

REDACTED

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA¹
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Karen Marie Trujillo
 Concurrence²: Nicole Lancaster

Project No: 15268508.20000
 Job ID.: 680-89791-3
 Associated Samples: Refer to **Attachment A** (Sample Summary)
 Samples Collected: 04/25/2013 & 04/26/2013
 Date: 05/20/2013
 Date: 05/22/2013

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 (≤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?	✓				
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?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of rinsate blank 042313-RB-Sieve (680-89695-35).	

¹ All analytical work subcontracted to TestAmerica of Tampa, FL

² Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
12. Are equipment/rinsate blanks associated with every sample? If no, note in DV report.	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. A rinsate blank, 042313-RB-Sieve (680-89695-35), was collected during the week of 4/22/13. The rinsate blank was analyzed for PAHs under Test America Job ID 680-89695-2.	
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 Job?	✓			CV1142A-CSD (680-89791-49) is a field duplicate of CV1142A-CS (680-89791-48).	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
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? <ul style="list-style-type: none"> 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. 	✓			<ul style="list-style-type: none"> Instrument ID: BSMD5973 Initial Calibration: 04/04/2013 ICV: 04/04/13 @ 16:27 CCV: 05/03/13 @ 10:32 	
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> 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 		✓		ICV of 04/04/13 @ 16:27, instrument BSMD5973: Benzo[a]pyrene @ -23.7 %D (Lab: ≤ 35.0 , Project: ≤ 20), 76.5%R. A negative bias is indicated by the ICV percent difference and the analyte was detected in all samples; therefore, J-flag sample results.	J

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> ○ If mean RRF <0.050 (<0.010 for poor performers), then J-flag positive results and R-flag non-detects • ICV and CCV (Criteria: $\leq 20\%D$ ($\leq 50\%$ for poor performers) and $RF \geq 0.050$ (≥ 0.010 for poor performers)): <ul style="list-style-type: none"> ○ If $\%D > 20$ ($> 50\%$ for poor performers), then J-flag positive results and UJ-flag non-detects ○ If $RF < 0.050$ (<0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds 					
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 $\%R > \text{Upper Control Limit (UCL)}$ and J/R-flag results when $\%R < \text{Lower Control Limit (LCL)}$.	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects.			✓	LCS Only	
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			Prep Batch 137037: 680-89791-41 (CV0282B-CS-SP), MS/MSD	
25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none"> • 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 $< \text{LCL}$: J-Flag positive and UJ-flag non-detect results • MS and MSD $R\% > \text{UCL}$ (or 140): J-Flag positive results 		✓		CV0282B-CS-SP (680-89791-41): <ul style="list-style-type: none"> • Benzo[a]pyrene @ 43 and 57 $\%R$ (49-130). Qualification of data not required³. • Pyrene @ 43 and 56 $\%R$ (44-130). Qualification of data not required³. 	
26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported</i>	✓				

³ The recovery of either the MS or MSD met control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p><i>under this Job ID are evaluated.</i></p> <ul style="list-style-type: none"> 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. 					
<p>27. Were surrogate recoveries within lab/project specifications?</p> <ul style="list-style-type: none"> 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 \geq10%, but <LCL, then J-flag positive results and UJ-flag non-detect results If 2 or more Acid or BN , with 1 %R >UCL and 1 %R \geq10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
<p>28. Were internal standard (IS) results within lab/project specifications?</p> <ul style="list-style-type: none"> 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 C (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<p>Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review</i> (EPA, October 1999) and <i>USEPA CLP NFG for Low Concentration Organic Methods Data Review</i> (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.</p>					

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

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89791-41	CV0282B-CS-SP	Solid	04/25/13 13:25	04/27/13 08:25
680-89791-44	FM0023C-CS-SP	Solid	04/25/13 14:28	04/27/13 08:25
680-89791-45	FM0245A-CS-SP	Solid	04/25/13 15:57	04/27/13 08:25
680-89791-46	FM0245B-CS-SP	Solid	04/25/13 16:05	04/27/13 08:25
680-89791-47	FM0245C-CS-SP	Solid	04/25/13 16:08	04/27/13 08:25
680-89791-48	CV1142A-CS	Solid	04/26/13 08:48	04/27/13 08:25
680-89791-49	CV1142A-CSD	Solid	04/26/13 08:48	04/27/13 08:25
680-89791-50	CV1142B-CS	Solid	04/26/13 08:51	04/27/13 08:25
680-89791-51	CV1143A-CS	Solid	04/26/13 08:55	04/27/13 08:25
680-89791-52	CV1143B-CS	Solid	04/26/13 09:05	04/27/13 08:25
680-89791-53	CV1145A-CS	Solid	04/26/13 09:10	04/27/13 08:25
680-89791-54	CV1145B-CS	Solid	04/26/13 09:10	04/27/13 08:25

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV1142A-CS 680-89791-48	RL	CV1142A-CSD 680-89791-49	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthene	130	120		130	µg/kg	625	NA	130	250	None, absolute difference ≤ 2x Avg RL
Acenaphthylene	31 J	49	13 J	50	µg/kg	247.5	NA	18	99	None, absolute difference ≤ 2x Avg RL
Anthracene	440	10	85	11	µg/kg	52.5	135	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)anthracene	1000	9.8	190	10	µg/kg	49.5	136	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)pyrene	910	13	180	13	µg/kg	65	134	NA	NA	J/UJ-flag, RPD > 50%
Benzo(b)fluoranthene	1300	15	270	15	µg/kg	75	131	NA	NA	J/UJ-flag, RPD > 50%
Benzo(g,h,i)perylene	560	25	110	25	µg/kg	125	NA	450	50	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(k)fluoranthene	690	9.8	120	10	µg/kg	49.5	141	NA	NA	J/UJ-flag, RPD > 50%
Chrysene	1100	11	240	11	µg/kg	55	128	NA	NA	J/UJ-flag, RPD > 50%
Dibenzo(a,h)anthracene	160	25	29 J	25	µg/kg	125	NA	131	50	J/UJ-flag, absolute difference > 2x Avg RL
Fluoranthene	3200	25	460	25	µg/kg	125	150	NA	NA	J/UJ-flag, RPD > 50%
Fluorene	140	25	19 J	25	µg/kg	125	NA	121	50	J/UJ-flag, absolute difference > 2x Avg RL
Indeno(1,2,3-cd)pyrene	380	25	63	25	µg/kg	125	NA	317	50	J/UJ-flag, absolute difference > 2x Avg RL
1-Methylnaphthalene	72	49	26 J	50	µg/kg	247.5	NA	46	99	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	70	49	27 J	50	µg/kg	247.5	NA	43	99	None, absolute difference ≤ 2x Avg RL
Naphthalene	81	49	25 J	50	µg/kg	247.5	NA	56	99	None, absolute difference ≤ 2x Avg RL
Phenanthrene	2600	9.8	300	10	µg/kg	49.5	159	NA	NA	J/UJ-flag, RPD > 50%
Pyrene	2300	25	330	25	µg/kg	125	150	NA	NA	J/UJ-flag, RPD > 50%

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

µg/kg - micrograms per kilogram

J - Estimated value

UJ - Not detected and the limit is estimated

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
CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Job ID: 680-89791-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89791-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 2.8° C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0282B-CS-SP (680-89791-41), FM0023C-CS-SP (680-89791-44), FM0245A-CS-SP (680-89791-45), FM0245B-CS-SP (680-89791-46), FM0245C-CS-SP (680-89791-47), CV1142A-CS (680-89791-48), CV1142A-CSD (680-89791-49), CV1142B-CS (680-89791-50), CV1143A-CS (680-89791-51), CV1143B-CS (680-89791-52), CV1145A-CS (680-89791-53) and CV1145B-CS (680-89791-54) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/02/2013 and analyzed on 05/03/2013.

Benzo[a]pyrene and Pyrene failed the recovery criteria low for the MS of sample CV0282B-CS-SPMS (680-89791-41) in batch 660-137126.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV0282B-CS-SP

Lab Sample ID: 680-89791-41

Date Collected: 04/25/13 13:25

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Acenaphthylene	53	U	53	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Anthracene	16		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[a]anthracene	82		11	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[a]pyrene	76	FJ	14	7.0	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[b]fluoranthene	120		16	8.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[g,h,i]perylene	58		27	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[k]fluoranthene	47		11	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Chrysene	110		12	6.0	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Dibenz(a,h)anthracene	19	J	27	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Fluoranthene	140		27	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Fluorene	27	U	27	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Indeno[1,2,3-cd]pyrene	34		27	9.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
1-Methylnaphthalene	23	J	53	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
2-Methylnaphthalene	28	J	53	9.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Naphthalene	40	J	53	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Phenanthrene	63		11	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Pyrene	97	F	27	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	48		30 - 130	05/02/13 08:14	05/03/13 14:06	1

Client Sample ID: FM0023C-CS-SP

Lab Sample ID: 680-89791-44

Date Collected: 04/25/13 14:28

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Acenaphthylene	49	U	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Anthracene	5.8	J	10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[a]anthracene	20		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[a]pyrene	18	J	13	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[b]fluoranthene	29		15	7.4	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[g,h,i]perylene	15	J	24	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[k]fluoranthene	14		9.7	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Chrysene	35		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Dibenz(a,h)anthracene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Fluoranthene	33		24	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Fluorene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Indeno[1,2,3-cd]pyrene	12	J	24	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
1-Methylnaphthalene	19	J	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
2-Methylnaphthalene	20	J	49	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Naphthalene	29	J	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Phenanthrene	28		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Pyrene	25		24	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	41		30 - 130	05/02/13 08:14	05/03/13 15:59	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: FM0245A-CS-SP

Lab Sample ID: 680-89791-45

Date Collected: 04/25/13 15:57

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Acenaphthylene	13	J	53	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Anthracene	23		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[a]anthracene	55		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[a]pyrene	56	J	14	6.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[b]fluoranthene	90		16	8.0	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[g,h,i]perylene	41		26	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[k]fluoranthene	51		11	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Chrysene	99		12	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Dibenz(a,h)anthracene	12	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Fluoranthene	90		26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Fluorene	6.3	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Indeno[1,2,3-cd]pyrene	15	J	26	9.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
1-Methylnaphthalene	18	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
2-Methylnaphthalene	25	J	53	9.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Naphthalene	32	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Phenanthrene	46		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Pyrene	74		26	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	40		30 - 130				05/02/13 08:14	05/03/13 16:22	1

Client Sample ID: FM0245B-CS-SP

Lab Sample ID: 680-89791-46

Date Collected: 04/25/13 16:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	25	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Acenaphthylene	37	J	50	6.2	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Anthracene	60		10	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[a]anthracene	220		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[a]pyrene	240	J	13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[b]fluoranthene	340		15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[g,h,i]perylene	150		25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[k]fluoranthene	200		10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Chrysene	310		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Dibenz(a,h)anthracene	48		25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Fluoranthene	450		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Fluorene	12	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Indeno[1,2,3-cd]pyrene	100		25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
1-Methylnaphthalene	54		50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
2-Methylnaphthalene	64		50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Naphthalene	160		50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Phenanthrene	190		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Pyrene	310		25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	55		30 - 130				05/02/13 08:14	05/03/13 16:45	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: FM0245C-CS-SP

Lab Sample ID: 680-89791-47

Date Collected: 04/25/13 16:08

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Acenaphthylene	9.2	J	50	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Anthracene	35		11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[a]anthracene	81		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[a]pyrene	73	J	13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[b]fluoranthene	100		15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[g,h,i]perylene	53		25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[k]fluoranthene	57		10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Chrysene	98		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Dibenz(a,h)anthracene	14	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Fluoranthene	180		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Fluorene	8.4	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Indeno[1,2,3-cd]pyrene	44		25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
1-Methylnaphthalene	12	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
2-Methylnaphthalene	13	J	50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Naphthalene	18	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Phenanthrene	120		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Pyrene	130		25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	52		30 - 130				05/02/13 08:14	05/03/13 17:07	1

Client Sample ID: CV1142A-CS

Lab Sample ID: 680-89791-48

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 81.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130		120	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Acenaphthylene	31	J	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Anthracene	440	J	10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[a]anthracene	1000	J	9.8	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[a]pyrene	910	J	13	6.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[b]fluoranthene	1300	J	15	7.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[g,h,i]perylene	560	J	25	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[k]fluoranthene	690	J	9.8	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Chrysene	1100	J	11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Dibenz(a,h)anthracene	160	J	25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Fluoranthene	3200	J	25	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Fluorene	140	J	25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Indeno[1,2,3-cd]pyrene	380	J	25	8.7	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
1-Methylnaphthalene	72		49	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
2-Methylnaphthalene	70		49	8.7	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Naphthalene	81		49	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Phenanthrene	2600	J	9.8	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Pyrene	2300	J	25	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	43		30 - 130				05/02/13 08:14	05/03/13 17:30	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1142A-CSD

Lab Sample ID: 680-89791-49

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Acenaphthylene	13	J	50	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Anthracene	85	J	11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[a]anthracene	190	J	10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[a]pyrene	180	J	13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[b]fluoranthene	270	J	15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[g,h,i]perylene	110	J	25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[k]fluoranthene	120	J	10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Chrysene	240	J	11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Dibenz(a,h)anthracene	29	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Fluoranthene	460	J	25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Fluorene	19	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Indeno[1,2,3-cd]pyrene	63	J	25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
1-Methylnaphthalene	26	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
2-Methylnaphthalene	27	J	50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Naphthalene	25	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Phenanthrene	300	J	10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Pyrene	330	J	25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	38		30 - 130				05/02/13 08:14	05/03/13 17:52	1

Client Sample ID: CV1142B-CS

Lab Sample ID: 680-89791-50

Date Collected: 04/26/13 08:51

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 79.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Acenaphthylene	23	J	51	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Anthracene	43		11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[a]anthracene	130		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[a]pyrene	130	J	13	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[b]fluoranthene	220		15	7.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[g,h,i]perylene	79		25	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[k]fluoranthene	91		10	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Chrysene	190		11	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Dibenz(a,h)anthracene	20	J	25	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Fluoranthene	260		25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Fluorene	11	J	25	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Indeno[1,2,3-cd]pyrene	51		25	9.0	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
1-Methylnaphthalene	88		51	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
2-Methylnaphthalene	89		51	9.0	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Naphthalene	83		51	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Phenanthrene	170		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Pyrene	190		25	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	37		30 - 130				05/02/13 08:14	05/03/13 18:15	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1143A-CS

Lab Sample ID: 680-89791-51

Date Collected: 04/26/13 08:55

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 76.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Acenaphthylene	52	U	52	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Anthracene	7.7	J	11	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[a]anthracene	31		10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[a]pyrene	29	J	13	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[b]fluoranthene	54		16	7.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[g,h,i]perylene	17	J	26	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[k]fluoranthene	24		10	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Chrysene	97		12	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Dibenz(a,h)anthracene	7.0	J	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Fluoranthene	70		26	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Fluorene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Indeno[1,2,3-cd]pyrene	26	U	26	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
1-Methylnaphthalene	25	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
2-Methylnaphthalene	30	J	52	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Naphthalene	27	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Phenanthrene	44		10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Pyrene	48		26	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	39		30 - 130				05/02/13 08:14	05/03/13 18:37	1

Client Sample ID: CV1143B-CS

Lab Sample ID: 680-89791-52

Date Collected: 04/26/13 09:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Acenaphthylene	7.3	J	53	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Anthracene	30		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[a]anthracene	95		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[a]pyrene	66	J	14	6.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[b]fluoranthene	110		16	8.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[g,h,i]perylene	34		26	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[k]fluoranthene	42		11	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Chrysene	130		12	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Dibenz(a,h)anthracene	14	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Fluoranthene	130		26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Fluorene	26	U	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Indeno[1,2,3-cd]pyrene	24	J	26	9.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
1-Methylnaphthalene	48	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
2-Methylnaphthalene	59		53	9.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Naphthalene	54		53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Phenanthrene	83		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Pyrene	100		26	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	41		30 - 130				05/02/13 08:14	05/03/13 19:00	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1145A-CS

Lab Sample ID: 680-89791-53

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Acenaphthylene	49	U	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Anthracene	10	U	10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[a]anthracene	17		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[a]pyrene	7.3	J	13	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[b]fluoranthene	13	J	15	7.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[g,h,i]perylene	10	J	24	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[k]fluoranthene	8.4	J	9.7	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Chrysene	13		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Dibenz(a,h)anthracene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Fluoranthene	21	J	24	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Fluorene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Indeno[1,2,3-cd]pyrene	24	U	24	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
1-Methylnaphthalene	49	U	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
2-Methylnaphthalene	49	U	49	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Naphthalene	6.3	J	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Phenanthrene	16		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Pyrene	14	J	24	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	56		30 - 130				05/02/13 08:14	05/03/13 19:22	1

Client Sample ID: CV1145B-CS

Lab Sample ID: 680-89791-54

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Acenaphthylene	52	U	52	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Anthracene	11		11	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[a]anthracene	10	U	10	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[a]pyrene	24	J	13	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[b]fluoranthene	44		16	7.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[g,h,i]perylene	20	J	26	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[k]fluoranthene	32		10	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Chrysene	41		12	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Dibenz(a,h)anthracene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Fluoranthene	58		26	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Fluorene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Indeno[1,2,3-cd]pyrene	10	J	26	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
1-Methylnaphthalene	25	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
2-Methylnaphthalene	30	J	52	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Naphthalene	35	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Phenanthrene	40		10	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Pyrene	36		26	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	42		30 - 130				05/02/13 08:14	05/03/13 19:45	1

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTTE, October 2012)

ANALYTICAL REPORT

Job Number: 680-89791-3

SDG Number: 68089791-3

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
5/8/2013 4:31 PM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
05/08/2013

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89791-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 2.8° C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0282B-CS-SP (680-89791-41), FM0023C-CS-SP (680-89791-44), FM0245A-CS-SP (680-89791-45), FM0245B-CS-SP (680-89791-46), FM0245C-CS-SP (680-89791-47), CV1142A-CS (680-89791-48), CV1142A-CSD (680-89791-49), CV1142B-CS (680-89791-50), CV1143A-CS (680-89791-51), CV1143B-CS (680-89791-52), CV1145A-CS (680-89791-53) and CV1145B-CS (680-89791-54) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/02/2013 and analyzed on 05/03/2013.

Benzo[a]pyrene and Pyrene failed the recovery criteria low for the MS of sample CV0282B-CS-SPMS (680-89791-41) in batch 660-137126.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89791-41	CV0282B-CS-SP	Solid	04/25/2013 1325	04/27/2013 0825
680-89791-41MS	CV0282B-CS-SP	Solid	04/25/2013 1325	04/27/2013 0825
680-89791-41MSD	CV0282B-CS-SP	Solid	04/25/2013 1325	04/27/2013 0825
680-89791-44	FM0023C-CS-SP	Solid	04/25/2013 1428	04/27/2013 0825
680-89791-45	FM0245A-CS-SP	Solid	04/25/2013 1557	04/27/2013 0825
680-89791-46	FM0245B-CS-SP	Solid	04/25/2013 1605	04/27/2013 0825
680-89791-47	FM0245C-CS-SP	Solid	04/25/2013 1608	04/27/2013 0825
680-89791-48	CV1142A-CS	Solid	04/26/2013 0848	04/27/2013 0825
680-89791-49	CV1142A-CSD	Solid	04/26/2013 0848	04/27/2013 0825
680-89791-50	CV1142B-CS	Solid	04/26/2013 0851	04/27/2013 0825
680-89791-51	CV1143A-CS	Solid	04/26/2013 0855	04/27/2013 0825
680-89791-52	CV1143B-CS	Solid	04/26/2013 0905	04/27/2013 0825
680-89791-53	CV1145A-CS	Solid	04/26/2013 0910	04/27/2013 0825
680-89791-54	CV1145B-CS	Solid	04/26/2013 0910	04/27/2013 0825

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds by GCMS - Low Levels	TAL TAM	SW846 8270C LL	
Microwave Extraction	TAL TAM		SW846 3546
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

Method	Analyst	Analyst ID
SW846 8270C LL	Cantin, Stephen C	SCC
EPA Moisture	Galio, Andrew	AG

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS Semi VOA					
Prep Batch: 660-137037					
LCS 660-137037/2-A	Lab Control Sample	T	Solid	3546	
MB 660-137037/1-A	Method Blank	T	Solid	3546	
680-89791-41	CV0282B-CS-SP	T	Solid	3546	
680-89791-41MS	Matrix Spike	T	Solid	3546	
680-89791-41MSD	Matrix Spike Duplicate	T	Solid	3546	
680-89791-44	FM0023C-CS-SP	T	Solid	3546	
680-89791-45	FM0245A-CS-SP	T	Solid	3546	
680-89791-46	FM0245B-CS-SP	T	Solid	3546	
680-89791-47	FM0245C-CS-SP	T	Solid	3546	
680-89791-48	CV1142A-CS	T	Solid	3546	
680-89791-49	CV1142A-CSD	T	Solid	3546	
680-89791-50	CV1142B-CS	T	Solid	3546	
680-89791-51	CV1143A-CS	T	Solid	3546	
680-89791-52	CV1143B-CS	T	Solid	3546	
680-89791-53	CV1145A-CS	T	Solid	3546	
680-89791-54	CV1145B-CS	T	Solid	3546	
Analysis Batch:660-137126					
MB 660-137037/1-A	Method Blank	T	Solid	8270C LL	660-137037
680-89791-41	CV0282B-CS-SP	T	Solid	8270C LL	660-137037
680-89791-41MS	Matrix Spike	T	Solid	8270C LL	660-137037
680-89791-41MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-137037
680-89791-44	FM0023C-CS-SP	T	Solid	8270C LL	660-137037
680-89791-45	FM0245A-CS-SP	T	Solid	8270C LL	660-137037
680-89791-46	FM0245B-CS-SP	T	Solid	8270C LL	660-137037
680-89791-47	FM0245C-CS-SP	T	Solid	8270C LL	660-137037
680-89791-48	CV1142A-CS	T	Solid	8270C LL	660-137037
680-89791-49	CV1142A-CSD	T	Solid	8270C LL	660-137037
680-89791-50	CV1142B-CS	T	Solid	8270C LL	660-137037
680-89791-51	CV1143A-CS	T	Solid	8270C LL	660-137037
680-89791-52	CV1143B-CS	T	Solid	8270C LL	660-137037
680-89791-53	CV1145A-CS	T	Solid	8270C LL	660-137037
680-89791-54	CV1145B-CS	T	Solid	8270C LL	660-137037
Analysis Batch:660-137156					
LCS 660-137037/2-A	Lab Control Sample	T	Solid	8270C LL	660-137037

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

Sdg Number: 68089791-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-136953					
680-89791-41	CV0282B-CS-SP	T	Solid	Moisture	
680-89791-41MS	Matrix Spike	T	Solid	Moisture	
680-89791-41MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89791-44	FM0023C-CS-SP	T	Solid	Moisture	
680-89791-45	FM0245A-CS-SP	T	Solid	Moisture	
680-89791-46	FM0245B-CS-SP	T	Solid	Moisture	
680-89791-47	FM0245C-CS-SP	T	Solid	Moisture	
680-89791-48	CV1142A-CS	T	Solid	Moisture	
680-89791-49	CV1142A-CSD	T	Solid	Moisture	
680-89791-50	CV1142B-CS	T	Solid	Moisture	
680-89791-51	CV1143A-CS	T	Solid	Moisture	
680-89791-52	CV1143B-CS	T	Solid	Moisture	
680-89791-53	CV1145A-CS	T	Solid	Moisture	
680-89791-54	CV1145B-CS	T	Solid	Moisture	

Report Basis

T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMA5973 Analysis Batch Number: 136892Lab Sample ID: IC 660-136892/3 Client Sample ID: _____Date Analyzed: 04/26/13 10:03 Lab File ID: 1AD26003.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	7.40	Baseline Event	cantins	04/26/13 12:57
Indeno[1,2,3-cd]pyrene	8.42	Split Peak	cantins	04/26/13 12:51
Benzo[g,h,i]perylene	8.63	Baseline Event	cantins	04/26/13 12:51

Lab Sample ID: IC 660-136892/4 Client Sample ID: _____Date Analyzed: 04/26/13 10:18 Lab File ID: 1AD26004.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	7.40	Baseline Event	cantins	04/26/13 12:51
Indeno[1,2,3-cd]pyrene	8.41	Split Peak	cantins	04/26/13 12:52
Dibenz(a,h)anthracene	8.44	Baseline Event	cantins	04/26/13 12:52
Benzo[g,h,i]perylene	8.62	Baseline Event	cantins	04/26/13 12:52

Lab Sample ID: IC 660-136892/5 Client Sample ID: _____Date Analyzed: 04/26/13 10:33 Lab File ID: 1AD26005.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	8.45	Baseline Event	cantins	04/26/13 12:53
Benzo[g,h,i]perylene	8.63	Baseline Event	cantins	04/26/13 12:53

Lab Sample ID: IC 660-136892/6 Client Sample ID: _____Date Analyzed: 04/26/13 10:48 Lab File ID: 1AD26006.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dibenz(a,h)anthracene	8.45	Baseline Event	cantins	04/26/13 12:54
Benzo[g,h,i]perylene	8.64	Baseline Event	cantins	04/26/13 12:54

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Instrument ID: BSMA5973 Analysis Batch Number: 136892

Lab Sample ID: ICIS 660-136892/7 Client Sample ID: _____

Date Analyzed: 04/26/13 11:03 Lab File ID: 1AD26007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	6.60	Baseline Event	cantins	04/26/13 12:58

Lab Sample ID: IC 660-136892/8 Client Sample ID: _____

Date Analyzed: 04/26/13 11:19 Lab File ID: 1AD26008.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	6.60	Baseline Event	cantins	04/26/13 12:56

Lab Sample ID: IC 660-136892/9 Client Sample ID: _____

Date Analyzed: 04/26/13 11:34 Lab File ID: 1AD26009.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	6.61	Baseline Event	cantins	04/26/13 12:55
Benzo[k]fluoranthene	7.42	Baseline Event	cantins	04/26/13 12:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMA5973 Analysis Batch Number: 137156Lab Sample ID: IC 660-137156/4 Client Sample ID: _____Date Analyzed: 05/06/13 10:40 Lab File ID: 1AE06004.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	4.53	Baseline Event	cantins	05/06/13 12:53
Fluoranthene	5.39	Baseline Event	cantins	05/06/13 12:53
Benzo[k]fluoranthene	7.35	Baseline Event	cantins	05/06/13 12:54
Benzo[g,h,i]perylene	8.58	Baseline Event	cantins	05/06/13 12:54

Lab Sample ID: IC 660-137156/5 Client Sample ID: _____Date Analyzed: 05/06/13 10:56 Lab File ID: 1AE06005.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbazole	4.70	Baseline Event	cantins	05/06/13 12:55
Chrysene	6.54	Baseline Event	cantins	05/06/13 12:55
Benzo[k]fluoranthene	7.36	Baseline Event	cantins	05/06/13 12:55
Indeno[1,2,3-cd]pyrene	8.36	Split Peak	cantins	05/06/13 12:56
Dibenz(a,h)anthracene	8.38	Baseline Event	cantins	05/06/13 12:55
Benzo[g,h,i]perylene	8.56	Baseline Event	cantins	05/06/13 12:55

Lab Sample ID: IC 660-137156/6 Client Sample ID: _____Date Analyzed: 05/06/13 11:11 Lab File ID: 1AE06006.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbazole	4.70	Baseline Event	cantins	05/06/13 12:56
Indeno[1,2,3-cd]pyrene	8.36	Split Peak	cantins	05/06/13 12:57
Dibenz(a,h)anthracene	8.39	Baseline Event	cantins	05/06/13 12:57
Benzo[g,h,i]perylene	8.57	Baseline Event	cantins	05/06/13 12:57

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Instrument ID: BSMA5973 Analysis Batch Number: 137156

Lab Sample ID: IC 660-137156/7 Client Sample ID: _____

Date Analyzed: 05/06/13 11:26 Lab File ID: 1AE06007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.36	Split Peak	cantins	05/06/13 12:58
Benzo[g,h,i]perylene	8.58	Baseline Event	cantins	05/06/13 12:58

Lab Sample ID: IC 660-137156/9 Client Sample ID: _____

Date Analyzed: 05/06/13 11:56 Lab File ID: 1AE06009.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Anthracene	4.57	Baseline Event	cantins	05/06/13 12:59

Lab Sample ID: LCS 660-137037/2-A Client Sample ID: _____

Date Analyzed: 05/06/13 14:52 Lab File ID: 1AE06017.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.38	Split Peak	cantins	05/06/13 15:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 136164Lab Sample ID: IC 660-136164/15 Client Sample ID: _____Date Analyzed: 04/04/13 13:49 Lab File ID: 1DD04007.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/05/13 12:28
Dibenz(a,h)anthracene	14.76	Baseline Event	cantins	04/05/13 12:28

Lab Sample ID: IC 660-136164/16 Client Sample ID: _____Date Analyzed: 04/04/13 14:11 Lab File ID: 1DD04008.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.73	Split Peak	cantins	04/05/13 12:29
Dibenz(a,h)anthracene	14.76	Baseline Event	cantins	04/05/13 12:28

Lab Sample ID: IC 660-136164/17 Client Sample ID: _____Date Analyzed: 04/04/13 14:34 Lab File ID: 1DD04009.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.74	Split Peak	cantins	04/05/13 12:29

Lab Sample ID: IC 660-136164/18 Client Sample ID: _____Date Analyzed: 04/04/13 14:57 Lab File ID: 1DD04010.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.75	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: ICIS 660-136164/19 Client Sample ID: _____Date Analyzed: 04/04/13 15:19 Lab File ID: 1DD04011.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.76	Split Peak	cantins	04/05/13 12:26

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Instrument ID: BSMD5973 Analysis Batch Number: 136164

Lab Sample ID: IC 660-136164/20 Client Sample ID: _____

Date Analyzed: 04/04/13 15:42 Lab File ID: 1DD04012.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.77	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: IC 660-136164/21 Client Sample ID: _____

Date Analyzed: 04/04/13 16:04 Lab File ID: 1DD04013.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.79	Split Peak	cantins	04/05/13 12:30

Lab Sample ID: ICV 660-136164/22 Client Sample ID: _____

Date Analyzed: 04/04/13 16:27 Lab File ID: 1DD04014.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbazole	9.23	Baseline Event	cantins	04/05/13 13:08
Indeno[1,2,3-cd]pyrene	14.76	Split Peak	cantins	04/05/13 13:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: CCVIS 660-137126/3 Client Sample ID: _____Date Analyzed: 05/03/13 10:32 Lab File ID: 1DE03003.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/03/13 10:57
Indeno[1,2,3-cd]pyrene	14.65	Baseline Event	cantins	05/03/13 10:58
Dibenz(a,h)anthracene	14.67	Baseline Event	cantins	05/03/13 10:57
Benzo[g,h,i]perylene	15.08	Baseline Event	cantins	05/03/13 10:57

Lab Sample ID: 680-89791-41 Client Sample ID: CV0282B-CS-SPDate Analyzed: 05/03/13 14:06 Lab File ID: 1DE03012.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 14:19
1-Methylnaphthalene	6.82	Baseline Event	cantins	05/06/13 14:19
Fluoranthene	9.96	Baseline Event	cantins	05/06/13 14:20
Benzo[b]fluoranthene	12.52	Split Peak	cantins	05/06/13 14:20
Benzo[k]fluoranthene	12.55	Baseline Event	cantins	05/06/13 14:20
Indeno[1,2,3-cd]pyrene	14.64	Split Peak	cantins	05/06/13 14:21
Benzo[g,h,i]perylene	15.08	Baseline Event	cantins	05/06/13 14:21

Lab Sample ID: 680-89791-41 MS Client Sample ID: CV0282B-CS-SP MSDate Analyzed: 05/03/13 14:29 Lab File ID: 1DE03013.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 14:21
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 14:22
Benzo[k]fluoranthene	12.57	Baseline Event	cantins	05/06/13 14:22
Indeno[1,2,3-cd]pyrene	14.66	Split Peak	cantins	05/06/13 14:23
Dibenz(a,h)anthracene	14.67	Baseline Event	cantins	05/06/13 14:23
Benzo[g,h,i]perylene	15.09	Baseline Event	cantins	05/06/13 14:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: 680-89791-41 MSD Client Sample ID: CV0282B-CS-SP MSDDate Analyzed: 05/03/13 14:52 Lab File ID: 1DE03014.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 14:24
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 15:44
Benzo[k]fluoranthene	12.57	Baseline Event	cantins	05/06/13 15:45
Indeno[1,2,3-cd]pyrene	14.66	Split Peak	cantins	05/06/13 15:45
Dibenz(a,h)anthracene	14.67	Baseline Event	cantins	05/06/13 15:45
Benzo[g,h,i]perylene	15.09	Baseline Event	cantins	05/06/13 15:45

Lab Sample ID: 680-89791-44 Client Sample ID: FM0023C-CS-SPDate Analyzed: 05/03/13 15:59 Lab File ID: 1DE03017.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:01
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:01
1-Methylnaphthalene	6.82	Baseline Event	cantins	05/06/13 16:01
Indeno[1,2,3-cd]pyrene	14.66	Split Peak	cantins	05/06/13 16:03
Benzo[g,h,i]perylene	15.08	Baseline Event	cantins	05/06/13 16:02

Lab Sample ID: 680-89791-45 Client Sample ID: FM0245A-CS-SPDate Analyzed: 05/03/13 16:22 Lab File ID: 1DE03018.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:03
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:03
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:03
Acenaphthylene	7.56	Baseline Event	cantins	05/06/13 16:04
Indeno[1,2,3-cd]pyrene	14.65	Split Peak	cantins	05/06/13 16:13
Dibenz(a,h)anthracene	14.66	Baseline Event	cantins	05/06/13 16:12
Benzo[g,h,i]perylene	15.09	Baseline Event	cantins	05/06/13 16:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: 680-89791-46 Client Sample ID: FM0245B-CS-SPDate Analyzed: 05/03/13 16:45 Lab File ID: 1DE03019.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:13
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:13
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:14
Benzo[b]fluoranthene	12.54	Split Peak	cantins	05/06/13 16:14
Benzo[k]fluoranthene	12.55	Baseline Event	cantins	05/06/13 16:14
Indeno[1,2,3-cd]pyrene	14.66	Split Peak	cantins	05/06/13 16:15
Benzo[g,h,i]perylene	15.09	Baseline Event	cantins	05/06/13 16:14

Lab Sample ID: 680-89791-47 Client Sample ID: FM0245C-CS-SPDate Analyzed: 05/03/13 17:07 Lab File ID: 1DE03020.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:15
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:15
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:16
Acenaphthylene	7.56	Baseline Event	cantins	05/06/13 16:16
Anthracene	9.01	Baseline Event	cantins	05/06/13 16:16
Benzo[k]fluoranthene	12.56	Baseline Event	cantins	05/06/13 16:17
Indeno[1,2,3-cd]pyrene	14.65	Split Peak	cantins	05/06/13 16:17
Dibenz(a,h)anthracene	14.67	Baseline Event	cantins	05/06/13 16:17
Benzo[g,h,i]perylene	15.08	Baseline Event	cantins	05/06/13 16:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: 680-89791-48 Client Sample ID: CV1142A-CSDate Analyzed: 05/03/13 17:30 Lab File ID: 1DE03021.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:18
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:18
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:18
Acenaphthylene	7.57	Baseline Event	cantins	05/06/13 16:18
Benzo[b]fluoranthene	12.55	Split Peak	cantins	05/06/13 16:19
Benzo[k]fluoranthene	12.57	Baseline Event	cantins	05/06/13 16:19
Indeno[1,2,3-cd]pyrene	14.67	Split Peak	cantins	05/06/13 16:19
Benzo[g,h,i]perylene	15.10	Baseline Event	cantins	05/06/13 16:19

Lab Sample ID: 680-89791-49 Client Sample ID: CV1142A-CSDDate Analyzed: 05/03/13 17:52 Lab File ID: 1DE03022.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:44
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:44
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:44
Acenaphthylene	7.56	Baseline Event	cantins	05/06/13 16:44
Acenaphthene	7.71	Baseline Event	cantins	05/06/13 16:44
Anthracene	9.01	Baseline Event	cantins	05/06/13 16:45
Benzo[b]fluoranthene	12.54	Split Peak	cantins	05/06/13 16:45
Benzo[k]fluoranthene	12.57	Baseline Event	cantins	05/06/13 16:45
Indeno[1,2,3-cd]pyrene	14.67	Split Peak	cantins	05/06/13 16:46
Benzo[g,h,i]perylene	15.10	Baseline Event	cantins	05/06/13 16:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: 680-89791-50 Client Sample ID: CV1142B-CSDate Analyzed: 05/03/13 18:15 Lab File ID: 1DE03023.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:49
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:49
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:49
Acenaphthylene	7.57	Baseline Event	cantins	05/06/13 16:49
Benzo[b]fluoranthene	12.54	Split Peak	cantins	05/06/13 16:49
Benzo[k]fluoranthene	12.57	Baseline Event	cantins	05/06/13 16:50
Indeno[1,2,3-cd]pyrene	14.67	Split Peak	cantins	05/06/13 16:51
Benzo[g,h,i]perylene	15.10	Baseline Event	cantins	05/06/13 16:50

Lab Sample ID: 680-89791-51 Client Sample ID: CV1143A-CSDate Analyzed: 05/03/13 18:37 Lab File ID: 1DE03024.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 16:53
Fluoranthene	9.96	Baseline Event	cantins	05/06/13 16:55
Indeno[1,2,3-cd]pyrene	14.66	Baseline Event	cantins	05/06/13 16:56
Dibenz(a,h)anthracene	14.69	Baseline Event	cantins	05/06/13 16:55
Benzo[g,h,i]perylene	15.10	Baseline Event	cantins	05/06/13 16:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Analysis Batch Number: 137126Lab Sample ID: 680-89791-52 Client Sample ID: CV1143B-CSDate Analyzed: 05/03/13 19:00 Lab File ID: 1DE03025.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methylnaphthalene	6.74	Baseline Event	cantins	05/06/13 16:57
1-Methylnaphthalene	6.83	Baseline Event	cantins	05/06/13 16:57
Anthracene	9.02	Baseline Event	cantins	05/06/13 16:58
Indeno[1,2,3-cd]pyrene	14.67	Split Peak	cantins	05/06/13 16:59
Dibenz(a,h)anthracene	14.69	Baseline Event	cantins	05/06/13 16:58
Benzo[g,h,i]perylene	15.10	Baseline Event	cantins	05/06/13 16:59

Lab Sample ID: 680-89791-53 Client Sample ID: CV1145A-CSDate Analyzed: 05/03/13 19:22 Lab File ID: 1DE03026.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 17:00
Pyrene	10.15	Baseline Event	cantins	05/06/13 17:00
Benzo[g,h,i]perylene	15.11	Baseline Event	cantins	05/06/13 17:01

Lab Sample ID: 680-89791-54 Client Sample ID: CV1145B-CSDate Analyzed: 05/03/13 19:45 Lab File ID: 1DE03027.D GC Column: DB-5MS ID: 250 (um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	6.03	Baseline Event	cantins	05/06/13 17:02
Fluoranthene	9.96	Baseline Event	cantins	05/06/13 17:03
Benzo[b]fluoranthene	12.54	Split Peak	cantins	05/06/13 17:04
Benzo[k]fluoranthene	12.56	Baseline Event	cantins	05/06/13 17:04
Dibenz(a,h)anthracene	14.68	Baseline Event	cantins	05/06/13 17:04
Indeno[1,2,3-cd]pyrene	14.68	Split Peak	cantins	05/06/13 17:05
Benzo[g,h,i]perylene	15.11	Baseline Event	cantins	05/06/13 17:04

Method 8270C Low Level

Semivolatile Organic Compounds
(GC/MS) Low Level by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Tampa

Job No.: 680-89791-3

SDG No.: 68089791-3

Matrix: Solid

Level: Low

GC Column (1): DB-5MS ID: 250 (um)

Client Sample ID	Lab Sample ID	OTPH #
CV0282B-CS-SP	680-89791-41	48
FM0023C-CS-SP	680-89791-44	41
FM0245A-CS-SP	680-89791-45	40
FM0245B-CS-SP	680-89791-46	55
FM0245C-CS-SP	680-89791-47	52
CV1142A-CS	680-89791-48	43
CV1142A-CSD	680-89791-49	38
CV1142B-CS	680-89791-50	37
CV1143A-CS	680-89791-51	39
CV1143B-CS	680-89791-52	41
CV1145A-CS	680-89791-53	56
CV1145B-CS	680-89791-54	42
	MB 660-137037/1-A	70
	LCS 660-137037/2-A	70
CV0282B-CS-SP MS	680-89791-41 MS	51
CV0282B-CS-SP MSD	680-89791-41 MSD	66

OTPH = o-Terphenyl

QC LIMITS
30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Matrix: Solid Level: Low Lab File ID: 1AE06017.D
 Lab ID: LCS 660-137037/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	665	411	62	39-130	
Acenaphthylene	665	463	70	38-130	
Anthracene	665	452	68	37-130	
Benzo[a]anthracene	665	465	70	40-130	
Benzo[a]pyrene	665	384	58	49-130	
Benzo[b]fluoranthene	665	375	56	37-130	
Benzo[g,h,i]perylene	665	545	82	32-130	
Benzo[k]fluoranthene	665	405	61	32-130	
Chrysene	665	416	62	41-130	
Dibenz(a,h)anthracene	665	537	81	27-130	
Fluoranthene	665	427	64	40-130	
Fluorene	665	467	70	40-130	
Indeno[1,2,3-cd]pyrene	665	522	78	30-130	
1-Methylnaphthalene	665	469	71	31-130	
2-Methylnaphthalene	665	475	71	33-130	
Naphthalene	665	425	64	36-130	
Phenanthrene	665	451	68	42-130	
Pyrene	665	557	84	44-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Matrix: Solid Level: Low Lab File ID: 1DE03013.D
 Lab ID: 680-89791-41 MS Client ID: CV0282B-CS-SP MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	888	130 U	413	46	39-130	
Acenaphthylene	888	53 U	435	49	38-130	
Anthracene	888	16	482	52	37-130	
Benzo[a]anthracene	888	82	512	48	40-130	
Benzo[a]pyrene	888	76	454	43	49-130	F
Benzo[b]fluoranthene	888	120	492	42	37-130	
Benzo[g,h,i]perylene	888	58	522	52	32-130	
Benzo[k]fluoranthene	888	47	587	61	32-130	
Chrysene	888	110	540	48	41-130	
Dibenz(a,h)anthracene	888	19 J	535	58	27-130	
Fluoranthene	888	140	506	42	40-130	
Fluorene	888	27 U	449	51	40-130	
Indeno[1,2,3-cd]pyrene	888	34	402	41	30-130	
1-Methylnaphthalene	888	23 J	561	61	31-130	
2-Methylnaphthalene	888	28 J	481	51	33-130	
Naphthalene	888	40 J	480	50	36-130	
Phenanthrene	888	63	457	44	42-130	
Pyrene	888	97	479	43	44-130	F

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Matrix: Solid Level: Low Lab File ID: 1DE03014.D
 Lab ID: 680-89791-41 MSD Client ID: CV0282B-CS-SP MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	889	522	59	23	40	39-130	
Acenaphthylene	889	539	61	21	40	38-130	
Anthracene	889	590	65	20	40	37-130	
Benzo[a]anthracene	889	651	64	24	40	40-130	
Benzo[a]pyrene	889	579	57	24	40	49-130	
Benzo[b]fluoranthene	889	612	56	22	40	37-130	
Benzo[g,h,i]perylene	889	636	65	20	40	32-130	
Benzo[k]fluoranthene	889	767	81	27	40	32-130	
Chrysene	889	678	64	23	40	41-130	
Dibenz(a,h)anthracene	889	683	75	24	40	27-130	
Fluoranthene	889	673	60	28	40	40-130	
Fluorene	889	588	66	27	40	40-130	
Indeno[1,2,3-cd]pyrene	889	483	51	18	40	30-130	
1-Methylnaphthalene	889	591	64	5	40	31-130	
2-Methylnaphthalene	889	571	61	17	40	33-130	
Naphthalene	889	579	61	19	40	36-130	
Phenanthrene	889	604	61	28	40	42-130	
Pyrene	889	595	56	22	40	44-130	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab File ID: 1DE03005.D Lab Sample ID: MB 660-137037/1-A
 Matrix: Solid Date Extracted: 05/02/2013 08:14
 Instrument ID: BSMD5973 Date Analyzed: 05/03/2013 11:28
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CV0282B-CS-SP	680-89791-41	1DE03012.D	05/03/2013 14:06
CV0282B-CS-SP MS	680-89791-41 MS	1DE03013.D	05/03/2013 14:29
CV0282B-CS-SP MSD	680-89791-41 MSD	1DE03014.D	05/03/2013 14:52
FM0023C-CS-SP	680-89791-44	1DE03017.D	05/03/2013 15:59
FM0245A-CS-SP	680-89791-45	1DE03018.D	05/03/2013 16:22
FM0245B-CS-SP	680-89791-46	1DE03019.D	05/03/2013 16:45
FM0245C-CS-SP	680-89791-47	1DE03020.D	05/03/2013 17:07
CV1142A-CS	680-89791-48	1DE03021.D	05/03/2013 17:30
CV1142A-CSD	680-89791-49	1DE03022.D	05/03/2013 17:52
CV1142B-CS	680-89791-50	1DE03023.D	05/03/2013 18:15
CV1143A-CS	680-89791-51	1DE03024.D	05/03/2013 18:37
CV1143B-CS	680-89791-52	1DE03025.D	05/03/2013 19:00
CV1145A-CS	680-89791-53	1DE03026.D	05/03/2013 19:22
CV1145B-CS	680-89791-54	1DE03027.D	05/03/2013 19:45
	LCS 660-137037/2-A	1AE06017.D	05/06/2013 14:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab File ID: 1AD26002.D DFTPP Injection Date: 04/26/2013
 Instrument ID: BSMA5973 DFTPP Injection Time: 09:50
 Analysis Batch No.: 136892

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	31.9
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	29.9
70	Less than 2.0 % of mass 69	0.3 (0.9)1
127	10.0 - 80.0 % of mass 198	38.3
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	5.5
275	10.0 - 60.0 % of mass 198	25.5
365	Greater than 1.0 % of mass 198	3.3
441	Present but less than mass 443	11.6
442	Greater than 50.0 % of mass 198	84.2
443	15.0 - 24.0 % of mass 442	15.5 (18.4)2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 660-136892/3	1AD26003.D	04/26/2013	10:03
	IC 660-136892/4	1AD26004.D	04/26/2013	10:18
	IC 660-136892/5	1AD26005.D	04/26/2013	10:33
	IC 660-136892/6	1AD26006.D	04/26/2013	10:48
	ICIS 660-136892/7	1AD26007.D	04/26/2013	11:03
	IC 660-136892/8	1AD26008.D	04/26/2013	11:19
	IC 660-136892/9	1AD26009.D	04/26/2013	11:34

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab File ID: 1AE06002.D DFTPP Injection Date: 05/06/2013
 Instrument ID: BSMA5973 DFTPP Injection Time: 10:11
 Analysis Batch No.: 137156

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	37.9
68	Less than 2.0 % of mass 69	0.3 (0.8)1
69	Mass 69 relative abundance	33.6
70	Less than 2.0 % of mass 69	0.6 (1.7)1
127	10.0 - 80.0 % of mass 198	46.4
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.3
275	10.0 - 60.0 % of mass 198	24.9
365	Greater than 1.0 % of mass 198	2.9
441	Present but less than mass 443	12.3
442	Greater than 50.0 % of mass 198	88.6
443	15.0 - 24.0 % of mass 442	16.3 (18.4)2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 660-137156/3	1AE06003.D	05/06/2013	10:24
	IC 660-137156/4	1AE06004.D	05/06/2013	10:40
	IC 660-137156/5	1AE06005.D	05/06/2013	10:56
	IC 660-137156/6	1AE06006.D	05/06/2013	11:11
	IC 660-137156/7	1AE06007.D	05/06/2013	11:26
	IC 660-137156/8	1AE06008.D	05/06/2013	11:41
	IC 660-137156/9	1AE06009.D	05/06/2013	11:56
	ICV 660-137156/10	1AE06010.D	05/06/2013	12:11
	LCS 660-137037/2-A	1AE06017.D	05/06/2013	14:52

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab File ID: 1DD04003.D DFTPP Injection Date: 04/04/2013
 Instrument ID: BSMD5973 DFTPP Injection Time: 12:15
 Analysis Batch No.: 136164

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	44.9
68	Less than 2.0 % of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	45.4
70	Less than 2.0 % of mass 69	0.2 (0.3) 1
127	10.0 - 80.0 % of mass 198	50.5
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	26.7
365	Greater than 1.0 % of mass 198	3.1
441	Present but less than mass 443	3.3
442	Greater than 50.0 % of mass 198	67.1
443	15.0 - 24.0 % of mass 442	13.9 (20.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 660-136164/15	1DD04007.D	04/04/2013	13:49
	IC 660-136164/16	1DD04008.D	04/04/2013	14:11
	IC 660-136164/17	1DD04009.D	04/04/2013	14:34
	IC 660-136164/18	1DD04010.D	04/04/2013	14:57
	ICIS 660-136164/19	1DD04011.D	04/04/2013	15:19
	IC 660-136164/20	1DD04012.D	04/04/2013	15:42
	IC 660-136164/21	1DD04013.D	04/04/2013	16:04
	ICV 660-136164/22	1DD04014.D	04/04/2013	16:27

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab File ID: 1DE03002.D DFTPP Injection Date: 05/03/2013
 Instrument ID: BSMD5973 DFTPP Injection Time: 10:16
 Analysis Batch No.: 137126

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0 % of mass 198	57.6
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.4
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	10.0 - 80.0 % of mass 198	51.2
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
275	10.0 - 60.0 % of mass 198	26.7
365	Greater than 1.0 % of mass 198	3.4
441	Present but less than mass 443	8.8
442	Greater than 50.0 % of mass 198	53.7
443	15.0 - 24.0 % of mass 442	11.4 (21.2)2

1-Value is % mass 69

2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-137126/3	1DE03003.D	05/03/2013	10:32
	MB 660-137037/1-A	1DE03005.D	05/03/2013	11:28
CV0282B-CS-SP	680-89791-41	1DE03012.D	05/03/2013	14:06
CV0282B-CS-SP MS	680-89791-41 MS	1DE03013.D	05/03/2013	14:29
CV0282B-CS-SP MSD	680-89791-41 MSD	1DE03014.D	05/03/2013	14:52
FM0023C-CS-SP	680-89791-44	1DE03017.D	05/03/2013	15:59
FM0245A-CS-SP	680-89791-45	1DE03018.D	05/03/2013	16:22
FM0245B-CS-SP	680-89791-46	1DE03019.D	05/03/2013	16:45
FM0245C-CS-SP	680-89791-47	1DE03020.D	05/03/2013	17:07
CV1142A-CS	680-89791-48	1DE03021.D	05/03/2013	17:30
CV1142A-CSD	680-89791-49	1DE03022.D	05/03/2013	17:52
CV1142B-CS	680-89791-50	1DE03023.D	05/03/2013	18:15
CV1143A-CS	680-89791-51	1DE03024.D	05/03/2013	18:37
CV1143B-CS	680-89791-52	1DE03025.D	05/03/2013	19:00
CV1145A-CS	680-89791-53	1DE03026.D	05/03/2013	19:22
CV1145B-CS	680-89791-54	1DE03027.D	05/03/2013	19:45

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: ICIS 660-137156/3 Date Analyzed: 05/06/2013 10:24
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AE06003.D Heated Purge: (Y/N) N
 Calibration ID: 2919

	NPT		ANT		PHN	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1347501	2.54	663107	3.58	1152475	4.52
UPPER LIMIT	2695002	3.04	1326214	4.08	2304950	5.02
LOWER LIMIT	673751	2.04	331554	3.08	576238	4.02
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-137156/10	1358957	2.55	723354	3.58	1301827	4.52
LCS 660-137037/2-A	1196490	2.55	655641	3.57	1074740	4.53

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: ICIS 660-137156/3 Date Analyzed: 05/06/2013 10:24
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AE06003.D Heated Purge: (Y/N) N
 Calibration ID: 2919

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	1092561	6.53	1003019	7.63		
UPPER LIMIT	2185122	7.03	2006038	8.13		
LOWER LIMIT	546281	6.03	501510	7.13		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-137156/10	1182962	6.54	1130799	7.62		
LCS 660-137037/2-A	711012	6.54	850953	7.63		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: ICIS 660-136164/19 Date Analyzed: 04/04/2013 15:19
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD04011.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	2475113	6.09	1466924	7.77	2428512	9.03	
UPPER LIMIT	4950226	6.59	2933848	8.27	4857024	9.53	
LOWER LIMIT	1237557	5.59	733462	7.27	1214256	8.53	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 660-136164/22		3619899	6.10	2333423	7.77	3845474	9.03

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: ICIS 660-136164/19 Date Analyzed: 04/04/2013 15:19
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DD04011.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
INITIAL CALIBRATION MID-POINT	2464730	11.34	2515643	13.17		
UPPER LIMIT	4929460	11.84	5031286	13.67		
LOWER LIMIT	1232365	10.84	1257822	12.67		
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 660-136164/22	3963674	11.35	3958481	13.18		

CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: CCVIS 660-137126/3 Date Analyzed: 05/03/2013 10:32
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DE03003.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	NPT		ANT		PHN		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1493654	6.00	955216	7.69	1664161	8.95	
UPPER LIMIT	2987308	6.50	1910432	8.19	3328322	9.45	
LOWER LIMIT	746827	5.50	477608	7.19	832081	8.45	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-137037/1-A		1370230	6.01	942213	7.69	1505344	8.95
680-89791-41	CV0282B-CS-SP	1431765	6.00	947300	7.69	1565938	8.95
680-89791-41 MS	CV0282B-CS-SP MS	1448369	6.00	958532	7.69	1598117	8.95
680-89791-41 MSD	CV0282B-CS-SP MSD	1403708	6.00	911374	7.69	1478931	8.95
680-89791-44	FM0023C-CS-SP	1384528	6.00	906353	7.69	1520139	8.95
680-89791-45	FM0245A-CS-SP	1387421	6.00	896990	7.69	1466411	8.95
680-89791-46	FM0245B-CS-SP	1374483	6.00	910086	7.69	1515515	8.96
680-89791-47	FM0245C-CS-SP	1411900	6.00	923692	7.69	1518924	8.95
680-89791-48	CV1142A-CS	1378494	6.00	910789	7.69	1531334	8.96
680-89791-49	CV1142A-CSD	1427592	6.00	943927	7.69	1568365	8.95
680-89791-50	CV1142B-CS	1401978	6.01	926869	7.69	1521489	8.96
680-89791-51	CV1143A-CS	1472085	6.01	970581	7.69	1643082	8.96
680-89791-52	CV1143B-CS	1399825	6.01	907328	7.69	1499723	8.96
680-89791-53	CV1145A-CS	1429952	6.01	942569	7.69	1528346	8.96
680-89791-54	CV1145B-CS	1395642	6.01	940696	7.69	1565141	8.96

NPT = Naphthalene-d8
 ANT = Acenaphthene-d10
 PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
 RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Sample No.: CCVIS 660-137126/3 Date Analyzed: 05/03/2013 10:32
 Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1DE03003.D Heated Purge: (Y/N) N
 Calibration ID: 2874

	CRY		PRY		AREA #	RT #
	AREA #	RT #	AREA #	RT #		
12/24 HOUR STD	1669769	11.26	1568187	13.07		
UPPER LIMIT	3339538	11.76	3136374	13.57		
LOWER LIMIT	834885	10.76	784094	12.57		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 660-137037/1-A		1488703	11.26	1475833	13.07	
680-89791-41	CV0282B-CS-SP	1630529	11.25	1663781	13.07	
680-89791-41 MS	CV0282B-CS-SP MS	1618699	11.26	1612211	13.08	
680-89791-41 MSD	CV0282B-CS-SP MSD	1553244	11.26	1599186	13.07	
680-89791-44	FM0023C-CS-SP	1527015	11.26	1611876	13.08	
680-89791-45	FM0245A-CS-SP	1507158	11.26	1599075	13.07	
680-89791-46	FM0245B-CS-SP	1615149	11.26	1689030	13.08	
680-89791-47	FM0245C-CS-SP	1562759	11.26	1664683	13.08	
680-89791-48	CV1142A-CS	1699093	11.27	1716531	13.09	
680-89791-49	CV1142A-CSD	1674423	11.26	1675077	13.08	
680-89791-50	CV1142B-CS	1670642	11.27	1630651	13.08	
680-89791-51	CV1143A-CS	1704609	11.26	1666454	13.08	
680-89791-52	CV1143B-CS	1664204	11.27	1584199	13.08	
680-89791-53	CV1145A-CS	1659353	11.26	1637385	13.08	
680-89791-54	CV1145B-CS	1659368	11.26	1571754	13.08	

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV0282B-CS-SP Lab Sample ID: 680-89791-41
 Matrix: Solid Lab File ID: 1DE03012.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 13:25
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.93(g) Date Analyzed: 05/03/2013 14:06
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 24.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	27
208-96-8	Acenaphthylene	53	U	53	6.7
120-12-7	Anthracene	16		11	5.6
56-55-3	Benzo[a]anthracene	82		11	5.2
50-32-8	Benzo[a]pyrene	76	F	14	7.0
205-99-2	Benzo[b]fluoranthene	120		16	8.2
191-24-2	Benzo[g,h,i]perylene	58		27	5.9
207-08-9	Benzo[k]fluoranthene	47		11	4.8
218-01-9	Chrysene	110		12	6.0
53-70-3	Dibenz(a,h)anthracene	19	J	27	5.5
206-44-0	Fluoranthene	140		27	5.3
86-73-7	Fluorene	27	U	27	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	34		27	9.5
90-12-0	1-Methylnaphthalene	23	J	53	5.9
91-57-6	2-Methylnaphthalene	28	J	53	9.5
91-20-3	Naphthalene	40	J	53	5.9
85-01-8	Phenanthrene	63		11	5.2
129-00-0	Pyrene	97	F	27	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	48		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03012.D
 Lab Smp Id: 680-89791-A-41-A Client Smp ID: CV0282B-CS-SP
 Inj Date : 03-MAY-2013 14:06
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-41-a
 Misc Info : 680-89791-A-41-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.930	Weight Extracted
M	24.829	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.002	6.004	(1.000)	1431765	40.0000	
* 6 Acenaphthene-d10	164		7.688	7.690	(1.000)	947300	40.0000	
* 9 Phenanthrene-d10	188		8.951	8.953	(1.000)	1565938	40.0000	
\$ 13 o-Terphenyl	230		9.257	9.259	(1.034)	112360	4.76211	420
* 17 Chrysene-d12	240		11.254	11.257	(1.000)	1630529	40.0000	
* 22 Perylene-d12	264		13.070	13.066	(1.000)	1663781	40.0000	
2 Naphthalene	128		6.025	6.027	(1.004)	15812	0.44432	40(M)
3 2-Methylnaphthalene	142		6.736	6.738	(1.122)	7132	0.31046	28
4 1-Methylnaphthalene	142		6.824	6.826	(1.137)	5559	0.25624	23(M)
5 Acenaphthylene	152		7.559	7.561	(0.983)	2806	0.06999	6.2
8 Fluorene	166		8.158	8.160	(1.061)	1133	0.03866	3.4(Q)
10 Phenanthrene	178		8.969	8.971	(1.002)	30563	0.70857	63
11 Anthracene	178		9.010	9.012	(1.007)	7903	0.18460	16
12 Carbazole	167		9.157	9.159	(1.023)	3701	0.09801	8.7

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.956	9.958 (1.112)		68346	1.53980	140(M)
15 Pyrene	202	10.144	10.146 (0.901)		53111	1.08468	97
16 Benzo(a)anthracene	228	11.243	11.239 (0.999)		43328	0.91910	82
18 Chrysene	228	11.278	11.280 (1.002)		54257	1.22747	110
19 Benzo(b)fluoranthene	252	12.523	12.526 (0.958)		55167	1.32735	120(M)
20 Benzo(k)fluoranthene	252	12.553	12.567 (0.960)		23022	0.52579	47(M)
21 Benzo(a)pyrene	252	12.976	12.978 (0.993)		35510	0.85034	76
23 Indeno(1,2,3-cd)pyrene	276	14.639	14.647 (1.120)		16950	0.38066	34(M)
24 Dibenzo(a,h)anthracene	278	14.662	14.670 (1.122)		9034	0.21545	19
25 Benzo(g,h,i)perylene	276	15.079	15.081 (1.154)		28111	0.65566	58(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: 1DE03012.D

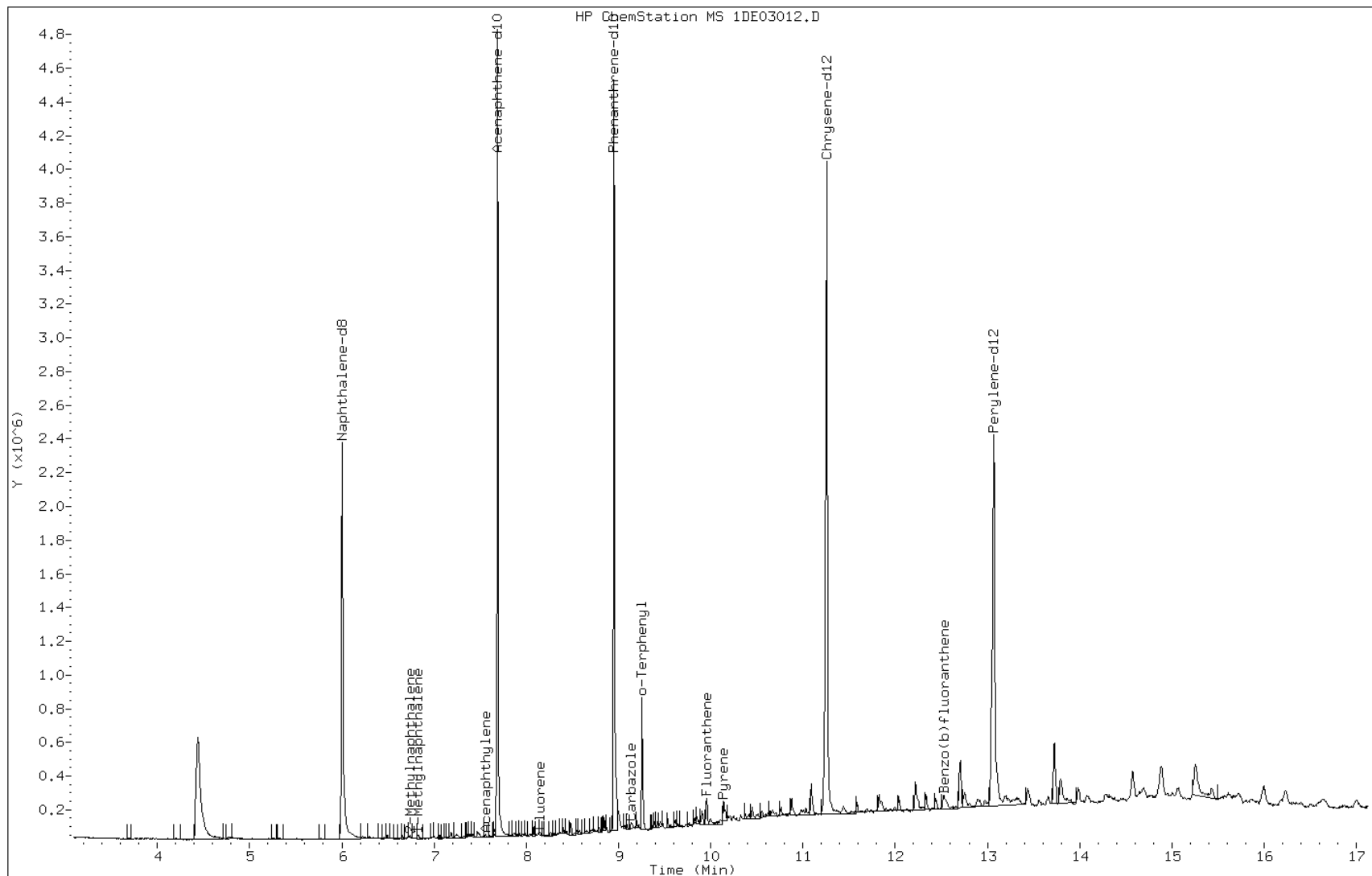
Date: 03-MAY-2013 14:06

Client ID: CV0282B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-a

Operator: SCC



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

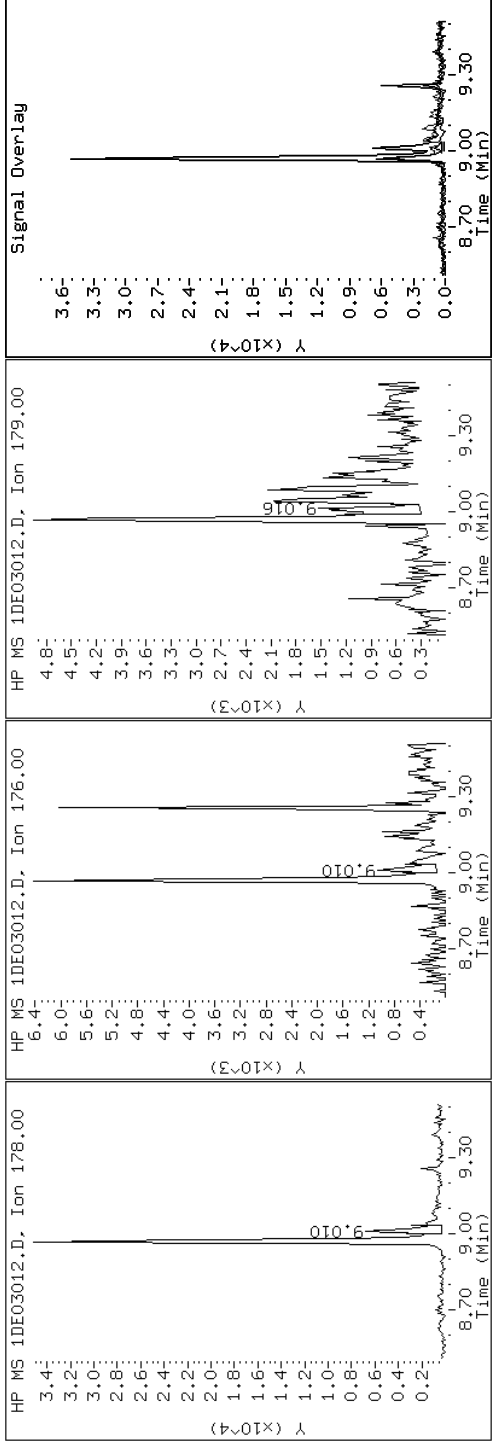
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

11 Anthracene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

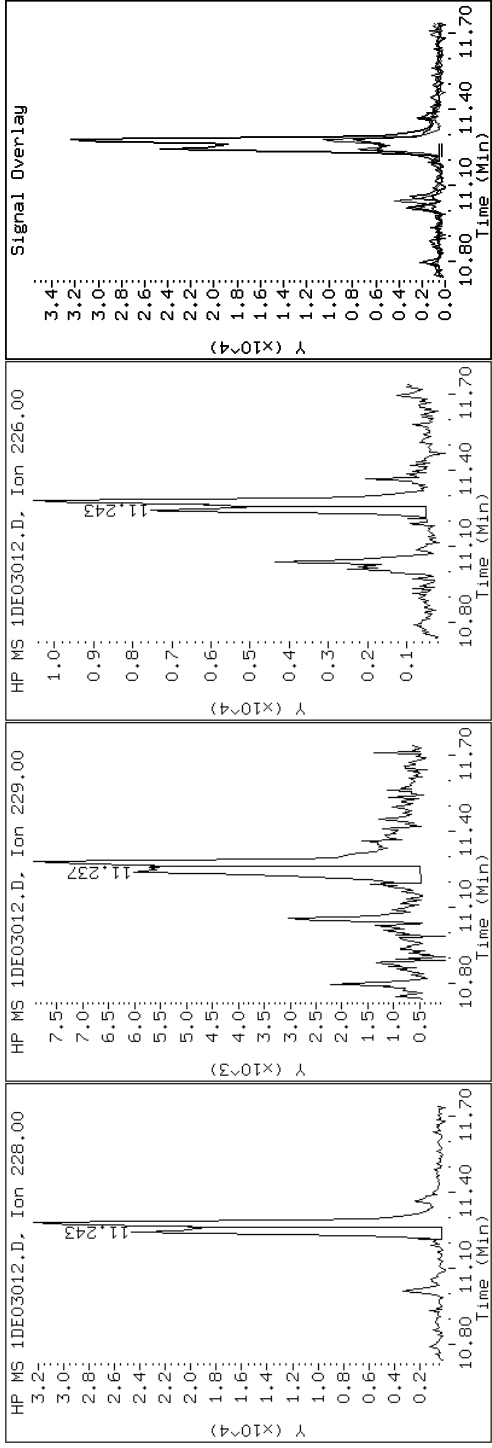
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

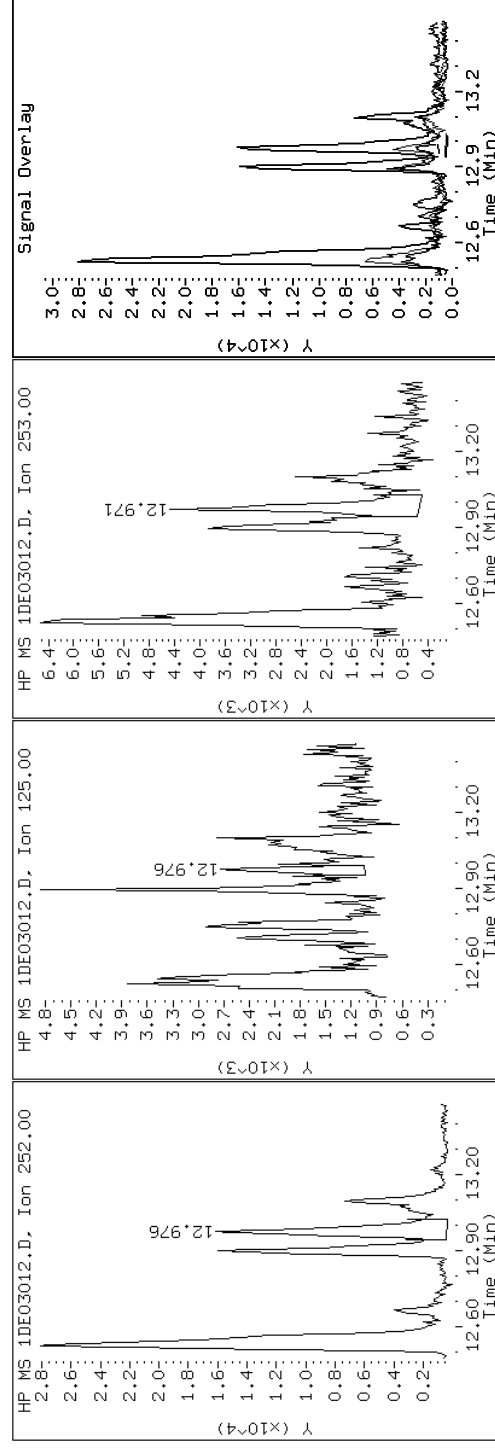
Client ID: CV0282B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

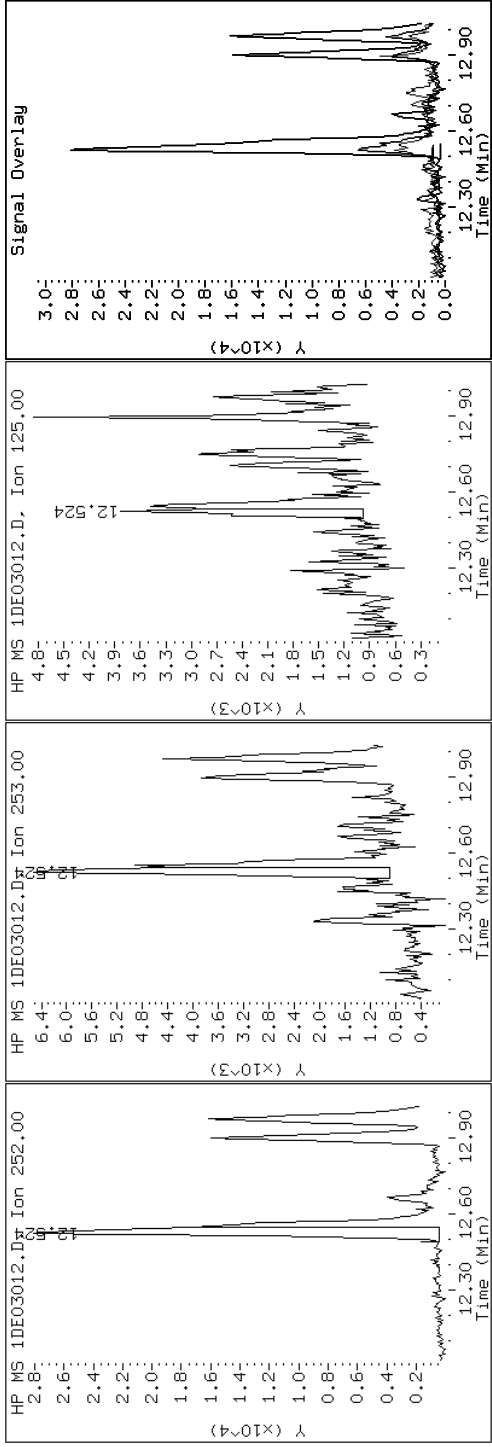
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

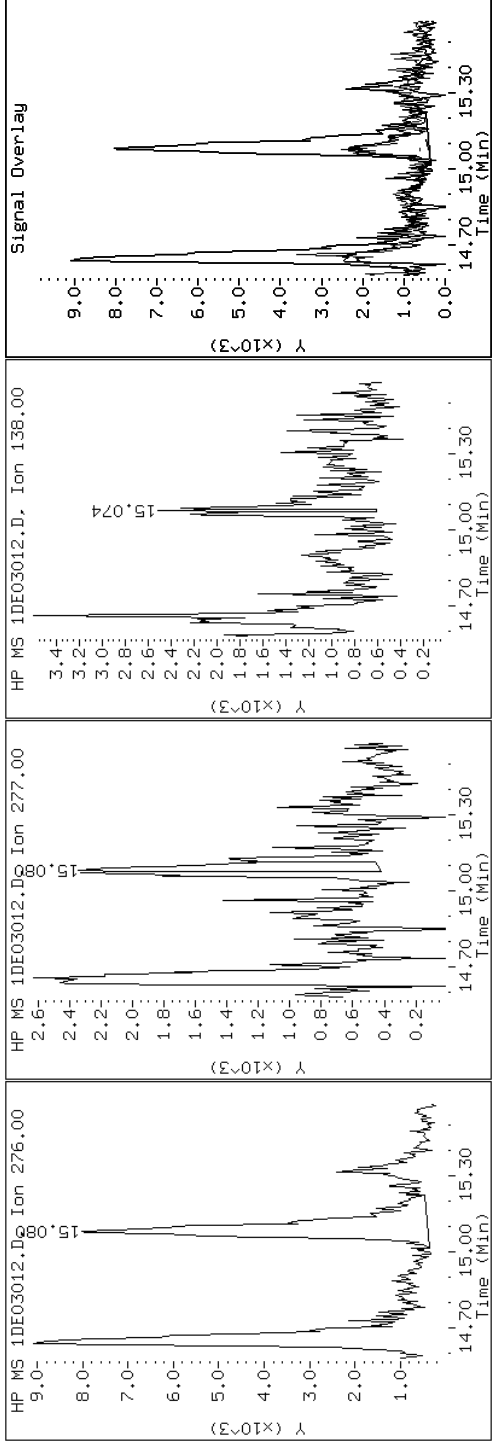
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

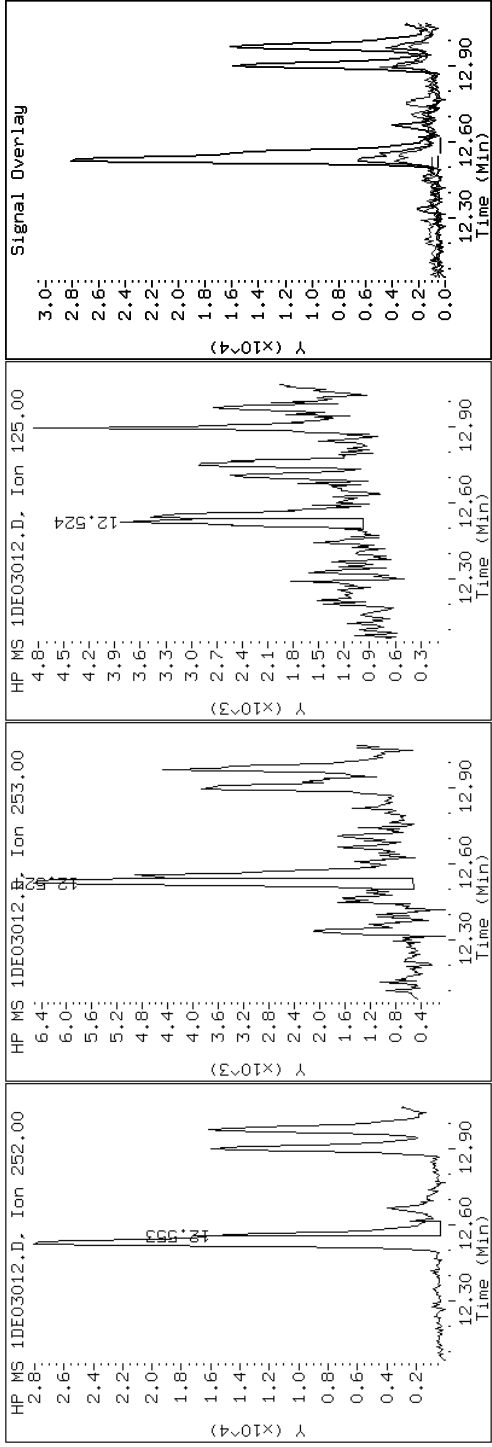
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

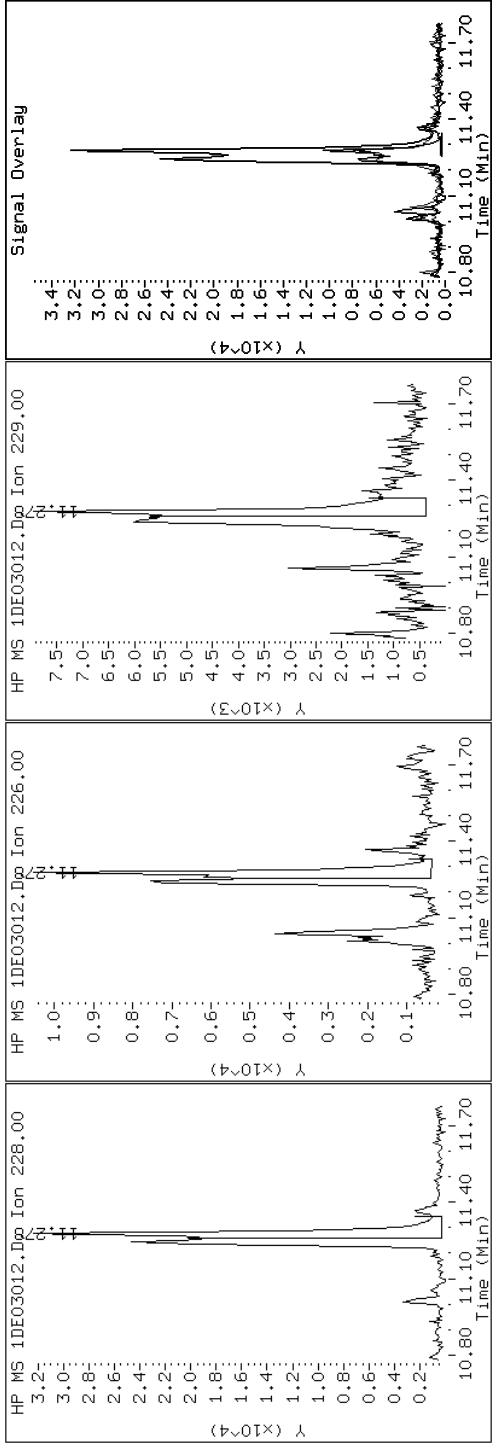
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

18 Chrysene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

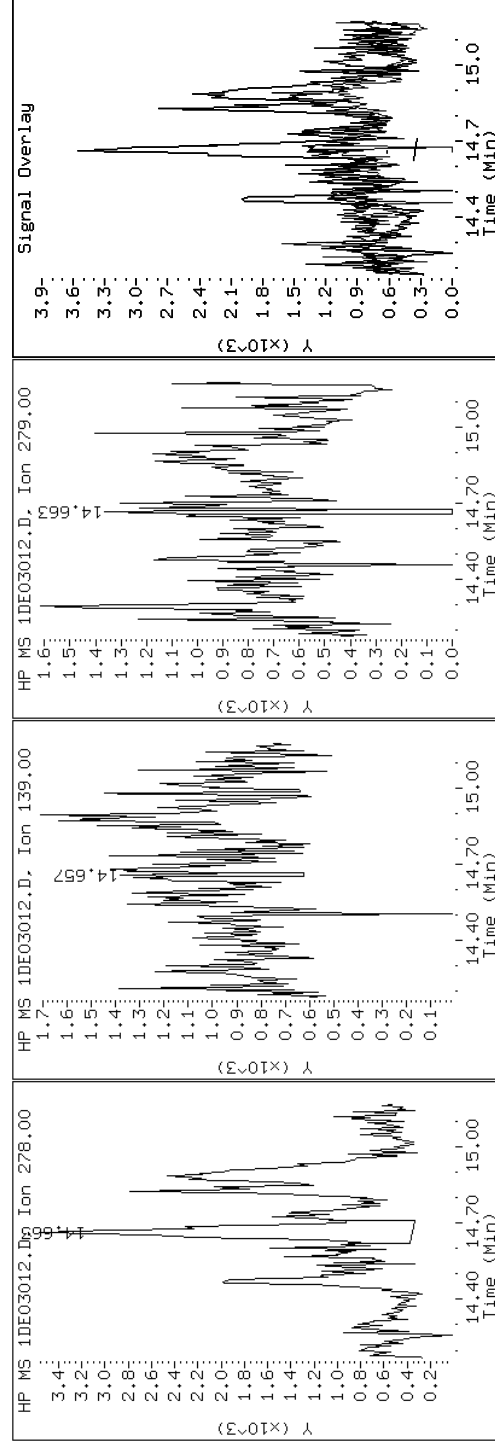
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

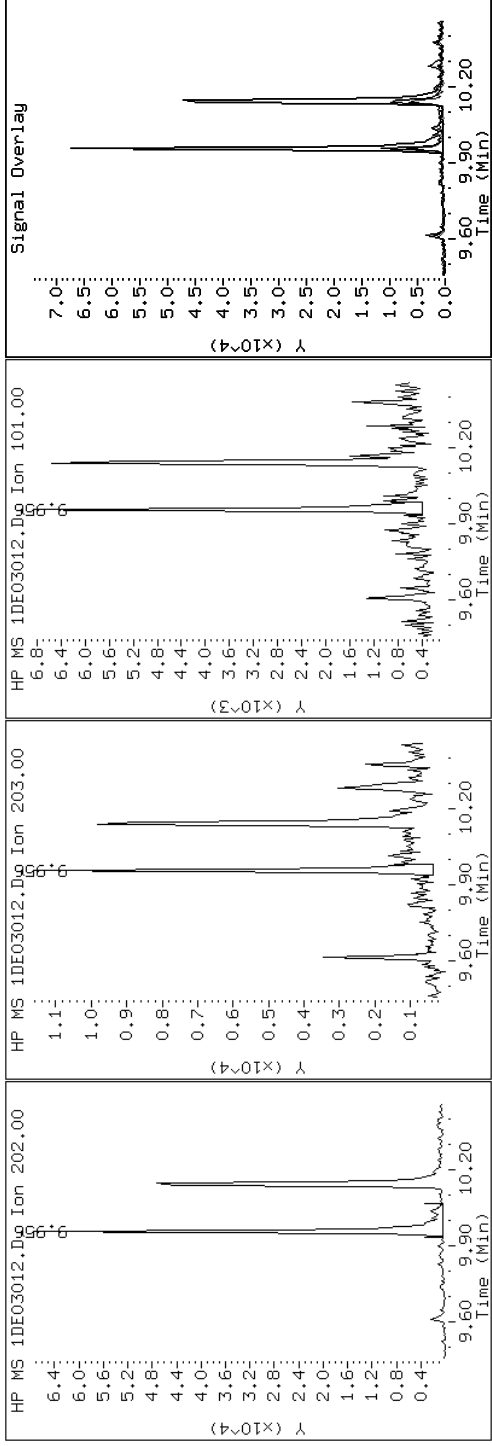
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

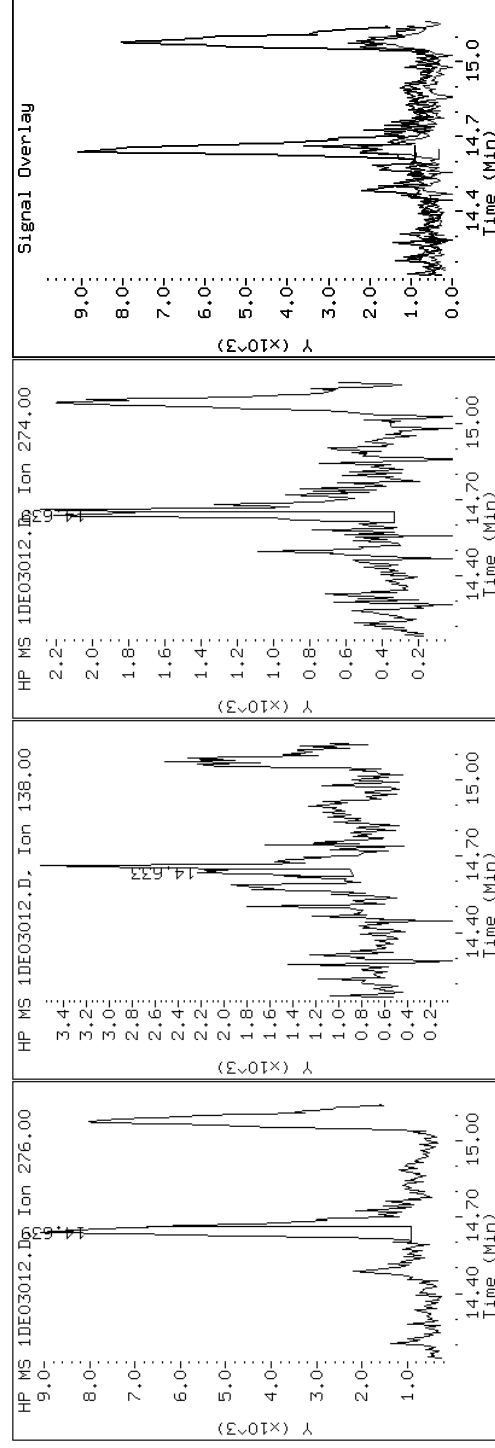
Client ID: CV0282B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

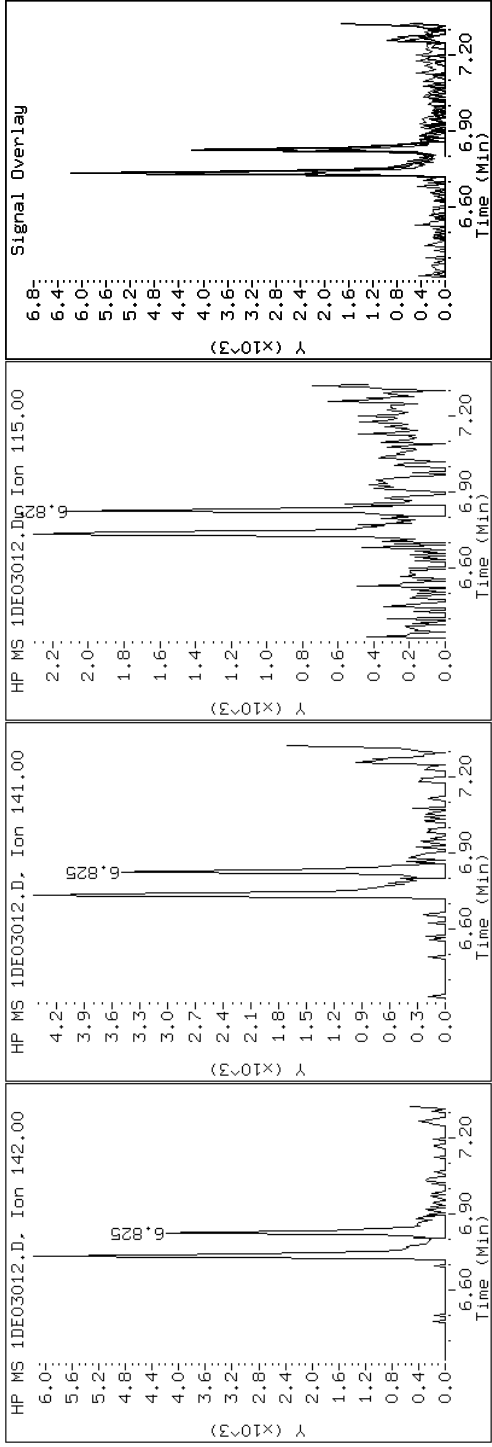
Client ID: CV0282B-CS-SP

Instrument: BSMMSD.i

Sample Info: 680-89791-a-41-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

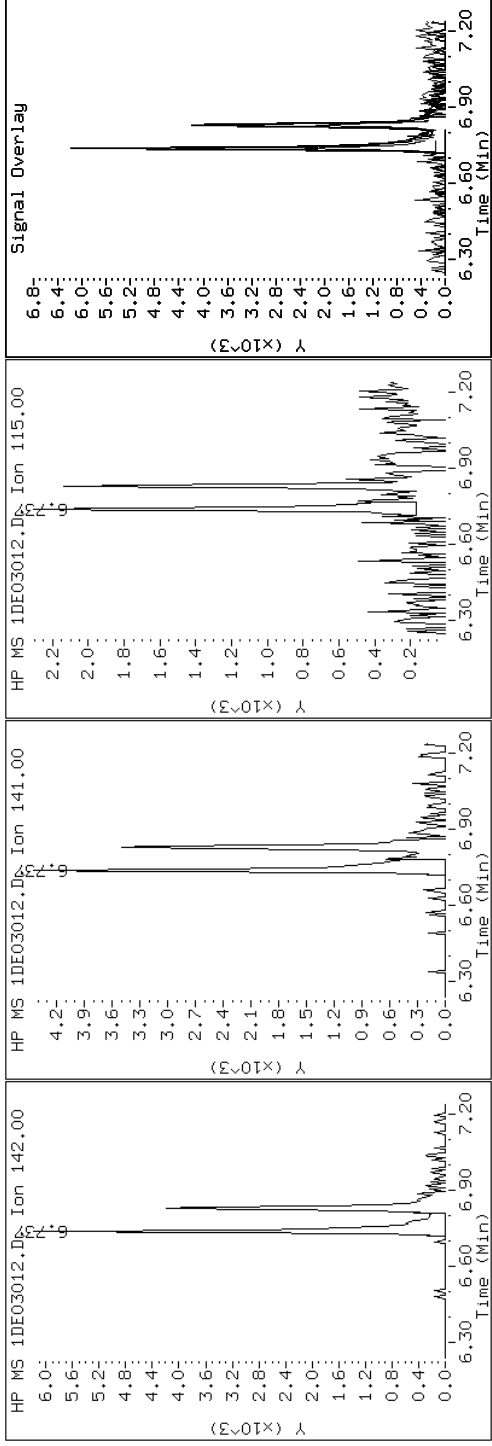
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

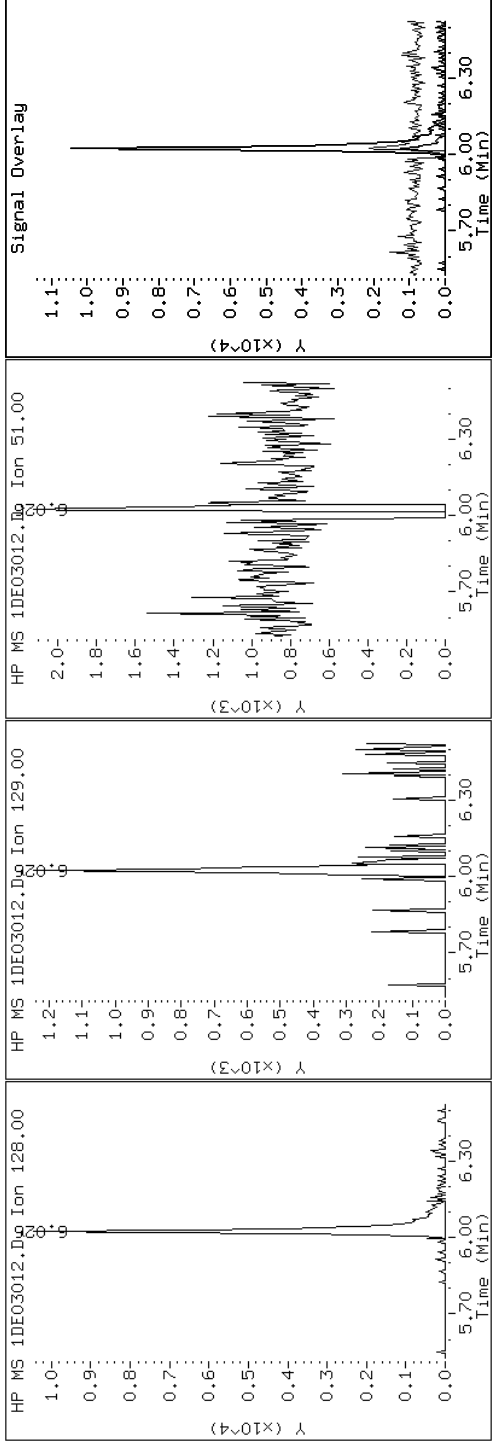
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

2 Naphthalene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

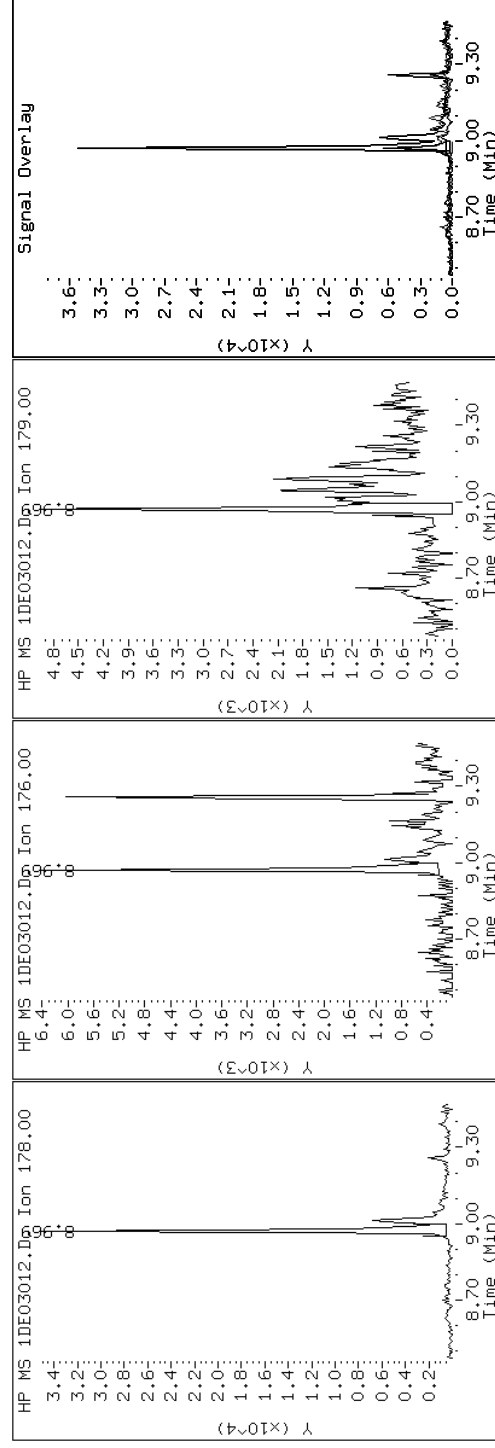
Client ID: CV0282B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-41-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03012.D

Date: 03-MAY-2013 14:06

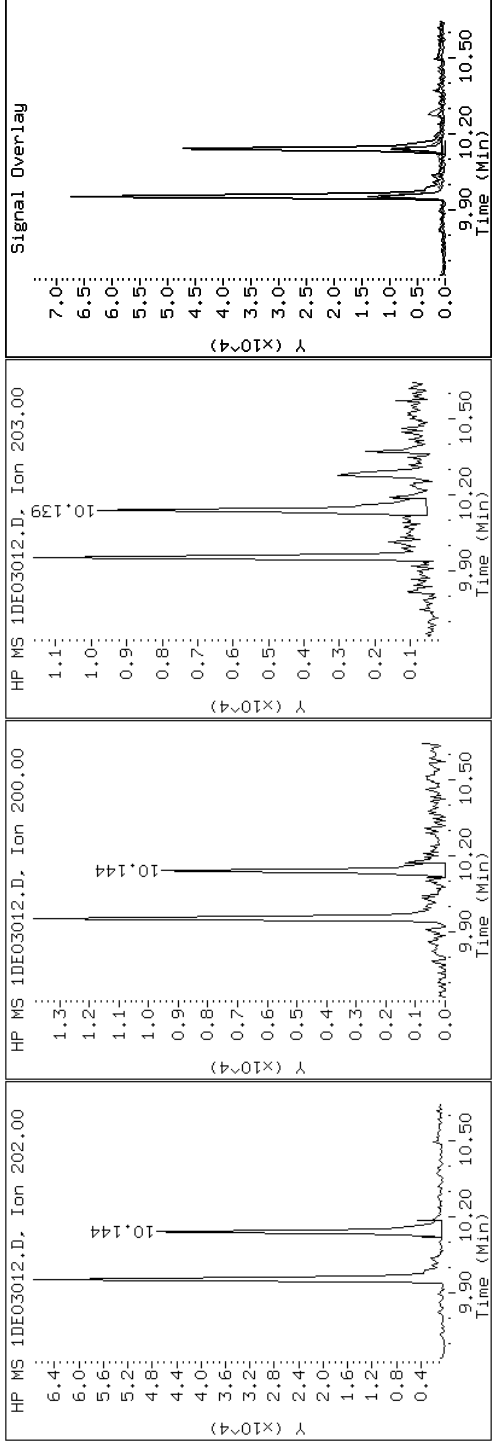
Client ID: CV0282B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-a

Operator: SCC

15 Pyrene

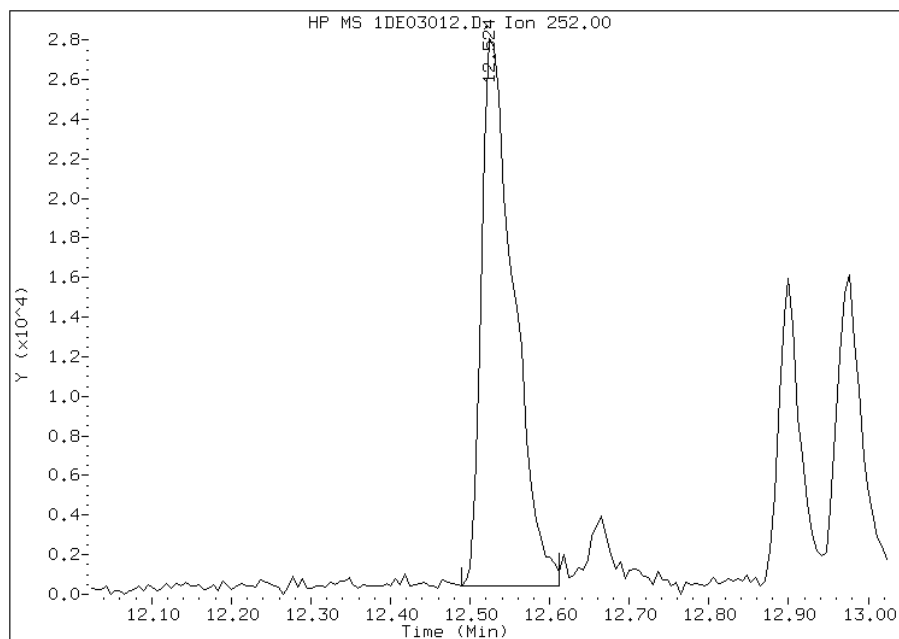


Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

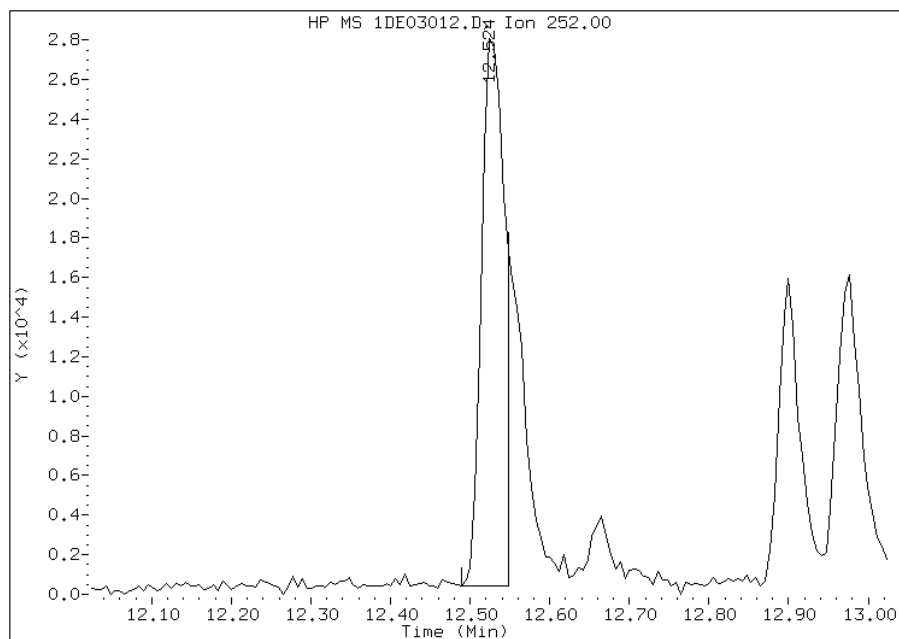
Processing Integration Results

RT: 12.52
Response: 77993
Amount: 2
Conc: 167



Manual Integration Results

RT: 12.52
Response: 55167
Amount: 1
Conc: 118



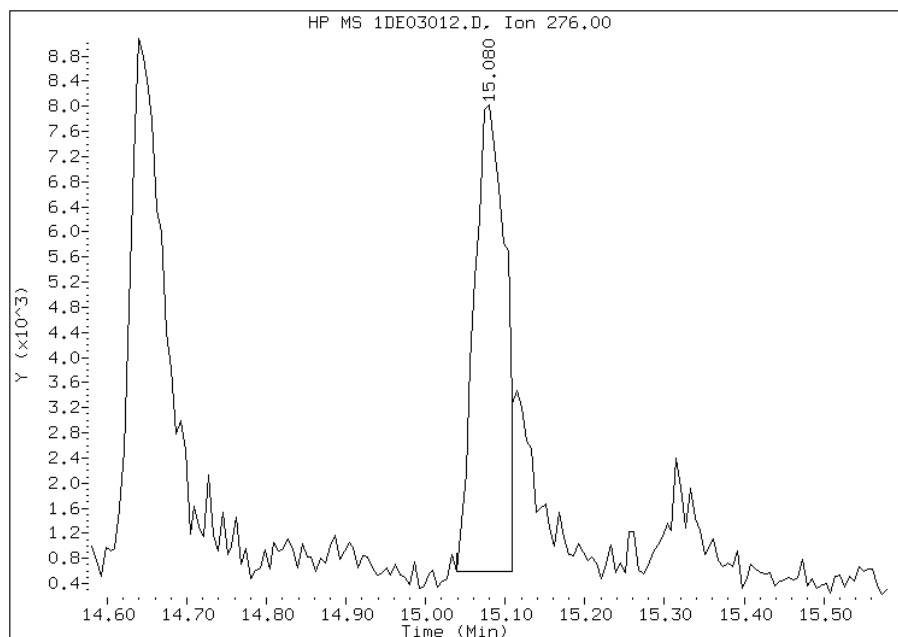
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:20
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

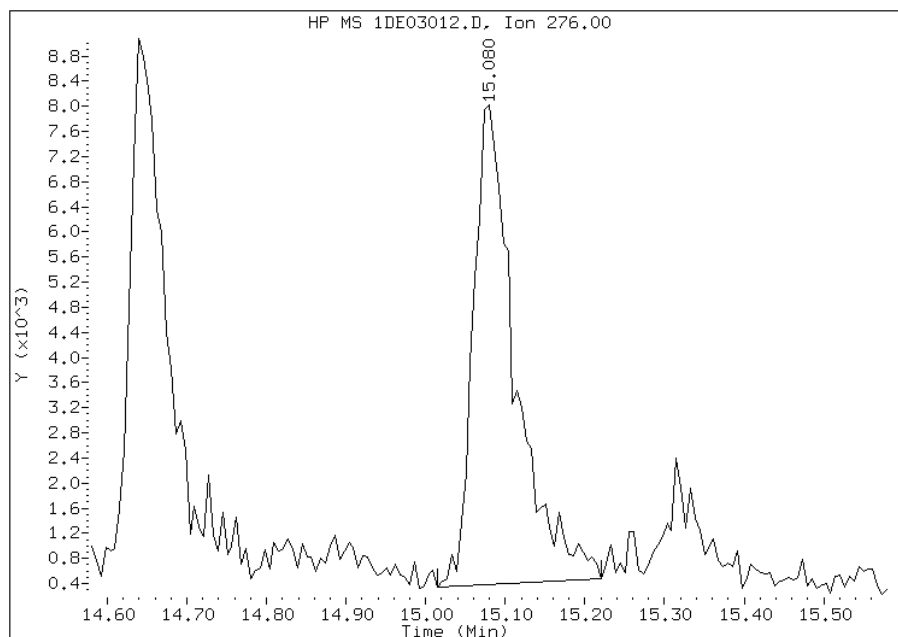
Processing Integration Results

RT: 15.08
Response: 19987
Amount: 0
Conc: 42



Manual Integration Results

RT: 15.08
Response: 28111
Amount: 1
Conc: 58



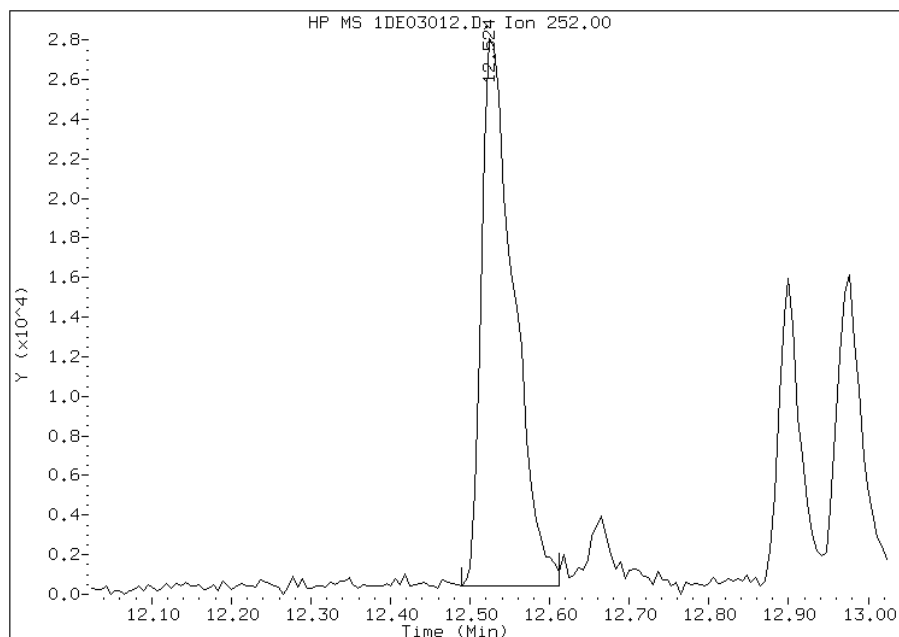
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:21
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

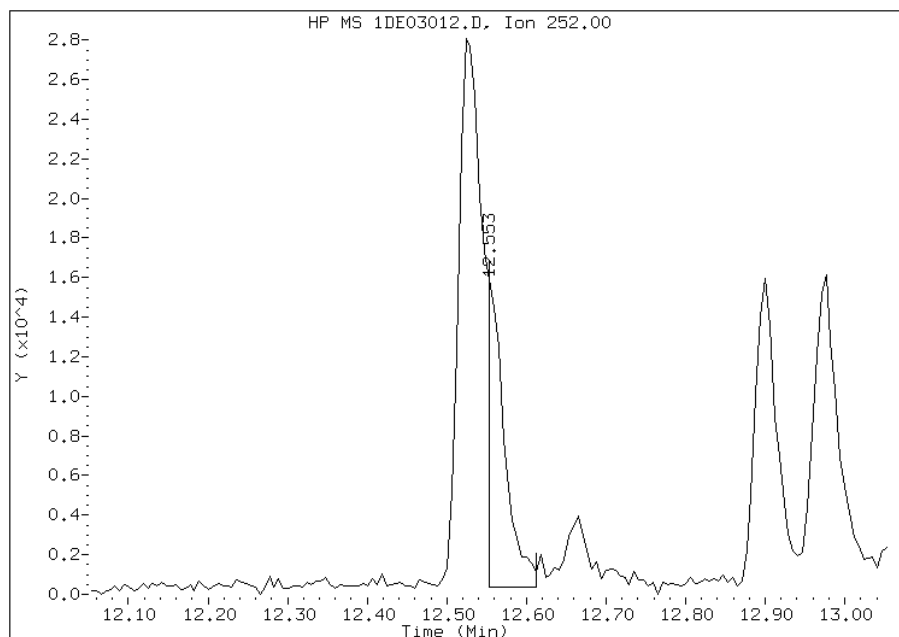
Processing Integration Results

RT: 12.52
Response: 77993
Amount: 2
Conc: 159



Manual Integration Results

RT: 12.55
Response: 23022
Amount: 1
Conc: 47



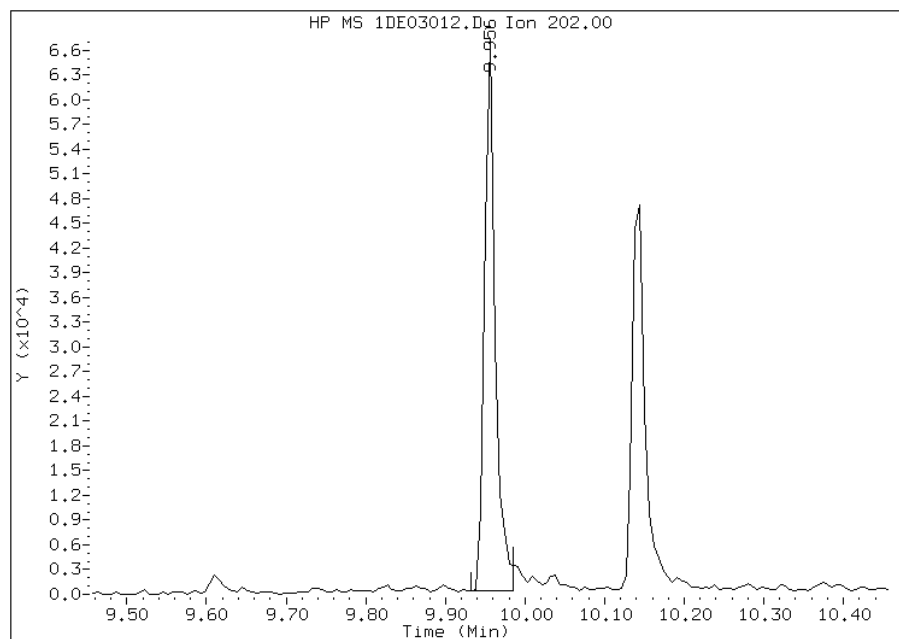
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:20
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 14 Fluoranthene
CAS #: 206-44-0
Report Date: 05/06/2013

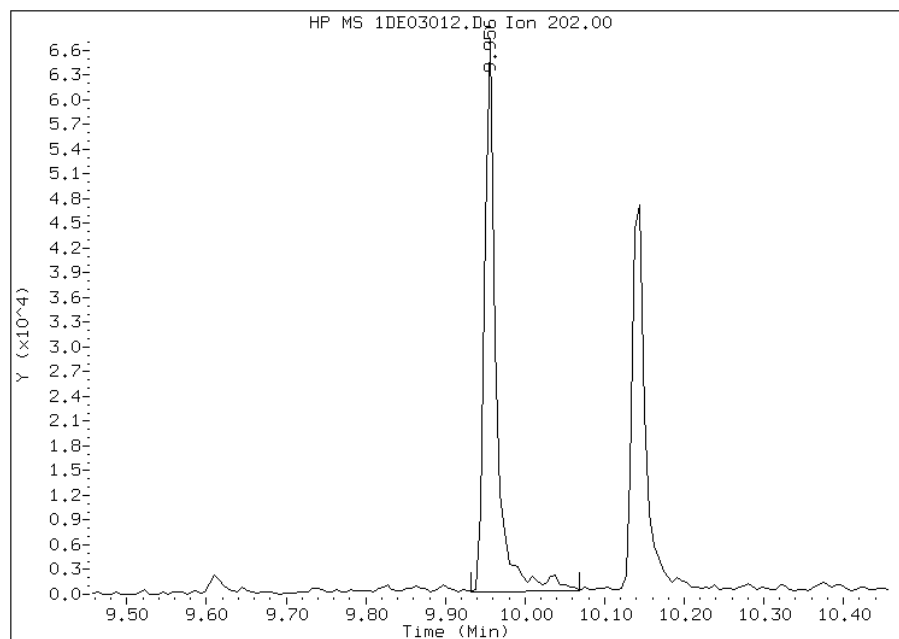
Processing Integration Results

RT: 9.96
Response: 62272
Amount: 1
Conc: 125



Manual Integration Results

RT: 9.96
Response: 68346
Amount: 2
Conc: 137



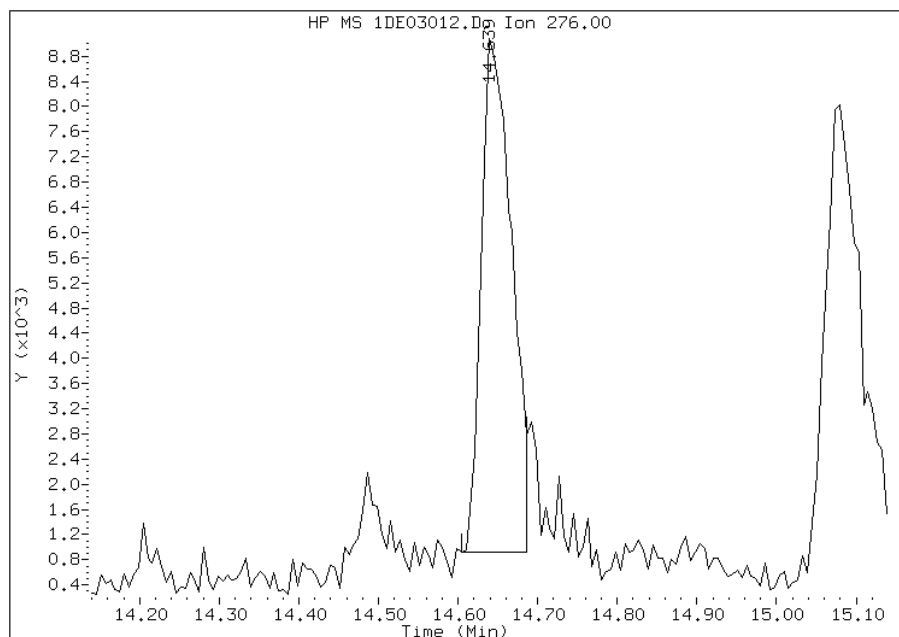
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:20
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

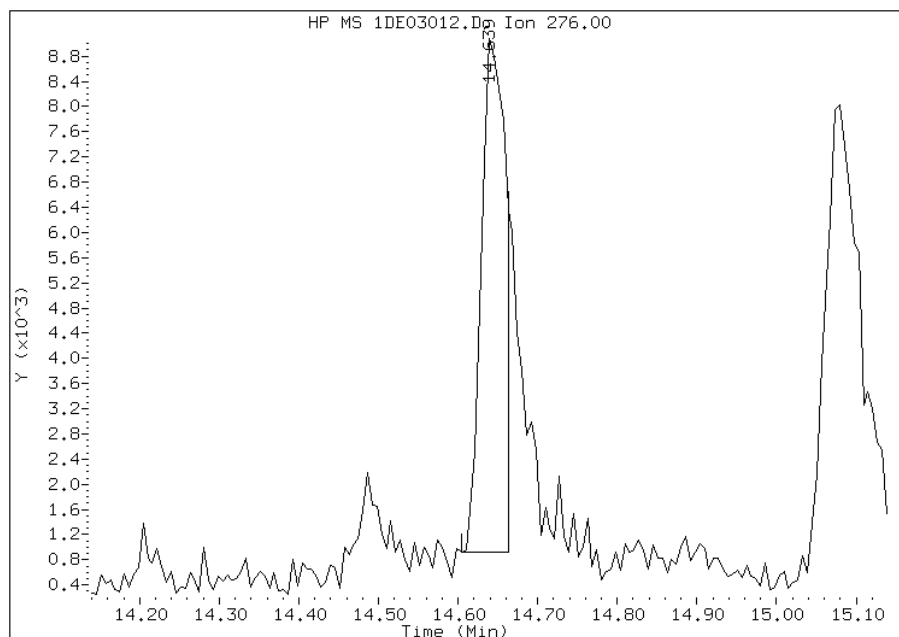
Processing Integration Results

RT: 14.64
Response: 21648
Amount: 0
Conc: 43



Manual Integration Results

RT: 14.64
Response: 16950
Amount: 0
Conc: 34



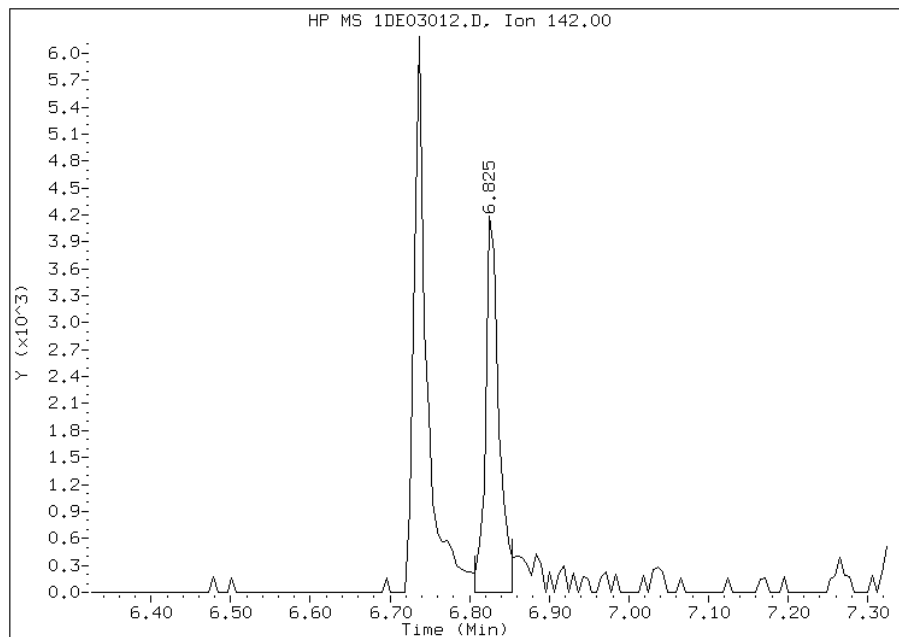
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:21
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

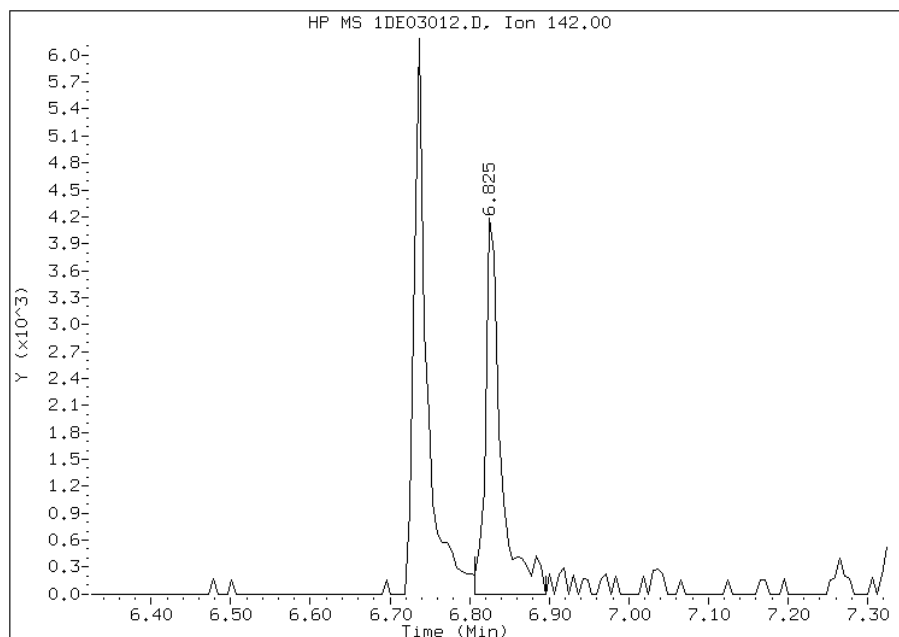
Processing Integration Results

RT: 6.82
Response: 4816
Amount: 0
Conc: 20



Manual Integration Results

RT: 6.82
Response: 5559
Amount: 0
Conc: 23



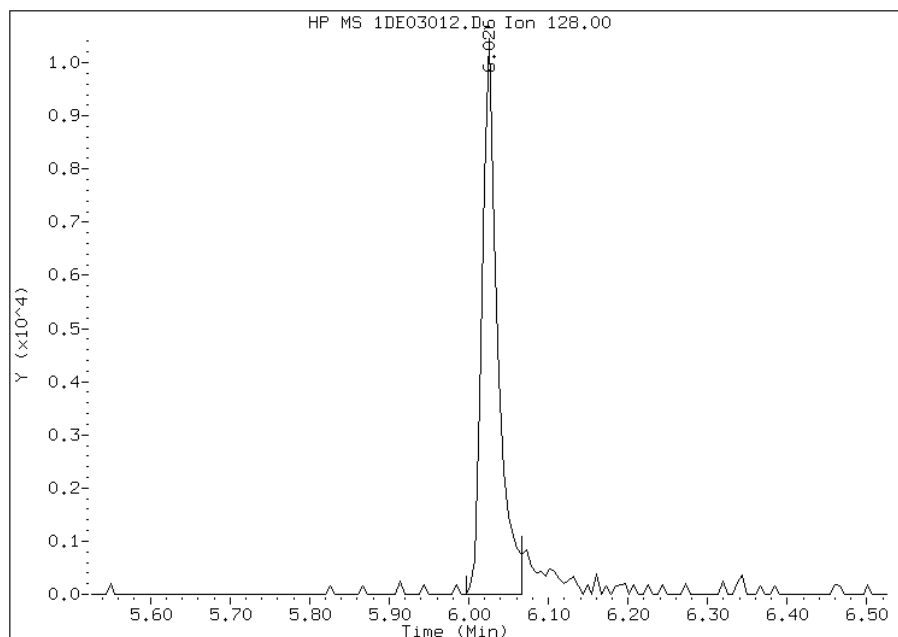
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03012.D
Inj. Date and Time: 03-MAY-2013 14:06
Instrument ID: BSMSD.i
Client ID: CV0282B-CS-SP
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

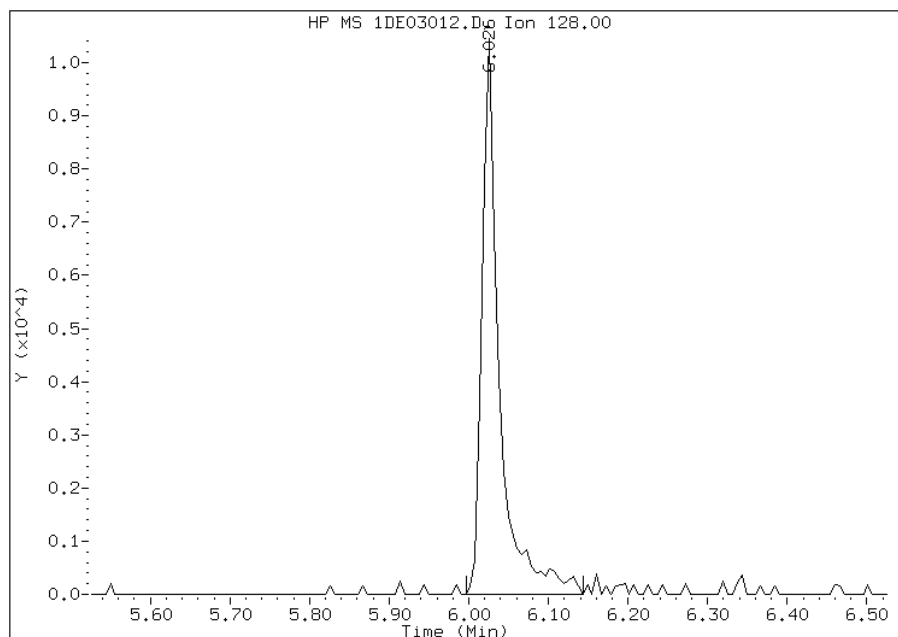
Processing Integration Results

RT: 6.03
Response: 14141
Amount: 0
Conc: 35



Manual Integration Results

RT: 6.03
Response: 15812
Amount: 0
Conc: 40



Manually Integrated By: cantins
Modification Date: 06-May-2013 14:19
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: FM0023C-CS-SP Lab Sample ID: 680-89791-44
 Matrix: Solid Lab File ID: 1DE03017.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 14:28
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.98(g) Date Analyzed: 05/03/2013 15:59
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120	U	120	24
208-96-8	Acenaphthylene	49	U	49	6.1
120-12-7	Anthracene	5.8	J	10	5.1
56-55-3	Benzo[a]anthracene	20		9.7	4.7
50-32-8	Benzo[a]pyrene	18		13	6.3
205-99-2	Benzo[b]fluoranthene	29		15	7.4
191-24-2	Benzo[g,h,i]perylene	15	J	24	5.3
207-08-9	Benzo[k]fluoranthene	14		9.7	4.4
218-01-9	Chrysene	35		11	5.5
53-70-3	Dibenz(a,h)anthracene	24	U	24	5.0
206-44-0	Fluoranthene	33		24	4.9
86-73-7	Fluorene	24	U	24	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	12	J	24	8.6
90-12-0	1-Methylnaphthalene	19	J	49	5.3
91-57-6	2-Methylnaphthalene	20	J	49	8.6
91-20-3	Naphthalene	29	J	49	5.3
85-01-8	Phenanthrene	28		9.7	4.7
129-00-0	Pyrene	25		24	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	41		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03017.D
 Lab Smp Id: 680-89791-A-44-A Client Smp ID: FM0023C-CS-SP
 Inj Date : 03-MAY-2013 15:59
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-44-a
 Misc Info : 680-89791-A-44-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.980	Weight Extracted
M	17.417	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.001	6.004	(1.000)	1384528	40.0000	
* 6 Acenaphthene-d10	164	7.688	7.690	(1.000)	906353	40.0000	
* 9 Phenanthrene-d10	188	8.951	8.953	(1.000)	1520139	40.0000	
\$ 13 o-Terphenyl	230	9.256	9.259	(1.034)	93138	4.06636	330
* 17 Chrysene-d12	240	11.260	11.257	(1.000)	1527015	40.0000	
* 22 Perylene-d12	264	13.075	13.066	(1.000)	1611876	40.0000	
2 Naphthalene	128	6.025	6.027	(1.004)	12175	0.35379	28(M)
3 2-Methylnaphthalene	142	6.736	6.738	(1.122)	5626	0.25325	20(M)
4 1-Methylnaphthalene	142	6.824	6.826	(1.137)	4910	0.23405	19(M)
8 Fluorene	166	8.158	8.160	(1.061)	855	0.03049	2.5(Q)
10 Phenanthrene	178	8.968	8.971	(1.002)	14313	0.34183	28
11 Anthracene	178	9.015	9.012	(1.007)	3006	0.07233	5.8
12 Carbazole	167	9.162	9.159	(1.024)	2093	0.05710	4.6
14 Fluoranthene	202	9.956	9.958	(1.112)	17730	0.41148	33

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
15 Pyrene	202	10.144	10.146 (0.901)		14135	0.30825	25
16 Benzo(a)anthracene	228	11.248	11.239 (0.999)		10751	0.24352	20
18 Chrysene	228	11.278	11.280 (1.002)		17694	0.42743	34
19 Benzo(b)fluoranthene	252	12.529	12.526 (0.958)		14671	0.36436	29
20 Benzo(k)fluoranthene	252	12.558	12.567 (0.960)		7426	0.17506	14
21 Benzo(a)pyrene	252	12.981	12.978 (0.993)		9119	0.22540	18
23 Indeno(1,2,3-cd)pyrene	276	14.656	14.647 (1.121)		6190	0.14349	12(M)
24 Dibenzo(a,h)anthracene	278	14.685	14.670 (1.123)		2049	0.05044	4.1
25 Benzo(g,h,i)perylene	276	15.079	15.081 (1.153)		7683	0.18497	15(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: 1DE03017.D

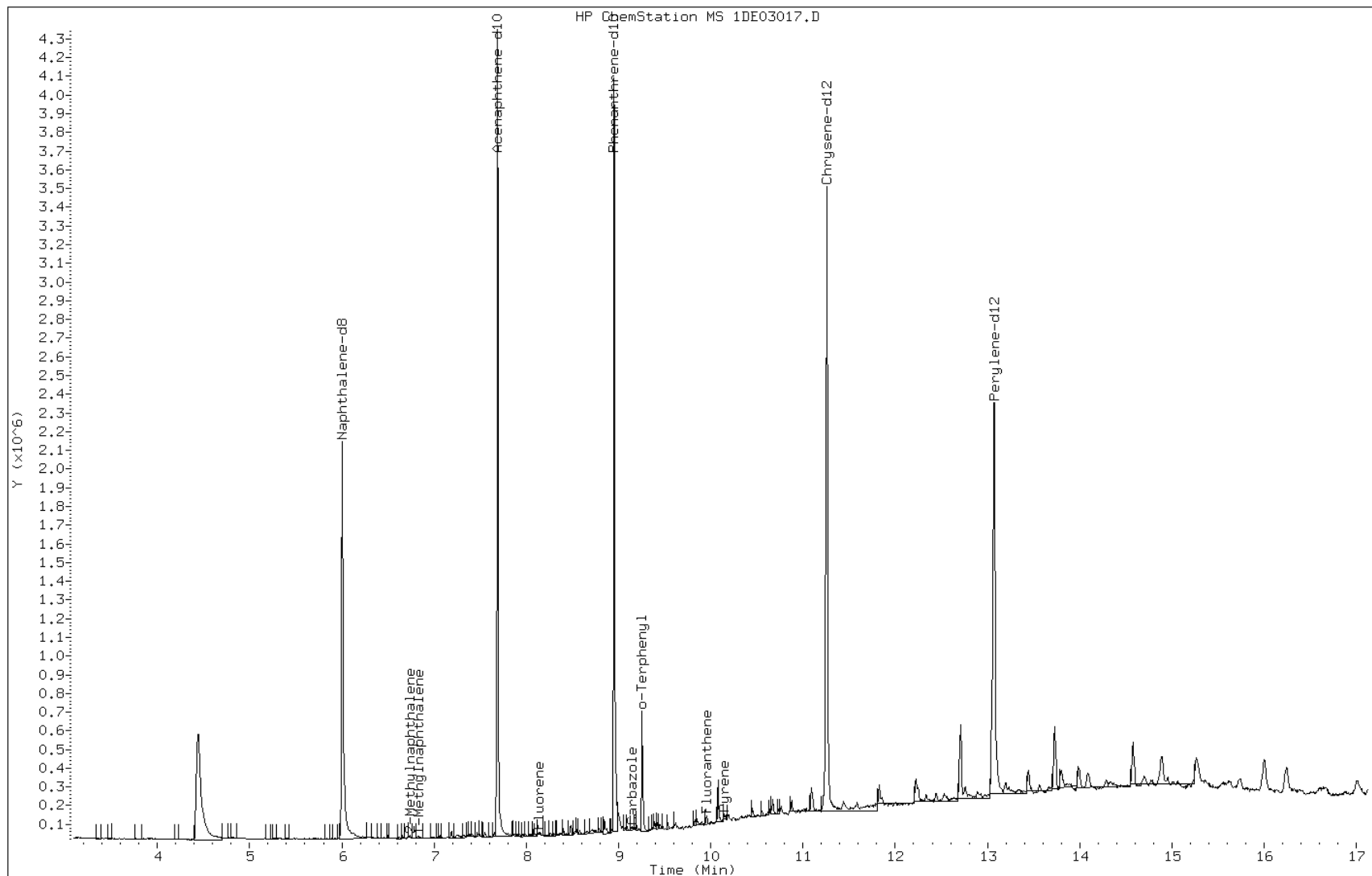
Date: 03-MAY-2013 15:59

Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

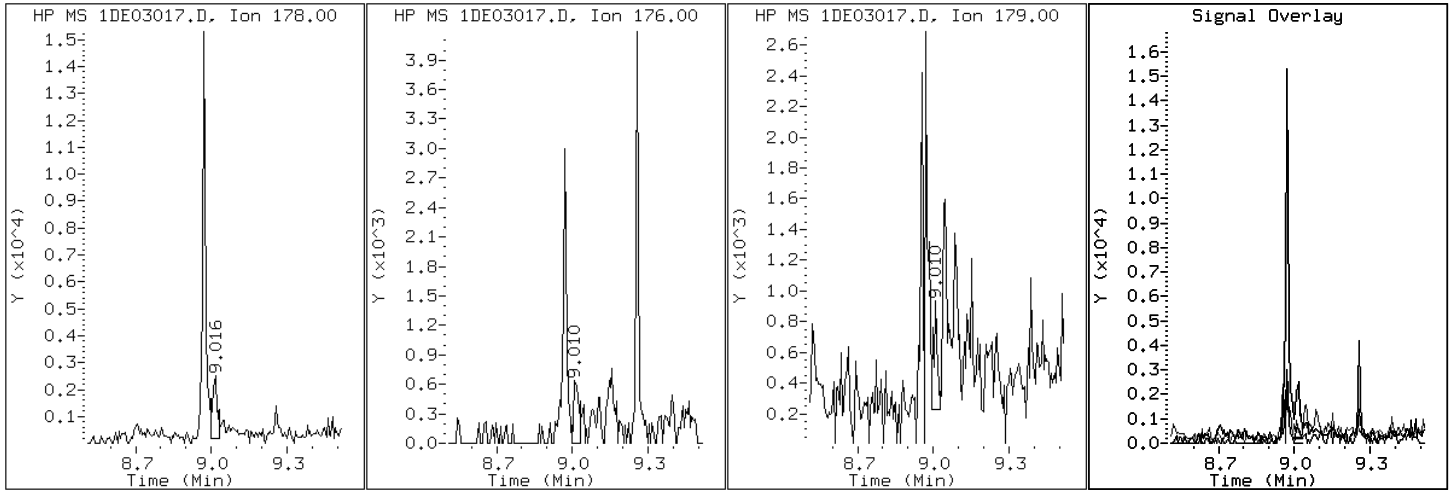
Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC

11 Anthracene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

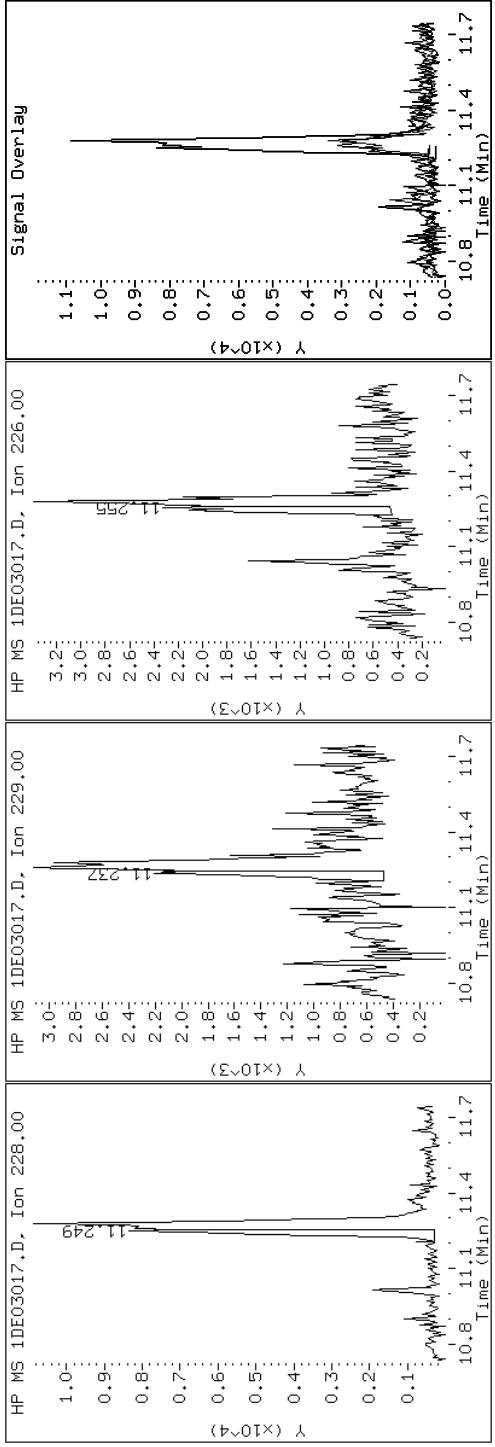
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

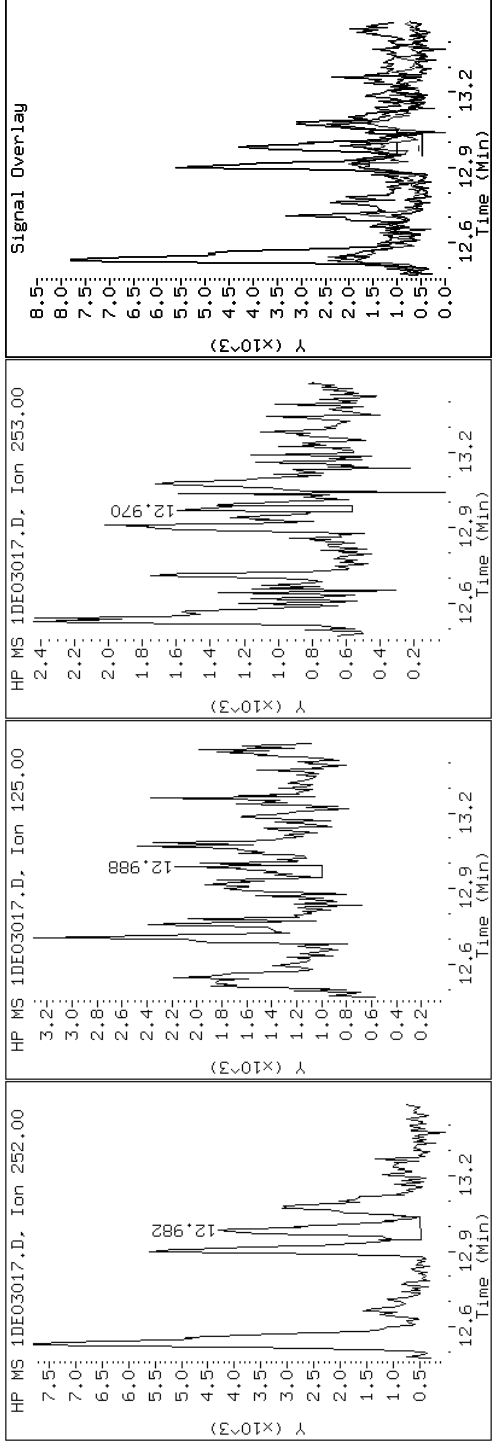
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

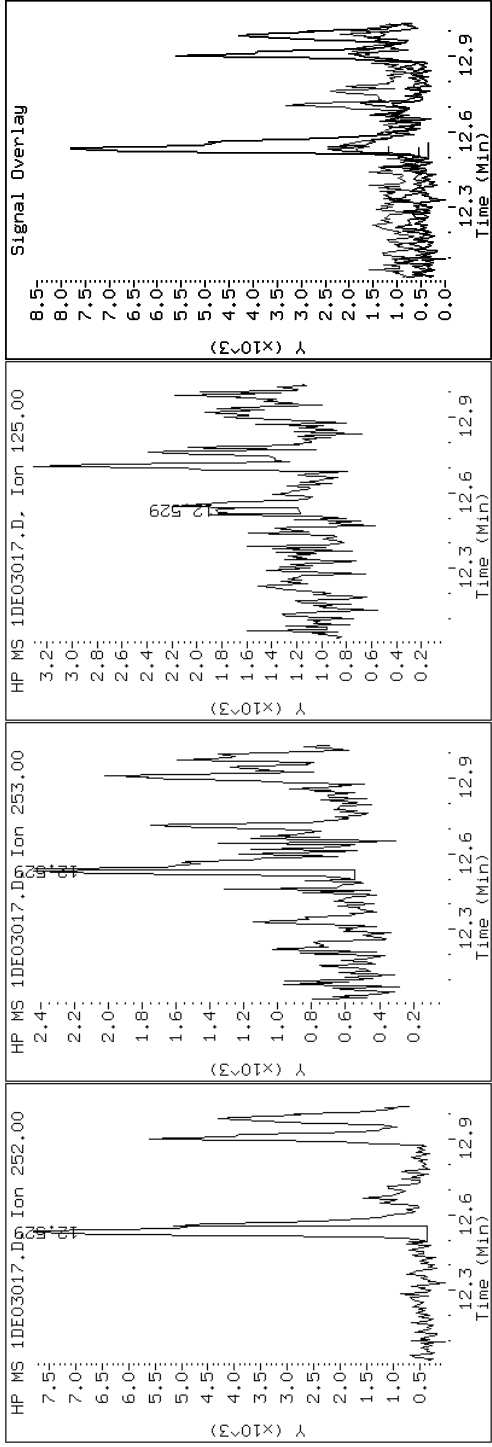
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

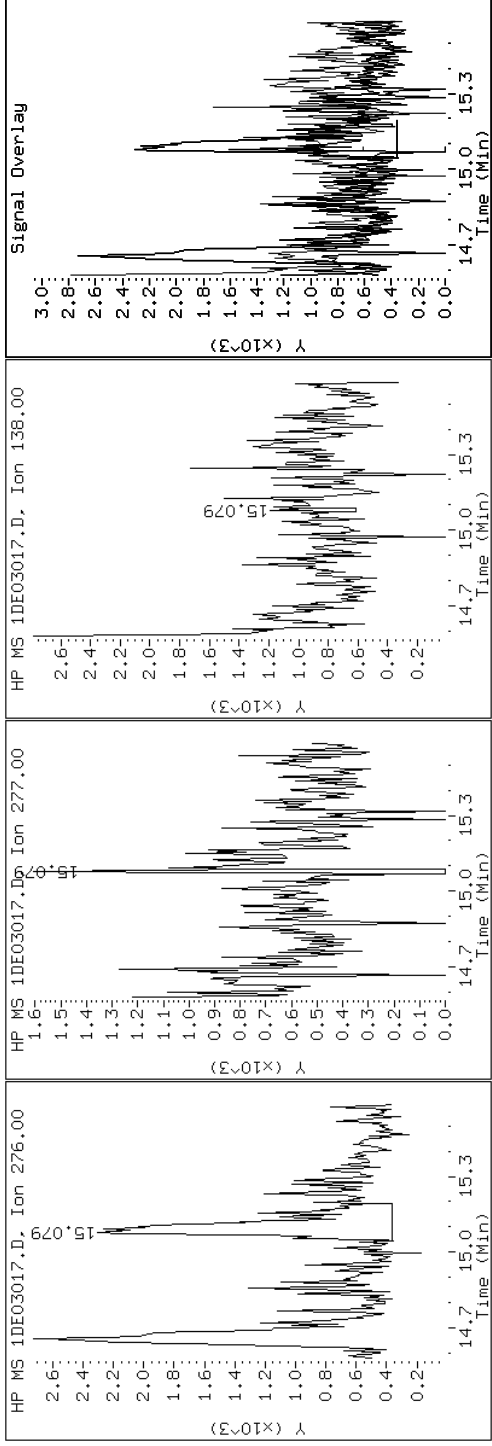
Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

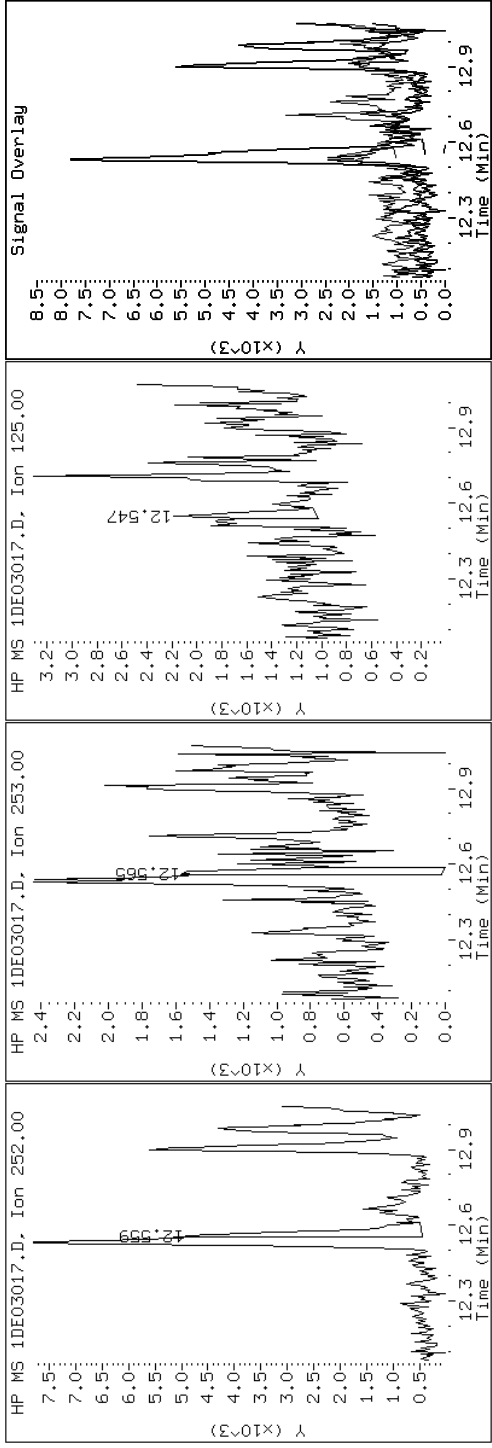
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

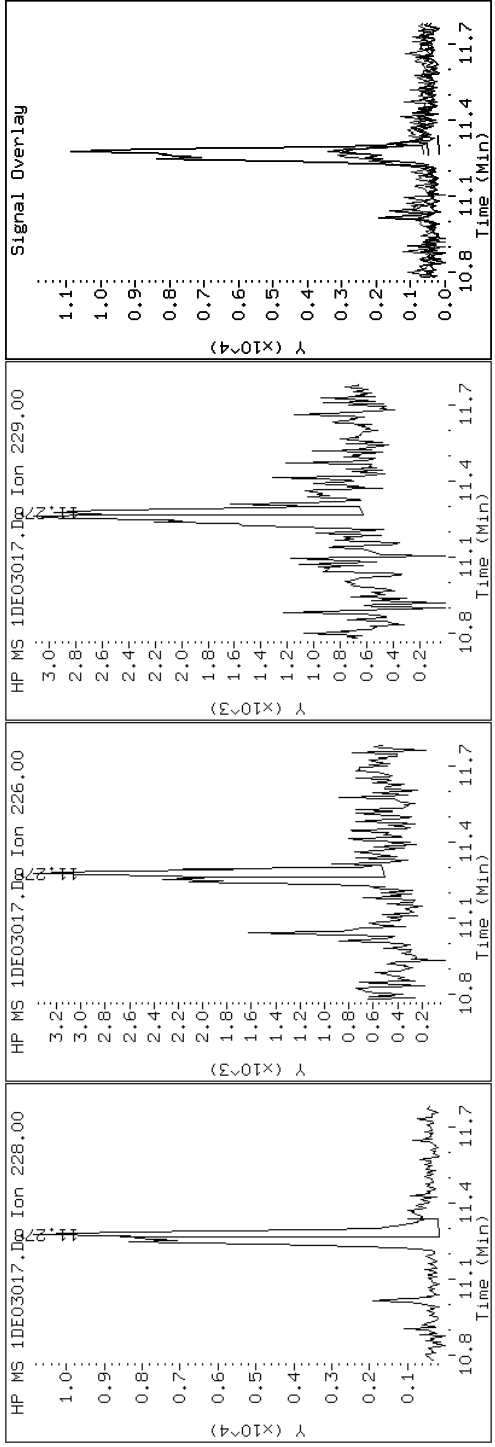
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

18 Chrysene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

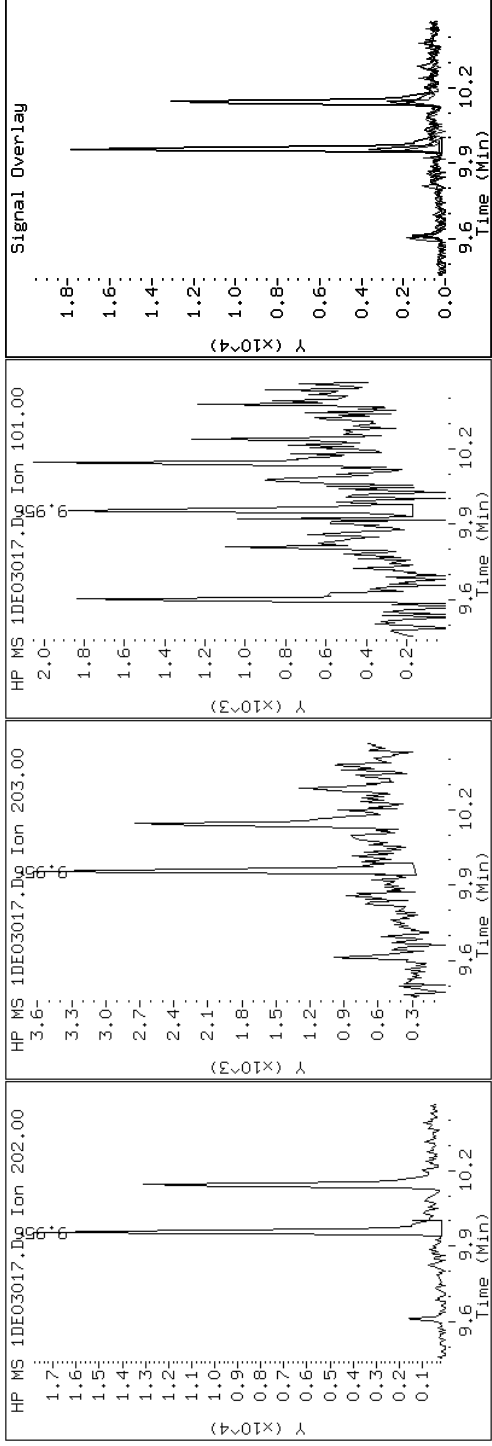
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

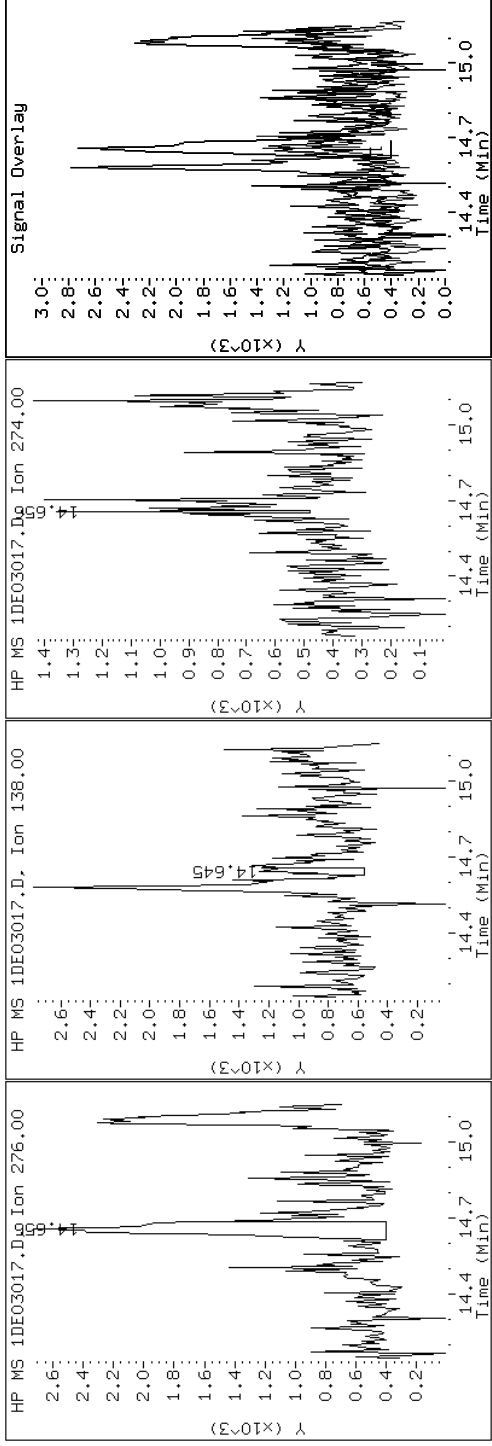
Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

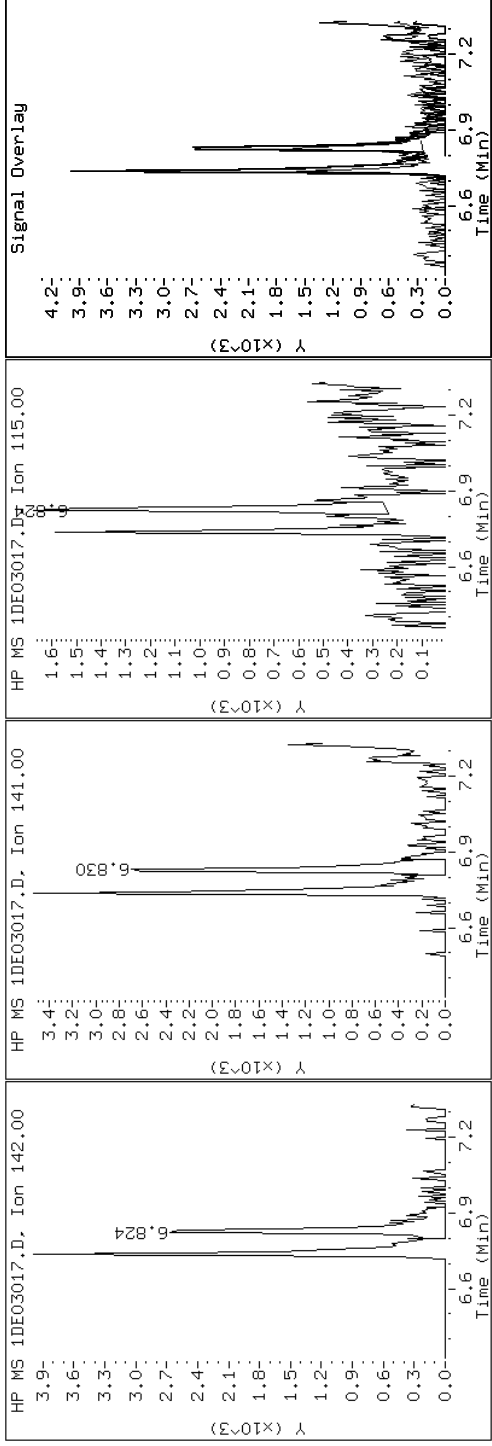
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

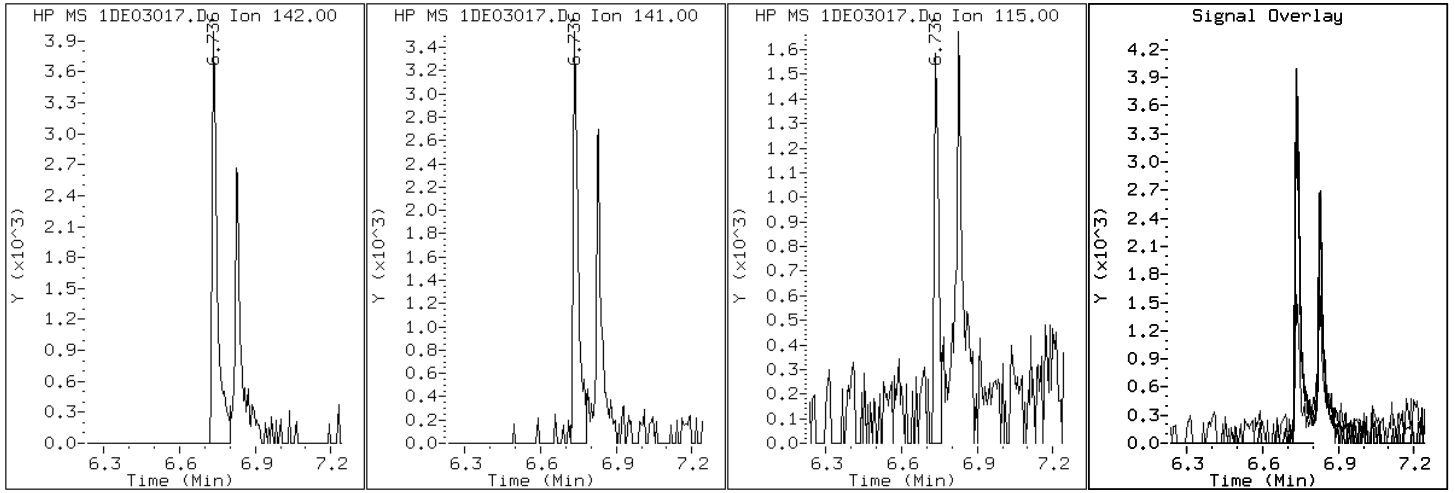
Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

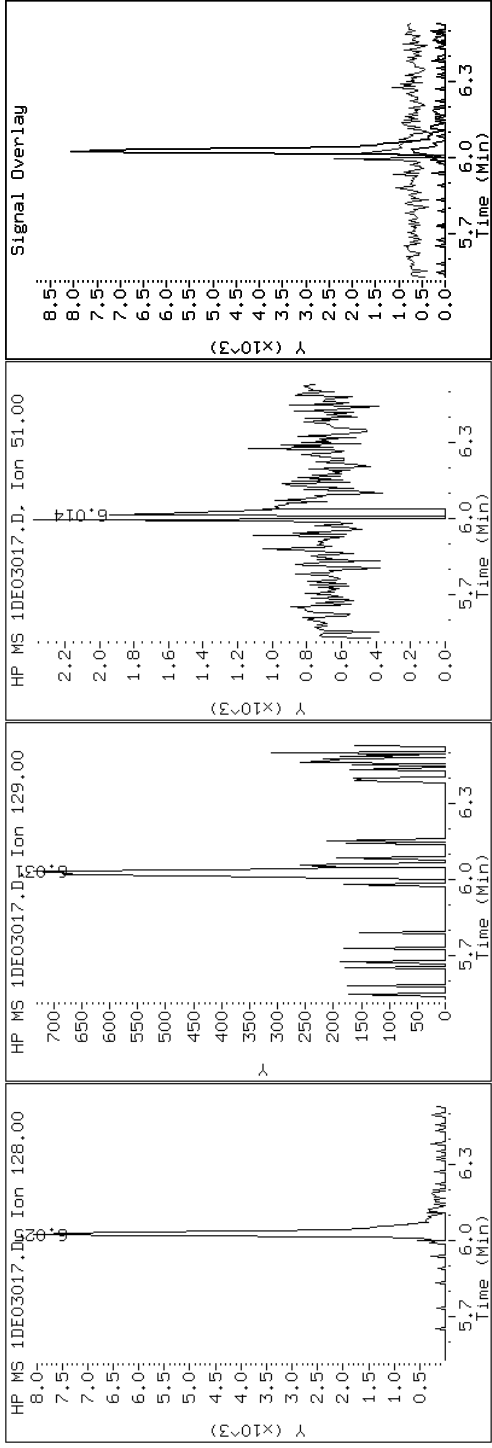
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

2 Naphthalene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

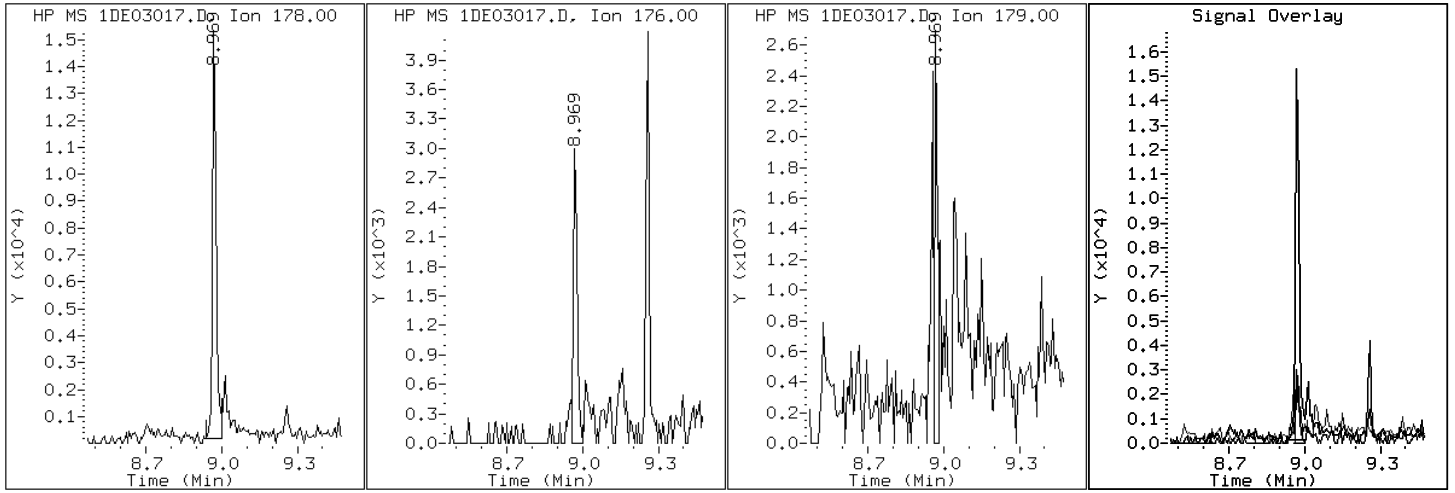
Client ID: FM0023C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-44-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03017.D

Date: 03-MAY-2013 15:59

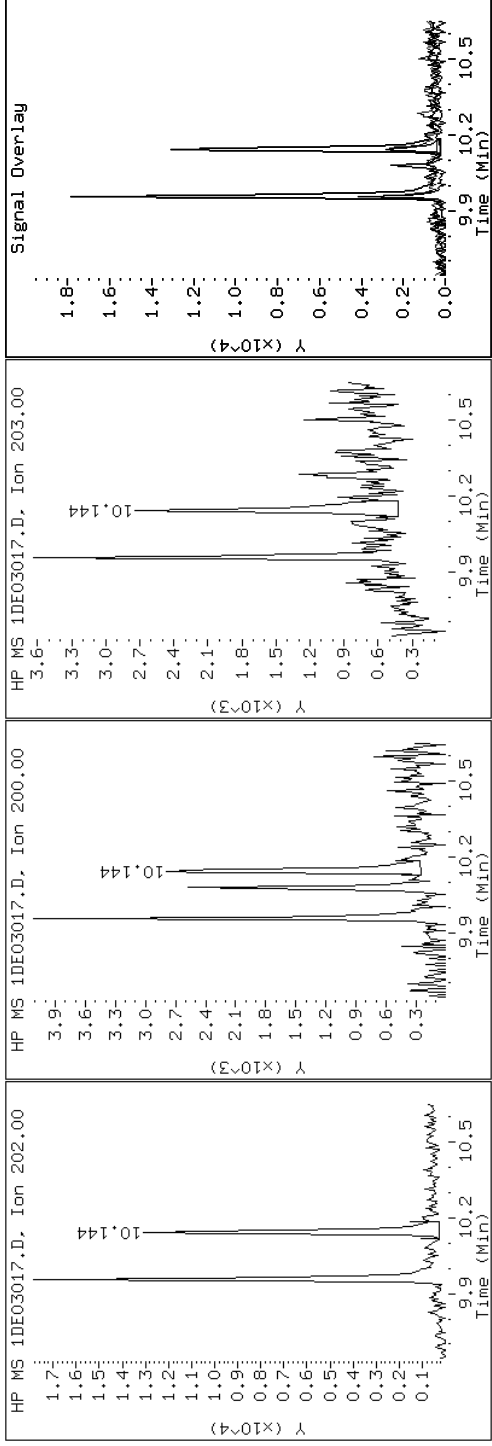
Client ID: FM0023C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-44-a

Operator: SCC

15 Pyrene

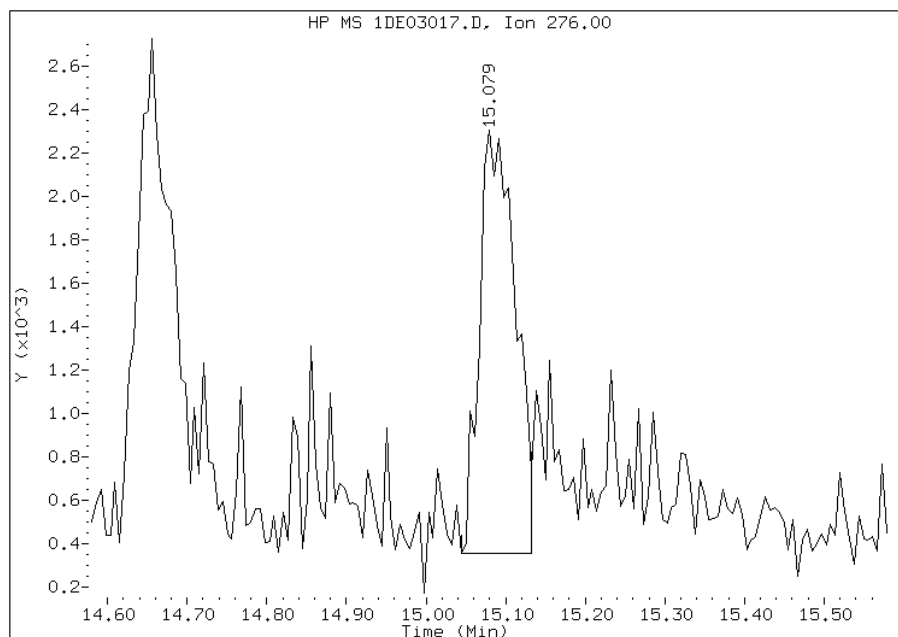


Manual Integration Report

Data File: 1DE03017.D
Inj. Date and Time: 03-MAY-2013 15:59
Instrument ID: BSMSD.i
Client ID: FM0023C-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

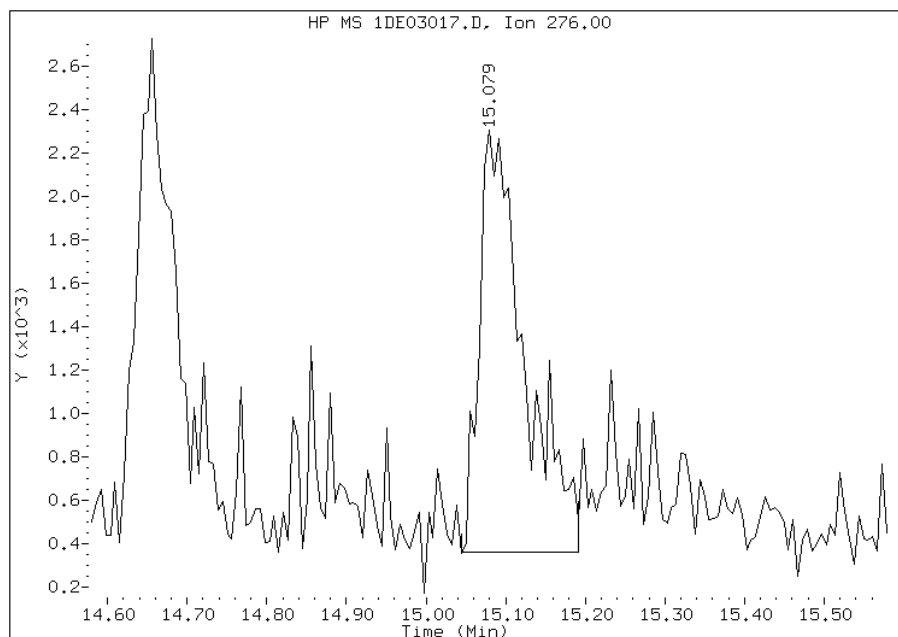
Processing Integration Results

RT: 15.08
Response: 6142
Amount: 0
Conc: 12



Manual Integration Results

RT: 15.08
Response: 7683
Amount: 0
Conc: 15



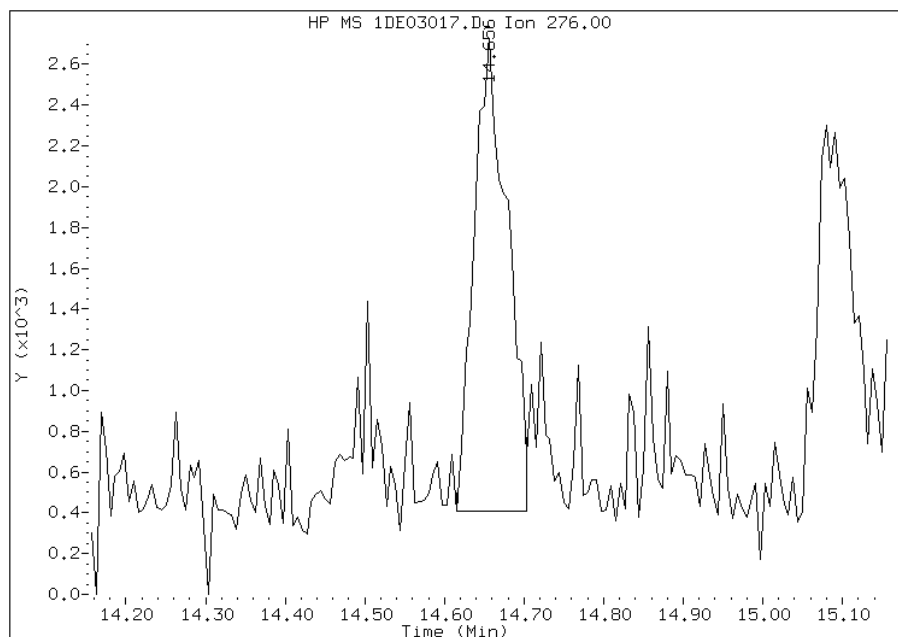
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:02
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03017.D
Inj. Date and Time: 03-MAY-2013 15:59
Instrument ID: BSMSD.i
Client ID: FM0023C-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

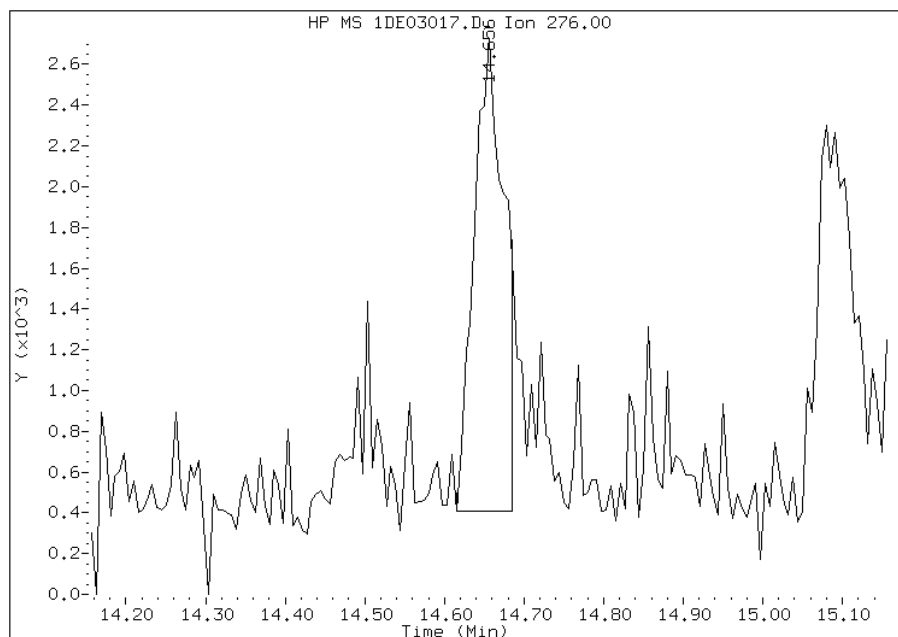
Processing Integration Results

RT: 14.66
Response: 6812
Amount: 0
Conc: 13



Manual Integration Results

RT: 14.66
Response: 6190
Amount: 0
Conc: 12



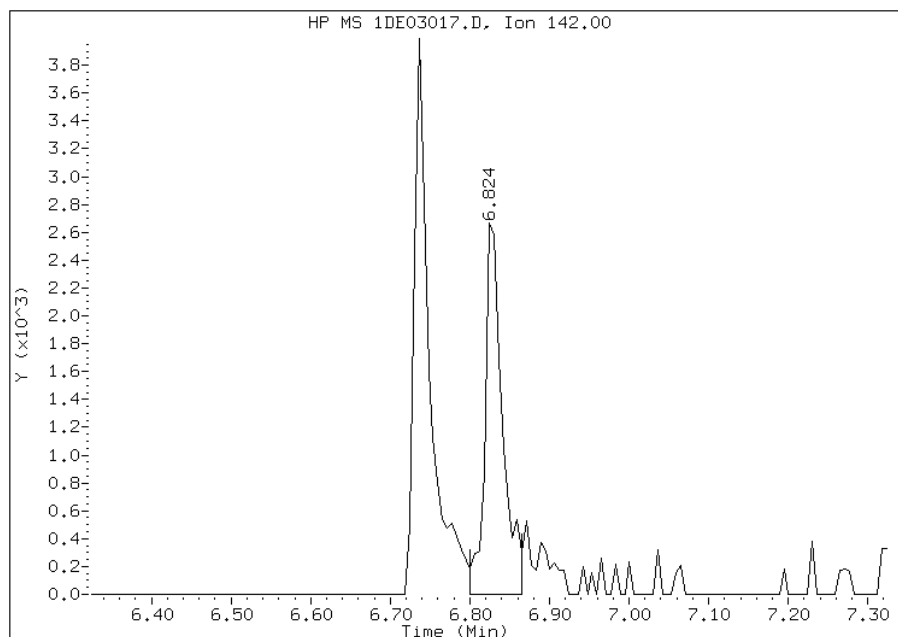
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:03
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03017.D
Inj. Date and Time: 03-MAY-2013 15:59
Instrument ID: BSMSD.i
Client ID: FM0023C-CS-SP
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

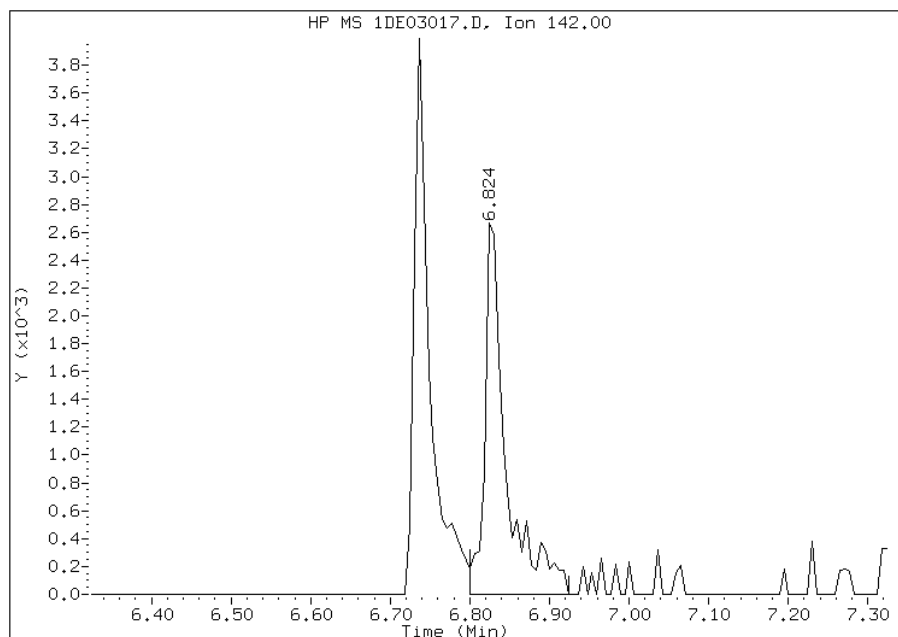
Processing Integration Results

RT: 6.82
Response: 4078
Amount: 0
Conc: 16



Manual Integration Results

RT: 6.82
Response: 4910
Amount: 0
Conc: 19



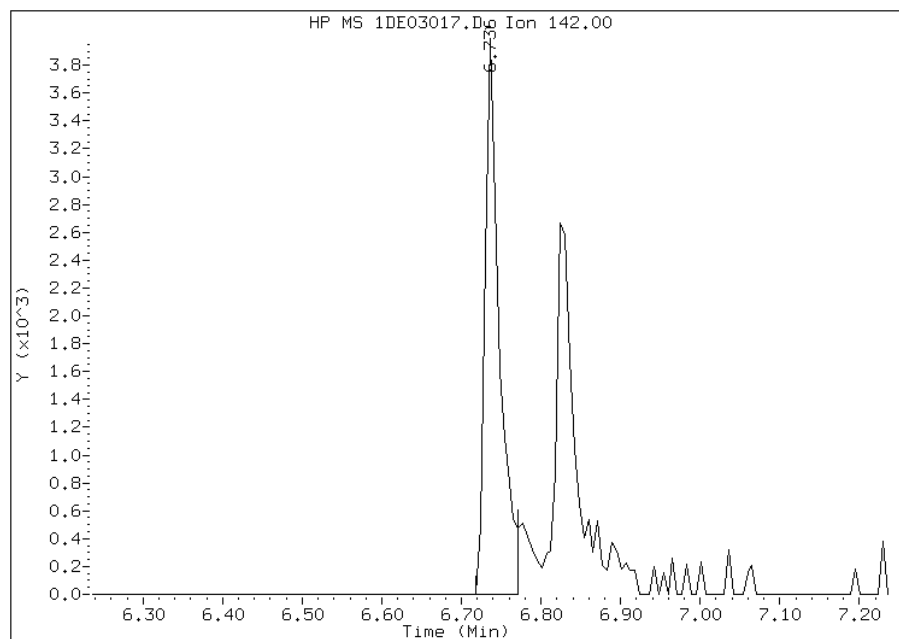
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:01
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03017.D
Inj. Date and Time: 03-MAY-2013 15:59
Instrument ID: BSMSD.i
Client ID: FM0023C-CS-SP
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

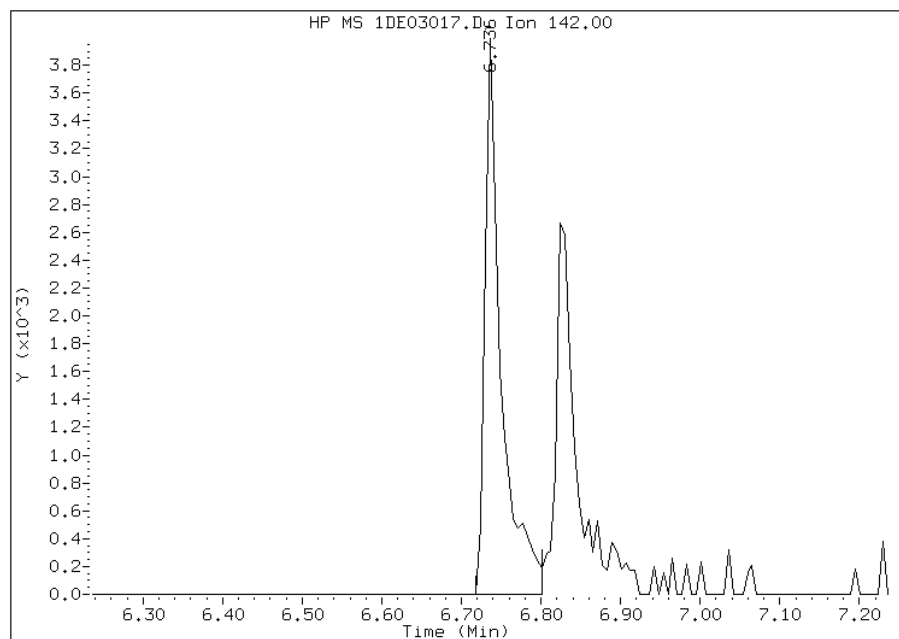
Processing Integration Results

RT: 6.74
Response: 5036
Amount: 0
Conc: 18



Manual Integration Results

RT: 6.74
Response: 5626
Amount: 0
Conc: 20



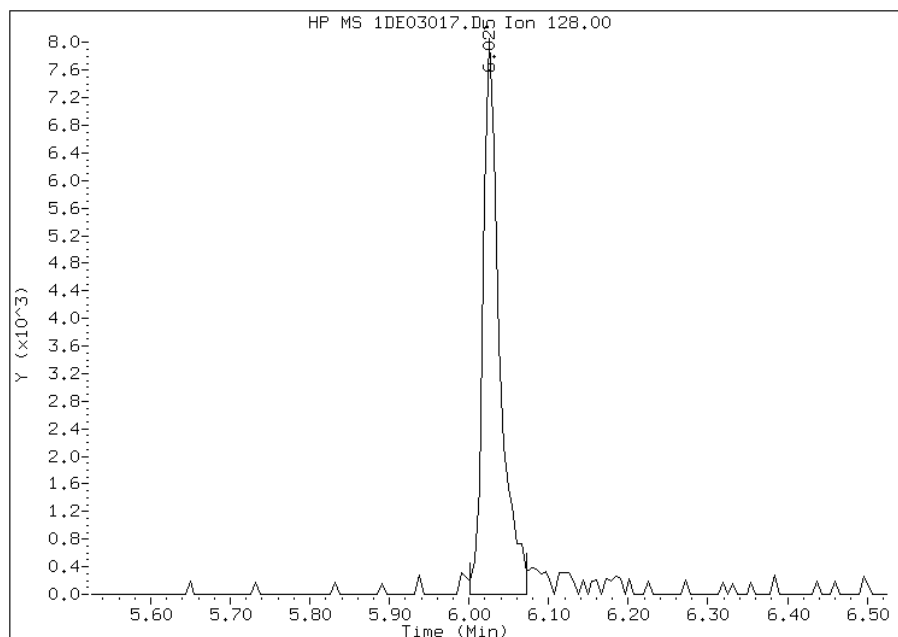
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:01
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03017.D
Inj. Date and Time: 03-MAY-2013 15:59
Instrument ID: BSMSD.i
Client ID: FM0023C-CS-SP
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

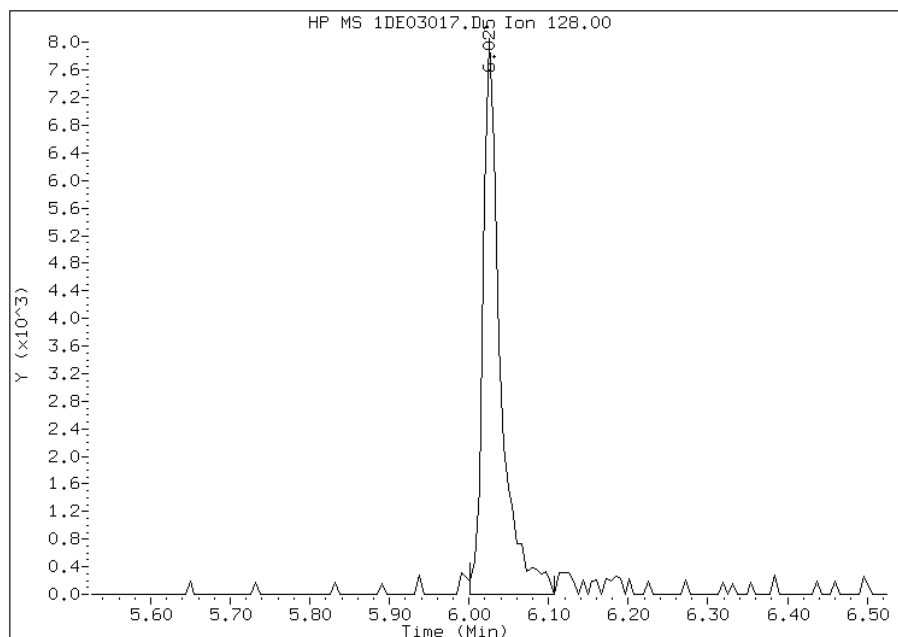
Processing Integration Results

RT: 6.03
Response: 11623
Amount: 0
Conc: 27



Manual Integration Results

RT: 6.03
Response: 12175
Amount: 0
Conc: 29



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:01
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: FM0245A-CS-SP Lab Sample ID: 680-89791-45
 Matrix: Solid Lab File ID: 1DE03018.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 15:57
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15.03(g) Date Analyzed: 05/03/2013 16:22
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 24.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	26
208-96-8	Acenaphthylene	13	J	53	6.6
120-12-7	Anthracene	23		11	5.5
56-55-3	Benzo[a]anthracene	55		11	5.1
50-32-8	Benzo[a]pyrene	56		14	6.8
205-99-2	Benzo[b]fluoranthene	90		16	8.0
191-24-2	Benzo[g,h,i]perylene	41		26	5.8
207-08-9	Benzo[k]fluoranthene	51		11	4.7
218-01-9	Chrysene	99		12	5.9
53-70-3	Dibenz(a,h)anthracene	12	J	26	5.4
206-44-0	Fluoranthene	90		26	5.3
86-73-7	Fluorene	6.3	J	26	5.4
193-39-5	Indeno[1,2,3-cd]pyrene	15	J	26	9.3
90-12-0	1-Methylnaphthalene	18	J	53	5.8
91-57-6	2-Methylnaphthalene	25	J	53	9.3
91-20-3	Naphthalene	32	J	53	5.8
85-01-8	Phenanthrene	46		11	5.1
129-00-0	Pyrene	74		26	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	40		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03018.D
 Lab Smp Id: 680-89791-A-45-A Client Smp ID: FM0245A-CS-SP
 Inj Date : 03-MAY-2013 16:22
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-45-a
 Misc Info : 680-89791-A-45-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	24.130	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.002	6.004	(1.000)	1387421	40.0000	
* 6 Acenaphthene-d10	164		7.689	7.690	(1.000)	896990	40.0000	
* 9 Phenanthrene-d10	188		8.952	8.953	(1.000)	1466411	40.0000	
\$ 13 o-Terphenyl	230		9.257	9.259	(1.034)	87678	3.96824	350
* 17 Chrysene-d12	240		11.255	11.257	(1.000)	1507158	40.0000	
* 22 Perylene-d12	264		13.071	13.066	(1.000)	1599075	40.0000	
2 Naphthalene	128		6.026	6.027	(1.004)	12413	0.35995	32(M)
3 2-Methylnaphthalene	142		6.737	6.738	(1.122)	6340	0.28480	25(M)
4 1-Methylnaphthalene	142		6.825	6.826	(1.137)	4325	0.20573	18(M)
5 Acenaphthylene	152		7.559	7.561	(0.983)	5655	0.14896	13(M)
8 Fluorene	166		8.165	8.160	(1.062)	2001	0.07211	6.3
10 Phenanthrene	178		8.970	8.971	(1.002)	21360	0.52882	46
11 Anthracene	178		9.011	9.012	(1.007)	10734	0.26775	23
12 Carbazole	167		9.158	9.159	(1.023)	4389	0.12412	11

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
14 Fluoranthene	202	9.957	9.958	(1.112)	42842	1.03072	90
15 Pyrene	202	10.145	10.146	(0.901)	38035	0.84037	74
16 Benzo(a)anthracene	228	11.243	11.239	(0.999)	27114	0.62224	54
18 Chrysene	228	11.279	11.280	(1.002)	46296	1.13310	99
19 Benzo(b)fluoranthene	252	12.530	12.526	(0.959)	41042	1.02746	90
20 Benzo(k)fluoranthene	252	12.559	12.567	(0.961)	24347	0.57855	51
21 Benzo(a)pyrene	252	12.977	12.978	(0.993)	25485	0.63497	56
23 Indeno(1,2,3-cd)pyrene	276	14.645	14.647	(1.120)	7501	0.17527	15(M)
24 Dibenzo(a,h)anthracene	278	14.657	14.670	(1.121)	5722	0.14198	12(M)
25 Benzo(g,h,i)perylene	276	15.092	15.081	(1.155)	19380	0.47031	41(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03018.D

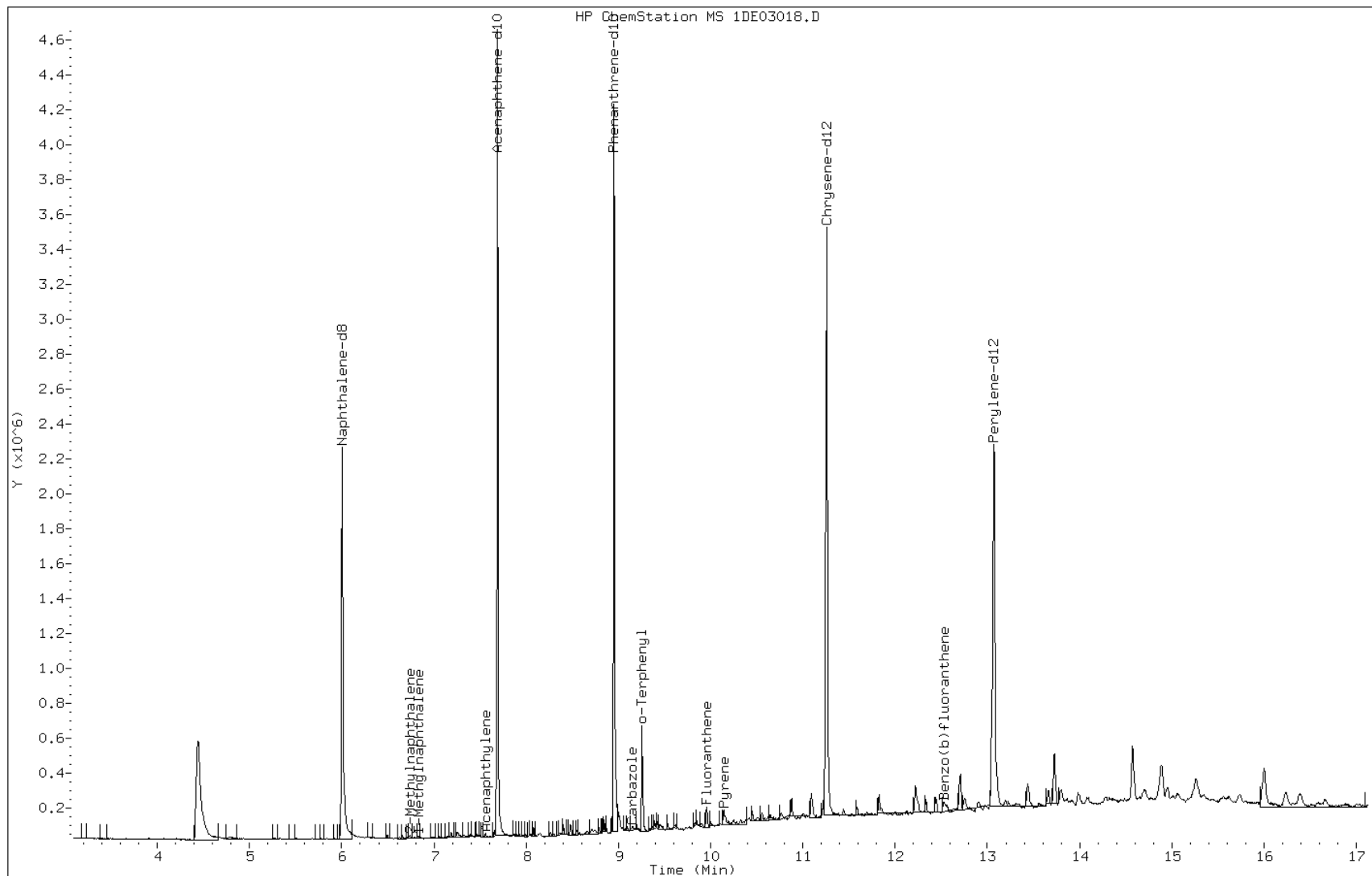
Date: 03-MAY-2013 16:22

Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

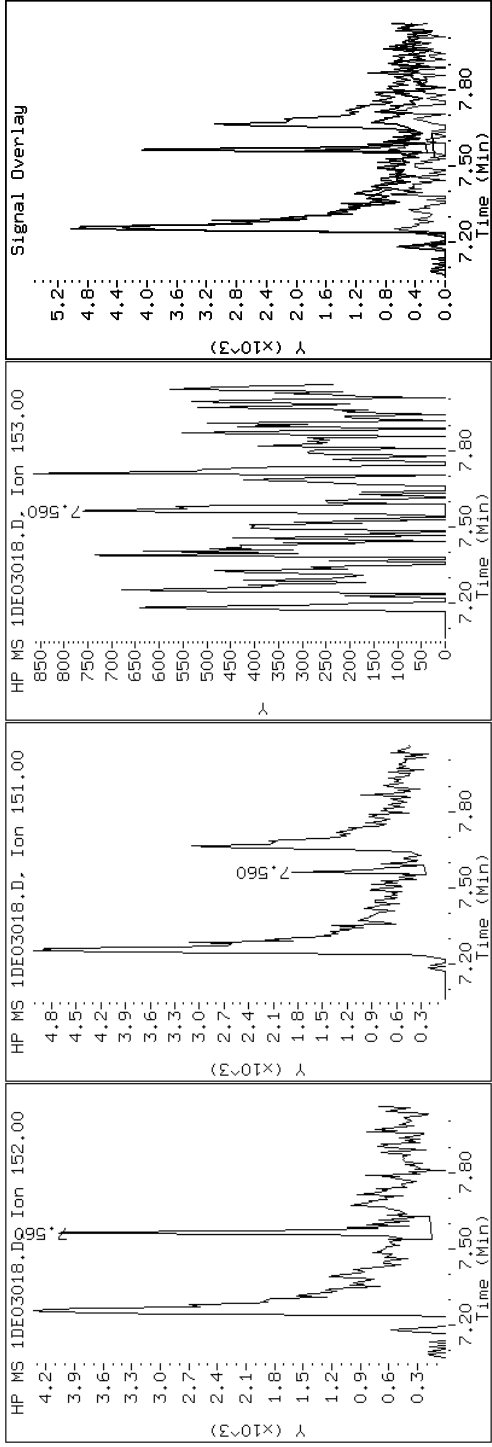
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

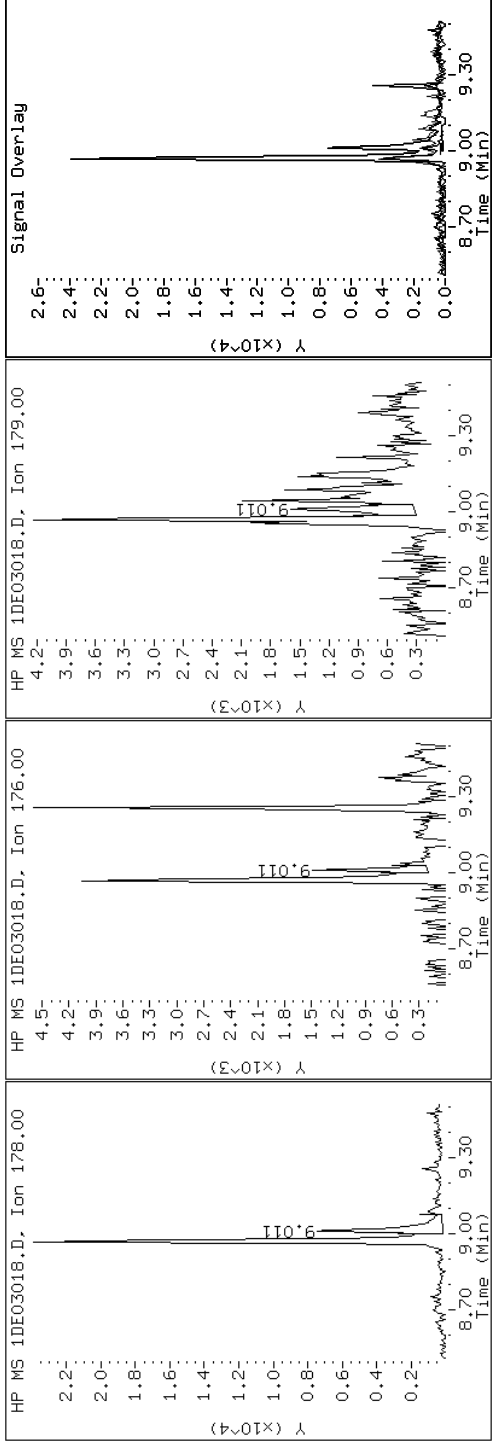
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

11 Anthracene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

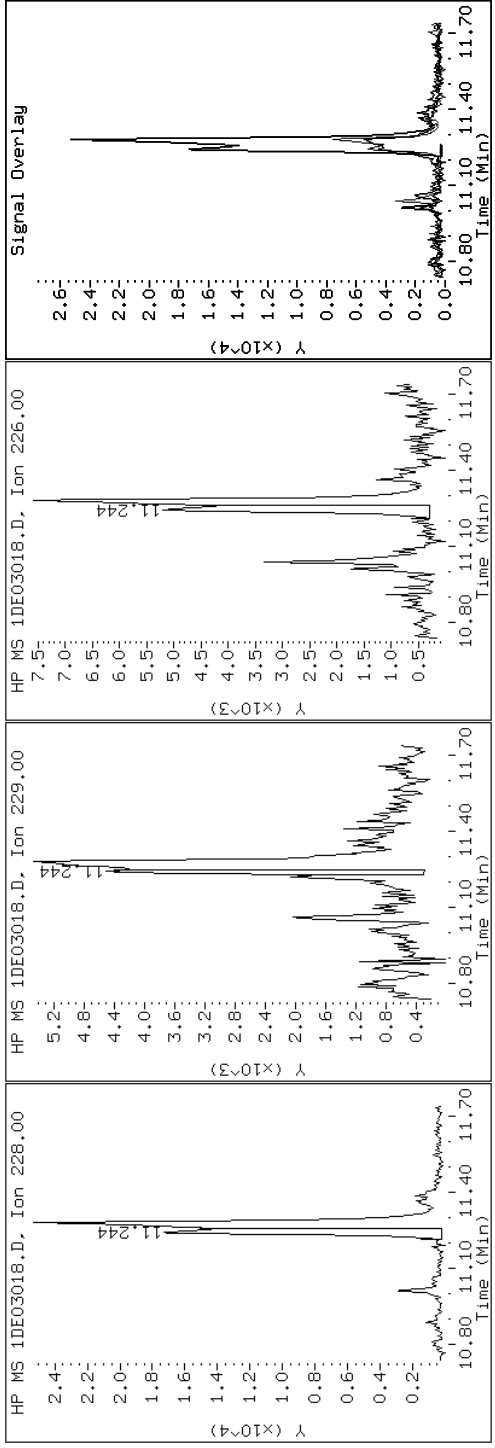
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

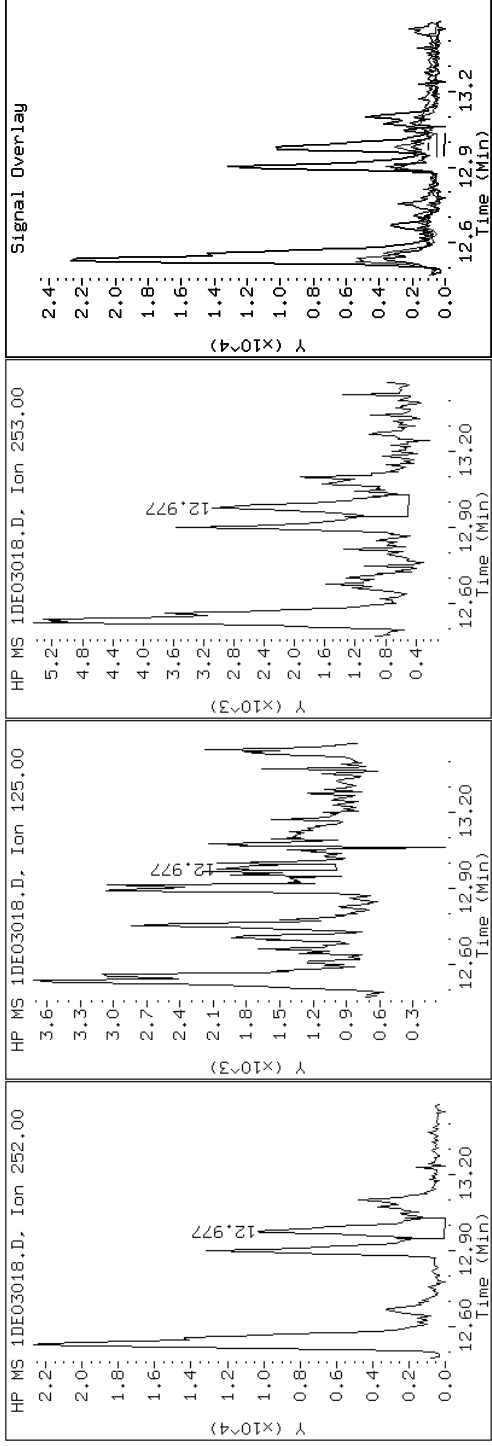
Client ID: FM0245A-CS-SP

Instrument: BSMMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

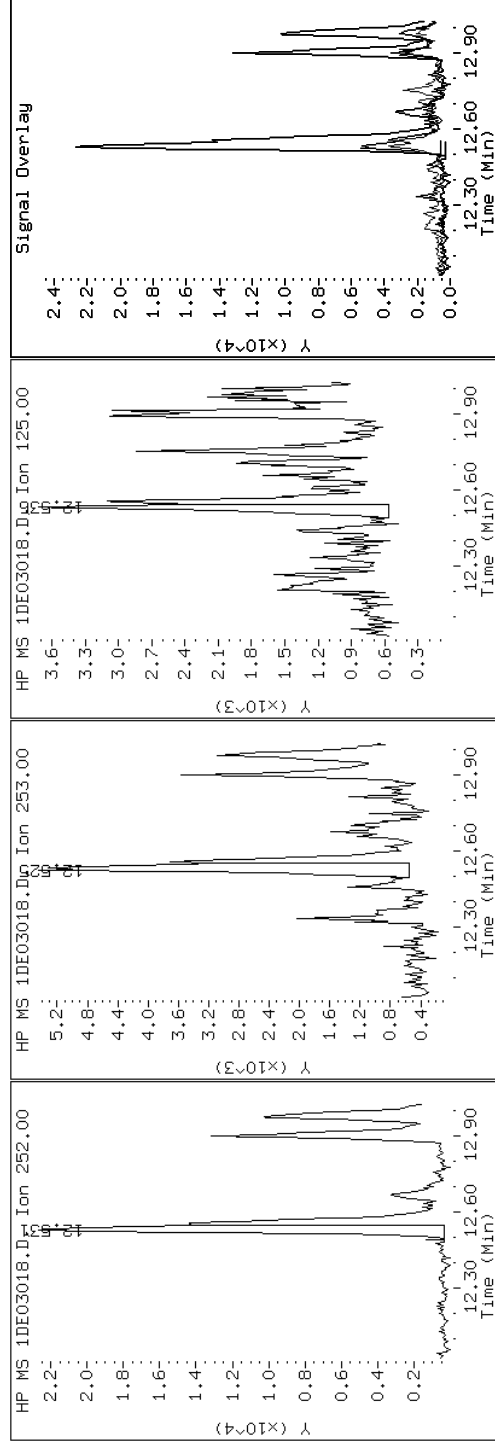
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

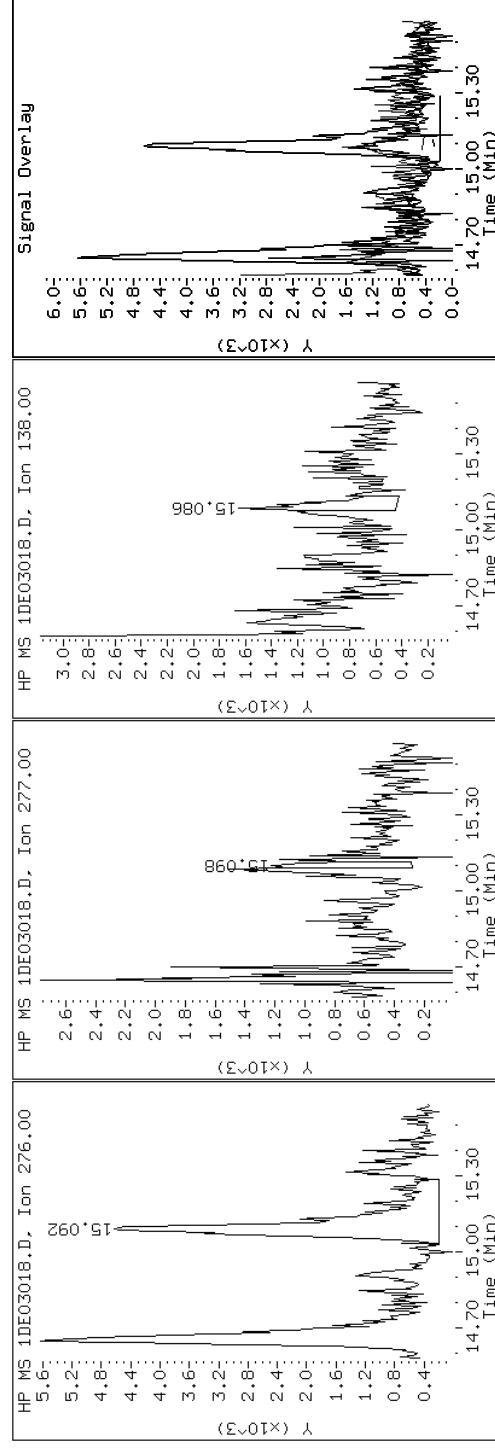
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

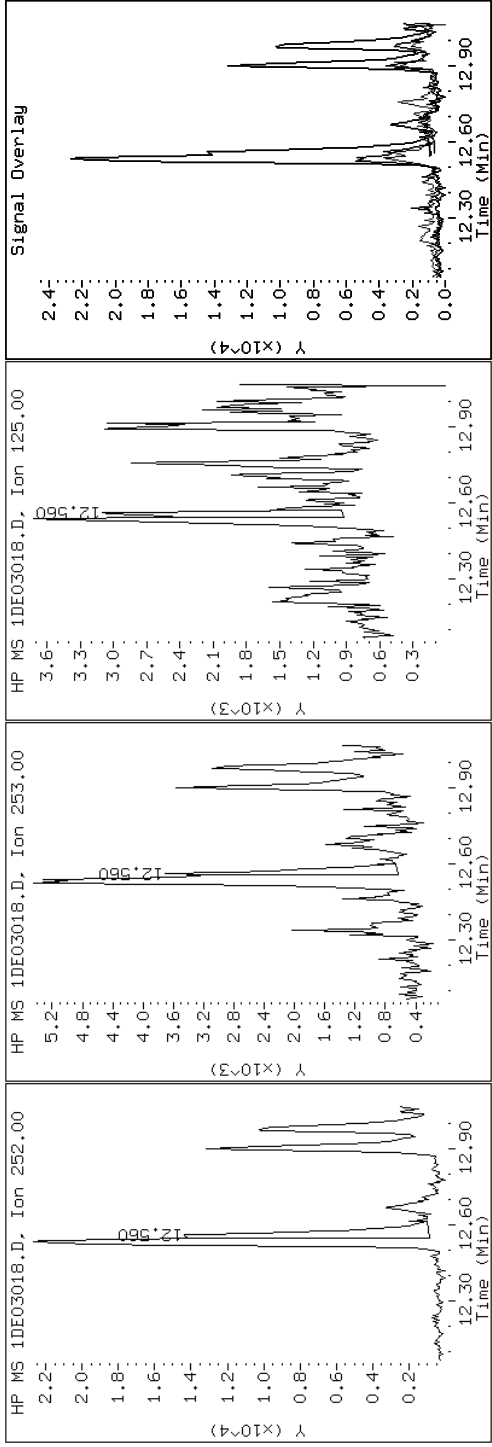
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

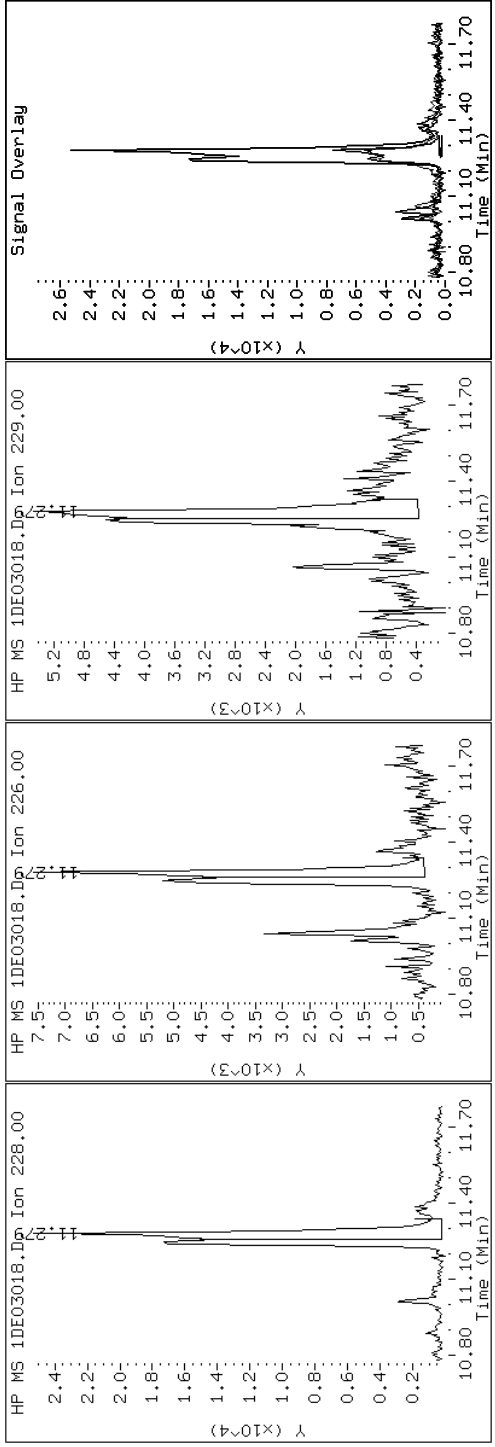
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

18 Chrysene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

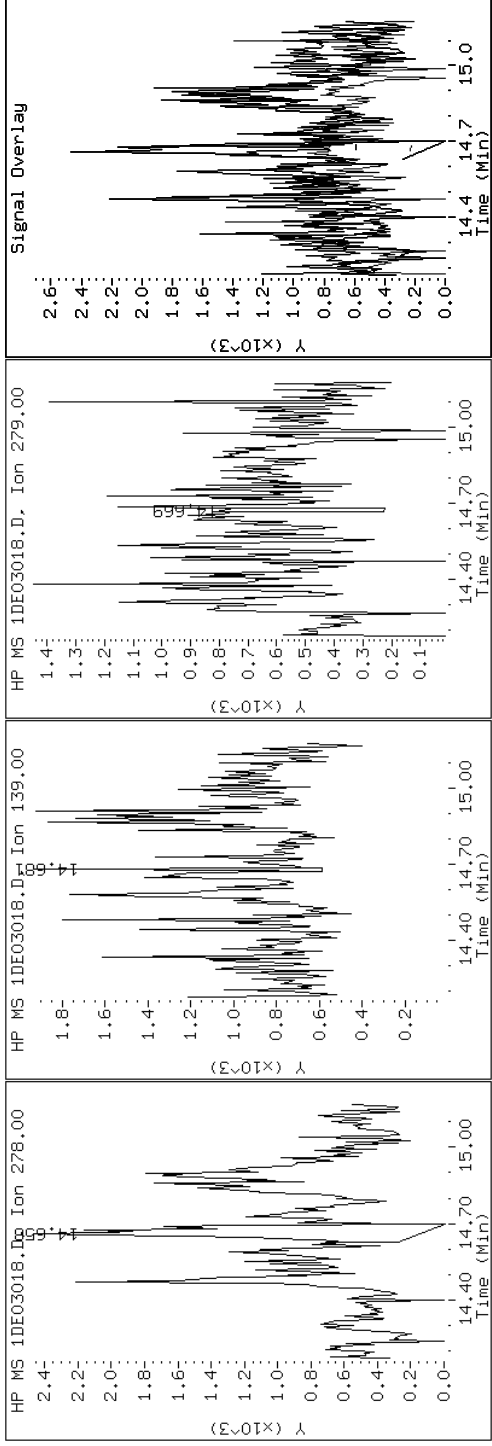
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

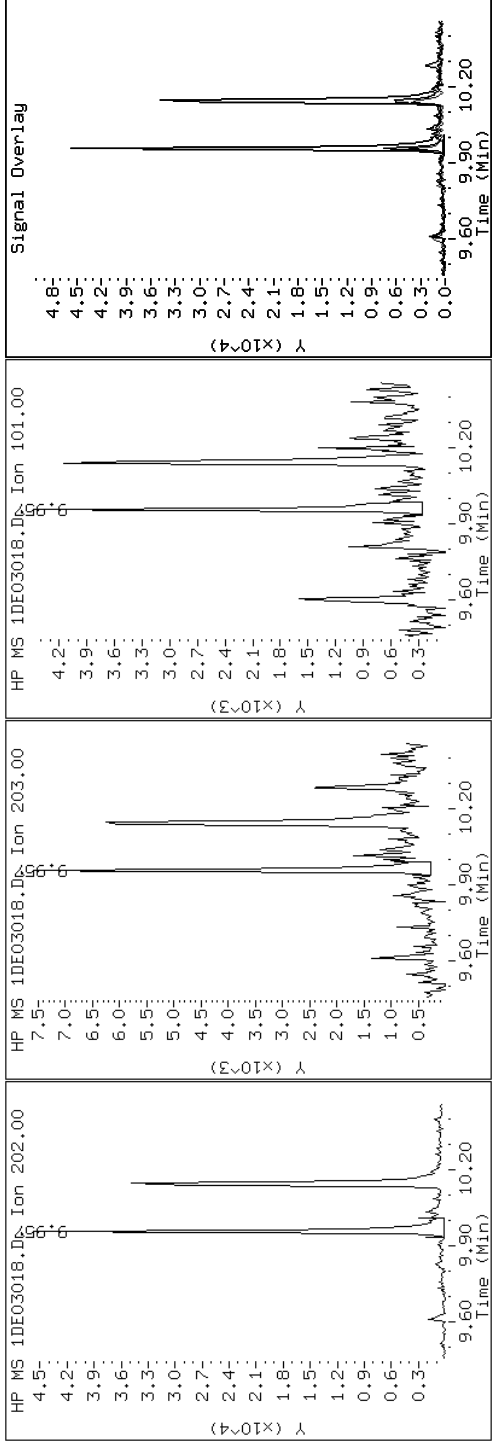
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

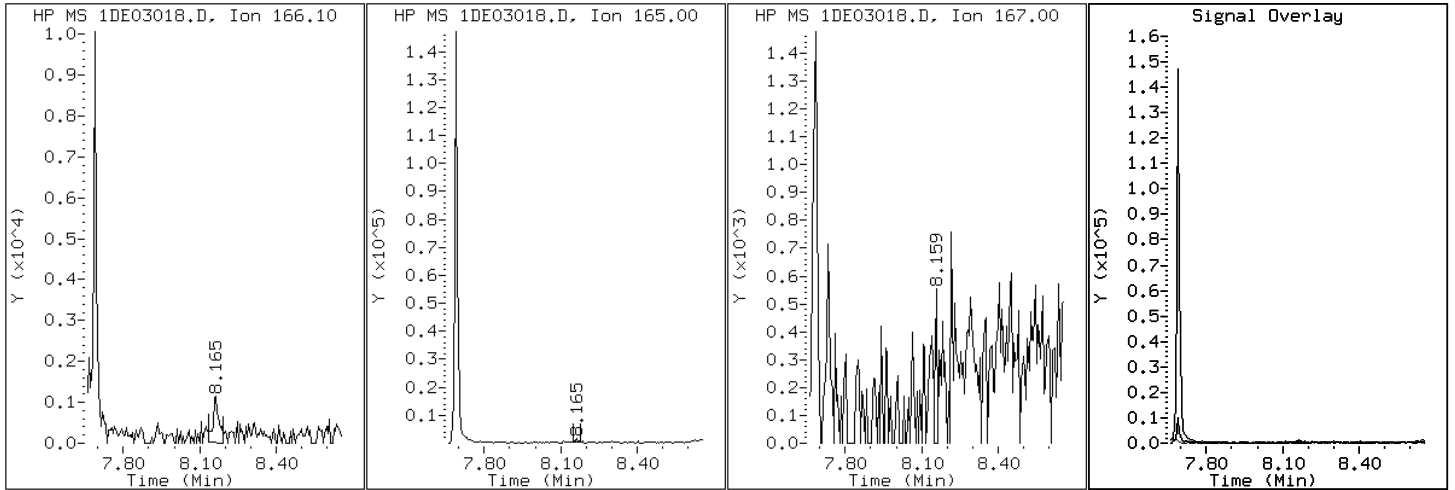
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

8 Fluorene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

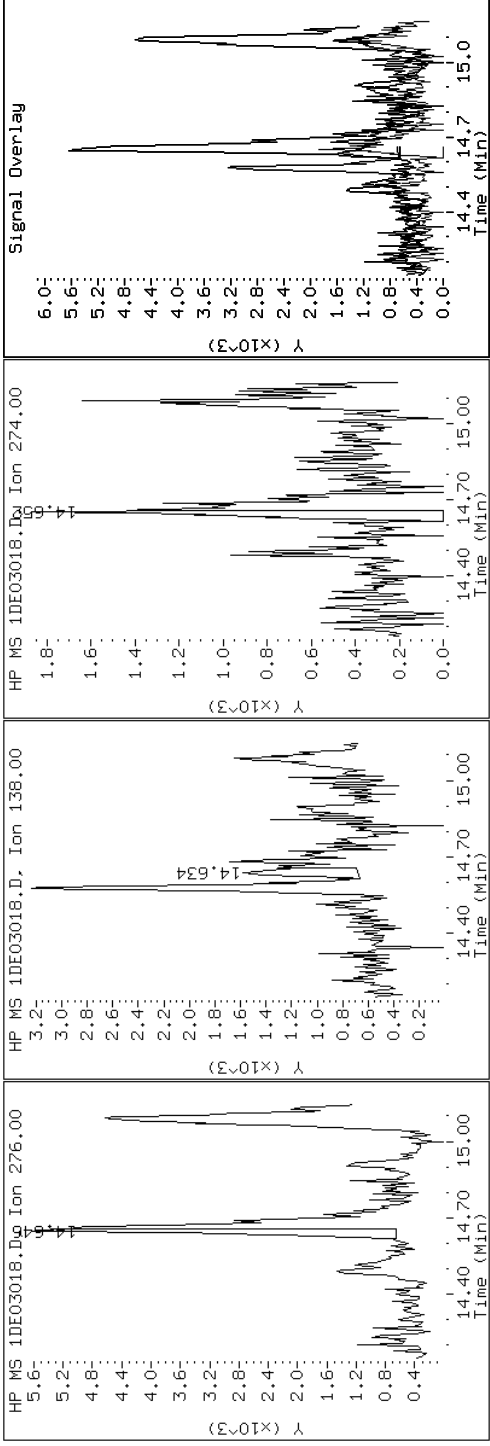
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

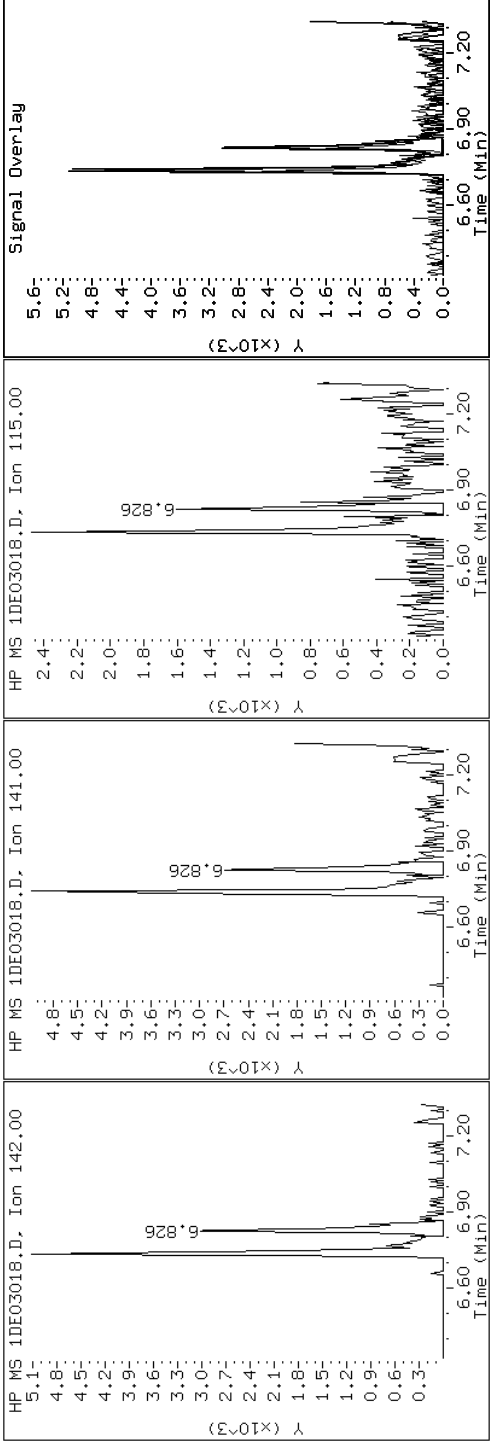
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

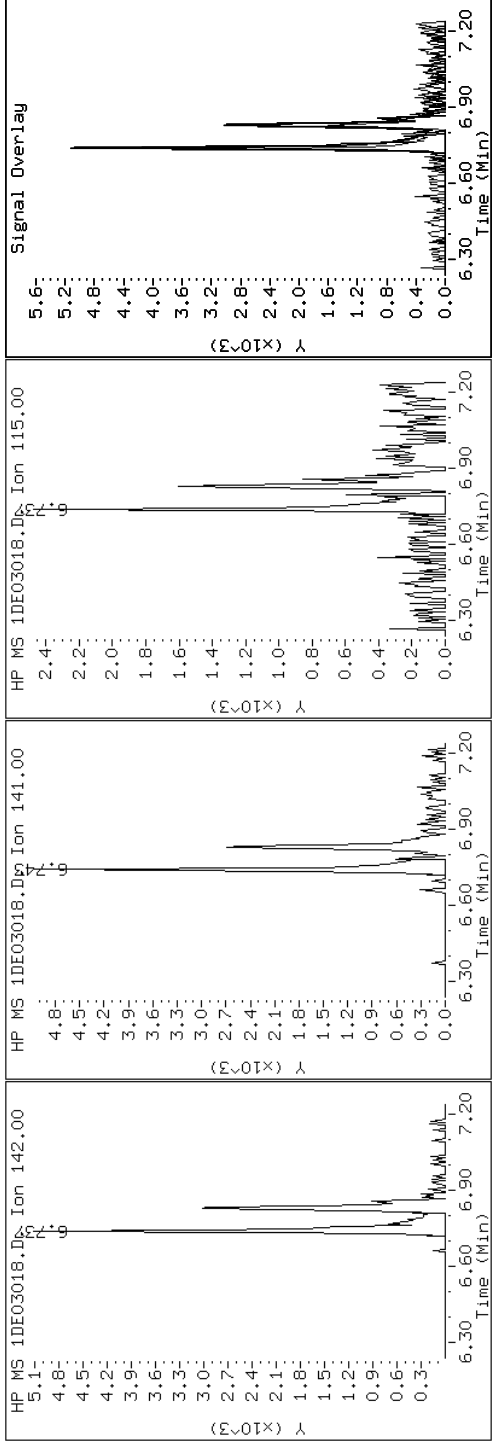
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

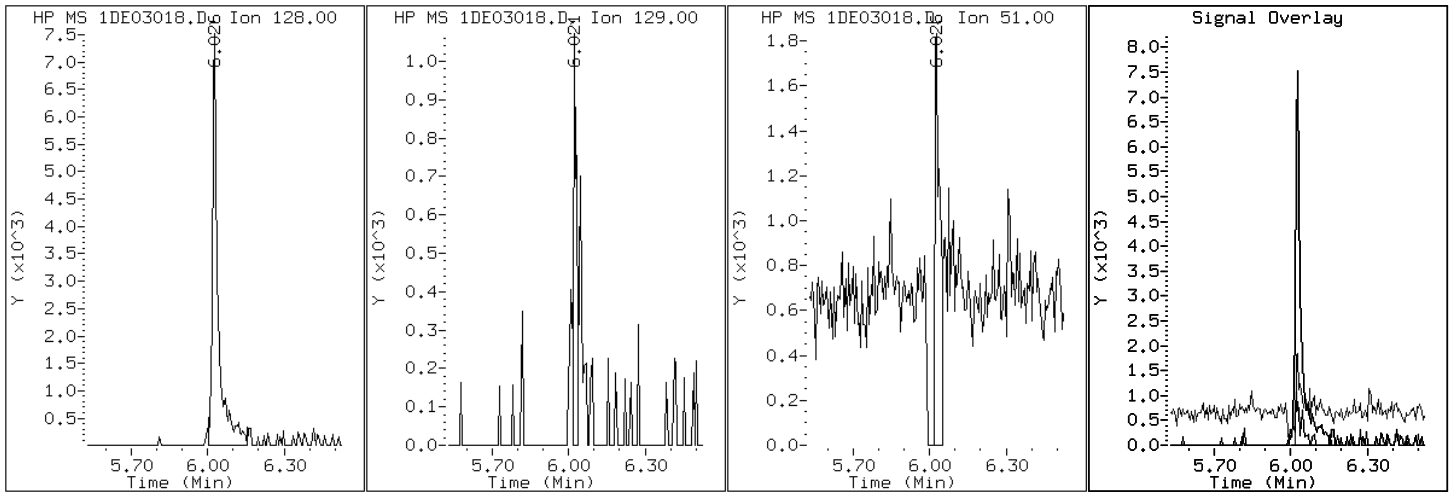
Client ID: FM0245A-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-45-a

Operator: SCC

2 Naphthalene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

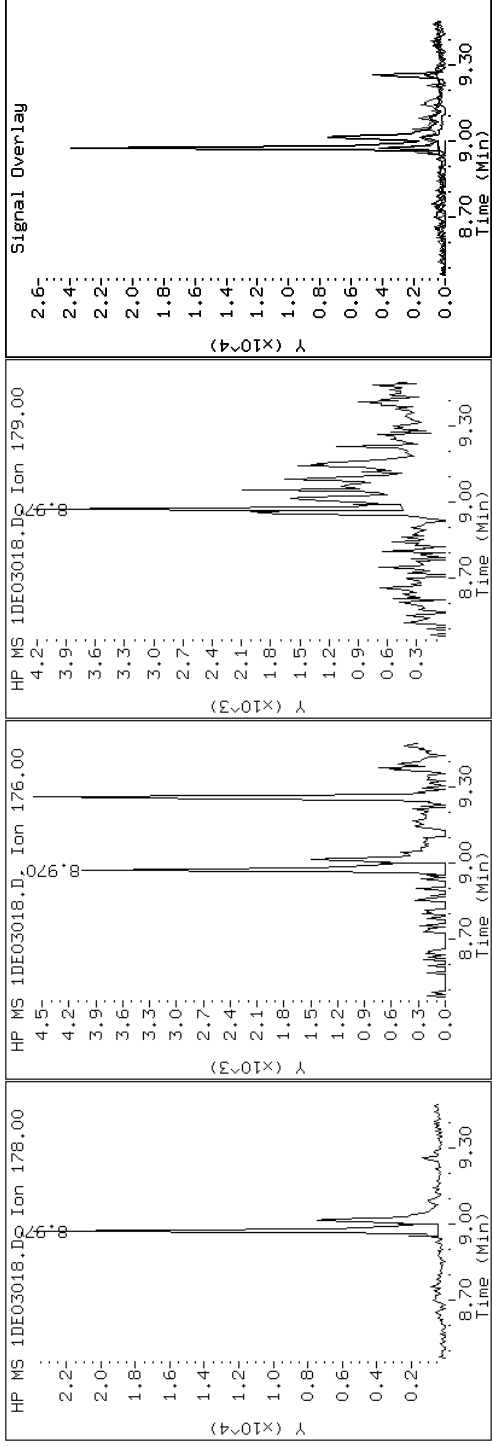
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03018.D

Date: 03-MAY-2013 16:22

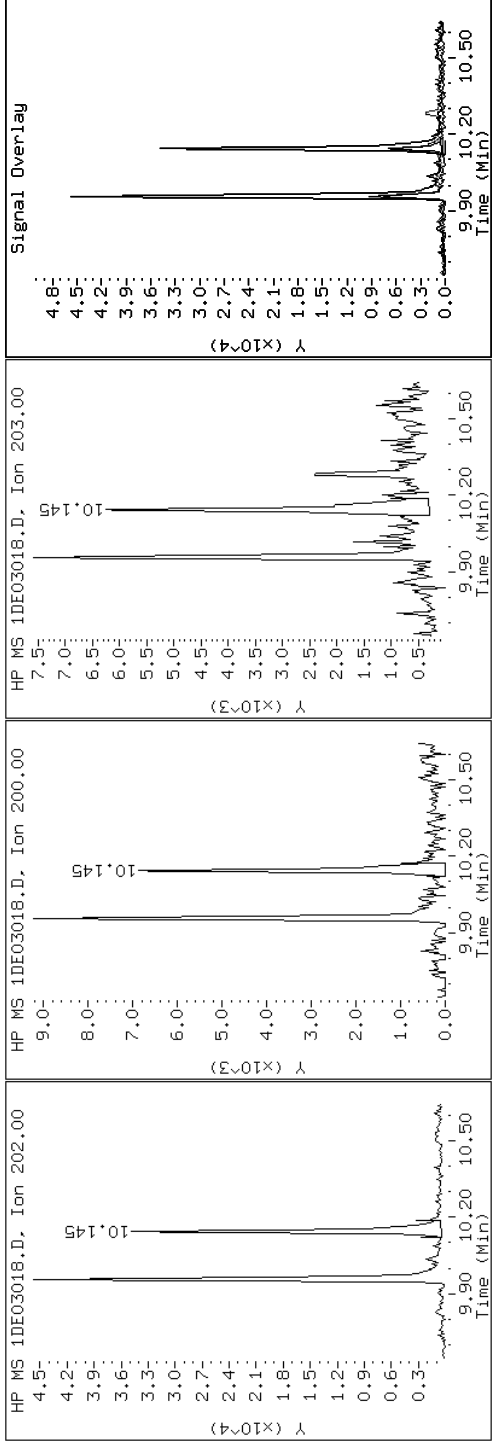
Client ID: FM0245A-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-45-a

Operator: SCC

15 Pyrene

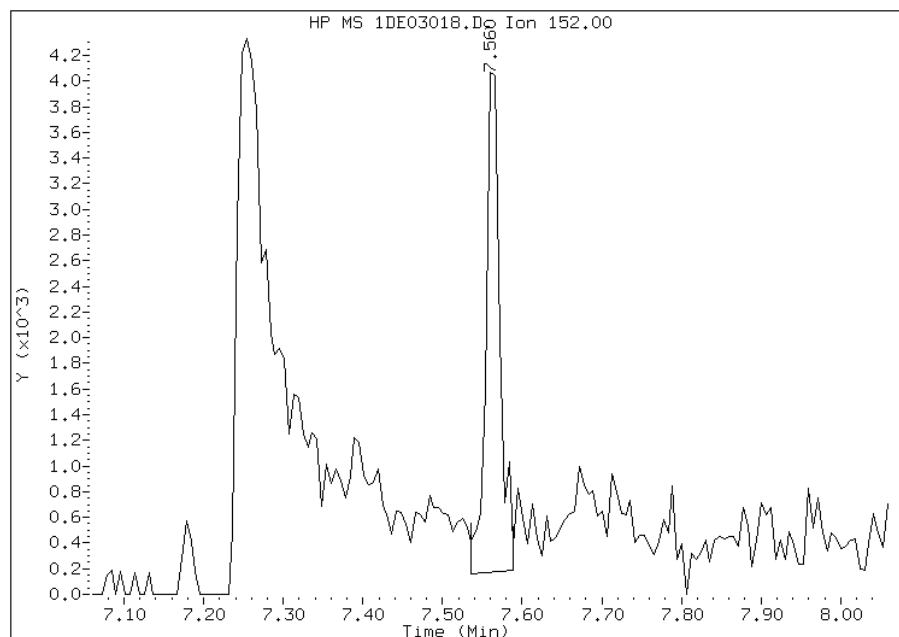


Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 5 Acenaphthylene
CAS #: 208-96-8
Report Date: 05/06/2013

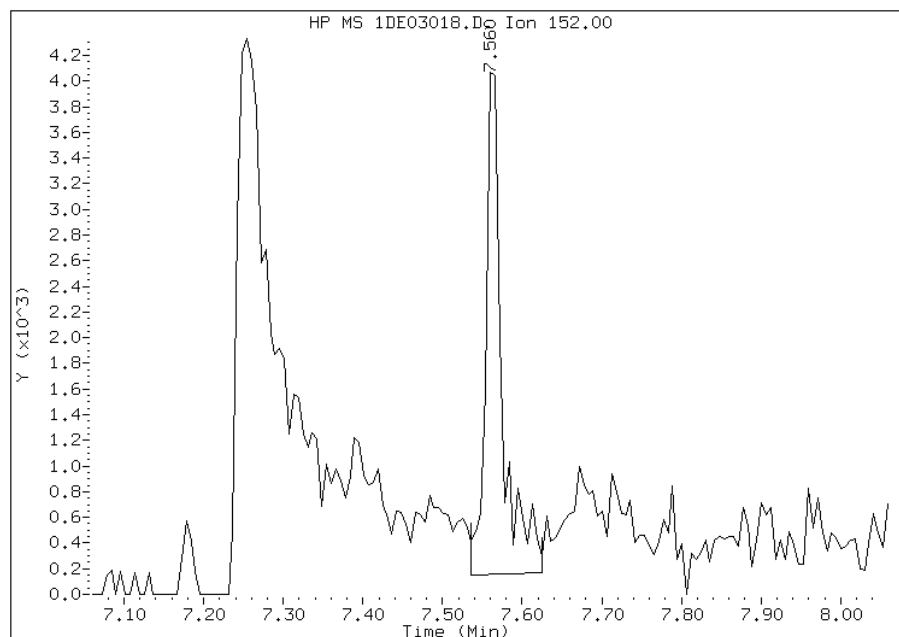
Processing Integration Results

RT: 7.56
Response: 4820
Amount: 0
Conc: 11



Manual Integration Results

RT: 7.56
Response: 5655
Amount: 0
Conc: 13



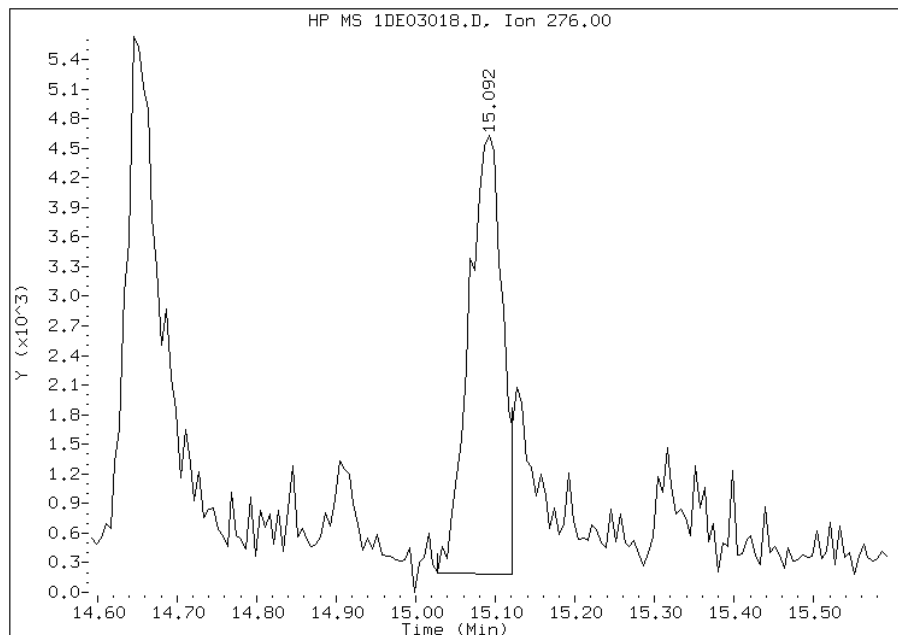
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

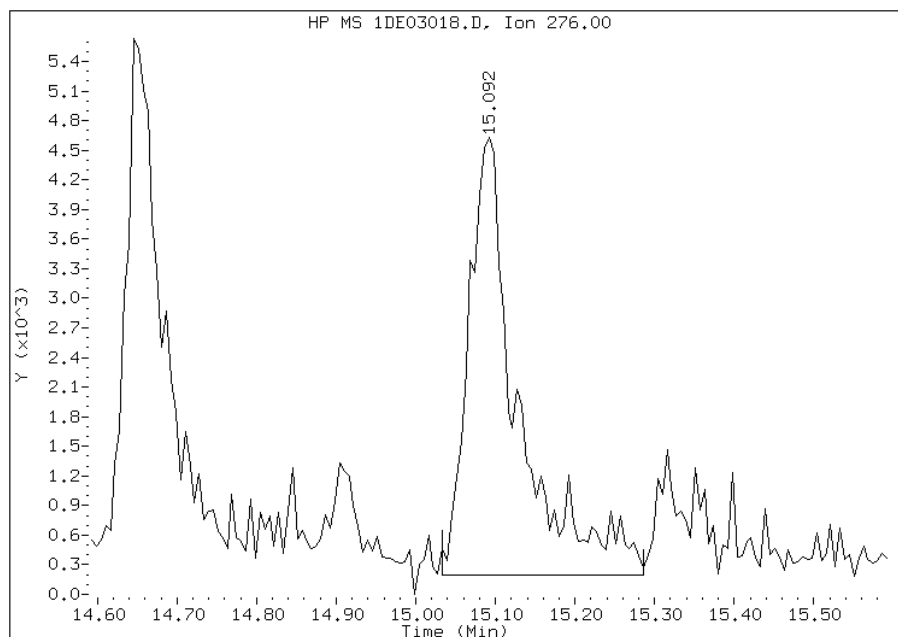
Processing Integration Results

RT: 15.09
Response: 13268
Amount: 0
Conc: 28



Manual Integration Results

RT: 15.09
Response: 19380
Amount: 0
Conc: 41



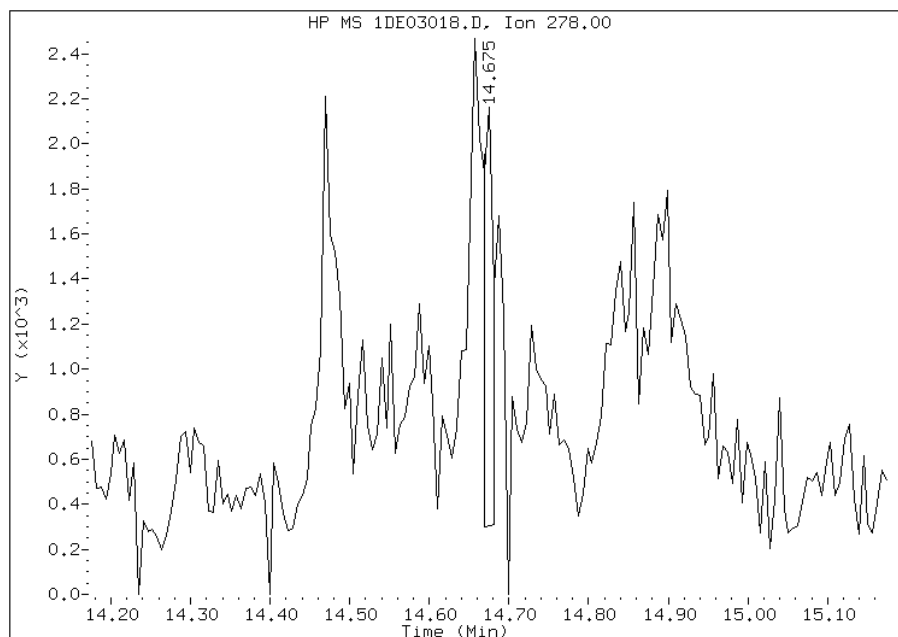
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMDS.i
Client ID: FM0245A-CS-SP
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

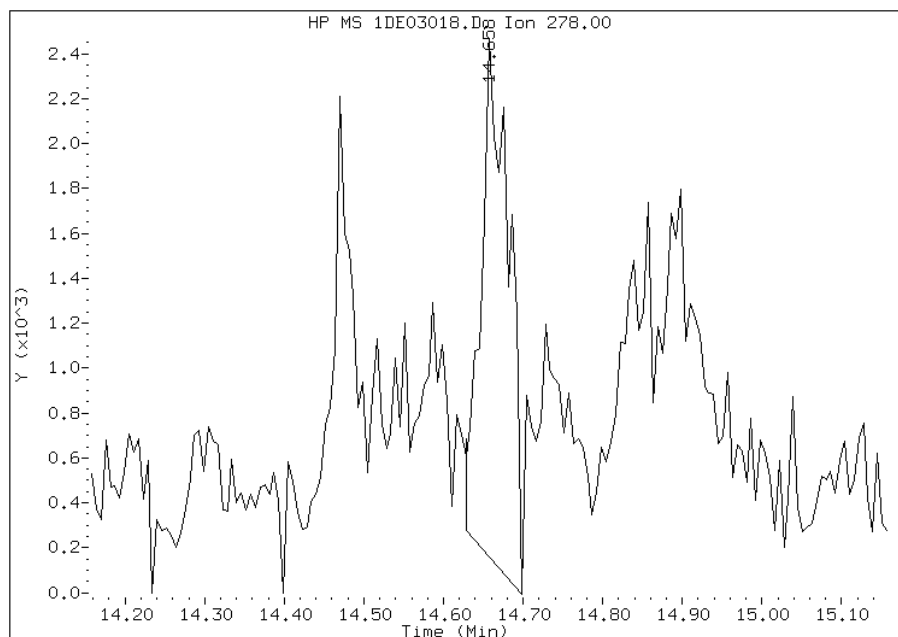
Processing Integration Results

RT: 14.68
Response: 1581
Amount: 0
Conc: 3



Manual Integration Results

RT: 14.66
Response: 5722
Amount: 0
Conc: 12



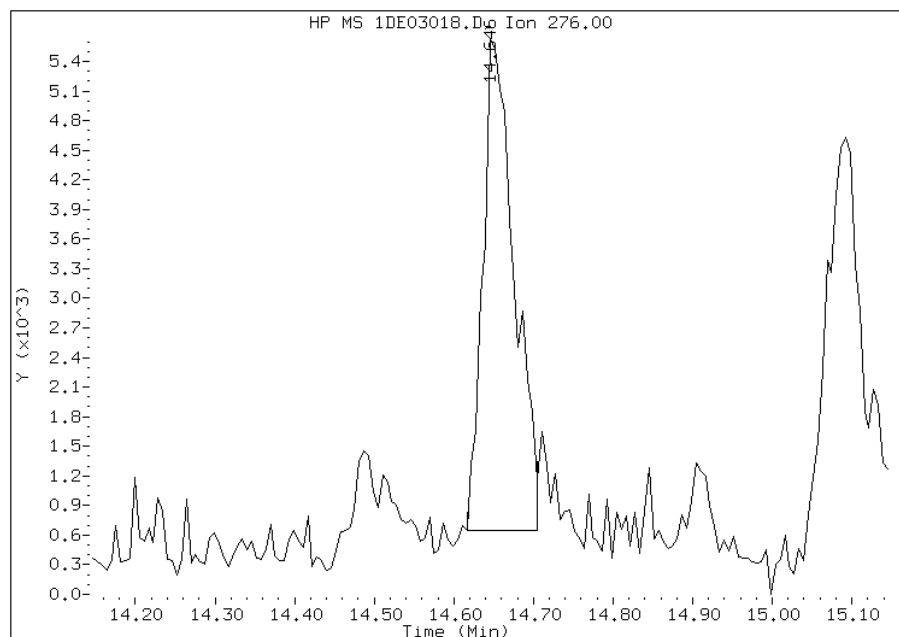
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:12
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

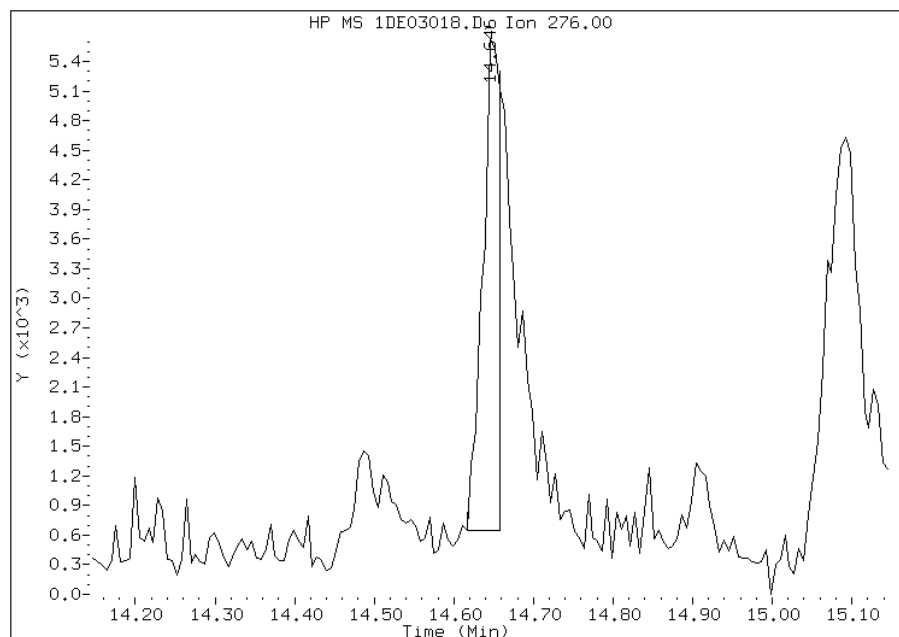
Processing Integration Results

RT: 14.65
Response: 13602
Amount: 0
Conc: 28



Manual Integration Results

RT: 14.65
Response: 7501
Amount: 0
Conc: 15



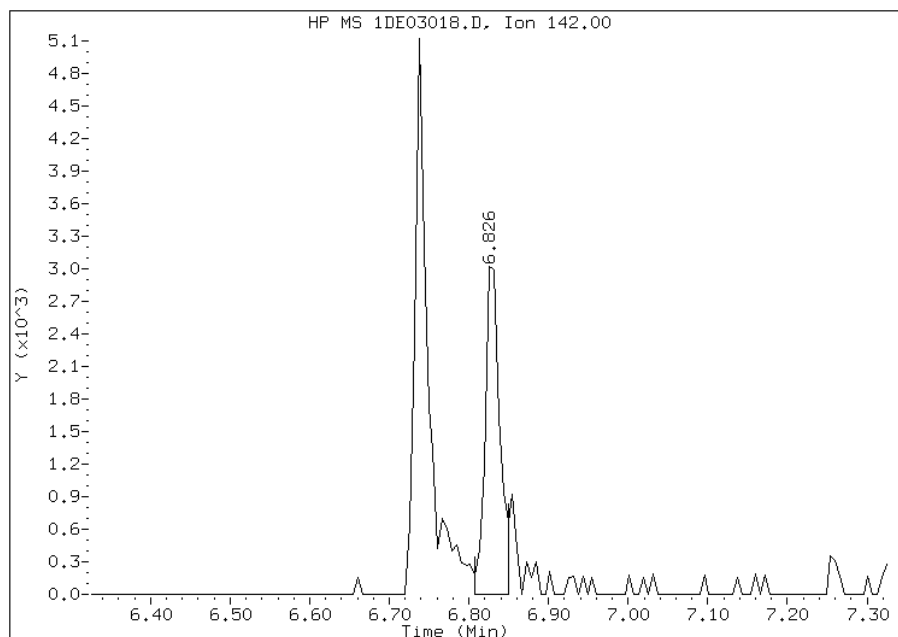
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:13
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

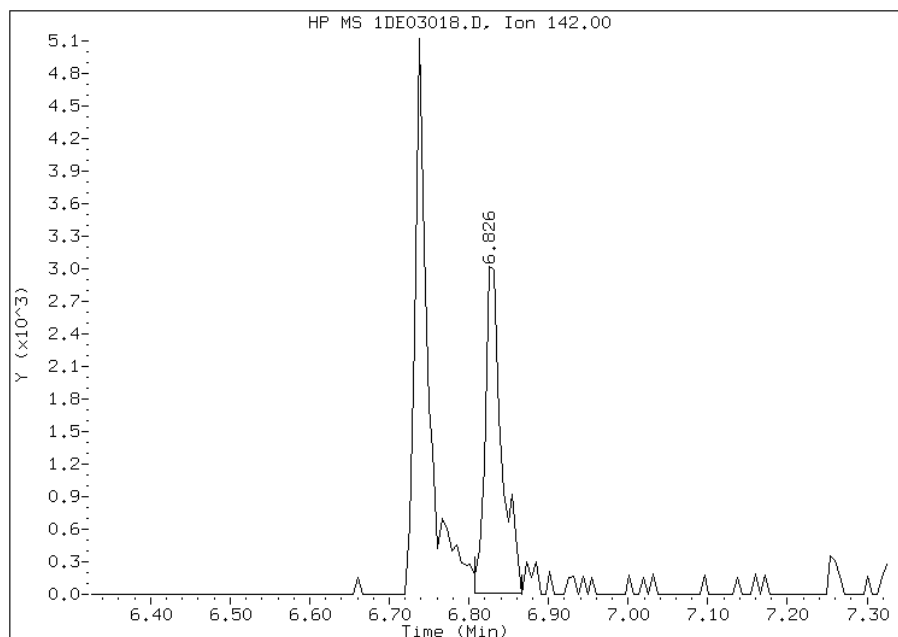
Processing Integration Results

RT: 6.83
Response: 3884
Amount: 0
Conc: 16



Manual Integration Results

RT: 6.83
Response: 4325
Amount: 0
Conc: 18



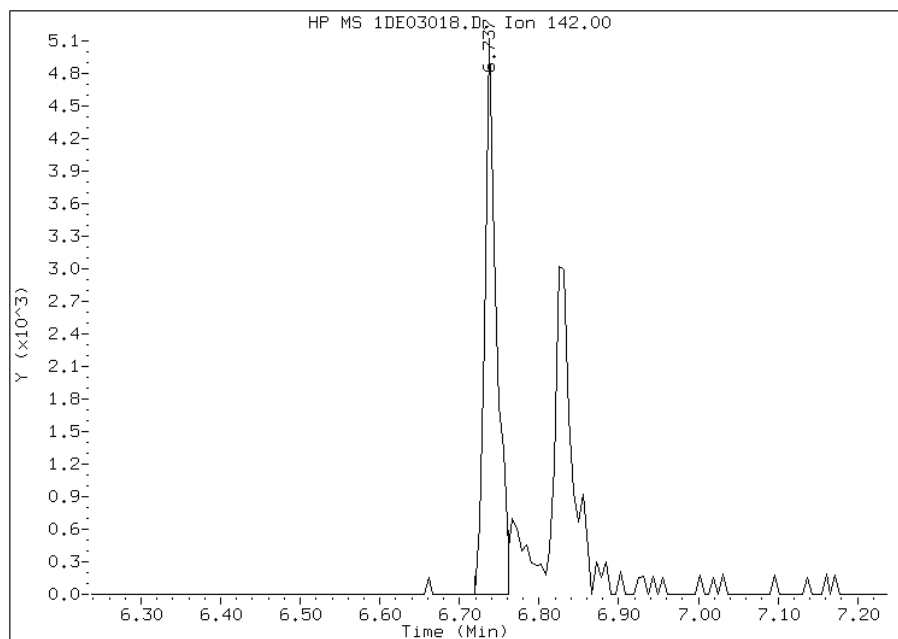
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

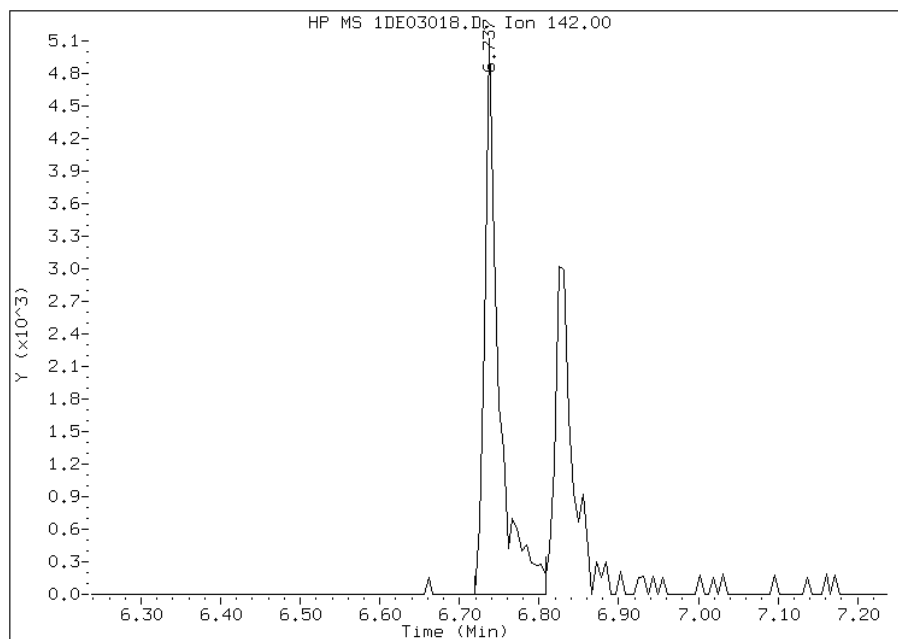
Processing Integration Results

RT: 6.74
Response: 5230
Amount: 0
Conc: 21



Manual Integration Results

RT: 6.74
Response: 6340
Amount: 0
Conc: 25



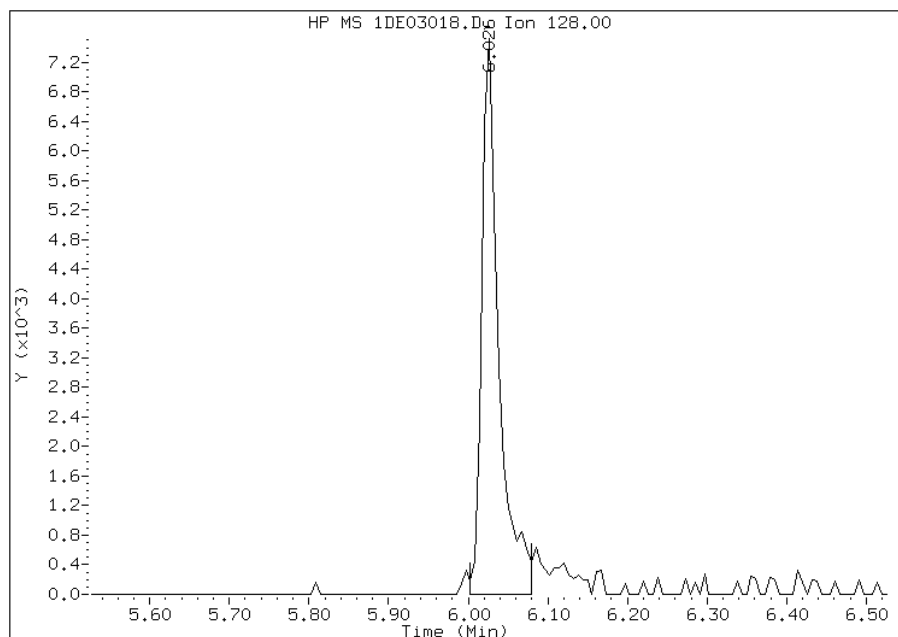
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03018.D
Inj. Date and Time: 03-MAY-2013 16:22
Instrument ID: BSMSD.i
Client ID: FM0245A-CS-SP
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

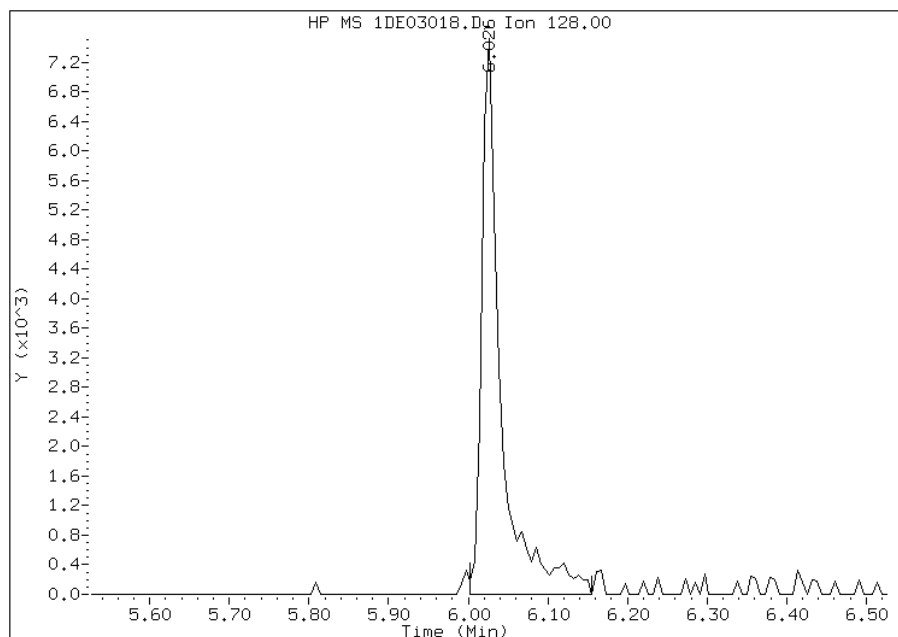
Processing Integration Results

RT: 6.03
Response: 11113
Amount: 0
Conc: 28



Manual Integration Results

RT: 6.03
Response: 12413
Amount: 0
Conc: 32



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:03
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: FM0245B-CS-SP Lab Sample ID: 680-89791-46
 Matrix: Solid Lab File ID: 1DE03019.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 16:05
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.97(g) Date Analyzed: 05/03/2013 16:45
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 19.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120	U	120	25
208-96-8	Acenaphthylene	37	J	50	6.2
120-12-7	Anthracene	60		10	5.2
56-55-3	Benzo[a]anthracene	220		10	4.9
50-32-8	Benzo[a]pyrene	240		13	6.5
205-99-2	Benzo[b]fluoranthene	340		15	7.6
191-24-2	Benzo[g,h,i]perylene	150		25	5.5
207-08-9	Benzo[k]fluoranthene	200		10	4.5
218-01-9	Chrysene	310		11	5.6
53-70-3	Dibenz(a,h)anthracene	48		25	5.1
206-44-0	Fluoranthene	450		25	5.0
86-73-7	Fluorene	12	J	25	5.1
193-39-5	Indeno[1,2,3-cd]pyrene	100		25	8.9
90-12-0	1-Methylnaphthalene	54		50	5.5
91-57-6	2-Methylnaphthalene	64		50	8.9
91-20-3	Naphthalene	160		50	5.5
85-01-8	Phenanthrene	190		10	4.9
129-00-0	Pyrene	310		25	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	55		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03019.D
 Lab Smp Id: 680-89791-A-46-A Client Smp ID: FM0245B-CS-SP
 Inj Date : 03-MAY-2013 16:45
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-46-a
 Misc Info : 680-89791-A-46-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 20
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.970	Weight Extracted
M	19.664	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.002	6.004	(1.000)	1374483	40.0000	
* 6 Acenaphthene-d10	164	7.688	7.690	(1.000)	910086	40.0000	
* 9 Phenanthrene-d10	188	8.957	8.953	(1.000)	1515515	40.0000	
\$ 13 o-Terphenyl	230	9.257	9.259	(1.033)	125579	5.49945	460
* 17 Chrysene-d12	240	11.260	11.257	(1.000)	1615149	40.0000	
* 22 Perylene-d12	264	13.076	13.066	(1.000)	1689030	40.0000	
2 Naphthalene	128	6.025	6.027	(1.004)	64670	1.89296	160(M)
3 2-Methylnaphthalene	142	6.736	6.738	(1.122)	17053	0.77325	64(M)
4 1-Methylnaphthalene	142	6.830	6.826	(1.138)	13514	0.64889	54(M)
5 Acenaphthylene	152	7.564	7.561	(0.984)	17149	0.44521	37
8 Fluorene	166	8.158	8.160	(1.061)	3907	0.13876	12
10 Phenanthrene	178	8.969	8.971	(1.001)	95684	2.29214	190
11 Anthracene	178	9.010	9.012	(1.006)	30068	0.72571	60
12 Carbazole	167	9.157	9.159	(1.022)	12786	0.34986	29

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.956	9.958	(1.112)	231357	5.38578	450
15 Pyrene	202	10.144	10.146	(0.901)	183570	3.78473	310
16 Benzo(a)anthracene	228	11.248	11.239	(0.999)	121271	2.59697	220
18 Chrysene	228	11.284	11.280	(1.002)	165755	3.78562	310
19 Benzo(b)fluoranthene	252	12.535	12.526	(0.959)	171210	4.05784	340(M)
20 Benzo(k)fluoranthene	252	12.553	12.567	(0.960)	106532	2.39668	200(M)
21 Benzo(a)pyrene	252	12.982	12.978	(0.993)	123223	2.90665	240
23 Indeno(1,2,3-cd)pyrene	276	14.662	14.647	(1.121)	57000	1.26095	100(M)
24 Dibenzo(a,h)anthracene	278	14.674	14.670	(1.122)	24440	0.57414	48
25 Benzo(g,h,i)perylene	276	15.091	15.081	(1.154)	78438	1.80213	150(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03019.D

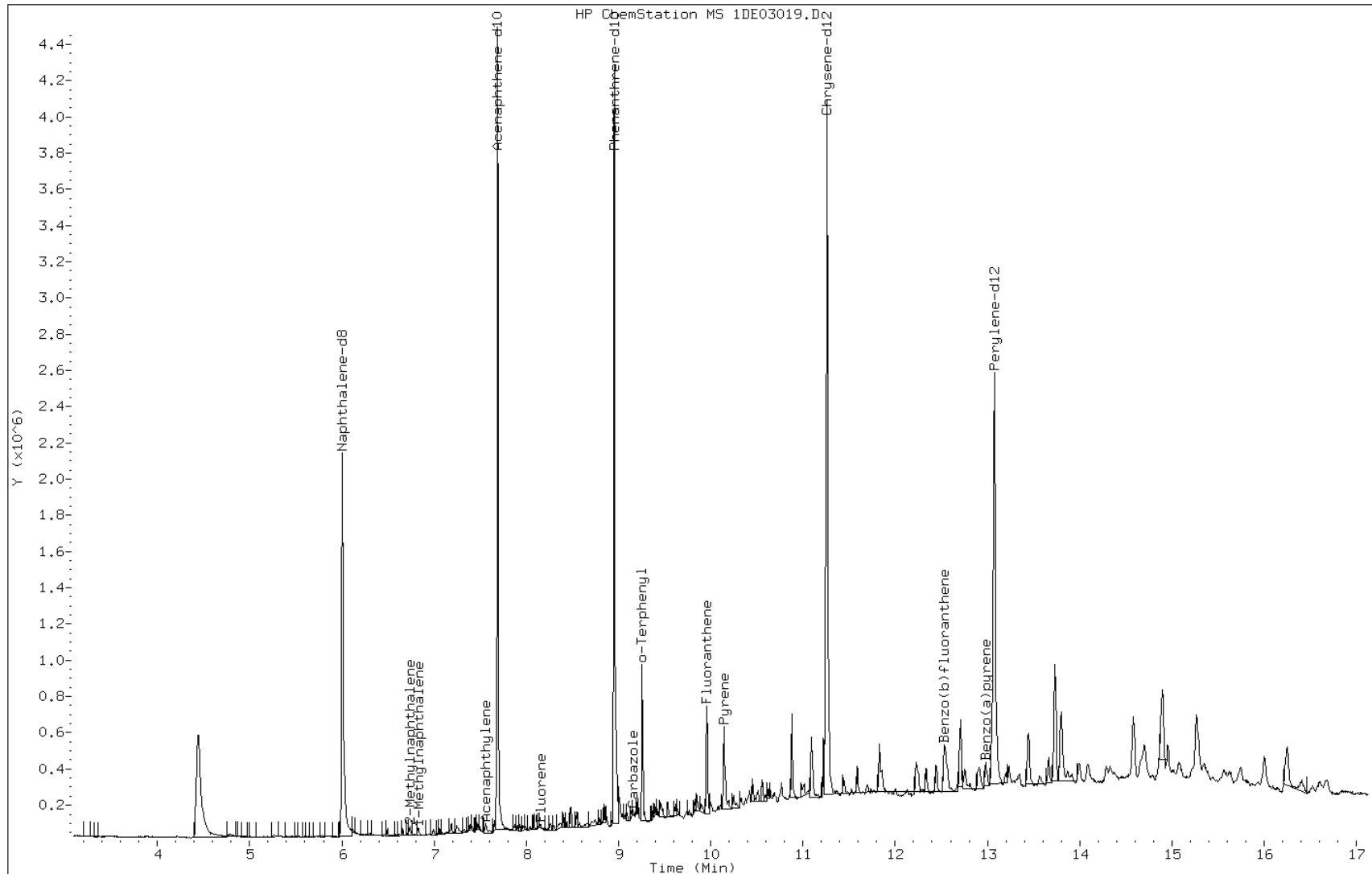
Date: 03-MAY-2013 16:45

Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

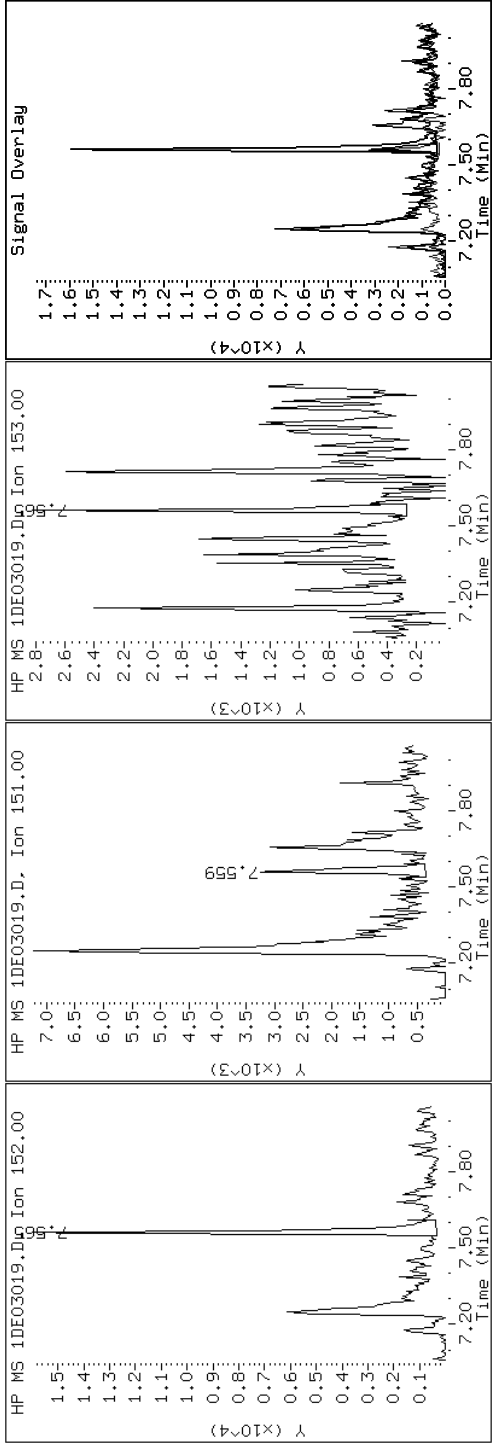
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

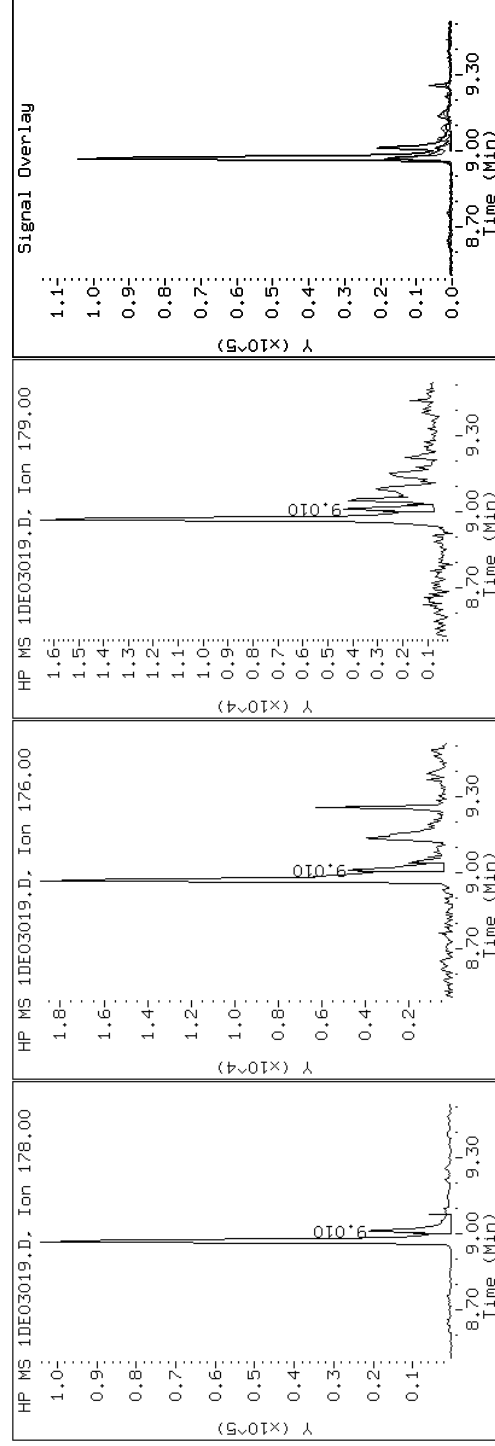
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

11 Anthracene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

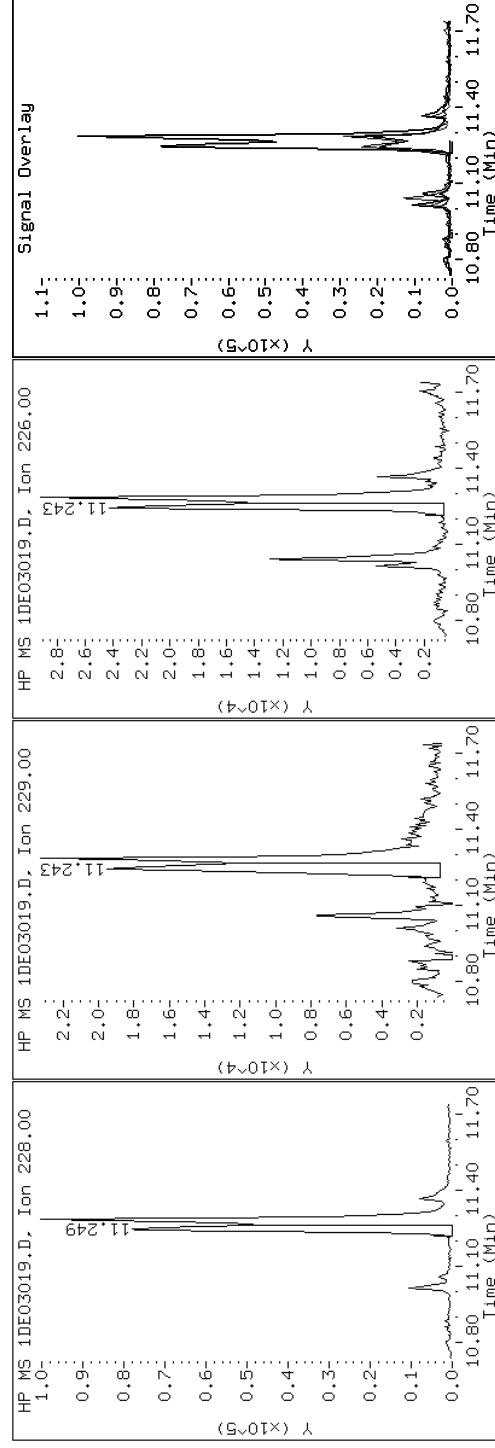
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

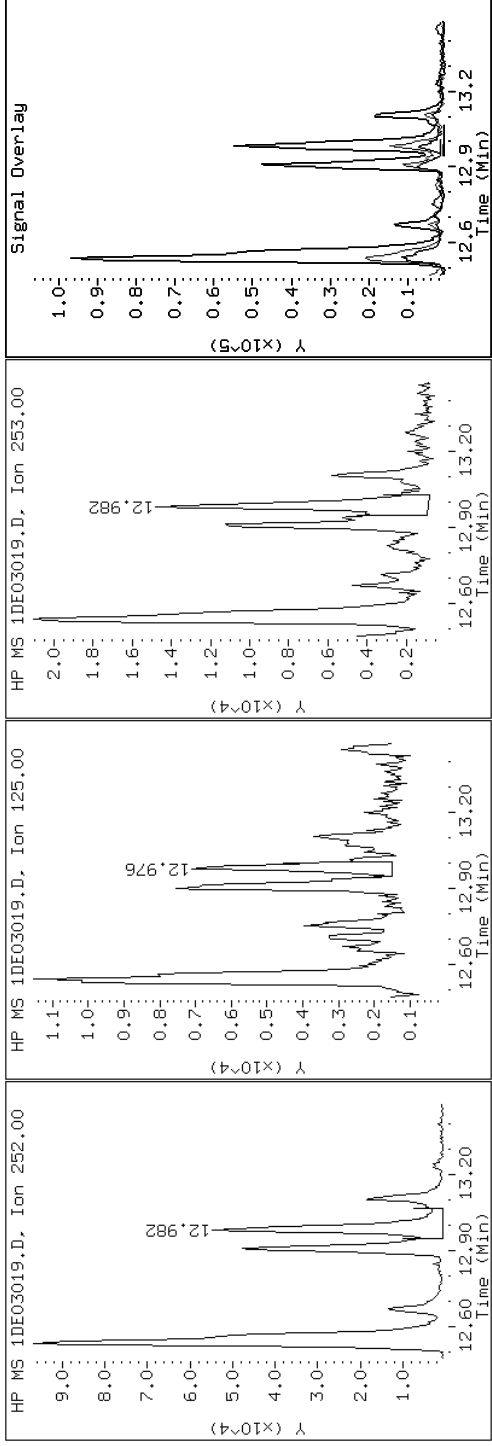
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

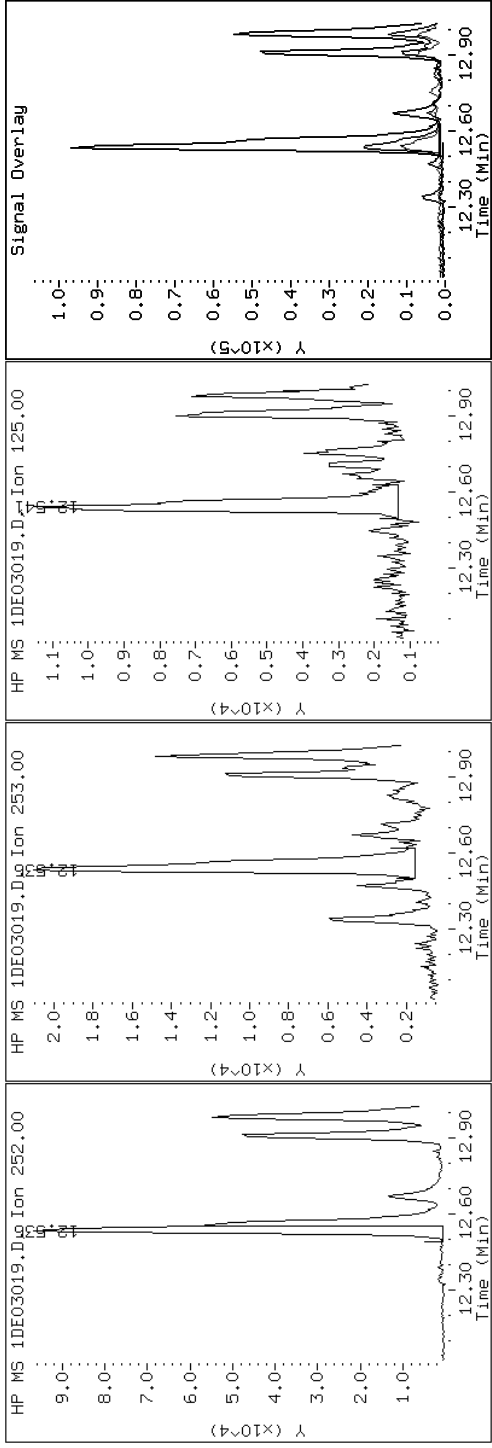
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

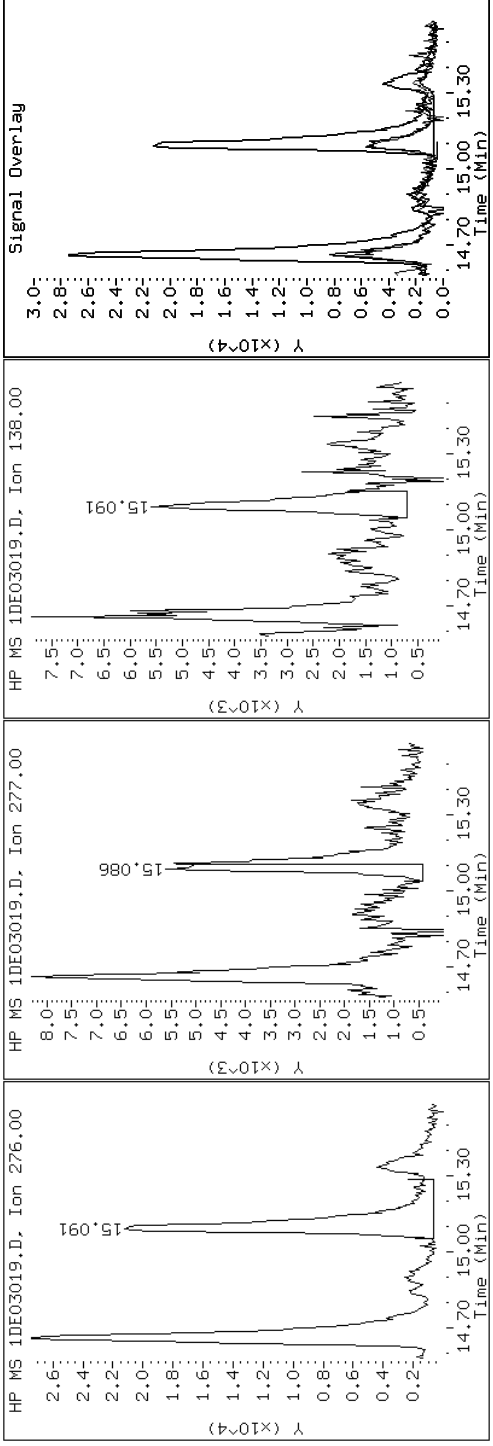
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

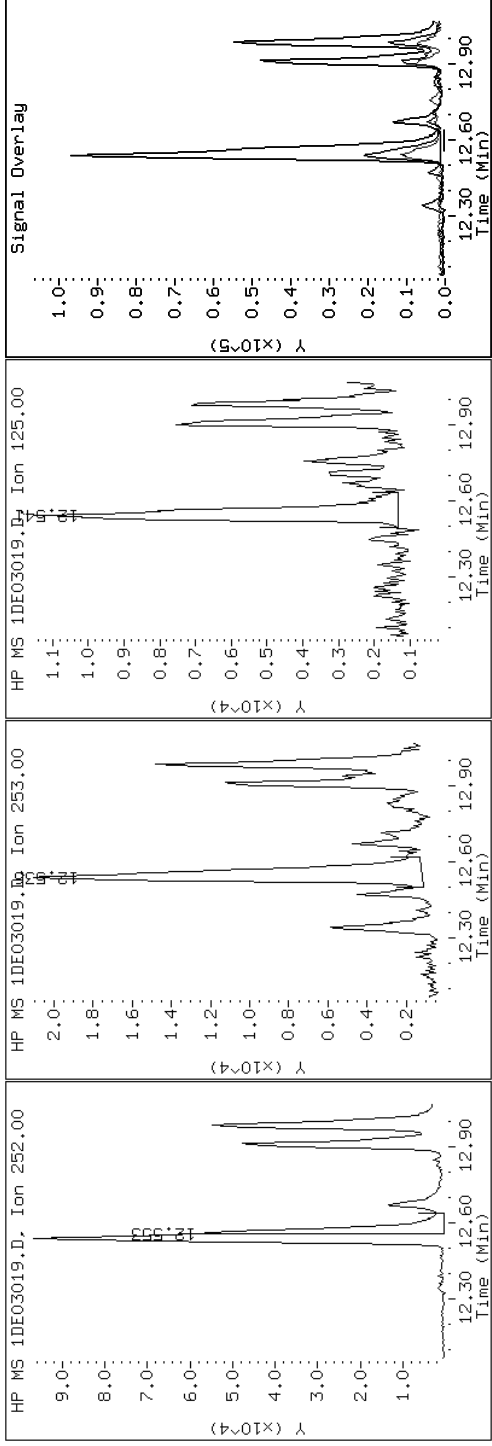
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

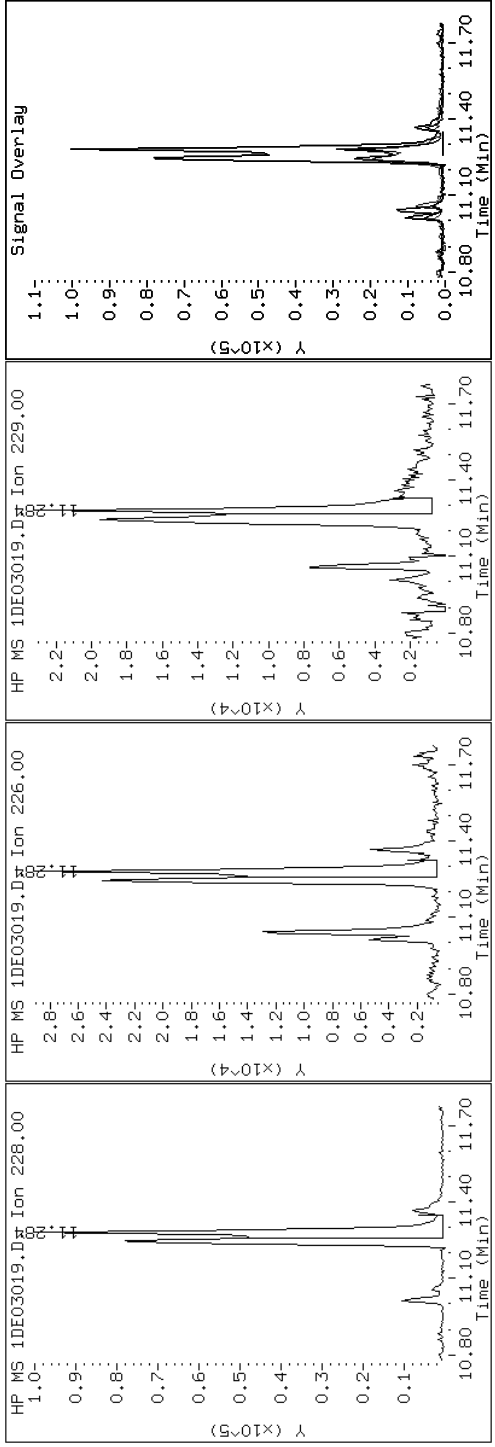
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

18 Chrysene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

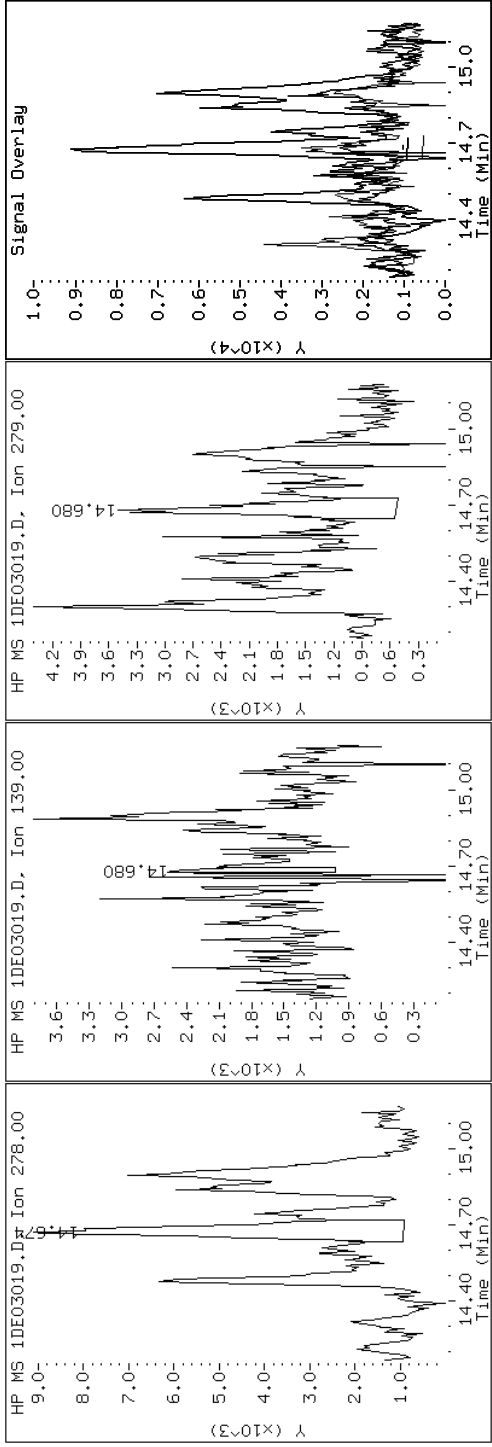
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

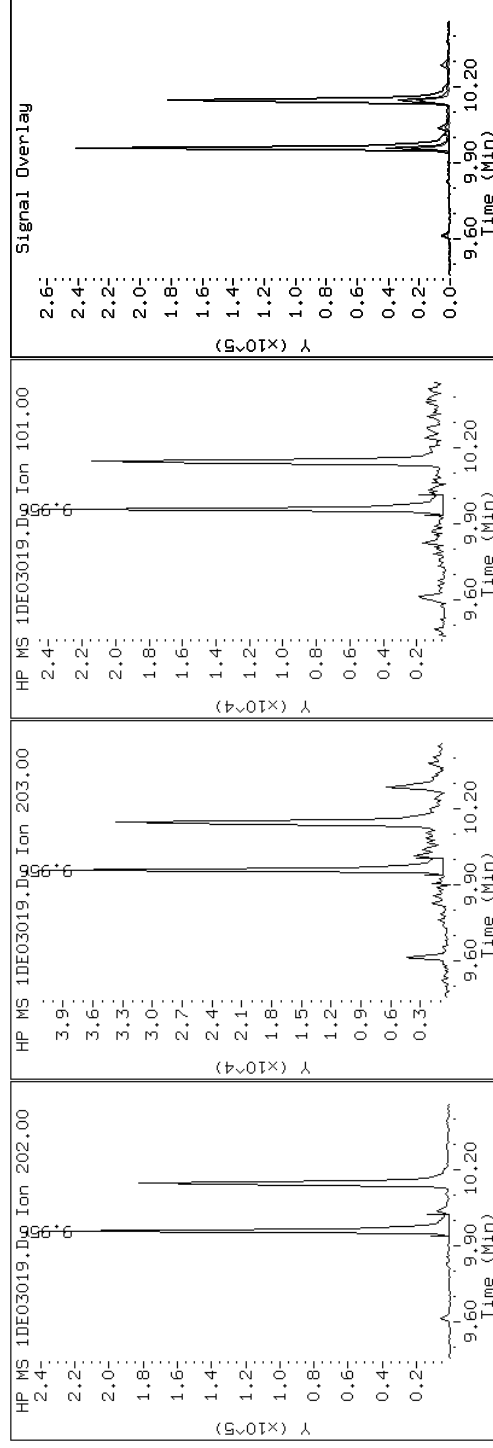
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

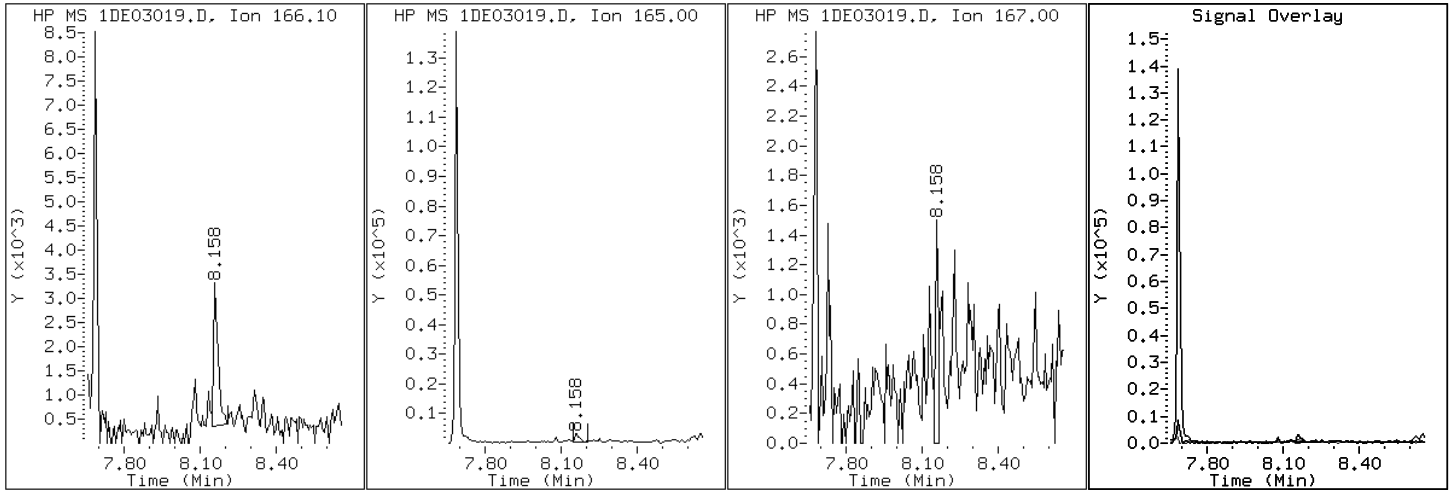
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

8 Fluorene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

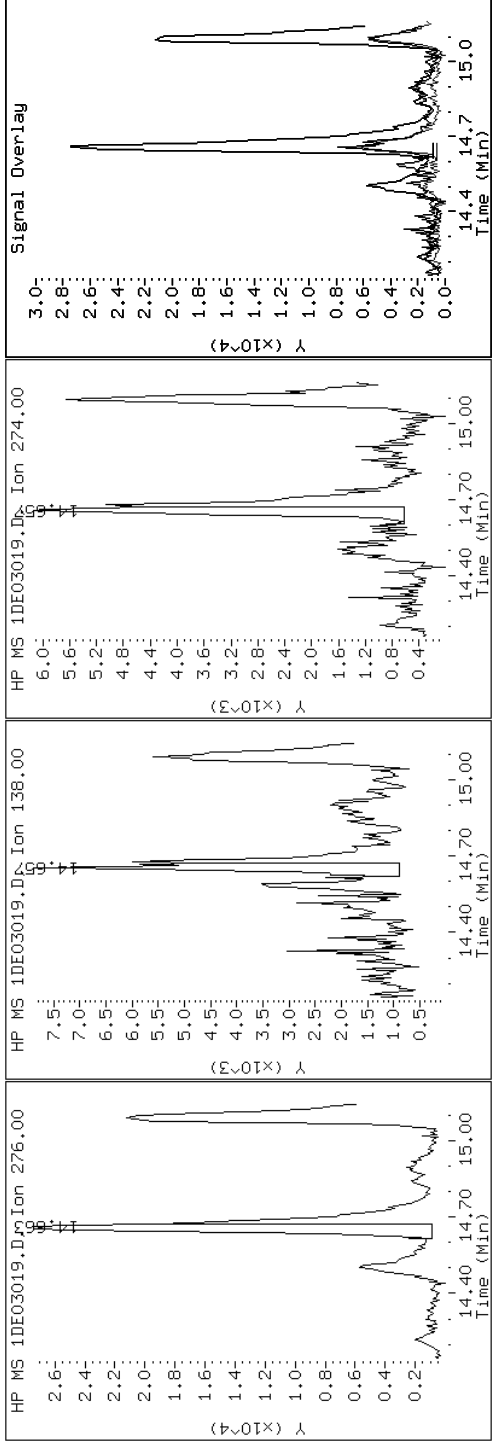
Client ID: FM0245B-CS-SP

Instrument: BSMMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

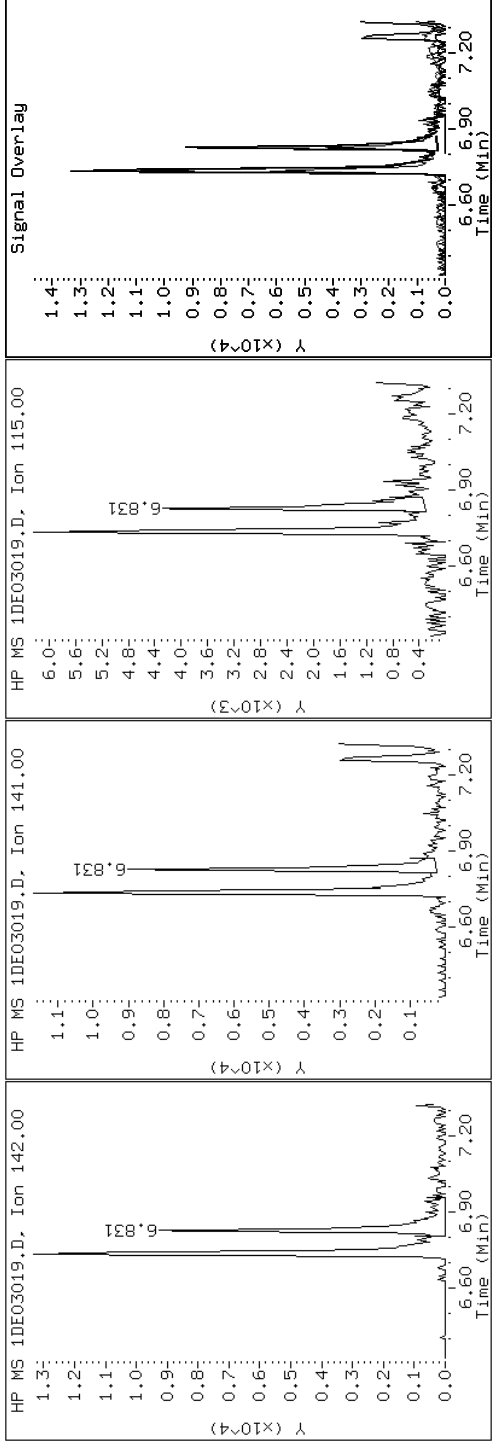
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

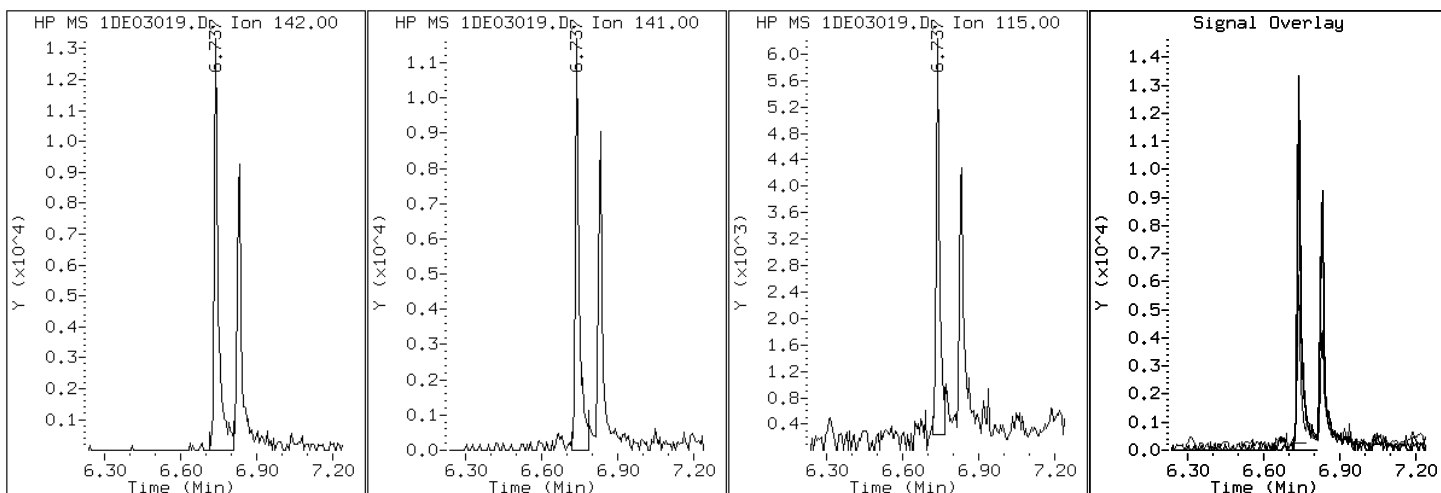
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

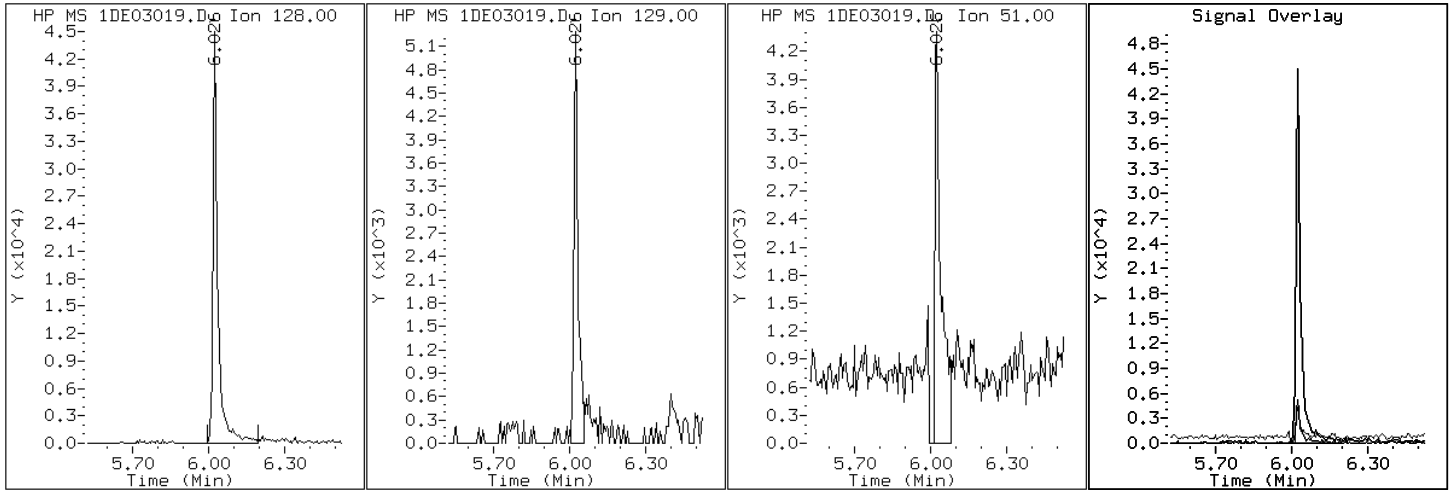
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

2 Naphthalene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

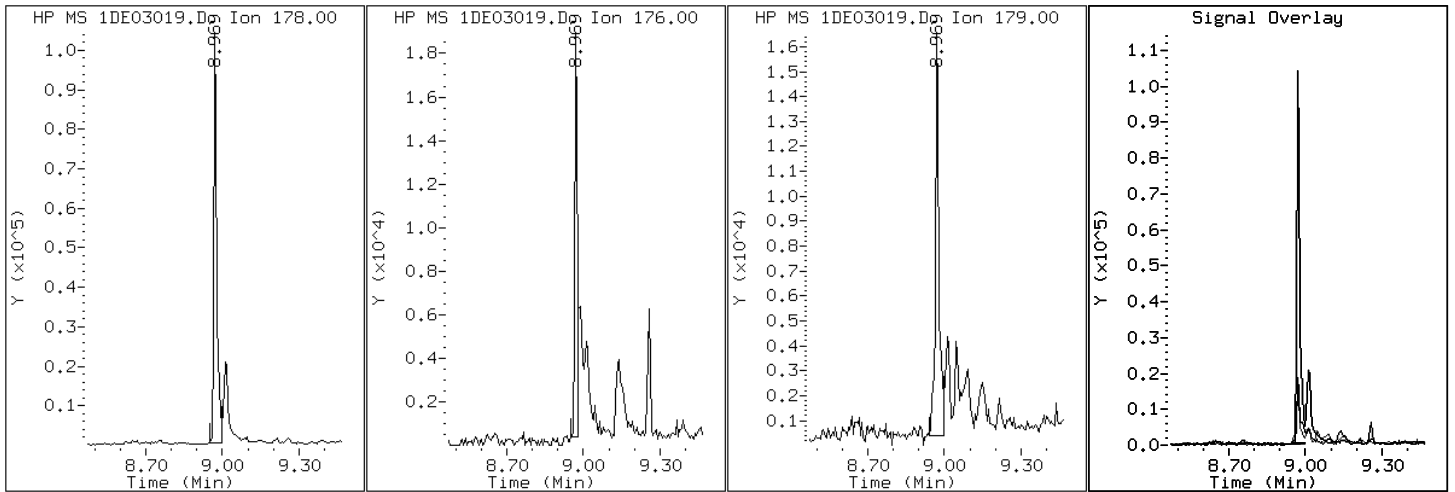
Client ID: FM0245B-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-46-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03019.D

Date: 03-MAY-2013 16:45

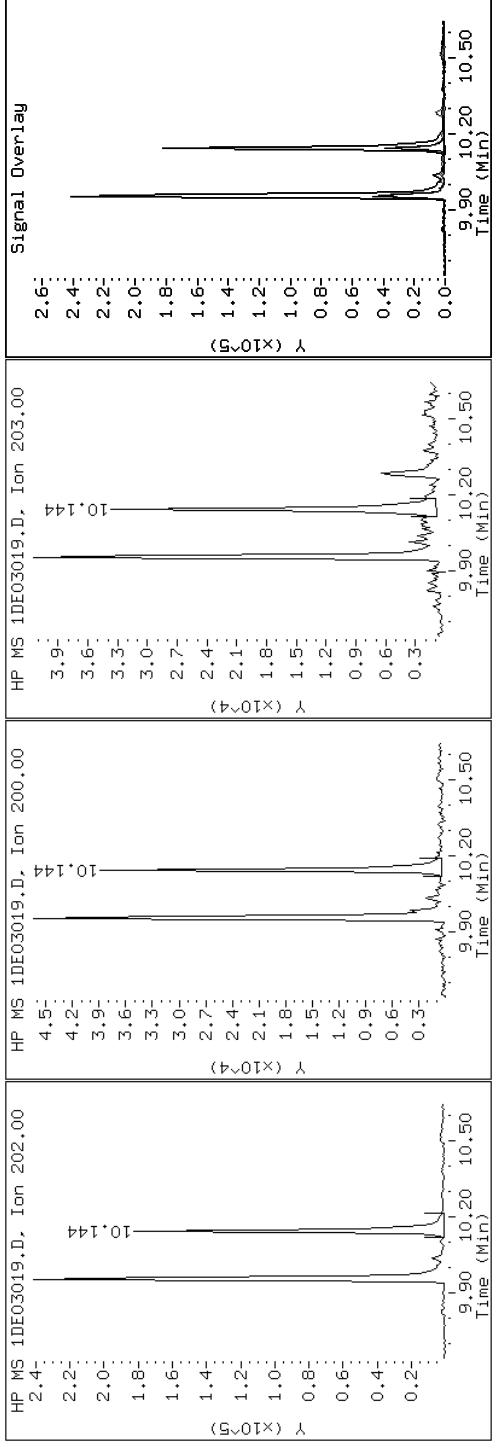
Client ID: FM0245B-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-46-a

Operator: SCC

15 Pyrene

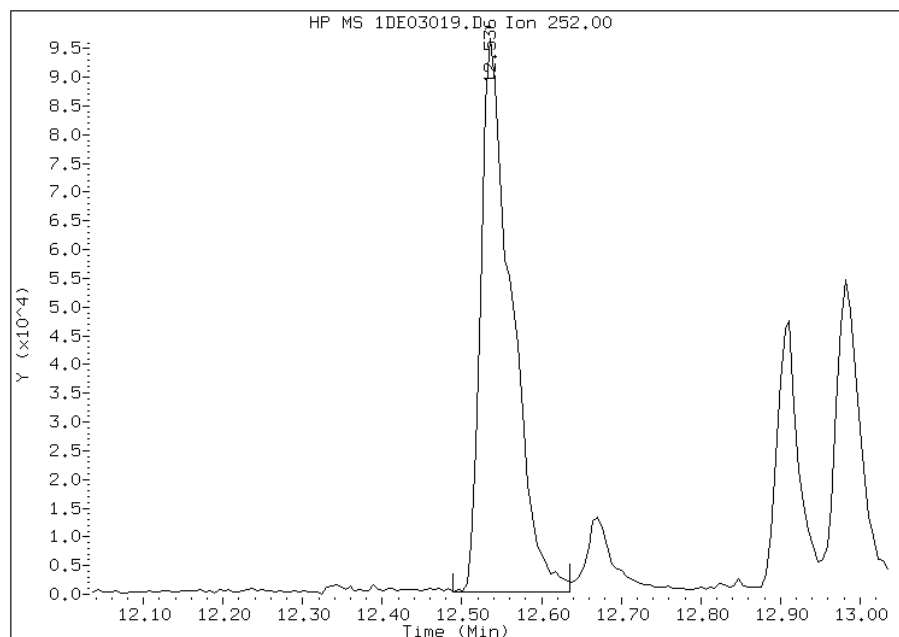


Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

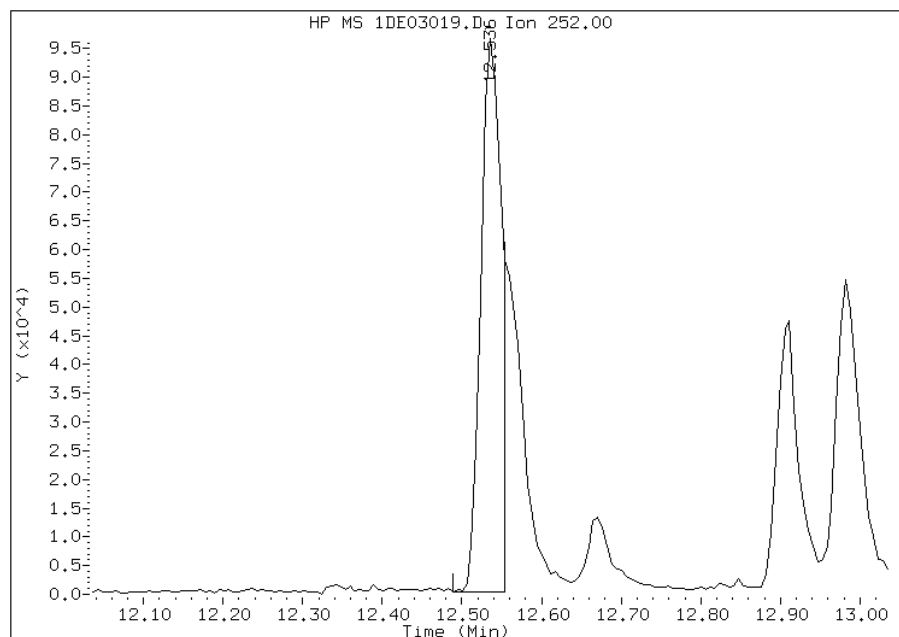
Processing Integration Results

RT: 12.54
Response: 256530
Amount: 6
Conc: 506



Manual Integration Results

RT: 12.54
Response: 171210
Amount: 4
Conc: 337



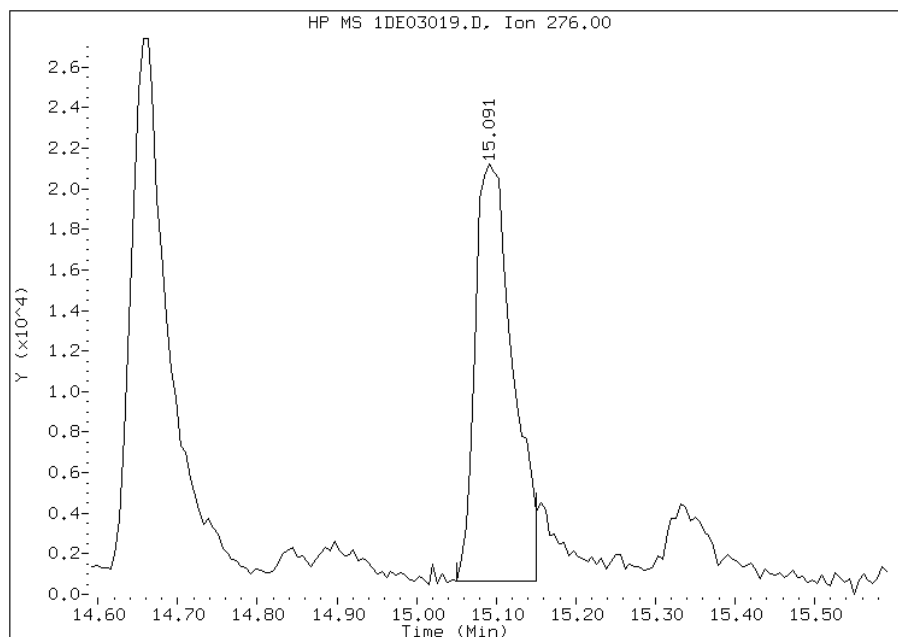
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:14
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

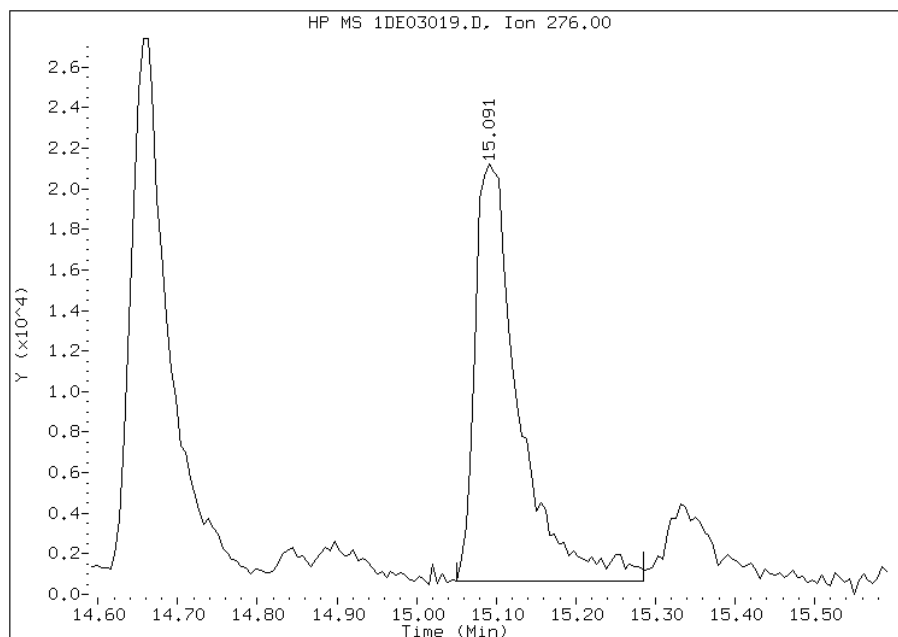
Processing Integration Results

RT: 15.09
Response: 67364
Amount: 2
Conc: 129



Manual Integration Results

RT: 15.09
Response: 78438
Amount: 2
Conc: 150



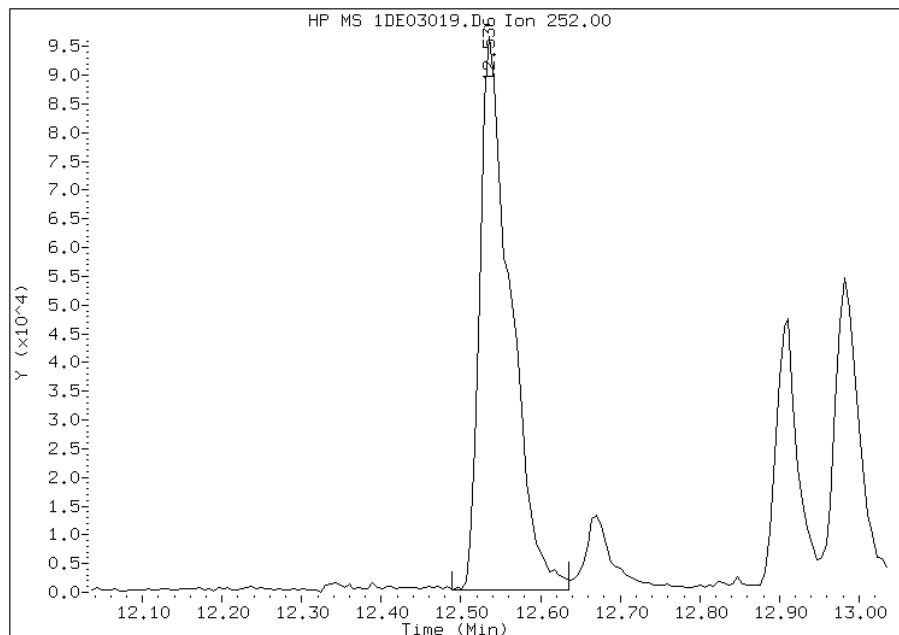
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

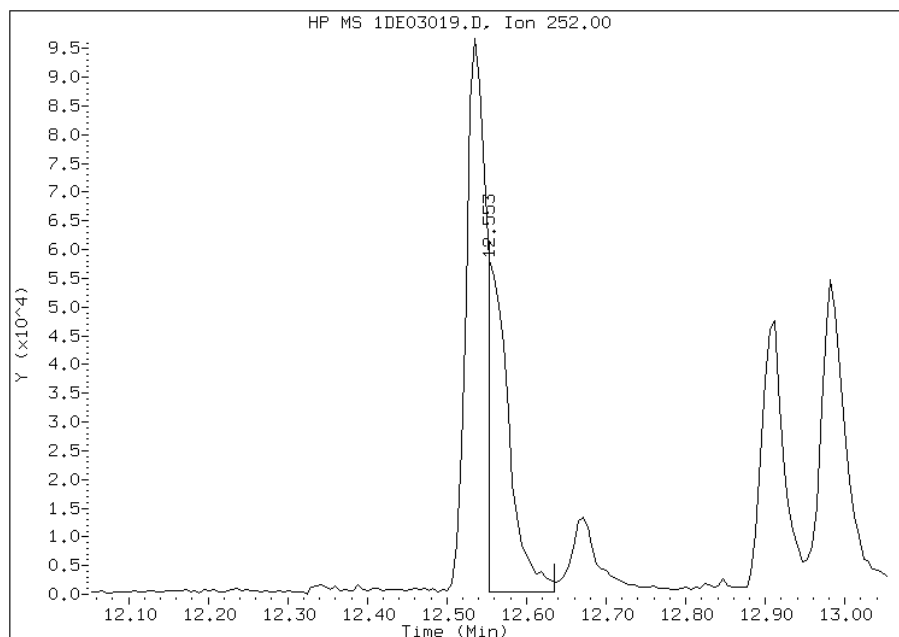
Processing Integration Results

RT: 12.54
Response: 256530
Amount: 6
Conc: 480



Manual Integration Results

RT: 12.55
Response: 106532
Amount: 2
Conc: 199



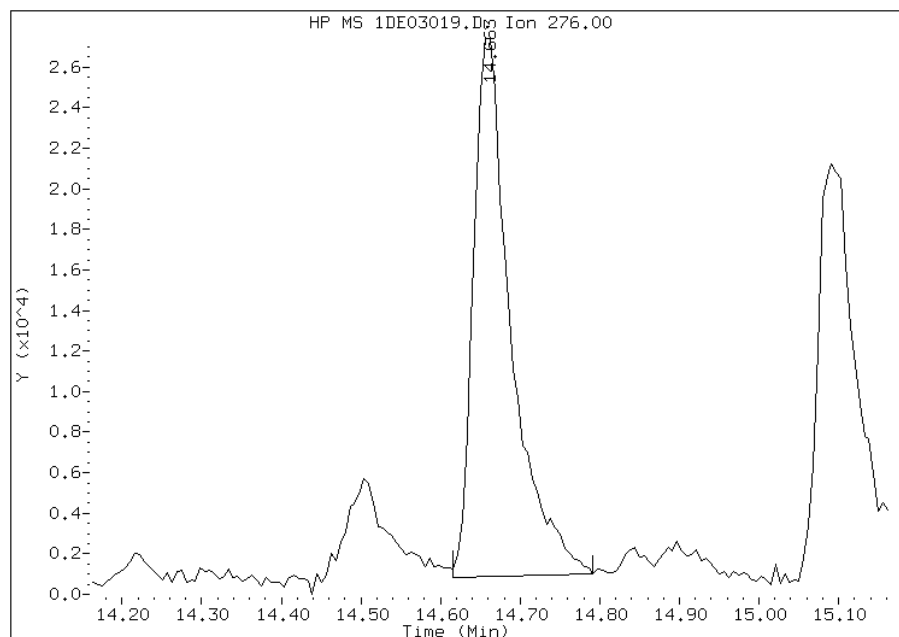
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

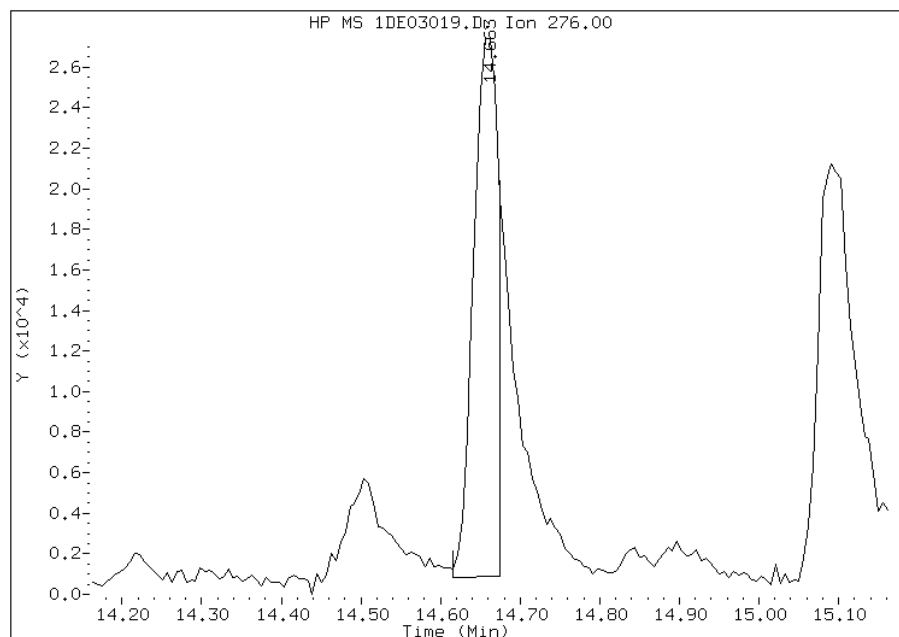
Processing Integration Results

RT: 14.66
Response: 87221
Amount: 2
Conc: 160



Manual Integration Results

RT: 14.66
Response: 57000
Amount: 1
Conc: 105



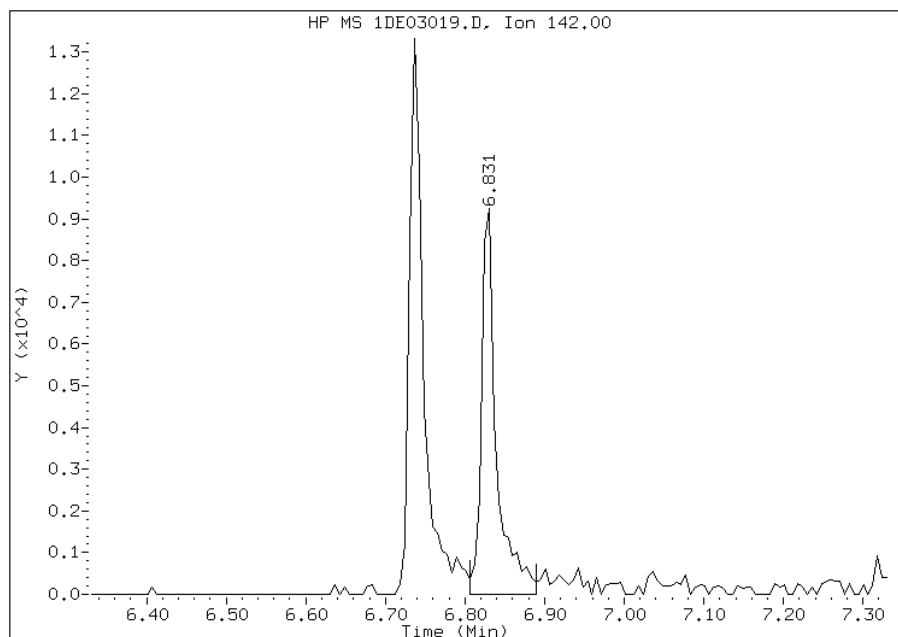
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:15
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

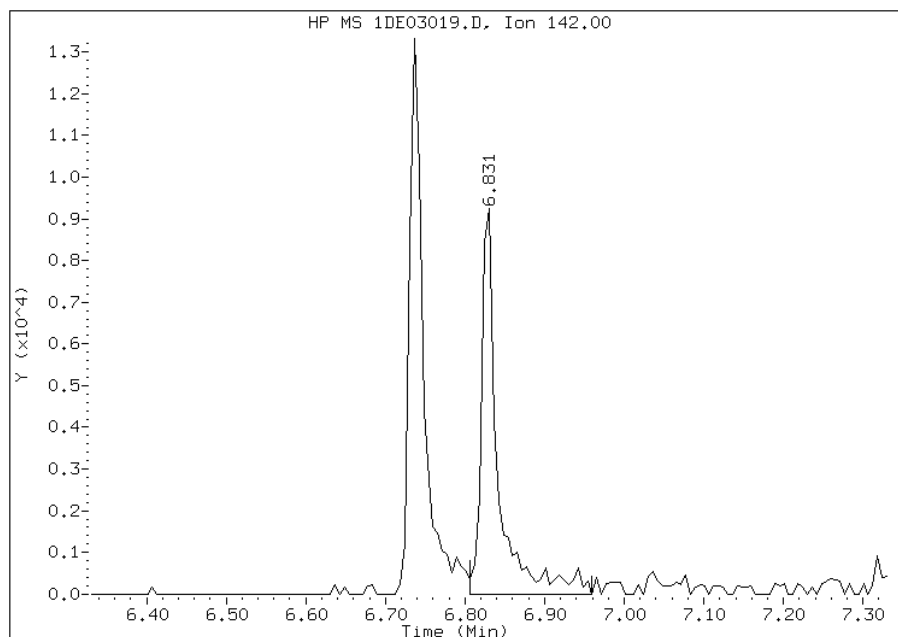
Processing Integration Results

RT: 6.83
Response: 12015
Amount: 1
Conc: 48



Manual Integration Results

RT: 6.83
Response: 13514
Amount: 1
Conc: 54



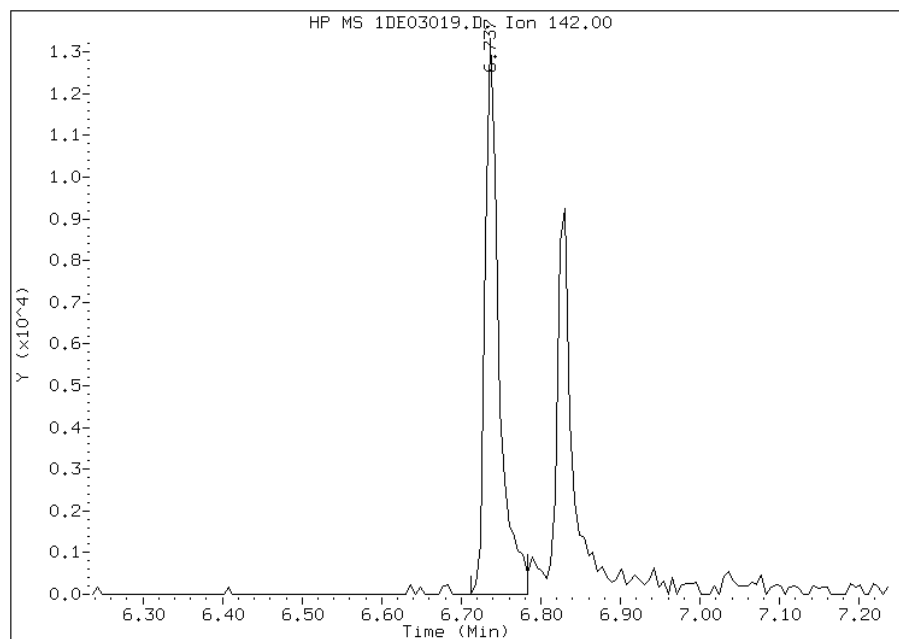
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

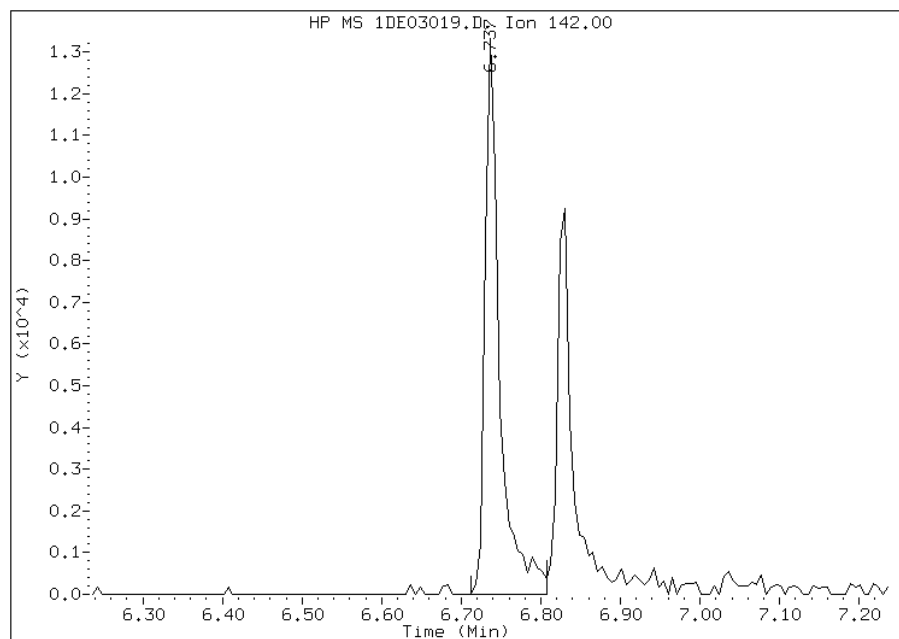
Processing Integration Results

RT: 6.74
Response: 16248
Amount: 1
Conc: 61



Manual Integration Results

RT: 6.74
Response: 17053
Amount: 1
Conc: 64



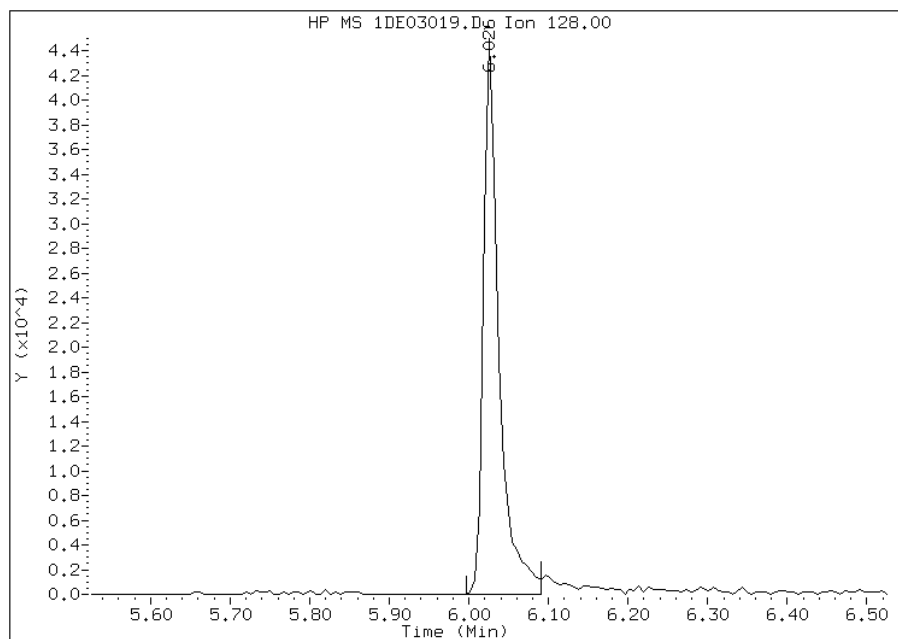
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:13
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03019.D
Inj. Date and Time: 03-MAY-2013 16:45
Instrument ID: BSMSD.i
Client ID: FM0245B-CS-SP
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

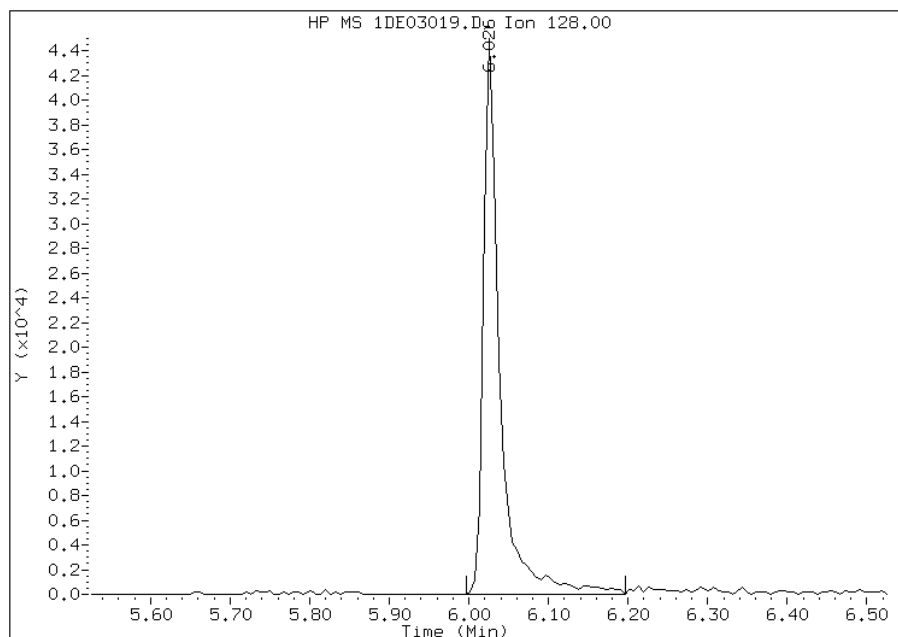
Processing Integration Results

RT: 6.03
Response: 60406
Amount: 2
Conc: 147



Manual Integration Results

RT: 6.03
Response: 64670
Amount: 2
Conc: 157



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:13
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: FM0245C-CS-SP Lab Sample ID: 680-89791-47
 Matrix: Solid Lab File ID: 1DE03020.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 16:08
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.92(g) Date Analyzed: 05/03/2013 17:07
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 19.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	25
208-96-8	Acenaphthylene	9.2	J	50	6.3
120-12-7	Anthracene	35		11	5.3
56-55-3	Benzo[a]anthracene	81		10	4.9
50-32-8	Benzo[a]pyrene	73		13	6.5
205-99-2	Benzo[b]fluoranthene	100		15	7.6
191-24-2	Benzo[g,h,i]perylene	53		25	5.5
207-08-9	Benzo[k]fluoranthene	57		10	4.5
218-01-9	Chrysene	98		11	5.6
53-70-3	Dibenz(a,h)anthracene	14	J	25	5.1
206-44-0	Fluoranthene	180		25	5.0
86-73-7	Fluorene	8.4	J	25	5.1
193-39-5	Indeno[1,2,3-cd]pyrene	44		25	8.9
90-12-0	1-Methylnaphthalene	12	J	50	5.5
91-57-6	2-Methylnaphthalene	13	J	50	8.9
91-20-3	Naphthalene	18	J	50	5.5
85-01-8	Phenanthrene	120		10	4.9
129-00-0	Pyrene	130		25	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	52		30-130

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03020.D
 Lab Smp Id: 680-89791-A-47-A Client Smp ID: FM0245C-CS-SP
 Inj Date : 03-MAY-2013 17:07
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-47-a
 Misc Info : 680-89791-A-47-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 21
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.920	Weight Extracted
M	19.773	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.004	6.004	(1.000)	1411900	40.0000	
* 6 Acenaphthene-d10	164	7.690	7.690	(1.000)	923692	40.0000	
* 9 Phenanthrene-d10	188	8.954	8.953	(1.000)	1518924	40.0000	
\$ 13 o-Terphenyl	230	9.259	9.259	(1.034)	119207	5.20869	440
* 17 Chrysene-d12	240	11.257	11.257	(1.000)	1562759	40.0000	
* 22 Perylene-d12	264	13.078	13.066	(1.000)	1664683	40.0000	
2 Naphthalene	128	6.028	6.027	(1.004)	7477	0.21306	18(M)
3 2-Methylnaphthalene	142	6.739	6.738	(1.122)	3480	0.15362	13(M)
4 1-Methylnaphthalene	142	6.827	6.826	(1.137)	3048	0.14248	12(M)
5 Acenaphthylene	152	7.561	7.561	(0.983)	4293	0.10981	9.2(MH)
8 Fluorene	166	8.161	8.160	(1.061)	2878	0.10071	8.4
10 Phenanthrene	178	8.971	8.971	(1.002)	59738	1.42783	120
11 Anthracene	178	9.012	9.012	(1.007)	17374	0.41839	35(M)
12 Carbazole	167	9.159	9.159	(1.023)	9690	0.26455	22

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.958	9.958	(1.112)	95336	2.21436	180
15 Pyrene	202	10.146	10.146	(0.901)	72523	1.54536	130
16 Benzo(a)anthracene	228	11.245	11.239	(0.999)	43601	0.96500	81
18 Chrysene	228	11.280	11.280	(1.002)	49593	1.17061	98
19 Benzo(b)fluoranthene	252	12.532	12.526	(0.958)	50223	1.20774	100
20 Benzo(k)fluoranthene	252	12.555	12.567	(0.960)	29965	0.68399	57(M)
21 Benzo(a)pyrene	252	12.978	12.978	(0.992)	36495	0.87345	73
23 Indeno(1,2,3-cd)pyrene	276	14.647	14.647	(1.120)	23587	0.52942	44(M)
24 Dibenzo(a,h)anthracene	278	14.671	14.670	(1.122)	6979	0.16635	14(M)
25 Benzo(g,h,i)perylene	276	15.082	15.081	(1.153)	27128	0.63239	53(M)

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DE03020.D

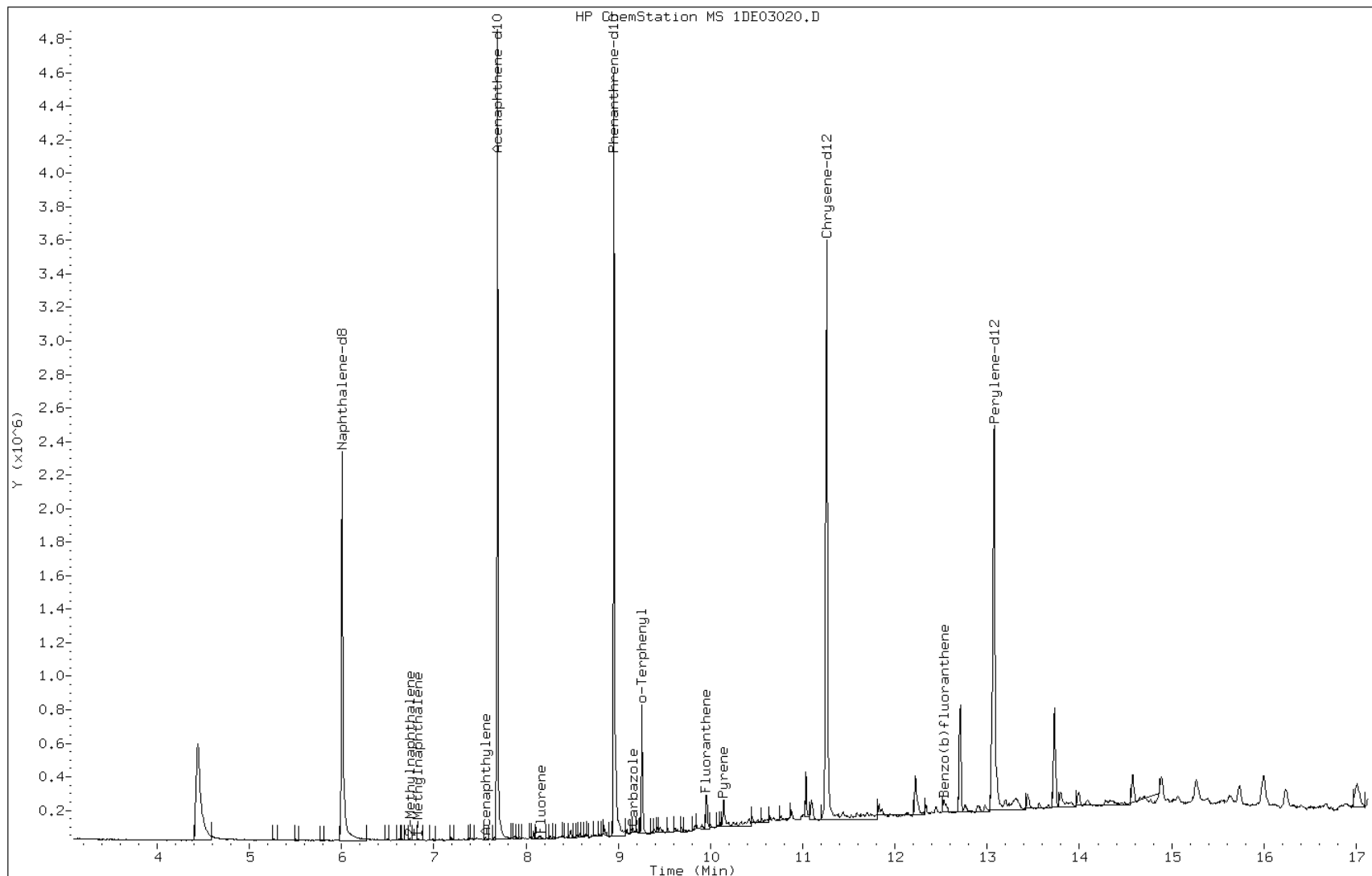
Date: 03-MAY-2013 17:07

Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

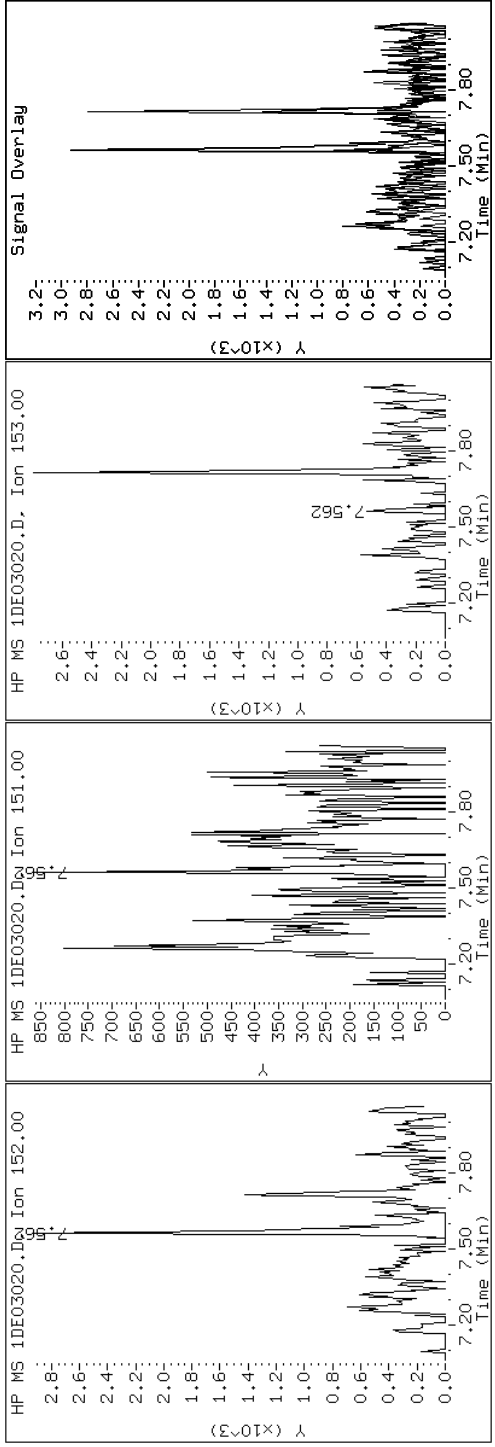
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

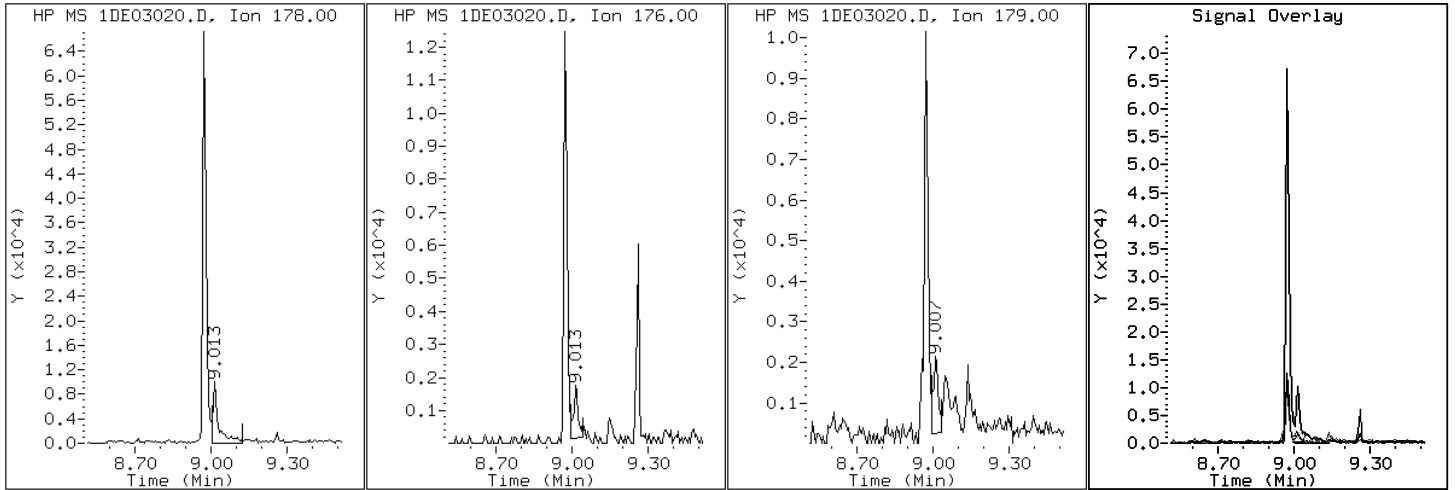
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

11 Anthracene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

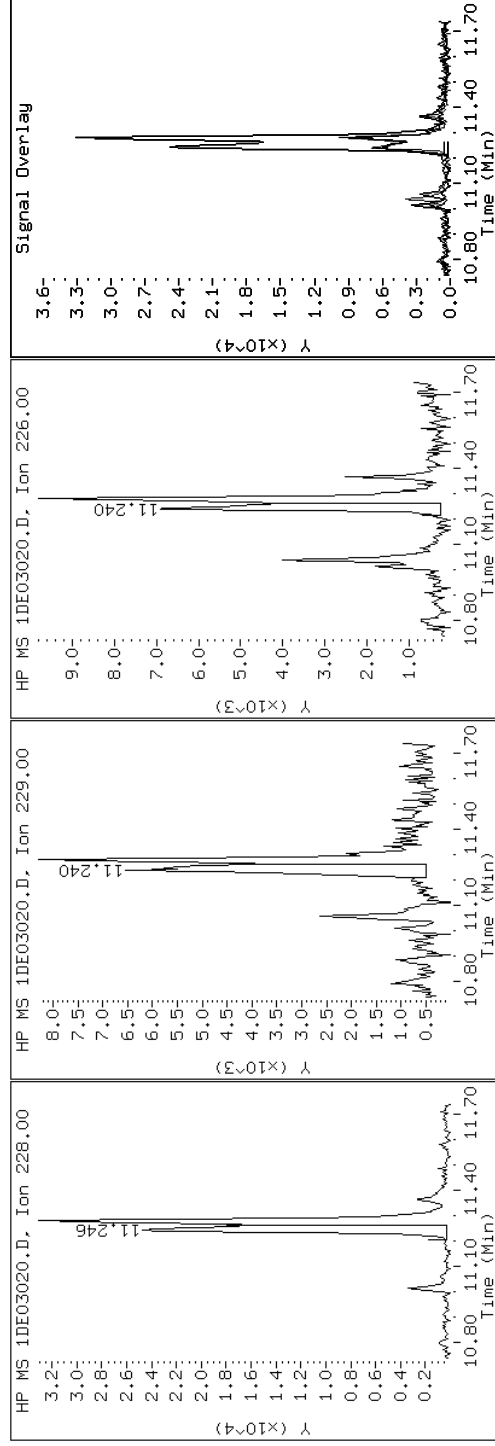
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

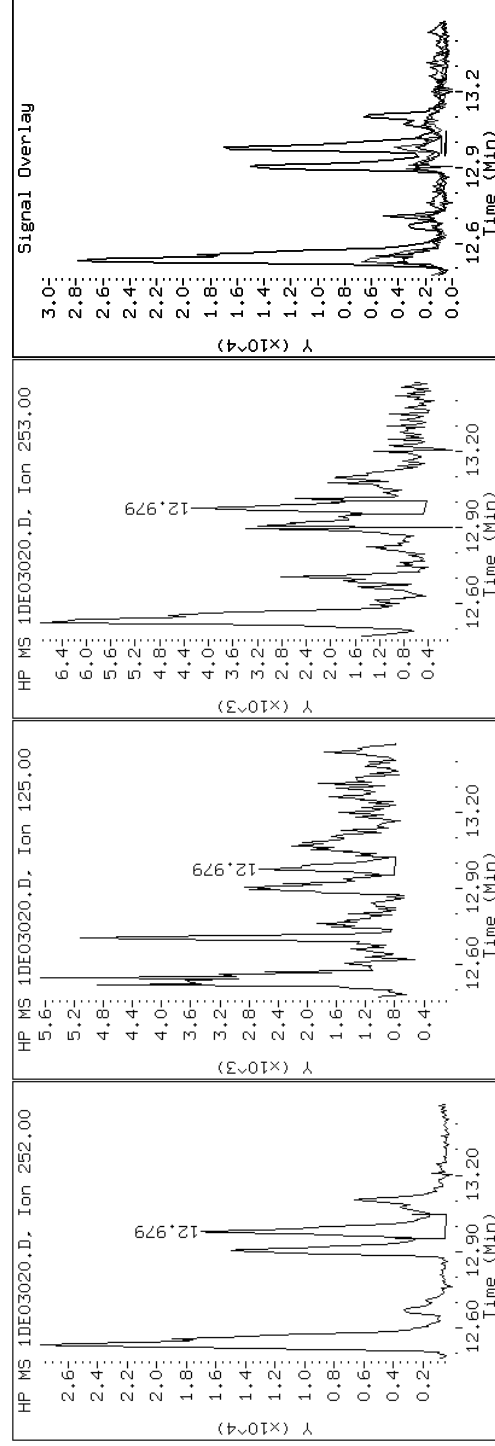
Client ID: FM0245C-CS-SP

Instrument: BSMMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

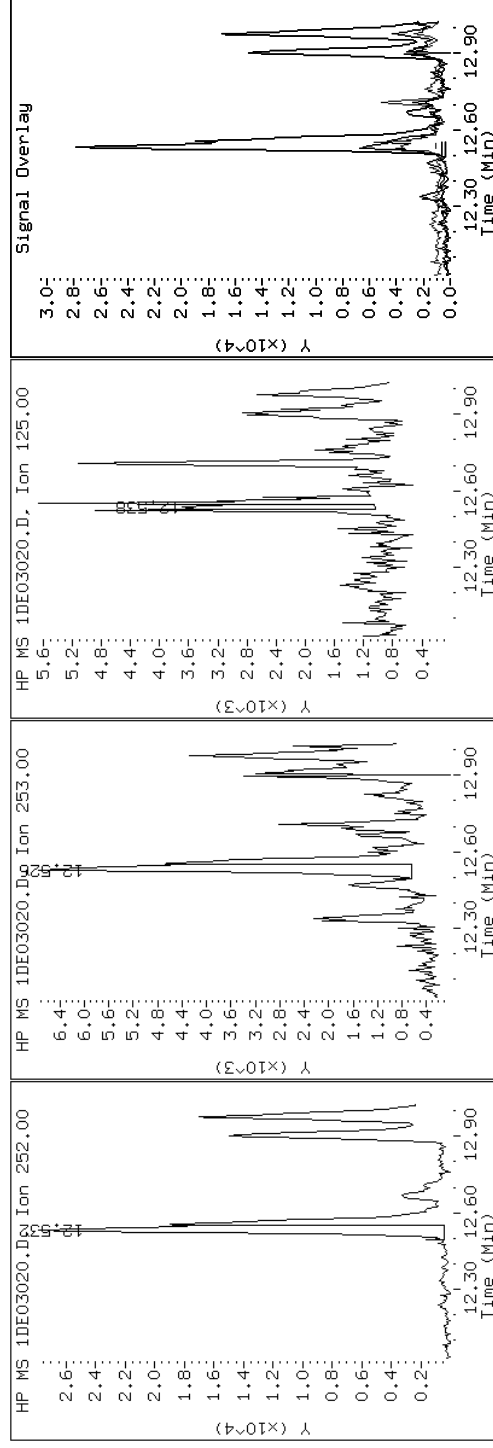
Client ID: FM0245C-CS-SP

Instrument: BSMMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

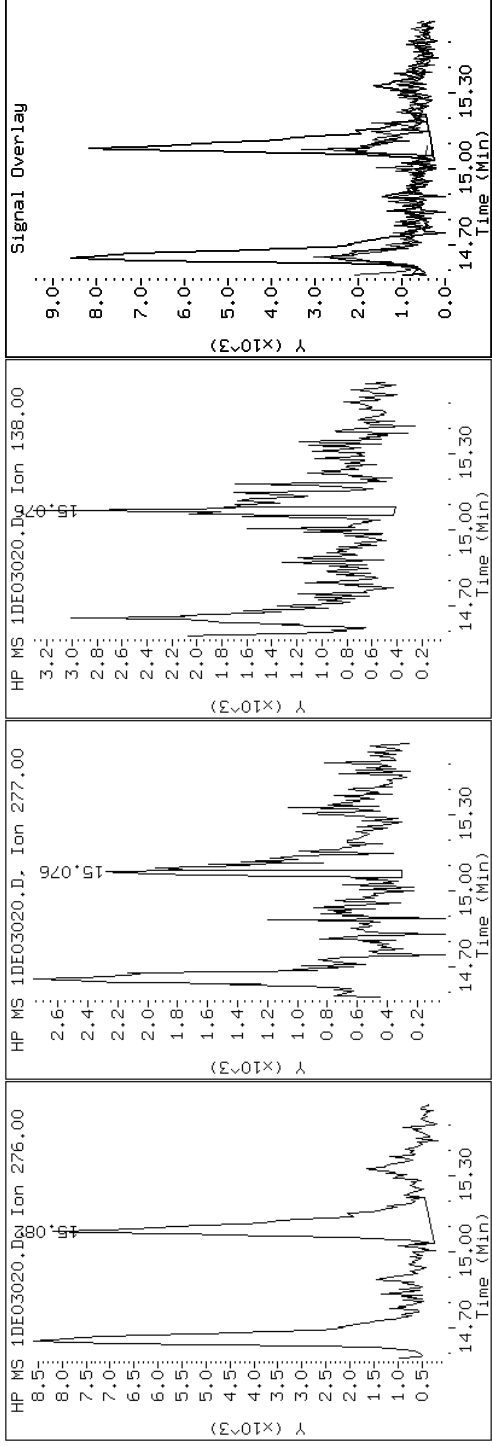
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

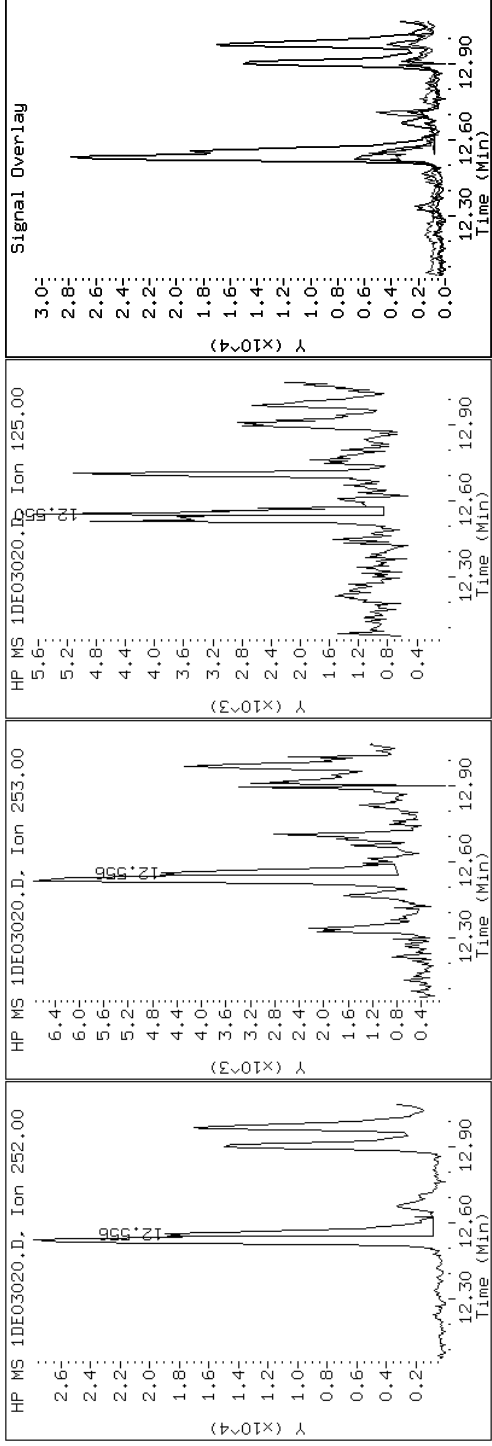
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

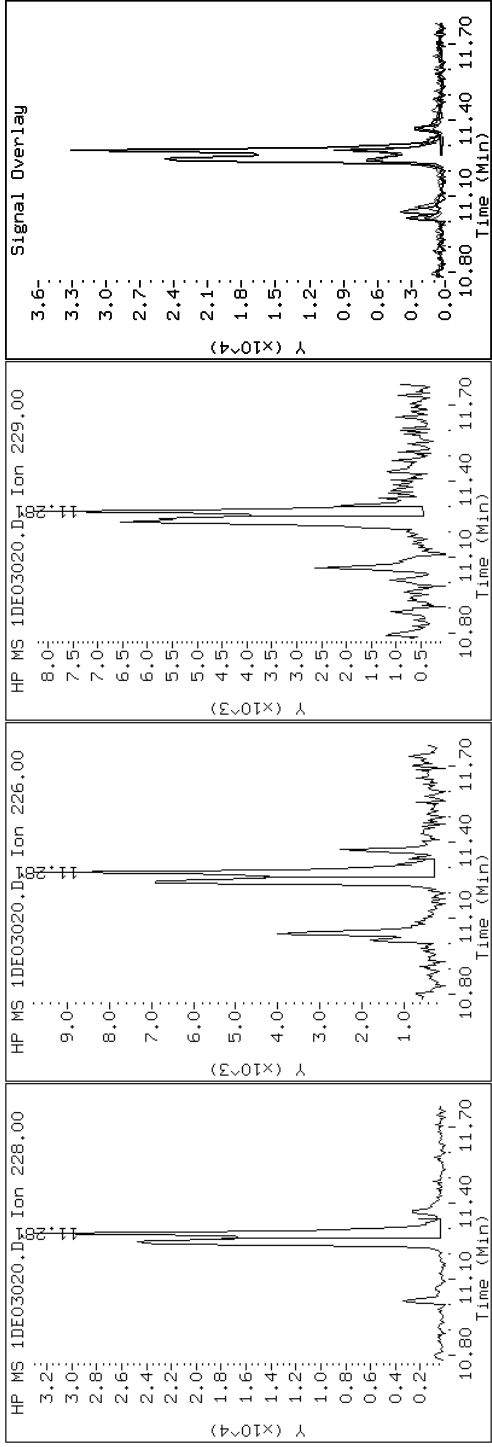
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

18 Chrysene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

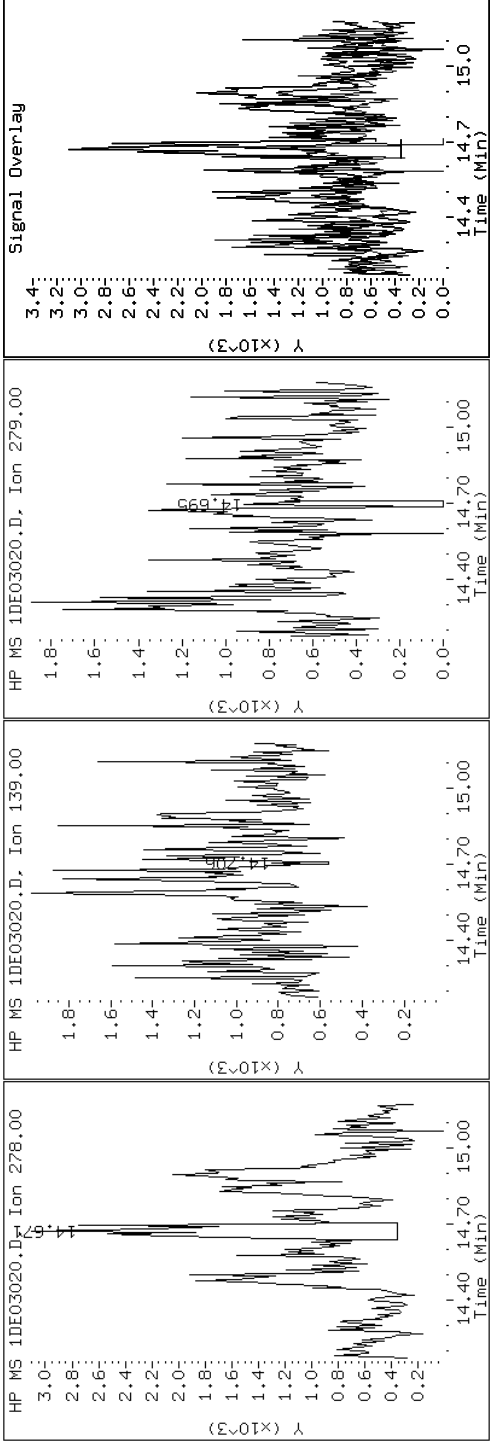
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

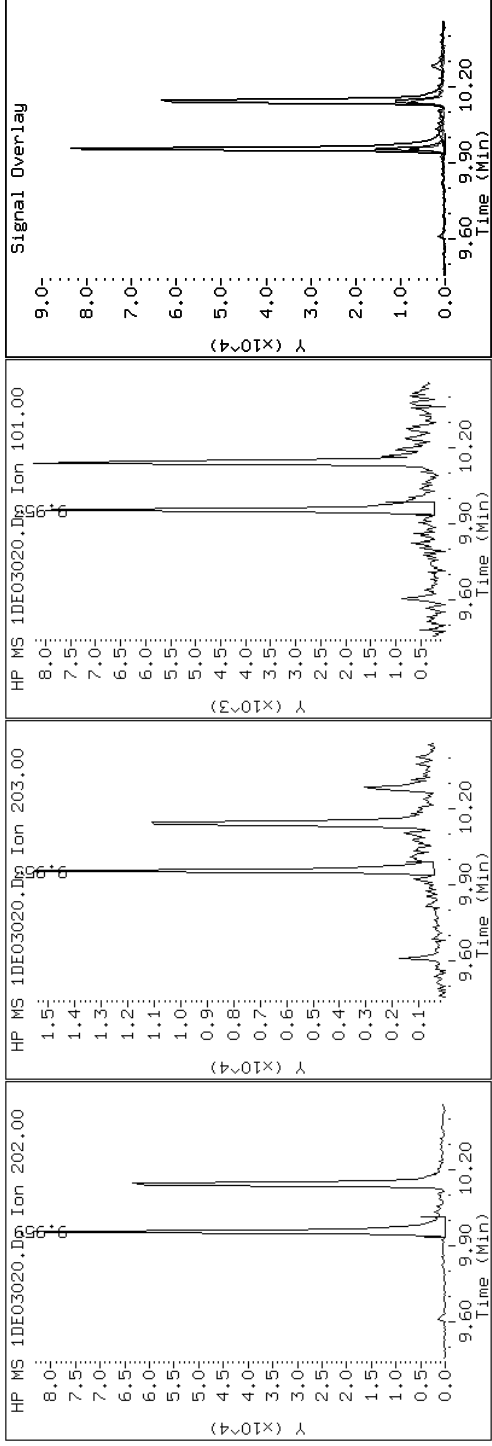
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

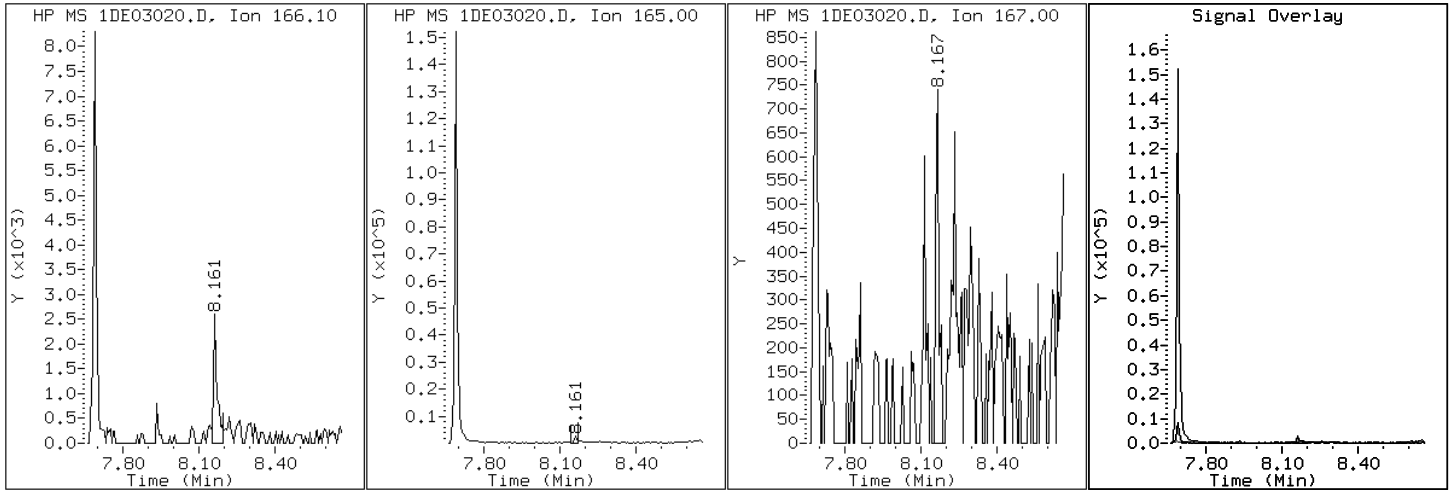
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

8 Fluorene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

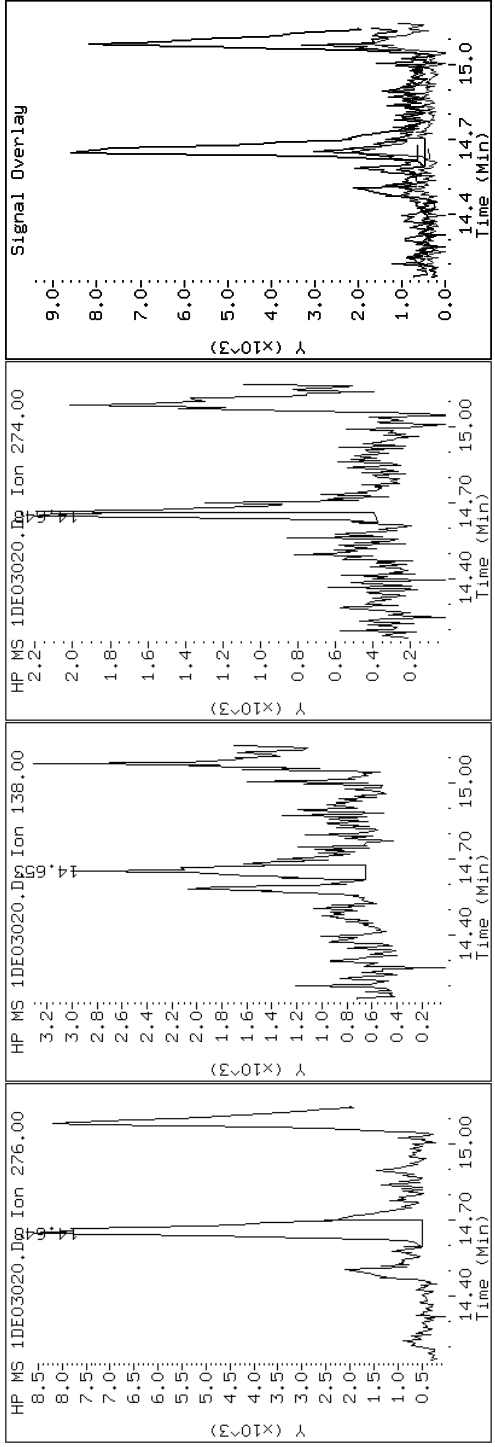
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

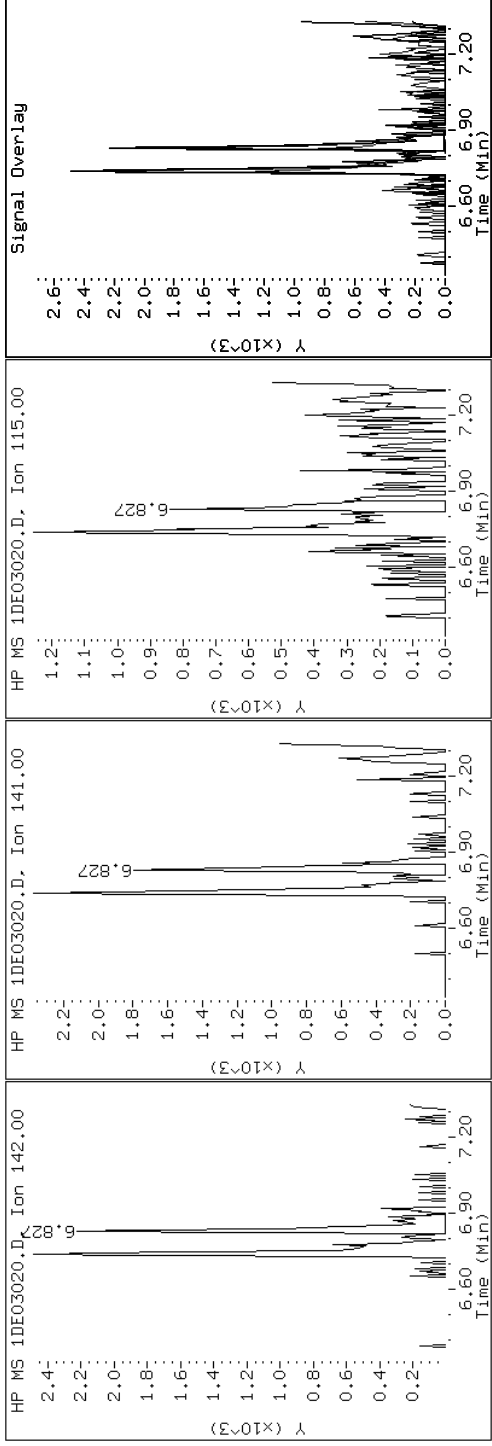
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

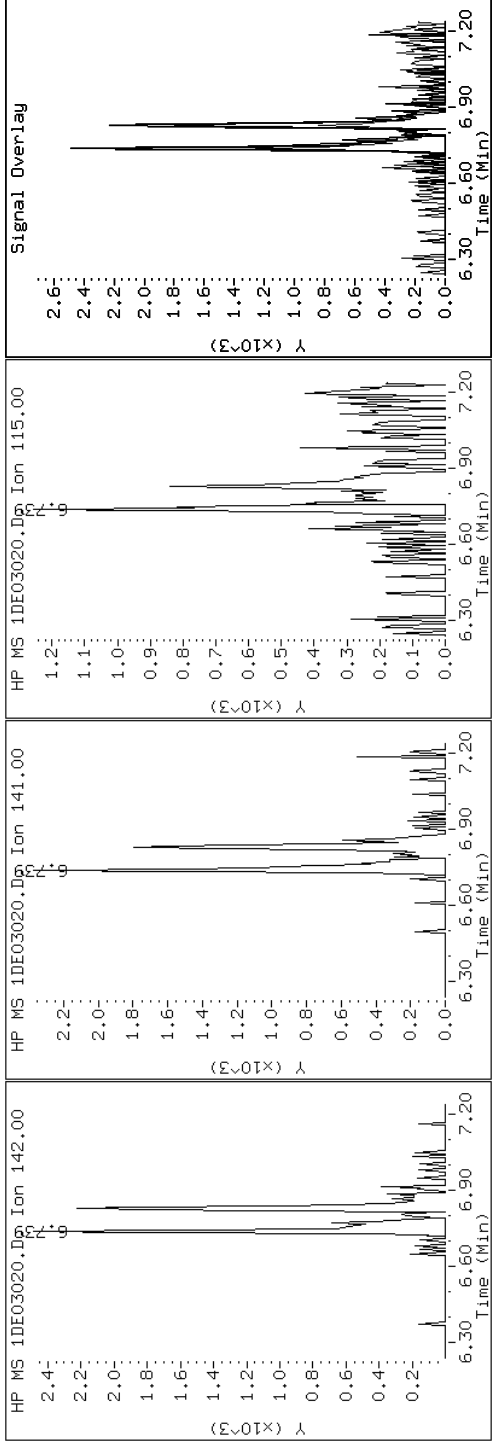
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

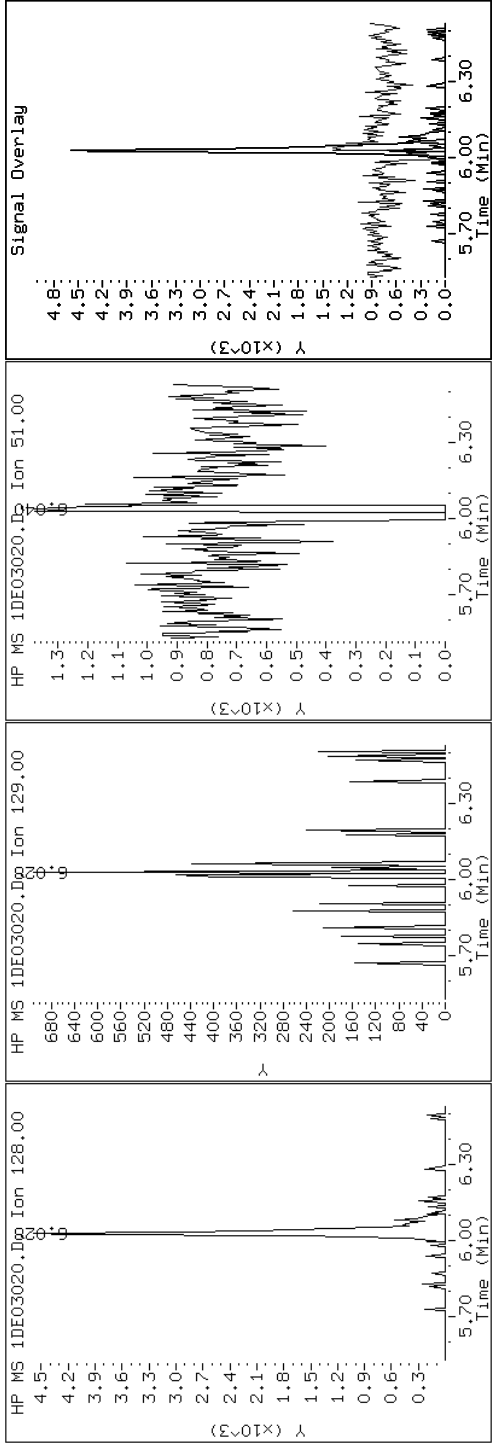
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

2 Naphthalene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

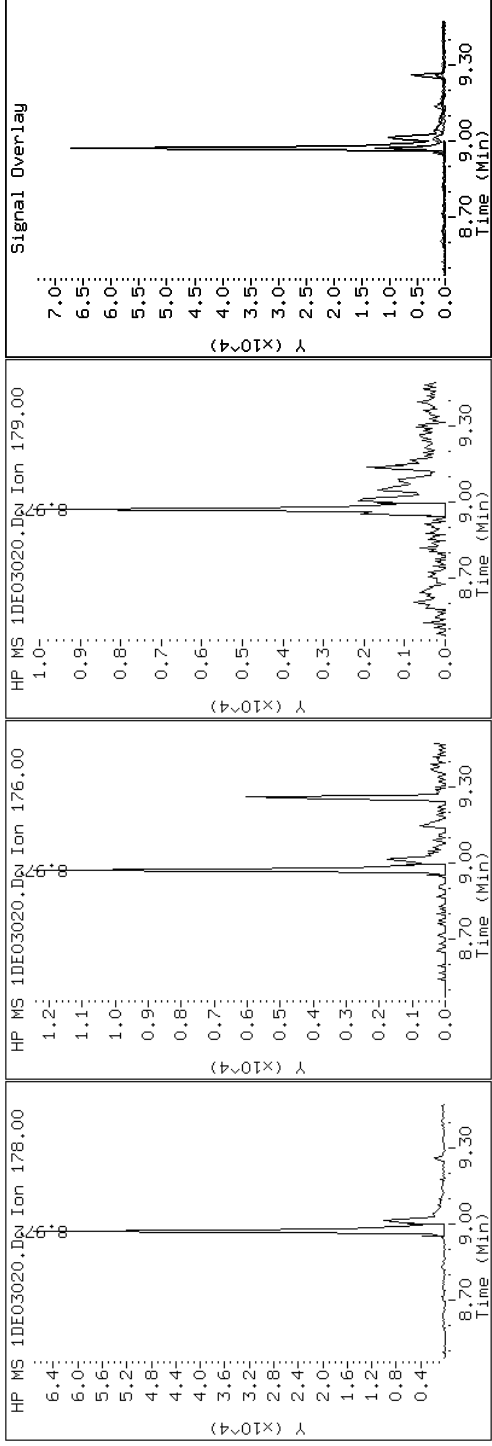
Client ID: FM0245C-CS-SP

Instrument: BSMDS.i

Sample Info: 680-89791-a-47-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03020.D

Date: 03-MAY-2013 17:07

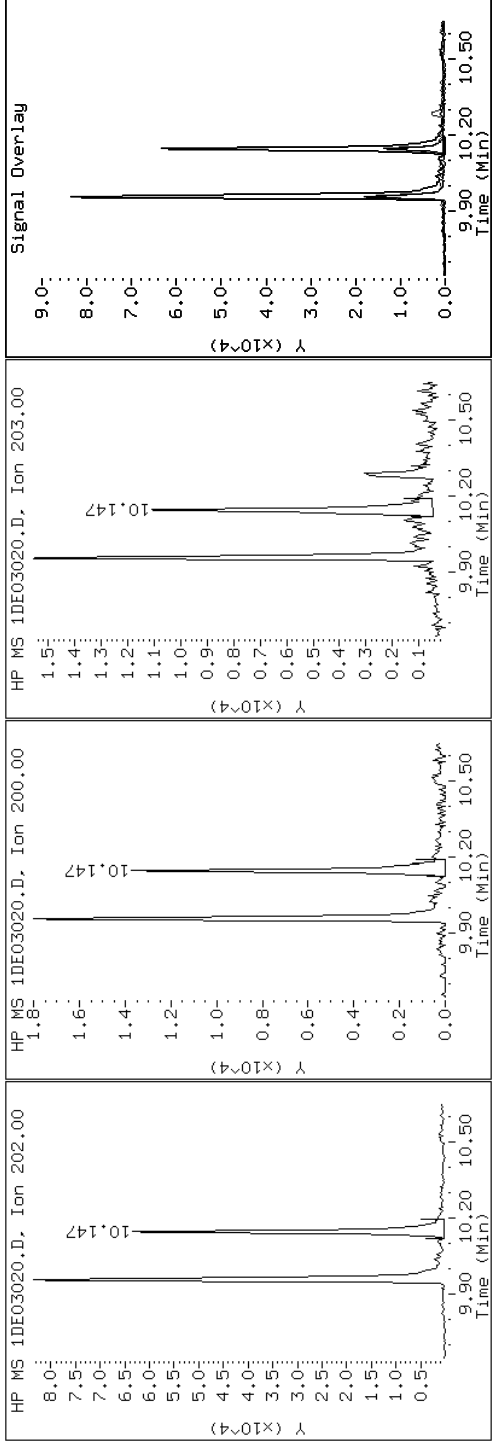
Client ID: FM0245C-CS-SP

Instrument: BSMSD.i

Sample Info: 680-89791-a-47-a

Operator: SCC

15 Pyrene

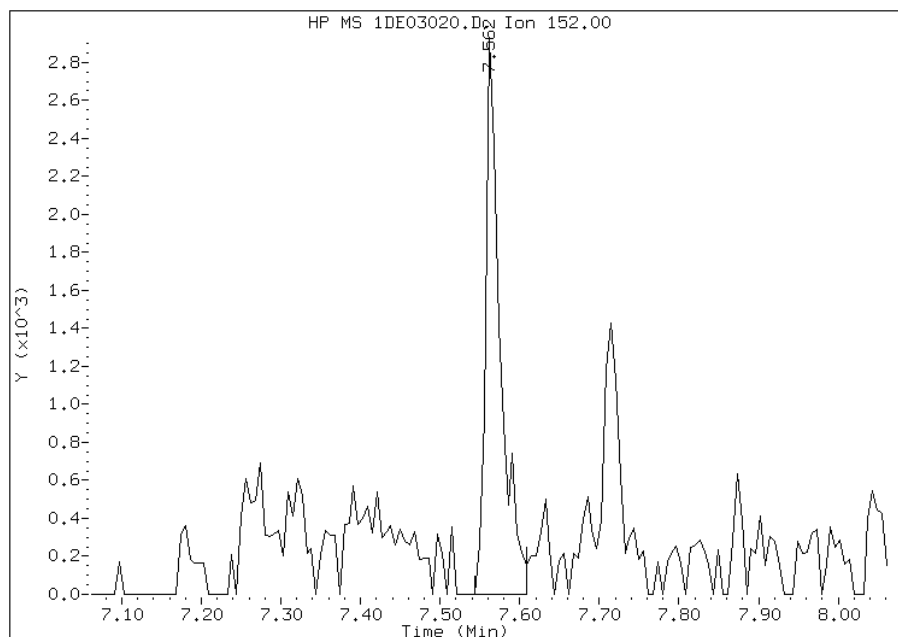


Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 5 Acenaphthylene
CAS #: 208-96-8
Report Date: 05/06/2013

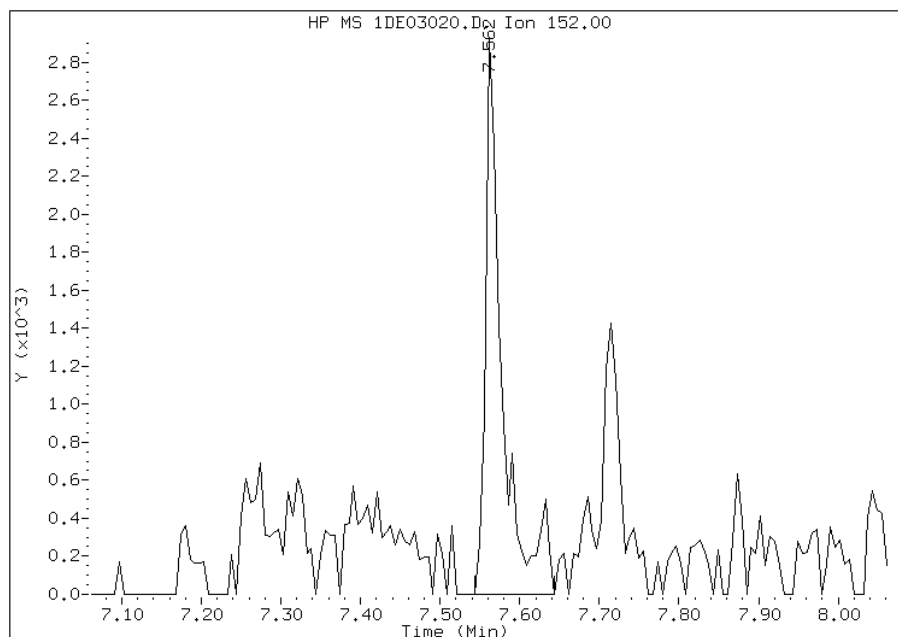
Processing Integration Results

RT: 7.56
Response: 3768
Amount: 0
Conc: 8



Manual Integration Results

RT: 7.56
Response: 4293
Amount: 0
Conc: 9



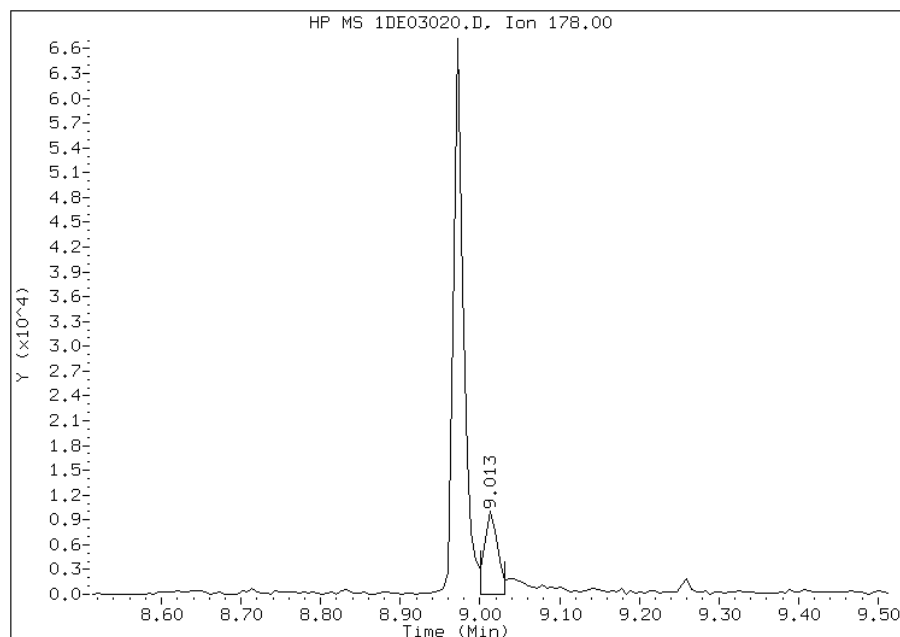
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 11 Anthracene
CAS #: 120-12-7
Report Date: 05/06/2013

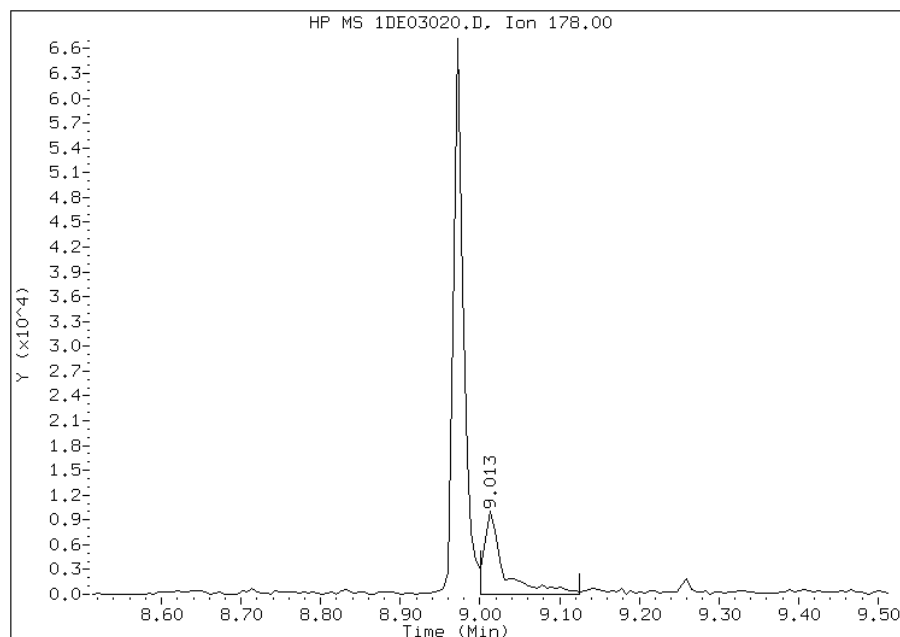
Processing Integration Results

RT: 9.01
Response: 11840
Amount: 0
Conc: 24



Manual Integration Results

RT: 9.01
Response: 17374
Amount: 0
Conc: 35



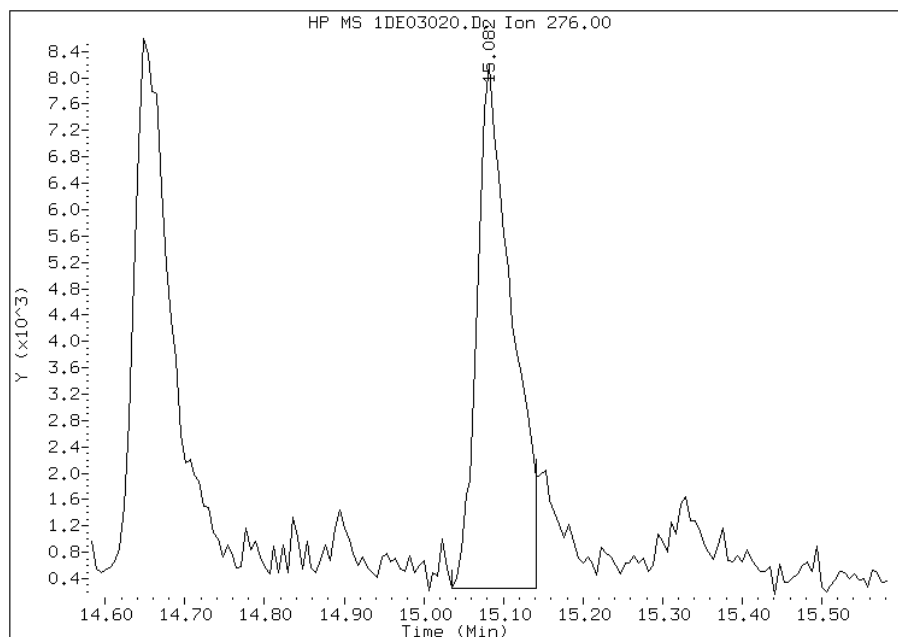
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

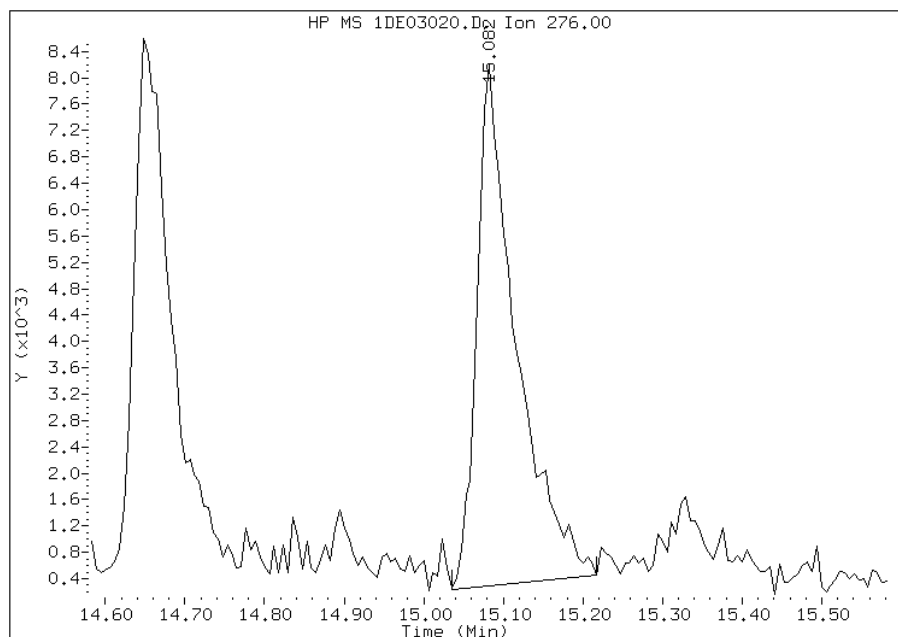
Processing Integration Results

RT: 15.08
Response: 24190
Amount: 1
Conc: 47



Manual Integration Results

RT: 15.08
Response: 27128
Amount: 1
Conc: 53



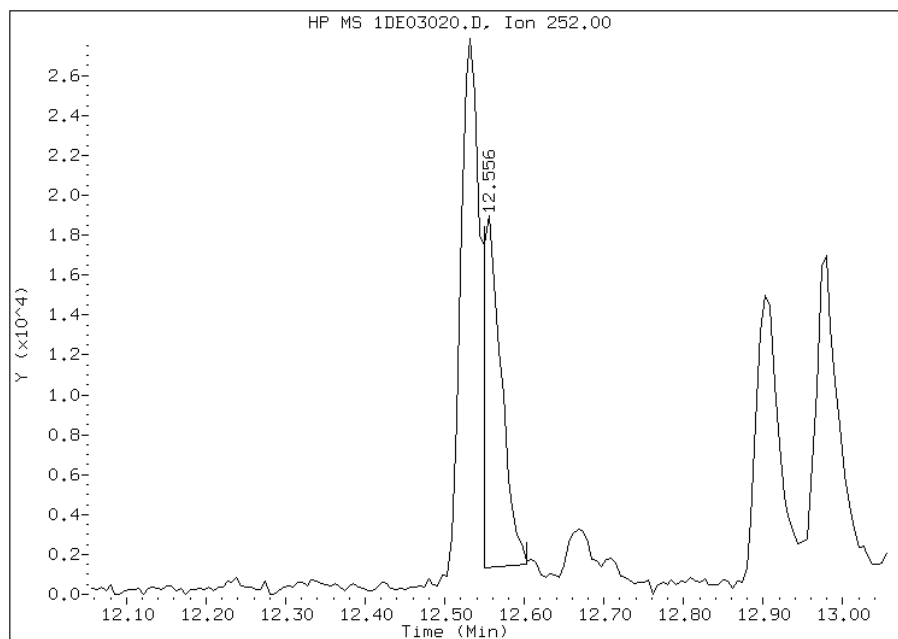
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:17
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

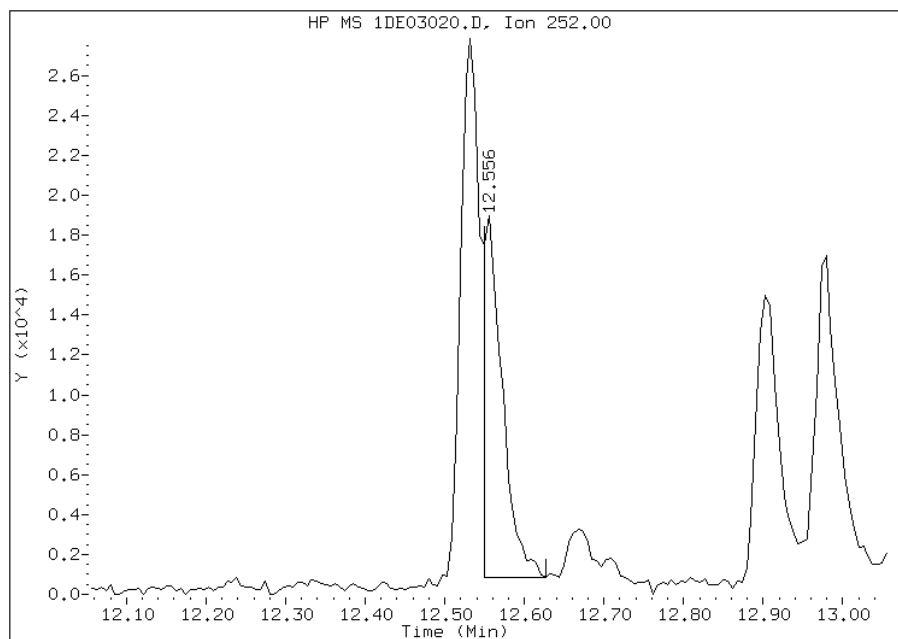
Processing Integration Results

RT: 12.56
Response: 27291
Amount: 1
Conc: 52



Manual Integration Results

RT: 12.56
Response: 29965
Amount: 1
Conc: 57



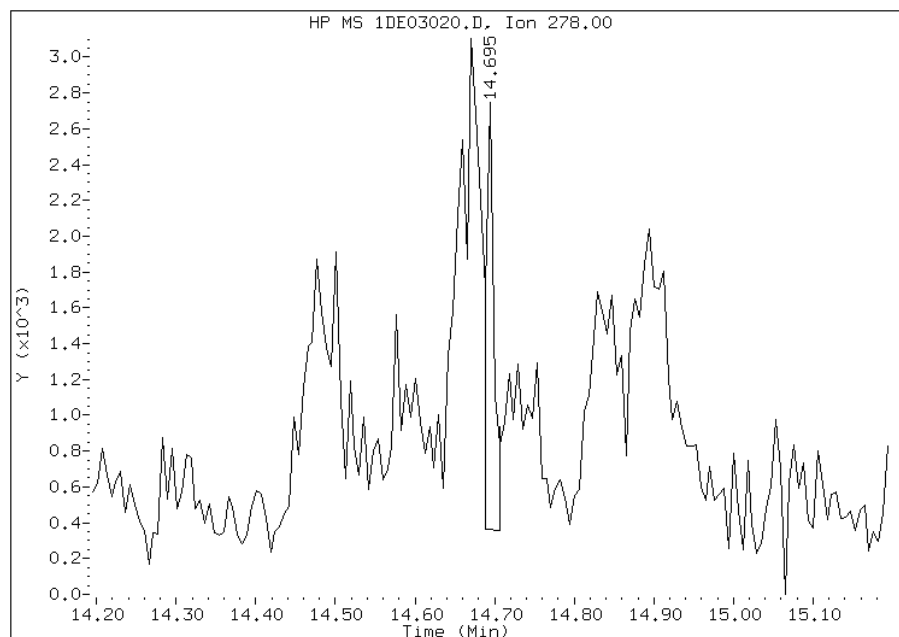
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:17
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

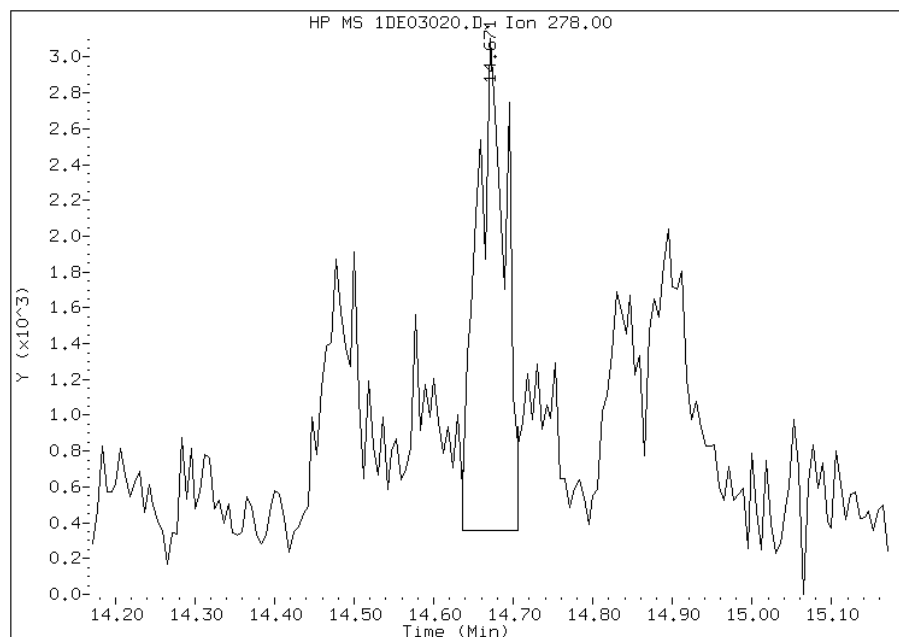
Processing Integration Results

RT: 14.69
Response: 1744
Amount: 0
Conc: 3



Manual Integration Results

RT: 14.67
Response: 6979
Amount: 0
Conc: 14



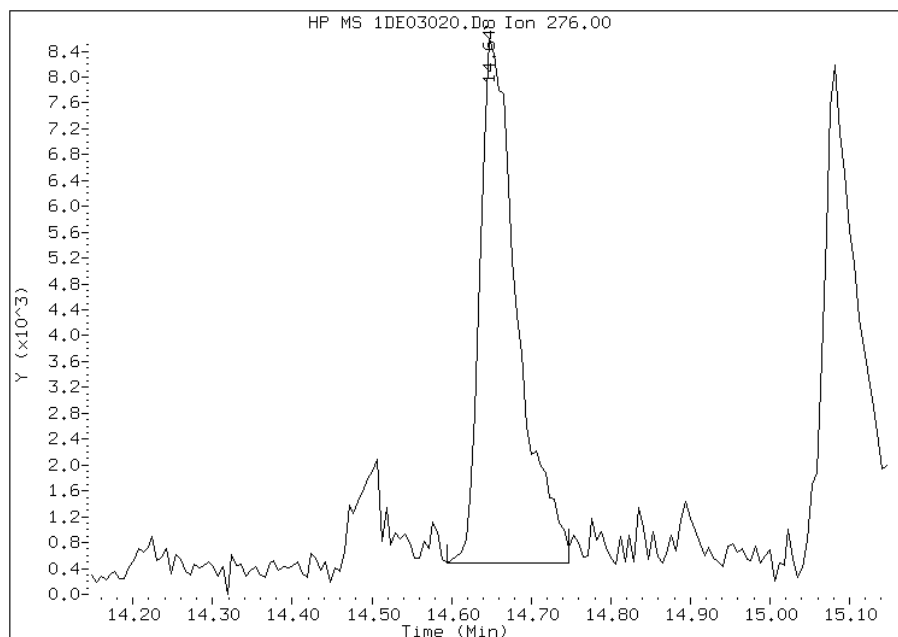
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:17
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

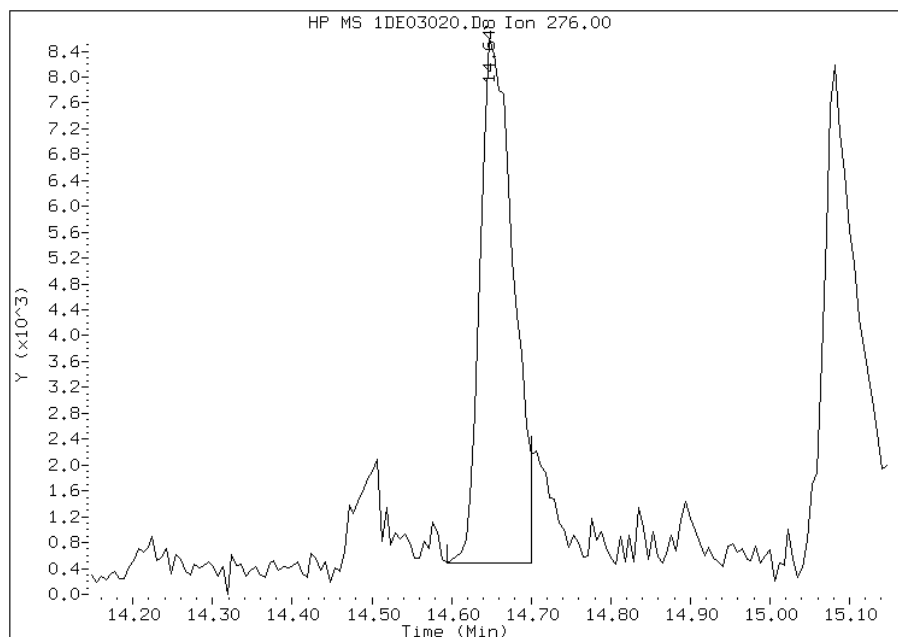
Processing Integration Results

RT: 14.65
Response: 26408
Amount: 1
Conc: 50



Manual Integration Results

RT: 14.65
Response: 23587
Amount: 1
Conc: 44



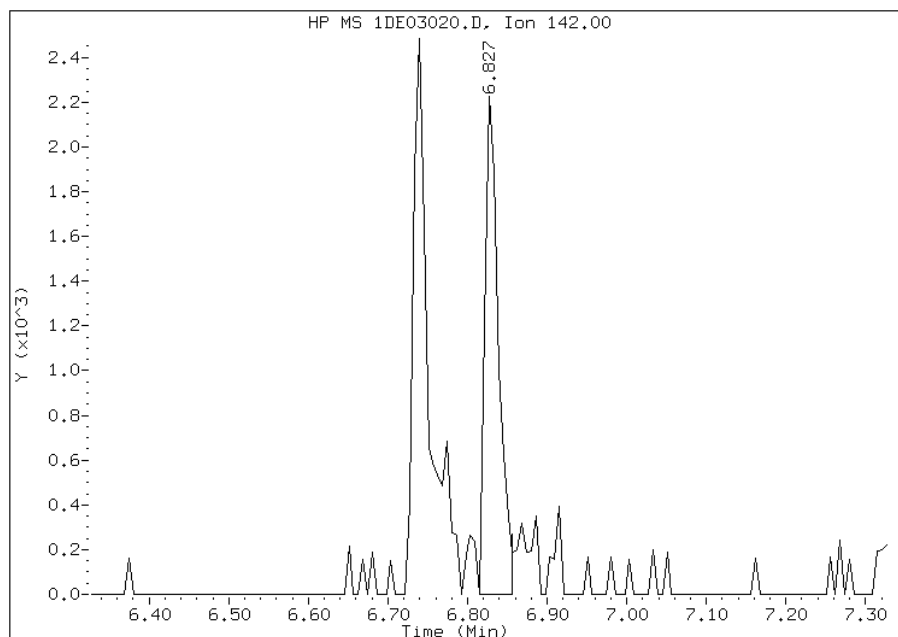
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:17
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

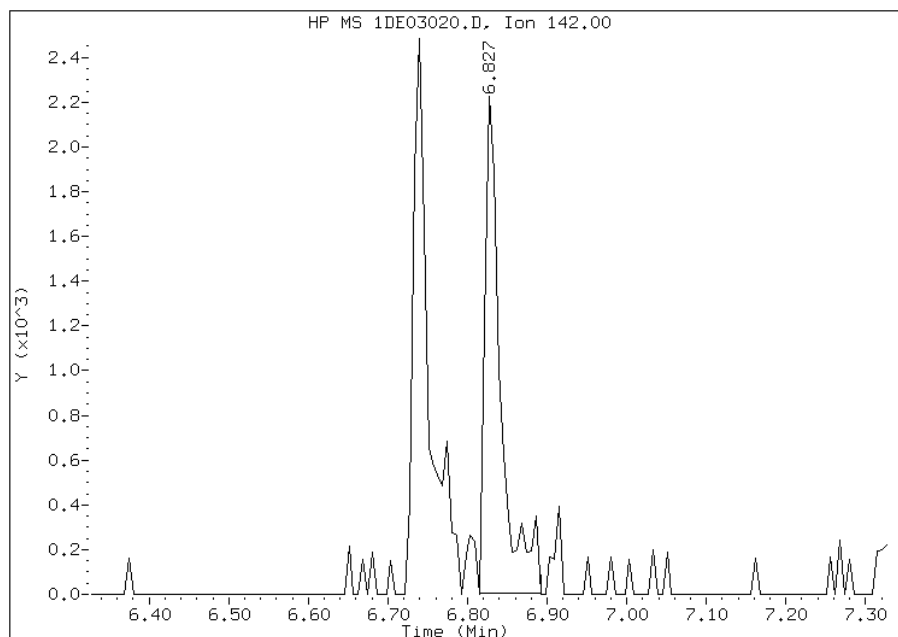
Processing Integration Results

RT: 6.83
Response: 2640
Amount: 0
Conc: 10



Manual Integration Results

RT: 6.83
Response: 3048
Amount: 0
Conc: 12



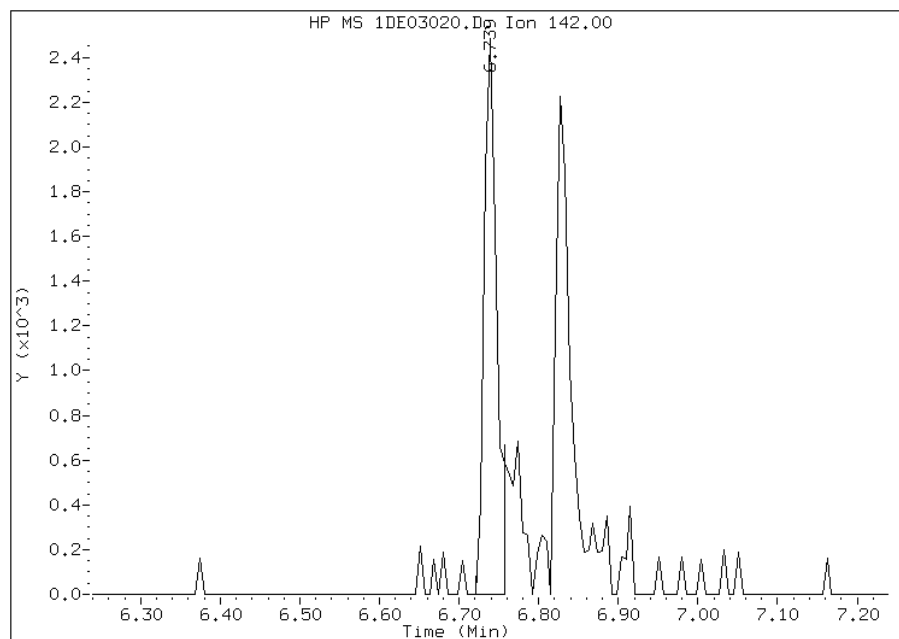
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

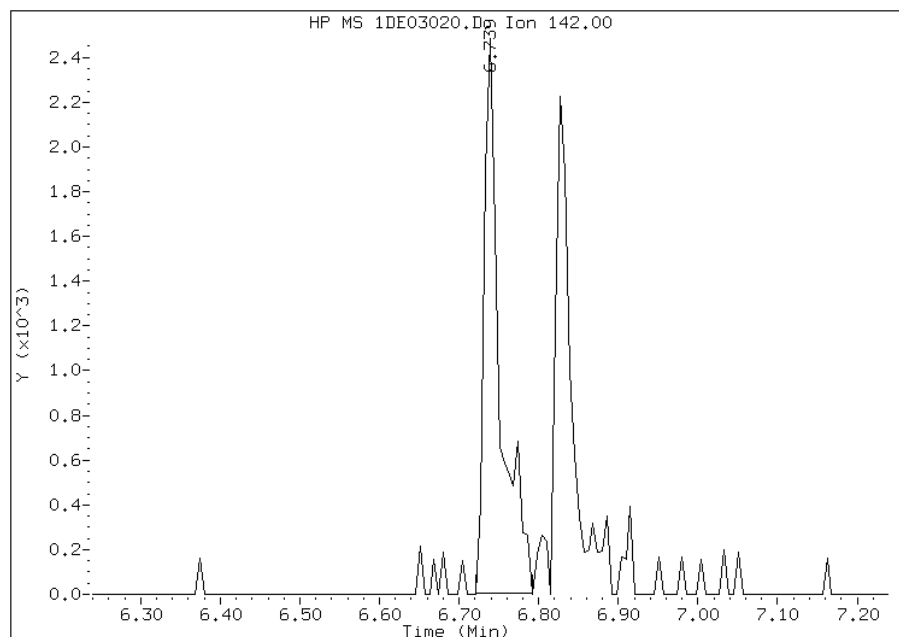
Processing Integration Results

RT: 6.74
Response: 2704
Amount: 0
Conc: 10



Manual Integration Results

RT: 6.74
Response: 3480
Amount: 0
Conc: 13



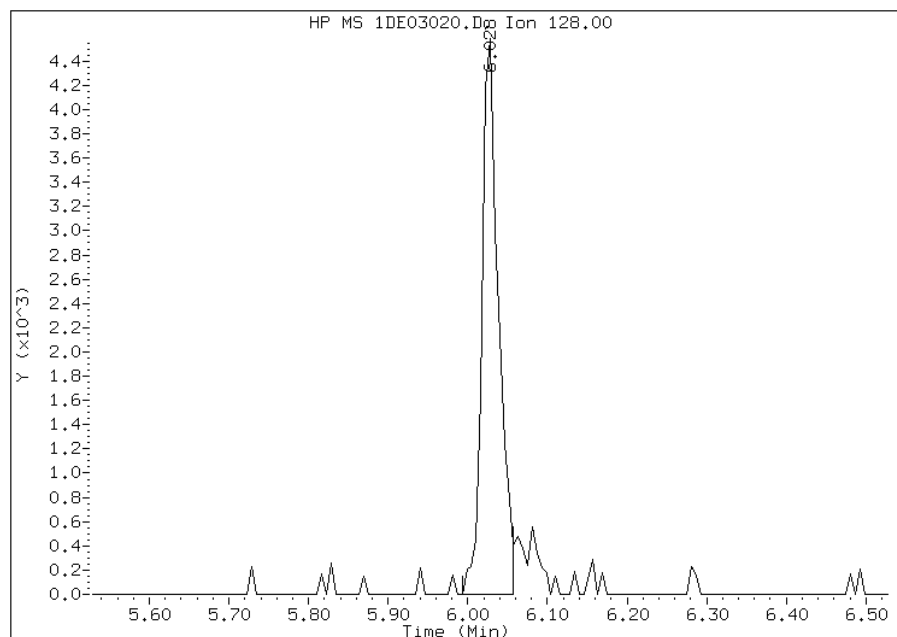
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:15
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03020.D
Inj. Date and Time: 03-MAY-2013 17:07
Instrument ID: BSMSD.i
Client ID: FM0245C-CS-SP
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

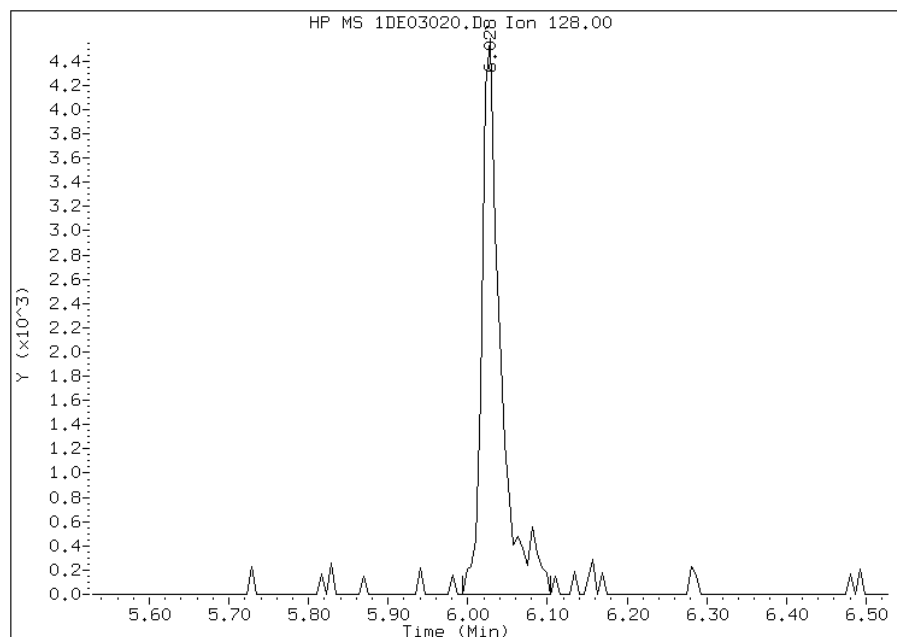
Processing Integration Results

RT: 6.03
Response: 6648
Amount: 0
Conc: 16



Manual Integration Results

RT: 6.03
Response: 7477
Amount: 0
Conc: 18



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:15
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1142A-CS Lab Sample ID: 680-89791-48
 Matrix: Solid Lab File ID: 1DE03021.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 08:48
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15(g) Date Analyzed: 05/03/2013 17:30
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 18.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130		120	25
208-96-8	Acenaphthylene	31	J	49	6.1
120-12-7	Anthracene	440		10	5.1
56-55-3	Benzo[a]anthracene	1000		9.8	4.8
50-32-8	Benzo[a]pyrene	910		13	6.4
205-99-2	Benzo[b]fluoranthene	1300		15	7.5
191-24-2	Benzo[g,h,i]perylene	560		25	5.4
207-08-9	Benzo[k]fluoranthene	690		9.8	4.4
218-01-9	Chrysene	1100		11	5.5
53-70-3	Dibenz(a,h)anthracene	160		25	5.0
206-44-0	Fluoranthene	3200		25	4.9
86-73-7	Fluorene	140		25	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	380		25	8.7
90-12-0	1-Methylnaphthalene	72		49	5.4
91-57-6	2-Methylnaphthalene	70		49	8.7
91-20-3	Naphthalene	81		49	5.4
85-01-8	Phenanthrene	2600		9.8	4.8
129-00-0	Pyrene	2300		25	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	43		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03021.D
 Lab Smp Id: 680-89791-A-48-A Client Smp ID: CV1142A-CS
 Inj Date : 03-MAY-2013 17:30
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-48-a
 Misc Info : 680-89791-A-48-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 22
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	18.393	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL	ON-COLUMN	FINAL	
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.002	6.004	(1.000)	1378494	40.0000	
* 6 Acenaphthene-d10	164	7.688	7.690	(1.000)	910789	40.0000	
* 9 Phenanthrene-d10	188	8.957	8.953	(1.000)	1531334	40.0000	
\$ 13 o-Terphenyl	230	9.257	9.259	(1.033)	98856	4.28446	350
* 17 Chrysene-d12	240	11.266	11.257	(1.000)	1699093	40.0000	
* 22 Perylene-d12	264	13.088	13.066	(1.000)	1716531	40.0000	
2 Naphthalene	128	6.025	6.027	(1.004)	33902	0.98946	81(M)
3 2-Methylnaphthalene	142	6.736	6.738	(1.122)	18915	0.85519	70(M)
4 1-Methylnaphthalene	142	6.830	6.826	(1.138)	18314	0.87681	72(M)
5 Acenaphthylene	152	7.565	7.561	(0.984)	14646	0.37994	31(M)
7 Acenaphthene	154	7.717	7.714	(1.004)	36830	1.54782	130
8 Fluorene	166	8.158	8.160	(1.061)	46621	1.65453	140
10 Phenanthrene	178	8.975	8.971	(1.002)	1357482	32.1830	2600
11 Anthracene	178	9.016	9.012	(1.007)	226823	5.41797	440

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.163	9.159	(1.023)	153523	4.15741	340
14 Fluoranthene	202	9.962	9.958	(1.112)	1718930	39.6018	3200
15 Pyrene	202	10.150	10.146	(0.901)	1407014	27.5757	2200
16 Benzo(a)anthracene	228	11.249	11.239	(0.998)	619689	12.6147	1000
18 Chrysene	228	11.290	11.280	(1.002)	634553	13.7764	1100
19 Benzo(b)fluoranthene	252	12.547	12.526	(0.959)	685696	15.9913	1300(M)
20 Benzo(k)fluoranthene	252	12.565	12.567	(0.960)	379480	8.40049	690(M)
21 Benzo(a)pyrene	252	12.994	12.978	(0.993)	480798	11.1596	910
23 Indeno(1,2,3-cd)pyrene	276	14.674	14.647	(1.121)	212264	4.62046	380(M)
24 Dibenzo(a,h)anthracene	278	14.686	14.670	(1.122)	85045	1.96586	160
25 Benzo(g,h,i)perylene	276	15.103	15.081	(1.154)	302819	6.84586	560(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03021.D

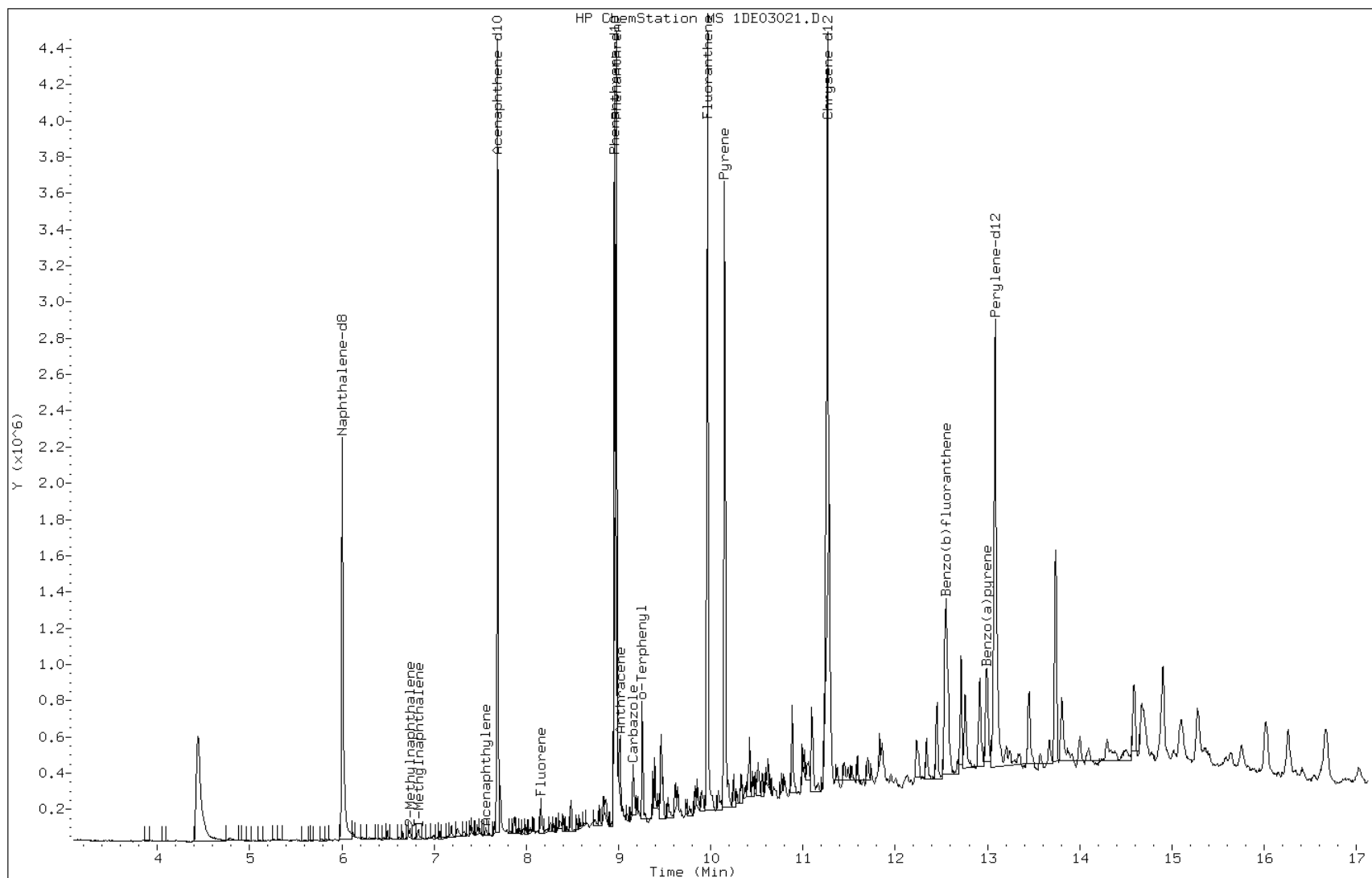
Date: 03-MAY-2013 17:30

Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

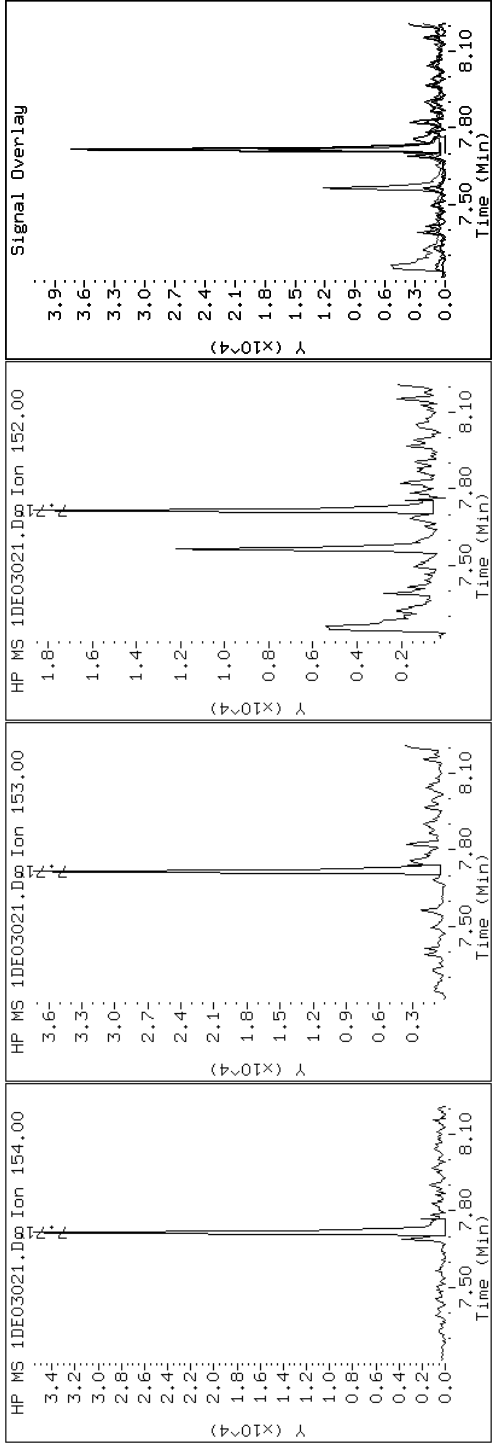
Client ID: CV1142A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-48-a

Operator: SCC

7 Acenaphthene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

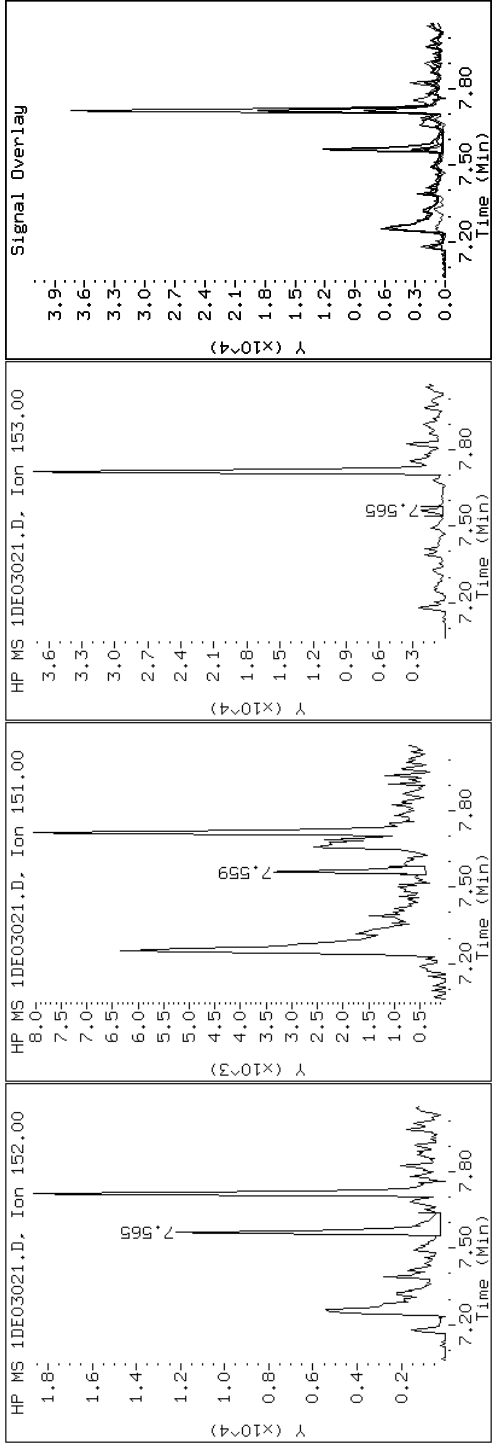
Client ID: CV1142A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

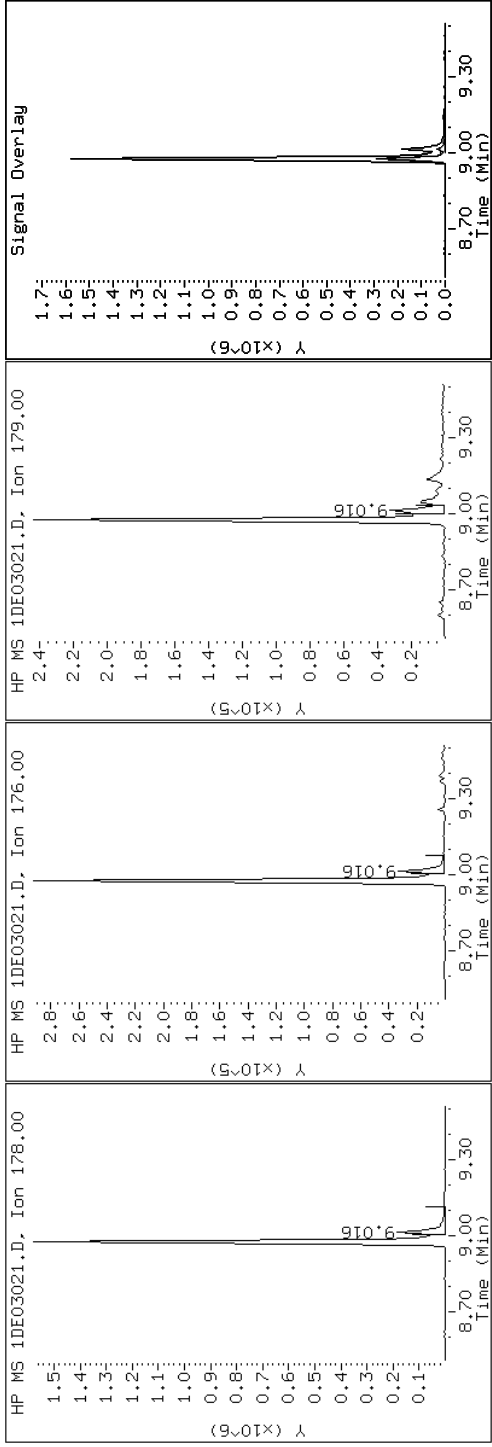
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

11 Anthracene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

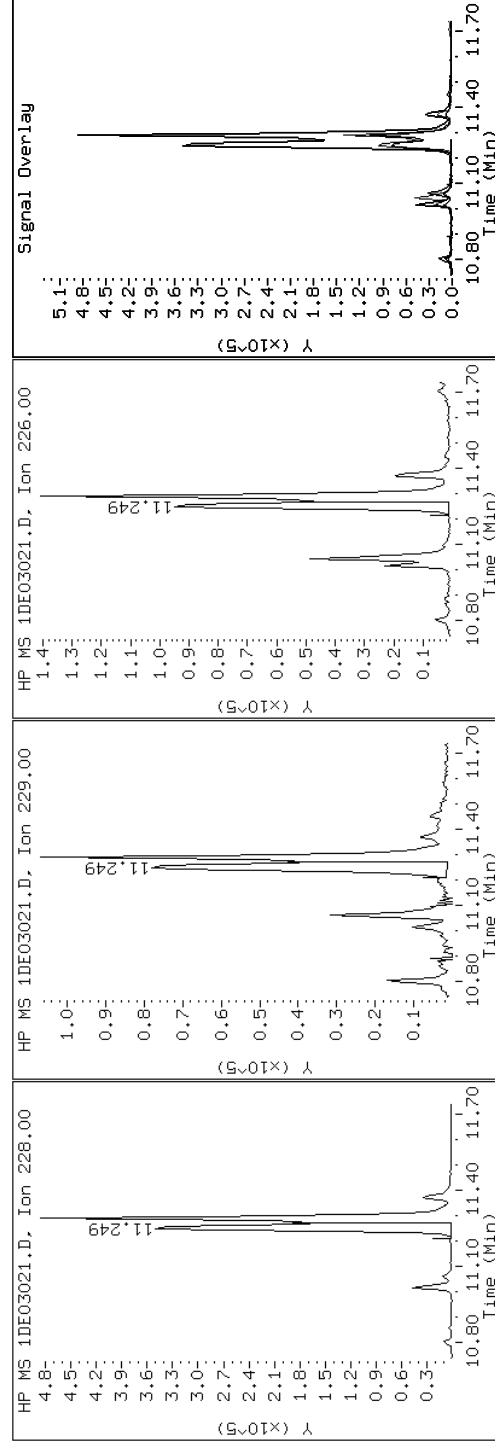
Client ID: CV1142A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-48-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

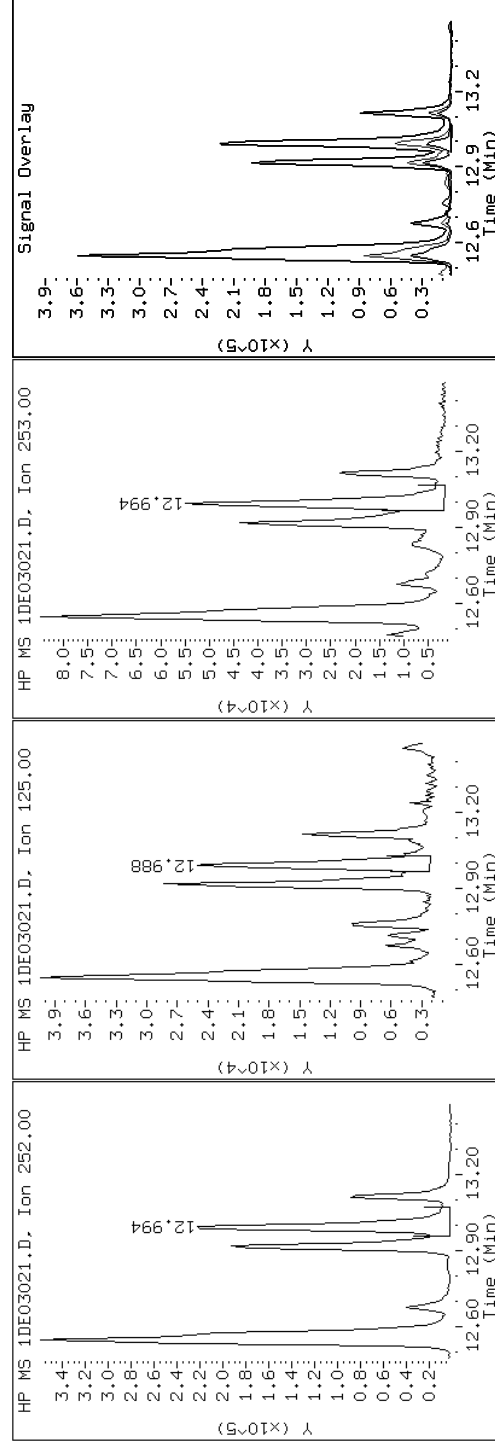
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

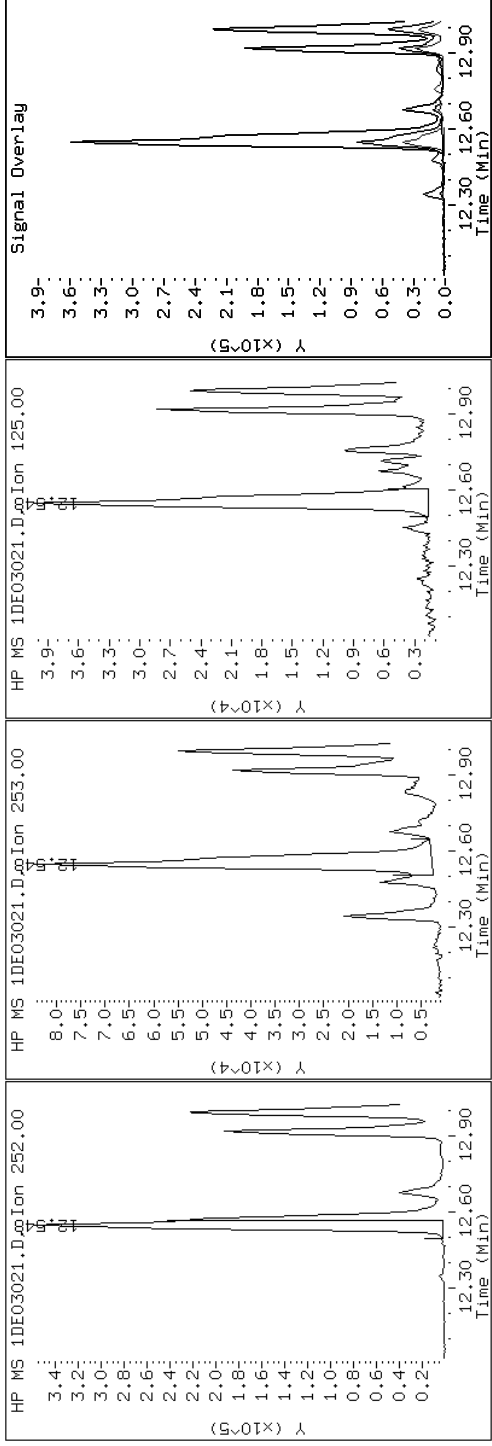
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

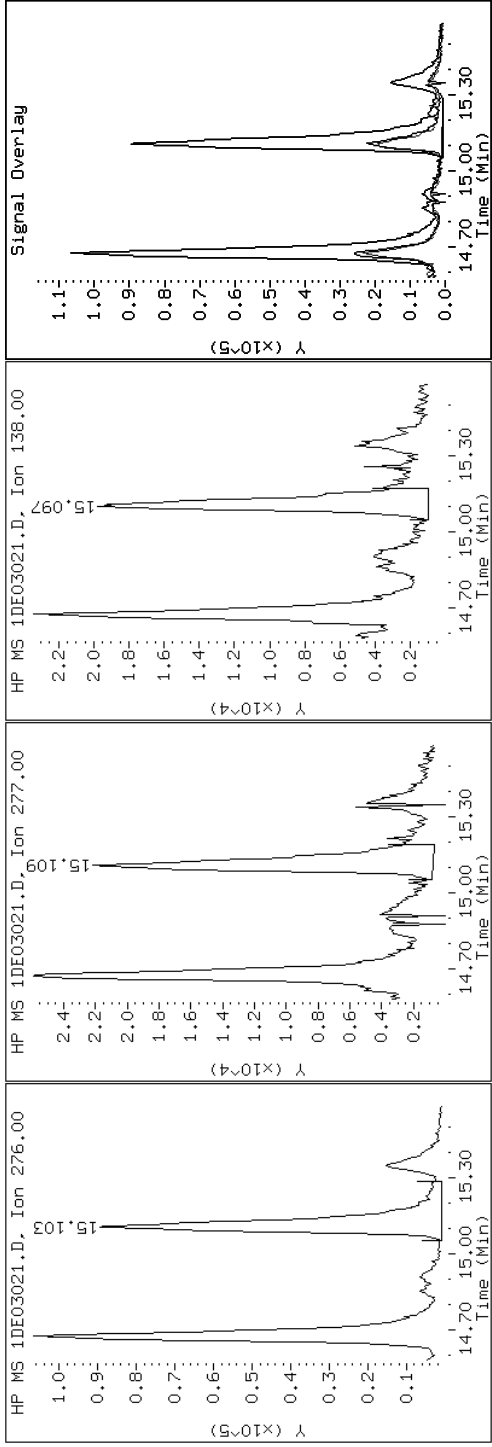
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

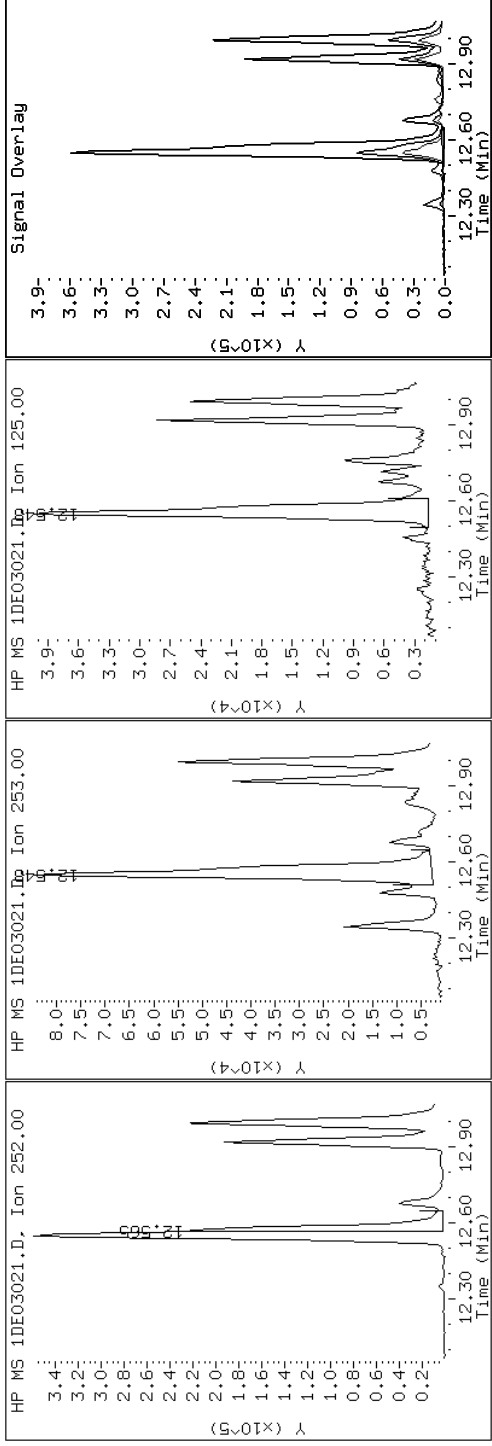
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

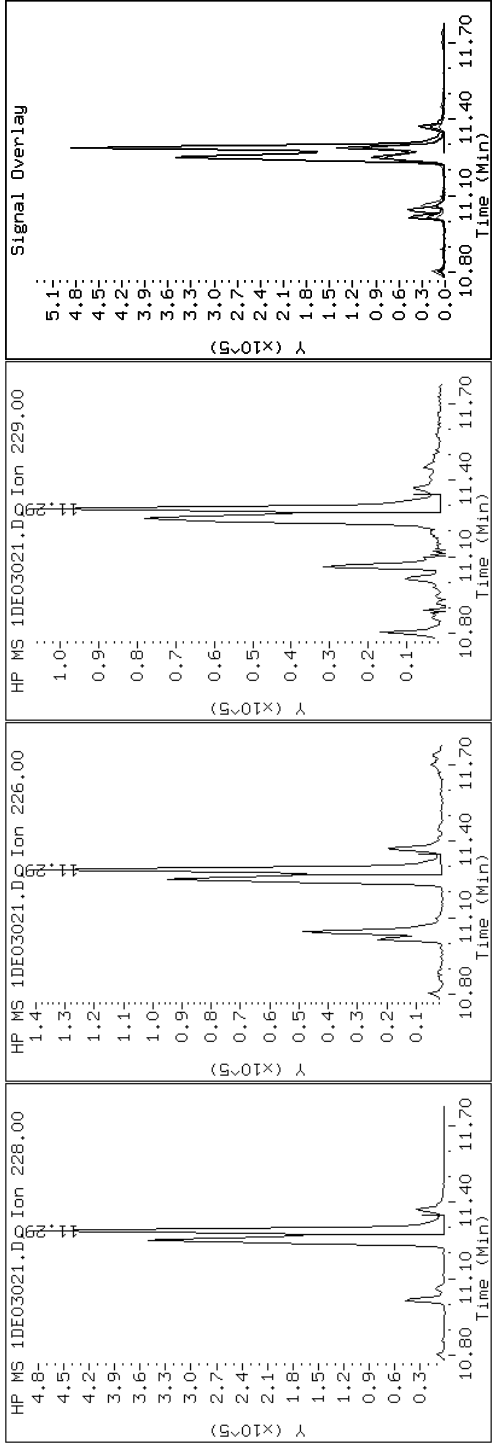
Client ID: CV1142A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-48-a

Operator: SCC

18 Chrysene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

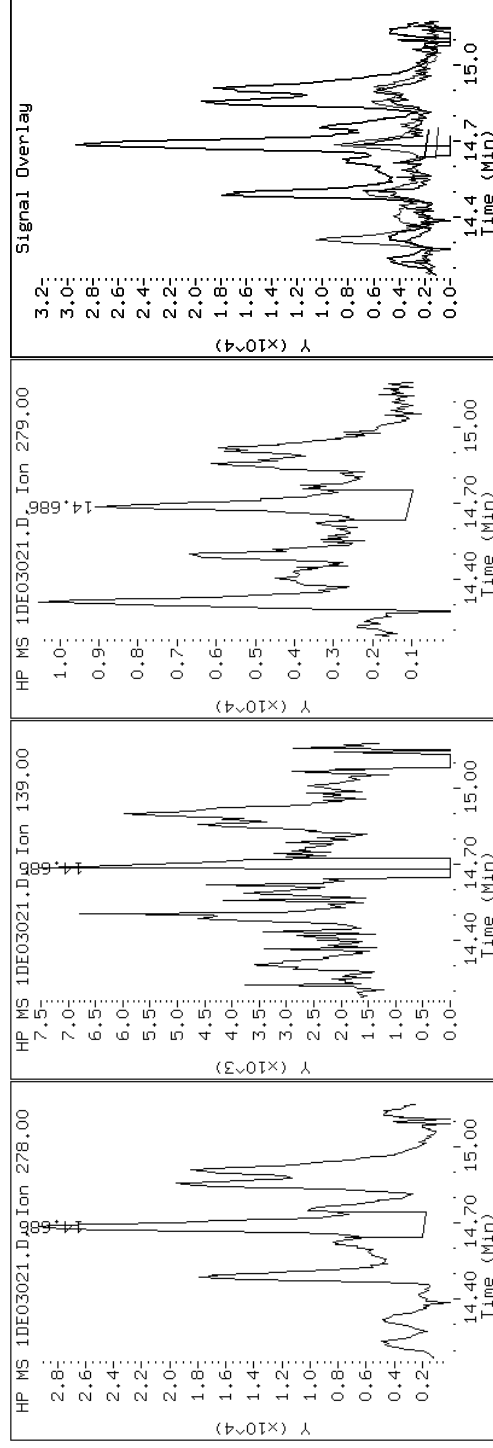
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

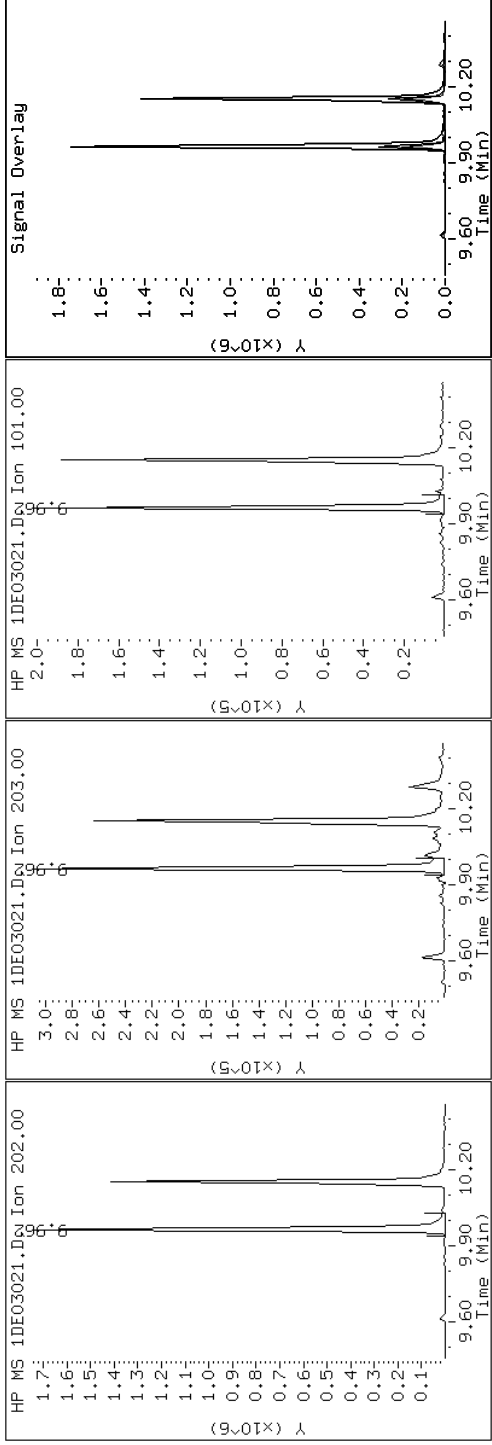
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

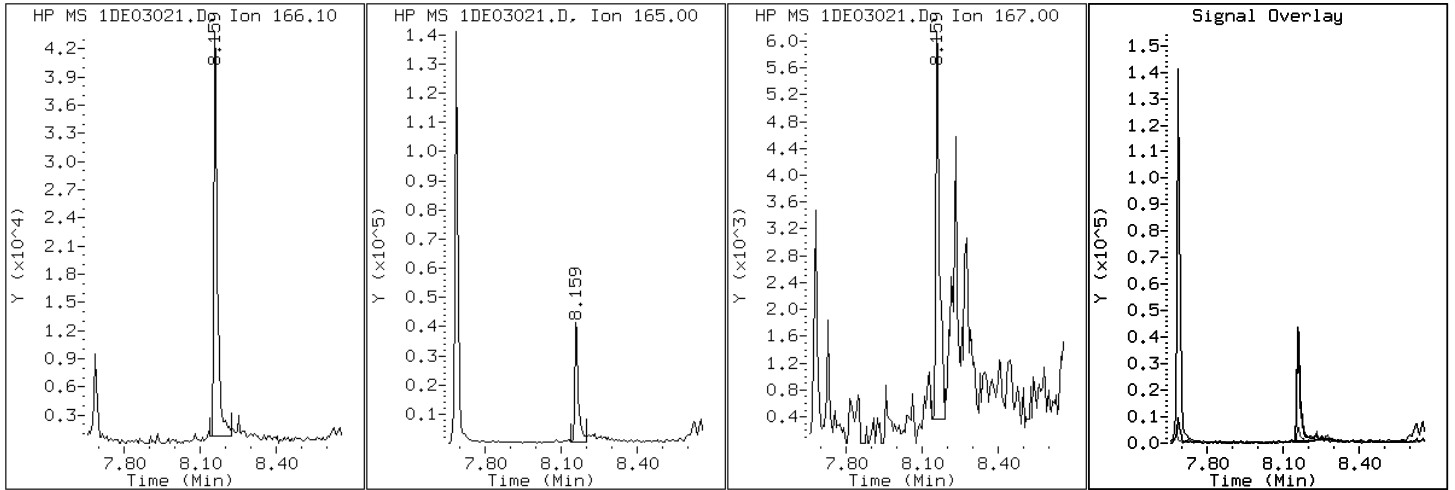
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

8 Fluorene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

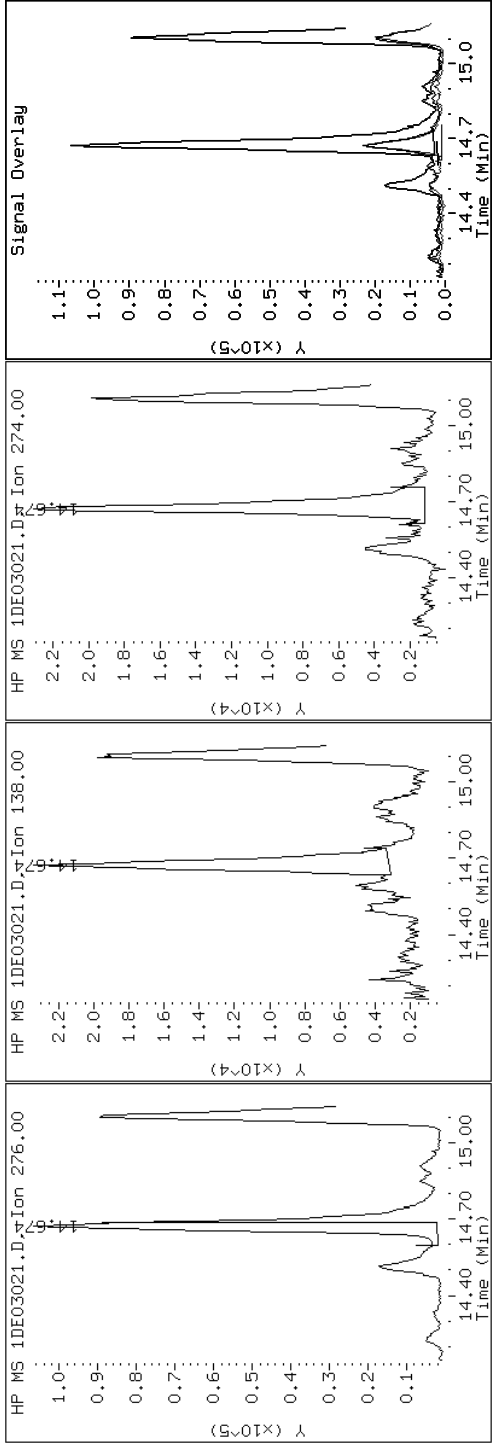
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

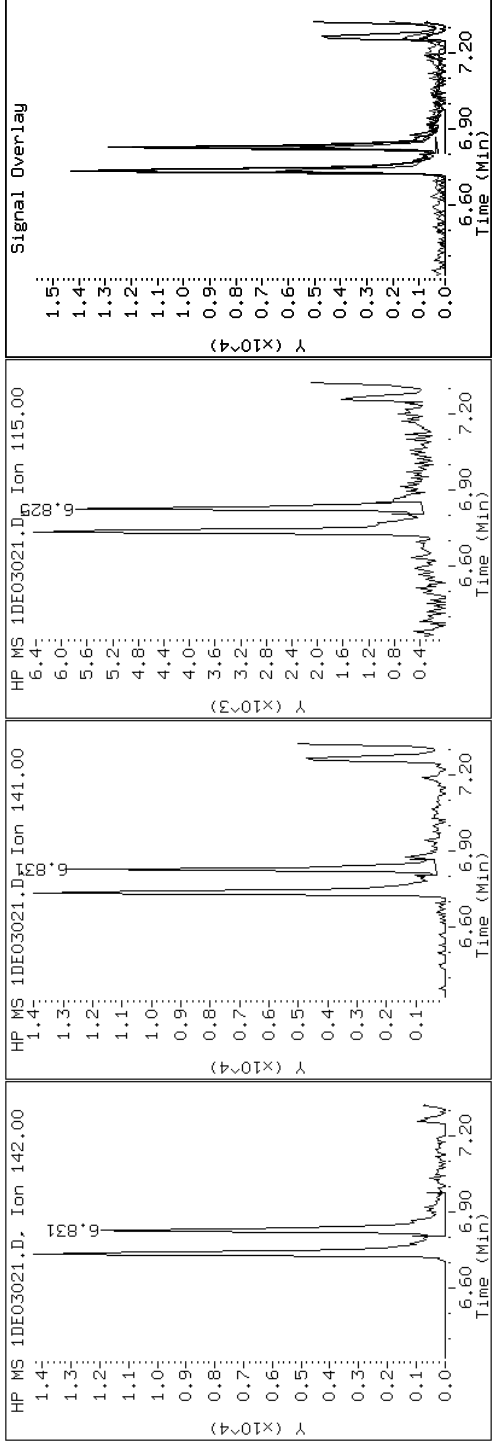
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

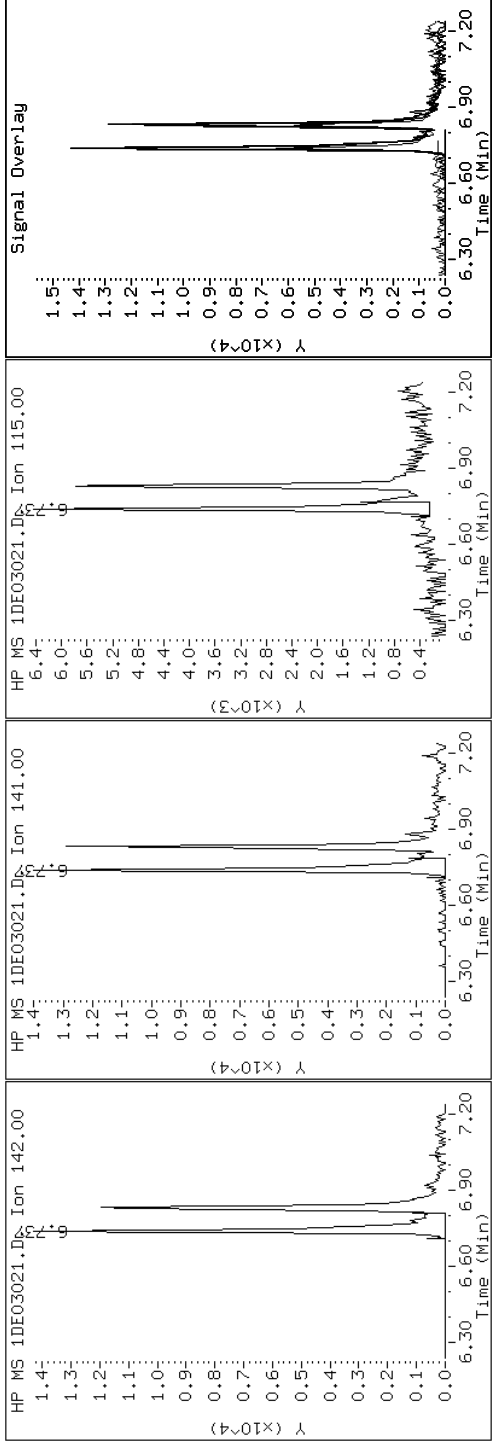
Client ID: CV1142A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-48-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

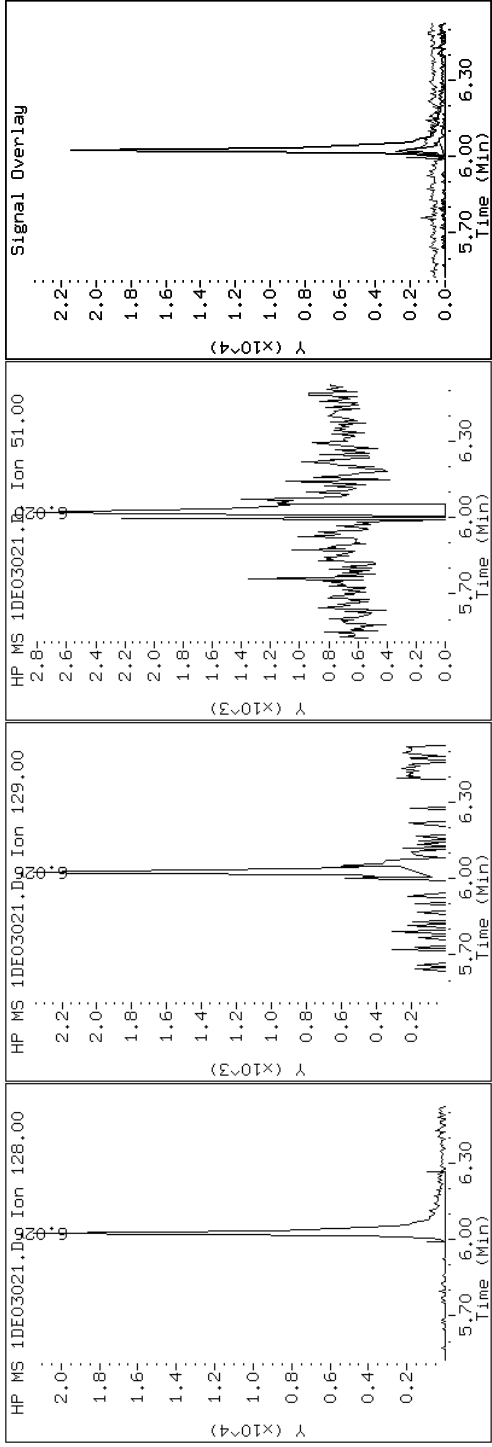
Client ID: CV1142A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

2 Naphthalene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

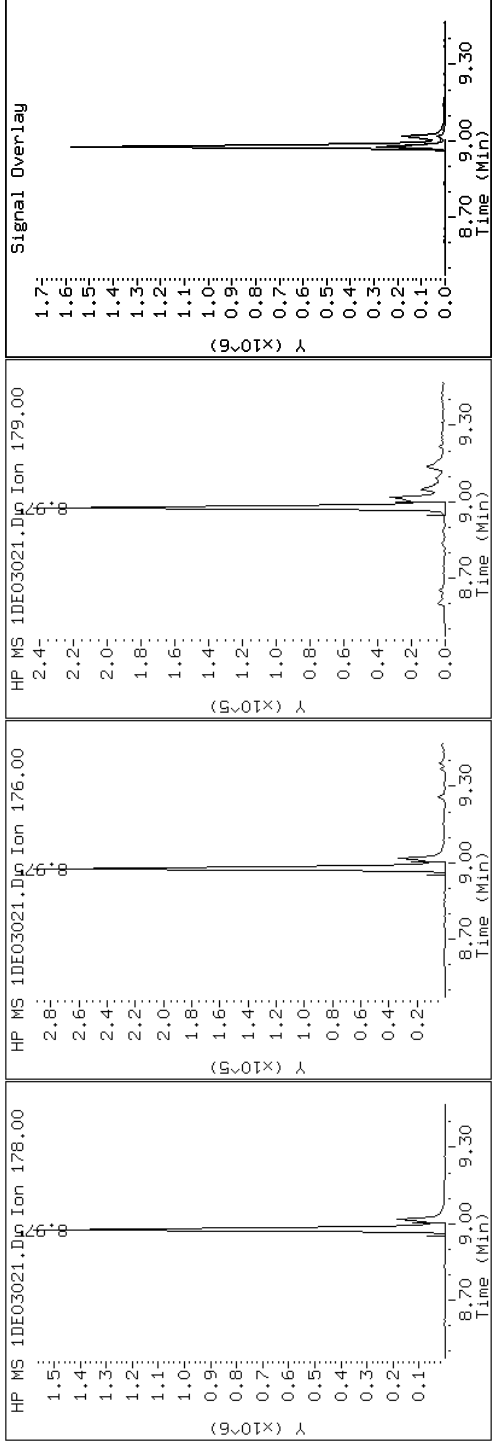
Client ID: CV1142A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-48-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03021.D

Date: 03-MAY-2013 17:30

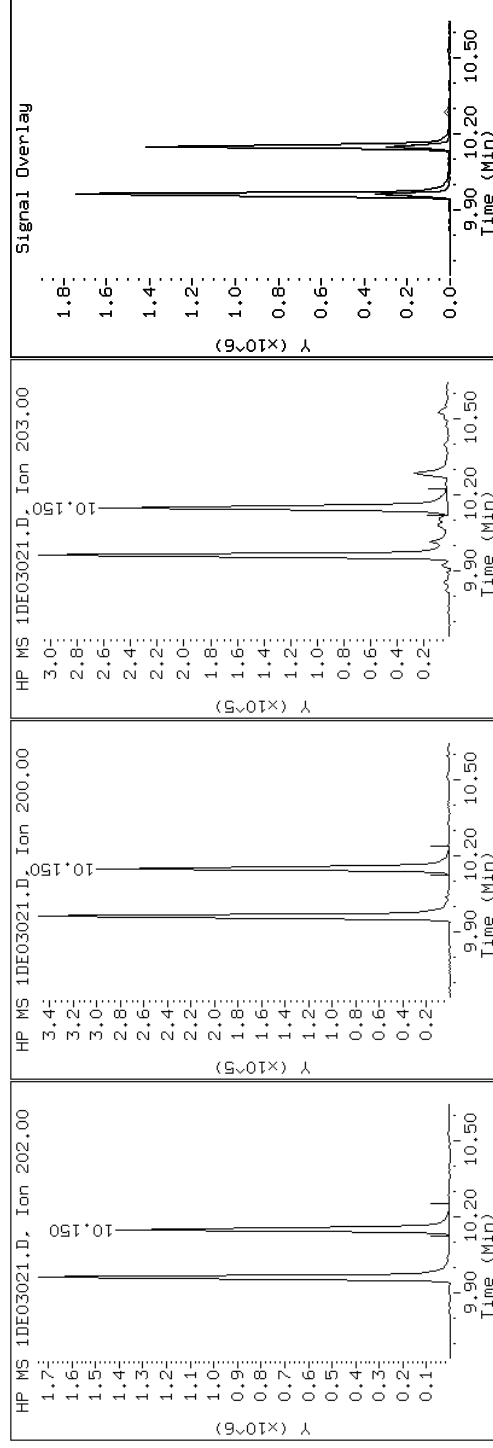
Client ID: CV1142A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-48-a

Operator: SCC

15 Pyrene

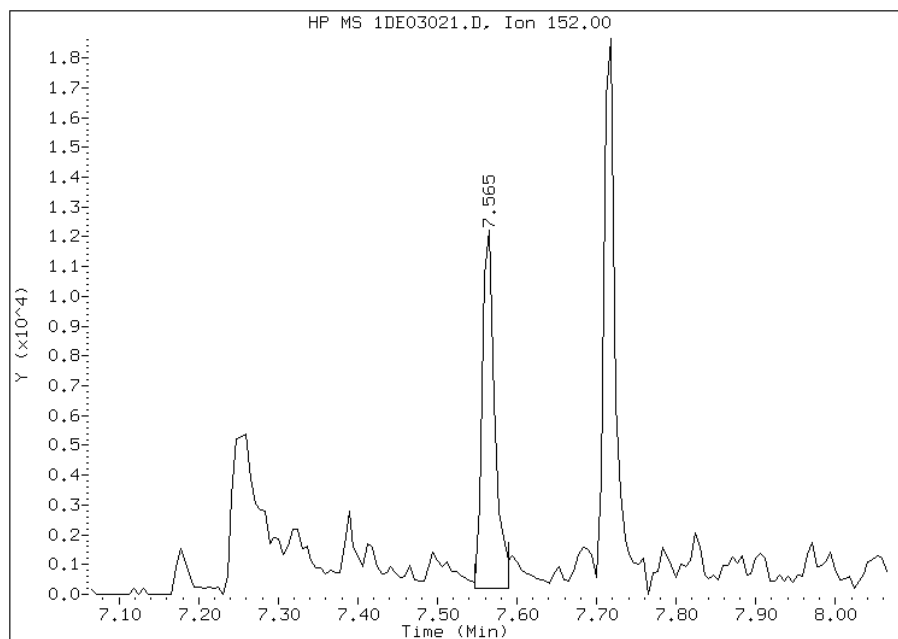


Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMDS.i
Client ID: CV1142A-CS
Compound: 5 Acenaphthylene
CAS #: 208-96-8
Report Date: 05/06/2013

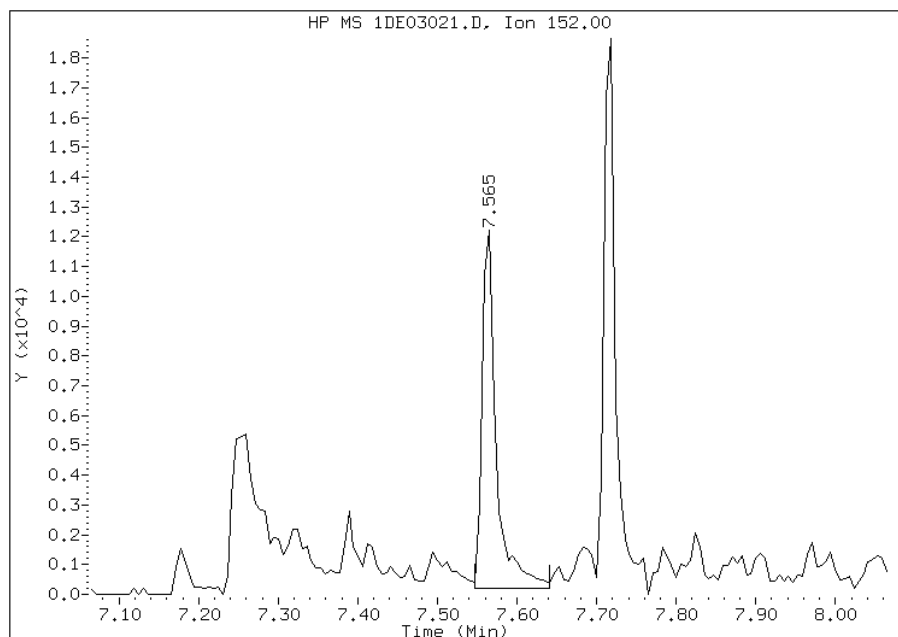
Processing Integration Results

RT: 7.57
Response: 13003
Amount: 0
Conc: 28



Manual Integration Results

RT: 7.57
Response: 14646
Amount: 0
Conc: 31



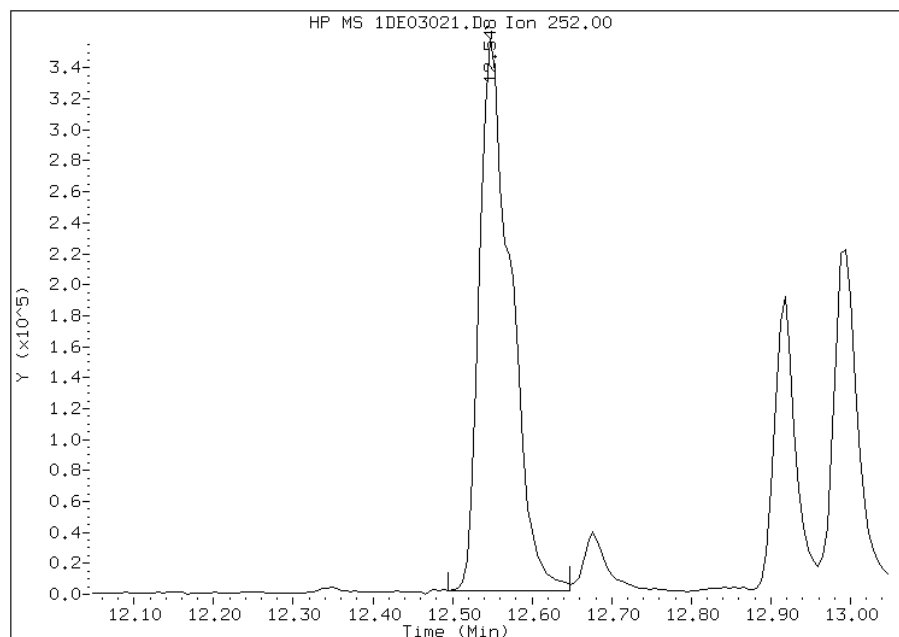
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:18
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

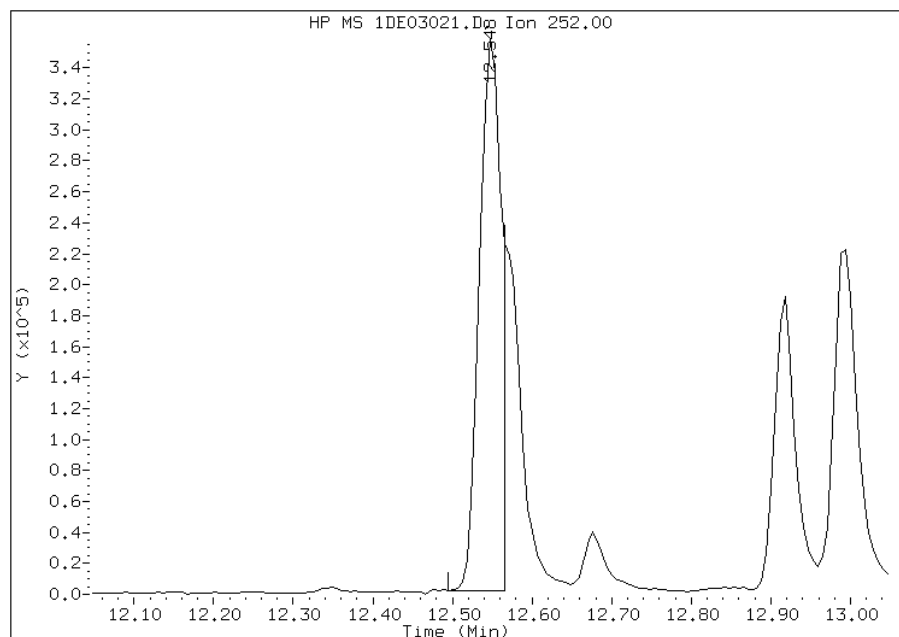
Processing Integration Results

RT: 12.55
Response: 983517
Amount: 23
Conc: 1874



Manual Integration Results

RT: 12.55
Response: 685696
Amount: 16
Conc: 1306



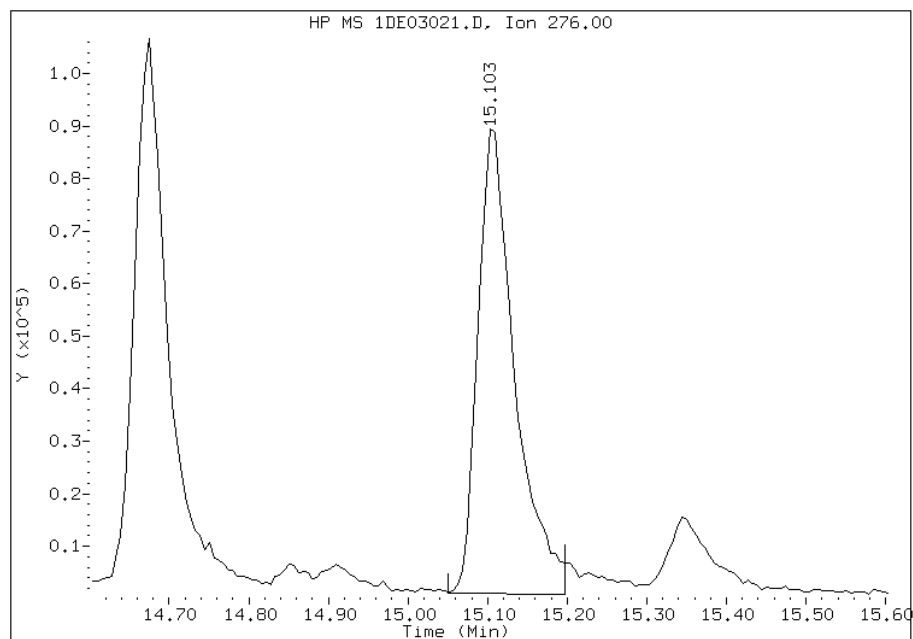
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:19
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

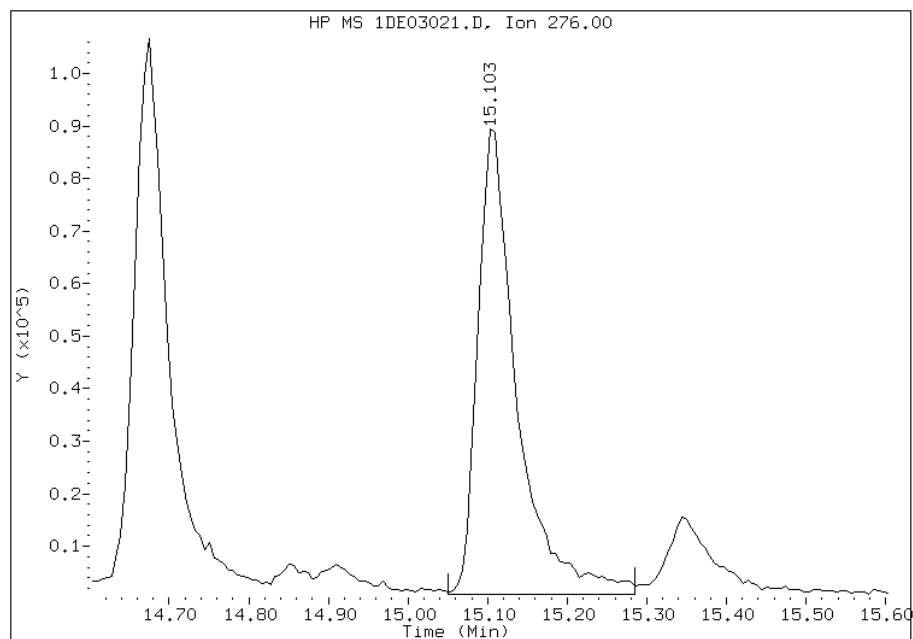
Processing Integration Results

RT: 15.10
Response: 284847
Amount: 6
Conc: 526



Manual Integration Results

RT: 15.10
Response: 302819
Amount: 7
Conc: 559



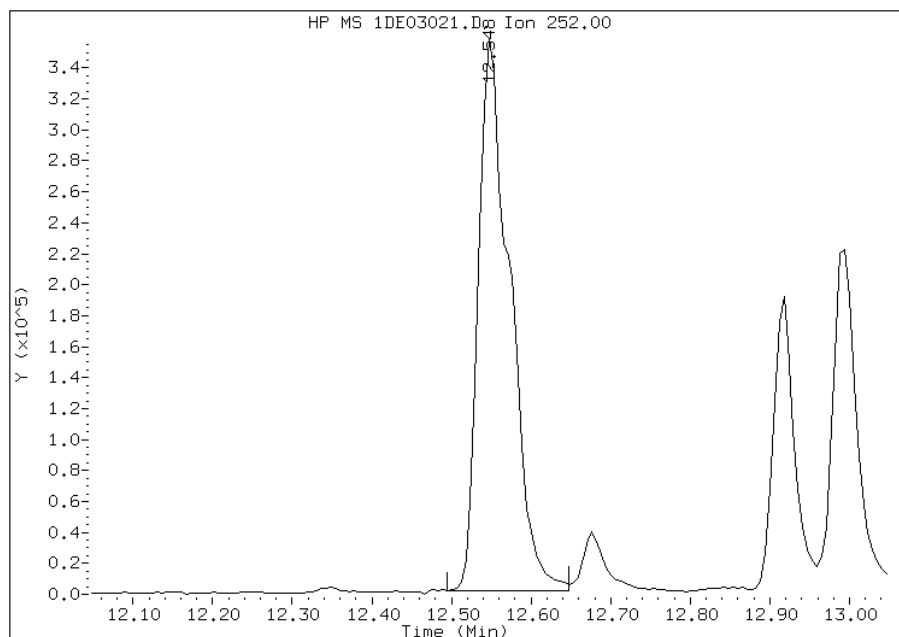
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

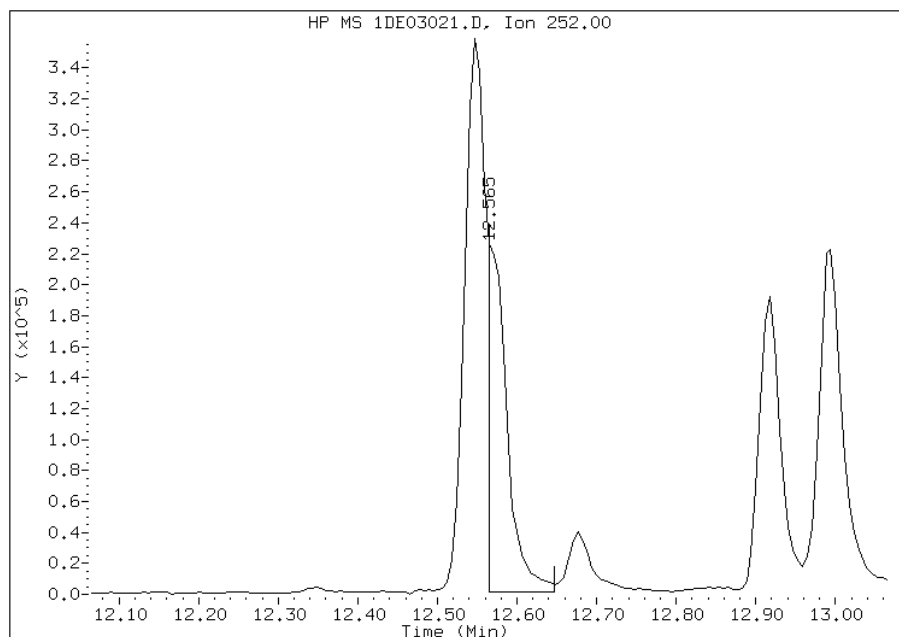
Processing Integration Results

RT: 12.55
Response: 983517
Amount: 22
Conc: 1779



Manual Integration Results

RT: 12.57
Response: 379480
Amount: 8
Conc: 686



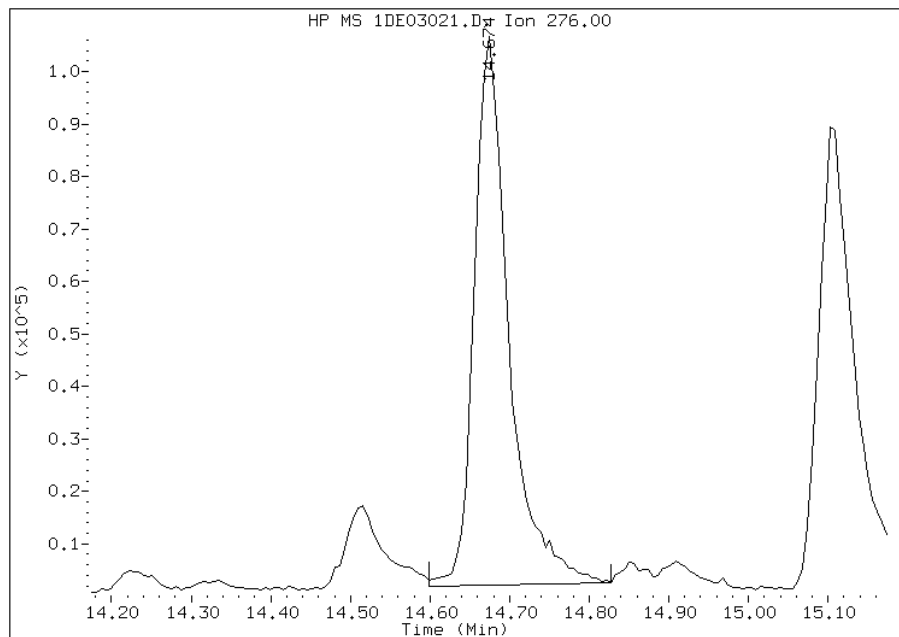
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

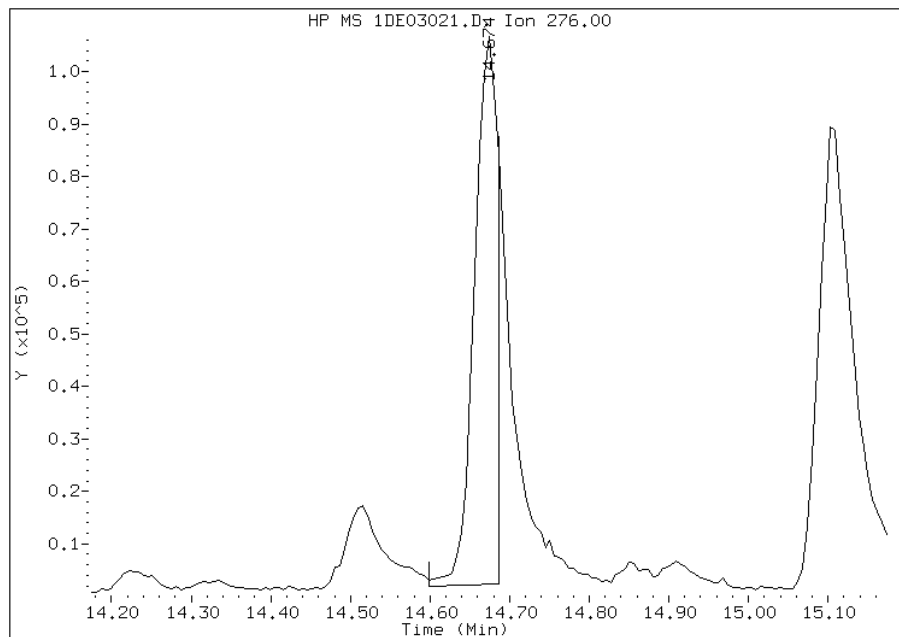
Processing Integration Results

RT: 14.67
Response: 313626
Amount: 7
Conc: 558



Manual Integration Results

RT: 14.67
Response: 212264
Amount: 5
Conc: 377



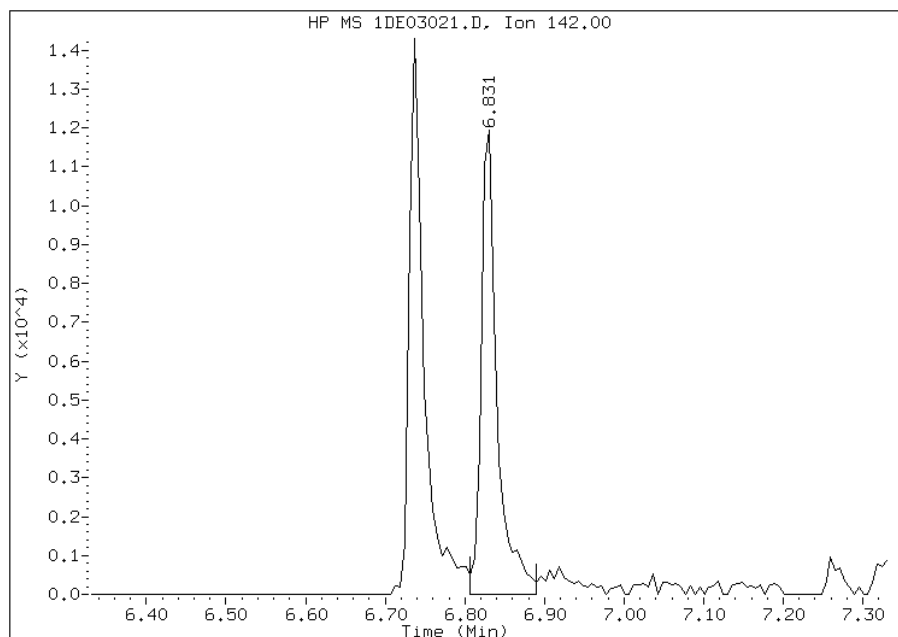
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:19
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

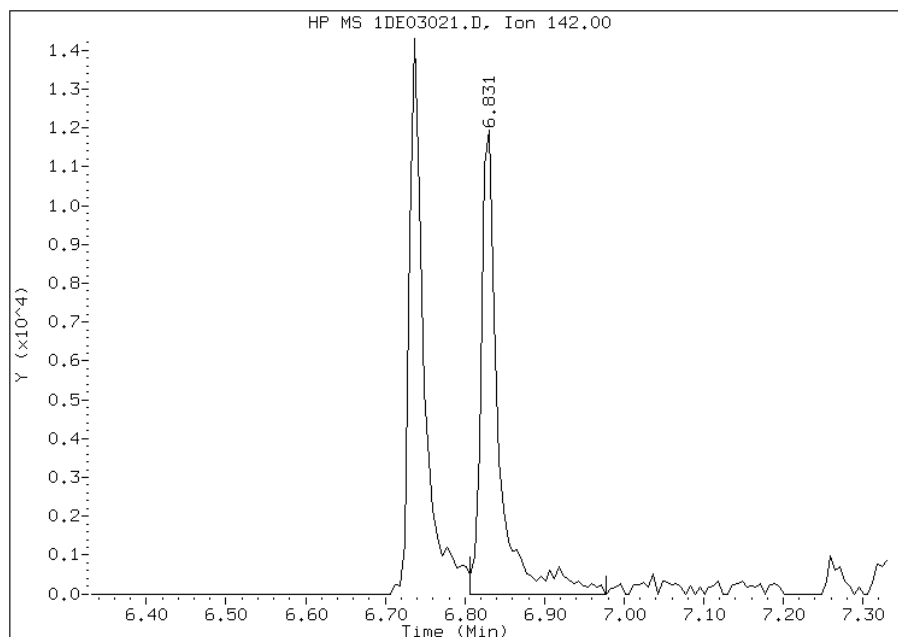
Processing Integration Results

RT: 6.83
Response: 16432
Amount: 1
Conc: 64



Manual Integration Results

RT: 6.83
Response: 18314
Amount: 1
Conc: 72



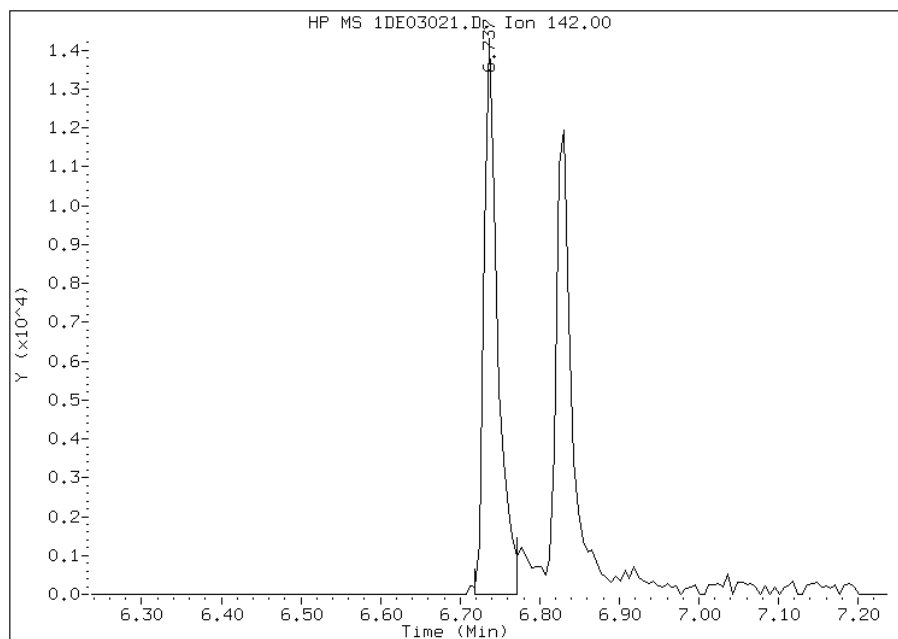
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:18
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

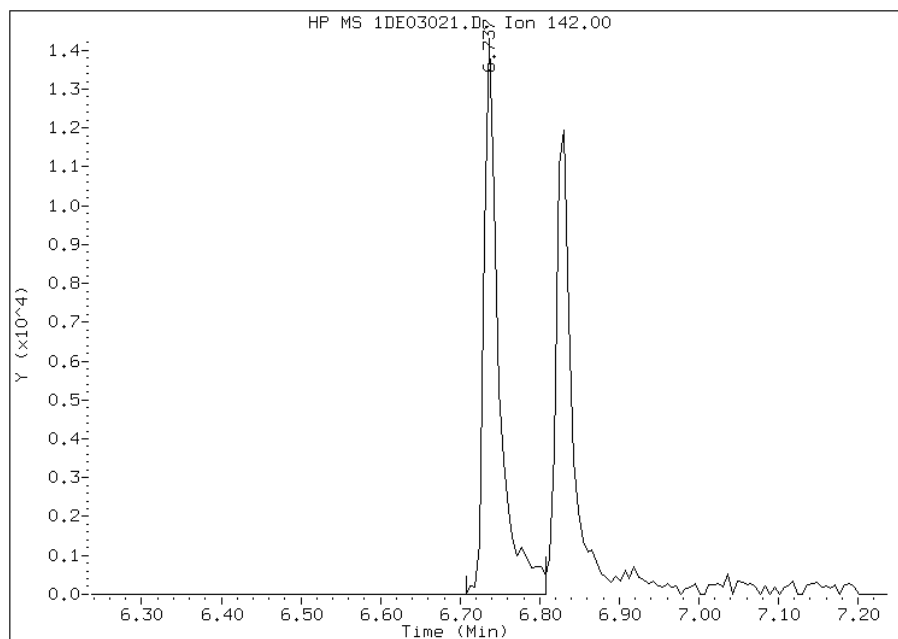
Processing Integration Results

RT: 6.74
Response: 17119
Amount: 1
Conc: 63



Manual Integration Results

RT: 6.74
Response: 18915
Amount: 1
Conc: 70



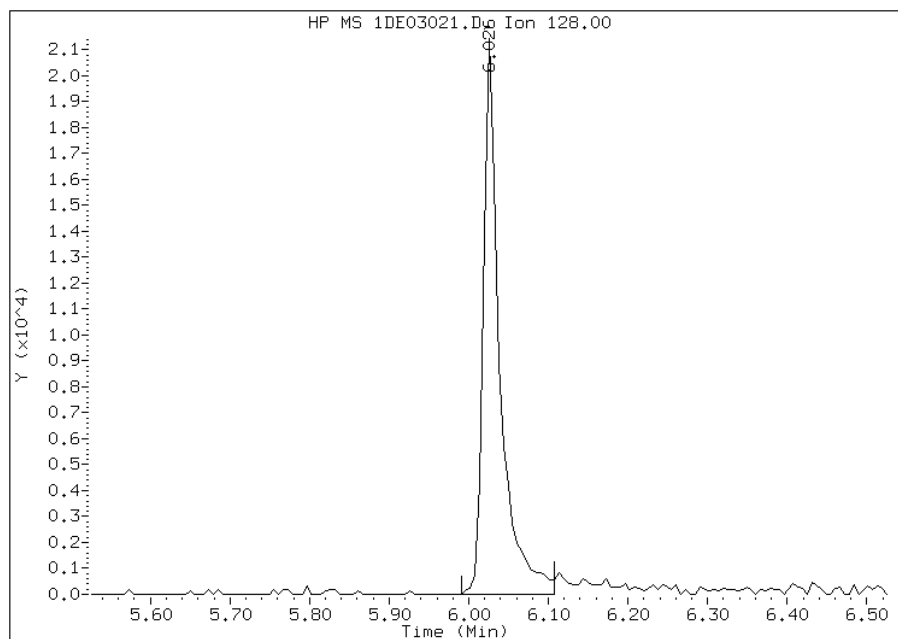
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:18
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03021.D
Inj. Date and Time: 03-MAY-2013 17:30
Instrument ID: BSMSD.i
Client ID: CV1142A-CS
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

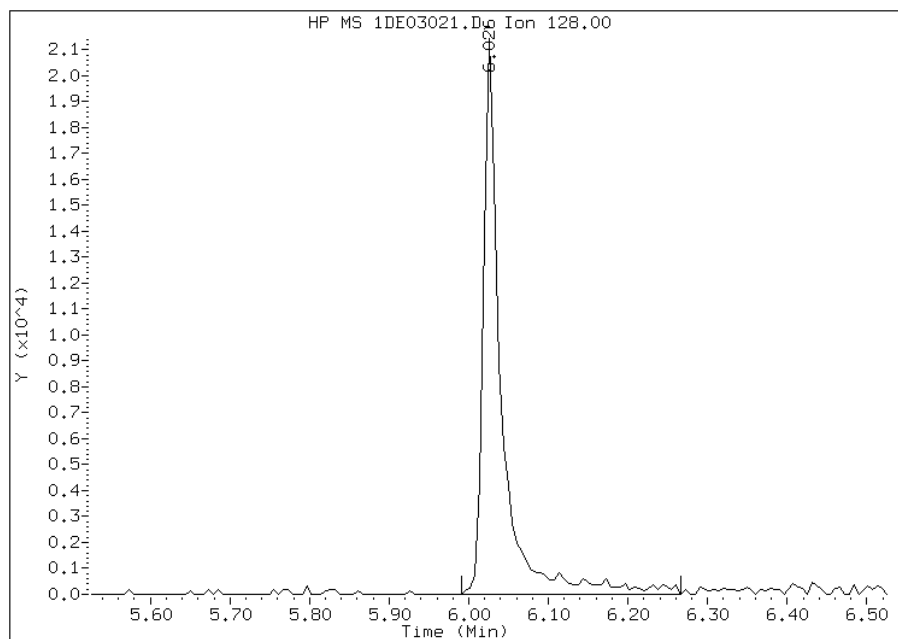
Processing Integration Results

RT: 6.03
Response: 30883
Amount: 1
Conc: 74



Manual Integration Results

RT: 6.03
Response: 33902
Amount: 1
Conc: 81



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:18
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1142A-CSD Lab Sample ID: 680-89791-49
 Matrix: Solid Lab File ID: 1DE03022.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 08:48
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.97(g) Date Analyzed: 05/03/2013 17:52
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 19.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	25
208-96-8	Acenaphthylene	13	J	50	6.3
120-12-7	Anthracene	85		11	5.3
56-55-3	Benzo[a]anthracene	190		10	4.9
50-32-8	Benzo[a]pyrene	180		13	6.5
205-99-2	Benzo[b]fluoranthene	270		15	7.6
191-24-2	Benzo[g,h,i]perylene	110		25	5.5
207-08-9	Benzo[k]fluoranthene	120		10	4.5
218-01-9	Chrysene	240		11	5.6
53-70-3	Dibenz(a,h)anthracene	29		25	5.1
206-44-0	Fluoranthene	460		25	5.0
86-73-7	Fluorene	19	J	25	5.1
193-39-5	Indeno[1,2,3-cd]pyrene	63		25	8.9
90-12-0	1-Methylnaphthalene	26	J	50	5.5
91-57-6	2-Methylnaphthalene	27	J	50	8.9
91-20-3	Naphthalene	25	J	50	5.5
85-01-8	Phenanthrene	300		10	4.9
129-00-0	Pyrene	330		25	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	38		30-130

TestAmerica Laboratories

Semivolatle 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03022.D
 Lab Smp Id: 680-89791-A-49-A Client Smp ID: CV1142A-CSD
 Inj Date : 03-MAY-2013 17:52
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-49-a
 Misc Info : 680-89791-A-49-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 23
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.970	Weight Extracted
M	19.860	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.004	6.004	(1.000)	1427592	40.0000		
* 6 Acenaphthene-d10	164		7.691	7.690	(1.000)	943927	40.0000		
* 9 Phenanthrene-d10	188		8.954	8.953	(1.000)	1568365	40.0000		
\$ 13 o-Terphenyl	230		9.259	9.259	(1.034)	90141	3.81450	320	
* 17 Chrysene-d12	240		11.263	11.257	(1.000)	1674423	40.0000		
* 22 Perylene-d12	264		13.084	13.066	(1.000)	1675077	40.0000		
2 Naphthalene	128		6.028	6.027	(1.004)	10649	0.30011	25(M)	
3 2-Methylnaphthalene	142		6.739	6.738	(1.122)	7457	0.32555	27(M)	
4 1-Methylnaphthalene	142		6.827	6.826	(1.137)	6794	0.31409	26(M)	
5 Acenaphthylene	152		7.561	7.561	(0.983)	6379	0.15967	13(M)	
7 Acenaphthene	154		7.714	7.714	(1.003)	4720	0.19140	16(M)	
8 Fluorene	166		8.161	8.160	(1.061)	6569	0.22494	19	
10 Phenanthrene	178		8.971	8.971	(1.002)	156339	3.61895	300	
11 Anthracene	178		9.013	9.012	(1.007)	43527	1.01515	85(M)	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.160	9.159	(1.023)	20756	0.54880	46
14 Fluoranthene	202	9.959	9.958	(1.112)	243320	5.47340	460
15 Pyrene	202	10.147	10.146	(0.901)	196604	3.90997	320
16 Benzo(a)anthracene	228	11.245	11.239	(0.998)	108060	2.23214	190
18 Chrysene	228	11.286	11.280	(1.002)	129312	2.84877	240
19 Benzo(b)fluoranthene	252	12.538	12.526	(0.958)	133639	3.19376	270(M)
20 Benzo(k)fluoranthene	252	12.567	12.567	(0.960)	62757	1.42362	120(M)
21 Benzo(a)pyrene	252	12.984	12.978	(0.992)	88900	2.11449	180
23 Indeno(1,2,3-cd)pyrene	276	14.665	14.647	(1.121)	34038	0.75926	63(M)
24 Dibenzo(a,h)anthracene	278	14.677	14.670	(1.122)	14798	0.35053	29
25 Benzo(g,h,i)perylene	276	15.100	15.081	(1.154)	58459	1.35429	110(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03022.D

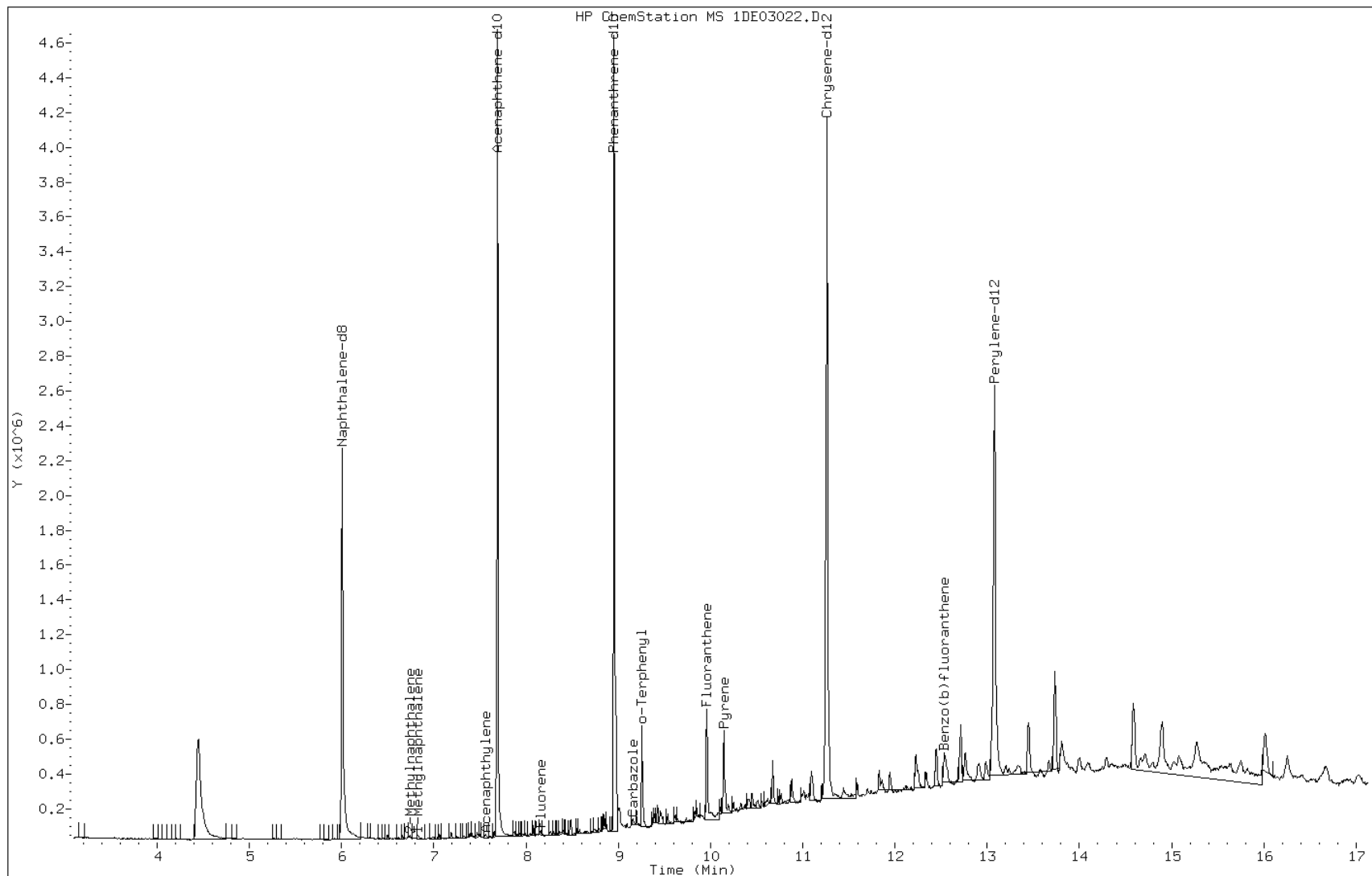
Date: 03-MAY-2013 17:52

Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

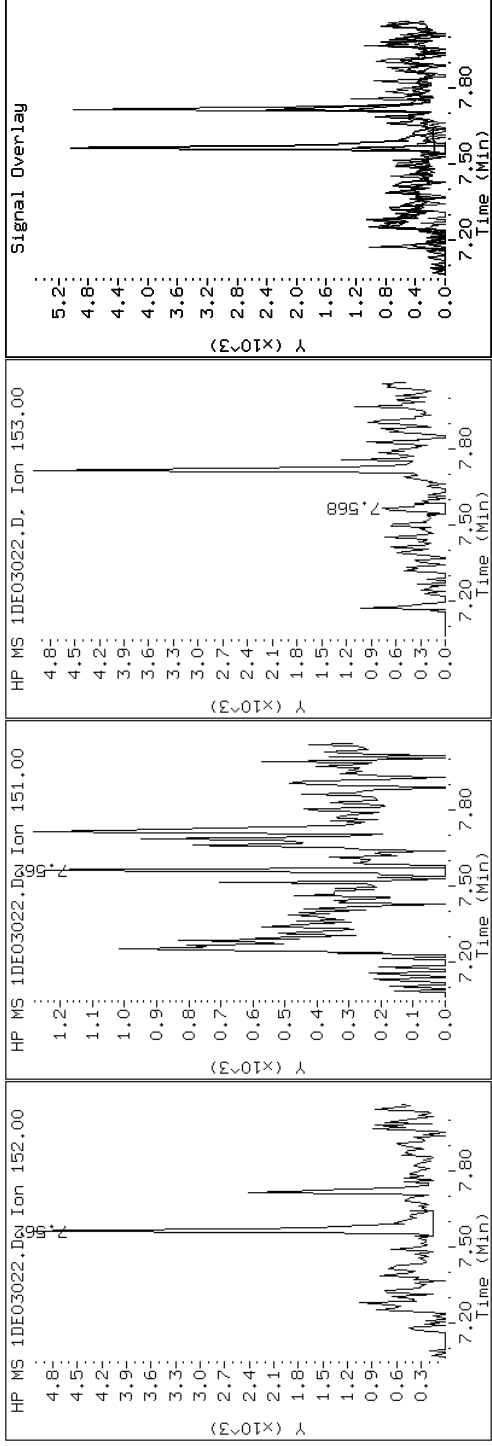
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

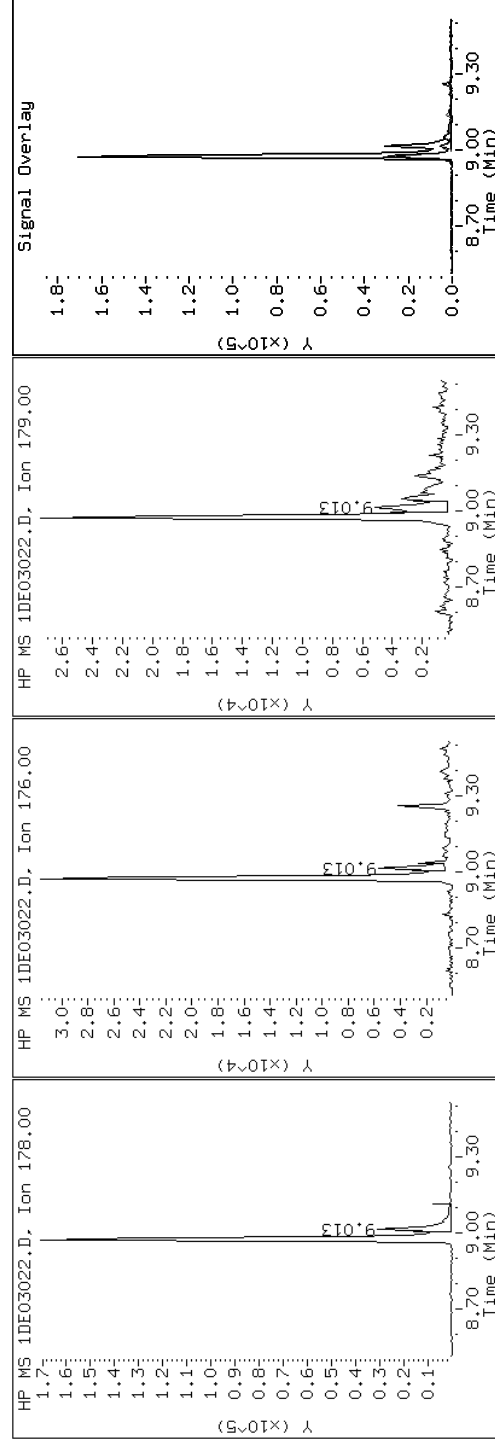
Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

11 Anthracene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

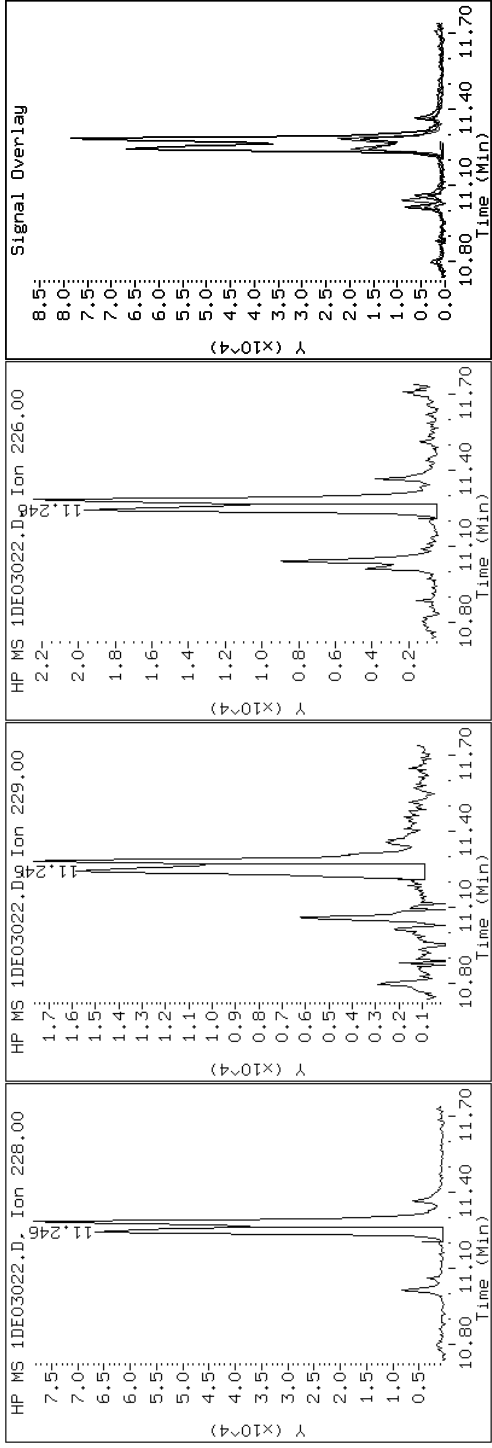
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

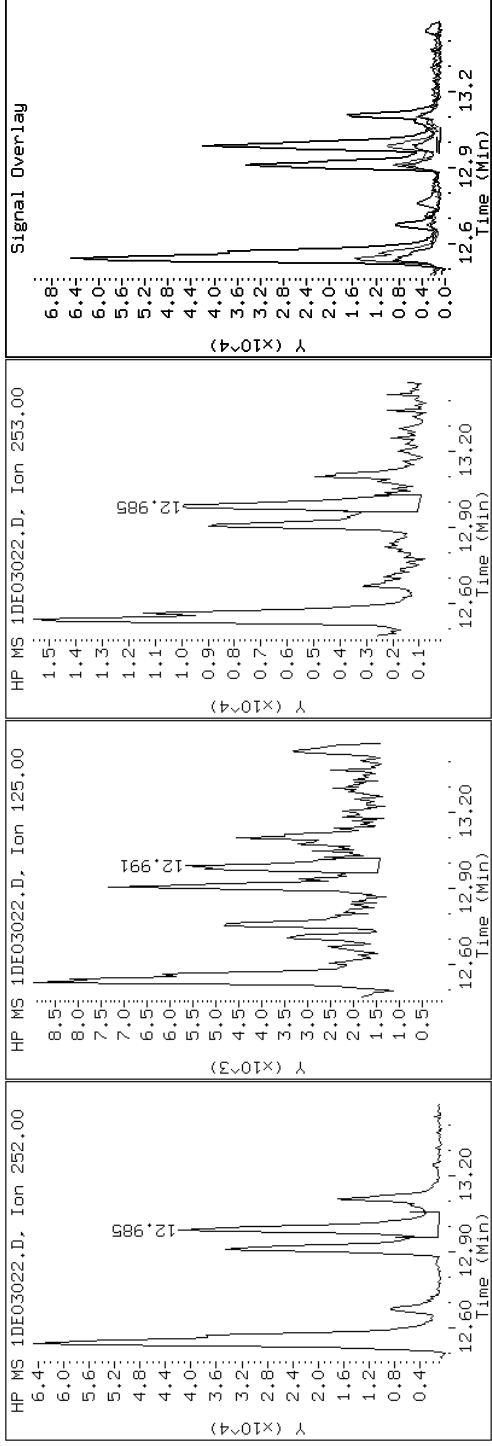
Client ID: CV1142A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

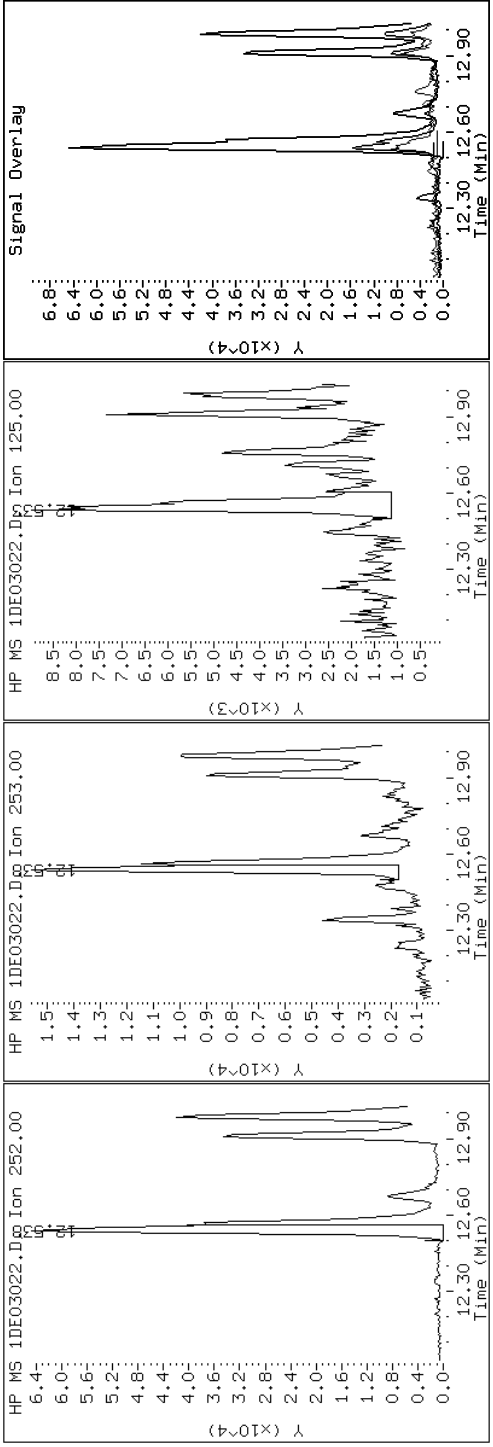
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

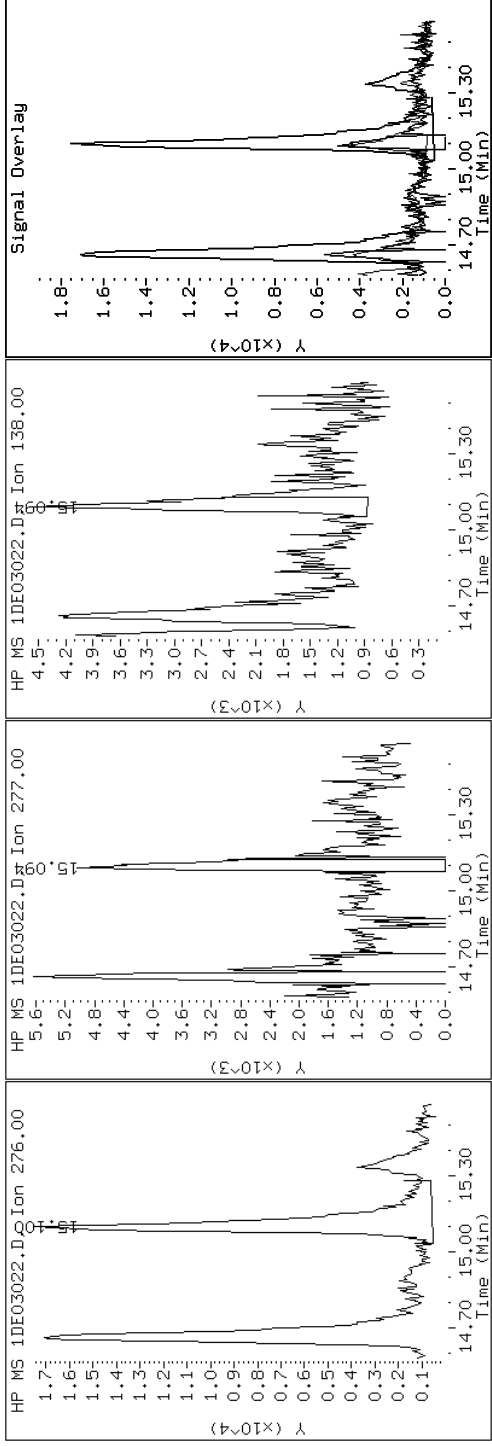
Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

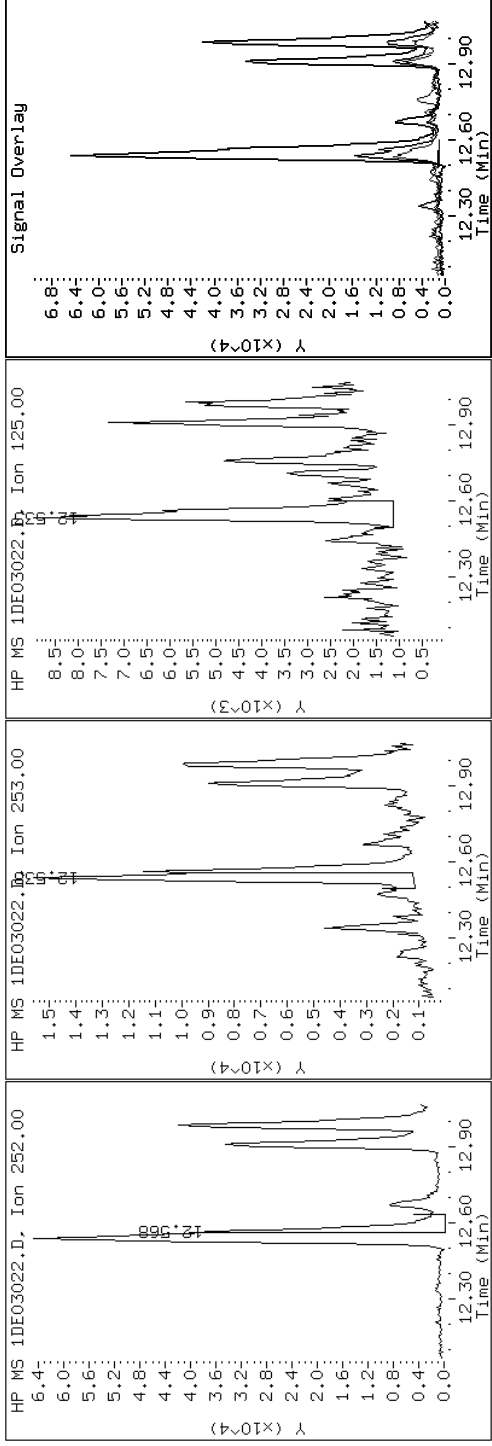
Client ID: CV1142A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

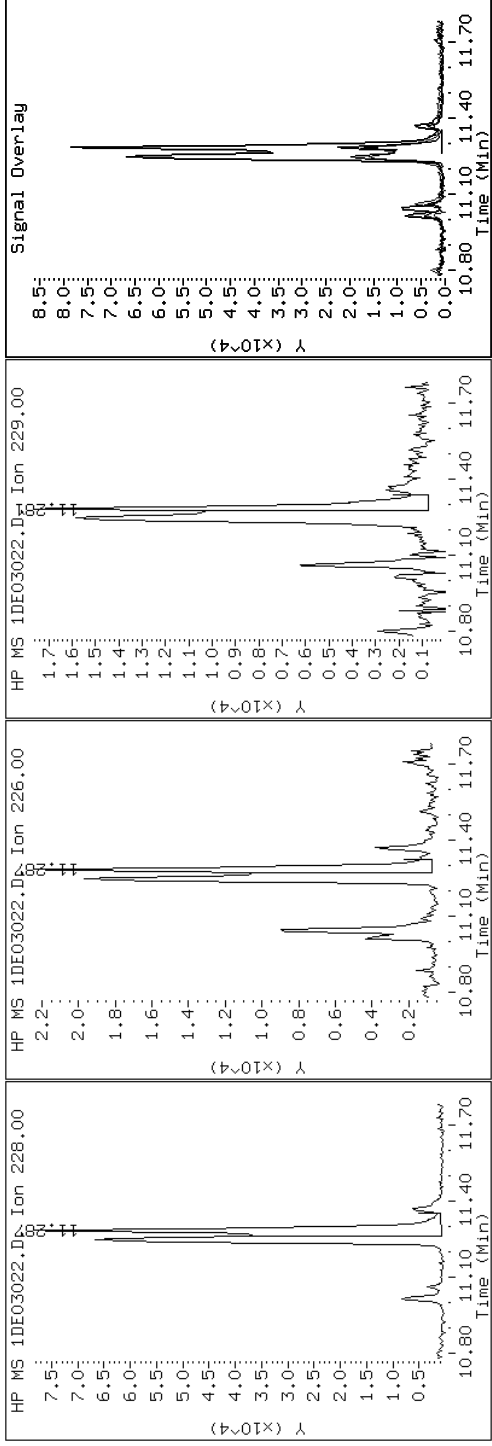
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

18 Chrysene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

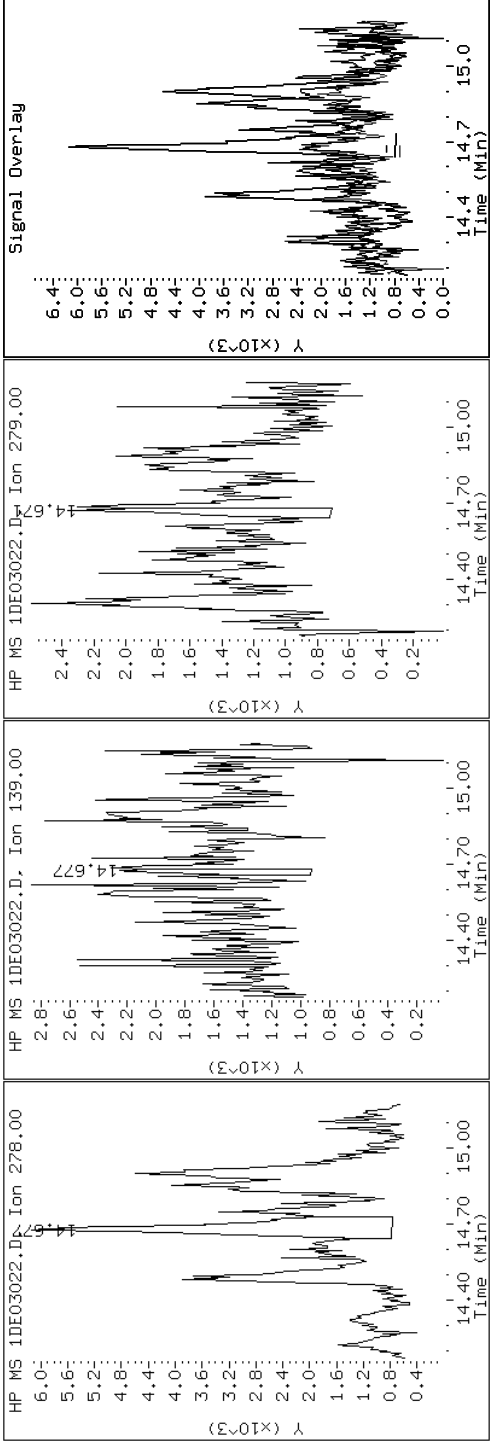
Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

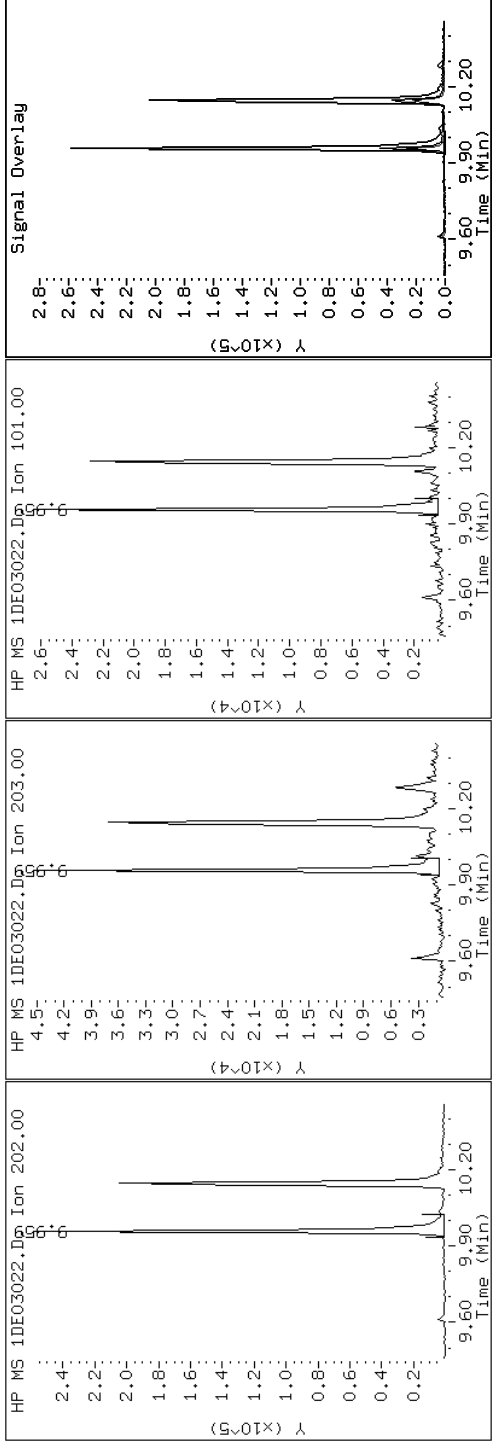
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

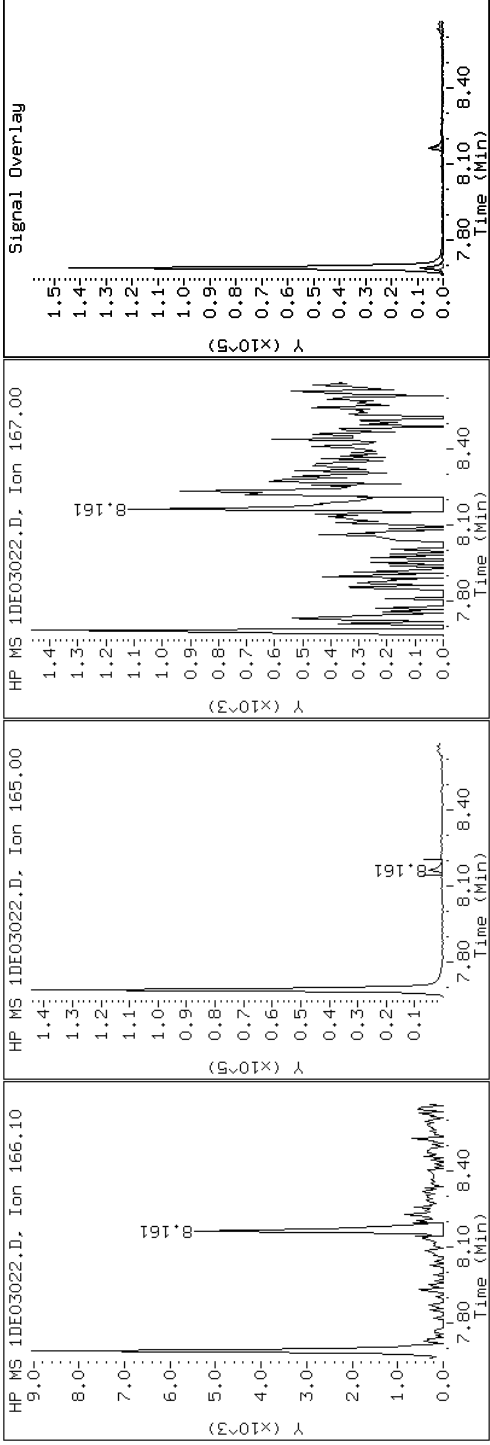
Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

8 Fluorene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

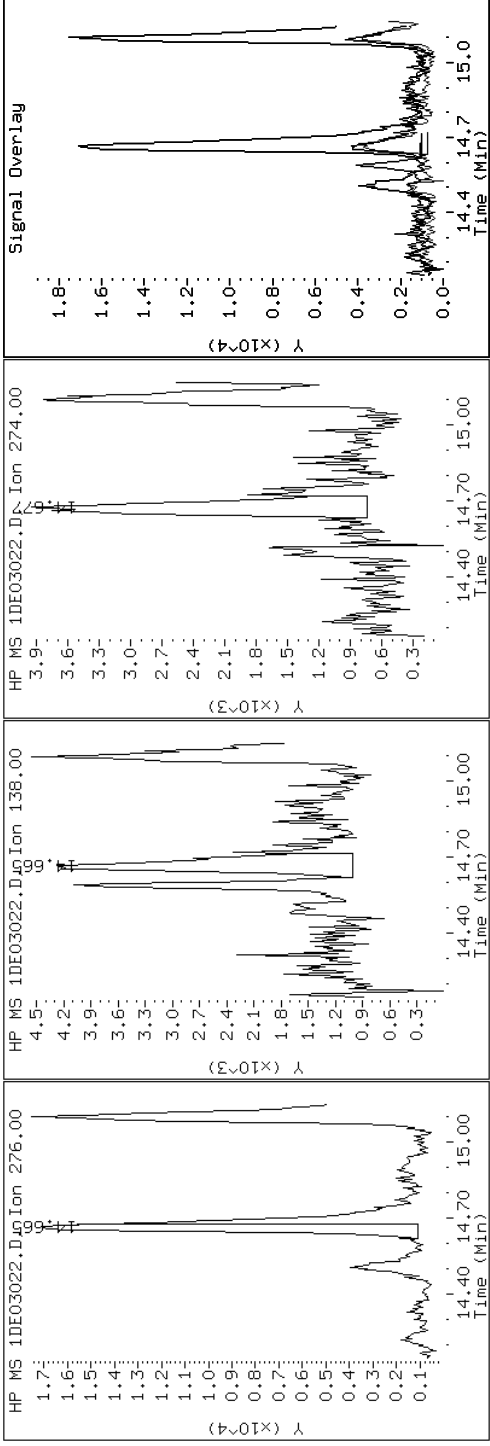
Client ID: CV1142A-CSD

Instrument: BSMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

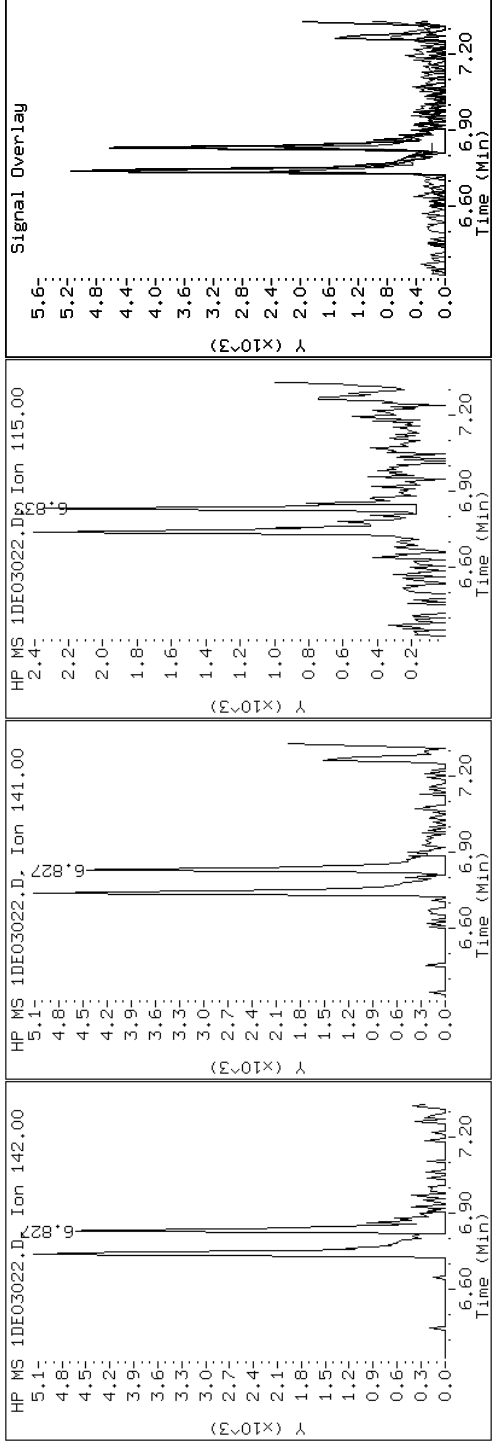
Client ID: CV1142A-CSD

Instrument: BSMMSD.i

Sample Info: 680-89791-a-49-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

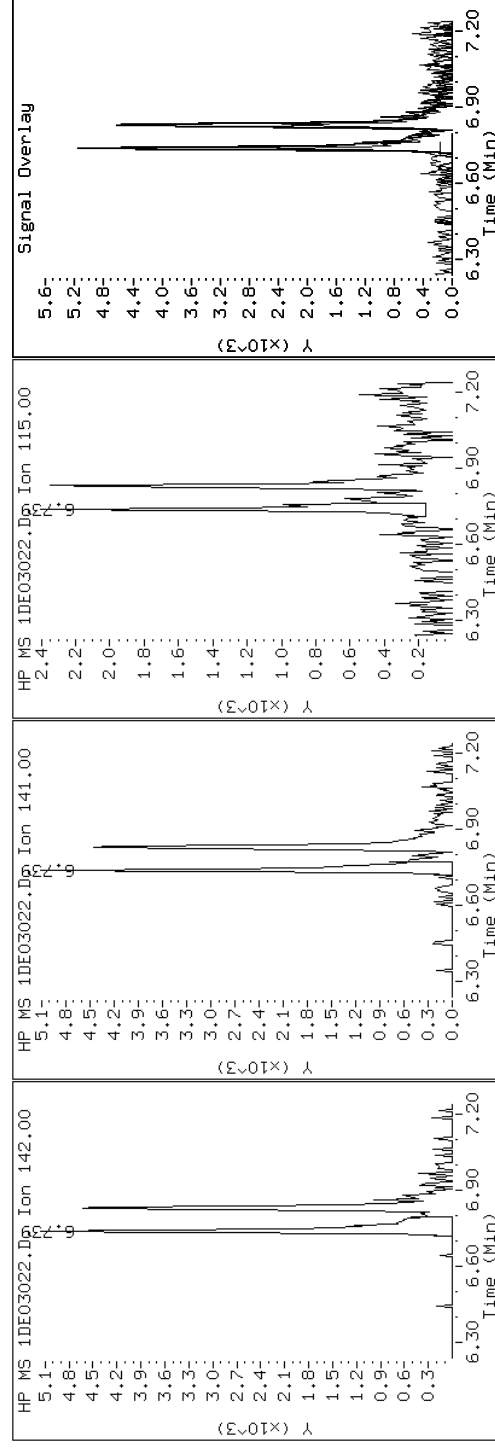
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

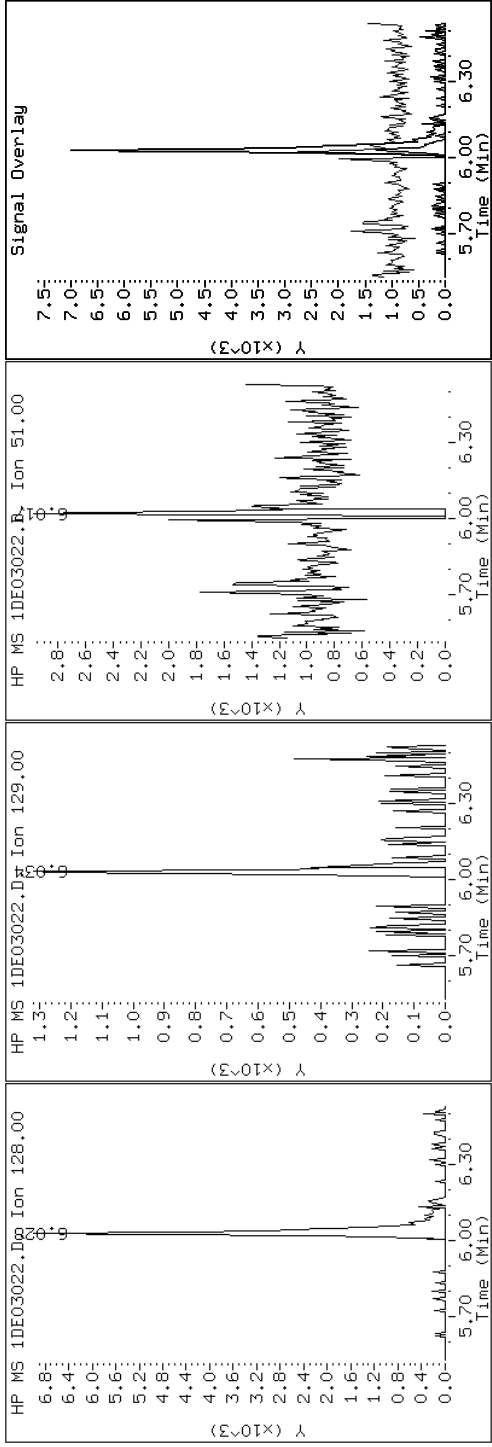
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

2 Naphthalene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

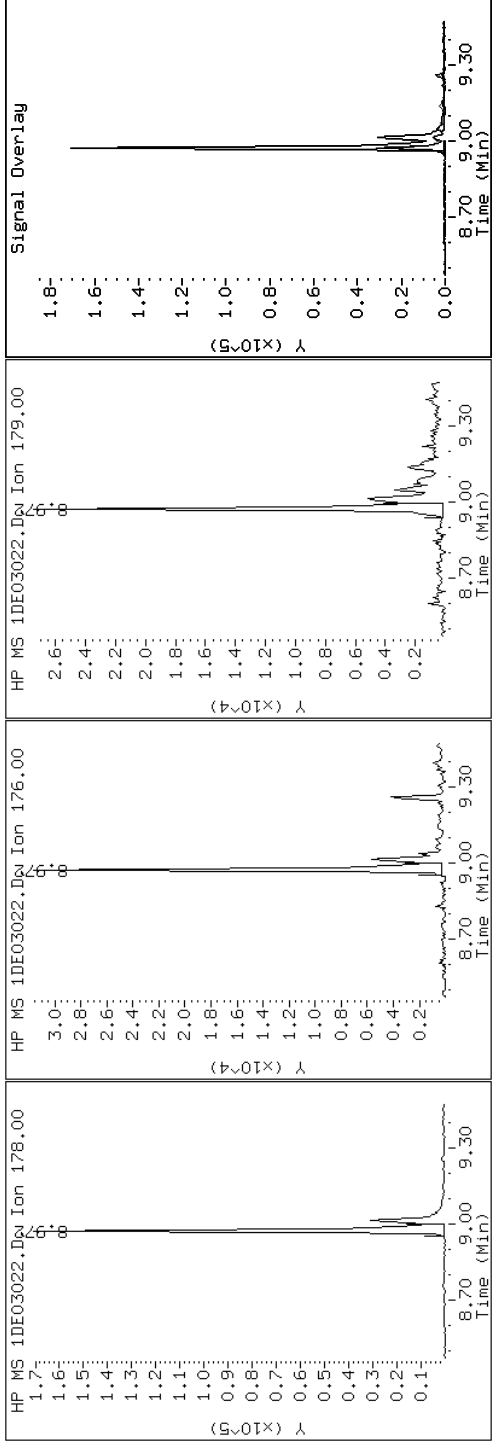
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03022.D

Date: 03-MAY-2013 17:52

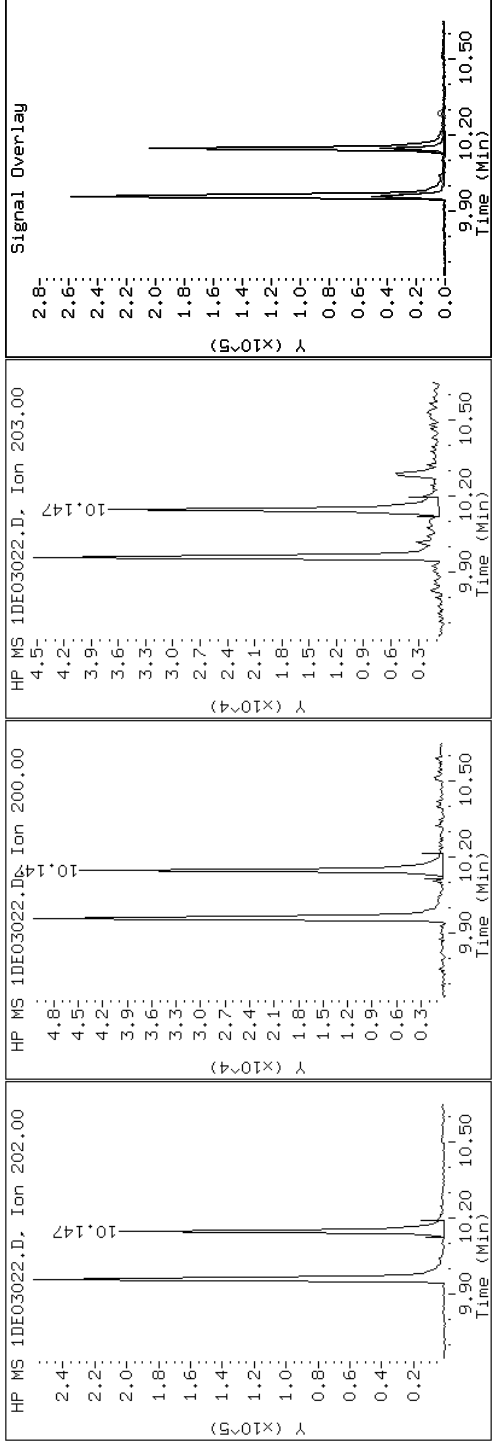
Client ID: CV1142A-CSD

Instrument: BSMDS.i

Sample Info: 680-89791-a-49-a

Operator: SCC

15 Pyrene

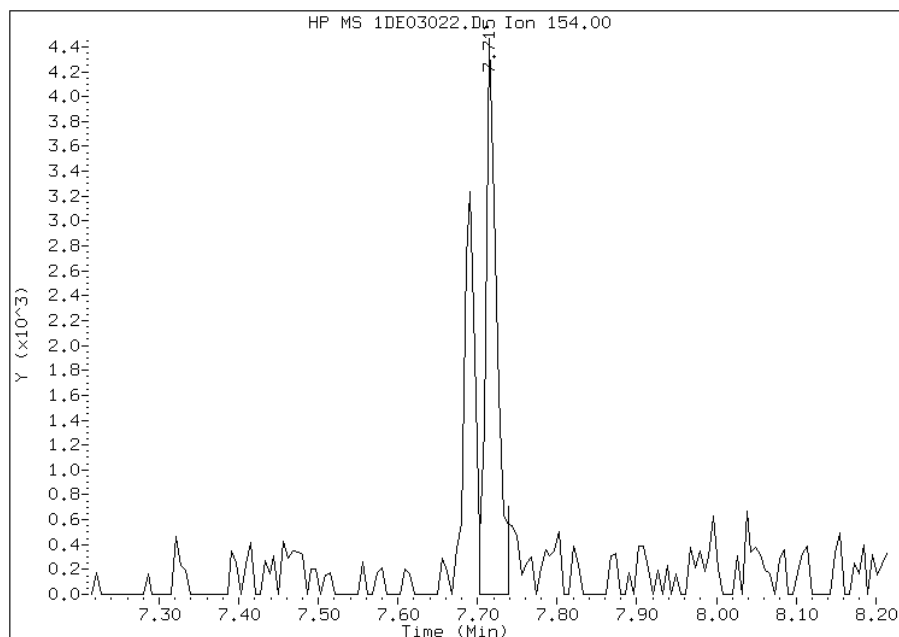


Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 7 Acenaphthene
CAS #: 83-32-9
Report Date: 05/06/2013

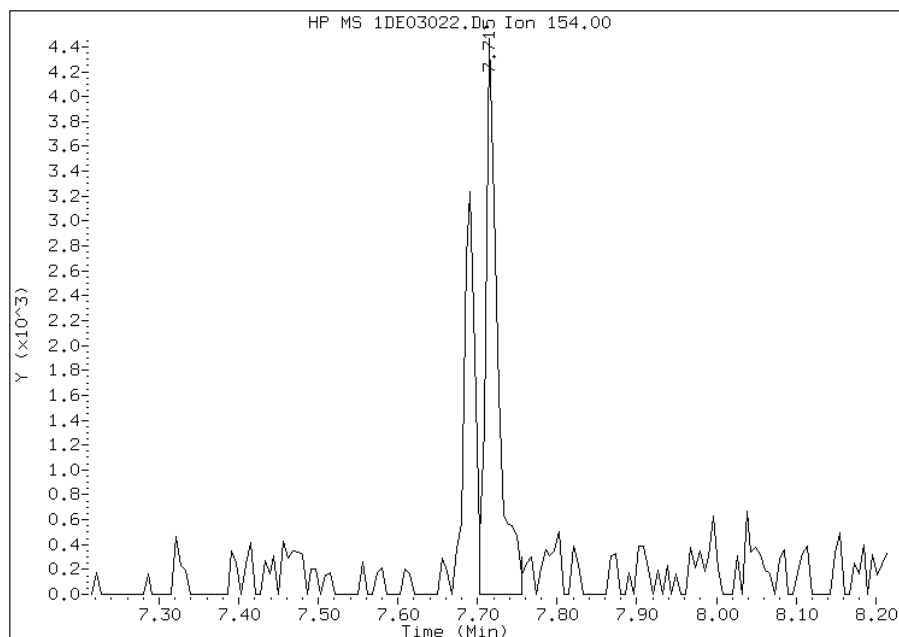
Processing Integration Results

RT: 7.71
Response: 4306
Amount: 0
Conc: 15



Manual Integration Results

RT: 7.71
Response: 4720
Amount: 0
Conc: 16



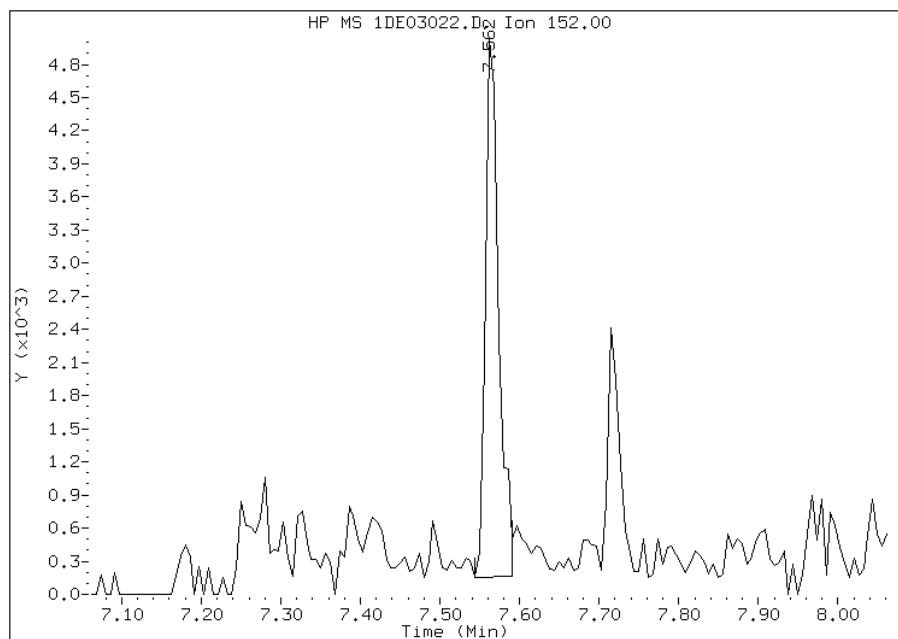
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 5 Acenaphthylene
CAS #: 208-96-8
Report Date: 05/06/2013

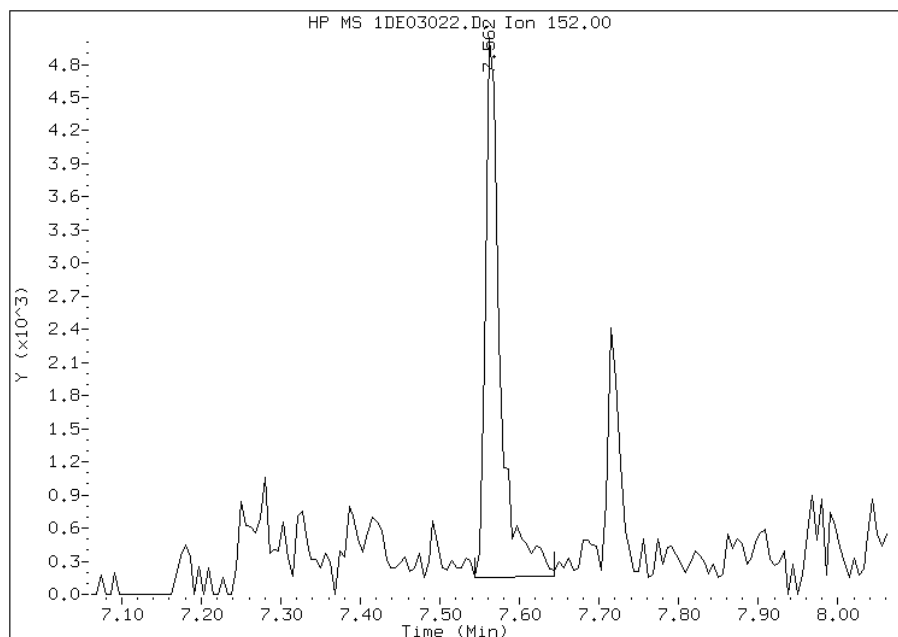
Processing Integration Results

RT: 7.56
Response: 5621
Amount: 0
Conc: 12



Manual Integration Results

RT: 7.56
Response: 6379
Amount: 0
Conc: 13



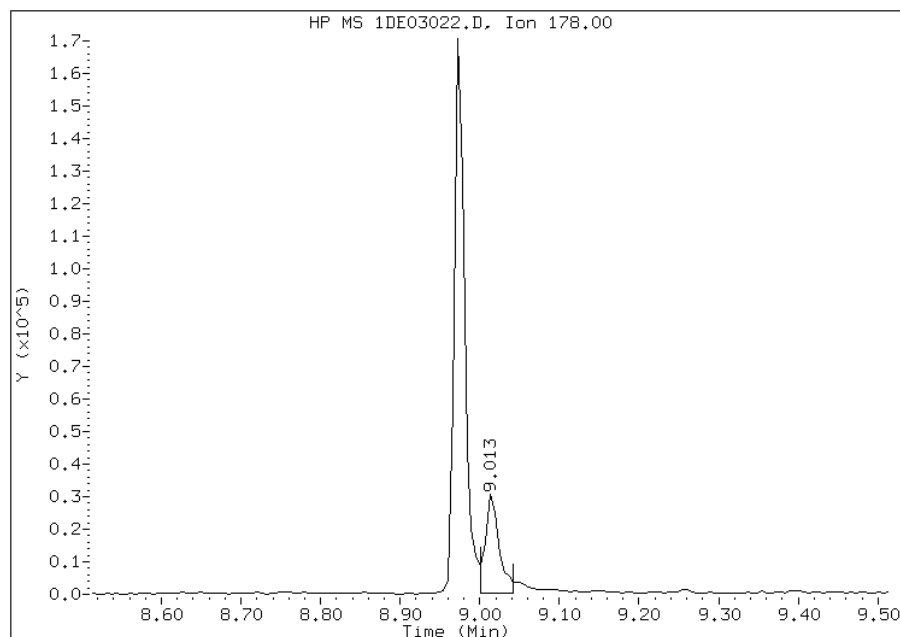
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 11 Anthracene
CAS #: 120-12-7
Report Date: 05/06/2013

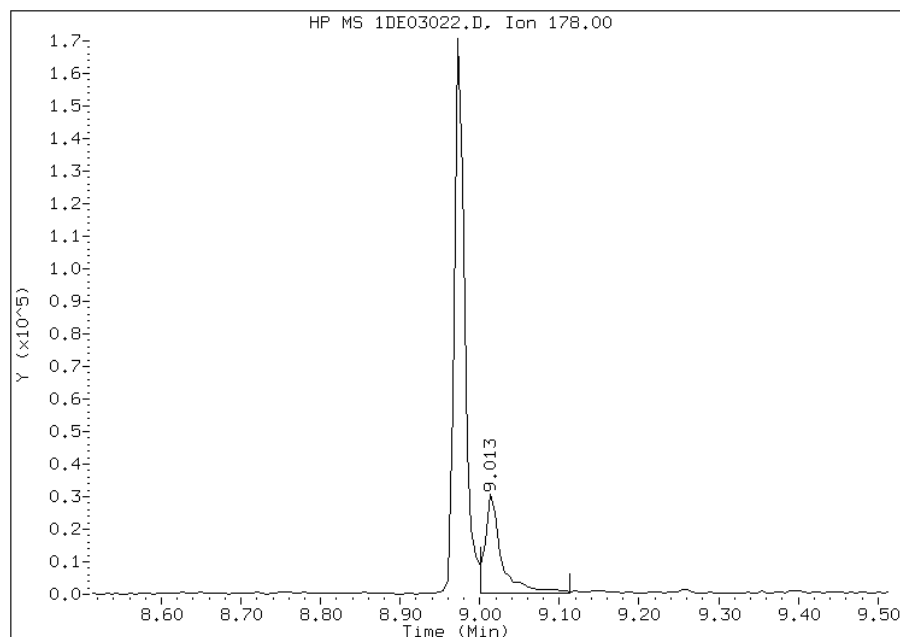
Processing Integration Results

RT: 9.01
Response: 37300
Amount: 1
Conc: 73



Manual Integration Results

RT: 9.01
Response: 43527
Amount: 1
Conc: 85



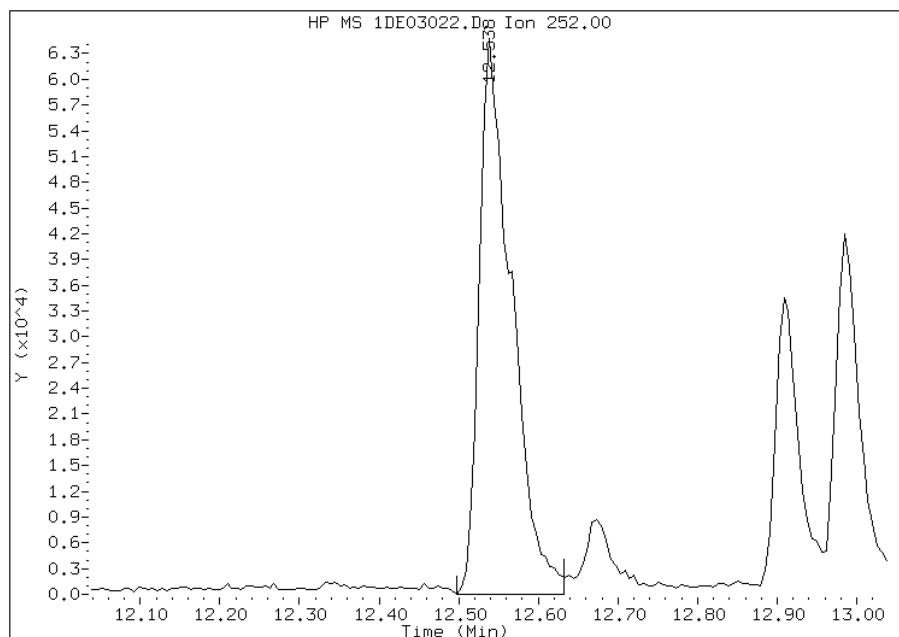
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

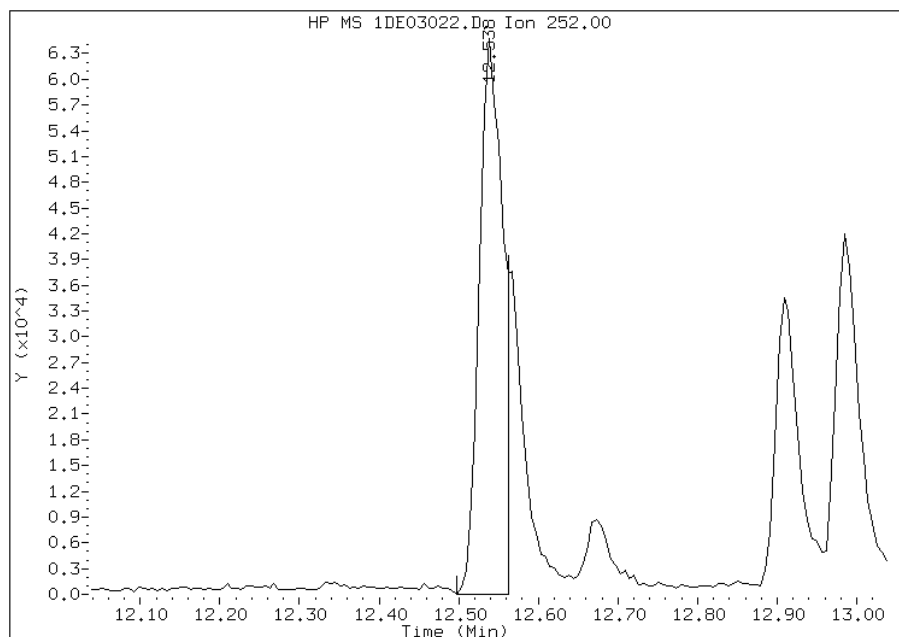
Processing Integration Results

RT: 12.54
Response: 182636
Amount: 4
Conc: 364



Manual Integration Results

RT: 12.54
Response: 133639
Amount: 3
Conc: 266



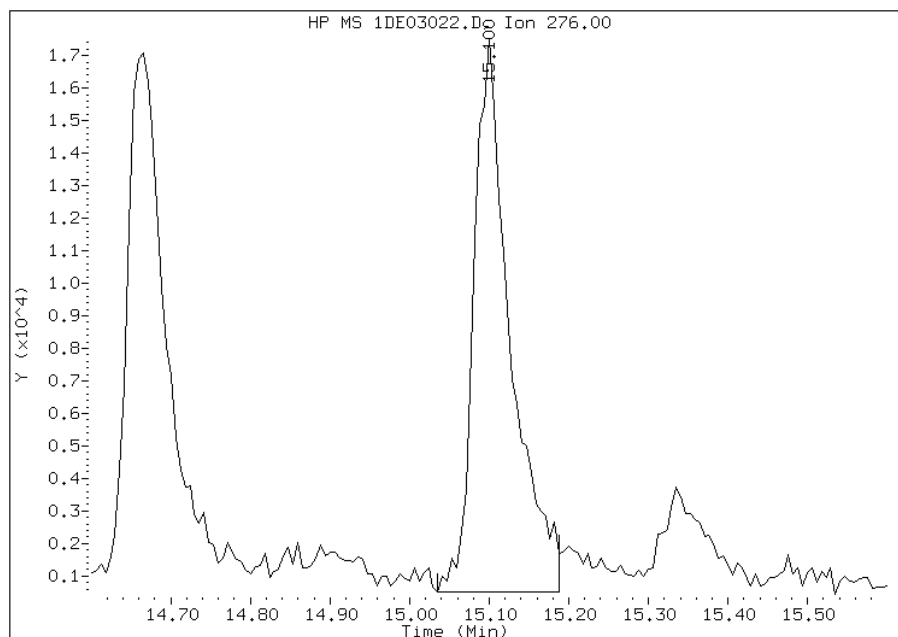
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:45
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

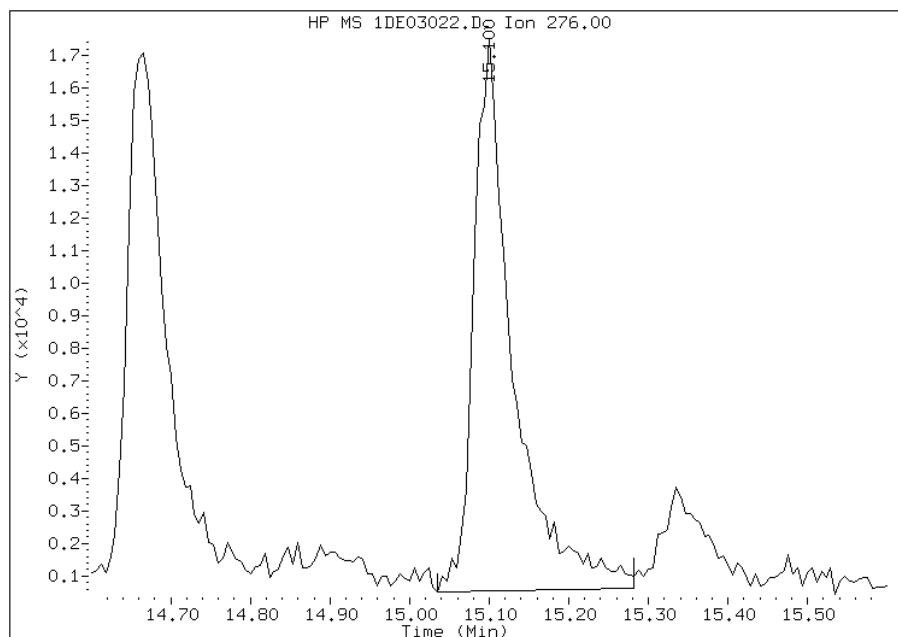
Processing Integration Results

RT: 15.10
Response: 54261
Amount: 1
Conc: 105



Manual Integration Results

RT: 15.10
Response: 58459
Amount: 1
Conc: 113



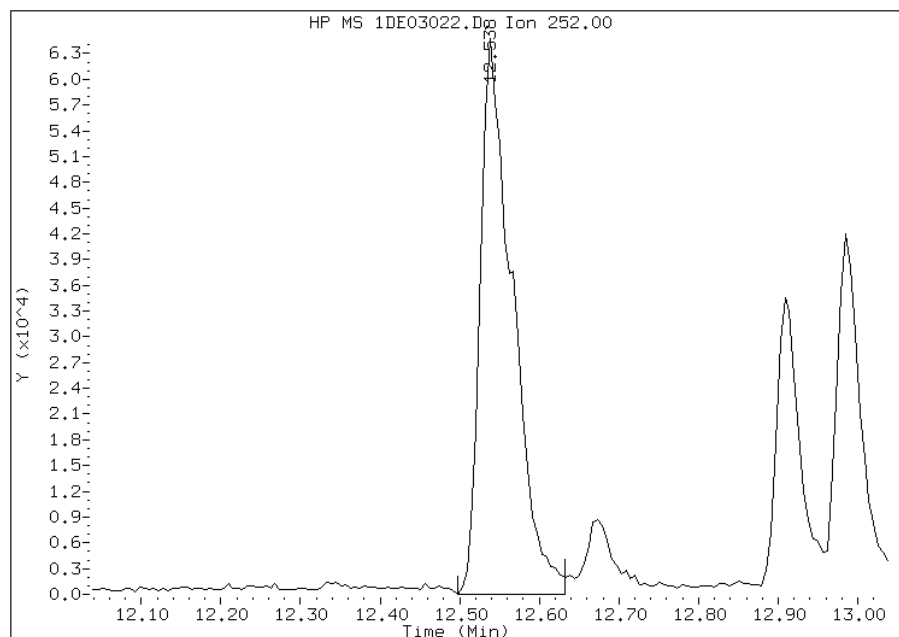
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

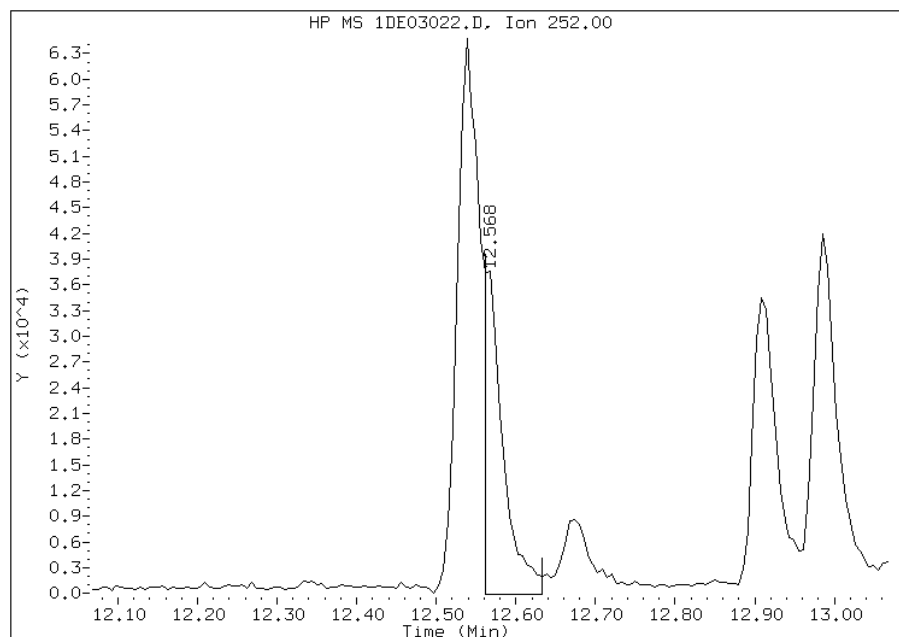
Processing Integration Results

RT: 12.54
Response: 182636
Amount: 4
Conc: 345



Manual Integration Results

RT: 12.57
Response: 62757
Amount: 1
Conc: 119



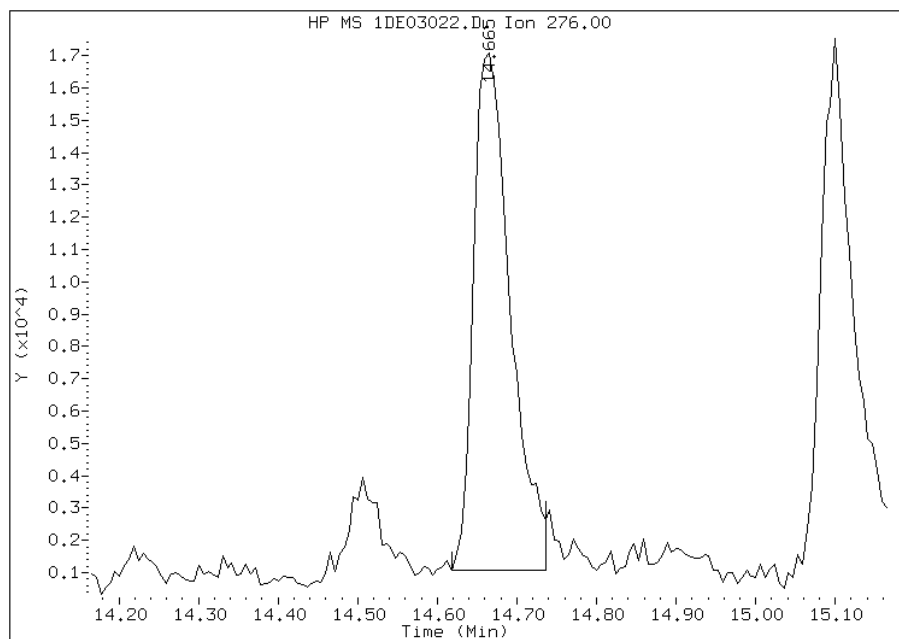
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

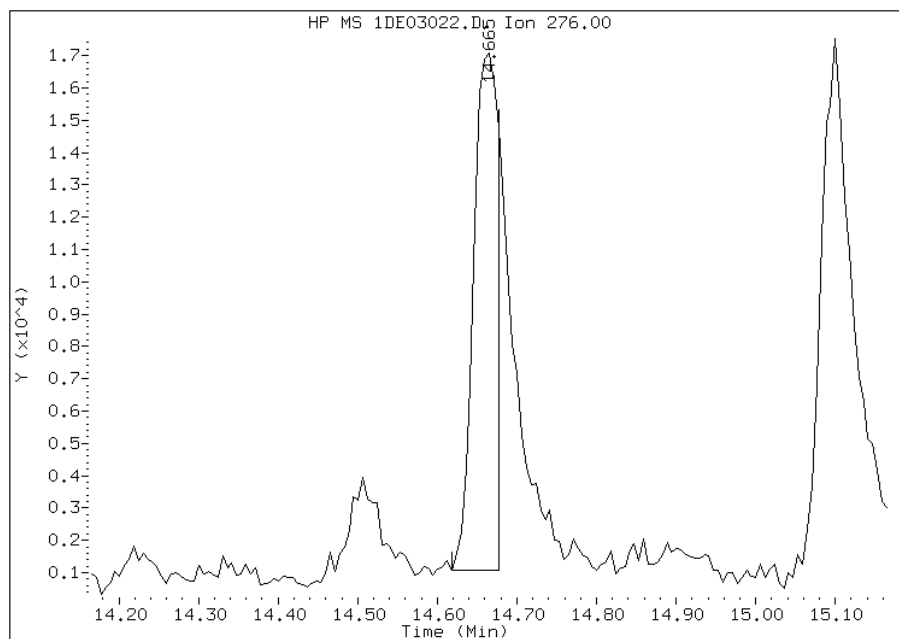
Processing Integration Results

RT: 14.67
Response: 51371
Amount: 1
Conc: 96



Manual Integration Results

RT: 14.67
Response: 34038
Amount: 1
Conc: 63



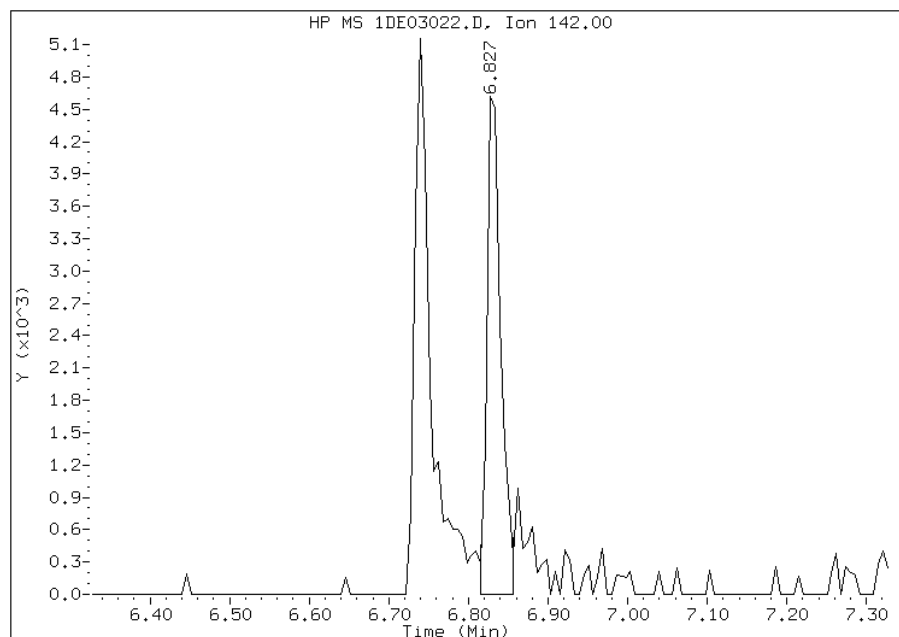
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:46
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

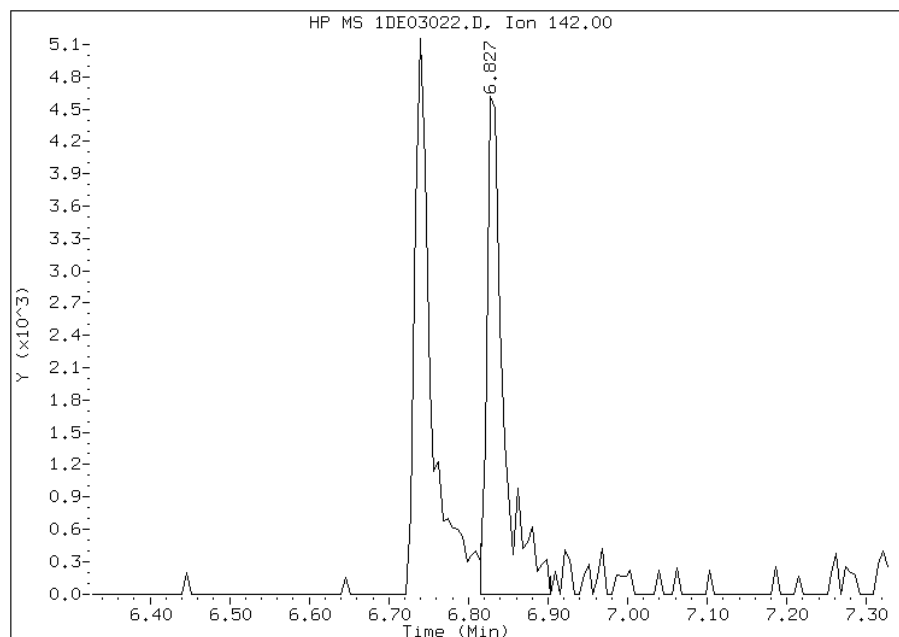
Processing Integration Results

RT: 6.83
Response: 5596
Amount: 0
Conc: 22



Manual Integration Results

RT: 6.83
Response: 6794
Amount: 0
Conc: 26



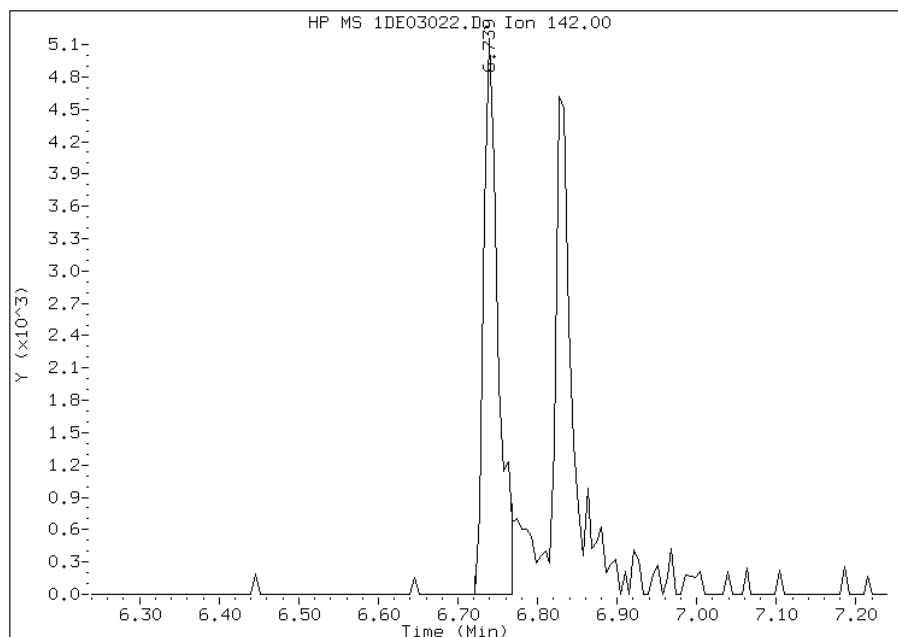
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

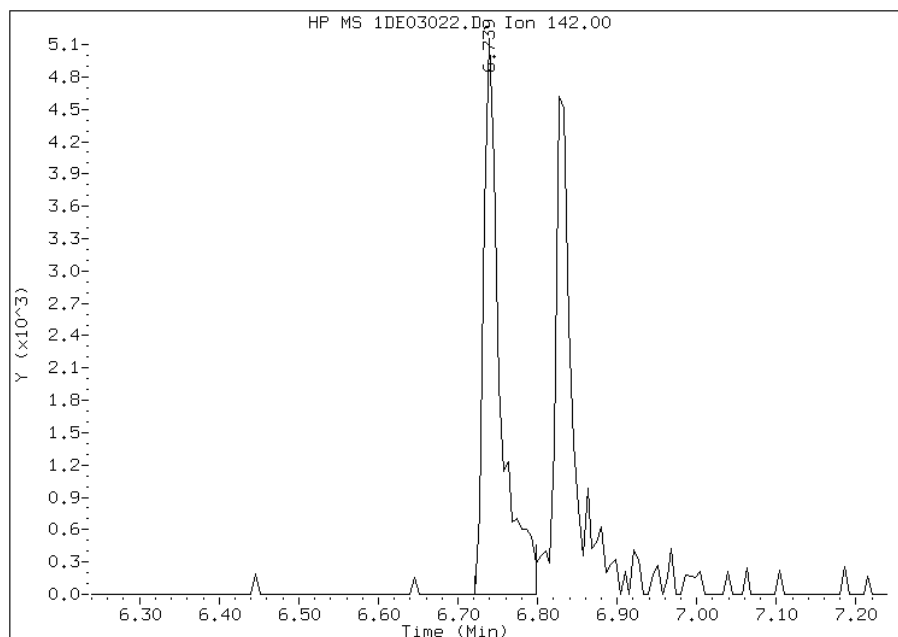
Processing Integration Results

RT: 6.74
Response: 6499
Amount: 0
Conc: 24



Manual Integration Results

RT: 6.74
Response: 7457
Amount: 0
Conc: 27



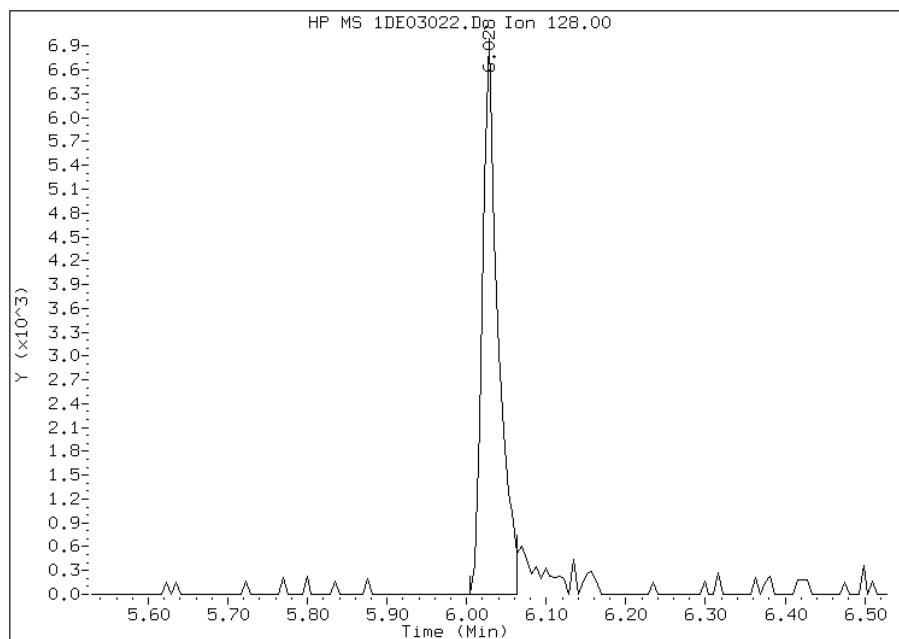
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03022.D
Inj. Date and Time: 03-MAY-2013 17:52
Instrument ID: BSMSD.i
Client ID: CV1142A-CSD
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

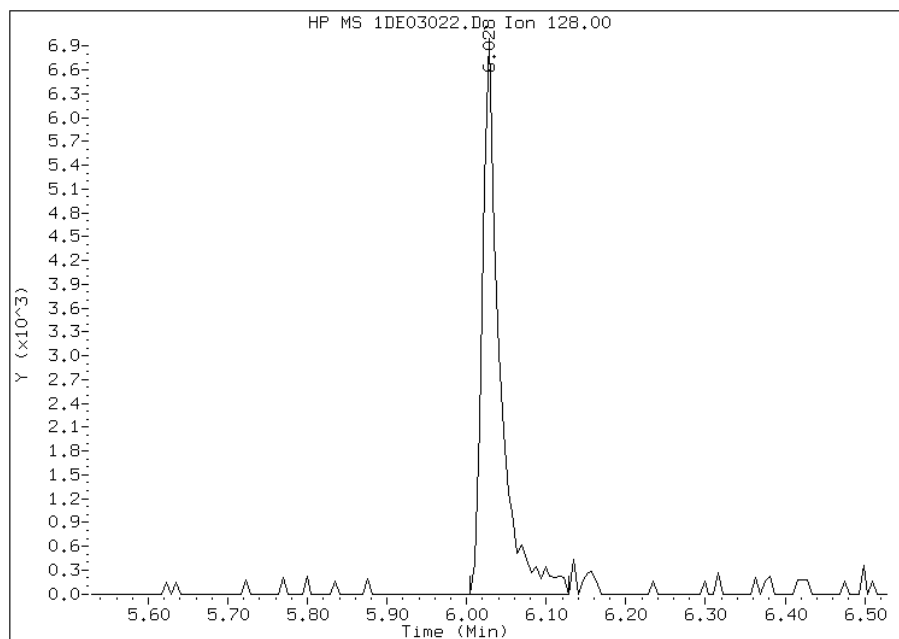
Processing Integration Results

RT: 6.03
Response: 9548
Amount: 0
Conc: 22



Manual Integration Results

RT: 6.03
Response: 10649
Amount: 0
Conc: 25



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:44
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1142B-CS Lab Sample ID: 680-89791-50
 Matrix: Solid Lab File ID: 1DE03023.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 08:51
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15(g) Date Analyzed: 05/03/2013 18:15
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 21.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	25
208-96-8	Acenaphthylene	23	J	51	6.3
120-12-7	Anthracene	43		11	5.3
56-55-3	Benzo[a]anthracene	130		10	4.9
50-32-8	Benzo[a]pyrene	130		13	6.6
205-99-2	Benzo[b]fluoranthene	220		15	7.7
191-24-2	Benzo[g,h,i]perylene	79		25	5.6
207-08-9	Benzo[k]fluoranthene	91		10	4.6
218-01-9	Chrysene	190		11	5.7
53-70-3	Dibenz(a,h)anthracene	20	J	25	5.2
206-44-0	Fluoranthene	260		25	5.1
86-73-7	Fluorene	11	J	25	5.2
193-39-5	Indeno[1,2,3-cd]pyrene	51		25	9.0
90-12-0	1-Methylnaphthalene	88		51	5.6
91-57-6	2-Methylnaphthalene	89		51	9.0
91-20-3	Naphthalene	83		51	5.6
85-01-8	Phenanthrene	170		10	4.9
129-00-0	Pyrene	190		25	4.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	37		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03023.D
 Lab Smp Id: 680-89791-B-50-A Client Smp ID: CV1142B-CS
 Inj Date : 03-MAY-2013 18:15
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-b-50-a
 Misc Info : 680-89791-B-50-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 24
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	21.029	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.008	6.004	(1.000)	1401978	40.0000	
* 6 Acenaphthene-d10	164	7.688	7.690	(1.000)	926869	40.0000	
* 9 Phenanthrene-d10	188	8.957	8.953	(1.000)	1521489	40.0000	
\$ 13 o-Terphenyl	230	9.257	9.259	(1.033)	85482	3.72879	310
* 17 Chrysene-d12	240	11.267	11.257	(1.000)	1670642	40.0000	
* 22 Perylene-d12	264	13.082	13.066	(1.000)	1630651	40.0000	
2 Naphthalene	128	6.026	6.027	(1.003)	34227	0.98221	83(M)
3 2-Methylnaphthalene	142	6.737	6.738	(1.121)	23640	1.05091	89(M)
4 1-Methylnaphthalene	142	6.831	6.826	(1.137)	22243	1.04708	88(M)
5 Acenaphthylene	152	7.565	7.561	(0.984)	10744	0.27388	23(M)
8 Fluorene	166	8.164	8.160	(1.062)	3886	0.13552	11
10 Phenanthrene	178	8.975	8.971	(1.002)	85614	2.04286	170
11 Anthracene	178	9.016	9.012	(1.007)	21360	0.51351	43
12 Carbazole	167	9.163	9.159	(1.023)	9947	0.27111	23

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.956	9.958 (1.112)		134448	3.11754	260
15 Pyrene	202	10.144	10.146 (0.900)		110402	2.20059	180
16 Benzo(a)anthracene	228	11.255	11.239 (0.999)		75263	1.55819	130
18 Chrysene	228	11.284	11.280 (1.002)		104260	2.30207	190
19 Benzo(b)fluoranthene	252	12.542	12.526 (0.959)		108521	2.66413	220(M)
20 Benzo(k)fluoranthene	252	12.565	12.567 (0.960)		46248	1.07770	91(QM)
21 Benzo(a)pyrene	252	12.988	12.978 (0.993)		62555	1.52841	130
23 Indeno(1,2,3-cd)pyrene	276	14.668	14.647 (1.121)		26401	0.60495	51(M)
24 Dibenzo(a,h)anthracene	278	14.686	14.670 (1.123)		9700	0.23603	20
25 Benzo(g,h,i)perylene	276	15.103	15.081 (1.154)		39368	0.93687	79(M)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
 M - Compound response manually integrated.

Data File: 1DE03023.D

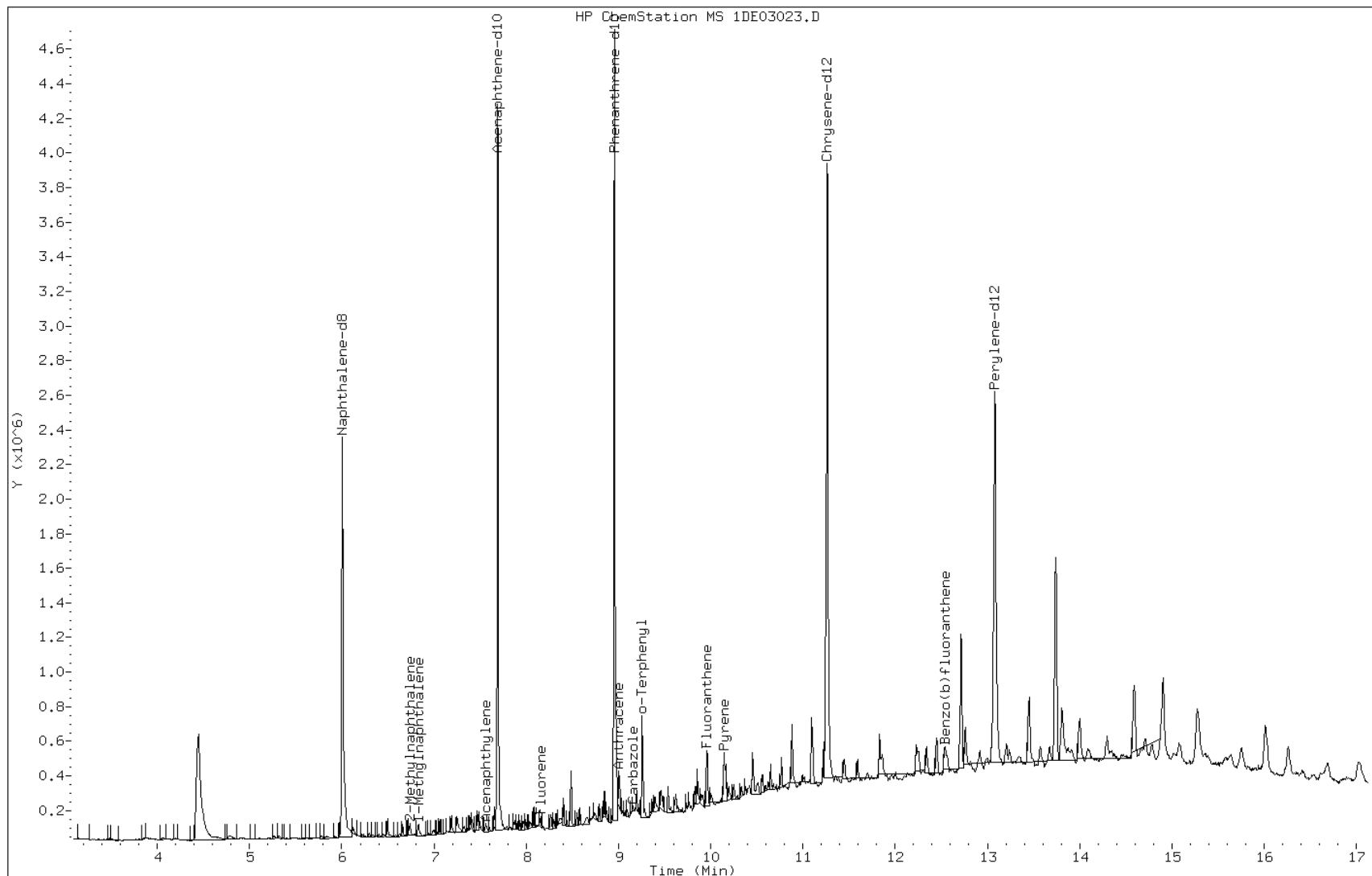
Date: 03-MAY-2013 18:15

Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

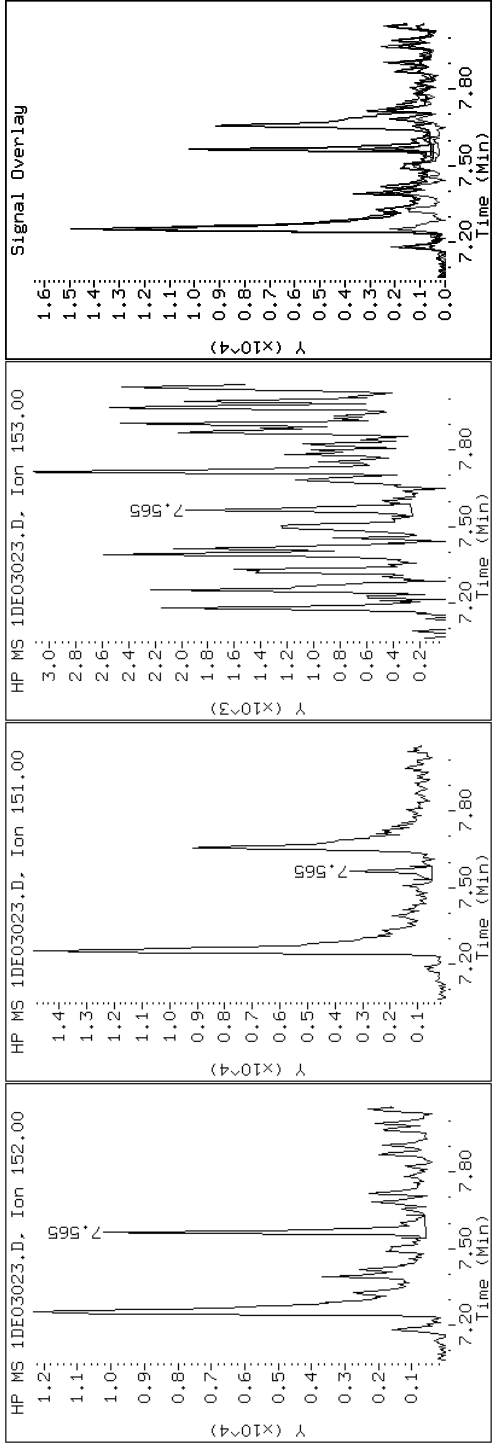
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

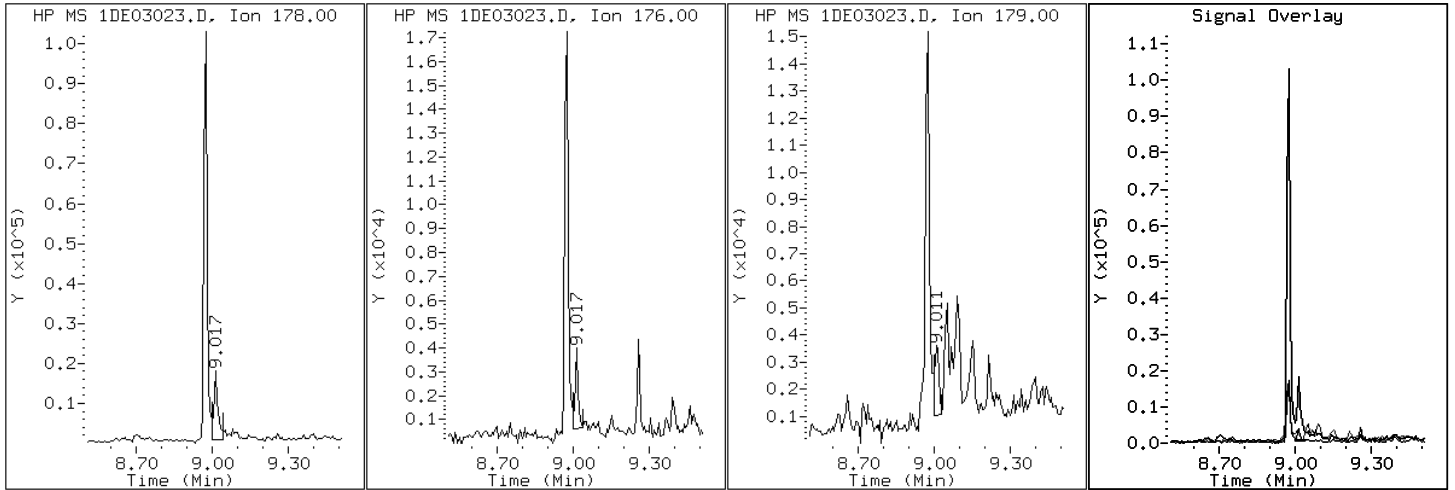
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

11 Anthracene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

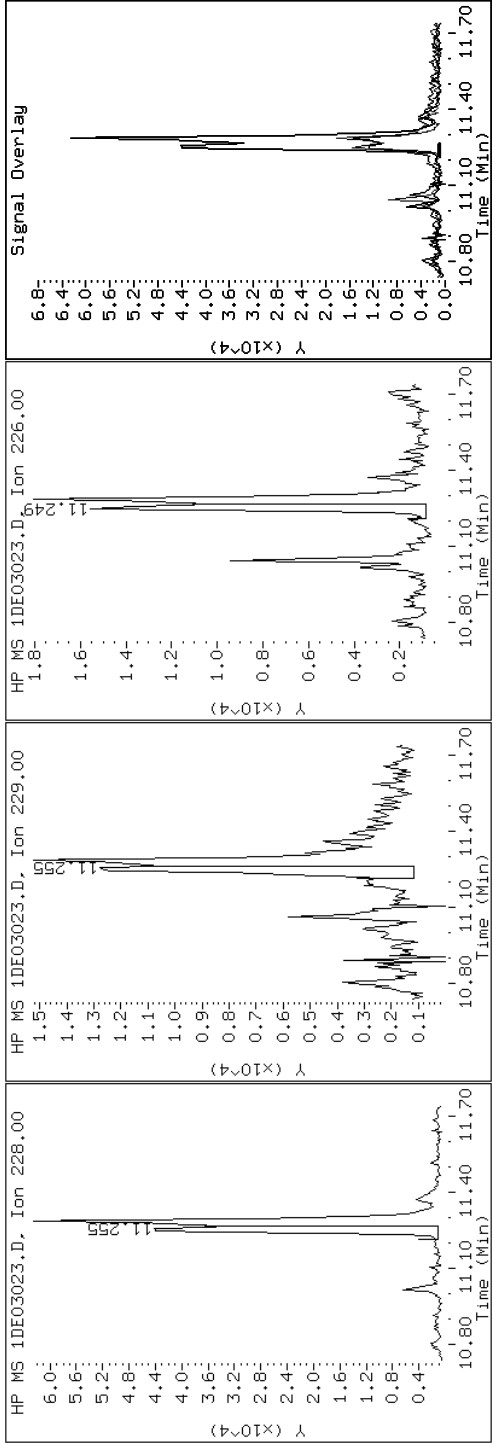
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

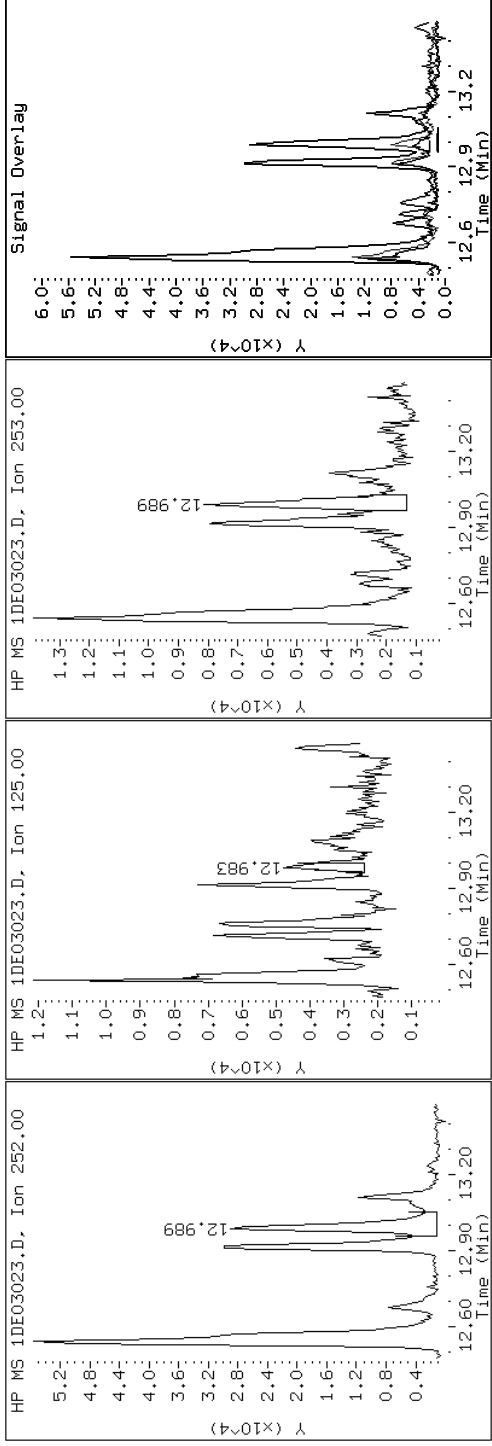
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

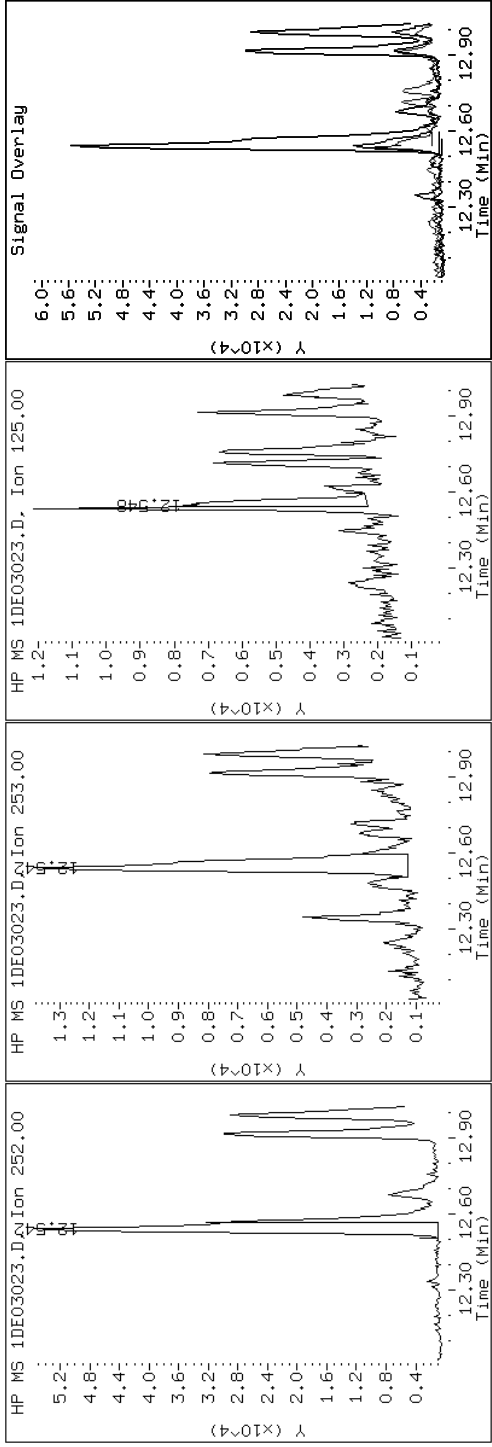
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

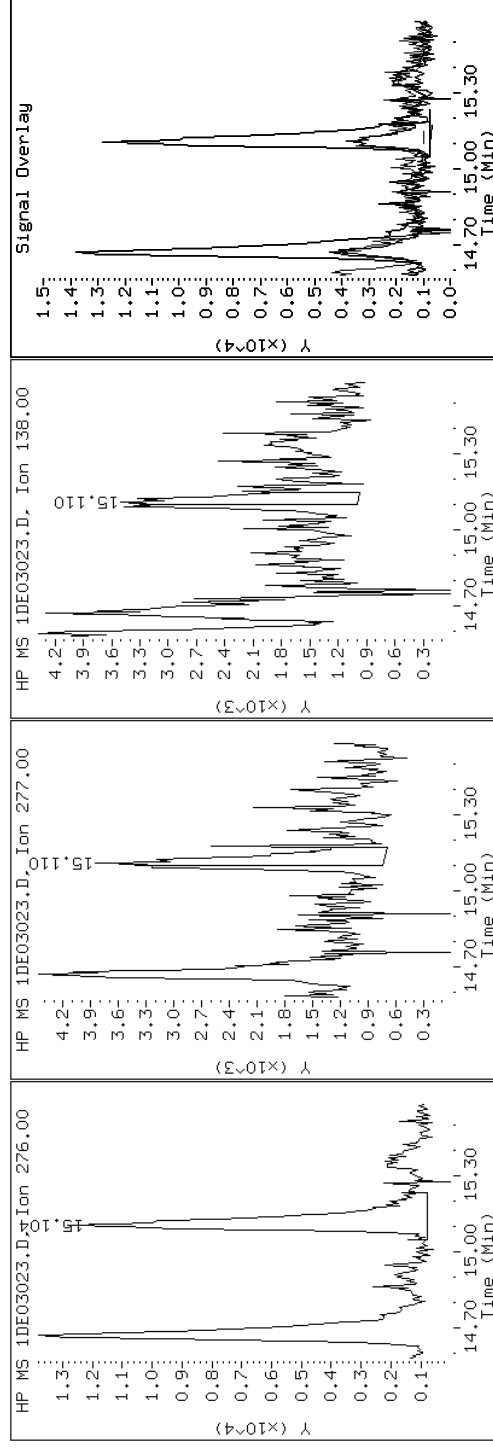
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

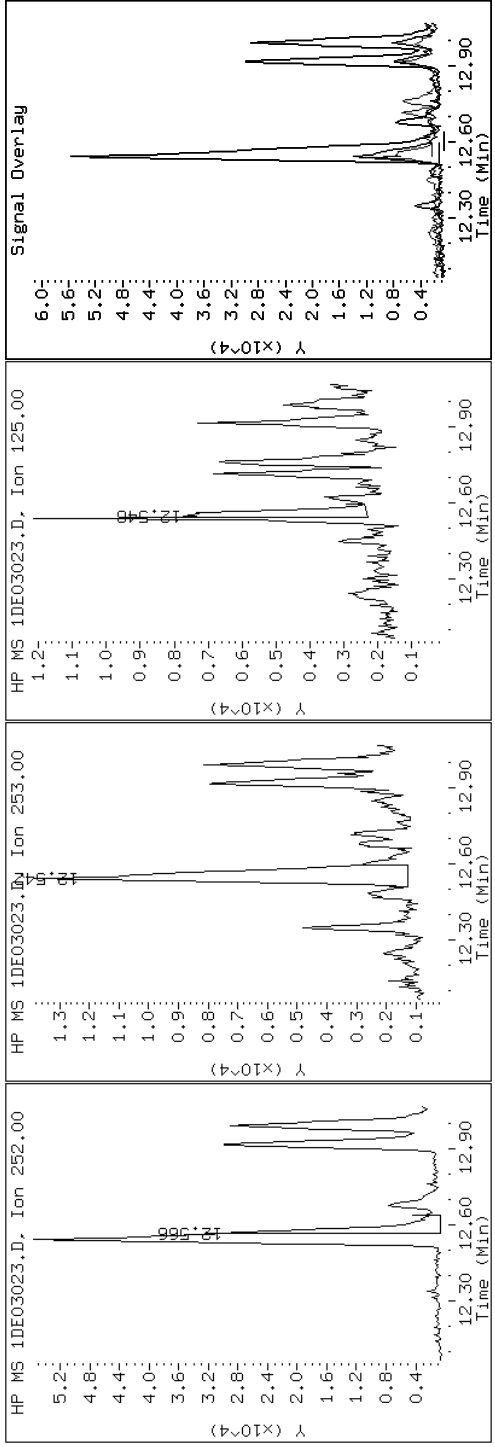
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

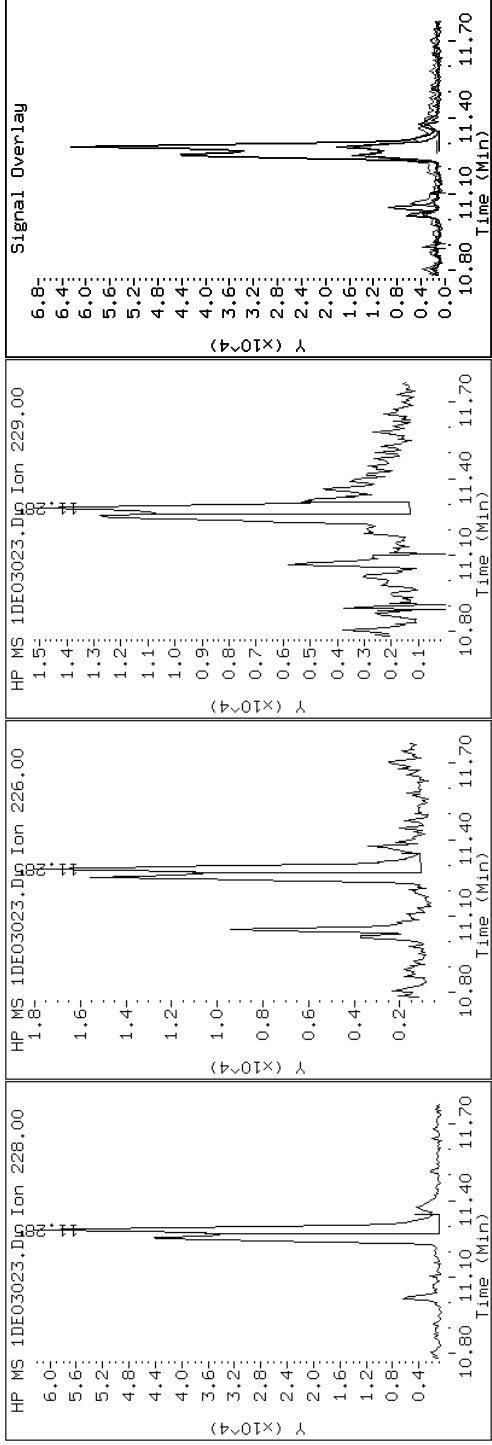
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

18 Chrysene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

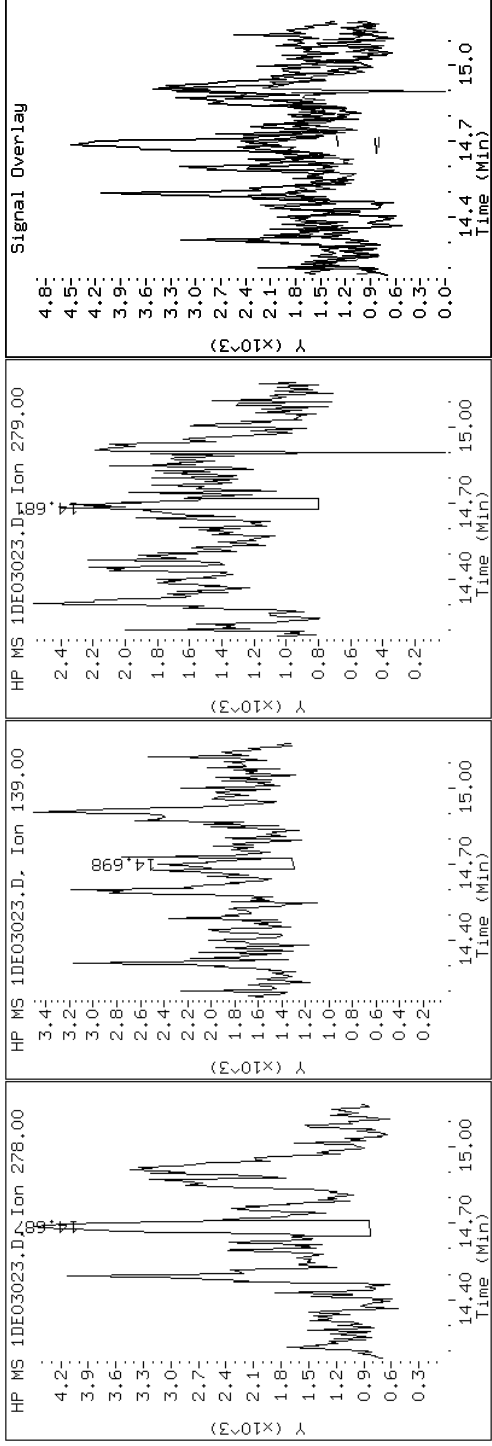
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

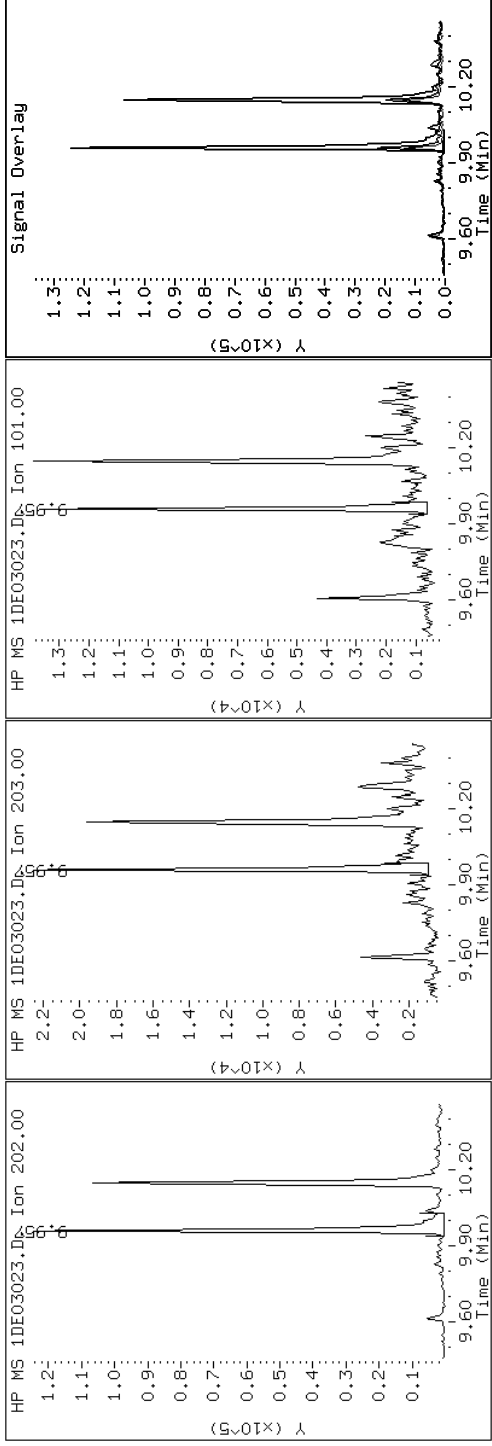
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

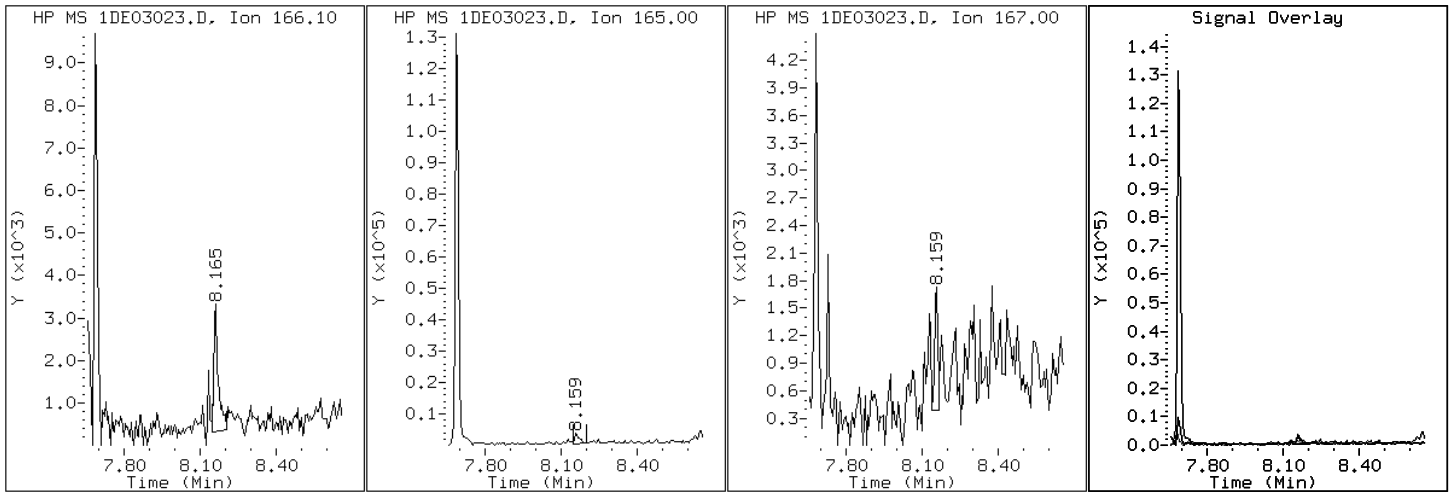
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

8 Fluorene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

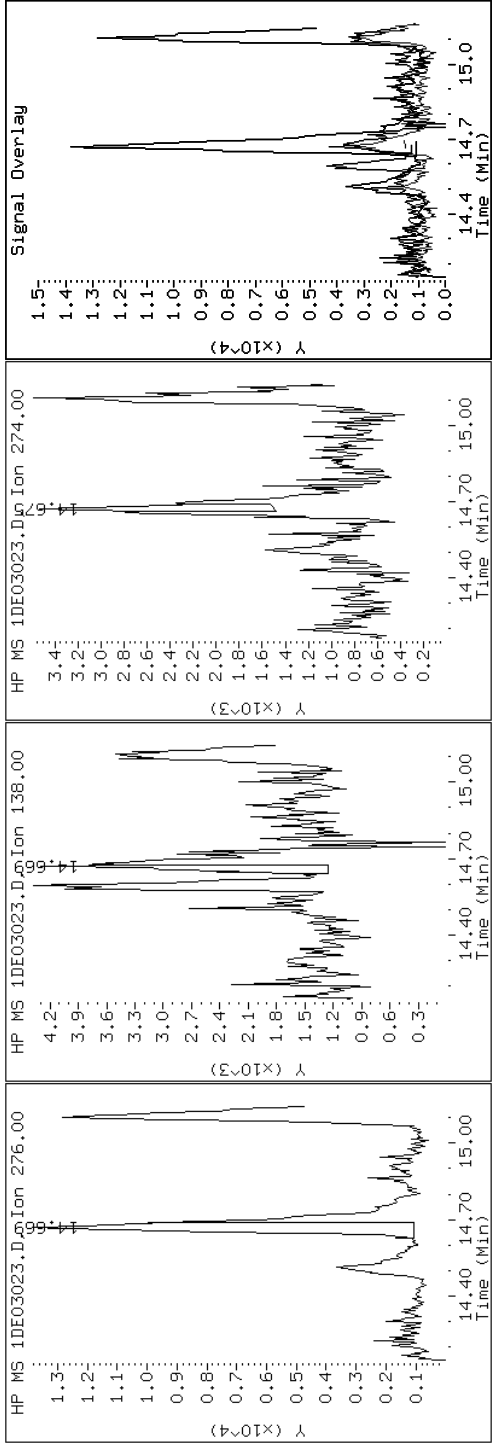
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

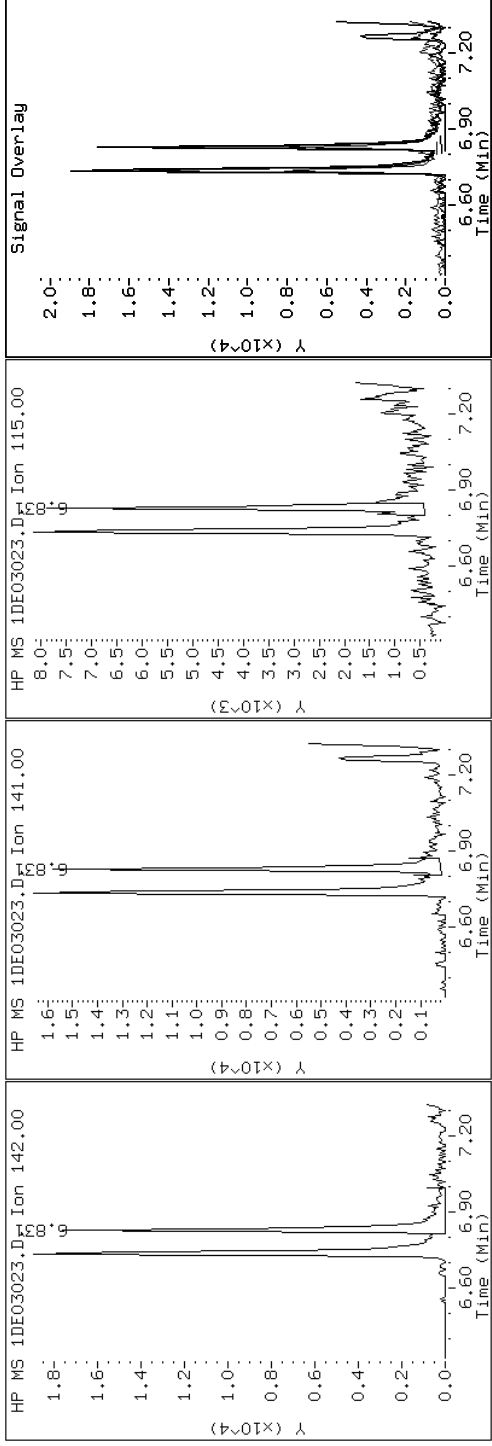
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

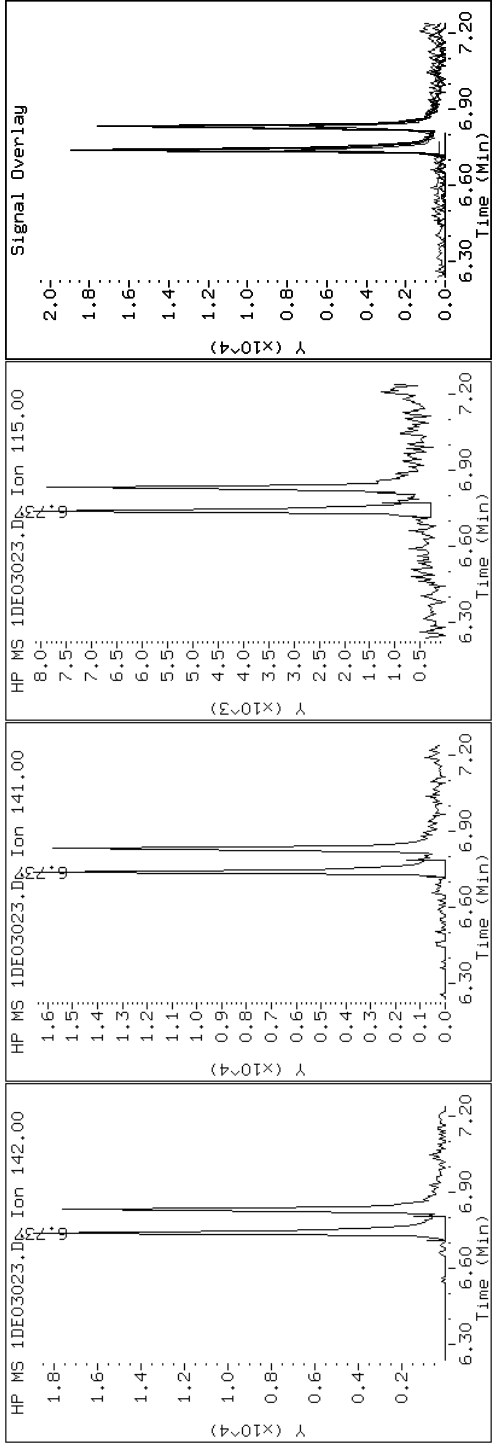
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

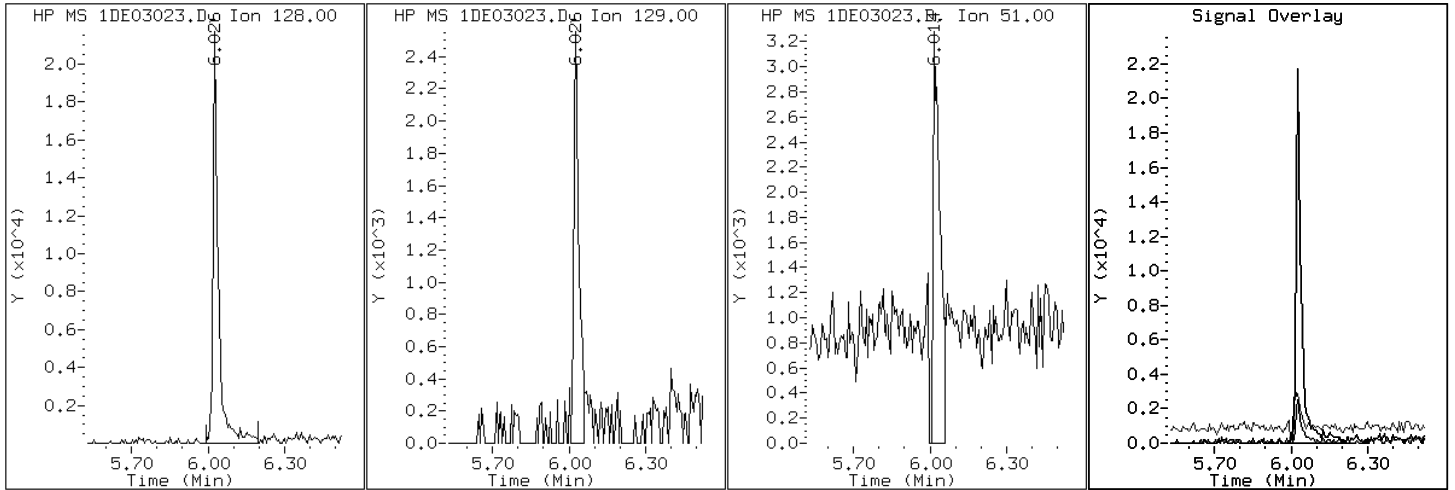
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

2 Naphthalene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

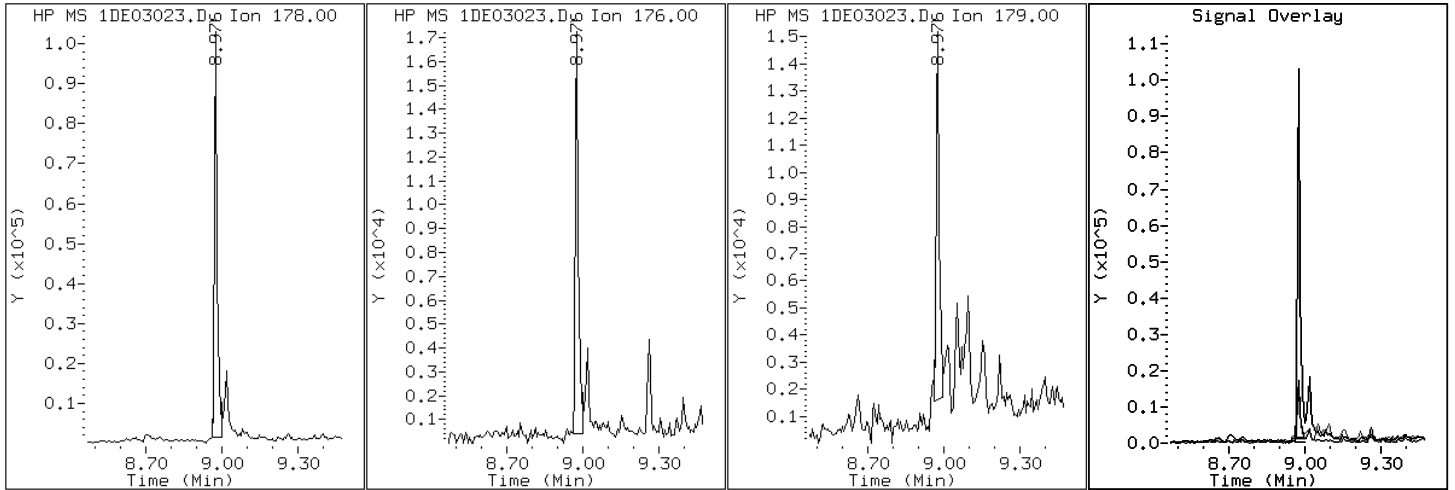
Client ID: CV1142B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-b-50-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03023.D

Date: 03-MAY-2013 18:15

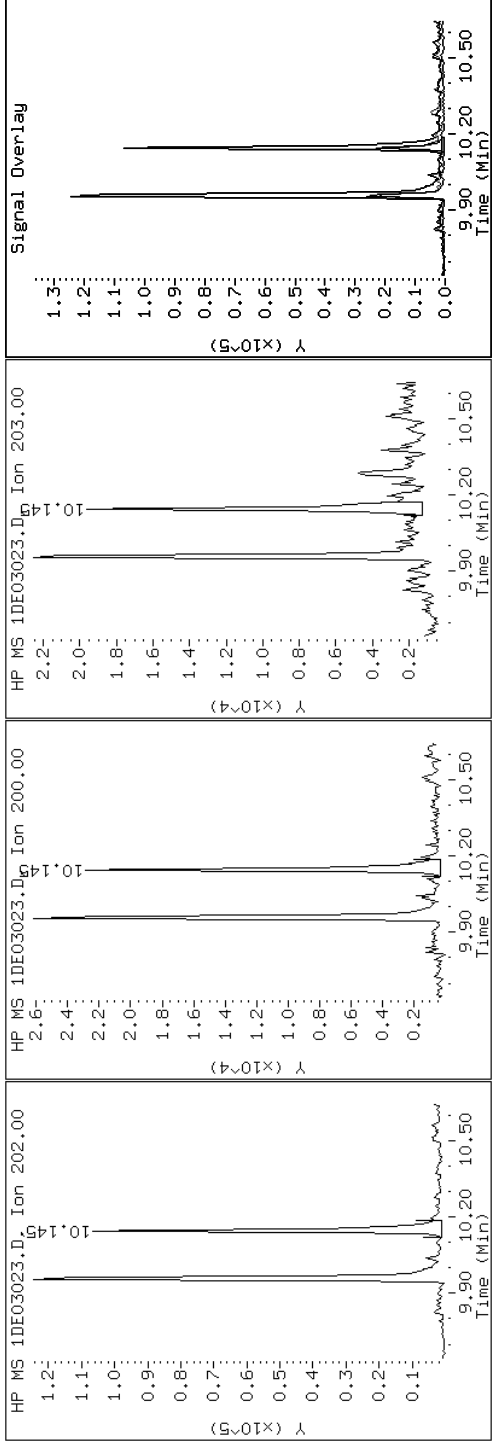
Client ID: CV1142B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-b-50-a

Operator: SCC

15 Pyrene

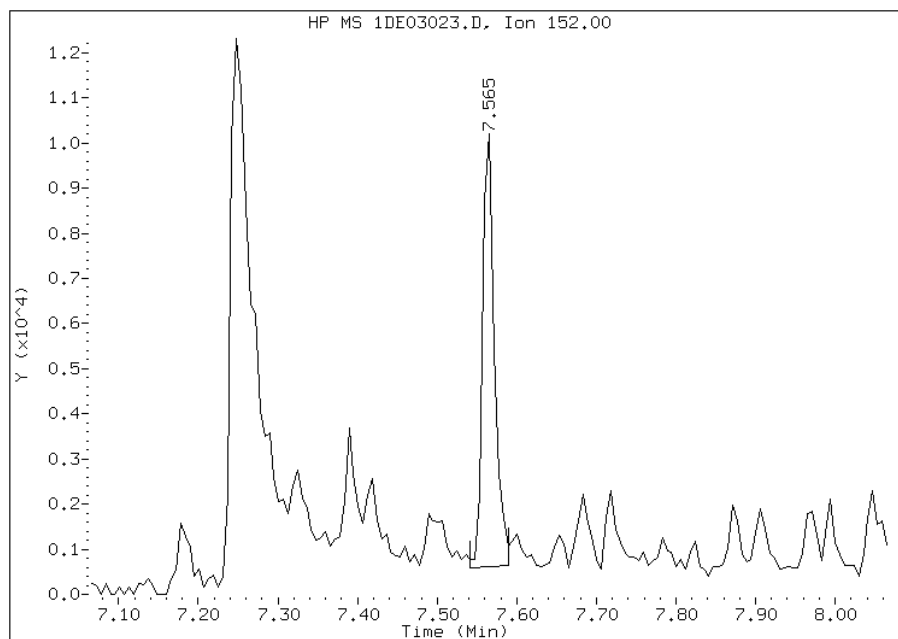


Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 5 Acenaphthylene
CAS #: 208-96-8
Report Date: 05/06/2013

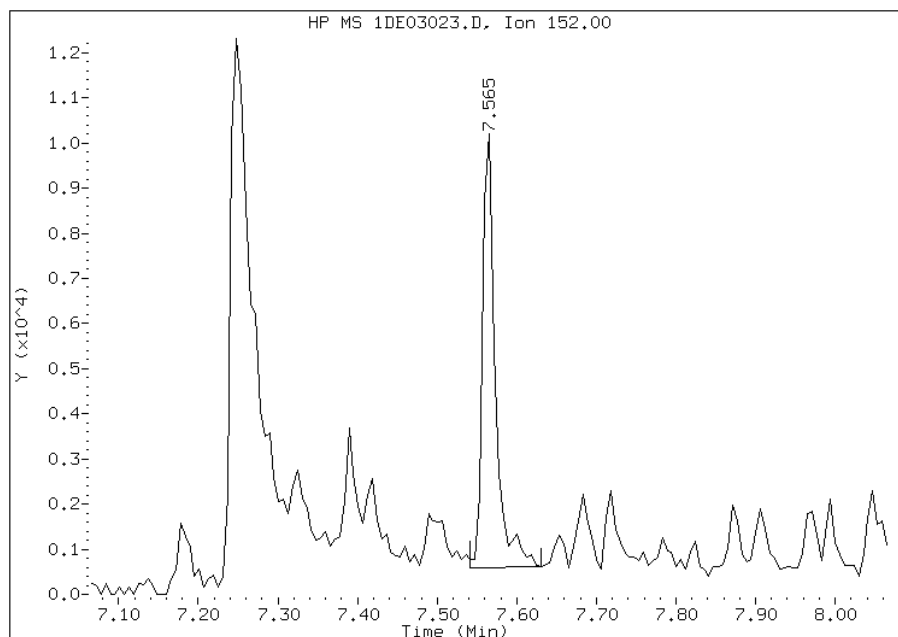
Processing Integration Results

RT: 7.57
Response: 9859
Amount: 0
Conc: 21



Manual Integration Results

RT: 7.57
Response: 10744
Amount: 0
Conc: 23



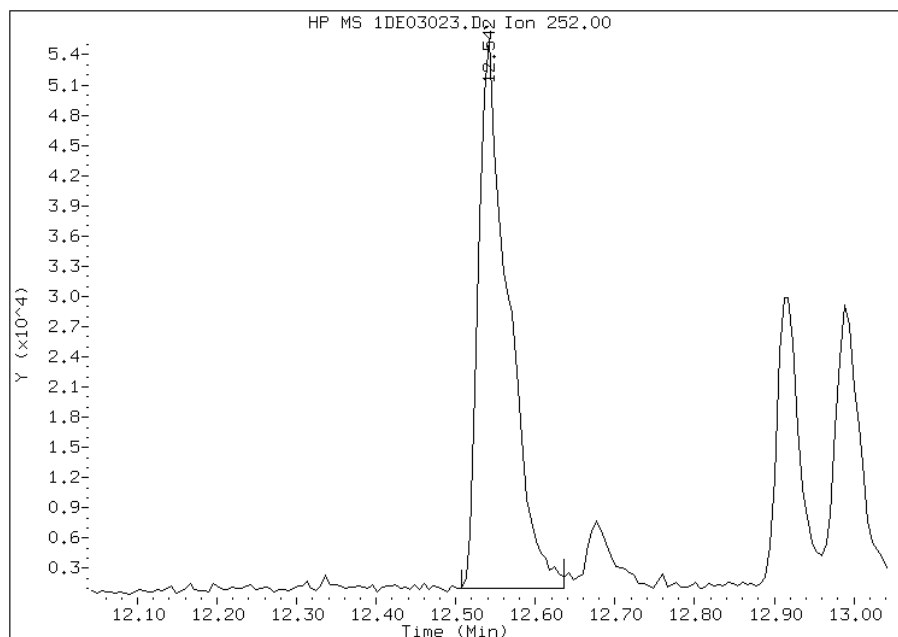
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:49
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

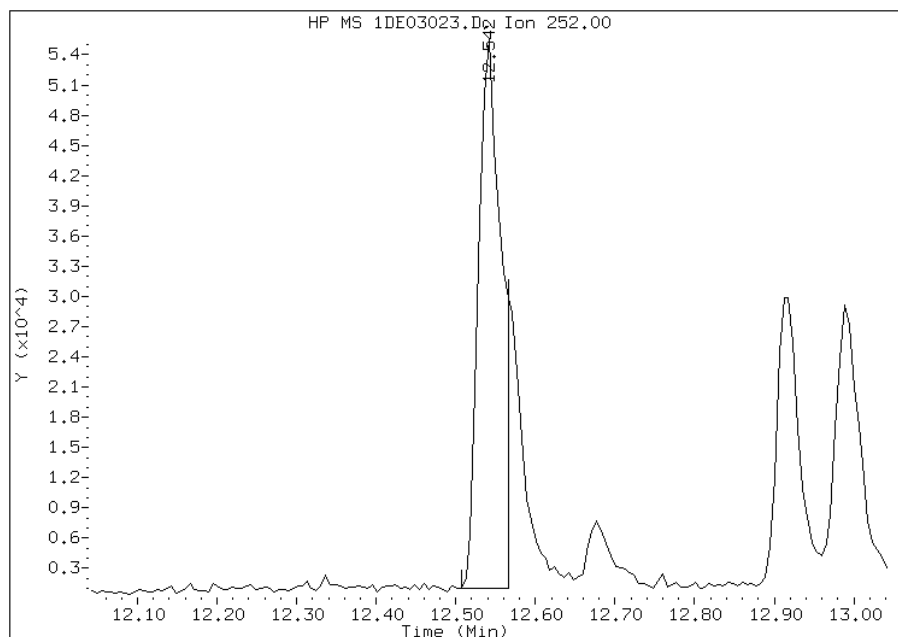
Processing Integration Results

RT: 12.54
Response: 142792
Amount: 4
Conc: 296



Manual Integration Results

RT: 12.54
Response: 108521
Amount: 3
Conc: 225



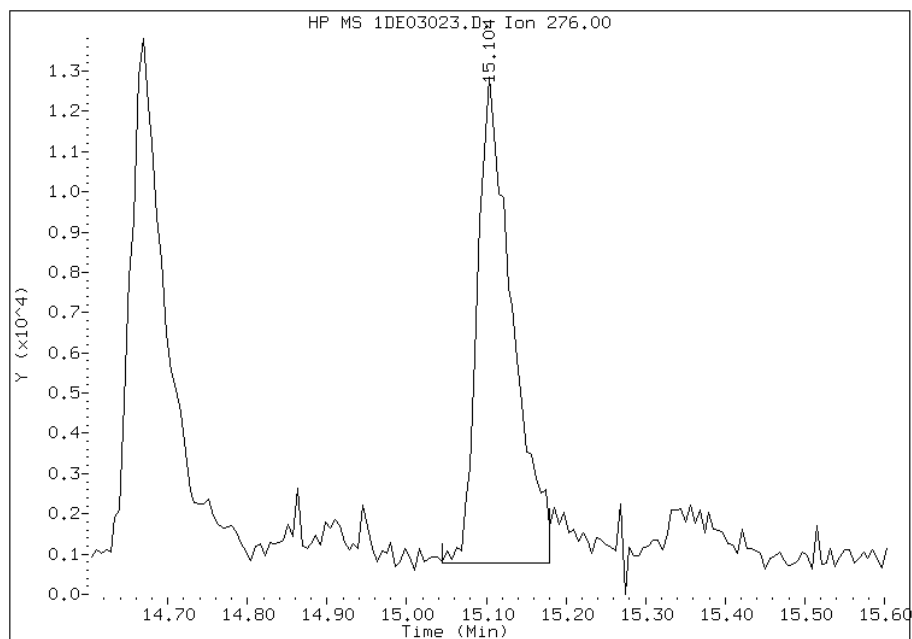
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:49
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMDS.i
Client ID: CV1142B-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

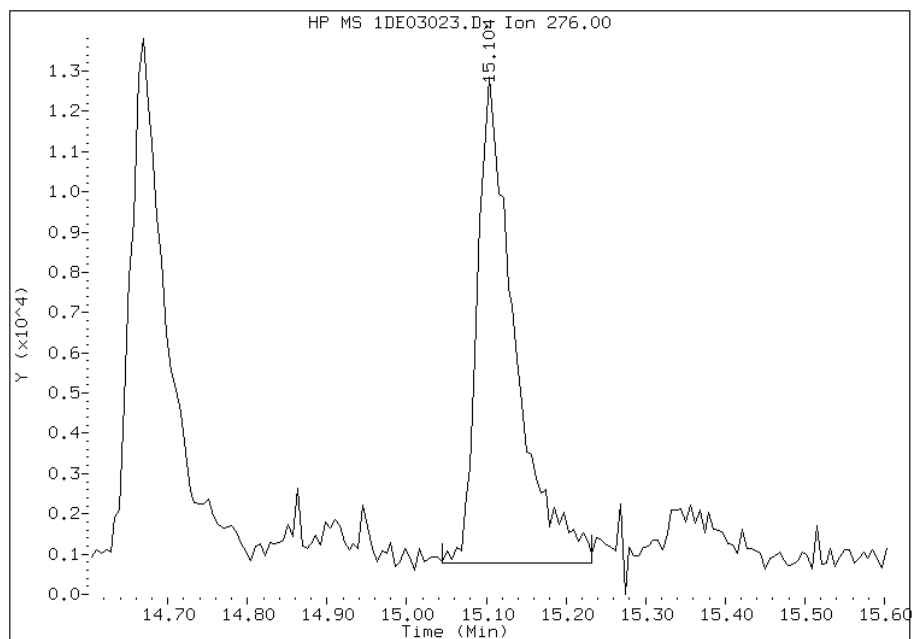
Processing Integration Results

RT: 15.10
Response: 36727
Amount: 1
Conc: 74



Manual Integration Results

RT: 15.10
Response: 39368
Amount: 1
Conc: 79



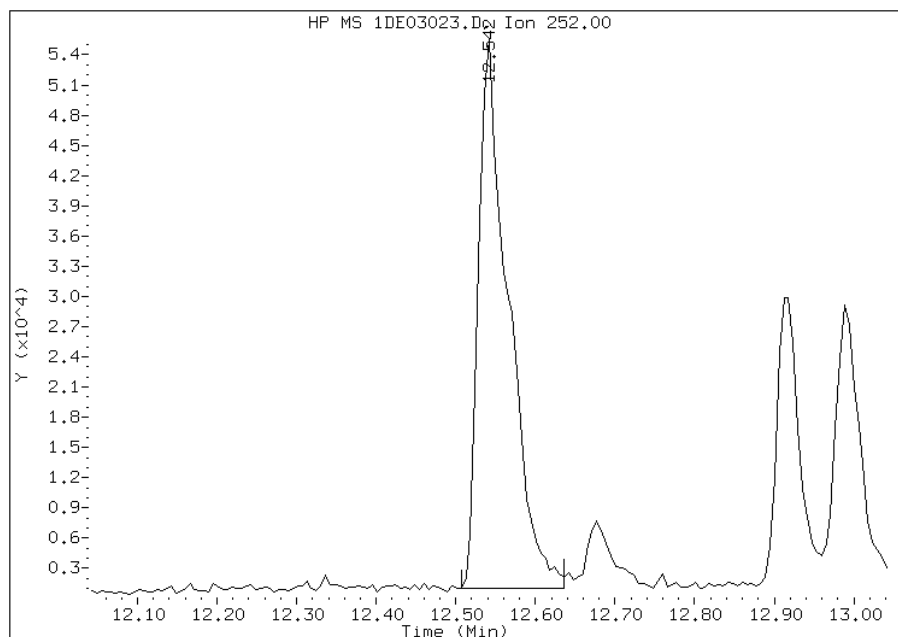
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

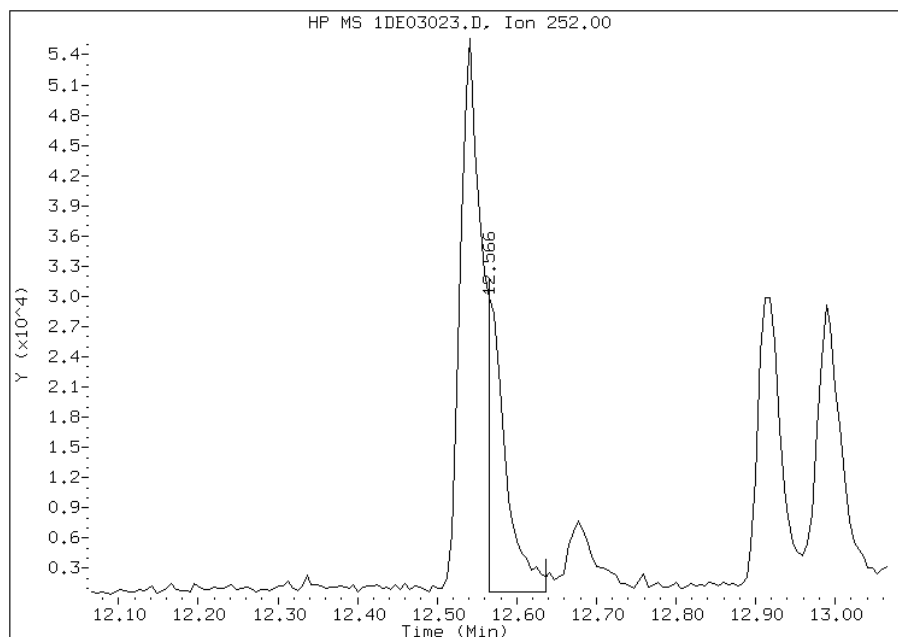
Processing Integration Results

RT: 12.54
Response: 142792
Amount: 3
Conc: 281



Manual Integration Results

RT: 12.57
Response: 46248
Amount: 1
Conc: 91



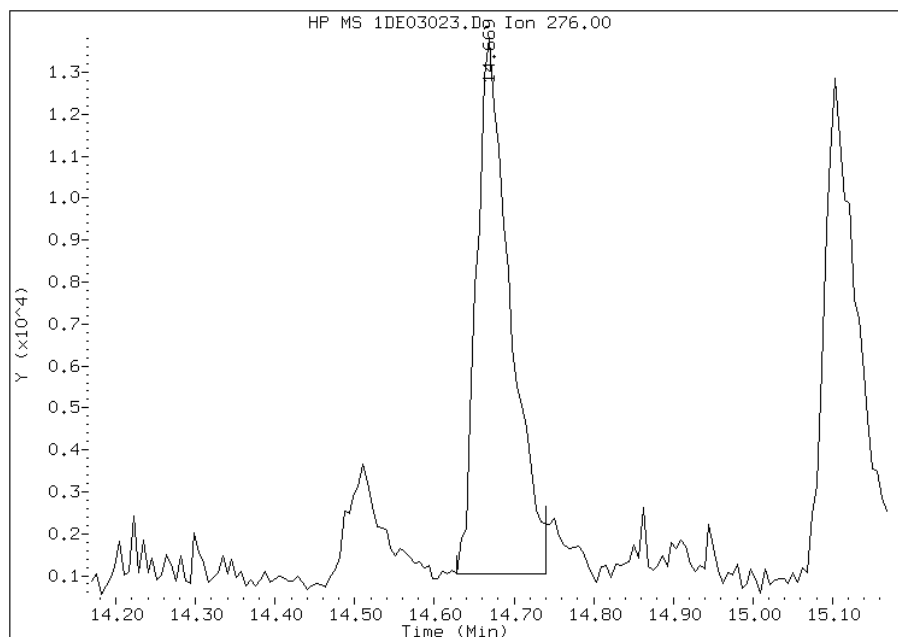
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

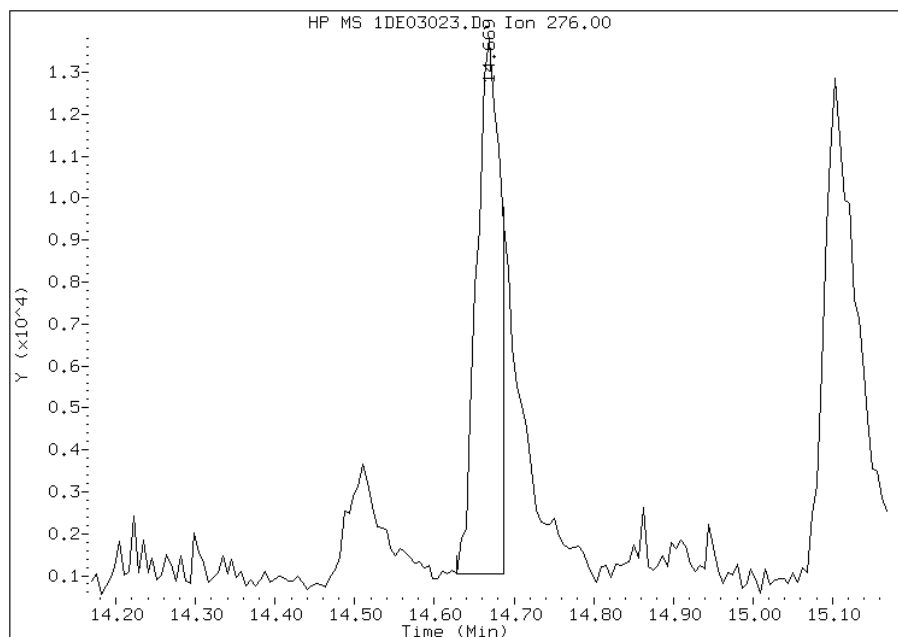
Processing Integration Results

RT: 14.67
Response: 37344
Amount: 1
Conc: 72



Manual Integration Results

RT: 14.67
Response: 26401
Amount: 1
Conc: 51



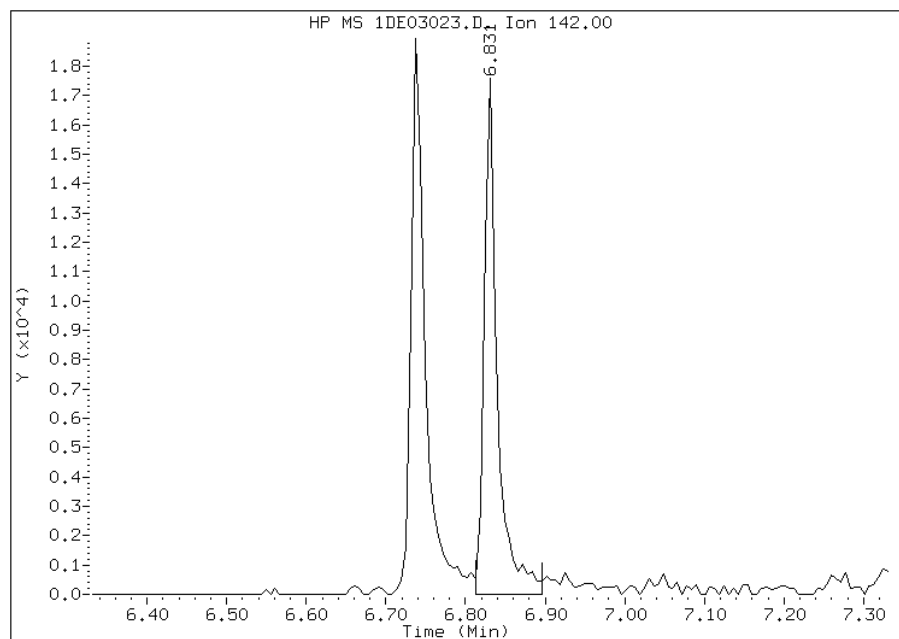
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:51
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

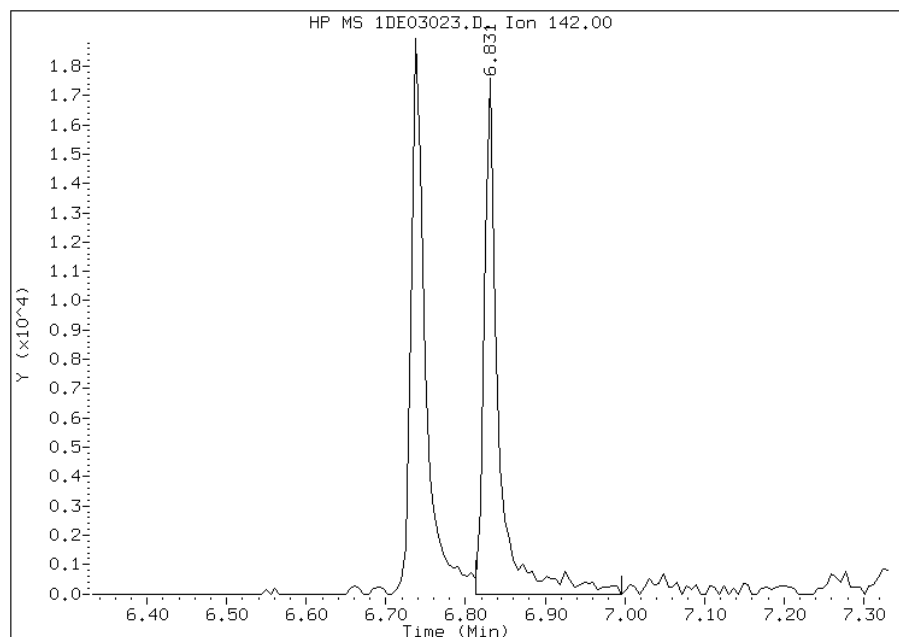
Processing Integration Results

RT: 6.83
Response: 19954
Amount: 1
Conc: 79



Manual Integration Results

RT: 6.83
Response: 22243
Amount: 1
Conc: 88



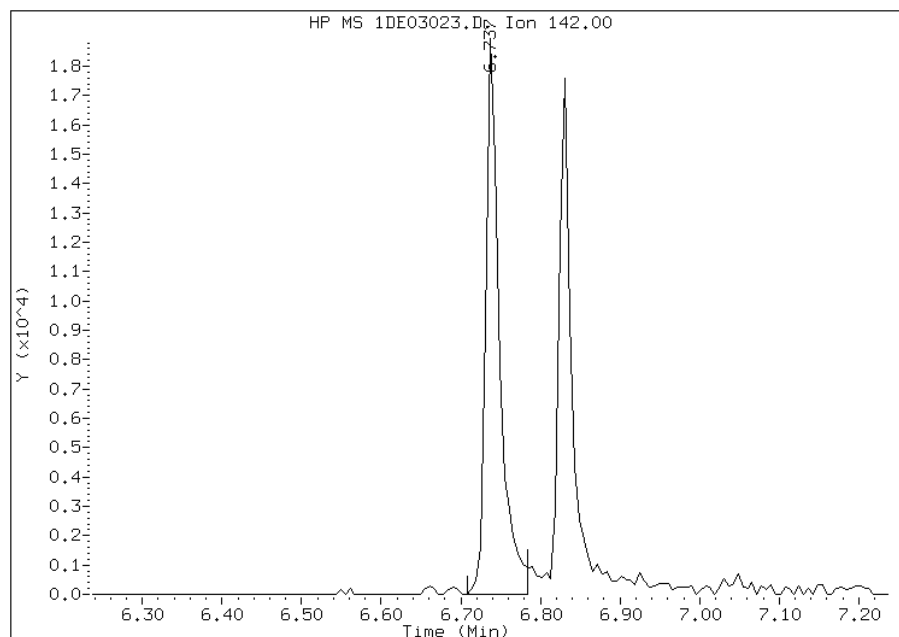
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:49
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

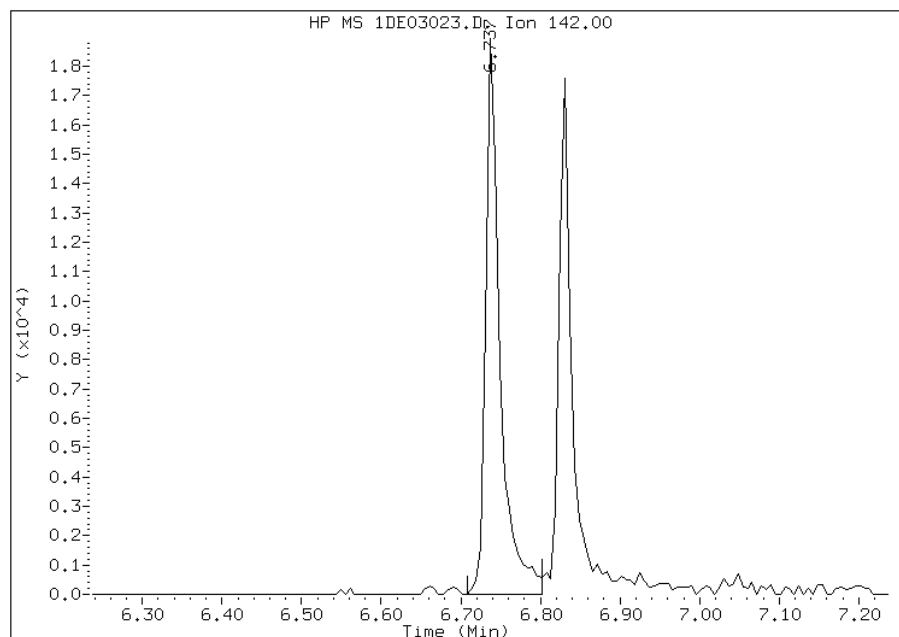
Processing Integration Results

RT: 6.74
Response: 22883
Amount: 1
Conc: 86



Manual Integration Results

RT: 6.74
Response: 23640
Amount: 1
Conc: 89



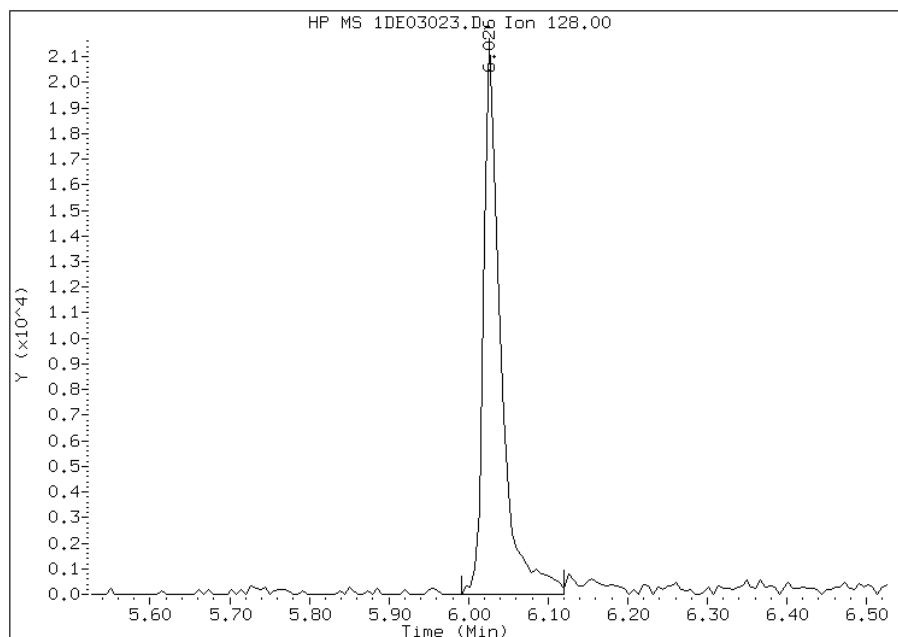
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:49
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03023.D
Inj. Date and Time: 03-MAY-2013 18:15
Instrument ID: BSMSD.i
Client ID: CV1142B-CS
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

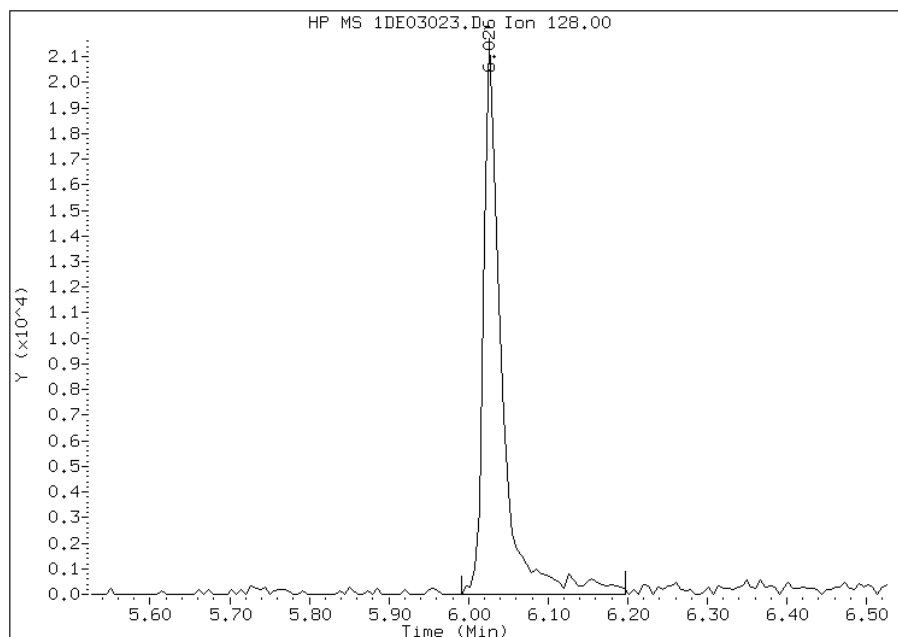
Processing Integration Results

RT: 6.03
Response: 32503
Amount: 1
Conc: 79



Manual Integration Results

RT: 6.03
Response: 34227
Amount: 1
Conc: 83



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:49
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1143A-CS Lab Sample ID: 680-89791-51
 Matrix: Solid Lab File ID: 1DE03024.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 08:55
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15.03(g) Date Analyzed: 05/03/2013 18:37
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 23.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	26
208-96-8	Acenaphthylene	52	U	52	6.5
120-12-7	Anthracene	7.7	J	11	5.4
56-55-3	Benzo[a]anthracene	31		10	5.1
50-32-8	Benzo[a]pyrene	29		13	6.7
205-99-2	Benzo[b]fluoranthene	54		16	7.9
191-24-2	Benzo[g,h,i]perylene	17	J	26	5.7
207-08-9	Benzo[k]fluoranthene	24		10	4.7
218-01-9	Chrysene	97		12	5.8
53-70-3	Dibenz(a,h)anthracene	7.0	J	26	5.3
206-44-0	Fluoranthene	70		26	5.2
86-73-7	Fluorene	26	U	26	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	26	U	26	9.2
90-12-0	1-Methylnaphthalene	25	J	52	5.7
91-57-6	2-Methylnaphthalene	30	J	52	9.2
91-20-3	Naphthalene	27	J	52	5.7
85-01-8	Phenanthrene	44		10	5.1
129-00-0	Pyrene	48		26	4.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	39		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03024.D
 Lab Smp Id: 680-89791-A-51-A Client Smp ID: CV1143A-CS
 Inj Date : 03-MAY-2013 18:37
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-51-a
 Misc Info : 680-89791-A-51-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 25
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	23.060	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.007	6.004	(1.000)	1472085	40.0000	
* 6 Acenaphthene-d10	164		7.694	7.690	(1.000)	970581	40.0000	
* 9 Phenanthrene-d10	188		8.957	8.953	(1.000)	1643082	40.0000	
\$ 13 o-Terphenyl	230		9.262	9.259	(1.034)	95355	3.85165	330
* 17 Chrysene-d12	240		11.260	11.257	(1.000)	1704609	40.0000	
* 22 Perylene-d12	264		13.081	13.066	(1.000)	1666454	40.0000	
2 Naphthalene	128		6.031	6.027	(1.004)	11224	0.30676	26(M)
3 2-Methylnaphthalene	142		6.736	6.738	(1.121)	8280	0.35056	30
4 1-Methylnaphthalene	142		6.830	6.826	(1.137)	6344	0.28442	24
5 Acenaphthylene	152		7.564	7.561	(0.983)	2909	0.07081	6.1
8 Fluorene	166		8.164	8.160	(1.061)	1476	0.04915	4.2
10 Phenanthrene	178		8.974	8.971	(1.002)	23134	0.51116	44
11 Anthracene	178		9.016	9.012	(1.007)	4003	0.08911	7.7
12 Carbazole	167		9.168	9.159	(1.024)	2601	0.06564	5.7

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.956	9.958	(1.112)	37650	0.80841	70(M)
15 Pyrene	202	10.149	10.146	(0.901)	28336	0.55355	48
16 Benzo(a)anthracene	228	11.254	11.239	(0.999)	17909	0.36339	31
18 Chrysene	228	11.283	11.280	(1.002)	51663	1.11799	97
19 Benzo(b)fluoranthene	252	12.535	12.526	(0.958)	26145	0.62806	54
20 Benzo(k)fluoranthene	252	12.564	12.567	(0.960)	11970	0.27294	24
21 Benzo(a)pyrene	252	12.987	12.978	(0.993)	14198	0.33945	29
23 Indeno(1,2,3-cd)pyrene	276	14.656	14.647	(1.120)	4445	0.09966	8.6(M)
24 Dibenzo(a,h)anthracene	278	14.685	14.670	(1.123)	3399	0.08093	7.0(M)
25 Benzo(g,h,i)perylene	276	15.103	15.081	(1.155)	8614	0.20059	17(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03024.D

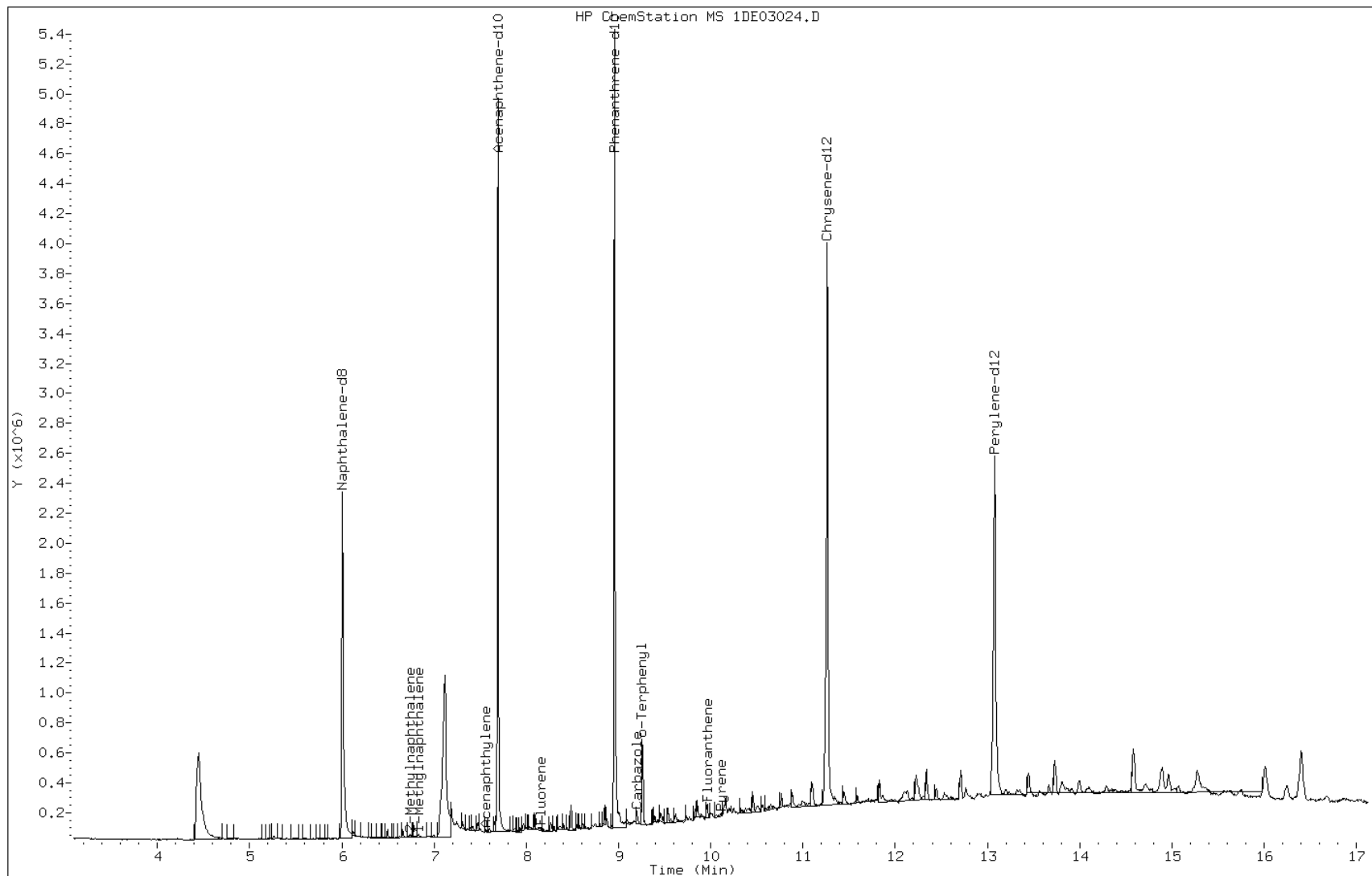
Date: 03-MAY-2013 18:37

Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

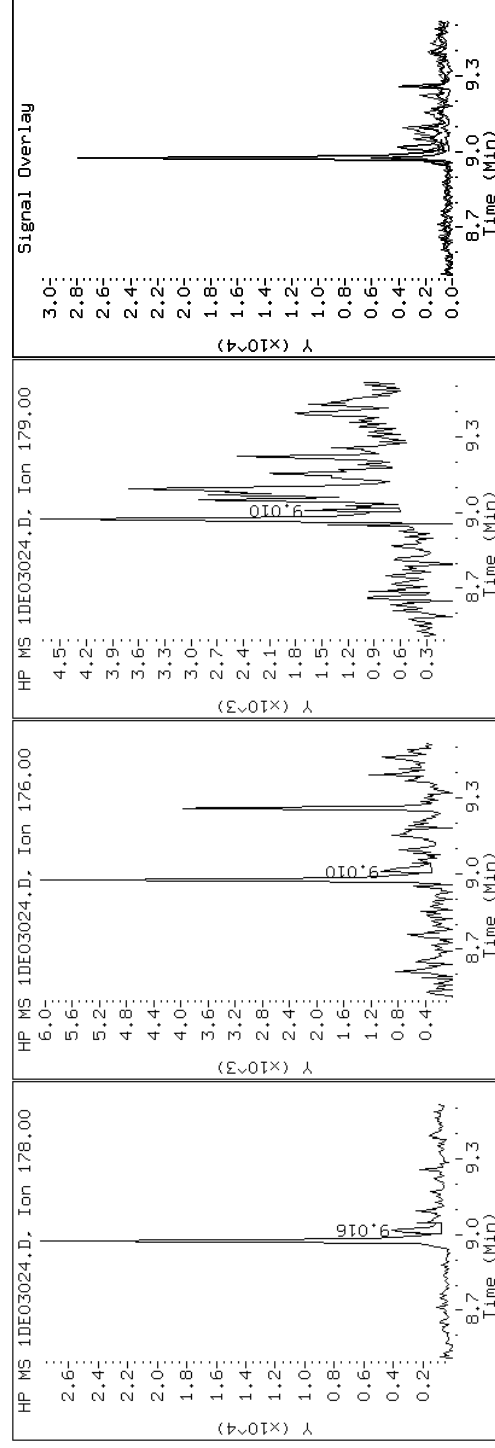
Client ID: CV1143A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

11 Anthracene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

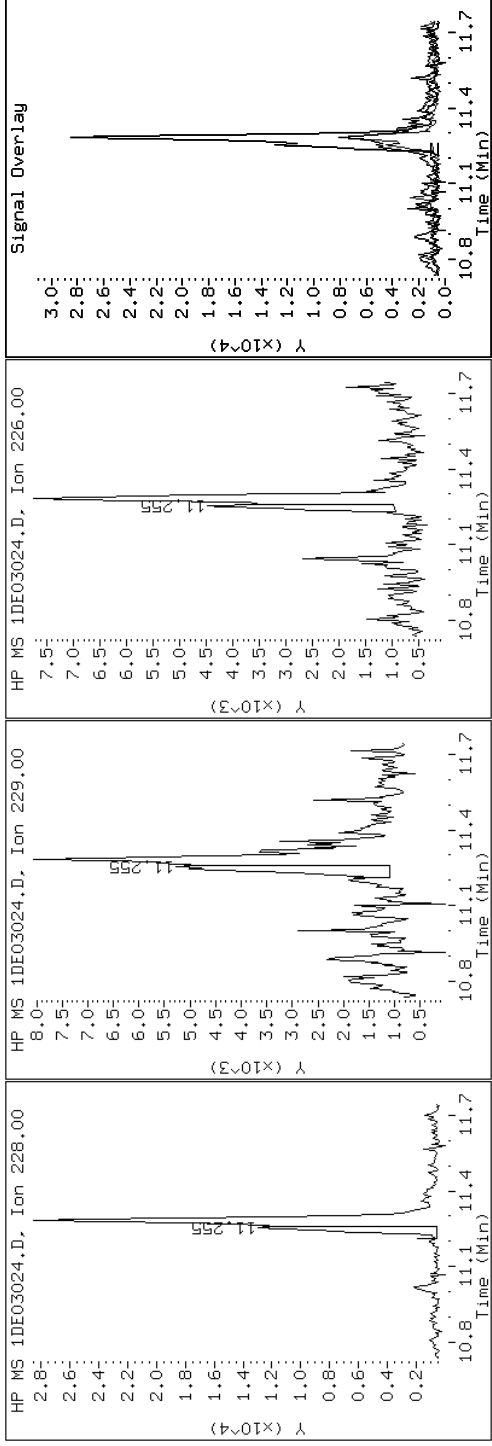
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

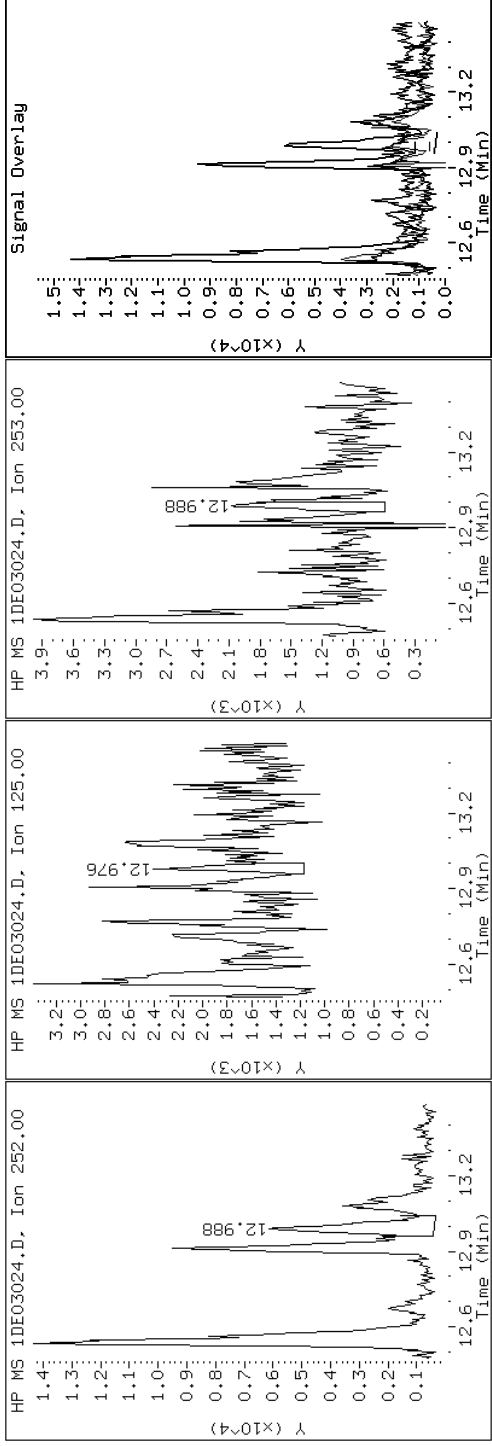
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

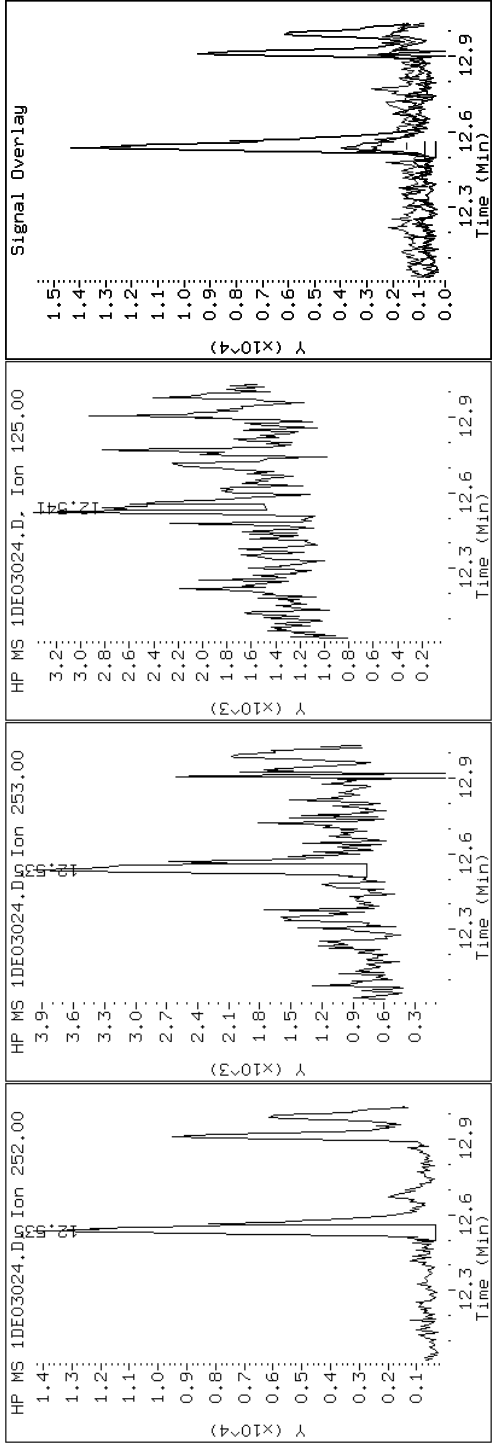
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

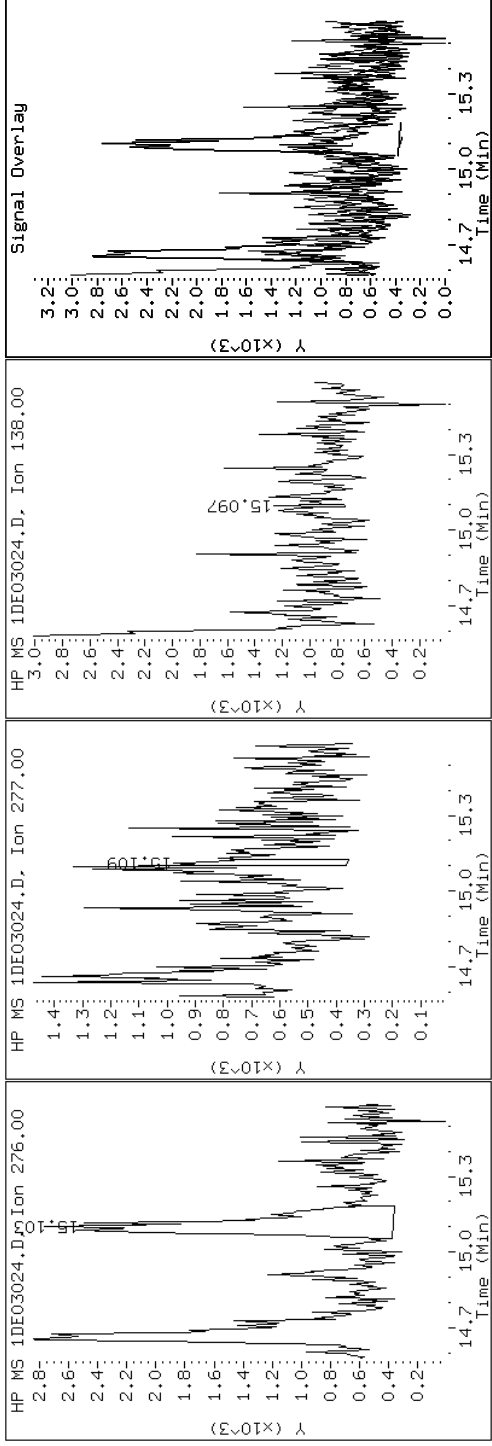
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

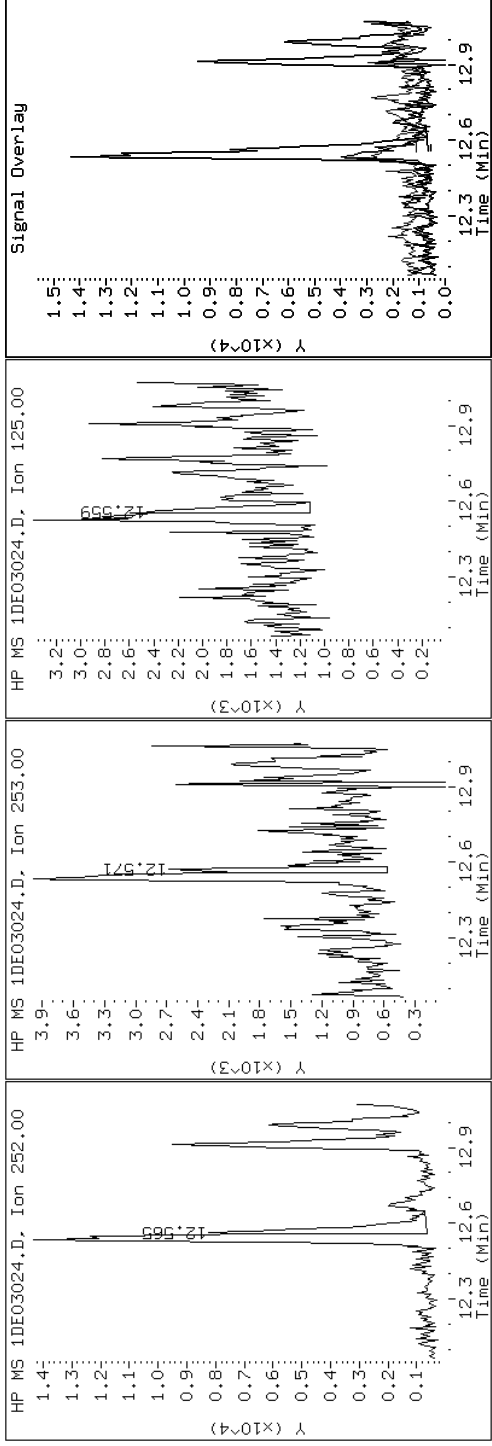
Client ID: CV1143A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

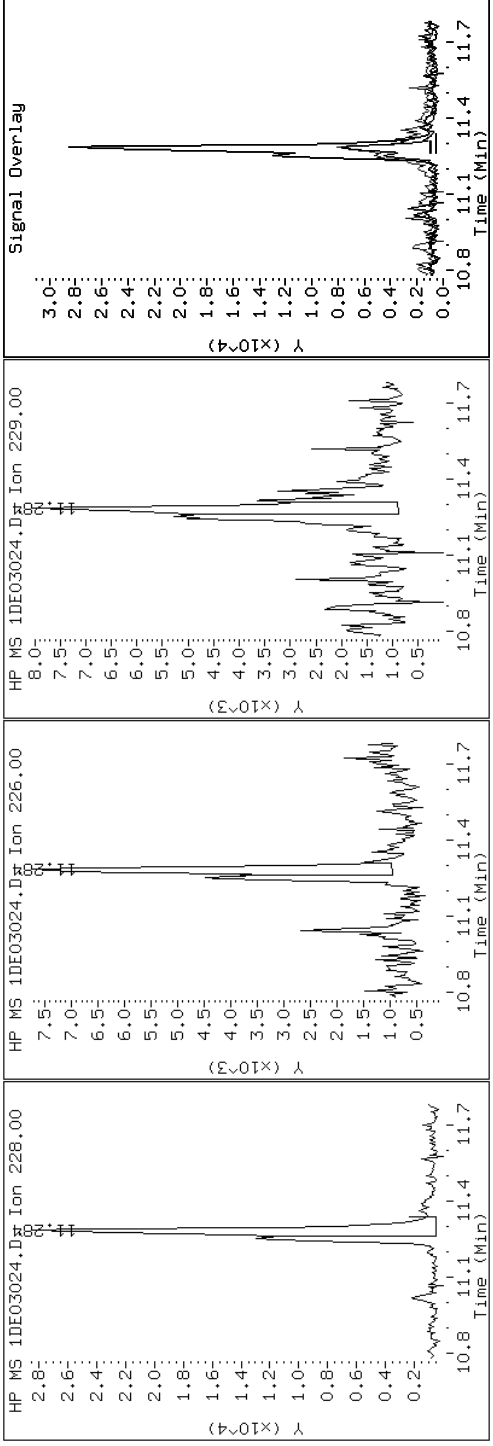
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

18 Chrysene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

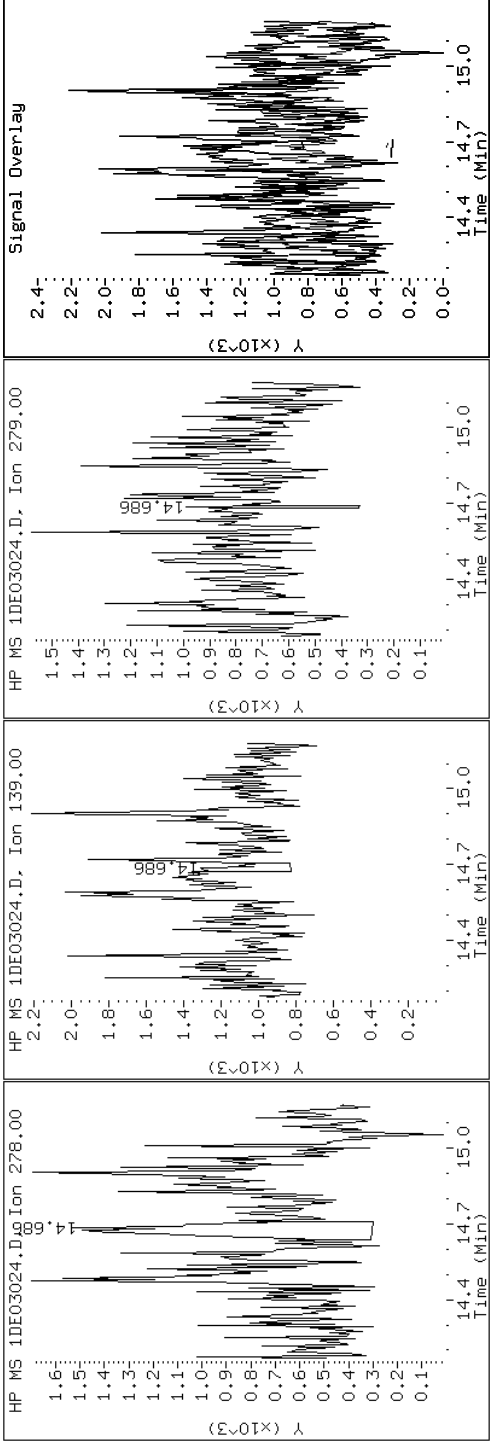
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

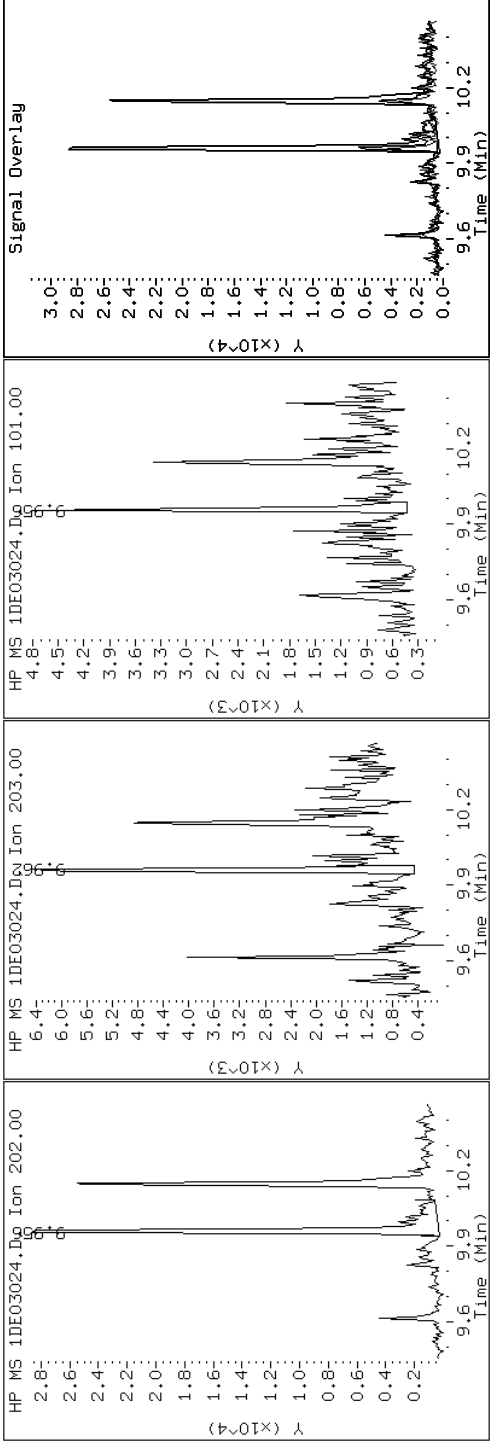
Client ID: CV1143A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-51-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

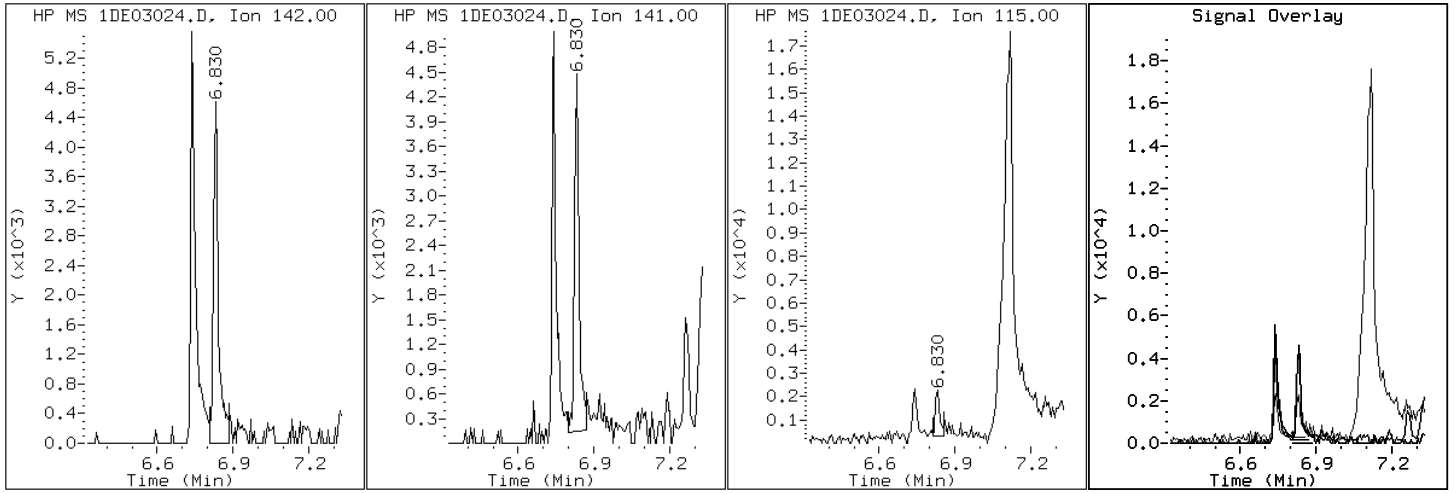
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

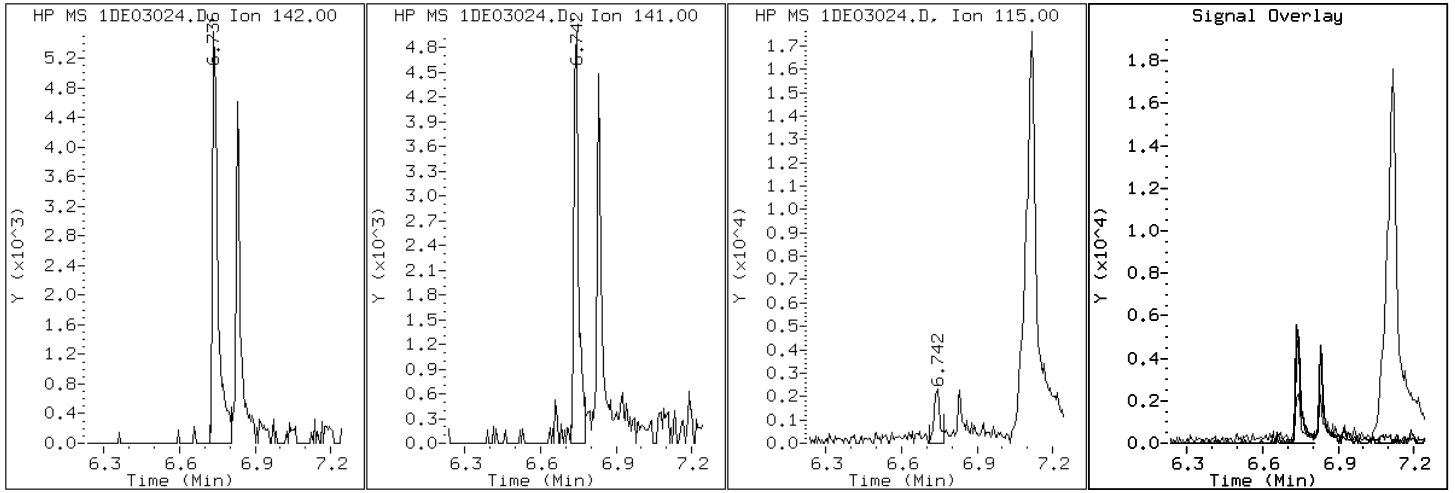
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

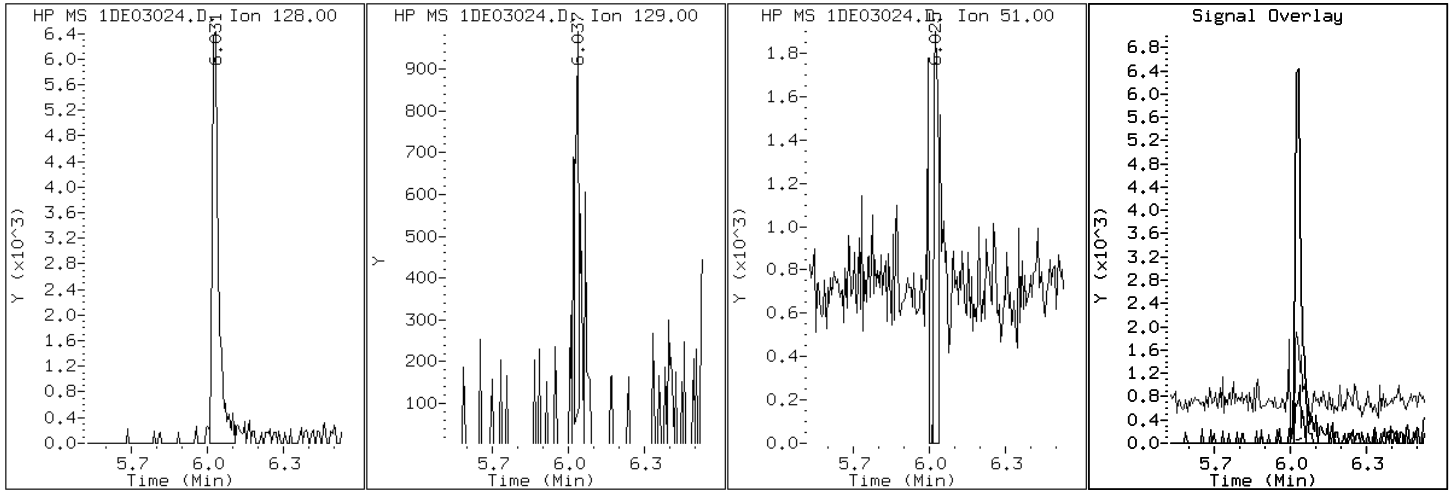
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

2 Naphthalene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

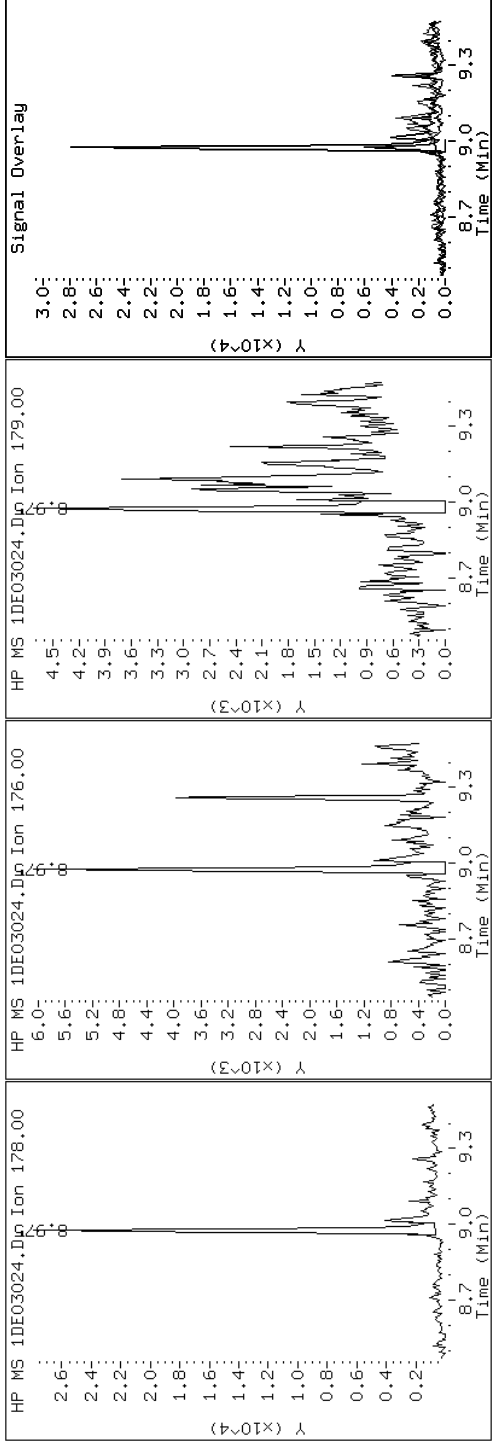
Client ID: CV1143A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-51-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03024.D

Date: 03-MAY-2013 18:37

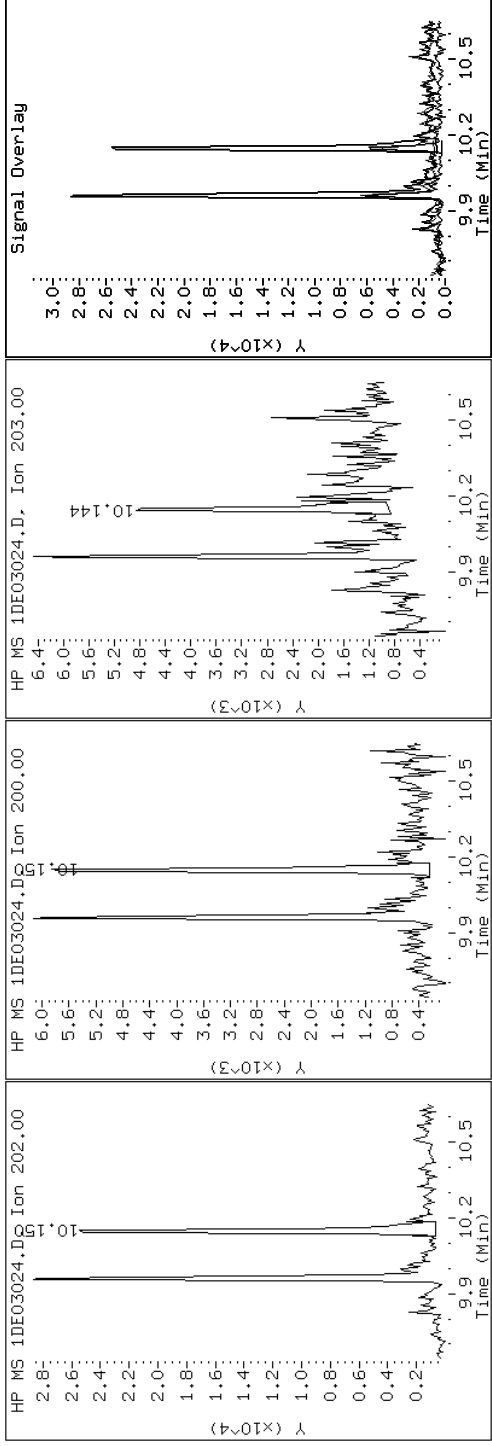
Client ID: CV1143A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-51-a

Operator: SCC

15 Pyrene

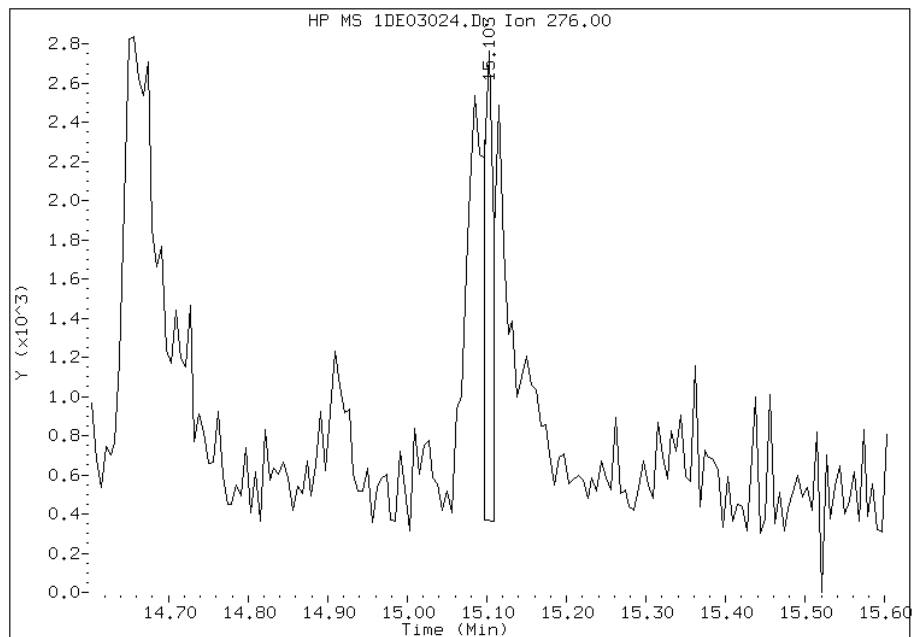


Manual Integration Report

Data File: 1DE03024.D
Inj. Date and Time: 03-MAY-2013 18:37
Instrument ID: BSMDS.i
Client ID: CV1143A-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

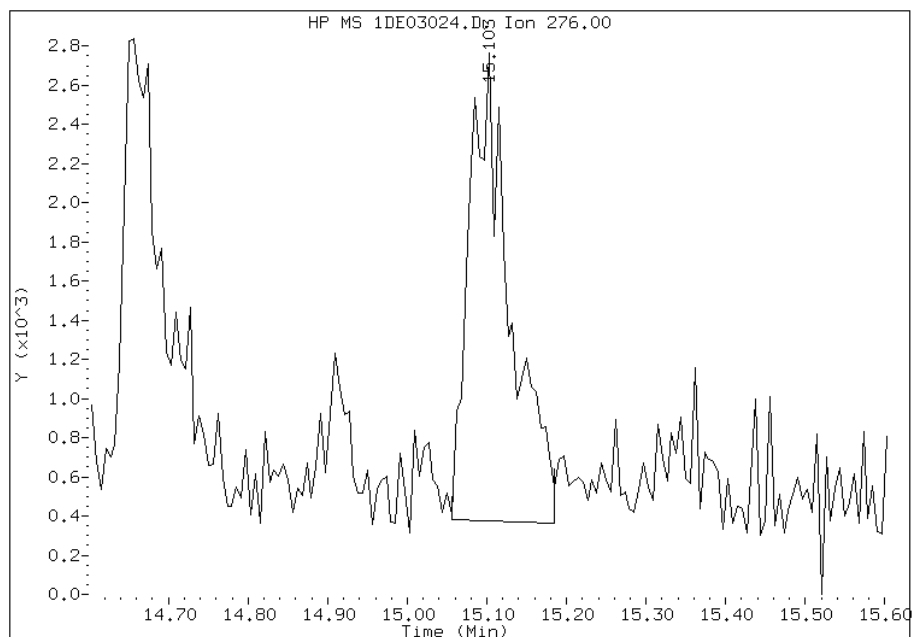
Processing Integration Results

RT: 15.10
Response: 2014
Amount: 0
Conc: 4



Manual Integration Results

RT: 15.10
Response: 8614
Amount: 0
Conc: 17



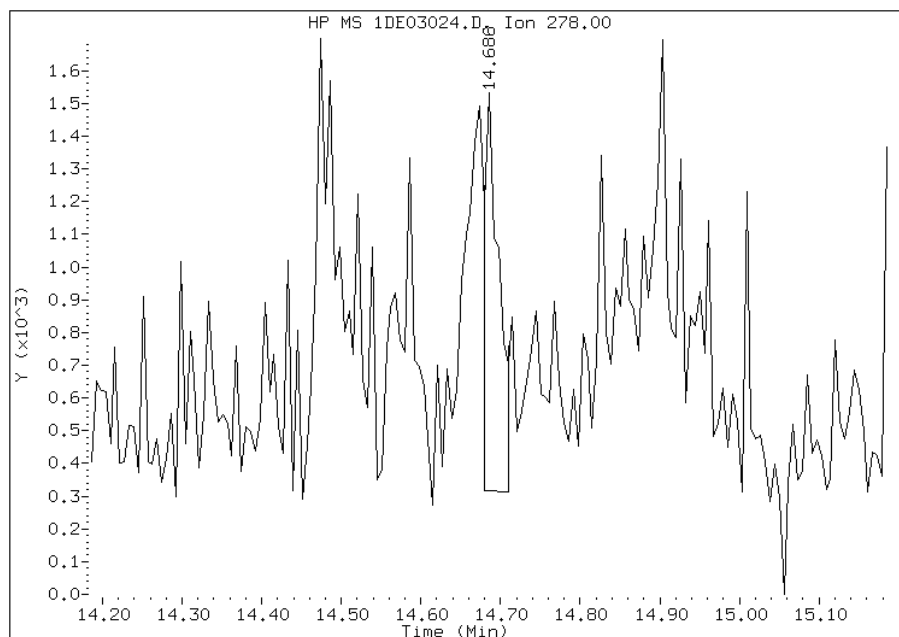
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03024.D
Inj. Date and Time: 03-MAY-2013 18:37
Instrument ID: BSMSD.i
Client ID: CV1143A-CS
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

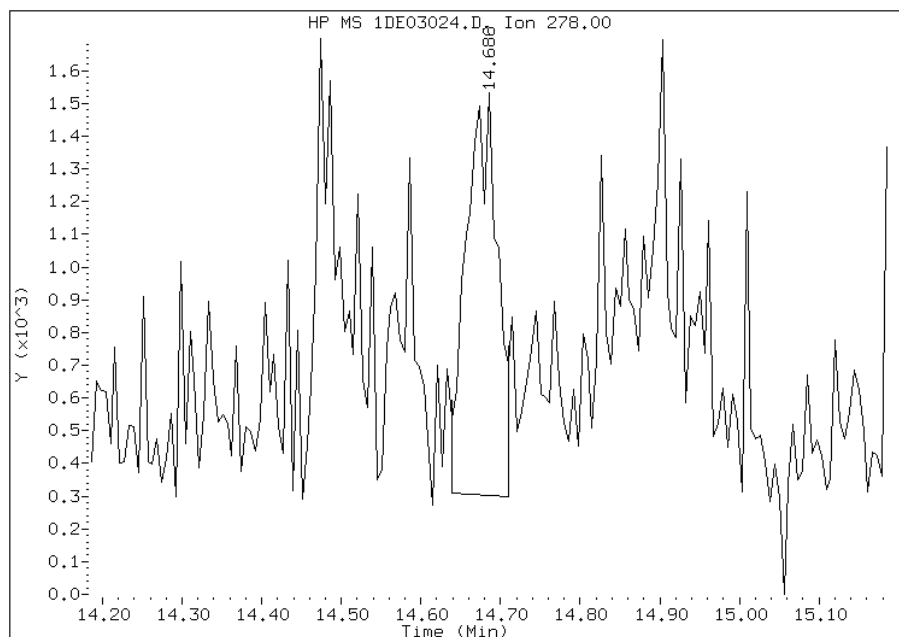
Processing Integration Results

RT: 14.69
Response: 1570
Amount: 0
Conc: 3



Manual Integration Results

RT: 14.69
Response: 3399
Amount: 0
Conc: 7



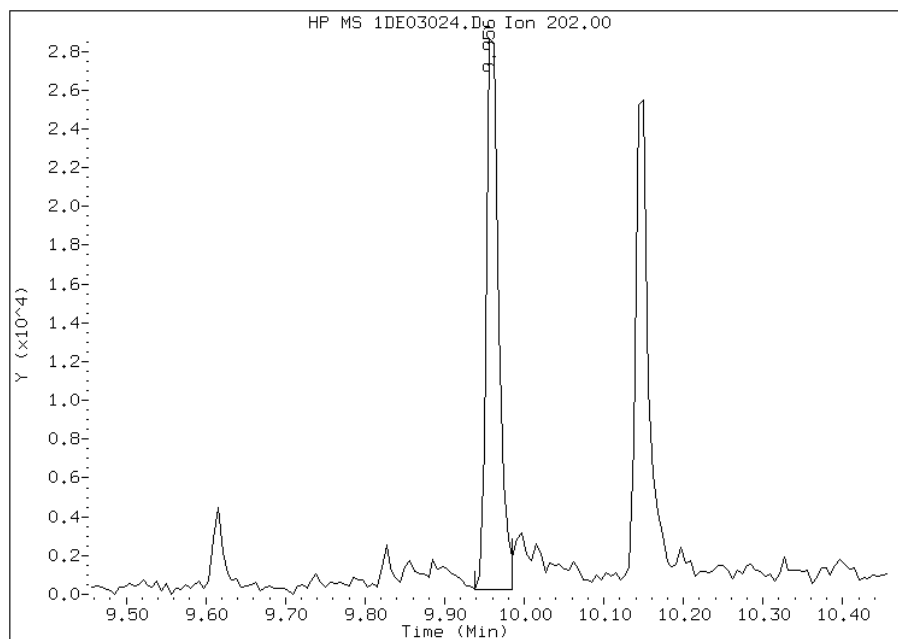
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03024.D
Inj. Date and Time: 03-MAY-2013 18:37
Instrument ID: BSMDS.i
Client ID: CV1143A-CS
Compound: 14 Fluoranthene
CAS #: 206-44-0
Report Date: 05/06/2013

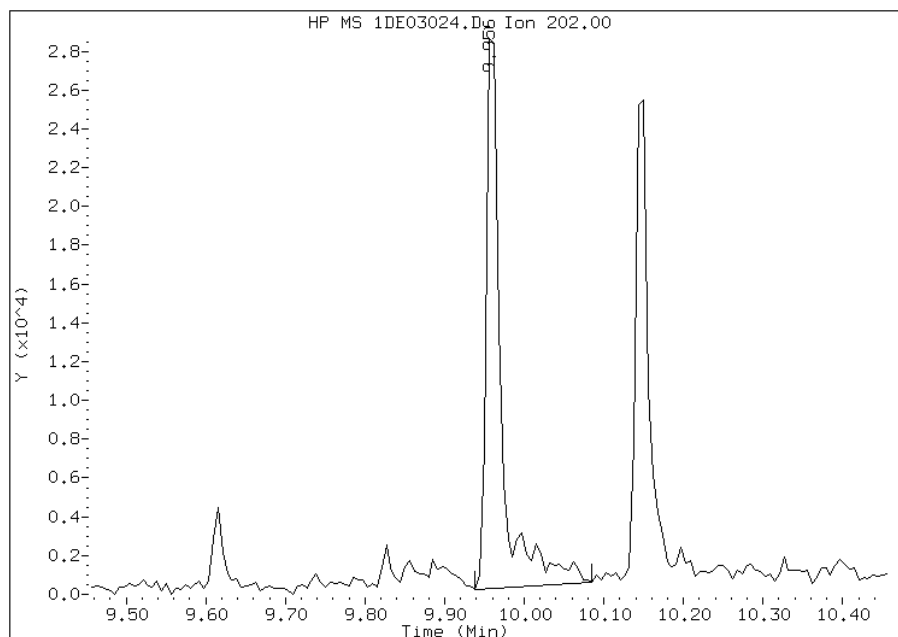
Processing Integration Results

RT: 9.96
Response: 30953
Amount: 1
Conc: 57



Manual Integration Results

RT: 9.96
Response: 37650
Amount: 1
Conc: 70



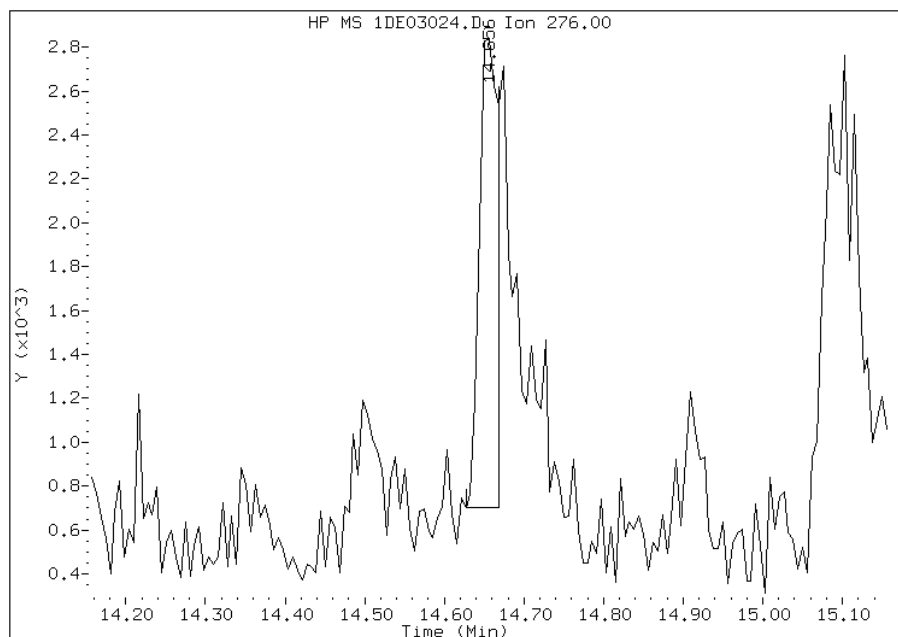
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03024.D
Inj. Date and Time: 03-MAY-2013 18:37
Instrument ID: BSMSD.i
Client ID: CV1143A-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

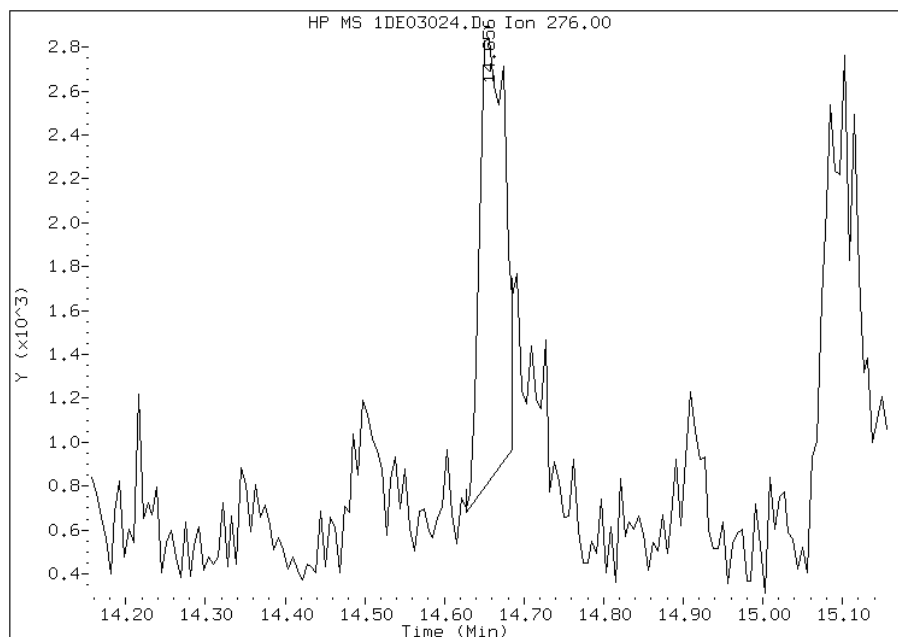
Processing Integration Results

RT: 14.66
Response: 3466
Amount: 0
Conc: 7



Manual Integration Results

RT: 14.66
Response: 4445
Amount: 0
Conc: 9



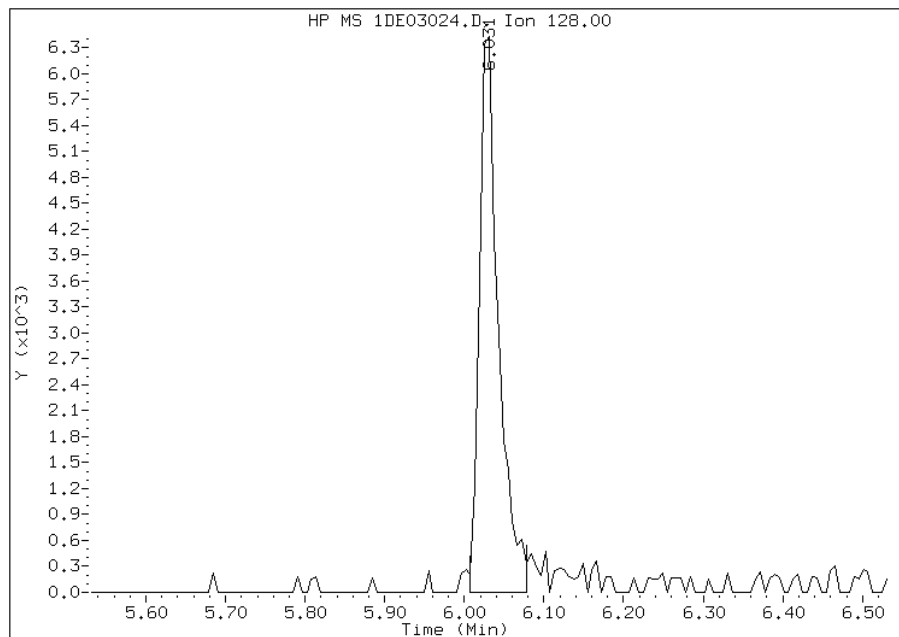
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:56
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03024.D
Inj. Date and Time: 03-MAY-2013 18:37
Instrument ID: BSMSD.i
Client ID: CV1143A-CS
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

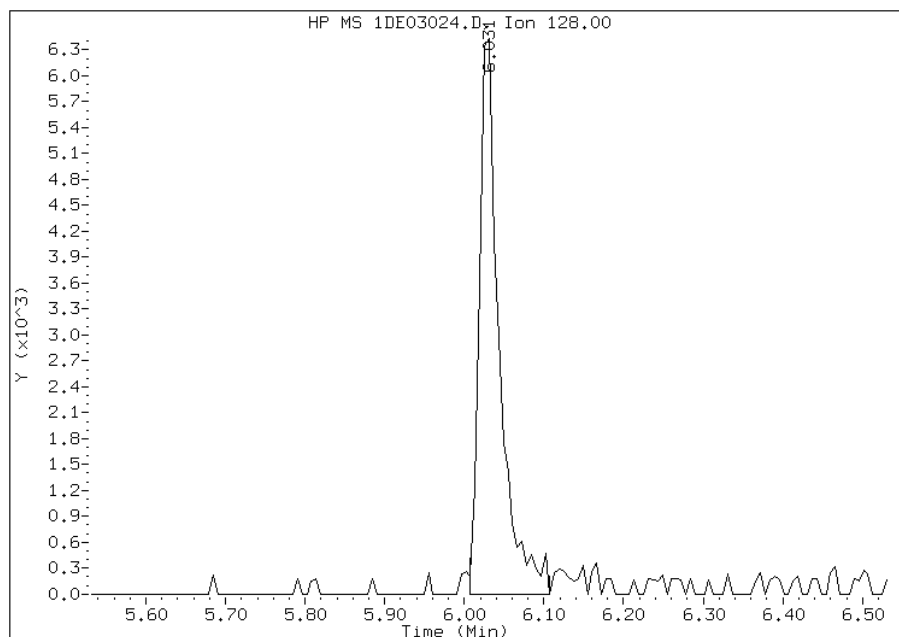
Processing Integration Results

RT: 6.03
Response: 10709
Amount: 0
Conc: 25



Manual Integration Results

RT: 6.03
Response: 11224
Amount: 0
Conc: 27



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:53
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1143B-CS Lab Sample ID: 680-89791-52
 Matrix: Solid Lab File ID: 1DE03025.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 09:05
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15(g) Date Analyzed: 05/03/2013 19:00
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 24.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	26
208-96-8	Acenaphthylene	7.3	J	53	6.6
120-12-7	Anthracene	30		11	5.5
56-55-3	Benzo[a]anthracene	95		11	5.1
50-32-8	Benzo[a]pyrene	66		14	6.9
205-99-2	Benzo[b]fluoranthene	110		16	8.1
191-24-2	Benzo[g,h,i]perylene	34		26	5.8
207-08-9	Benzo[k]fluoranthene	42		11	4.8
218-01-9	Chrysene	130		12	5.9
53-70-3	Dibenz(a,h)anthracene	14	J	26	5.4
206-44-0	Fluoranthene	130		26	5.3
86-73-7	Fluorene	26	U	26	5.4
193-39-5	Indeno[1,2,3-cd]pyrene	24	J	26	9.4
90-12-0	1-Methylnaphthalene	48	J	53	5.8
91-57-6	2-Methylnaphthalene	59		53	9.4
91-20-3	Naphthalene	54		53	5.8
85-01-8	Phenanthrene	83		11	5.1
129-00-0	Pyrene	100		26	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	41		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03025.D
 Lab Smp Id: 680-89791-A-52-A Client Smp ID: CV1143B-CS
 Inj Date : 03-MAY-2013 19:00
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-52-a
 Misc Info : 680-89791-A-52-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 26
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	24.230	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.007	6.004	(1.000)	1399825	40.0000		
* 6 Acenaphthene-d10	164		7.693	7.690	(1.000)	907328	40.0000		
* 9 Phenanthrene-d10	188		8.956	8.953	(1.000)	1499723	40.0000		
\$ 13 o-Terphenyl	230		9.256	9.259	(1.033)	92176	4.07915	360	
* 17 Chrysene-d12	240		11.265	11.257	(1.000)	1664204	40.0000		
* 22 Perylene-d12	264		13.081	13.066	(1.000)	1584199	40.0000		
2 Naphthalene	128		6.025	6.027	(1.003)	21246	0.61063	54	
3 2-Methylnaphthalene	142		6.741	6.738	(1.122)	15161	0.67502	59(M)	
4 1-Methylnaphthalene	142		6.829	6.826	(1.137)	11529	0.54356	48(M)	
5 Acenaphthylene	152		7.564	7.561	(0.983)	3198	0.08328	7.3	
8 Fluorene	166		8.163	8.160	(1.061)	1328	0.04731	4.2(Q)	
10 Phenanthrene	178		8.974	8.971	(1.002)	39124	0.94710	83	
11 Anthracene	178		9.015	9.012	(1.007)	13965	0.34060	30(M)	
12 Carbazole	167		9.162	9.159	(1.023)	5489	0.15178	13	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
14 Fluoranthene	202	9.961	9.958	(1.112)	64251	1.51146	130
15 Pyrene	202	10.143	10.146	(0.900)	58575	1.17206	100
16 Benzo(a)anthracene	228	11.248	11.239	(0.998)	52031	1.08138	95
18 Chrysene	228	11.283	11.280	(1.002)	67991	1.50705	130
19 Benzo(b)fluoranthene	252	12.540	12.526	(0.959)	51297	1.29624	110
20 Benzo(k)fluoranthene	252	12.570	12.567	(0.961)	19984	0.47934	42
21 Benzo(a)pyrene	252	12.987	12.978	(0.993)	29790	0.74920	66
23 Indeno(1,2,3-cd)pyrene	276	14.667	14.647	(1.121)	11376	0.26831	24(M)
24 Dibenzo(a,h)anthracene	278	14.685	14.670	(1.123)	6241	0.15631	14(M)
25 Benzo(g,h,i)perylene	276	15.096	15.081	(1.154)	15902	0.38953	34(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1DE03025.D

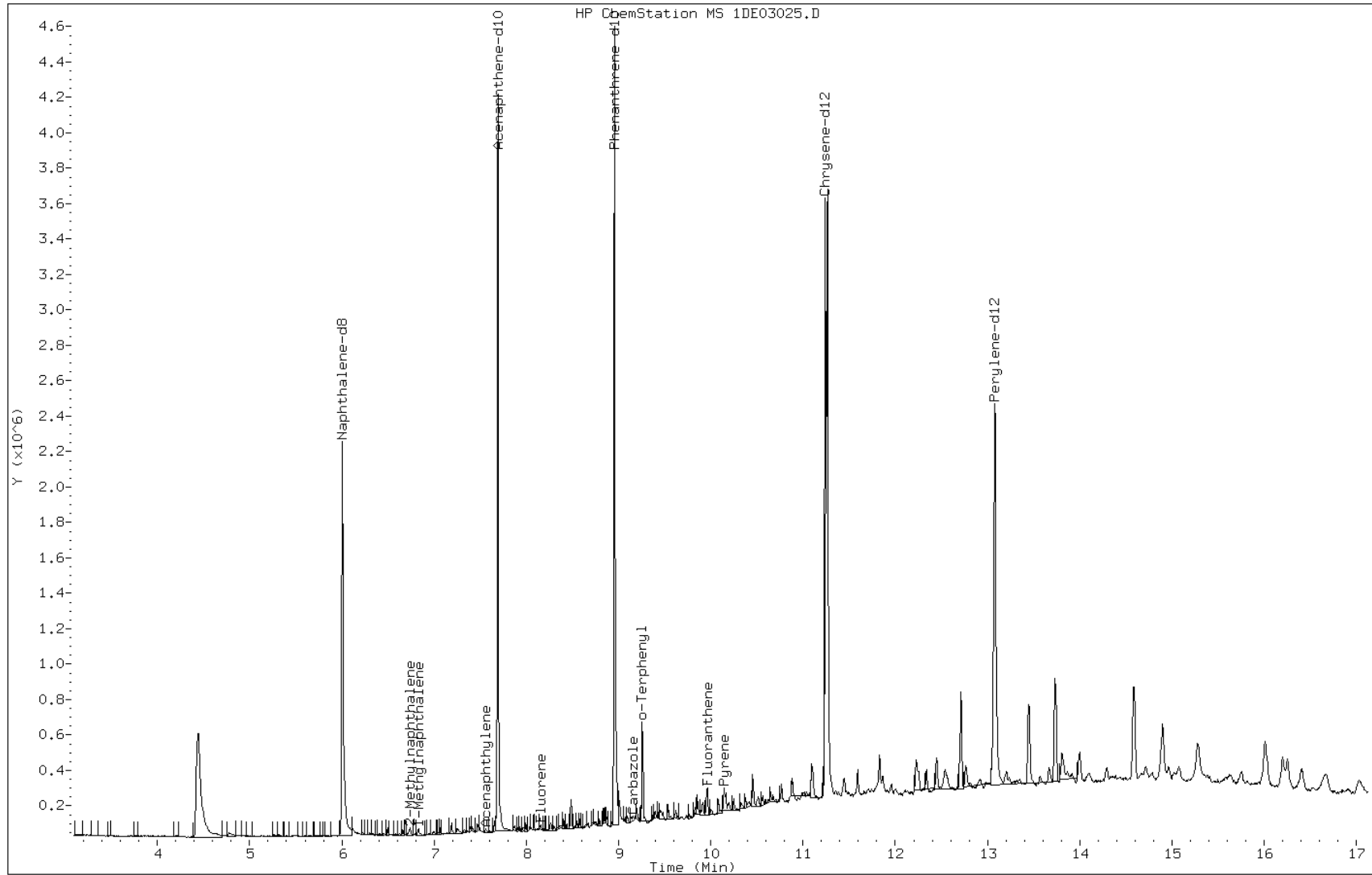
Date: 03-MAY-2013 19:00

Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

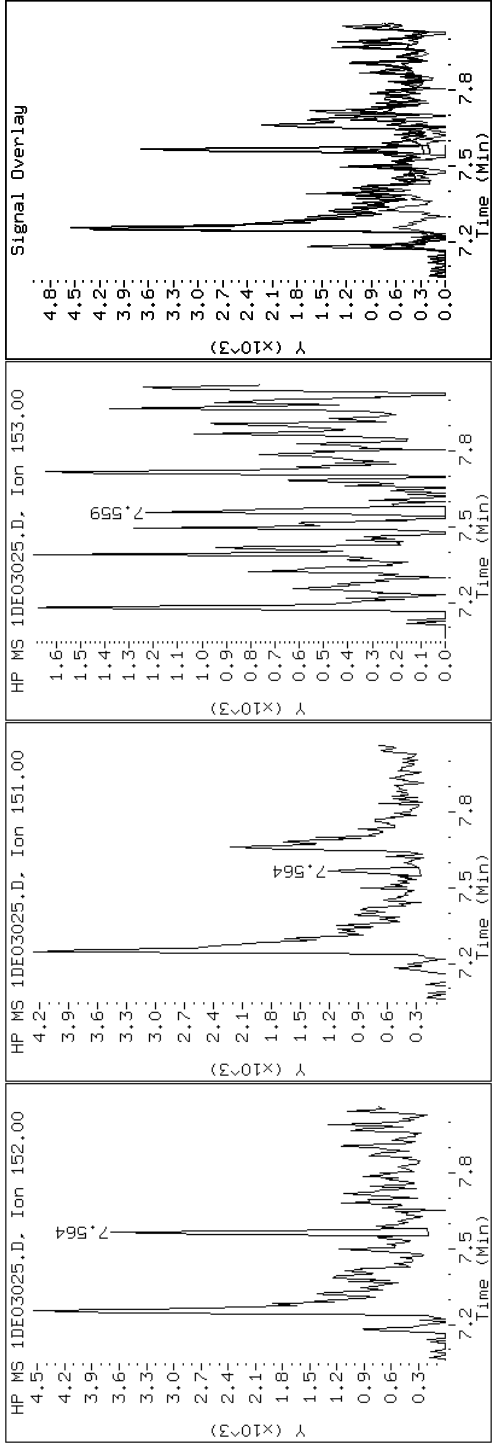
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

5 Acenaphthylene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

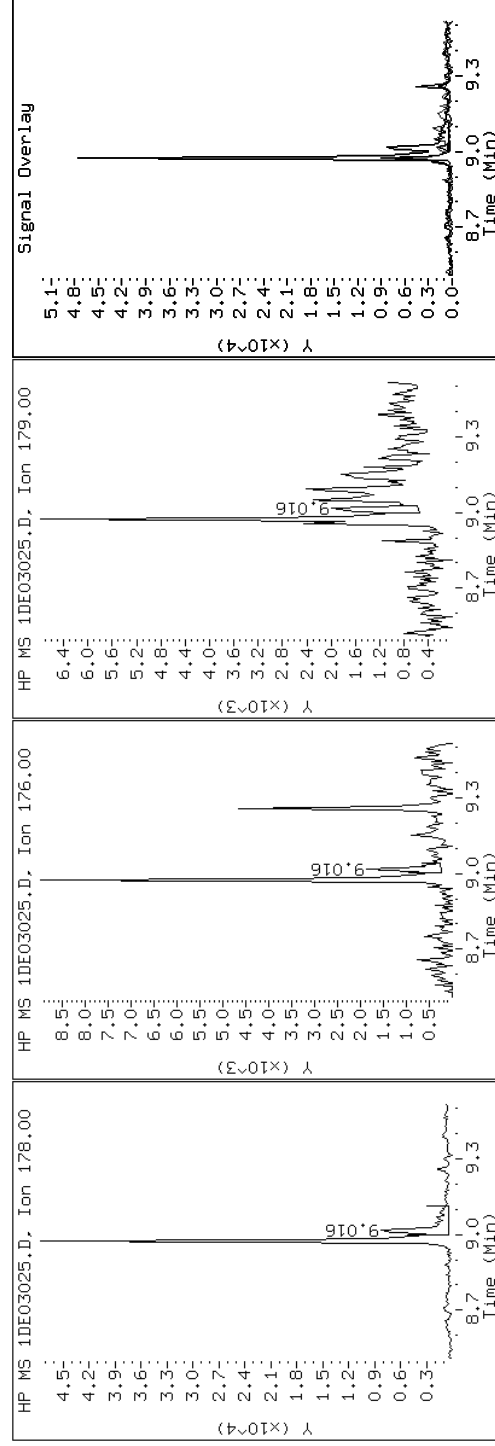
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

11 Anthracene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

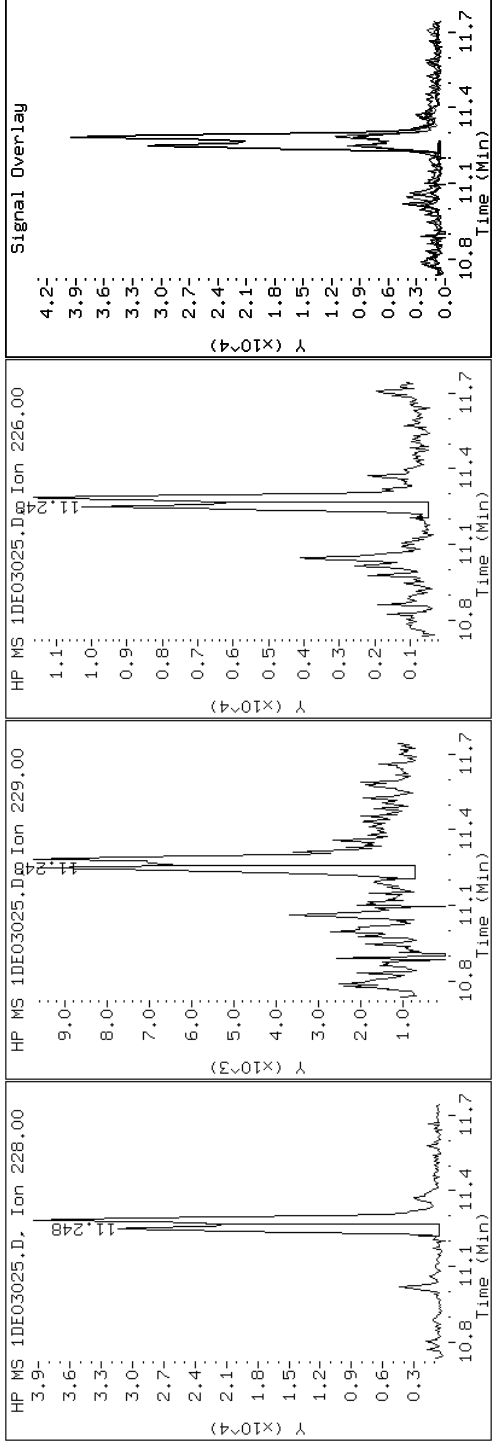
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

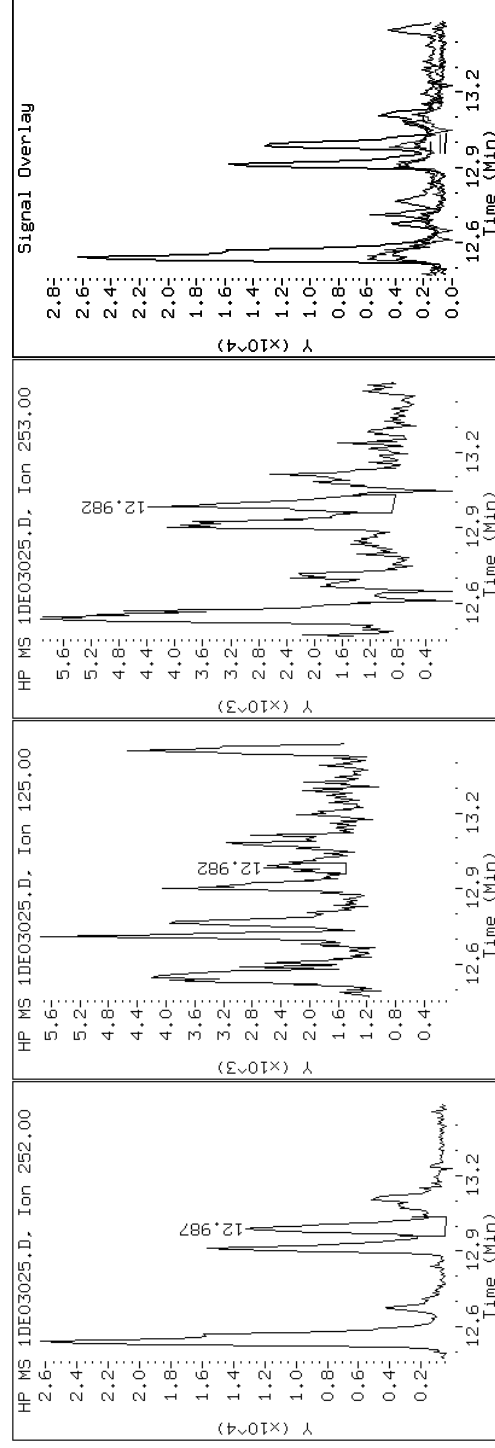
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

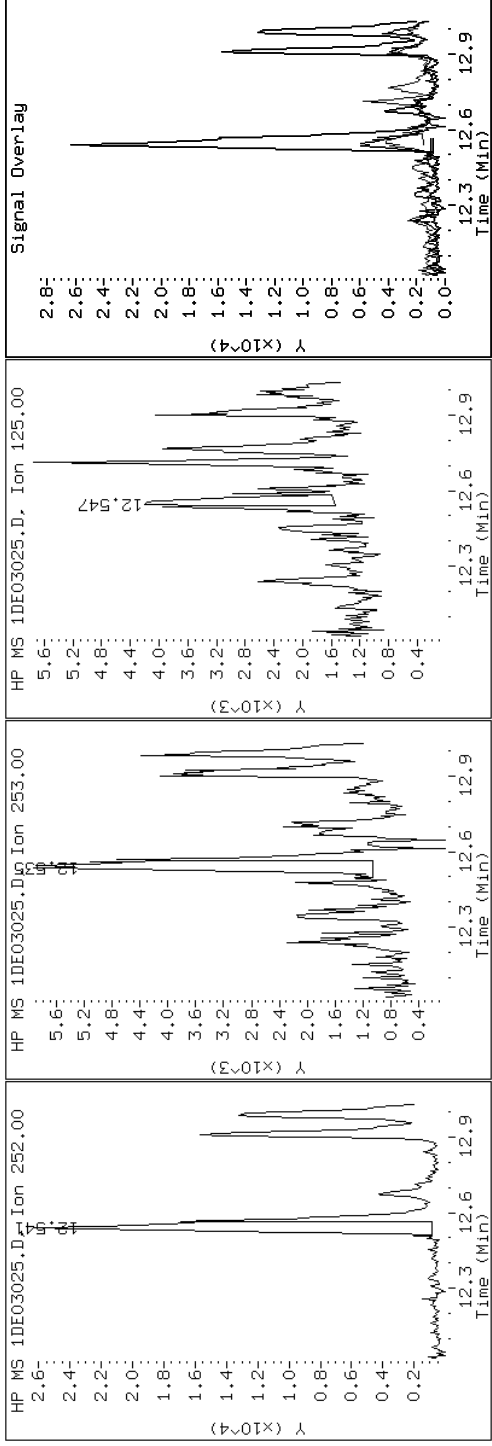
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

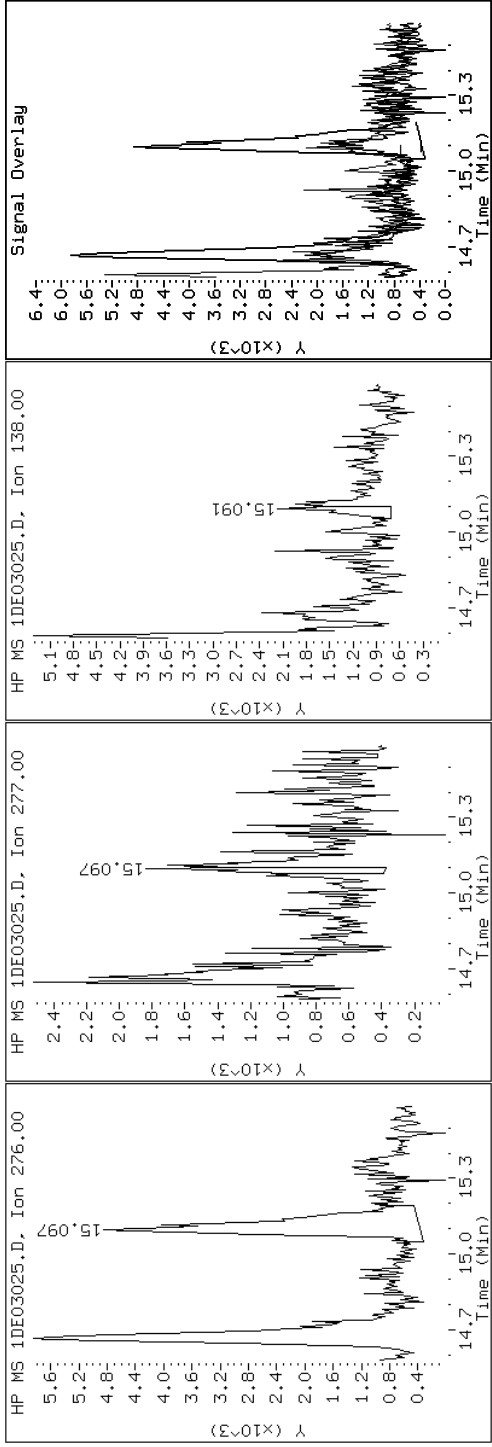
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

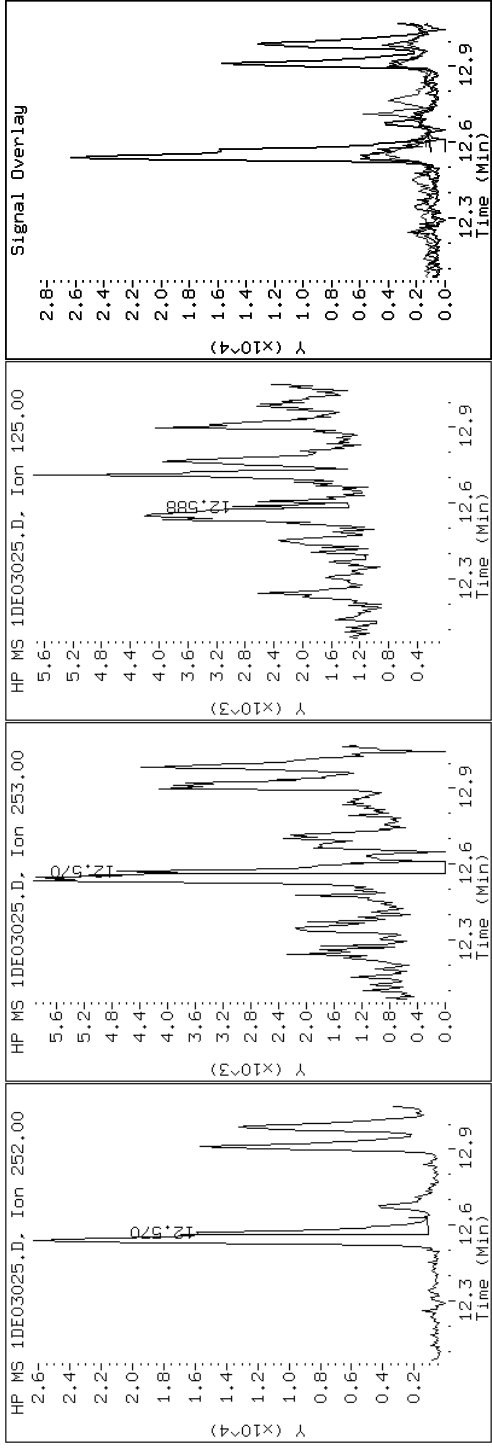
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

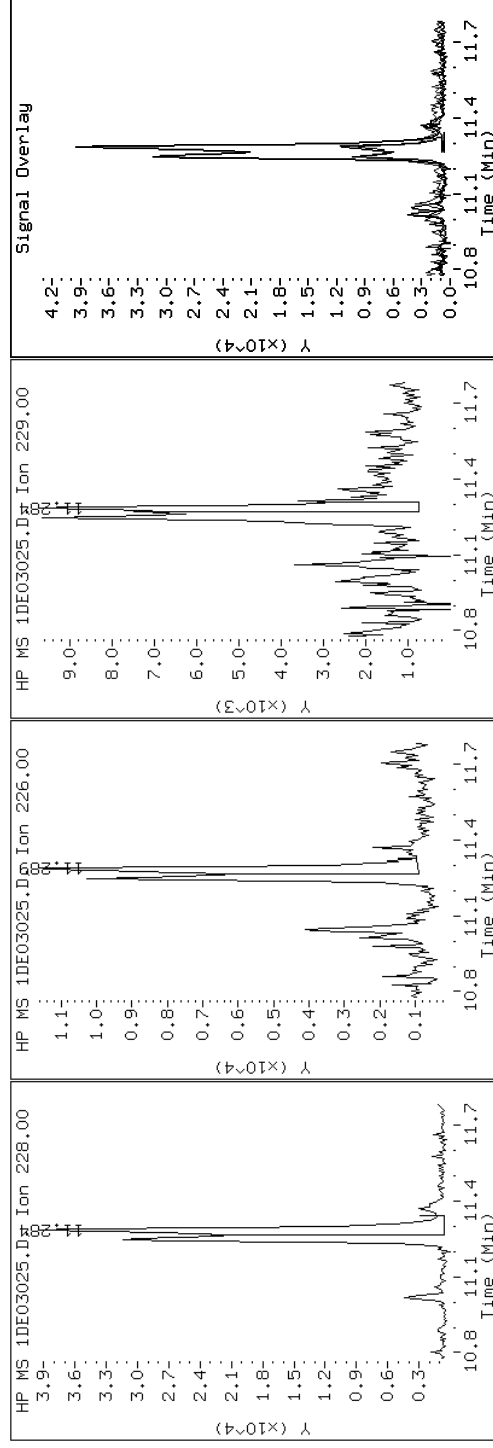
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

18 Chrysene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

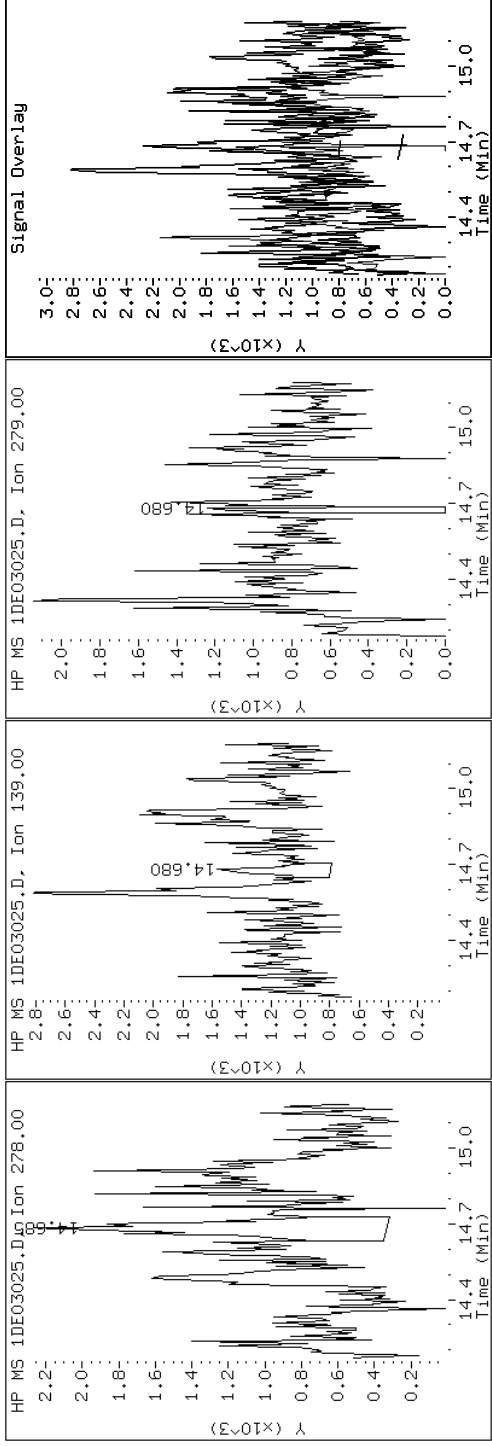
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

24 Dibenzo(a,h)anthracene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

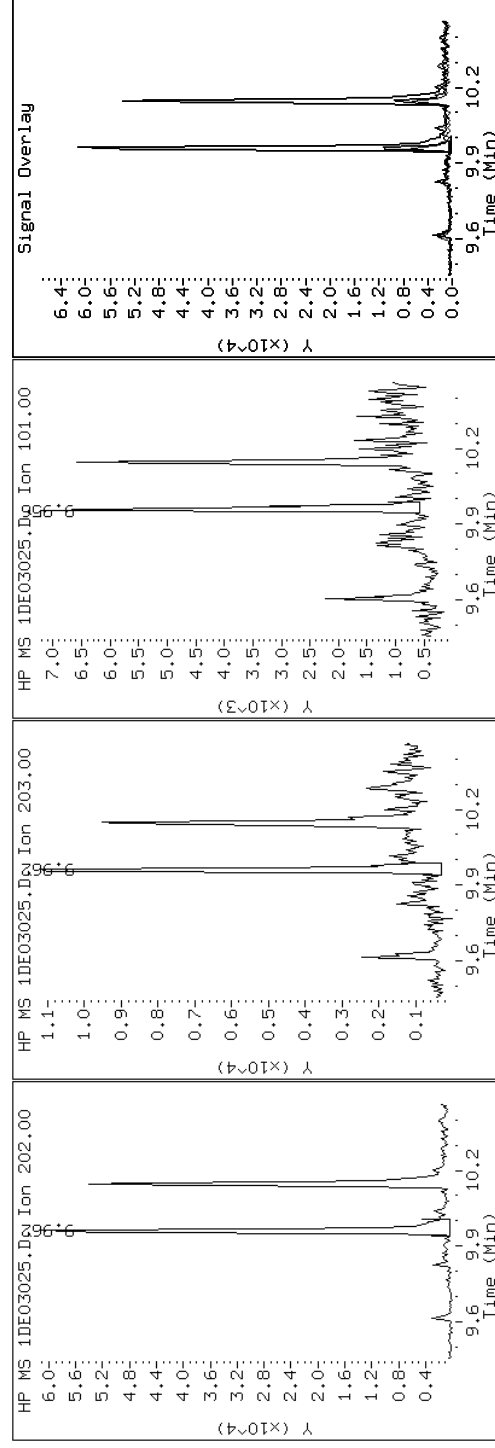
Client ID: CV1143B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

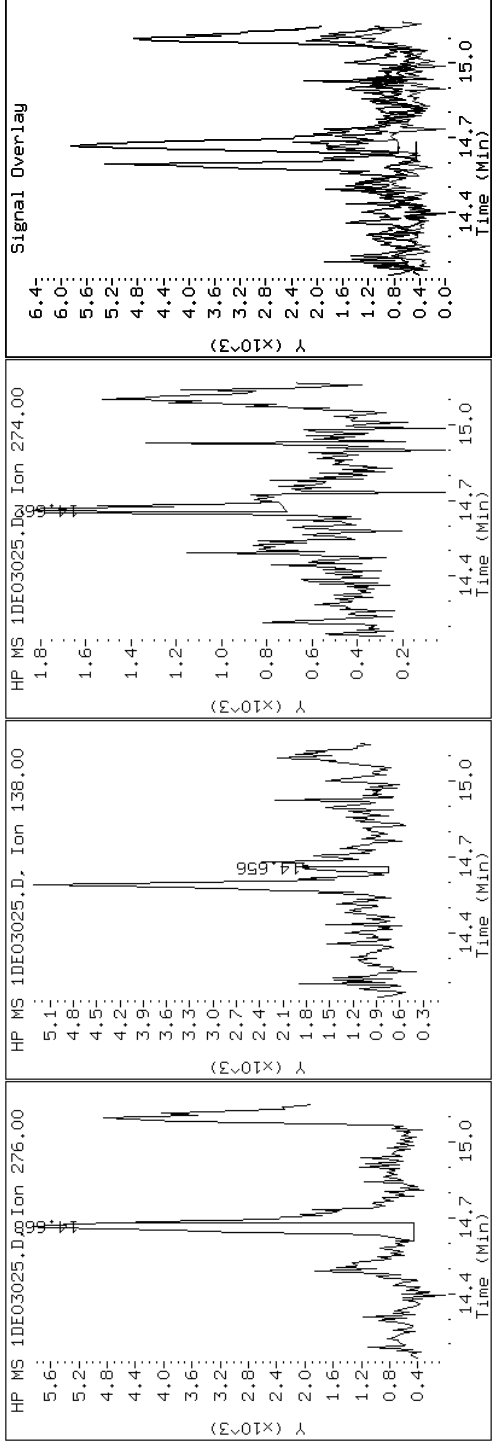
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

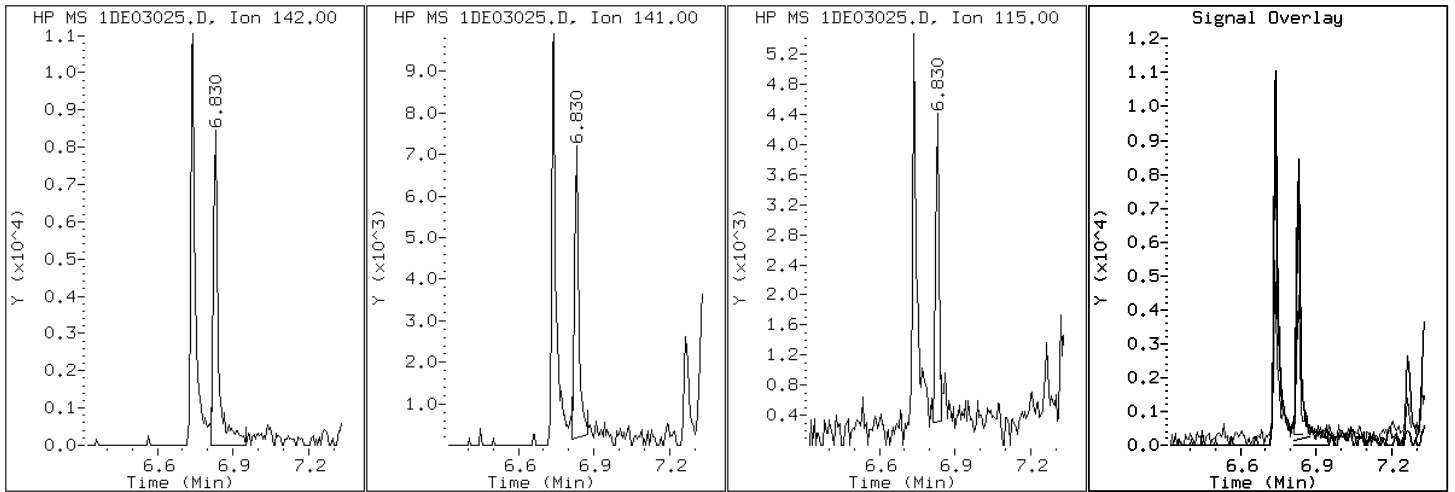
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

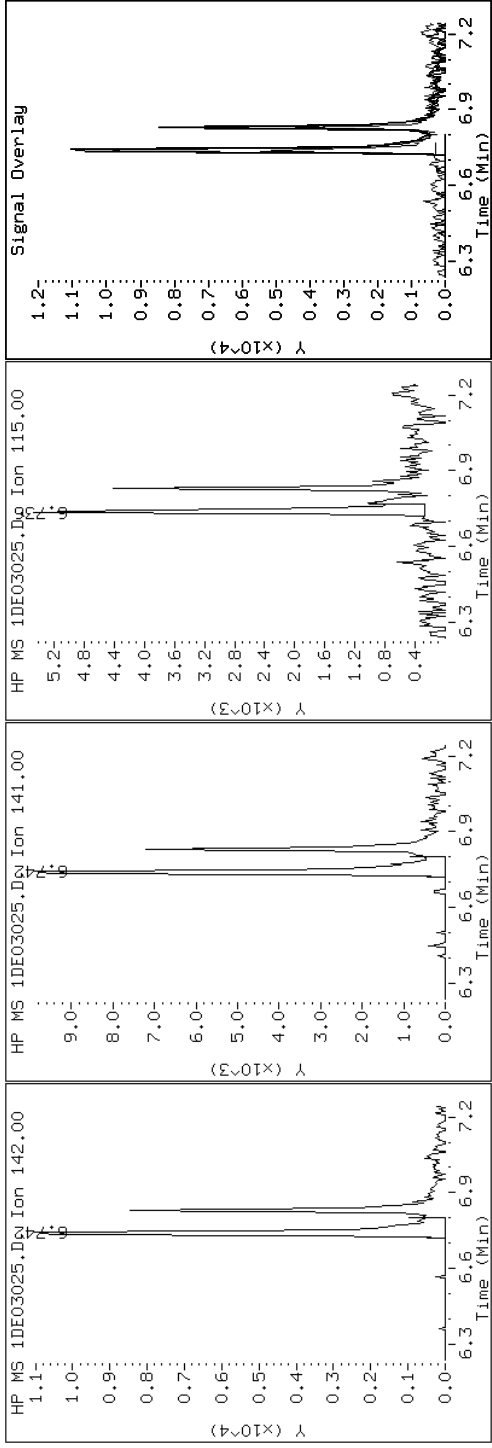
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

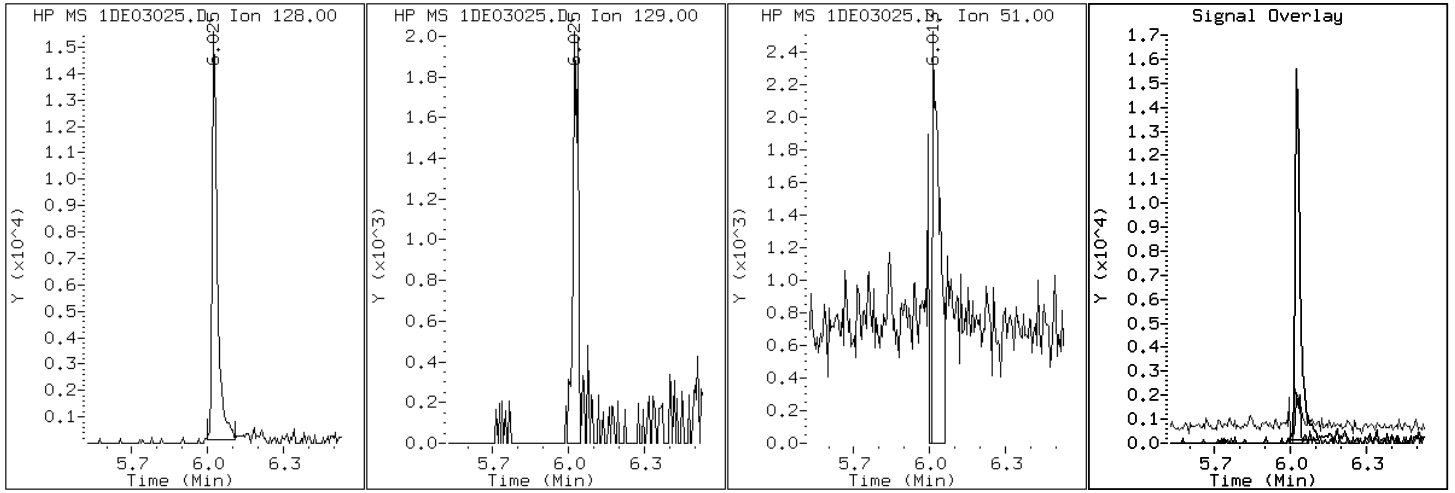
Client ID: CV1143B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

2 Naphthalene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

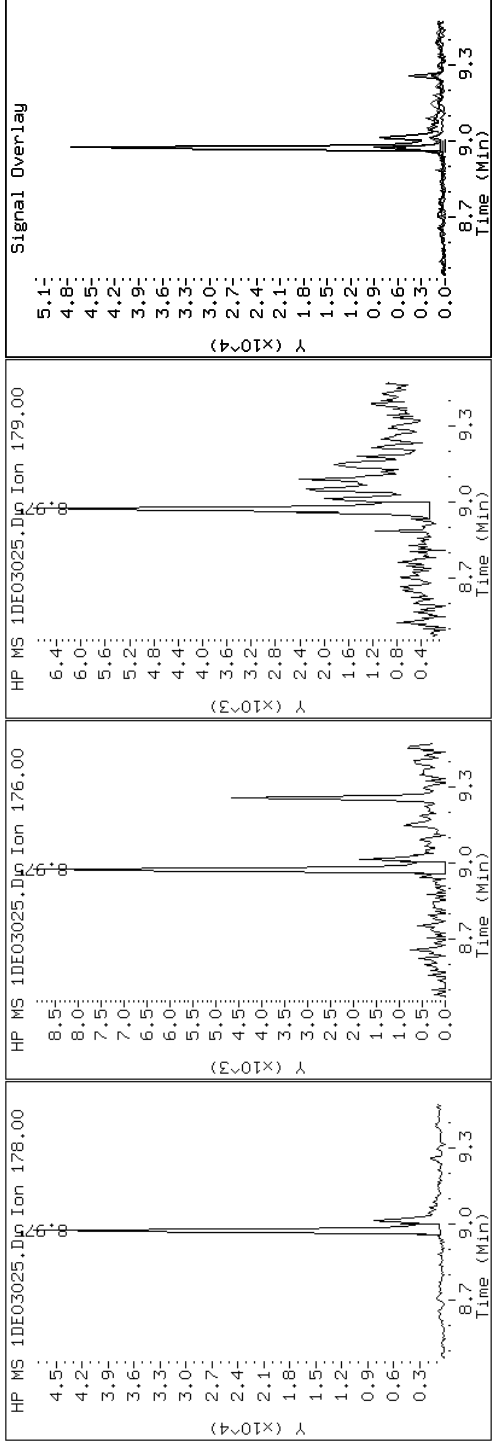
Client ID: CV1143B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-52-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03025.D

Date: 03-MAY-2013 19:00

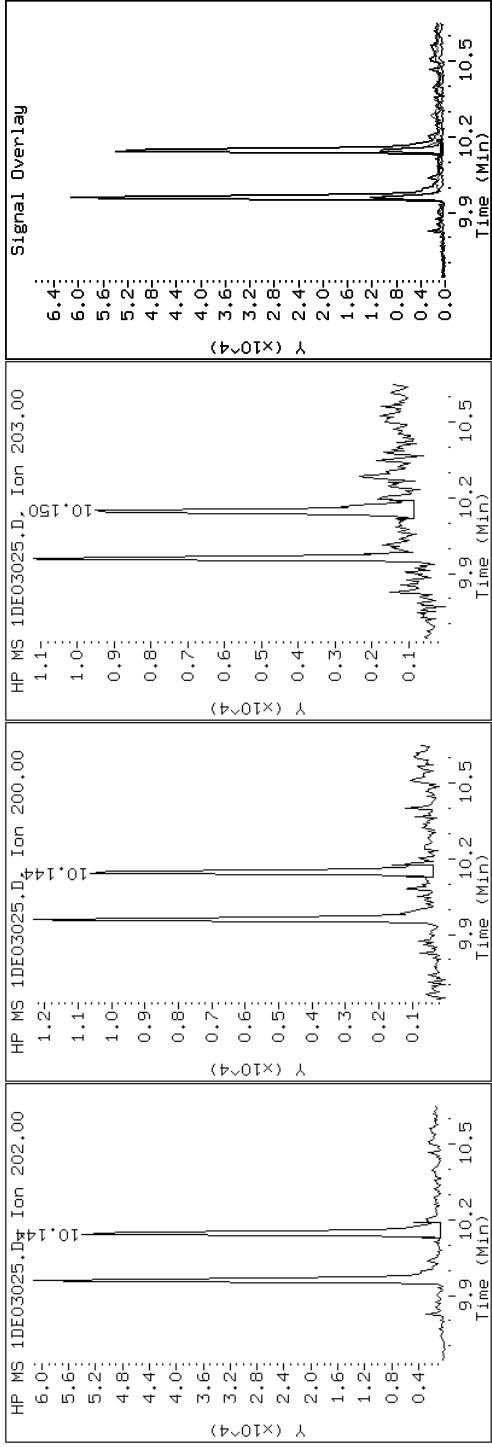
Client ID: CV1143B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-52-a

Operator: SCC

15 Pyrene

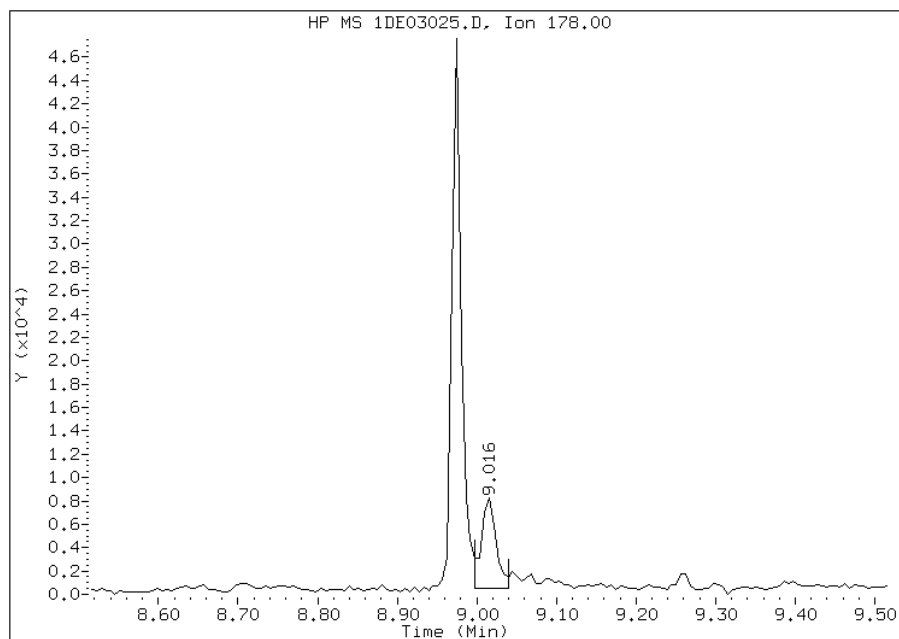


Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMSD.i
Client ID: CV1143B-CS
Compound: 11 Anthracene
CAS #: 120-12-7
Report Date: 05/06/2013

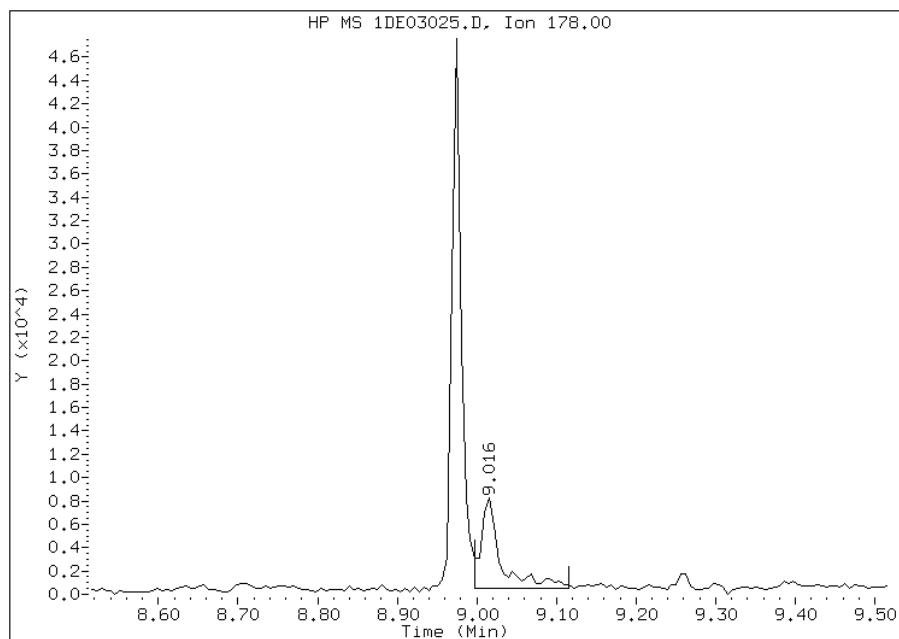
Processing Integration Results

RT: 9.02
Response: 10404
Amount: 0
Conc: 22



Manual Integration Results

RT: 9.02
Response: 13965
Amount: 0
Conc: 30



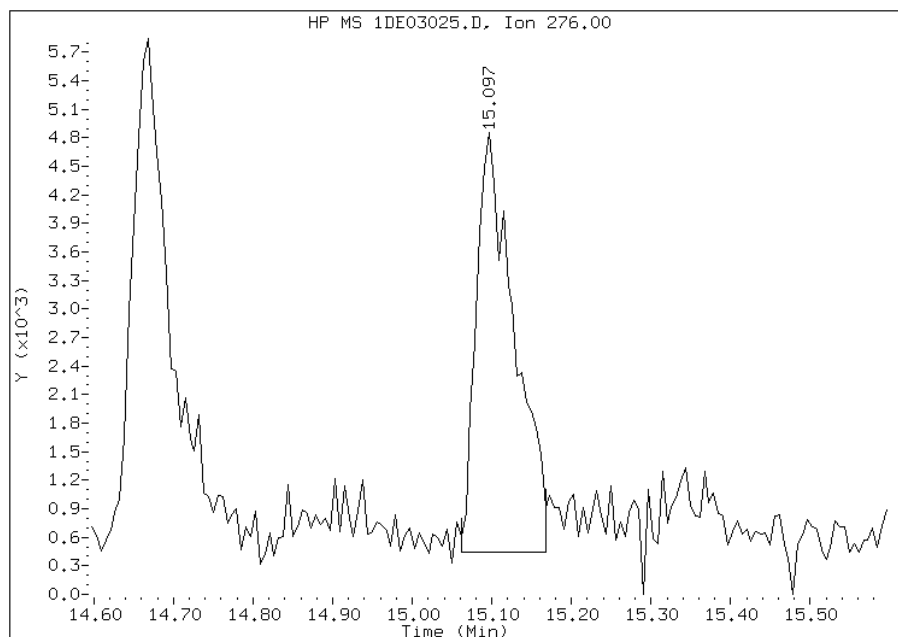
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:58
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMDS.i
Client ID: CV1143B-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

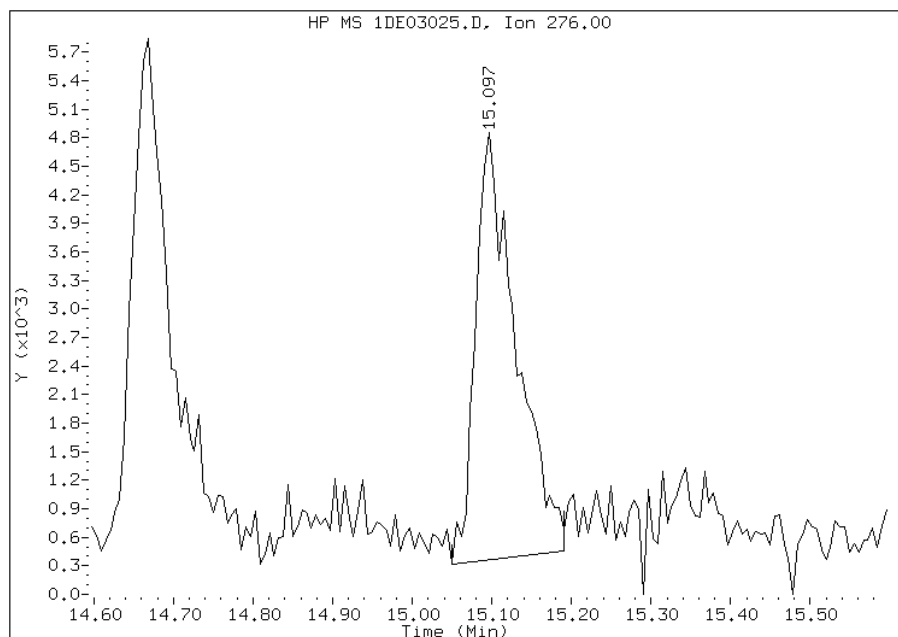
Processing Integration Results

RT: 15.10
Response: 14638
Amount: 0
Conc: 32



Manual Integration Results

RT: 15.10
Response: 15902
Amount: 0
Conc: 34



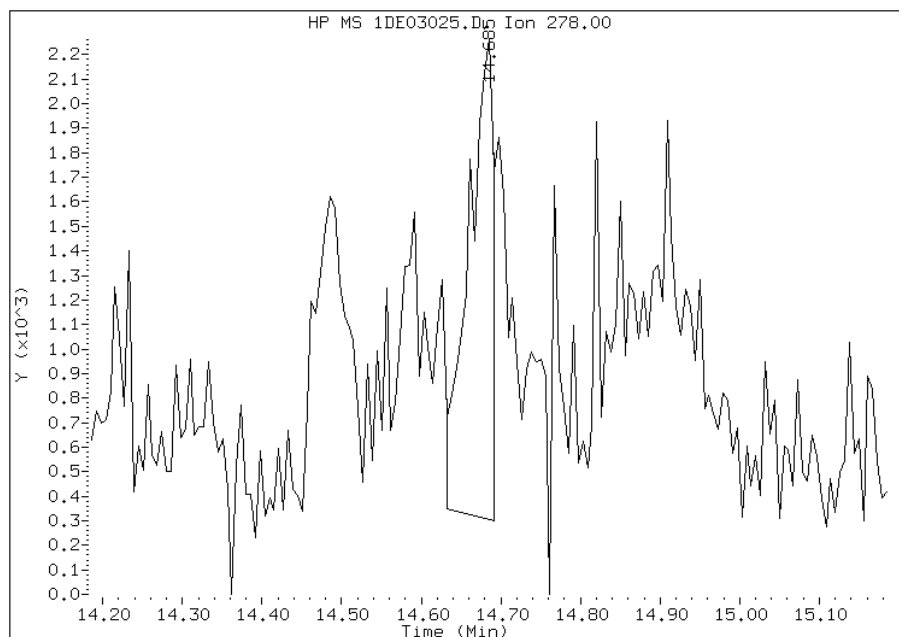
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:59
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMSD.i
Client ID: CV1143B-CS
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

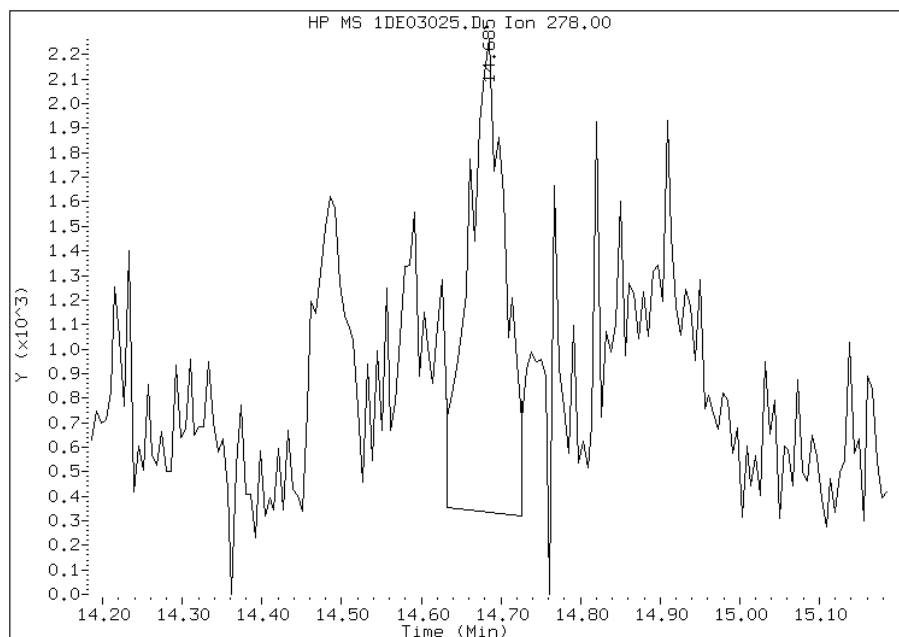
Processing Integration Results

RT: 14.69
Response: 4382
Amount: 0
Conc: 10



Manual Integration Results

RT: 14.69
Response: 6241
Amount: 0
Conc: 14



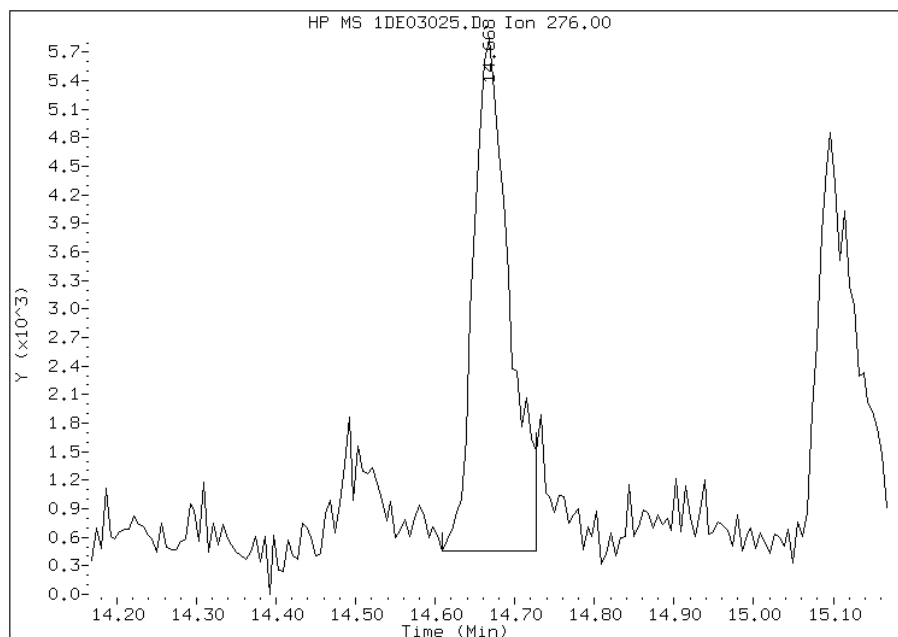
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:58
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMSD.i
Client ID: CV1143B-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

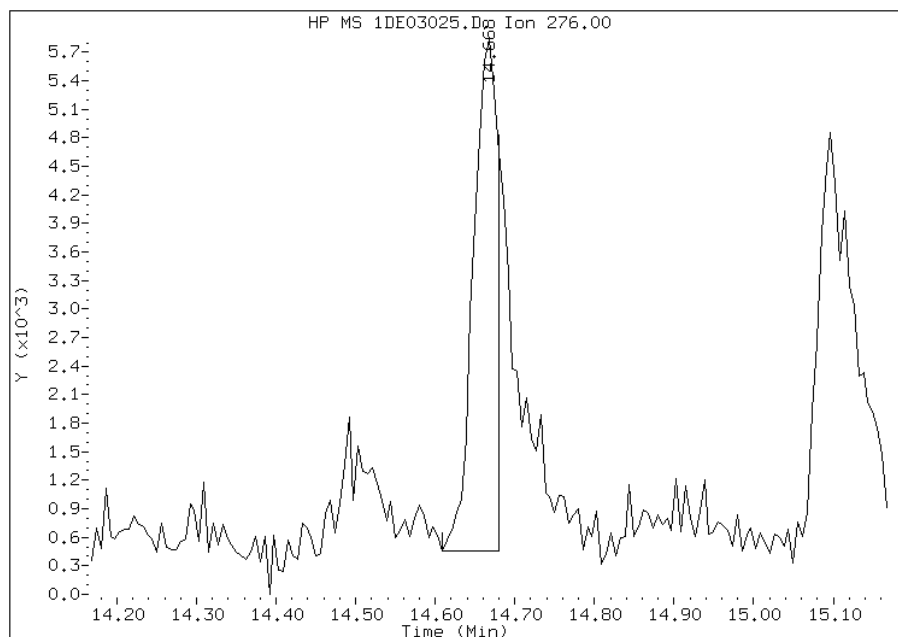
Processing Integration Results

RT: 14.67
Response: 16848
Amount: 0
Conc: 35



Manual Integration Results

RT: 14.67
Response: 11376
Amount: 0
Conc: 24



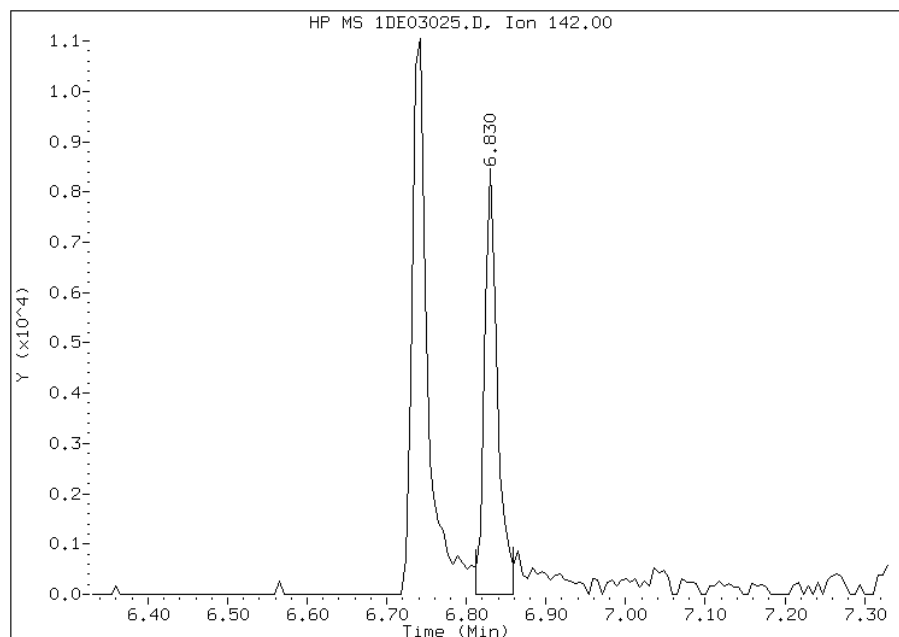
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:59
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMSD.i
Client ID: CV1143B-CS
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

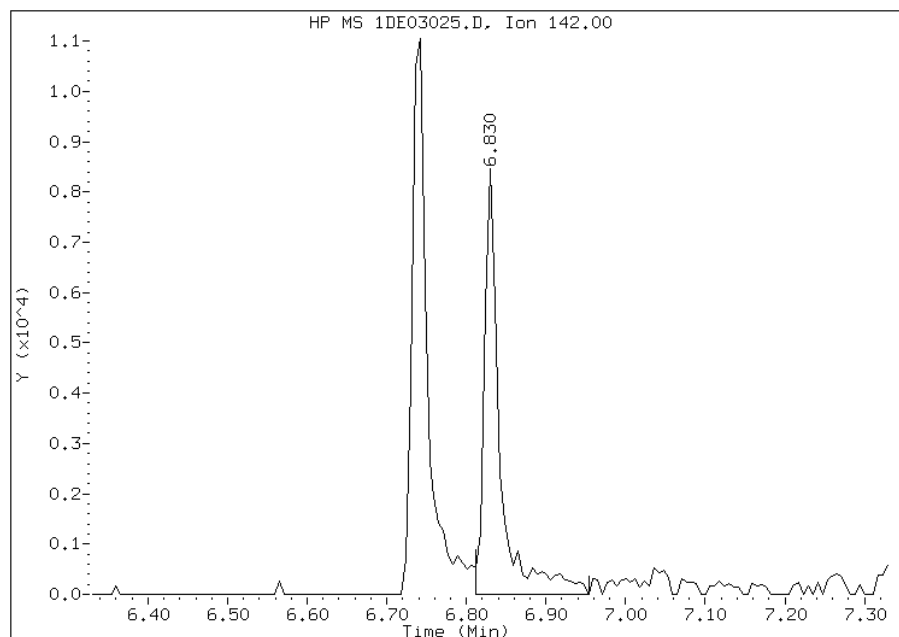
Processing Integration Results

RT: 6.83
Response: 9534
Amount: 0
Conc: 40



Manual Integration Results

RT: 6.83
Response: 11529
Amount: 1
Conc: 48



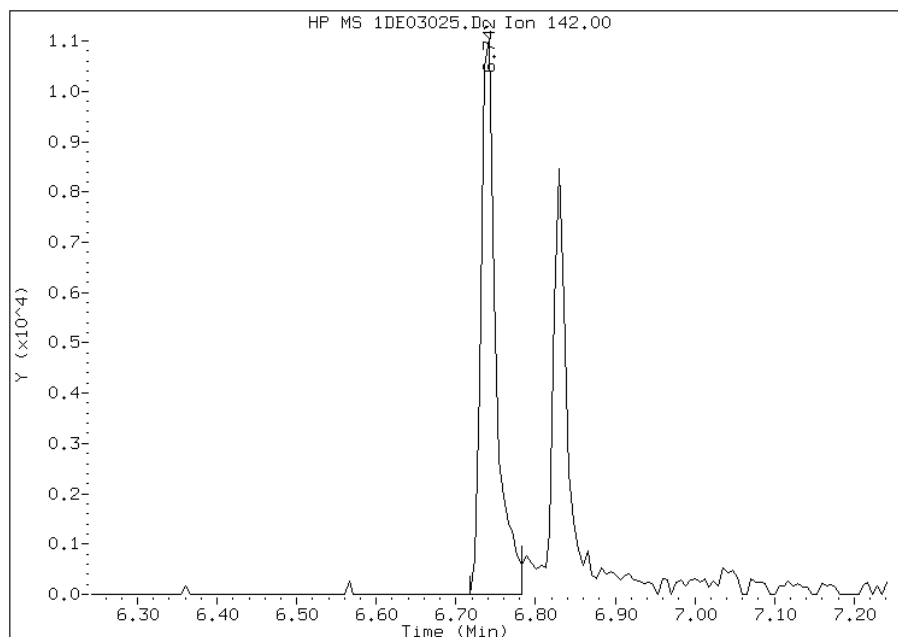
Manually Integrated By: cantins
Modification Date: 06-May-2013 16:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03025.D
Inj. Date and Time: 03-MAY-2013 19:00
Instrument ID: BSMSD.i
Client ID: CV1143B-CS
Compound: 3 2-Methylnaphthalene
CAS #: 91-57-6
Report Date: 05/06/2013

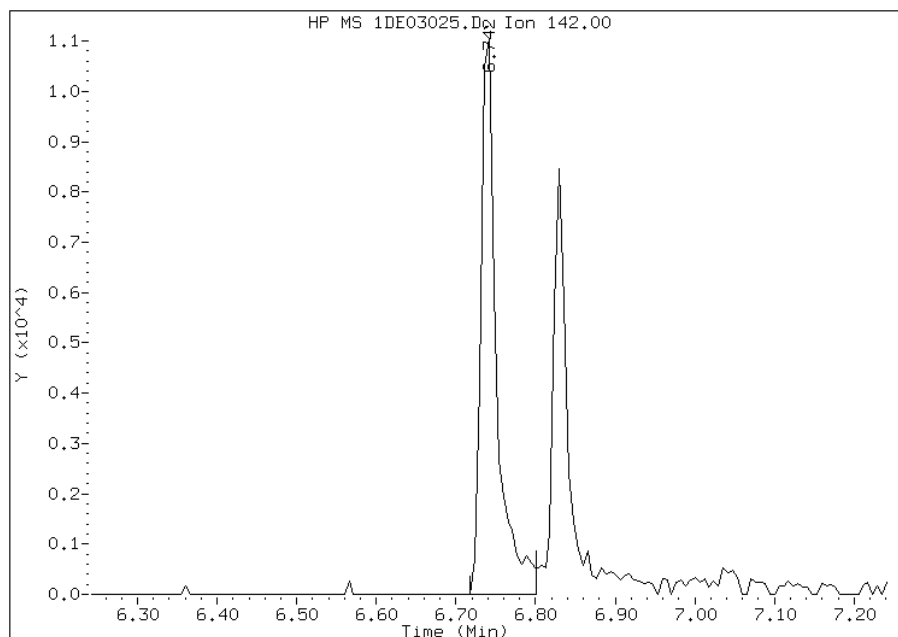
Processing Integration Results

RT: 6.74
Response: 14496
Amount: 1
Conc: 57



Manual Integration Results

RT: 6.74
Response: 15161
Amount: 1
Conc: 59



Manually Integrated By: cantins
Modification Date: 06-May-2013 16:57
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1145A-CS Lab Sample ID: 680-89791-53
 Matrix: Solid Lab File ID: 1DE03026.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 09:10
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15.03(g) Date Analyzed: 05/03/2013 19:22
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120	U	120	24
208-96-8	Acenaphthylene	49	U	49	6.1
120-12-7	Anthracene	10	U	10	5.1
56-55-3	Benzo[a]anthracene	17		9.7	4.7
50-32-8	Benzo[a]pyrene	7.3	J	13	6.3
205-99-2	Benzo[b]fluoranthene	13	J	15	7.4
191-24-2	Benzo[g,h,i]perylene	10	J	24	5.3
207-08-9	Benzo[k]fluoranthene	8.4	J	9.7	4.4
218-01-9	Chrysene	13		11	5.5
53-70-3	Dibenz(a,h)anthracene	24	U	24	5.0
206-44-0	Fluoranthene	21	J	24	4.9
86-73-7	Fluorene	24	U	24	5.0
193-39-5	Indeno[1,2,3-cd]pyrene	24	U	24	8.6
90-12-0	1-Methylnaphthalene	49	U	49	5.3
91-57-6	2-Methylnaphthalene	49	U	49	8.6
91-20-3	Naphthalene	6.3	J	49	5.3
85-01-8	Phenanthrene	16		9.7	4.7
129-00-0	Pyrene	14	J	24	4.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	56		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03026.D
 Lab Smp Id: 680-89791-A-53-A Client Smp ID: CV1145A-CS
 Inj Date : 03-MAY-2013 19:22
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-53-a
 Misc Info : 680-89791-A-53-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 27
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	17.907	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	CONCENTRATIONS				
			ON-COLUMN	FINAL			
	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/Kg)
* 1 Naphthalene-d8	136	6.009	6.004	(1.000)	1429952	40.0000	
* 6 Acenaphthene-d10	164	7.689	7.690	(1.000)	942569	40.0000	
* 9 Phenanthrene-d10	188	8.959	8.953	(1.000)	1528346	40.0000	
\$ 13 o-Terphenyl	230	9.258	9.259	(1.033)	130026	5.64639	460
* 17 Chrysene-d12	240	11.262	11.257	(1.000)	1659353	40.0000	
* 22 Perylene-d12	264	13.083	13.066	(1.000)	1637385	40.0000	
2 Naphthalene	128	6.027	6.027	(1.003)	2771	0.07796	6.3(M)
3 2-Methylnaphthalene	142	6.743	6.738	(1.122)	1591	0.06934	5.6
4 1-Methylnaphthalene	142	6.832	6.826	(1.137)	1255	0.05792	4.7(Q)
10 Phenanthrene	178	8.976	8.971	(1.002)	8297	0.19709	16
11 Anthracene	178	9.011	9.012	(1.006)	2021	0.04837	3.9
12 Carbazole	167	9.164	9.159	(1.023)	1699	0.04610	3.7(Q)
14 Fluoranthene	202	9.957	9.958	(1.111)	11180	0.25808	21
15 Pyrene	202	10.145	10.146	(0.901)	8474	0.17006	14(M)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
16 Benzo(a)anthracene	228	11.256	11.239	(0.999)	9934	0.20707	17
18 Chrysene	228	11.285	11.280	(1.002)	7291	0.16208	13
19 Benzo(b)fluoranthene	252	12.537	12.526	(0.958)	6610	0.16160	13
20 Benzo(k)fluoranthene	252	12.566	12.567	(0.960)	4444	0.10313	8.4
21 Benzo(a)pyrene	252	12.983	12.978	(0.992)	3681	0.08957	7.2
25 Benzo(g,h,i)perylene	276	15.110	15.081	(1.155)	5262	0.12471	10(M)

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1DE03026.D

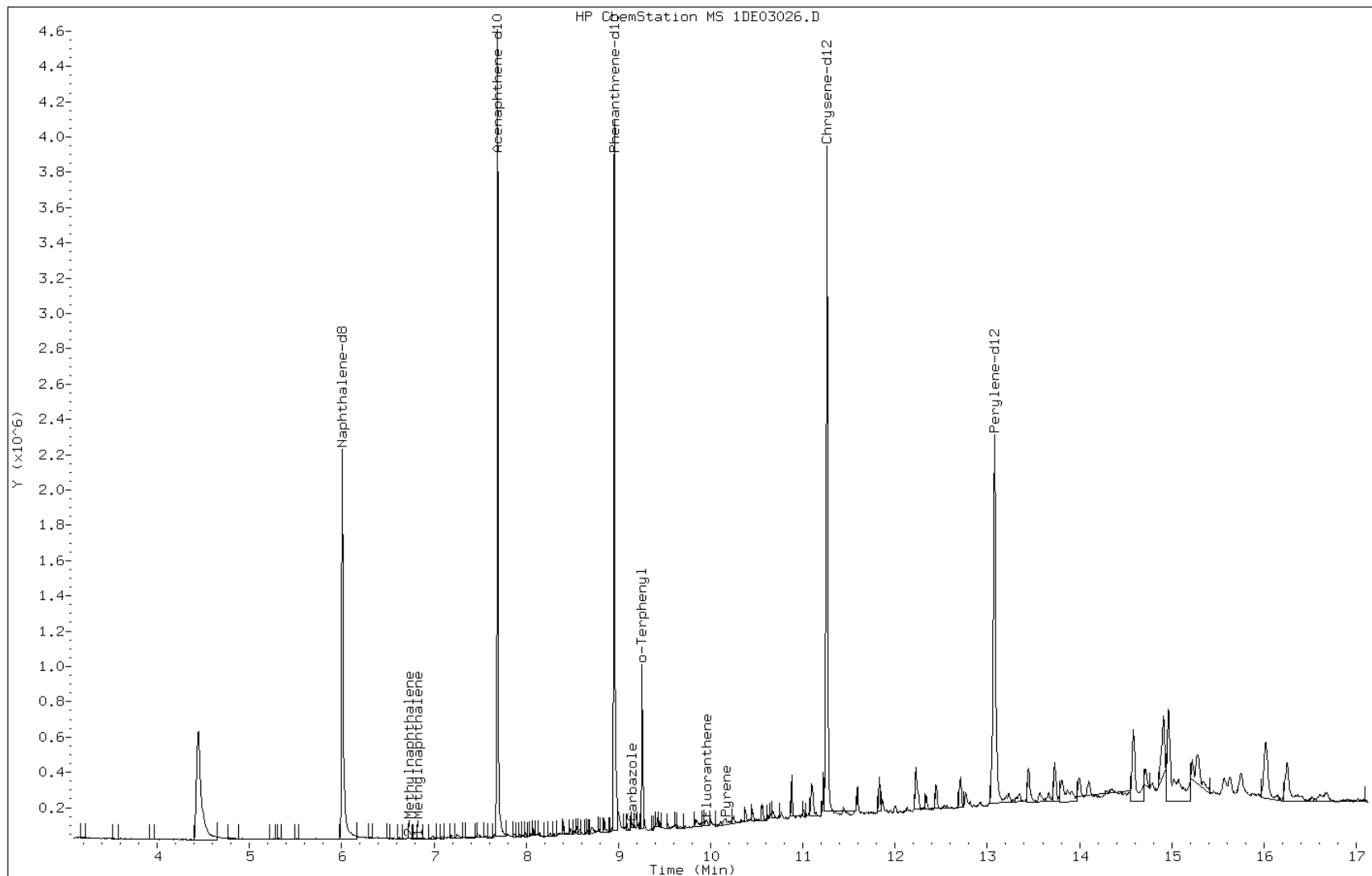
Date: 03-MAY-2013 19:22

Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

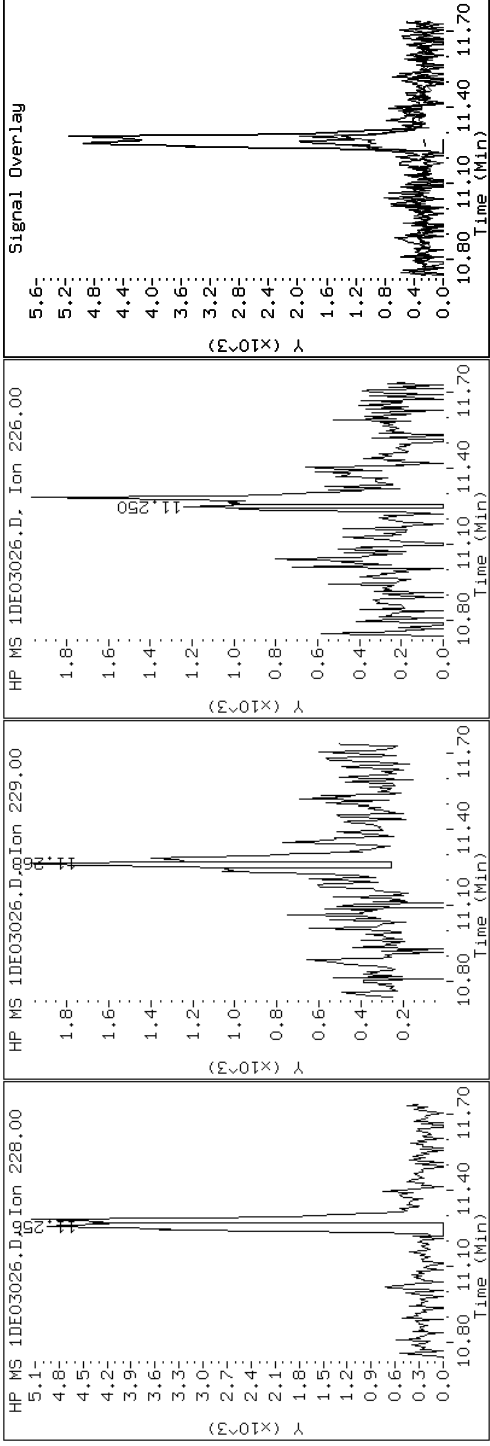
Client ID: CV1145A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-53-a

Operator: SCC

16 Benzo(a)anthracene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

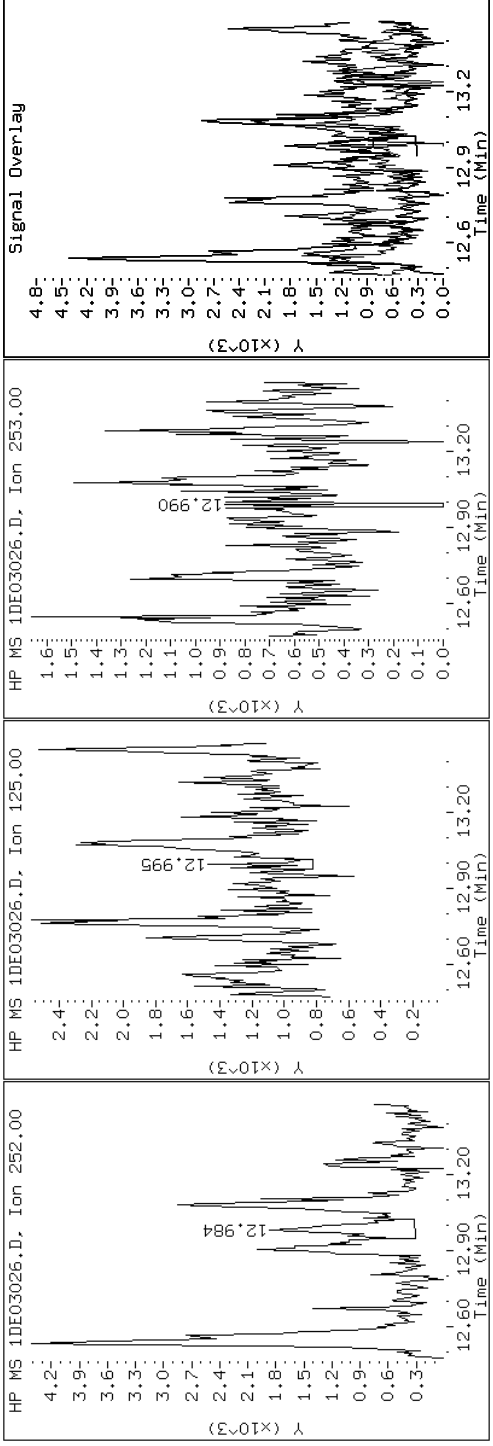
Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

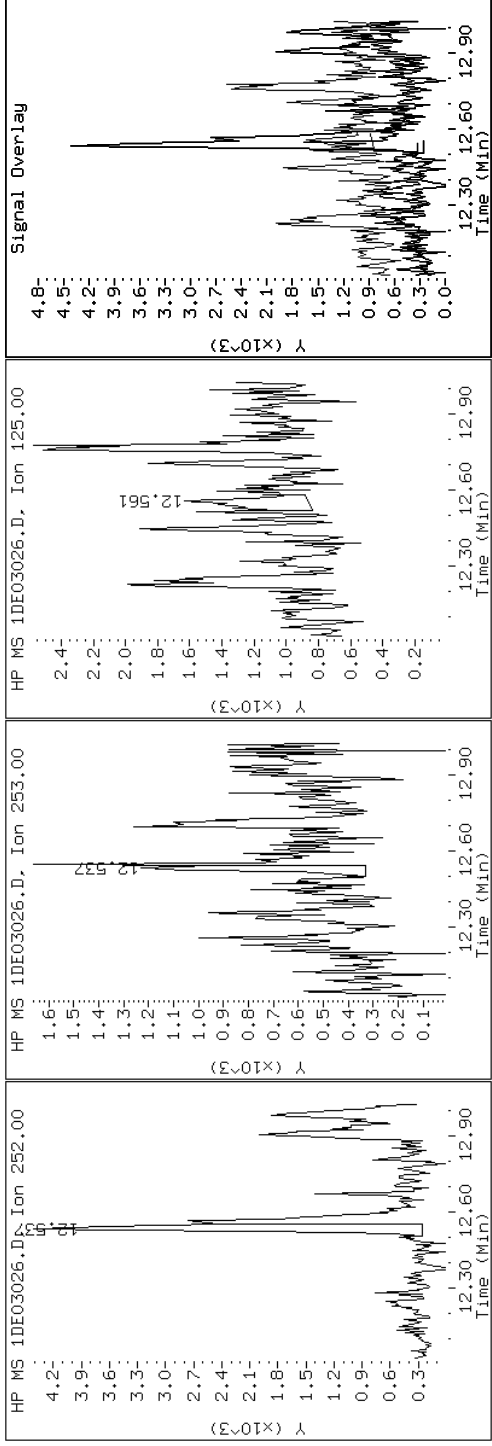
Client ID: CV1145A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-53-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

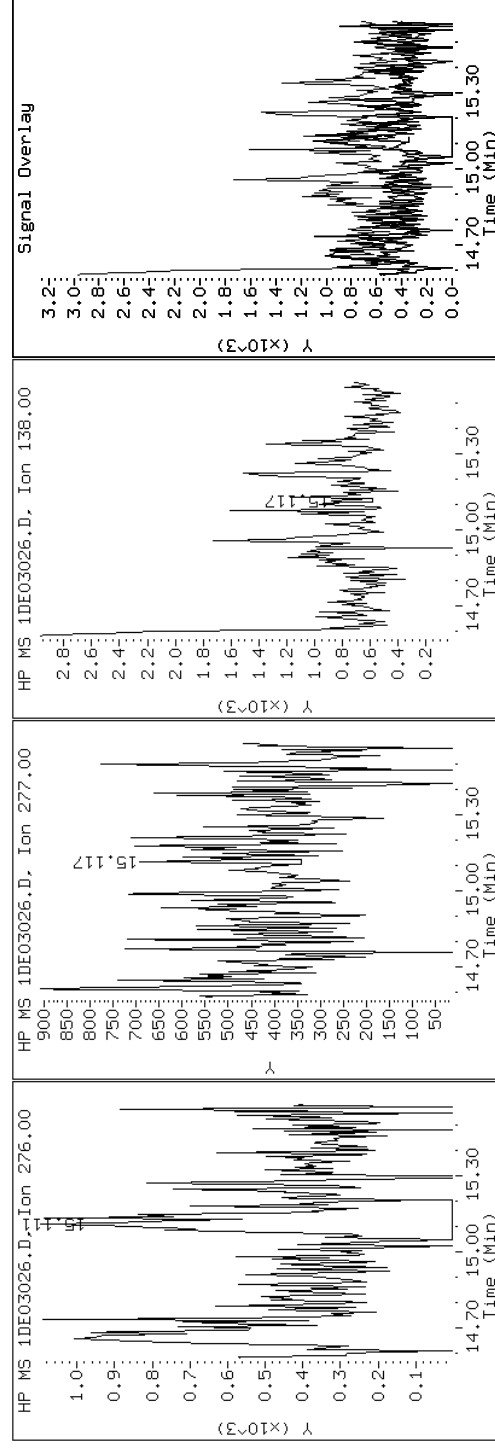
Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

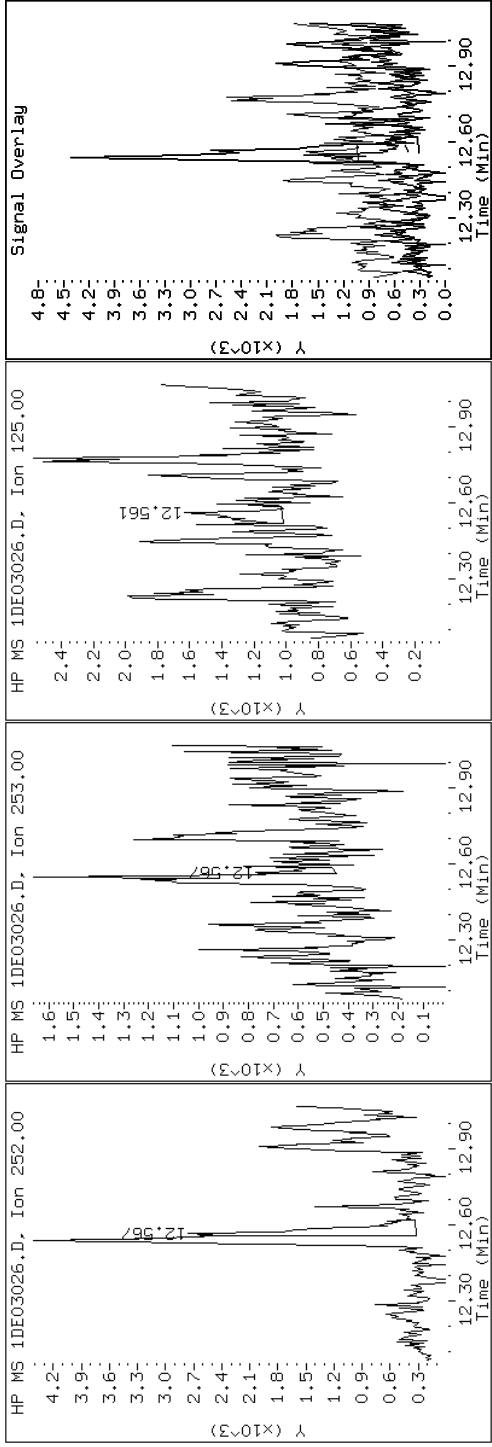
Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

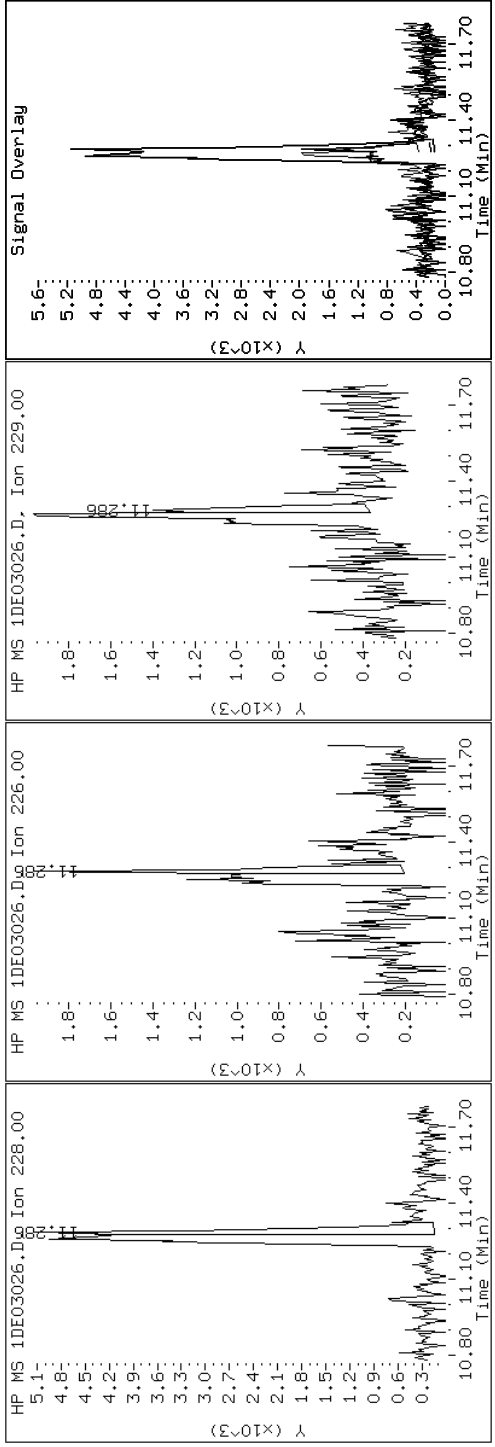
Client ID: CV1145A-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-53-a

Operator: SCC

18 Chrysene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

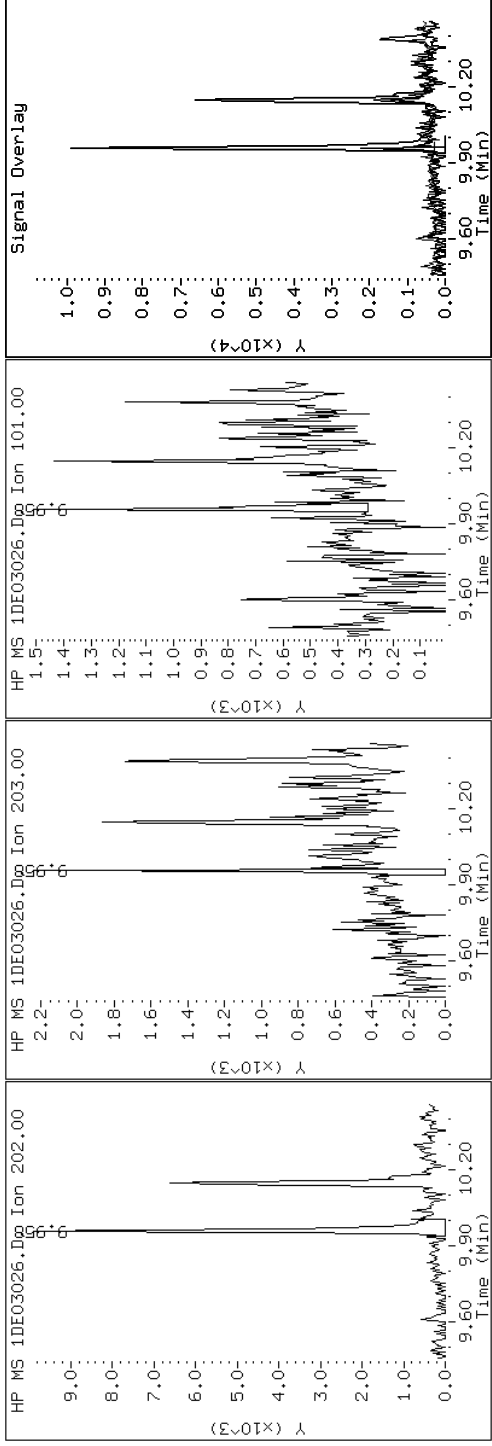
Client ID: CV1145A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

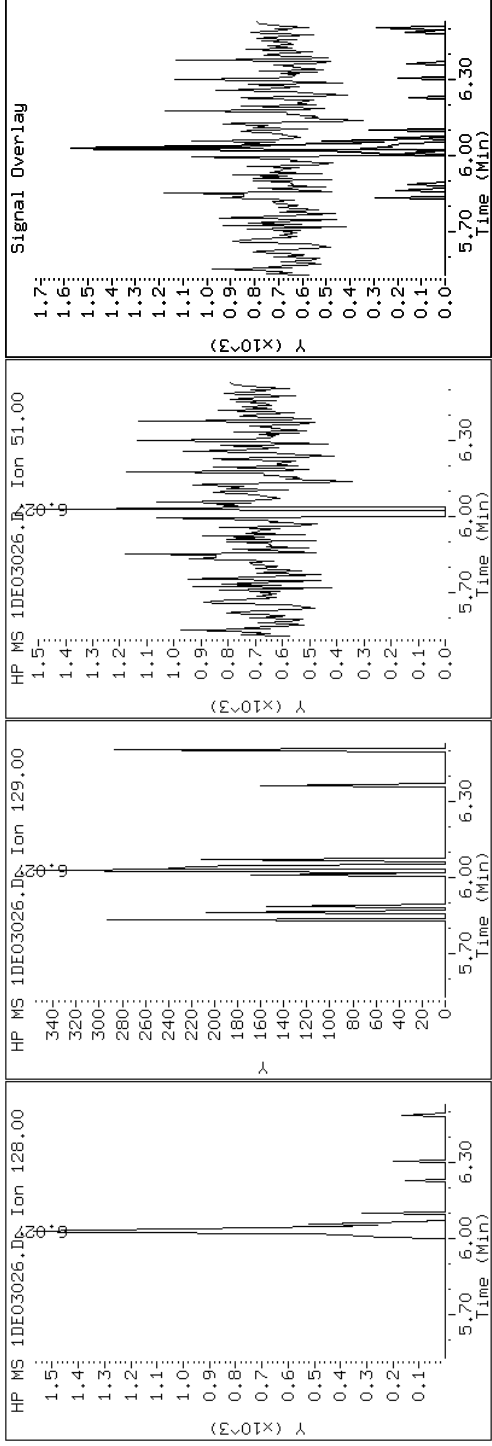
Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

2 Naphthalene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

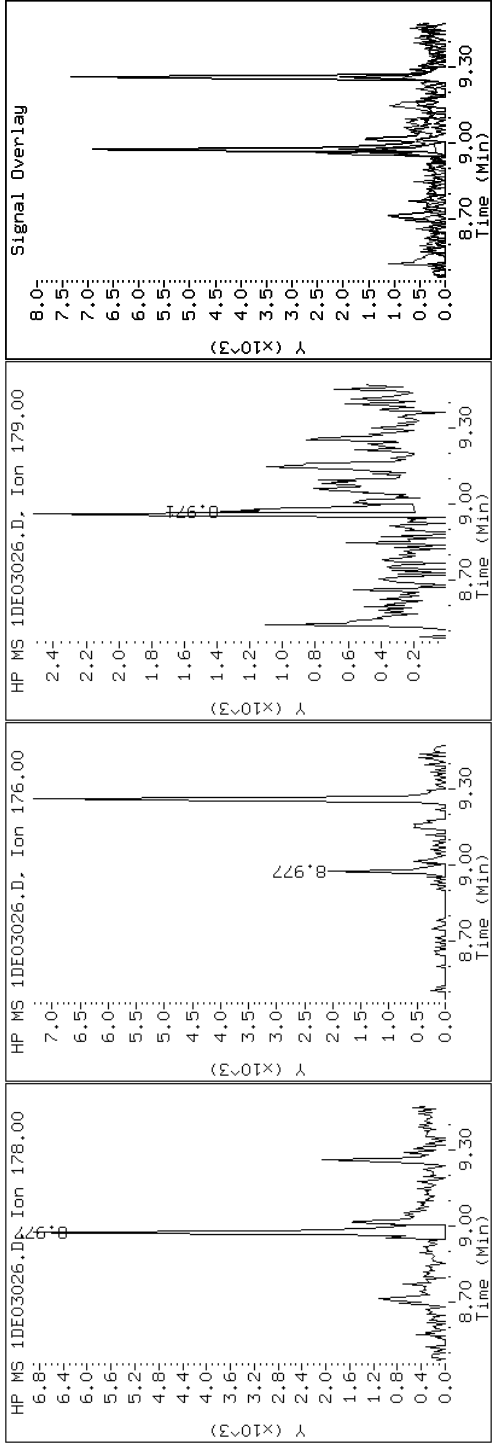
Client ID: CV1145A-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03026.D

Date: 03-MAY-2013 19:22

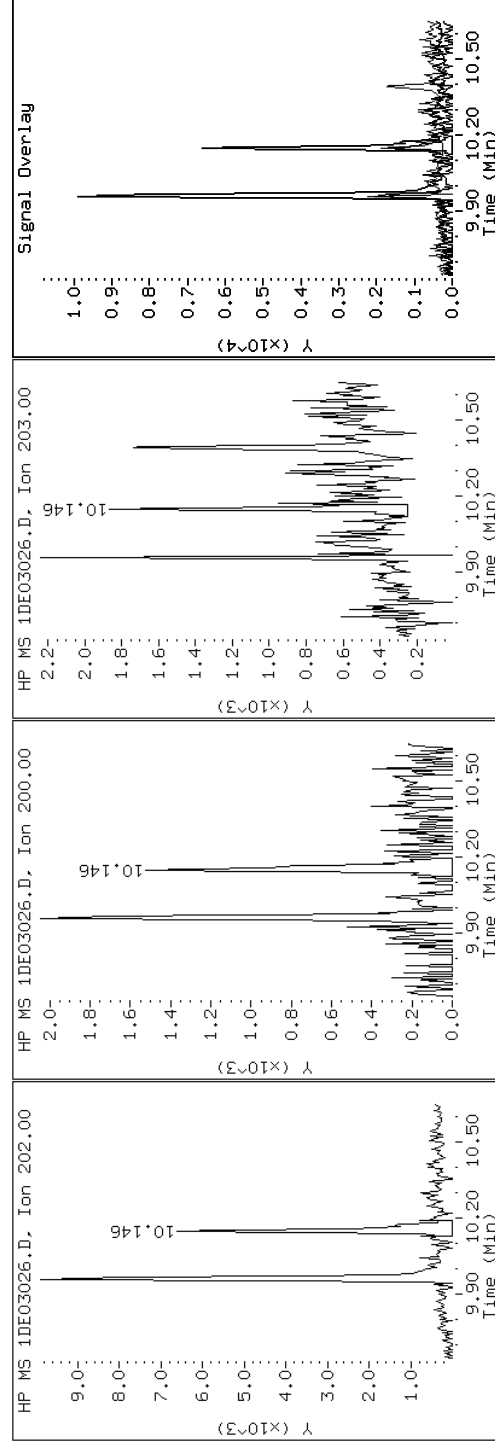
Client ID: CV1145A-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-53-a

Operator: SCC

15 Pyrene

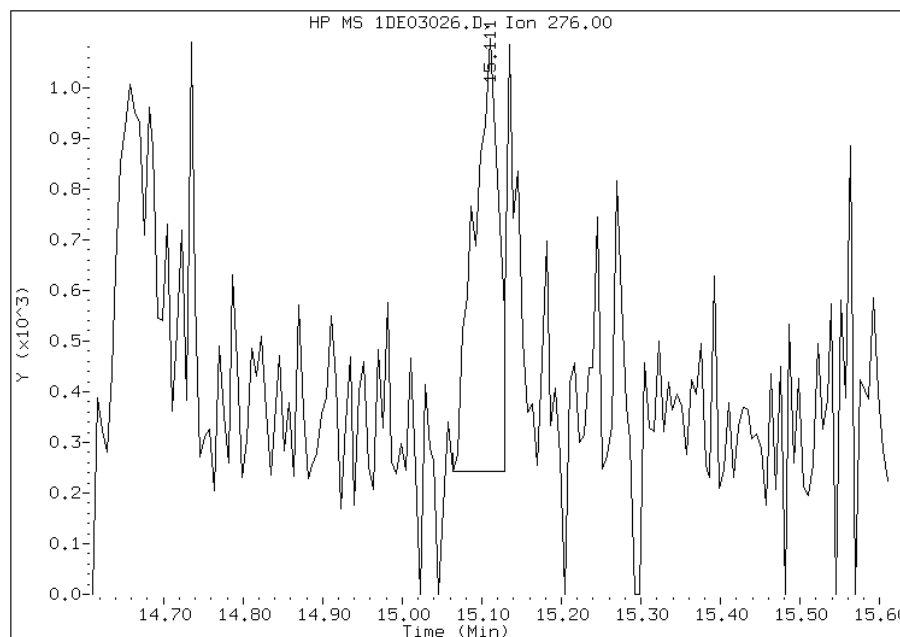


Manual Integration Report

Data File: 1DE03026.D
Inj. Date and Time: 03-MAY-2013 19:22
Instrument ID: BSMDS.i
Client ID: CV1145A-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

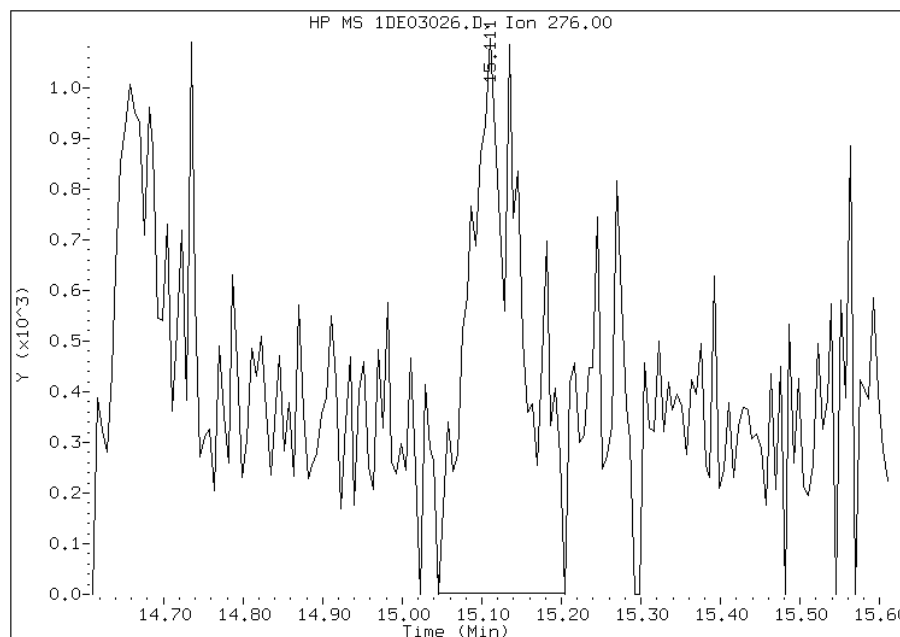
Processing Integration Results

RT: 15.11
Response: 1856
Amount: 0
Conc: 4



Manual Integration Results

RT: 15.11
Response: 5262
Amount: 0
Conc: 10



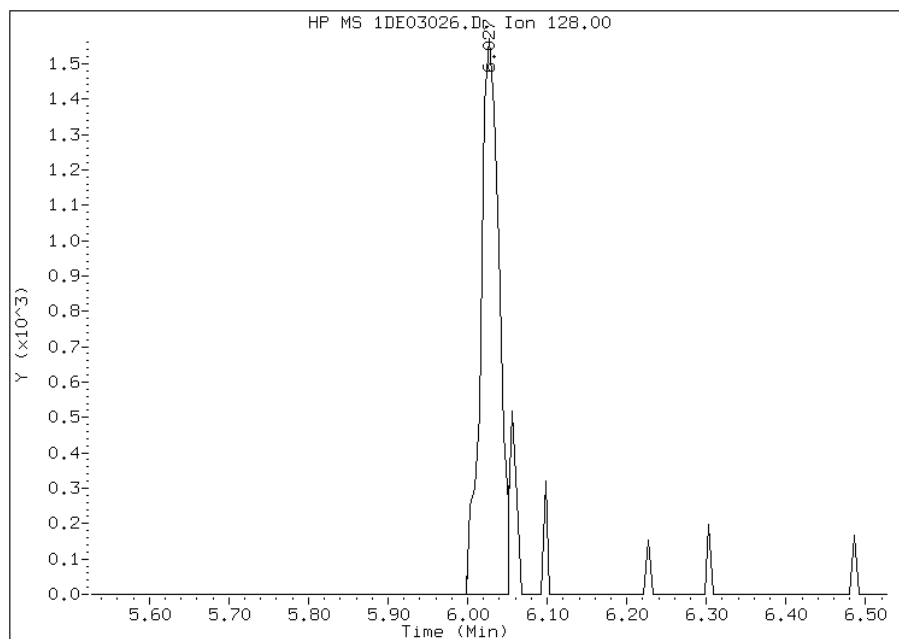
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:01
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03026.D
Inj. Date and Time: 03-MAY-2013 19:22
Instrument ID: BSMSD.i
Client ID: CV1145A-CS
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

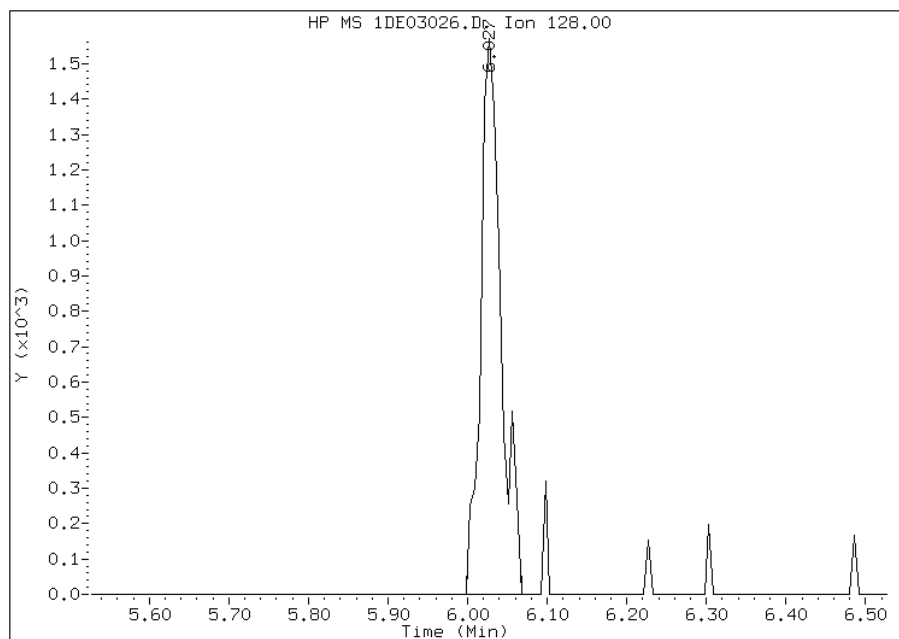
Processing Integration Results

RT: 6.03
Response: 2497
Amount: 0
Conc: 6



Manual Integration Results

RT: 6.03
Response: 2771
Amount: 0
Conc: 6



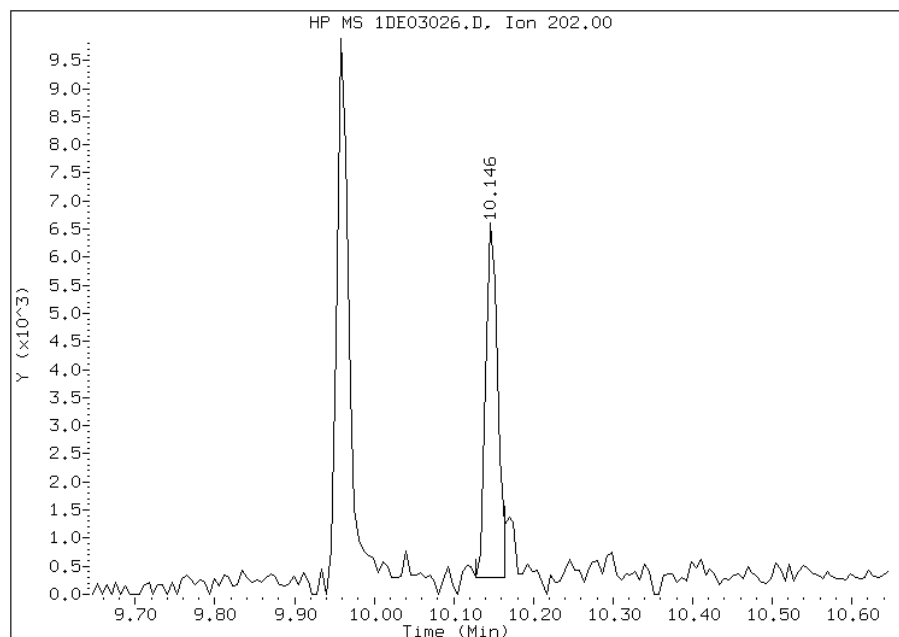
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03026.D
Inj. Date and Time: 03-MAY-2013 19:22
Instrument ID: BSMSD.i
Client ID: CV1145A-CS
Compound: 15 Pyrene
CAS #: 129-00-0
Report Date: 05/06/2013

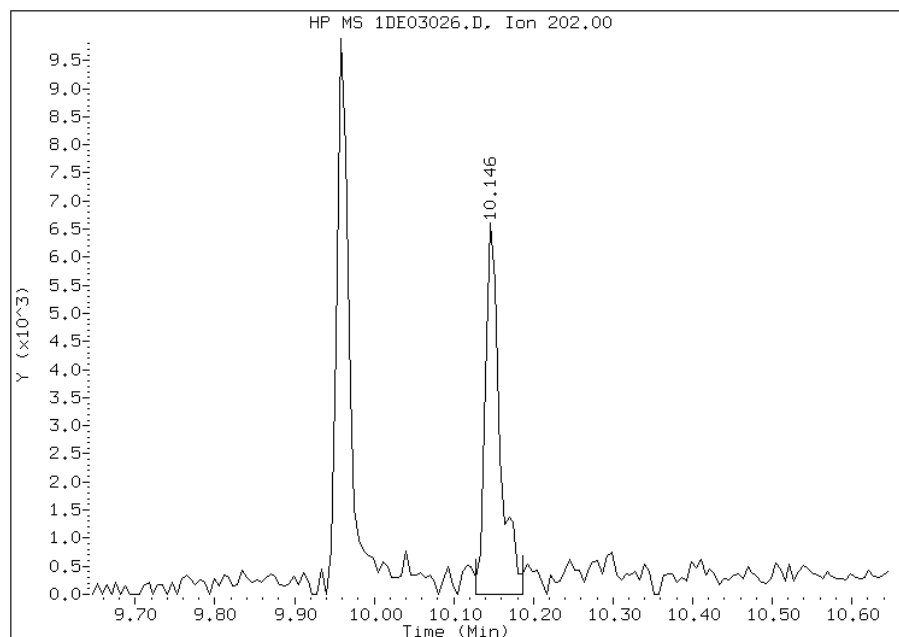
Processing Integration Results

RT: 10.15
Response: 6552
Amount: 0
Conc: 11



Manual Integration Results

RT: 10.15
Response: 8474
Amount: 0
Conc: 14



Manually Integrated By: cantins
Modification Date: 06-May-2013 17:00
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV1145B-CS Lab Sample ID: 680-89791-54
 Matrix: Solid Lab File ID: 1DE03027.D
 Analysis Method: 8270C LL Date Collected: 04/26/2013 09:10
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.93(g) Date Analyzed: 05/03/2013 19:45
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 22.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	130	U	130	26
208-96-8	Acenaphthylene	52	U	52	6.5
120-12-7	Anthracene	11		11	5.4
56-55-3	Benzo[a]anthracene	10	U	10	5.0
50-32-8	Benzo[a]pyrene	24		13	6.7
205-99-2	Benzo[b]fluoranthene	44		16	7.9
191-24-2	Benzo[g,h,i]perylene	20	J	26	5.7
207-08-9	Benzo[k]fluoranthene	32		10	4.6
218-01-9	Chrysene	41		12	5.8
53-70-3	Dibenz(a,h)anthracene	26	U	26	5.3
206-44-0	Fluoranthene	58		26	5.2
86-73-7	Fluorene	26	U	26	5.3
193-39-5	Indeno[1,2,3-cd]pyrene	10	J	26	9.2
90-12-0	1-Methylnaphthalene	25	J	52	5.7
91-57-6	2-Methylnaphthalene	30	J	52	9.2
91-20-3	Naphthalene	35	J	52	5.7
85-01-8	Phenanthrene	40		10	5.0
129-00-0	Pyrene	36		26	4.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	42		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03027.D
 Lab Smp Id: 680-89791-A-54-A Client Smp ID: CV1145B-CS
 Inj Date : 03-MAY-2013 19:45
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-54-a
 Misc Info : 680-89791-A-54-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 28
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.930	Weight Extracted
M	22.146	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.010	6.004	(1.000)	1395642	40.0000	
* 6 Acenaphthene-d10	164		7.690	7.690	(1.000)	940696	40.0000	
* 9 Phenanthrene-d10	188		8.959	8.953	(1.000)	1565141	40.0000	
\$ 13 o-Terphenyl	230		9.259	9.259	(1.033)	98663	4.18373	360
* 17 Chrysene-d12	240		11.262	11.257	(1.000)	1659368	40.0000	
* 22 Perylene-d12	264		13.084	13.066	(1.000)	1571754	40.0000	
2 Naphthalene	128		6.027	6.027	(1.003)	14071	0.40563	35(M)
3 2-Methylnaphthalene	142		6.738	6.738	(1.121)	7767	0.34685	30
4 1-Methylnaphthalene	142		6.832	6.826	(1.137)	6206	0.29347	25
5 Acenaphthylene	152		7.561	7.561	(0.983)	2074	0.05209	4.5
10 Phenanthrene	178		8.977	8.971	(1.002)	19827	0.45990	40
11 Anthracene	178		9.012	9.012	(1.006)	5302	0.12391	11
12 Carbazole	167		9.165	9.159	(1.023)	2586	0.06852	5.9
14 Fluoranthene	202		9.958	9.958	(1.111)	29795	0.67161	58(M)

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/Kg)
15 Pyrene	202	10.146	10.146	(0.901)	20925	0.41992	36
18 Chrysene	228	11.286	11.280	(1.002)	21259	0.47259	41
19 Benzo(b)fluoranthene	252	12.537	12.526	(0.958)	20224	0.51509	44(M)
20 Benzo(k)fluoranthene	252	12.555	12.567	(0.960)	15456	0.37366	32(MH)
21 Benzo(a)pyrene	252	12.984	12.978	(0.992)	10877	0.27572	24
23 Indeno(1,2,3-cd)pyrene	276	14.676	14.647	(1.122)	5055	0.12017	10(M)
24 Dibenzo(a,h)anthracene	278	14.682	14.670	(1.122)	2214	0.05589	4.8(M)
25 Benzo(g,h,i)perylene	276	15.105	15.081	(1.154)	9211	0.22741	20(M)

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DE03027.D

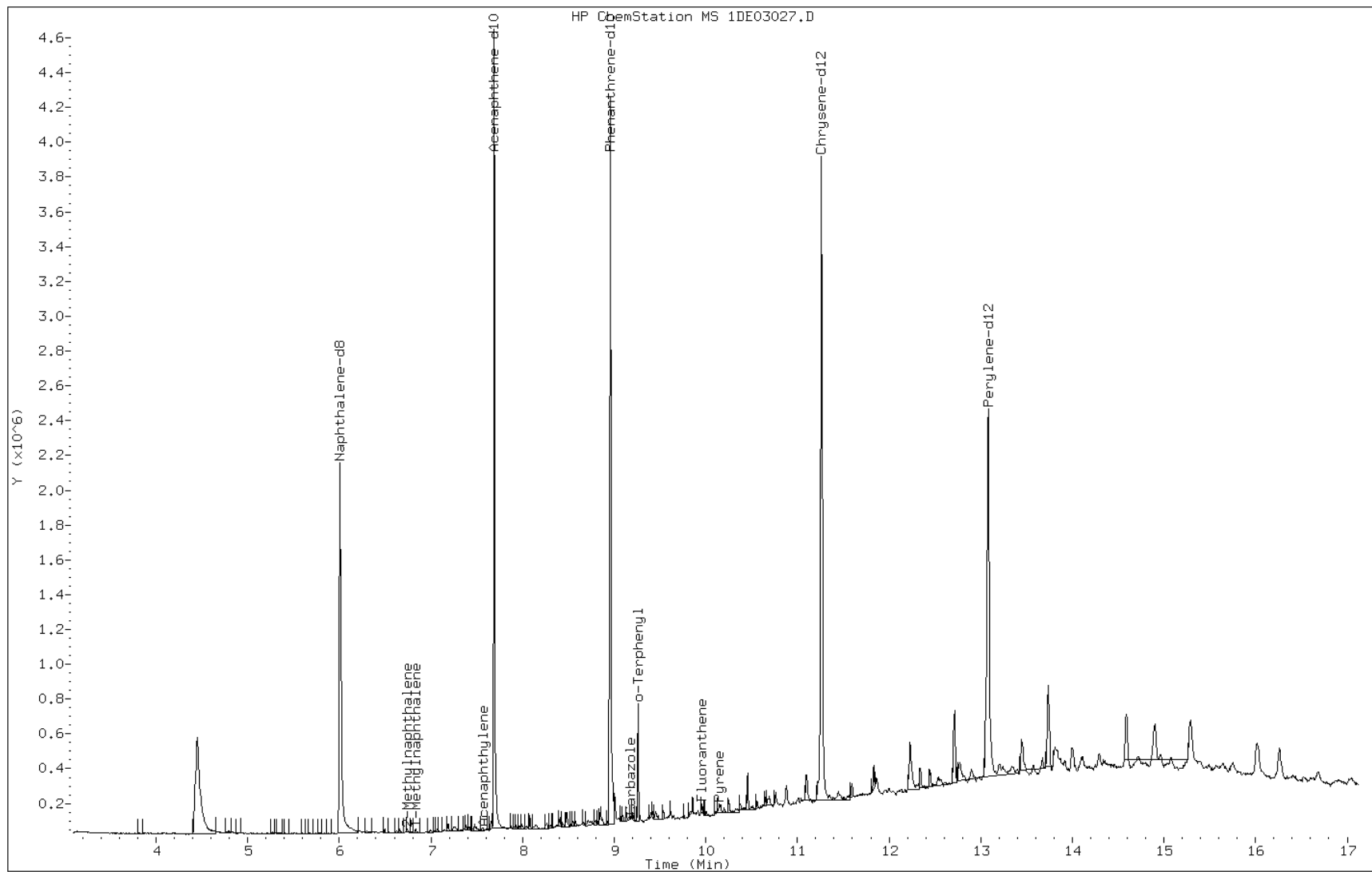
Date: 03-MAY-2013 19:45

Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

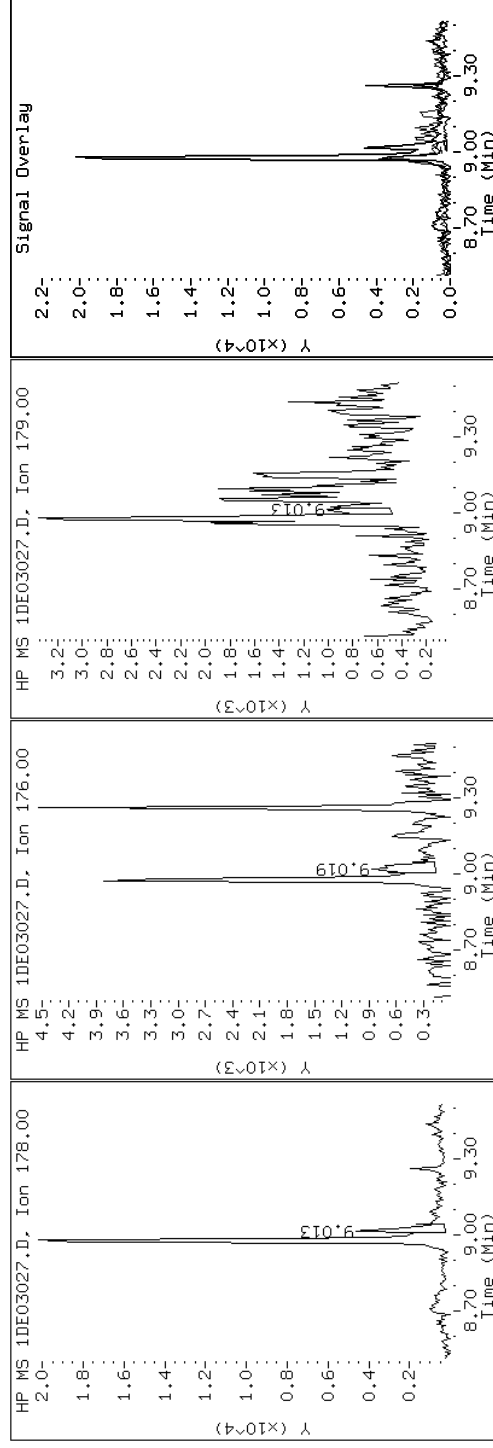
Client ID: CV1145B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

11 Anthracene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

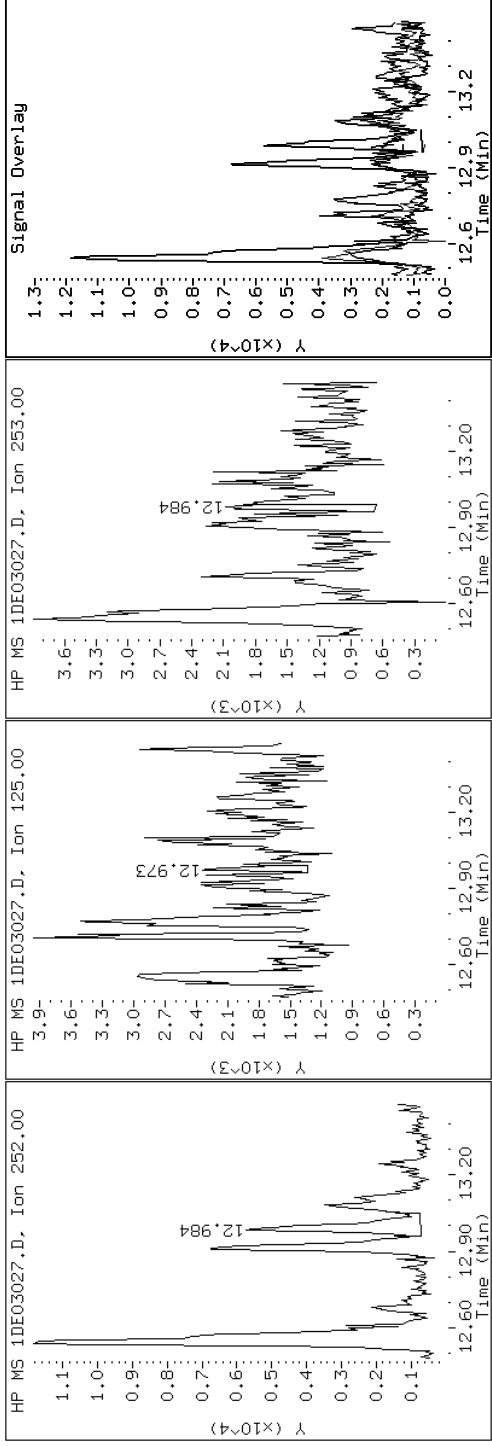
Client ID: CV1145B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

21 Benzo(a)pyrene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

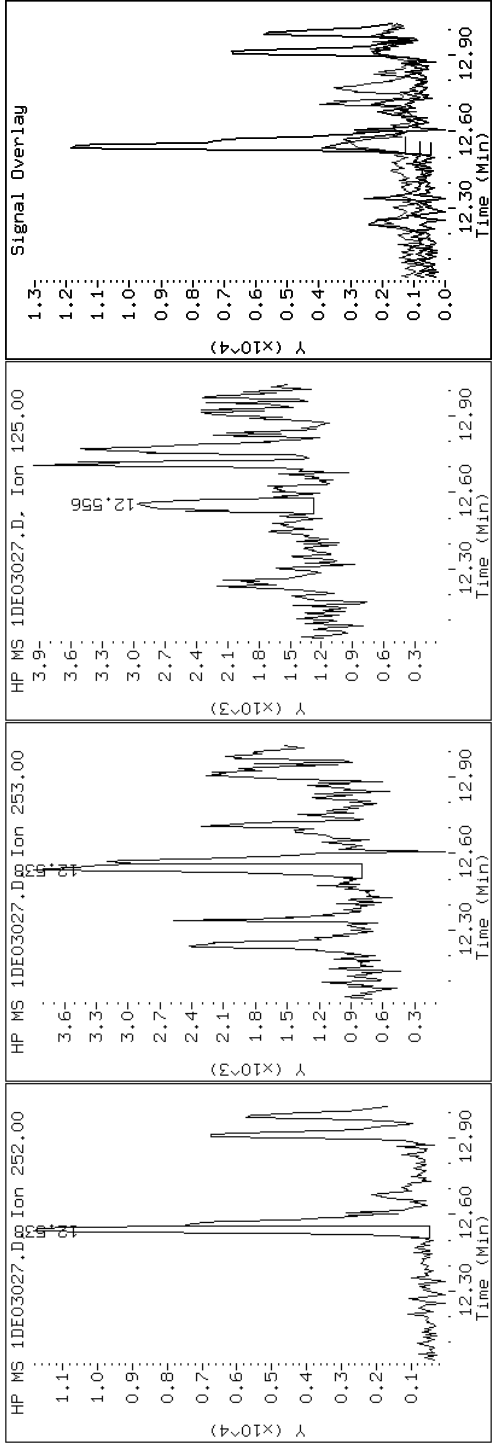
Client ID: CV1145B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

19 Benzo(b)fluoranthene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

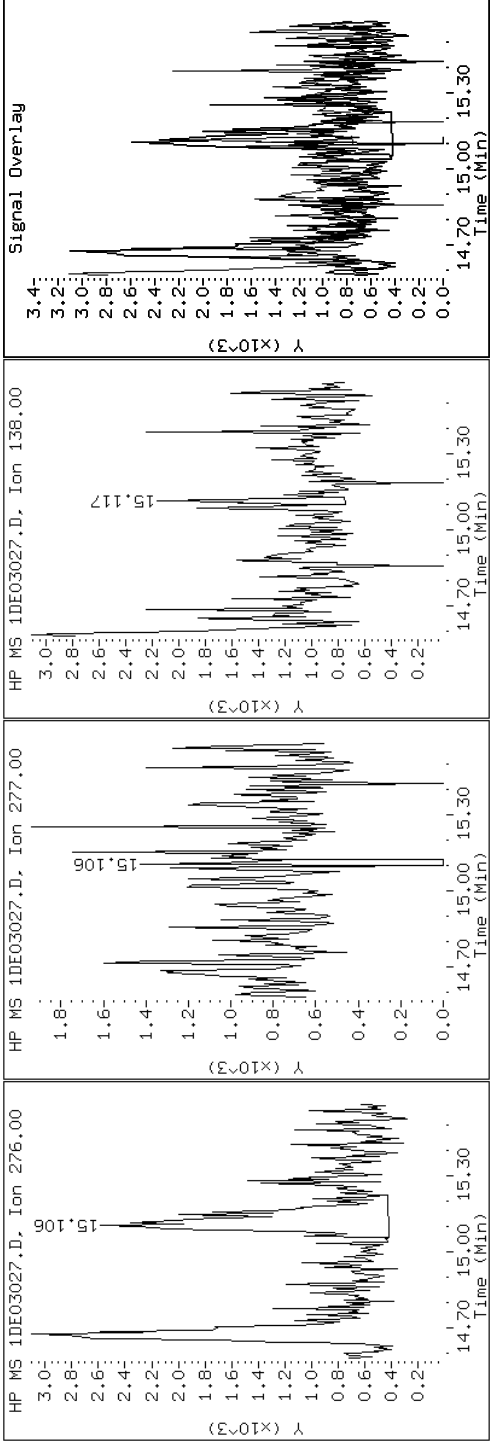
Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC

25 Benzo(g,h,i)perylene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

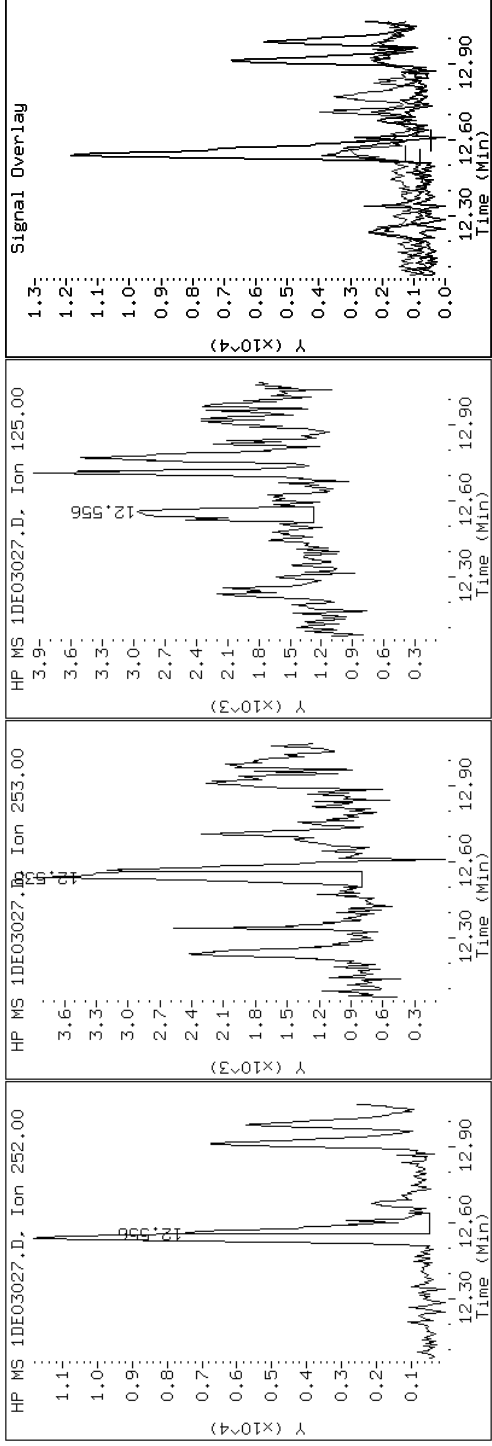
Client ID: CV1145B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

20 Benzo(k)fluoranthene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

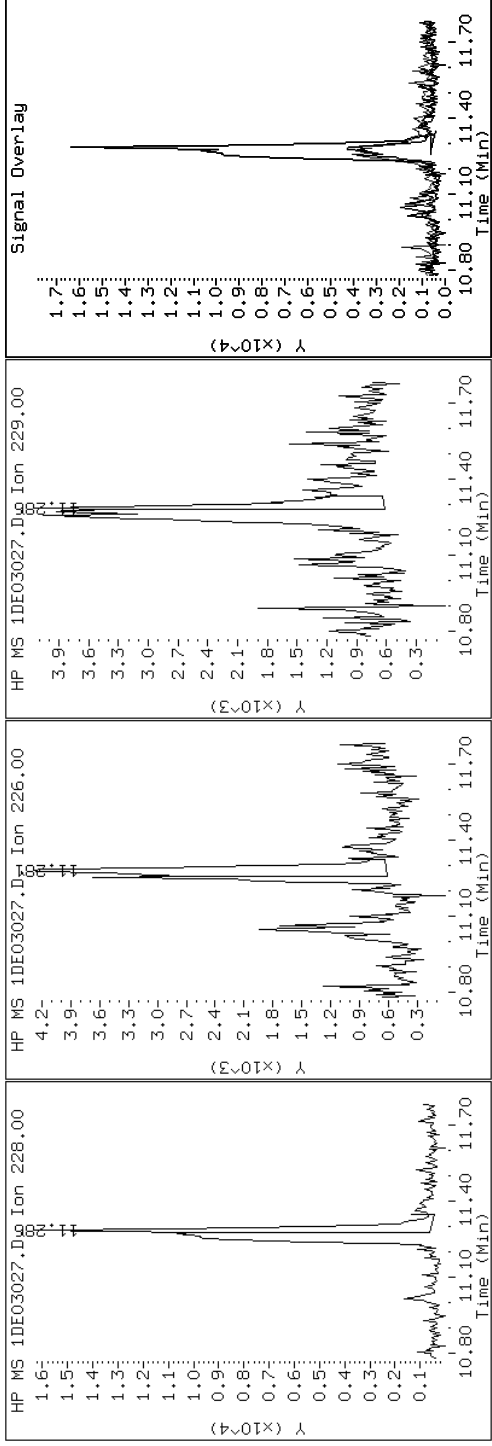
Client ID: CV1145B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

18 Chrysene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

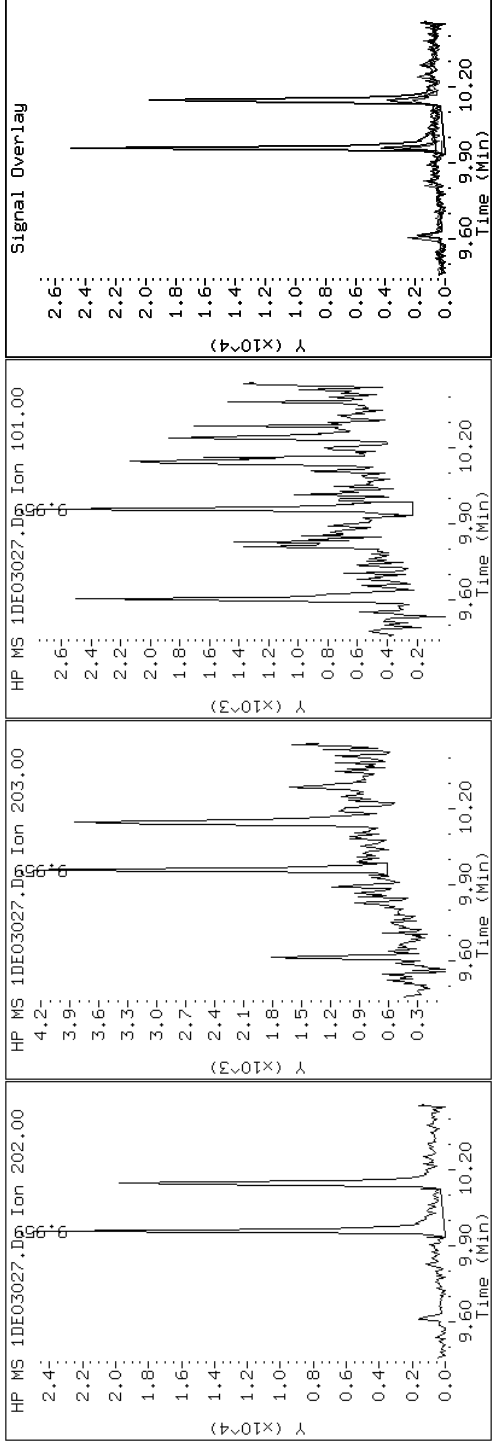
Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC

14 Fluoranthene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

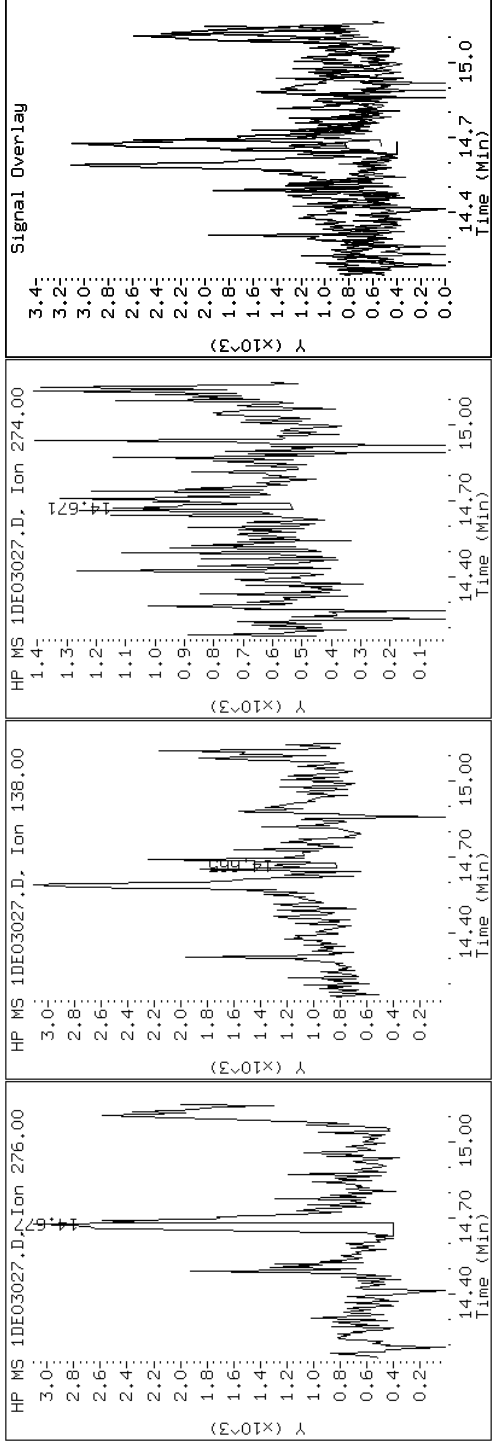
Client ID: CV1145B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

23 Indeno(1,2,3-cd)pyrene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

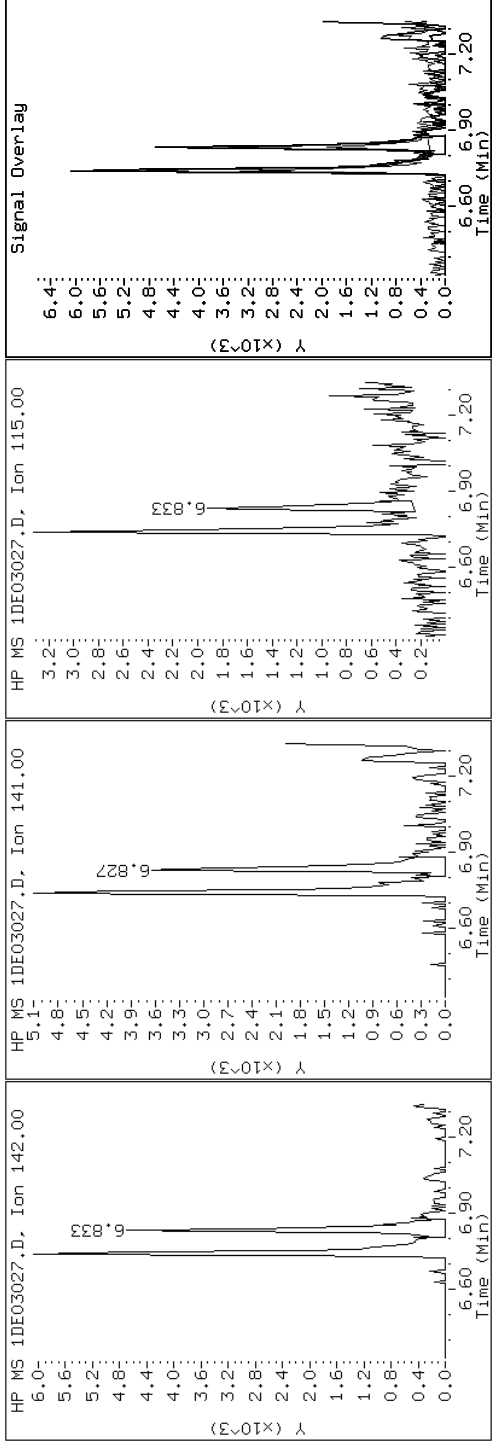
Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

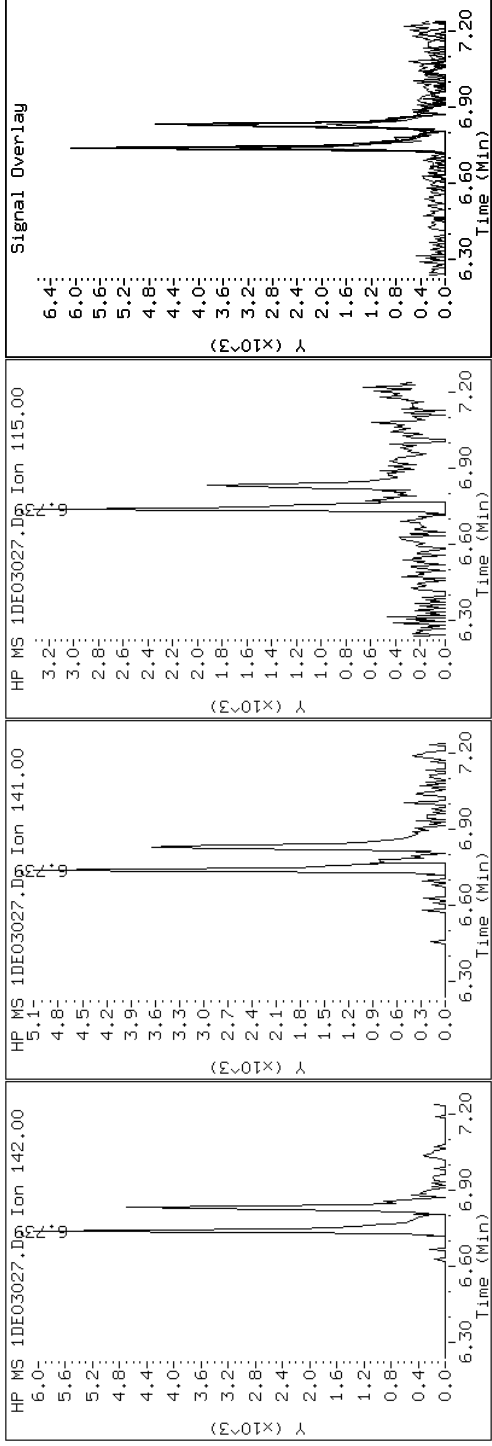
Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

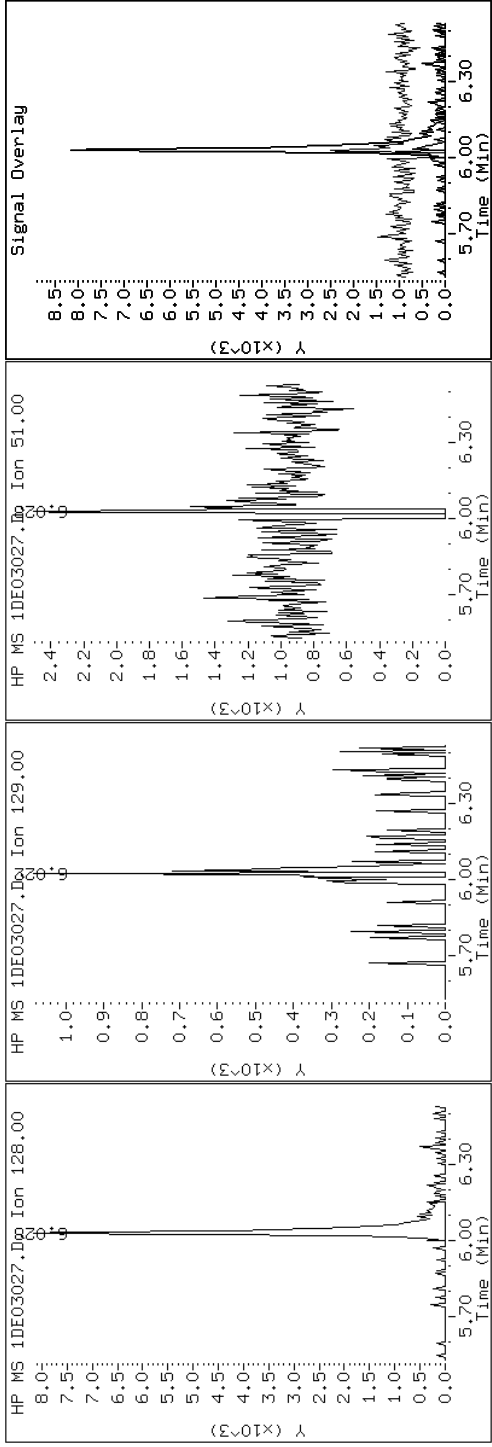
Client ID: CV1145B-CS

Instrument: BSMDS.i

Sample Info: 680-89791-a-54-a

Operator: SCC

2 Naphthalene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

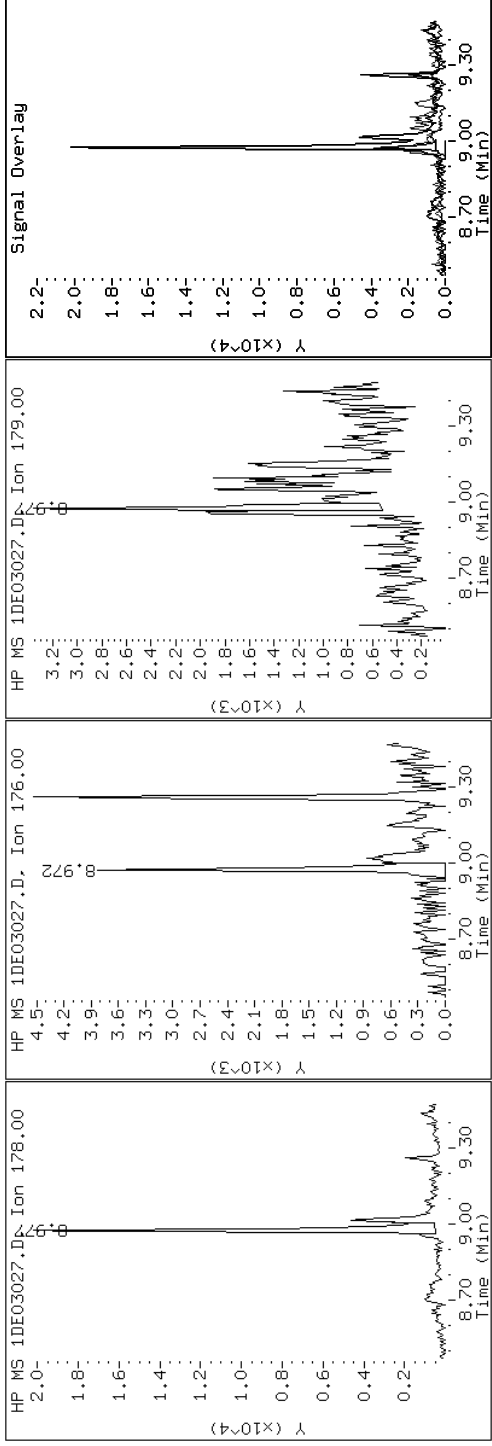
Client ID: CV1145B-CS

Instrument: BSMMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

10 Phenanthrene



Data File: 1DE03027.D

Date: 03-MAY-2013 19:45

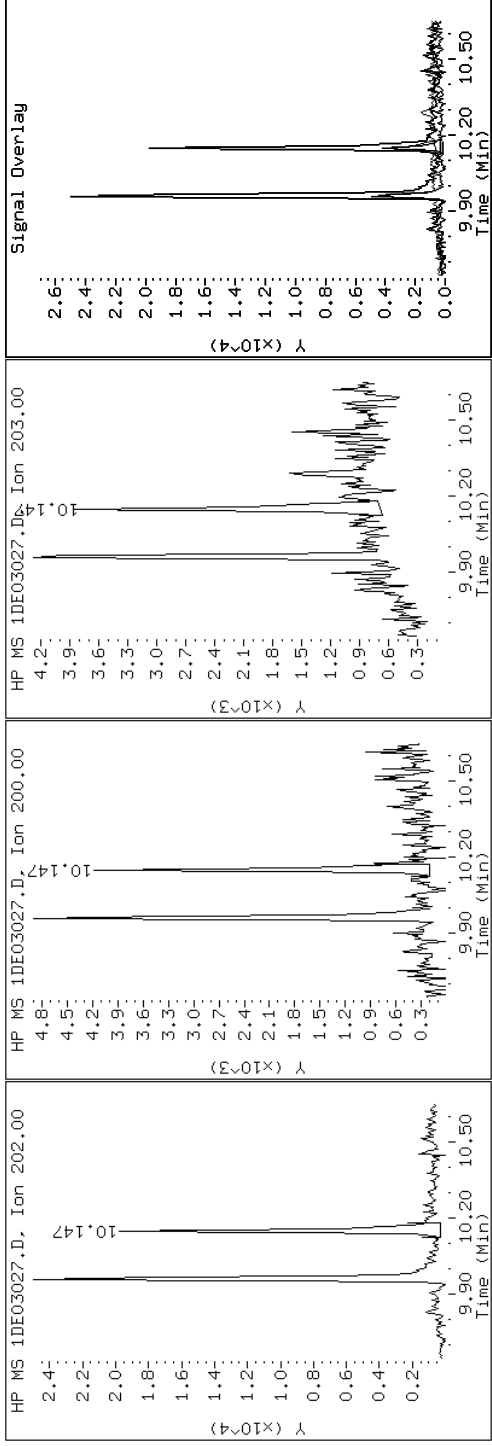
Client ID: CV1145B-CS

Instrument: BSMSD.i

Sample Info: 680-89791-a-54-a

Operator: SCC

15 Pyrene

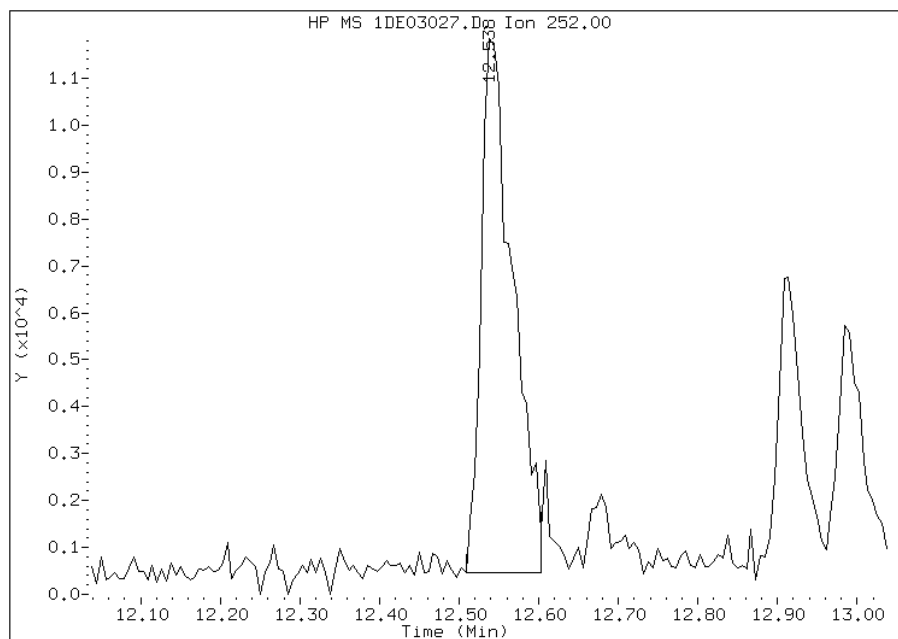


Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMSD.i
Client ID: CV1145B-CS
Compound: 19 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 05/06/2013

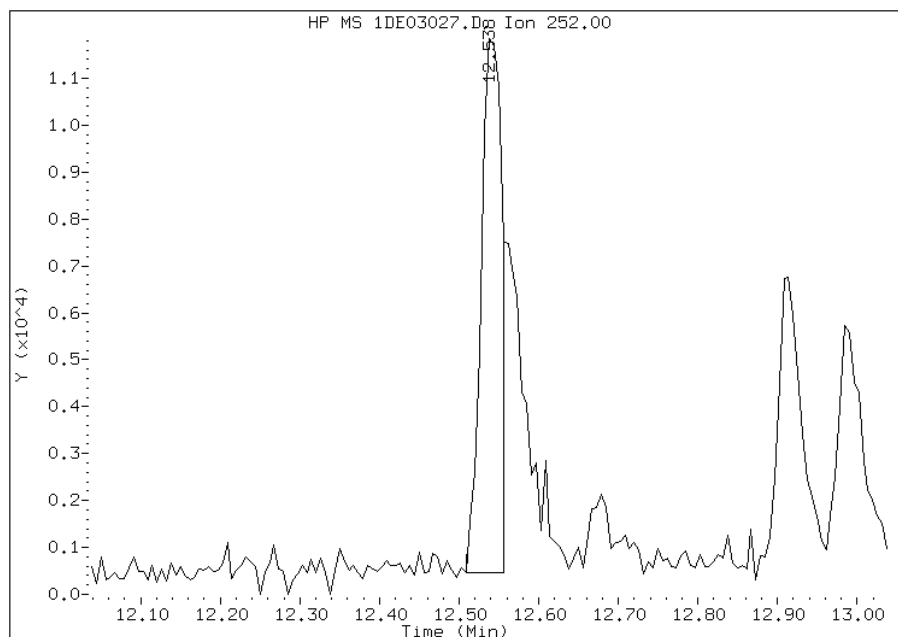
Processing Integration Results

RT: 12.54
Response: 31555
Amount: 1
Conc: 69



Manual Integration Results

RT: 12.54
Response: 20224
Amount: 1
Conc: 44



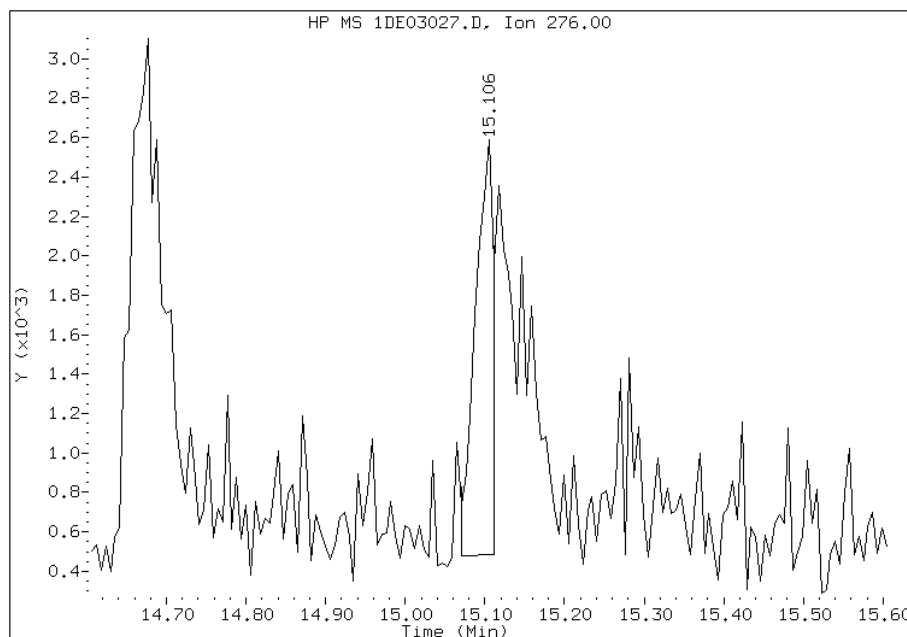
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:04
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMDS.i
Client ID: CV1145B-CS
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

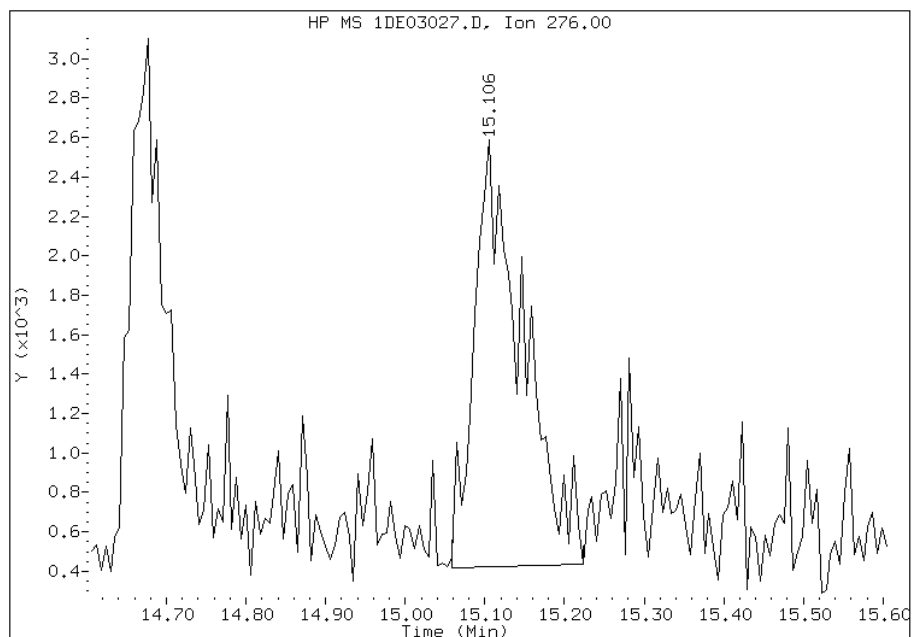
Processing Integration Results

RT: 15.11
Response: 3380
Amount: 0
Conc: 7



Manual Integration Results

RT: 15.11
Response: 9211
Amount: 0
Conc: 20



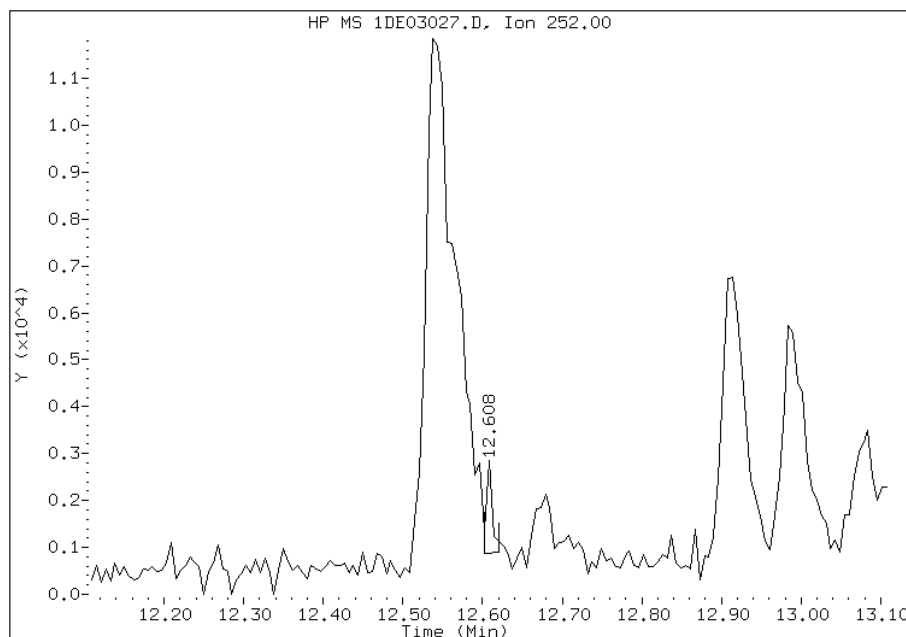
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMSD.i
Client ID: CV1145B-CS
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

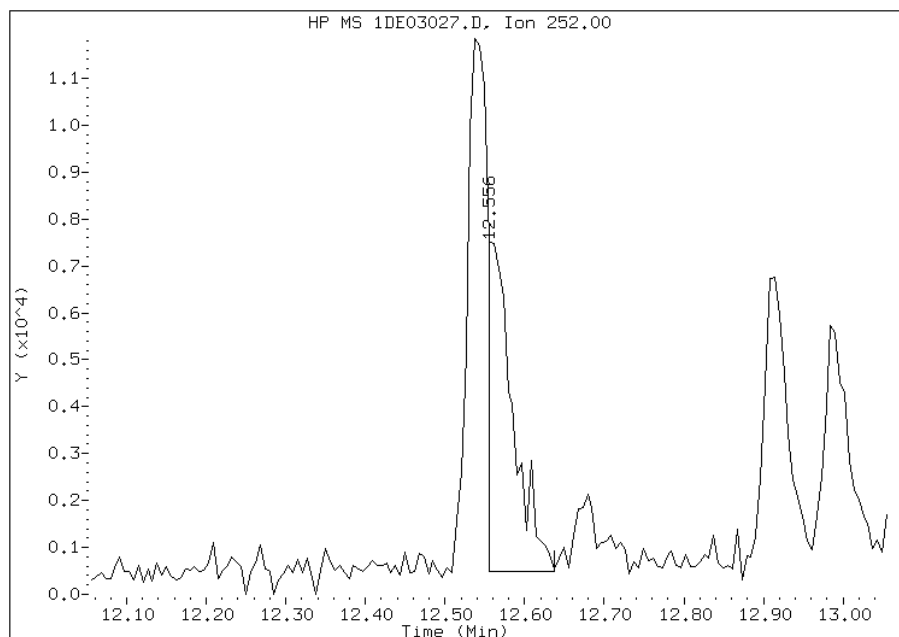
Processing Integration Results

RT: 12.61
Response: 1065
Amount: 0
Conc: 2



Manual Integration Results

RT: 12.56
Response: 15456
Amount: 0
Conc: 32



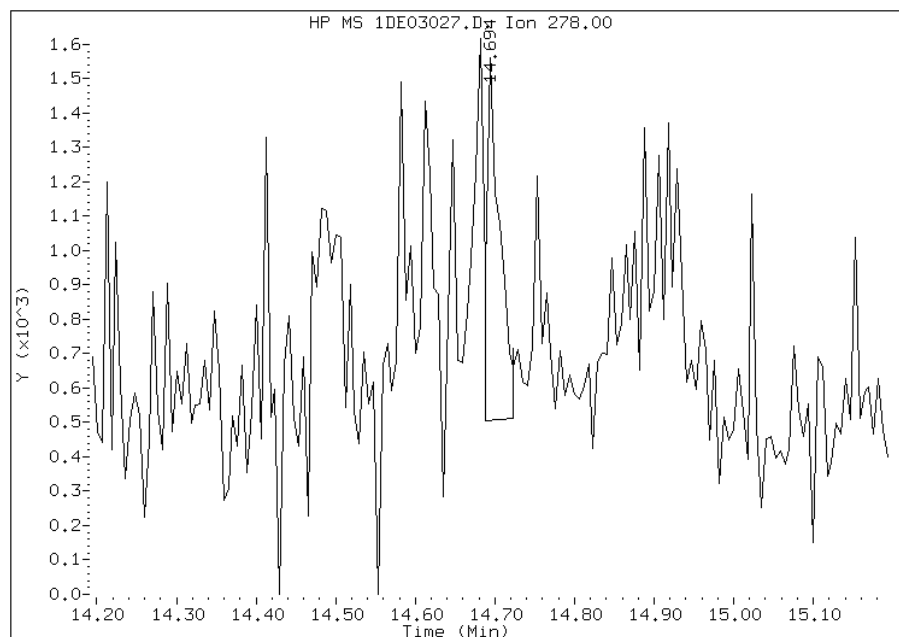
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMDS.i
Client ID: CV1145B-CS
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

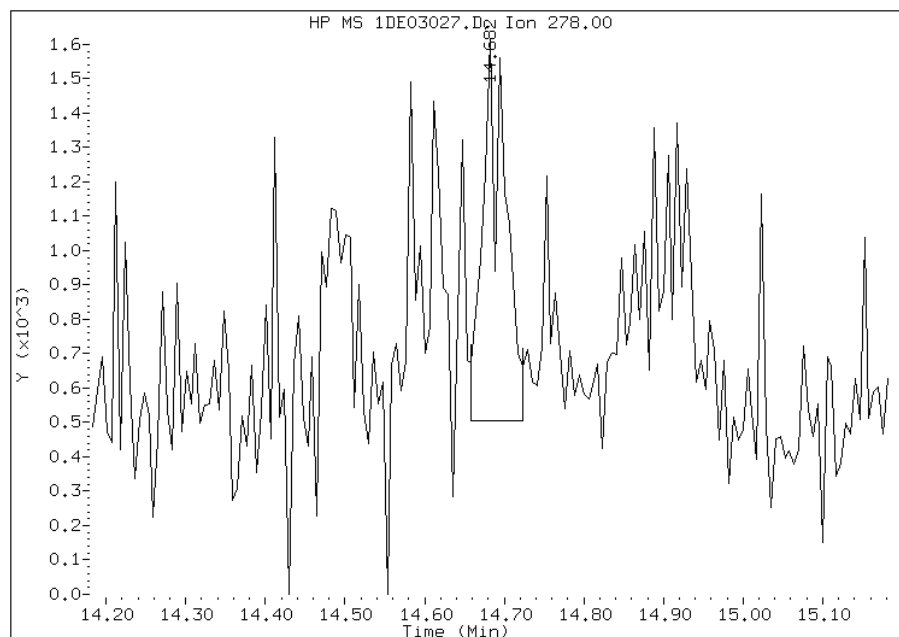
Processing Integration Results

RT: 14.69
Response: 1221
Amount: 0
Conc: 3



Manual Integration Results

RT: 14.68
Response: 2214
Amount: 0
Conc: 5



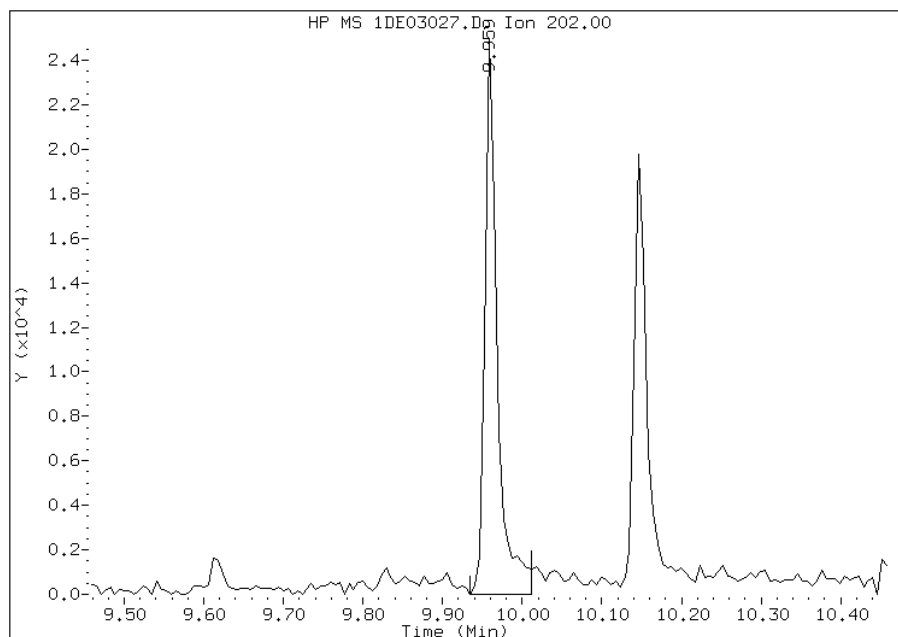
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMDS.i
Client ID: CV1145B-CS
Compound: 14 Fluoranthene
CAS #: 206-44-0
Report Date: 05/06/2013

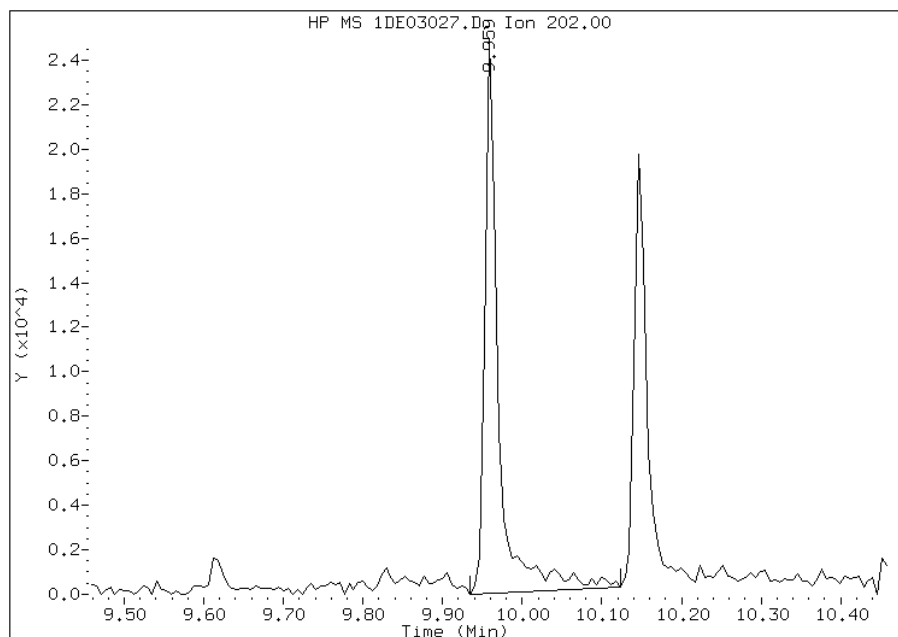
Processing Integration Results

RT: 9.96
Response: 26801
Amount: 1
Conc: 52



Manual Integration Results

RT: 9.96
Response: 29795
Amount: 1
Conc: 58



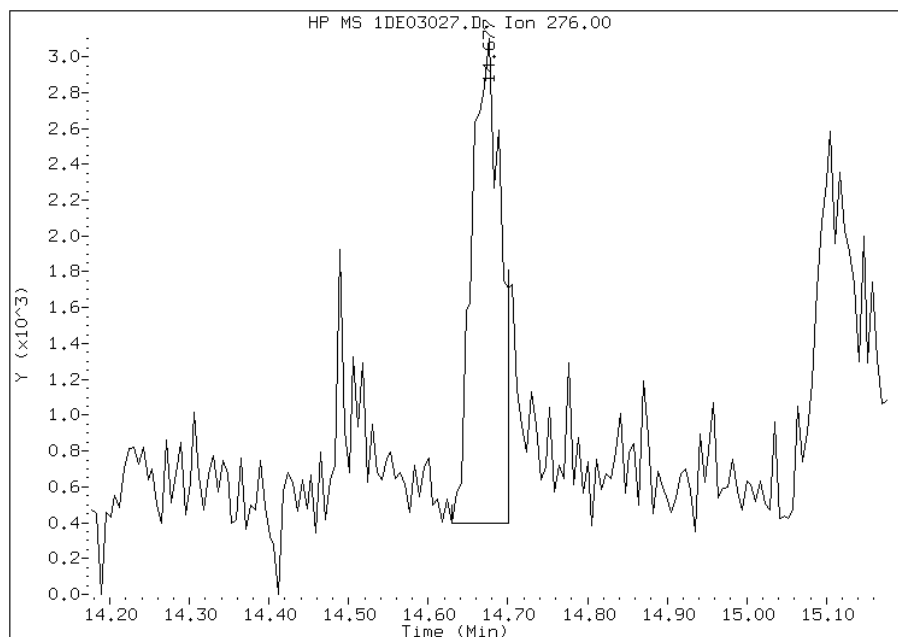
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMSD.i
Client ID: CV1145B-CS
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

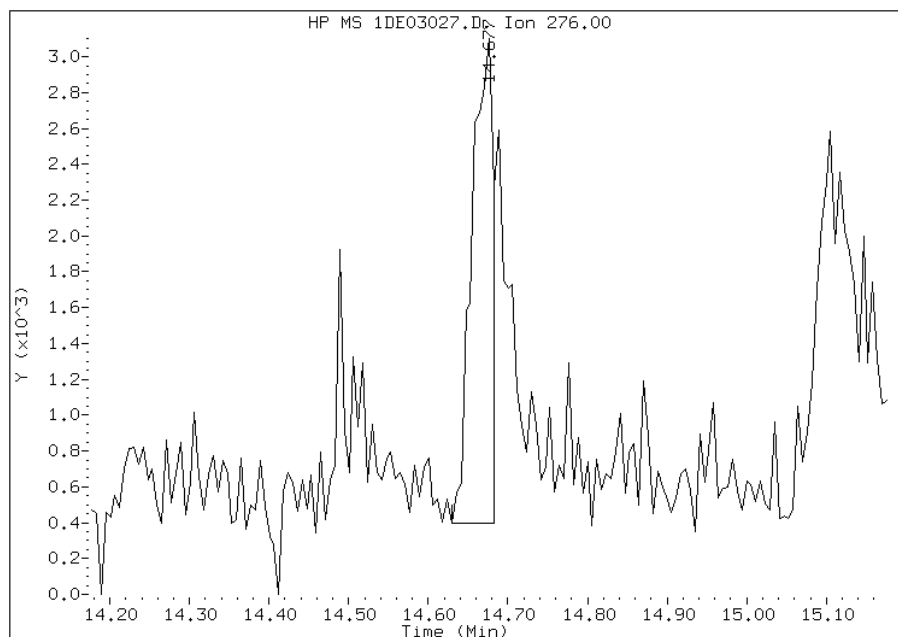
Processing Integration Results

RT: 14.68
Response: 6766
Amount: 0
Conc: 14



Manual Integration Results

RT: 14.68
Response: 5055
Amount: 0
Conc: 10



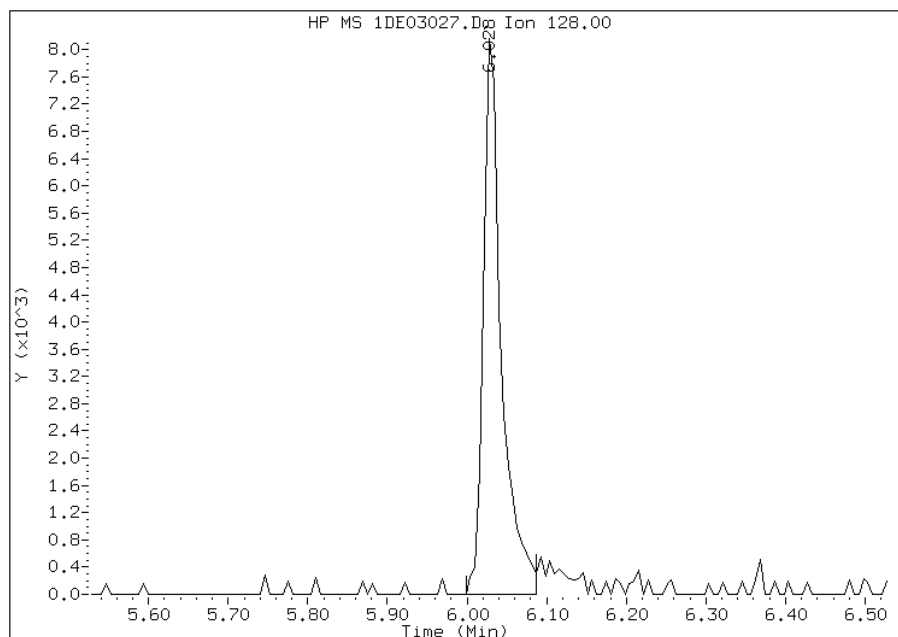
Manually Integrated By: cantins
Modification Date: 06-May-2013 17:05
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03027.D
Inj. Date and Time: 03-MAY-2013 19:45
Instrument ID: BSMSD.i
Client ID: CV1145B-CS
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

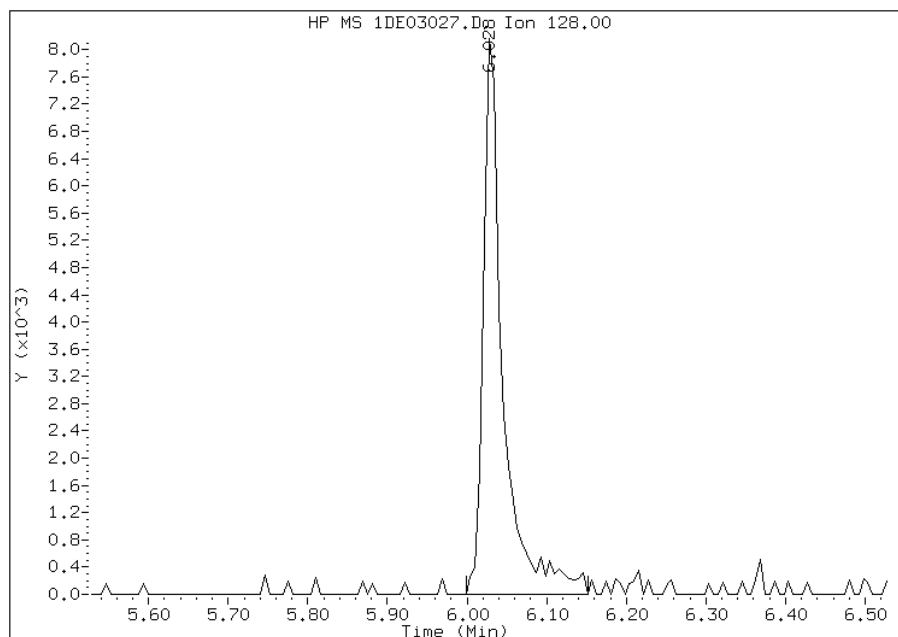
Processing Integration Results

RT: 6.03
Response: 12912
Amount: 0
Conc: 32



Manual Integration Results

RT: 6.03
Response: 14071
Amount: 0
Conc: 35



Manually Integrated By: cantins
Modification Date: 06-May-2013 17:02
Manual Integration Reason: Baseline Event

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136892

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136892/3	1AD26003.D
Level 2	IC 660-136892/4	1AD26004.D
Level 3	IC 660-136892/5	1AD26005.D
Level 4	IC 660-136892/6	1AD26006.D
Level 5	ICIS 660-136892/7	1AD26007.D
Level 6	IC 660-136892/8	1AD26008.D
Level 7	IC 660-136892/9	1AD26009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Naphthalene	0.9807 0.9678	1.0732 0.8900	1.0807	1.0246	0.9825	Ave	0.9999			0.0000	6.6		15.0				
2-Methylnaphthalene	0.5475 0.5304	0.6500 0.4770	0.6525	0.5874	0.5679	Ave	0.5733			0.0000	11.1		15.0				
1-Methylnaphthalene	0.6553 0.5728	0.7316 0.5089	0.7301	0.6482	0.5991	Ave	0.6351			0.0000	12.9		15.0				
Acenaphthylene	2.3664 2.1362	2.6542 1.8462	2.6916	2.4314	2.2380	Ave	2.3377			0.0000	12.7		15.0				
Acenaphthene	1.4118 1.1125	1.4011 0.9341	1.3816	1.2190	1.1215	Ave	1.2260			0.0000	14.8		15.0				
Fluorene	1.5097 1.3767	1.6462 1.1794	1.6636	1.5206	1.4287	Ave	1.4750			0.0000	11.3		15.0				
Phenanthrene	1.3907 1.0142	1.2926 0.9287	1.2725	1.1400	1.0724	Ave	1.1587			0.0000	14.4		15.0				
Anthracene	1.3104 1.0706	1.3619 0.9491	1.3564	1.2393	1.1461	Ave	1.2048			0.0000	13.0		15.0				
Carbazole	1.1993 1.0651	1.2721 1.0036	1.3075	1.1642	1.1242	Ave	1.1623			0.0000	9.3		15.0				
Fluoranthene	1.3009 1.2420	1.4074 1.1640	1.5310	1.3979	1.3252	Ave	1.3383			0.0000	9.0		15.0				
Pyrene	1.4167 1.4769	1.6244 1.4080	1.6725	1.5706	1.5132	Ave	1.5260			0.0000	6.6		15.0				
Benzo[a]anthracene	1.5532 1.2283	1.2438 1.3069	1.3074	1.2316	1.2729	Ave	1.3063			0.0000	8.7		15.0				
Chrysene	1.5597 1.2058	1.4759 1.1272	1.3919	1.3009	1.2153	Ave	1.3253			0.0000	11.9		15.0				
Benzo[b]fluoranthene	1.0058 1.1221	1.2872 1.1499	1.3036	1.2968	1.3352	Ave	1.2144			0.0000	10.1		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136892
 SDG No.: 68089791-3
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N
 Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Benzo[k]fluoranthene	1.5807 1.2951	1.4811 1.1583	1.6305	1.3756	1.2523	Ave		1.3962			0.0000	12.5		15.0			
Benzo[a]pyrene	1.0264 1.1766	1.1712 1.1154	1.3812	1.3107	1.2749	Ave		1.2081			0.0000	10.1		15.0			
Indeno[1,2,3-cd]pyrene	0.9109 1.1772	1.0019 1.2427	1.2020	1.2085	1.2416	Ave		1.1407			0.0000	11.4		15.0			
Dibenz(a,h)anthracene	0.8117 1.0574	1.0829 1.0146	1.2099	1.1482	1.1048	Ave		1.0613			0.0000	11.9		15.0			
Benzo[g,h,i]perylene	1.1500 1.2201	1.3387 1.2159	1.4017	1.3373	1.2727	Ave		1.2766			0.0000	6.9		15.0			
o-Terphenyl	0.7073 0.5831	0.7372 0.5170	0.7524	0.6639	0.6189	Ave		0.6543			0.0000	13.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa

Job No.: 680-89791-3

Analy Batch No.: 136892

SDG No.: 68089791-3

Instrument ID: BSMA5973

GC Column: DB-5MS

ID: 250 (um)

Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03

Calibration End Date: 04/26/2013 11:34

Calibration ID: 2919

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136892/3	1AD26003.D
Level 2	IC 660-136892/4	1AD26004.D
Level 3	IC 660-136892/5	1AD26005.D
Level 4	IC 660-136892/6	1AD26006.D
Level 5	ICIS 660-136892/7	1AD26007.D
Level 6	IC 660-136892/8	1AD26008.D
Level 7	IC 660-136892/9	1AD26009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	11316 1510520	61217 2445644	320082	595222	1158716	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Ave	6318 827941	37078 1310841	193264	341254	669822	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	7562 894050	41731 1398370	216239	376560	706538	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	12402 1556064	68056 2504346	366926	648059	1265667	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	7399 810394	35926 1267057	188346	324917	634267	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	7912 1002855	42211 1599840	226787	405299	807968	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Ave	12552 1299367	56771 2139281	300982	533287	1040972	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	11827 1371502	59817 2186210	320832	579771	1112517	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	10825 1364561	55869 2311786	309273	544612	1091227	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	11742 1591115	61813 2681447	362121	653973	1286350	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	12588 1716784	69806 2760027	387490	693219	1367080	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	Ave	13801 1427778	53450 2561817	302918	543586	1149947	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	13859 1401601	63425 2209729	322491	574179	1097962	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	9306 1402018	56273 2501570	315397	597877	1243307	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	14625 1618107	64750 2519945	394484	634191	1166129	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136892

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/26/2013 10:03 Calibration End Date: 04/26/2013 11:34 Calibration ID: 2919

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Benzo[a]pyrene	PRY	Ave	9497 1470103	51202 2426657	334183	604286	1187145	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	8428 1470861	43801 2703546	290809	557142	1156108	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	7510 1321140	47341 2207196	292736	529334	1028761	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	10640 1524482	58526 2645132	339141	616524	1185137	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Ave	6384 747046	32378 1190919	177967	310562	600782	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26003.D
 Lab Smp Id: IC-1531396
 Inj Date : 26-APR-2013 10:03
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:03 Cal File: 1AD26007.D
 Als bottle: 3 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		2.578	2.580	(1.000)	2307813	40.0000	
* 6 Acenaphthene-d10	164		3.609	3.606	(1.000)	1048180	40.0000	
* 10 Phenanthrene-d10	188		4.560	4.562	(1.000)	1805166	40.0000	
\$ 14 o-Terphenyl	230		4.859	4.861	(1.066)	6384	0.20000	0.1909
* 18 Chrysene-d12	240		6.579	6.581	(1.000)	1777148	40.0000	
* 23 Perylene-d12	264		7.664	7.666	(1.000)	1850467	40.0000	
2 Naphthalene	128		2.589	2.591	(1.004)	11316	0.20000	0.2368
3 2-Methylnaphthalene	141		2.995	2.997	(1.162)	6318	0.20000	0.2274
4 1-Methylnaphthalene	142		3.048	3.050	(1.182)	7562	0.20000	0.1607
5 Acenaphthylene	152		3.518	3.520	(0.975)	12402	0.20000	0.3039
7 Acenaphthene	154		3.625	3.627	(1.004)	7399	0.20000	0.4114
9 Fluorene	166		3.935	3.942	(1.090)	7912	0.20000	0.4114
11 Phenanthrene	178		4.571	4.578	(1.002)	12552	0.20000	0.1032
12 Anthracene	178		4.603	4.610	(1.009)	11827	0.20000	0.2150
13 Carbazole	167		4.731	4.738	(1.037)	10825	0.20000	0.0501
15 Fluoranthene	202		5.436	5.438	(1.192)	11742	0.20000	0.0685
16 Pyrene	202		5.602	5.604	(0.851)	12588	0.20000	0.1856
17 Benzo(a)anthracene	228		6.569	6.565	(0.998)	13801	0.20000	0.2377
19 Chrysene	228		6.590	6.597	(1.002)	13859	0.20000	0.2353
20 Benzo(b)fluoranthene	252		7.381	7.388	(0.963)	9306	0.20000	0.1656
21 Benzo(k)fluoranthene	252		7.397	7.409	(0.965)	14625	0.20000	0.2264(M)
22 Benzo(a)pyrene	252		7.605	7.612	(0.992)	9497	0.20000	-0.7697(a)
24 Indeno(1,2,3-cd)pyrene	276		8.417	8.430	(1.098)	8428	0.20000	0.3771(M)
25 Dibenzo(a,h)anthracene	278		8.444	8.457	(1.102)	7510	0.20000	0.1529
26 Benzo(g,h,i)perylene	276		8.631	8.654	(1.126)	10640	0.20000	0.1801(M)

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: 1AD26003.D

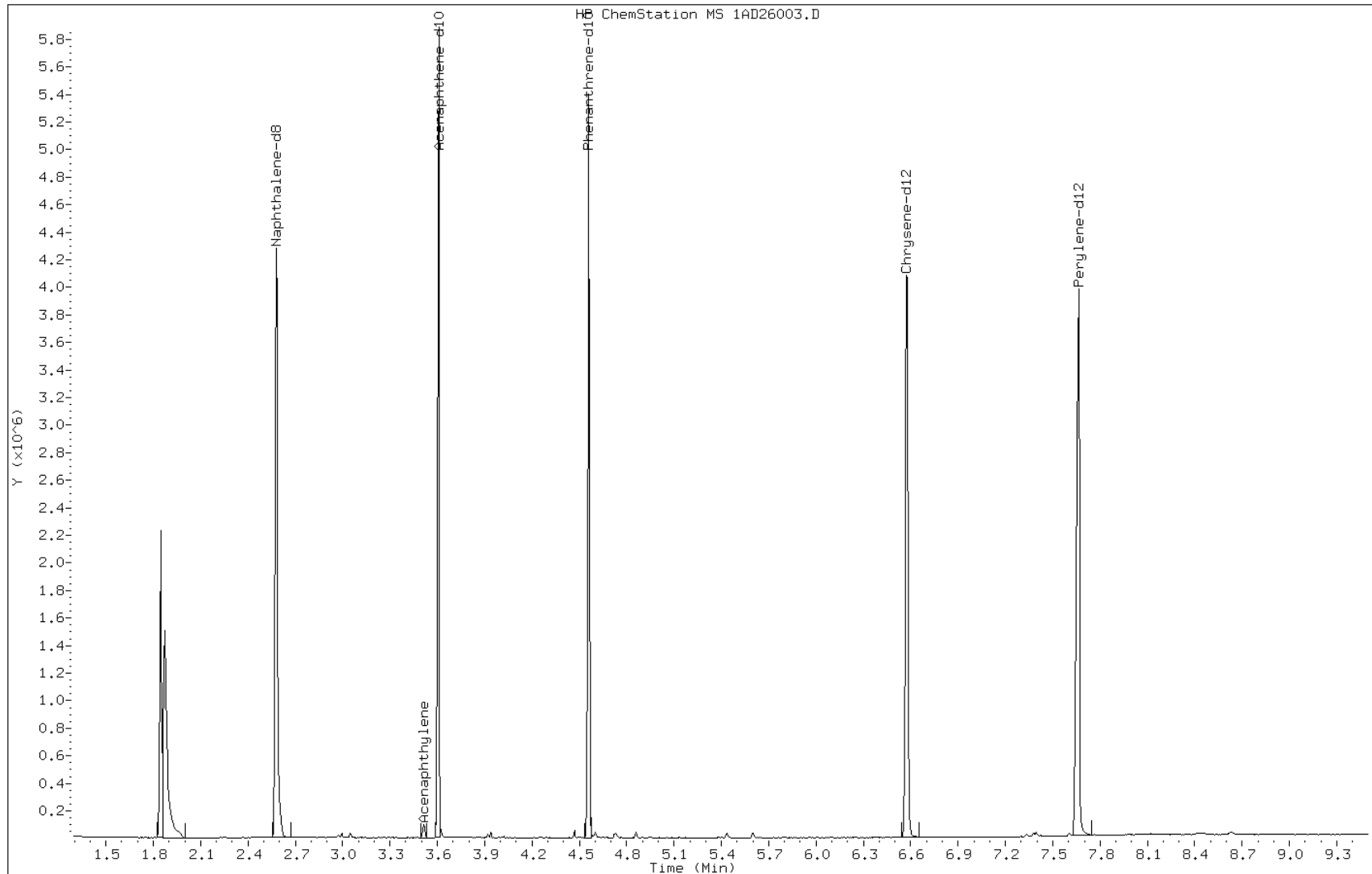
Date: 26-APR-2013 10:03

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531396

Operator: SCC

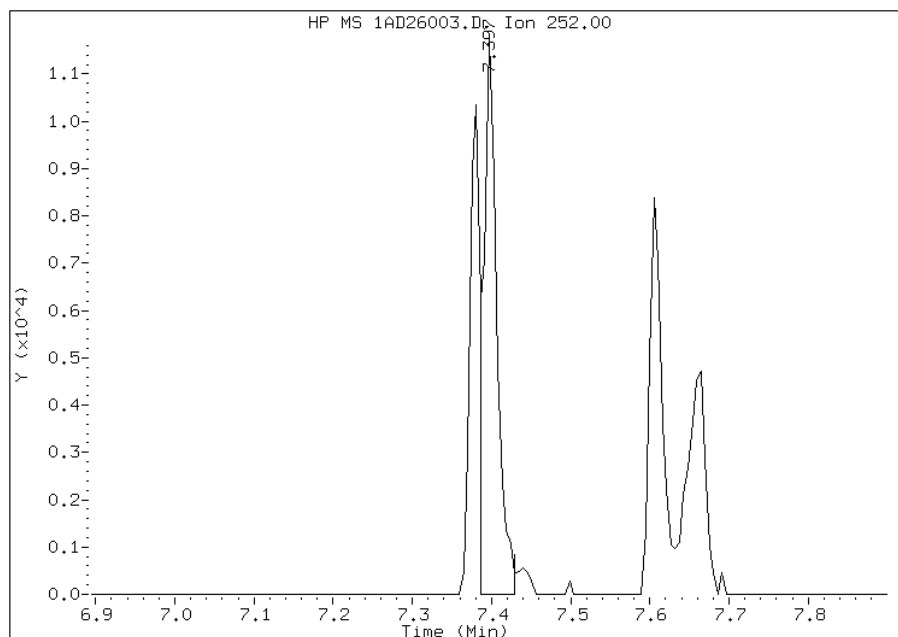


Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

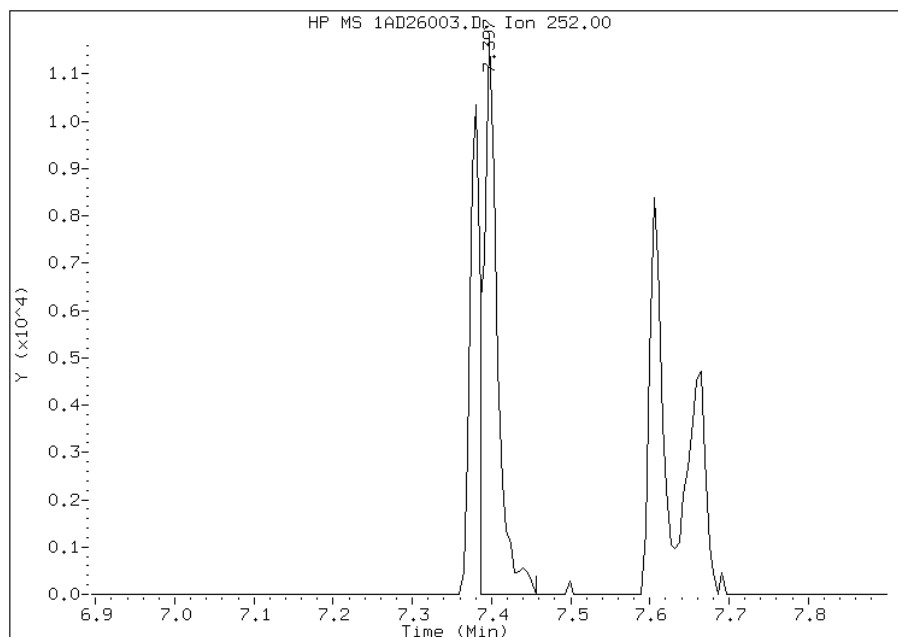
Processing Integration Results

RT: 7.40
Response: 14089
Amount: 0
Conc: 0



Manual Integration Results

RT: 7.40
Response: 14625
Amount: 0
Conc: 0



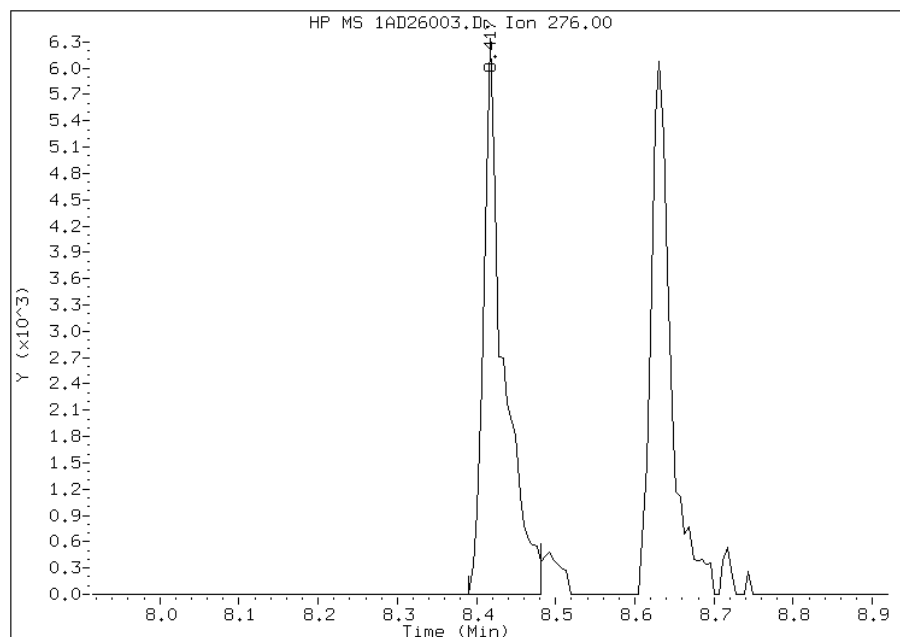
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

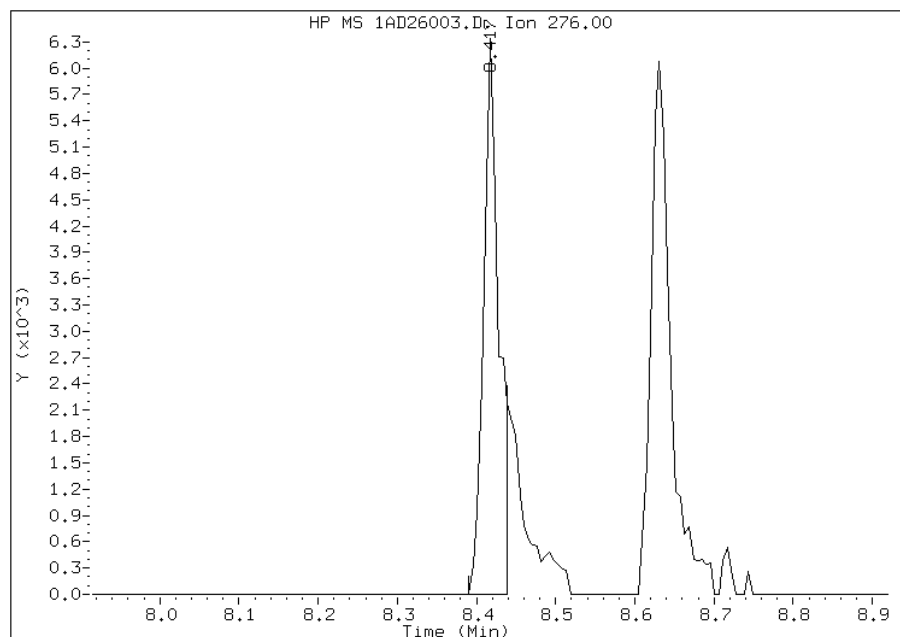
Processing Integration Results

RT: 8.42
Response: 10930
Amount: 0
Conc: 0



Manual Integration Results

RT: 8.42
Response: 8428
Amount: 0
Conc: 0



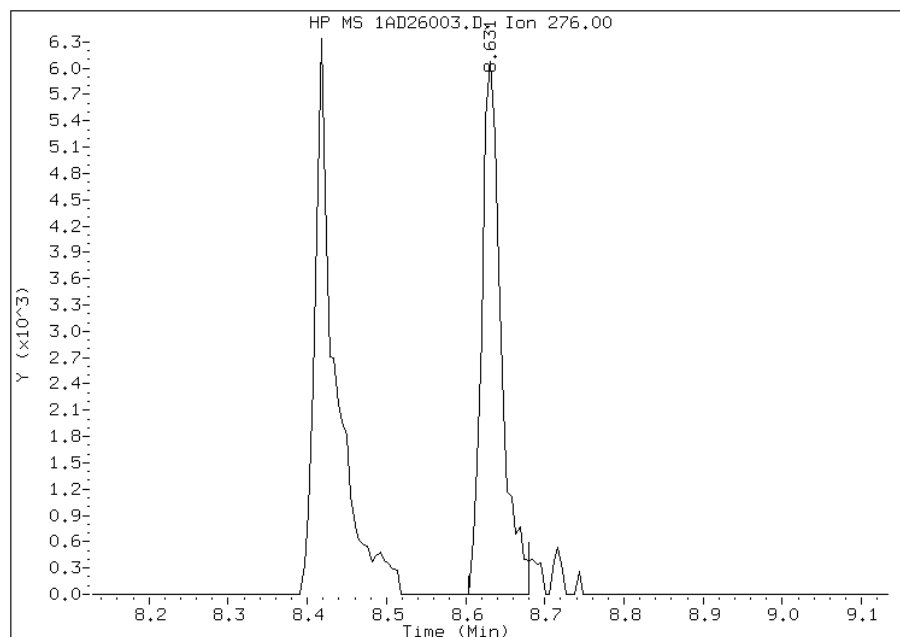
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD26003.D
Inj. Date and Time: 26-APR-2013 10:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

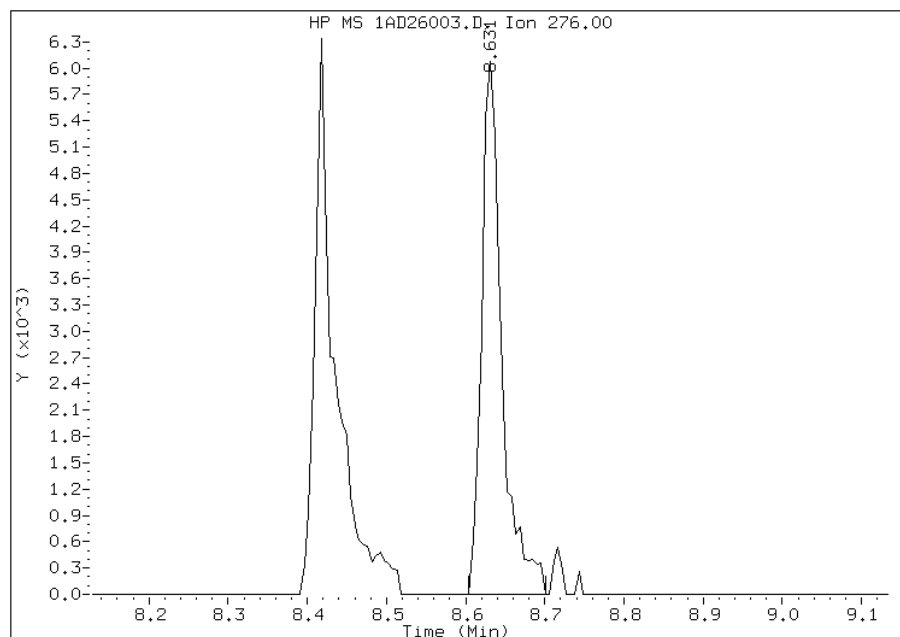
Processing Integration Results

RT: 8.63
Response: 10297
Amount: 0
Conc: 0



Manual Integration Results

RT: 8.63
Response: 10640
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\1AD26004.D
 Lab Smp Id: IC-1531398
 Inj Date : 26-APR-2013 10:18
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:03 Cal File: 1AD26003.D
 Als bottle: 4 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.581	2.580	(1.000)	2281622	40.0000	
* 6 Acenaphthene-d10	164	3.607	3.606	(1.000)	1025638	40.0000	
* 10 Phenanthrene-d10	188	4.558	4.562	(1.000)	1756807	40.0000	
\$ 14 o-Terphenyl	230	4.857	4.861	(1.066)	32378	1.00000	0.9805
* 18 Chrysene-d12	240	6.577	6.581	(1.000)	1718926	40.0000	
* 23 Perylene-d12	264	7.656	7.666	(1.000)	1748681	40.0000	
2 Naphthalene	128	2.592	2.591	(1.004)	61217	1.00000	1.0359
3 2-Methylnaphthalene	141	2.993	2.997	(1.159)	37078	1.00000	1.0345
4 1-Methylnaphthalene	142	3.051	3.050	(1.182)	41731	1.00000	0.9917
5 Acenaphthylene	152	3.516	3.520	(0.975)	68056	1.00000	1.0573
7 Acenaphthene	154	3.623	3.627	(1.004)	35926	1.00000	1.1516
9 Fluorene	166	3.938	3.942	(1.092)	42211	1.00000	1.1307
11 Phenanthrene	178	4.574	4.578	(1.004)	56771	1.00000	0.9390
12 Anthracene	178	4.606	4.610	(1.011)	59817	1.00000	0.9961
13 Carbazole	167	4.734	4.738	(1.039)	55869	1.00000	0.9041
15 Fluoranthene	202	5.434	5.438	(1.192)	61813	1.00000	0.8589
16 Pyrene	202	5.600	5.604	(0.851)	69806	1.00000	1.0644
17 Benzo(a)anthracene	228	6.561	6.565	(0.998)	53450	1.00000	0.9521
19 Chrysene	228	6.588	6.597	(1.002)	63425	1.00000	1.1136
20 Benzo(b)fluoranthene	252	7.379	7.388	(0.964)	56273	1.00000	1.0599
21 Benzo(k)fluoranthene	252	7.400	7.409	(0.967)	64750	1.00000	1.0607(M)
22 Benzo(a)pyrene	252	7.603	7.612	(0.993)	51202	1.00000	0.0904
24 Indeno(1,2,3-cd)pyrene	276	8.410	8.430	(1.098)	43801	1.00000	1.0407(M)
25 Dibenzo(a,h)anthracene	278	8.436	8.457	(1.102)	47341	1.00000	1.0203(M)
26 Benzo(g,h,i)perylene	276	8.623	8.654	(1.126)	58526	1.00000	1.0486(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26004.D

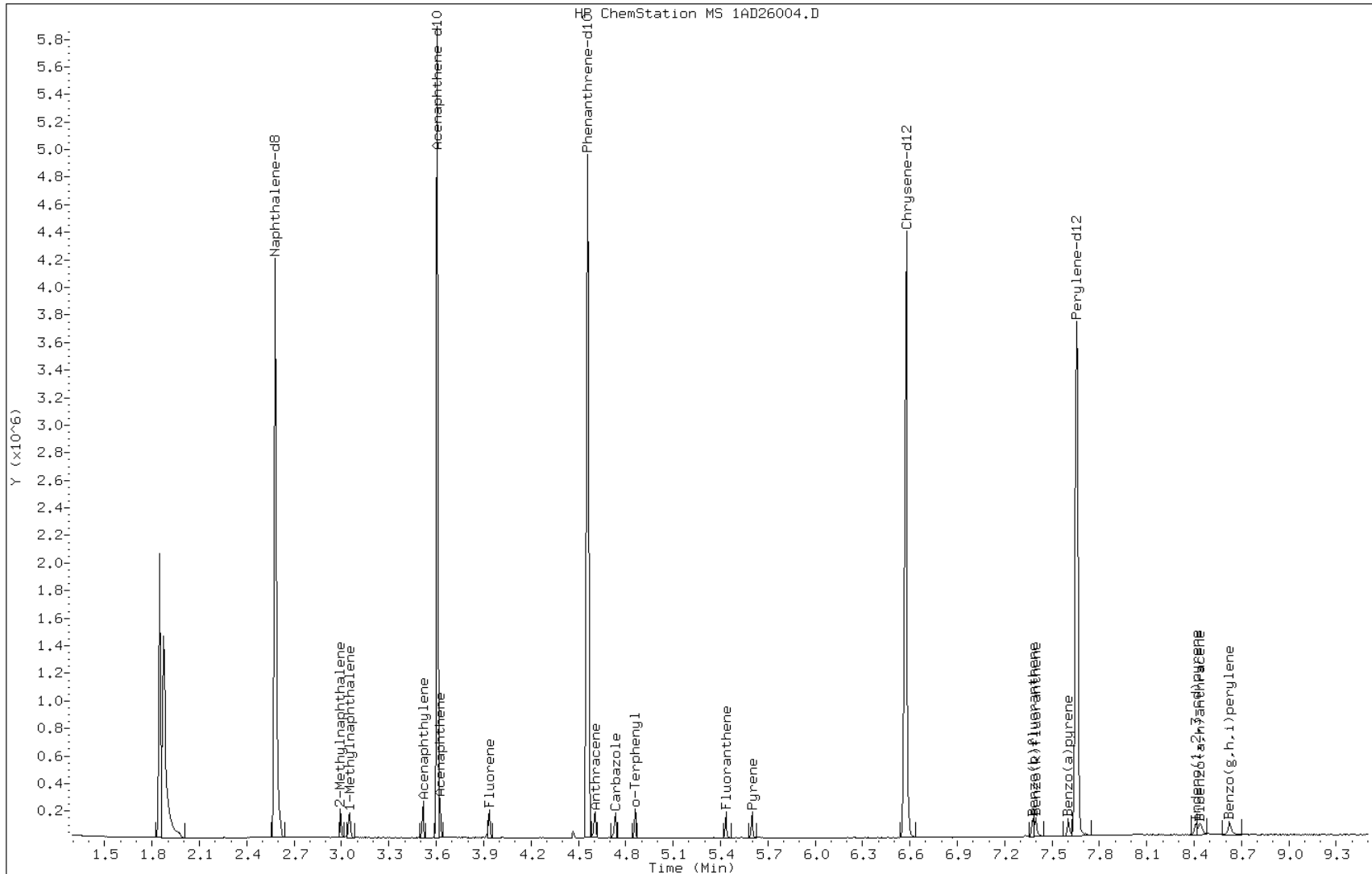
Date: 26-APR-2013 10:18

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531398

Operator: SCC

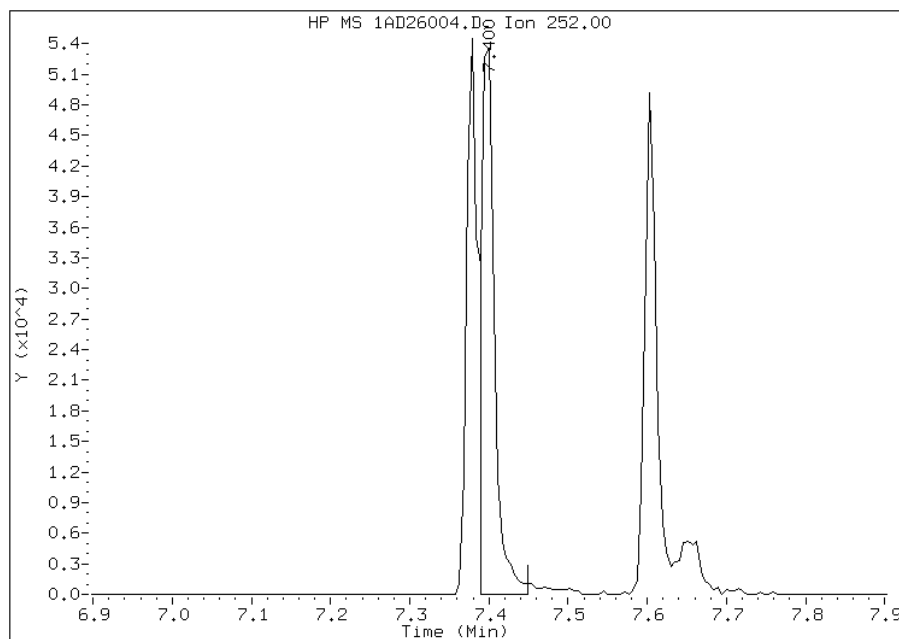


Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

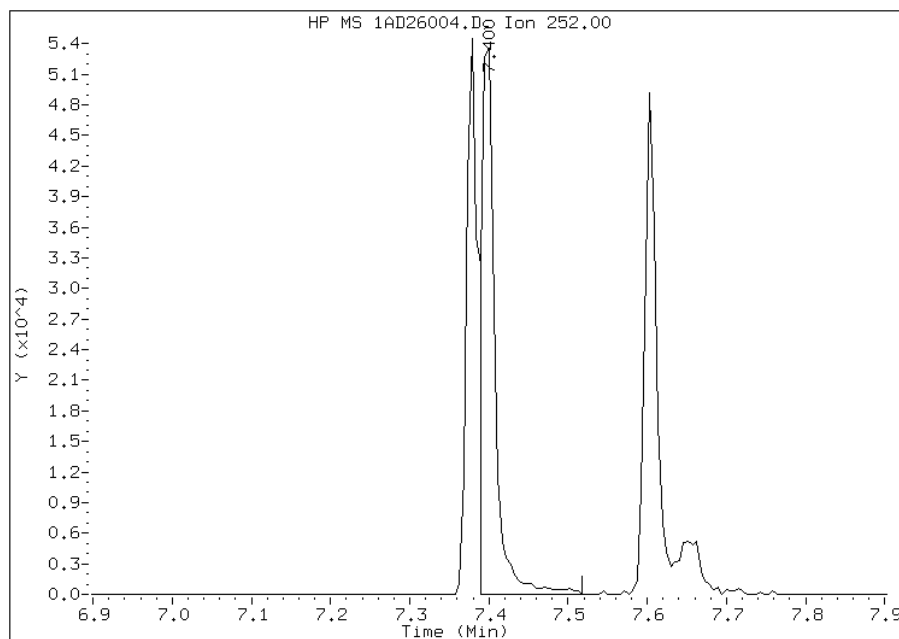
Processing Integration Results

RT: 7.40
Response: 62638
Amount: 1
Conc: 1



Manual Integration Results

RT: 7.40
Response: 64750
Amount: 1
Conc: 1



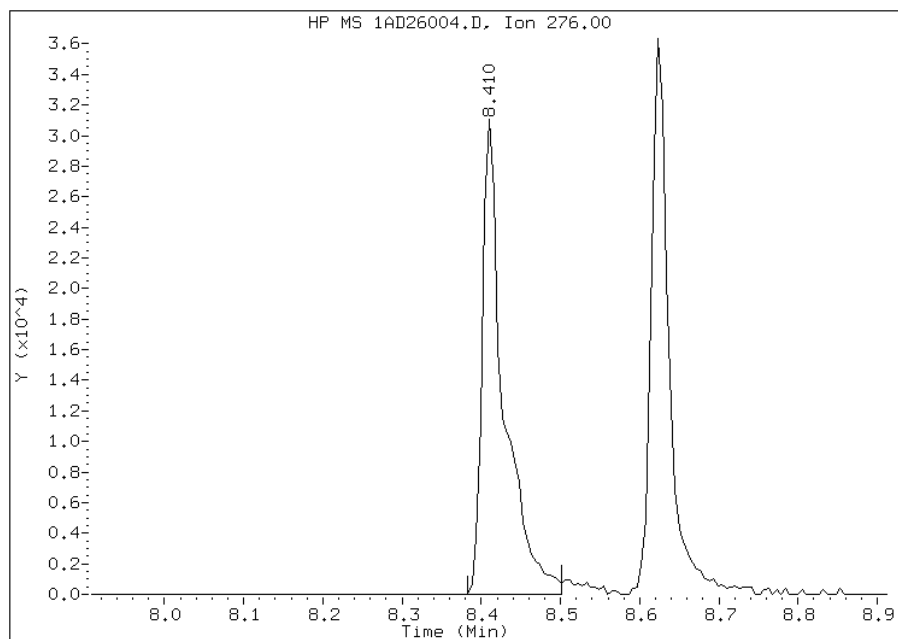
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:51
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/26/2013

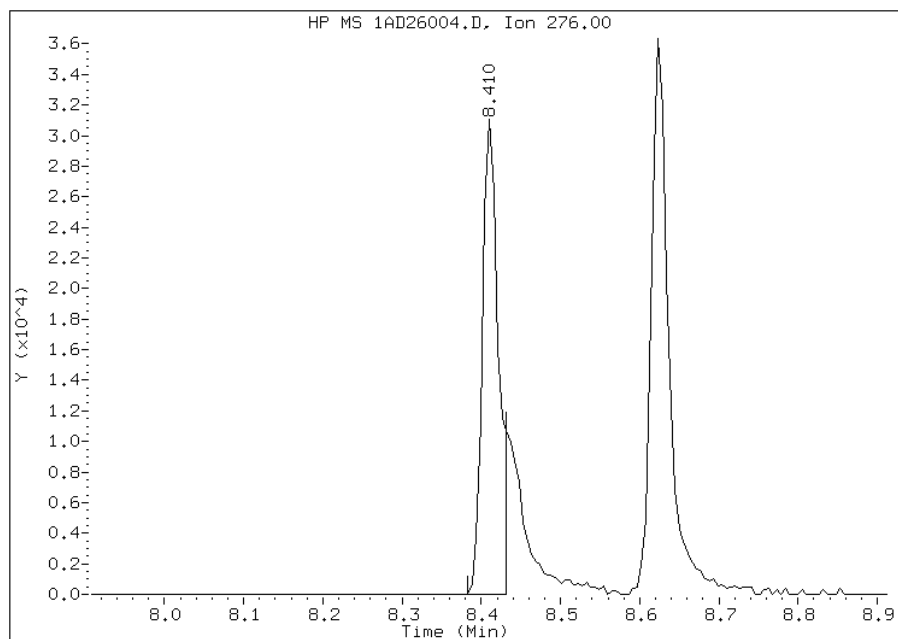
Processing Integration Results

RT: 8.41
Response: 58698
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.41
Response: 43801
Amount: 1
Conc: 1



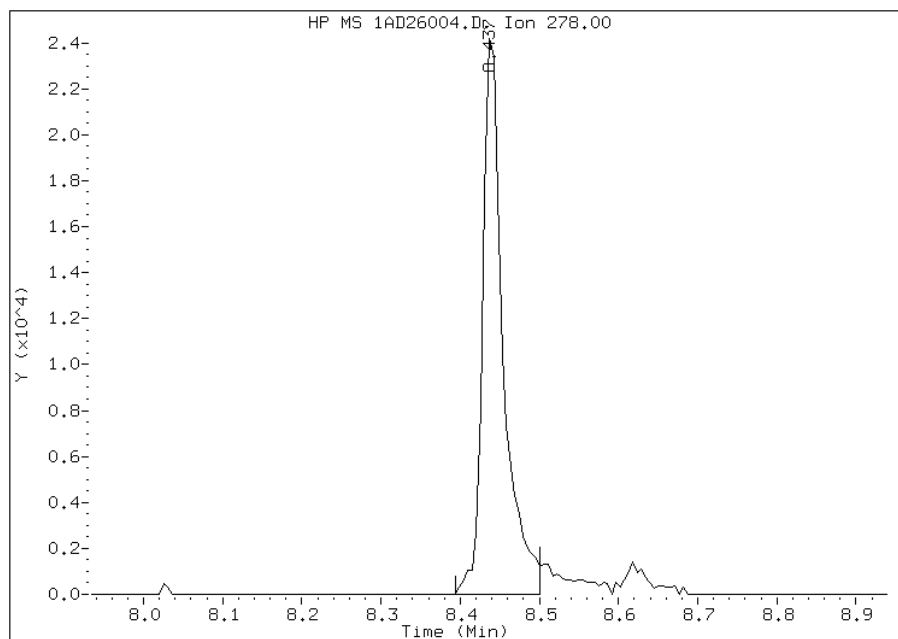
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

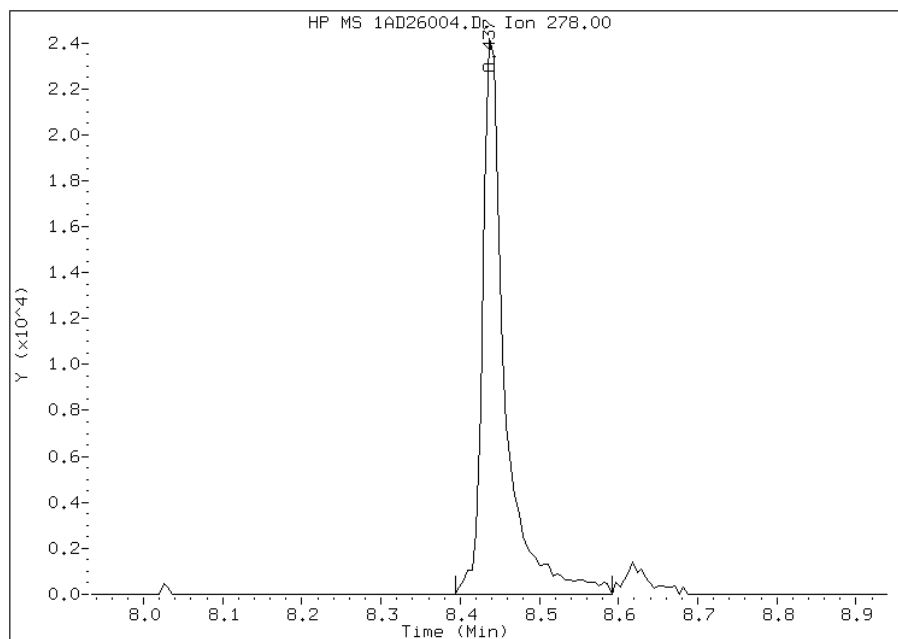
Processing Integration Results

RT: 8.44
Response: 43759
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.44
Response: 47341
Amount: 1
Conc: 1



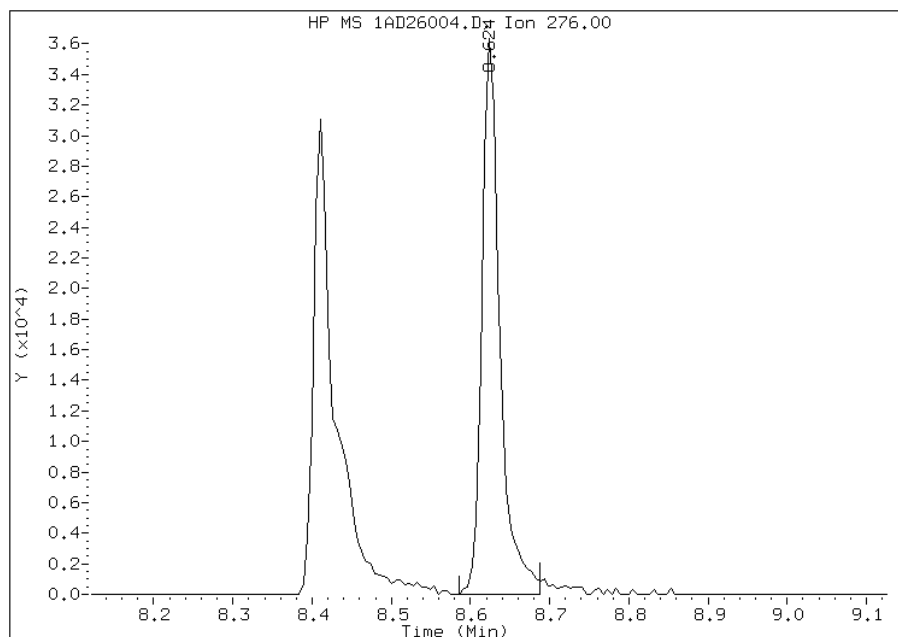
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26004.D
Inj. Date and Time: 26-APR-2013 10:18
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

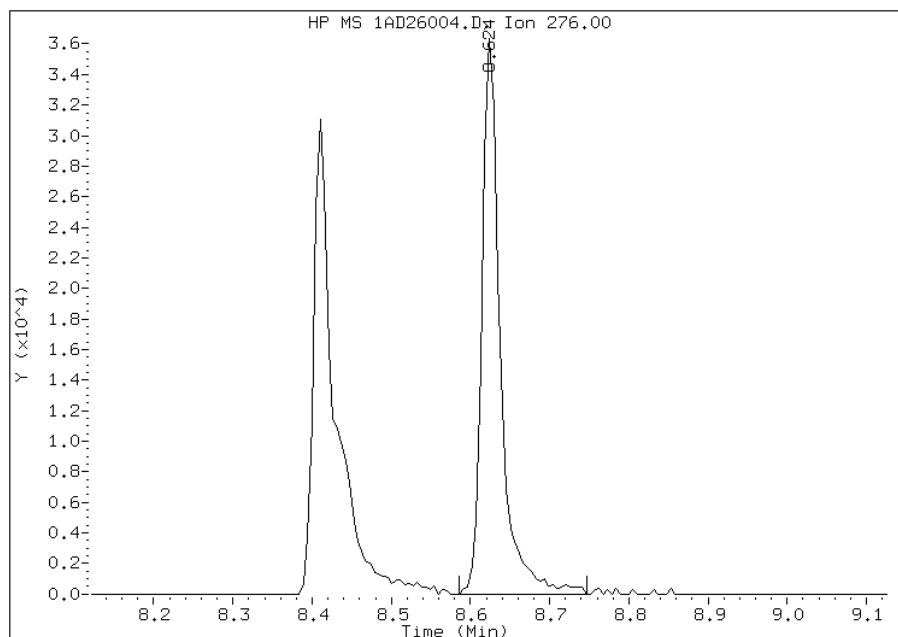
Processing Integration Results

RT: 8.62
Response: 56611
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.62
Response: 58526
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:52
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26005.D
 Lab Smp Id: IC-1531399
 Inj Date : 26-APR-2013 10:33
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:18 Cal File: 1AD26004.D
 Als bottle: 5 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.576	2.580	(1.000)	2369530	40.0000	
* 6 Acenaphthene-d10	164	3.607	3.606	(1.000)	1090579	40.0000	
* 10 Phenanthrene-d10	188	4.558	4.562	(1.000)	1892246	40.0000	
\$ 14 o-Terphenyl	230	4.862	4.861	(1.067)	177967	5.00000	5.2550
* 18 Chrysene-d12	240	6.577	6.581	(1.000)	1853494	40.0000	
* 23 Perylene-d12	264	7.662	7.666	(1.000)	1935554	40.0000	
2 Naphthalene	128	2.592	2.591	(1.006)	320082	5.00000	5.0894
3 2-Methylnaphthalene	141	2.993	2.997	(1.162)	193264	5.00000	5.1484
4 1-Methylnaphthalene	142	3.051	3.050	(1.185)	216239	5.00000	5.2724
5 Acenaphthylene	152	3.516	3.520	(0.975)	366926	5.00000	5.0915
7 Acenaphthene	154	3.623	3.627	(1.004)	188346	5.00000	5.1131
9 Fluorene	166	3.938	3.942	(1.092)	226787	5.00000	4.9845
11 Phenanthrene	178	4.574	4.578	(1.004)	300982	5.00000	5.2917
12 Anthracene	178	4.606	4.610	(1.011)	320832	5.00000	5.1089
13 Carbazole	167	4.734	4.738	(1.039)	309273	5.00000	5.3789
15 Fluoranthene	202	5.434	5.438	(1.192)	362121	5.00000	5.3053
16 Pyrene	202	5.600	5.604	(0.851)	387490	5.00000	5.4798
17 Benzo(a)anthracene	228	6.566	6.565	(0.998)	302918	5.00000	5.0044
19 Chrysene	228	6.593	6.597	(1.002)	322491	5.00000	5.2515
20 Benzo(b)fluoranthene	252	7.378	7.388	(0.963)	315397	5.00000	5.3673
21 Benzo(k)fluoranthene	252	7.400	7.409	(0.966)	394484	5.00000	5.8388
22 Benzo(a)pyrene	252	7.608	7.612	(0.993)	334183	5.00000	5.1981
24 Indeno(1,2,3-cd)pyrene	276	8.420	8.430	(1.099)	290809	5.00000	5.0945
25 Dibenzo(a,h)anthracene	278	8.447	8.457	(1.102)	292736	5.00000	5.6999(M)
26 Benzo(g,h,i)perylene	276	8.634	8.654	(1.127)	339141	5.00000	5.4899(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26005.D

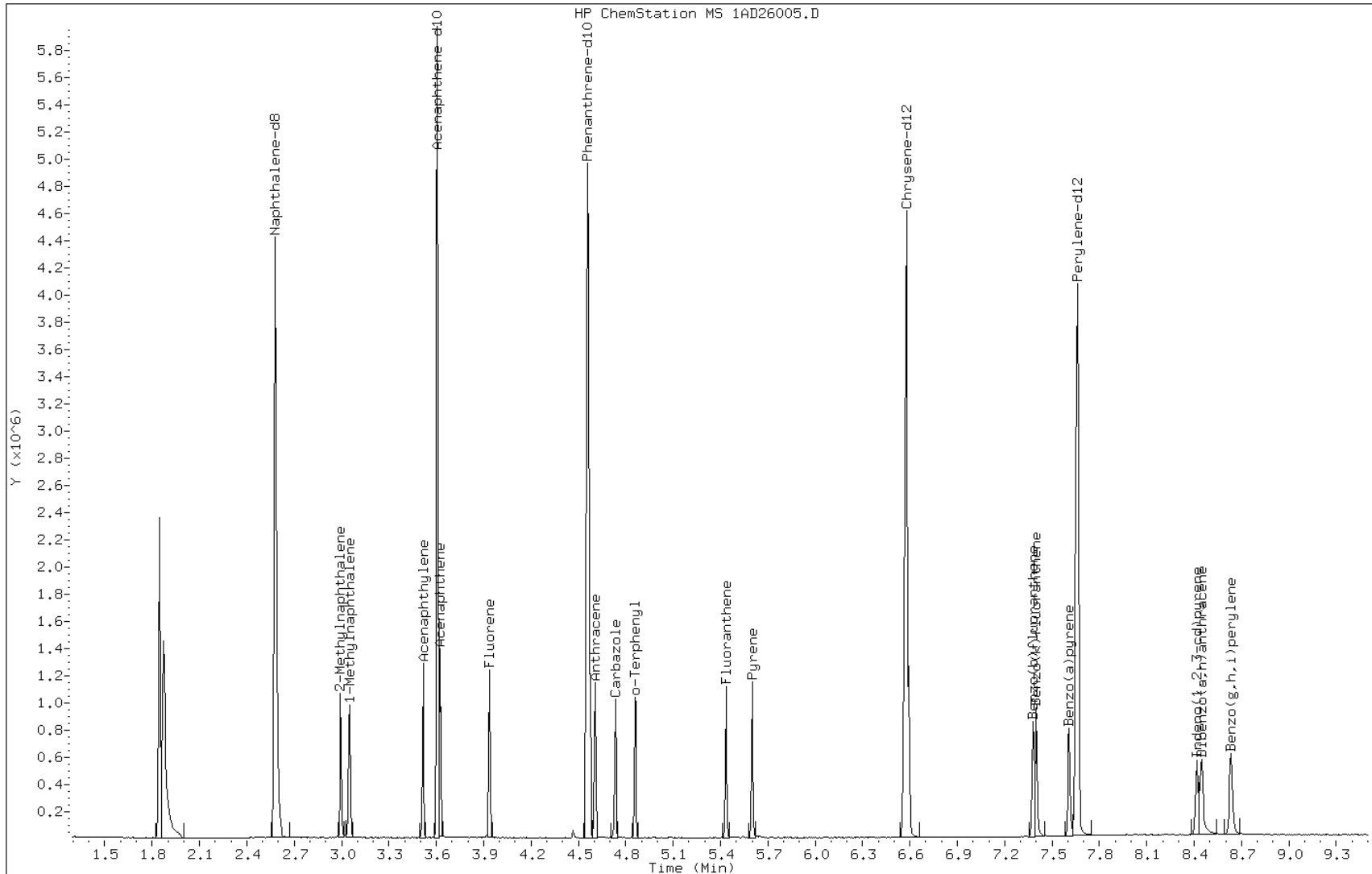
Date: 26-APR-2013 10:33

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531399

Operator: SCC

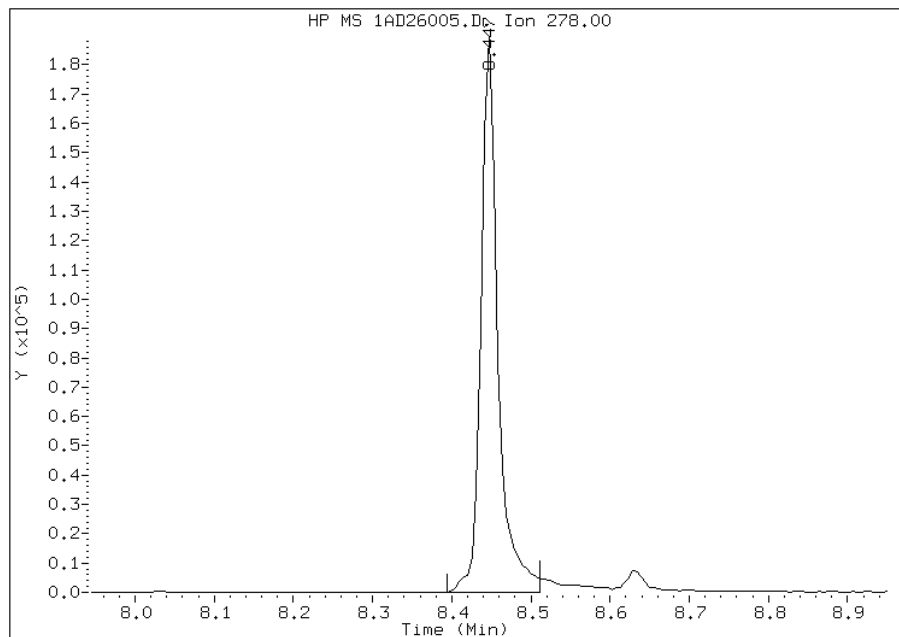


Manual Integration Report

Data File: 1AD26005.D
Inj. Date and Time: 26-APR-2013 10:33
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

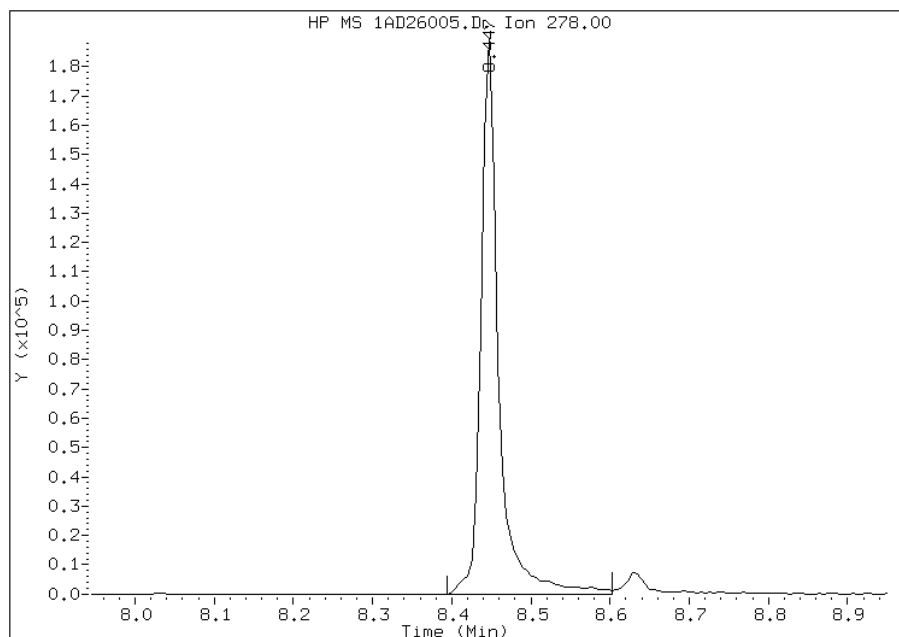
Processing Integration Results

RT: 8.45
Response: 277866
Amount: 6
Conc: 6



Manual Integration Results

RT: 8.45
Response: 292736
Amount: 6
Conc: 6



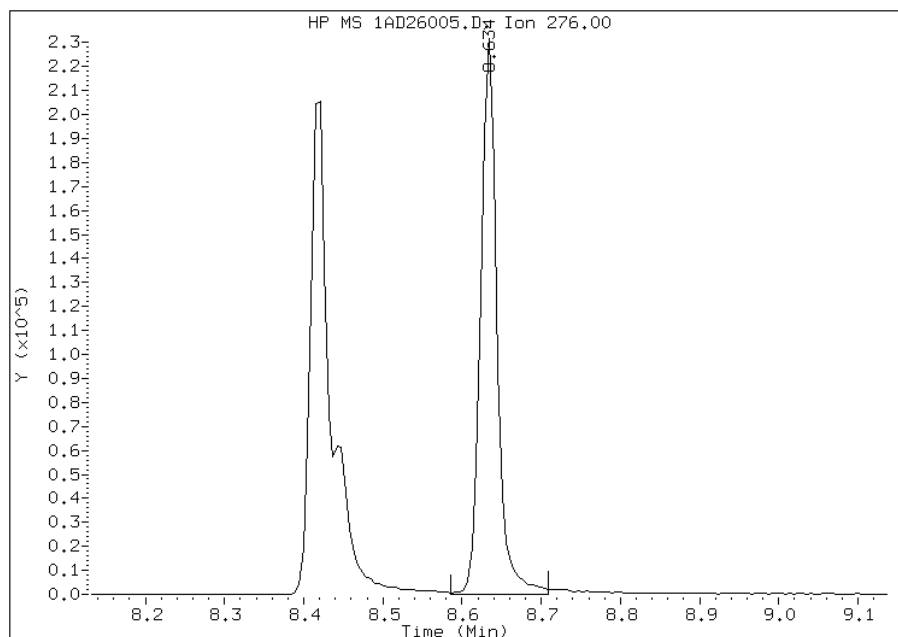
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:53
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26005.D
Inj. Date and Time: 26-APR-2013 10:33
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

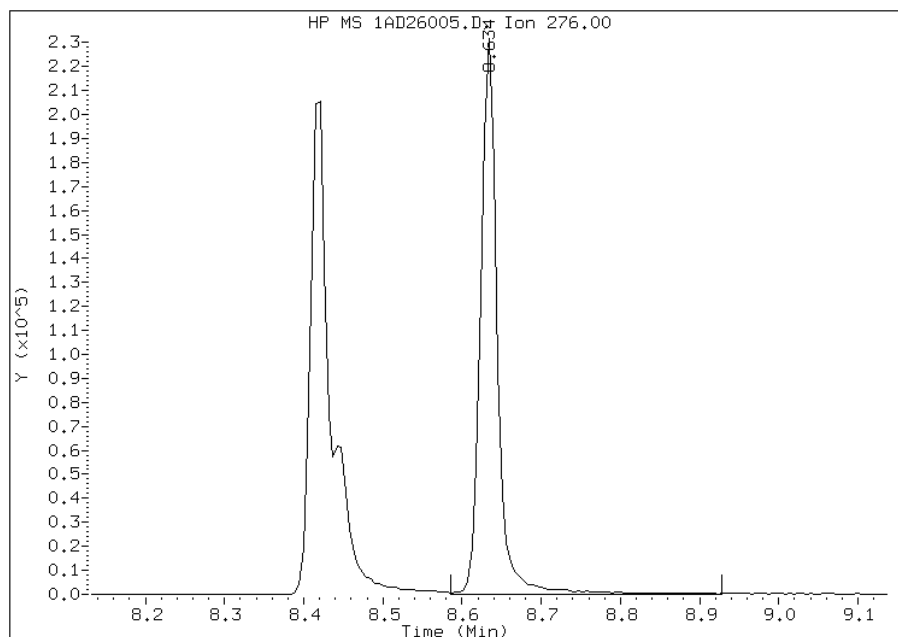
Processing Integration Results

RT: 8.63
Response: 328220
Amount: 5
Conc: 5



Manual Integration Results

RT: 8.63
Response: 339141
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:53
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\1AD26006.D
 Lab Smp Id: IC-1531400
 Inj Date : 26-APR-2013 10:48
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:33 Cal File: 1AD26005.D
 Als bottle: 6 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.581	2.580	(1.000)	2323692	40.0000	
* 6 Acenaphthene-d10	164	3.606	3.606	(1.000)	1066140	40.0000	
* 10 Phenanthrene-d10	188	4.563	4.562	(1.000)	1871240	40.0000	
\$ 14 o-Terphenyl	230	4.862	4.861	(1.066)	310562	10.0000	9.7321
* 18 Chrysene-d12	240	6.582	6.581	(1.000)	1765506	40.0000	
* 23 Perylene-d12	264	7.661	7.666	(1.000)	1844103	40.0000	
2 Naphthalene	128	2.591	2.591	(1.004)	595222	10.0000	9.8376
3 2-Methylnaphthalene	141	2.997	2.997	(1.161)	341254	10.0000	9.6150
4 1-Methylnaphthalene	142	3.051	3.050	(1.182)	376560	10.0000	9.8086
5 Acenaphthylene	152	3.515	3.520	(0.975)	648059	10.0000	9.6521
7 Acenaphthene	154	3.622	3.627	(1.004)	324917	10.0000	9.4098
9 Fluorene	166	3.937	3.942	(1.092)	405299	10.0000	9.4592
11 Phenanthrene	178	4.573	4.578	(1.002)	533287	10.0000	9.9071
12 Anthracene	178	4.605	4.610	(1.009)	579771	10.0000	9.8285
13 Carbazole	167	4.739	4.738	(1.039)	544612	10.0000	9.9049
15 Fluoranthene	202	5.439	5.438	(1.192)	653973	10.0000	10.0511
16 Pyrene	202	5.604	5.604	(0.851)	693219	10.0000	10.2919
17 Benzo(a)anthracene	228	6.566	6.565	(0.998)	543586	10.0000	9.4280
19 Chrysene	228	6.598	6.597	(1.002)	574179	10.0000	9.8161
20 Benzo(b)fluoranthene	252	7.383	7.388	(0.964)	597877	10.0000	10.6790
21 Benzo(k)fluoranthene	252	7.405	7.409	(0.967)	634191	10.0000	9.8523
22 Benzo(a)pyrene	252	7.608	7.612	(0.993)	604286	10.0000	10.7211
24 Indeno(1,2,3-cd)pyrene	276	8.420	8.430	(1.099)	557142	10.0000	10.0121
25 Dibenzo(a,h)anthracene	278	8.446	8.457	(1.103)	529334	10.0000	10.8180(M)
26 Benzo(g,h,i)perylene	276	8.639	8.654	(1.128)	616524	10.0000	10.4750(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26006.D

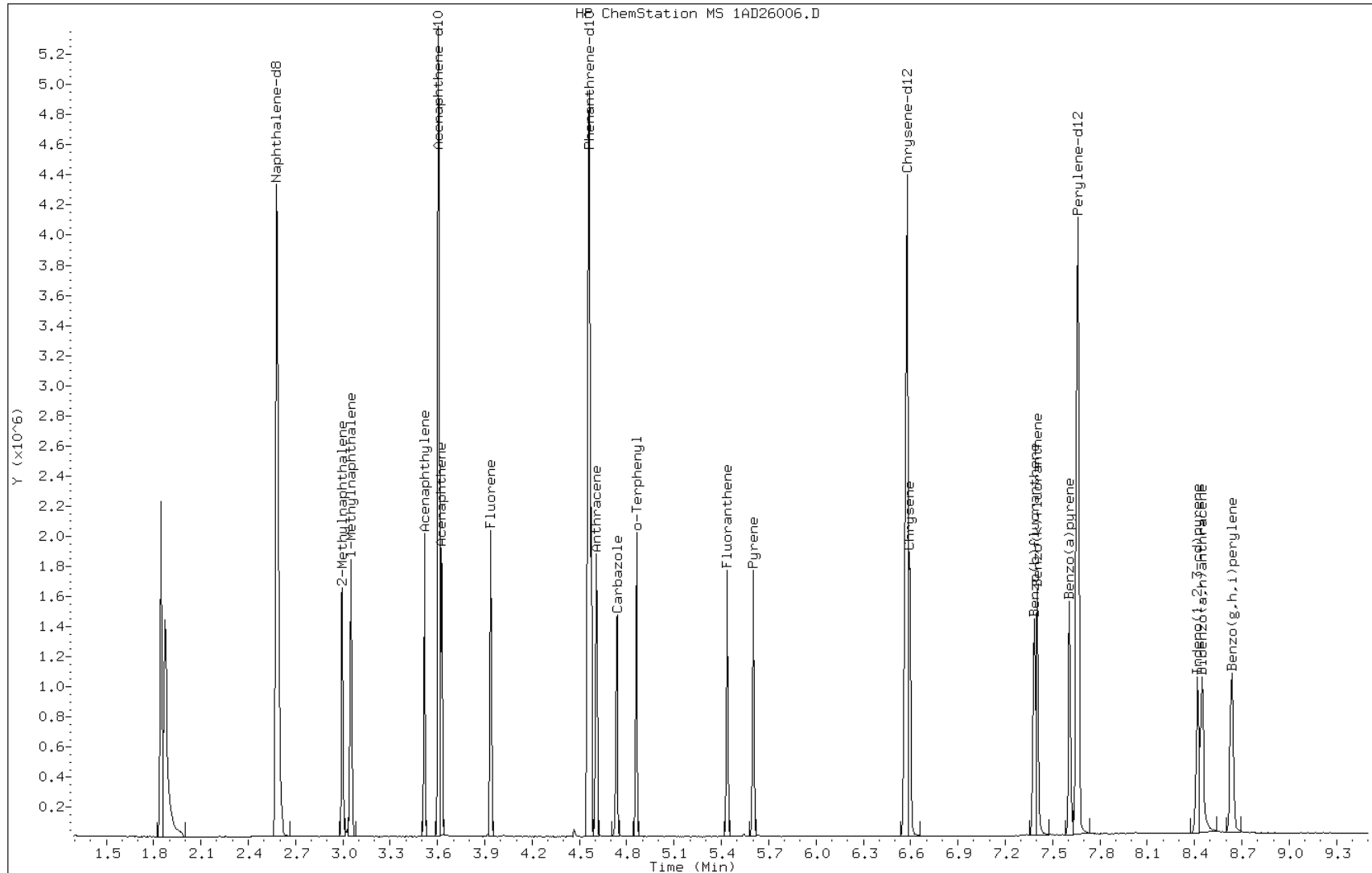
Date: 26-APR-2013 10:48

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531400

Operator: SCC

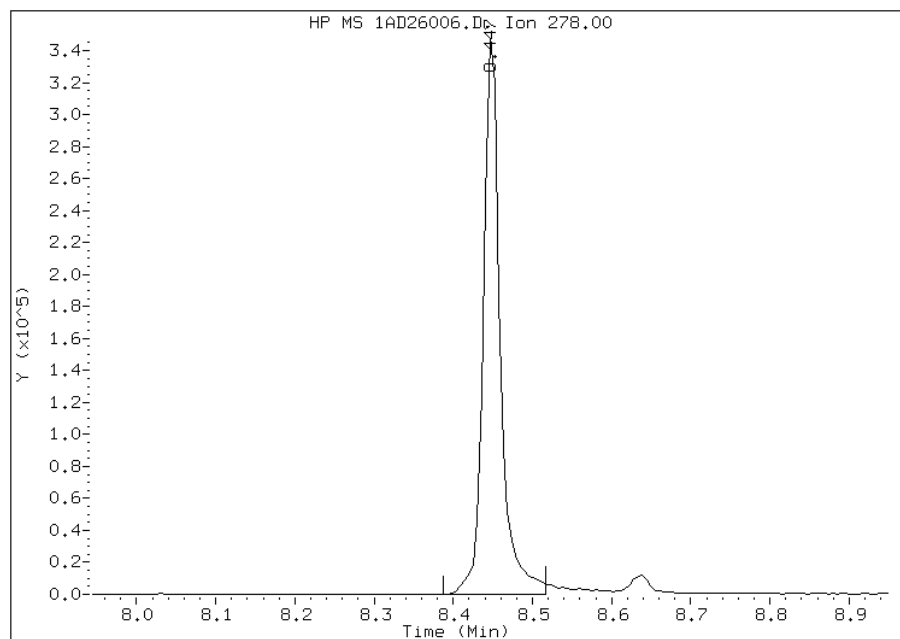


Manual Integration Report

Data File: 1AD26006.D
Inj. Date and Time: 26-APR-2013 10:48
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/26/2013

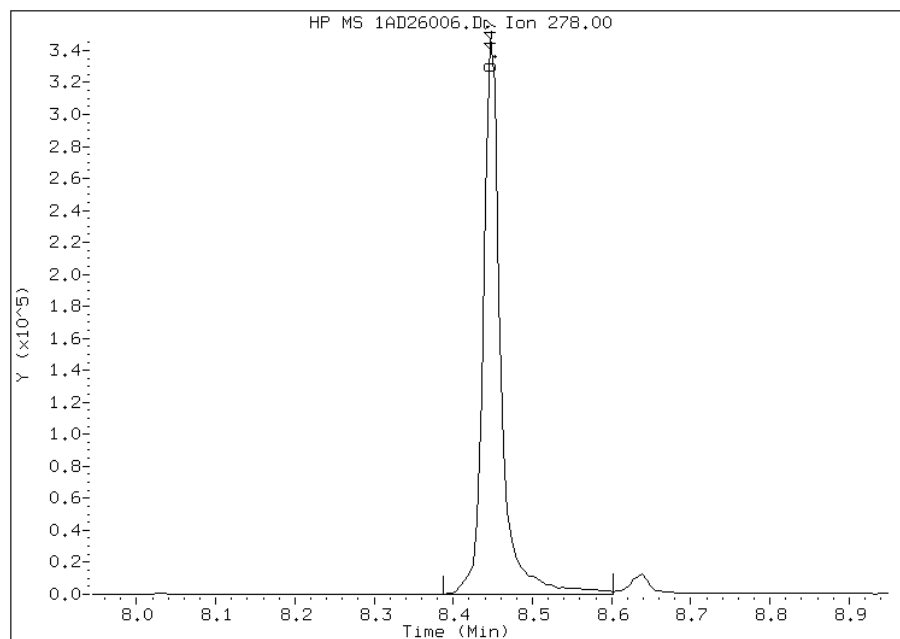
Processing Integration Results

RT: 8.45
Response: 511528
Amount: 11
Conc: 11



Manual Integration Results

RT: 8.45
Response: 529334
Amount: 11
Conc: 11



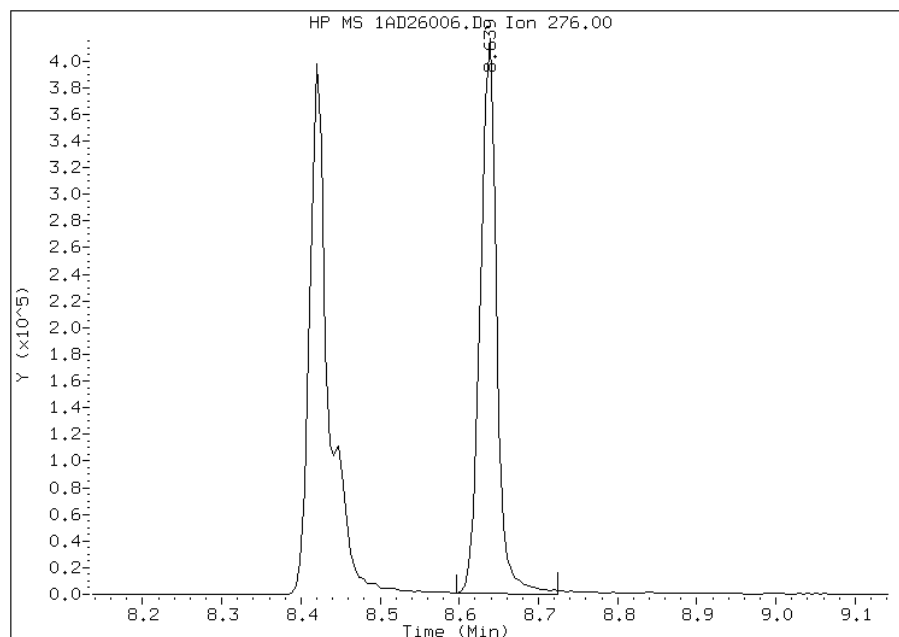
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26006.D
Inj. Date and Time: 26-APR-2013 10:48
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/26/2013

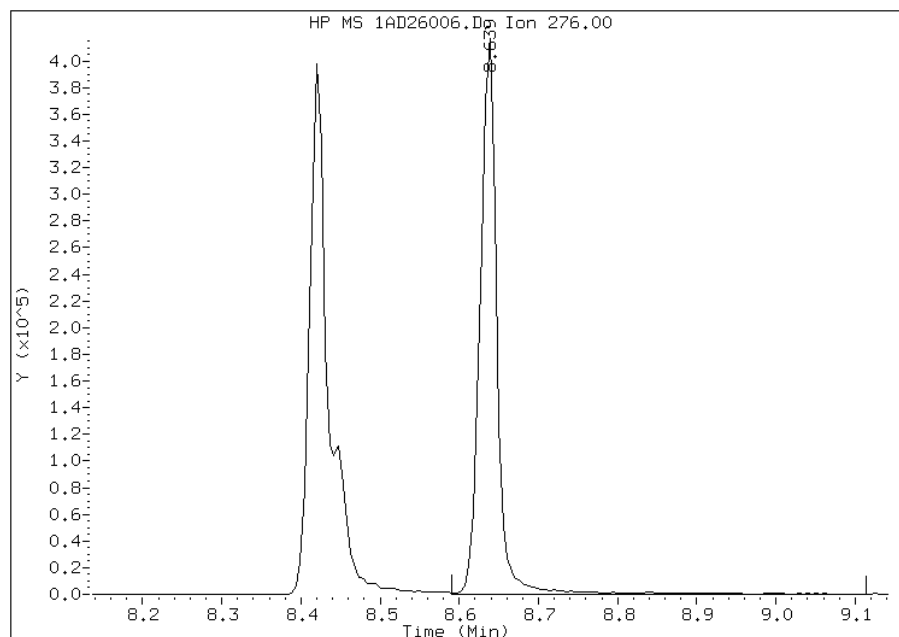
Processing Integration Results

RT: 8.64
Response: 592263
Amount: 10
Conc: 10



Manual Integration Results

RT: 8.64
Response: 616524
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:54
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\1AD26007.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 26-APR-2013 11:03
 Operator : SCC
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 10:48 Cal File: 1AD26006.D
 Als bottle: 7 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.580	2.580	(1.000)	2358748	40.0000	
* 6 Acenaphthene-d10	164	3.606	3.606	(1.000)	1131055	40.0000	
* 10 Phenanthrene-d10	188	4.562	4.562	(1.000)	1941405	40.0000	
\$ 14 o-Terphenyl	230	4.861	4.861	(1.066)	600782	20.0000	19.8656
* 18 Chrysene-d12	240	6.581	6.581	(1.000)	1806882	40.0000	
* 23 Perylene-d12	264	7.666	7.666	(1.000)	1862358	40.0000	
2 Naphthalene	128	2.591	2.591	(1.004)	1158716	20.0000	19.7046
3 2-Methylnaphthalene	141	2.997	2.997	(1.161)	669822	20.0000	20.1454
4 1-Methylnaphthalene	142	3.050	3.050	(1.182)	706538	20.0000	19.6964
5 Acenaphthylene	152	3.520	3.520	(0.976)	1265667	20.0000	19.6212
7 Acenaphthene	154	3.627	3.627	(1.006)	634267	20.0000	19.1257
9 Fluorene	166	3.942	3.942	(1.093)	807968	20.0000	19.5803
11 Phenanthrene	178	4.578	4.578	(1.004)	1040972	20.0000	19.9793
12 Anthracene	178	4.610	4.610	(1.011)	1112517	20.0000	19.9518
13 Carbazole	167	4.738	4.738	(1.039)	1091227	20.0000	20.1348
15 Fluoranthene	202	5.438	5.438	(1.192)	1286350	20.0000	20.1741
16 Pyrene	202	5.604	5.604	(0.851)	1367080	20.0000	19.8317
17 Benzo(a)anthracene	228	6.565	6.565	(0.998)	1149947	20.0000	19.4881
19 Chrysene	228	6.597	6.597	(1.002)	1097962	20.0000	18.3408(M)
20 Benzo(b)fluoranthene	252	7.388	7.388	(0.964)	1243307	20.0000	21.9898
21 Benzo(k)fluoranthene	252	7.409	7.409	(0.967)	1166129	20.0000	17.9385
22 Benzo(a)pyrene	252	7.612	7.612	(0.993)	1187145	20.0000	21.7561
24 Indeno(1,2,3-cd)pyrene	276	8.430	8.430	(1.100)	1156108	20.0000	20.3300
25 Dibenzo(a,h)anthracene	278	8.457	8.457	(1.103)	1028761	20.0000	20.8187
26 Benzo(g,h,i)perylene	276	8.654	8.654	(1.129)	1185137	20.0000	19.9387

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26007.D

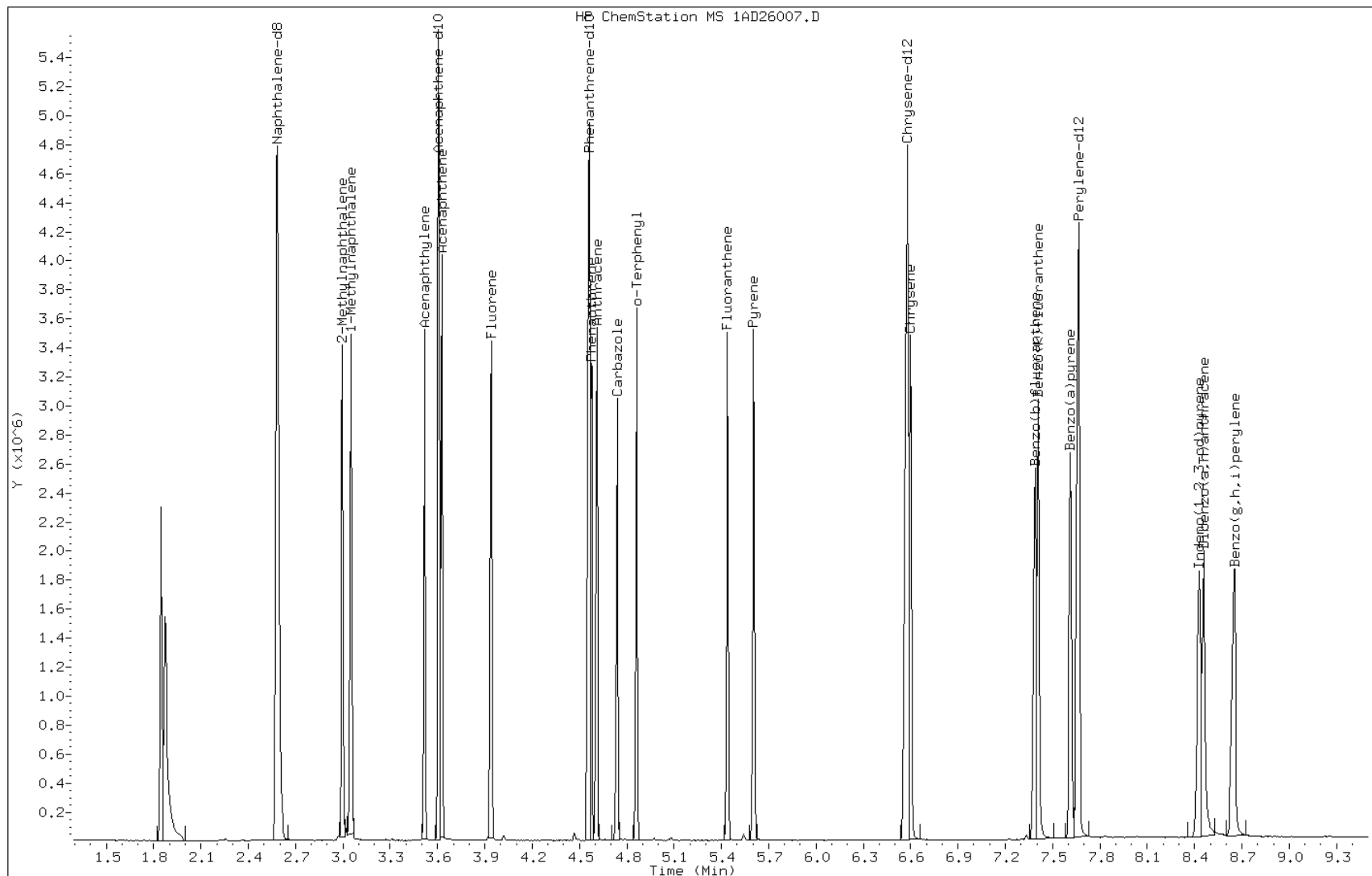
Date: 26-APR-2013 11:03

Client ID:

Instrument: BSMA5973.i

Sample Info: ICIS-1531401

Operator: SCC

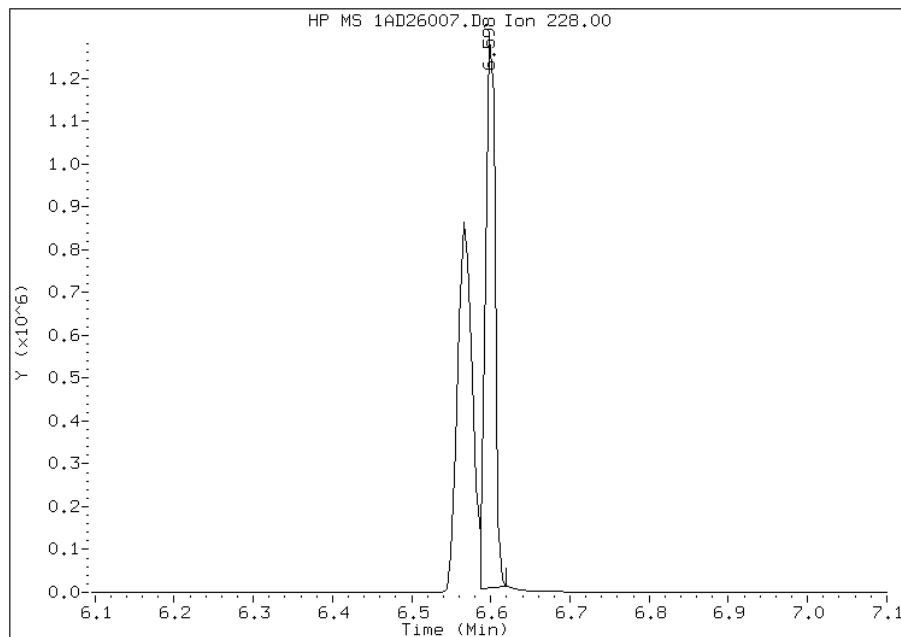


Manual Integration Report

Data File: 1AD26007.D
Inj. Date and Time: 26-APR-2013 11:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

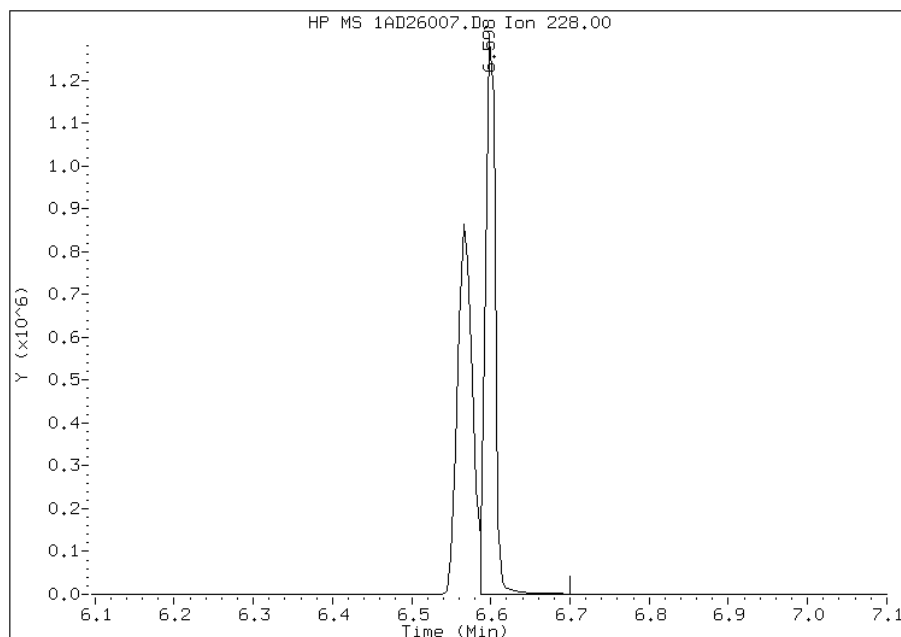
Processing Integration Results

RT: 6.60
Response: 1056771
Amount: 17
Conc: 17



Manual Integration Results

RT: 6.60
Response: 1097962
Amount: 18
Conc: 18



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:58
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26008.D
 Lab Smp Id: IC-1531402
 Inj Date : 26-APR-2013 11:19
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:03 Cal File: 1AD26007.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.578	2.580	(1.000)	2081137	40.0000	
* 6 Acenaphthene-d10	164	3.609	3.606	(1.000)	971255	40.0000	
* 10 Phenanthrene-d10	188	4.560	4.562	(1.000)	1708155	40.0000	
\$ 14 o-Terphenyl	230	4.864	4.861	(1.067)	747046	30.0000	30.2447
* 18 Chrysene-d12	240	6.584	6.581	(1.000)	1549882	40.0000	
* 23 Perylene-d12	264	7.663	7.666	(1.000)	1665910	40.0000	
2 Naphthalene	128	2.594	2.591	(1.006)	1510520	30.0000	30.4015
3 2-Methylnaphthalene	141	2.994	2.997	(1.162)	827941	30.0000	30.0747
4 1-Methylnaphthalene	142	3.053	3.050	(1.184)	894050	30.0000	30.3598
5 Acenaphthylene	152	3.518	3.520	(0.975)	1556064	30.0000	30.6998
7 Acenaphthene	154	3.625	3.627	(1.004)	810394	30.0000	31.5304
9 Fluorene	166	3.940	3.942	(1.092)	1002855	30.0000	30.9795
11 Phenanthrene	178	4.576	4.578	(1.004)	1299367	30.0000	29.9559
12 Anthracene	178	4.613	4.610	(1.012)	1371502	30.0000	30.1453
13 Carbazole	167	4.741	4.738	(1.040)	1364561	30.0000	29.7567
15 Fluoranthene	202	5.441	5.438	(1.193)	1591115	30.0000	29.6375
16 Pyrene	202	5.607	5.604	(0.852)	1716784	30.0000	29.0345
17 Benzo(a)anthracene	228	6.568	6.565	(0.998)	1427778	30.0000	28.2088
19 Chrysene	228	6.600	6.597	(1.002)	1401601	30.0000	27.2953(M)
20 Benzo(b)fluoranthene	252	7.391	7.388	(0.964)	1402018	30.0000	27.7209
21 Benzo(k)fluoranthene	252	7.412	7.409	(0.967)	1618107	30.0000	27.8265
22 Benzo(a)pyrene	252	7.615	7.612	(0.994)	1470103	30.0000	30.4849
24 Indeno(1,2,3-cd)pyrene	276	8.427	8.430	(1.100)	1470861	30.0000	28.8179
25 Dibenzo(a,h)anthracene	278	8.459	8.457	(1.104)	1321140	30.0000	29.8882
26 Benzo(g,h,i)perylene	276	8.652	8.654	(1.129)	1524482	30.0000	28.6723

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD26008.D

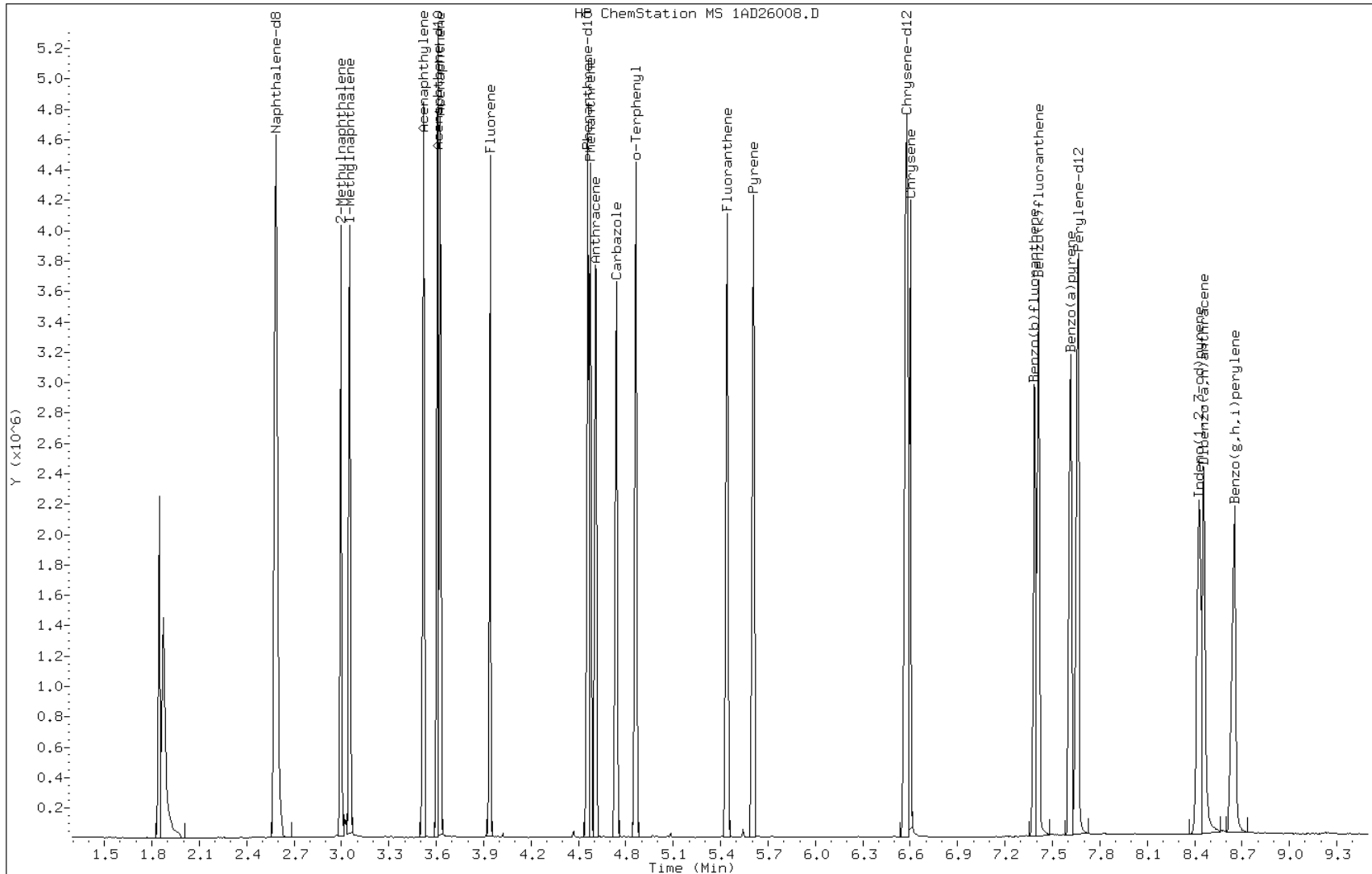
Date: 26-APR-2013 11:19

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531402

Operator: SCC

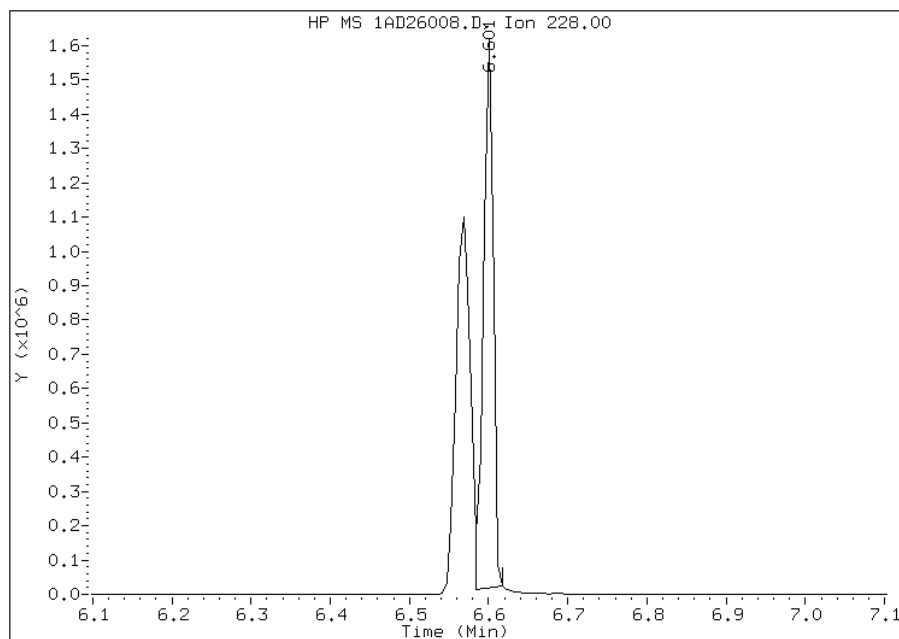


Manual Integration Report

Data File: 1AD26008.D
Inj. Date and Time: 26-APR-2013 11:19
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

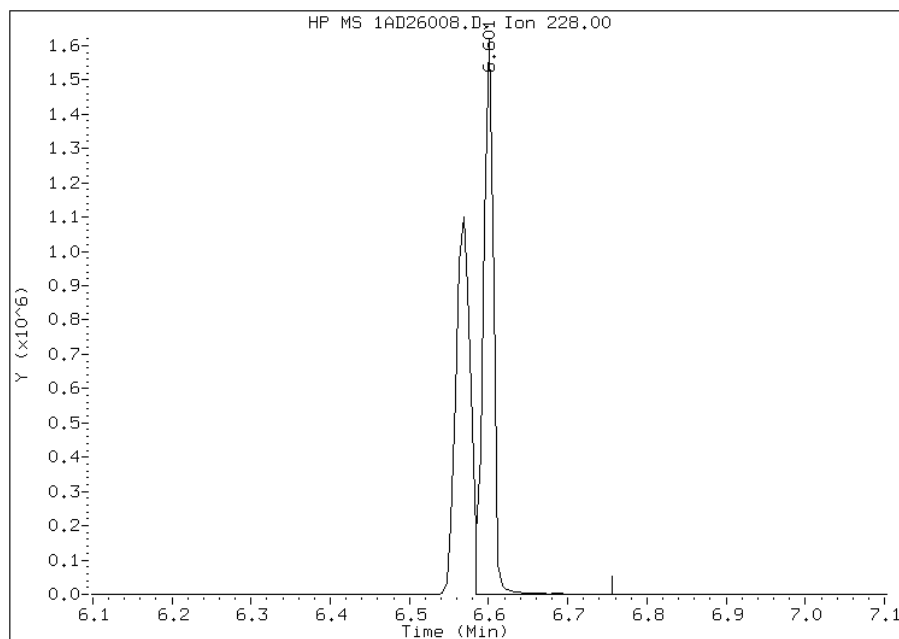
Processing Integration Results

RT: 6.60
Response: 1330257
Amount: 26
Conc: 26



Manual Integration Results

RT: 6.60
Response: 1401601
Amount: 27
Conc: 27



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:56
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26009.D
 Lab Smp Id: IC-1531403
 Inj Date : 26-APR-2013 11:34
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-bFASTPAHi-m.m
 Meth Date : 26-Apr-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 26-APR-2013 11:19 Cal File: 1AD26008.D
 Als bottle: 9 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
* 1 Naphthalene-d8	136	2.581	2.580	(1.000)	2198265	40.0000	
* 6 Acenaphthene-d10	164	3.607	3.606	(1.000)	1085200	40.0000	
* 10 Phenanthrene-d10	188	4.563	4.562	(1.000)	1842852	40.0000	
\$ 14 o-Terphenyl	230	4.868	4.861	(1.067)	1190919	50.0000	49.9310
* 18 Chrysene-d12	240	6.588	6.581	(1.000)	1568229	40.0000	
* 23 Perylene-d12	264	7.667	7.666	(1.000)	1740423	40.0000	
2 Naphthalene	128	2.592	2.591	(1.004)	2445644	50.0000	49.8939
3 2-Methylnaphthalene	141	2.998	2.997	(1.161)	1310841	50.0000	49.9542
4 1-Methylnaphthalene	142	3.057	3.050	(1.184)	1398370	50.0000	49.9099
5 Acenaphthylene	152	3.521	3.520	(0.976)	2504346	50.0000	49.7738
7 Acenaphthene	154	3.628	3.627	(1.006)	1267057	50.0000	49.4576
9 Fluorene	166	3.943	3.942	(1.093)	1599840	50.0000	49.6541
11 Phenanthrene	178	4.579	4.578	(1.004)	2139281	50.0000	50.0234(A)
12 Anthracene	178	4.617	4.610	(1.012)	2186210	50.0000	49.9541
13 Carbazole	167	4.745	4.738	(1.040)	2311786	50.0000	50.0703(A)
15 Fluoranthene	202	5.450	5.438	(1.194)	2681447	50.0000	50.1042(A)
16 Pyrene	202	5.616	5.604	(0.852)	2760027	50.0000	46.1318
17 Benzo(a)anthracene	228	6.572	6.565	(0.998)	2561817	50.0000	50.0220(A)
19 Chrysene	228	6.609	6.597	(1.003)	2209729	50.0000	42.5296(M)
20 Benzo(b)fluoranthene	252	7.394	7.388	(0.964)	2501570	50.0000	47.3439
21 Benzo(k)fluoranthene	252	7.421	7.409	(0.968)	2519945	50.0000	41.4801(M)
22 Benzo(a)pyrene	252	7.624	7.612	(0.994)	2426657	50.0000	48.7188
24 Indeno(1,2,3-cd)pyrene	276	8.442	8.430	(1.101)	2703546	50.0000	50.5272(A)
25 Dibenzo(a,h)anthracene	278	8.474	8.457	(1.105)	2207196	50.0000	47.7957
26 Benzo(g,h,i)perylene	276	8.671	8.654	(1.131)	2645132	50.0000	47.6194

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1AD26009.D

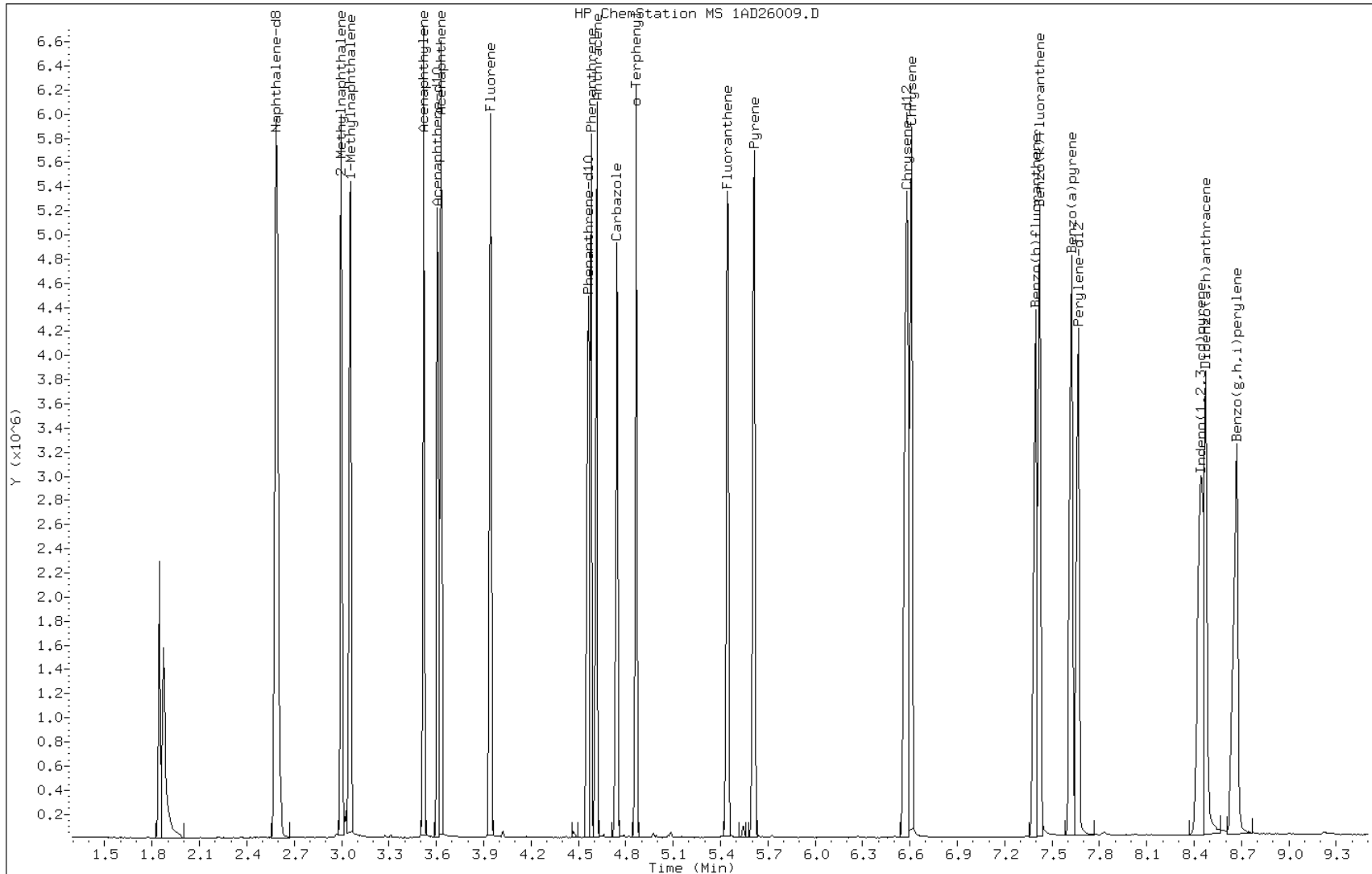
Date: 26-APR-2013 11:34

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531403

Operator: SCC

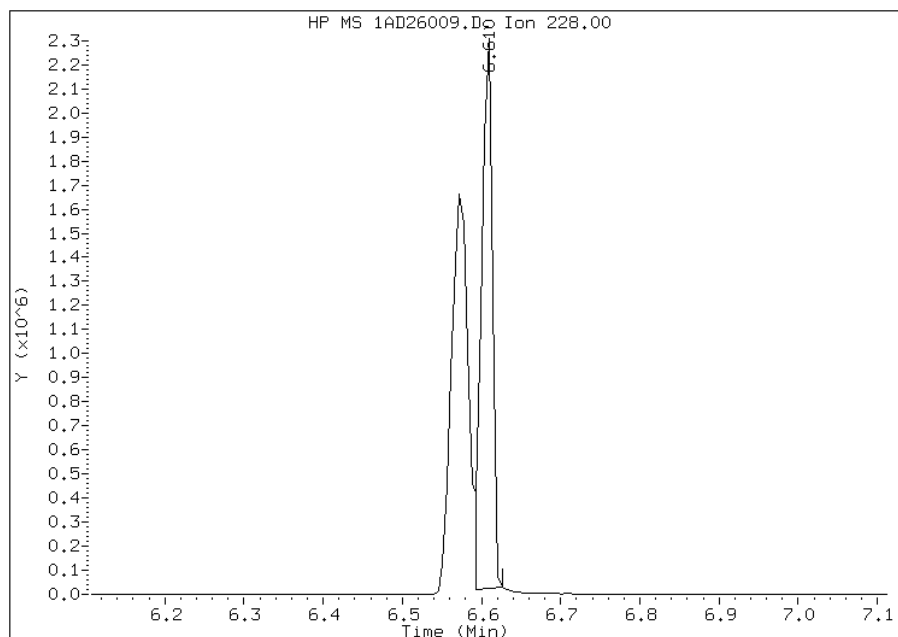


Manual Integration Report

Data File: 1AD26009.D
Inj. Date and Time: 26-APR-2013 11:34
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 04/26/2013

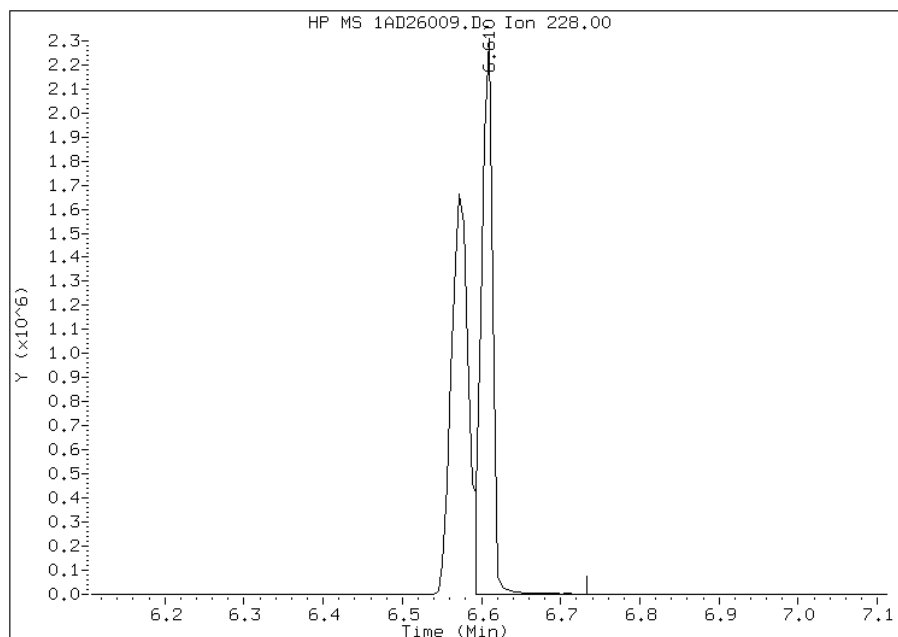
Processing Integration Results

RT: 6.61
Response: 2123056
Amount: 42
Conc: 42



Manual Integration Results

RT: 6.61
Response: 2209729
Amount: 43
Conc: 43



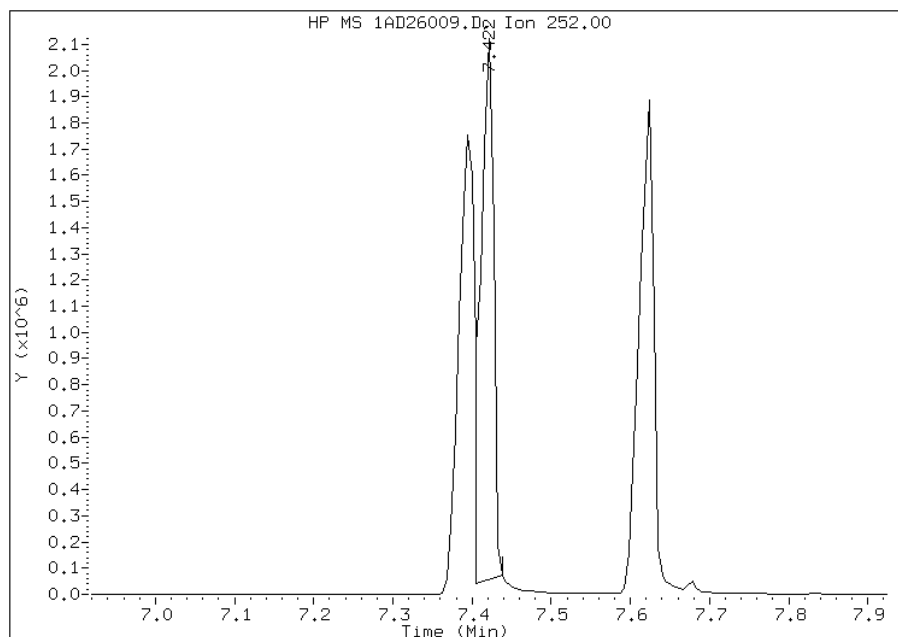
Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD26009.D
Inj. Date and Time: 26-APR-2013 11:34
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/26/2013

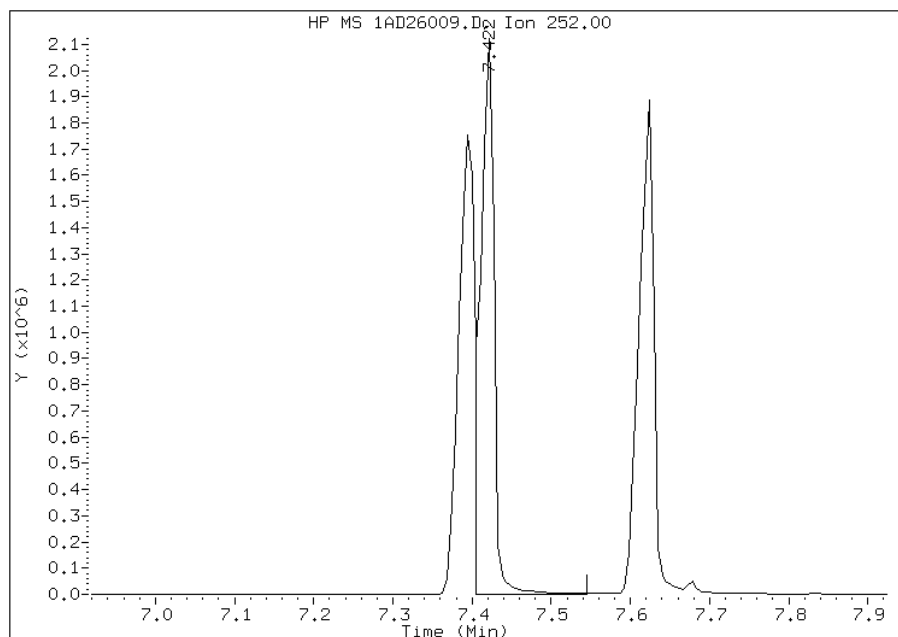
Processing Integration Results

RT: 7.42
Response: 2323626
Amount: 39
Conc: 39



Manual Integration Results

RT: 7.42
Response: 2519945
Amount: 41
Conc: 41



Manually Integrated By: cantins
Modification Date: 26-Apr-2013 12:55
Manual Integration Reason: Baseline Event

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 137156

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2013 10:40 Calibration End Date: 05/06/2013 11:56 Calibration ID: 2952

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-137156/4	1AE06004.D
Level 2	IC 660-137156/5	1AE06005.D
Level 3	IC 660-137156/6	1AE06006.D
Level 4	IC 660-137156/7	1AE06007.D
Level 5	IC 660-137156/8	1AE06008.D
Level 6	IC 660-137156/9	1AE06009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	0.8667 0.9221	0.9548	0.9617	0.9647	0.9728	Ave		0.9420			0.0000	3.9		15.0			
2-Methylnaphthalene	0.4226 0.4918	0.4759	0.5039	0.4820	0.4877	Ave		0.4787			0.0000	5.5		15.0			
1-Methylnaphthalene	0.6029 0.5086	0.6310	0.5706	0.5768	0.5700	Ave		0.5738			0.0000	6.6		15.0			
Acenaphthylene	1.6019 1.8391	1.9272	1.9958	1.9528	1.8687	Ave		1.8796			0.0000	7.2		15.0			
Acenaphthene	1.2630 0.9794	1.1191	1.1012	1.0911	0.9775	Ave		1.0794			0.0000	9.2		15.0			
Fluorene	1.2150 1.1688	1.1543	1.2909	1.2296	1.2768	Ave		1.2301			0.0000	4.4		15.0			
Phenanthrene	1.0511 0.9551	0.9723	1.0218	0.9788	0.9545	Ave		0.9910			0.0000	3.6		15.0			
Anthracene	0.9704 1.0683	1.0287	1.1022	1.0731	1.0444	Ave		1.0556			0.0000	4.4		15.0			
Carbazole	0.8515 0.9411	0.9482	1.0434	0.9702	0.9294	Ave		0.9491			0.0000	6.0		15.0			
Fluoranthene	1.0295 1.1667	1.1345	1.1703	1.1455	1.1572	Ave		1.1400			0.0000	4.5		15.0			
Pyrene	1.1087 1.3212	1.2815	1.3443	1.3220	1.3081	Ave		1.2858			0.0000	6.2		15.0			
Benzo[a]anthracene	1.3182 1.1492	1.1011	1.0943	1.0418	1.0896	Ave		1.1242			0.0000	8.1		15.0			
Chrysene	1.3983 1.1822	1.3391	1.2785	1.2693	1.1997	Ave		1.2649			0.0000	6.5		15.0			
Benzo[b]fluoranthene	0.9460 1.2055	0.9352	1.0620	0.9896	1.1918	Ave		1.0573			0.0000	10.4		15.0			
Benzo[k]fluoranthene	1.2427 1.2284	1.3188	1.3819	1.4106	1.2886	Ave		1.3116			0.0000	5.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 137156

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2013 10:40 Calibration End Date: 05/06/2013 11:56 Calibration ID: 2952

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.0150 1.1371	0.9655	1.0919	1.1043	1.1614	Ave		1.0858			0.0000	6.5	15.0				
Indeno[1,2,3-cd]pyrene	0.8009 1.0467	0.7678	0.8798	0.9074	0.9847	Ave		0.9096			0.0000	11.2	15.0				
Dibenz(a,h)anthracene	0.8250 0.9774	0.9059	0.9919	0.9399	0.9663	Ave		0.9324			0.0000	6.1	15.0				
Benzo[g,h,i]perylene	0.9050 1.0138	0.9652	1.0307	0.9710	1.0040	Ave		0.9782			0.0000	4.3	15.0				
o-Terphenyl	0.5850 0.5366	0.5762	0.6000	0.5836	0.5515	Ave		0.5725			0.0000	3.8	15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 137156

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2013 10:40 Calibration End Date: 05/06/2013 11:56 Calibration ID: 2952

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-137156/4	1AE06004.D
Level 2	IC 660-137156/5	1AE06005.D
Level 3	IC 660-137156/6	1AE06006.D
Level 4	IC 660-137156/7	1AE06007.D
Level 5	IC 660-137156/8	1AE06008.D
Level 6	IC 660-137156/9	1AE06009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	5529 1397244	28538	156392	301663	837016	0.200 50.0	1.00	5.00	10.0	30.0
2-Methylnaphthalene	NPT	Ave	2696 745285	14225	81952	150716	419604	0.200 50.0	1.00	5.00	10.0	30.0
1-Methylnaphthalene	NPT	Ave	3846 770690	18860	92797	180349	490403	0.200 50.0	1.00	5.00	10.0	30.0
Acenaphthylene	ANT	Ave	5213 1396662	29650	156651	305312	801835	0.200 50.0	1.00	5.00	10.0	30.0
Acenaphthene	ANT	Ave	4110 743745	17218	86437	170588	419418	0.200 50.0	1.00	5.00	10.0	30.0
Fluorene	ANT	Ave	3954 887590	17759	101320	192234	547833	0.200 50.0	1.00	5.00	10.0	30.0
Phenanthrene	PHN	Ave	5800 1241024	25196	136267	258887	711095	0.200 50.0	1.00	5.00	10.0	30.0
Anthracene	PHN	Ave	5355 1388133	26659	146994	283812	778079	0.200 50.0	1.00	5.00	10.0	30.0
Carbazole	PHN	Ave	4699 1222783	24572	139150	256614	692413	0.200 50.0	1.00	5.00	10.0	30.0
Fluoranthene	PHN	Ave	5681 1515990	29400	156066	302969	862141	0.200 50.0	1.00	5.00	10.0	30.0
Pyrene	CRY	Ave	5812 1521255	30866	169550	327292	882847	0.200 50.0	1.00	5.00	10.0	30.0
Benzo[a]anthracene	CRY	Ave	6910 1323236	26522	138014	257936	735367	0.200 50.0	1.00	5.00	10.0	30.0
Chrysene	CRY	Ave	7330 1361261	32255	161246	314241	809687	0.200 50.0	1.00	5.00	10.0	30.0
Benzo[b]fluoranthene	PRY	Ave	4707 1327571	21937	126343	236568	752076	0.200 50.0	1.00	5.00	10.0	30.0
Benzo[k]fluoranthene	PRY	Ave	6183 1352818	30936	164403	337219	813163	0.200 50.0	1.00	5.00	10.0	30.0
Benzo[a]pyrene	PRY	Ave	5050 1252292	22648	129901	263990	732885	0.200 50.0	1.00	5.00	10.0	30.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 137156

SDG No.: 68089791-3

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 05/06/2013 10:40 Calibration End Date: 05/06/2013 11:56 Calibration ID: 2952

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Indeno[1,2,3-cd]pyrene	PRY	Ave	3985 1152680	18010	104666	216924	621385	0.200 50.0	1.00	5.00	10.0	30.0
Dibenz(a,h)anthracene	PRY	Ave	4105 1076428	21249	118003	224688	609787	0.200 50.0	1.00	5.00	10.0	30.0
Benzo[g,h,i]perylene	PRY	Ave	4503 1116517	22641	122623	232133	633546	0.200 50.0	1.00	5.00	10.0	30.0
o-Terphenyl	PHN	Ave	3228 697232	14933	80011	154345	410873	0.200 50.0	1.00	5.00	10.0	30.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06004.D
 Lab Smp Id: IC-1531396
 Inj Date : 06-MAY-2013 10:40
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06004.D
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 10:24 Cal File: 1AE06003.D
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
* 1 Naphthalene-d8			136	2.545	2.544	(1.000)	1275912	40.0000	
* 6 Acenaphthene-d10			164	3.571	3.575	(1.000)	650840	40.0000	
* 10 Phenanthrene-d10			188	4.517	4.520	(1.000)	1103640	40.0000	
\$ 14 o-Terphenyl			230	4.816	4.819	(1.066)	3228	0.20000	0.2043
* 18 Chrysene-d12			240	6.531	6.534	(1.000)	1048388	40.0000	
* 23 Perylene-d12			264	7.615	7.629	(1.000)	995106	40.0000	
2 Naphthalene			128	2.556	2.554	(1.004)	5529	0.20000	0.1840(Q)
3 2-Methylnaphthalene			141	2.962	2.960	(1.164)	2696	0.20000	0.1765
4 1-Methylnaphthalene			142	3.015	3.014	(1.185)	3846	0.20000	0.2101
5 Acenaphthylene			152	3.480	3.484	(0.975)	5213	0.20000	0.1704
7 Acenaphthene			154	3.587	3.591	(1.004)	4110	0.20000	0.2340
9 Fluorene			166	3.902	3.901	(1.093)	3954	0.20000	0.1975(T)
11 Phenanthrene			178	4.533	4.536	(1.004)	5800	0.20000	0.2121(M)
12 Anthracene			178	4.565	4.568	(1.011)	5355	0.20000	0.1838
13 Carbazole			167	4.704	4.702	(1.041)	4699	0.20000	0.1794(T)
15 Fluoranthene			202	5.393	5.396	(1.194)	5681	0.20000	0.1806(M)
16 Pyrene			202	5.558	5.562	(0.851)	5812	0.20000	0.1724
17 Benzo(a)anthracene			228	6.525	6.523	(0.999)	6910	0.20000	0.2345
19 Chrysene			228	6.547	6.550	(1.002)	7330	0.20000	0.2211
20 Benzo(b)fluoranthene			252	7.337	7.346	(0.964)	4707	0.20000	0.1789
21 Benzo(k)fluoranthene			252	7.353	7.368	(0.966)	6183	0.20000	0.1894(M)
22 Benzo(a)pyrene			252	7.567	7.576	(0.994)	5050	0.20000	0.1869
24 Indeno(1,2,3-cd)pyrene			276	8.363	8.388	(1.098)	3985	0.20000	0.1760
25 Dibenzo(a,h)anthracene			278	8.390	8.415	(1.102)	4105	0.20000	0.1769(T)
26 Benzo(g,h,i)perylene			276	8.577	8.602	(1.126)	4503	0.20000	0.1850(M)

QC Flag Legend

- T - Target compound detected outside RT window.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: 1AE06004.D

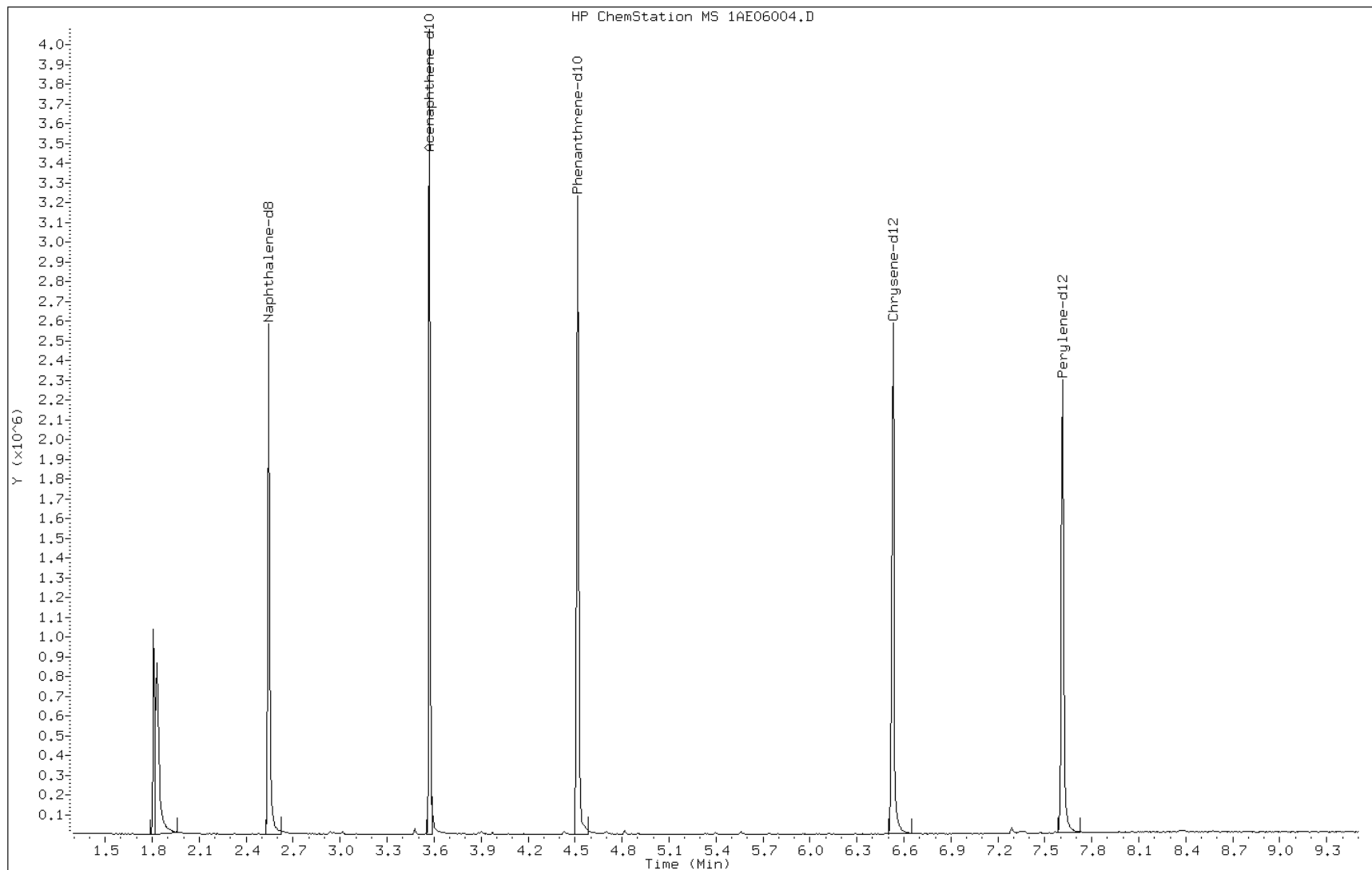
Date: 06-MAY-2013 10:40

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531396

Operator: SCC

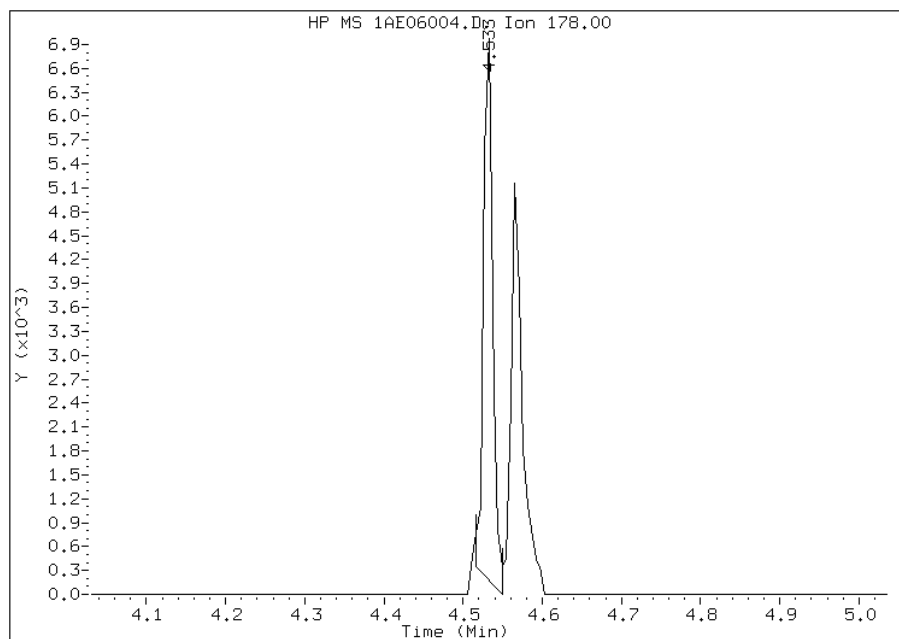


Manual Integration Report

Data File: 1AE06004.D
Inj. Date and Time: 06-MAY-2013 10:40
Instrument ID: BSMA5973.i
Client ID:
Compound: 11 Phenanthrene
CAS #: 85-01-8
Report Date: 05/06/2013

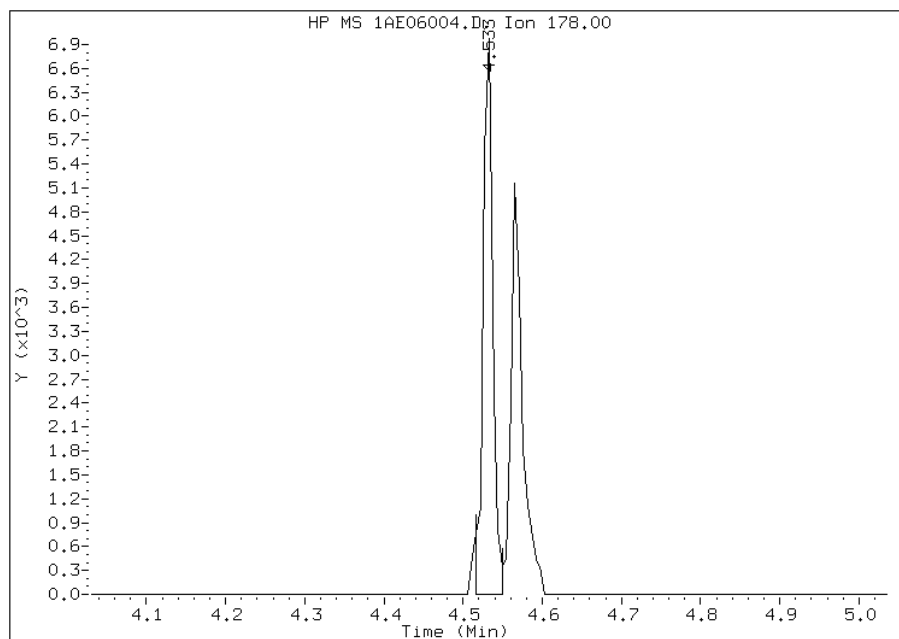
Processing Integration Results

RT: 4.53
Response: 5408
Amount: 0
Conc: 0



Manual Integration Results

RT: 4.53
Response: 5800
Amount: 0
Conc: 0



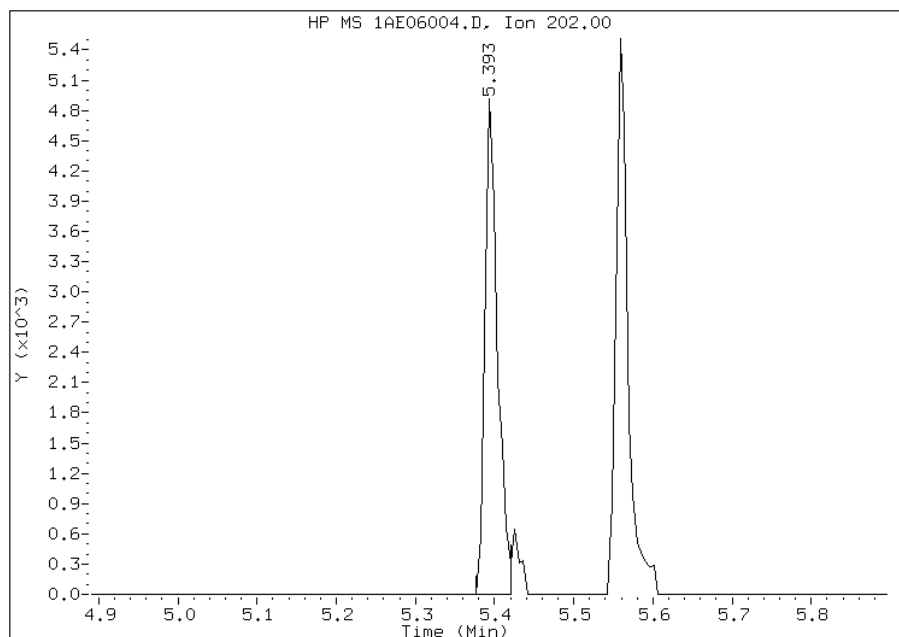
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:53
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06004.D
Inj. Date and Time: 06-MAY-2013 10:40
Instrument ID: BSMA5973.i
Client ID:
Compound: 15 Fluoranthene
CAS #: 206-44-0
Report Date: 05/06/2013

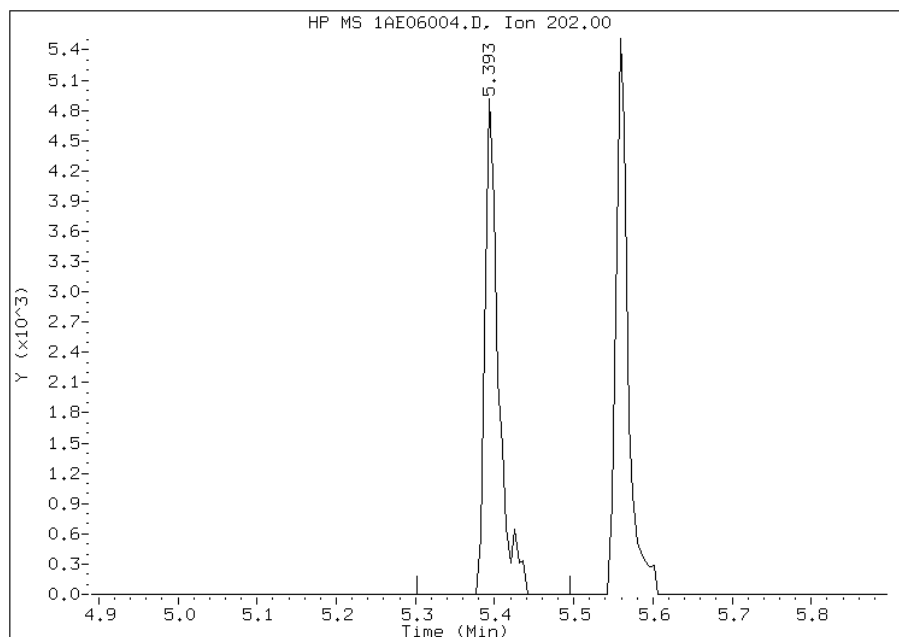
Processing Integration Results

RT: 5.39
Response: 5268
Amount: 0
Conc: 0



Manual Integration Results

RT: 5.39
Response: 5681
Amount: 0
Conc: 0



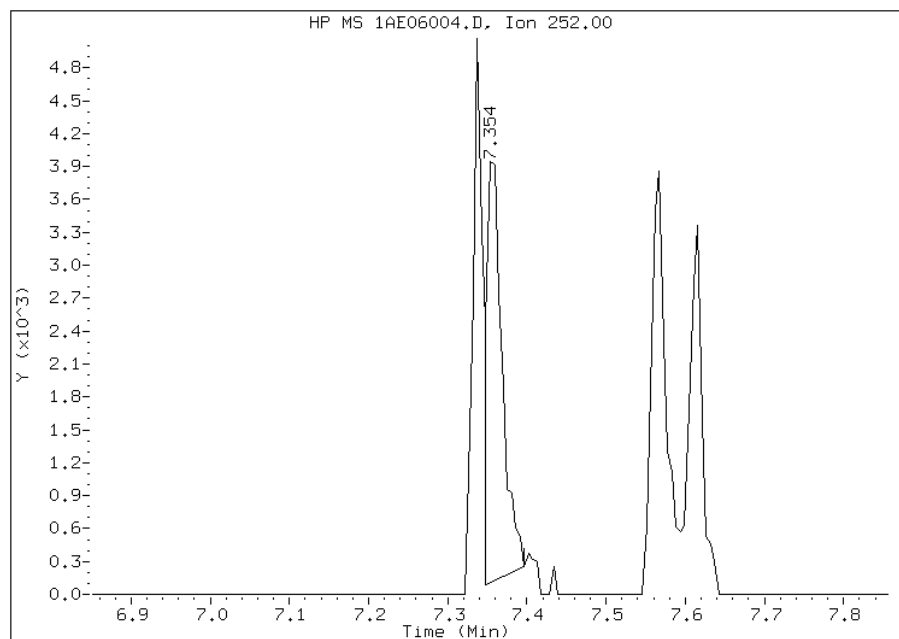
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:53
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06004.D
Inj. Date and Time: 06-MAY-2013 10:40
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

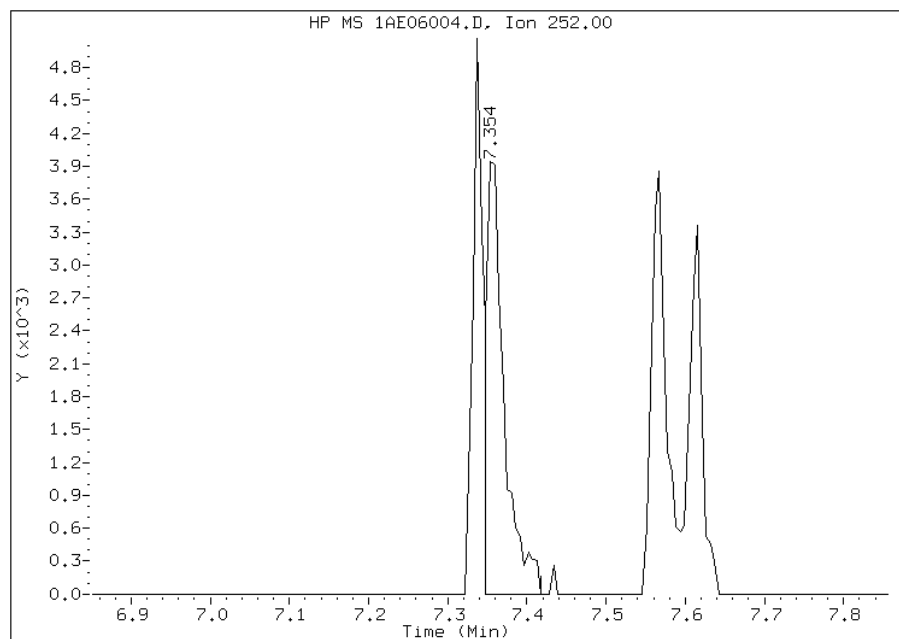
Processing Integration Results

RT: 7.35
Response: 5294
Amount: 0
Conc: 0



Manual Integration Results

RT: 7.35
Response: 6183
Amount: 0
Conc: 0



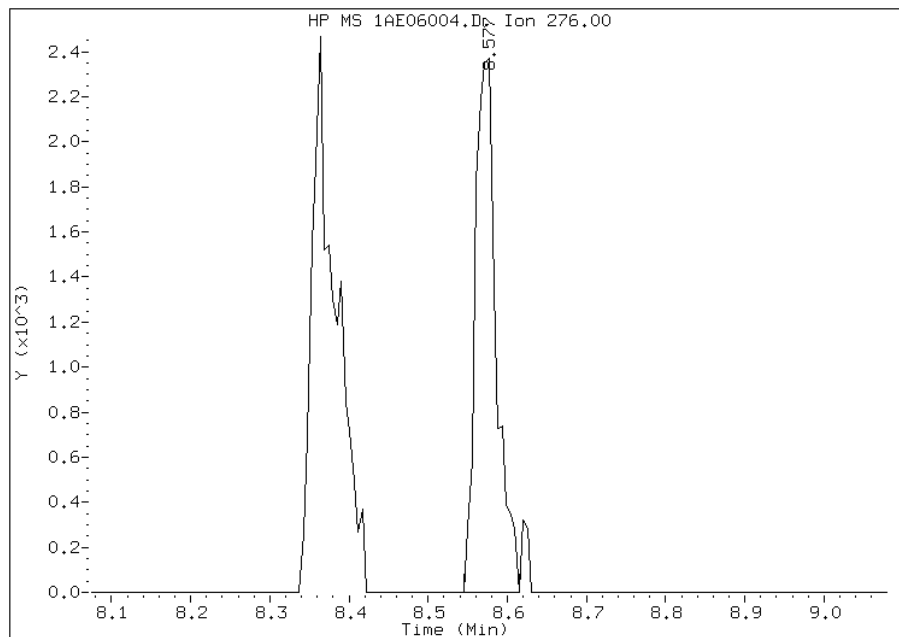
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06004.D
Inj. Date and Time: 06-MAY-2013 10:40
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

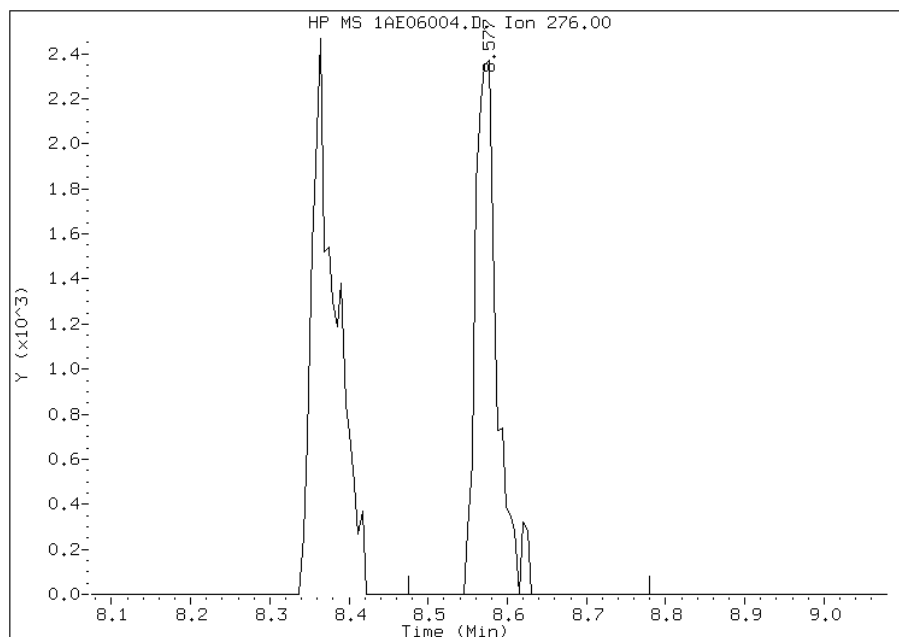
Processing Integration Results

RT: 8.58
Response: 4307
Amount: 0
Conc: 0



Manual Integration Results

RT: 8.58
Response: 4503
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 06-May-2013 12:54
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06005.D
 Lab Smp Id: IC-1531398
 Inj Date : 06-MAY-2013 10:56
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06005.D
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 10:40 Cal File: 1AE06004.D
 Als bottle: 5 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.543	2.544	(1.000)	1195527	40.0000	
* 6 Acenaphthene-d10	164	3.568	3.575	(1.000)	615405	40.0000	
* 10 Phenanthrene-d10	188	4.519	4.520	(1.000)	1036602	40.0000	
\$ 14 o-Terphenyl	230	4.813	4.819	(1.065)	14933	1.00000	1.0065
* 18 Chrysene-d12	240	6.528	6.534	(1.000)	963465	40.0000	
* 23 Perylene-d12	264	7.612	7.629	(1.000)	938287	40.0000	
2 Naphthalene	128	2.553	2.554	(1.004)	28538	1.00000	1.0136
3 2-Methylnaphthalene	141	2.959	2.960	(1.164)	14225	1.00000	0.9941
4 1-Methylnaphthalene	142	3.013	3.014	(1.185)	18860	1.00000	1.0997
5 Acenaphthylene	152	3.483	3.484	(0.976)	29650	1.00000	1.0253
7 Acenaphthene	154	3.584	3.591	(1.004)	17218	1.00000	1.0368
9 Fluorene	166	3.900	3.901	(1.093)	17759	1.00000	0.9383
11 Phenanthrene	178	4.530	4.536	(1.002)	25196	1.00000	0.9811
12 Anthracene	178	4.562	4.568	(1.009)	26659	1.00000	0.9745
13 Carbazole	167	4.701	4.702	(1.040)	24572	1.00000	0.9990(TM)
15 Fluoranthene	202	5.395	5.396	(1.194)	29400	1.00000	0.9951
16 Pyrene	202	5.556	5.562	(0.851)	30866	1.00000	0.9966
17 Benzo(a)anthracene	228	6.523	6.523	(0.999)	26522	1.00000	0.9794
19 Chrysene	228	6.544	6.550	(1.002)	32255	1.00000	1.0587(M)
20 Benzo(b)fluoranthene	252	7.335	7.346	(0.964)	21937	1.00000	0.8845
21 Benzo(k)fluoranthene	252	7.356	7.368	(0.966)	30936	1.00000	1.0054(M)
22 Benzo(a)pyrene	252	7.559	7.576	(0.993)	22648	1.00000	0.8892
24 Indeno(1,2,3-cd)pyrene	276	8.355	8.388	(1.098)	18010	1.00000	0.8440(M)
25 Dibenzo(a,h)anthracene	278	8.382	8.415	(1.101)	21249	1.00000	0.9715(M)
26 Benzo(g,h,i)perylene	276	8.563	8.602	(1.125)	22641	1.00000	0.9867(M)

QC Flag Legend

T - Target compound detected outside RT window.
 M - Compound response manually integrated.

Data File: 1AE06005.D

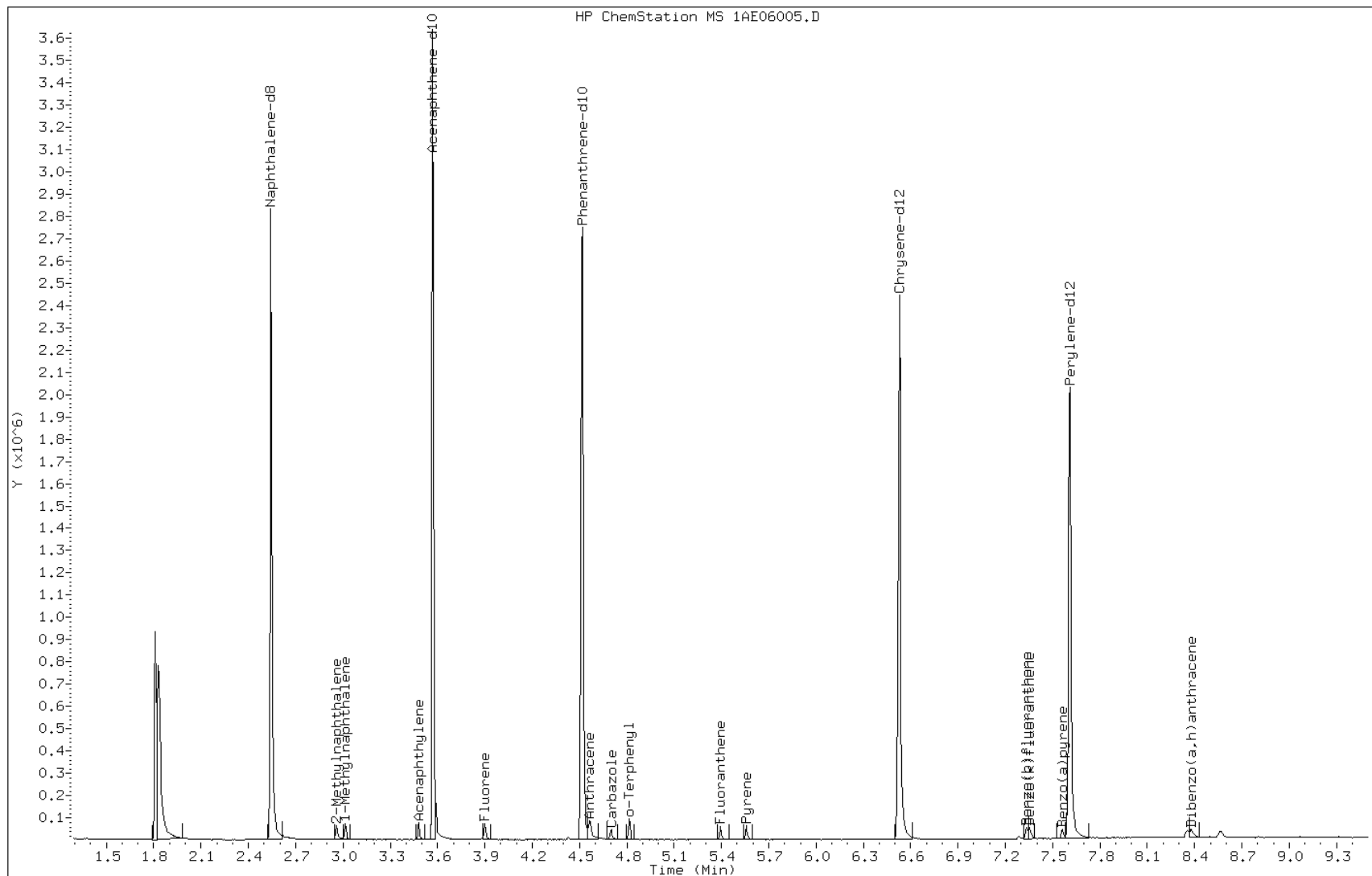
Date: 06-MAY-2013 10:56

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531398

Operator: SCC

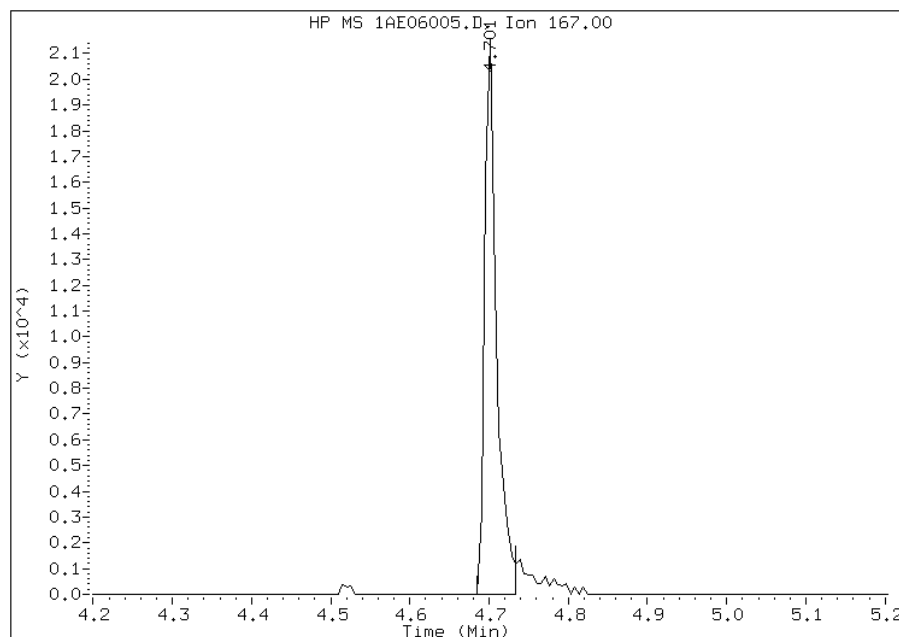


Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 13 Carbazole
CAS #: 86-74-8
Report Date: 05/06/2013

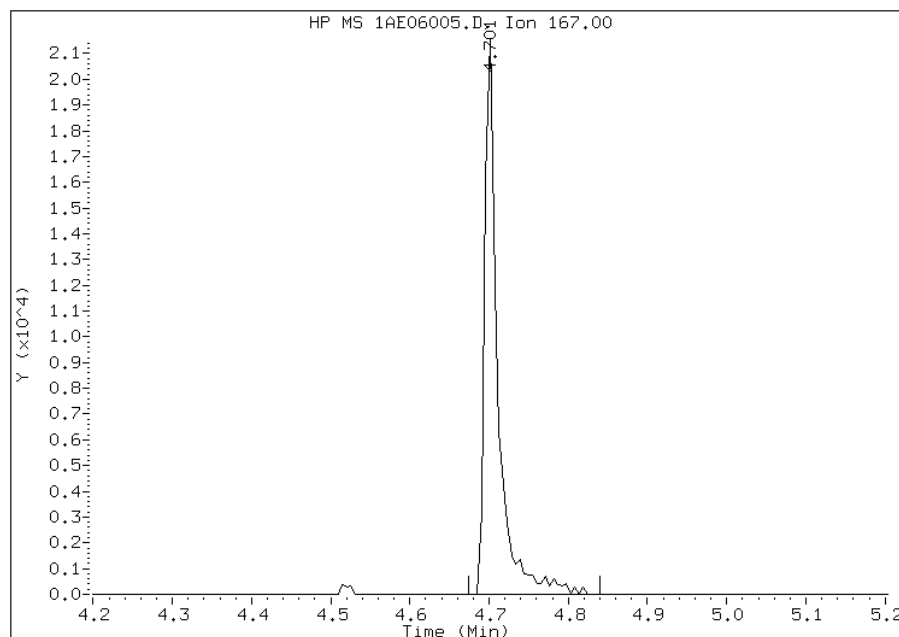
Processing Integration Results

RT: 4.70
Response: 22103
Amount: 1
Conc: 1



Manual Integration Results

RT: 4.70
Response: 24572
Amount: 1
Conc: 1



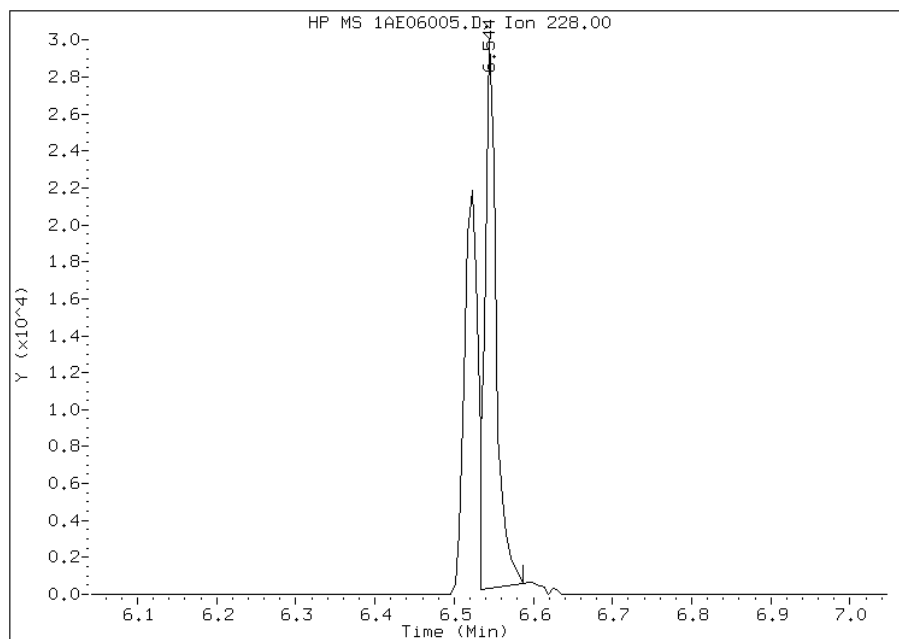
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 05/06/2013

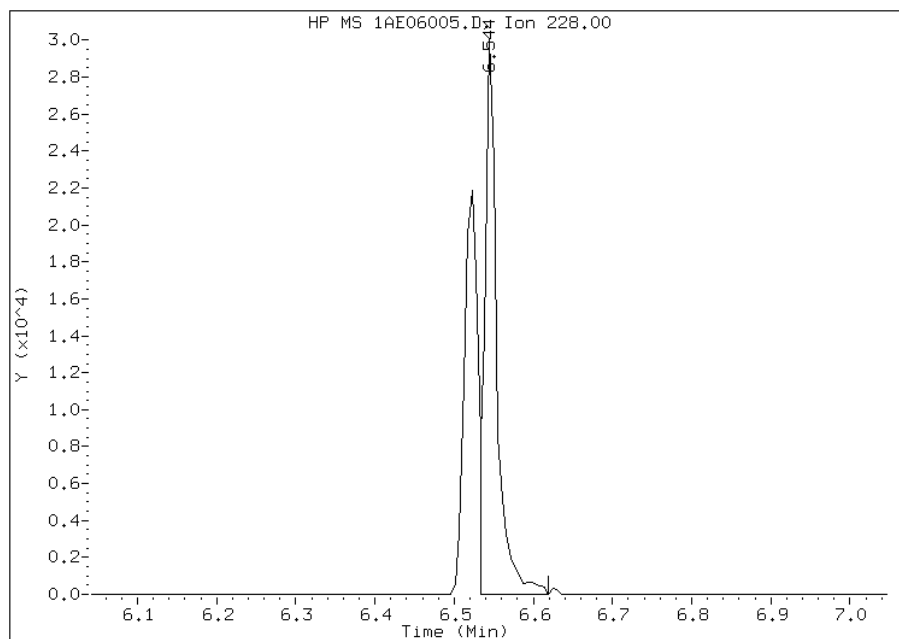
Processing Integration Results

RT: 6.54
Response: 29968
Amount: 1
Conc: 1



Manual Integration Results

RT: 6.54
Response: 32255
Amount: 1
Conc: 1



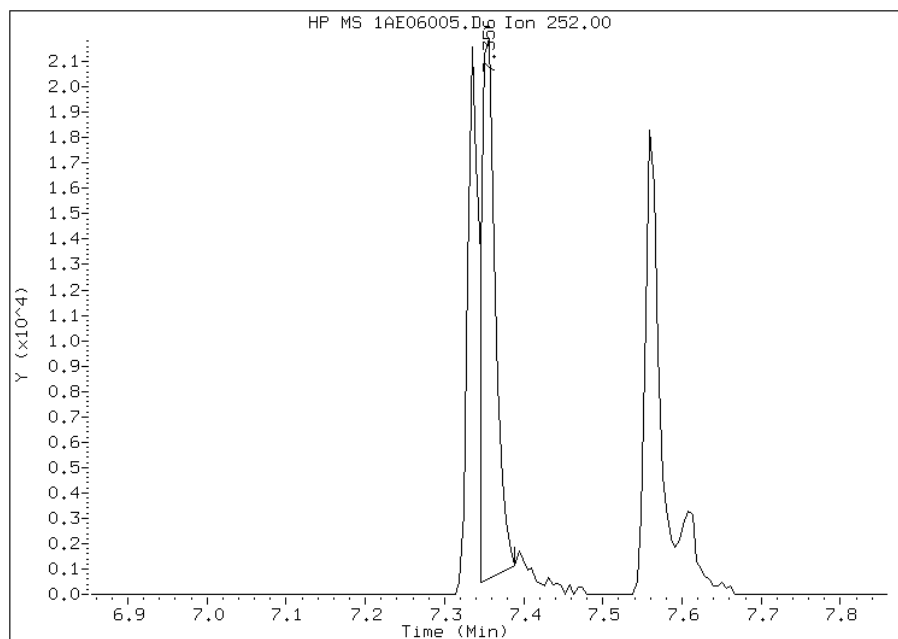
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

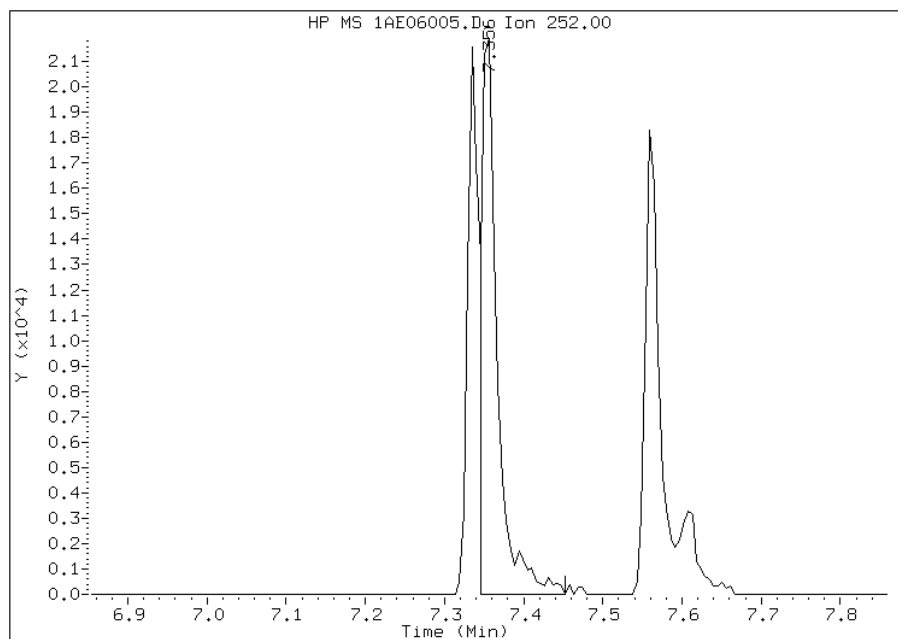
Processing Integration Results

RT: 7.36
Response: 26088
Amount: 1
Conc: 1



Manual Integration Results

RT: 7.36
Response: 30936
Amount: 1
Conc: 1



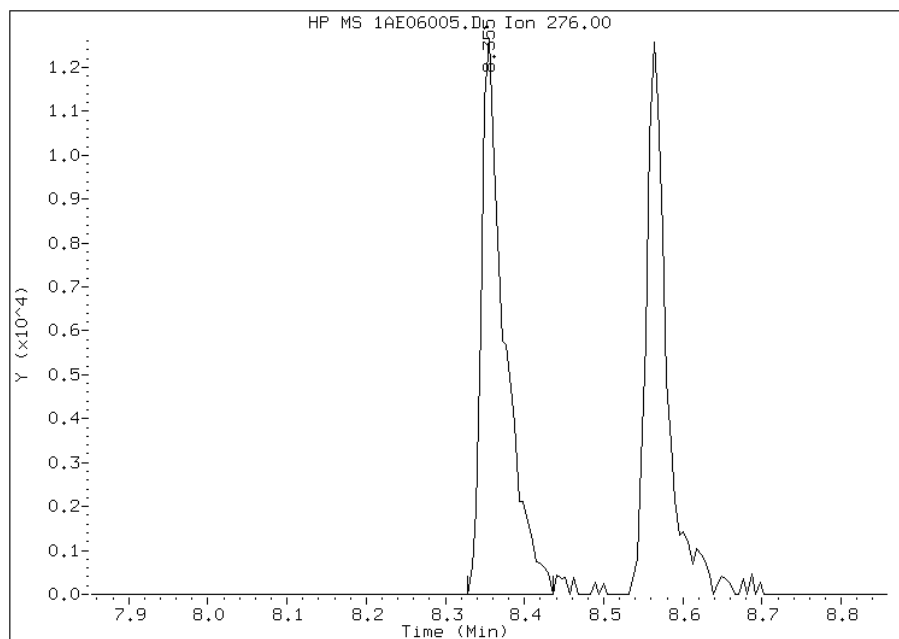
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

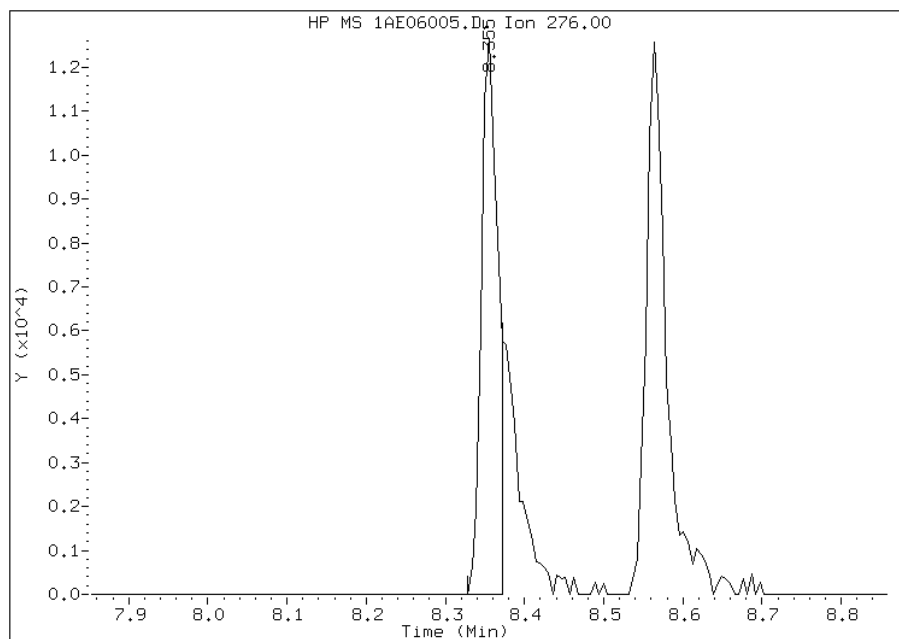
Processing Integration Results

RT: 8.36
Response: 25702
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.36
Response: 18010
Amount: 1
Conc: 1



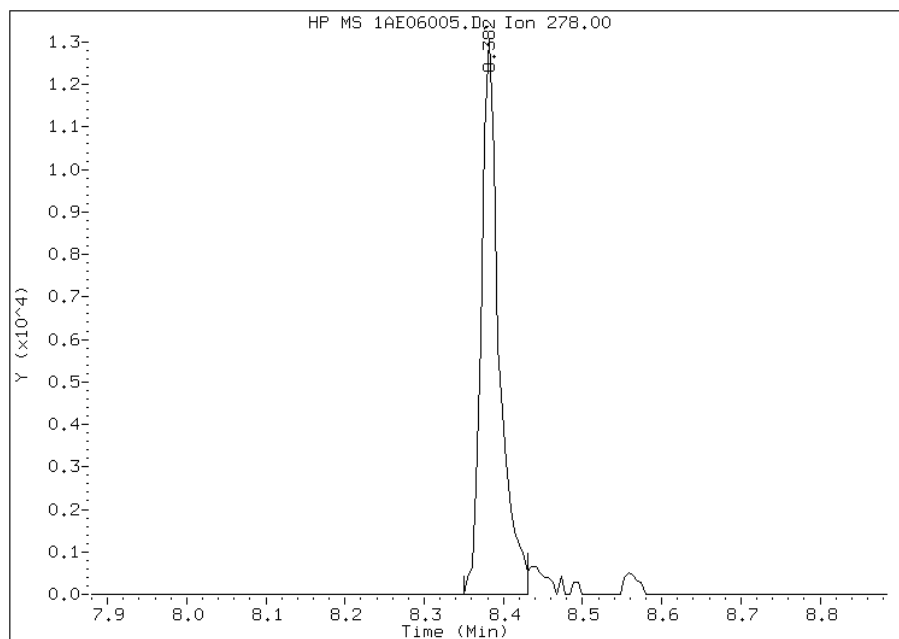
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:56
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

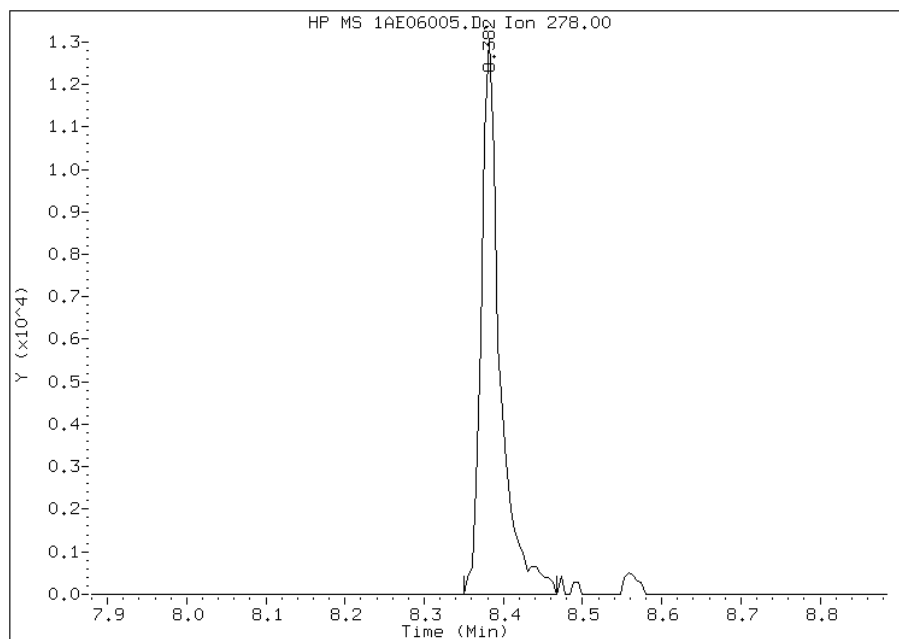
Processing Integration Results

RT: 8.38
Response: 20294
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.38
Response: 21249
Amount: 1
Conc: 1



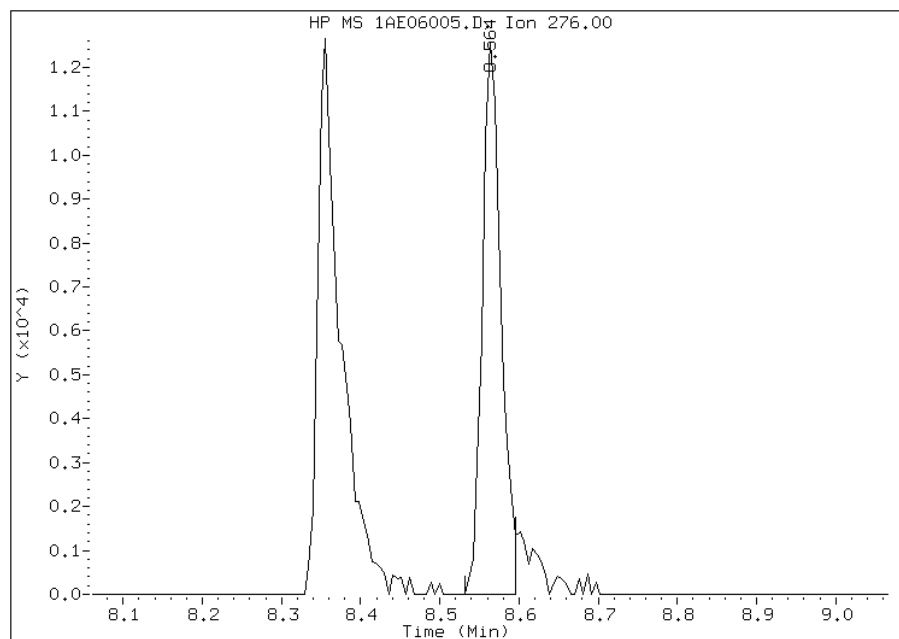
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06005.D
Inj. Date and Time: 06-MAY-2013 10:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

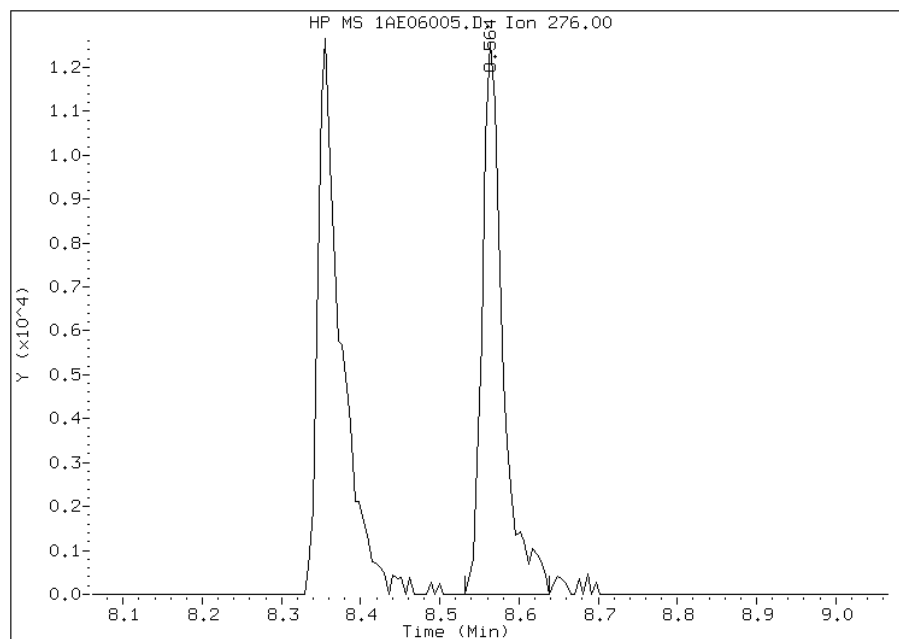
Processing Integration Results

RT: 8.56
Response: 20567
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.56
Response: 22641
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 06-May-2013 12:55
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06006.D
 Lab Smp Id: IC-1531399
 Inj Date : 06-MAY-2013 11:11
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06006.D
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 10:56 Cal File: 1AE06005.D
 Als bottle: 6 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
* 1 Naphthalene-d8	136		2.544	2.544	(1.000)	1300957	40.0000	
* 6 Acenaphthene-d10	164		3.569	3.575	(1.000)	627926	40.0000	
* 10 Phenanthrene-d10	188		4.520	4.520	(1.000)	1066875	40.0000	
\$ 14 o-Terphenyl	230		4.814	4.819	(1.065)	80011	5.00000	5.2399
* 18 Chrysene-d12	240		6.529	6.534	(1.000)	1008970	40.0000	
* 23 Perylene-d12	264		7.613	7.629	(1.000)	951721	40.0000	
2 Naphthalene	128		2.554	2.554	(1.004)	156392	5.00000	5.1047
3 2-Methylnaphthalene	141		2.960	2.960	(1.164)	81952	5.00000	5.2634
4 1-Methylnaphthalene	142		3.014	3.014	(1.185)	92797	5.00000	4.9724
5 Acenaphthylene	152		3.484	3.484	(0.976)	156651	5.00000	5.3091
7 Acenaphthene	154		3.585	3.591	(1.004)	86437	5.00000	5.1011
9 Fluorene	166		3.901	3.901	(1.093)	101320	5.00000	5.2469
11 Phenanthrene	178		4.531	4.536	(1.002)	136267	5.00000	5.1555
12 Anthracene	178		4.563	4.568	(1.009)	146994	5.00000	5.2208
13 Carbazole	167		4.697	4.702	(1.039)	139150	5.00000	5.4968(M)
15 Fluoranthene	202		5.391	5.396	(1.193)	156066	5.00000	5.1326
16 Pyrene	202		5.557	5.562	(0.851)	169550	5.00000	5.2278
17 Benzo(a)anthracene	228		6.524	6.523	(0.999)	138014	5.00000	4.8671
19 Chrysene	228		6.545	6.550	(1.002)	161246	5.00000	5.0539
20 Benzo(b)fluoranthene	252		7.336	7.346	(0.964)	126343	5.00000	5.0224
21 Benzo(k)fluoranthene	252		7.357	7.368	(0.966)	164403	5.00000	5.2680
22 Benzo(a)pyrene	252		7.565	7.576	(0.994)	129901	5.00000	5.0281
24 Indeno(1,2,3-cd)pyrene	276		8.361	8.388	(1.098)	104666	5.00000	4.8360(M)
25 Dibenzo(a,h)anthracene	278		8.388	8.415	(1.102)	118003	5.00000	5.3189(M)
26 Benzo(g,h,i)perylene	276		8.570	8.602	(1.126)	122623	5.00000	5.2687(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AE06006.D

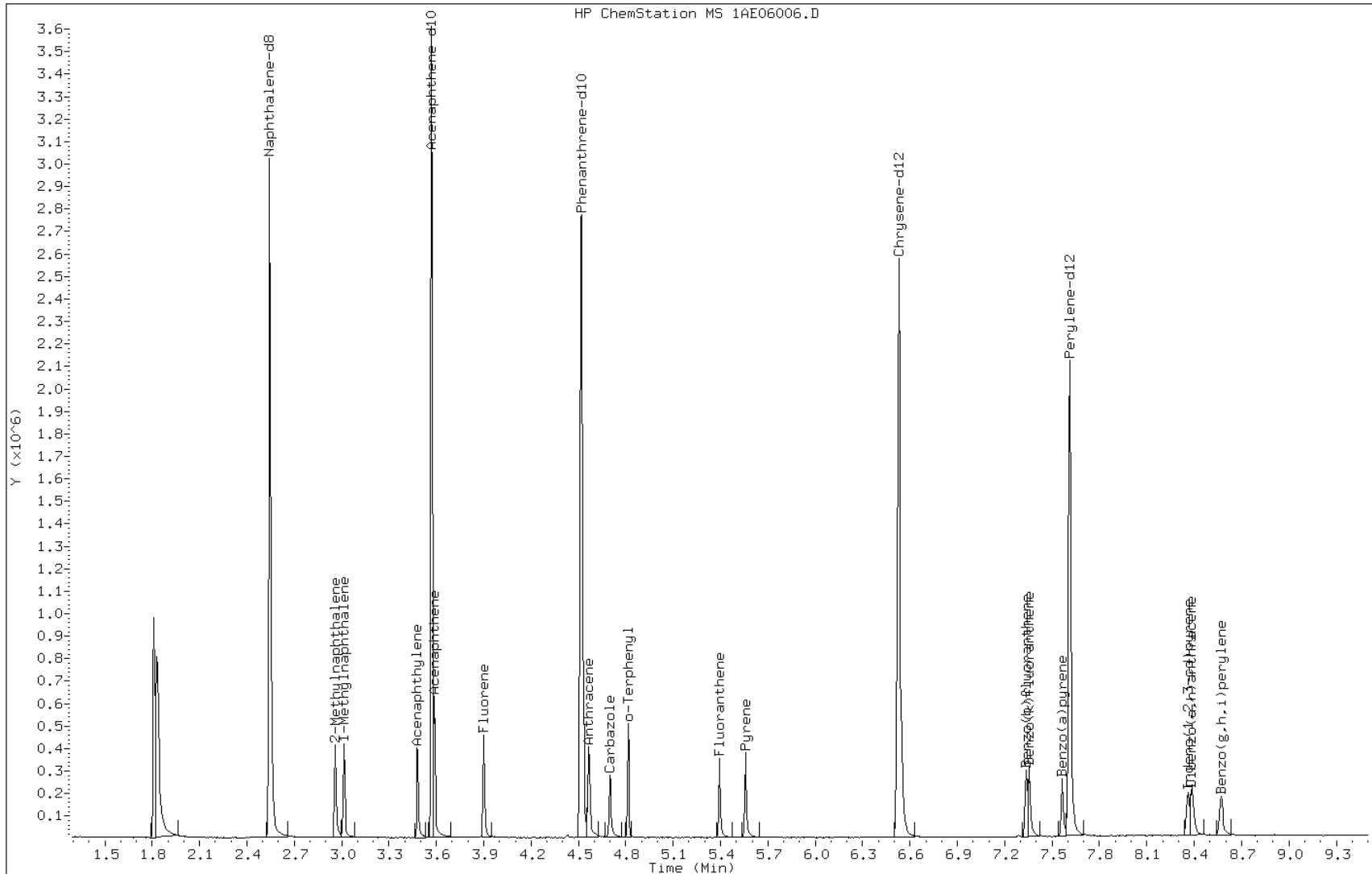
Date: 06-MAY-2013 11:11

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531399

Operator: SCC

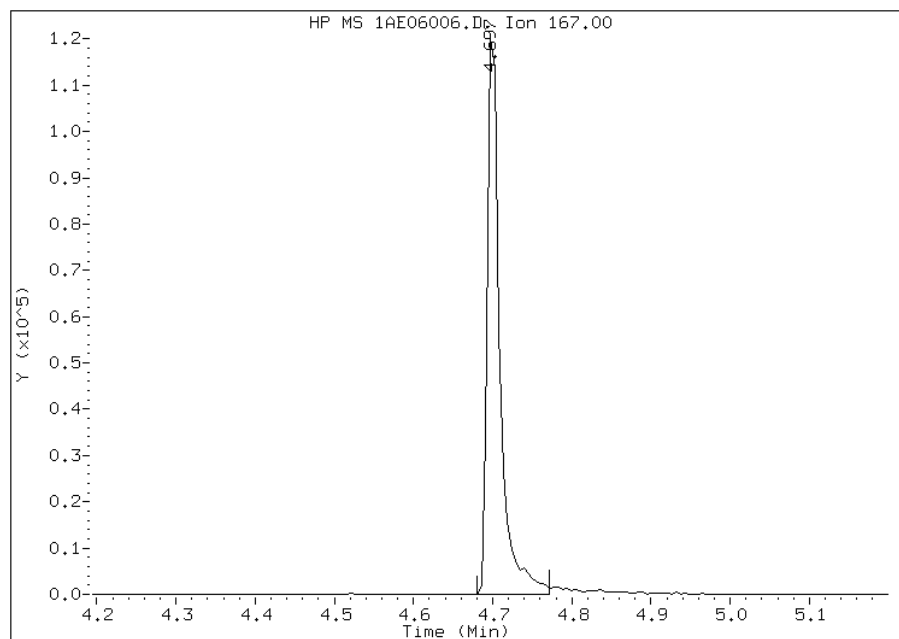


Manual Integration Report

Data File: 1AE06006.D
Inj. Date and Time: 06-MAY-2013 11:11
Instrument ID: BSMA5973.i
Client ID:
Compound: 13 Carbazole
CAS #: 86-74-8
Report Date: 05/06/2013

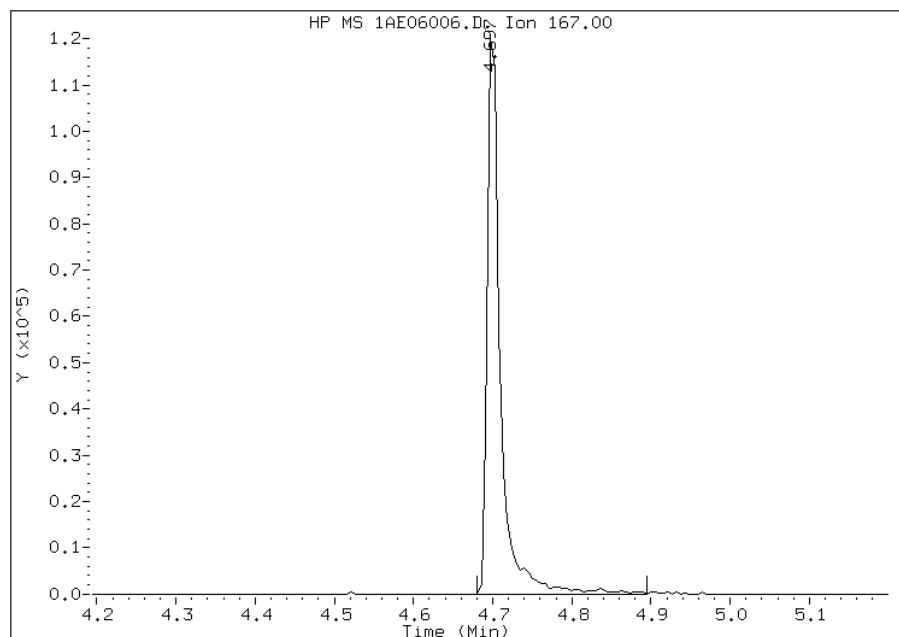
Processing Integration Results

RT: 4.70
Response: 132433
Amount: 5
Conc: 5



Manual Integration Results

RT: 4.70
Response: 139150
Amount: 5
Conc: 5



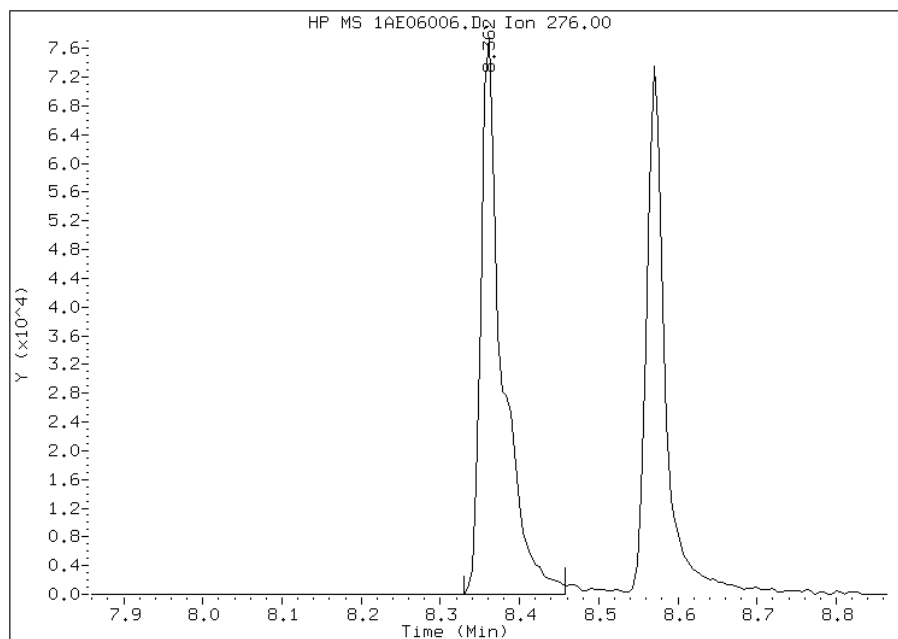
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:56
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06006.D
Inj. Date and Time: 06-MAY-2013 11:11
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

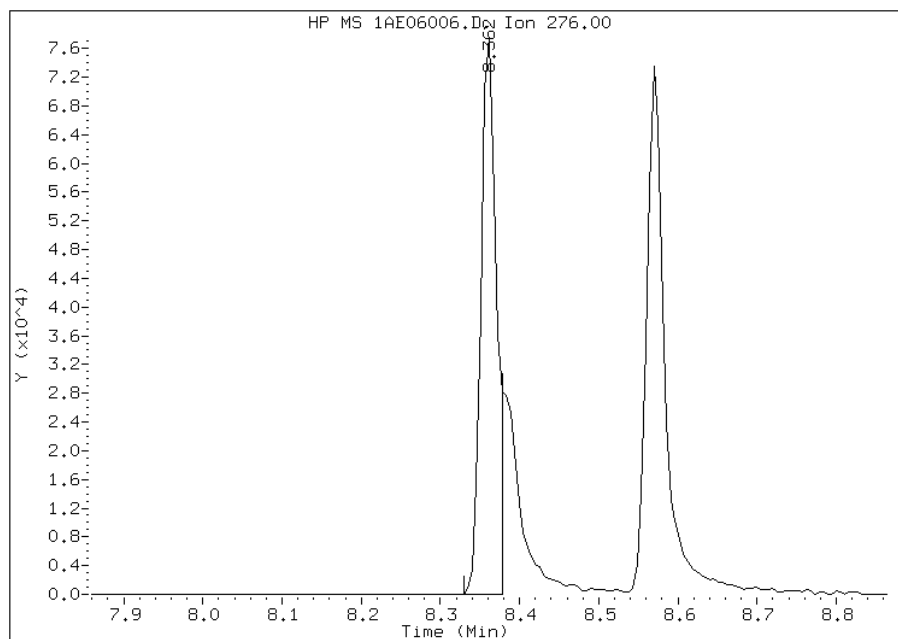
Processing Integration Results

RT: 8.36
Response: 144694
Amount: 6
Conc: 6



Manual Integration Results

RT: 8.36
Response: 104666
Amount: 5
Conc: 5



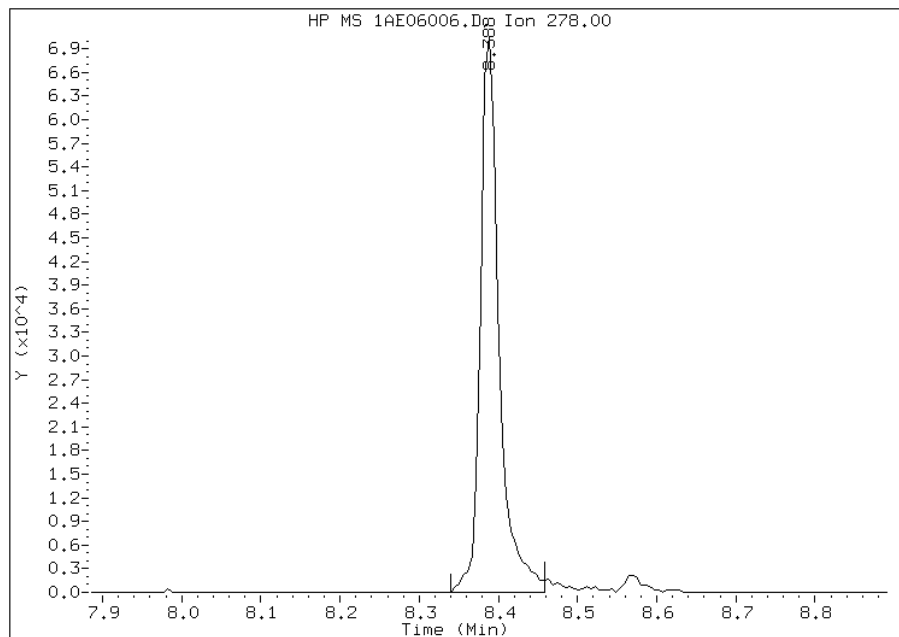
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:57
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AE06006.D
Inj. Date and Time: 06-MAY-2013 11:11
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

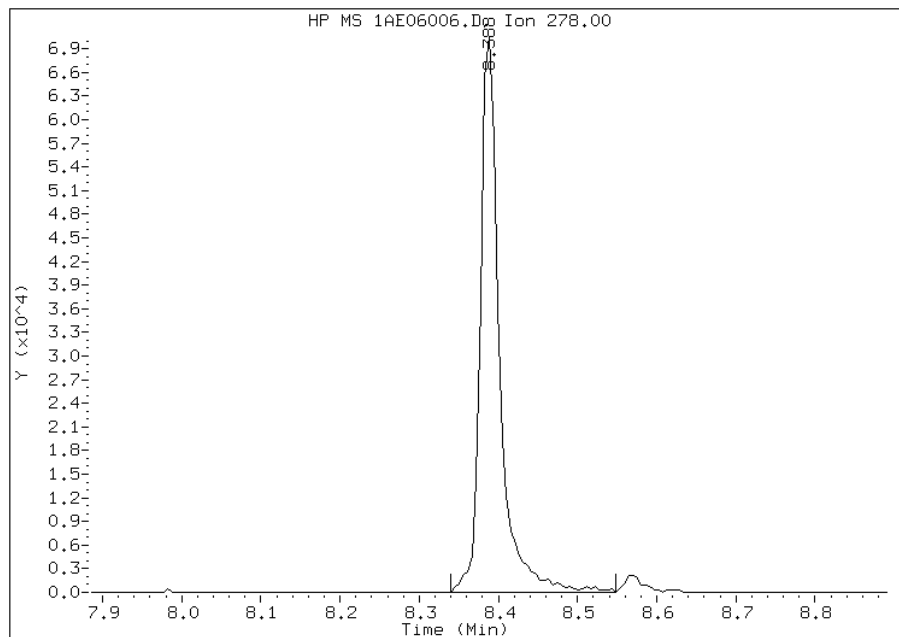
Processing Integration Results

RT: 8.39
Response: 114675
Amount: 5
Conc: 5



Manual Integration Results

RT: 8.39
Response: 118003
Amount: 5
Conc: 5



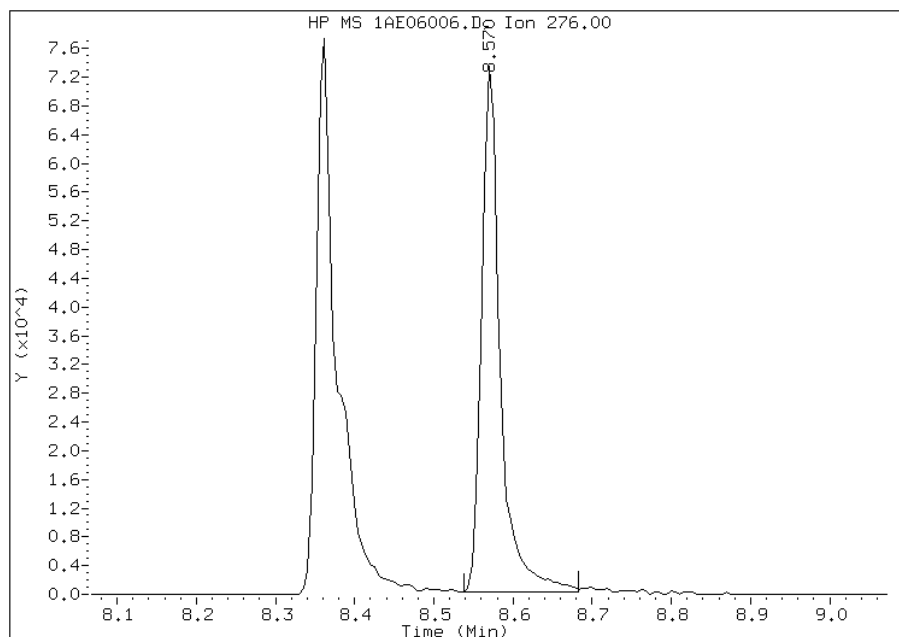
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AE06006.D
Inj. Date and Time: 06-MAY-2013 11:11
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

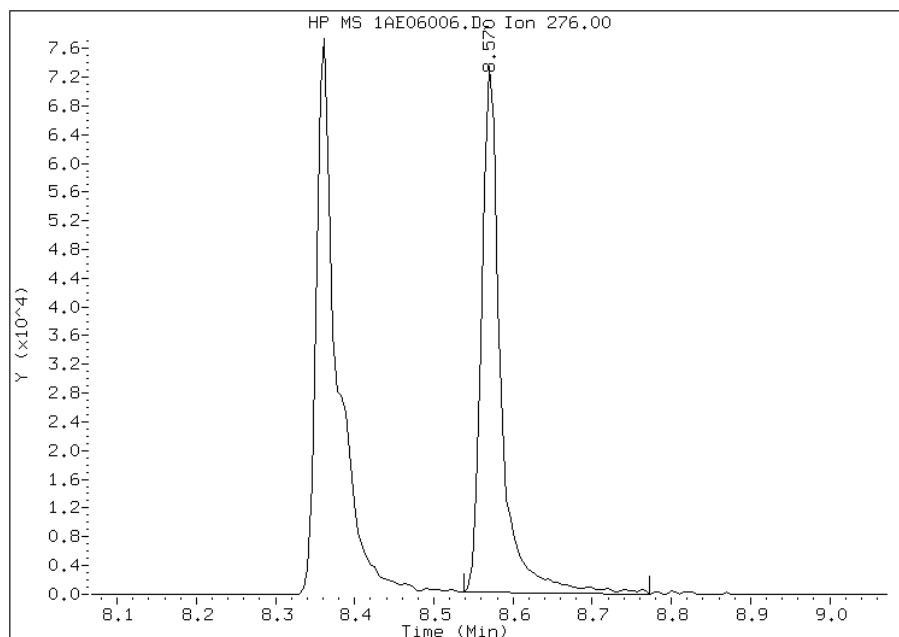
Processing Integration Results

RT: 8.57
Response: 119162
Amount: 5
Conc: 5



Manual Integration Results

RT: 8.57
Response: 122623
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 06-May-2013 12:57
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06007.D
 Lab Smp Id: IC-1531400
 Inj Date : 06-MAY-2013 11:26
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\a-bFASTPAHi-m.m
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 11:11 Cal File: 1AE06006.D
 Als bottle: 7 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		2.544	2.544	(1.000)	1250785	40.0000	
* 6 Acenaphthene-d10	164		3.569	3.575	(1.000)	625378	40.0000	
* 10 Phenanthrene-d10	188		4.515	4.520	(1.000)	1057947	40.0000	
\$ 14 o-Terphenyl	230		4.814	4.819	(1.066)	154345	10.0000	10.1934
* 18 Chrysene-d12	240		6.534	6.534	(1.000)	990305	40.0000	
* 23 Perylene-d12	264		7.613	7.629	(1.000)	956248	40.0000	
2 Naphthalene	128		2.554	2.554	(1.004)	301663	10.0000	10.2415
3 2-Methylnaphthalene	141		2.960	2.960	(1.164)	150716	10.0000	10.0682
4 1-Methylnaphthalene	142		3.014	3.014	(1.185)	180349	10.0000	10.0514
5 Acenaphthylene	152		3.484	3.484	(0.976)	305312	10.0000	10.3897
7 Acenaphthene	154		3.586	3.591	(1.004)	170588	10.0000	10.1084
9 Fluorene	166		3.901	3.901	(1.093)	192234	10.0000	9.9956
11 Phenanthrene	178		4.531	4.536	(1.004)	258887	10.0000	9.8774
12 Anthracene	178		4.568	4.568	(1.012)	283812	10.0000	10.1653
13 Carbazole	167		4.702	4.702	(1.041)	256614	10.0000	10.2225
15 Fluoranthene	202		5.396	5.396	(1.195)	302969	10.0000	10.0480
16 Pyrene	202		5.557	5.562	(0.850)	327292	10.0000	10.2817
17 Benzo(a)anthracene	228		6.518	6.523	(0.998)	257936	10.0000	9.2676
19 Chrysene	228		6.550	6.550	(1.002)	314241	10.0000	10.0348
20 Benzo(b)fluoranthene	252		7.336	7.346	(0.964)	236568	10.0000	9.3596
21 Benzo(k)fluoranthene	252		7.357	7.368	(0.966)	337219	10.0000	10.7544
22 Benzo(a)pyrene	252		7.565	7.576	(0.994)	263990	10.0000	10.1700
24 Indeno(1,2,3-cd)pyrene	276		8.361	8.388	(1.098)	216924	10.0000	9.9754(M)
25 Dibenzo(a,h)anthracene	278		8.388	8.415	(1.102)	224688	10.0000	10.0798
26 Benzo(g,h,i)perylene	276		8.575	8.602	(1.126)	232133	10.0000	9.9268(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AE06007.D

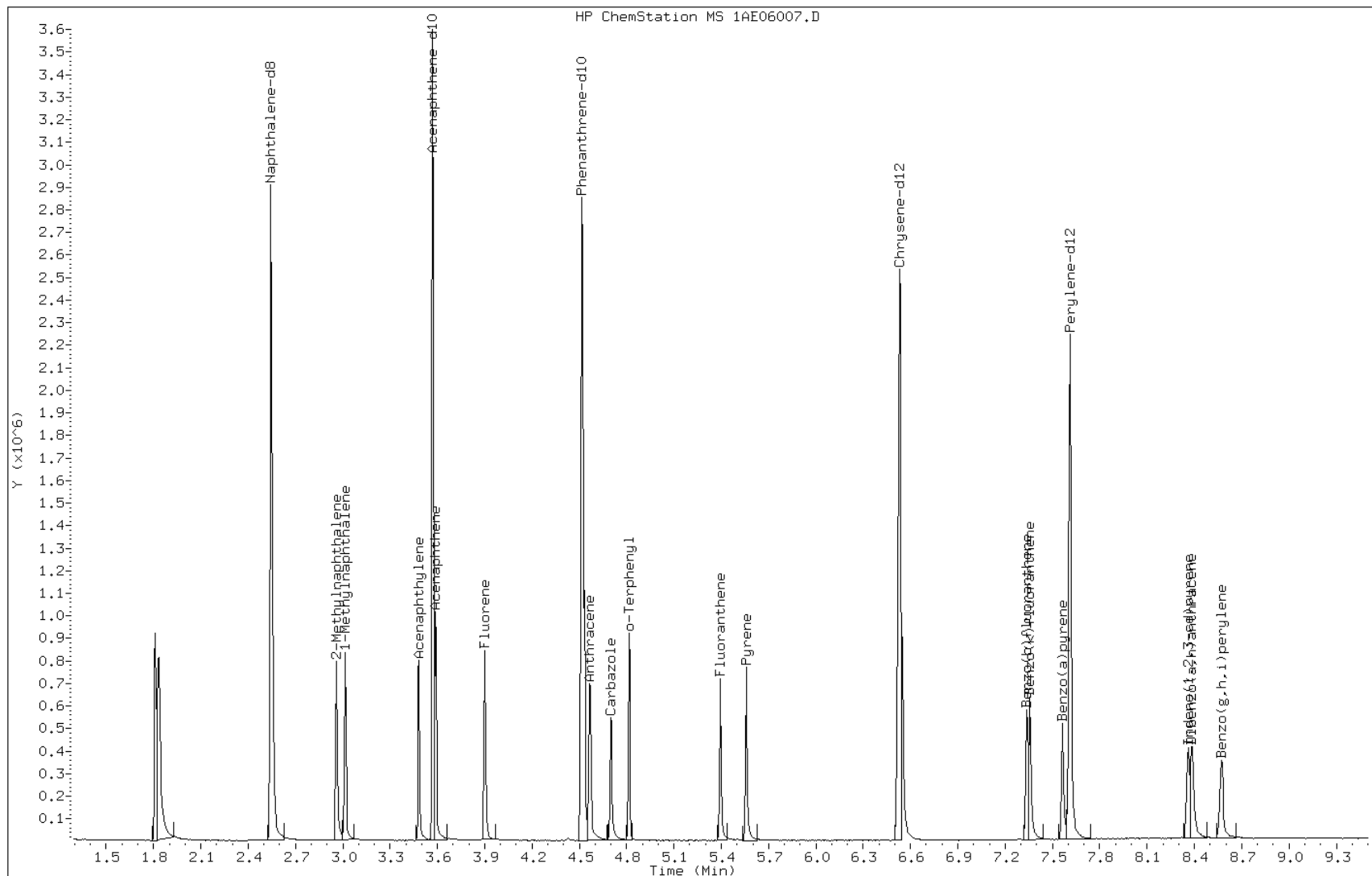
Date: 06-MAY-2013 11:26

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531400

Operator: SCC

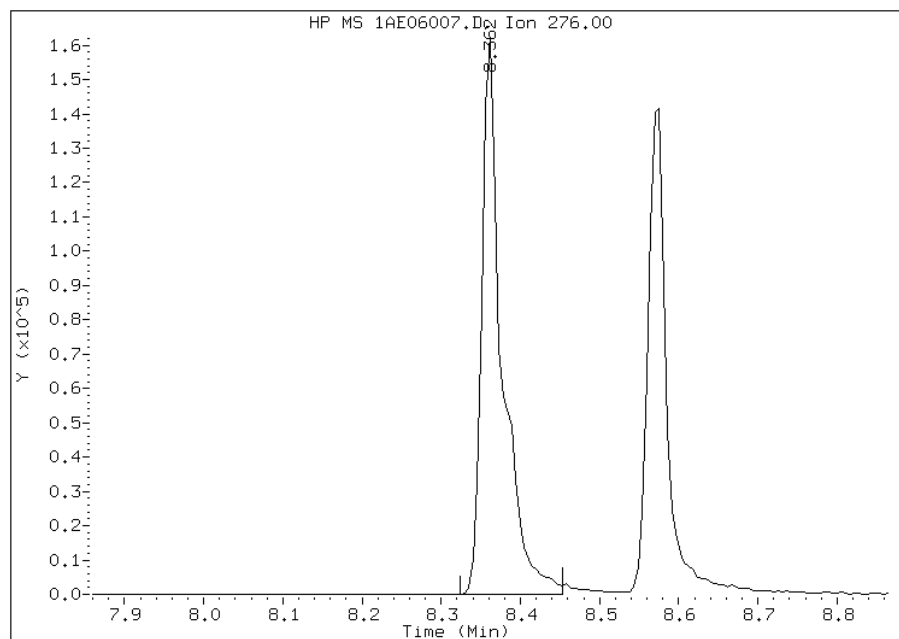


Manual Integration Report

Data File: 1AE06007.D
Inj. Date and Time: 06-MAY-2013 11:26
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

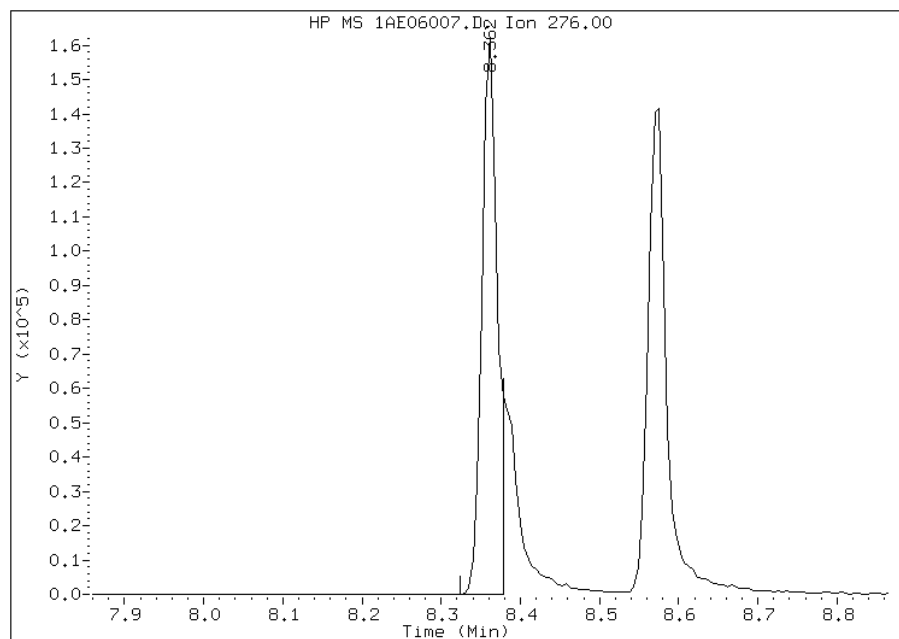
Processing Integration Results

RT: 8.36
Response: 287823
Amount: 13
Conc: 13



Manual Integration Results

RT: 8.36
Response: 216924
Amount: 10
Conc: 10



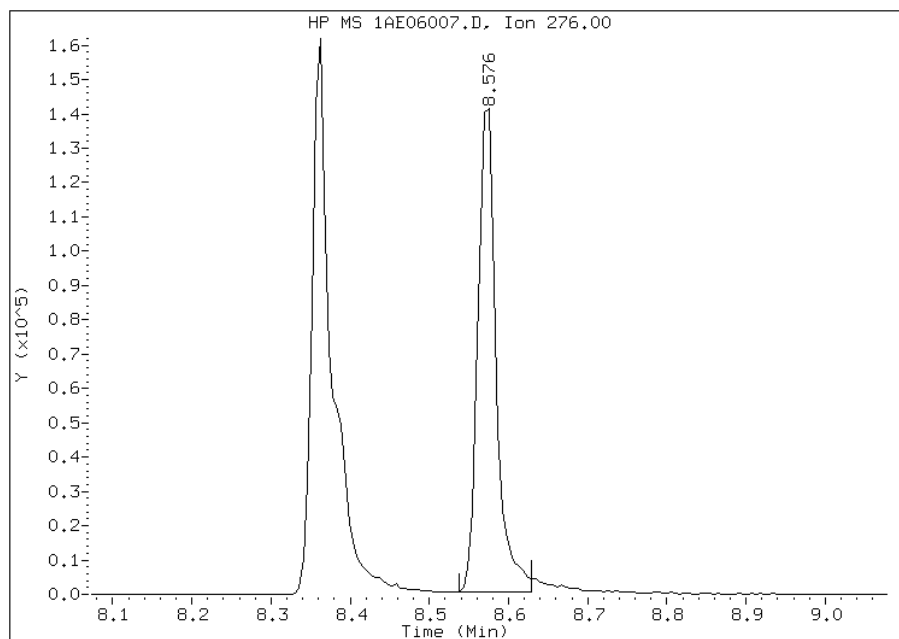
Manually Integrated By: cantins
Modification Date: 06-May-2013 12:58
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AE06007.D
Inj. Date and Time: 06-MAY-2013 11:26
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

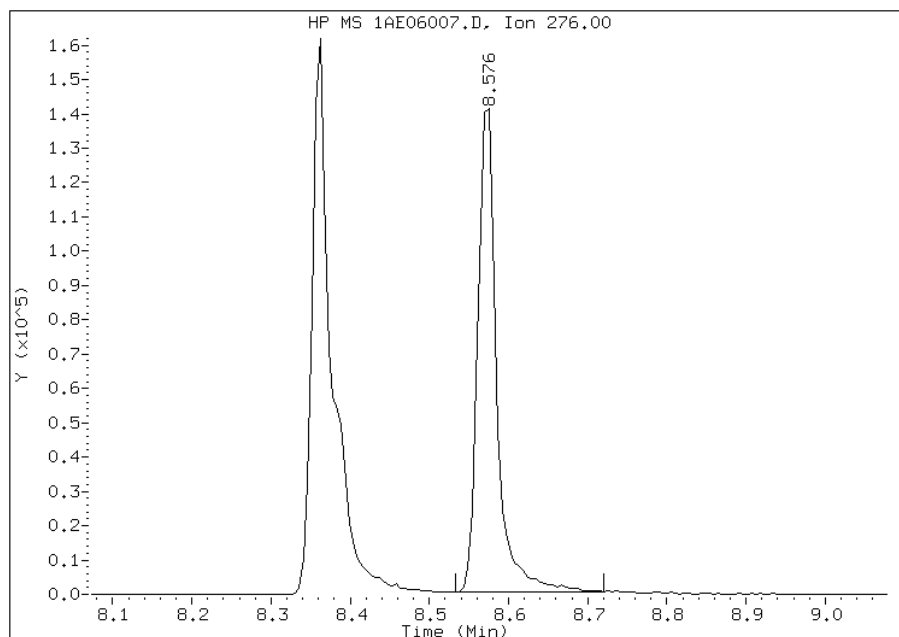
Processing Integration Results

RT: 8.58
Response: 224520
Amount: 9
Conc: 9



Manual Integration Results

RT: 8.58
Response: 232133
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 06-May-2013 12:58
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06008.D
 Lab Smp Id: IC-1531402
 Inj Date : 06-MAY-2013 11:41
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\a-bFASTPAHi-m.m
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 11:26 Cal File: 1AE06007.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.543	2.544	(1.000)	1147240	40.0000	
* 6 Acenaphthene-d10	164	3.569	3.575	(1.000)	572111	40.0000	
* 10 Phenanthrene-d10	188	4.519	4.520	(1.000)	993324	40.0000	
\$ 14 o-Terphenyl	230	4.819	4.819	(1.066)	410873	30.0000	28.9008
* 18 Chrysene-d12	240	6.533	6.534	(1.000)	899878	40.0000	
* 23 Perylene-d12	264	7.618	7.629	(1.000)	841369	40.0000	
2 Naphthalene	128	2.554	2.554	(1.004)	837016	30.0000	30.9816
3 2-Methylnaphthalene	141	2.959	2.960	(1.164)	419604	30.0000	30.5606
4 1-Methylnaphthalene	142	3.018	3.014	(1.187)	490403	30.0000	29.7987
5 Acenaphthylene	152	3.483	3.484	(0.976)	801835	30.0000	29.8269
7 Acenaphthene	154	3.590	3.591	(1.006)	419418	30.0000	27.1672
9 Fluorene	166	3.905	3.901	(1.094)	547833	30.0000	31.1380
11 Phenanthrene	178	4.535	4.536	(1.004)	711095	30.0000	28.8959
12 Anthracene	178	4.567	4.568	(1.011)	778079	30.0000	29.6817
13 Carbazole	167	4.701	4.702	(1.040)	692413	30.0000	29.3775
15 Fluoranthene	202	5.396	5.396	(1.194)	862141	30.0000	30.4532
16 Pyrene	202	5.561	5.562	(0.851)	882847	30.0000	30.5213
17 Benzo(a)anthracene	228	6.523	6.523	(0.998)	735367	30.0000	29.0768
19 Chrysene	228	6.555	6.550	(1.003)	809687	30.0000	28.4545
20 Benzo(b)fluoranthene	252	7.345	7.346	(0.964)	752076	30.0000	33.8181
21 Benzo(k)fluoranthene	252	7.367	7.368	(0.967)	813163	30.0000	29.4740
22 Benzo(a)pyrene	252	7.570	7.576	(0.994)	732885	30.0000	32.0890
24 Indeno(1,2,3-cd)pyrene	276	8.376	8.388	(1.100)	621385	30.0000	32.4764
25 Dibenzo(a,h)anthracene	278	8.403	8.415	(1.103)	609787	30.0000	31.0911
26 Benzo(g,h,i)perylene	276	8.590	8.602	(1.128)	633546	30.0000	30.7920

Data File: 1AE06008.D

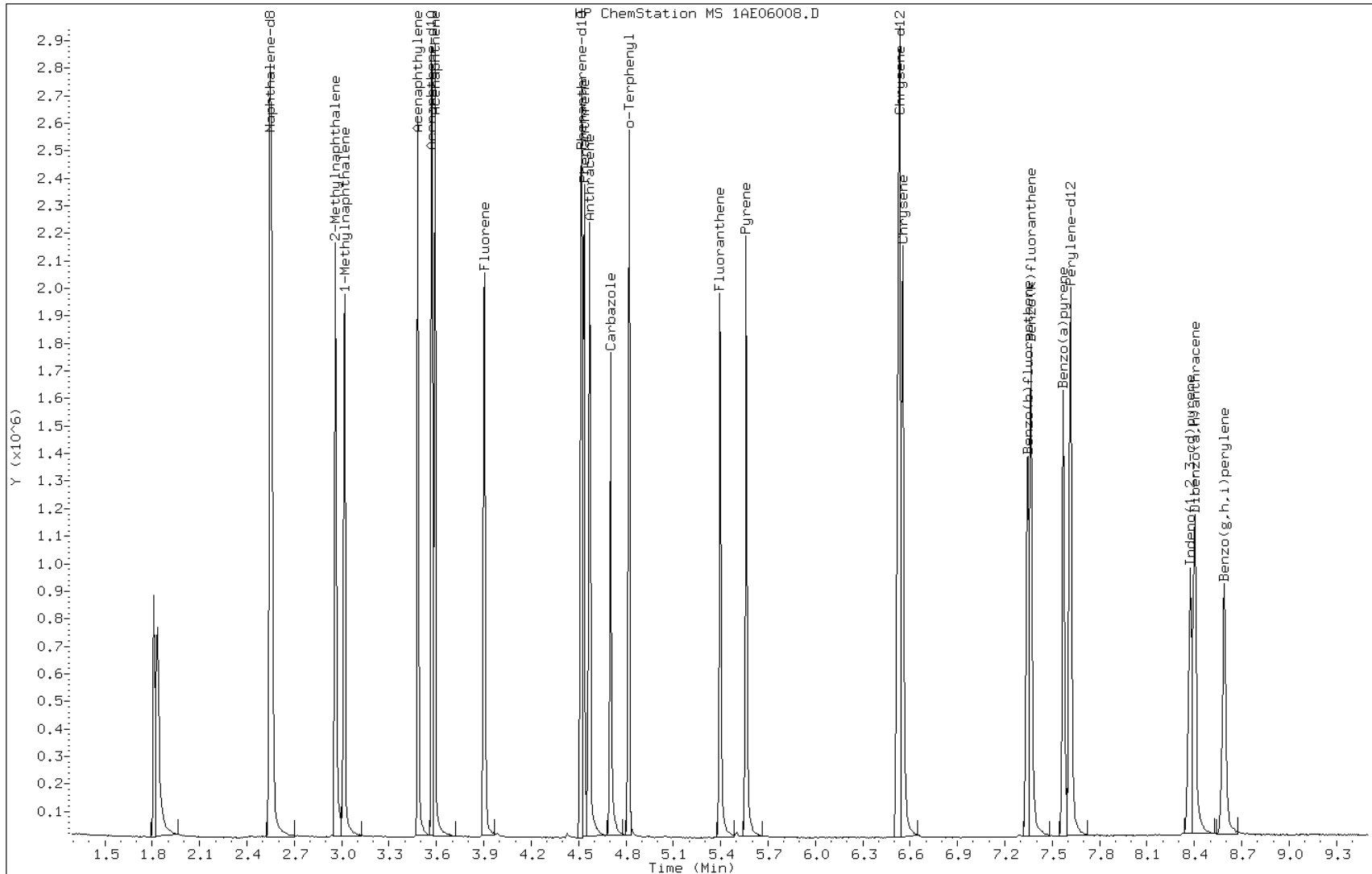
Date: 06-MAY-2013 11:41

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531402

Operator: SCC



TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06009.D
 Lab Smp Id: IC-1531403
 Inj Date : 06-MAY-2013 11:56
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06009.D
 Meth Date : 06-May-2013 12:59 BSMA5973.i Quant Type: ISTD
 Cal Date : 06-MAY-2013 11:41 Cal File: 1AE06008.D
 Als bottle: 9 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/ml)	(ug/ml)
* 1 Naphthalene-d8			136	2.548	2.544	(1.000)	1212217	40.0000	
* 6 Acenaphthene-d10			164	3.574	3.575	(1.000)	607535	40.0000	
* 10 Phenanthrene-d10			188	4.519	4.520	(1.000)	1039476	40.0000	
\$ 14 o-Terphenyl			230	4.824	4.819	(1.067)	697232	50.0000	46.8659
* 18 Chrysene-d12			240	6.539	6.534	(1.000)	921157	40.0000	
* 23 Perylene-d12			264	7.618	7.629	(1.000)	881033	40.0000	
2 Naphthalene			128	2.559	2.554	(1.004)	1397244	50.0000	48.9459
3 2-Methylnaphthalene			141	2.965	2.960	(1.163)	745285	50.0000	51.3711(A)
4 1-Methylnaphthalene			142	3.018	3.014	(1.184)	770690	50.0000	44.3198
5 Acenaphthylene			152	3.483	3.484	(0.975)	1396662	50.0000	48.9242
7 Acenaphthene			154	3.590	3.591	(1.004)	743745	50.0000	45.3661
9 Fluorene			166	3.905	3.901	(1.093)	887590	50.0000	47.5077
11 Phenanthrene			178	4.535	4.536	(1.004)	1241024	50.0000	48.1910
12 Anthracene			178	4.573	4.568	(1.012)	1388133	50.0000	50.6026(AM)
13 Carbazole			167	4.706	4.702	(1.041)	1222783	50.0000	49.5765
15 Fluoranthene			202	5.401	5.396	(1.195)	1515990	50.0000	51.1715(A)
16 Pyrene			202	5.566	5.562	(0.851)	1521255	50.0000	51.3772(A)
17 Benzo(a)anthracene			228	6.528	6.523	(0.998)	1323236	50.0000	51.1129(A)
19 Chrysene			228	6.560	6.550	(1.003)	1361261	50.0000	46.7332
20 Benzo(b)fluoranthene			252	7.351	7.346	(0.965)	1327571	50.0000	57.0086(A)
21 Benzo(k)fluoranthene			252	7.372	7.368	(0.968)	1352818	50.0000	46.8269(H)
22 Benzo(a)pyrene			252	7.580	7.576	(0.995)	1252292	50.0000	52.3625(A)
24 Indeno(1,2,3-cd)pyrene			276	8.382	8.388	(1.100)	1152680	50.0000	57.5322(A)
25 Dibenzo(a,h)anthracene			278	8.414	8.415	(1.104)	1076428	50.0000	52.4129(A)
26 Benzo(g,h,i)perylene			276	8.606	8.602	(1.130)	1116517	50.0000	51.8227(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1AE06009.D

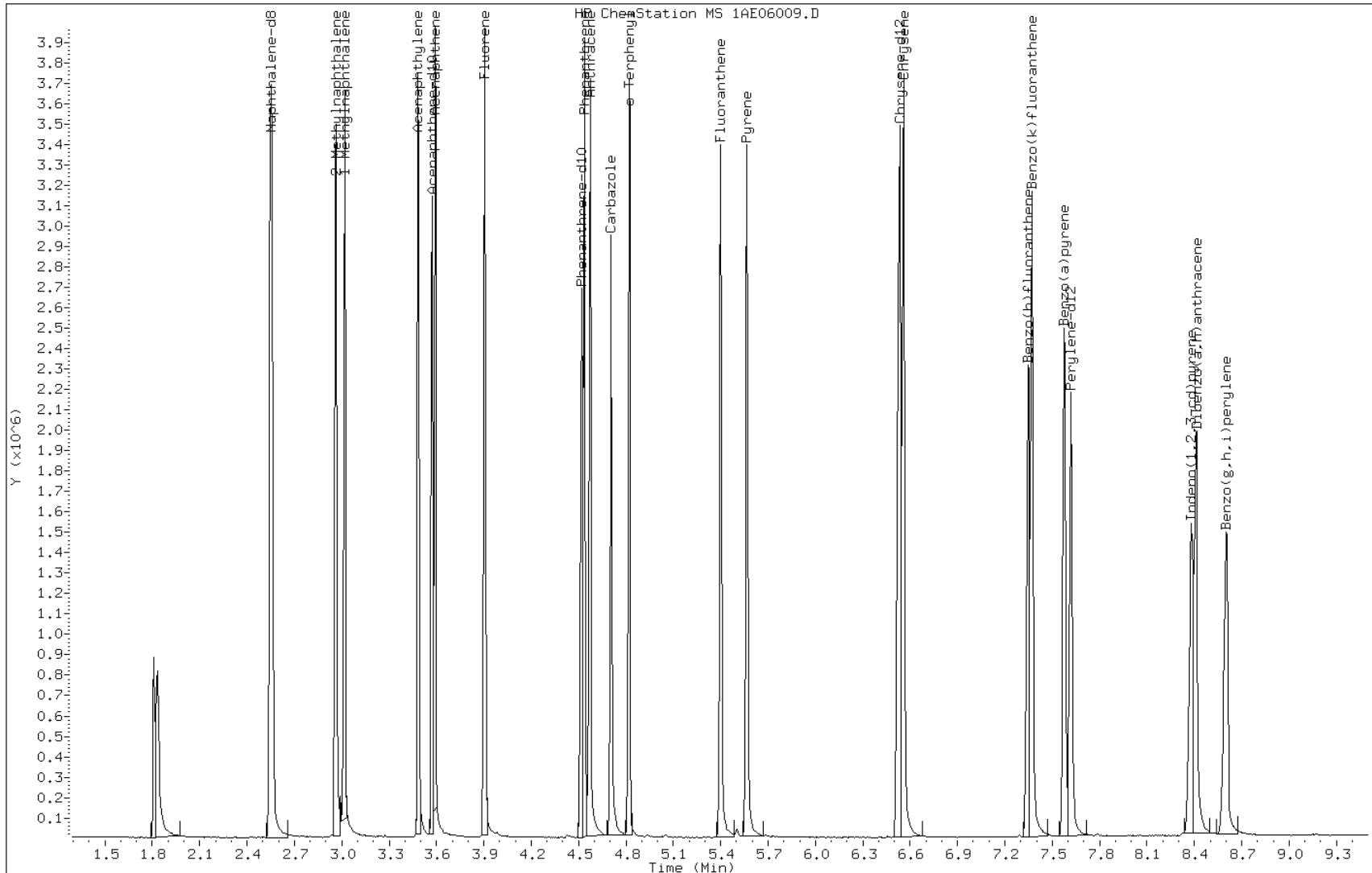
Date: 06-MAY-2013 11:56

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531403

Operator: SCC

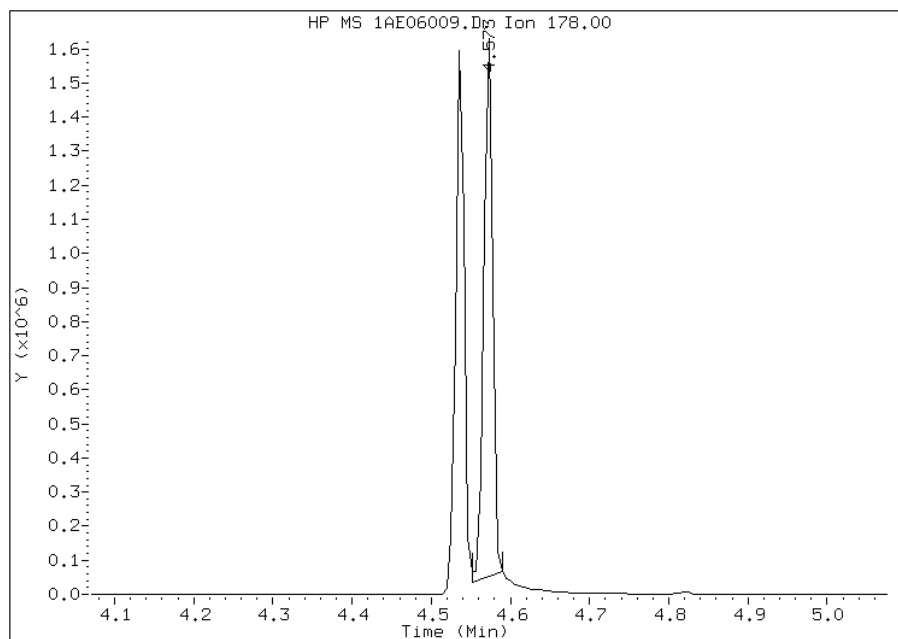


Manual Integration Report

Data File: 1AE06009.D
Inj. Date and Time: 06-MAY-2013 11:56
Instrument ID: BSMA5973.i
Client ID:
Compound: 12 Anthracene
CAS #: 120-12-7
Report Date: 05/06/2013

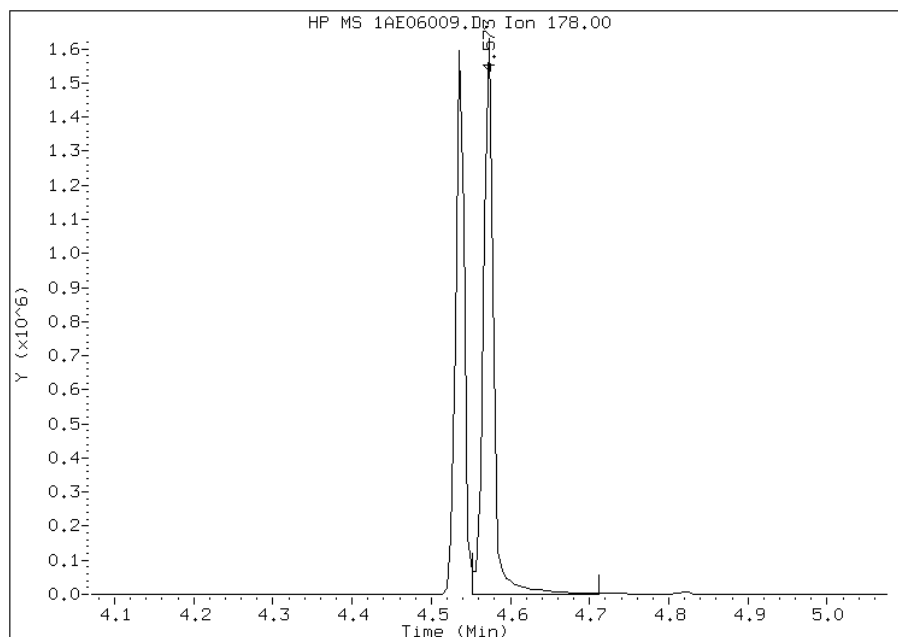
Processing Integration Results

RT: 4.57
Response: 1176629
Amount: 43
Conc: 43



Manual Integration Results

RT: 4.57
Response: 1388133
Amount: 51
Conc: 51



Manually Integrated By: cantins
Modification Date: 06-May-2013 12:59
Manual Integration Reason: Baseline Event

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136164

SDG No.: 68089791-3

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136164/15	1DD04007.D
Level 2	IC 660-136164/16	1DD04008.D
Level 3	IC 660-136164/17	1DD04009.D
Level 4	IC 660-136164/18	1DD04010.D
Level 5	ICIS 660-136164/19	1DD04011.D
Level 6	IC 660-136164/20	1DD04012.D
Level 7	IC 660-136164/21	1DD04013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Naphthalene	0.9331 1.0230	0.9606 1.0509	1.0286	0.9649	0.9984	Ave	0.9942			0.0000	4.3		15.0				
2-Methylnaphthalene	0.5806 0.6693	0.6114 0.6984	0.6517	0.6297	0.6515	Ave	0.6418			0.0000	6.0		15.0				
1-Methylnaphthalene	0.5558 0.6314	0.5782 0.6544	0.6189	0.5919	0.6119	Ave	0.6061			0.0000	5.5		15.0				
Acenaphthylene	1.4312 1.8297	1.5518 1.8878	1.7317	1.6795	1.7392	Ave	1.6930			0.0000	9.3		15.0				
Acenaphthene	1.0016 1.0873	0.9902 1.1219	1.0649	1.0164	1.0329	Ave	1.0450			0.0000	4.6		15.0				
Fluorene	1.1332 1.3072	1.1795 1.3301	1.2333	1.2265	1.2526	Ave	1.2375			0.0000	5.5		15.0				
Phenanthrene	1.0628 1.1227	1.0409 1.1914	1.1226	1.0753	1.0969	Ave	1.1018			0.0000	4.5		15.0				
Anthracene	0.9667 1.1508	1.0104 1.2102	1.1116	1.0846	1.1206	Ave	1.0936			0.0000	7.6		15.0				
Carbazole	0.8539 0.9974	0.9170 1.0575	0.9788	0.9568	0.9906	Ave	0.9646			0.0000	6.7		15.0				
Fluoranthene	1.0349 1.1765	1.0636 1.2407	1.1552	1.1188	1.1468	Ave	1.1338			0.0000	6.1		15.0				
Pyrene	1.1042 1.2400	1.1445 1.2796	1.2302	1.1952	1.2147	Ave	1.2012			0.0000	5.0		15.0				
Benzo[a]anthracene	1.5223 1.0884	1.1349 1.0935	1.1146	1.0605	1.0812	Ave	1.1565			0.0000	14.1		15.0				
Chrysene	1.1462 1.0803	1.0503 1.1335	1.0831	1.0383	1.0590	Ave	1.0844			0.0000	3.8		15.0				
Benzo[b]fluoranthene	0.9638 1.0305	0.9264 1.0697	1.0233	0.9705	1.0102	Ave	0.9992			0.0000	4.8		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136164

SDG No.: 68089791-3

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Benzo[k]fluoranthene	0.9941 1.0870	1.0278 1.1123	1.0413	1.0574	1.0488	Ave		1.0527			0.0000	3.7		15.0			
Benzo[a]pyrene	0.9363 1.0554	0.9330 1.0817	1.0086	0.9978	1.0150	Ave		1.0040			0.0000	5.5		15.0			
Indeno[1,2,3-cd]pyrene	0.9719 1.1444	1.0047 1.2203	1.0673	1.0253	1.0598	Ave		1.0705			0.0000	8.0		15.0			
Dibenz(a,h)anthracene	1.0008 1.0474	0.9200 1.0891	1.0022	0.9846	1.0127	Ave		1.0081			0.0000	5.2		15.0			
Benzo[g,h,i]perylene	0.9959 1.0588	1.0032 1.0675	1.0494	1.0184	1.0221	Ave		1.0308			0.0000	2.7		15.0			
o-Terphenyl	0.5239 0.6240	0.5611 0.6847	0.6139	0.5898	0.6214	Ave		0.6027			0.0000	8.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136164

SDG No.: 68089791-3

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-136164/15	1DD04007.D
Level 2	IC 660-136164/16	1DD04008.D
Level 3	IC 660-136164/17	1DD04009.D
Level 4	IC 660-136164/18	1DD04010.D
Level 5	ICIS 660-136164/19	1DD04011.D
Level 6	IC 660-136164/20	1DD04012.D
Level 7	IC 660-136164/21	1DD04013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	11503 1777021	59216 3211548	316194	614716	1235557	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Ave	7158 1162560	37688 2134320	200332	401151	806286	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	6852 1096847	35645 1999874	190230	377068	757317	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	10298 1852399	56340 3396591	314191	620756	1275622	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	7207 1100779	35951 2018481	193205	375673	757590	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	8154 1323451	42826 2393163	223769	453336	918747	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Ave	12866 1932978	63070 3534794	338739	657435	1331875	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	11703 1981347	61222 3590722	335430	663091	1360668	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	10338 1717245	55563 3137679	295345	584967	1202897	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	12529 2025512	64445 3681257	348578	684049	1392506	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	13274 2181708	69252 3965627	374480	738839	1496990	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	Ave	18301 1914899	68675 3388838	339292	655565	1332372	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	13779 1900592	63553 3512644	329706	641842	1305118	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	12005 1811151	57946 3290902	323060	612455	1270704	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	12382 1910468	64288 3421834	328752	667284	1319239	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-89791-3 Analy Batch No.: 136164

SDG No.: 68089791-3

Instrument ID: BSMD5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/04/2013 13:49 Calibration End Date: 04/04/2013 16:04 Calibration ID: 2874

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7				LVL 6	LVL 7			
Benzo[a]pyrene	PRY	Ave	11662 1854979	58354 3327888	318431	629684	1276688	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	12106 2011375	62840 3754268	336963	647015	1333044	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	12466 1840819	57541 3350541	316396	621340	1273836	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	12405 1860821	62750 3284166	331324	642692	1285637	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Ave	6343 1074388	33997 2031596	185249	360585	754512	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04007.D
 Lab Smp Id: IC-1531396
 Inj Date : 04-APR-2013 13:49
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 5 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		6.091	6.091	(1.000)	2465524	40.0000	
* 6 Acenaphthene-d10	164		7.766	7.766	(1.000)	1439075	40.0000	
* 9 Phenanthrene-d10	188		9.023	9.023	(1.000)	2421253	40.0000	
\$ 13 o-Terphenyl	230		9.329	9.329	(1.034)	6343	0.20000	0.17
* 17 Chrysene-d12	240		11.338	11.338	(1.000)	2404329	40.0000	
* 22 Perylene-d12	264		13.165	13.165	(1.000)	2491199	40.0000	
2 Naphthalene	128		6.109	6.109	(1.003)	11503	0.20000	0.19
3 2-Methylnaphthalene	142		6.814	6.814	(1.119)	7158	0.20000	0.18
4 1-Methylnaphthalene	142		6.908	6.908	(1.134)	6852	0.20000	0.18
5 Acenaphthylene	152		7.637	7.637	(0.983)	10298	0.20000	0.17
7 Acenaphthene	154		7.789	7.789	(1.003)	7207	0.20000	0.19
8 Fluorene	166		8.236	8.236	(1.061)	8154	0.20000	0.18
10 Phenanthrene	178		9.041	9.041	(1.002)	12866	0.20000	0.19
11 Anthracene	178		9.082	9.082	(1.007)	11703	0.20000	0.18
12 Carbazole	167		9.223	9.223	(1.022)	10338	0.20000	0.18
14 Fluoranthene	202		10.022	10.022	(1.111)	12529	0.20000	0.18
15 Pyrene	202		10.210	10.210	(0.901)	13274	0.20000	0.18
16 Benzo(a)anthracene	228		11.321	11.321	(0.998)	18301	0.20000	0.28
18 Chrysene	228		11.356	11.356	(1.002)	13779	0.20000	0.21
19 Benzo(b)fluoranthene	252		12.613	12.613	(0.958)	12005	0.20000	0.19
20 Benzo(k)fluoranthene	252		12.648	12.648	(0.961)	12382	0.20000	0.19
21 Benzo(a)pyrene	252		13.060	13.060	(0.992)	11662	0.20000	0.19
23 Indeno(1,2,3-cd)pyrene	276		14.734	14.734	(1.119)	12106	0.20000	0.18(M)
24 Dibenzo(a,h)anthracene	278		14.758	14.758	(1.121)	12466	0.20000	0.20(M)
25 Benzo(g,h,i)perylene	276		15.175	15.175	(1.153)	12405	0.20000	0.19

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04007.D

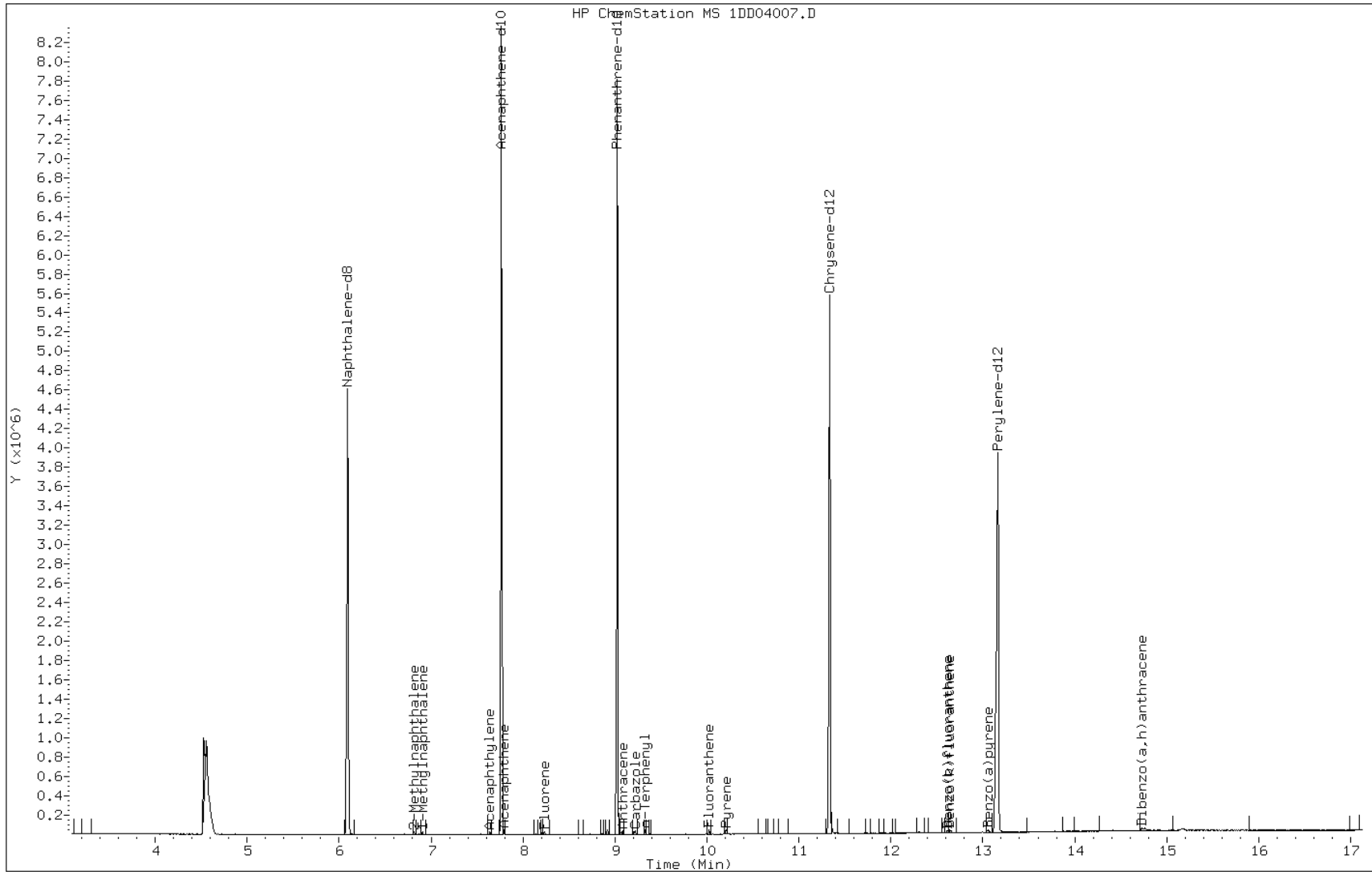
Date: 04-APR-2013 13:49

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531396

Operator: SCC

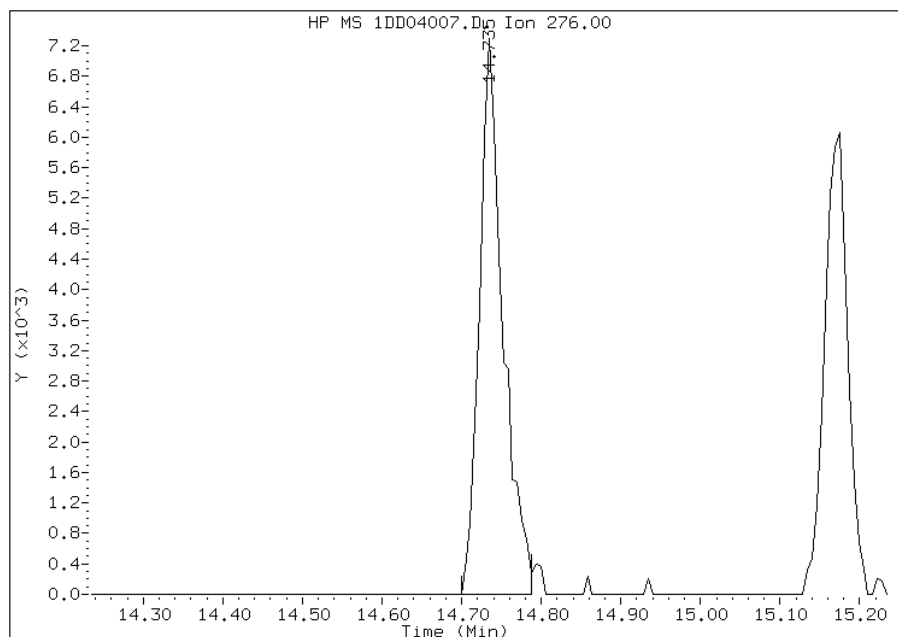


Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

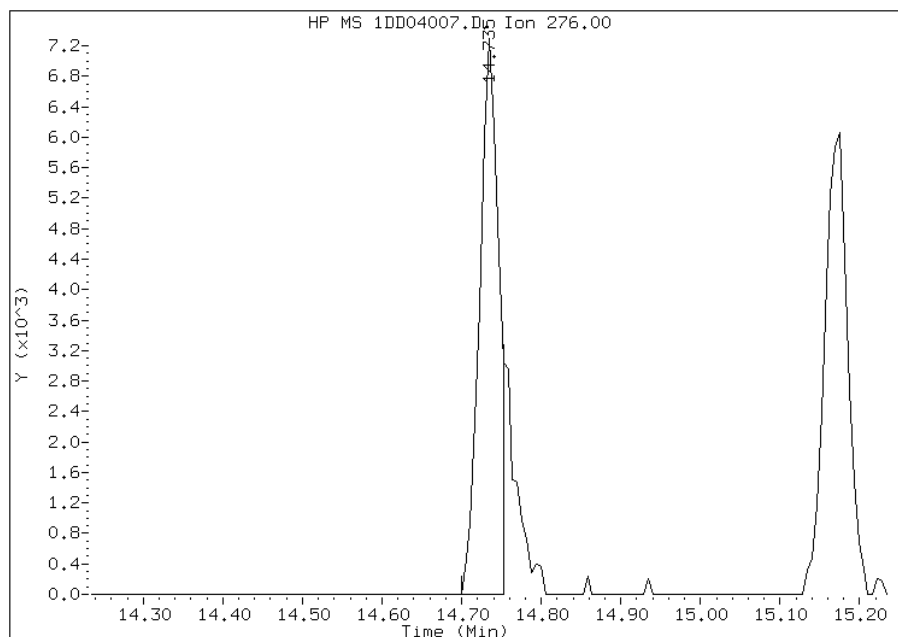
Processing Integration Results

RT: 14.73
Response: 14910
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.73
Response: 12106
Amount: 0
Conc: 0



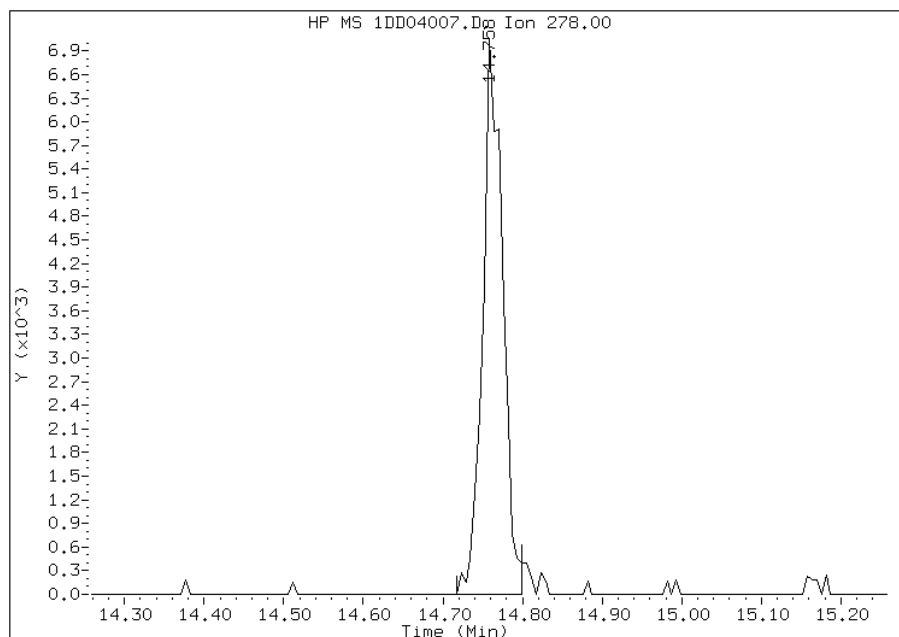
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04007.D
Inj. Date and Time: 04-APR-2013 13:49
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

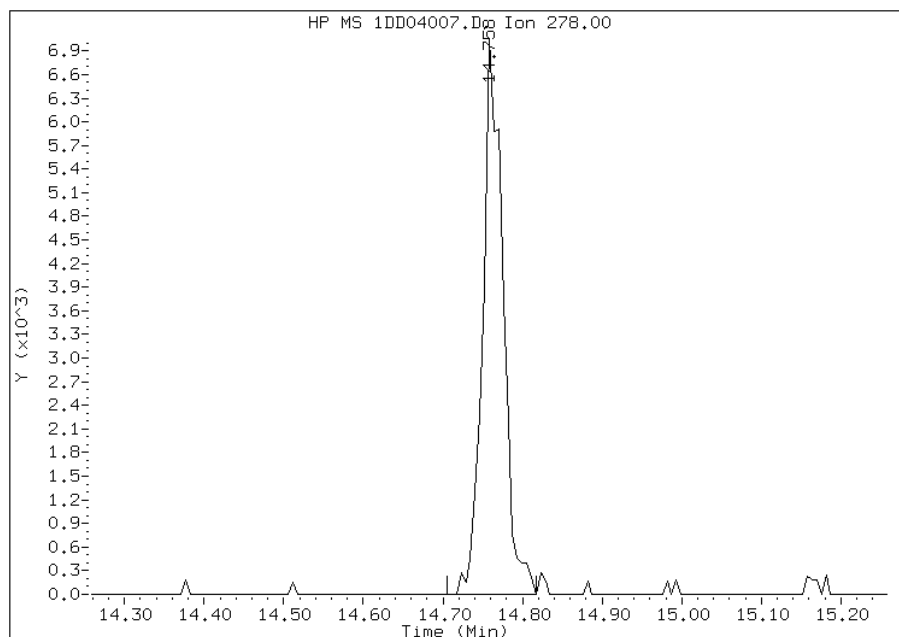
Processing Integration Results

RT: 14.76
Response: 12250
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.76
Response: 12466
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04008.D
 Lab Smp Id: IC-1531398
 Inj Date : 04-APR-2013 14:11
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 13:49 Cal File: 1DD04007.D
 Als bottle: 6 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	AMOUNTS					ON-COL
			MASS	RT	EXP RT	REL RT	RESPONSE	
* 1 Naphthalene-d8	136		6.089	6.089	(1.000)	2465772	40.0000	
* 6 Acenaphthene-d10	164		7.769	7.769	(1.000)	1452284	40.0000	
* 9 Phenanthrene-d10	188		9.027	9.027	(1.000)	2423707	40.0000	
\$ 13 o-Terphenyl	230		9.332	9.332	(1.034)	33997	1.00000	0.93
* 17 Chrysene-d12	240		11.336	11.336	(1.000)	2420423	40.0000	
* 22 Perylene-d12	264		13.163	13.163	(1.000)	2501899	40.0000	
2 Naphthalene	128		6.112	6.112	(1.004)	59216	1.00000	0.97
3 2-Methylnaphthalene	142		6.817	6.817	(1.120)	37688	1.00000	0.95
4 1-Methylnaphthalene	142		6.911	6.911	(1.135)	35645	1.00000	0.95
5 Acenaphthylene	152		7.640	7.640	(0.983)	56340	1.00000	0.92
7 Acenaphthene	154		7.793	7.793	(1.003)	35951	1.00000	0.95
8 Fluorene	166		8.233	8.233	(1.060)	42826	1.00000	0.95
10 Phenanthrene	178		9.038	9.038	(1.001)	63070	1.00000	0.94
11 Anthracene	178		9.080	9.080	(1.006)	61222	1.00000	0.92
12 Carbazole	167		9.221	9.221	(1.021)	55563	1.00000	0.95
14 Fluoranthene	202		10.020	10.020	(1.110)	64445	1.00000	0.94
15 Pyrene	202		10.208	10.208	(0.900)	69252	1.00000	0.95
16 Benzo(a)anthracene	228		11.318	11.318	(0.998)	68675	1.00000	1.0
18 Chrysene	228		11.359	11.359	(1.002)	63553	1.00000	0.97
19 Benzo(b)fluoranthene	252		12.611	12.611	(0.958)	57946	1.00000	0.93
20 Benzo(k)fluoranthene	252		12.646	12.646	(0.961)	64288	1.00000	0.98
21 Benzo(a)pyrene	252		13.057	13.057	(0.992)	58354	1.00000	0.93
23 Indeno(1,2,3-cd)pyrene	276		14.732	14.732	(1.119)	62840	1.00000	0.94(M)
24 Dibenzo(a,h)anthracene	278		14.761	14.761	(1.121)	57541	1.00000	0.91(M)
25 Benzo(g,h,i)perylene	276		15.167	15.167	(1.152)	62750	1.00000	0.97

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04008.D

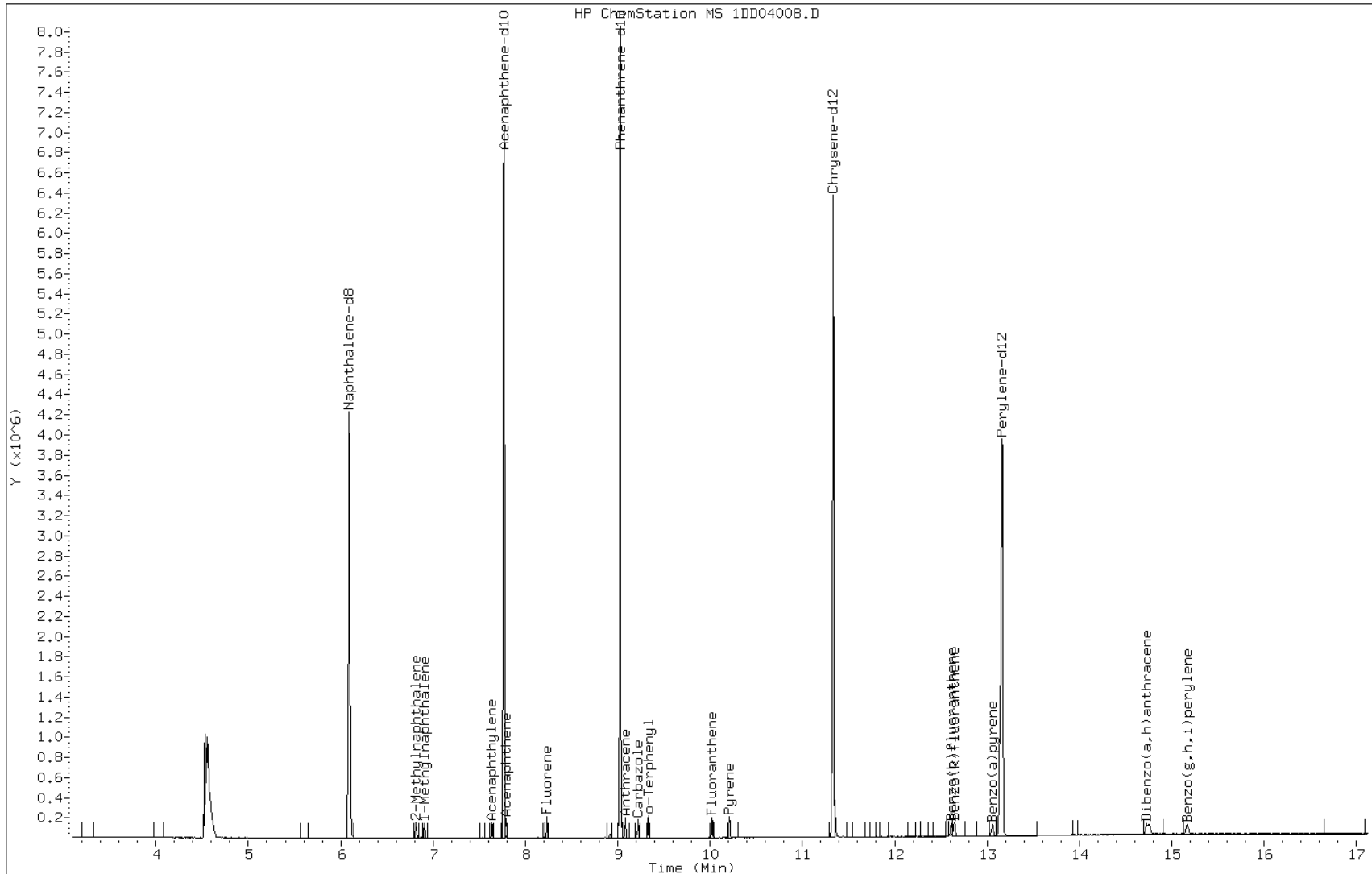
Date: 04-APR-2013 14:11

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531398

Operator: SCC

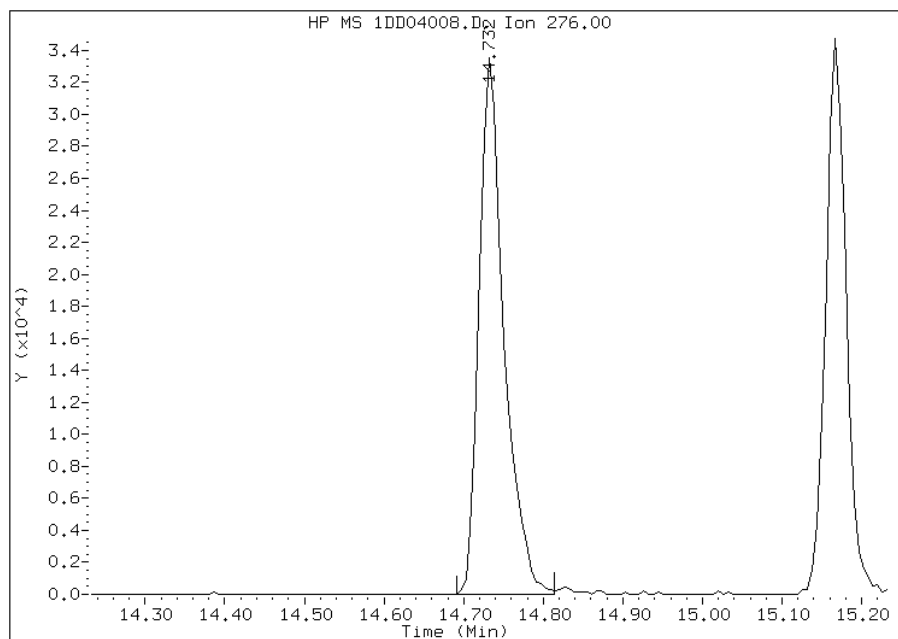


Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

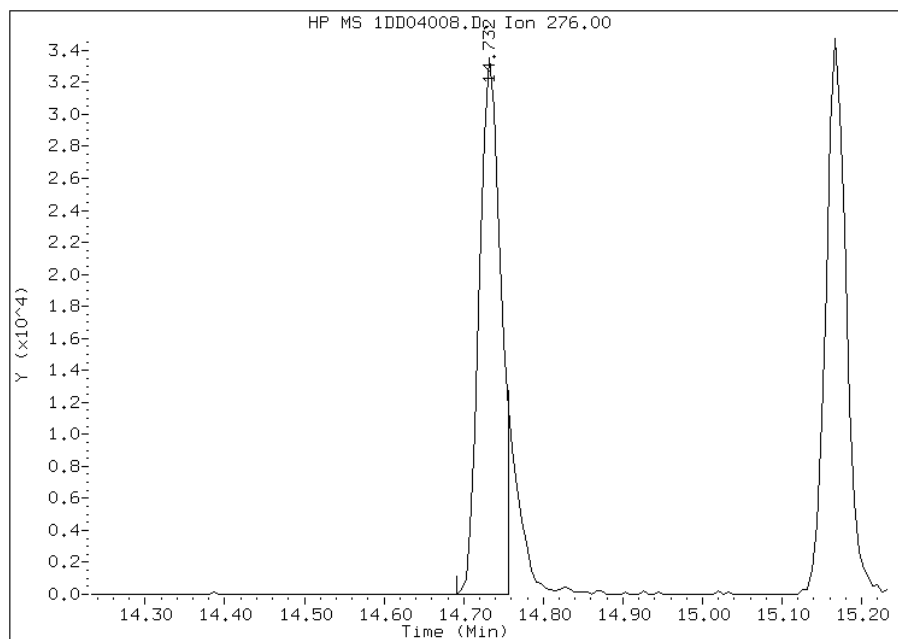
Processing Integration Results

RT: 14.73
Response: 72512
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.73
Response: 62840
Amount: 1
Conc: 1



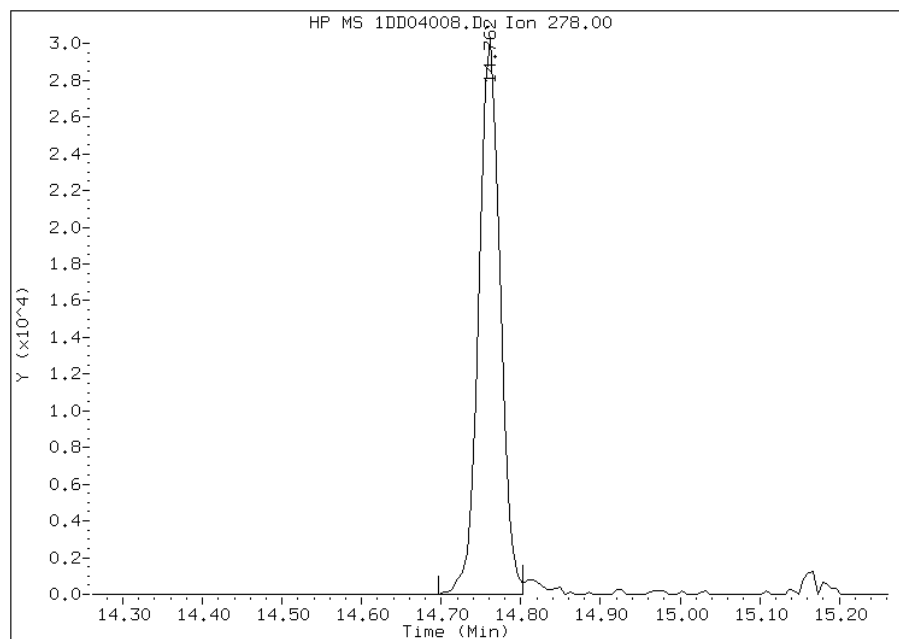
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DD04008.D
Inj. Date and Time: 04-APR-2013 14:11
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/05/2013

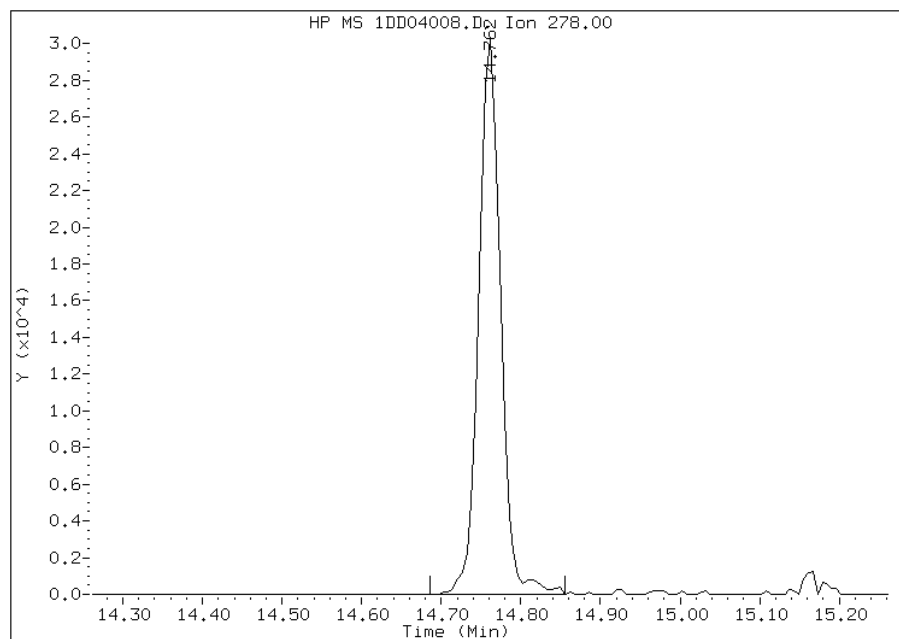
Processing Integration Results

RT: 14.76
Response: 56125
Amount: 1
Conc: 1



Manual Integration Results

RT: 14.76
Response: 57541
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:28
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04009.D
 Lab Smp Id: IC-1531399
 Inj Date : 04-APR-2013 14:34
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:11 Cal File: 1DD04008.D
 Als bottle: 7 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.093	6.093	(1.000)	2459101	40.0000	
* 6 Acenaphthene-d10	164	7.768	7.768	(1.000)	1451469	40.0000	
* 9 Phenanthrene-d10	188	9.025	9.025	(1.000)	2413975	40.0000	
\$ 13 o-Terphenyl	230	9.331	9.331	(1.034)	185249	5.00000	5.1
* 17 Chrysene-d12	240	11.340	11.340	(1.000)	2435324	40.0000	
* 22 Perylene-d12	264	13.167	13.167	(1.000)	2525708	40.0000	
2 Naphthalene	128	6.111	6.111	(1.003)	316194	5.00000	5.2
3 2-Methylnaphthalene	142	6.816	6.816	(1.119)	200332	5.00000	5.1
4 1-Methylnaphthalene	142	6.910	6.910	(1.134)	190230	5.00000	5.1
5 Acenaphthylene	152	7.639	7.639	(0.983)	314191	5.00000	5.1
7 Acenaphthene	154	7.791	7.791	(1.003)	193205	5.00000	5.1
8 Fluorene	166	8.232	8.232	(1.060)	223769	5.00000	5.0
10 Phenanthrene	178	9.043	9.043	(1.002)	338739	5.00000	5.1
11 Anthracene	178	9.084	9.084	(1.007)	335430	5.00000	5.1
12 Carbazole	167	9.219	9.219	(1.021)	295345	5.00000	5.1
14 Fluoranthene	202	10.024	10.024	(1.111)	348578	5.00000	5.1
15 Pyrene	202	10.212	10.212	(0.901)	374480	5.00000	5.1
16 Benzo(a)anthracene	228	11.323	11.323	(0.998)	339292	5.00000	5.1
18 Chrysene	228	11.358	11.358	(1.002)	329706	5.00000	5.0
19 Benzo(b)fluoranthene	252	12.615	12.615	(0.958)	323060	5.00000	5.1
20 Benzo(k)fluoranthene	252	12.650	12.650	(0.961)	328752	5.00000	4.9
21 Benzo(a)pyrene	252	13.062	13.062	(0.992)	318431	5.00000	5.0
23 Indeno(1,2,3-cd)pyrene	276	14.742	14.742	(1.120)	336963	5.00000	5.0(M)
24 Dibenzo(a,h)anthracene	278	14.766	14.766	(1.121)	316396	5.00000	5.0
25 Benzo(g,h,i)perylene	276	15.177	15.177	(1.153)	331324	5.00000	5.1

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04009.D

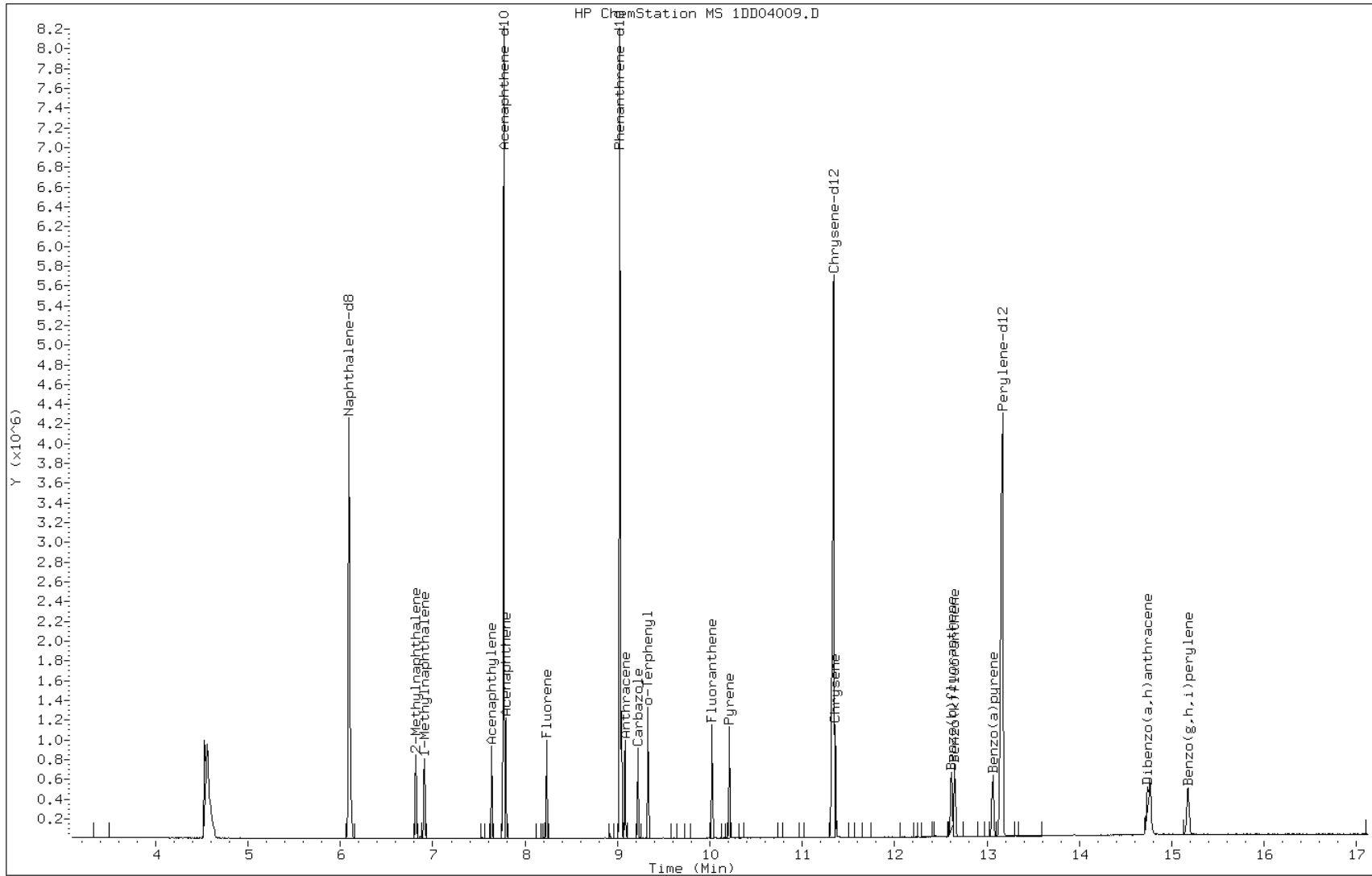
Date: 04-APR-2013 14:34

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531399

Operator: SCC

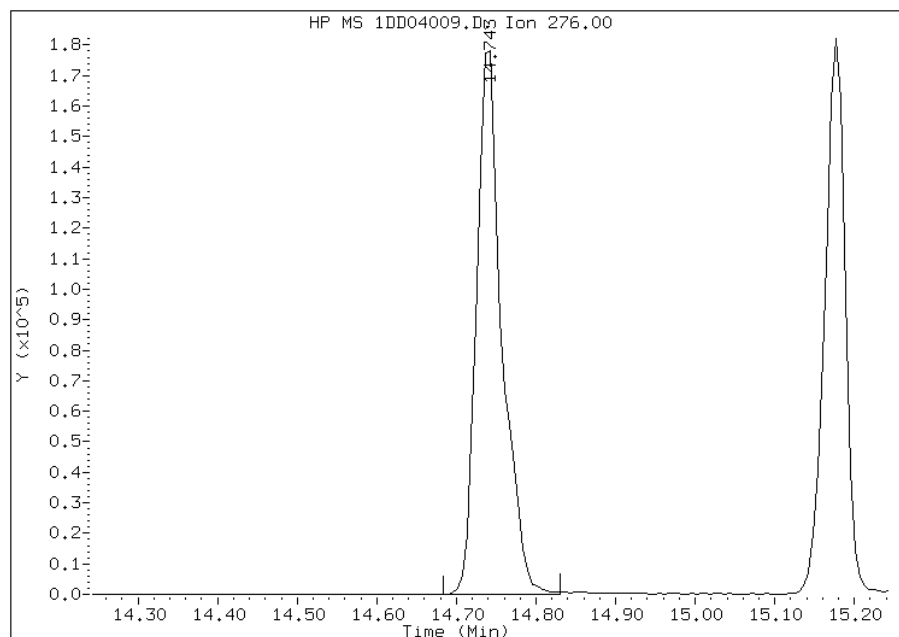


Manual Integration Report

Data File: 1DD04009.D
Inj. Date and Time: 04-APR-2013 14:34
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

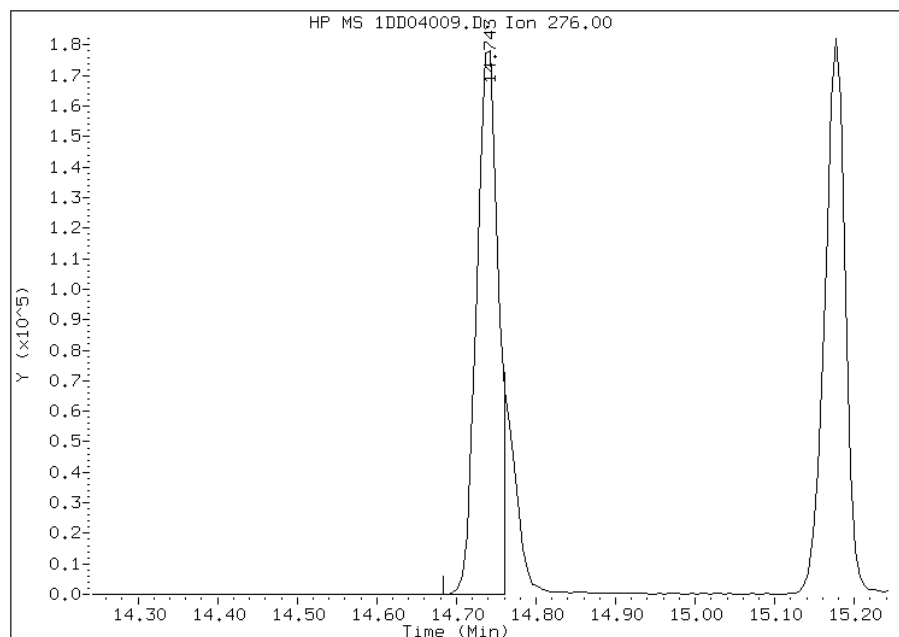
Processing Integration Results

RT: 14.74
Response: 395308
Amount: 5
Conc: 5



Manual Integration Results

RT: 14.74
Response: 336963
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:29
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04010.D
 Lab Smp Id: IC-1531400
 Inj Date : 04-APR-2013 14:57
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:34 Cal File: 1DD04009.D
 Als bottle: 8 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.093	6.093	(1.000)	2548377	40.0000	
* 6 Acenaphthene-d10	164	7.767	7.767	(1.000)	1478460	40.0000	
* 9 Phenanthrene-d10	188	9.025	9.025	(1.000)	2445573	40.0000	
\$ 13 o-Terphenyl	230	9.330	9.330	(1.034)	360585	10.0000	9.8
* 17 Chrysene-d12	240	11.340	11.340	(1.000)	2472736	40.0000	
* 22 Perylene-d12	264	13.167	13.167	(1.000)	2524268	40.0000	
2 Naphthalene	128	6.110	6.110	(1.003)	614716	10.0000	9.7
3 2-Methylnaphthalene	142	6.816	6.816	(1.119)	401151	10.0000	9.8
4 1-Methylnaphthalene	142	6.910	6.910	(1.134)	377068	10.0000	9.8
5 Acenaphthylene	152	7.638	7.638	(0.983)	620756	10.0000	9.9
7 Acenaphthene	154	7.791	7.791	(1.003)	375673	10.0000	9.7
8 Fluorene	166	8.237	8.237	(1.061)	453336	10.0000	9.9
10 Phenanthrene	178	9.042	9.042	(1.002)	657435	10.0000	9.8
11 Anthracene	178	9.083	9.083	(1.007)	663091	10.0000	9.9
12 Carbazole	167	9.224	9.224	(1.022)	584967	10.0000	9.9
14 Fluoranthene	202	10.024	10.024	(1.111)	684049	10.0000	9.9
15 Pyrene	202	10.212	10.212	(0.901)	738839	10.0000	9.9
16 Benzo(a)anthracene	228	11.322	11.322	(0.998)	655565	10.0000	9.7
18 Chrysene	228	11.363	11.363	(1.002)	641842	10.0000	9.6
19 Benzo(b)fluoranthene	252	12.621	12.621	(0.959)	612455	10.0000	9.7
20 Benzo(k)fluoranthene	252	12.656	12.656	(0.961)	667284	10.0000	10
21 Benzo(a)pyrene	252	13.067	13.067	(0.992)	629684	10.0000	9.9
23 Indeno(1,2,3-cd)pyrene	276	14.747	14.747	(1.120)	647015	10.0000	9.6(M)
24 Dibenzo(a,h)anthracene	278	14.777	14.777	(1.122)	621340	10.0000	9.8
25 Benzo(g,h,i)perylene	276	15.188	15.188	(1.153)	642692	10.0000	9.9

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04010.D

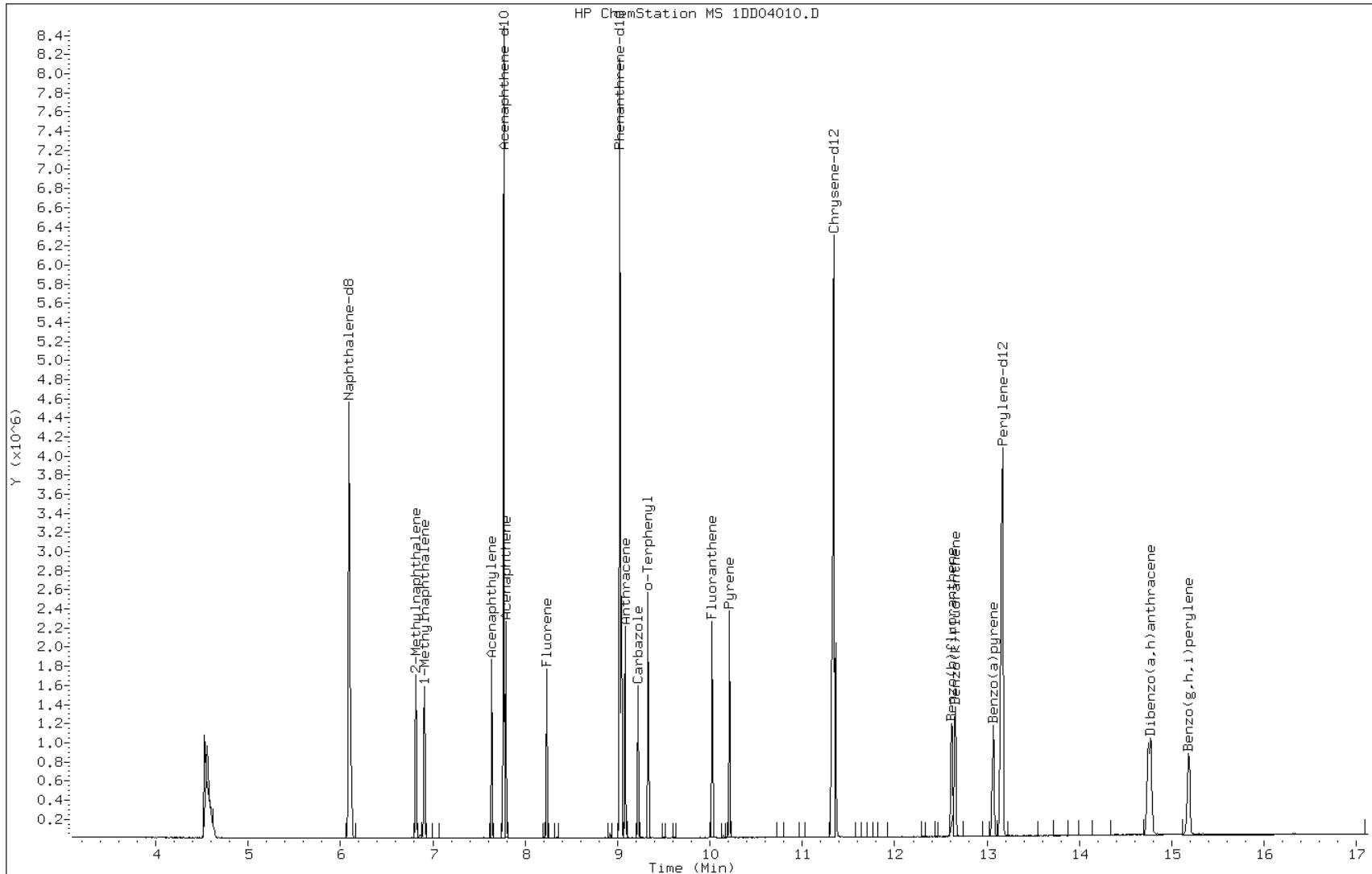
Date: 04-APR-2013 14:57

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531400

Operator: SCC

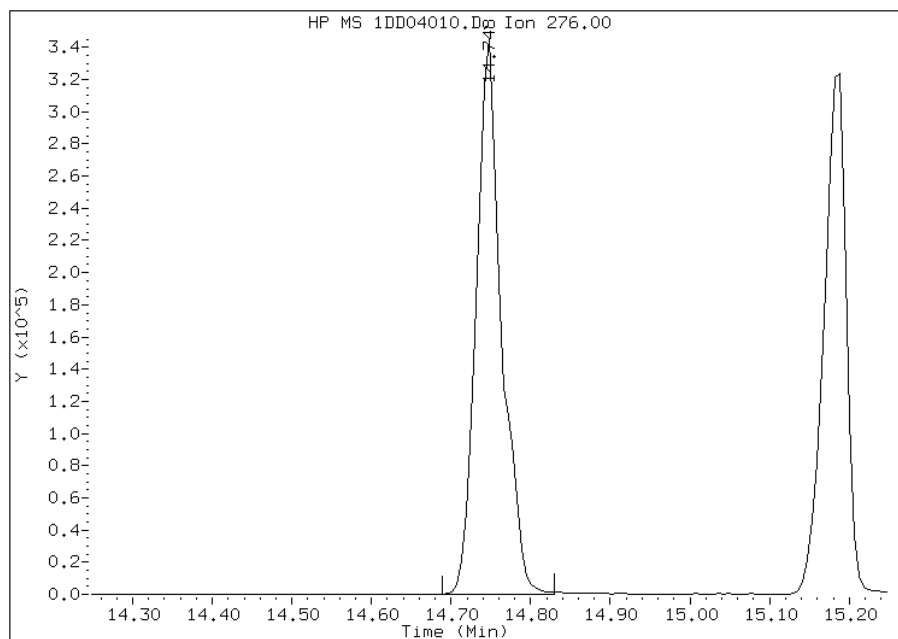


Manual Integration Report

Data File: 1DD04010.D
Inj. Date and Time: 04-APR-2013 14:57
Instrument ID: BSMMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

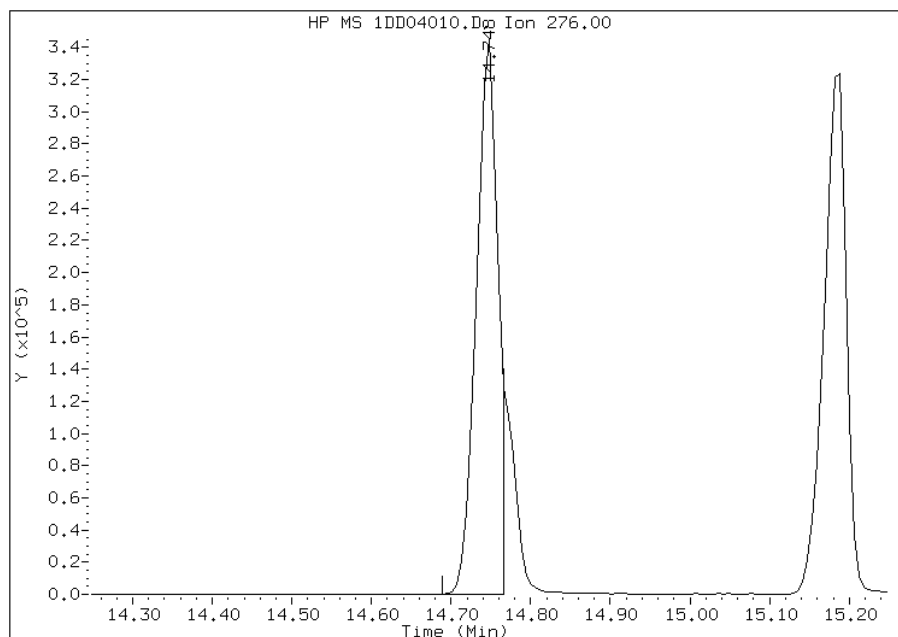
Processing Integration Results

RT: 14.75
Response: 759012
Amount: 10
Conc: 10



Manual Integration Results

RT: 14.75
Response: 647015
Amount: 10
Conc: 10



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04011.D
 Lab Smp Id: ICIS-1531401
 Inj Date : 04-APR-2013 15:19
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 14:57 Cal File: 1DD04010.D
 Als bottle: 9 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
								(ug/l)	(ug/l)
* 1 Naphthalene-d8			136	6.089	6.089	(1.000)	2475113	40.0000	
* 6 Acenaphthene-d10			164	7.769	7.769	(1.000)	1466924	40.0000	
* 9 Phenanthrene-d10			188	9.027	9.027	(1.000)	2428512	40.0000	
\$ 13 o-Terphenyl			230	9.332	9.332	(1.034)	754512	20.0000	21
* 17 Chrysene-d12			240	11.342	11.342	(1.000)	2464730	40.0000	
* 22 Perylene-d12			264	13.169	13.169	(1.000)	2515643	40.0000	
2 Naphthalene			128	6.113	6.113	(1.004)	1235557	20.0000	20
3 2-Methylnaphthalene			142	6.818	6.818	(1.120)	806286	20.0000	20
4 1-Methylnaphthalene			142	6.912	6.912	(1.135)	757317	20.0000	20
5 Acenaphthylene			152	7.640	7.640	(0.983)	1275622	20.0000	20
7 Acenaphthene			154	7.793	7.793	(1.003)	757590	20.0000	20
8 Fluorene			166	8.234	8.234	(1.060)	918747	20.0000	20
10 Phenanthrene			178	9.044	9.044	(1.002)	1331875	20.0000	20
11 Anthracene			178	9.086	9.086	(1.007)	1360668	20.0000	20
12 Carbazole			167	9.227	9.227	(1.022)	1202897	20.0000	20
14 Fluoranthene			202	10.026	10.026	(1.111)	1392506	20.0000	20
15 Pyrene			202	10.214	10.214	(0.901)	1496990	20.0000	20
16 Benzo(a)anthracene			228	11.324	11.324	(0.998)	1332372	20.0000	20
18 Chrysene			228	11.365	11.365	(1.002)	1305118	20.0000	20
19 Benzo(b)fluoranthene			252	12.623	12.623	(0.959)	1270704	20.0000	20
20 Benzo(k)fluoranthene			252	12.664	12.664	(0.962)	1319239	20.0000	20
21 Benzo(a)pyrene			252	13.075	13.075	(0.993)	1276688	20.0000	20
23 Indeno(1,2,3-cd)pyrene			276	14.761	14.761	(1.121)	1333044	20.0000	20(M)
24 Dibenzo(a,h)anthracene			278	14.785	14.785	(1.123)	1273836	20.0000	20
25 Benzo(g,h,i)perylene			276	15.202	15.202	(1.154)	1285637	20.0000	20

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04011.D

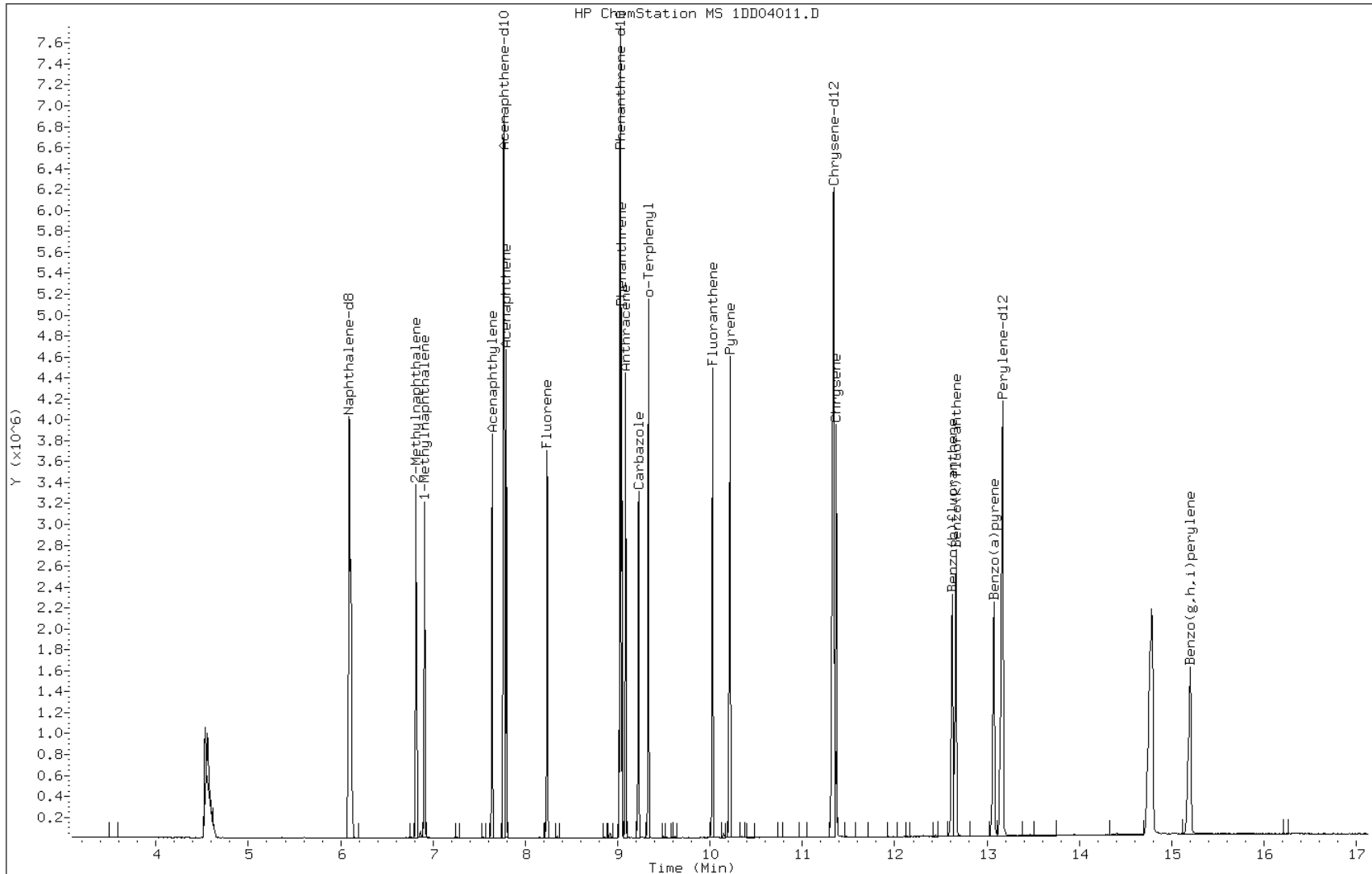
Date: 04-APR-2013 15:19

Client ID:

Instrument: BSMSD.i

Sample Info: ICIS-1531401

Operator: SCC

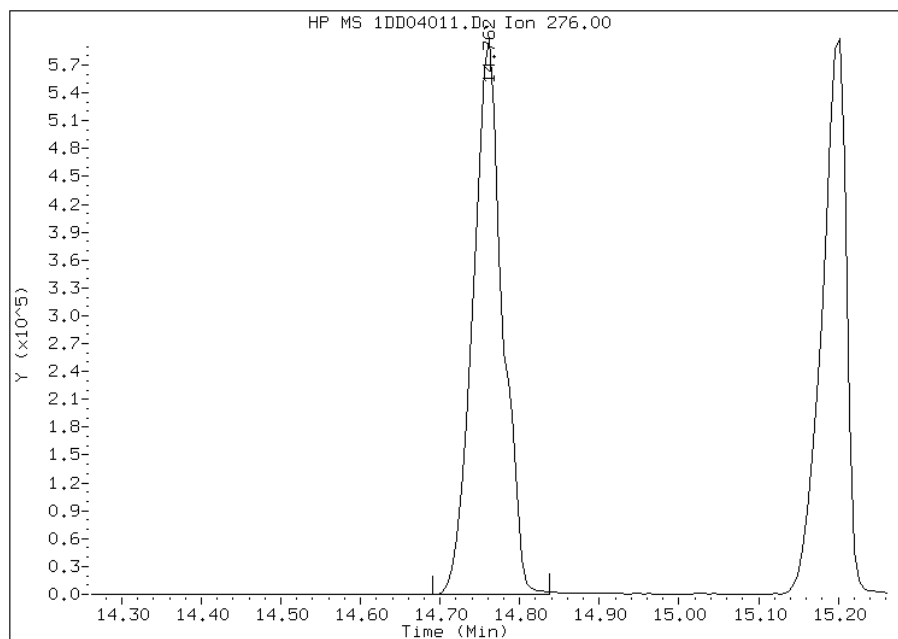


Manual Integration Report

Data File: 1DD04011.D
Inj. Date and Time: 04-APR-2013 15:19
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

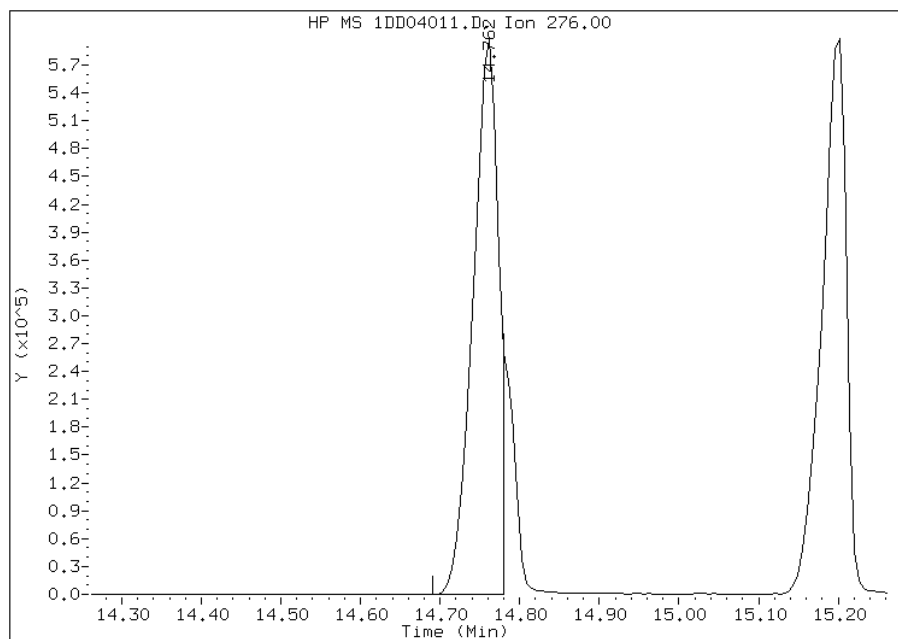
Processing Integration Results

RT: 14.76
Response: 1546230
Amount: 22
Conc: 22



Manual Integration Results

RT: 14.76
Response: 1333044
Amount: 20
Conc: 20



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:26
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04012.D
 Lab Smp Id: IC-1531402
 Inj Date : 04-APR-2013 15:42
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dFASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:19 Cal File: 1DD04011.D
 Als bottle: 10 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.090	6.090	(1.000)	2316091	40.0000	
* 6 Acenaphthene-d10	164	7.765	7.765	(1.000)	1349878	40.0000	
* 9 Phenanthrene-d10	188	9.028	9.028	(1.000)	2295562	40.0000	
\$ 13 o-Terphenyl	230	9.334	9.334	(1.034)	1074388	30.0000	31
* 17 Chrysene-d12	240	11.343	11.343	(1.000)	2345845	40.0000	
* 22 Perylene-d12	264	13.170	13.170	(1.000)	2343379	40.0000	
2 Naphthalene	128	6.114	6.114	(1.004)	1777021	30.0000	31
3 2-Methylnaphthalene	142	6.819	6.819	(1.120)	1162560	30.0000	31
4 1-Methylnaphthalene	142	6.913	6.913	(1.135)	1096847	30.0000	31
5 Acenaphthylene	152	7.642	7.642	(0.984)	1852399	30.0000	32
7 Acenaphthene	154	7.794	7.794	(1.004)	1100779	30.0000	31
8 Fluorene	166	8.235	8.235	(1.061)	1323451	30.0000	32
10 Phenanthrene	178	9.046	9.046	(1.002)	1932978	30.0000	30
11 Anthracene	178	9.087	9.087	(1.007)	1981347	30.0000	32
12 Carbazole	167	9.228	9.228	(1.022)	1717245	30.0000	31
14 Fluoranthene	202	10.027	10.027	(1.111)	2025512	30.0000	31
15 Pyrene	202	10.215	10.215	(0.901)	2181708	30.0000	31
16 Benzo(a)anthracene	228	11.326	11.326	(0.998)	1914899	30.0000	30
18 Chrysene	228	11.367	11.367	(1.002)	1900592	30.0000	30
19 Benzo(b)fluoranthene	252	12.630	12.630	(0.959)	1811151	30.0000	31
20 Benzo(k)fluoranthene	252	12.671	12.671	(0.962)	1910468	30.0000	31
21 Benzo(a)pyrene	252	13.082	13.082	(0.993)	1854979	30.0000	32
23 Indeno(1,2,3-cd)pyrene	276	14.769	14.769	(1.121)	2011375	30.0000	32(M)
24 Dibenzo(a,h)anthracene	278	14.798	14.798	(1.124)	1840819	30.0000	31
25 Benzo(g,h,i)perylene	276	15.209	15.209	(1.155)	1860821	30.0000	31

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DD04012.D

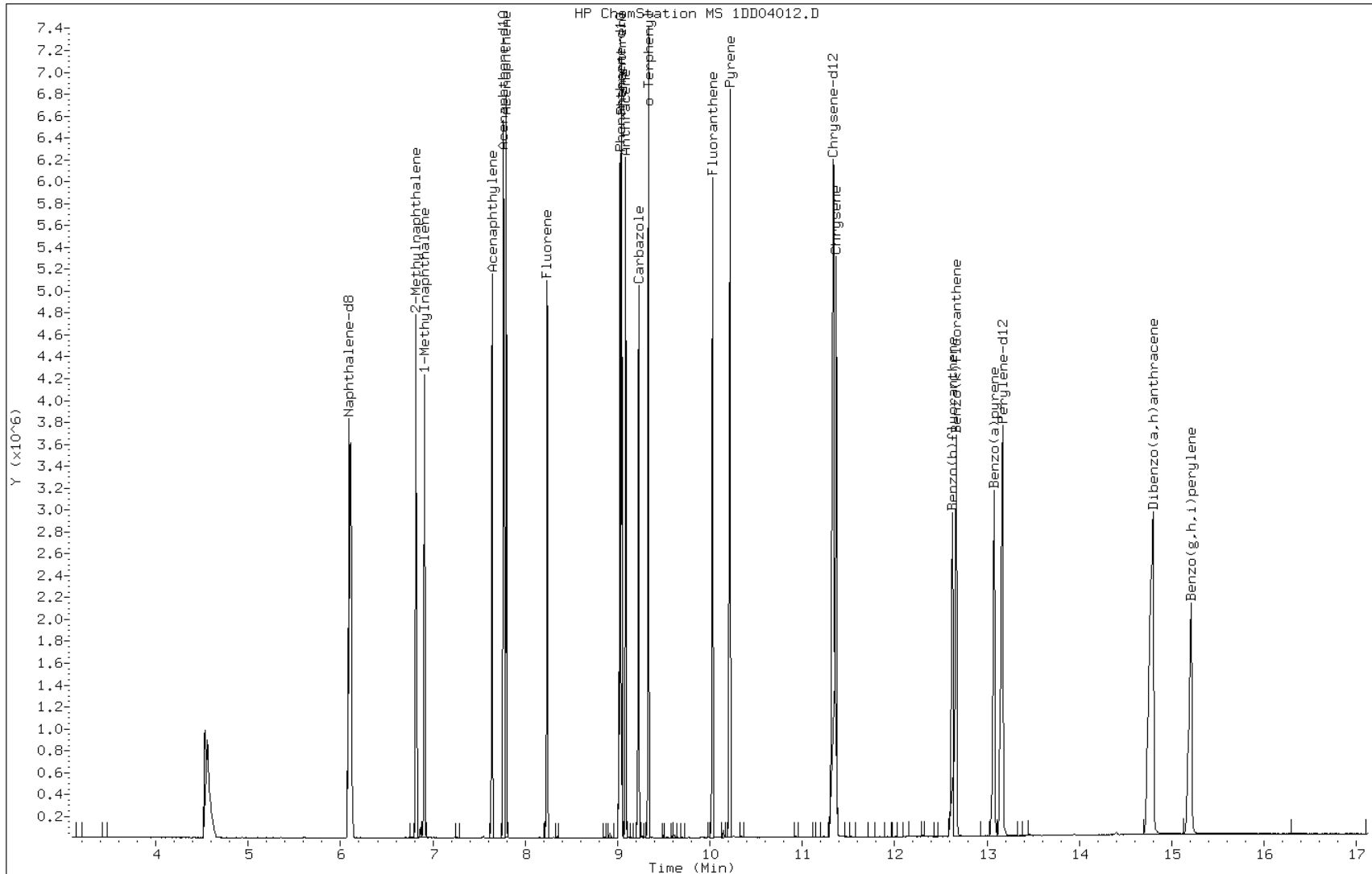
Date: 04-APR-2013 15:42

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531402

Operator: SCC

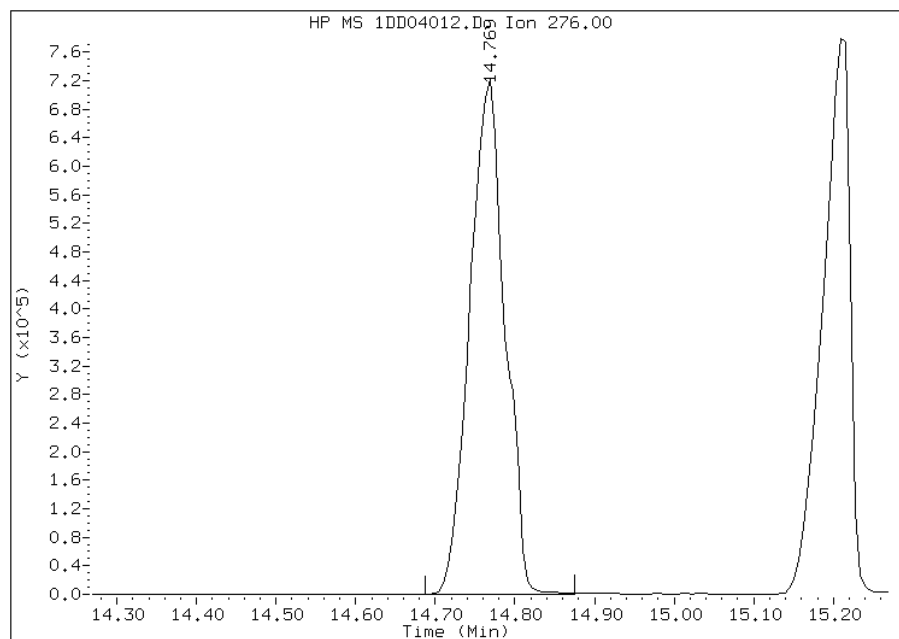


Manual Integration Report

Data File: 1DD04012.D
Inj. Date and Time: 04-APR-2013 15:42
Instrument ID: BSMMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

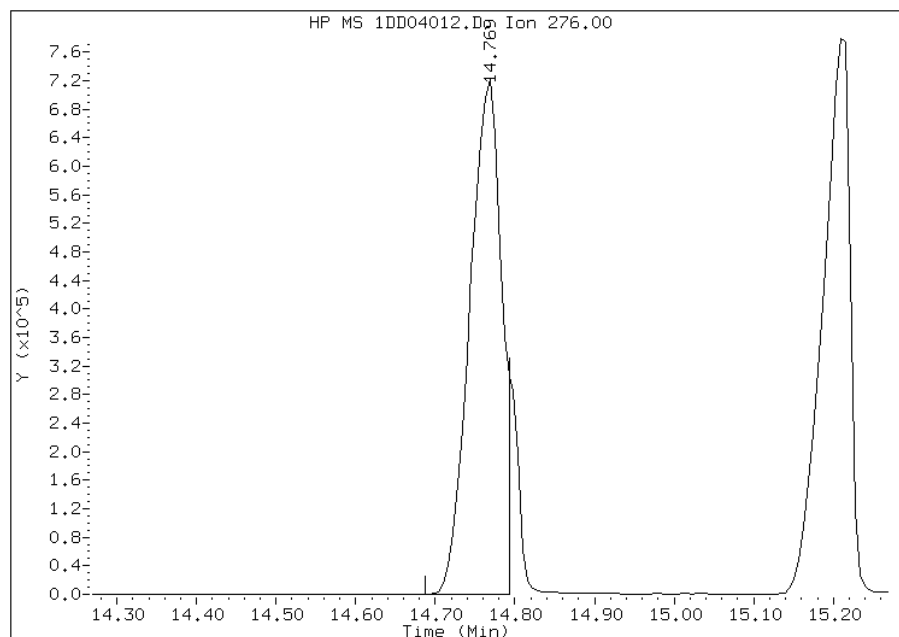
Processing Integration Results

RT: 14.77
Response: 2221522
Amount: 32
Conc: 32



Manual Integration Results

RT: 14.77
Response: 2011375
Amount: 32
Conc: 32



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04013.D
 Lab Smp Id: IC-1531403
 Inj Date : 04-APR-2013 16:04
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 12:31 BSMSD.i Quant Type: ISTD
 Cal Date : 04-APR-2013 15:42 Cal File: 1DD04012.D
 Als bottle: 11 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.090	6.090	(1.000)	2444753	40.0000	
* 6 Acenaphthene-d10	164	7.770	7.770	(1.000)	1439391	40.0000	
* 9 Phenanthrene-d10	188	9.027	9.027	(1.000)	2373597	40.0000	
\$ 13 o-Terphenyl	230	9.339	9.339	(1.034)	2031596	50.0000	57(A)
* 17 Chrysene-d12	240	11.348	11.348	(1.000)	2479223	40.0000	
* 22 Perylene-d12	264	13.175	13.175	(1.000)	2461140	40.0000	
2 Naphthalene	128	6.113	6.113	(1.004)	3211548	50.0000	53(A)
3 2-Methylnaphthalene	142	6.818	6.818	(1.120)	2134320	50.0000	54(A)
4 1-Methylnaphthalene	142	6.912	6.912	(1.135)	1999874	50.0000	54(A)
5 Acenaphthylene	152	7.641	7.641	(0.983)	3396591	50.0000	56(A)
7 Acenaphthene	154	7.799	7.799	(1.004)	2018481	50.0000	54(A)
8 Fluorene	166	8.240	8.240	(1.060)	2393163	50.0000	54(A)
10 Phenanthrene	178	9.051	9.051	(1.003)	3534794	50.0000	54(A)
11 Anthracene	178	9.092	9.092	(1.007)	3590722	50.0000	55(A)
12 Carbazole	167	9.233	9.233	(1.023)	3137679	50.0000	55(A)
14 Fluoranthene	202	10.032	10.032	(1.111)	3681257	50.0000	55(A)
15 Pyrene	202	10.220	10.220	(0.901)	3965627	50.0000	53(A)
16 Benzo(a)anthracene	228	11.325	11.325	(0.998)	3388838	50.0000	50(A)
18 Chrysene	228	11.377	11.377	(1.003)	3512644	50.0000	52(A)
19 Benzo(b)fluoranthene	252	12.635	12.635	(0.959)	3290902	50.0000	54(A)
20 Benzo(k)fluoranthene	252	12.682	12.682	(0.963)	3421834	50.0000	53(A)
21 Benzo(a)pyrene	252	13.093	13.093	(0.994)	3327888	50.0000	54(A)
23 Indeno(1,2,3-cd)pyrene	276	14.785	14.785	(1.122)	3754268	50.0000	57(AM)
24 Dibenzo(a,h)anthracene	278	14.826	14.826	(1.125)	3350541	50.0000	54(A)
25 Benzo(g,h,i)perylene	276	15.238	15.238	(1.157)	3284166	50.0000	52(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1DD04013.D

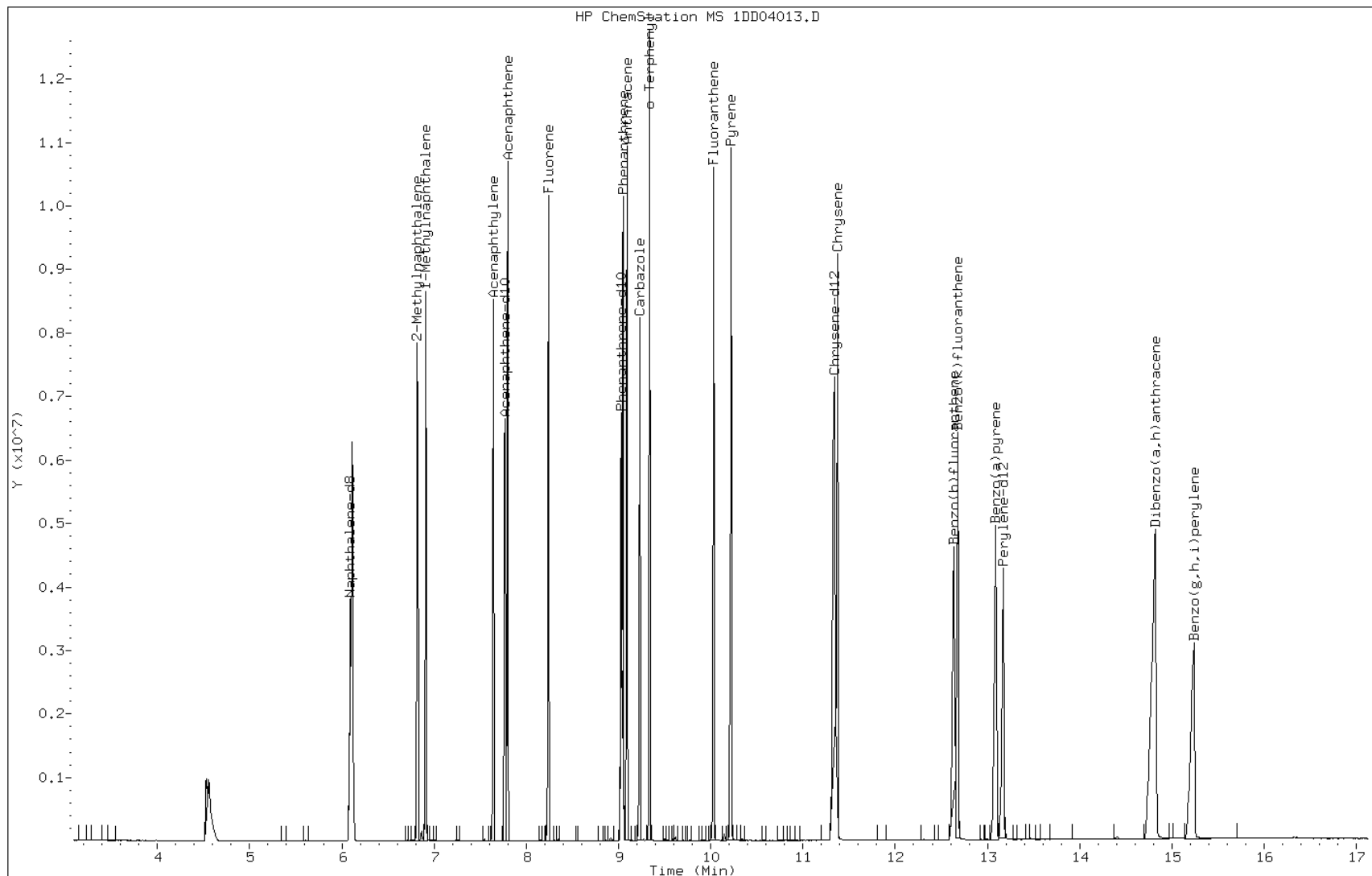
Date: 04-APR-2013 16:04

Client ID:

Instrument: BSMSD.i

Sample Info: IC-1531403

Operator: SCC

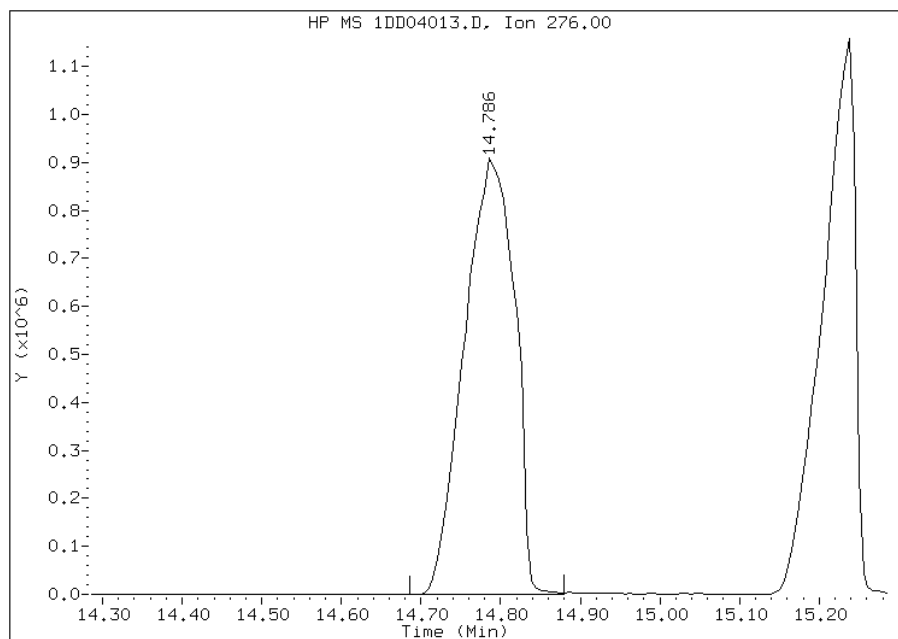


Manual Integration Report

Data File: 1DD04013.D
Inj. Date and Time: 04-APR-2013 16:04
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

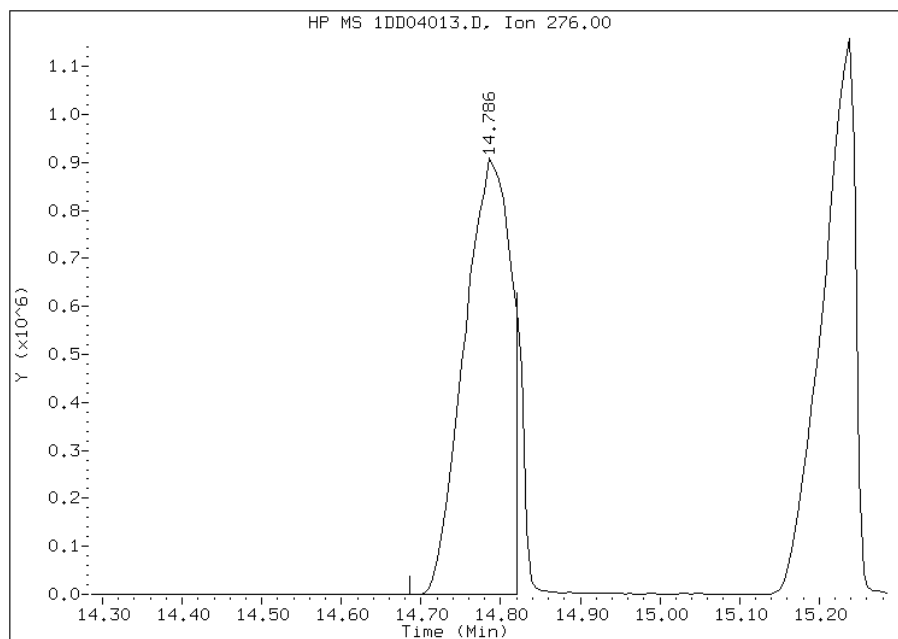
Processing Integration Results

RT: 14.79
Response: 3993028
Amount: 54
Conc: 54



Manual Integration Results

RT: 14.79
Response: 3754268
Amount: 57
Conc: 57



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 12:30
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab Sample ID: ICV 660-137156/10 Calibration Date: 05/06/2013 12:11
 Instrument ID: BSMA5973 Calib Start Date: 05/06/2013 10:40
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 05/06/2013 11:56
 Lab File ID: 1AE06010.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9420	0.9132	0.0000	19400	20000	-3.0	35.0
2-Methylnaphthalene	Ave	0.4787	0.5082	0.0000	21200	20000	6.2	35.0
1-Methylnaphthalene	Ave	0.5738	0.5870	0.0000	20500	20000	2.3	35.0
Acenaphthylene	Ave	1.880	1.818	0.0000	19300	20000	-3.3	35.0
Acenaphthene	Ave	1.079	0.9701	0.0000	18000	20000	-10.1	35.0
Fluorene	Ave	1.230	1.234	0.0000	20100	20000	0.3	35.0
Phenanthrene	Ave	0.9910	0.9305	0.0000	18800	20000	-6.1	35.0
Anthracene	Ave	1.056	1.004	0.0000	19000	20000	-4.9	35.0
Carbazole	Ave	0.9491	0.6514	0.0000	13700	20000	-31.4	35.0
Fluoranthene	Ave	1.140	1.161	0.0000	20400	20000	1.8	35.0
Pyrene	Ave	1.286	1.285	0.0000	20000	20000	-0.0	35.0
Benzo[a]anthracene	Ave	1.124	1.106	0.0000	19700	20000	-1.6	35.0
Chrysene	Ave	1.265	1.095	0.0000	17300	20000	-13.4	35.0
Benzo[b]fluoranthene	Ave	1.057	1.019	0.0000	19300	20000	-3.6	35.0
Benzo[k]fluoranthene	Ave	1.312	1.220	0.0000	18600	20000	-7.0	35.0
Benzo[a]pyrene	Ave	1.086	0.9512	0.0000	17500	20000	-12.4	35.0
Indeno[1,2,3-cd]pyrene	Ave	0.9096	0.9397	0.0000	20700	20000	3.3	35.0
Dibenz(a,h)anthracene	Ave	0.9324	1.016	0.0000	21800	20000	8.9	35.0
Benzo[g,h,i]perylene	Ave	0.9782	0.9691	0.0000	19800	20000	-0.9	35.0
o-Terphenyl	Ave	0.5725	0.5431	0.0000	19000	20000	-5.1	35.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06010.D
 Lab Smp Id: ICV-1448440
 Inj Date : 06-MAY-2013 12:11
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\a-bFASTPAHi-m.m
 Meth Date : 06-May-2013 13:03 cantins Quant Type: ISTD
 Cal Date : 06-MAY-2013 11:56 Cal File: 1AE06009.D
 Als bottle: 10 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 Naphthalene-d8	136		2.545	2.544	(1.000)	1358957	40.0000		
* 6 Acenaphthene-d10	164		3.576	3.575	(1.000)	723354	40.0000		
* 10 Phenanthrene-d10	188		4.522	4.521	(1.000)	1301827	40.0000		
\$ 14 o-Terphenyl	230		4.821	4.820	(1.066)	353505	18.9730	18.9730	
* 18 Chrysene-d12	240		6.536	6.535	(1.000)	1182962	40.0000		
* 23 Perylene-d12	264		7.620	7.630	(1.000)	1130799	40.0000		
2 Naphthalene	128		2.556	2.555	(1.004)	620525	19.3900	19.3900	
3 2-Methylnaphthalene	141		2.962	2.961	(1.164)	345301	21.2310	21.2309	
4 1-Methylnaphthalene	142		3.015	3.014	(1.185)	398822	20.4584	20.4584	
5 Acenaphthylene	152		3.485	3.484	(0.975)	657440	19.3423	19.3423	
7 Acenaphthene	154		3.592	3.591	(1.004)	350866	17.9750	17.9750	
9 Fluorene	166		3.902	3.901	(1.091)	446292	20.0628	20.0627	
11 Phenanthrene	178		4.533	4.537	(1.002)	605646	18.7787	18.7787	
12 Anthracene	178		4.570	4.569	(1.011)	653401	19.0188	19.0188	
13 Carbazole	167		4.698	4.702	(1.039)	424026	13.7271	13.7271	
15 Fluoranthene	202		5.398	5.397	(1.194)	755565	20.3641	20.3641	
16 Pyrene	202		5.564	5.562	(0.851)	760119	19.9900	19.9900	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/l)
=====	=====	=====	=====	=====	=====	=====	=====
17 Benzo(a)anthracene	228	6.525	6.524	(0.998)	654156	19.6760	19.6760
19 Chrysene	228	6.557	6.551	(1.003)	647722	17.3155	17.3155
20 Benzo(b)fluoranthene	252	7.343	7.347	(0.964)	576037	19.2726	19.2725
21 Benzo(k)fluoranthene	252	7.364	7.368	(0.966)	689550	18.5964	18.5963
22 Benzo(a)pyrene	252	7.572	7.576	(0.994)	537816	17.5209	17.5208
24 Indeno(1,2,3-cd)pyrene	276	8.374	8.388	(1.099)	531307	20.6612	20.6611
25 Dibenzo(a,h)anthracene	278	8.400	8.414	(1.102)	574250	21.7852	21.7851
26 Benzo(g,h,i)perylene	276	8.593	8.602	(1.128)	547940	19.8150	19.8150

Data File: 1AE06010.D

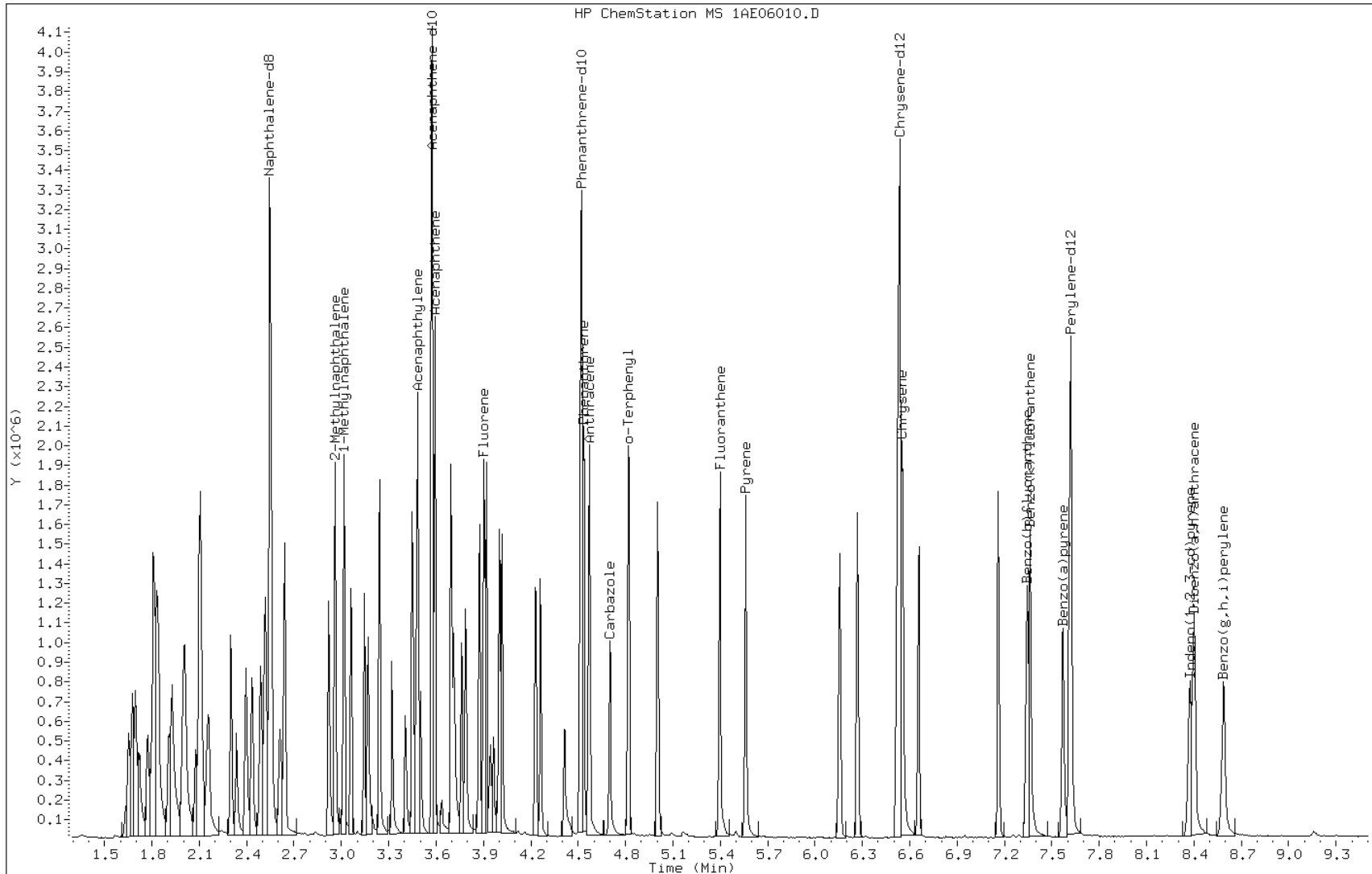
Date: 06-MAY-2013 12:11

Client ID:

Instrument: BSMA5973.i

Sample Info: ICV-1448440

Operator: SCC



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab Sample ID: ICV 660-136164/22 Calibration Date: 04/04/2013 16:27
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DD04014.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9942	0.9009	0.0000	18100	20000	-9.4	35.0
2-Methylnaphthalene	Ave	0.6418	0.5957	0.0000	18600	20000	-7.2	35.0
1-Methylnaphthalene	Ave	0.6061	0.5697	0.0000	18800	20000	-6.0	35.0
Acenaphthylene	Ave	1.693	1.431	0.0000	16900	20000	-15.5	35.0
Acenaphthene	Ave	1.045	0.8522	0.0000	16300	20000	-18.5	35.0
Fluorene	Ave	1.238	1.099	0.0000	17800	20000	-11.2	35.0
Phenanthrene	Ave	1.102	0.8997	0.0000	16300	20000	-18.3	35.0
Anthracene	Ave	1.094	0.9197	0.0000	16800	20000	-15.9	35.0
Carbazole	Ave	0.9646	0.6860	0.0000	14200	20000	-28.9	35.0
Fluoranthene	Ave	1.134	0.9937	0.0000	17500	20000	-12.4	35.0
Pyrene	Ave	1.201	0.9577	0.0000	15900	20000	-20.3	35.0
Benzo[a]anthracene	Ave	1.156	0.9847	0.0000	17000	20000	-14.9	35.0
Chrysene	Ave	1.084	0.8727	0.0000	16100	20000	-19.5	35.0
Benzo[b]fluoranthene	Ave	0.999	0.8893	0.0000	17800	20000	-11.0	35.0
Benzo[k]fluoranthene	Ave	1.053	0.8752	0.0000	16600	20000	-16.9	35.0
Benzo[a]pyrene	Ave	1.004	0.7657	0.0000	15300	20000	-23.7	35.0
Indeno[1,2,3-cd]pyrene	Ave	1.071	0.8560	0.0000	16000	20000	-20.0	35.0
Dibenz(a,h)anthracene	Ave	1.008	0.9464	0.0000	18800	20000	-6.1	35.0
Benzo[g,h,i]perylene	Ave	1.031	0.8761	0.0000	17000	20000	-15.0	35.0
o-Terphenyl	Ave	0.6027	0.4989	0.0000	16600	20000	-17.2	35.0

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04014.D
 Lab Smp Id: ICV-1448440
 Inj Date : 04-APR-2013 16:27
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\dfASTPAHi.m
 Meth Date : 05-Apr-2013 13:07 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/l)
* 1 Naphthalene-d8	136		6.096	6.090	(1.000)	3619899	40.0000		
* 6 Acenaphthene-d10	164		7.771	7.770	(1.000)	2333423	40.0000		
* 9 Phenanthrene-d10	188		9.028	9.028	(1.000)	3845474	40.0000		
\$ 13 o-Terphenyl	230		9.334	9.339	(1.034)	959307	16.5566	16	
* 17 Chrysene-d12	240		11.349	11.349	(1.000)	3963674	40.0000		
* 22 Perylene-d12	264		13.182	13.176	(1.000)	3958481	40.0000		
2 Naphthalene	128		6.114	6.114	(1.003)	1630598	18.1229	18	
3 2-Methylnaphthalene	142		6.819	6.819	(1.119)	1078163	18.5630	18	
4 1-Methylnaphthalene	142		6.913	6.913	(1.134)	1031118	18.7992	19	
5 Acenaphthylene	152		7.642	7.641	(0.983)	1669244	16.9019	17	
7 Acenaphthene	154		7.800	7.800	(1.004)	994282	16.3100	16	
8 Fluorene	166		8.241	8.240	(1.060)	1281905	17.7572	18	
10 Phenanthrene	178		9.046	9.051	(1.002)	1729949	16.3322	16	
11 Anthracene	178		9.087	9.092	(1.007)	1768381	16.8207	17	
12 Carbazole	167		9.228	9.233	(1.022)	1319041	14.2242	14(M)	
14 Fluoranthene	202		10.027	10.032	(1.111)	1910613	17.5287	18	
15 Pyrene	202		10.215	10.220	(0.900)	1898084	15.9464	16	

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/l)	FINAL (ug/l)
-----	----	----	-----	-----	-----	-----	-----
16 Benzo(a)anthracene	228	11.325	11.325	(0.998)	1951469	17.0289	17
18 Chrysene	228	11.372	11.378	(1.002)	1729613	16.0966	16
19 Benzo(b)fluoranthene	252	12.630	12.635	(0.958)	1760131	17.8000	18
20 Benzo(k)fluoranthene	252	12.671	12.682	(0.961)	1732123	16.6271	17
21 Benzo(a)pyrene	252	13.076	13.094	(0.992)	1515587	15.2542	15
23 Indeno(1,2,3-cd)pyrene	276	14.763	14.786	(1.120)	1694283	15.9925	16(M)
24 Dibenzo(a,h)anthracene	278	14.798	14.827	(1.123)	1873209	18.7764	19
25 Benzo(g,h,i)perylene	276	15.215	15.238	(1.154)	1734029	16.9990	17(H)

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1DD04014.D

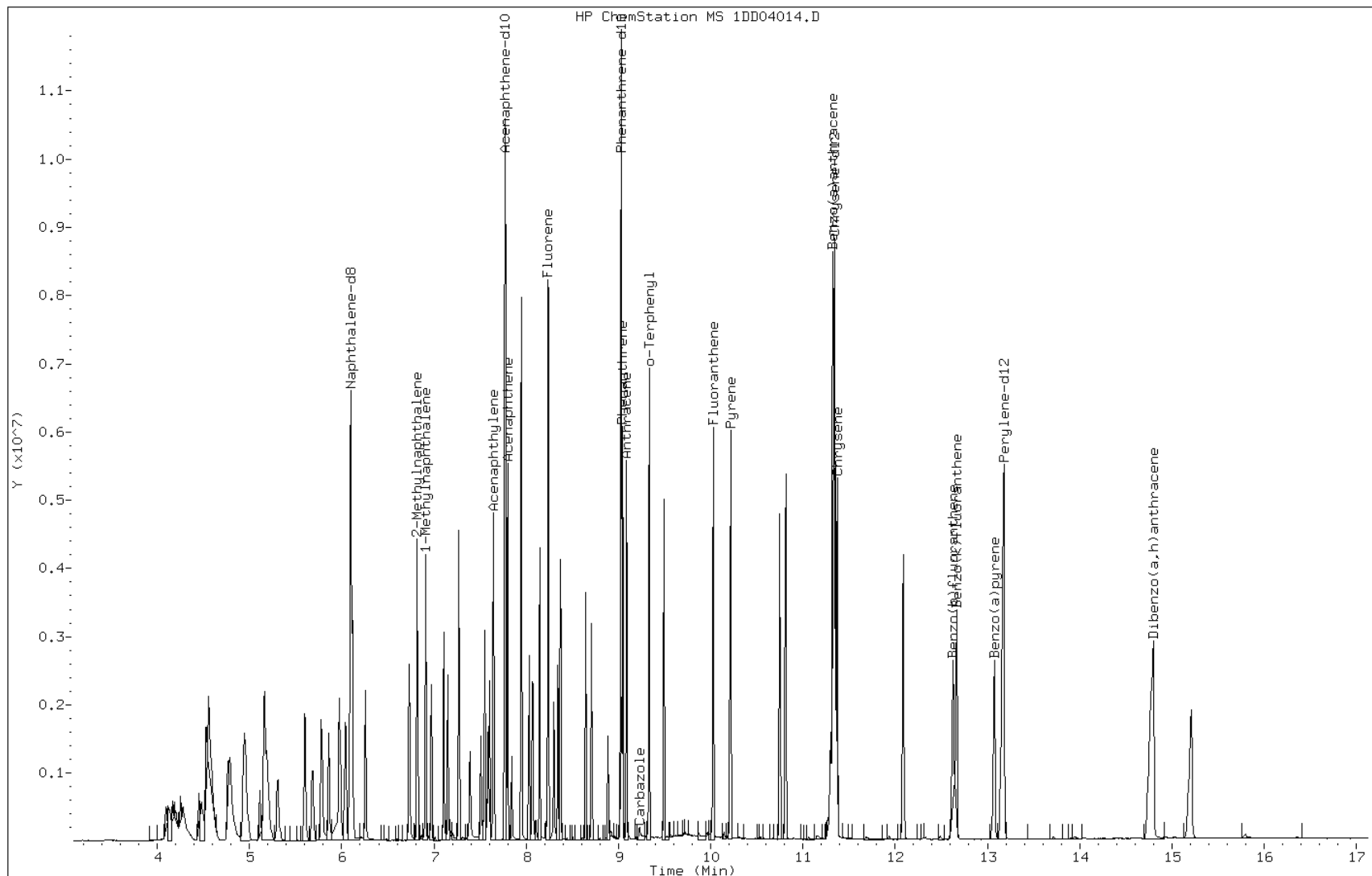
Date: 04-APR-2013 16:27

Client ID:

Instrument: BSMSD.i

Sample Info: ICV-1448440

Operator: SCC

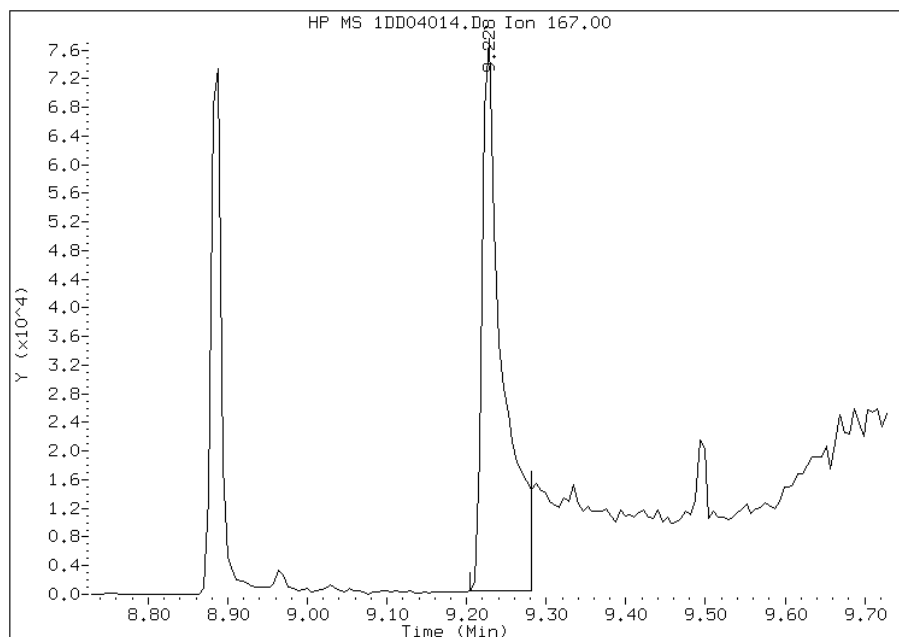


Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMDS.i
Client ID:
Compound: 12 Carbazole
CAS #: 86-74-8
Report Date: 04/05/2013

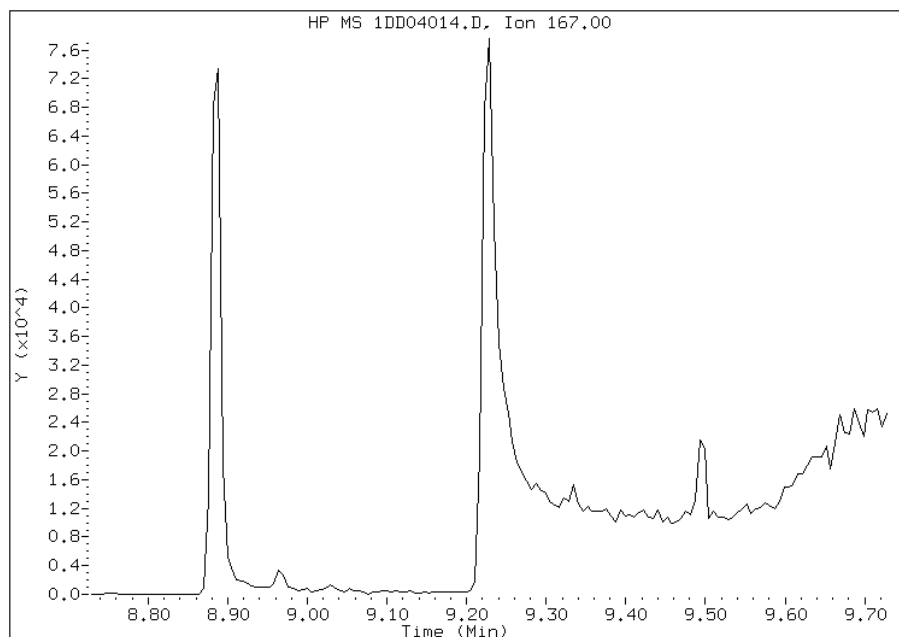
Processing Integration Results

RT: 9.23
Response: 136620
Amount: 1
Conc: 1



Manual Integration Results

RT: 9.23
Response: 1319041
Amount: 14
Conc: 14



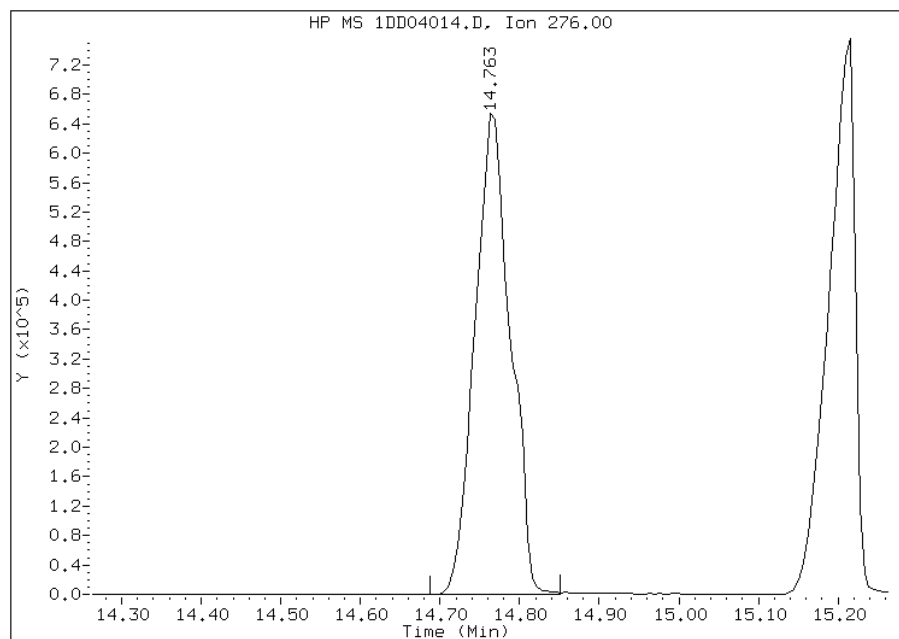
Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:08
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DD04014.D
Inj. Date and Time: 04-APR-2013 16:27
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/05/2013

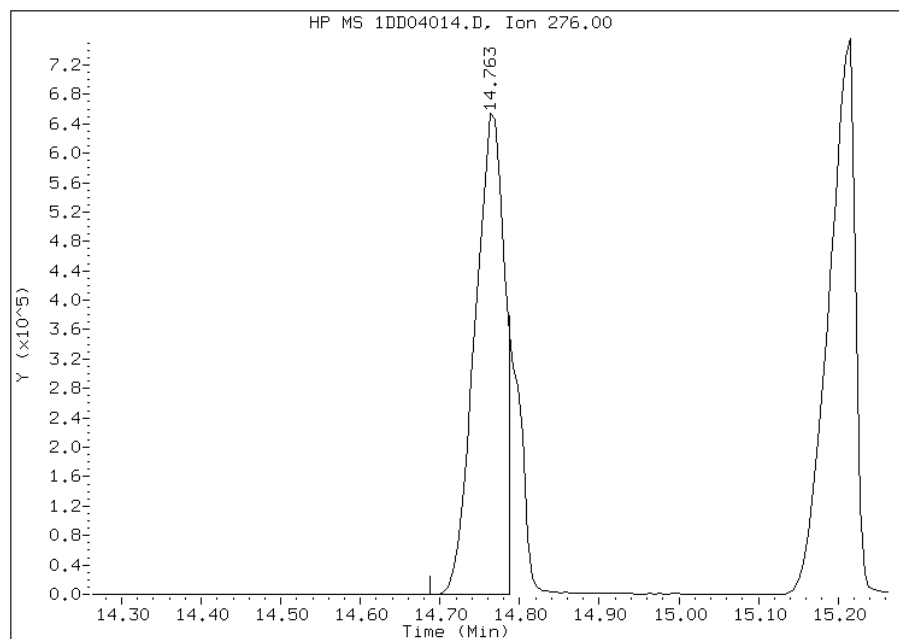
Processing Integration Results

RT: 14.76
Response: 2024721
Amount: 19
Conc: 19



Manual Integration Results

RT: 14.76
Response: 1694283
Amount: 16
Conc: 16



Manually Integrated By: cantins
Modification Date: 05-Apr-2013 13:09
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Lab Sample ID: CCVIS 660-137126/3 Calibration Date: 05/03/2013 10:32
 Instrument ID: BSMD5973 Calib Start Date: 04/04/2013 13:49
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/04/2013 16:04
 Lab File ID: 1DE03003.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9942	0.9859	0.0000	19800	20000	-0.8	20.0
2-Methylnaphthalene	Ave	0.6418	0.6200	0.0000	19300	20000	-3.4	20.0
1-Methylnaphthalene	Ave	0.6061	0.6566	0.0000	21700	20000	8.3	20.0
Acenaphthylene	Ave	1.693	1.659	0.0000	19600	20000	-2.0	20.0
Acenaphthene	Ave	1.045	1.005	0.0000	19200	20000	-3.8	20.0
Fluorene	Ave	1.238	1.185	0.0000	19200	20000	-4.2	20.0
Phenanthrene	Ave	1.102	1.011	0.0000	18300	20000	-8.3	20.0
Anthracene	Ave	1.094	1.110	0.0000	20300	20000	1.5	20.0
Carbazole	Ave	0.9646	0.8703	0.0000	18000	20000	-9.8	20.0
Fluoranthene	Ave	1.134	1.103	0.0000	19500	20000	-2.7	20.0
Pyrene	Ave	1.201	1.178	0.0000	19600	20000	-2.0	20.0
Benzo[a]anthracene	Ave	1.156	0.999	0.0000	17300	20000	-13.6	20.0
Chrysene	Ave	1.084	1.079	0.0000	19900	20000	-0.5	20.0
Benzo[b]fluoranthene	Ave	0.999	0.8703	0.0000	17400	20000	-12.9	20.0
Benzo[k]fluoranthene	Ave	1.053	1.206	0.0000	22900	20000	14.6	20.0
Benzo[a]pyrene	Ave	1.004	0.9877	0.0000	19700	20000	-1.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.071	0.8931	0.0000	16700	20000	-16.6	20.0
Dibenz(a,h)anthracene	Ave	1.008	1.012	0.0000	20100	20000	0.4	20.0
Benzo[g,h,i]perylene	Ave	1.031	0.9809	0.0000	19000	20000	-4.8	20.0
o-Terphenyl	Ave	0.6027	0.5950	0.0000	19700	20000	-1.3	20.0

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 03-MAY-2013 10:32
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/l)	ON-COL (ug/l)
* 1 Naphthalene-d8	136	6.004	6.004	(1.000)	1493654	40.0000	(H)
* 6 Acenaphthene-d10	164	7.690	7.690	(1.000)	955216	40.0000	(H)
* 9 Phenanthrene-d10	188	8.953	8.953	(1.000)	1664161	40.0000	(H)
\$ 13 o-Terphenyl	230	9.259	9.259	(1.034)	495091	20.0000	20(H)
* 17 Chrysene-d12	240	11.257	11.257	(1.000)	1669769	40.0000	(H)
* 22 Perylene-d12	264	13.066	13.066	(1.000)	1568187	40.0000	(H)
2 Naphthalene	128	6.027	6.027	(1.004)	736328	20.0000	20(MH)
3 2-Methylnaphthalene	142	6.738	6.738	(1.122)	463013	20.0000	19(H)
4 1-Methylnaphthalene	142	6.826	6.826	(1.137)	490343	20.0000	22(H)
5 Acenaphthylene	152	7.561	7.561	(0.983)	792215	20.0000	20(H)
7 Acenaphthene	154	7.714	7.714	(1.003)	479910	20.0000	19(H)
8 Fluorene	166	8.160	8.160	(1.061)	566151	20.0000	19(H)
10 Phenanthrene	178	8.971	8.971	(1.002)	841140	20.0000	18(H)
11 Anthracene	178	9.012	9.012	(1.007)	923612	20.0000	20(H)
12 Carbazole	167	9.159	9.159	(1.023)	724193	20.0000	18(H)
14 Fluoranthene	202	9.958	9.958	(1.112)	917921	20.0000	19(H)
15 Pyrene	202	10.146	10.146	(0.901)	983207	20.0000	20(H)
16 Benzo(a)anthracene	228	11.239	11.239	(0.998)	833743	20.0000	17(H)
18 Chrysene	228	11.280	11.280	(1.002)	900632	20.0000	20(H)
19 Benzo(b)fluoranthene	252	12.526	12.526	(0.959)	682359	20.0000	17(H)
20 Benzo(k)fluoranthene	252	12.567	12.567	(0.962)	945538	20.0000	23(H)
21 Benzo(a)pyrene	252	12.978	12.978	(0.993)	774413	20.0000	20(H)
23 Indeno(1,2,3-cd)pyrene	276	14.647	14.647	(1.121)	700304	20.0000	17(MH)
24 Dibenzo(a,h)anthracene	278	14.670	14.670	(1.123)	793588	20.0000	20(MH)
25 Benzo(g,h,i)perylene	276	15.081	15.081	(1.154)	769083	20.0000	19(MH)

QC Flag Legend

M - Compound response manually integrated.
 H - Operator selected an alternate compound hit.

Data File: 1DE03003.D

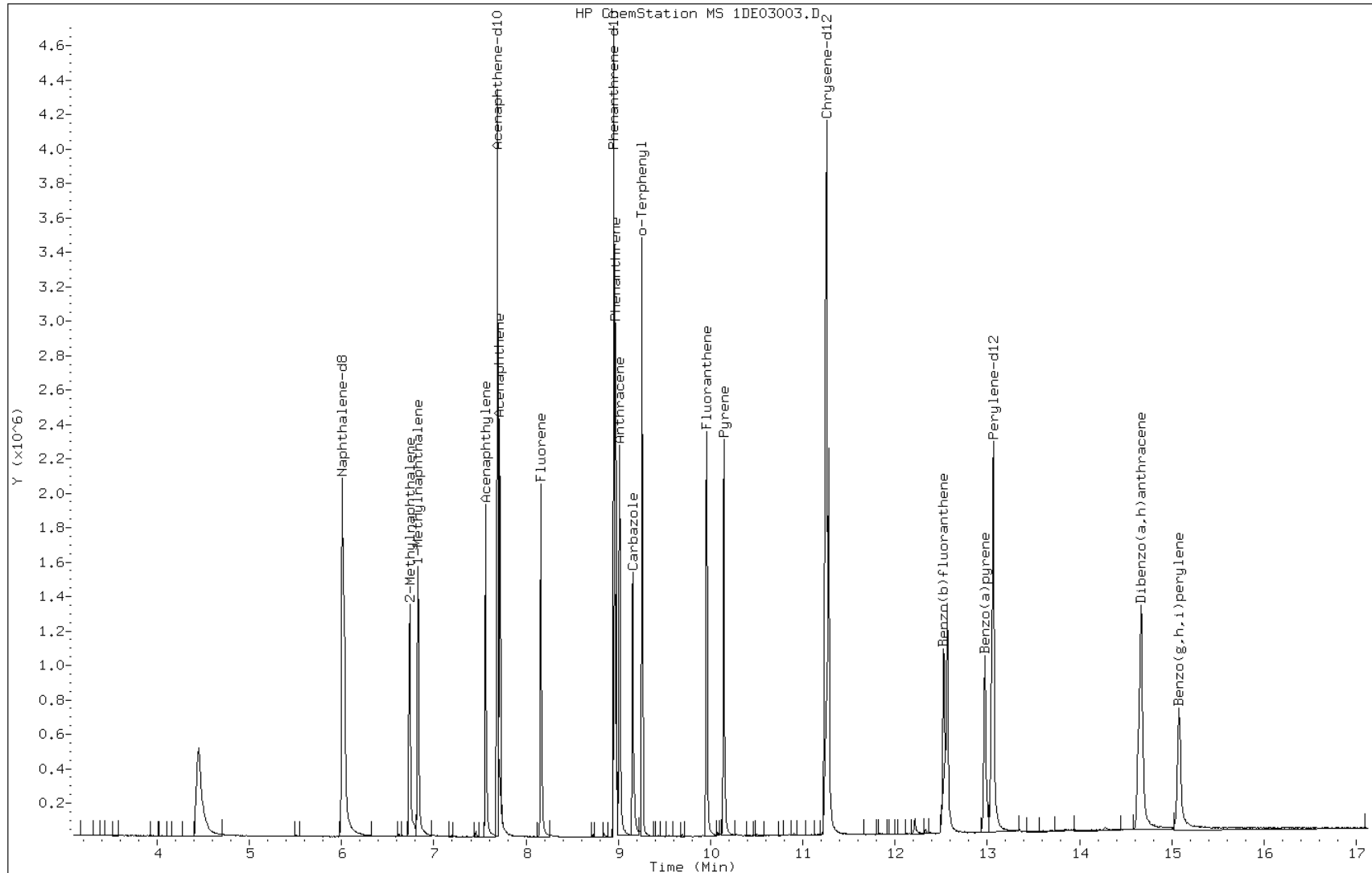
Date: 03-MAY-2013 10:32

Client ID:

Instrument: BSMSD.i

Sample Info: CCVIS-1531401

Operator: SCC

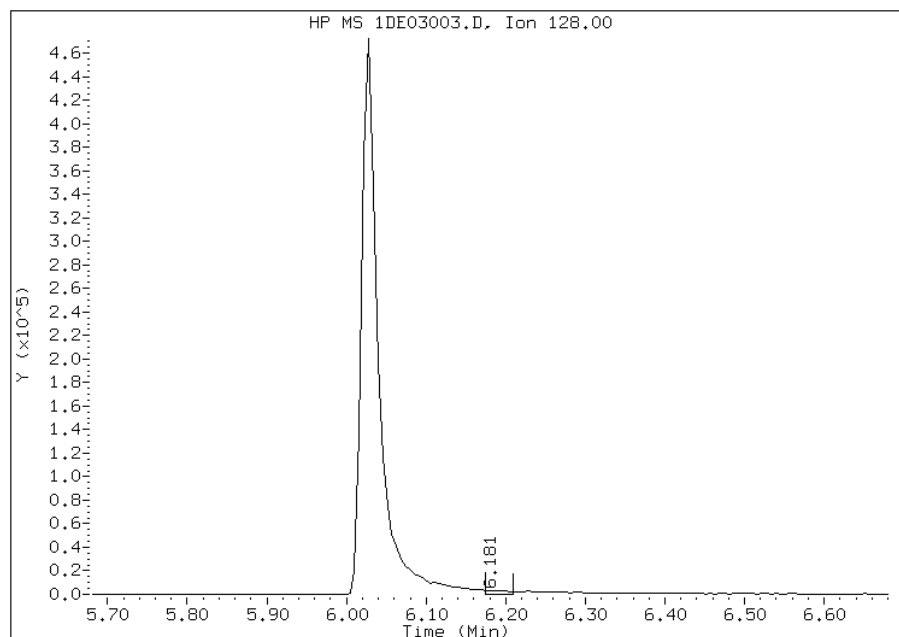


Manual Integration Report

Data File: 1DE03003.D
Inj. Date and Time: 03-MAY-2013 10:32
Instrument ID: BSMSD.i
Client ID:
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/05/2013

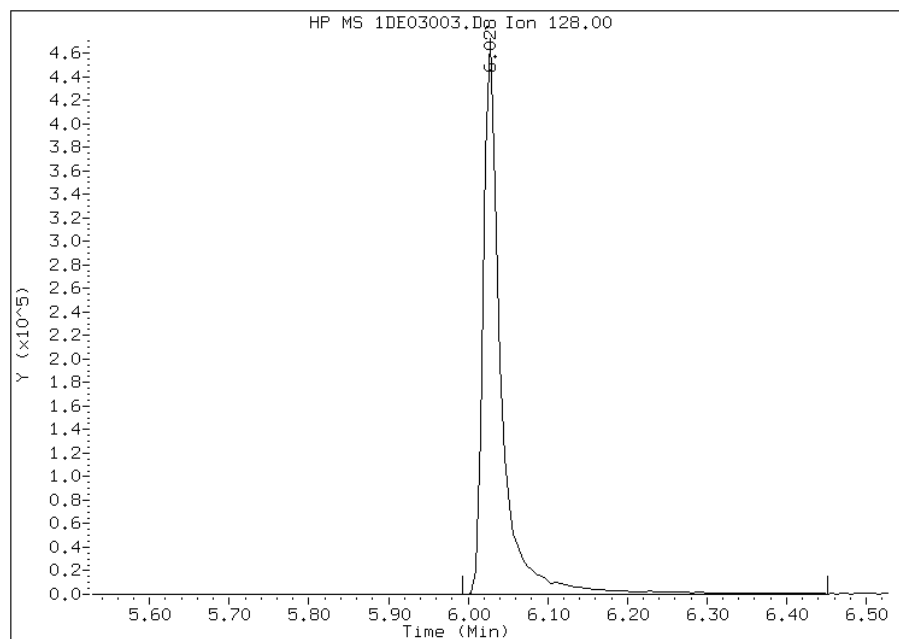
Processing Integration Results

RT: 6.18
Response: 7050
Amount: 0
Conc: 0



Manual Integration Results

RT: 6.03
Response: 736328
Amount: 20
Conc: 20



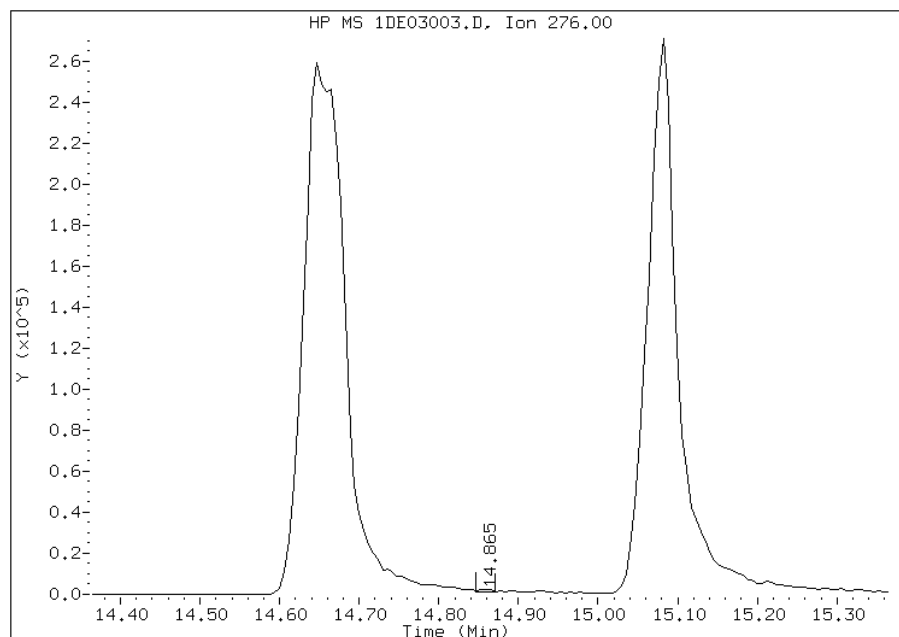
Manually Integrated By: cantins
Modification Date: 03-May-2013 10:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03003.D
Inj. Date and Time: 03-MAY-2013 10:32
Instrument ID: BSMDS.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/05/2013

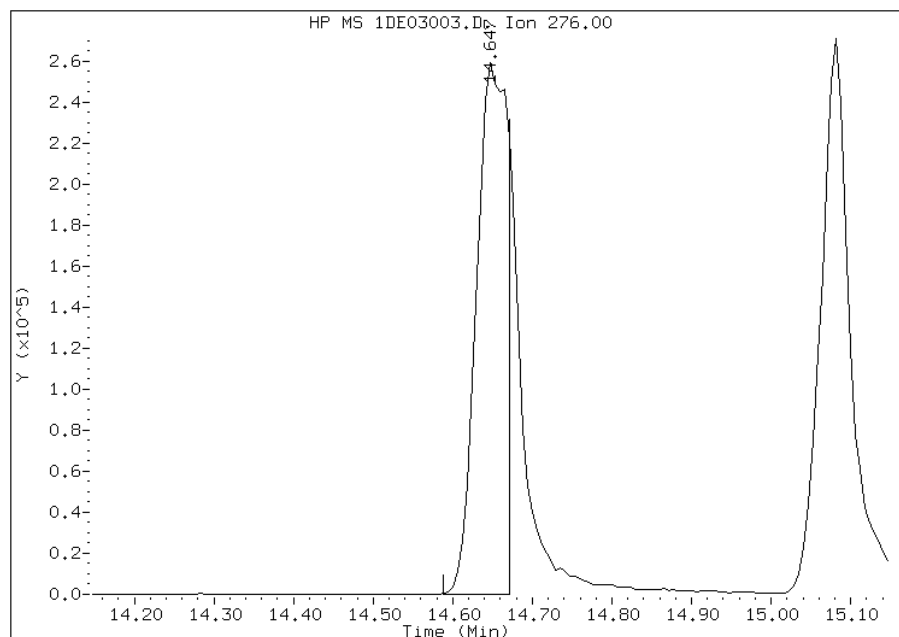
Processing Integration Results

RT: 14.86
Response: 1186
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.65
Response: 700304
Amount: 17
Conc: 17



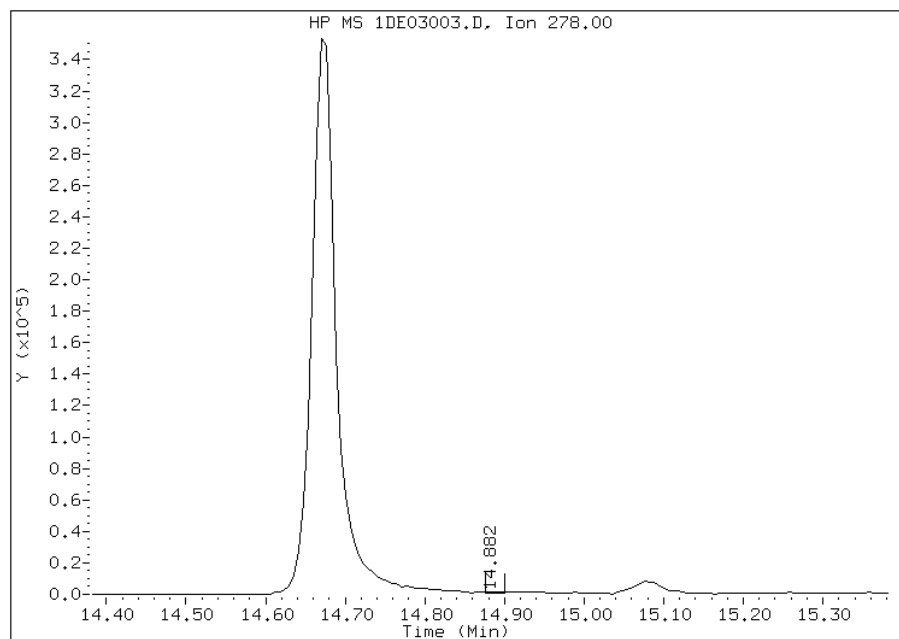
Manually Integrated By: cantins
Modification Date: 03-May-2013 10:58
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03003.D
Inj. Date and Time: 03-MAY-2013 10:32
Instrument ID: BSMMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/05/2013

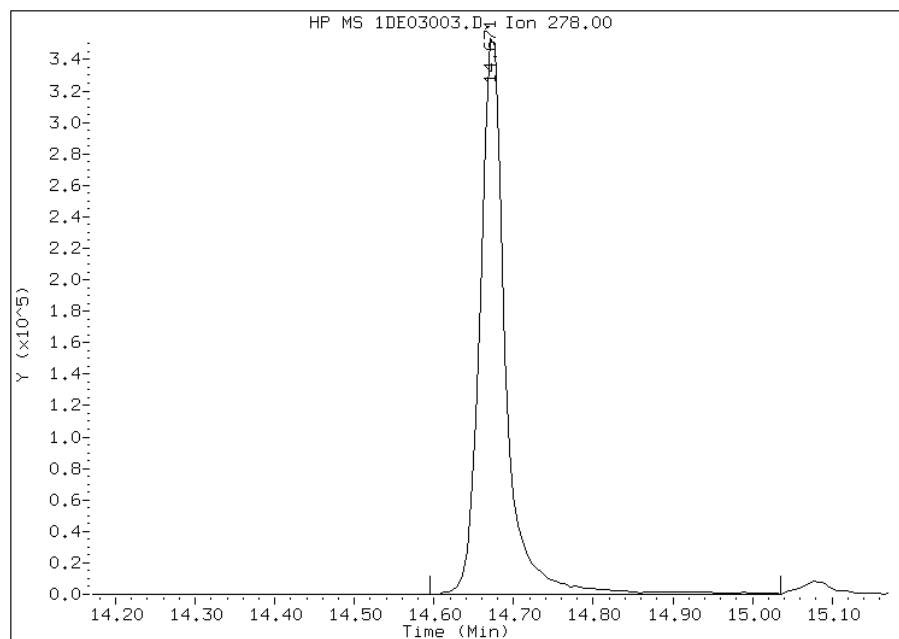
Processing Integration Results

RT: 14.88
Response: 809
Amount: 0
Conc: 0



Manual Integration Results

RT: 14.67
Response: 793588
Amount: 20
Conc: 20



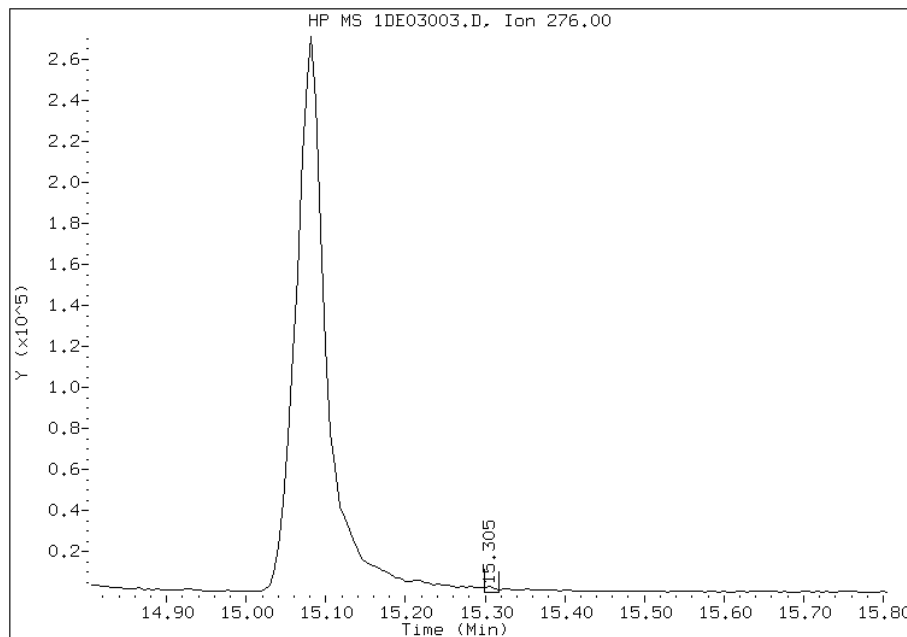
Manually Integrated By: cantins
Modification Date: 03-May-2013 10:57
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03003.D
Inj. Date and Time: 03-MAY-2013 10:32
Instrument ID: BSMSD.i
Client ID:
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/05/2013

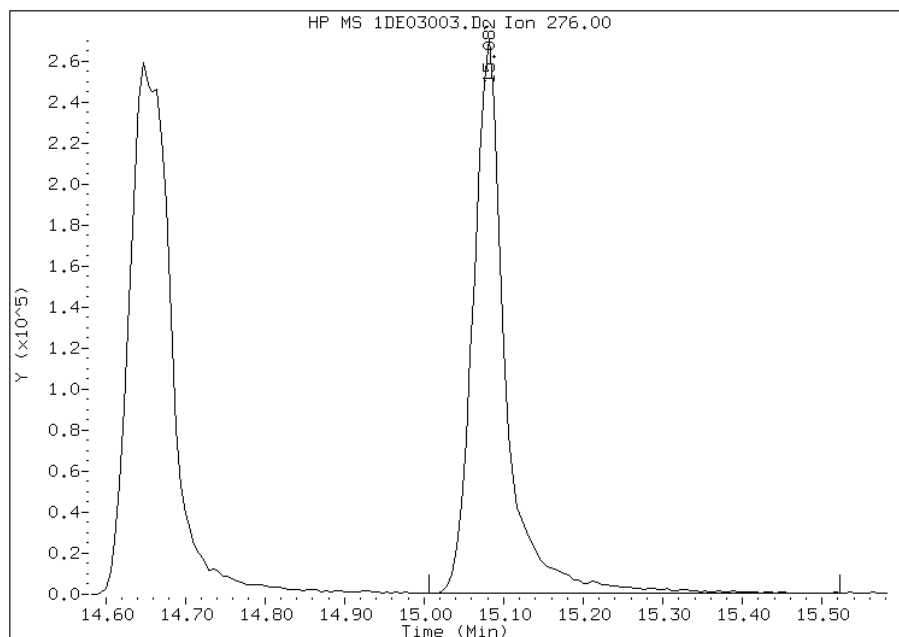
Processing Integration Results

RT: 15.31
Response: 2702
Amount: 0
Conc: 0



Manual Integration Results

RT: 15.08
Response: 769083
Amount: 19
Conc: 19



Manually Integrated By: cantins
Modification Date: 03-May-2013 10:57
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\1AD26002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 26-APR-2013 09:50
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : DFTPP-1525851
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613.b\a-dftpp198.m
 Meth Date : 04-Apr-2013 10:35 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
4.935	4.963	-0.028	198	121536			50.00-	0.00	100.00
4.935	4.963	-0.028	51	38720			10.00-	80.00	31.86
4.935	4.963	-0.028	68	0	0.0	0.0	0.00-	2.00	0.00
4.935	4.963	-0.028	69	36384			0.00-	0.00	29.94
4.935	4.963	-0.028	70	323			0.00-	2.00	0.89
4.935	4.963	-0.028	127	46488			10.00-	80.00	38.25
4.935	4.963	-0.028	197	0	0.0	0.0	0.00-	2.00	0.00
4.935	4.963	-0.028	442	102376			50.00-	0.00	84.24
4.935	4.963	-0.028	199	6667			5.00-	9.00	5.49
4.935	4.963	-0.028	275	30992			10.00-	60.00	25.50
4.935	4.963	-0.028	365	3993			1.00-	0.00	3.29
4.935	4.963	-0.028	441	14043			0.01-	99.99	74.57
4.935	4.963	-0.028	443	18832			15.00-	24.00	18.39

Data File: 1AD26002.D

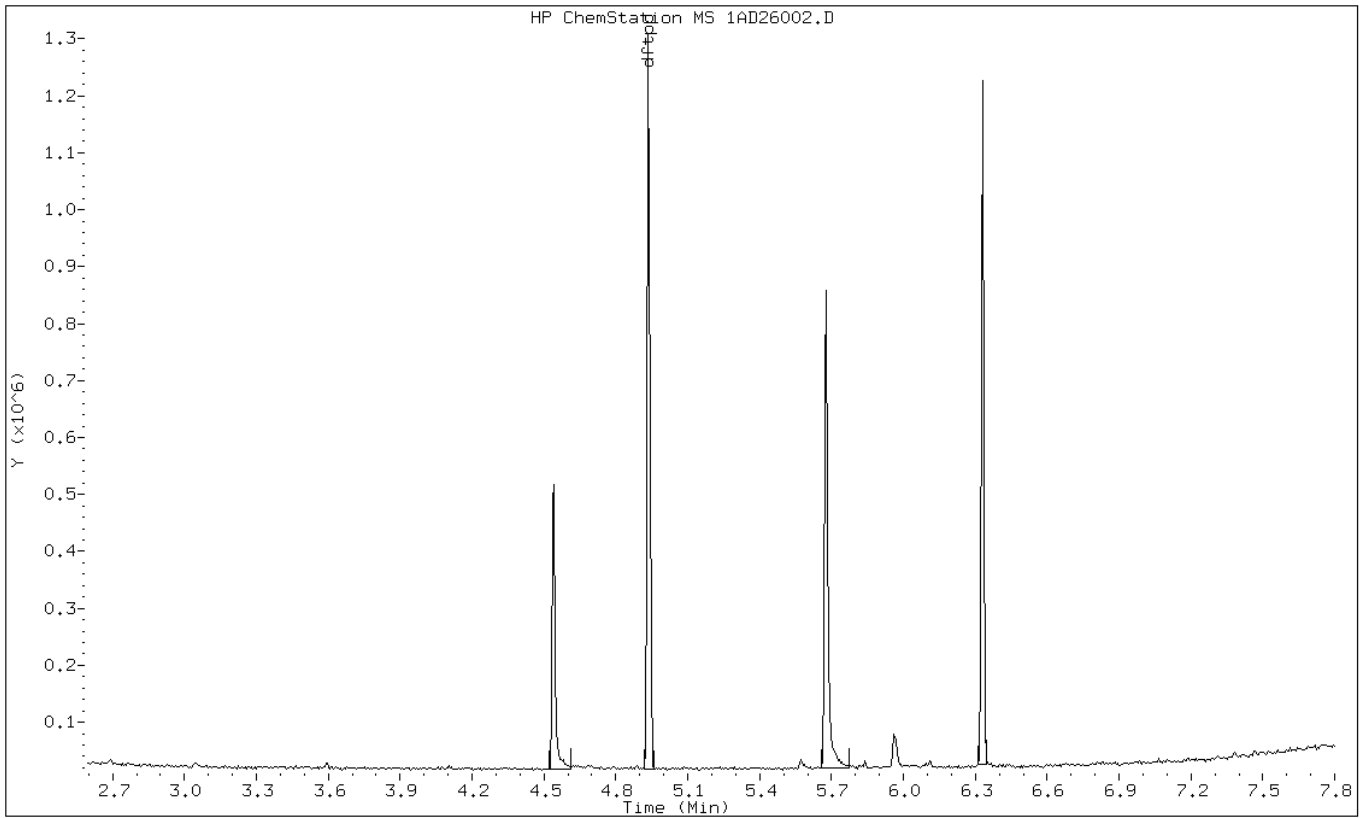
Date: 26-APR-2013 09:50

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC



Data File: 1AD26002.D

Date: 26-APR-2013 09:50

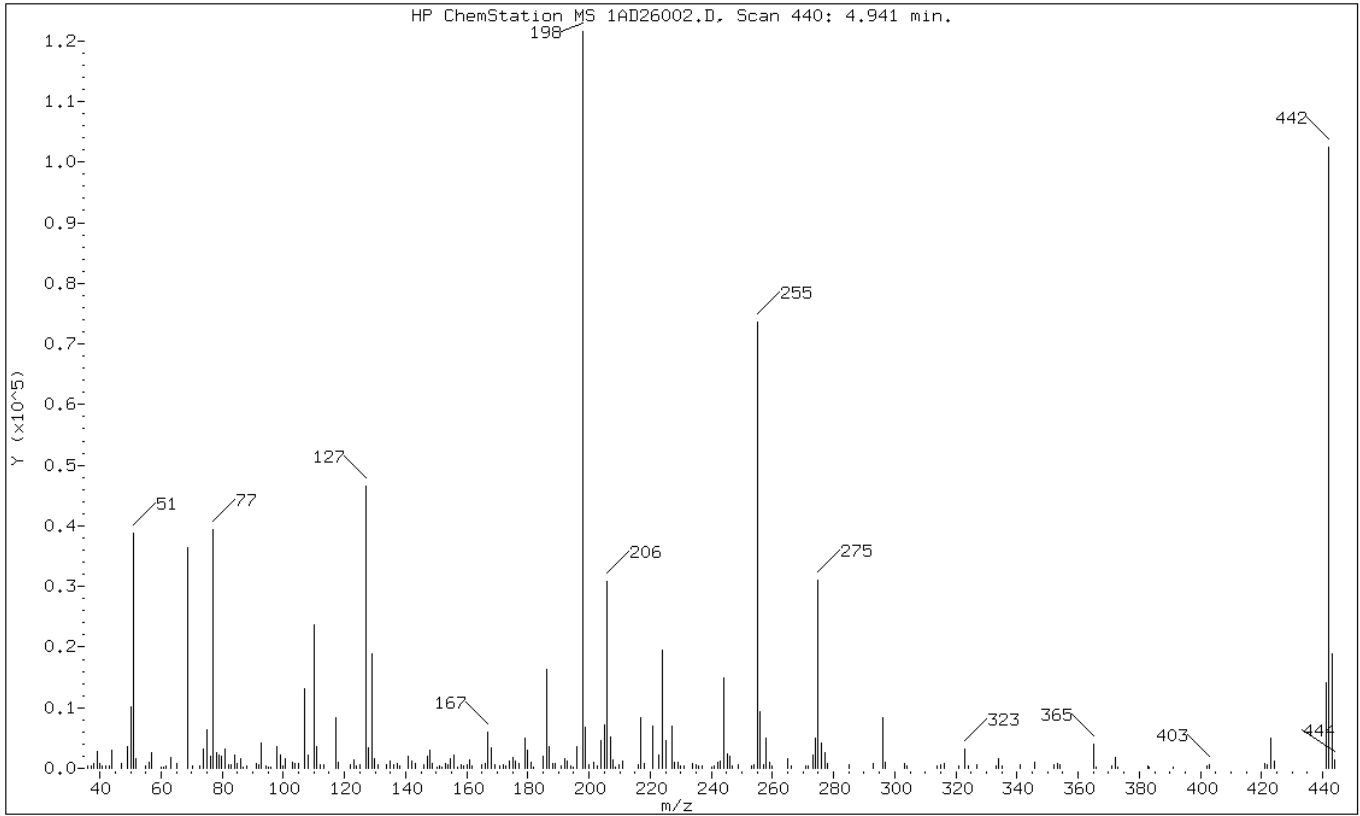
Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

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	31.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	29.94
70	Less than 2.00% of mass 69	0.27 (0.89)
127	10.00 - 80.00% of mass 198	38.25
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	84.24
199	5.00 - 9.00% of mass 198	5.49
275	10.00 - 60.00% of mass 198	25.50
365	Greater than 1.00% of mass 198	3.29
441	Present, but less than mass 443	11.55
443	15.00 - 24.00% of mass 442	15.49 (18.39)

Data File: 1AD26002.D

Date: 26-APR-2013 09:50

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMA5973.i\1A042613_IC.b\1AD26002.D

Spectrum: HP ChemStation MS 1AD26002.D, Scan 440: 4.941 min.

Location of Maximum: 197.90

Number of points: 218

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	318	109.90	23624	181.90	258	257.90	4917
37.10	304	110.90	3528	185.00	1943	258.90	978
38.00	772	112.00	696	186.00	16384	259.90	303
39.00	2851	113.10	557	187.00	3659	265.00	1578
40.10	716	117.00	8329	188.00	719	266.20	302
40.90	450	117.90	908	188.90	826	270.90	415
42.00	367	122.00	606	190.80	404	271.70	437
43.00	323	123.00	1311	192.00	1546	273.10	2160
44.00	3058	124.00	371	192.90	1214	274.00	5041
46.90	754	125.00	512	194.00	396	275.00	30992
49.00	3565	127.00	46488	194.80	255	275.90	4232
50.00	10138	128.00	3368	195.90	3544	277.00	2575
51.00	38720	128.90	18888	197.90	121536	278.00	834
51.90	1557	129.80	1654	198.90	6667	285.00	690
55.00	474	131.00	544	199.90	619	293.00	822
56.00	1032	133.90	503	201.70	1011	296.00	8395
57.00	2554	135.00	1277	202.90	396	297.00	904
60.00	257	136.00	571	204.00	4575	303.20	722
60.90	289	137.10	702	205.00	7152	303.90	319
61.80	317	138.00	427	206.00	30816	314.00	477
63.10	1724	141.00	2035	207.00	5196	314.90	676
65.00	759	142.00	1118	207.90	1339	316.10	769
68.90	36384	143.00	713	208.70	266	320.80	382
70.10	323	146.10	541	209.90	683	323.00	3132
72.80	315	147.00	1966	211.10	1168	324.00	468
74.00	3176	148.00	2955	216.00	640	327.00	657
75.00	6302	148.90	888	216.90	8402	333.00	481
76.10	1935	150.10	289	217.90	765	334.10	1644
77.00	39448	151.00	322	220.90	7020	335.00	459
78.00	2640	151.90	273	223.00	2251	340.90	509
79.00	2237	152.90	869	224.00	19528	345.90	899
79.90	2049	153.90	672	225.00	4617	351.90	634
80.90	3195	154.80	1546	227.00	6882	352.20	548
82.00	676	156.00	2256	227.90	931	353.10	702
82.90	597	156.90	256	229.00	1037	353.90	642
83.90	2102	158.10	527	229.90	339	365.00	3993
84.90	795	159.00	341	231.10	439	365.90	292
86.10	1590	160.00	680	234.00	698	371.00	314
86.80	277	161.00	1485	235.00	536	372.10	1782
87.90	476	161.90	375	236.00	404	372.80	257

91.10	819	164.80	641	237.10	489	382.80	327
92.10	653	166.00	856	240.00	276	383.30	252
92.90	4252	167.00	5928	241.00	479	391.00	277
94.20	435	168.00	3455	242.00	967	402.10	404
95.00	281	169.10	686	243.00	1175	403.00	649
+-----+							
95.90	273	170.90	352	244.00	14953	421.10	713
98.00	3544	172.00	525	245.10	2429	421.80	629
99.00	2270	172.80	444	246.00	1998	422.90	5030
99.80	420	173.90	1209	246.80	476	424.00	1147
100.80	1642	175.10	1874	248.90	576	441.00	14043
+-----+							
103.00	1034	176.00	1175	253.00	400	442.00	102376
103.90	828	177.00	876	253.90	504	443.00	18832
105.00	864	179.00	4909	255.00	73608	443.90	1450
107.00	13154	179.90	2911	256.00	9434		
108.00	2102	180.90	1012	257.00	624		
+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 06-MAY-2013 10:11
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : DFTPP-1525851
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\a-dftpp198.m
 Meth Date : 04-Apr-2013 10:35 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO		
====	=====	=====	====	=====	=====	=====	=====		
1 dftpp					CAS #: 5074-71-5				
4.893	4.963	-0.070	198	57528		50.00- 0.00	100.00		
4.893	4.963	-0.070	51	21778		10.00- 80.00	37.86		
4.893	4.963	-0.070	68	150		0.00- 2.00	0.78		
4.893	4.963	-0.070	69	19303		0.00- 0.00	33.55		
4.893	4.963	-0.070	70	321		0.00- 2.00	1.66		
4.893	4.963	-0.070	127	26701		10.00- 80.00	46.41		
4.893	4.963	-0.070	197	0	0.0	0.00- 2.00	0.00		
4.893	4.963	-0.070	442	50968		50.00- 0.00	88.60		
4.893	4.963	-0.070	199	4201		5.00- 9.00	7.30		
4.893	4.963	-0.070	275	14341		10.00- 60.00	24.93		
4.893	4.963	-0.070	365	1641		1.00- 0.00	2.85		
4.893	4.963	-0.070	441	7097		0.01- 99.99	75.79		
4.893	4.963	-0.070	443	9364		15.00- 24.00	18.37		

Data File: 1AE06002.D

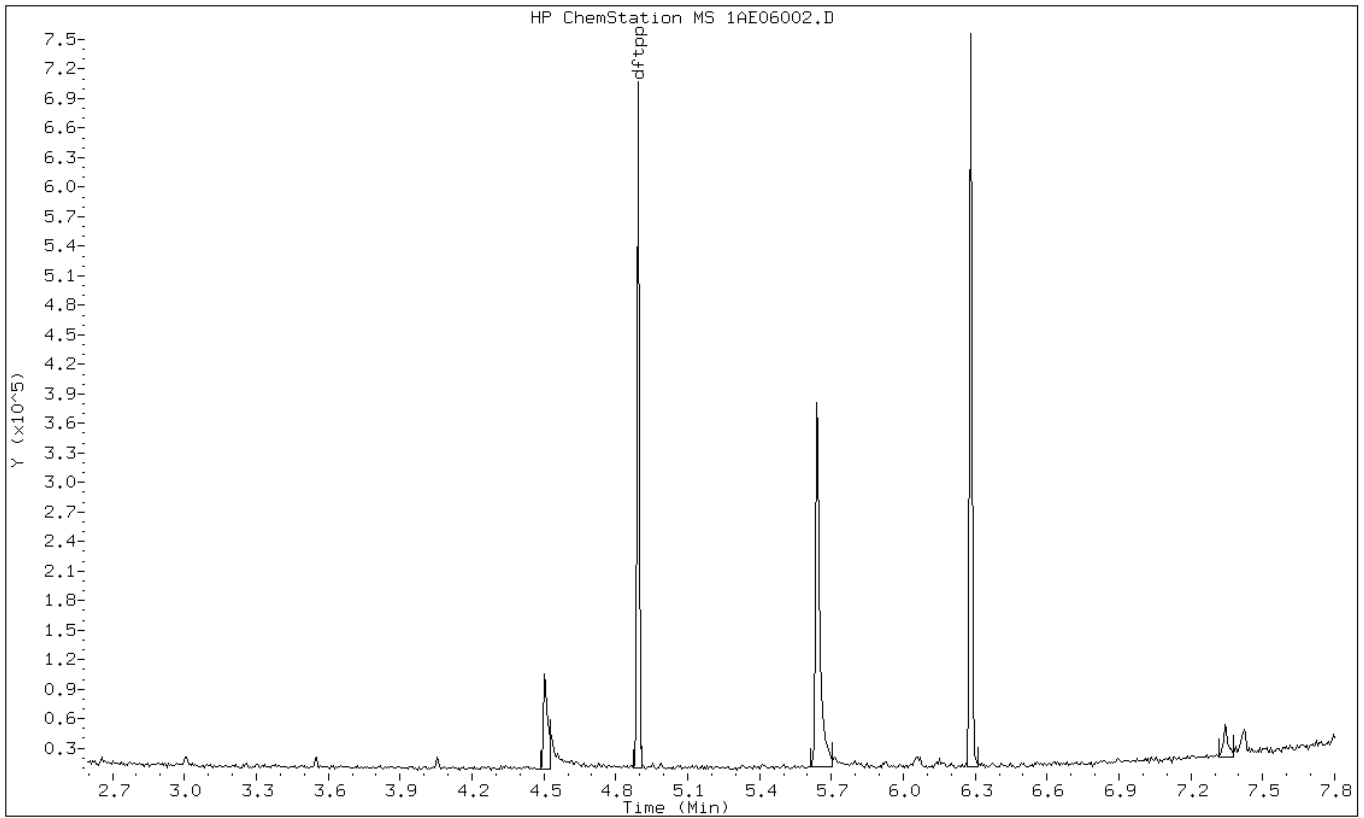
Date: 06-MAY-2013 10:11

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC



Data File: 1AE06002.D

Date: 06-MAY-2013 10:11

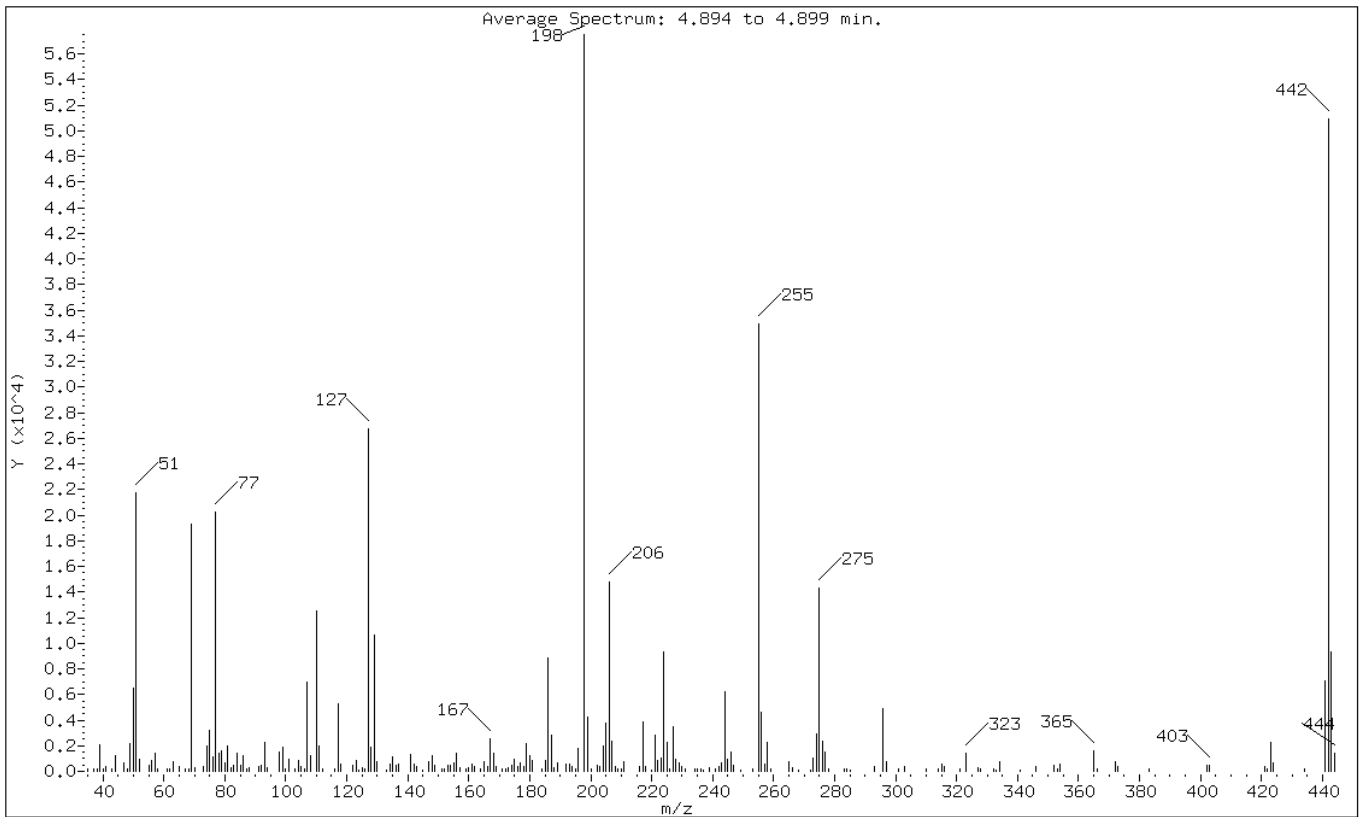
Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

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	37.86
68	Less than 2.00% of mass 69	0.26 (0.78)
69	Mass 69 relative abundance	33.55
70	Less than 2.00% of mass 69	0.56 (1.66)
127	10.00 - 80.00% of mass 198	46.41
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	88.60
199	5.00 - 9.00% of mass 198	7.30
275	10.00 - 60.00% of mass 198	24.93
365	Greater than 1.00% of mass 198	2.85
441	Present, but less than mass 443	12.34
443	15.00 - 24.00% of mass 442	16.28 (18.37)

Data File: 1AE06002.D

Date: 06-MAY-2013 10:11

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1525851

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMA5973.i\1A050613.b\1AE06002.D

Spectrum: Average Spectrum: 4.894 to 4.899 min.

Location of Maximum: 198.00

Number of points: 219

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	163	108.00	1239	181.00	851	256.00	4636
37.00	156	110.00	12507	184.00	149	257.00	523
38.00	198	111.00	1967	185.00	803	258.00	2260
39.00	2065	112.00	171	186.00	8887	259.00	189
40.00	227	116.00	201	187.00	2798	265.00	774
41.00	402	117.00	5309	188.00	238	266.00	253
43.00	157	118.00	581	189.00	658	268.00	138
44.00	1183	122.00	433	192.00	597	272.00	132
47.00	644	123.00	860	193.00	519	273.00	1005
48.00	173	124.00	130	194.00	402	274.00	2879
49.00	2203	125.00	327	195.00	179	275.00	14341
50.00	6482	126.00	144	196.00	1807	276.00	2336
51.00	21776	127.00	26696	198.00	57528	277.00	1475
52.00	935	128.00	1902	199.00	4201	278.00	147
55.00	483	129.00	10602	200.00	146	283.00	142
56.00	828	130.00	798	202.00	501	284.00	171
57.00	1410	133.00	131	203.00	342	285.00	130
58.00	157	134.00	589	204.00	1990	293.00	374
61.00	226	135.00	1111	205.00	3759	296.00	4873
62.00	219	136.00	509	206.00	14757	297.00	798
63.00	710	137.00	544	207.00	2319	301.00	159
65.00	363	141.00	1360	208.00	334	303.00	401
67.00	154	142.00	519	209.00	187	310.00	191
68.00	150	143.00	362	210.00	163	314.00	181
69.00	19296	145.00	132	211.00	732	315.00	566
70.00	321	147.00	775	216.00	411	316.00	405
73.00	350	148.00	1196	217.00	3840	321.00	172
74.00	1963	149.00	428	218.00	401	323.00	1437
75.00	3170	151.00	180	220.00	129	327.00	272
76.00	1099	152.00	156	221.00	2850	328.00	187
77.00	20232	153.00	492	222.00	804	332.00	163
78.00	1369	154.00	514	223.00	1004	333.00	133
79.00	1624	155.00	638	224.00	9288	334.00	783
80.00	676	156.00	1388	225.00	2223	341.00	125
81.00	1934	157.00	302	226.00	171	346.00	355
82.00	244	159.00	191	227.00	3480	352.00	462
83.00	509	160.00	265	228.00	907	353.00	202
84.00	1383	161.00	547	229.00	688	354.00	531
85.00	492	162.00	334	230.00	358	365.00	1641
86.00	1181	164.00	196	231.00	145	366.00	175

87.00	202	165.00	726	234.00	224	372.00	775
88.00	293	166.00	399	235.00	156	373.00	397
91.00	342	167.00	2575	236.00	170	383.00	218
92.00	461	168.00	1370	237.00	137	402.00	427
93.00	2305	169.00	331	239.00	280	403.00	432
+-----+-----+-----+-----+-----+-----+-----+-----+							
94.00	254	171.00	162	241.00	228	421.00	371
98.00	1468	172.00	183	242.00	360	422.00	142
99.00	1901	173.00	275	243.00	647	423.00	2274
100.00	194	174.00	453	244.00	6260	424.00	676
101.00	952	175.00	907	245.00	931	434.00	158
+-----+-----+-----+-----+-----+-----+-----+-----+							
103.00	216	176.00	340	246.00	1492	441.00	7097
104.00	886	177.00	695	247.00	478	442.00	50968
105.00	404	178.00	416	249.00	129	443.00	9364
106.00	232	179.00	2194	253.00	142	444.00	1393
107.00	6935	180.00	1266	255.00	34928		
+-----+-----+-----+-----+-----+-----+-----+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 04-APR-2013 12:15
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
8.382	8.532	-0.150	198	72572			50.00-	0.00	100.00
8.382	8.532	-0.150	51	32556			10.00-	80.00	44.86
8.382	8.532	-0.150	68	0	0.0	0.0	0.00-	2.00	0.00
8.382	8.532	-0.150	69	32936			0.00-	0.00	45.38
8.382	8.532	-0.150	70	114			0.00-	2.00	0.35
8.382	8.532	-0.150	127	36680			10.00-	80.00	50.54
8.382	8.532	-0.150	197	0	0.0	0.0	0.00-	2.00	0.00
8.382	8.532	-0.150	442	48716			50.00-	0.00	67.13
8.382	8.532	-0.150	199	4977			5.00-	9.00	6.86
8.382	8.532	-0.150	275	19350			10.00-	60.00	26.66
8.382	8.532	-0.150	365	2279			1.00-	0.00	3.14
8.382	8.532	-0.150	441	2370			0.01-	99.99	23.58
8.382	8.532	-0.150	443	10052			15.00-	24.00	20.63

Data File: 1DD04003.D

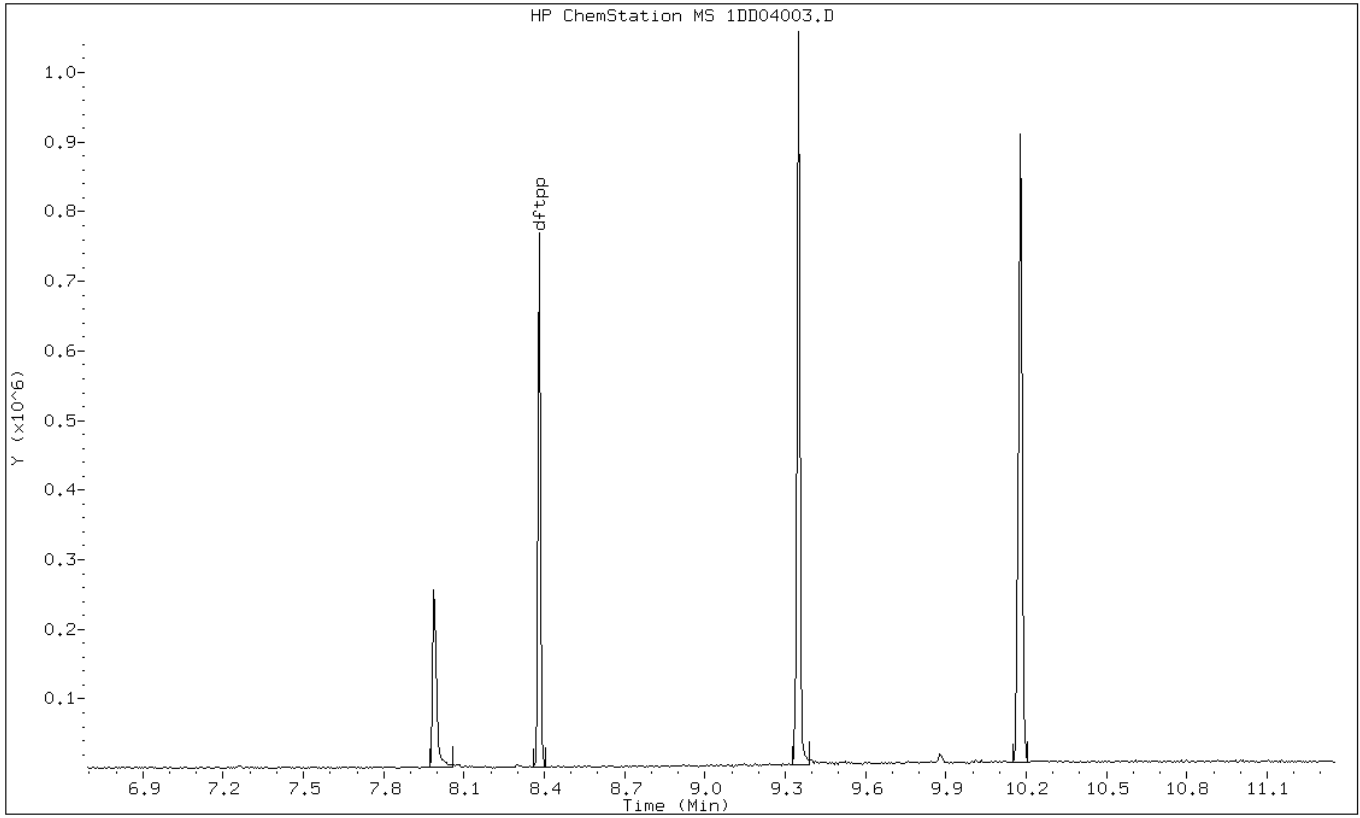
Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DD04003.D

Date: 04-APR-2013 12:15

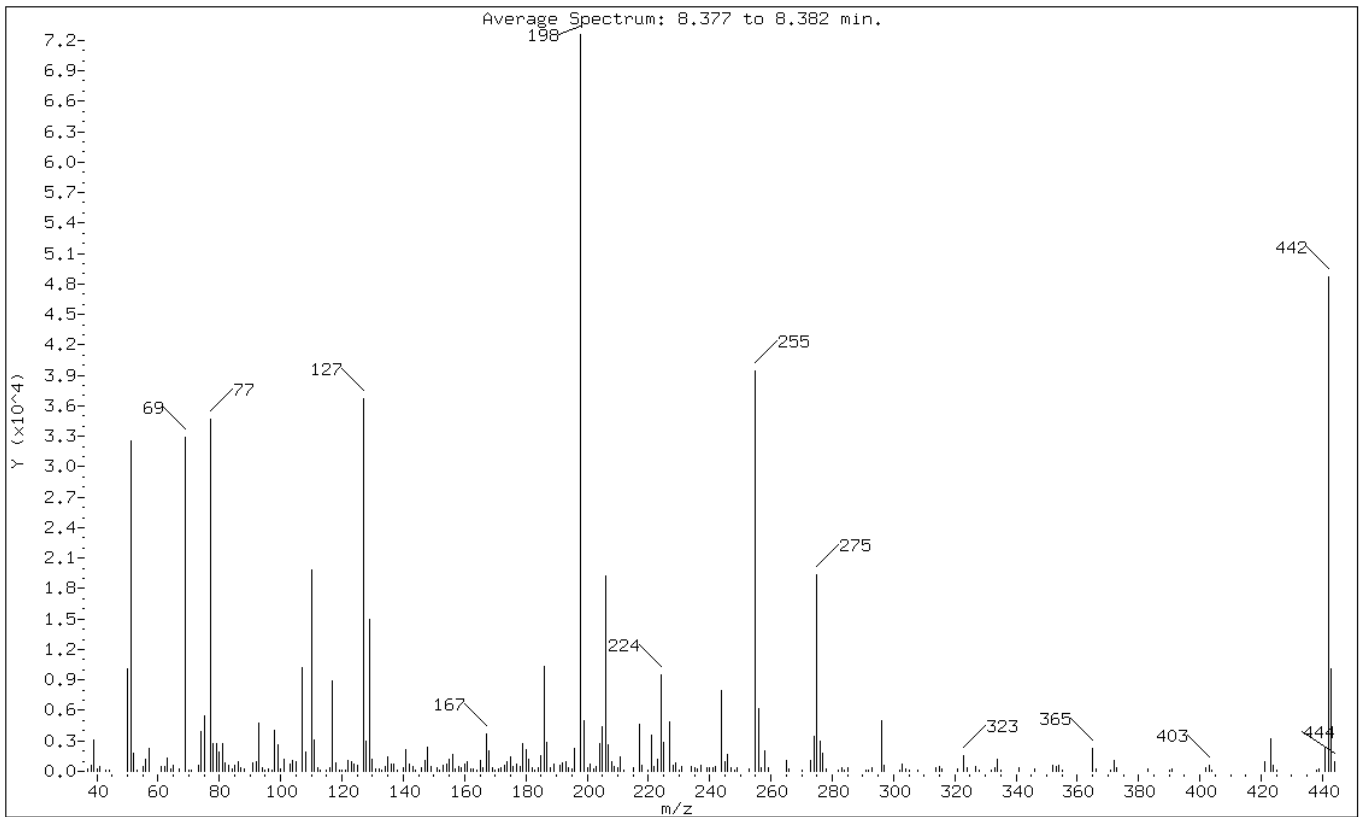
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

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	44.86
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	45.38
70	Less than 2.00% of mass 69	0.16 (0.35)
127	10.00 - 80.00% of mass 198	50.54
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	67.13
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 60.00% of mass 198	26.66
365	Greater than 1.00% of mass 198	3.14
441	Present, but less than mass 443	3.27
443	15.00 - 24.00% of mass 442	13.85 (20.63)

Data File: 1DD04003.D

Date: 04-APR-2013 12:15

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D040413.b\1DD04003.D

Spectrum: Average Spectrum: 8.377 to 8.382 min.

Location of Maximum: 198.00

Number of points: 246

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	274	119.00	120	185.00	1517	270.00	78
38.00	589	120.00	118	186.00	10284	273.00	1081
39.00	3038	121.00	77	187.00	2888	274.00	3485
40.00	277	122.00	1015	188.00	332	275.00	19344
41.00	463	123.00	946	189.00	735	276.00	2999
43.00	124	124.00	666	191.00	579	277.00	1839
44.00	117	125.00	567	192.00	873	278.00	226
50.00	10128	127.00	36680	193.00	975	282.00	81
51.00	32552	128.00	2957	194.00	335	283.00	314
52.00	1767	129.00	14951	195.00	275	284.00	90
53.00	85	130.00	1205	196.00	2233	285.00	356
55.00	420	131.00	194	198.00	72568	291.00	83
56.00	1176	132.00	206	199.00	4977	292.00	80
57.00	2213	133.00	92	200.00	323	293.00	412
61.00	490	134.00	523	201.00	663	296.00	5046
62.00	459	135.00	1404	202.00	210	297.00	576
63.00	1290	136.00	674	203.00	519	302.00	157
64.00	230	137.00	709	204.00	2685	303.00	675
65.00	539	138.00	79	205.00	4398	304.00	185
67.00	251	140.00	333	206.00	19200	305.00	82
69.00	32936	141.00	2082	207.00	2631	308.00	174
70.00	114	142.00	713	208.00	974	314.00	314
71.00	81	143.00	523	209.00	499	315.00	487
73.00	647	144.00	93	210.00	329	316.00	223
74.00	3962	146.00	312	211.00	1393	321.00	206
75.00	5478	147.00	1032	212.00	165	323.00	1494
77.00	34688	148.00	2326	215.00	308	324.00	410
78.00	2711	149.00	488	217.00	4596	327.00	476
79.00	2695	151.00	320	218.00	606	328.00	99
80.00	1923	152.00	103	220.00	76	332.00	111
81.00	2677	153.00	558	221.00	3596	333.00	396
82.00	777	154.00	665	222.00	431	334.00	1163
83.00	630	155.00	1227	223.00	1208	335.00	119
84.00	185	156.00	1628	224.00	9447	341.00	297
85.00	566	157.00	240	225.00	2804	346.00	197
86.00	895	158.00	430	227.00	4861	352.00	557
87.00	384	159.00	320	228.00	637	353.00	477
88.00	184	160.00	765	229.00	843	354.00	558
91.00	856	161.00	1005	230.00	115	355.00	81
92.00	893	162.00	279	231.00	446	365.00	2279

93.00	4736	163.00	190	234.00	485	366.00	181
94.00	298	164.00	105	235.00	402	371.00	117
95.00	167	165.00	1019	236.00	243	372.00	1076
96.00	240	166.00	344	237.00	537	373.00	335
97.00	178	167.00	3671	239.00	320	383.00	219
+-----+							
98.00	4066	168.00	1997	240.00	333	390.00	136
99.00	2655	169.00	349	241.00	361	391.00	180
100.00	295	170.00	112	242.00	472	402.00	362
101.00	1142	171.00	208	244.00	7939	403.00	564
103.00	719	172.00	342	245.00	988	404.00	144
+-----+							
104.00	1122	173.00	643	246.00	1619	421.00	961
105.00	909	174.00	893	247.00	381	423.00	3222
107.00	10195	175.00	1368	248.00	80	424.00	628
108.00	1940	176.00	519	249.00	382	425.00	87
110.00	19784	177.00	713	253.00	265	438.00	129
+-----+							
111.00	3136	178.00	422	255.00	39432	439.00	214
112.00	374	179.00	2728	256.00	6151	441.00	2370
113.00	128	180.00	2151	257.00	340	442.00	48712
115.00	153	181.00	1200	258.00	2068	443.00	10052
116.00	393	182.00	314	259.00	399	444.00	994
+-----+							
117.00	8897	183.00	98	265.00	1086		
118.00	800	184.00	382	266.00	282		
+-----+							

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 03-MAY-2013 10:16
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\d-dftpp198.m
 Meth Date : 08-Jan-2013 12:23 cantins Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.14 Sample Matrix: None
 Processing Host: TAM1000

CONCENTRATIONS									
ON-COL FINAL									
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
8.295	8.532	-0.237	198	58416			50.00-	0.00	100.00
8.295	8.532	-0.237	51	33640			10.00-	80.00	57.59
8.295	8.532	-0.237	68	0	0.0	0.0	0.00-	2.00	0.00
8.295	8.532	-0.237	69	29464			0.00-	0.00	50.44
8.295	8.532	-0.237	70	0	0.0	0.0	0.00-	2.00	0.00
8.295	8.532	-0.237	127	29896			10.00-	80.00	51.18
8.295	8.532	-0.237	197	0	0.0	0.0	0.00-	2.00	0.00
8.295	8.532	-0.237	442	31376			50.00-	0.00	53.71
8.295	8.532	-0.237	199	4052			5.00-	9.00	6.94
8.295	8.532	-0.237	275	15622			10.00-	60.00	26.74
8.295	8.532	-0.237	365	1961			1.00-	0.00	3.36
8.295	8.532	-0.237	441	5128			0.01-	99.99	76.97
8.295	8.532	-0.237	443	6662			15.00-	24.00	21.23

Data File: 1DE03002.D

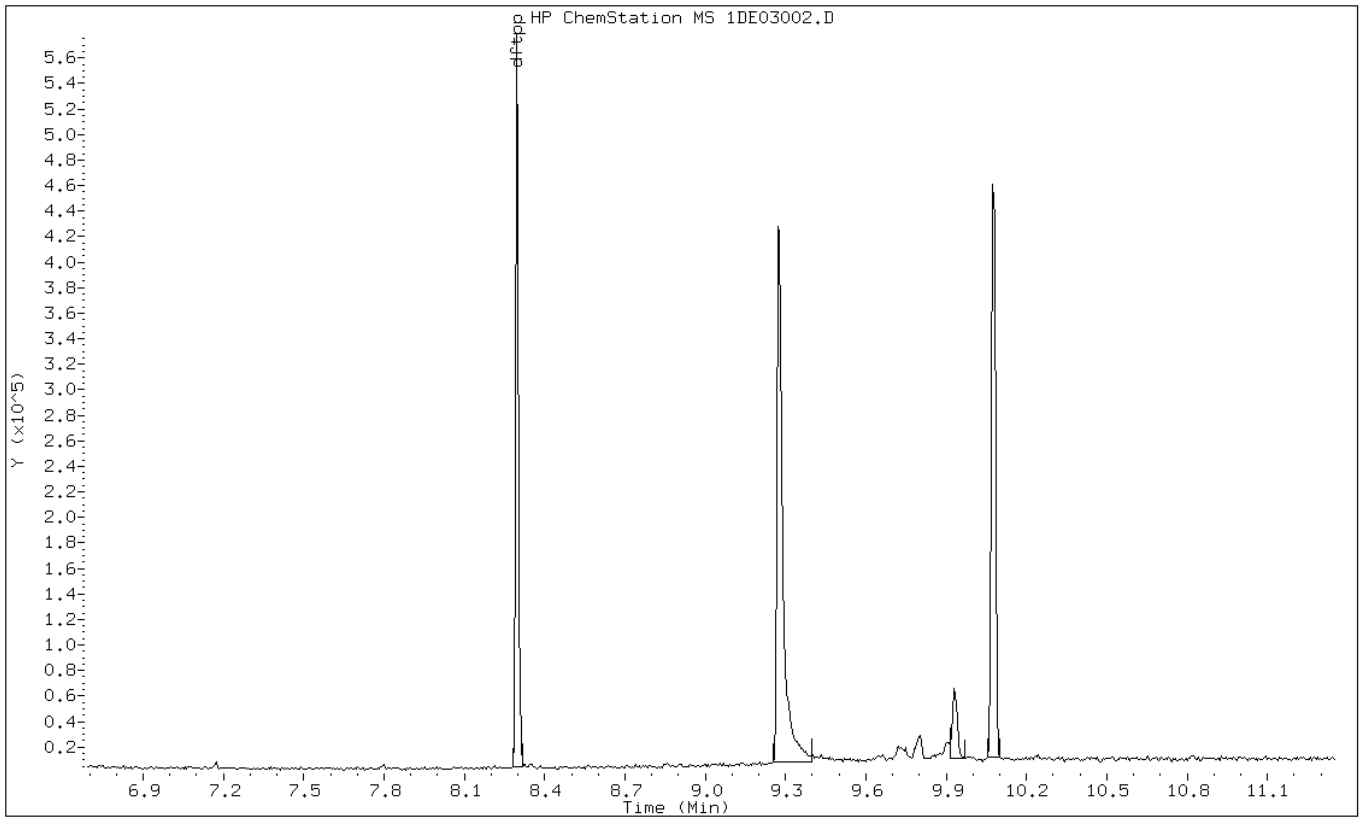
Date: 03-MAY-2013 10:16

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1DE03002.D

Date: 03-MAY-2013 10:16

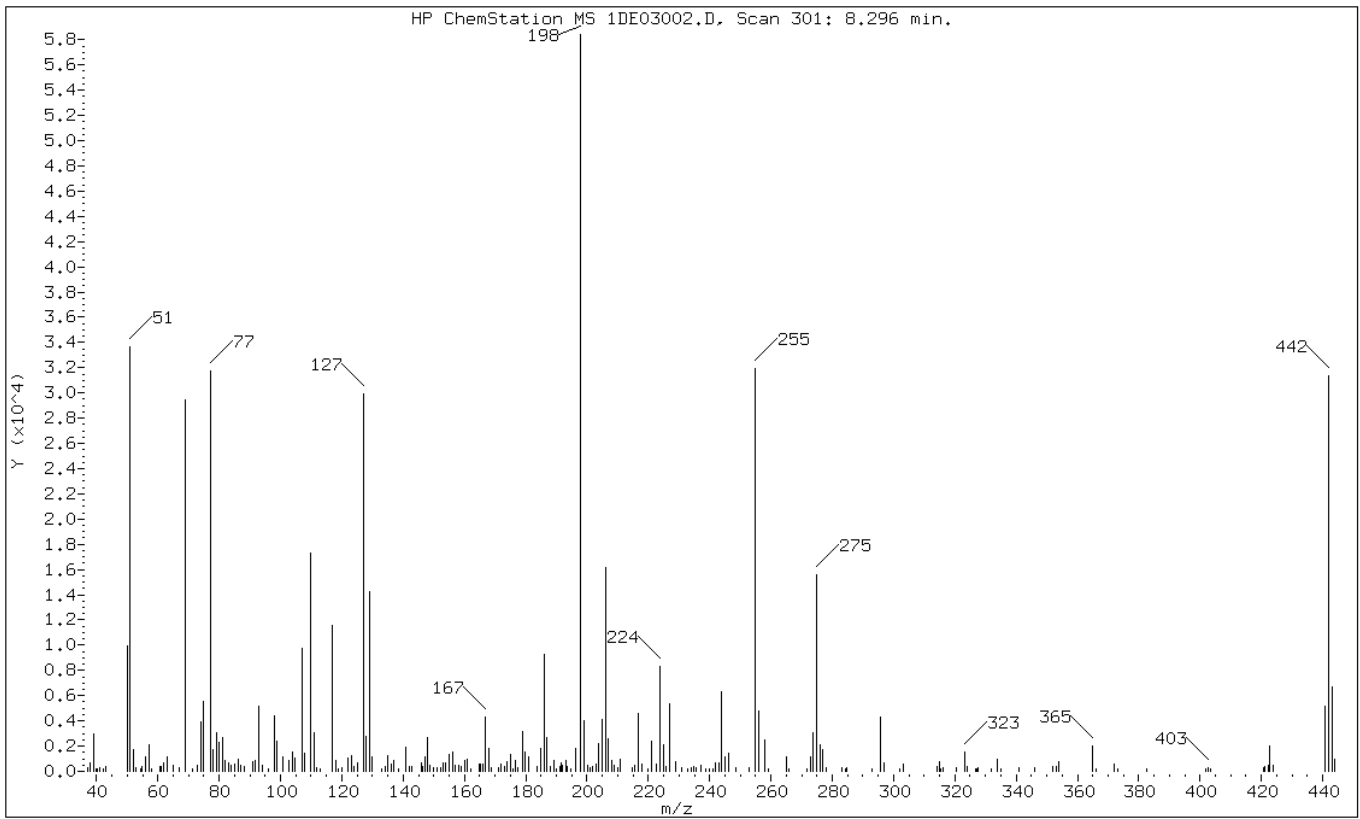
Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

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	57.59
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	50.44
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	51.18
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	53.71
199	5.00 - 9.00% of mass 198	6.94
275	10.00 - 60.00% of mass 198	26.74
365	Greater than 1.00% of mass 198	3.36
441	Present, but less than mass 443	8.78
443	15.00 - 24.00% of mass 442	11.40 (21.23)

Data File: 1DE03002.D

Date: 03-MAY-2013 10:16

Client ID: DFTPP

Instrument: BSMSD.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03002.D
Spectrum: HP ChemStation MS 1DE03002.D, Scan 301: 8.296 min.
Location of Maximum: 197.90
Number of points: 226

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	272	116.90	11611	184.90	1792	255.90	4772
37.90	673	118.00	827	185.90	9309	257.90	2461
39.00	2934	118.70	238	187.00	2701	259.30	215
39.90	176	120.10	265	188.00	358	265.00	1135
40.20	199	122.00	1043	189.20	840	266.00	175
40.90	244	123.00	1211	189.90	155	271.80	164
42.10	157	124.00	387	191.00	394	273.00	1114
43.00	347	125.10	694	191.70	655	273.90	3044
50.00	9939	127.00	29896	192.10	448	275.00	15622
51.00	33640	127.90	2758	193.00	854	275.90	2113
52.00	1717	129.00	14236	193.60	349	276.90	1737
52.90	257	129.90	1166	194.90	232	277.90	299
54.30	175	132.90	168	196.10	1797	283.00	248
54.90	366	134.00	372	197.90	58416	284.20	186
56.00	1191	135.00	1285	198.90	4052	284.80	315
57.00	2068	136.00	536	200.10	488	292.90	167
57.80	172	137.00	816	201.00	288	295.90	4259
60.80	409	138.70	224	201.60	349	296.90	683
61.10	379	140.80	1944	202.80	559	302.00	204
61.90	635	142.00	429	203.90	2171	303.00	603
63.10	1182	142.80	363	205.00	4072	314.00	338
64.90	479	145.90	651	206.00	16152	314.90	745
67.00	290	146.40	417	207.00	2545	315.50	217
69.00	29464	147.00	1129	208.00	902	316.20	265
71.20	167	147.90	2689	208.90	445	320.60	253
72.90	464	148.80	457	210.00	333	323.10	1505
74.00	3916	149.90	245	210.80	949	323.90	346
75.00	5587	151.20	277	214.60	218	326.80	183
77.00	31768	152.10	266	214.90	290	327.10	190
78.00	1754	152.90	710	215.70	523	327.60	244
79.00	3104	153.90	700	216.90	4590	332.00	198
80.00	2327	154.90	1298	217.80	534	334.00	959
81.00	2634	156.00	1521	220.00	206	334.90	203
81.90	815	157.00	453	221.00	2417	340.90	268
83.10	660	158.00	475	222.80	567	345.90	322
83.80	509	158.90	420	223.90	8322	352.10	395
84.90	564	160.10	821	225.00	2126	353.00	420
86.10	995	161.10	925	225.80	406	353.90	737
87.10	491	162.10	188	226.90	5316	364.90	1961
88.10	388	164.80	610	228.80	771	366.00	207

90.80	780	165.10	563	230.90	292	371.90	560
91.90	845	165.90	576	232.80	214	373.20	162
92.90	5120	167.00	4285	234.00	325	382.70	155
94.10	438	167.90	1831	234.80	393	401.70	202
95.90	155	168.80	300	235.70	250	402.80	292
+-----+							
97.90	4409	171.00	252	237.10	471	403.40	193
99.00	2434	171.90	598	238.80	216	420.80	323
100.90	1111	172.90	377	239.90	159	421.20	343
102.90	832	173.90	786	241.10	162	422.10	483
104.00	1513	175.00	1303	242.00	642	422.80	2013
+-----+							
104.90	1033	175.90	202	242.90	704	424.00	454
107.00	9733	176.80	872	243.90	6314	440.90	5128
108.00	1466	177.40	327	245.00	1111	442.00	31376
109.90	17272	178.90	3129	246.10	1420	443.00	6662
110.90	3070	179.80	1566	248.50	277	443.90	954
+-----+							
111.90	334	180.90	1130	252.70	263		
113.00	170	183.60	379	254.90	31920		
+-----+							

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: _____ Lab Sample ID: MB 660-137037/1-A
 Matrix: Solid Lab File ID: 1DE03005.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15.00(g) Date Analyzed: 05/03/2013 11:28
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	100	U	100	20
208-96-8	Acenaphthylene	40	U	40	5.0
120-12-7	Anthracene	8.4	U	8.4	4.2
56-55-3	Benzo[a]anthracene	8.0	U	8.0	3.9
50-32-8	Benzo[a]pyrene	10	U	10	5.2
205-99-2	Benzo[b]fluoranthene	12	U	12	6.1
191-24-2	Benzo[g,h,i]perylene	20	U	20	4.4
207-08-9	Benzo[k]fluoranthene	8.0	U	8.0	3.6
218-01-9	Chrysene	9.0	U	9.0	4.5
53-70-3	Dibenz(a,h)anthracene	20	U	20	4.1
206-44-0	Fluoranthene	20	U	20	4.0
86-73-7	Fluorene	20	U	20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	20	U	20	7.1
90-12-0	1-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	40	U	40	7.1
91-20-3	Naphthalene	40	U	40	4.4
85-01-8	Phenanthrene	8.0	U	8.0	3.9
129-00-0	Pyrene	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03005.D
 Lab Smp Id: mb 660-137037/1-a
 Inj Date : 03-MAY-2013 11:28
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : mb 660-137037/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 6 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.005	6.004	(1.000)	1370230	40.0000		
* 6 Acenaphthene-d10	164		7.691	7.690	(1.000)	942213	40.0000		
* 9 Phenanthrene-d10	188		8.954	8.953	(1.000)	1505344	40.0000		
\$ 13 o-Terphenyl	230		9.260	9.259	(1.034)	158680	6.99599	470	
* 17 Chrysene-d12	240		11.258	11.257	(1.000)	1488703	40.0000		
* 22 Perylene-d12	264		13.067	13.066	(1.000)	1475833	40.0000		
10 Phenanthrene	178		8.966	8.971	(1.001)	1412	0.03405	2.3(Q)	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: 1DE03005.D

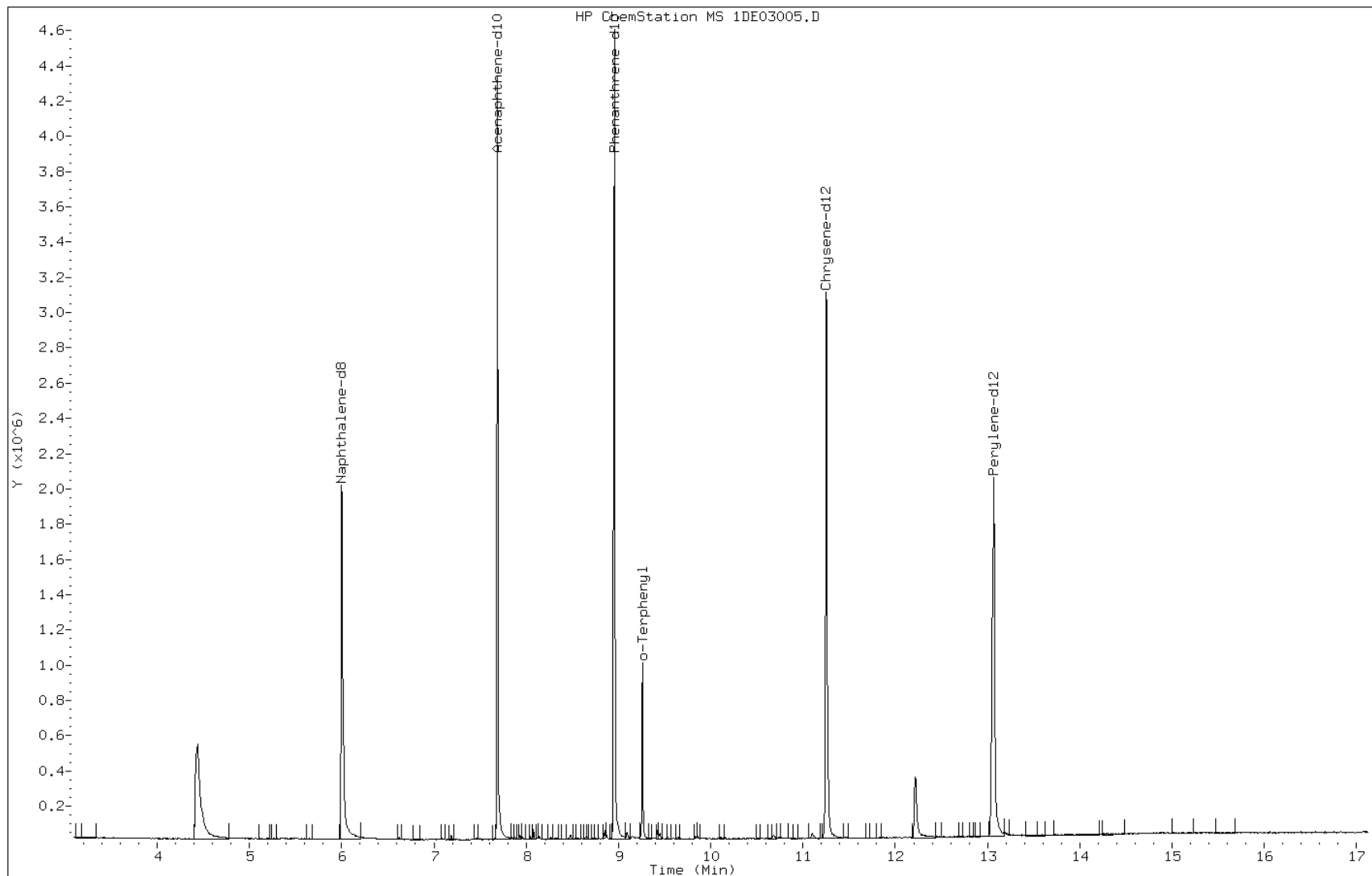
Date: 03-MAY-2013 11:28

Client ID:

Instrument: BSMSD.i

Sample Info: mb 660-137037/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: _____ Lab Sample ID: LCS 660-137037/2-A
 Matrix: Solid Lab File ID: 1AE06017.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 15.03(g) Date Analyzed: 05/06/2013 14:52
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137156 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	411		100	20
208-96-8	Acenaphthylene	463		40	5.0
120-12-7	Anthracene	452		8.4	4.2
56-55-3	Benzo[a]anthracene	465		8.0	3.9
50-32-8	Benzo[a]pyrene	384		10	5.2
205-99-2	Benzo[b]fluoranthene	375		12	6.1
191-24-2	Benzo[g,h,i]perylene	545		20	4.4
207-08-9	Benzo[k]fluoranthene	405		8.0	3.6
218-01-9	Chrysene	416		9.0	4.5
53-70-3	Dibenz(a,h)anthracene	537		20	4.1
206-44-0	Fluoranthene	427		20	4.0
86-73-7	Fluorene	467		20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	522		20	7.1
90-12-0	1-Methylnaphthalene	469		40	4.4
91-57-6	2-Methylnaphthalene	475		40	7.1
91-20-3	Naphthalene	425		40	4.4
85-01-8	Phenanthrene	451		8.0	3.9
129-00-0	Pyrene	557		20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	70		30-130

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\1AE06017.D
 Lab Smp Id: LCS 660-137037/2-A
 Inj Date : 06-MAY-2013 14:52
 Operator : SCC
 Smp Info : LCS 660-137037/2-A
 Misc Info : RE-RUN
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A050613.b\A-BFASTPAHi-m.m
 Meth Date : 06-May-2013 13:03 cantins Quant Type: ISTD
 Cal Date : 06-MAY-2013 11:56 Cal File: 1AE06009.D
 Als bottle: 17 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
								(ug/ml)	(ug/Kg)
* 1 Naphthalene-d8	136		2.548	2.544	(1.000)	1196490	40.0000		
* 6 Acenaphthene-d10	164		3.574	3.575	(1.000)	655641	40.0000		
* 10 Phenanthrene-d10	188		4.525	4.521	(1.000)	1074740	40.0000		
\$ 14 o-Terphenyl	230		4.819	4.820	(1.065)	107382	6.98107	464.4760	
* 18 Chrysene-d12	240		6.539	6.535	(1.000)	711012	40.0000		
* 23 Perylene-d12	264		7.629	7.630	(1.000)	850953	40.0000		
2 Naphthalene	128		2.559	2.555	(1.004)	179860	6.38337	424.7085	
3 2-Methylnaphthalene	141		2.960	2.961	(1.161)	102207	7.13755	474.8867	
4 1-Methylnaphthalene	142		3.018	3.014	(1.184)	121073	7.05403	469.3301	
5 Acenaphthylene	152		3.483	3.484	(0.975)	214322	6.95672	462.8556	
7 Acenaphthene	154		3.590	3.591	(1.004)	109187	6.17140	410.6053	
9 Fluorene	166		3.905	3.901	(1.093)	141574	7.02167	467.1769	
11 Phenanthrene	178		4.536	4.537	(1.002)	180379	6.77459	450.7379	
12 Anthracene	178		4.568	4.569	(1.009)	192502	6.78717	451.5747	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/ml)	FINAL (ug/Kg)
-----	----	----	-----	-----	-----	-----	-----
13 Carbazole	167	4.706	4.702	(1.040)	169686	6.65401	442.7155
15 Fluoranthene	202	5.401	5.397	(1.194)	196556	6.41697	426.9439
16 Pyrene	202	5.567	5.562	(0.851)	191293	8.36999	556.8853
17 Benzo(a)anthracene	228	6.533	6.524	(0.999)	139680	6.99012	465.0776
19 Chrysene	228	6.555	6.551	(1.002)	140502	6.24919	415.7813
20 Benzo(b)fluoranthene	252	7.345	7.347	(0.963)	126680	5.63220	374.7302
21 Benzo(k)fluoranthene	252	7.367	7.368	(0.966)	170030	6.09352	405.4239
22 Benzo(a)pyrene	252	7.575	7.576	(0.993)	133352	5.77299	384.0978
24 Indeno(1,2,3-cd)pyrene	276	8.377	8.388	(1.098)	151835	7.84623	522.0378(M)
25 Dibenzo(a,h)anthracene	278	8.403	8.414	(1.102)	159970	8.06452	536.5615
26 Benzo(g,h,i)perylene	276	8.590	8.602	(1.126)	170406	8.18891	544.8378

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AE06017.D

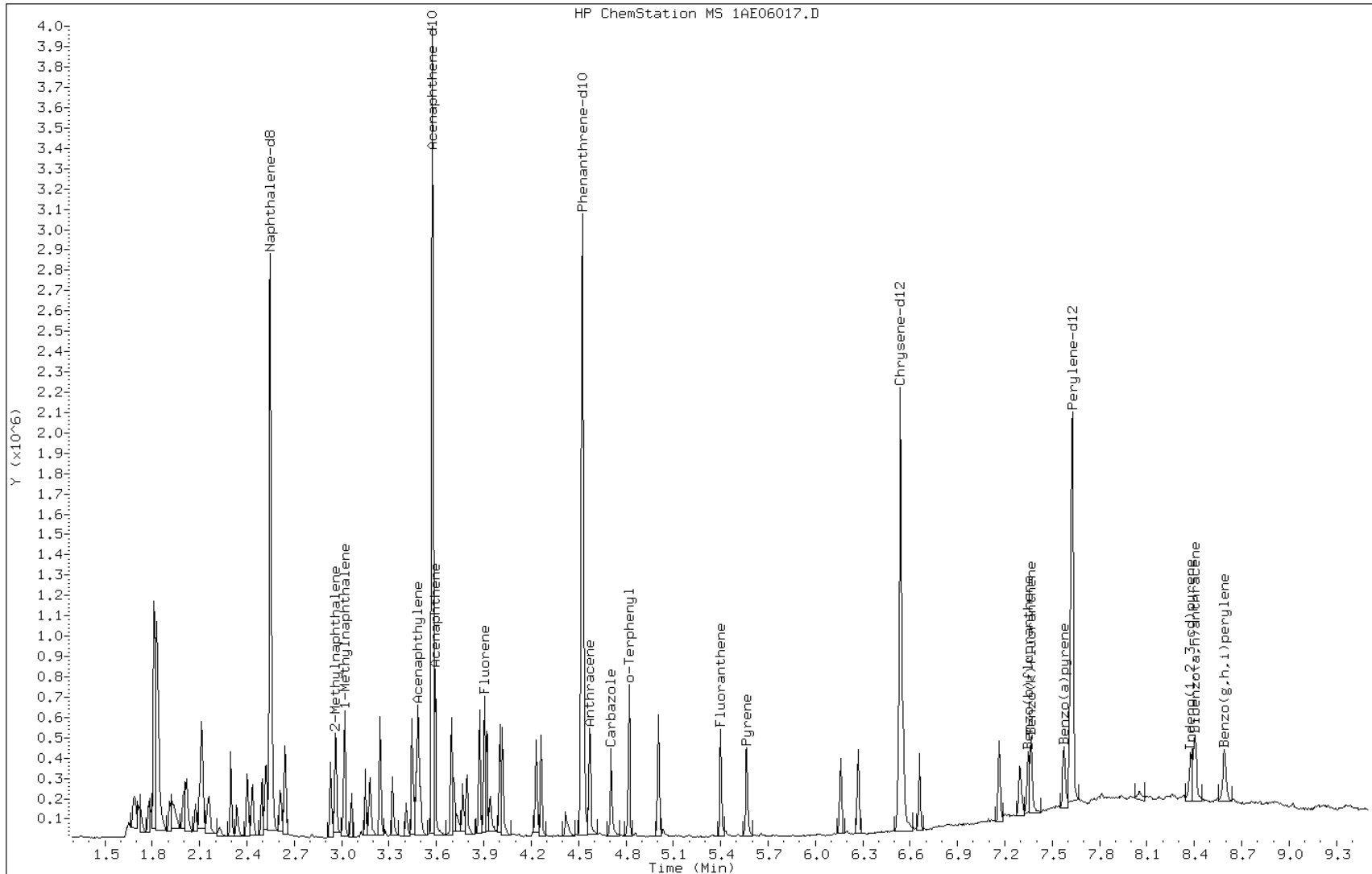
Date: 06-MAY-2013 14:52

Client ID:

Instrument: BSMA5973.i

Sample Info: LCS 660-137037/2-A

Operator: SCC

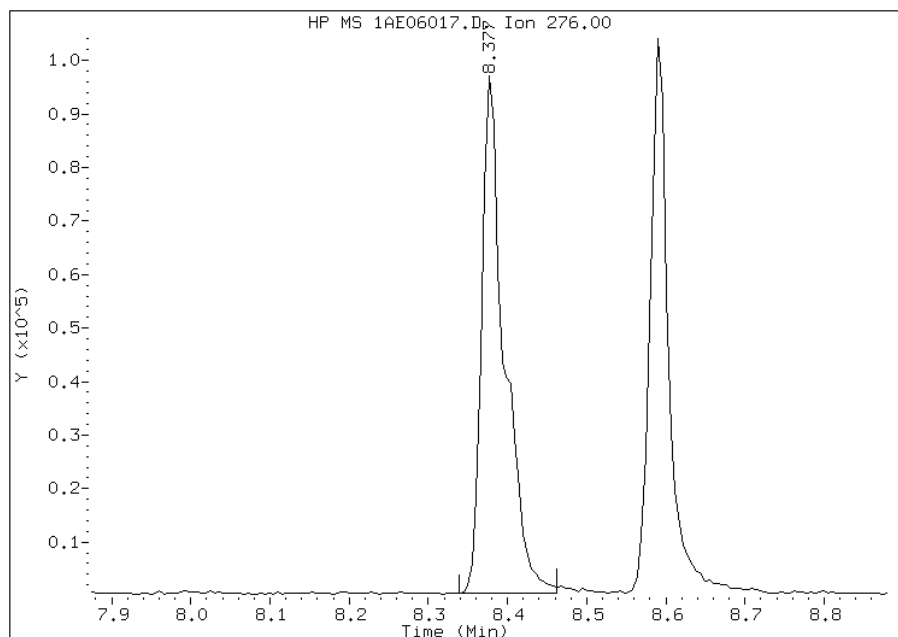


Manual Integration Report

Data File: 1AE06017.D
Inj. Date and Time: 06-MAY-2013 14:52
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

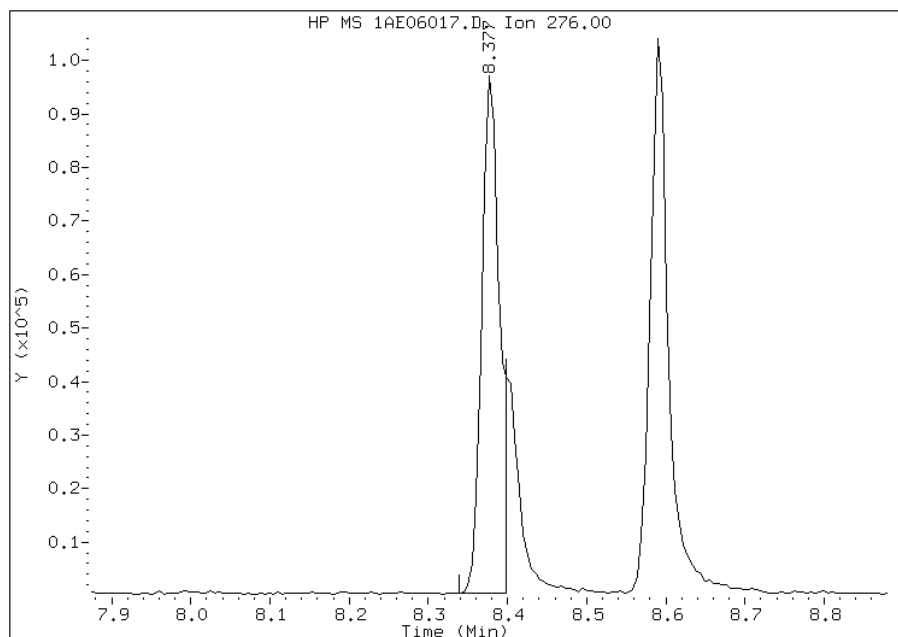
Processing Integration Results

RT: 8.38
Response: 191130
Amount: 10
Conc: 657



Manual Integration Results

RT: 8.38
Response: 151835
Amount: 8
Conc: 522



Manually Integrated By: cantins
Modification Date: 06-May-2013 15:13
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV0282B-CS-SP MS Lab Sample ID: 680-89791-41 MS
 Matrix: Solid Lab File ID: 1DE03013.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 13:25
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.98(g) Date Analyzed: 05/03/2013 14:29
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 24.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	413		130	27
208-96-8	Acenaphthylene	435		53	6.7
120-12-7	Anthracene	482		11	5.6
56-55-3	Benzo[a]anthracene	512		11	5.2
50-32-8	Benzo[a]pyrene	454		14	6.9
205-99-2	Benzo[b]fluoranthene	492		16	8.1
191-24-2	Benzo[g,h,i]perylene	522		27	5.9
207-08-9	Benzo[k]fluoranthene	587		11	4.8
218-01-9	Chrysene	540		12	6.0
53-70-3	Dibenz(a,h)anthracene	535		27	5.5
206-44-0	Fluoranthene	506		27	5.3
86-73-7	Fluorene	449		27	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	402		27	9.5
90-12-0	1-Methylnaphthalene	561		53	5.9
91-57-6	2-Methylnaphthalene	481		53	9.5
91-20-3	Naphthalene	480		53	5.9
85-01-8	Phenanthrene	457		11	5.2
129-00-0	Pyrene	479		27	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	51		30-130

TestAmerica Laboratories

Semivolatile 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03013.D
 Lab Smp Id: 680-89791-a-41-b ms
 Inj Date : 03-MAY-2013 14:29
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-41-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 14 QC Sample: MS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.980	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.002	6.004	(1.000)	1448369	40.0000	
* 6 Acenaphthene-d10	164		7.688	7.690	(1.000)	958532	40.0000	
* 9 Phenanthrene-d10	188		8.951	8.953	(1.000)	1598117	40.0000	
\$ 13 o-Terphenyl	230		9.257	9.259	(1.034)	123958	5.14788	340
* 17 Chrysene-d12	240		11.260	11.257	(1.000)	1618699	40.0000	
* 22 Perylene-d12	264		13.076	13.066	(1.000)	1612211	40.0000	
2 Naphthalene	128		6.025	6.027	(1.004)	194503	5.40287	360(M)
3 2-Methylnaphthalene	142		6.736	6.738	(1.122)	125811	5.41376	360
4 1-Methylnaphthalene	142		6.830	6.826	(1.138)	138520	6.31192	420(M)
5 Acenaphthylene	152		7.565	7.561	(0.984)	198836	4.90116	330
7 Acenaphthene	154		7.718	7.714	(1.004)	116409	4.64854	310
8 Fluorene	166		8.158	8.160	(1.061)	150016	5.05874	340
10 Phenanthrene	178		8.969	8.971	(1.002)	226678	5.14948	340
11 Anthracene	178		9.010	9.012	(1.007)	236931	5.42291	360

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.157	9.159	(1.023)	175933	4.56519	300(R)
14 Fluoranthene	202	9.956	9.958	(1.112)	258282	5.70180	380
15 Pyrene	202	10.144	10.146	(0.901)	262167	5.39334	360
16 Benzo(a)anthracene	228	11.243	11.239	(0.998)	270033	5.76996	380
18 Chrysene	228	11.284	11.280	(1.002)	266715	6.07806	400
19 Benzo(b)fluoranthene	252	12.530	12.526	(0.958)	222985	5.53678	370
20 Benzo(k)fluoranthene	252	12.565	12.567	(0.961)	280377	6.60827	440(M)
21 Benzo(a)pyrene	252	12.982	12.978	(0.993)	206801	5.11056	340
23 Indeno(1,2,3-cd)pyrene	276	14.656	14.647	(1.121)	195117	4.52203	300(M)
24 Dibenzo(a,h)anthracene	278	14.674	14.670	(1.122)	244848	6.02600	400(M)
25 Benzo(g,h,i)perylene	276	15.085	15.081	(1.154)	244104	5.87556	390(M)

QC Flag Legend

- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.

Data File: 1DE03013.D

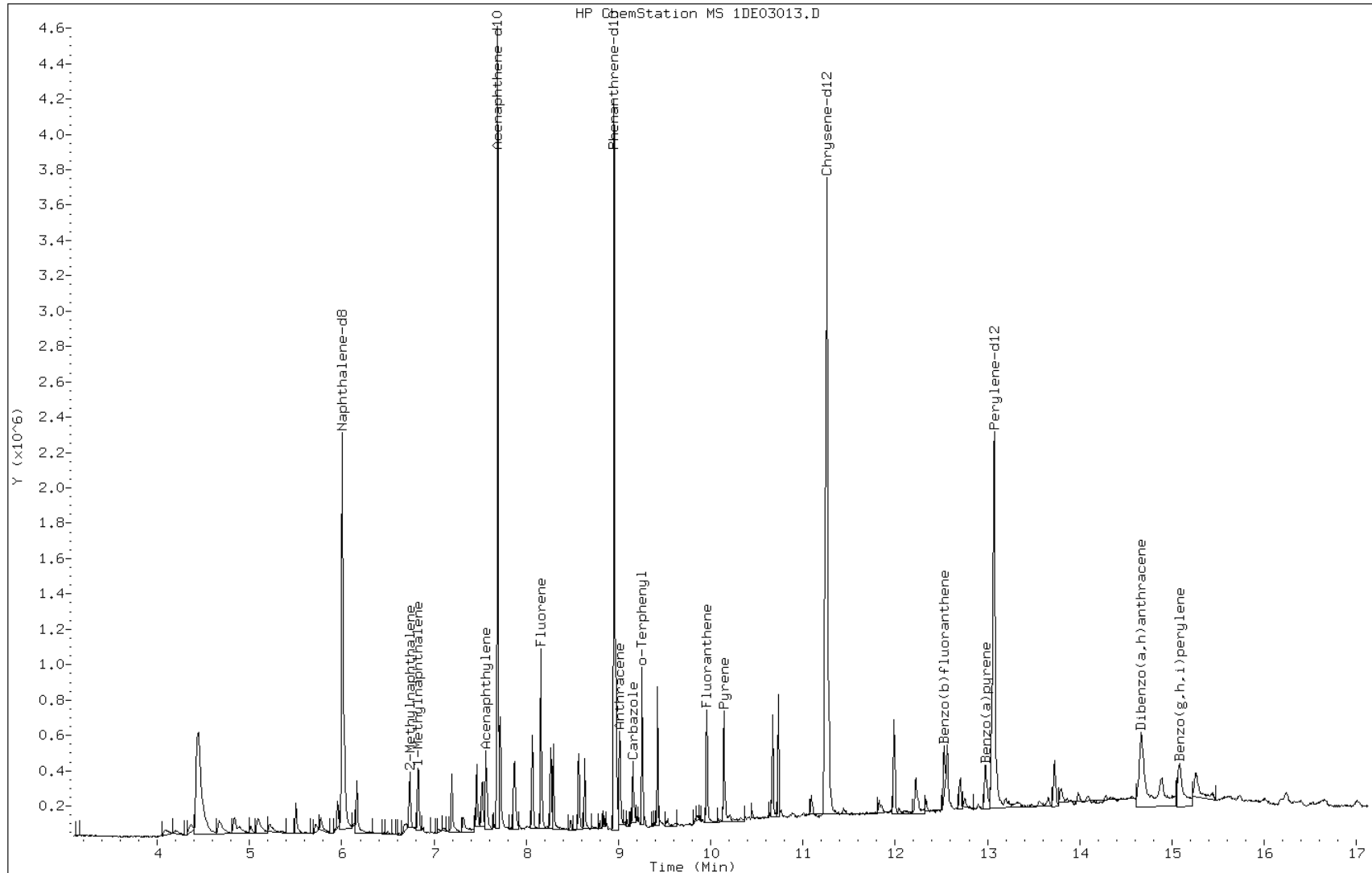
Date: 03-MAY-2013 14:29

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-b ms

Operator: SCC

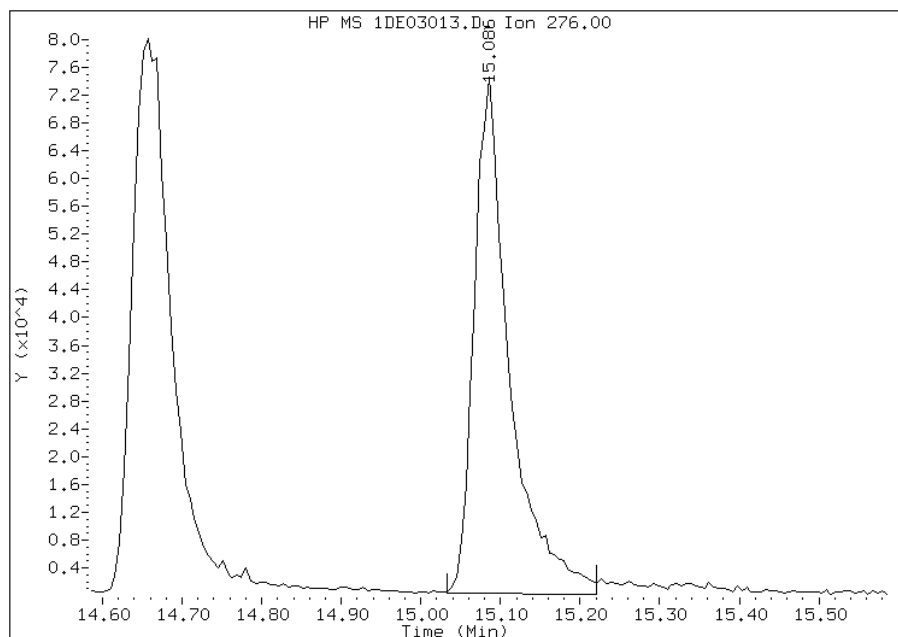


Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMDS.i
Client ID:
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

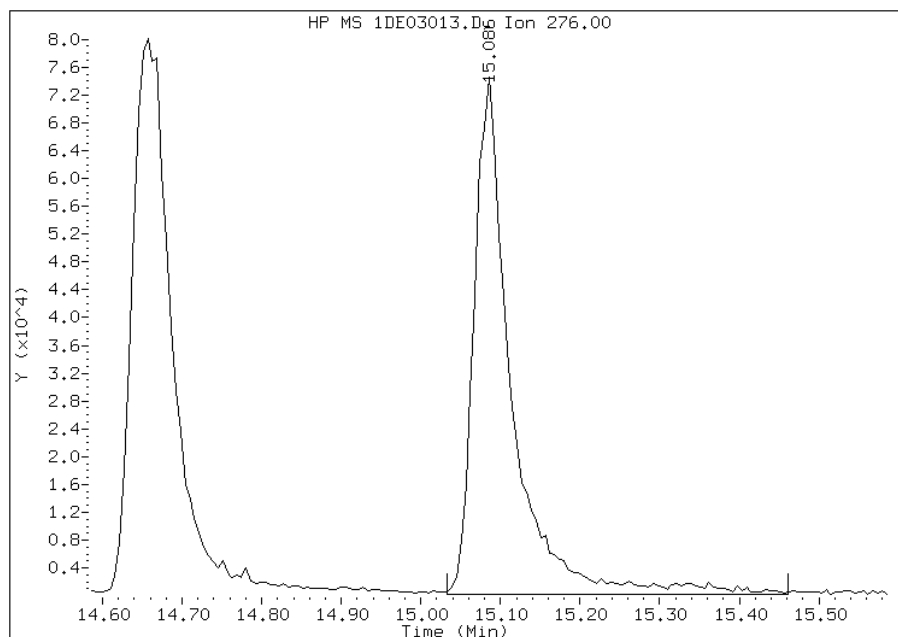
Processing Integration Results

RT: 15.09
Response: 228703
Amount: 6
Conc: 367



Manual Integration Results

RT: 15.09
Response: 244104
Amount: 6
Conc: 392



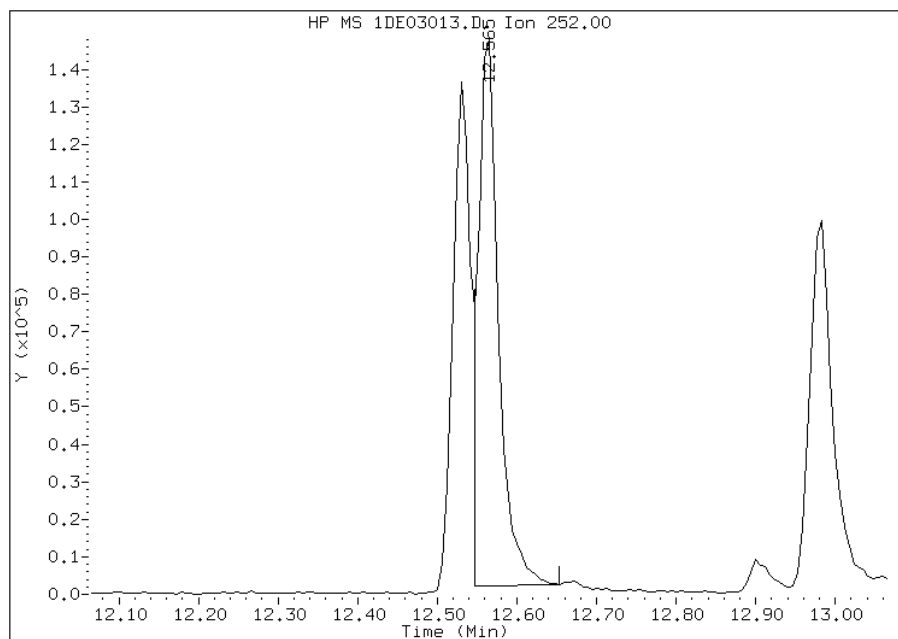
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMSSD.i
Client ID:
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

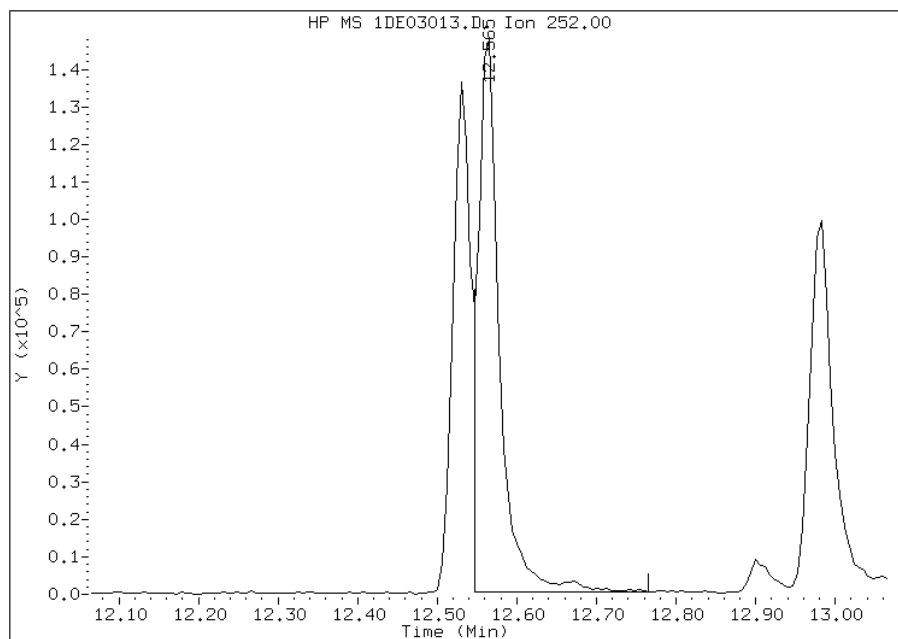
Processing Integration Results

RT: 12.57
Response: 260100
Amount: 6
Conc: 409



Manual Integration Results

RT: 12.57
Response: 280377
Amount: 7
Conc: 441



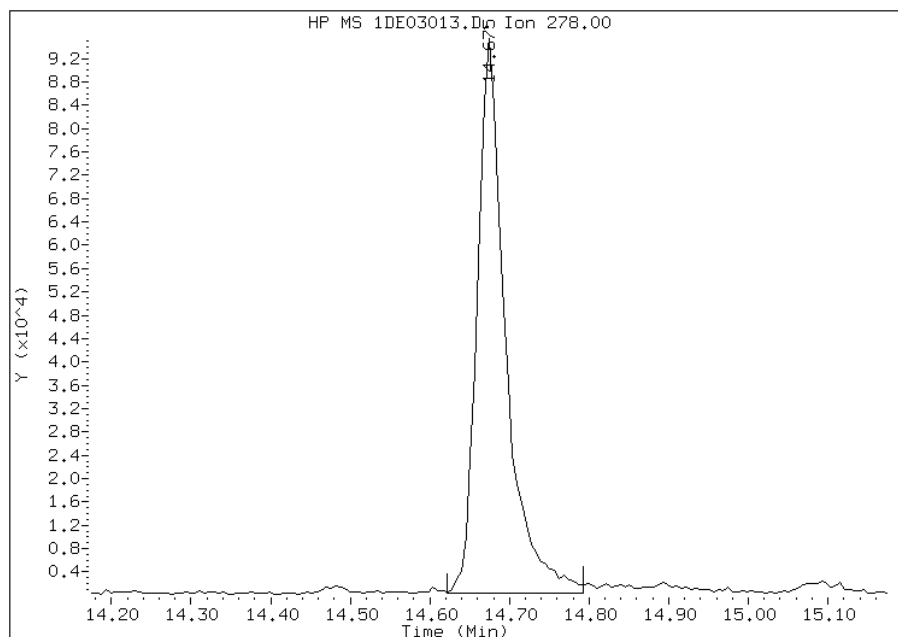
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

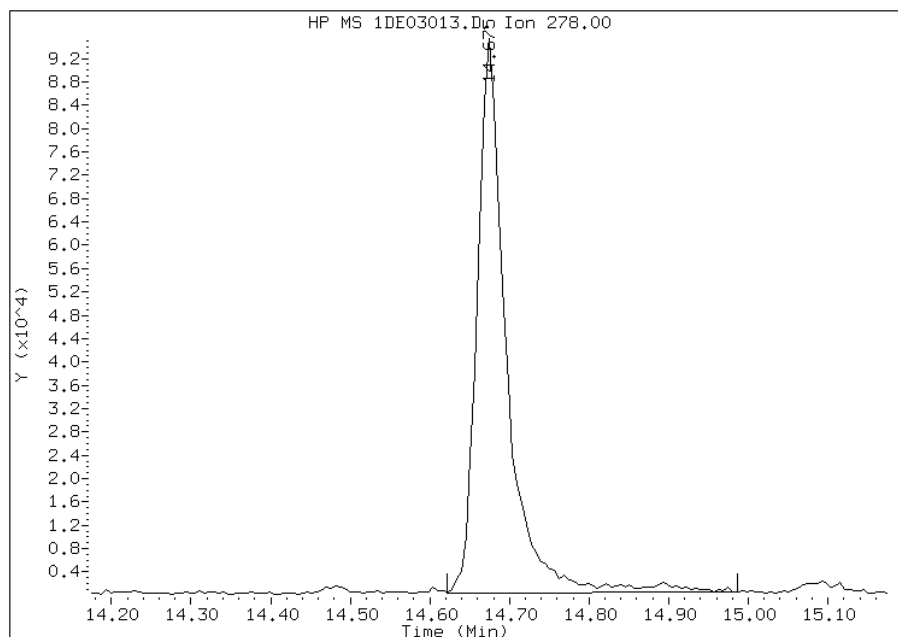
Processing Integration Results

RT: 14.67
Response: 235040
Amount: 6
Conc: 386



Manual Integration Results

RT: 14.67
Response: 244848
Amount: 6
Conc: 402



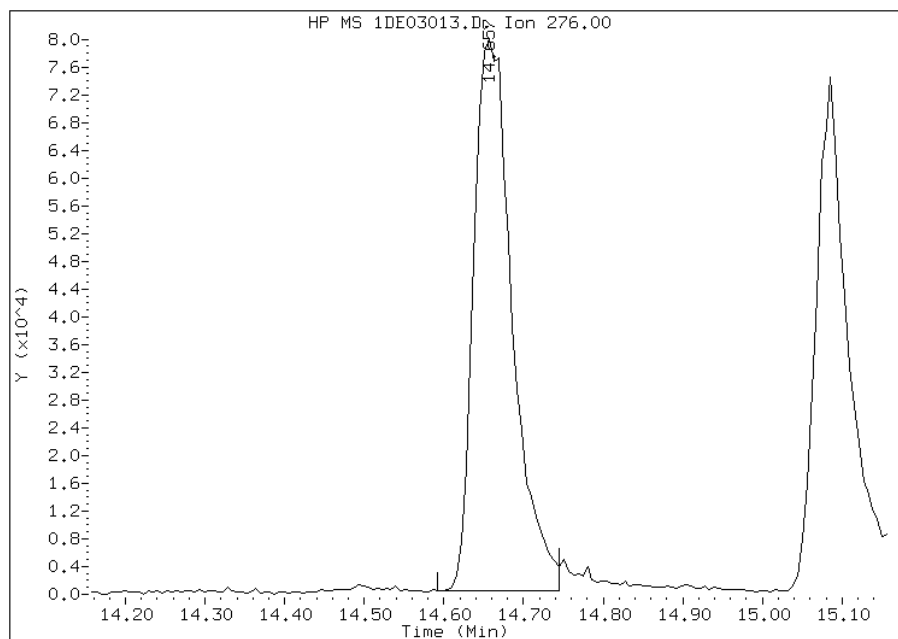
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:23
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

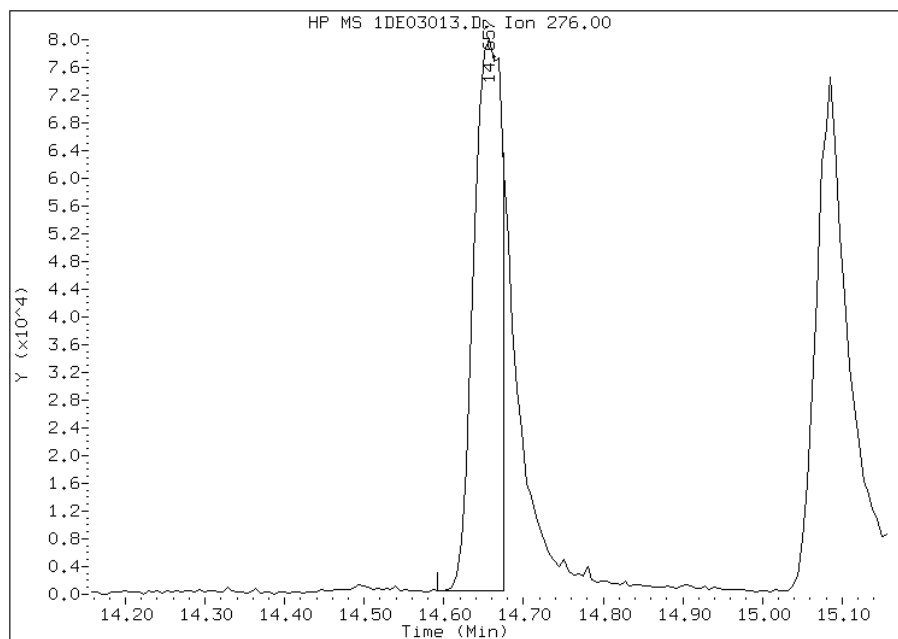
Processing Integration Results

RT: 14.66
Response: 268646
Amount: 6
Conc: 416



Manual Integration Results

RT: 14.66
Response: 195117
Amount: 5
Conc: 302



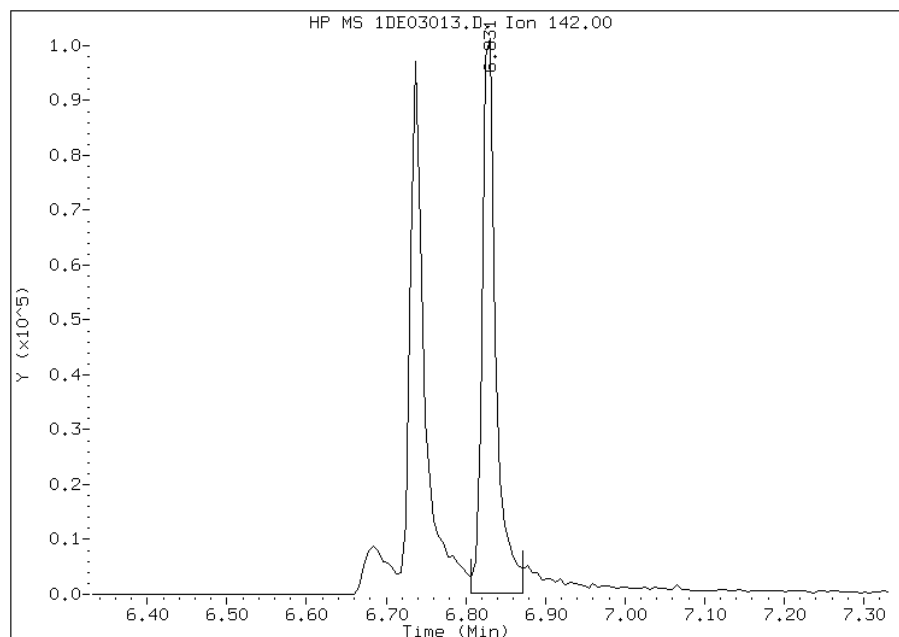
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:23
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMDS.i
Client ID:
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

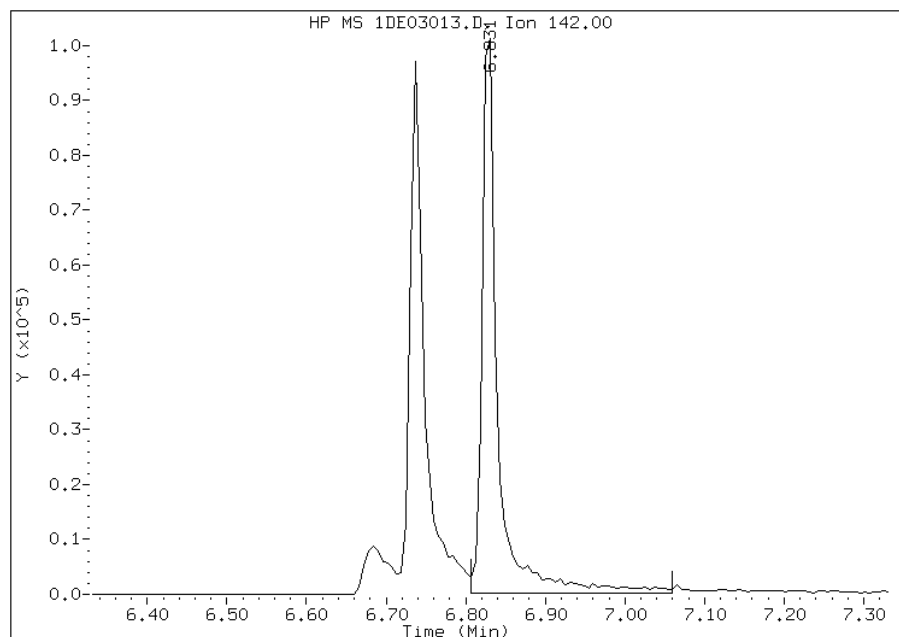
Processing Integration Results

RT: 6.83
Response: 120161
Amount: 5
Conc: 366



Manual Integration Results

RT: 6.83
Response: 138520
Amount: 6
Conc: 421



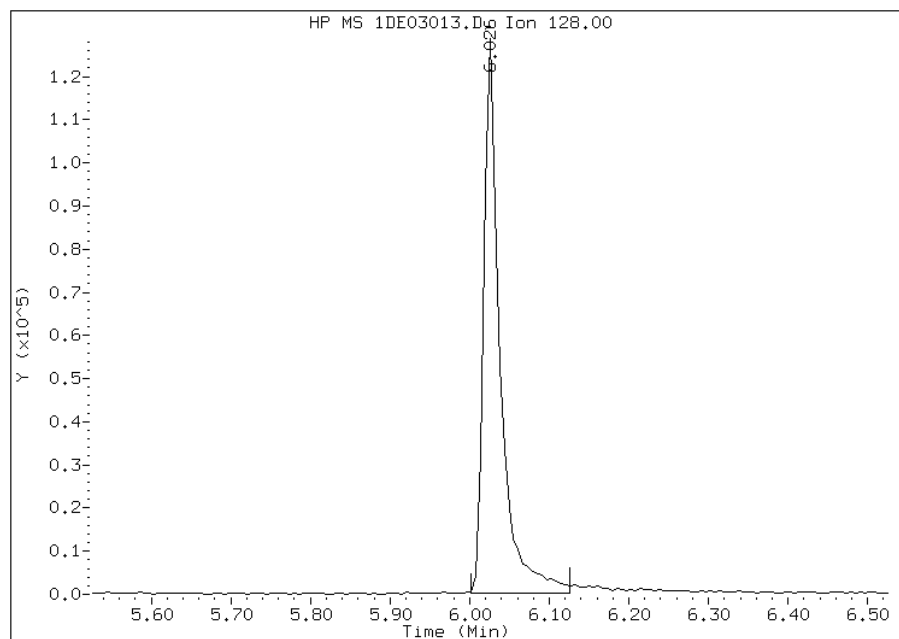
Manually Integrated By: cantins
Modification Date: 06-May-2013 14:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03013.D
Inj. Date and Time: 03-MAY-2013 14:29
Instrument ID: BSMDS.i
Client ID:
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

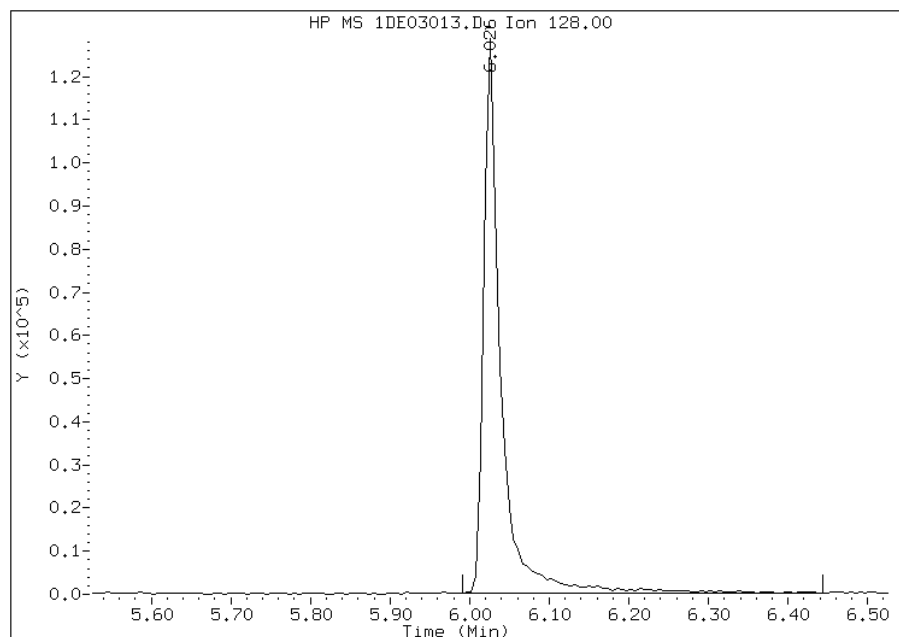
Processing Integration Results

RT: 6.03
Response: 182427
Amount: 5
Conc: 338



Manual Integration Results

RT: 6.03
Response: 194503
Amount: 5
Conc: 361



Manually Integrated By: cantins
Modification Date: 06-May-2013 14:21
Manual Integration Reason: Baseline Event

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3
 SDG No.: 68089791-3
 Client Sample ID: CV0282B-CS-SP MSD Lab Sample ID: 680-89791-41 MSD
 Matrix: Solid Lab File ID: 1DE03014.D
 Analysis Method: 8270C LL Date Collected: 04/25/2013 13:25
 Extract. Method: 3546 Date Extracted: 05/02/2013 08:14
 Sample wt/vol: 14.97(g) Date Analyzed: 05/03/2013 14:52
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 24.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 137126 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	522		130	27
208-96-8	Acenaphthylene	539		53	6.7
120-12-7	Anthracene	590		11	5.6
56-55-3	Benzo[a]anthracene	651		11	5.2
50-32-8	Benzo[a]pyrene	579		14	6.9
205-99-2	Benzo[b]fluoranthene	612		16	8.1
191-24-2	Benzo[g,h,i]perylene	636		27	5.9
207-08-9	Benzo[k]fluoranthene	767		11	4.8
218-01-9	Chrysene	678		12	6.0
53-70-3	Dibenz(a,h)anthracene	683		27	5.5
206-44-0	Fluoranthene	673		27	5.3
86-73-7	Fluorene	588		27	5.5
193-39-5	Indeno[1,2,3-cd]pyrene	483		27	9.5
90-12-0	1-Methylnaphthalene	591		53	5.9
91-57-6	2-Methylnaphthalene	571		53	9.5
91-20-3	Naphthalene	579		53	5.9
85-01-8	Phenanthrene	604		11	5.2
129-00-0	Pyrene	595		27	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	66		30-130

TestAmerica Laboratories

Semivolatiles 8270 low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\1DE03014.D
 Lab Smp Id: 680-89791-a-41-c ms
 Inj Date : 03-MAY-2013 14:52
 Operator : SCC Inst ID: BSMSD.i
 Smp Info : 680-89791-a-41-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMSD.i\1D050313.b\dFASTPAHi.m
 Meth Date : 03-May-2013 10:55 cantins Quant Type: ISTD
 Cal Date : 04-APR-2013 16:04 Cal File: 1DD04013.D
 Als bottle: 15 QC Sample: MSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: pah.sub
 Target Version: 4.14
 Processing Host: TAM1000

Concentration Formula:

$$\text{Amt} * \text{DF} * 1/\text{Vi} * \text{Vt}/\text{Ws} * 100/(100 - \text{M}) * \text{A} * \text{B} * \text{C} * \text{D} * \text{GPC} * \text{CpndVariable}$$

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.970	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv)
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/l)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136		6.002	6.004	(1.000)	1403708	40.0000	
* 6 Acenaphthene-d10	164		7.688	7.690	(1.000)	911374	40.0000	
* 9 Phenanthrene-d10	188		8.951	8.953	(1.000)	1478931	40.0000	
\$ 13 o-Terphenyl	230		9.257	9.259	(1.034)	147269	6.60885	440
* 17 Chrysene-d12	240		11.260	11.257	(1.000)	1553244	40.0000	
* 22 Perylene-d12	264		13.070	13.066	(1.000)	1599186	40.0000	
2 Naphthalene	128		6.025	6.027	(1.004)	227249	6.51332	440(M)
3 2-Methylnaphthalene	142		6.736	6.738	(1.122)	144688	6.42415	430
4 1-Methylnaphthalene	142		6.830	6.826	(1.138)	141516	6.65360	440(M)
5 Acenaphthylene	152		7.559	7.561	(0.983)	233962	6.06539	400
7 Acenaphthene	154		7.718	7.714	(1.004)	139958	5.87811	390
8 Fluorene	166		8.158	8.160	(1.061)	186480	6.61374	440
10 Phenanthrene	178		8.969	8.971	(1.002)	276784	6.79447	450
11 Anthracene	178		9.010	9.012	(1.007)	268529	6.64144	440

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/l)	FINAL (ug/Kg)
12 Carbazole	167	9.157	9.159	(1.023)	207794	5.82646	390
14 Fluoranthene	202	9.956	9.958	(1.112)	317239	7.56772	500
15 Pyrene	202	10.144	10.146	(0.901)	312195	6.69317	450
16 Benzo(a)anthracene	228	11.243	11.239	(0.998)	329058	7.32748	490
18 Chrysene	228	11.284	11.280	(1.002)	321485	7.63492	510
19 Benzo(b)fluoranthene	252	12.530	12.526	(0.959)	275276	6.89085	460
20 Benzo(k)fluoranthene	252	12.565	12.567	(0.961)	363161	8.62914	580(M)
21 Benzo(a)pyrene	252	12.982	12.978	(0.993)	261302	6.51001	430
23 Indeno(1,2,3-cd)pyrene	276	14.662	14.647	(1.122)	232641	5.43560	360(M)
24 Dibenzo(a,h)anthracene	278	14.674	14.670	(1.123)	309684	7.68377	510(M)
25 Benzo(g,h,i)perylene	276	15.085	15.081	(1.154)	294959	7.15746	480(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: 1DE03014.D

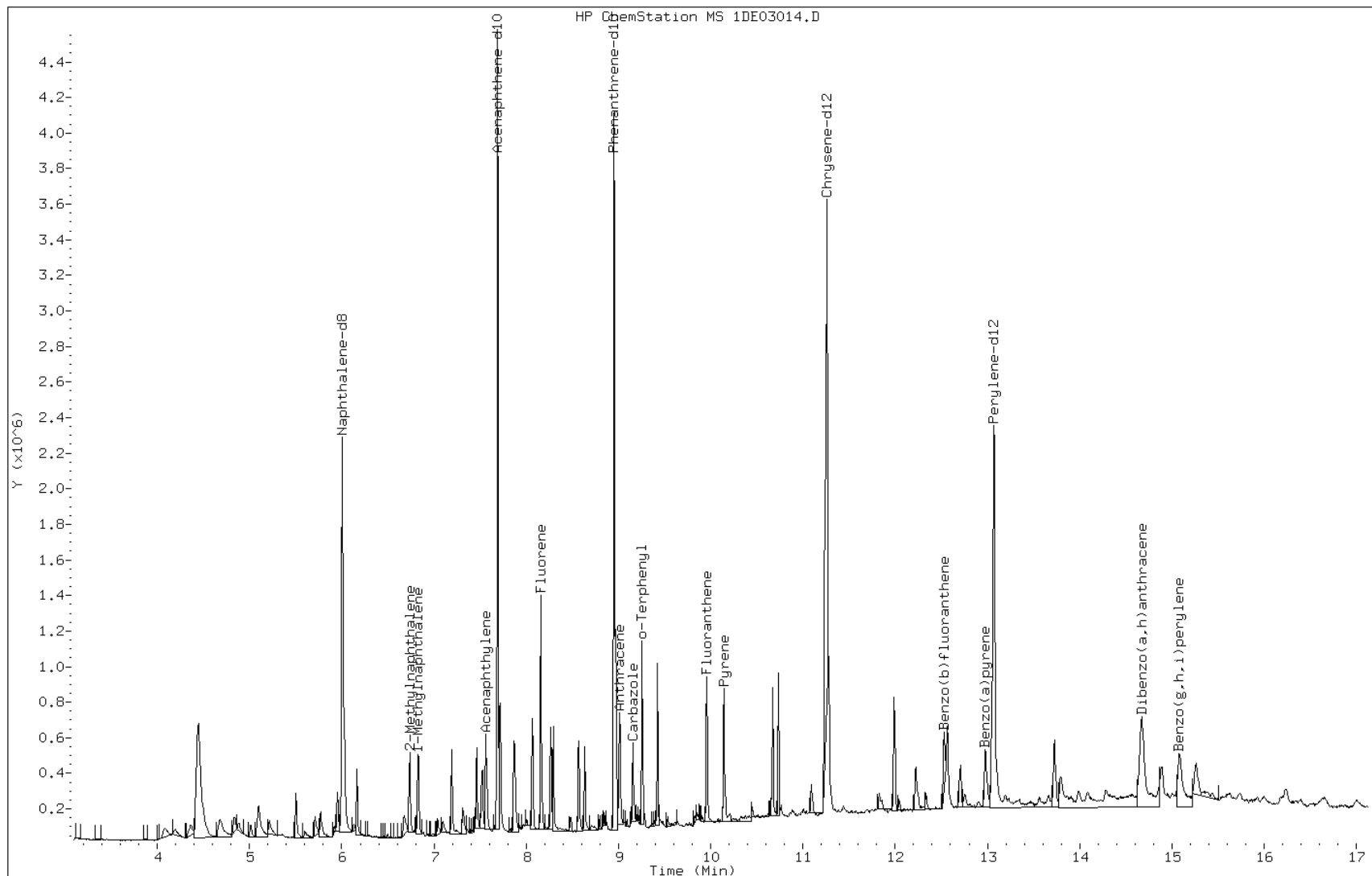
Date: 03-MAY-2013 14:52

Client ID:

Instrument: BSMSD.i

Sample Info: 680-89791-a-41-c msd

Operator: SCC

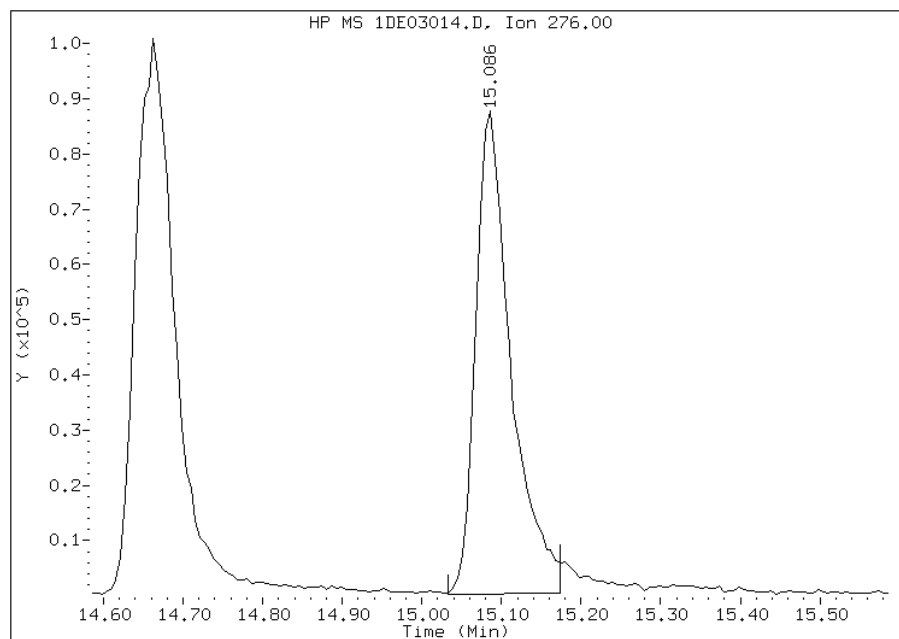


Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMDS.i
Client ID:
Compound: 25 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 05/06/2013

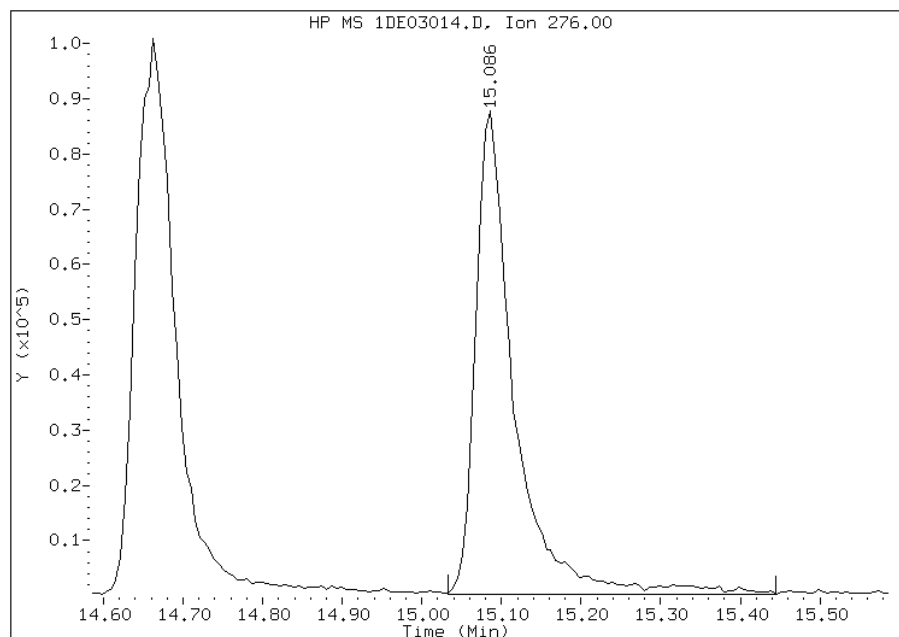
Processing Integration Results

RT: 15.09
Response: 268875
Amount: 7
Conc: 436



Manual Integration Results

RT: 15.09
Response: 294959
Amount: 7
Conc: 478



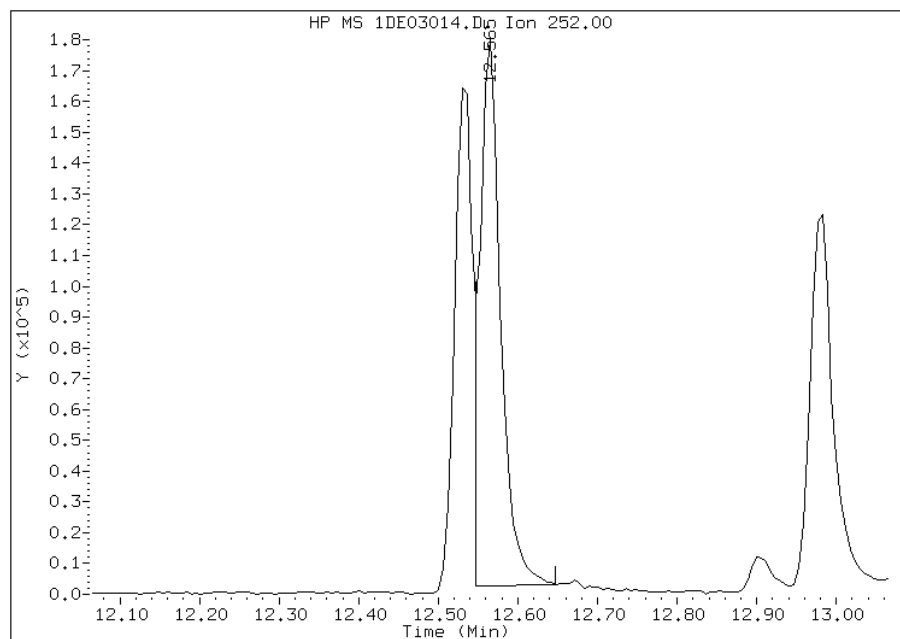
Manually Integrated By: cantins
Modification Date: 06-May-2013 15:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMSD.i
Client ID:
Compound: 20 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 05/06/2013

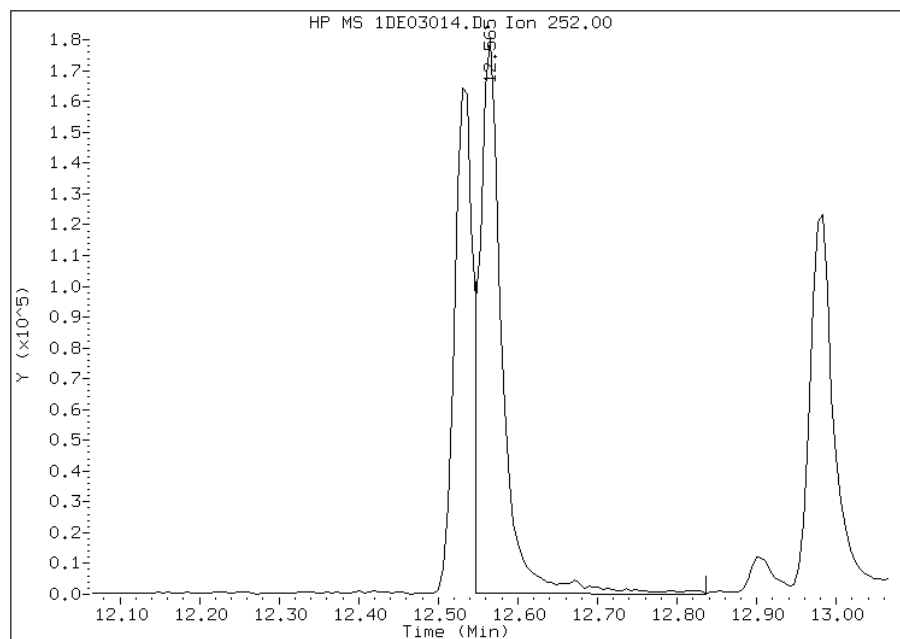
Processing Integration Results

RT: 12.57
Response: 327011
Amount: 8
Conc: 519



Manual Integration Results

RT: 12.57
Response: 363161
Amount: 9
Conc: 576



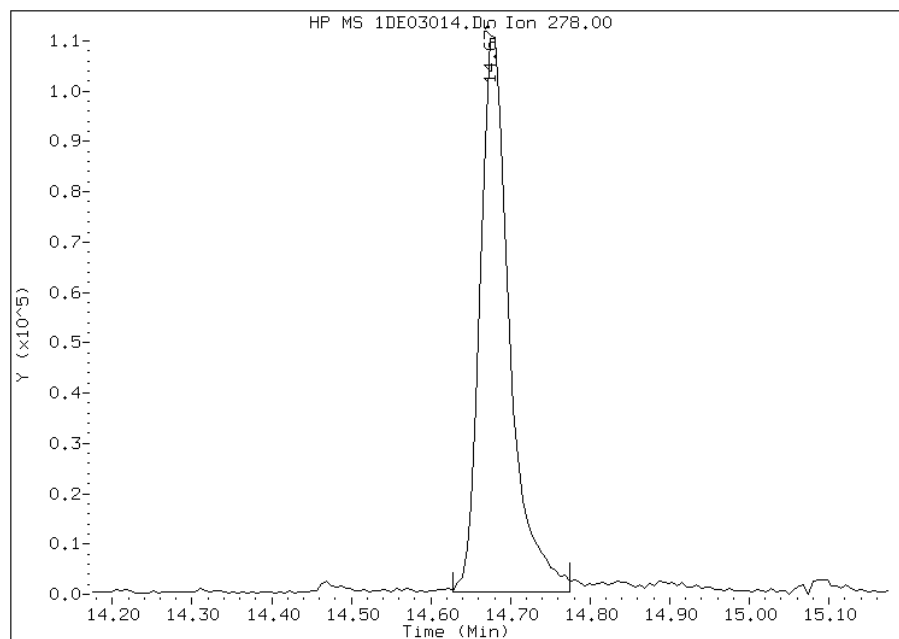
Manually Integrated By: cantins
Modification Date: 06-May-2013 15:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMSD.i
Client ID:
Compound: 24 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 05/06/2013

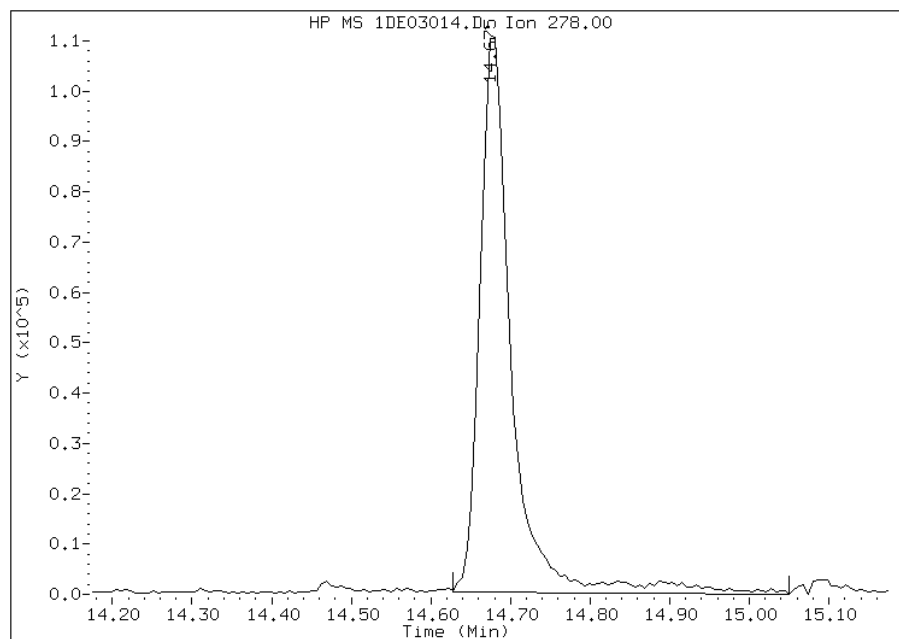
Processing Integration Results

RT: 14.67
Response: 285036
Amount: 7
Conc: 472



Manual Integration Results

RT: 14.67
Response: 309684
Amount: 8
Conc: 513



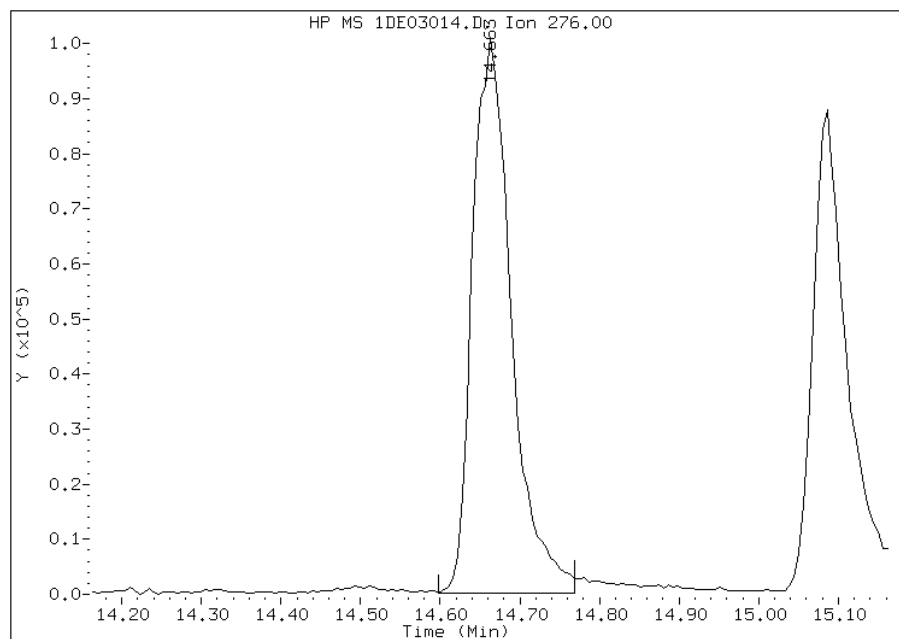
Manually Integrated By: cantins
Modification Date: 06-May-2013 15:45
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMSSD.i
Client ID:
Compound: 23 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 05/06/2013

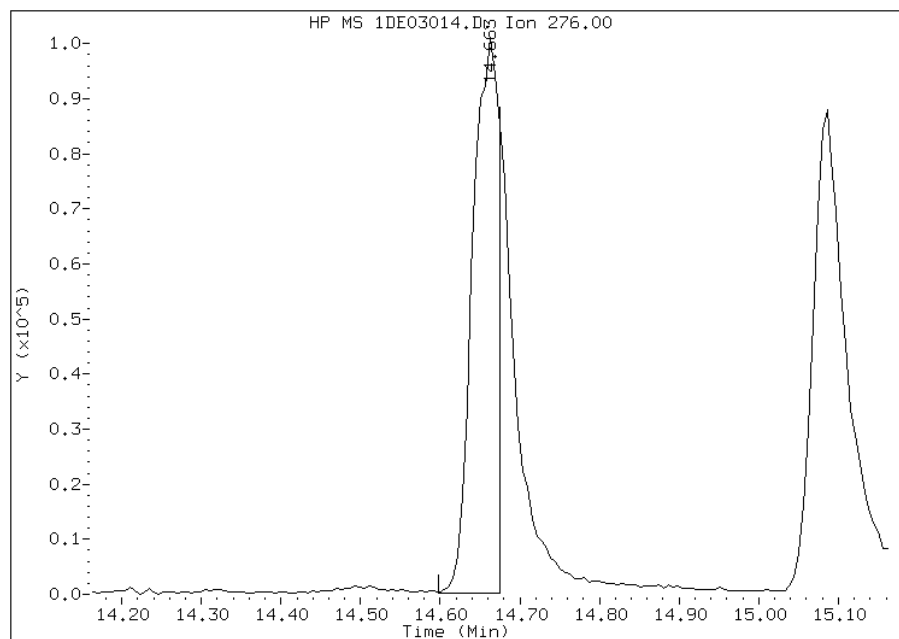
Processing Integration Results

RT: 14.66
Response: 343118
Amount: 8
Conc: 536



Manual Integration Results

RT: 14.66
Response: 232641
Amount: 5
Conc: 363



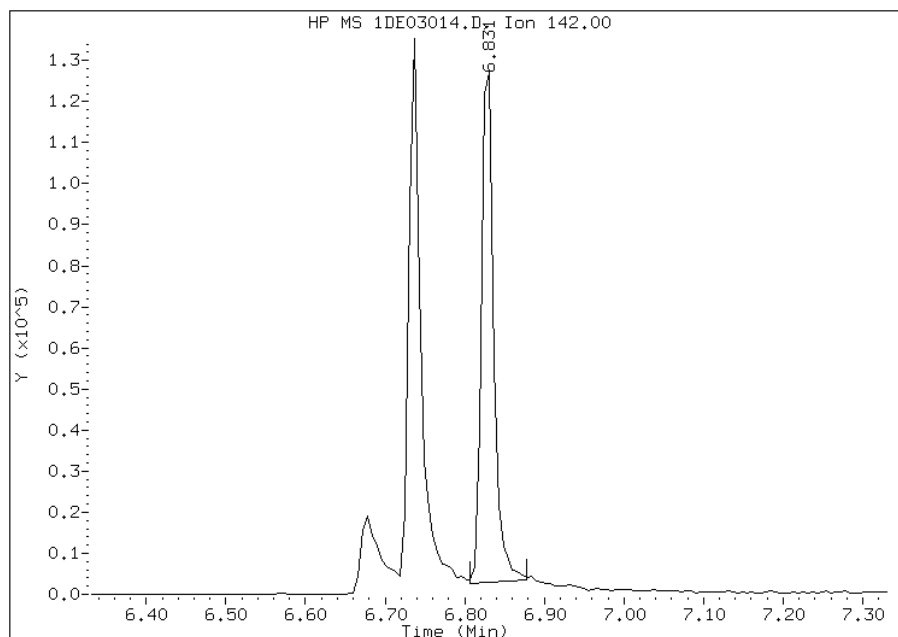
Manually Integrated By: cantins
Modification Date: 06-May-2013 15:45
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMDS.i
Client ID:
Compound: 4 1-Methylnaphthalene
CAS #: 90-12-0
Report Date: 05/06/2013

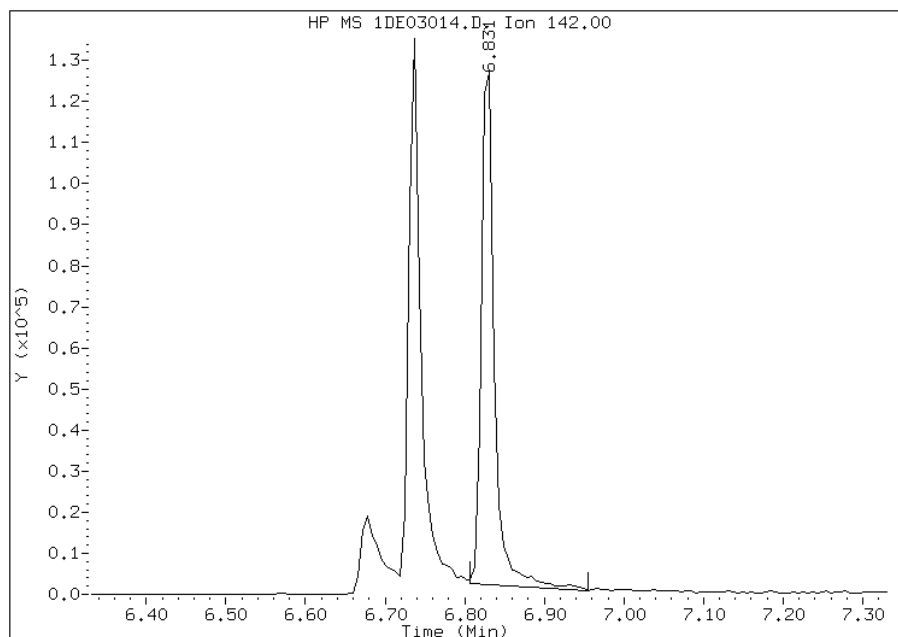
Processing Integration Results

RT: 6.83
Response: 132688
Amount: 6
Conc: 417



Manual Integration Results

RT: 6.83
Response: 141516
Amount: 7
Conc: 444



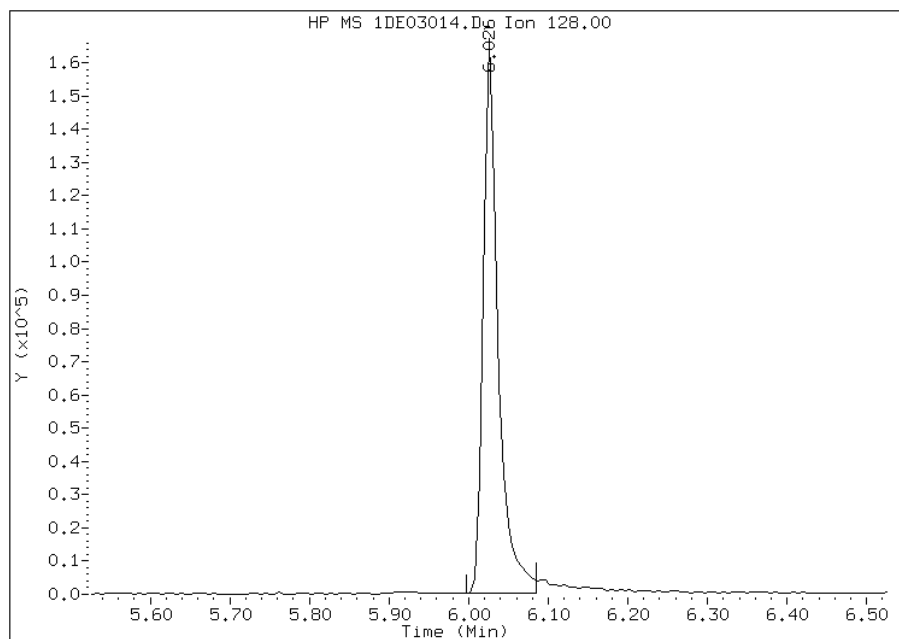
Manually Integrated By: cantins
Modification Date: 06-May-2013 15:44
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1DE03014.D
Inj. Date and Time: 03-MAY-2013 14:52
Instrument ID: BSMDS.i
Client ID:
Compound: 2 Naphthalene
CAS #: 91-20-3
Report Date: 05/06/2013

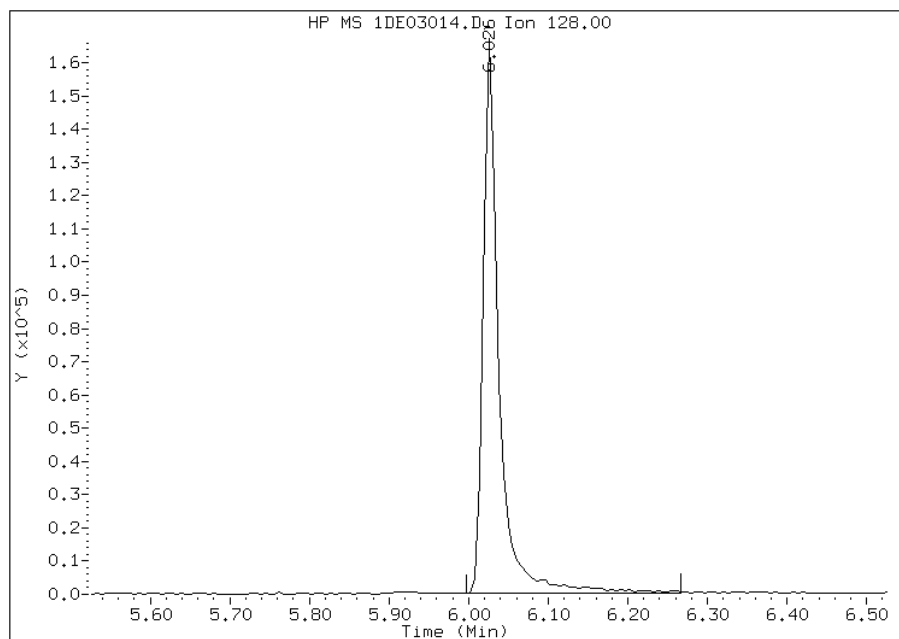
Processing Integration Results

RT: 6.03
Response: 213413
Amount: 6
Conc: 409



Manual Integration Results

RT: 6.03
Response: 227249
Amount: 7
Conc: 435



Manually Integrated By: cantins
Modification Date: 06-May-2013 14:24
Manual Integration Reason: Baseline Event

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMA5973Start Date: 04/26/2013 09:20Analysis Batch Number: 136892End Date: 04/26/2013 19:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/26/2013 09:20	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 09:35	1		DB-5MS 250 (um)
DFTPP 660-136892/2		04/26/2013 09:50	1	1AD26002.D	DB-5MS 250 (um)
IC 660-136892/3		04/26/2013 10:03	1	1AD26003.D	DB-5MS 250 (um)
IC 660-136892/4		04/26/2013 10:18	1	1AD26004.D	DB-5MS 250 (um)
IC 660-136892/5		04/26/2013 10:33	1	1AD26005.D	DB-5MS 250 (um)
IC 660-136892/6		04/26/2013 10:48	1	1AD26006.D	DB-5MS 250 (um)
ICIS 660-136892/7		04/26/2013 11:03	1	1AD26007.D	DB-5MS 250 (um)
IC 660-136892/8		04/26/2013 11:19	1	1AD26008.D	DB-5MS 250 (um)
IC 660-136892/9		04/26/2013 11:34	1	1AD26009.D	DB-5MS 250 (um)
ICV 660-136892/10		04/26/2013 11:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 13:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 14:04	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 14:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 14:34	4		DB-5MS 250 (um)
ZZZZZ		04/26/2013 14:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 15:04	4		DB-5MS 250 (um)
ZZZZZ		04/26/2013 15:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 15:34	4		DB-5MS 250 (um)
ZZZZZ		04/26/2013 15:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 16:04	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 16:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 16:34	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 16:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 17:04	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 17:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 17:34	4		DB-5MS 250 (um)
ZZZZZ		04/26/2013 17:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 18:04	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 18:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 18:34	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 18:49	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 19:04	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 19:19	1		DB-5MS 250 (um)
ZZZZZ		04/26/2013 19:35	4		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMA5973 Start Date: 05/06/2013 09:41Analysis Batch Number: 137156 End Date: 05/06/2013 21:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/06/2013 09:41	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 09:56	1		DB-5MS 250 (um)
DFTPP 660-137156/2		05/06/2013 10:11	1	1AE06002.D	DB-5MS 250 (um)
ICIS 660-137156/3		05/06/2013 10:24	1	1AE06003.D	DB-5MS 250 (um)
IC 660-137156/4		05/06/2013 10:40	1	1AE06004.D	DB-5MS 250 (um)
IC 660-137156/5		05/06/2013 10:56	1	1AE06005.D	DB-5MS 250 (um)
IC 660-137156/6		05/06/2013 11:11	1	1AE06006.D	DB-5MS 250 (um)
IC 660-137156/7		05/06/2013 11:26	1	1AE06007.D	DB-5MS 250 (um)
IC 660-137156/8		05/06/2013 11:41	1	1AE06008.D	DB-5MS 250 (um)
IC 660-137156/9		05/06/2013 11:56	1	1AE06009.D	DB-5MS 250 (um)
ICV 660-137156/10		05/06/2013 12:11	1	1AE06010.D	DB-5MS 250 (um)
LCS 660-137037/2-A		05/06/2013 14:52	1	1AE06017.D	DB-5MS 250 (um)
ZZZZZ		05/06/2013 15:08	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 15:24	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 15:39	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 15:54	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 16:09	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 16:25	4		DB-5MS 250 (um)
ZZZZZ		05/06/2013 16:41	20		DB-5MS 250 (um)
ZZZZZ		05/06/2013 16:56	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 17:11	1		DB-5MS 250 (um)
ZZZZZ		05/06/2013 21:43	1		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973 Start Date: 04/04/2013 11:04Analysis Batch Number: 136164 End Date: 04/04/2013 20:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/04/2013 11:04	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 11:30	1		DB-5MS 250 (um)
DFTPP 660-136164/2		04/04/2013 11:55	1		DB-5MS 250 (um)
DFTPP 660-136164/3		04/04/2013 12:15	1	1DD04003.D	DB-5MS 250 (um)
CCVIS 660-136164/4		04/04/2013 12:34	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 13:02	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 13:26	1		DB-5MS 250 (um)
IC 660-136164/15		04/04/2013 13:49	1	1DD04007.D	DB-5MS 250 (um)
IC 660-136164/16		04/04/2013 14:11	1	1DD04008.D	DB-5MS 250 (um)
IC 660-136164/17		04/04/2013 14:34	1	1DD04009.D	DB-5MS 250 (um)
IC 660-136164/18		04/04/2013 14:57	1	1DD04010.D	DB-5MS 250 (um)
ICIS 660-136164/19		04/04/2013 15:19	1	1DD04011.D	DB-5MS 250 (um)
IC 660-136164/20		04/04/2013 15:42	1	1DD04012.D	DB-5MS 250 (um)
IC 660-136164/21		04/04/2013 16:04	1	1DD04013.D	DB-5MS 250 (um)
ICV 660-136164/22		04/04/2013 16:27	1	1DD04014.D	DB-5MS 250 (um)
ZZZZZ		04/04/2013 16:52	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:18	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 17:44	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:09	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 18:35	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:01	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:27	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 19:51	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:13	1		DB-5MS 250 (um)
ZZZZZ		04/04/2013 20:36	1		DB-5MS 250 (um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-89791-3SDG No.: 68089791-3Instrument ID: BSMD5973Start Date: 05/03/2013 09:23Analysis Batch Number: 137126End Date: 05/03/2013 20:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/03/2013 09:23	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 09:52	1		DB-5MS 250 (um)
DFTPP 660-137126/2		05/03/2013 10:16	1	1DE03002.D	DB-5MS 250 (um)
CCVIS 660-137126/3		05/03/2013 10:32	1	1DE03003.D	DB-5MS 250 (um)
ZZZZZ		05/03/2013 10:55	1		DB-5MS 250 (um)
MB 660-137037/1-A		05/03/2013 11:28	1	1DE03005.D	DB-5MS 250 (um)
ZZZZZ		05/03/2013 11:51	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 12:13	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 12:36	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 12:59	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 13:21	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 13:44	1		DB-5MS 250 (um)
680-89791-41	CV0282B-CS-SP	05/03/2013 14:06	1	1DE03012.D	DB-5MS 250 (um)
680-89791-41 MS	CV0282B-CS-SP MS	05/03/2013 14:29	1	1DE03013.D	DB-5MS 250 (um)
680-89791-41 MSD	CV0282B-CS-SP MSD	05/03/2013 14:52	1	1DE03014.D	DB-5MS 250 (um)
ZZZZZ		05/03/2013 15:14	1		DB-5MS 250 (um)
ZZZZZ		05/03/2013 15:37	1		DB-5MS 250 (um)
680-89791-44	FM0023C-CS-SP	05/03/2013 15:59	1	1DE03017.D	DB-5MS 250 (um)
680-89791-45	FM0245A-CS-SP	05/03/2013 16:22	1	1DE03018.D	DB-5MS 250 (um)
680-89791-46	FM0245B-CS-SP	05/03/2013 16:45	1	1DE03019.D	DB-5MS 250 (um)
680-89791-47	FM0245C-CS-SP	05/03/2013 17:07	1	1DE03020.D	DB-5MS 250 (um)
680-89791-48	CV1142A-CS	05/03/2013 17:30	1	1DE03021.D	DB-5MS 250 (um)
680-89791-49	CV1142A-CSD	05/03/2013 17:52	1	1DE03022.D	DB-5MS 250 (um)
680-89791-50	CV1142B-CS	05/03/2013 18:15	1	1DE03023.D	DB-5MS 250 (um)
680-89791-51	CV1143A-CS	05/03/2013 18:37	1	1DE03024.D	DB-5MS 250 (um)
680-89791-52	CV1143B-CS	05/03/2013 19:00	1	1DE03025.D	DB-5MS 250 (um)
680-89791-53	CV1145A-CS	05/03/2013 19:22	1	1DE03026.D	DB-5MS 250 (um)
680-89791-54	CV1145B-CS	05/03/2013 19:45	1	1DE03027.D	DB-5MS 250 (um)
ZZZZZ		05/03/2013 20:08	4		DB-5MS 250 (um)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3SDG No.: 68089791-3Batch Number: 137037 Batch Start Date: 05/02/13 08:14 Batch Analyst: Nolan, RyanBatch Method: 3546 Batch End Date: 05/02/13 15:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00021	EXLLSURINT 00181		
MB 660-137037/1		3546, 8270C LL		15.00 g	1 mL		1 mL		
LCS 660-137037/2		3546, 8270C LL		15.03 g	1 mL	1 mL	1 mL		
680-89791-A-41	CV0282B-CS-SP	3546, 8270C LL	T	14.93 g	1 mL		1 mL		
680-89791-A-41 MS	CV0282B-CS-SP	3546, 8270C LL	T	14.98 g	1 mL	1 mL	1 mL		
680-89791-A-41 MSD	CV0282B-CS-SP	3546, 8270C LL	T	14.97 g	1 mL	1 mL	1 mL		
680-89791-A-44	FM0023C-CS-SP	3546, 8270C LL	T	14.98 g	1 mL		1 mL		
680-89791-A-45	FM0245A-CS-SP	3546, 8270C LL	T	15.03 g	1 mL		1 mL		
680-89791-A-46	FM0245B-CS-SP	3546, 8270C LL	T	14.97 g	1 mL		1 mL		
680-89791-A-47	FM0245C-CS-SP	3546, 8270C LL	T	14.92 g	1 mL		1 mL		
680-89791-A-48	CV1142A-CS	3546, 8270C LL	T	15 g	1 mL		1 mL		
680-89791-A-49	CV1142A-CSD	3546, 8270C LL	T	14.97 g	1 mL		1 mL		
680-89791-B-50	CV1142B-CS	3546, 8270C LL	T	15 g	1 mL		1 mL		
680-89791-A-51	CV1143A-CS	3546, 8270C LL	T	15.03 g	1 mL		1 mL		
680-89791-A-52	CV1143B-CS	3546, 8270C LL	T	15 g	1 mL		1 mL		
680-89791-A-53	CV1145A-CS	3546, 8270C LL	T	15.03 g	1 mL		1 mL		
680-89791-A-54	CV1145B-CS	3546, 8270C LL	T	14.93 g	1 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270C LL

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Batch Number: 137037 Batch Start Date: 05/02/13 08:14 Batch Analyst: Nolan, Ryan

Batch Method: 3546 Batch End Date: 05/02/13 15:15

Batch Notes	
Acetone Lot #	ID:ACETON BOT_00052
Balance ID	b001
Batch Comment	none
Person's name who did the concentration	Ryan Nolan
Exchange Solvent Lot #	ex-mc cycl56
Exchange Solvent Name	dcm
Final Concentrator Volume	1ml mL
MeCL2 Lot #	ID:EX-MC CYcl_00056
MeCl2/Acetone Lot #	ID:DCM/ACETON_00076
Microwave Start Time	11:25 5/2/13
Microwave Stop Time	12:00 5/2/13
Na2SO4 Lot Number	ID:EX-NaSO4-00066
Ottawa Sand Lot #	ID: ottawa Sand_00017(1544031)
Person's name who did the prep	Ryan Nolan
SOP Number	TPEX14
Person who witnessed spiking	Saurel Cerome
Surrogate Lot Number	ID:EXLLSURINT_00181(154671)
Water Bath ID	1-4
Water Bath Temperature	40

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa

Job Number: 680-89791-3

SDG No.: 68089791-3

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV0282B-CS-SP</u>	<u>680-89791-41</u>
<u>FM0023C-CS-SP</u>	<u>680-89791-44</u>
<u>FM0245A-CS-SP</u>	<u>680-89791-45</u>
<u>FM0245B-CS-SP</u>	<u>680-89791-46</u>
<u>FM0245C-CS-SP</u>	<u>680-89791-47</u>
<u>CV1142A-CS</u>	<u>680-89791-48</u>
<u>CV1142A-CSD</u>	<u>680-89791-49</u>
<u>CV1142B-CS</u>	<u>680-89791-50</u>
<u>CV1143A-CS</u>	<u>680-89791-51</u>
<u>CV1143B-CS</u>	<u>680-89791-52</u>
<u>CV1145A-CS</u>	<u>680-89791-53</u>
<u>CV1145B-CS</u>	<u>680-89791-54</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa

Job Number: 680-89791-3

SDG Number: 68089791-3

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 01/01/2004 18:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-89791-3
SDG Number: 68089791-3
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 04/12/2010 08:14

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/30/2013 06:31 End Date: 04/30/2013 06:31

Lab Sample ID	D / F	Type	Time	Analytes																	
				M	o	i	s	t													
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
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ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
680-89791-54	1	T	06:31	X																	
680-89791-51	1	T	06:31	X																	
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
680-89791-52	1	T	06:31	X																	
680-89791-47	1	T	06:31	X																	
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
680-89791-45	1	T	06:31	X																	
ZZZZZZ			06:31																		
680-89791-48	1	T	06:31	X																	
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
ZZZZZZ			06:31																		
680-89791-50	1	T	06:31	X																	
ZZZZZZ			06:31																		
680-89791-53	1	T	06:31	X																	
ZZZZZZ			06:31																		
680-89791-46	1	T	06:31	X																	
ZZZZZZ			06:31																		
680-89791-49	1	T	06:31	X																	

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-89791-3

SDG No.: 68089791-3

Batch Number: 136953 Batch Start Date: 04/30/13 06:31 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
680-89791-A-54	CV1145B-CS	Moisture	T	15	0 g	4.38 g	3.41 g		
680-89791-A-51	CV1143A-CS	Moisture	T	16	0 g	4.64 g	3.57 g		
680-89791-A-52	CV1143B-CS	Moisture	T	20	0 g	4.87 g	3.69 g		
680-89791-A-47	FM0245C-CS-SP	Moisture	T	21	0 g	4.40 g	3.53 g		
680-89791-A-45	FM0245A-CS-SP	Moisture	T	29	0 g	4.60 g	3.49 g		
680-89791-A-48	CV1142A-CS	Moisture	T	31	0 g	4.73 g	3.86 g		
680-89791-B-50	CV1142B-CS	Moisture	T	36	0 g	4.47 g	3.53 g		
680-89791-A-53	CV1145A-CS	Moisture	T	38	0 g	4.97 g	4.08 g		
680-89791-A-46	FM0245B-CS-SP	Moisture	T	40	0 g	4.17 g	3.35 g		
680-89791-A-49	CV1142A-CSD	Moisture	T	42	0 g	4.28 g	3.43 g		
680-89791-A-44	FM0023C-CS-SP	Moisture	T	43	0 g	5.11 g	4.22 g		
680-89791-A-41	CV0282B-CS-SP	Moisture	T	50	0 g	4.39 g	3.30 g		
680-89791-A-41	CV0282B-CS-SP	Moisture	T	50	0 g	4.39 g	3.30 g		
MS									
680-89791-A-41	CV0282B-CS-SP	Moisture	T	50	0 g	4.39 g	3.30 g		
MSD									

Batch Notes	
Balance ID	2 No Unit
Date samples were placed in the oven	4.30.13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Shipping and Receiving Documents

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone: **680-89791**
Fax:

PROJECT REFERENCE 35th Ave Removal	PROJECT NO. 2005148-1356	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS	PAGE 4 OF 5
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TAL # AND PROJECT MANAGER		PO NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE
(b) (6)		(6)						2L PAH Trace Metals	EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS							
DATE	TIME							1	2	3	4	5	6	7	8	9	10		11	12					
4-25-13	1400	CV1196A - GS	G	X			X																		
	1315	CV1224A - CS	C	X			X																		
	1325	CV1224B - CS	C	X			X																		
	1312	CV0282A - CS-SP	C	X			X																		
	1325	CV0282B - CS-SP	C	X			X																		
	1402	FM0023A - CS-SP	C	X			X																		
	1414	FM0023B - CS-SP	C	X			X																		
	1428	FM0023C - CS-SP	C	X			X																		
	1557	FM0245A - CS-SP	C	X			X																		
	1605	FM0245B - CS-SP	C	X			X																		
	1608	FM0245C - CS-SP	C	X			X																		
4-26-13	0848	CV1142A - CS	C	X			X																		

RELINQUISHED BY: (SIGNATURE) <i>Anglin</i>	DATE 4-26-13	TIME 1130	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>Graeme Edrington</i>	DATE 4/27/13	TIME 825	CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone: 680-89791
Fax:

PROJECT REFERENCE: 35th Ave Removal PROJECT NO.: 2005148-1356 PROJECT LOCATION (STATE): AL MATRIX TYPE: REQUIRED ANALYSIS: PAGE 5 OF 5

(b) (6)

STANDARD REPORT DELIVERY DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE _____

COMPANY CONTRACTING THIS WORK (if applicable): PRESERVATIVE NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS												REMARKS					
DATE	TIME							1	2	3	4	5	6	7	8	9	10	11	12						
4-26-13	0848	CV1142A-CS	C	X			X																		
	0851	CV1142B-CS	C	X			X	X																	
	0855	CV1143A-CS	C	X			X																		
	0905	CV1143B-CS	C	X			X																		
	0910	CV1145A-CS	C	X			X																		
	0910	CV1145B-CS	C	X			X																		
4-26-13	0851	CV1142B-CS (sieve)	C	X																					
4-25-13	1050	CV1227C-CS (sieve)	C	X																					
	1120	CV1228B-CS (sieve)	C	X																					
	0913	CV0752B-CS-SP (sieve)	C	X																					

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 4-26-13	TIME 11:30	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) *[Signature]* DATE 4/27/13 TIME 8:25 CUSTODY INTACT YES NO SAVANNAH LOG NO. LABORATORY REMARKS

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

SDG Number: 68089791-3

Login Number: 89791

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

SDG Number: 68089791-3

Login Number: 89791
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa
List Creation: 04/29/13 01:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-89791-3

TestAmerica Sample Delivery Group: 68089791-3

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, Georgia 30060

Attn: Ms. Limari F Krebs



Authorized for release by:

5/8/2013 4:29:32 PM

Bernard Kirkland, Project Manager I

bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey, Project Manager II

lisa.harvey@testamericainc.com

LINKS

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results through

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Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Job ID: 680-89791-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89791-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/27/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.4° C and 2.8° C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0282B-CS-SP (680-89791-41), FM0023C-CS-SP (680-89791-44), FM0245A-CS-SP (680-89791-45), FM0245B-CS-SP (680-89791-46), FM0245C-CS-SP (680-89791-47), CV1142A-CS (680-89791-48), CV1142A-CSD (680-89791-49), CV1142B-CS (680-89791-50), CV1143A-CS (680-89791-51), CV1143B-CS (680-89791-52), CV1145A-CS (680-89791-53) and CV1145B-CS (680-89791-54) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 05/02/2013 and analyzed on 05/03/2013.

Benzo[a]pyrene and Pyrene failed the recovery criteria low for the MS of sample CV0282B-CS-SPMS (680-89791-41) in batch 660-137126.

No other difficulties were encountered during the SVOAs analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89791-41	CV0282B-CS-SP	Solid	04/25/13 13:25	04/27/13 08:25
680-89791-44	FM0023C-CS-SP	Solid	04/25/13 14:28	04/27/13 08:25
680-89791-45	FM0245A-CS-SP	Solid	04/25/13 15:57	04/27/13 08:25
680-89791-46	FM0245B-CS-SP	Solid	04/25/13 16:05	04/27/13 08:25
680-89791-47	FM0245C-CS-SP	Solid	04/25/13 16:08	04/27/13 08:25
680-89791-48	CV1142A-CS	Solid	04/26/13 08:48	04/27/13 08:25
680-89791-49	CV1142A-CSD	Solid	04/26/13 08:48	04/27/13 08:25
680-89791-50	CV1142B-CS	Solid	04/26/13 08:51	04/27/13 08:25
680-89791-51	CV1143A-CS	Solid	04/26/13 08:55	04/27/13 08:25
680-89791-52	CV1143B-CS	Solid	04/26/13 09:05	04/27/13 08:25
680-89791-53	CV1145A-CS	Solid	04/26/13 09:10	04/27/13 08:25
680-89791-54	CV1145B-CS	Solid	04/26/13 09:10	04/27/13 08:25

Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL TAM
Moisture	Percent Moisture	EPA	TAL TAM

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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Definitions/Glossary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F	MS or MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV0282B-CS-SP

Lab Sample ID: 680-89791-41

Date Collected: 04/25/13 13:25

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Acenaphthylene	53	U	53	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Anthracene	16		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[a]anthracene	82		11	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[a]pyrene	76	F	14	7.0	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[b]fluoranthene	120		16	8.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[g,h,i]perylene	58		27	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Benzo[k]fluoranthene	47		11	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Chrysene	110		12	6.0	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Dibenz(a,h)anthracene	19	J	27	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Fluoranthene	140		27	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Fluorene	27	U	27	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Indeno[1,2,3-cd]pyrene	34		27	9.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
1-Methylnaphthalene	23	J	53	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
2-Methylnaphthalene	28	J	53	9.5	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Naphthalene	40	J	53	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Phenanthrene	63		11	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1
Pyrene	97	F	27	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	48		30 - 130	05/02/13 08:14	05/03/13 14:06	1

Client Sample ID: FM0023C-CS-SP

Lab Sample ID: 680-89791-44

Date Collected: 04/25/13 14:28

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Acenaphthylene	49	U	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Anthracene	5.8	J	10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[a]anthracene	20		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[a]pyrene	18		13	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[b]fluoranthene	29		15	7.4	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[g,h,i]perylene	15	J	24	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Benzo[k]fluoranthene	14		9.7	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Chrysene	35		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Dibenz(a,h)anthracene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Fluoranthene	33		24	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Fluorene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Indeno[1,2,3-cd]pyrene	12	J	24	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
1-Methylnaphthalene	19	J	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
2-Methylnaphthalene	20	J	49	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Naphthalene	29	J	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Phenanthrene	28		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1
Pyrene	25		24	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	41		30 - 130	05/02/13 08:14	05/03/13 15:59	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: FM0245A-CS-SP

Lab Sample ID: 680-89791-45

Date Collected: 04/25/13 15:57

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Acenaphthylene	13	J	53	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Anthracene	23		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[a]anthracene	55		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[a]pyrene	56		14	6.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[b]fluoranthene	90		16	8.0	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[g,h,i]perylene	41		26	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Benzo[k]fluoranthene	51		11	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Chrysene	99		12	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Dibenz(a,h)anthracene	12	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Fluoranthene	90		26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Fluorene	6.3	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Indeno[1,2,3-cd]pyrene	15	J	26	9.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
1-Methylnaphthalene	18	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
2-Methylnaphthalene	25	J	53	9.3	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Naphthalene	32	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Phenanthrene	46		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Pyrene	74		26	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	40		30 - 130				05/02/13 08:14	05/03/13 16:22	1

Client Sample ID: FM0245B-CS-SP

Lab Sample ID: 680-89791-46

Date Collected: 04/25/13 16:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	25	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Acenaphthylene	37	J	50	6.2	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Anthracene	60		10	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[a]anthracene	220		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[a]pyrene	240		13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[b]fluoranthene	340		15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[g,h,i]perylene	150		25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Benzo[k]fluoranthene	200		10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Chrysene	310		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Dibenz(a,h)anthracene	48		25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Fluoranthene	450		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Fluorene	12	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Indeno[1,2,3-cd]pyrene	100		25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
1-Methylnaphthalene	54		50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
2-Methylnaphthalene	64		50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Naphthalene	160		50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Phenanthrene	190		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Pyrene	310		25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	55		30 - 130				05/02/13 08:14	05/03/13 16:45	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: FM0245C-CS-SP

Lab Sample ID: 680-89791-47

Date Collected: 04/25/13 16:08

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Acenaphthylene	9.2	J	50	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Anthracene	35		11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[a]anthracene	81		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[a]pyrene	73		13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[b]fluoranthene	100		15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[g,h,i]perylene	53		25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Benzo[k]fluoranthene	57		10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Chrysene	98		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Dibenz(a,h)anthracene	14	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Fluoranthene	180		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Fluorene	8.4	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Indeno[1,2,3-cd]pyrene	44		25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
1-Methylnaphthalene	12	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
2-Methylnaphthalene	13	J	50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Naphthalene	18	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Phenanthrene	120		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Pyrene	130		25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	52		30 - 130				05/02/13 08:14	05/03/13 17:07	1

Client Sample ID: CV1142A-CS

Lab Sample ID: 680-89791-48

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 81.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130		120	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Acenaphthylene	31	J	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Anthracene	440		10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[a]anthracene	1000		9.8	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[a]pyrene	910		13	6.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[b]fluoranthene	1300		15	7.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[g,h,i]perylene	560		25	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Benzo[k]fluoranthene	690		9.8	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Chrysene	1100		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Dibenz(a,h)anthracene	160		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Fluoranthene	3200		25	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Fluorene	140		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Indeno[1,2,3-cd]pyrene	380		25	8.7	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
1-Methylnaphthalene	72		49	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
2-Methylnaphthalene	70		49	8.7	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Naphthalene	81		49	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Phenanthrene	2600		9.8	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Pyrene	2300		25	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	43		30 - 130				05/02/13 08:14	05/03/13 17:30	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1142A-CSD

Lab Sample ID: 680-89791-49

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Acenaphthylene	13	J	50	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Anthracene	85		11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[a]anthracene	190		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[a]pyrene	180		13	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[b]fluoranthene	270		15	7.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[g,h,i]perylene	110		25	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Benzo[k]fluoranthene	120		10	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Chrysene	240		11	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Dibenz(a,h)anthracene	29		25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Fluoranthene	460		25	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Fluorene	19	J	25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Indeno[1,2,3-cd]pyrene	63		25	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
1-Methylnaphthalene	26	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
2-Methylnaphthalene	27	J	50	8.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Naphthalene	25	J	50	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Phenanthrene	300		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Pyrene	330		25	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	38		30 - 130				05/02/13 08:14	05/03/13 17:52	1

Client Sample ID: CV1142B-CS

Lab Sample ID: 680-89791-50

Date Collected: 04/26/13 08:51

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 79.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	25	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Acenaphthylene	23	J	51	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Anthracene	43		11	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[a]anthracene	130		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[a]pyrene	130		13	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[b]fluoranthene	220		15	7.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[g,h,i]perylene	79		25	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Benzo[k]fluoranthene	91		10	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Chrysene	190		11	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Dibenz(a,h)anthracene	20	J	25	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Fluoranthene	260		25	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Fluorene	11	J	25	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Indeno[1,2,3-cd]pyrene	51		25	9.0	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
1-Methylnaphthalene	88		51	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
2-Methylnaphthalene	89		51	9.0	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Naphthalene	83		51	5.6	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Phenanthrene	170		10	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Pyrene	190		25	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	37		30 - 130				05/02/13 08:14	05/03/13 18:15	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1143A-CS

Lab Sample ID: 680-89791-51

Date Collected: 04/26/13 08:55

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 76.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Acenaphthylene	52	U	52	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Anthracene	7.7	J	11	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[a]anthracene	31		10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[a]pyrene	29		13	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[b]fluoranthene	54		16	7.9	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[g,h,i]perylene	17	J	26	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Benzo[k]fluoranthene	24		10	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Chrysene	97		12	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Dibenz(a,h)anthracene	7.0	J	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Fluoranthene	70		26	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Fluorene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Indeno[1,2,3-cd]pyrene	26	U	26	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
1-Methylnaphthalene	25	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
2-Methylnaphthalene	30	J	52	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Naphthalene	27	J	52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Phenanthrene	44		10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Pyrene	48		26	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	39		30 - 130				05/02/13 08:14	05/03/13 18:37	1

Client Sample ID: CV1143B-CS

Lab Sample ID: 680-89791-52

Date Collected: 04/26/13 09:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Acenaphthylene	7.3	J	53	6.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Anthracene	30		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[a]anthracene	95		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[a]pyrene	66		14	6.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[b]fluoranthene	110		16	8.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[g,h,i]perylene	34		26	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Benzo[k]fluoranthene	42		11	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Chrysene	130		12	5.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Dibenz(a,h)anthracene	14	J	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Fluoranthene	130		26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Fluorene	26	U	26	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Indeno[1,2,3-cd]pyrene	24	J	26	9.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
1-Methylnaphthalene	48	J	53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
2-Methylnaphthalene	59		53	9.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Naphthalene	54		53	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Phenanthrene	83		11	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Pyrene	100		26	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	41		30 - 130				05/02/13 08:14	05/03/13 19:00	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1145A-CS

Lab Sample ID: 680-89791-53

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	120	U	120	24	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Acenaphthylene	49	U	49	6.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Anthracene	10	U	10	5.1	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[a]anthracene	17		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[a]pyrene	7.3 J		13	6.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[b]fluoranthene	13 J		15	7.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[g,h,i]perylene	10 J		24	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Benzo[k]fluoranthene	8.4 J		9.7	4.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Chrysene	13		11	5.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Dibenz(a,h)anthracene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Fluoranthene	21 J		24	4.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Fluorene	24	U	24	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Indeno[1,2,3-cd]pyrene	24	U	24	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
1-Methylnaphthalene	49	U	49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
2-Methylnaphthalene	49	U	49	8.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Naphthalene	6.3 J		49	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Phenanthrene	16		9.7	4.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Pyrene	14 J		24	4.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	56		30 - 130				05/02/13 08:14	05/03/13 19:22	1

Client Sample ID: CV1145B-CS

Lab Sample ID: 680-89791-54

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 77.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Acenaphthylene	52	U	52	6.5	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Anthracene	11		11	5.4	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[a]anthracene	10	U	10	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[a]pyrene	24		13	6.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[b]fluoranthene	44		16	7.9	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[g,h,i]perylene	20 J		26	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Benzo[k]fluoranthene	32		10	4.6	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Chrysene	41		12	5.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Dibenz(a,h)anthracene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Fluoranthene	58		26	5.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Fluorene	26	U	26	5.3	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Indeno[1,2,3-cd]pyrene	10 J		26	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
1-Methylnaphthalene	25 J		52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
2-Methylnaphthalene	30 J		52	9.2	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Naphthalene	35 J		52	5.7	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Phenanthrene	40		10	5.0	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Pyrene	36		26	4.8	ug/Kg	☼	05/02/13 08:14	05/03/13 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	42		30 - 130				05/02/13 08:14	05/03/13 19:45	1

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 660-137037/1-A

Matrix: Solid

Analysis Batch: 137126

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 137037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	100	U	100	20	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Acenaphthylene	40	U	40	5.0	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Anthracene	8.4	U	8.4	4.2	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Benzo[a]anthracene	8.0	U	8.0	3.9	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Benzo[a]pyrene	10	U	10	5.2	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Benzo[b]fluoranthene	12	U	12	6.1	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Benzo[g,h,i]perylene	20	U	20	4.4	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Benzo[k]fluoranthene	8.0	U	8.0	3.6	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Chrysene	9.0	U	9.0	4.5	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Dibenz(a,h)anthracene	20	U	20	4.1	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Fluoranthene	20	U	20	4.0	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Fluorene	20	U	20	4.1	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Indeno[1,2,3-cd]pyrene	20	U	20	7.1	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
1-Methylnaphthalene	40	U	40	4.4	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
2-Methylnaphthalene	40	U	40	7.1	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Naphthalene	40	U	40	4.4	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Phenanthrene	8.0	U	8.0	3.9	ug/Kg		05/02/13 08:14	05/03/13 11:28	1
Pyrene	20	U	20	3.7	ug/Kg		05/02/13 08:14	05/03/13 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	70		30 - 130	05/02/13 08:14	05/03/13 11:28	1

Lab Sample ID: LCS 660-137037/2-A

Matrix: Solid

Analysis Batch: 137156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 137037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	665	411		ug/Kg		62	39 - 130
Acenaphthylene	665	463		ug/Kg		70	38 - 130
Anthracene	665	452		ug/Kg		68	37 - 130
Benzo[a]anthracene	665	465		ug/Kg		70	40 - 130
Benzo[a]pyrene	665	384		ug/Kg		58	49 - 130
Benzo[b]fluoranthene	665	375		ug/Kg		56	37 - 130
Benzo[g,h,i]perylene	665	545		ug/Kg		82	32 - 130
Benzo[k]fluoranthene	665	405		ug/Kg		61	32 - 130
Chrysene	665	416		ug/Kg		62	41 - 130
Dibenz(a,h)anthracene	665	537		ug/Kg		81	27 - 130
Fluoranthene	665	427		ug/Kg		64	40 - 130
Fluorene	665	467		ug/Kg		70	40 - 130
Indeno[1,2,3-cd]pyrene	665	522		ug/Kg		78	30 - 130
1-Methylnaphthalene	665	469		ug/Kg		71	31 - 130
2-Methylnaphthalene	665	475		ug/Kg		71	33 - 130
Naphthalene	665	425		ug/Kg		64	36 - 130
Phenanthrene	665	451		ug/Kg		68	42 - 130
Pyrene	665	557		ug/Kg		84	44 - 130

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 660-137037/2-A
Matrix: Solid
Analysis Batch: 137156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137037

Surrogate	LCS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	70		30 - 130

Lab Sample ID: 680-89791-41 MS
Matrix: Solid
Analysis Batch: 137126

Client Sample ID: CV0282B-CS-SP
Prep Type: Total/NA
Prep Batch: 137037

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Acenaphthene	130	U	888	413		ug/Kg	☼	46		39 - 130
Acenaphthylene	53	U	888	435		ug/Kg	☼	49		38 - 130
Anthracene	16		888	482		ug/Kg	☼	52		37 - 130
Benzo[a]anthracene	82		888	512		ug/Kg	☼	48		40 - 130
Benzo[a]pyrene	76	F	888	454	F	ug/Kg	☼	43		49 - 130
Benzo[b]fluoranthene	120		888	492		ug/Kg	☼	42		37 - 130
Benzo[g,h,i]perylene	58		888	522		ug/Kg	☼	52		32 - 130
Benzo[k]fluoranthene	47		888	587		ug/Kg	☼	61		32 - 130
Chrysene	110		888	540		ug/Kg	☼	48		41 - 130
Dibenz(a,h)anthracene	19	J	888	535		ug/Kg	☼	58		27 - 130
Fluoranthene	140		888	506		ug/Kg	☼	42		40 - 130
Fluorene	27	U	888	449		ug/Kg	☼	51		40 - 130
Indeno[1,2,3-cd]pyrene	34		888	402		ug/Kg	☼	41		30 - 130
1-Methylnaphthalene	23	J	888	561		ug/Kg	☼	61		31 - 130
2-Methylnaphthalene	28	J	888	481		ug/Kg	☼	51		33 - 130
Naphthalene	40	J	888	480		ug/Kg	☼	50		36 - 130
Phenanthrene	63		888	457		ug/Kg	☼	44		42 - 130
Pyrene	97	F	888	479	F	ug/Kg	☼	43		44 - 130

Surrogate	MS		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	51		30 - 130

Lab Sample ID: 680-89791-41 MSD
Matrix: Solid
Analysis Batch: 137126

Client Sample ID: CV0282B-CS-SP
Prep Type: Total/NA
Prep Batch: 137037

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Acenaphthene	130	U	889	522		ug/Kg	☼	59		39 - 130	23	40
Acenaphthylene	53	U	889	539		ug/Kg	☼	61		38 - 130	21	40
Anthracene	16		889	590		ug/Kg	☼	65		37 - 130	20	40
Benzo[a]anthracene	82		889	651		ug/Kg	☼	64		40 - 130	24	40
Benzo[a]pyrene	76	F	889	579		ug/Kg	☼	57		49 - 130	24	40
Benzo[b]fluoranthene	120		889	612		ug/Kg	☼	56		37 - 130	22	40
Benzo[g,h,i]perylene	58		889	636		ug/Kg	☼	65		32 - 130	20	40
Benzo[k]fluoranthene	47		889	767		ug/Kg	☼	81		32 - 130	27	40
Chrysene	110		889	678		ug/Kg	☼	64		41 - 130	23	40
Dibenz(a,h)anthracene	19	J	889	683		ug/Kg	☼	75		27 - 130	24	40
Fluoranthene	140		889	673		ug/Kg	☼	60		40 - 130	28	40
Fluorene	27	U	889	588		ug/Kg	☼	66		40 - 130	27	40
Indeno[1,2,3-cd]pyrene	34		889	483		ug/Kg	☼	51		30 - 130	18	40
1-Methylnaphthalene	23	J	889	591		ug/Kg	☼	64		31 - 130	5	40

TestAmerica Savannah

QC Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 680-89791-41 MSD

Matrix: Solid

Analysis Batch: 137126

Client Sample ID: CV0282B-CS-SP

Prep Type: Total/NA

Prep Batch: 137037

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
2-Methylnaphthalene	28	J	889	571		ug/Kg	☆	61	33 - 130	17	40
Naphthalene	40	J	889	579		ug/Kg	☆	61	36 - 130	19	40
Phenanthrene	63		889	604		ug/Kg	☆	61	42 - 130	28	40
Pyrene	97	F	889	595		ug/Kg	☆	56	44 - 130	22	40
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
<i>o</i> -Terphenyl	66		30 - 130								

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

GC/MS Semi VOA

Prep Batch: 137037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89791-41	CV0282B-CS-SP	Total/NA	Solid	3546	
680-89791-41 MS	CV0282B-CS-SP	Total/NA	Solid	3546	
680-89791-41 MSD	CV0282B-CS-SP	Total/NA	Solid	3546	
680-89791-44	FM0023C-CS-SP	Total/NA	Solid	3546	
680-89791-45	FM0245A-CS-SP	Total/NA	Solid	3546	
680-89791-46	FM0245B-CS-SP	Total/NA	Solid	3546	
680-89791-47	FM0245C-CS-SP	Total/NA	Solid	3546	
680-89791-48	CV1142A-CS	Total/NA	Solid	3546	
680-89791-49	CV1142A-CSD	Total/NA	Solid	3546	
680-89791-50	CV1142B-CS	Total/NA	Solid	3546	
680-89791-51	CV1143A-CS	Total/NA	Solid	3546	
680-89791-52	CV1143B-CS	Total/NA	Solid	3546	
680-89791-53	CV1145A-CS	Total/NA	Solid	3546	
680-89791-54	CV1145B-CS	Total/NA	Solid	3546	
LCS 660-137037/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 660-137037/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 137126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89791-41	CV0282B-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-41 MS	CV0282B-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-41 MSD	CV0282B-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-44	FM0023C-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-45	FM0245A-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-46	FM0245B-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-47	FM0245C-CS-SP	Total/NA	Solid	8270C LL	137037
680-89791-48	CV1142A-CS	Total/NA	Solid	8270C LL	137037
680-89791-49	CV1142A-CSD	Total/NA	Solid	8270C LL	137037
680-89791-50	CV1142B-CS	Total/NA	Solid	8270C LL	137037
680-89791-51	CV1143A-CS	Total/NA	Solid	8270C LL	137037
680-89791-52	CV1143B-CS	Total/NA	Solid	8270C LL	137037
680-89791-53	CV1145A-CS	Total/NA	Solid	8270C LL	137037
680-89791-54	CV1145B-CS	Total/NA	Solid	8270C LL	137037
MB 660-137037/1-A	Method Blank	Total/NA	Solid	8270C LL	137037

Analysis Batch: 137156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-137037/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	137037

General Chemistry

Analysis Batch: 136953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89791-41	CV0282B-CS-SP	Total/NA	Solid	Moisture	
680-89791-41 MS	CV0282B-CS-SP	Total/NA	Solid	Moisture	
680-89791-41 MSD	CV0282B-CS-SP	Total/NA	Solid	Moisture	
680-89791-44	FM0023C-CS-SP	Total/NA	Solid	Moisture	
680-89791-45	FM0245A-CS-SP	Total/NA	Solid	Moisture	
680-89791-46	FM0245B-CS-SP	Total/NA	Solid	Moisture	
680-89791-47	FM0245C-CS-SP	Total/NA	Solid	Moisture	

TestAmerica Savannah

QC Association Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

General Chemistry (Continued)

Analysis Batch: 136953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89791-48	CV1142A-CS	Total/NA	Solid	Moisture	
680-89791-49	CV1142A-CSD	Total/NA	Solid	Moisture	
680-89791-50	CV1142B-CS	Total/NA	Solid	Moisture	
680-89791-51	CV1143A-CS	Total/NA	Solid	Moisture	
680-89791-52	CV1143B-CS	Total/NA	Solid	Moisture	
680-89791-53	CV1145A-CS	Total/NA	Solid	Moisture	
680-89791-54	CV1145B-CS	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV0282B-CS-SP

Lab Sample ID: 680-89791-41

Date Collected: 04/25/13 13:25

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 14:06	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: FM0023C-CS-SP

Lab Sample ID: 680-89791-44

Date Collected: 04/25/13 14:28

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 15:59	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: FM0245A-CS-SP

Lab Sample ID: 680-89791-45

Date Collected: 04/25/13 15:57

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 16:22	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: FM0245B-CS-SP

Lab Sample ID: 680-89791-46

Date Collected: 04/25/13 16:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 16:45	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: FM0245C-CS-SP

Lab Sample ID: 680-89791-47

Date Collected: 04/25/13 16:08

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 17:07	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Client Sample ID: CV1142A-CS

Lab Sample ID: 680-89791-48

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 17:30	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: CV1142A-CSD

Lab Sample ID: 680-89791-49

Date Collected: 04/26/13 08:48

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 17:52	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: CV1142B-CS

Lab Sample ID: 680-89791-50

Date Collected: 04/26/13 08:51

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 18:15	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: CV1143A-CS

Lab Sample ID: 680-89791-51

Date Collected: 04/26/13 08:55

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 18:37	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: CV1143B-CS

Lab Sample ID: 680-89791-52

Date Collected: 04/26/13 09:05

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 19:00	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Client Sample ID: CV1145A-CS

Lab Sample ID: 680-89791-53

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 19:22	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Client Sample ID: CV1145B-CS

Lab Sample ID: 680-89791-54

Date Collected: 04/26/13 09:10

Matrix: Solid

Date Received: 04/27/13 08:25

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			137037	05/02/13 08:14	RN	TAL TAM
Total/NA	Analysis	8270C LL		1	137126	05/03/13 19:45	SCC	TAL TAM
Total/NA	Analysis	Moisture		1	136953	04/30/13 06:31	AG	TAL TAM

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Serial Number 64694

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone: 680-89791
Fax:

PROJECT REFERENCE: 35th Ave Removal; PROJECT NO.: 200548-1356; PROJECT LOCATION (STATE): AL; MATRIX TYPE: ; REQUIRED ANALYSIS: ; PAGE 4 OF 5

(b) (6)

COMPOSITE (C) OR GRAB (G) INDICATE
AQUEOUS (WATER)
SOLID OR SEMISOLID
AIR
NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

Table with columns for analysis types: LL PAH, Heavy Metals, PRESERVATIVE

STANDARD REPORT DELIVERY: 0; DATE DUE: ; EXPEDITED REPORT DELIVERY (SURCHARGE): 0; DATE DUE: ; NUMBER OF COOLERS SUBMITTED PER SHIPMENT: ;

COMPANY CONTRACTING THIS WORK (if applicable)

Main table with columns: SAMPLE DATE, SAMPLE TIME, SAMPLE IDENTIFICATION, COMPOSITE OR GRAB, AQUEOUS/SOLID, AIR, NONAQUEOUS LIQUID, NUMBER OF CONTAINERS SUBMITTED, REMARKS. Includes rows for samples CV1146A-GS, CV1224A-CS, CV1224B-CS, CV0282A-CS-SP, CV0282B-CS-SP, FM0023A-CS-SP, FM0023B-CS-SP, FM0023C-CS-SP, FM0245A-CS-SP, FM0245B-CS-SP, FM0245C-CS-SP, CV1142A-CS.

RELINQUISHED BY: (SIGNATURE) [Signature], DATE 4-26-13, TIME 1130; RECEIVED BY: (SIGNATURE) [Signature], DATE, TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) [Signature], DATE 4/27/13, TIME 825; CUSTODY INTACT: YES [0], NO [0]; CUSTODY SEAL NO.; SAVANNAH LOG NO.; LABORATORY REMARKS

Page 20 of 25

5/8/2013



Serial Number 64696

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Test Am Tampa

Phone:
Fax:

680-89791

PROJECT REFERENCE: 35th Ave Removal; PROJECT NO.: 2005148-1356; PROJECT LOCATION (STATE): AL; MATRIX TYPE: ...; REQUIRED ANALYSIS: ...; PAGE 5 OF 5

(b) (6)

STANDARD REPORT DELIVERY: 0; DATE DUE: ...; EXPEDITED REPORT DELIVERY (SURCHARGE): 0; DATE DUE: ...

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

Table with columns: SAMPLE (DATE, TIME, IDENTIFICATION), MATRIX TYPE (COMPOSITE, AQUEOUS, SOLID, AIR, NONAQUEOUS LIQUID), NUMBER OF CONTAINERS SUBMITTED, REMARKS. Includes handwritten entries for samples like CV1142A-CS, CV1142B-CS, etc.

Handwritten notes on the right margin: 49, 50, 51, 52

Relinquished and Received by table with columns for SIGNATURE, DATE, TIME. Includes signature of J. Anglin and date 4-26-13.

Laboratory Use Only table with columns: RECEIVED FOR LABORATORY BY (SIGNATURE, DATE, TIME), CUSTODY INTACT (YES/NO), CUSTODY SEAL NO., SAVANNAH LOG NO., LABORATORY REMARKS. Includes signature of Gerald Edging and date 4/27/13.



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

SDG Number: 68089791-3

Login Number: 89791

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89791-3

SDG Number: 68089791-3

Login Number: 89791

List Number: 1

Creator: Snead, Joshua

List Source: TestAmerica Tampa

List Creation: 04/29/13 01:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
 SDG: 68089791-3

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-13 *
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13 *
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13 *
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13 *
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13 *
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Savannah

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89791-3
SDG: 68089791-3

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14

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