

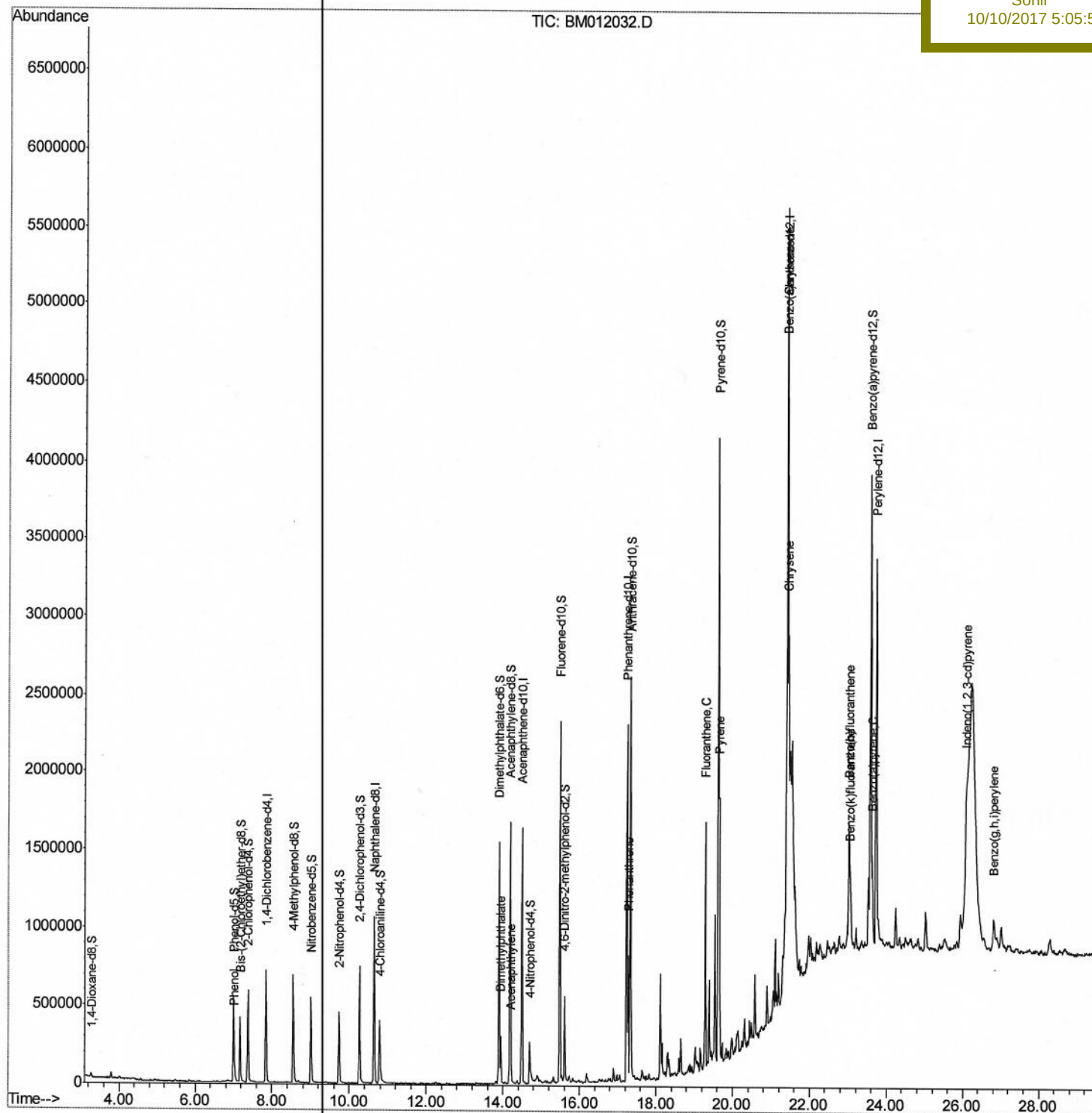
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
Data File : BM012032.D  
Acq On : 10 Oct 2017 02:52  
Operator : SJ/JU  
Sample : I5414-16  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:57:59 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 10 02:27:01 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
B0BN5

Manual Integrations  
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10/10/2017 5:05:54 PM



## Quantitation Report (Qedit)

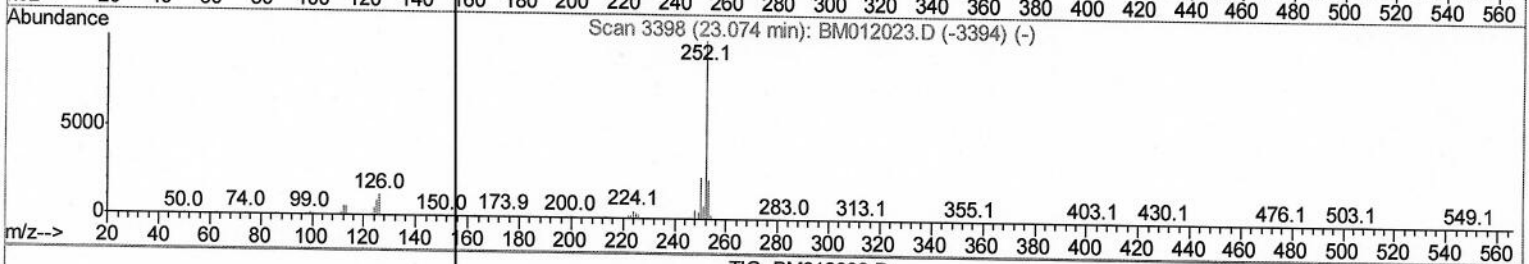
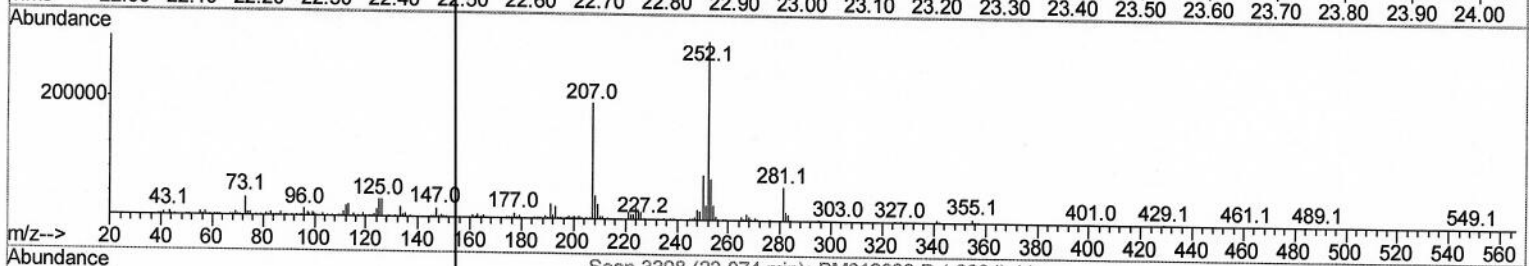
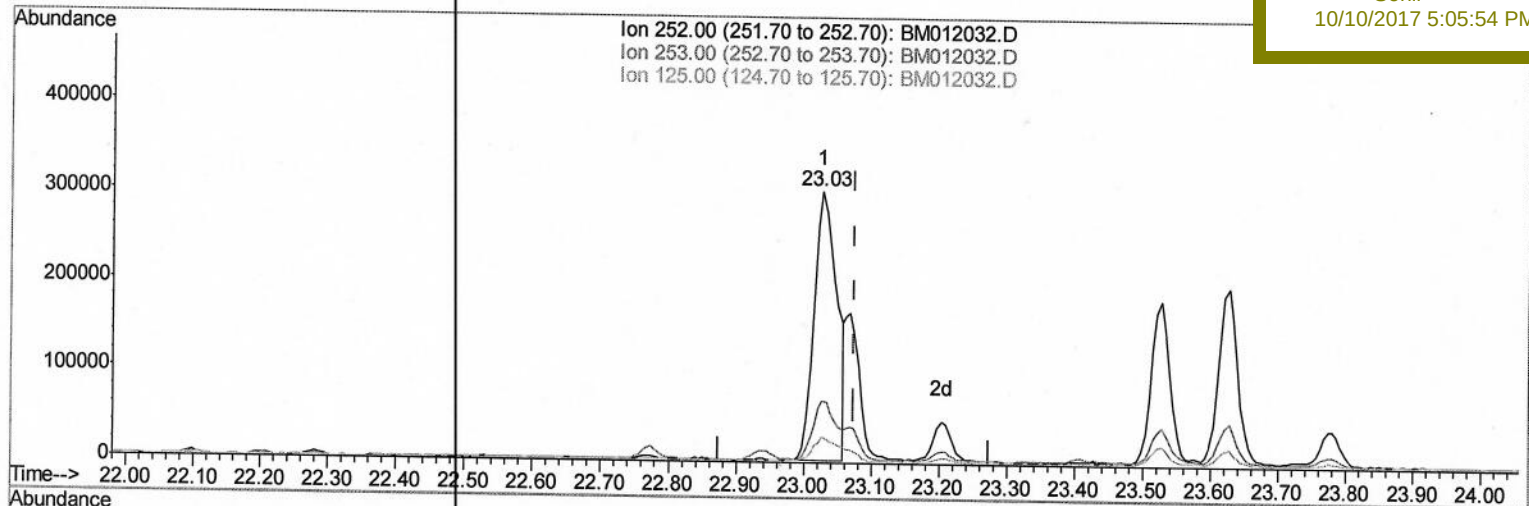
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
Data File : BM012032.D  
Acq On : 10 Oct 2017 02:52  
Operator : SJ/JU  
Sample : I5414-16  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:55:08 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 10 02:27:01 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B0BN5

Manual Integrations  
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(86) Benzo(k)fluoranthene

23.027min (-0.047) 6.14ng/ul

response 691494

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 22.58 |
| 125.00 | 4.30  | 9.61# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

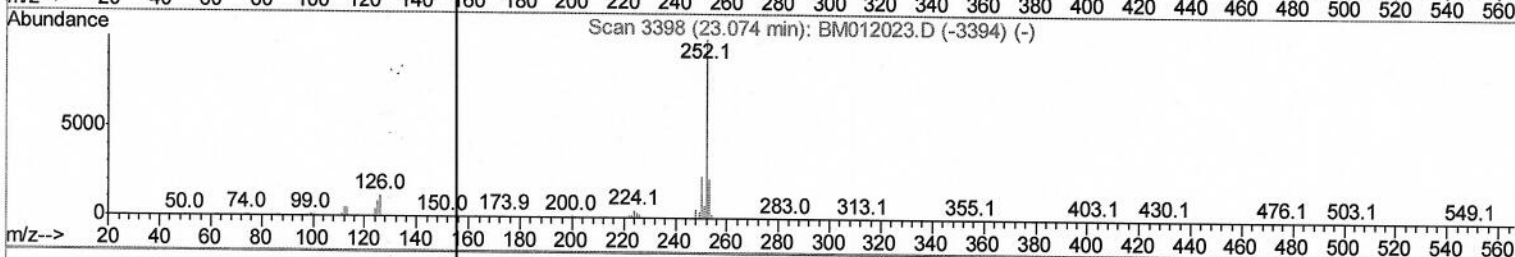
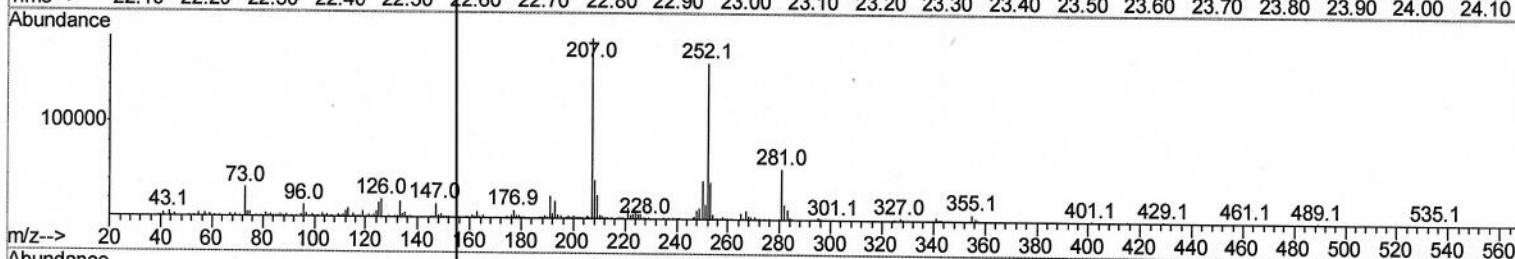
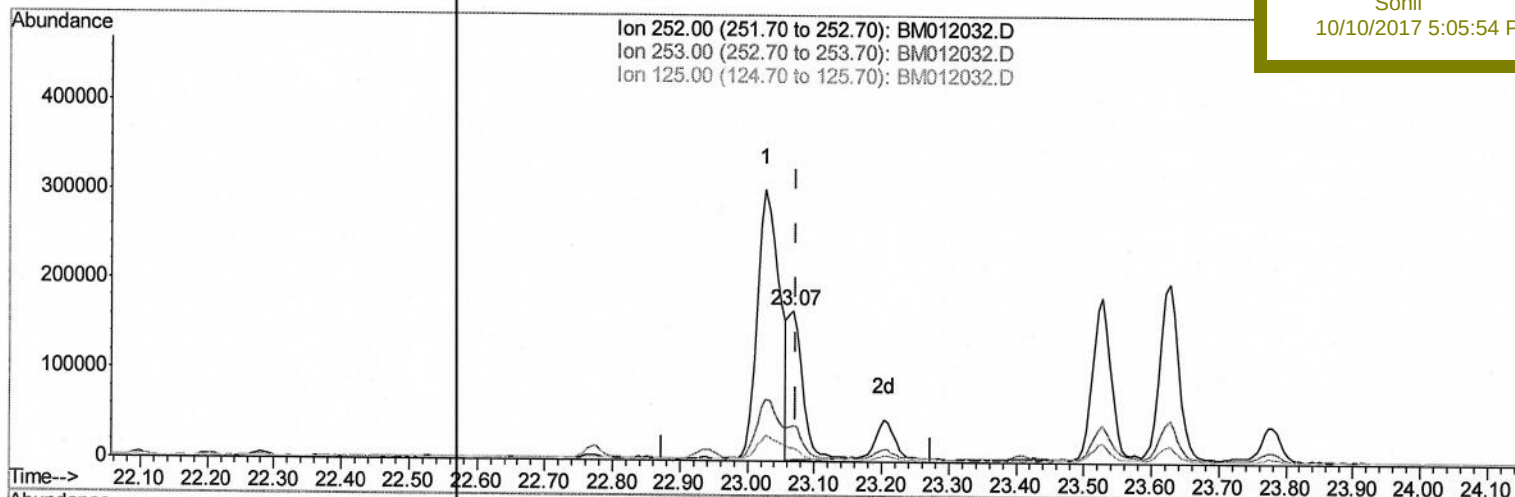
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
 Data File : BM012032.D  
 Acq On : 10 Oct 2017 02:52  
 Operator : SJ/JU  
 Sample : I5414-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:55:08 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 02:27:01 2017  
 Response via : Initial Calibration

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 B0BN5

**Manual Integrations**  
**APPROVED**

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 10/10/2017 5:05:54 PM



(86) Benzo(k)fluoranthene

23.068min (-0.006) 2.25ng/ul m ) 54 10/13/17

response 253454

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.09 |
| 125.00 | 4.30  | 9.41# |
| 0.00   | 0.00  | 0.00  |



## Quantitation Report (Qedit)

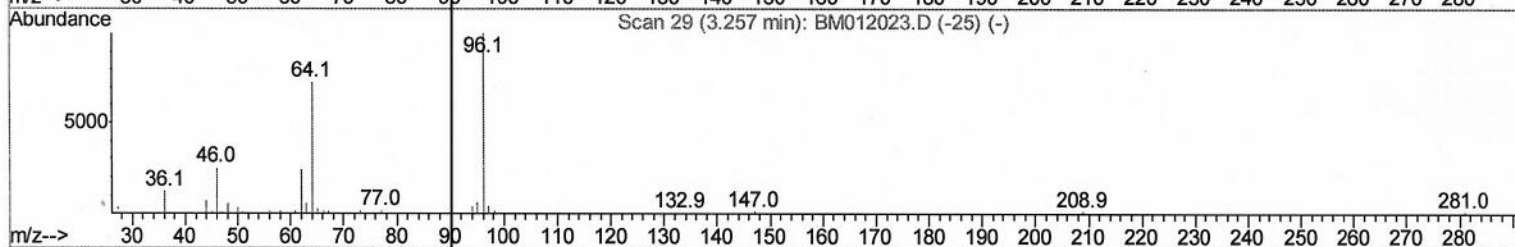
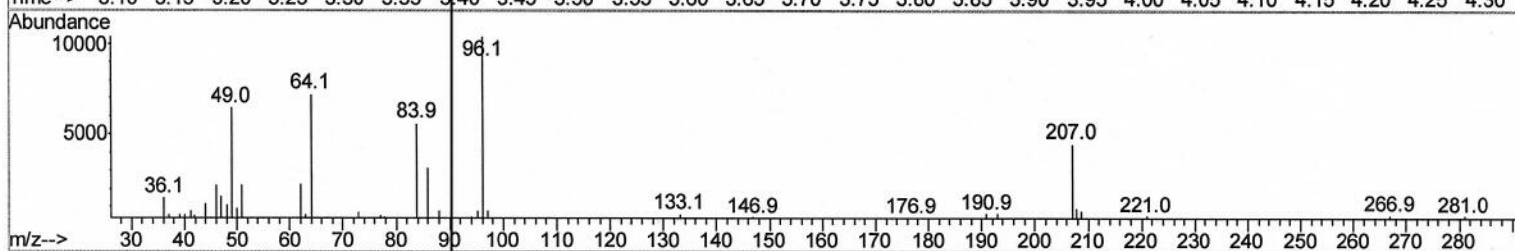
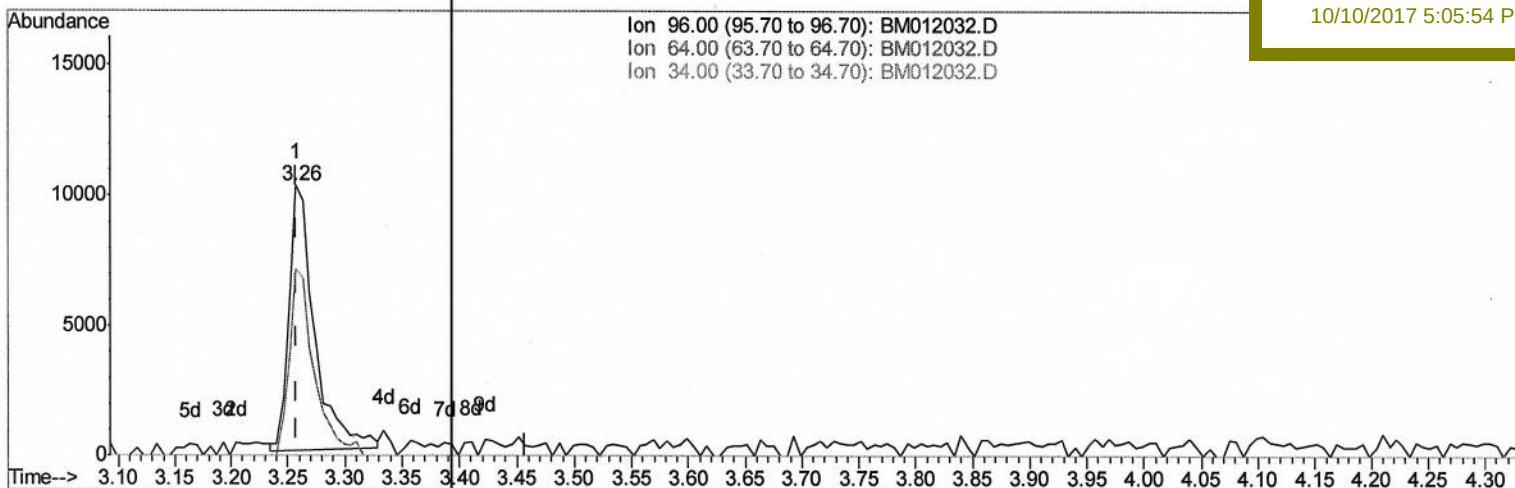
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
Data File : BM012032.D  
Acq On : 10 Oct 2017 02:52  
Operator : SJ/JU  
Sample : I5414-16  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:36:54 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 10 02:27:01 2017  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
B0BN5

Manual Integrations  
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TIC: BM012032.D

(3) 1,4-Dioxane-d8 (S)  
3.258min (+0.000) 3.92ng/uL  
response 16190

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 96.00 | 100   | 100   |
| 64.00 | 74.90 | 66.49 |
| 34.00 | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

# Quantitation Report (Qedit)

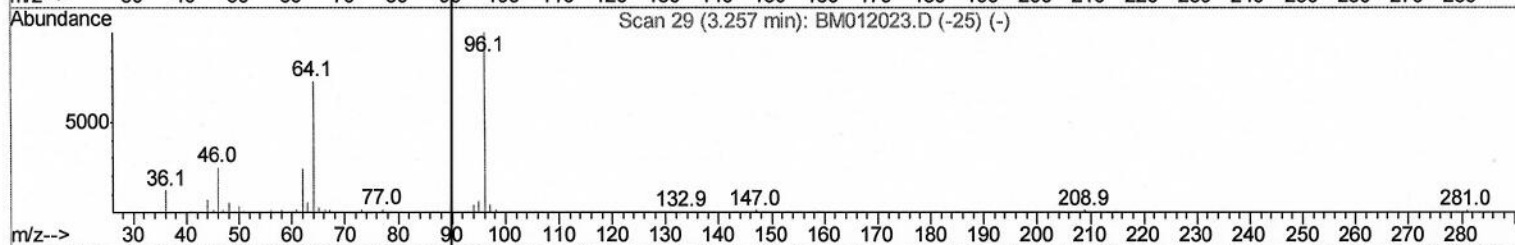
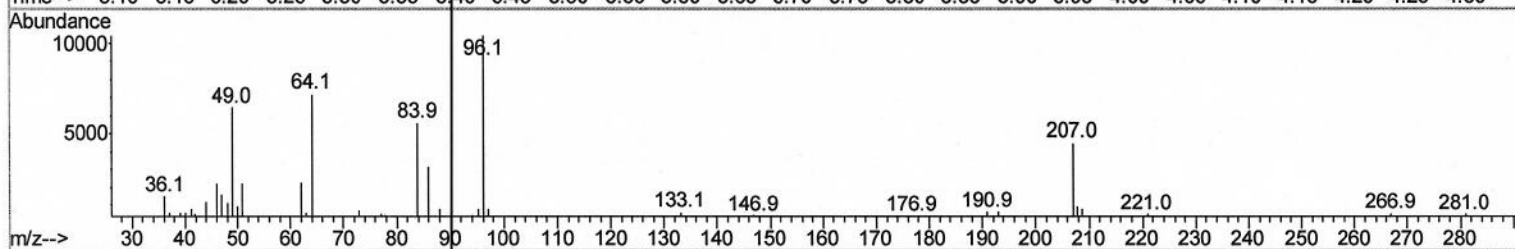
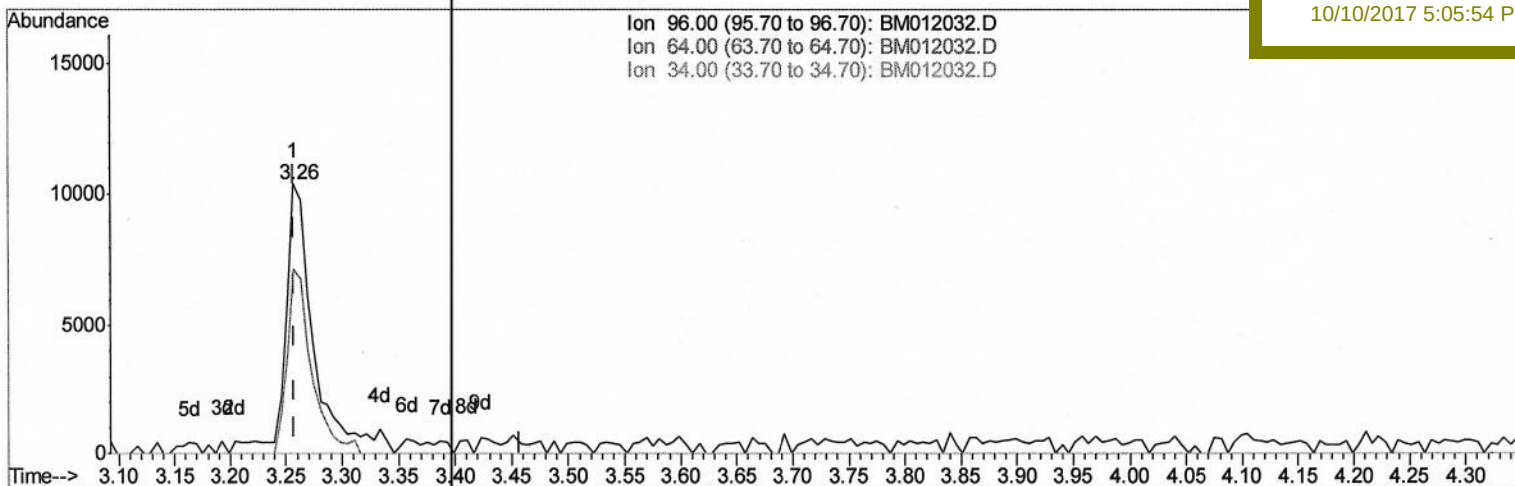
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
 Data File : BM012032.D  
 Acq On : 10 Oct 2017 02:52  
 Operator : SJ/JU  
 Sample : I5414-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:36:54 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 02:27:01 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0BN5

Manual Integrations  
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TIC: BM012032.D

(3) 1,4-Dioxane-d8 (S)

3.258min (+0.000) 4.55ng/uL m ) J4101B117

response 18790

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 74.90 | 57.29# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

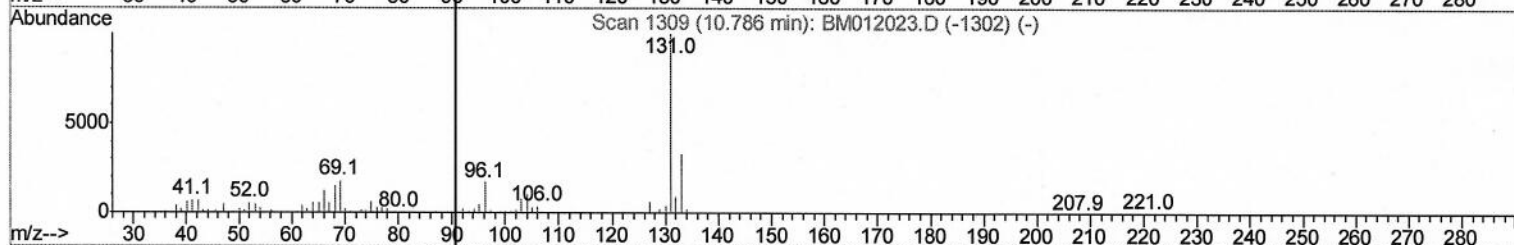
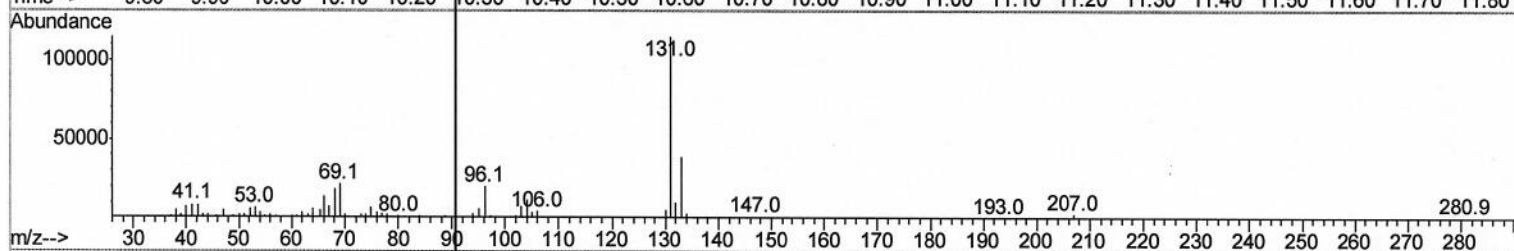
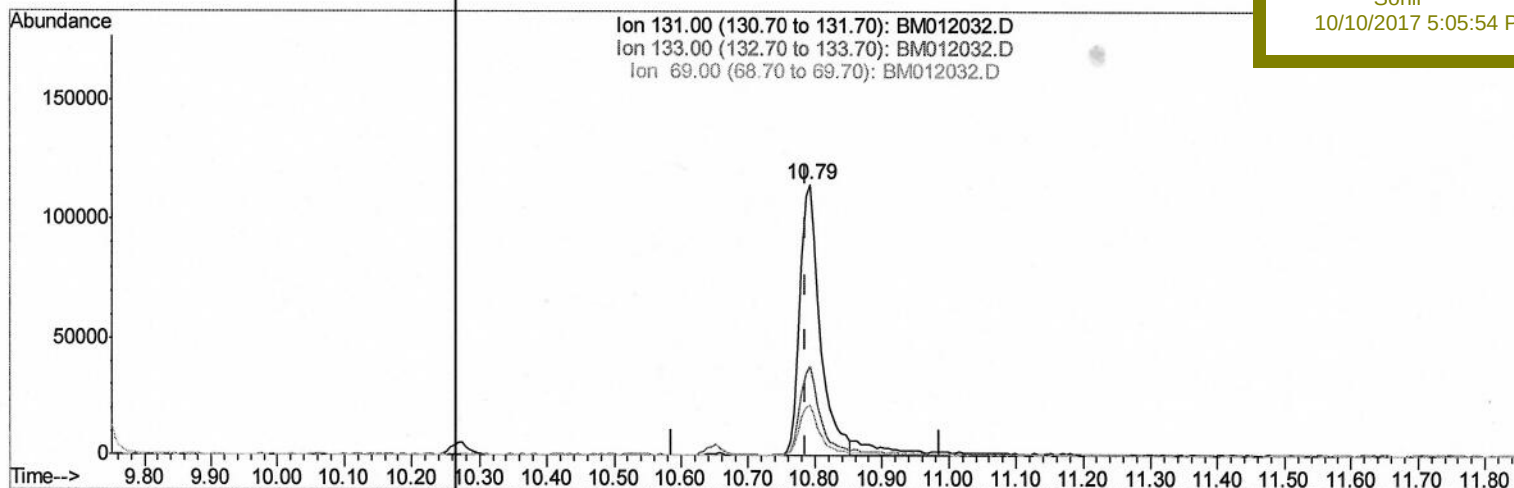
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
 Data File : BM012032.D  
 Acq On : 10 Oct 2017 02:52  
 Operator : SJ/JU  
 Sample : I5414-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:53:37 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 02:27:01 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0BN5

Manual Integrations  
 APPROVED

Sohil  
 10/10/2017 5:05:54 PM



TIC: BM012032.D

(29) 4-Chloroaniline-d4 (S)  
 10.792min (+0.006) 15.86ng/ul  
 response 242792

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 33.57  |
| 69.00  | 24.30 | 18.66# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

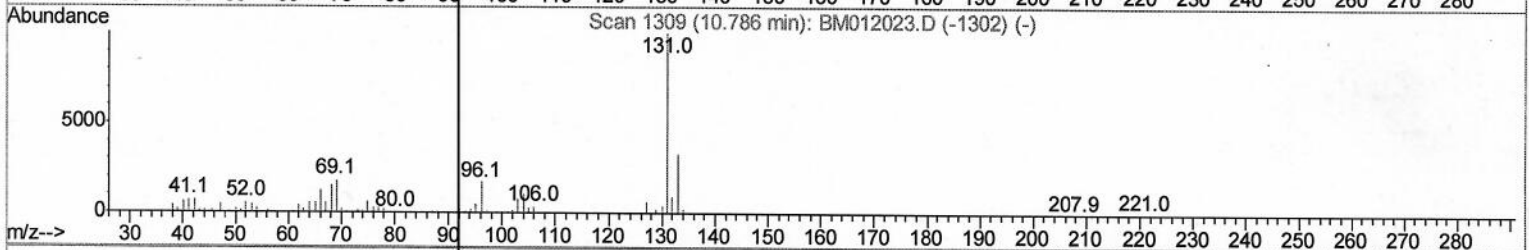
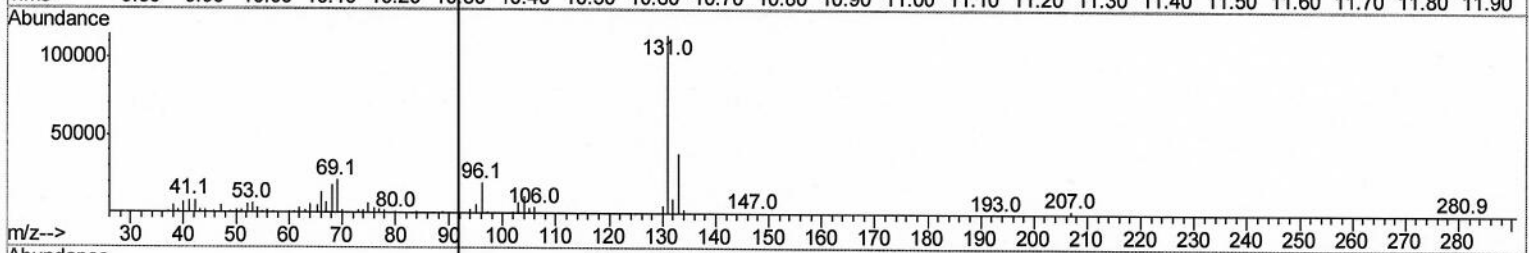
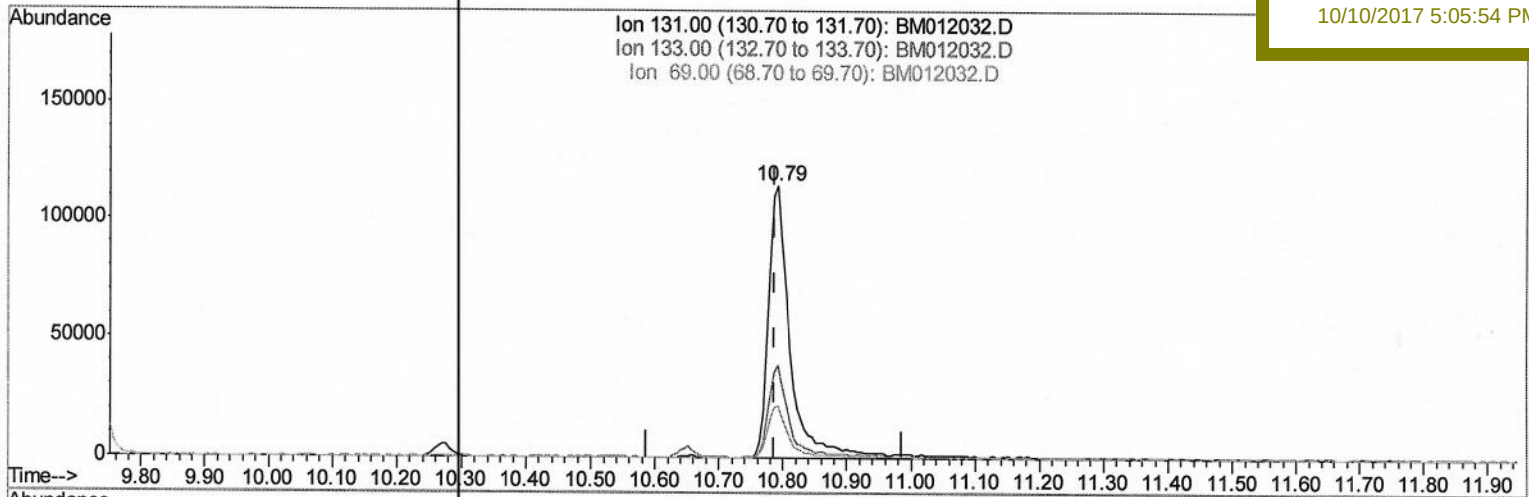
Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
 Data File : BM012032.D  
 Acq On : 10 Oct 2017 02:52  
 Operator : SJ/JU  
 Sample : I5414-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 10 03:53:37 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 02:27:01 2017  
 Response via : Initial Calibration

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0BN5

Manual Integrations  
 APPROVED

Sohil  
 10/10/2017 5:05:54 PM



TIC: BM012032.D

(29) 4-Chloroaniline-d4 (S)

10.792min (+0.006) 17.18ng/ul m > J41013117

response 263063

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 33.57  |
| 69.00  | 24.30 | 18.66# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\  
 Data File : BM012032.D  
 Acq On : 10 Oct 2017 02:52  
 Operator : SJ/JU  
 Sample : I5414-16  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 Client Sample Id :  
 B0BN5

Quant Time: Oct 10 03:57:59 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 10 02:27:01 2017  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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 10/10/2017 5:05:54 PM

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev (Min) |
|---------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 195121   | 20.00 | ng/ul | 0.00      |
| 18) Naphthalene-d8        | 10.65 | 136  | 865492   | 20.00 | ng/ul | 0.00      |
| 35) Acenaphthene-d10      | 14.49 | 164  | 535189   | 20.00 | ng/ul | 0.00      |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1324658  | 20.00 | ng/ul | 0.00      |
| 75) Chrysene-d12          | 21.41 | 240  | 1811370  | 20.00 | ng/ul | 0.00      |
| 83) Perylene-d12          | 23.73 | 264  | 1856446  | 20.00 | ng/ul | 0.00      |

## System Monitoring Compounds

|                                |       |     |           |       |       |      |              |
|--------------------------------|-------|-----|-----------|-------|-------|------|--------------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 18790m )  | 4.55  | ng/uL | 0.00 | > 5410/13/17 |
| 5) Phenol-d5                   | 7.00  | 99  | 307447    | 18.31 | ng/ul | 0.00 |              |
| 7) Bis-(2-Chloroethyl) ether-d | 7.17  | 67  | 194426    | 19.57 | ng/ul | 0.00 |              |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 271826    | 20.18 | ng/ul | 0.00 |              |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 273355    | 18.84 | ng/ul | 0.00 |              |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 125014    | 20.28 | ng/ul | 0.00 |              |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 137293    | 19.78 | ng/ul | 0.00 |              |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 292112    | 20.82 | ng/ul | 0.00 |              |
| 29) 4-Chloroaniline-d4         | 10.79 | 131 | 263063m ) | 17.18 | ng/ul | 0.00 | > 5410/13/17 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 1008558   | 21.74 | ng/ul | 0.00 |              |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 1196484   | 21.95 | ng/ul | 0.00 |              |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 85508     | 10.55 | ng/ul | 0.00 |              |
| 57) Fluorene-d10               | 15.48 | 176 | 907933    | 22.18 | ng/ul | 0.00 |              |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 122707    | 13.77 | ng/ul | 0.00 |              |
| 70) Anthracene-d10             | 17.33 | 188 | 1449754   | 22.21 | ng/ul | 0.00 |              |
| 76) Pyrene-d10                 | 19.63 | 212 | 1896268   | 23.21 | ng/ul | 0.00 |              |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 2024375   | 22.67 | ng/ul | 0.00 |              |

## Target Compounds

|                            |       |     |           |        | Ovalue |              |
|----------------------------|-------|-----|-----------|--------|--------|--------------|
| 6) Phenol                  | 7.03  | 94  | 28615     | 1.723  | ng/ul  | 96           |
| 44) Dimethylphthalate      | 13.95 | 163 | 186382    | 4.177  | ng/ul  | 100          |
| 47) Acenaphthylene         | 14.22 | 152 | 71376     | 1.351  | ng/ul  | 98           |
| 69) Phenanthrene           | 17.28 | 178 | 488344    | 6.702  | ng/ul  | 99           |
| 74) Fluoranthene           | 19.29 | 202 | 944396    | 10.623 | ng/ul# | 91           |
| 77) Pyrene                 | 19.66 | 202 | 827171    | 8.236  | ng/ul# | 89           |
| 80) Benzo(a)anthracene     | 21.40 | 228 | 338878    | 3.266  | ng/ul  | 97           |
| 82) Chrysene               | 21.44 | 228 | 538869    | 5.465  | ng/ul  | 99           |
| 85) Benzo(b)fluoranthene   | 23.03 | 252 | 691494    | 6.128  | ng/ul# | 97           |
| 86) Benzo(k)fluoranthene   | 23.07 | 252 | 253454m ) | 2.250  | ng/ul  | > 5410/13/17 |
| 88) Benzo(a)pyrene         | 23.63 | 252 | 376518    | 3.473  | ng/ul# | 95           |
| 89) Indeno(1,2,3-cd)pyrene | 26.09 | 276 | 291788    | 2.515  | ng/ul# | 93           |
| 91) Benzo(g,h,i)perylene   | 26.81 | 276 | 235705    | 2.456  | ng/ul# | 91           |

(#) = qualifier out of range (m) = manual integration (+) = signals summed