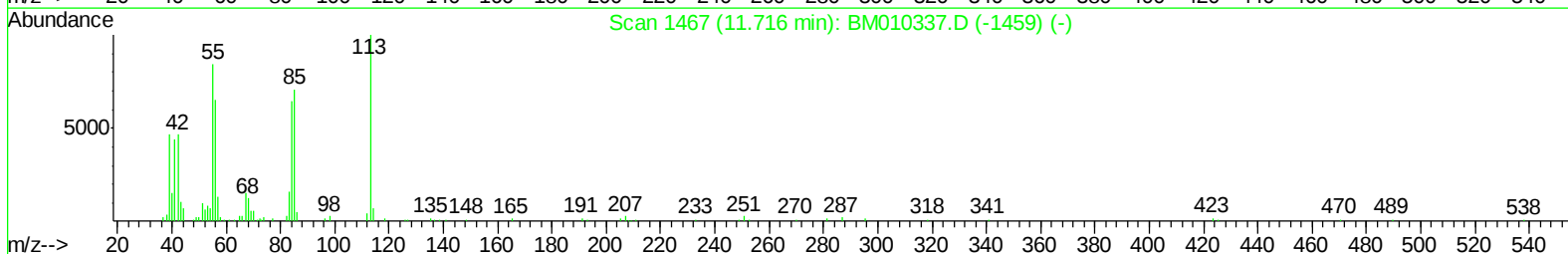
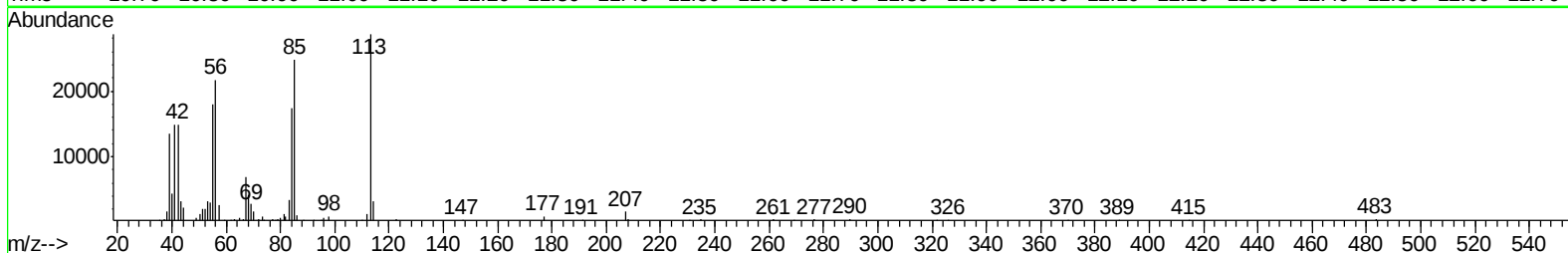
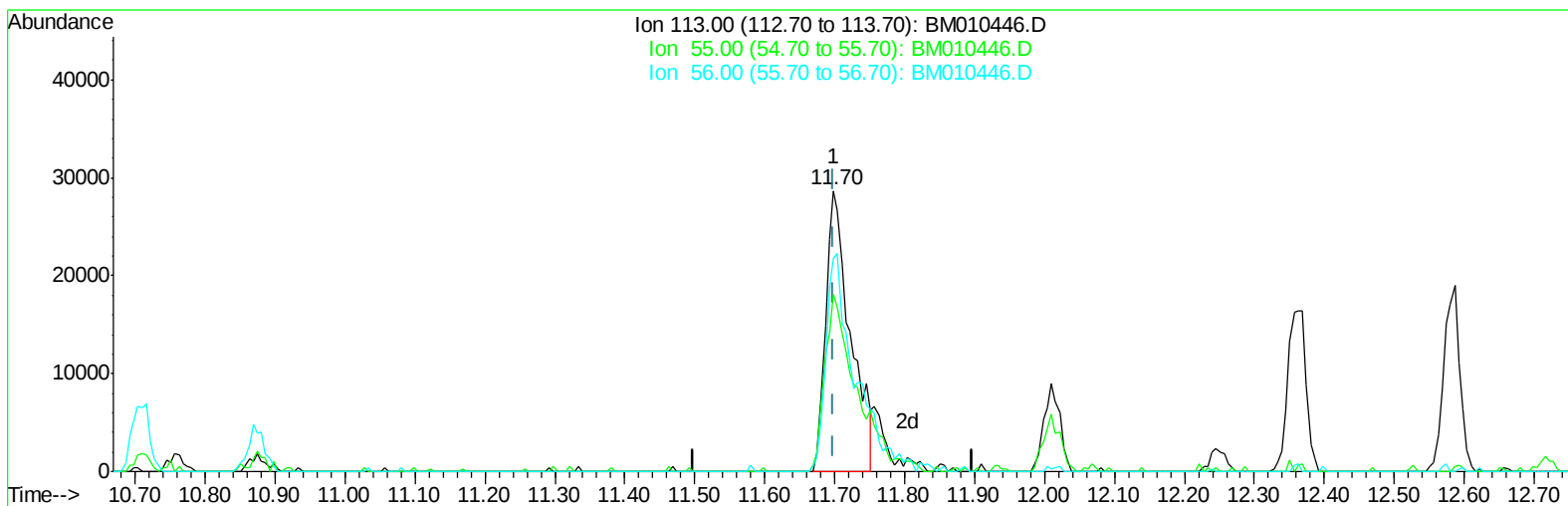


Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060917\  
Data File : BM010446.D  
Acq On : 09 Jun 2017 10:27  
Operator : SJ/MA  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 10:58:53 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 08 01:22:27 2017  
Response via : Initial Calibration



TIC: BM010446.D

(32) Caprolactam

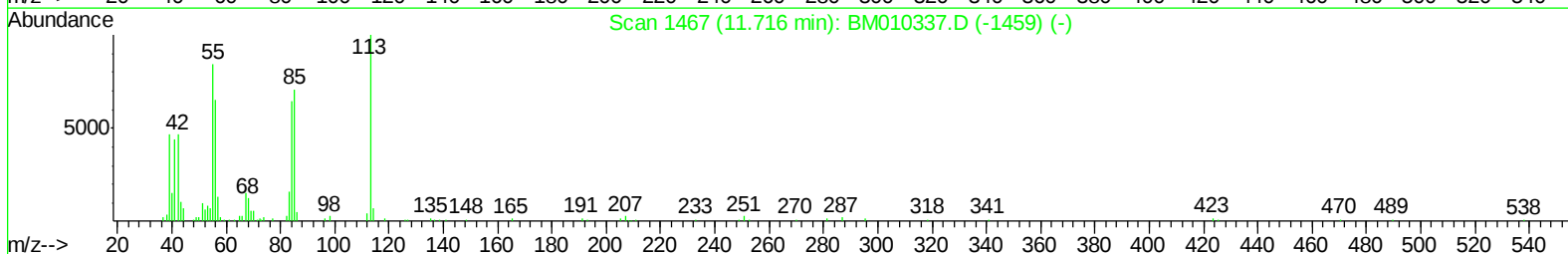
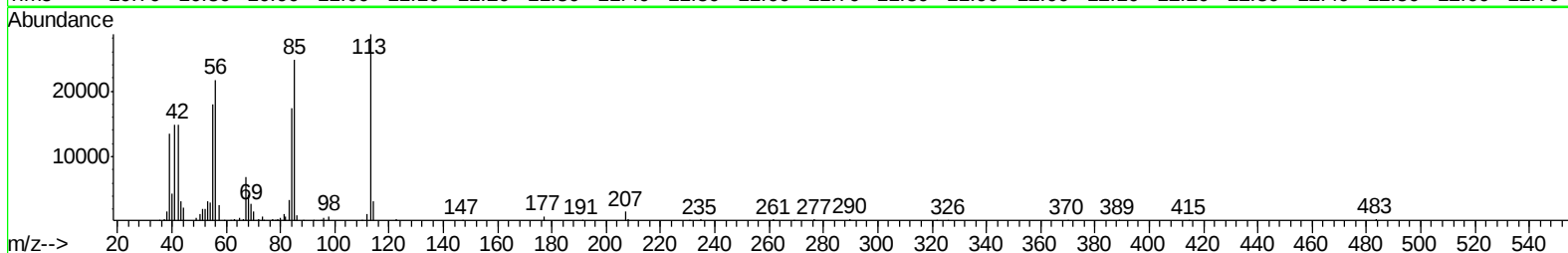
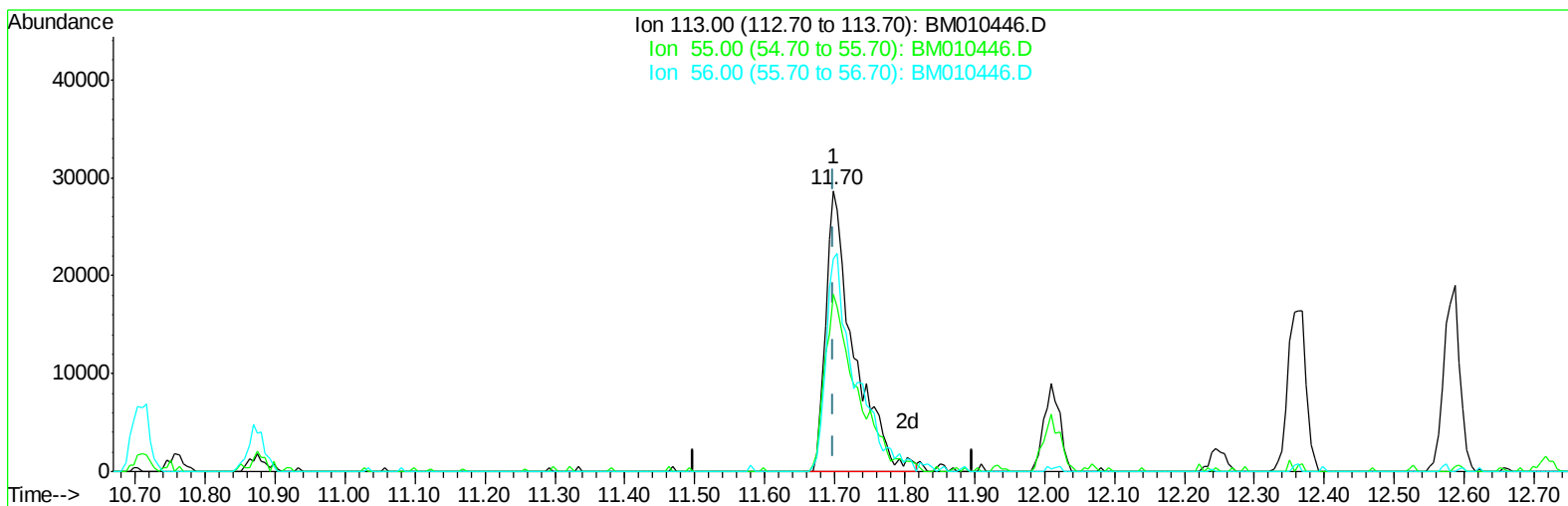
11.698min (+0.000) 17.08ng/ul

response 70058

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 118.50 | 63.06# |
| 56.00  | 107.50 | 75.87# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060917\  
Data File : BM010446.D  
Acq On : 09 Jun 2017 10:27  
Operator : SJ/MA  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 10:58:53 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 08 01:22:27 2017  
Response via : Initial Calibration



TIC: BM010446.D

(32) Caprolactam

11.698min (+0.000) 19.33ng/ul m

response 79315

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 118.50 | 63.06# |
| 56.00  | 107.50 | 75.87# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060917\  
 Data File : BM010446.D  
 Acq On : 09 Jun 2017 10:27  
 Operator : SJ/MA  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 01:43:11 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 08 01:22:27 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.90  | 152  | 251359   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.71 | 136  | 959844   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.54 | 164  | 648384   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.29 | 188  | 1483594  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 1623481  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.80 | 264  | 1588649  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.38  | 96  | 40880   | 6.67  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.09  | 99  | 364835  | 19.15 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.25  | 67  | 206592  | 19.30 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.45  | 132 | 308828  | 20.34 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.63  | 113 | 299659  | 19.50 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 9.09  | 128 | 147069  | 20.92 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.80  | 143 | 181225  | 22.25 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.33 | 165 | 379142  | 22.66 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.87 | 131 | 375984  | 23.29 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.96 | 166 | 1178616 | 21.88 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.24 | 160 | 1336242 | 21.26 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.78 | 143 | 137052  | 17.00 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.53 | 176 | 1011934 | 21.37 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.66 | 200 | 211122  | 20.09 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.39 | 188 | 1465771 | 20.30 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.67 | 212 | 1543843 | 23.00 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.64 | 264 | 1519859 | 20.55 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 49093  | 7.518  | ng/uL# 51 |
| 4) Benzaldehyde                | 7.07  | 77  | 277828 | 21.691 | ng/ul 98  |
| 6) Phenol                      | 7.12  | 94  | 372503 | 19.076 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.34  | 93  | 255119 | 18.826 | ng/ul 89  |
| 10) 2-Chlorophenol             | 7.47  | 128 | 300362 | 19.714 | ng/ul 93  |
| 11) 2-Methylphenol             | 8.36  | 108 | 286411 | 20.093 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.43  | 45  | 98743  | 16.157 | ng/ul# 43 |
| 14) Acetophenone               | 8.75  | 105 | 501438 | 19.995 | ng/ul# 96 |
| 15) N-Nitroso-di-n-propylamine | 8.71  | 70  | 274834 | 21.925 | ng/ul# 83 |
| 16) 4-Methylphenol             | 8.69  | 108 | 308927 | 19.759 | ng/ul 93  |
| 17) Hexachloroethane           | 8.97  | 117 | 150413 | 21.740 | ng/ul 88  |
| 20) Nitrobenzene               | 9.13  | 77  | 425970 | 21.215 | ng/ul 95  |
| 21) Isophorone                 | 9.64  | 82  | 684151 | 22.141 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.83  | 139 | 184461 | 21.359 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.89  | 107 | 425916 | 21.214 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 10.12 | 93  | 351488 | 20.241 | ng/ul 96  |
| 27) 2,4-Dichlorophenol         | 10.36 | 162 | 369826 | 22.560 | ng/ul 94  |
| 28) Naphthalene                | 10.76 | 128 | 978335 | 20.321 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.90 | 127 | 357992 | 22.978 | ng/ul 94  |
| 31) Hexachlorobutadiene        | 11.00 | 225 | 350003 | 23.306 | ng/ul 94  |
| 32) Caprolactam                | 11.70 | 113 | 79315m | 19.334 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.01 | 107 | 342918 | 21.733 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.36 | 142 | 790773 | 21.664 | ng/ul 97  |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM060917\  
 Data File : BM010446.D  
 Acq On : 09 Jun 2017 10:27  
 Operator : SJ/MA  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 01:43:11 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 08 01:22:27 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.72 | 216  | 589819   | 21.868 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.67 | 237  | 328045   | 18.138 | ng/ul# | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.97 | 196  | 328405   | 21.421 | ng/ul  | 93       |
| 39) 2,4,5-Trichlorophenol      | 13.05 | 196  | 346037   | 22.377 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.37 | 154  | 1094063  | 20.800 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.42 | 162  | 855834   | 20.711 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.66 | 65   | 227769   | 21.642 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 14.00 | 163  | 1124421  | 21.224 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.15 | 165  | 213296   | 21.965 | ng/ul# | 85       |
| 47) Acenaphthylene             | 14.27 | 152  | 1286752  | 20.952 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.49 | 138  | 177822   | 19.007 | ng/ul  | 93       |
| 49) Acenaphthene               | 14.60 | 153  | 882221   | 20.483 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.68 | 184  | 134422   | 18.317 | ng/ul  | 93       |
| 52) 4-Nitrophenol              | 14.80 | 109  | 226882   | 20.540 | ng/ul# | 74       |
| 53) Dibenzofuran               | 14.94 | 168  | 1340121  | 21.042 | ng/ul  | 93       |
| 54) 2,4-Dinitrotoluene         | 14.93 | 165  | 311717   | 21.859 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.17 | 232  | 328554   | 22.116 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.35 | 149  | 1107953  | 21.621 | ng/ul  | 95       |
| 58) Fluorene                   | 15.59 | 166  | 1114522  | 21.334 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.58 | 204  | 664726   | 22.263 | ng/ul  | 97       |
| 60) 4-Nitroaniline             | 15.66 | 138  | 166056   | 16.951 | ng/ul  | 86       |
| 63) 4,6-Dinitro-2-methylphenol | 15.67 | 198  | 207355   | 18.622 | ng/ul# | 97       |
| 64) N-Nitrosodiphenylamine     | 15.80 | 169  | 906976   | 20.972 | ng/ul  | 96       |
| 65) 4-Bromophenyl-phenylether  | 16.47 | 248  | 392699   | 21.512 | ng/ul# | 91       |
| 66) Hexachlorobenzene          | 16.57 | 284  | 384856   | 20.133 | ng/ul# | 78       |
| 67) Atrazine                   | 16.74 | 200  | 399745   | 21.267 | ng/ul  | 94       |
| 68) Pentachlorophenol          | 16.93 | 266  | 225217   | 18.508 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.33 | 178  | 1613660  | 20.374 | ng/ul  | 99       |
| 71) Anthracene                 | 17.42 | 178  | 1684110  | 20.368 | ng/ul  | 99       |
| 72) Carbazole                  | 17.71 | 167  | 1291895  | 18.460 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.23 | 149  | 1617878  | 20.478 | ng/ul# | 98       |
| 74) Fluoranthene               | 19.34 | 202  | 1885567  | 19.360 | ng/ul  | 97       |
| 77) Pyrene                     | 19.70 | 202  | 1929832  | 23.068 | ng/ul# | 96       |
| 78) Butylbenzylphthalate       | 20.57 | 149  | 643513   | 22.257 | ng/ul  | 90       |
| 79) 3,3'-Dichlorobenzidine     | 21.38 | 252  | 617810   | 19.387 | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.44 | 228  | 1910114  | 20.864 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 914202   | 21.251 | ng/ul  | 99       |
| 82) Chrysene                   | 21.49 | 228  | 1664327  | 20.111 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.22 | 149  | 1593615  | 21.795 | ng/ul# | 93       |
| 85) Benzo(b)fluoranthene       | 23.08 | 252  | 1909220  | 20.653 | ng/ul  | 100      |
| 86) Benzo(k)fluoranthene       | 23.13 | 252  | 1868236  | 21.156 | ng/ul  | 98       |
| 88) Benzo(a)pyrene             | 23.69 | 252  | 1893137  | 20.661 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.19 | 276  | 2459183  | 21.243 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 26.19 | 278  | 2075175  | 20.814 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.93 | 276  | 2024496  | 21.227 | ng/ul  | 98       |

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

