

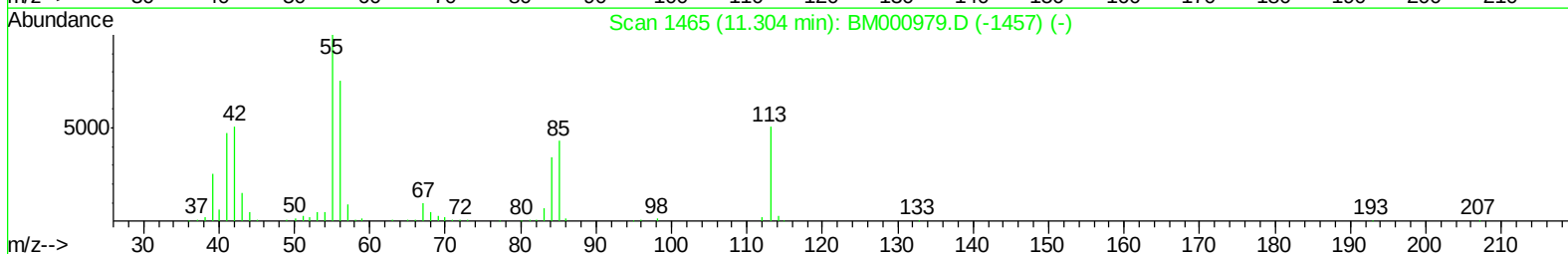
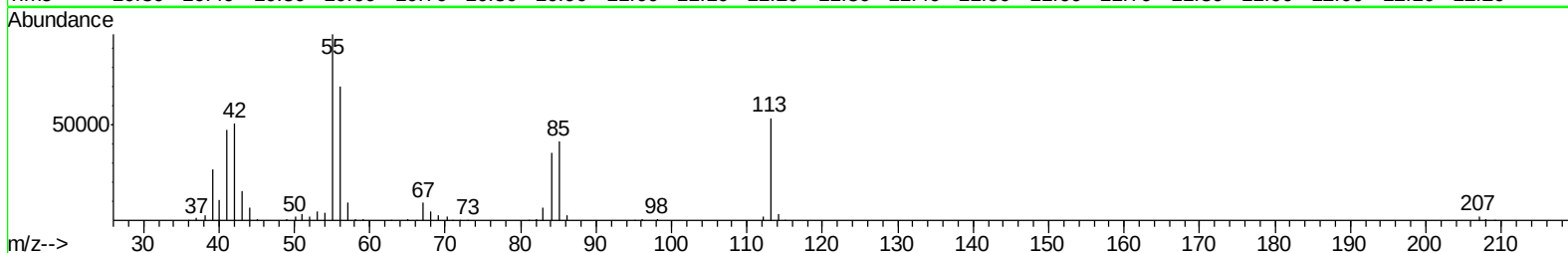
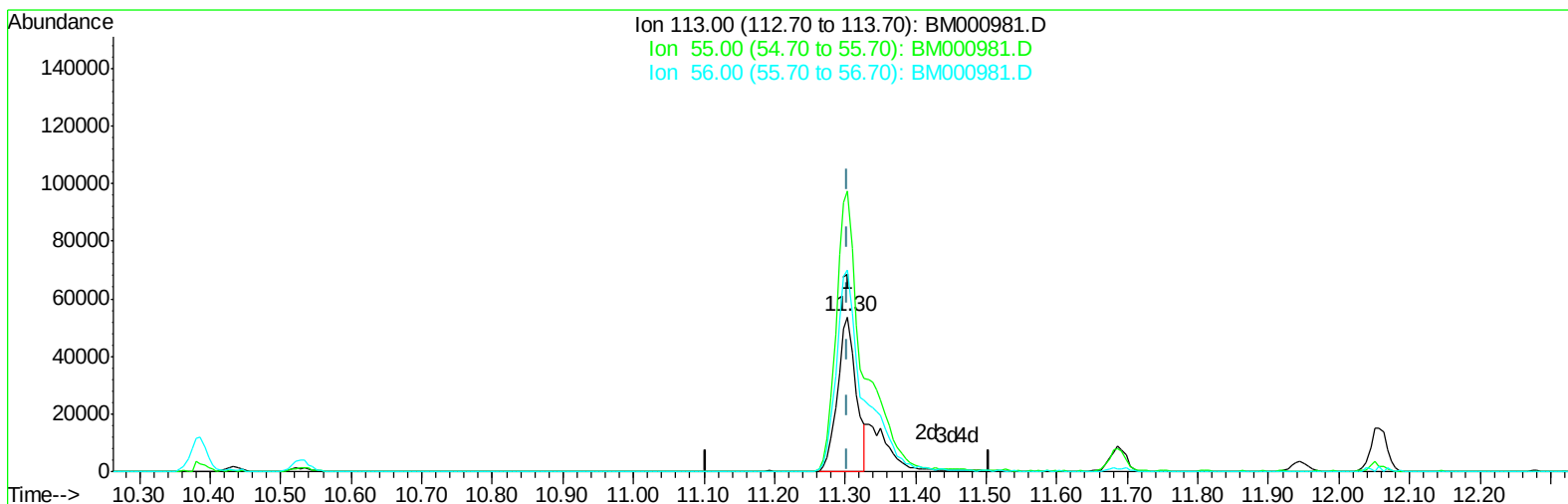
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041415\  
Data File : BM000981.D  
Acq On : 14 Apr 2015 12:01  
Operator : TP/IZ  
Sample : SST02018  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02018

Manual Integrations  
APPROVED

apatel  
4/16/2015 8:52:47 AM

Quant Time: Apr 15 06:04:11 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM041415.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 15 05:54:52 2015  
Response via : Initial Calibration



TIC: BM000981.D

(32) Caprolactam

11.304min (-0.000) 17.74ng/ul

response 99195

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 187.60 | 181.66 |
| 56.00  | 140.20 | 130.69 |
| 0.00   | 0.00   | 0.00   |

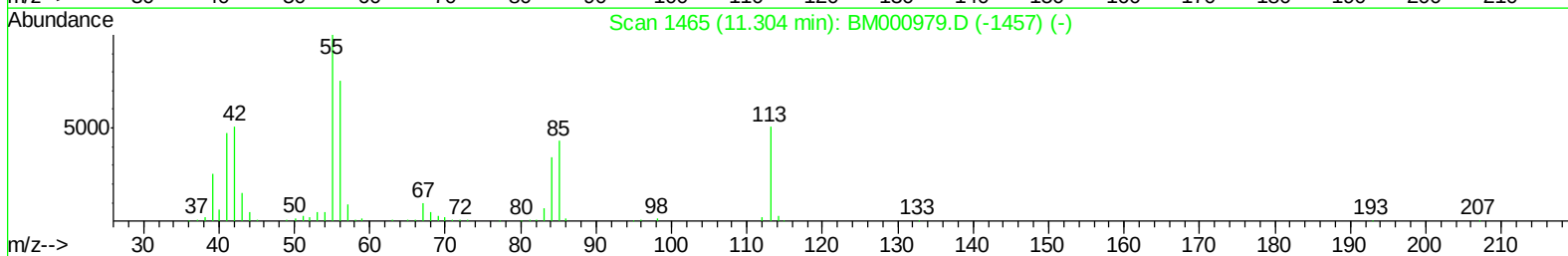
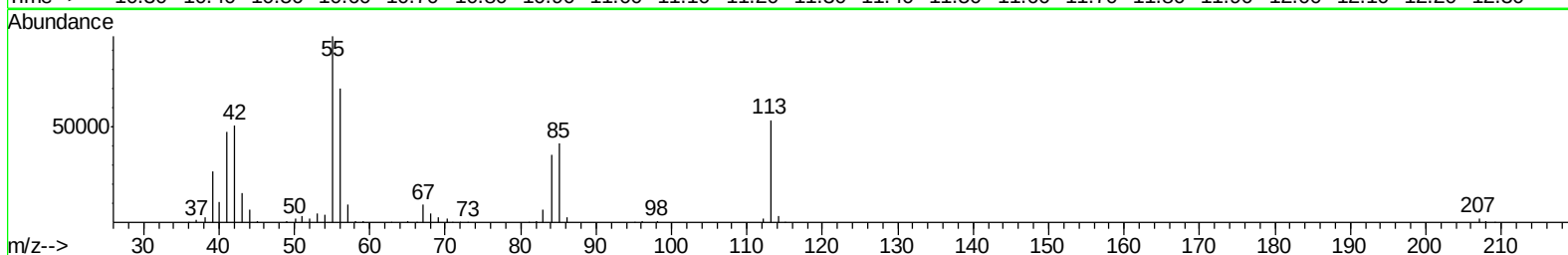
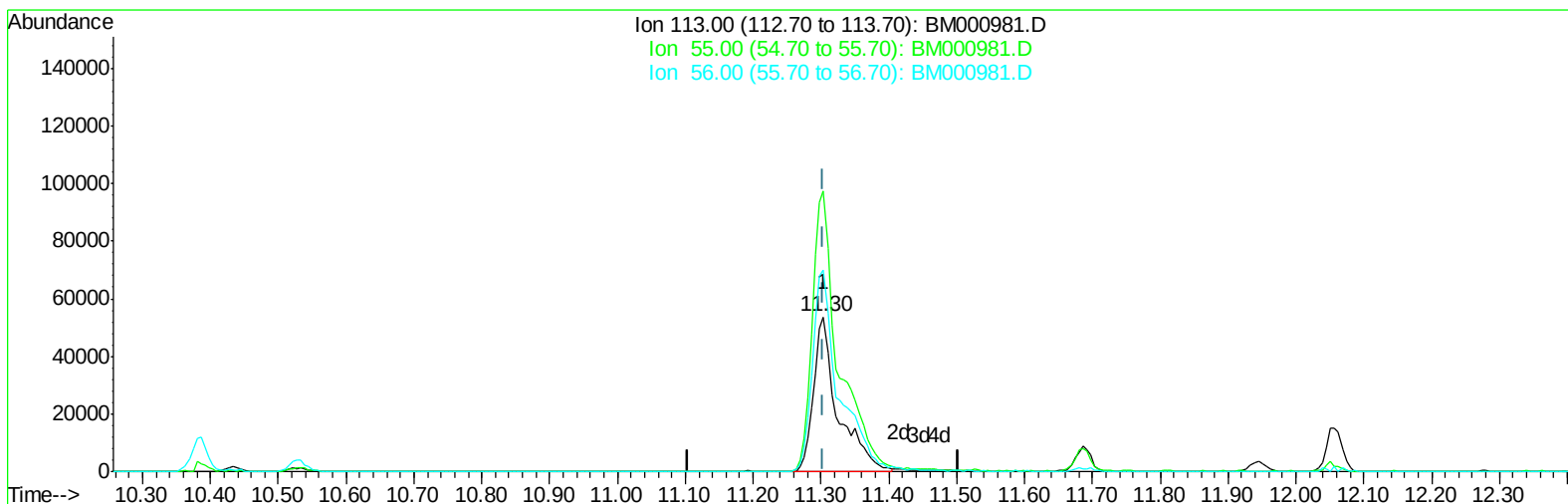
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Response via : Initial Calibration



TIC: BM000981.D

(32) Caprolactam

11.304min (-0.000) 23.89ng/ul m

response 133534

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 187.60 | 181.66 |
| 56.00  | 140.20 | 130.69 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041415\  
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 Operator : TP/IZ  
 Sample : SSTD02018  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02018

Manual Integrations  
 APPROVED

apatel  
 4/16/2015 8:52:47 AM

Quant Time: Apr 15 06:08:20 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM01.2-EPA-BM041415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 15 05:54:52 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 355795   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 1510741  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 836949   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.01 | 188  | 1792735  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 1882149  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.39 | 264  | 1798777  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.07  | 96  | 54700   | 7.36  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 577555  | 21.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 348015  | 20.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 468325  | 21.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 452513  | 21.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.76  | 128 | 216644  | 21.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 240194  | 22.15 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.01 | 165 | 453543  | 20.98 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 591981  | 22.87 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 1128088 | 20.59 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.95 | 160 | 1646674 | 20.76 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.47 | 143 | 221609  | 23.07 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 1107918 | 19.91 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 191385  | 19.98 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.10 | 188 | 1670387 | 20.40 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.41 | 212 | 1768266 | 20.81 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.25 | 264 | 1626788 | 20.67 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |       | Ovalue |
|--------------------------------|-------|-----|---------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.11  | 88  | 64876   | 7.85  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.75  | 77  | 357526  | 24.57 | ng/ul | 99     |
| 6) Phenol                      | 6.81  | 94  | 623024  | 21.40 | ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 485012  | 20.59 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.17  | 128 | 498517  | 20.91 | ng/ul | 99     |
| 11) 2-Methylphenol             | 8.05  | 108 | 468001  | 21.70 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.14  | 45  | 855555  | 20.66 | ng/ul | 98     |
| 14) Acetophenone               | 8.42  | 105 | 744890  | 21.42 | ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.41  | 70  | 367625  | 21.81 | ng/ul | 97     |
| 16) 4-Methylphenol             | 8.38  | 108 | 505930  | 21.36 | ng/ul | 97     |
| 17) Hexachloroethane           | 8.67  | 117 | 198714  | 21.04 | ng/ul | 97     |
| 20) Nitrobenzene               | 8.80  | 77  | 560004  | 21.01 | ng/ul | 99     |
| 21) Isophorone                 | 9.32  | 82  | 975529  | 21.68 | ng/ul | 100    |
| 23) 2-Nitrophenol              | 9.51  | 139 | 273621  | 22.22 | ng/ul | 99     |
| 24) 2,4-Dimethylphenol         | 9.57  | 107 | 536798  | 20.60 | ng/ul | 96     |
| 25) Bis(2-Chloroethoxy)methane | 9.81  | 93  | 624542  | 20.42 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.04 | 162 | 455446  | 20.53 | ng/ul | 97     |
| 28) Naphthalene                | 10.43 | 128 | 1606055 | 20.06 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.55 | 127 | 616050  | 22.28 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 273889  | 19.96 | ng/ul | 97     |
| 32) Caprolactam                | 11.30 | 113 | 133534m | 23.89 | ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.69 | 107 | 483046  | 21.53 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 1119651 | 20.26 | ng/ul | 100    |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 15 05:54:52 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.43 | 216  | 529124   | 20.13 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.42 | 237  | 270147   | 19.84 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.68 | 196  | 331993   | 21.90 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.75 | 196  | 368987   | 21.92 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.09 | 154  | 1408759  | 19.81 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.13 | 162  | 1092971  | 19.96 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.34 | 65   | 317033   | 21.68 | ng/ul  | 98       |
| 44) Dimethylphthalate          | 13.72 | 163  | 1278711  | 20.37 | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 13.84 | 165  | 264162   | 22.13 | ng/ul  | 99       |
| 47) Acenaphthylene             | 13.98 | 152  | 1796404  | 20.37 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.17 | 138  | 290715   | 22.58 | ng/ul  | 99       |
| 49) Acenaphthene               | 14.33 | 153  | 1176826  | 20.19 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.38 | 184  | 122787   | 20.92 | ng/ul  | 96       |
| 52) 4-Nitrophenol              | 14.49 | 109  | 167794   | 22.25 | ng/ul  | 95       |
| 53) Dibenzofuran               | 14.66 | 168  | 1631586  | 19.89 | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 14.63 | 165  | 388505   | 22.34 | ng/ul  | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.89 | 232  | 293098   | 22.13 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.09 | 149  | 1310846  | 20.87 | ng/ul  | 100      |
| 58) Fluorene                   | 15.31 | 166  | 1359748  | 20.15 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.31 | 204  | 633767   | 19.89 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.34 | 138  | 297517   | 23.36 | ng/ul  | 97       |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 198  | 210683   | 19.88 | ng/ul# | 99       |
| 64) N-Nitrosodiphenylamine     | 15.53 | 169  | 1131929  | 20.55 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.20 | 248  | 359280   | 20.36 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.32 | 284  | 401093   | 20.48 | ng/ul  | 99       |
| 67) Atrazine                   | 16.48 | 200  | 376091   | 21.89 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.66 | 266  | 227390   | 22.91 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.05 | 178  | 2069579  | 20.01 | ng/ul  | 100      |
| 71) Anthracene                 | 17.14 | 178  | 2142070  | 20.24 | ng/ul  | 99       |
| 72) Carbazole                  | 17.42 | 167  | 1927263  | 20.67 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 17.98 | 149  | 2217502  | 21.99 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.07 | 202  | 2335755  | 20.44 | ng/ul  | 98       |
| 77) Pyrene                     | 19.44 | 202  | 2462862  | 20.51 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.34 | 149  | 1000568  | 23.54 | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 675447   | 23.15 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.19 | 228  | 2303331  | 20.58 | ng/ul  | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.13 | 149  | 1505547  | 23.71 | ng/ul  | 99       |
| 82) Chrysene                   | 21.24 | 228  | 2159991  | 20.10 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 21.99 | 149  | 2536146  | 23.07 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.73 | 252  | 2237497  | 20.16 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.78 | 252  | 2116513  | 20.19 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.29 | 252  | 2130011  | 20.21 | ng/ul  | 98       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.57 | 276  | 2369643  | 20.77 | ng/ul  | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.58 | 278  | 1986047  | 20.78 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.24 | 276  | 2003456  | 20.45 | ng/ul  | 99       |

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

