

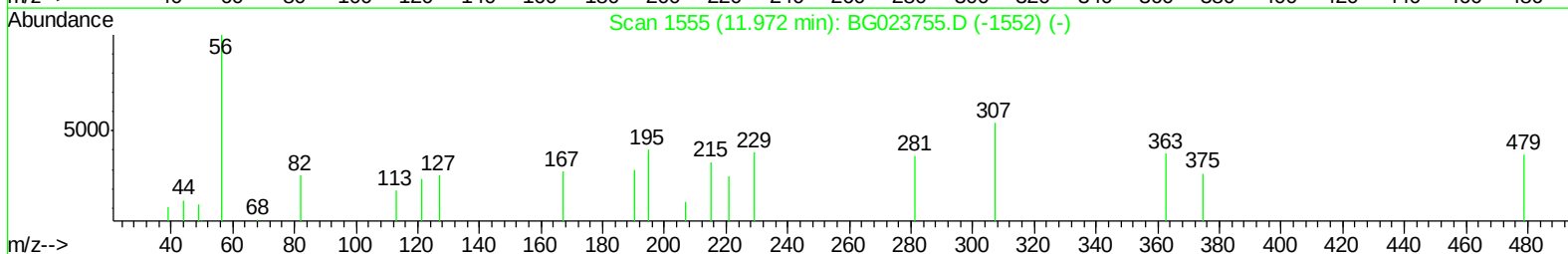
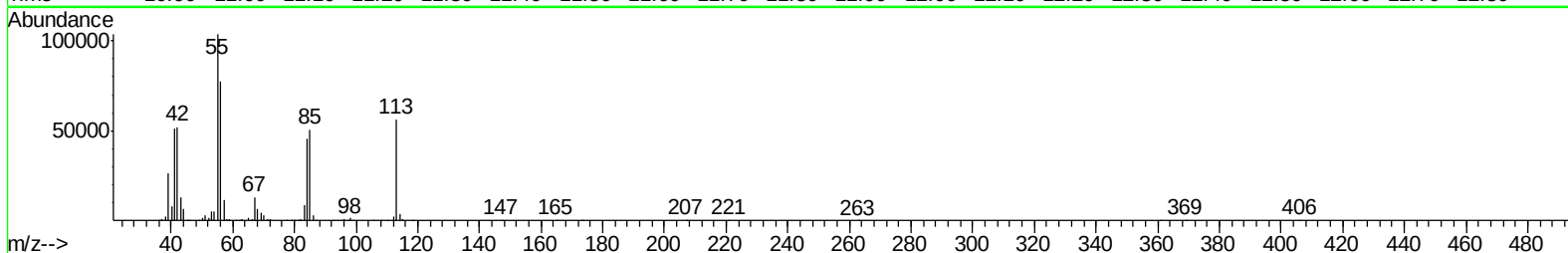
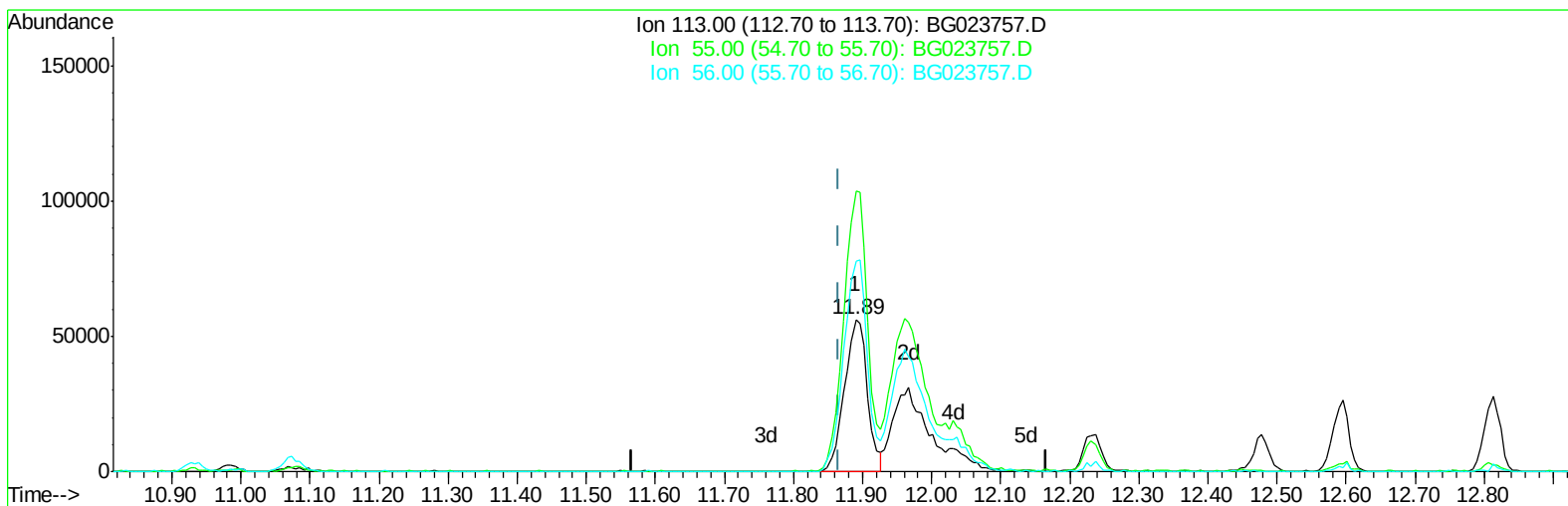
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023757.D  
Acq On : 18 Aug 2016 13:30  
Operator : UM/SJ  
Sample : SSTD08010  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD08010

Manual Integrations  
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8/19/2016 6:35:38 PM

Quant Time: Aug 18 14:10:26 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 18 13:11:51 2016  
Response via : Initial Calibration



TIC: BG023757.D

(32) Caprolactam

11.890min (+0.024) 37.46ng/ul

response 128714

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 124.50 | 184.23# |
| 56.00  | 83.00  | 138.17# |
| 0.00   | 0.00   | 0.00    |

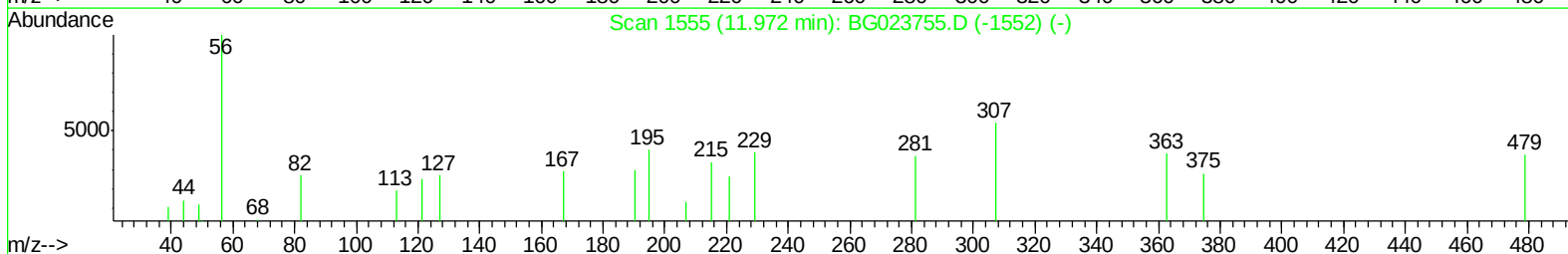
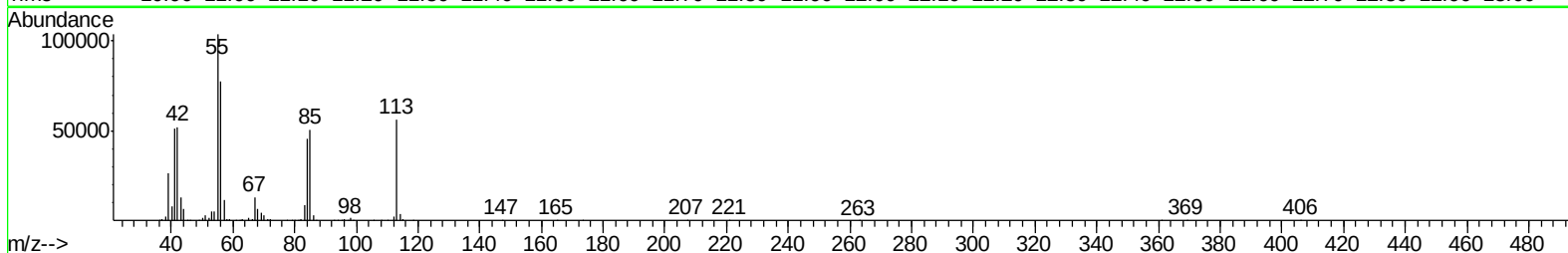
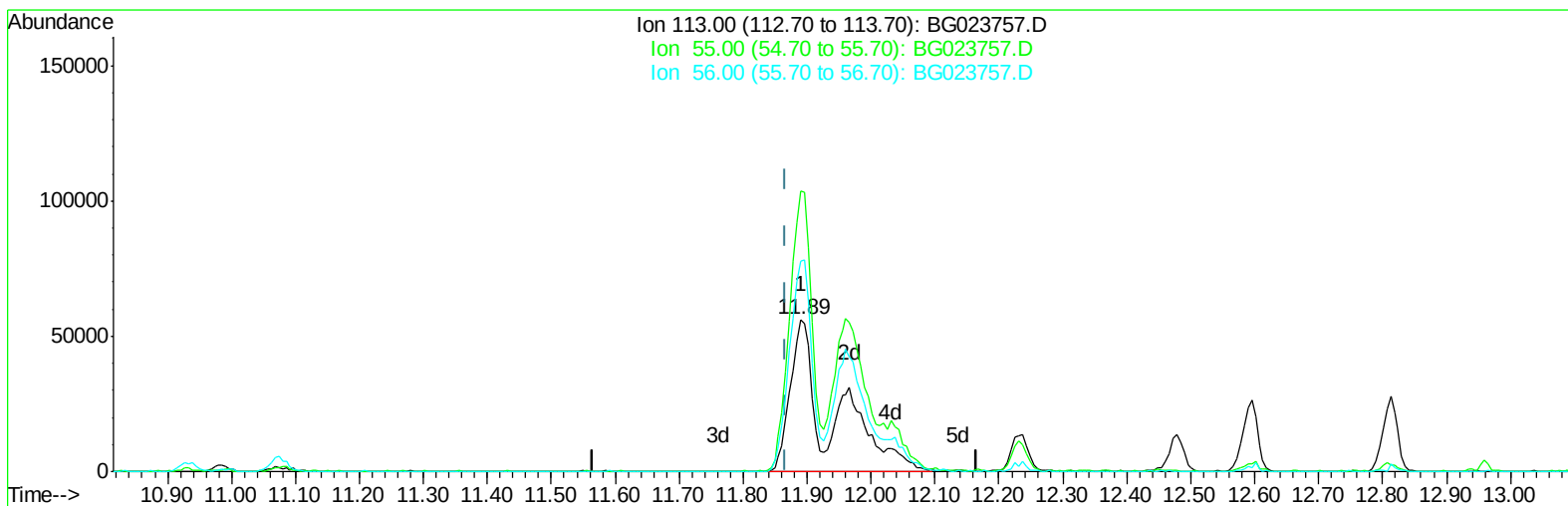
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023757.D  
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Operator : UM/SJ  
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Manual Integrations  
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8/19/2016 6:35:38 PM

Quant Time: Aug 18 14:10:26 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 18 13:11:51 2016  
Response via : Initial Calibration



TIC: BG023757.D

(32) Caprolactam

11.890min (+0.024) 72.55ng/ul m

response 249242

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 124.50 | 184.23# |
| 56.00  | 83.00  | 138.17# |
| 0.00   | 0.00   | 0.00    |

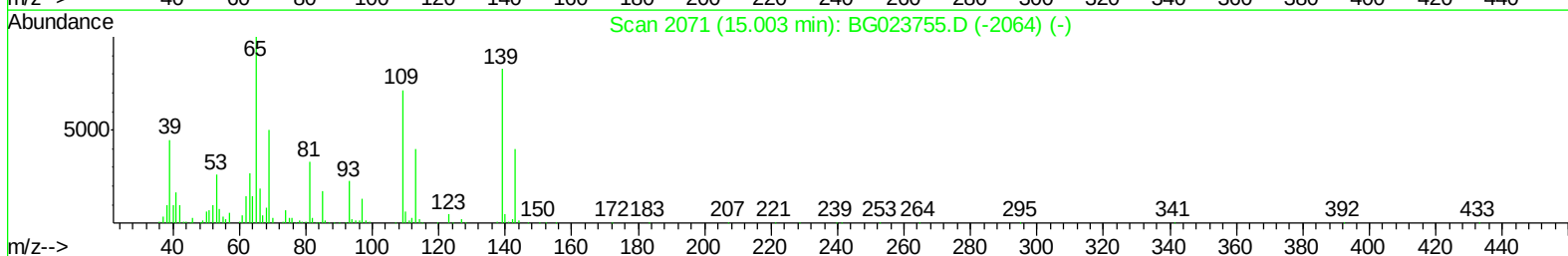
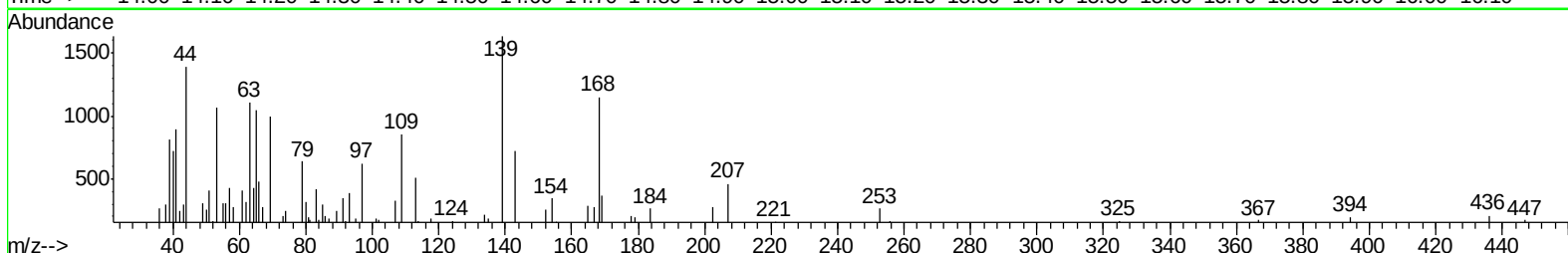
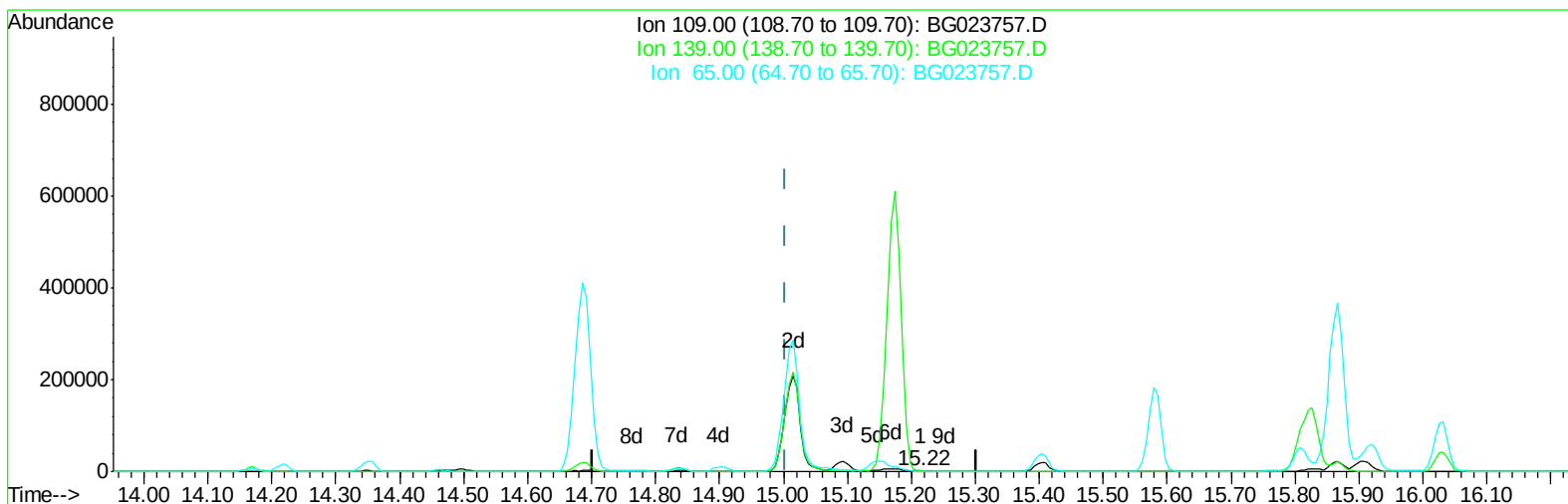
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023757.D  
Acq On : 18 Aug 2016 13:30  
Operator : UM/SJ  
Sample : SSTD08010  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD08010

Manual Integrations  
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Quant Time: Aug 18 14:10:26 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 18 13:11:51 2016  
Response via : Initial Calibration



TIC: BG023757.D

(52) 4-Nitrophenol

15.215min (+0.212) 0.15ng/ul

response 671

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 109.00 | 100    | 100    |
| 139.00 | 170.10 | 190.78 |
| 65.00  | 132.50 | 121.70 |
| 0.00   | 0.00   | 0.00   |

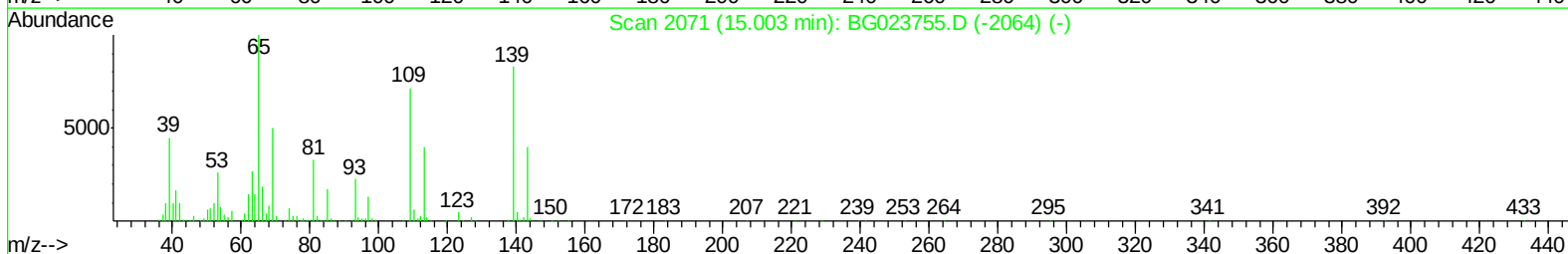
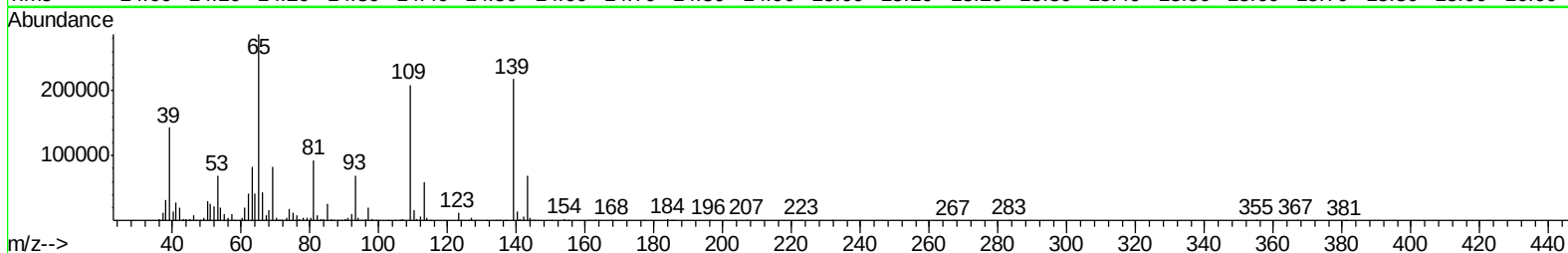
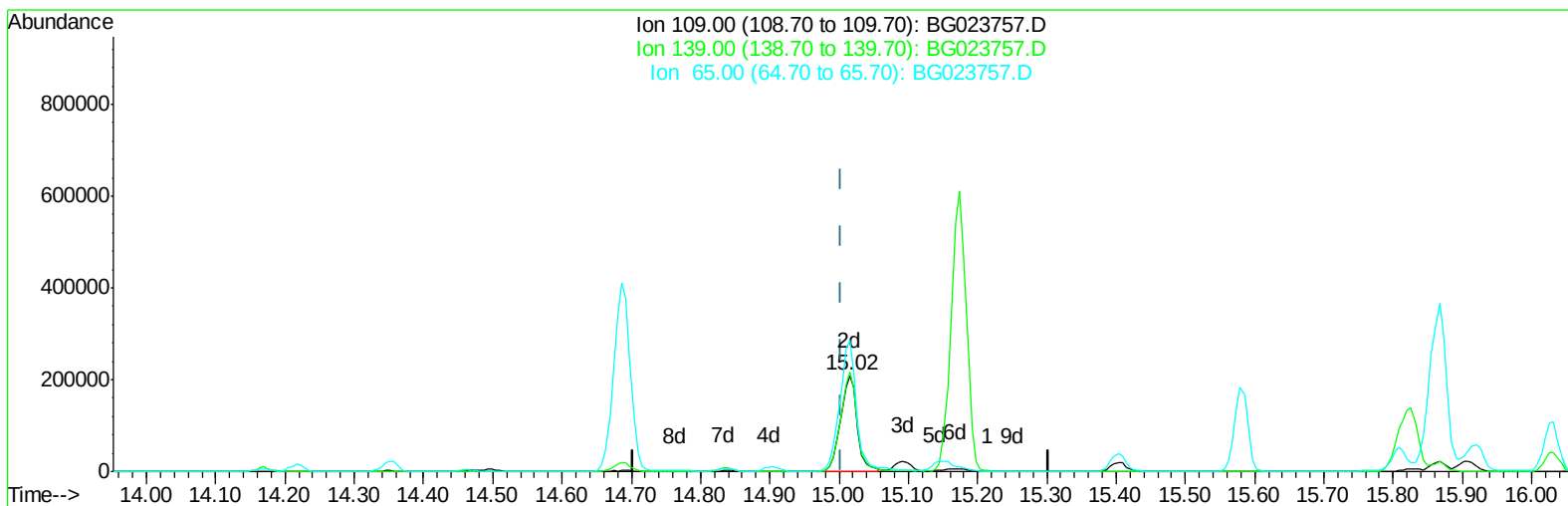
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081816\  
Data File : BG023757.D  
Acq On : 18 Aug 2016 13:30  
Operator : UM/SJ  
Sample : SST08010  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SSTD08010

Manual Integrations  
APPROVED

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Quant Time: Aug 18 14:10:26 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 18 13:11:51 2016  
Response via : Initial Calibration



TIC: BG023757.D

(52) 4-Nitrophenol

15.015min (+0.012) 78.54ng/ul m

response 349333

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 109.00 | 100    | 100     |
| 139.00 | 170.10 | 104.19# |
| 65.00  | 132.50 | 137.16  |
| 0.00   | 0.00   | 0.00    |

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 Operator : UM/SJ  
 Sample : SSTD08010  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTD08010

Manual Integrations  
 APPROVED

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Quant Time: Aug 18 14:12:08 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 18 13:11:51 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 107936   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 480414   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.77 | 164  | 317704   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.54 | 188  | 731451   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 757980   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.23 | 264  | 738679   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.46  | 96  | 75844   | 29.87 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.26  | 99  | 818003  | 75.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.41  | 67  | 541285  | 77.70 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.63  | 132 | 579748  | 78.16 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.82  | 113 | 641362  | 75.56 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.28  | 128 | 307533  | 81.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.01 | 143 | 366665  | 84.31 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.56 | 165 | 638947  | 77.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.07 | 131 | 777049  | 80.74 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.17 | 166 | 1869290 | 71.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.46 | 160 | 2124697 | 72.57 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.00 | 143 | 351923  | 79.25 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 1671129 | 69.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 400589  | 85.36 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.64 | 188 | 2348875 | 71.28 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.93 | 212 | 2563291 | 66.81 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.00 | 264 | 2595098 | 77.61 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 80226   | 30.12 | ng/uL# | 73     |
| 4) Benzaldehyde                | 7.23  | 77  | 525738  | 79.33 | ng/ul  | 83     |
| 6) Phenol                      | 7.28  | 94  | 839486  | 74.14 | ng/ul# | 67     |
| 8) Bis(2-Chloroethyl)ether     | 7.51  | 93  | 625845  | 76.14 | ng/ul# | 85     |
| 10) 2-Chlorophenol             | 7.66  | 128 | 580383  | 76.82 | ng/ul# | 83     |
| 11) 2-Methylphenol             | 8.55  | 108 | 634071  | 74.36 | ng/ul  | 93     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.63  | 45  | 889271  | 79.06 | ng/ul  | 99     |
| 14) Acetophenone               | 8.94  | 105 | 1015710 | 74.60 | ng/ul# | 78     |
| 15) N-Nitroso-di-n-propylamine | 8.92  | 70  | 636931  | 77.76 | ng/ul# | 83     |
| 16) 4-Methylphenol             | 8.89  | 108 | 691328  | 72.33 | ng/ul  | 99     |
| 17) Hexachloroethane           | 9.19  | 117 | 257281  | 78.92 | ng/ul# | 81     |
| 20) Nitrobenzene               | 9.32  | 77  | 885983  | 79.82 | ng/ul# | 86     |
| 21) Isophorone                 | 9.85  | 82  | 1599956 | 78.37 | ng/ul# | 94     |
| 23) 2-Nitrophenol              | 10.04 | 139 | 369602  | 78.71 | ng/ul# | 52     |
| 24) 2,4-Dimethylphenol         | 10.10 | 107 | 811906  | 78.81 | ng/ul  | 91     |
| 25) Bis(2-Chloroethoxy)methane | 10.33 | 93  | 912153  | 77.45 | ng/ul  | 98     |
| 27) 2,4-Dichlorophenol         | 10.59 | 162 | 636221  | 76.90 | ng/ul  | 97     |
| 28) Naphthalene                | 10.99 | 128 | 1791712 | 73.46 | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 11.10 | 127 | 769994  | 80.61 | ng/ul  | 99     |
| 31) Hexachlorobutadiene        | 11.26 | 225 | 443836  | 80.56 | ng/ul  | 95     |
| 32) Caprolactam                | 11.89 | 113 | 249242m | 72.55 | ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 12.23 | 107 | 783971  | 73.63 | ng/ul  | 84     |
| 34) 2-Methylnaphthalene        | 12.60 | 142 | 1409190 | 71.26 | ng/ul  | 97     |

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 Misc :  
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 ClientSampleId :  
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Manual Integrations  
 APPROVED

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 8/19/2016 6:35:38 PM

Quant Time: Aug 18 14:12:08 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG081816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 18 13:11:51 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216  | 806459   | 82.68 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.93 | 237  | 433248   | 80.31 | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 13.21 | 196  | 550352   | 81.46 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 13.29 | 196  | 558792   | 77.16 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.60 | 154  | 1761522  | 75.45 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.65 | 162  | 1409716  | 77.65 | ng/ul  | 92       |
| 42) 2-Nitroaniline             | 13.86 | 65   | 621386   | 83.83 | ng/ul# | 64       |
| 44) Dimethylphthalate          | 14.22 | 163  | 1822829  | 70.77 | ng/ul  | 97       |
| 45) 2,6-Dinitrotoluene         | 14.35 | 165  | 444472   | 79.59 | ng/ul# | 82       |
| 47) Acenaphthylene             | 14.50 | 152  | 2165186  | 70.71 | ng/ul  | 93       |
| 48) 3-Nitroaniline             | 14.69 | 138  | 424437   | 80.84 | ng/ul# | 62       |
| 49) Acenaphthene               | 14.84 | 153  | 1525452  | 73.12 | ng/ul  | 95       |
| 50) 2,4-Dinitrophenol          | 14.90 | 184  | 276711   | 80.30 | ng/ul# | 77       |
| 52) 4-Nitrophenol              | 15.02 | 109  | 349333m  | 78.54 | ng/ul  |          |
| 53) Dibenzofuran               | 15.17 | 168  | 2094029  | 67.74 | ng/ul# | 76       |
| 54) 2,4-Dinitrotoluene         | 15.15 | 165  | 632852   | 74.79 | ng/ul# | 63       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 536064   | 72.05 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.58 | 149  | 1836495  | 68.21 | ng/ul# | 89       |
| 58) Fluorene                   | 15.83 | 166  | 1724388  | 66.96 | ng/ul# | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.81 | 204  | 916181   | 70.73 | ng/ul  | 92       |
| 60) 4-Nitroaniline             | 15.87 | 138  | 466587   | 76.63 | ng/ul# | 55       |
| 63) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 414953   | 84.24 | ng/ul# | 82       |
| 64) N-Nitrosodiphenylamine     | 16.03 | 169  | 1584240  | 77.51 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.71 | 248  | 666022   | 79.40 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.84 | 284  | 699375   | 78.26 | ng/ul  | 96       |
| 67) Atrazine                   | 16.98 | 200  | 696187   | 82.46 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.19 | 266  | 368925   | 74.83 | ng/ul  | 88       |
| 69) Phenanthrene               | 17.58 | 178  | 2632289  | 69.49 | ng/ul# | 90       |
| 71) Anthracene                 | 17.68 | 178  | 2640902  | 68.33 | ng/ul# | 88       |
| 72) Carbazole                  | 17.95 | 167  | 2416402  | 77.58 | ng/ul# | 90       |
| 73) Di-n-butylphthalate        | 18.48 | 149  | 2803110  | 71.85 | ng/ul# | 85       |
| 74) Fluoranthene               | 19.59 | 202  | 2941393  | 75.85 | ng/ul  | 99       |
| 77) Pyrene                     | 19.96 | 202  | 2885137  | 61.57 | ng/ul  | 97       |
| 78) Butylbenzylphthalate       | 20.83 | 149  | 1453478  | 80.87 | ng/ul# | 80       |
| 79) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 1185653  | 88.78 | ng/ul# | 96       |
| 80) Benzo(a)anthracene         | 21.83 | 228  | 3011635  | 70.55 | ng/ul# | 86       |
| 81) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 1924379  | 80.53 | ng/ul# | 89       |
| 82) Chrysene                   | 21.90 | 228  | 2723508  | 70.17 | ng/ul# | 85       |
| 84) Di-n-octyl phthalate       | 22.96 | 149  | 3157085  | 84.62 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.16 | 252  | 3205830  | 76.30 | ng/ul# | 91       |
| 86) Benzo(k)fluoranthene       | 24.23 | 252  | 3026687  | 73.17 | ng/ul# | 89       |
| 88) Benzo(a)pyrene             | 25.08 | 252  | 3038273  | 74.90 | ng/ul# | 94       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.13 | 276  | 3791057  | 79.53 | ng/ul# | 87       |
| 90) Dibenzo(a,h)anthracene     | 29.20 | 278  | 3183510  | 78.31 | ng/ul# | 90       |
| 91) Benzo(g,h,i)perylene       | 30.36 | 276  | 3113438  | 78.78 | ng/ul# | 85       |

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

