

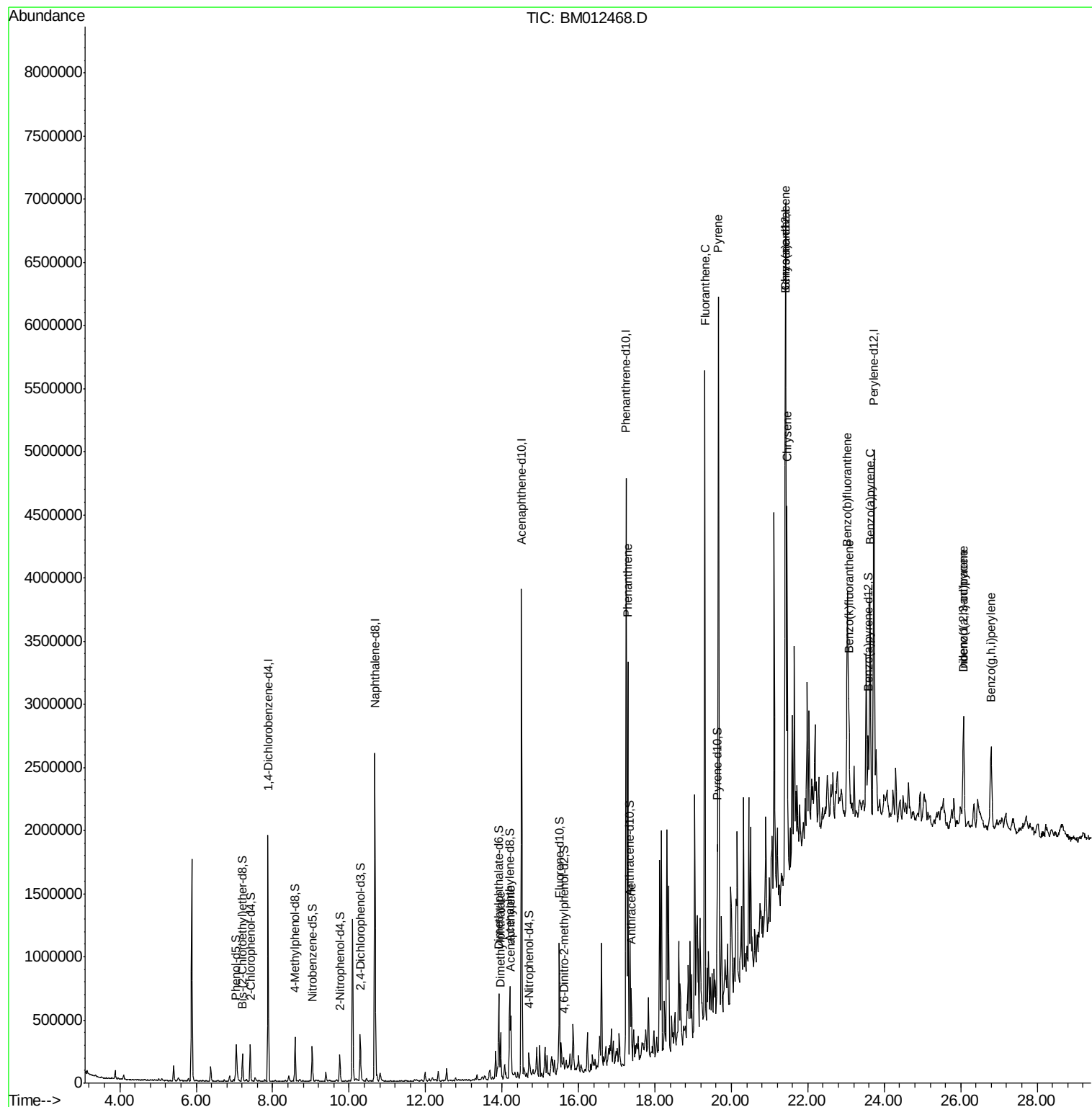
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102517\  
Data File : BM012468.D  
Acq On : 26 Oct 2017 11:48  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:35 AM

Quant Time: Oct 26 14:50:07 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 09:35:31 2017  
Response via : Initial Calibration



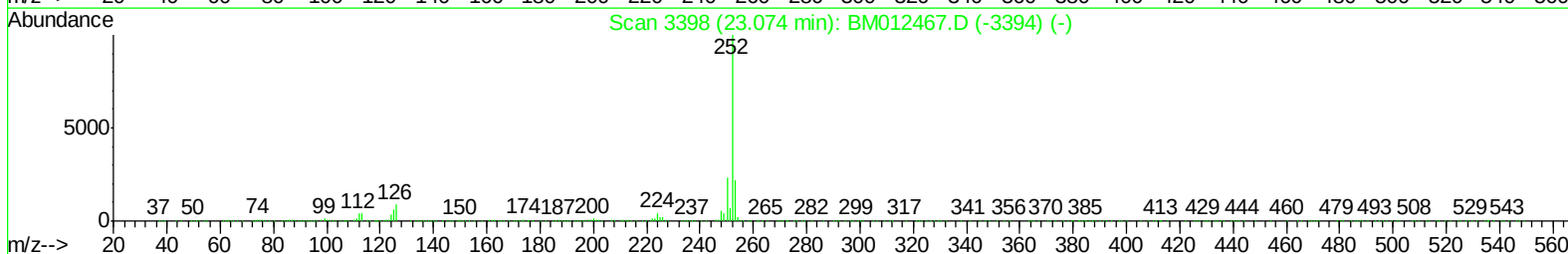
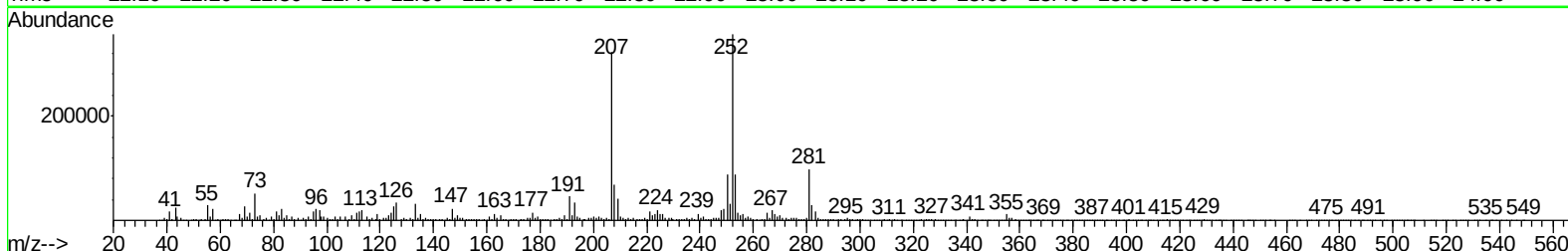
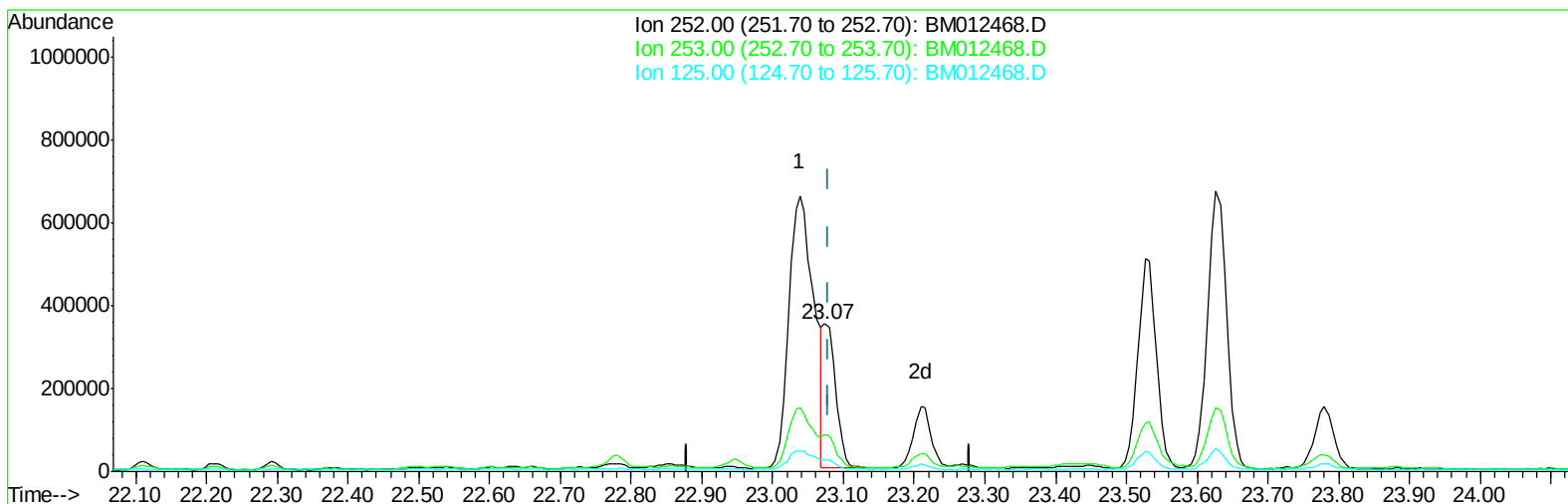
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TIC: BM012468.D

(86) Benzo(k)fluoranthene

23.074min (-0.006) 3.19ng/ul m

response 423468

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.76 |
| 125.00 | 4.30  | 7.96# |
| 0.00   | 0.00  | 0.00  |

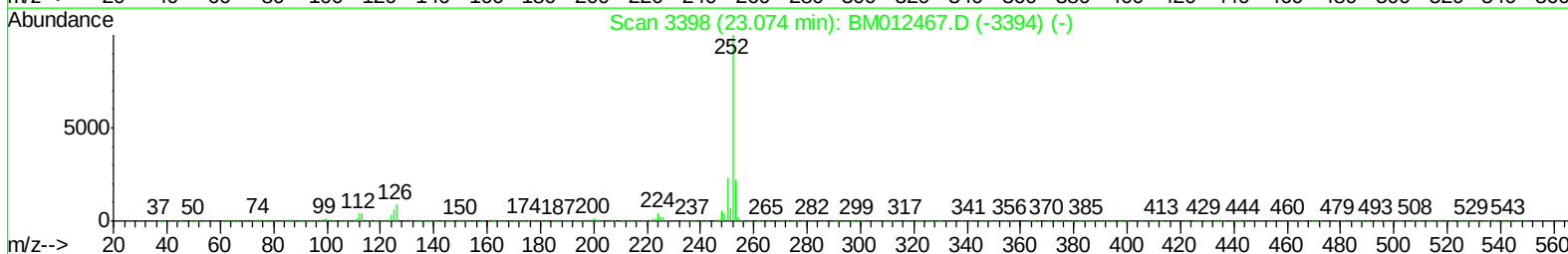
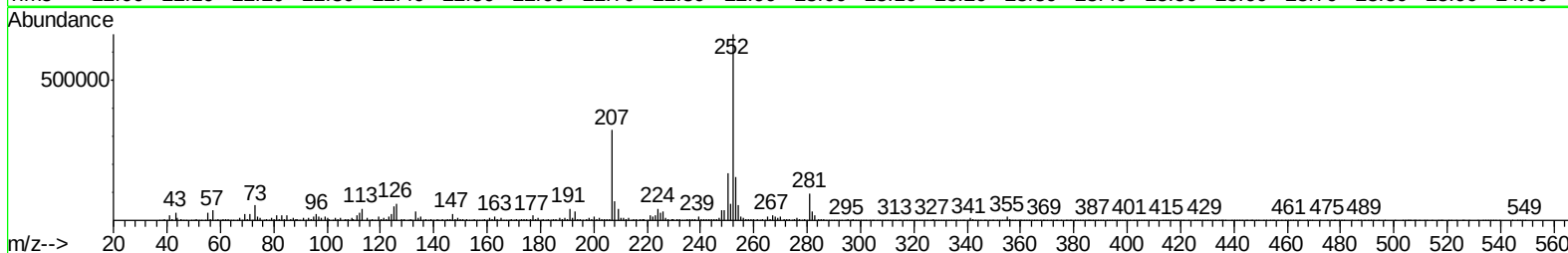
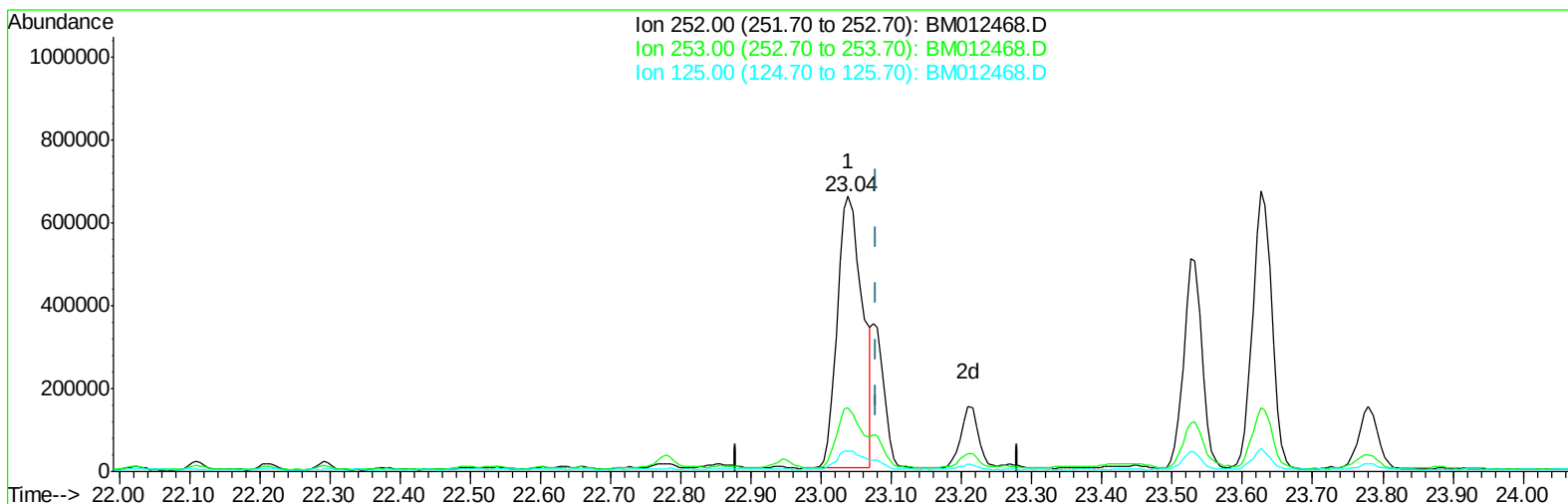
Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102517\  
Data File : BM012468.D  
Acq On : 26 Oct 2017 11:48  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:35 AM

Quant Time: Oct 27 04:36:19 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 09:35:31 2017  
Response via : Initial Calibration



TIC: BM012468.D

(86) Benzo(k)fluoranthene

23.039min (-0.041) 12.18ng/ul

response 1615386

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.28 |
| 125.00 | 4.30  | 7.62# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM102517\  
 Data File : BM012468.D  
 Acq On : 26 Oct 2017 11:48  
 Operator : SJ/JU  
 Sample : I5701-18DL 5X  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B0CK4DL

Manual Integrations  
 APPROVED

Sohil  
 10/27/2017 8:54:35 AM

Quant Time: Oct 26 14:50:07 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 26 09:35:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 496241   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 2030056  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.51 | 164  | 1214188  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 2609064  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 2066378  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.73 | 264  | 2278688  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.37  | 96  | 6465   | 0.67 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 146508 | 3.53 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.21  | 67  | 95007  | 3.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 117600 | 3.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.58  | 113 | 119538 | 3.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 56962  | 4.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 62202  | 4.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.29 | 165 | 128484 | 3.70 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.81 | 131 | 35716  | 0.98 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 415592 | 3.92 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 499650 | 3.98 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 39536  | 2.51 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.50 | 176 | 350337 | 3.90 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 21536  | 1.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 518078 | 4.17 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 472374 | 4.98 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 432279 | 3.99 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        | Qvalue |    |
|----------------------------|-------|-----|---------|--------|--------|----|
| 44) Dimethylphthalate      | 13.96 | 163 | 162159  | 1.546  | ng/ul  | 99 |
| 47) Acenaphthylene         | 14.23 | 152 | 321772  | 2.687  | ng/ul  | 99 |
| 69) Phenanthrene           | 17.29 | 178 | 1816345 | 12.873 | ng/ul  | 99 |
| 71) Anthracene             | 17.38 | 178 | 378634  | 2.596  | ng/ul  | 98 |
| 74) Fluoranthene           | 19.30 | 202 | 2767480 | 17.310 | ng/ul# | 94 |
| 77) Pyrene                 | 19.66 | 202 | 3492772 | 29.724 | ng/ul# | 92 |
| 80) Benzo(a)anthracene     | 21.40 | 228 | 1430481 | 11.561 | ng/ul  | 94 |
| 82) Chrysene               | 21.46 | 228 | 1584893 | 14.406 | ng/ul  | 96 |
| 85) Benzo(b)fluoranthene   | 23.04 | 252 | 1615386 | 11.468 | ng/ul# | 97 |
| 86) Benzo(k)fluoranthene   | 23.07 | 252 | 423468m | 3.194  | ng/ul  |    |
| 88) Benzo(a)pyrene         | 23.63 | 252 | 1276420 | 9.504  | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 26.07 | 276 | 882811  | 5.585  | ng/ul  | 97 |
| 90) Dibenzo(a,h)anthracene | 26.07 | 278 | 255723  | 1.908  | ng/ul# | 80 |
| 91) Benzo(g,h,i)perylene   | 26.79 | 276 | 876086  | 6.839  | ng/ul# | 94 |

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