

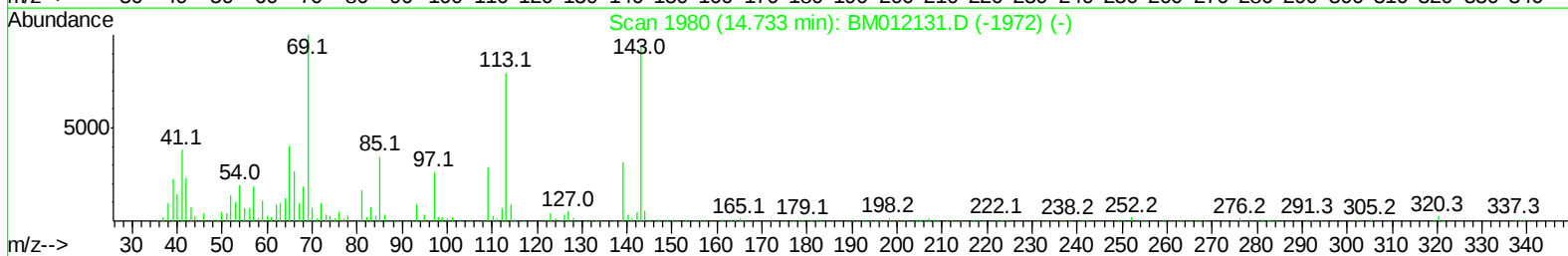
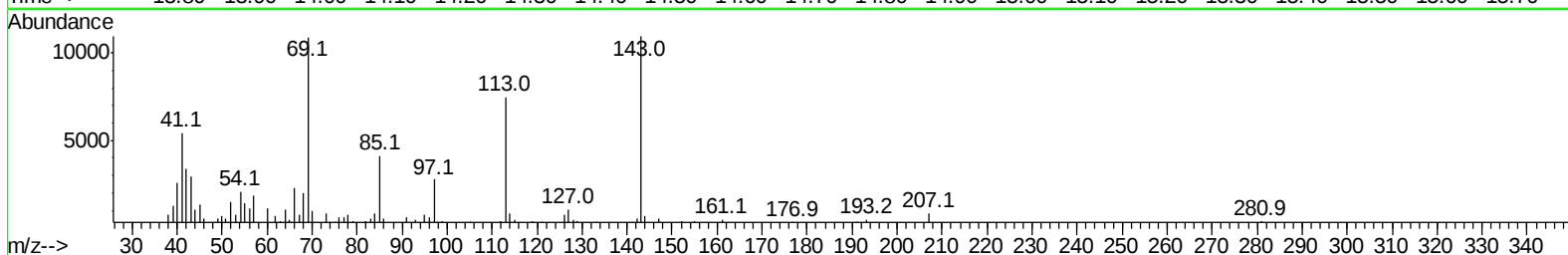
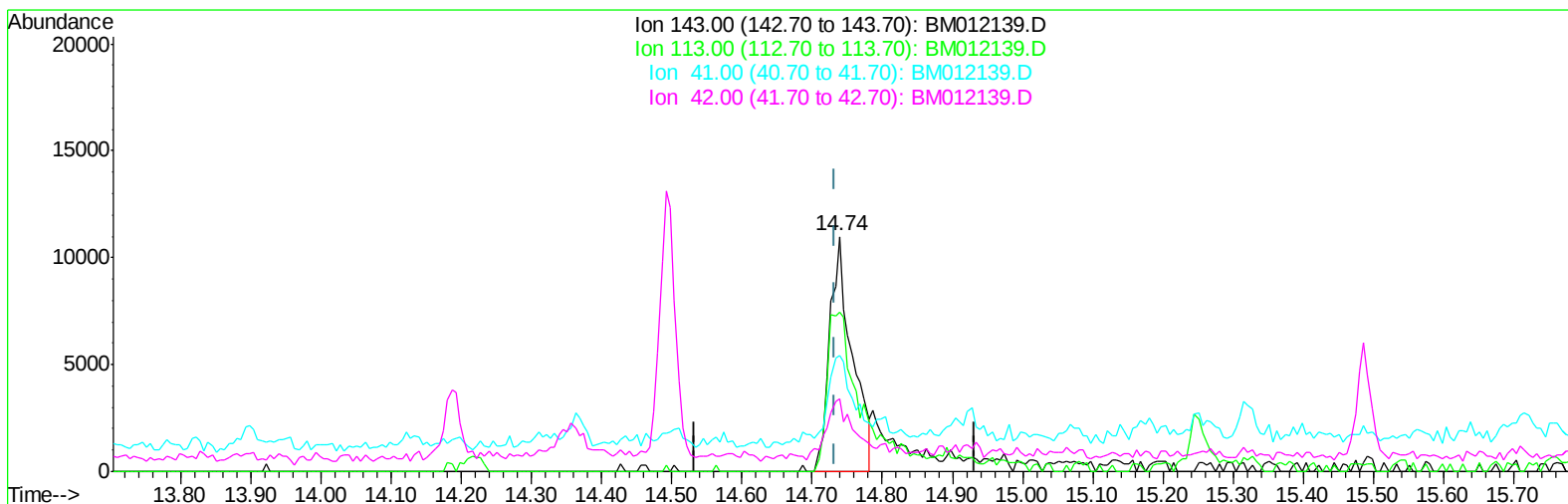
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Data File : BM012139.D  
Acq On : 13 Oct 2017 16:21  
Operator : SJ/JU  
Sample : I5533-10DL 5X  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-53(0-1)-092817DL

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:37:37 PM

Quant Time: Oct 14 01:11:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 14 00:15:07 2017  
Response via : Initial Calibration



TIC: BM012139.D

(51) 4-Nitrophenol-d4 (S)

14.739min (+0.006) 3.46ng/ul

response 24182

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 114.60 | 68.06# |
| 41.00  | 34.80  | 49.49# |
| 42.00  | 20.50  | 31.01# |

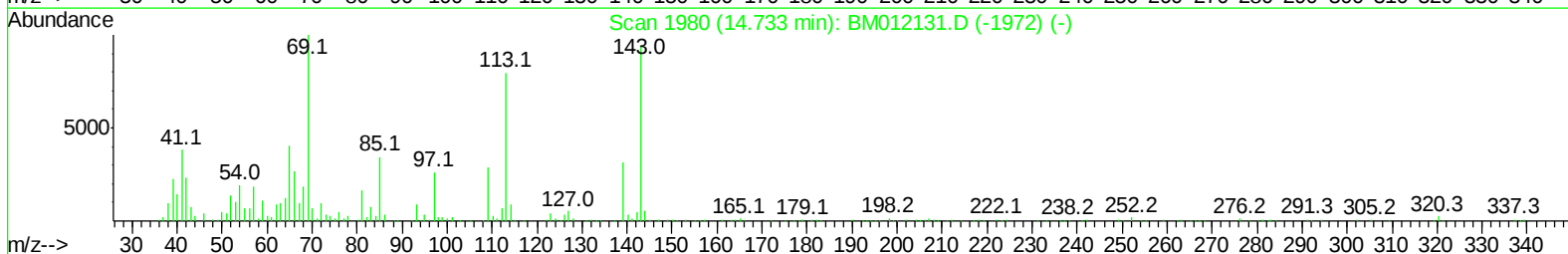
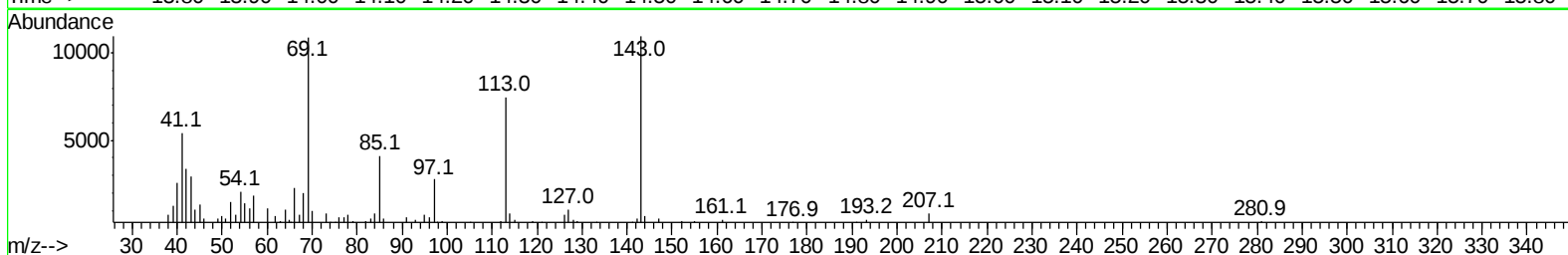
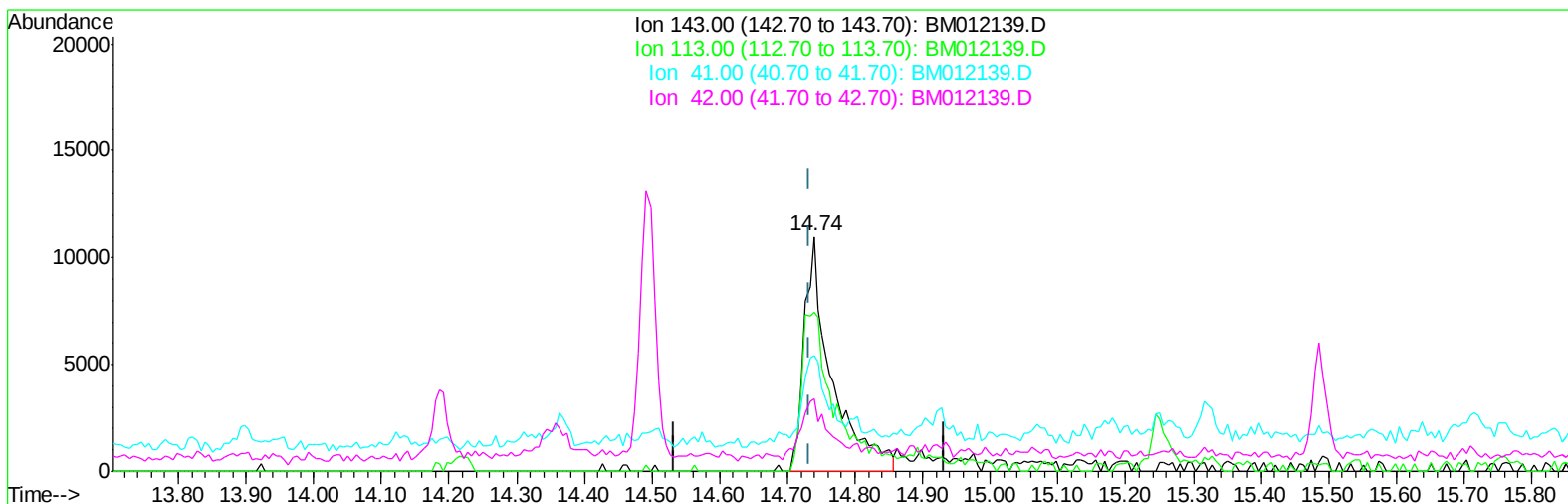
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
Data File : BM012139.D  
Acq On : 13 Oct 2017 16:21  
Operator : SJ/JU  
Sample : I5533-10DL 5X  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-53(0-1)-092817DL

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:37:37 PM

Quant Time: Oct 14 01:11:44 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 14 00:15:07 2017  
Response via : Initial Calibration



TIC: BM012139.D

(51) 4-Nitrophenol-d4 (S)

14.739min (+0.006) 4.40ng/ul m

response 30713

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100    | 100    |
| 113.00 | 114.60 | 68.06# |
| 41.00  | 34.80  | 49.49# |
| 42.00  | 20.50  | 31.01# |

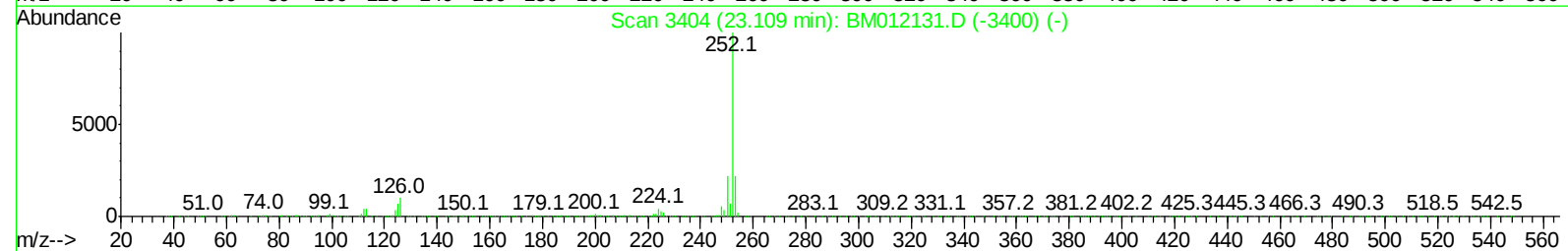
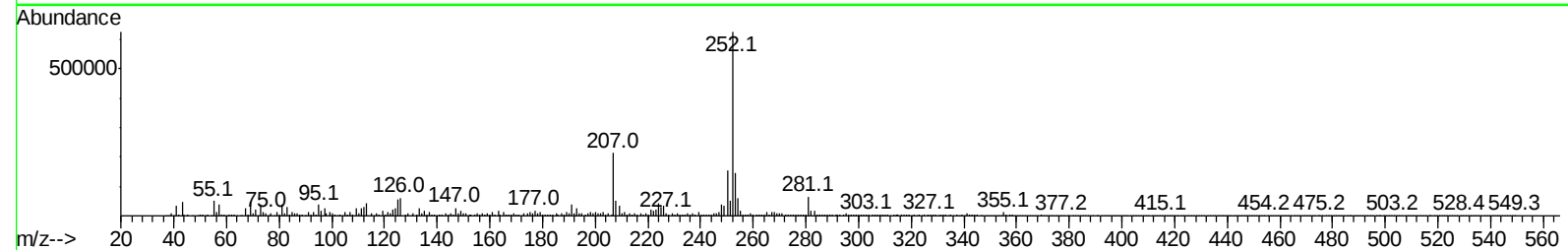
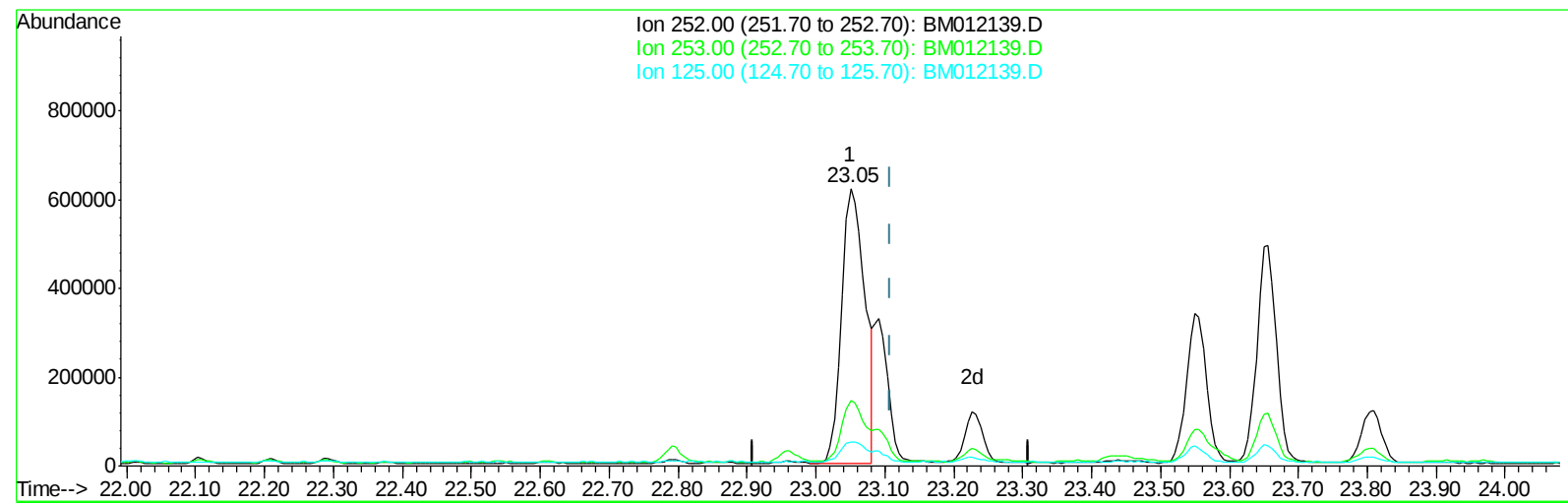
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Data File : BM012139.D  
Acq On : 13 Oct 2017 16:21  
Operator : SJ/JU  
Sample : I5533-10DL 5X  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-53(0-1)-092817DL

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:37:37 PM

Quant Time: Oct 14 01:12:58 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 14 00:15:07 2017  
Response via : Initial Calibration



TIC: BM012139.D

(86) Benzo(k)fluoranthene

23.050min (-0.059) 21.52ng/ul

response 1443299

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.63 |
| 125.00 | 4.30  | 8.85# |
| 0.00   | 0.00  | 0.00  |

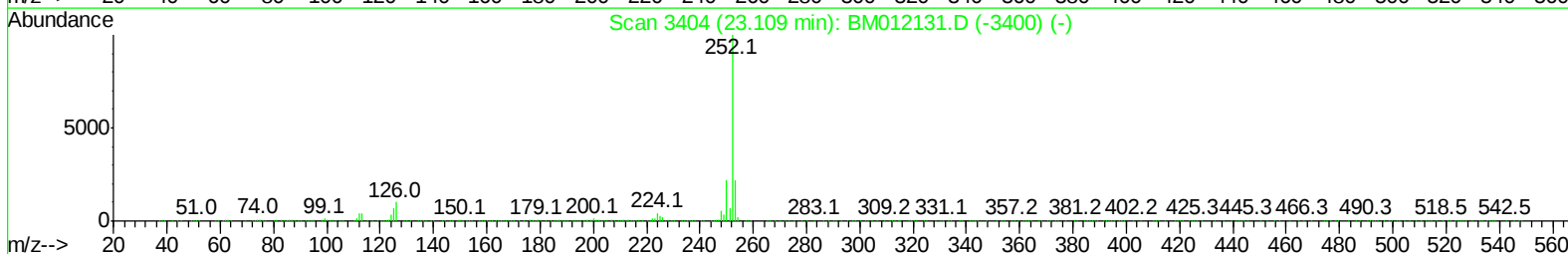
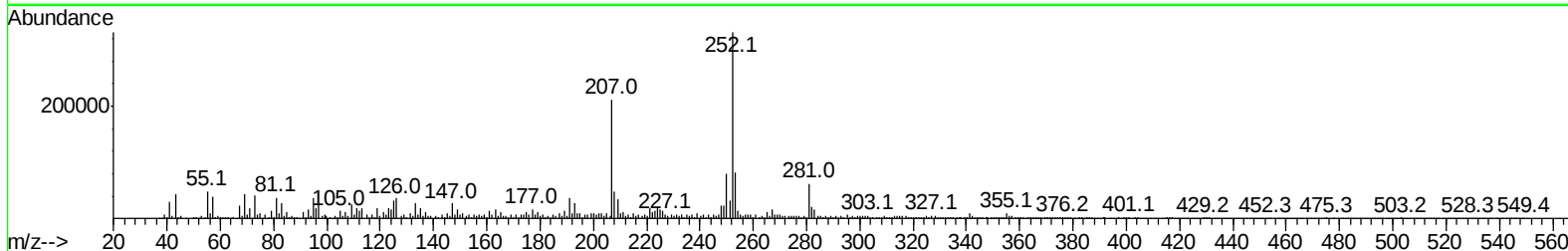
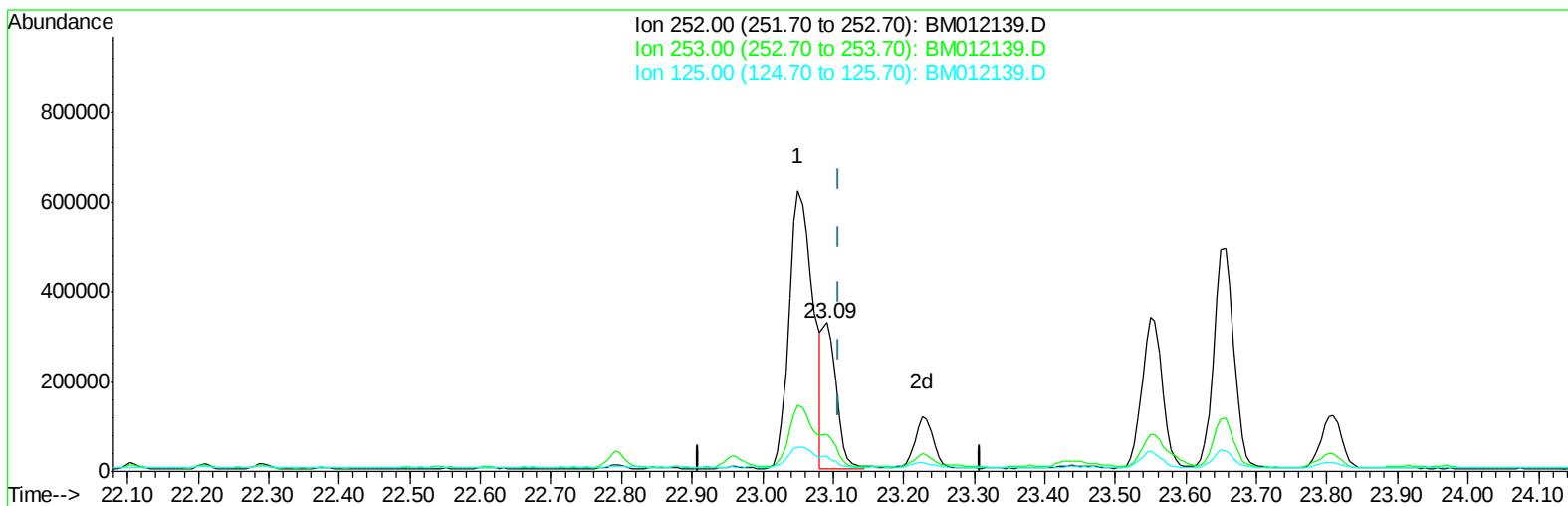
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
Data File : BM012139.D  
Acq On : 13 Oct 2017 16:21  
Operator : SJ/JU  
Sample : I5533-10DL 5X  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B-53(0-1)-092817DL

Manual Integrations  
APPROVED

Sohil  
10/15/2017 12:37:37 PM

Quant Time: Oct 14 01:12:58 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Oct 14 00:15:07 2017  
Response via : Initial Calibration



TIC: BM012139.D

(86) Benzo(k)fluoranthene

23.091min (-0.018) 7.03ng/ul m

response 471309

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.47 |
| 125.00 | 4.30  | 9.94# |
| 0.00   | 0.00  | 0.00  |

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA M\Data\BM101217\  
 Data File : BM012139.D  
 Acq On : 13 Oct 2017 16:21  
 Operator : SJ/JU  
 Sample : I5533-10DL 5X  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-53(0-1)-092817DL

Manual Integrations  
 APPROVED

Sohil  
 10/15/2017 12:37:37 PM

Quant Time: Oct 14 01:14:21 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 14 00:15:07 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 206926   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 873083   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.49 | 164  | 525506   | 20.00 | ng/ul | -0.01    |
| 61) Phenanthrene-d10      | 17.24 | 188  | 1254811  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.43 | 240  | 1283864  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.76 | 264  | 1066412  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |        |      |       |       |
|--------------------------------|-------|-----|--------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 5608   | 1.29 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.02  | 99  | 92622  | 5.52 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.17  | 67  | 63795  | 6.34 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.37  | 132 | 86780  | 6.09 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.56  | 113 | 72842  | 5.04 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 9.01  | 128 | 43571  | 6.54 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.74  | 143 | 48634  | 6.25 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.28 | 165 | 90360  | 6.08 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 55159  | 3.97 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.90 | 166 | 314868 | 6.78 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.19 | 160 | 382959 | 6.81 | ng/ul | -0.01 |
| 51) 4-Nitrophenol-d4           | 14.74 | 143 | 30713m | 4.40 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.49 | 176 | 267407 | 7.01 | ng/ul | -0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 7448   | 0.86 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.34 | 188 | 440896 | 7.11 | ng/ul | -0.01 |
| 76) Pyrene-d10                 | 19.64 | 212 | 503961 | 7.73 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.60 | 264 | 365785 | 7.11 | ng/ul | -0.02 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 44) Dimethylphthalate          | 13.94 | 163 | 70964   | 1.525  | ng/ul  | 98 |
| 47) Acenaphthylene             | 14.22 | 152 | 176489  | 3.197  | ng/ul  | 99 |
| 69) Phenanthrene               | 17.29 | 178 | 742363  | 10.400 | ng/ul  | 99 |
| 71) Anthracene                 | 17.37 | 178 | 191178  | 2.587  | ng/ul  | 97 |
| 74) Fluoranthene               | 19.30 | 202 | 2299863 | 26.697 | ng/ul# | 93 |
| 77) Pyrene                     | 19.67 | 202 | 2410122 | 28.425 | ng/ul# | 93 |
| 80) Benzo(a)anthracene         | 21.41 | 228 | 1317869 | 15.775 | ng/ul  | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 77134   | 1.362  | ng/ul# | 98 |
| 82) Chrysene                   | 21.46 | 228 | 1303081 | 16.614 | ng/ul  | 96 |
| 85) Benzo(b)fluoranthene       | 23.05 | 252 | 1443299 | 20.739 | ng/ul# | 96 |
| 86) Benzo(k)fluoranthene       | 23.09 | 252 | 471309m | 7.028  | ng/ul  |    |
| 88) Benzo(a)pyrene             | 23.66 | 252 | 962726  | 14.677 | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene     | 26.14 | 276 | 655436  | 9.410  | ng/ul# | 94 |
| 90) Dibenzo(a,h)anthracene     | 26.14 | 278 | 176674  | 3.017  | ng/ul# | 78 |
| 91) Benzo(g,h,i)perylene       | 26.89 | 276 | 605683  | 10.617 | ng/ul# | 92 |

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

