

REDACTED

Data Validation Checklist Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Tampa, FL
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Karen Marie Trujillo
 Concurrence¹: Sarah Choyke/Martha Meyers-Lee

Project No: 15268508.20000
 Job ID.: 680-88811-4
 Associated Samples: Refer to Attachment A (Sample Summary)
 Samples Collected: 03/28/2013
 Date: 04/17/2013
 Date: 04/24/2013

| 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 032613-RB-shovel (680-88766-23). | |

¹ 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, 032613-RB-shovel (680-88766-23) was collected during the week of 3/25/13. The rinsate blank was analyzed for PAHs under Test America Job ID 680-88766-2. | |
| 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? | ✓ | | | <ul style="list-style-type: none"> CV1141A-CSD (680-88811-83) is a field duplicate of CV1141A-CS (680-88811-82). CV1056A-CSD (680-88811-67) is a field duplicate of CV1056A-CS (680-88811-66), which was analyzed under Job ID 680-88811-3. | |
| 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: BSMA5973 Initial Calibration: 04/09/2013 ICV: 04/09/13 @ 13:51 CCV: 04/10/13 @ 12:41 Instrument ID: BSMC5973 Initial Calibration: 04/02/2013 ICV: 04/02/13 @ 15:34 CCV: 04/10/13 @ 12:10 | |
| 19. Were calibration results within laboratory/project specifications? | | ✓ | | ICV of 04/02/13 @ 15:34, instrument BSMC5973: <ul style="list-style-type: none"> Benzo(a)pyrene @ -24.3%D (Lab: ≤35, Project: | J |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|--|-----|----|-----|---|------|
| <ul style="list-style-type: none"> ICAL (Criteria: ≤ 15 mean %RSD with no 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 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 ≥ 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 , 75.5%R <ul style="list-style-type: none"> Benzo(b)fluoranthene @ -21.1%D (Lab: ≤ 35, Project: ≤ 20), 79%R Chrysene @ -23.5%D (Lab: ≤ 35, Project: ≤ 20), 76.5%R Pyrene @ -21.4%D (Lab: ≤ 35, Project: ≤ 20), 78.5%R A negative bias is indicated by the ICV percent difference and the analytes were detected in the associated samples ² ; therefore, J-flag detected pyrene, chrysene, benzo[a]fluoranthene, and benzo[a]pyrene results. | |
| 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 > Upper Control Limit (UCL) and J/R-flag results when %R < 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? | ✓ | | | <ul style="list-style-type: none"> Prep Batch 136204: 680-88811-62 (CV1127B-CS), MS/MSD Prep Batch 136235: 680-88913-2 (CV0116B-CS-SP), MS/MSD. Lab sample 680-88913-2 is a project-specific sample (CV0116B-CS-SP) that was selected by TestAmerica for the PAH MS and MSD analyses, and the results were reported under Job ID 680-88913-1. | |
| 25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples 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. | ✓ | | | | |

² Associated sample(s): 680-88811-78 through -80

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | Flag |
|---|-----|----|-----|--------------------------------------|------|
| <ul style="list-style-type: none"> If either MS or MSD recovery meets control limits, qualification of data is not warranted. MS and MSD %R<10: J and R Flag positive and ND results, respectively MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results MS and MSD R% >UCL (or 140): J-Flag positive results | | | | | |
| 26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples 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 %RPD > UCL, J-flag positive result and UJ-flag non-detect result | ✓ | | | | |
| 27. Were surrogate recoveries within lab/project specifications? <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 ≥10%, 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 ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results | ✓ | | | | |
| 28. Were internal standard (IS) results within lab/project specifications? <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 | ✓ | | | | |

Data Validation Checklist (Continued)

| Review Questions | Yes | No | N/A | Samples (Analytes) Affected/Comments | 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) | |
| <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: 680-88811-4
SDG: 68088811-4

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-88811-62 | CV1127B-CS | Solid | 03/28/13 10:38 | 03/29/13 09:45 |
| 680-88811-67 | CV1056A-CSD | Solid | 03/28/13 13:47 | 03/29/13 09:45 |
| 680-88811-68 | CV1056B-CS | Solid | 03/28/13 13:55 | 03/29/13 09:45 |
| 680-88811-69 | CV1124A-CS | Solid | 03/28/13 13:05 | 03/29/13 09:45 |
| 680-88811-70 | CV1124B-CS | Solid | 03/28/13 13:15 | 03/29/13 09:45 |
| 680-88811-71 | CV1126A-CS | Solid | 03/28/13 13:35 | 03/29/13 09:45 |
| 680-88811-72 | CV1126B-CS | Solid | 03/28/13 13:45 | 03/29/13 09:45 |
| 680-88811-73 | CV1138A-CS | Solid | 03/28/13 12:55 | 03/29/13 09:45 |
| 680-88811-74 | CV1138B-CS | Solid | 03/28/13 13:05 | 03/29/13 09:45 |
| 680-88811-75 | CV1140A-CS | Solid | 03/28/13 13:10 | 03/29/13 09:45 |
| 680-88811-76 | CV1140B-CS | Solid | 03/28/13 13:15 | 03/29/13 09:45 |
| 680-88811-77 | CV1052A-CS | Solid | 03/28/13 14:40 | 03/29/13 09:45 |
| 680-88811-78 | CV1052B-CS | Solid | 03/28/13 14:50 | 03/29/13 09:45 |
| 680-88811-79 | CV1054A-CS | Solid | 03/28/13 14:05 | 03/29/13 09:45 |
| 680-88811-80 | CV1054B-CS | Solid | 03/28/13 14:15 | 03/29/13 09:45 |
| 680-88811-81 | CV1136A-CS | Solid | 03/28/13 14:55 | 03/29/13 09:45 |
| 680-88811-82 | CV1141A-CS | Solid | 03/28/13 14:45 | 03/29/13 09:45 |
| 680-88811-83 | CV1141A-CSD | Solid | 03/28/13 14:45 | 03/29/13 09:45 |
| 680-88811-84 | CV1058A-CS | Solid | 03/28/13 15:15 | 03/29/13 09:45 |

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

| Analyte | CV1056A-CS (680-88811-66) | RL | CV1056A-CSD (680-88811-67) | RL | Unit | Avg. RLx5 | RPD | Absolute difference | 2x Avg RL | Action |
|------------------------|------------------------------|-----|-------------------------------|------|-------|-----------|-----|------------------------|--------------|--|
| Acenaphthylene | 53 | 48 | | 190 | µg/kg | 595 | NA | 53 | 238 | None, absolute difference ≤ 2x Avg RL |
| Anthracene | 55 | 10 | 150 | 40 | µg/kg | 125 | NA | 95 | 50 | J/UJ-flag, absolute difference > 2x Avg RL |
| Benzo(a)anthracene | 140 | 9.5 | 270 | 38 | µg/kg | 118.75 | 63 | NA | NA | J/UJ-flag, RPD > 50% |
| Benzo(a)pyrene | 130 | 12 | 42 | J 49 | µg/kg | 152.5 | NA | 88 | 61 | J/UJ-flag, absolute difference > 2x Avg RL |
| Benzo(b)fluoranthene | 321 | 15 | 510 | 58 | µg/kg | 182.5 | 45 | NA | NA | None, RPD ≤ 50% |
| Benzo(g,h,i)perylene | 210 | 24 | 370 | 95 | µg/kg | 297.5 | NA | 160 | 119 | J/UJ-flag, absolute difference > 2x Avg RL |
| Benzo(k)fluoranthene | 94 | 9.5 | 200 | 38 | µg/kg | 118.75 | NA | 106 | 47.5 | J/UJ-flag, absolute difference > 2x Avg RL |
| Chrysene | 200 | 11 | 360 | 43 | µg/kg | 135 | 57 | NA | NA | J/UJ-flag, RPD > 50% |
| Dibenzo(a,h)anthracene | 56 | 24 | 100 | 95 | µg/kg | 297.5 | NA | 44 | 119 | None, absolute difference ≤ 2x Avg RL |
| Fluoranthene | 220 | 24 | 380 | 95 | µg/kg | 297.5 | NA | 160 | 119 | J/UJ-flag, absolute difference > 2x Avg RL |
| Indeno(1,2,3-cd)pyrene | 200 | 24 | 410 | 95 | µg/kg | 297.5 | NA | 210 | 119 | J/UJ-flag, absolute difference > 2x Avg RL |
| 1-Methylnaphthalene | 62 | 48 | 220 | 190 | µg/kg | 595 | NA | 158 | 238 | None, absolute difference ≤ 2x Avg RL |
| 2-Methylnaphthalene | 71 | 48 | 230 | 190 | µg/kg | 595 | NA | 159 | 238 | None, absolute difference ≤ 2x Avg RL |
| Naphthalene | 66 | 48 | 190 | 190 | µg/kg | 595 | NA | 124 | 238 | None, absolute difference ≤ 2x Avg RL |
| Phenanthrene | 150 | 9.5 | 340 | 38 | µg/kg | 118.75 | 78 | NA | NA | J/UJ-flag, RPD > 50% |
| Pyrene | 230 | 24 | 420 | 95 | µg/kg | 297.5 | NA | 190 | 119 | J/UJ-flag, absolute difference > 2x Avg RL |

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

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

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.

Evaluation of Field Duplicate Results

Attachment B

| Analyte | CV1141A-CS 680-88811-82 | RL | CV1141A-CSD 680-88811-83 | RL | Unit | Avg. RLx5 | RPD | Absolute difference | 2x Avg RL | Action |
|------------------------|----------------------------|-------|-----------------------------|-------|-------|-----------|-----|------------------------|--------------|---------------------------------------|
| Acenaphthylene | 200 | 190 | 190 | 190 | µg/kg | 950 | NA | 10 | 380 | None, absolute difference ≤ 2x Avg RL |
| Anthracene | 280 | 39 | 230 | 39 | µg/kg | 195 | 20 | NA | NA | None, RPD ≤ 50% |
| Benzo(a)anthracene | 1600 | 37 | 1200 | 38 | µg/kg | 187.5 | 29 | NA | NA | None, RPD ≤ 50% |
| Benzo(a)pyrene | 1700 | 49 | 1300 | 49 | µg/kg | 245 | 27 | NA | NA | None, RPD ≤ 50% |
| Benzo(b)fluoranthene | 2700 | 57 | 2300 | 57 | µg/kg | 285 | 16 | NA | NA | None, RPD ≤ 50% |
| Benzo(g,h,i)perylene | 2100 | 93 | 1700 | 94 | µg/kg | 467.5 | 21 | NA | NA | None, RPD ≤ 50% |
| Benzo(k)fluoranthene | 1300 | 37 | 860 | 38 | µg/kg | 187.5 | 41 | NA | NA | None, RPD ≤ 50% |
| Chrysene | 1700 | 42 | 1400 | 42 | µg/kg | 210 | 19 | NA | NA | None, RPD ≤ 50% |
| Dibenzo(a,h)anthracene | 470 | 93 | 380 | 94 | µg/kg | 467.5 | NA | 90 | 187 | None, absolute difference ≤ 2x Avg RL |
| Fluoranthene | 2900 | 93 | 2100 | 94 | µg/kg | 467.5 | 32 | NA | NA | None, RPD ≤ 50% |
| Indeno(1,2,3-cd)pyrene | 2000 | 93 | 1600 | 94 | µg/kg | 467.5 | 22 | NA | NA | None, RPD ≤ 50% |
| 1-Methylnaphthalene | 130 | J 190 | 140 | J 190 | µg/kg | 950 | NA | 10 | 380 | None, absolute difference ≤ 2x Avg RL |
| 2-Methylnaphthalene | 140 | J 190 | 150 | J 190 | µg/kg | 950 | NA | 10 | 380 | None, absolute difference ≤ 2x Avg RL |
| Naphthalene | 170 | J 190 | 170 | J 190 | µg/kg | 950 | NA | 0 | 380 | None, absolute difference ≤ 2x Avg RL |
| Phenanthrene | 1200 | 37 | 780 | 38 | µg/kg | 187.5 | 42 | NA | NA | None, RPD ≤ 50% |
| Pyrene | 2900 | 93 | 2300 | 94 | µg/kg | 467.5 | 23 | NA | NA | None, RPD ≤ 50% |

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

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

U - Not detected

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: 680-88811-4
SDG: 68088811-4

Job ID: 680-88811-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-4

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.6 and 3.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1127B-CS (680-88811-62), CV1056A-CSD (680-88811-67), CV1056B-CS (680-88811-68), CV1124A-CS (680-88811-69), CV1124B-CS (680-88811-70), CV1126A-CS (680-88811-71), CV1126B-CS (680-88811-72), CV1138A-CS (680-88811-73), CV1138B-CS (680-88811-74), CV1140A-CS (680-88811-75), CV1140B-CS (680-88811-76), CV1052A-CS (680-88811-77), CV1052B-CS (680-88811-78), CV1054A-CS (680-88811-79), CV1054B-CS (680-88811-80), CV1136A-CS (680-88811-81), CV1141A-CS (680-88811-82), CV1141A-CSD (680-88811-83) and CV1058A-CS (680-88811-84) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013 and 04/10/2013.

Samples CV1056A-CSD (680-88811-67)[4X], CV1056B-CS (680-88811-68)[4X], CV1124A-CS (680-88811-69)[4X], CV1138B-CS (680-88811-74)[4X], CV1052A-CS (680-88811-77)[4X], CV1052B-CS (680-88811-78)[4X], CV1054A-CS (680-88811-79)[4X], CV1054B-CS (680-88811-80)[4X], CV1136A-CS (680-88811-81)[4X], CV1141A-CS (680-88811-82)[4X], CV1141A-CSD (680-88811-83)[4X] and CV1058A-CS (680-88811-84)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All 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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1127B-CS

Lab Sample ID: 680-88811-62

Date Collected: 03/28/13 10:38

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 81.1

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 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Acenaphthylene | 49 | U | 49 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Anthracene | 40 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[a]anthracene | 67 | | 9.8 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[a]pyrene | 13 | U | 13 | 6.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[b]fluoranthene | 140 | | 15 | 7.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[g,h,i]perylene | 93 | | 25 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[k]fluoranthene | 48 | | 9.8 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Chrysene | 110 | | 11 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Dibenz(a,h)anthracene | 27 | | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Fluoranthene | 100 | | 25 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Fluorene | 25 | U | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Indeno[1,2,3-cd]pyrene | 110 | | 25 | 8.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| 1-Methylnaphthalene | 52 | | 49 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| 2-Methylnaphthalene | 66 | | 49 | 8.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Naphthalene | 80 | | 49 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Phenanthrene | 100 | | 9.8 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Pyrene | 100 | | 25 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 50 | | 30 - 130 | 04/08/13 09:32 | 04/09/13 17:48 | 1 |

Client Sample ID: CV1056A-CSD

Lab Sample ID: 680-88811-67

Date Collected: 03/28/13 13:47

Matrix: Solid

Date Received: 03/29/13 09:45

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 | 480 | U | 480 | 95 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Anthracene | 150 | | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[a]anthracene | 270 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[a]pyrene | 42 | J | 49 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[b]fluoranthene | 510 | | 58 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[g,h,i]perylene | 370 | | 95 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[k]fluoranthene | 200 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Chrysene | 360 | | 43 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Dibenz(a,h)anthracene | 100 | | 95 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Fluoranthene | 380 | | 95 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Fluorene | 95 | U | 95 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Indeno[1,2,3-cd]pyrene | 410 | | 95 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| 1-Methylnaphthalene | 220 | | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| 2-Methylnaphthalene | 230 | | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Naphthalene | 190 | | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Phenanthrene | 340 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Pyrene | 420 | | 95 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | 04/08/13 09:32 | 04/09/13 19:33 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1056B-CS

Lab Sample ID: 680-88811-68

Date Collected: 03/28/13 13:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 460 | U | 460 | 93 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Acenaphthylene | 190 | U | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Anthracene | 180 | | 39 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[a]anthracene | 500 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[a]pyrene | 310 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[b]fluoranthene | 790 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[g,h,i]perylene | 480 | | 93 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[k]fluoranthene | 370 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Chrysene | 600 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Dibenz(a,h)anthracene | 130 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Fluoranthene | 820 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Indeno[1,2,3-cd]pyrene | 560 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| 1-Methylnaphthalene | 190 | U | 190 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Naphthalene | 190 | U | 190 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Phenanthrene | 350 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Pyrene | 870 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 53 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 19:48 | 4 |

Client Sample ID: CV1124A-CS

Lab Sample ID: 680-88811-69

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Anthracene | 40 | U | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[a]anthracene | 210 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[a]pyrene | 50 | U | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[b]fluoranthene | 400 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[g,h,i]perylene | 230 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[k]fluoranthene | 120 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Chrysene | 250 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Dibenz(a,h)anthracene | 68 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Fluoranthene | 320 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Fluorene | 96 | U | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Indeno[1,2,3-cd]pyrene | 340 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| 1-Methylnaphthalene | 190 | U | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Naphthalene | 190 | U | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Phenanthrene | 260 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Pyrene | 310 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 76 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:03 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1124B-CS

Lab Sample ID: 680-88811-70

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 79.7

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 | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Acenaphthylene | 51 | | 50 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Anthracene | 45 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[a]anthracene | 84 | | 10 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[a]pyrene | 28 | | 13 | 6.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[b]fluoranthene | 160 | | 15 | 7.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[g,h,i]perylene | 94 | | 25 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[k]fluoranthene | 62 | | 10 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Chrysene | 130 | | 11 | 5.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Dibenz(a,h)anthracene | 22 | J | 25 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Fluoranthene | 110 | | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Fluorene | 25 | U | 25 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 100 | | 25 | 8.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| 1-Methylnaphthalene | 49 | J | 50 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| 2-Methylnaphthalene | 48 | J | 50 | 8.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Naphthalene | 54 | | 50 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Phenanthrene | 98 | | 10 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Pyrene | 120 | | 25 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 53 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:18 | 1 |

Client Sample ID: CV1126A-CS

Lab Sample ID: 680-88811-71

Date Collected: 03/28/13 13:35

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Acenaphthylene | 45 | | 45 | 5.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Anthracene | 42 | | 9.5 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[a]anthracene | 140 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[a]pyrene | 120 | | 12 | 5.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[b]fluoranthene | 280 | | 14 | 6.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[g,h,i]perylene | 160 | | 23 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[k]fluoranthene | 120 | | 9.1 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Chrysene | 200 | | 10 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Dibenz(a,h)anthracene | 46 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Fluoranthene | 250 | | 23 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Fluorene | 23 | U | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 180 | | 23 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| 1-Methylnaphthalene | 33 | J | 45 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| 2-Methylnaphthalene | 32 | J | 45 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Naphthalene | 38 | J | 45 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Phenanthrene | 110 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Pyrene | 240 | | 23 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 52 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:33 | 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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1126B-CS

Lab Sample ID: 680-88811-72

Date Collected: 03/28/13 13:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.5

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 | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Acenaphthylene | 48 | U | 48 | 6.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Anthracene | 10 | U | 10 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[a]anthracene | 39 | | 9.6 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[a]pyrene | 12 | U | 12 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[b]fluoranthene | 82 | | 15 | 7.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[g,h,i]perylene | 41 | | 24 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[k]fluoranthene | 18 | | 9.6 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Chrysene | 55 | | 11 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Dibenz(a,h)anthracene | 15 | J | 24 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Fluoranthene | 50 | | 24 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Fluorene | 24 | U | 24 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 66 | | 24 | 8.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| 1-Methylnaphthalene | 35 | J | 48 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| 2-Methylnaphthalene | 36 | J | 48 | 8.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Naphthalene | 45 | J | 48 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Phenanthrene | 56 | | 9.6 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Pyrene | 48 | | 24 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 60 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:49 | 1 |

Client Sample ID: CV1138A-CS

Lab Sample ID: 680-88811-73

Date Collected: 03/28/13 12:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.3

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Acenaphthylene | 49 | | 46 | 5.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Anthracene | 59 | | 9.6 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[a]anthracene | 930 | | 9.2 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[a]pyrene | 1600 | | 12 | 6.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[b]fluoranthene | 2900 | | 14 | 7.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[g,h,i]perylene | 1800 | | 23 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[k]fluoranthene | 780 | | 9.2 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Chrysene | 1200 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Dibenz(a,h)anthracene | 720 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Fluoranthene | 510 | | 23 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Fluorene | 23 | U | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Indeno[1,2,3-cd]pyrene | 1600 | | 23 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| 1-Methylnaphthalene | 50 | | 46 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| 2-Methylnaphthalene | 52 | | 46 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Naphthalene | 53 | | 46 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Phenanthrene | 160 | | 9.2 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Pyrene | 570 | | 23 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 45 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:04 | 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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1138B-CS

Lab Sample ID: 680-88811-74

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 94 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Acenaphthylene | 190 | U | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Anthracene | 160 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[a]anthracene | 1100 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[a]pyrene | 1800 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[b]fluoranthene | 3400 | | 57 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[g,h,i]perylene | 2000 | | 94 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[k]fluoranthene | 1400 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Chrysene | 1600 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Dibenz(a,h)anthracene | 790 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Fluoranthene | 740 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Fluorene | 94 | U | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Indeno[1,2,3-cd]pyrene | 1900 | | 94 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| 1-Methylnaphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| 2-Methylnaphthalene | 160 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Phenanthrene | 340 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Pyrene | 840 | | 94 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 69 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:19 | 4 |

Client Sample ID: CV1140A-CS

Lab Sample ID: 680-88811-75

Date Collected: 03/28/13 13:10

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 88.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Acenaphthylene | 48 | | 44 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Anthracene | 49 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[a]anthracene | 170 | | 8.9 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[a]pyrene | 200 | | 12 | 5.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[b]fluoranthene | 430 | | 14 | 6.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[g,h,i]perylene | 280 | | 22 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[k]fluoranthene | 170 | | 8.9 | 4.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Chrysene | 230 | | 10 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Dibenz(a,h)anthracene | 92 | | 22 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Fluoranthene | 170 | | 22 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Fluorene | 22 | U | 22 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Indeno[1,2,3-cd]pyrene | 250 | | 22 | 7.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| 1-Methylnaphthalene | 51 | | 44 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| 2-Methylnaphthalene | 52 | | 44 | 7.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Naphthalene | 48 | | 44 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Phenanthrene | 95 | | 8.9 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Pyrene | 190 | | 22 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 52 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:34 | 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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1140B-CS

Lab Sample ID: 680-88811-76

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.8

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 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Acenaphthylene | 47 | U | 47 | 5.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Anthracene | 41 | | 9.9 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[a]anthracene | 96 | | 9.4 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[a]pyrene | 62 | | 12 | 6.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[b]fluoranthene | 210 | | 14 | 7.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[g,h,i]perylene | 120 | | 23 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[k]fluoranthene | 84 | | 9.4 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Chrysene | 130 | | 11 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Dibenz(a,h)anthracene | 43 | | 23 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Fluoranthene | 100 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Fluorene | 23 | U | 23 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 130 | | 23 | 8.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| 1-Methylnaphthalene | 57 | | 47 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| 2-Methylnaphthalene | 60 | | 47 | 8.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Naphthalene | 52 | | 47 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Phenanthrene | 85 | | 9.4 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Pyrene | 110 | | 23 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 34 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:49 | 1 |

Client Sample ID: CV1052A-CS

Lab Sample ID: 680-88811-77

Date Collected: 03/28/13 14:40

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Anthracene | 40 | U | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[a]anthracene | 540 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[a]pyrene | 620 | | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[b]fluoranthene | 1600 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[g,h,i]perylene | 960 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[k]fluoranthene | 490 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Chrysene | 810 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Dibenz(a,h)anthracene | 360 | | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Fluoranthene | 530 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Fluorene | 96 | U | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Indeno[1,2,3-cd]pyrene | 970 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| 1-Methylnaphthalene | 150 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Naphthalene | 160 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Phenanthrene | 320 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Pyrene | 530 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 66 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 22:04 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1052B-CS

Lab Sample ID: 680-88811-78

Date Collected: 03/28/13 14:50

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Acenaphthylene | 36 | J | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Anthracene | 42 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[a]anthracene | 340 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[a]pyrene | 270 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[b]fluoranthene | 530 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[g,h,i]perylene | 330 | | 93 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[k]fluoranthene | 240 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Chrysene | 350 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Dibenz(a,h)anthracene | 120 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Fluoranthene | 360 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Indeno[1,2,3-cd]pyrene | 350 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| 1-Methylnaphthalene | 68 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| 2-Methylnaphthalene | 71 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Naphthalene | 48 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Phenanthrene | 220 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Pyrene | 320 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 69 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 13:42 | 4 |

Client Sample ID: CV1054A-CS

Lab Sample ID: 680-88811-79

Date Collected: 03/28/13 14:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.9

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Acenaphthylene | 42 | J | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Anthracene | 70 | | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[a]anthracene | 300 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[a]pyrene | 320 | | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[b]fluoranthene | 460 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[g,h,i]perylene | 260 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[k]fluoranthene | 120 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Chrysene | 390 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Dibenz(a,h)anthracene | 95 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Fluoranthene | 480 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Fluorene | 30 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Indeno[1,2,3-cd]pyrene | 160 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| 1-Methylnaphthalene | 130 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| 2-Methylnaphthalene | 150 | J | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Naphthalene | 110 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Phenanthrene | 380 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Pyrene | 430 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 14:00 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1054B-CS

Lab Sample ID: 680-88811-80

Date Collected: 03/28/13 14:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 76.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 160 | J | 530 | 110 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Acenaphthylene | 83 | J | 210 | 26 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Anthracene | 210 | | 44 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[a]anthracene | 970 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[a]pyrene | 690 | | 55 | 27 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[b]fluoranthene | 1200 | | 65 | 32 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[g,h,i]perylene | 530 | | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[k]fluoranthene | 470 | | 42 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Chrysene | 890 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Dibenz(a,h)anthracene | 220 | | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Fluoranthene | 1700 | | 110 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Fluorene | 110 | | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Indeno[1,2,3-cd]pyrene | 470 | | 110 | 38 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| 1-Methylnaphthalene | 210 | | 210 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| 2-Methylnaphthalene | 150 | J | 210 | 38 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Naphthalene | 150 | J | 210 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Phenanthrene | 1300 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Pyrene | 1400 | | 110 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 74 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 14:19 | 4 |

Client Sample ID: CV1136A-CS

Lab Sample ID: 680-88811-81

Date Collected: 03/28/13 14:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Acenaphthylene | 180 | J | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Anthracene | 180 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[a]anthracene | 390 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[a]pyrene | 130 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[b]fluoranthene | 700 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[g,h,i]perylene | 420 | | 93 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[k]fluoranthene | 250 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Chrysene | 590 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Dibenz(a,h)anthracene | 140 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Fluoranthene | 540 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Indeno[1,2,3-cd]pyrene | 450 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| 1-Methylnaphthalene | 270 | | 190 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| 2-Methylnaphthalene | 290 | | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Naphthalene | 220 | | 190 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Phenanthrene | 440 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Pyrene | 660 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 64 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 13:42 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1141A-CS

Lab Sample ID: 680-88811-82

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Acenaphthylene | 200 | | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Anthracene | 280 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[a]anthracene | 1600 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[a]pyrene | 1700 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[b]fluoranthene | 2700 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[g,h,i]perylene | 2100 | | 93 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[k]fluoranthene | 1300 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Chrysene | 1700 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Dibenz(a,h)anthracene | 470 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Fluoranthene | 2900 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Indeno[1,2,3-cd]pyrene | 2000 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| 1-Methylnaphthalene | 130 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| 2-Methylnaphthalene | 140 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Phenanthrene | 1200 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Pyrene | 2900 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 13:57 | 4 |

Client Sample ID: CV1141A-CSD

Lab Sample ID: 680-88811-83

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 85.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 94 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Acenaphthylene | 190 | | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Anthracene | 230 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[a]anthracene | 1200 | | 38 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[a]pyrene | 1300 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[b]fluoranthene | 2300 | | 57 | 29 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[g,h,i]perylene | 1700 | | 94 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[k]fluoranthene | 860 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Chrysene | 1400 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Dibenz(a,h)anthracene | 380 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Fluoranthene | 2100 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Fluorene | 94 | U | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Indeno[1,2,3-cd]pyrene | 1600 | | 94 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| 1-Methylnaphthalene | 140 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| 2-Methylnaphthalene | 150 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Phenanthrene | 780 | | 38 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Pyrene | 2300 | | 94 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 55 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 14:12 | 4 |

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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1058A-CS

Lab Sample ID: 680-88811-84

Date Collected: 03/28/13 15:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.5

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 450 | U | 450 | 90 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Acenaphthylene | 180 | U | 180 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Anthracene | 170 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[a]anthracene | 780 | | 36 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[a]pyrene | 920 | | 47 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[b]fluoranthene | 1900 | | 55 | 27 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[g,h,i]perylene | 1400 | | 90 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[k]fluoranthene | 680 | | 36 | 16 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Chrysene | 980 | | 41 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Dibenz(a,h)anthracene | 450 | | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Fluoranthene | 830 | | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Fluorene | 90 | U | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Indeno[1,2,3-cd]pyrene | 1300 | | 90 | 32 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| 1-Methylnaphthalene | 140 | J | 180 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| 2-Methylnaphthalene | 160 | J | 180 | 32 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Naphthalene | 160 | J | 180 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Phenanthrene | 420 | | 36 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Pyrene | 950 | | 90 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 68 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 14:27 | 4 |

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: 680-88811-4

SDG Number: 68088811-4

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
4/10/2013 5:37 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/10/2013

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.

Savannah Certifications and ID #: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN: C-GA-02; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-4

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.6 and 3.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1127B-CS (680-88811-62), CV1056A-CSD (680-88811-67), CV1056B-CS (680-88811-68), CV1124A-CS (680-88811-69), CV1124B-CS (680-88811-70), CV1126A-CS (680-88811-71), CV1126B-CS (680-88811-72), CV1138A-CS (680-88811-73), CV1138B-CS (680-88811-74), CV1140A-CS (680-88811-75), CV1140B-CS (680-88811-76), CV1052A-CS (680-88811-77), CV1052B-CS (680-88811-78), CV1054A-CS (680-88811-79), CV1054B-CS (680-88811-80), CV1136A-CS (680-88811-81), CV1141A-CS (680-88811-82), CV1141A-CSD (680-88811-83) and CV1058A-CS (680-88811-84) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013 and 04/10/2013.

Samples CV1056A-CSD (680-88811-67)[4X], CV1056B-CS (680-88811-68)[4X], CV1124A-CS (680-88811-69)[4X], CV1138B-CS (680-88811-74)[4X], CV1052A-CS (680-88811-77)[4X], CV1052B-CS (680-88811-78)[4X], CV1054A-CS (680-88811-79)[4X], CV1054B-CS (680-88811-80)[4X], CV1136A-CS (680-88811-81)[4X], CV1141A-CS (680-88811-82)[4X], CV1141A-CSD (680-88811-83) [4X] and CV1058A-CS (680-88811-84)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

Sdg Number: 68088811-4

| Lab Sample ID | Client Sample ID | Client Matrix | Date/Time Sampled | Date/Time Received |
|----------------------|-------------------------|----------------------|------------------------------|-------------------------------|
| 680-88811-62 | CV1127B-CS | Solid | 03/28/2013 1038 | 03/29/2013 0945 |
| 680-88811-62MS | CV1127B-CS | Solid | 03/28/2013 1038 | 03/29/2013 0945 |
| 680-88811-62MSD | CV1127B-CS | Solid | 03/28/2013 1038 | 03/29/2013 0945 |
| 680-88811-67 | CV1056A-CSD | Solid | 03/28/2013 1347 | 03/29/2013 0945 |
| 680-88811-68 | CV1056B-CS | Solid | 03/28/2013 1355 | 03/29/2013 0945 |
| 680-88811-69 | CV1124A-CS | Solid | 03/28/2013 1305 | 03/29/2013 0945 |
| 680-88811-70 | CV1124B-CS | Solid | 03/28/2013 1315 | 03/29/2013 0945 |
| 680-88811-71 | CV1126A-CS | Solid | 03/28/2013 1335 | 03/29/2013 0945 |
| 680-88811-72 | CV1126B-CS | Solid | 03/28/2013 1345 | 03/29/2013 0945 |
| 680-88811-73 | CV1138A-CS | Solid | 03/28/2013 1255 | 03/29/2013 0945 |
| 680-88811-74 | CV1138B-CS | Solid | 03/28/2013 1305 | 03/29/2013 0945 |
| 680-88811-75 | CV1140A-CS | Solid | 03/28/2013 1310 | 03/29/2013 0945 |
| 680-88811-76 | CV1140B-CS | Solid | 03/28/2013 1315 | 03/29/2013 0945 |
| 680-88811-77 | CV1052A-CS | Solid | 03/28/2013 1440 | 03/29/2013 0945 |
| 680-88811-78 | CV1052B-CS | Solid | 03/28/2013 1450 | 03/29/2013 0945 |
| 680-88811-79 | CV1054A-CS | Solid | 03/28/2013 1405 | 03/29/2013 0945 |
| 680-88811-80 | CV1054B-CS | Solid | 03/28/2013 1415 | 03/29/2013 0945 |
| 680-88811-81 | CV1136A-CS | Solid | 03/28/2013 1455 | 03/29/2013 0945 |
| 680-88811-82 | CV1141A-CS | Solid | 03/28/2013 1445 | 03/29/2013 0945 |
| 680-88811-83 | CV1141A-CSD | Solid | 03/28/2013 1445 | 03/29/2013 0945 |
| 680-88811-84 | CV1058A-CS | Solid | 03/28/2013 1515 | 03/29/2013 0945 |

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

Sdg Number: 68088811-4

| 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: 680-88811-4

Sdg Number: 68088811-4

| 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: 680-88811-4

Sdg Number: 68088811-4

| Lab Section | Qualifier | Description |
|--------------------|------------------|--|
| GC/MS Semi VOA | U | Indicates the analyte was analyzed for but not detected. |
| | 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: 680-88811-4

Sdg Number: 68088811-4

QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|-------------------------------|------------------------|-----------------|---------------|--------|------------|
| GC/MS Semi VOA | | | | | |
| Prep Batch: 660-136204 | | | | | |
| LCS 660-136204/2-A | Lab Control Sample | T | Solid | 3546 | |
| MB 660-136204/1-A | Method Blank | T | Solid | 3546 | |
| 680-88811-62 | CV1127B-CS | T | Solid | 3546 | |
| 680-88811-62MS | Matrix Spike | T | Solid | 3546 | |
| 680-88811-62MSD | Matrix Spike Duplicate | T | Solid | 3546 | |
| 680-88811-67 | CV1056A-CSD | T | Solid | 3546 | |
| 680-88811-68 | CV1056B-CS | T | Solid | 3546 | |
| 680-88811-69 | CV1124A-CS | T | Solid | 3546 | |
| 680-88811-70 | CV1124B-CS | T | Solid | 3546 | |
| 680-88811-71 | CV1126A-CS | T | Solid | 3546 | |
| 680-88811-72 | CV1126B-CS | T | Solid | 3546 | |
| 680-88811-73 | CV1138A-CS | T | Solid | 3546 | |
| 680-88811-74 | CV1138B-CS | T | Solid | 3546 | |
| 680-88811-75 | CV1140A-CS | T | Solid | 3546 | |
| 680-88811-76 | CV1140B-CS | T | Solid | 3546 | |
| 680-88811-77 | CV1052A-CS | T | Solid | 3546 | |
| 680-88811-78 | CV1052B-CS | T | Solid | 3546 | |
| 680-88811-79 | CV1054A-CS | T | Solid | 3546 | |
| 680-88811-80 | CV1054B-CS | T | Solid | 3546 | |
| Prep Batch: 660-136235 | | | | | |
| LCS 660-136235/2-A | Lab Control Sample | T | Solid | 3546 | |
| MB 660-136235/1-A | Method Blank | T | Solid | 3546 | |
| 680-88811-81 | CV1136A-CS | T | Solid | 3546 | |
| 680-88811-82 | CV1141A-CS | T | Solid | 3546 | |
| 680-88811-83 | CV1141A-CSD | T | Solid | 3546 | |
| 680-88811-84 | CV1058A-CS | T | Solid | 3546 | |
| 680-88913-A-2-B MS | Matrix Spike | T | Solid | 3546 | |
| 680-88913-A-2-C MSD | Matrix Spike Duplicate | T | Solid | 3546 | |

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

Sdg Number: 68088811-4

QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|----------------------------------|------------------------|-----------------|---------------|----------|------------|
| GC/MS Semi VOA | | | | | |
| Analysis Batch:660-136269 | | | | | |
| LCS 660-136204/2-A | Lab Control Sample | T | Solid | 8270C LL | 660-136204 |
| MB 660-136204/1-A | Method Blank | T | Solid | 8270C LL | 660-136204 |
| 680-88811-62 | CV1127B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-62MS | Matrix Spike | T | Solid | 8270C LL | 660-136204 |
| 680-88811-62MSD | Matrix Spike Duplicate | T | Solid | 8270C LL | 660-136204 |
| 680-88811-67 | CV1056A-CSD | T | Solid | 8270C LL | 660-136204 |
| 680-88811-68 | CV1056B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-69 | CV1124A-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-70 | CV1124B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-71 | CV1126A-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-72 | CV1126B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-73 | CV1138A-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-74 | CV1138B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-75 | CV1140A-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-76 | CV1140B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-77 | CV1052A-CS | T | Solid | 8270C LL | 660-136204 |
| Analysis Batch:660-136309 | | | | | |
| LCS 660-136235/2-A | Lab Control Sample | T | Solid | 8270C LL | 660-136235 |
| 680-88811-78 | CV1052B-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-79 | CV1054A-CS | T | Solid | 8270C LL | 660-136204 |
| 680-88811-80 | CV1054B-CS | T | Solid | 8270C LL | 660-136204 |
| Analysis Batch:660-136318 | | | | | |
| MB 660-136235/1-A | Method Blank | T | Solid | 8270C LL | 660-136235 |
| 680-88811-81 | CV1136A-CS | T | Solid | 8270C LL | 660-136235 |
| 680-88811-82 | CV1141A-CS | T | Solid | 8270C LL | 660-136235 |
| 680-88811-83 | CV1141A-CSD | T | Solid | 8270C LL | 660-136235 |
| 680-88811-84 | CV1058A-CS | T | Solid | 8270C LL | 660-136235 |
| 680-88913-A-2-B MS | Matrix Spike | T | Solid | 8270C LL | 660-136235 |
| 680-88913-A-2-C MSD | Matrix Spike Duplicate | T | Solid | 8270C LL | 660-136235 |

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

Sdg Number: 68088811-4

QC Association Summary

| Lab Sample ID | Client Sample ID | Report Basis | Client Matrix | Method | Prep Batch |
|----------------------------------|------------------------------|-----------------|---------------|----------|------------|
| General Chemistry | | | | | |
| Analysis Batch:660-135964 | | | | | |
| 680-88811-A-44 MS | Matrix Spike | T | Solid | Moisture | |
| 680-88811-A-44 MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-88811-62 | CV1127B-CS | T | Solid | Moisture | |
| 680-88811-62MS | Matrix Spike | T | Solid | Moisture | |
| 680-88811-62MSD | Matrix Spike Duplicate | T | Solid | Moisture | |
| 680-88811-68 | CV1056B-CS | T | Solid | Moisture | |
| 680-88811-74 | CV1138B-CS | T | Solid | Moisture | |
| 680-88811-76 | CV1140B-CS | T | Solid | Moisture | |
| 680-88811-77 | CV1052A-CS | T | Solid | Moisture | |
| 680-88811-79 | CV1054A-CS | T | Solid | Moisture | |
| 680-88811-80 | CV1054B-CS | T | Solid | Moisture | |
| 680-88811-81 | CV1136A-CS | T | Solid | Moisture | |
| 680-88811-82 | CV1141A-CS | T | Solid | Moisture | |
| 680-88811-83 | CV1141A-CSD | T | Solid | Moisture | |
| Analysis Batch:660-135977 | | | | | |
| 680-88811-67 | CV1056A-CSD | T | Solid | Moisture | |
| 680-88811-69 | CV1124A-CS | T | Solid | Moisture | |
| 680-88811-70 | CV1124B-CS | T | Solid | Moisture | |
| 680-88811-71 | CV1126A-CS | T | Solid | Moisture | |
| 680-88811-72 | CV1126B-CS | T | Solid | Moisture | |
| 680-88811-78 | CV1052B-CS | T | Solid | Moisture | |
| 680-88811-84 | CV1058A-CS | T | Solid | Moisture | |
| Analysis Batch:660-135992 | | | | | |
| LCS 660-135992/1 | Lab Control Sample | T | Solid | Moisture | |
| LCSD 660-135992/22 | Lab Control Sample Duplicate | T | Solid | Moisture | |
| 680-88811-73 | CV1138A-CS | T | Solid | Moisture | |
| 680-88811-75 | CV1140A-CS | T | Solid | Moisture | |

Report Basis

T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Analysis Batch Number: 136269Lab Sample ID: IC 660-136269/5 Client Sample ID: _____Date Analyzed: 04/09/13 11:04 Lab File ID: 1AD09005.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Dibenz(a,h)anthracene | 8.47 | Baseline Event | cantins | 04/09/13 12:30 |
| Benzo[g,h,i]perylene | 8.65 | Baseline Event | cantins | 04/09/13 12:31 |

Lab Sample ID: IC 660-136269/6 Client Sample ID: _____Date Analyzed: 04/09/13 11:19 Lab File ID: 1AD09006.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Dibenz(a,h)anthracene | 8.46 | Baseline Event | cantins | 04/09/13 12:31 |

Lab Sample ID: IC 660-136269/9 Client Sample ID: _____Date Analyzed: 04/09/13 12:03 Lab File ID: 1AD09009.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|----------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[k]fluoranthene | 7.44 | Baseline Event | cantins | 04/09/13 12:32 |

Lab Sample ID: 680-88811-62 Client Sample ID: CV1127B-CSDate Analyzed: 04/09/13 17:48 Lab File ID: 1AD09019.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.41 | Split Peak | cantins | 04/10/13 12:04 |
| Benzo[k]fluoranthene | 7.42 | Baseline Event | cantins | 04/10/13 12:04 |
| Indeno[1,2,3-cd]pyrene | 8.45 | Split Peak | cantins | 04/10/13 12:05 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Analysis Batch Number: 136269Lab Sample ID: 680-88811-67 Client Sample ID: CV1056A-CSDDate Analyzed: 04/09/13 19:33 Lab File ID: 1AD09026.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.41 | Split Peak | cantins | 04/10/13 12:14 |
| Benzo[k]fluoranthene | 7.42 | Baseline Event | cantins | 04/10/13 12:14 |
| Indeno[1,2,3-cd]pyrene | 8.46 | Split Peak | cantins | 04/10/13 12:14 |

Lab Sample ID: 680-88811-68 Client Sample ID: CV1056B-CSDate Analyzed: 04/09/13 19:48 Lab File ID: 1AD09027.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.41 | Split Peak | cantins | 04/10/13 12:14 |
| Benzo[k]fluoranthene | 7.42 | Baseline Event | cantins | 04/10/13 12:15 |
| Indeno[1,2,3-cd]pyrene | 8.46 | Split Peak | cantins | 04/10/13 12:15 |

Lab Sample ID: 680-88811-69 Client Sample ID: CV1124A-CSDate Analyzed: 04/09/13 20:03 Lab File ID: 1AD09028.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:00 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:00 |
| Indeno[1,2,3-cd]pyrene | 8.46 | Split Peak | cantins | 04/10/13 12:15 |

Lab Sample ID: 680-88811-70 Client Sample ID: CV1124B-CSDate Analyzed: 04/09/13 20:18 Lab File ID: 1AD09029.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.41 | Split Peak | cantins | 04/10/13 12:16 |
| Benzo[k]fluoranthene | 7.42 | Baseline Event | cantins | 04/10/13 12:16 |
| Indeno[1,2,3-cd]pyrene | 8.46 | Split Peak | cantins | 04/10/13 12:17 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Analysis Batch Number: 136269Lab Sample ID: 680-88811-71 Client Sample ID: CV1126A-CSDate Analyzed: 04/09/13 20:33 Lab File ID: 1AD09030.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:17 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:17 |
| Indeno[1,2,3-cd]pyrene | 8.46 | Split Peak | cantins | 04/10/13 12:17 |

Lab Sample ID: 680-88811-72 Client Sample ID: CV1126B-CSDate Analyzed: 04/09/13 20:49 Lab File ID: 1AD09031.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:19 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:19 |
| Indeno[1,2,3-cd]pyrene | 8.47 | Split Peak | cantins | 04/10/13 12:20 |

Lab Sample ID: 680-88811-73 Client Sample ID: CV1138A-CSDate Analyzed: 04/09/13 21:04 Lab File ID: 1AD09032.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.43 | Split Peak | cantins | 04/10/13 12:20 |
| Benzo[k]fluoranthene | 7.44 | Baseline Event | cantins | 04/10/13 12:20 |
| Indeno[1,2,3-cd]pyrene | 8.49 | Split Peak | cantins | 04/10/13 12:21 |

Lab Sample ID: 680-88811-74 Client Sample ID: CV1138B-CSDate Analyzed: 04/09/13 21:19 Lab File ID: 1AD09033.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:21 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:21 |
| Indeno[1,2,3-cd]pyrene | 8.47 | Split Peak | cantins | 04/10/13 12:22 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Analysis Batch Number: 136269Lab Sample ID: 680-88811-75 Client Sample ID: CV1140A-CSDate Analyzed: 04/09/13 21:34 Lab File ID: 1AD09034.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:22 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:22 |
| Indeno[1,2,3-cd]pyrene | 8.47 | Split Peak | cantins | 04/10/13 12:23 |

Lab Sample ID: 680-88811-76 Client Sample ID: CV1140B-CSDate Analyzed: 04/09/13 21:49 Lab File ID: 1AD09035.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:23 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:23 |
| Indeno[1,2,3-cd]pyrene | 8.47 | Split Peak | cantins | 04/10/13 12:24 |

Lab Sample ID: 680-88811-77 Client Sample ID: CV1052A-CSDate Analyzed: 04/09/13 22:04 Lab File ID: 1AD09036.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.42 | Split Peak | cantins | 04/10/13 12:24 |
| Benzo[k]fluoranthene | 7.43 | Baseline Event | cantins | 04/10/13 12:24 |
| Indeno[1,2,3-cd]pyrene | 8.47 | Split Peak | cantins | 04/10/13 12:24 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Analysis Batch Number: 136318Lab Sample ID: 680-88811-81 Client Sample ID: CV1136A-CSDate Analyzed: 04/10/13 13:42 Lab File ID: 1AD10007.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.39 | Split Peak | cantins | 04/10/13 15:46 |
| Benzo[k]fluoranthene | 7.40 | Baseline Event | cantins | 04/10/13 15:46 |
| Indeno[1,2,3-cd]pyrene | 8.42 | Split Peak | cantins | 04/10/13 15:47 |

Lab Sample ID: 680-88811-82 Client Sample ID: CV1141A-CSDate Analyzed: 04/10/13 13:57 Lab File ID: 1AD10008.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.39 | Split Peak | cantins | 04/10/13 15:48 |
| Benzo[k]fluoranthene | 7.40 | Baseline Event | cantins | 04/10/13 15:48 |
| Indeno[1,2,3-cd]pyrene | 8.42 | Split Peak | cantins | 04/10/13 15:49 |

Lab Sample ID: 680-88811-83 Client Sample ID: CV1141A-CSDDate Analyzed: 04/10/13 14:12 Lab File ID: 1AD10009.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.39 | Split Peak | cantins | 04/10/13 15:50 |
| Benzo[k]fluoranthene | 7.41 | Baseline Event | cantins | 04/10/13 15:50 |
| Indeno[1,2,3-cd]pyrene | 8.43 | Split Peak | cantins | 04/10/13 15:50 |

Lab Sample ID: 680-88811-84 Client Sample ID: CV1058A-CSDate Analyzed: 04/10/13 14:27 Lab File ID: 1AD10010.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 7.39 | Split Peak | cantins | 04/10/13 15:51 |
| Benzo[k]fluoranthene | 7.40 | Baseline Event | cantins | 04/10/13 15:51 |
| Indeno[1,2,3-cd]pyrene | 8.43 | Split Peak | cantins | 04/10/13 15:52 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMC5973 Analysis Batch Number: 136048Lab Sample ID: IC 660-136048/5 Client Sample ID: _____Date Analyzed: 04/02/13 13:26 Lab File ID: 1CD02005.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|-----------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Dibenz(a,h)anthracene | 10.09 | Baseline Event | cantins | 04/02/13 15:44 |

Lab Sample ID: IC 660-136048/6 Client Sample ID: _____Date Analyzed: 04/02/13 13:44 Lab File ID: 1CD02006.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.01 | Split Peak | cantins | 04/02/13 15:45 |

Lab Sample ID: IC 660-136048/7 Client Sample ID: _____Date Analyzed: 04/02/13 14:02 Lab File ID: 1CD02007.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.00 | Split Peak | cantins | 04/02/13 15:48 |

Lab Sample ID: IC 660-136048/8 Client Sample ID: _____Date Analyzed: 04/02/13 14:20 Lab File ID: 1CD02008.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.00 | Split Peak | cantins | 04/02/13 15:49 |

Lab Sample ID: ICIS 660-136048/9 Client Sample ID: _____Date Analyzed: 04/02/13 14:39 Lab File ID: 1CD02009.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.01 | Split Peak | cantins | 04/02/13 15:39 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Instrument ID: BSMC5973 Analysis Batch Number: 136048

Lab Sample ID: IC 660-136048/10 Client Sample ID: _____

Date Analyzed: 04/02/13 14:57 Lab File ID: 1CD02010.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.01 | Split Peak | cantins | 04/02/13 15:50 |

Lab Sample ID: IC 660-136048/11 Client Sample ID: _____

Date Analyzed: 04/02/13 15:15 Lab File ID: 1CD02011.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.02 | Split Peak | cantins | 04/02/13 15:51 |

Lab Sample ID: ICV 660-136048/12 Client Sample ID: _____

Date Analyzed: 04/02/13 15:34 Lab File ID: 1CD02012.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 10.01 | Split Peak | cantins | 04/02/13 15:57 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMC5973 Analysis Batch Number: 136309Lab Sample ID: CCVIS 660-136309/3 Client Sample ID: _____Date Analyzed: 04/10/13 12:10 Lab File ID: 1CD10003.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 9.94 | Split Peak | cantins | 04/10/13 12:26 |

Lab Sample ID: 680-88811-78 Client Sample ID: CV1052B-CSDate Analyzed: 04/10/13 13:42 Lab File ID: 1CD10008.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 8.47 | Split Peak | cantins | 04/10/13 15:03 |
| Benzo[k]fluoranthene | 8.48 | Baseline Event | cantins | 04/10/13 15:03 |
| Indeno[1,2,3-cd]pyrene | 9.93 | Split Peak | cantins | 04/10/13 15:04 |
| Dibenz(a,h)anthracene | 9.95 | Baseline Event | cantins | 04/10/13 15:03 |

Lab Sample ID: 680-88811-79 Client Sample ID: CV1054A-CSDate Analyzed: 04/10/13 14:00 Lab File ID: 1CD10009.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Benzo[b]fluoranthene | 8.47 | Split Peak | cantins | 04/10/13 15:05 |
| Benzo[k]fluoranthene | 8.49 | Baseline Event | cantins | 04/10/13 15:05 |
| Indeno[1,2,3-cd]pyrene | 9.93 | Split Peak | cantins | 04/10/13 15:06 |

Lab Sample ID: 680-88811-80 Client Sample ID: CV1054B-CSDate Analyzed: 04/10/13 14:19 Lab File ID: 1CD10010.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 9.94 | Split Peak | cantins | 04/10/13 15:07 |
| Benzo[g,h,i]perylene | 10.27 | Baseline Event | cantins | 04/10/13 15:06 |

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Instrument ID: BSMC5973 Analysis Batch Number: 136309
 Lab Sample ID: LCS 660-136235/2-A Client Sample ID: _____
 Date Analyzed: 04/10/13 16:05 Lab File ID: 1CD10014.D GC Column: DB-5MS ID: 250 (um)

| COMPOUND NAME | RETENTION TIME | MANUAL INTEGRATION | | |
|------------------------|----------------|--------------------|---------|----------------|
| | | REASON | ANALYST | DATE |
| Indeno[1,2,3-cd]pyrene | 9.95 | Split Peak | cantins | 04/10/13 16:21 |

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.: 680-88811-4

SDG No.: 68088811-4

Matrix: Solid

Level: Low

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

| Client Sample ID | Lab Sample ID | OTPH # |
|------------------|------------------------|--------|
| CV1127B-CS | 680-88811-62 | 50 |
| CV1056A-CSD | 680-88811-67 | 71 |
| CV1056B-CS | 680-88811-68 | 53 |
| CV1124A-CS | 680-88811-69 | 76 |
| CV1124B-CS | 680-88811-70 | 53 |
| CV1126A-CS | 680-88811-71 | 52 |
| CV1126B-CS | 680-88811-72 | 60 |
| CV1138A-CS | 680-88811-73 | 45 |
| CV1138B-CS | 680-88811-74 | 69 |
| CV1140A-CS | 680-88811-75 | 52 |
| CV1140B-CS | 680-88811-76 | 34 |
| CV1052A-CS | 680-88811-77 | 66 |
| CV1052B-CS | 680-88811-78 | 69 |
| CV1054A-CS | 680-88811-79 | 79 |
| CV1054B-CS | 680-88811-80 | 74 |
| CV1136A-CS | 680-88811-81 | 64 |
| CV1141A-CS | 680-88811-82 | 71 |
| CV1141A-CSD | 680-88811-83 | 55 |
| CV1058A-CS | 680-88811-84 | 68 |
| | MB 660-136204/1-A | 65 |
| | MB 660-136235/1-A | 79 |
| | LCS 660-136204/2-A | 66 |
| | LCS 660-136235/2-A | 77 |
| | 680-88913-A-2-B MS | 57 |
| CV1127B-CS MS | 680-88811-62 MS | 50 |
| | 680-88913-A-2-C MSD | 58 |
| CV1127B-CS MSD | 680-88811-62 MSD | 59 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1AD09017.D
 Lab ID: LCS 660-136204/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Acenaphthene | 650 | 375 | 58 | 39-130 | |
| Acenaphthylene | 650 | 403 | 62 | 38-130 | |
| Anthracene | 650 | 412 | 63 | 37-130 | |
| Benzo[a]anthracene | 650 | 475 | 73 | 40-130 | |
| Benzo[a]pyrene | 650 | 435 | 67 | 49-130 | |
| Benzo[b]fluoranthene | 650 | 527 | 81 | 37-130 | |
| Benzo[g,h,i]perylene | 650 | 567 | 87 | 32-130 | |
| Benzo[k]fluoranthene | 650 | 497 | 76 | 32-130 | |
| Chrysene | 650 | 473 | 73 | 41-130 | |
| Dibenz(a,h)anthracene | 650 | 597 | 92 | 27-130 | |
| Fluoranthene | 650 | 446 | 69 | 40-130 | |
| Fluorene | 650 | 404 | 62 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 650 | 538 | 83 | 30-130 | |
| 1-Methylnaphthalene | 650 | 438 | 67 | 31-130 | |
| 2-Methylnaphthalene | 650 | 437 | 67 | 33-130 | |
| Naphthalene | 650 | 419 | 64 | 36-130 | |
| Phenanthrene | 650 | 405 | 62 | 42-130 | |
| Pyrene | 650 | 513 | 79 | 44-130 | |

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1CD10014.D
 Lab ID: LCS 660-136235/2-A Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | LCS CONCENTRATION (ug/Kg) | LCS % REC | QC LIMITS REC | # |
|------------------------|---------------------------|---------------------------------|-----------------|---------------------|---|
| Acenaphthene | 655 | 454 | 69 | 39-130 | |
| Acenaphthylene | 655 | 520 | 79 | 38-130 | |
| Anthracene | 655 | 482 | 73 | 37-130 | |
| Benzo[a]anthracene | 655 | 522 | 80 | 40-130 | |
| Benzo[a]pyrene | 655 | 466 | 71 | 49-130 | |
| Benzo[b]fluoranthene | 655 | 486 | 74 | 37-130 | |
| Benzo[g,h,i]perylene | 655 | 453 | 69 | 32-130 | |
| Benzo[k]fluoranthene | 655 | 519 | 79 | 32-130 | |
| Chrysene | 655 | 468 | 71 | 41-130 | |
| Dibenz(a,h)anthracene | 655 | 497 | 76 | 27-130 | |
| Fluoranthene | 655 | 493 | 75 | 40-130 | |
| Fluorene | 655 | 484 | 74 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 655 | 451 | 69 | 30-130 | |
| 1-Methylnaphthalene | 655 | 512 | 78 | 31-130 | |
| 2-Methylnaphthalene | 655 | 471 | 72 | 33-130 | |
| Naphthalene | 655 | 452 | 69 | 36-130 | |
| Phenanthrene | 655 | 436 | 67 | 42-130 | |
| Pyrene | 655 | 525 | 80 | 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.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1AD10013.D
 Lab ID: 680-88913-A-2-B MS Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| Acenaphthene | 1120 | 170 U | 576 | 51 | 39-130 | |
| Acenaphthylene | 1120 | 68 U | 602 | 54 | 38-130 | |
| Anthracene | 1120 | 14 U | 628 | 56 | 37-130 | |
| Benzo[a]anthracene | 1120 | 46 | 768 | 64 | 40-130 | |
| Benzo[a]pyrene | 1120 | 18 U | 715 | 64 | 49-130 | |
| Benzo[b]fluoranthene | 1120 | 65 | 819 | 67 | 37-130 | |
| Benzo[g,h,i]perylene | 1120 | 44 | 994 | 85 | 32-130 | |
| Benzo[k]fluoranthene | 1120 | 27 | 808 | 70 | 32-130 | |
| Chrysene | 1120 | 60 | 827 | 68 | 41-130 | |
| Dibenz(a,h)anthracene | 1120 | 14 J | 1020 | 89 | 27-130 | |
| Fluoranthene | 1120 | 57 | 689 | 56 | 40-130 | |
| Fluorene | 1120 | 34 U | 602 | 54 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 1120 | 82 | 931 | 76 | 30-130 | |
| 1-Methylnaphthalene | 1120 | 61 J | 694 | 56 | 31-130 | |
| 2-Methylnaphthalene | 1120 | 69 | 720 | 58 | 33-130 | |
| Naphthalene | 1120 | 73 | 670 | 53 | 36-130 | |
| Phenanthrene | 1120 | 80 | 654 | 51 | 42-130 | |
| Pyrene | 1120 | 59 | 818 | 68 | 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.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1AD09020.D
 Lab ID: 680-88811-62 MS Client ID: CV1127B-CS MS

| COMPOUND | SPIKE ADDED (ug/Kg) | SAMPLE CONCENTRATION (ug/Kg) | MS CONCENTRATION (ug/Kg) | MS % REC | QC LIMITS REC | # |
|------------------------|---------------------------|------------------------------------|--------------------------------|----------------|---------------------|---|
| Acenaphthene | 826 | 120 U | 376 | 45 | 39-130 | |
| Acenaphthylene | 826 | 49 U | 402 | 49 | 38-130 | |
| Anthracene | 826 | 40 | 415 | 45 | 37-130 | |
| Benzo[a]anthracene | 826 | 67 | 482 | 50 | 40-130 | |
| Benzo[a]pyrene | 826 | 13 U | 459 | 56 | 49-130 | |
| Benzo[b]fluoranthene | 826 | 140 | 647 | 61 | 37-130 | |
| Benzo[g,h,i]perylene | 826 | 93 | 623 | 64 | 32-130 | |
| Benzo[k]fluoranthene | 826 | 48 | 449 | 49 | 32-130 | |
| Chrysene | 826 | 110 | 543 | 52 | 41-130 | |
| Dibenz(a,h)anthracene | 826 | 27 | 633 | 73 | 27-130 | |
| Fluoranthene | 826 | 100 | 464 | 44 | 40-130 | |
| Fluorene | 826 | 25 U | 401 | 49 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 826 | 110 | 592 | 59 | 30-130 | |
| 1-Methylnaphthalene | 826 | 52 | 443 | 47 | 31-130 | |
| 2-Methylnaphthalene | 826 | 66 | 468 | 49 | 33-130 | |
| Naphthalene | 826 | 80 | 437 | 43 | 36-130 | |
| Phenanthrene | 826 | 100 | 467 | 44 | 42-130 | |
| Pyrene | 826 | 100 | 565 | 56 | 44-130 | |

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.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1AD10014.D
 Lab ID: 680-88913-A-2-C MSD Client ID: _____

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Acenaphthene | 1130 | 584 | 52 | 1 | 40 | 39-130 | |
| Acenaphthylene | 1130 | 612 | 54 | 2 | 40 | 38-130 | |
| Anthracene | 1130 | 620 | 55 | 1 | 40 | 37-130 | |
| Benzo[a]anthracene | 1130 | 761 | 63 | 1 | 40 | 40-130 | |
| Benzo[a]pyrene | 1130 | 699 | 62 | 2 | 40 | 49-130 | |
| Benzo[b]fluoranthene | 1130 | 817 | 66 | 0 | 40 | 37-130 | |
| Benzo[g,h,i]perylene | 1130 | 948 | 80 | 5 | 40 | 32-130 | |
| Benzo[k]fluoranthene | 1130 | 770 | 66 | 5 | 40 | 32-130 | |
| Chrysene | 1130 | 783 | 64 | 6 | 40 | 41-130 | |
| Dibenz(a,h)anthracene | 1130 | 1000 | 88 | 1 | 40 | 27-130 | |
| Fluoranthene | 1130 | 674 | 55 | 2 | 40 | 40-130 | |
| Fluorene | 1130 | 596 | 53 | 1 | 40 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 1130 | 898 | 72 | 4 | 40 | 30-130 | |
| 1-Methylnaphthalene | 1130 | 708 | 57 | 2 | 40 | 31-130 | |
| 2-Methylnaphthalene | 1130 | 729 | 58 | 1 | 40 | 33-130 | |
| Naphthalene | 1130 | 686 | 54 | 2 | 40 | 36-130 | |
| Phenanthrene | 1130 | 642 | 50 | 2 | 40 | 42-130 | |
| Pyrene | 1130 | 794 | 65 | 3 | 40 | 44-130 | |

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.: 680-88811-4
 SDG No.: 68088811-4
 Matrix: Solid Level: Low Lab File ID: 1AD09021.D
 Lab ID: 680-88811-62 MSD Client ID: CV1127B-CS MSD

| COMPOUND | SPIKE ADDED (ug/Kg) | MSD CONCENTRATION (ug/Kg) | MSD % REC | % RPD | QC LIMITS | | # |
|------------------------|---------------------------|---------------------------------|-----------------|----------|-----------|--------|---|
| | | | | | RPD | REC | |
| Acenaphthene | 813 | 427 | 52 | 13 | 40 | 39-130 | |
| Acenaphthylene | 813 | 443 | 54 | 10 | 40 | 38-130 | |
| Anthracene | 813 | 470 | 53 | 12 | 40 | 37-130 | |
| Benzo[a]anthracene | 813 | 566 | 61 | 16 | 40 | 40-130 | |
| Benzo[a]pyrene | 813 | 519 | 64 | 12 | 40 | 49-130 | |
| Benzo[b]fluoranthene | 813 | 702 | 69 | 8 | 40 | 37-130 | |
| Benzo[g,h,i]perylene | 813 | 709 | 76 | 13 | 40 | 32-130 | |
| Benzo[k]fluoranthene | 813 | 541 | 61 | 19 | 40 | 32-130 | |
| Chrysene | 813 | 645 | 65 | 17 | 40 | 41-130 | |
| Dibenz(a,h)anthracene | 813 | 713 | 84 | 12 | 40 | 27-130 | |
| Fluoranthene | 813 | 524 | 52 | 12 | 40 | 40-130 | |
| Fluorene | 813 | 428 | 53 | 7 | 40 | 40-130 | |
| Indeno[1,2,3-cd]pyrene | 813 | 665 | 69 | 12 | 40 | 30-130 | |
| 1-Methylnaphthalene | 813 | 538 | 60 | 19 | 40 | 31-130 | |
| 2-Methylnaphthalene | 813 | 558 | 61 | 18 | 40 | 33-130 | |
| Naphthalene | 813 | 520 | 54 | 17 | 40 | 36-130 | |
| Phenanthrene | 813 | 562 | 57 | 19 | 40 | 42-130 | |
| Pyrene | 813 | 620 | 64 | 9 | 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.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1AD09016.D Lab Sample ID: MB 660-136204/1-A
 Matrix: Solid Date Extracted: 04/08/2013 09:32
 Instrument ID: BSMA5973 Date Analyzed: 04/09/2013 17:02
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|------------------|--------------------|-------------|------------------|
| | LCS 660-136204/2-A | 1AD09017.D | 04/09/2013 17:17 |
| CV1127B-CS | 680-88811-62 | 1AD09019.D | 04/09/2013 17:48 |
| CV1127B-CS MS | 680-88811-62 MS | 1AD09020.D | 04/09/2013 18:03 |
| CV1127B-CS MSD | 680-88811-62 MSD | 1AD09021.D | 04/09/2013 18:18 |
| CV1056A-CSD | 680-88811-67 | 1AD09026.D | 04/09/2013 19:33 |
| CV1056B-CS | 680-88811-68 | 1AD09027.D | 04/09/2013 19:48 |
| CV1124A-CS | 680-88811-69 | 1AD09028.D | 04/09/2013 20:03 |
| CV1124B-CS | 680-88811-70 | 1AD09029.D | 04/09/2013 20:18 |
| CV1126A-CS | 680-88811-71 | 1AD09030.D | 04/09/2013 20:33 |
| CV1126B-CS | 680-88811-72 | 1AD09031.D | 04/09/2013 20:49 |
| CV1138A-CS | 680-88811-73 | 1AD09032.D | 04/09/2013 21:04 |
| CV1138B-CS | 680-88811-74 | 1AD09033.D | 04/09/2013 21:19 |
| CV1140A-CS | 680-88811-75 | 1AD09034.D | 04/09/2013 21:34 |
| CV1140B-CS | 680-88811-76 | 1AD09035.D | 04/09/2013 21:49 |
| CV1052A-CS | 680-88811-77 | 1AD09036.D | 04/09/2013 22:04 |
| CV1052B-CS | 680-88811-78 | 1CD10008.D | 04/10/2013 13:42 |
| CV1054A-CS | 680-88811-79 | 1CD10009.D | 04/10/2013 14:00 |
| CV1054B-CS | 680-88811-80 | 1CD10010.D | 04/10/2013 14:19 |

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1AD10005.D Lab Sample ID: MB 660-136235/1-A
 Matrix: Solid Date Extracted: 04/08/2013 15:18
 Instrument ID: BSMA5973 Date Analyzed: 04/10/2013 13:12
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|------------------|---------------------|----------------|------------------|
| CV1136A-CS | 680-88811-81 | 1AD10007.D | 04/10/2013 13:42 |
| CV1141A-CS | 680-88811-82 | 1AD10008.D | 04/10/2013 13:57 |
| CV1141A-CSD | 680-88811-83 | 1AD10009.D | 04/10/2013 14:12 |
| CV1058A-CS | 680-88811-84 | 1AD10010.D | 04/10/2013 14:27 |
| | 680-88913-A-2-B MS | 1AD10013.D | 04/10/2013 15:12 |
| | 680-88913-A-2-C MSD | 1AD10014.D | 04/10/2013 15:27 |
| | LCS 660-136235/2-A | 1CD10014.D | 04/10/2013 16:05 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1AD09002.D DFTPP Injection Date: 04/09/2013
 Instrument ID: BSMA5973 DFTPP Injection Time: 10:18
 Analysis Batch No.: 136269

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 10.0 - 80.0 % of mass 198 | 22.5 |
| 68 | Less than 2.0 % of mass 69 | 0.0 (0.0) 1 |
| 69 | Mass 69 relative abundance | 24.1 |
| 70 | Less than 2.0 % of mass 69 | 0.2 (0.9) 1 |
| 127 | 10.0 - 80.0 % of mass 198 | 36.0 |
| 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 | 5.9 |
| 275 | 10.0 - 60.0 % of mass 198 | 23.4 |
| 365 | Greater than 1.0 % of mass 198 | 2.4 |
| 441 | Present but less than mass 443 | 11.1 |
| 442 | Greater than 50.0 % of mass 198 | 81.3 |
| 443 | 15.0 - 24.0 % of mass 442 | 16.7 (20.5) 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 660-136269/3 | 1AD09003.D | 04/09/2013 | 10:31 |
| | IC 660-136269/4 | 1AD09004.D | 04/09/2013 | 10:48 |
| | IC 660-136269/5 | 1AD09005.D | 04/09/2013 | 11:04 |
| | IC 660-136269/6 | 1AD09006.D | 04/09/2013 | 11:19 |
| | IC 660-136269/7 | 1AD09007.D | 04/09/2013 | 11:33 |
| | IC 660-136269/8 | 1AD09008.D | 04/09/2013 | 11:49 |
| | IC 660-136269/9 | 1AD09009.D | 04/09/2013 | 12:03 |
| | ICV 660-136269/12 | 1AD09012.D | 04/09/2013 | 13:51 |
| | MB 660-136204/1-A | 1AD09016.D | 04/09/2013 | 17:02 |
| | LCS 660-136204/2-A | 1AD09017.D | 04/09/2013 | 17:17 |
| CV1127B-CS | 680-88811-62 | 1AD09019.D | 04/09/2013 | 17:48 |
| CV1127B-CS MS | 680-88811-62 MS | 1AD09020.D | 04/09/2013 | 18:03 |
| CV1127B-CS MSD | 680-88811-62 MSD | 1AD09021.D | 04/09/2013 | 18:18 |
| CV1056A-CSD | 680-88811-67 | 1AD09026.D | 04/09/2013 | 19:33 |
| CV1056B-CS | 680-88811-68 | 1AD09027.D | 04/09/2013 | 19:48 |
| CV1124A-CS | 680-88811-69 | 1AD09028.D | 04/09/2013 | 20:03 |
| CV1124B-CS | 680-88811-70 | 1AD09029.D | 04/09/2013 | 20:18 |
| CV1126A-CS | 680-88811-71 | 1AD09030.D | 04/09/2013 | 20:33 |
| CV1126B-CS | 680-88811-72 | 1AD09031.D | 04/09/2013 | 20:49 |
| CV1138A-CS | 680-88811-73 | 1AD09032.D | 04/09/2013 | 21:04 |
| CV1138B-CS | 680-88811-74 | 1AD09033.D | 04/09/2013 | 21:19 |
| CV1140A-CS | 680-88811-75 | 1AD09034.D | 04/09/2013 | 21:34 |
| CV1140B-CS | 680-88811-76 | 1AD09035.D | 04/09/2013 | 21:49 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1AD09002.D DFTPP Injection Date: 04/09/2013
 Instrument ID: BSMA5973 DFTPP Injection Time: 10:18
 Analysis Batch No.: 136269

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 10.0 - 80.0 % of mass 198 | 22.5 |
| 68 | Less than 2.0 % of mass 69 | 0.0 (0.0)1 |
| 69 | Mass 69 relative abundance | 24.1 |
| 70 | Less than 2.0 % of mass 69 | 0.2 (0.9)1 |
| 127 | 10.0 - 80.0 % of mass 198 | 36.0 |
| 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 | 5.9 |
| 275 | 10.0 - 60.0 % of mass 198 | 23.4 |
| 365 | Greater than 1.0 % of mass 198 | 2.4 |
| 441 | Present but less than mass 443 | 11.1 |
| 442 | Greater than 50.0 % of mass 198 | 81.3 |
| 443 | 15.0 - 24.0 % of mass 442 | 16.7 (20.5)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 |
|------------------|---------------|-------------|---------------|---------------|
| CV1052A-CS | 680-88811-77 | 1AD09036.D | 04/09/2013 | 22:04 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1AD10002.D DFTPP Injection Date: 04/10/2013
 Instrument ID: BSMA5973 DFTPP Injection Time: 12:19
 Analysis Batch No.: 136318

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 10.0 - 80.0 % of mass 198 | 29.9 |
| 68 | Less than 2.0 % of mass 69 | 0.6 (1.9)1 |
| 69 | Mass 69 relative abundance | 30.7 |
| 70 | Less than 2.0 % of mass 69 | 0.4 (1.3)1 |
| 127 | 10.0 - 80.0 % of mass 198 | 41.5 |
| 197 | Less than 2.0 % of mass 198 | 0.2 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 - 9.0 % of mass 198 | 6.4 |
| 275 | 10.0 - 60.0 % of mass 198 | 22.3 |
| 365 | Greater than 1.0 % of mass 198 | 2.2 |
| 441 | Present but less than mass 443 | 9.1 |
| 442 | Greater than 50.0 % of mass 198 | 65.2 |
| 443 | 15.0 - 24.0 % of mass 442 | 13.3 (20.4)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 |
|------------------|---------------------|-------------|---------------|---------------|
| | CCVIS 660-136318/3 | 1AD10003.D | 04/10/2013 | 12:41 |
| | MB 660-136235/1-A | 1AD10005.D | 04/10/2013 | 13:12 |
| CV1136A-CS | 680-88811-81 | 1AD10007.D | 04/10/2013 | 13:42 |
| CV1141A-CS | 680-88811-82 | 1AD10008.D | 04/10/2013 | 13:57 |
| CV1141A-CSD | 680-88811-83 | 1AD10009.D | 04/10/2013 | 14:12 |
| CV1058A-CS | 680-88811-84 | 1AD10010.D | 04/10/2013 | 14:27 |
| | 680-88913-A-2-B MS | 1AD10013.D | 04/10/2013 | 15:12 |
| | 680-88913-A-2-C MSD | 1AD10014.D | 04/10/2013 | 15:27 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1CD02002.D DFTPP Injection Date: 04/02/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:31
 Analysis Batch No.: 136048

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 10.0 - 80.0 % of mass 198 | 34.9 |
| 68 | Less than 2.0 % of mass 69 | 0.8 (1.6)1 |
| 69 | Mass 69 relative abundance | 49.9 |
| 70 | Less than 2.0 % of mass 69 | 0.4 (0.9)1 |
| 127 | 10.0 - 80.0 % of mass 198 | 42.2 |
| 197 | Less than 2.0 % of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100.0 |
| 199 | 5.0 - 9.0 % of mass 198 | 7.6 |
| 275 | 10.0 - 60.0 % of mass 198 | 21.5 |
| 365 | Greater than 1.0 % of mass 198 | 3.4 |
| 441 | Present but less than mass 443 | 10.2 |
| 442 | Greater than 50.0 % of mass 198 | 56.7 |
| 443 | 15.0 - 24.0 % of mass 442 | 11.0 (19.4)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 660-136048/5 | 1CD02005.D | 04/02/2013 | 13:26 |
| | IC 660-136048/6 | 1CD02006.D | 04/02/2013 | 13:44 |
| | IC 660-136048/7 | 1CD02007.D | 04/02/2013 | 14:02 |
| | IC 660-136048/8 | 1CD02008.D | 04/02/2013 | 14:20 |
| | ICIS 660-136048/9 | 1CD02009.D | 04/02/2013 | 14:39 |
| | IC 660-136048/10 | 1CD02010.D | 04/02/2013 | 14:57 |
| | IC 660-136048/11 | 1CD02011.D | 04/02/2013 | 15:15 |
| | ICV 660-136048/12 | 1CD02012.D | 04/02/2013 | 15:34 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab File ID: 1CD10002.D DFTPP Injection Date: 04/10/2013
 Instrument ID: BSMC5973 DFTPP Injection Time: 11:53
 Analysis Batch No.: 136309

| M/E | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51 | 10.0 - 80.0 % of mass 198 | 39.7 |
| 68 | Less than 2.0 % of mass 69 | 0.4 (0.9)1 |
| 69 | Mass 69 relative abundance | 49.4 |
| 70 | Less than 2.0 % of mass 69 | 0.0 (0.0)1 |
| 127 | 10.0 - 80.0 % of mass 198 | 46.7 |
| 197 | Less than 2.0 % of mass 198 | 1.0 |
| 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 | 19.9 |
| 365 | Greater than 1.0 % of mass 198 | 4.5 |
| 441 | Present but less than mass 443 | 12.8 |
| 442 | Greater than 50.0 % of mass 198 | 68.7 |
| 443 | 15.0 - 24.0 % of mass 442 | 12.9 (18.8)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 660-136309/3 | 1CD10003.D | 04/10/2013 | 12:10 |
| CV1052B-CS | 680-88811-78 | 1CD10008.D | 04/10/2013 | 13:42 |
| CV1054A-CS | 680-88811-79 | 1CD10009.D | 04/10/2013 | 14:00 |
| CV1054B-CS | 680-88811-80 | 1CD10010.D | 04/10/2013 | 14:19 |
| | LCS 660-136235/2-A | 1CD10014.D | 04/10/2013 | 16:05 |

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

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: ICIS 660-136269/3 Date Analyzed: 04/09/2013 10:31
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AD09003.D Heated Purge: (Y/N) N
 Calibration ID: 2879

| | NPT | | ANT | | PHN | | |
|-------------------------------|------------------|---------|---------|---------|---------|---------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 1629167 | 2.59 | 861420 | 3.62 | 1542880 | 4.57 | |
| UPPER LIMIT | 3258334 | 3.09 | 1722840 | 4.12 | 3085760 | 5.07 | |
| LOWER LIMIT | 814584 | 2.09 | 430710 | 3.12 | 771440 | 4.07 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 660-136269/12 | | 1542771 | 2.59 | 886874 | 3.63 | 1631736 | 4.58 |
| MB 660-136204/1-A | | 1916870 | 2.59 | 1051217 | 3.62 | 1762582 | 4.58 |
| LCS 660-136204/2-A | | 1540472 | 2.59 | 847699 | 3.62 | 1453725 | 4.57 |
| 680-88811-62 | CV1127B-CS | 1820305 | 2.59 | 962957 | 3.62 | 1562411 | 4.57 |
| 680-88811-62 MS | CV1127B-CS MS | 1748759 | 2.59 | 960900 | 3.62 | 1567181 | 4.58 |
| 680-88811-62 MSD | CV1127B-CS MSD | 1677219 | 2.59 | 937268 | 3.62 | 1492622 | 4.58 |
| 680-88811-67 | CV1056A-CSD | 1608042 | 2.60 | 855500 | 3.63 | 1360425 | 4.58 |
| 680-88811-68 | CV1056B-CS | 1641381 | 2.59 | 872330 | 3.63 | 1392375 | 4.58 |
| 680-88811-69 | CV1124A-CS | 1696941 | 2.59 | 895503 | 3.63 | 1400118 | 4.58 |
| 680-88811-70 | CV1124B-CS | 1752334 | 2.60 | 907866 | 3.63 | 1470862 | 4.58 |
| 680-88811-71 | CV1126A-CS | 1656182 | 2.60 | 846731 | 3.63 | 1343118 | 4.58 |
| 680-88811-72 | CV1126B-CS | 1695186 | 2.60 | 870742 | 3.63 | 1351601 | 4.58 |
| 680-88811-73 | CV1138A-CS | 1693836 | 2.59 | 880979 | 3.63 | 1301786 | 4.58 |
| 680-88811-74 | CV1138B-CS | 1632069 | 2.60 | 871655 | 3.63 | 1319735 | 4.58 |
| 680-88811-75 | CV1140A-CS | 1634109 | 2.60 | 859569 | 3.63 | 1343609 | 4.58 |
| 680-88811-76 | CV1140B-CS | 1646204 | 2.60 | 863779 | 3.63 | 1335374 | 4.58 |
| 680-88811-77 | CV1052A-CS | 1592759 | 2.60 | 820524 | 3.63 | 1262850 | 4.59 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: ICIS 660-136269/3 Date Analyzed: 04/09/2013 10:31
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AD09003.D Heated Purge: (Y/N) N
 Calibration ID: 2879

| | CRY | | PRY | | AREA # | RT # |
|-------------------------------|------------------|---------|---------|---------|--------|------|
| | AREA # | RT # | AREA # | RT # | | |
| INITIAL CALIBRATION MID-POINT | 1527423 | 6.60 | 1682694 | 7.68 | | |
| UPPER LIMIT | 3054846 | 7.10 | 3365388 | 8.18 | | |
| LOWER LIMIT | 763712 | 6.10 | 841347 | 7.18 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| ICV 660-136269/12 | | 1541115 | 6.60 | 1781032 | 7.69 | |
| MB 660-136204/1-A | | 1793207 | 6.60 | 1797409 | 7.69 | |
| LCS 660-136204/2-A | | 1376979 | 6.59 | 1441786 | 7.68 | |
| 680-88811-62 | CV1127B-CS | 1422818 | 6.60 | 1663916 | 7.68 | |
| 680-88811-62 MS | CV1127B-CS MS | 1379129 | 6.60 | 1623227 | 7.69 | |
| 680-88811-62 MSD | CV1127B-CS MSD | 1306292 | 6.60 | 1571839 | 7.69 | |
| 680-88811-67 | CV1056A-CSD | 1283444 | 6.60 | 1490409 | 7.69 | |
| 680-88811-68 | CV1056B-CS | 1319035 | 6.61 | 1526020 | 7.69 | |
| 680-88811-69 | CV1124A-CS | 1341263 | 6.60 | 1524042 | 7.69 | |
| 680-88811-70 | CV1124B-CS | 1436969 | 6.61 | 1672547 | 7.69 | |
| 680-88811-71 | CV1126A-CS | 1358828 | 6.61 | 1623703 | 7.69 | |
| 680-88811-72 | CV1126B-CS | 1363808 | 6.61 | 1591481 | 7.69 | |
| 680-88811-73 | CV1138A-CS | 1309562 | 6.61 | 1619830 | 7.70 | |
| 680-88811-74 | CV1138B-CS | 1346844 | 6.61 | 1601699 | 7.70 | |
| 680-88811-75 | CV1140A-CS | 1417630 | 6.61 | 1669682 | 7.70 | |
| 680-88811-76 | CV1140B-CS | 1382735 | 6.61 | 1619399 | 7.70 | |
| 680-88811-77 | CV1052A-CS | 1342180 | 6.61 | 1554216 | 7.70 | |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: CCVIS 660-136318/3 Date Analyzed: 04/10/2013 12:41
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AD10003.D Heated Purge: (Y/N) N
 Calibration ID: 2879

| | NPT | | ANT | | PHN | | |
|---------------------|------------------|---------|---------|--------|---------|---------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| 12/24 HOUR STD | 1583411 | 2.58 | 832961 | 3.62 | 1461417 | 4.57 | |
| UPPER LIMIT | 3166822 | 3.08 | 1665922 | 4.12 | 2922834 | 5.07 | |
| LOWER LIMIT | 791706 | 2.08 | 416481 | 3.12 | 730709 | 4.07 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| MB 660-136235/1-A | | 1715976 | 2.59 | 934394 | 3.62 | 1637997 | 4.57 |
| 680-88811-81 | CV1136A-CS | 1643097 | 2.59 | 861556 | 3.62 | 1490567 | 4.57 |
| 680-88811-82 | CV1141A-CS | 1614950 | 2.59 | 841888 | 3.62 | 1337799 | 4.57 |
| 680-88811-83 | CV1141A-CSD | 1681039 | 2.59 | 886252 | 3.62 | 1426163 | 4.57 |
| 680-88811-84 | CV1058A-CS | 1623277 | 2.59 | 879057 | 3.62 | 1416565 | 4.57 |
| 680-88913-A-2-B MS | | 1575822 | 2.59 | 867858 | 3.62 | 1416367 | 4.57 |
| 680-88913-A-2-C MSD | | 1581304 | 2.59 | 854618 | 3.62 | 1373331 | 4.57 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: CCVIS 660-136318/3 Date Analyzed: 04/10/2013 12:41
 Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1AD10003.D Heated Purge: (Y/N) N
 Calibration ID: 2879

| | CRY | | PRY | | AREA # | RT # |
|---------------------|------------------|---------|---------|---------|--------|------|
| | AREA # | RT # | AREA # | RT # | | |
| 12/24 HOUR STD | 1381890 | 6.58 | 1422554 | 7.66 | | |
| UPPER LIMIT | 2763780 | 7.08 | 2845108 | 8.16 | | |
| LOWER LIMIT | 690945 | 6.08 | 711277 | 7.16 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| MB 660-136235/1-A | | 1740673 | 6.58 | 1753269 | 7.66 | |
| 680-88811-81 | CV1136A-CS | 1347010 | 6.58 | 1392634 | 7.67 | |
| 680-88811-82 | CV1141A-CS | 1218975 | 6.58 | 1470083 | 7.67 | |
| 680-88811-83 | CV1141A-CSD | 1302466 | 6.59 | 1508632 | 7.67 | |
| 680-88811-84 | CV1058A-CS | 1290989 | 6.59 | 1494557 | 7.67 | |
| 680-88913-A-2-B MS | | 1259358 | 6.59 | 1561065 | 7.67 | |
| 680-88913-A-2-C MSD | | 1260635 | 6.59 | 1578961 | 7.67 | |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: ICIS 660-136048/9 Date Analyzed: 04/02/2013 14:39
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD02009.D Heated Purge: (Y/N) N
 Calibration ID: 2859

| | NPT | | ANT | | PHN | | |
|-------------------------------|------------------|--------|--------|--------|---------|--------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| INITIAL CALIBRATION MID-POINT | 501011 | 3.71 | 361349 | 4.80 | 702974 | 5.75 | |
| UPPER LIMIT | 1002022 | 4.21 | 722698 | 5.30 | 1405948 | 6.25 | |
| LOWER LIMIT | 250506 | 3.21 | 180675 | 4.30 | 351487 | 5.25 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| ICV 660-136048/12 | | 649122 | 3.71 | 500935 | 4.80 | 955391 | 5.75 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: ICIS 660-136048/9 Date Analyzed: 04/02/2013 14:39
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD02009.D Heated Purge: (Y/N) N
 Calibration ID: 2859

| | CRY | | PRY | | AREA # | RT # |
|-------------------------------|------------------|------|---------|------|--------|------|
| | AREA # | RT # | AREA # | RT # | | |
| INITIAL CALIBRATION MID-POINT | 875378 | 7.69 | 942955 | 8.86 | | |
| UPPER LIMIT | 1750756 | 8.19 | 1885910 | 9.36 | | |
| LOWER LIMIT | 437689 | 7.19 | 471478 | 8.36 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| ICV 660-136048/12 | 1249690 | 7.69 | 1306409 | 8.86 | | |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: CCVIS 660-136309/3 Date Analyzed: 04/10/2013 12:10
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD10003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

| | NPT | | ANT | | PHN | | |
|--------------------|------------------|--------|--------|--------|--------|--------|------|
| | AREA # | RT # | AREA # | RT # | AREA # | RT # | |
| 12/24 HOUR STD | 324897 | 3.68 | 222702 | 4.77 | 427547 | 5.71 | |
| UPPER LIMIT | 649794 | 4.18 | 445404 | 5.27 | 855094 | 6.21 | |
| LOWER LIMIT | 162449 | 3.18 | 111351 | 4.27 | 213774 | 5.21 | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | | |
| 680-88811-78 | CV1052B-CS | 377917 | 3.68 | 271174 | 4.77 | 508223 | 5.71 |
| 680-88811-79 | CV1054A-CS | 444403 | 3.68 | 317224 | 4.77 | 596356 | 5.71 |
| 680-88811-80 | CV1054B-CS | 417052 | 3.68 | 300329 | 4.77 | 567489 | 5.71 |
| LCS 660-136235/2-A | | 332649 | 3.68 | 240730 | 4.77 | 465300 | 5.72 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Sample No.: CCVIS 660-136309/3 Date Analyzed: 04/10/2013 12:10
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um)
 Lab File ID (Standard): 1CD10003.D Heated Purge: (Y/N) N
 Calibration ID: 2859

| | CRY | | PRY | | AREA # | RT # |
|--------------------|------------------|------|---------|------|--------|------|
| | AREA # | RT # | AREA # | RT # | | |
| 12/24 HOUR STD | 562910 | 7.65 | 541225 | 8.81 | | |
| UPPER LIMIT | 1125820 | 8.15 | 1082450 | 9.31 | | |
| LOWER LIMIT | 281455 | 7.15 | 270613 | 8.31 | | |
| LAB SAMPLE ID | CLIENT SAMPLE ID | | | | | |
| 680-88811-78 | CV1052B-CS | | 602713 | 7.65 | 597275 | 8.80 |
| 680-88811-79 | CV1054A-CS | | 698609 | 7.65 | 672739 | 8.81 |
| 680-88811-80 | CV1054B-CS | | 628103 | 7.65 | 596593 | 8.81 |
| LCS 660-136235/2-A | | | 533002 | 7.65 | 494687 | 8.82 |

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.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1127B-CS Lab Sample ID: 680-88811-62
 Matrix: Solid Lab File ID: 1AD09019.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 10:38
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.03(g) Date Analyzed: 04/09/2013 17:48
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 18.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 120 | U | 120 | 25 |
| 208-96-8 | Acenaphthylene | 49 | U | 49 | 6.2 |
| 120-12-7 | Anthracene | 40 | | 10 | 5.2 |
| 56-55-3 | Benzo[a]anthracene | 67 | | 9.8 | 4.8 |
| 50-32-8 | Benzo[a]pyrene | 13 | U | 13 | 6.4 |
| 205-99-2 | Benzo[b]fluoranthene | 140 | | 15 | 7.5 |
| 191-24-2 | Benzo[g,h,i]perylene | 93 | | 25 | 5.4 |
| 207-08-9 | Benzo[k]fluoranthene | 48 | | 9.8 | 4.4 |
| 218-01-9 | Chrysene | 110 | | 11 | 5.5 |
| 53-70-3 | Dibenz(a,h)anthracene | 27 | | 25 | 5.0 |
| 206-44-0 | Fluoranthene | 100 | | 25 | 4.9 |
| 86-73-7 | Fluorene | 25 | U | 25 | 5.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 110 | | 25 | 8.7 |
| 90-12-0 | 1-Methylnaphthalene | 52 | | 49 | 5.4 |
| 91-57-6 | 2-Methylnaphthalene | 66 | | 49 | 8.7 |
| 91-20-3 | Naphthalene | 80 | | 49 | 5.4 |
| 85-01-8 | Phenanthrene | 100 | | 9.8 | 4.8 |
| 129-00-0 | Pyrene | 100 | | 25 | 4.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 50 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09019.D
 Lab Smp Id: 680-88811-A-62-A Client Smp ID: CV1127B-CS
 Inj Date : 09-APR-2013 17:48
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-62-a
 Misc Info : 680-88811-A-62-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.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 | 18.925 | % 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.593 | 2.591 | (1.000) | 1820305 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.624 | 3.622 | (1.000) | 962957 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.574 | 4.573 | (1.000) | 1562411 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.879 | 4.877 | (1.067) | 169535 | 5.04177 | 413.7503 |
| * 18 Chrysene-d12 | 240 | | 6.599 | 6.597 | (1.000) | 1422818 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.683 | 7.676 | (1.000) | 1663916 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.604 | 2.602 | (1.004) | 52658 | 0.97147 | 79.7235 |
| 3 2-Methylnaphthalene | 141 | | 3.004 | 3.008 | (1.159) | 26630 | 0.80340 | 65.9305 |
| 4 1-Methylnaphthalene | 142 | | 3.063 | 3.062 | (1.181) | 19541 | 0.63687 | 52.2647 |
| 11 Phenanthrene | 178 | | 4.590 | 4.589 | (1.004) | 68728 | 1.21372 | 99.6035 |
| 12 Anthracene | 178 | | 4.623 | 4.626 | (1.011) | 12608 | 0.48746 | 40.0032 |
| 13 Carbazole | 167 | | 4.751 | 4.755 | (1.039) | 9010 | 0.21378 | 17.5437 |
| 15 Fluoranthene | 202 | | 5.456 | 5.454 | (1.193) | 84968 | 1.24793 | 102.4103 |
| 16 Pyrene | 202 | | 5.621 | 5.620 | (0.852) | 68845 | 1.25567 | 103.0460 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | 6.588 | 6.581 | (0.998) | 38826 | 0.81806 | 67.1339 |
| 19 Chrysene | 228 | 6.615 | 6.613 | (1.002) | 66230 | 1.36825 | 112.2846 |
| 20 Benzo(b)fluoranthene | 252 | 7.405 | 7.404 | (0.964) | 86376 | 1.71201 | 140.4956(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.416 | 7.425 | (0.965) | 32801 | 0.58536 | 48.0373(QM) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.447 | 8.451 | (1.099) | 42670 | 1.28831 | 105.7247(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.479 | 8.477 | (1.104) | 13945 | 0.33150 | 27.2044 |
| 26 Benzo(g,h,i)perylene | 276 | 8.671 | 8.670 | (1.129) | 51622 | 1.13908 | 93.4776 |

QC Flag Legend

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

Data File: 1AD09019.D

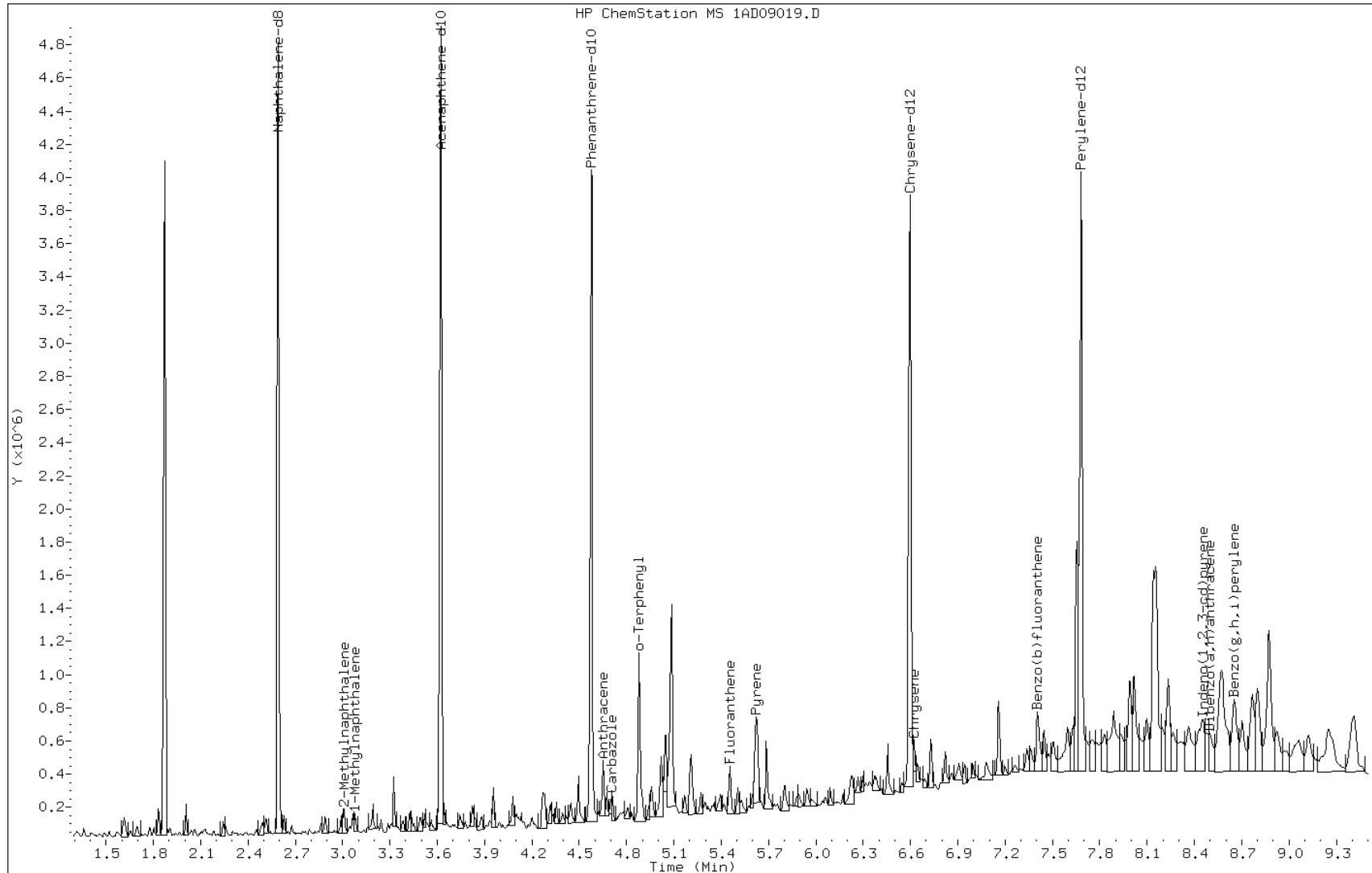
Date: 09-APR-2013 17:48

Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

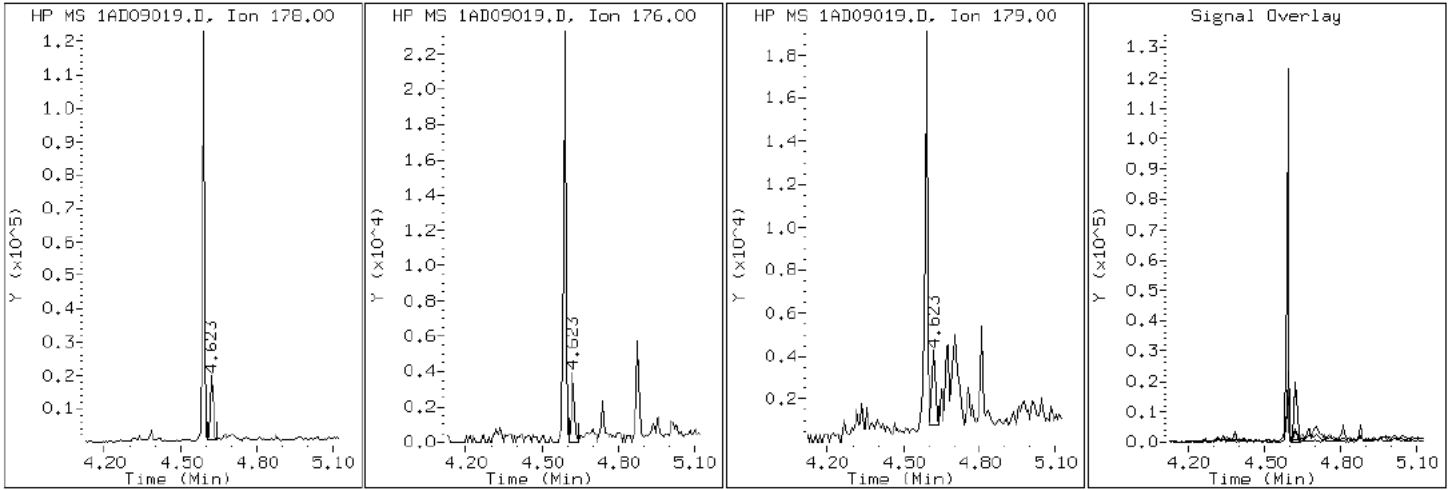
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

12 Anthracene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

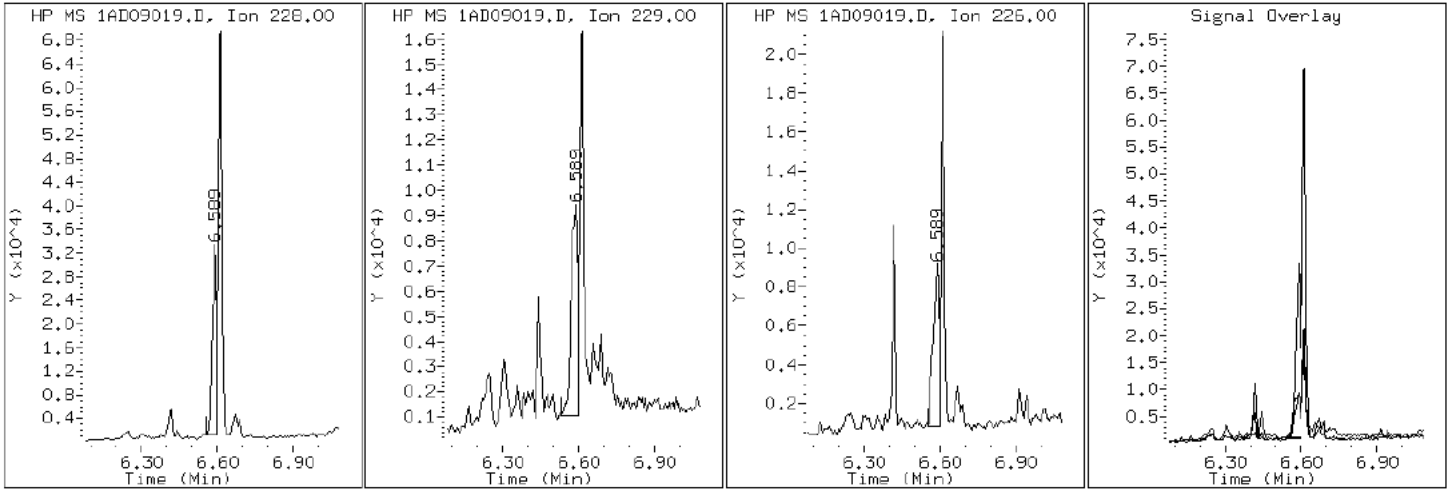
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

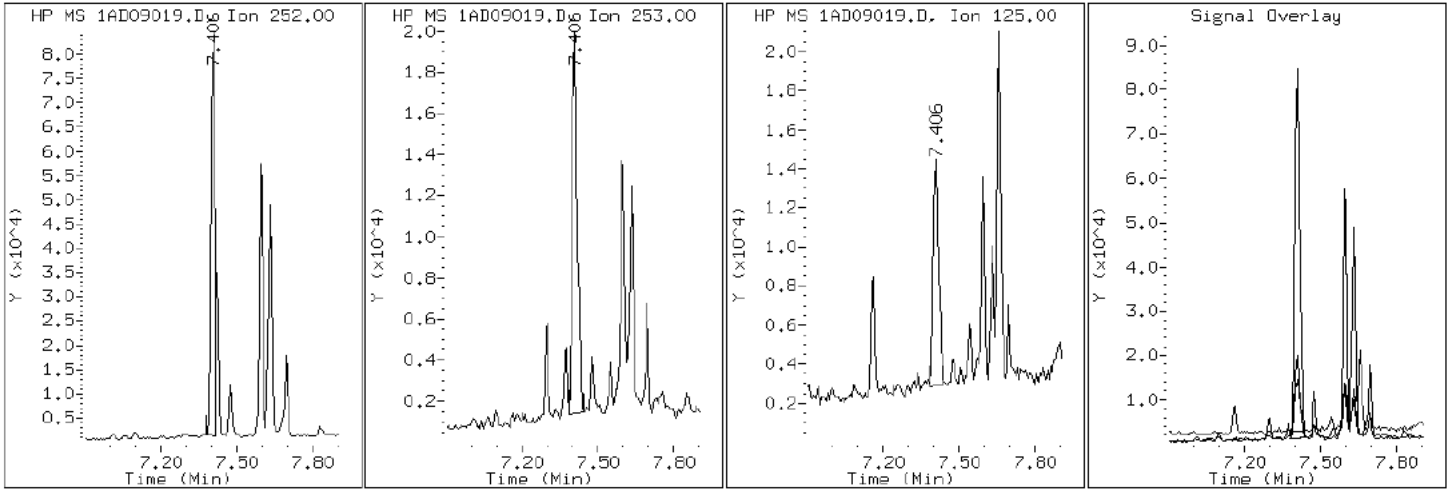
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

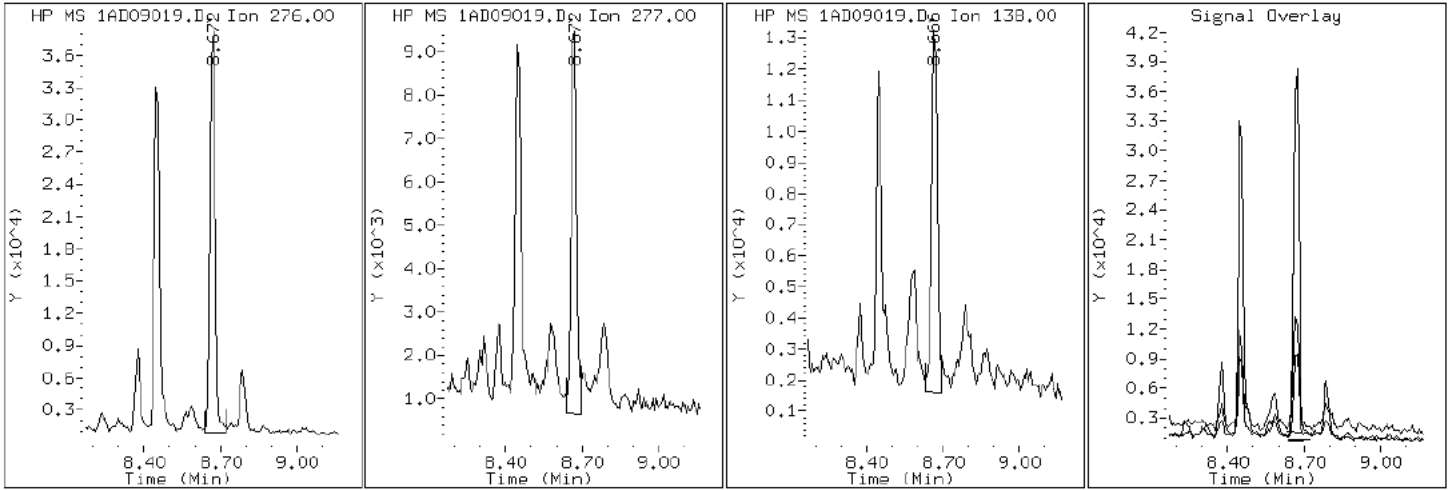
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

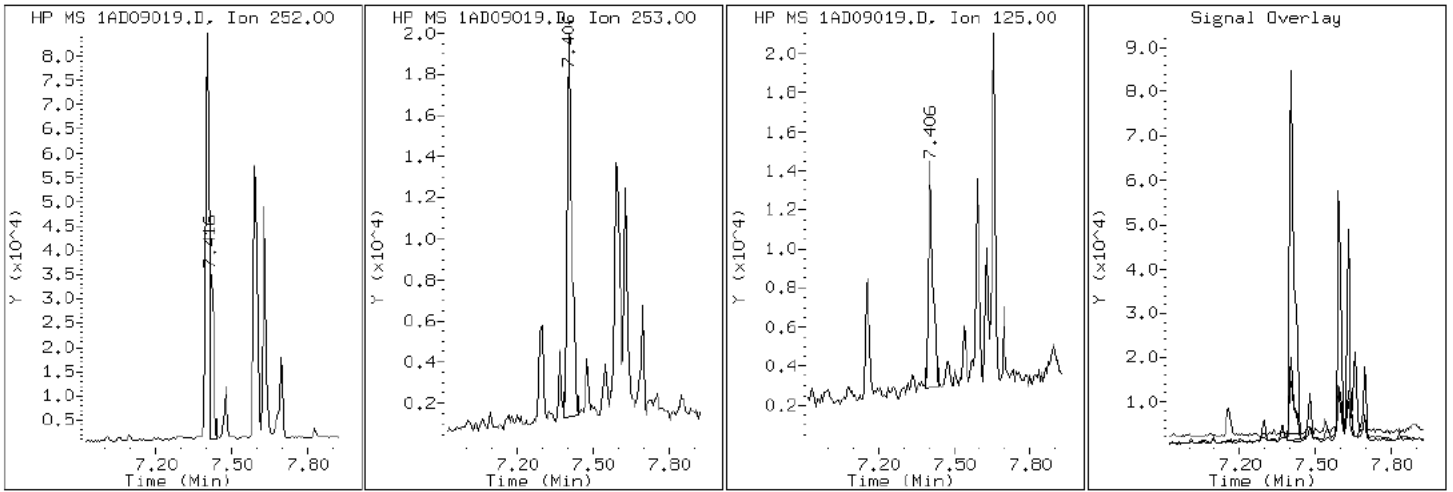
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

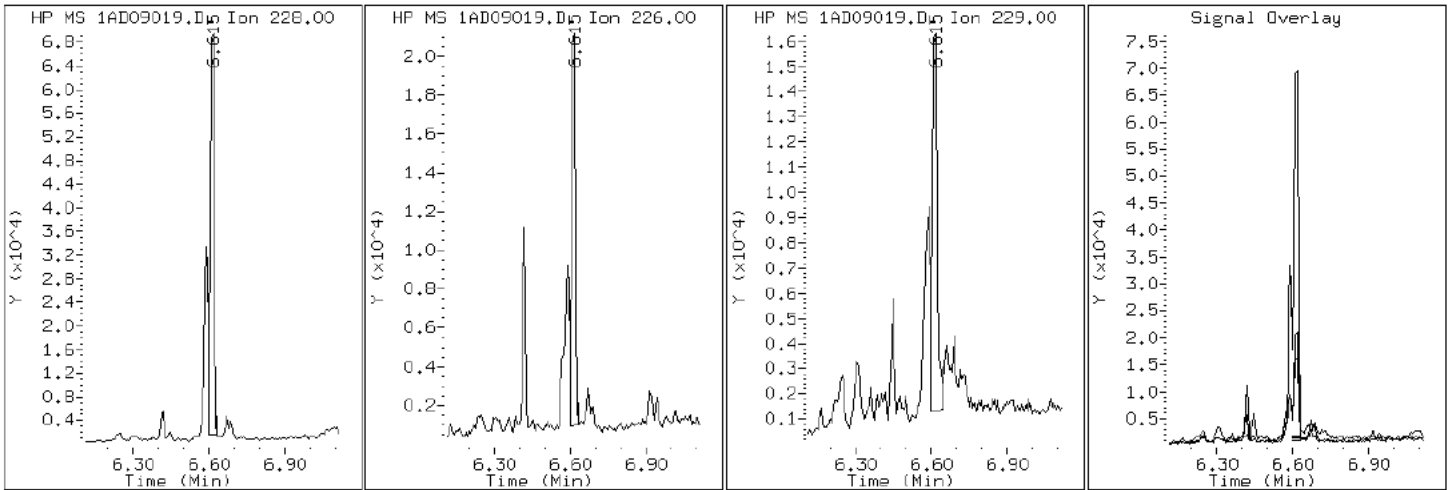
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

19 Chrysene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

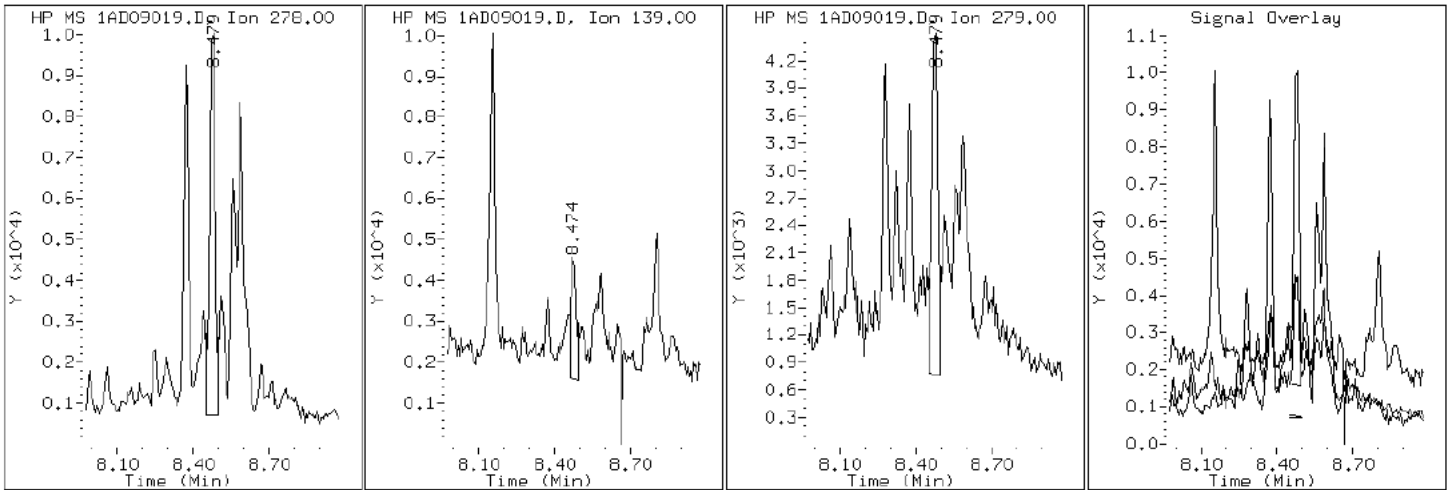
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

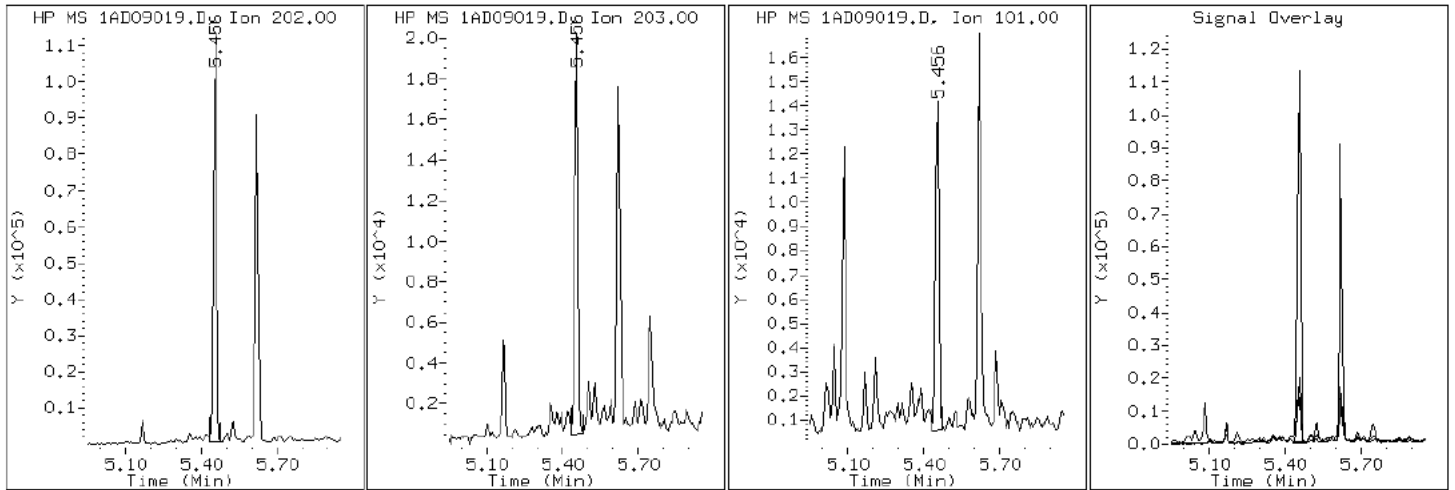
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

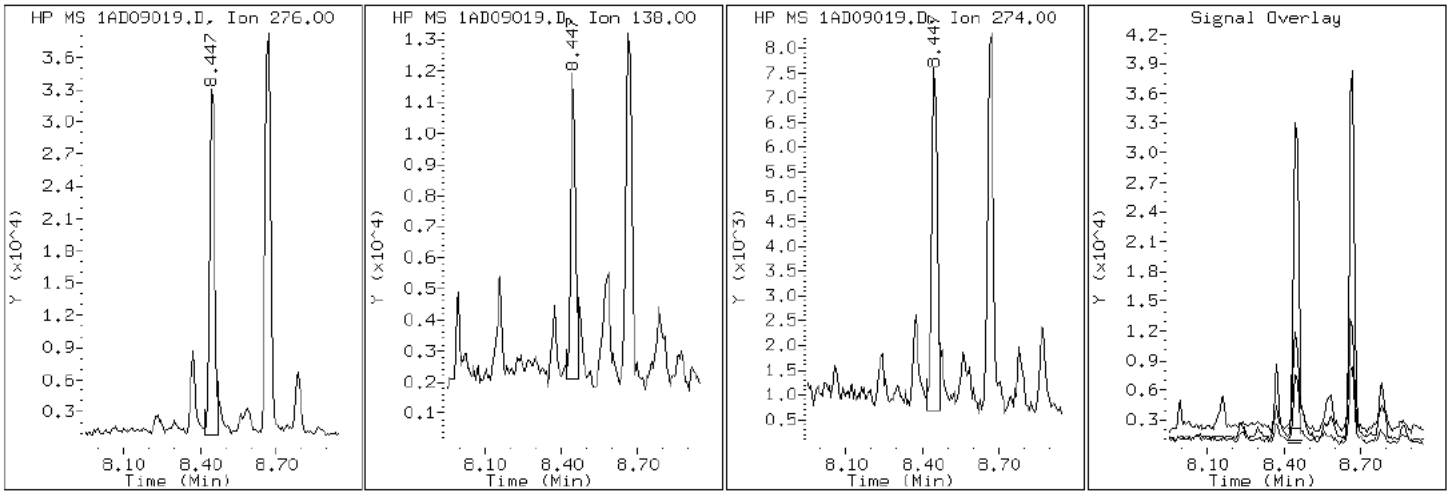
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

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



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

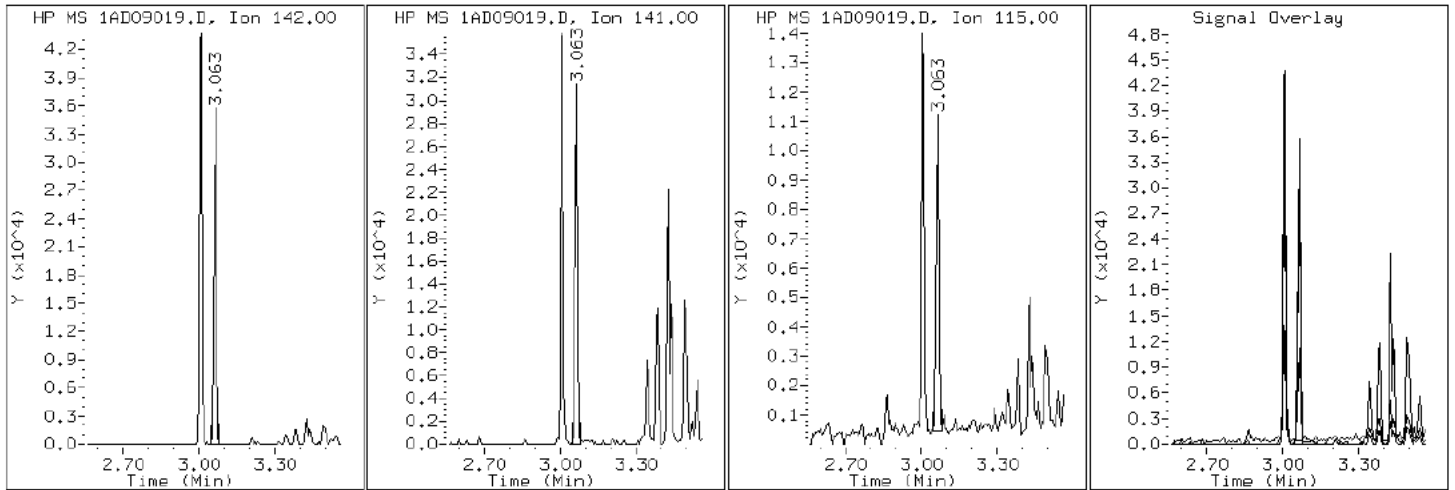
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

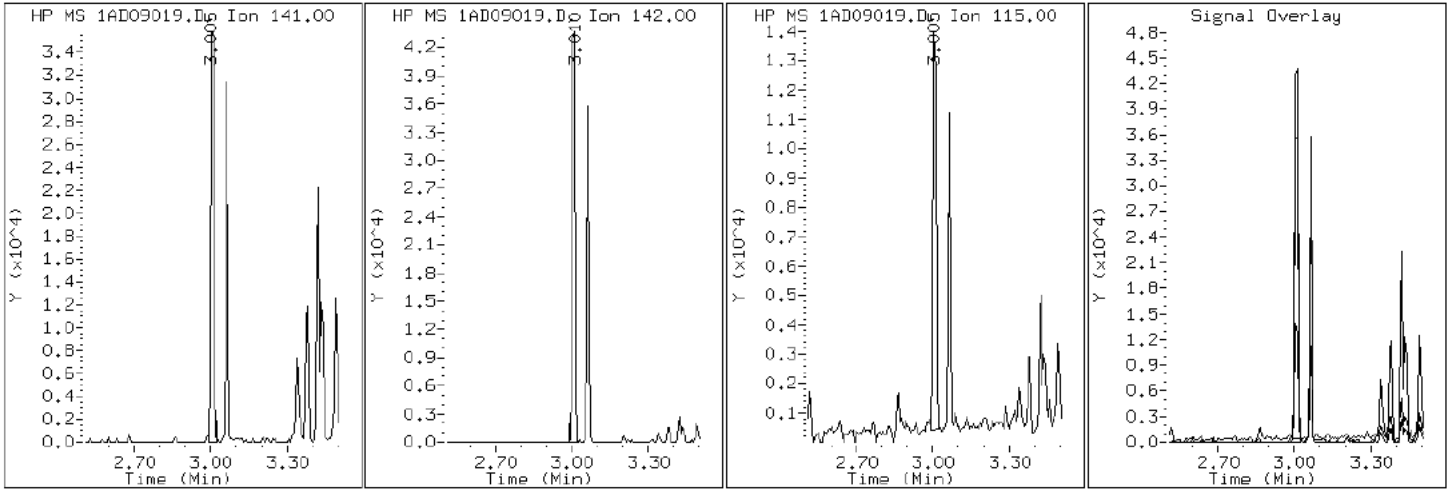
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

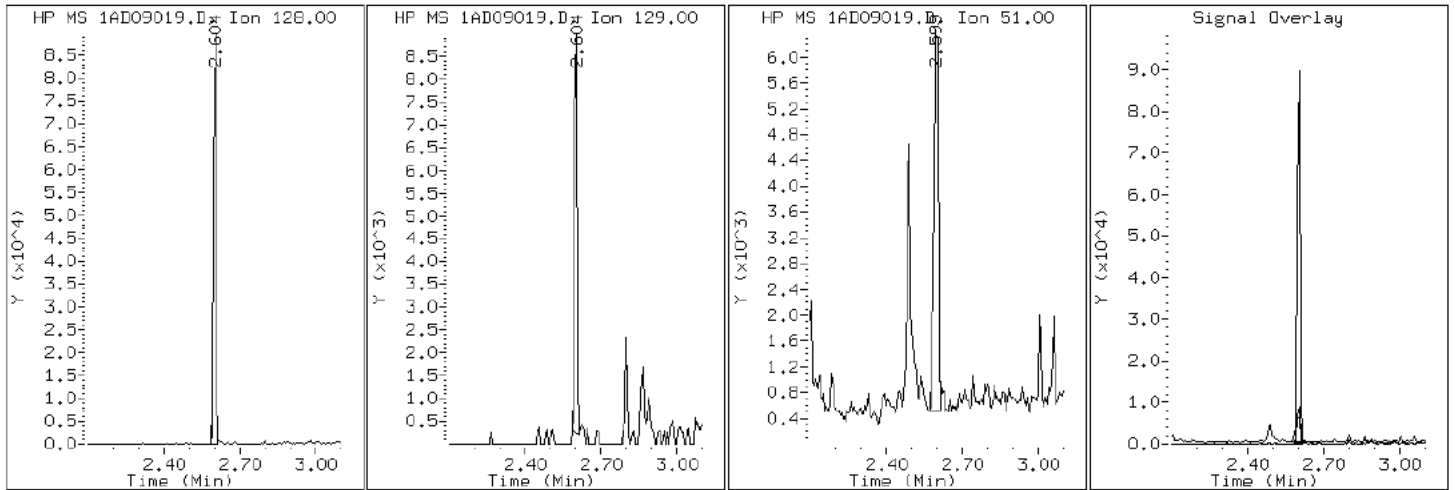
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

2 Naphthalene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

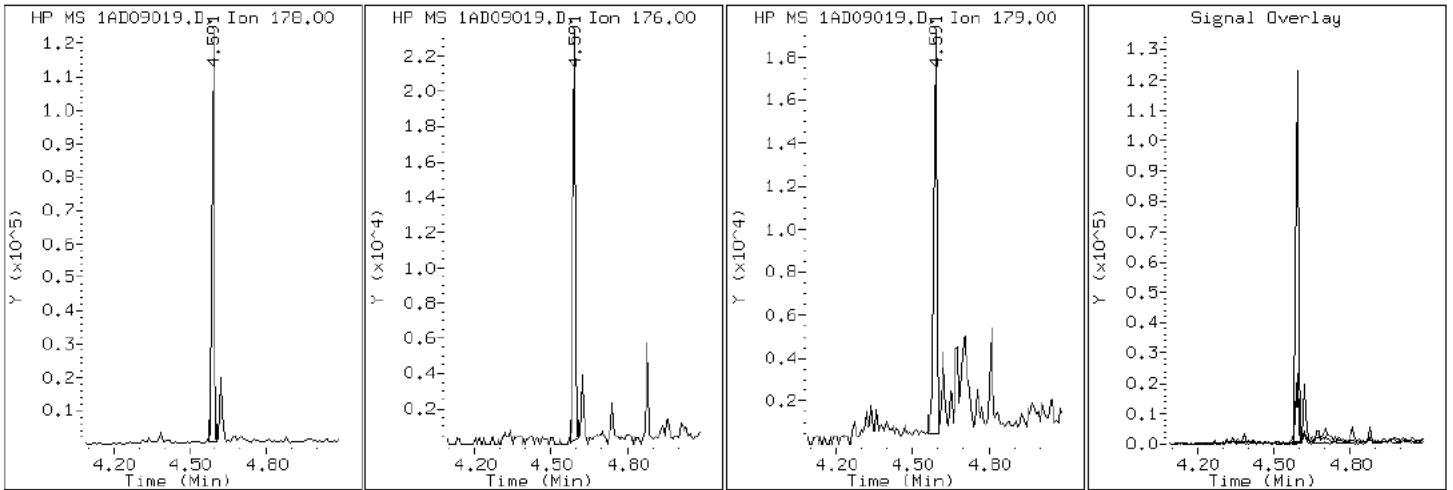
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09019.D

Date: 09-APR-2013 17:48

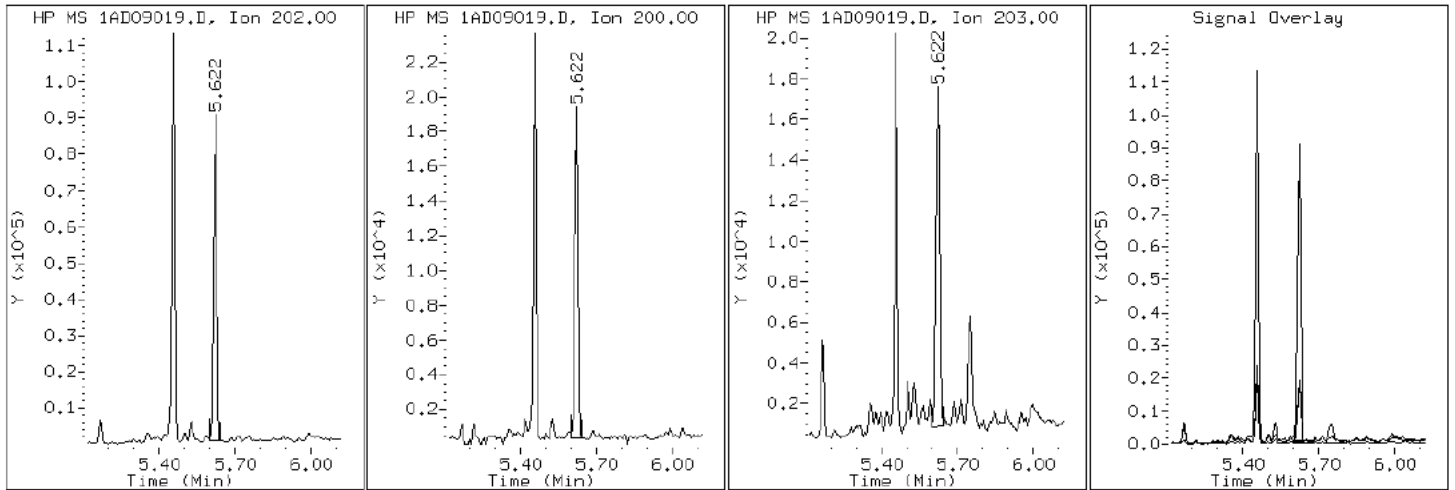
Client ID: CV1127B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-a

Operator: SCC

16 Pyrene

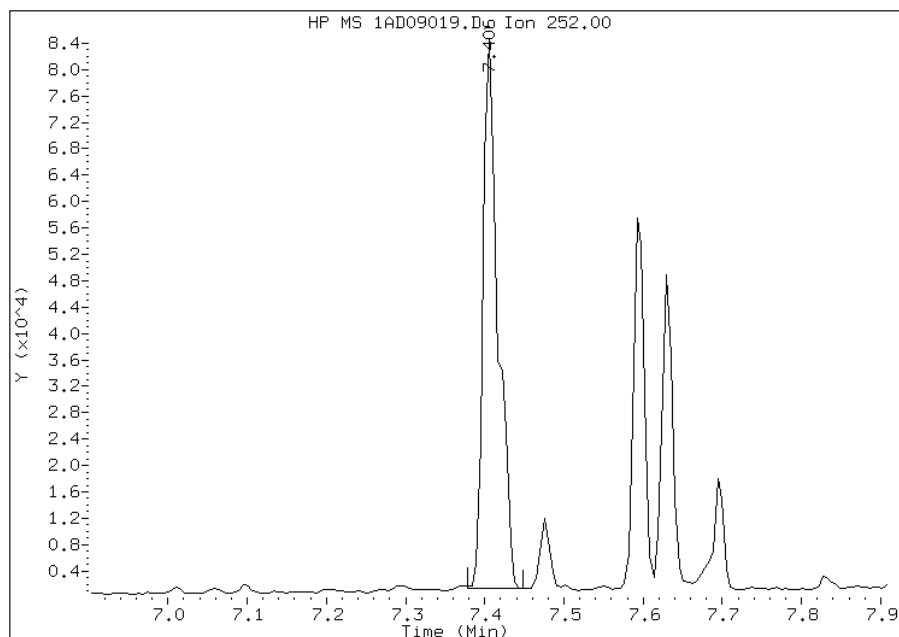


Manual Integration Report

Data File: 1AD09019.D
Inj. Date and Time: 09-APR-2013 17:48
Instrument ID: BSMA5973.i
Client ID: CV1127B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

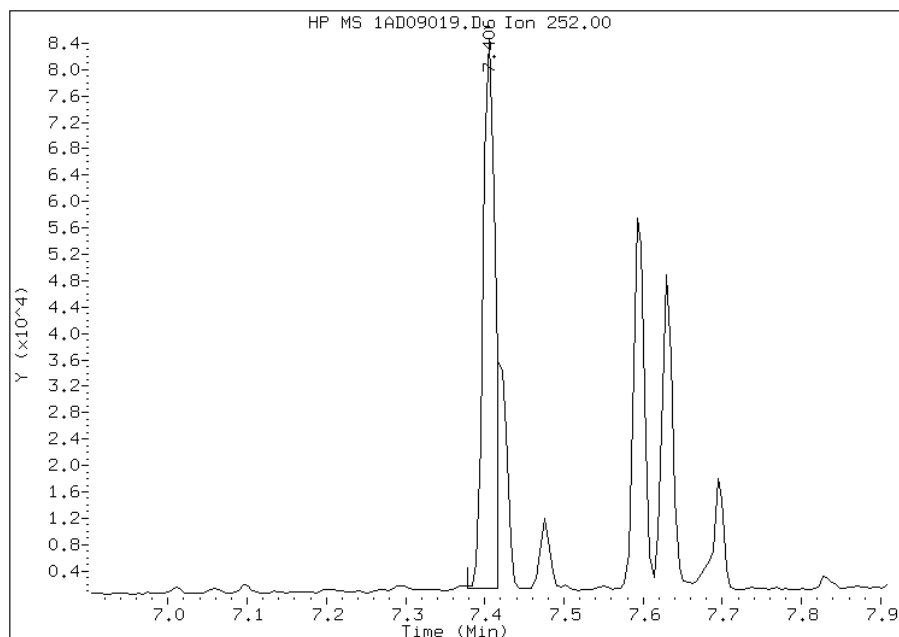
Processing Integration Results

RT: 7.41
Response: 107350
Amount: 2
Conc: 175



Manual Integration Results

RT: 7.41
Response: 86376
Amount: 2
Conc: 140



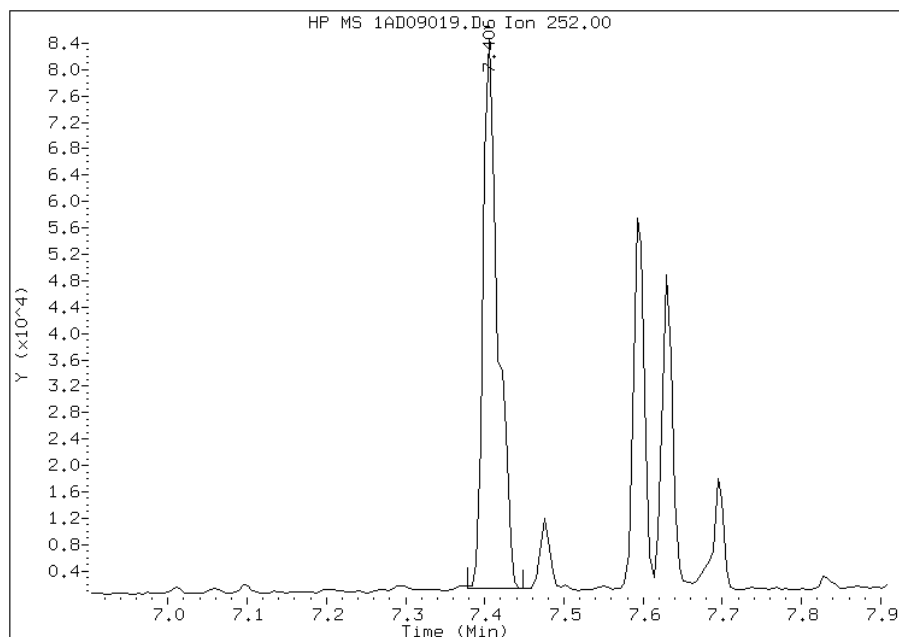
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:04
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09019.D
Inj. Date and Time: 09-APR-2013 17:48
Instrument ID: BSMA5973.i
Client ID: CV1127B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

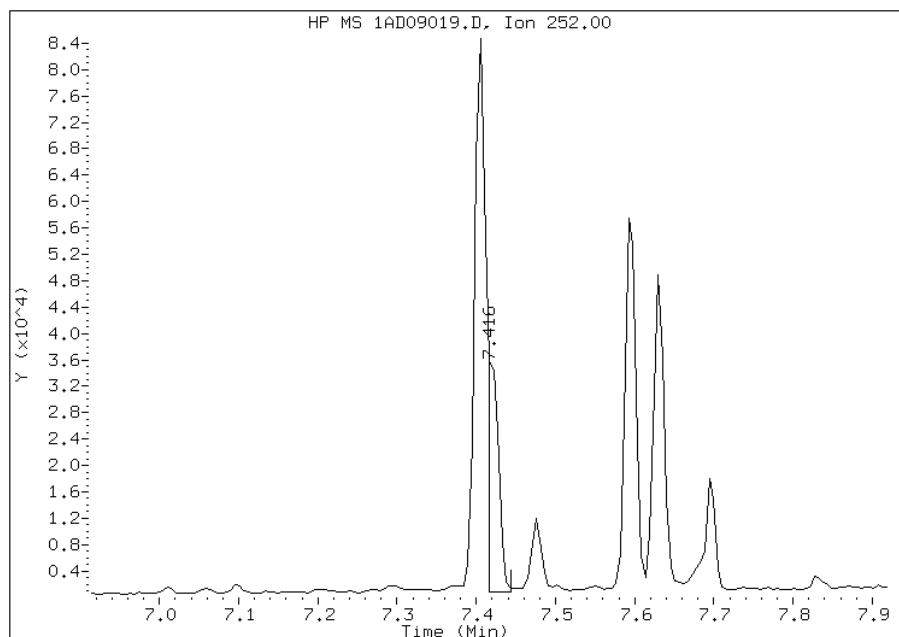
Processing Integration Results

RT: 7.41
Response: 107177
Amount: 2
Conc: 157



Manual Integration Results

RT: 7.42
Response: 32801
Amount: 1
Conc: 48



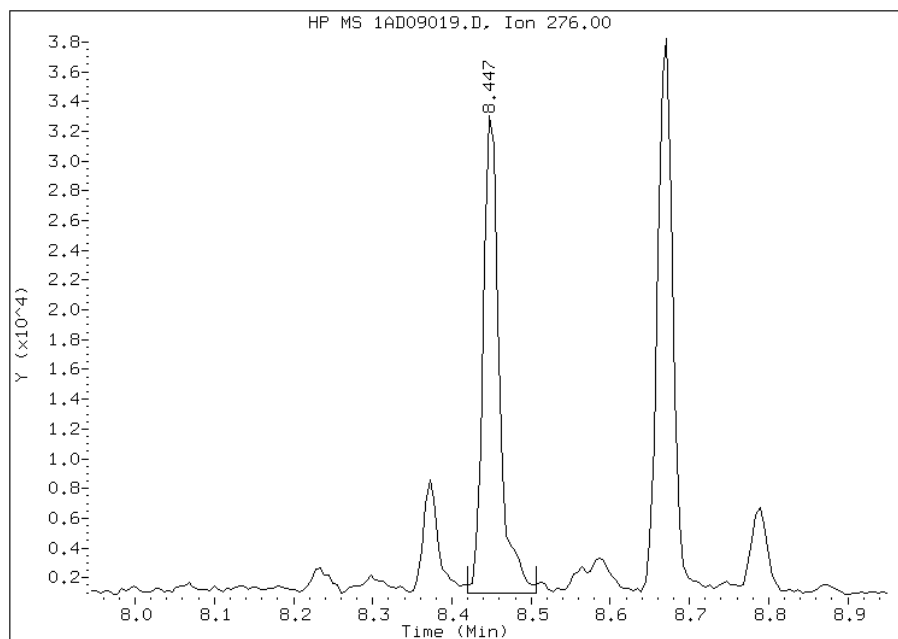
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:04
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09019.D
Inj. Date and Time: 09-APR-2013 17:48
Instrument ID: BSMA5973.i
Client ID: CV1127B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

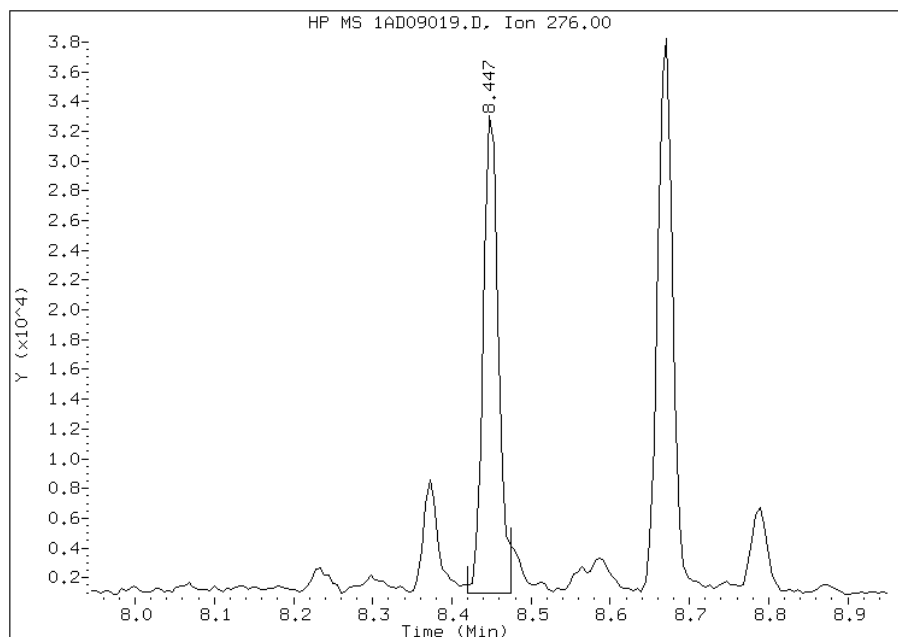
Processing Integration Results

RT: 8.45
Response: 45430
Amount: 1
Conc: 110



Manual Integration Results

RT: 8.45
Response: 42670
Amount: 1
Conc: 106



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:05
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1056A-CSD Lab Sample ID: 680-88811-67
 Matrix: Solid Lab File ID: 1AD09026.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:47
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.26(g) Date Analyzed: 04/09/2013 19:33
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.4 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 480 | U | 480 | 95 |
| 208-96-8 | Acenaphthylene | 190 | U | 190 | 24 |
| 120-12-7 | Anthracene | 150 | | 40 | 20 |
| 56-55-3 | Benzo[a]anthracene | 270 | | 38 | 19 |
| 50-32-8 | Benzo[a]pyrene | 42 | J | 49 | 25 |
| 205-99-2 | Benzo[b]fluoranthene | 510 | | 58 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 370 | | 95 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 200 | | 38 | 17 |
| 218-01-9 | Chrysene | 360 | | 43 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 100 | | 95 | 20 |
| 206-44-0 | Fluoranthene | 380 | | 95 | 19 |
| 86-73-7 | Fluorene | 95 | U | 95 | 20 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 410 | | 95 | 34 |
| 90-12-0 | 1-Methylnaphthalene | 220 | | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 230 | | 190 | 34 |
| 91-20-3 | Naphthalene | 190 | | 190 | 21 |
| 85-01-8 | Phenanthrene | 340 | | 38 | 19 |
| 129-00-0 | Pyrene | 420 | | 95 | 18 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 71 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09026.D
 Lab Smp Id: 680-88811-A-67-A Client Smp ID: CV1056A-CSD
 Inj Date : 09-APR-2013 19:33
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-67-a
 Misc Info : 680-88811-A-67-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 26
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.260 | Weight Extracted |
| M | 17.391 | % 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 | | 2.595 | 2.591 | (1.000) | 1608042 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.626 | 3.622 | (1.000) | 855500 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.582 | 4.573 | (1.000) | 1360425 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.881 | 4.877 | (1.065) | 53870 | 1.76982 | 561.5750 | |
| * 18 Chrysene-d12 | 240 | | 6.601 | 6.597 | (1.000) | 1283444 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.690 | 7.676 | (1.000) | 1490409 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.606 | 2.602 | (1.004) | 19958 | 0.59429 | 188.5721 | |
| 3 2-Methylnaphthalene | 141 | | 3.012 | 3.008 | (1.161) | 20885 | 0.73546 | 233.3674 | |
| 4 1-Methylnaphthalene | 142 | | 3.065 | 3.062 | (1.181) | 19926 | 0.69153 | 219.4257 | |
| 11 Phenanthrene | 178 | | 4.593 | 4.589 | (1.002) | 50629 | 1.06793 | 338.8602 | |
| 12 Anthracene | 178 | | 4.630 | 4.626 | (1.010) | 10705 | 0.48368 | 153.4757 | |
| 13 Carbazole | 167 | | 4.758 | 4.755 | (1.038) | 8054 | 0.21766 | 69.0641 | |
| 15 Fluoranthene | 202 | | 5.463 | 5.454 | (1.192) | 69959 | 1.18225 | 375.1376 | |
| 16 Pyrene | 202 | | 5.629 | 5.620 | (0.853) | 65058 | 1.31546 | 417.4037 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | 6.596 | 6.581 | (0.999) | 37059 | 0.86563 | 274.6693 |
| 19 Chrysene | 228 | 6.617 | 6.613 | (1.002) | 49887 | 1.14254 | 362.5347 |
| 20 Benzo(b)fluoranthene | 252 | 7.413 | 7.404 | (0.964) | 73134 | 1.61830 | 513.4986(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.423 | 7.425 | (0.965) | 31208 | 0.62177 | 197.2914(QM) |
| 22 Benzo(a)pyrene | 252 | 7.637 | 7.628 | (0.993) | 44083 | 0.13122 | 41.6373 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.460 | 8.451 | (1.100) | 38046 | 1.28426 | 407.5039(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.486 | 8.477 | (1.103) | 12082 | 0.32065 | 101.7445 |
| 26 Benzo(g,h,i)perylene | 276 | 8.679 | 8.670 | (1.128) | 47371 | 1.16696 | 370.2848 |

QC Flag Legend

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

Data File: 1AD09026.D

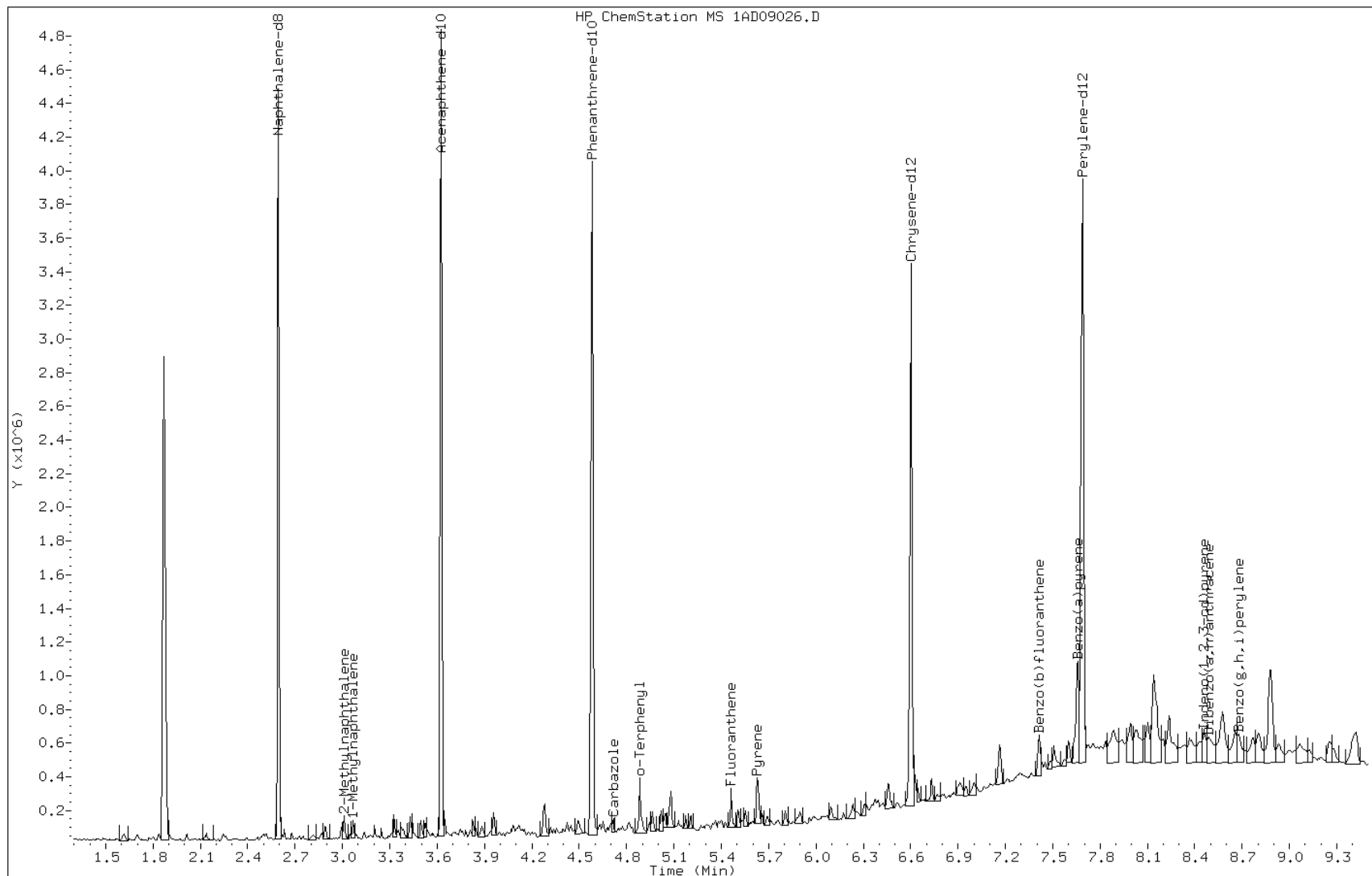
Date: 09-APR-2013 19:33

Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

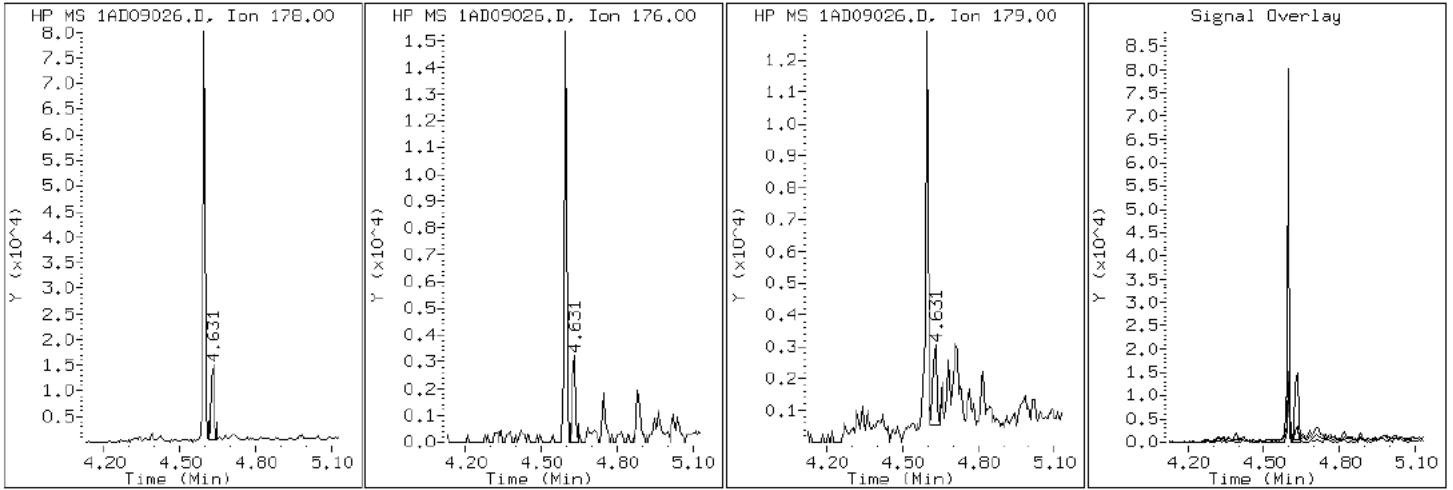
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

12 Anthracene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

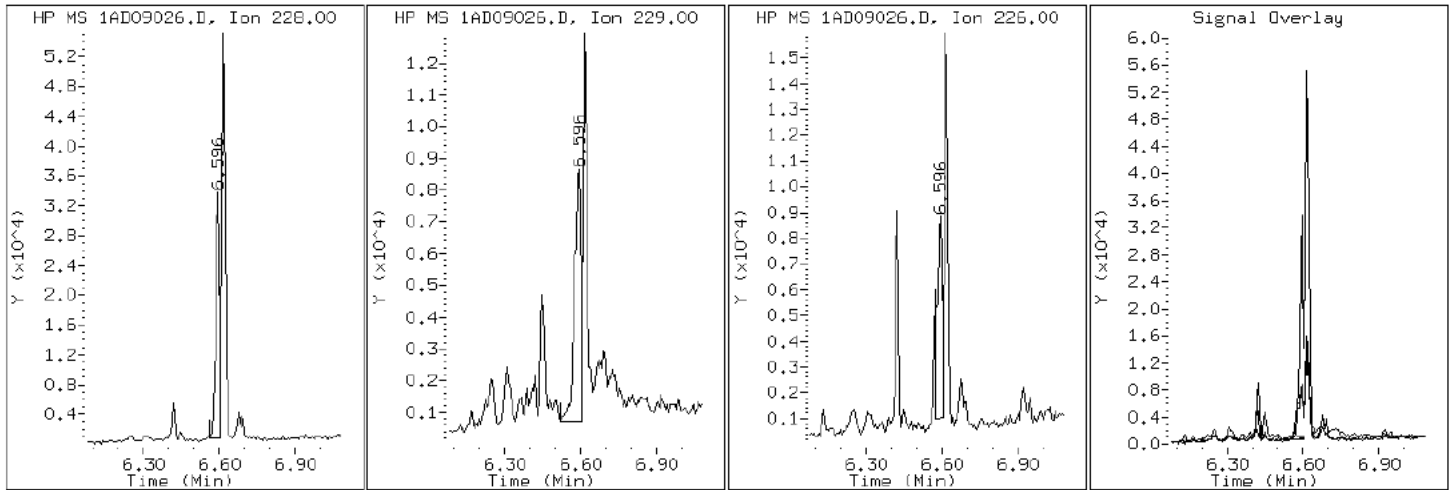
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

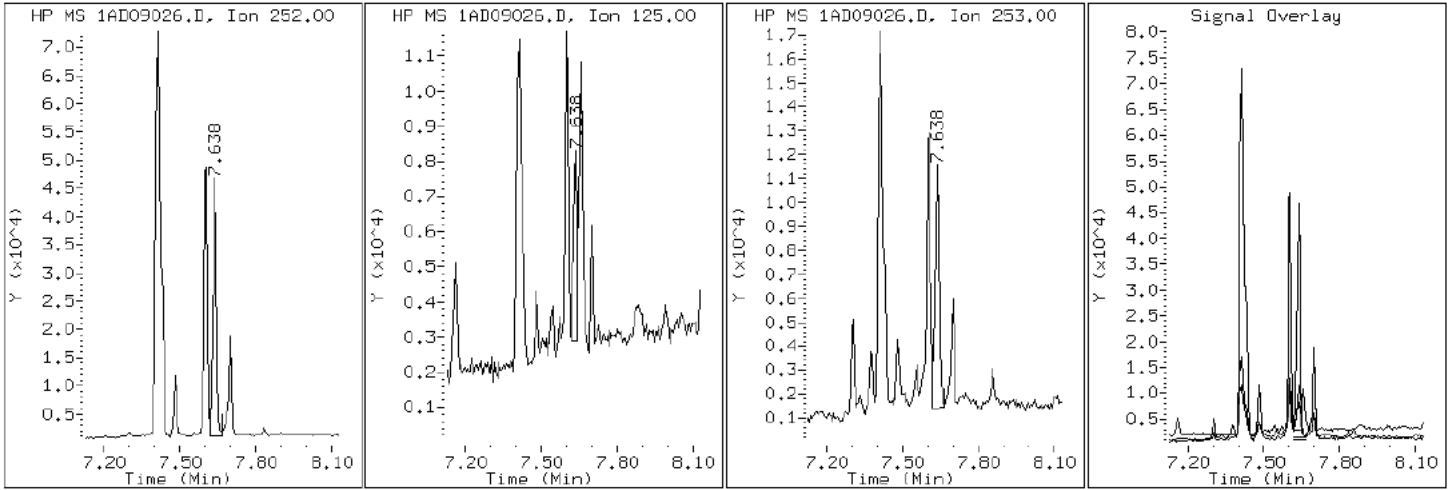
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

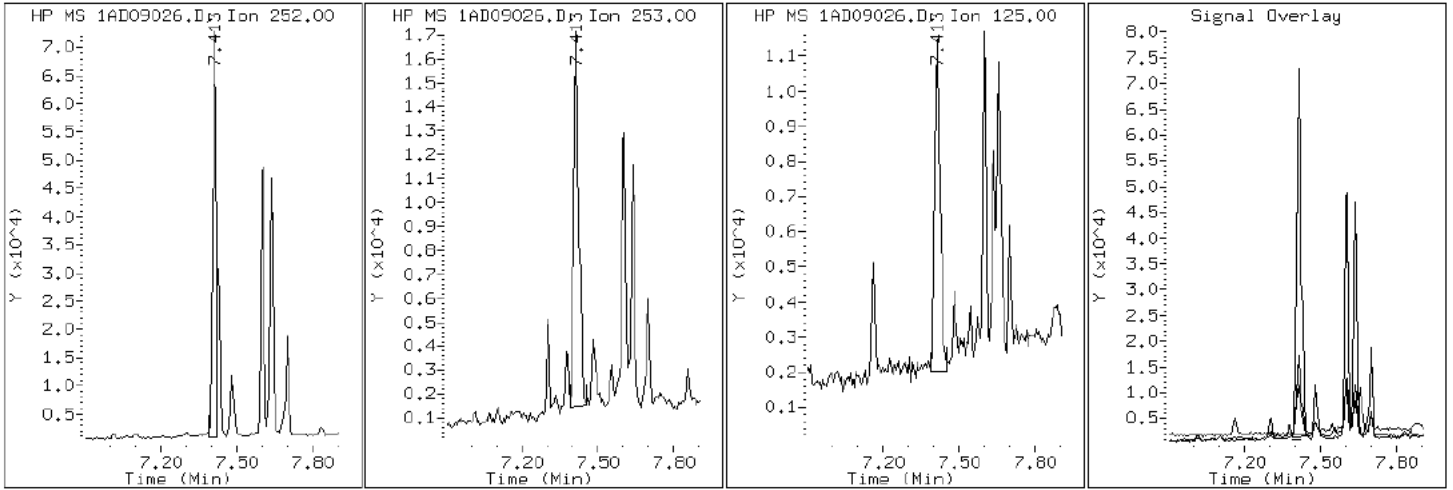
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

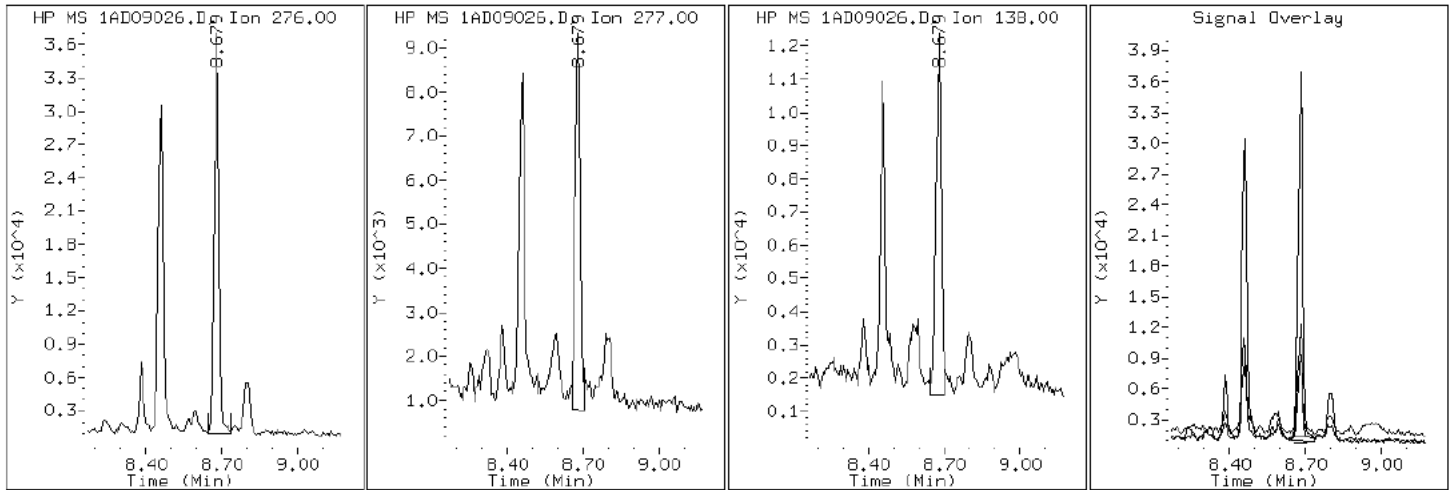
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

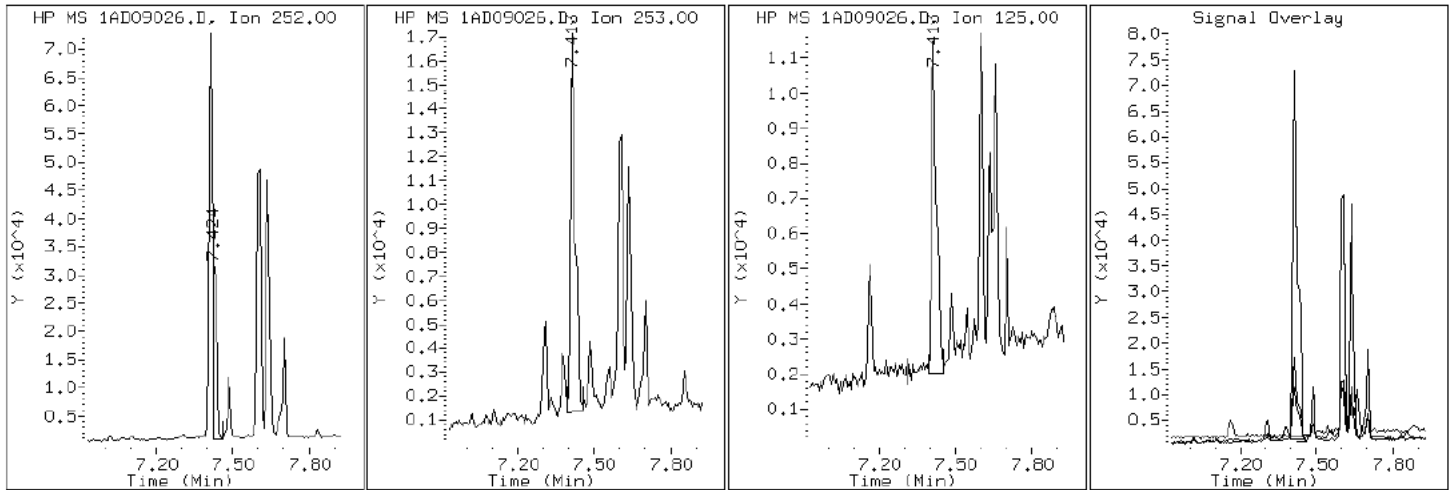
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

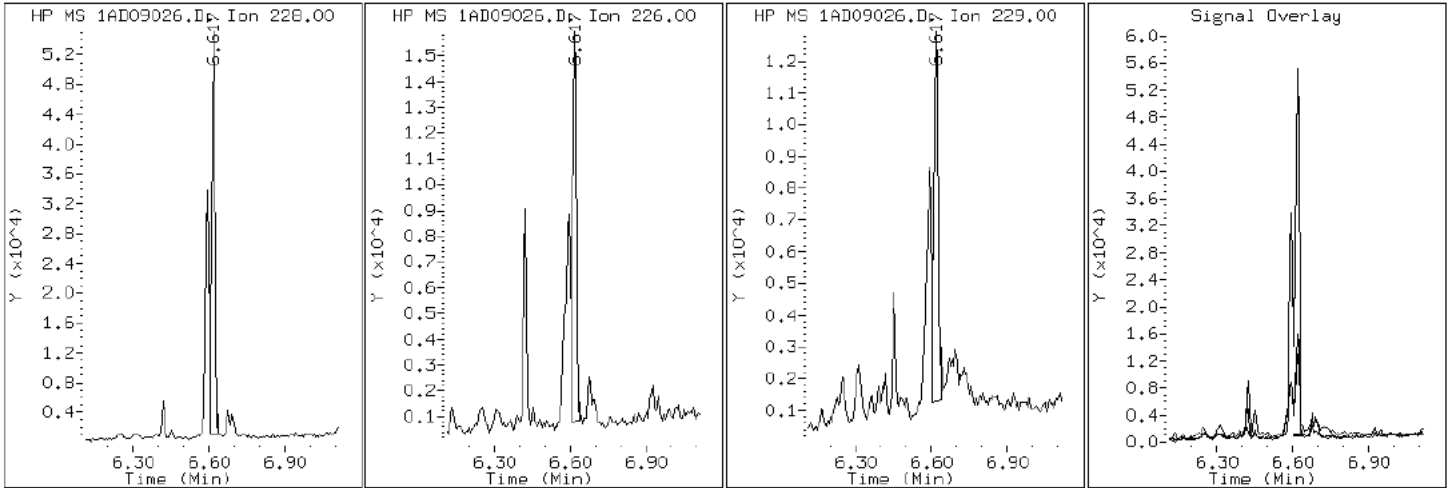
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

19 Chrysene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

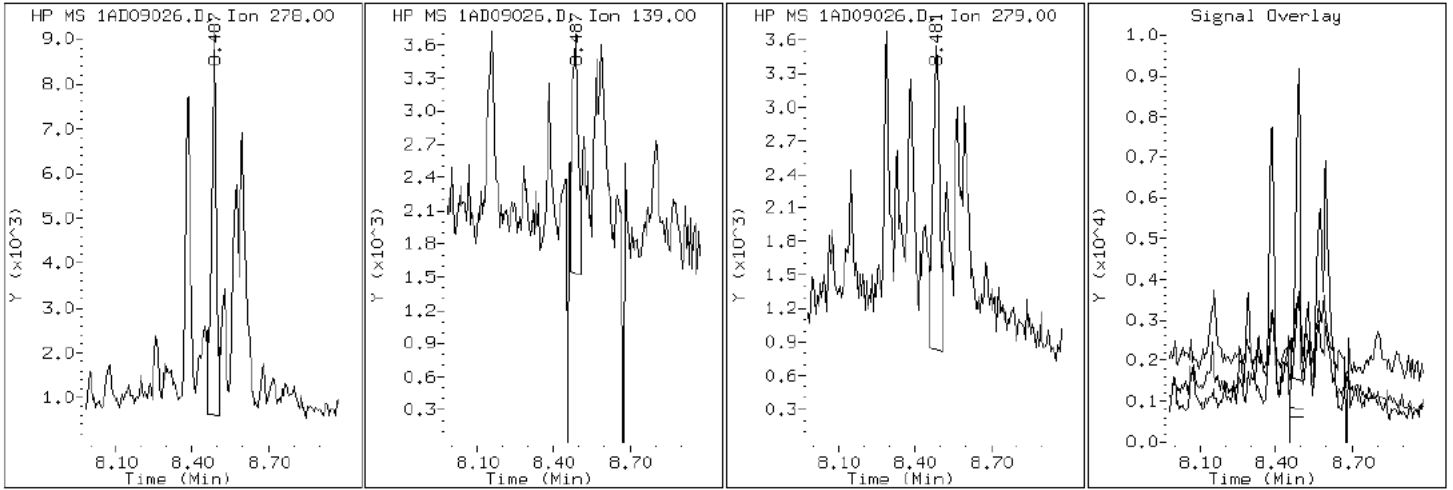
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

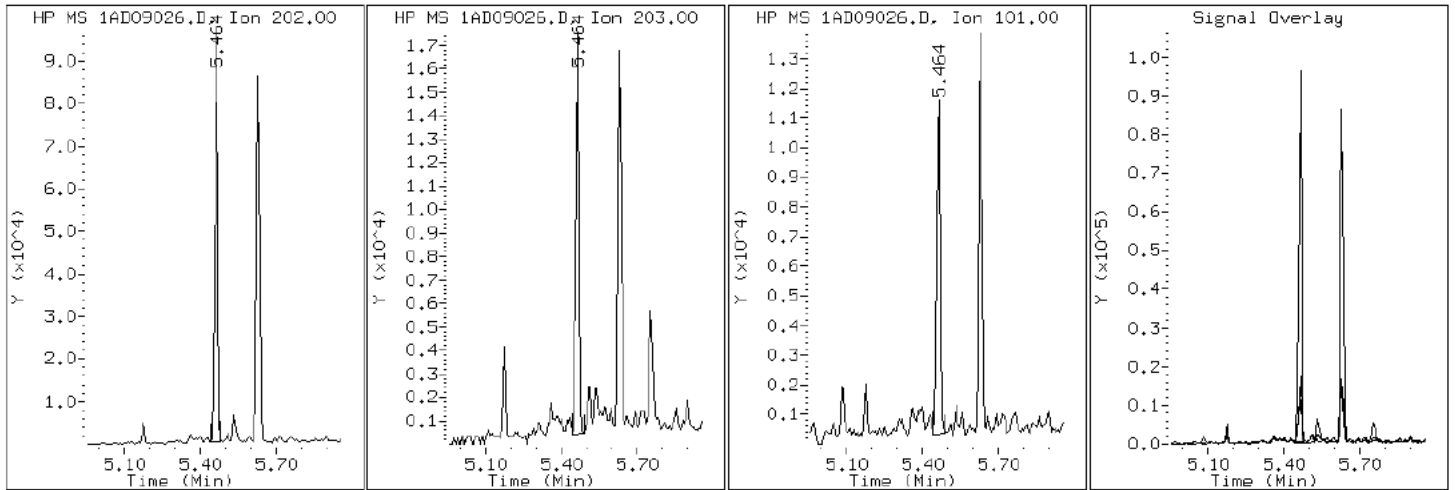
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

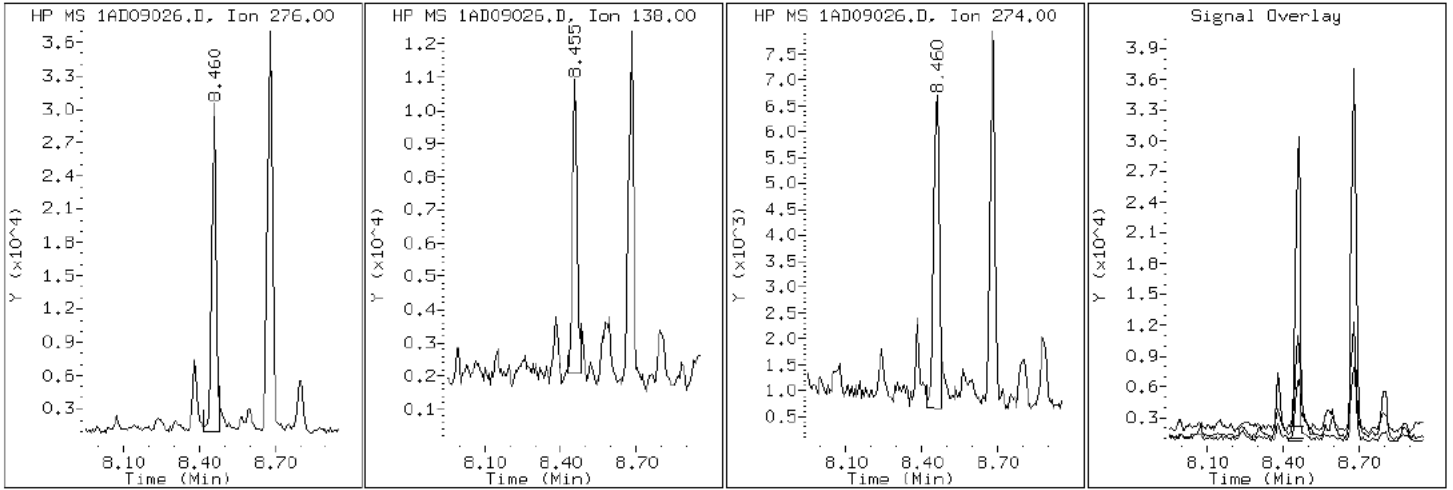
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

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



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

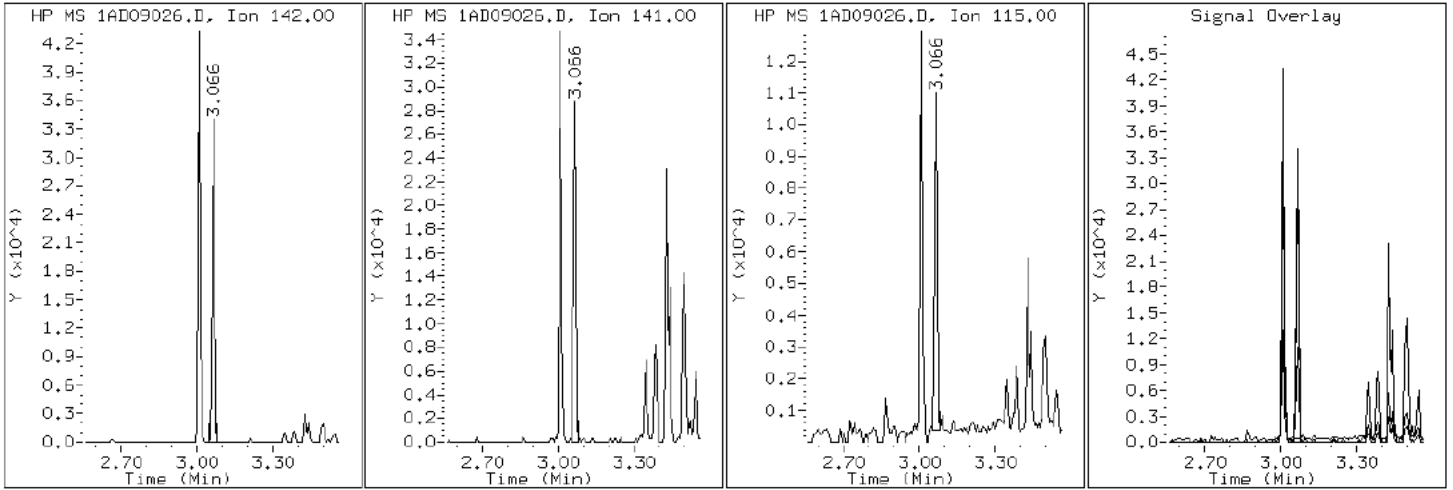
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

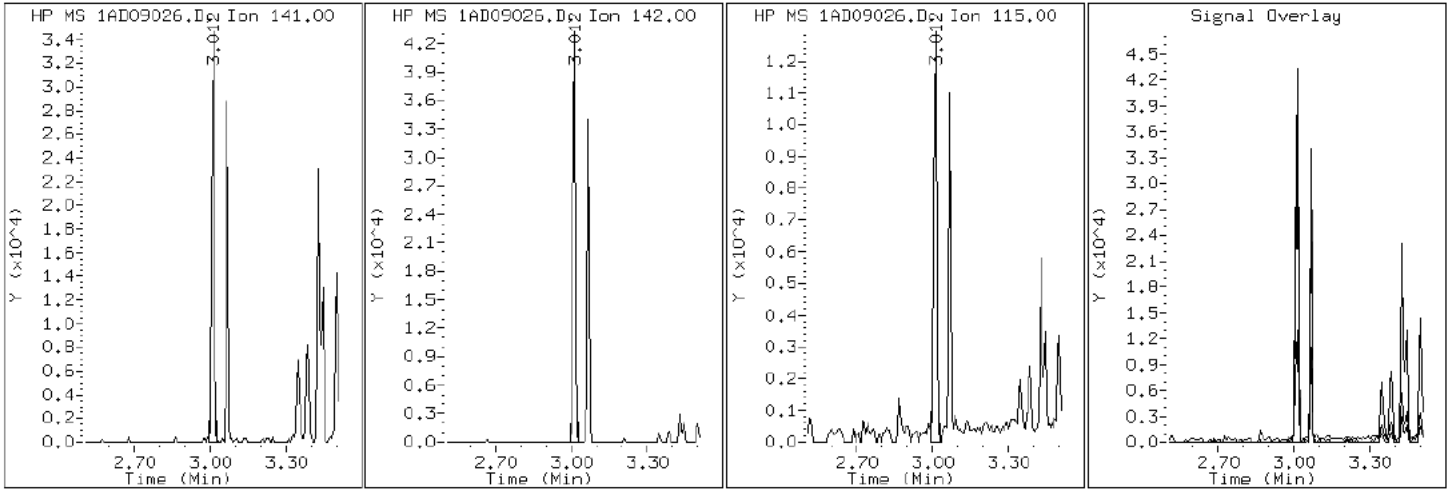
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

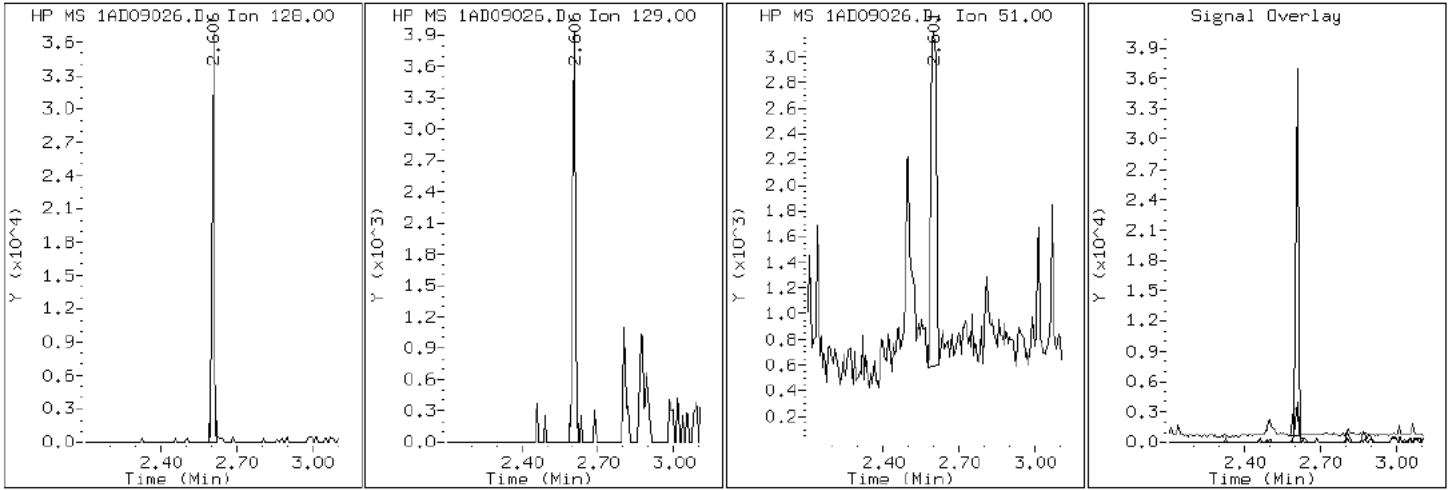
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

2 Naphthalene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

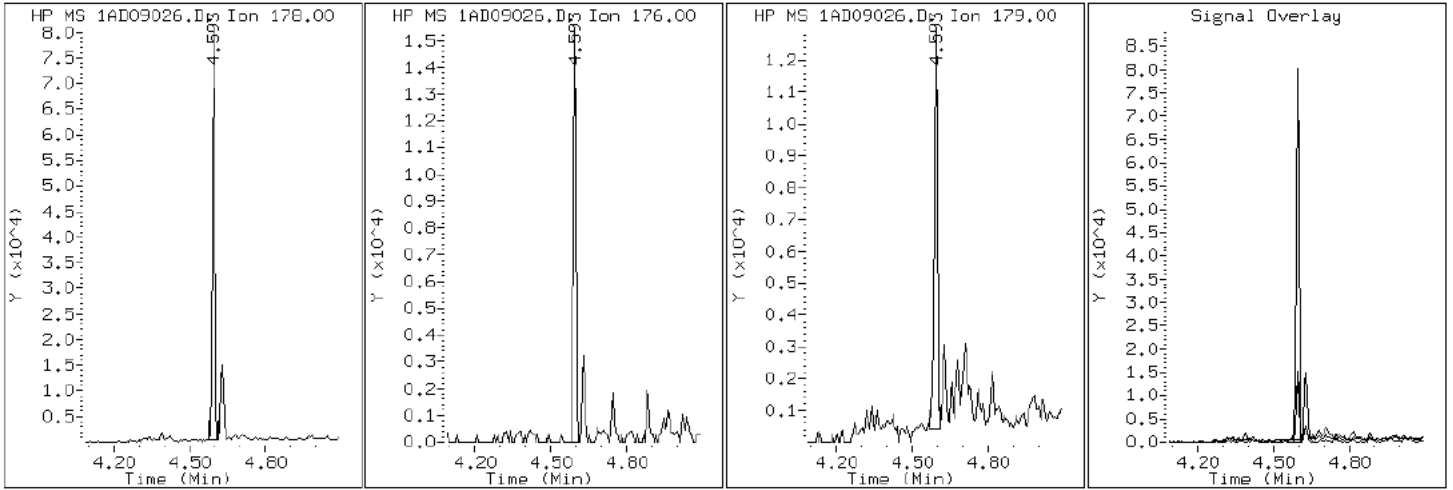
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09026.D

Date: 09-APR-2013 19:33

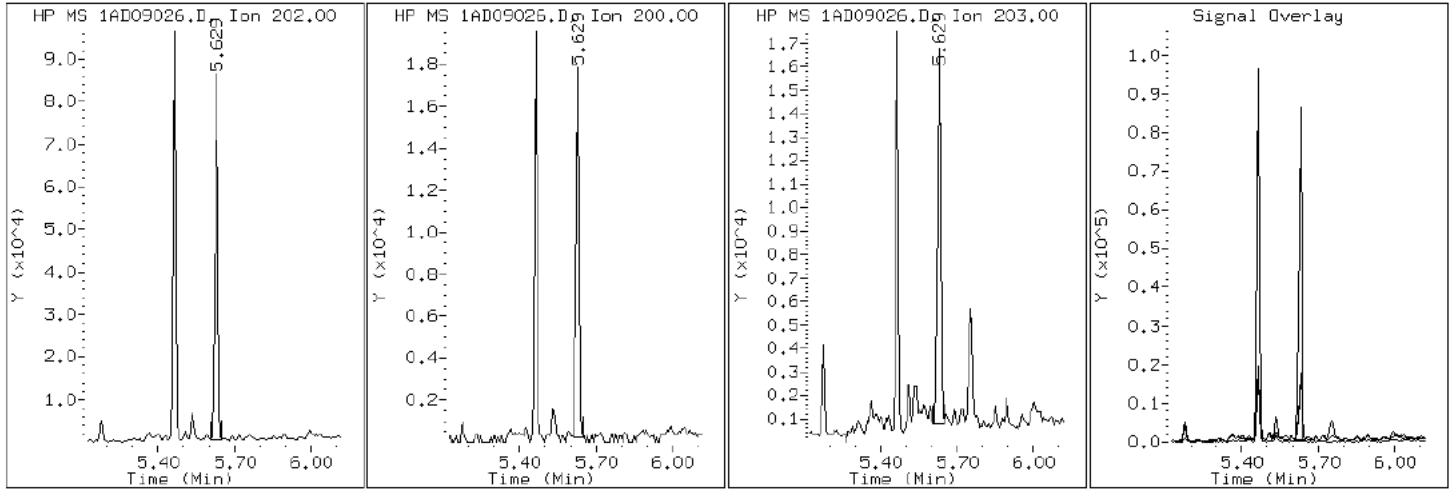
Client ID: CV1056A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-67-a

Operator: SCC

16 Pyrene

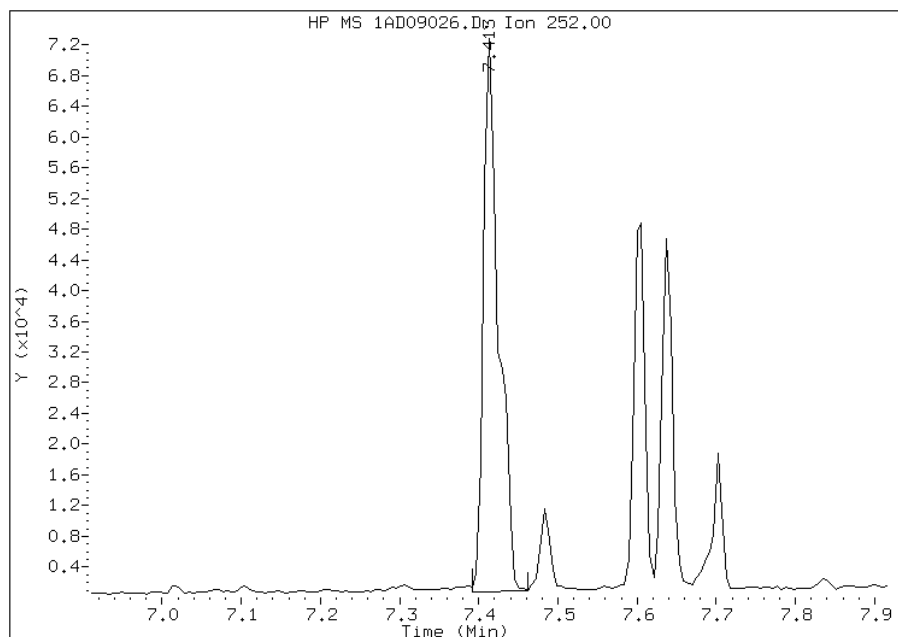


Manual Integration Report

Data File: 1AD09026.D
Inj. Date and Time: 09-APR-2013 19:33
Instrument ID: BSMA5973.i
Client ID: CV1056A-CSD
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

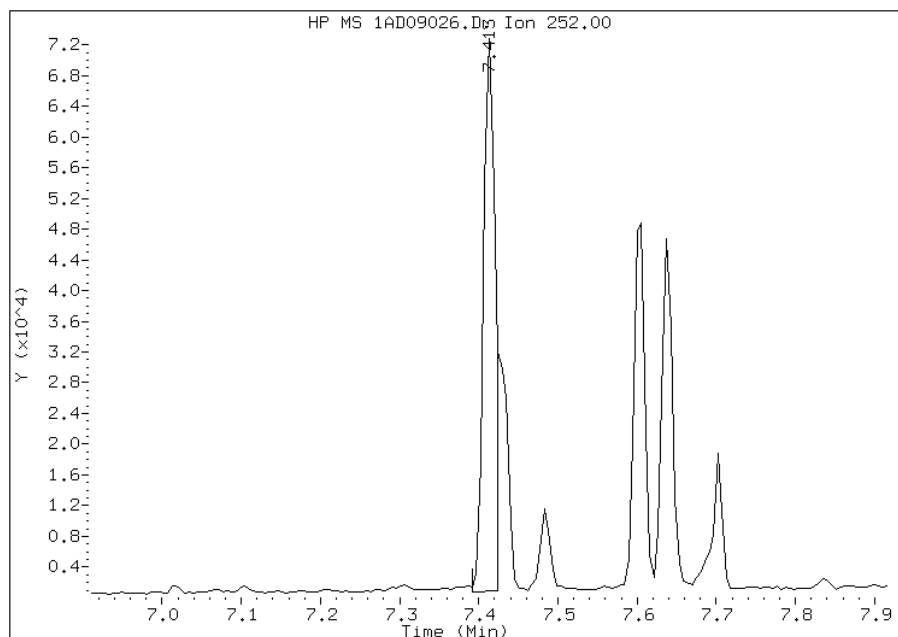
Processing Integration Results

RT: 7.41
Response: 94146
Amount: 2
Conc: 661



Manual Integration Results

RT: 7.41
Response: 73134
Amount: 2
Conc: 513



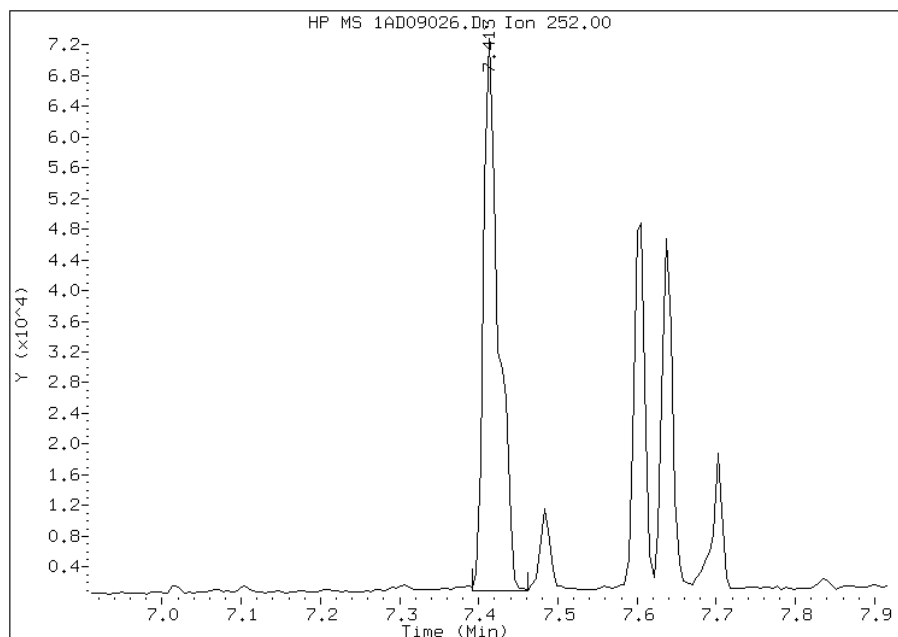
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:14
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09026.D
Inj. Date and Time: 09-APR-2013 19:33
Instrument ID: BSMA5973.i
Client ID: CV1056A-CSD
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

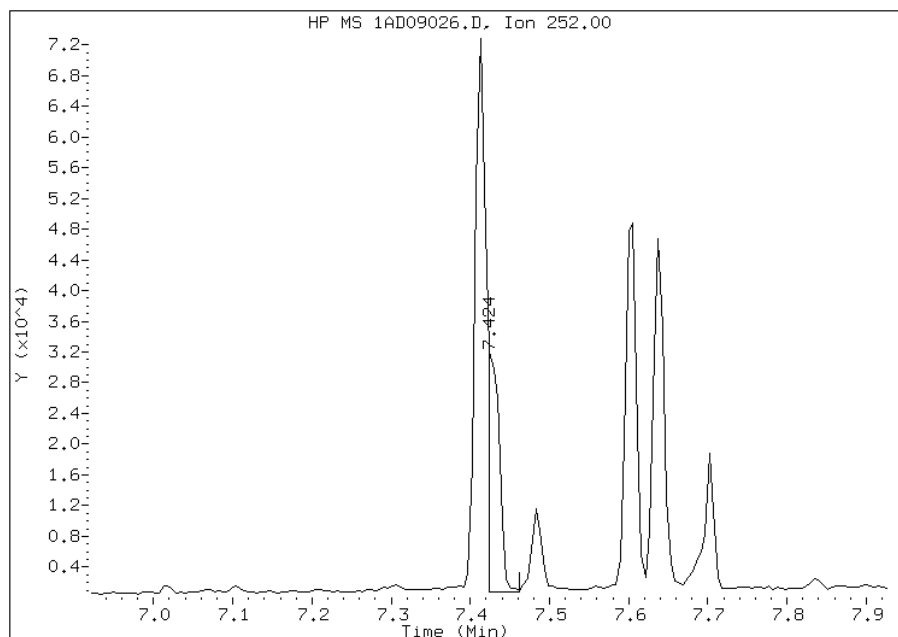
Processing Integration Results

RT: 7.41
Response: 94110
Amount: 2
Conc: 595



Manual Integration Results

RT: 7.42
Response: 31208
Amount: 1
Conc: 197



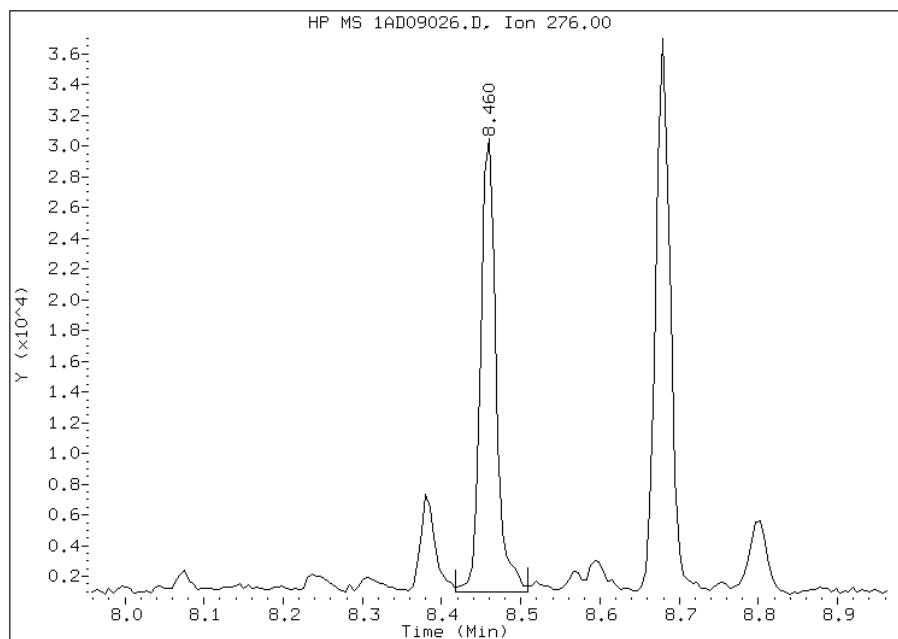
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:14
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09026.D
Inj. Date and Time: 09-APR-2013 19:33
Instrument ID: BSMA5973.i
Client ID: CV1056A-CSD
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

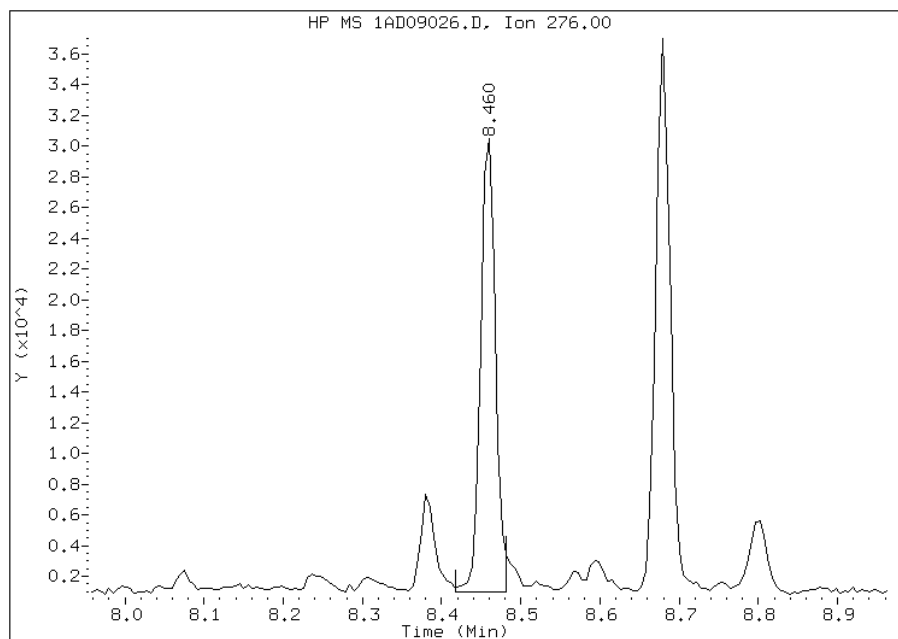
Processing Integration Results

RT: 8.46
Response: 39676
Amount: 1
Conc: 420



Manual Integration Results

RT: 8.46
Response: 38046
Amount: 1
Conc: 408



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:14
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1056B-CS Lab Sample ID: 680-88811-68
 Matrix: Solid Lab File ID: 1AD09027.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:55
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.39(g) Date Analyzed: 04/09/2013 19:48
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 16.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 460 | U | 460 | 93 |
| 208-96-8 | Acenaphthylene | 190 | U | 190 | 23 |
| 120-12-7 | Anthracene | 180 | | 39 | 19 |
| 56-55-3 | Benzo[a]anthracene | 500 | | 37 | 18 |
| 50-32-8 | Benzo[a]pyrene | 310 | | 48 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 790 | | 57 | 28 |
| 191-24-2 | Benzo[g,h,i]perylene | 480 | | 93 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 370 | | 37 | 17 |
| 218-01-9 | Chrysene | 600 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 130 | | 93 | 19 |
| 206-44-0 | Fluoranthene | 820 | | 93 | 19 |
| 86-73-7 | Fluorene | 93 | U | 93 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 560 | | 93 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 190 | U | 190 | 20 |
| 91-57-6 | 2-Methylnaphthalene | 190 | U | 190 | 33 |
| 91-20-3 | Naphthalene | 190 | U | 190 | 20 |
| 85-01-8 | Phenanthrene | 350 | | 37 | 18 |
| 129-00-0 | Pyrene | 870 | | 93 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 53 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09027.D
 Lab Smp Id: 680-88811-A-68-A Client Smp ID: CV1056B-CS
 Inj Date : 09-APR-2013 19:48
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-68-a
 Misc Info : 680-88811-A-68-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 27
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.390 | Weight Extracted |
| M | 16.027 | % 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 | RT | EXP RT | REL RT |
| * 1 Naphthalene-d8 | 136 | 2.594 | 2.591 | (1.000) | 1641381 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.625 | 3.622 | (1.000) | 872330 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.581 | 4.573 | (1.000) | 1392375 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.886 | 4.877 | (1.066) | 40516 | 1.31769 | 407.8460 |
| * 18 Chrysene-d12 | 240 | 6.605 | 6.597 | (1.000) | 1319035 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.690 | 7.676 | (1.000) | 1526020 | 40.0000 | |
| 11 Phenanthrene | 178 | 4.597 | 4.589 | (1.003) | 55039 | 1.11749 | 345.8789 |
| 12 Anthracene | 178 | 4.629 | 4.626 | (1.010) | 18695 | 0.58897 | 182.2954 |
| 13 Carbazole | 167 | 4.757 | 4.755 | (1.038) | 8817 | 0.22807 | 70.5916 |
| 15 Fluoranthene | 202 | 5.462 | 5.454 | (1.192) | 161465 | 2.65416 | 821.5037 |
| 16 Pyrene | 202 | 5.628 | 5.620 | (0.852) | 142099 | 2.79568 | 865.3060 |
| 17 Benzo(a)anthracene | 228 | 6.595 | 6.581 | (0.998) | 70840 | 1.61004 | 498.3313 |
| 19 Chrysene | 228 | 6.621 | 6.613 | (1.002) | 87603 | 1.95219 | 604.2328 |
| 20 Benzo(b)fluoranthene | 252 | 7.412 | 7.404 | (0.964) | 118844 | 2.56840 | 794.9594(M) |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | ===== |
| 21 Benzo(k)fluoranthene | 252 | 7.423 | 7.425 | (0.965) | 62092 | 1.20821 | 373.9605(M) |
| 22 Benzo(a)pyrene | 252 | 7.636 | 7.628 | (0.993) | 82094 | 0.99480 | 307.9067 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.459 | 8.451 | (1.100) | 62732 | 1.82387 | 564.5167(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.485 | 8.477 | (1.103) | 16190 | 0.41965 | 129.8873 |
| 26 Benzo(g,h,i)perylene | 276 | 8.678 | 8.670 | (1.128) | 63884 | 1.53703 | 475.7329 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD09027.D

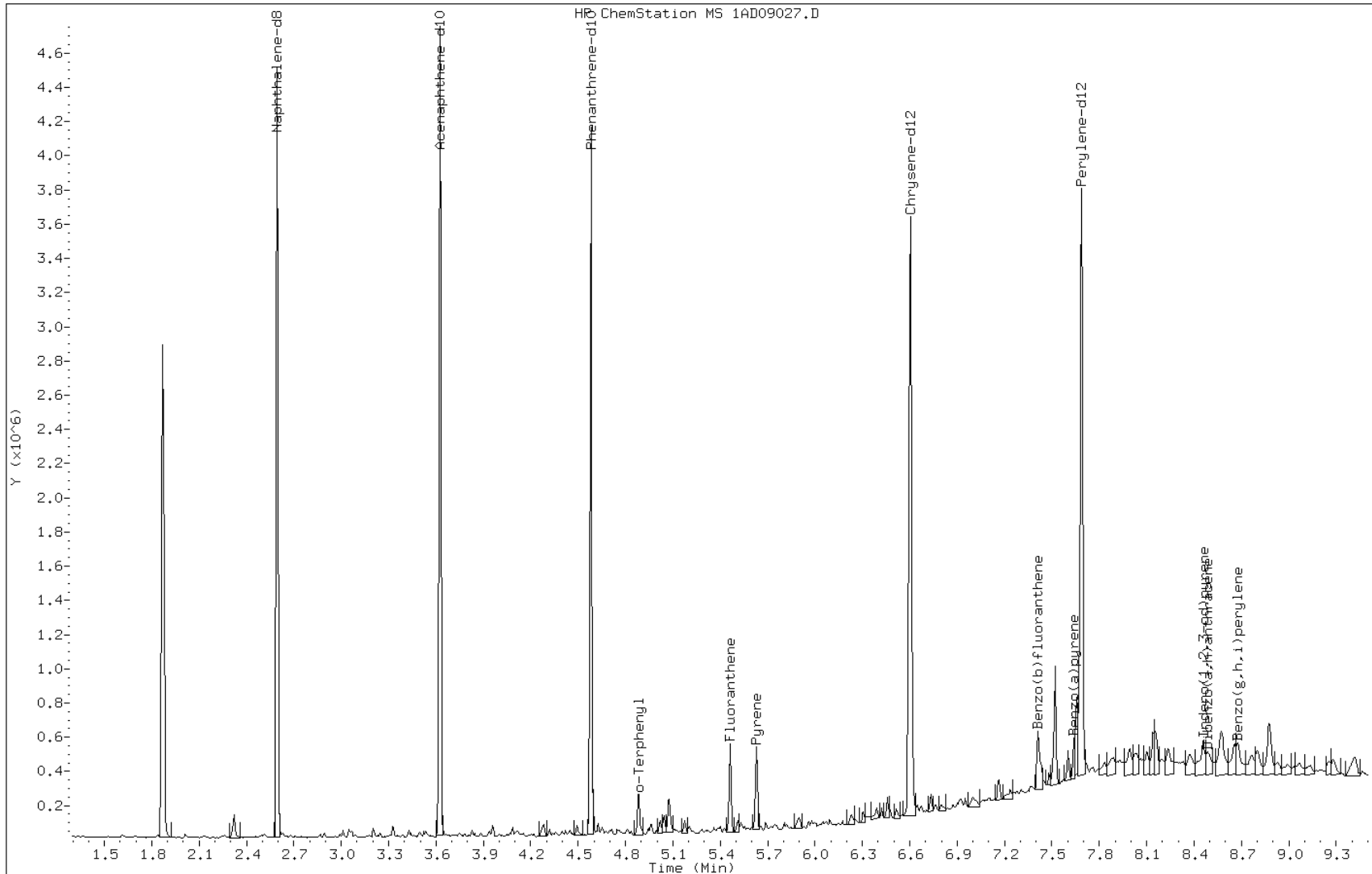
Date: 09-APR-2013 19:48

Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

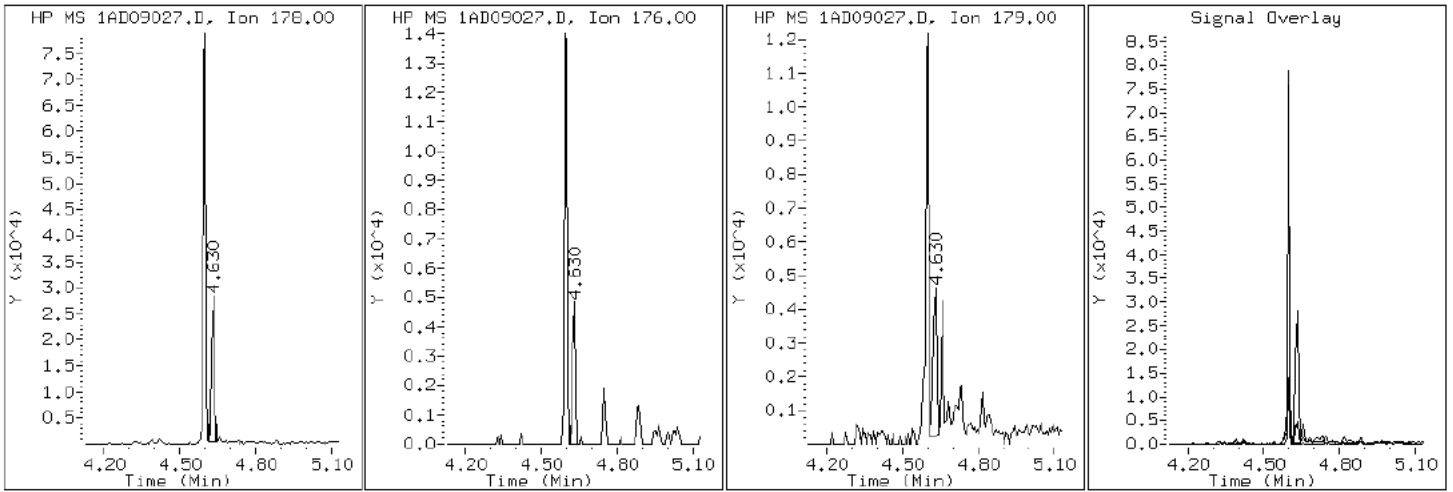
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

12 Anthracene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

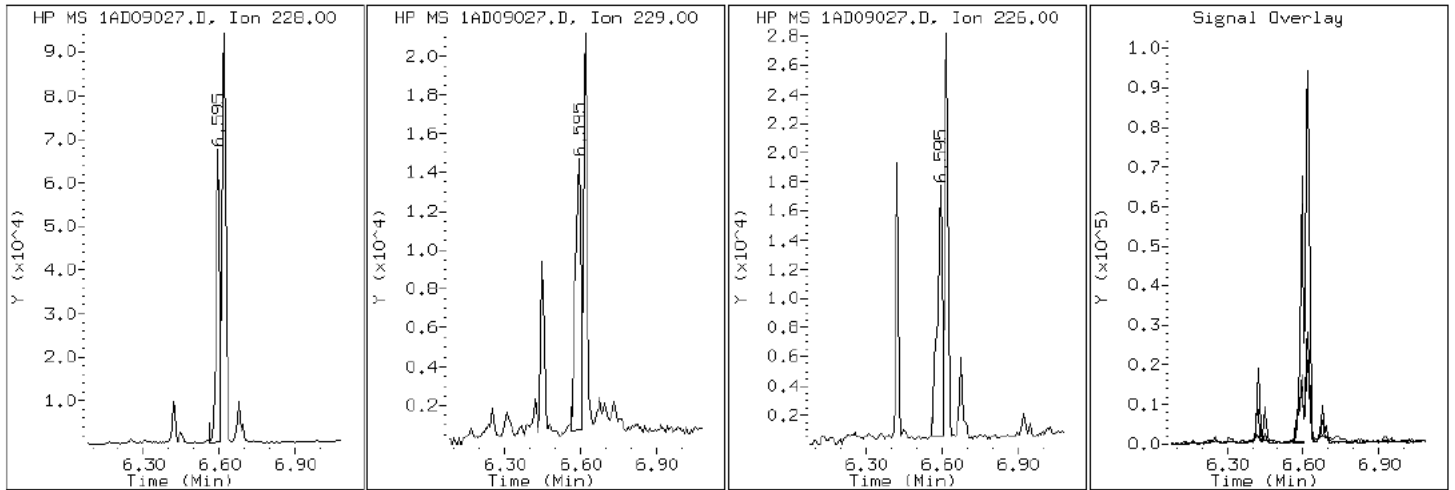
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

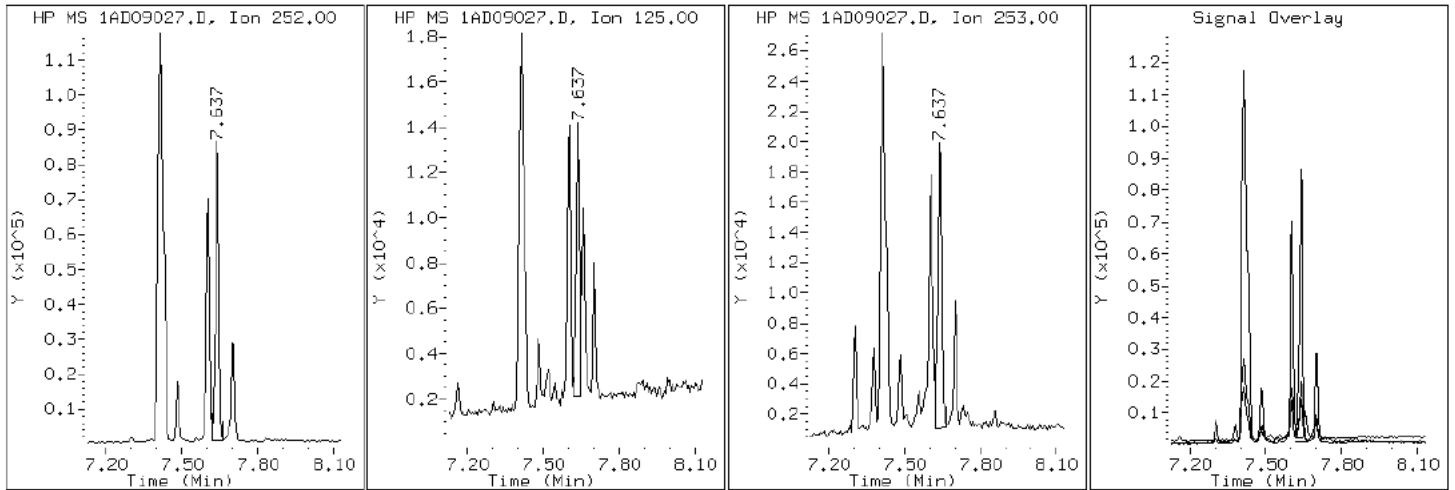
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

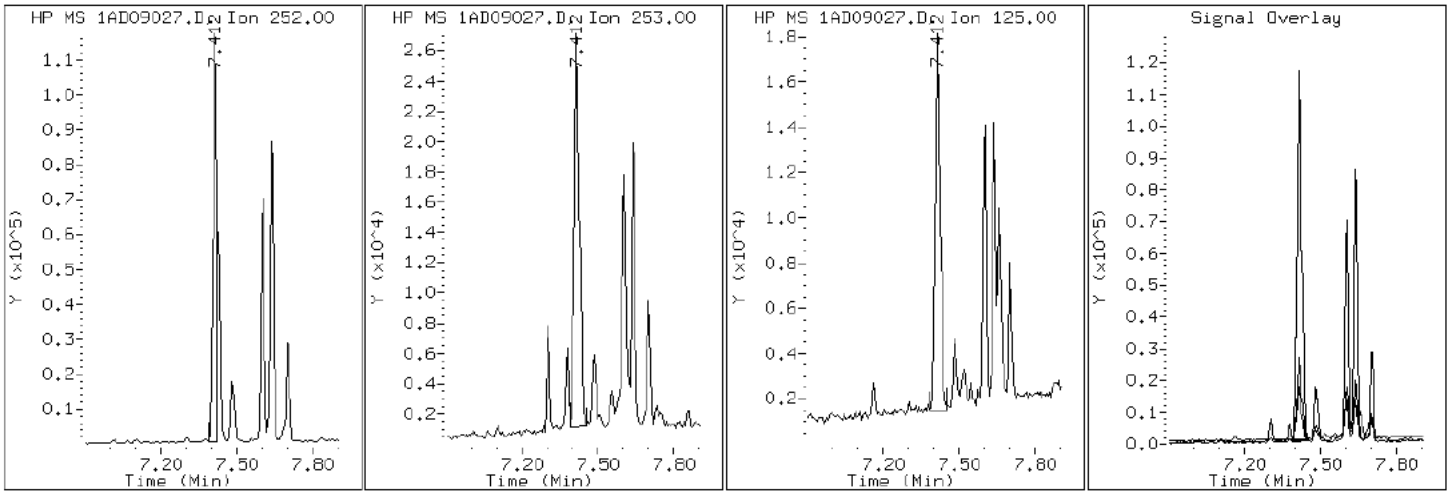
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

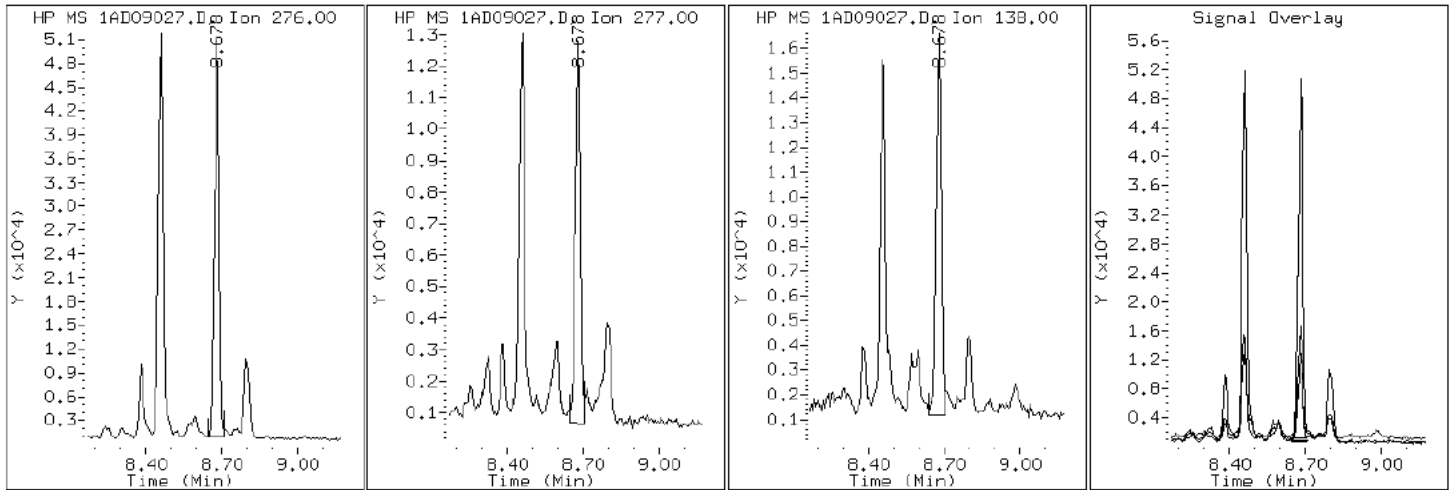
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

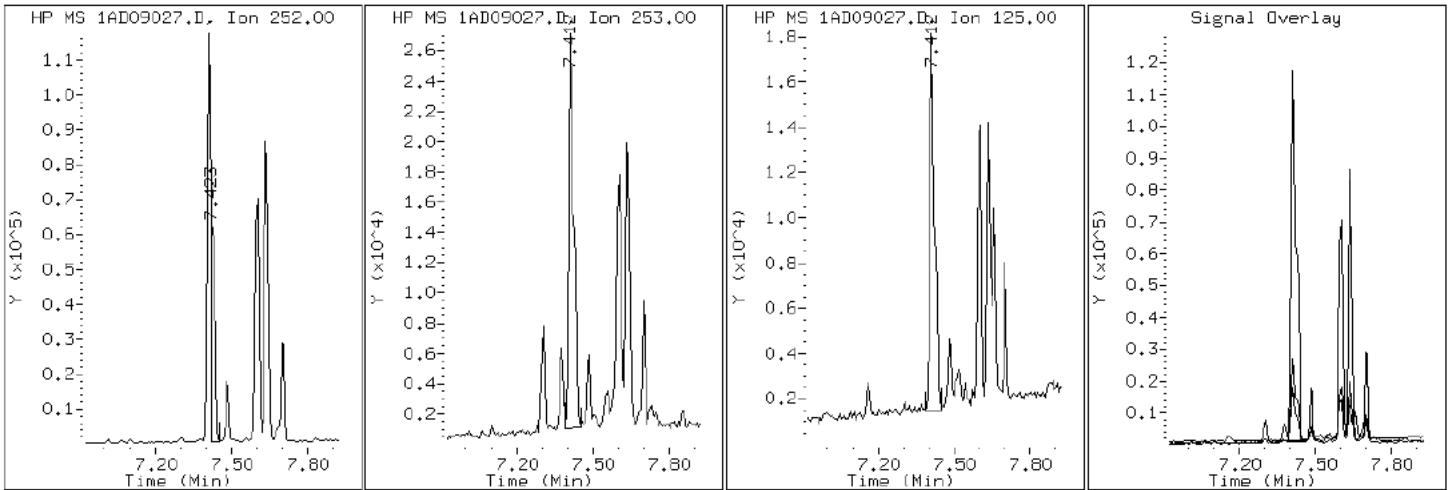
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

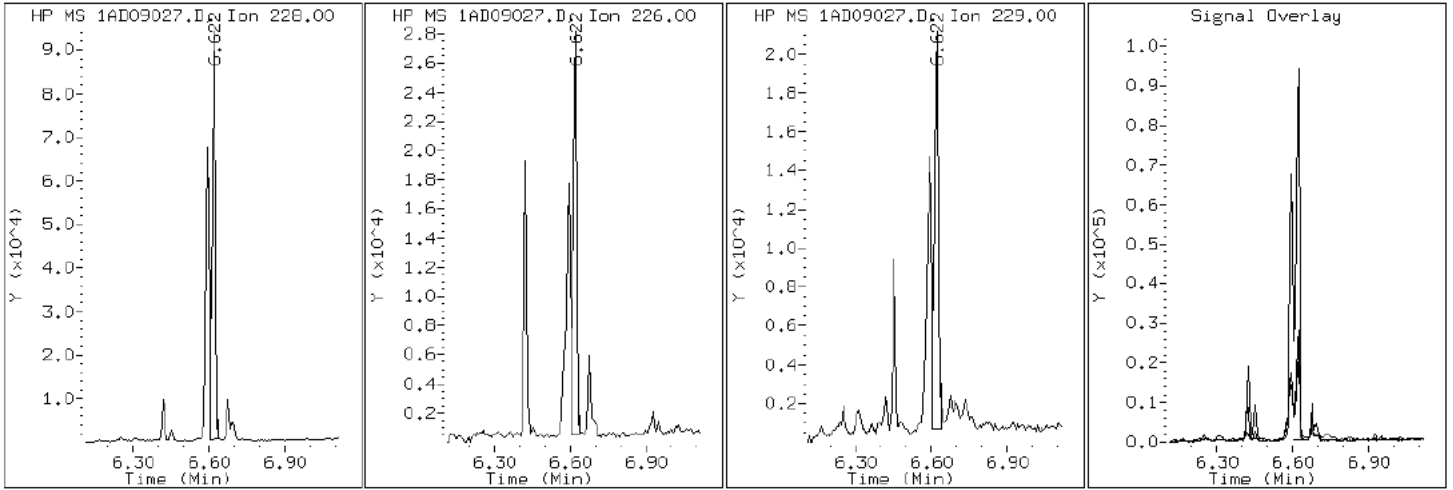
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

19 Chrysene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

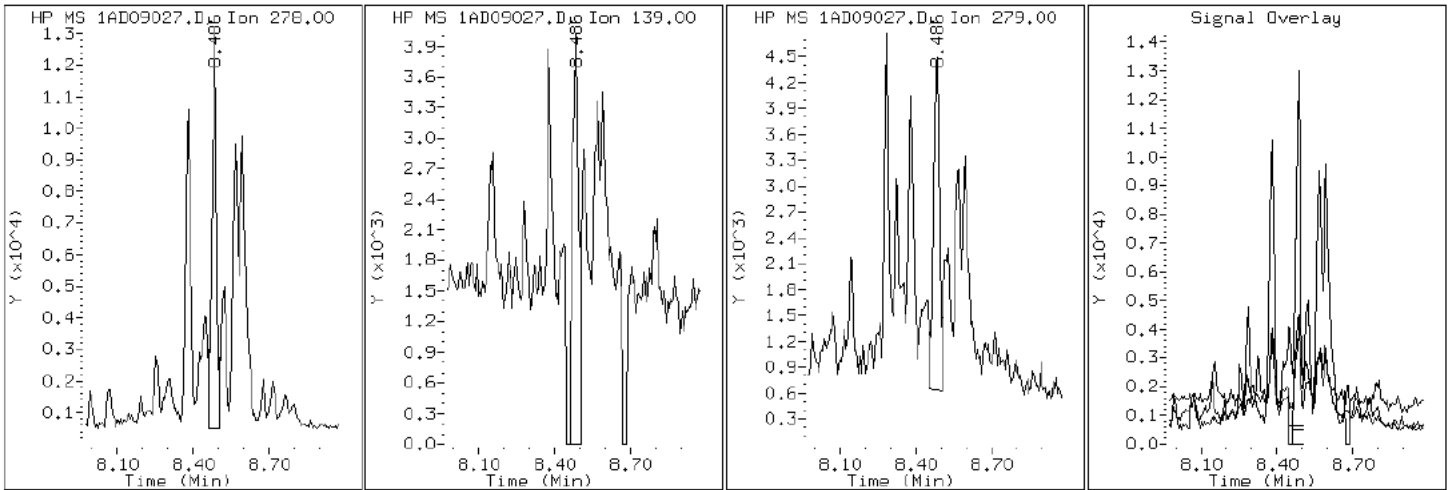
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

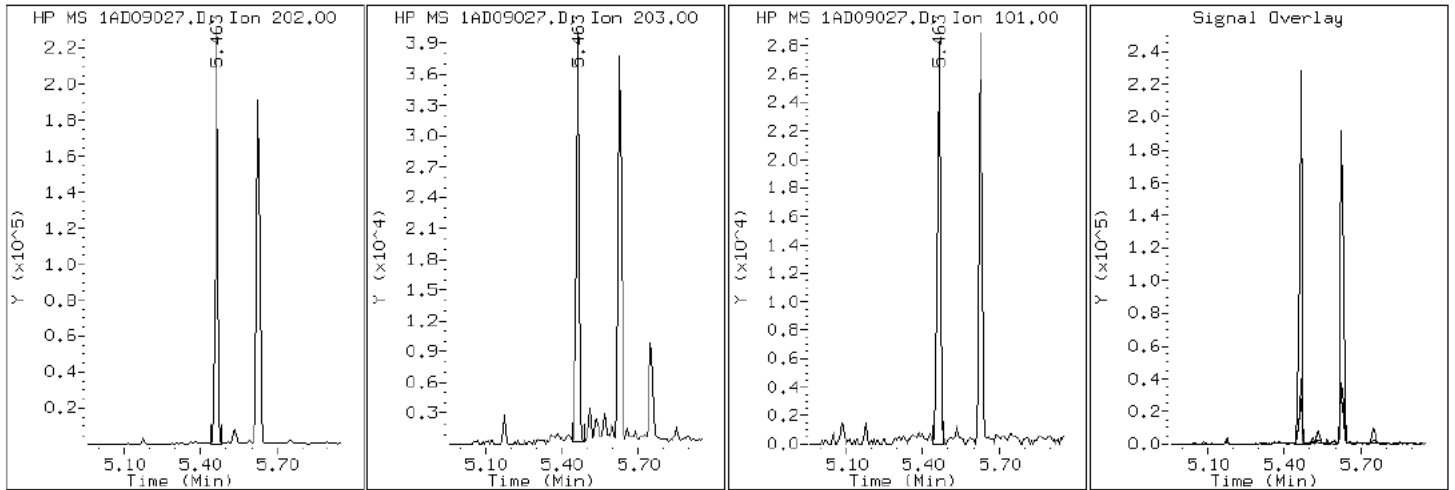
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

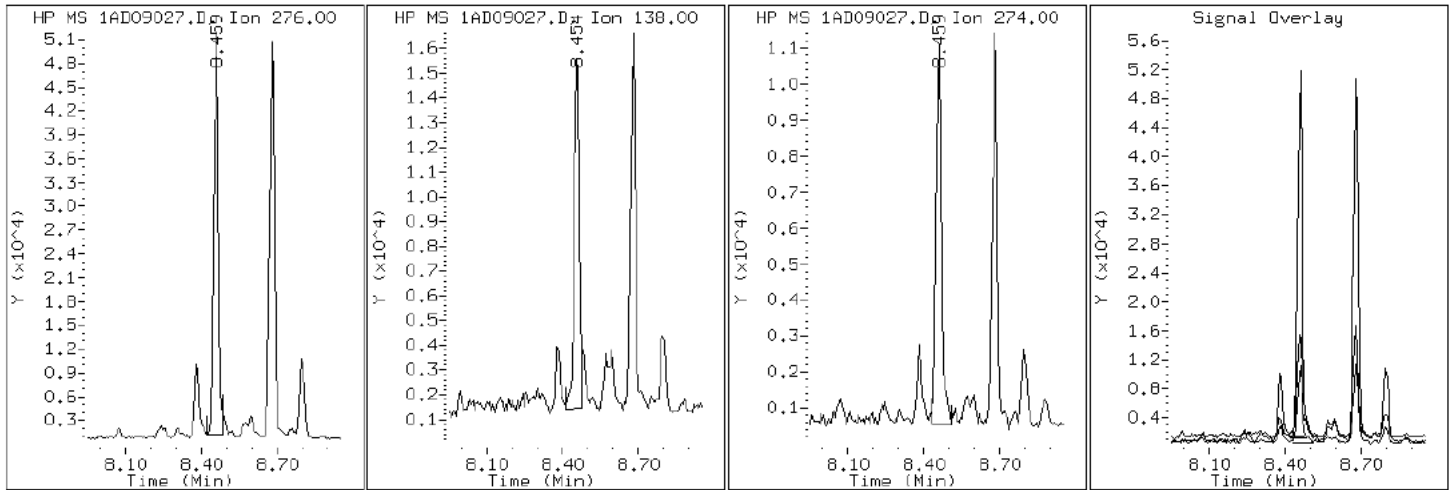
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

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



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

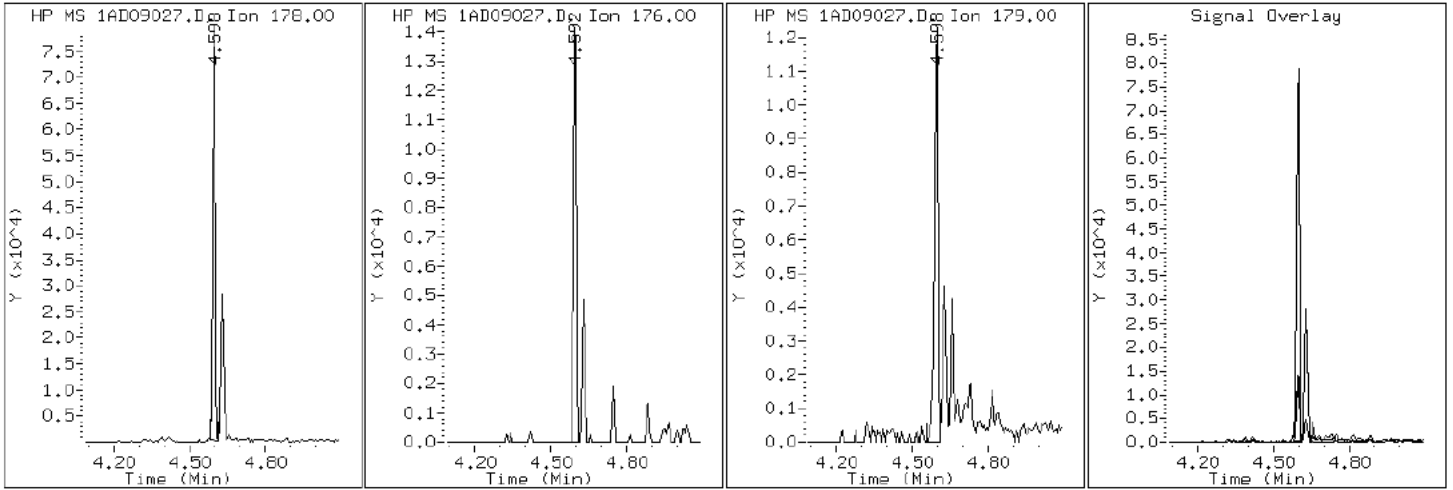
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09027.D

Date: 09-APR-2013 19:48

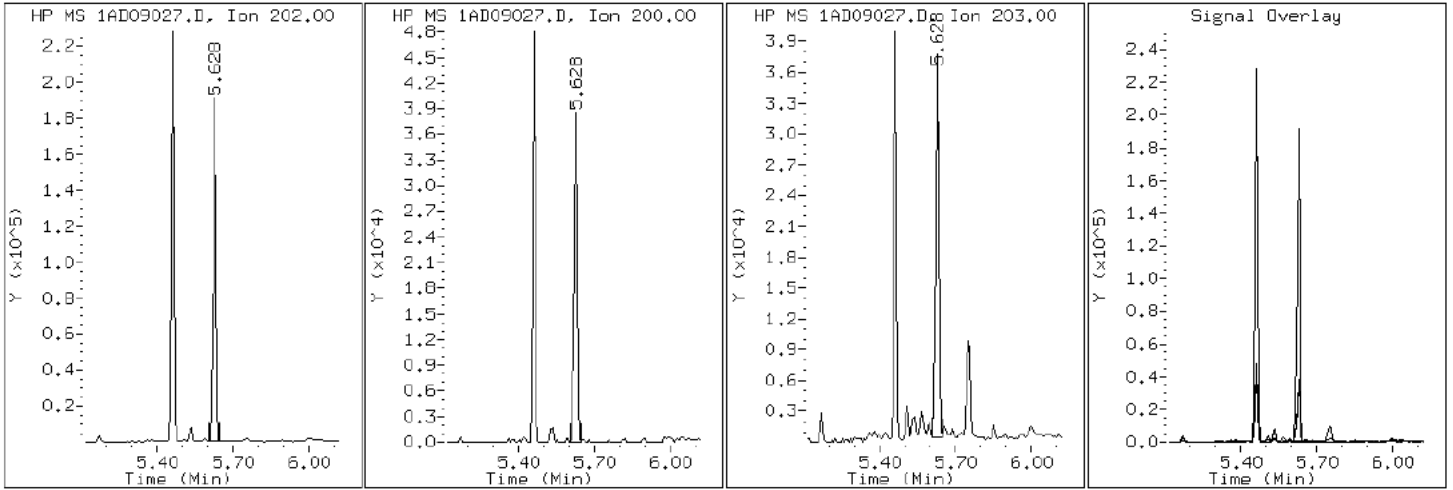
Client ID: CV1056B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-68-a

Operator: SCC

16 Pyrene

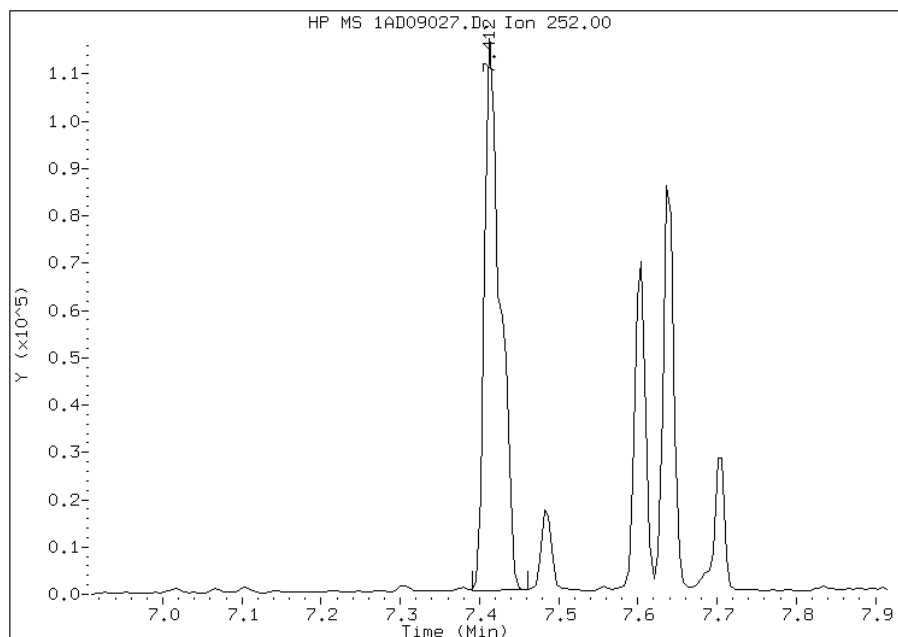


Manual Integration Report

Data File: 1AD09027.D
Inj. Date and Time: 09-APR-2013 19:48
Instrument ID: BSMA5973.i
Client ID: CV1056B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

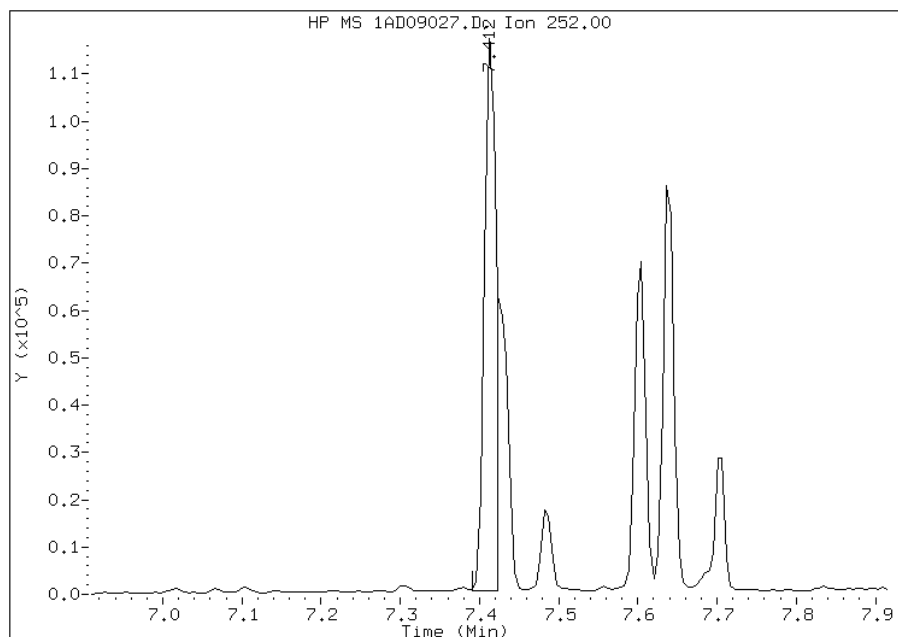
Processing Integration Results

RT: 7.41
Response: 160849
Amount: 3
Conc: 1076



Manual Integration Results

RT: 7.41
Response: 118844
Amount: 3
Conc: 795



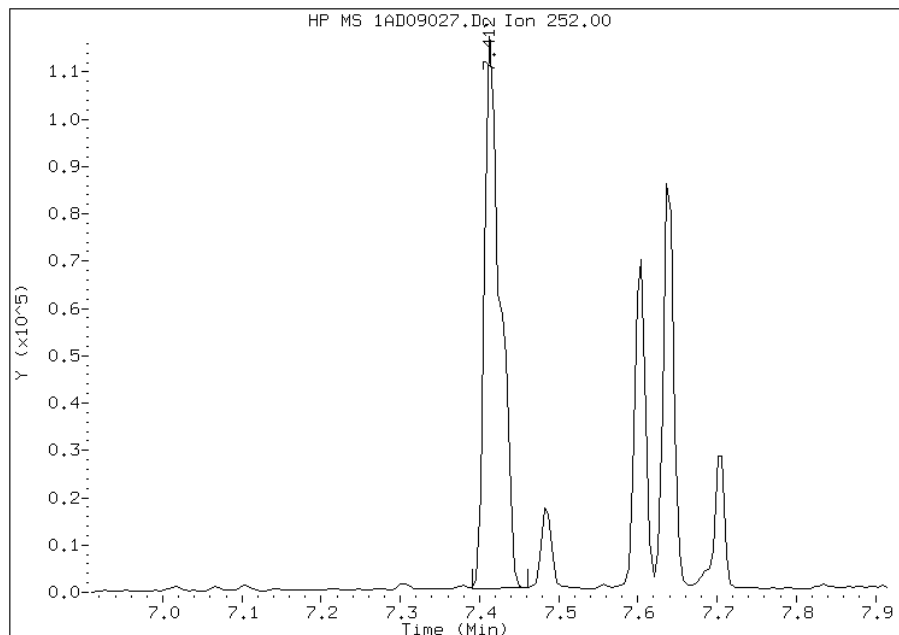
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:14
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09027.D
Inj. Date and Time: 09-APR-2013 19:48
Instrument ID: BSMA5973.i
Client ID: CV1056B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

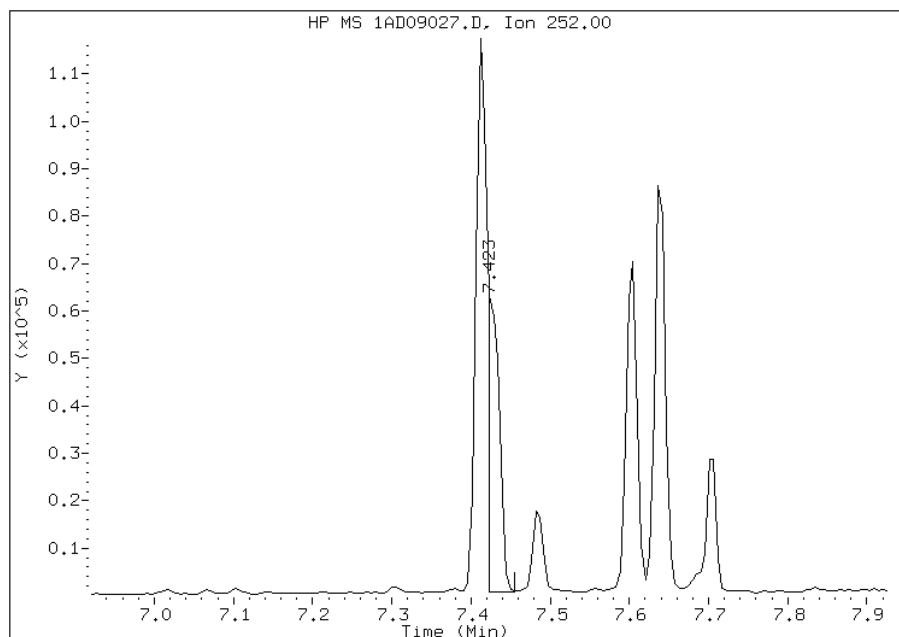
Processing Integration Results

RT: 7.41
Response: 160854
Amount: 3
Conc: 969



Manual Integration Results

RT: 7.42
Response: 62092
Amount: 1
Conc: 374



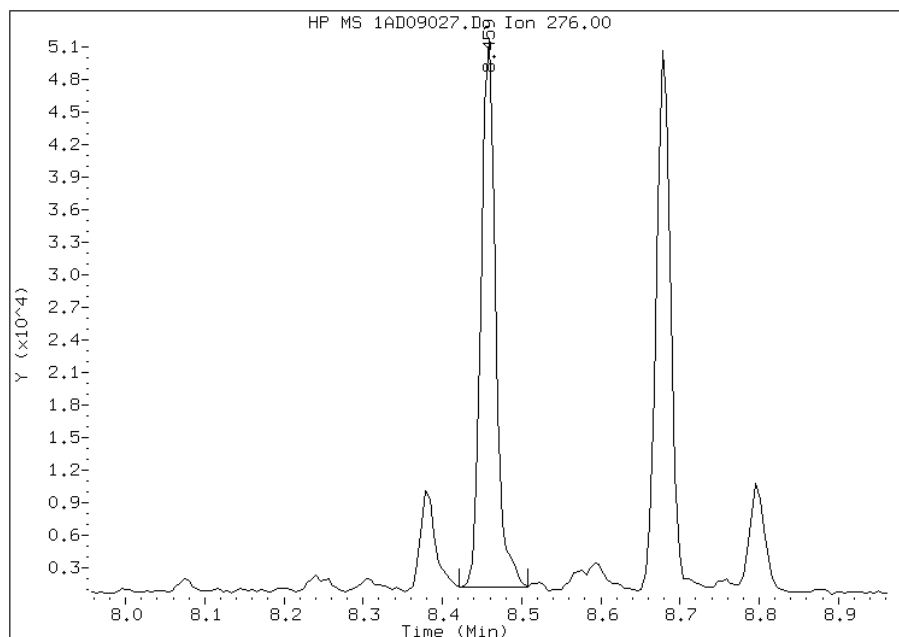
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:15
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09027.D
Inj. Date and Time: 09-APR-2013 19:48
Instrument ID: BSMA5973.i
Client ID: CV1056B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

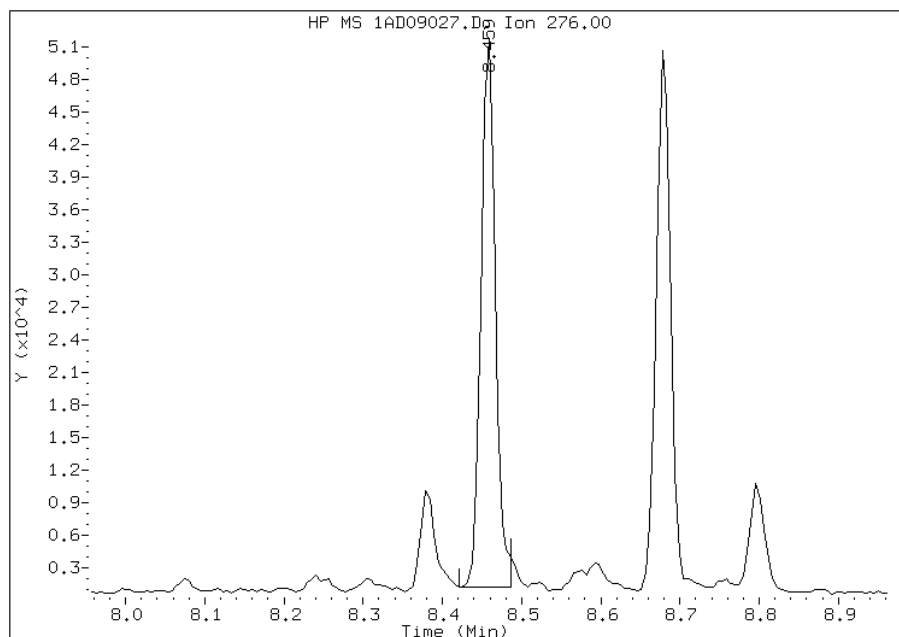
Processing Integration Results

RT: 8.46
Response: 63788
Amount: 2
Conc: 572



Manual Integration Results

RT: 8.46
Response: 62732
Amount: 2
Conc: 565



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:15
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1124A-CS Lab Sample ID: 680-88811-69
 Matrix: Solid Lab File ID: 1AD09028.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:05
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 14.75(g) Date Analyzed: 04/09/2013 20:03
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 15.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 480 | U | 480 | 96 |
| 208-96-8 | Acenaphthylene | 190 | U | 190 | 24 |
| 120-12-7 | Anthracene | 40 | U | 40 | 20 |
| 56-55-3 | Benzo[a]anthracene | 210 | | 38 | 19 |
| 50-32-8 | Benzo[a]pyrene | 50 | U | 50 | 25 |
| 205-99-2 | Benzo[b]fluoranthene | 400 | | 59 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 230 | | 96 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 120 | | 38 | 17 |
| 218-01-9 | Chrysene | 250 | | 43 | 22 |
| 53-70-3 | Dibenz(a,h)anthracene | 68 | J | 96 | 20 |
| 206-44-0 | Fluoranthene | 320 | | 96 | 19 |
| 86-73-7 | Fluorene | 96 | U | 96 | 20 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 340 | | 96 | 34 |
| 90-12-0 | 1-Methylnaphthalene | 190 | U | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 190 | U | 190 | 34 |
| 91-20-3 | Naphthalene | 190 | U | 190 | 21 |
| 85-01-8 | Phenanthrene | 260 | | 38 | 19 |
| 129-00-0 | Pyrene | 310 | | 96 | 18 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 76 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09028.D
 Lab Smp Id: 680-88811-A-69-A Client Smp ID: CV1124A-CS
 Inj Date : 09-APR-2013 20:03
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-69-a
 Misc Info : 680-88811-A-69-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 28
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.750 | Weight Extracted |
| M | 15.333 | % 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/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.592 | 2.591 | (1.000) | 1696941 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.628 | 3.622 | (1.000) | 895503 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.579 | 4.573 | (1.000) | 1400118 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.883 | 4.877 | (1.066) | 59700 | 1.90307 | 609.5523 |
| * 18 Chrysene-d12 | 240 | 6.603 | 6.597 | (1.000) | 1341263 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.687 | 7.676 | (1.000) | 1524042 | 40.0000 | |
| 11 Phenanthrene | 178 | 4.595 | 4.589 | (1.003) | 34681 | 0.80552 | 258.0083 |
| 13 Carbazole | 167 | 4.760 | 4.755 | (1.040) | 5899 | 0.17458 | 55.9190 |
| 15 Fluoranthene | 202 | 5.460 | 5.454 | (1.192) | 60889 | 1.00693 | 322.5201 |
| 16 Pyrene | 202 | 5.626 | 5.620 | (0.852) | 50317 | 0.97354 | 311.8237 |
| 17 Benzo(a)anthracene | 228 | 6.598 | 6.581 | (0.999) | 29693 | 0.66367 | 212.5736 |
| 19 Chrysene | 228 | 6.619 | 6.613 | (1.002) | 35057 | 0.76828 | 246.0797 |
| 20 Benzo(b)fluoranthene | 252 | 7.415 | 7.404 | (0.965) | 57886 | 1.25263 | 401.2156(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.426 | 7.425 | (0.966) | 19520 | 0.38032 | 121.8166(QM) |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.456 | 8.451 | (1.100) | 29315 | 1.06634 | 341.5478(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.483 | 8.477 | (1.104) | 8170 | 0.21204 | 67.9170 |
| 26 Benzo(g,h,i)perylene | 276 | 8.675 | 8.670 | (1.129) | 30242 | 0.72856 | 233.3556 |

QC Flag Legend

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

Data File: 1AD09028.D

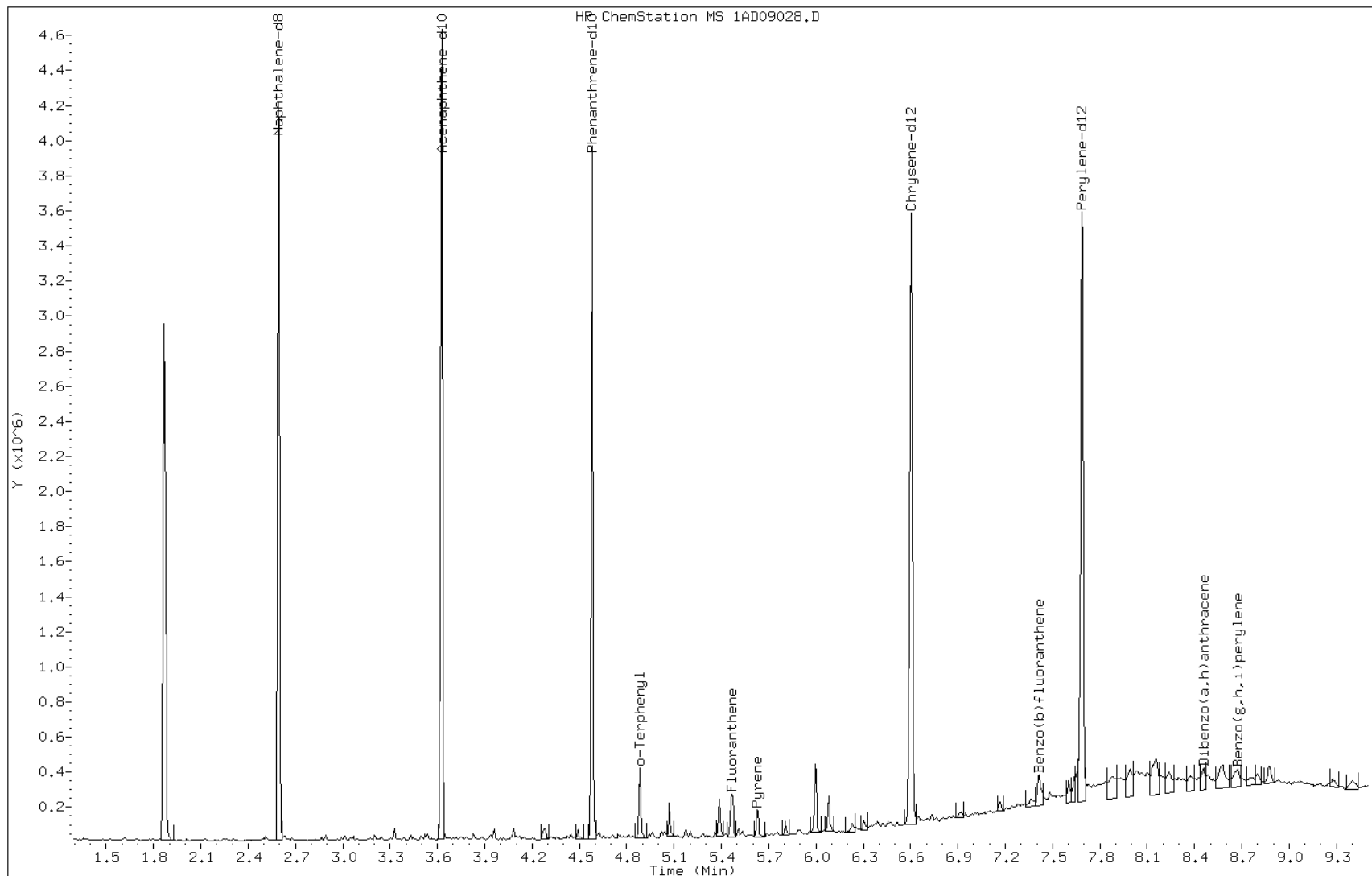
Date: 09-APR-2013 20:03

Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

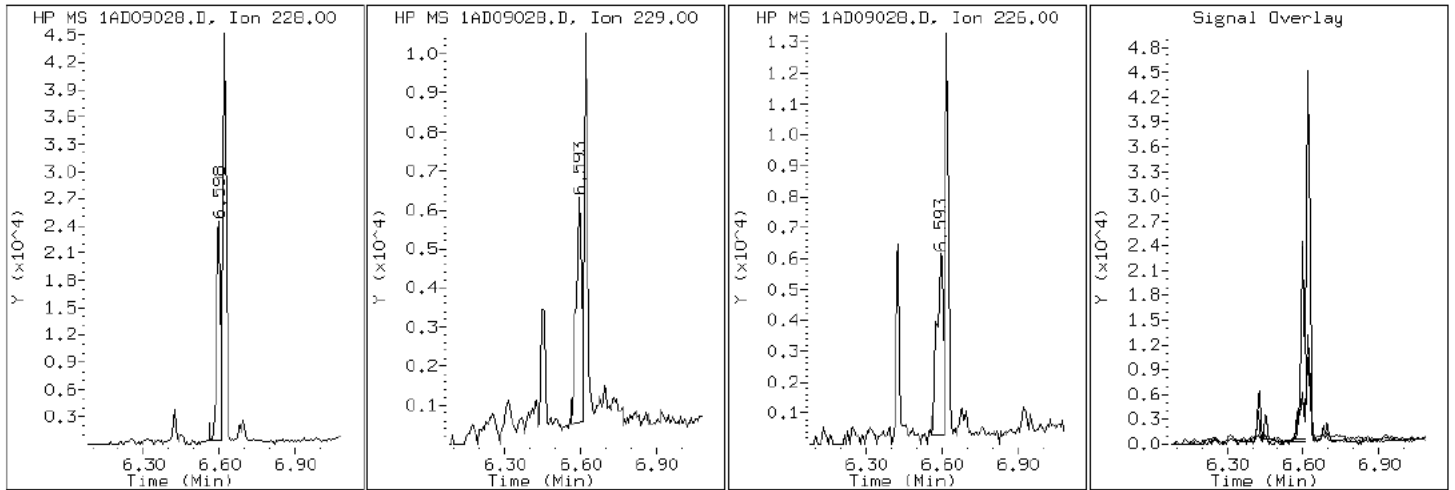
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

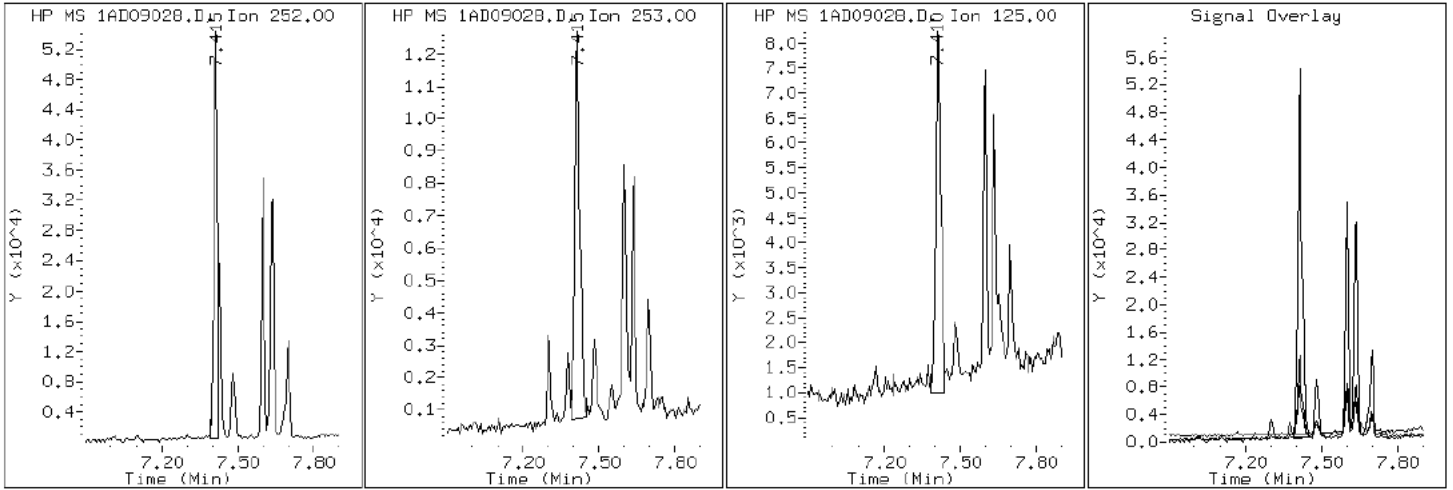
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

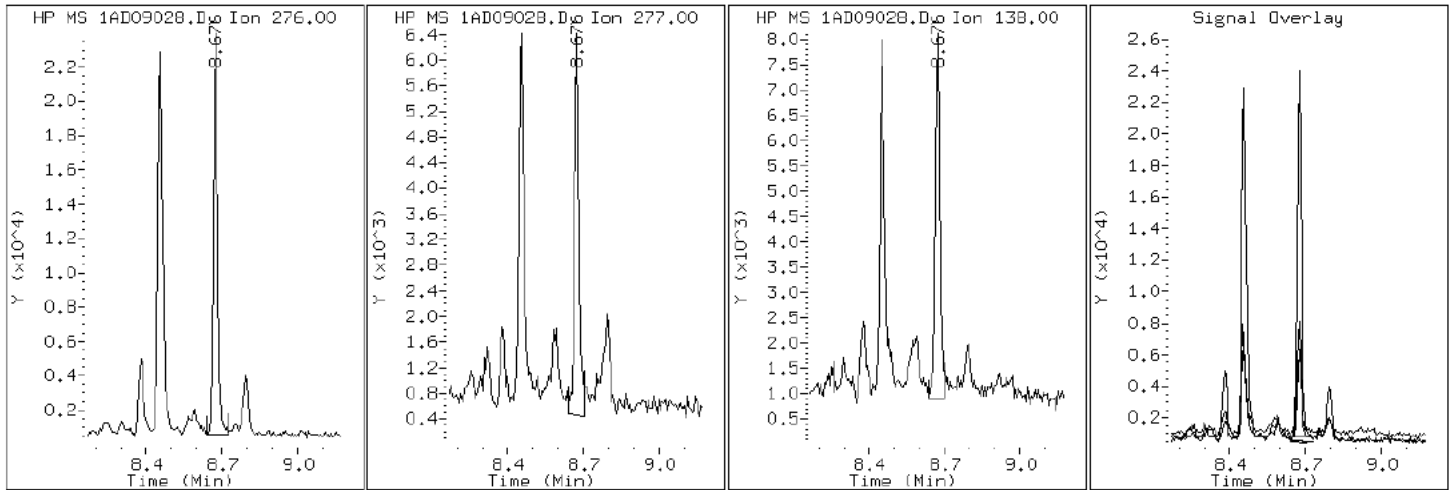
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

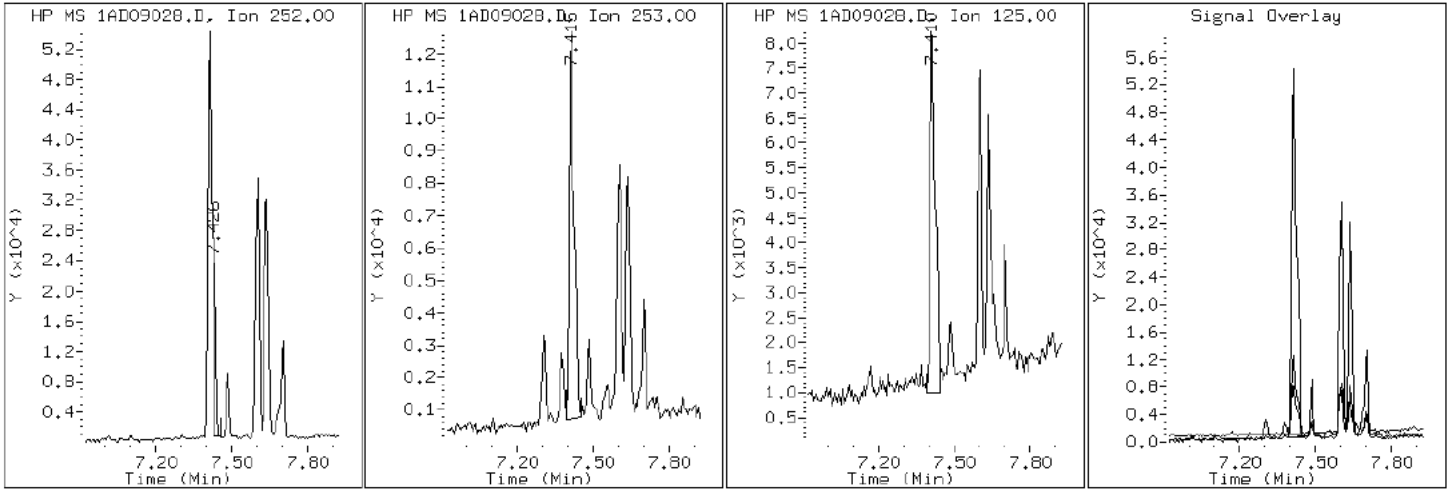
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

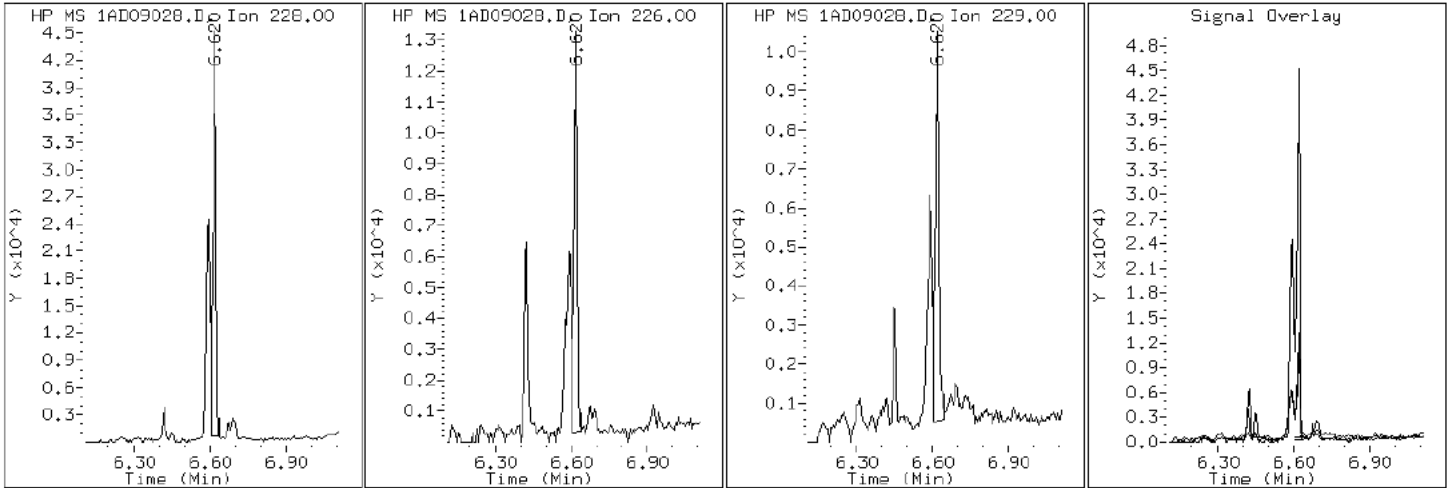
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

19 Chrysene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

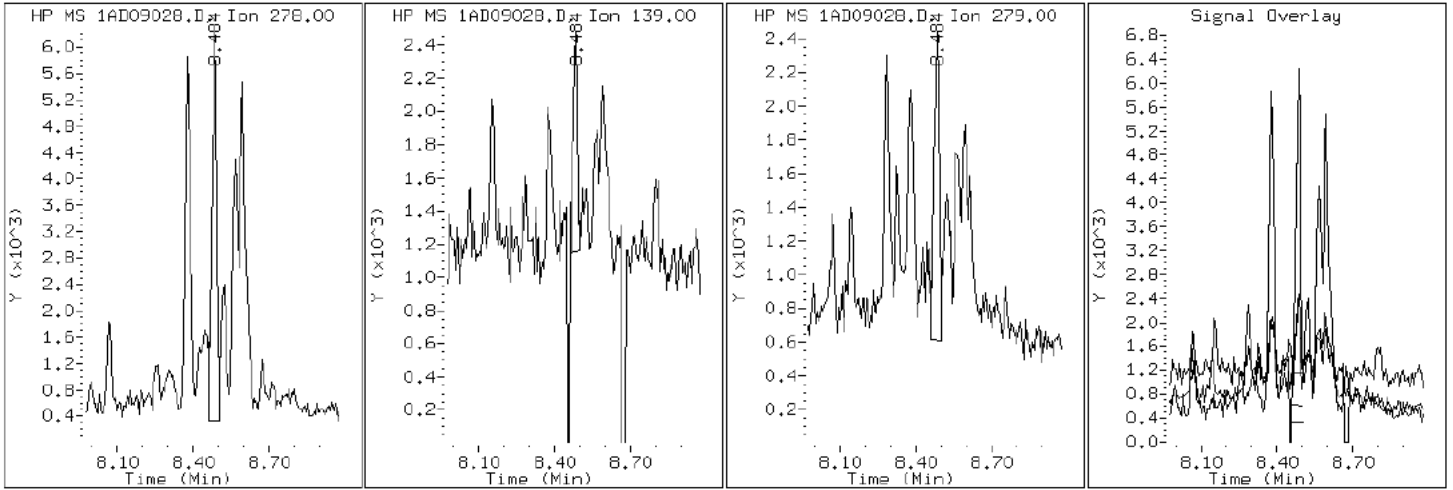
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

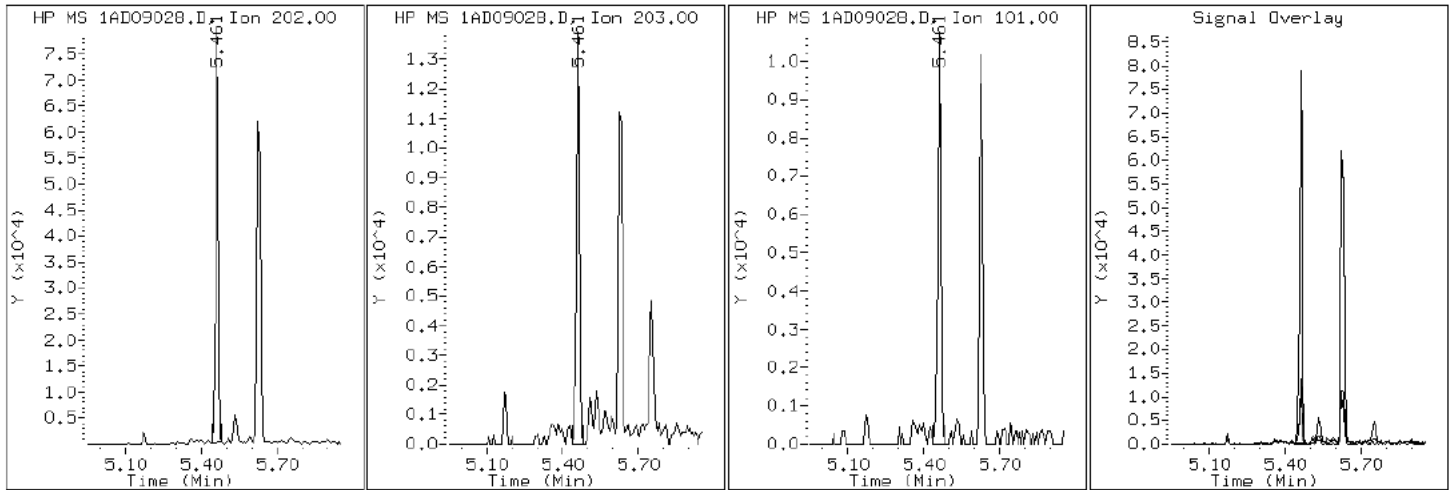
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

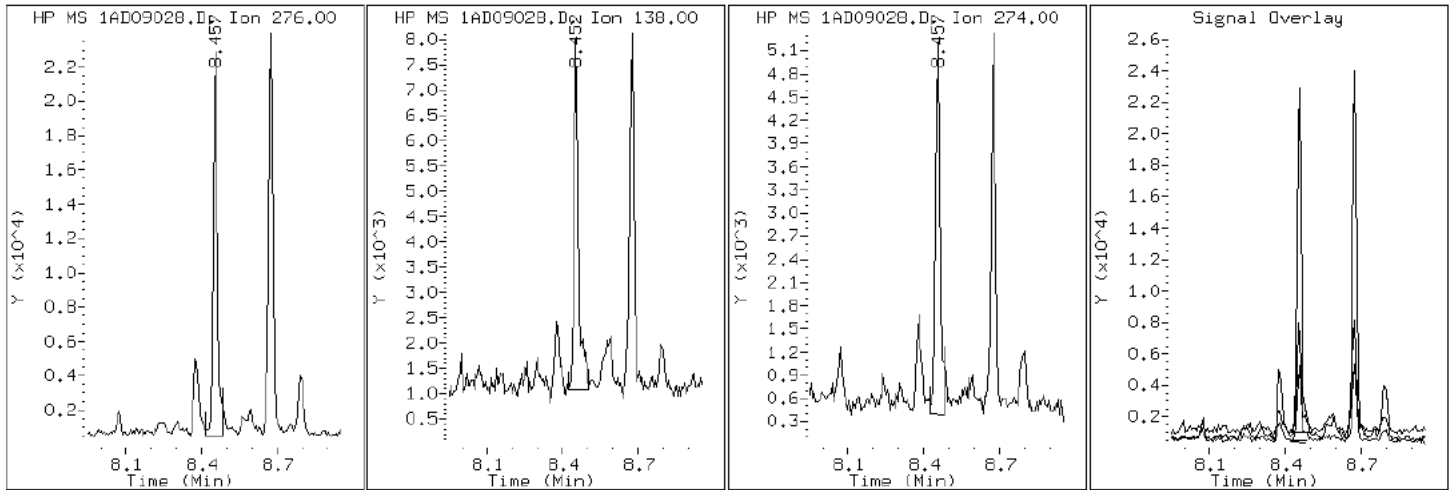
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

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



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

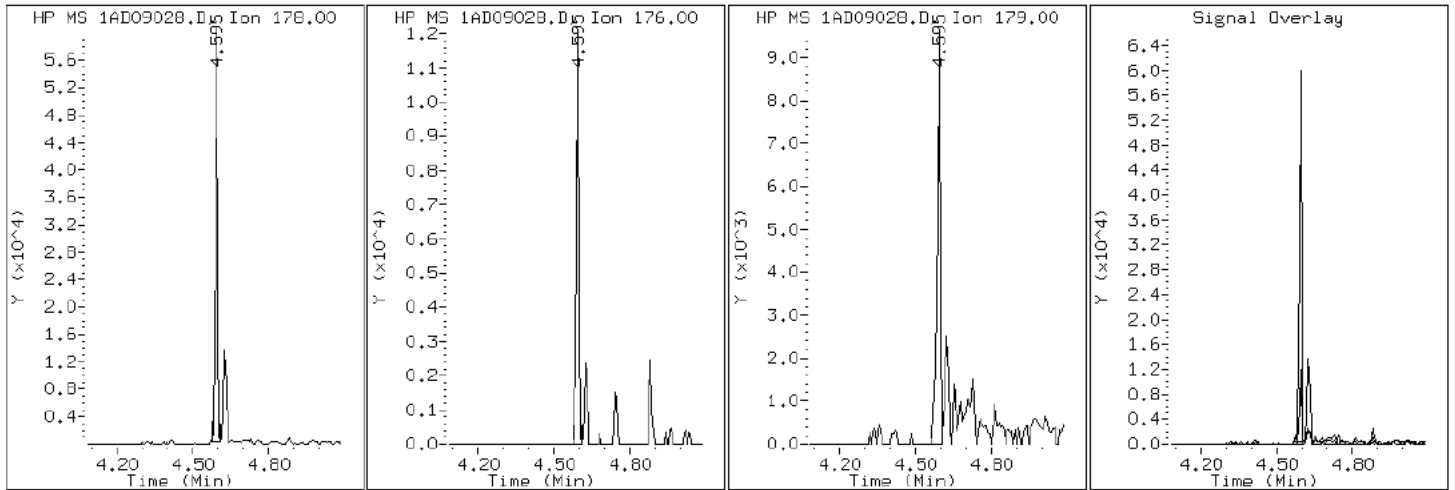
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09028.D

Date: 09-APR-2013 20:03

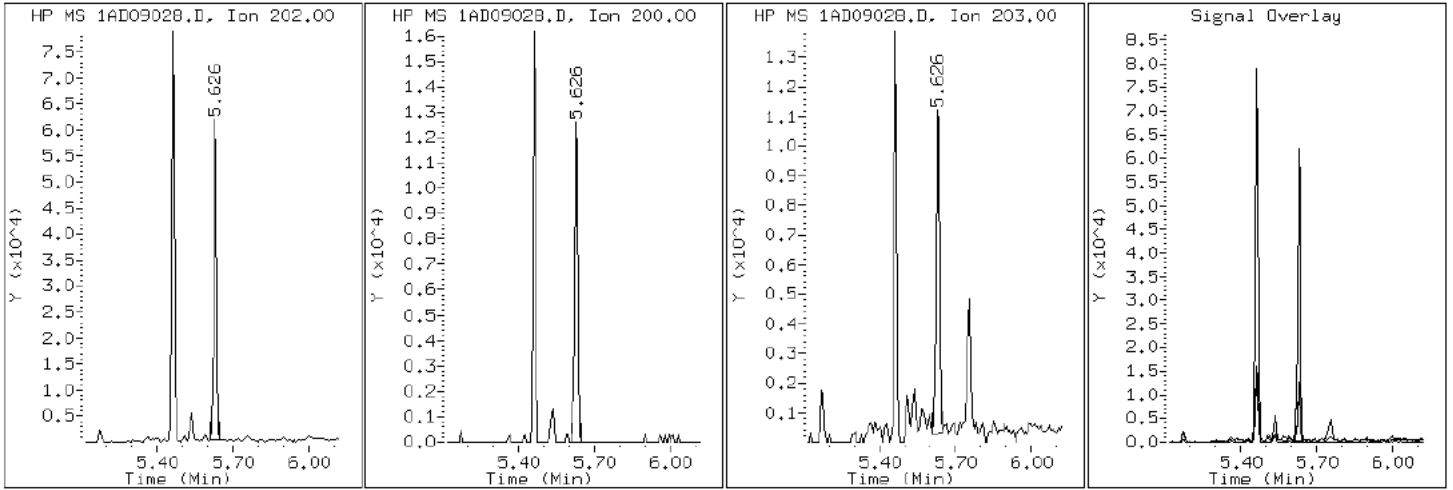
Client ID: CV1124A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-69-a

Operator: SCC

16 Pyrene

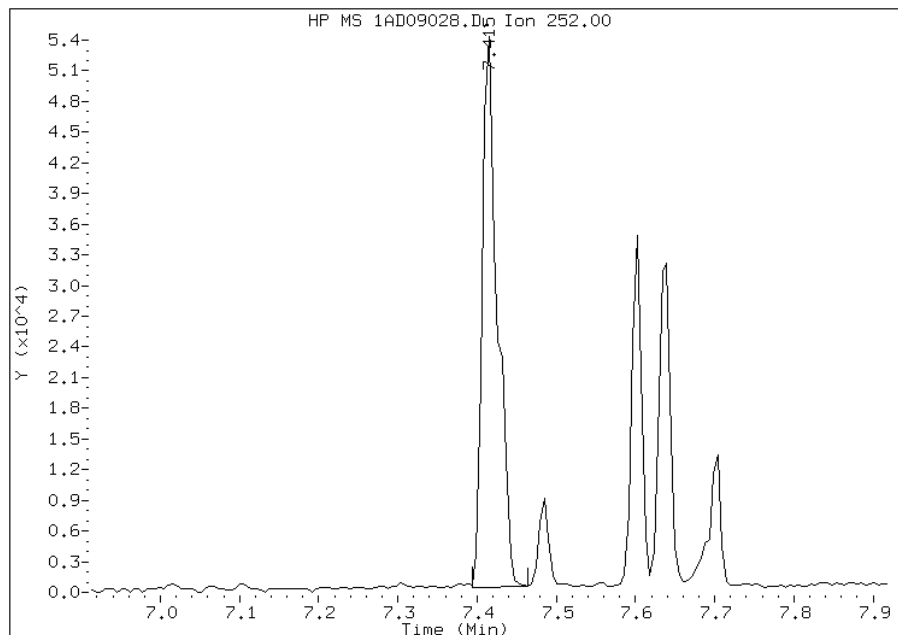


Manual Integration Report

Data File: 1AD09028.D
Inj. Date and Time: 09-APR-2013 20:03
Instrument ID: BSMA5973.i
Client ID: CV1124A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

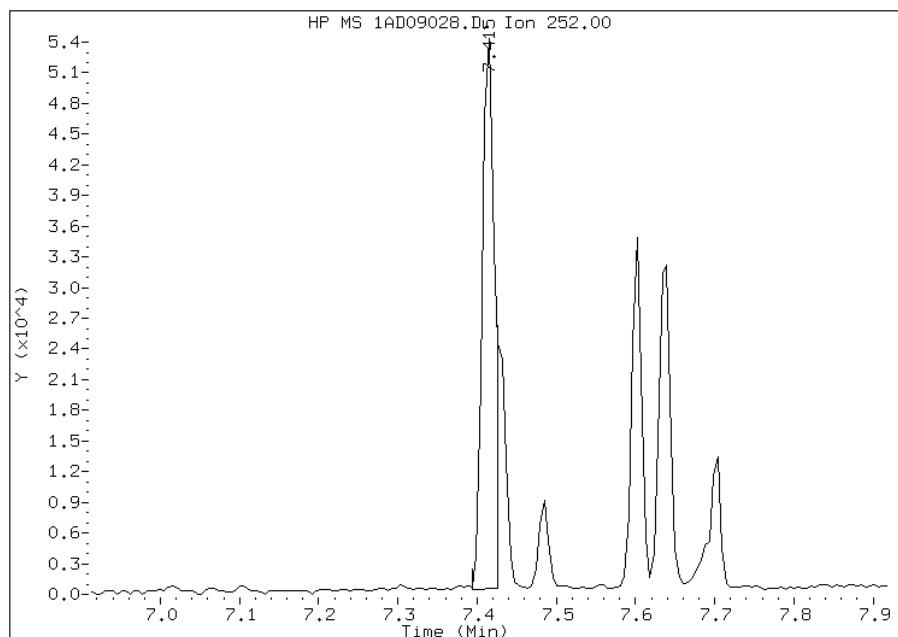
Processing Integration Results

RT: 7.42
Response: 70322
Amount: 2
Conc: 487



Manual Integration Results

RT: 7.42
Response: 57886
Amount: 1
Conc: 401



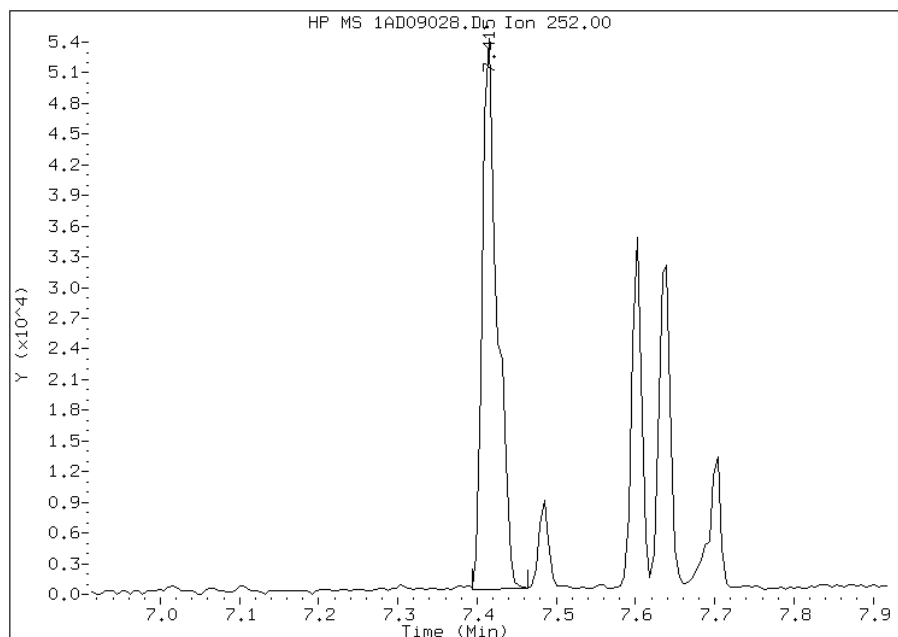
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:00
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09028.D
Inj. Date and Time: 09-APR-2013 20:03
Instrument ID: BSMA5973.i
Client ID: CV1124A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

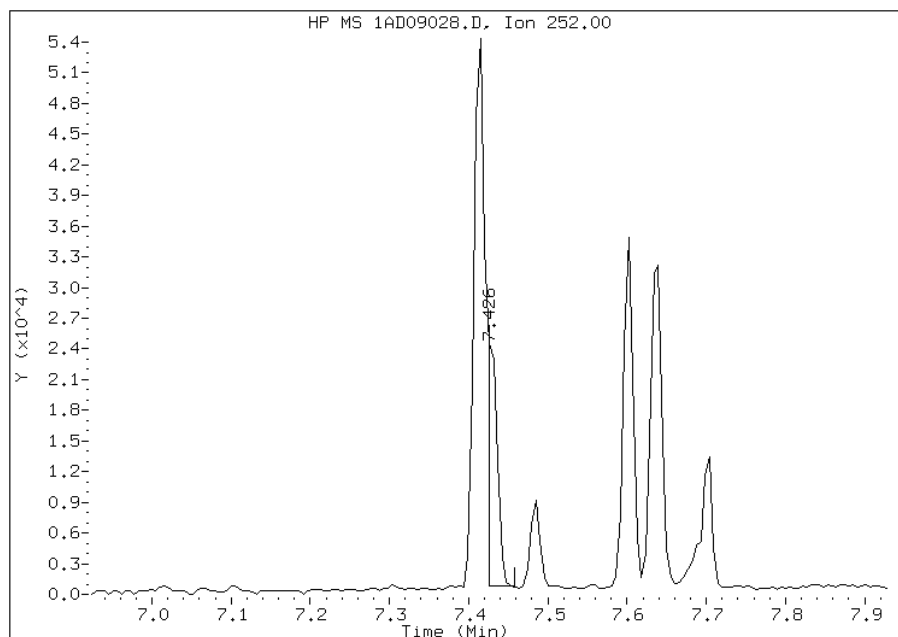
Processing Integration Results

RT: 7.42
Response: 70329
Amount: 1
Conc: 439



Manual Integration Results

RT: 7.43
Response: 19520
Amount: 0
Conc: 122



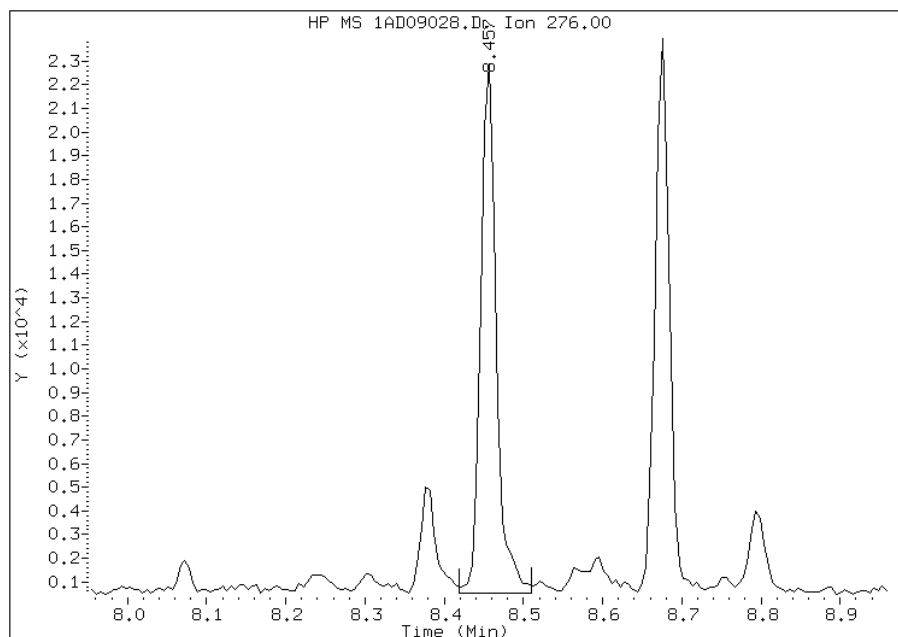
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09028.D
Inj. Date and Time: 09-APR-2013 20:03
Instrument ID: BSMA5973.i
Client ID: CV1124A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

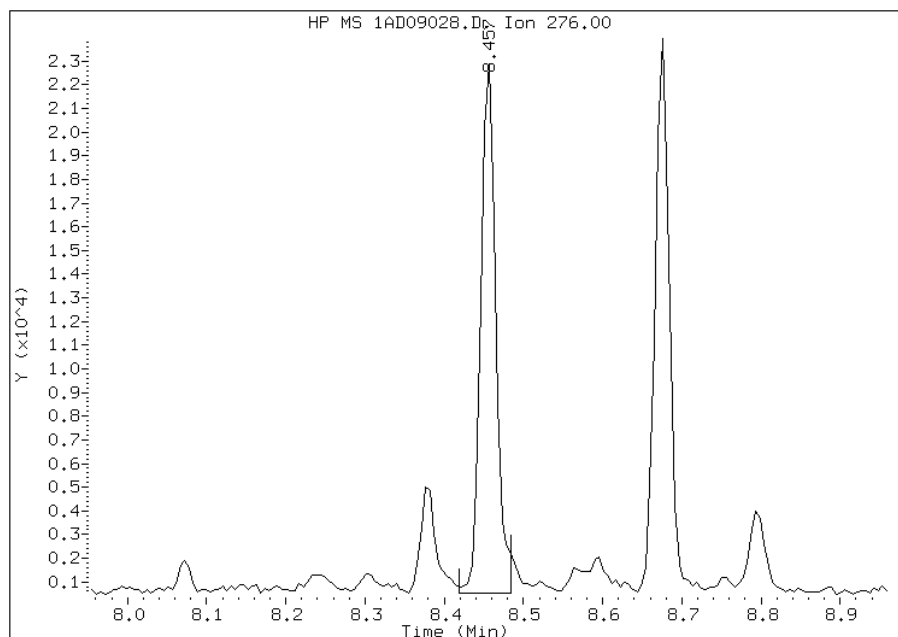
Processing Integration Results

RT: 8.46
Response: 30330
Amount: 1
Conc: 349



Manual Integration Results

RT: 8.46
Response: 29315
Amount: 1
Conc: 342



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:15
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1124B-CS Lab Sample ID: 680-88811-70
 Matrix: Solid Lab File ID: 1AD09029.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:15
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.10(g) Date Analyzed: 04/09/2013 20:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 20.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 120 | U | 120 | 25 |
| 208-96-8 | Acenaphthylene | 51 | | 50 | 6.2 |
| 120-12-7 | Anthracene | 45 | | 10 | 5.2 |
| 56-55-3 | Benzo[a]anthracene | 84 | | 10 | 4.9 |
| 50-32-8 | Benzo[a]pyrene | 28 | | 13 | 6.5 |
| 205-99-2 | Benzo[b]fluoranthene | 160 | | 15 | 7.6 |
| 191-24-2 | Benzo[g,h,i]perylene | 94 | | 25 | 5.5 |
| 207-08-9 | Benzo[k]fluoranthene | 62 | | 10 | 4.5 |
| 218-01-9 | Chrysene | 130 | | 11 | 5.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 22 | J | 25 | 5.1 |
| 206-44-0 | Fluoranthene | 110 | | 25 | 5.0 |
| 86-73-7 | Fluorene | 25 | U | 25 | 5.1 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 100 | | 25 | 8.8 |
| 90-12-0 | 1-Methylnaphthalene | 49 | J | 50 | 5.5 |
| 91-57-6 | 2-Methylnaphthalene | 48 | J | 50 | 8.8 |
| 91-20-3 | Naphthalene | 54 | | 50 | 5.5 |
| 85-01-8 | Phenanthrene | 98 | | 10 | 4.9 |
| 129-00-0 | Pyrene | 120 | | 25 | 4.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 53 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09029.D
 Lab Smp Id: 680-88811-A-70-A Client Smp ID: CV1124B-CS
 Inj Date : 09-APR-2013 20:18
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-70-a
 Misc Info : 680-88811-A-70-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 29
 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 | 15.100 | Weight Extracted |
| M | 20.281 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.596 | 2.591 | (1.000) | 1752334 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.627 | 3.622 | (1.000) | 907866 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.583 | 4.573 | (1.000) | 1470862 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.887 | 4.877 | (1.066) | 167586 | 5.32199 | 442.1156 |
| * 18 Chrysene-d12 | 240 | | 6.607 | 6.597 | (1.000) | 1436969 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.691 | 7.676 | (1.000) | 1672547 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.607 | 2.602 | (1.004) | 26068 | 0.64963 | 53.9666 |
| 3 2-Methylnaphthalene | 141 | | 3.012 | 3.008 | (1.160) | 16109 | 0.57993 | 48.1764 |
| 4 1-Methylnaphthalene | 142 | | 3.066 | 3.062 | (1.181) | 16107 | 0.58632 | 48.7073 |
| 5 Acenaphthylene | 152 | | 3.536 | 3.532 | (0.975) | 13397 | 0.60915 | 50.6040 |
| 11 Phenanthrene | 178 | | 4.593 | 4.589 | (1.002) | 62406 | 1.17995 | 98.0223 |
| 12 Anthracene | 178 | | 4.625 | 4.626 | (1.009) | 16320 | 0.54465 | 45.2457 |
| 13 Carbazole | 167 | | 4.759 | 4.755 | (1.038) | 10928 | 0.25583 | 21.2524 |
| 15 Fluoranthene | 202 | | 5.464 | 5.454 | (1.192) | 86419 | 1.34528 | 111.7572 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 16 Pyrene | 202 | 5.630 | 5.620 | (0.852) | 78211 | 1.41245 | 117.3370 |
| 17 Benzo(a)anthracene | 228 | 6.596 | 6.581 | (0.998) | 48459 | 1.01098 | 83.9851 |
| 19 Chrysene | 228 | 6.618 | 6.613 | (1.002) | 75375 | 1.54184 | 128.0859 |
| 20 Benzo(b)fluoranthene | 252 | 7.413 | 7.404 | (0.964) | 95998 | 1.89291 | 157.2502(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.424 | 7.425 | (0.965) | 41983 | 0.74536 | 61.9191(QM) |
| 22 Benzo(a)pyrene | 252 | 7.638 | 7.628 | (0.993) | 58907 | 0.33241 | 27.6143 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.460 | 8.451 | (1.100) | 41486 | 1.25921 | 104.6070(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.487 | 8.477 | (1.103) | 11033 | 0.26092 | 21.6757(Q) |
| 26 Benzo(g,h,i)perylene | 276 | 8.685 | 8.670 | (1.129) | 51773 | 1.13651 | 94.4139 |

QC Flag Legend

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

Data File: 1AD09029.D

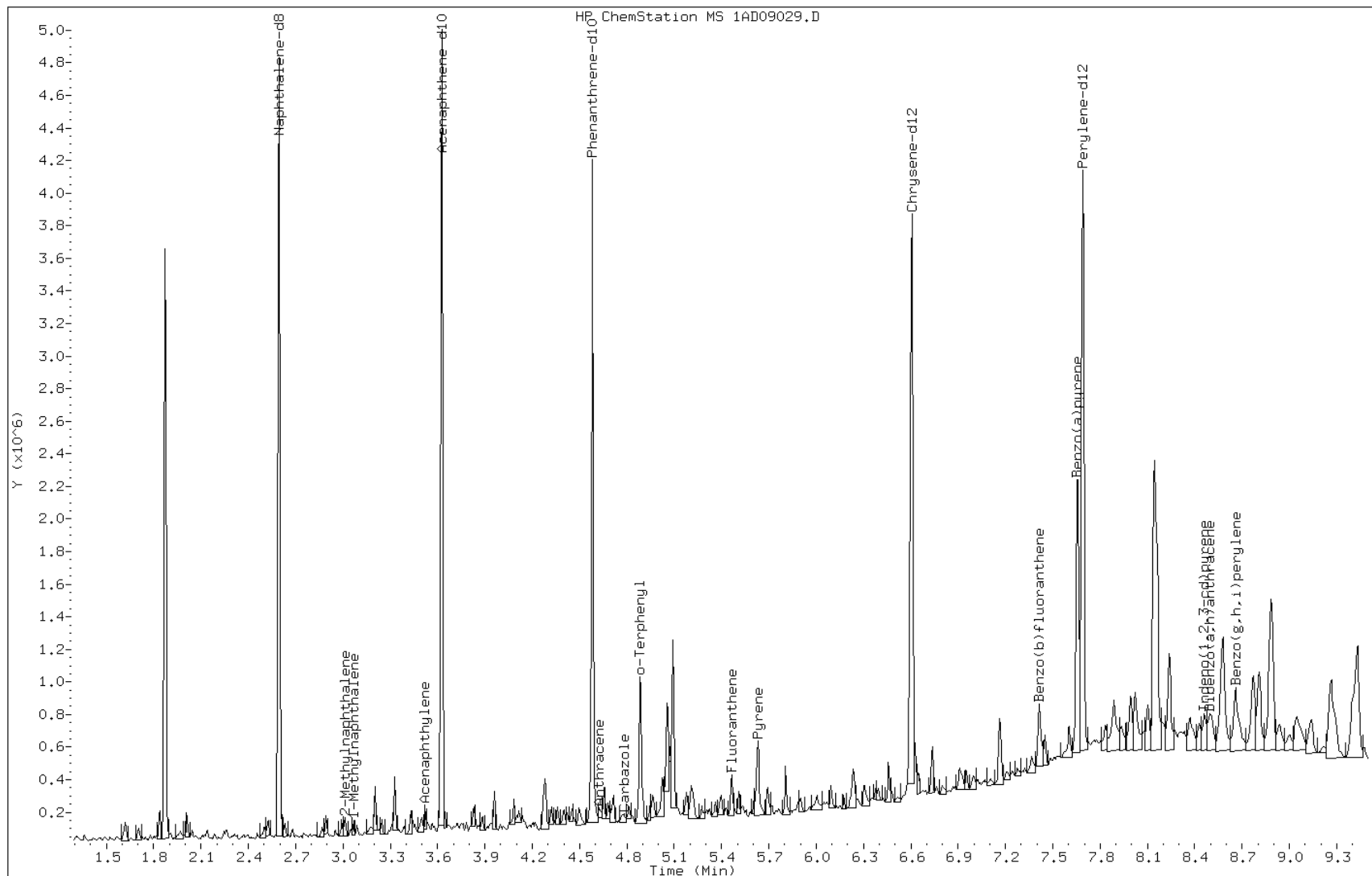
Date: 09-APR-2013 20:18

Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

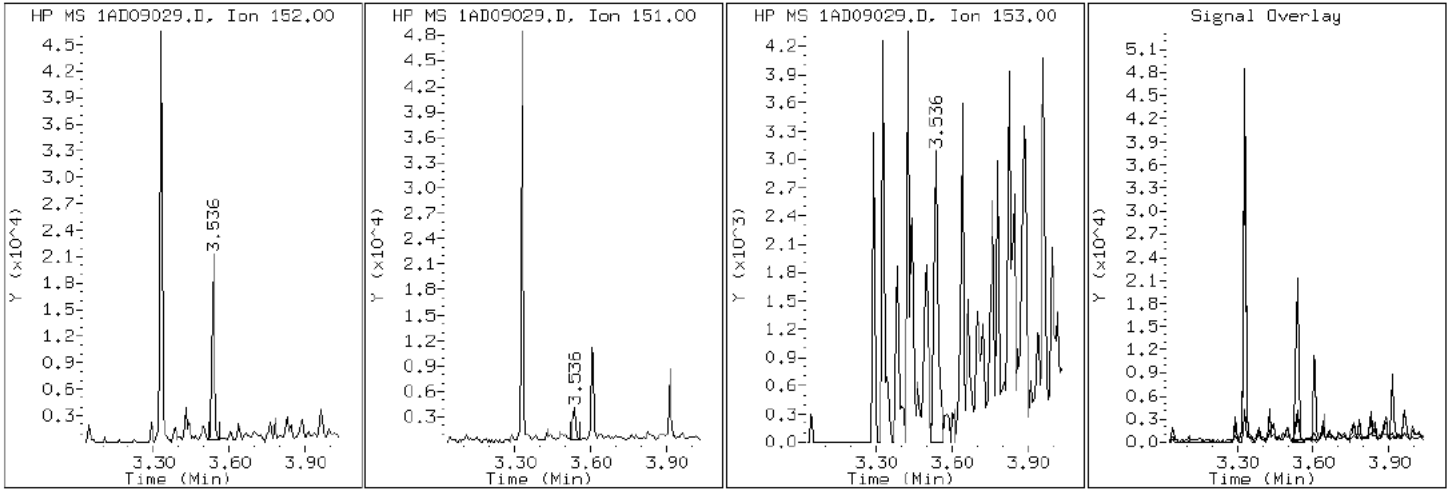
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

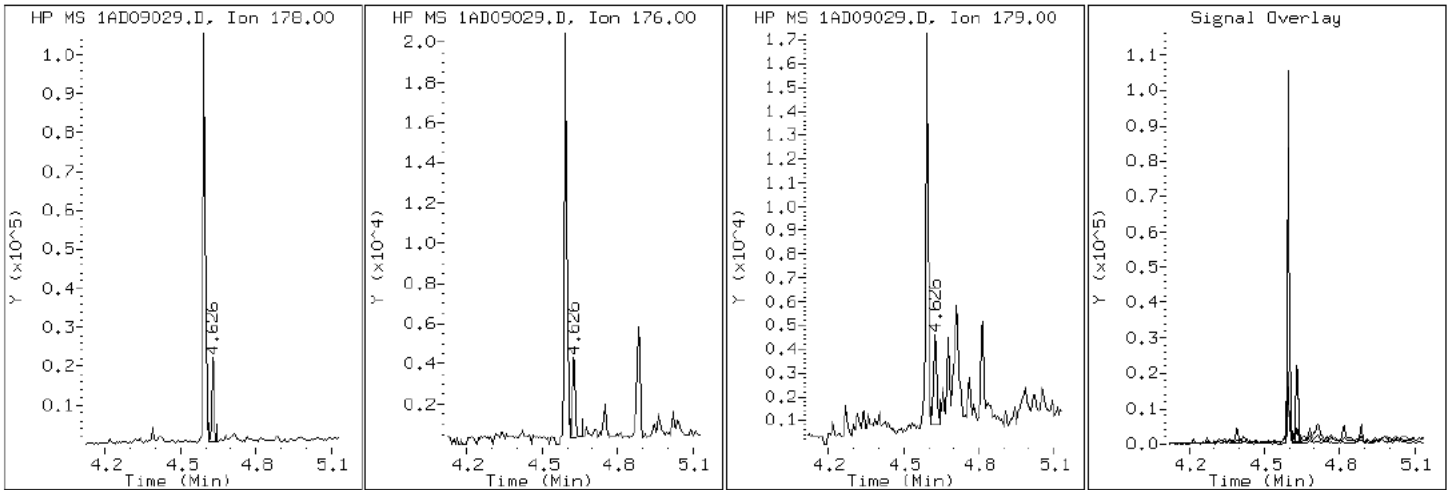
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

12 Anthracene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

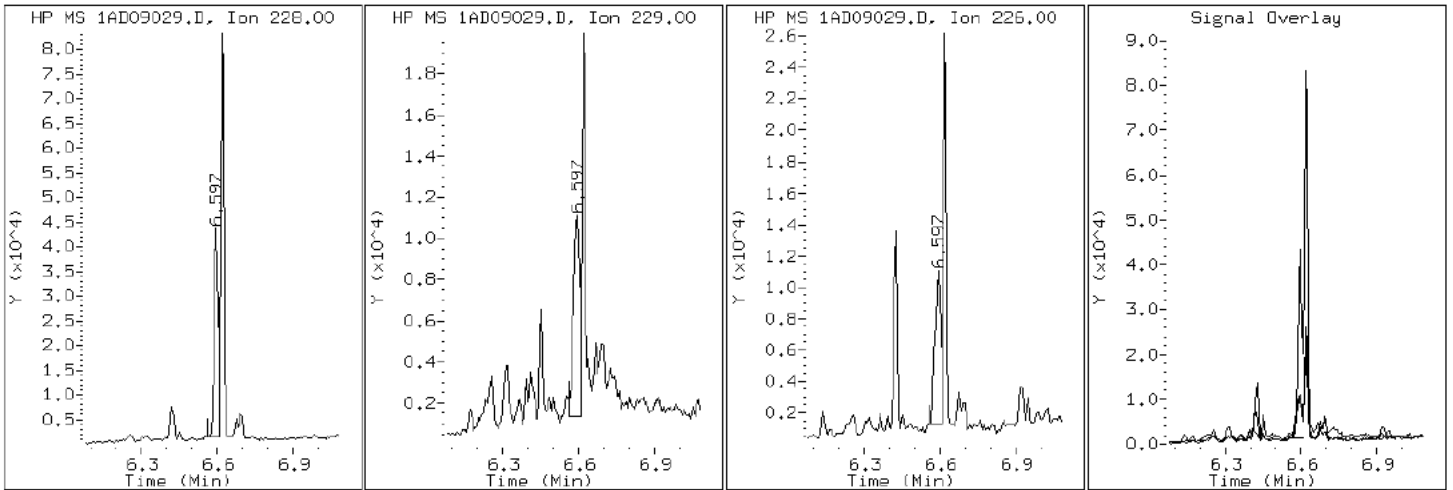
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

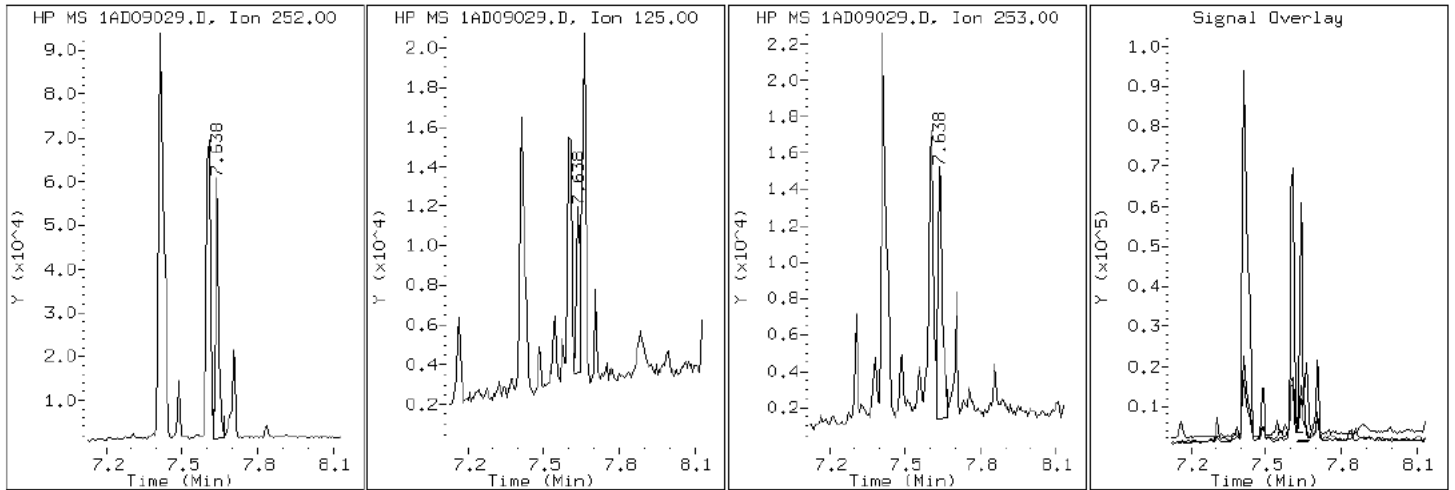
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

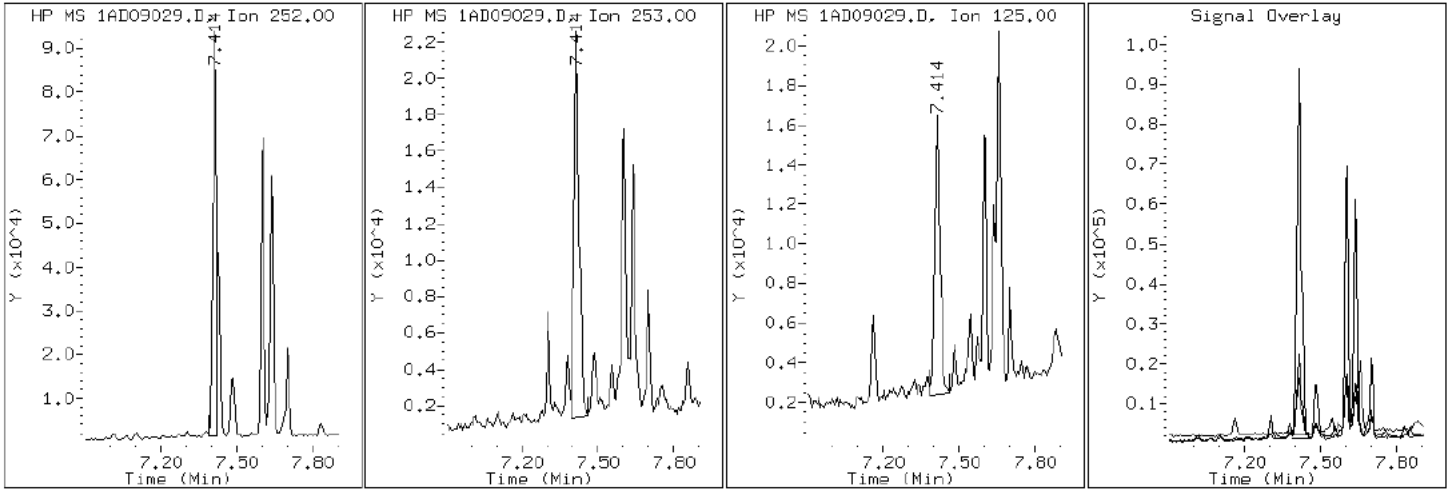
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

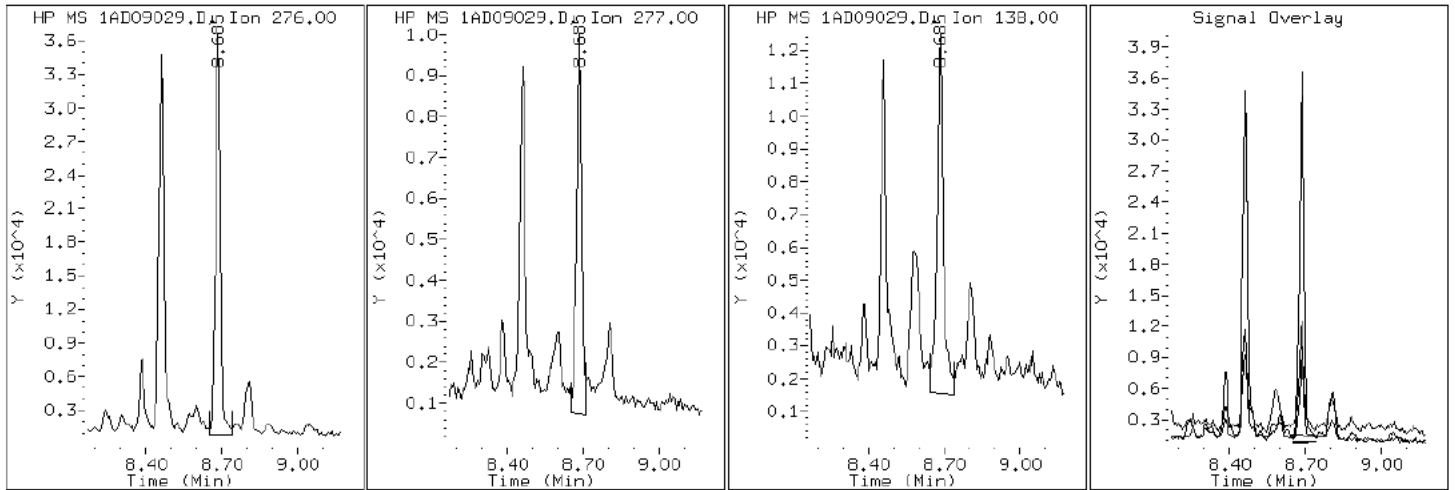
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

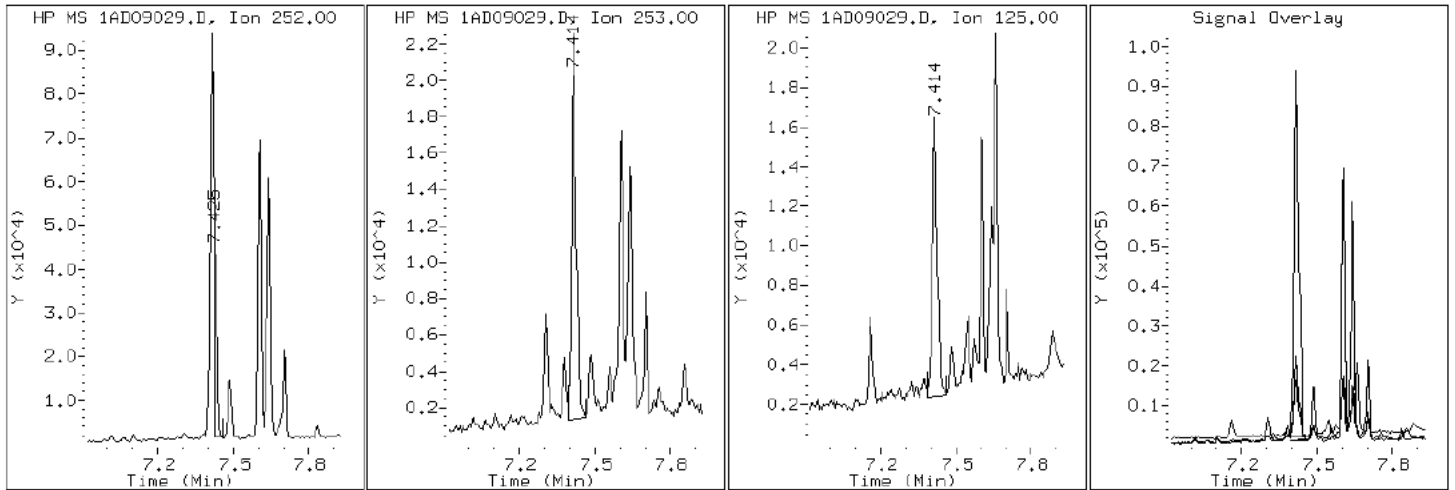
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

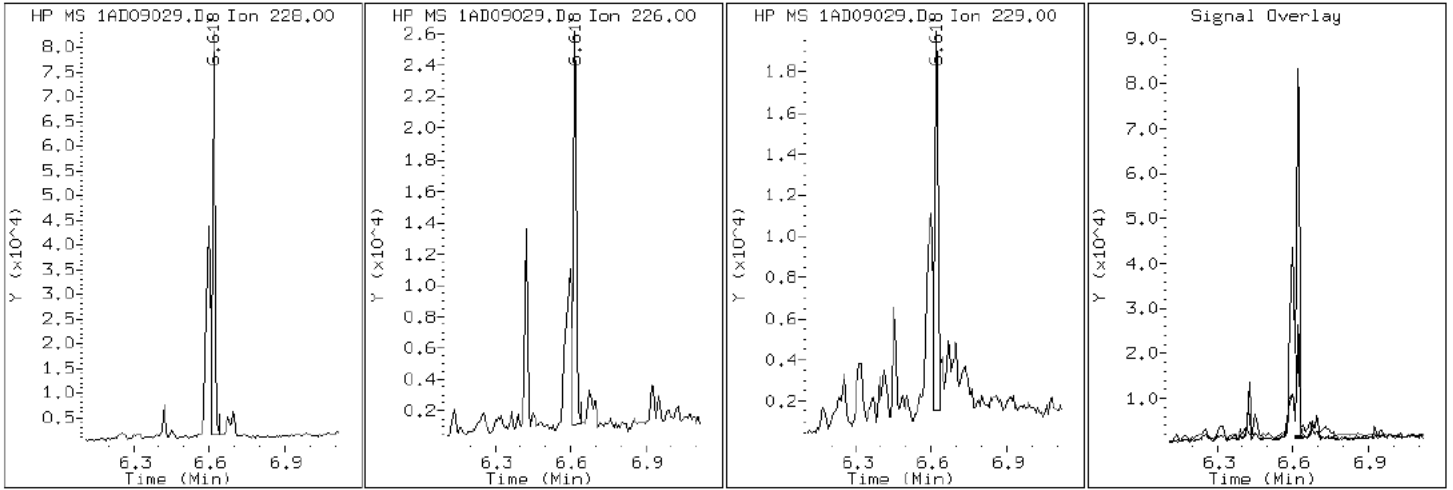
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

19 Chrysene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

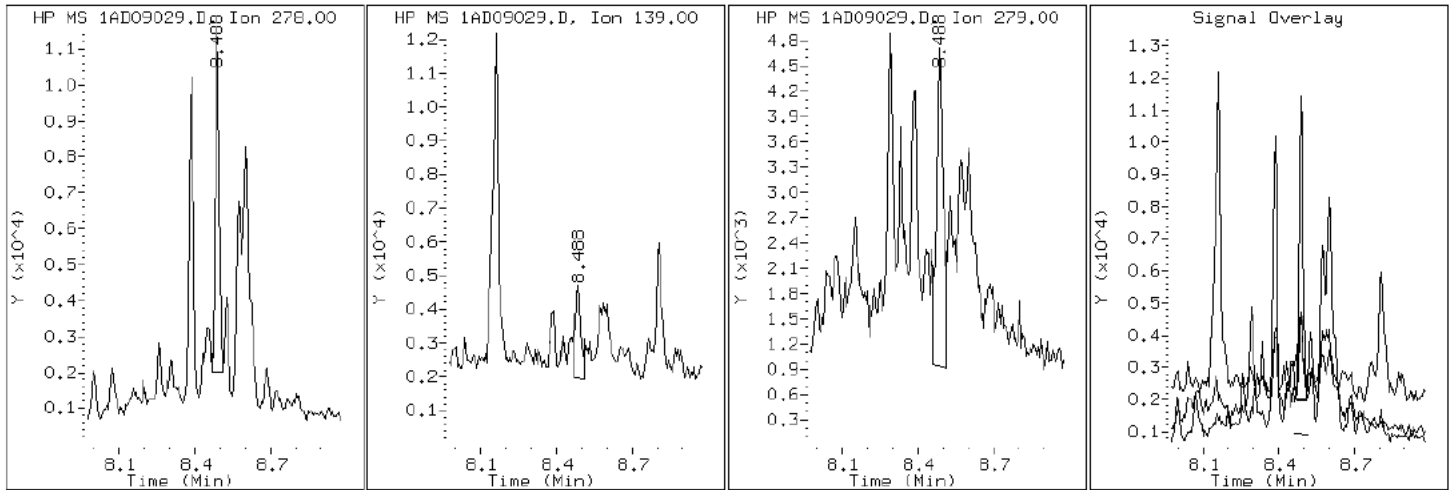
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

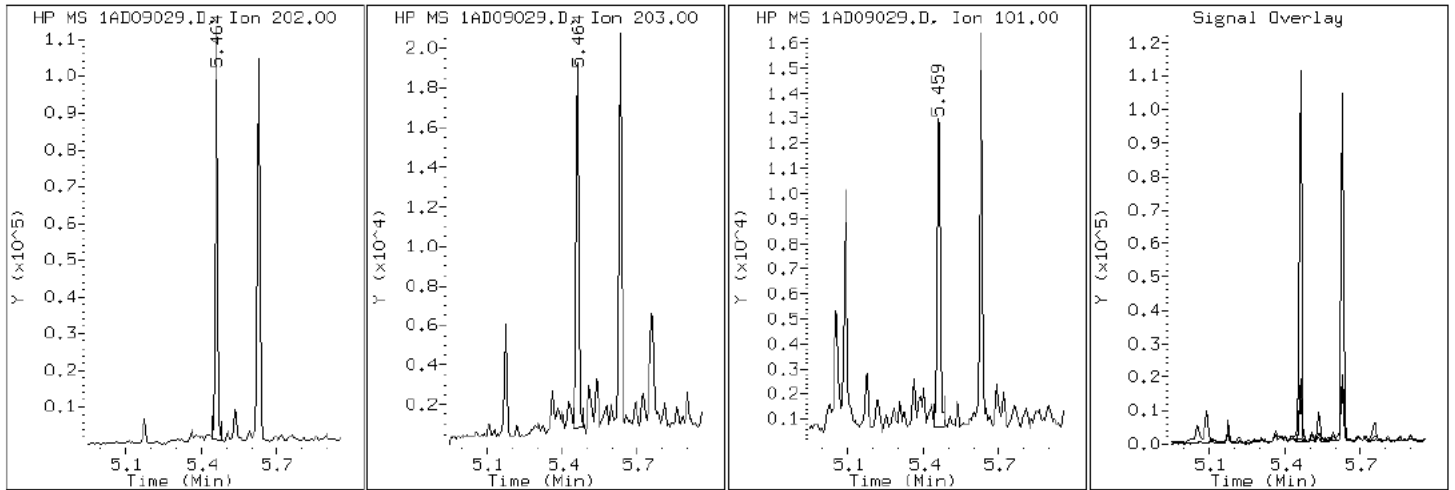
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

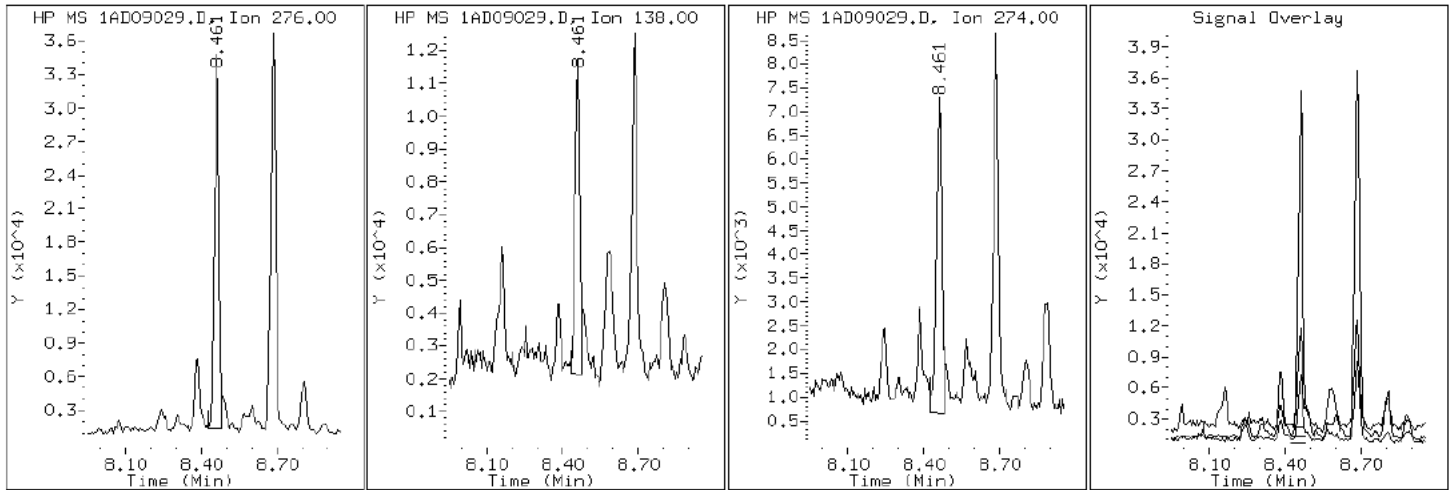
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

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



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

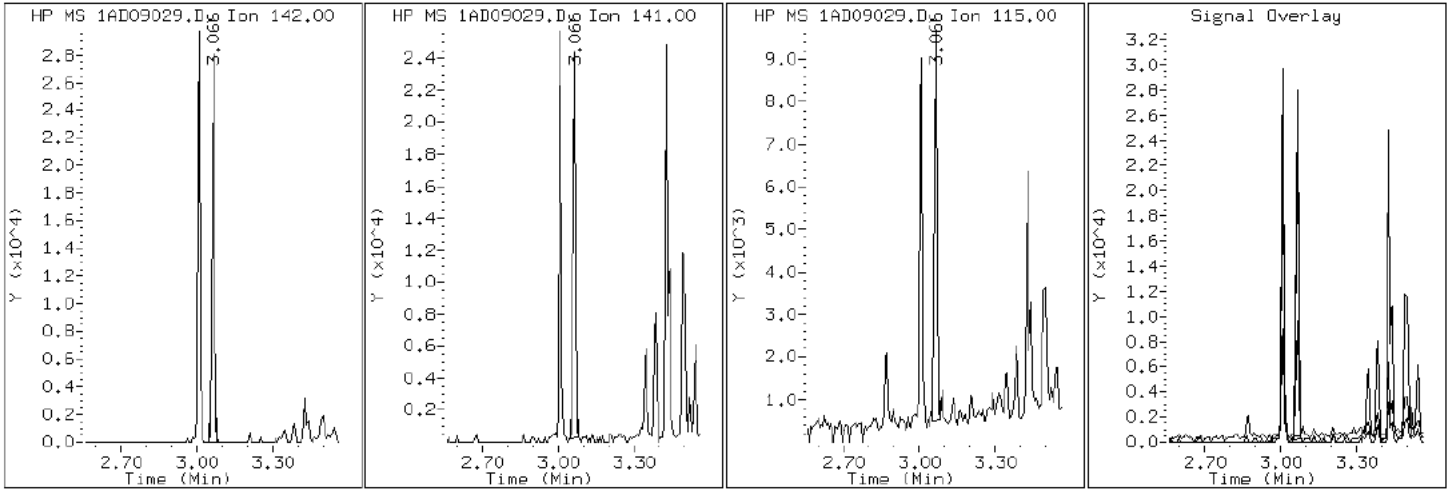
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

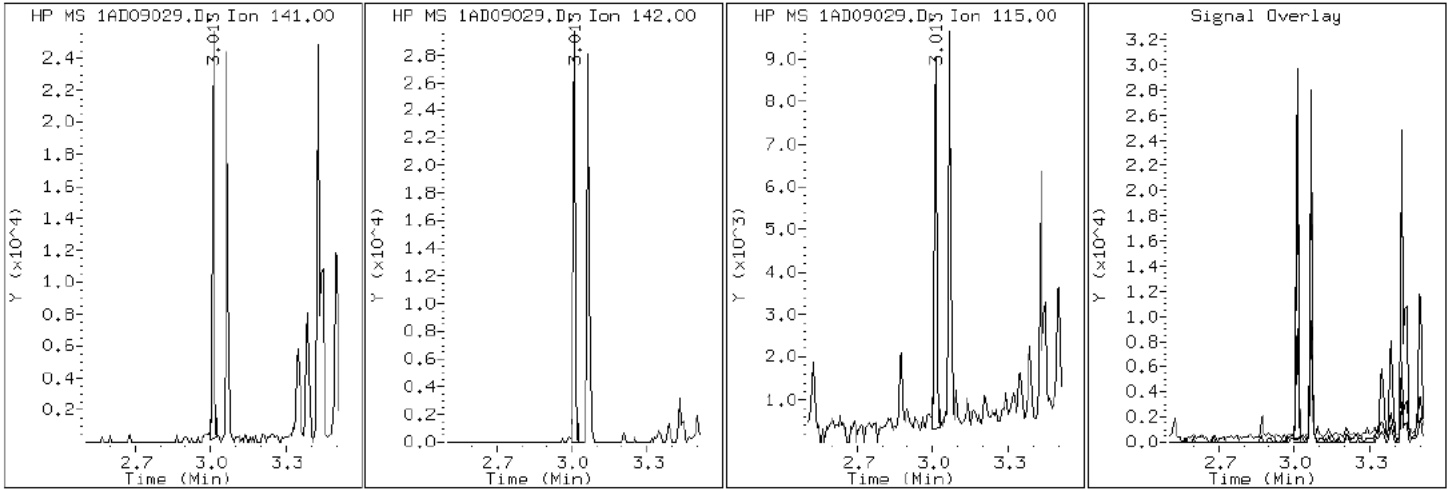
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

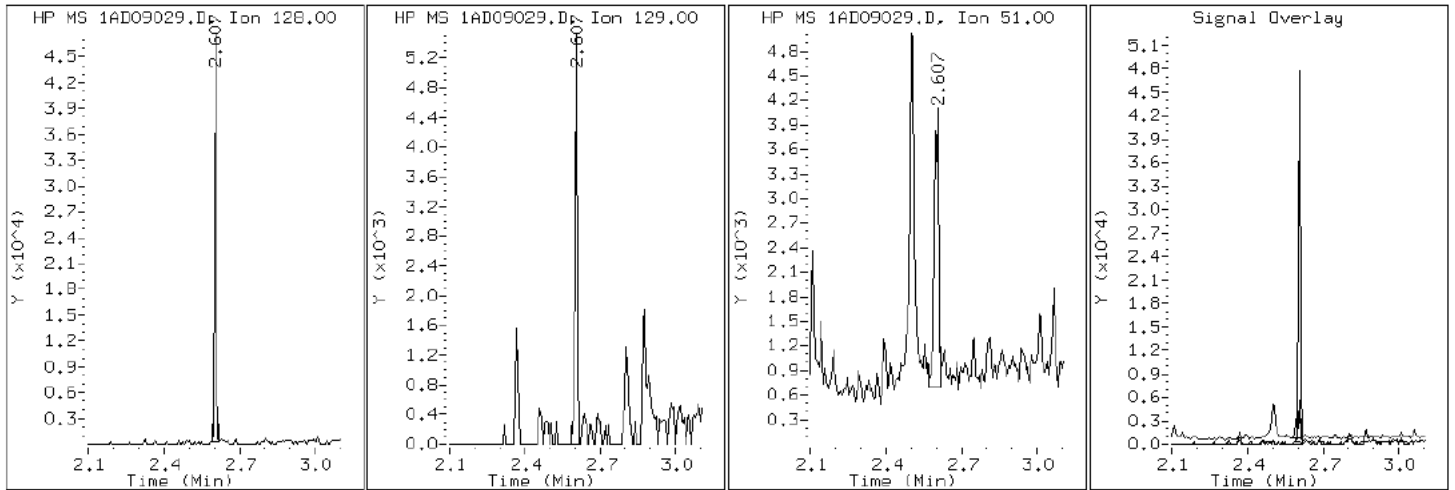
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

2 Naphthalene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

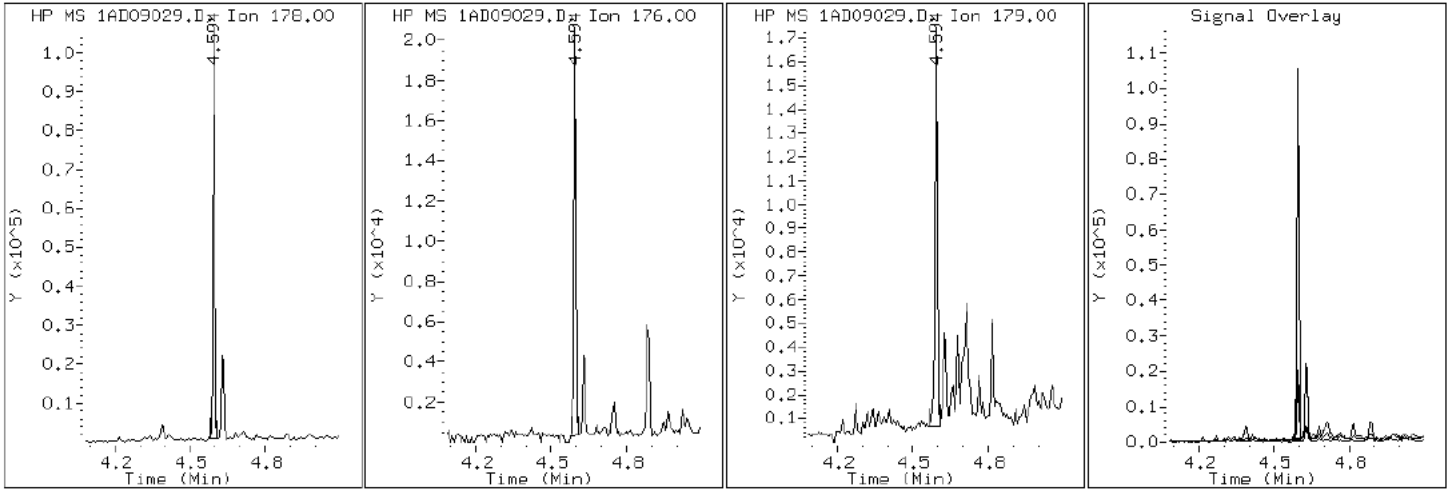
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09029.D

Date: 09-APR-2013 20:18

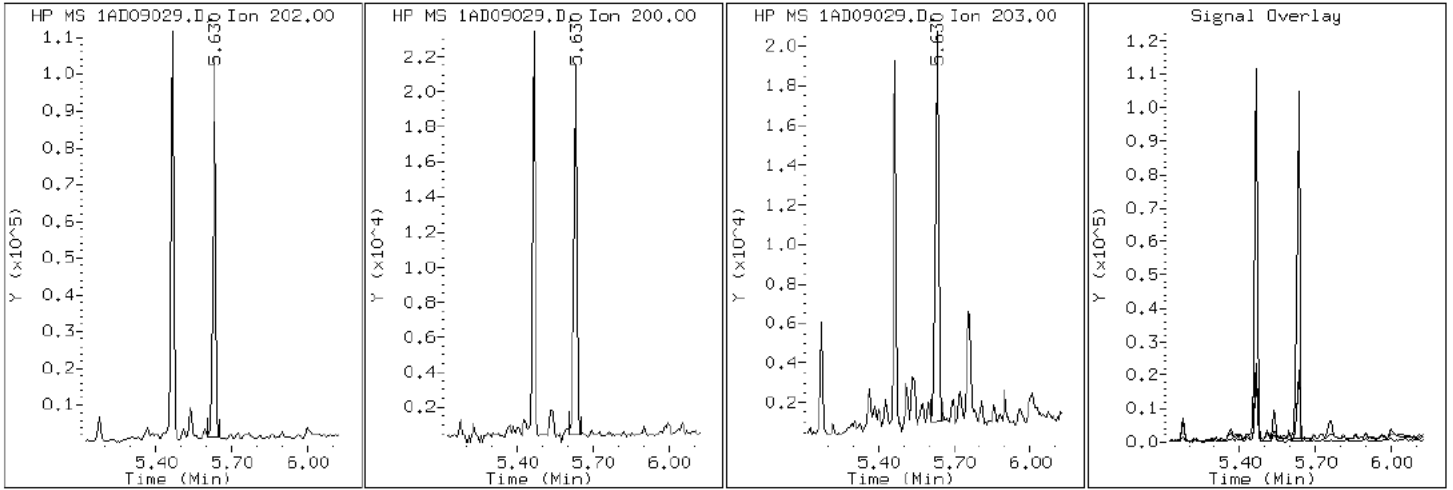
Client ID: CV1124B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-70-a

Operator: SCC

16 Pyrene

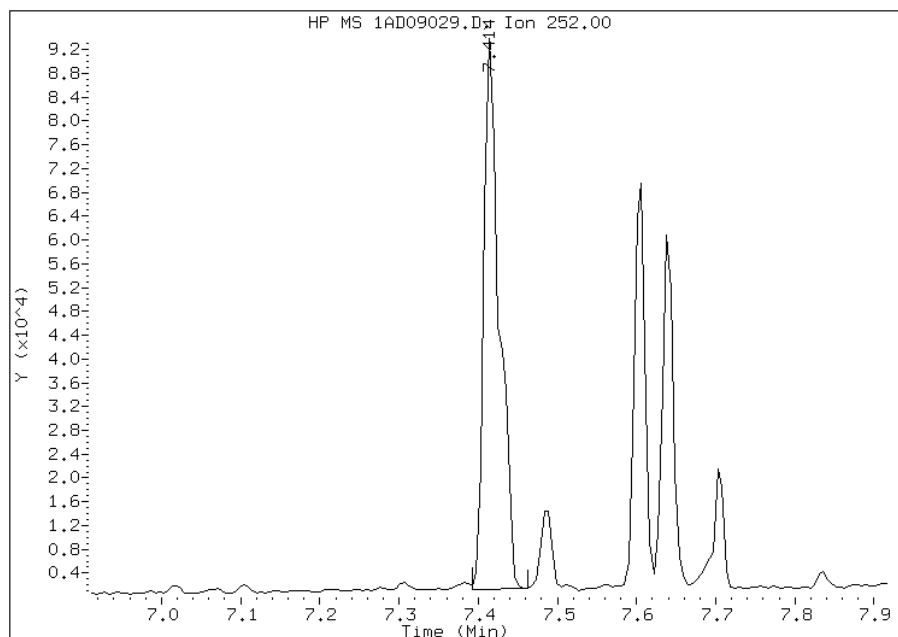


Manual Integration Report

Data File: 1AD09029.D
Inj. Date and Time: 09-APR-2013 20:18
Instrument ID: BSMA5973.i
Client ID: CV1124B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

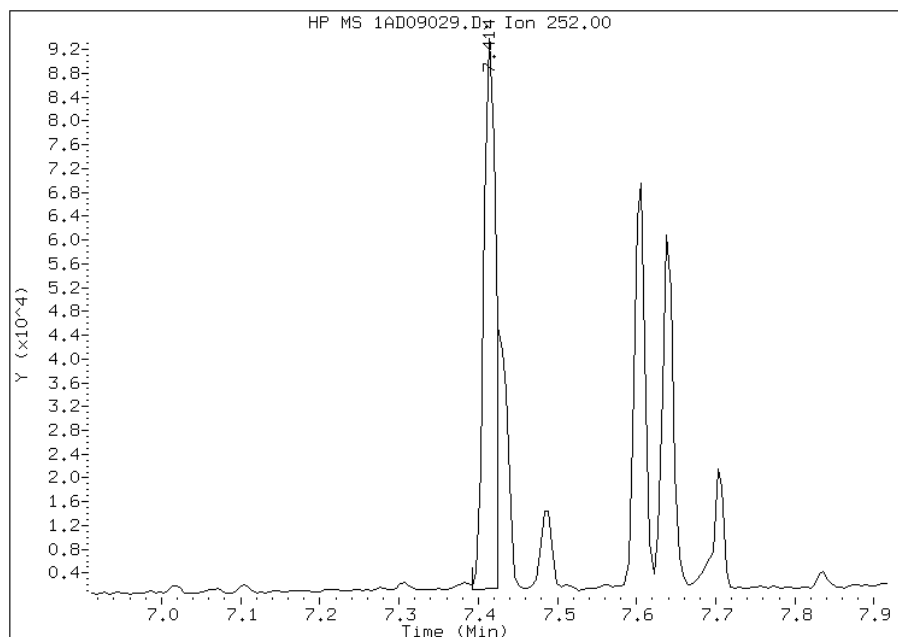
Processing Integration Results

RT: 7.41
Response: 124543
Amount: 2
Conc: 204



Manual Integration Results

RT: 7.41
Response: 95998
Amount: 2
Conc: 157



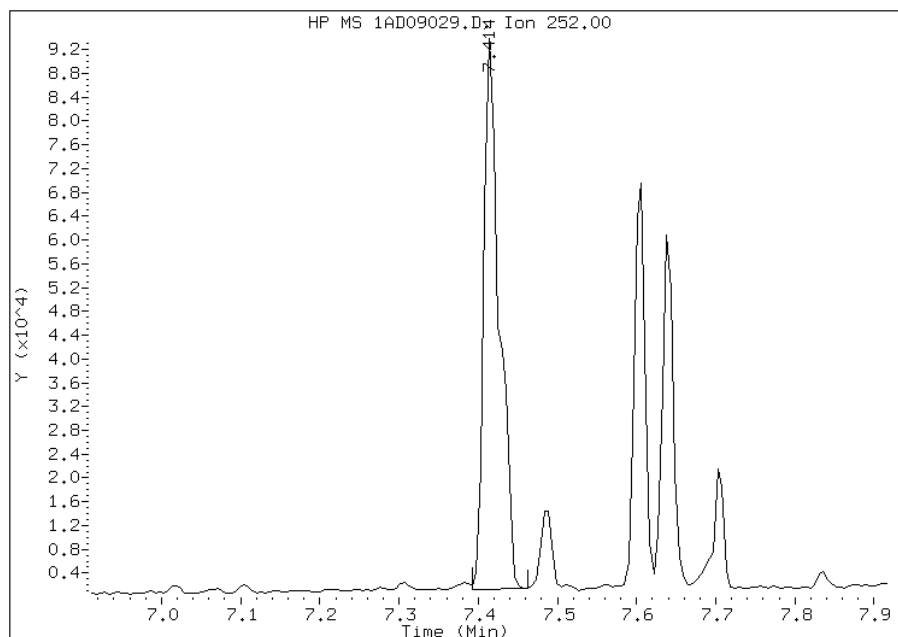
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:16
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09029.D
Inj. Date and Time: 09-APR-2013 20:18
Instrument ID: BSMA5973.i
Client ID: CV1124B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

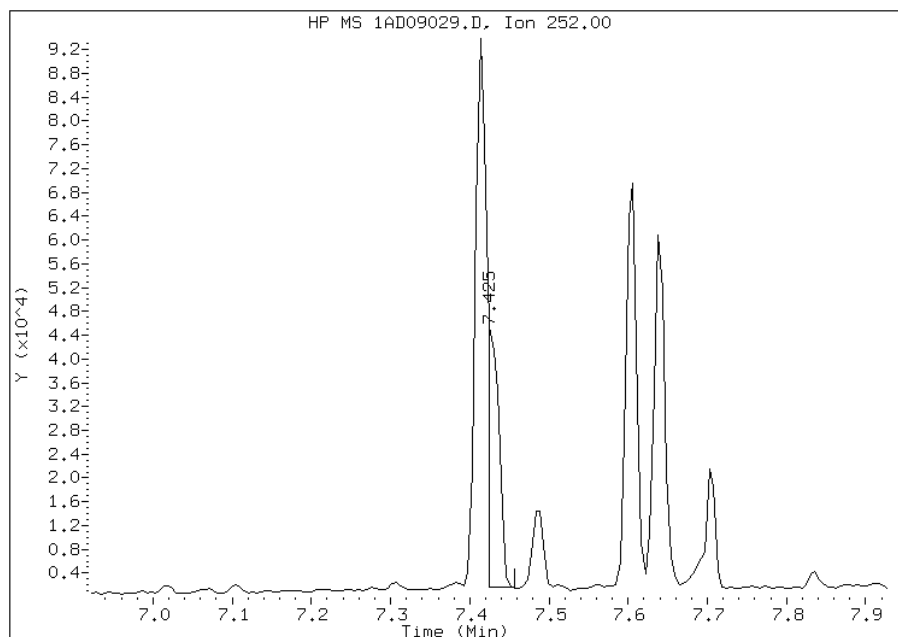
Processing Integration Results

RT: 7.41
Response: 124500
Amount: 2
Conc: 184



Manual Integration Results

RT: 7.42
Response: 41983
Amount: 1
Conc: 62



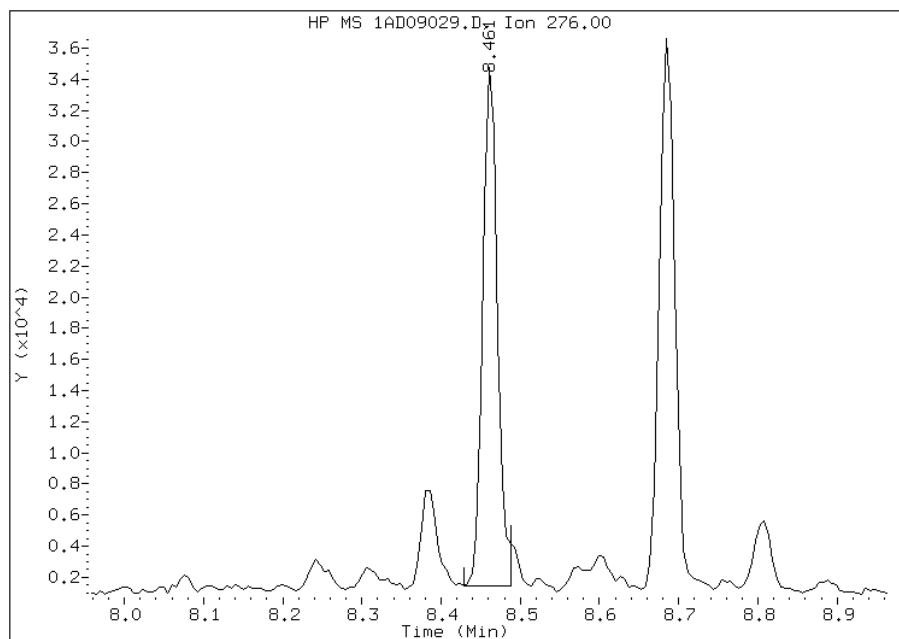
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:16
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09029.D
Inj. Date and Time: 09-APR-2013 20:18
Instrument ID: BSMA5973.i
Client ID: CV1124B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

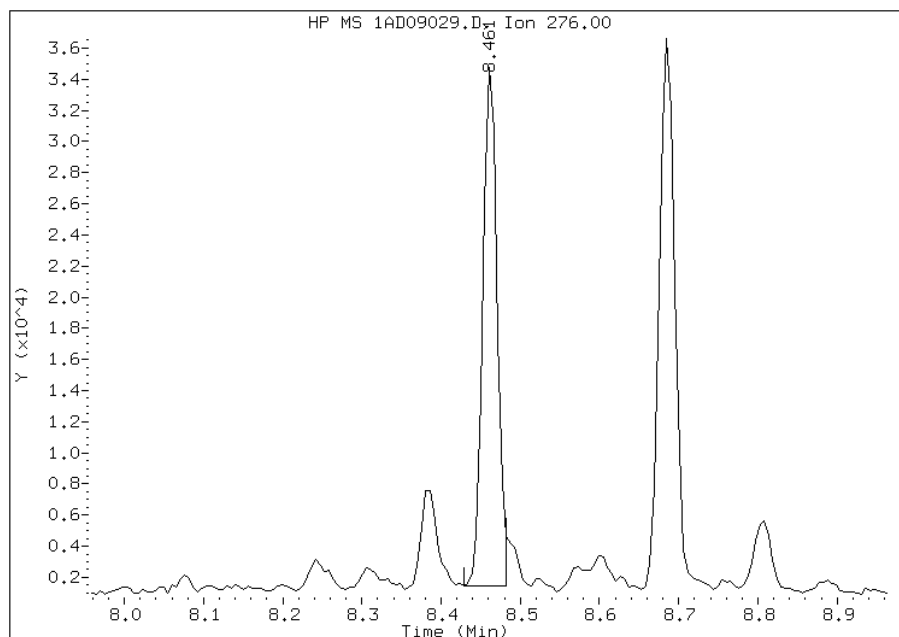
Processing Integration Results

RT: 8.46
Response: 42363
Amount: 1
Conc: 106



Manual Integration Results

RT: 8.46
Response: 41486
Amount: 1
Conc: 105



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:17
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1126A-CS Lab Sample ID: 680-88811-71
 Matrix: Solid Lab File ID: 1AD09030.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:35
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.17(g) Date Analyzed: 04/09/2013 20:33
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 12.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 110 | U | 110 | 23 |
| 208-96-8 | Acenaphthylene | 45 | | 45 | 5.7 |
| 120-12-7 | Anthracene | 42 | | 9.5 | 4.8 |
| 56-55-3 | Benzo[a]anthracene | 140 | | 9.1 | 4.4 |
| 50-32-8 | Benzo[a]pyrene | 120 | | 12 | 5.9 |
| 205-99-2 | Benzo[b]fluoranthene | 280 | | 14 | 6.9 |
| 191-24-2 | Benzo[g,h,i]perylene | 160 | | 23 | 5.0 |
| 207-08-9 | Benzo[k]fluoranthene | 120 | | 9.1 | 4.1 |
| 218-01-9 | Chrysene | 200 | | 10 | 5.1 |
| 53-70-3 | Dibenz(a,h)anthracene | 46 | | 23 | 4.7 |
| 206-44-0 | Fluoranthene | 250 | | 23 | 4.5 |
| 86-73-7 | Fluorene | 23 | U | 23 | 4.7 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 180 | | 23 | 8.1 |
| 90-12-0 | 1-Methylnaphthalene | 33 | J | 45 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | 32 | J | 45 | 8.1 |
| 91-20-3 | Naphthalene | 38 | J | 45 | 5.0 |
| 85-01-8 | Phenanthrene | 110 | | 9.1 | 4.4 |
| 129-00-0 | Pyrene | 240 | | 23 | 4.2 |

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

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09030.D
 Lab Smp Id: 680-88811-A-71-A Client Smp ID: CV1126A-CS
 Inj Date : 09-APR-2013 20:33
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-71-a
 Misc Info : 680-88811-A-71-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 30
 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 | 15.170 | Weight Extracted |
| M | 12.896 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.597 | 2.591 | (1.000) | 1656182 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | 3.628 | 3.622 | (1.000) | 846731 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | 4.584 | 4.573 | (1.000) | 1343118 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | 4.883 | 4.877 | (1.065) | 149998 | 5.20502 | 393.9112 | |
| * 18 Chrysene-d12 | 240 | 6.608 | 6.597 | (1.000) | 1358828 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | 7.692 | 7.676 | (1.000) | 1623703 | 40.0000 | | |
| 2 Naphthalene | 128 | 2.608 | 2.602 | (1.004) | 13892 | 0.50468 | 38.1933 | |
| 3 2-Methylnaphthalene | 141 | 3.014 | 3.008 | (1.160) | 9043 | 0.42901 | 32.4670 | |
| 4 1-Methylnaphthalene | 142 | 3.067 | 3.062 | (1.181) | 7239 | 0.43063 | 32.5895 | |
| 5 Acenaphthylene | 152 | 3.537 | 3.532 | (0.975) | 10805 | 0.58869 | 44.5514 | |
| 11 Phenanthrene | 178 | 4.594 | 4.589 | (1.002) | 70383 | 1.39780 | 105.7842 | |
| 12 Anthracene | 178 | 4.627 | 4.626 | (1.009) | 15179 | 0.54855 | 41.5138 | |
| 13 Carbazole | 167 | 4.760 | 4.755 | (1.038) | 10880 | 0.27282 | 20.6466 | |
| 15 Fluoranthene | 202 | 5.465 | 5.454 | (1.192) | 195044 | 3.34837 | 253.4019 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 16 Pyrene | 202 | 5.631 | 5.620 | (0.852) | 166859 | 3.18668 | 241.1648 |
| 17 Benzo(a)anthracene | 228 | 6.597 | 6.581 | (0.998) | 85369 | 1.88343 | 142.5362 |
| 19 Chrysene | 228 | 6.624 | 6.613 | (1.002) | 121598 | 2.63040 | 199.0661 |
| 20 Benzo(b)fluoranthene | 252 | 7.415 | 7.404 | (0.964) | 182021 | 3.69710 | 279.7928(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.425 | 7.425 | (0.965) | 87429 | 1.59888 | 121.0021(QM) |
| 22 Benzo(a)pyrene | 252 | 7.639 | 7.628 | (0.993) | 115986 | 1.62370 | 122.8802 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.461 | 8.451 | (1.100) | 92449 | 2.37207 | 179.5164(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.488 | 8.477 | (1.103) | 24827 | 0.60481 | 45.7711 |
| 26 Benzo(g,h,i)perylene | 276 | 8.686 | 8.670 | (1.129) | 96417 | 2.18020 | 164.9955 |

QC Flag Legend

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

Data File: 1AD09030.D

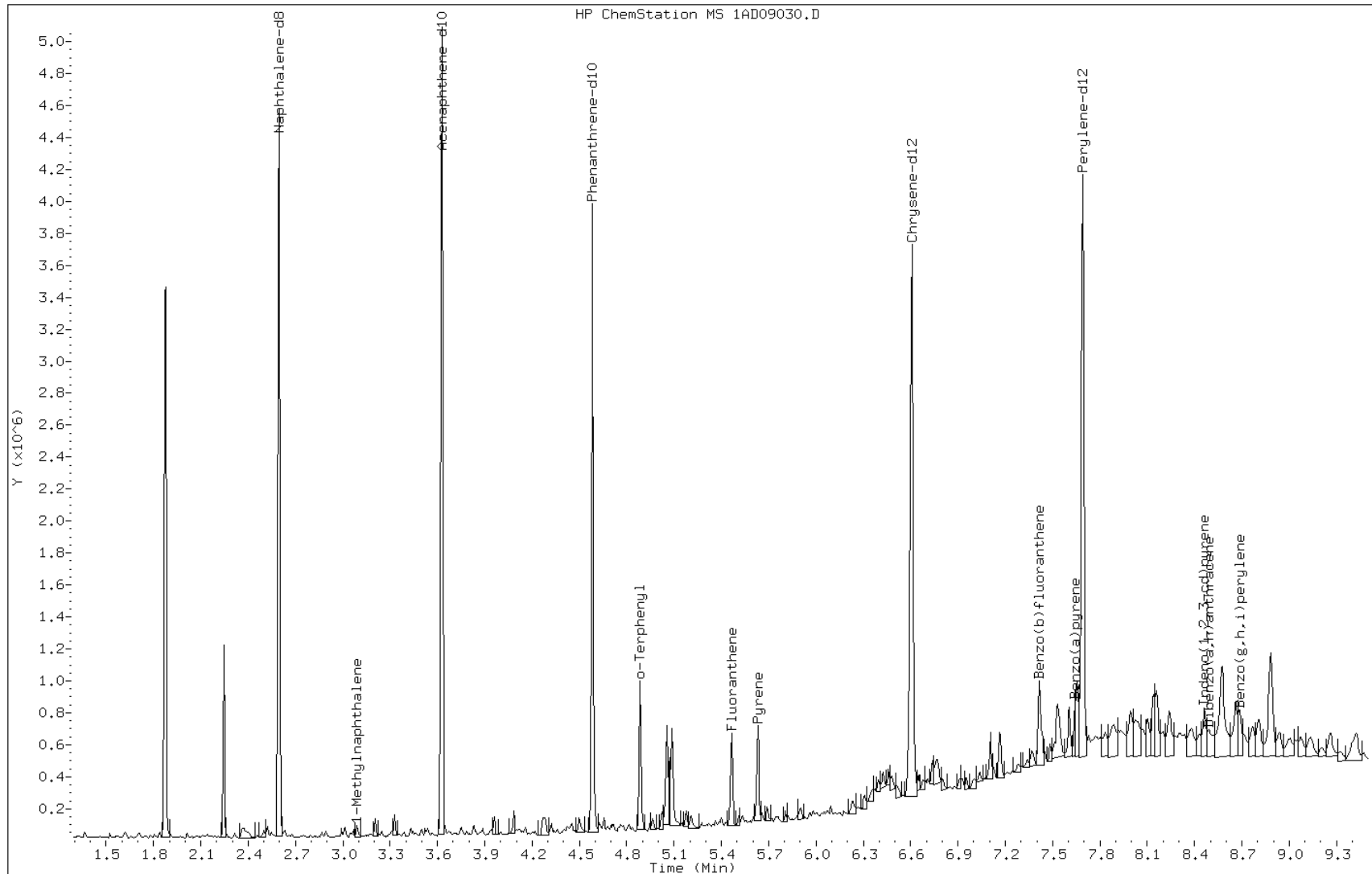
Date: 09-APR-2013 20:33

Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

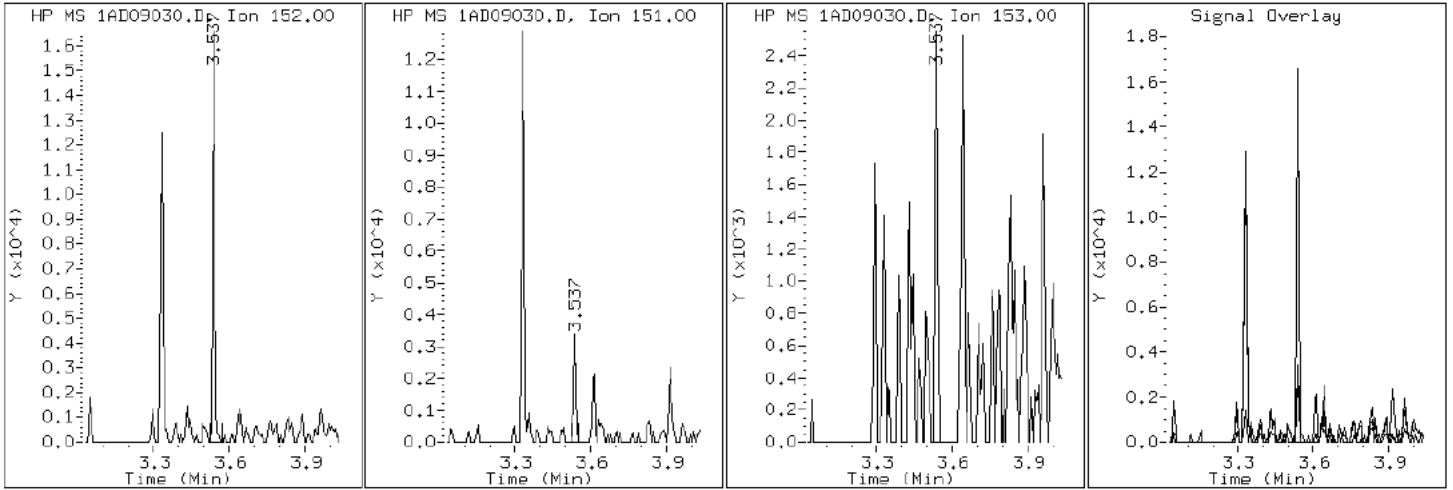
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

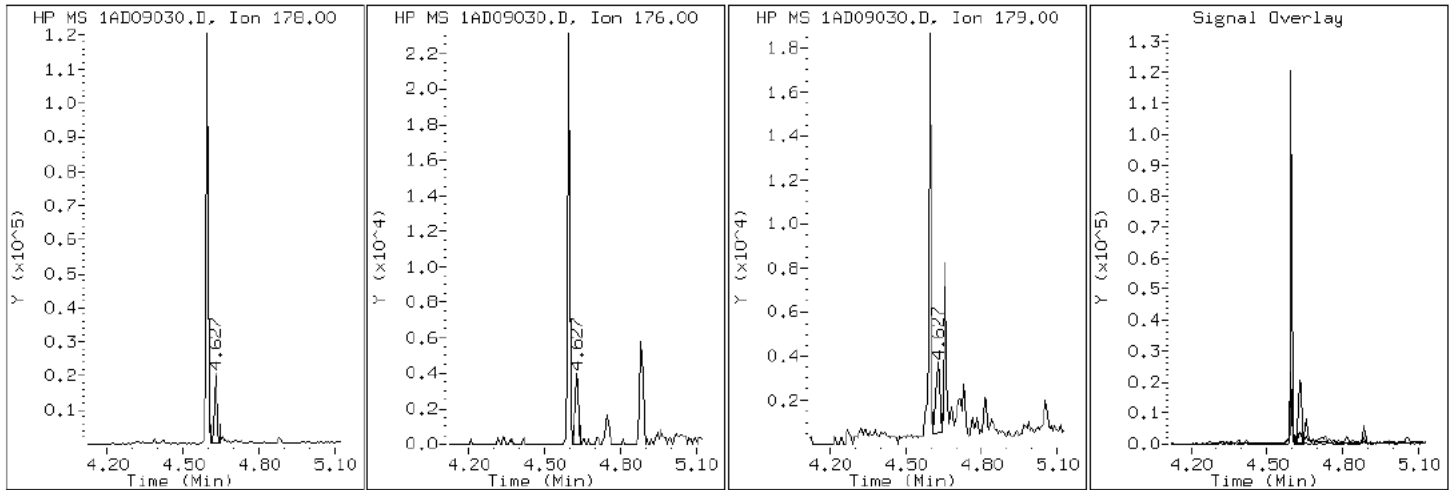
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

12 Anthracene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

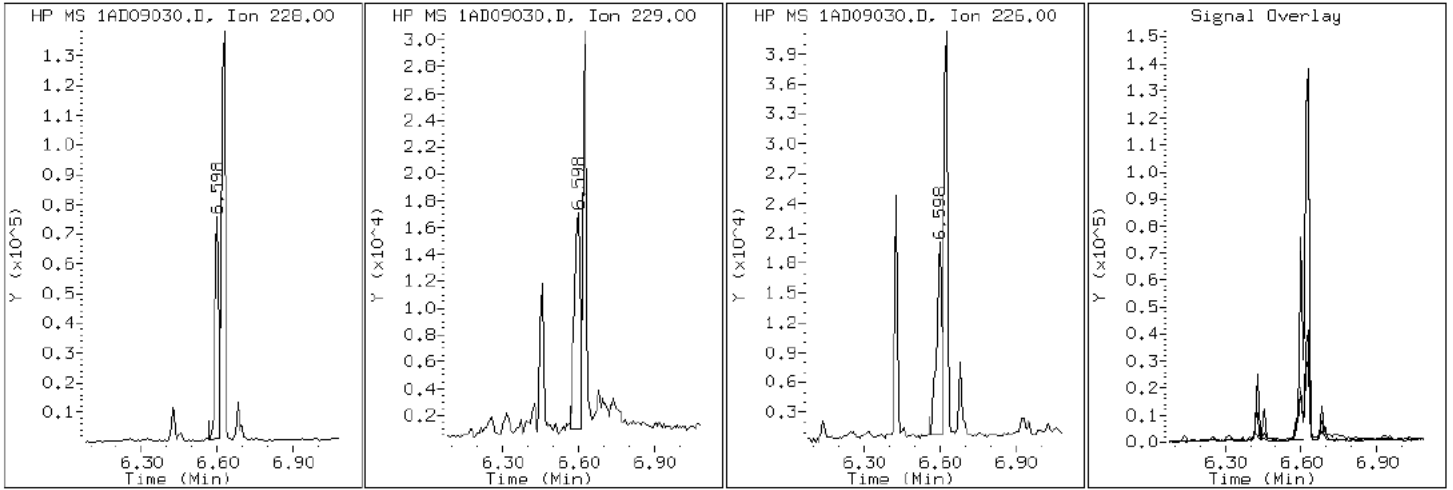
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

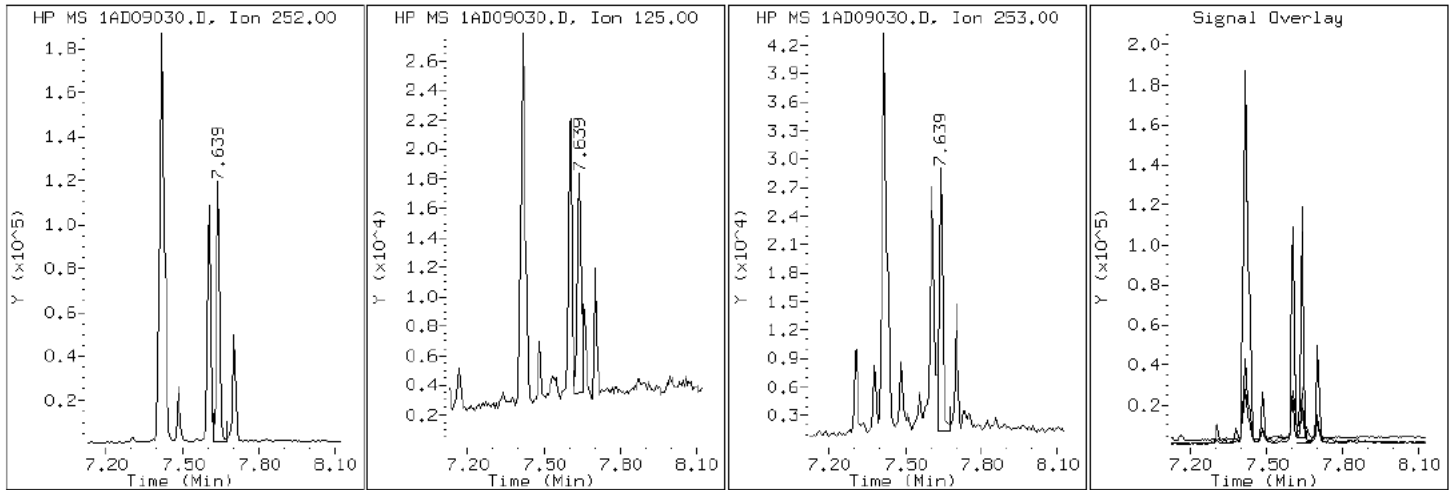
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

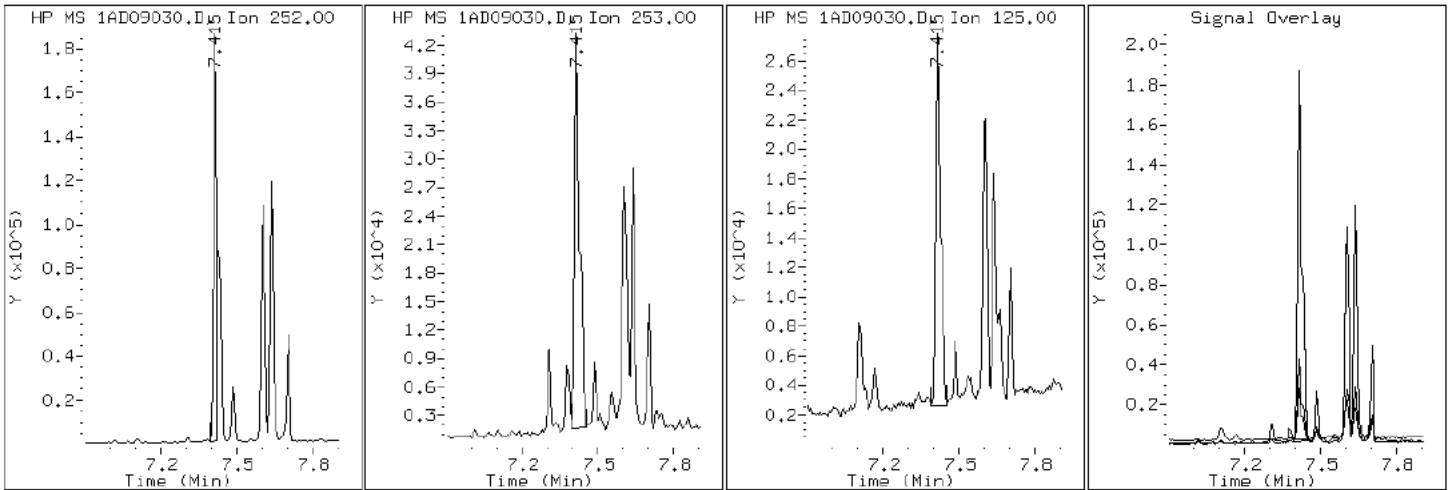
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

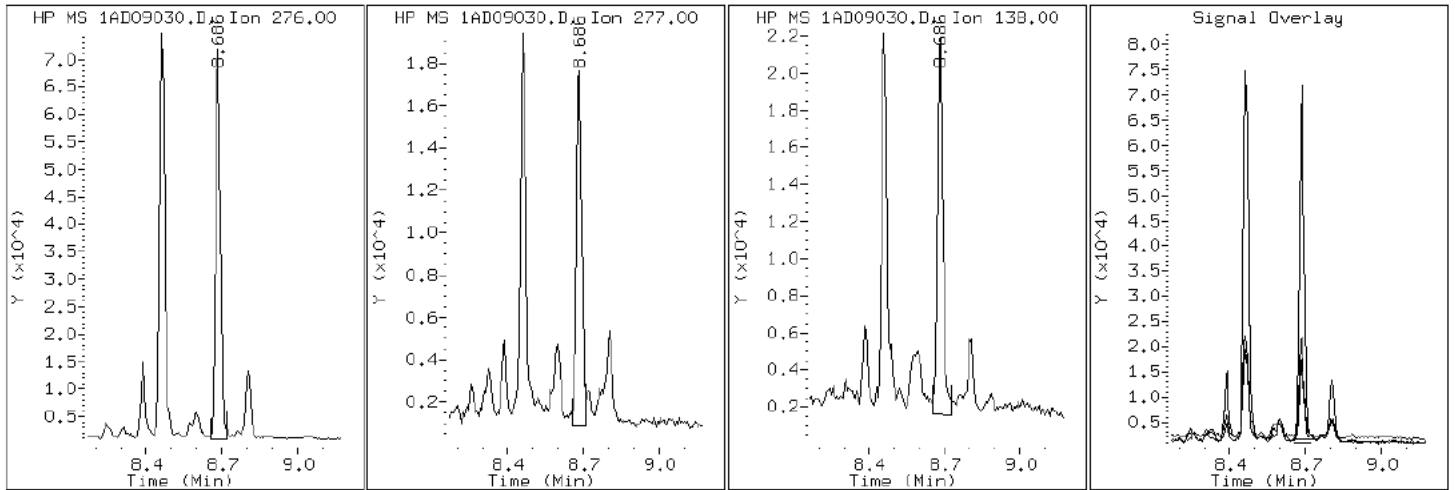
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

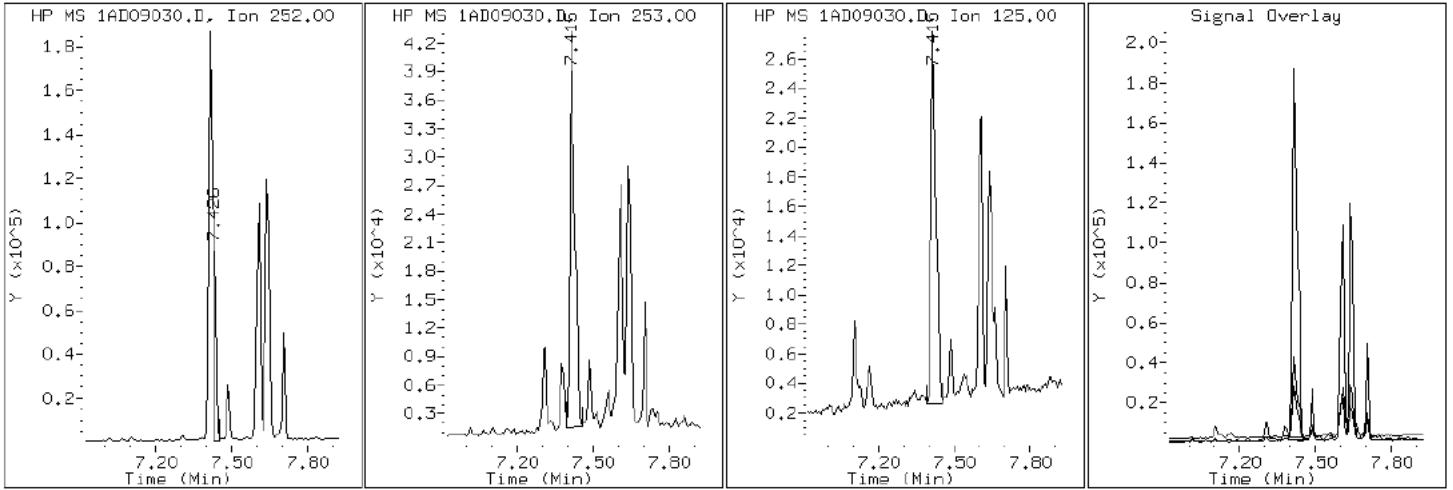
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

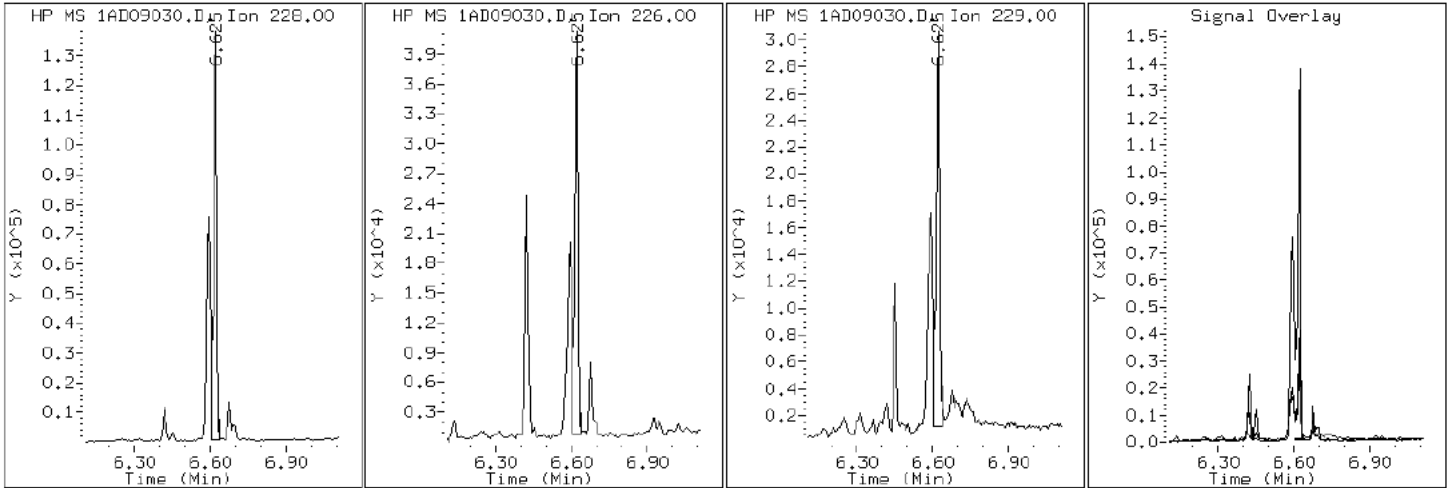
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

19 Chrysene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

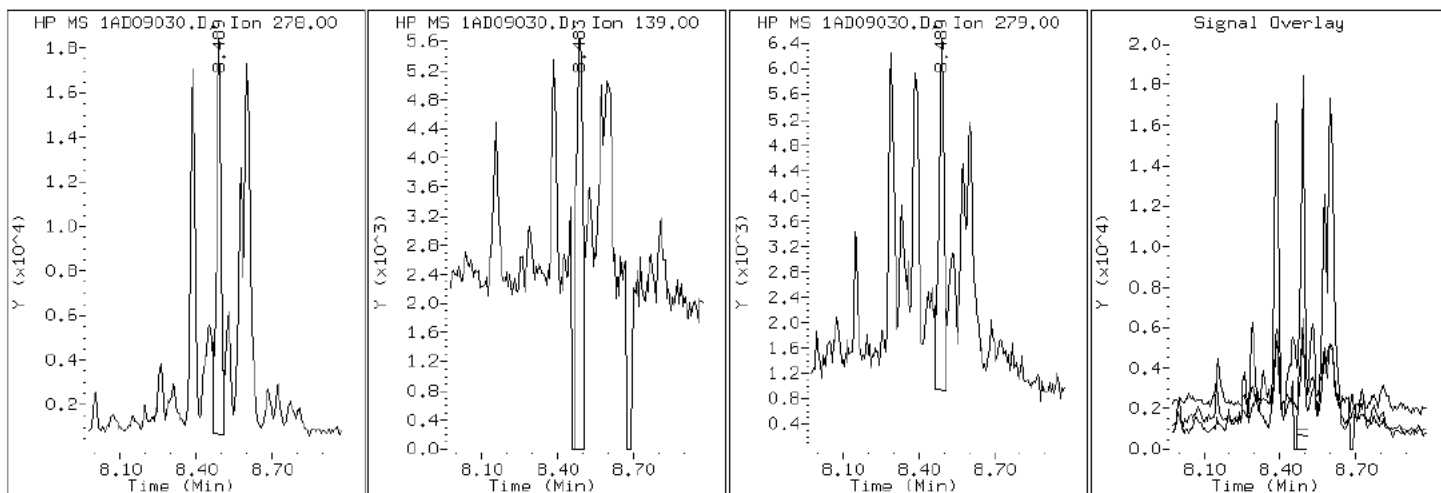
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

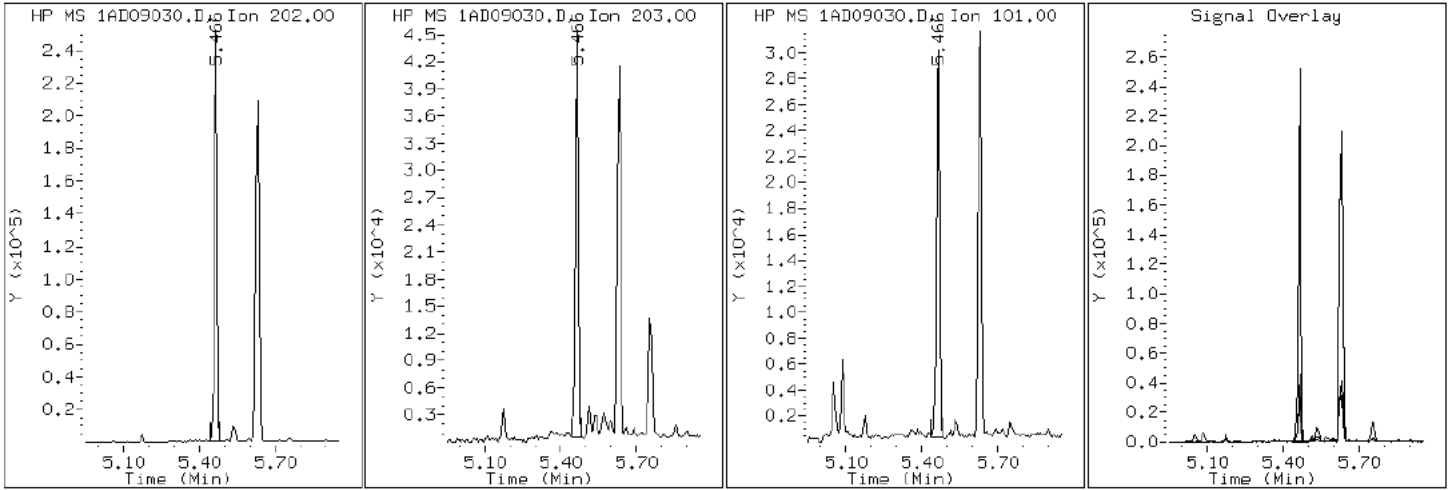
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

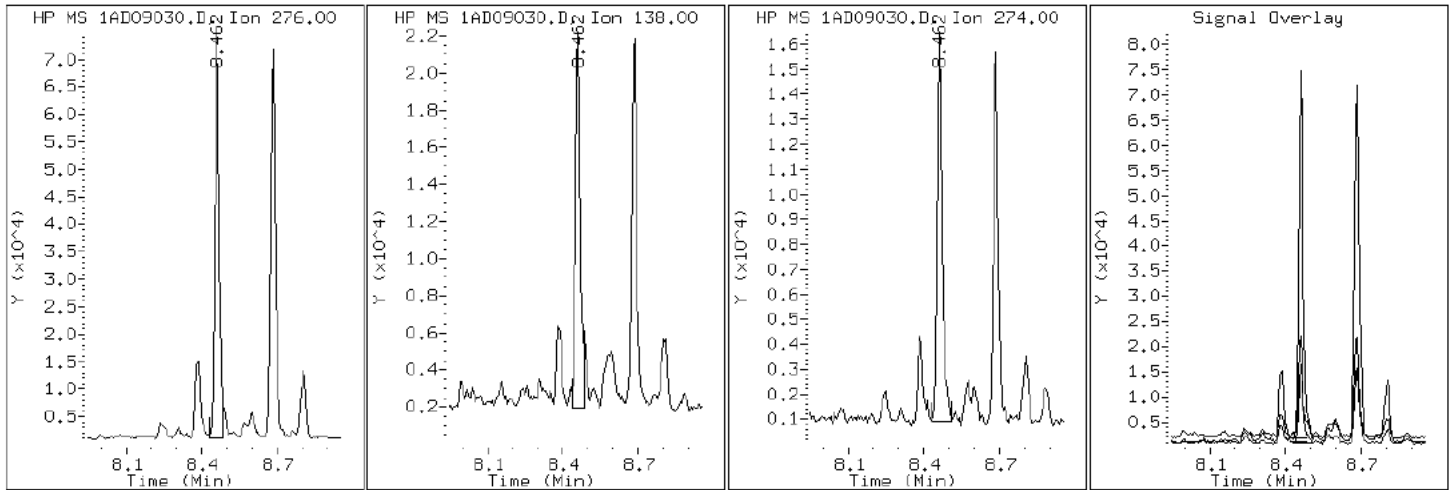
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

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



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

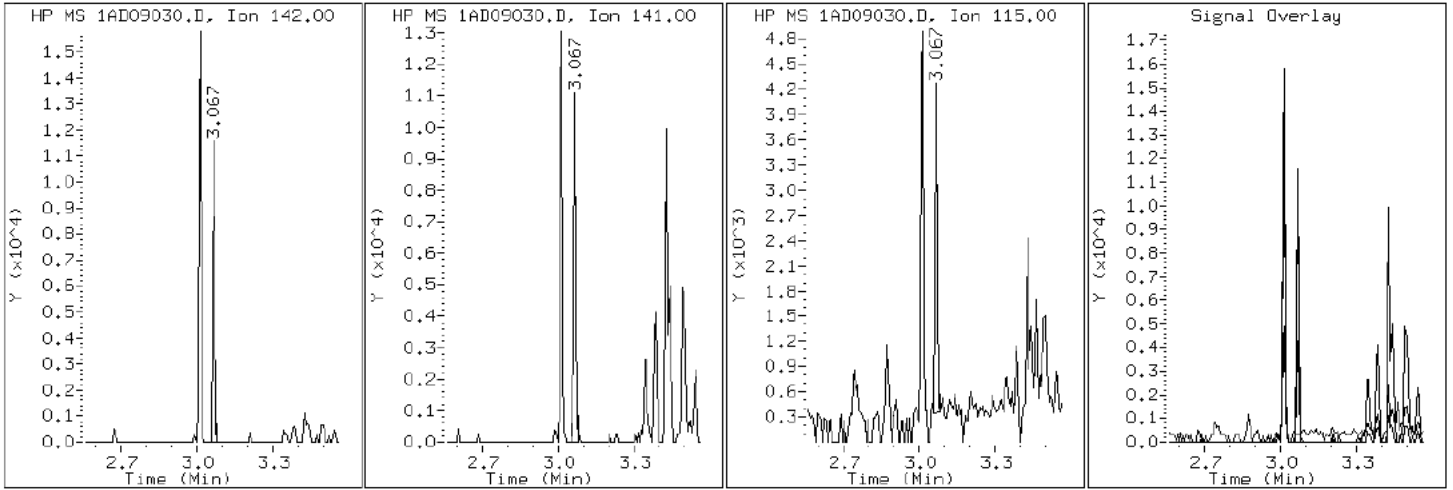
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

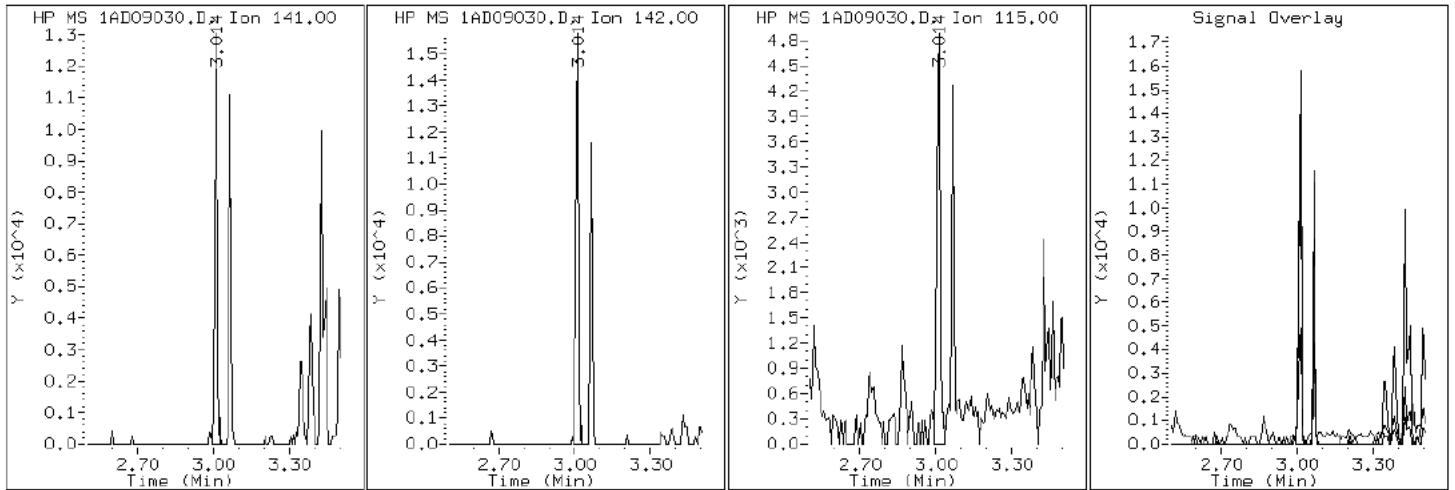
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

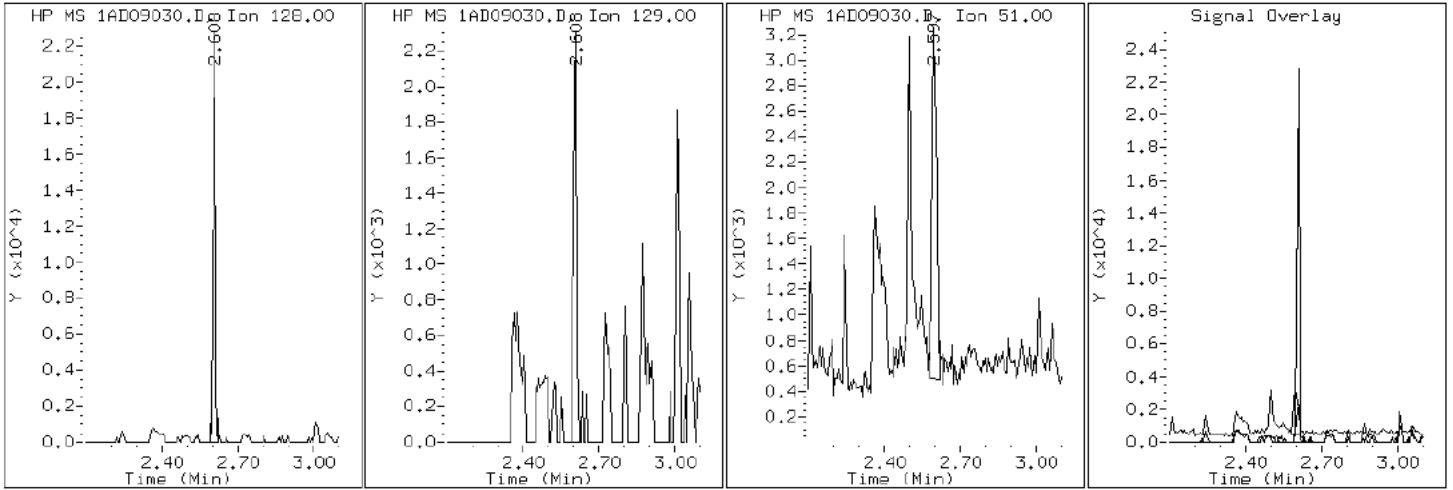
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

2 Naphthalene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

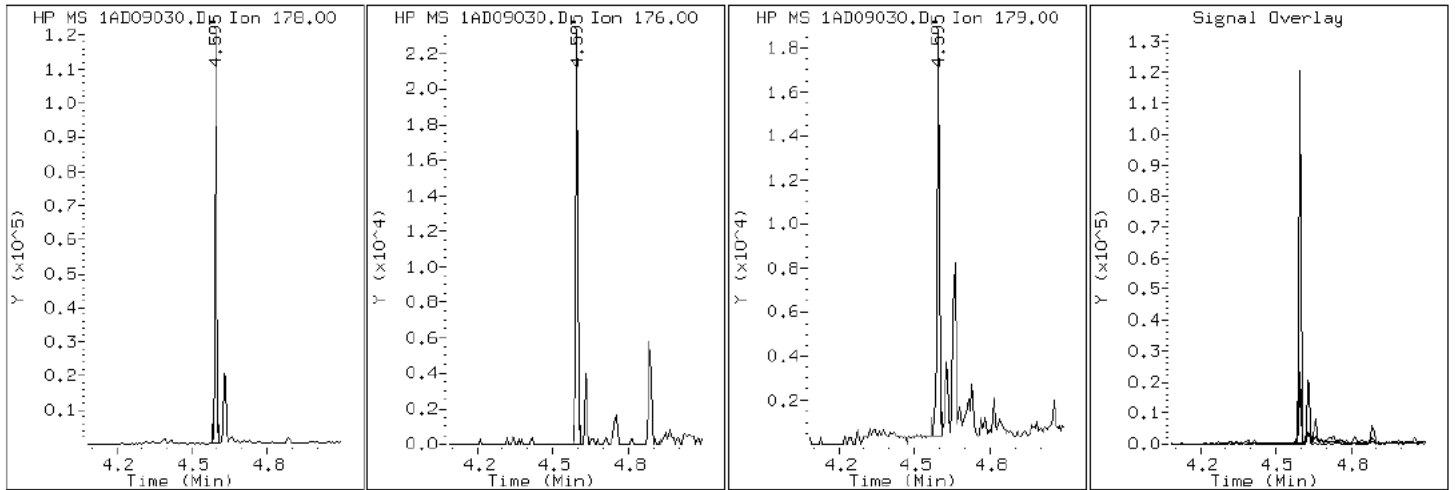
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09030.D

Date: 09-APR-2013 20:33

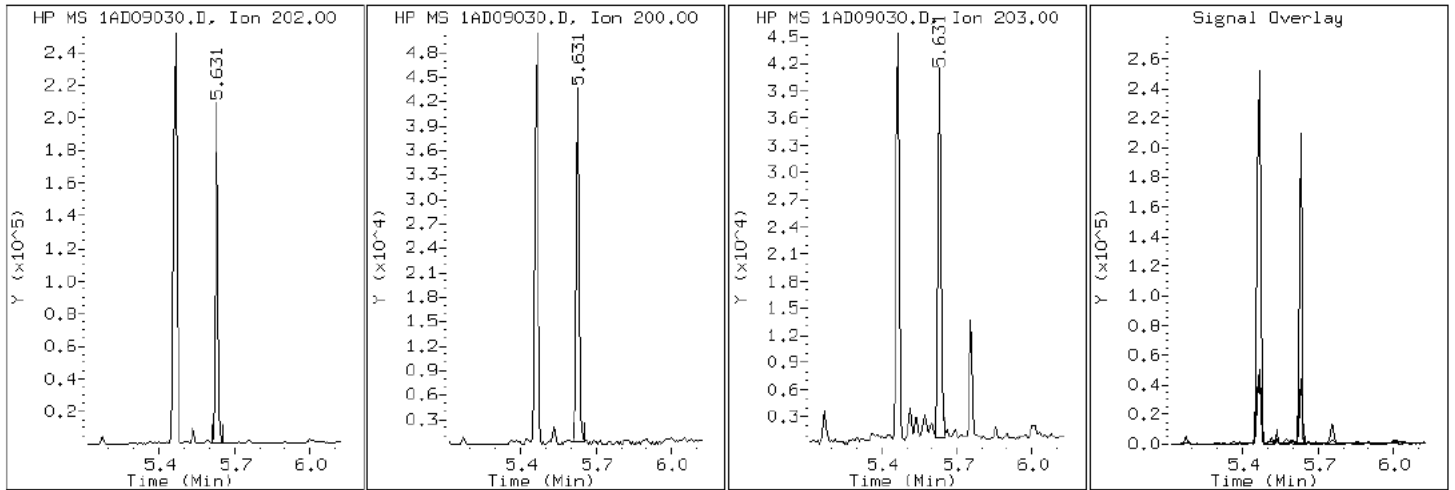
Client ID: CV1126A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-71-a

Operator: SCC

16 Pyrene

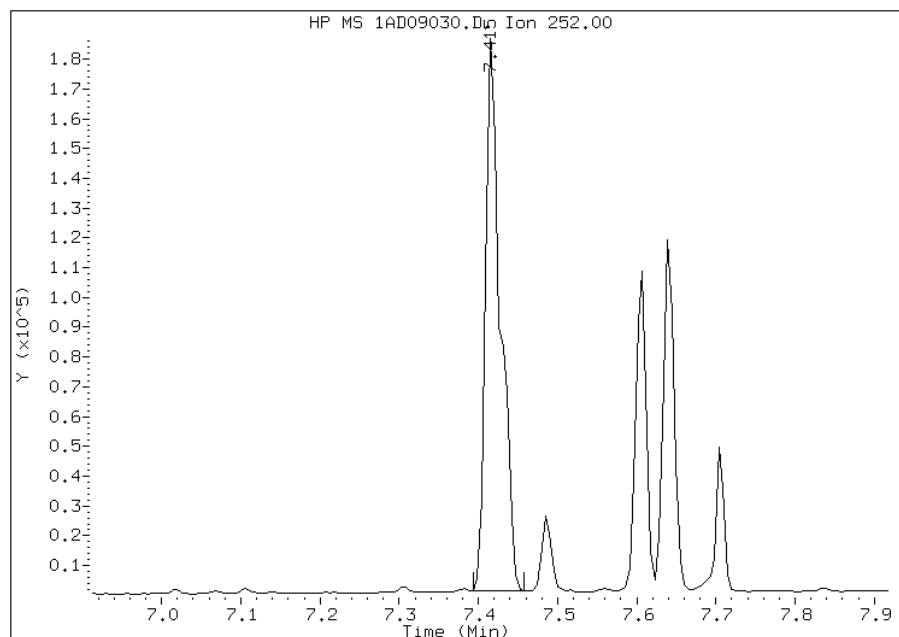


Manual Integration Report

Data File: 1AD09030.D
Inj. Date and Time: 09-APR-2013 20:33
Instrument ID: BSMA5973.i
Client ID: CV1126A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

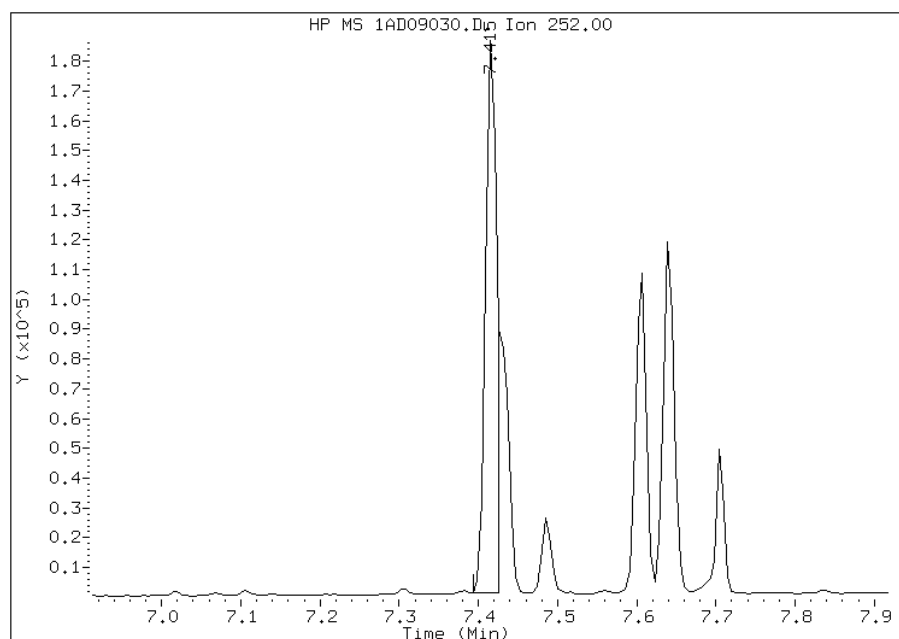
Processing Integration Results

RT: 7.42
Response: 239789
Amount: 5
Conc: 369



Manual Integration Results

RT: 7.42
Response: 182021
Amount: 4
Conc: 280



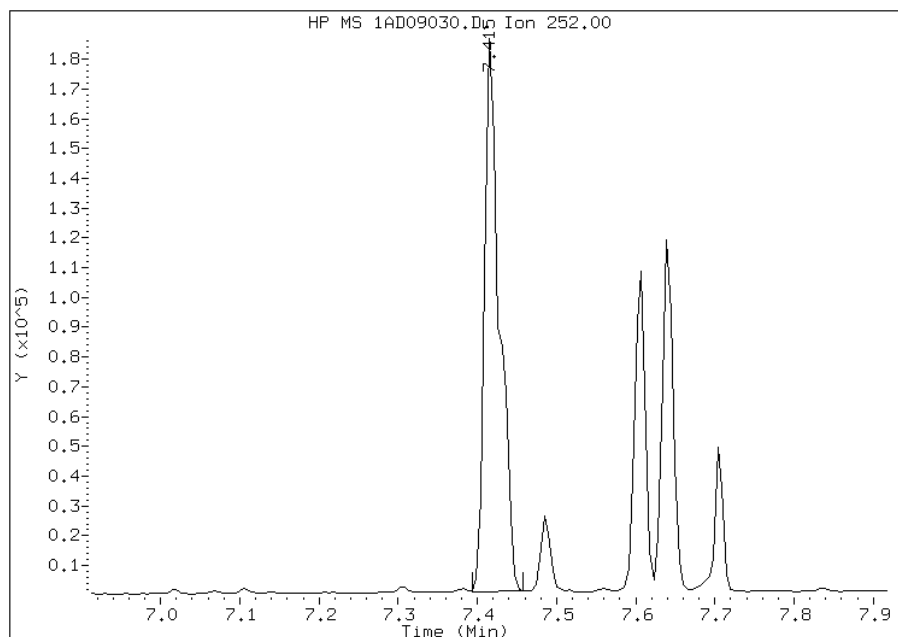
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:17
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09030.D
Inj. Date and Time: 09-APR-2013 20:33
Instrument ID: BSMA5973.i
Client ID: CV1126A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

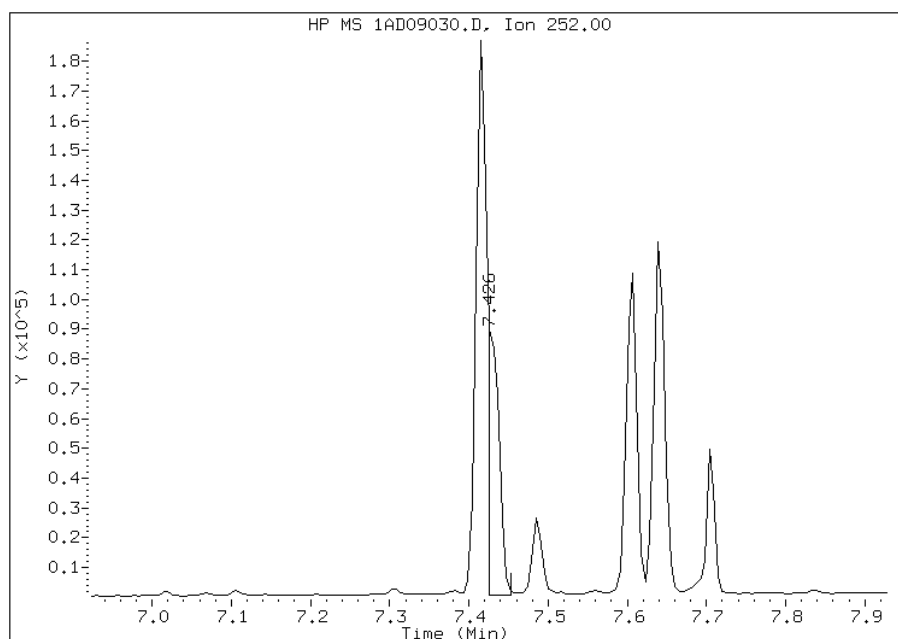
Processing Integration Results

RT: 7.42
Response: 239951
Amount: 4
Conc: 332



Manual Integration Results

RT: 7.43
Response: 87429
Amount: 2
Conc: 121



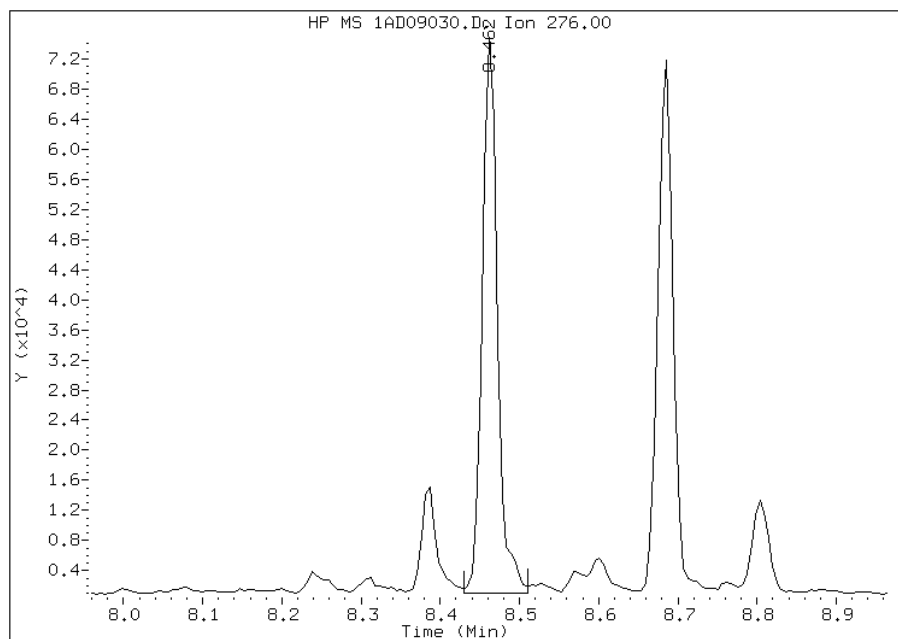
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:17
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09030.D
Inj. Date and Time: 09-APR-2013 20:33
Instrument ID: BSMA5973.i
Client ID: CV1126A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

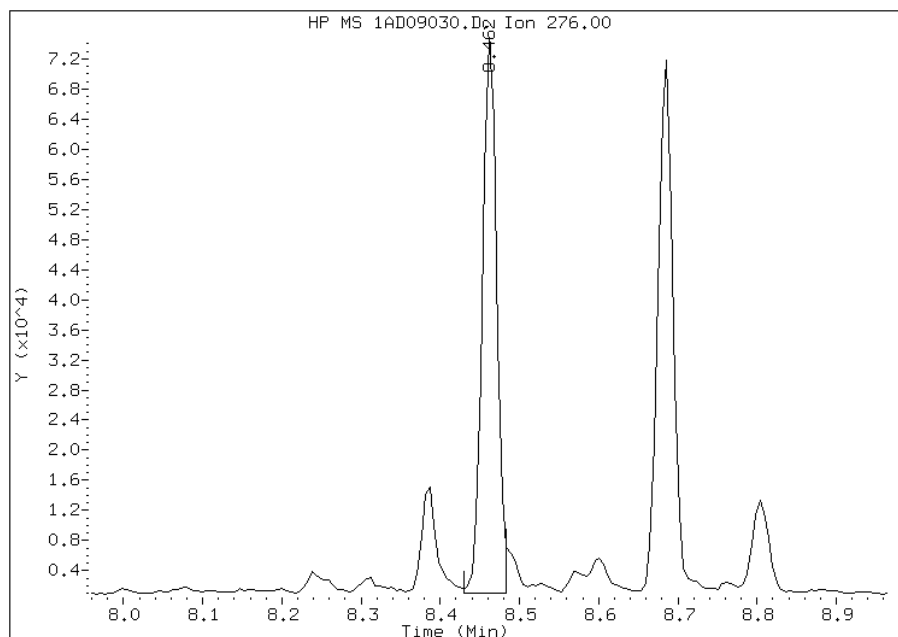
Processing Integration Results

RT: 8.46
Response: 96911
Amount: 2
Conc: 187



Manual Integration Results

RT: 8.46
Response: 92449
Amount: 2
Conc: 180



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:17
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1126B-CS Lab Sample ID: 680-88811-72
 Matrix: Solid Lab File ID: 1AD09031.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:45
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 14.99(g) Date Analyzed: 04/09/2013 20:49
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 16.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 120 | U | 120 | 24 |
| 208-96-8 | Acenaphthylene | 48 | U | 48 | 6.0 |
| 120-12-7 | Anthracene | 10 | U | 10 | 5.0 |
| 56-55-3 | Benzo[a]anthracene | 39 | | 9.6 | 4.7 |
| 50-32-8 | Benzo[a]pyrene | 12 | U | 12 | 6.2 |
| 205-99-2 | Benzo[b]fluoranthene | 82 | | 15 | 7.3 |
| 191-24-2 | Benzo[g,h,i]perylene | 41 | | 24 | 5.3 |
| 207-08-9 | Benzo[k]fluoranthene | 18 | | 9.6 | 4.3 |
| 218-01-9 | Chrysene | 55 | | 11 | 5.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 15 | J | 24 | 4.9 |
| 206-44-0 | Fluoranthene | 50 | | 24 | 4.8 |
| 86-73-7 | Fluorene | 24 | U | 24 | 4.9 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 66 | | 24 | 8.5 |
| 90-12-0 | 1-Methylnaphthalene | 35 | J | 48 | 5.3 |
| 91-57-6 | 2-Methylnaphthalene | 36 | J | 48 | 8.5 |
| 91-20-3 | Naphthalene | 45 | J | 48 | 5.3 |
| 85-01-8 | Phenanthrene | 56 | | 9.6 | 4.7 |
| 129-00-0 | Pyrene | 48 | | 24 | 4.4 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 60 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09031.D
 Lab Smp Id: 680-88811-A-72-A Client Smp ID: CV1126B-CS
 Inj Date : 09-APR-2013 20:49
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-72-a
 Misc Info : 680-88811-A-72-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 31
 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 | 14.990 | Weight Extracted |
| M | 16.490 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.597 | 2.591 | (1.000) | 1695186 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.628 | 3.622 | (1.000) | 870742 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.584 | 4.573 | (1.000) | 1351601 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.888 | 4.877 | (1.066) | 171689 | 6.01112 | 480.1950 | |
| * 18 Chrysene-d12 | 240 | | 6.608 | 6.597 | (1.000) | 1363808 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.692 | 7.676 | (1.000) | 1591481 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.608 | 2.602 | (1.004) | 18647 | 0.56275 | 44.9551 | |
| 3 2-Methylnaphthalene | 141 | | 3.014 | 3.008 | (1.160) | 10272 | 0.45310 | 36.1959 | |
| 4 1-Methylnaphthalene | 142 | | 3.067 | 3.062 | (1.181) | 7905 | 0.43997 | 35.1468 | |
| 11 Phenanthrene | 178 | | 4.595 | 4.589 | (1.002) | 26698 | 0.70176 | 56.0597 | |
| 13 Carbazole | 167 | | 4.760 | 4.755 | (1.038) | 5813 | 0.17679 | 14.1229 | |
| 15 Fluoranthene | 202 | | 5.465 | 5.454 | (1.192) | 35143 | 0.62498 | 49.9265 | |
| 16 Pyrene | 202 | | 5.631 | 5.620 | (0.852) | 31581 | 0.60093 | 48.0051 | |
| 17 Benzo(a)anthracene | 228 | | 6.598 | 6.581 | (0.998) | 22374 | 0.49182 | 39.2886 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 19 Chrysene | 228 | 6.619 | 6.613 | (1.002) | 31927 | 0.68812 | 54.9701 |
| 20 Benzo(b)fluoranthene | 252 | 7.415 | 7.404 | (0.964) | 49501 | 1.02579 | 81.9446(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.431 | 7.425 | (0.966) | 11848 | 0.22106 | 17.6593(QM) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.467 | 8.451 | (1.101) | 19846 | 0.83205 | 66.4681(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.494 | 8.477 | (1.104) | 7457 | 0.18534 | 14.8055 |
| 26 Benzo(g,h,i)perylene | 276 | 8.686 | 8.670 | (1.129) | 22114 | 0.51017 | 40.7546 |

QC Flag Legend

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

Data File: 1AD09031.D

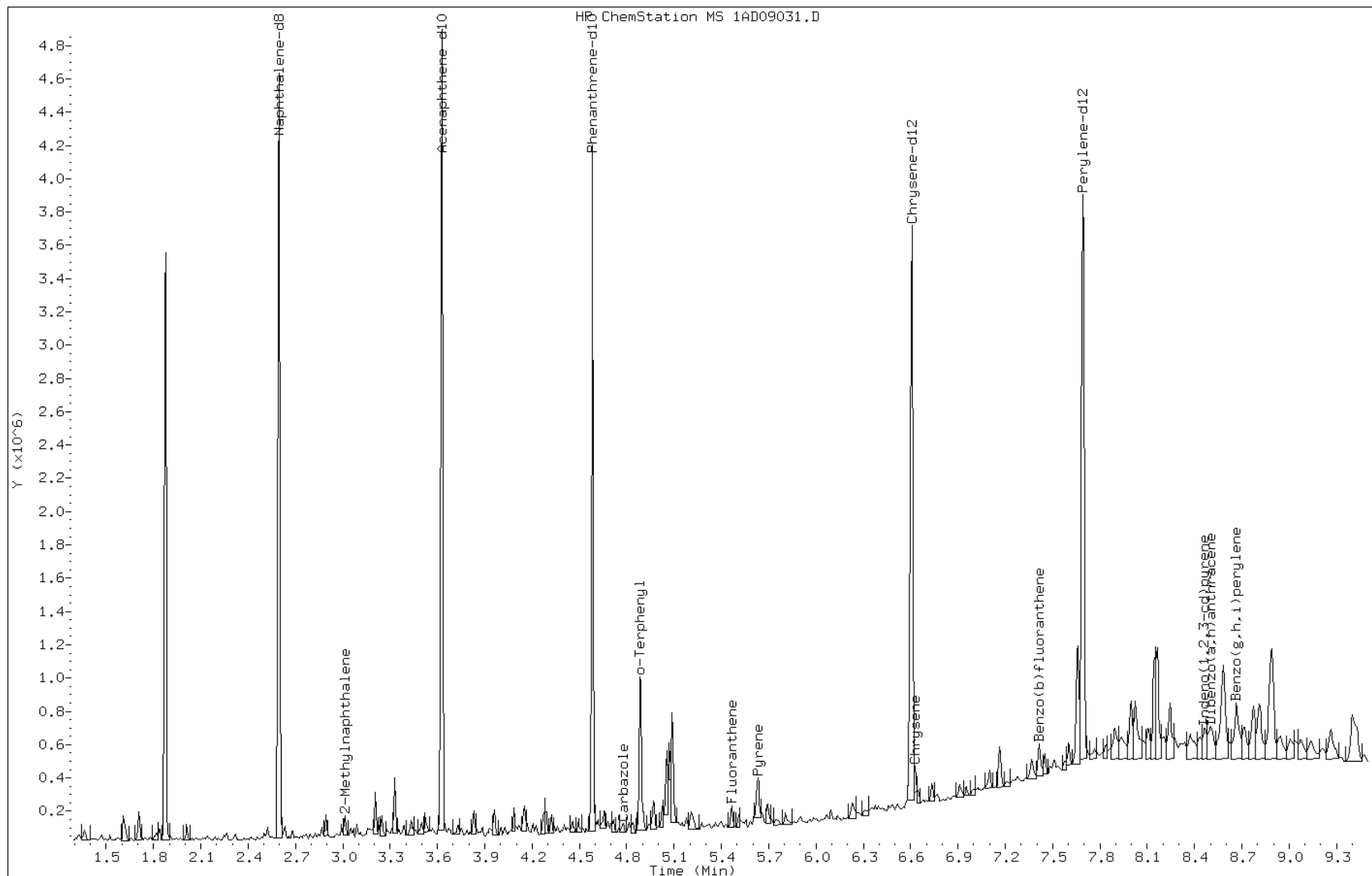
Date: 09-APR-2013 20:49

Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

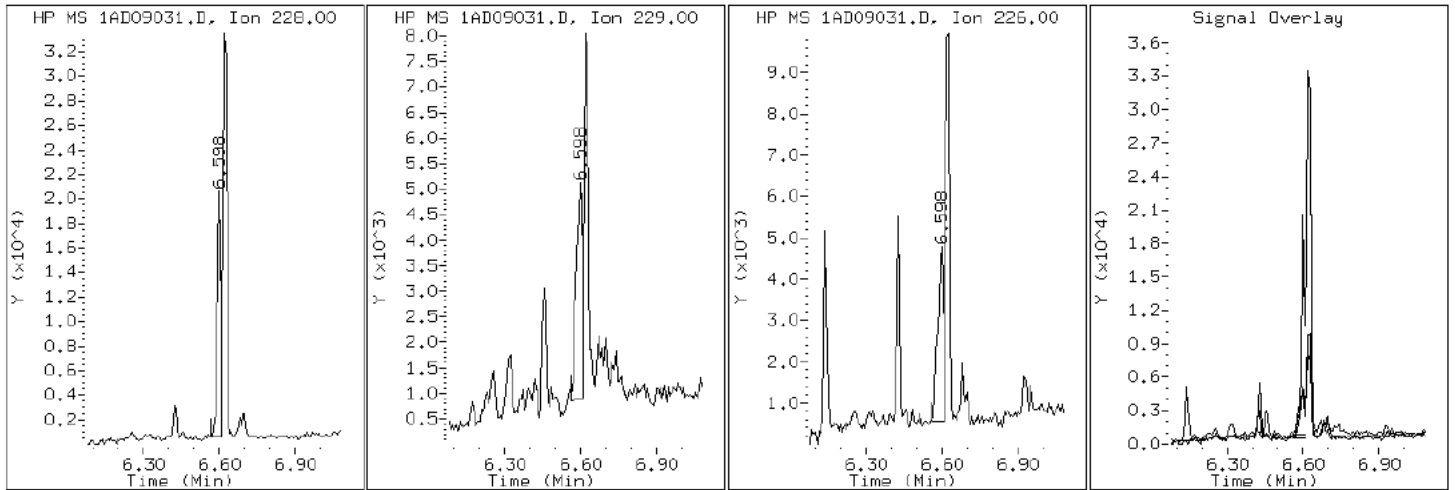
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

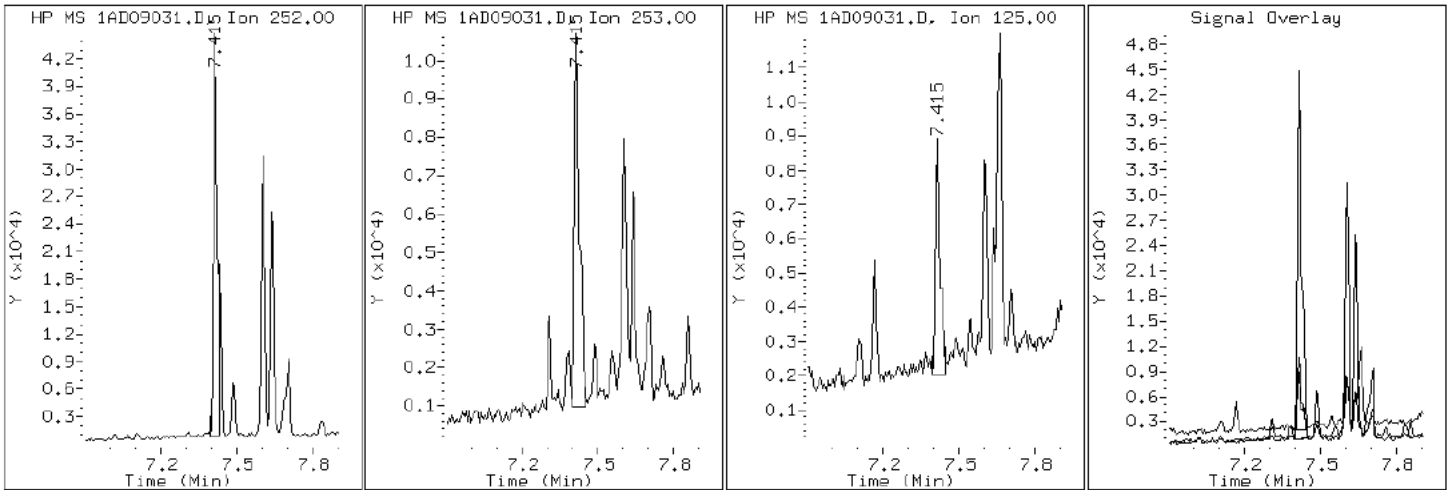
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

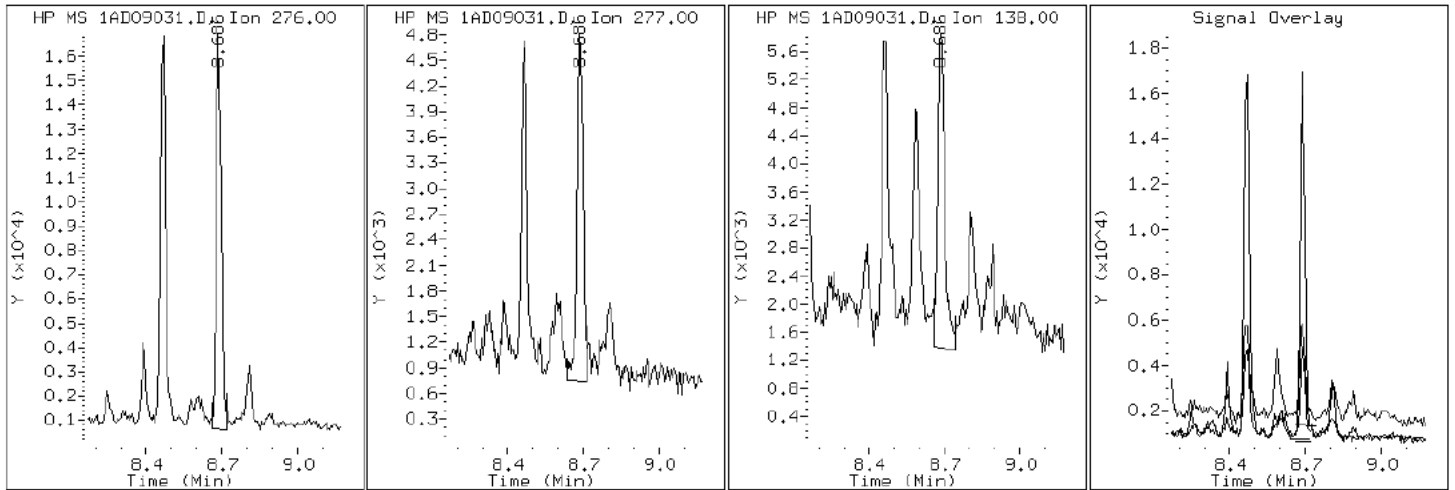
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

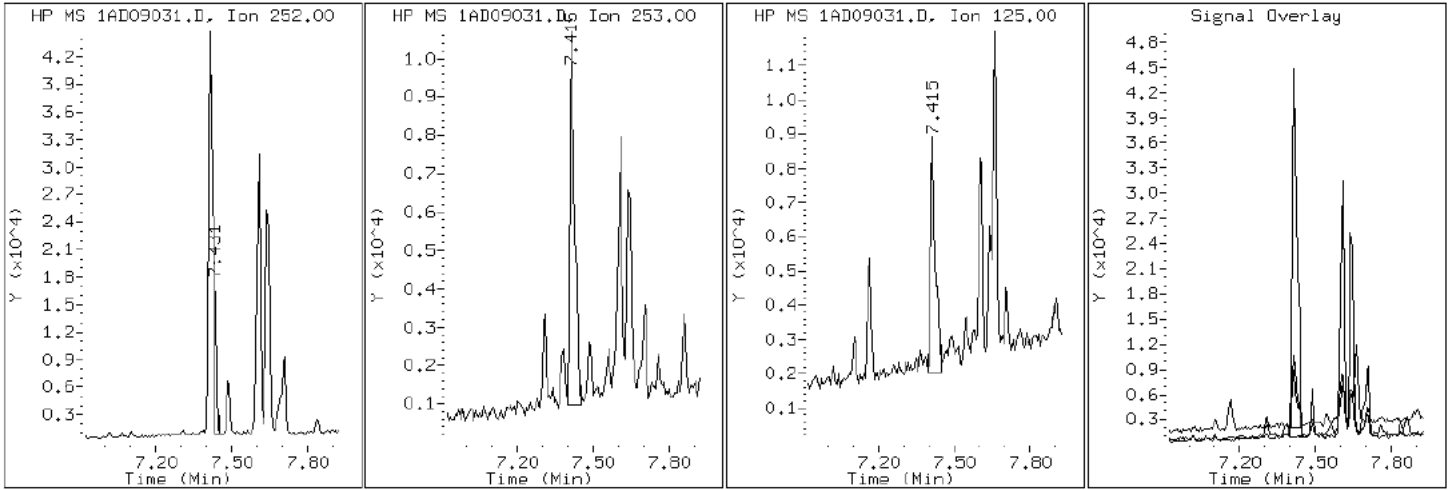
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

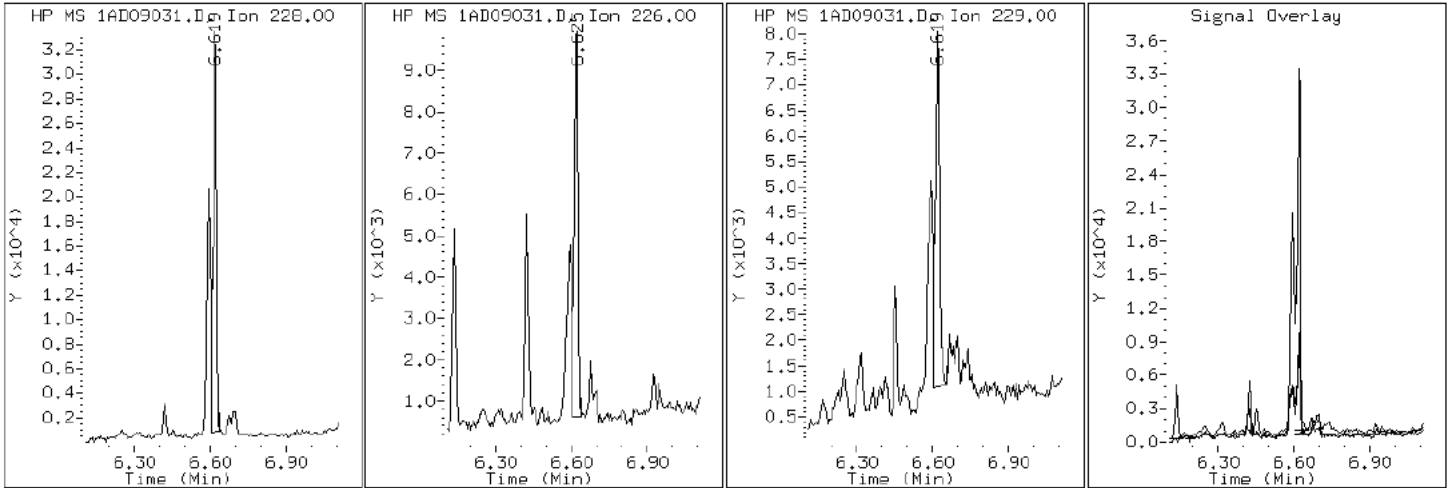
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

19 Chrysene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

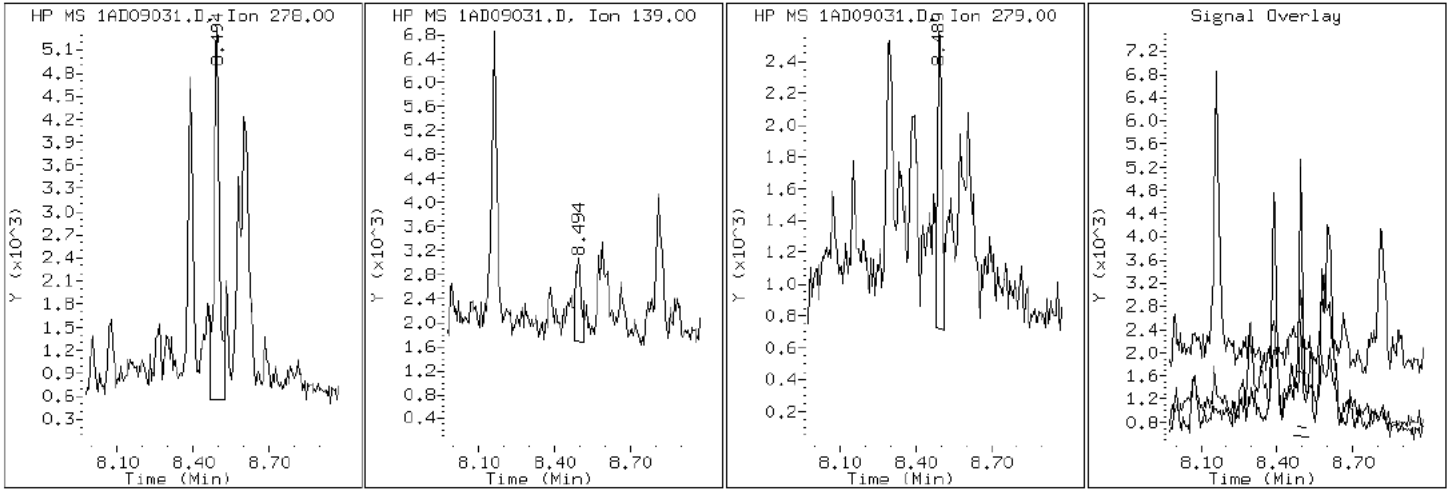
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

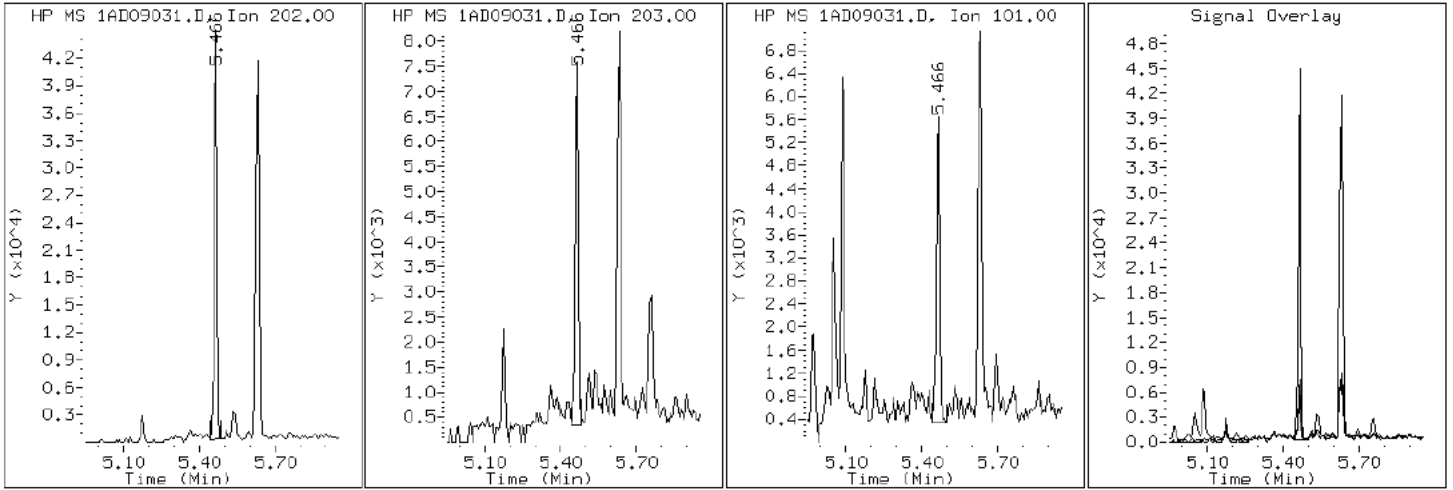
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

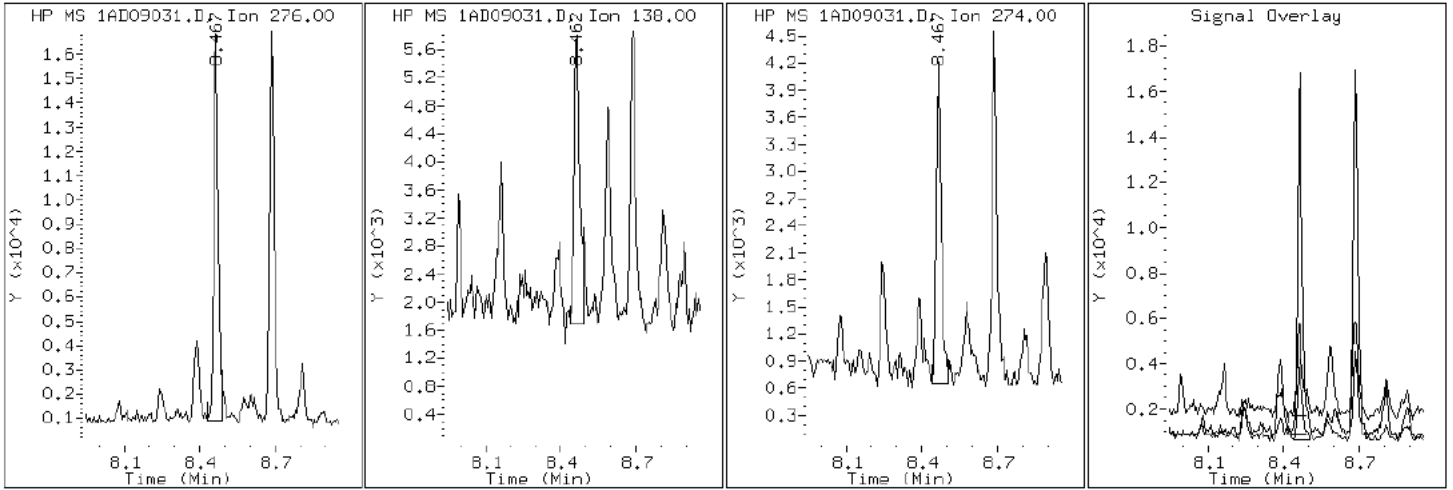
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

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



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

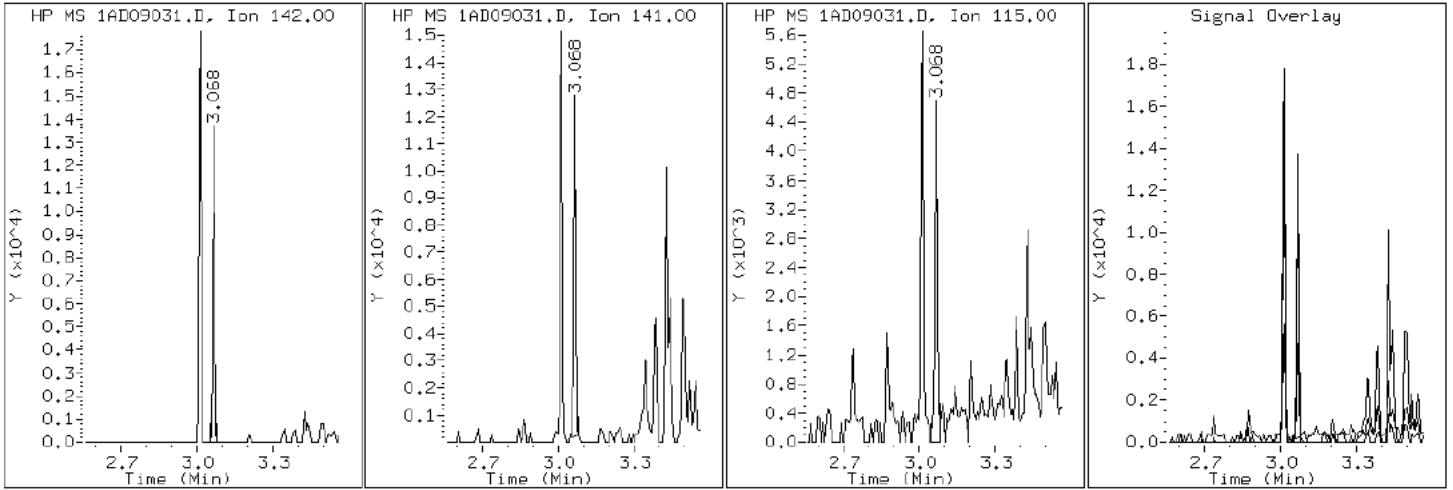
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

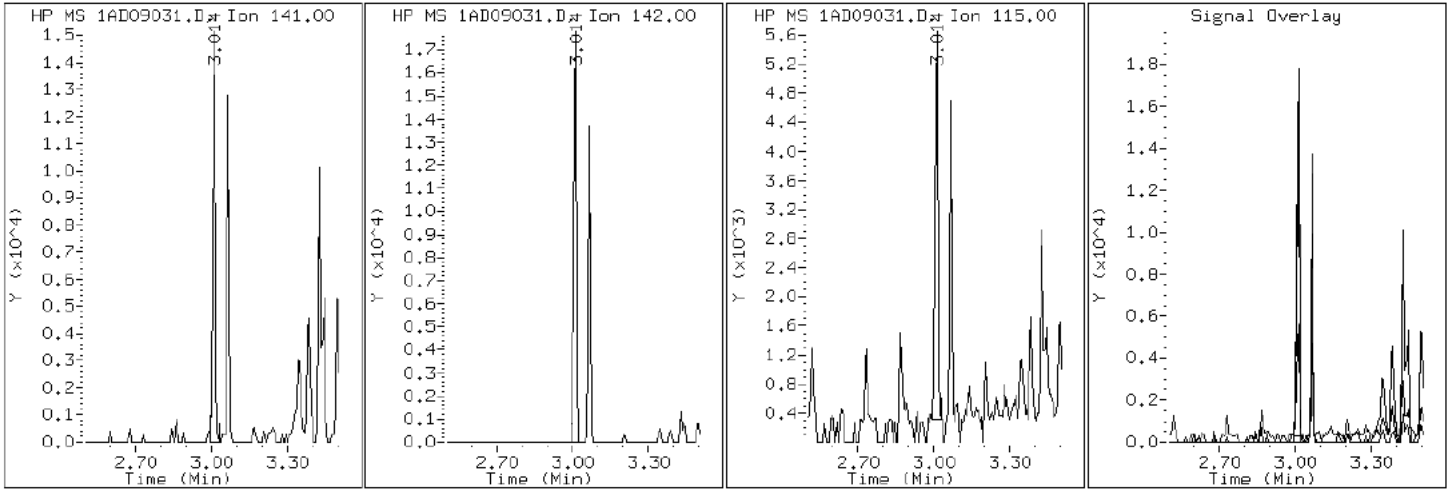
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

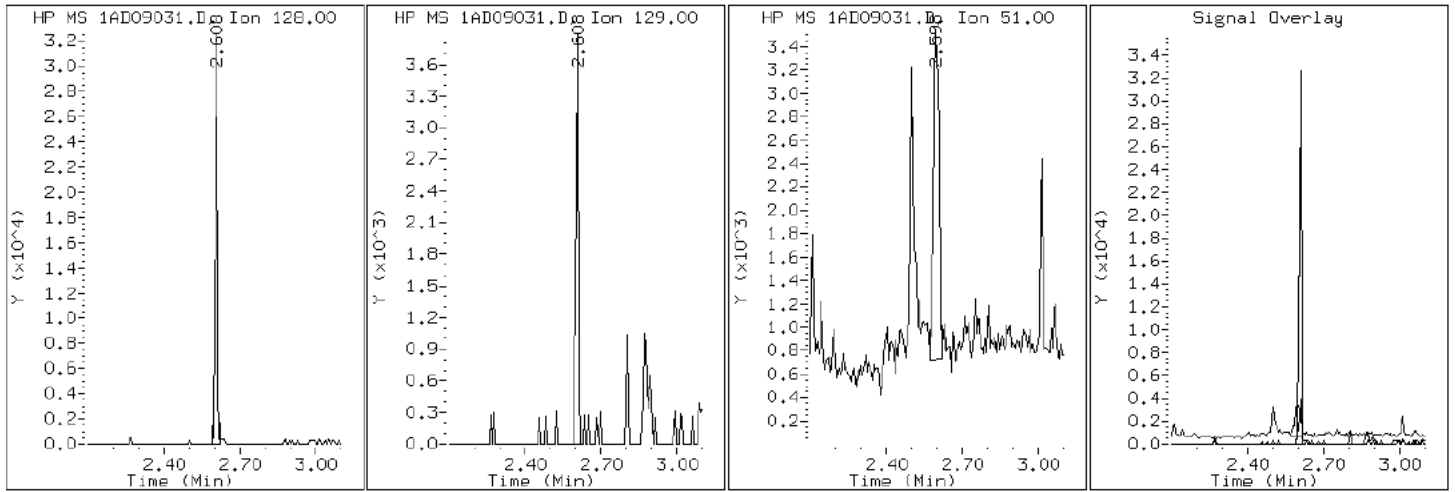
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

2 Naphthalene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

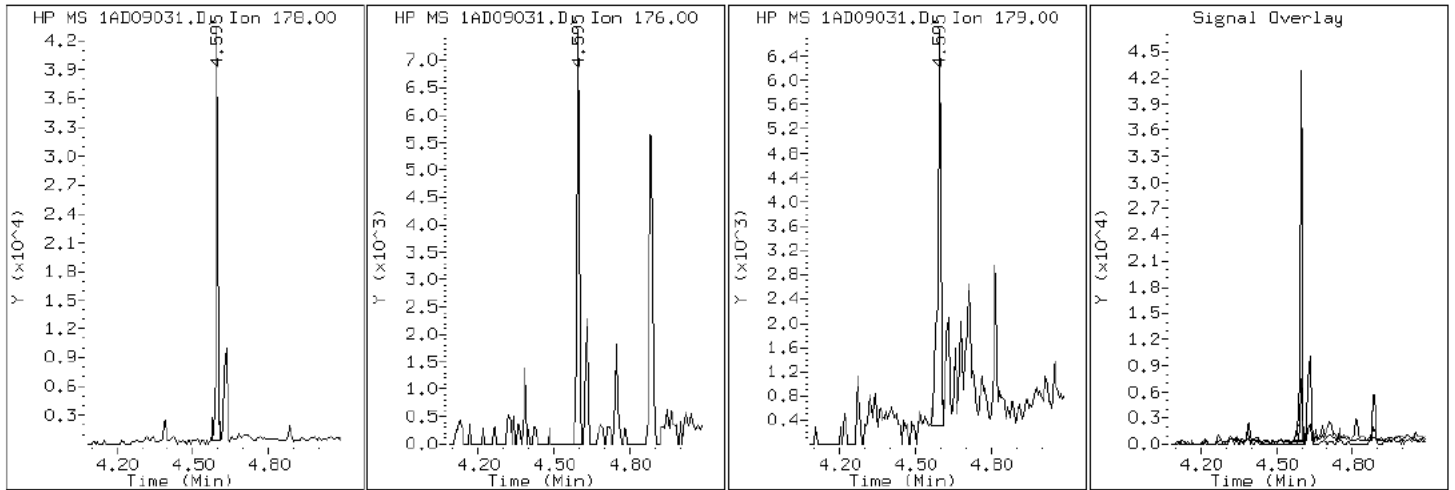
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09031.D

Date: 09-APR-2013 20:49

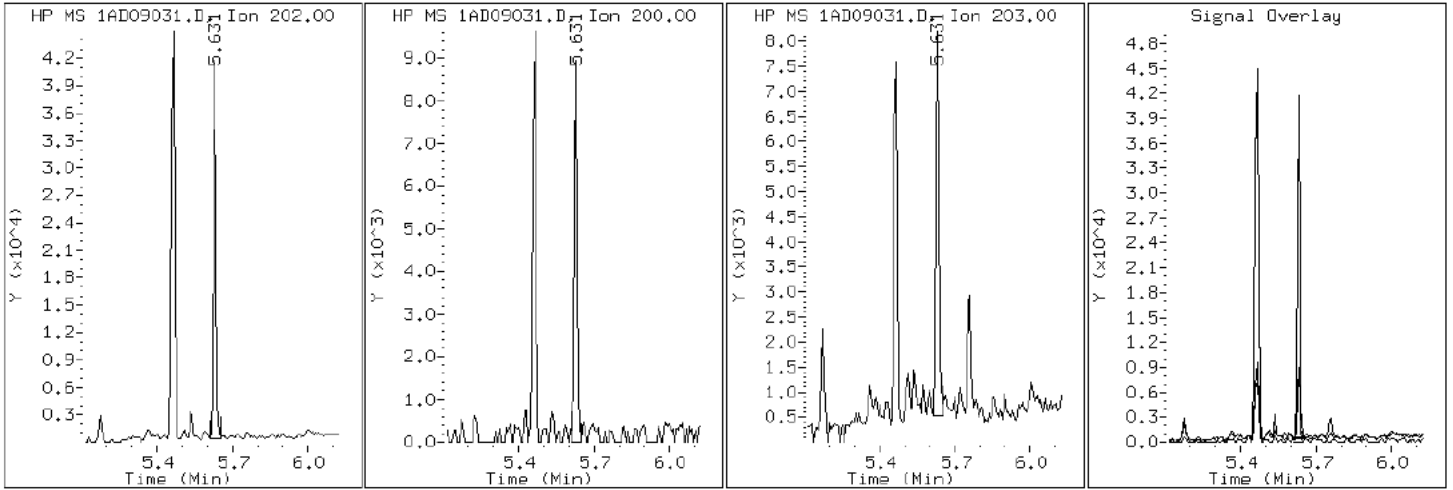
Client ID: CV1126B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-72-a

Operator: SCC

16 Pyrene

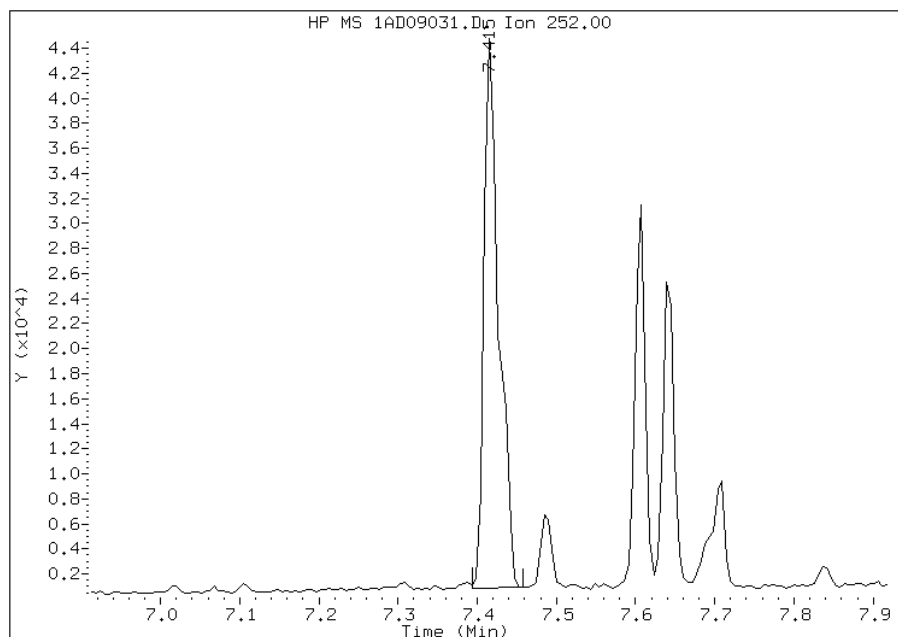


Manual Integration Report

Data File: 1AD09031.D
Inj. Date and Time: 09-APR-2013 20:49
Instrument ID: BSMA5973.i
Client ID: CV1126B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

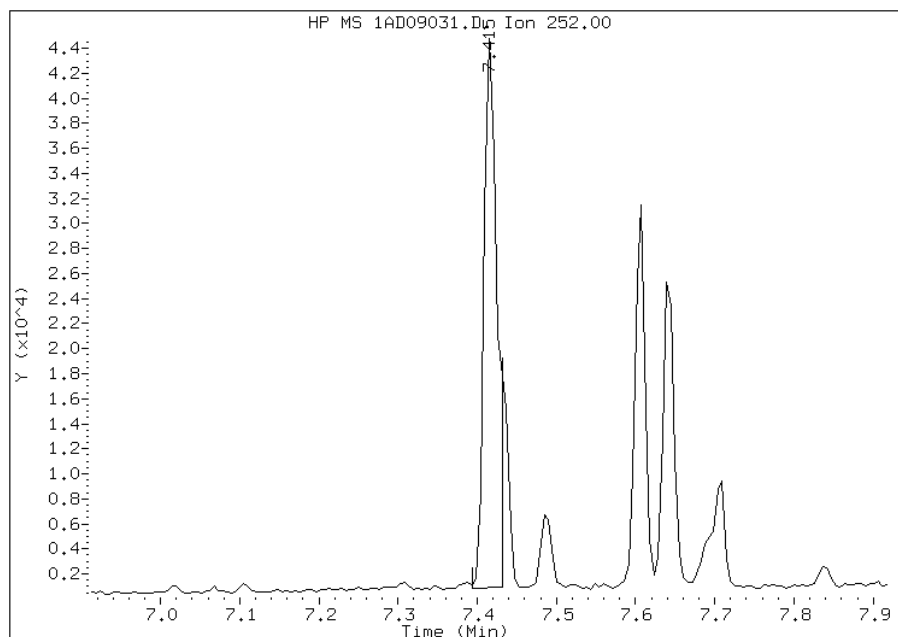
Processing Integration Results

RT: 7.42
Response: 55975
Amount: 1
Conc: 93



Manual Integration Results

RT: 7.42
Response: 49501
Amount: 1
Conc: 82



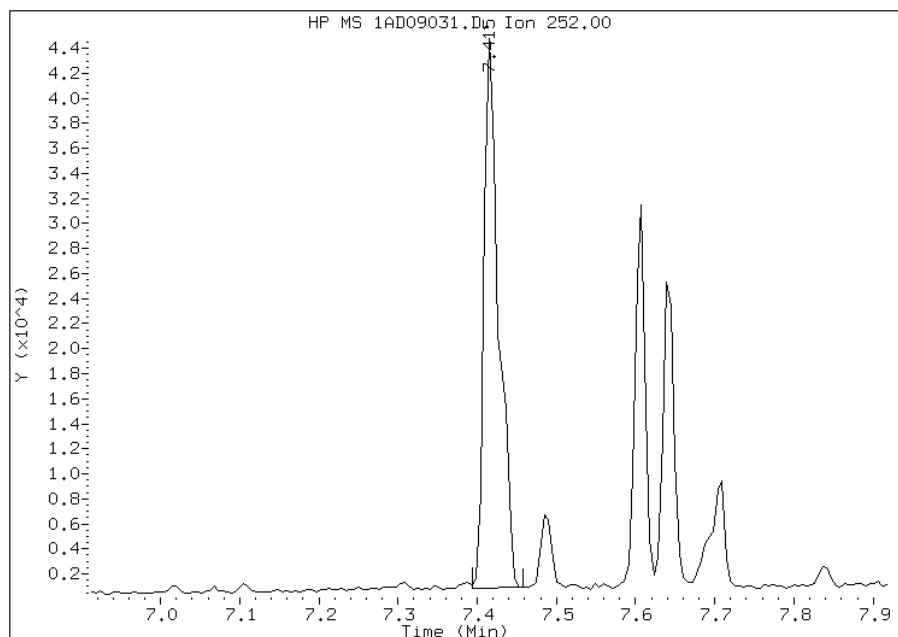
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:19
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09031.D
Inj. Date and Time: 09-APR-2013 20:49
Instrument ID: BSMA5973.i
Client ID: CV1126B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

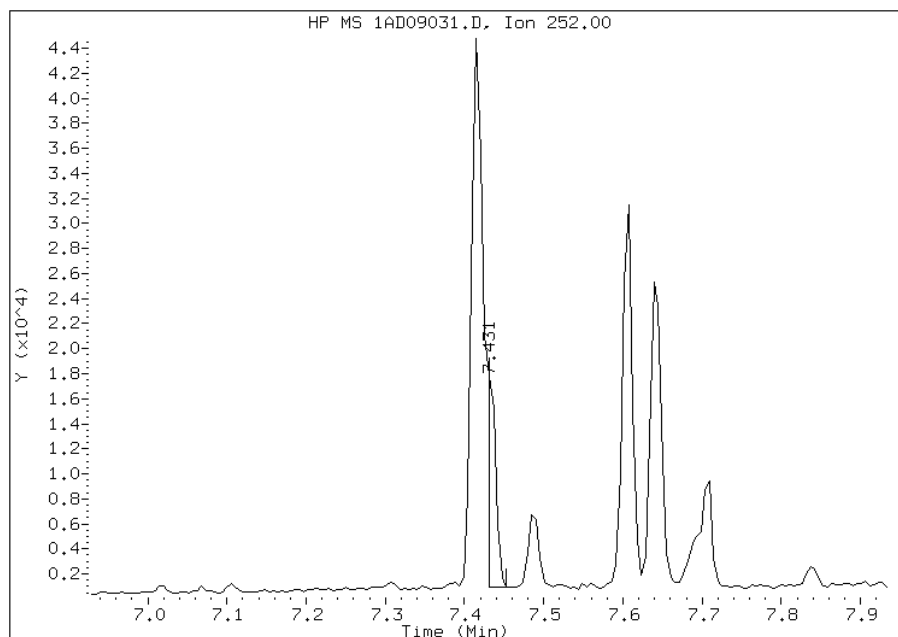
Processing Integration Results

RT: 7.42
Response: 55967
Amount: 1
Conc: 83



Manual Integration Results

RT: 7.43
Response: 11848
Amount: 0
Conc: 18



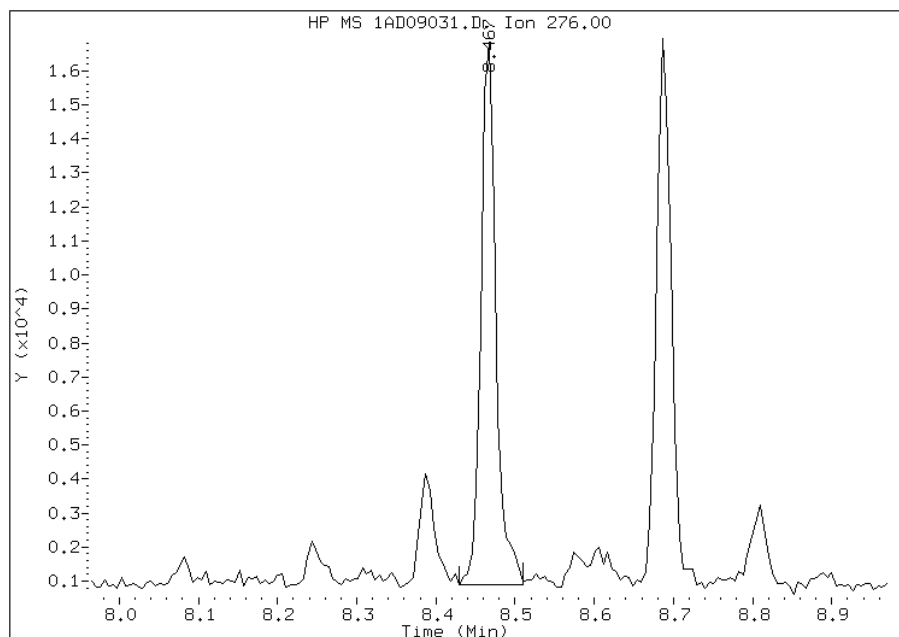
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09031.D
Inj. Date and Time: 09-APR-2013 20:49
Instrument ID: BSMA5973.i
Client ID: CV1126B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

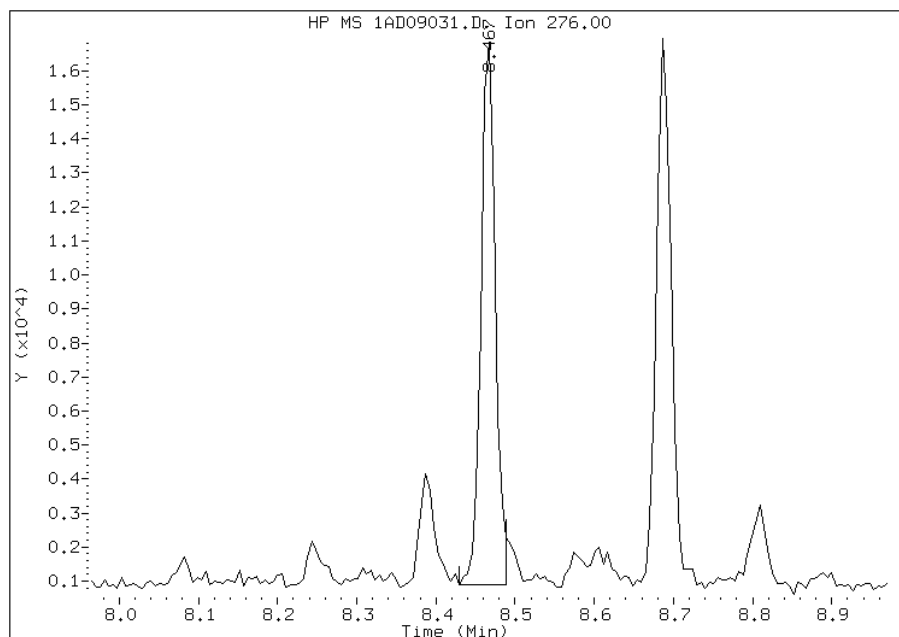
Processing Integration Results

RT: 8.47
Response: 20676
Amount: 1
Conc: 68



Manual Integration Results

RT: 8.47
Response: 19846
Amount: 1
Conc: 66



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:20
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1138A-CS Lab Sample ID: 680-88811-73
 Matrix: Solid Lab File ID: 1AD09032.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 12:55
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.01(g) Date Analyzed: 04/09/2013 21:04
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 12.7 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 110 | U | 110 | 23 |
| 208-96-8 | Acenaphthylene | 49 | | 46 | 5.7 |
| 120-12-7 | Anthracene | 59 | | 9.6 | 4.8 |
| 56-55-3 | Benzo[a]anthracene | 930 | | 9.2 | 4.5 |
| 50-32-8 | Benzo[a]pyrene | 1600 | | 12 | 6.0 |
| 205-99-2 | Benzo[b]fluoranthene | 2900 | | 14 | 7.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 1800 | | 23 | 5.0 |
| 207-08-9 | Benzo[k]fluoranthene | 780 | | 9.2 | 4.1 |
| 218-01-9 | Chrysene | 1200 | | 10 | 5.2 |
| 53-70-3 | Dibenz(a,h)anthracene | 720 | | 23 | 4.7 |
| 206-44-0 | Fluoranthene | 510 | | 23 | 4.6 |
| 86-73-7 | Fluorene | 23 | U | 23 | 4.7 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1600 | | 23 | 8.1 |
| 90-12-0 | 1-Methylnaphthalene | 50 | | 46 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | 52 | | 46 | 8.1 |
| 91-20-3 | Naphthalene | 53 | | 46 | 5.0 |
| 85-01-8 | Phenanthrene | 160 | | 9.2 | 4.5 |
| 129-00-0 | Pyrene | 570 | | 23 | 4.2 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 45 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09032.D
 Lab Smp Id: 680-88811-A-73-A Client Smp ID: CV1138A-CS
 Inj Date : 09-APR-2013 21:04
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-73-a
 Misc Info : 680-88811-A-73-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 32
 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 | 15.010 | Weight Extracted |
| M | 12.747 | % 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/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.594 | 2.591 | (1.000) | 1693836 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.625 | 3.622 | (1.000) | 880979 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.581 | 4.573 | (1.000) | 1301786 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.885 | 4.877 | (1.066) | 128318 | 4.53729 | 346.4455 |
| * 18 Chrysene-d12 | 240 | 6.610 | 6.597 | (1.000) | 1309562 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.700 | 7.676 | (1.000) | 1619830 | 40.0000 | |
| 2 Naphthalene | 128 | 2.605 | 2.602 | (1.004) | 28506 | 0.69371 | 52.9684 |
| 3 2-Methylnaphthalene | 141 | 3.010 | 3.008 | (1.161) | 19936 | 0.68531 | 52.3267 |
| 4 1-Methylnaphthalene | 142 | 3.069 | 3.062 | (1.183) | 18928 | 0.65134 | 49.7330 |
| 5 Acenaphthylene | 152 | 3.539 | 3.532 | (0.976) | 15501 | 0.63834 | 48.7402 |
| 11 Phenanthrene | 178 | 4.597 | 4.589 | (1.003) | 110454 | 2.13814 | 163.2577 |
| 12 Anthracene | 178 | 4.629 | 4.626 | (1.010) | 29595 | 0.76826 | 58.6602 |
| 13 Carbazole | 167 | 4.762 | 4.755 | (1.040) | 15425 | 0.36803 | 28.1008 |
| 15 Fluoranthene | 202 | 5.467 | 5.454 | (1.194) | 363449 | 6.74328 | 514.8835 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 16 Pyrene | 202 | 5.633 | 5.620 | (0.852) | 374384 | 7.41898 | 566.4768 |
| 17 Benzo(a)anthracene | 228 | 6.600 | 6.581 | (0.998) | 530940 | 12.1544 | 928.0496 |
| 19 Chrysene | 228 | 6.626 | 6.613 | (1.002) | 682323 | 15.3152 | 1169.3958 |
| 20 Benzo(b)fluoranthene | 252 | 7.433 | 7.404 | (0.965) | 1862489 | 37.9201 | 2895.3967(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.444 | 7.425 | (0.967) | 555632 | 10.1856 | 777.7213(QM) |
| 22 Benzo(a)pyrene | 252 | 7.652 | 7.628 | (0.994) | 1005750 | 21.2166 | 1619.9971 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.490 | 8.451 | (1.103) | 964733 | 21.0267 | 1605.4972(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.506 | 8.477 | (1.105) | 387183 | 9.45464 | 721.9096 |
| 26 Benzo(g,h,i)perylene | 276 | 8.720 | 8.670 | (1.132) | 1019560 | 23.1096 | 1764.5361 |

QC Flag Legend

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

Data File: 1AD09032.D

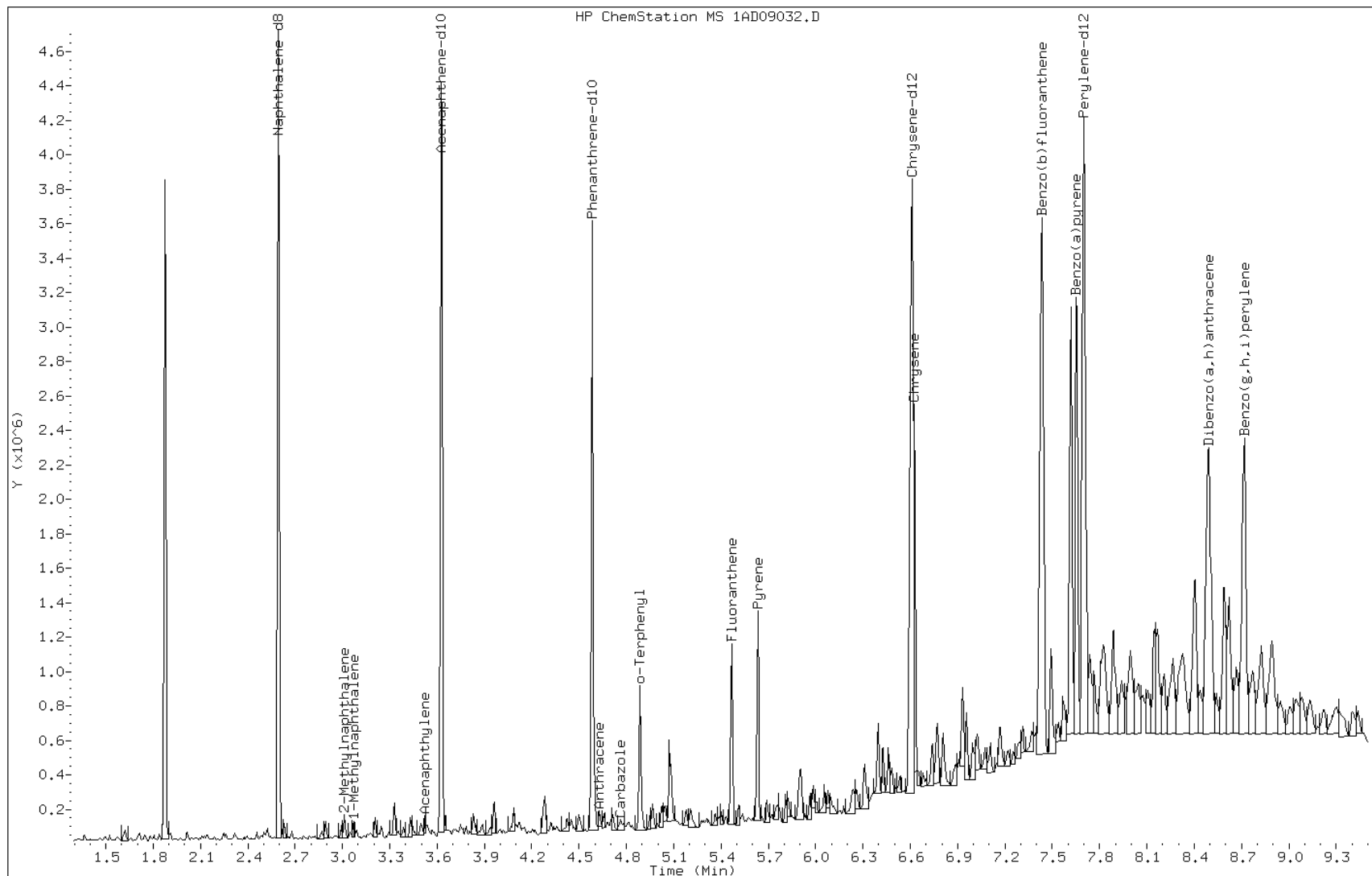
Date: 09-APR-2013 21:04

Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

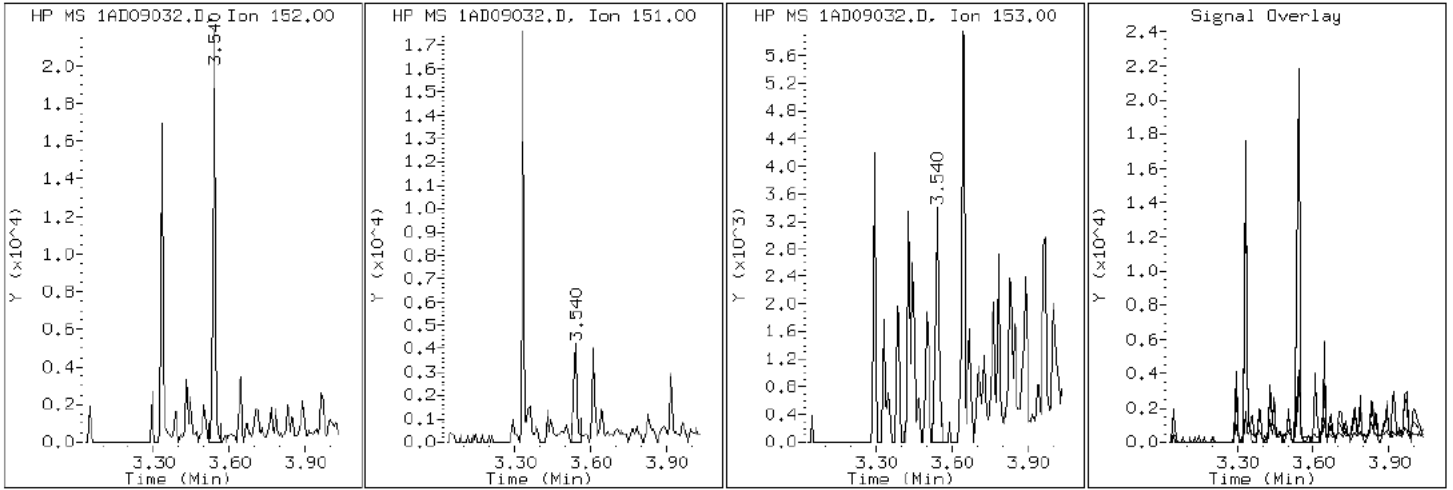
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

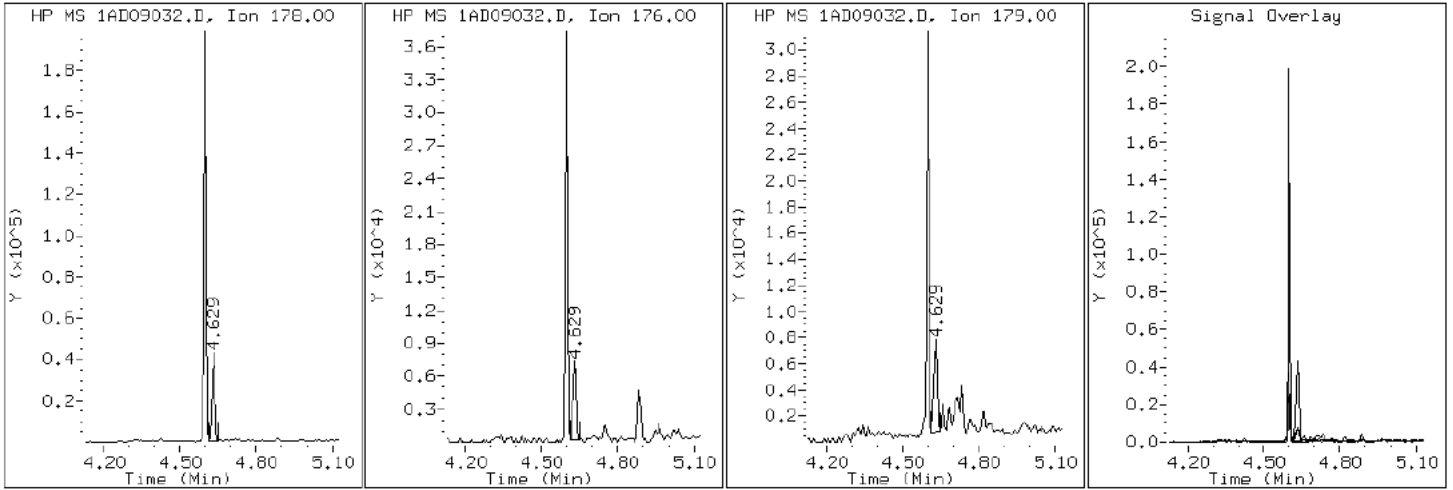
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

12 Anthracene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

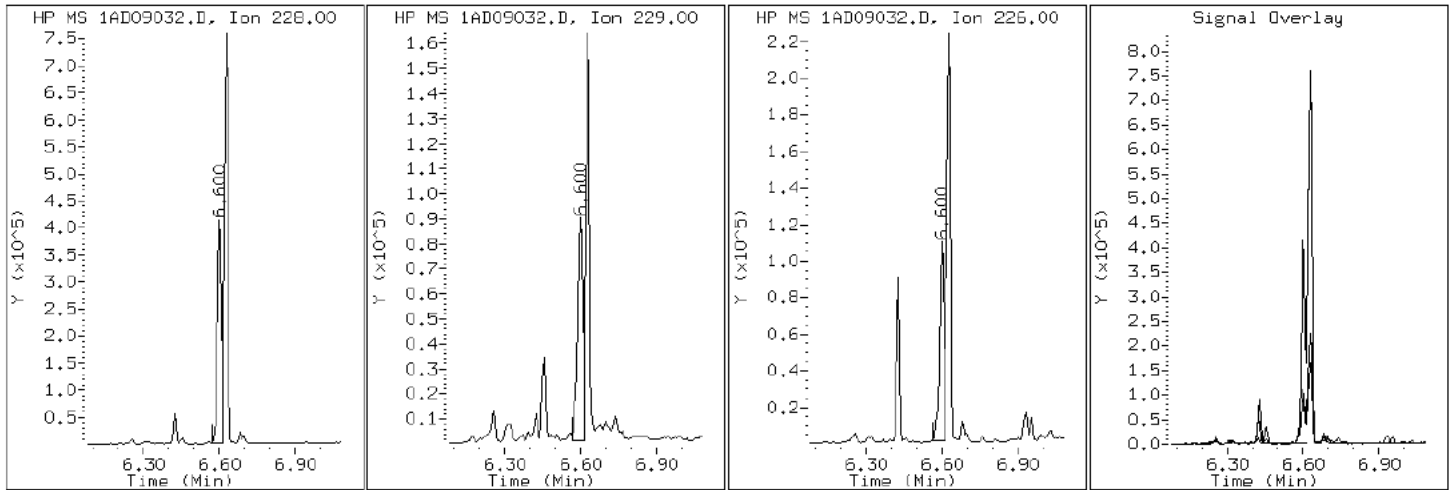
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

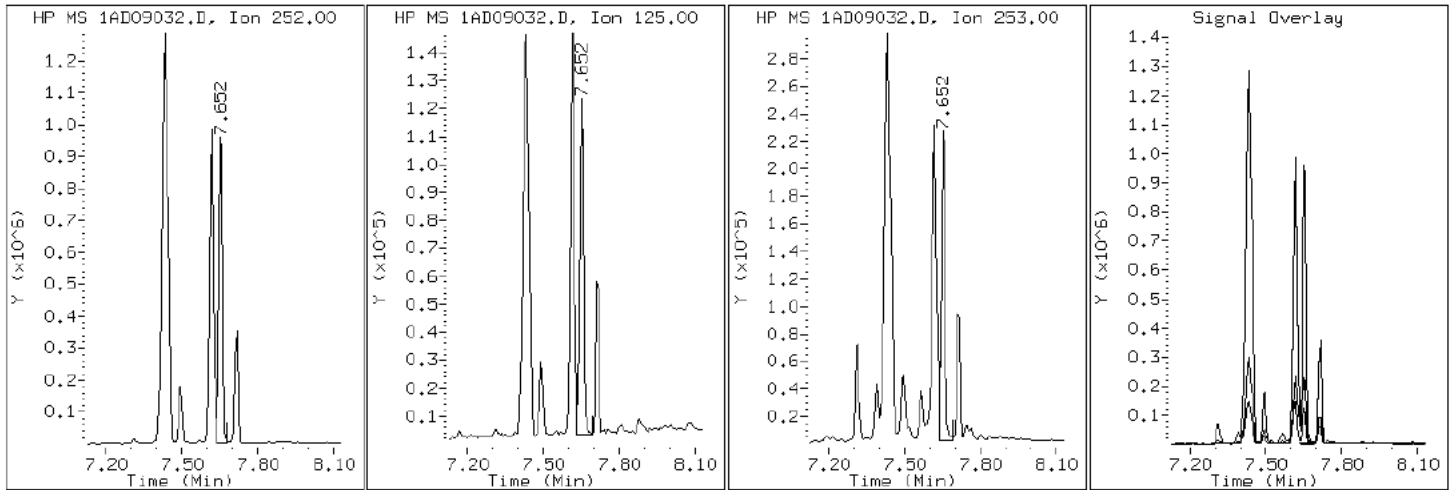
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

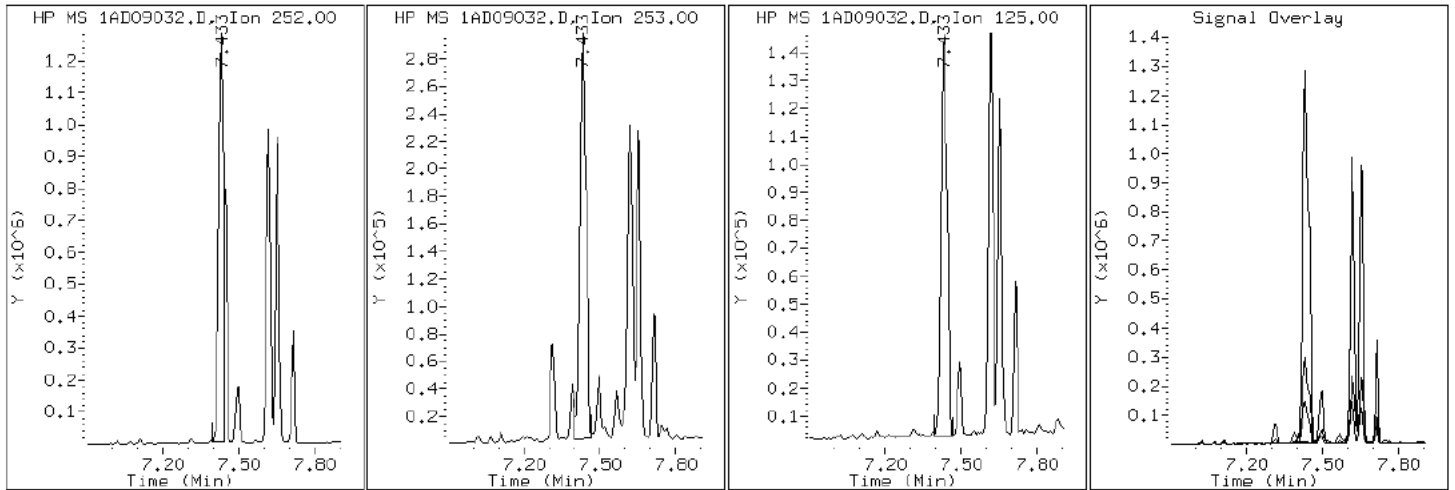
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

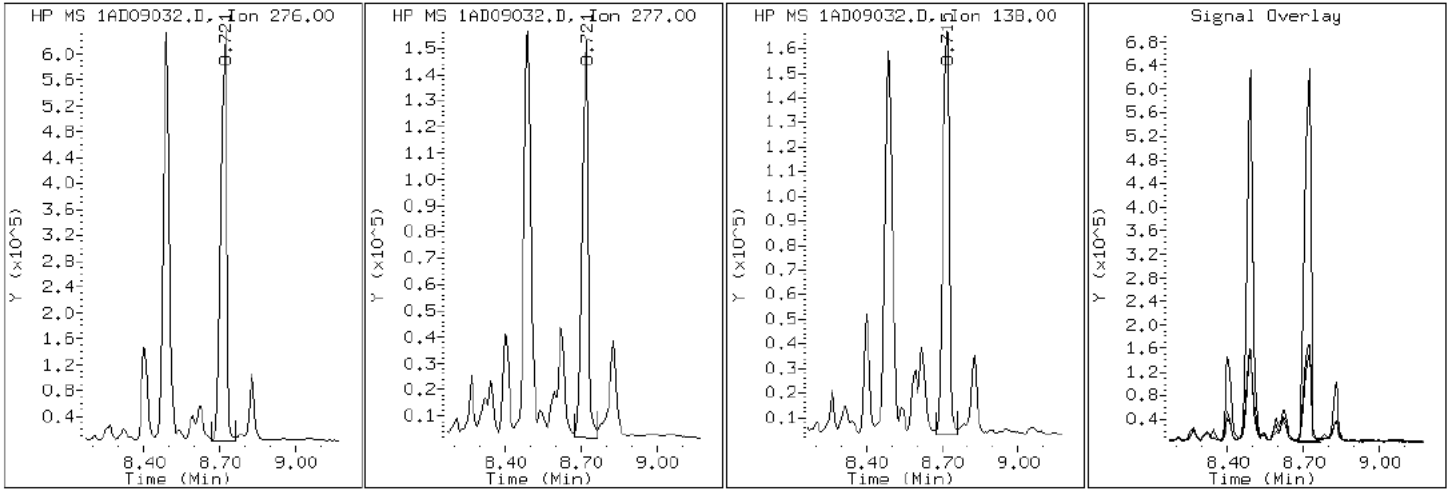
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

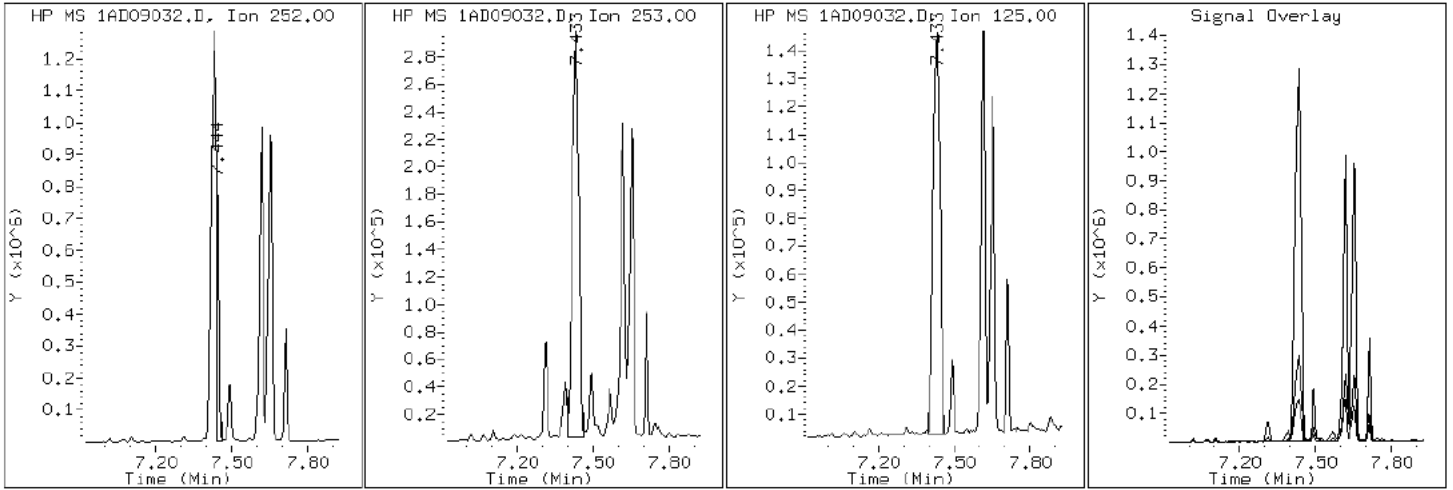
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

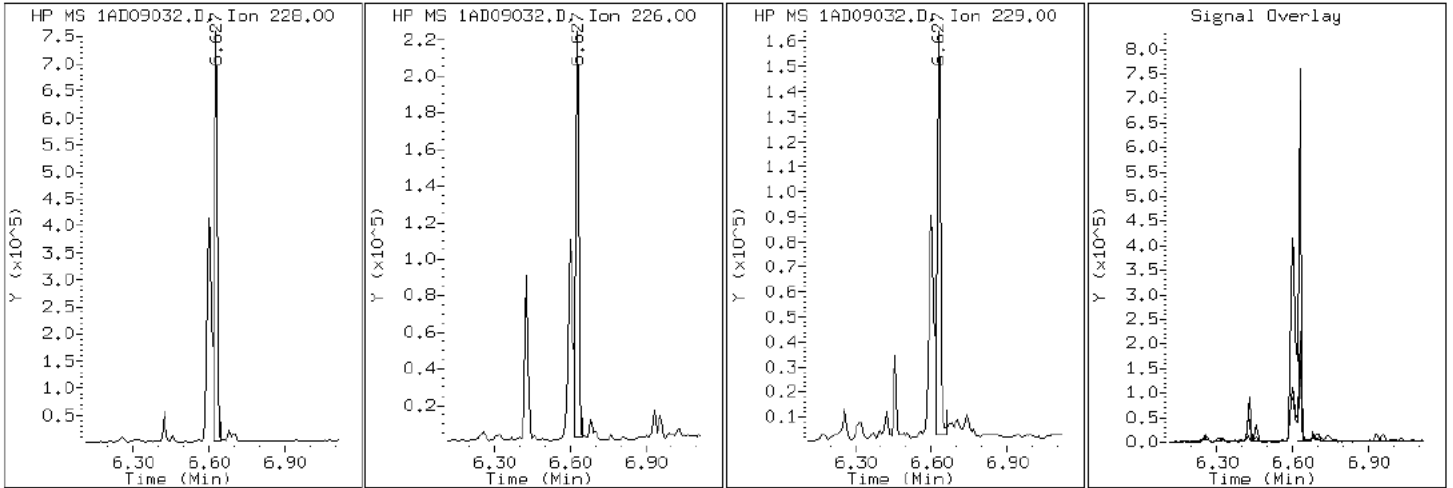
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

19 Chrysene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

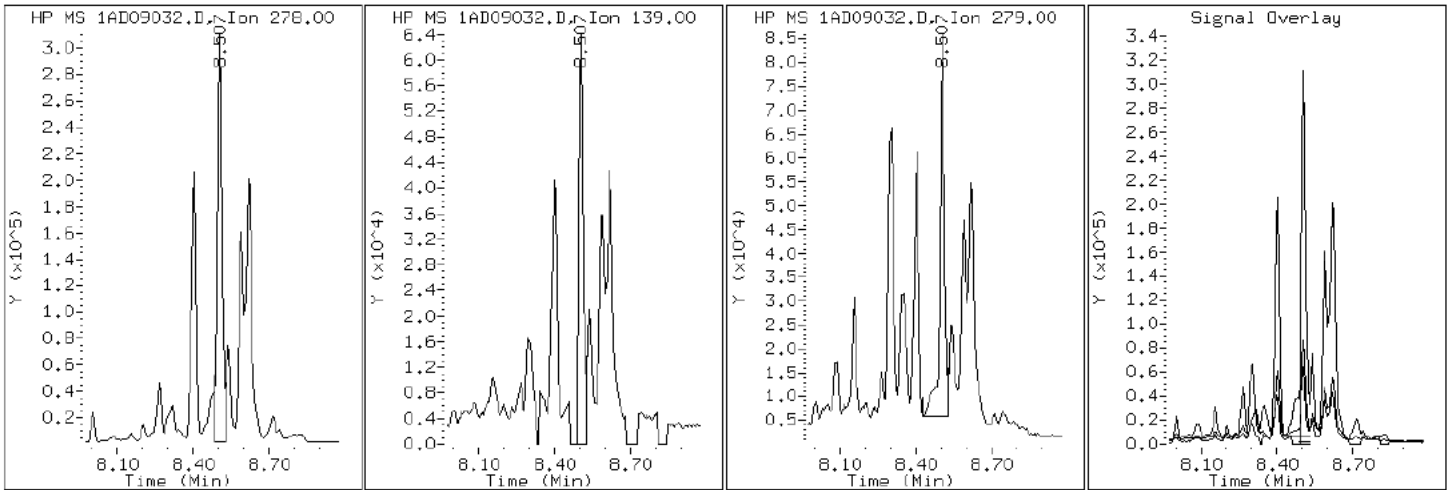
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

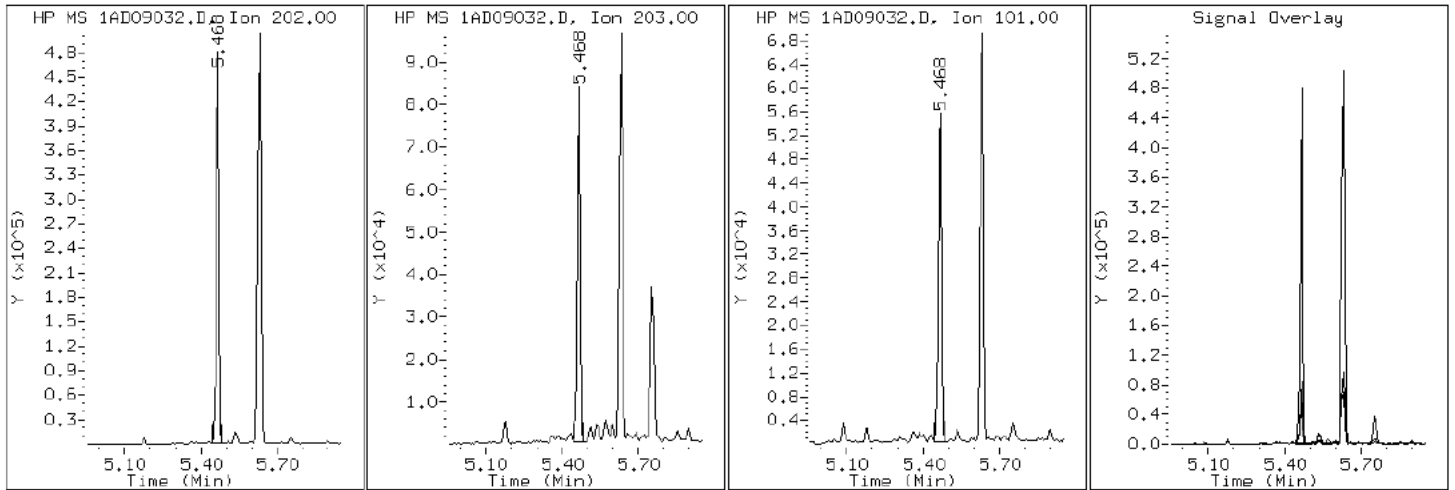
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

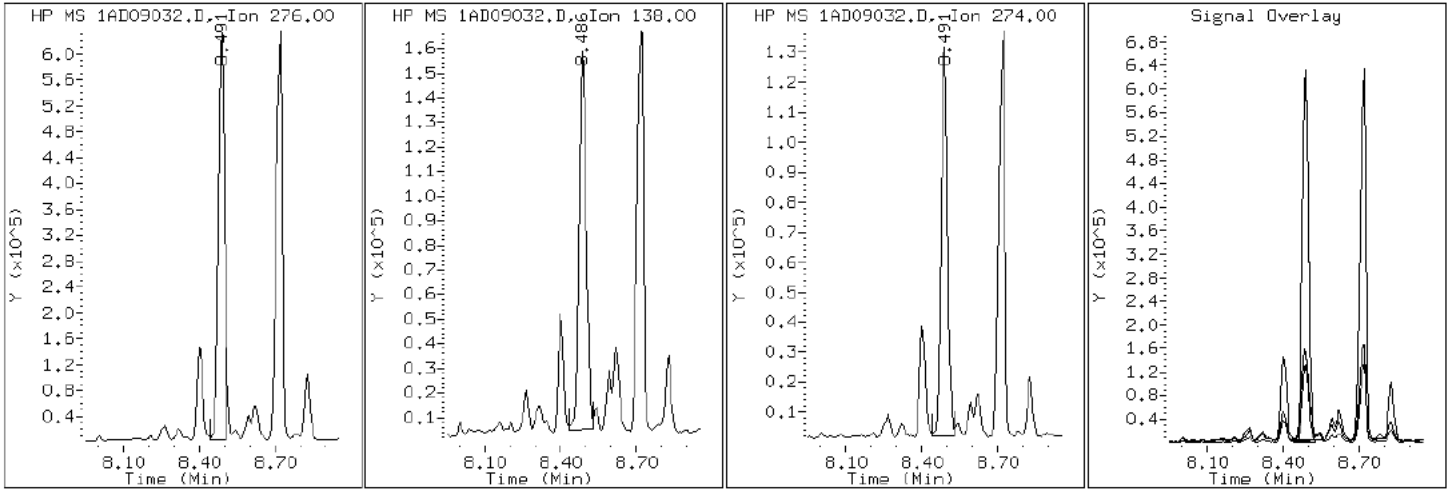
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

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



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

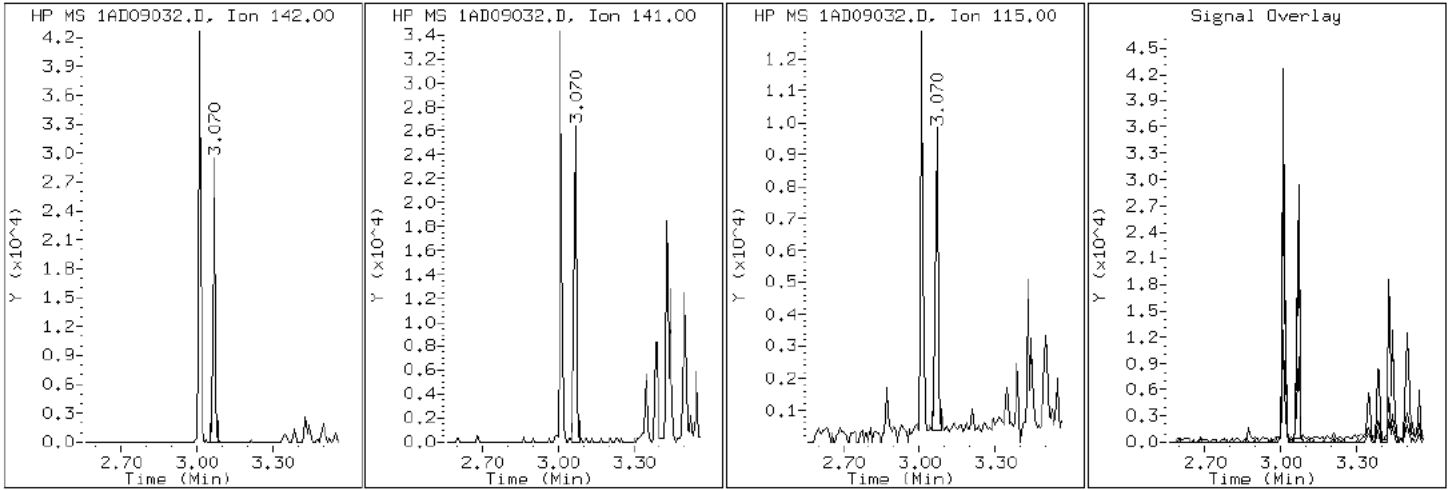
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

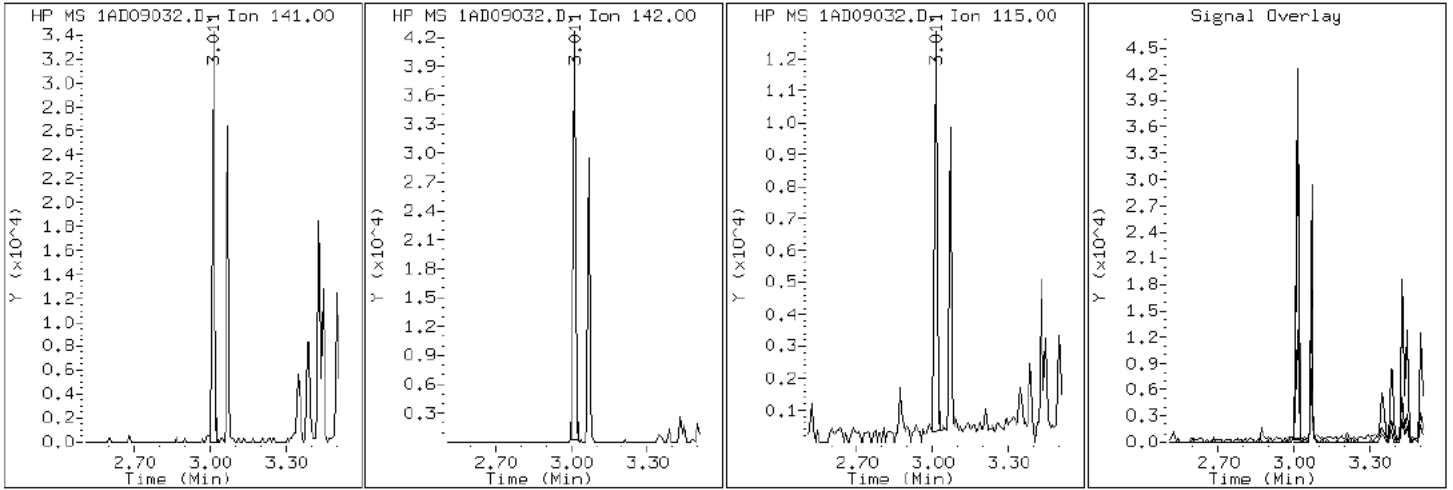
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

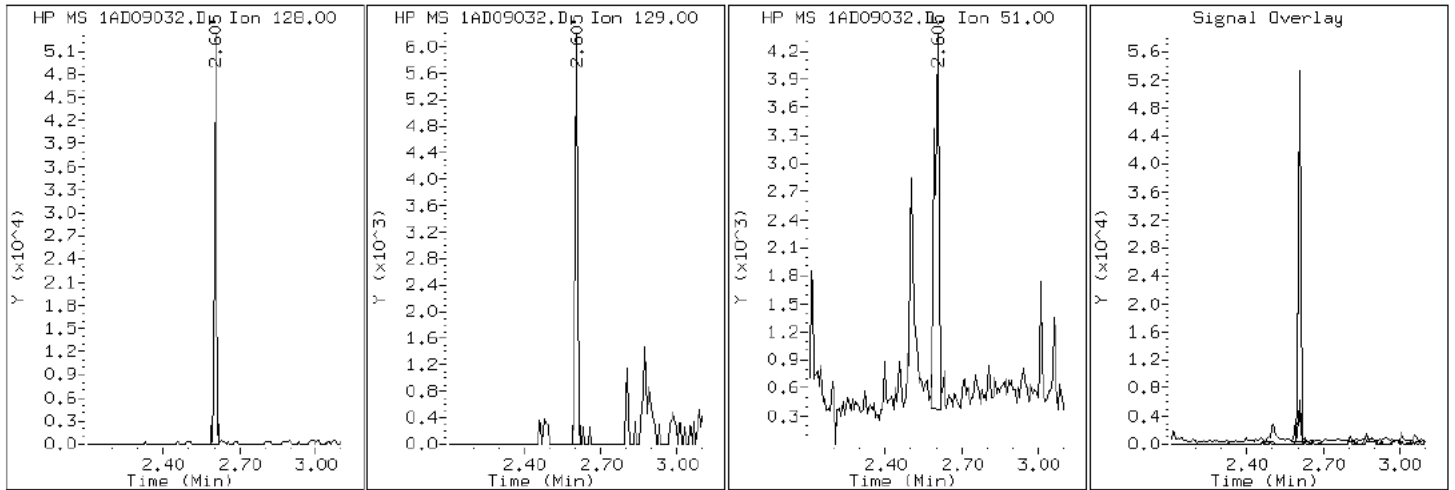
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

2 Naphthalene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

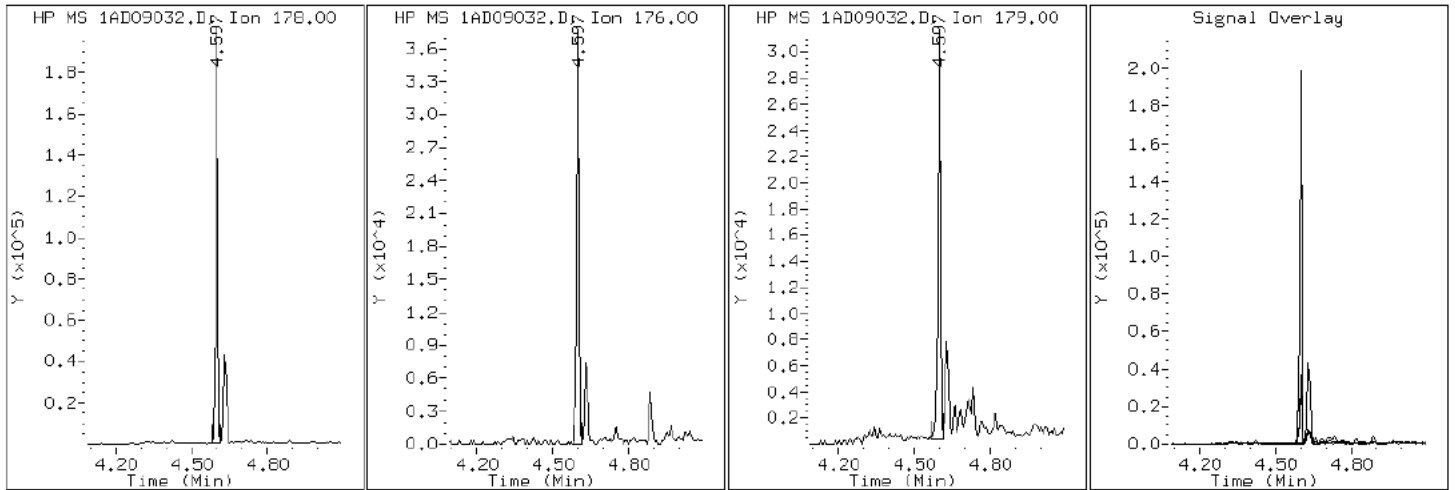
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09032.D

Date: 09-APR-2013 21:04

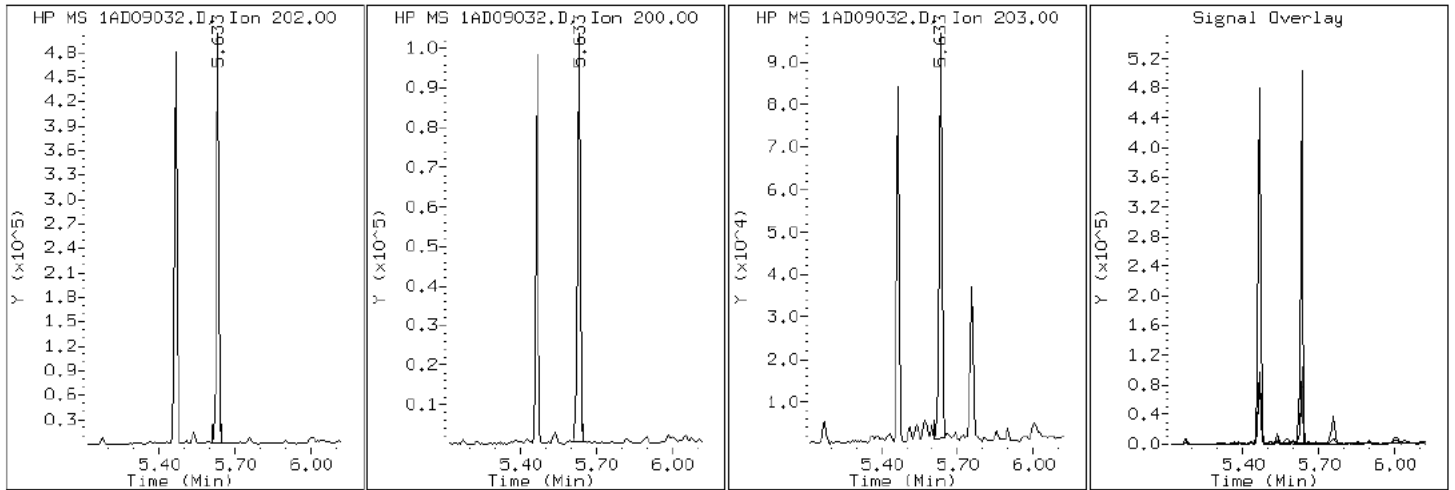
Client ID: CV1138A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-73-a

Operator: SCC

16 Pyrene

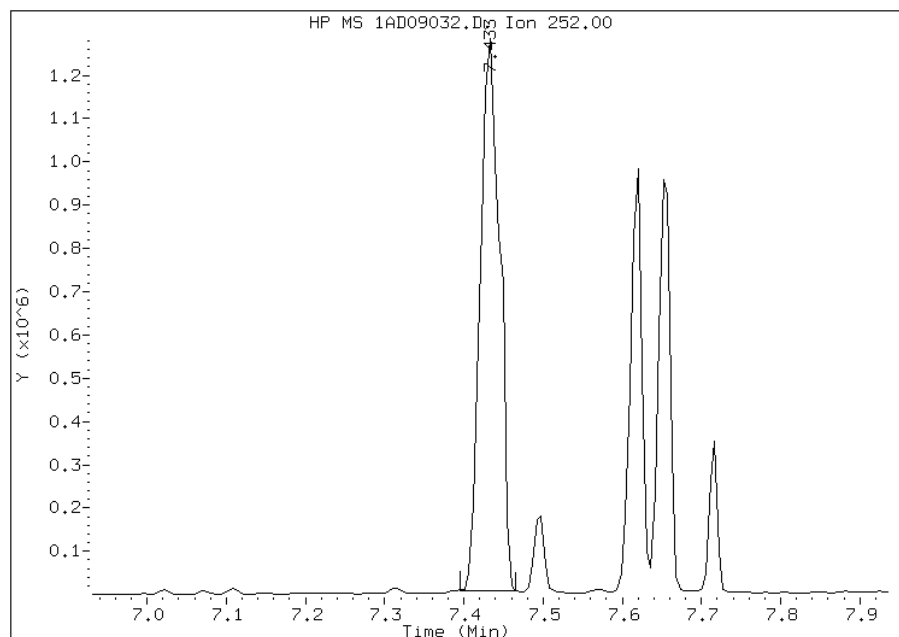


Manual Integration Report

Data File: 1AD09032.D
Inj. Date and Time: 09-APR-2013 21:04
Instrument ID: BSMA5973.i
Client ID: CV1138A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

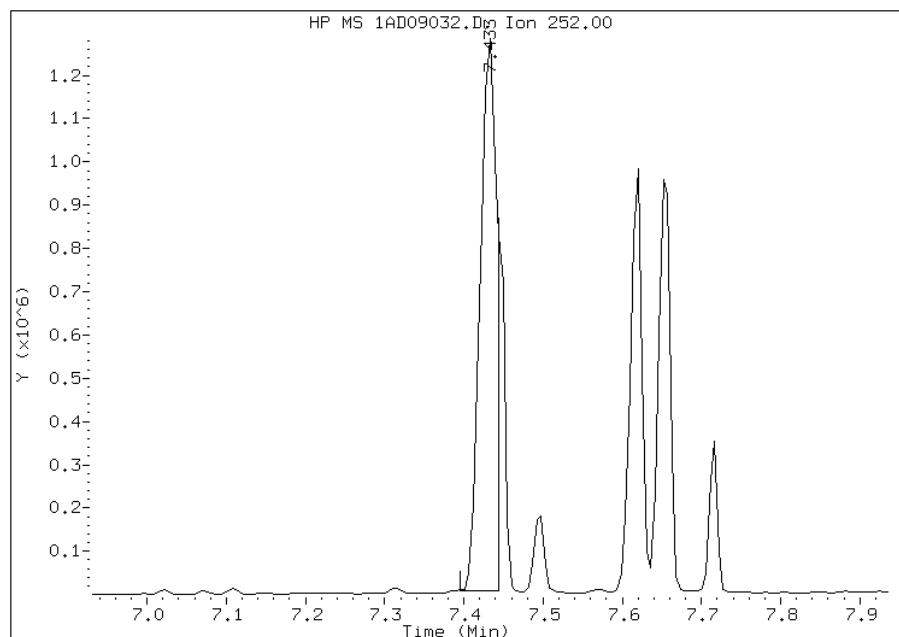
Processing Integration Results

RT: 7.43
Response: 2145710
Amount: 44
Conc: 3336



Manual Integration Results

RT: 7.43
Response: 1862489
Amount: 38
Conc: 2895



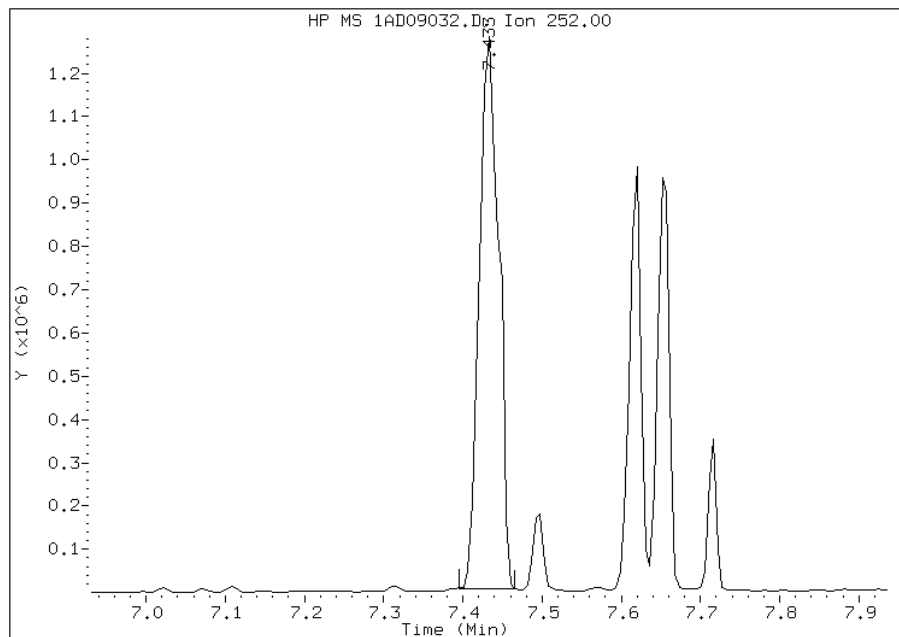
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:20
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09032.D
Inj. Date and Time: 09-APR-2013 21:04
Instrument ID: BSMA5973.i
Client ID: CV1138A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

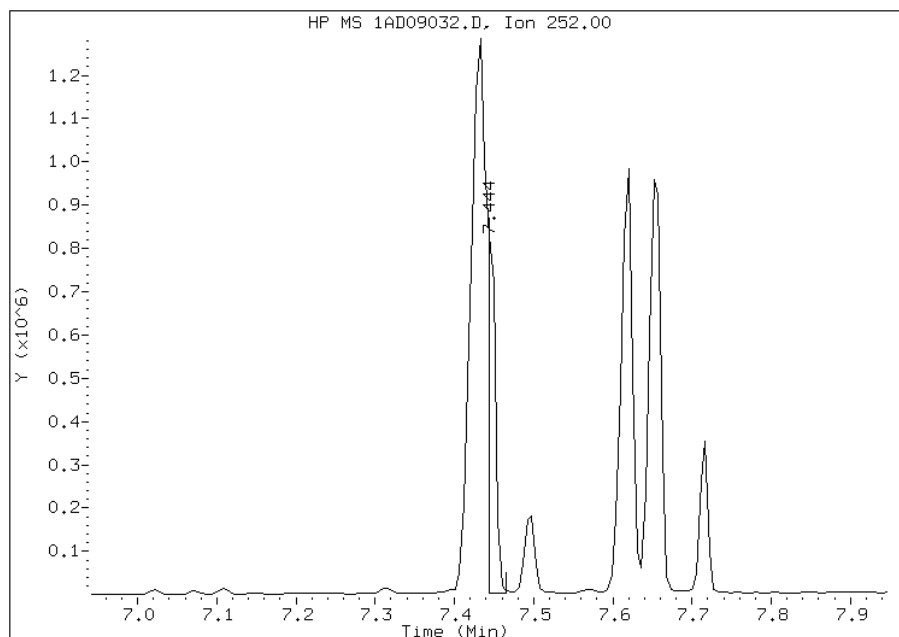
Processing Integration Results

RT: 7.43
Response: 2145710
Amount: 39
Conc: 3003



Manual Integration Results

RT: 7.44
Response: 555632
Amount: 10
Conc: 778



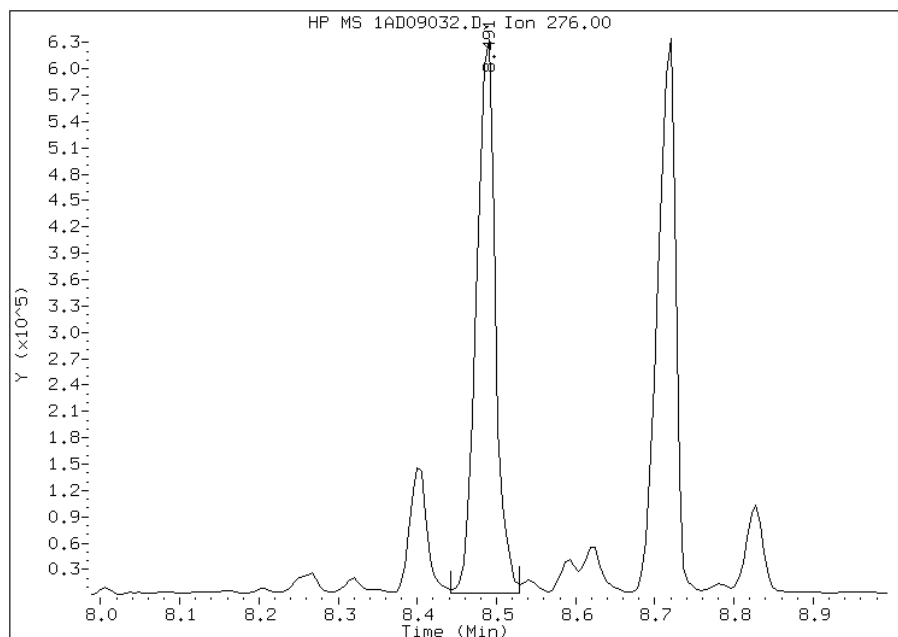
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:20
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09032.D
Inj. Date and Time: 09-APR-2013 21:04
Instrument ID: BSMA5973.i
Client ID: CV1138A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

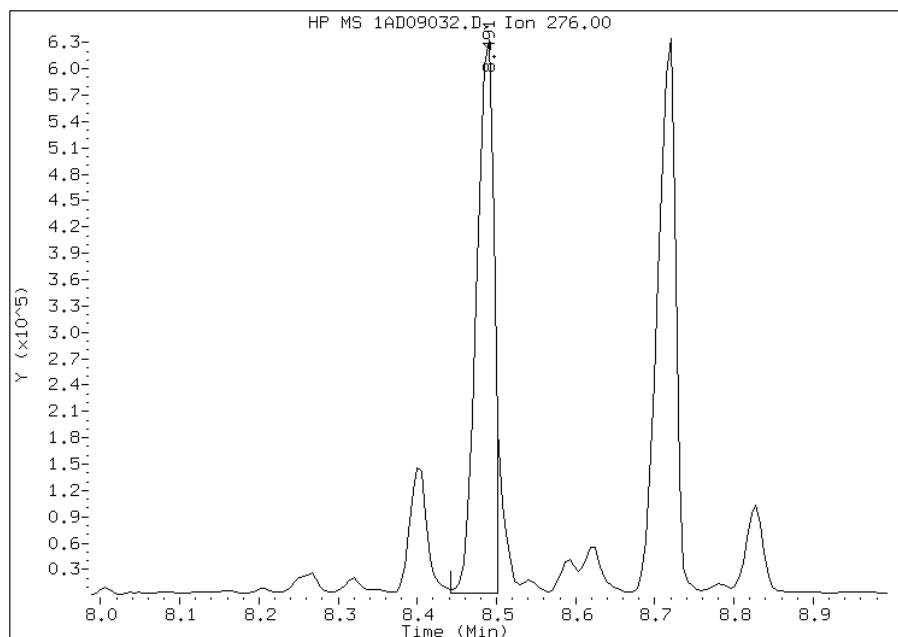
Processing Integration Results

RT: 8.49
Response: 1036987
Amount: 23
Conc: 1723



Manual Integration Results

RT: 8.49
Response: 964733
Amount: 21
Conc: 1605



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:21
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1138B-CS Lab Sample ID: 680-88811-74
 Matrix: Solid Lab File ID: 1AD09033.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:05
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.26(g) Date Analyzed: 04/09/2013 21:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 16.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 470 | U | 470 | 94 |
| 208-96-8 | Acenaphthylene | 190 | U | 190 | 23 |
| 120-12-7 | Anthracene | 160 | | 39 | 20 |
| 56-55-3 | Benzo[a]anthracene | 1100 | | 37 | 18 |
| 50-32-8 | Benzo[a]pyrene | 1800 | | 49 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 3400 | | 57 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 2000 | | 94 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 1400 | | 37 | 17 |
| 218-01-9 | Chrysene | 1600 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 790 | | 94 | 19 |
| 206-44-0 | Fluoranthene | 740 | | 94 | 19 |
| 86-73-7 | Fluorene | 94 | U | 94 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1900 | | 94 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 170 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 160 | J | 190 | 33 |
| 91-20-3 | Naphthalene | 170 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 340 | | 37 | 18 |
| 129-00-0 | Pyrene | 840 | | 94 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 69 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09033.D
 Lab Smp Id: 680-88811-A-74-A Client Smp ID: CV1138B-CS
 Inj Date : 09-APR-2013 21:19
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-74-a
 Misc Info : 680-88811-A-74-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 33
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.260 | Weight Extracted |
| M | 15.957 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.596 | 2.591 | (1.000) | 1632069 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | 3.627 | 3.622 | (1.000) | 871655 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | 4.583 | 4.573 | (1.000) | 1319735 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | 4.887 | 4.877 | (1.066) | 50589 | 1.71468 | 534.7984 | |
| * 18 Chrysene-d12 | 240 | 6.607 | 6.597 | (1.000) | 1346844 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | 7.697 | 7.676 | (1.000) | 1601699 | 40.0000 | | |
| 2 Naphthalene | 128 | 2.607 | 2.602 | (1.004) | 16442 | 0.54213 | 169.0860 | |
| 3 2-Methylnaphthalene | 141 | 3.013 | 3.008 | (1.160) | 12644 | 0.52123 | 162.5694 | |
| 4 1-Methylnaphthalene | 142 | 3.066 | 3.062 | (1.181) | 12905 | 0.54450 | 169.8259 | |
| 11 Phenanthrene | 178 | 4.599 | 4.589 | (1.003) | 49996 | 1.08221 | 337.5332 | |
| 12 Anthracene | 178 | 4.631 | 4.626 | (1.010) | 11525 | 0.49996 | 155.9348 | |
| 13 Carbazole | 167 | 4.759 | 4.755 | (1.038) | 7389 | 0.20954 | 65.3543 | |
| 15 Fluoranthene | 202 | 5.464 | 5.454 | (1.192) | 137517 | 2.37977 | 742.2331 | |
| 16 Pyrene | 202 | 5.630 | 5.620 | (0.852) | 139701 | 2.69175 | 839.5398 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | | |
|---------------------------|-----------|--|----------------|--------|---------|----------|----------------------|------------------|
| | MASS | | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | | 6.596 | 6.581 | (0.998) | 162548 | 3.61808 | 1128.4552 |
| 19 Chrysene | 228 | | 6.623 | 6.613 | (1.002) | 228690 | 4.99102 | 1556.6667 |
| 20 Benzo(b)fluoranthene | 252 | | 7.419 | 7.404 | (0.964) | 533747 | 10.9901 | 3427.7294(M) |
| 21 Benzo(k)fluoranthene | 252 | | 7.430 | 7.425 | (0.965) | 245275 | 4.54716 | 1418.2303(QM) |
| 22 Benzo(a)pyrene | 252 | | 7.643 | 7.628 | (0.993) | 306871 | 5.90831 | 1842.7629 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 8.471 | 8.451 | (1.101) | 267811 | 6.19095 | 1930.9151(M) |
| 25 Dibenzo(a,h)anthracene | 278 | | 8.492 | 8.477 | (1.103) | 102360 | 2.52783 | 788.4126 |
| 26 Benzo(g,h,i)perylene | 276 | | 8.690 | 8.670 | (1.129) | 284219 | 6.51510 | 2032.0182 |

QC Flag Legend

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

Data File: 1AD09033.D

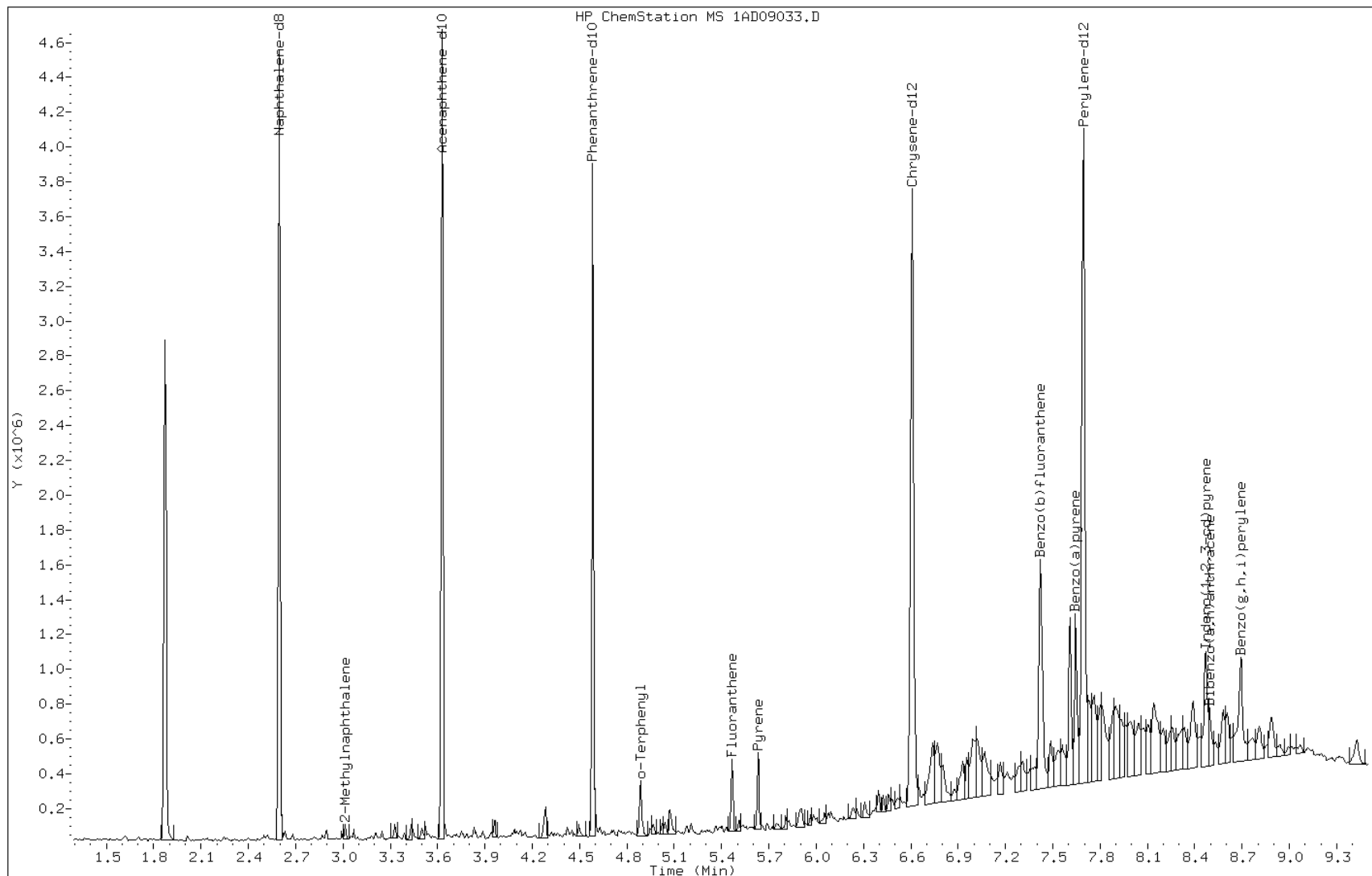
Date: 09-APR-2013 21:19

Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

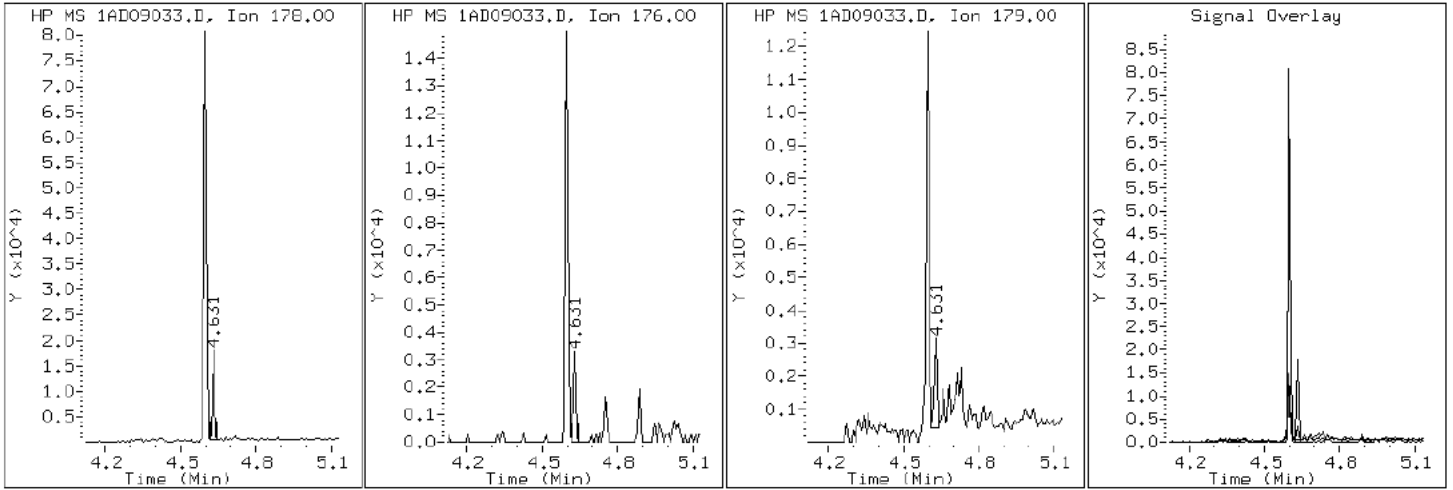
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

12 Anthracene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

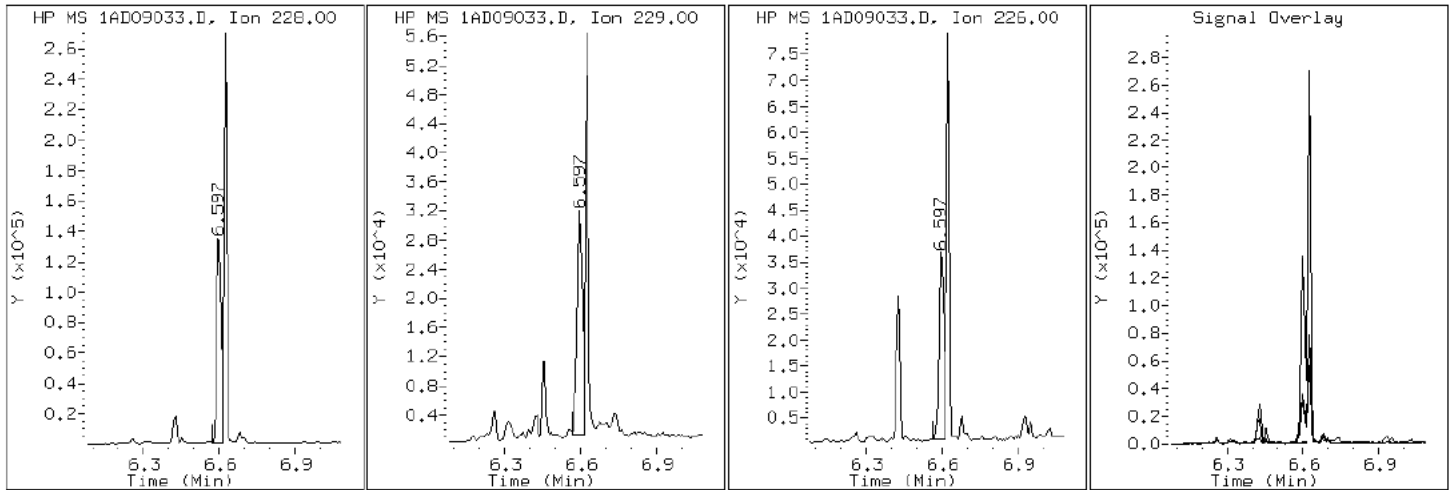
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

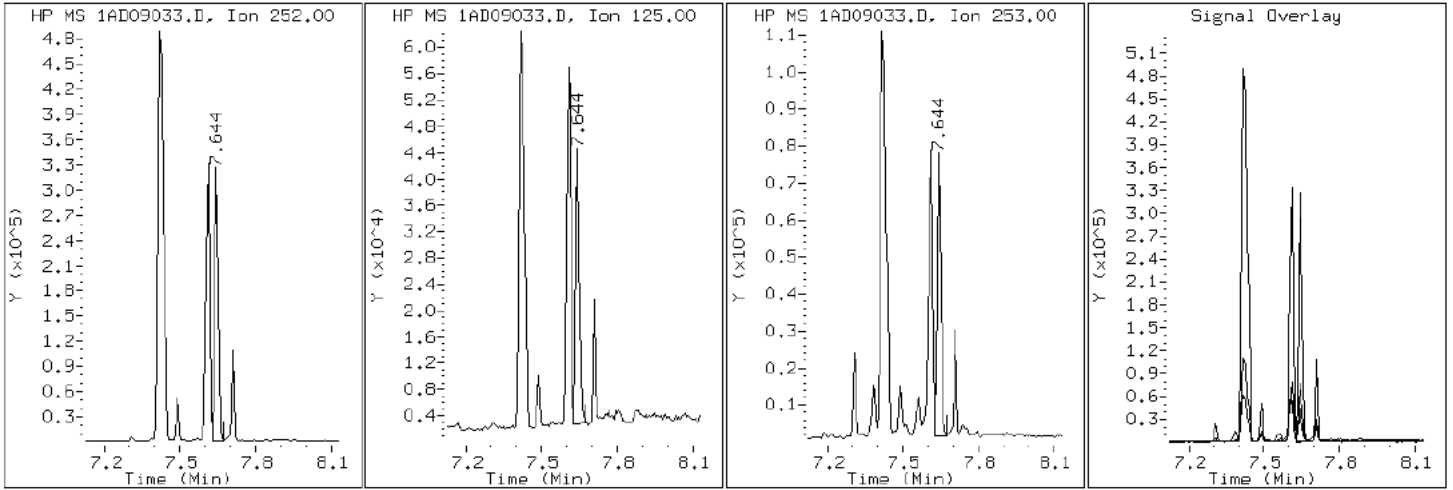
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

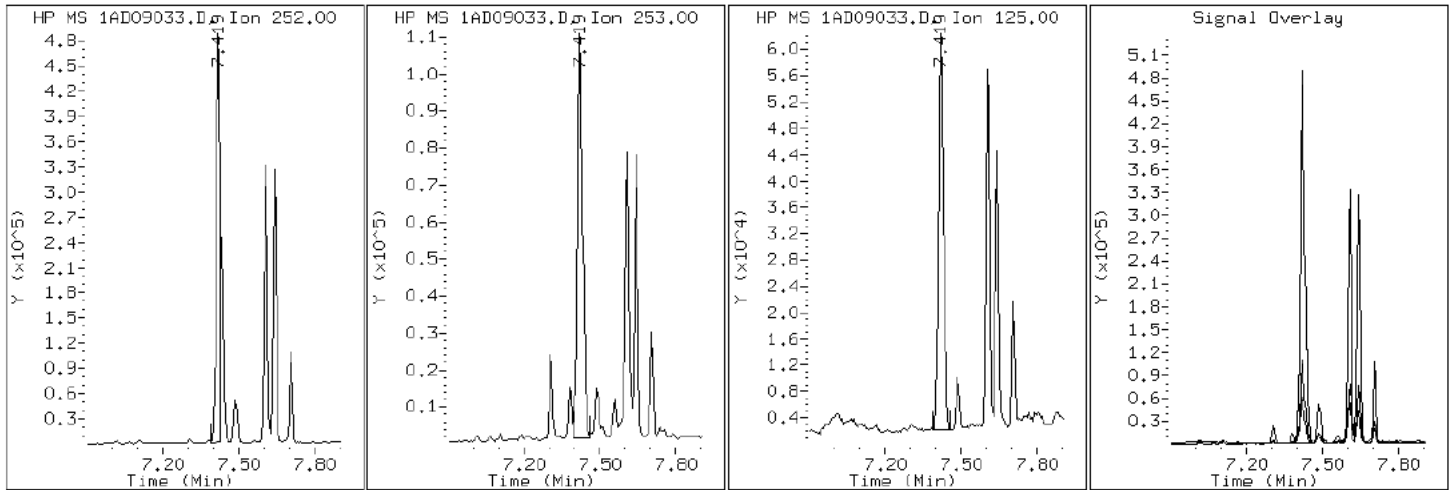
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

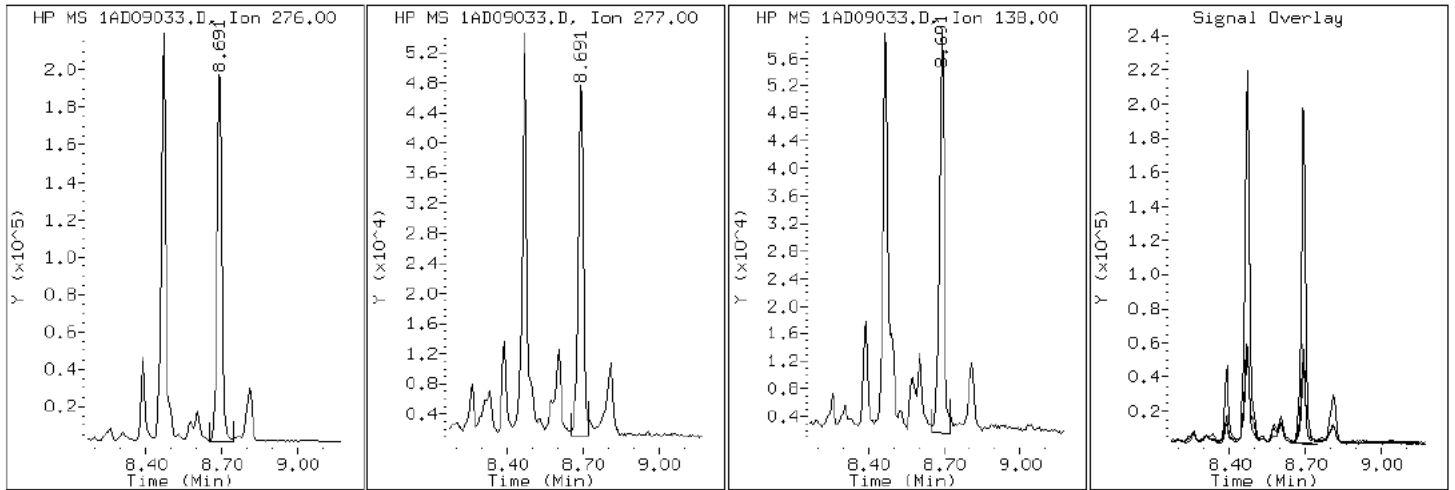
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

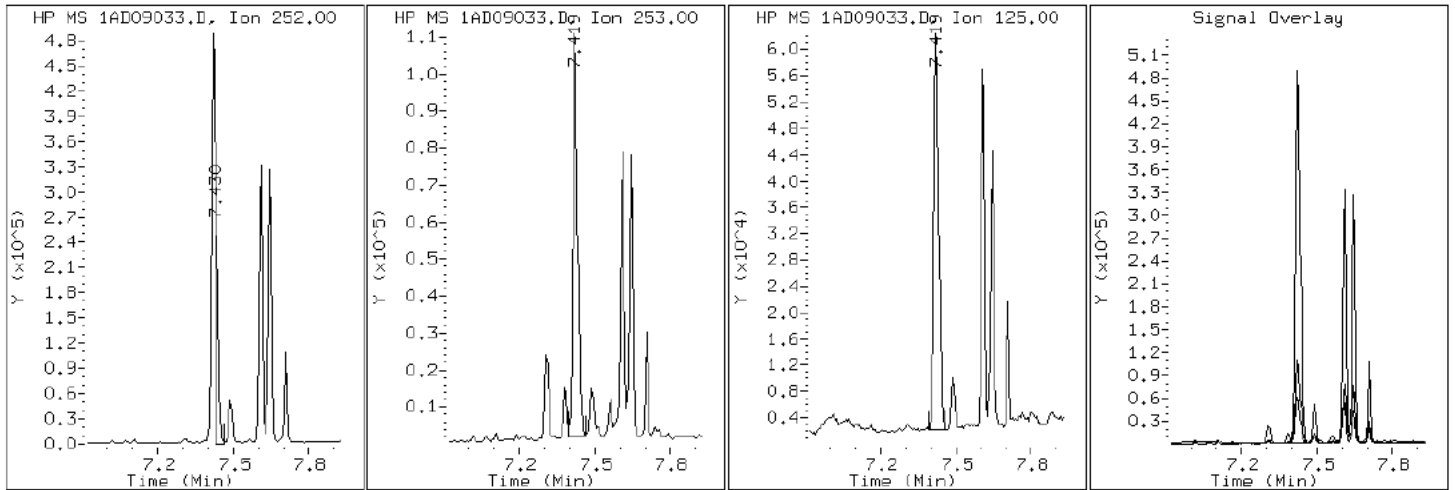
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

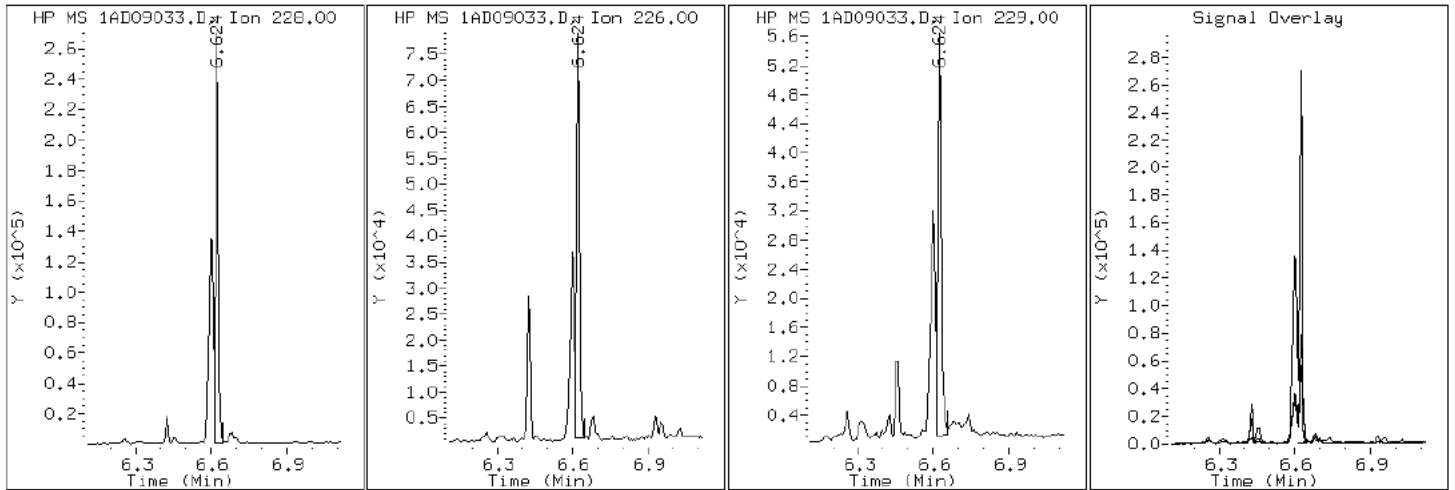
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

19 Chrysene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

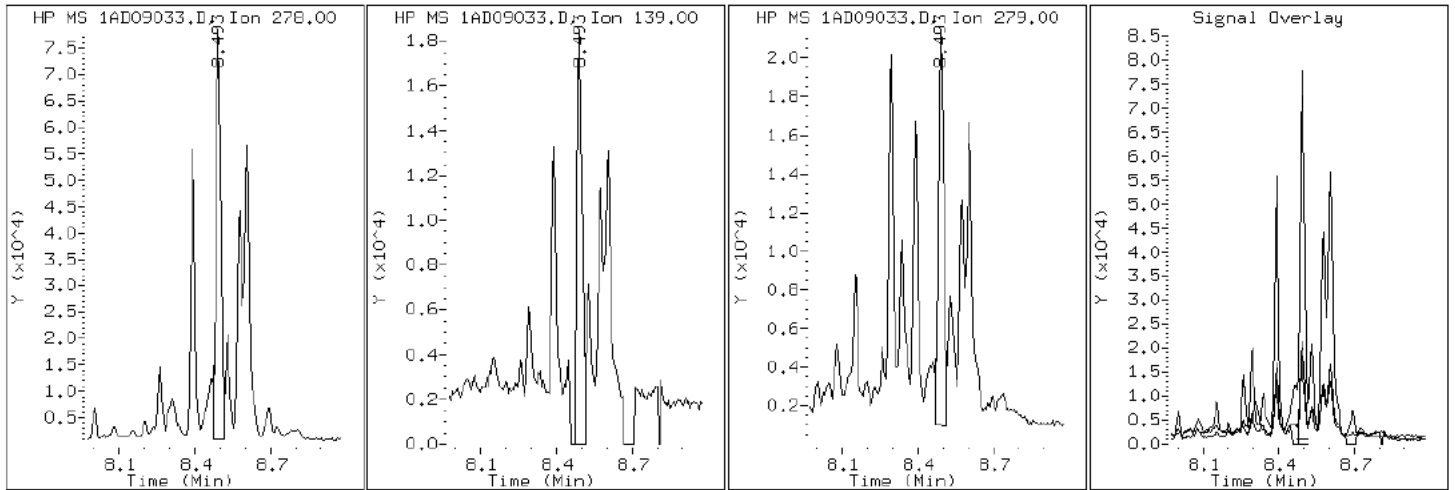
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

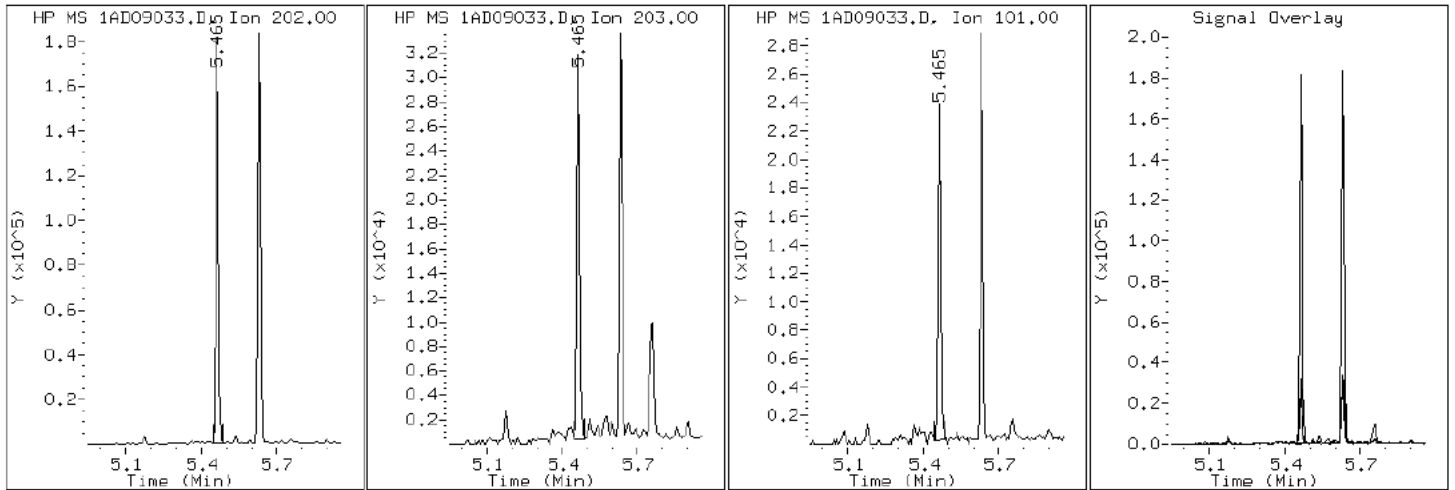
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

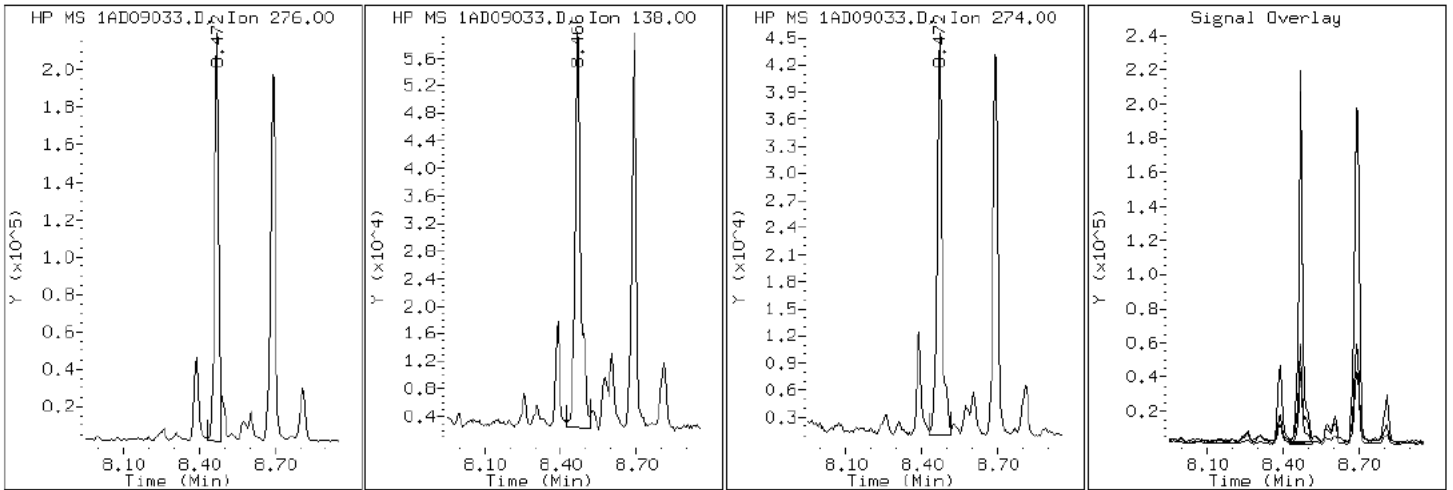
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

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



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

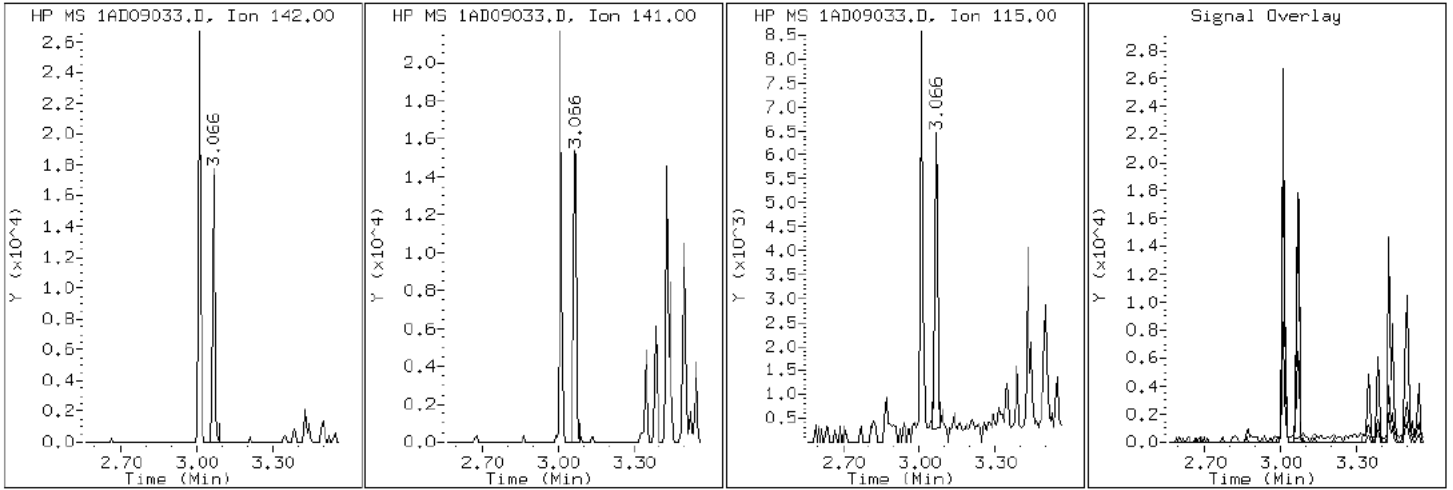
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

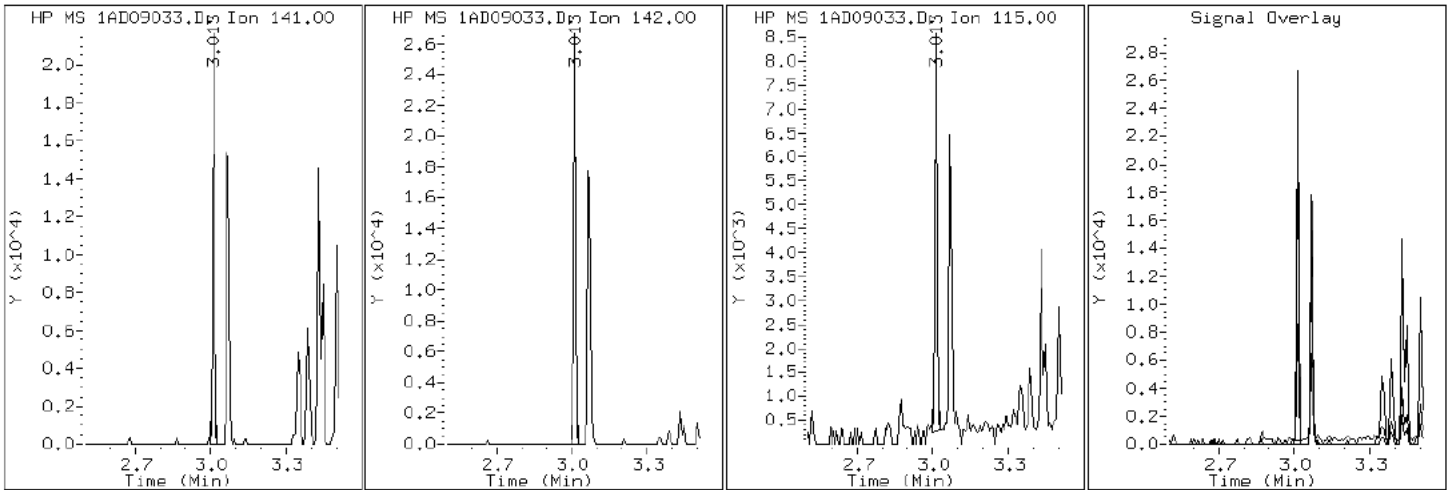
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

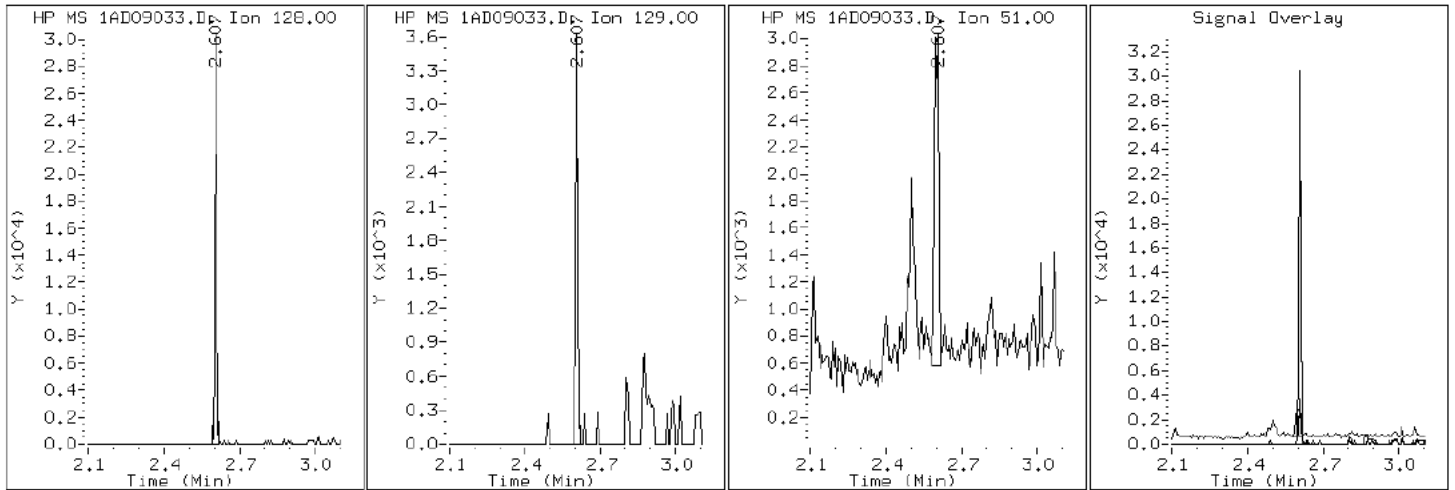
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

2 Naphthalene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

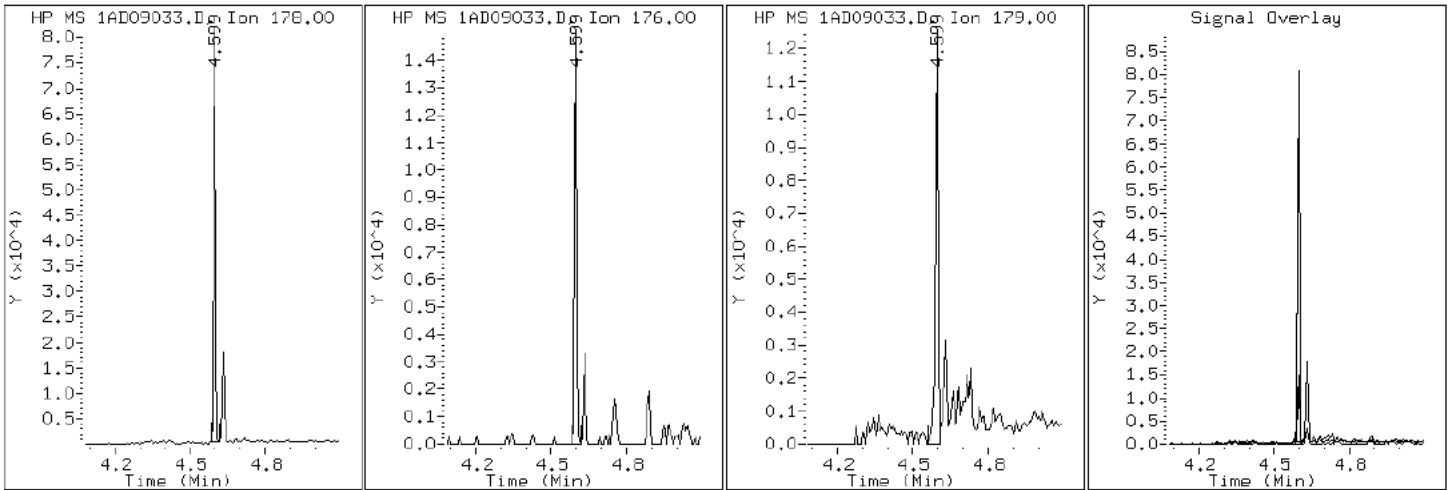
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09033.D

Date: 09-APR-2013 21:19

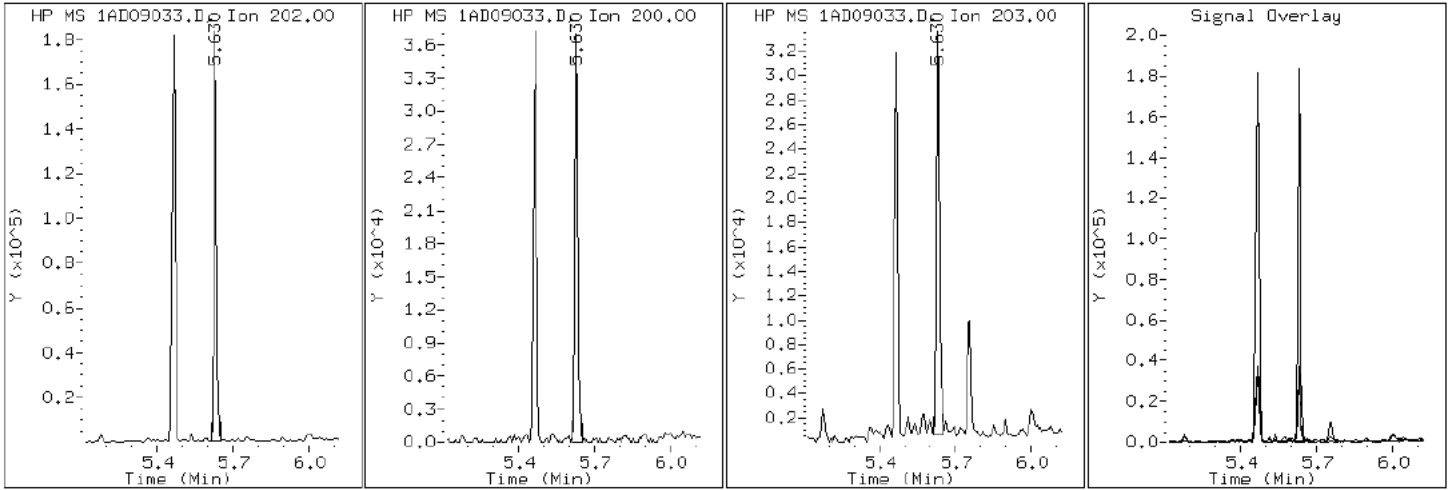
Client ID: CV1138B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-74-a

Operator: SCC

16 Pyrene

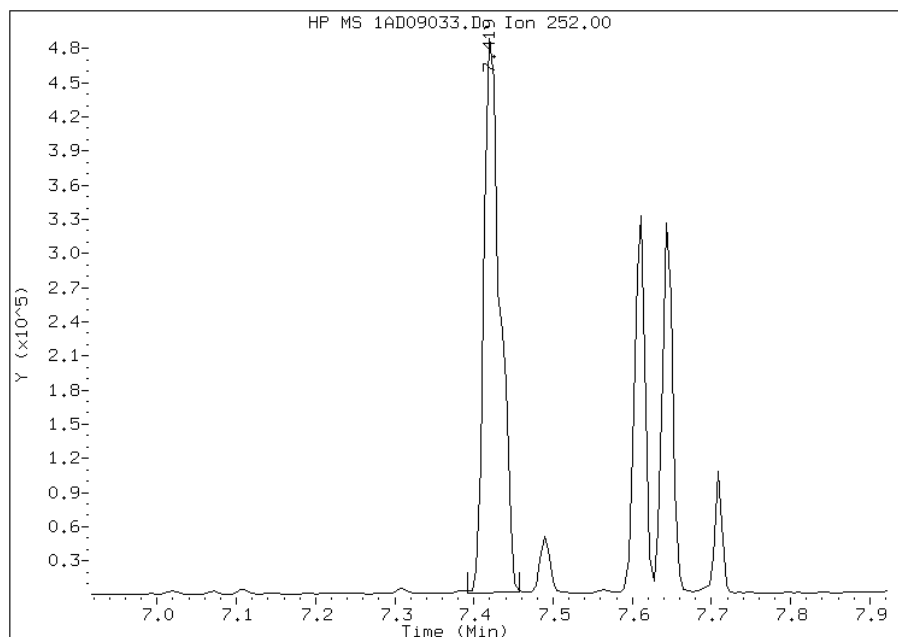


Manual Integration Report

Data File: 1AD09033.D
Inj. Date and Time: 09-APR-2013 21:19
Instrument ID: BSMA5973.i
Client ID: CV1138B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

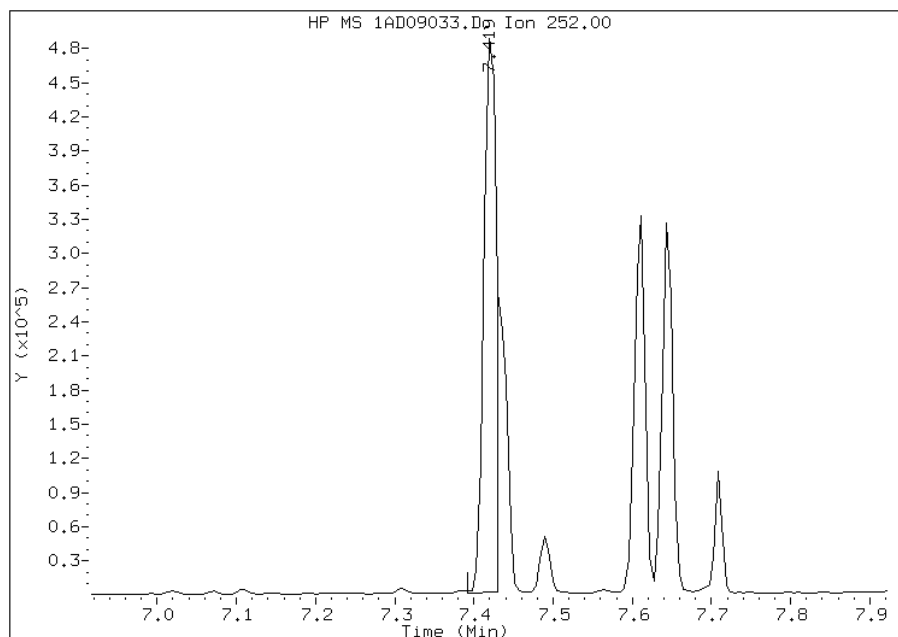
Processing Integration Results

RT: 7.42
Response: 688256
Amount: 14
Conc: 4420



Manual Integration Results

RT: 7.42
Response: 533747
Amount: 11
Conc: 3428



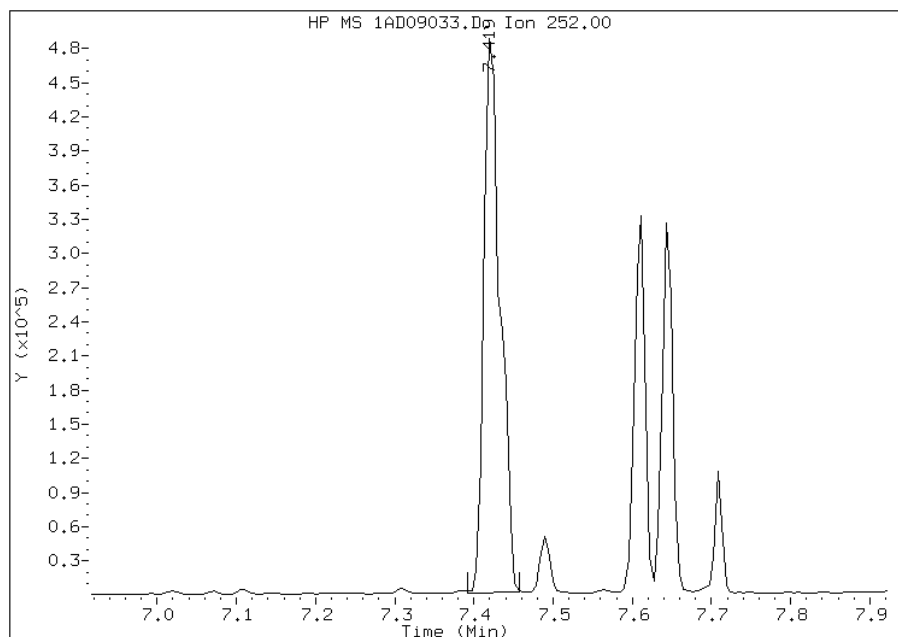
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:21
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09033.D
Inj. Date and Time: 09-APR-2013 21:19
Instrument ID: BSMA5973.i
Client ID: CV1138B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

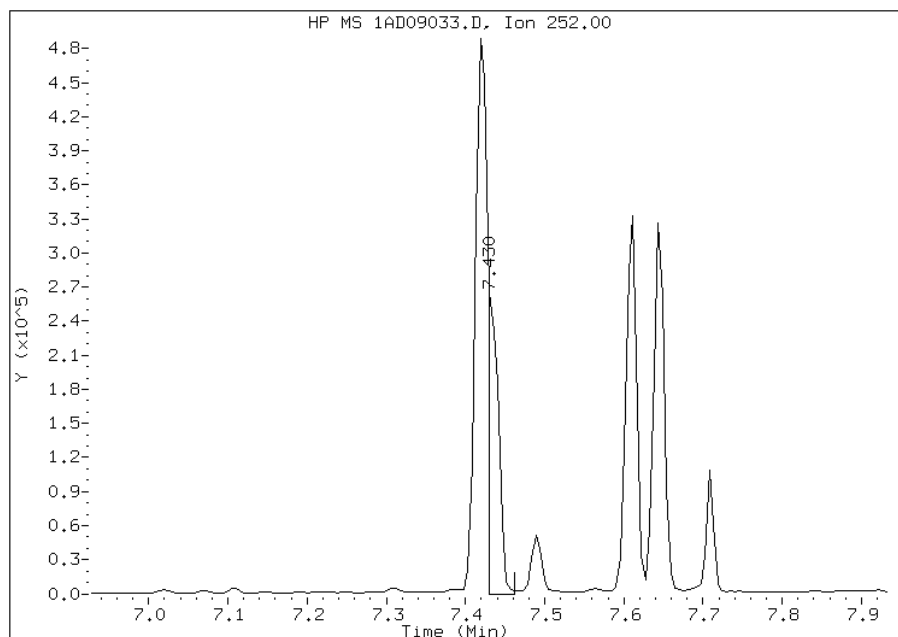
Processing Integration Results

RT: 7.42
Response: 688252
Amount: 13
Conc: 3980



Manual Integration Results

RT: 7.43
Response: 245275
Amount: 5
Conc: 1418



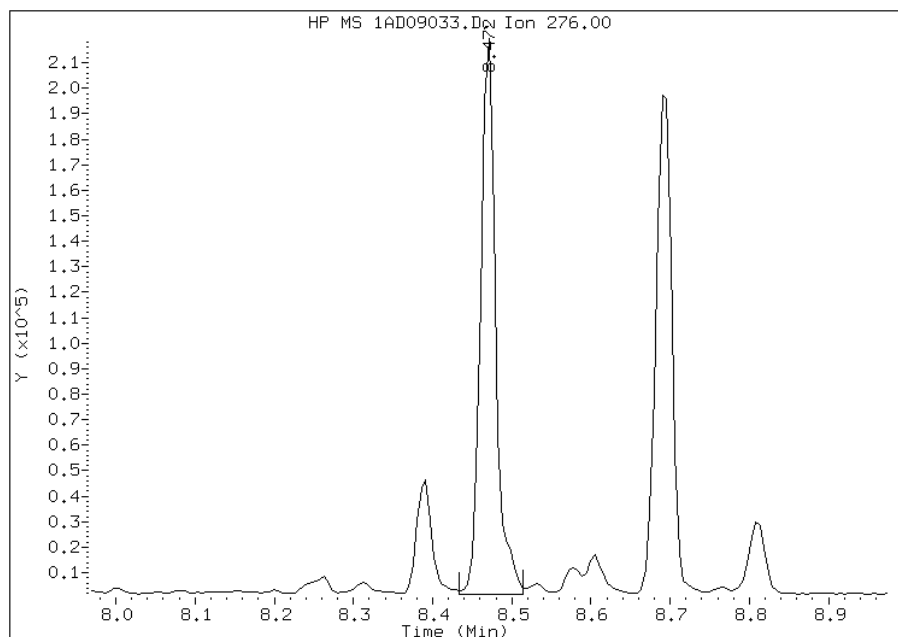
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:21
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09033.D
Inj. Date and Time: 09-APR-2013 21:19
Instrument ID: BSMA5973.i
Client ID: CV1138B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

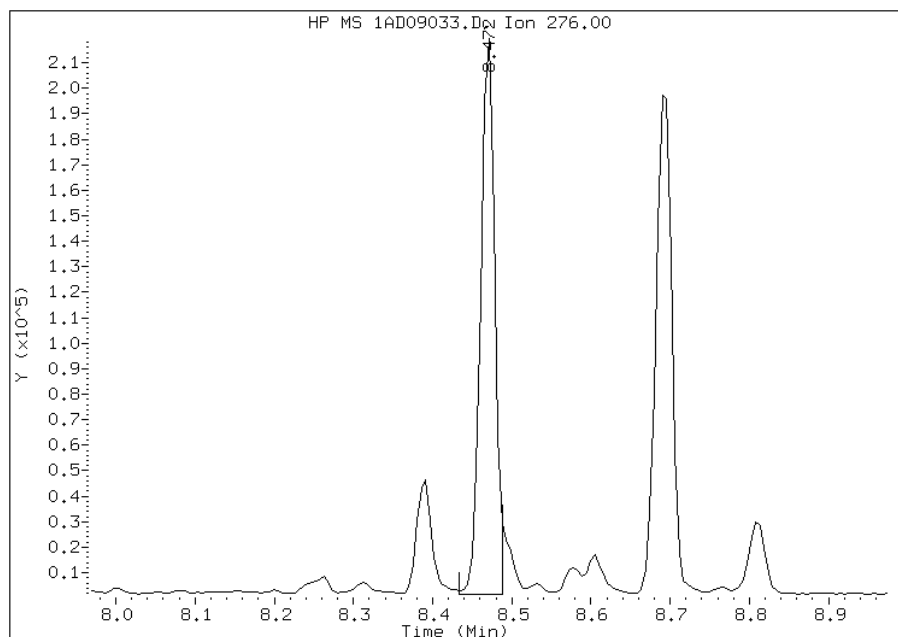
Processing Integration Results

RT: 8.47
Response: 285566
Amount: 7
Conc: 2051



Manual Integration Results

RT: 8.47
Response: 267811
Amount: 6
Conc: 1931



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:22
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1140A-CS Lab Sample ID: 680-88811-75
 Matrix: Solid Lab File ID: 1AD09034.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:10
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.28(g) Date Analyzed: 04/09/2013 21:34
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 11.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 110 | U | 110 | 22 |
| 208-96-8 | Acenaphthylene | 48 | | 44 | 5.5 |
| 120-12-7 | Anthracene | 49 | | 9.3 | 4.6 |
| 56-55-3 | Benzo[a]anthracene | 170 | | 8.9 | 4.3 |
| 50-32-8 | Benzo[a]pyrene | 200 | | 12 | 5.8 |
| 205-99-2 | Benzo[b]fluoranthene | 430 | | 14 | 6.8 |
| 191-24-2 | Benzo[g,h,i]perylene | 280 | | 22 | 4.9 |
| 207-08-9 | Benzo[k]fluoranthene | 170 | | 8.9 | 4.0 |
| 218-01-9 | Chrysene | 230 | | 10 | 5.0 |
| 53-70-3 | Dibenz(a,h)anthracene | 92 | | 22 | 4.5 |
| 206-44-0 | Fluoranthene | 170 | | 22 | 4.4 |
| 86-73-7 | Fluorene | 22 | U | 22 | 4.5 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 250 | | 22 | 7.9 |
| 90-12-0 | 1-Methylnaphthalene | 51 | | 44 | 4.9 |
| 91-57-6 | 2-Methylnaphthalene | 52 | | 44 | 7.9 |
| 91-20-3 | Naphthalene | 48 | | 44 | 4.9 |
| 85-01-8 | Phenanthrene | 95 | | 8.9 | 4.3 |
| 129-00-0 | Pyrene | 190 | | 22 | 4.1 |

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

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09034.D
 Lab Smp Id: 680-88811-A-75-A Client Smp ID: CV1140A-CS
 Inj Date : 09-APR-2013 21:34
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-75-a
 Misc Info : 680-88811-A-75-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 34
 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 | 15.280 | Weight Extracted |
| M | 11.316 | % 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 | RT | EXP RT | REL RT | RESPONSE |
| | MASS | | (ug/ml) | (ug/Kg) | | | | |
| * 1 Naphthalene-d8 | 136 | | 40.0000 | | 2.596 | 2.591 | (1.000) | 1634109 |
| * 6 Acenaphthene-d10 | 164 | | 40.0000 | | 3.627 | 3.622 | (1.000) | 859569 |
| * 10 Phenanthrene-d10 | 188 | | 40.0000 | | 4.583 | 4.573 | (1.000) | 1343609 |
| \$ 14 o-Terphenyl | 230 | | 5.18331 | 382.5055 | 4.887 | 4.877 | (1.066) | 149488 |
| * 18 Chrysene-d12 | 240 | | 40.0000 | | 6.607 | 6.597 | (1.000) | 1417630 |
| * 23 Perylene-d12 | 264 | | 40.0000 | | 7.697 | 7.676 | (1.000) | 1669682 |
| 2 Naphthalene | 128 | | 0.65485 | 48.3248 | 2.607 | 2.602 | (1.004) | 24688 |
| 3 2-Methylnaphthalene | 141 | | 0.71108 | 52.4746 | 3.013 | 3.008 | (1.160) | 20257 |
| 4 1-Methylnaphthalene | 142 | | 0.68705 | 50.7011 | 3.066 | 3.062 | (1.181) | 20028 |
| 5 Acenaphthylene | 152 | | 0.65253 | 48.1540 | 3.536 | 3.532 | (0.975) | 16308 |
| 11 Phenanthrene | 178 | | 1.28967 | 95.1720 | 4.599 | 4.589 | (1.003) | 63792 |
| 12 Anthracene | 178 | | 0.65764 | 48.5312 | 4.631 | 4.626 | (1.010) | 22861 |
| 13 Carbazole | 167 | | 0.23081 | 17.0331 | 4.759 | 4.755 | (1.038) | 8654 |
| 15 Fluoranthene | 202 | | 2.33310 | 172.1725 | 5.464 | 5.454 | (1.192) | 137301 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 16 Pyrene | 202 | 5.630 | 5.620 | (0.852) | 137353 | 2.51436 | 185.5490 |
| 17 Benzo(a)anthracene | 228 | 6.597 | 6.581 | (0.998) | 110340 | 2.33337 | 172.1926 |
| 19 Chrysene | 228 | 6.623 | 6.613 | (1.002) | 150855 | 3.12793 | 230.8272 |
| 20 Benzo(b)fluoranthene | 252 | 7.419 | 7.404 | (0.964) | 295298 | 5.83274 | 430.4305(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.430 | 7.425 | (0.965) | 132039 | 2.34821 | 173.2875(QM) |
| 22 Benzo(a)pyrene | 252 | 7.643 | 7.628 | (0.993) | 169436 | 2.69505 | 198.8828 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.471 | 8.451 | (1.101) | 142290 | 3.35158 | 247.3323(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.493 | 8.477 | (1.103) | 52644 | 1.24713 | 92.0330 |
| 26 Benzo(g,h,i)perylene | 276 | 8.696 | 8.670 | (1.130) | 173900 | 3.82397 | 282.1926 |

QC Flag Legend

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

Data File: 1AD09034.D

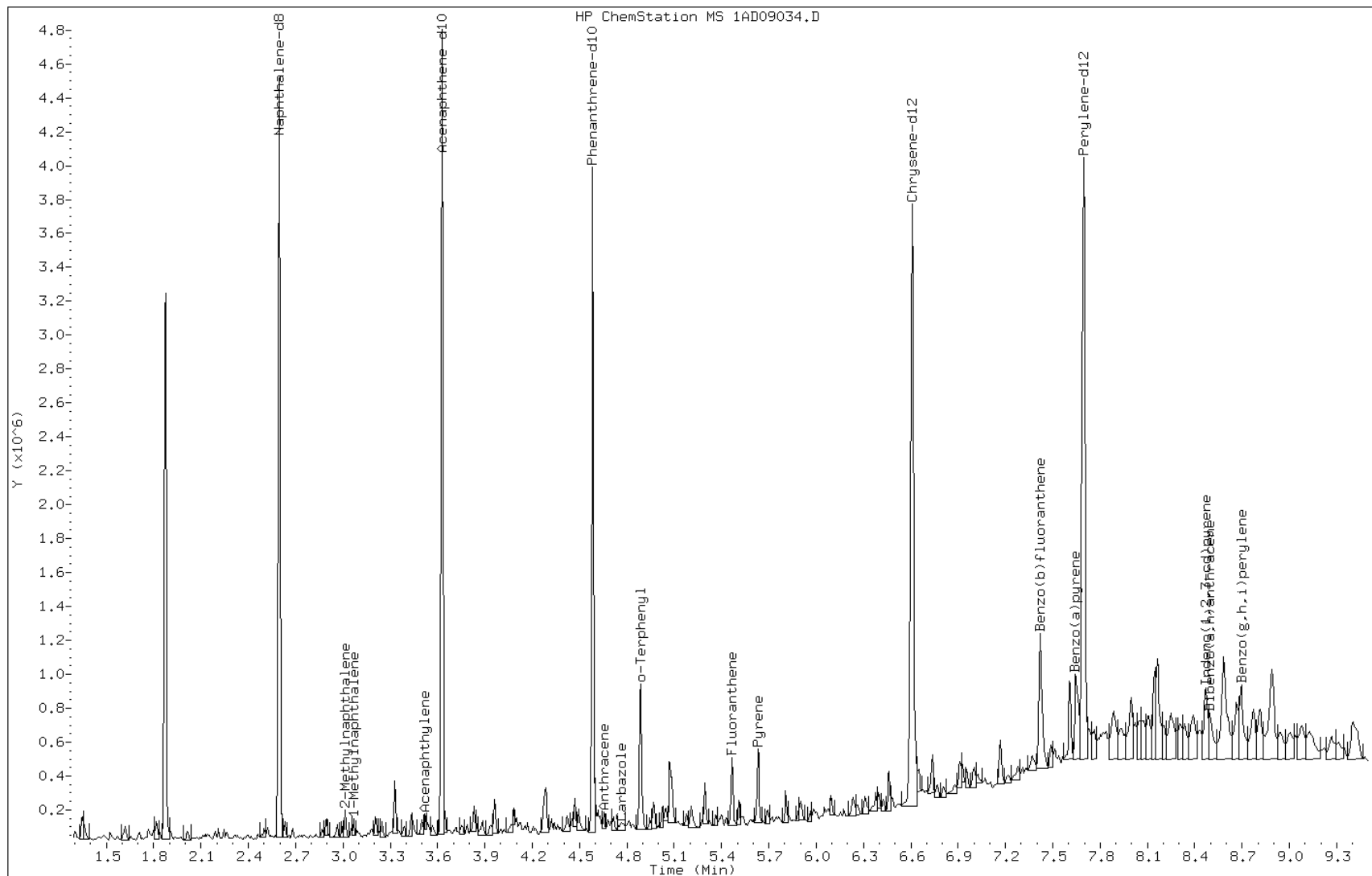
Date: 09-APR-2013 21:34

Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

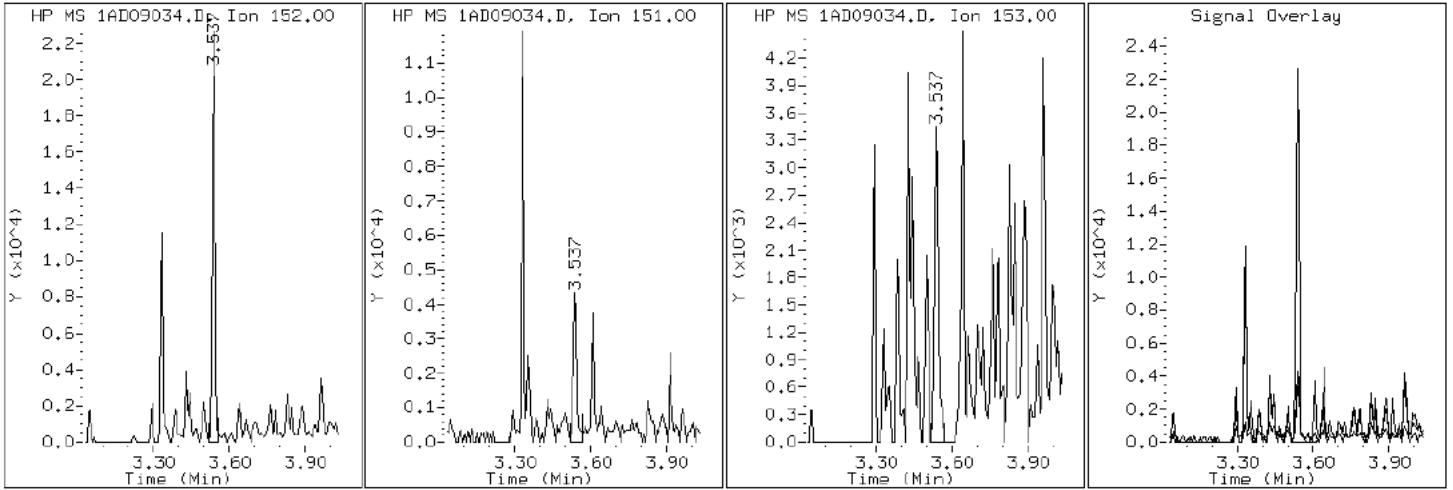
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

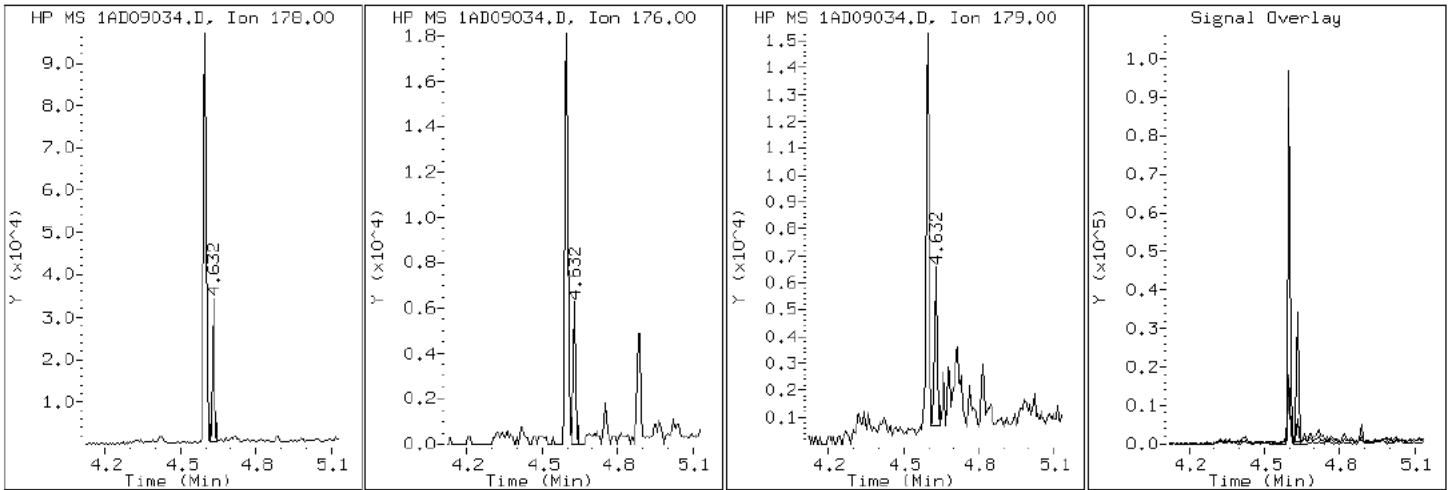
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

12 Anthracene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

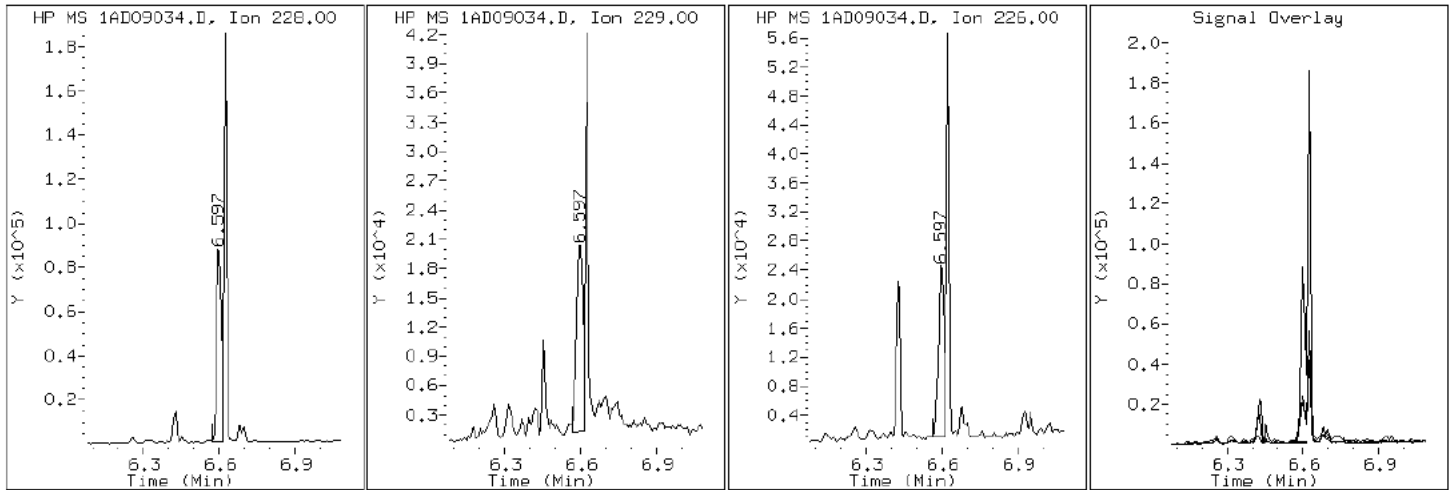
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

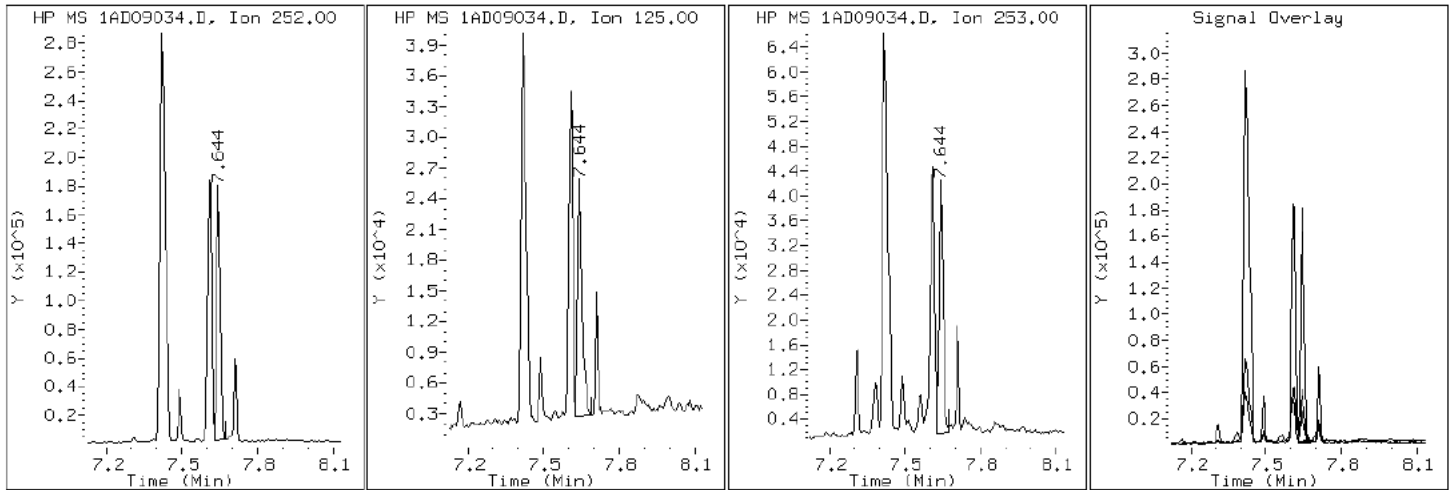
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

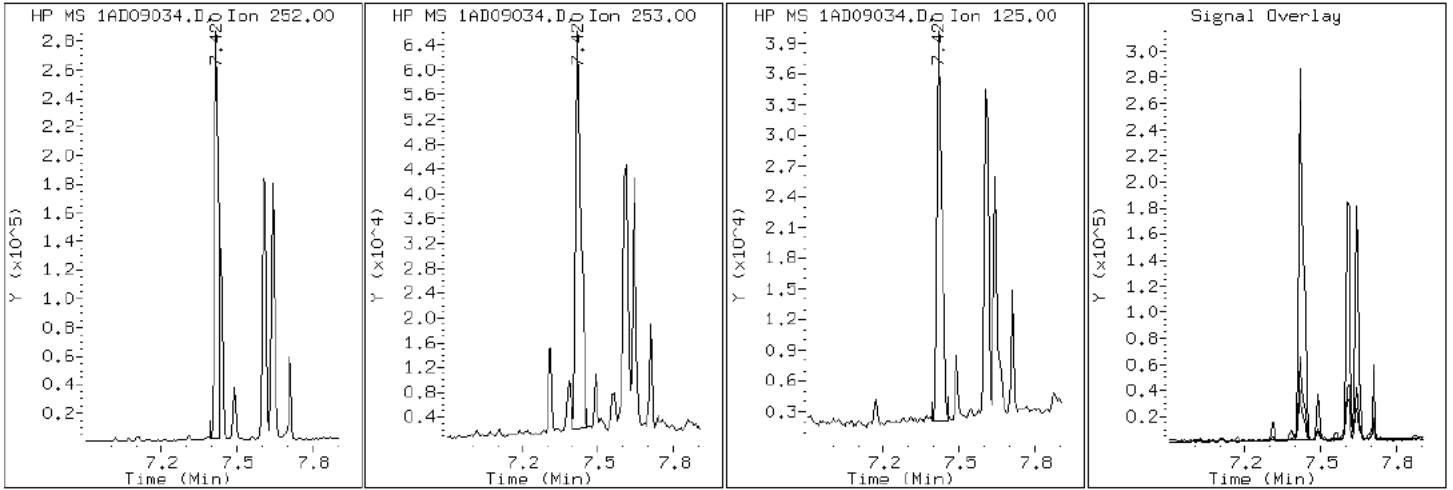
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

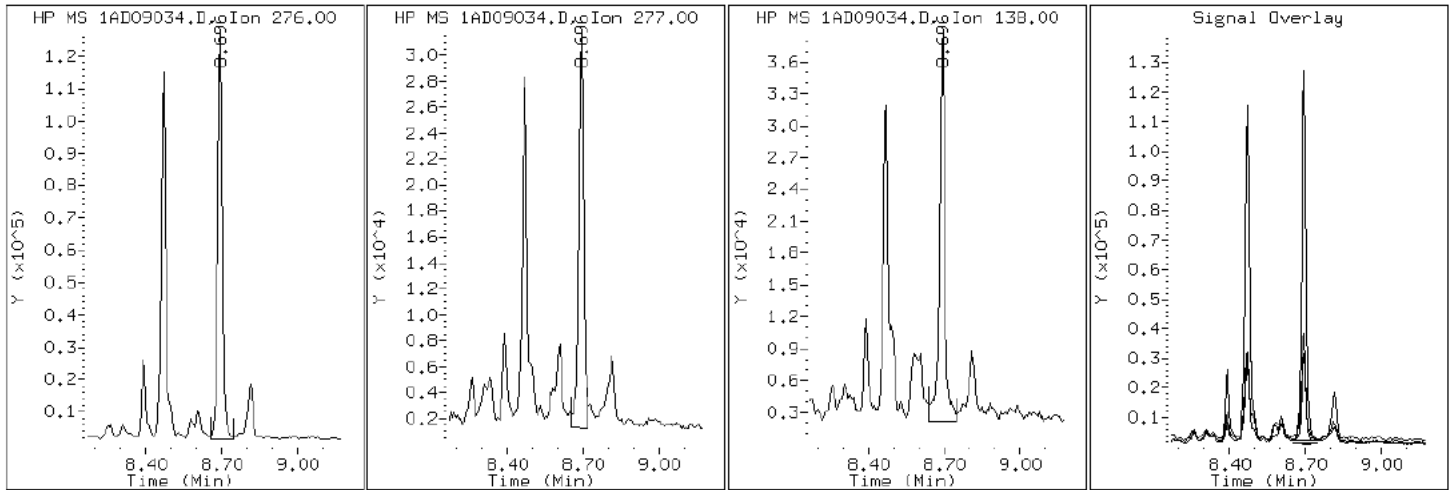
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

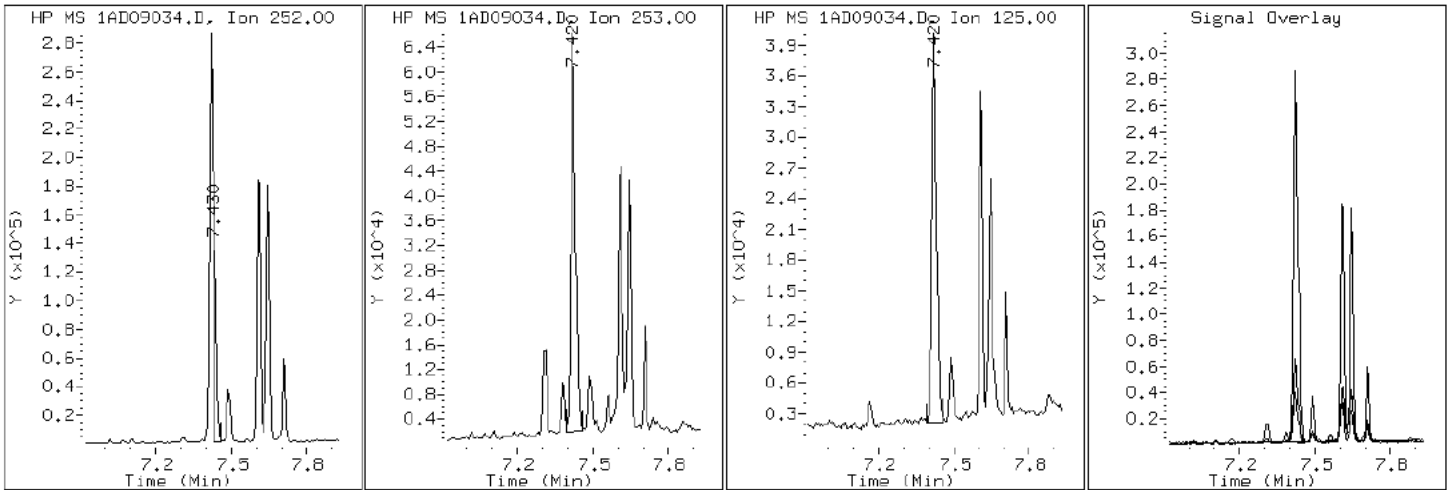
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

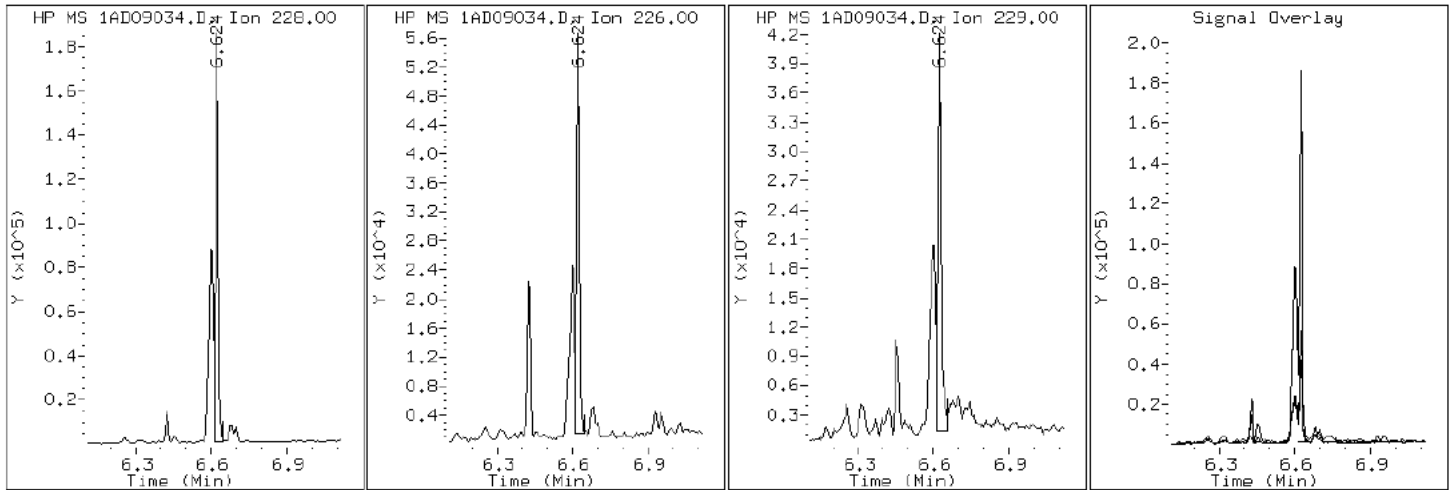
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

19 Chrysene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

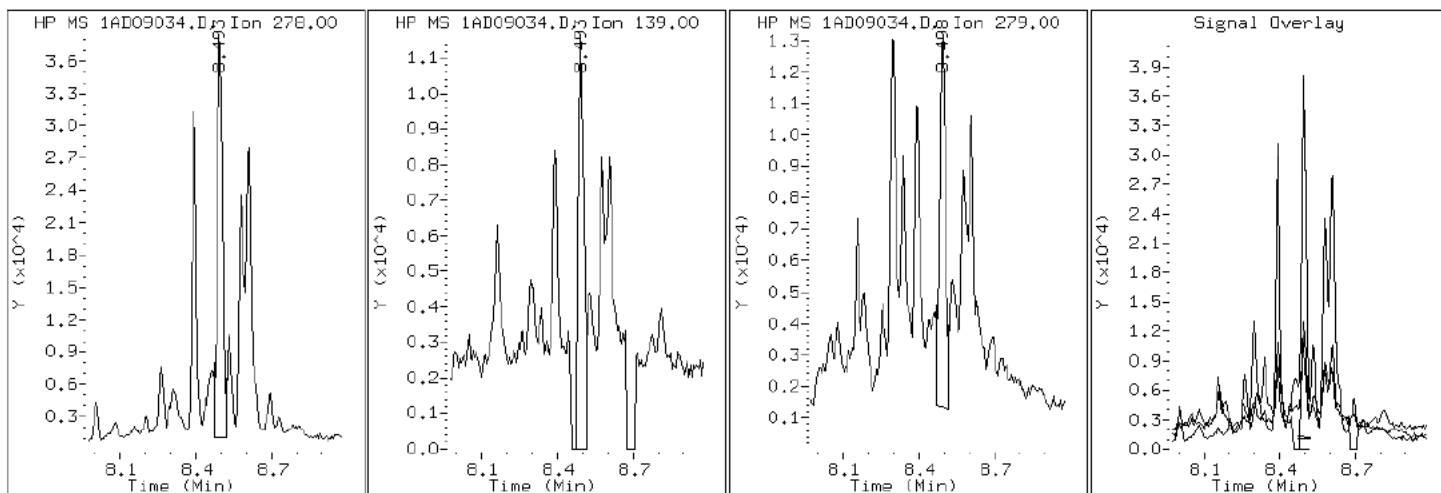
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

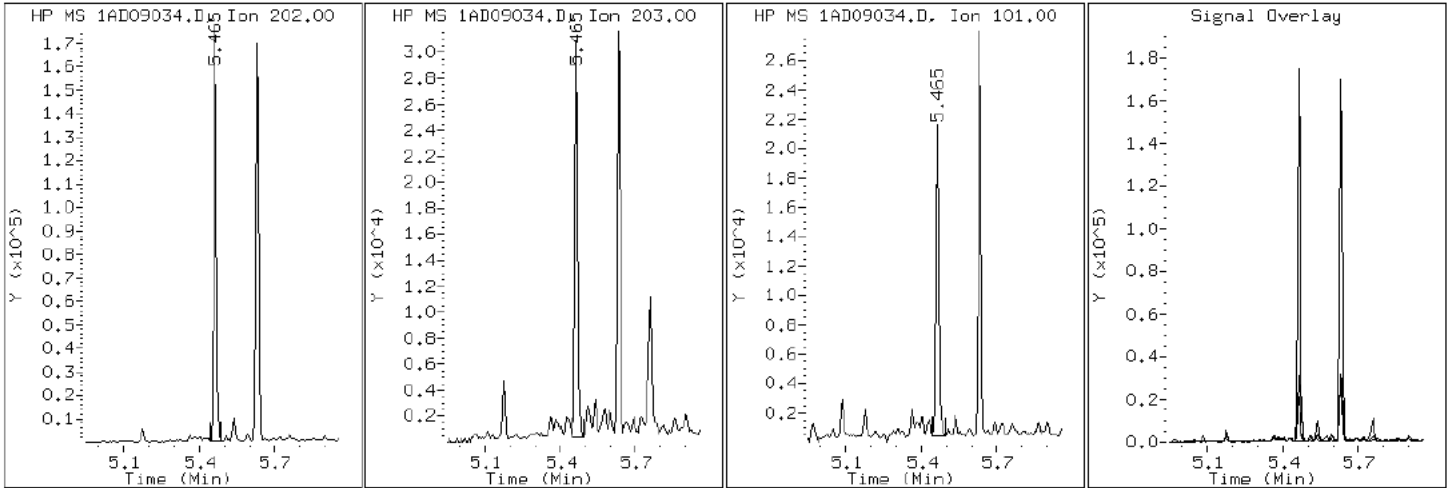
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

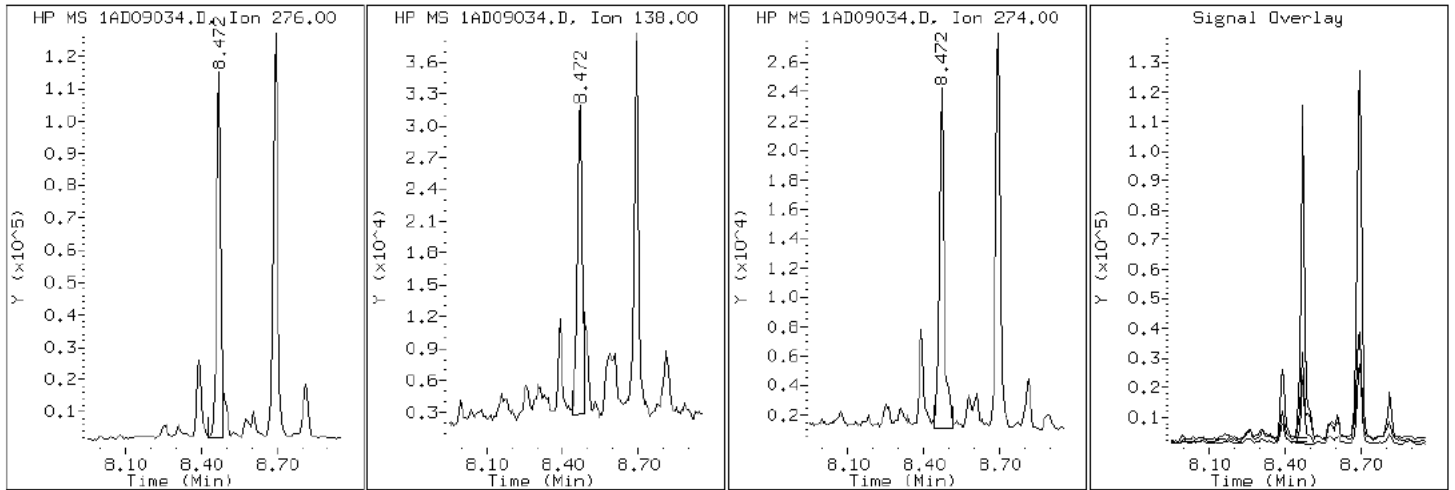
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

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



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

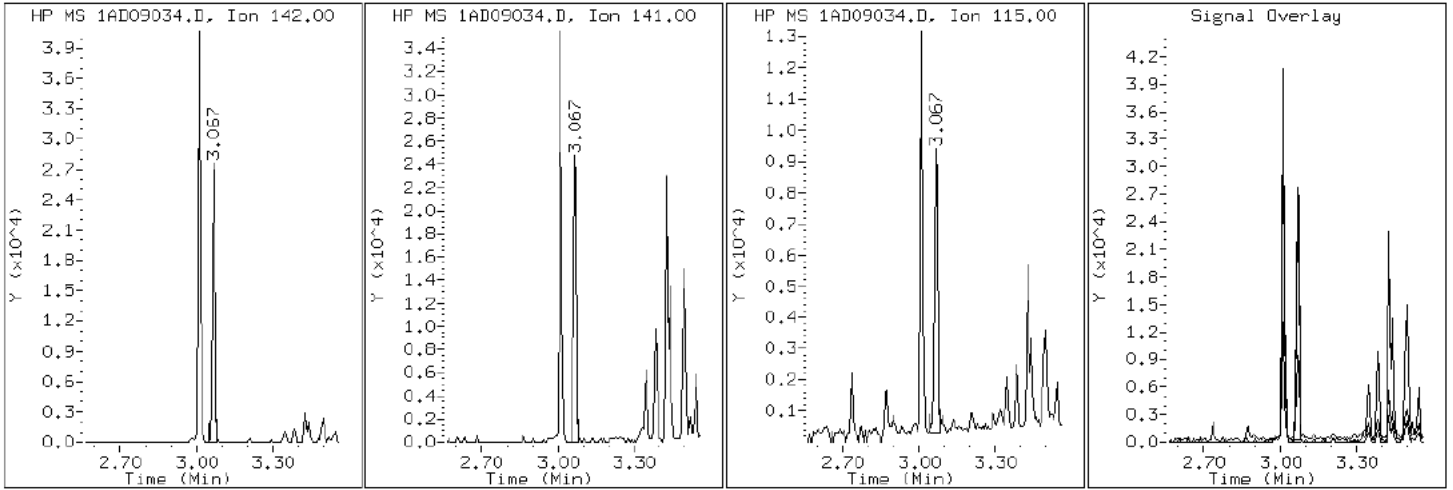
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

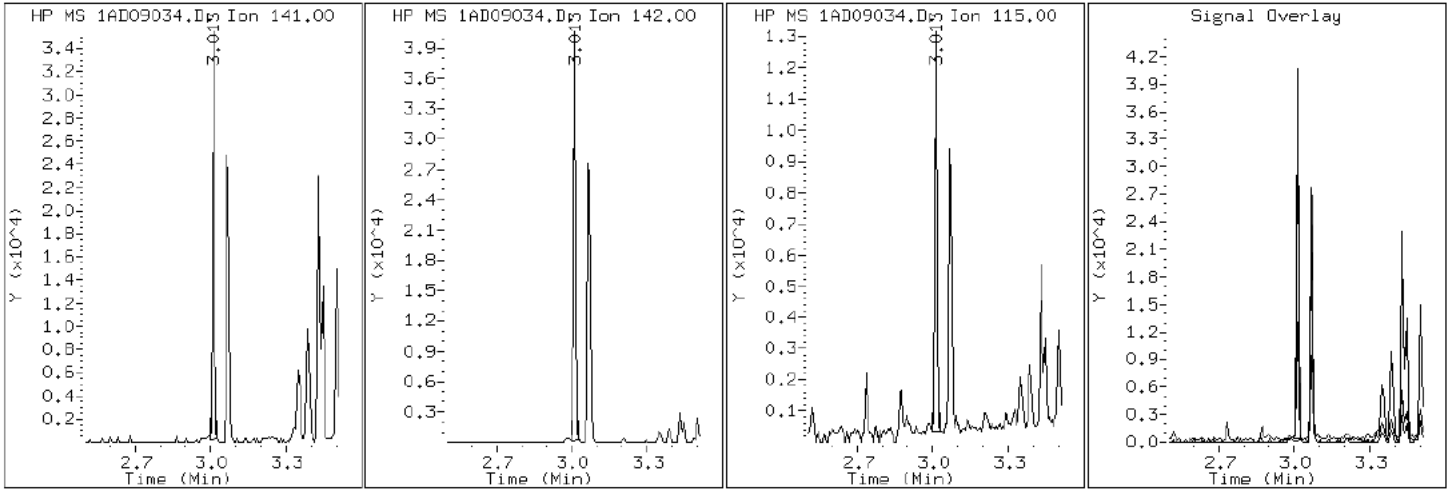
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

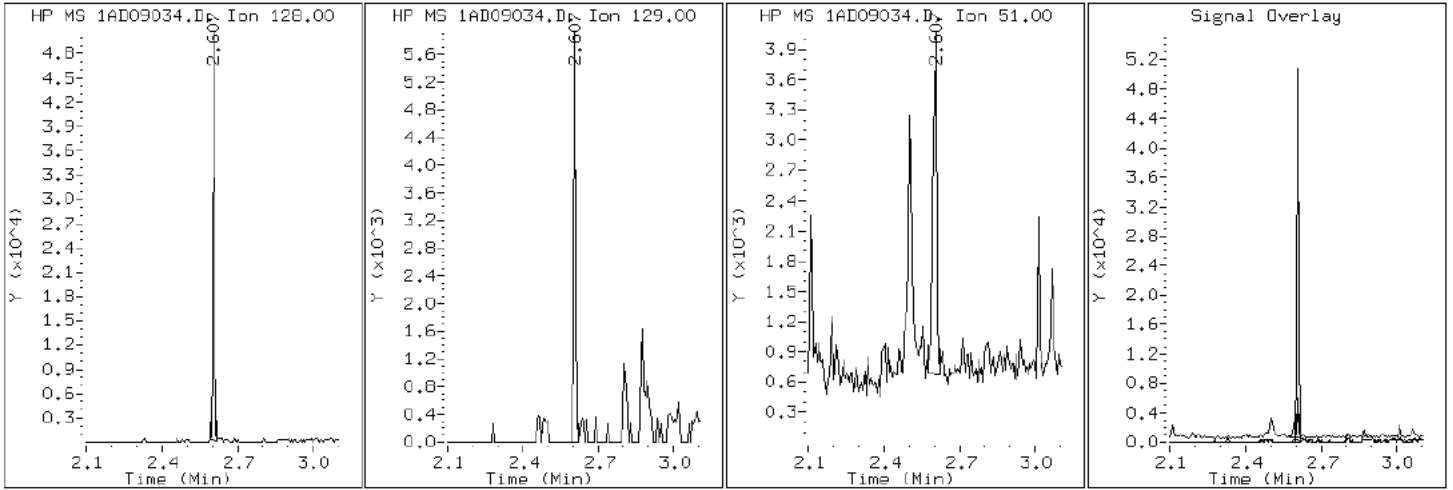
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

2 Naphthalene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

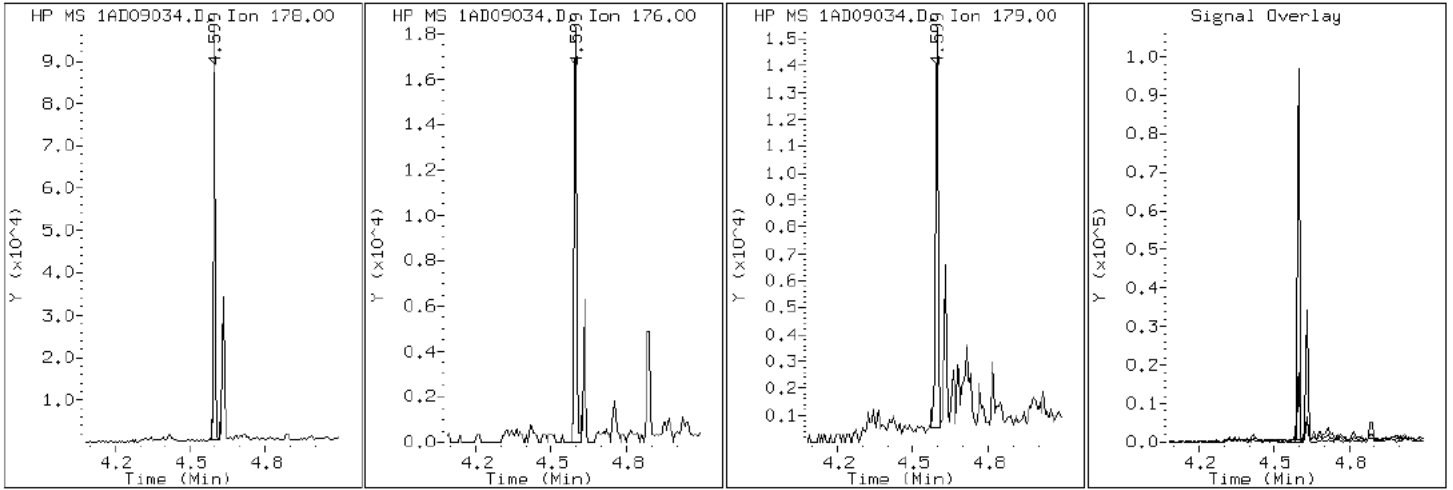
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09034.D

Date: 09-APR-2013 21:34

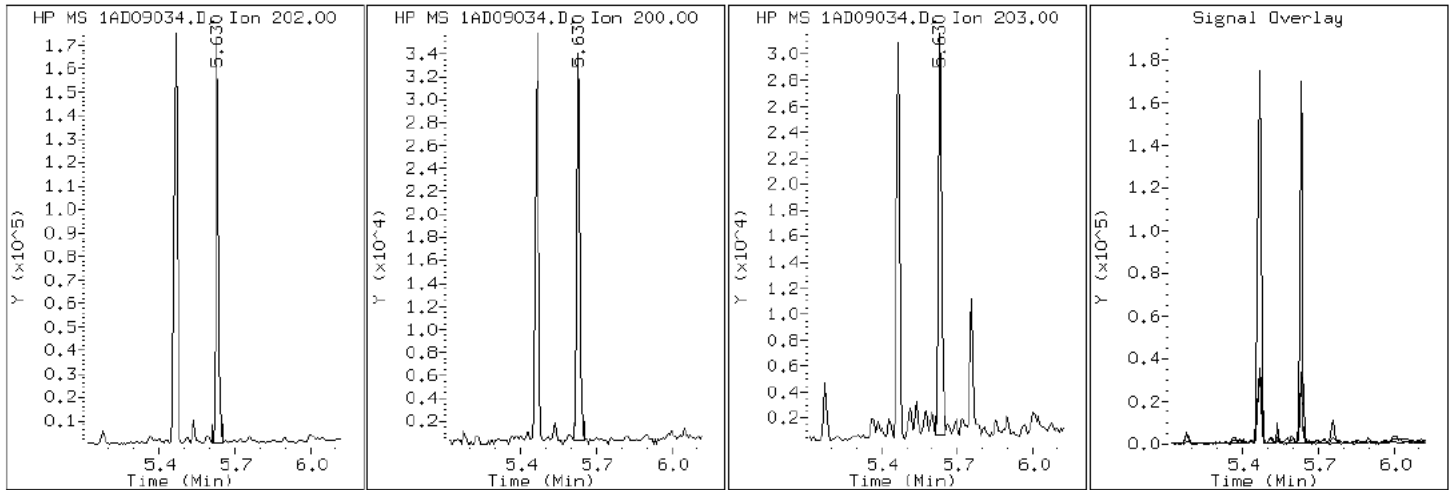
Client ID: CV1140A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-75-a

Operator: SCC

16 Pyrene

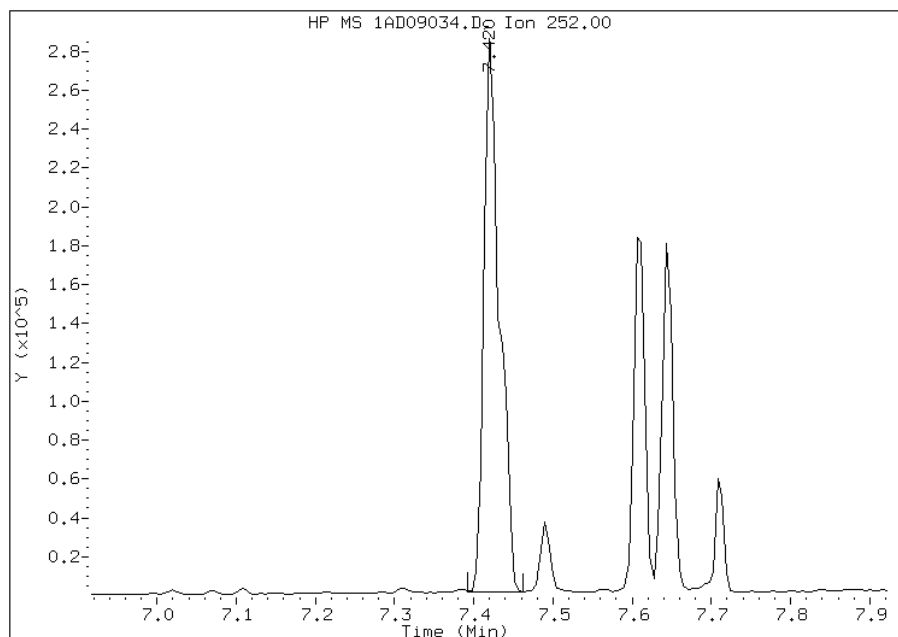


Manual Integration Report

Data File: 1AD09034.D
Inj. Date and Time: 09-APR-2013 21:34
Instrument ID: BSMA5973.i
Client ID: CV1140A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

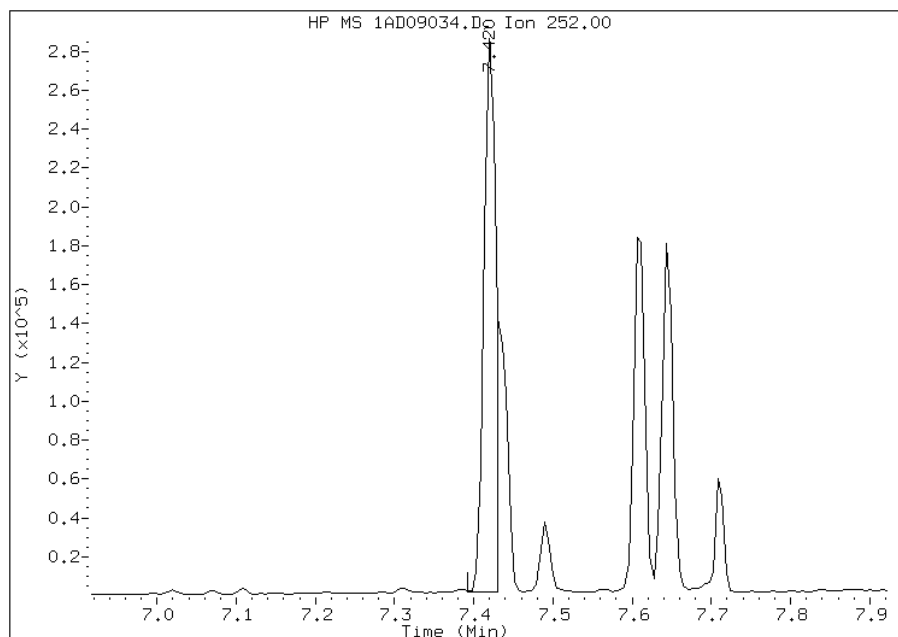
Processing Integration Results

RT: 7.42
Response: 381567
Amount: 8
Conc: 556



Manual Integration Results

RT: 7.42
Response: 295298
Amount: 6
Conc: 430



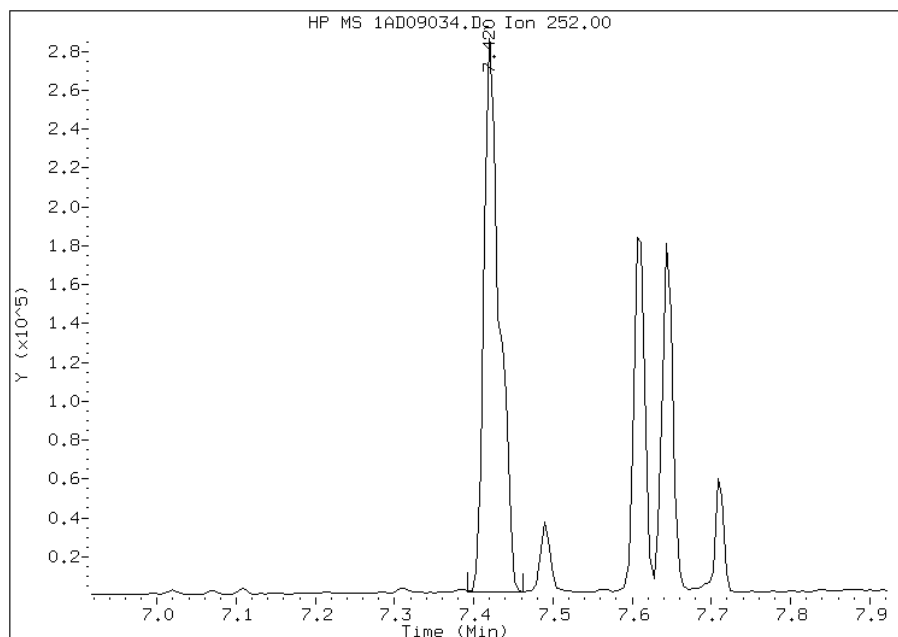
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:22
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09034.D
Inj. Date and Time: 09-APR-2013 21:34
Instrument ID: BSMA5973.i
Client ID: CV1140A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

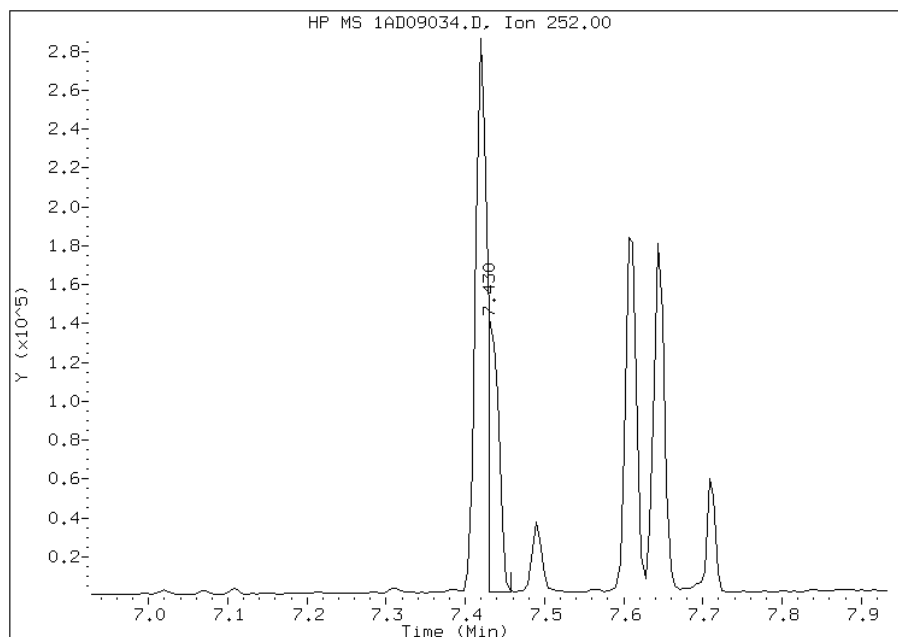
Processing Integration Results

RT: 7.42
Response: 381579
Amount: 7
Conc: 501



Manual Integration Results

RT: 7.43
Response: 132039
Amount: 2
Conc: 173



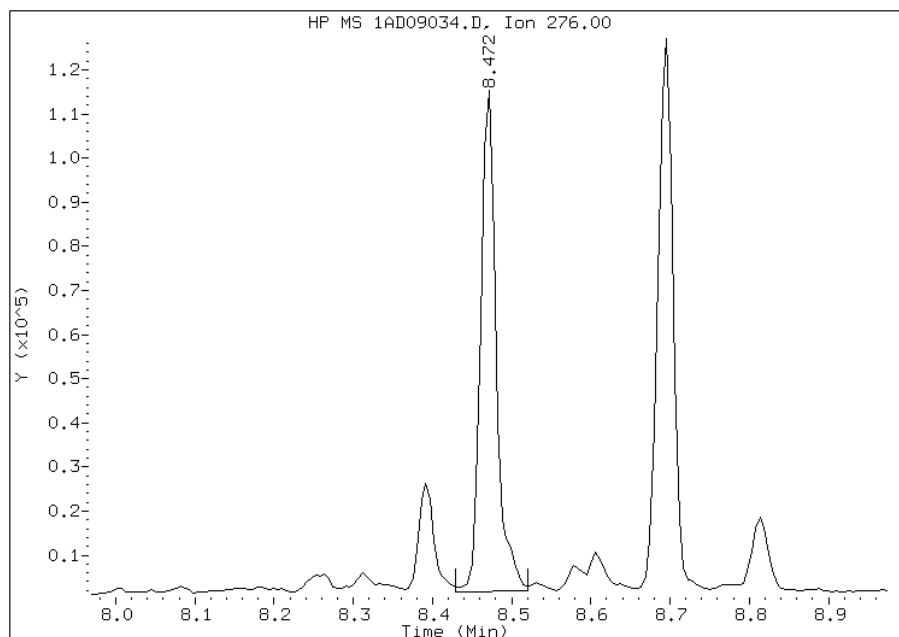
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09034.D
Inj. Date and Time: 09-APR-2013 21:34
Instrument ID: BSMA5973.i
Client ID: CV1140A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

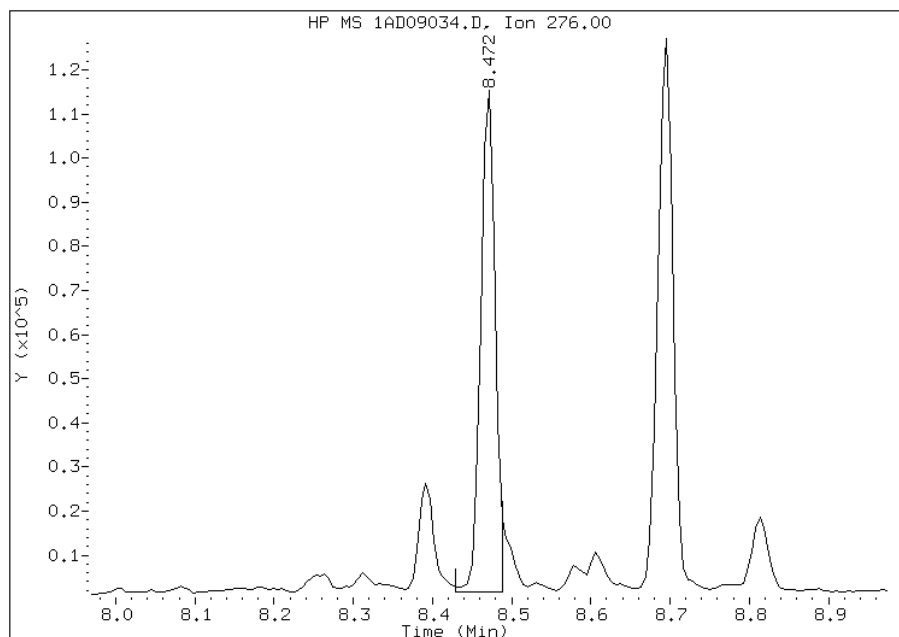
Processing Integration Results

RT: 8.47
Response: 153151
Amount: 4
Conc: 264



Manual Integration Results

RT: 8.47
Response: 142290
Amount: 3
Conc: 247



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:23
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1140B-CS Lab Sample ID: 680-88811-76
 Matrix: Solid Lab File ID: 1AD09035.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 13:15
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.08(g) Date Analyzed: 04/09/2013 21:49
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 15.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 120 | U | 120 | 23 |
| 208-96-8 | Acenaphthylene | 47 | U | 47 | 5.9 |
| 120-12-7 | Anthracene | 41 | | 9.9 | 4.9 |
| 56-55-3 | Benzo[a]anthracene | 96 | | 9.4 | 4.6 |
| 50-32-8 | Benzo[a]pyrene | 62 | | 12 | 6.1 |
| 205-99-2 | Benzo[b]fluoranthene | 210 | | 14 | 7.2 |
| 191-24-2 | Benzo[g,h,i]perylene | 120 | | 23 | 5.2 |
| 207-08-9 | Benzo[k]fluoranthene | 84 | | 9.4 | 4.2 |
| 218-01-9 | Chrysene | 130 | | 11 | 5.3 |
| 53-70-3 | Dibenz(a,h)anthracene | 43 | | 23 | 4.8 |
| 206-44-0 | Fluoranthene | 100 | | 23 | 4.7 |
| 86-73-7 | Fluorene | 23 | U | 23 | 4.8 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 130 | | 23 | 8.3 |
| 90-12-0 | 1-Methylnaphthalene | 57 | | 47 | 5.2 |
| 91-57-6 | 2-Methylnaphthalene | 60 | | 47 | 8.3 |
| 91-20-3 | Naphthalene | 52 | | 47 | 5.2 |
| 85-01-8 | Phenanthrene | 85 | | 9.4 | 4.6 |
| 129-00-0 | Pyrene | 110 | | 23 | 4.3 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 34 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09035.D
 Lab Smp Id: 680-88811-A-76-A Client Smp ID: CV1140B-CS
 Inj Date : 09-APR-2013 21:49
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-76-a
 Misc Info : 680-88811-A-76-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 35
 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 | 15.080 | Weight Extracted |
| M | 15.193 | % 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/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.596 | 2.591 | (1.000) | 1646204 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.627 | 3.622 | (1.000) | 863779 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.583 | 4.573 | (1.000) | 1335374 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.887 | 4.877 | (1.066) | 101148 | 3.42021 | 267.4352 |
| * 18 Chrysene-d12 | 240 | 6.607 | 6.597 | (1.000) | 1382735 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.697 | 7.676 | (1.000) | 1619399 | 40.0000 | |
| 2 Naphthalene | 128 | 2.607 | 2.602 | (1.004) | 25387 | 0.66192 | 51.7569 |
| 3 2-Methylnaphthalene | 141 | 3.013 | 3.008 | (1.160) | 22432 | 0.76185 | 59.5707 |
| 4 1-Methylnaphthalene | 142 | 3.066 | 3.062 | (1.181) | 22024 | 0.72429 | 56.6337 |
| 11 Phenanthrene | 178 | 4.599 | 4.589 | (1.003) | 50856 | 1.08650 | 84.9559 |
| 12 Anthracene | 178 | 4.631 | 4.626 | (1.010) | 13546 | 0.52662 | 41.1779 |
| 13 Carbazole | 167 | 4.765 | 4.755 | (1.040) | 7662 | 0.21305 | 16.6587 |
| 15 Fluoranthene | 202 | 5.464 | 5.454 | (1.192) | 77525 | 1.32969 | 103.9717 |
| 16 Pyrene | 202 | 5.630 | 5.620 | (0.852) | 78177 | 1.46721 | 114.7251 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | | |
|---------------------------|-----------|--|----------------|--------|---------|----------|----------------------|------------------|
| | MASS | | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | | ----- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | | 6.602 | 6.581 | (0.999) | 56854 | 1.23264 | 96.3832 |
| 19 Chrysene | 228 | | 6.623 | 6.613 | (1.002) | 75636 | 1.60786 | 125.7230 |
| 20 Benzo(b)fluoranthene | 252 | | 7.419 | 7.404 | (0.964) | 130406 | 2.65576 | 207.6610(M) |
| 21 Benzo(k)fluoranthene | 252 | | 7.430 | 7.425 | (0.965) | 58457 | 1.07189 | 83.8139(QM) |
| 22 Benzo(a)pyrene | 252 | | 7.643 | 7.628 | (0.993) | 77836 | 0.79043 | 61.8059 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 8.471 | 8.451 | (1.101) | 61190 | 1.70880 | 133.6156(M) |
| 25 Dibenzo(a,h)anthracene | 278 | | 8.498 | 8.477 | (1.104) | 22720 | 0.55495 | 43.3928 |
| 26 Benzo(g,h,i)perylene | 276 | | 8.696 | 8.670 | (1.130) | 65896 | 1.49401 | 116.8207 |

QC Flag Legend

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

Data File: 1AD09035.D

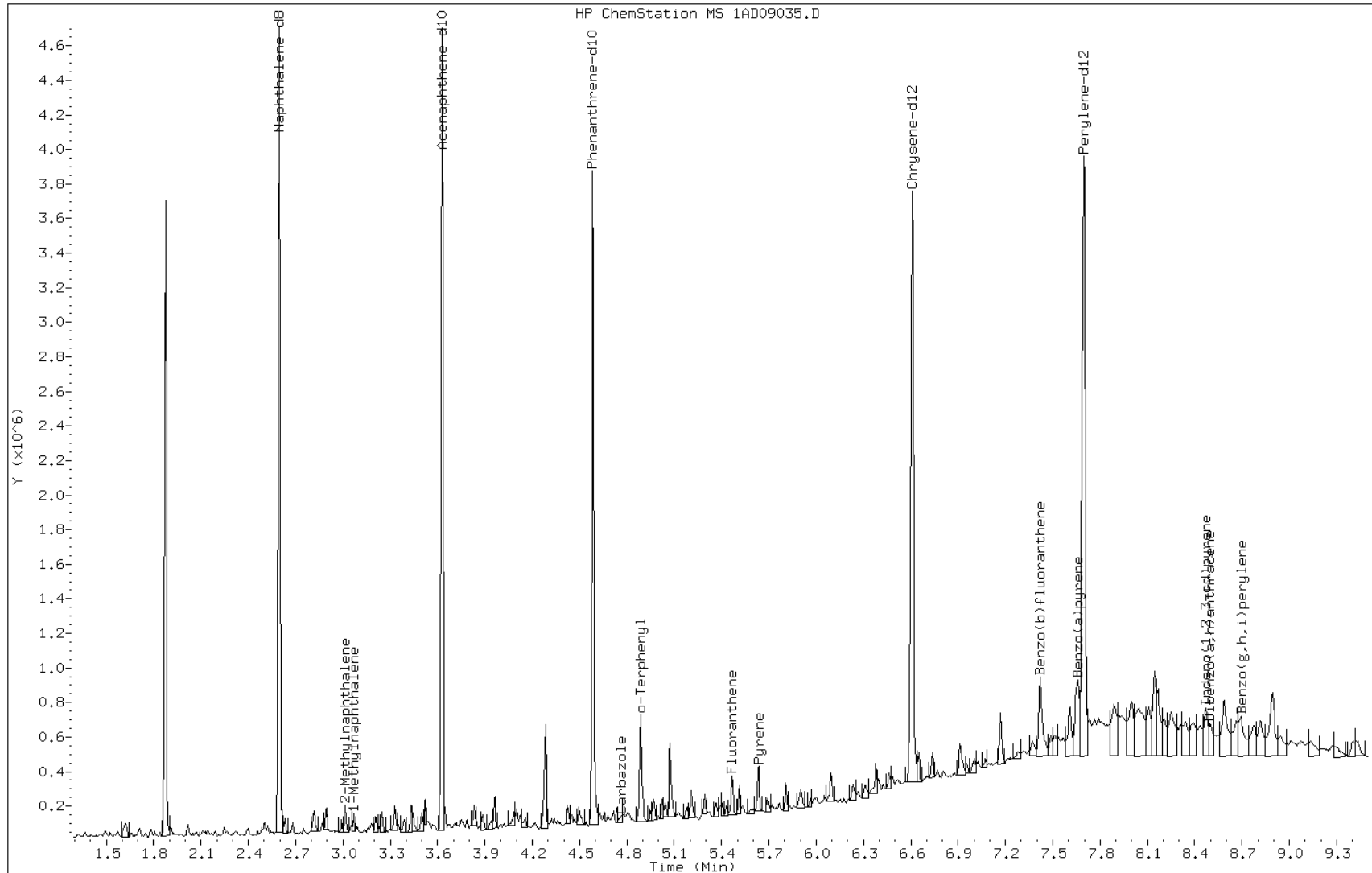
Date: 09-APR-2013 21:49

Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

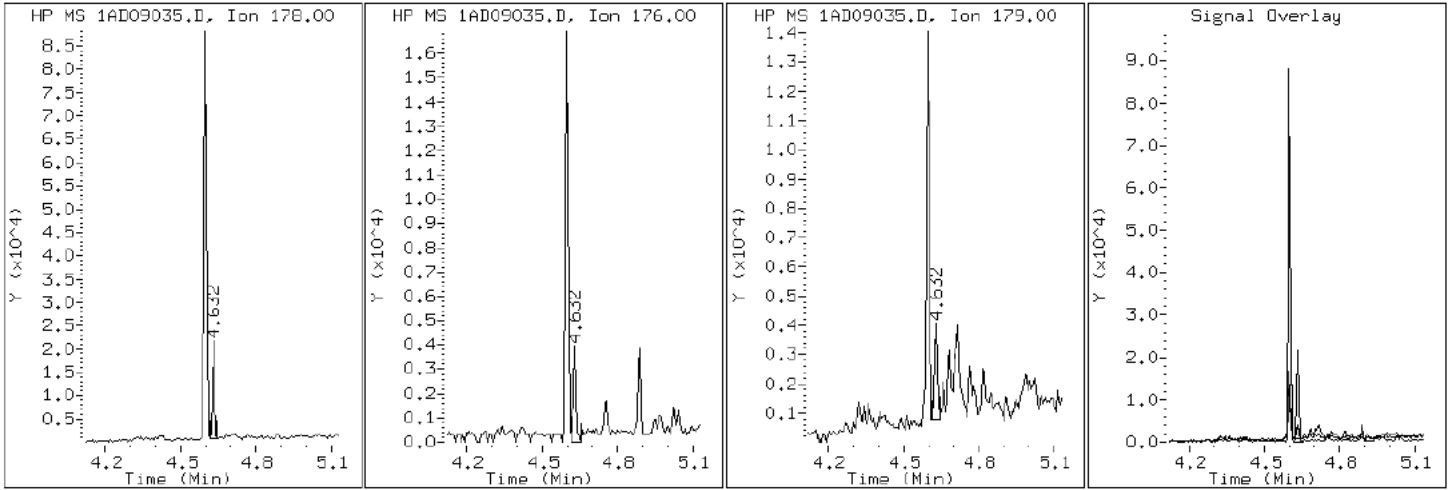
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

12 Anthracene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

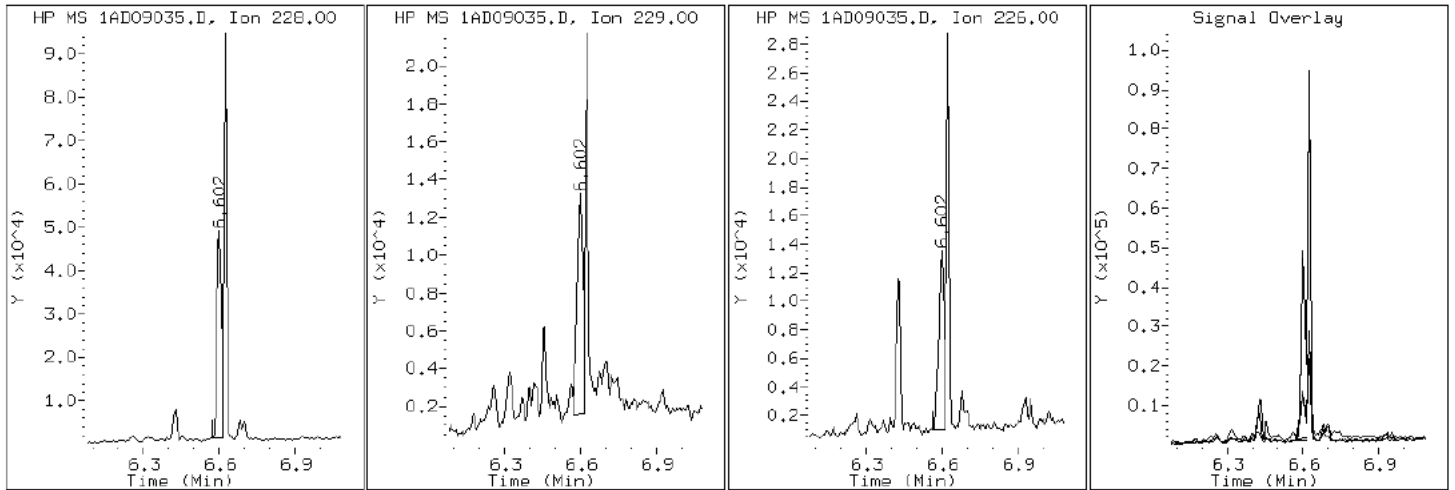
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

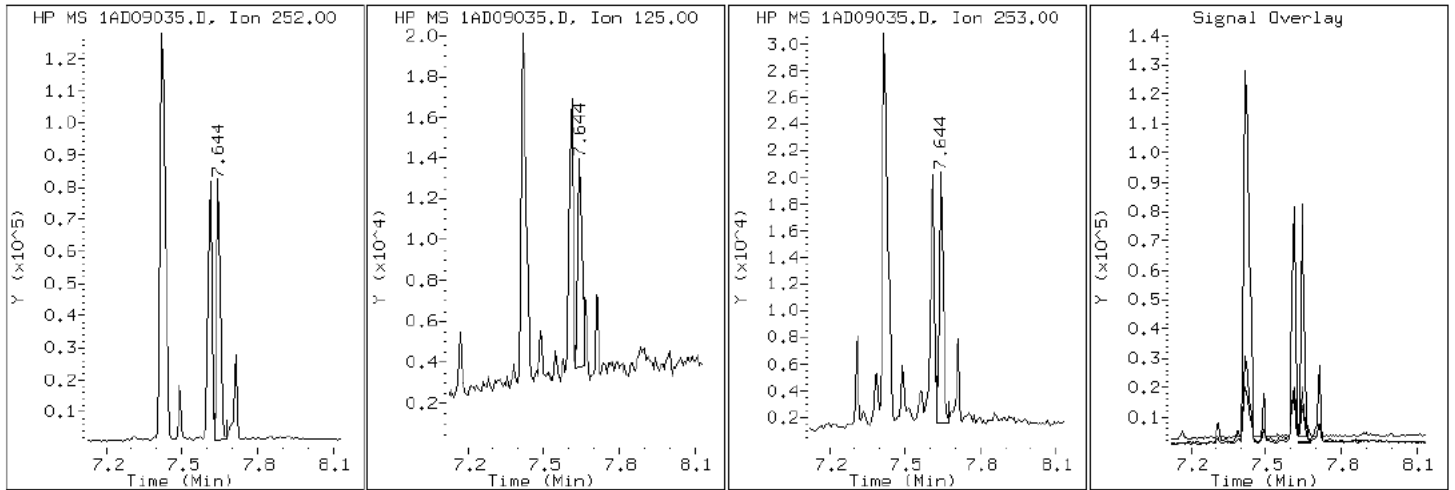
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

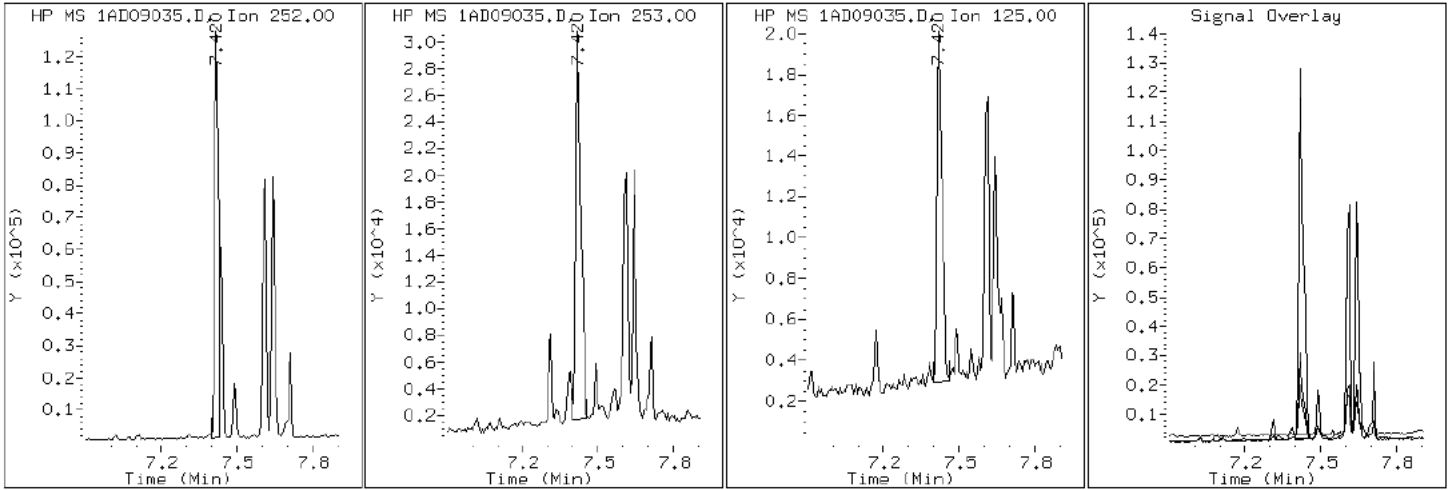
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

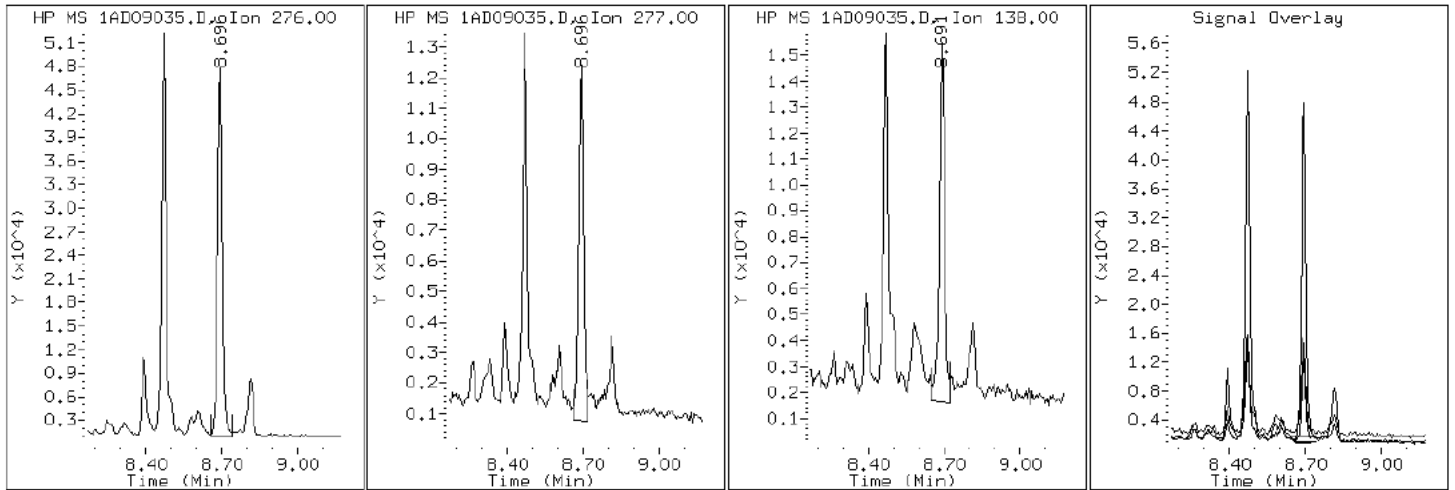
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

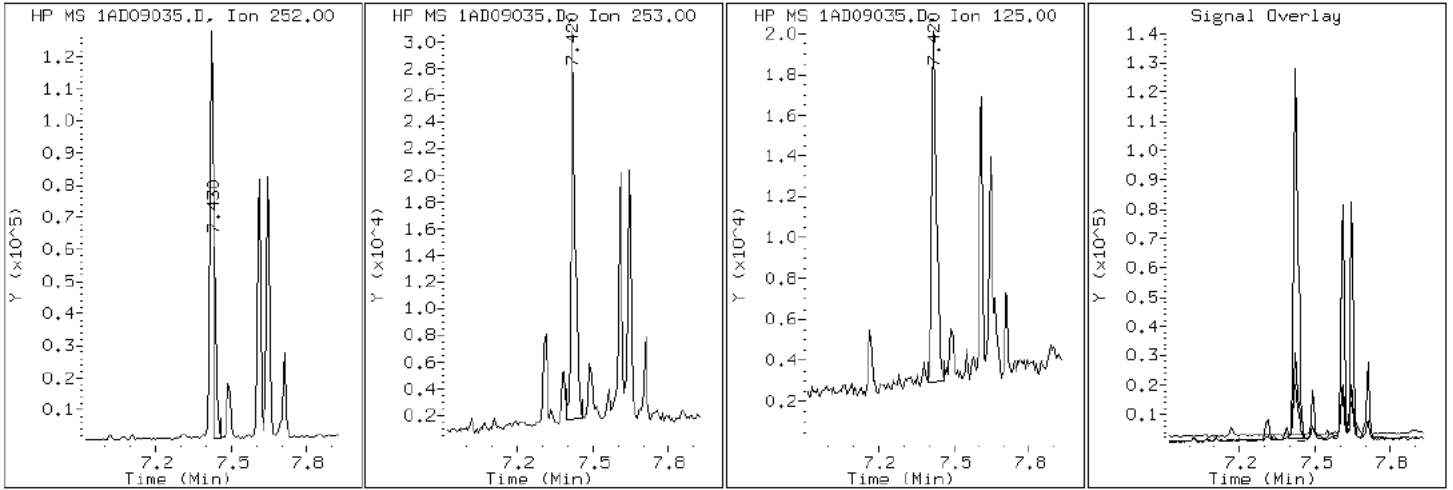
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

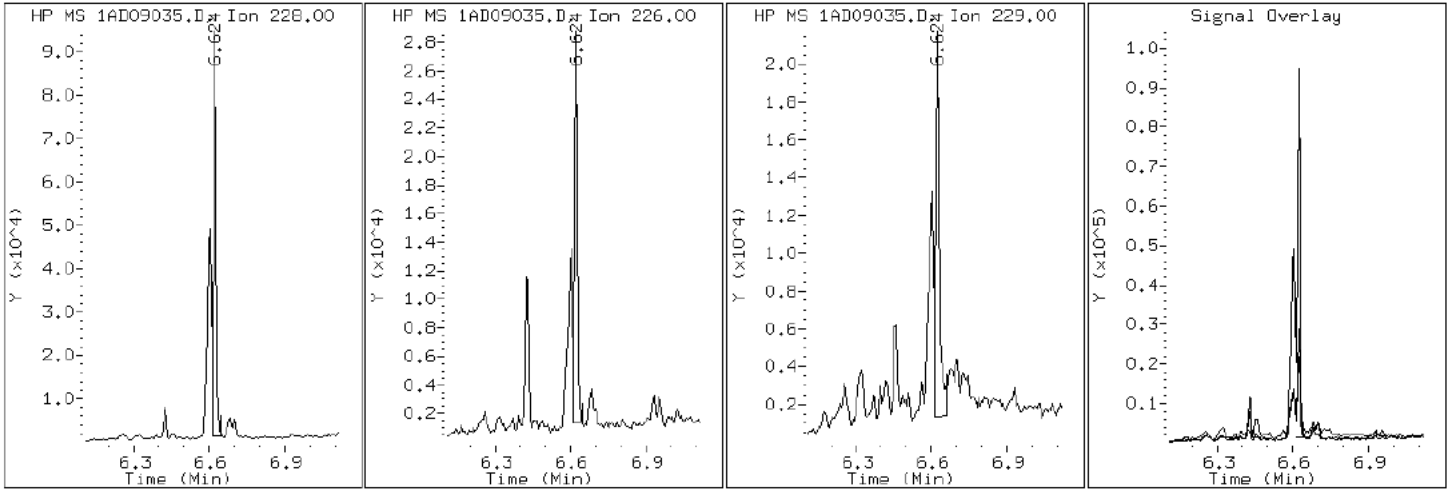
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

19 Chrysene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

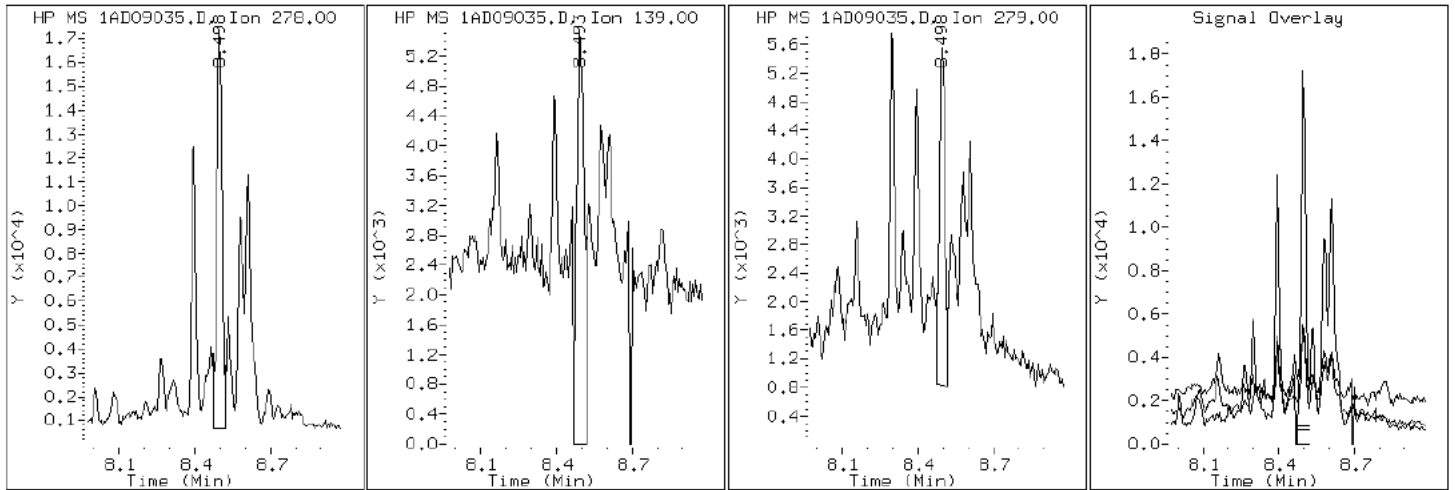
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

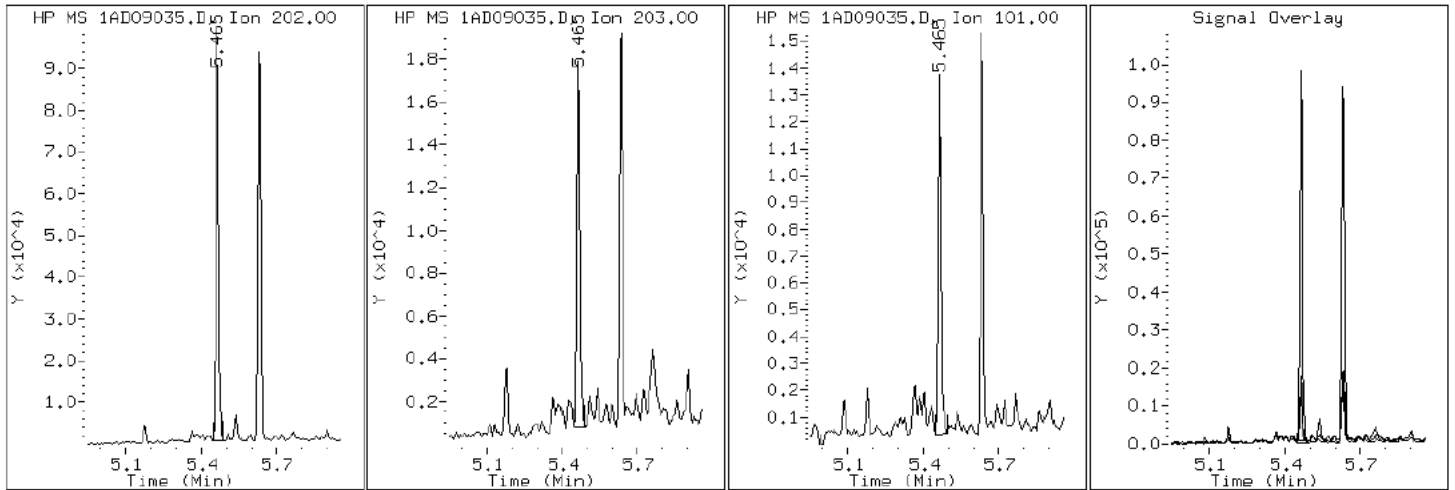
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

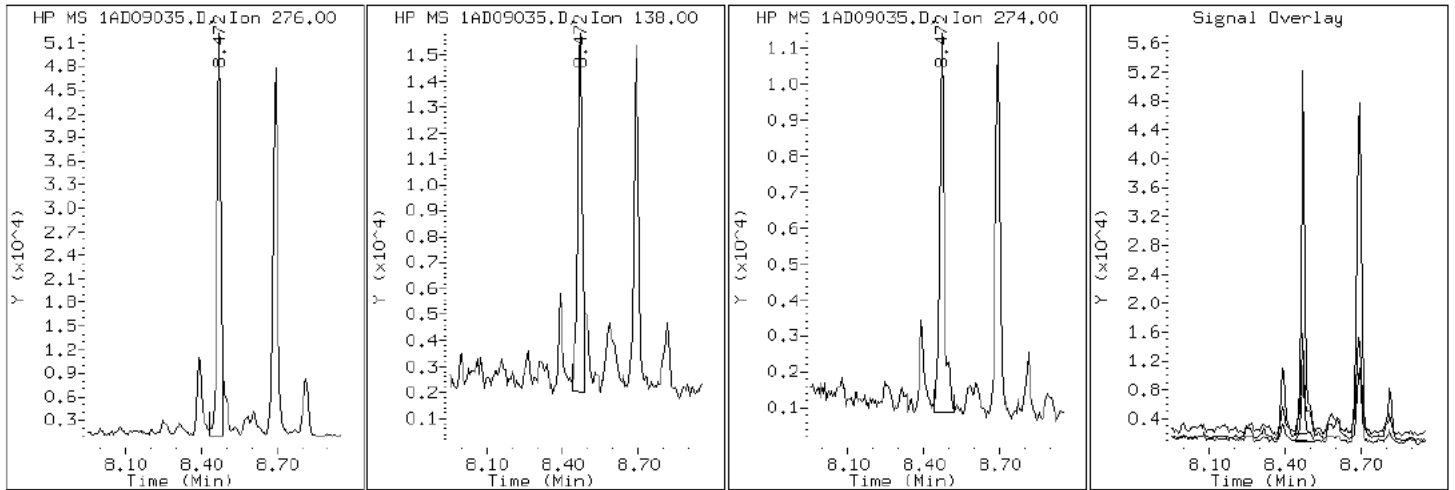
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

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



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

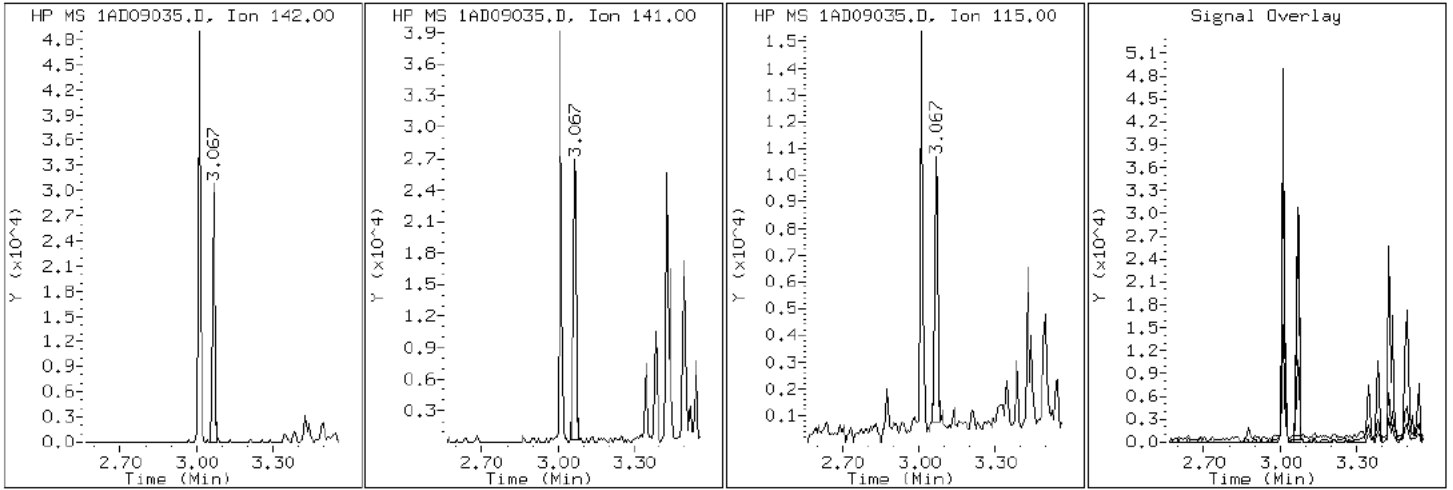
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

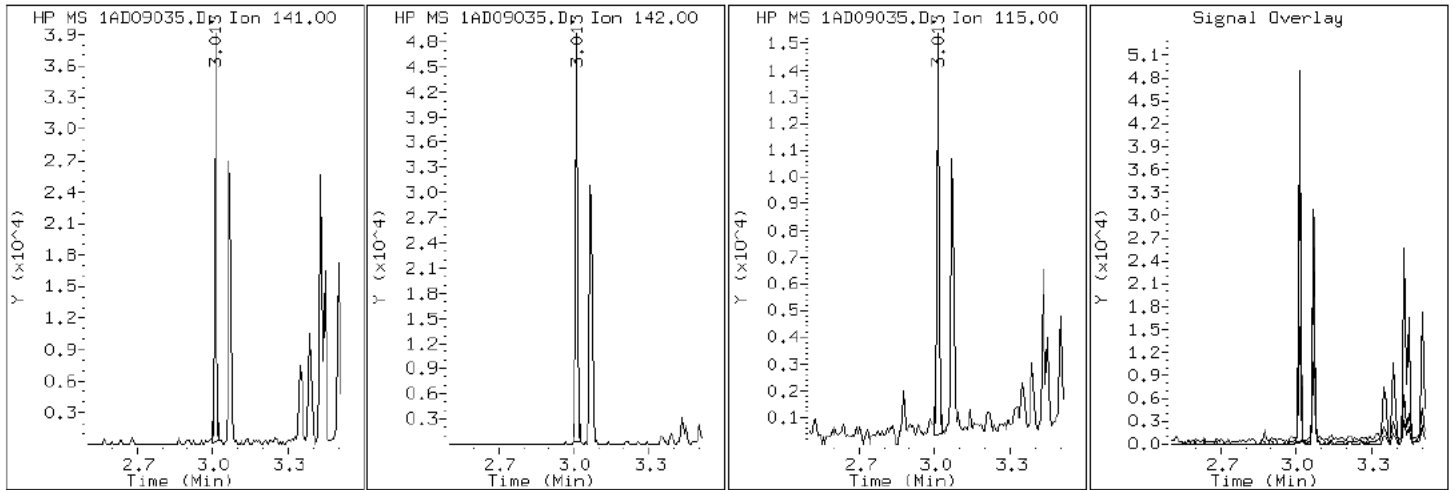
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

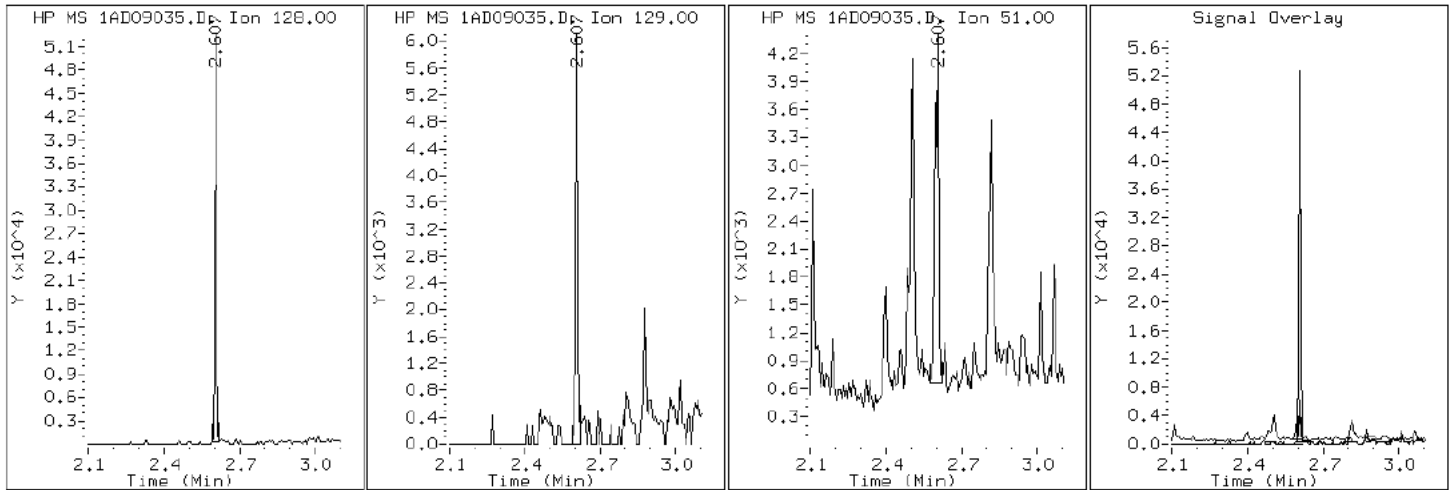
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

2 Naphthalene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

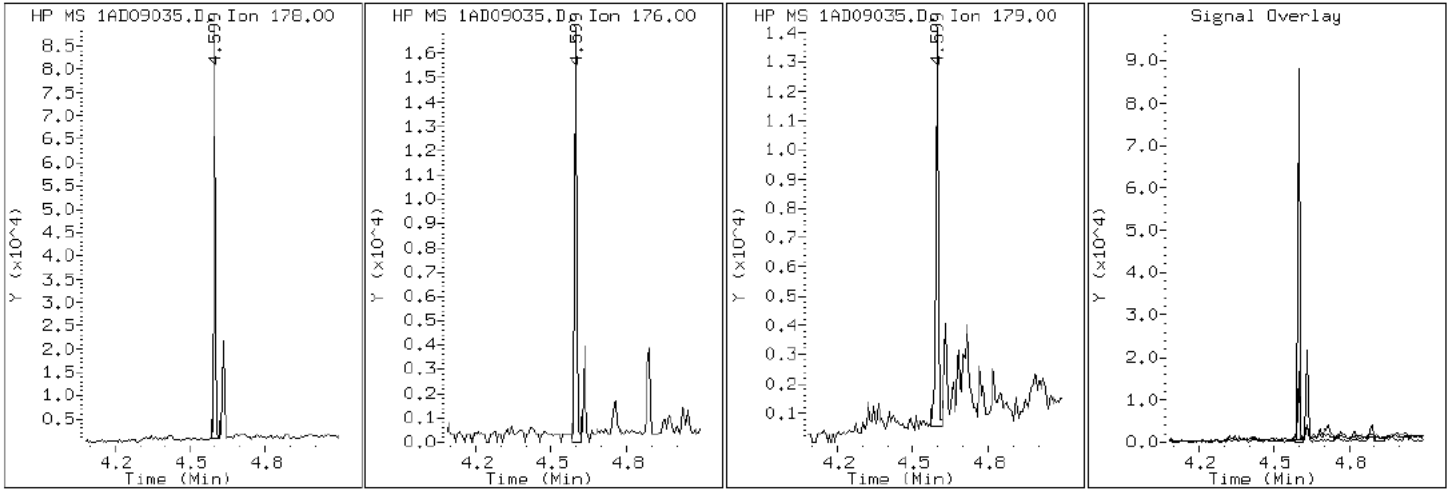
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09035.D

Date: 09-APR-2013 21:49

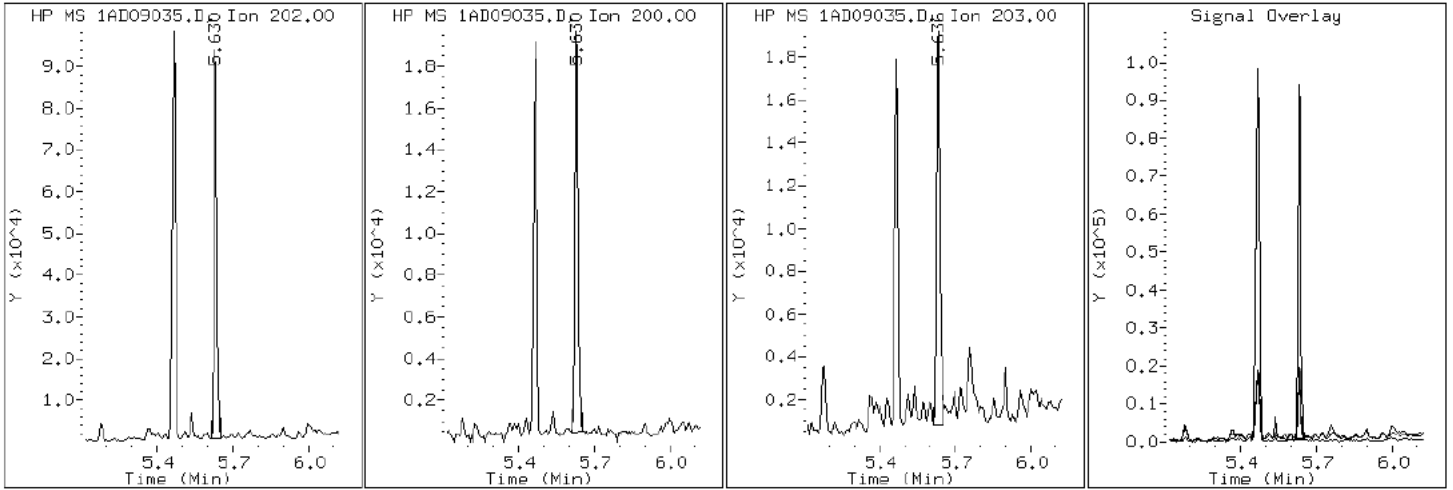
Client ID: CV1140B-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-76-a

Operator: SCC

16 Pyrene

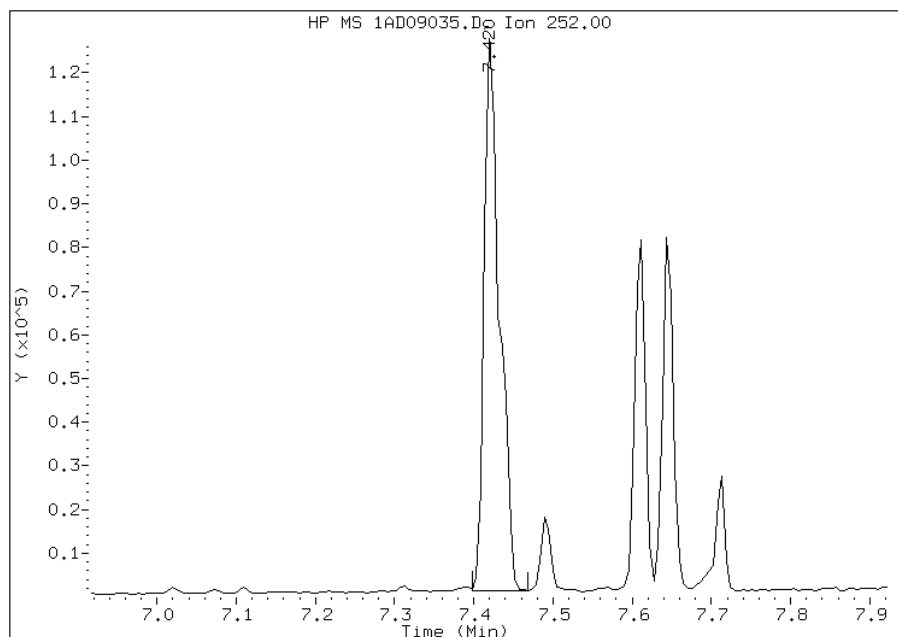


Manual Integration Report

Data File: 1AD09035.D
Inj. Date and Time: 09-APR-2013 21:49
Instrument ID: BSMA5973.i
Client ID: CV1140B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

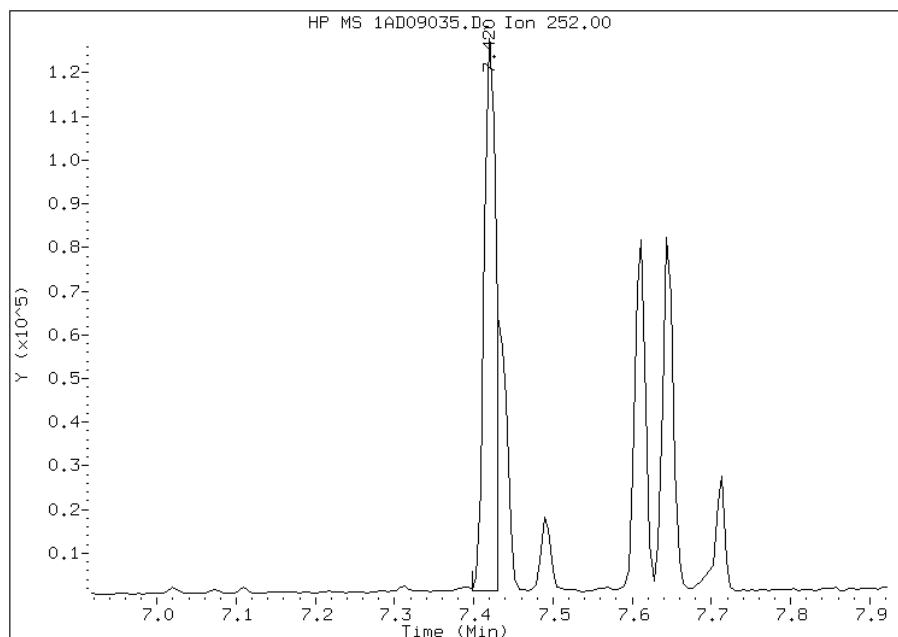
Processing Integration Results

RT: 7.42
Response: 168203
Amount: 3
Conc: 268



Manual Integration Results

RT: 7.42
Response: 130406
Amount: 3
Conc: 208



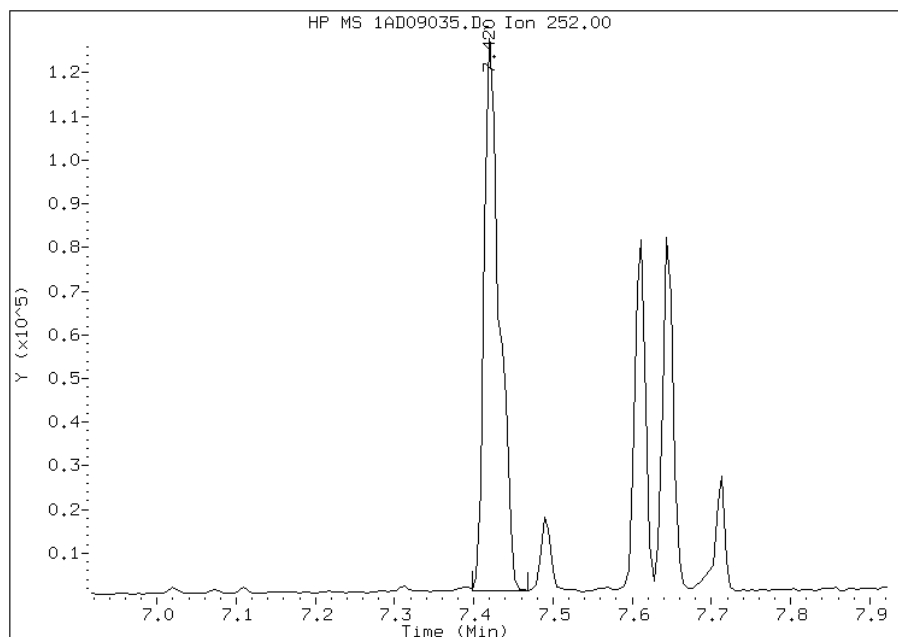
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:23
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09035.D
Inj. Date and Time: 09-APR-2013 21:49
Instrument ID: BSMA5973.i
Client ID: CV1140B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

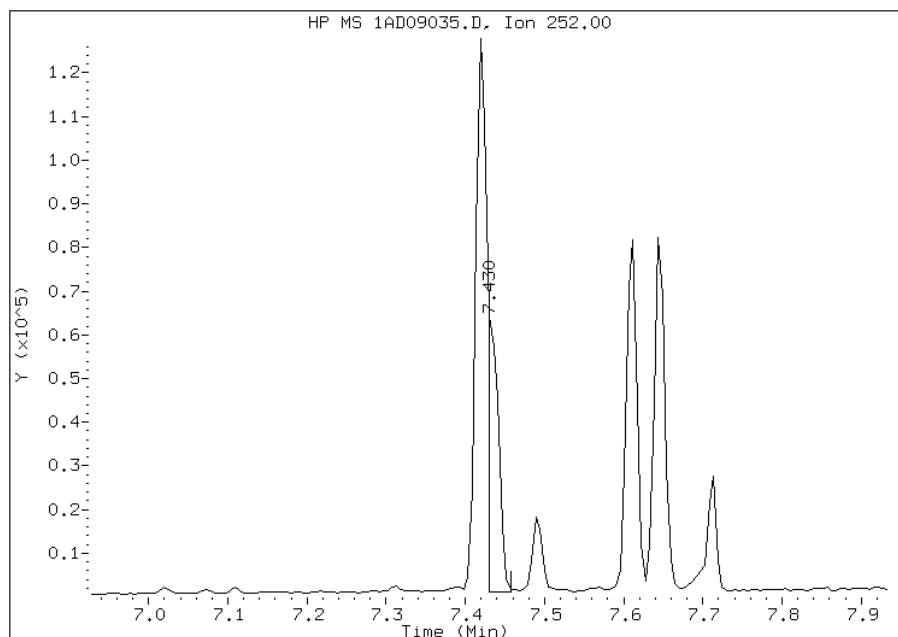
Processing Integration Results

RT: 7.42
Response: 168212
Amount: 3
Conc: 241



Manual Integration Results

RT: 7.43
Response: 58457
Amount: 1
Conc: 84



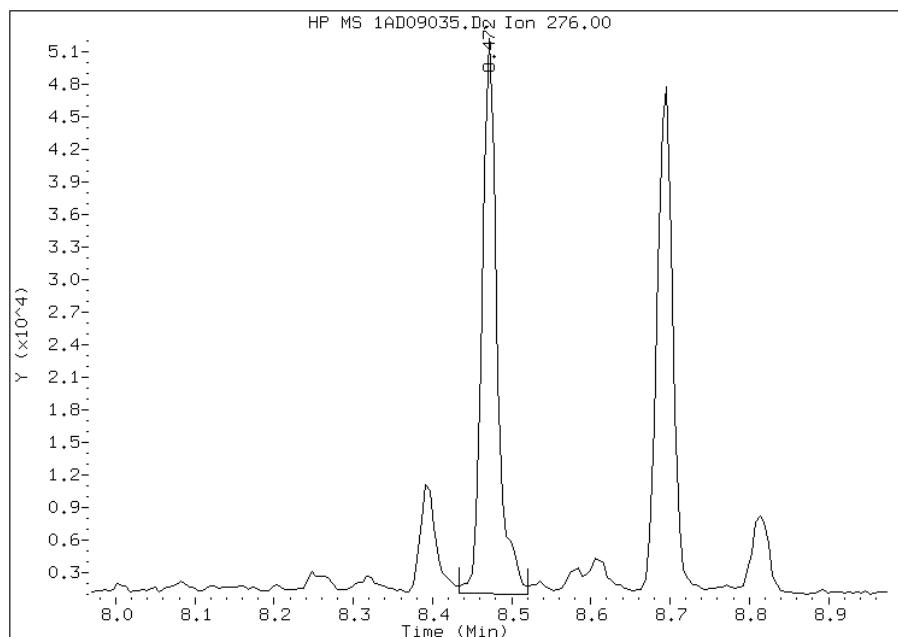
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:23
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09035.D
Inj. Date and Time: 09-APR-2013 21:49
Instrument ID: BSMA5973.i
Client ID: CV1140B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

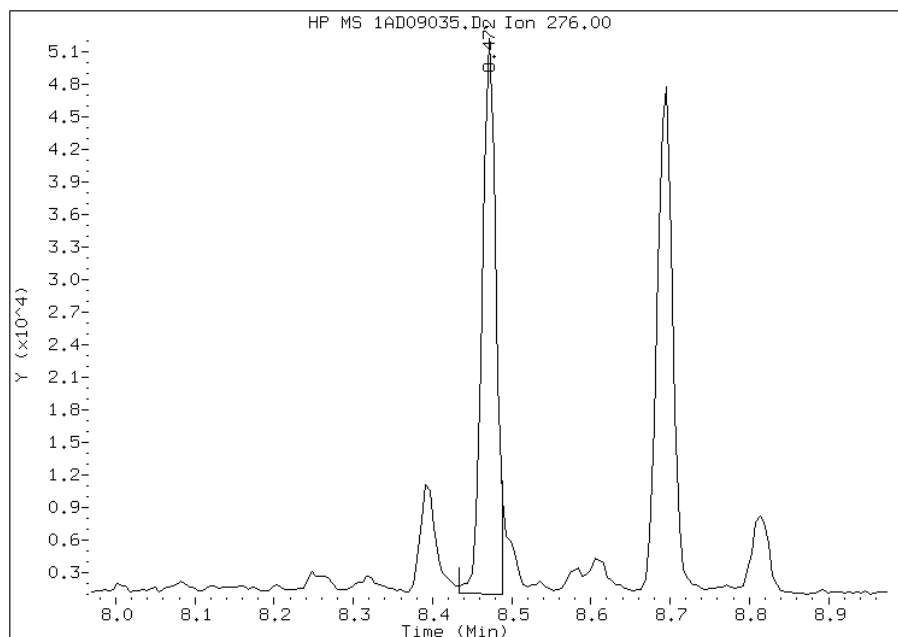
Processing Integration Results

RT: 8.47
Response: 66774
Amount: 2
Conc: 143



Manual Integration Results

RT: 8.47
Response: 61190
Amount: 2
Conc: 134



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:24
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1052A-CS Lab Sample ID: 680-88811-77
 Matrix: Solid Lab File ID: 1AD09036.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:40
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.07(g) Date Analyzed: 04/09/2013 22:04
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.2 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 480 | U | 480 | 96 |
| 208-96-8 | Acenaphthylene | 190 | U | 190 | 24 |
| 120-12-7 | Anthracene | 40 | U | 40 | 20 |
| 56-55-3 | Benzo[a]anthracene | 540 | | 38 | 19 |
| 50-32-8 | Benzo[a]pyrene | 620 | | 50 | 25 |
| 205-99-2 | Benzo[b]fluoranthene | 1600 | | 59 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 960 | | 96 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 490 | | 38 | 17 |
| 218-01-9 | Chrysene | 810 | | 43 | 22 |
| 53-70-3 | Dibenz(a,h)anthracene | 360 | | 96 | 20 |
| 206-44-0 | Fluoranthene | 530 | | 96 | 19 |
| 86-73-7 | Fluorene | 96 | U | 96 | 20 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 970 | | 96 | 34 |
| 90-12-0 | 1-Methylnaphthalene | 150 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 190 | U | 190 | 34 |
| 91-20-3 | Naphthalene | 160 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 320 | | 38 | 19 |
| 129-00-0 | Pyrene | 530 | | 96 | 18 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 66 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09036.D
 Lab Smp Id: 680-88811-A-77-A Client Smp ID: CV1052A-CS
 Inj Date : 09-APR-2013 22:04
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-77-a
 Misc Info : 680-88811-A-77-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 36
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.070 | Weight Extracted |
| M | 17.220 | % 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.599 | 2.591 | (1.000) | 1592759 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.630 | 3.622 | (1.000) | 820524 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.586 | 4.573 | (1.000) | 1262850 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.885 | 4.877 | (1.065) | 46590 | 1.65215 | 529.7502 |
| * 18 Chrysene-d12 | 240 | | 6.610 | 6.597 | (1.000) | 1342180 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.700 | 7.676 | (1.000) | 1554216 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.610 | 2.602 | (1.004) | 12894 | 0.49819 | 159.7418 |
| 4 1-Methylnaphthalene | 142 | | 3.069 | 3.062 | (1.181) | 9543 | 0.48259 | 154.7377 |
| 11 Phenanthrene | 178 | | 4.596 | 4.589 | (1.002) | 43047 | 1.00129 | 321.0575 |
| 13 Carbazole | 167 | | 4.762 | 4.755 | (1.038) | 6351 | 0.19516 | 62.5762 |
| 15 Fluoranthene | 202 | | 5.467 | 5.454 | (1.192) | 90983 | 1.64363 | 527.0162 |
| 16 Pyrene | 202 | | 5.633 | 5.620 | (0.852) | 85569 | 1.65447 | 530.4927 |
| 17 Benzo(a)anthracene | 228 | | 6.599 | 6.581 | (0.998) | 74801 | 1.67075 | 535.7119 |
| 19 Chrysene | 228 | | 6.626 | 6.613 | (1.002) | 115224 | 2.52343 | 809.1194 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 20 Benzo(b)fluoranthene | 252 | 7.422 | 7.404 | (0.964) | 237967 | 5.04953 | 1619.0938(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.433 | 7.425 | (0.965) | 80000 | 1.52843 | 490.0807(QM) |
| 22 Benzo(a)pyrene | 252 | 7.646 | 7.628 | (0.993) | 124509 | 1.93312 | 619.8412 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.469 | 8.451 | (1.100) | 117183 | 3.01139 | 965.5782(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.495 | 8.477 | (1.103) | 44000 | 1.11980 | 359.0543 |
| 26 Benzo(g,h,i)perylene | 276 | 8.693 | 8.670 | (1.129) | 127393 | 3.00942 | 964.9487 |

QC Flag Legend

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

Data File: 1AD09036.D

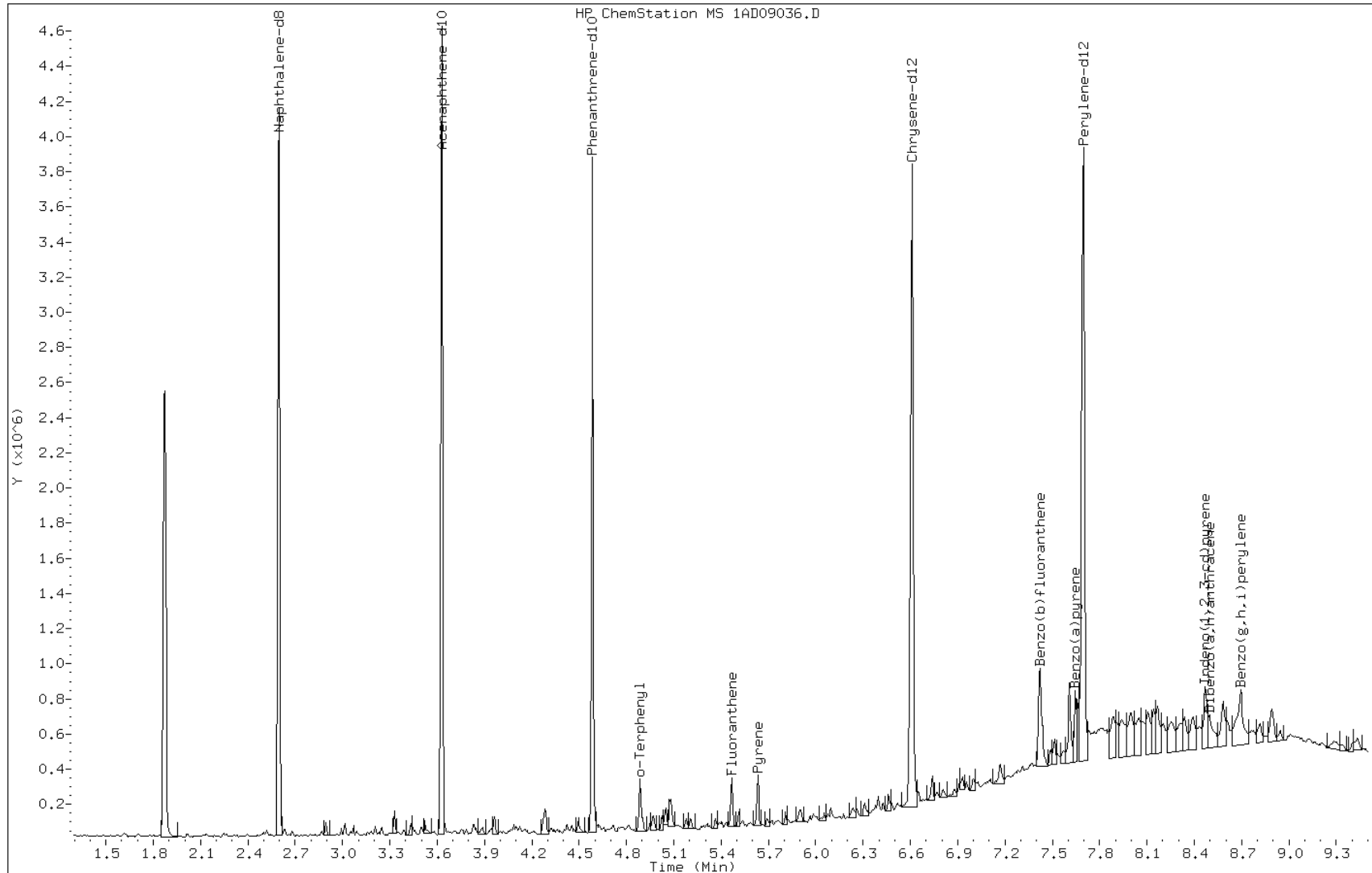
Date: 09-APR-2013 22:04

Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

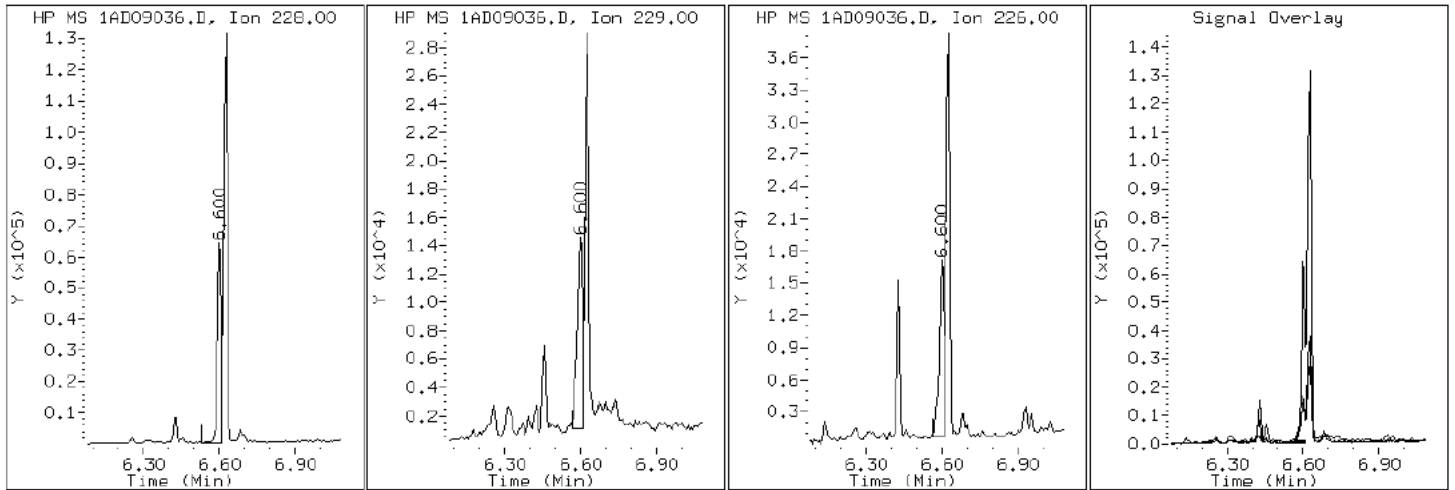
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

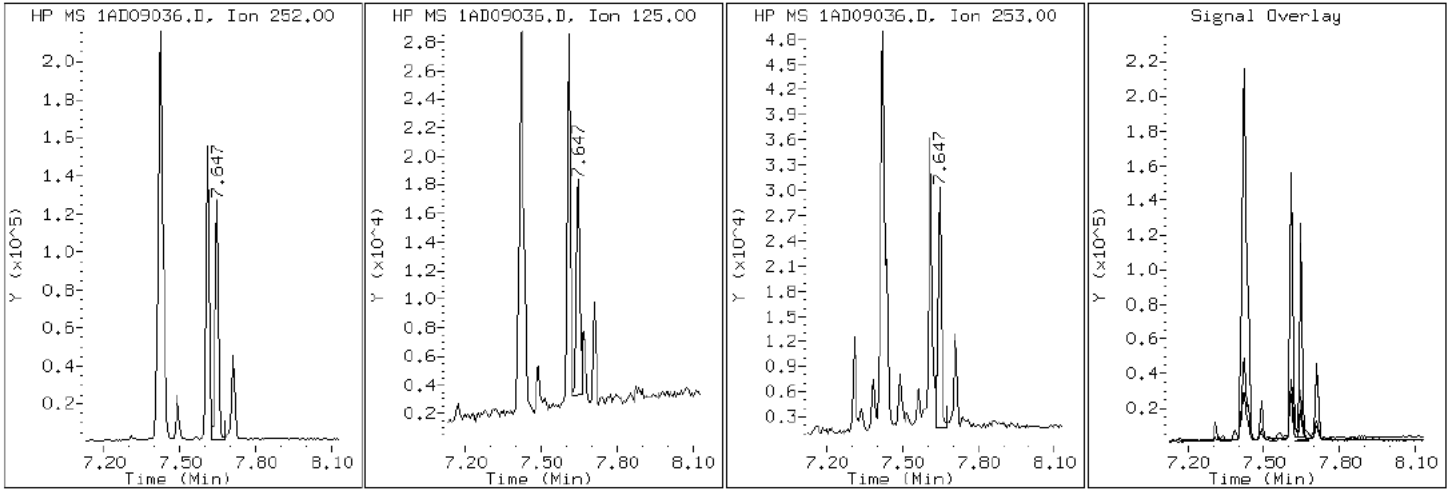
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

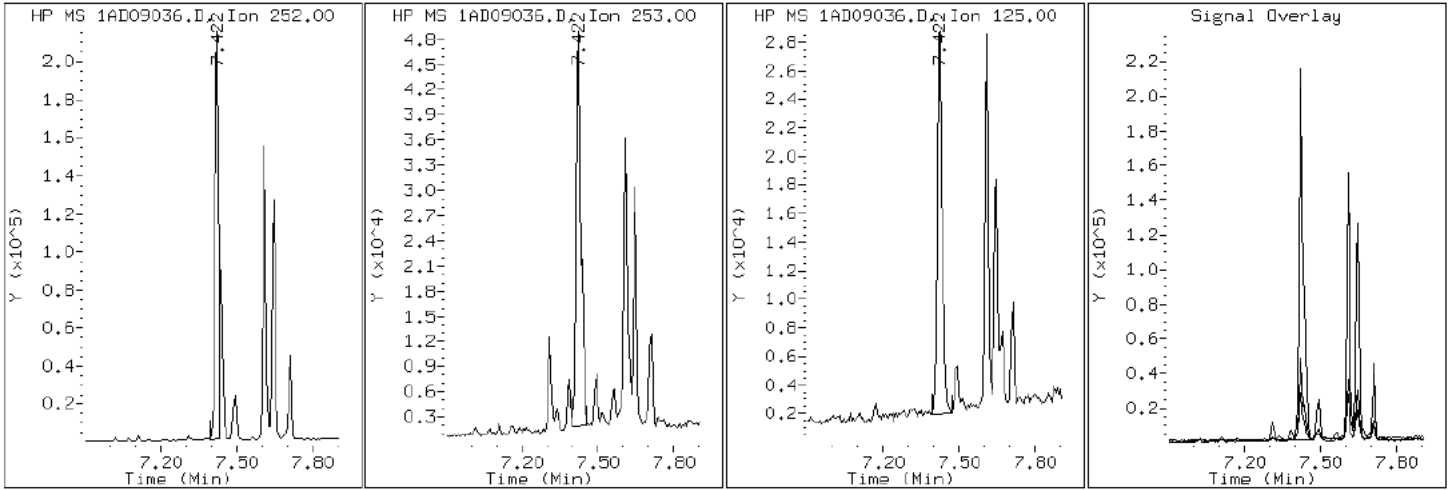
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

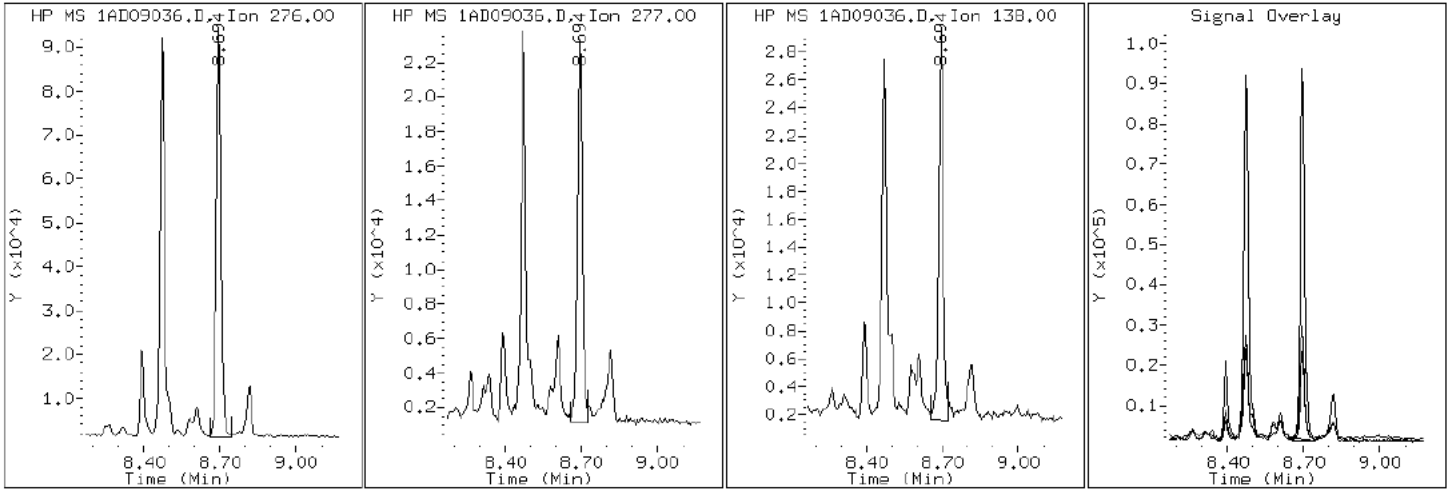
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

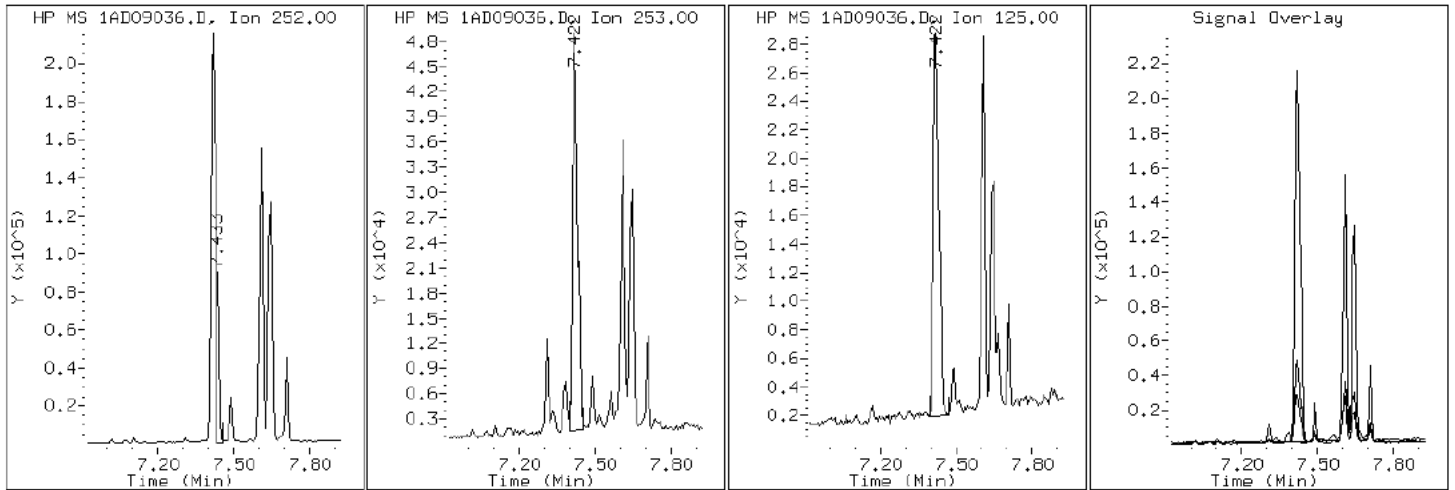
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

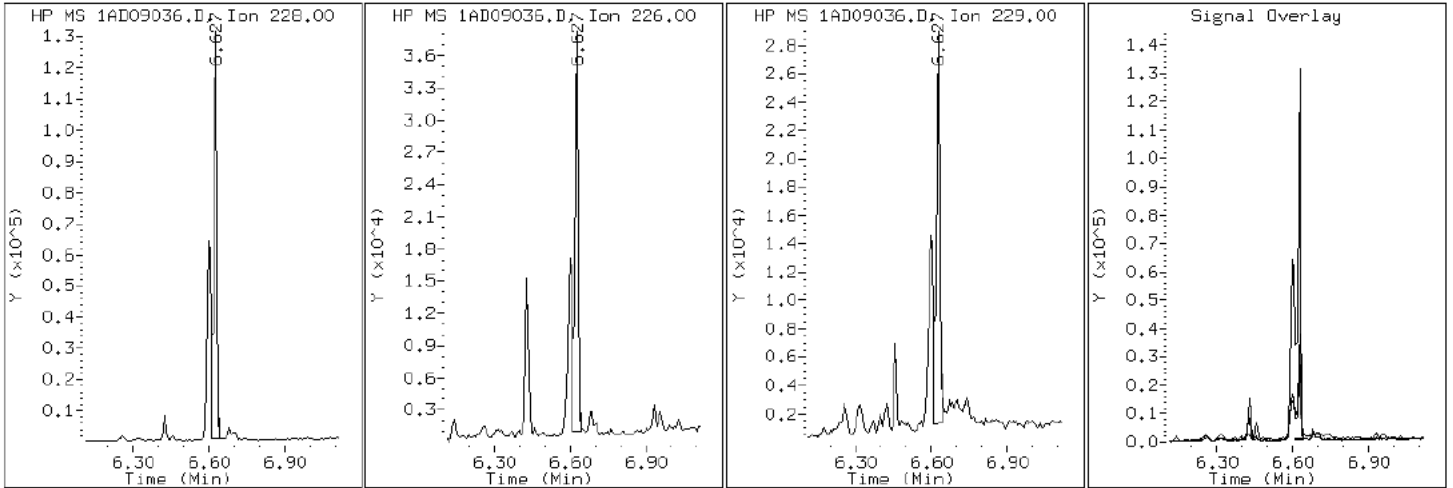
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

19 Chrysene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

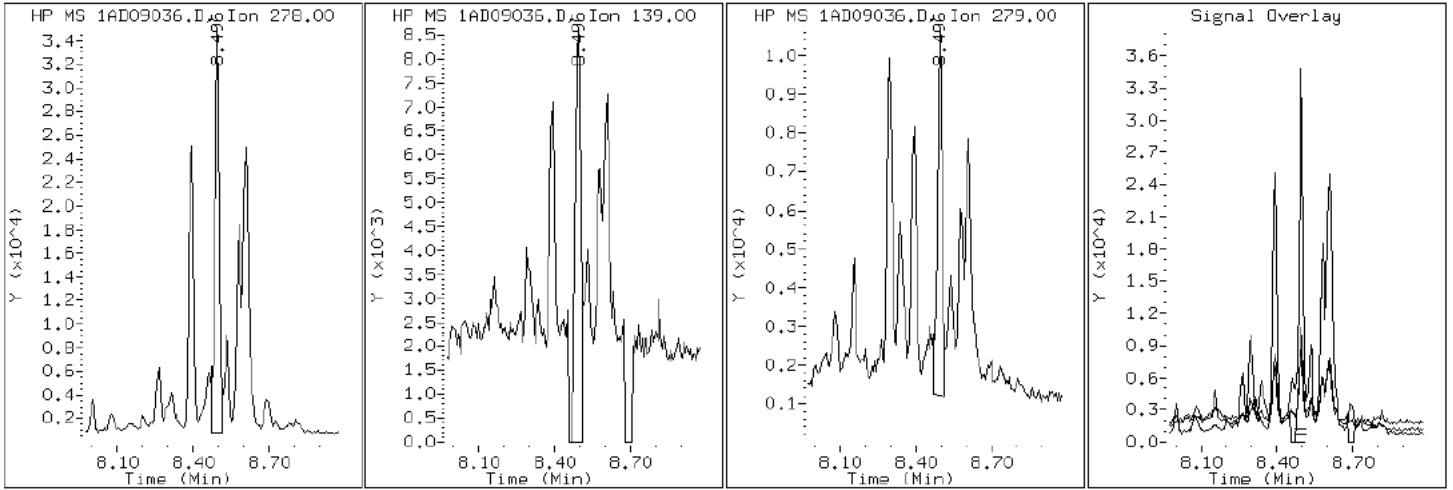
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

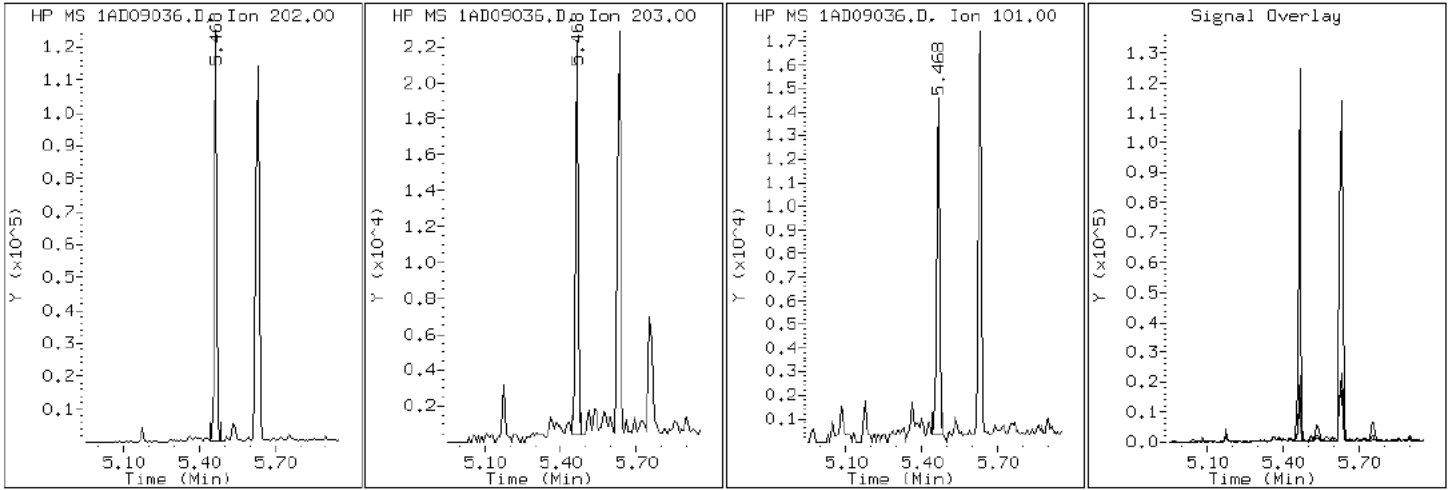
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

15 Fluoranthene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

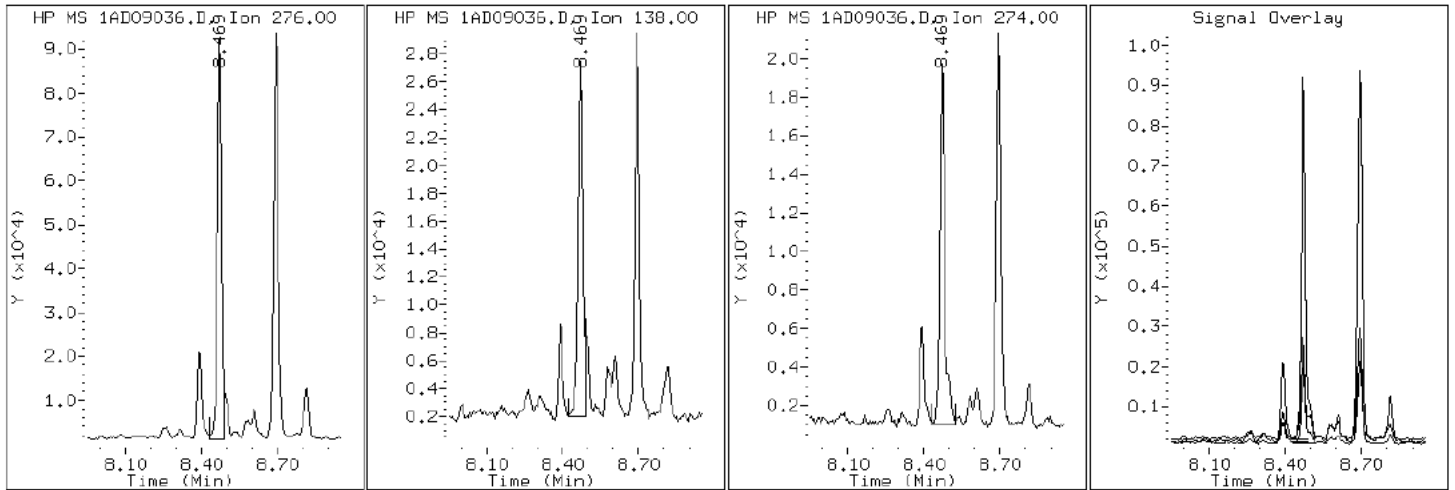
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

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



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

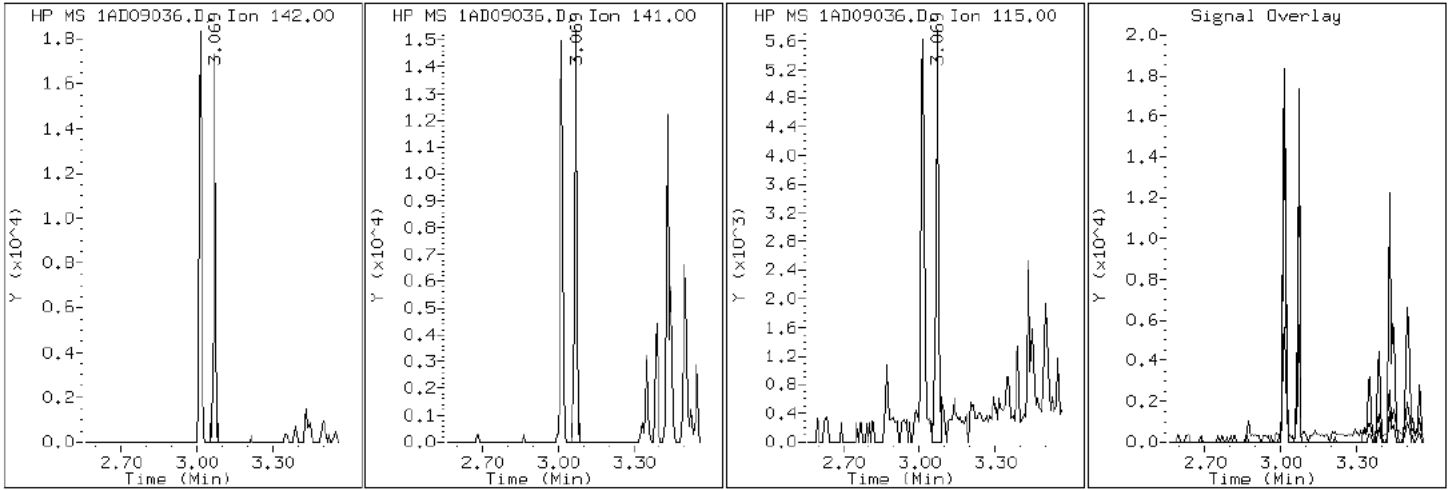
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

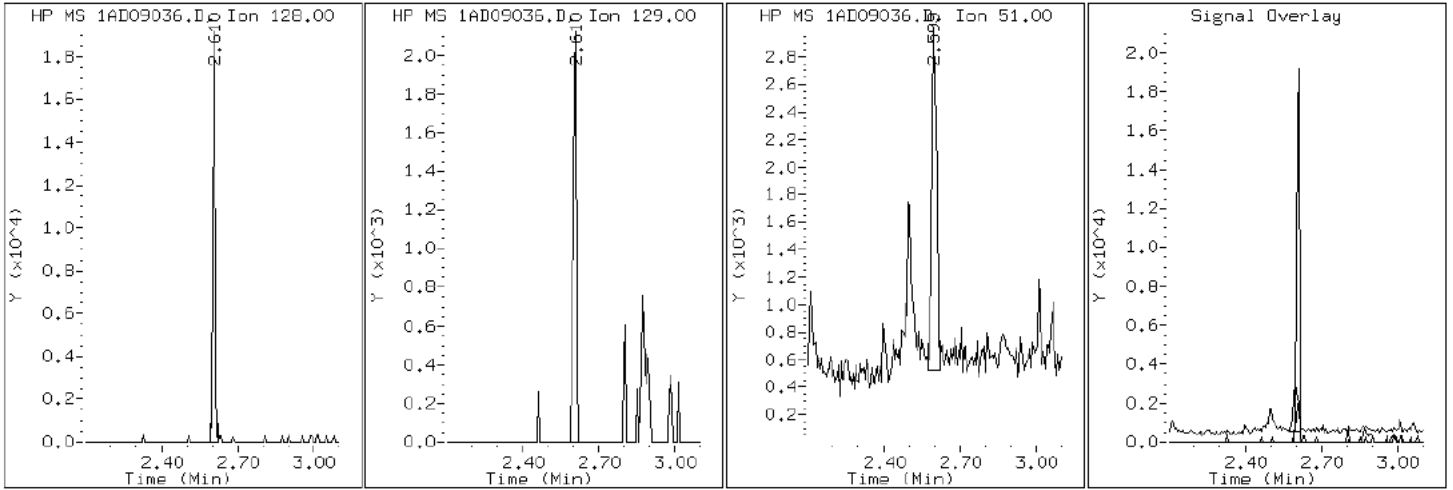
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

2 Naphthalene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

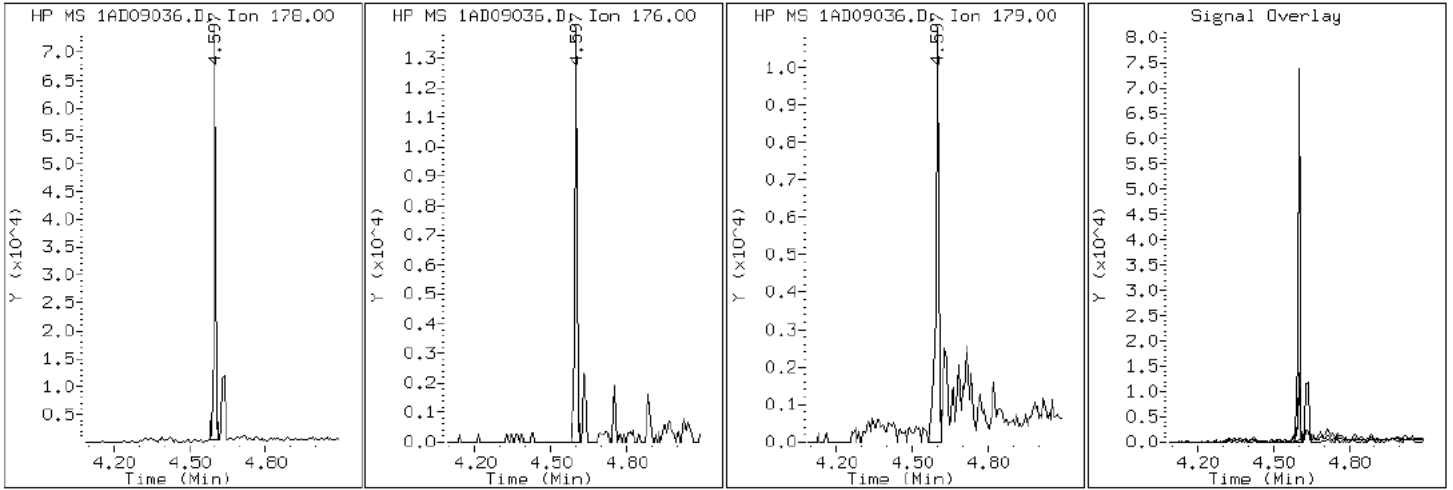
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

11 Phenanthrene



Data File: 1AD09036.D

Date: 09-APR-2013 22:04

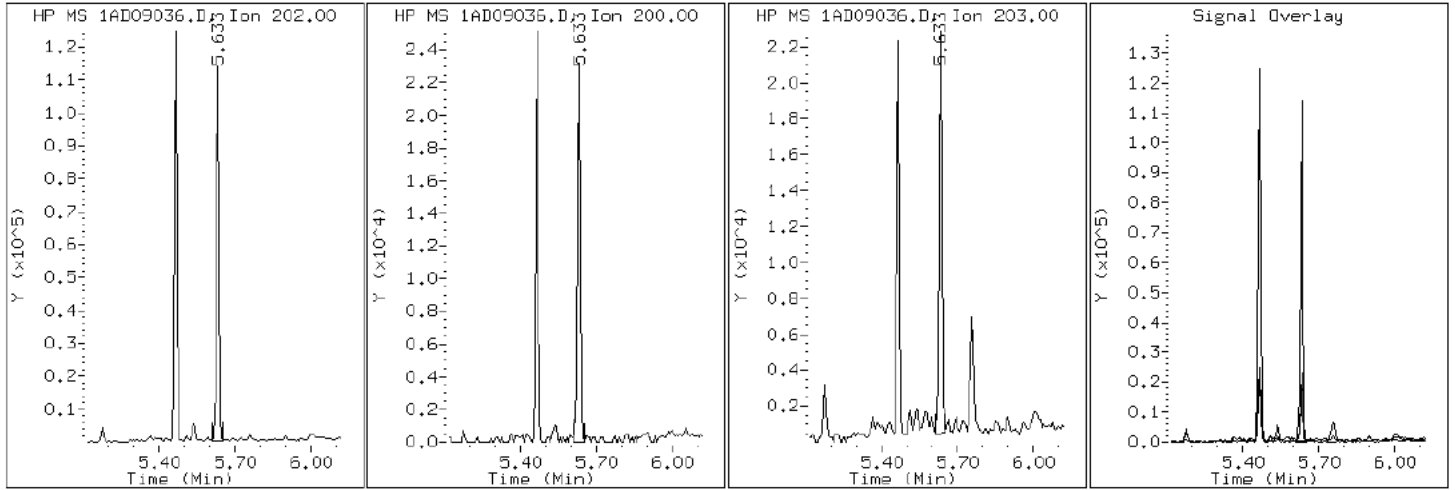
Client ID: CV1052A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-77-a

Operator: SCC

16 Pyrene

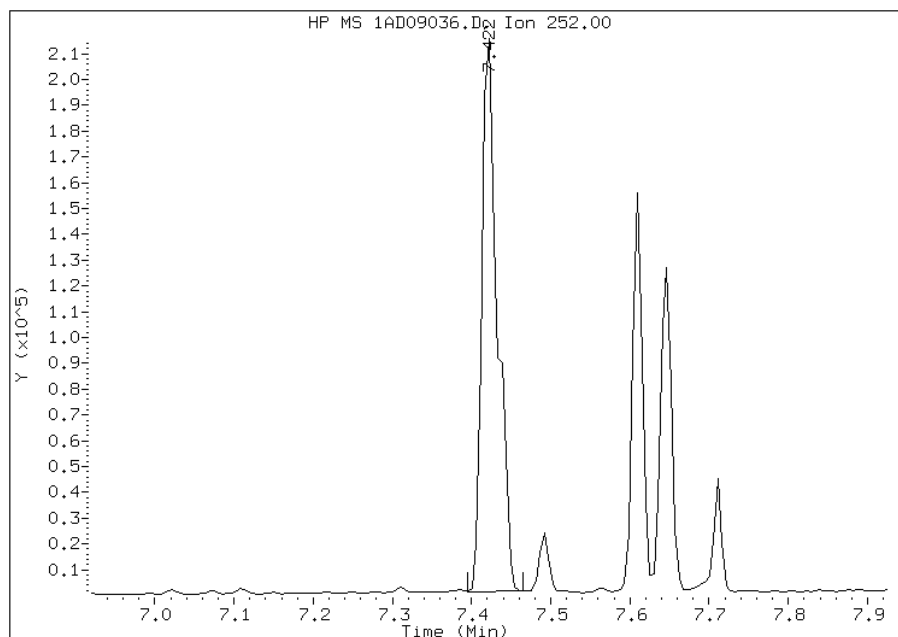


Manual Integration Report

Data File: 1AD09036.D
Inj. Date and Time: 09-APR-2013 22:04
Instrument ID: BSMA5973.i
Client ID: CV1052A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

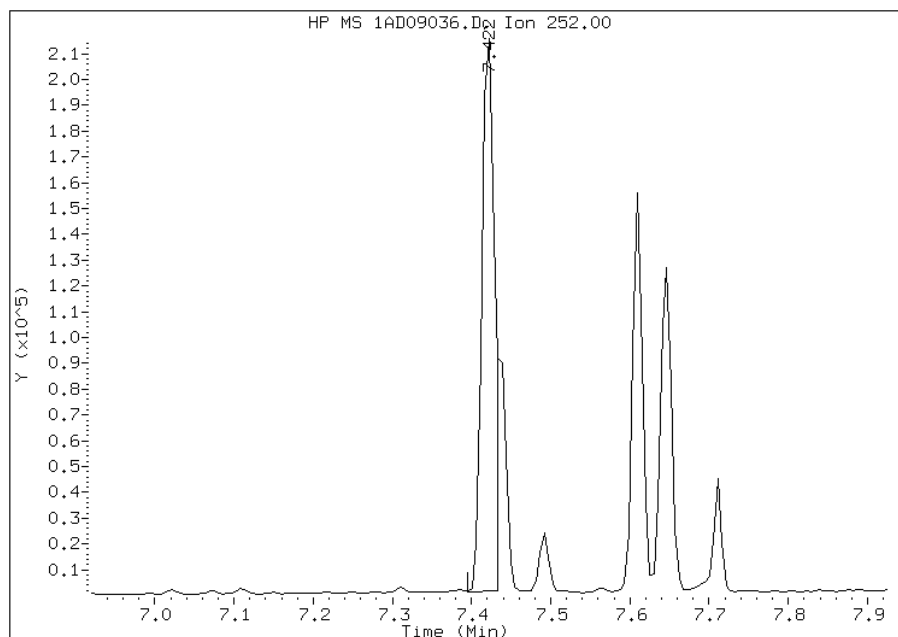
Processing Integration Results

RT: 7.42
Response: 287464
Amount: 6
Conc: 1956



Manual Integration Results

RT: 7.42
Response: 237967
Amount: 5
Conc: 1619



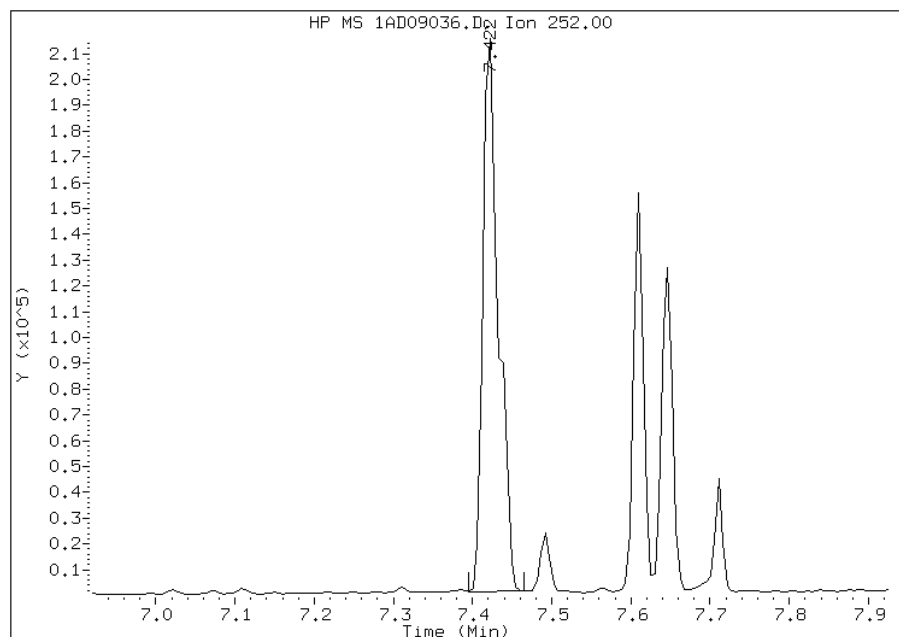
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:24
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD09036.D
Inj. Date and Time: 09-APR-2013 22:04
Instrument ID: BSMA5973.i
Client ID: CV1052A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

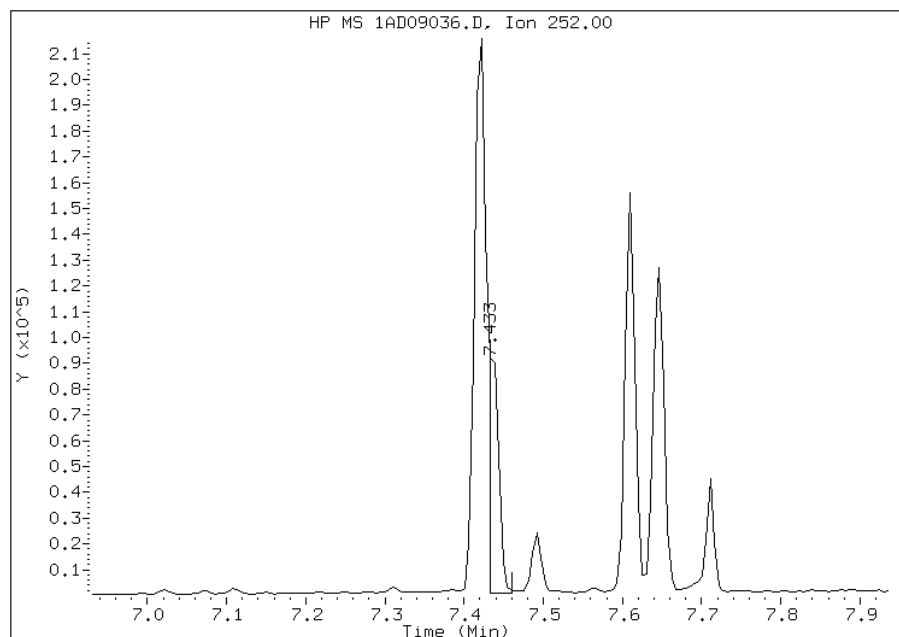
Processing Integration Results

RT: 7.42
Response: 287462
Amount: 5
Conc: 1761



Manual Integration Results

RT: 7.43
Response: 80000
Amount: 2
Conc: 490



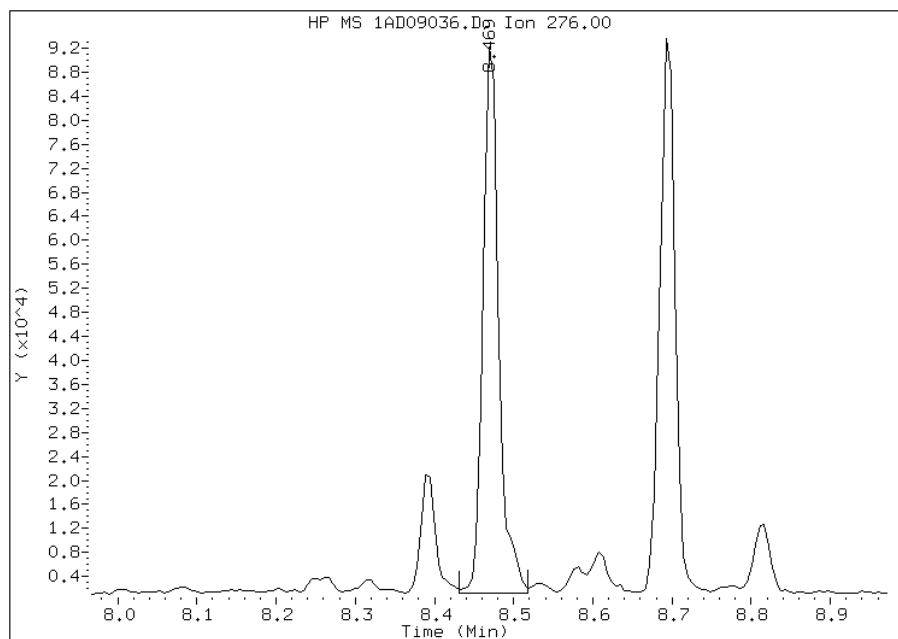
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:24
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09036.D
Inj. Date and Time: 09-APR-2013 22:04
Instrument ID: BSMA5973.i
Client ID: CV1052A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

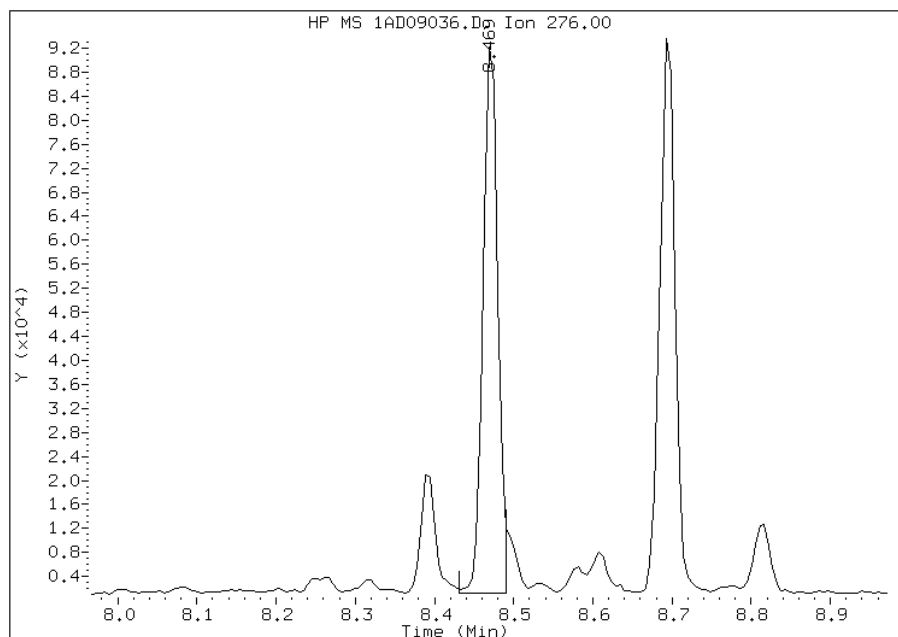
Processing Integration Results

RT: 8.47
Response: 124397
Amount: 3
Conc: 1017



Manual Integration Results

RT: 8.47
Response: 117183
Amount: 3
Conc: 966



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:24
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1052B-CS Lab Sample ID: 680-88811-78
 Matrix: Solid Lab File ID: 1CD10008.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:50
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.30 (g) Date Analyzed: 04/10/2013 13:42
 Con. Extract Vol.: 1 (mL) Dilution Factor: 4
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 15.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136309 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 470 | U | 470 | 93 |
| 208-96-8 | Acenaphthylene | 36 | J | 190 | 23 |
| 120-12-7 | Anthracene | 42 | | 39 | 20 |
| 56-55-3 | Benzo[a]anthracene | 340 | | 37 | 18 |
| 50-32-8 | Benzo[a]pyrene | 270 | | 48 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 530 | | 57 | 28 |
| 191-24-2 | Benzo[g,h,i]perylene | 330 | | 93 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 240 | | 37 | 17 |
| 218-01-9 | Chrysene | 350 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 120 | | 93 | 19 |
| 206-44-0 | Fluoranthene | 360 | | 93 | 19 |
| 86-73-7 | Fluorene | 93 | U | 93 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 350 | | 93 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 68 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 71 | J | 190 | 33 |
| 91-20-3 | Naphthalene | 48 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 220 | | 37 | 18 |
| 129-00-0 | Pyrene | 320 | | 93 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 69 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\1CD10008.D
 Lab Smp Id: 680-88811-A-78-A Client Smp ID: CV1052B-CS
 Inj Date : 10-APR-2013 13:42
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88811-a-78-a
 Misc Info : 680-88811-A-78-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:25 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 8
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.300 | Weight Extracted |
| M | 15.888 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 3.680 | 3.680 | (1.000) | 377917 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 4.768 | 4.768 | (1.000) | 271174 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 5.710 | 5.710 | (1.000) | 508223 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 5.962 | 5.963 | (1.044) | 8268 | 1.72207 | 535.2562 | |
| * 18 Chrysene-d12 | 240 | | 7.645 | 7.645 | (1.000) | 602713 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 8.803 | 8.809 | (1.000) | 597275 | 40.0000 | | |
| 2 Naphthalene | 128 | | 3.692 | 3.692 | (1.003) | 1489 | 0.15340 | 47.6795(Q) | |
| 3 2-Methylnaphthalene | 142 | | 4.116 | 4.121 | (1.118) | 1504 | 0.22762 | 70.7488(Q) | |
| 4 1-Methylnaphthalene | 142 | | 4.180 | 4.180 | (1.136) | 1294 | 0.21764 | 67.6483(Q) | |
| 5 Acenaphthylene | 152 | | 4.674 | 4.680 | (0.980) | 1297 | 0.11556 | 35.9196 | |
| 11 Phenanthrene | 178 | | 5.727 | 5.727 | (1.003) | 10515 | 0.71039 | 220.8025 | |
| 12 Anthracene | 178 | | 5.762 | 5.763 | (1.009) | 2028 | 0.13516 | 42.0097 | |
| 13 Carbazole | 167 | | 5.868 | 5.868 | (1.028) | 1448 | 0.11264 | 35.0105(Q) | |
| 15 Fluoranthene | 202 | | 6.557 | 6.557 | (1.148) | 19077 | 1.16702 | 362.7343 | |

| Compounds | QUANT SIG | | | | | | CONCENTRATIONS | |
|---------------------------|-----------|--|--------|--------|---------|----------|----------------------|------------------|
| | MASS | | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | | ---- | ----- | ----- | ----- | ----- | |
| 16 Pyrene | 202 | | 6.727 | 6.727 | (0.880) | 17011 | 1.01889 316.6921 | |
| 17 Benzo(a)anthracene | 228 | | 7.639 | 7.639 | (0.999) | 16762 | 1.09546 340.4900 | |
| 19 Chrysene | 228 | | 7.662 | 7.668 | (1.002) | 19514 | 1.13621 353.1565 | |
| 20 Benzo(b)fluoranthene | 252 | | 8.468 | 8.474 | (0.962) | 28604 | 1.69400 526.5303(M) | |
| 21 Benzo(k)fluoranthene | 252 | | 8.480 | 8.498 | (0.963) | 12379 | 0.75799 235.5997(M) | |
| 22 Benzo(a)pyrene | 252 | | 8.751 | 8.756 | (0.994) | 13873 | 0.87267 271.2423 | |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 9.927 | 9.939 | (1.128) | 17212 | 1.13991 354.3084(M) | |
| 25 Dibenzo(a,h)anthracene | 278 | | 9.950 | 9.950 | (1.130) | 5198 | 0.37266 115.8311(M) | |
| 26 Benzo(g,h,i)perylene | 276 | | 10.268 | 10.280 | (1.166) | 16516 | 1.07172 333.1127 | |

QC Flag Legend

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

Data File: 1CD10008.D

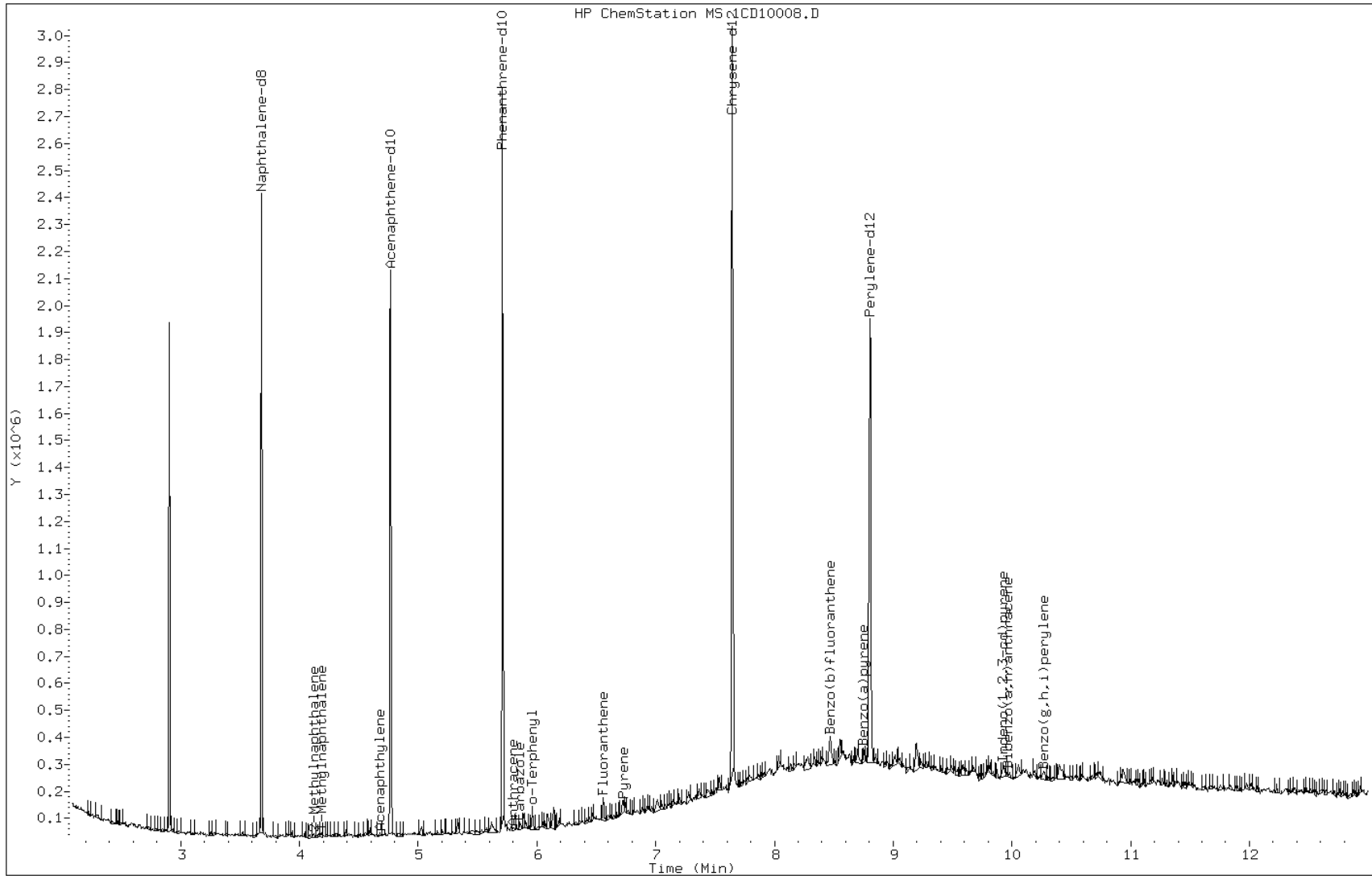
Date: 10-APR-2013 13:42

Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

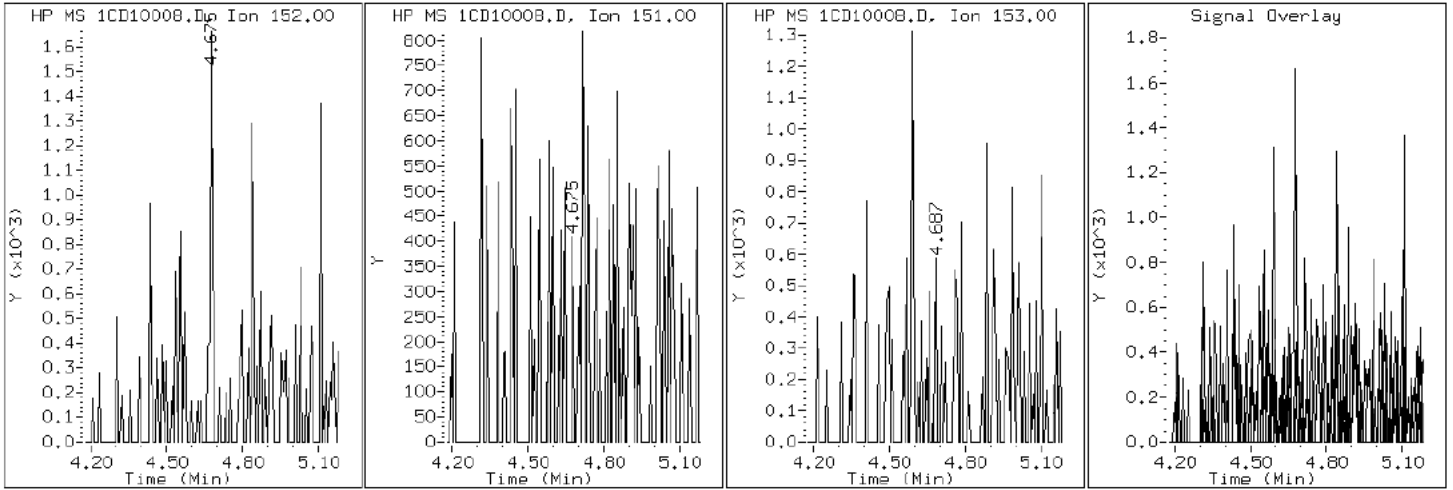
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

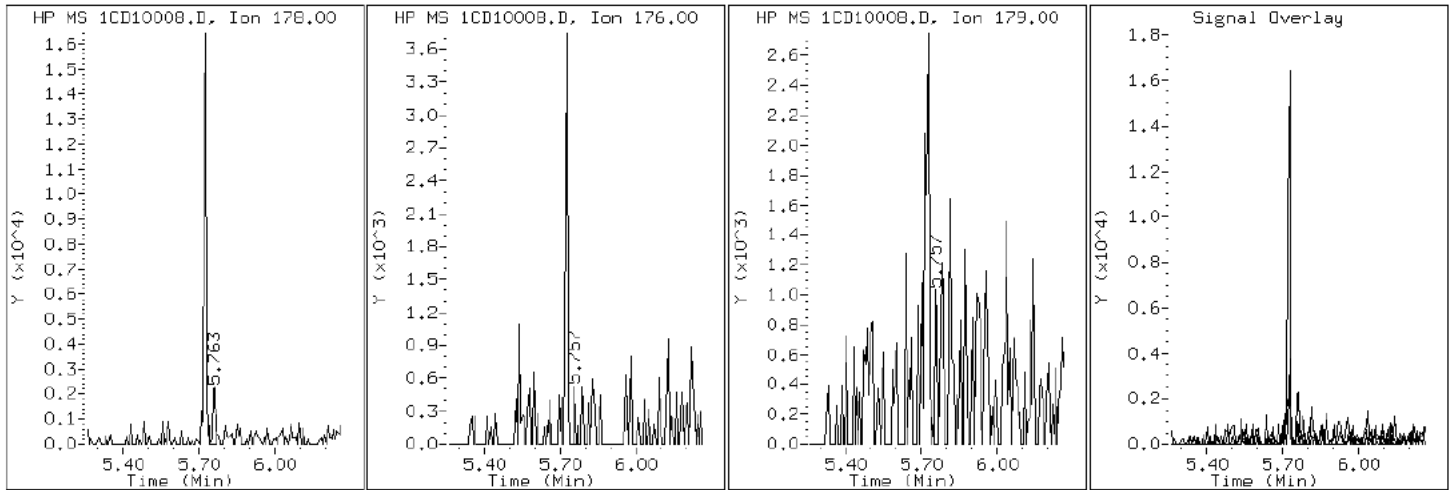
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

12 Anthracene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

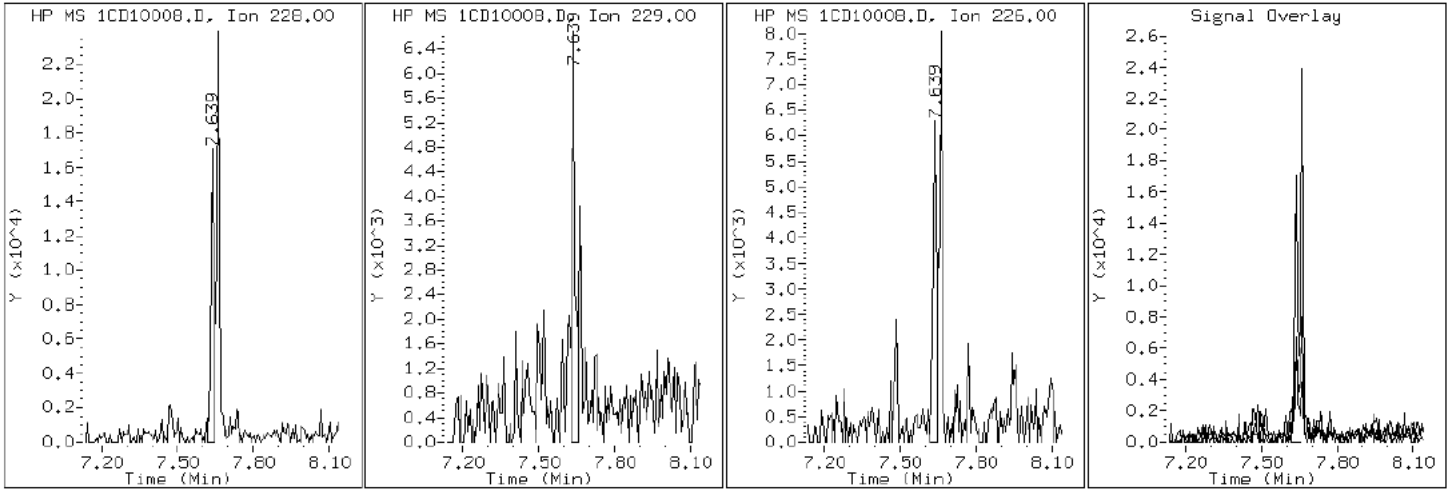
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

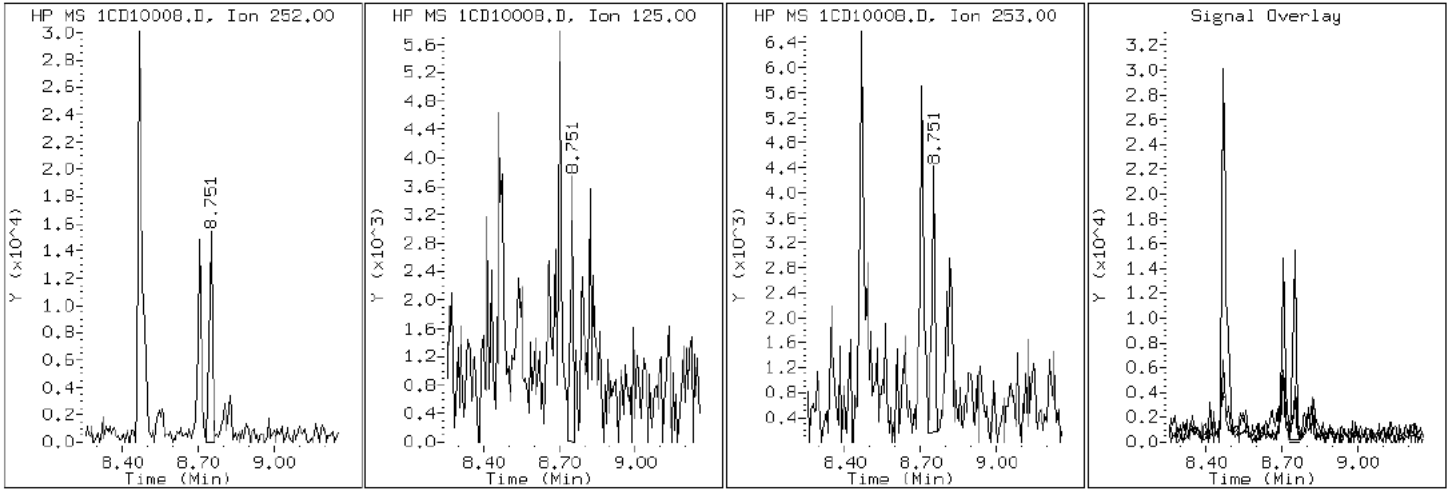
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

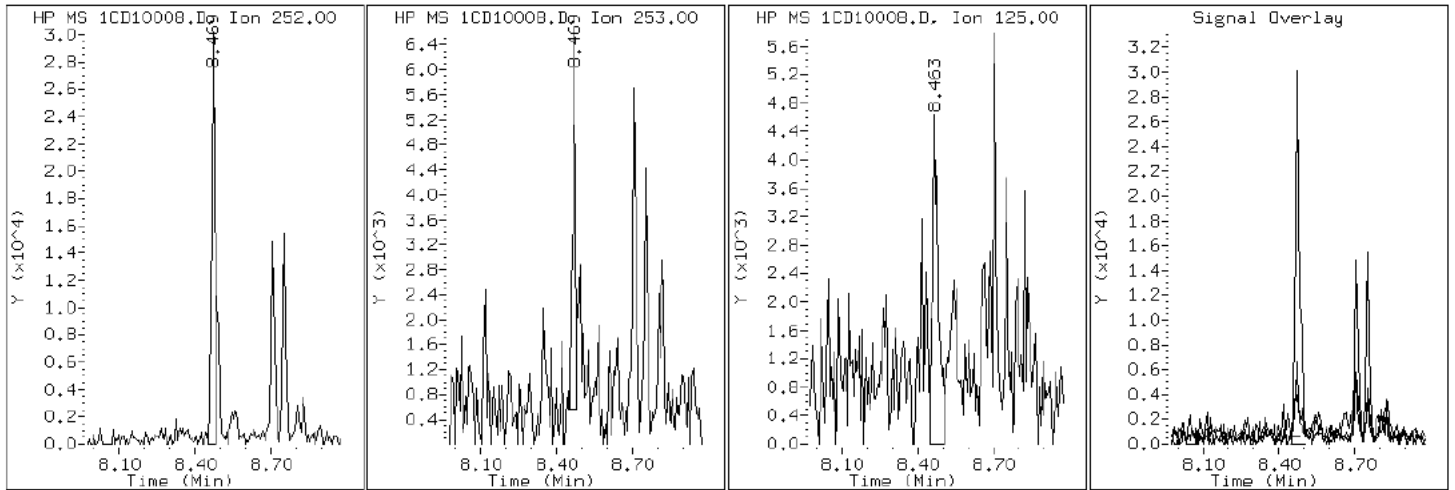
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

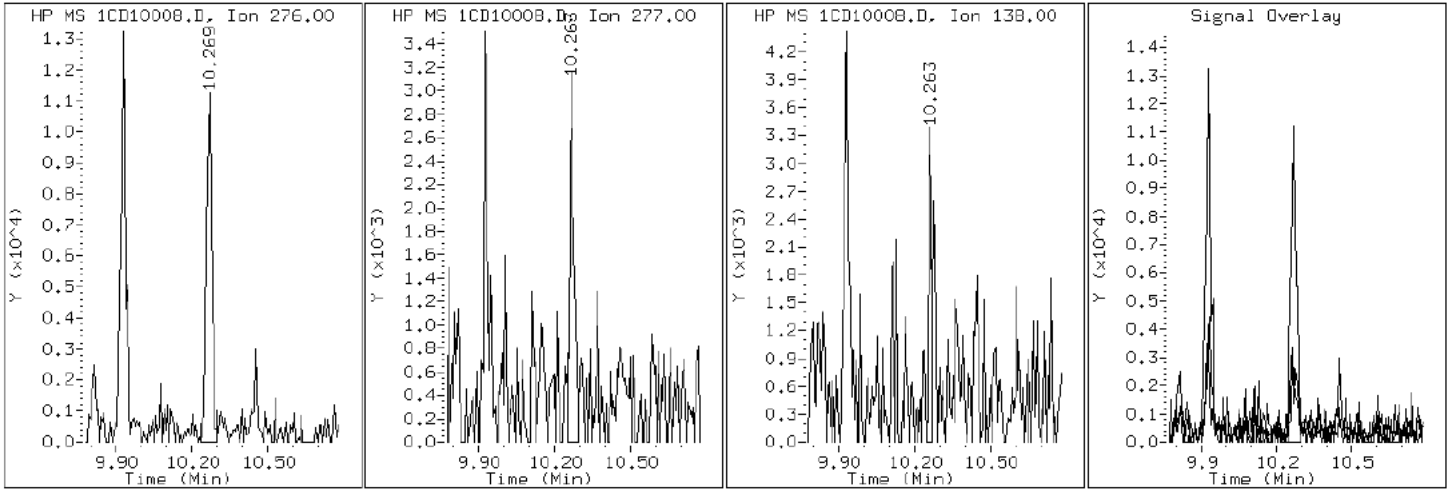
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

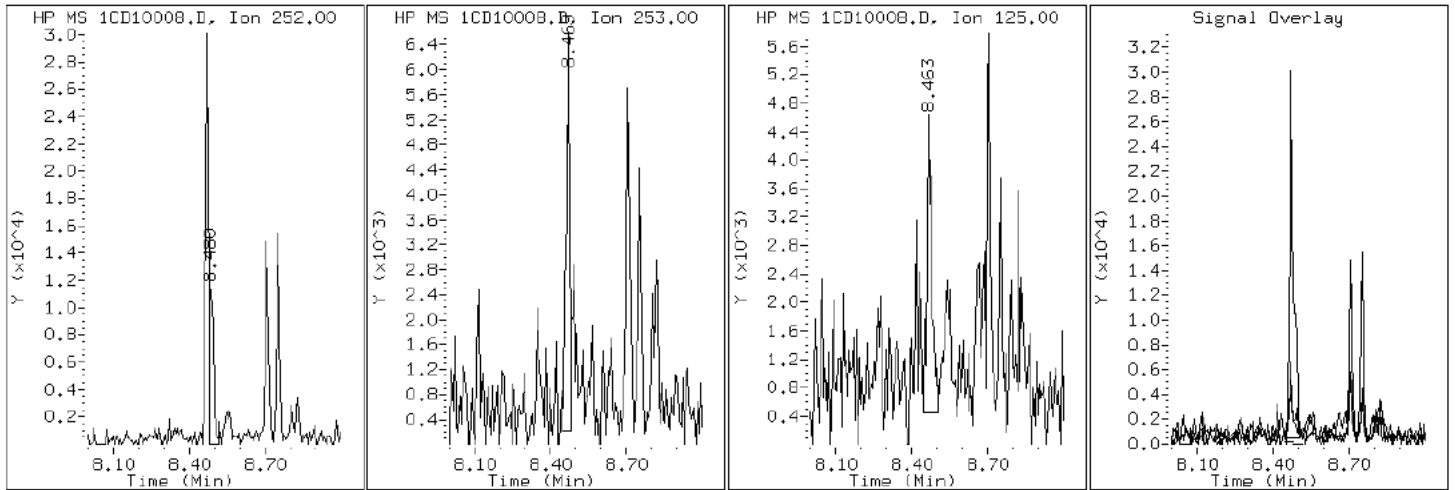
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

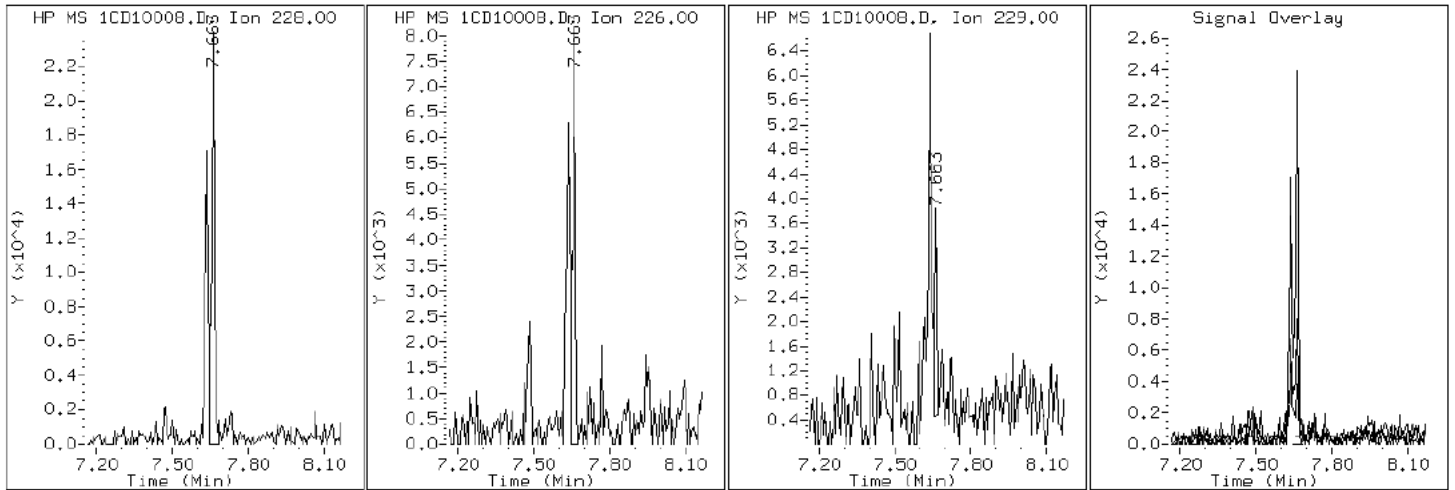
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

19 Chrysene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

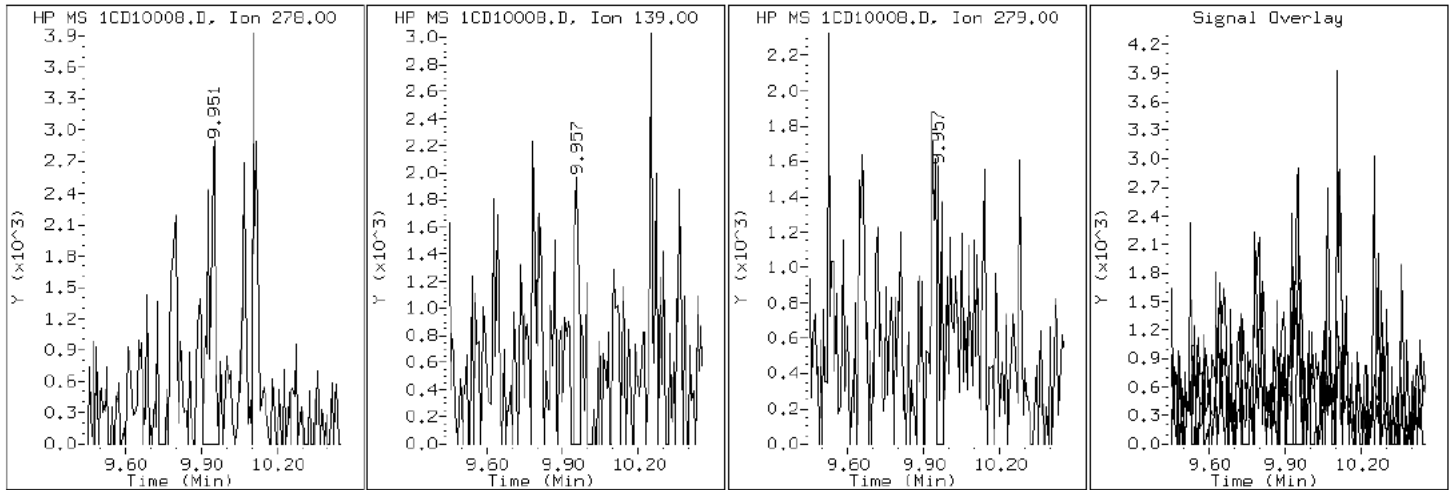
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

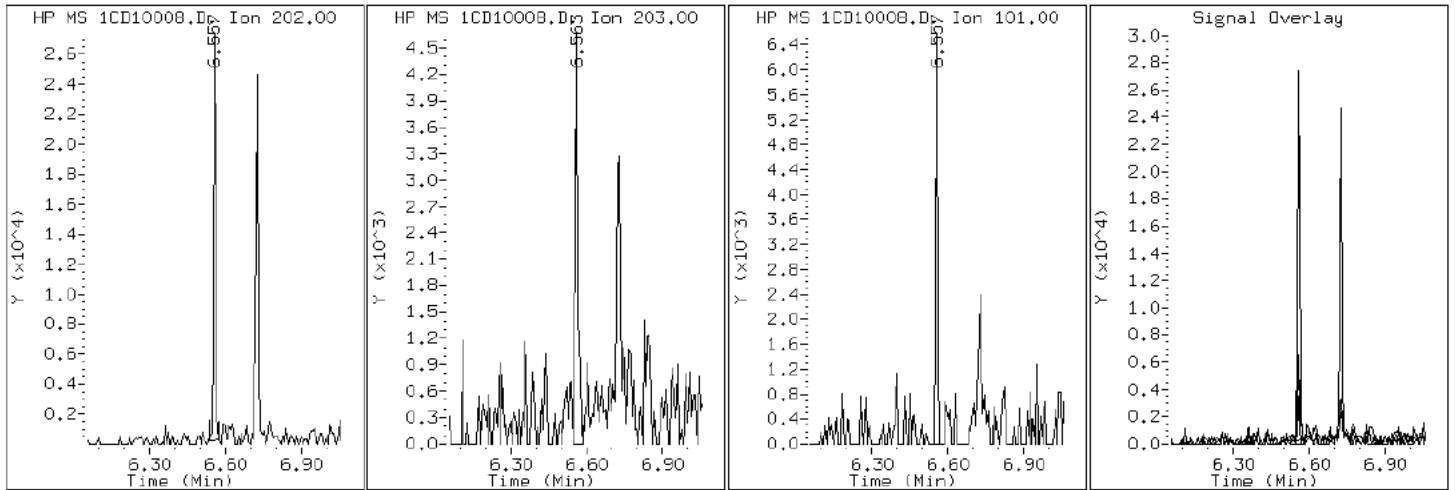
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

15 Fluoranthene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

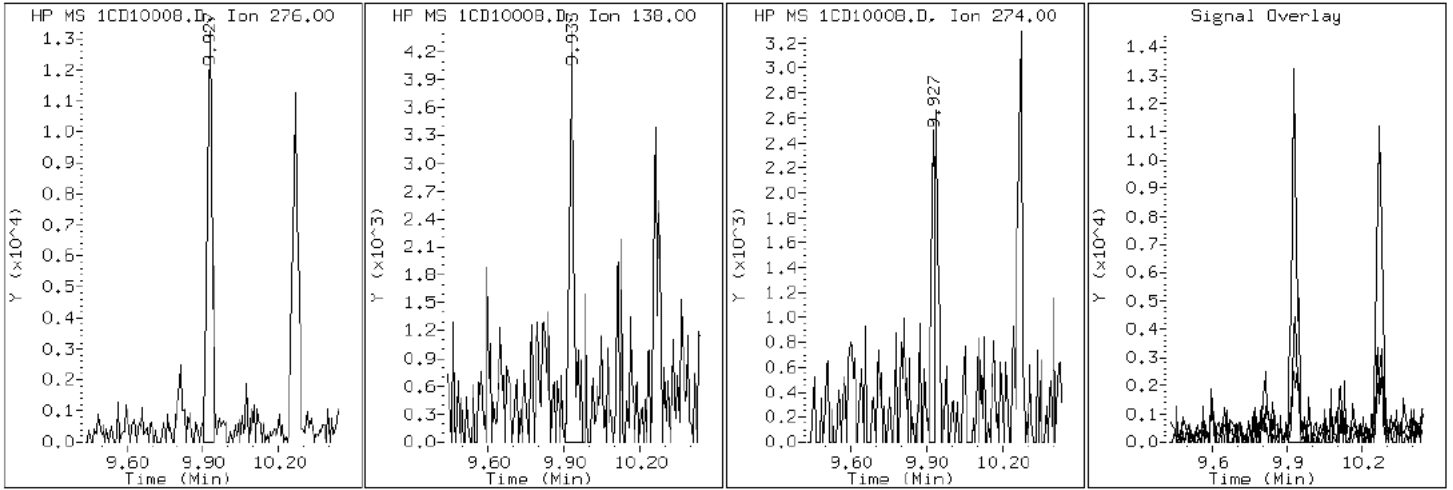
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

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



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

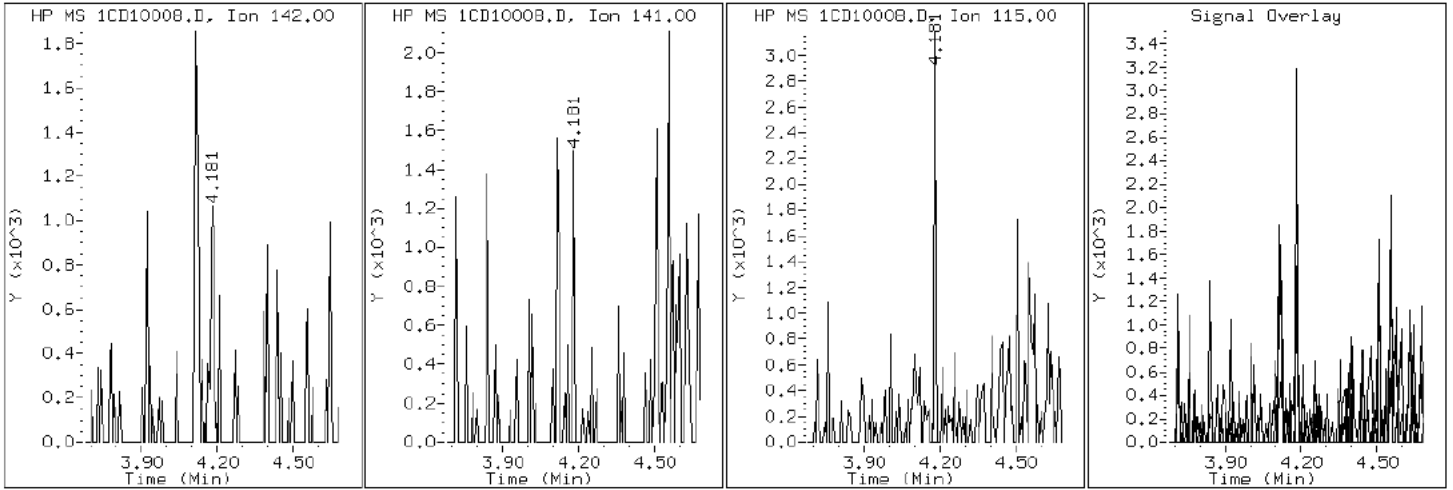
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

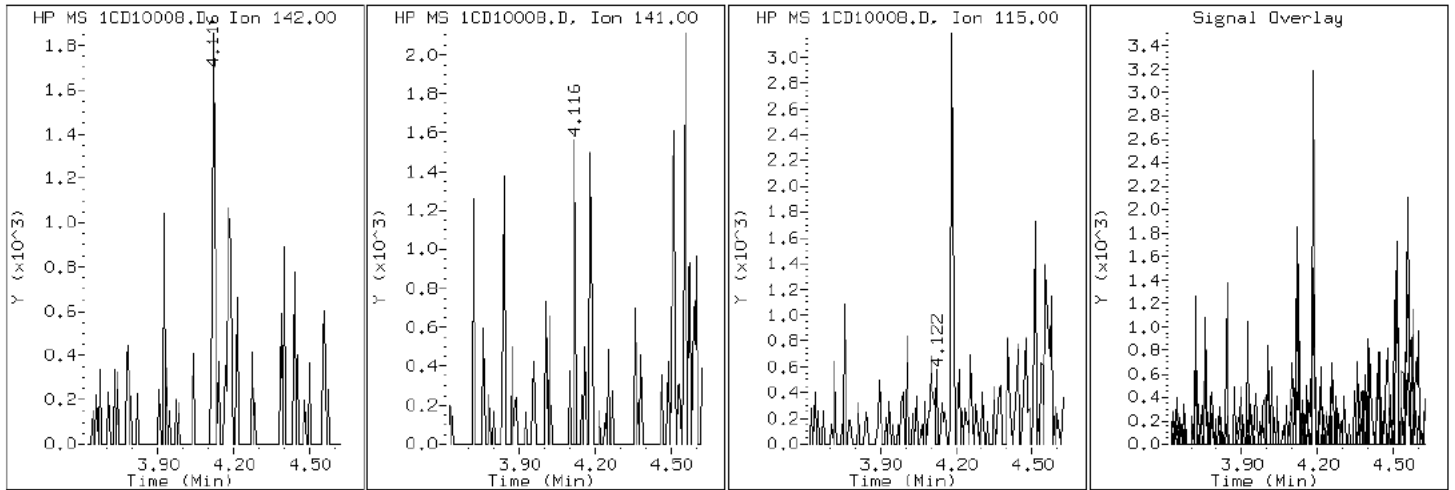
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

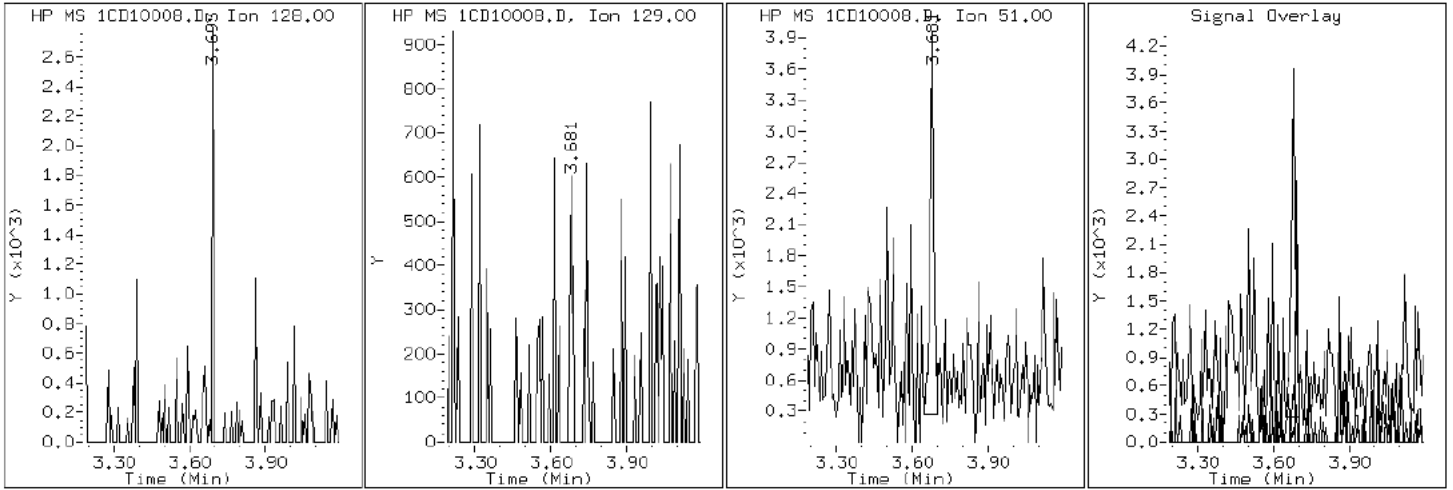
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

2 Naphthalene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

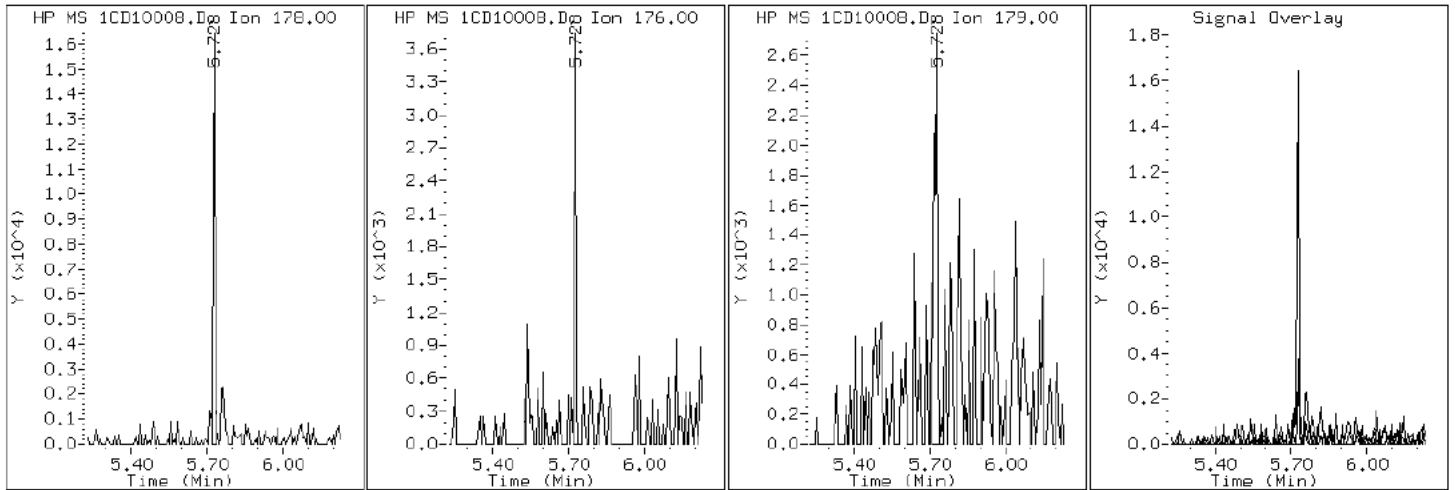
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

11 Phenanthrene



Data File: 1CD10008.D

Date: 10-APR-2013 13:42

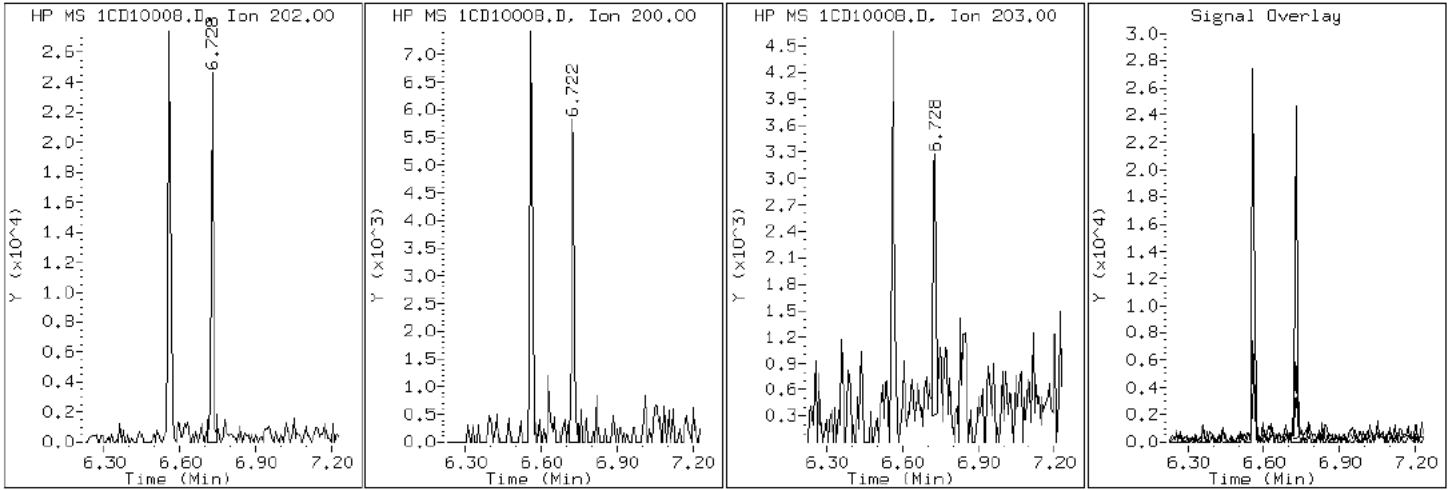
Client ID: CV1052B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-78-a

Operator: SCC

16 Pyrene

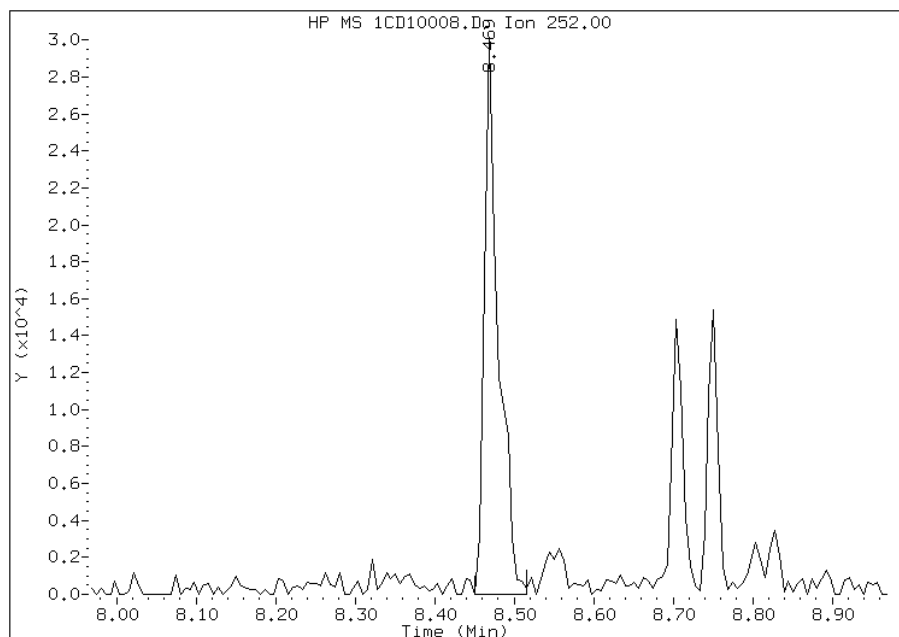


Manual Integration Report

Data File: 1CD10008.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMC5973.i
Client ID: CV1052B-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

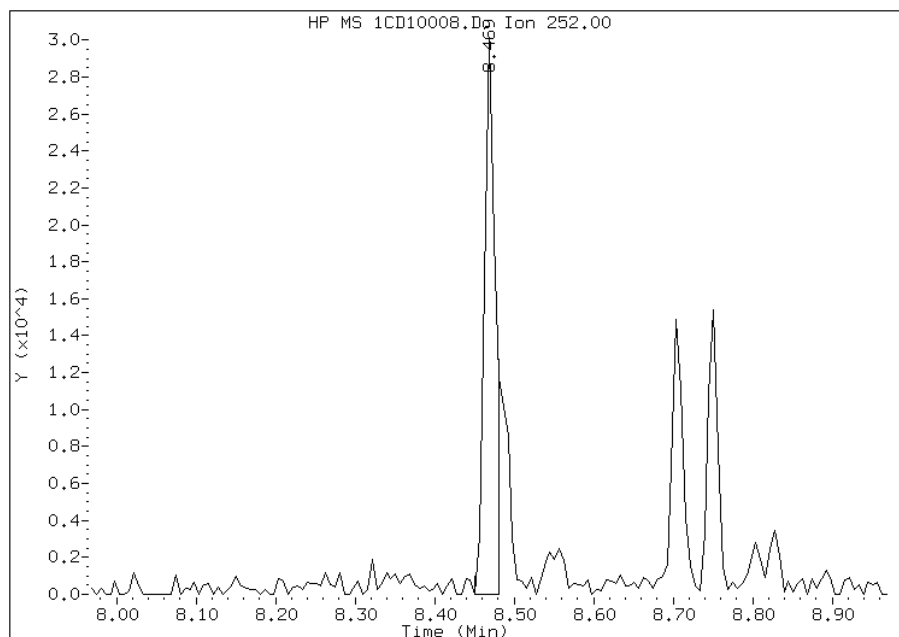
Processing Integration Results

RT: 8.47
Response: 36950
Amount: 2
Conc: 680



Manual Integration Results

RT: 8.47
Response: 28604
Amount: 2
Conc: 527



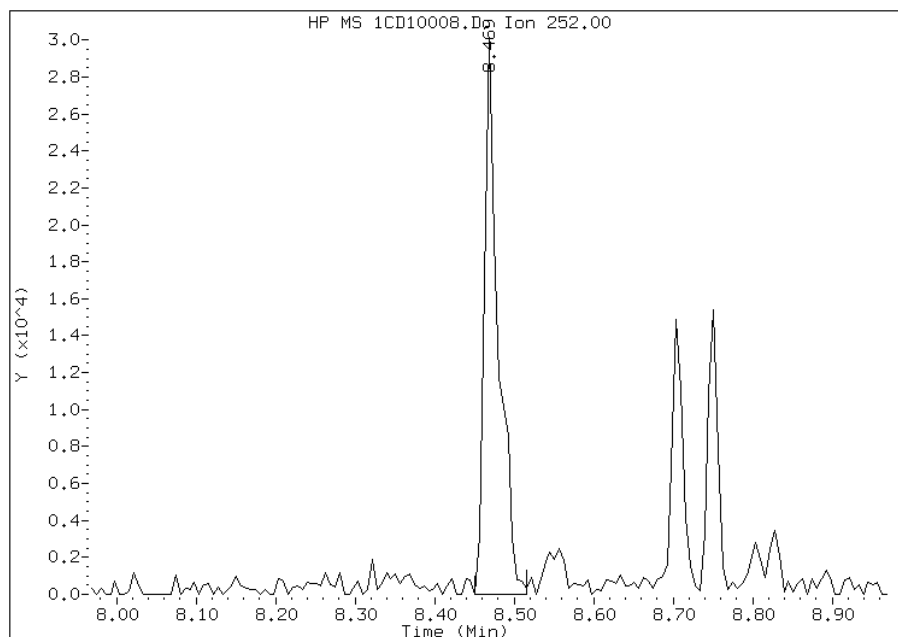
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:03
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD10008.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMC5973.i
Client ID: CV1052B-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

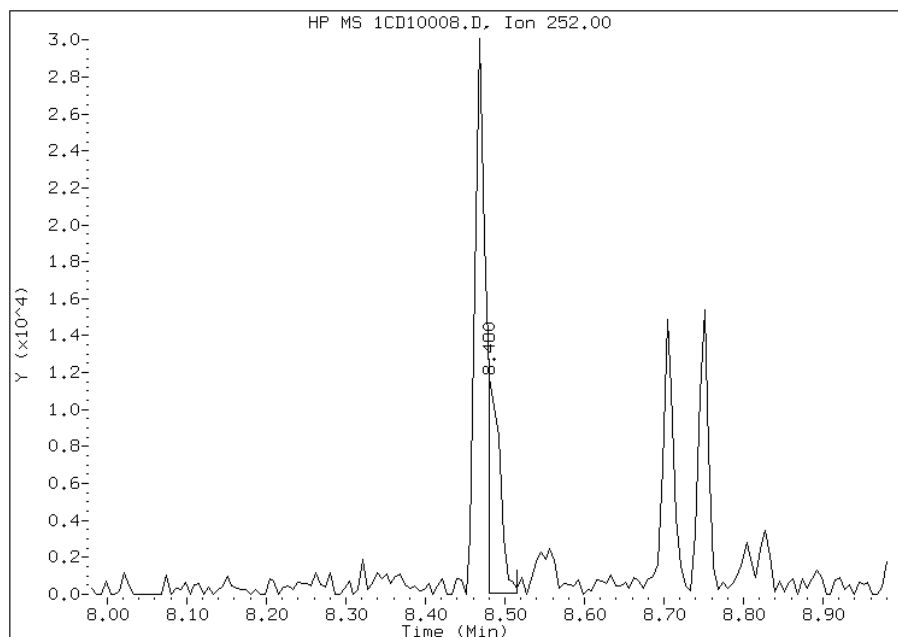
Processing Integration Results

RT: 8.47
Response: 36950
Amount: 2
Conc: 703



Manual Integration Results

RT: 8.48
Response: 12379
Amount: 1
Conc: 236



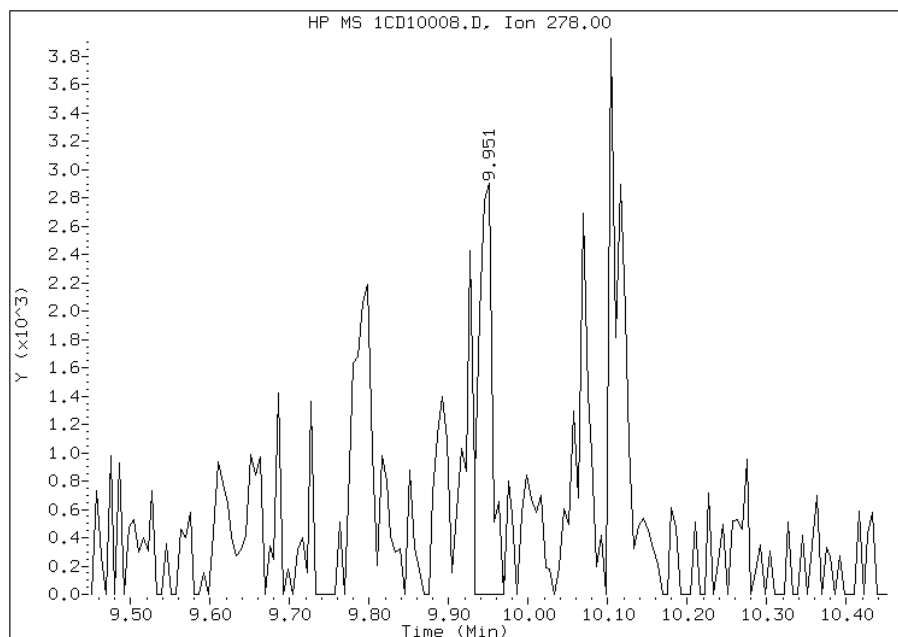
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD10008.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMC5973.i
Client ID: CV1052B-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/10/2013

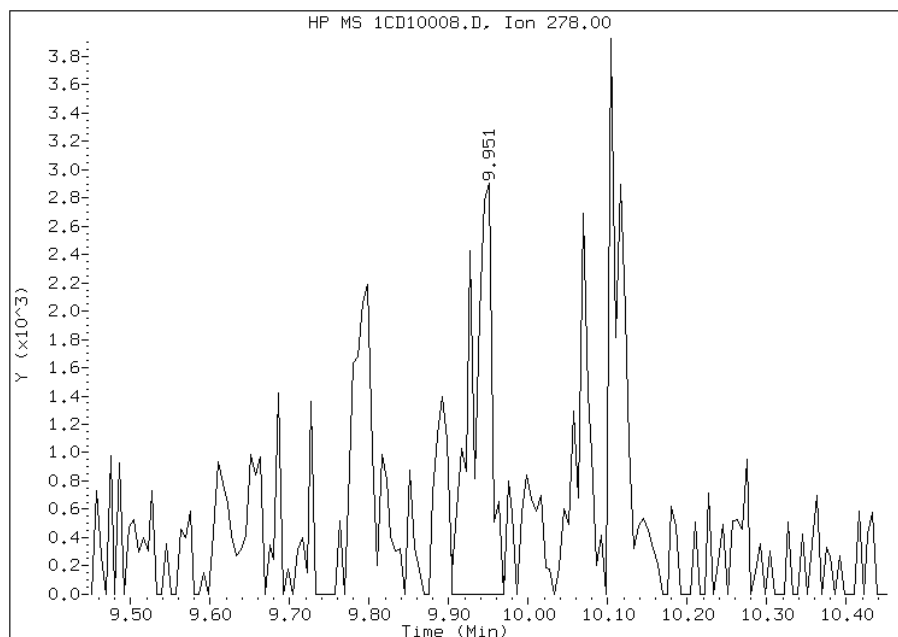
Processing Integration Results

RT: 9.95
Response: 3400
Amount: 0
Conc: 76



Manual Integration Results

RT: 9.95
Response: 5198
Amount: 0
Conc: 116



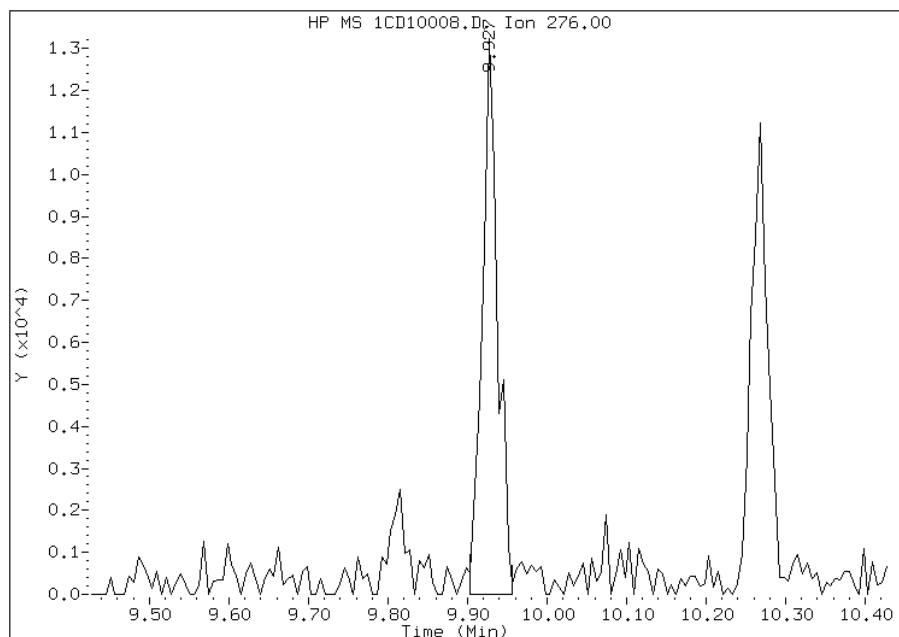
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:03
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD10008.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMC5973.i
Client ID: CV1052B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

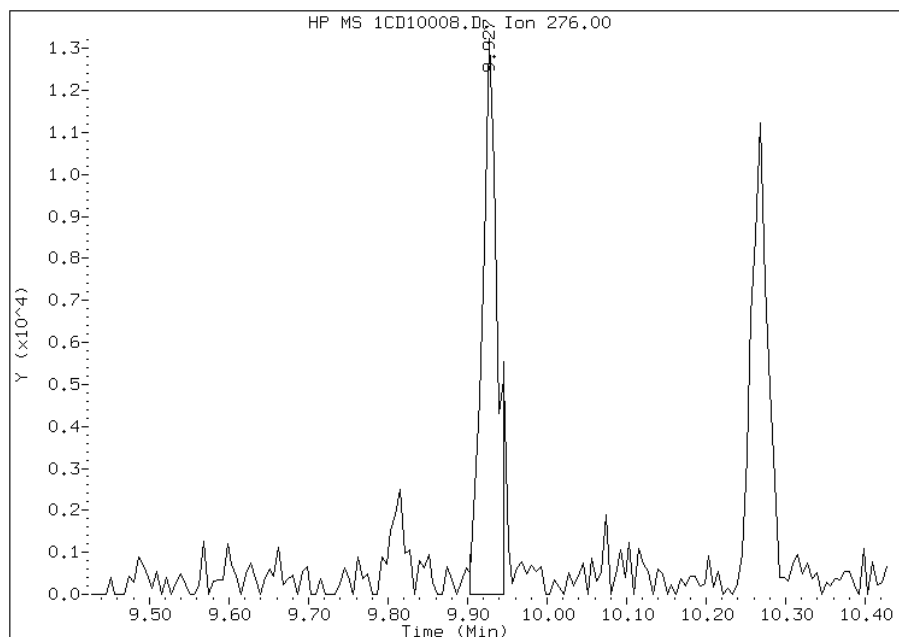
Processing Integration Results

RT: 9.93
Response: 17705
Amount: 1
Conc: 364



Manual Integration Results

RT: 9.93
Response: 17212
Amount: 1
Conc: 354



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:04
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1054A-CS Lab Sample ID: 680-88811-79
 Matrix: Solid Lab File ID: 1CD10009.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:05
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.08(g) Date Analyzed: 04/10/2013 14:00
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 17.1 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136309 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 480 | U | 480 | 96 |
| 208-96-8 | Acenaphthylene | 42 | J | 190 | 24 |
| 120-12-7 | Anthracene | 70 | | 40 | 20 |
| 56-55-3 | Benzo[a]anthracene | 300 | | 38 | 19 |
| 50-32-8 | Benzo[a]pyrene | 320 | | 50 | 25 |
| 205-99-2 | Benzo[b]fluoranthene | 460 | | 59 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 260 | | 96 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 120 | | 38 | 17 |
| 218-01-9 | Chrysene | 390 | | 43 | 22 |
| 53-70-3 | Dibenz(a,h)anthracene | 95 | J | 96 | 20 |
| 206-44-0 | Fluoranthene | 480 | | 96 | 19 |
| 86-73-7 | Fluorene | 30 | J | 96 | 20 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 160 | | 96 | 34 |
| 90-12-0 | 1-Methylnaphthalene | 130 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 150 | J | 190 | 34 |
| 91-20-3 | Naphthalene | 110 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 380 | | 38 | 19 |
| 129-00-0 | Pyrene | 430 | | 96 | 18 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 79 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\1CD10009.D
 Lab Smp Id: 680-88811-A-79-A Client Smp ID: CV1054A-CS
 Inj Date : 10-APR-2013 14:00
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88811-a-79-a
 Misc Info : 680-88811-A-79-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:25 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 9
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.080 | Weight Extracted |
| M | 17.073 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 3.680 | 3.680 | (1.000) | 444403 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 4.768 | 4.768 | (1.000) | 317224 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 5.710 | 5.710 | (1.000) | 596356 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 5.962 | 5.963 | (1.044) | 12190 | 1.97770 | 632.5912 | |
| * 18 Chrysene-d12 | 240 | | 7.645 | 7.645 | (1.000) | 698609 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 8.809 | 8.809 | (1.000) | 672739 | 40.0000 | | |
| 2 Naphthalene | 128 | | 3.692 | 3.692 | (1.003) | 4037 | 0.35368 | 113.1278 | |
| 3 2-Methylnaphthalene | 142 | | 4.121 | 4.121 | (1.120) | 3669 | 0.47220 | 151.0401 | |
| 4 1-Methylnaphthalene | 142 | | 4.180 | 4.180 | (1.136) | 2867 | 0.41007 | 131.1667 | |
| 5 Acenaphthylene | 152 | | 4.680 | 4.680 | (0.982) | 1743 | 0.13276 | 42.4644(Q) | |
| 9 Fluorene | 166 | | 5.110 | 5.104 | (1.072) | 1004 | 0.09262 | 29.6244(Q) | |
| 11 Phenanthrene | 178 | | 5.727 | 5.727 | (1.003) | 20802 | 1.19767 | 383.0914 | |
| 12 Anthracene | 178 | | 5.757 | 5.763 | (1.008) | 3842 | 0.21821 | 69.7979 | |
| 13 Carbazole | 167 | | 5.868 | 5.868 | (1.028) | 2312 | 0.15327 | 49.0254 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 15 Fluoranthene | 202 | 6.557 | 6.557 | (1.148) | 28626 | 1.49238 | 477.3552 |
| 16 Pyrene | 202 | 6.727 | 6.727 | (0.880) | 25851 | 1.33583 | 427.2823 |
| 17 Benzo(a)anthracene | 228 | 7.639 | 7.639 | (0.999) | 16556 | 0.95353 | 304.9973 |
| 19 Chrysene | 228 | 7.662 | 7.668 | (1.002) | 24292 | 1.22026 | 390.3142 |
| 20 Benzo(b)fluoranthene | 252 | 8.468 | 8.474 | (0.961) | 27084 | 1.42406 | 455.5027(M) |
| 21 Benzo(k)fluoranthene | 252 | 8.492 | 8.498 | (0.964) | 7141 | 0.38821 | 124.1737(QMH) |
| 22 Benzo(a)pyrene | 252 | 8.756 | 8.756 | (0.994) | 18118 | 1.01185 | 323.6523 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.933 | 9.939 | (1.128) | 8442 | 0.49638 | 158.7731(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.939 | 9.950 | (1.128) | 4690 | 0.29852 | 95.4868 |
| 26 Benzo(g,h,i)perylene | 276 | 10.274 | 10.280 | (1.166) | 14220 | 0.81923 | 262.0399 |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD10009.D

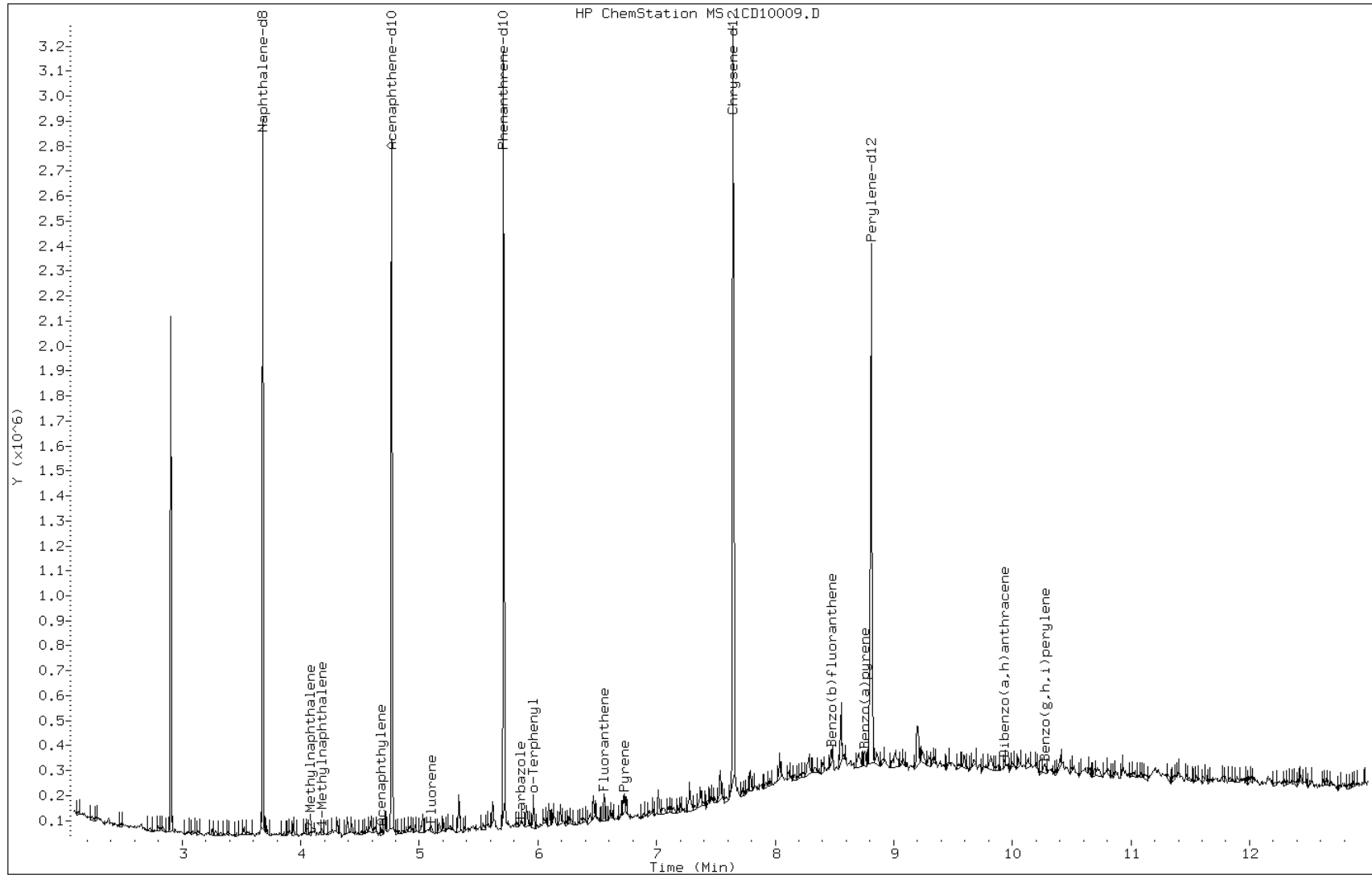
Date: 10-APR-2013 14:00

Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

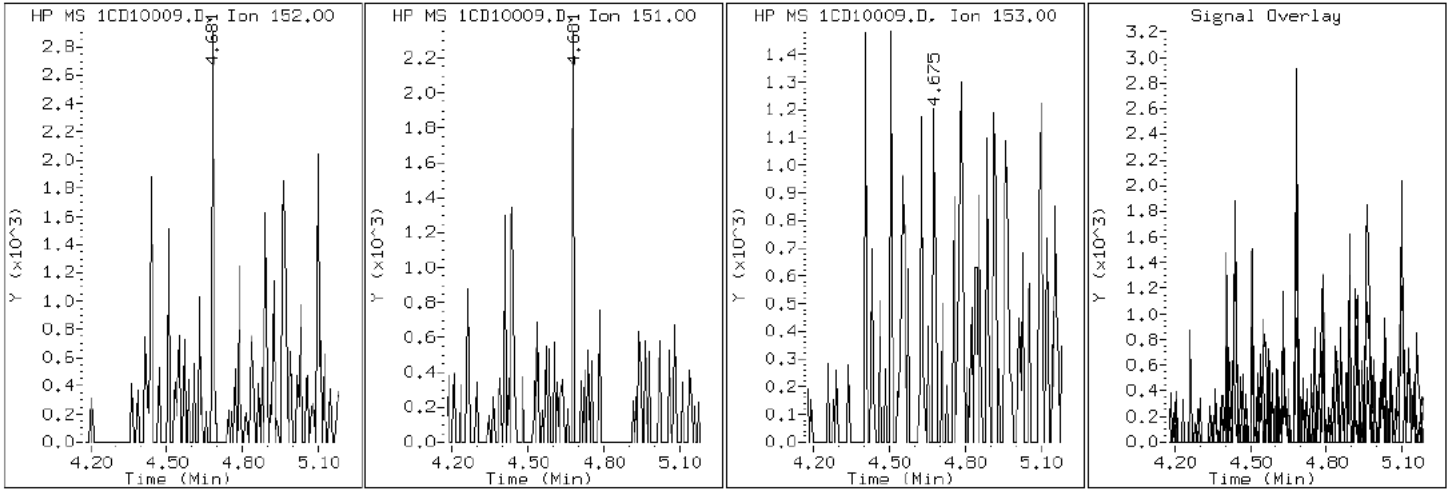
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

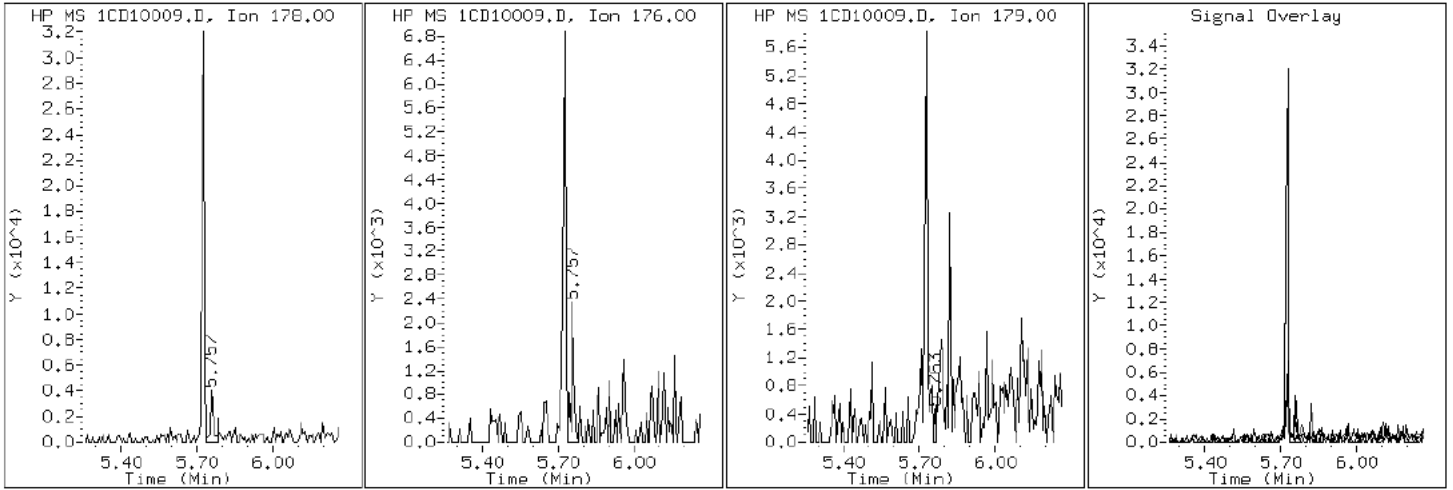
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

12 Anthracene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

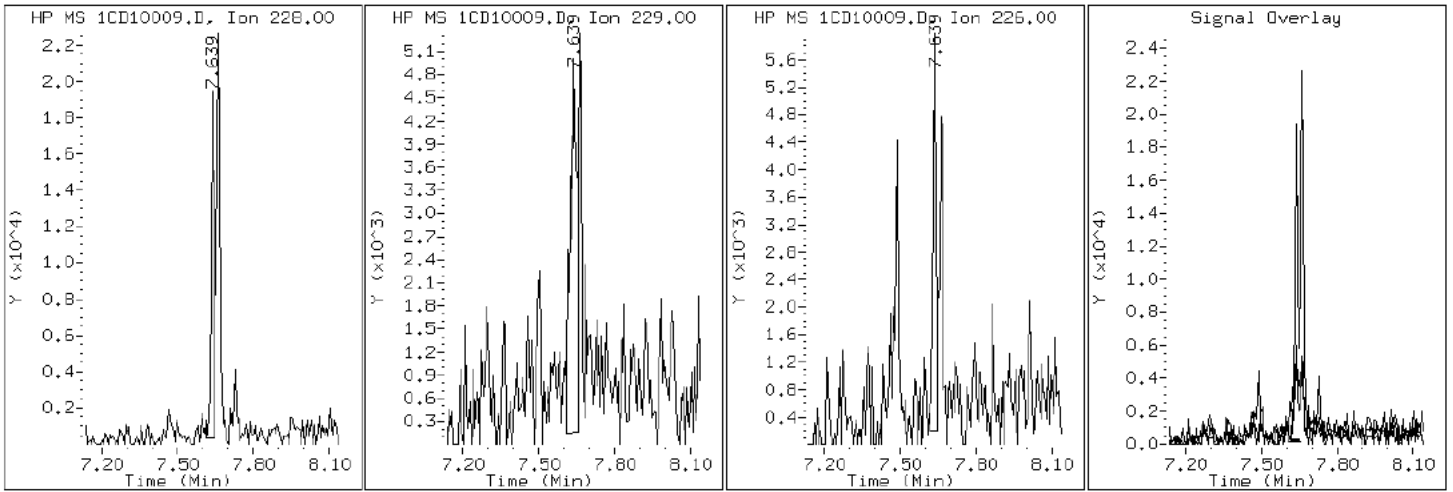
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

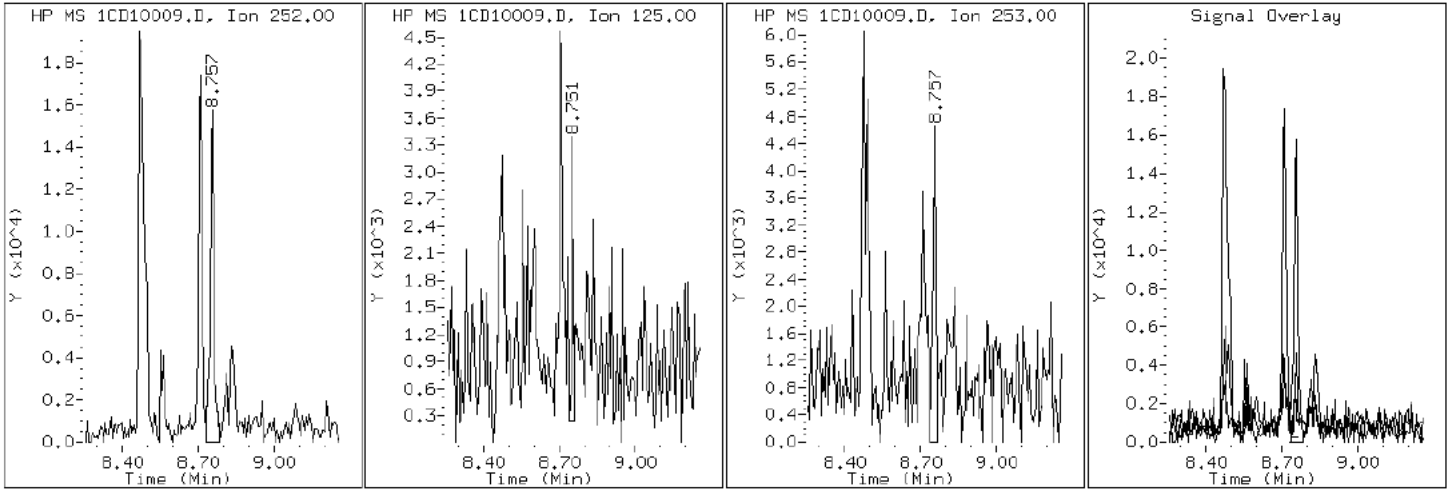
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

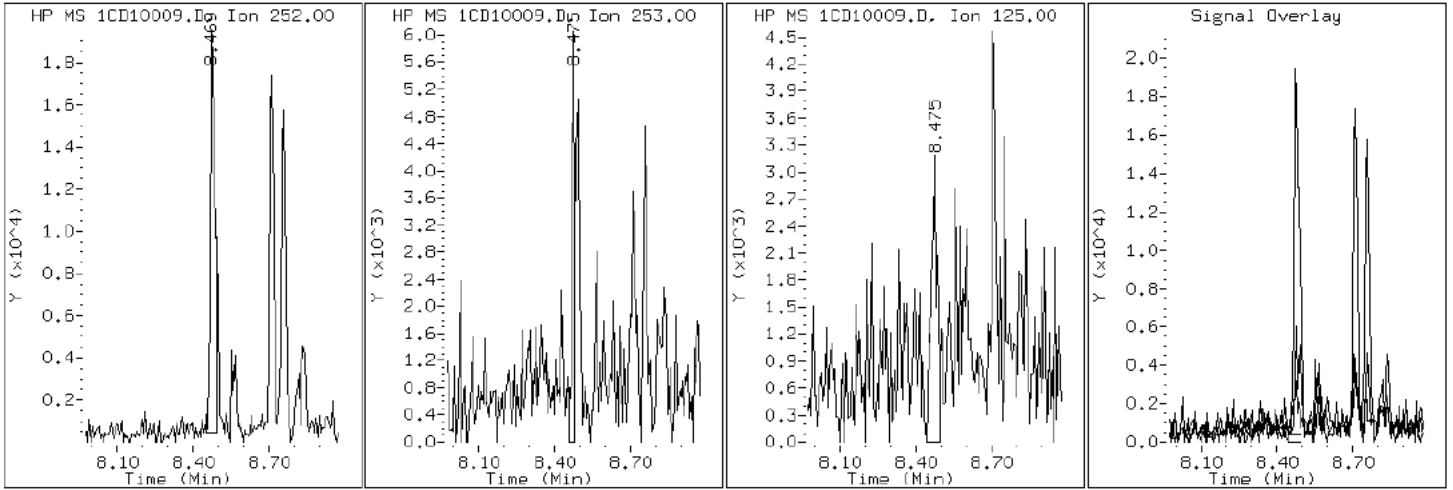
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

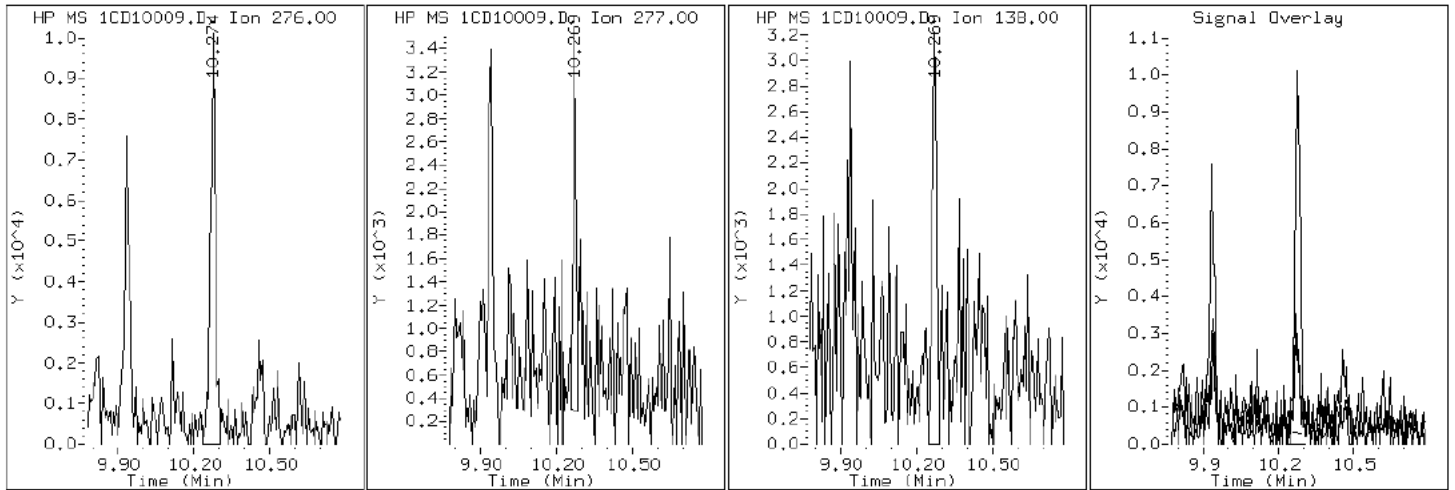
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

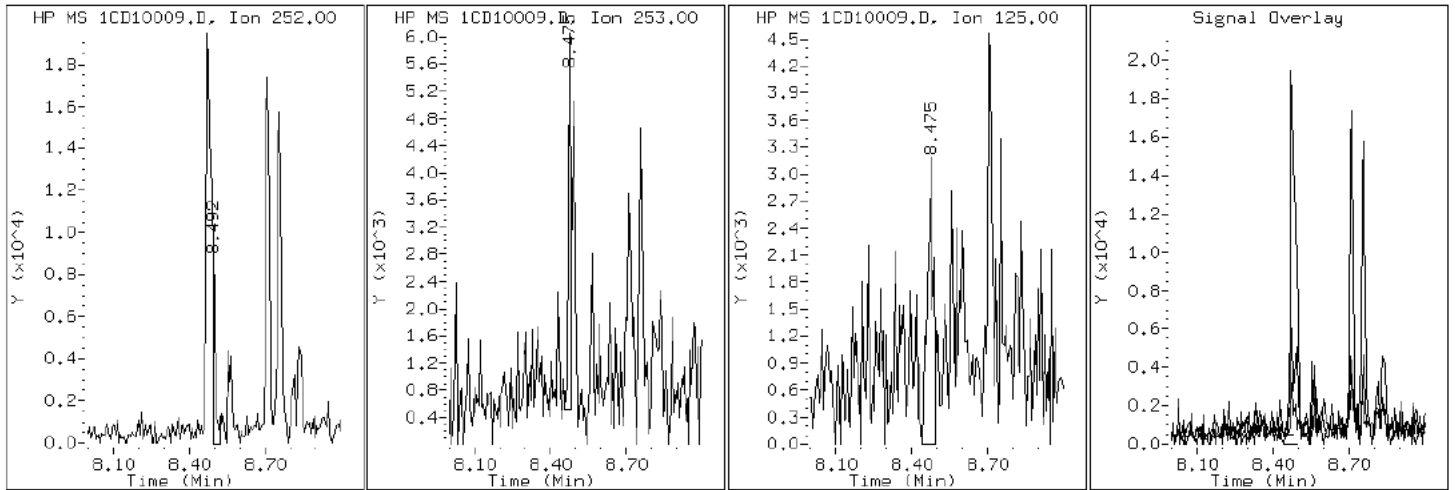
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

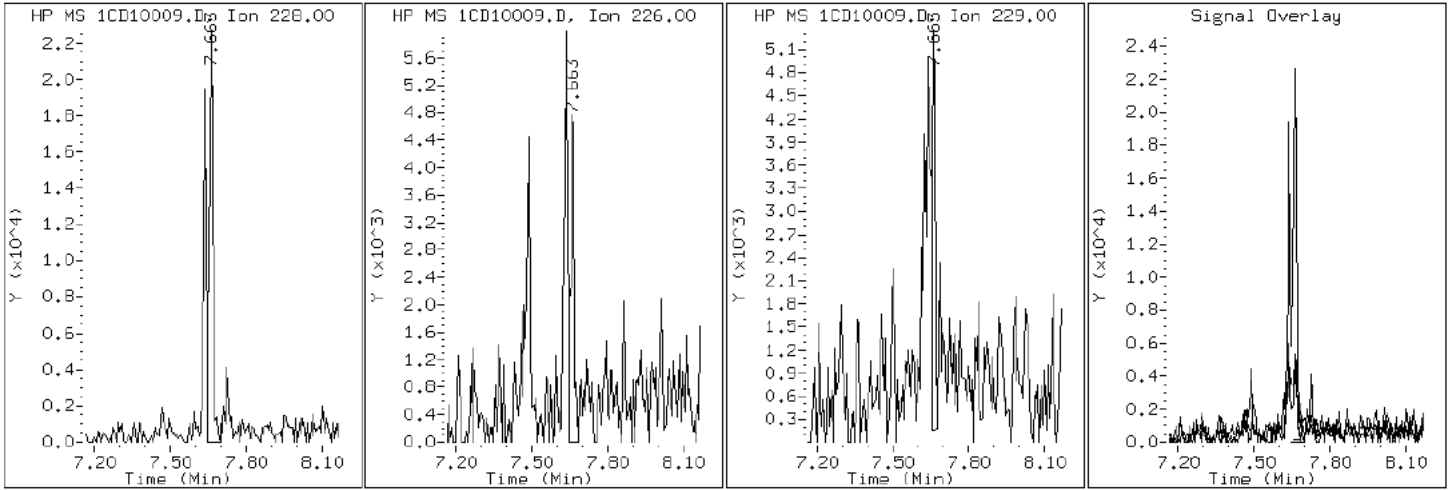
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

19 Chrysene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

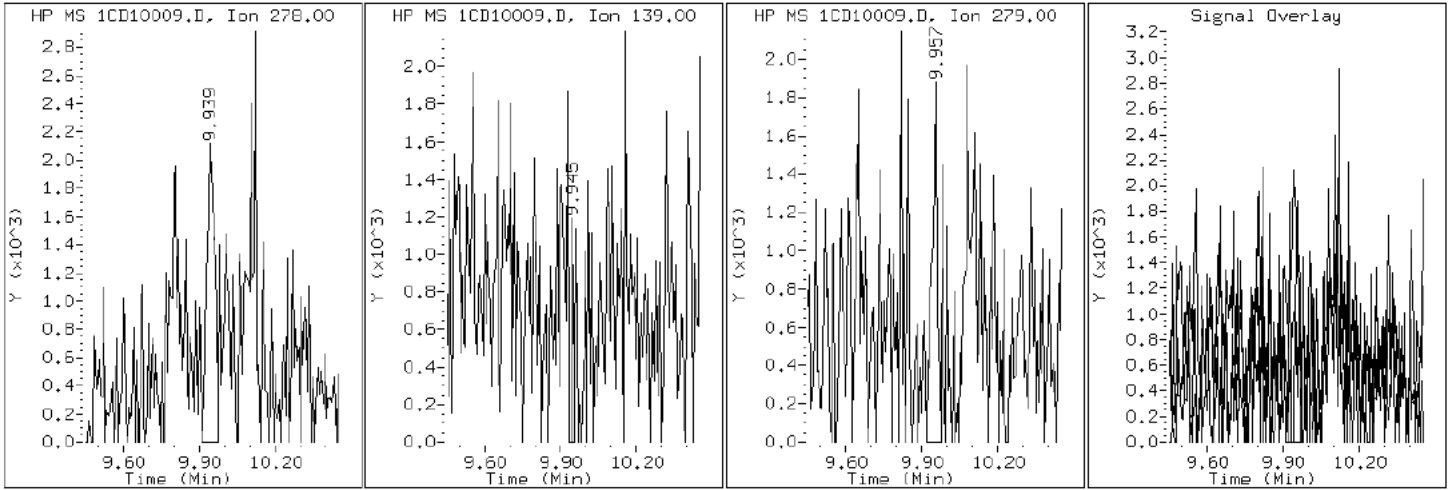
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

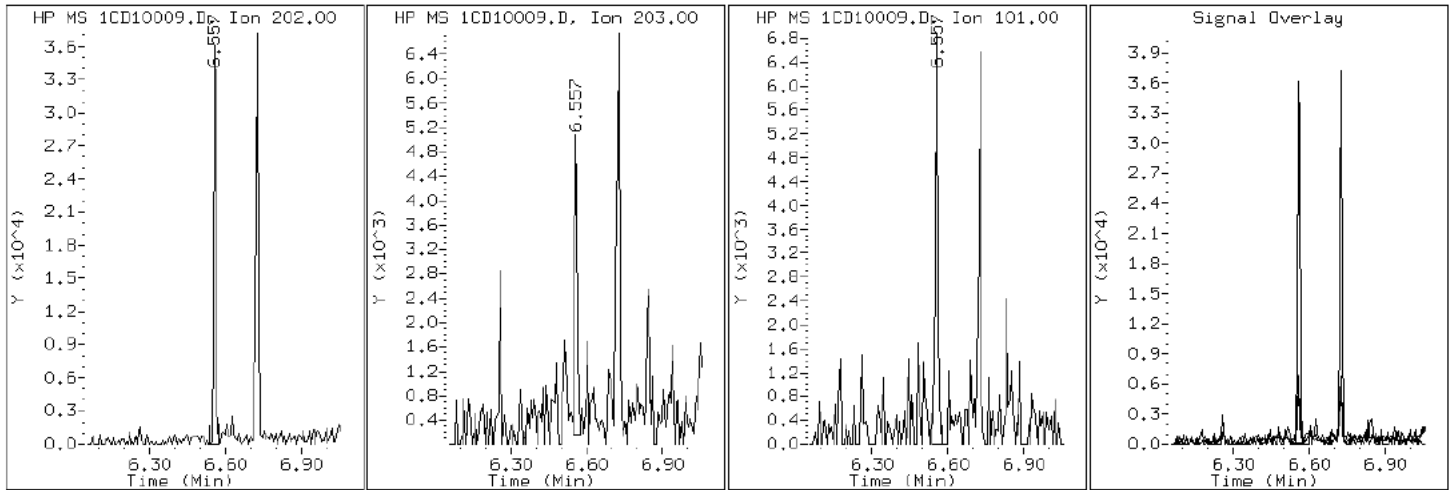
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

15 Fluoranthene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

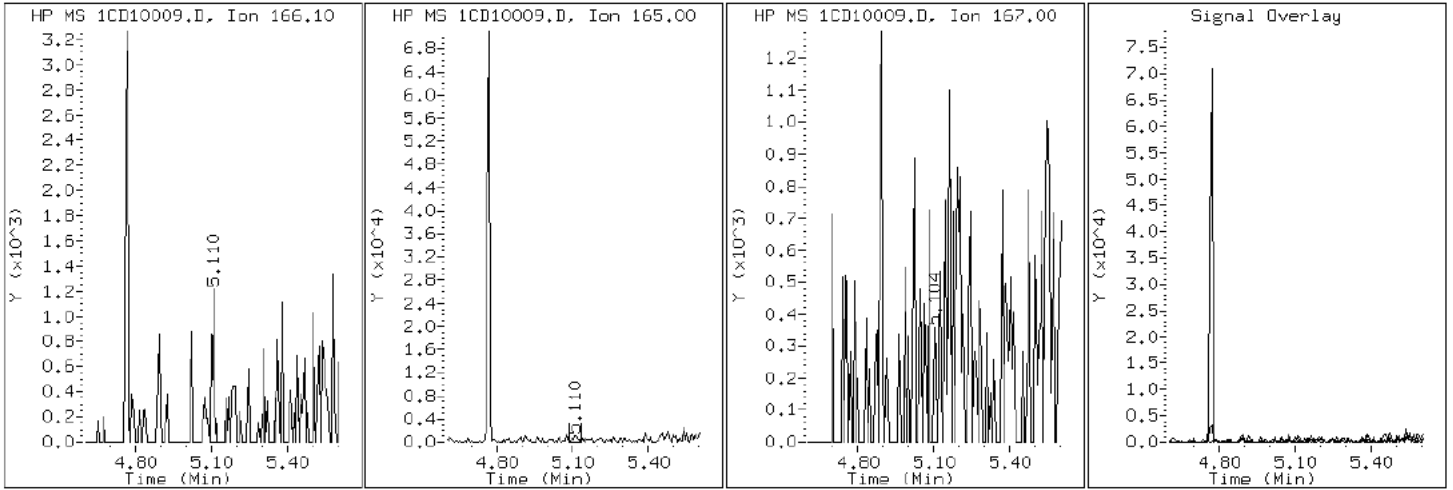
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

9 Fluorene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

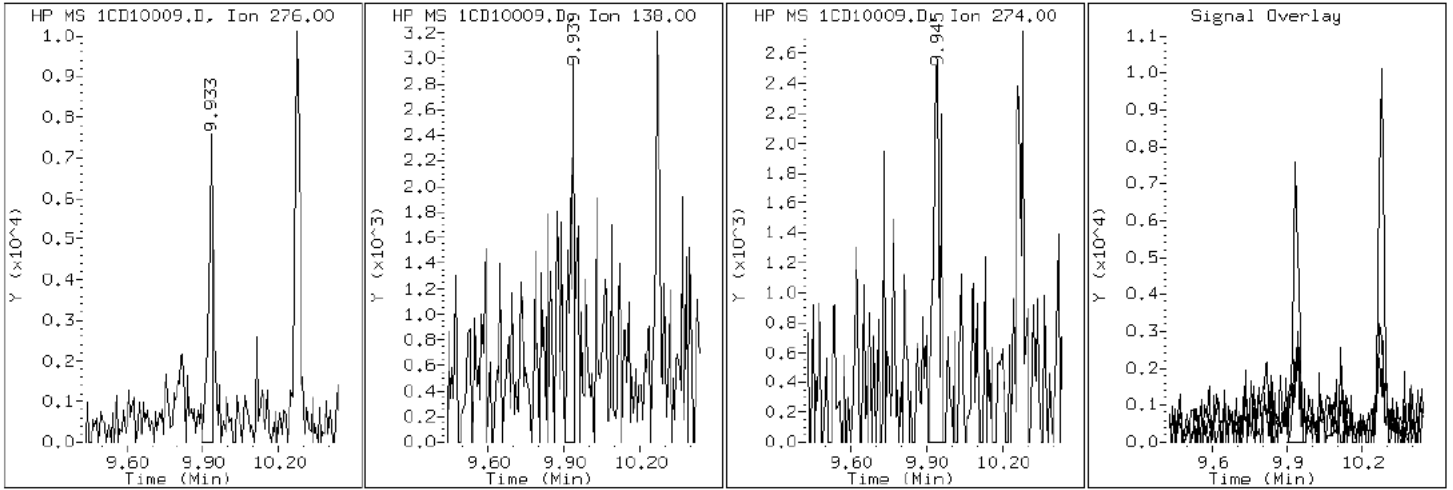
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

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



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

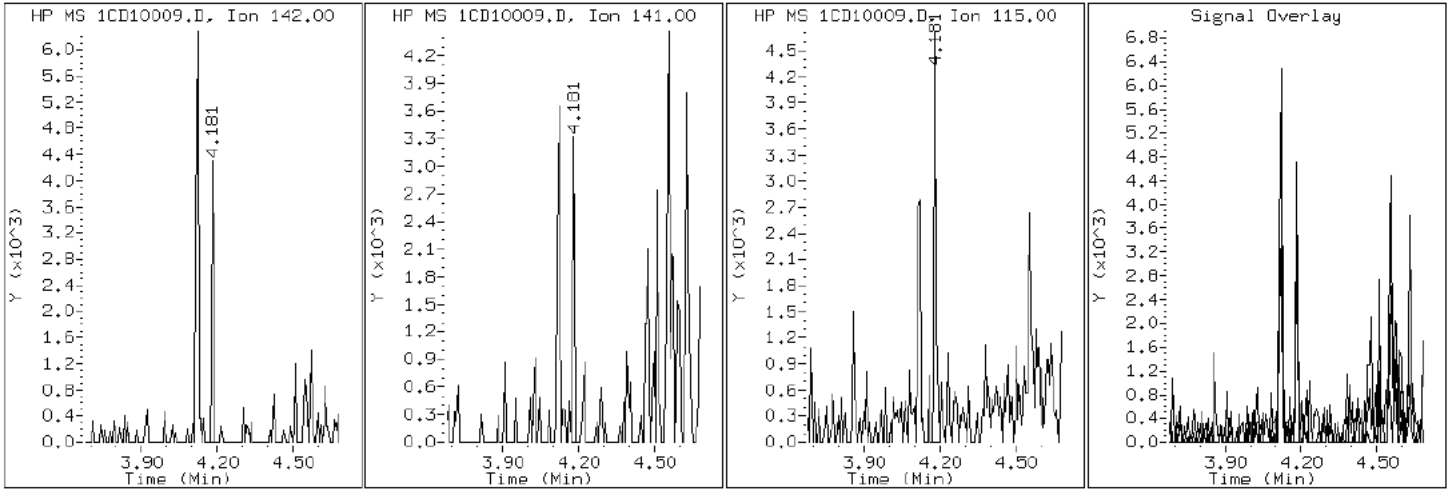
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

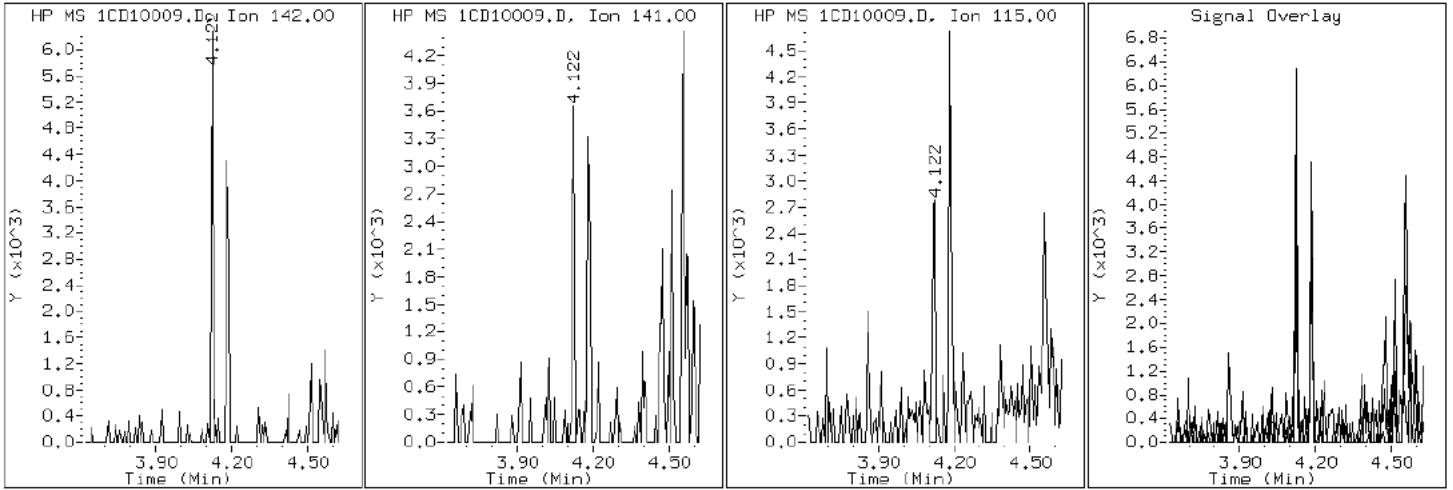
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

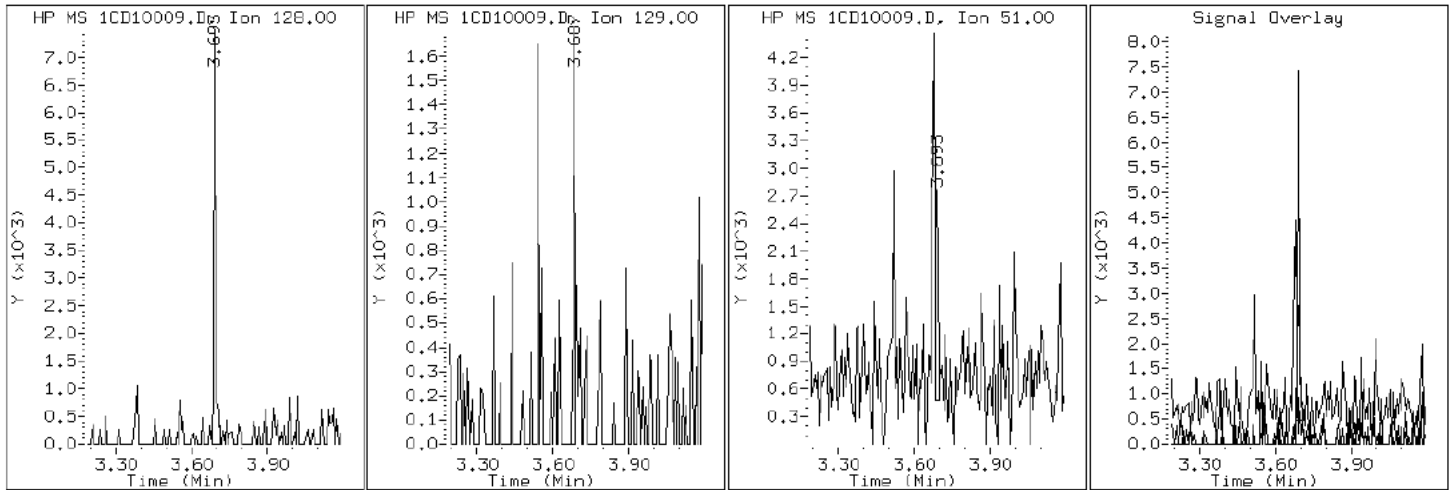
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

2 Naphthalene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

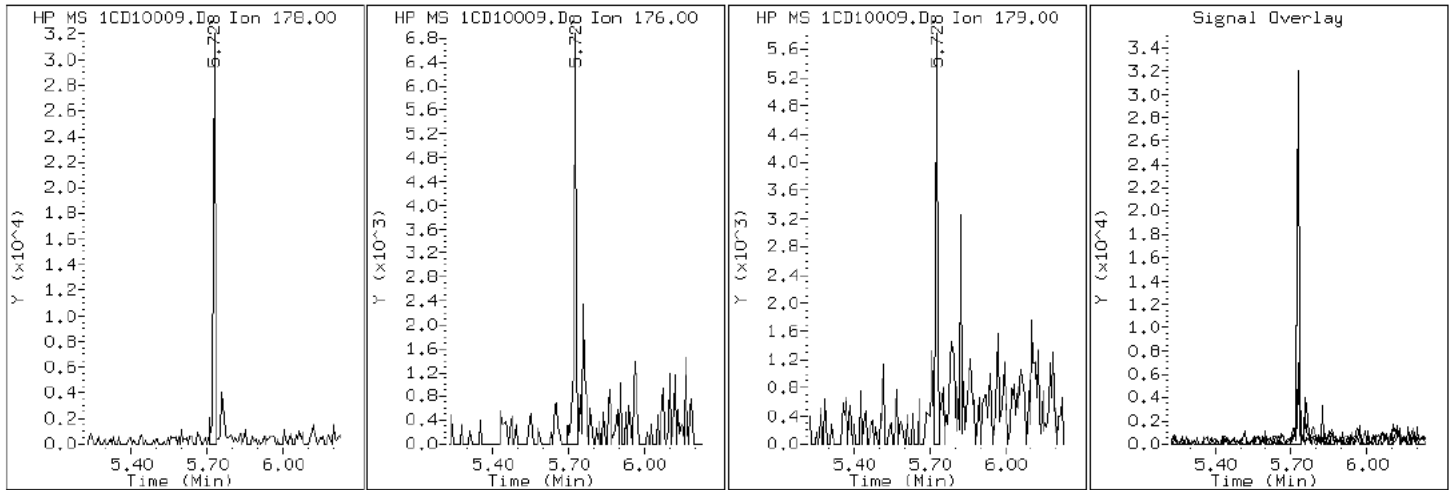
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

11 Phenanthrene



Data File: 1CD10009.D

Date: 10-APR-2013 14:00

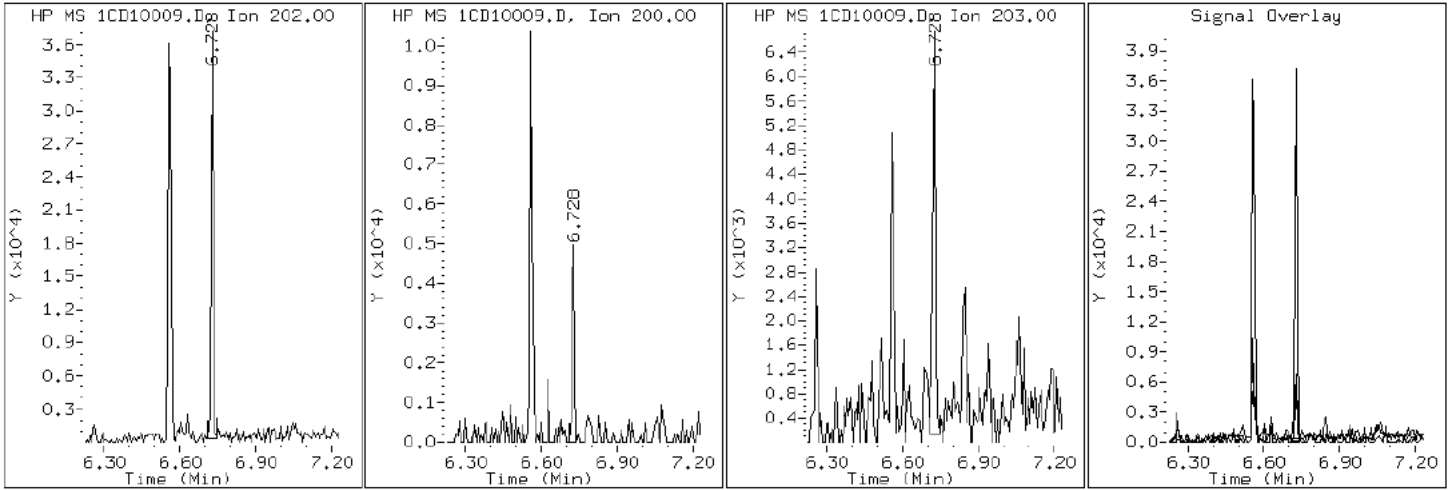
Client ID: CV1054A-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-79-a

Operator: SCC

16 Pyrene

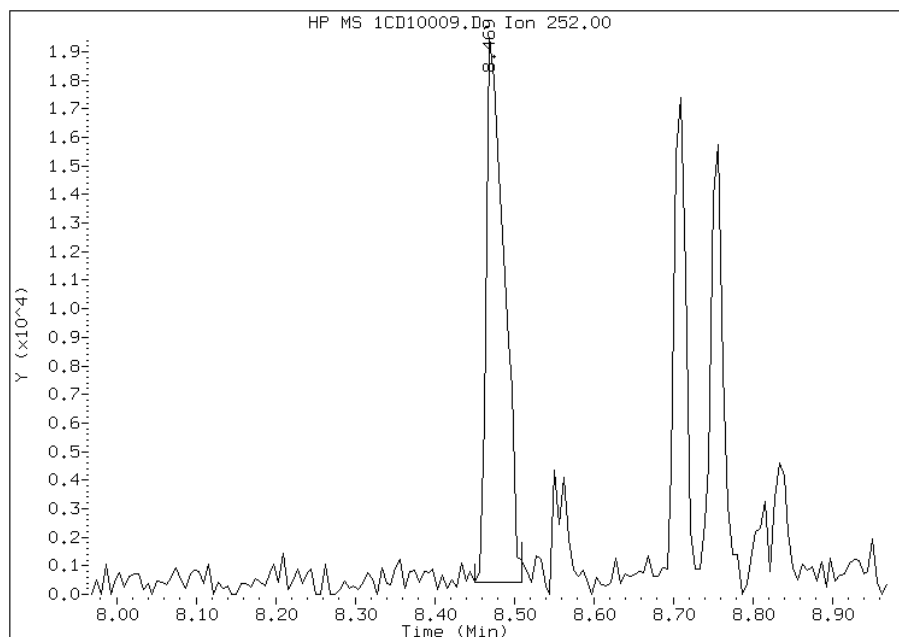


Manual Integration Report

Data File: 1CD10009.D
Inj. Date and Time: 10-APR-2013 14:00
Instrument ID: BSMC5973.i
Client ID: CV1054A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

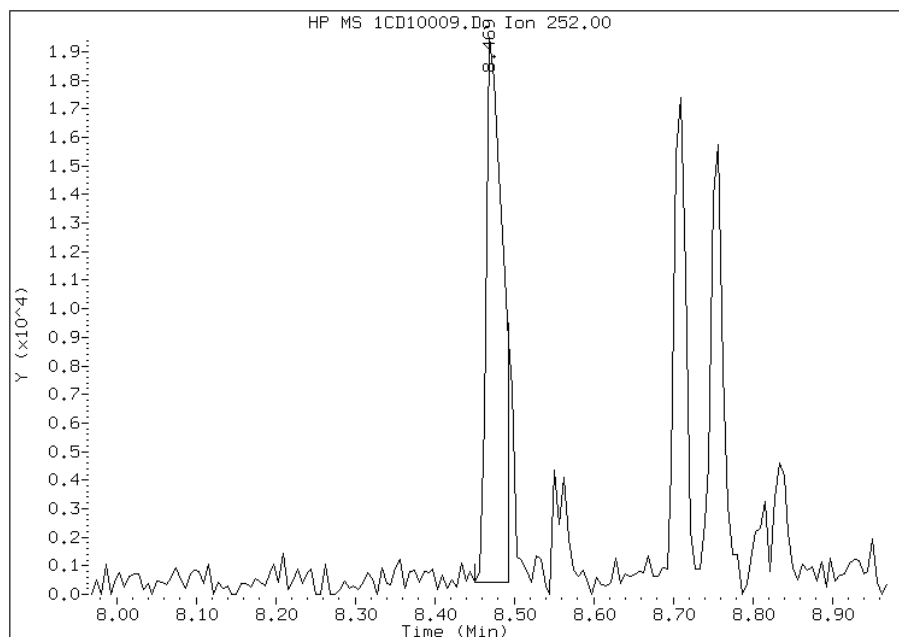
Processing Integration Results

RT: 8.47
Response: 30025
Amount: 2
Conc: 505



Manual Integration Results

RT: 8.47
Response: 27084
Amount: 1
Conc: 456



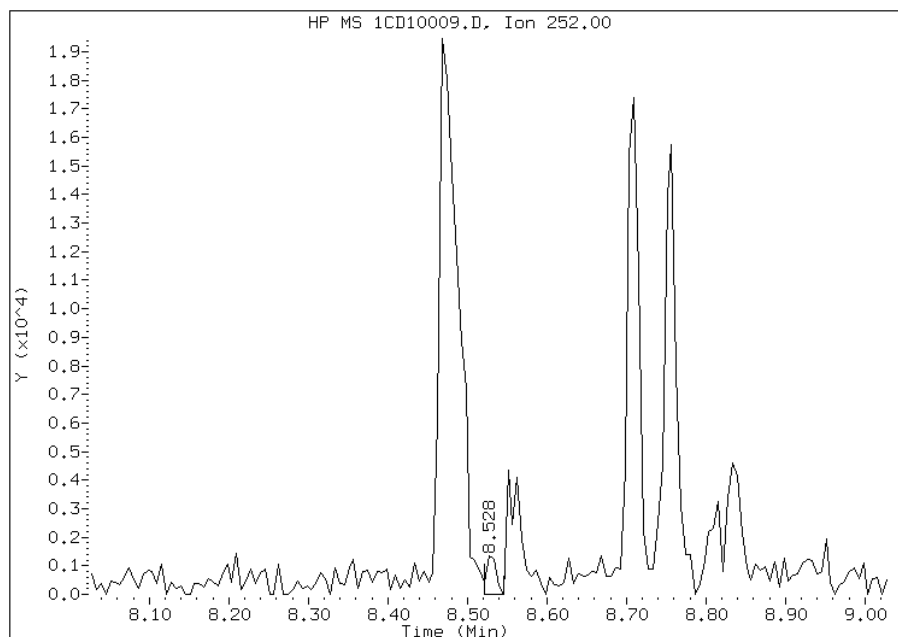
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:05
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CD10009.D
Inj. Date and Time: 10-APR-2013 14:00
Instrument ID: BSMC5973.i
Client ID: CV1054A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

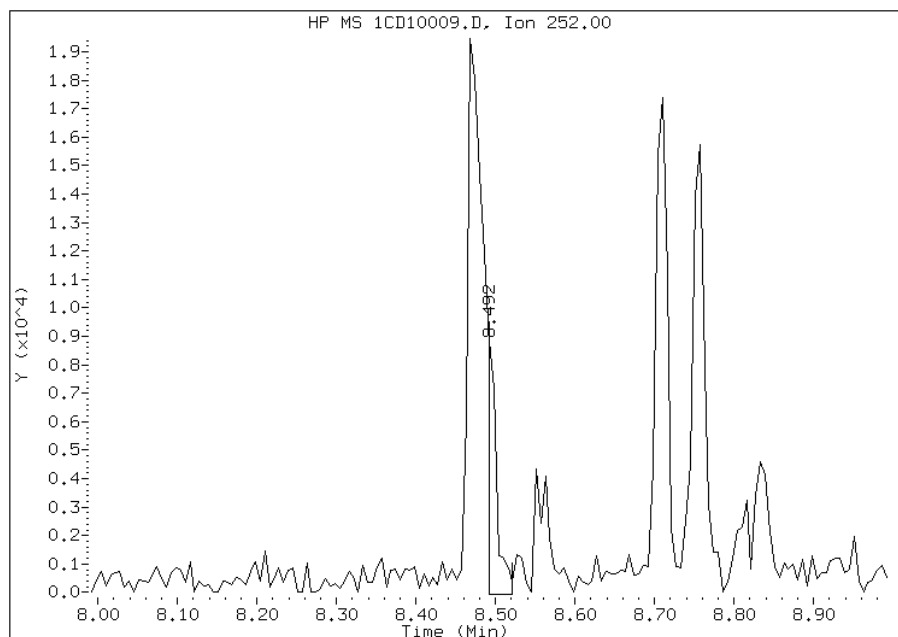
Processing Integration Results

RT: 8.53
Response: 1168
Amount: 0
Conc: 20



Manual Integration Results

RT: 8.49
Response: 7141
Amount: 0
Conc: 124



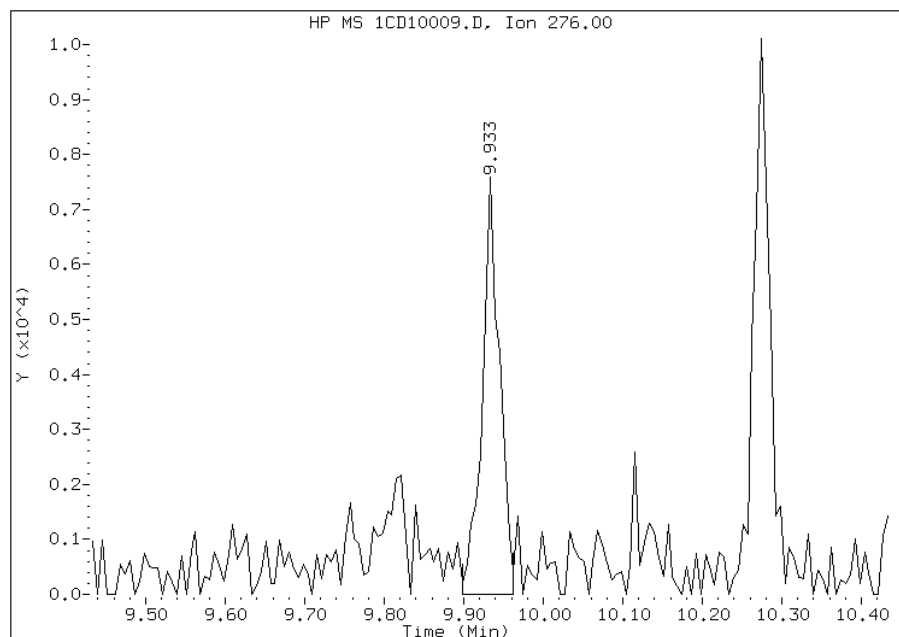
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:05
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD10009.D
Inj. Date and Time: 10-APR-2013 14:00
Instrument ID: BSMC5973.i
Client ID: CV1054A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

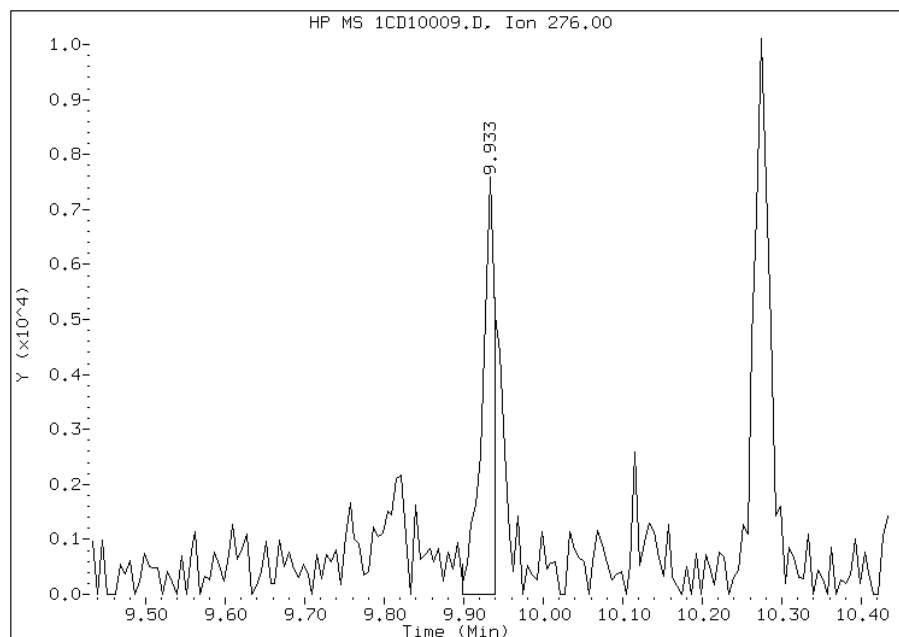
Processing Integration Results

RT: 9.93
Response: 11456
Amount: 1
Conc: 215



Manual Integration Results

RT: 9.93
Response: 8442
Amount: 0
Conc: 159



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:06
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1054B-CS Lab Sample ID: 680-88811-80
 Matrix: Solid Lab File ID: 1CD10010.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:15
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 14.80(g) Date Analyzed: 04/10/2013 14:19
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 23.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136309 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 160 | J | 530 | 110 |
| 208-96-8 | Acenaphthylene | 83 | J | 210 | 26 |
| 120-12-7 | Anthracene | 210 | | 44 | 22 |
| 56-55-3 | Benzo[a]anthracene | 970 | | 42 | 21 |
| 50-32-8 | Benzo[a]pyrene | 690 | | 55 | 27 |
| 205-99-2 | Benzo[b]fluoranthene | 1200 | | 65 | 32 |
| 191-24-2 | Benzo[g,h,i]perylene | 530 | | 110 | 23 |
| 207-08-9 | Benzo[k]fluoranthene | 470 | | 42 | 19 |
| 218-01-9 | Chrysene | 890 | | 48 | 24 |
| 53-70-3 | Dibenz(a,h)anthracene | 220 | | 110 | 22 |
| 206-44-0 | Fluoranthene | 1700 | | 110 | 21 |
| 86-73-7 | Fluorene | 110 | | 110 | 22 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 470 | | 110 | 38 |
| 90-12-0 | 1-Methylnaphthalene | 210 | | 210 | 23 |
| 91-57-6 | 2-Methylnaphthalene | 150 | J | 210 | 38 |
| 91-20-3 | Naphthalene | 150 | J | 210 | 23 |
| 85-01-8 | Phenanthrene | 1300 | | 42 | 21 |
| 129-00-0 | Pyrene | 1400 | | 110 | 20 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 74 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\1CD10010.D
 Lab Smp Id: 680-88811-A-80-A Client Smp ID: CV1054B-CS
 Inj Date : 10-APR-2013 14:19
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : 680-88811-a-80-a
 Misc Info : 680-88811-A-80-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:25 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 10
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.800 | Weight Extracted |
| M | 23.333 | % 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 | | 3.680 | 3.680 | (1.000) | 417052 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 4.768 | 4.768 | (1.000) | 300329 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 5.709 | 5.710 | (1.000) | 567489 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 5.962 | 5.963 | (1.044) | 10514 | 1.86046 | 655.8612 | |
| * 18 Chrysene-d12 | 240 | | 7.645 | 7.645 | (1.000) | 628103 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 8.809 | 8.809 | (1.000) | 596593 | 40.0000 | | |
| 2 Naphthalene | 128 | | 3.692 | 3.692 | (1.003) | 4469 | 0.41720 | 147.0739(Q) | |
| 3 2-Methylnaphthalene | 142 | | 4.121 | 4.121 | (1.120) | 3158 | 0.43309 | 152.6763 | |
| 4 1-Methylnaphthalene | 142 | | 4.180 | 4.180 | (1.136) | 3826 | 0.58313 | 205.5682 | |
| 5 Acenaphthylene | 152 | | 4.680 | 4.680 | (0.981) | 2941 | 0.23661 | 83.4102 | |
| 7 Acenaphthene | 154 | | 4.786 | 4.786 | (1.004) | 3391 | 0.44047 | 155.2756 | |
| 9 Fluorene | 166 | | 5.098 | 5.104 | (1.069) | 3195 | 0.31131 | 109.7448 | |
| 11 Phenanthrene | 178 | | 5.727 | 5.727 | (1.003) | 59144 | 3.57843 | 1261.4913 | |
| 12 Anthracene | 178 | | 5.762 | 5.763 | (1.009) | 9894 | 0.59053 | 208.1772 | |

| Compounds | QUANT SIG | MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|------|--------|--------|---------|----------|----------------------|------------------|
| | | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 13 Carbazole | | 167 | 5.868 | 5.868 | (1.028) | 9609 | 0.66942 | 235.9868 |
| 15 Fluoranthene | | 202 | 6.556 | 6.557 | (1.148) | 87224 | 4.77861 | 1684.5864 |
| 16 Pyrene | | 202 | 6.727 | 6.727 | (0.880) | 70938 | 4.07715 | 1437.3015 |
| 17 Benzo(a)anthracene | | 228 | 7.639 | 7.639 | (0.999) | 47528 | 2.74717 | 968.4488 |
| 19 Chrysene | | 228 | 7.668 | 7.668 | (1.003) | 45170 | 2.52372 | 889.6775 |
| 20 Benzo(b)fluoranthene | | 252 | 8.474 | 8.474 | (0.962) | 56746 | 3.36448 | 1186.0690 |
| 21 Benzo(k)fluoranthene | | 252 | 8.492 | 8.498 | (0.964) | 21649 | 1.32713 | 467.8484(Q) |
| 22 Benzo(a)pyrene | | 252 | 8.750 | 8.756 | (0.993) | 31114 | 1.95943 | 690.7500 |
| 24 Indeno(1,2,3-cd)pyrene | | 276 | 9.939 | 9.939 | (1.128) | 19897 | 1.31924 | 465.0672(M) |
| 25 Dibenzo(a,h)anthracene | | 278 | 9.944 | 9.950 | (1.129) | 8892 | 0.63823 | 224.9917 |
| 26 Benzo(g,h,i)perylene | | 276 | 10.268 | 10.280 | (1.166) | 23238 | 1.50963 | 532.1856(M) |

QC Flag Legend

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

Data File: 1CD10010.D

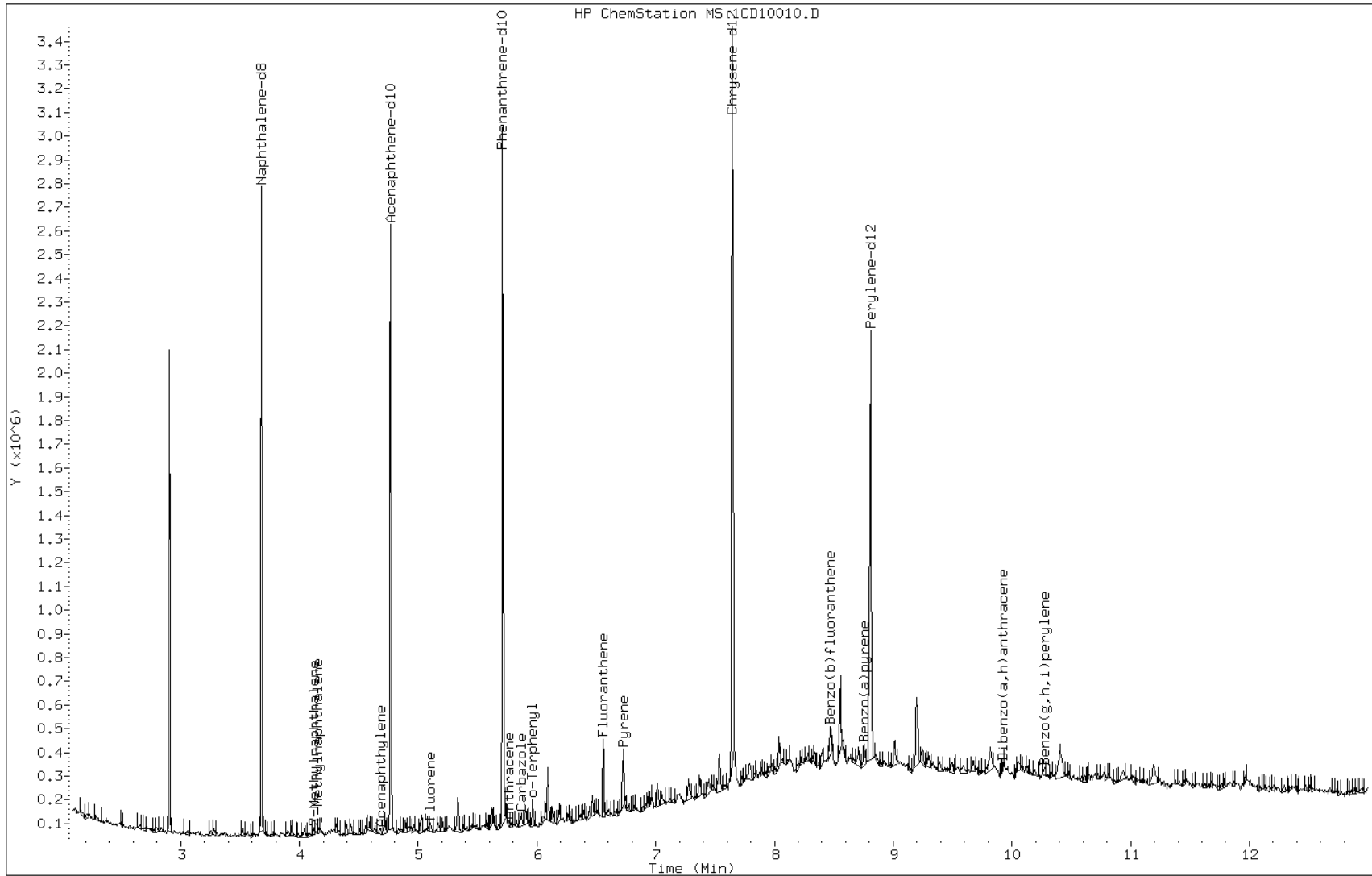
Date: 10-APR-2013 14:19

Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

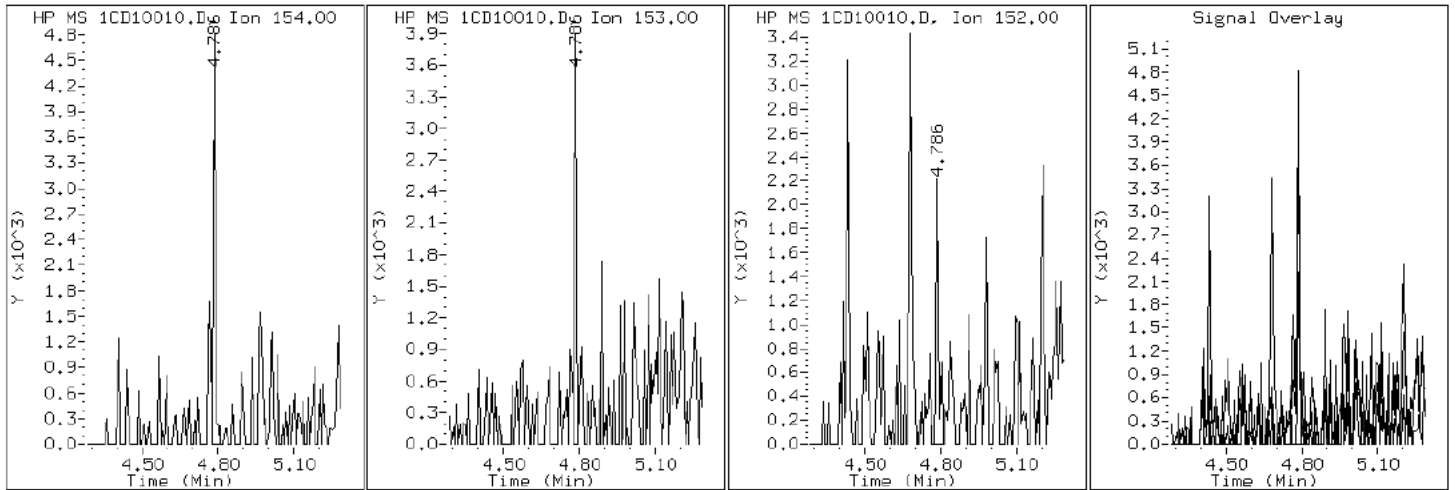
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

7 Acenaphthene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

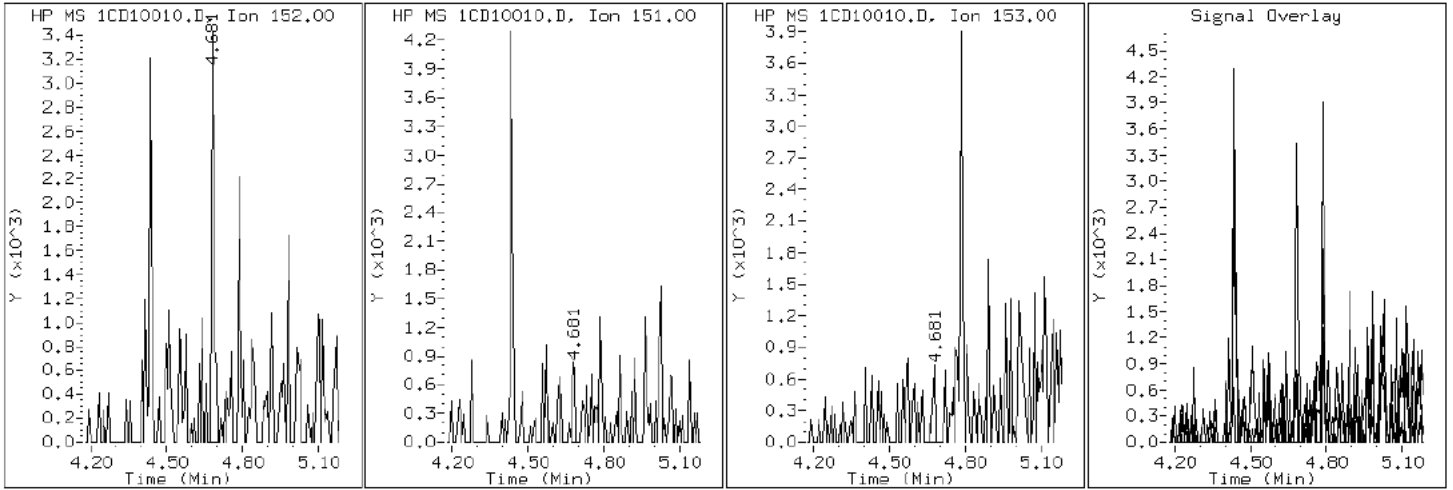
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

5 Acenaphthylene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

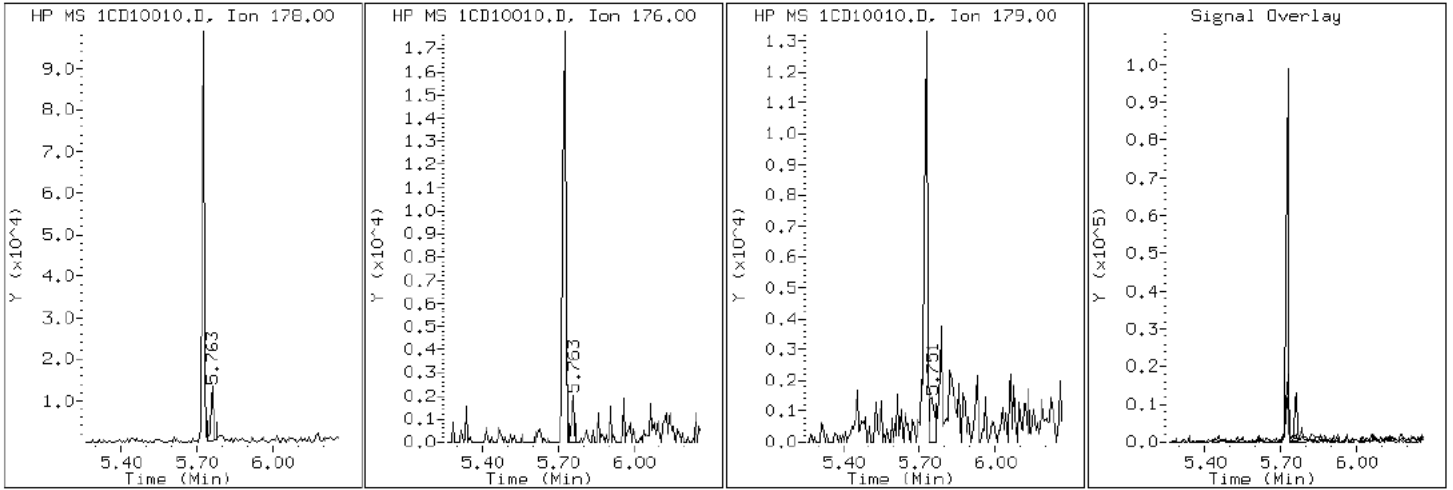
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

12 Anthracene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

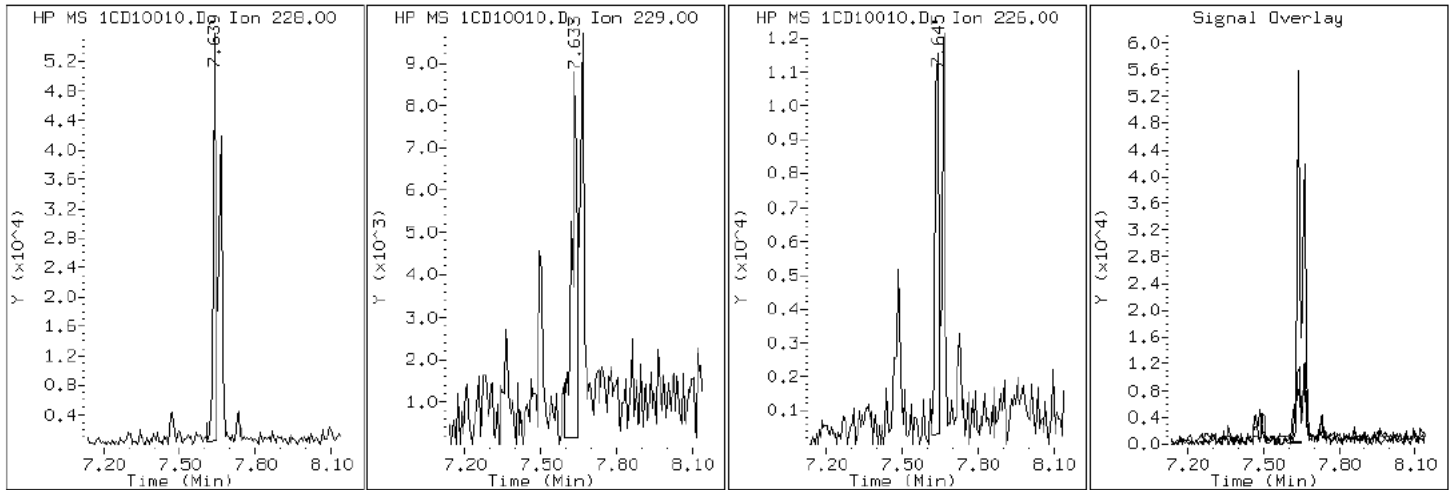
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

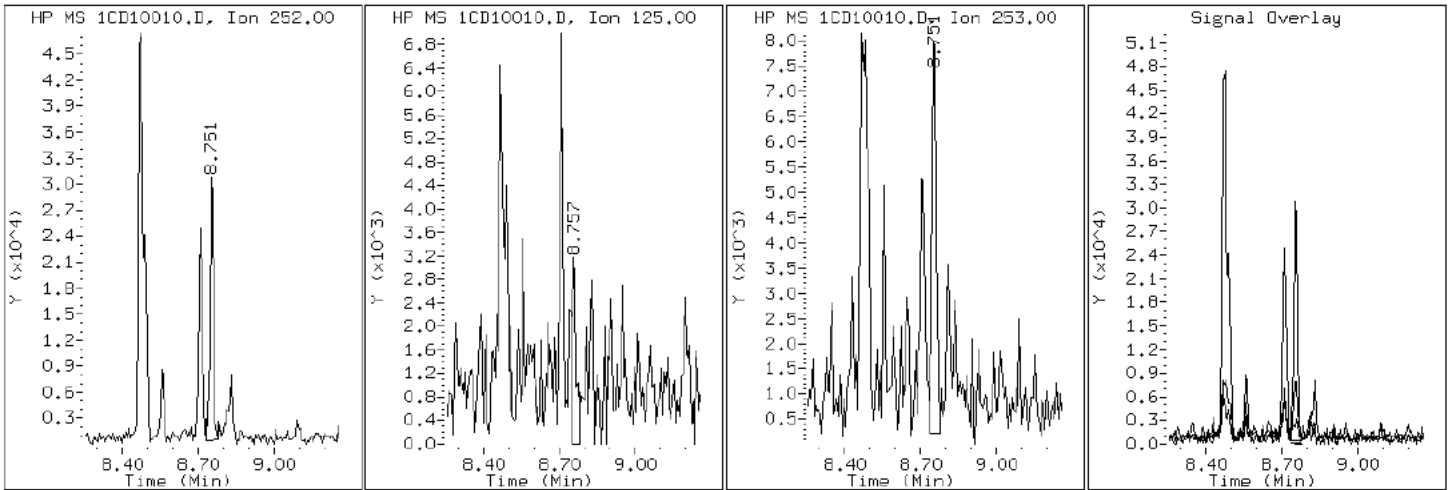
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

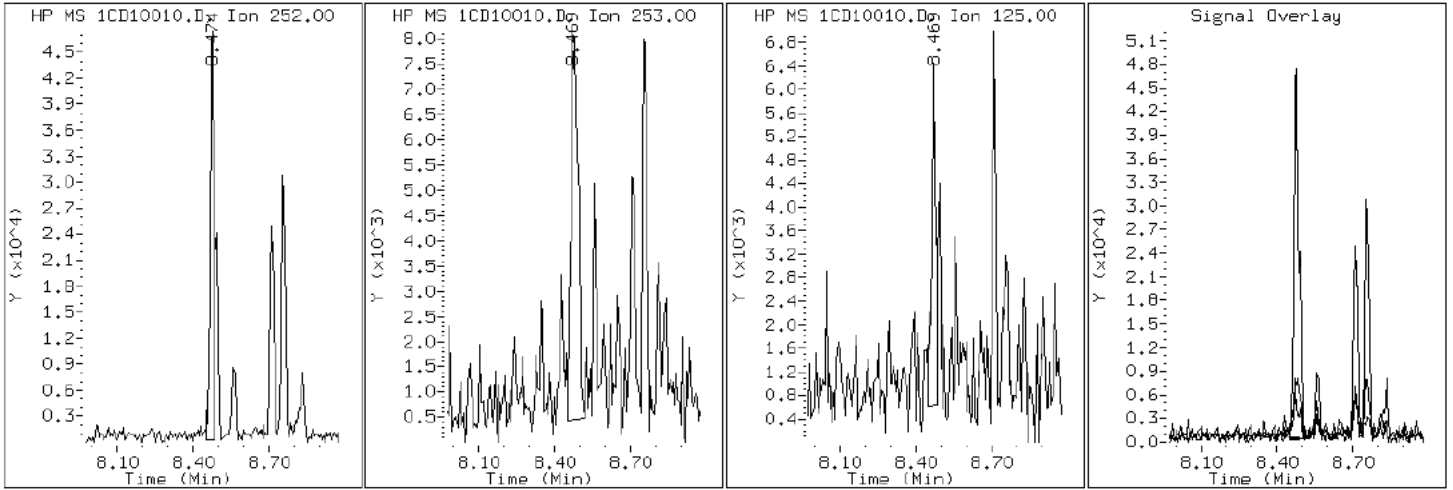
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

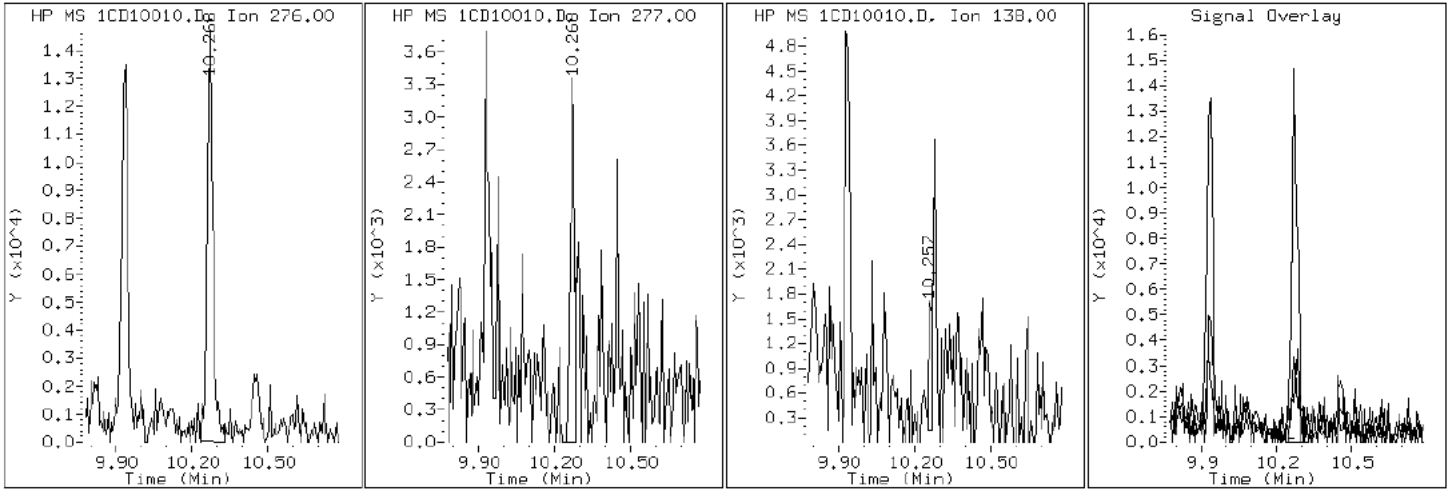
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

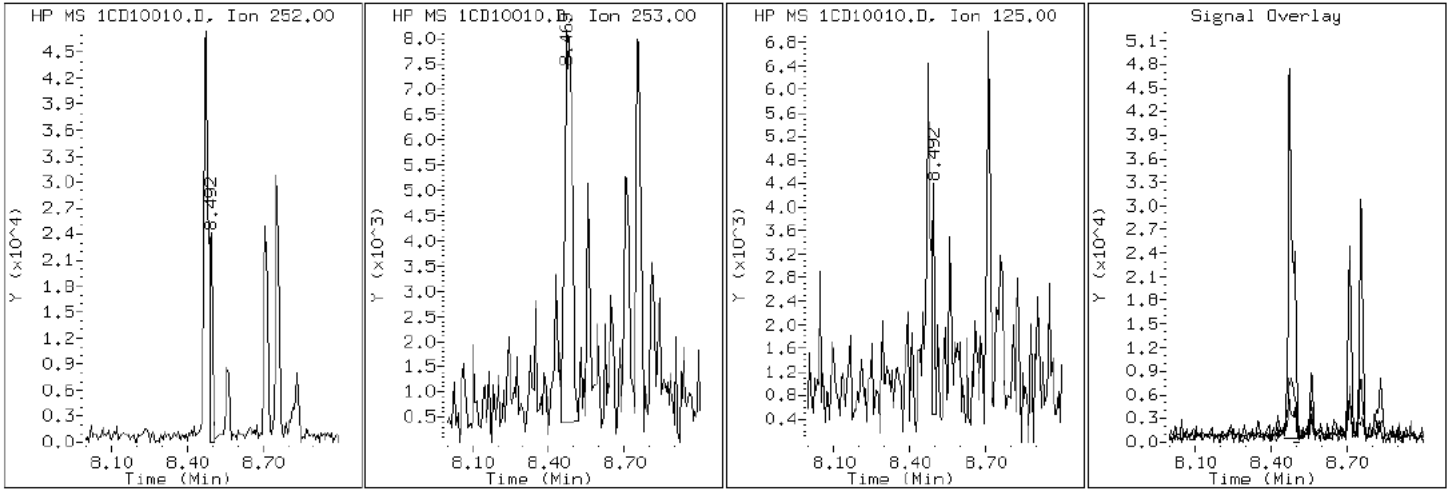
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

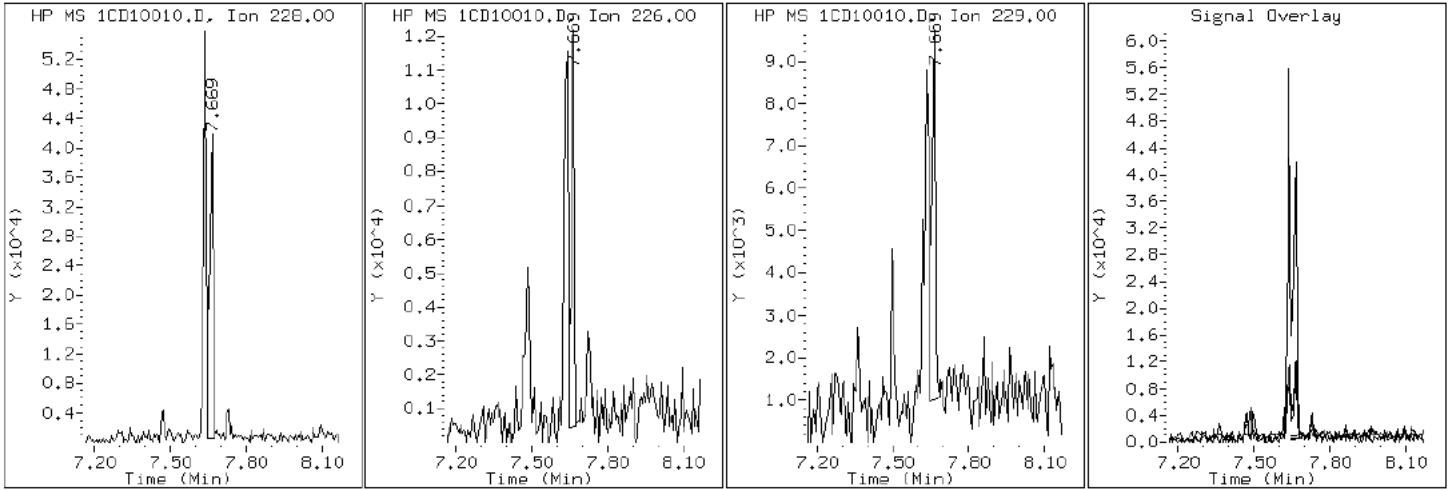
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

19 Chrysene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

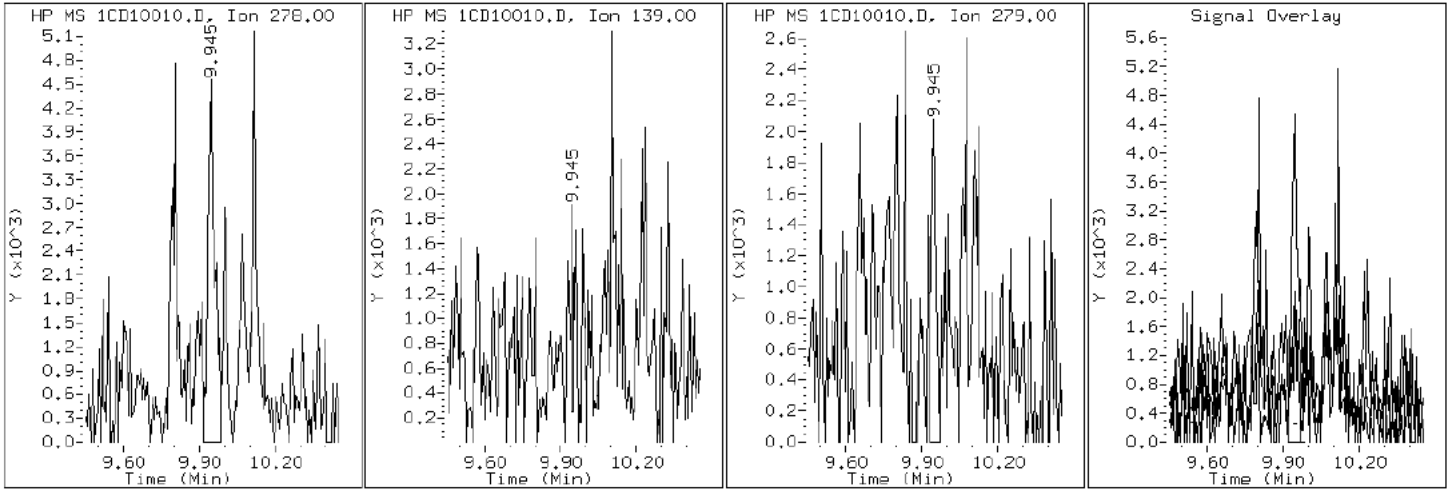
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

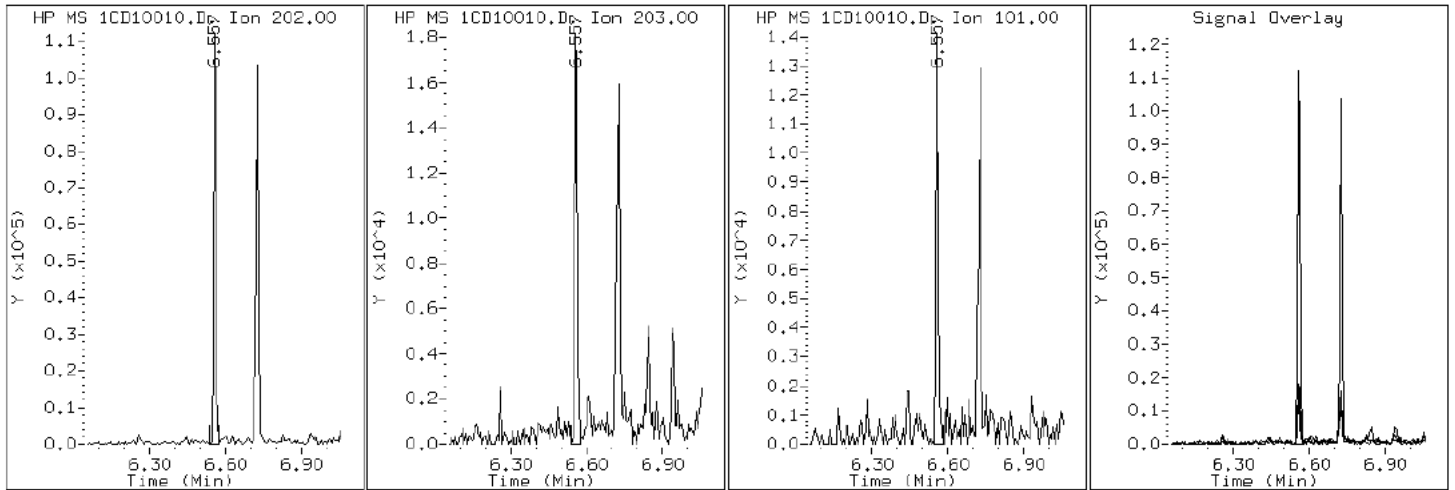
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

15 Fluoranthene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

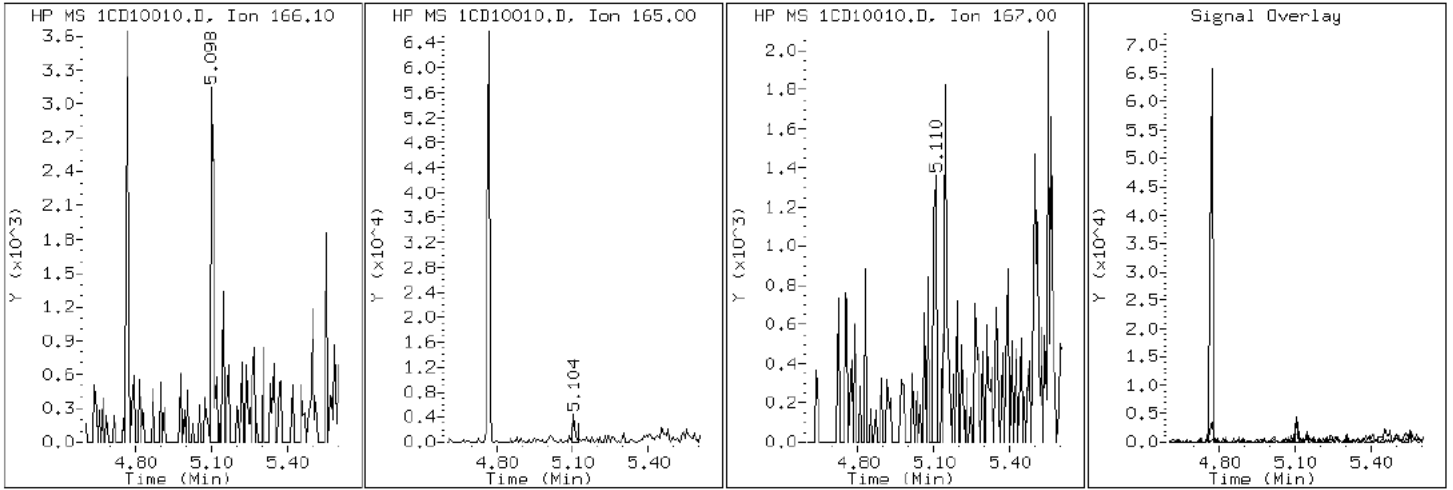
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

9 Fluorene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

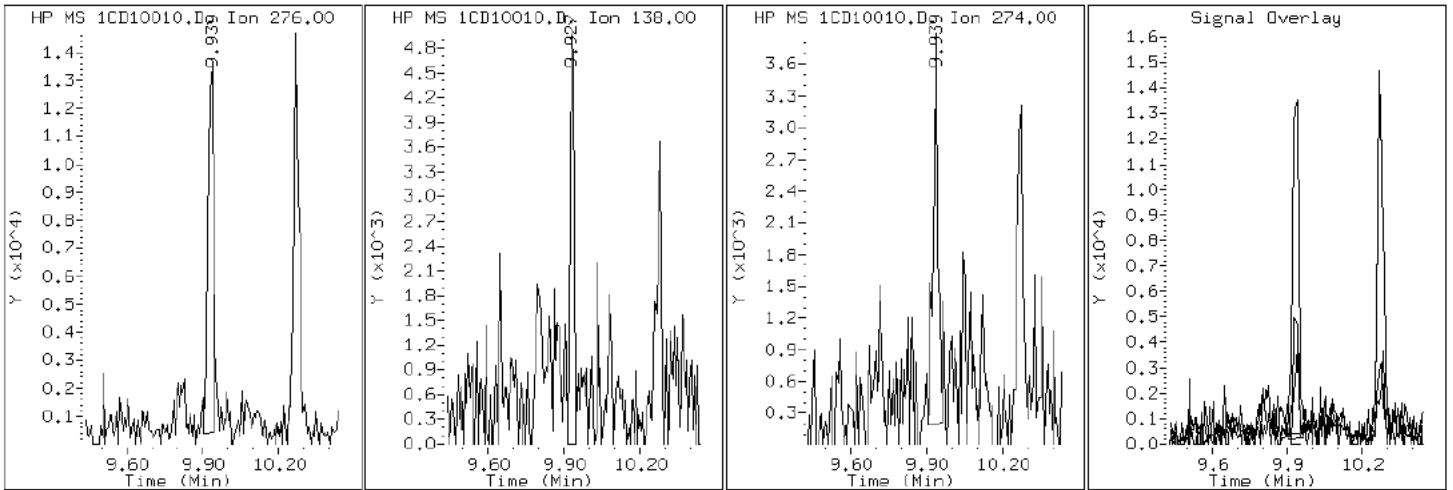
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

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



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

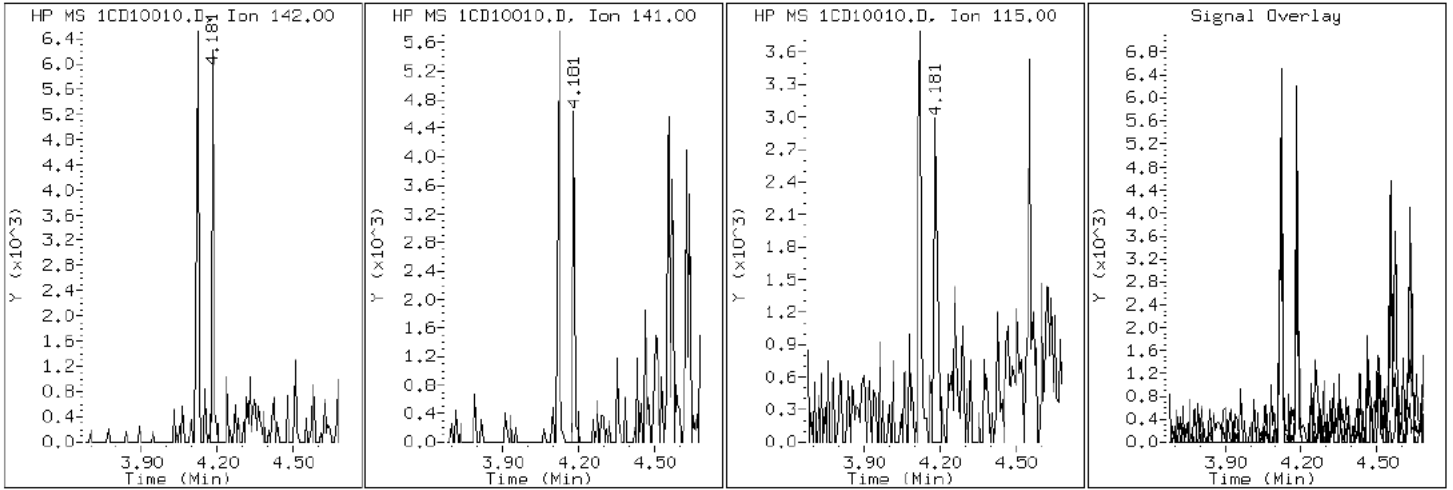
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

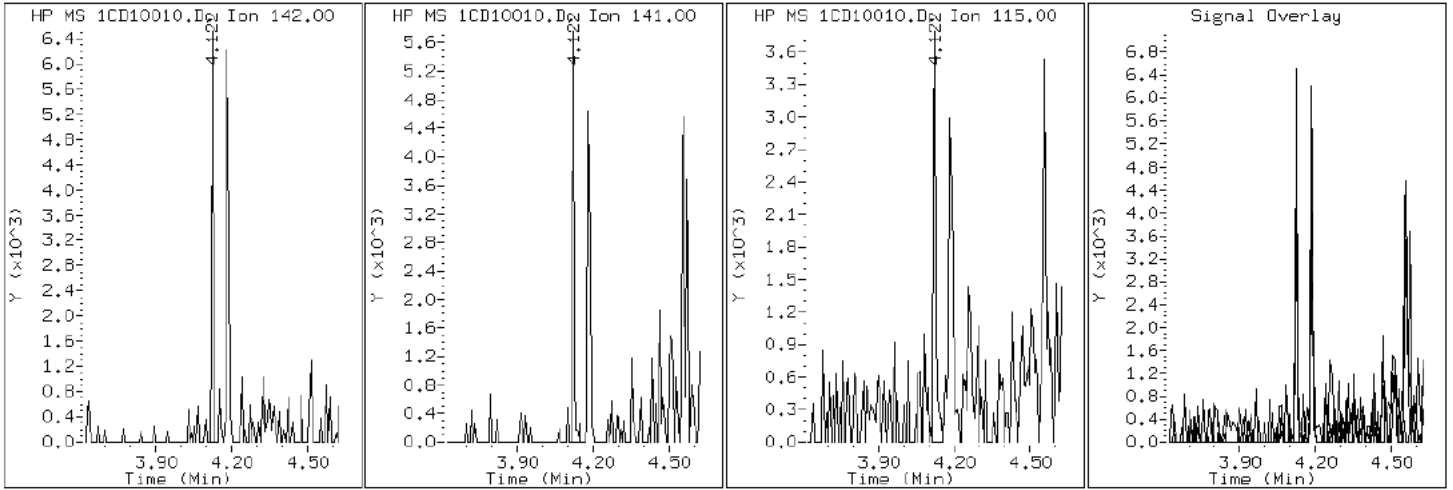
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

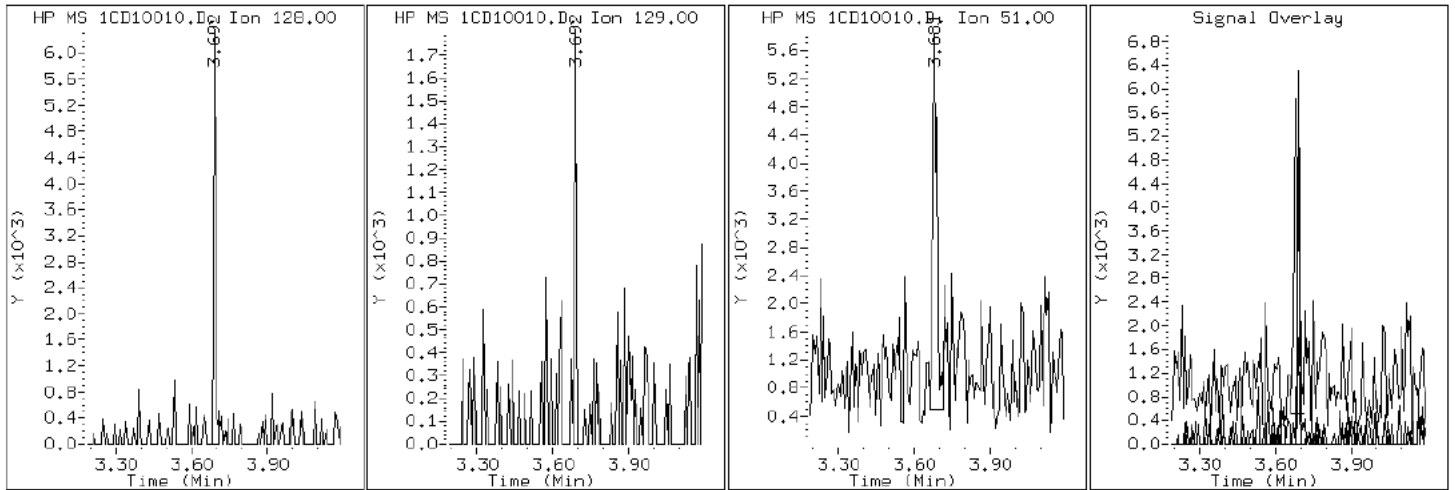
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

2 Naphthalene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

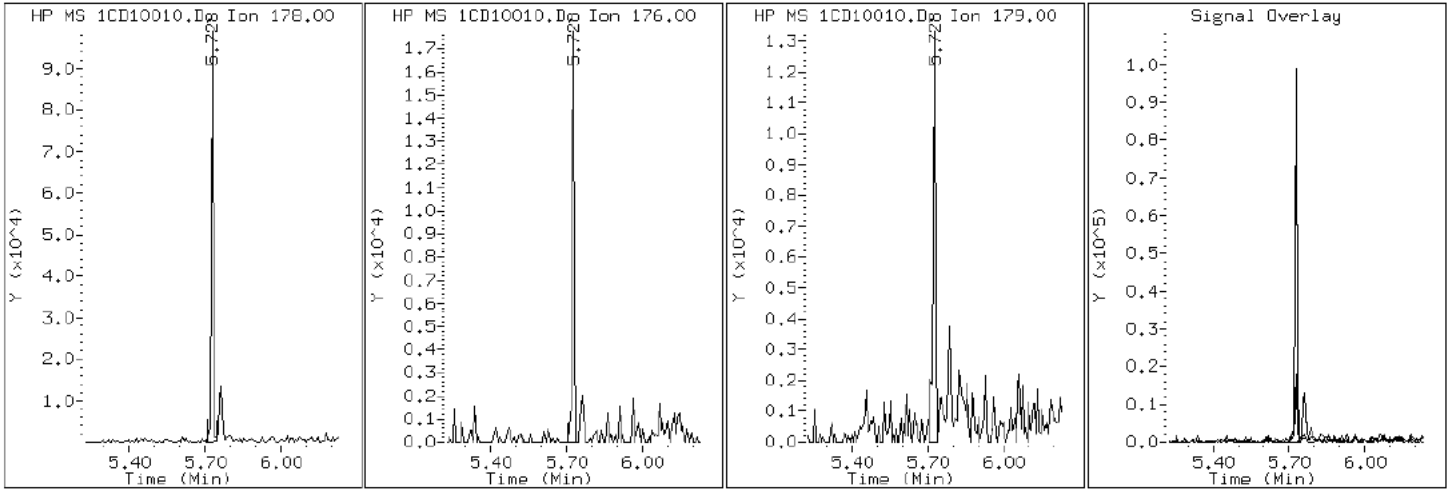
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

11 Phenanthrene



Data File: 1CD10010.D

Date: 10-APR-2013 14:19

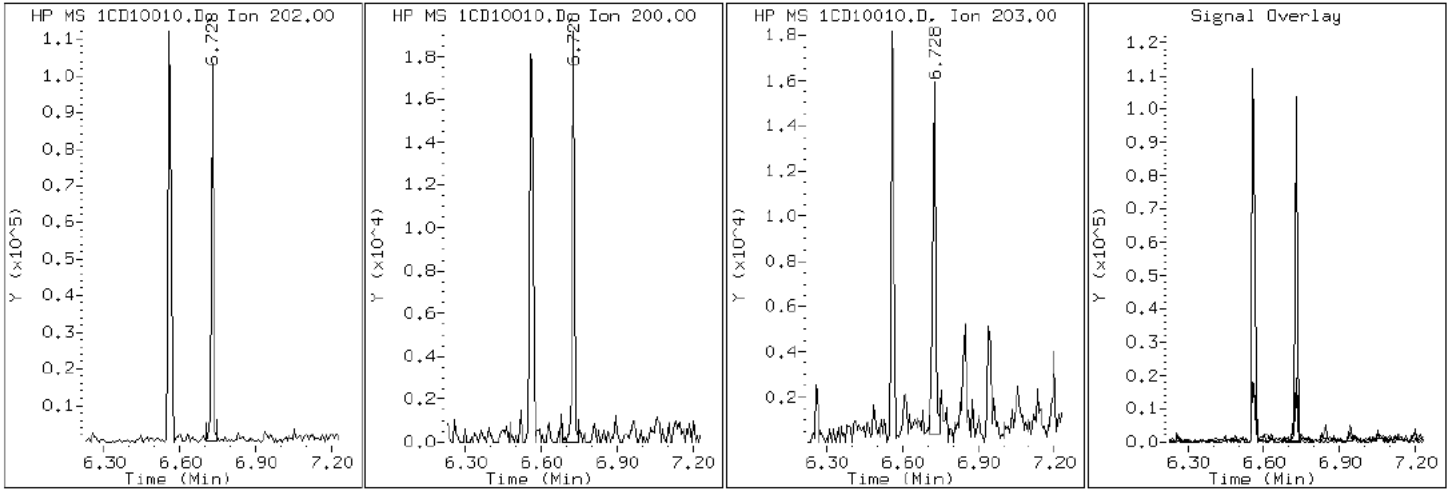
Client ID: CV1054B-CS

Instrument: BSMC5973.i

Sample Info: 680-88811-a-80-a

Operator: SCC

16 Pyrene

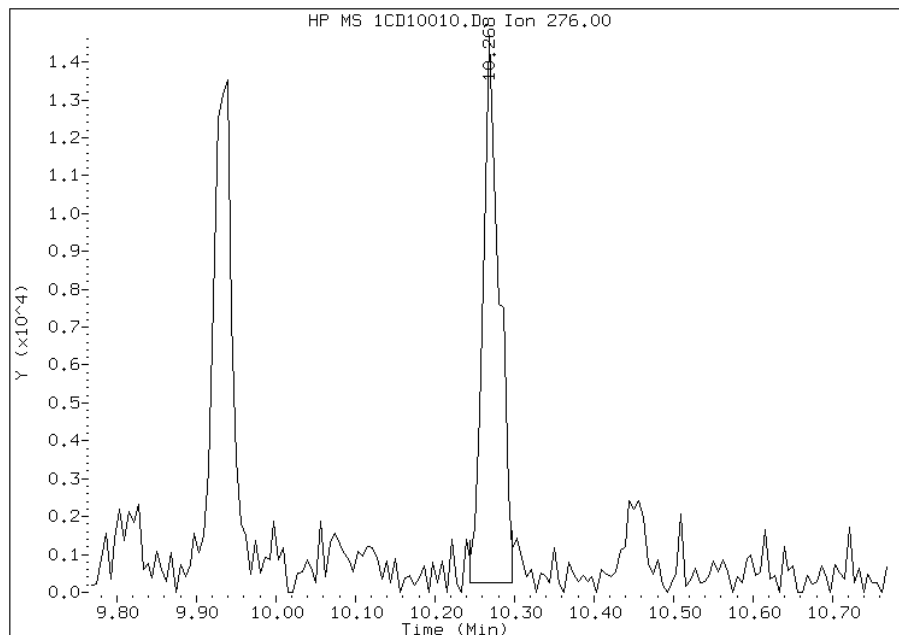


Manual Integration Report

Data File: 1CD10010.D
Inj. Date and Time: 10-APR-2013 14:19
Instrument ID: BSMC5973.i
Client ID: CV1054B-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/10/2013

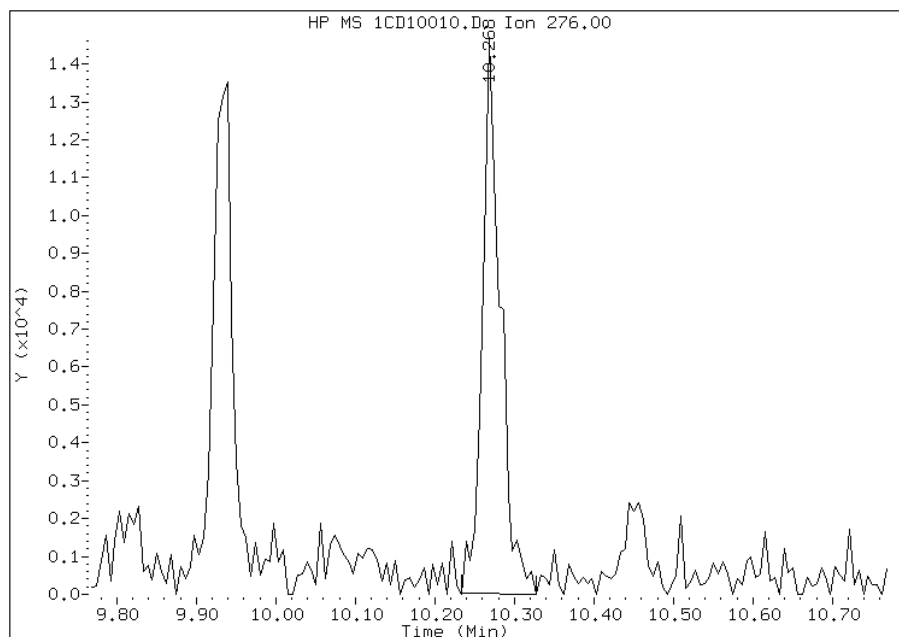
Processing Integration Results

RT: 10.27
Response: 20718
Amount: 1
Conc: 474



Manual Integration Results

RT: 10.27
Response: 23238
Amount: 2
Conc: 532



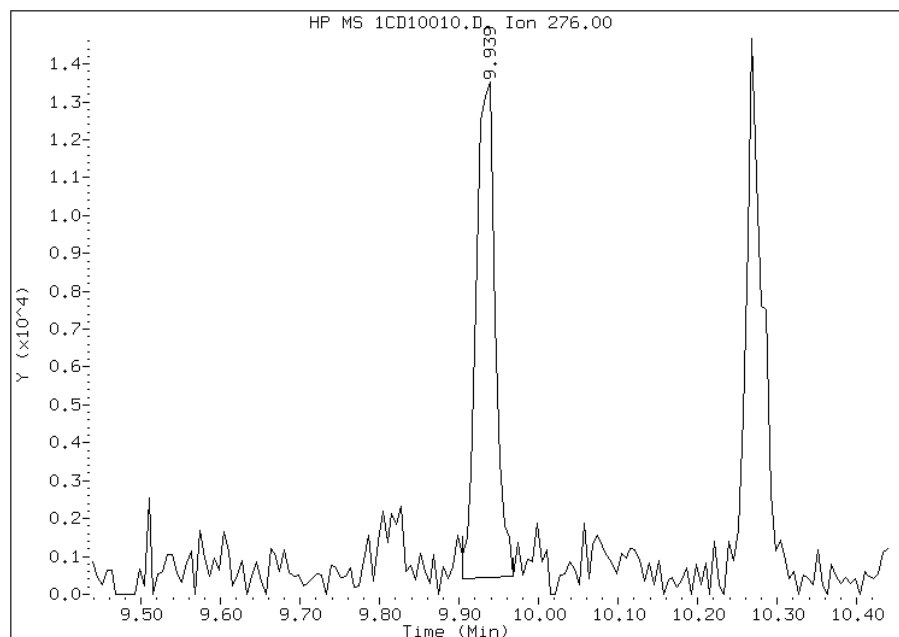
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:06
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CD10010.D
Inj. Date and Time: 10-APR-2013 14:19
Instrument ID: BSMC5973.i
Client ID: CV1054B-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

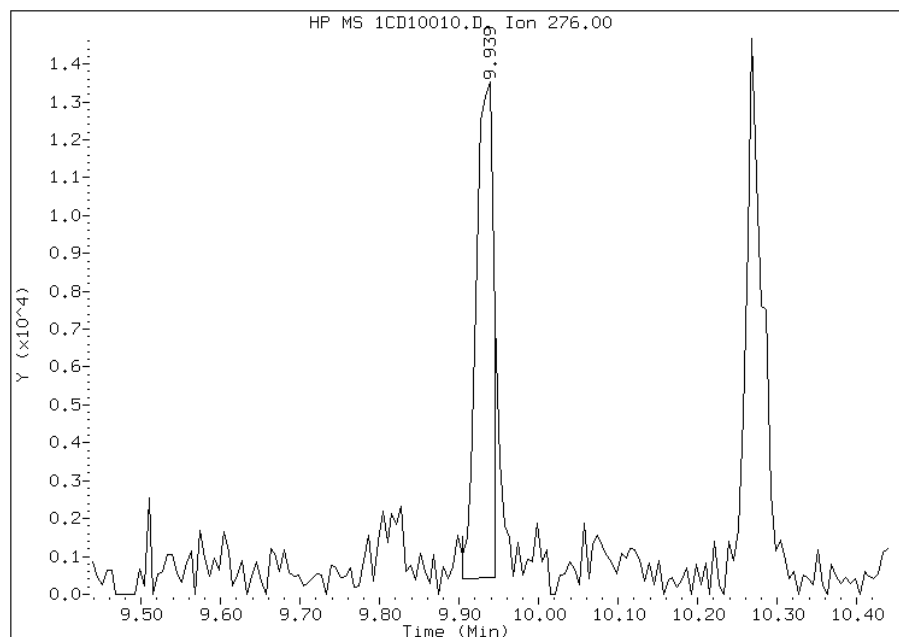
Processing Integration Results

RT: 9.94
Response: 21809
Amount: 1
Conc: 510



Manual Integration Results

RT: 9.94
Response: 19897
Amount: 1
Conc: 465



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:07
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1136A-CS Lab Sample ID: 680-88811-81
 Matrix: Solid Lab File ID: 1AD10007.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:55
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.42(g) Date Analyzed: 04/10/2013 13:42
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 16.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 470 | U | 470 | 93 |
| 208-96-8 | Acenaphthylene | 180 | J | 190 | 23 |
| 120-12-7 | Anthracene | 180 | | 39 | 20 |
| 56-55-3 | Benzo[a]anthracene | 390 | | 37 | 18 |
| 50-32-8 | Benzo[a]pyrene | 130 | | 48 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 700 | | 57 | 28 |
| 191-24-2 | Benzo[g,h,i]perylene | 420 | | 93 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 250 | | 37 | 17 |
| 218-01-9 | Chrysene | 590 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 140 | | 93 | 19 |
| 206-44-0 | Fluoranthene | 540 | | 93 | 19 |
| 86-73-7 | Fluorene | 93 | U | 93 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 450 | | 93 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 270 | | 190 | 20 |
| 91-57-6 | 2-Methylnaphthalene | 290 | | 190 | 33 |
| 91-20-3 | Naphthalene | 220 | | 190 | 20 |
| 85-01-8 | Phenanthrene | 440 | | 37 | 18 |
| 129-00-0 | Pyrene | 660 | | 93 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 64 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10007.D
 Lab Smp Id: 680-88811-A-81-A Client Smp ID: CV1136A-CS
 Inj Date : 10-APR-2013 13:42
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-81-a
 Misc Info : 680-88811-A-81-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 7
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.420 | Weight Extracted |
| M | 16.348 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.585 | 2.584 | (1.000) | 1643097 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.616 | 3.615 | (1.000) | 861556 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.567 | 4.571 | (1.000) | 1490567 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.866 | 4.870 | (1.065) | 53152 | 1.59876 | 495.7730 | |
| * 18 Chrysene-d12 | 240 | | 6.580 | 6.584 | (1.000) | 1347010 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.665 | 7.663 | (1.000) | 1392634 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.596 | 2.600 | (1.004) | 29511 | 0.71934 | 223.0681 | |
| 3 2-Methylnaphthalene | 141 | | 3.002 | 3.000 | (1.161) | 28890 | 0.92662 | 287.3433 | |
| 4 1-Methylnaphthalene | 142 | | 3.055 | 3.059 | (1.182) | 29329 | 0.87444 | 271.1642 | |
| 5 Acenaphthylene | 152 | | 3.525 | 3.524 | (0.975) | 10278 | 0.58018 | 179.9140 | |
| 11 Phenanthrene | 178 | | 4.577 | 4.581 | (1.002) | 78851 | 1.40878 | 436.8616 | |
| 12 Anthracene | 178 | | 4.609 | 4.619 | (1.009) | 18784 | 0.57326 | 177.7680 | |
| 13 Carbazole | 167 | | 4.738 | 4.747 | (1.037) | 9155 | 0.22326 | 69.2326 | |
| 15 Fluoranthene | 202 | | 5.443 | 5.447 | (1.192) | 114264 | 1.74797 | 542.0427 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | | |
|---------------------------|-----------|--|----------------|--------|---------|----------|----------------------|------------------|
| | MASS | | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | | ----- | ----- | ----- | ----- | ----- | ----- |
| 16 Pyrene | 202 | | 5.608 | 5.612 | (0.852) | 109945 | 2.11815 | 656.8373 |
| 17 Benzo(a)anthracene | 228 | | 6.570 | 6.574 | (0.998) | 57182 | 1.27263 | 394.6413 |
| 19 Chrysene | 228 | | 6.596 | 6.606 | (1.002) | 87015 | 1.89882 | 588.8208 |
| 20 Benzo(b)fluoranthene | 252 | | 7.387 | 7.391 | (0.964) | 95440 | 2.26016 | 700.8733(M) |
| 21 Benzo(k)fluoranthene | 252 | | 7.397 | 7.412 | (0.965) | 37257 | 0.79440 | 246.3425(QM) |
| 22 Benzo(a)pyrene | 252 | | 7.611 | 7.615 | (0.993) | 52179 | 0.41257 | 127.9362 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 8.418 | 8.427 | (1.098) | 42323 | 1.45269 | 450.4779(M) |
| 25 Dibenzo(a,h)anthracene | 278 | | 8.444 | 8.459 | (1.102) | 15360 | 0.43627 | 135.2858 |
| 26 Benzo(g,h,i)perylene | 276 | | 8.631 | 8.651 | (1.126) | 51734 | 1.36392 | 422.9495(H) |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1AD10007.D

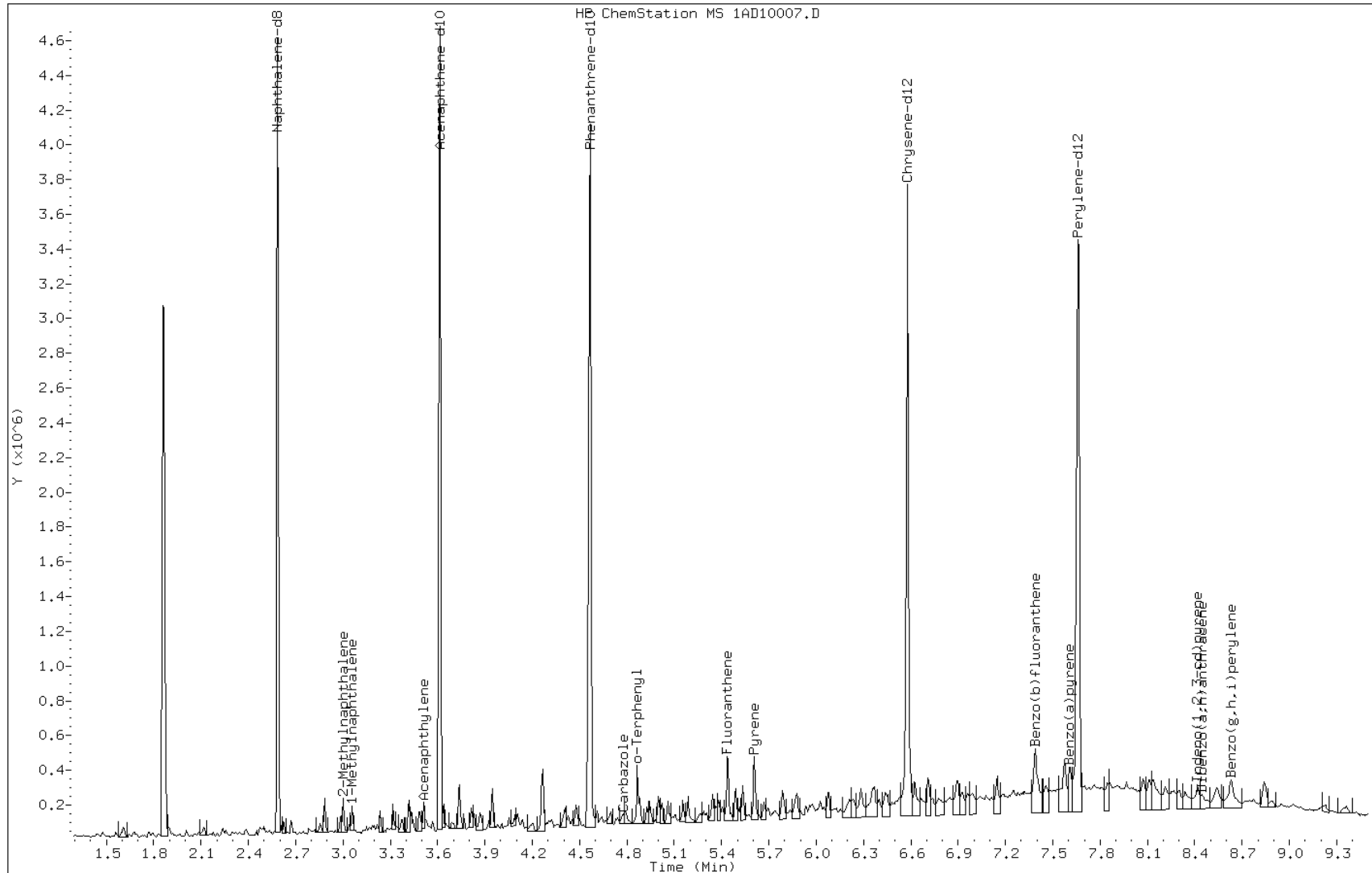
Date: 10-APR-2013 13:42

Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

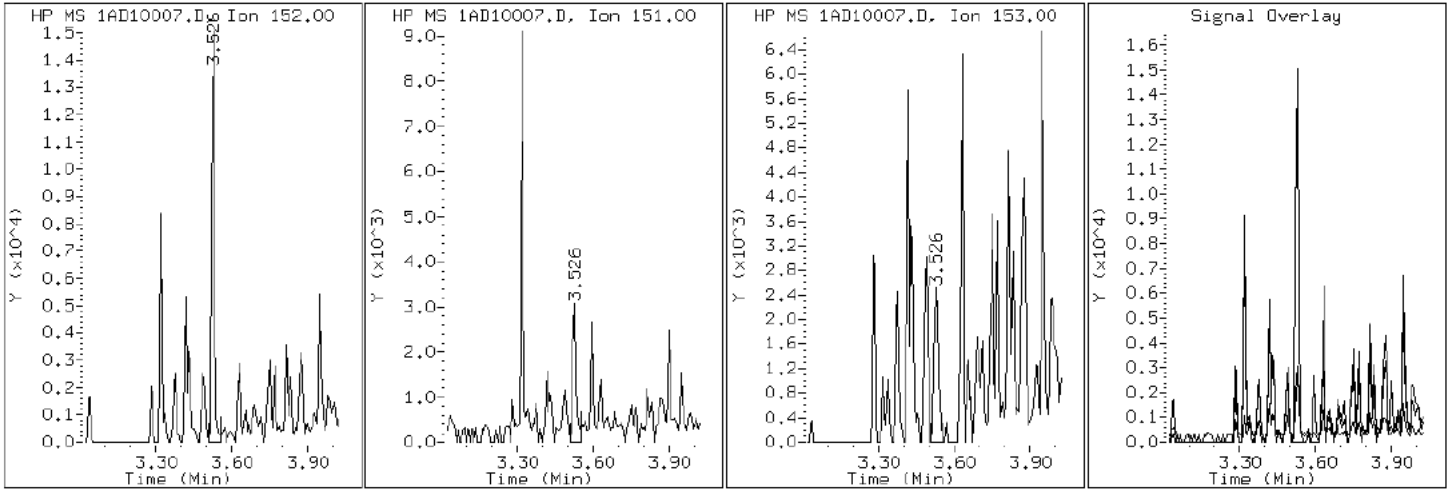
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

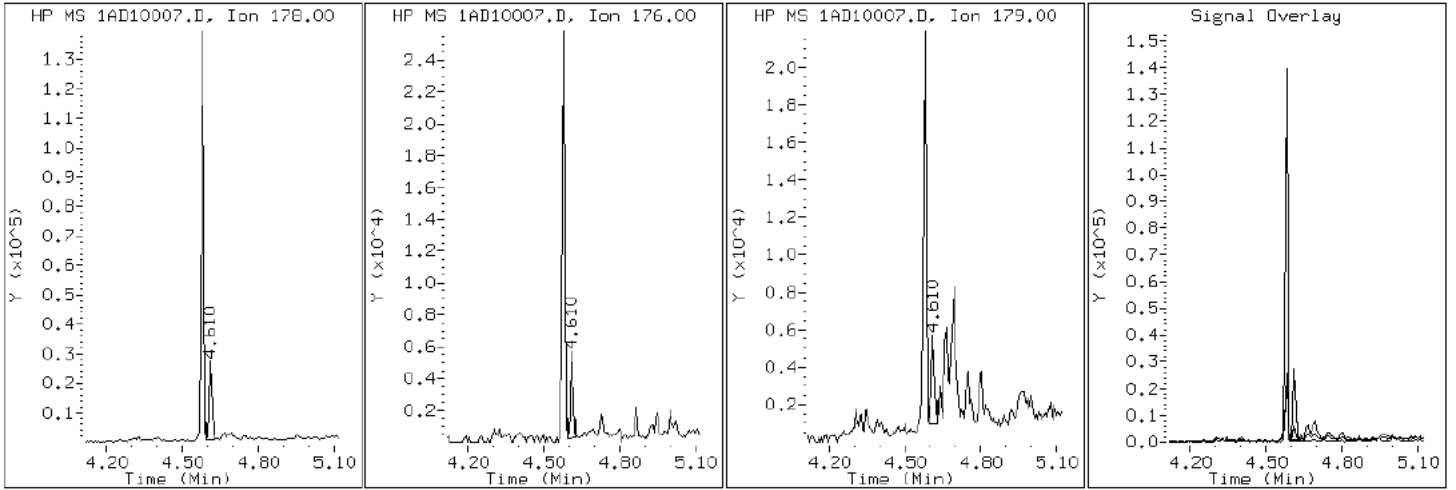
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

12 Anthracene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

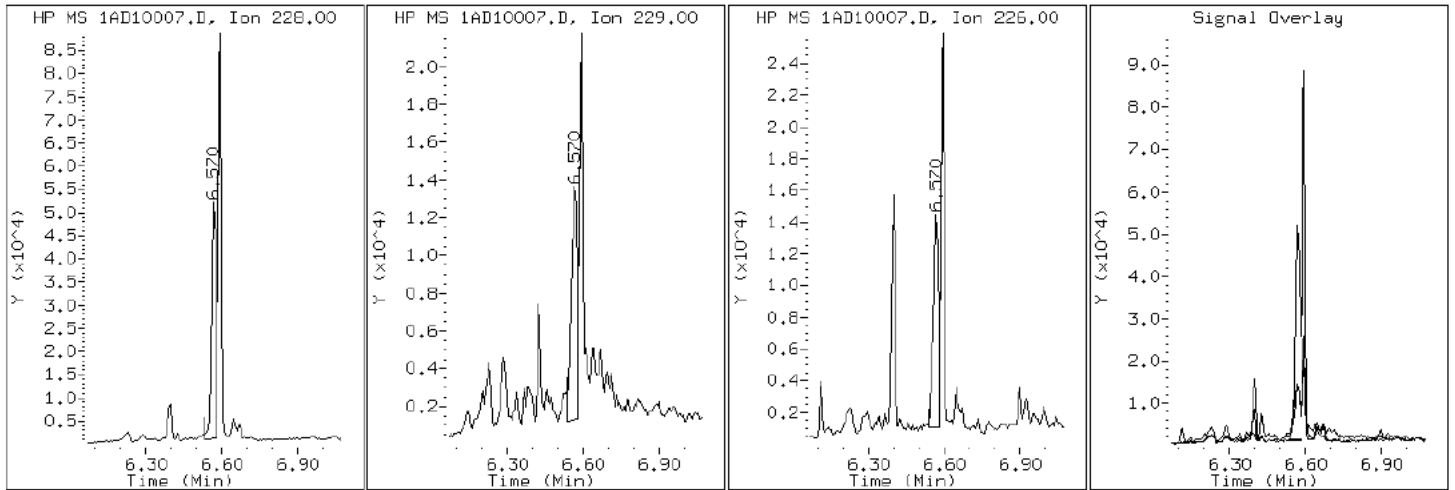
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

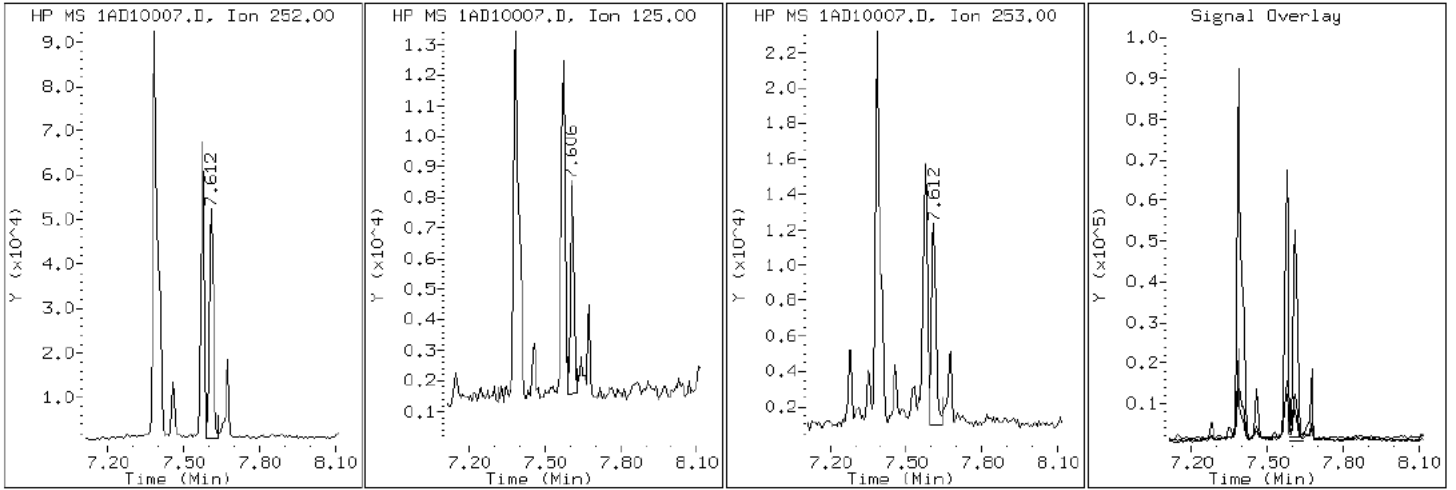
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

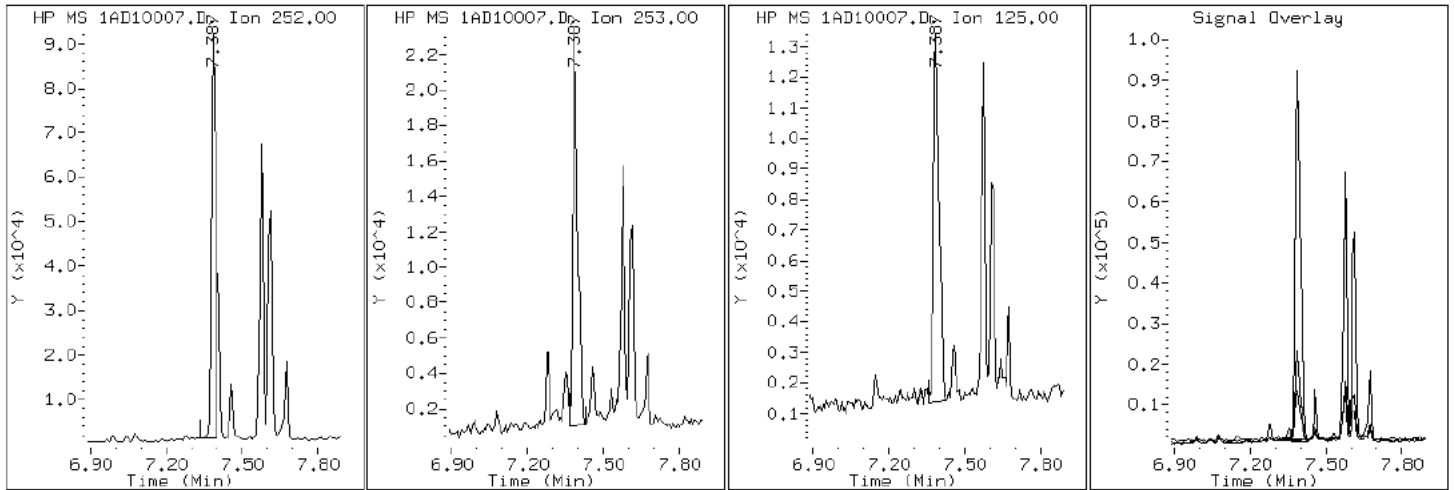
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

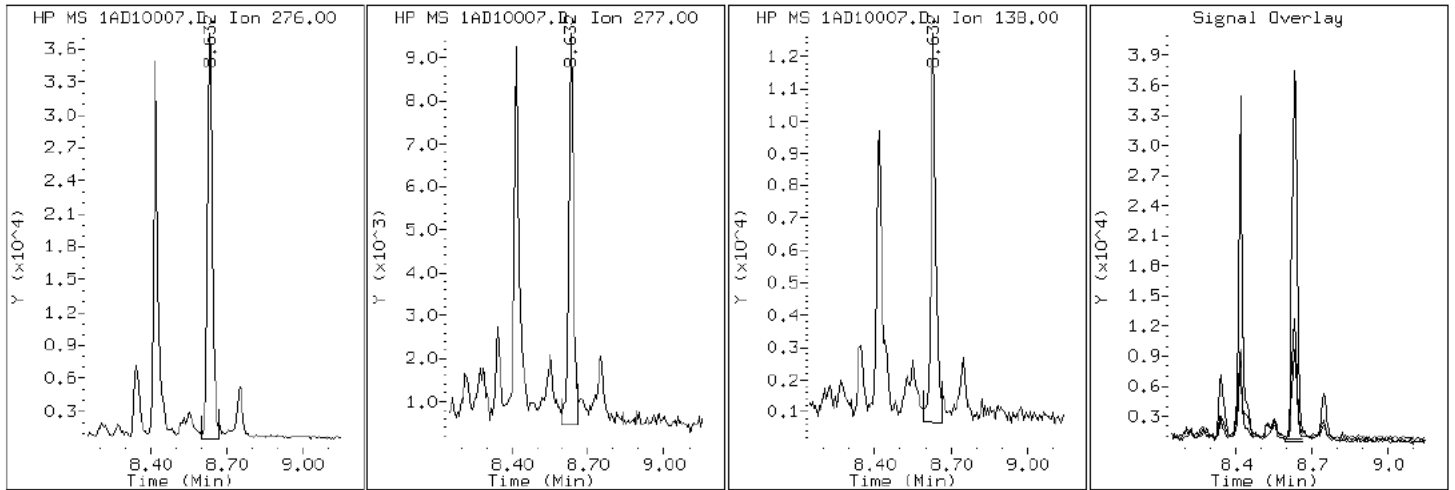
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

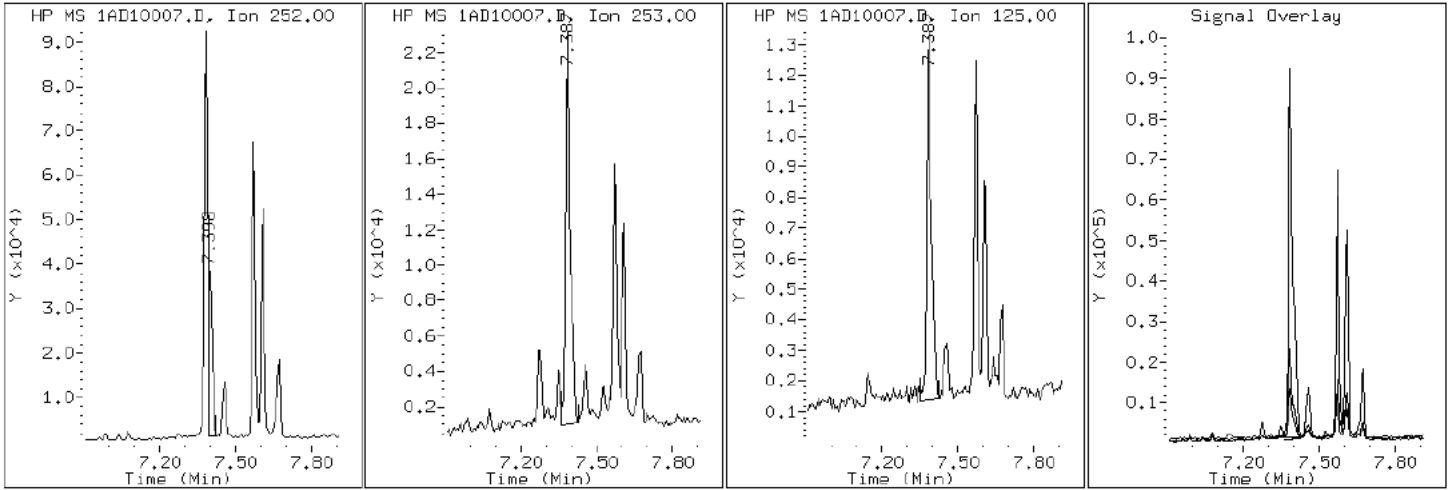
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

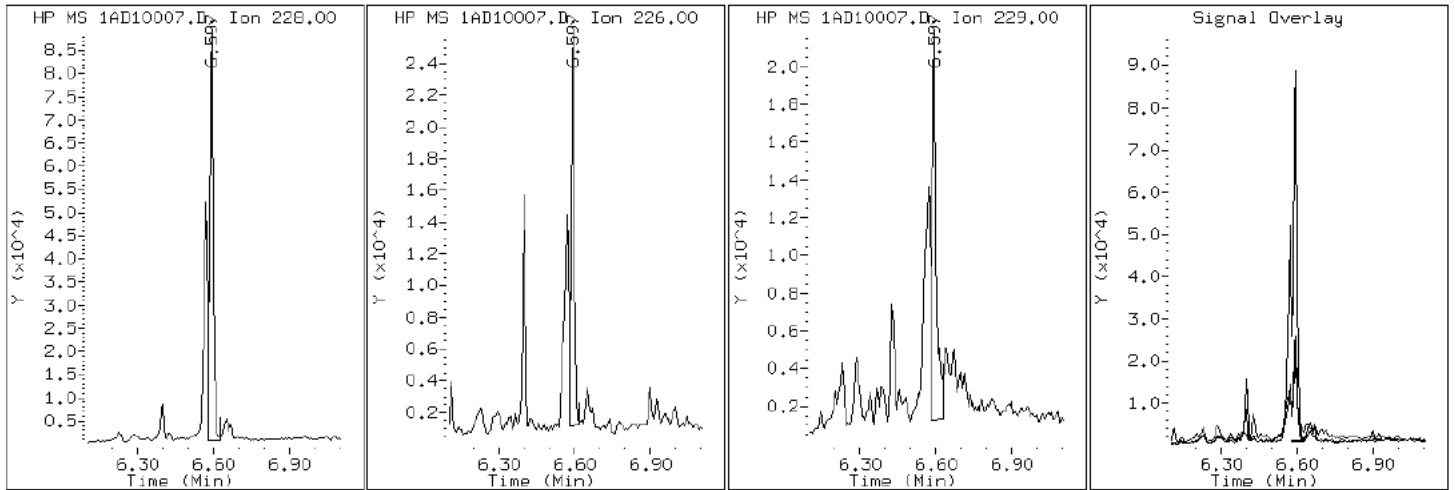
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

19 Chrysene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

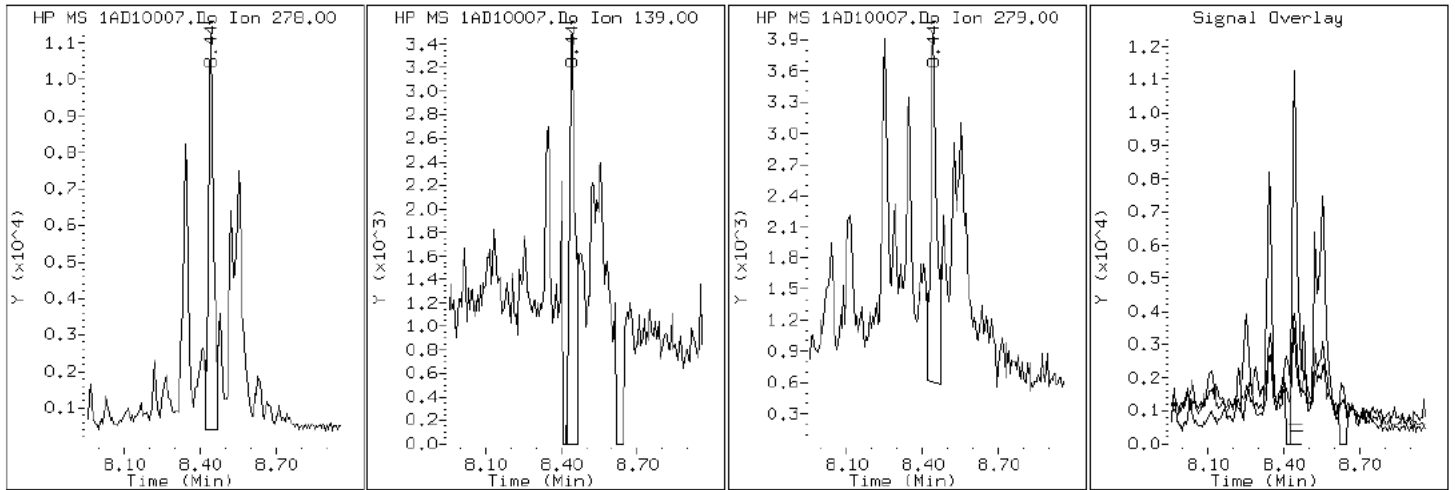
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

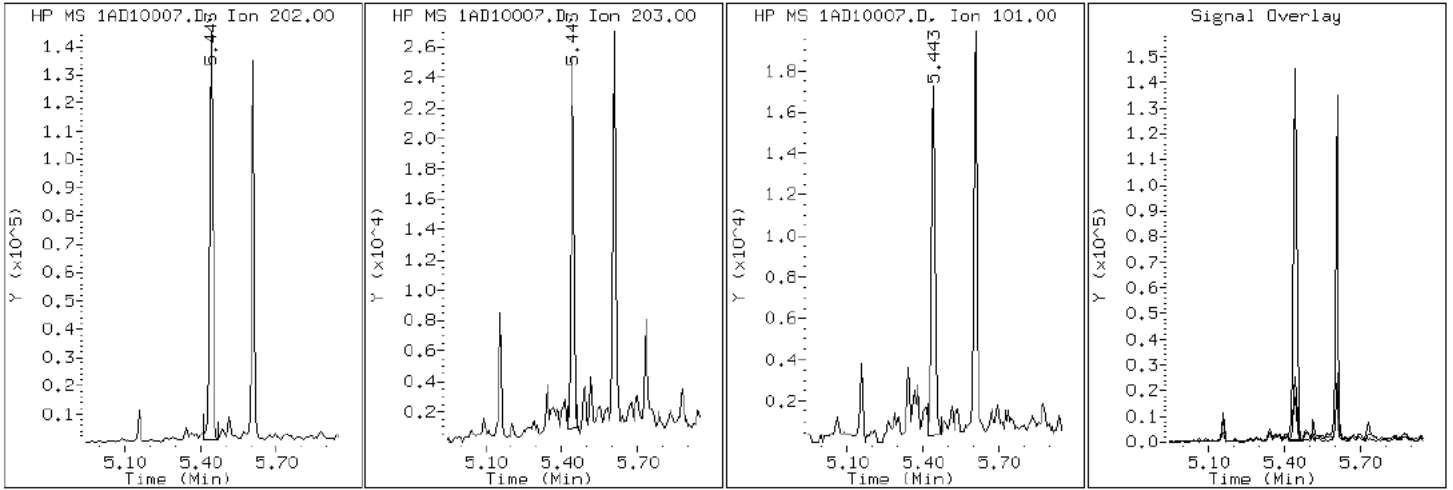
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

15 Fluoranthene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

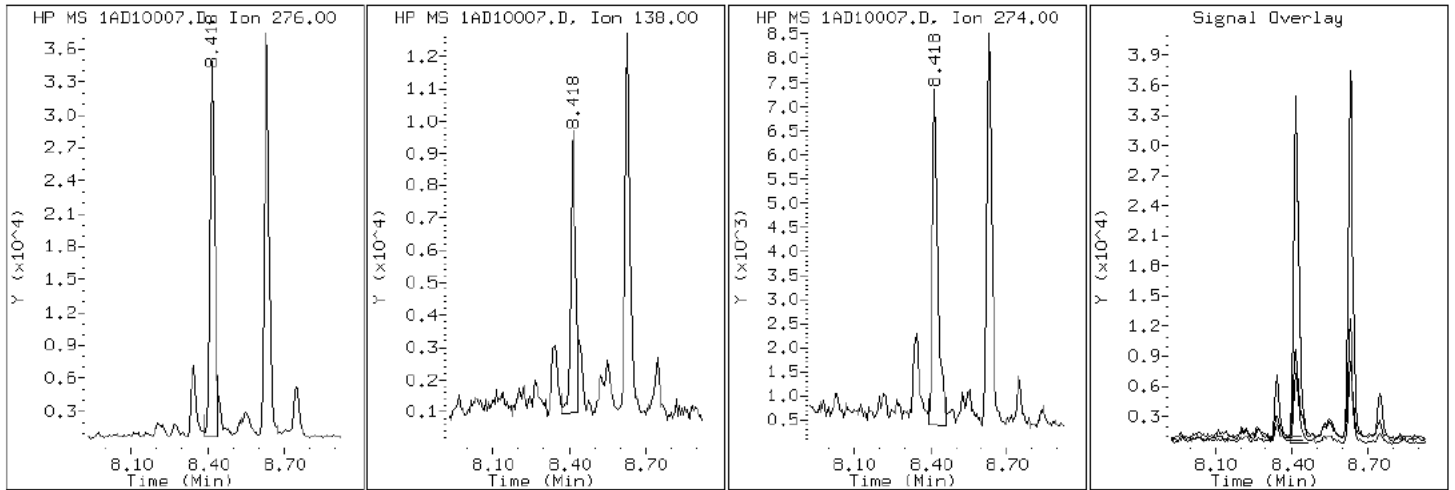
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

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



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

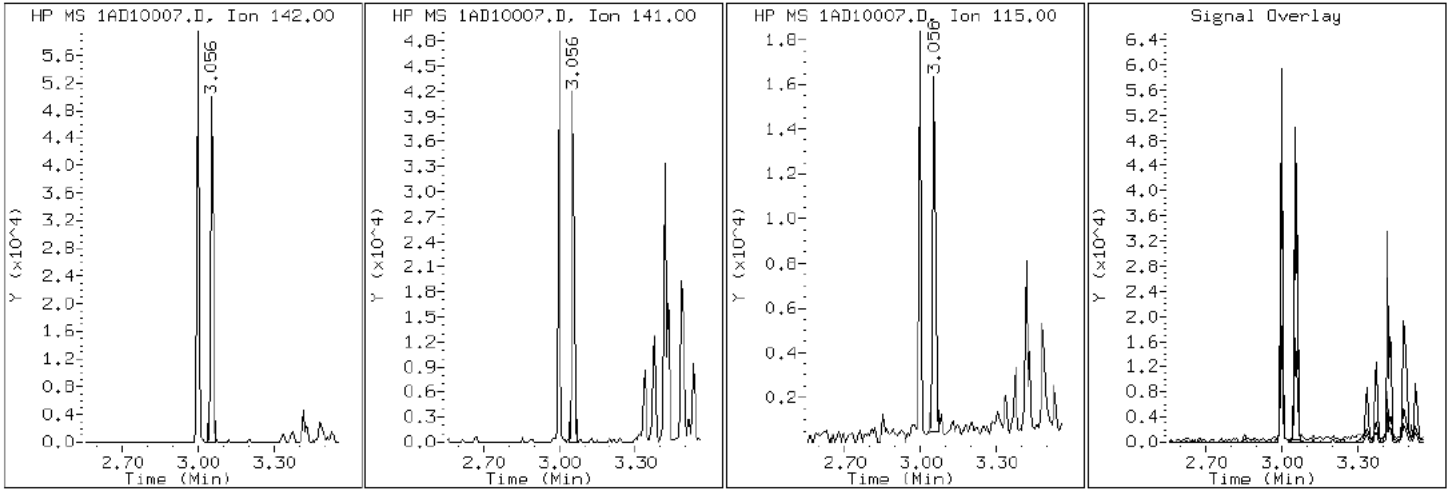
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

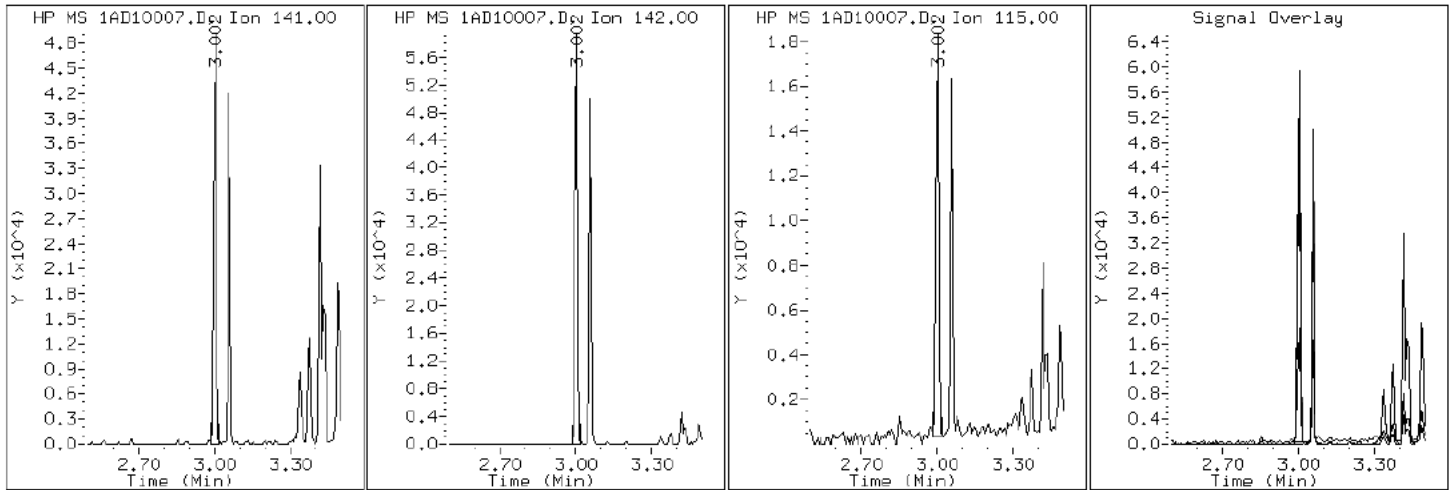
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

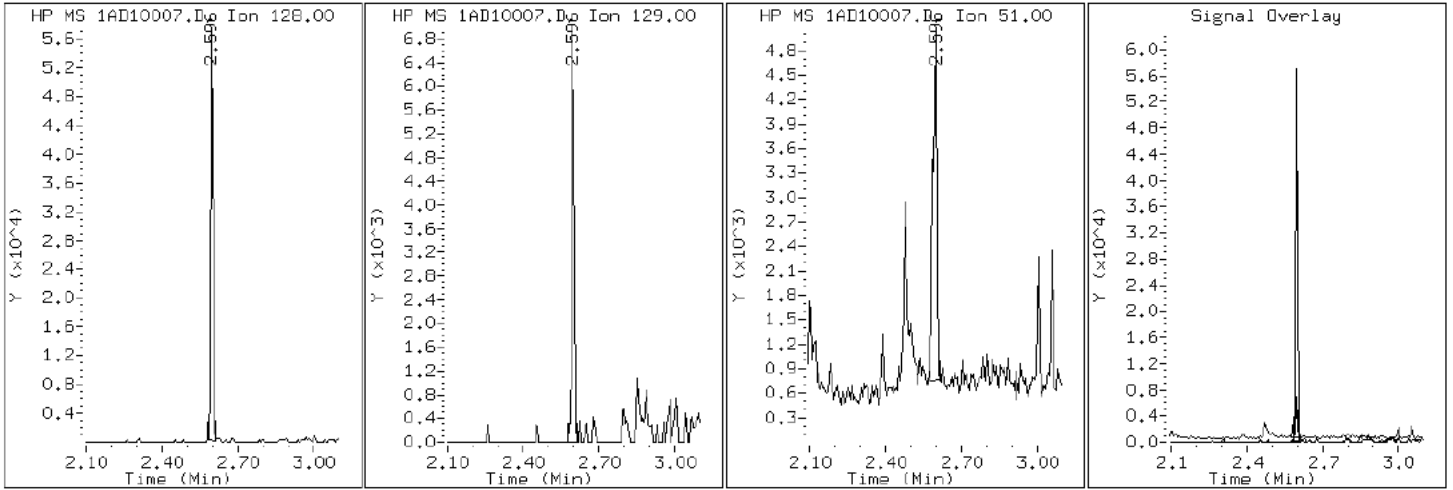
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

2 Naphthalene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

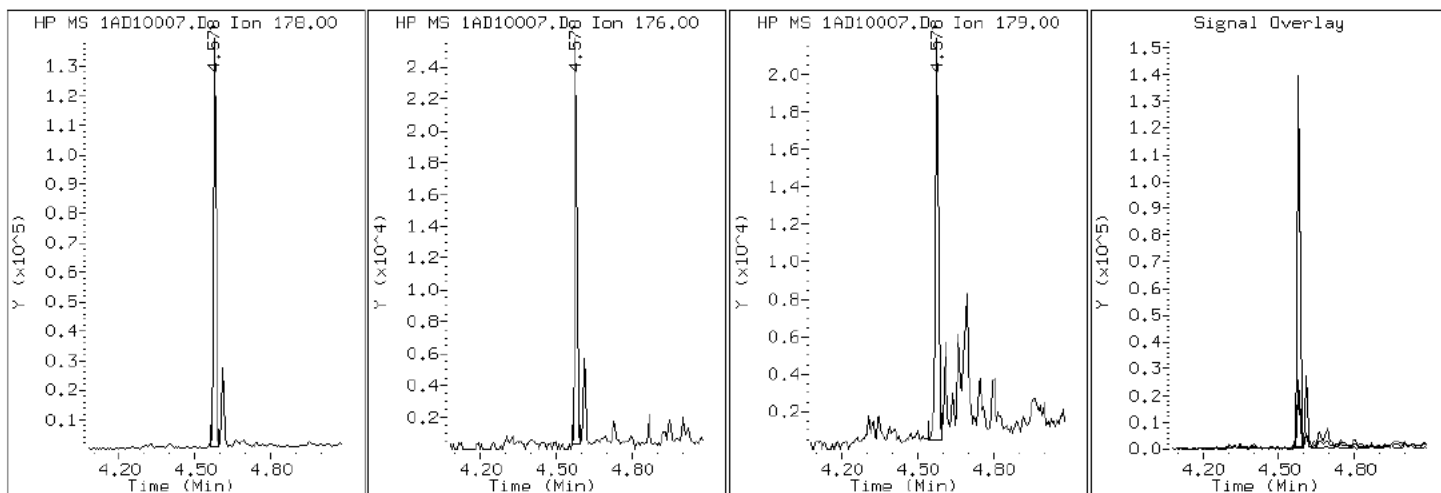
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

11 Phenanthrene



Data File: 1AD10007.D

Date: 10-APR-2013 13:42

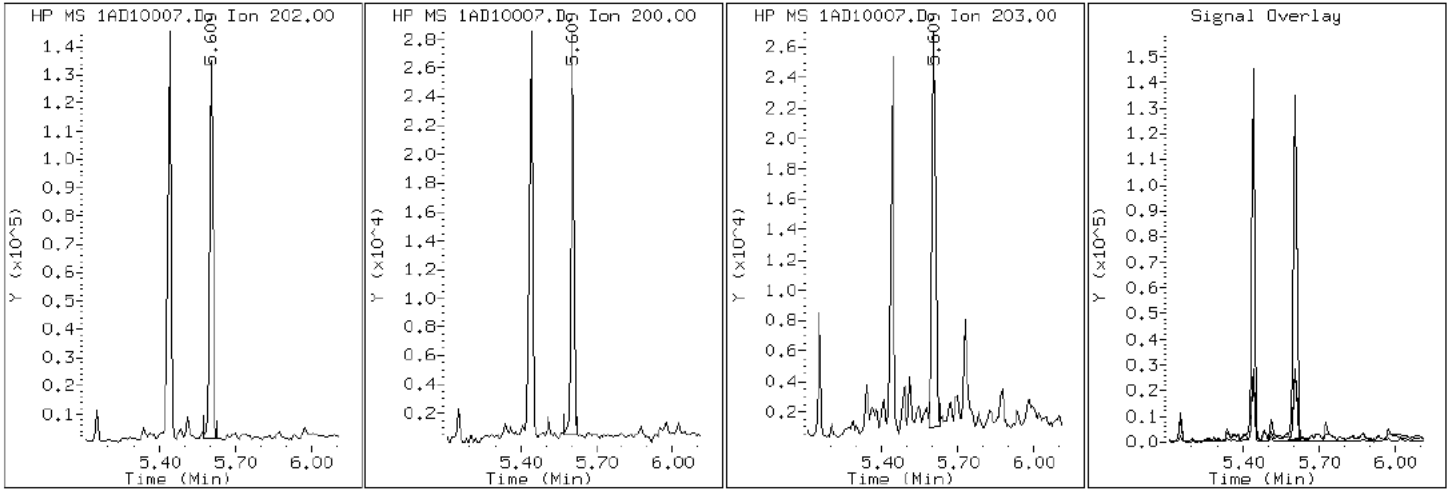
Client ID: CV1136A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-81-a

Operator: SCC

16 Pyrene

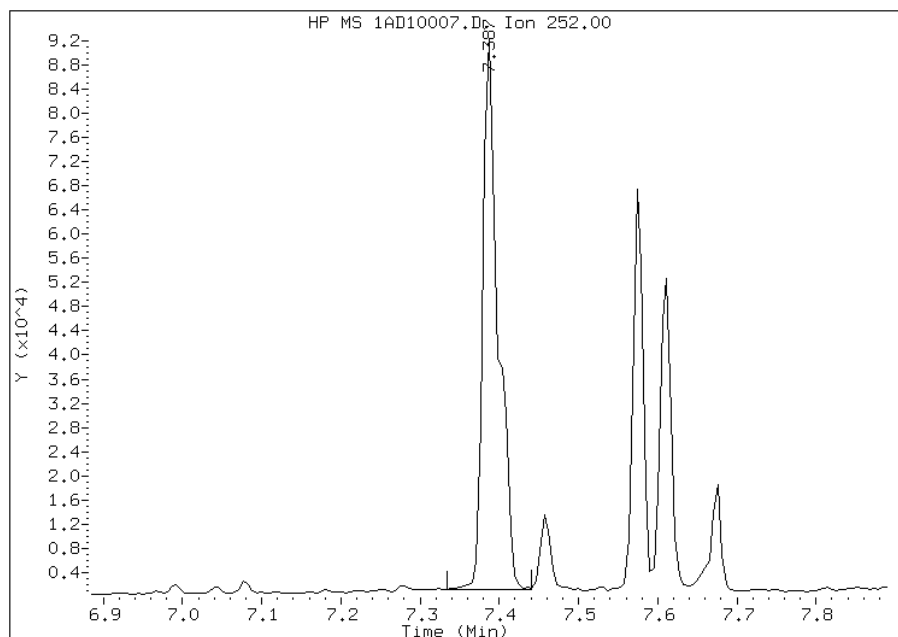


Manual Integration Report

Data File: 1AD10007.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMA5973.i
Client ID: CV1136A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

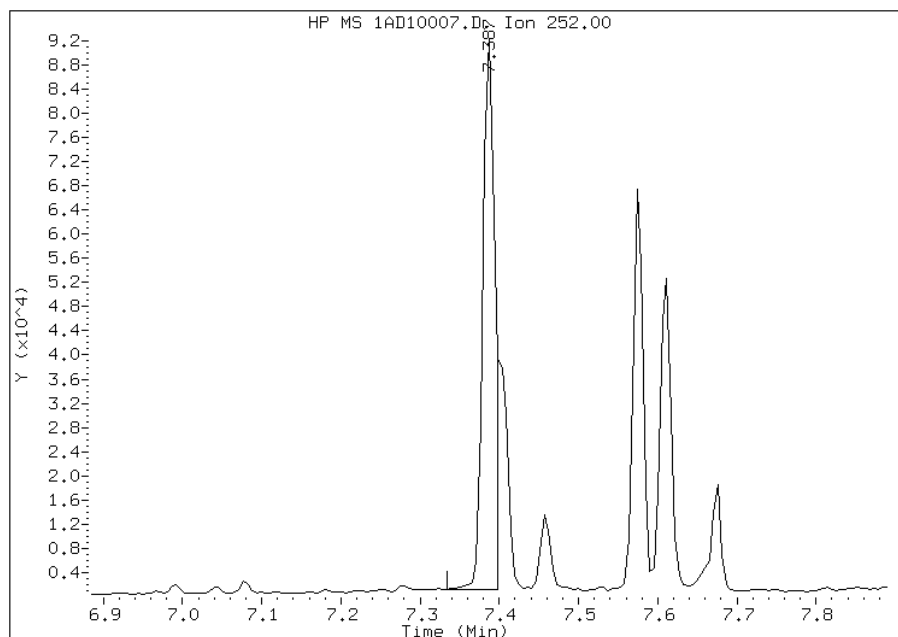
Processing Integration Results

RT: 7.39
Response: 120824
Amount: 3
Conc: 887



Manual Integration Results

RT: 7.39
Response: 95440
Amount: 2
Conc: 701



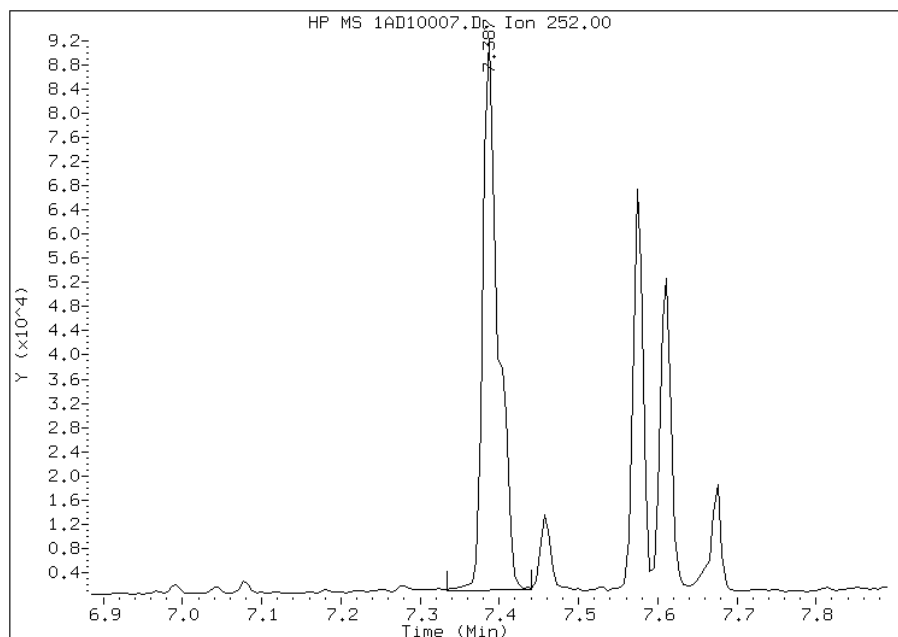
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:46
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD10007.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMA5973.i
Client ID: CV1136A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

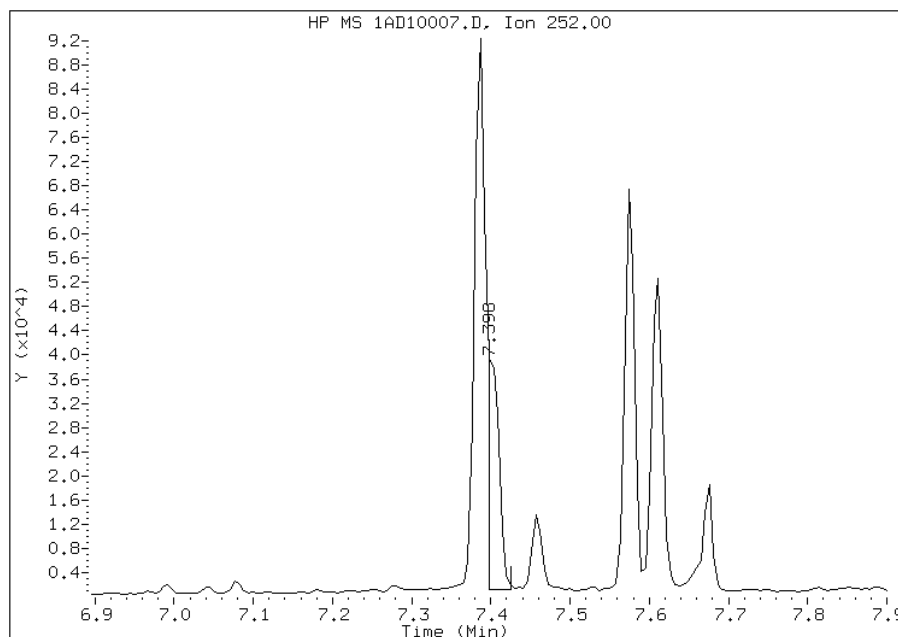
Processing Integration Results

RT: 7.39
Response: 121557
Amount: 3
Conc: 804



Manual Integration Results

RT: 7.40
Response: 37257
Amount: 1
Conc: 246



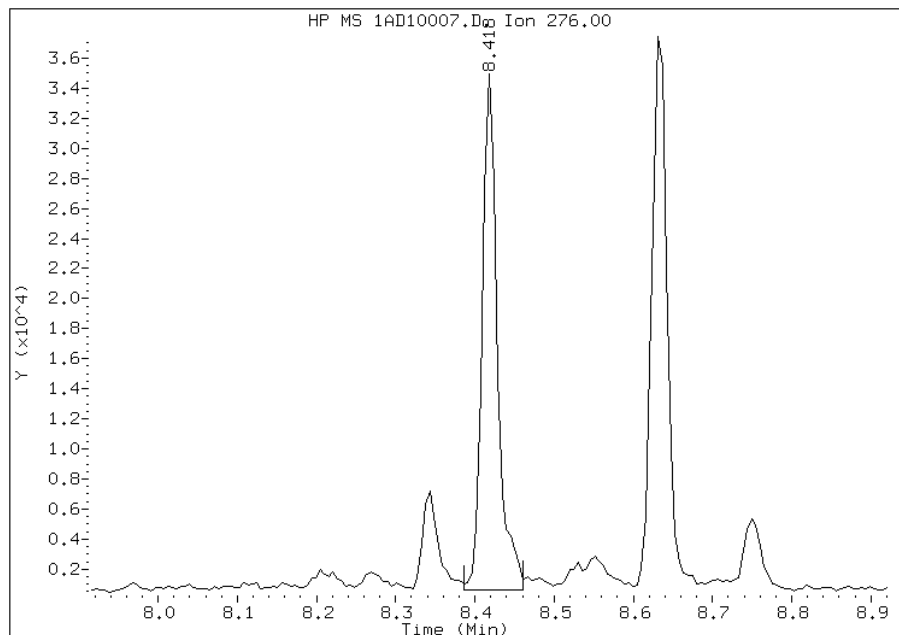
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:46
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD10007.D
Inj. Date and Time: 10-APR-2013 13:42
Instrument ID: BSMA5973.i
Client ID: CV1136A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

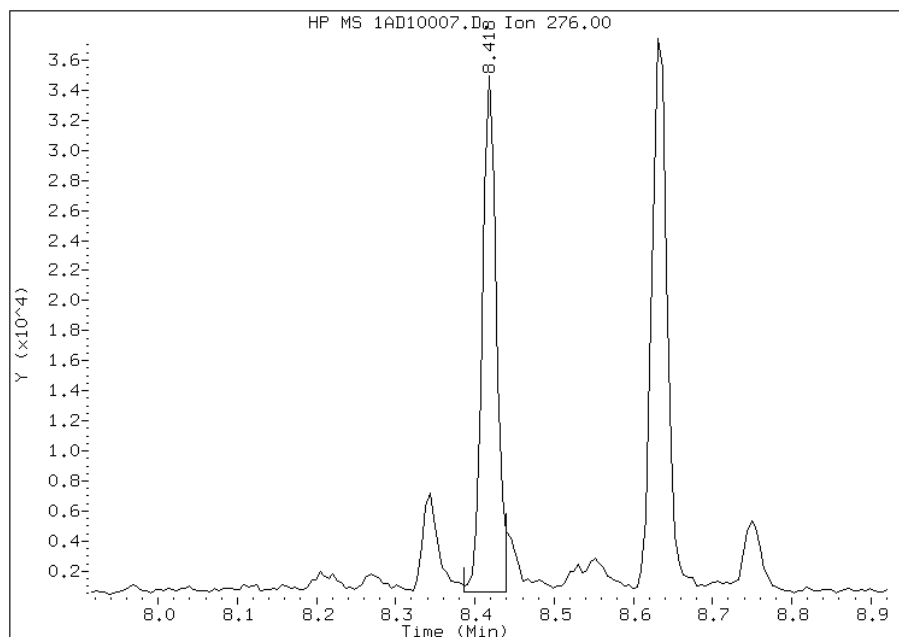
Processing Integration Results

RT: 8.42
Response: 45091
Amount: 2
Conc: 472



Manual Integration Results

RT: 8.42
Response: 42323
Amount: 1
Conc: 450



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:47
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1141A-CS Lab Sample ID: 680-88811-82
 Matrix: Solid Lab File ID: 1AD10008.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:45
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 14.91(g) Date Analyzed: 04/10/2013 13:57
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 13.8 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 470 | U | 470 | 93 |
| 208-96-8 | Acenaphthylene | 200 | | 190 | 23 |
| 120-12-7 | Anthracene | 280 | | 39 | 20 |
| 56-55-3 | Benzo[a]anthracene | 1600 | | 37 | 18 |
| 50-32-8 | Benzo[a]pyrene | 1700 | | 49 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 2700 | | 57 | 28 |
| 191-24-2 | Benzo[g,h,i]perylene | 2100 | | 93 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 1300 | | 37 | 17 |
| 218-01-9 | Chrysene | 1700 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 470 | | 93 | 19 |
| 206-44-0 | Fluoranthene | 2900 | | 93 | 19 |
| 86-73-7 | Fluorene | 93 | U | 93 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 2000 | | 93 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 130 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 140 | J | 190 | 33 |
| 91-20-3 | Naphthalene | 170 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 1200 | | 37 | 18 |
| 129-00-0 | Pyrene | 2900 | | 93 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 71 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10008.D
 Lab Smp Id: 680-88811-A-82-A Client Smp ID: CV1141A-CS
 Inj Date : 10-APR-2013 13:57
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-82-a
 Misc Info : 680-88811-A-82-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 8
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.910 | Weight Extracted |
| M | 13.763 | % 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.586 | 2.584 | (1.000) | 1614950 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.617 | 3.615 | (1.000) | 841888 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.568 | 4.571 | (1.000) | 1337799 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.867 | 4.870 | (1.065) | 53378 | 1.78300 | 554.6796 | |
| * 18 Chrysene-d12 | 240 | | 6.581 | 6.584 | (1.000) | 1218975 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.666 | 7.663 | (1.000) | 1470083 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.597 | 2.600 | (1.004) | 15575 | 0.53256 | 165.6764 | |
| 3 2-Methylnaphthalene | 141 | | 3.003 | 3.000 | (1.161) | 10035 | 0.45932 | 142.8900 | |
| 4 1-Methylnaphthalene | 142 | | 3.056 | 3.059 | (1.182) | 6951 | 0.42850 | 133.3024 | |
| 5 Acenaphthylene | 152 | | 3.526 | 3.524 | (0.975) | 13986 | 0.62822 | 195.4357 | |
| 11 Phenanthrene | 178 | | 4.579 | 4.581 | (1.002) | 197911 | 3.71658 | 1156.2026 | |
| 12 Anthracene | 178 | | 4.611 | 4.619 | (1.009) | 39088 | 0.89535 | 278.5369 | |
| 13 Carbazole | 167 | | 4.744 | 4.747 | (1.039) | 31275 | 0.66383 | 206.5141 | |
| 15 Fluoranthene | 202 | | 5.444 | 5.447 | (1.192) | 502503 | 9.40569 | 2926.0493 | |

| Compounds | QUANT SIG MASS | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-------------------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 16 Pyrene | 202 | 5.609 | 5.612 | (0.852) | 440834 | 9.38498 | 2919.6048 |
| 17 Benzo(a)anthracene | 228 | 6.571 | 6.574 | (0.998) | 210138 | 5.16801 | 1607.7351 |
| 19 Chrysene | 228 | 6.598 | 6.606 | (1.002) | 228525 | 5.51059 | 1714.3100 |
| 20 Benzo(b)fluoranthene | 252 | 7.388 | 7.391 | (0.964) | 386244 | 8.66494 | 2695.6069(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.399 | 7.412 | (0.965) | 199454 | 4.02874 | 1253.3142(M) |
| 22 Benzo(a)pyrene | 252 | 7.612 | 7.615 | (0.993) | 260756 | 5.40140 | 1680.3392 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.424 | 8.427 | (1.099) | 252335 | 6.34480 | 1973.8259(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.446 | 8.459 | (1.102) | 56290 | 1.51456 | 471.1707 |
| 26 Benzo(g,h,i)perylene | 276 | 8.643 | 8.651 | (1.127) | 274462 | 6.85472 | 2132.4578 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD10008.D

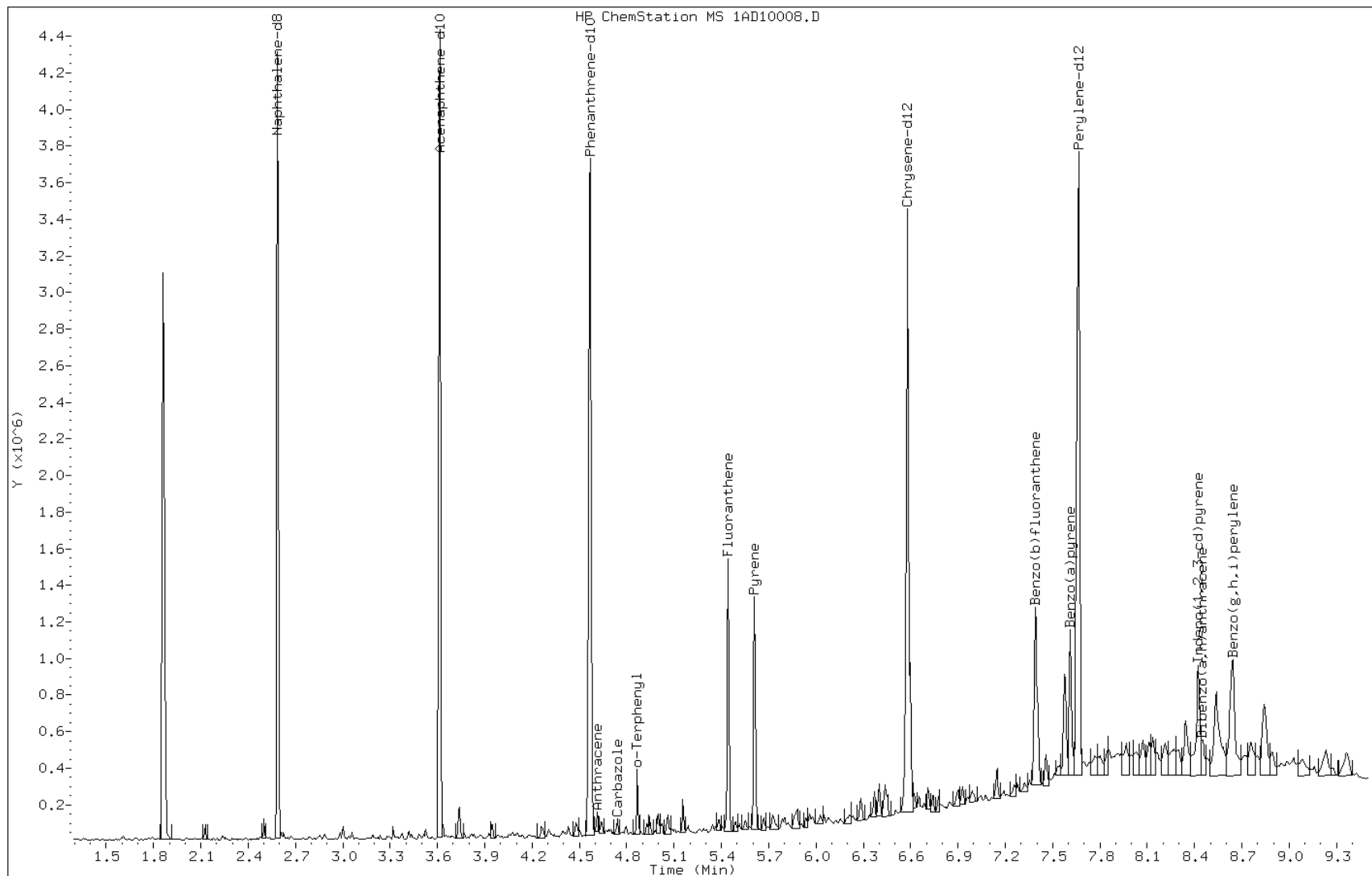
Date: 10-APR-2013 13:57

Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

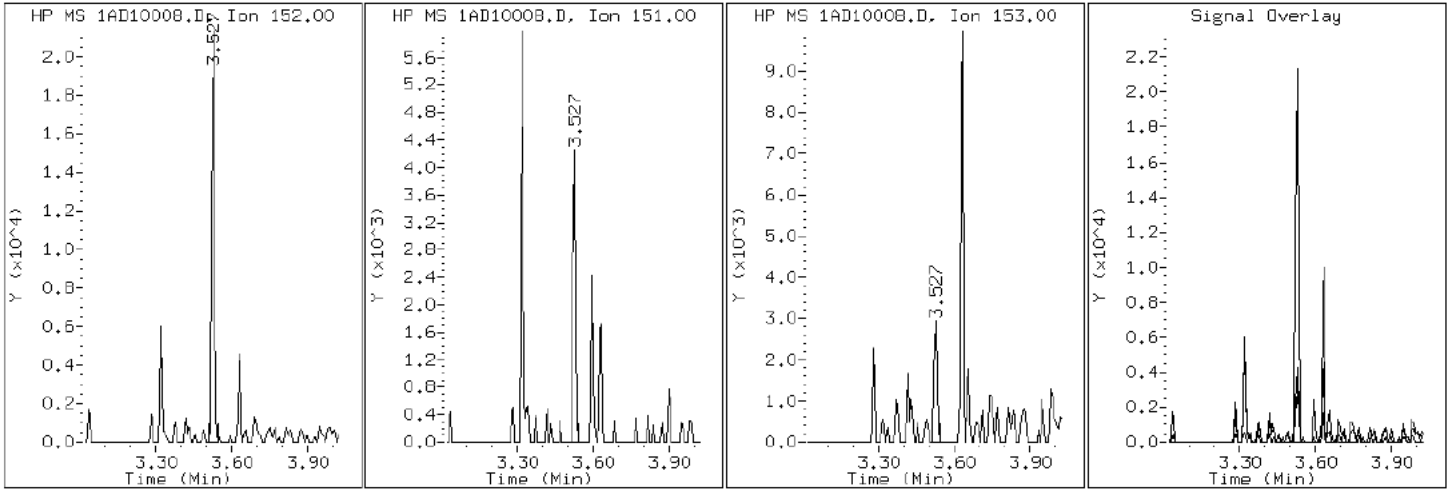
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

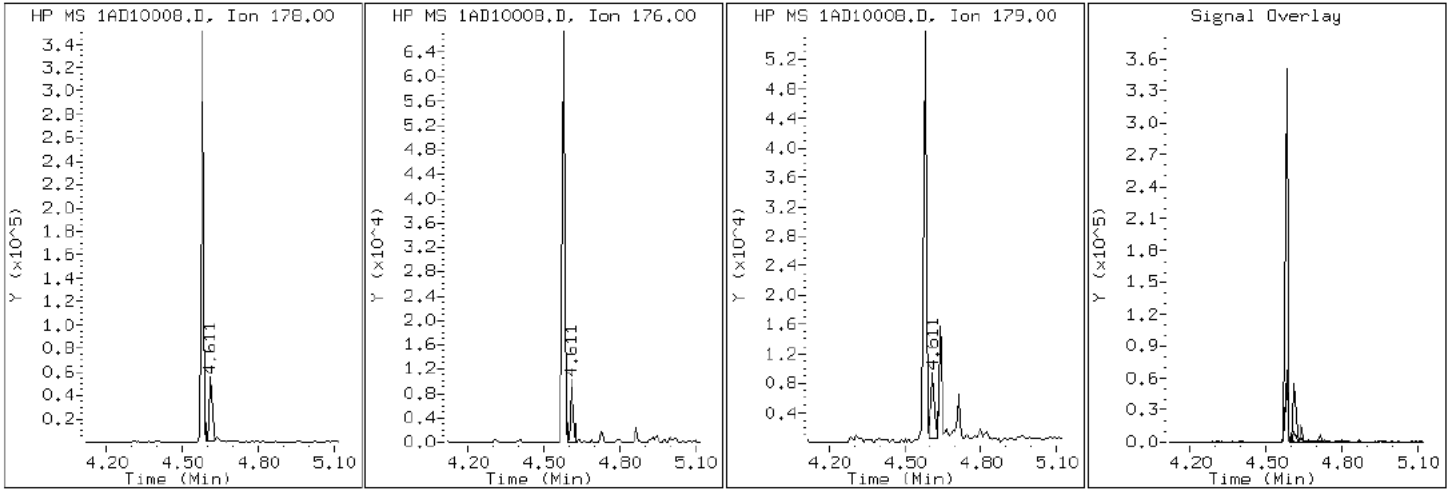
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

12 Anthracene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

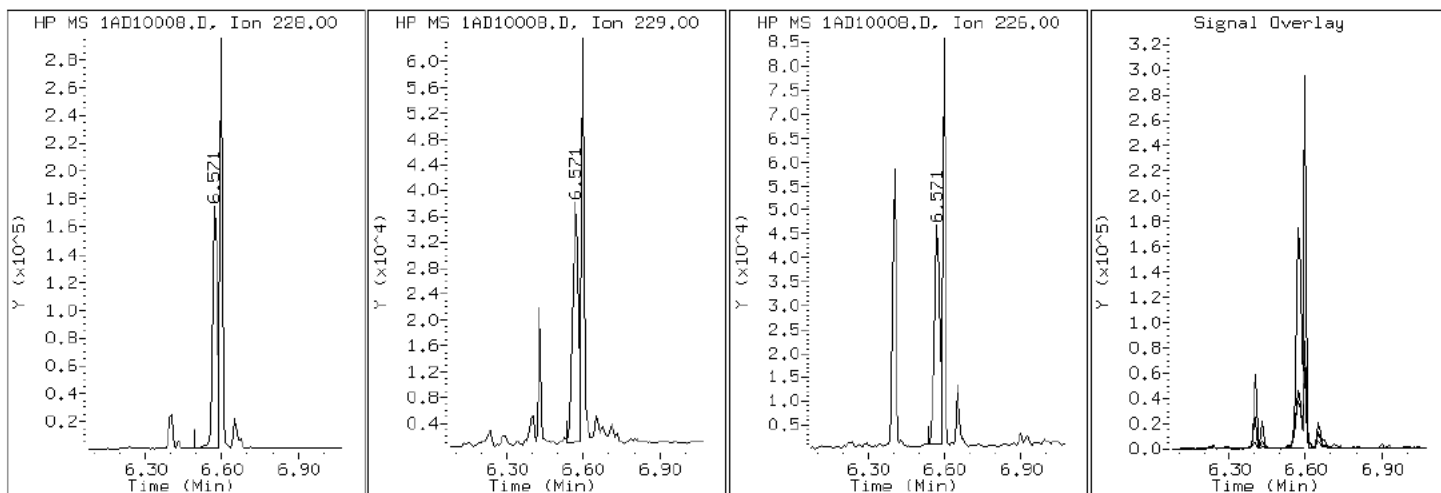
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

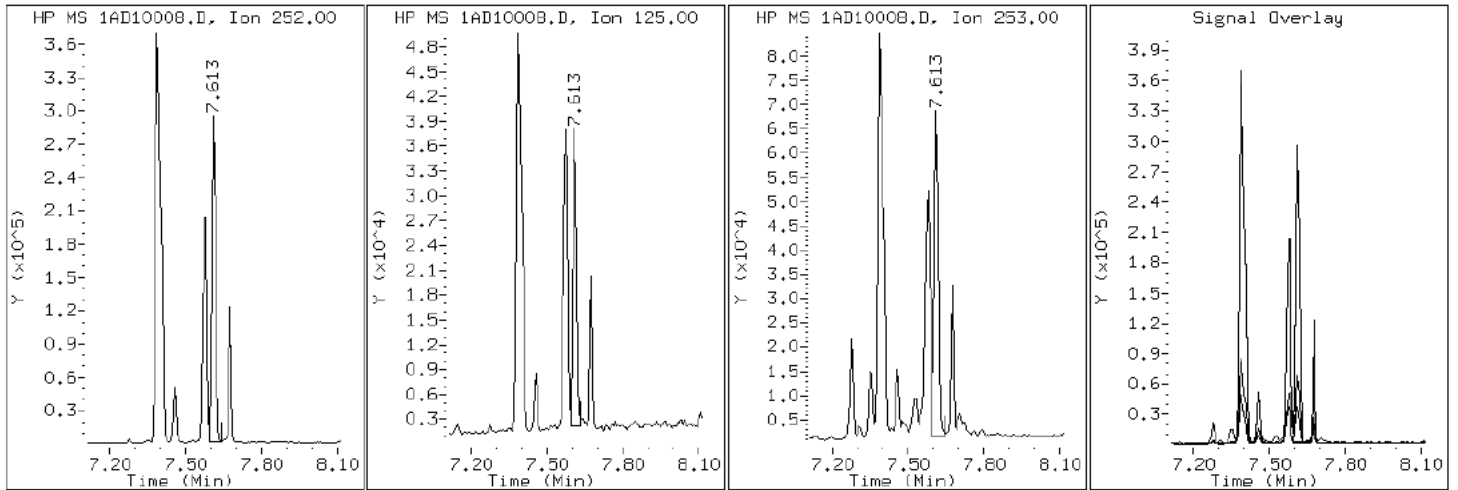
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

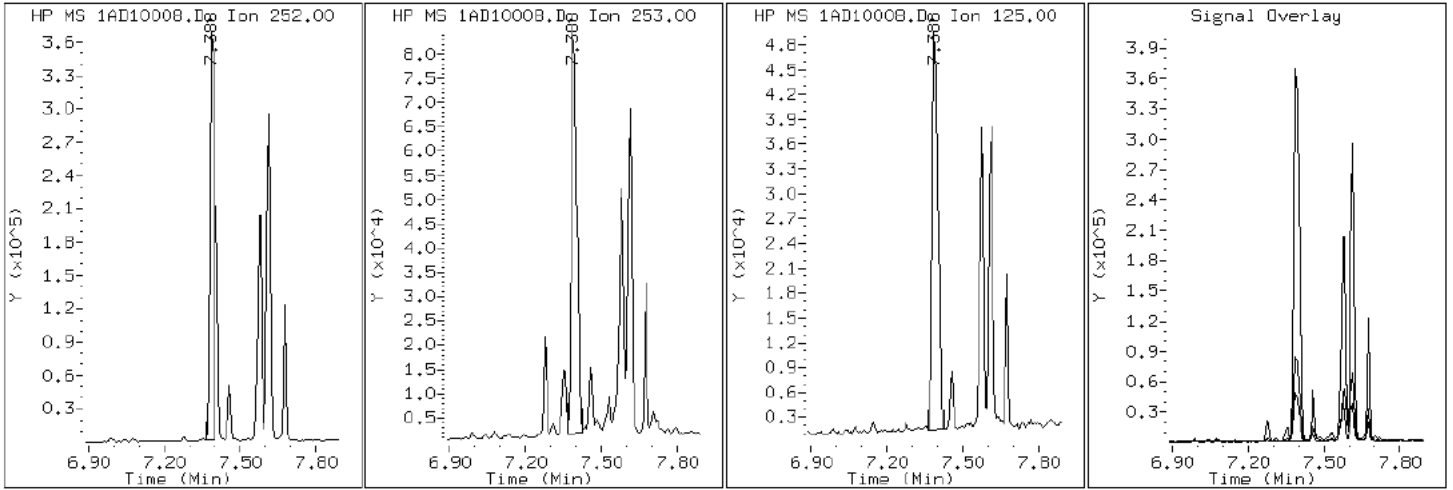
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

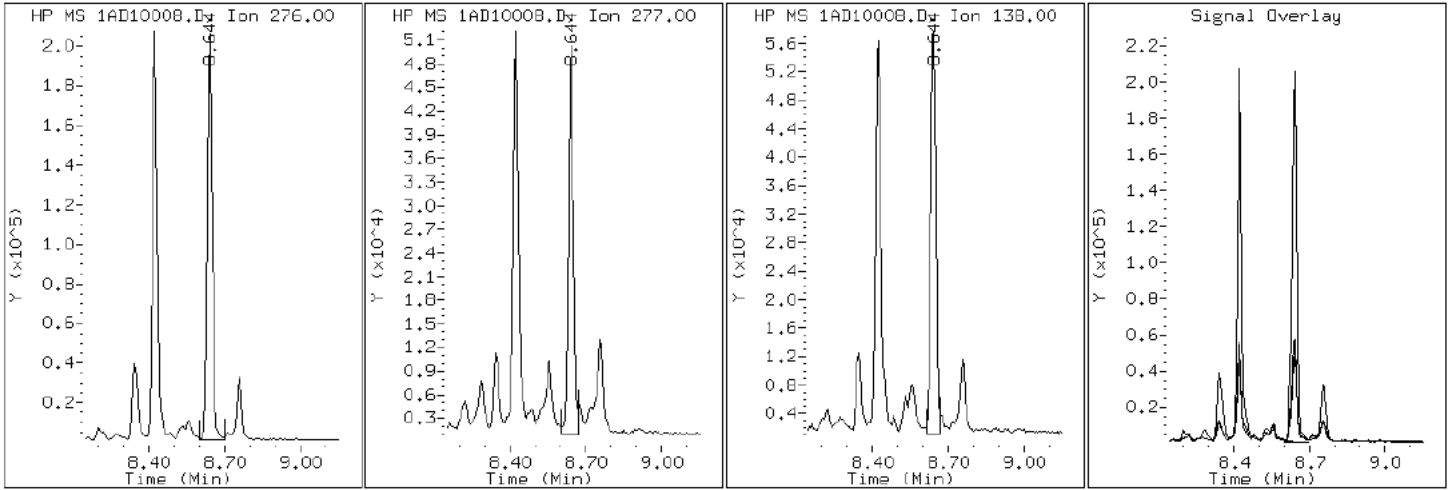
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

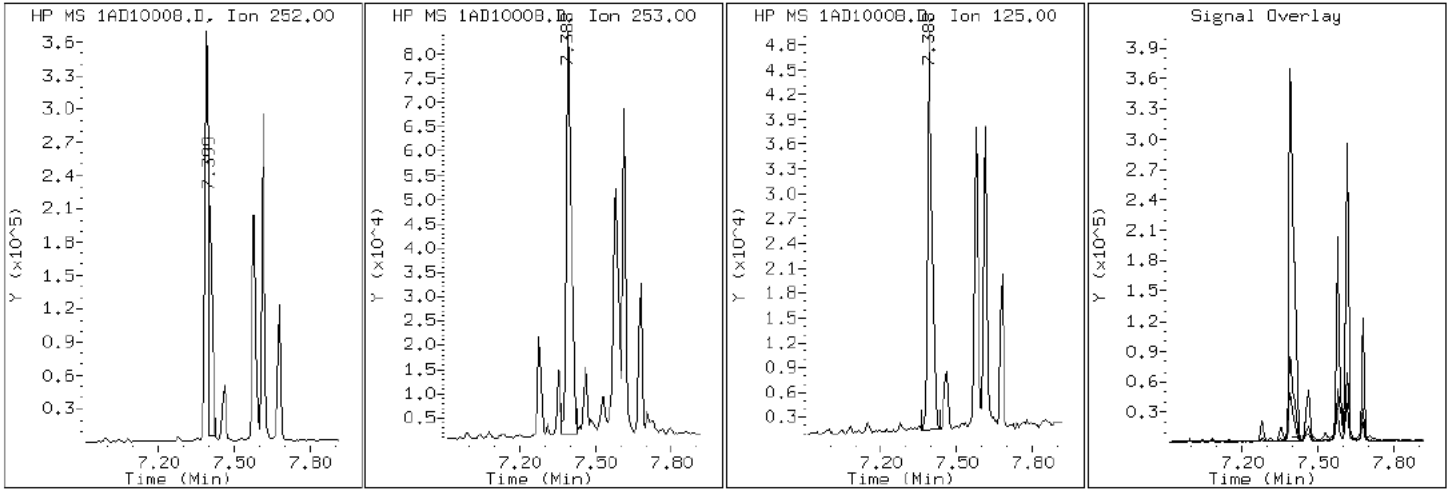
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

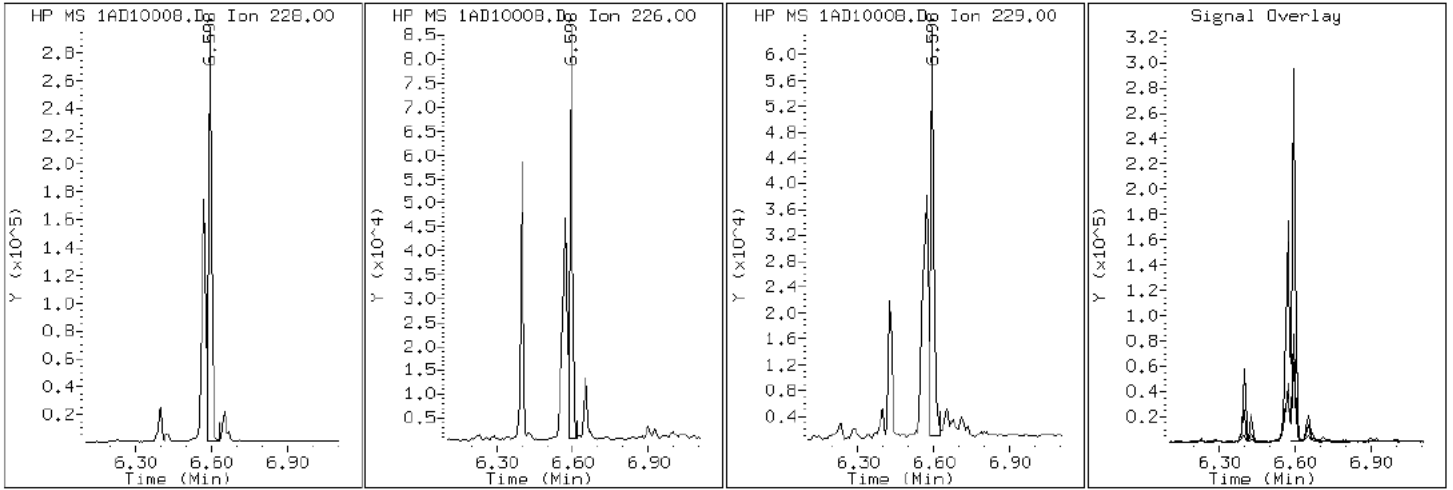
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

19 Chrysene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

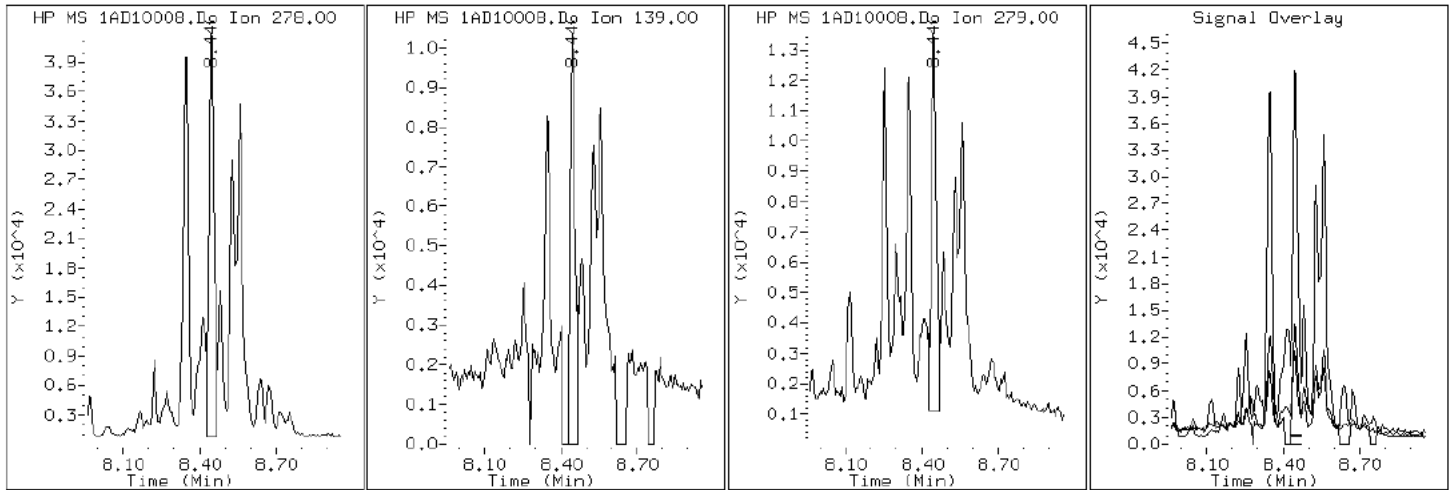
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

25 Dibenzo (a,h)anthracene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

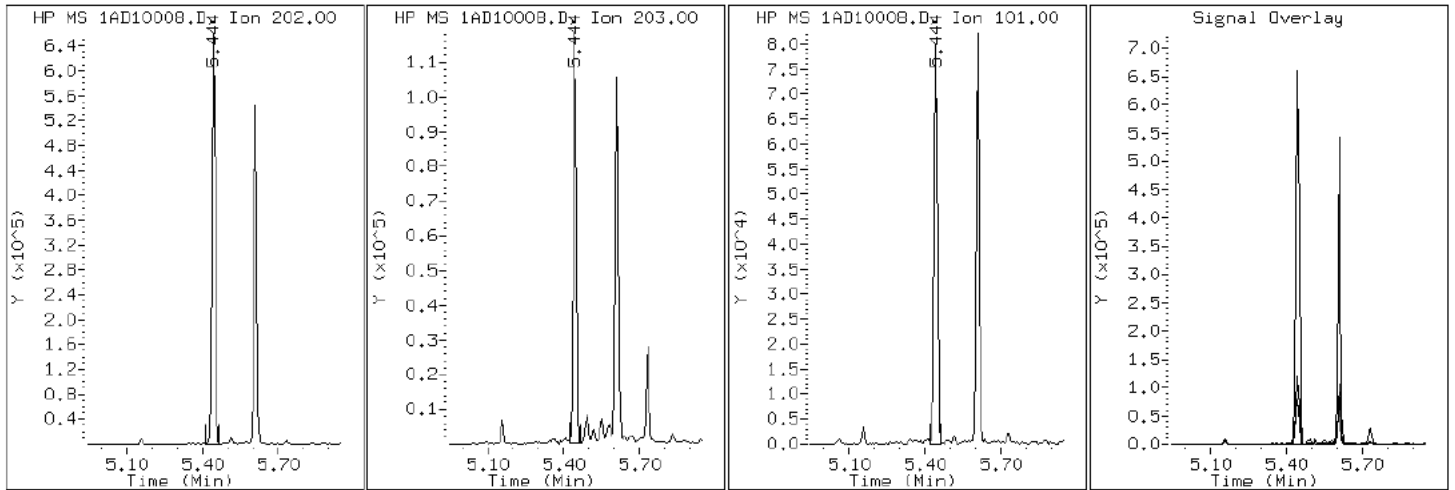
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

15 Fluoranthene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

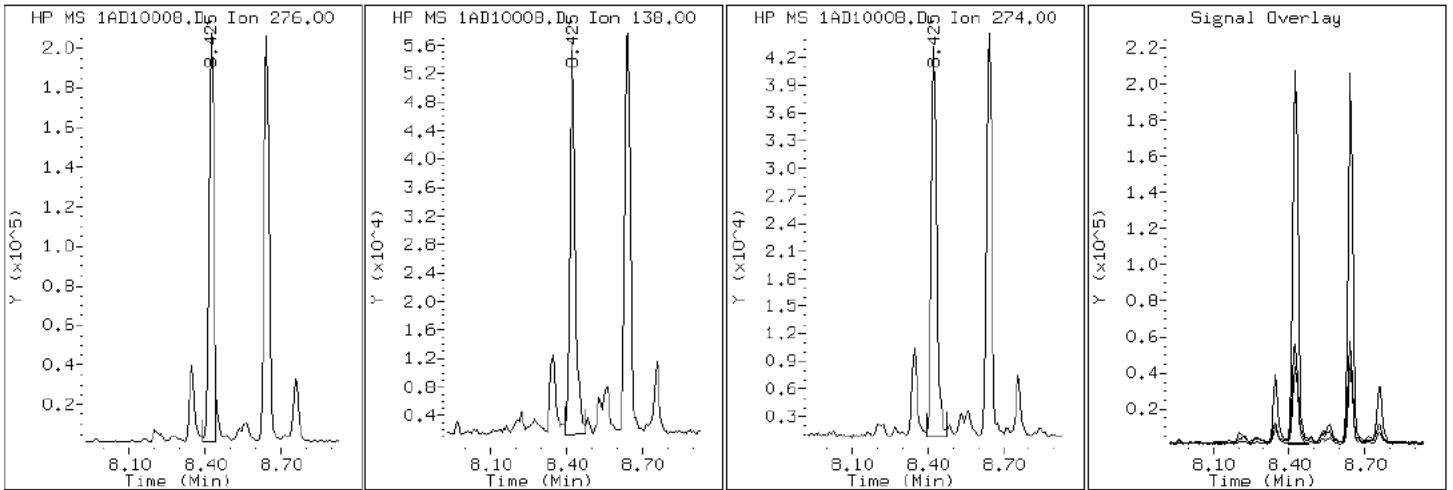
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

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



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

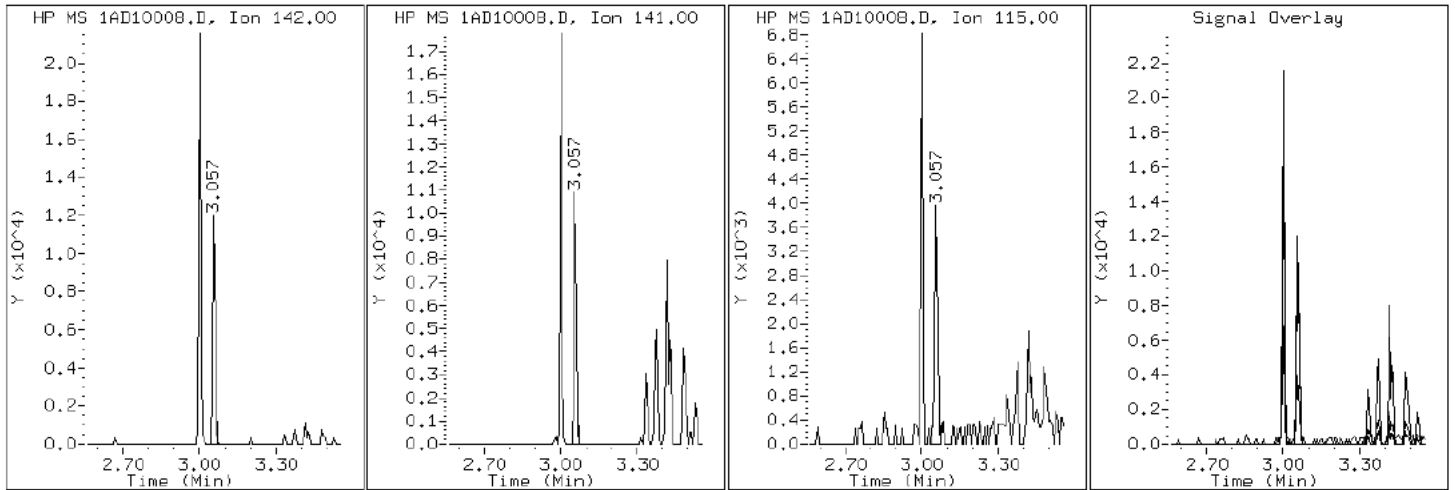
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

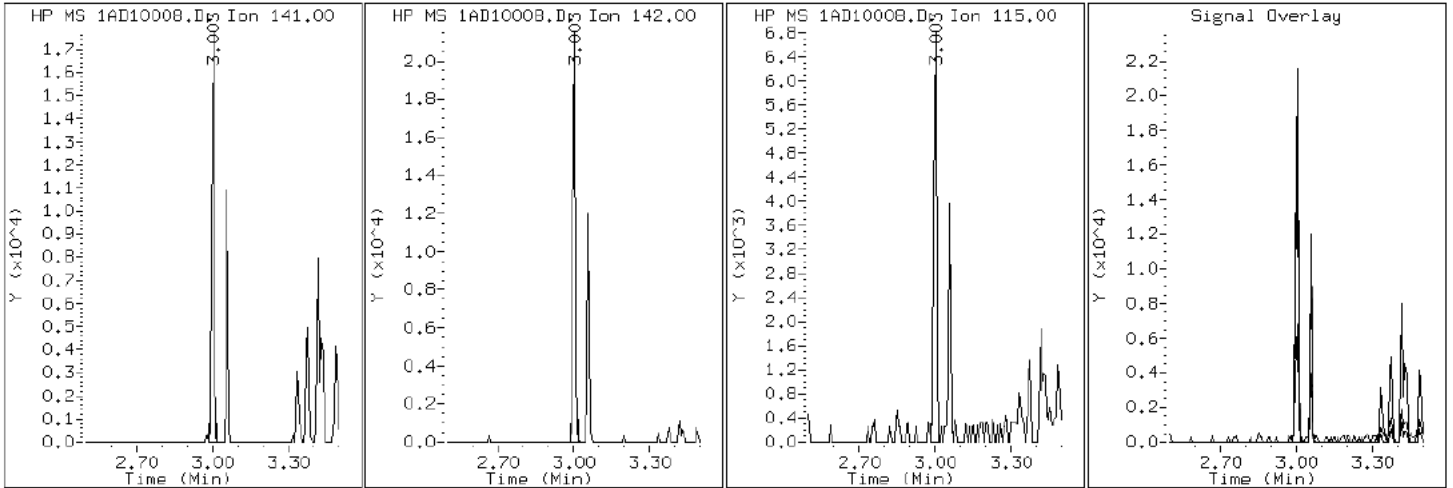
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

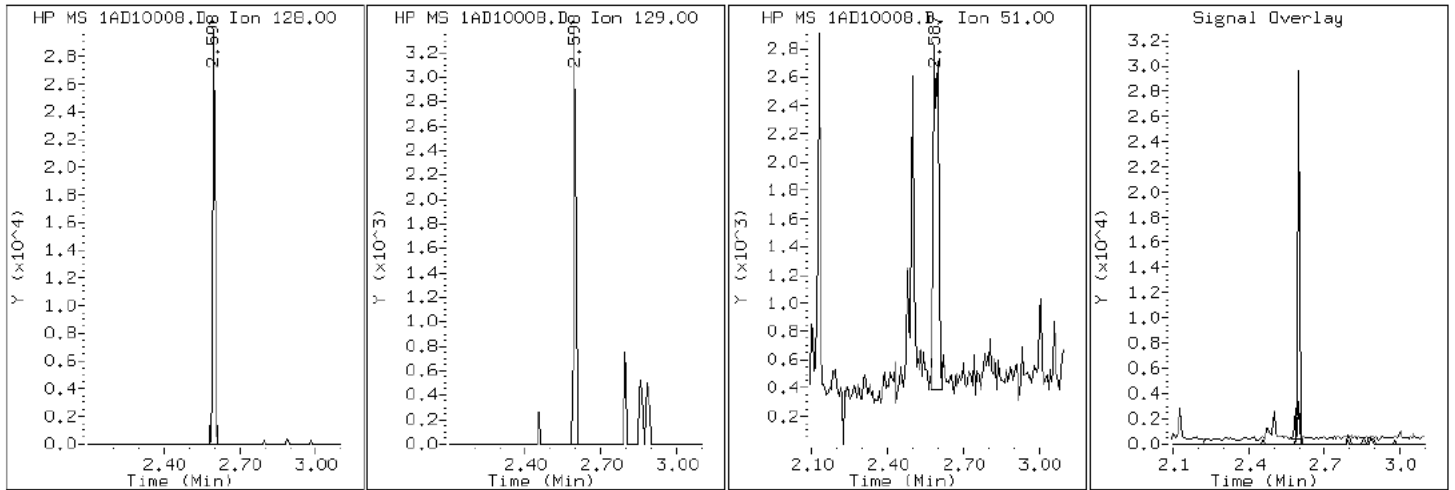
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

2 Naphthalene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

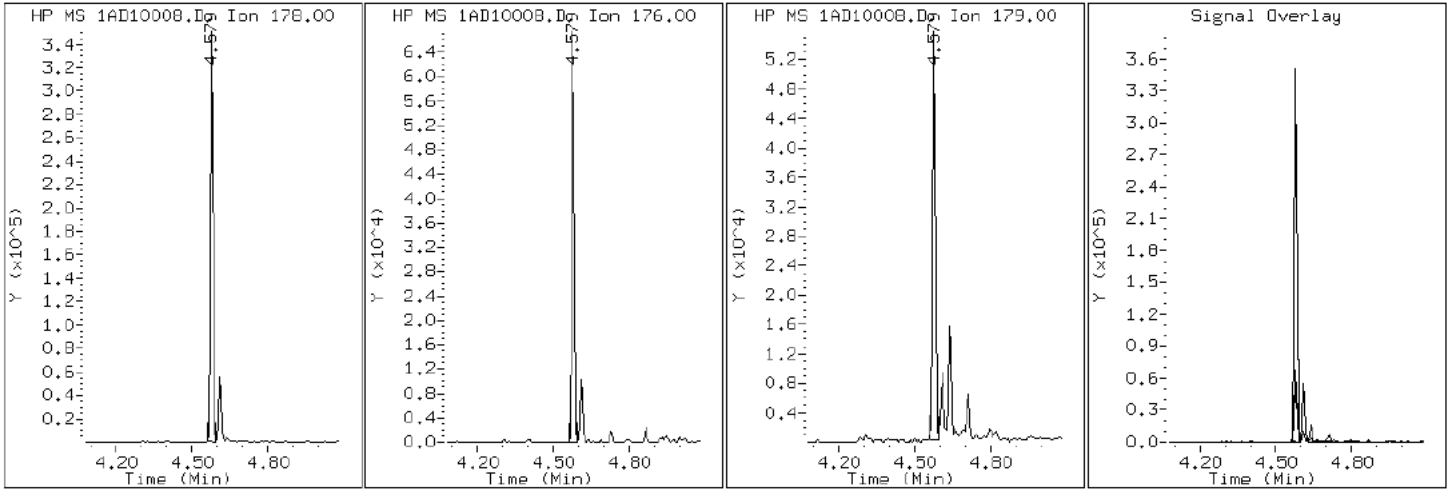
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

11 Phenanthrene



Data File: 1AD10008.D

Date: 10-APR-2013 13:57

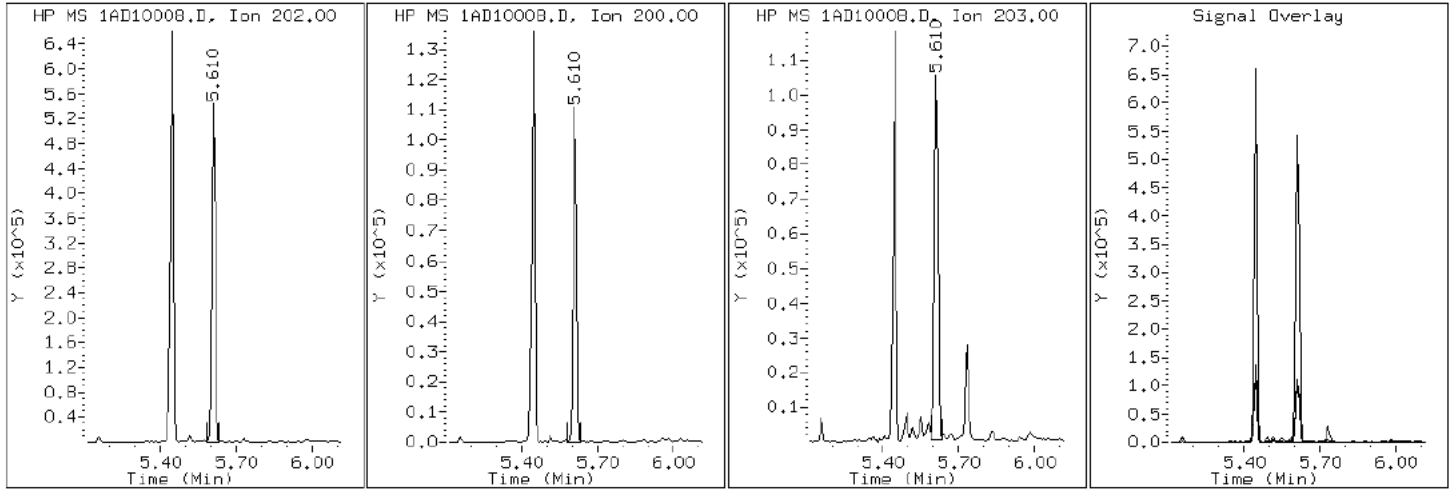
Client ID: CV1141A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-82-a

Operator: SCC

16 Pyrene

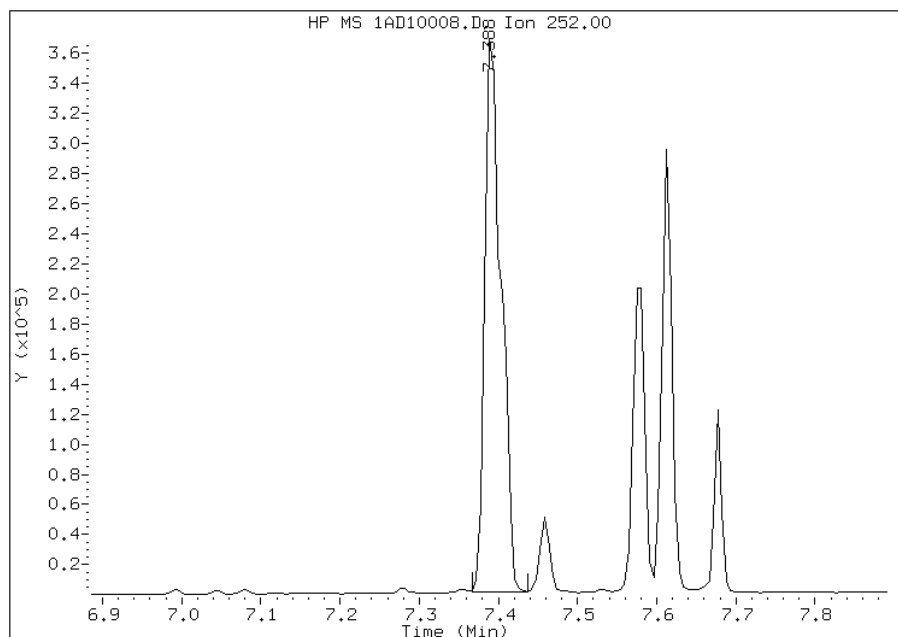


Manual Integration Report

Data File: 1AD10008.D
Inj. Date and Time: 10-APR-2013 13:57
Instrument ID: BSMA5973.i
Client ID: CV1141A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

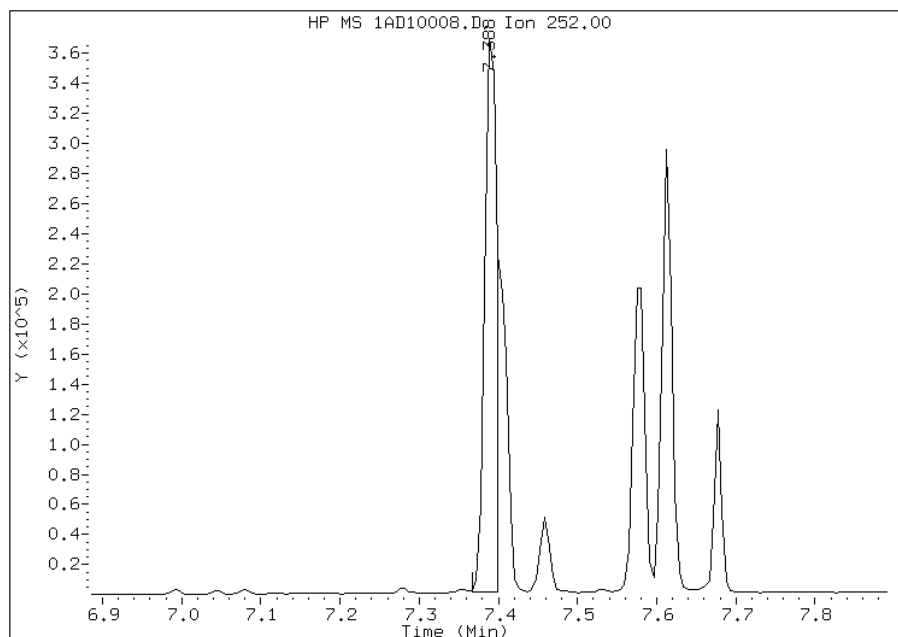
Processing Integration Results

RT: 7.39
Response: 520531
Amount: 12
Conc: 3633



Manual Integration Results

RT: 7.39
Response: 386244
Amount: 9
Conc: 2696



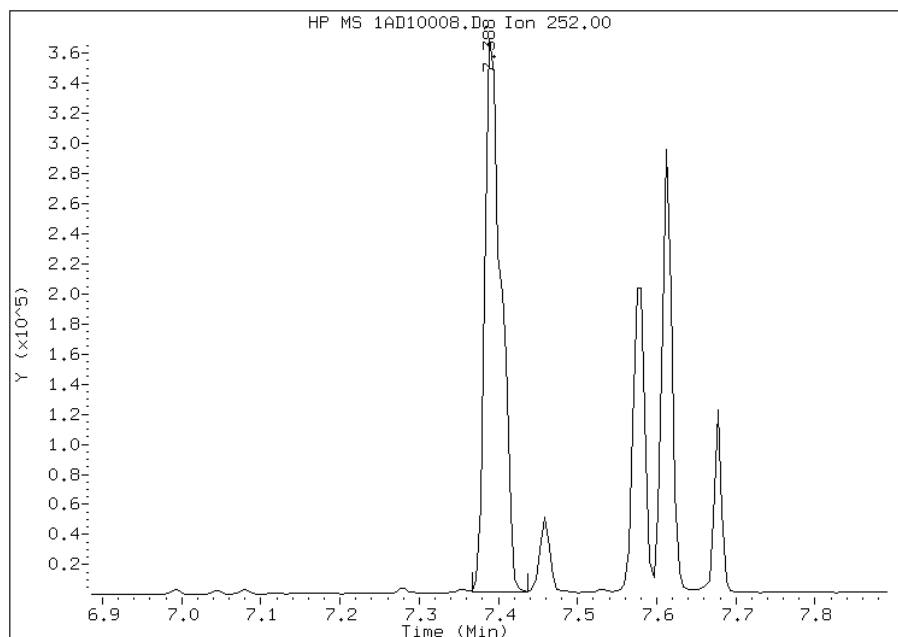
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:48
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD10008.D
Inj. Date and Time: 10-APR-2013 13:57
Instrument ID: BSMA5973.i
Client ID: CV1141A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

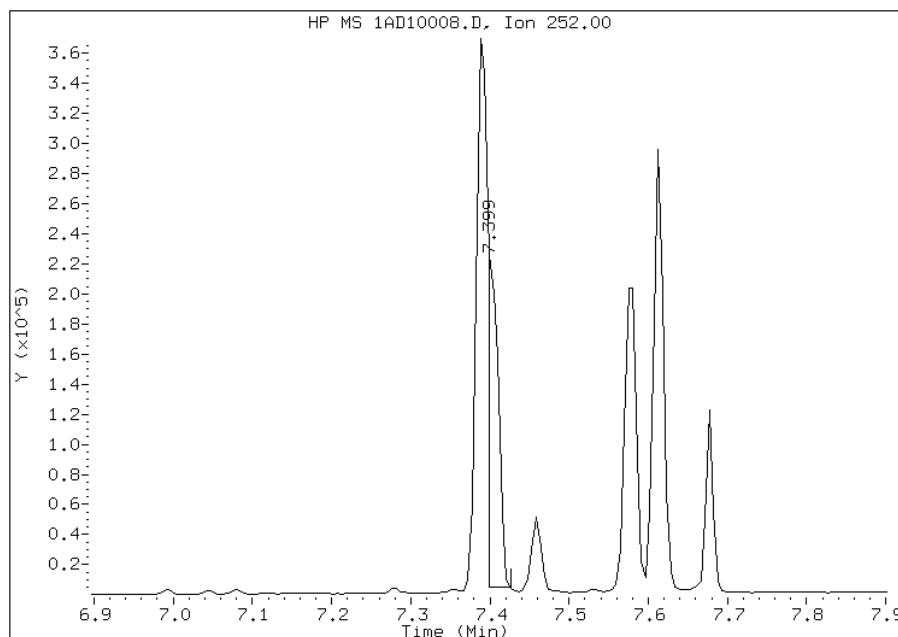
Processing Integration Results

RT: 7.39
Response: 520518
Amount: 11
Conc: 3271



Manual Integration Results

RT: 7.40
Response: 199454
Amount: 4
Conc: 1253



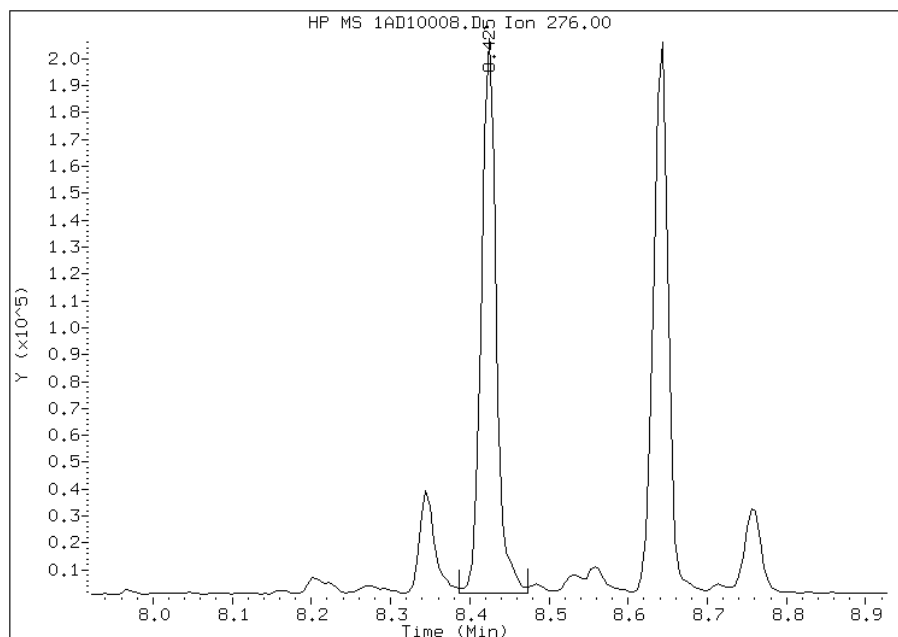
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:48
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD10008.D
Inj. Date and Time: 10-APR-2013 13:57
Instrument ID: BSMA5973.i
Client ID: CV1141A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

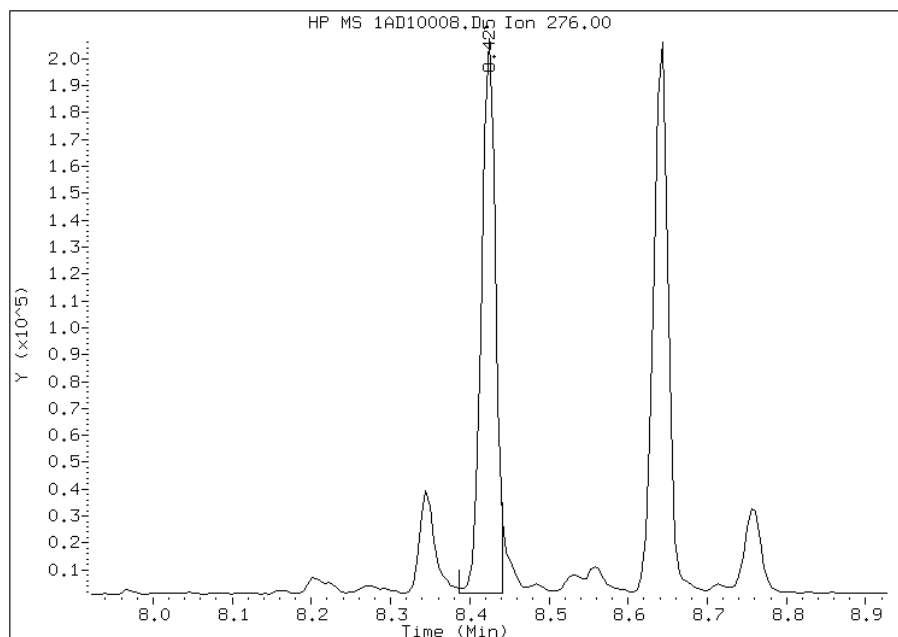
Processing Integration Results

RT: 8.42
Response: 266569
Amount: 7
Conc: 2078



Manual Integration Results

RT: 8.42
Response: 252335
Amount: 6
Conc: 1974



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:49
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1141A-CSD Lab Sample ID: 680-88811-83
 Matrix: Solid Lab File ID: 1AD10009.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 14:45
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 14.92(g) Date Analyzed: 04/10/2013 14:12
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 14.3 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 470 | U | 470 | 94 |
| 208-96-8 | Acenaphthylene | 190 | | 190 | 23 |
| 120-12-7 | Anthracene | 230 | | 39 | 20 |
| 56-55-3 | Benzo[a]anthracene | 1200 | | 38 | 18 |
| 50-32-8 | Benzo[a]pyrene | 1300 | | 49 | 24 |
| 205-99-2 | Benzo[b]fluoranthene | 2300 | | 57 | 29 |
| 191-24-2 | Benzo[g,h,i]perylene | 1700 | | 94 | 21 |
| 207-08-9 | Benzo[k]fluoranthene | 860 | | 38 | 17 |
| 218-01-9 | Chrysene | 1400 | | 42 | 21 |
| 53-70-3 | Dibenz(a,h)anthracene | 380 | | 94 | 19 |
| 206-44-0 | Fluoranthene | 2100 | | 94 | 19 |
| 86-73-7 | Fluorene | 94 | U | 94 | 19 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1600 | | 94 | 33 |
| 90-12-0 | 1-Methylnaphthalene | 140 | J | 190 | 21 |
| 91-57-6 | 2-Methylnaphthalene | 150 | J | 190 | 33 |
| 91-20-3 | Naphthalene | 170 | J | 190 | 21 |
| 85-01-8 | Phenanthrene | 780 | | 38 | 18 |
| 129-00-0 | Pyrene | 2300 | | 94 | 17 |

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

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10009.D
 Lab Smp Id: 680-88811-A-83-A Client Smp ID: CV1141A-CSD
 Inj Date : 10-APR-2013 14:12
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-83-a
 Misc Info : 680-88811-A-83-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 9
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 14.920 | Weight Extracted |
| M | 14.261 | % 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 | | 2.591 | 2.584 | (1.000) | 1681039 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.616 | 3.615 | (1.000) | 886252 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.567 | 4.571 | (1.000) | 1426163 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.866 | 4.870 | (1.065) | 43568 | 1.37943 | 431.3314 | |
| * 18 Chrysene-d12 | 240 | | 6.586 | 6.584 | (1.000) | 1302466 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.665 | 7.663 | (1.000) | 1508632 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.596 | 2.600 | (1.002) | 17999 | 0.55622 | 173.9238 | |
| 3 2-Methylnaphthalene | 141 | | 3.002 | 3.000 | (1.159) | 11847 | 0.49293 | 154.1347 | |
| 4 1-Methylnaphthalene | 142 | | 3.056 | 3.059 | (1.179) | 8537 | 0.45326 | 141.7307 | |
| 5 Acenaphthylene | 152 | | 3.526 | 3.524 | (0.975) | 13637 | 0.61562 | 192.4988 | |
| 11 Phenanthrene | 178 | | 4.583 | 4.581 | (1.004) | 142794 | 2.50351 | 782.8202 | |
| 12 Anthracene | 178 | | 4.615 | 4.619 | (1.011) | 29979 | 0.73497 | 229.8176 | |
| 13 Carbazole | 167 | | 4.743 | 4.747 | (1.039) | 22232 | 0.46349 | 144.9265 | |
| 15 Fluoranthene | 202 | | 5.448 | 5.447 | (1.193) | 391255 | 6.61416 | 2068.1737 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|---------------|--------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 16 Pyrene | 202 | 5.614 | 5.612 (0.852) | | 363374 | 7.24003 | 2263.8749 |
| 17 Benzo(a)anthracene | 228 | 6.575 | 6.574 (0.998) | | 165560 | 3.81068 | 1191.5571 |
| 19 Chrysene | 228 | 6.602 | 6.606 (1.002) | | 202897 | 4.57898 | 1431.7950 |
| 20 Benzo(b)fluoranthene | 252 | 7.393 | 7.391 (0.964) | | 333238 | 7.28479 | 2277.8706(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.409 | 7.412 (0.967) | | 140500 | 2.76542 | 864.7155(QM) |
| 22 Benzo(a)pyrene | 252 | 7.617 | 7.615 (0.994) | | 220576 | 4.29008 | 1341.4604 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.429 | 8.427 (1.100) | | 206371 | 5.13773 | 1606.5095(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.450 | 8.459 (1.102) | | 46293 | 1.21375 | 379.5264 |
| 26 Benzo(g,h,i)perylene | 276 | 8.648 | 8.651 (1.128) | | 220691 | 5.37094 | 1679.4325 |

QC Flag Legend

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

Data File: 1AD10009.D

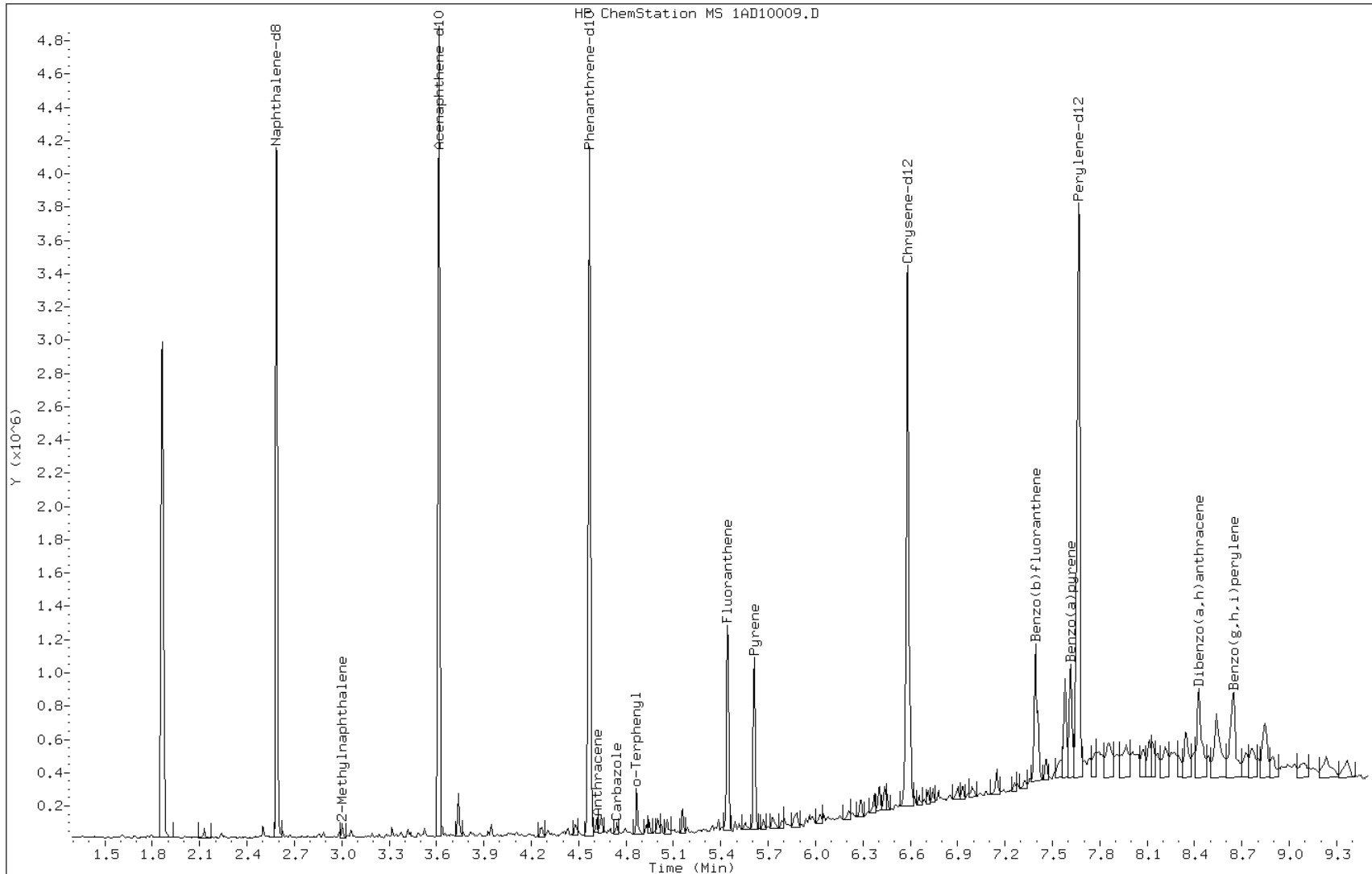
Date: 10-APR-2013 14:12

Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

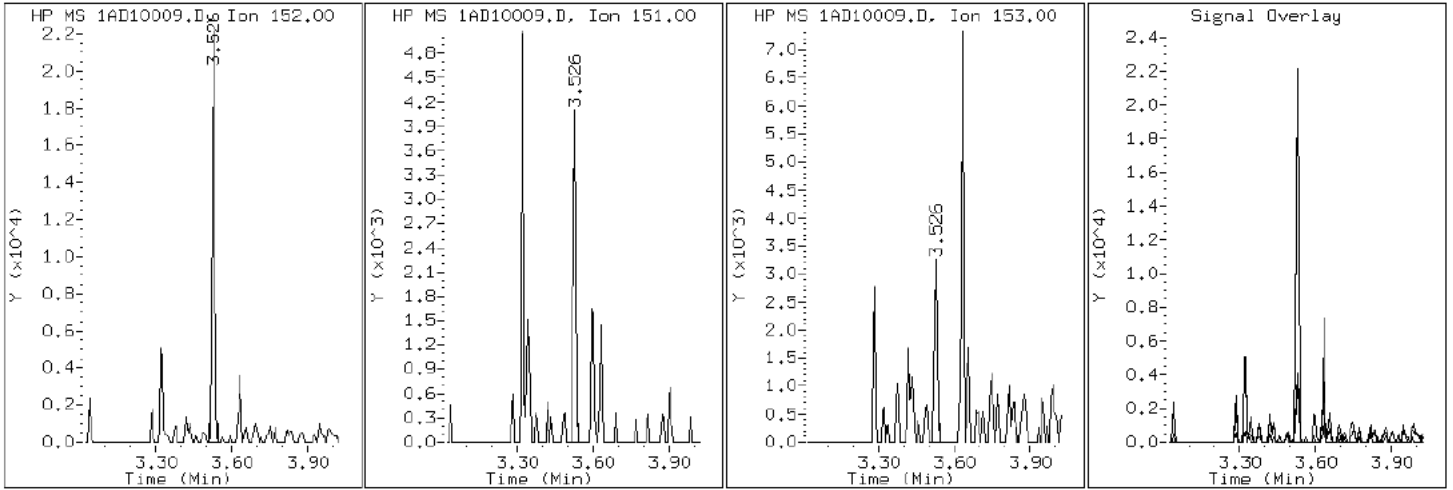
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

5 Acenaphthylene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

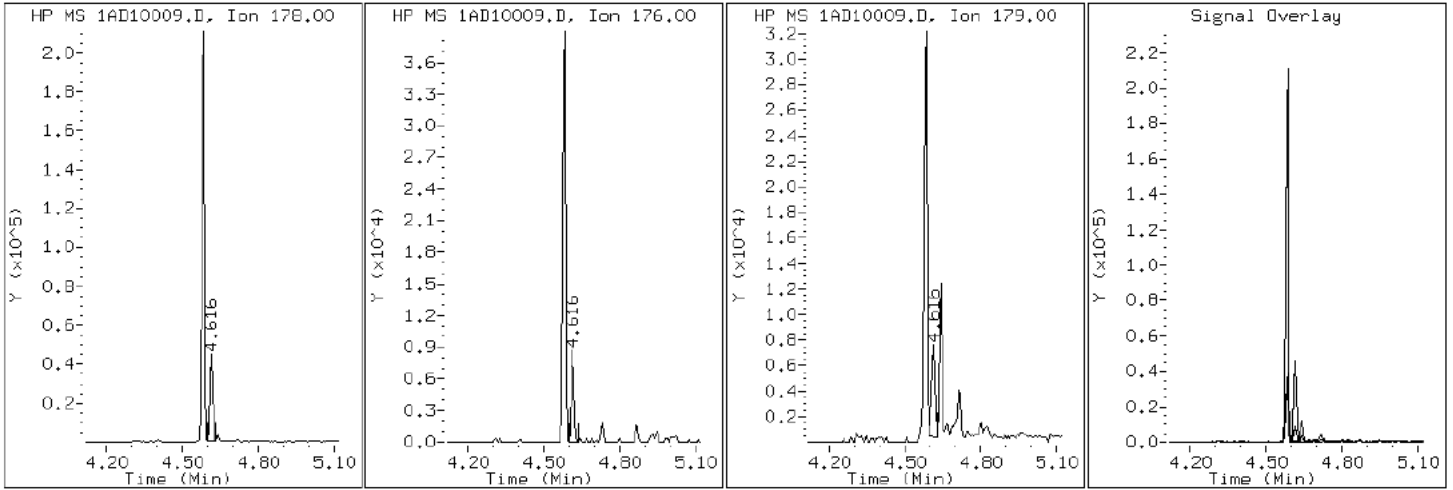
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

12 Anthracene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

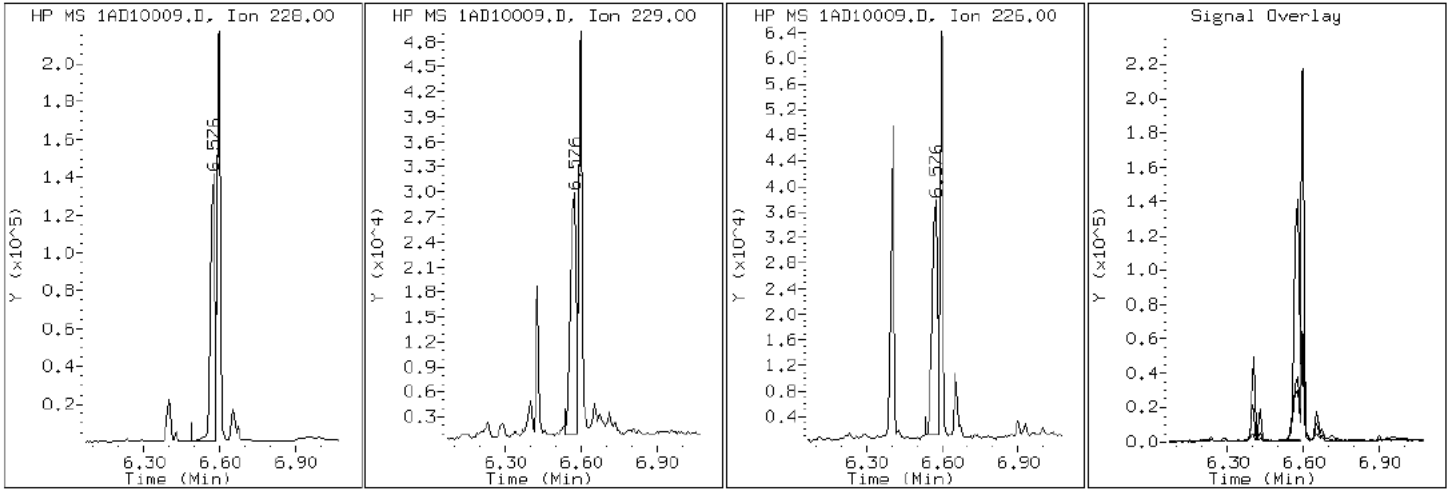
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

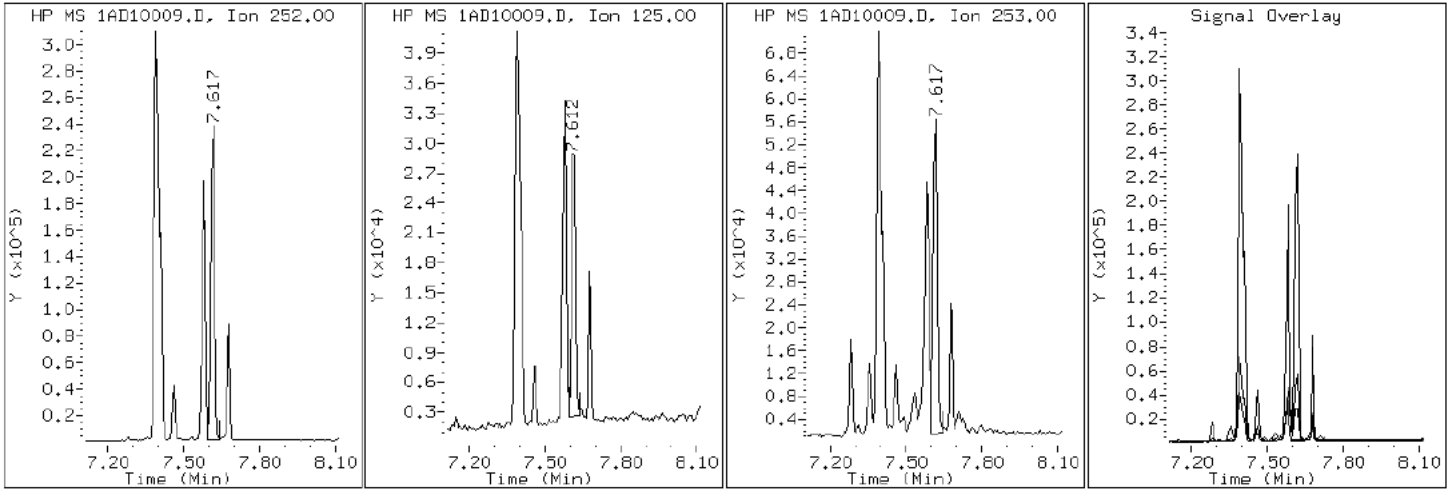
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

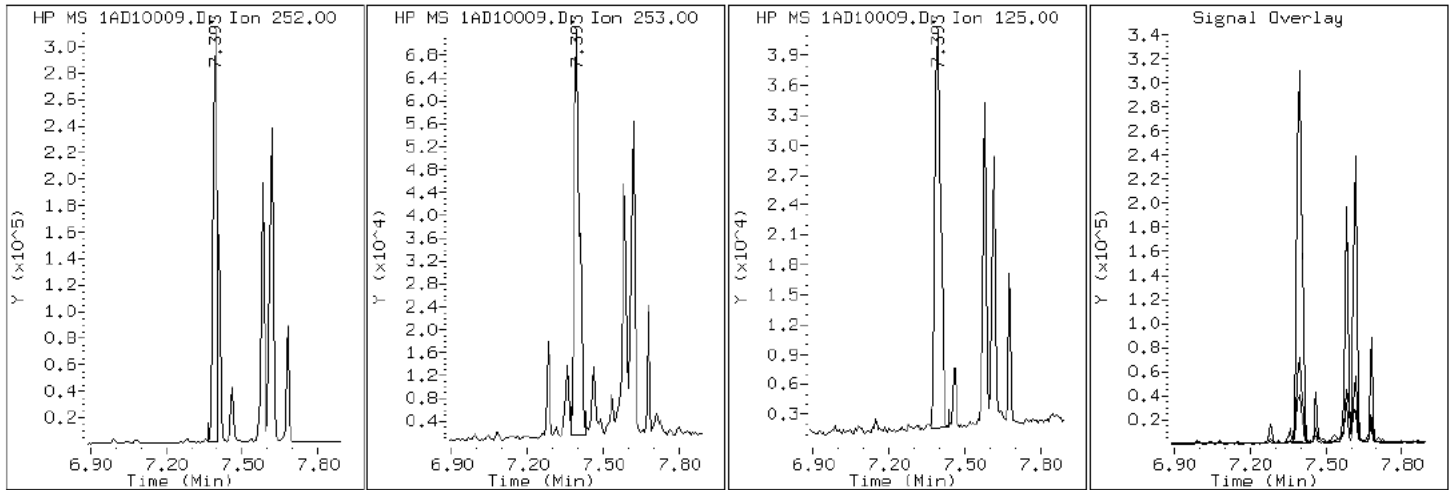
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

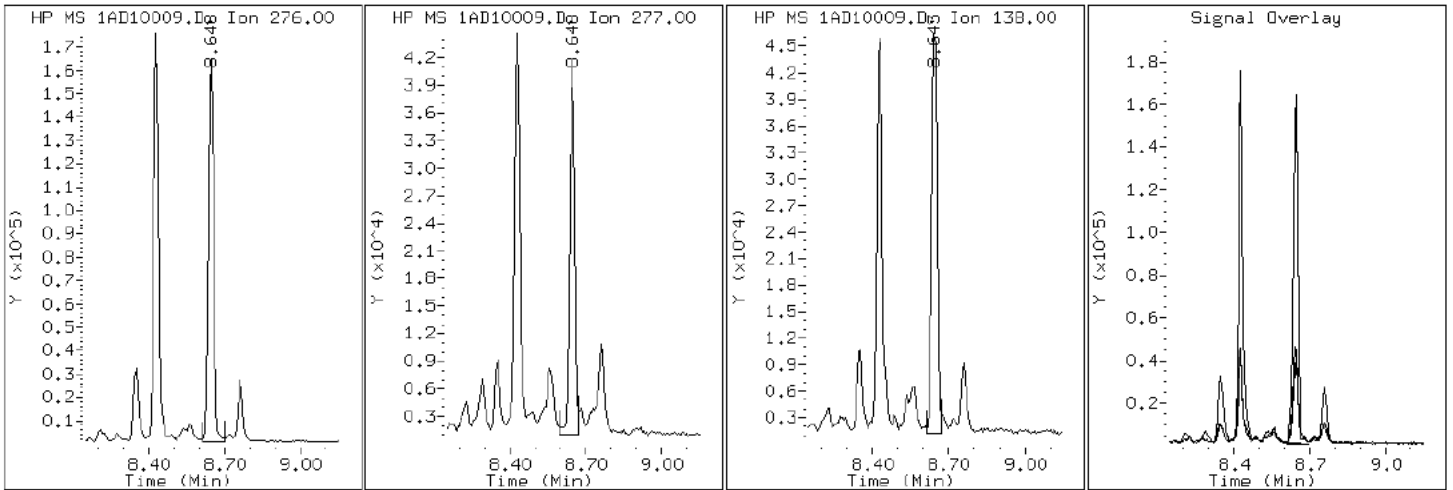
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

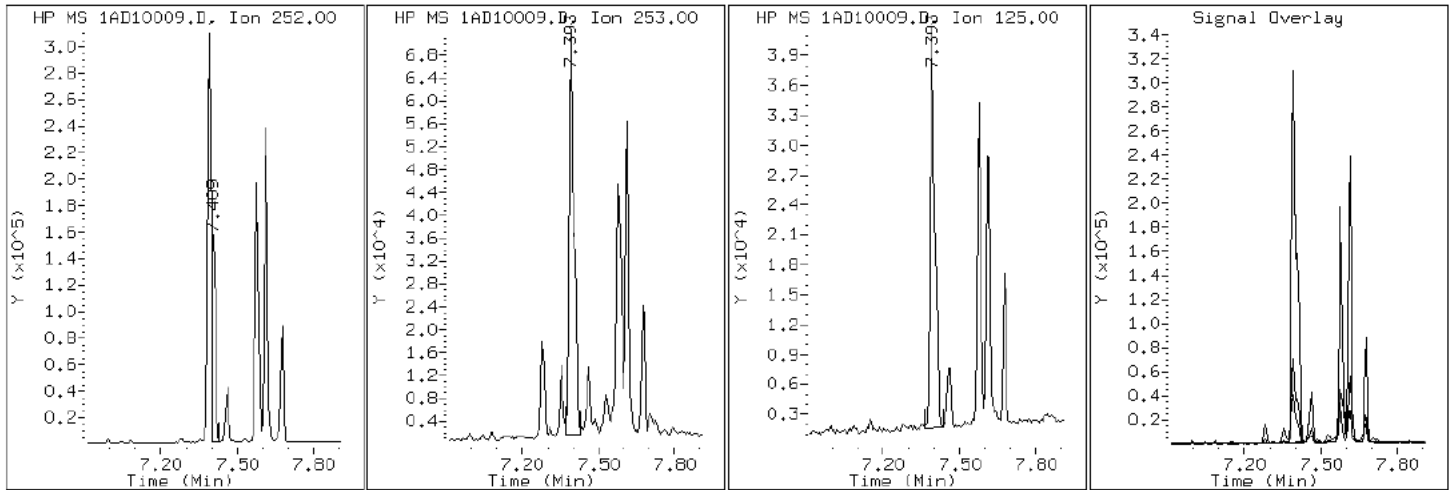
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

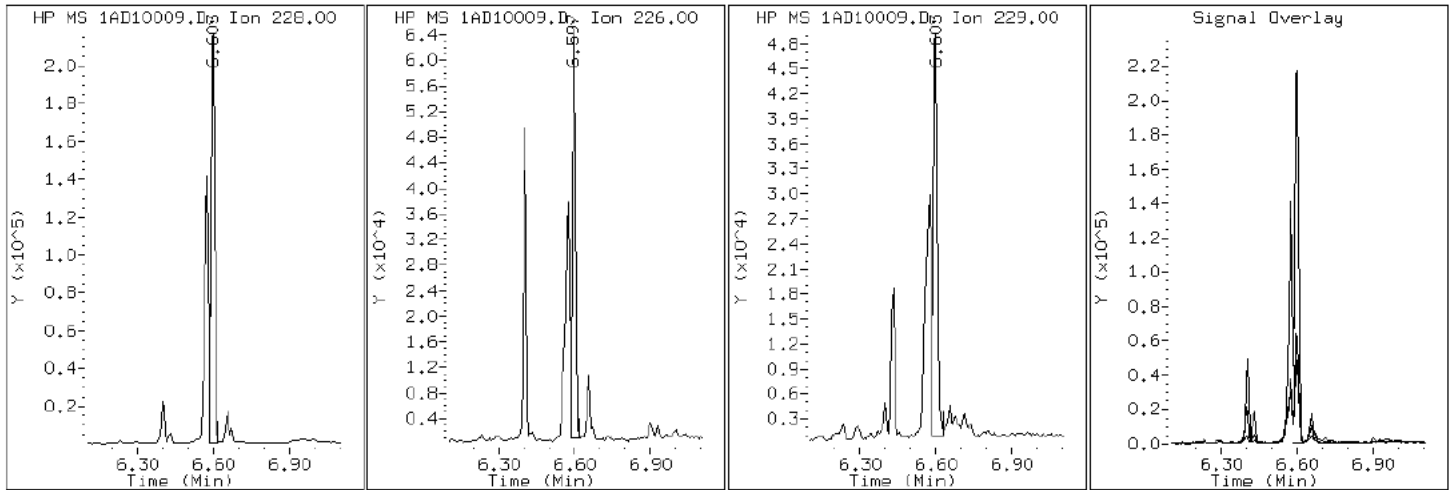
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

19 Chrysene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

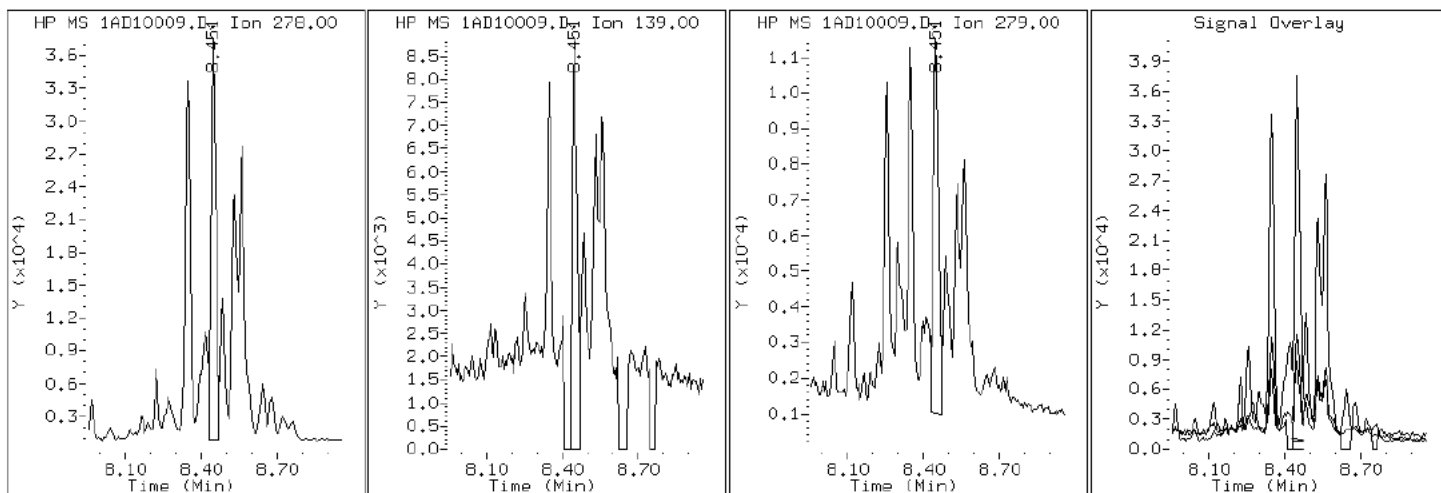
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

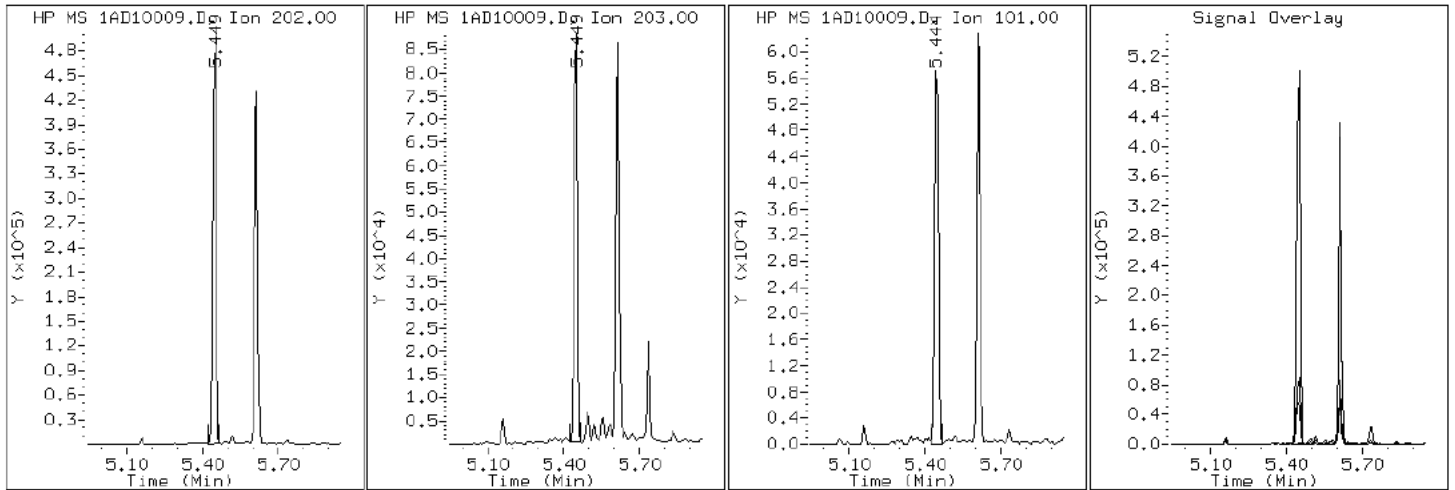
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

15 Fluoranthene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

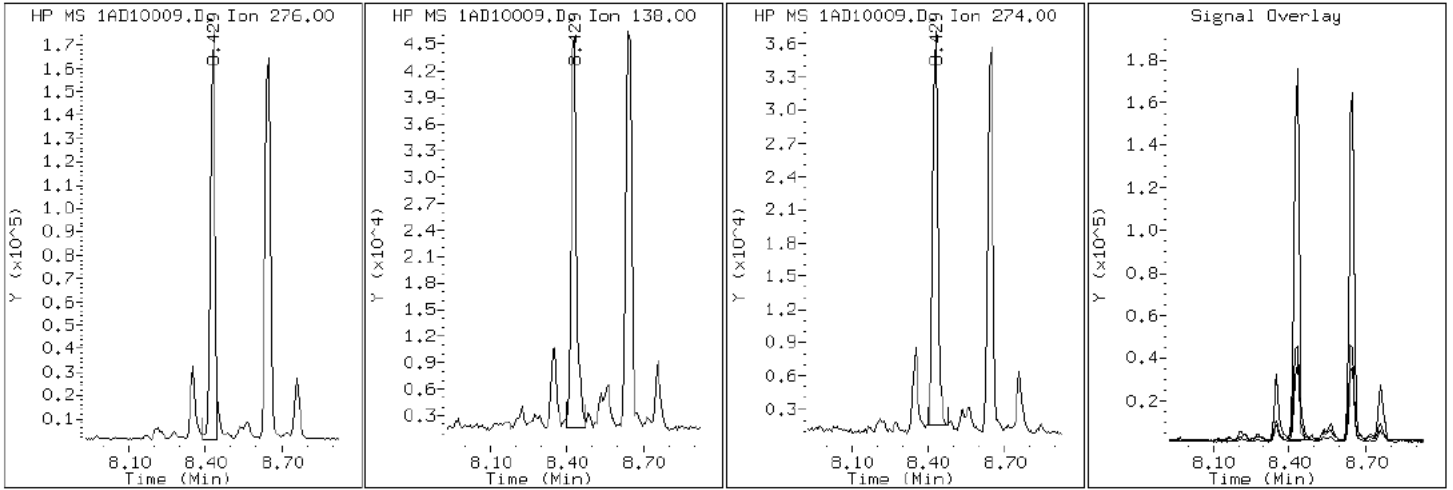
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

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



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

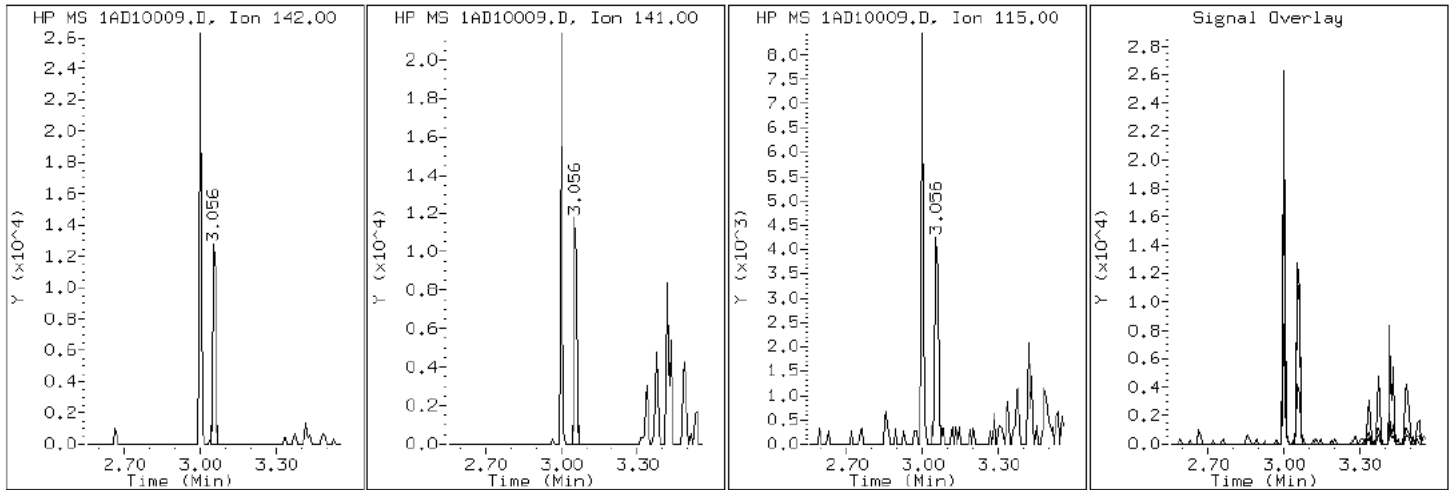
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

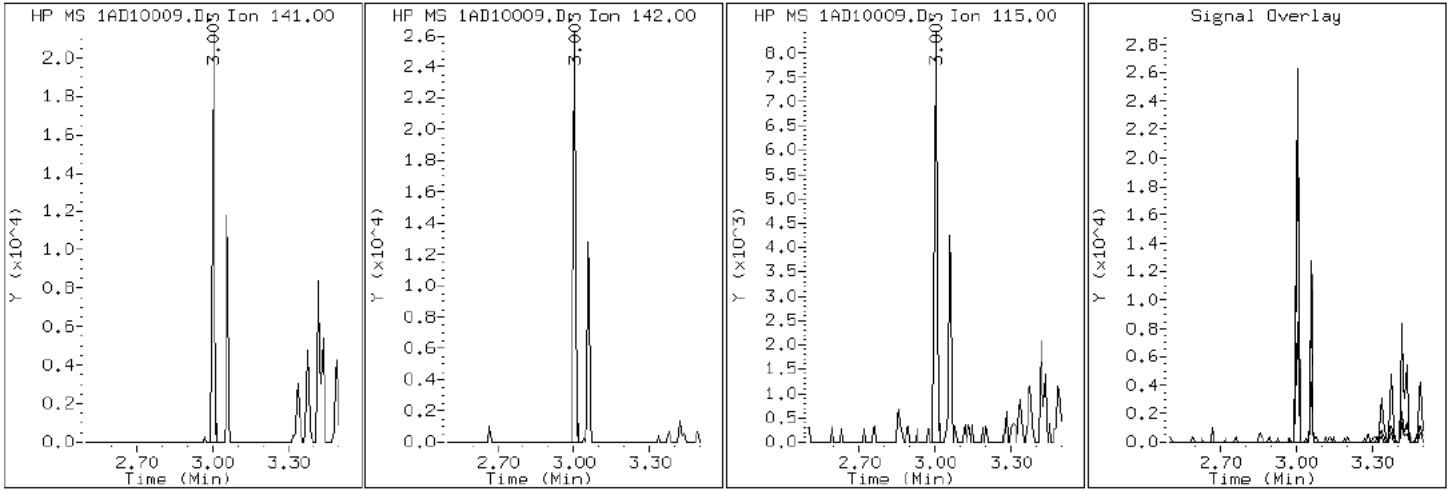
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

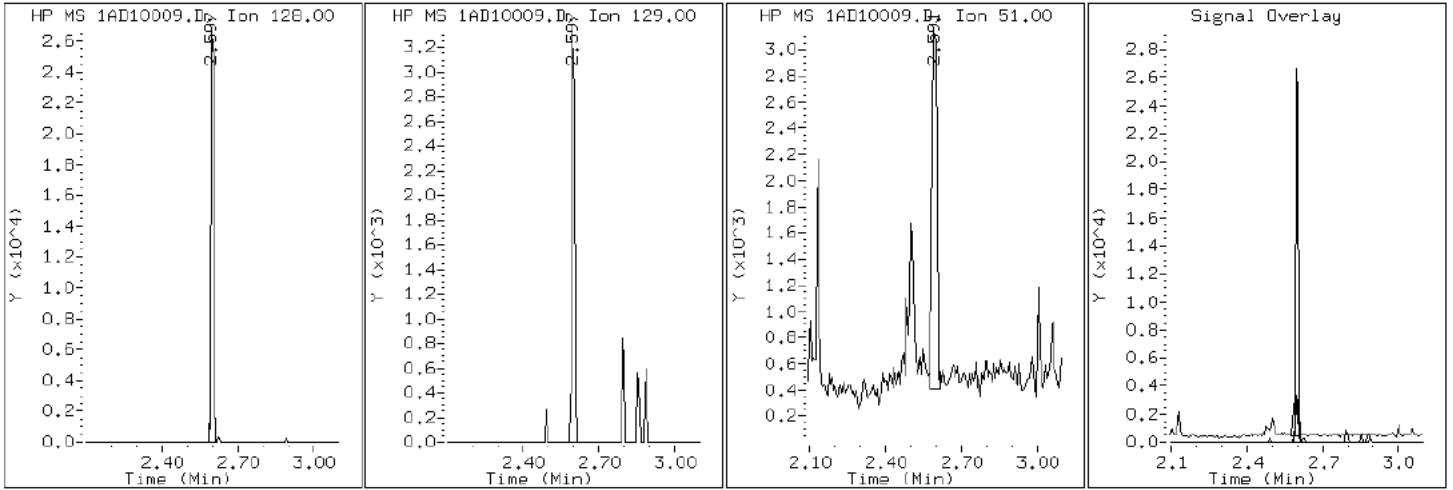
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

2 Naphthalene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

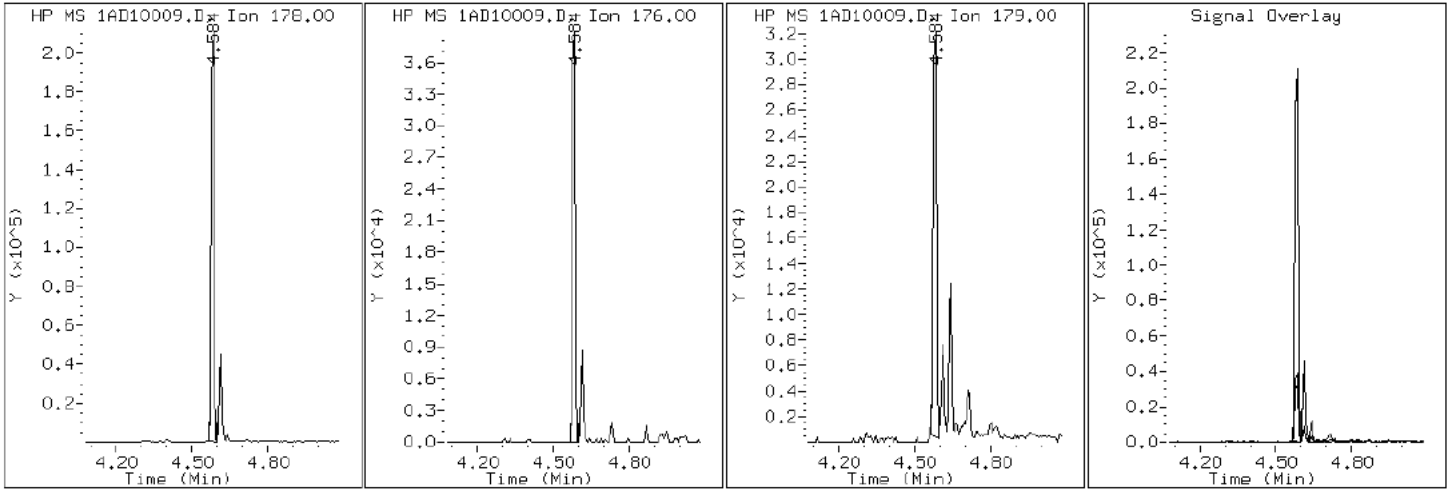
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

11 Phenanthrene



Data File: 1AD10009.D

Date: 10-APR-2013 14:12

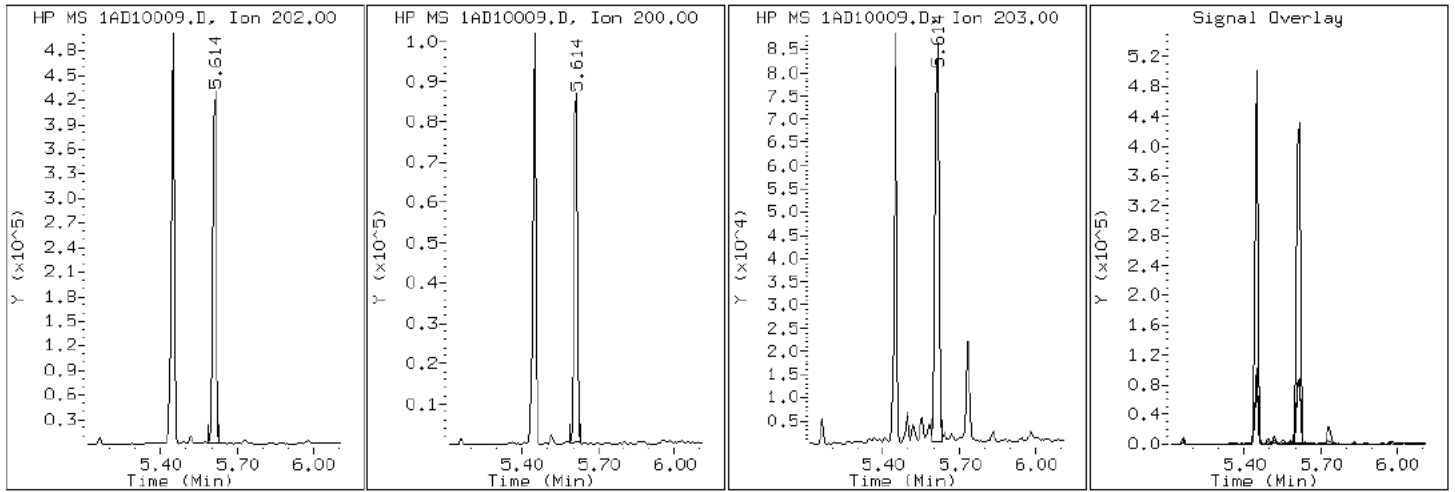
Client ID: CV1141A-CSD

Instrument: BSMA5973.i

Sample Info: 680-88811-a-83-a

Operator: SCC

16 Pyrene

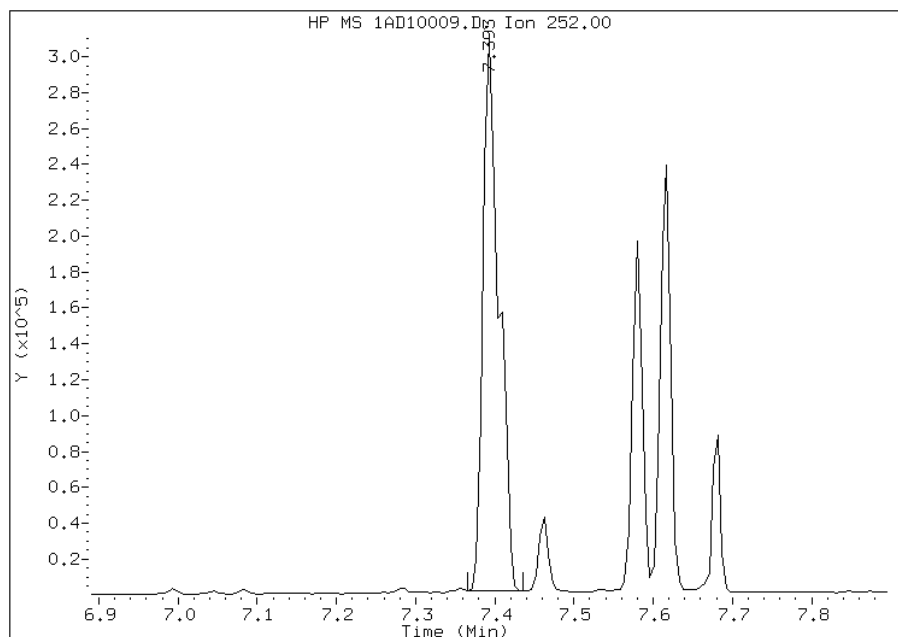


Manual Integration Report

Data File: 1AD10009.D
Inj. Date and Time: 10-APR-2013 14:12
Instrument ID: BSMA5973.i
Client ID: CV1141A-CSD
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

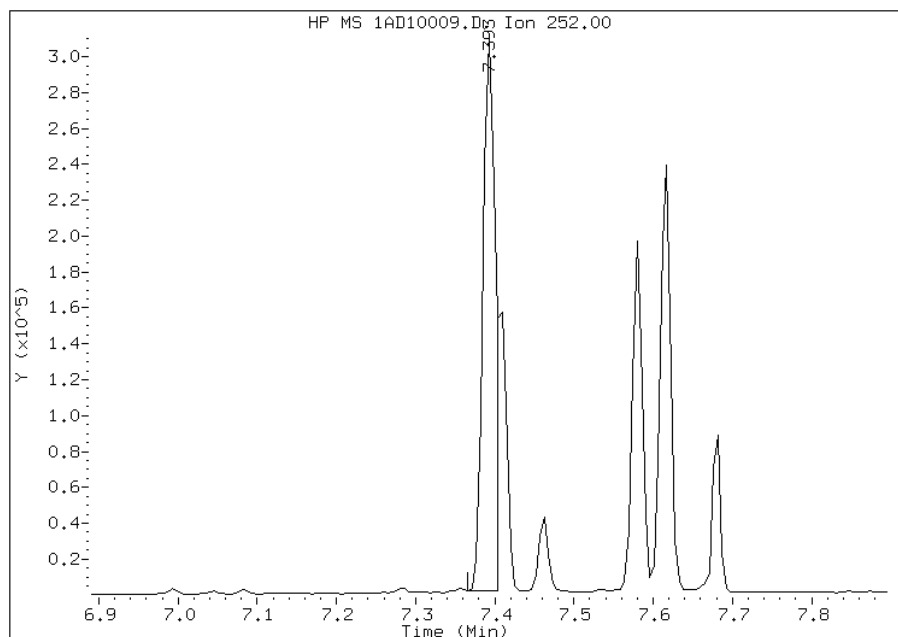
Processing Integration Results

RT: 7.39
Response: 425112
Amount: 9
Conc: 2906



Manual Integration Results

RT: 7.39
Response: 333238
Amount: 7
Conc: 2278



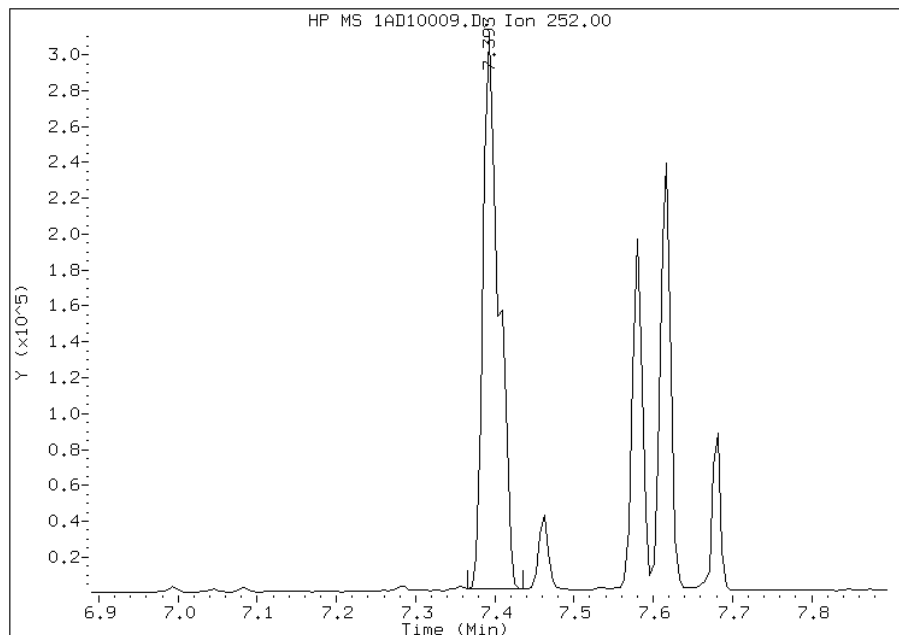
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:50
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD10009.D
Inj. Date and Time: 10-APR-2013 14:12
Instrument ID: BSMA5973.i
Client ID: CV1141A-CSD
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

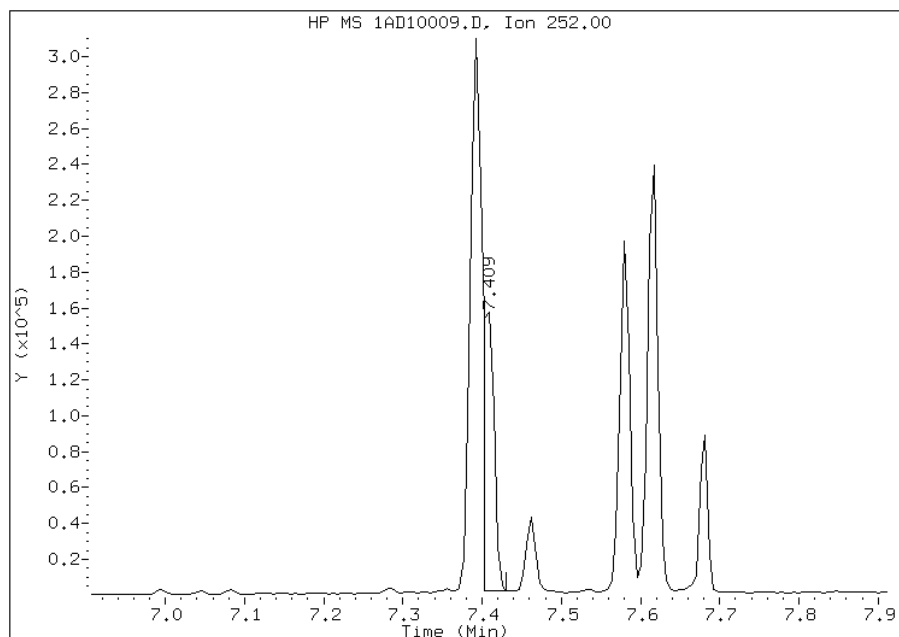
Processing Integration Results

RT: 7.39
Response: 425087
Amount: 8
Conc: 2616



Manual Integration Results

RT: 7.41
Response: 140500
Amount: 3
Conc: 865



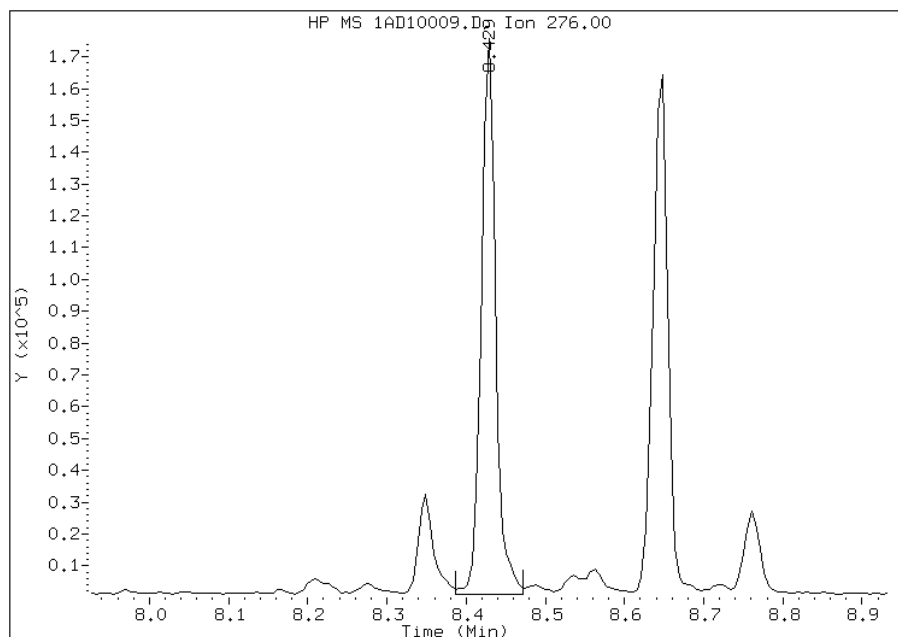
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:50
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD10009.D
Inj. Date and Time: 10-APR-2013 14:12
Instrument ID: BSMA5973.i
Client ID: CV1141A-CSD
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

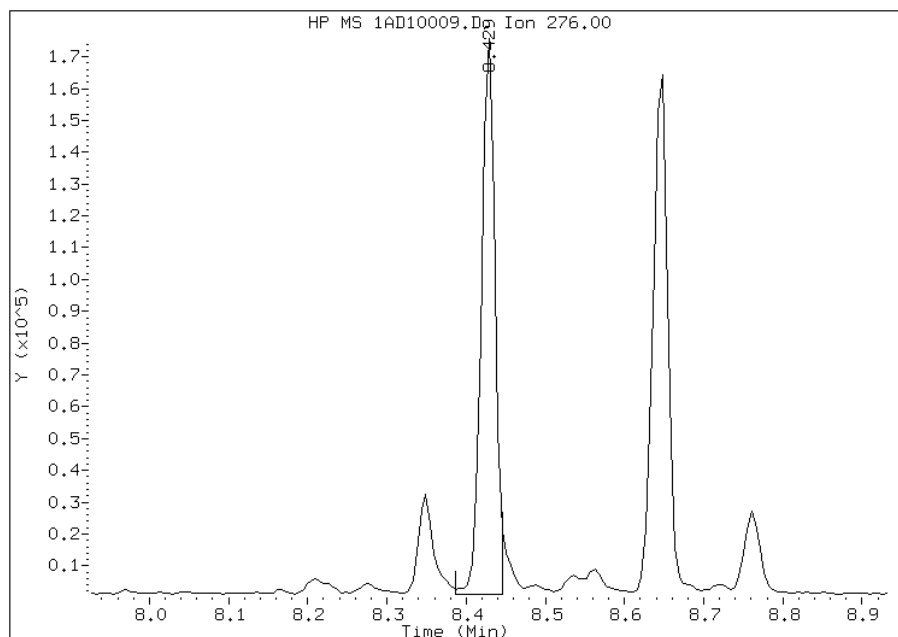
Processing Integration Results

RT: 8.43
Response: 216588
Amount: 5
Conc: 1680



Manual Integration Results

RT: 8.43
Response: 206371
Amount: 5
Conc: 1607



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:50
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1058A-CS Lab Sample ID: 680-88811-84
 Matrix: Solid Lab File ID: 1AD10010.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 15:15
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.41(g) Date Analyzed: 04/10/2013 14:27
 Con. Extract Vol.: 1(mL) Dilution Factor: 4
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 13.5 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 450 | U | 450 | 90 |
| 208-96-8 | Acenaphthylene | 180 | U | 180 | 23 |
| 120-12-7 | Anthracene | 170 | | 38 | 19 |
| 56-55-3 | Benzo[a]anthracene | 780 | | 36 | 18 |
| 50-32-8 | Benzo[a]pyrene | 920 | | 47 | 23 |
| 205-99-2 | Benzo[b]fluoranthene | 1900 | | 55 | 27 |
| 191-24-2 | Benzo[g,h,i]perylene | 1400 | | 90 | 20 |
| 207-08-9 | Benzo[k]fluoranthene | 680 | | 36 | 16 |
| 218-01-9 | Chrysene | 980 | | 41 | 20 |
| 53-70-3 | Dibenz(a,h)anthracene | 450 | | 90 | 18 |
| 206-44-0 | Fluoranthene | 830 | | 90 | 18 |
| 86-73-7 | Fluorene | 90 | U | 90 | 18 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 1300 | | 90 | 32 |
| 90-12-0 | 1-Methylnaphthalene | 140 | J | 180 | 20 |
| 91-57-6 | 2-Methylnaphthalene | 160 | J | 180 | 32 |
| 91-20-3 | Naphthalene | 160 | J | 180 | 20 |
| 85-01-8 | Phenanthrene | 420 | | 36 | 18 |
| 129-00-0 | Pyrene | 950 | | 90 | 17 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 68 | | 30-130 |

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10010.D
 Lab Smp Id: 680-88811-A-84-A Client Smp ID: CV1058A-CS
 Inj Date : 10-APR-2013 14:27
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88811-a-84-a
 Misc Info : 680-88811-A-84-A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 10
 Dil Factor: 4.00000
 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 | 4.000 | Dilution Factor |
| Vi | 1.000 | Injection Volume |
| Vt | 1.000 | Final Volume |
| Ws | 15.410 | Weight Extracted |
| M | 13.537 | % 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 | | | 2.591 | 2.584 | (1.000) | 1623277 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | | 3.616 | 3.615 | (1.000) | 879057 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | | 4.567 | 4.571 | (1.000) | 1416565 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | | 4.871 | 4.870 | (1.067) | 53521 | 1.69075 | 507.5836 |
| * 18 Chrysene-d12 | 240 | | | 6.586 | 6.584 | (1.000) | 1290989 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | | 7.670 | 7.663 | (1.000) | 1494557 | 40.0000 | |
| 2 Naphthalene | 128 | | | 2.602 | 2.600 | (1.004) | 16245 | 0.54064 | 162.3068 |
| 3 2-Methylnaphthalene | 141 | | | 3.002 | 3.000 | (1.159) | 12439 | 0.51782 | 155.4556 |
| 4 1-Methylnaphthalene | 142 | | | 3.061 | 3.059 | (1.181) | 9115 | 0.47049 | 141.2459 |
| 11 Phenanthrene | 178 | | | 4.583 | 4.581 | (1.004) | 73778 | 1.39073 | 417.5138 |
| 12 Anthracene | 178 | | | 4.615 | 4.619 | (1.011) | 18499 | 0.58197 | 174.7127 |
| 13 Carbazole | 167 | | | 4.743 | 4.747 | (1.039) | 10540 | 0.25610 | 76.8851 |
| 15 Fluoranthene | 202 | | | 5.448 | 5.447 | (1.193) | 170302 | 2.75416 | 826.8312 |
| 16 Pyrene | 202 | | | 5.614 | 5.612 | (0.852) | 157576 | 3.16753 | 950.9289 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|-------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | 6.575 | 6.574 | (0.998) | 111219 | 2.58268 | 775.3501 |
| 19 Chrysene | 228 | 6.602 | 6.606 | (1.002) | 143438 | 3.26589 | 980.4577 |
| 20 Benzo(b)fluoranthene | 252 | 7.392 | 7.391 | (0.964) | 280564 | 6.19106 | 1858.6296(M) |
| 21 Benzo(k)fluoranthene | 252 | 7.403 | 7.412 | (0.965) | 114815 | 2.28115 | 684.8287(QM) |
| 22 Benzo(a)pyrene | 252 | 7.617 | 7.615 | (0.993) | 167704 | 3.07773 | 923.9696 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.434 | 8.427 | (1.100) | 163976 | 4.19994 | 1260.8710(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.455 | 8.459 | (1.102) | 56014 | 1.48246 | 445.0509 |
| 26 Benzo(g,h,i)perylene | 276 | 8.648 | 8.651 | (1.127) | 184581 | 4.53444 | 1361.2921 |

QC Flag Legend

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

Data File: 1AD10010.D

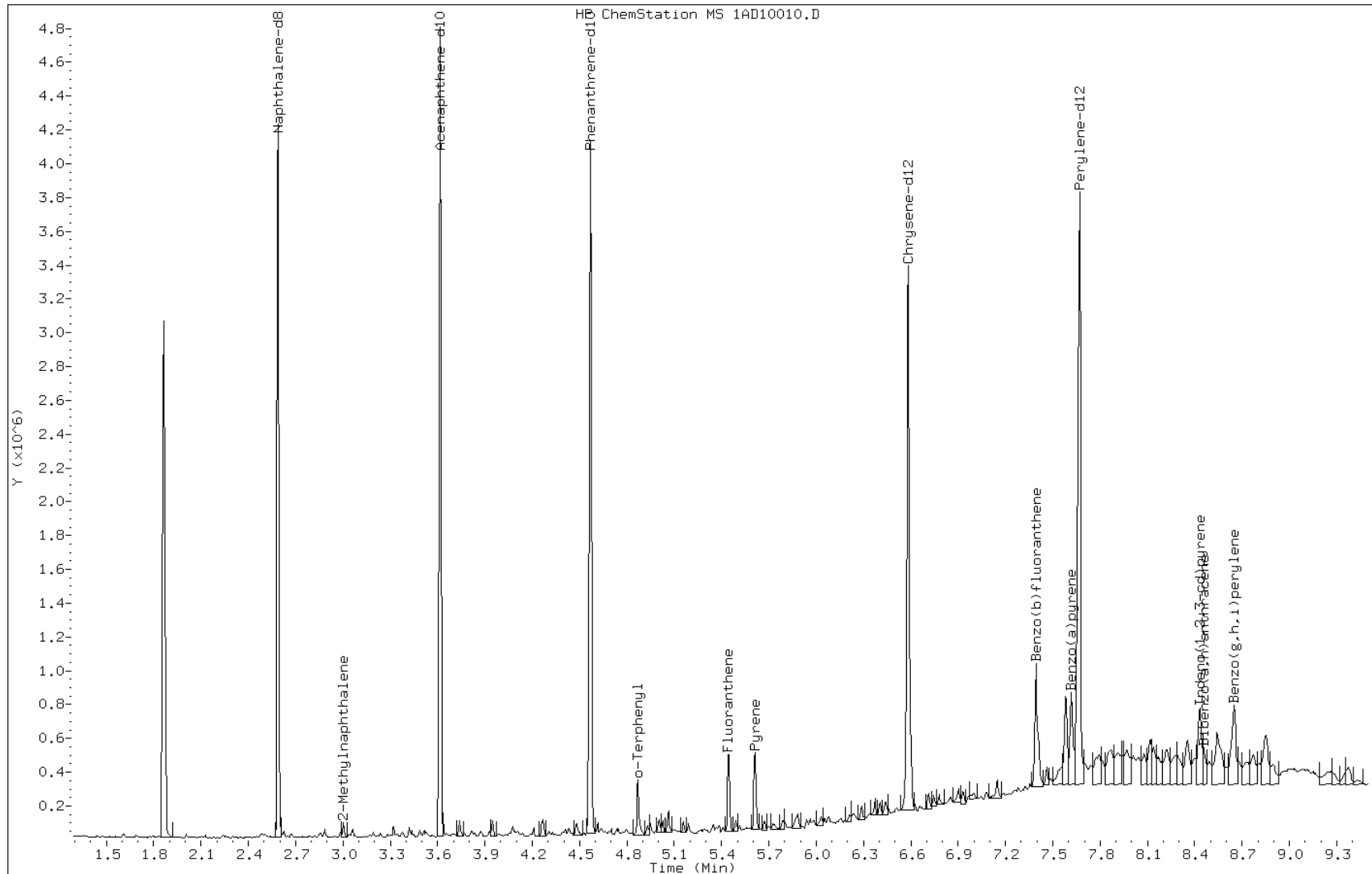
Date: 10-APR-2013 14:27

Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

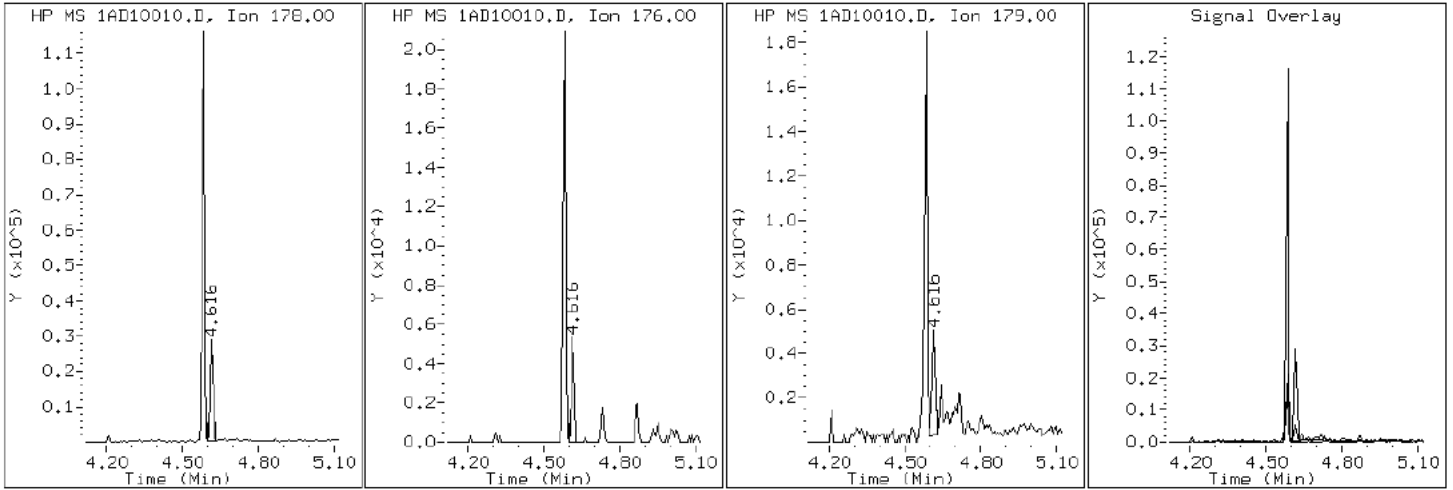
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

12 Anthracene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

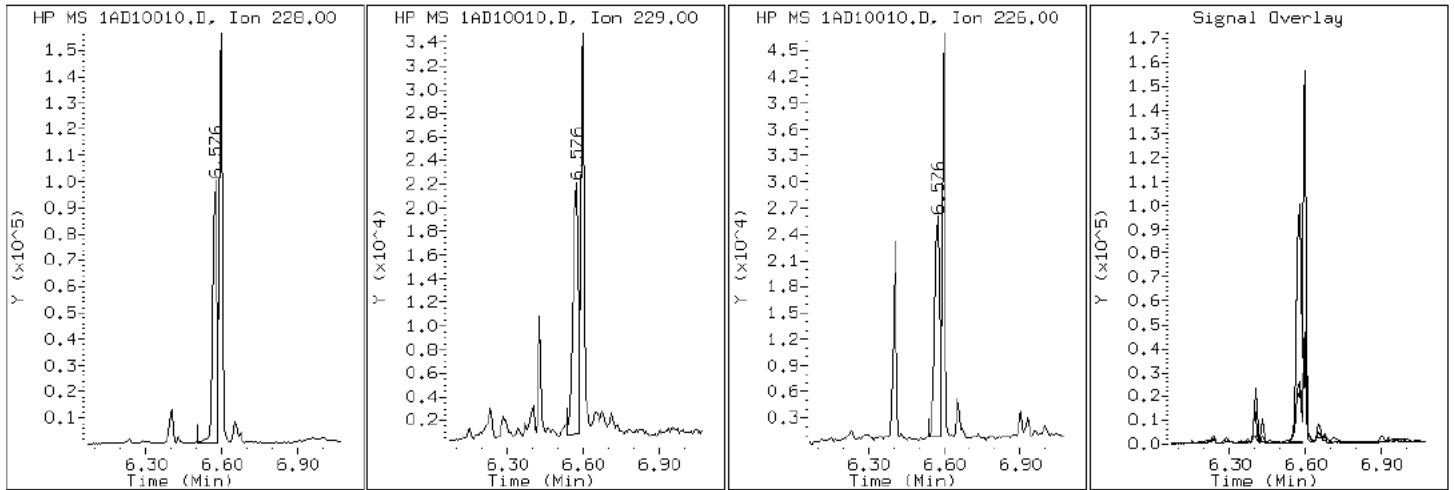
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

17 Benzo(a)anthracene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

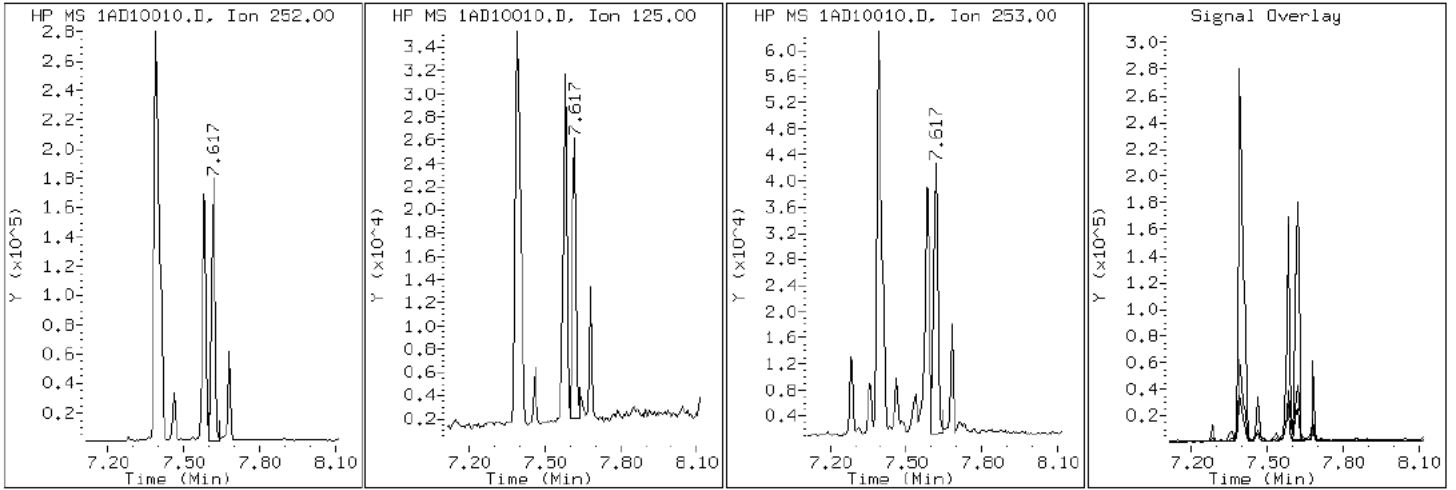
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

22 Benzo(a)pyrene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

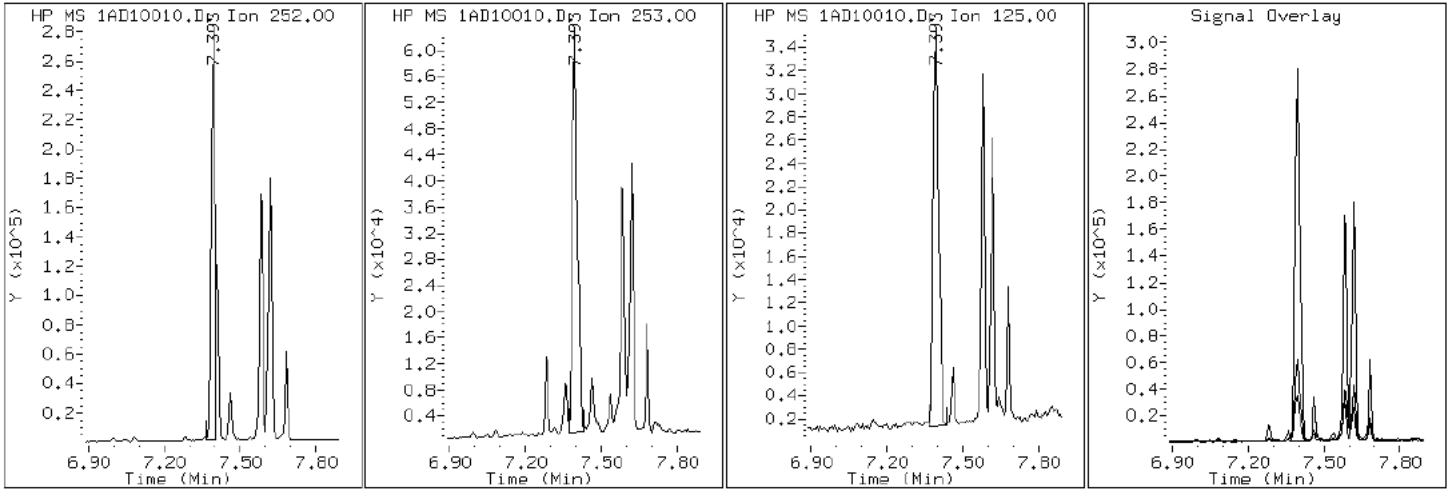
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

20 Benzo (b) fluoranthene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

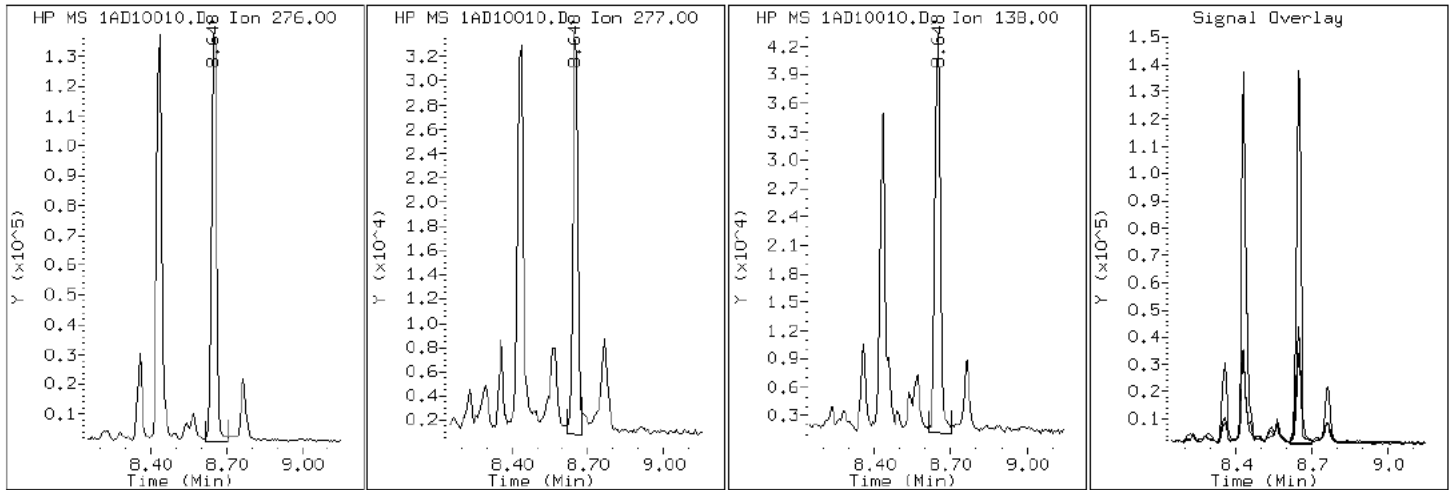
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

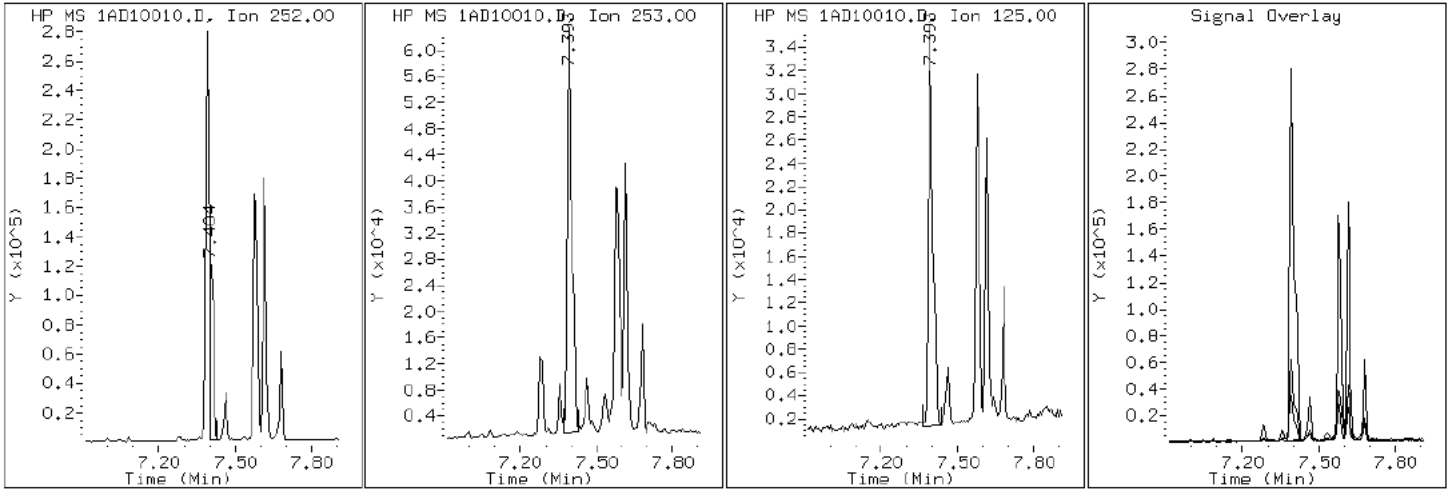
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

21 Benzo(k)fluoranthene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

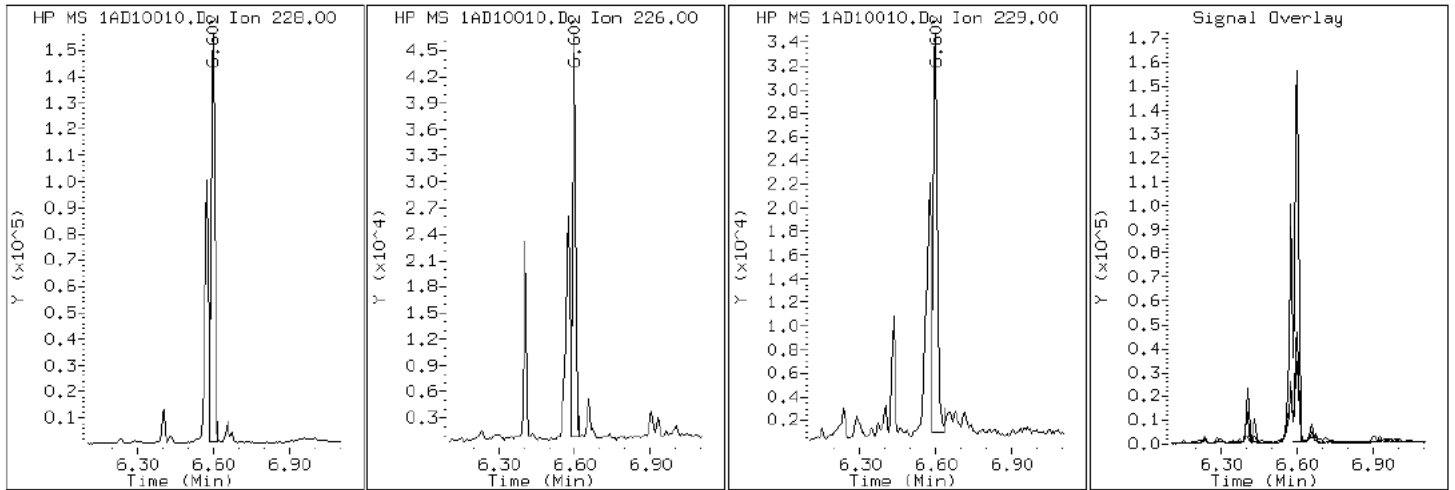
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

19 Chrysene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

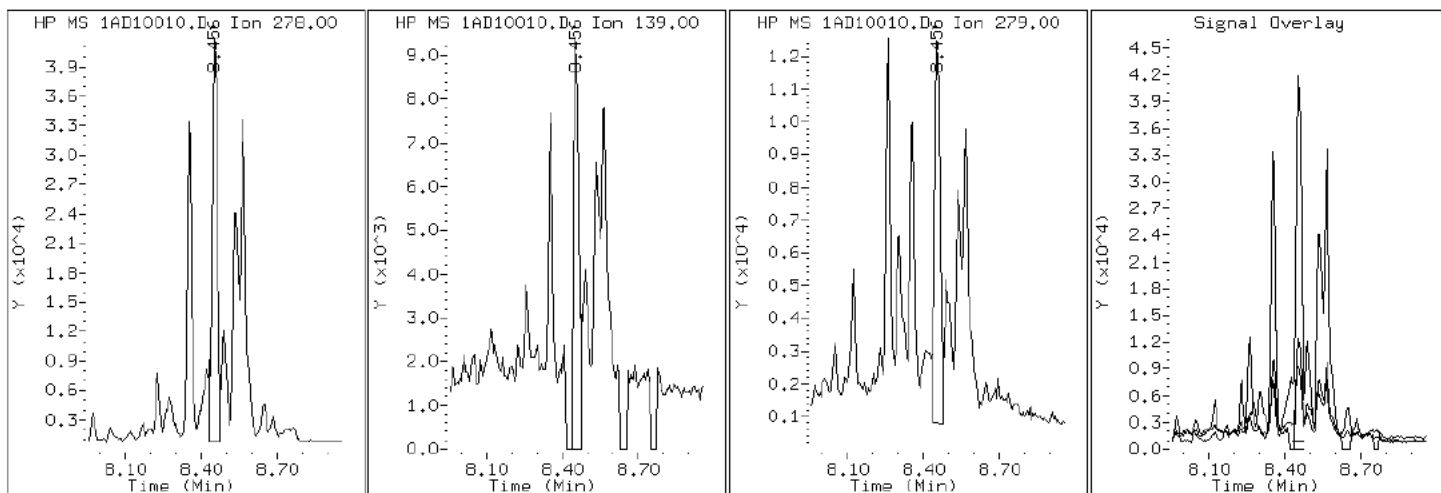
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

25 Dibenzo (a,h) anthracene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

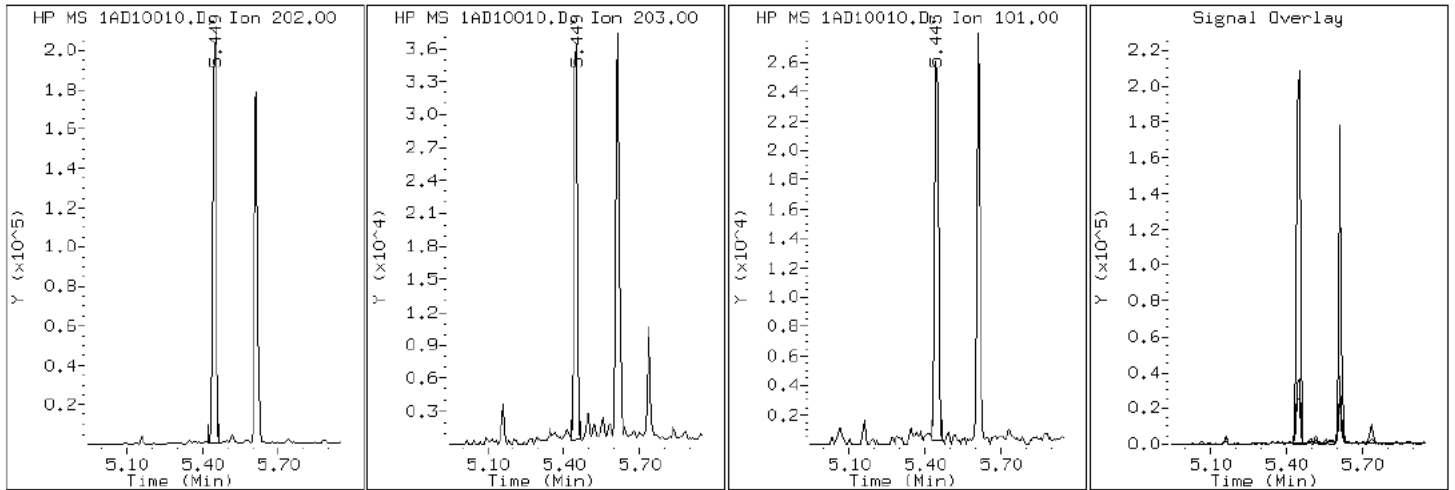
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

15 Fluoranthene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

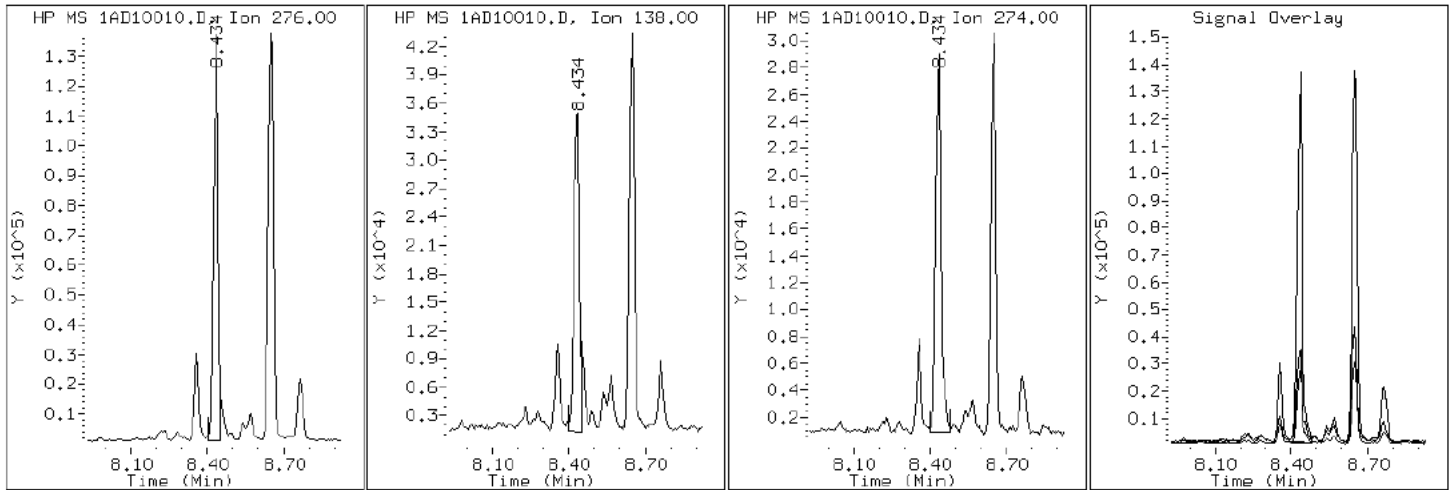
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

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



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

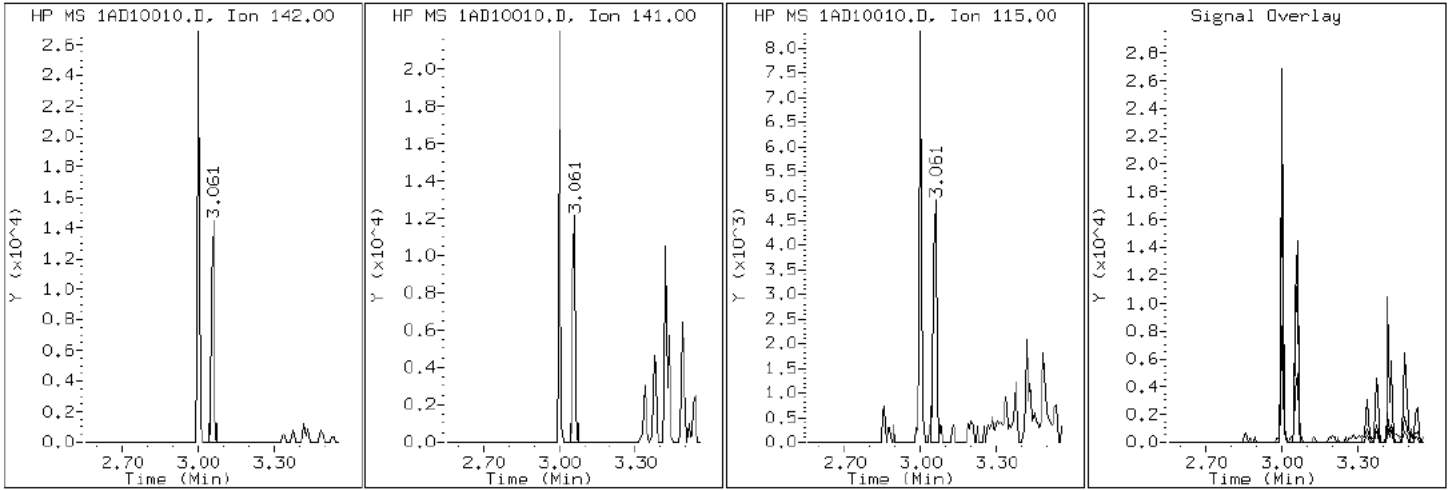
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

4 1-Methylnaphthalene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

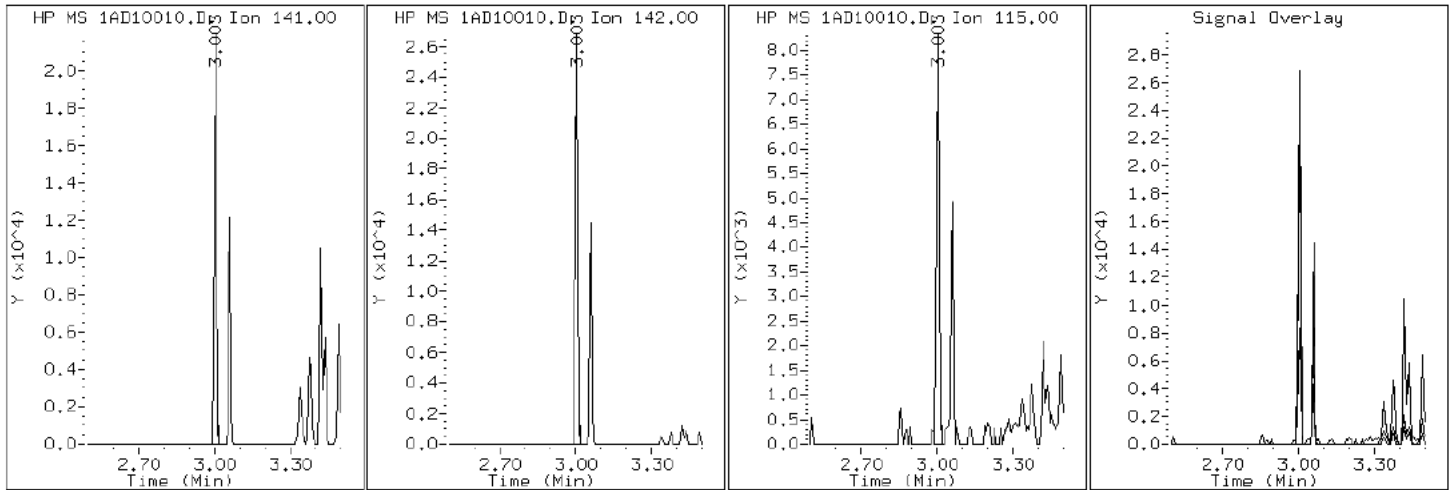
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

3 2-Methylnaphthalene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

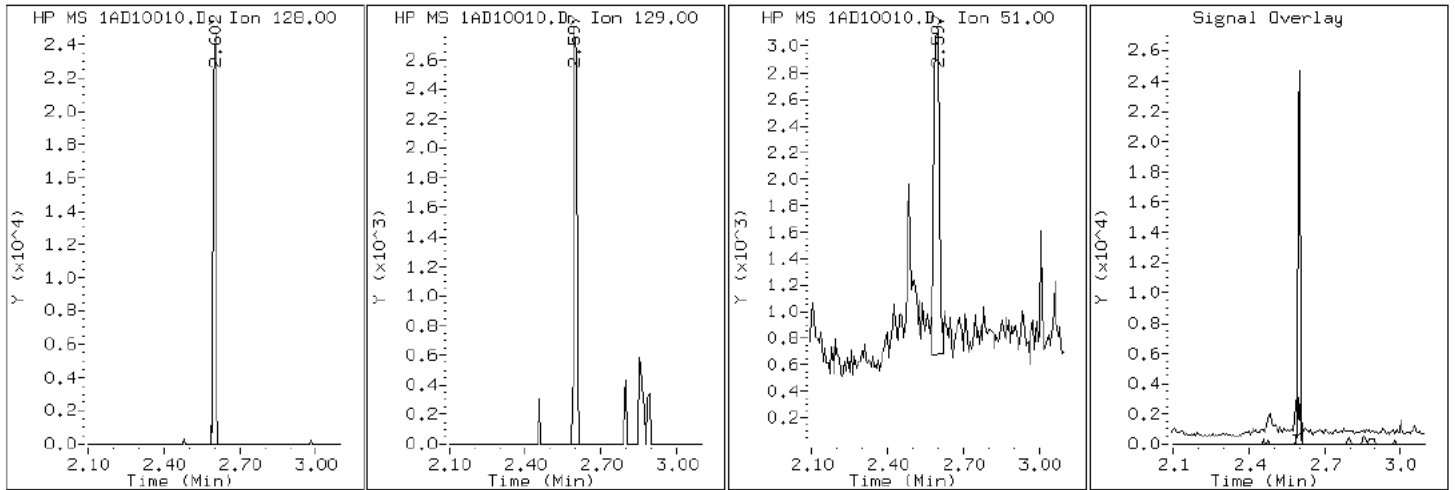
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

2 Naphthalene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

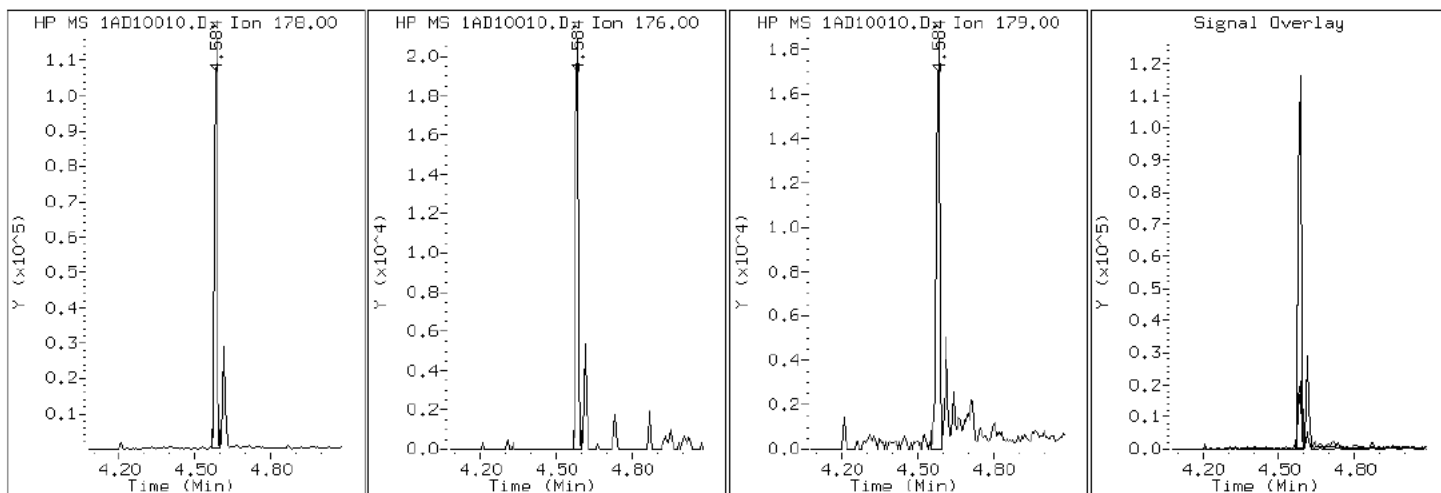
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

11 Phenanthrene



Data File: 1AD10010.D

Date: 10-APR-2013 14:27

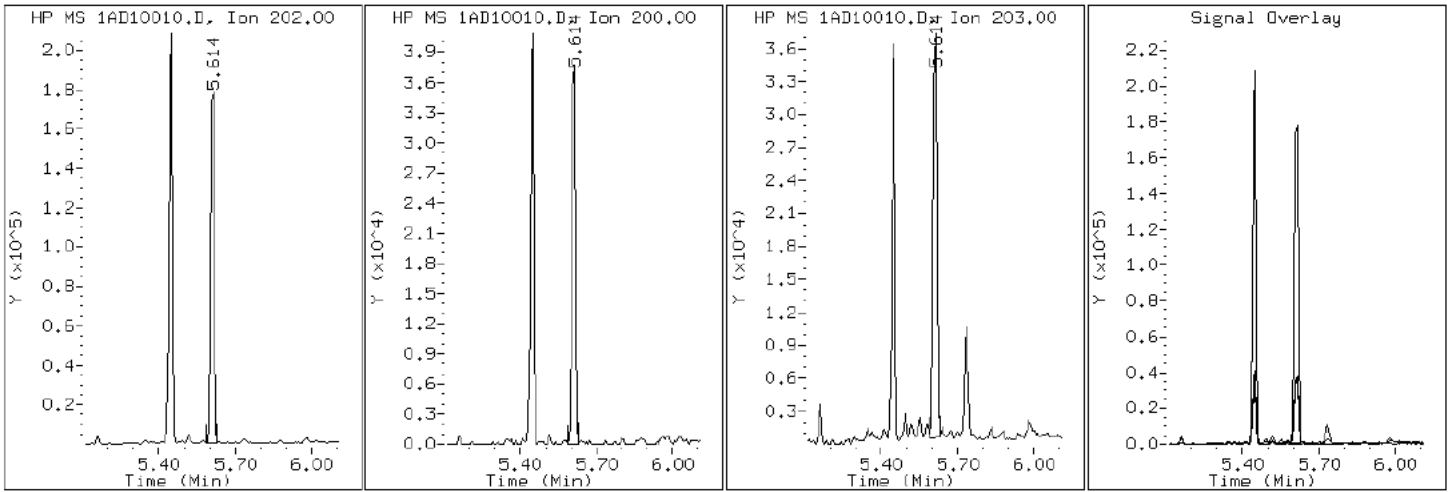
Client ID: CV1058A-CS

Instrument: BSMA5973.i

Sample Info: 680-88811-a-84-a

Operator: SCC

16 Pyrene

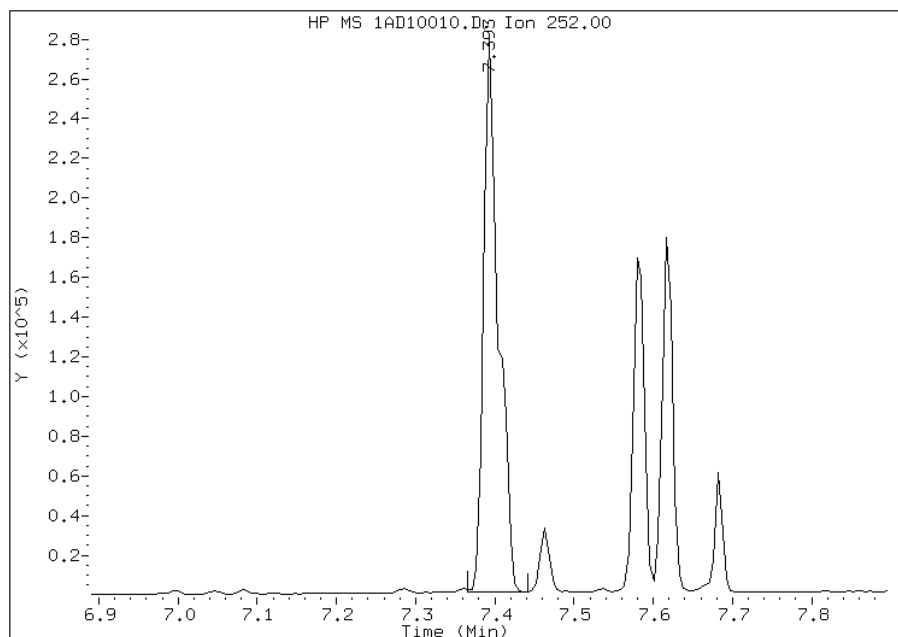


Manual Integration Report

Data File: 1AD10010.D
Inj. Date and Time: 10-APR-2013 14:27
Instrument ID: BSMA5973.i
Client ID: CV1058A-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 04/10/2013

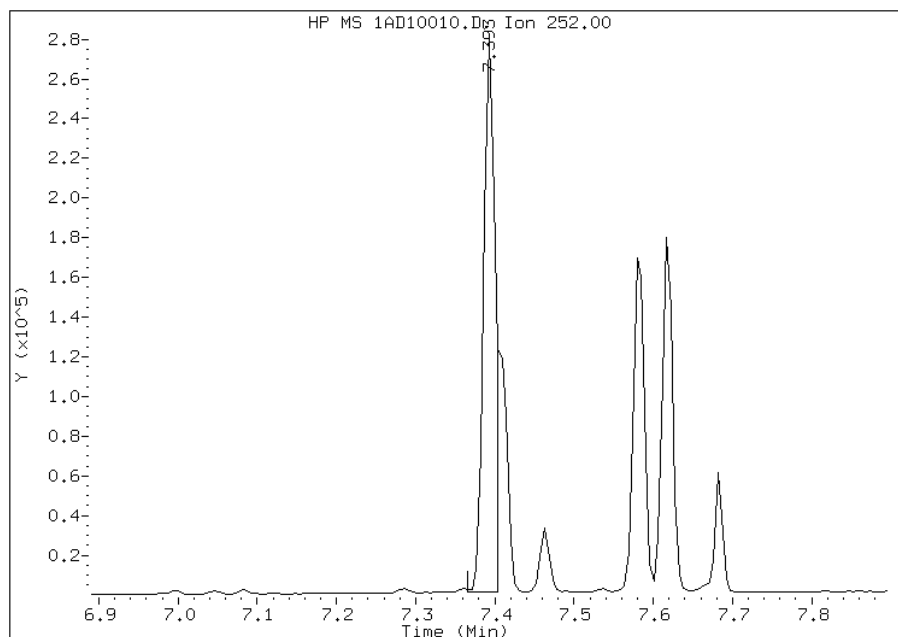
Processing Integration Results

RT: 7.39
Response: 356670
Amount: 8
Conc: 2363



Manual Integration Results

RT: 7.39
Response: 280564
Amount: 6
Conc: 1859



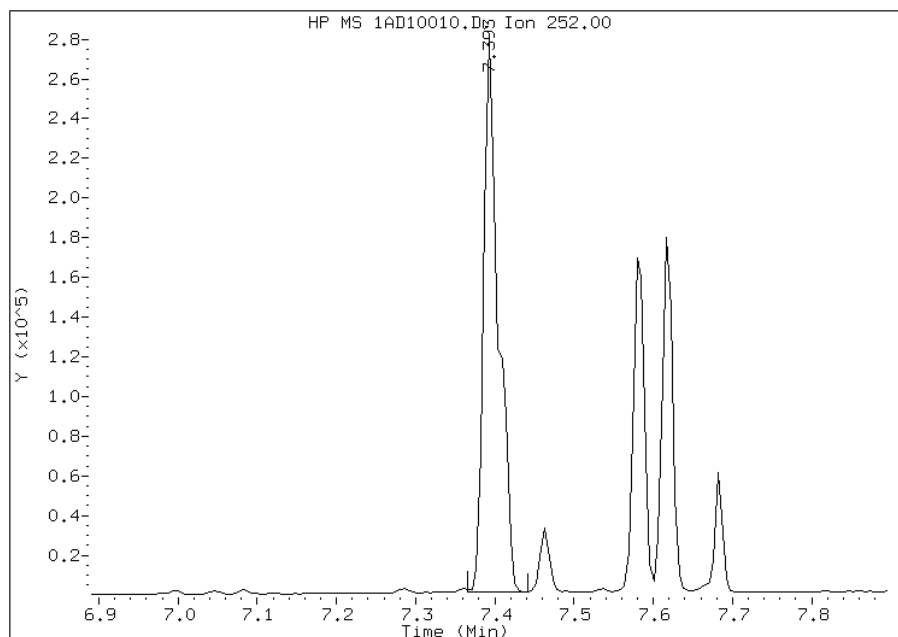
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:51
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AD10010.D
Inj. Date and Time: 10-APR-2013 14:27
Instrument ID: BSMA5973.i
Client ID: CV1058A-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/10/2013

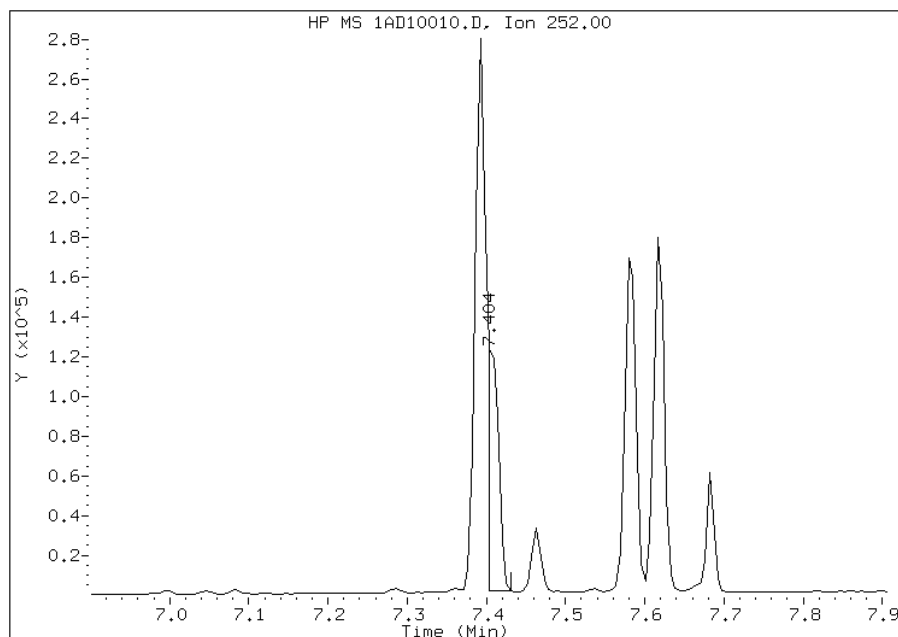
Processing Integration Results

RT: 7.39
Response: 356665
Amount: 7
Conc: 2127



Manual Integration Results

RT: 7.40
Response: 114815
Amount: 2
Conc: 685



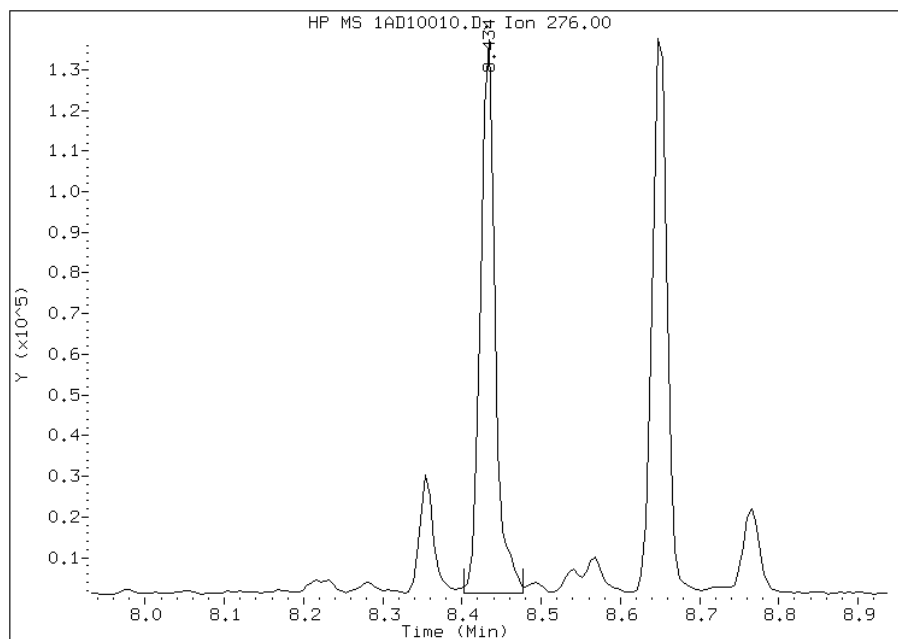
Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:51
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD10010.D
Inj. Date and Time: 10-APR-2013 14:27
Instrument ID: BSMA5973.i
Client ID: CV1058A-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

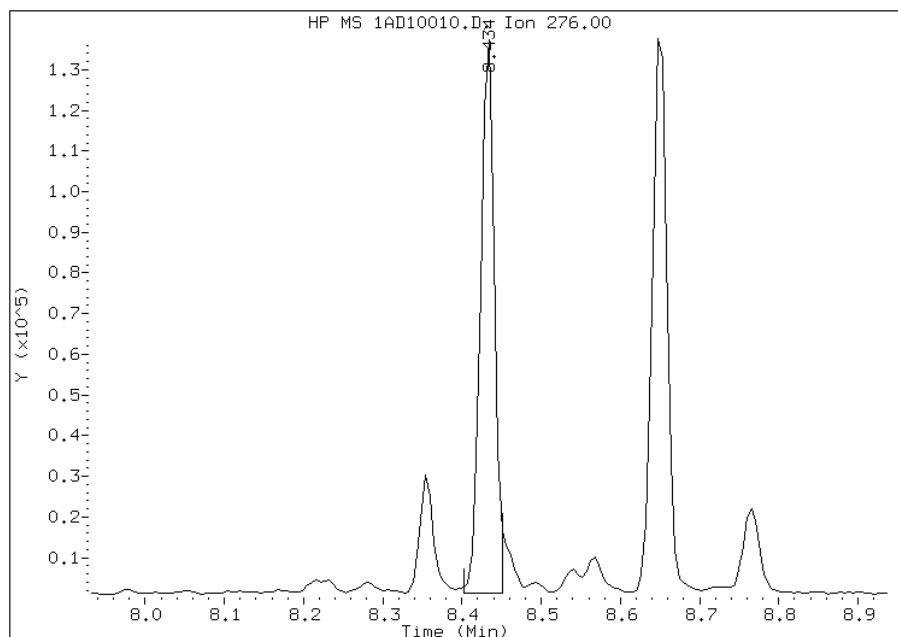
Processing Integration Results

RT: 8.43
Response: 174377
Amount: 4
Conc: 1333



Manual Integration Results

RT: 8.43
Response: 163976
Amount: 4
Conc: 1261



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 15:52
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-88811-4 Analy Batch No.: 136269

SDG No.: 68088811-4

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 10:31 Calibration End Date: 04/09/2013 12:03 Calibration ID: 2879

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136269/4 | 1AD09004.D |
| Level 2 | IC 660-136269/5 | 1AD09005.D |
| Level 3 | IC 660-136269/6 | 1AD09006.D |
| Level 4 | IC 660-136269/7 | 1AD09007.D |
| Level 5 | ICIS 660-136269/3 | 1AD09003.D |
| Level 6 | IC 660-136269/8 | 1AD09008.D |
| Level 7 | IC 660-136269/9 | 1AD09009.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 | 1.3224 0.9765 | 1.4000 0.8017 | 1.3635 | 1.2150 | 1.0716 | Qua | 0.0080 | 0.5426 | 0.6857 | | 0.0000 | | | 0.9993 | | 0.9900 | |
| 2-Methylnaphthalene | 0.7329 0.5668 | 0.8103 0.4772 | 0.7905 | 0.7267 | 0.6335 | Qua | 0.0053 | 0.9838 | 1.8407 | | 0.0000 | | | 0.9999 | | 0.9900 | |
| 1-Methylnaphthalene | 0.8386 0.6150 | 0.9303 0.5096 | 0.8954 | 0.8140 | 0.7011 | Qua | 0.0073 | 0.7826 | 1.8237 | | 0.0000 | | | 0.9998 | | 0.9900 | |
| Acenaphthylene | 2.2852 2.0298 | 2.6251 1.6808 | 2.7037 | 2.5182 | 2.2909 | Qua | 0.0115 | 0.2519 | 0.1589 | | 0.0000 | | | 0.9994 | | 0.9900 | |
| Acenaphthene | 1.5922 1.0788 | 1.6354 0.8649 | 1.5785 | 1.4057 | 1.2316 | Qua | 0.0131 | 0.3660 | 0.7088 | | 0.0000 | | | 0.9988 | | 0.9900 | |
| Fluorene | 1.8212 1.3872 | 1.9992 1.1679 | 1.9526 | 1.7894 | 1.6127 | Qua | 0.0081 | 0.3641 | 0.3322 | | 0.0000 | | | 0.9995 | | 0.9900 | |
| Phenanthrene | 1.5193 1.0595 | 1.5667 0.8792 | 1.5313 | 1.3080 | 1.1973 | Qua | 0.0076 | 0.4914 | 0.5760 | | 0.0000 | | | 0.9994 | | 0.9900 | |
| Anthracene | 1.3573 1.1067 | 1.5429 0.9179 | 1.5952 | 1.3826 | 1.2521 | Qua | 0.0084 | 0.4622 | 0.5355 | | 0.0000 | | | 0.9995 | | 0.9900 | |
| Carbazole | 1.2628 1.0315 | 1.3986 0.9052 | 1.4241 | 1.2737 | 1.1703 | Qua | 0.0017 | 0.6266 | 0.4228 | | 0.0000 | | | 0.9997 | | 0.9900 | |
| Fluoranthene | 1.4701 1.2946 | 1.6137 1.1364 | 1.7586 | 1.5469 | 1.4284 | Qua | 0.0017 | 0.5289 | 0.2464 | | 0.0000 | | | 0.9999 | | 0.9900 | |
| Pyrene | 1.4282 1.4686 | 1.6373 1.3402 | 1.7458 | 1.6229 | 1.5466 | Ave | | 1.5414 | | | 0.0000 | 9.0 | 15.0 | | | | |
| Benzo[a]anthracene | 1.6104 1.2697 | 1.3097 1.2400 | 1.2955 | 1.2760 | 1.3387 | Ave | | 1.3343 | | | 0.0000 | 9.4 | 15.0 | | | | |
| Chrysene | 1.6339 1.2107 | 1.4418 1.1348 | 1.5177 | 1.3469 | 1.2400 | Ave | | 1.3608 | | | 0.0000 | 13.2 | 15.0 | | | | |
| Benzo[b]fluoranthene | 0.9175 1.1946 | 1.1320 1.1920 | 1.3269 | 1.3588 | 1.3681 | Ave | | 1.2129 | | | 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 CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-88811-4 Analy Batch No.: 136269

SDG No.: 68088811-4

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 10:31 Calibration End Date: 04/09/2013 12:03 Calibration ID: 2879

| 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 | 1.3268 1.2986 | 1.4932 1.0881 | 1.5477 | 1.4089 | 1.2662 | Ave | | 1.3471 | | | 0.0000 | 11.4 | 15.0 | | | | |
| Benzo[a]pyrene | 0.8134 1.1999 | 1.0851 1.1027 | 1.3072 | 1.3135 | 1.2775 | Lin | -0.023 | 1.1218 | | | 0.0000 | | | 0.9948 | | 0.9900 | |
| Indeno[1,2,3-cd]pyrene | 0.7532 1.0932 | 0.8646 1.1587 | 1.0485 | 1.0912 | 1.1534 | Lin | 0.0100 | 1.1550 | | | 0.0000 | | | 0.9990 | | 0.9900 | |
| Dibenz(a,h)anthracene | 0.7178 1.0472 | 0.9464 1.0187 | 1.1445 | 1.1001 | 1.1041 | Ave | | 1.0113 | | | 0.0000 | 14.3 | 15.0 | | | | |
| Benzo[g,h,i]perylene | 0.8511 1.0948 | 1.0645 1.0908 | 1.2109 | 1.1539 | 1.1604 | Ave | | 1.0895 | | | 0.0000 | 10.7 | 15.0 | | | | |
| o-Terphenyl | 0.7785 0.6136 | 0.8535 0.5258 | 0.8734 | 0.7621 | 0.6900 | Qua | 0.0032 | 0.9810 | 1.3913 | | 0.0000 | | | 0.9999 | | 0.9900 | |

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.: 680-88811-4 Analy Batch No.: 136269

SDG No.: 68088811-4

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 10:31 Calibration End Date: 04/09/2013 12:03 Calibration ID: 2879

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136269/4 | 1AD09004.D |
| Level 2 | IC 660-136269/5 | 1AD09005.D |
| Level 3 | IC 660-136269/6 | 1AD09006.D |
| Level 4 | IC 660-136269/7 | 1AD09007.D |
| Level 5 | ICIS 660-136269/3 | 1AD09003.D |
| Level 6 | IC 660-136269/8 | 1AD09008.D |
| Level 7 | IC 660-136269/9 | 1AD09009.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 | Qua | 10553 1127860 | 55648 1619928 | 276099 | 485647 | 872905 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | NPT | Qua | 5849 654719 | 32210 964208 | 160075 | 290460 | 516058 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 1-Methylnaphthalene | NPT | Qua | 6692 710356 | 36981 1029789 | 181314 | 325358 | 571076 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthylene | ANT | Qua | 10106 1267654 | 56503 1835956 | 295444 | 539778 | 986696 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthene | ANT | Qua | 7041 673705 | 35202 944792 | 172486 | 301306 | 530481 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluorene | ANT | Qua | 8054 866311 | 43032 1275723 | 213369 | 383564 | 694627 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Phenanthrene | PHN | Qua | 11894 1181849 | 59534 1731795 | 287355 | 508104 | 923673 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Anthracene | PHN | Qua | 10626 1234547 | 58627 1808013 | 299351 | 537109 | 965900 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Carbazole | PHN | Qua | 9886 1150659 | 53147 1782940 | 267240 | 494781 | 902848 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluoranthene | PHN | Qua | 11509 1444198 | 61320 2238386 | 330009 | 600925 | 1101924 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Pyrene | CRY | Ave | 12437 1510231 | 67963 2285792 | 358125 | 646018 | 1181137 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[a]anthracene | CRY | Ave | 14023 1305727 | 54365 2115003 | 265739 | 507927 | 1022353 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Chrysene | CRY | Ave | 14228 1244973 | 59848 1935588 | 311327 | 536146 | 946973 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[b]fluoranthene | PRY | Ave | 8447 1370829 | 49060 2346142 | 294818 | 577802 | 1151054 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[k]fluoranthene | PRY | Ave | 12215 1490192 | 64713 2141556 | 343870 | 599091 | 1065277 | 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.: 680-88811-4 Analy Batch No.: 136269

SDG No.: 68088811-4

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2013 10:31 Calibration End Date: 04/09/2013 12:03 Calibration ID: 2879

| 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 | Lin | 7488 1376984 | 47028 2170224 | 290438 | 558538 | 1074806 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Lin | 6934 1254537 | 37472 2280613 | 232949 | 463994 | 970417 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 6608 1201661 | 41017 2004976 | 254287 | 467797 | 928898 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 7835 1256283 | 46132 2146933 | 269029 | 490640 | 976266 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| o-Terphenyl | PHN | Qua | 6095 684444 | 32431 1035762 | 163893 | 296051 | 532318 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

| |
|----------------------|
| Ave = Average ISTD |
| Lin = Linear ISTD |
| Qua = Quadratic ISTD |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 09-APR-2013 10:31
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 10:31 Cal File: 1AD09003.D
 Als bottle: 3 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 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 | 2.591 | 2.591 | (1.000) | 1629167 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.622 | 3.622 | (1.000) | 861420 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.573 | 4.573 | (1.000) | 1542880 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.877 | 4.877 | (1.067) | 532318 | 20.0000 | 20.6392 |
| * 18 Chrysene-d12 | 240 | 6.597 | 6.597 | (1.000) | 1527423 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.676 | 7.676 | (1.000) | 1682694 | 40.0000 | |
| 2 Naphthalene | 128 | 2.602 | 2.602 | (1.004) | 872905 | 20.0000 | 19.9575 |
| 3 2-Methylnaphthalene | 141 | 3.008 | 3.008 | (1.161) | 516058 | 20.0000 | 20.4343 |
| 4 1-Methylnaphthalene | 142 | 3.061 | 3.061 | (1.181) | 571076 | 20.0000 | 20.8811 |
| 5 Acenaphthylene | 152 | 3.531 | 3.531 | (0.975) | 986696 | 20.0000 | 20.7921 |
| 7 Acenaphthene | 154 | 3.638 | 3.638 | (1.004) | 530481 | 20.0000 | 20.9287 |
| 9 Fluorene | 166 | 3.953 | 3.953 | (1.091) | 694627 | 20.0000 | 21.2067 |
| 11 Phenanthrene | 178 | 4.589 | 4.589 | (1.004) | 923673 | 20.0000 | 20.2700 |
| 12 Anthracene | 178 | 4.626 | 4.626 | (1.012) | 965900 | 20.0000 | 20.4153 |
| 13 Carbazole | 167 | 4.754 | 4.754 | (1.040) | 902848 | 20.0000 | 20.2782 |
| 15 Fluoranthene | 202 | 5.454 | 5.454 | (1.193) | 1101924 | 20.0000 | 20.9677 |
| 16 Pyrene | 202 | 5.619 | 5.619 | (0.852) | 1181137 | 20.0000 | 20.6200 |
| 17 Benzo(a)anthracene | 228 | 6.581 | 6.581 | (0.998) | 1022353 | 20.0000 | 20.2292 |
| 19 Chrysene | 228 | 6.613 | 6.613 | (1.002) | 946973 | 20.0000 | 19.8173 |
| 20 Benzo(b)fluoranthene | 252 | 7.403 | 7.403 | (0.965) | 1151054 | 20.0000 | 23.6577 |
| 21 Benzo(k)fluoranthene | 252 | 7.425 | 7.425 | (0.967) | 1065277 | 20.0000 | 20.0712 |
| 22 Benzo(a)pyrene | 252 | 7.628 | 7.628 | (0.994) | 1074806 | 20.0000 | 22.9367 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.450 | 8.450 | (1.101) | 970417 | 20.0000 | 22.2782 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.477 | 8.477 | (1.104) | 928898 | 20.0000 | 23.9724 |
| 26 Benzo(g,h,i)perylene | 276 | 8.669 | 8.669 | (1.129) | 976266 | 20.0000 | 23.2995 |

Data File: 1AD09003.D

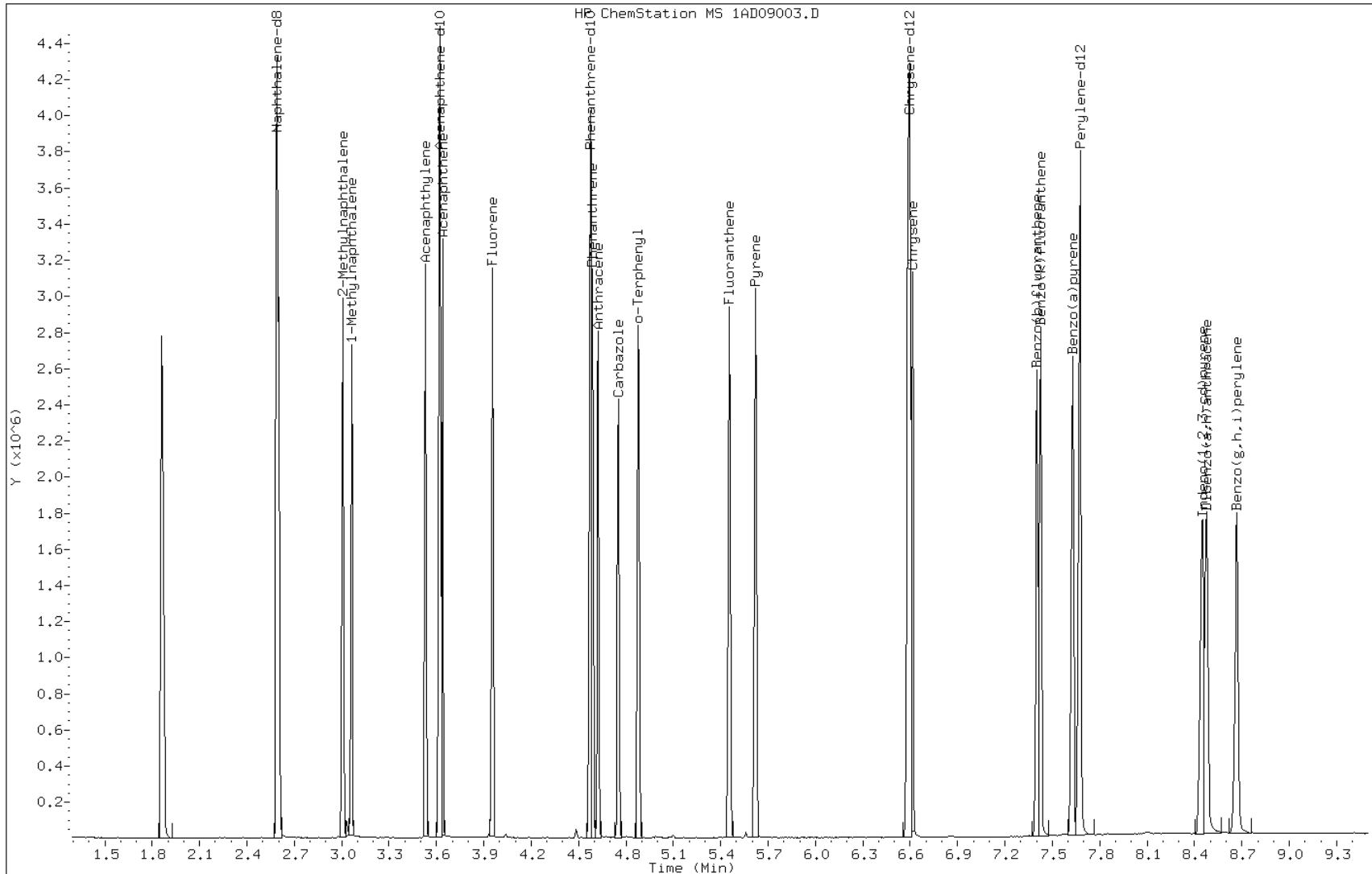
Date: 09-APR-2013 10:31

Client ID:

Instrument: BSMA5973.i

Sample Info: CCVIS-1531401

Operator: SCC



TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09004.D
 Lab Smp Id: IC-1531396
 Inj Date : 09-APR-2013 10:48
 Operator : SCC
 Smp Info : IC-1531396
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 10:31 Cal File: 1AD09003.D
 Als bottle: 4 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE
 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 | 2.591 | 2.591 | (1.000) | 1596037 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.621 | 3.622 | (1.000) | 884461 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.572 | 4.573 | (1.000) | 1565756 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.877 | 4.877 | (1.067) | 6095 | 0.20000 | 0.2328 |
| * 18 Chrysene-d12 | 240 | 6.591 | 6.597 | (1.000) | 1741599 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.675 | 7.676 | (1.000) | 1841229 | 40.0000 | |
| 2 Naphthalene | 128 | 2.601 | 2.602 | (1.004) | 10553 | 0.20000 | 0.3869 |
| 3 2-Methylnaphthalene | 141 | 3.007 | 3.008 | (1.161) | 5849 | 0.20000 | 0.4505 |
| 4 1-Methylnaphthalene | 142 | 3.061 | 3.061 | (1.181) | 6692 | 0.20000 | 0.3937 |
| 5 Acenaphthylene | 152 | 3.531 | 3.531 | (0.975) | 10106 | 0.20000 | 0.6062 |
| 7 Acenaphthene | 154 | 3.638 | 3.638 | (1.004) | 7041 | 0.20000 | 0.4297 |
| 9 Fluorene | 166 | 3.953 | 3.953 | (1.091) | 8054 | 0.20000 | 0.5455 |
| 11 Phenanthrene | 178 | 4.588 | 4.589 | (1.004) | 11894 | 0.20000 | 0.4266 |
| 12 Anthracene | 178 | 4.620 | 4.626 | (1.011) | 10626 | 0.20000 | 0.3310 |
| 13 Carbazole | 167 | 4.748 | 4.754 | (1.039) | 9886 | 0.20000 | 0.2187 |
| 15 Fluoranthene | 202 | 5.448 | 5.454 | (1.192) | 11509 | 0.20000 | 0.2157 |
| 16 Pyrene | 202 | 5.619 | 5.619 | (0.853) | 12437 | 0.20000 | 0.1904 |
| 17 Benzo(a)anthracene | 228 | 6.586 | 6.581 | (0.999) | 14023 | 0.20000 | 0.2433 |
| 19 Chrysene | 228 | 6.607 | 6.613 | (1.002) | 14228 | 0.20000 | 0.2611 |
| 20 Benzo(b)fluoranthene | 252 | 7.398 | 7.403 | (0.964) | 8447 | 0.20000 | 0.1586 |
| 21 Benzo(k)fluoranthene | 252 | 7.414 | 7.425 | (0.966) | 12215 | 0.20000 | 0.2103 |
| 22 Benzo(a)pyrene | 252 | 7.622 | 7.628 | (0.993) | 7488 | 0.20000 | 0.1460 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.434 | 8.450 | (1.099) | 6934 | 0.20000 | 0.2440 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.466 | 8.477 | (1.103) | 6608 | 0.20000 | 0.1558 |
| 26 Benzo(g,h,i)perylene | 276 | 8.653 | 8.669 | (1.127) | 7835 | 0.20000 | 0.1708 |

Data File: 1AD09004.D

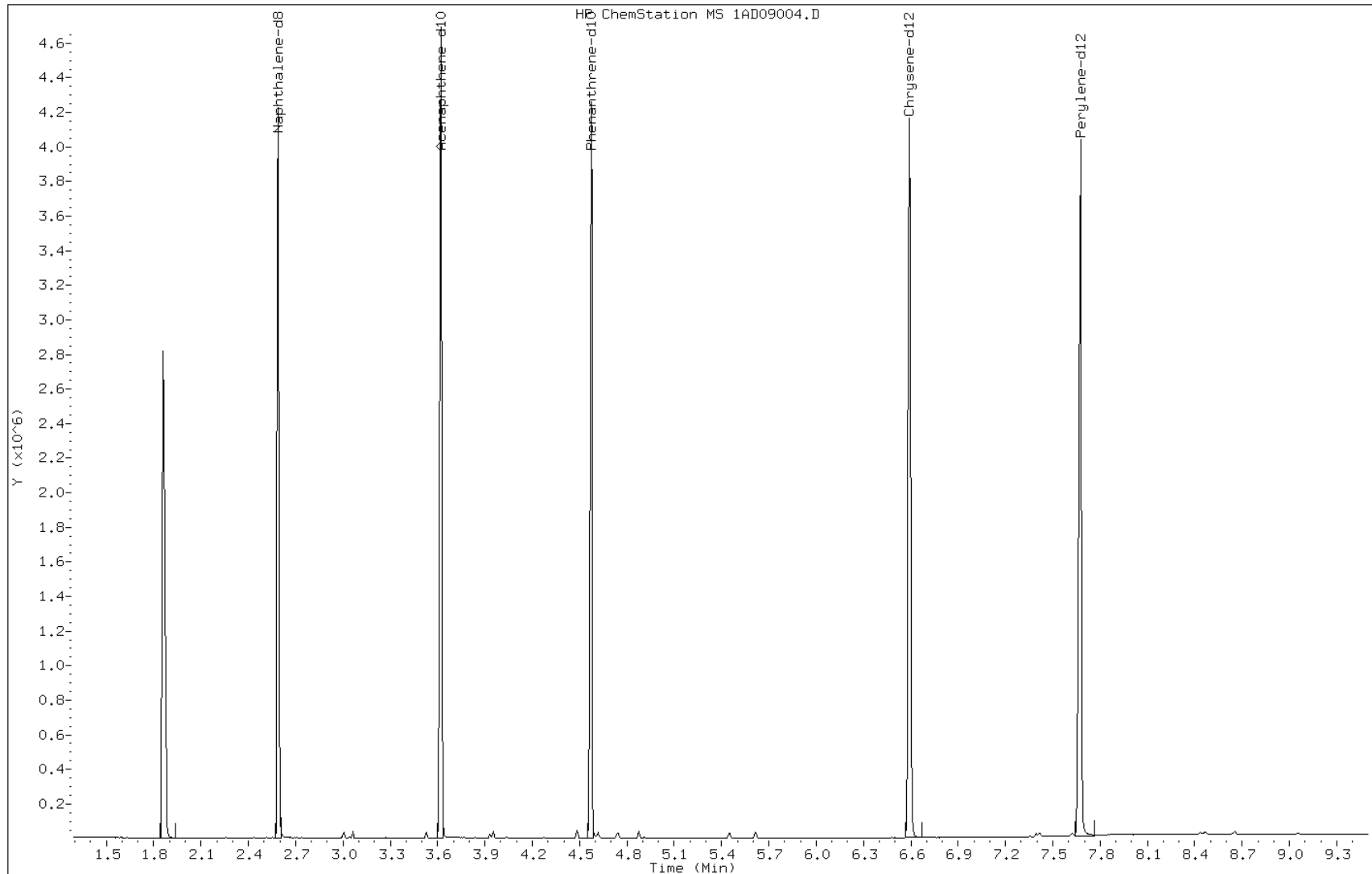
Date: 09-APR-2013 10:48

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531396

Operator: SCC



TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09005.D
 Lab Smp Id: IC-1531398
 Inj Date : 09-APR-2013 11:04
 Operator : SCC
 Smp Info : IC-1531398
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 10:48 Cal File: 1AD09004.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 | 2.591 | 2.591 | (1.000) | 1589999 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.622 | 3.622 | (1.000) | 860976 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.573 | 4.573 | (1.000) | 1519965 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.877 | 4.877 | (1.067) | 32431 | 1.00000 | 1.2362 |
| * 18 Chrysene-d12 | 240 | 6.592 | 6.597 | (1.000) | 1660335 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.676 | 7.676 | (1.000) | 1733524 | 40.0000 | |
| 2 Naphthalene | 128 | 2.602 | 2.602 | (1.004) | 55648 | 1.00000 | 1.1485 |
| 3 2-Methylnaphthalene | 141 | 3.008 | 3.008 | (1.161) | 32210 | 1.00000 | 1.1998 |
| 4 1-Methylnaphthalene | 142 | 3.061 | 3.061 | (1.181) | 36981 | 1.00000 | 1.1515 |
| 5 Acenaphthylene | 152 | 3.531 | 3.531 | (0.975) | 56503 | 1.00000 | 1.2231 |
| 7 Acenaphthene | 154 | 3.638 | 3.638 | (1.004) | 35202 | 1.00000 | 1.1716 |
| 9 Fluorene | 166 | 3.953 | 3.953 | (1.091) | 43032 | 1.00000 | 1.2494 |
| 11 Phenanthrene | 178 | 4.589 | 4.589 | (1.004) | 59534 | 1.00000 | 1.1943 |
| 12 Anthracene | 178 | 4.621 | 4.626 | (1.011) | 58627 | 1.00000 | 1.0870 |
| 13 Carbazole | 167 | 4.749 | 4.754 | (1.039) | 53147 | 1.00000 | 1.1966 |
| 15 Fluoranthene | 202 | 5.449 | 5.454 | (1.192) | 61320 | 1.00000 | 1.1576 |
| 16 Pyrene | 202 | 5.614 | 5.619 | (0.852) | 67963 | 1.00000 | 1.0866 |
| 17 Benzo(a)anthracene | 228 | 6.581 | 6.581 | (0.998) | 54365 | 1.00000 | 0.9937 |
| 19 Chrysene | 228 | 6.608 | 6.613 | (1.002) | 59848 | 1.00000 | 1.1159 |
| 20 Benzo(b)fluoranthene | 252 | 7.393 | 7.403 | (0.963) | 49060 | 1.00000 | 0.9825 |
| 21 Benzo(k)fluoranthene | 252 | 7.414 | 7.425 | (0.966) | 64713 | 1.00000 | 1.1596 |
| 22 Benzo(a)pyrene | 252 | 7.622 | 7.628 | (0.993) | 47028 | 1.00000 | 0.9844 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.434 | 8.450 | (1.099) | 37472 | 1.00000 | 0.9251(H) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.466 | 8.477 | (1.103) | 41017 | 1.00000 | 1.0153(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.653 | 8.669 | (1.127) | 46132 | 1.00000 | 1.0614(M) |

QC Flag Legend

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

Data File: 1AD09005.D

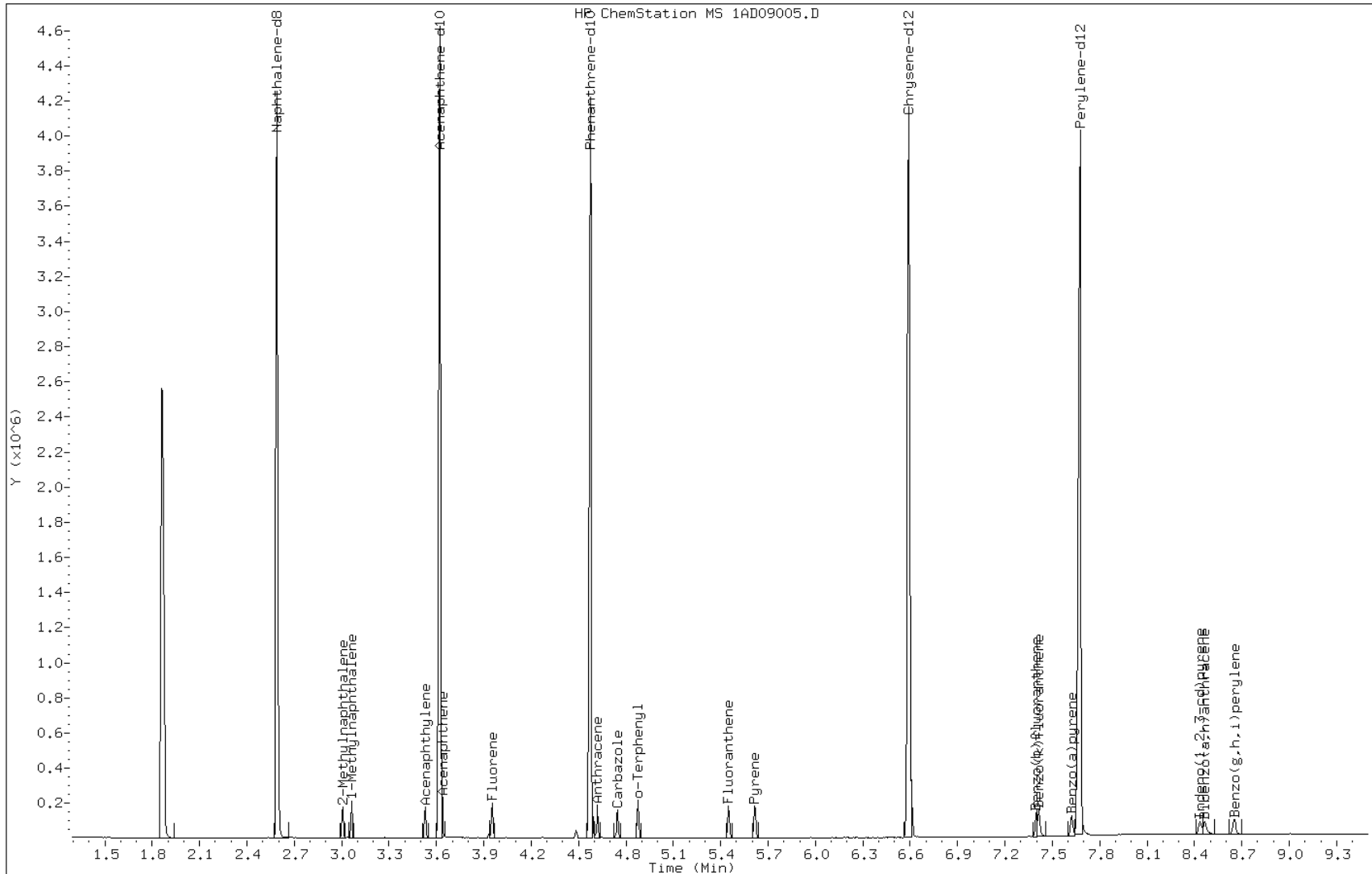
Date: 09-APR-2013 11:04

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531398

Operator: SCC

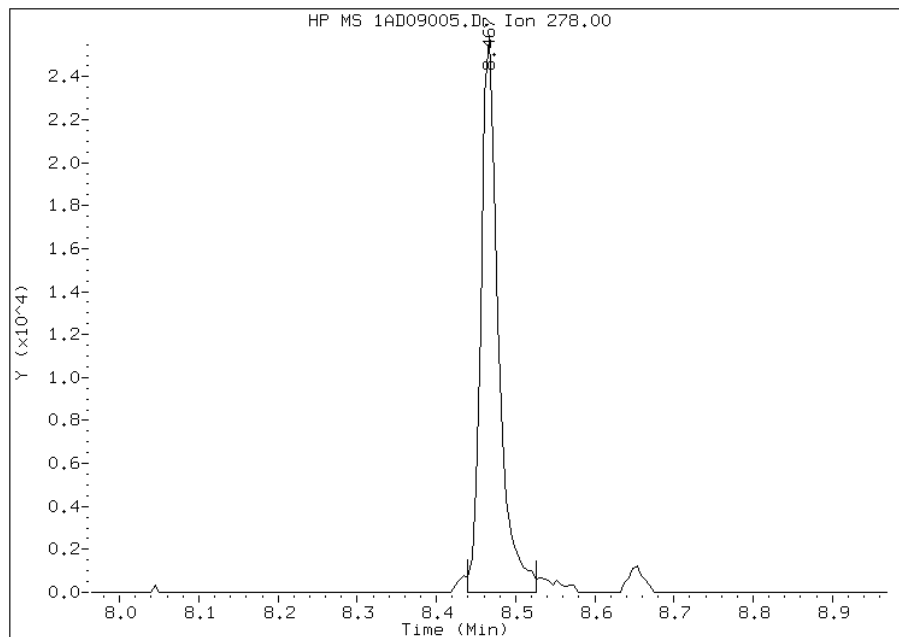


Manual Integration Report

Data File: 1AD09005.D
Inj. Date and Time: 09-APR-2013 11:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

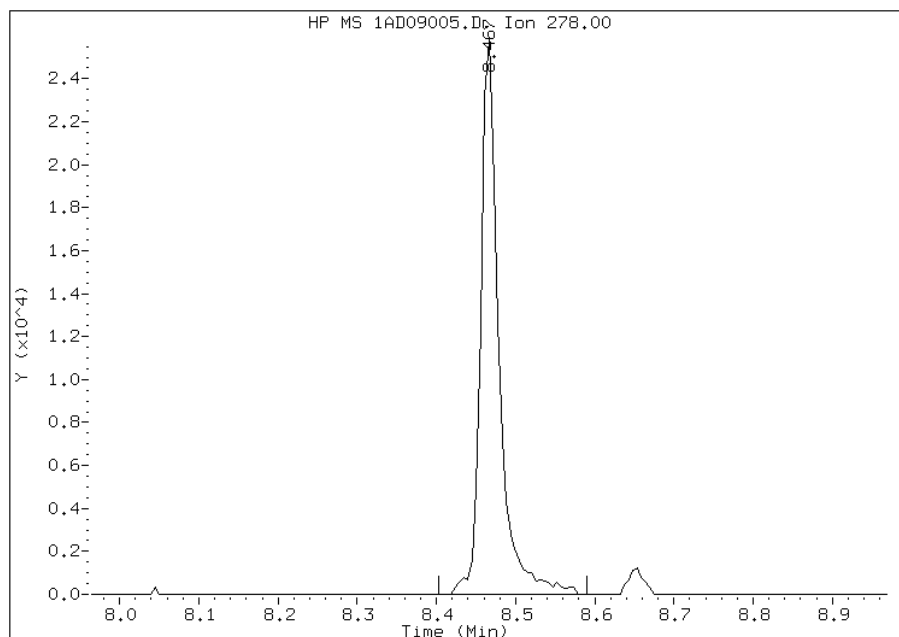
Processing Integration Results

RT: 8.47
Response: 39194
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.47
Response: 41017
Amount: 1
Conc: 1



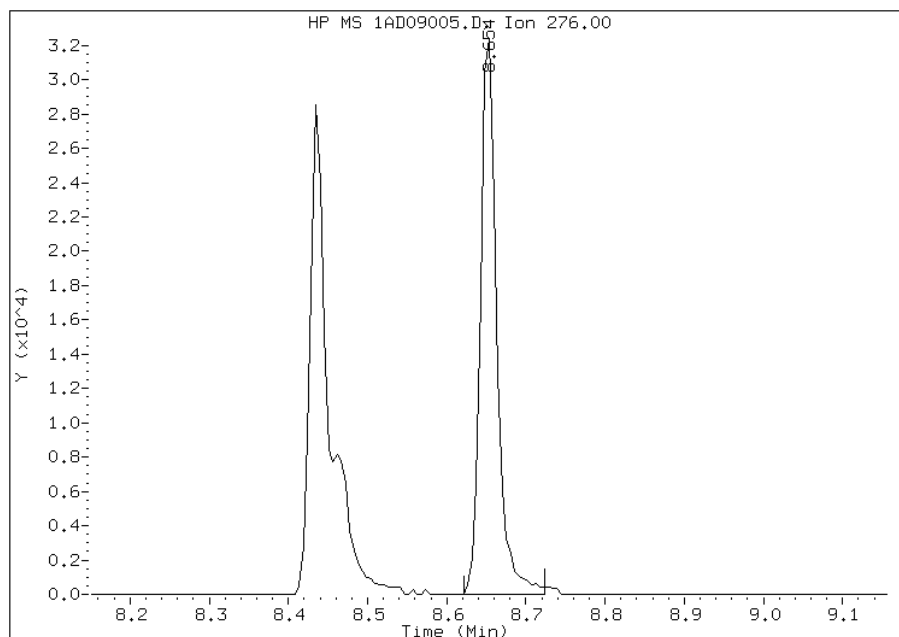
Manually Integrated By: cantins
Modification Date: 09-Apr-2013 12:30
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AD09005.D
Inj. Date and Time: 09-APR-2013 11:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 04/09/2013

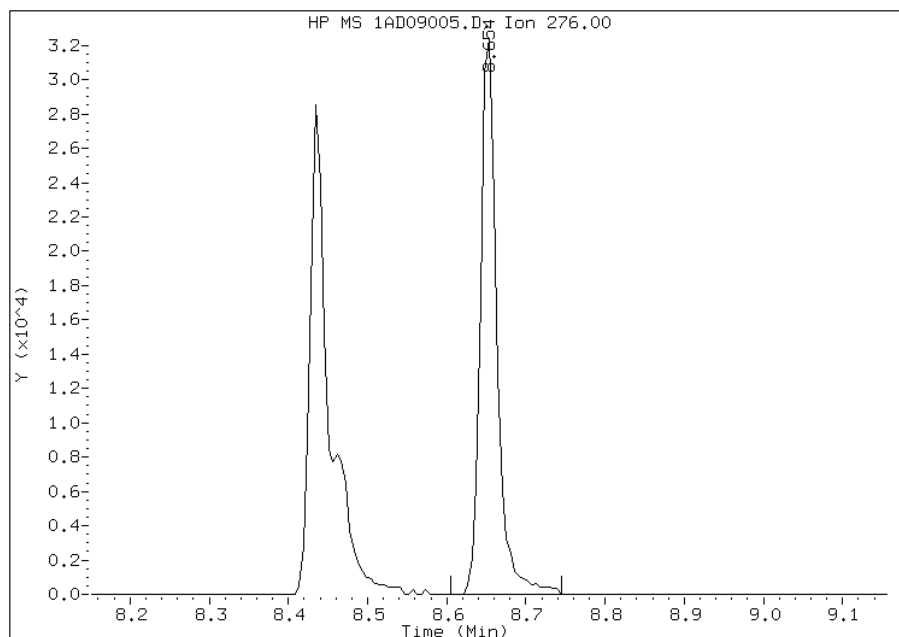
Processing Integration Results

RT: 8.65
Response: 45759
Amount: 1
Conc: 1



Manual Integration Results

RT: 8.65
Response: 46132
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 12:31
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09006.D
 Lab Smp Id: IC-1531399
 Inj Date : 09-APR-2013 11:19
 Operator : SCC
 Smp Info : IC-1531399
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 11:04 Cal File: 1AD09005.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) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.587 | 2.591 | (1.000) | 1619963 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.618 | 3.622 | (1.000) | 874198 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.574 | 4.573 | (1.000) | 1501226 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.879 | 4.877 | (1.067) | 163893 | 5.00000 | 6.1874 |
| * 18 Chrysene-d12 | 240 | 6.593 | 6.597 | (1.000) | 1641042 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.672 | 7.676 | (1.000) | 1777421 | 40.0000 | |
| 2 Naphthalene | 128 | 2.598 | 2.602 | (1.004) | 276099 | 5.00000 | 5.2441 |
| 3 2-Methylnaphthalene | 141 | 3.004 | 3.008 | (1.161) | 160075 | 5.00000 | 5.2349 |
| 4 1-Methylnaphthalene | 142 | 3.063 | 3.061 | (1.184) | 181314 | 5.00000 | 5.2534 |
| 5 Acenaphthylene | 152 | 3.527 | 3.531 | (0.975) | 295444 | 5.00000 | 4.8504 |
| 7 Acenaphthene | 154 | 3.634 | 3.638 | (1.004) | 172486 | 5.00000 | 5.2897 |
| 9 Fluorene | 166 | 3.949 | 3.953 | (1.092) | 213369 | 5.00000 | 5.1212 |
| 11 Phenanthrene | 178 | 4.585 | 4.589 | (1.002) | 287355 | 5.00000 | 5.3602 |
| 12 Anthracene | 178 | 4.622 | 4.626 | (1.011) | 299351 | 5.00000 | 5.3674 |
| 13 Carbazole | 167 | 4.750 | 4.754 | (1.039) | 267240 | 5.00000 | 6.0094 |
| 15 Fluoranthene | 202 | 5.450 | 5.454 | (1.191) | 330009 | 5.00000 | 6.2143 |
| 16 Pyrene | 202 | 5.616 | 5.619 | (0.852) | 358125 | 5.00000 | 5.7292 |
| 17 Benzo(a)anthracene | 228 | 6.582 | 6.581 | (0.998) | 265739 | 5.00000 | 4.9027 |
| 19 Chrysene | 228 | 6.609 | 6.613 | (1.002) | 311327 | 5.00000 | 5.7795 |
| 20 Benzo(b)fluoranthene | 252 | 7.394 | 7.403 | (0.964) | 294818 | 5.00000 | 5.6461 |
| 21 Benzo(k)fluoranthene | 252 | 7.416 | 7.425 | (0.967) | 343870 | 5.00000 | 5.8943 |
| 22 Benzo(a)pyrene | 252 | 7.619 | 7.628 | (0.993) | 290438 | 5.00000 | 5.8709 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.436 | 8.450 | (1.100) | 232949 | 5.00000 | 5.1117 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.462 | 8.477 | (1.103) | 254287 | 5.00000 | 6.0020(M) |
| 26 Benzo(g,h,i)perylene | 276 | 8.649 | 8.669 | (1.127) | 269029 | 5.00000 | 5.9013 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1AD09006.D

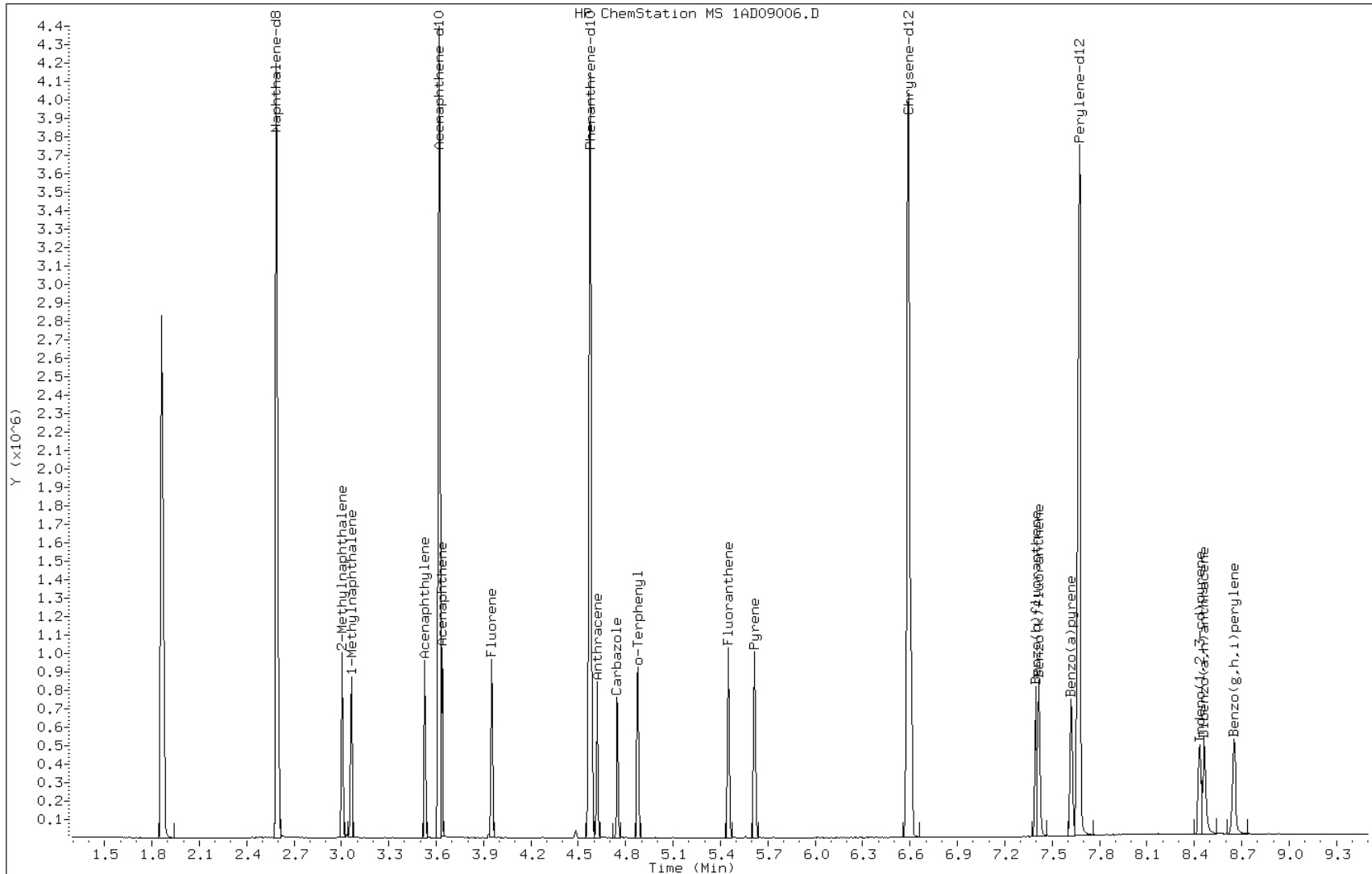
Date: 09-APR-2013 11:19

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531399

Operator: SCC

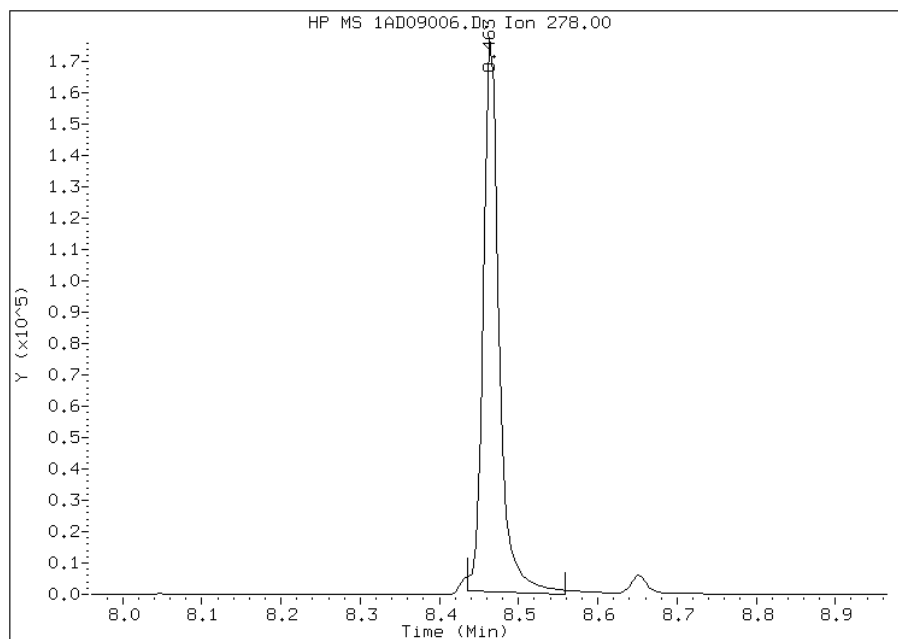


Manual Integration Report

Data File: 1AD09006.D
Inj. Date and Time: 09-APR-2013 11:19
Instrument ID: BSMA5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/09/2013

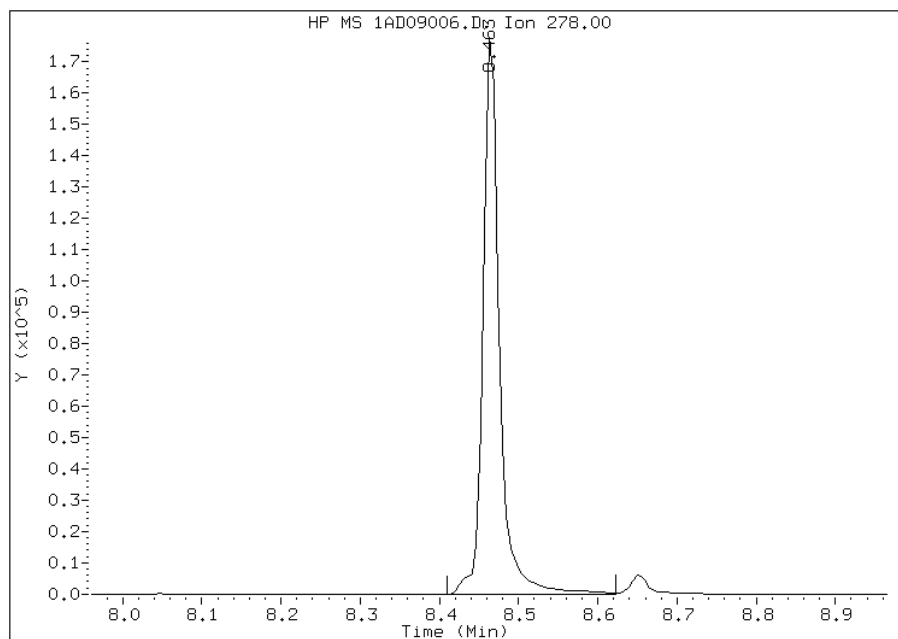
Processing Integration Results

RT: 8.46
Response: 243239
Amount: 6
Conc: 6



Manual Integration Results

RT: 8.46
Response: 254287
Amount: 6
Conc: 6



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 12:31
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09007.D
 Lab Smp Id: IC-1531400
 Inj Date : 09-APR-2013 11:33
 Operator : SCC
 Smp Info : IC-1531400
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 11:19 Cal File: 1AD09006.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 | |
|---------------------------|-----------|-------|--------|---------|----------|--------------------|-------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.591 | 2.591 | (1.000) | 1598776 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.622 | 3.622 | (1.000) | 857411 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.573 | 4.573 | (1.000) | 1553879 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.877 | 4.877 | (1.067) | 296051 | 10.0000 | 10.6256 |
| * 18 Chrysene-d12 | 240 | 6.591 | 6.597 | (1.000) | 1592296 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.670 | 7.676 | (1.000) | 1700858 | 40.0000 | |
| 2 Naphthalene | 128 | 2.602 | 2.602 | (1.004) | 485647 | 10.0000 | 9.9295 |
| 3 2-Methylnaphthalene | 141 | 3.008 | 3.008 | (1.161) | 290460 | 10.0000 | 10.2364 |
| 4 1-Methylnaphthalene | 142 | 3.061 | 3.061 | (1.181) | 325358 | 10.0000 | 10.3683 |
| 5 Acenaphthylene | 152 | 3.531 | 3.531 | (0.975) | 539778 | 10.0000 | 9.6764 |
| 7 Acenaphthene | 154 | 3.638 | 3.638 | (1.004) | 301306 | 10.0000 | 10.2149 |
| 9 Fluorene | 166 | 3.953 | 3.953 | (1.091) | 383564 | 10.0000 | 10.0269 |
| 11 Phenanthrene | 178 | 4.589 | 4.589 | (1.004) | 508104 | 10.0000 | 9.6197 |
| 12 Anthracene | 178 | 4.621 | 4.626 | (1.011) | 537109 | 10.0000 | 9.8618 |
| 13 Carbazole | 167 | 4.749 | 4.754 | (1.039) | 494781 | 10.0000 | 10.6152 |
| 15 Fluoranthene | 202 | 5.454 | 5.454 | (1.193) | 600925 | 10.0000 | 10.7198 |
| 16 Pyrene | 202 | 5.619 | 5.619 | (0.853) | 646018 | 10.0000 | 10.5680 |
| 17 Benzo(a)anthracene | 228 | 6.581 | 6.581 | (0.998) | 507927 | 10.0000 | 9.6156 |
| 19 Chrysene | 228 | 6.607 | 6.613 | (1.002) | 536146 | 10.0000 | 10.0748 |
| 20 Benzo(b)fluoranthene | 252 | 7.398 | 7.403 | (0.964) | 577802 | 10.0000 | 11.5370 |
| 21 Benzo(k)fluoranthene | 252 | 7.419 | 7.425 | (0.967) | 599091 | 10.0000 | 10.5145 |
| 22 Benzo(a)pyrene | 252 | 7.622 | 7.628 | (0.994) | 558538 | 10.0000 | 11.5949 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.434 | 8.450 | (1.100) | 463994 | 10.0000 | 10.4559 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.466 | 8.477 | (1.104) | 467797 | 10.0000 | 11.2448 |
| 26 Benzo(g,h,i)perylene | 276 | 8.653 | 8.669 | (1.128) | 490640 | 10.0000 | 10.9587 |

Data File: 1AD09007.D

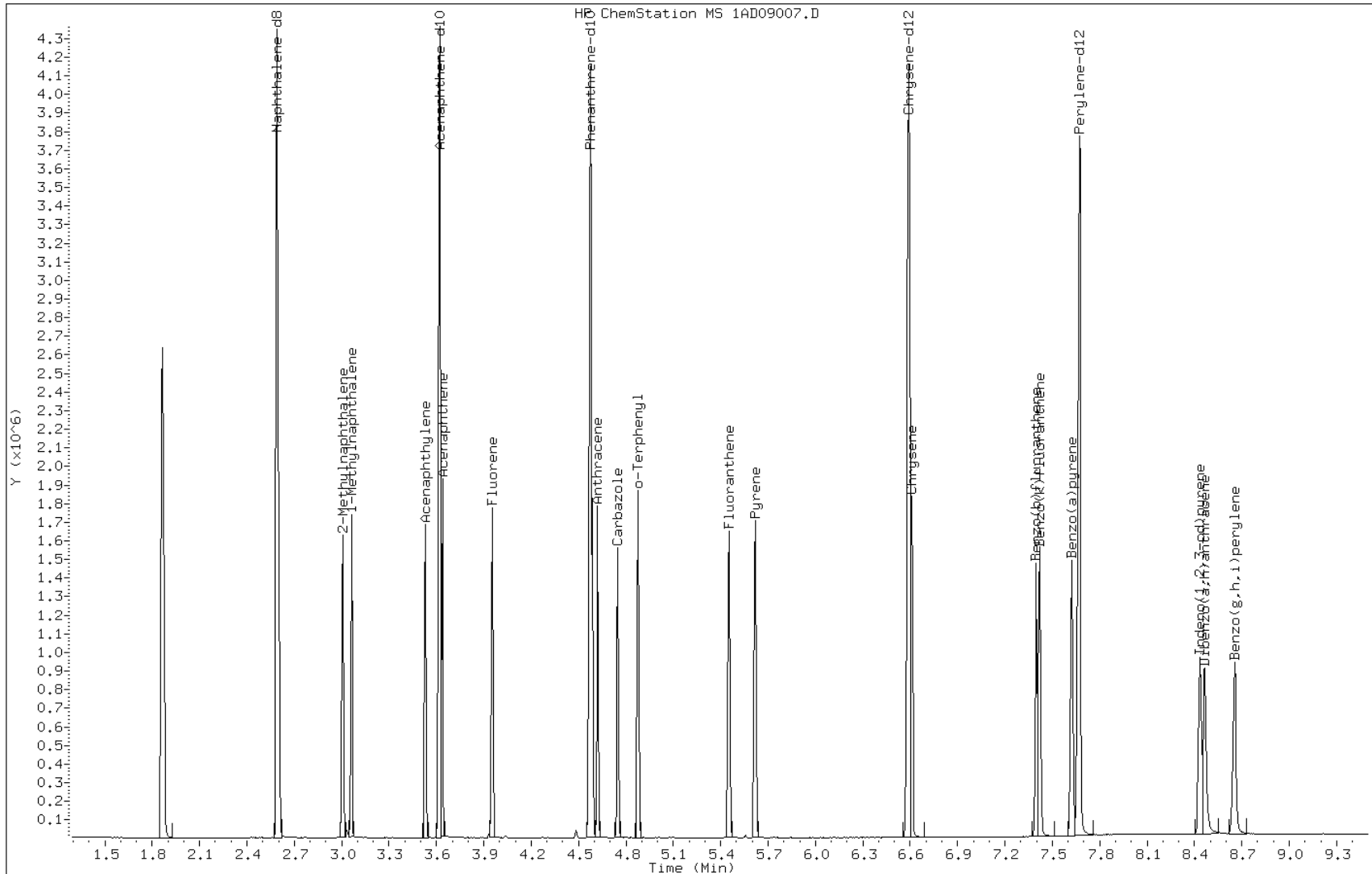
Date: 09-APR-2013 11:33

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531400

Operator: SCC



TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09008.D
 Lab Smp Id: IC-1531402
 Inj Date : 09-APR-2013 11:49
 Operator : SCC
 Smp Info : IC-1531402
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 11:33 Cal File: 1AD09007.D
 Als bottle: 8 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: TAM1000

| Compounds | QUANT SIG | | AMOUNTS | | | | ON-COL |
|---------------------------|-----------|-------|---------|---------|----------|-----------------|---------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | |
| * 1 Naphthalene-d8 | 136 | 2.589 | 2.591 | (1.000) | 1540056 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.620 | 3.622 | (1.000) | 832688 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.576 | 4.573 | (1.000) | 1487352 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.880 | 4.877 | (1.067) | 684444 | 30.0000 | 25.3467 |
| * 18 Chrysene-d12 | 240 | 6.595 | 6.597 | (1.000) | 1371124 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.674 | 7.676 | (1.000) | 1530063 | 40.0000 | |
| 2 Naphthalene | 128 | 2.600 | 2.602 | (1.004) | 1127860 | 30.0000 | 29.9432 |
| 3 2-Methylnaphthalene | 141 | 3.006 | 3.008 | (1.161) | 654719 | 30.0000 | 29.9345 |
| 4 1-Methylnaphthalene | 142 | 3.064 | 3.061 | (1.184) | 710356 | 30.0000 | 30.1606 |
| 5 Acenaphthylene | 152 | 3.529 | 3.531 | (0.975) | 1267654 | 30.0000 | 30.7339 |
| 7 Acenaphthene | 154 | 3.641 | 3.638 | (1.006) | 673705 | 30.0000 | 30.1389 |
| 9 Fluorene | 166 | 3.956 | 3.953 | (1.093) | 866311 | 30.0000 | 29.7705 |
| 11 Phenanthrene | 178 | 4.592 | 4.589 | (1.003) | 1181849 | 30.0000 | 29.2539 |
| 12 Anthracene | 178 | 4.624 | 4.626 | (1.011) | 1234547 | 30.0000 | 29.3561 |
| 13 Carbazole | 167 | 4.752 | 4.754 | (1.039) | 1150659 | 30.0000 | 25.5465 |
| 15 Fluoranthene | 202 | 5.457 | 5.454 | (1.193) | 1444198 | 30.0000 | 26.6621 |
| 16 Pyrene | 202 | 5.623 | 5.619 | (0.853) | 1510231 | 30.0000 | 28.5401 |
| 17 Benzo(a)anthracene | 228 | 6.584 | 6.581 | (0.998) | 1305727 | 30.0000 | 28.4543 |
| 19 Chrysene | 228 | 6.616 | 6.613 | (1.003) | 1244973 | 30.0000 | 26.9339 |
| 20 Benzo(b)fluoranthene | 252 | 7.401 | 7.403 | (0.965) | 1370829 | 30.0000 | 29.7706 |
| 21 Benzo(k)fluoranthene | 252 | 7.428 | 7.425 | (0.968) | 1490192 | 30.0000 | 28.9795 |
| 22 Benzo(a)pyrene | 252 | 7.631 | 7.628 | (0.994) | 1376984 | 30.0000 | 31.2508 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.448 | 8.450 | (1.101) | 1254537 | 30.0000 | 31.4946 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.475 | 8.477 | (1.104) | 1201661 | 30.0000 | 31.5452 |
| 26 Benzo(g,h,i)perylene | 276 | 8.667 | 8.669 | (1.129) | 1256283 | 30.0000 | 30.6309 |

Data File: 1AD09008.D

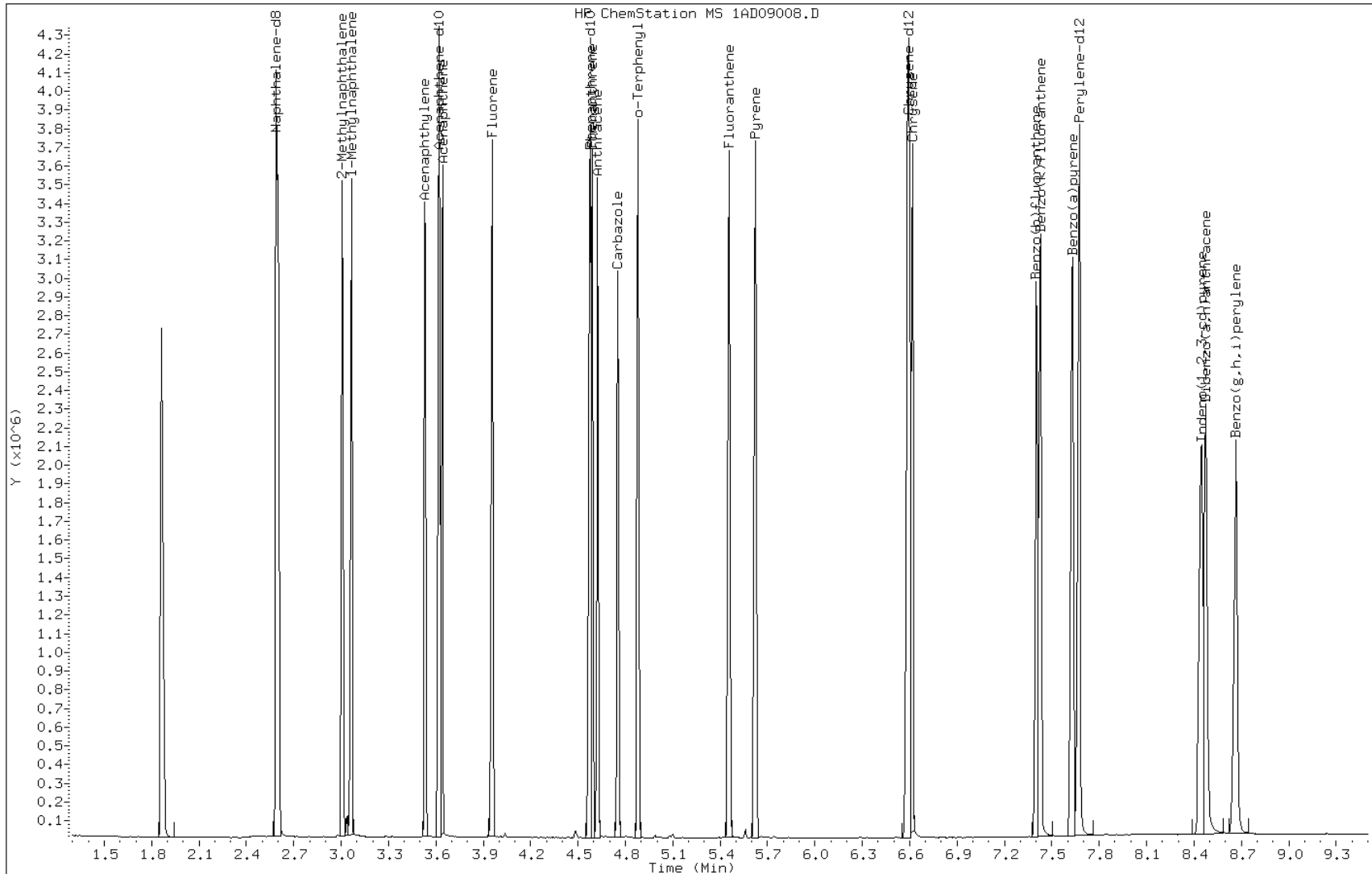
Date: 09-APR-2013 11:49

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531402

Operator: SCC



TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09009.D
 Lab Smp Id: IC-1531403
 Inj Date : 09-APR-2013 12:03
 Operator : SCC
 Smp Info : IC-1531403
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:17 BSMA5973.i Quant Type: ISTD
 Cal Date : 09-APR-2013 11:49 Cal File: 1AD09008.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) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.591 | 2.591 | (1.000) | 1616496 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.622 | 3.622 | (1.000) | 873865 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.572 | 4.573 | (1.000) | 1575809 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.882 | 4.877 | (1.068) | 1035762 | 50.0000 | 36.1399 |
| * 18 Chrysene-d12 | 240 | 6.602 | 6.597 | (1.000) | 1364496 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.676 | 7.676 | (1.000) | 1574534 | 40.0000 | |
| 2 Naphthalene | 128 | 2.602 | 2.602 | (1.004) | 1619928 | 50.0000 | 46.4915 |
| 3 2-Methylnaphthalene | 141 | 3.007 | 3.008 | (1.161) | 964208 | 50.0000 | 48.4523 |
| 4 1-Methylnaphthalene | 142 | 3.066 | 3.061 | (1.183) | 1029789 | 50.0000 | 48.2198 |
| 5 Acenaphthylene | 152 | 3.531 | 3.531 | (0.975) | 1835956 | 50.0000 | 49.5157 |
| 7 Acenaphthene | 154 | 3.643 | 3.638 | (1.006) | 944792 | 50.0000 | 45.9717 |
| 9 Fluorene | 166 | 3.958 | 3.953 | (1.093) | 1275723 | 50.0000 | 48.8799 |
| 11 Phenanthrene | 178 | 4.594 | 4.589 | (1.005) | 1731795 | 50.0000 | 46.2239 |
| 12 Anthracene | 178 | 4.631 | 4.626 | (1.013) | 1808013 | 50.0000 | 46.1457 |
| 13 Carbazole | 167 | 4.759 | 4.754 | (1.041) | 1782940 | 50.0000 | 37.4205 |
| 15 Fluoranthene | 202 | 5.459 | 5.454 | (1.194) | 2238386 | 50.0000 | 38.9757 |
| 16 Pyrene | 202 | 5.630 | 5.619 | (0.853) | 2285792 | 50.0000 | 43.4140 |
| 17 Benzo(a)anthracene | 228 | 6.586 | 6.581 | (0.998) | 2115003 | 50.0000 | 46.3618 |
| 19 Chrysene | 228 | 6.623 | 6.613 | (1.003) | 1935588 | 50.0000 | 41.8553 |
| 20 Benzo(b)fluoranthene | 252 | 7.409 | 7.403 | (0.965) | 2346142 | 50.0000 | 49.7155 |
| 21 Benzo(k)fluoranthene | 252 | 7.435 | 7.425 | (0.969) | 2141556 | 50.0000 | 40.0784(M) |
| 22 Benzo(a)pyrene | 252 | 7.638 | 7.628 | (0.995) | 2170224 | 50.0000 | 47.6951 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.461 | 8.450 | (1.102) | 2280613 | 50.0000 | 54.9725(A) |
| 25 Dibenzo(a,h)anthracene | 278 | 8.487 | 8.477 | (1.106) | 2004976 | 50.0000 | 50.7196(A) |
| 26 Benzo(g,h,i)perylene | 276 | 8.685 | 8.669 | (1.132) | 2146933 | 50.0000 | 50.5756(A) |

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Data File: 1AD09009.D

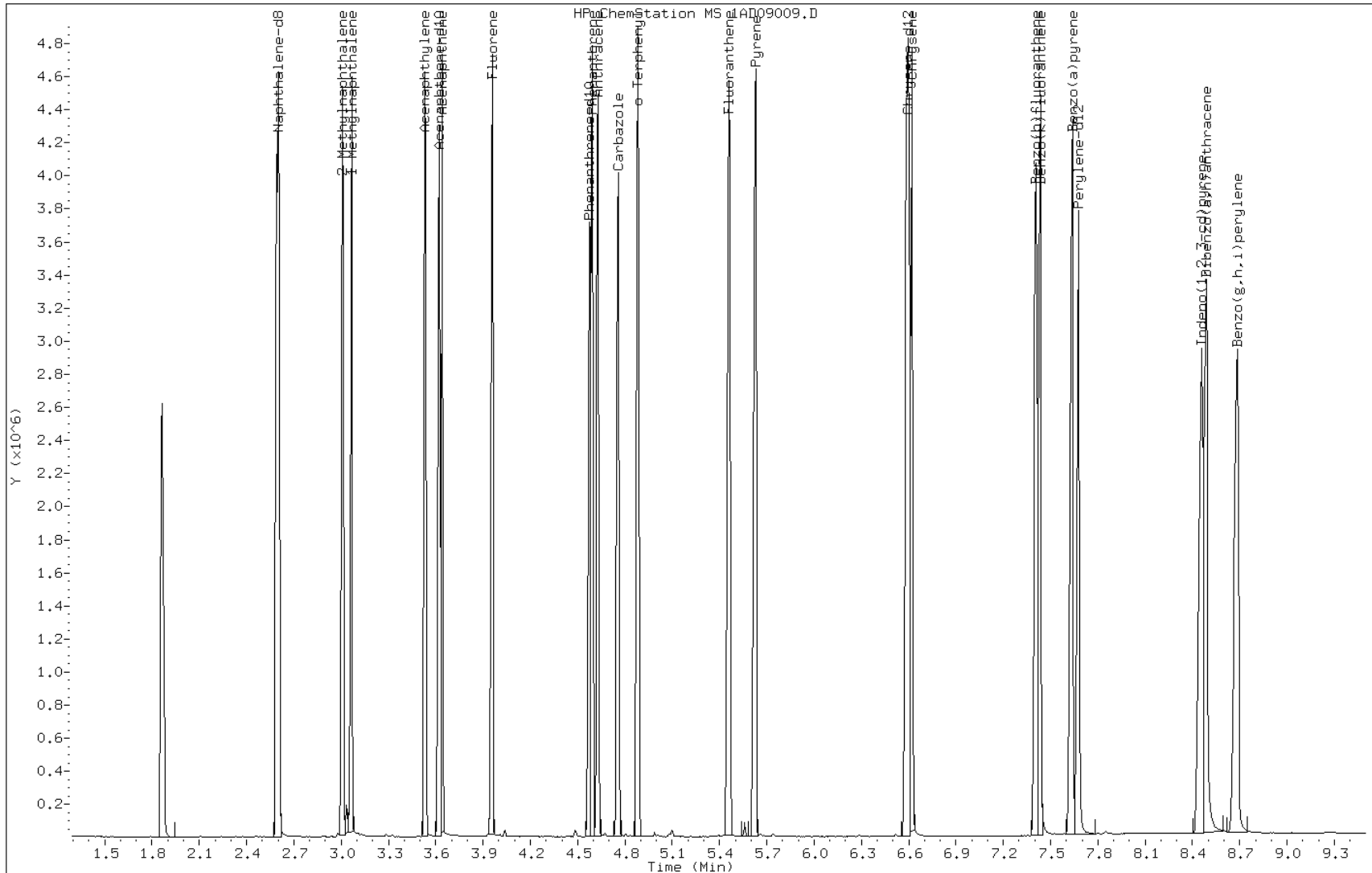
Date: 09-APR-2013 12:03

Client ID:

Instrument: BSMA5973.i

Sample Info: IC-1531403

Operator: SCC

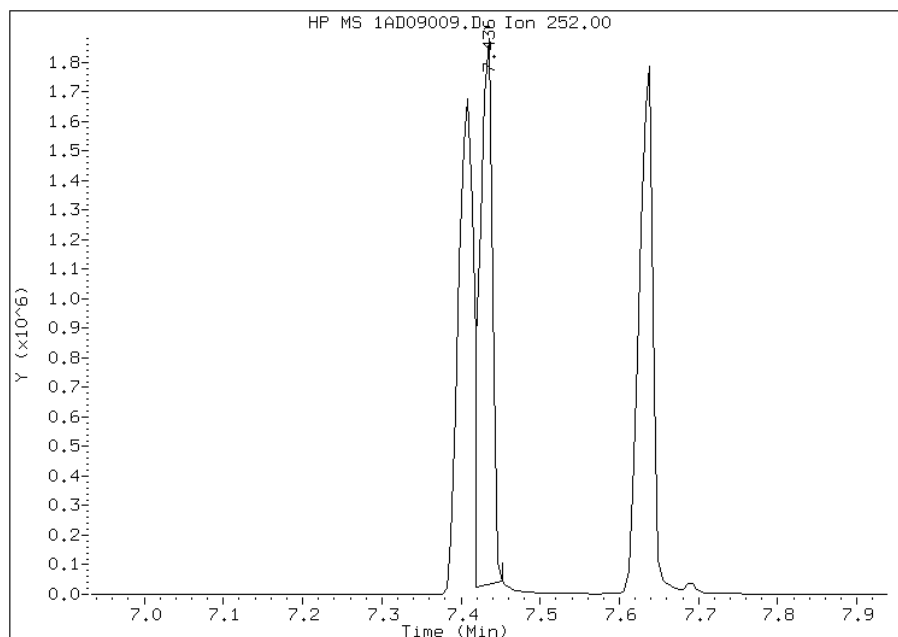


Manual Integration Report

Data File: 1AD09009.D
Inj. Date and Time: 09-APR-2013 12:03
Instrument ID: BSMA5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 04/09/2013

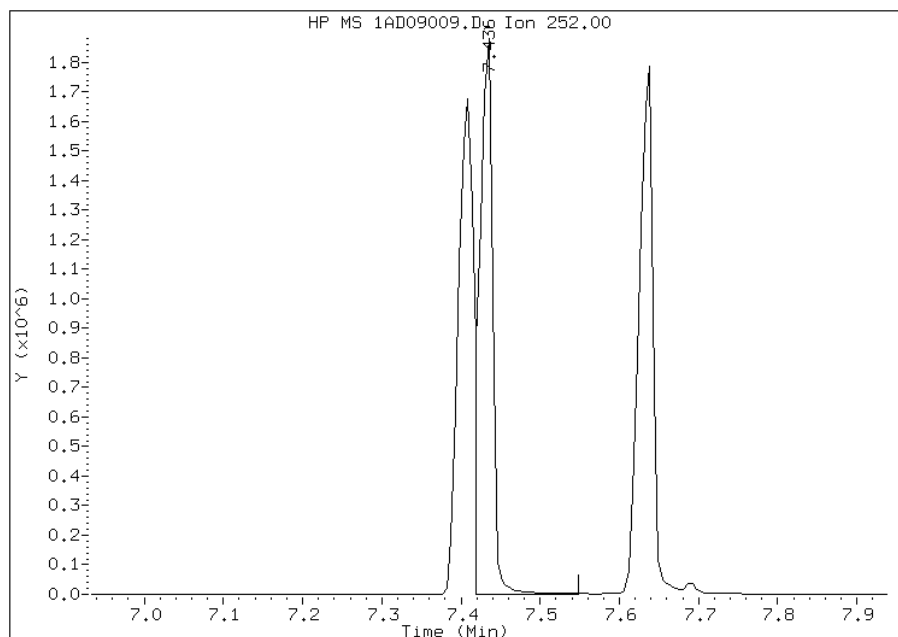
Processing Integration Results

RT: 7.44
Response: 2027064
Amount: 38
Conc: 38



Manual Integration Results

RT: 7.44
Response: 2141556
Amount: 40
Conc: 40



Manually Integrated By: cantins
Modification Date: 09-Apr-2013 12:32
Manual Integration Reason: Baseline Event

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-88811-4 Analy Batch No.: 136048

SDG No.: 68088811-4

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136048/5 | 1CD02005.D |
| Level 2 | IC 660-136048/6 | 1CD02006.D |
| Level 3 | IC 660-136048/7 | 1CD02007.D |
| Level 4 | IC 660-136048/8 | 1CD02008.D |
| Level 5 | ICIS 660-136048/9 | 1CD02009.D |
| Level 6 | IC 660-136048/10 | 1CD02010.D |
| Level 7 | IC 660-136048/11 | 1CD02011.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 | 0.9951 1.0462 | 0.9249 1.0491 | 1.1511 | 1.0146 | 1.0107 | Ave | | 1.0274 | | | 0.0000 | 6.7 | 15.0 | | | | |
| 2-Methylnaphthalene | 0.7586 0.6820 | 0.6817 0.7025 | 0.6887 | 0.7485 | 0.6335 | Ave | | 0.6994 | | | 0.0000 | 6.1 | 15.0 | | | | |
| 1-Methylnaphthalene | 0.7248 0.6605 | 0.4518 0.6576 | 0.6481 | 0.6089 | 0.6533 | Ave | | 0.6293 | | | 0.0000 | 13.6 | 15.0 | | | | |
| Acenaphthylene | 1.4345 1.7430 | 1.5801 1.7453 | 1.7015 | 1.6743 | 1.7098 | Ave | | 1.6555 | | | 0.0000 | 6.8 | 15.0 | | | | |
| Acenaphthene | 0.8041 1.0063 | 1.3709 1.0300 | 0.9518 | 0.9544 | 1.0574 | Lin | | 1.0254 | | | 0.0000 | | | 0.9993 | | 0.9900 | |
| Fluorene | 1.2800 1.3623 | 1.5080 1.3691 | 1.4076 | 1.2955 | 1.3459 | Ave | | 1.3669 | | | 0.0000 | 5.6 | 15.0 | | | | |
| Phenanthrene | 1.2753 1.1465 | 1.1377 1.2101 | 1.1311 | 1.1382 | 1.1160 | Ave | | 1.1650 | | | 0.0000 | 4.9 | 15.0 | | | | |
| Anthracene | 1.2299 1.2077 | 1.1082 1.2343 | 1.1512 | 1.1740 | 1.1613 | Ave | | 1.1810 | | | 0.0000 | 3.9 | 15.0 | | | | |
| Carbazole | 0.9389 1.0577 | 0.8968 1.0652 | 1.0685 | 0.9845 | 1.0709 | Ave | | 1.0118 | | | 0.0000 | 7.1 | 15.0 | | | | |
| Fluoranthene | 1.0844 1.3160 | 1.1991 1.4023 | 1.3527 | 1.3181 | 1.3335 | Ave | | 1.2866 | | | 0.0000 | 8.4 | 15.0 | | | | |
| Pyrene | 1.0454 1.1504 | 1.0946 1.1474 | 1.1166 | 1.0638 | 1.1380 | Ave | | 1.1080 | | | 0.0000 | 3.8 | 15.0 | | | | |
| Benzo[a]anthracene | 1.9586 1.1436 | 1.3015 1.1642 | 1.1246 | 1.1267 | 1.1237 | Lin | 0.0034 | 1.1590 | | | 0.0000 | | | 0.9997 | | 0.9900 | |
| Chrysene | 1.0137 1.1434 | 1.2130 1.1619 | 1.2029 | 1.1145 | 1.1295 | Ave | | 1.1398 | | | 0.0000 | 5.8 | 15.0 | | | | |
| Benzo[b]fluoranthene | 1.4007 1.0698 | 0.9300 1.1884 | 1.1544 | 1.1244 | 1.0480 | Ave | | 1.1308 | | | 0.0000 | 12.9 | 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.: 680-88811-4 Analy Batch No.: 136048
 SDG No.: 68088811-4
 Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N
 Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

| 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 | 0.9952 1.1459 | 1.0465 1.1495 | 1.1058 | 1.1151 | 1.0979 | Ave | | 1.0937 | | | 0.0000 | 5.1 | 15.0 | | | | |
| Benzo[a]pyrene | 1.2128 1.0446 | 0.9589 1.1556 | 1.0227 | 1.0341 | 1.0238 | Ave | | 1.0647 | | | 0.0000 | 8.2 | 15.0 | | | | |
| Indeno[1,2,3-cd]pyrene | 1.2338 1.0436 | 0.9049 1.0226 | 1.0384 | 0.9595 | 0.8756 | Ave | | 1.0112 | | | 0.0000 | 11.7 | 15.0 | | | | |
| Dibenz(a,h)anthracene | 0.9208 0.9567 | 0.9397 0.9834 | 0.8833 | 0.9304 | 0.9246 | Ave | | 0.9341 | | | 0.0000 | 3.3 | 15.0 | | | | |
| Benzo[g,h,i]perylene | 1.0683 1.0751 | 0.9692 1.0455 | 1.0646 | 1.0048 | 0.9970 | Ave | | 1.0321 | | | 0.0000 | 4.0 | 15.0 | | | | |
| o-Terphenyl | 0.8162 0.5958 | 0.5068 0.6604 | 0.5759 | 0.6060 | 0.6022 | Lin | 0.0181 | 0.6529 | | | 0.0000 | | | 0.9966 | | 0.9900 | |

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.: 680-88811-4 Analy Batch No.: 136048

SDG No.: 68088811-4

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

Calibration Files:

| LEVEL: | LAB SAMPLE ID: | LAB FILE ID: |
|---------|-------------------|--------------|
| Level 1 | IC 660-136048/5 | 1CD02005.D |
| Level 2 | IC 660-136048/6 | 1CD02006.D |
| Level 3 | IC 660-136048/7 | 1CD02007.D |
| Level 4 | IC 660-136048/8 | 1CD02008.D |
| Level 5 | ICIS 660-136048/9 | 1CD02009.D |
| Level 6 | IC 660-136048/10 | 1CD02010.D |
| Level 7 | IC 660-136048/11 | 1CD02011.D |

| 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 | | | |
| Naphthalene | NPT | Ave | 2264 350333 | 10440 668649 | 65815 | 121970 | 253190 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 2-Methylnaphthalene | NPT | Ave | 1726 228375 | 7695 447751 | 39376 | 89978 | 158694 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| 1-Methylnaphthalene | NPT | Ave | 1649 221182 | 5100 419135 | 37056 | 73198 | 163647 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthylene | ANT | Ave | 2387 423924 | 12563 814053 | 70473 | 148174 | 308909 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Acenaphthene | ANT | Lin | 1338 244735 | 10900 480392 | 39421 | 84460 | 191043 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluorene | ANT | Ave | 2130 331328 | 11990 638557 | 58298 | 114648 | 243174 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Phenanthrene | PHN | Ave | 3900 529536 | 16838 1077014 | 88442 | 194036 | 392252 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Anthracene | PHN | Ave | 3761 557837 | 16401 1098599 | 90016 | 200131 | 408192 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Carbazole | PHN | Ave | 2871 488550 | 13272 948101 | 83549 | 167822 | 376402 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Fluoranthene | PHN | Ave | 3316 607836 | 17746 1248081 | 105772 | 224705 | 468708 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Pyrene | CRY | Ave | 4087 663294 | 20532 1360548 | 109963 | 236267 | 498076 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[a]anthracene | CRY | Lin | 7657 659379 | 24413 1380443 | 110756 | 250220 | 491852 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Chrysene | CRY | Ave | 3963 659226 | 22752 1377767 | 118460 | 247512 | 494376 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[b]fluoranthene | PRY | Ave | 5890 671785 | 19731 1443812 | 127315 | 261073 | 494109 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[k]fluoranthene | PRY | Ave | 4185 719552 | 22203 1396501 | 121957 | 258924 | 517620 | 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.: 680-88811-4 Analy Batch No.: 136048

SDG No.: 68088811-4

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250 (um) Heated Purge: (Y/N) N

Calibration Start Date: 04/02/2013 13:26 Calibration End Date: 04/02/2013 15:15 Calibration ID: 2859

| 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 | 5100 655944 | 20343 1403971 | 112782 | 240110 | 482722 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Indeno[1,2,3-cd]pyrene | PRY | Ave | 5188 655344 | 19198 1242391 | 114519 | 222795 | 412839 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Dibenz(a,h)anthracene | PRY | Ave | 3872 600720 | 19937 1194691 | 97409 | 216036 | 435940 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| Benzo[g,h,i]perylene | PRY | Ave | 4492 675124 | 20561 1270187 | 117403 | 233308 | 470085 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |
| o-Terphenyl | PHN | Lin | 2496 275212 | 7501 587824 | 45027 | 103309 | 211673 | 0.200 30.0 | 1.00 50.0 | 5.00 | 10.0 | 20.0 |

Curve Type Legend:

| |
|--------------------|
| Ave = Average ISTD |
| Lin = Linear ISTD |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02005.D
 Lab Smp Id: IC1
 Inj Date : 02-APR-2013 13:26
 Operator : SCC
 Smp Info : IC1
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.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 | | | | | |
|---------------------------|-------|-----|---------|------------|--------|--------|---------|--------|
| | | | CAL-AMT | ON-COL | MASS | RT | EXP RT | REL RT |
| * 1 Naphthalene-d8 | 136 | | 40.0000 | | 3.710 | 3.710 | (1.000) | 455021 |
| * 6 Acenaphthene-d10 | 164 | | 40.0000 | | 4.804 | 4.804 | (1.000) | 332800 |
| * 10 Phenanthrene-d10 | 188 | | 40.0000 | | 5.757 | 5.757 | (1.000) | 611597 |
| \$ 14 o-Terphenyl | 230 | | 0.20000 | 0.2618 | 6.004 | 6.004 | (1.043) | 2496 |
| * 18 Chrysene-d12 | 240 | | 40.0000 | | 7.704 | 7.704 | (1.000) | 781900 |
| * 23 Perylene-d12 | 264 | | 40.0000 | (H) | 8.909 | 8.909 | (1.000) | 841000 |
| 2 Naphthalene | 128 | | 0.20000 | 0.1937 | 3.727 | 3.727 | (1.005) | 2264 |
| 3 2-Methylnaphthalene | 142 | | 0.20000 | 0.2169 | 4.157 | 4.157 | (1.120) | 1726 |
| 4 1-Methylnaphthalene | 142 | | 0.20000 | 0.2303 | 4.216 | 4.216 | (1.136) | 1649 |
| 5 Acenaphthylene | 152 | | 0.20000 | 0.1733 | 4.716 | 4.716 | (0.982) | 2387 |
| 7 Acenaphthene | 154 | | 0.20000 | 0.1568(Q) | 4.821 | 4.821 | (1.004) | 1338 |
| 9 Fluorene | 166 | | 0.20000 | 0.1872 | 5.145 | 5.145 | (1.071) | 2130 |
| 11 Phenanthrene | 178 | | 0.20000 | 0.2189 | 5.768 | 5.768 | (1.002) | 3900 |
| 12 Anthracene | 178 | | 0.20000 | 0.2082 | 5.804 | 5.804 | (1.008) | 3761 |
| 13 Carbazole | 167 | | 0.20000 | 0.1855 | 5.915 | 5.915 | (1.028) | 2871 |
| 15 Fluoranthene | 202 | | 0.20000 | 0.1685 | 6.604 | 6.604 | (1.147) | 3316 |
| 16 Pyrene | 202 | | 0.20000 | 0.1886 | 6.774 | 6.774 | (0.879) | 4087 |
| 17 Benzo(a)anthracene | 228 | | 0.20000 | 0.3066 | 7.698 | 7.698 | (0.999) | 7657 |
| 19 Chrysene | 228 | | 0.20000 | 0.1778 | 7.727 | 7.727 | (1.003) | 3963 |
| 20 Benzo(b)fluoranthene | 252 | | 0.20000 | 0.2477(H) | 8.562 | 8.562 | (0.961) | 5890 |
| 21 Benzo(k)fluoranthene | 252 | | 0.20000 | 0.1819(H) | 8.586 | 8.586 | (0.964) | 4185 |
| 22 Benzo(a)pyrene | 252 | | 0.20000 | 0.2278(H) | 8.851 | 8.851 | (0.993) | 5100 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 0.20000 | 0.2440 | 10.062 | 10.062 | (1.129) | 5188 |
| 25 Dibenzo(a,h)anthracene | 278 | | 0.20000 | 0.1971(MH) | 10.086 | 10.086 | (1.132) | 3872 |
| 26 Benzo(g,h,i)perylene | 276 | | 0.20000 | 0.2070(H) | 10.415 | 10.415 | (1.169) | 4492 |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD02005.D

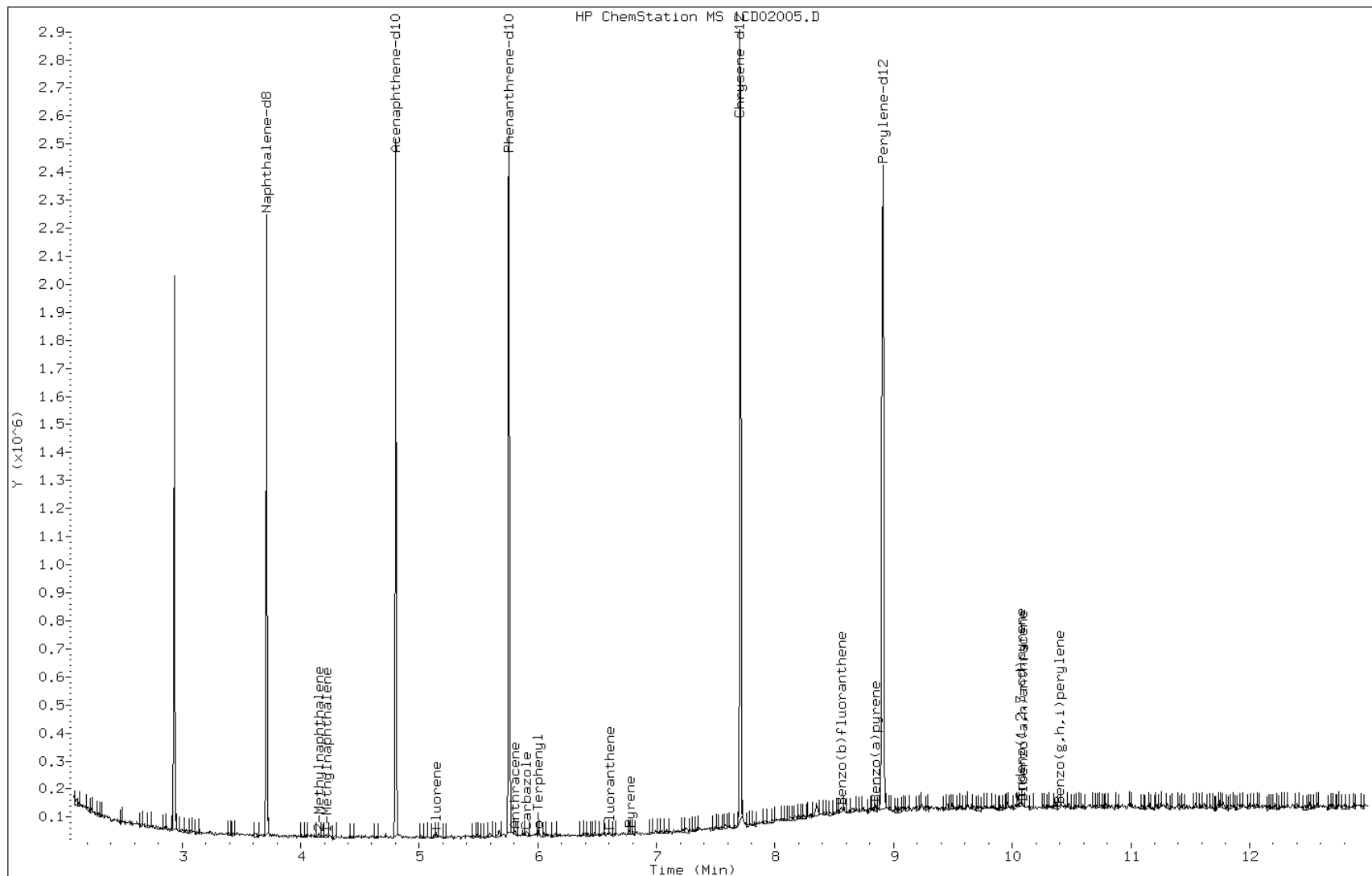
Date: 02-APR-2013 13:26

Client ID:

Instrument: BSMC5973.i

Sample Info: IC1

Operator: SCC

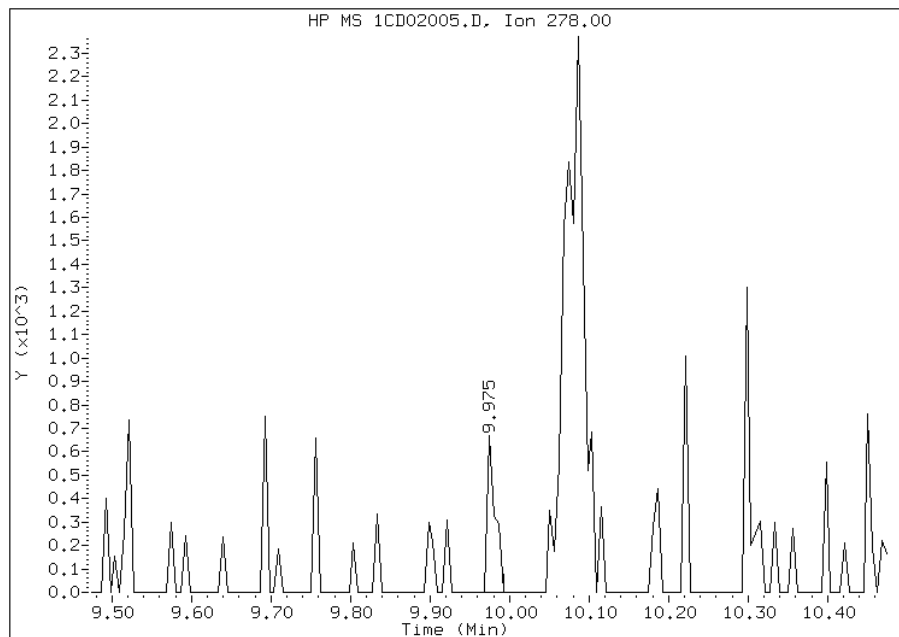


Manual Integration Report

Data File: 1CD02005.D
Inj. Date and Time: 02-APR-2013 13:26
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 04/02/2013

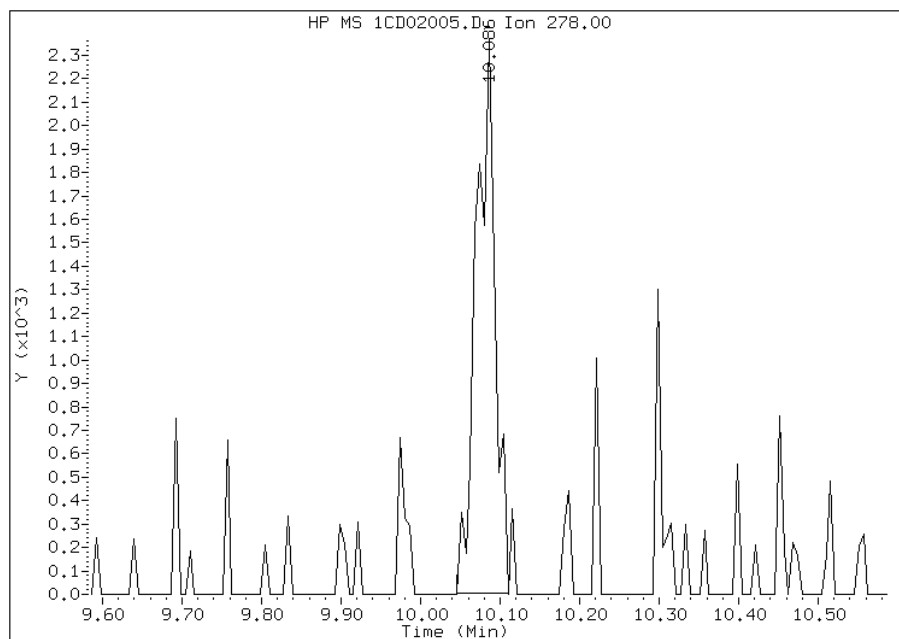
Processing Integration Results

RT: 9.97
Response: 454
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.09
Response: 3872
Amount: 0
Conc: 0



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:44
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02006.D
 Lab Smp Id: IC2
 Inj Date : 02-APR-2013 13:44
 Operator : SCC
 Smp Info : IC2
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 13:26 Cal File: 1CD02005.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 | | | | | |
|---------------------------|-------|-----|---------|------------|--------|--------|---------|--------|
| | | | CAL-AMT | ON-COL | MASS | RT | EXP RT | REL RT |
| * 1 Naphthalene-d8 | 136 | | 40.0000 | | 3.710 | 3.710 | (1.000) | 451517 |
| * 6 Acenaphthene-d10 | 164 | | 40.0000 | | 4.798 | 4.798 | (1.000) | 318036 |
| * 10 Phenanthrene-d10 | 188 | | 40.0000 | | 5.745 | 5.745 | (1.000) | 591987 |
| \$ 14 o-Terphenyl | 230 | | 1.00000 | 0.8130 | 5.998 | 5.998 | (1.044) | 7501 |
| * 18 Chrysene-d12 | 240 | | 40.0000 | (H) | 7.686 | 7.686 | (1.000) | 750291 |
| * 23 Perylene-d12 | 264 | | 40.0000 | (H) | 8.862 | 8.862 | (1.000) | 848618 |
| 2 Naphthalene | 128 | | 1.00000 | 0.9002 | 3.727 | 3.727 | (1.005) | 10440 |
| 3 2-Methylnaphthalene | 142 | | 1.00000 | 0.9747 | 4.151 | 4.151 | (1.119) | 7695 |
| 4 1-Methylnaphthalene | 142 | | 1.00000 | 0.7179(Q) | 4.216 | 4.216 | (1.136) | 5100 |
| 5 Acenaphthylene | 152 | | 1.00000 | 0.9544 | 4.710 | 4.710 | (0.982) | 12563 |
| 7 Acenaphthene | 154 | | 1.00000 | 1.3375(Q) | 4.821 | 4.821 | (1.005) | 10900 |
| 9 Fluorene | 166 | | 1.00000 | 1.1032 | 5.139 | 5.139 | (1.071) | 11990 |
| 11 Phenanthrene | 178 | | 1.00000 | 0.9766 | 5.762 | 5.762 | (1.003) | 16838 |
| 12 Anthracene | 178 | | 1.00000 | 0.9383 | 5.798 | 5.798 | (1.009) | 16401 |
| 13 Carbazole | 167 | | 1.00000 | 0.8863 | 5.904 | 5.904 | (1.028) | 13272 |
| 15 Fluoranthene | 202 | | 1.00000 | 0.9319 | 6.598 | 6.598 | (1.148) | 17746 |
| 16 Pyrene | 202 | | 1.00000 | 0.9878(H) | 6.762 | 6.762 | (0.880) | 20532 |
| 17 Benzo(a)anthracene | 228 | | 1.00000 | 1.0187(H) | 7.680 | 7.680 | (0.999) | 24413 |
| 19 Chrysene | 228 | | 1.00000 | 1.0641 | 7.704 | 7.704 | (1.002) | 22752 |
| 20 Benzo(b)fluoranthene | 252 | | 1.00000 | 0.8224(H) | 8.521 | 8.521 | (0.962) | 19731 |
| 21 Benzo(k)fluoranthene | 252 | | 1.00000 | 0.9568(H) | 8.539 | 8.539 | (0.963) | 22203 |
| 22 Benzo(a)pyrene | 252 | | 1.00000 | 0.9006(H) | 8.809 | 8.809 | (0.994) | 20343 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 1.00000 | 0.8948(MH) | 10.009 | 10.009 | (1.129) | 19198 |
| 25 Dibenzo(a,h)anthracene | 278 | | 1.00000 | 1.0060(H) | 10.027 | 10.027 | (1.131) | 19937 |
| 26 Benzo(g,h,i)perylene | 276 | | 1.00000 | 0.9390(H) | 10.356 | 10.356 | (1.169) | 20561 |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD02006.D

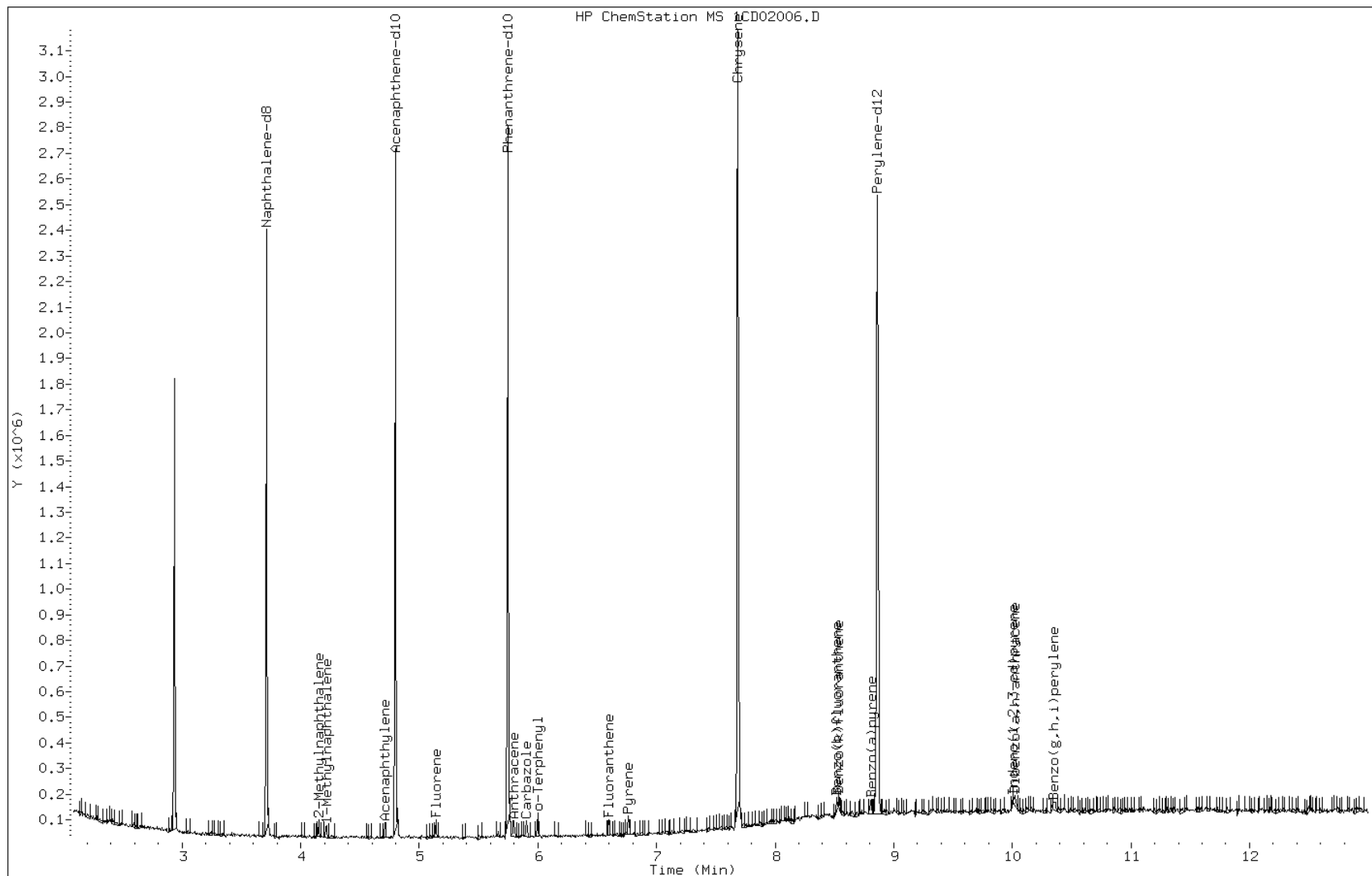
Date: 02-APR-2013 13:44

Client ID:

Instrument: BSMC5973.i

Sample Info: IC2

Operator: SCC

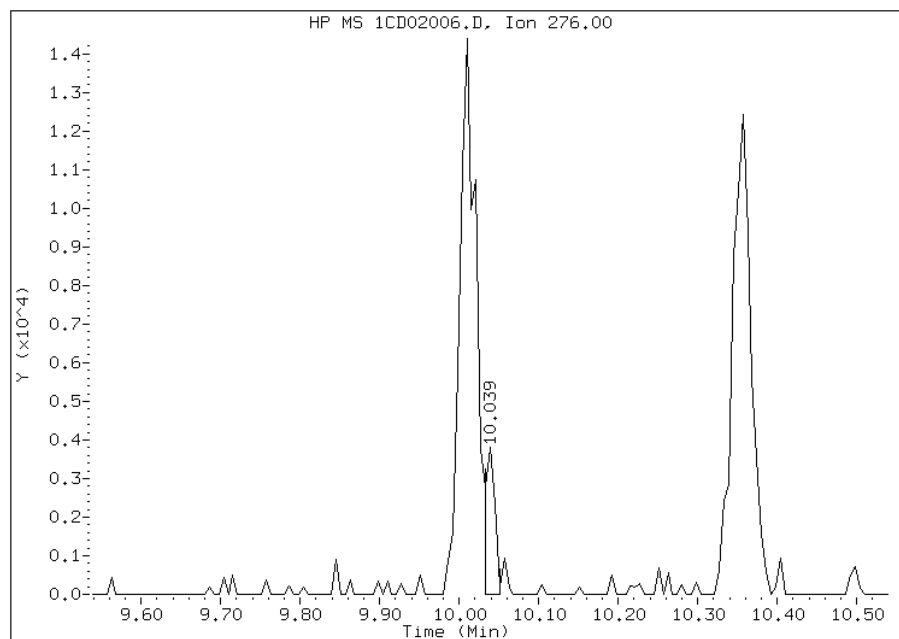


Manual Integration Report

Data File: 1CD02006.D
Inj. Date and Time: 02-APR-2013 13:44
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

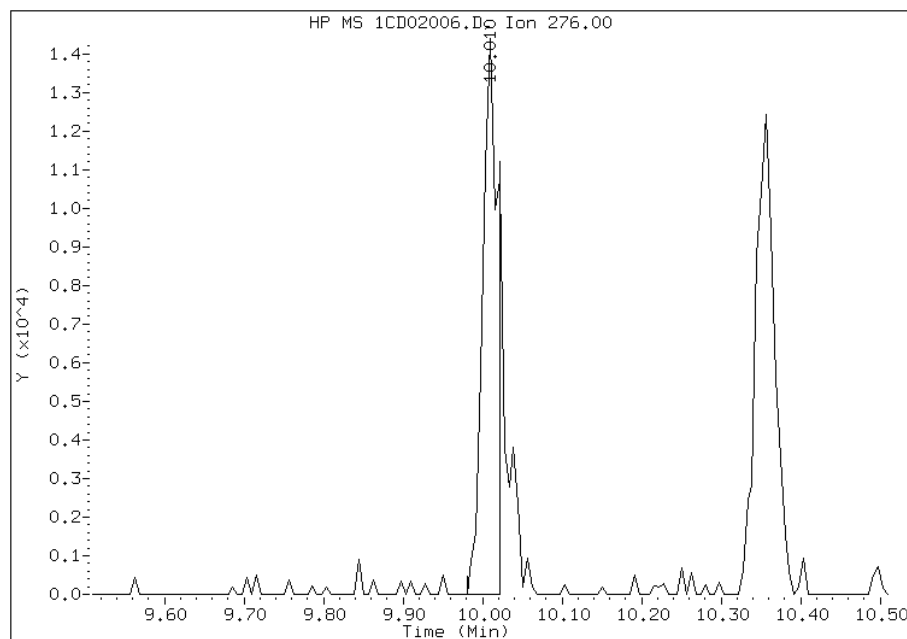
Processing Integration Results

RT: 10.04
Response: 3225
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.01
Response: 19198
Amount: 1
Conc: 1



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:45
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02007.D
 Lab Smp Id: IC3
 Inj Date : 02-APR-2013 14:02
 Operator : SCC
 Smp Info : IC3
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 13:44 Cal File: 1CD02006.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 | | | | | ON-COL |
|---------------------------|-------|-----|---------|--------|---------|--------|----------|------------|
| | | | MASS | RT | EXP RT | REL RT | RESPONSE | |
| * 1 Naphthalene-d8 | 136 | | 3.710 | 3.710 | (1.000) | 457408 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 4.798 | 4.798 | (1.000) | 331342 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 5.745 | 5.745 | (1.000) | 625535 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 5.998 | 5.998 | (1.044) | 45027 | 5.00000 | 4.6190 |
| * 18 Chrysene-d12 | 240 | | 7.686 | 7.686 | (1.000) | 787858 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 8.856 | 8.856 | (1.000) | 882270 | 40.0000 | (H) |
| 2 Naphthalene | 128 | | 3.727 | 3.727 | (1.005) | 65815 | 5.00000 | 5.6020 |
| 3 2-Methylnaphthalene | 142 | | 4.151 | 4.151 | (1.119) | 39376 | 5.00000 | 4.9236 |
| 4 1-Methylnaphthalene | 142 | | 4.216 | 4.216 | (1.136) | 37056 | 5.00000 | 5.1494(Q) |
| 5 Acenaphthylene | 152 | | 4.710 | 4.710 | (0.982) | 70473 | 5.00000 | 5.1389 |
| 7 Acenaphthene | 154 | | 4.821 | 4.821 | (1.005) | 39421 | 5.00000 | 4.6430 |
| 9 Fluorene | 166 | | 5.139 | 5.139 | (1.071) | 58298 | 5.00000 | 5.1486 |
| 11 Phenanthrene | 178 | | 5.763 | 5.763 | (1.003) | 88442 | 5.00000 | 4.8545 |
| 12 Anthracene | 178 | | 5.792 | 5.792 | (1.008) | 90016 | 5.00000 | 4.8741 |
| 13 Carbazole | 167 | | 5.904 | 5.904 | (1.028) | 83549 | 5.00000 | 5.2803 |
| 15 Fluoranthene | 202 | | 6.598 | 6.598 | (1.148) | 105772 | 5.00000 | 5.2570 |
| 16 Pyrene | 202 | | 6.762 | 6.762 | (0.880) | 109963 | 5.00000 | 5.0385 |
| 17 Benzo(a)anthracene | 228 | | 7.674 | 7.674 | (0.998) | 110756 | 5.00000 | 4.4014 |
| 19 Chrysene | 228 | | 7.704 | 7.704 | (1.002) | 118460 | 5.00000 | 5.2764(H) |
| 20 Benzo(b)fluoranthene | 252 | | 8.515 | 8.515 | (0.961) | 127315 | 5.00000 | 5.1043 |
| 21 Benzo(k)fluoranthene | 252 | | 8.539 | 8.539 | (0.964) | 121957 | 5.00000 | 5.0554(H) |
| 22 Benzo(a)pyrene | 252 | | 8.804 | 8.804 | (0.994) | 112782 | 5.00000 | 4.8027(H) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | | 10.003 | 10.003 | (1.129) | 114519 | 5.00000 | 5.1344(MH) |
| 25 Dibenzo(a,h)anthracene | 278 | | 10.021 | 10.021 | (1.131) | 97409 | 5.00000 | 4.7277(H) |
| 26 Benzo(g,h,i)perylene | 276 | | 10.345 | 10.345 | (1.168) | 117403 | 5.00000 | 5.1573(H) |

QC Flag Legend

- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: 1CD02007.D

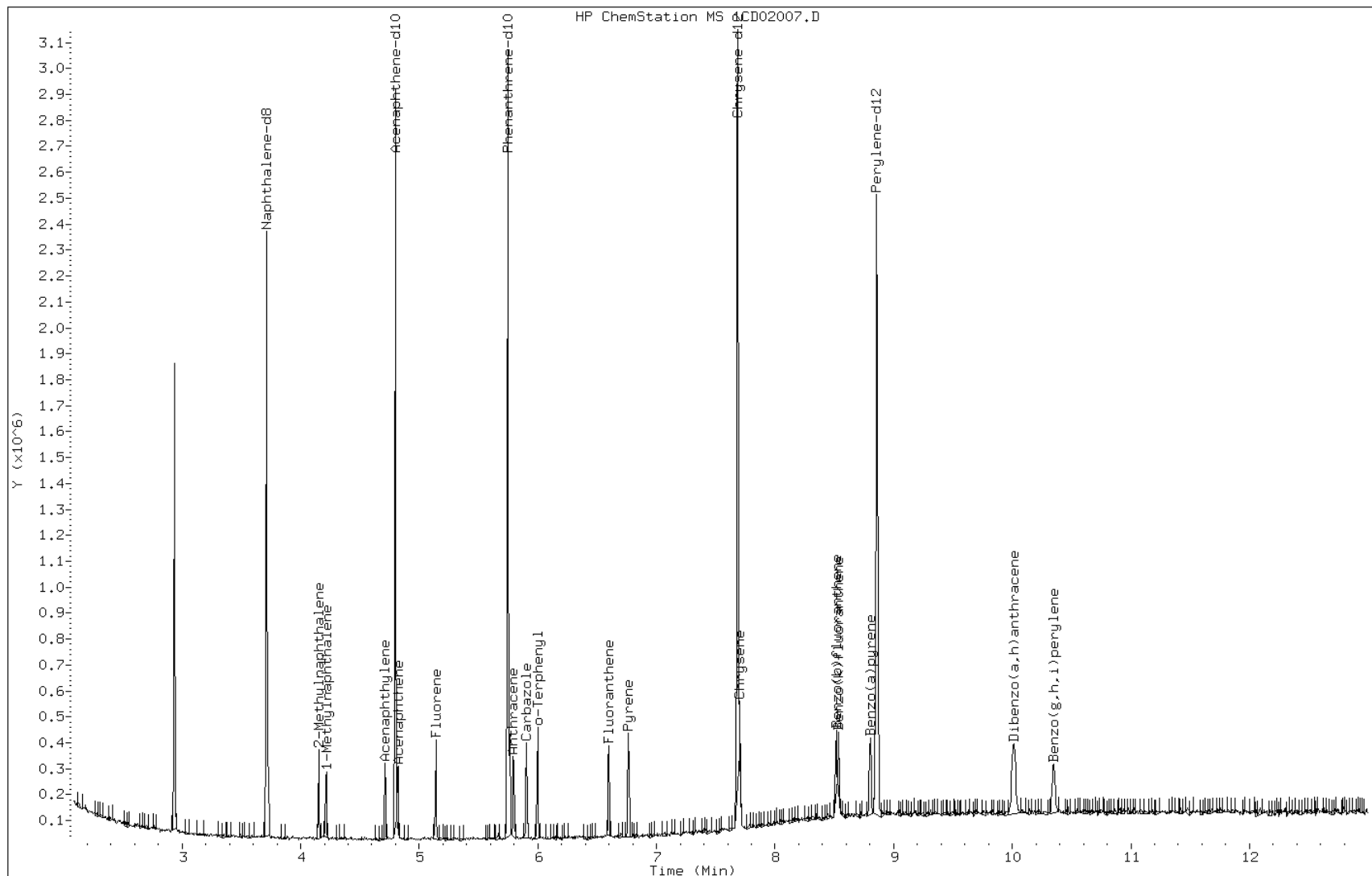
Date: 02-APR-2013 14:02

Client ID:

Instrument: BSMC5973.i

Sample Info: IC3

Operator: SCC

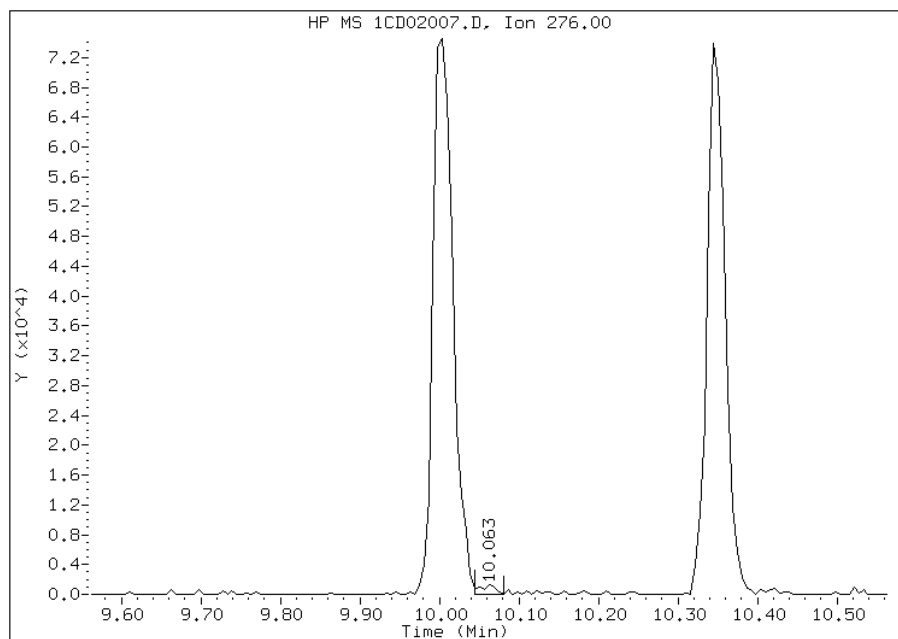


Manual Integration Report

Data File: 1CD02007.D
Inj. Date and Time: 02-APR-2013 14:02
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

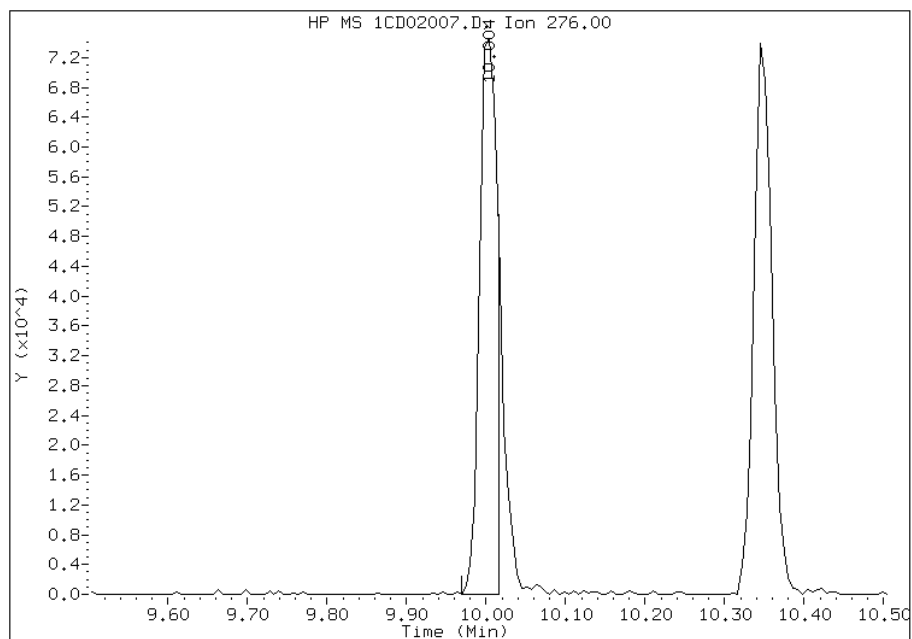
Processing Integration Results

RT: 10.06
Response: 1809
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.00
Response: 114519
Amount: 5
Conc: 5



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:48
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02008.D
 Lab Smp Id: IC4
 Inj Date : 02-APR-2013 14:20
 Operator : SCC
 Smp Info : IC4
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:02 Cal File: 1CD02007.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/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.710 | 3.710 | (1.000) | 480844 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.798 | 4.798 | (1.000) | 353988 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.745 | 5.745 | (1.000) | 681887 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.998 | 5.998 | (1.044) | 103309 | 10.0000 | 9.7219 |
| * 18 Chrysene-d12 | 240 | 7.686 | 7.686 | (1.000) | 888354 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.856 | 8.856 | (1.000) | 928754 | 40.0000 | |
| 2 Naphthalene | 128 | 3.727 | 3.727 | (1.005) | 121970 | 10.0000 | 9.8758 |
| 3 2-Methylnaphthalene | 142 | 4.151 | 4.151 | (1.119) | 89978 | 10.0000 | 10.7026 |
| 4 1-Methylnaphthalene | 142 | 4.215 | 4.215 | (1.136) | 73198 | 10.0000 | 9.6761 |
| 5 Acenaphthylene | 152 | 4.710 | 4.710 | (0.982) | 148174 | 10.0000 | 10.1137 |
| 7 Acenaphthene | 154 | 4.821 | 4.821 | (1.005) | 84460 | 10.0000 | 9.3113 |
| 9 Fluorene | 166 | 5.139 | 5.139 | (1.071) | 114648 | 10.0000 | 9.4775 |
| 11 Phenanthrene | 178 | 5.762 | 5.762 | (1.003) | 194036 | 10.0000 | 9.7703 |
| 12 Anthracene | 178 | 5.792 | 5.792 | (1.008) | 200131 | 10.0000 | 9.9409 |
| 13 Carbazole | 167 | 5.904 | 5.904 | (1.028) | 167822 | 10.0000 | 9.7299 |
| 15 Fluoranthene | 202 | 6.598 | 6.598 | (1.148) | 224705 | 10.0000 | 10.2452 |
| 16 Pyrene | 202 | 6.762 | 6.762 | (0.880) | 236267 | 10.0000 | 9.6011 |
| 17 Benzo(a)anthracene | 228 | 7.674 | 7.674 | (0.998) | 250220 | 10.0000 | 8.8188 |
| 19 Chrysene | 228 | 7.703 | 7.703 | (1.002) | 247512 | 10.0000 | 9.7775(H) |
| 20 Benzo(b)fluoranthene | 252 | 8.515 | 8.515 | (0.961) | 261073 | 10.0000 | 9.9431(H) |
| 21 Benzo(k)fluoranthene | 252 | 8.539 | 8.539 | (0.964) | 258924 | 10.0000 | 10.1958(H) |
| 22 Benzo(a)pyrene | 252 | 8.803 | 8.803 | (0.994) | 240110 | 10.0000 | 9.7131 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 10.003 | 10.003 | (1.129) | 222795 | 10.0000 | 9.4889(MH) |
| 25 Dibenzo(a,h)anthracene | 278 | 10.021 | 10.021 | (1.131) | 216036 | 10.0000 | 9.9604 |
| 26 Benzo(g,h,i)perylene | 276 | 10.350 | 10.350 | (1.169) | 233308 | 10.0000 | 9.7359(H) |

QC Flag Legend

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

Data File: 1CD02008.D

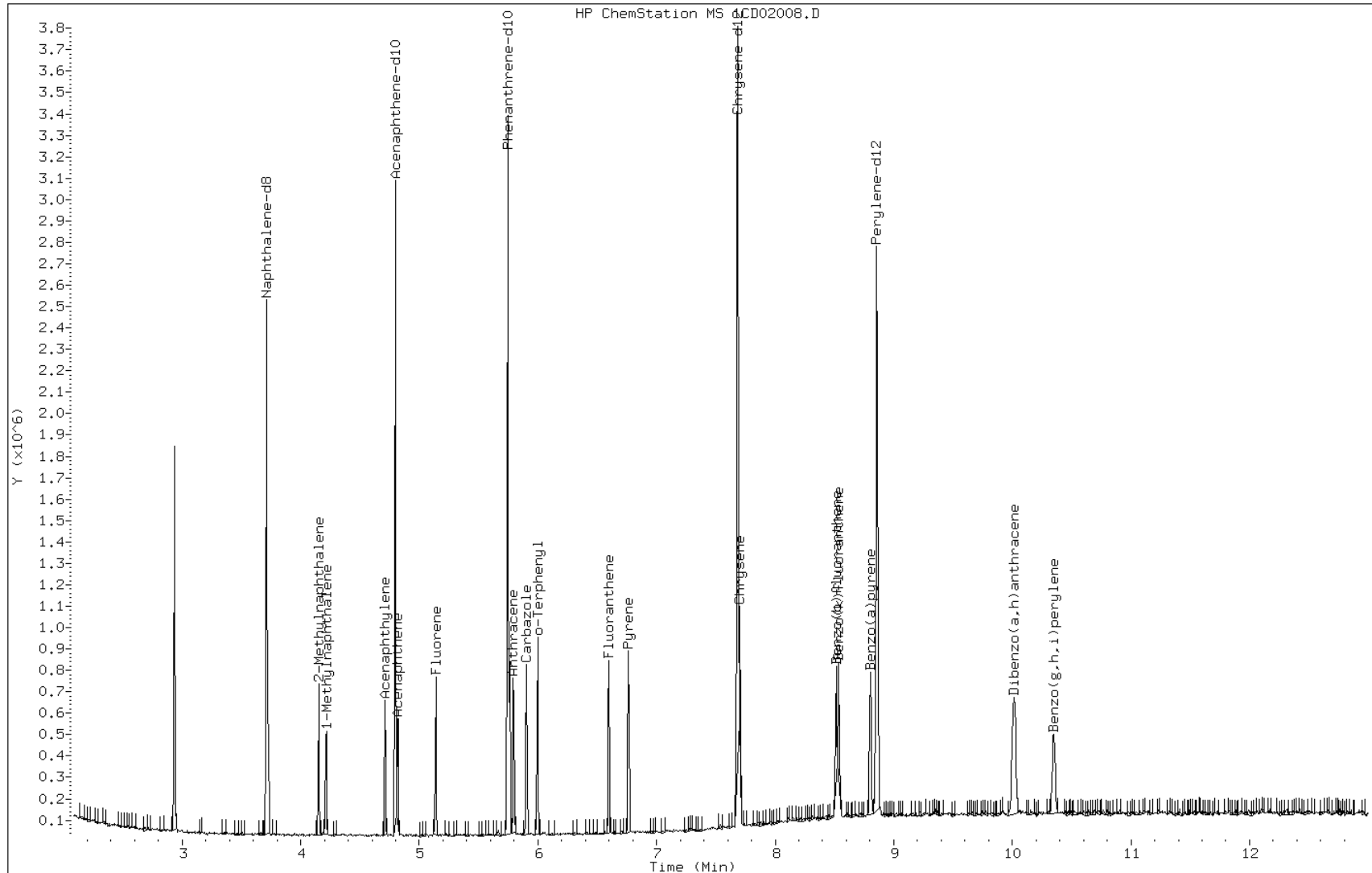
Date: 02-APR-2013 14:20

Client ID:

Instrument: BSMC5973.i

Sample Info: IC4

Operator: SCC

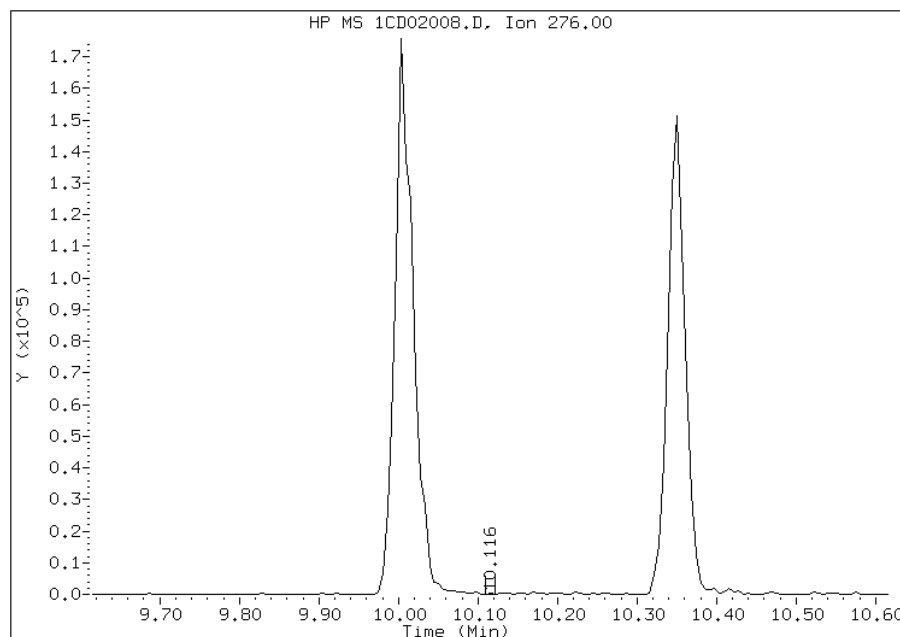


Manual Integration Report

Data File: 1CD02008.D
Inj. Date and Time: 02-APR-2013 14:20
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

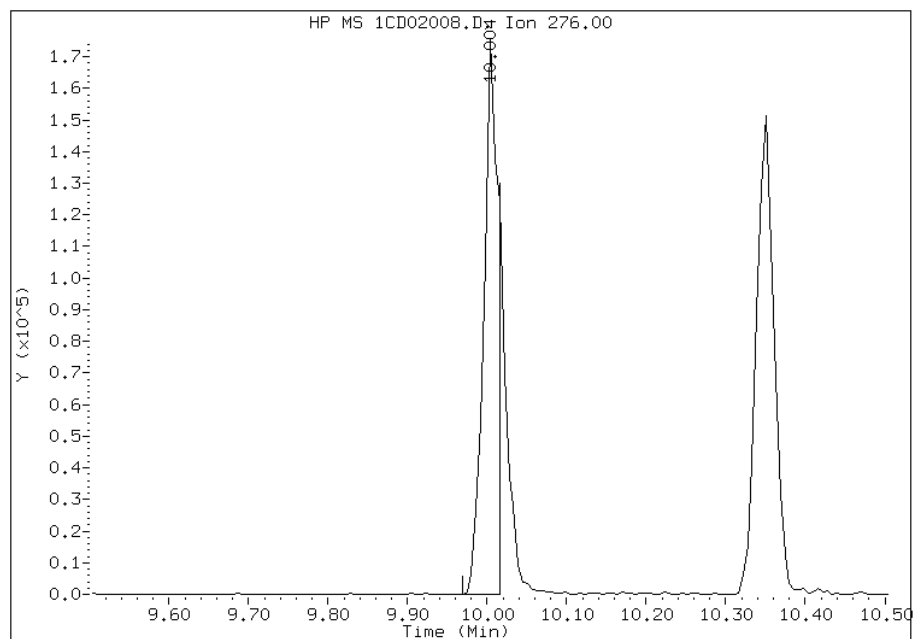
Processing Integration Results

RT: 10.12
Response: 142
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.00
Response: 222795
Amount: 9
Conc: 9



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:49
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02009.D
 Lab Smp Id: IC5
 Inj Date : 02-APR-2013 14:39
 Operator : SCC
 Smp Info : IC5
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:20 Cal File: 1CD02008.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 | | AMOUNTS | | | | |
|---------------------------|-----------|--------|---------|---------|----------|-----------------|----------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | CAL-AMT (ug/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.710 | 3.710 | (1.000) | 501011 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.798 | 4.798 | (1.000) | 361349 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.745 | 5.745 | (1.000) | 702974 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.998 | 5.998 | (1.044) | 211673 | 20.0000 | 19.3221 |
| * 18 Chrysene-d12 | 240 | 7.686 | 7.686 | (1.000) | 875378 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.862 | 8.862 | (1.000) | 942955 | 40.0000 | |
| 2 Naphthalene | 128 | 3.721 | 3.721 | (1.003) | 253190 | 20.0000 | 19.6753 |
| 3 2-Methylnaphthalene | 142 | 4.151 | 4.151 | (1.119) | 158694 | 20.0000 | 18.1163 |
| 4 1-Methylnaphthalene | 142 | 4.216 | 4.216 | (1.136) | 163647 | 20.0000 | 20.7620 |
| 5 Acenaphthylene | 152 | 4.710 | 4.710 | (0.982) | 308909 | 20.0000 | 20.6554 |
| 7 Acenaphthene | 154 | 4.821 | 4.821 | (1.005) | 191043 | 20.0000 | 20.6326 |
| 9 Fluorene | 166 | 5.139 | 5.139 | (1.071) | 243174 | 20.0000 | 19.6928 |
| 11 Phenanthrene | 178 | 5.762 | 5.762 | (1.003) | 392252 | 20.0000 | 19.1586 |
| 12 Anthracene | 178 | 5.798 | 5.798 | (1.009) | 408192 | 20.0000 | 19.6676 |
| 13 Carbazole | 167 | 5.904 | 5.904 | (1.028) | 376402 | 20.0000 | 21.1684 |
| 15 Fluoranthene | 202 | 6.598 | 6.598 | (1.148) | 468708 | 20.0000 | 20.7293 |
| 16 Pyrene | 202 | 6.762 | 6.762 | (0.880) | 498076 | 20.0000 | 20.5403 |
| 17 Benzo(a)anthracene | 228 | 7.674 | 7.674 | (0.998) | 491852 | 20.0000 | 17.5920 |
| 19 Chrysene | 228 | 7.704 | 7.704 | (1.002) | 494376 | 20.0000 | 19.8190 |
| 20 Benzo(b)fluoranthene | 252 | 8.515 | 8.515 | (0.961) | 494109 | 20.0000 | 18.5350 |
| 21 Benzo(k)fluoranthene | 252 | 8.539 | 8.539 | (0.963) | 517620 | 20.0000 | 20.0758 |
| 22 Benzo(a)pyrene | 252 | 8.803 | 8.803 | (0.993) | 482722 | 20.0000 | 19.2334 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 10.009 | 10.009 | (1.129) | 412839 | 20.0000 | 17.3182(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 10.021 | 10.021 | (1.131) | 435940 | 20.0000 | 19.7965 |
| 26 Benzo(g,h,i)perylene | 276 | 10.356 | 10.356 | (1.169) | 470085 | 20.0000 | 19.3212 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD02009.D

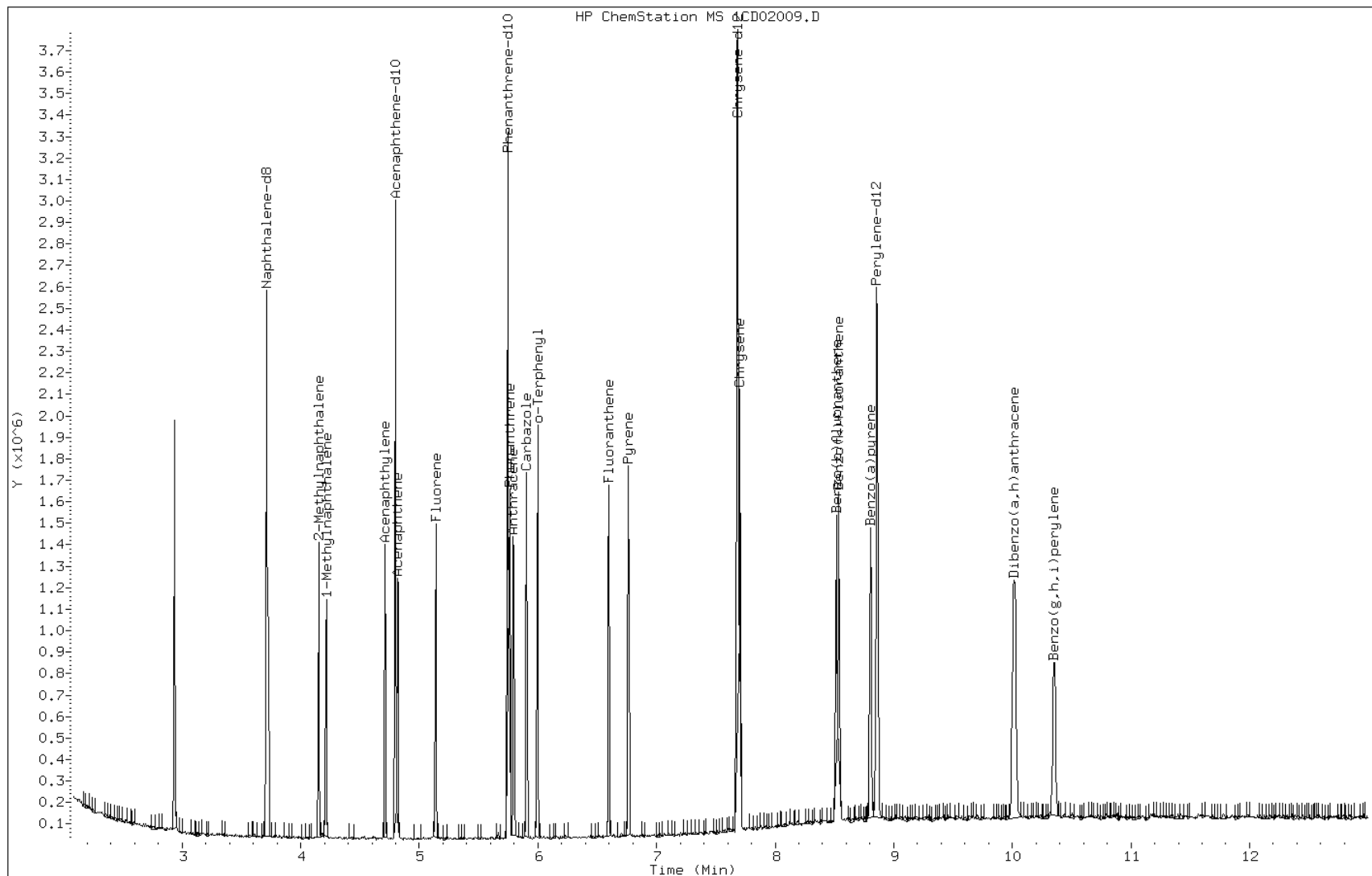
Date: 02-APR-2013 14:39

Client ID:

Instrument: BSMC5973.i

Sample Info: IC5

Operator: SCC

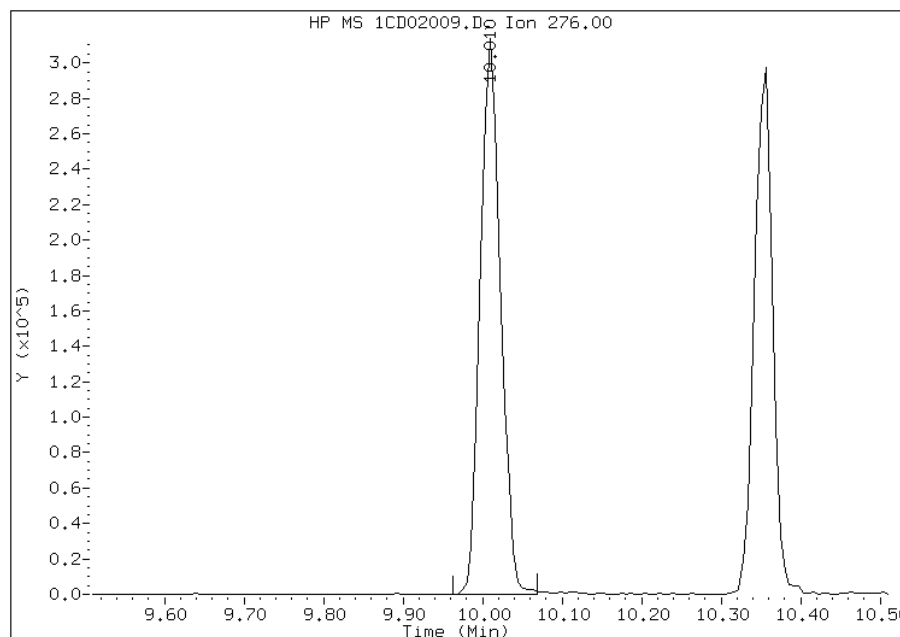


Manual Integration Report

Data File: 1CD02009.D
Inj. Date and Time: 02-APR-2013 14:39
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

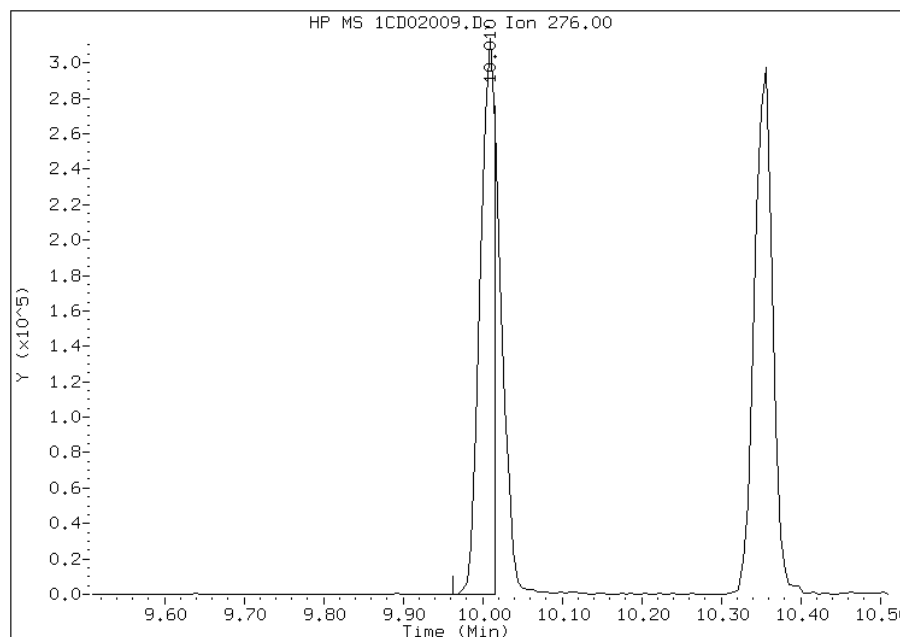
Processing Integration Results

RT: 10.01
Response: 550558
Amount: 32
Conc: 32



Manual Integration Results

RT: 10.01
Response: 412839
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:39
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02010.D
 Lab Smp Id: IC6
 Inj Date : 02-APR-2013 14:57
 Operator : SCC
 Smp Info : IC6
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:39 Cal File: 1CD02009.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/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.710 | 3.710 | (1.000) | 446499 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.798 | 4.798 | (1.000) | 324284 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.745 | 5.745 | (1.000) | 615852 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.998 | 5.998 | (1.044) | 275212 | 30.0000 | 28.6761 |
| * 18 Chrysene-d12 | 240 | 7.686 | 7.686 | (1.000) | 768745 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.857 | 8.857 | (1.000) | 837251 | 40.0000 | |
| 2 Naphthalene | 128 | 3.722 | 3.722 | (1.003) | 350333 | 30.0000 | 30.5481 |
| 3 2-Methylnaphthalene | 142 | 4.151 | 4.151 | (1.119) | 228375 | 30.0000 | 29.2540 |
| 4 1-Methylnaphthalene | 142 | 4.216 | 4.216 | (1.136) | 221182 | 30.0000 | 31.4875 |
| 5 Acenaphthylene | 152 | 4.710 | 4.710 | (0.982) | 423924 | 30.0000 | 31.5858 |
| 7 Acenaphthene | 154 | 4.822 | 4.822 | (1.005) | 244735 | 30.0000 | 29.4523 |
| 9 Fluorene | 166 | 5.139 | 5.139 | (1.071) | 331328 | 30.0000 | 29.8986 |
| 11 Phenanthrene | 178 | 5.763 | 5.763 | (1.003) | 529536 | 30.0000 | 29.5228 |
| 12 Anthracene | 178 | 5.792 | 5.792 | (1.008) | 557837 | 30.0000 | 30.6801 |
| 13 Carbazole | 167 | 5.904 | 5.904 | (1.028) | 488550 | 30.0000 | 31.3623 |
| 15 Fluoranthene | 202 | 6.598 | 6.598 | (1.148) | 607836 | 30.0000 | 30.6854 |
| 16 Pyrene | 202 | 6.763 | 6.763 | (0.880) | 663294 | 30.0000 | 31.1481 |
| 17 Benzo(a)anthracene | 228 | 7.674 | 7.674 | (0.998) | 659379 | 30.0000 | 26.8553 |
| 19 Chrysene | 228 | 7.704 | 7.704 | (1.002) | 659226 | 30.0000 | 30.0935(H) |
| 20 Benzo(b)fluoranthene | 252 | 8.515 | 8.515 | (0.961) | 671785 | 30.0000 | 28.3815(H) |
| 21 Benzo(k)fluoranthene | 252 | 8.539 | 8.539 | (0.964) | 719552 | 30.0000 | 31.4311(H) |
| 22 Benzo(a)pyrene | 252 | 8.804 | 8.804 | (0.994) | 655944 | 30.0000 | 29.4349 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 10.009 | 10.009 | (1.130) | 655344 | 30.0000 | 30.9619(MH) |
| 25 Dibenzo(a,h)anthracene | 278 | 10.027 | 10.027 | (1.132) | 600720 | 30.0000 | 30.7234 |
| 26 Benzo(g,h,i)perylene | 276 | 10.356 | 10.356 | (1.169) | 675124 | 30.0000 | 31.2520(H) |

QC Flag Legend

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

Data File: 1CD02010.D

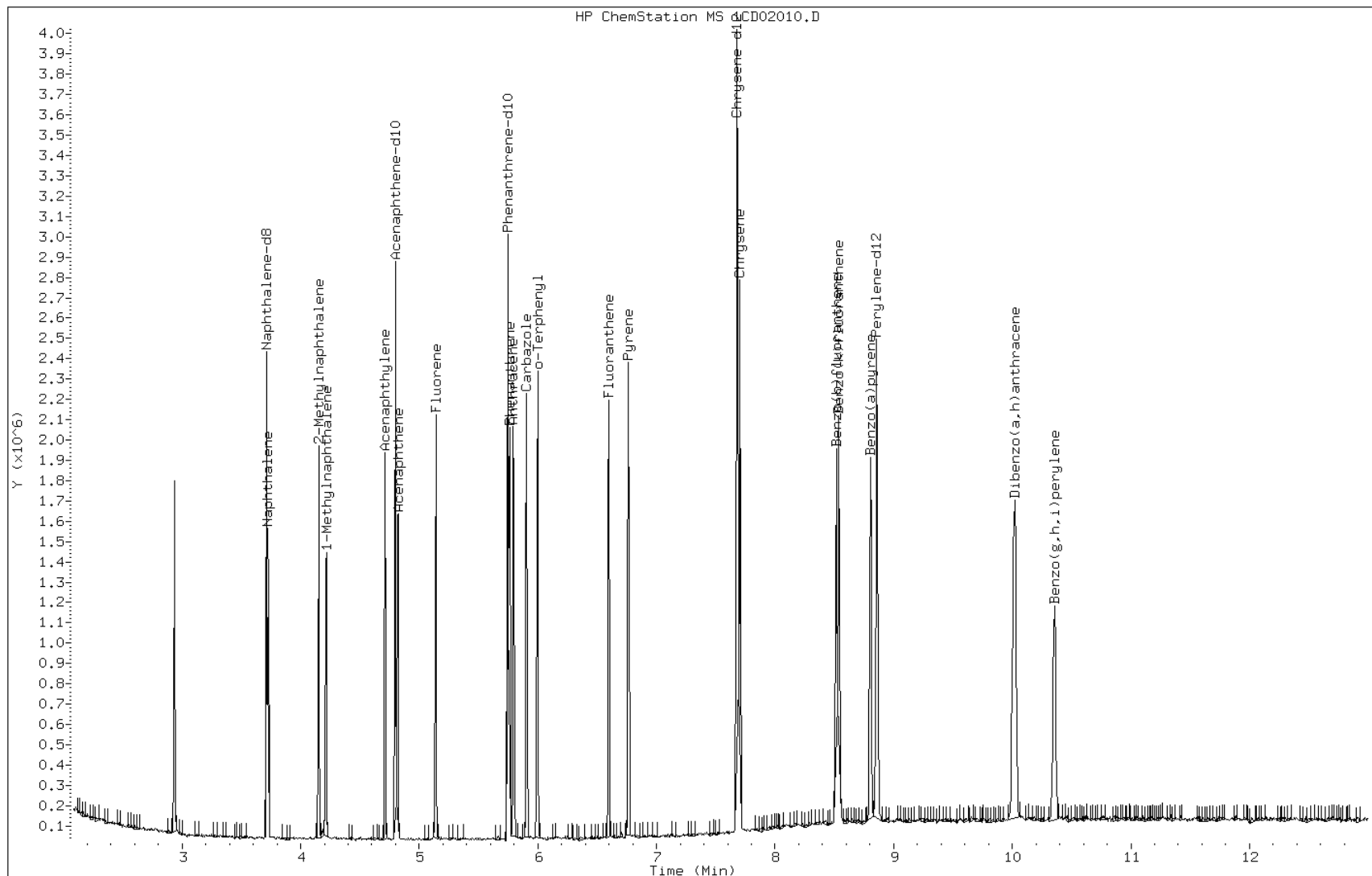
Date: 02-APR-2013 14:57

Client ID:

Instrument: BSMC5973.i

Sample Info: IC6

Operator: SCC

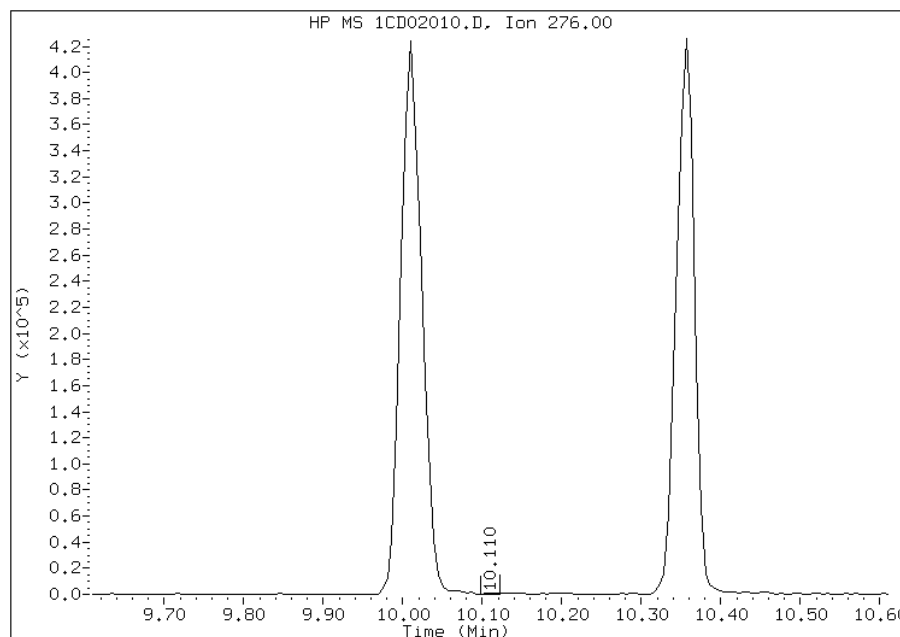


Manual Integration Report

Data File: 1CD02010.D
Inj. Date and Time: 02-APR-2013 14:57
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

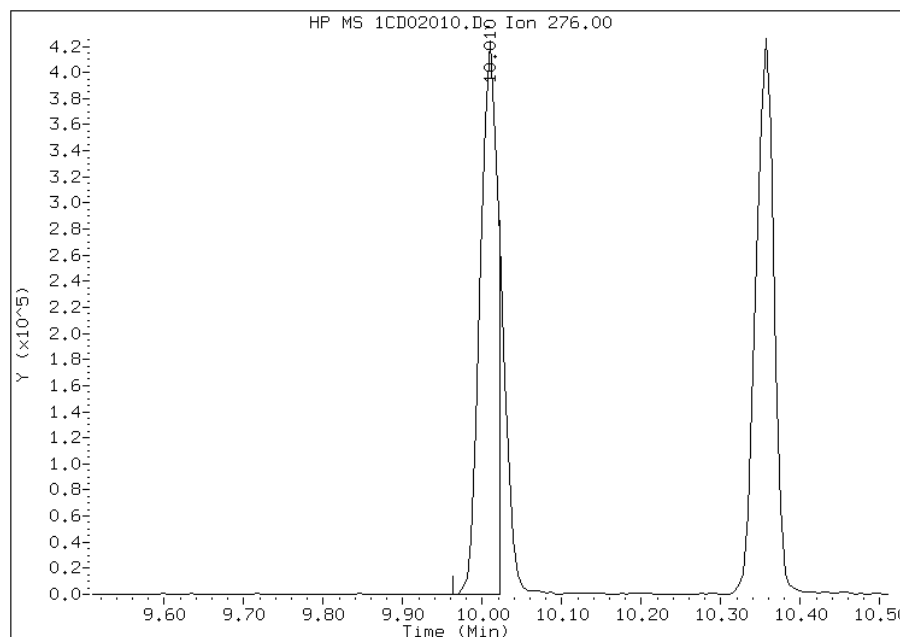
Processing Integration Results

RT: 10.11
Response: 1008
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.01
Response: 655344
Amount: 31
Conc: 31



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:50
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02011.D
 Lab Smp Id: IC7
 Inj Date : 02-APR-2013 15:15
 Operator : SCC
 Smp Info : IC7
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:51 BSMC5973.i Quant Type: ISTD
 Cal Date : 02-APR-2013 14:57 Cal File: 1CD02010.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/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.710 | 3.710 | (1.000) | 509868 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.798 | 4.798 | (1.000) | 373136 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.745 | 5.745 | (1.000) | 712035 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.998 | 5.998 | (1.044) | 587824 | 50.0000 | 52.9755(A) |
| * 18 Chrysene-d12 | 240 | 7.686 | 7.686 | (1.000) | 948633 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 8.862 | 8.862 | (1.000) | 971909 | 40.0000 | |
| 2 Naphthalene | 128 | 3.727 | 3.727 | (1.005) | 668649 | 50.0000 | 51.0580(A) |
| 3 2-Methylnaphthalene | 142 | 4.151 | 4.151 | (1.119) | 447751 | 50.0000 | 50.2269(A) |
| 4 1-Methylnaphthalene | 142 | 4.215 | 4.215 | (1.136) | 419135 | 50.0000 | 52.2523(A) |
| 5 Acenaphthylene | 152 | 4.710 | 4.710 | (0.982) | 814053 | 50.0000 | 52.7127(A) |
| 7 Acenaphthene | 154 | 4.821 | 4.821 | (1.005) | 480392 | 50.0000 | 50.2433(A) |
| 9 Fluorene | 166 | 5.139 | 5.139 | (1.071) | 638557 | 50.0000 | 50.0785(A) |
| 11 Phenanthrene | 178 | 5.762 | 5.762 | (1.003) | 1077014 | 50.0000 | 51.9349(A) |
| 12 Anthracene | 178 | 5.798 | 5.798 | (1.009) | 1098599 | 50.0000 | 52.2594(A) |
| 13 Carbazole | 167 | 5.904 | 5.904 | (1.028) | 948101 | 50.0000 | 52.6415(A) |
| 15 Fluoranthene | 202 | 6.598 | 6.598 | (1.148) | 1248081 | 50.0000 | 54.4959(A) |
| 16 Pyrene | 202 | 6.762 | 6.762 | (0.880) | 1360548 | 50.0000 | 51.7754(A) |
| 17 Benzo(a)anthracene | 228 | 7.680 | 7.680 | (0.999) | 1380443 | 50.0000 | 45.5615 |
| 19 Chrysene | 228 | 7.709 | 7.709 | (1.003) | 1377767 | 50.0000 | 50.9681(AH) |
| 20 Benzo(b)fluoranthene | 252 | 8.521 | 8.521 | (0.962) | 1443812 | 50.0000 | 52.5467(AH) |
| 21 Benzo(k)fluoranthene | 252 | 8.545 | 8.545 | (0.964) | 1396501 | 50.0000 | 52.5496(AH) |
| 22 Benzo(a)pyrene | 252 | 8.809 | 8.809 | (0.994) | 1403971 | 50.0000 | 54.2730(A) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 10.015 | 10.015 | (1.130) | 1242391 | 50.0000 | 50.5646(AMH) |
| 25 Dibenzo(a,h)anthracene | 278 | 10.033 | 10.033 | (1.132) | 1194691 | 50.0000 | 52.6360(A) |
| 26 Benzo(g,h,i)perylene | 276 | 10.362 | 10.362 | (1.169) | 1270187 | 50.0000 | 50.6515(AH) |

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: 1CD02011.D

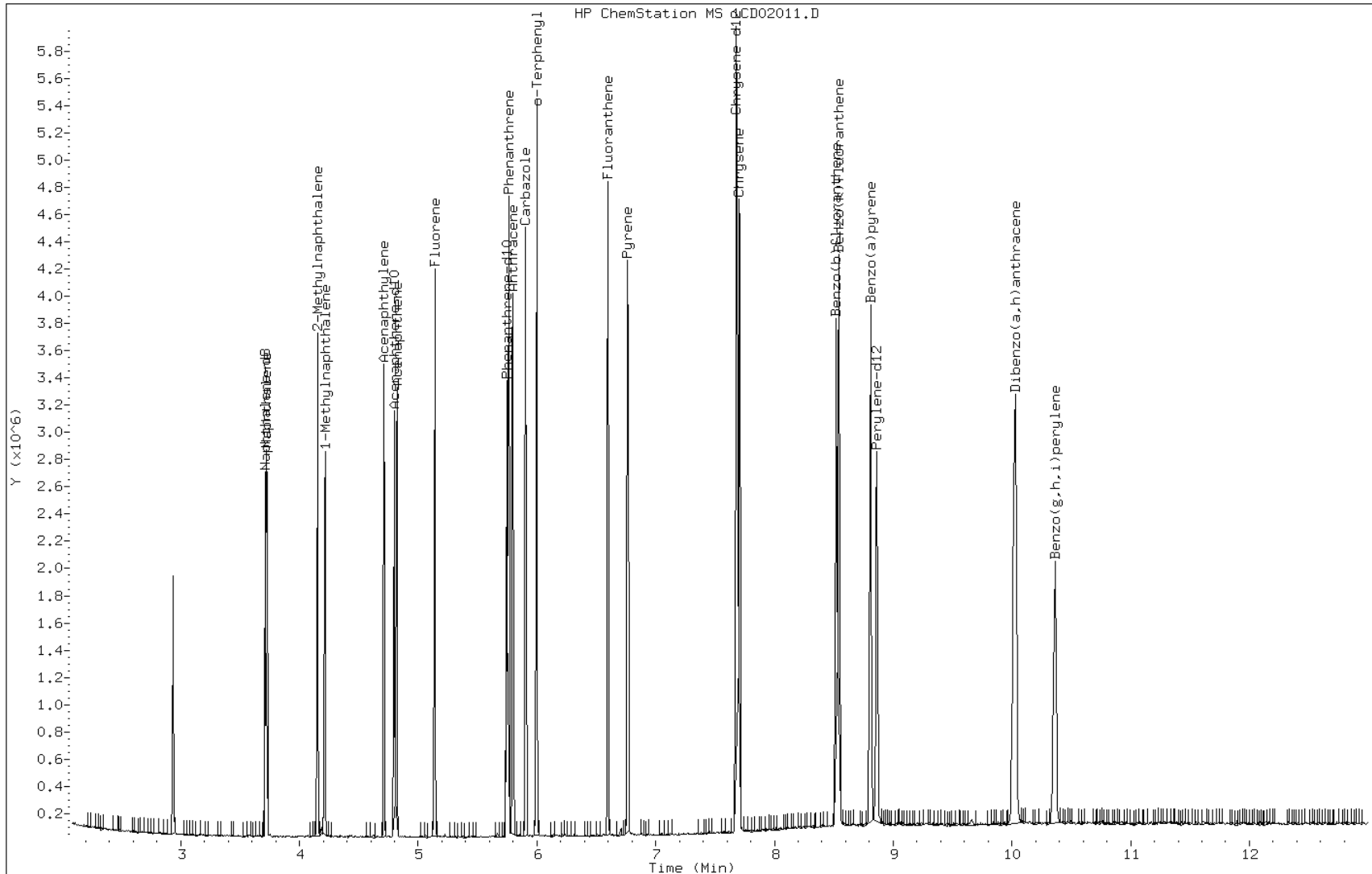
Date: 02-APR-2013 15:15

Client ID:

Instrument: BSMC5973.i

Sample Info: IC7

Operator: SCC

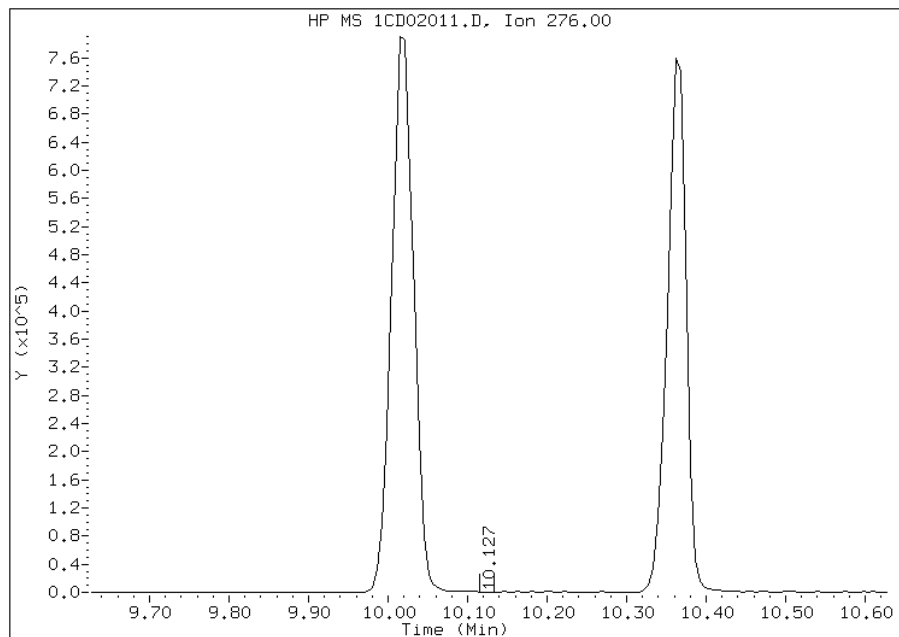


Manual Integration Report

Data File: 1CD02011.D
Inj. Date and Time: 02-APR-2013 15:15
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

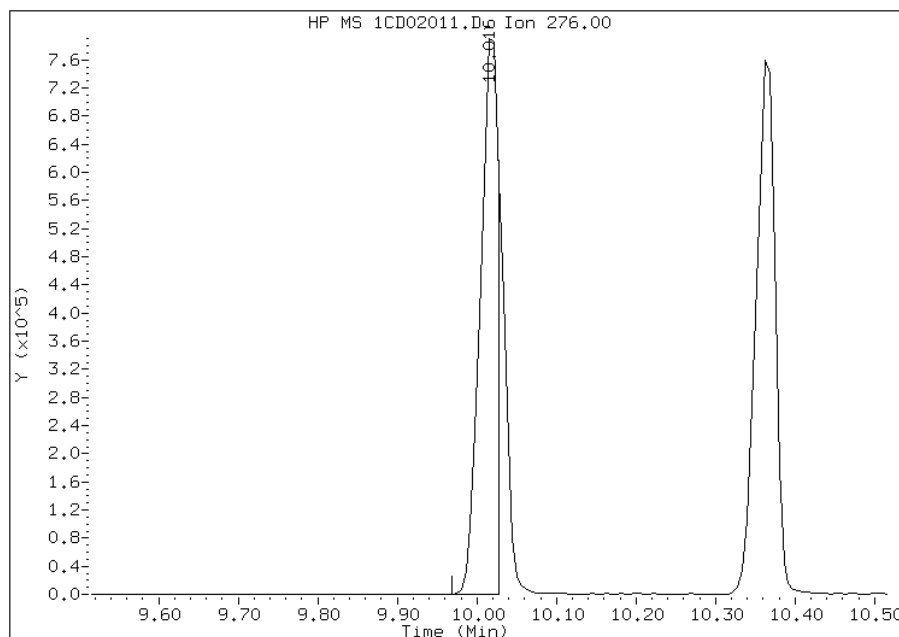
Processing Integration Results

RT: 10.13
Response: 653
Amount: 0
Conc: 0



Manual Integration Results

RT: 10.02
Response: 1242391
Amount: 51
Conc: 51



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:51
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab Sample ID: ICV 660-136269/12 Calibration Date: 04/09/2013 13:51
 Instrument ID: BSMA5973 Calib Start Date: 04/09/2013 10:31
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/09/2013 12:03
 Lab File ID: 1AD09012.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Qua | 1.164 | 1.049 | 0.0000 | 19200 | 20000 | -3.8 | 35.0 |
| 2-Methylnaphthalene | Qua | 0.6769 | 0.6602 | 0.0000 | 21200 | 20000 | 6.1 | 35.0 |
| 1-Methylnaphthalene | Qua | 0.7577 | 0.7532 | 0.0000 | 22400 | 20000 | 12.1 | 35.0 |
| Acenaphthylene | Qua | 2.305 | 2.059 | 0.0000 | 17600 | 20000 | -12.1 | 35.0 |
| Acenaphthene | Qua | 1.341 | 1.135 | 0.0000 | 18000 | 20000 | -10.2 | 35.0 |
| Fluorene | Qua | 1.676 | 1.477 | 0.0000 | 18300 | 20000 | -8.3 | 35.0 |
| Phenanthrene | Qua | 1.294 | 1.095 | 0.0000 | 18000 | 20000 | -10.1 | 35.0 |
| Anthracene | Qua | 1.308 | 1.177 | 0.0000 | 18600 | 20000 | -6.8 | 35.0 |
| Carbazole | Qua | 1.209 | 0.9261 | 0.0000 | 15300 | 20000 | -23.5 | 35.0 |
| Fluoranthene | Qua | 1.464 | 1.396 | 0.0000 | 19600 | 20000 | -1.8 | 35.0 |
| Pyrene | Ave | 1.541 | 1.486 | 0.0000 | 19300 | 20000 | -3.6 | 35.0 |
| Benzo[a]anthracene | Ave | 1.334 | 1.292 | 0.0000 | 19400 | 20000 | -3.1 | 35.0 |
| Chrysene | Ave | 1.361 | 1.219 | 0.0000 | 17900 | 20000 | -10.4 | 35.0 |
| Benzo[b]fluoranthene | Ave | 1.213 | 1.207 | 0.0000 | 19900 | 20000 | -0.4 | 35.0 |
| Benzo[k]fluoranthene | Ave | 1.347 | 1.267 | 0.0000 | 18800 | 20000 | -5.9 | 35.0 |
| Benzo[a]pyrene | Lin | 1.157 | 1.092 | 0.0000 | 18500 | 20000 | -7.3 | 35.0 |
| Indeno[1,2,3-cd]pyrene | Lin | 1.023 | 0.9921 | 0.0000 | 17600 | 20000 | -12.1 | 35.0 |
| Dibenz(a,h)anthracene | Ave | 1.011 | 1.127 | 0.0000 | 22300 | 20000 | 11.4 | 35.0 |
| Benzo[g,h,i]perylene | Ave | 1.089 | 1.068 | 0.0000 | 19600 | 20000 | -1.9 | 35.0 |
| o-Terphenyl | Qua | 0.7281 | 0.6328 | 0.0000 | 18100 | 20000 | -9.4 | 35.0 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09012.D
 Lab Smp Id: ICV-1448440
 Inj Date : 09-APR-2013 13:51
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info : RE-RUN
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE
 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 | | 2.592 | 2.591 | (1.000) | 1542771 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.628 | 3.622 | (1.000) | 886874 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.579 | 4.573 | (1.000) | 1631736 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.883 | 4.877 | (1.066) | 516312 | 18.1166 | 18.1166 | |
| * 18 Chrysene-d12 | 240 | | 6.603 | 6.597 | (1.000) | 1541115 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.692 | 7.676 | (1.000) | 1781032 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.602 | 2.602 | (1.004) | 808850 | 19.2380 | 19.2380 | |
| 3 2-Methylnaphthalene | 141 | | 3.008 | 3.008 | (1.161) | 509252 | 21.2238 | 21.2238 | |
| 4 1-Methylnaphthalene | 142 | | 3.062 | 3.062 | (1.181) | 580975 | 22.4261 | 22.4260 | |
| 5 Acenaphthylene | 152 | | 3.537 | 3.532 | (0.975) | 913033 | 17.5706 | 17.5705 | |
| 7 Acenaphthene | 154 | | 3.644 | 3.638 | (1.004) | 503207 | 17.9564 | 17.9564 | |
| 9 Fluorene | 166 | | 3.959 | 3.953 | (1.091) | 655022 | 18.3313 | 18.3312 | |
| 11 Phenanthrene | 178 | | 4.595 | 4.589 | (1.003) | 893498 | 17.9753 | 17.9753 | |
| 12 Anthracene | 178 | | 4.627 | 4.626 | (1.010) | 960125 | 18.6315 | 18.6314 | |
| 13 Carbazole | 167 | | 4.755 | 4.755 | (1.038) | 755565 | 15.2994 | 15.2993 | |
| 15 Fluoranthene | 202 | | 5.460 | 5.454 | (1.192) | 1138837 | 19.6352 | 19.6352 | |
| 16 Pyrene | 202 | | 5.625 | 5.620 | (0.852) | 1145036 | 19.2813 | 19.2813 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 17 Benzo(a)anthracene | 228 | 6.587 | 6.581 | (0.998) | 995754 | 19.3701 | 19.3700 |
| 19 Chrysene | 228 | 6.619 | 6.613 | (1.002) | 939490 | 17.9191 | 17.9191 |
| 20 Benzo(b)fluoranthene | 252 | 7.409 | 7.404 | (0.963) | 1075235 | 19.9103 | 19.9102 |
| 21 Benzo(k)fluoranthene | 252 | 7.431 | 7.425 | (0.966) | 1128299 | 18.8114 | 18.8113 |
| 22 Benzo(a)pyrene | 252 | 7.639 | 7.628 | (0.993) | 972005 | 18.5371 | 18.5371 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.467 | 8.451 | (1.101) | 883515 | 17.5805 | 17.5804 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.499 | 8.477 | (1.105) | 1003330 | 22.2828 | 22.2828 |
| 26 Benzo(g,h,i)perylene | 276 | 8.691 | 8.670 | (1.130) | 951427 | 19.6134 | 19.6134 |

Data File: 1AD09012.D

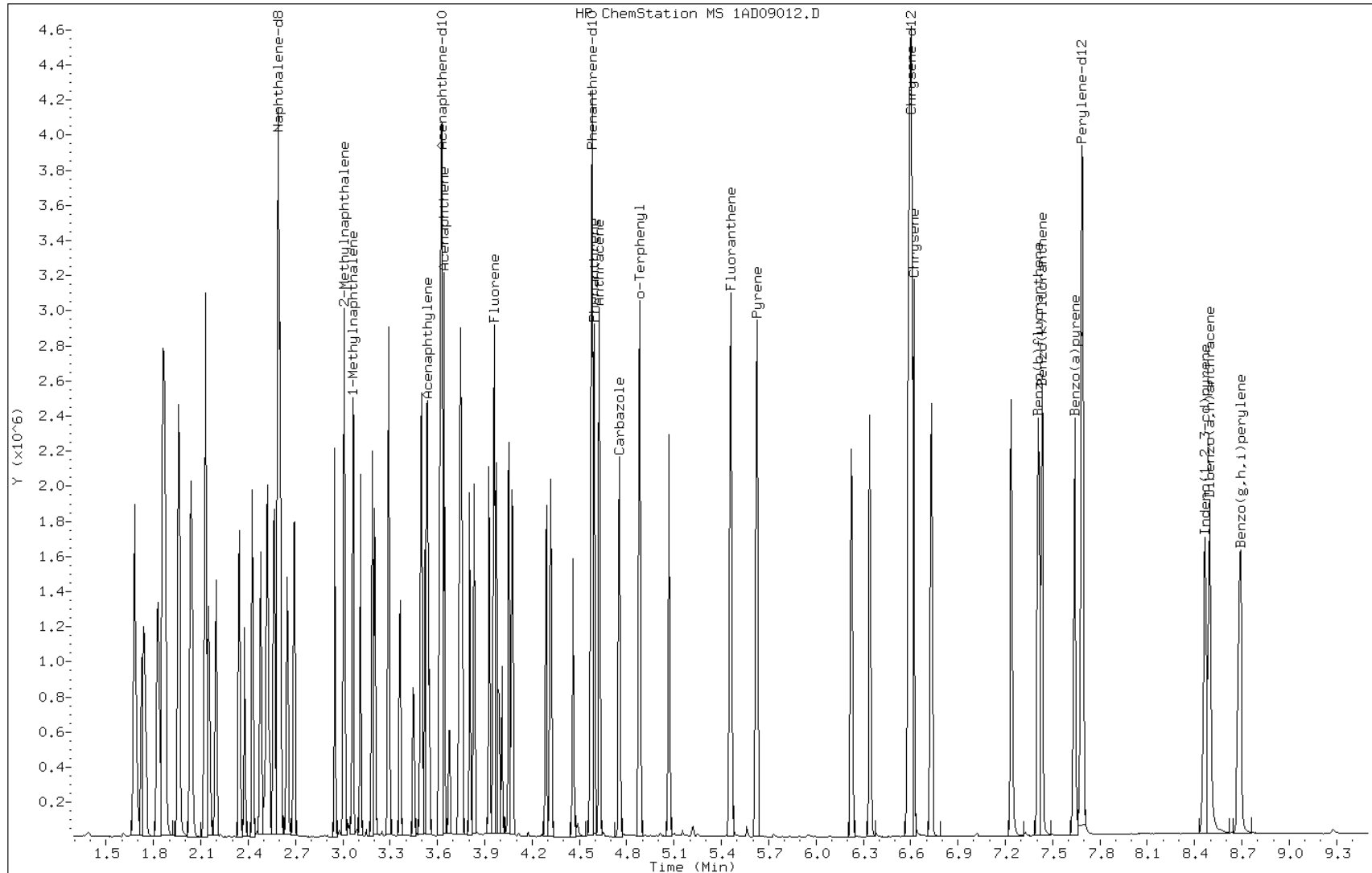
Date: 09-APR-2013 13:51

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.: 680-88811-4
 SDG No.: 68088811-4
 Lab Sample ID: CCVIS 660-136318/3 Calibration Date: 04/10/2013 12:41
 Instrument ID: BSMA5973 Calib Start Date: 04/09/2013 10:31
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/09/2013 12:03
 Lab File ID: 1AD10003.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|------|--------|
| Naphthalene | Qua | 1.164 | 1.052 | 0.0000 | 19300 | 20000 | -3.3 | 20.0 |
| 2-Methylnaphthalene | Qua | 0.6769 | 0.6014 | 0.0000 | 18700 | 20000 | -6.5 | 20.0 |
| 1-Methylnaphthalene | Qua | 0.7577 | 0.6687 | 0.0000 | 18900 | 20000 | -5.4 | 20.0 |
| Acenaphthylene | Qua | 2.305 | 2.227 | 0.0000 | 19600 | 20000 | -2.2 | 20.0 |
| Acenaphthene | Qua | 1.341 | 1.200 | 0.0000 | 19500 | 20000 | -2.5 | 20.0 |
| Fluorene | Qua | 1.676 | 1.555 | 0.0000 | 19700 | 20000 | -1.6 | 20.0 |
| Phenanthrene | Qua | 1.294 | 1.160 | 0.0000 | 19500 | 20000 | -2.7 | 20.0 |
| Anthracene | Qua | 1.308 | 1.222 | 0.0000 | 19600 | 20000 | -1.9 | 20.0 |
| Carbazole | Qua | 1.209 | 1.140 | 0.0000 | 19900 | 20000 | -0.7 | 20.0 |
| Fluoranthene | Qua | 1.464 | 1.381 | 0.0000 | 19400 | 20000 | -3.1 | 20.0 |
| Pyrene | Ave | 1.541 | 1.551 | 0.0000 | 20100 | 20000 | 0.7 | 20.0 |
| Benzo[a]anthracene | Ave | 1.334 | 1.281 | 0.0000 | 19200 | 20000 | -4.0 | 20.0 |
| Chrysene | Ave | 1.361 | 1.265 | 0.0000 | 18600 | 20000 | -7.1 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.213 | 1.315 | 0.0000 | 21700 | 20000 | 8.5 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.347 | 1.314 | 0.0000 | 19500 | 20000 | -2.5 | 20.0 |
| Benzo[a]pyrene | Lin | 1.157 | 1.259 | 0.0000 | 21500 | 20000 | 7.6 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Lin | 1.023 | 1.141 | 0.0000 | 20200 | 20000 | 0.8 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 1.011 | 1.081 | 0.0000 | 21400 | 20000 | 6.9 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.089 | 1.118 | 0.0000 | 20500 | 20000 | 2.6 | 20.0 |
| o-Terphenyl | Qua | 0.7281 | 0.6610 | 0.0000 | 19200 | 20000 | -4.1 | 20.0 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 10-APR-2013 12:41
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 3 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/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 2.584 | 2.584 | (1.000) | 1583411 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 3.615 | 3.615 | (1.000) | 832961 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 4.571 | 4.571 | (1.000) | 1461417 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 4.870 | 4.870 | (1.065) | 482994 | 20.0000 | 19.1758 |
| * 18 Chrysene-d12 | 240 | 6.584 | 6.584 | (1.000) | 1381890 | 40.0000 | |
| * 23 Perylene-d12 | 264 | 7.663 | 7.663 | (1.000) | 1422554 | 40.0000 | |
| 2 Naphthalene | 128 | 2.600 | 2.600 | (1.006) | 833207 | 20.0000 | 19.3353 |
| 3 2-Methylnaphthalene | 141 | 3.000 | 3.000 | (1.161) | 476134 | 20.0000 | 18.7024 |
| 4 1-Methylnaphthalene | 142 | 3.059 | 3.059 | (1.184) | 529403 | 20.0000 | 18.9135 |
| 5 Acenaphthylene | 152 | 3.524 | 3.524 | (0.975) | 927332 | 20.0000 | 19.5564 |
| 7 Acenaphthene | 154 | 3.636 | 3.636 | (1.006) | 499673 | 20.0000 | 19.5068 |
| 9 Fluorene | 166 | 3.951 | 3.951 | (1.093) | 647759 | 20.0000 | 19.6880 |
| 11 Phenanthrene | 178 | 4.581 | 4.581 | (1.002) | 847544 | 20.0000 | 19.4525 |
| 12 Anthracene | 178 | 4.619 | 4.619 | (1.011) | 892841 | 20.0000 | 19.6270 |
| 13 Carbazole | 167 | 4.747 | 4.747 | (1.039) | 833119 | 20.0000 | 19.8517 |
| 15 Fluoranthene | 202 | 5.447 | 5.447 | (1.192) | 1008907 | 20.0000 | 19.3715 |
| 16 Pyrene | 202 | 5.612 | 5.612 | (0.852) | 1071930 | 20.0000 | 20.1300 |
| 17 Benzo(a)anthracene | 228 | 6.574 | 6.574 | (0.998) | 885389 | 20.0000 | 19.2076 |
| 19 Chrysene | 228 | 6.606 | 6.606 | (1.003) | 873940 | 20.0000 | 18.5894 |
| 20 Benzo(b)fluoranthene | 252 | 7.391 | 7.391 | (0.964) | 935590 | 20.0000 | 21.6901 |
| 21 Benzo(k)fluoranthene | 252 | 7.412 | 7.412 | (0.967) | 934646 | 20.0000 | 19.5095 |
| 22 Benzo(a)pyrene | 252 | 7.615 | 7.615 | (0.994) | 895373 | 20.0000 | 21.5202 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.427 | 8.427 | (1.100) | 811444 | 20.0000 | 20.1552 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.459 | 8.459 | (1.104) | 768781 | 20.0000 | 21.3762 |
| 26 Benzo(g,h,i)perylene | 276 | 8.651 | 8.651 | (1.129) | 794869 | 20.0000 | 20.5152 |

Data File: 1AD10003.D

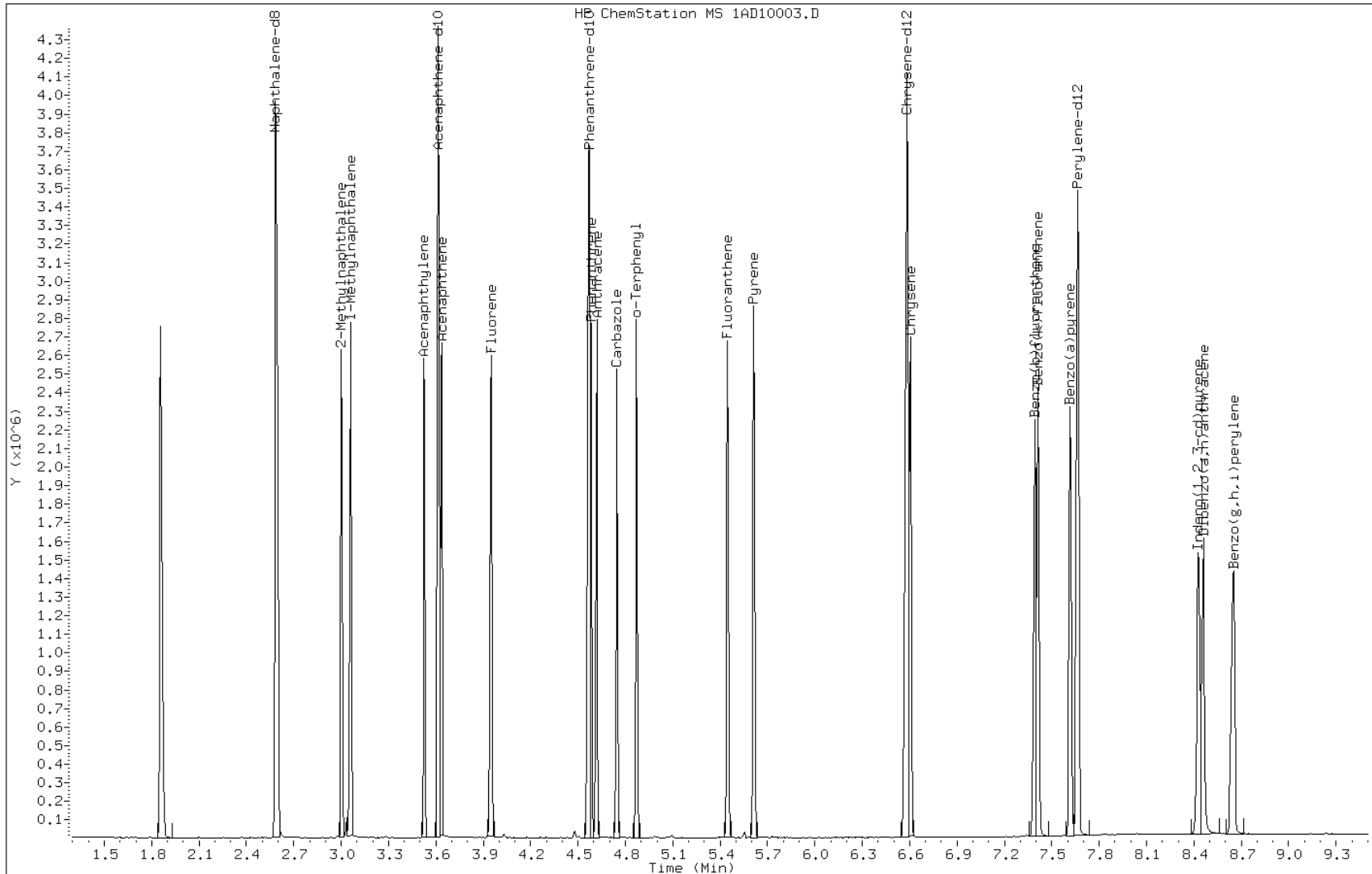
Date: 10-APR-2013 12:41

Client ID:

Instrument: BSMA5973.i

Sample Info: CCVIS-1531401

Operator: SCC



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab Sample ID: ICV 660-136048/12 Calibration Date: 04/02/2013 15:34
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD02012.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Ave | 1.027 | 0.9549 | 0.0000 | 18600 | 20000 | -7.1 | 35.0 |
| 2-Methylnaphthalene | Ave | 0.6994 | 0.5884 | 0.0000 | 16800 | 20000 | -15.9 | 35.0 |
| 1-Methylnaphthalene | Ave | 0.6293 | 0.5998 | 0.0000 | 19100 | 20000 | -4.7 | 35.0 |
| Acenaphthylene | Ave | 1.656 | 1.493 | 0.0000 | 18000 | 20000 | -9.8 | 35.0 |
| Acenaphthene | Lin | 1.025 | 0.8508 | 0.0000 | 16600 | 20000 | -17.0 | 35.0 |
| Fluorene | Ave | 1.367 | 1.209 | 0.0000 | 17700 | 20000 | -11.5 | 35.0 |
| Phenanthrene | Ave | 1.165 | 0.9563 | 0.0000 | 16400 | 20000 | -17.9 | 35.0 |
| Anthracene | Ave | 1.181 | 0.9425 | 0.0000 | 16000 | 20000 | -20.2 | 35.0 |
| Carbazole | Ave | 1.012 | 0.8775 | 0.0000 | 17300 | 20000 | -13.3 | 35.0 |
| Fluoranthene | Ave | 1.287 | 1.100 | 0.0000 | 17100 | 20000 | -14.5 | 35.0 |
| Pyrene | Ave | 1.108 | 0.8708 | 0.0000 | 15700 | 20000 | -21.4 | 35.0 |
| Benzo[a]anthracene | Lin | 1.278 | 0.9658 | 0.0000 | 16800 | 20000 | -16.0 | 35.0 |
| Chrysene | Ave | 1.140 | 0.8716 | 0.0000 | 15300 | 20000 | -23.5 | 35.0 |
| Benzo[b]fluoranthene | Ave | 1.131 | 0.8920 | 0.0000 | 15800 | 20000 | -21.1 | 35.0 |
| Benzo[k]fluoranthene | Ave | 1.094 | 0.8978 | 0.0000 | 16400 | 20000 | -17.9 | 35.0 |
| Benzo[a]pyrene | Ave | 1.065 | 0.8060 | 0.0000 | 15100 | 20000 | -24.3 | 35.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.011 | 0.8744 | 0.0000 | 17300 | 20000 | -13.5 | 35.0 |
| Dibenz(a,h)anthracene | Ave | 0.9341 | 0.8626 | 0.0000 | 18500 | 20000 | -7.7 | 35.0 |
| Benzo[g,h,i]perylene | Ave | 1.032 | 0.8592 | 0.0000 | 16600 | 20000 | -16.8 | 35.0 |
| o-Terphenyl | Lin | 0.6233 | 0.5049 | 0.0000 | 16200 | 20000 | -19.0 | 35.0 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02012.D
 Lab Smp Id: ICV-1448440
 Inj Date : 02-APR-2013 15:34
 Operator : SCC
 Smp Info : ICV-1448440
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\a-bFASTPAHi-m.m
 Meth Date : 02-Apr-2013 15:55 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 12 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Inst ID: BSMC5973.i
 Compound Sublist: pah.sub

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 | 3.710 | 3.710 | (1.000) | 649122 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | 4.798 | 4.798 | (1.000) | 500935 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | 5.745 | 5.745 | (1.000) | 955391 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | 5.998 | 5.998 | (1.044) | 241169 | 16.1906 | 16.1906 | |
| * 18 Chrysene-d12 | 240 | 7.686 | 7.686 | (1.000) | 1249690 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | 8.856 | 8.863 | (1.000) | 1306409 | 40.0000 | | |
| 2 Naphthalene | 128 | 3.727 | 3.728 | (1.005) | 309919 | 18.5886 | 18.5885 | |
| 3 2-Methylnaphthalene | 142 | 4.151 | 4.151 | (1.119) | 190970 | 16.8266 | 16.8266 | |
| 4 1-Methylnaphthalene | 142 | 4.216 | 4.216 | (1.136) | 194664 | 19.0620 | 19.0620 | |
| 5 Acenaphthylene | 152 | 4.710 | 4.710 | (0.982) | 373939 | 18.0364 | 18.0363 | |
| 7 Acenaphthene | 154 | 4.821 | 4.822 | (1.005) | 213089 | 16.5944 | 16.5943 | |
| 9 Fluorene | 166 | 5.139 | 5.139 | (1.071) | 302875 | 17.6930 | 17.6929 | |
| 11 Phenanthrene | 178 | 5.763 | 5.763 | (1.003) | 456841 | 16.4181 | 16.4181 | |
| 12 Anthracene | 178 | 5.798 | 5.798 | (1.009) | 450208 | 15.9610 | 15.9609 | |
| 13 Carbazole | 167 | 5.904 | 5.904 | (1.028) | 419186 | 17.3461 | 17.3460 | |
| 15 Fluoranthene | 202 | 6.598 | 6.598 | (1.148) | 525545 | 17.1022 | 17.1021 | |
| 16 Pyrene | 202 | 6.763 | 6.763 | (0.880) | 544110 | 15.7178 | 15.7178 | |
| 17 Benzo(a)anthracene | 228 | 7.680 | 7.680 | (0.999) | 603470 | 16.8016 | 16.8016 | |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/l) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 19 Chrysene | 228 | 7.704 | 7.710 | (1.002) | 544600 | 15.2932 | 15.2931 |
| 20 Benzo(b)fluoranthene | 252 | 8.515 | 8.522 | (0.961) | 582649 | 15.7757 | 15.7757 |
| 21 Benzo(k)fluoranthene | 252 | 8.539 | 8.545 | (0.964) | 586474 | 16.4181 | 16.4181 |
| 22 Benzo(a)pyrene | 252 | 8.804 | 8.810 | (0.994) | 526495 | 15.1414 | 15.1414 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 10.009 | 10.016 | (1.130) | 571166 | 17.2941 | 17.2940(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 10.021 | 10.033 | (1.131) | 563427 | 18.4677 | 18.4676 |
| 26 Benzo(g,h,i)perylene | 276 | 10.351 | 10.363 | (1.169) | 561199 | 16.6490 | 16.6490 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD02012.D

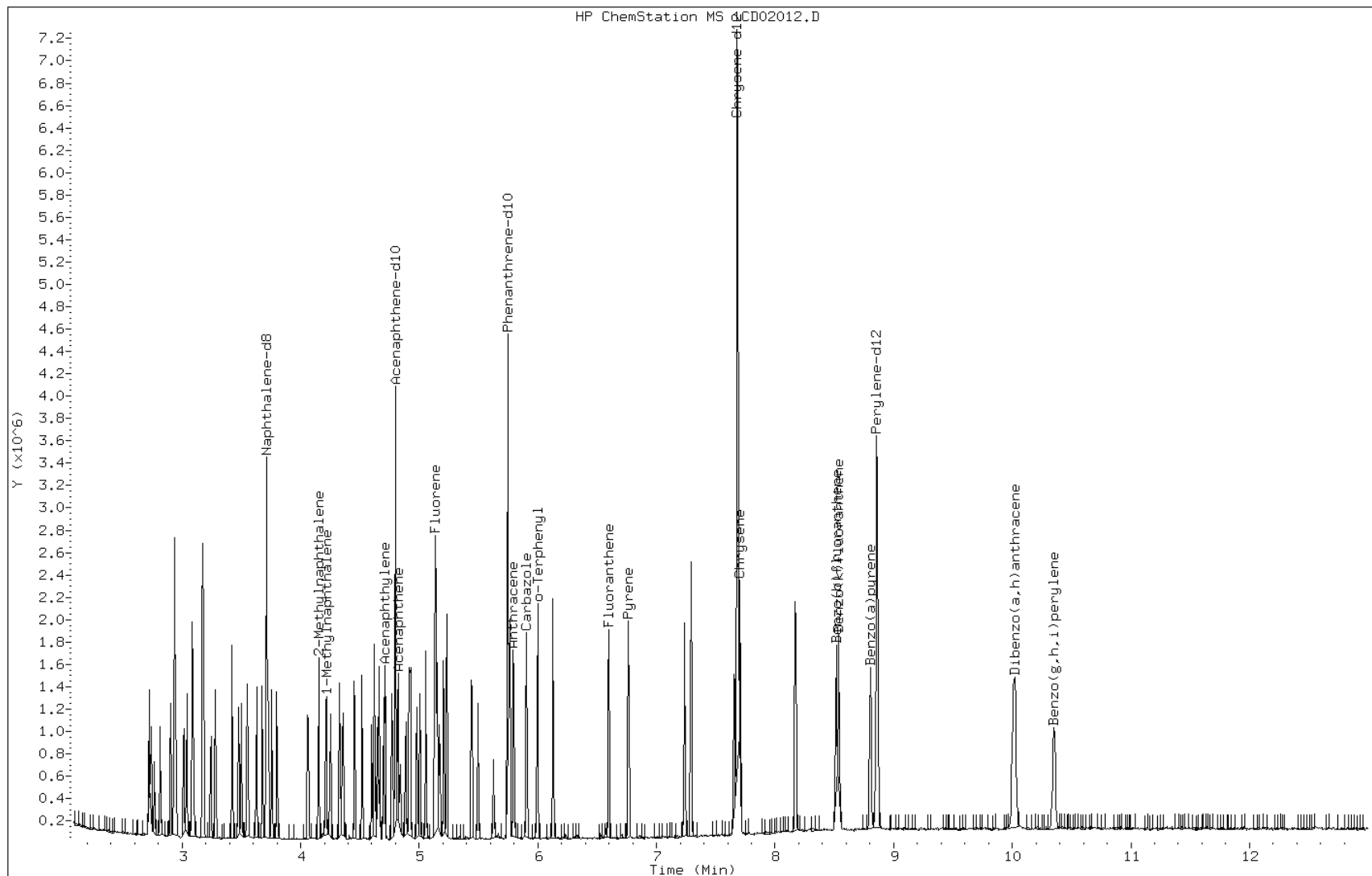
Date: 02-APR-2013 15:34

Client ID:

Instrument: BSMC5973.i

Sample Info: ICV-1448440

Operator: SCC

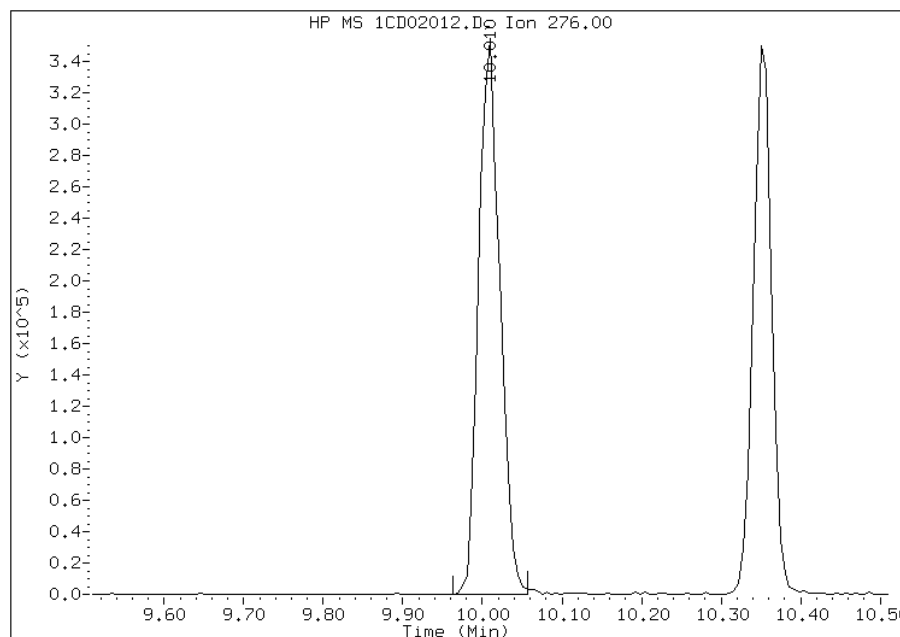


Manual Integration Report

Data File: 1CD02012.D
Inj. Date and Time: 02-APR-2013 15:34
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/02/2013

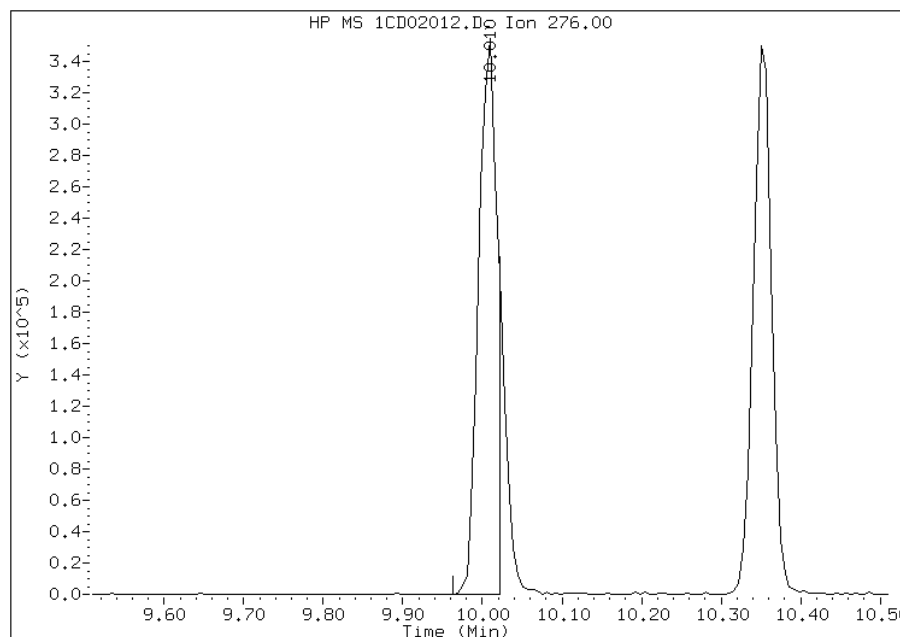
Processing Integration Results

RT: 10.01
Response: 653584
Amount: 20
Conc: 20



Manual Integration Results

RT: 10.01
Response: 571166
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 02-Apr-2013 15:57
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Lab Sample ID: CCVIS 660-136309/3 Calibration Date: 04/10/2013 12:10
 Instrument ID: BSMC5973 Calib Start Date: 04/02/2013 13:26
 GC Column: DB-5MS ID: 250.00 (um) Calib End Date: 04/02/2013 15:15
 Lab File ID: 1CD10003.D Conc. Units: ug/Kg

| ANALYTE | CURVE TYPE | AVE RRF | RRF | MIN RRF | CALC AMOUNT | SPIKE AMOUNT | %D | MAX %D |
|------------------------|------------|---------|--------|---------|-------------|--------------|-------|--------|
| Naphthalene | Ave | 1.027 | 0.996 | 0.0000 | 19400 | 20000 | -3.1 | 20.0 |
| 2-Methylnaphthalene | Ave | 0.6994 | 0.6277 | 0.0000 | 18000 | 20000 | -10.2 | 20.0 |
| 1-Methylnaphthalene | Ave | 0.6293 | 0.6353 | 0.0000 | 20200 | 20000 | 1.0 | 20.0 |
| Acenaphthylene | Ave | 1.656 | 1.700 | 0.0000 | 20500 | 20000 | 2.7 | 20.0 |
| Acenaphthene | Lin | 1.025 | 1.110 | 0.0000 | 21700 | 20000 | 8.3 | 20.0 |
| Fluorene | Ave | 1.367 | 1.302 | 0.0000 | 19100 | 20000 | -4.7 | 20.0 |
| Phenanthrene | Ave | 1.165 | 1.213 | 0.0000 | 20800 | 20000 | 4.2 | 20.0 |
| Anthracene | Ave | 1.181 | 1.261 | 0.0000 | 21300 | 20000 | 6.7 | 20.0 |
| Carbazole | Ave | 1.012 | 1.032 | 0.0000 | 20400 | 20000 | 2.0 | 20.0 |
| Fluoranthene | Ave | 1.287 | 1.335 | 0.0000 | 20800 | 20000 | 3.8 | 20.0 |
| Pyrene | Ave | 1.108 | 1.109 | 0.0000 | 20000 | 20000 | 0.0 | 20.0 |
| Benzo[a]anthracene | Lin | 1.278 | 1.088 | 0.0000 | 18900 | 20000 | -5.4 | 20.0 |
| Chrysene | Ave | 1.140 | 1.090 | 0.0000 | 19100 | 20000 | -4.4 | 20.0 |
| Benzo[b]fluoranthene | Ave | 1.131 | 1.154 | 0.0000 | 20400 | 20000 | 2.0 | 20.0 |
| Benzo[k]fluoranthene | Ave | 1.094 | 1.129 | 0.0000 | 20600 | 20000 | 3.2 | 20.0 |
| Benzo[a]pyrene | Ave | 1.065 | 1.093 | 0.0000 | 20500 | 20000 | 2.7 | 20.0 |
| Indeno[1,2,3-cd]pyrene | Ave | 1.011 | 0.8567 | 0.0000 | 16900 | 20000 | -15.3 | 20.0 |
| Dibenz(a,h)anthracene | Ave | 0.9341 | 0.9587 | 0.0000 | 20500 | 20000 | 2.6 | 20.0 |
| Benzo[g,h,i]perylene | Ave | 1.032 | 1.029 | 0.0000 | 19900 | 20000 | -0.3 | 20.0 |
| o-Terphenyl | Lin | 0.6233 | 0.6564 | 0.0000 | 20800 | 20000 | 4.2 | 20.0 |

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsrv\chem\SM\BSMC5973.i\1C041013.b\1CD10003.D
 Lab Smp Id: CCVIS-1531401
 Inj Date : 10-APR-2013 12:10
 Operator : SCC
 Smp Info : CCVIS-1531401
 Misc Info :
 Comment :
 Method : \\tam-chemsrv\chem\SM\BSMC5973.i\1C041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:25 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 3 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/ml) | ON-COL (ug/ml) |
| * 1 Naphthalene-d8 | 136 | 3.680 | 3.680 | (1.000) | 324897 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | 4.768 | 4.768 | (1.000) | 222702 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | 5.710 | 5.710 | (1.000) | 427547 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | 5.963 | 5.963 | (1.044) | 140327 | 20.0000 | 20.8335 |
| * 18 Chrysene-d12 | 240 | 7.645 | 7.645 | (1.000) | 562910 | 40.0000 | (H) |
| * 23 Perylene-d12 | 264 | 8.809 | 8.809 | (1.000) | 541225 | 40.0000 | (H) |
| 2 Naphthalene | 128 | 3.692 | 3.692 | (1.003) | 161745 | 20.0000 | 19.3824 |
| 3 2-Methylnaphthalene | 142 | 4.121 | 4.121 | (1.120) | 101969 | 20.0000 | 17.9506 |
| 4 1-Methylnaphthalene | 142 | 4.180 | 4.180 | (1.136) | 103201 | 20.0000 | 20.1905 |
| 5 Acenaphthylene | 152 | 4.680 | 4.680 | (0.981) | 189256 | 20.0000 | 20.5331 |
| 7 Acenaphthene | 154 | 4.786 | 4.786 | (1.004) | 123651 | 20.0000 | 21.6598 |
| 9 Fluorene | 166 | 5.104 | 5.104 | (1.070) | 145008 | 20.0000 | 19.0540 |
| 11 Phenanthrene | 178 | 5.727 | 5.727 | (1.003) | 259408 | 20.0000 | 20.8323 |
| 12 Anthracene | 178 | 5.763 | 5.763 | (1.009) | 269479 | 20.0000 | 21.3485 |
| 13 Carbazole | 167 | 5.868 | 5.868 | (1.028) | 220592 | 20.0000 | 20.3977 |
| 15 Fluoranthene | 202 | 6.557 | 6.557 | (1.148) | 285476 | 20.0000 | 20.7591 |
| 16 Pyrene | 202 | 6.727 | 6.727 | (0.880) | 311994 | 20.0000 | 20.0085(H) |
| 17 Benzo(a)anthracene | 228 | 7.639 | 7.639 | (0.999) | 306247 | 20.0000 | 18.9119(H) |
| 19 Chrysene | 228 | 7.668 | 7.668 | (1.003) | 306644 | 20.0000 | 19.1168(H) |
| 20 Benzo(b)fluoranthene | 252 | 8.474 | 8.474 | (0.962) | 312222 | 20.0000 | 20.4054(H) |
| 21 Benzo(k)fluoranthene | 252 | 8.498 | 8.498 | (0.965) | 305560 | 20.0000 | 20.6477(H) |
| 22 Benzo(a)pyrene | 252 | 8.756 | 8.756 | (0.994) | 295893 | 20.0000 | 20.5403(H) |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.939 | 9.939 | (1.128) | 231826 | 20.0000 | 16.9433(MH) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.950 | 9.950 | (1.130) | 259424 | 20.0000 | 20.5251(H) |
| 26 Benzo(g,h,i)perylene | 276 | 10.280 | 10.280 | (1.167) | 278380 | 20.0000 | 19.9347(H) |

QC Flag Legend

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

Data File: 1CD10003.D

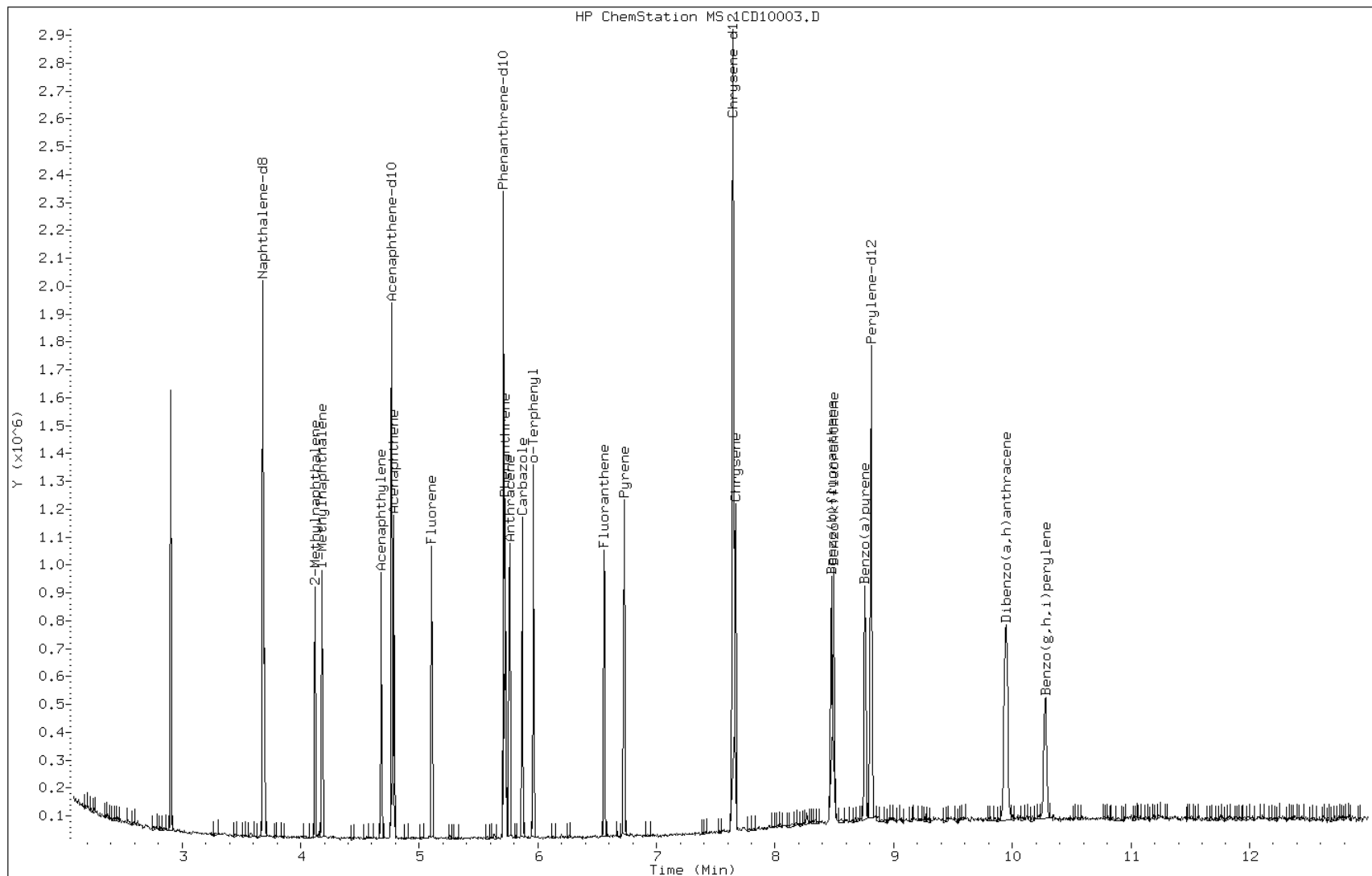
Date: 10-APR-2013 12:10

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1531401

Operator: SCC

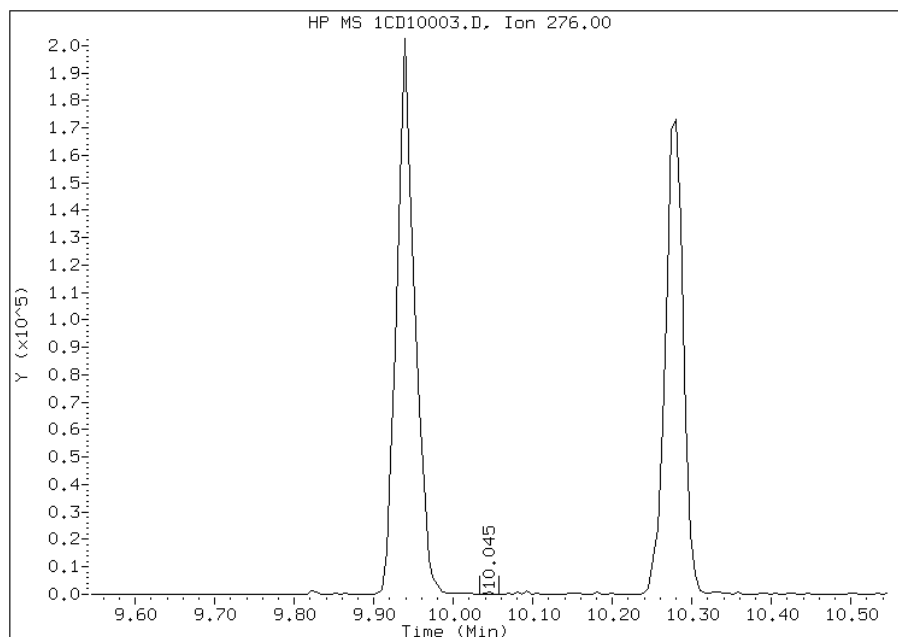


Manual Integration Report

Data File: 1CD10003.D
Inj. Date and Time: 10-APR-2013 12:10
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

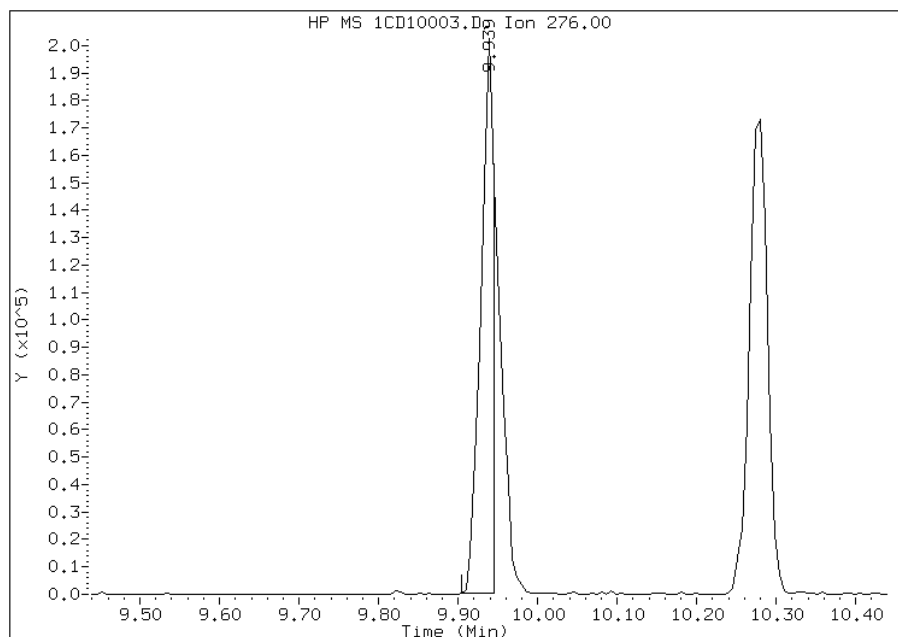
Processing Integration Results

RT: 10.05
Response: 517
Amount: 0
Conc: 0



Manual Integration Results

RT: 9.94
Response: 231826
Amount: 17
Conc: 17



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 12:26
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913.b\1AD09002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 09-APR-2013 10:18
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : DFTPP-1465456
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913.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 | | | | |
| 4.953 | 4.963 | -0.010 | 198 | 207040 | | | 50.00- | 0.00 | 100.00 |
| 4.953 | 4.963 | -0.010 | 51 | 46512 | | | 10.00- | 80.00 | 22.47 |
| 4.953 | 4.963 | -0.010 | 68 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 4.953 | 4.963 | -0.010 | 69 | 50000 | | | 0.00- | 0.00 | 24.15 |
| 4.953 | 4.963 | -0.010 | 70 | 472 | | | 0.00- | 2.00 | 0.94 |
| 4.953 | 4.963 | -0.010 | 127 | 74616 | | | 10.00- | 80.00 | 36.04 |
| 4.953 | 4.963 | -0.010 | 197 | 0 | 0.0 | 0.0 | 0.00- | 2.00 | 0.00 |
| 4.953 | 4.963 | -0.010 | 442 | 168320 | | | 50.00- | 0.00 | 81.30 |
| 4.953 | 4.963 | -0.010 | 199 | 12235 | | | 5.00- | 9.00 | 5.91 |
| 4.953 | 4.963 | -0.010 | 275 | 48480 | | | 10.00- | 60.00 | 23.42 |
| 4.953 | 4.963 | -0.010 | 365 | 4887 | | | 1.00- | 0.00 | 2.36 |
| 4.953 | 4.963 | -0.010 | 441 | 22920 | | | 0.01- | 99.99 | 66.29 |
| 4.953 | 4.963 | -0.010 | 443 | 34576 | | | 15.00- | 24.00 | 20.54 |

Data File: 1AD09002.D

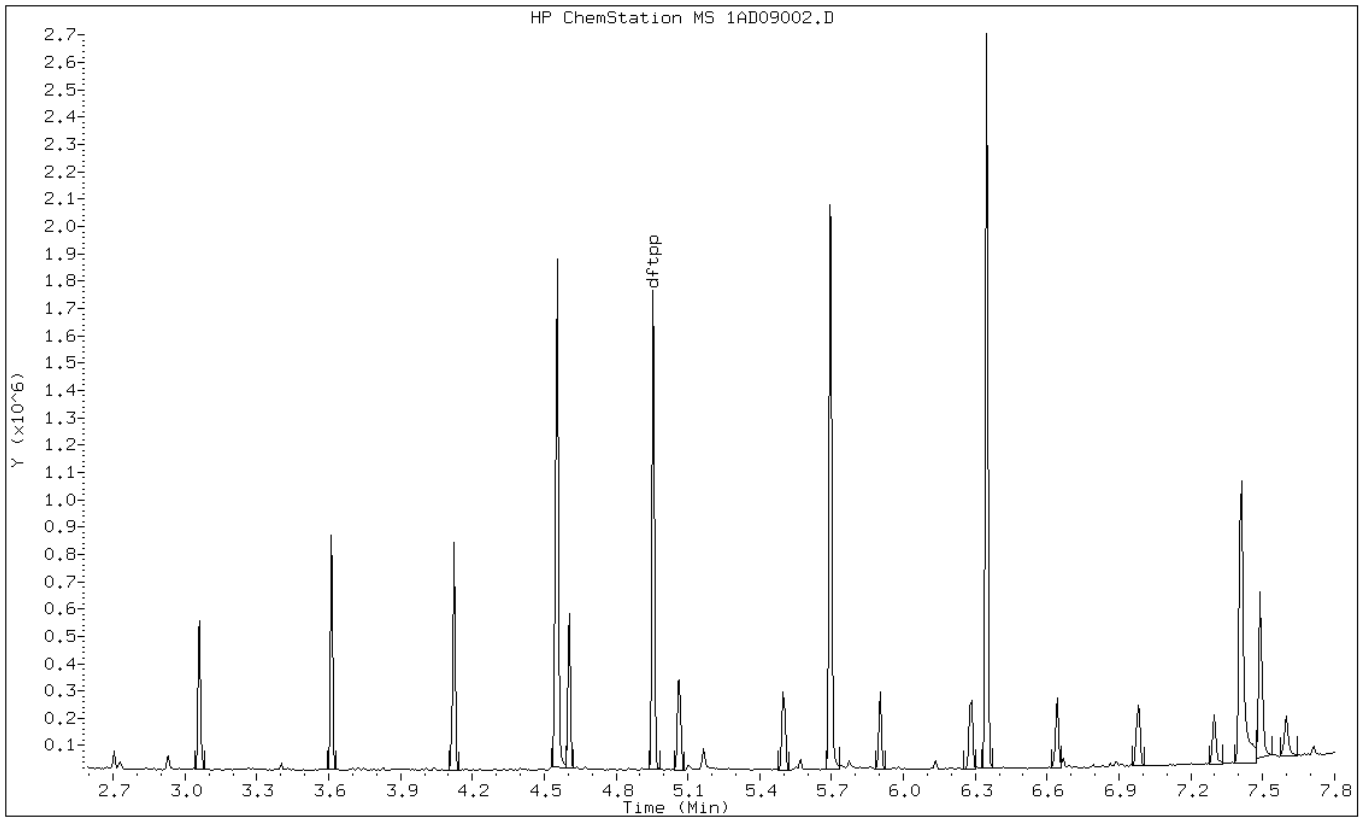
Date: 09-APR-2013 10:18

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

Operator: SCC



Data File: 1AD09002.D

Date: 09-APR-2013 10:18

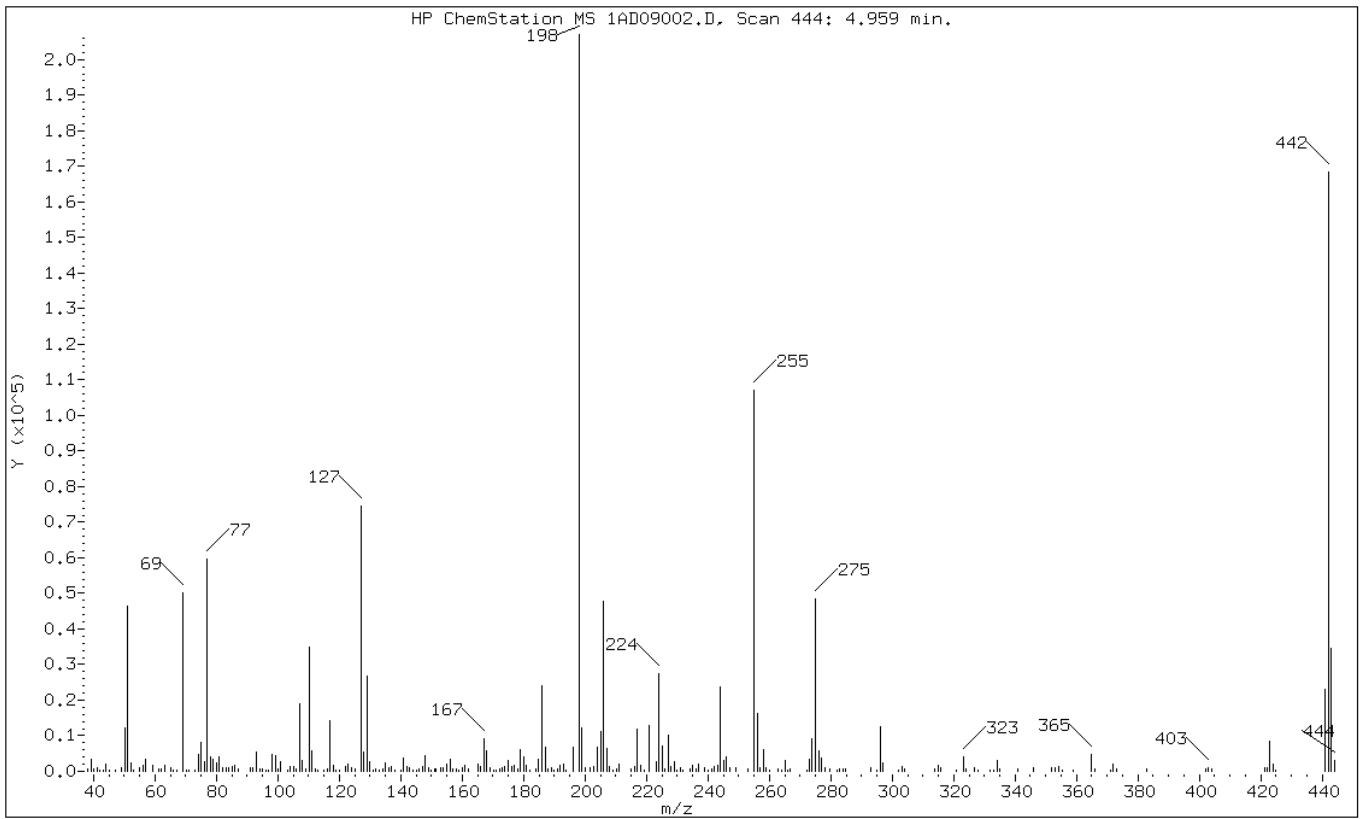
Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

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 | 22.47 |
| 68 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 69 | Mass 69 relative abundance | 24.15 |
| 70 | Less than 2.00% of mass 69 | 0.23 (0.94) |
| 127 | 10.00 - 80.00% of mass 198 | 36.04 |
| 197 | Less than 2.00% of mass 198 | 0.00 |
| 442 | Greater than 50.00% of mass 198 | 81.30 |
| 199 | 5.00 - 9.00% of mass 198 | 5.91 |
| 275 | 10.00 - 60.00% of mass 198 | 23.42 |
| 365 | Greater than 1.00% of mass 198 | 2.36 |
| 441 | Present, but less than mass 443 | 11.07 |
| 443 | 15.00 - 24.00% of mass 442 | 16.70 (20.54) |

Data File: 1AD09002.D

Date: 09-APR-2013 10:18

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09002.D

Spectrum: HP ChemStation MS 1AD09002.D, Scan 444: 4.959 min.

Location of Maximum: 197.95

Number of points: 250

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|--------|--------|-------|
| 38.05 | 716 | 113.05 | 287 | 182.05 | 412 | 262.85 | 837 |
| 39.05 | 3288 | 114.95 | 260 | 184.05 | 685 | 264.05 | 262 |
| 40.05 | 637 | 116.05 | 786 | 184.95 | 3245 | 265.05 | 3085 |
| 41.05 | 905 | 116.95 | 14104 | 186.05 | 23952 | 265.85 | 489 |
| 42.05 | 268 | 118.05 | 1553 | 187.05 | 6730 | 266.75 | 708 |
| 43.05 | 372 | 118.95 | 395 | 188.05 | 796 | 272.05 | 305 |
| 44.05 | 1930 | 120.05 | 285 | 188.95 | 1066 | 273.05 | 3273 |
| 44.95 | 258 | 121.95 | 1391 | 189.95 | 280 | 273.95 | 9212 |
| 46.95 | 393 | 122.95 | 1965 | 190.95 | 573 | 275.05 | 48480 |
| 49.05 | 1184 | 124.05 | 1110 | 191.95 | 1637 | 276.05 | 5837 |
| 50.05 | 12192 | 125.05 | 831 | 193.05 | 2179 | 276.95 | 3876 |
| 51.05 | 46512 | 127.05 | 74616 | 193.95 | 497 | 277.95 | 1024 |
| 52.05 | 2262 | 127.95 | 5504 | 195.95 | 6847 | 279.85 | 594 |
| 53.05 | 279 | 128.95 | 26800 | 197.95 | 207040 | 281.85 | 271 |
| 55.05 | 1000 | 129.95 | 2867 | 198.95 | 12235 | 282.95 | 548 |
| 55.95 | 1734 | 131.05 | 338 | 199.95 | 1104 | 284.05 | 517 |
| 57.05 | 3403 | 131.95 | 684 | 201.65 | 899 | 284.95 | 801 |
| 59.05 | 1740 | 132.85 | 258 | 202.95 | 1200 | 292.95 | 878 |
| 61.05 | 739 | 134.05 | 809 | 204.05 | 6764 | 295.05 | 344 |
| 62.05 | 522 | 135.05 | 2363 | 205.05 | 11191 | 296.05 | 12678 |
| 63.05 | 1818 | 136.05 | 1098 | 206.05 | 47720 | 296.95 | 2210 |
| 65.05 | 1123 | 137.05 | 1494 | 207.05 | 6373 | 302.05 | 310 |
| 65.95 | 318 | 137.95 | 318 | 207.85 | 1394 | 303.05 | 1513 |
| 67.05 | 258 | 139.95 | 460 | 209.05 | 500 | 304.15 | 584 |
| 68.95 | 50000 | 140.95 | 3721 | 210.15 | 811 | 313.95 | 775 |
| 70.05 | 472 | 141.95 | 1508 | 210.95 | 1866 | 315.05 | 1532 |
| 71.05 | 503 | 142.95 | 1111 | 214.95 | 556 | 315.95 | 902 |
| 73.05 | 334 | 143.85 | 325 | 215.95 | 1398 | 321.05 | 496 |
| 74.05 | 4653 | 144.95 | 415 | 216.95 | 11927 | 323.05 | 4111 |
| 74.95 | 8058 | 146.05 | 703 | 217.95 | 1708 | 324.05 | 642 |
| 76.05 | 2567 | 147.05 | 1463 | 219.15 | 316 | 326.95 | 983 |
| 77.05 | 59696 | 148.05 | 4281 | 220.95 | 12964 | 327.95 | 328 |
| 78.05 | 3995 | 148.95 | 1163 | 223.05 | 2625 | 331.95 | 344 |
| 78.95 | 3445 | 149.95 | 396 | 224.05 | 27368 | 332.95 | 287 |
| 80.05 | 2409 | 151.05 | 565 | 225.05 | 7203 | 334.05 | 3031 |
| 80.95 | 4123 | 151.55 | 529 | 226.05 | 731 | 335.05 | 755 |
| 82.05 | 985 | 152.95 | 1127 | 226.95 | 10124 | 341.05 | 710 |
| 83.05 | 1159 | 153.95 | 1150 | 227.95 | 1439 | 346.05 | 1051 |
| 84.05 | 1102 | 154.95 | 2133 | 228.95 | 2725 | 351.95 | 1046 |
| 84.95 | 1190 | 156.05 | 3267 | 229.95 | 337 | 352.95 | 987 |

| | | | | | | | |
|--------|-------|--------|------|--------|--------|--------|--------|
| 85.95 | 1589 | 156.95 | 716 | 231.05 | 1113 | 354.05 | 1367 |
| 86.95 | 702 | 157.95 | 686 | 231.95 | 309 | 355.25 | 323 |
| 91.05 | 1159 | 158.95 | 503 | 234.05 | 655 | 359.05 | 283 |
| 91.95 | 1117 | 159.95 | 1137 | 234.95 | 1534 | 364.95 | 4887 |
| 93.05 | 5493 | 160.95 | 1704 | 236.05 | 555 | 365.85 | 758 |
| 93.95 | 622 | 161.85 | 622 | 236.95 | 1870 | 371.05 | 319 |
| 95.05 | 687 | 164.95 | 1932 | 238.85 | 1158 | 372.05 | 1941 |
| 95.95 | 441 | 165.95 | 1214 | 239.95 | 391 | 373.05 | 662 |
| 97.05 | 360 | 166.95 | 9057 | 241.05 | 760 | 382.95 | 678 |
| 98.05 | 4781 | 167.95 | 5863 | 242.05 | 1486 | 401.95 | 764 |
| 99.05 | 4415 | 168.95 | 1139 | 243.05 | 1685 | 403.05 | 1155 |
| 99.95 | 565 | 170.05 | 417 | 244.05 | 23608 | 403.95 | 514 |
| 100.95 | 2650 | 171.05 | 489 | 245.05 | 3079 | 421.15 | 888 |
| 103.05 | 440 | 172.05 | 688 | 246.05 | 4078 | 421.95 | 1036 |
| 103.95 | 1377 | 172.95 | 974 | 246.95 | 915 | 423.05 | 8420 |
| 104.95 | 1463 | 173.95 | 1504 | 249.05 | 1030 | 423.95 | 1901 |
| 105.95 | 617 | 175.05 | 3172 | 253.05 | 690 | 424.85 | 265 |
| 106.95 | 19056 | 175.95 | 1258 | 255.05 | 107120 | 440.95 | 22920 |
| 108.05 | 3170 | 176.95 | 1768 | 256.05 | 16161 | 442.05 | 168320 |
| 109.05 | 661 | 178.05 | 579 | 256.95 | 1147 | 443.05 | 34576 |
| 110.05 | 34936 | 178.95 | 6169 | 257.95 | 5936 | 444.05 | 3040 |
| 111.05 | 5746 | 179.95 | 4186 | 258.95 | 951 | | |
| 112.05 | 755 | 180.95 | 1806 | 260.05 | 252 | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 10-APR-2013 12:19
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : DFTPP-1465456
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.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 | | | | |
| 4.946 | 4.963 | -0.017 | 198 | 112120 | | | 50.00- | 0.00 | 100.00 |
| 4.946 | 4.963 | -0.017 | 51 | 33517 | | | 10.00- | 80.00 | 29.89 |
| 4.946 | 4.963 | -0.017 | 68 | 665 | | | 0.00- | 2.00 | 1.93 |
| 4.946 | 4.963 | -0.017 | 69 | 34393 | | | 0.00- | 0.00 | 30.68 |
| 4.946 | 4.963 | -0.017 | 70 | 433 | | | 0.00- | 2.00 | 1.26 |
| 4.946 | 4.963 | -0.017 | 127 | 46582 | | | 10.00- | 80.00 | 41.55 |
| 4.946 | 4.963 | -0.017 | 197 | 199 | | | 0.00- | 2.00 | 0.18 |
| 4.946 | 4.963 | -0.017 | 442 | 73114 | | | 50.00- | 0.00 | 65.21 |
| 4.946 | 4.963 | -0.017 | 199 | 7125 | | | 5.00- | 9.00 | 6.35 |
| 4.946 | 4.963 | -0.017 | 275 | 25004 | | | 10.00- | 60.00 | 22.30 |
| 4.946 | 4.963 | -0.017 | 365 | 2474 | | | 1.00- | 0.00 | 2.21 |
| 4.946 | 4.963 | -0.017 | 441 | 10211 | | | 0.01- | 99.99 | 68.55 |
| 4.946 | 4.963 | -0.017 | 443 | 14895 | | | 15.00- | 24.00 | 20.37 |

Data File: 1AD10002.D

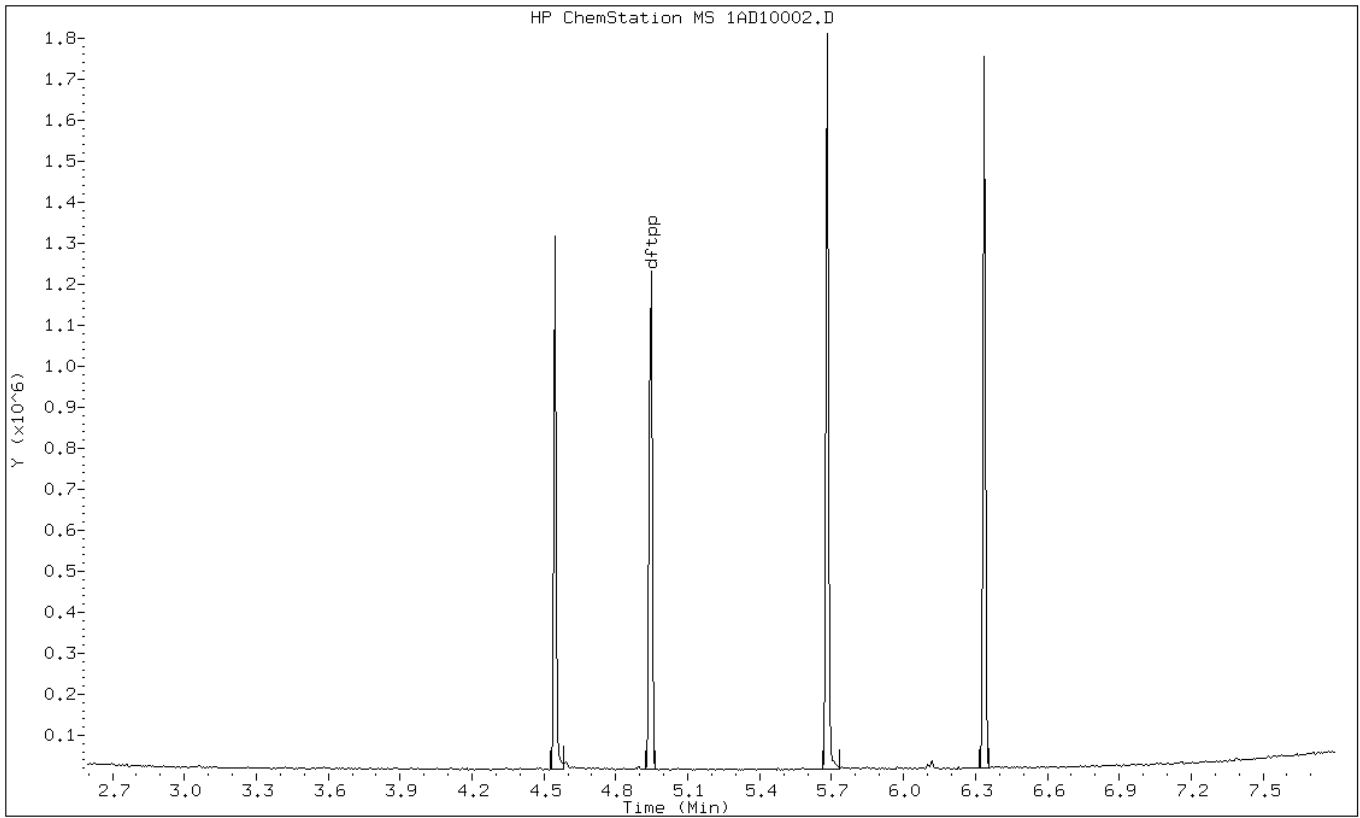
Date: 10-APR-2013 12:19

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

Operator: SCC



Data File: 1AD10002.D

Date: 10-APR-2013 12:19

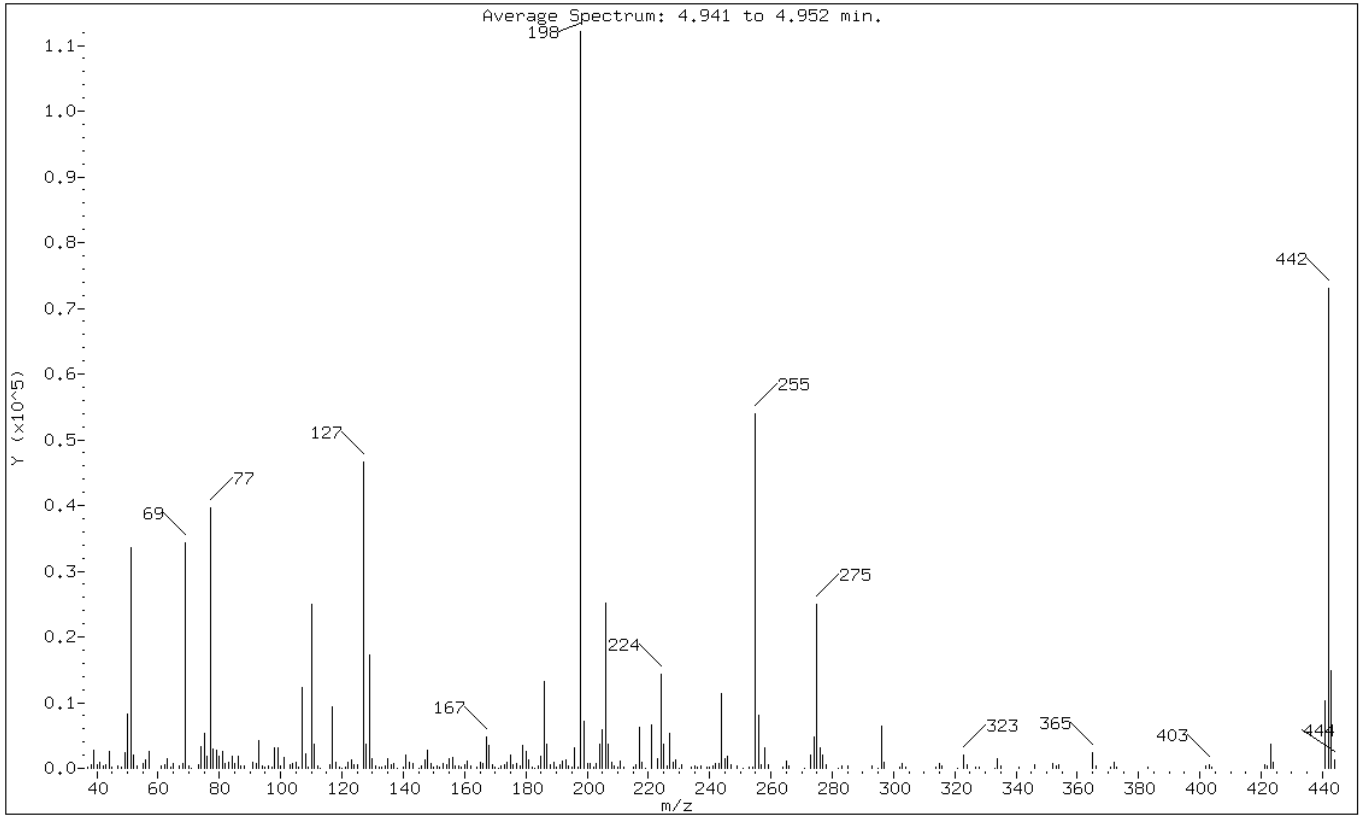
Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

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 | 29.89 |
| 68 | Less than 2.00% of mass 69 | 0.59 (1.93) |
| 69 | Mass 69 relative abundance | 30.68 |
| 70 | Less than 2.00% of mass 69 | 0.39 (1.26) |
| 127 | 10.00 - 80.00% of mass 198 | 41.55 |
| 197 | Less than 2.00% of mass 198 | 0.18 |
| 442 | Greater than 50.00% of mass 198 | 65.21 |
| 199 | 5.00 - 9.00% of mass 198 | 6.35 |
| 275 | 10.00 - 60.00% of mass 198 | 22.30 |
| 365 | Greater than 1.00% of mass 198 | 2.21 |
| 441 | Present, but less than mass 443 | 9.11 |
| 443 | 15.00 - 24.00% of mass 442 | 13.28 (20.37) |

Data File: 1AD10002.D

Date: 10-APR-2013 12:19

Client ID: DFTPP

Instrument: BSMA5973.i

Sample Info: DFTPP-1465456

Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10002.D

Spectrum: Average Spectrum: 4.941 to 4.952 min.

Location of Maximum: 198.00

Number of points: 250

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|--------|--------|-------|
| 37.00 | 119 | 110.00 | 24912 | 179.00 | 3507 | 251.00 | 84 |
| 38.00 | 490 | 111.00 | 3661 | 180.00 | 2537 | 253.00 | 261 |
| 39.00 | 2821 | 112.00 | 383 | 181.00 | 1193 | 254.00 | 184 |
| 40.00 | 583 | 113.00 | 87 | 182.00 | 241 | 255.00 | 53944 |
| 41.00 | 965 | 116.00 | 607 | 183.00 | 87 | 256.00 | 8040 |
| 42.00 | 306 | 117.00 | 9389 | 184.00 | 291 | 257.00 | 547 |
| 43.00 | 507 | 118.00 | 943 | 185.00 | 1762 | 258.00 | 3106 |
| 44.00 | 2642 | 119.00 | 94 | 186.00 | 13286 | 259.00 | 491 |
| 45.00 | 195 | 120.00 | 88 | 187.00 | 3652 | 264.00 | 93 |
| 47.00 | 387 | 121.00 | 107 | 188.00 | 543 | 265.00 | 1088 |
| 48.00 | 106 | 122.00 | 828 | 189.00 | 989 | 266.00 | 304 |
| 49.00 | 2438 | 123.00 | 1346 | 190.00 | 92 | 271.00 | 86 |
| 50.00 | 8167 | 124.00 | 549 | 191.00 | 470 | 273.00 | 1931 |
| 51.00 | 33512 | 125.00 | 513 | 192.00 | 1188 | 274.00 | 4768 |
| 52.00 | 1979 | 127.00 | 46576 | 193.00 | 1286 | 275.00 | 25000 |
| 53.00 | 297 | 128.00 | 3671 | 194.00 | 380 | 276.00 | 3039 |
| 55.00 | 779 | 129.00 | 17232 | 195.00 | 98 | 277.00 | 1954 |
| 56.00 | 1372 | 130.00 | 1413 | 196.00 | 3108 | 278.00 | 475 |
| 57.00 | 2482 | 131.00 | 381 | 197.00 | 199 | 282.00 | 87 |
| 61.00 | 401 | 132.00 | 106 | 198.00 | 112120 | 283.00 | 395 |
| 62.00 | 498 | 133.00 | 93 | 199.00 | 7125 | 285.00 | 329 |
| 63.00 | 1465 | 134.00 | 441 | 200.00 | 668 | 293.00 | 404 |
| 64.00 | 122 | 135.00 | 1462 | 201.00 | 686 | 295.00 | 89 |
| 65.00 | 751 | 136.00 | 485 | 202.00 | 101 | 296.00 | 6333 |
| 67.00 | 442 | 137.00 | 806 | 203.00 | 815 | 297.00 | 914 |
| 68.00 | 665 | 138.00 | 88 | 204.00 | 3621 | 302.00 | 107 |
| 69.00 | 34392 | 140.00 | 105 | 205.00 | 5928 | 303.00 | 813 |
| 70.00 | 433 | 141.00 | 2018 | 206.00 | 25208 | 304.00 | 154 |
| 71.00 | 85 | 142.00 | 836 | 207.00 | 3581 | 314.00 | 273 |
| 73.00 | 500 | 143.00 | 651 | 208.00 | 992 | 315.00 | 743 |
| 74.00 | 3269 | 145.00 | 89 | 209.00 | 388 | 316.00 | 306 |
| 75.00 | 5378 | 146.00 | 391 | 210.00 | 210 | 321.00 | 91 |
| 76.00 | 1744 | 147.00 | 1226 | 211.00 | 1177 | 323.00 | 2088 |
| 77.00 | 39720 | 148.00 | 2772 | 212.00 | 152 | 324.00 | 467 |
| 78.00 | 2940 | 149.00 | 699 | 215.00 | 111 | 327.00 | 256 |
| 79.00 | 2767 | 150.00 | 131 | 216.00 | 587 | 328.00 | 106 |
| 80.00 | 1746 | 151.00 | 361 | 217.00 | 6255 | 333.00 | 91 |
| 81.00 | 2658 | 152.00 | 196 | 218.00 | 916 | 334.00 | 1420 |
| 82.00 | 774 | 153.00 | 656 | 219.00 | 89 | 335.00 | 300 |
| 83.00 | 874 | 154.00 | 559 | 221.00 | 6674 | 341.00 | 172 |

| | | | | | | | |
|---|-------|--------|------|--------|-------|--------|-------|
| 84.00 | 1785 | 155.00 | 1424 | 223.00 | 1529 | 346.00 | 461 |
| 85.00 | 701 | 156.00 | 1694 | 224.00 | 14314 | 352.00 | 719 |
| 86.00 | 1873 | 157.00 | 449 | 225.00 | 3658 | 353.00 | 383 |
| 87.00 | 353 | 158.00 | 383 | 226.00 | 383 | 354.00 | 589 |
| 88.00 | 405 | 159.00 | 234 | 227.00 | 5398 | 365.00 | 2474 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 91.00 | 885 | 160.00 | 563 | 228.00 | 852 | 366.00 | 397 |
| 92.00 | 746 | 161.00 | 1140 | 229.00 | 1330 | 371.00 | 100 |
| 93.00 | 4166 | 162.00 | 352 | 230.00 | 84 | 372.00 | 933 |
| 94.00 | 395 | 164.00 | 102 | 231.00 | 585 | 373.00 | 148 |
| 95.00 | 138 | 165.00 | 885 | 234.00 | 194 | 383.00 | 225 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 96.00 | 330 | 166.00 | 663 | 235.00 | 373 | 402.00 | 441 |
| 97.00 | 117 | 167.00 | 4810 | 236.00 | 267 | 403.00 | 578 |
| 98.00 | 3057 | 168.00 | 3461 | 237.00 | 456 | 404.00 | 238 |
| 99.00 | 3074 | 169.00 | 466 | 239.00 | 205 | 421.00 | 486 |
| 100.00 | 308 | 170.00 | 100 | 240.00 | 95 | 422.00 | 342 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 101.00 | 1733 | 171.00 | 85 | 241.00 | 419 | 423.00 | 3617 |
| 103.00 | 466 | 172.00 | 447 | 242.00 | 777 | 424.00 | 952 |
| 104.00 | 802 | 173.00 | 589 | 243.00 | 755 | 441.00 | 10211 |
| 105.00 | 956 | 174.00 | 985 | 244.00 | 11369 | 442.00 | 73112 |
| 106.00 | 153 | 175.00 | 1985 | 245.00 | 1531 | 443.00 | 14895 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 107.00 | 12328 | 176.00 | 638 | 246.00 | 1923 | 444.00 | 1370 |
| 108.00 | 2150 | 177.00 | 803 | 247.00 | 468 | | |
| 109.00 | 183 | 178.00 | 329 | 249.00 | 421 | | |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\1CD02002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 02-APR-2013 11:31
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C040213.b\c-dftpp198.m
 Meth Date : 04-Feb-2013 16:33 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 | | | | |
| 7.310 | 7.469 | -0.159 | 198 | 70432 | | 50.00- 0.00 | 100.00 | | |
| 7.310 | 7.469 | -0.159 | 51 | 24576 | | 10.00- 80.00 | 34.89 | | |
| 7.310 | 7.469 | -0.159 | 68 | 571 | | 0.00- 2.00 | 1.62 | | |
| 7.310 | 7.469 | -0.159 | 69 | 35176 | | 0.00- 0.00 | 49.94 | | |
| 7.310 | 7.469 | -0.159 | 70 | 308 | | 0.00- 2.00 | 0.88 | | |
| 7.310 | 7.469 | -0.159 | 127 | 29688 | | 10.00- 80.00 | 42.15 | | |
| 7.310 | 7.469 | -0.159 | 197 | 310 | | 0.00- 2.00 | 0.44 | | |
| 7.310 | 7.469 | -0.159 | 442 | 39944 | | 50.00- 0.00 | 56.71 | | |
| 7.310 | 7.469 | -0.159 | 199 | 5383 | | 5.00- 9.00 | 7.64 | | |
| 7.310 | 7.469 | -0.159 | 275 | 15117 | | 10.00- 60.00 | 21.46 | | |
| 7.310 | 7.469 | -0.159 | 365 | 2390 | | 1.00- 0.00 | 3.39 | | |
| 7.310 | 7.469 | -0.159 | 441 | 7169 | | 0.01- 99.99 | 92.67 | | |
| 7.310 | 7.469 | -0.159 | 443 | 7736 | | 15.00- 24.00 | 19.37 | | |

Data File: 1CD02002.D

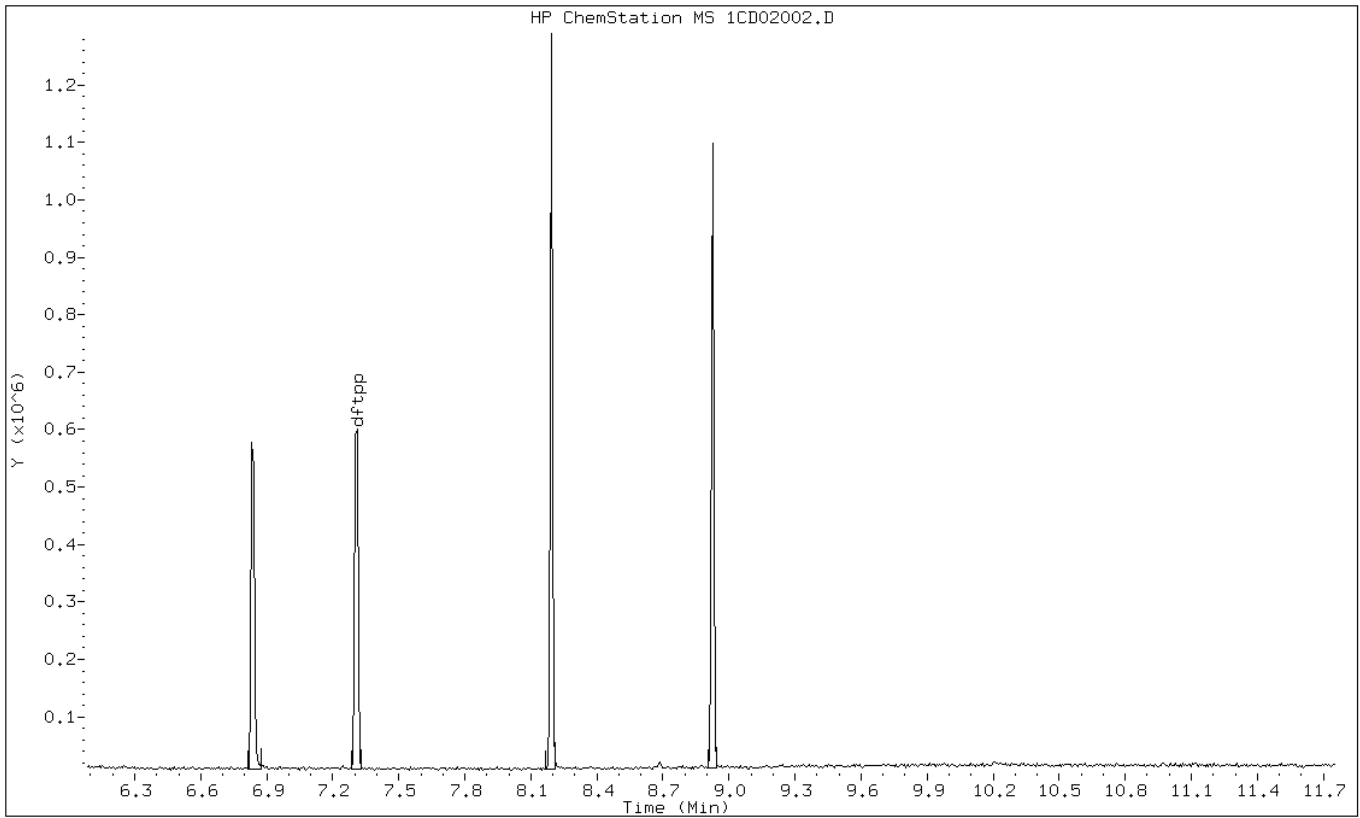
Date: 02-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD02002.D

Date: 02-APR-2013 11:31

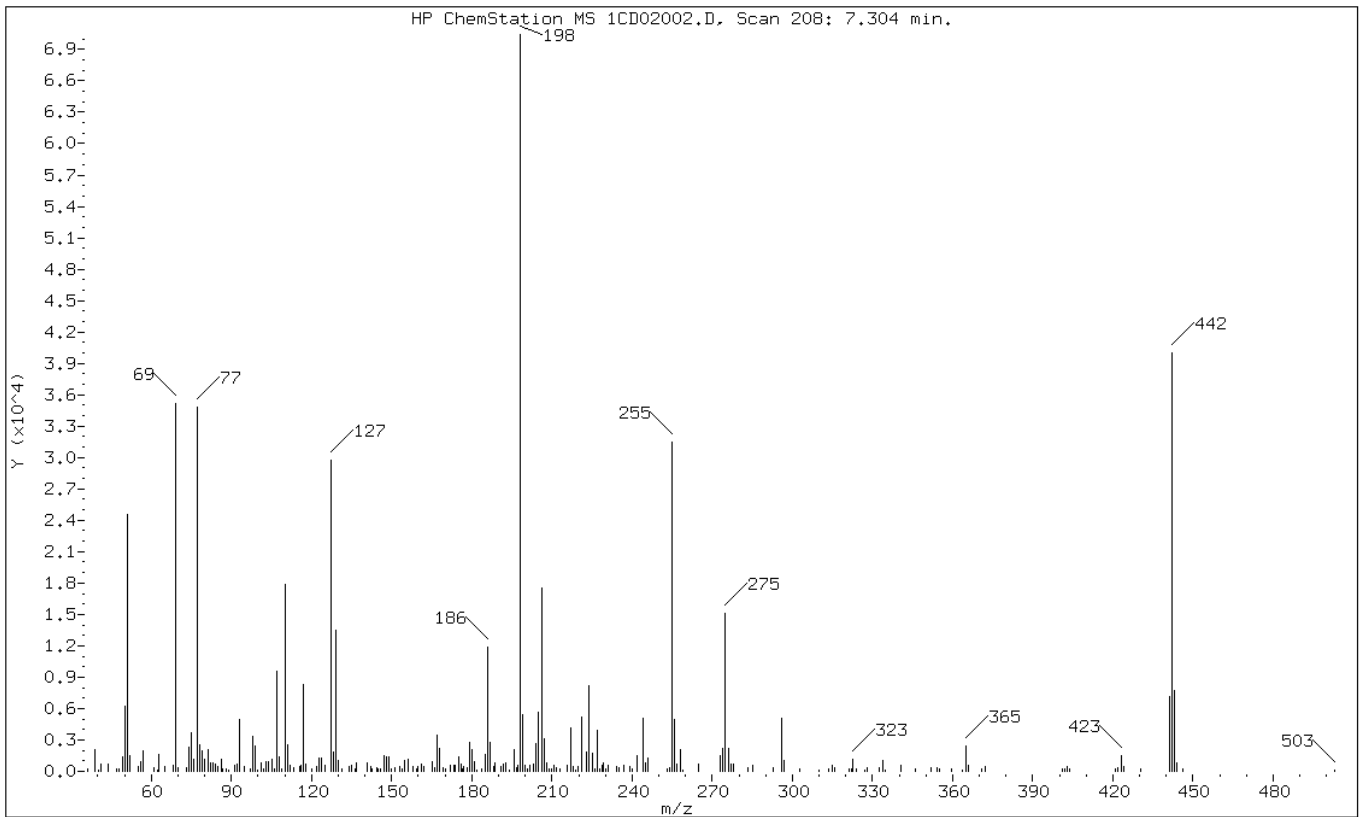
Client ID: DFTPP

Instrument: BSMC5973.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 | 34.89 |
| 68 | Less than 2.00% of mass 69 | 0.81 (1.62) |
| 69 | Mass 69 relative abundance | 49.94 |
| 70 | Less than 2.00% of mass 69 | 0.44 (0.88) |
| 127 | 10.00 - 80.00% of mass 198 | 42.15 |
| 197 | Less than 2.00% of mass 198 | 0.44 |
| 442 | Greater than 50.00% of mass 198 | 56.71 |
| 199 | 5.00 - 9.00% of mass 198 | 7.64 |
| 275 | 10.00 - 60.00% of mass 198 | 21.46 |
| 365 | Greater than 1.00% of mass 198 | 3.39 |
| 441 | Present, but less than mass 443 | 10.18 |
| 443 | 15.00 - 24.00% of mass 442 | 10.98 (19.37) |

Data File: 1CD02002.D

Date: 02-APR-2013 11:31

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMC5973.i\1C040213_PAHIC.b\1CD02002.D

Spectrum: HP ChemStation MS 1CD02002.D, Scan 208: 7.304 min.

Location of Maximum: 198.00

Number of points: 229

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 36.20 | 191 | 113.10 | 351 | 185.10 | 1649 | 258.00 | 2060 |
| 39.00 | 2089 | 115.80 | 410 | 186.00 | 11880 | 259.00 | 166 |
| 40.10 | 156 | 116.20 | 563 | 187.00 | 2755 | 265.00 | 700 |
| 41.20 | 672 | 117.00 | 8338 | 188.30 | 505 | 273.00 | 1556 |
| 44.00 | 691 | 118.00 | 714 | 188.80 | 850 | 274.00 | 2191 |
| 46.90 | 264 | 120.20 | 251 | 190.90 | 451 | 275.00 | 15117 |
| 48.00 | 207 | 122.00 | 433 | 192.00 | 717 | 276.10 | 2178 |
| 49.10 | 1329 | 122.90 | 1302 | 192.90 | 774 | 276.90 | 747 |
| 50.10 | 6281 | 123.80 | 1270 | 193.90 | 161 | 278.10 | 714 |
| 51.10 | 24576 | 125.10 | 560 | 195.90 | 2063 | 283.20 | 367 |
| 52.10 | 1487 | 127.10 | 29688 | 196.70 | 310 | 285.10 | 604 |
| 55.00 | 486 | 128.00 | 1837 | 197.10 | 545 | 293.00 | 386 |
| 56.10 | 964 | 129.10 | 13517 | 198.00 | 70432 | 296.00 | 5053 |
| 57.00 | 1965 | 130.00 | 1041 | 199.00 | 5383 | 297.00 | 1014 |
| 60.80 | 304 | 131.20 | 273 | 200.10 | 567 | 302.80 | 285 |
| 62.30 | 156 | 134.00 | 480 | 200.60 | 270 | 310.10 | 151 |
| 63.00 | 1637 | 134.90 | 620 | 201.50 | 554 | 313.70 | 217 |
| 65.00 | 481 | 136.20 | 200 | 203.00 | 654 | 315.00 | 561 |
| 68.10 | 571 | 137.00 | 811 | 204.10 | 2706 | 316.00 | 397 |
| 69.00 | 35176 | 140.90 | 765 | 205.10 | 5687 | 321.20 | 252 |
| 69.90 | 308 | 142.10 | 410 | 206.10 | 17552 | 322.00 | 188 |
| 73.00 | 304 | 142.70 | 282 | 207.10 | 3108 | 322.80 | 1174 |
| 74.10 | 2331 | 144.30 | 362 | 208.00 | 798 | 324.00 | 267 |
| 75.00 | 3676 | 145.00 | 189 | 208.90 | 282 | 327.10 | 153 |
| 76.00 | 1155 | 145.90 | 247 | 210.00 | 219 | 328.20 | 395 |
| 77.10 | 34856 | 147.10 | 1448 | 210.90 | 584 | 332.70 | 292 |
| 78.10 | 2489 | 148.00 | 1427 | 211.50 | 320 | 333.90 | 1034 |
| 79.10 | 1952 | 149.00 | 1344 | 213.00 | 214 | 334.60 | 151 |
| 80.10 | 1105 | 150.00 | 235 | 215.70 | 551 | 340.80 | 534 |
| 81.10 | 2019 | 151.00 | 357 | 217.00 | 4128 | 346.10 | 272 |
| 82.00 | 853 | 153.00 | 443 | 217.90 | 509 | 352.10 | 376 |
| 83.00 | 779 | 153.90 | 266 | 218.80 | 152 | 354.20 | 383 |
| 83.80 | 657 | 155.00 | 984 | 219.60 | 431 | 354.90 | 200 |
| 84.90 | 486 | 156.00 | 1110 | 221.00 | 5183 | 359.50 | 267 |
| 86.10 | 1181 | 157.80 | 502 | 223.10 | 1793 | 363.80 | 168 |
| 86.90 | 260 | 159.30 | 205 | 224.00 | 8192 | 365.00 | 2390 |
| 88.00 | 245 | 159.90 | 477 | 225.20 | 1759 | 365.90 | 597 |
| 89.10 | 155 | 161.10 | 679 | 226.10 | 240 | 370.80 | 193 |
| 91.10 | 583 | 162.00 | 441 | 227.00 | 3893 | 372.00 | 411 |
| 92.10 | 667 | 165.10 | 934 | 227.90 | 218 | 401.00 | 218 |

| | | | | | | | |
|---|-------|--------|------|--------|-------|--------|-------|
| 93.00 | 5005 | 166.00 | 385 | 228.70 | 623 | 402.10 | 194 |
| 95.00 | 495 | 167.00 | 3405 | 229.10 | 783 | 402.90 | 407 |
| 96.90 | 195 | 168.00 | 2215 | 230.00 | 287 | 403.80 | 197 |
| 98.00 | 3343 | 169.20 | 374 | 231.10 | 622 | 420.70 | 267 |
| 99.00 | 2408 | 170.30 | 186 | 234.00 | 423 | 421.10 | 211 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 100.00 | 162 | 172.10 | 634 | 234.90 | 390 | 422.00 | 318 |
| 101.00 | 782 | 173.10 | 602 | 236.90 | 598 | 423.00 | 1535 |
| 102.10 | 189 | 173.70 | 532 | 239.10 | 486 | 424.00 | 439 |
| 103.10 | 884 | 175.10 | 1337 | 240.10 | 221 | 430.30 | 186 |
| 104.00 | 939 | 176.00 | 727 | 242.00 | 1442 | 441.00 | 7169 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 105.00 | 1194 | 176.60 | 217 | 244.10 | 5072 | 442.00 | 39944 |
| 106.00 | 180 | 177.10 | 501 | 245.20 | 829 | 443.00 | 7736 |
| 107.00 | 9612 | 178.10 | 387 | 246.00 | 1322 | 444.00 | 786 |
| 108.00 | 1350 | 179.00 | 2811 | 253.10 | 269 | 446.00 | 182 |
| 109.00 | 183 | 180.10 | 2065 | 254.10 | 289 | 503.00 | 171 |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |
| 110.00 | 17856 | 181.00 | 967 | 255.00 | 31424 | | |
| 111.00 | 2511 | 181.80 | 164 | 256.00 | 4972 | | |
| 112.10 | 622 | 183.90 | 209 | 256.90 | 650 | | |
| +-----+-----+-----+-----+-----+-----+-----+-----+ | | | | | | | |

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\1CD10002.D
 Lab Smp Id: DFTPP Client Smp ID: DFTPP
 Inj Date : 10-APR-2013 11:53
 Operator : SCC Inst ID: BSMC5973.i
 Smp Info : DFTPP-1525850
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\c-dftpp198.m
 Meth Date : 04-Feb-2013 16:33 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 | | | | |
| 7.274 | 7.469 | -0.195 | 198 | 74016 | | 50.00- 0.00 | 100.00 | | |
| 7.274 | 7.469 | -0.195 | 51 | 29368 | | 10.00- 80.00 | 39.68 | | |
| 7.274 | 7.469 | -0.195 | 68 | 320 | | 0.00- 2.00 | 0.87 | | |
| 7.274 | 7.469 | -0.195 | 69 | 36584 | | 0.00- 0.00 | 49.43 | | |
| 7.274 | 7.469 | -0.195 | 70 | 0 | 0.0 | 0.0 | 0.00- 2.00 | 0.00 | |
| 7.274 | 7.469 | -0.195 | 127 | 34560 | | 10.00- 80.00 | 46.69 | | |
| 7.274 | 7.469 | -0.195 | 197 | 775 | | 0.00- 2.00 | 1.05 | | |
| 7.274 | 7.469 | -0.195 | 442 | 50880 | | 50.00- 0.00 | 68.74 | | |
| 7.274 | 7.469 | -0.195 | 199 | 5085 | | 5.00- 9.00 | 6.87 | | |
| 7.274 | 7.469 | -0.195 | 275 | 14724 | | 10.00- 60.00 | 19.89 | | |
| 7.274 | 7.469 | -0.195 | 365 | 3333 | | 1.00- 0.00 | 4.50 | | |
| 7.274 | 7.469 | -0.195 | 441 | 9455 | | 0.01- 99.99 | 98.91 | | |
| 7.274 | 7.469 | -0.195 | 443 | 9559 | | 15.00- 24.00 | 18.79 | | |

Data File: 1CD10002.D

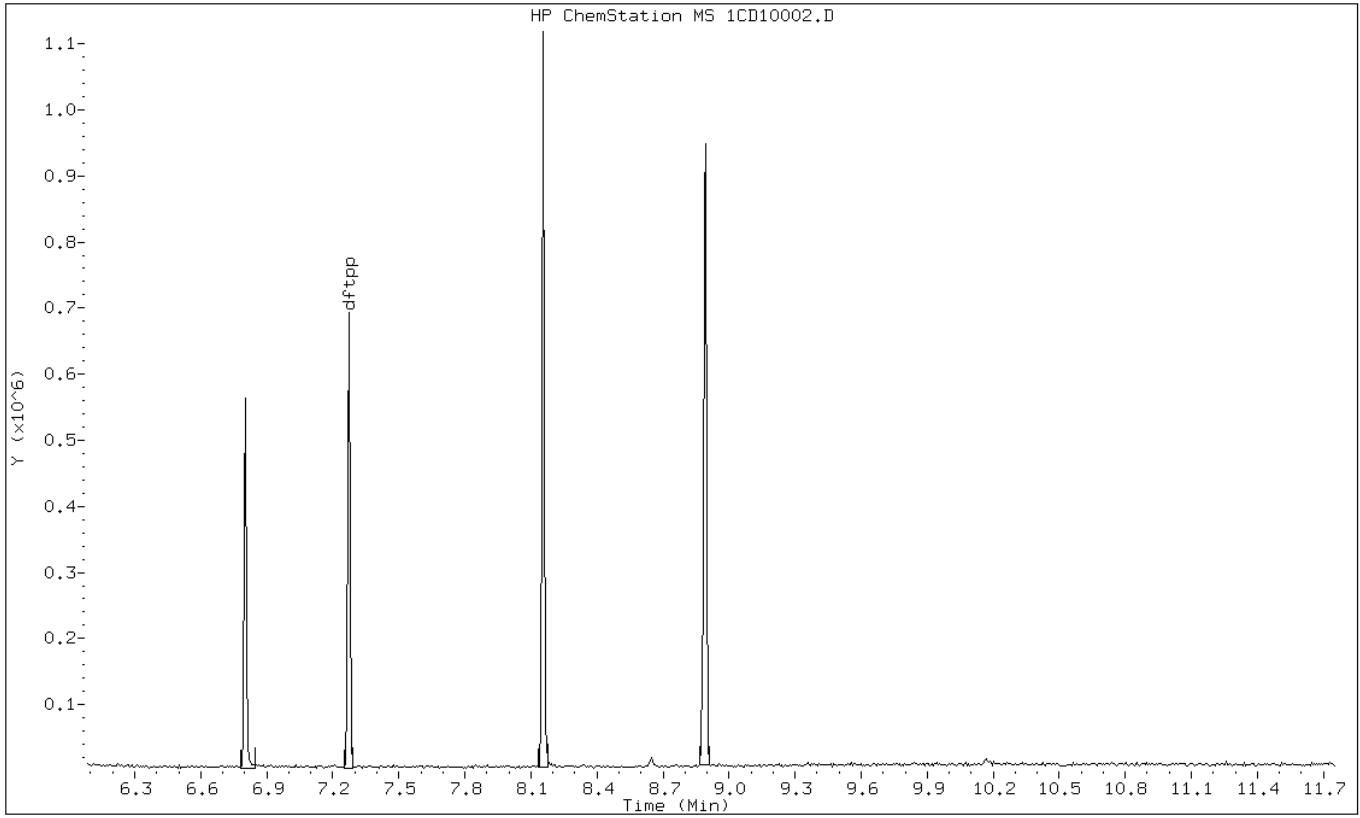
Date: 10-APR-2013 11:53

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC



Data File: 1CD10002.D

Date: 10-APR-2013 11:53

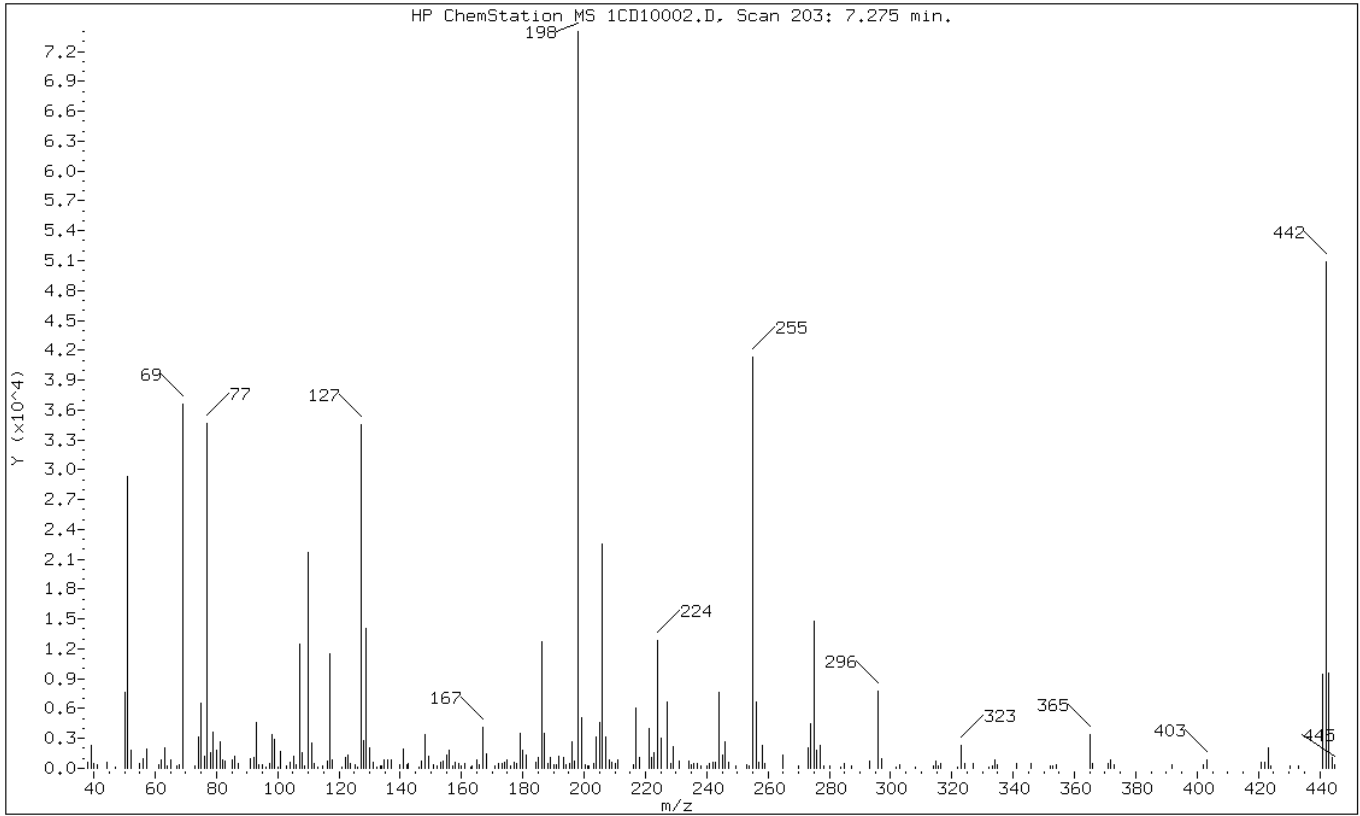
Client ID: DFTPP

Instrument: BSMC5973.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 | 39.68 |
| 68 | Less than 2.00% of mass 69 | 0.43 (0.87) |
| 69 | Mass 69 relative abundance | 49.43 |
| 70 | Less than 2.00% of mass 69 | 0.00 (0.00) |
| 127 | 10.00 - 80.00% of mass 198 | 46.69 |
| 197 | Less than 2.00% of mass 198 | 1.05 |
| 442 | Greater than 50.00% of mass 198 | 68.74 |
| 199 | 5.00 - 9.00% of mass 198 | 6.87 |
| 275 | 10.00 - 60.00% of mass 198 | 19.89 |
| 365 | Greater than 1.00% of mass 198 | 4.50 |
| 441 | Present, but less than mass 443 | 12.77 |
| 443 | 15.00 - 24.00% of mass 442 | 12.91 (18.79) |

Data File: 1CD10002.D

Date: 10-APR-2013 11:53

Client ID: DFTPP

Instrument: BSMC5973.i

Sample Info: DFTPP-1525850

Operator: SCC

Data File: \\tam-chemsrv\chem\SM\BSMC5973.i\1C041013.b\1CD10002.D

Spectrum: HP ChemStation MS 1CD10002.D, Scan 203: 7.275 min.

Location of Maximum: 198.00

Number of points: 228

| m/z | Y | m/z | Y | m/z | Y | m/z | Y |
|-------|-------|--------|-------|--------|-------|--------|-------|
| 38.00 | 588 | 117.00 | 11552 | 187.10 | 3456 | 265.00 | 1361 |
| 39.10 | 2283 | 118.00 | 865 | 188.10 | 451 | 269.90 | 182 |
| 40.00 | 436 | 121.00 | 158 | 189.10 | 1045 | 273.10 | 2109 |
| 41.00 | 367 | 122.10 | 1037 | 190.30 | 359 | 274.00 | 4514 |
| 44.10 | 612 | 123.10 | 1390 | 191.10 | 324 | 275.00 | 14724 |
| 47.10 | 165 | 123.90 | 544 | 191.90 | 1179 | 276.00 | 1786 |
| 50.10 | 7573 | 125.20 | 377 | 193.10 | 1042 | 277.00 | 2360 |
| 51.10 | 29368 | 126.00 | 174 | 193.90 | 344 | 278.10 | 229 |
| 52.20 | 1822 | 127.10 | 34560 | 195.30 | 427 | 280.30 | 183 |
| 55.10 | 485 | 128.00 | 2734 | 196.00 | 2710 | 283.70 | 172 |
| 56.00 | 1009 | 129.00 | 14094 | 197.00 | 775 | 285.00 | 506 |
| 57.10 | 1969 | 130.00 | 2008 | 198.00 | 74016 | 287.10 | 197 |
| 61.00 | 357 | 131.10 | 561 | 199.00 | 5085 | 293.10 | 696 |
| 61.90 | 839 | 132.20 | 181 | 200.20 | 364 | 296.00 | 7743 |
| 63.00 | 2029 | 133.70 | 236 | 201.00 | 199 | 297.00 | 920 |
| 63.90 | 206 | 134.10 | 210 | 201.60 | 228 | 301.80 | 155 |
| 65.10 | 799 | 134.90 | 795 | 203.10 | 494 | 302.90 | 410 |
| 67.10 | 292 | 135.90 | 796 | 204.10 | 3201 | 307.90 | 170 |
| 67.80 | 320 | 136.90 | 795 | 205.00 | 4579 | 313.80 | 207 |
| 69.10 | 36584 | 140.00 | 324 | 206.00 | 22512 | 314.80 | 673 |
| 73.00 | 272 | 141.00 | 1920 | 207.00 | 3181 | 315.70 | 295 |
| 74.10 | 3103 | 142.10 | 375 | 208.10 | 906 | 316.20 | 468 |
| 75.10 | 6509 | 142.70 | 541 | 209.00 | 626 | 321.90 | 170 |
| 76.00 | 1244 | 146.20 | 174 | 210.30 | 521 | 323.10 | 2294 |
| 77.10 | 34696 | 147.00 | 681 | 211.10 | 788 | 324.20 | 438 |
| 78.10 | 1525 | 148.00 | 3382 | 215.90 | 358 | 327.00 | 429 |
| 79.00 | 3606 | 149.10 | 1170 | 217.00 | 6035 | 332.00 | 155 |
| 80.00 | 1792 | 150.90 | 304 | 218.00 | 1106 | 333.10 | 228 |
| 81.10 | 2669 | 152.20 | 185 | 221.10 | 3994 | 334.00 | 824 |
| 82.00 | 851 | 153.00 | 550 | 221.90 | 1066 | 335.00 | 373 |
| 83.00 | 683 | 154.10 | 768 | 222.90 | 1605 | 341.00 | 487 |
| 85.10 | 833 | 155.20 | 1295 | 224.00 | 12896 | 345.90 | 518 |
| 86.10 | 1248 | 156.00 | 1788 | 225.00 | 3054 | 352.00 | 236 |
| 87.00 | 540 | 157.00 | 297 | 227.00 | 6635 | 352.90 | 263 |
| 91.10 | 965 | 158.00 | 572 | 228.10 | 471 | 354.00 | 312 |
| 92.10 | 1037 | 158.90 | 495 | 229.00 | 2185 | 365.10 | 3333 |
| 93.00 | 4551 | 159.90 | 292 | 230.90 | 751 | 365.80 | 474 |
| 93.90 | 344 | 161.00 | 440 | 234.10 | 720 | 370.90 | 468 |
| 95.20 | 334 | 162.90 | 179 | 235.00 | 337 | 371.90 | 880 |
| 96.10 | 157 | 163.40 | 245 | 235.90 | 433 | 373.10 | 322 |

| | | | | | | | |
|--------|-------|--------|-------|--------|-------|--------|-------|
| 97.20 | 470 | 164.90 | 837 | 236.80 | 442 | 391.90 | 344 |
| 98.00 | 3406 | 165.90 | 333 | 238.10 | 184 | 402.00 | 409 |
| 99.10 | 2905 | 167.00 | 4175 | 240.10 | 196 | 403.10 | 813 |
| 100.00 | 181 | 168.10 | 1414 | 241.00 | 507 | 420.90 | 613 |
| 101.00 | 1665 | 170.70 | 257 | 242.00 | 605 | 422.00 | 591 |
| 103.00 | 241 | 172.00 | 474 | 242.90 | 562 | 423.10 | 2023 |
| 104.10 | 624 | 173.10 | 512 | 244.00 | 7599 | 424.10 | 286 |
| 105.10 | 1243 | 174.00 | 595 | 245.00 | 1393 | 430.30 | 264 |
| 106.20 | 404 | 175.00 | 881 | 246.00 | 2690 | 433.30 | 184 |
| 107.10 | 12444 | 176.10 | 291 | 247.10 | 611 | 441.10 | 9455 |
| 108.10 | 1618 | 177.00 | 591 | 249.70 | 190 | 442.00 | 50880 |
| 108.90 | 279 | 178.10 | 490 | 253.20 | 383 | 443.00 | 9559 |
| 110.00 | 21720 | 179.00 | 3472 | 253.90 | 265 | 444.00 | 1143 |
| 111.00 | 2561 | 180.00 | 1837 | 255.00 | 41368 | 444.90 | 333 |
| 111.90 | 536 | 181.10 | 1372 | 256.10 | 6633 | | |
| 112.90 | 159 | 184.20 | 644 | 257.00 | 613 | | |
| 114.70 | 215 | 184.90 | 1094 | 258.00 | 2242 | | |
| 116.10 | 683 | 186.10 | 12736 | 259.00 | 509 | | |

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: MB 660-136204/1-A
 Matrix: Solid Lab File ID: 1AD09016.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.20(g) Date Analyzed: 04/09/2013 17:02
 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.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 99 | U | 99 | 20 |
| 208-96-8 | Acenaphthylene | 39 | U | 39 | 4.9 |
| 120-12-7 | Anthracene | 8.3 | U | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 10 | U | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 12 | U | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 |
| 218-01-9 | Chrysene | 8.9 | U | 8.9 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 20 | U | 20 | 3.9 |
| 86-73-7 | Fluorene | 20 | U | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 39 | U | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 39 | U | 39 | 7.0 |
| 91-20-3 | Naphthalene | 39 | U | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 7.9 | U | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 20 | U | 20 | 3.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 65 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09016.D
 Lab Smp Id: mb 660-136204/1-a
 Inj Date : 09-APR-2013 17:02
 Operator : SCC
 Smp Info : mb 660-136204/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 16 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 | 15.200 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.592 | 2.591 | (1.000) | 1916870 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.622 | 3.622 | (1.000) | 1051217 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.578 | 4.573 | (1.000) | 1762582 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.883 | 4.877 | (1.066) | 240586 | 6.52159 | 429.0519 |
| * 18 Chrysene-d12 | 240 | | 6.597 | 6.597 | (1.000) | 1793207 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.692 | 7.676 | (1.000) | 1797409 | 40.0000 | |

Data File: 1AD09016.D

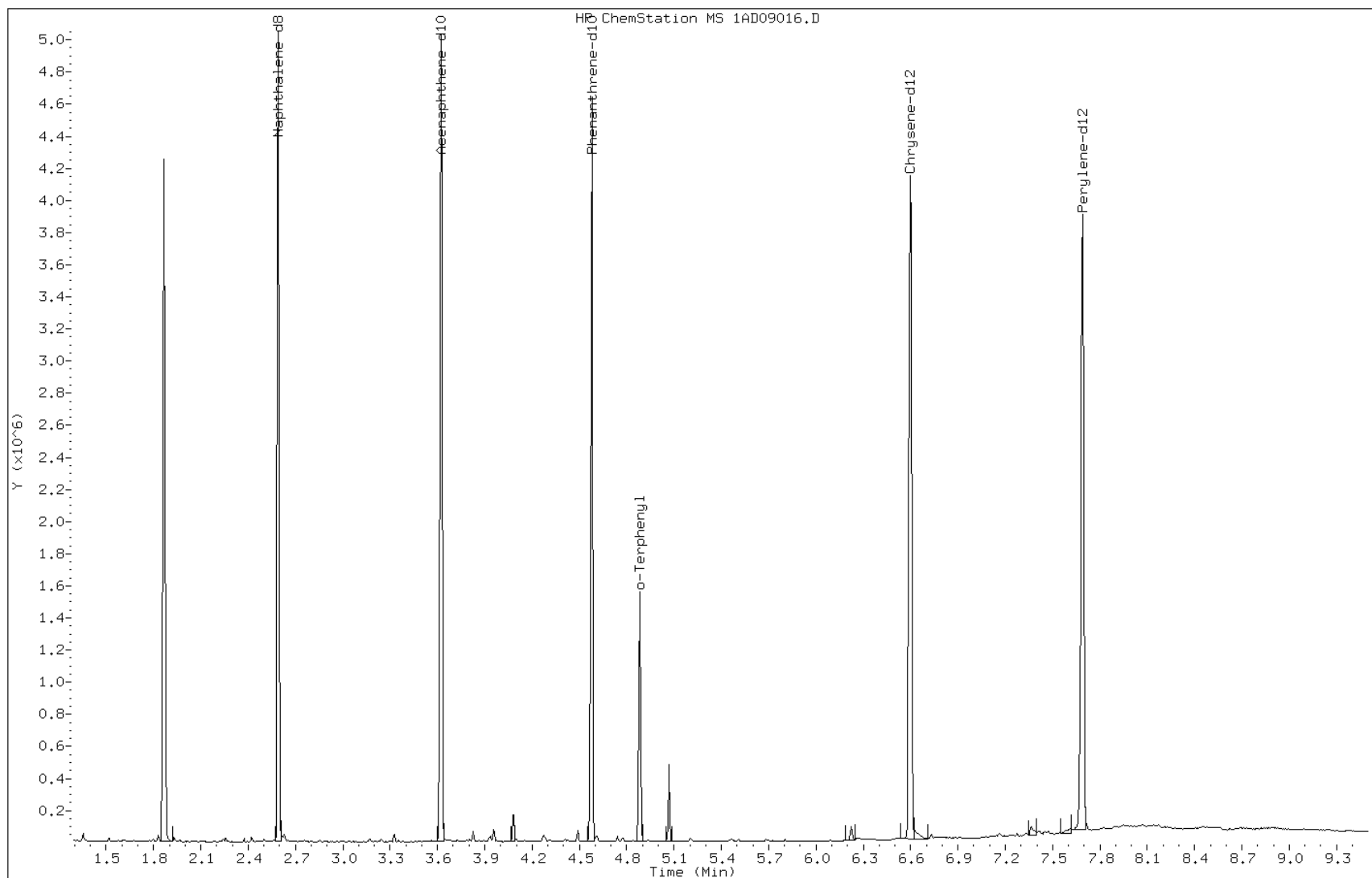
Date: 09-APR-2013 17:02

Client ID:

Instrument: BSMA5973.i

Sample Info: mb 660-136204/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: MB 660-136235/1-A
 Matrix: Solid Lab File ID: 1AD10005.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.18(g) Date Analyzed: 04/10/2013 13:12
 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.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 99 | U | 99 | 20 |
| 208-96-8 | Acenaphthylene | 40 | U | 40 | 4.9 |
| 120-12-7 | Anthracene | 8.3 | U | 8.3 | 4.2 |
| 56-55-3 | Benzo[a]anthracene | 7.9 | U | 7.9 | 3.9 |
| 50-32-8 | Benzo[a]pyrene | 10 | U | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 12 | U | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 |
| 218-01-9 | Chrysene | 8.9 | U | 8.9 | 4.4 |
| 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 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 40 | U | 40 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 40 | U | 40 | 7.0 |
| 91-20-3 | Naphthalene | 40 | U | 40 | 4.3 |
| 85-01-8 | Phenanthrene | 7.9 | U | 7.9 | 3.9 |
| 129-00-0 | Pyrene | 20 | U | 20 | 3.7 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 79 | | 30-130 |

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10005.D
 Lab Smp Id: mb 660-136235/1-a
 Inj Date : 10-APR-2013 13:12
 Operator : SCC
 Smp Info : mb 660-136235/1-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 5 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 | 15.180 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.585 | 2.584 | (1.000) | 1715976 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.616 | 3.615 | (1.000) | 934394 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.567 | 4.571 | (1.000) | 1637997 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.866 | 4.870 | (1.065) | 263815 | 7.89218 | 519.9061 |
| * 18 Chrysene-d12 | 240 | | 6.580 | 6.584 | (1.000) | 1740673 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.659 | 7.663 | (1.000) | 1753269 | 40.0000 | |

Data File: 1AD10005.D

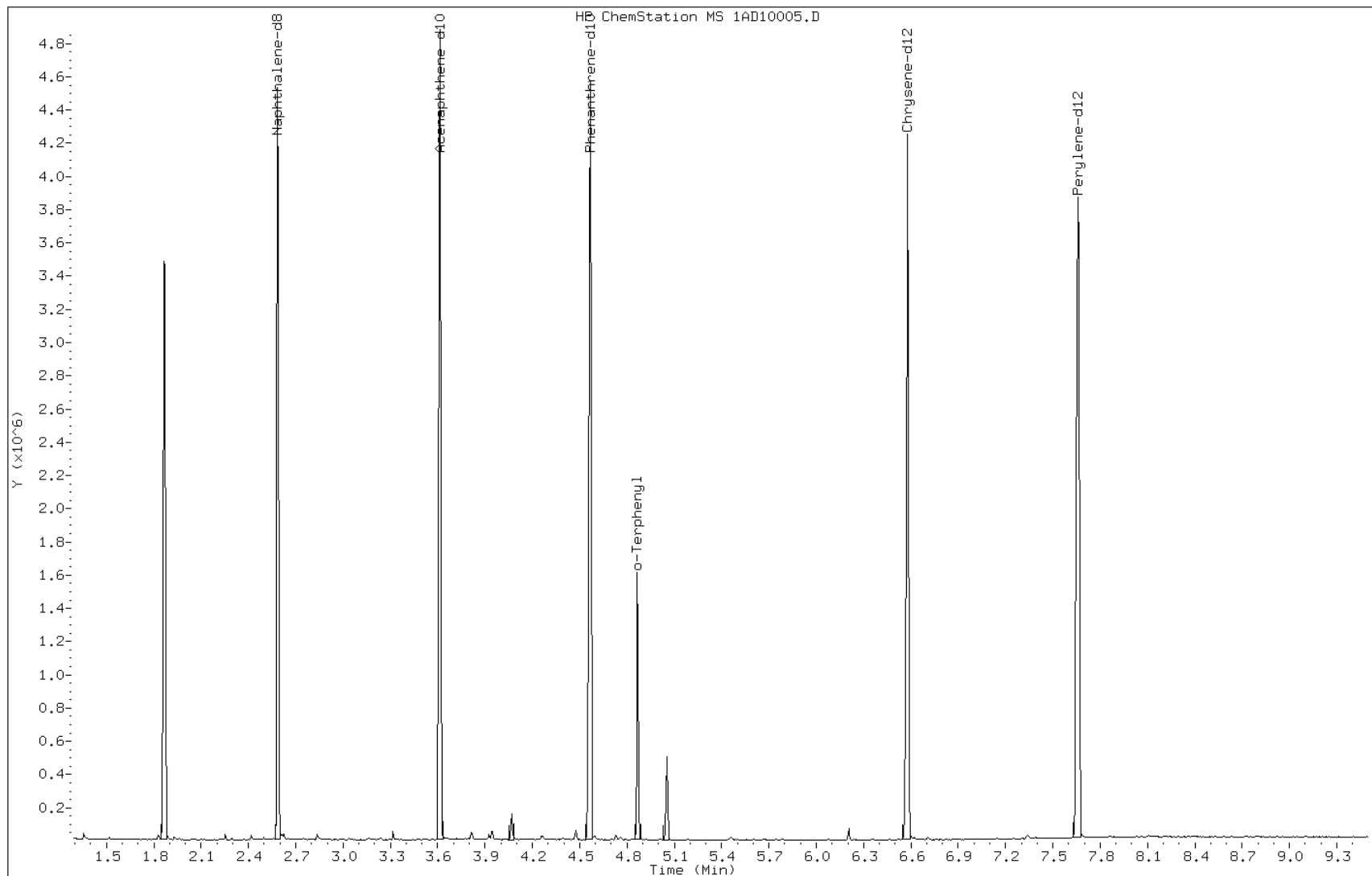
Date: 10-APR-2013 13:12

Client ID:

Instrument: BSMA5973.i

Sample Info: mb 660-136235/1-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: LCS 660-136204/2-A
 Matrix: Solid Lab File ID: 1AD09017.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.38(g) Date Analyzed: 04/09/2013 17:17
 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.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 375 | | 98 | 20 |
| 208-96-8 | Acenaphthylene | 403 | | 39 | 4.9 |
| 120-12-7 | Anthracene | 412 | | 8.2 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 475 | | 7.8 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 435 | | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 527 | | 12 | 5.9 |
| 191-24-2 | Benzo[g,h,i]perylene | 567 | | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 497 | | 7.8 | 3.5 |
| 218-01-9 | Chrysene | 473 | | 8.8 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 597 | | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 446 | | 20 | 3.9 |
| 86-73-7 | Fluorene | 404 | | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 538 | | 20 | 6.9 |
| 90-12-0 | 1-Methylnaphthalene | 438 | | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 437 | | 39 | 6.9 |
| 91-20-3 | Naphthalene | 419 | | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 405 | | 7.8 | 3.8 |
| 129-00-0 | Pyrene | 513 | | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 66 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09017.D
 Lab Smp Id: lcs 660-136204/2-a
 Inj Date : 09-APR-2013 17:17
 Operator : SCC
 Smp Info : lcs 660-136204/2-a
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.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 | 15.380 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.592 | 2.591 | (1.000) | 1540472 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.623 | 3.622 | (1.000) | 847699 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.573 | 4.573 | (1.000) | 1453725 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.878 | 4.877 | (1.067) | 200804 | 6.61070 | 429.8242 |
| * 18 Chrysene-d12 | 240 | | 6.592 | 6.597 | (1.000) | 1376979 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.676 | 7.676 | (1.000) | 1441786 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.602 | 2.602 | (1.004) | 339931 | 6.44529 | 419.0698 |
| 3 2-Methylnaphthalene | 141 | | 3.008 | 3.008 | (1.161) | 204097 | 6.71807 | 436.8056 |
| 4 1-Methylnaphthalene | 142 | | 3.062 | 3.062 | (1.181) | 234293 | 6.74113 | 438.3046 |
| 5 Acenaphthylene | 152 | | 3.532 | 3.532 | (0.975) | 376862 | 6.19527 | 402.8135 |
| 7 Acenaphthene | 154 | | 3.639 | 3.638 | (1.004) | 206248 | 5.76282 | 374.6954 |
| 9 Fluorene | 166 | | 3.954 | 3.953 | (1.091) | 266392 | 6.21467 | 404.0746 |
| 11 Phenanthrene | 178 | | 4.589 | 4.589 | (1.004) | 343473 | 6.23473 | 405.3789 |
| 12 Anthracene | 178 | | 4.621 | 4.626 | (1.011) | 365509 | 6.33941 | 412.1854 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 13 Carbazole | 167 | 4.750 | 4.755 | (1.039) | 339038 | 6.83347 | 444.3090 |
| 15 Fluoranthene | 202 | 5.455 | 5.454 | (1.193) | 412437 | 6.86393 | 446.2890 |
| 16 Pyrene | 202 | 5.620 | 5.620 | (0.853) | 418486 | 7.88690 | 512.8025 |
| 17 Benzo(a)anthracene | 228 | 6.587 | 6.581 | (0.999) | 335615 | 7.30681 | 475.0851 |
| 19 Chrysene | 228 | 6.614 | 6.613 | (1.003) | 340660 | 7.27199 | 472.8212 |
| 20 Benzo(b)fluoranthene | 252 | 7.399 | 7.404 | (0.964) | 354505 | 8.10900 | 527.2431 |
| 21 Benzo(k)fluoranthene | 252 | 7.420 | 7.425 | (0.967) | 371069 | 7.64226 | 496.8962 |
| 22 Benzo(a)pyrene | 252 | 7.623 | 7.628 | (0.993) | 308131 | 6.69721 | 435.4489 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.440 | 8.451 | (1.099) | 328067 | 8.28062 | 538.4015 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.472 | 8.477 | (1.104) | 334780 | 9.18452 | 597.1732 |
| 26 Benzo(g,h,i)perylene | 276 | 8.659 | 8.670 | (1.128) | 342741 | 8.72799 | 567.4898 |

Data File: 1AD09017.D

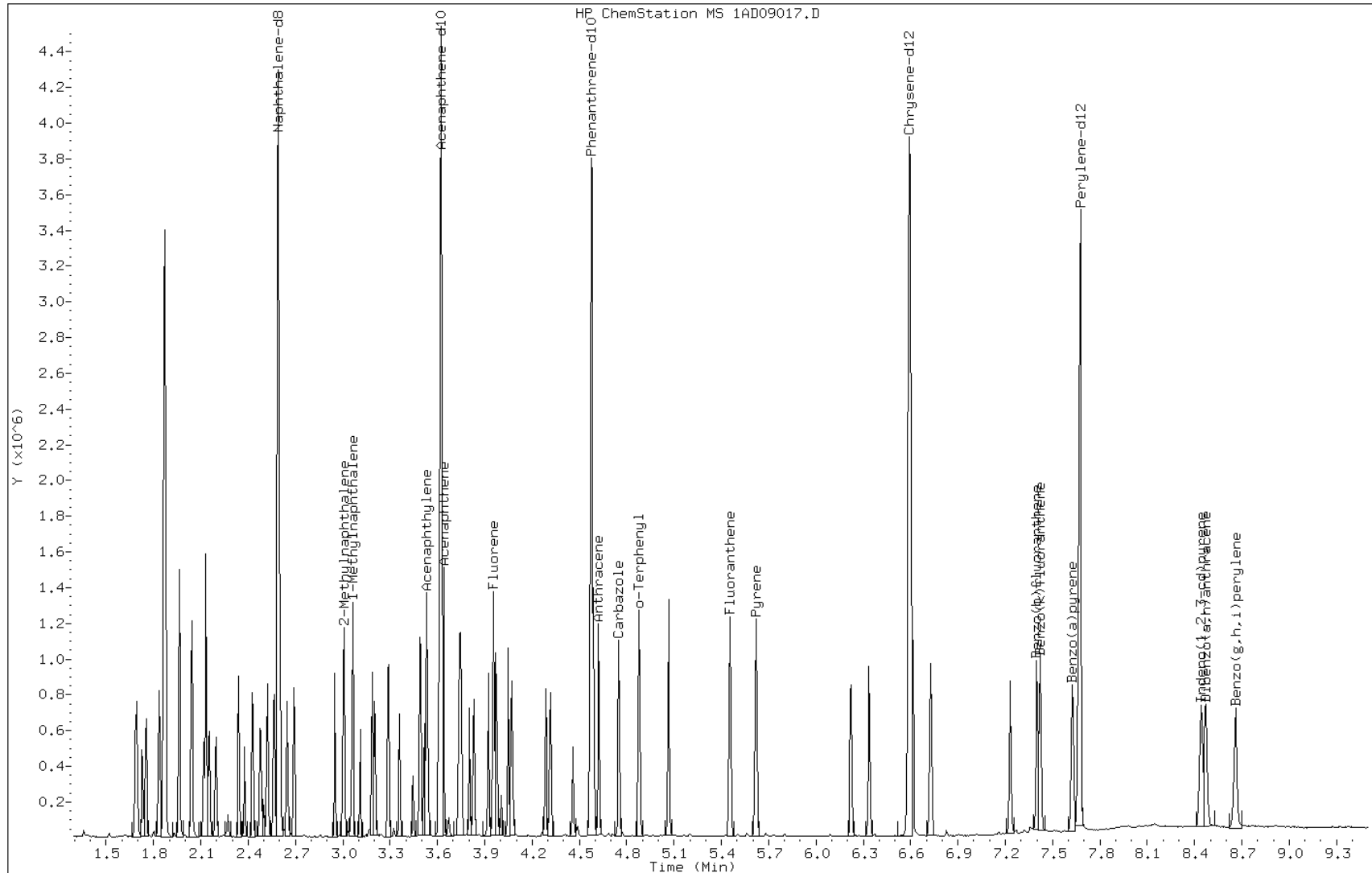
Date: 09-APR-2013 17:17

Client ID:

Instrument: BSMA5973.i

Sample Info: lcs 660-136204/2-a

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: LCS 660-136235/2-A
 Matrix: Solid Lab File ID: 1CD10014.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.26(g) Date Analyzed: 04/10/2013 16:05
 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.: 136309 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 454 | | 98 | 20 |
| 208-96-8 | Acenaphthylene | 520 | | 39 | 4.9 |
| 120-12-7 | Anthracene | 482 | | 8.3 | 4.1 |
| 56-55-3 | Benzo[a]anthracene | 522 | | 7.9 | 3.8 |
| 50-32-8 | Benzo[a]pyrene | 466 | | 10 | 5.1 |
| 205-99-2 | Benzo[b]fluoranthene | 486 | | 12 | 6.0 |
| 191-24-2 | Benzo[g,h,i]perylene | 453 | | 20 | 4.3 |
| 207-08-9 | Benzo[k]fluoranthene | 519 | | 7.9 | 3.5 |
| 218-01-9 | Chrysene | 468 | | 8.8 | 4.4 |
| 53-70-3 | Dibenz(a,h)anthracene | 497 | | 20 | 4.0 |
| 206-44-0 | Fluoranthene | 493 | | 20 | 3.9 |
| 86-73-7 | Fluorene | 484 | | 20 | 4.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 451 | | 20 | 7.0 |
| 90-12-0 | 1-Methylnaphthalene | 512 | | 39 | 4.3 |
| 91-57-6 | 2-Methylnaphthalene | 471 | | 39 | 7.0 |
| 91-20-3 | Naphthalene | 452 | | 39 | 4.3 |
| 85-01-8 | Phenanthrene | 436 | | 7.9 | 3.8 |
| 129-00-0 | Pyrene | 525 | | 20 | 3.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 77 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\1CD10014.D
 Lab Smp Id: LCS 660-136235/2-A
 Inj Date : 10-APR-2013 16:05
 Operator : SCC
 Smp Info : LCS 660-136235/2-A
 Misc Info : RE-RUN FROM A
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C041013.b\A-BFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:25 cantins Quant Type: ISTD
 Cal Date : 02-APR-2013 15:15 Cal File: 1CD02011.D
 Als bottle: 14 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 | 15.260 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 3.680 | 3.680 | (1.000) | 332649 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 4.768 | 4.768 | (1.000) | 240730 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 5.715 | 5.710 | (1.000) | 465300 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 5.962 | 5.963 | (1.043) | 52850 | 7.68408 | 503.5436 |
| * 18 Chrysene-d12 | 240 | | 7.650 | 7.645 | (1.000) | 533002 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 8.821 | 8.809 | (1.000) | 494687 | 40.0000 | |
| 2 Naphthalene | 128 | | 3.692 | 3.692 | (1.003) | 58892 | 6.89278 | 451.6890 |
| 3 2-Methylnaphthalene | 142 | | 4.121 | 4.121 | (1.120) | 41796 | 7.18632 | 470.9252 |
| 4 1-Methylnaphthalene | 142 | | 4.180 | 4.180 | (1.136) | 40927 | 7.82048 | 512.4821 |
| 5 Acenaphthylene | 152 | | 4.680 | 4.680 | (0.981) | 79051 | 7.93428 | 519.9395 |
| 7 Acenaphthene | 154 | | 4.786 | 4.786 | (1.004) | 42751 | 6.92783 | 453.9863 |
| 9 Fluorene | 166 | | 5.109 | 5.104 | (1.072) | 60769 | 7.38705 | 484.0790 |
| 11 Phenanthrene | 178 | | 5.727 | 5.727 | (1.002) | 90257 | 6.66020 | 436.4481 |
| 12 Anthracene | 178 | | 5.762 | 5.763 | (1.008) | 100945 | 7.34816 | 481.5310 |

| Compounds | QUANT SIG | | CONCENTRATIONS | | | | |
|---------------------------|-----------|--------|----------------|---------|----------|----------------------|------------------|
| | MASS | RT | EXP RT | REL RT | RESPONSE | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 13 Carbazole | 167 | 5.874 | 5.868 | (1.028) | 89837 | 7.63304 | 500.1993 |
| 15 Fluoranthene | 202 | 6.562 | 6.557 | (1.148) | 112503 | 7.51717 | 492.6058 |
| 16 Pyrene | 202 | 6.727 | 6.727 | (0.879) | 118255 | 8.00938 | 524.8609 |
| 17 Benzo(a)anthracene | 228 | 7.645 | 7.639 | (0.999) | 121042 | 7.97326 | 522.4943 |
| 19 Chrysene | 228 | 7.668 | 7.668 | (1.002) | 108395 | 7.13678 | 467.6787 |
| 20 Benzo(b)fluoranthene | 252 | 8.480 | 8.474 | (0.961) | 103670 | 7.41283 | 485.7683 |
| 21 Benzo(k)fluoranthene | 252 | 8.503 | 8.498 | (0.964) | 107046 | 7.91396 | 518.6080 |
| 22 Benzo(a)pyrene | 252 | 8.768 | 8.756 | (0.994) | 93667 | 7.11390 | 466.1794 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 9.950 | 9.939 | (1.128) | 86146 | 6.88841 | 451.4033(M) |
| 25 Dibenzo(a,h)anthracene | 278 | 9.968 | 9.950 | (1.130) | 87563 | 7.57955 | 496.6942 |
| 26 Benzo(g,h,i)perylene | 276 | 10.291 | 10.280 | (1.167) | 88223 | 6.91198 | 452.9472 |

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CD10014.D

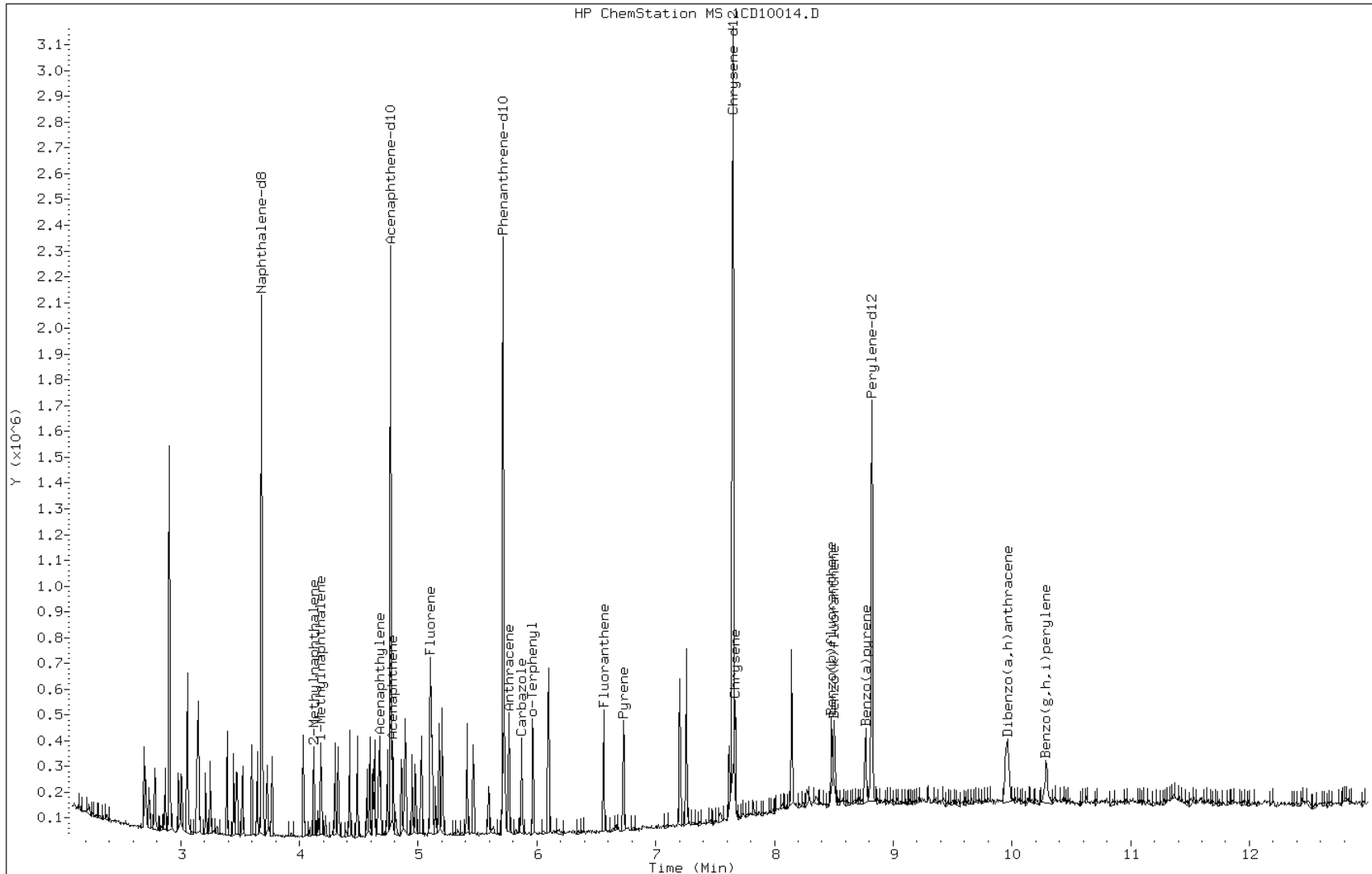
Date: 10-APR-2013 16:05

Client ID:

Instrument: BSMC5973.i

Sample Info: LCS 660-136235/2-A

Operator: SCC

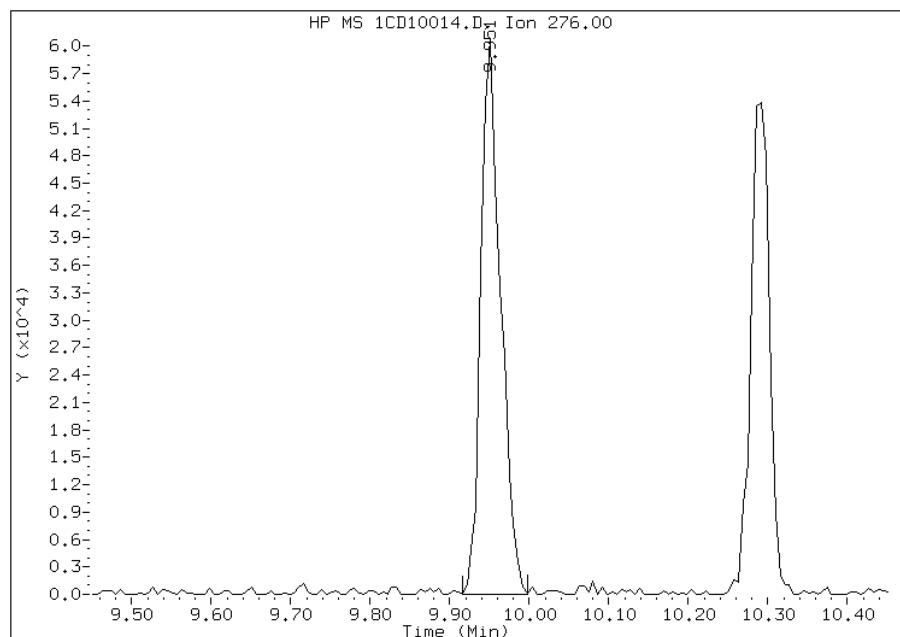


Manual Integration Report

Data File: 1CD10014.D
Inj. Date and Time: 10-APR-2013 16:05
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 04/10/2013

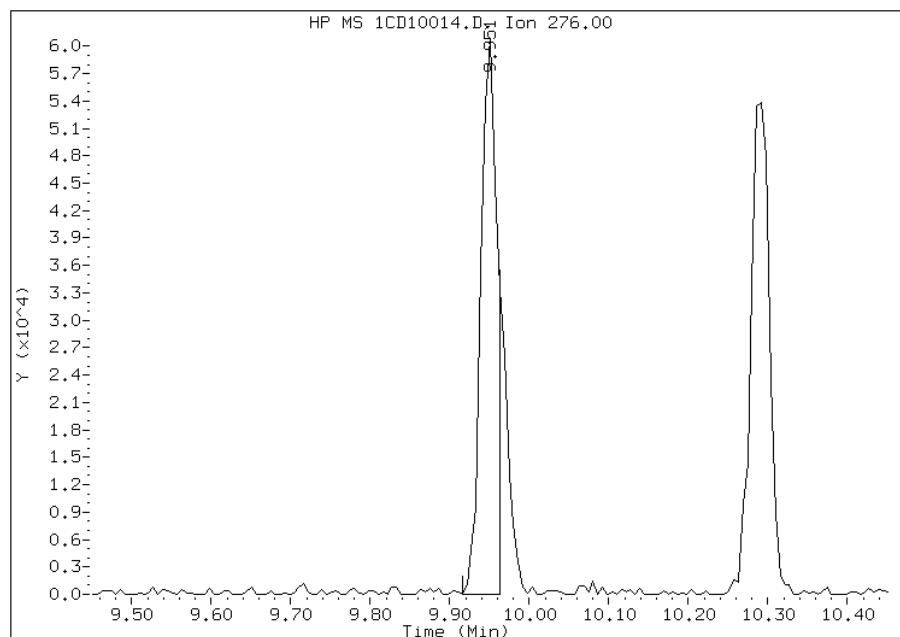
Processing Integration Results

RT: 9.95
Response: 104304
Amount: 8
Conc: 547



Manual Integration Results

RT: 9.95
Response: 86146
Amount: 7
Conc: 451



Manually Integrated By: cantins
Modification Date: 10-Apr-2013 16:21
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: 680-88913-A-2-B MS
 Matrix: Solid Lab File ID: 1AD10013.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.11(g) Date Analyzed: 04/10/2013 15:12
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 41.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 576 | | 170 | 34 |
| 208-96-8 | Acenaphthylene | 602 | | 67 | 8.4 |
| 120-12-7 | Anthracene | 628 | | 14 | 7.1 |
| 56-55-3 | Benzo[a]anthracene | 768 | | 13 | 6.6 |
| 50-32-8 | Benzo[a]pyrene | 715 | | 18 | 8.8 |
| 205-99-2 | Benzo[b]fluoranthene | 819 | | 21 | 10 |
| 191-24-2 | Benzo[g,h,i]perylene | 994 | | 34 | 7.4 |
| 207-08-9 | Benzo[k]fluoranthene | 808 | | 13 | 6.1 |
| 218-01-9 | Chrysene | 827 | | 15 | 7.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 1020 | | 34 | 6.9 |
| 206-44-0 | Fluoranthene | 689 | | 34 | 6.7 |
| 86-73-7 | Fluorene | 602 | | 34 | 6.9 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 931 | | 34 | 12 |
| 90-12-0 | 1-Methylnaphthalene | 694 | | 67 | 7.4 |
| 91-57-6 | 2-Methylnaphthalene | 720 | | 67 | 12 |
| 91-20-3 | Naphthalene | 670 | | 67 | 7.4 |
| 85-01-8 | Phenanthrene | 654 | | 13 | 6.6 |
| 129-00-0 | Pyrene | 818 | | 34 | 6.2 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 57 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10013.D
 Lab Smp Id: 680-88913-a-2-b ms
 Inj Date : 10-APR-2013 15:12
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88913-a-2-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 13 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 | 15.110 | 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.588 | 2.584 | (1.000) | 1575822 | 40.0000 | | |
| * 6 Acenaphthene-d10 | 164 | | 3.619 | 3.615 | (1.000) | 867858 | 40.0000 | | |
| * 10 Phenanthrene-d10 | 188 | | 4.570 | 4.571 | (1.000) | 1416367 | 40.0000 | | |
| \$ 14 o-Terphenyl | 230 | | 4.869 | 4.870 | (1.065) | 171825 | 5.70802 | 377.7641 | |
| * 18 Chrysene-d12 | 240 | | 6.589 | 6.584 | (1.000) | 1259358 | 40.0000 | | |
| * 23 Perylene-d12 | 264 | | 7.668 | 7.663 | (1.000) | 1561065 | 40.0000 | | |
| 2 Naphthalene | 128 | | 2.599 | 2.600 | (1.004) | 325502 | 5.97385 | 395.3571 | |
| 3 2-Methylnaphthalene | 141 | | 3.005 | 3.000 | (1.161) | 200581 | 6.41379 | 424.4731 | |
| 4 1-Methylnaphthalene | 142 | | 3.058 | 3.059 | (1.182) | 223142 | 6.18809 | 409.5360 | |
| 5 Acenaphthylene | 152 | | 3.528 | 3.524 | (0.975) | 339276 | 5.36993 | 355.3889 | |
| 7 Acenaphthene | 154 | | 3.635 | 3.636 | (1.004) | 191555 | 5.13515 | 339.8512 | |
| 9 Fluorene | 166 | | 3.950 | 3.951 | (1.091) | 239819 | 5.36483 | 355.0513 | |
| 11 Phenanthrene | 178 | | 4.581 | 4.581 | (1.002) | 315707 | 5.83044 | 385.8663 | |
| 12 Anthracene | 178 | | 4.618 | 4.619 | (1.011) | 319557 | 5.59845 | 370.5126 | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ===== | ===== | ===== | ===== | ===== | ===== | ===== | |
| 13 Carbazole | 167 | 4.746 | 4.747 | (1.039) | 272082 | 5.50711 | 364.4680 |
| 15 Fluoranthene | 202 | 5.446 | 5.447 | (1.192) | 363027 | 6.13834 | 406.2436 |
| 16 Pyrene | 202 | 5.612 | 5.612 | (0.852) | 353836 | 7.29131 | 482.5487 |
| 17 Benzo(a)anthracene | 228 | 6.578 | 6.574 | (0.998) | 287550 | 6.84507 | 453.0159 |
| 19 Chrysene | 228 | 6.605 | 6.606 | (1.002) | 315744 | 7.36963 | 487.7316 |
| 20 Benzo(b)fluoranthene | 252 | 7.395 | 7.391 | (0.964) | 345548 | 7.30017 | 483.1352 |
| 21 Benzo(k)fluoranthene | 252 | 7.411 | 7.412 | (0.967) | 378382 | 7.19743 | 476.3357 |
| 22 Benzo(a)pyrene | 252 | 7.620 | 7.615 | (0.994) | 319488 | 6.37434 | 421.8622 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.432 | 8.427 | (1.100) | 355937 | 8.29679 | 549.0926 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.458 | 8.459 | (1.103) | 357637 | 9.06190 | 599.7288 |
| 26 Benzo(g,h,i)perylene | 276 | 8.651 | 8.651 | (1.128) | 376606 | 8.85759 | 586.2069 |

Data File: 1AD10013.D

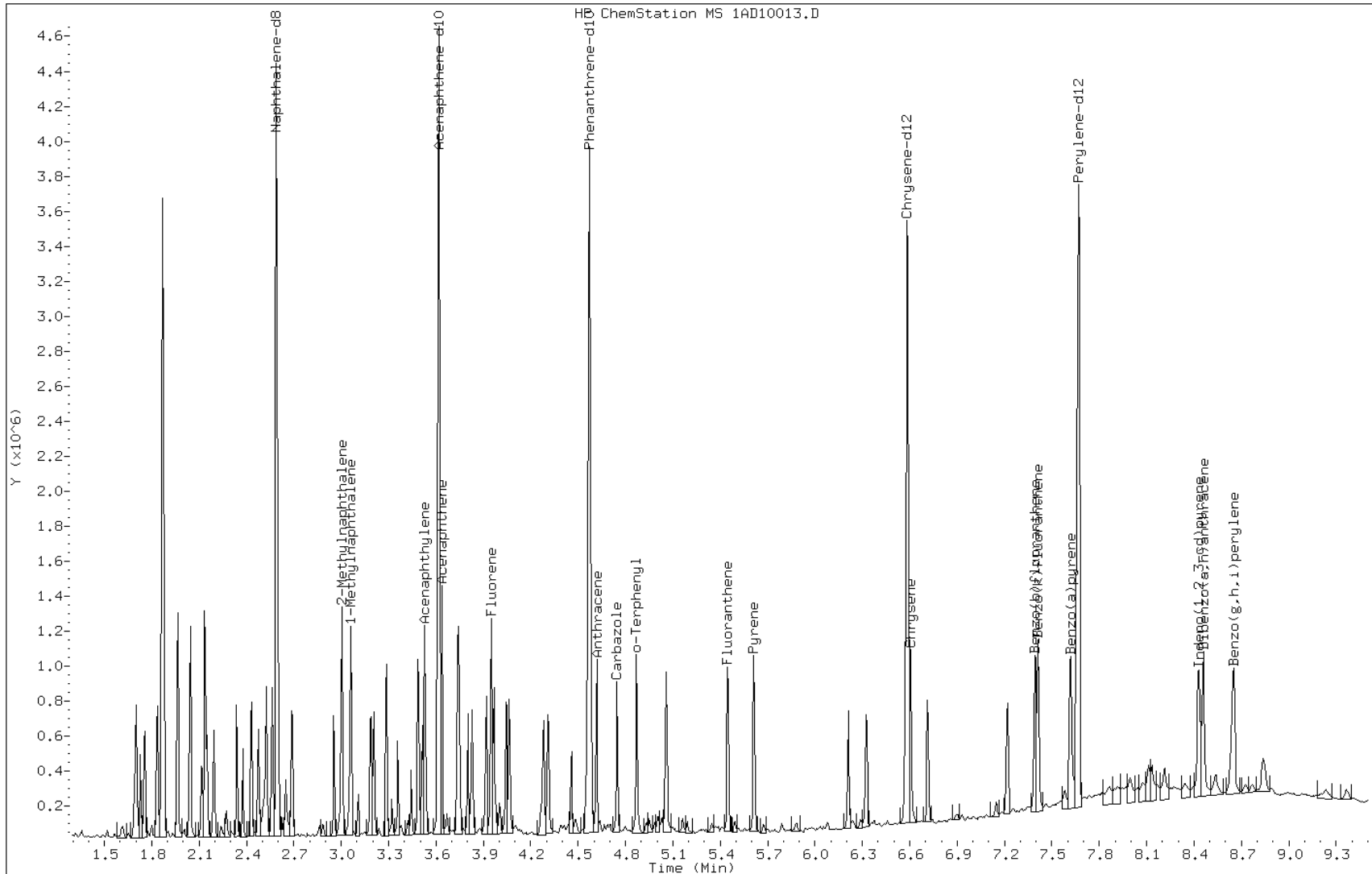
Date: 10-APR-2013 15:12

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-88913-a-2-b ms

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1127B-CS MS Lab Sample ID: 680-88811-62 MS
 Matrix: Solid Lab File ID: 1AD09020.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 10:38
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 14.94 (g) Date Analyzed: 04/09/2013 18:03
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: 18.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 376 | | 120 | 25 |
| 208-96-8 | Acenaphthylene | 402 | | 50 | 6.2 |
| 120-12-7 | Anthracene | 415 | | 10 | 5.2 |
| 56-55-3 | Benzo[a]anthracene | 482 | | 9.9 | 4.8 |
| 50-32-8 | Benzo[a]pyrene | 459 | | 13 | 6.4 |
| 205-99-2 | Benzo[b]fluoranthene | 647 | | 15 | 7.6 |
| 191-24-2 | Benzo[g,h,i]perylene | 623 | | 25 | 5.4 |
| 207-08-9 | Benzo[k]fluoranthene | 449 | | 9.9 | 4.5 |
| 218-01-9 | Chrysene | 543 | | 11 | 5.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 633 | | 25 | 5.1 |
| 206-44-0 | Fluoranthene | 464 | | 25 | 5.0 |
| 86-73-7 | Fluorene | 401 | | 25 | 5.1 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 592 | | 25 | 8.8 |
| 90-12-0 | 1-Methylnaphthalene | 443 | | 50 | 5.4 |
| 91-57-6 | 2-Methylnaphthalene | 468 | | 50 | 8.8 |
| 91-20-3 | Naphthalene | 437 | | 50 | 5.4 |
| 85-01-8 | Phenanthrene | 467 | | 9.9 | 4.8 |
| 129-00-0 | Pyrene | 565 | | 25 | 4.6 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 50 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09020.D
 Lab Smp Id: 680-88811-a-62-b ms
 Inj Date : 09-APR-2013 18:03
 Operator : SCC
 Smp Info : 680-88811-a-62-b ms
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 20 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 | 14.940 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.591 | 2.591 | (1.000) | 1748759 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.622 | 3.622 | (1.000) | 960900 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.578 | 4.573 | (1.000) | 1567181 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.883 | 4.877 | (1.066) | 168290 | 4.98413 | 333.6095 |
| * 18 Chrysene-d12 | 240 | | 6.602 | 6.597 | (1.000) | 1379129 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.687 | 7.676 | (1.000) | 1623227 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.602 | 2.602 | (1.004) | 324486 | 5.29199 | 354.2160 |
| 3 2-Methylnaphthalene | 141 | | 3.008 | 3.008 | (1.161) | 199721 | 5.66654 | 379.2864 |
| 4 1-Methylnaphthalene | 142 | | 3.067 | 3.062 | (1.183) | 219323 | 5.36604 | 359.1728 |
| 5 Acenaphthylene | 152 | | 3.531 | 3.532 | (0.975) | 343343 | 4.87122 | 326.0519 |
| 7 Acenaphthene | 154 | | 3.643 | 3.638 | (1.006) | 190873 | 4.54935 | 304.5079 |
| 9 Fluorene | 166 | | 3.958 | 3.953 | (1.093) | 242954 | 4.85744 | 325.1299 |
| 11 Phenanthrene | 178 | | 4.594 | 4.589 | (1.004) | 340113 | 5.65536 | 378.5380 |
| 12 Anthracene | 178 | | 4.626 | 4.626 | (1.010) | 321241 | 5.02656 | 336.4497 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| ----- | ---- | ---- | ----- | ----- | ----- | ----- | ----- |
| 13 Carbazole | 167 | 4.754 | 4.755 | (1.038) | 277735 | 5.04129 | 337.4355(R) |
| 15 Fluoranthene | 202 | 5.459 | 5.454 | (1.192) | 370268 | 5.61694 | 375.9667 |
| 16 Pyrene | 202 | 5.625 | 5.620 | (0.852) | 364010 | 6.84954 | 458.4697 |
| 17 Benzo(a)anthracene | 228 | 6.592 | 6.581 | (0.998) | 268853 | 5.84418 | 391.1768 |
| 19 Chrysene | 228 | 6.618 | 6.613 | (1.002) | 308605 | 6.57745 | 440.2577 |
| 20 Benzo(b)fluoranthene | 252 | 7.409 | 7.404 | (0.964) | 385960 | 7.84167 | 524.8777 |
| 21 Benzo(k)fluoranthene | 252 | 7.425 | 7.425 | (0.966) | 297424 | 5.44083 | 364.1785 |
| 22 Benzo(a)pyrene | 252 | 7.633 | 7.628 | (0.993) | 294900 | 5.55473 | 371.8026 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.450 | 8.451 | (1.099) | 317224 | 7.16841 | 479.8134 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.482 | 8.477 | (1.104) | 314853 | 7.67232 | 513.5419 |
| 26 Benzo(g,h,i)perylene | 276 | 8.675 | 8.670 | (1.129) | 333658 | 7.54695 | 505.1505 |

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: 1AD09020.D

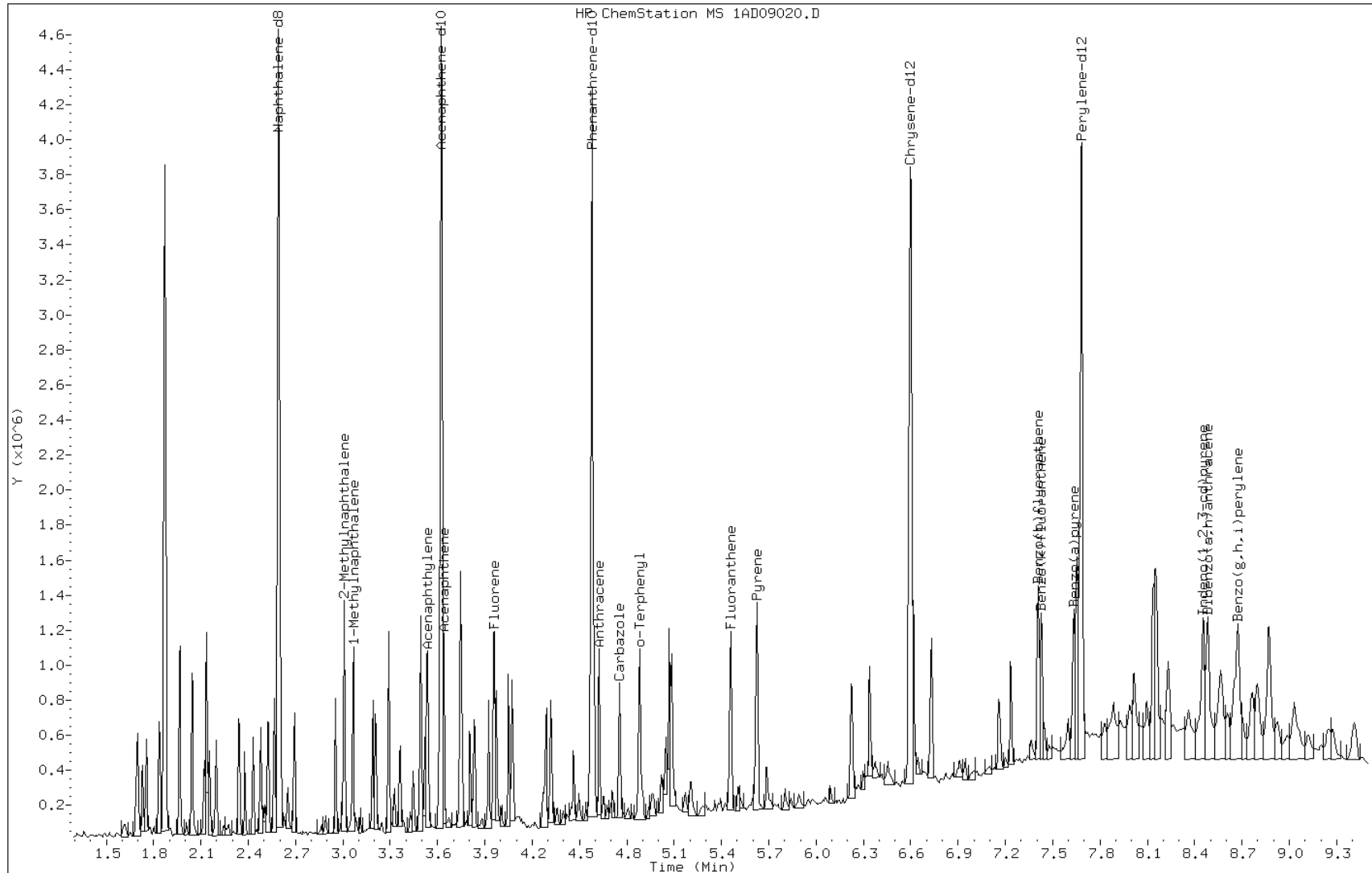
Date: 09-APR-2013 18:03

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-b ms

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: _____ Lab Sample ID: 680-88913-A-2-C MSD
 Matrix: Solid Lab File ID: 1AD10014.D
 Analysis Method: 8270C LL Date Collected: _____
 Extract. Method: 3546 Date Extracted: 04/08/2013 15:18
 Sample wt/vol: 15.00(g) Date Analyzed: 04/10/2013 15:27
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 41.0 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136318 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 584 | | 170 | 34 |
| 208-96-8 | Acenaphthylene | 612 | | 68 | 8.5 |
| 120-12-7 | Anthracene | 620 | | 14 | 7.1 |
| 56-55-3 | Benzo[a]anthracene | 761 | | 14 | 6.6 |
| 50-32-8 | Benzo[a]pyrene | 699 | | 18 | 8.8 |
| 205-99-2 | Benzo[b]fluoranthene | 817 | | 21 | 10 |
| 191-24-2 | Benzo[g,h,i]perylene | 948 | | 34 | 7.5 |
| 207-08-9 | Benzo[k]fluoranthene | 770 | | 14 | 6.1 |
| 218-01-9 | Chrysene | 783 | | 15 | 7.6 |
| 53-70-3 | Dibenz(a,h)anthracene | 1000 | | 34 | 7.0 |
| 206-44-0 | Fluoranthene | 674 | | 34 | 6.8 |
| 86-73-7 | Fluorene | 596 | | 34 | 7.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 898 | | 34 | 12 |
| 90-12-0 | 1-Methylnaphthalene | 708 | | 68 | 7.5 |
| 91-57-6 | 2-Methylnaphthalene | 729 | | 68 | 12 |
| 91-20-3 | Naphthalene | 686 | | 68 | 7.5 |
| 85-01-8 | Phenanthrene | 642 | | 14 | 6.6 |
| 129-00-0 | Pyrene | 794 | | 34 | 6.3 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 58 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\1AD10014.D
 Lab Smp Id: 680-88913-a-2-c msd
 Inj Date : 10-APR-2013 15:27
 Operator : SCC Inst ID: BSMA5973.i
 Smp Info : 680-88913-a-2-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A041013.b\a-bFASTPAHi-m.m
 Meth Date : 10-Apr-2013 12:54 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 14 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 | 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/ml) | FINAL (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | 2.588 | 2.584 | (1.000) | 1581304 | 40.0000 | | | |
| * 6 Acenaphthene-d10 | 164 | 3.619 | 3.615 | (1.000) | 854618 | 40.0000 | | | |
| * 10 Phenanthrene-d10 | 188 | 4.570 | 4.571 | (1.000) | 1373331 | 40.0000 | | | |
| \$ 14 o-Terphenyl | 230 | 4.869 | 4.870 | (1.065) | 169572 | 5.82225 | 388.1502 | | |
| * 18 Chrysene-d12 | 240 | 6.589 | 6.584 | (1.000) | 1260635 | 40.0000 | | | |
| * 23 Perylene-d12 | 264 | 7.668 | 7.663 | (1.000) | 1578961 | 40.0000 | | | |
| 2 Naphthalene | 128 | 2.599 | 2.600 | (1.004) | 331404 | 6.07373 | 404.9155 | | |
| 3 2-Methylnaphthalene | 141 | 3.005 | 3.000 | (1.161) | 202185 | 6.44711 | 429.8070 | | |
| 4 1-Methylnaphthalene | 142 | 3.058 | 3.059 | (1.182) | 226184 | 6.26269 | 417.5129 | | |
| 5 Acenaphthylene | 152 | 3.528 | 3.524 | (0.975) | 336667 | 5.41518 | 361.0120 | | |
| 7 Acenaphthene | 154 | 3.635 | 3.636 | (1.004) | 189587 | 5.16551 | 344.3674 | | |
| 9 Fluorene | 166 | 3.950 | 3.951 | (1.091) | 232596 | 5.27369 | 351.5790 | | |
| 11 Phenanthrene | 178 | 4.581 | 4.581 | (1.002) | 299330 | 5.68316 | 378.8776 | | |
| 12 Anthracene | 178 | 4.618 | 4.619 | (1.011) | 304187 | 5.48277 | 365.5181 | | |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 13 Carbazole | 167 | 4.746 | 4.747 | (1.039) | 279659 | 5.87346 | 391.5641 |
| 15 Fluoranthene | 202 | 5.446 | 5.447 | (1.192) | 343043 | 5.96789 | 397.8592 |
| 16 Pyrene | 202 | 5.611 | 5.612 | (0.852) | 341377 | 7.02745 | 468.4966 |
| 17 Benzo(a)anthracene | 228 | 6.578 | 6.574 | (0.998) | 283236 | 6.73555 | 449.0364 |
| 19 Chrysene | 228 | 6.605 | 6.606 | (1.002) | 296958 | 6.92413 | 461.6086 |
| 20 Benzo(b)fluoranthene | 252 | 7.390 | 7.391 | (0.964) | 345929 | 7.22539 | 481.6926 |
| 21 Benzo(k)fluoranthene | 252 | 7.411 | 7.412 | (0.967) | 362491 | 6.81701 | 454.4674 |
| 22 Benzo(a)pyrene | 252 | 7.620 | 7.615 | (0.994) | 314734 | 6.18426 | 412.2842 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.431 | 8.427 | (1.100) | 343807 | 7.94123 | 529.4153 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.458 | 8.459 | (1.103) | 354954 | 8.89198 | 592.7989 |
| 26 Benzo(g,h,i)perylene | 276 | 8.650 | 8.651 | (1.128) | 360845 | 8.39071 | 559.3803 |

Data File: 1AD10014.D

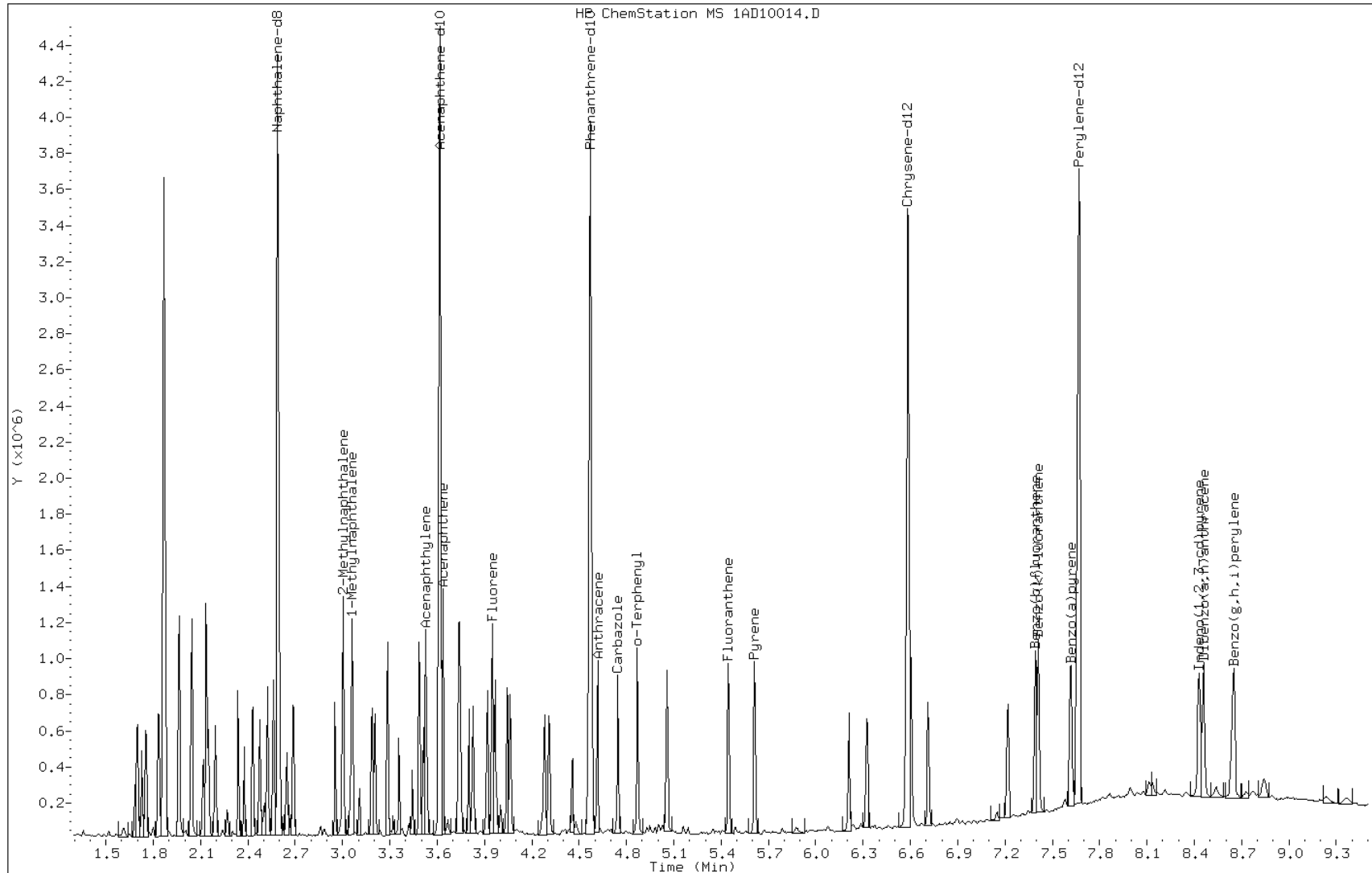
Date: 10-APR-2013 15:27

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-88913-a-2-c msd

Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4
 SDG No.: 68088811-4
 Client Sample ID: CV1127B-CS MSD Lab Sample ID: 680-88811-62 MSD
 Matrix: Solid Lab File ID: 1AD09021.D
 Analysis Method: 8270C LL Date Collected: 03/28/2013 10:38
 Extract. Method: 3546 Date Extracted: 04/08/2013 09:32
 Sample wt/vol: 15.17(g) Date Analyzed: 04/09/2013 18:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 1(uL) Level: (low/med) Low
 % Moisture: 18.9 GPC Cleanup: (Y/N) N
 Analysis Batch No.: 136269 Units: ug/Kg

| CAS NO. | COMPOUND NAME | RESULT | Q | RL | MDL |
|----------|------------------------|--------|---|-----|-----|
| 83-32-9 | Acenaphthene | 427 | | 120 | 24 |
| 208-96-8 | Acenaphthylene | 443 | | 49 | 6.1 |
| 120-12-7 | Anthracene | 470 | | 10 | 5.1 |
| 56-55-3 | Benzo[a]anthracene | 566 | | 9.8 | 4.8 |
| 50-32-8 | Benzo[a]pyrene | 519 | | 13 | 6.3 |
| 205-99-2 | Benzo[b]fluoranthene | 702 | | 15 | 7.4 |
| 191-24-2 | Benzo[g,h,i]perylene | 709 | | 24 | 5.4 |
| 207-08-9 | Benzo[k]fluoranthene | 541 | | 9.8 | 4.4 |
| 218-01-9 | Chrysene | 645 | | 11 | 5.5 |
| 53-70-3 | Dibenz(a,h)anthracene | 713 | | 24 | 5.0 |
| 206-44-0 | Fluoranthene | 524 | | 24 | 4.9 |
| 86-73-7 | Fluorene | 428 | | 24 | 5.0 |
| 193-39-5 | Indeno[1,2,3-cd]pyrene | 665 | | 24 | 8.7 |
| 90-12-0 | 1-Methylnaphthalene | 538 | | 49 | 5.4 |
| 91-57-6 | 2-Methylnaphthalene | 558 | | 49 | 8.7 |
| 91-20-3 | Naphthalene | 520 | | 49 | 5.4 |
| 85-01-8 | Phenanthrene | 562 | | 9.8 | 4.8 |
| 129-00-0 | Pyrene | 620 | | 24 | 4.5 |

| CAS NO. | SURROGATE | %REC | Q | LIMITS |
|---------|-------------|------|---|--------|
| 84-15-1 | o-Terphenyl | 59 | | 30-130 |

TestAmerica Laboratories

Semivolatiles 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\1AD09021.D
 Lab Smp Id: 680-88811-a-62-c ms
 Inj Date : 09-APR-2013 18:18
 Operator : SCC
 Smp Info : 680-88811-a-62-c msd
 Misc Info :
 Comment :
 Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A040913_IC.b\a-bFASTPAHi-m.m
 Meth Date : 09-Apr-2013 14:20 cantins Quant Type: ISTD
 Cal Date : 09-APR-2013 12:03 Cal File: 1AD09009.D
 Als bottle: 21 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 | 15.170 | 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 | FINAL |
| | MASS | | | | | | (ug/ml) | (ug/Kg) |
| * 1 Naphthalene-d8 | 136 | | 2.592 | 2.591 | (1.000) | 1677219 | 40.0000 | |
| * 6 Acenaphthene-d10 | 164 | | 3.623 | 3.622 | (1.000) | 937268 | 40.0000 | |
| * 10 Phenanthrene-d10 | 188 | | 4.579 | 4.573 | (1.000) | 1492622 | 40.0000 | |
| \$ 14 o-Terphenyl | 230 | | 4.883 | 4.877 | (1.066) | 185366 | 5.86007 | 386.2933 |
| * 18 Chrysene-d12 | 240 | | 6.603 | 6.597 | (1.000) | 1306292 | 40.0000 | |
| * 23 Perylene-d12 | 264 | | 7.687 | 7.676 | (1.000) | 1571839 | 40.0000 | |
| 2 Naphthalene | 128 | | 2.603 | 2.602 | (1.004) | 367899 | 6.40085 | 421.9410 |
| 3 2-Methylnaphthalene | 141 | | 3.008 | 3.008 | (1.161) | 226392 | 6.86513 | 452.5465 |
| 4 1-Methylnaphthalene | 142 | | 3.067 | 3.062 | (1.183) | 250998 | 6.61101 | 435.7950 |
| 5 Acenaphthylene | 152 | | 3.532 | 3.532 | (0.975) | 370928 | 5.44259 | 358.7735 |
| 7 Acenaphthene | 154 | | 3.644 | 3.638 | (1.006) | 210702 | 5.24649 | 345.8466 |
| 9 Fluorene | 166 | | 3.959 | 3.953 | (1.093) | 254737 | 5.26547 | 347.0975 |
| 11 Phenanthrene | 178 | | 4.595 | 4.589 | (1.003) | 385472 | 6.91720 | 455.9789 |
| 12 Anthracene | 178 | | 4.627 | 4.626 | (1.010) | 346384 | 5.78083 | 381.0701 |

| Compounds | QUANT SIG | RT | EXP RT | REL RT | RESPONSE | CONCENTRATIONS | |
|---------------------------|-----------|-------|--------|---------|----------|----------------------|------------------|
| | | | | | | ON-COLUMN (ug/ml) | FINAL (ug/Kg) |
| 13 Carbazole | 167 | 4.755 | 4.755 | (1.038) | 281429 | 5.39523 | 355.6515 |
| 15 Fluoranthene | 202 | 5.460 | 5.454 | (1.192) | 399723 | 6.44080 | 424.5751 |
| 16 Pyrene | 202 | 5.626 | 5.620 | (0.852) | 383874 | 7.62608 | 502.7079 |
| 17 Benzo(a)anthracene | 228 | 6.592 | 6.581 | (0.998) | 303358 | 6.96192 | 458.9267 |
| 19 Chrysene | 228 | 6.619 | 6.613 | (1.002) | 352447 | 7.93073 | 522.7902 |
| 20 Benzo(b)fluoranthene | 252 | 7.409 | 7.404 | (0.964) | 411613 | 8.63628 | 569.3000 |
| 21 Benzo(k)fluoranthene | 252 | 7.431 | 7.425 | (0.967) | 352375 | 6.65680 | 438.8131 |
| 22 Benzo(a)pyrene | 252 | 7.634 | 7.628 | (0.993) | 322250 | 6.38697 | 421.0266 |
| 24 Indeno(1,2,3-cd)pyrene | 276 | 8.456 | 8.451 | (1.100) | 353065 | 8.17938 | 539.1815 |
| 25 Dibenzo(a,h)anthracene | 278 | 8.488 | 8.477 | (1.104) | 348673 | 8.77421 | 578.3925 |
| 26 Benzo(g,h,i)perylene | 276 | 8.681 | 8.670 | (1.129) | 373421 | 8.72248 | 574.9820 |

Data File: 1AD09021.D

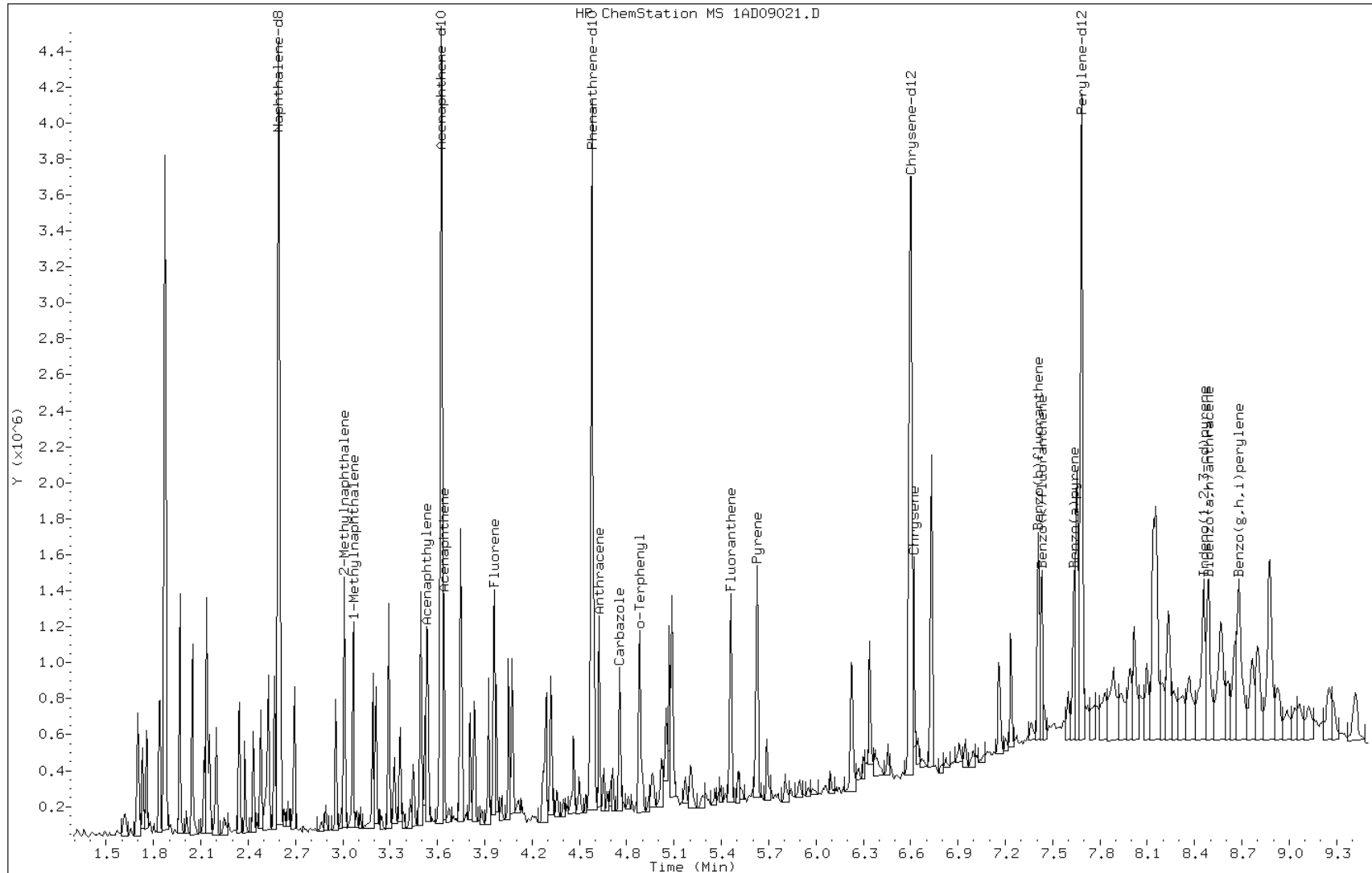
Date: 09-APR-2013 18:18

Client ID:

Instrument: BSMA5973.i

Sample Info: 680-88811-a-62-c msd

Operator: SCC



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica TampaJob No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973Start Date: 04/09/2013 09:45Analysis Batch Number: 136269End Date: 04/09/2013 22:49

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/09/2013 09:45 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 10:03 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136269/2 | | 04/09/2013 10:18 | 1 | 1AD09002.D | DB-5MS 250 (um) |
| ICIS 660-136269/3 | | 04/09/2013 10:31 | 1 | 1AD09003.D | DB-5MS 250 (um) |
| IC 660-136269/4 | | 04/09/2013 10:48 | 1 | 1AD09004.D | DB-5MS 250 (um) |
| IC 660-136269/5 | | 04/09/2013 11:04 | 1 | 1AD09005.D | DB-5MS 250 (um) |
| IC 660-136269/6 | | 04/09/2013 11:19 | 1 | 1AD09006.D | DB-5MS 250 (um) |
| IC 660-136269/7 | | 04/09/2013 11:33 | 1 | 1AD09007.D | DB-5MS 250 (um) |
| IC 660-136269/8 | | 04/09/2013 11:49 | 1 | 1AD09008.D | DB-5MS 250 (um) |
| IC 660-136269/9 | | 04/09/2013 12:03 | 1 | 1AD09009.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 12:19 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 13:15 | 1 | | DB-5MS 250 (um) |
| ICV 660-136269/12 | | 04/09/2013 13:51 | 1 | 1AD09012.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 15:35 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 15:50 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 16:05 | 4 | | DB-5MS 250 (um) |
| MB 660-136204/1-A | | 04/09/2013 17:02 | 1 | 1AD09016.D | DB-5MS 250 (um) |
| LCS 660-136204/2-A | | 04/09/2013 17:17 | 1 | 1AD09017.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 17:33 | 1 | | DB-5MS 250 (um) |
| 680-88811-62 | CV1127B-CS | 04/09/2013 17:48 | 1 | 1AD09019.D | DB-5MS 250 (um) |
| 680-88811-62 MS | CV1127B-CS MS | 04/09/2013 18:03 | 1 | 1AD09020.D | DB-5MS 250 (um) |
| 680-88811-62 MSD | CV1127B-CS MSD | 04/09/2013 18:18 | 1 | 1AD09021.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 18:33 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 18:48 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 19:03 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 19:18 | 1 | | DB-5MS 250 (um) |
| 680-88811-67 | CV1056A-CSD | 04/09/2013 19:33 | 4 | 1AD09026.D | DB-5MS 250 (um) |
| 680-88811-68 | CV1056B-CS | 04/09/2013 19:48 | 4 | 1AD09027.D | DB-5MS 250 (um) |
| 680-88811-69 | CV1124A-CS | 04/09/2013 20:03 | 4 | 1AD09028.D | DB-5MS 250 (um) |
| 680-88811-70 | CV1124B-CS | 04/09/2013 20:18 | 1 | 1AD09029.D | DB-5MS 250 (um) |
| 680-88811-71 | CV1126A-CS | 04/09/2013 20:33 | 1 | 1AD09030.D | DB-5MS 250 (um) |
| 680-88811-72 | CV1126B-CS | 04/09/2013 20:49 | 1 | 1AD09031.D | DB-5MS 250 (um) |
| 680-88811-73 | CV1138A-CS | 04/09/2013 21:04 | 1 | 1AD09032.D | DB-5MS 250 (um) |
| 680-88811-74 | CV1138B-CS | 04/09/2013 21:19 | 4 | 1AD09033.D | DB-5MS 250 (um) |
| 680-88811-75 | CV1140A-CS | 04/09/2013 21:34 | 1 | 1AD09034.D | DB-5MS 250 (um) |
| 680-88811-76 | CV1140B-CS | 04/09/2013 21:49 | 1 | 1AD09035.D | DB-5MS 250 (um) |
| 680-88811-77 | CV1052A-CS | 04/09/2013 22:04 | 4 | 1AD09036.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 22:19 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 22:34 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/09/2013 22:49 | 4 | | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMA5973 Start Date: 04/10/2013 11:48Analysis Batch Number: 136318 End Date: 04/10/2013 15:27

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|---------------------|------------------|------------------|-----------------|-------------|-----------------|
| ZZZZZ | | 04/10/2013 11:48 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 12:03 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136318/2 | | 04/10/2013 12:19 | 1 | 1AD10002.D | DB-5MS 250 (um) |
| CCVIS 660-136318/3 | | 04/10/2013 12:41 | 1 | 1AD10003.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 12:57 | 1 | | DB-5MS 250 (um) |
| MB 660-136235/1-A | | 04/10/2013 13:12 | 1 | 1AD10005.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 13:27 | 1 | | DB-5MS 250 (um) |
| 680-88811-81 | CV1136A-CS | 04/10/2013 13:42 | 4 | 1AD10007.D | DB-5MS 250 (um) |
| 680-88811-82 | CV1141A-CS | 04/10/2013 13:57 | 4 | 1AD10008.D | DB-5MS 250 (um) |
| 680-88811-83 | CV1141A-CSD | 04/10/2013 14:12 | 4 | 1AD10009.D | DB-5MS 250 (um) |
| 680-88811-84 | CV1058A-CS | 04/10/2013 14:27 | 4 | 1AD10010.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 14:57 | 1 | | DB-5MS 250 (um) |
| 680-88913-A-2-B MS | | 04/10/2013 15:12 | 1 | 1AD10013.D | DB-5MS 250 (um) |
| 680-88913-A-2-C MSD | | 04/10/2013 15:27 | 1 | 1AD10014.D | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMC5973 Start Date: 04/02/2013 10:54Analysis Batch Number: 136048 End Date: 04/02/2013 15:34

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|--------------------|-------------|-----------------|
| ZZZZZ | | 04/02/2013 10:54 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/02/2013 11:13 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136048/2 | | 04/02/2013 11:31 | 1 | 1CD02002.D | DB-5MS 250 (um) |
| CCVIS 660-136048/3 | | 04/02/2013 11:49 | 1 | | DB-5MS 250 (um) |
| CCVIS 660-136048/4 | | 04/02/2013 12:09 | 1 | | DB-5MS 250 (um) |
| IC 660-136048/5 | | 04/02/2013 13:26 | 1 | 1CD02005.D | DB-5MS 250 (um) |
| IC 660-136048/6 | | 04/02/2013 13:44 | 1 | 1CD02006.D | DB-5MS 250 (um) |
| IC 660-136048/7 | | 04/02/2013 14:02 | 1 | 1CD02007.D | DB-5MS 250 (um) |
| IC 660-136048/8 | | 04/02/2013 14:20 | 1 | 1CD02008.D | DB-5MS 250 (um) |
| ICIS 660-136048/9 | | 04/02/2013 14:39 | 1 | 1CD02009.D | DB-5MS 250 (um) |
| IC 660-136048/10 | | 04/02/2013 14:57 | 1 | 1CD02010.D | DB-5MS 250 (um) |
| IC 660-136048/11 | | 04/02/2013 15:15 | 1 | 1CD02011.D | DB-5MS 250 (um) |
| ICV 660-136048/12 | | 04/02/2013 15:34 | 1 | 1CD02012.D | DB-5MS 250 (um) |

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Instrument ID: BSMC5973 Start Date: 04/10/2013 11:17Analysis Batch Number: 136309 End Date: 04/10/2013 16:05

| LAB SAMPLE ID | CLIENT SAMPLE ID | DATE ANALYZED | DILUTION FACTOR | LAB FILE ID | COLUMN ID |
|--------------------|------------------|------------------|-----------------|-------------|-----------------|
| ZZZZZ | | 04/10/2013 11:17 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 11:35 | 1 | | DB-5MS 250 (um) |
| DFTPP 660-136309/2 | | 04/10/2013 11:53 | 1 | 1CD10002.D | DB-5MS 250 (um) |
| CCVIS 660-136309/3 | | 04/10/2013 12:10 | 1 | 1CD10003.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 12:28 | 1 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 12:47 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 13:05 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 13:24 | 1 | | DB-5MS 250 (um) |
| 680-88811-78 | CV1052B-CS | 04/10/2013 13:42 | 4 | 1CD10008.D | DB-5MS 250 (um) |
| 680-88811-79 | CV1054A-CS | 04/10/2013 14:00 | 4 | 1CD10009.D | DB-5MS 250 (um) |
| 680-88811-80 | CV1054B-CS | 04/10/2013 14:19 | 4 | 1CD10010.D | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 14:37 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 14:55 | 4 | | DB-5MS 250 (um) |
| ZZZZZ | | 04/10/2013 15:42 | 4 | | DB-5MS 250 (um) |
| LCS 660-136235/2-A | | 04/10/2013 16:05 | 1 | 1CD10014.D | DB-5MS 250 (um) |

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Batch Number: 136204 Batch Start Date: 04/08/13 09:32 Batch Analyst: Nolan, RyanBatch Method: 3546 Batch End Date: 04/09/13 09:30

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | EX-625LVI SPK 00021 | EXLLSURINT 00178 | | |
|-----------------------|------------------|-------------------|-------|---------------|-------------|------------------------|---------------------|--|--|
| MB 660-136204/1 | | 3546, 8270C LL | | 15.20 g | 1 mL | | 1 mL | | |
| LCS 660-136204/2 | | 3546, 8270C LL | | 15.38 g | 1 mL | 1 mL | 1 mL | | |
| 680-88811-A-62 | CV1127B-CS | 3546, 8270C LL | T | 15.03 g | 1 mL | | 1 mL | | |
| 680-88811-A-62 MS | CV1127B-CS | 3546, 8270C LL | T | 14.94 g | 1 mL | 1 mL | 1 mL | | |
| 680-88811-A-62 MSD | CV1127B-CS | 3546, 8270C LL | T | 15.17 g | 1 mL | 1 mL | 1 mL | | |
| 680-88811-A-67 | CV1056A-CSD | 3546, 8270C LL | T | 15.26 g | 1 mL | | 1 mL | | |
| 680-88811-A-68 | CV1056B-CS | 3546, 8270C LL | T | 15.39 g | 1 mL | | 1 mL | | |
| 680-88811-A-69 | CV1124A-CS | 3546, 8270C LL | T | 14.75 g | 1 mL | | 1 mL | | |
| 680-88811-A-70 | CV1124B-CS | 3546, 8270C LL | T | 15.10 g | 1 mL | | 1 mL | | |
| 680-88811-A-71 | CV1126A-CS | 3546, 8270C LL | T | 15.17 g | 1 mL | | 1 mL | | |
| 680-88811-A-72 | CV1126B-CS | 3546, 8270C LL | T | 14.99 g | 1 mL | | 1 mL | | |
| 680-88811-A-73 | CV1138A-CS | 3546, 8270C LL | T | 15.01 g | 1 mL | | 1 mL | | |
| 680-88811-A-74 | CV1138B-CS | 3546, 8270C LL | T | 15.26 g | 1 mL | | 1 mL | | |
| 680-88811-A-75 | CV1140A-CS | 3546, 8270C LL | T | 15.28 g | 1 mL | | 1 mL | | |
| 680-88811-A-76 | CV1140B-CS | 3546, 8270C LL | T | 15.08 g | 1 mL | | 1 mL | | |
| 680-88811-A-77 | CV1052A-CS | 3546, 8270C LL | T | 15.07 g | 1 mL | | 1 mL | | |
| 680-88811-A-78 | CV1052B-CS | 3546, 8270C LL | T | 15.30 g | 1 mL | | 1 mL | | |
| 680-88811-A-79 | CV1054A-CS | 3546, 8270C LL | T | 15.08 g | 1 mL | | 1 mL | | |
| 680-88811-A-80 | CV1054B-CS | 3546, 8270C LL | T | 14.80 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.: 680-88811-4SDG No.: 68088811-4Batch Number: 136204 Batch Start Date: 04/08/13 09:32 Batch Analyst: Nolan, RyanBatch Method: 3546 Batch End Date: 04/09/13 09:30

| Batch Notes | |
|---|------------------|
| Acetone Lot # | EX-ACETON BOT 50 |
| Balance ID | B001 |
| Batch Comment | NONE |
| Person's name who did the concentration | RYAN |
| Exchange Solvent Lot # | EX-MC CYCL 55 |
| Exchange Solvent Name | DCM |
| Final Concentrator Volume | 1 mL |
| MeCL2 Lot # | EX-MC CYCL 55 |
| MeCl2/Acetone Lot # | DCM/ACETON 65/66 |
| Microwave Start Time | 13.204/8/13 |
| Microwave Stop Time | 13.55/4/8/13 |
| Na2SO4 Lot Number | EX-NA2S04A 66 |
| Ottawa Sand Lot # | OTTOWA SAND 15 |
| Person's name who did the prep | RYAN |
| SOP Number | TP-EX014 |
| Person who witnessed spiking | AG |
| Surrogate Lot Number | EXLLSURINT 178 |
| Water Bath ID | TURBOVAP2 #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.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4SDG No.: 68088811-4Batch Number: 136235 Batch Start Date: 04/08/13 15:18 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/09/13 12:30

| Lab Sample ID | Client Sample ID | Method Chain | Basis | InitialAmount | FinalAmount | EX-625LVI SPK 00021 | EXLLSURINT 00178 | EXLLSURINT 00179 | |
|----------------------|------------------|-------------------|-------|---------------|-------------|------------------------|---------------------|---------------------|--|
| MB 660-136235/1 | | 3546, 8270C LL | | 15.18 g | 1 mL | | 1 mL | | |
| LCS 660-136235/2 | | 3546, 8270C LL | | 15.26 g | 1 mL | 1 mL | 1 mL | | |
| 680-88811-A-81 | CV1136A-CS | 3546, 8270C LL | T | 15.42 g | 1 mL | | 1 mL | | |
| 680-88811-A-82 | CV1141A-CS | 3546, 8270C LL | T | 14.91 g | 1 mL | | 1 mL | | |
| 680-88811-A-83 | CV1141A-CSD | 3546, 8270C LL | T | 14.92 g | 1 mL | | 1 mL | | |
| 680-88811-A-84 | CV1058A-CS | 3546, 8270C LL | T | 15.41 g | 1 mL | | 1 mL | | |
| 680-88913-A-2 MS | | 3546, 8270C LL | T | 15.11 g | 1 mL | 1 mL | | 1 mL | |
| 680-88913-A-2 MSD | | 3546, 8270C LL | T | 15.00 g | 1 mL | 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.: 680-88811-4SDG No.: 68088811-4Batch Number: 136235 Batch Start Date: 04/08/13 15:18 Batch Analyst: Cerome, SaurelBatch Method: 3546 Batch End Date: 04/09/13 12:30

| Batch Notes | |
|---|---------------------|
| Acetone Lot # | EX-ACETON BOT 50 |
| Balance ID | B001 |
| Batch Comment | NONE |
| Person's name who did the concentration | RYAN |
| Exchange Solvent Lot # | EX-MC CYCL 55 |
| Exchange Solvent Name | DCM |
| Final Concentrator Volume | 1 mL |
| MeCL2 Lot # | EX- MC CYCL 55 |
| MeCl2/Acetone Lot # | DCM/ACETON 66 |
| Microwave Start Time | 17:00 4/8/13 |
| Microwave Stop Time | 17:35 4/8/13 |
| Na2SO4 Lot Number | EX-NA2S04A 66 |
| Ottawa Sand Lot # | OTTOWA SAND 15 |
| Person's name who did the prep | SAUREL |
| SOP Number | TP-EX-014 |
| Person who witnessed spiking | SELF |
| Surrogate Lot Number | EXLLSURINT 17/8/179 |
| Water Bath ID | TURBOVAP2 #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: 680-88811-4

SDG No.: 68088811-4

Project: 35th Avenue Superfund Site

| Client Sample ID | Lab Sample ID |
|------------------|---------------|
| CV1127B-CS | 680-88811-62 |
| CV1056A-CSD | 680-88811-67 |
| CV1056B-CS | 680-88811-68 |
| CV1124A-CS | 680-88811-69 |
| CV1124B-CS | 680-88811-70 |
| CV1126A-CS | 680-88811-71 |
| CV1126B-CS | 680-88811-72 |
| CV1138A-CS | 680-88811-73 |
| CV1138B-CS | 680-88811-74 |
| CV1140A-CS | 680-88811-75 |
| CV1140B-CS | 680-88811-76 |
| CV1052A-CS | 680-88811-77 |
| CV1052B-CS | 680-88811-78 |
| CV1054A-CS | 680-88811-79 |
| CV1054B-CS | 680-88811-80 |
| CV1136A-CS | 680-88811-81 |
| CV1141A-CS | 680-88811-82 |
| CV1141A-CSD | 680-88811-83 |
| CV1058A-CS | 680-88811-84 |

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-88811-4
SDG Number: 68088811-4
Matrix: Solid Instrument ID: Moisture
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: 680-88811-4
SDG Number: 68088811-4
Matrix: Solid Instrument ID: Moisture
Method: Moisture XRL Date: 04/12/2010 08:14

| Analyte | Wavelength/ Mass | XRL (%) | |
|------------------|---------------------|------------|--|
| Percent Moisture | | 0.1 | |

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-88811-4
SDG Number: 68088811-4
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: 680-88811-4
SDG Number: 68088811-4
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.: 680-88811-4

SDG No.: 68088811-4

Instrument ID: Moisture Method: Moisture

Start Date: 04/01/2013 09:19 End Date: 04/01/2013 13:40

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|--------------------|-------|---------|-------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | M o i s t | | | | | | | | | | | | | | | |
| LCSD 660-135992/22 | 1 | T | 09:19 | X | | | | | | | | | | | | | | | |
| LCS 660-135992/1 | 1 | T | 09:19 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 09:22 | | | | | | | | | | | | | | | | |
| 680-88811-73 | 1 | T | 10:29 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:29 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 11:42 | | | | | | | | | | | | | | | | |
| 680-88811-75 | 1 | T | 11:42 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:02 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:18 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:19 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:26 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:32 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:44 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:45 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:56 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 12:57 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:06 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:08 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:10 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:24 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:30 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 13:40 | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/01/2013 08:16 End Date: 04/01/2013 08:16

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | | | |
|--------------------|-------|---------|-------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | M o i s t | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-A-44 MS | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-A-44 MSD | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-74 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-68 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-83 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-82 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-81 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-79 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-62 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-62 MS | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-62 MSD | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-80 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| 680-88811-77 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| 680-88811-76 | 1 | T | 08:16 | X | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 08:16 | | | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/01/2013 10:25 End Date: 04/01/2013 10:25

| Lab Sample ID | D / F | T y p e | Time | Analytes | | | | | | | | | | | | | | | |
|---------------|-------|---------|-------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | M o i s t | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-84 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-69 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-70 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-72 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-78 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-67 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| 680-88811-71 | 1 | T | 10:25 | X | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |
| ZZZZZZ | | | 10:25 | | | | | | | | | | | | | | | | |

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Batch Number: 135964 Batch Start Date: 04/01/13 08:16 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DISH# | DishWeight | SampleMassWet | SampleMassDry | | |
|-----------------------|------------------|--------------|-------|-------|------------|---------------|---------------|--|--|
| 680-88811-A-44 MS | | Moisture | T | 3 | 0 g | 4.57 g | 3.69 g | | |
| 680-88811-A-44 MSD | | Moisture | T | 3 | 0 g | 4.57 g | 3.69 g | | |
| 680-88811-A-74 | CV1138B-CS | Moisture | T | 4 | 0 g | 4.70 g | 3.95 g | | |
| 680-88811-A-68 | CV1056B-CS | Moisture | T | 6 | 0 g | 4.43 g | 3.72 g | | |
| 680-88811-A-83 | CV1141A-CSD | Moisture | T | 8 | 0 g | 5.75 g | 4.93 g | | |
| 680-88811-A-82 | CV1141A-CS | Moisture | T | 9 | 0 g | 4.65 g | 4.01 g | | |
| 680-88811-A-81 | CV1136A-CS | Moisture | T | 11 | 0 g | 4.71 g | 3.94 g | | |
| 680-88811-A-79 | CV1054A-CS | Moisture | T | 12 | 0 g | 4.92 g | 4.08 g | | |
| 680-88811-A-62 | CV1127B-CS | Moisture | T | 14 | 0 g | 4.28 g | 3.47 g | | |
| 680-88811-A-62 MS | CV1127B-CS | Moisture | T | 14 | 0 g | 4.28 g | 3.47 g | | |
| 680-88811-A-62 MSD | CV1127B-CS | Moisture | T | 14 | 0 g | 4.28 g | 3.47 g | | |
| 680-88811-A-80 | CV1054B-CS | Moisture | T | 17 | 0 g | 5.10 g | 3.91 g | | |
| 680-88811-A-77 | CV1052A-CS | Moisture | T | 20 | 0 g | 4.82 g | 3.99 g | | |
| 680-88811-A-76 | CV1140B-CS | Moisture | T | 21 | 0 g | 4.41 g | 3.74 g | | |

| Batch Notes | |
|-------------|-----------|
| Balance ID | 2 No Unit |

| 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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Batch Number: 135977 Batch Start Date: 04/01/13 10:25 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DISH# | DishWeight | SampleMassWet | SampleMassDry | | |
|----------------|------------------|--------------|-------|-------|------------|---------------|---------------|--|--|
| 680-88811-A-84 | CV1058A-CS | Moisture | T | 3 | 0 g | 4.58 g | 3.96 g | | |
| 680-88811-A-69 | CV1124A-CS | Moisture | T | 5 | 0 g | 4.50 g | 3.81 g | | |
| 680-88811-A-70 | CV1124B-CS | Moisture | T | 8 | 0 g | 4.98 g | 3.97 g | | |
| 680-88811-A-72 | CV1126B-CS | Moisture | T | 11 | 0 g | 4.73 g | 3.95 g | | |
| 680-88811-A-78 | CV1052B-CS | Moisture | T | 14 | 0 g | 4.28 g | 3.60 g | | |
| 680-88811-A-67 | CV1056A-CSD | Moisture | T | 17 | 0 g | 4.37 g | 3.61 g | | |
| 680-88811-A-71 | CV1126A-CS | Moisture | T | 35 | 0 g | 4.42 g | 3.85 g | | |

| Batch Notes | |
|--------------------------------------|-----------|
| Balance ID | 2 No Unit |
| Date samples were placed in the oven | 4.1.13 |
| Time samples were place in the oven | 1330 |
| Date samples were removed from oven | 4.2.13 |
| Time Samples were removed from oven | 0622 |

| 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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-88811-4

SDG No.: 68088811-4

Batch Number: 135992 Batch Start Date: 04/01/13 09:19 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date: _____

| Lab Sample ID | Client Sample ID | Method Chain | Basis | DishWeight | SampleMassWet | SampleMassDry | | | |
|-----------------------|------------------|--------------|-------|------------|---------------|---------------|--|--|--|
| LCS 660-135992/1 | | Moisture | | 0 g | 10.037 g | 9.023 g | | | |
| 680-88811-A-73 | CV1138A-CS | Moisture | T | 0 g | 4.558 g | 3.977 g | | | |
| 680-88811-A-75 | CV1140A-CS | Moisture | T | 0 g | 4.613 g | 4.091 g | | | |
| LCSD 660-135992/22 | | Moisture | | 0 g | 10.008 g | 9.015 g | | | |

| Batch Notes | |
|-------------|----------------|
| Oven ID | HB43-1, HB43-2 |

| 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

Phone:
Fax:

| | | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|------------------|----------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>2</i> | OF <i>4</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|------------------|----------------|

| | | | | | |
|---|-------------|--------------|------------|---|----------------|
| TAL (LAB) PROJECT MANAGER <i>Lisa Harven</i> | P.O. NUMBER | CONTRACT NO. | CLIENT FAX | STANDARD REPORT DELIVERY <input type="radio"/> | DATE DUE _____ |
|---|-------------|--------------|------------|---|----------------|

(b) (6)
(b) (6)

| | | | |
|-------------|---------------|--|----------------|
| CLIENT NAME | CLIENT E-MAIL | EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/> | DATE DUE _____ |
|-------------|---------------|--|----------------|

| | | | | | | |
|----------------------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|----------------------|
| CLIENT ADDRESS <i>(b) (6)</i> | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | LLPAH Merals RASH |
|----------------------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|----------------------|

| | | |
|---|--------------|---|
| 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 | | | | | | | | | | | |

3

| | | | | | | | | | | | | |
|----------------|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| <i>3-28-13</i> | <i>0905</i> | <i>CV1123A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|----------------|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>0925</i> | <i>CV1123B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1006</i> | <i>CV1125A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1015</i> | <i>CV1125B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

4

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1030</i> | <i>CV1127A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|--------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1032</i> | <i>CV1127A-CSD</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|--------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1038</i> | <i>CV1127B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1100</i> | <i>CV1131A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|----------|--|--|--|--|
| | <i>1107</i> | <i>CV1131B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | <i>X</i> | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|----------|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1115</i> | <i>CV1131C-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

| | | | | | | | | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|
| | <i>1345</i> | <i>CV1056A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
|--|-------------|-------------------|----------|----------|--|--|----------|--|--|--|--|--|

3

| | | | | | | | | | | | | |
|-------------|--------------------|----------|----------|--|--|--|----------|--|--|--|--|--|
| <i>1347</i> | <i>CV1056A-CSD</i> | <i>C</i> | <i>X</i> | | | | <i>X</i> | | | | | |
|-------------|--------------------|----------|----------|--|--|--|----------|--|--|--|--|--|

| | | | | | | | | |
|--|------------------------|---------------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>3-28-13</i> | TIME <i>1730</i> | 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>[Signature]</i> | DATE <i>03/29/13</i> | TIME <i>0945</i> | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH <i>680-</i> LOG NO. <i>88811</i> | LABORATORY REMARKS <i>3.8 c</i> |
|--|-------------------------|---------------------|---|------------------|---|------------------------------------|

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

Phone:
Fax:

| | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>3</i> OF <i>4</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|

| | | | | | | |
|---|-------------|--------------|---|--------------------------------|--|----------------|
| TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i> | P.O. NUMBER | CONTRACT NO. | COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | LL PAH <i>Metals - PCBs</i> | STANDARD REPORT DELIVERY <input type="radio"/> | DATE DUE _____ |
|---|-------------|--------------|---|--------------------------------|--|----------------|

(b) (6)

| | | |
|-------------|--------------|------------|
| CLIENT NAME | CLIENT PHONE | CLIENT FAX |
|-------------|--------------|------------|

(b) (6)

| |
|----------------|
| CLIENT ADDRESS |
|----------------|

(b) (6)

| |
|---|
| 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 | | |
| 3-28-13 | 1355 | CV1056B-CS | C | X | | | X | | | | | | | | | | | | |
| | 1305 | CV1124A-CS | C | X | | | X | | | | | | | | | | | | |
| | 1315 | CV1124B-CS | C | X | | | X | | | | | | | | | | | | |
| | 1335 | CV1126A-CS | C | X | | | X | | | | | | | | | | | | |
| | 1345 | CV1126B-CS | C | X | | | X | | | | | | | | | | | | |
| | 1255 | CV1138A-CS | C | X | | | X | | | | | | | | | | | | |
| | 1305 | CV1138B-CS | C | X | | | X | X | | | | | | | | | | | |
| | 1310 | CV1140A-CS | C | X | | | X | | | | | | | | | | | | |
| | 1315 | CV1140B-CS | C | X | | | X | | | | | | | | | | | | |
| | 1440 | CV1052A-CS | C | X | | | X | | | | | | | | | | | | |
| | 1450 | CV1052B-CS | C | X | | | X | X | | | | | | | | | | | |
| | 1405 | CV1054A-CS | C | X | | | X | | | | | | | | | | | | |

| | | | | | | | | |
|--|-----------------|--------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 3-28-13 | TIME 1730 | 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) <i>[Signature]</i> | DATE 03/29/13 | TIME 0945 | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. 680 88811 | LABORATORY REMARKS 3.8 |
|---|------------------|--------------|---|------------------|----------------------------------|---------------------------|

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

Phone:
Fax:

| | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>4</i> OF <i>4</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|

| | | | | | |
|---|-------------|--------------|---|-------------------------------------|--|
| TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i> | P.O. NUMBER | CONTRACT NO. | COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | <i>LL PAH</i> <i>Metals PCBs</i> | STANDARD REPORT DELIVERY <input type="radio"/> |
|---|-------------|--------------|---|-------------------------------------|--|

(b) (6)

| | | |
|--------------|------------|----------------|
| CLIENT PHONE | CLIENT FAX | DATE DUE _____ |
|--------------|------------|----------------|

(b) (6)

(b) (6)

| | |
|---------------|----------------|
| CLIENT E-MAIL | DATE DUE _____ |
|---------------|----------------|

| | |
|----------------|---|
| CLIENT ADDRESS | NUMBER OF COOLERS SUBMITTED PER SHIPMENT: |
|----------------|---|

| | |
|---|--------------|
| COMPANY CONTRACTING THIS WORK (if applicable) | PRESERVATIVE |
|---|--------------|

| 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 | | | | | | | | | | | | | | | | | |

| DATE | TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINERS SUBMITTED | | | | | | | | | | REMARKS | | | |
|---------|------|-----------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|--------------------------------|--|--|--|--|--|--|--|--|--|---------|--|--|--|
| 3-28-13 | 1415 | CV1054B-CS | C | X | | | X | | | | | | | | | | | | | | |
| | 1455 | CV1136A-CS | C | X | | | X | | | | | | | | | | | | | | |
| | 1445 | CV1141A-CS | C | X | | | X | | | | | | | | | | | | | | |
| | 1445 | CV1141A-CSD | C | X | | | X | | | | | | | | | | | | | | |
| | 1515 | CV1058A-CS | C | X | | | X | | | | | | | | | | | | | | |
| | 1107 | CV1131B-CS (sieve) | C | X | | | | | | | | | | | | | | | | | |
| | 1305 | CV1138B-CS (sieve) | C | X | | | | | | | | | | | | | | | | | |
| | 1450 | CV1052B-CS (sieve) | C | X | | | | | | | | | | | | | | | | | |
| | 0925 | CV1119B-CS (sieve) | C | X | | | | | | | | | | | | | | | | | |

| | | | | | | | | |
|--|-----------------|--------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE 3-28-13 | TIME 1730 | 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) <i>[Signature]</i> | DATE 03/29/13 | TIME 0945 | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. 680-88811 | LABORATORY REMARKS 3.8 | |

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

SDG Number: 68088811-4

Login Number: 88811

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. | True | |
| 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: 680-88811-4

SDG Number: 68088811-4

Login Number: 88811

List Source: TestAmerica Tampa

List Number: 1

List Creation: 03/30/13 10:20 AM

Creator: Edwards, Erricka

| 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. | 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. | True | |
| 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: 680-88811-4

TestAmerica Sample Delivery Group: 68088811-4
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:
4/10/2013 5:35:40 PM

Bernard Kirkland
Project Manager I
bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey
Project Manager II
lisa.harvey@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.



LINKS

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results through
TotalAccess

Have a Question?



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www.testamericainc.com

1

2

3

4

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11

12

Case Narrative

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

TestAmerica Job ID: 680-88811-4
SDG: 68088811-4

Job ID: 680-88811-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88811-4

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 03/29/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.6 and 3.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV1127B-CS (680-88811-62), CV1056A-CSD (680-88811-67), CV1056B-CS (680-88811-68), CV1124A-CS (680-88811-69), CV1124B-CS (680-88811-70), CV1126A-CS (680-88811-71), CV1126B-CS (680-88811-72), CV1138A-CS (680-88811-73), CV1138B-CS (680-88811-74), CV1140A-CS (680-88811-75), CV1140B-CS (680-88811-76), CV1052A-CS (680-88811-77), CV1052B-CS (680-88811-78), CV1054A-CS (680-88811-79), CV1054B-CS (680-88811-80), CV1136A-CS (680-88811-81), CV1141A-CS (680-88811-82), CV1141A-CSD (680-88811-83) and CV1058A-CS (680-88811-84) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013 and 04/10/2013.

Samples CV1056A-CSD (680-88811-67)[4X], CV1056B-CS (680-88811-68)[4X], CV1124A-CS (680-88811-69)[4X], CV1138B-CS (680-88811-74)[4X], CV1052A-CS (680-88811-77)[4X], CV1052B-CS (680-88811-78)[4X], CV1054A-CS (680-88811-79)[4X], CV1054B-CS (680-88811-80)[4X], CV1136A-CS (680-88811-81)[4X], CV1141A-CS (680-88811-82)[4X], CV1141A-CSD (680-88811-83)[4X] and CV1058A-CS (680-88811-84)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the SVOAs analyses.

All 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: 680-88811-4
SDG: 68088811-4

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 680-88811-62 | CV1127B-CS | Solid | 03/28/13 10:38 | 03/29/13 09:45 |
| 680-88811-67 | CV1056A-CSD | Solid | 03/28/13 13:47 | 03/29/13 09:45 |
| 680-88811-68 | CV1056B-CS | Solid | 03/28/13 13:55 | 03/29/13 09:45 |
| 680-88811-69 | CV1124A-CS | Solid | 03/28/13 13:05 | 03/29/13 09:45 |
| 680-88811-70 | CV1124B-CS | Solid | 03/28/13 13:15 | 03/29/13 09:45 |
| 680-88811-71 | CV1126A-CS | Solid | 03/28/13 13:35 | 03/29/13 09:45 |
| 680-88811-72 | CV1126B-CS | Solid | 03/28/13 13:45 | 03/29/13 09:45 |
| 680-88811-73 | CV1138A-CS | Solid | 03/28/13 12:55 | 03/29/13 09:45 |
| 680-88811-74 | CV1138B-CS | Solid | 03/28/13 13:05 | 03/29/13 09:45 |
| 680-88811-75 | CV1140A-CS | Solid | 03/28/13 13:10 | 03/29/13 09:45 |
| 680-88811-76 | CV1140B-CS | Solid | 03/28/13 13:15 | 03/29/13 09:45 |
| 680-88811-77 | CV1052A-CS | Solid | 03/28/13 14:40 | 03/29/13 09:45 |
| 680-88811-78 | CV1052B-CS | Solid | 03/28/13 14:50 | 03/29/13 09:45 |
| 680-88811-79 | CV1054A-CS | Solid | 03/28/13 14:05 | 03/29/13 09:45 |
| 680-88811-80 | CV1054B-CS | Solid | 03/28/13 14:15 | 03/29/13 09:45 |
| 680-88811-81 | CV1136A-CS | Solid | 03/28/13 14:55 | 03/29/13 09:45 |
| 680-88811-82 | CV1141A-CS | Solid | 03/28/13 14:45 | 03/29/13 09:45 |
| 680-88811-83 | CV1141A-CSD | Solid | 03/28/13 14:45 | 03/29/13 09:45 |
| 680-88811-84 | CV1058A-CS | Solid | 03/28/13 15:15 | 03/29/13 09:45 |

Method Summary

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

TestAmerica Job ID: 680-88811-4
SDG: 68088811-4

| 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: 680-88811-4
SDG: 68088811-4

Qualifiers

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| U | Indicates the analyte was analyzed for but not detected. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| □ | 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: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1127B-CS

Lab Sample ID: 680-88811-62

Date Collected: 03/28/13 10:38

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 81.1

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 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Acenaphthylene | 49 | U | 49 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Anthracene | 40 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[a]anthracene | 67 | | 9.8 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[a]pyrene | 13 | U | 13 | 6.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[b]fluoranthene | 140 | | 15 | 7.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[g,h,i]perylene | 93 | | 25 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Benzo[k]fluoranthene | 48 | | 9.8 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Chrysene | 110 | | 11 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Dibenz(a,h)anthracene | 27 | | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Fluoranthene | 100 | | 25 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Fluorene | 25 | U | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Indeno[1,2,3-cd]pyrene | 110 | | 25 | 8.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| 1-Methylnaphthalene | 52 | | 49 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| 2-Methylnaphthalene | 66 | | 49 | 8.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Naphthalene | 80 | | 49 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Phenanthrene | 100 | | 9.8 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |
| Pyrene | 100 | | 25 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 17:48 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 50 | | 30 - 130 | 04/08/13 09:32 | 04/09/13 17:48 | 1 |

Client Sample ID: CV1056A-CSD

Lab Sample ID: 680-88811-67

Date Collected: 03/28/13 13:47

Matrix: Solid

Date Received: 03/29/13 09:45

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 | 480 | U | 480 | 95 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Anthracene | 150 | | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[a]anthracene | 270 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[a]pyrene | 42 | J | 49 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[b]fluoranthene | 510 | | 58 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[g,h,i]perylene | 370 | | 95 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Benzo[k]fluoranthene | 200 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Chrysene | 360 | | 43 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Dibenz(a,h)anthracene | 100 | | 95 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Fluoranthene | 380 | | 95 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Fluorene | 95 | U | 95 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Indeno[1,2,3-cd]pyrene | 410 | | 95 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| 1-Methylnaphthalene | 220 | | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| 2-Methylnaphthalene | 230 | | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Naphthalene | 190 | | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Phenanthrene | 340 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |
| Pyrene | 420 | | 95 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:33 | 4 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | 04/08/13 09:32 | 04/09/13 19:33 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1056B-CS

Lab Sample ID: 680-88811-68

Date Collected: 03/28/13 13:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 460 | U | 460 | 93 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Acenaphthylene | 190 | U | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Anthracene | 180 | | 39 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[a]anthracene | 500 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[a]pyrene | 310 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[b]fluoranthene | 790 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[g,h,i]perylene | 480 | | 93 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Benzo[k]fluoranthene | 370 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Chrysene | 600 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Dibenz(a,h)anthracene | 130 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Fluoranthene | 820 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Indeno[1,2,3-cd]pyrene | 560 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| 1-Methylnaphthalene | 190 | U | 190 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Naphthalene | 190 | U | 190 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Phenanthrene | 350 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Pyrene | 870 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 19:48 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 53 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 19:48 | 4 |

Client Sample ID: CV1124A-CS

Lab Sample ID: 680-88811-69

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Anthracene | 40 | U | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[a]anthracene | 210 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[a]pyrene | 50 | U | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[b]fluoranthene | 400 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[g,h,i]perylene | 230 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Benzo[k]fluoranthene | 120 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Chrysene | 250 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Dibenz(a,h)anthracene | 68 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Fluoranthene | 320 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Fluorene | 96 | U | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Indeno[1,2,3-cd]pyrene | 340 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| 1-Methylnaphthalene | 190 | U | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Naphthalene | 190 | U | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Phenanthrene | 260 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Pyrene | 310 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:03 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 76 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:03 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1124B-CS

Lab Sample ID: 680-88811-70

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 79.7

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 | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Acenaphthylene | 51 | | 50 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Anthracene | 45 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[a]anthracene | 84 | | 10 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[a]pyrene | 28 | | 13 | 6.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[b]fluoranthene | 160 | | 15 | 7.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[g,h,i]perylene | 94 | | 25 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Benzo[k]fluoranthene | 62 | | 10 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Chrysene | 130 | | 11 | 5.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Dibenz(a,h)anthracene | 22 | J | 25 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Fluoranthene | 110 | | 25 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Fluorene | 25 | U | 25 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Indeno[1,2,3-cd]pyrene | 100 | | 25 | 8.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| 1-Methylnaphthalene | 49 | J | 50 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| 2-Methylnaphthalene | 48 | J | 50 | 8.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Naphthalene | 54 | | 50 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Phenanthrene | 98 | | 10 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Pyrene | 120 | | 25 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 53 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:18 | 1 |

Client Sample ID: CV1126A-CS

Lab Sample ID: 680-88811-71

Date Collected: 03/28/13 13:35

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Acenaphthylene | 45 | | 45 | 5.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Anthracene | 42 | | 9.5 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[a]anthracene | 140 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[a]pyrene | 120 | | 12 | 5.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[b]fluoranthene | 280 | | 14 | 6.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[g,h,i]perylene | 160 | | 23 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Benzo[k]fluoranthene | 120 | | 9.1 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Chrysene | 200 | | 10 | 5.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Dibenz(a,h)anthracene | 46 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Fluoranthene | 250 | | 23 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Fluorene | 23 | U | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Indeno[1,2,3-cd]pyrene | 180 | | 23 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| 1-Methylnaphthalene | 33 | J | 45 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| 2-Methylnaphthalene | 32 | J | 45 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Naphthalene | 38 | J | 45 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Phenanthrene | 110 | | 9.1 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Pyrene | 240 | | 23 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:33 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 52 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:33 | 1 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1126B-CS

Lab Sample ID: 680-88811-72

Date Collected: 03/28/13 13:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.5

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 | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Acenaphthylene | 48 | U | 48 | 6.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Anthracene | 10 | U | 10 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[a]anthracene | 39 | | 9.6 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[a]pyrene | 12 | U | 12 | 6.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[b]fluoranthene | 82 | | 15 | 7.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[g,h,i]perylene | 41 | | 24 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Benzo[k]fluoranthene | 18 | | 9.6 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Chrysene | 55 | | 11 | 5.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Dibenz(a,h)anthracene | 15 | J | 24 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Fluoranthene | 50 | | 24 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Fluorene | 24 | U | 24 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 66 | | 24 | 8.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| 1-Methylnaphthalene | 35 | J | 48 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| 2-Methylnaphthalene | 36 | J | 48 | 8.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Naphthalene | 45 | J | 48 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Phenanthrene | 56 | | 9.6 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Pyrene | 48 | | 24 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 20:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 60 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 20:49 | 1 |

Client Sample ID: CV1138A-CS

Lab Sample ID: 680-88811-73

Date Collected: 03/28/13 12:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.3

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Acenaphthylene | 49 | | 46 | 5.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Anthracene | 59 | | 9.6 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[a]anthracene | 930 | | 9.2 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[a]pyrene | 1600 | | 12 | 6.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[b]fluoranthene | 2900 | | 14 | 7.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[g,h,i]perylene | 1800 | | 23 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Benzo[k]fluoranthene | 780 | | 9.2 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Chrysene | 1200 | | 10 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Dibenz(a,h)anthracene | 720 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Fluoranthene | 510 | | 23 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Fluorene | 23 | U | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Indeno[1,2,3-cd]pyrene | 1600 | | 23 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| 1-Methylnaphthalene | 50 | | 46 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| 2-Methylnaphthalene | 52 | | 46 | 8.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Naphthalene | 53 | | 46 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Phenanthrene | 160 | | 9.2 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Pyrene | 570 | | 23 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:04 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 45 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:04 | 1 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1138B-CS

Lab Sample ID: 680-88811-74

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 94 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Acenaphthylene | 190 | U | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Anthracene | 160 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[a]anthracene | 1100 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[a]pyrene | 1800 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[b]fluoranthene | 3400 | | 57 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[g,h,i]perylene | 2000 | | 94 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Benzo[k]fluoranthene | 1400 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Chrysene | 1600 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Dibenz(a,h)anthracene | 790 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Fluoranthene | 740 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Fluorene | 94 | U | 94 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Indeno[1,2,3-cd]pyrene | 1900 | | 94 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| 1-Methylnaphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| 2-Methylnaphthalene | 160 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Phenanthrene | 340 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Pyrene | 840 | | 94 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:19 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 69 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:19 | 4 |

Client Sample ID: CV1140A-CS

Lab Sample ID: 680-88811-75

Date Collected: 03/28/13 13:10

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 88.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 110 | U | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Acenaphthylene | 48 | | 44 | 5.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Anthracene | 49 | | 9.3 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[a]anthracene | 170 | | 8.9 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[a]pyrene | 200 | | 12 | 5.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[b]fluoranthene | 430 | | 14 | 6.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[g,h,i]perylene | 280 | | 22 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Benzo[k]fluoranthene | 170 | | 8.9 | 4.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Chrysene | 230 | | 10 | 5.0 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Dibenz(a,h)anthracene | 92 | | 22 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Fluoranthene | 170 | | 22 | 4.4 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Fluorene | 22 | U | 22 | 4.5 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Indeno[1,2,3-cd]pyrene | 250 | | 22 | 7.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| 1-Methylnaphthalene | 51 | | 44 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| 2-Methylnaphthalene | 52 | | 44 | 7.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Naphthalene | 48 | | 44 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Phenanthrene | 95 | | 8.9 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Pyrene | 190 | | 22 | 4.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:34 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 52 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:34 | 1 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1140B-CS

Lab Sample ID: 680-88811-76

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.8

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 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Acenaphthylene | 47 | U | 47 | 5.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Anthracene | 41 | | 9.9 | 4.9 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[a]anthracene | 96 | | 9.4 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[a]pyrene | 62 | | 12 | 6.1 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[b]fluoranthene | 210 | | 14 | 7.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[g,h,i]perylene | 120 | | 23 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Benzo[k]fluoranthene | 84 | | 9.4 | 4.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Chrysene | 130 | | 11 | 5.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Dibenz(a,h)anthracene | 43 | | 23 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Fluoranthene | 100 | | 23 | 4.7 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Fluorene | 23 | U | 23 | 4.8 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Indeno[1,2,3-cd]pyrene | 130 | | 23 | 8.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| 1-Methylnaphthalene | 57 | | 47 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| 2-Methylnaphthalene | 60 | | 47 | 8.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Naphthalene | 52 | | 47 | 5.2 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Phenanthrene | 85 | | 9.4 | 4.6 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Pyrene | 110 | | 23 | 4.3 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 21:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 34 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 21:49 | 1 |

Client Sample ID: CV1052A-CS

Lab Sample ID: 680-88811-77

Date Collected: 03/28/13 14:40

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.8

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Acenaphthylene | 190 | U | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Anthracene | 40 | U | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[a]anthracene | 540 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[a]pyrene | 620 | | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[b]fluoranthene | 1600 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[g,h,i]perylene | 960 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Benzo[k]fluoranthene | 490 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Chrysene | 810 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Dibenz(a,h)anthracene | 360 | | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Fluoranthene | 530 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Fluorene | 96 | U | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Indeno[1,2,3-cd]pyrene | 970 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| 1-Methylnaphthalene | 150 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| 2-Methylnaphthalene | 190 | U | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Naphthalene | 160 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Phenanthrene | 320 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Pyrene | 530 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/09/13 22:04 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 66 | | 30 - 130 | | | | 04/08/13 09:32 | 04/09/13 22:04 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1052B-CS

Lab Sample ID: 680-88811-78

Date Collected: 03/28/13 14:50

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.1

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Acenaphthylene | 36 | J | 190 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Anthracene | 42 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[a]anthracene | 340 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[a]pyrene | 270 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[b]fluoranthene | 530 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[g,h,i]perylene | 330 | | 93 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Benzo[k]fluoranthene | 240 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Chrysene | 350 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Dibenz(a,h)anthracene | 120 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Fluoranthene | 360 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Indeno[1,2,3-cd]pyrene | 350 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| 1-Methylnaphthalene | 68 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| 2-Methylnaphthalene | 71 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Naphthalene | 48 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Phenanthrene | 220 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Pyrene | 320 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 13:42 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 69 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 13:42 | 4 |

Client Sample ID: CV1054A-CS

Lab Sample ID: 680-88811-79

Date Collected: 03/28/13 14:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.9

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 480 | U | 480 | 96 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Acenaphthylene | 42 | J | 190 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Anthracene | 70 | | 40 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[a]anthracene | 300 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[a]pyrene | 320 | | 50 | 25 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[b]fluoranthene | 460 | | 59 | 29 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[g,h,i]perylene | 260 | | 96 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Benzo[k]fluoranthene | 120 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Chrysene | 390 | | 43 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Dibenz(a,h)anthracene | 95 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Fluoranthene | 480 | | 96 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Fluorene | 30 | J | 96 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Indeno[1,2,3-cd]pyrene | 160 | | 96 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| 1-Methylnaphthalene | 130 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| 2-Methylnaphthalene | 150 | J | 190 | 34 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Naphthalene | 110 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Phenanthrene | 380 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Pyrene | 430 | | 96 | 18 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:00 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 14:00 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1054B-CS

Lab Sample ID: 680-88811-80

Date Collected: 03/28/13 14:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 76.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 160 | J | 530 | 110 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Acenaphthylene | 83 | J | 210 | 26 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Anthracene | 210 | | 44 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[a]anthracene | 970 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[a]pyrene | 690 | | 55 | 27 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[b]fluoranthene | 1200 | | 65 | 32 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[g,h,i]perylene | 530 | | 110 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Benzo[k]fluoranthene | 470 | | 42 | 19 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Chrysene | 890 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Dibenz(a,h)anthracene | 220 | | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Fluoranthene | 1700 | | 110 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Fluorene | 110 | | 110 | 22 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Indeno[1,2,3-cd]pyrene | 470 | | 110 | 38 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| 1-Methylnaphthalene | 210 | | 210 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| 2-Methylnaphthalene | 150 | J | 210 | 38 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Naphthalene | 150 | J | 210 | 23 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Phenanthrene | 1300 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Pyrene | 1400 | | 110 | 20 | ug/Kg | ☼ | 04/08/13 09:32 | 04/10/13 14:19 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 74 | | 30 - 130 | | | | 04/08/13 09:32 | 04/10/13 14:19 | 4 |

Client Sample ID: CV1136A-CS

Lab Sample ID: 680-88811-81

Date Collected: 03/28/13 14:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Acenaphthylene | 180 | J | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Anthracene | 180 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[a]anthracene | 390 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[a]pyrene | 130 | | 48 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[b]fluoranthene | 700 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[g,h,i]perylene | 420 | | 93 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Benzo[k]fluoranthene | 250 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Chrysene | 590 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Dibenz(a,h)anthracene | 140 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Fluoranthene | 540 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Indeno[1,2,3-cd]pyrene | 450 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| 1-Methylnaphthalene | 270 | | 190 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| 2-Methylnaphthalene | 290 | | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Naphthalene | 220 | | 190 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Phenanthrene | 440 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Pyrene | 660 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:42 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 64 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 13:42 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1141A-CS

Lab Sample ID: 680-88811-82

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.2

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 93 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Acenaphthylene | 200 | | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Anthracene | 280 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[a]anthracene | 1600 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[a]pyrene | 1700 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[b]fluoranthene | 2700 | | 57 | 28 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[g,h,i]perylene | 2100 | | 93 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Benzo[k]fluoranthene | 1300 | | 37 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Chrysene | 1700 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Dibenz(a,h)anthracene | 470 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Fluoranthene | 2900 | | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Fluorene | 93 | U | 93 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Indeno[1,2,3-cd]pyrene | 2000 | | 93 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| 1-Methylnaphthalene | 130 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| 2-Methylnaphthalene | 140 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Phenanthrene | 1200 | | 37 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Pyrene | 2900 | | 93 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 13:57 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 71 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 13:57 | 4 |

Client Sample ID: CV1141A-CSD

Lab Sample ID: 680-88811-83

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 85.7

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 470 | U | 470 | 94 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Acenaphthylene | 190 | | 190 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Anthracene | 230 | | 39 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[a]anthracene | 1200 | | 38 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[a]pyrene | 1300 | | 49 | 24 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[b]fluoranthene | 2300 | | 57 | 29 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[g,h,i]perylene | 1700 | | 94 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Benzo[k]fluoranthene | 860 | | 38 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Chrysene | 1400 | | 42 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Dibenz(a,h)anthracene | 380 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Fluoranthene | 2100 | | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Fluorene | 94 | U | 94 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Indeno[1,2,3-cd]pyrene | 1600 | | 94 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| 1-Methylnaphthalene | 140 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| 2-Methylnaphthalene | 150 | J | 190 | 33 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Naphthalene | 170 | J | 190 | 21 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Phenanthrene | 780 | | 38 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Pyrene | 2300 | | 94 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:12 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 55 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 14:12 | 4 |

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1058A-CS

Lab Sample ID: 680-88811-84

Date Collected: 03/28/13 15:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.5

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Acenaphthene | 450 | U | 450 | 90 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Acenaphthylene | 180 | U | 180 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Anthracene | 170 | | 38 | 19 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[a]anthracene | 780 | | 36 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[a]pyrene | 920 | | 47 | 23 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[b]fluoranthene | 1900 | | 55 | 27 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[g,h,i]perylene | 1400 | | 90 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Benzo[k]fluoranthene | 680 | | 36 | 16 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Chrysene | 980 | | 41 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Dibenz(a,h)anthracene | 450 | | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Fluoranthene | 830 | | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Fluorene | 90 | U | 90 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Indeno[1,2,3-cd]pyrene | 1300 | | 90 | 32 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| 1-Methylnaphthalene | 140 | J | 180 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| 2-Methylnaphthalene | 160 | J | 180 | 32 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Naphthalene | 160 | J | 180 | 20 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Phenanthrene | 420 | | 36 | 18 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Pyrene | 950 | | 90 | 17 | ug/Kg | ☼ | 04/08/13 15:18 | 04/10/13 14:27 | 4 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 68 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 14:27 | 4 |

QC Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

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

Lab Sample ID: MB 660-136204/1-A

Matrix: Solid

Analysis Batch: 136269

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136204

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|-----|-----|-------|---|----------------|----------------|---------|
| Acenaphthene | 99 | U | 99 | 20 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Acenaphthylene | 39 | U | 39 | 4.9 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Anthracene | 8.3 | U | 8.3 | 4.1 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Benzo[a]anthracene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Benzo[a]pyrene | 10 | U | 10 | 5.1 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Benzo[b]fluoranthene | 12 | U | 12 | 6.0 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Chrysene | 8.9 | U | 8.9 | 4.4 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Dibenz(a,h)anthracene | 20 | U | 20 | 4.0 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Fluoranthene | 20 | U | 20 | 3.9 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Fluorene | 20 | U | 20 | 4.0 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| 1-Methylnaphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| 2-Methylnaphthalene | 39 | U | 39 | 7.0 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Naphthalene | 39 | U | 39 | 4.3 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Phenanthrene | 7.9 | U | 7.9 | 3.8 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |
| Pyrene | 20 | U | 20 | 3.7 | ug/Kg | | 04/08/13 09:32 | 04/09/13 17:02 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|--------------|--------------|----------|----------------|----------------|---------|
| <i>o</i> -Terphenyl | 65 | | 30 - 130 | 04/08/13 09:32 | 04/09/13 17:02 | 1 |

Lab Sample ID: LCS 660-136204/2-A

Matrix: Solid

Analysis Batch: 136269

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136204

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Acenaphthene | 650 | 375 | | ug/Kg | | 58 | 39 - 130 |
| Acenaphthylene | 650 | 403 | | ug/Kg | | 62 | 38 - 130 |
| Anthracene | 650 | 412 | | ug/Kg | | 63 | 37 - 130 |
| Benzo[a]anthracene | 650 | 475 | | ug/Kg | | 73 | 40 - 130 |
| Benzo[a]pyrene | 650 | 435 | | ug/Kg | | 67 | 49 - 130 |
| Benzo[b]fluoranthene | 650 | 527 | | ug/Kg | | 81 | 37 - 130 |
| Benzo[g,h,i]perylene | 650 | 567 | | ug/Kg | | 87 | 32 - 130 |
| Benzo[k]fluoranthene | 650 | 497 | | ug/Kg | | 76 | 32 - 130 |
| Chrysene | 650 | 473 | | ug/Kg | | 73 | 41 - 130 |
| Dibenz(a,h)anthracene | 650 | 597 | | ug/Kg | | 92 | 27 - 130 |
| Fluoranthene | 650 | 446 | | ug/Kg | | 69 | 40 - 130 |
| Fluorene | 650 | 404 | | ug/Kg | | 62 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 650 | 538 | | ug/Kg | | 83 | 30 - 130 |
| 1-Methylnaphthalene | 650 | 438 | | ug/Kg | | 67 | 31 - 130 |
| 2-Methylnaphthalene | 650 | 437 | | ug/Kg | | 67 | 33 - 130 |
| Naphthalene | 650 | 419 | | ug/Kg | | 64 | 36 - 130 |
| Phenanthrene | 650 | 405 | | ug/Kg | | 62 | 42 - 130 |
| Pyrene | 650 | 513 | | ug/Kg | | 79 | 44 - 130 |

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

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

Lab Sample ID: LCS 660-136204/2-A
Matrix: Solid
Analysis Batch: 136269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 136204

| Surrogate | LCS | | Limits |
|---------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| <i>o</i> -Terphenyl | 66 | | 30 - 130 |

Lab Sample ID: 680-88811-62 MS
Matrix: Solid
Analysis Batch: 136269

Client Sample ID: CV1127B-CS
Prep Type: Total/NA
Prep Batch: 136204

| Analyte | Sample | Sample | Spike | MS | | Unit | D | %Rec | %Rec. | Limits |
|------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-------|----------|
| | Result | Qualifier | | Result | Qualifier | | | | | |
| Acenaphthene | 120 | U | 826 | 376 | | ug/Kg | ☼ | 45 | | 39 - 130 |
| Acenaphthylene | 49 | U | 826 | 402 | | ug/Kg | ☼ | 49 | | 38 - 130 |
| Anthracene | 40 | | 826 | 415 | | ug/Kg | ☼ | 45 | | 37 - 130 |
| Benzo[a]anthracene | 67 | | 826 | 482 | | ug/Kg | ☼ | 50 | | 40 - 130 |
| Benzo[a]pyrene | 13 | U | 826 | 459 | | ug/Kg | ☼ | 56 | | 49 - 130 |
| Benzo[b]fluoranthene | 140 | | 826 | 647 | | ug/Kg | ☼ | 61 | | 37 - 130 |
| Benzo[g,h,i]perylene | 93 | | 826 | 623 | | ug/Kg | ☼ | 64 | | 32 - 130 |
| Benzo[k]fluoranthene | 48 | | 826 | 449 | | ug/Kg | ☼ | 49 | | 32 - 130 |
| Chrysene | 110 | | 826 | 543 | | ug/Kg | ☼ | 52 | | 41 - 130 |
| Dibenz(a,h)anthracene | 27 | | 826 | 633 | | ug/Kg | ☼ | 73 | | 27 - 130 |
| Fluoranthene | 100 | | 826 | 464 | | ug/Kg | ☼ | 44 | | 40 - 130 |
| Fluorene | 25 | U | 826 | 401 | | ug/Kg | ☼ | 49 | | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 110 | | 826 | 592 | | ug/Kg | ☼ | 59 | | 30 - 130 |
| 1-Methylnaphthalene | 52 | | 826 | 443 | | ug/Kg | ☼ | 47 | | 31 - 130 |
| 2-Methylnaphthalene | 66 | | 826 | 468 | | ug/Kg | ☼ | 49 | | 33 - 130 |
| Naphthalene | 80 | | 826 | 437 | | ug/Kg | ☼ | 43 | | 36 - 130 |
| Phenanthrene | 100 | | 826 | 467 | | ug/Kg | ☼ | 44 | | 42 - 130 |
| Pyrene | 100 | | 826 | 565 | | ug/Kg | ☼ | 56 | | 44 - 130 |

| Surrogate | MS | | Limits |
|---------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| <i>o</i> -Terphenyl | 50 | | 30 - 130 |

Lab Sample ID: 680-88811-62 MSD
Matrix: Solid
Analysis Batch: 136269

Client Sample ID: CV1127B-CS
Prep Type: Total/NA
Prep Batch: 136204

| Analyte | Sample | Sample | Spike | MSD | | Unit | D | %Rec | %Rec. | Limits | RPD | |
|------------------------|--------|-----------|-------|--------|-----------|-------|---|------|-------|----------|-----|-------|
| | Result | Qualifier | | Result | Qualifier | | | | | | RPD | Limit |
| Acenaphthene | 120 | U | 813 | 427 | | ug/Kg | ☼ | 52 | | 39 - 130 | 13 | 40 |
| Acenaphthylene | 49 | U | 813 | 443 | | ug/Kg | ☼ | 54 | | 38 - 130 | 10 | 40 |
| Anthracene | 40 | | 813 | 470 | | ug/Kg | ☼ | 53 | | 37 - 130 | 12 | 40 |
| Benzo[a]anthracene | 67 | | 813 | 566 | | ug/Kg | ☼ | 61 | | 40 - 130 | 16 | 40 |
| Benzo[a]pyrene | 13 | U | 813 | 519 | | ug/Kg | ☼ | 64 | | 49 - 130 | 12 | 40 |
| Benzo[b]fluoranthene | 140 | | 813 | 702 | | ug/Kg | ☼ | 69 | | 37 - 130 | 8 | 40 |
| Benzo[g,h,i]perylene | 93 | | 813 | 709 | | ug/Kg | ☼ | 76 | | 32 - 130 | 13 | 40 |
| Benzo[k]fluoranthene | 48 | | 813 | 541 | | ug/Kg | ☼ | 61 | | 32 - 130 | 19 | 40 |
| Chrysene | 110 | | 813 | 645 | | ug/Kg | ☼ | 65 | | 41 - 130 | 17 | 40 |
| Dibenz(a,h)anthracene | 27 | | 813 | 713 | | ug/Kg | ☼ | 84 | | 27 - 130 | 12 | 40 |
| Fluoranthene | 100 | | 813 | 524 | | ug/Kg | ☼ | 52 | | 40 - 130 | 12 | 40 |
| Fluorene | 25 | U | 813 | 428 | | ug/Kg | ☼ | 53 | | 40 - 130 | 7 | 40 |
| Indeno[1,2,3-cd]pyrene | 110 | | 813 | 665 | | ug/Kg | ☼ | 69 | | 30 - 130 | 12 | 40 |
| 1-Methylnaphthalene | 52 | | 813 | 538 | | ug/Kg | ☼ | 60 | | 31 - 130 | 19 | 40 |

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

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

Lab Sample ID: 680-88811-62 MSD

Matrix: Solid

Analysis Batch: 136269

Client Sample ID: CV1127B-CS

Prep Type: Total/NA

Prep Batch: 136204

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec. | RPD | Limit |
|---------------------|------------------|--------------------------------|---------------|--------|-----------|-------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | |
| 2-Methylnaphthalene | 66 | | 813 | 558 | | ug/Kg | * | 61 | 33 - 130 | 18 | 40 |
| Naphthalene | 80 | | 813 | 520 | | ug/Kg | * | 54 | 36 - 130 | 17 | 40 |
| Phenanthrene | 100 | | 813 | 562 | | ug/Kg | * | 57 | 42 - 130 | 19 | 40 |
| Pyrene | 100 | | 813 | 620 | | ug/Kg | * | 64 | 44 - 130 | 9 | 40 |
| Surrogate | %Recovery | MSD Qualifier | Limits | | | | | | | | |
| <i>o</i> -Terphenyl | 59 | | 30 - 130 | | | | | | | | |

Lab Sample ID: MB 660-136235/1-A

Matrix: Solid

Analysis Batch: 136318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 136235

| Analyte | MB | MB | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|------------------|-------------------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| | Result | Qualifier | | | | | | | |
| Acenaphthene | 99 | U | 99 | 20 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Acenaphthylene | 40 | U | 40 | 4.9 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Anthracene | 8.3 | U | 8.3 | 4.2 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Benzo[a]anthracene | 7.9 | U | 7.9 | 3.9 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Benzo[a]pyrene | 10 | U | 10 | 5.1 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Benzo[b]fluoranthene | 12 | U | 12 | 6.0 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Benzo[g,h,i]perylene | 20 | U | 20 | 4.3 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Benzo[k]fluoranthene | 7.9 | U | 7.9 | 3.6 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Chrysene | 8.9 | U | 8.9 | 4.4 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Dibenz(a,h)anthracene | 20 | U | 20 | 4.1 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Fluoranthene | 20 | U | 20 | 4.0 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Fluorene | 20 | U | 20 | 4.1 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Indeno[1,2,3-cd]pyrene | 20 | U | 20 | 7.0 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| 1-Methylnaphthalene | 40 | U | 40 | 4.3 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| 2-Methylnaphthalene | 40 | U | 40 | 7.0 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Naphthalene | 40 | U | 40 | 4.3 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Phenanthrene | 7.9 | U | 7.9 | 3.9 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Pyrene | 20 | U | 20 | 3.7 | ug/Kg | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |
| Surrogate | %Recovery | MB Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| <i>o</i> -Terphenyl | 79 | | 30 - 130 | | | | 04/08/13 15:18 | 04/10/13 13:12 | 1 |

Lab Sample ID: LCS 660-136235/2-A

Matrix: Solid

Analysis Batch: 136309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136235

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec. |
|----------------------|----------------|--------|-----------|-------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Acenaphthene | 655 | 454 | | ug/Kg | | 69 | 39 - 130 |
| Acenaphthylene | 655 | 520 | | ug/Kg | | 79 | 38 - 130 |
| Anthracene | 655 | 482 | | ug/Kg | | 73 | 37 - 130 |
| Benzo[a]anthracene | 655 | 522 | | ug/Kg | | 80 | 40 - 130 |
| Benzo[a]pyrene | 655 | 466 | | ug/Kg | | 71 | 49 - 130 |
| Benzo[b]fluoranthene | 655 | 486 | | ug/Kg | | 74 | 37 - 130 |
| Benzo[g,h,i]perylene | 655 | 453 | | ug/Kg | | 69 | 32 - 130 |
| Benzo[k]fluoranthene | 655 | 519 | | ug/Kg | | 79 | 32 - 130 |

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

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

Lab Sample ID: LCS 660-136235/2-A

Matrix: Solid

Analysis Batch: 136309

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 136235

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chrysene | 655 | 468 | | ug/Kg | | 71 | 41 - 130 |
| Dibenz(a,h)an hracene | 655 | 497 | | ug/Kg | | 76 | 27 - 130 |
| Fluoranthene | 655 | 493 | | ug/Kg | | 75 | 40 - 130 |
| Fluorene | 655 | 484 | | ug/Kg | | 74 | 40 - 130 |
| Indeno[1,2,3-cd]pyrene | 655 | 451 | | ug/Kg | | 69 | 30 - 130 |
| 1-Methylnaphthalene | 655 | 512 | | ug/Kg | | 78 | 31 - 130 |
| 2-Methylnaphthalene | 655 | 471 | | ug/Kg | | 72 | 33 - 130 |
| Naphthalene | 655 | 452 | | ug/Kg | | 69 | 36 - 130 |
| Phenanthrene | 655 | 436 | | ug/Kg | | 67 | 42 - 130 |
| Pyrene | 655 | 525 | | ug/Kg | | 80 | 44 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|---------------------|------------------|------------------|----------|
| <i>o</i> -Terphenyl | 77 | | 30 - 130 |



QC Association Summary

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

GC/MS Semi VOA

Prep Batch: 136204

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-88811-62 | CV1127B-CS | Total/NA | Solid | 3546 | |
| 680-88811-62 MS | CV1127B-CS | Total/NA | Solid | 3546 | |
| 680-88811-62 MSD | CV1127B-CS | Total/NA | Solid | 3546 | |
| 680-88811-67 | CV1056A-CSD | Total/NA | Solid | 3546 | |
| 680-88811-68 | CV1056B-CS | Total/NA | Solid | 3546 | |
| 680-88811-69 | CV1124A-CS | Total/NA | Solid | 3546 | |
| 680-88811-70 | CV1124B-CS | Total/NA | Solid | 3546 | |
| 680-88811-71 | CV1126A-CS | Total/NA | Solid | 3546 | |
| 680-88811-72 | CV1126B-CS | Total/NA | Solid | 3546 | |
| 680-88811-73 | CV1138A-CS | Total/NA | Solid | 3546 | |
| 680-88811-74 | CV1138B-CS | Total/NA | Solid | 3546 | |
| 680-88811-75 | CV1140A-CS | Total/NA | Solid | 3546 | |
| 680-88811-76 | CV1140B-CS | Total/NA | Solid | 3546 | |
| 680-88811-77 | CV1052A-CS | Total/NA | Solid | 3546 | |
| 680-88811-78 | CV1052B-CS | Total/NA | Solid | 3546 | |
| 680-88811-79 | CV1054A-CS | Total/NA | Solid | 3546 | |
| 680-88811-80 | CV1054B-CS | Total/NA | Solid | 3546 | |
| LCS 660-136204/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 660-136204/1-A | Method Blank | Total/NA | Solid | 3546 | |

Prep Batch: 136235

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 680-88811-81 | CV1136A-CS | Total/NA | Solid | 3546 | |
| 680-88811-82 | CV1141A-CS | Total/NA | Solid | 3546 | |
| 680-88811-83 | CV1141A-CSD | Total/NA | Solid | 3546 | |
| 680-88811-84 | CV1058A-CS | Total/NA | Solid | 3546 | |
| LCS 660-136235/2-A | Lab Control Sample | Total/NA | Solid | 3546 | |
| MB 660-136235/1-A | Method Blank | Total/NA | Solid | 3546 | |

Analysis Batch: 136269

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 680-88811-62 | CV1127B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-62 MS | CV1127B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-62 MSD | CV1127B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-67 | CV1056A-CSD | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-68 | CV1056B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-69 | CV1124A-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-70 | CV1124B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-71 | CV1126A-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-72 | CV1126B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-73 | CV1138A-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-74 | CV1138B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-75 | CV1140A-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-76 | CV1140B-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-77 | CV1052A-CS | Total/NA | Solid | 8270C LL | 136204 |
| LCS 660-136204/2-A | Lab Control Sample | Total/NA | Solid | 8270C LL | 136204 |
| MB 660-136204/1-A | Method Blank | Total/NA | Solid | 8270C LL | 136204 |

Analysis Batch: 136309

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 680-88811-78 | CV1052B-CS | Total/NA | Solid | 8270C LL | 136204 |

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

GC/MS Semi VOA (Continued)

Analysis Batch: 136309 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|----------|------------|
| 680-88811-79 | CV1054A-CS | Total/NA | Solid | 8270C LL | 136204 |
| 680-88811-80 | CV1054B-CS | Total/NA | Solid | 8270C LL | 136204 |
| LCS 660-136235/2-A | Lab Control Sample | Total/NA | Solid | 8270C LL | 136235 |

Analysis Batch: 136318

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|----------|------------|
| 680-88811-81 | CV1136A-CS | Total/NA | Solid | 8270C LL | 136235 |
| 680-88811-82 | CV1141A-CS | Total/NA | Solid | 8270C LL | 136235 |
| 680-88811-83 | CV1141A-CSD | Total/NA | Solid | 8270C LL | 136235 |
| 680-88811-84 | CV1058A-CS | Total/NA | Solid | 8270C LL | 136235 |
| MB 660-136235/1-A | Method Blank | Total/NA | Solid | 8270C LL | 136235 |

General Chemistry

Analysis Batch: 135964

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|----------|------------|
| 680-88811-62 | CV1127B-CS | Total/NA | Solid | Moisture | |
| 680-88811-62 MS | CV1127B-CS | Total/NA | Solid | Moisture | |
| 680-88811-62 MSD | CV1127B-CS | Total/NA | Solid | Moisture | |
| 680-88811-68 | CV1056B-CS | Total/NA | Solid | Moisture | |
| 680-88811-74 | CV1138B-CS | Total/NA | Solid | Moisture | |
| 680-88811-76 | CV1140B-CS | Total/NA | Solid | Moisture | |
| 680-88811-77 | CV1052A-CS | Total/NA | Solid | Moisture | |
| 680-88811-79 | CV1054A-CS | Total/NA | Solid | Moisture | |
| 680-88811-80 | CV1054B-CS | Total/NA | Solid | Moisture | |
| 680-88811-81 | CV1136A-CS | Total/NA | Solid | Moisture | |
| 680-88811-82 | CV1141A-CS | Total/NA | Solid | Moisture | |
| 680-88811-83 | CV1141A-CSD | Total/NA | Solid | Moisture | |

Analysis Batch: 135977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 680-88811-67 | CV1056A-CSD | Total/NA | Solid | Moisture | |
| 680-88811-69 | CV1124A-CS | Total/NA | Solid | Moisture | |
| 680-88811-70 | CV1124B-CS | Total/NA | Solid | Moisture | |
| 680-88811-71 | CV1126A-CS | Total/NA | Solid | Moisture | |
| 680-88811-72 | CV1126B-CS | Total/NA | Solid | Moisture | |
| 680-88811-78 | CV1052B-CS | Total/NA | Solid | Moisture | |
| 680-88811-84 | CV1058A-CS | Total/NA | Solid | Moisture | |

Analysis Batch: 135992

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 680-88811-73 | CV1138A-CS | Total/NA | Solid | Moisture | |
| 680-88811-75 | CV1140A-CS | Total/NA | Solid | Moisture | |
| LCS 660-135992/1 | Lab Control Sample | Total/NA | Solid | Moisture | |
| LCSD 660-135992/22 | Lab Control Sample Dup | Total/NA | Solid | Moisture | |

Lab Chronicle

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1127B-CS

Lab Sample ID: 680-88811-62

Date Collected: 03/28/13 10:38

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 81.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 17:48 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1056A-CSD

Lab Sample ID: 680-88811-67

Date Collected: 03/28/13 13:47

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.6

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136269 | 04/09/13 19:33 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Client Sample ID: CV1056B-CS

Lab Sample ID: 680-88811-68

Date Collected: 03/28/13 13:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136269 | 04/09/13 19:48 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1124A-CS

Lab Sample ID: 680-88811-69

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136269 | 04/09/13 20:03 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Client Sample ID: CV1124B-CS

Lab Sample ID: 680-88811-70

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 79.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 20:18 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Lab Chronicle

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1126A-CS

Lab Sample ID: 680-88811-71

Date Collected: 03/28/13 13:35

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 20:33 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Client Sample ID: CV1126B-CS

Lab Sample ID: 680-88811-72

Date Collected: 03/28/13 13:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 20:49 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Client Sample ID: CV1138A-CS

Lab Sample ID: 680-88811-73

Date Collected: 03/28/13 12:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 87.3

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 21:04 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135992 | 04/01/13 10:29 | AG | TAL TAM |

Client Sample ID: CV1138B-CS

Lab Sample ID: 680-88811-74

Date Collected: 03/28/13 13:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.0

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136269 | 04/09/13 21:19 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1140A-CS

Lab Sample ID: 680-88811-75

Date Collected: 03/28/13 13:10

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 88.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 21:34 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135992 | 04/01/13 11:42 | AG | TAL TAM |

Lab Chronicle

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1140B-CS

Lab Sample ID: 680-88811-76

Date Collected: 03/28/13 13:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 1 | 136269 | 04/09/13 21:49 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1052A-CS

Lab Sample ID: 680-88811-77

Date Collected: 03/28/13 14:40

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.8

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136269 | 04/09/13 22:04 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1052B-CS

Lab Sample ID: 680-88811-78

Date Collected: 03/28/13 14:50

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 84.1

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136309 | 04/10/13 13:42 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Client Sample ID: CV1054A-CS

Lab Sample ID: 680-88811-79

Date Collected: 03/28/13 14:05

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 82.9

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136309 | 04/10/13 14:00 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1054B-CS

Lab Sample ID: 680-88811-80

Date Collected: 03/28/13 14:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 76.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136204 | 04/08/13 09:32 | RN | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136309 | 04/10/13 14:19 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Lab Chronicle

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

TestAmerica Job ID: 680-88811-4
 SDG: 68088811-4

Client Sample ID: CV1136A-CS

Lab Sample ID: 680-88811-81

Date Collected: 03/28/13 14:55

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 83.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136235 | 04/08/13 15:18 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136318 | 04/10/13 13:42 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1141A-CS

Lab Sample ID: 680-88811-82

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.2

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136235 | 04/08/13 15:18 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136318 | 04/10/13 13:57 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1141A-CSD

Lab Sample ID: 680-88811-83

Date Collected: 03/28/13 14:45

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136235 | 04/08/13 15:18 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136318 | 04/10/13 14:12 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135964 | 04/01/13 08:16 | AG | TAL TAM |

Client Sample ID: CV1058A-CS

Lab Sample ID: 680-88811-84

Date Collected: 03/28/13 15:15

Matrix: Solid

Date Received: 03/29/13 09:45

Percent Solids: 86.5

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 3546 | | | 136235 | 04/08/13 15:18 | SC | TAL TAM |
| Total/NA | Analysis | 8270C LL | | 4 | 136318 | 04/10/13 14:27 | SCC | TAL TAM |
| Total/NA | Analysis | Moisture | | 1 | 135977 | 04/01/13 10:25 | AG | TAL TAM |

Laboratory References:

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

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

Phone:
Fax:

| | | | | | |
|---|------------------------------------|---------------------------------------|---|--------------------------------------|--|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>2</i> OF <i>4</i> |
| TAL (LAB) PROJECT MANAGER <i>Lisa Harven</i> | P.O. NUMBER | CONTRACT NO. | COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | <i>LLPAA</i> <i>Metals RCRA 8</i> | STANDARD REPORT DELIVERY <input type="radio"/> |
| CLIENT NAME | | CLIENT E-MAIL | | | DATE DUE _____ |

(b) (6)

CLIENT NAME

CLIENT E-MAIL

(b) (6)

CLIENT ADDRESS

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

EXPEDITED REPORT DELIVERY (SURCHARGE)

DATE DUE _____

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 | |
| <i>3-28-13</i> | <i>0905</i> | <i>CV1123A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>0925</i> | <i>CV1123B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1006</i> | <i>CV1125A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1015</i> | <i>CV1125B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1030</i> | <i>CV1127A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1032</i> | <i>CV1127A-CSD</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1038</i> | <i>CV1127B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1100</i> | <i>CV1131A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1107</i> | <i>CV1131B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | <i>X</i> | | | | |
| | <i>1118</i> | <i>CV1131C-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1345</i> | <i>CV1056A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1347</i> | <i>CV1056A-CSD</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |

Page 26 of 32

| | | | | | | | | |
|--|------------------------|---------------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>3-28-13</i> | TIME <i>1730</i> | 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 |

4/10/2013

| | | | | | | |
|--|-------------------------|---------------------|---|------------------|--------------------------------------|--|
| RECEIVED FOR LABORATORY BY (SIGNATURE) <i>[Signature]</i> | DATE <i>03/29/13</i> | TIME <i>0945</i> | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. <i>680-88811</i> | LABORATORY REMARKS <i>3.8^c</i> |
|--|-------------------------|---------------------|---|------------------|--------------------------------------|--|



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

Phone:
Fax:

| | | | | | |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | PAGE <i>3</i> OF <i>4</i> |
|--|------------------------------------|---------------------------------------|-------------|-------------------|---------------------------|

| | | | | | | |
|---|-------------|--------------|---|--------------------------------|---|----------------|
| TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i> | P.O. NUMBER | CONTRACT NO. | COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | LL PAH <i>Metals - PCBs</i> | STANDARD REPORT DELIVERY <input type="radio"/> | DATE DUE _____ |
| CLIENT FAX | | | | | | |

(b) (6)
(b) (6)
(b) (6)
CLIENT ADDRESS (b) (6)

| | |
|---|---|
| COMPANY CONTRACTING THIS WORK (if applicable) | NUMBER OF COOLERS SUBMITTED PER SHIPMENT: |
|---|---|

| SAMPLE | SAMPLE IDENTIFICATION | | NUMBER OF CONTAINERS SUBMITTED | | | | | REMARKS |
|--------|-----------------------|--|--------------------------------|--|--|--|--|---------|
| DATE | TIME | | | | | | | |

| DATE | TIME | SAMPLE IDENTIFICATION | COMPOSITE (C) OR GRAB (G) INDICATE | AQUEOUS (WATER) | SOLID OR SEMISOLID | AIR | NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | NUMBER OF CONTAINERS SUBMITTED | REMARKS |
|---------|------|-----------------------|------------------------------------|-----------------|--------------------|-----|---------------------------------------|--------------------------------|---------|
| 3-28-13 | 1355 | CV1056B-CS | C | X | | | X | | |
| | 1305 | CV1124A-CS | C | X | | | X | | |
| | 1315 | CV1124B-CS | C | X | | | X | | |
| | 1335 | CV1126A-CS | C | X | | | X | | |
| | 1345 | CV1126B-CS | C | X | | | X | | |
| | 1255 | CV1138A-CS | C | X | | | X | | |
| | 1305 | CV1138B-CS | C | X | | | X | X | |
| | 1310 | CV1140A-CS | C | X | | | X | | |
| | 1315 | CV1140B-CS | C | X | | | X | | |
| | 1440 | CV1052A-CS | C | X | | | X | | |
| | 1450 | CV1052B-CS | C | X | | | X | X | |
| | 1405 | CV1054A-CS | C | X | | | X | | |

| | | | | | | | | |
|--|------------------------|---------------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>3-28-13</i> | TIME <i>1730</i> | 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 |

| | | | | | | |
|---|-------------------------|---------------------|---|------------------|---|----------------------------------|
| RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>03/29/13</i> | TIME <i>0945</i> | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. <i>680</i> <i>88811</i> | LABORATORY REMARKS <i>3.8</i> |
|---|-------------------------|---------------------|---|------------------|---|----------------------------------|

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4/10/2013



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

Phone:
Fax:

| | | | | | | | | |
|---|---|---|---|-------------------|---------------------|--|--|--|
| PROJECT REFERENCE <i>35th Ave Removal</i> | PROJECT NO. <i>2005148-1356</i> | PROJECT LOCATION (STATE) <i>AL</i> | MATRIX TYPE | REQUIRED ANALYSIS | | | | PAGE <i>4</i> OF <i>4</i> |
| TAL (LAB) PROJECT MANAGER <i>Lisa Harvey</i> | P.O. NUMBER | CONTRACT NO. | COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...) | <i>LL PAH</i> | <i>Metals PCA 8</i> | | | STANDARD REPORT DELIVERY <input type="radio"/> |
| CLIENT PHONE | CLIENT FAX | DATE DUE _____ | | | | | | |
| CLIENT E-MAIL | | EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/> | | | | | | |
| CLIENT ADDRESS | COMPANY CONTRACTING THIS WORK (if applicable) | | | | | | | DATE DUE _____ |

(b) (6)
(b) (6)

PRESERVATIVE

| 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 | | | | | | | | | | | |
| <i>3-28-13</i> | <i>1415</i> | <i>CV1054B-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1455</i> | <i>CV1136A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1445</i> | <i>CV1141A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1445</i> | <i>CV1141A-CSD</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1515</i> | <i>CV1058A-CS</i> | <i>C</i> | <i>X</i> | | | <i>X</i> | | | | | |
| | <i>1107</i> | <i>CV1131B-CS (sieve)</i> | <i>C</i> | <i>X</i> | | | | <i>X</i> | | | | |
| | <i>1305</i> | <i>CV1138B-CS (sieve)</i> | <i>C</i> | <i>X</i> | | | | <i>X</i> | | | | |
| | <i>1450</i> | <i>CV1052B-CS (sieve)</i> | <i>C</i> | <i>X</i> | | | | <i>X</i> | | | | |
| | <i>0925</i> | <i>CV1119B-CS (sieve)</i> | <i>C</i> | <i>X</i> | | | | <i>X</i> | | | | |

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| | | | | | | | | |
|--|------------------------|---------------------|------------------------------|------|------|------------------------------|------|------|
| RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i> | DATE <i>3-28-13</i> | TIME <i>1730</i> | 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>[Signature]</i> | DATE <i>03/29/13</i> | TIME <i>0945</i> | CUSTODY INTACT YES <input type="radio"/> NO <input type="radio"/> | CUSTODY SEAL NO. | SAVANNAH LOG NO. <i>680-88811</i> | LABORATORY REMARKS <i>3.8</i> |
|---|-------------------------|---------------------|---|------------------|-----------------------------------|----------------------------------|

4/10/2013



Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88811-4

SDG Number: 68088811-4

Login Number: 88811

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 leg ble 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. | True | |
| 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: 680-88811-4

SDG Number: 68088811-4

Login Number: 88811

List Number: 1

Creator: Edwards, Erricka

List Source: TestAmerica Tampa

List Creation: 03/30/13 10:20 AM

| 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. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have leg ble 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. | True | |
| 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: 680-88811-4
 SDG: 68088811-4

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 |
| 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 |
| Guam | State Program | 9 | 09-005r | 04-17-13 |
| 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 |
| 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 |
| Georgia | State Program | 4 | 905 | 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: 680-88811-4
SDG: 68088811-4

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 |
|-----------|---------|------------|------------------|-----------------|
| USDA | Federal | | P330-11-00177 | 04-20-14 |

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