

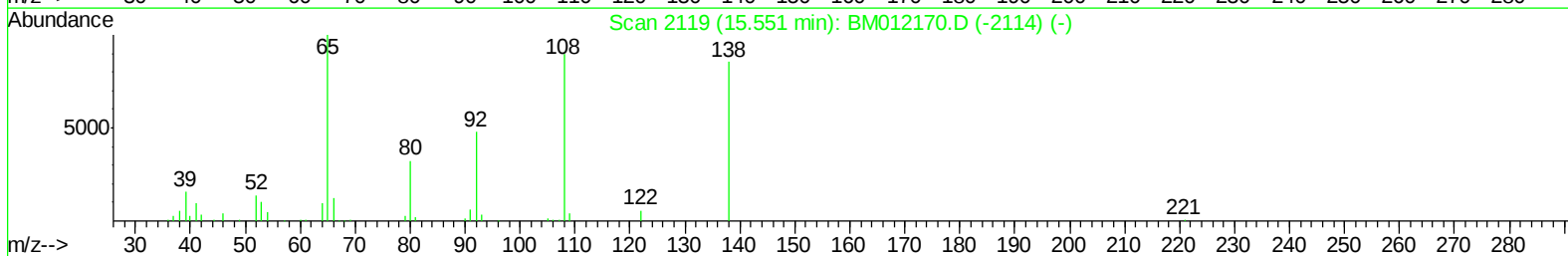
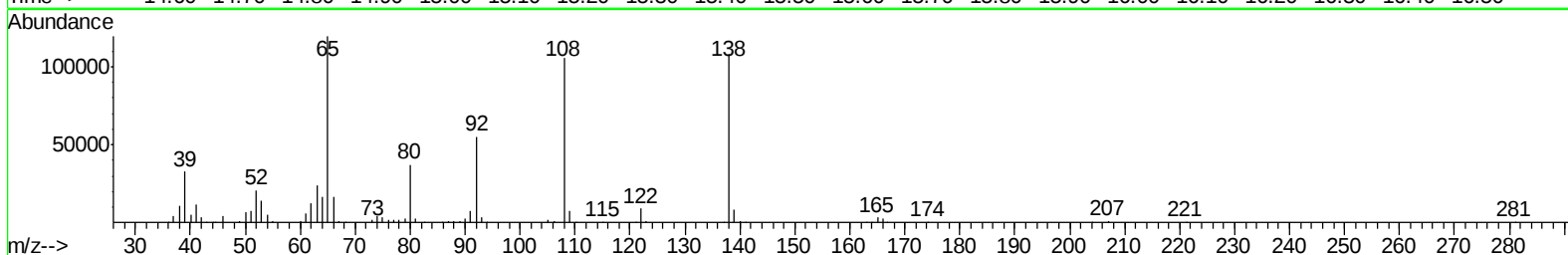
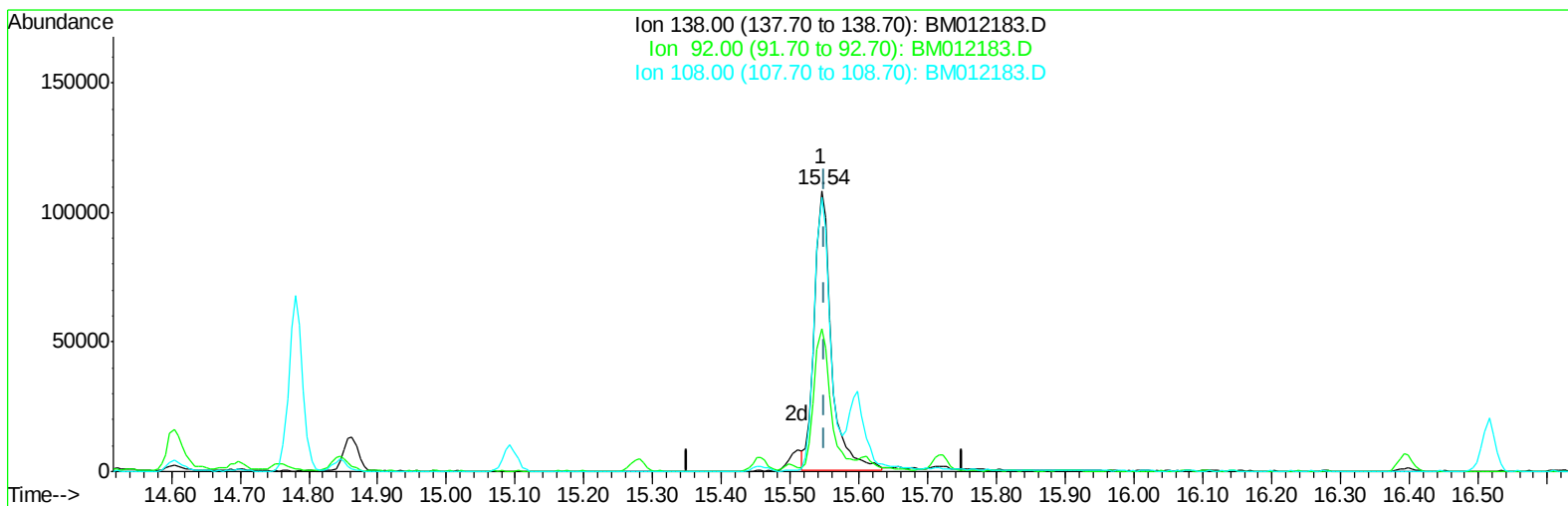
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
Data File : BM012183.D  
Acq On : 14 Oct 2017 22:53  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02008

Manual Integrations  
APPROVED

Sohil  
10/16/2017 7:48:08 PM

Quant Time: Oct 15 05:28:42 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Oct 15 05:22:07 2017  
Response via : Initial Calibration



TIC: BM012183.D

(60) 4-Nitroaniline

15.545min (-0.006) 20.40ng/ul m

response 185737

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 138.00 | 100    | 100   |
| 92.00  | 50.00  | 51.12 |
| 108.00 | 100.00 | 97.71 |
| 0.00   | 0.00   | 0.00  |

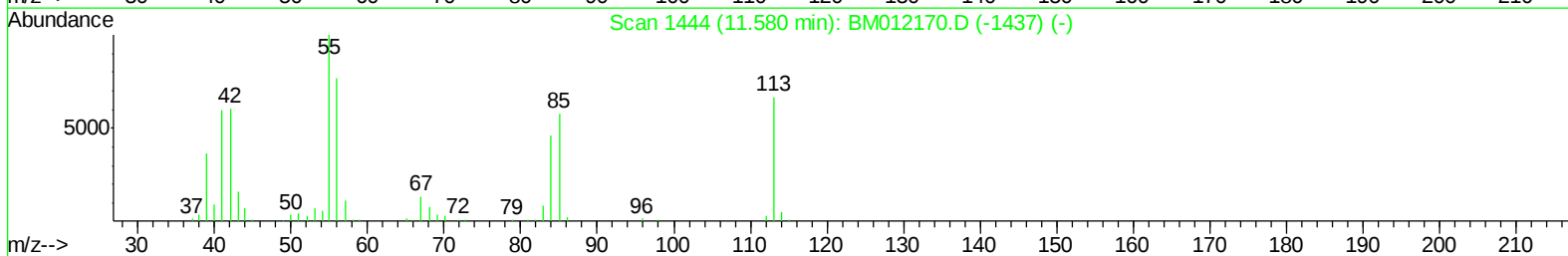
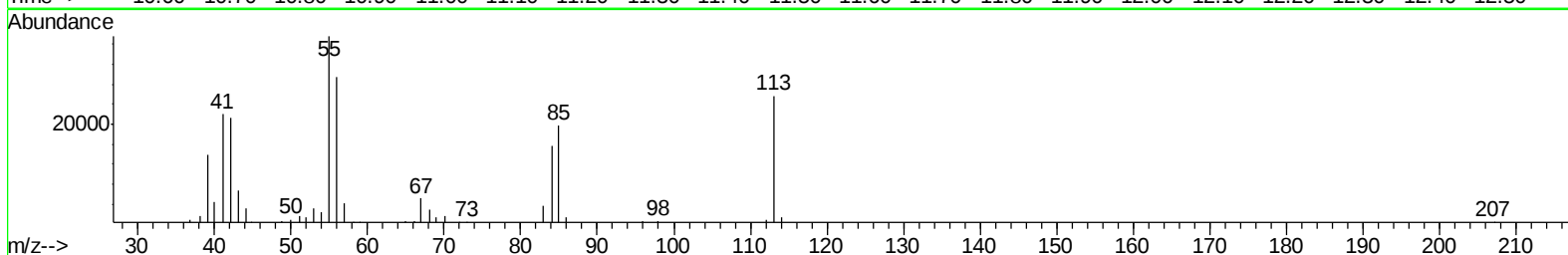
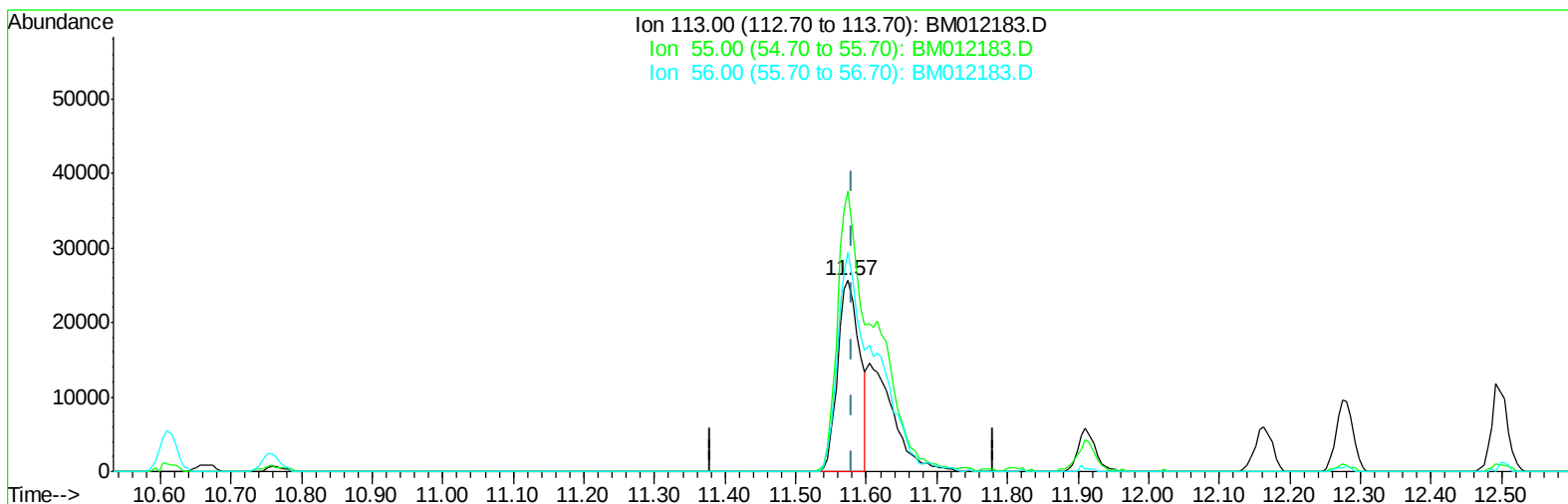
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
Data File : BM012183.D  
Acq On : 14 Oct 2017 22:53  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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LabSampleId :  
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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration



TIC: BM012183.D

(32) Caprolactam

11.575min (-0.006) 13.13ng/ul

response 56004

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 146.72# |
| 56.00  | 200.00 | 114.85# |
| 0.00   | 0.00   | 0.00    |

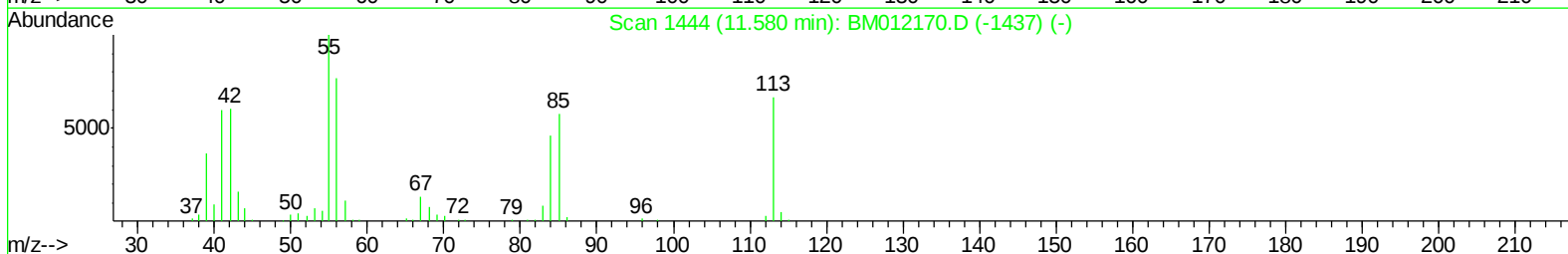
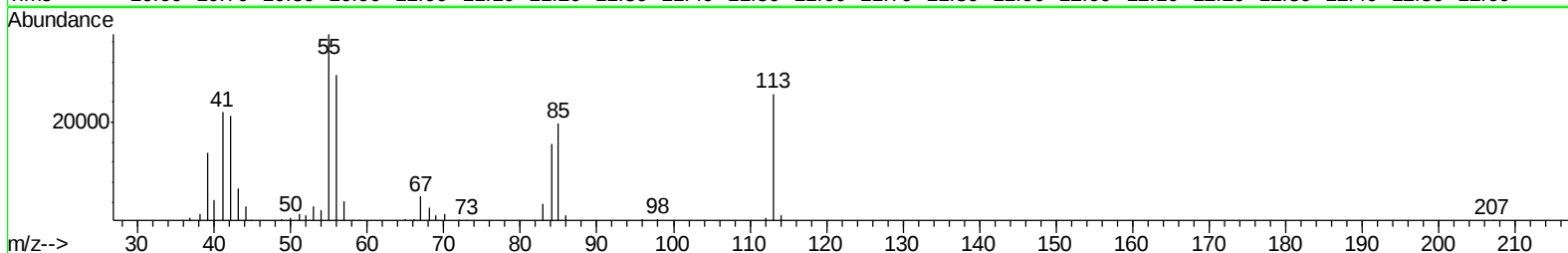
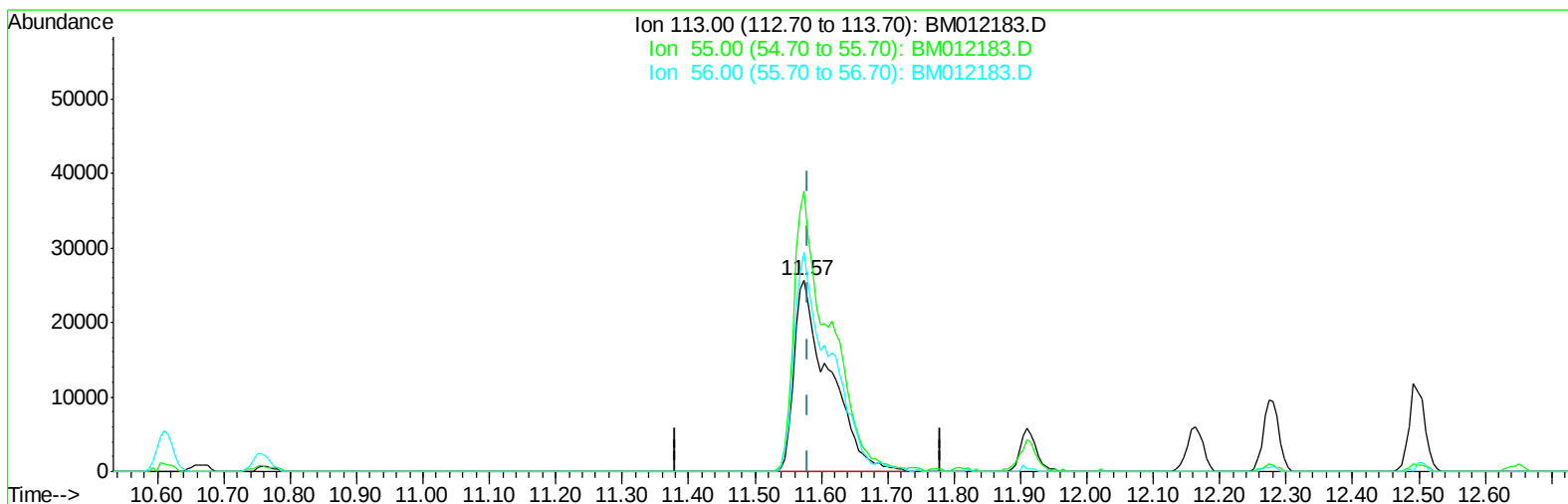
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
Data File : BM012183.D  
Acq On : 14 Oct 2017 22:53  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
SSTD02008

Manual Integrations  
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Quant Time: Oct 15 05:28:42 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Oct 15 05:22:07 2017  
Response via : Initial Calibration



TIC: BM012183.D

(32) Caprolactam

11.575min (-0.006) 21.92ng/ul m

response 93495

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 260.00 | 146.72# |
| 56.00  | 200.00 | 114.85# |
| 0.00   | 0.00   | 0.00    |

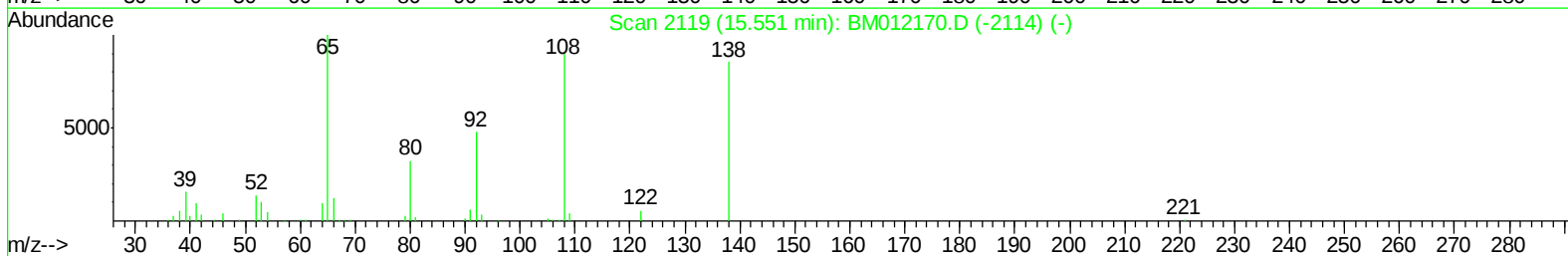
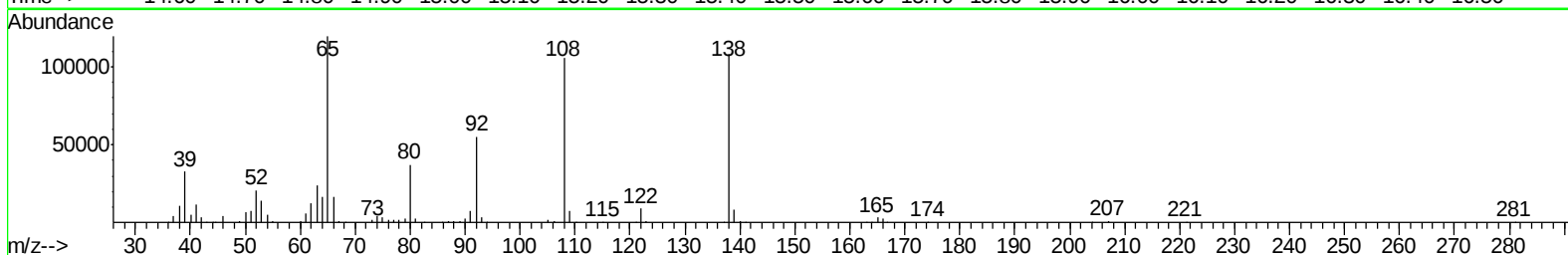
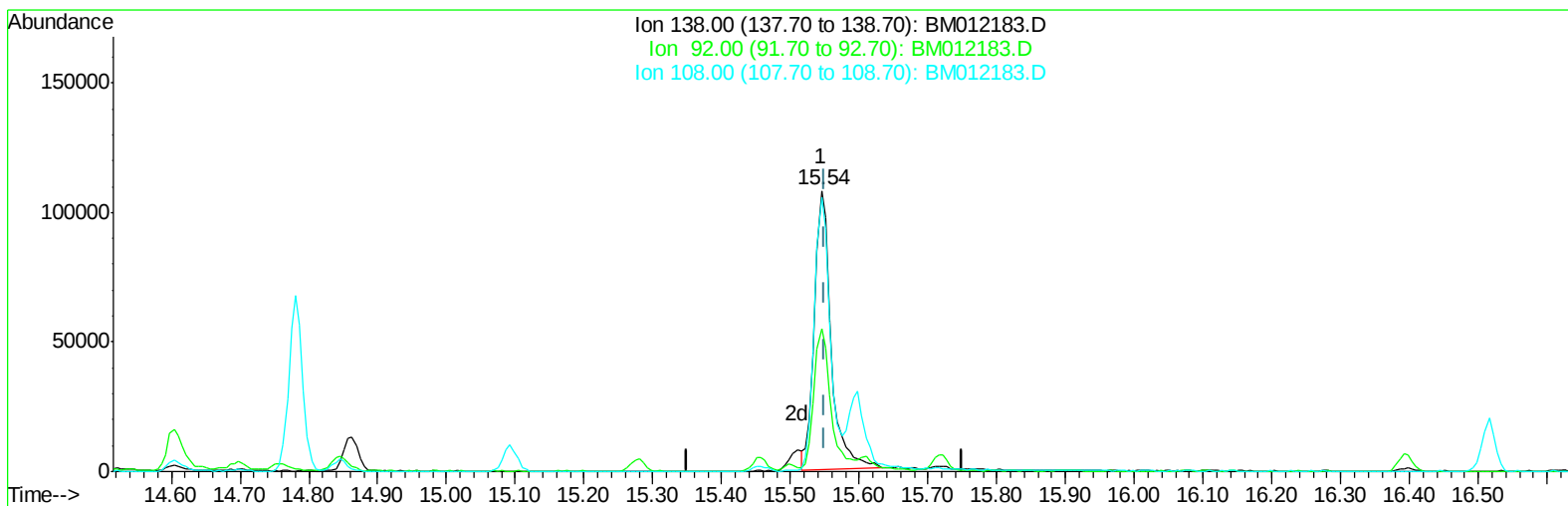
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
Data File : BM012183.D  
Acq On : 14 Oct 2017 22:53  
Operator : SJ/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
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Manual Integrations  
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Quant Title : SVOA CALIBRATION  
QLast Update : Sun Oct 15 05:22:07 2017  
Response via : Initial Calibration



TIC: BM012183.D

(60) 4-Nitroaniline

15.545min (-0.006) 19.92ng/ul

response 181346

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 138.00 | 100    | 100   |
| 92.00  | 50.00  | 51.12 |
| 108.00 | 100.00 | 97.71 |
| 0.00   | 0.00   | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
 Data File : BM012183.D  
 Acq On : 14 Oct 2017 22:53  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02008

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 7:48:08 PM

Quant Time: Oct 15 06:13:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 15 05:22:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 158732   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.61 | 136  | 805625   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 539106   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 1400258  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 1806032  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.70 | 264  | 1889614  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 21033   | 6.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 244216  | 18.96 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 138203  | 17.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.34  | 132 | 212734  | 19.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.52  | 113 | 242335  | 21.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 115715  | 18.82 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 136059  | 18.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 281684  | 20.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 312050  | 24.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 954502  | 20.03 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1074290 | 18.63 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 143091  | 19.98 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 795899  | 20.35 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 187584  | 19.52 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 1400554 | 20.23 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.60 | 212 | 1657327 | 18.08 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.55 | 264 | 1778140 | 19.52 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 22699  | 6.66 ng/uL#  | 65     |
| 4) Benzaldehyde                | 6.96  | 77  | 164966 | 19.17 ng/ul  | 89     |
| 6) Phenol                      | 7.00  | 94  | 251629 | 18.90 ng/ul# | 87     |
| 8) Bis(2-Chloroethyl)ether     | 7.23  | 93  | 188829 | 18.61 ng/ul  | 99     |
| 10) 2-Chlorophenol             | 7.37  | 128 | 217430 | 19.50 ng/ul  | 97     |
| 11) 2-Methylphenol             | 8.26  | 108 | 209548 | 20.93 ng/ul  | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 242144 | 18.80 ng/ul# | 83     |
| 14) Acetophenone               | 8.64  | 105 | 372340 | 22.10 ng/ul  | 89     |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 196294 | 21.73 ng/ul# | 71     |
| 16) 4-Methylphenol             | 8.59  | 108 | 239011 | 21.66 ng/ul  | 90     |
| 17) Hexachloroethane           | 8.88  | 117 | 94097  | 20.00 ng/ul  | 87     |
| 20) Nitrobenzene               | 9.02  | 77  | 273910 | 17.93 ng/ul  | 92     |
| 21) Isophorone                 | 9.55  | 82  | 538206 | 18.86 ng/ul# | 94     |
| 23) 2-Nitrophenol              | 9.73  | 139 | 145581 | 18.90 ng/ul# | 79     |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 294623 | 18.98 ng/ul# | 87     |
| 25) Bis(2-Chloroethoxy)methane | 10.02 | 93  | 318532 | 19.04 ng/ul  | 96     |
| 27) 2,4-Dichlorophenol         | 10.27 | 162 | 272281 | 20.15 ng/ul  | 91     |
| 28) Naphthalene                | 10.66 | 128 | 816407 | 19.59 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.78 | 127 | 312821 | 24.78 ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 10.93 | 225 | 191551 | 19.13 ng/ul  | 95     |
| 32) Caprolactam                | 11.57 | 113 | 93495m | 21.92 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.91 | 107 | 290009 | 20.49 ng/ul  | 98     |
| 34) 2-Methylnaphthalene        | 12.28 | 142 | 620926 | 19.74 ng/ul  | 98     |

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 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02008

Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 7:48:08 PM

Quant Time: Oct 15 06:13:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 15 05:22:07 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216  | 371052   | 18.96 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.62 | 237  | 164941   | 18.91 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.89 | 196  | 260341   | 20.06 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.97 | 196  | 269280   | 20.17 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.29 | 154  | 847467   | 18.63 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.34 | 162  | 691335   | 19.36 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.55 | 65   | 205248   | 20.66 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 13.92 | 163  | 973949   | 20.40 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 187395   | 19.78 | ng/ul  | 91       |
| 47) Acenaphthylene             | 14.19 | 152  | 1055140  | 18.63 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.38 | 138  | 160412   | 21.76 | ng/ul  | 89       |
| 49) Acenaphthene               | 14.53 | 153  | 744875   | 19.53 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.60 | 184  | 113158   | 21.03 | ng/ul  | 98       |
| 52) 4-Nitrophenol              | 14.70 | 109  | 135126   | 20.99 | ng/ul# | 79       |
| 53) Dibenzofuran               | 14.86 | 168  | 1130979  | 20.59 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.85 | 165  | 310966   | 22.64 | ng/ul  | 91       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.09 | 232  | 263338   | 21.55 | ng/ul  | 91       |
| 56) Diethylphthalate           | 15.28 | 149  | 1034598  | 20.05 | ng/ul  | 95       |
| 58) Fluorene                   | 15.51 | 166  | 940688   | 20.62 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204  | 509652   | 21.27 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.54 | 138  | 185737m  | 20.40 | ng/ul  |          |
| 63) 4,6-Dinitro-2-methylphenol | 15.61 | 198  | 198460   | 19.56 | ng/ul  | 91       |
| 64) N-Nitrosodiphenylamine     | 15.72 | 169  | 787372   | 17.96 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.40 | 248  | 330429   | 19.71 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.52 | 284  | 362611   | 19.10 | ng/ul# | 90       |
| 67) Atrazine                   | 16.67 | 200  | 364345   | 19.88 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 16.86 | 266  | 197057   | 18.61 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.25 | 178  | 1592245  | 19.99 | ng/ul  | 99       |
| 71) Anthracene                 | 17.34 | 178  | 1671100  | 20.26 | ng/ul  | 99       |
| 72) Carbazole                  | 17.62 | 167  | 1408560  | 20.18 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.16 | 149  | 1893692  | 19.54 | ng/ul  | 97       |
| 74) Fluoranthene               | 19.27 | 202  | 2032109  | 21.14 | ng/ul# | 93       |
| 77) Pyrene                     | 19.63 | 202  | 2143010  | 17.97 | ng/ul# | 92       |
| 78) Butylbenzylphthalate       | 20.52 | 149  | 943465   | 17.77 | ng/ul  | 89       |
| 79) 3,3'-Dichlorobenzidine     | 21.30 | 252  | 678392   | 18.87 | ng/ul# | 94       |
| 80) Benzo(a)anthracene         | 21.37 | 228  | 2237056  | 19.04 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 1401326  | 17.59 | ng/ul# | 96       |
| 82) Chrysene                   | 21.43 | 228  | 2044661  | 18.53 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.17 | 149  | 2438227  | 17.65 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.00 | 252  | 2370907  | 19.23 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 23.04 | 252  | 2159785  | 18.17 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.60 | 252  | 2266491  | 19.50 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.06 | 276  | 2688338  | 21.78 | ng/ul# | 93       |
| 90) Dibenzo(a,h)anthracene     | 26.06 | 278  | 2272403  | 21.90 | ng/ul# | 96       |
| 91) Benzo(g,h,i)perylene       | 26.79 | 276  | 2196698  | 21.73 | ng/ul# | 96       |

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

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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
LabSampleId :  
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APPROVED

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