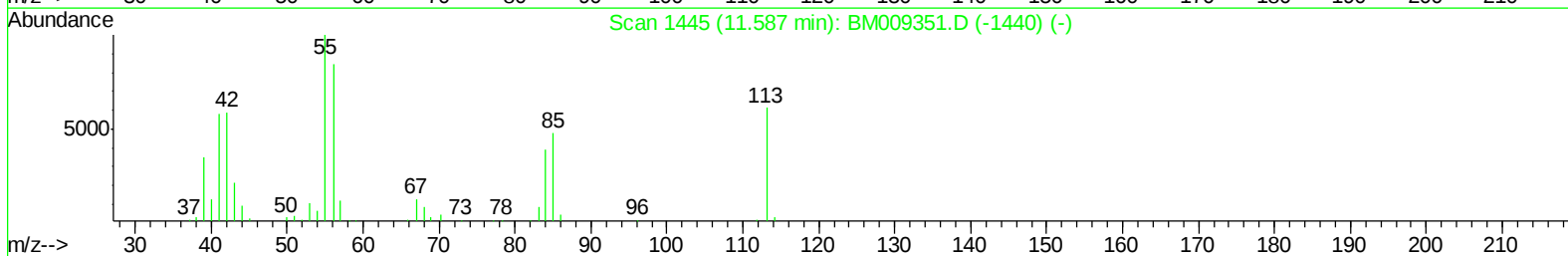
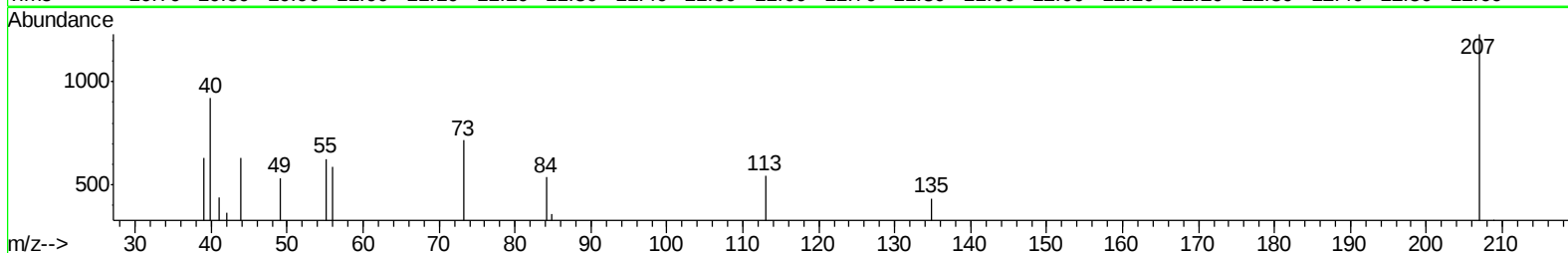
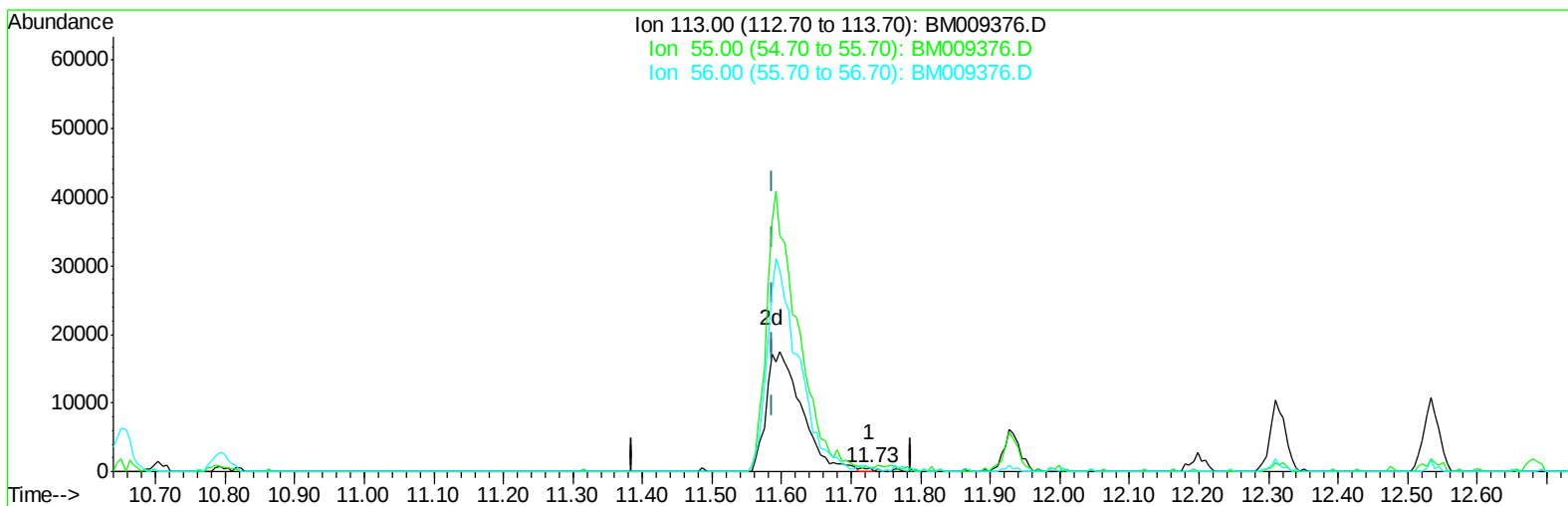


Data Path : Z:\HPCHEM1\BNA\_M\Data\BM032317\  
Data File : BM009376.D  
Acq On : 24 Mar 2017 12:43  
Operator : SJ/MA  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 14:40:06 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 24 04:55:42 2017  
Response via : Initial Calibration



TIC: BM009376.D

(32) Caprolactam

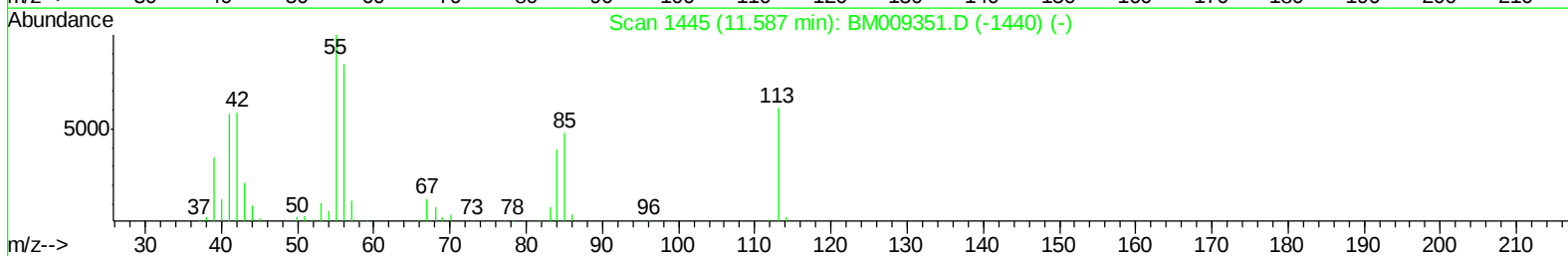
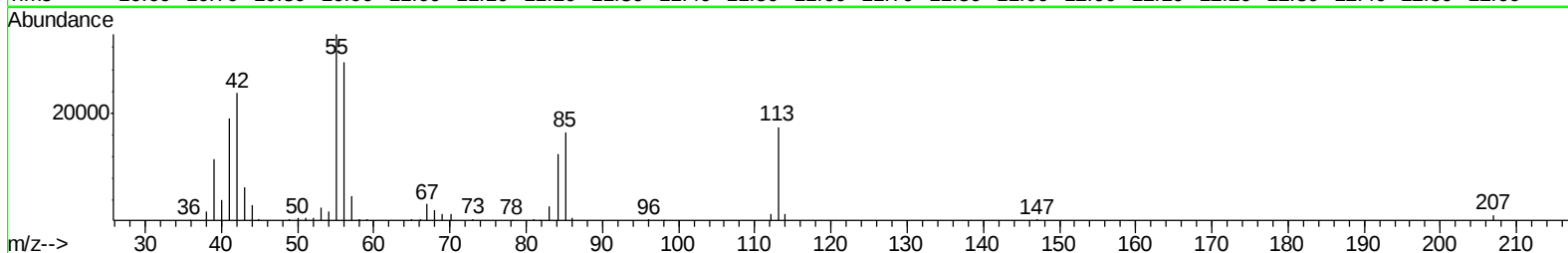
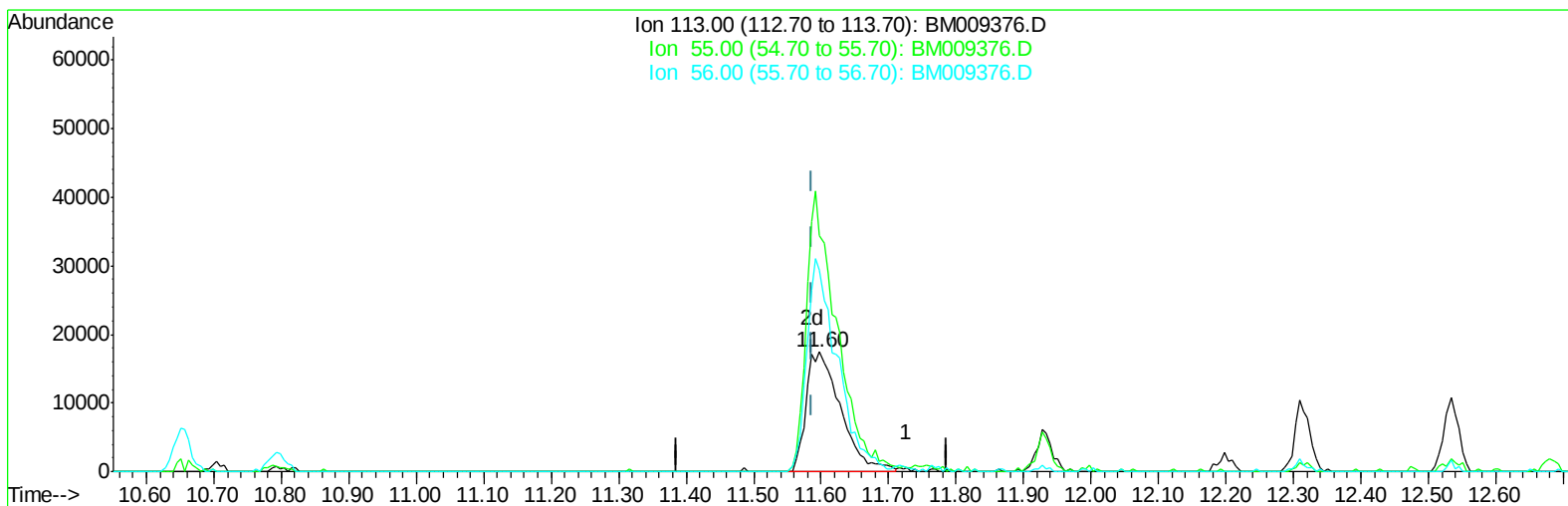
11.727min (+0.141) 0.15ng/ul

response 498

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 127.40 | 115.77 |
| 56.00  | 101.50 | 108.91 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM032317\  
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Operator : SJ/MA  
Sample : SSTDCCC020EC  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 14:40:06 2017  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Mar 24 04:55:42 2017  
Response via : Initial Calibration



TIC: BM009376.D

(32) Caprolactam

11.598min (+0.011) 18.72ng/ul m

response 61888

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 127.40 | 197.98# |
| 56.00  | 101.50 | 168.55# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM032317\  
 Data File : BM009376.D  
 Acq On : 24 Mar 2017 12:43  
 Operator : SJ/MA  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 24 14:41:04 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032317MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 24 04:55:42 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 170347   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.66 | 136  | 682219   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.50 | 164  | 409067   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.24 | 188  | 966889   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.42 | 240  | 1282066  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.75 | 264  | 1201154  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 35089   | 7.85  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.01  | 99  | 305125  | 19.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.19  | 67  | 220339  | 20.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 210952  | 20.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 224221  | 19.50 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.02  | 128 | 104727  | 20.88 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.74  | 143 | 109092  | 20.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.27 | 165 | 224915  | 21.02 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.79 | 131 | 264080  | 21.42 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 643992  | 22.39 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 812615  | 22.52 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 114936  | 21.67 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.49 | 176 | 604904  | 22.92 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 110677  | 18.11 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.34 | 188 | 929846  | 20.16 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.64 | 212 | 1095629 | 20.16 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.60 | 264 | 1127591 | 20.38 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88  | 37563  | 7.52  | ng/uL# | 67     |
| 4) Benzaldehyde                | 7.00  | 77  | 246977 | 22.89 | ng/ul# | 79     |
| 6) Phenol                      | 7.04  | 94  | 324915 | 19.71 | ng/ul# | 75     |
| 8) Bis(2-Chloroethyl)ether     | 7.28  | 93  | 250765 | 19.53 | ng/ul# | 78     |
| 10) 2-Chlorophenol             | 7.42  | 128 | 224177 | 20.31 | ng/ul# | 74     |
| 11) 2-Methylphenol             | 8.29  | 108 | 220997 | 19.38 | ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.39  | 45  | 413292 | 19.84 | ng/ul# | 86     |
| 14) Acetophenone               | 8.68  | 105 | 388837 | 19.83 | ng/ul# | 77     |
| 15) N-Nitroso-di-n-propylamine | 8.66  | 70  | 229815 | 20.31 | ng/ul# | 80     |
| 16) 4-Methylphenol             | 8.62  | 108 | 247867 | 20.02 | ng/ul  | 99     |
| 17) Hexachloroethane           | 8.93  | 117 | 106404 | 19.98 | ng/ul  | 96     |
| 20) Nitrobenzene               | 9.06  | 77  | 342525 | 20.26 | ng/ul# | 84     |
| 21) Isophorone                 | 9.58  | 82  | 566936 | 20.17 | ng/ul# | 92     |
| 23) 2-Nitrophenol              | 9.77  | 139 | 119589 | 20.79 | ng/ul# | 61     |
| 24) 2,4-Dimethylphenol         | 9.82  | 107 | 281615 | 19.82 | ng/ul  | 89     |
| 25) Bis(2-Chloroethoxy)methane | 10.06 | 93  | 332107 | 20.38 | ng/ul# | 98     |
| 27) 2,4-Dichlorophenol         | 10.30 | 162 | 224179 | 20.89 | ng/ul  | 98     |
| 28) Naphthalene                | 10.70 | 128 | 704388 | 20.40 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.82 | 127 | 280937 | 21.63 | ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 10.97 | 225 | 171477 | 20.40 | ng/ul  | 95     |
| 32) Caprolactam                | 11.60 | 113 | 61888m | 18.72 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.93 | 107 | 250185 | 20.76 | ng/ul  | 89     |
| 34) 2-Methylnaphthalene        | 12.32 | 142 | 512322 | 20.58 | ng/ul  | 99     |

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Quant Time: Mar 24 14:41:04 2017  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 24 04:55:42 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.68 | 216  | 310445   | 22.59 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.65 | 237  | 165347   | 19.18 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.92 | 196  | 175929   | 21.86 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.99 | 196  | 193814   | 22.32 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.33 | 154  | 672597   | 22.25 | ng/ul# | 96       |
| 41) 2-Chloronaphthalene        | 13.37 | 162  | 544582   | 23.16 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 195911   | 22.60 | ng/ul# | 67       |
| 44) Dimethylphthalate          | 13.95 | 163  | 657646   | 22.91 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.08 | 165  | 124391   | 22.43 | ng/ul# | 72       |
| 47) Acenaphthylene             | 14.22 | 152  | 824220   | 22.93 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.41 | 138  | 135909   | 23.76 | ng/ul# | 72       |
| 49) Acenaphthene               | 14.56 | 153  | 575098   | 22.78 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.62 | 184  | 73215    | 19.21 | ng/ul# | 74       |
| 52) 4-Nitrophenol              | 14.71 | 109  | 140352   | 22.58 | ng/ul# | 77       |
| 53) Dibenzofuran               | 14.90 | 168  | 829606   | 22.67 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.87 | 165  | 192459   | 23.21 | ng/ul# | 62       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.12 | 232  | 183199   | 23.41 | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.32 | 149  | 678225   | 23.04 | ng/ul  | 98       |
| 58) Fluorene                   | 15.54 | 166  | 686042   | 22.99 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.54 | 204  | 352942   | 22.18 | ng/ul  | 91       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 142530   | 23.46 | ng/ul# | 62       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 122449   | 18.63 | ng/ul# | 83       |
| 64) N-Nitrosodiphenylamine     | 15.76 | 169  | 589402   | 20.20 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.43 | 248  | 219282   | 20.24 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.54 | 284  | 241902   | 19.82 | ng/ul  | 97       |
| 67) Atrazine                   | 16.70 | 200  | 217307   | 19.53 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.89 | 266  | 138108   | 18.69 | ng/ul  | 94       |
| 69) Phenanthrene               | 17.29 | 178  | 1091271  | 20.05 | ng/ul  | 99       |
| 71) Anthracene                 | 17.38 | 178  | 1132638  | 20.32 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.29 | 216  | 283134   | 19.92 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 14.82 | 250  | 274385   | 19.52 | ng/uL  | 97       |
| 74) Carbazole                  | 17.65 | 167  | 1010112  | 20.11 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.20 | 149  | 1133010  | 20.89 | ng/ul# | 99       |
| 76) Fluoranthene               | 19.30 | 202  | 1320359  | 20.07 | ng/ul  | 98       |
| 79) Pyrene                     | 19.67 | 202  | 1395406  | 19.81 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.56 | 149  | 522702   | 20.34 | ng/ul# | 83       |
| 81) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 515405   | 20.95 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.41 | 228  | 1472805  | 20.21 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 760957   | 20.18 | ng/ul# | 99       |
| 84) Chrysene                   | 21.46 | 228  | 1381523  | 20.00 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.22 | 149  | 1332217  | 19.11 | ng/ul# | 86       |
| 87) Benzo(b)fluoranthene       | 23.04 | 252  | 1513939  | 20.87 | ng/ul# | 96       |
| 88) Benzo(k)fluoranthene       | 23.09 | 252  | 1414465  | 20.47 | ng/ul# | 97       |
| 90) Benzo(a)pyrene             | 23.65 | 252  | 1413807  | 20.44 | ng/ul# | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.12 | 276  | 1632838  | 20.73 | ng/ul# | 90       |
| 92) Dibenzo(a,h)anthracene     | 26.13 | 278  | 1384773  | 20.52 | ng/ul# | 94       |
| 93) Benzo(g,h,i)perylene       | 26.85 | 276  | 1340378  | 20.43 | ng/ul# | 90       |

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

