

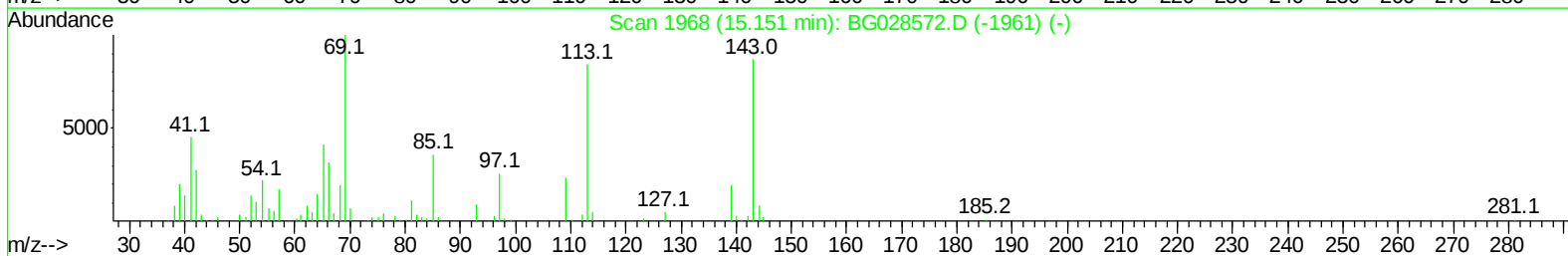
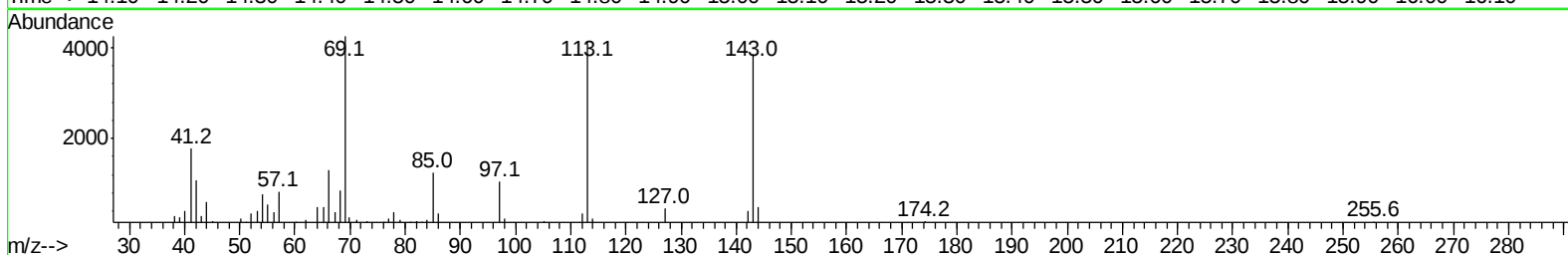
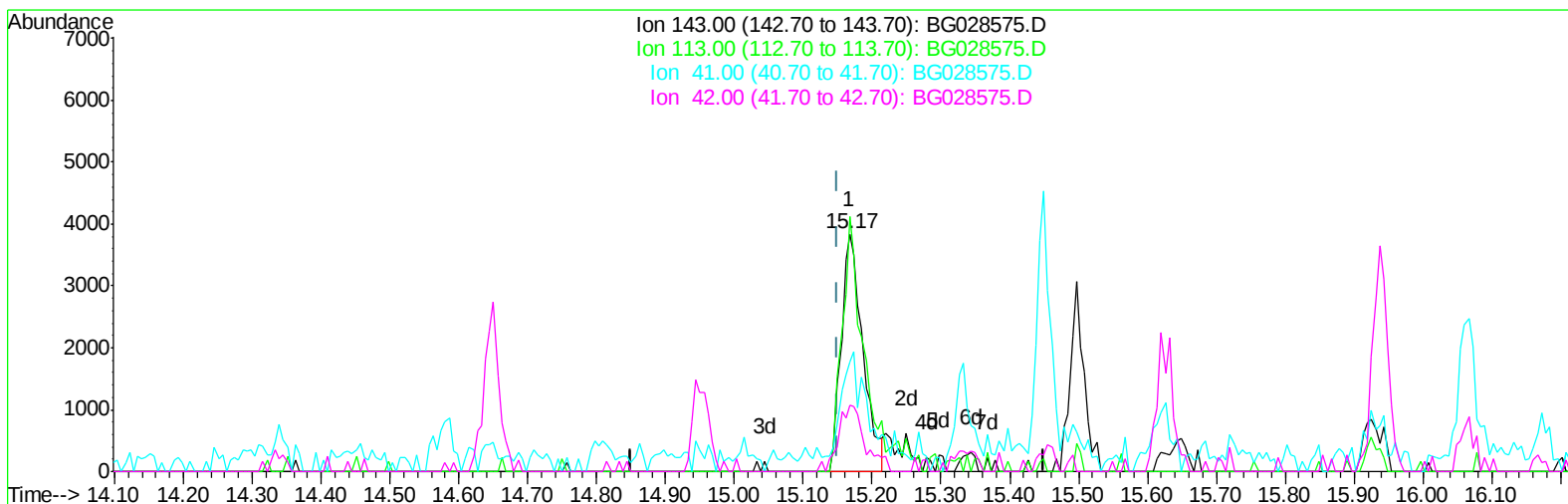
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:03:03 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(51) 4-Nitrophenol-d4 (S)

15.168min (+0.017) 6.30ng/ul

response 8389

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 117.30 | 107.58 |
| 41.00  | 58.00  | 46.12# |
| 42.00  | 42.20  | 27.93# |

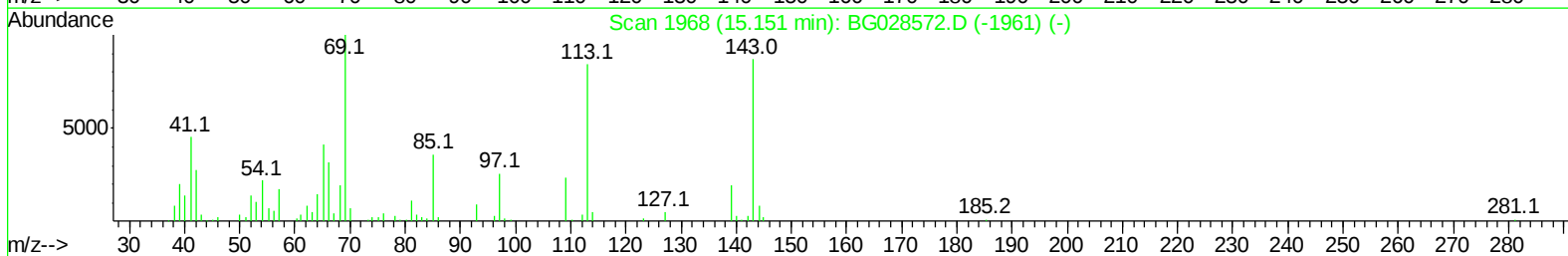
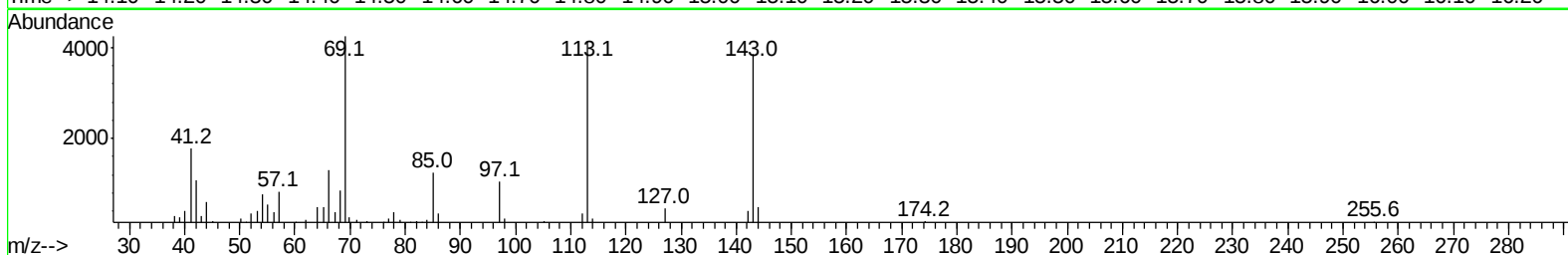
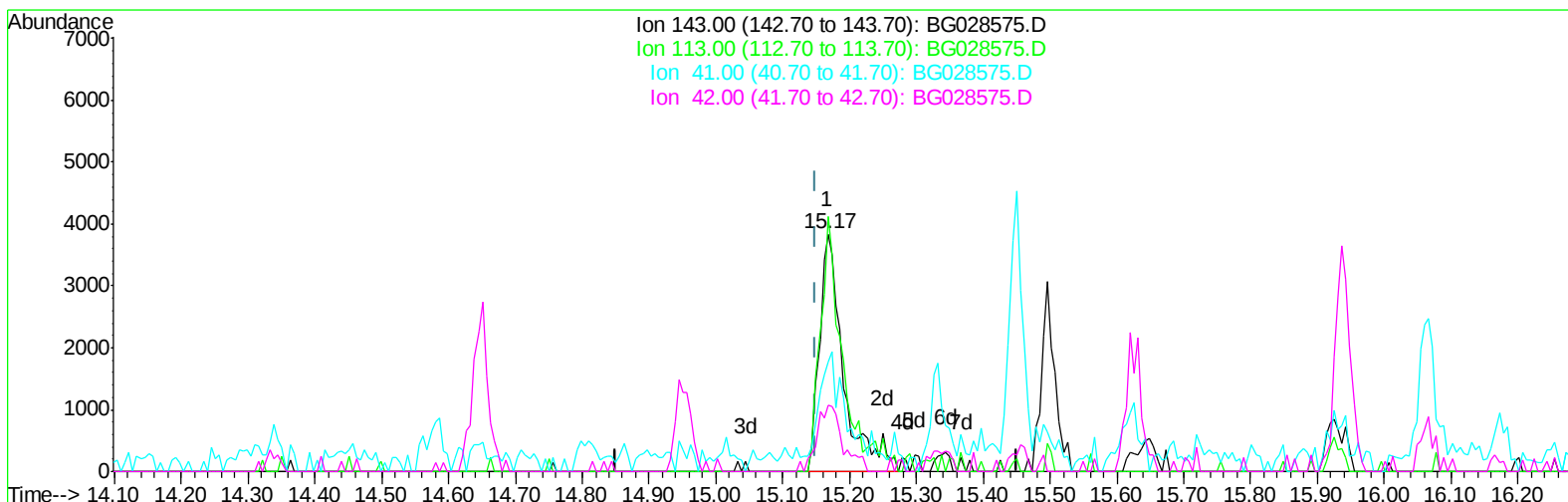
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:03:03 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(51) 4-Nitrophenol-d4 (S)

15.168min (+0.017) 7.18ng/ul m

response 9560

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 117.30 | 107.58 |
| 41.00  | 58.00  | 46.12# |
| 42.00  | 42.20  | 27.93# |

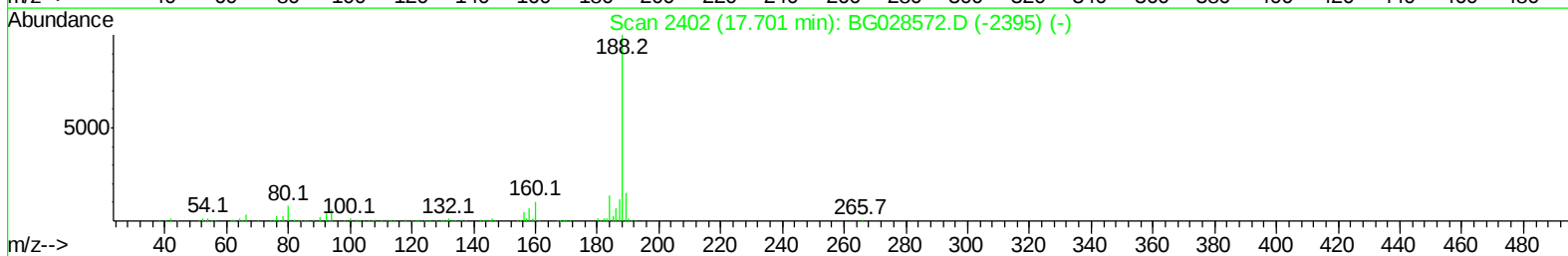
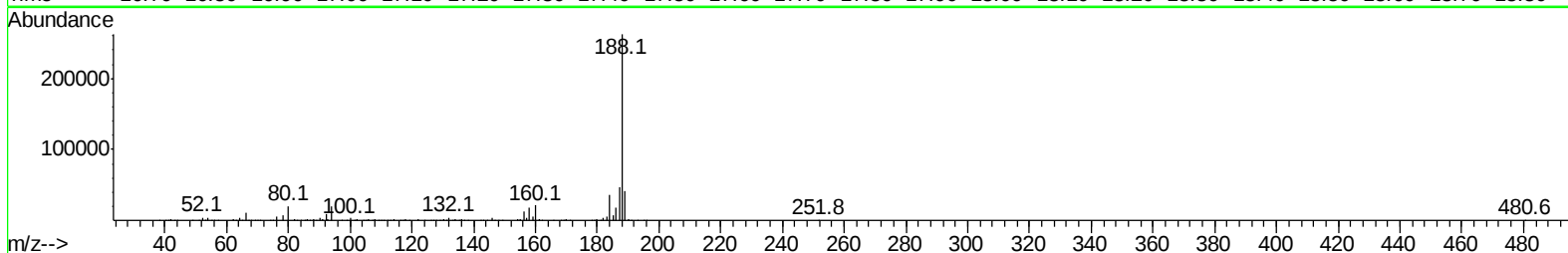
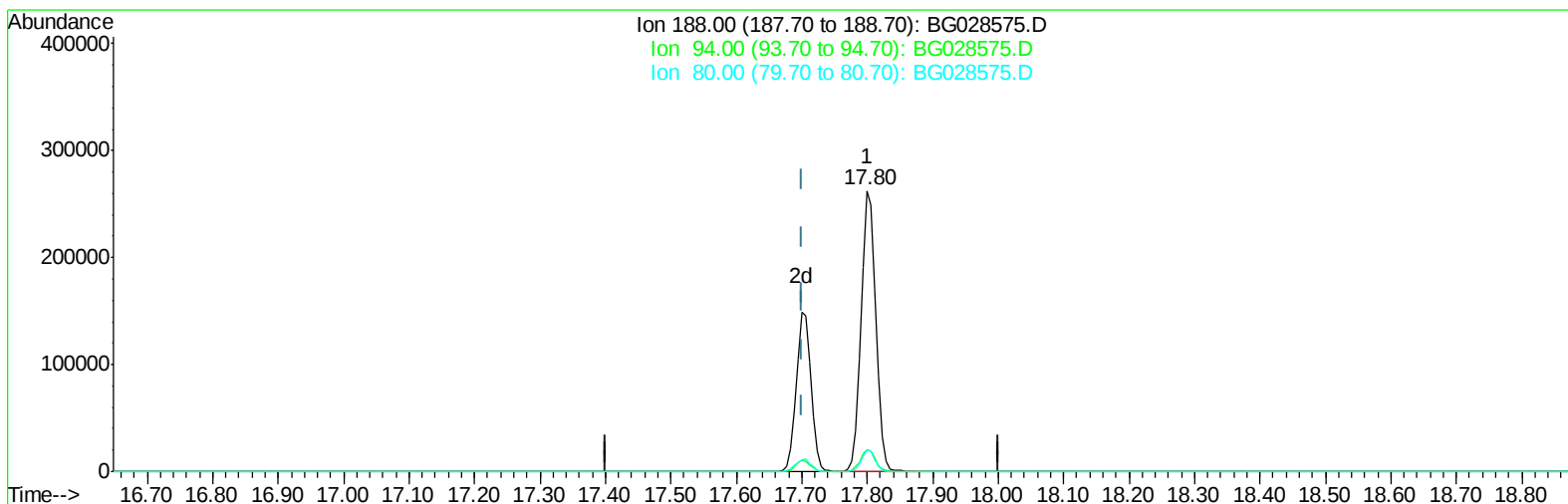
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:25:25 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(61) Phenanthrene-d10 (I)

17.800min (+0.099) 20.00ng/ul

response 411131

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 8.80 | 7.62 |
| 80.00  | 9.50 | 7.78 |
| 0.00   | 0.00 | 0.00 |

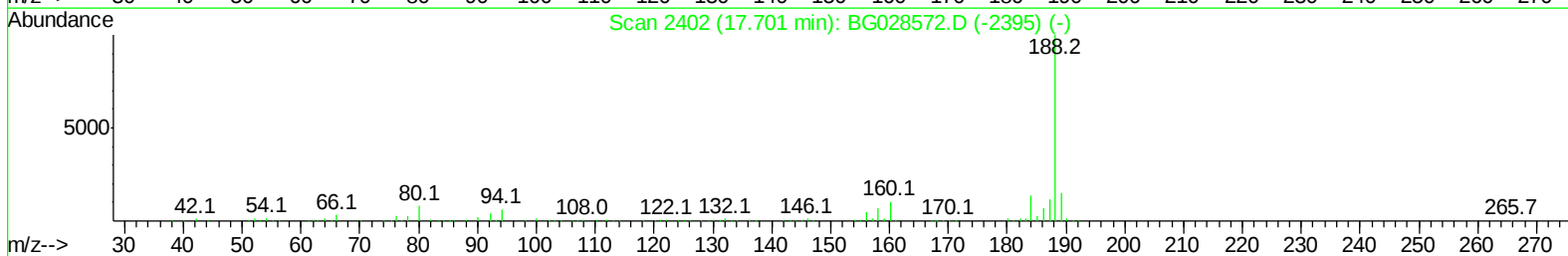
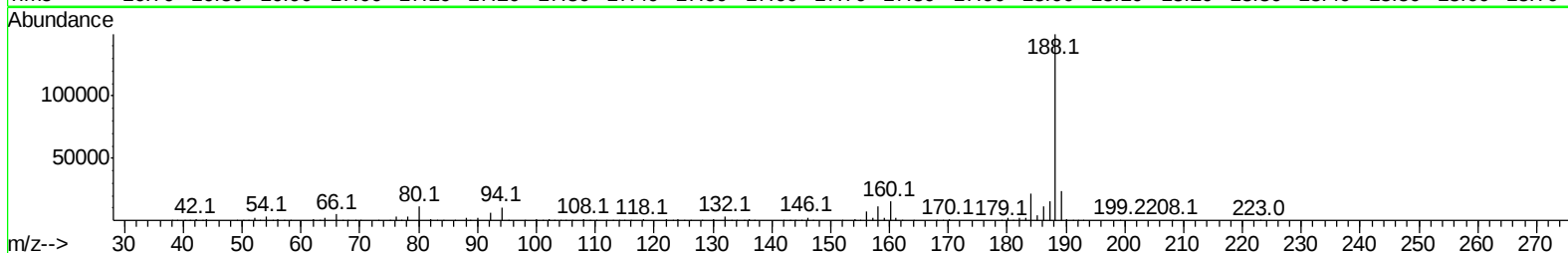
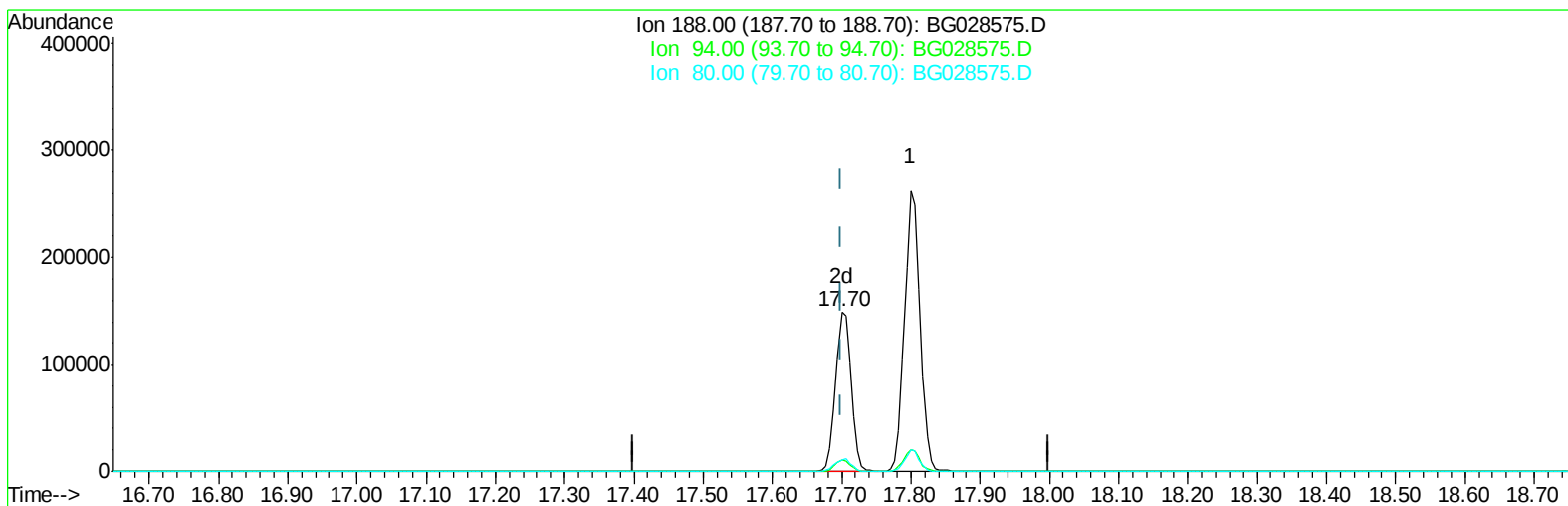
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:25:25 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(61) Phenanthrene-d10 (I)

17.700min (-0.001) 20.00ng/ul m

response 234019

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 8.80 | 7.08  |
| 80.00  | 9.50 | 7.41# |
| 0.00   | 0.00 | 0.00  |

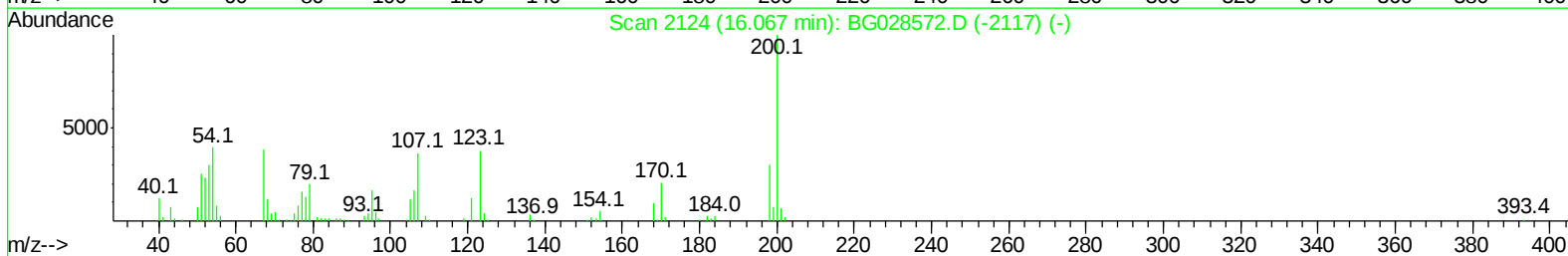
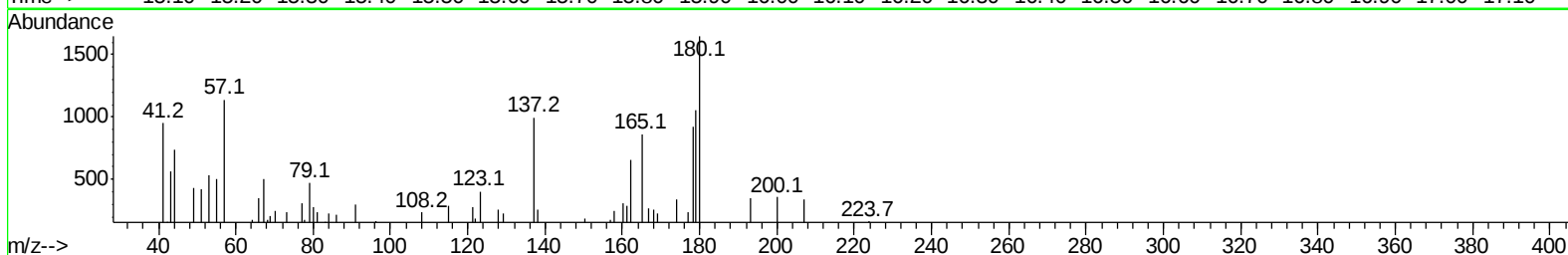
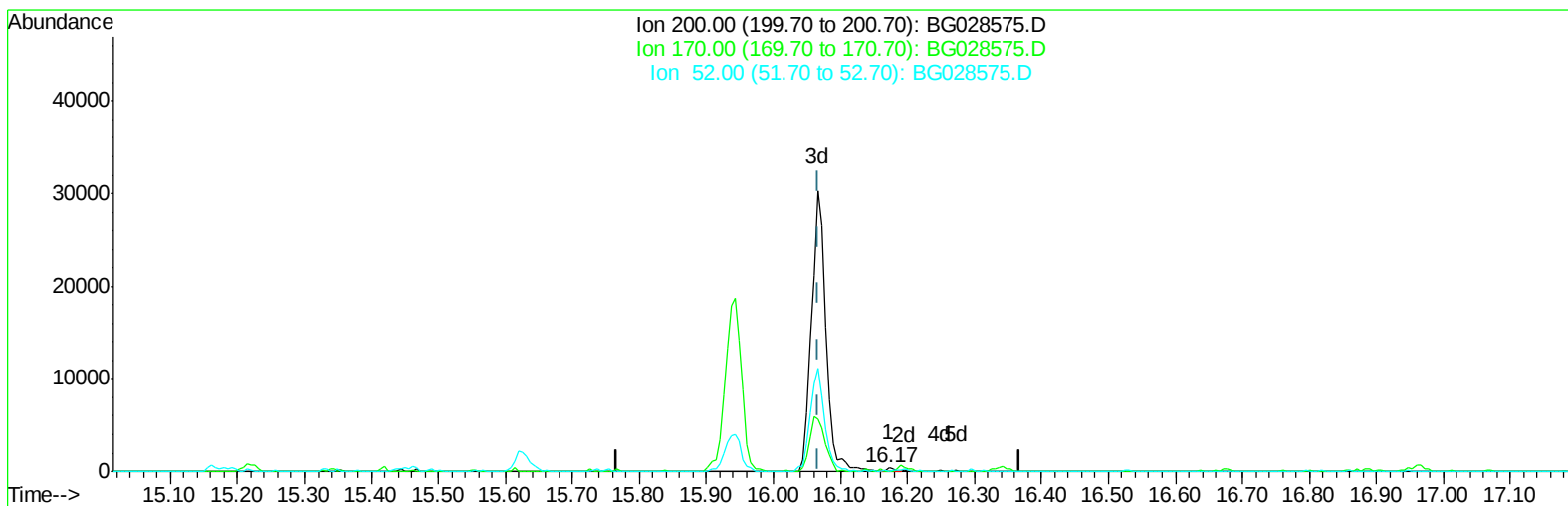
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:26:21 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.172min (+0.105) 0.14ng/ul

response 207

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 23.20 | 0.00# |
| 52.00  | 47.20 | 0.00# |
| 0.00   | 0.00  | 0.00  |

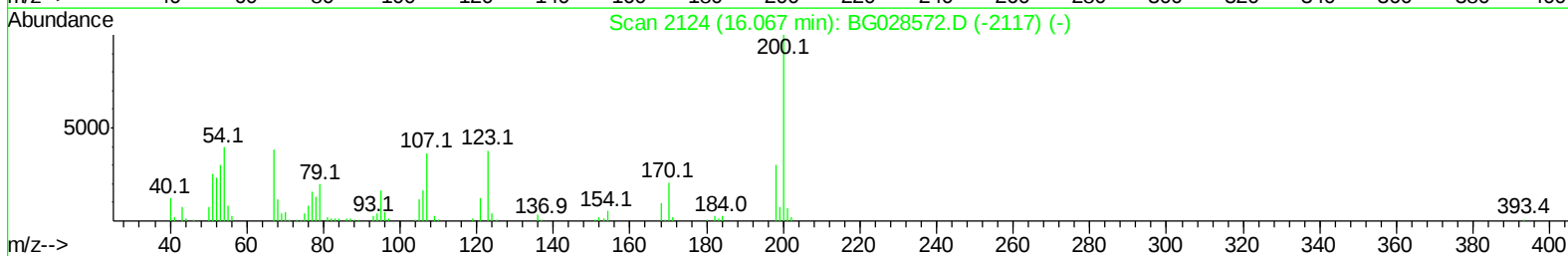
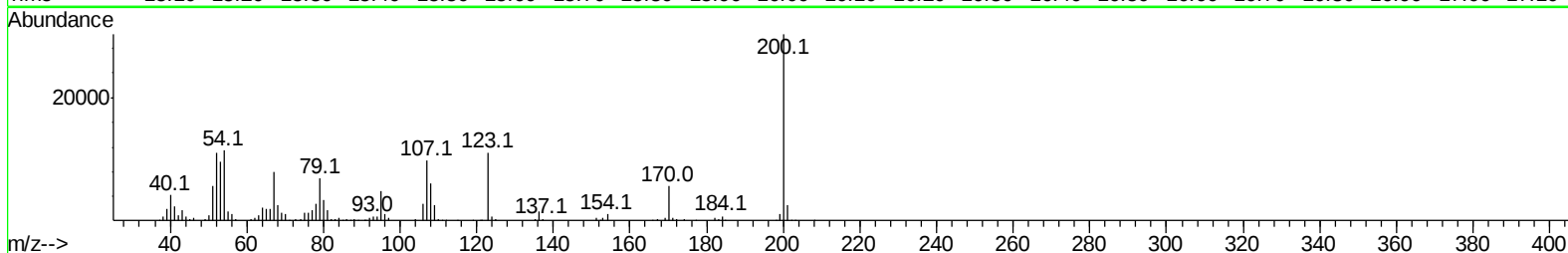
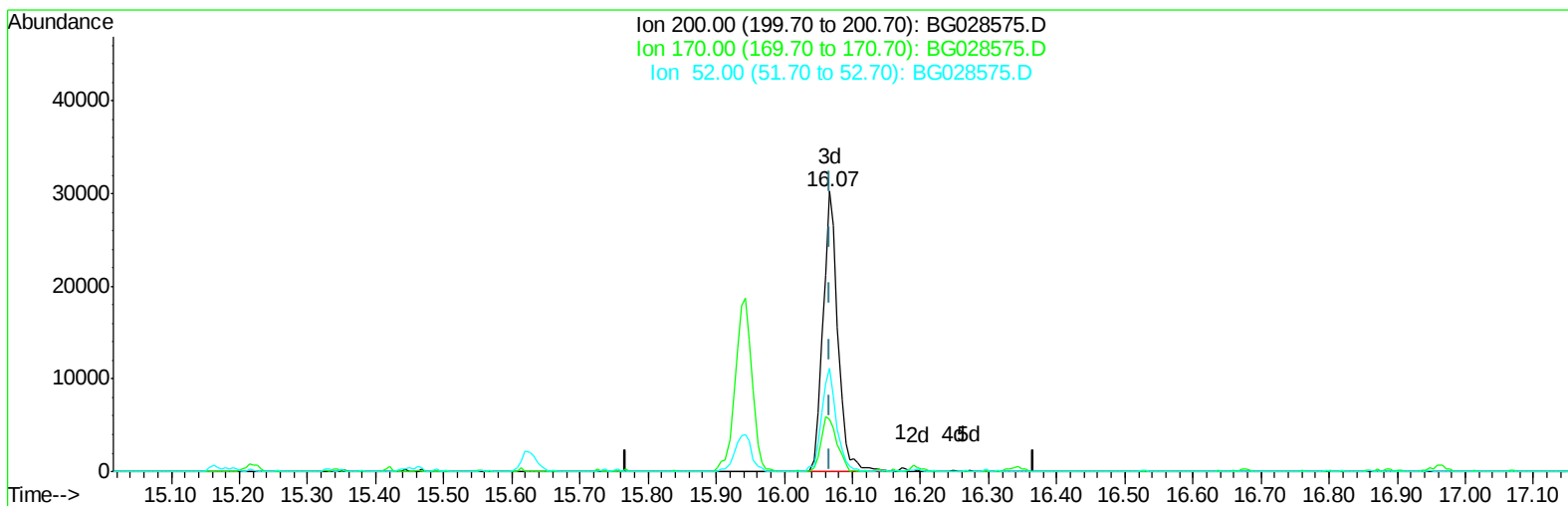
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:26:21 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.066min (-0.001) 30.66ng/ul m

response 46611

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 23.20 | 18.61  |
| 52.00  | 47.20 | 36.90# |
| 0.00   | 0.00  | 0.00   |

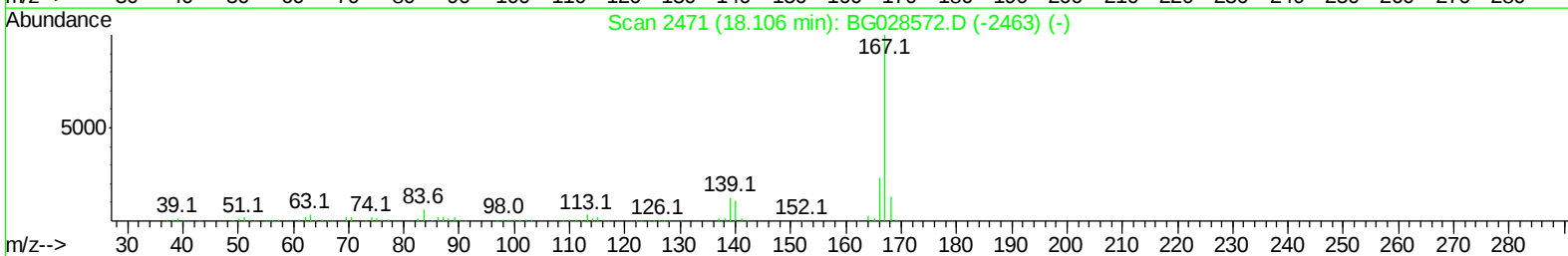
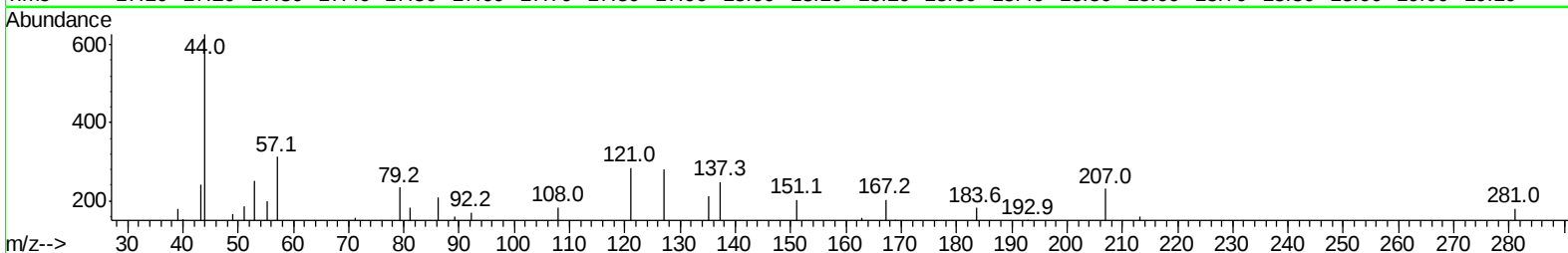
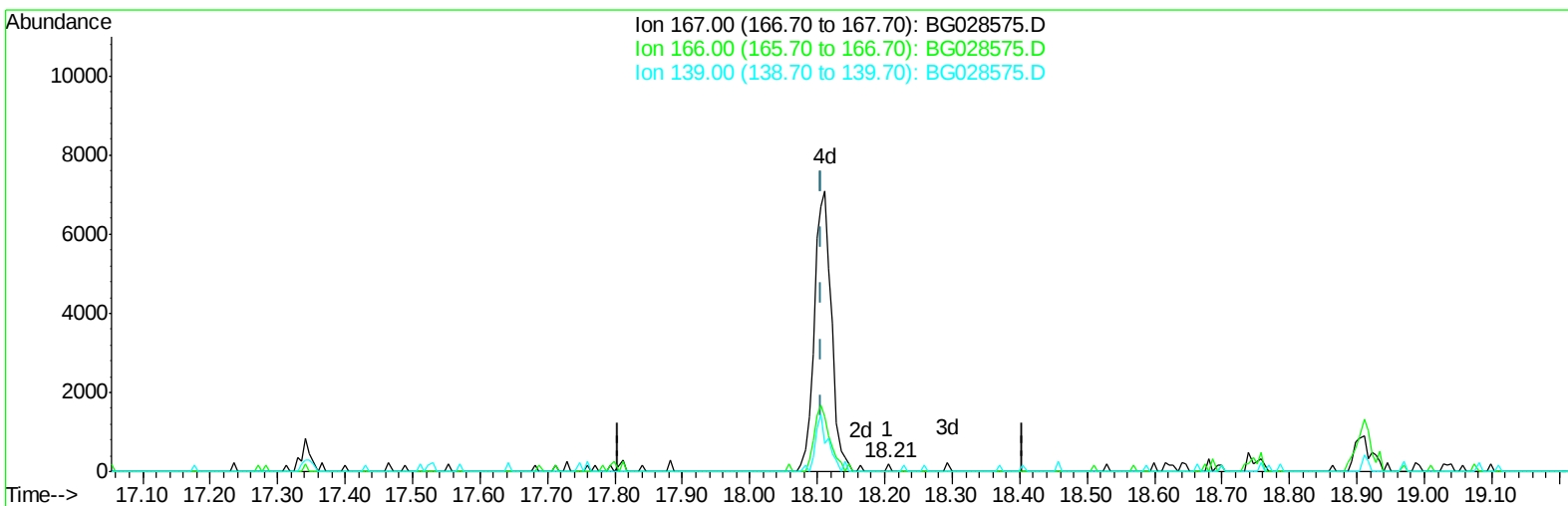
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:26:56 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(72) Carbazole

18.205min (+0.099) 0.01ng/ul

response 72

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 167.00 | 100   | 100   |
| 166.00 | 22.40 | 0.00# |
| 139.00 | 13.10 | 0.00# |
| 0.00   | 0.00  | 0.00  |

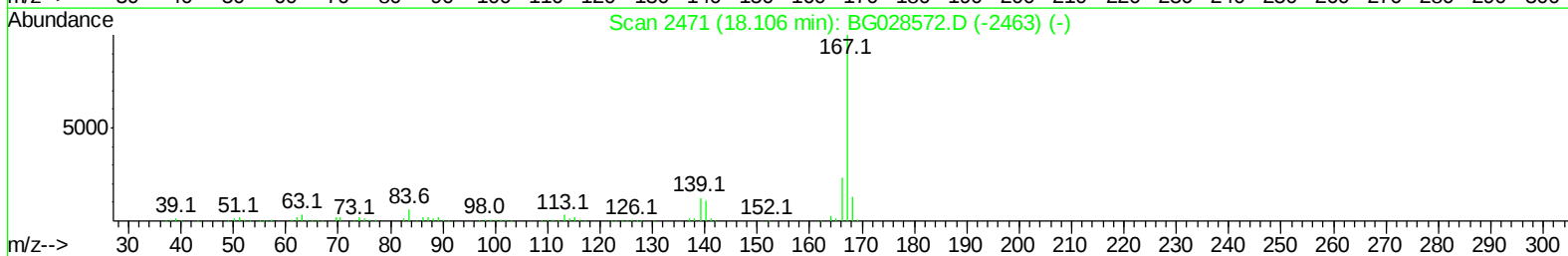
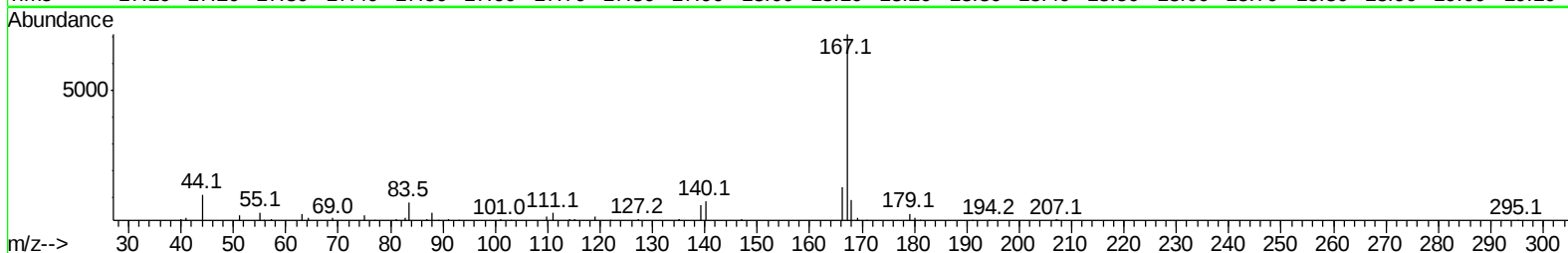
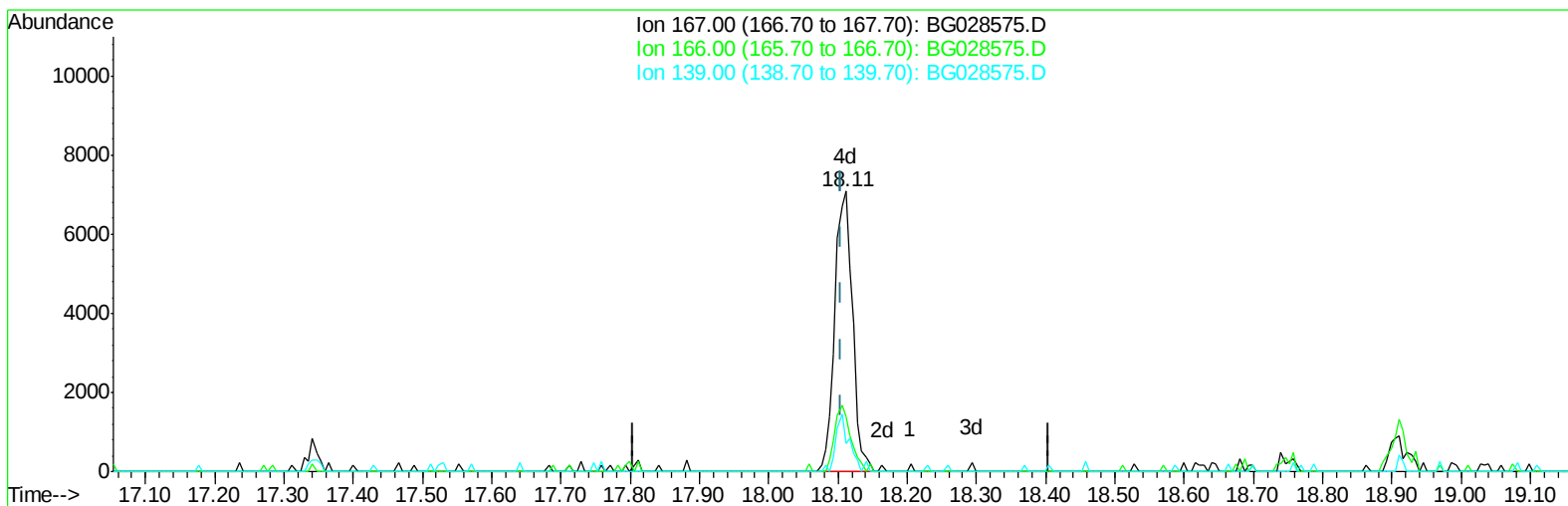
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:26:56 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(72) Carbazole

18.111min (+0.005) 1.21ng/ul m

response 12685

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 167.00 | 100   | 100   |
| 166.00 | 22.40 | 19.35 |
| 139.00 | 13.10 | 9.92# |
| 0.00   | 0.00  | 0.00  |

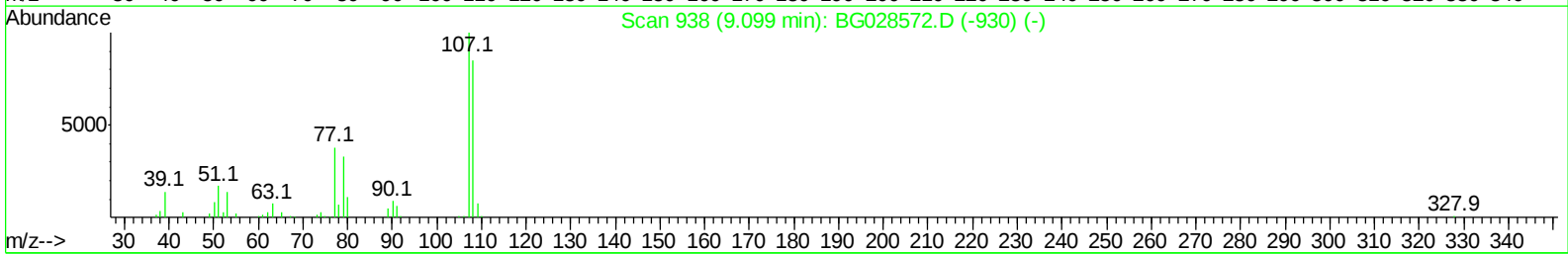
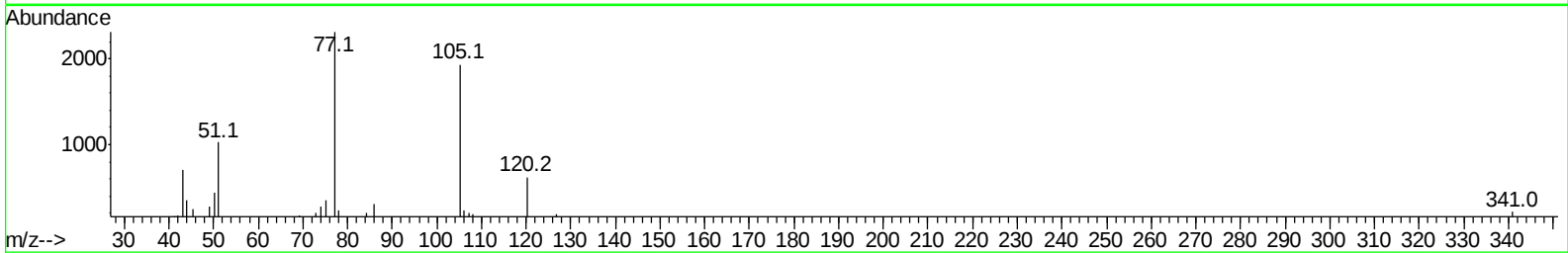
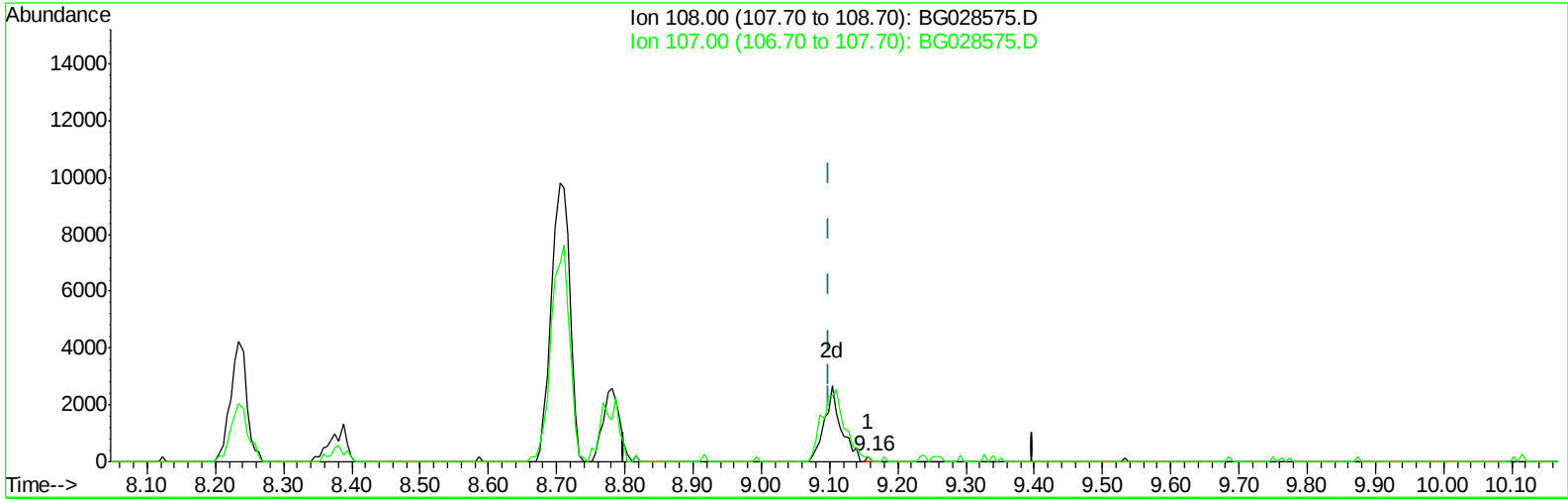
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:29:59 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(16) 4-Methylphenol

9.157min (+0.058) 0.02ng/ul

response 65

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 108.00 | 100    | 100    |
| 107.00 | 114.60 | 108.74 |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

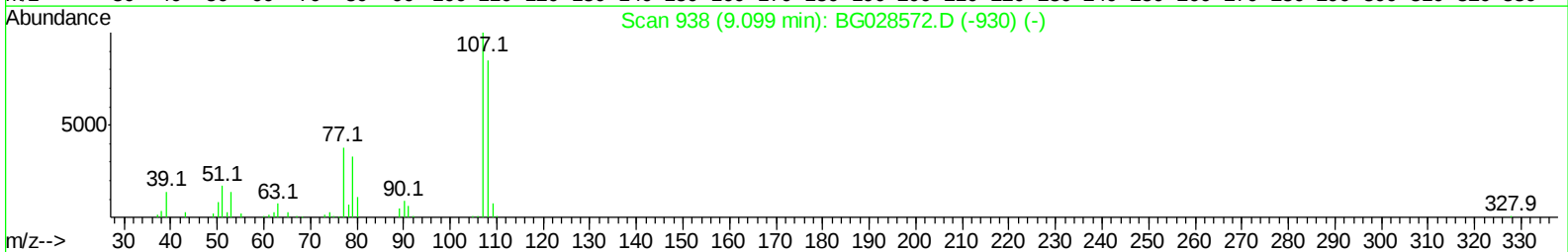
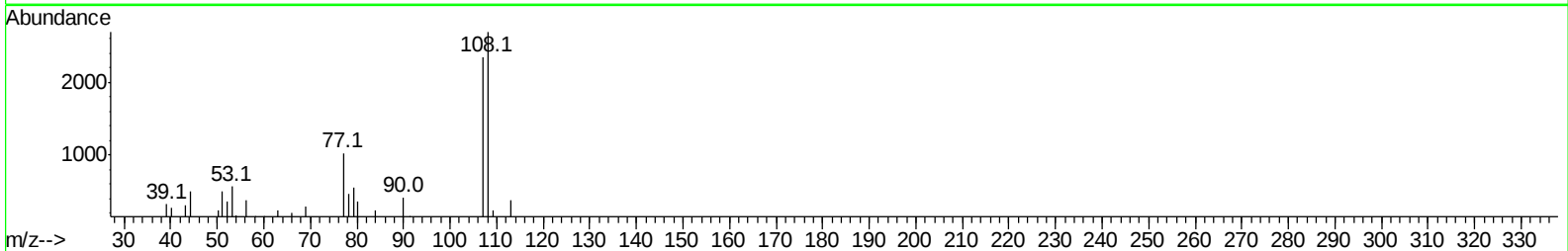
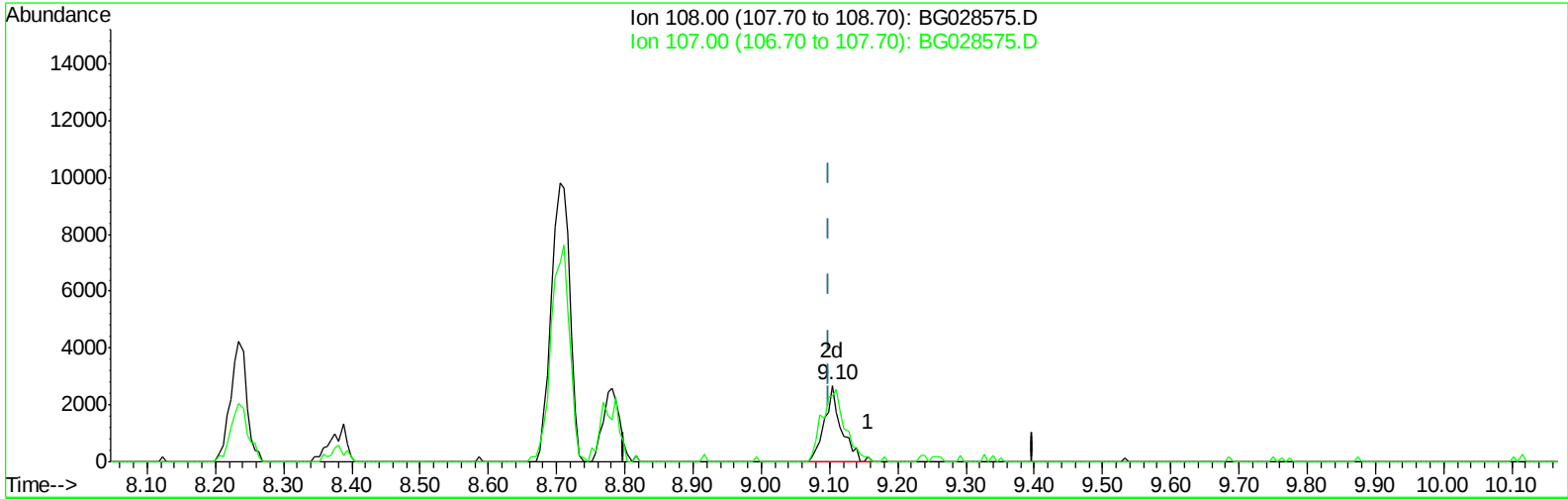
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:29:59 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration



TIC: BG028575.D

(16) 4-Methylphenol

9.104min (+0.005) 1.50ng/ul m

response 4600

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 108.00 | 100    | 100    |
| 107.00 | 114.60 | 86.96# |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090517\  
 Data File : BG028575.D  
 Acq On : 5 Sep 2017 12:21  
 Operator : SJ/JU  
 Sample : I4960-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 5-POST1

Manual Integrations  
 APPROVED

Sohil  
 9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:34:14 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 06 04:00:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.34  | 152  | 35159    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.20 | 136  | 141479   | 20.00 | ng/ul | 0.04     |
| 35) Acenaphthene-d10      | 14.95 | 164  | 94108    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.70 | 188  | 234019m  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 22.04 | 240  | 289875   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.55 | 264  | 286667   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |       |       |
|--------------------------------|-------|-----|--------|--------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.79  | 96  | 111529 | 147.72 | ng/uL | -0.03 |
| 5) Phenol-d5                   | 7.49  | 99  | 26810  | 6.94   | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.66  | 67  | 69698  | 28.50  | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 67102  | 27.55  | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.04  | 113 | 47731  | 14.79  | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.52  | 128 | 42017  | 37.98  | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.24 | 143 | 48013  | 39.58  | ng/ul | 0.01  |
| 26) 2,4-Dichlorophenol-d3      | 10.80 | 165 | 83221  | 33.16  | ng/ul | 0.02  |
| 29) 4-Chloroaniline-d4         | 11.31 | 131 | 103074 | 36.90  | ng/ul | 0.02  |
| 43) Dimethylphthalate-d6       | 14.34 | 166 | 274312 | 32.77  | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.65 | 160 | 331281 | 35.10  | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.17 | 143 | 9560m  | 7.18   | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.94 | 176 | 242214 | 32.26  | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.07 | 200 | 46611m | 30.66  | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.80 | 188 | 411131 | 36.64  | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 20.08 | 212 | 499503 | 33.60  | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 25.31 | 264 | 483932 | 36.06  | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 11) 2-Methylphenol             | 8.78  | 108 | 4449   | 1.642  | ng/ul# | 61 |
| 16) 4-Methylphenol             | 9.10  | 108 | 4600m  | 1.504  | ng/ul  |    |
| 28) Naphthalene                | 11.24 | 128 | 110749 | 15.805 | ng/ul  | 95 |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.16 | 216 | 60529  | 19.954 | ng/ul# | 97 |
| 39) 2,4,5-Trichlorophenol      | 13.48 | 196 | 16824  | 8.164  | ng/ul  | 93 |
| 72) Carbazole                  | 18.11 | 167 | 12685m | 1.212  | ng/ul  |    |

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090517\  
Data File : BG028575.D  
Acq On : 5 Sep 2017 12:21  
Operator : SJ/JU  
Sample : I4960-02  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
5-POST1

Manual Integrations  
APPROVED

Sohil  
9/6/2017 5:13:14 PM

Quant Time: Sep 06 04:34:14 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Sep 06 04:00:37 2017  
Response via : Initial Calibration

