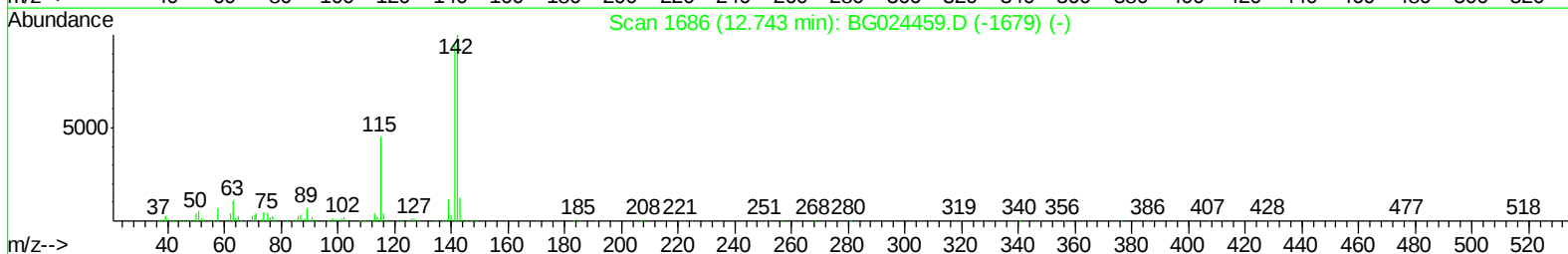
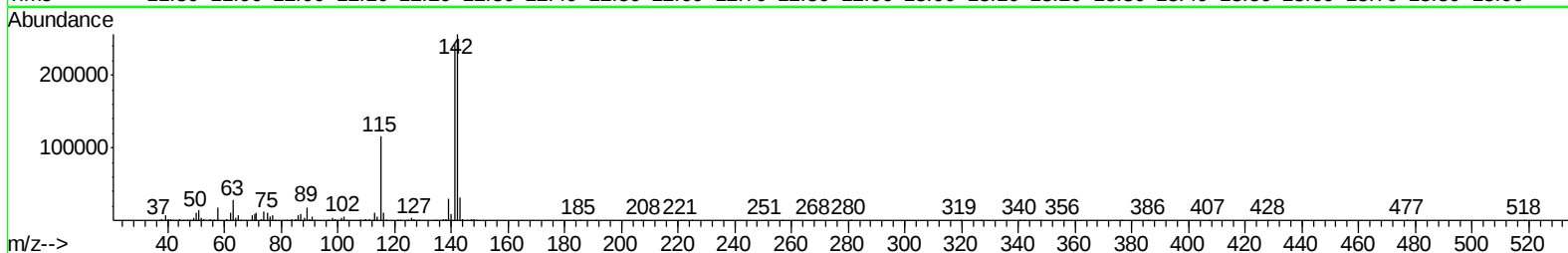
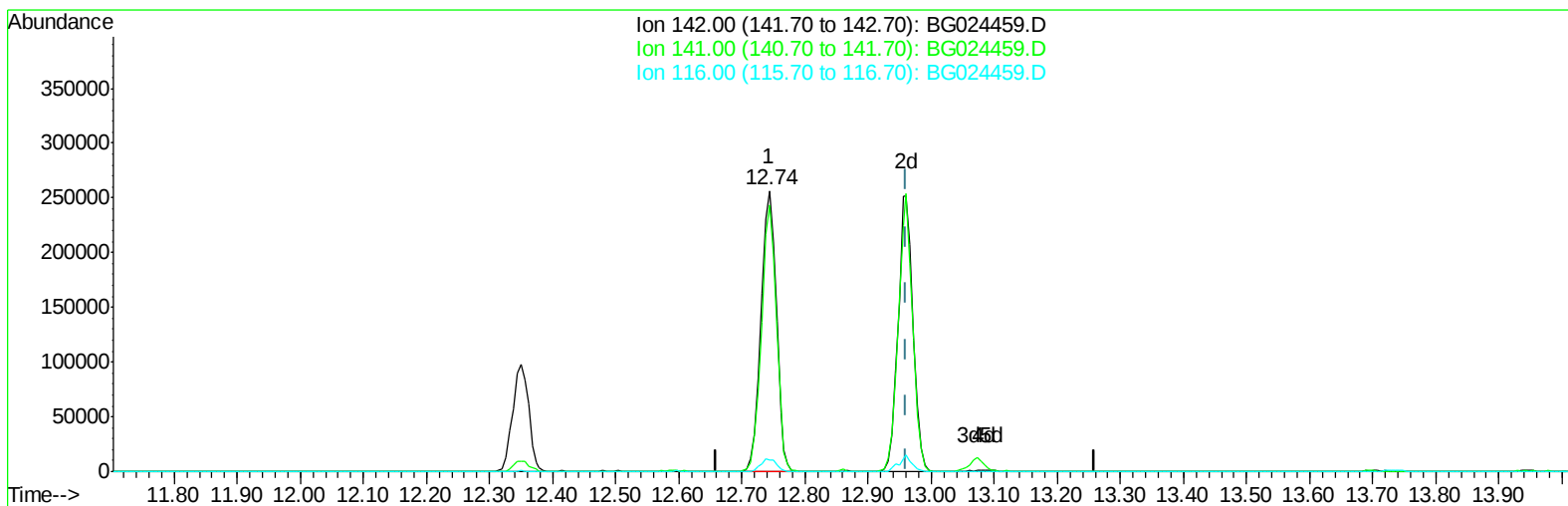


Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(12) 1-Methylnaphthalene

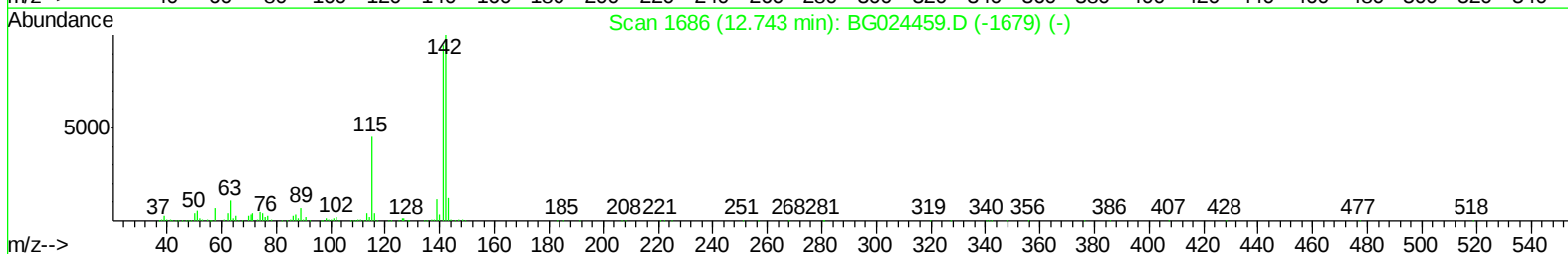
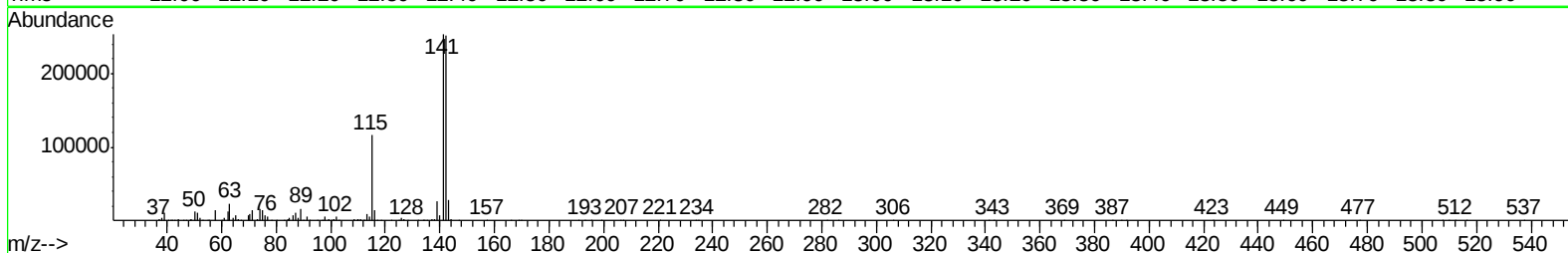
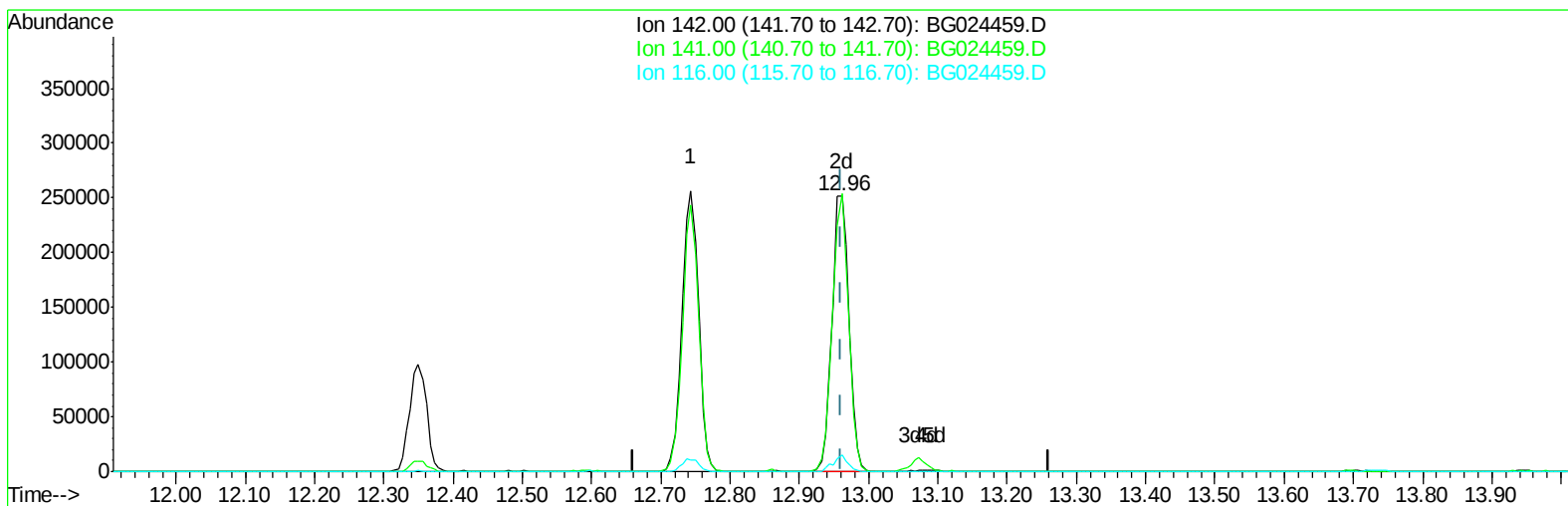
12.743min (-0.217) 21.63ng/ul

response 427151

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 142.00 | 100   | 100   |
| 141.00 | 93.60 | 94.86 |
| 116.00 | 3.90  | 3.99  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(12) 1-Methylnaphthalene

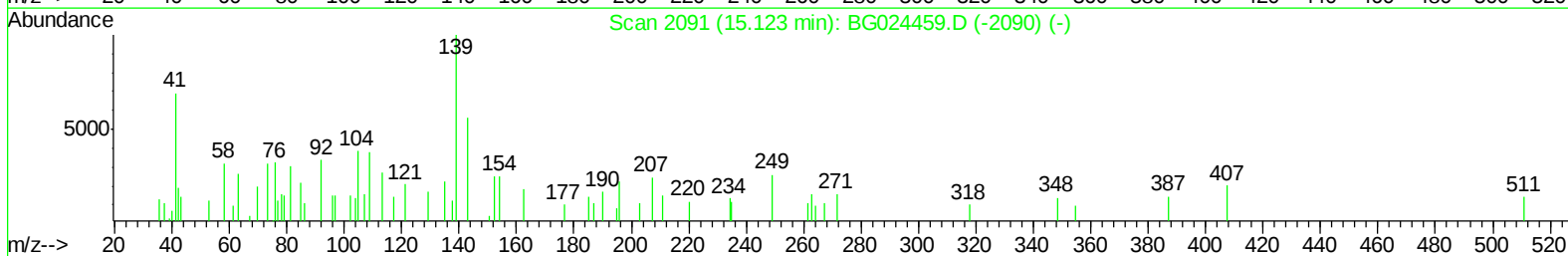
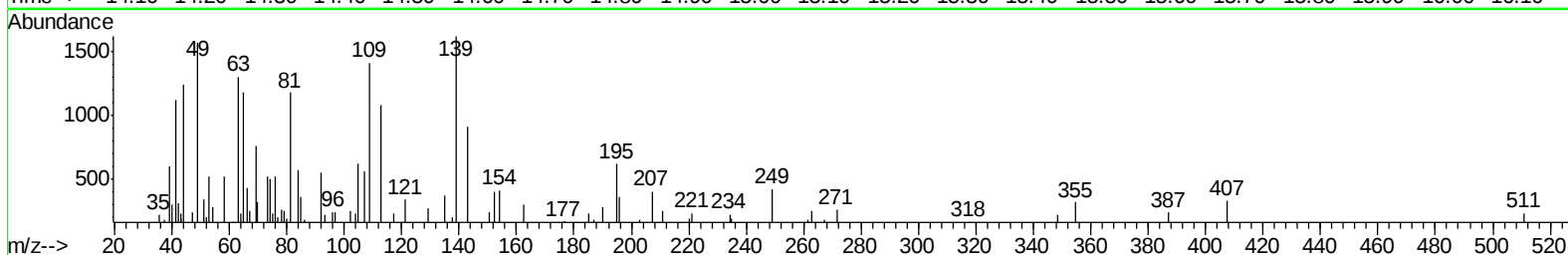
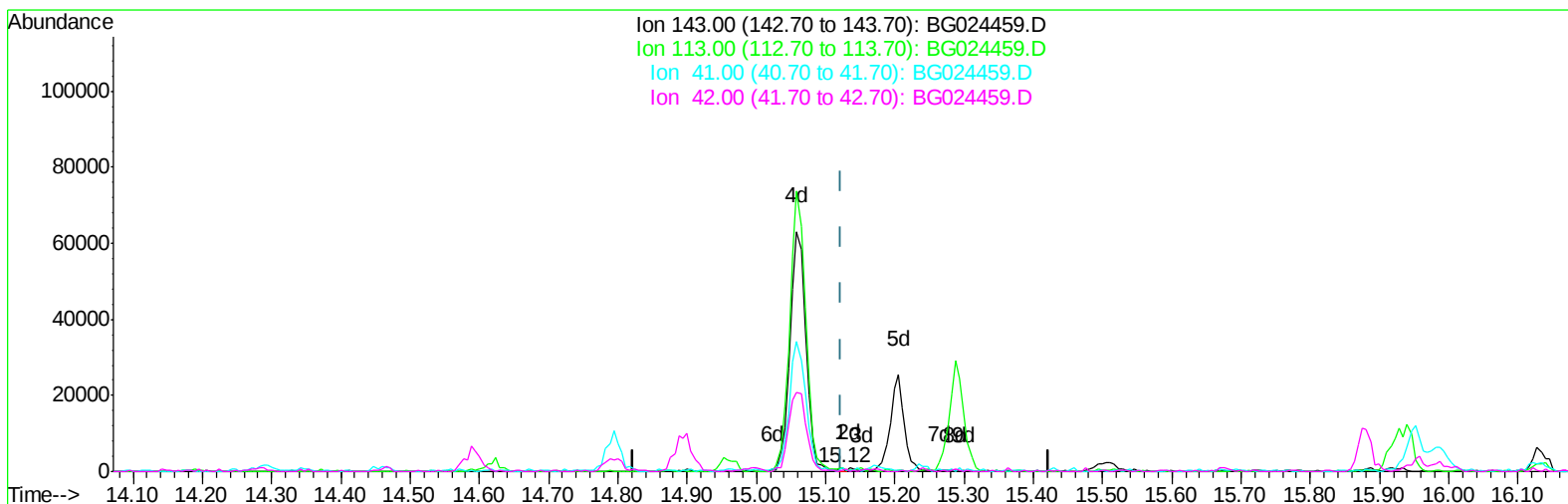
12.961min (0.000) 21.73ng/ul m

response 428960

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 142.00 | 100   | 100    |
| 141.00 | 93.60 | 100.66 |
| 116.00 | 3.90  | 5.81#  |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(16) 4-Nitrophenol-d4 (S)

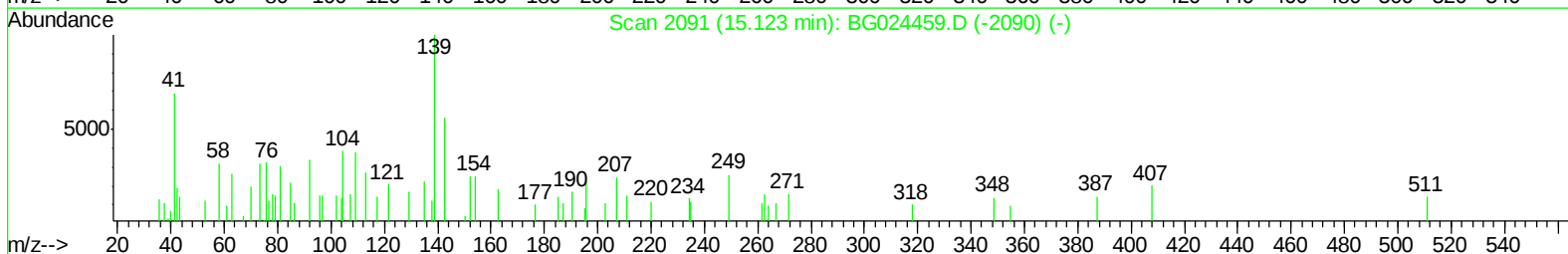
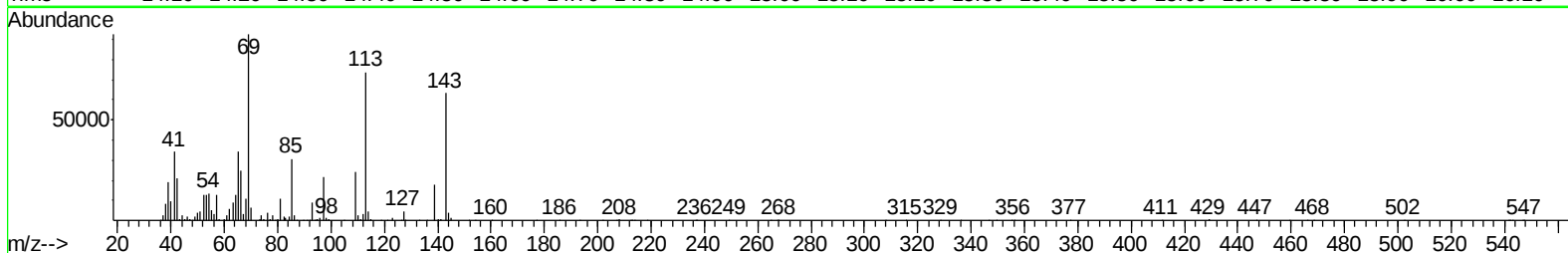
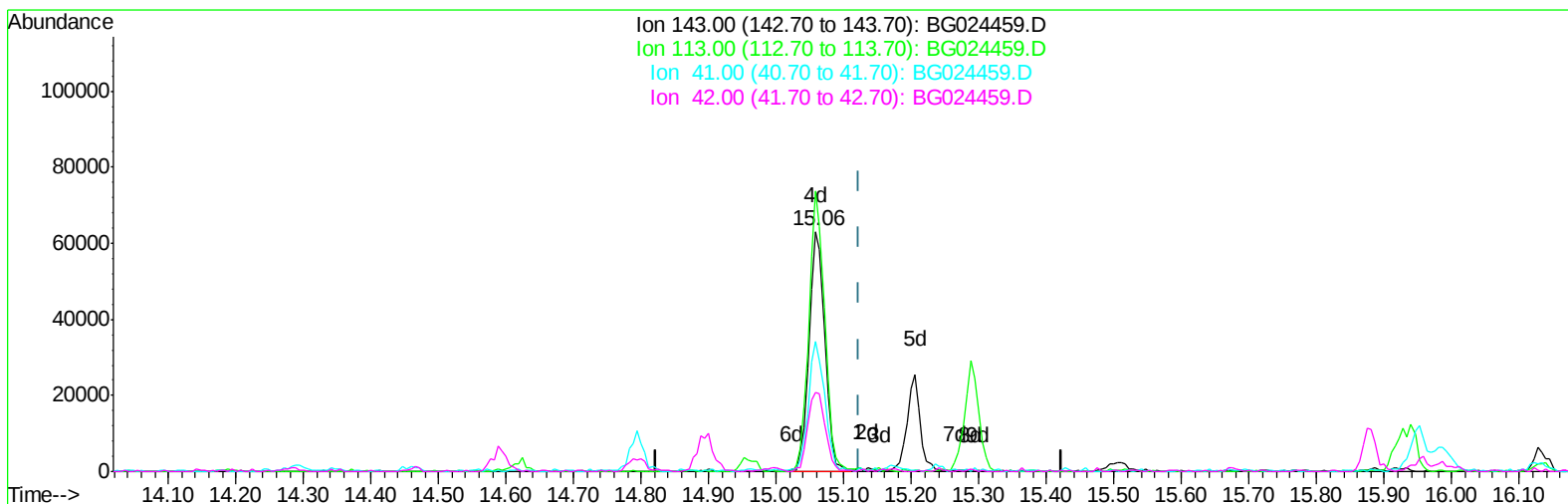
15.123min (0.000) 0.06ng/ul

response 318

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 75.10 | 119.07# |
| 41.00  | 28.80 | 123.84# |
| 42.00  | 19.10 | 33.48#  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SST02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(16) 4-Nitrophenol-d4 (S)

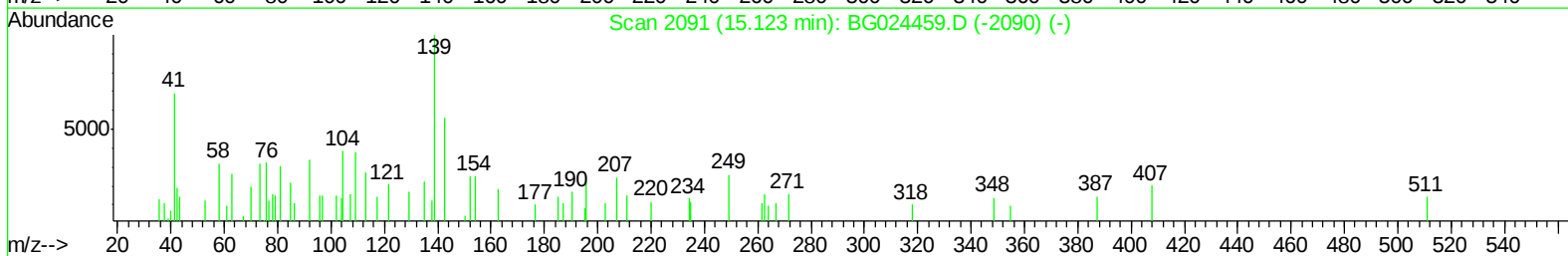
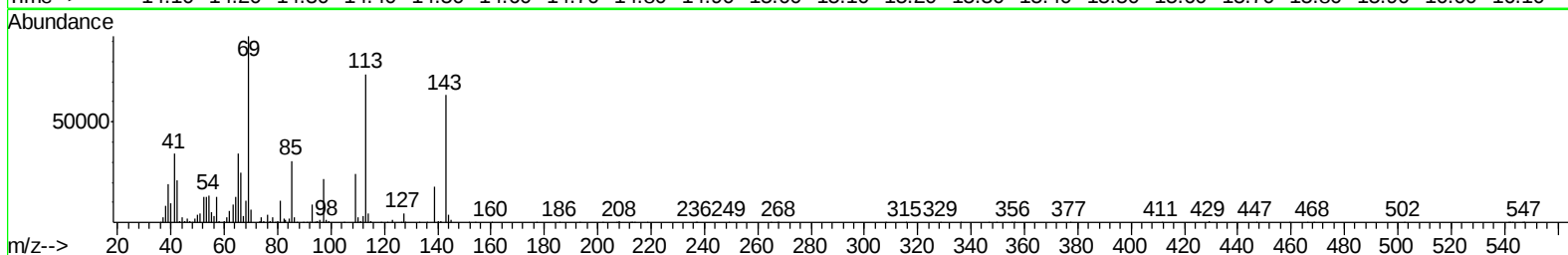
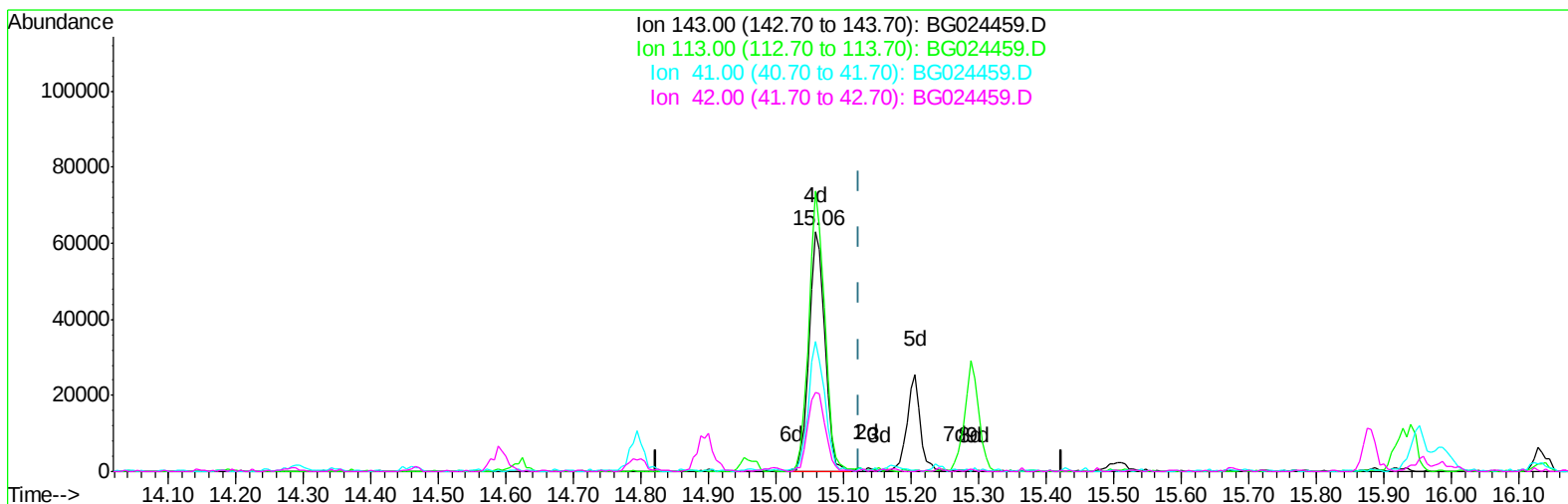
15.058min (-0.065) 19.54ng/ul m

response 100799

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 75.10 | 116.71# |
| 41.00  | 28.80 | 54.29#  |
| 42.00  | 19.10 | 32.88#  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(16) 4-Nitrophenol-d4 (S)

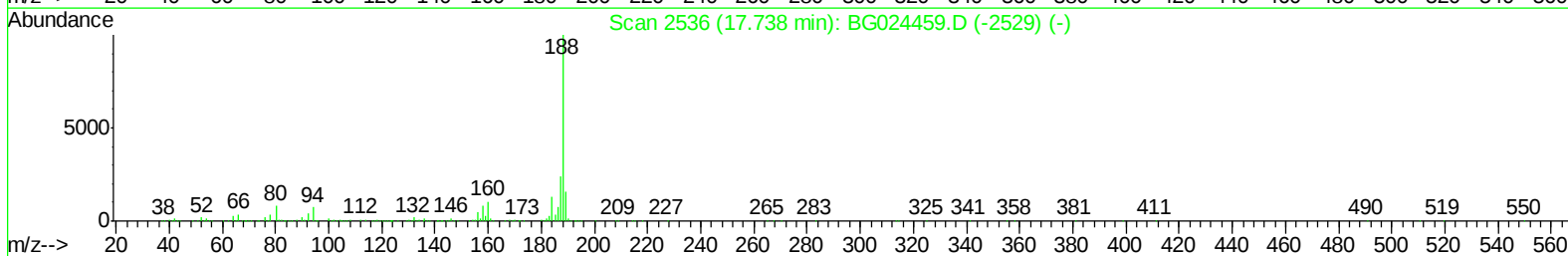
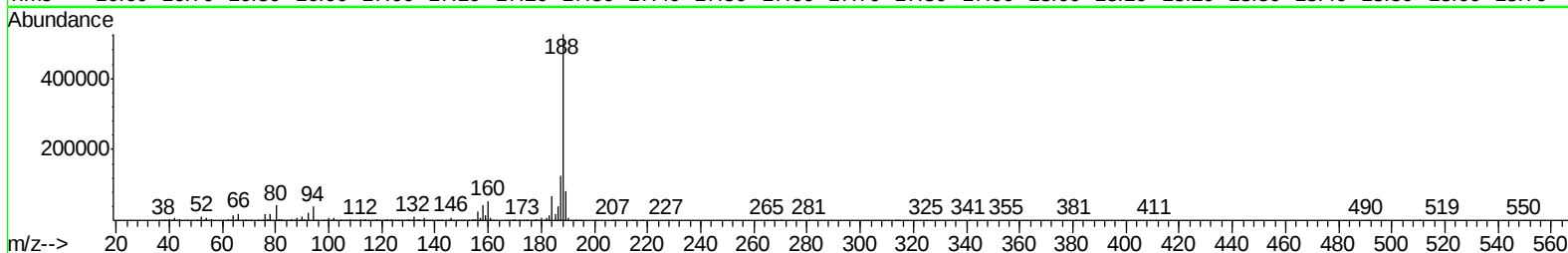
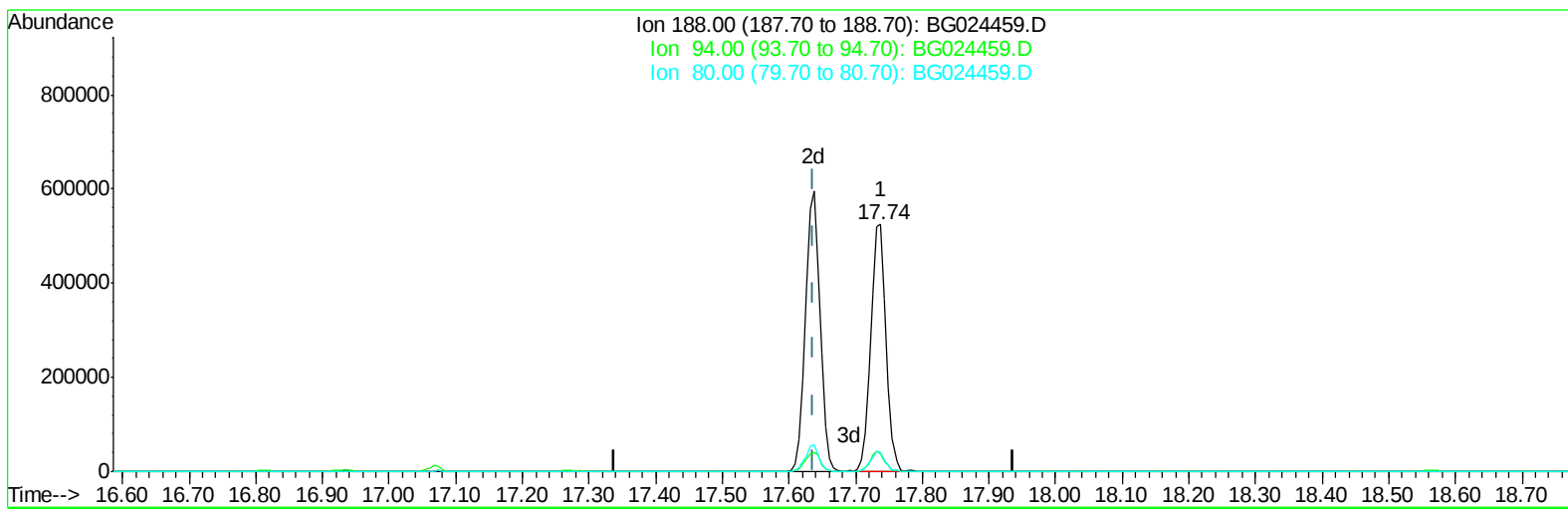
15.058min (-0.065) 19.54ng/ul m

response 100799

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 75.10 | 116.71# |
| 41.00  | 28.80 | 54.29#  |
| 42.00  | 19.10 | 32.88#  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(18) Phenanthrene-d10 (I)

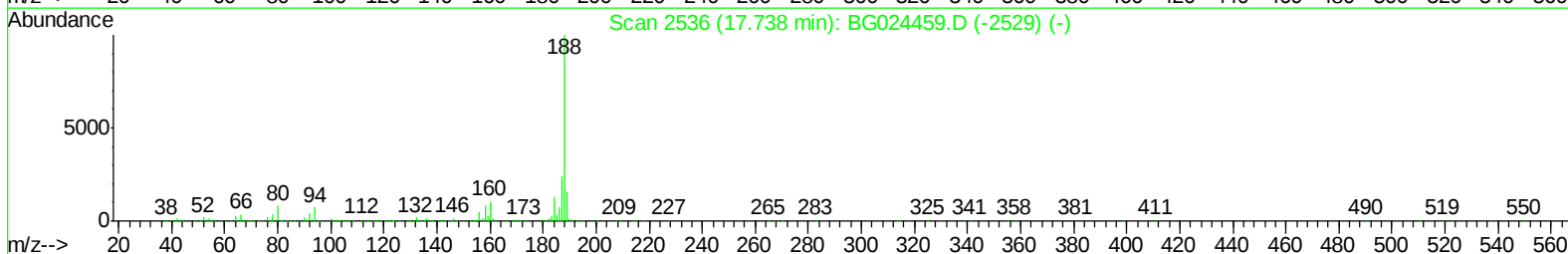
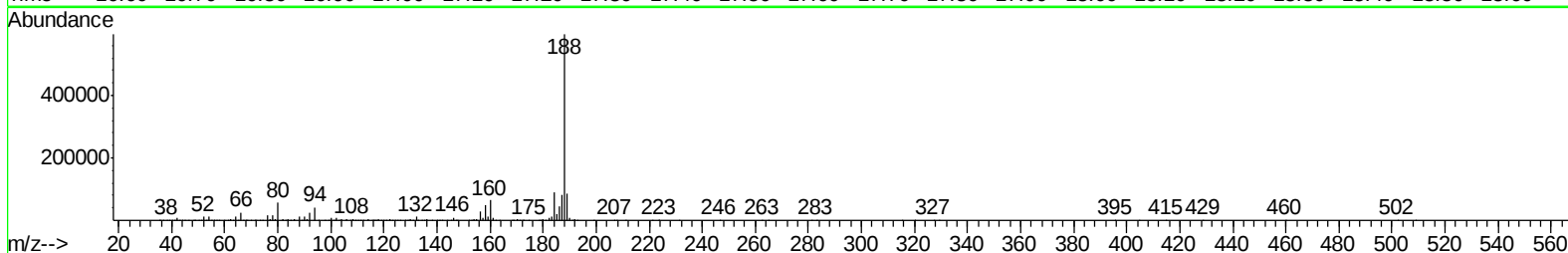
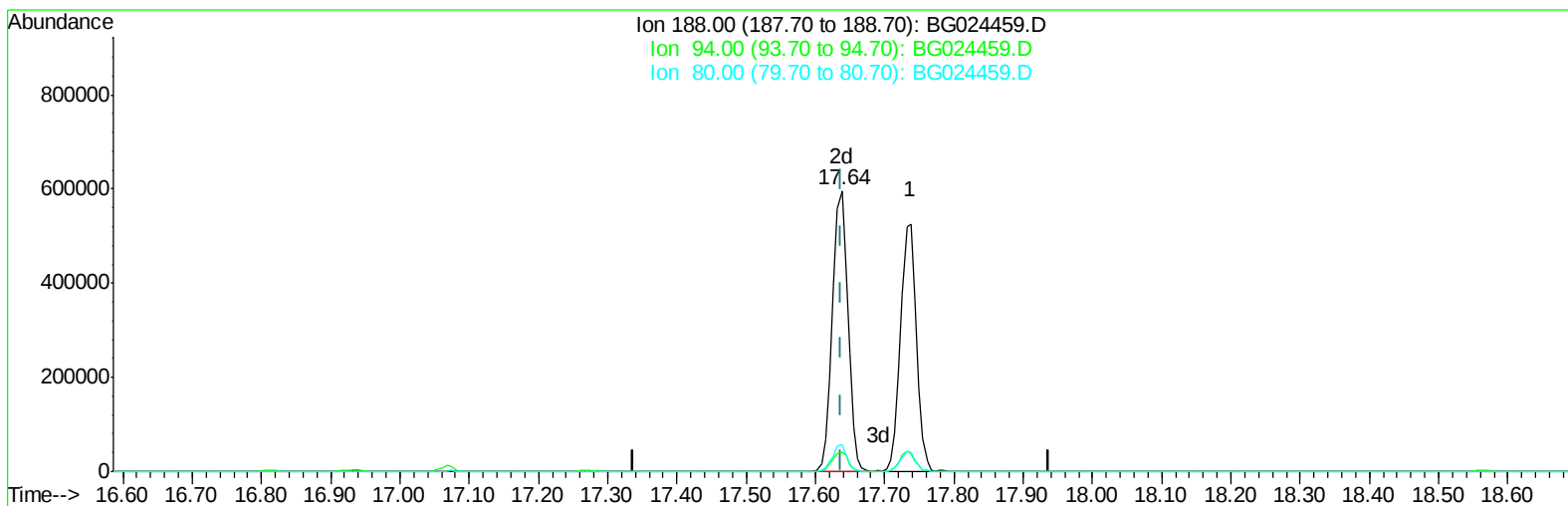
17.738min (+0.100) 20.00ng/ul

response 836598

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 9.00 | 7.48 |
| 80.00  | 9.70 | 7.95 |
| 0.00   | 0.00 | 0.00 |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 07:55:49 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(18) Phenanthrene-d10 (I)

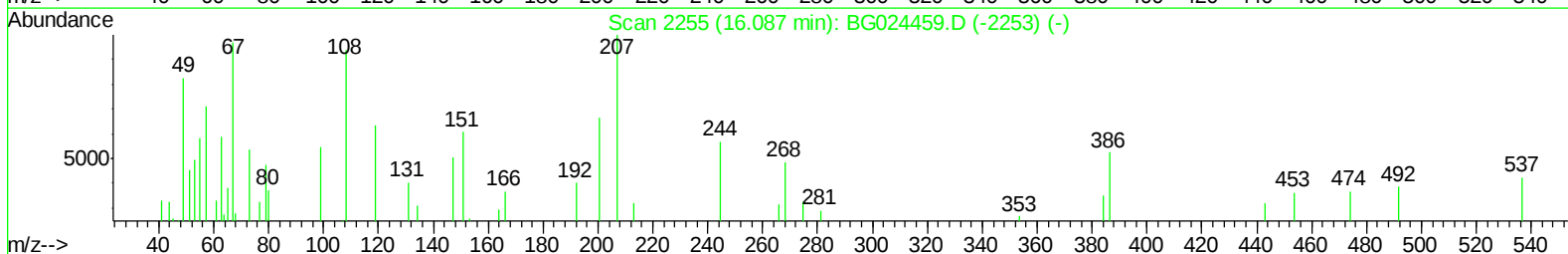
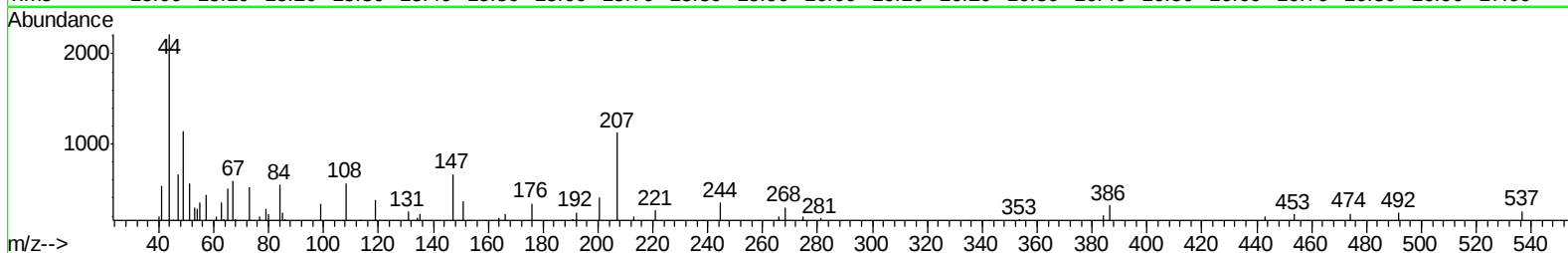
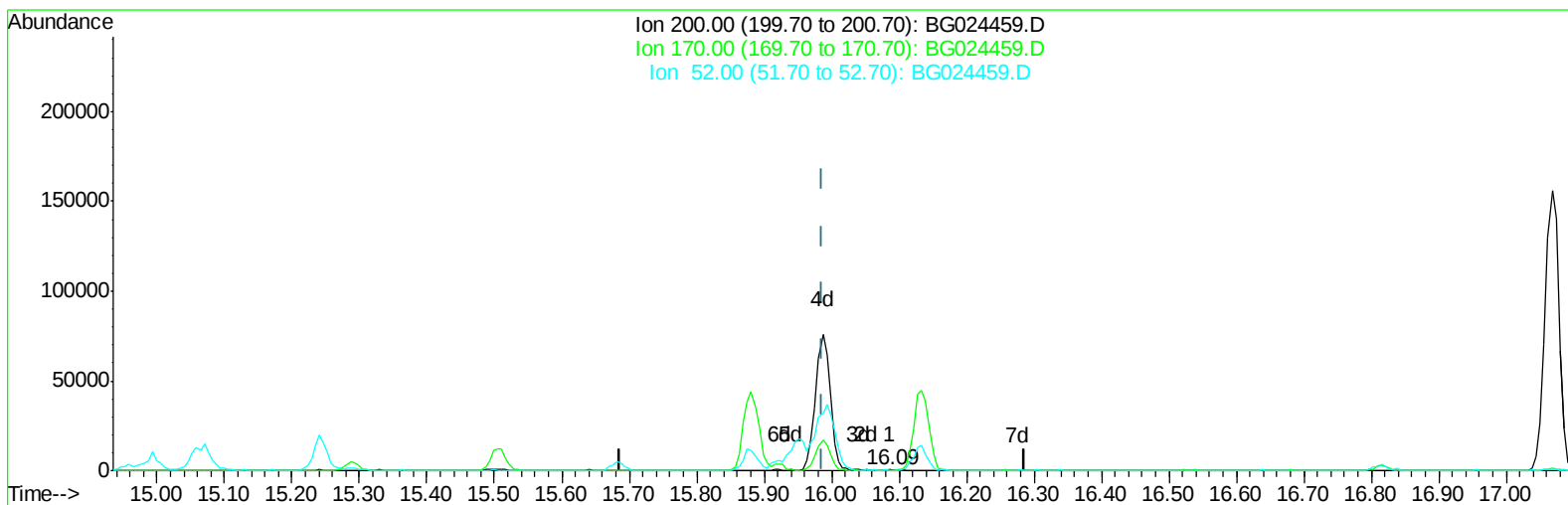
17.638min (0.000) 20.00ng/ul m

response 931751

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 9.00 | 7.05# |
| 80.00  | 9.70 | 9.48  |
| 0.00   | 0.00 | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SSTD02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 08:00:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(19) 4,6-Dinitro-2-methylphenol-d2 (S)

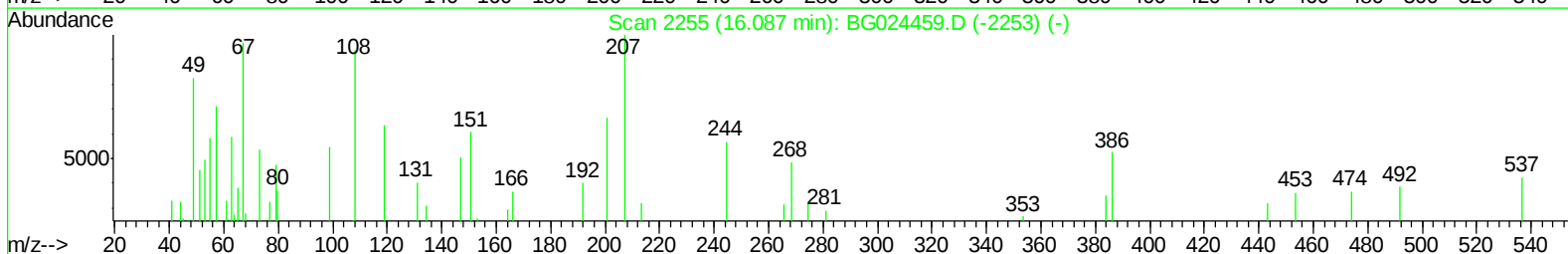
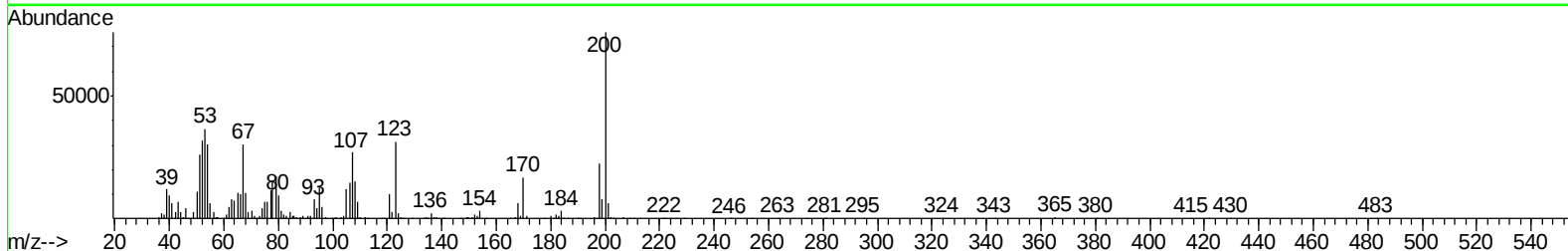
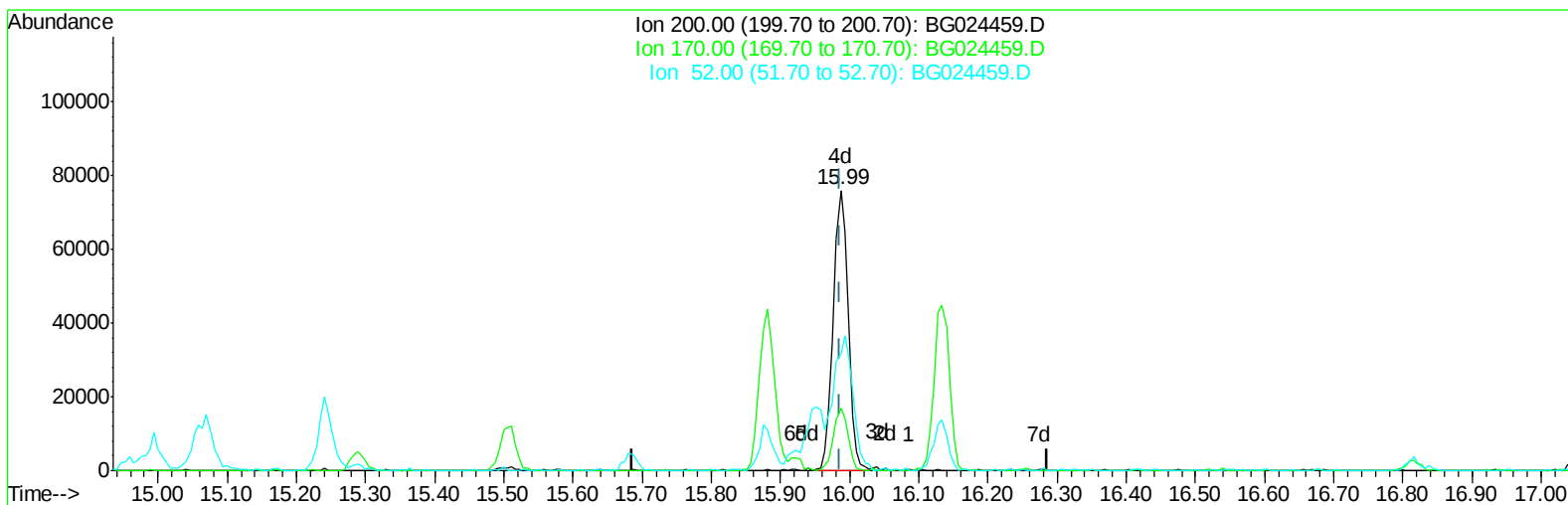
16.087min (+0.100) 0.04ng/ul

response 203

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 22.40 | 0.00# |
| 52.00  | 33.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
Data File : BG024459.D  
Acq On : 20 Oct 2016 12:40  
Operator : UM/SJ  
Sample : SST02009  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 08:00:37 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 21 07:54:54 2016  
Response via : Initial Calibration



TIC: BG024459.D

(19) 4,6-Dinitro-2-methylphenol-d2 (S)

15.987min (0.000) 20.19ng/ul m

response 114000

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 22.40 | 22.19  |
| 52.00  | 33.60 | 41.91# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102016\  
 Data File : BG024459.D  
 Acq On : 20 Oct 2016 12:40  
 Operator : UM/SJ  
 Sample : SSTD02009  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 21 08:01:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG102016-MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 21 07:54:54 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.28  | 152  | 129073   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 11.11 | 136  | 573617   | 20.00 | ng/ul | 0.00     |
| 13) Acenaphthene-d10      | 14.89 | 164  | 449700   | 20.00 | ng/ul | 0.00     |
| 18) Phenanthrene-d10      | 17.64 | 188  | 931751m  | 20.00 | ng/ul | 0.00     |
| 23) Chrysene-d12          | 21.93 | 240  | 1071797  | 20.00 | ng/ul | 0.00     |
| 25) Perylene-d12          | 25.37 | 264  | 1097002  | 20.00 | ng/ul | 0.00     |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 2) 1,4-Dioxane-d8              | 3.64  | 96   | 18166    | 6.01  | ng/uL | 0.00     |
| 3) Phenol-d5                   | 7.41  | 99   | 227941   | 22.79 | ng/ul | 0.00     |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.59  | 67   | 146848   | 24.77 | ng/ul | 0.00     |
| 5) 2-Chlorophenol-d4           | 7.80  | 132  | 164046   | 21.37 | ng/ul | 0.00     |
| 6) 4-Methylphenol-d8           | 8.97  | 113  | 191354   | 24.35 | ng/ul | 0.00     |
| 8) Nitrobenzene-d5             | 9.45  | 128  | 82358    | 20.33 | ng/ul | 0.00     |
| 9) 2-Nitrophenol-d4            | 10.18 | 143  | 102638   | 23.21 | ng/ul | 0.00     |
| 10) 2,4-Dichlorophenol-d3      | 10.71 | 165  | 205870   | 23.65 | ng/ul | 0.00     |
| 11) 4-Chloroaniline-d4         | 11.24 | 131  | 223003   | 22.58 | ng/ul | 0.00     |
| 14) Dimethylphthalate-d6       | 14.29 | 166  | 613672   | 19.56 | ng/ul | 0.00     |
| 15) Acenaphthylene-d8          | 14.59 | 160  | 756368   | 20.57 | ng/ul | 0.00     |
| 16) 4-Nitrophenol-d4           | 15.06 | 143  | 100799m  | 19.54 | ng/ul | -0.06    |
| 17) Fluorene-d10               | 15.88 | 176  | 571666   | 21.12 | ng/ul | 0.00     |
| 19) 4,6-Dinitro-2-methylphenol | 15.99 | 200  | 114000m  | 20.19 | ng/ul | 0.00     |
| 20) Anthracene-d10             | 17.74 | 188  | 836598   | 19.75 | ng/ul | 0.00     |
| 24) Pyrene-d10                 | 20.01 | 212  | 961113   | 22.15 | ng/ul | 0.00     |
| 26) Benzo(a)pyrene-d12         | 25.13 | 264  | 957755   | 20.04 | ng/ul | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 12) 1-Methylnaphthalene        | 12.96 | 142  | 428960m  | 21.73 | ng/ul |        |
| 21) 1,2,3,4-Tetrachlorobenzene | 13.70 | 216  | 292072   | 21.52 | ng/uL | 96     |
| 22) Pentachlorobenzene         | 15.21 | 250  | 296230   | 20.88 | ng/uL | 98     |

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

[illegible]