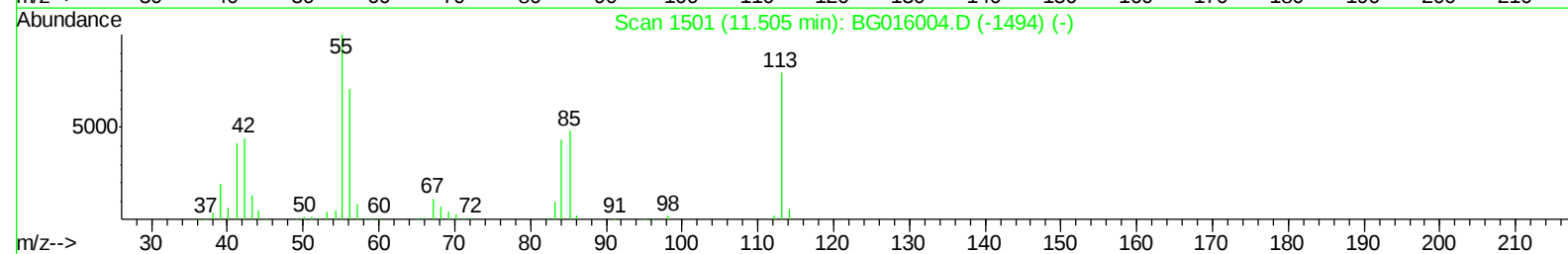
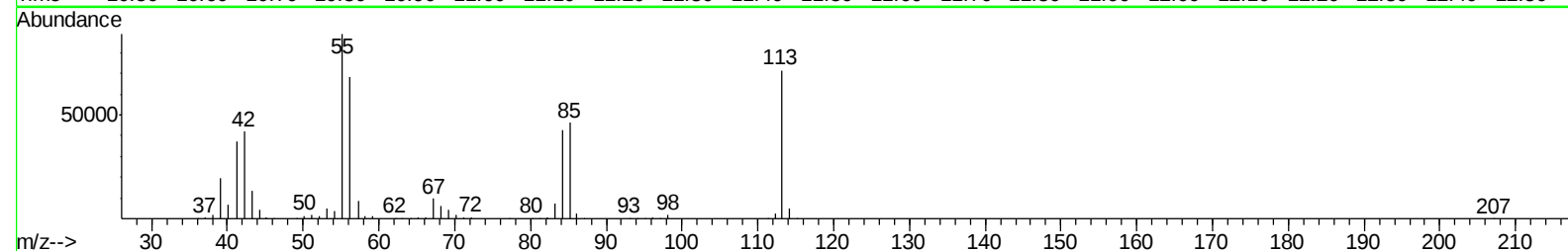
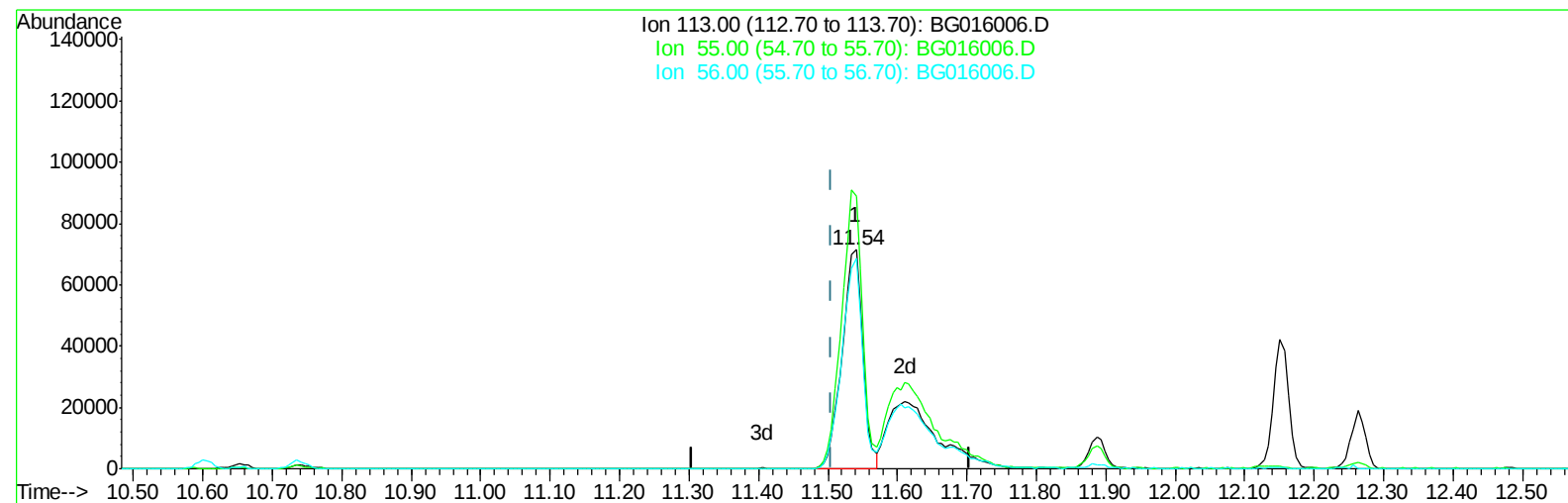


Data Path : Z:\HPCHEM1\BNA\_G\Data\BG021915\  
Data File : BG016006.D  
Acq On : 19 Feb 2015 17:40  
Operator : TP/IZ  
Sample : SSTD08010  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 04:53:15 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 20 04:39:59 2015  
Response via : Initial Calibration



TIC: BG016006.D

(30) Caprolactam

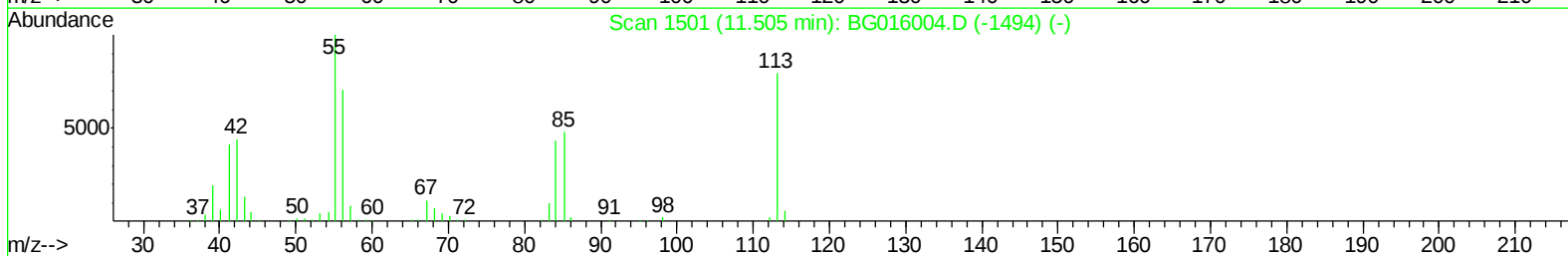
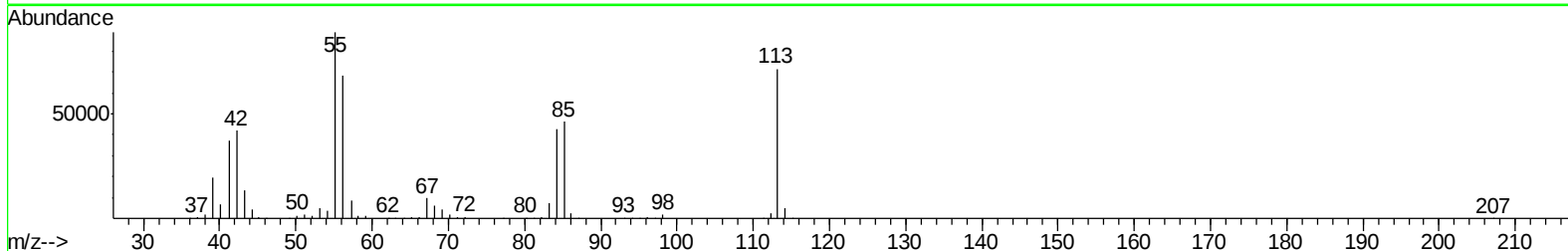
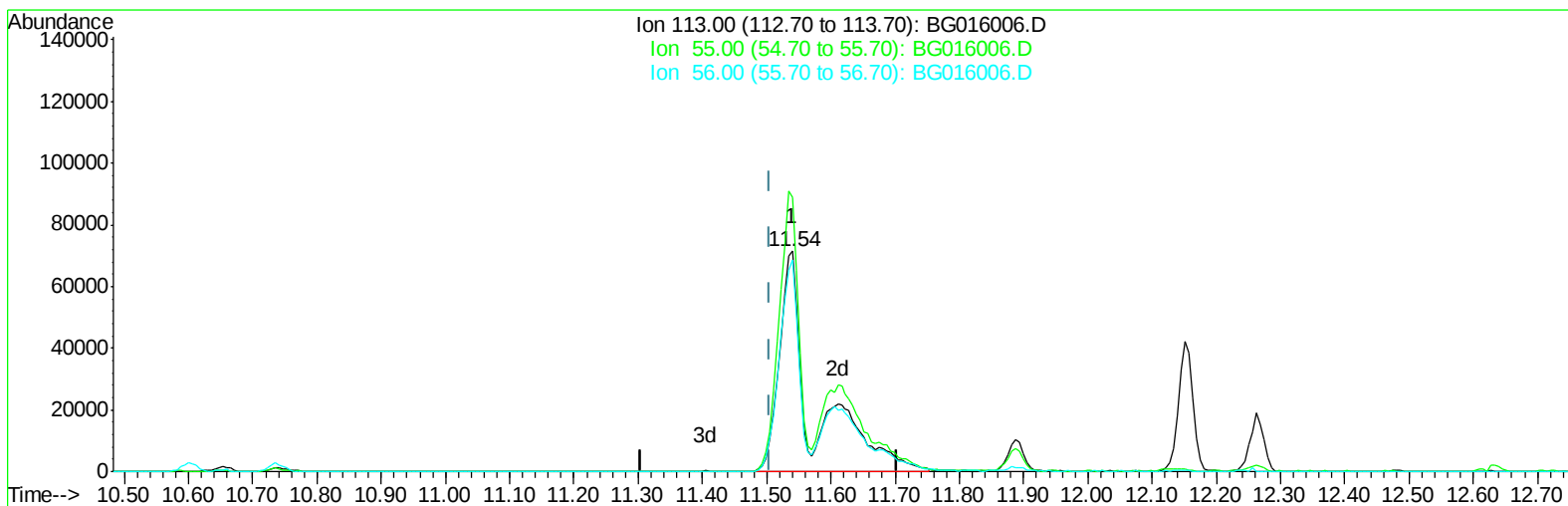
11.540min (+0.035) 47.35ng/ul

response 147999

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 126.80 | 124.42 |
| 56.00  | 88.80  | 95.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG021915\  
Data File : BG016006.D  
Acq On : 19 Feb 2015 17:40  
Operator : TP/IZ  
Sample : SST08010  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 04:53:15 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 20 04:39:59 2015  
Response via : Initial Calibration



TIC: BG016006.D

(30) Caprolactam

11.540min (+0.035) 82.39ng/ul m

response 257518

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 126.80 | 124.42 |
| 56.00  | 88.80  | 95.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG021915\  
 Data File : BG016006.D  
 Acq On : 19 Feb 2015 17:40  
 Operator : TP/IZ  
 Sample : SSTD08010  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 05:09:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 20 04:39:59 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 100346   | 20.00 | ng/ul | 0.00     |
| 16) Naphthalene-d8        | 10.61 | 136  | 454836   | 20.00 | ng/ul | 0.00     |
| 33) Acenaphthene-d10      | 14.44 | 164  | 265059   | 20.00 | ng/ul | 0.00     |
| 59) Phenanthrene-d10      | 17.18 | 188  | 549678   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 575528   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.67 | 264  | 558754   | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) Phenol-d5                   | 6.98  | 99  | 771107  | 80.42  | ng/ul | 0.00 |
| 5) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 426711  | 79.02  | ng/ul | 0.00 |
| 7) 2-Chlorophenol-d4           | 7.35  | 132 | 594191  | 92.27  | ng/ul | 0.00 |
| 11) 4-Methylphenol-d8          | 8.52  | 113 | 578452  | 83.89  | ng/ul | 0.01 |
| 17) Nitrobenzene-d5            | 8.97  | 128 | 283454  | 79.39  | ng/ul | 0.00 |
| 20) 2-Nitrophenol-d4           | 9.69  | 143 | 276373  | 75.00  | ng/ul | 0.00 |
| 24) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 529635  | 73.45  | ng/ul | 0.00 |
| 27) 4-Chloroaniline-d4         | 10.74 | 131 | 553125  | 70.05  | ng/ul | 0.00 |
| 41) Dimethylphthalate-d6       | 13.85 | 166 | 1312695 | 73.58  | ng/ul | 0.00 |
| 44) Acenaphthylene-d8          | 14.14 | 160 | 1766810 | 78.07  | ng/ul | 0.00 |
| 49) 4-Nitrophenol-d4           | 14.64 | 143 | 342582  | 101.49 | ng/ul | 0.02 |
| 55) Fluorene-d10               | 15.43 | 176 | 1262228 | 70.69  | ng/ul | 0.00 |
| 60) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 225272  | 78.67  | ng/ul | 0.01 |
| 68) Anthracene-d10             | 17.28 | 188 | 1792091 | 70.53  | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 1874458 | 78.35  | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.52 | 264 | 1903470 | 75.60  | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        |       | Qvalue |
|--------------------------------|-------|-----|---------|--------|-------|--------|
| 2) Benzaldehyde                | 6.96  | 77  | 434634  | 70.25  | ng/ul | 99     |
| 4) Phenol                      | 7.01  | 94  | 793519  | 78.51  | ng/ul | 97     |
| 6) Bis(2-Chloroethyl)ether     | 7.25  | 93  | 593010  | 79.49  | ng/ul | 99     |
| 8) 2-Chlorophenol              | 7.38  | 128 | 578585  | 91.26  | ng/ul | 96     |
| 9) 2-Methylphenol              | 8.25  | 108 | 582770  | 82.20  | ng/ul | 99     |
| 10) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 741709  | 117.12 | ng/ul | 97     |
| 12) Acetophenone               | 8.64  | 105 | 803944  | 71.13  | ng/ul | 98     |
| 13) N-Nitroso-di-n-propylamine | 8.63  | 70  | 468773  | 75.02  | ng/ul | 100    |
| 14) 4-Methylphenol             | 8.59  | 108 | 637803  | 80.54  | ng/ul | 99     |
| 15) Hexachloroethane           | 8.89  | 117 | 217692  | 68.94  | ng/ul | 99     |
| 18) Nitrobenzene               | 9.01  | 77  | 628010  | 57.09  | ng/ul | 99     |
| 19) Isophorone                 | 9.54  | 82  | 1230166 | 64.10  | ng/ul | 99     |
| 21) 2-Nitrophenol              | 9.72  | 139 | 306063  | 75.88  | ng/ul | 96     |
| 22) 2,4-Dimethylphenol         | 9.78  | 107 | 633594  | 60.72  | ng/ul | 97     |
| 23) Bis(2-Chloroethoxy)methane | 10.02 | 93  | 753477  | 69.50  | ng/ul | 96     |
| 25) 2,4-Dichlorophenol         | 10.25 | 162 | 505628  | 68.34  | ng/ul | 98     |
| 26) Naphthalene                | 10.65 | 128 | 1666587 | 70.98  | ng/ul | 95     |
| 28) 4-Chloroaniline            | 10.76 | 127 | 529699  | 65.31  | ng/ul | 99     |
| 29) Hexachlorobutadiene        | 10.94 | 225 | 260822  | 40.63  | ng/ul | 99     |
| 30) Caprolactam                | 11.54 | 113 | 257518m | 82.39  | ng/ul |        |
| 31) 4-Chloro-3-methylphenol    | 11.89 | 107 | 579002  | 59.97  | ng/ul | 96     |
| 32) 2-Methylnaphthalene        | 12.26 | 142 | 1207747 | 71.36  | ng/ul | 96     |
| 34) 1,2,4,5-Tetrachlorobenzene | 12.63 | 216 | 526801  | 61.02  | ng/ul | 99     |
| 35) Hexachlorocyclopentadiene  | 12.62 | 237 | 290105  | 61.75  | ng/ul | 99     |

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG021915\  
 Data File : BG016006.D  
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 Sample : SSTD08010  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 20 05:09:40 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Feb 20 04:39:59 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 36) 2,4,6-Trichlorophenol      | 12.87 | 196  | 359010   | 68.88 | ng/ul  | 98       |
| 37) 2,4,5-Trichlorophenol      | 12.94 | 196  | 390267   | 67.07 | ng/ul  | 99       |
| 38) 1,1'-Biphenyl              | 13.28 | 154  | 1435899  | 76.86 | ng/ul  | 92       |
| 39) 2-Chloronaphthalene        | 13.32 | 162  | 1113172  | 77.31 | ng/ul  | 95       |
| 40) 2-Nitroaniline             | 13.53 | 65   | 362608   | 71.47 | ng/ul  | 95       |
| 42) Dimethylphthalate          | 13.90 | 163  | 1344081  | 72.43 | ng/ul  | 98       |
| 43) 2,6-Dinitrotoluene         | 14.03 | 165  | 306667   | 79.08 | ng/ul  | 97       |
| 45) Acenaphthylene             | 14.17 | 152  | 1806715  | 73.87 | ng/ul# | 91       |
| 46) 3-Nitroaniline             | 14.35 | 138  | 306397   | 82.99 | ng/ul  | 90       |
| 47) Acenaphthene               | 14.51 | 153  | 1256664  | 78.85 | ng/ul  | 97       |
| 48) 2,4-Dinitrophenol          | 14.55 | 184  | 137737   | 70.61 | ng/ul  | 96       |
| 50) 4-Nitrophenol              | 14.65 | 109  | 185862   | 43.90 | ng/ul  | 97       |
| 51) Dibenzofuran               | 14.84 | 168  | 1615990  | 69.38 | ng/ul  | 90       |
| 52) 2,4-Dinitrotoluene         | 14.81 | 165  | 434268   | 77.21 | ng/ul  | 90       |
| 53) 2,3,4,6-Tetrachlorophenol  | 15.06 | 232  | 336734   | 57.84 | ng/ul  | 97       |
| 54) Diethylphthalate           | 15.27 | 149  | 1388031  | 70.61 | ng/ul  | 97       |
| 56) Fluorene                   | 15.49 | 166  | 1422878  | 74.88 | ng/ul  | 99       |
| 57) 4-Chlorophenyl-phenylether | 15.48 | 204  | 676701   | 59.36 | ng/ul  | 96       |
| 58) 4-Nitroaniline             | 15.52 | 138  | 415787   | 90.58 | ng/ul  | 98       |
| 61) 4,6-Dinitro-2-methylphenol | 15.57 | 198  | 238441   | 79.08 | ng/ul  | 98       |
| 62) N-Nitrosodiphenylamine     | 15.70 | 169  | 1235472  | 78.41 | ng/ul  | 96       |
| 63) 4-Bromophenyl-phenylether  | 16.37 | 248  | 422670   | 62.78 | ng/ul  | 95       |
| 64) Hexachlorobenzene          | 16.49 | 284  | 479770   | 66.60 | ng/ul  | 99       |
| 65) Atrazine                   | 16.65 | 200  | 452487   | 72.44 | ng/ul  | 98       |
| 66) Pentachlorophenol          | 16.83 | 266  | 282158   | 74.61 | ng/ul  | 95       |
| 67) Phenanthrene               | 17.23 | 178  | 1992188  | 70.51 | ng/ul# | 90       |
| 69) Anthracene                 | 17.32 | 178  | 2009595  | 69.40 | ng/ul# | 90       |
| 70) 1,2,3,4-Tetrachlorobenzene | 13.24 | 216  | 522892   | 68.80 | ng/ul  | 99       |
| 71) Pentachlorobenzene         | 14.76 | 250  | 510296   | 64.64 | ng/ul  | 97       |
| 72) Carbazole                  | 17.59 | 167  | 1979603  | 74.21 | ng/ul# | 89       |
| 73) Di-n-butylphthalate        | 18.15 | 149  | 2193377  | 71.80 | ng/ul# | 90       |
| 74) Fluoranthene               | 19.24 | 202  | 2157182  | 59.09 | ng/ul# | 86       |
| 77) Pyrene                     | 19.61 | 202  | 2196351  | 69.53 | ng/ul# | 90       |
| 78) Butylbenzylphthalate       | 20.50 | 149  | 1146588  | 94.72 | ng/ul  | 92       |
| 79) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 660701   | 66.69 | ng/ul  | 97       |
| 80) Benzo(a)anthracene         | 21.34 | 228  | 2072270  | 64.18 | ng/ul# | 86       |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 1463739  | 89.88 | ng/ul# | 87       |
| 82) Chrysene                   | 21.40 | 228  | 1956191  | 64.26 | ng/ul# | 86       |
| 84) Di-n-octyl phthalate       | 22.17 | 149  | 2334177  | 85.00 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.97 | 252  | 2246920  | 67.70 | ng/ul  | 92       |
| 86) Benzo(k)fluoranthene       | 23.01 | 252  | 2116302  | 66.83 | ng/ul# | 90       |
| 88) Benzo(a)pyrene             | 23.57 | 252  | 2201064  | 69.46 | ng/ul  | 93       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.04 | 276  | 2738242  | 77.36 | ng/ul  | 95       |
| 90) Dibenzo(a,h)anthracene     | 26.05 | 278  | 2276072  | 74.44 | ng/ul  | 93       |
| 91) Benzo(g,h,i)perylene       | 26.77 | 276  | 2302696  | 78.65 | ng/ul  | 98       |
| -----                          |       |      |          |       |        |          |

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

```
Data Path : Z:\HPCHEM1\BNA_G\Data\BG021915\  
Data File : BG016006.D  
Acq On    : 19 Feb 2015   17:40  
Operator  : TP/IZ  
Sample    : SSTD08010  
Misc      :  
ALS Vial  : 6      Sample Multiplier: 1
```

Quant Time: Feb 20 05:09:40 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM01.2-EPA-MA-BG021915.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Feb 20 04:39:59 2015  
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