

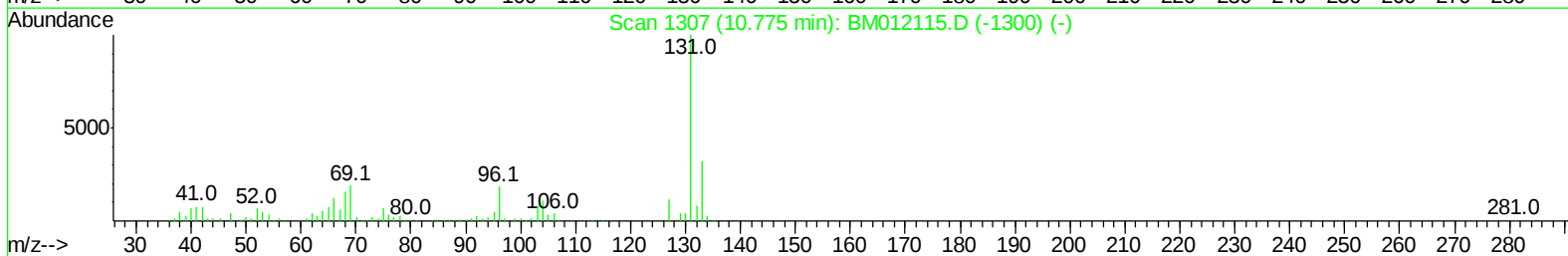
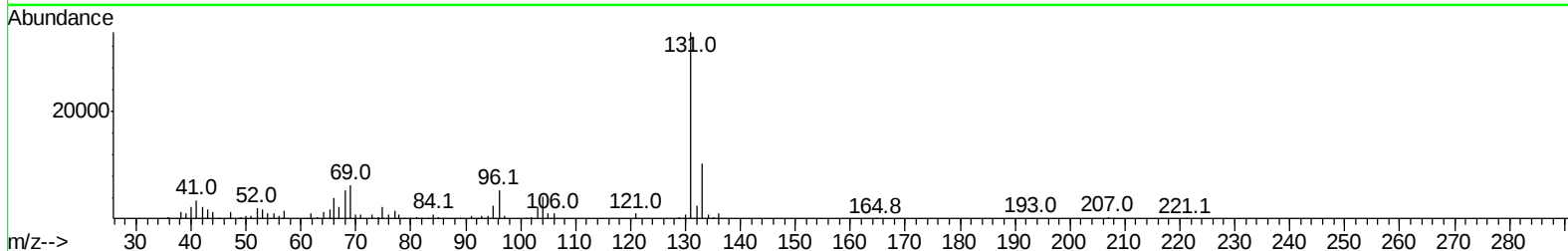
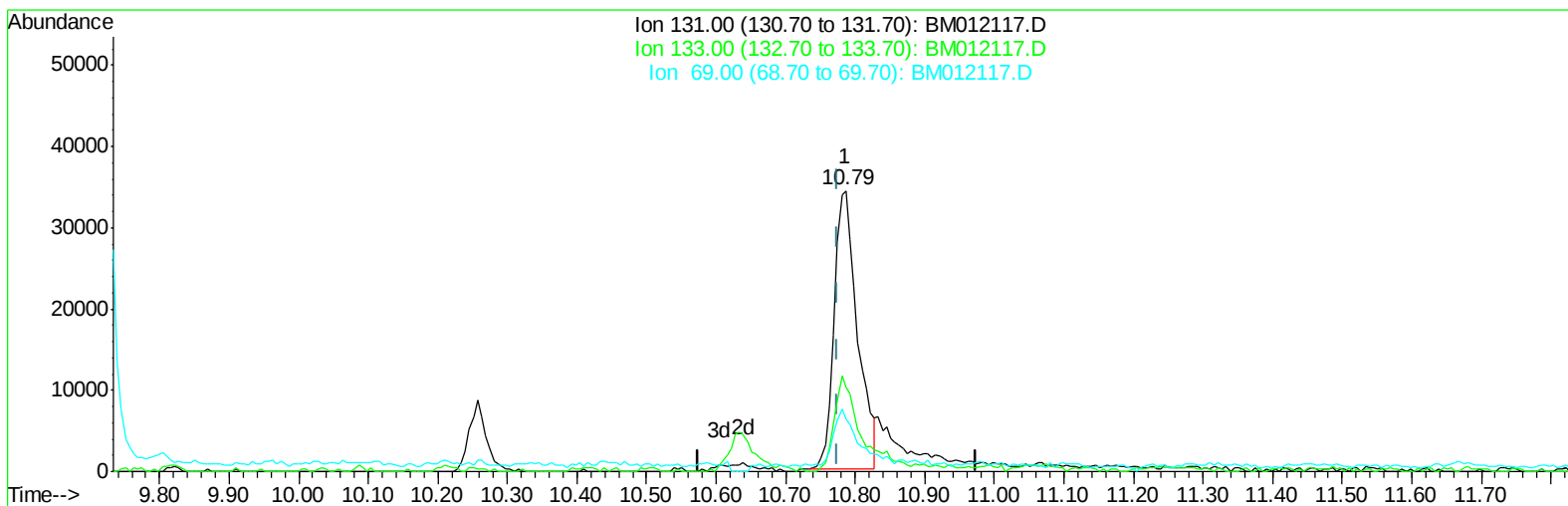
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Quant Time: Oct 13 05:05:08 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM



TIC: BM012117.D

(29) 4-Chloroaniline-d4 (S)  
10.786min (+0.012) 4.53ng/ul  
response 79562

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 30.13  |
| 69.00  | 24.30 | 18.85# |
| 0.00   | 0.00  | 0.00   |

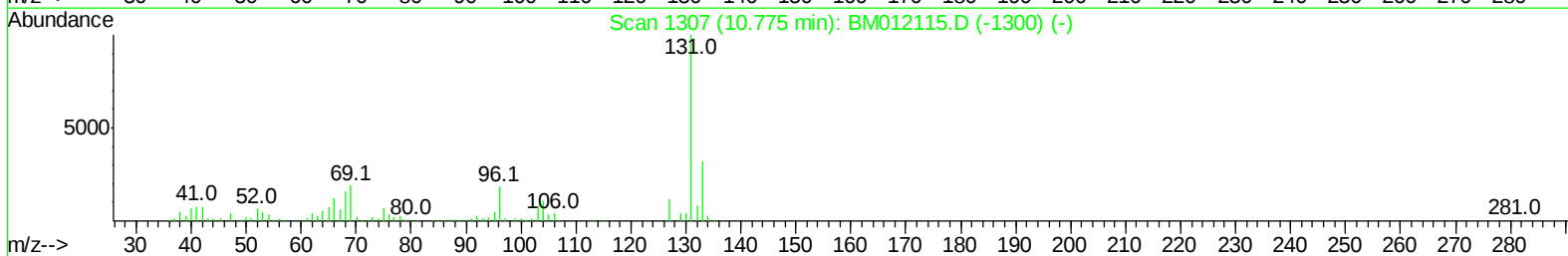
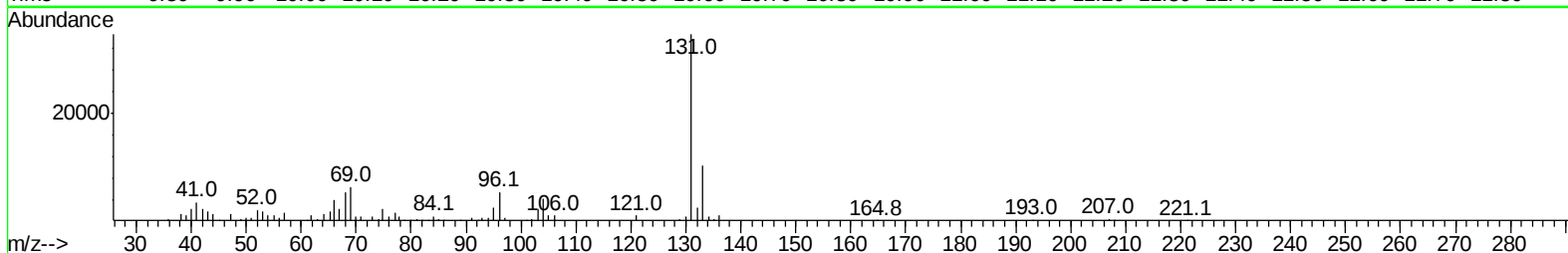
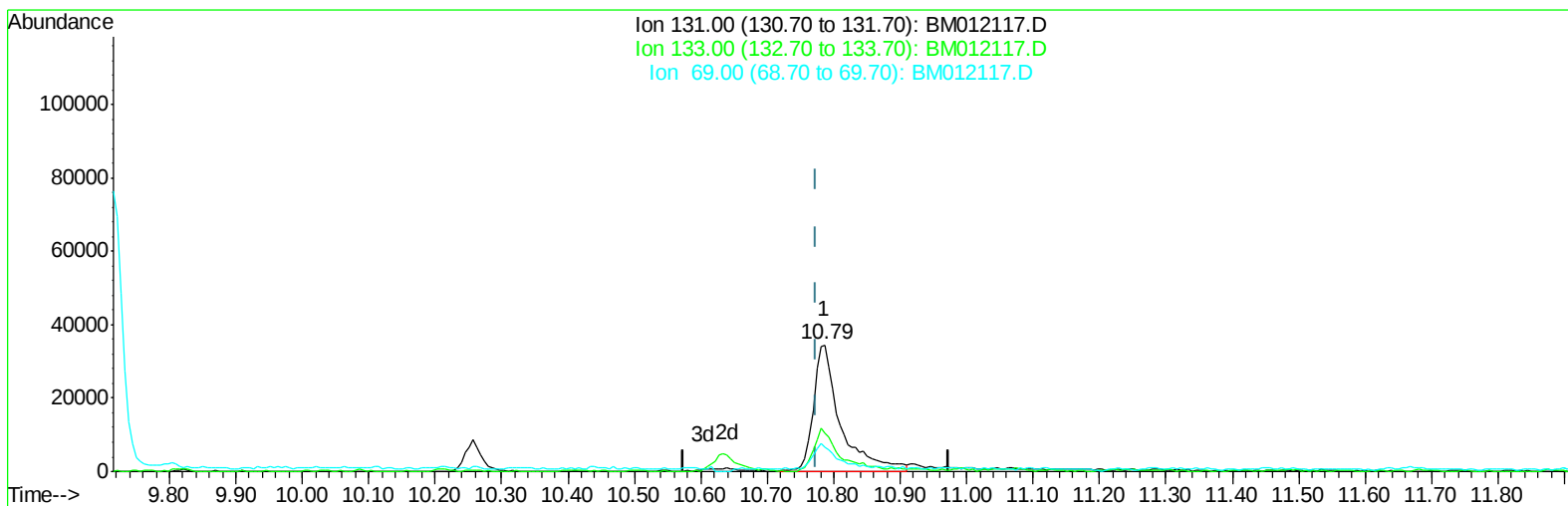
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:05:08 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(29) 4-Chloroaniline-d4 (S)

10.786min (+0.012) 5.60ng/ul m

response 98349

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 131.00 | 100   | 100    |
| 133.00 | 31.40 | 30.13  |
| 69.00  | 24.30 | 18.85# |
| 0.00   | 0.00  | 0.00   |

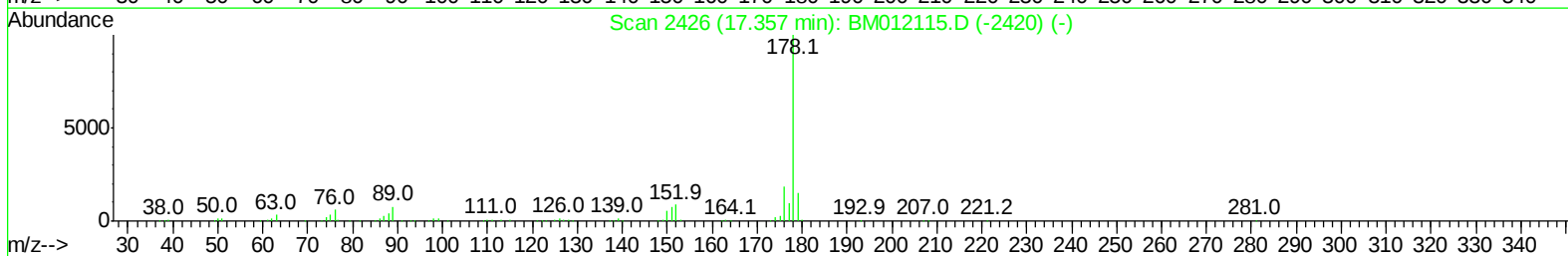
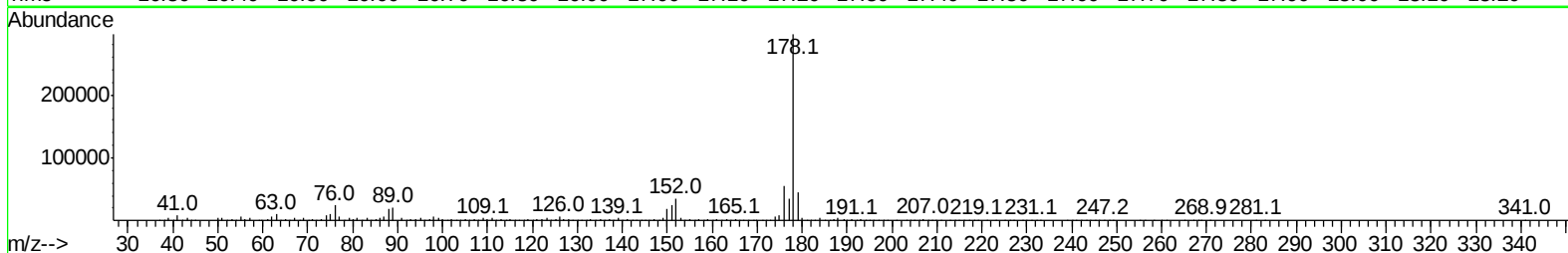
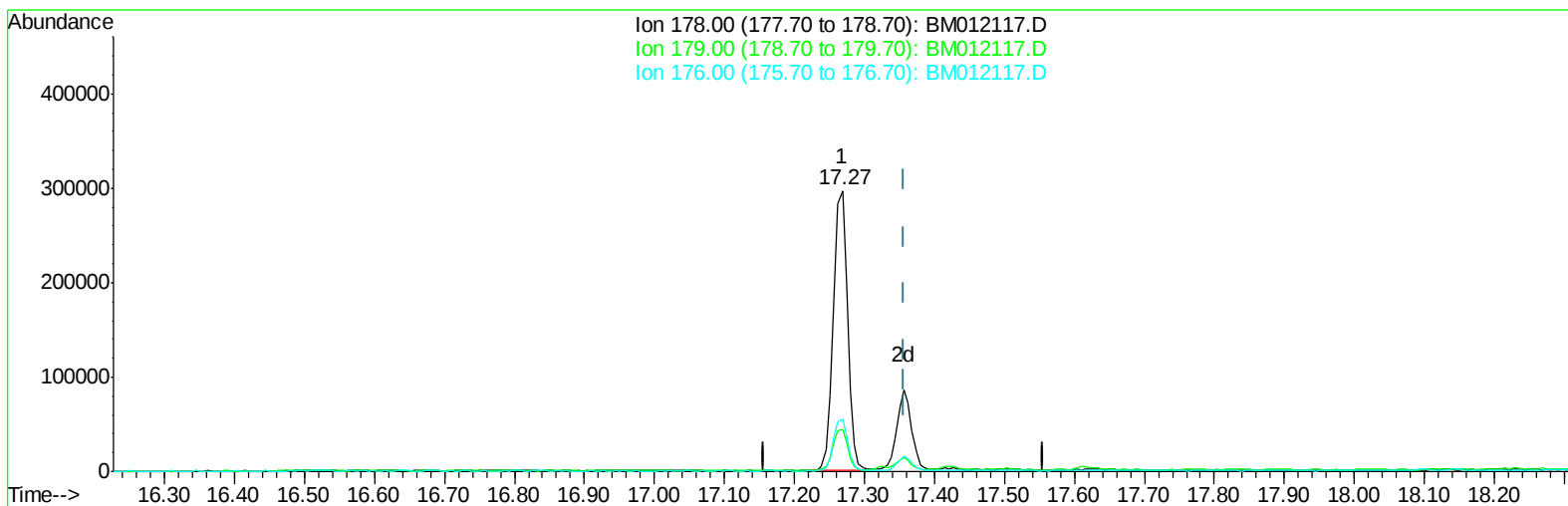
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(71) Anthracene

17.268min (-0.088) 5.81ng/ul

response 419557

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 14.60 | 14.95 |
| 176.00 | 18.20 | 18.44 |
| 0.00   | 0.00  | 0.00  |

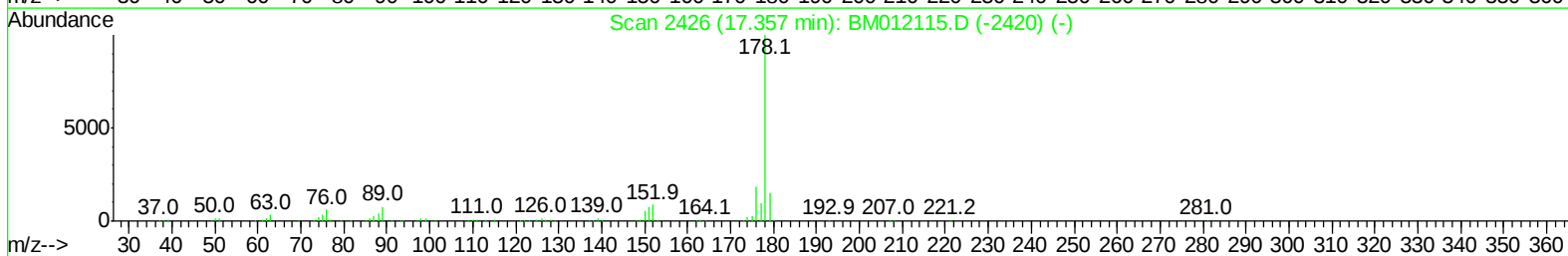
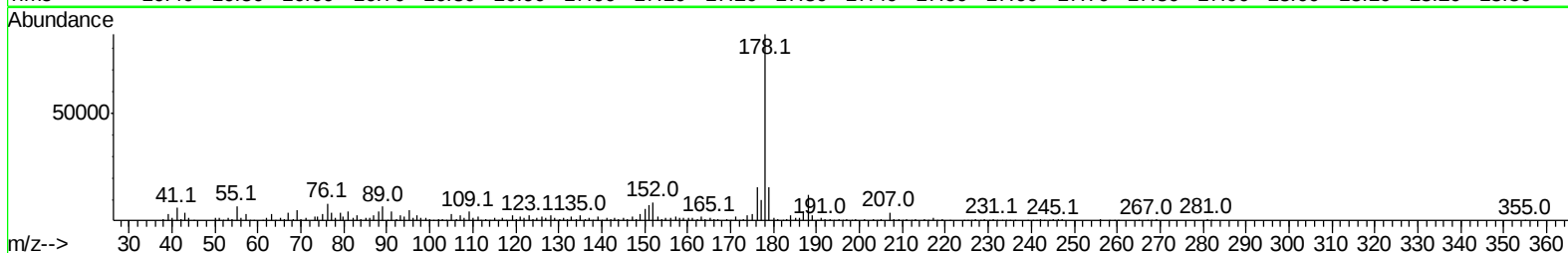
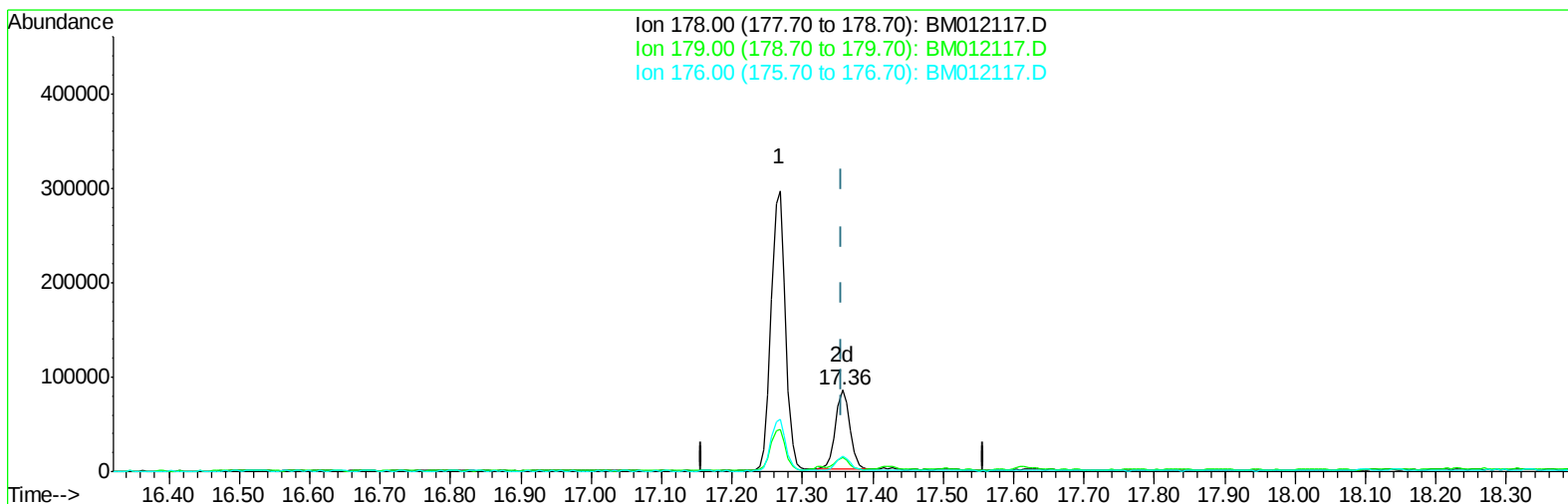
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(71) Anthracene

17.356min (-0.000) 1.65ng/ul m

response 118841

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 178.00 | 100   | 100    |
| 179.00 | 14.60 | 18.03# |
| 176.00 | 18.20 | 18.20  |
| 0.00   | 0.00  | 0.00   |

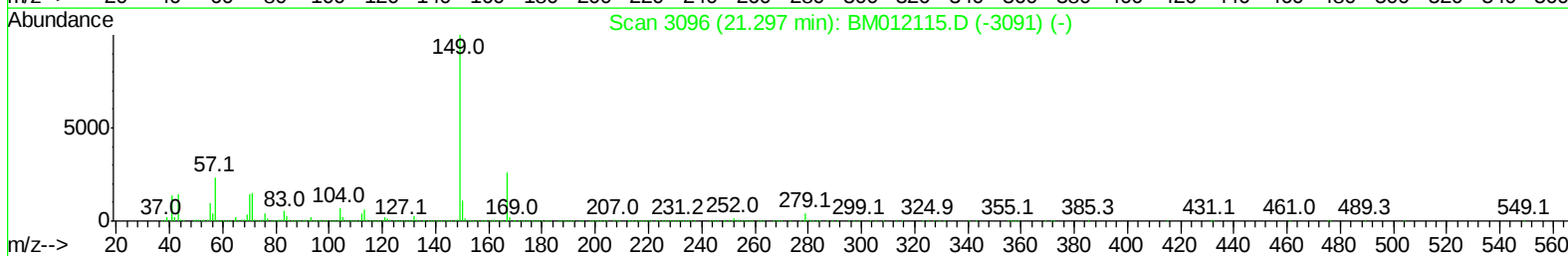
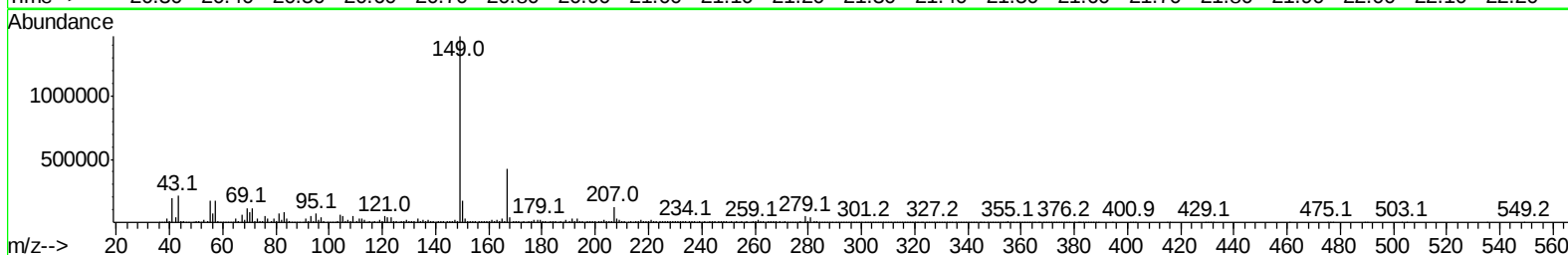
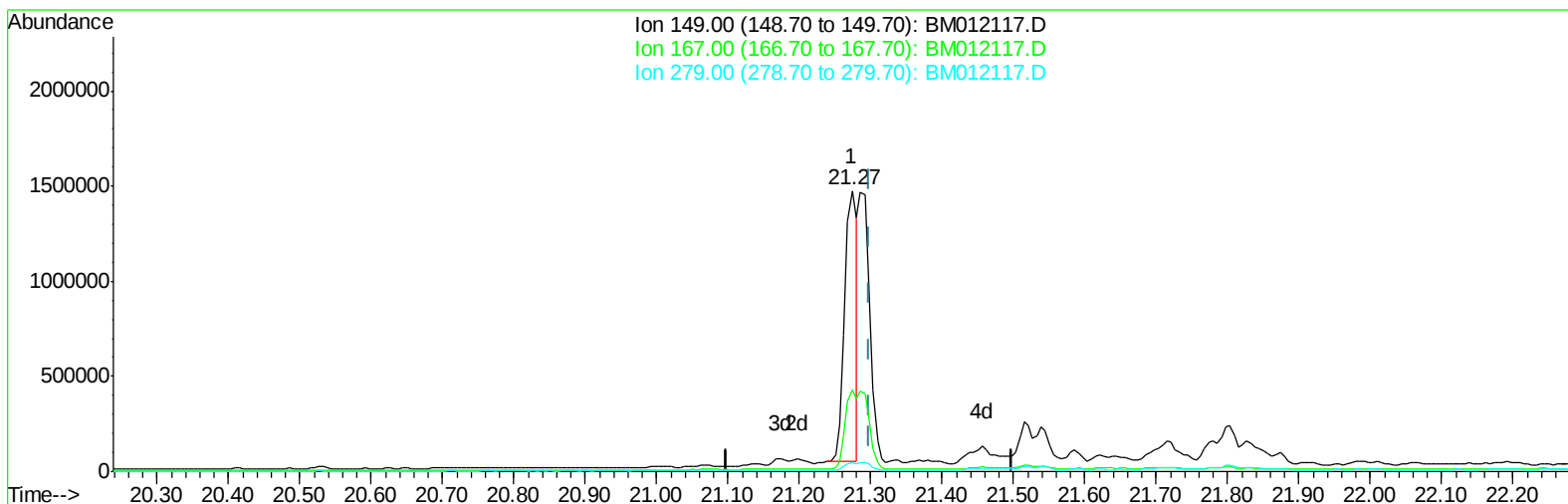
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(81) Bis(2-ethylhexyl)phthalate

21.274min (-0.024) 28.48ng/ul

response 1715233

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 149.00 | 100   | 100   |
| 167.00 | 28.50 | 28.96 |
| 279.00 | 6.10  | 3.26# |
| 0.00   | 0.00  | 0.00  |

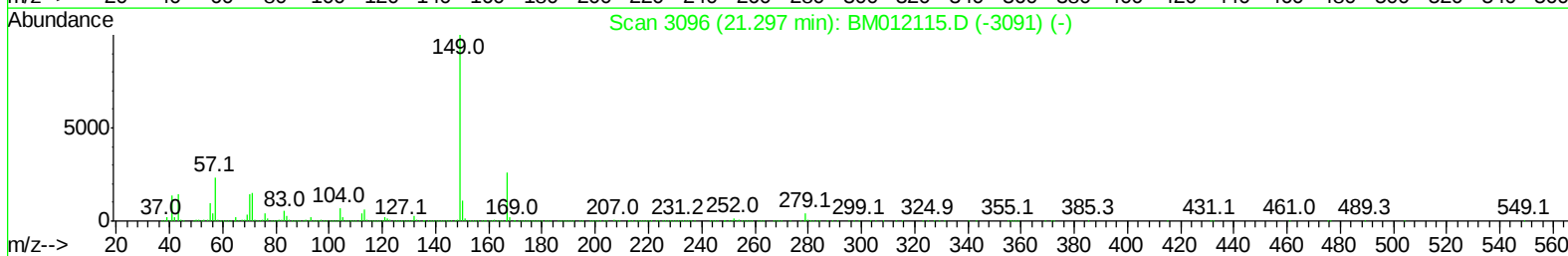
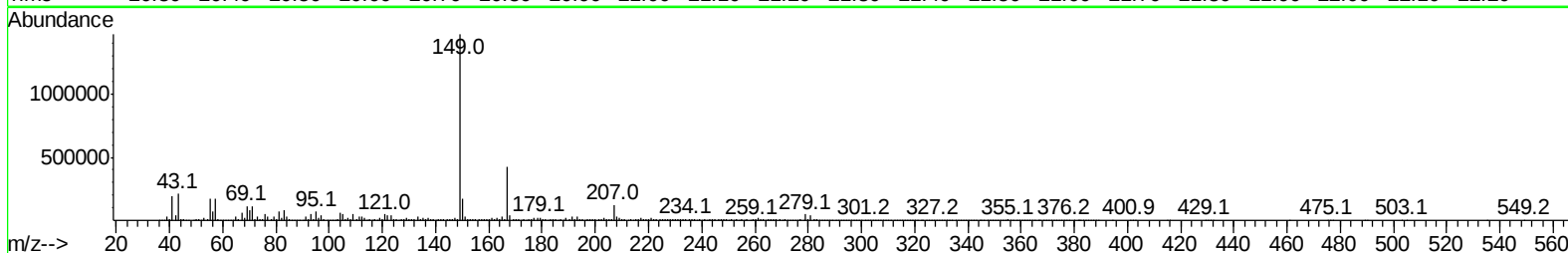
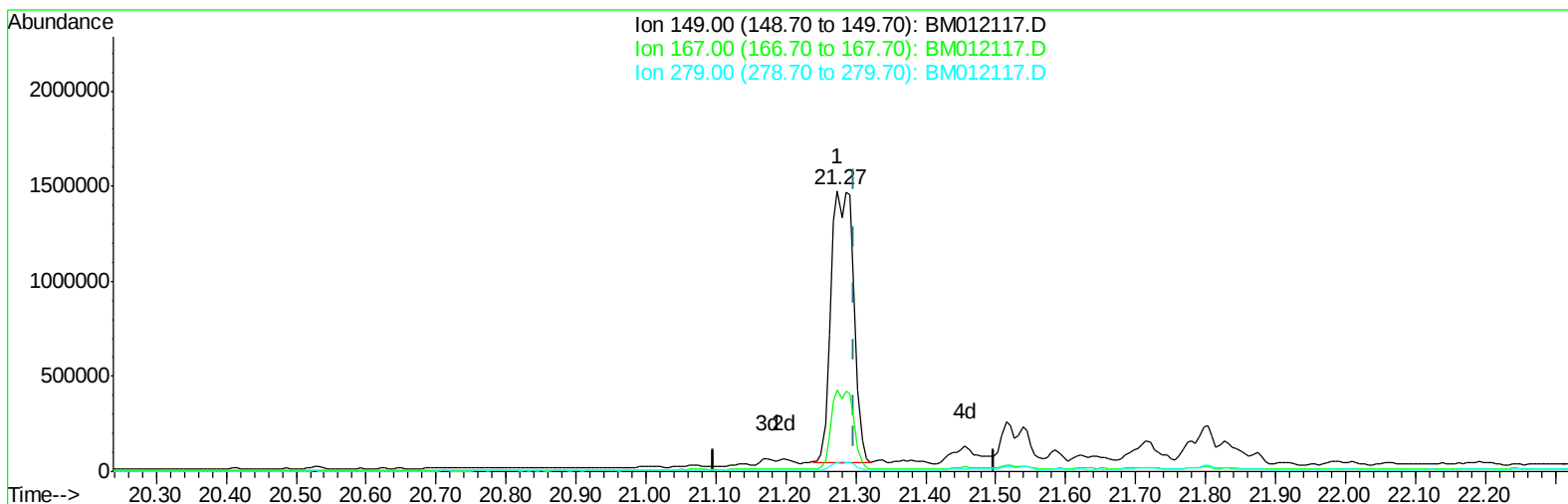
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(81) Bis(2-ethylhexyl)phthalate  
21.274min (-0.024) 53.57ng/ul m

response 3226198

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 149.00 | 100   | 100   |
| 167.00 | 28.50 | 28.96 |
| 279.00 | 6.10  | 3.26# |
| 0.00   | 0.00  | 0.00  |

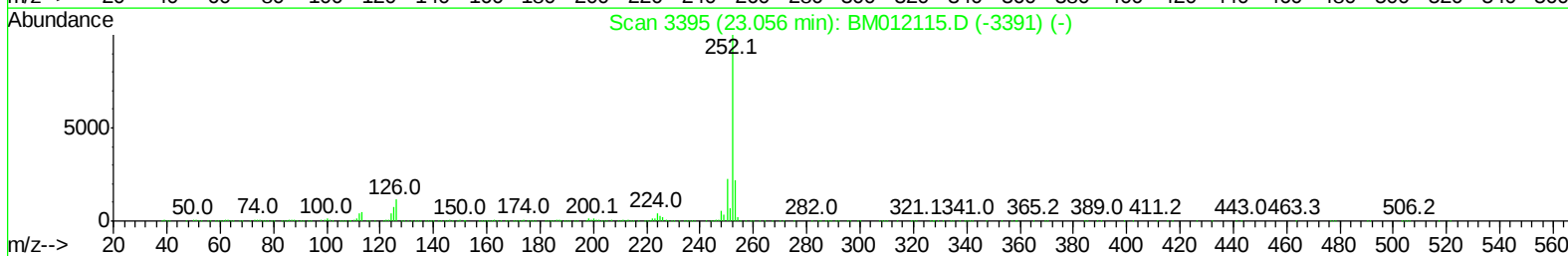
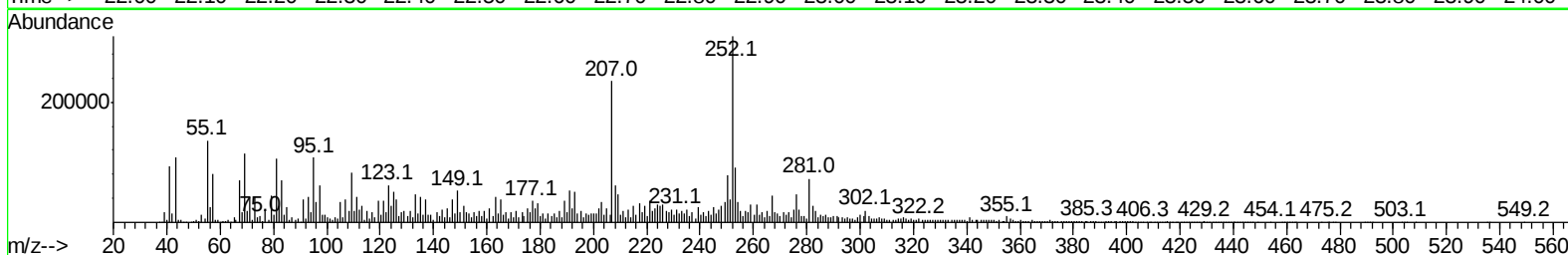
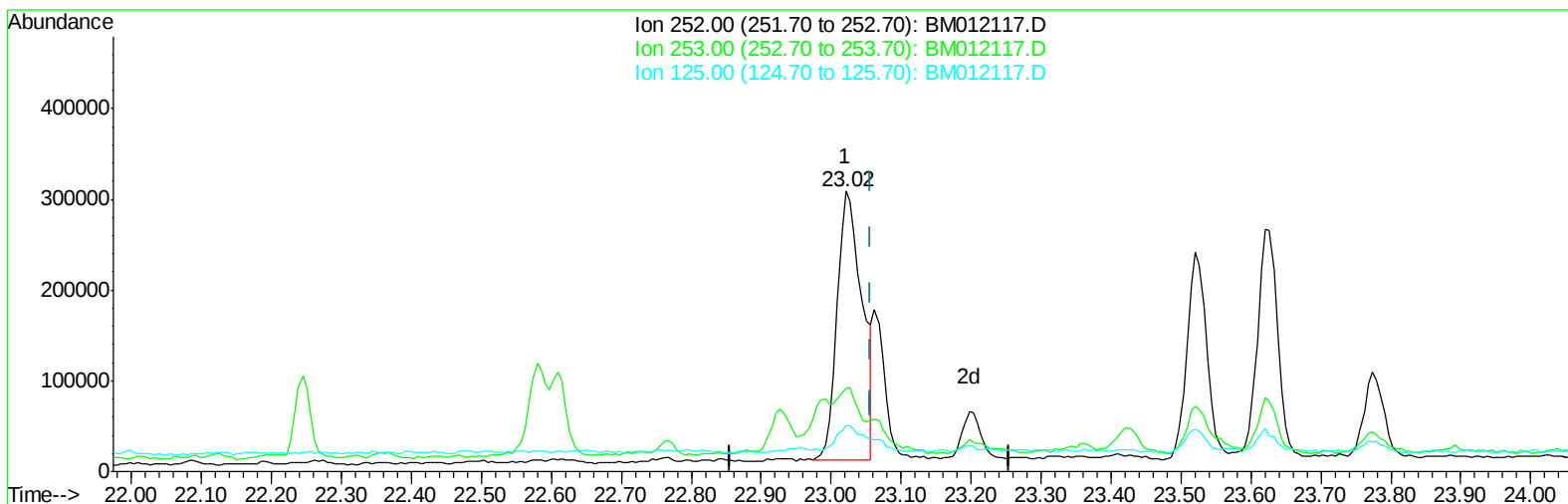
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(86) Benzo(k)fluoranthene

23.021min (-0.035) 7.63ng/ul

response 738825

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 29.55# |
| 125.00 | 4.30  | 16.40# |
| 0.00   | 0.00  | 0.00   |

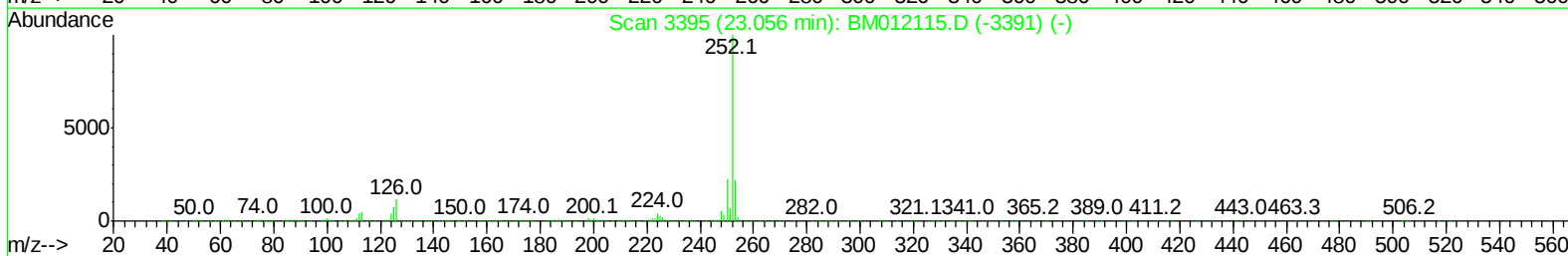
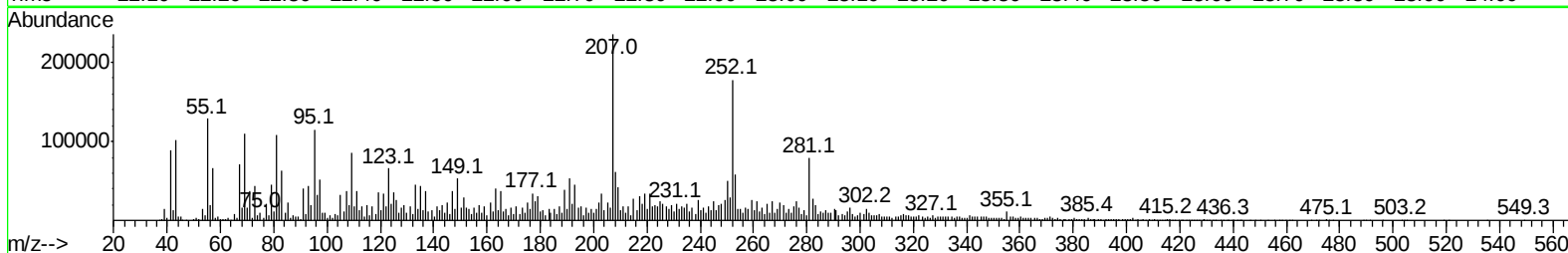
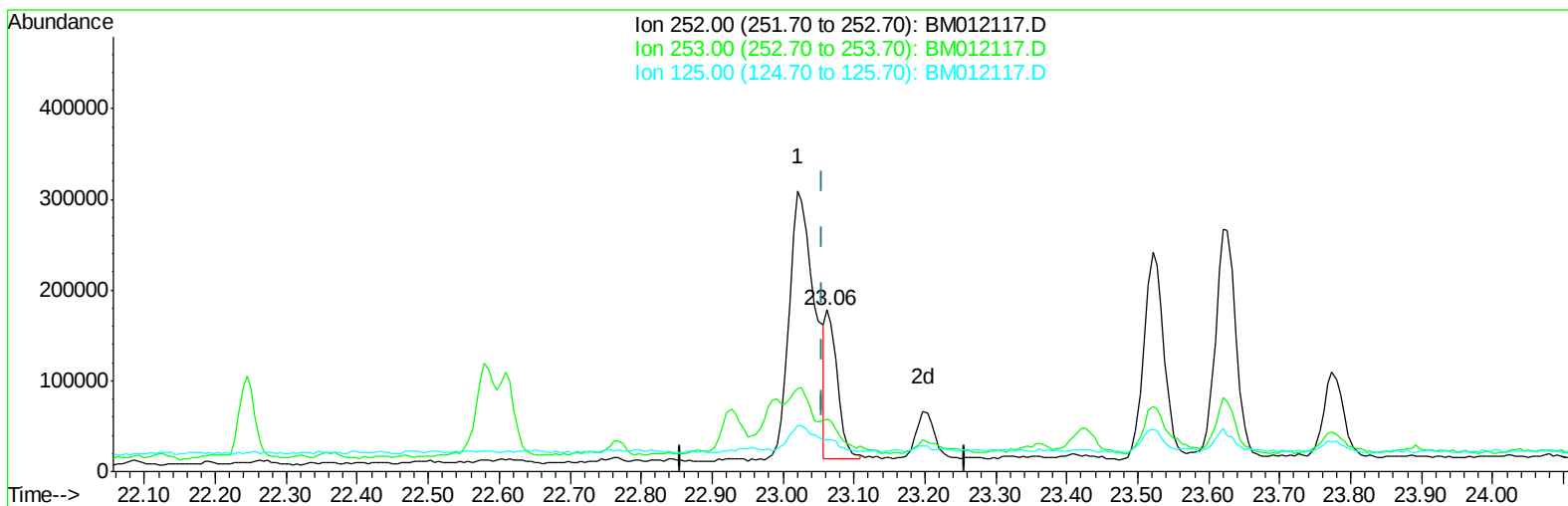
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
Data File : BM012117.D  
Acq On : 13 Oct 2017 02:16  
Operator : SJ/JU  
Sample : I5490-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:15:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 13 04:53:53 2017  
Response via : Initial Calibration



TIC: BM012117.D

(86) Benzo(k)fluoranthene

23.062min (+0.006) 2.00ng/ul m

response 193707

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.40 | 32.38# |
| 125.00 | 4.30  | 20.04# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\  
 Data File : BM012117.D  
 Acq On : 13 Oct 2017 02:16  
 Operator : SJ/JU  
 Sample : I5490-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-69(0-1)-092717

Manual Integrations  
 APPROVED

Sohil  
 10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:18:11 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 13 04:53:53 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 289497   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 1101709  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.48 | 164  | 578672   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 1226131  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.40 | 240  | 1365192  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.73 | 264  | 1539796  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 22852   | 3.75  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 509833  | 21.70 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 313223  | 22.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 445064  | 22.34 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 421699  | 20.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 201887  | 24.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 233235  | 23.74 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 421748  | 22.49 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.79 | 131 | 98349m  | 5.60  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.89 | 166 | 1248733 | 24.42 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.17 | 160 | 1523421 | 24.61 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 118988  | 15.47 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.47 | 176 | 1029815 | 24.53 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 108750  | 12.92 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.32 | 188 | 1533943 | 25.30 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.62 | 212 | 1715744 | 24.76 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 1857376 | 25.02 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |          |        | Ovalue |    |
|--------------------------------|-------|-----|----------|--------|--------|----|
| 6) Phenol                      | 7.02  | 94  | 29414    | 1.211  | ng/ul  | 87 |
| 44) Dimethylphthalate          | 13.93 | 163 | 484352   | 9.453  | ng/ul  | 99 |
| 69) Phenanthrene               | 17.27 | 178 | 419557   | 6.015  | ng/ul  | 99 |
| 71) Anthracene                 | 17.36 | 178 | 118841m  | 1.646  | ng/ul  |    |
| 74) Fluoranthene               | 19.28 | 202 | 870915   | 10.346 | ng/ul# | 90 |
| 77) Pyrene                     | 19.64 | 202 | 830396   | 9.210  | ng/ul# | 90 |
| 80) Benzo(a)anthracene         | 21.39 | 228 | 497195   | 5.597  | ng/ul# | 92 |
| 81) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 3226198m | 53.571 | ng/ul  |    |
| 82) Chrysene                   | 21.44 | 228 | 491601   | 5.894  | ng/ul# | 92 |
| 85) Benzo(b)fluoranthene       | 23.02 | 252 | 738825   | 7.353  | ng/ul# | 82 |
| 86) Benzo(k)fluoranthene       | 23.06 | 252 | 193707m  | 2.000  | ng/ul  |    |
| 88) Benzo(a)pyrene             | 23.62 | 252 | 507850   | 5.362  | ng/ul# | 80 |
| 89) Indeno(1,2,3-cd)pyrene     | 26.10 | 276 | 393026   | 3.908  | ng/ul# | 83 |
| 90) Dibenzo(a,h)anthracene     | 26.11 | 278 | 111453   | 1.318  | ng/ul# | 20 |
| 91) Benzo(g,h,i)perylene       | 26.84 | 276 | 496010   | 6.021  | ng/ul# | 80 |

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-69(0-1)-092717

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:36:56 PM

Quant Time: Oct 13 05:18:11 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
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