

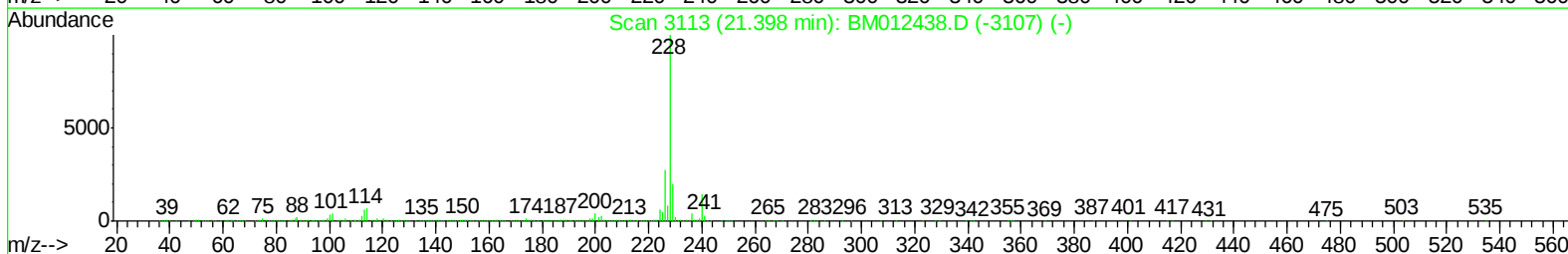
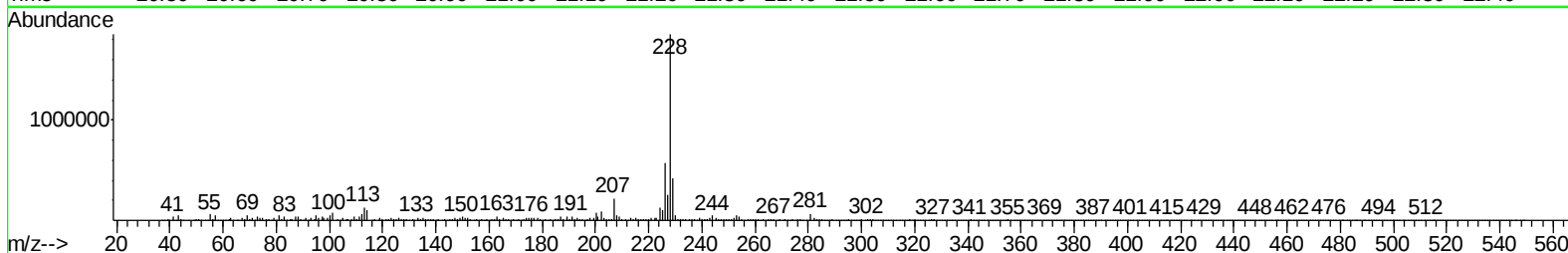
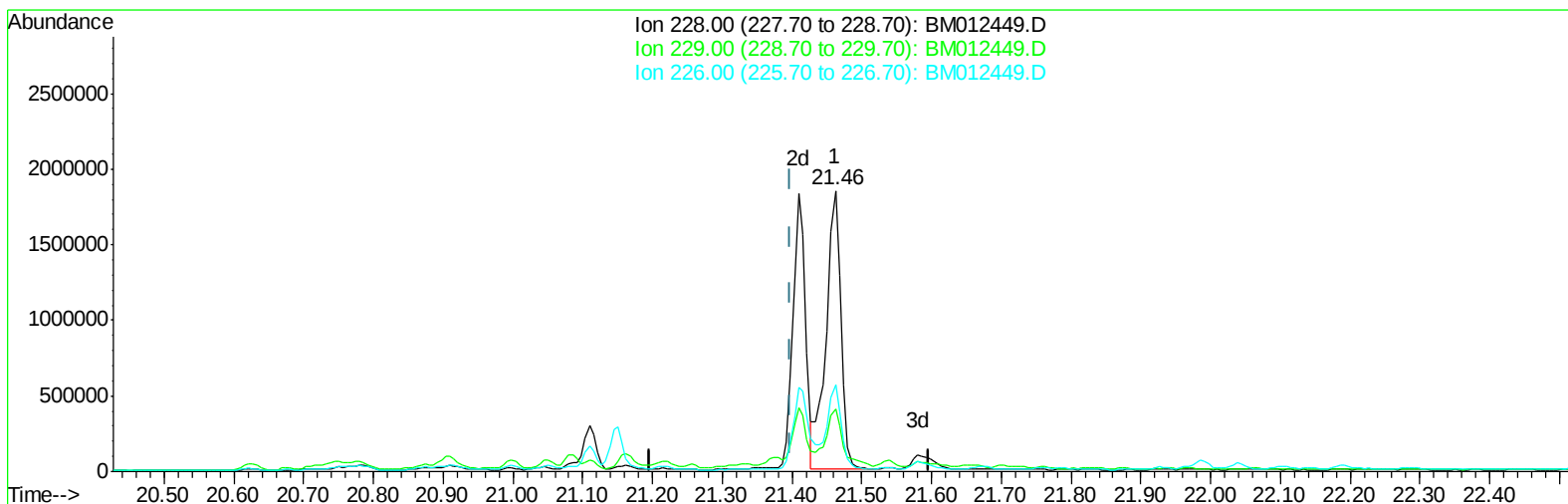
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
Data File : BM012449.D  
Acq On : 25 Oct 2017 17:18  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:01 AM

Quant Time: Oct 26 01:14:07 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 01:09:36 2017  
Response via : Initial Calibration



TIC: BM012449.D

(80) Benzo(a)anthracene  
21.462min (+0.064) 11.39ng/ul  
response 2718854

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.20 | 22.44 |
| 226.00 | 26.70 | 31.07 |
| 0.00   | 0.00  | 0.00  |

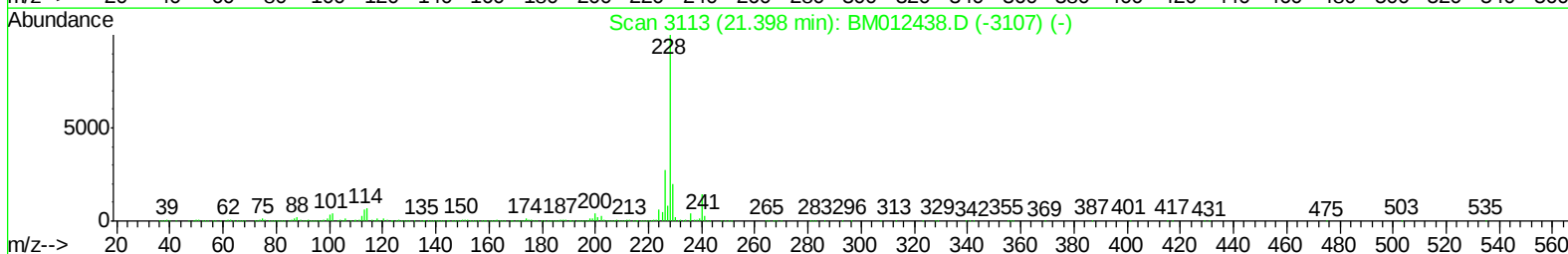
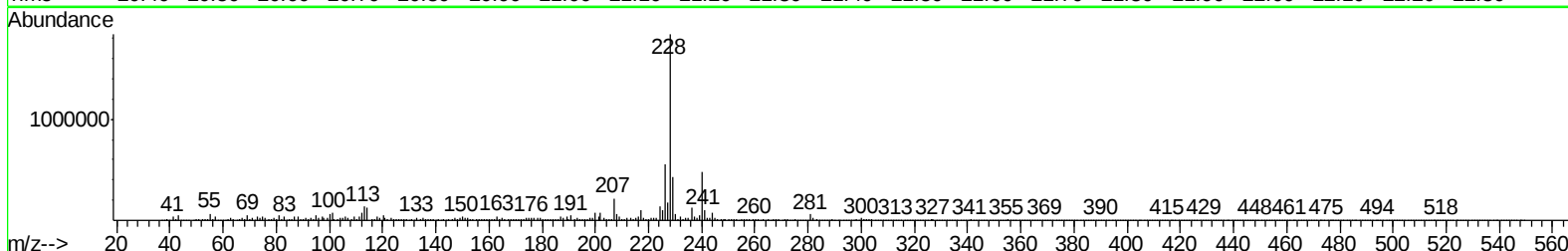
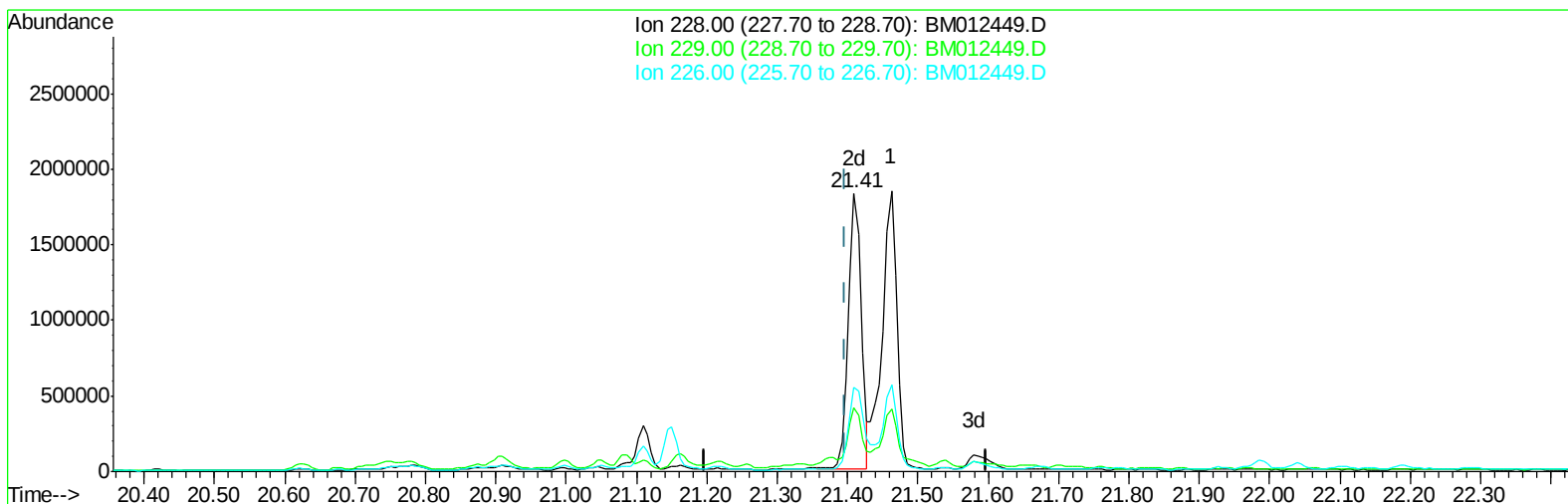
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
Data File : BM012449.D  
Acq On : 25 Oct 2017 17:18  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:01 AM

Quant Time: Oct 26 01:14:07 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 01:09:36 2017  
Response via : Initial Calibration



TIC: BM012449.D

(80) Benzo(a)anthracene

21.409min (+0.011) 9.75ng/ul m

response 2328166

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.20 | 23.13# |
| 226.00 | 26.70 | 30.28  |
| 0.00   | 0.00  | 0.00   |

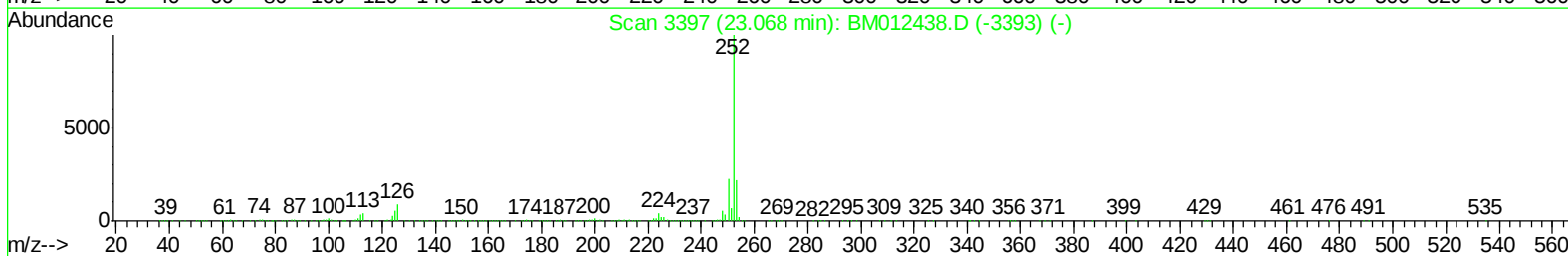
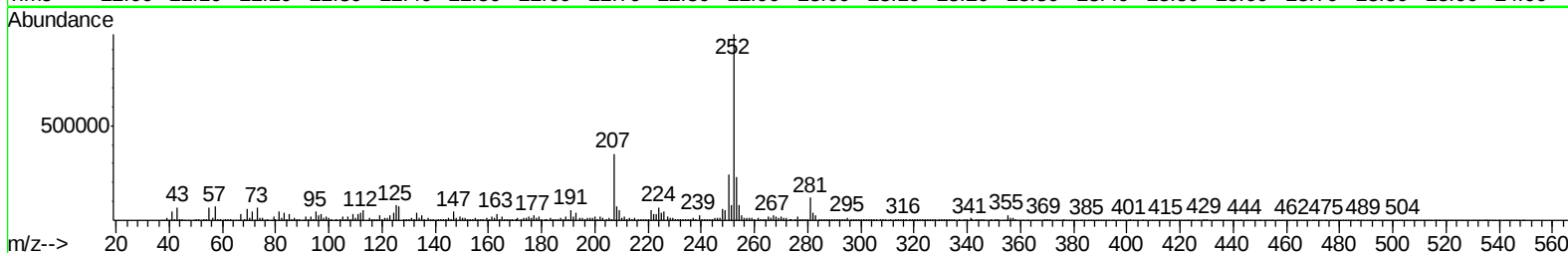
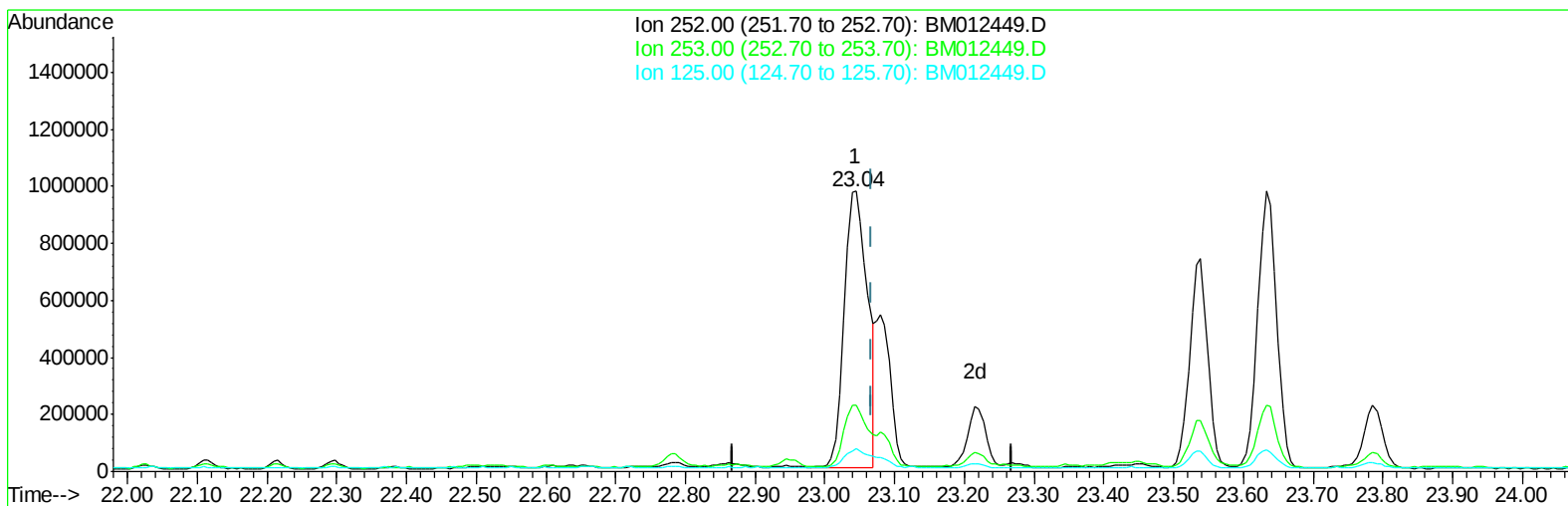
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
Data File : BM012449.D  
Acq On : 25 Oct 2017 17:18  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:01 AM

Quant Time: Oct 26 01:14:07 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 01:09:36 2017  
Response via : Initial Calibration



TIC: BM012449.D

(86) Benzo(k)fluoranthene

23.044min (-0.024) 10.16ng/ul

response 2226787

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.67 |
| 125.00 | 4.30  | 8.06# |
| 0.00   | 0.00  | 0.00  |

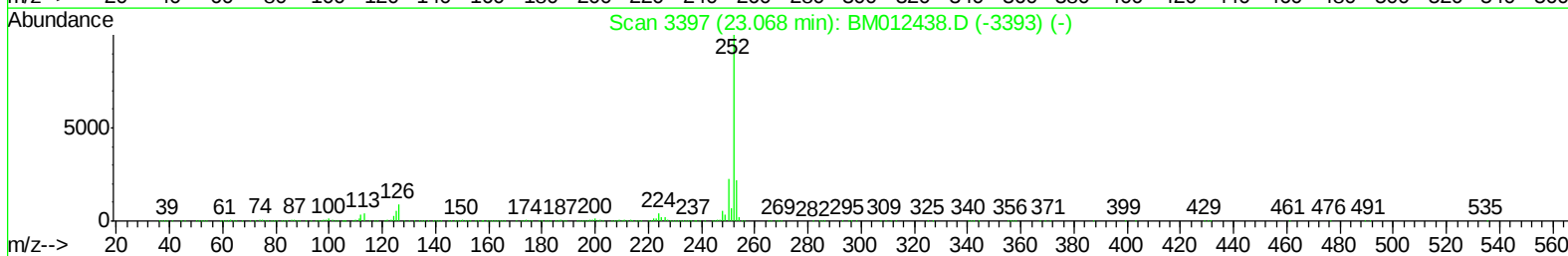
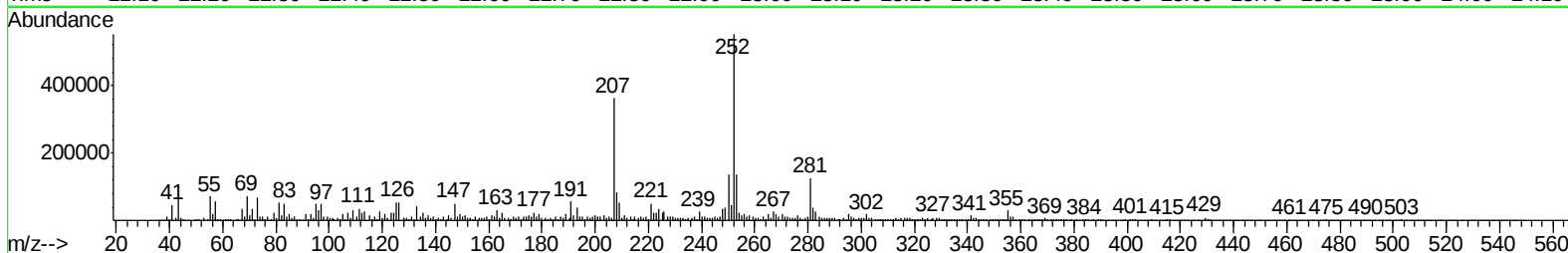
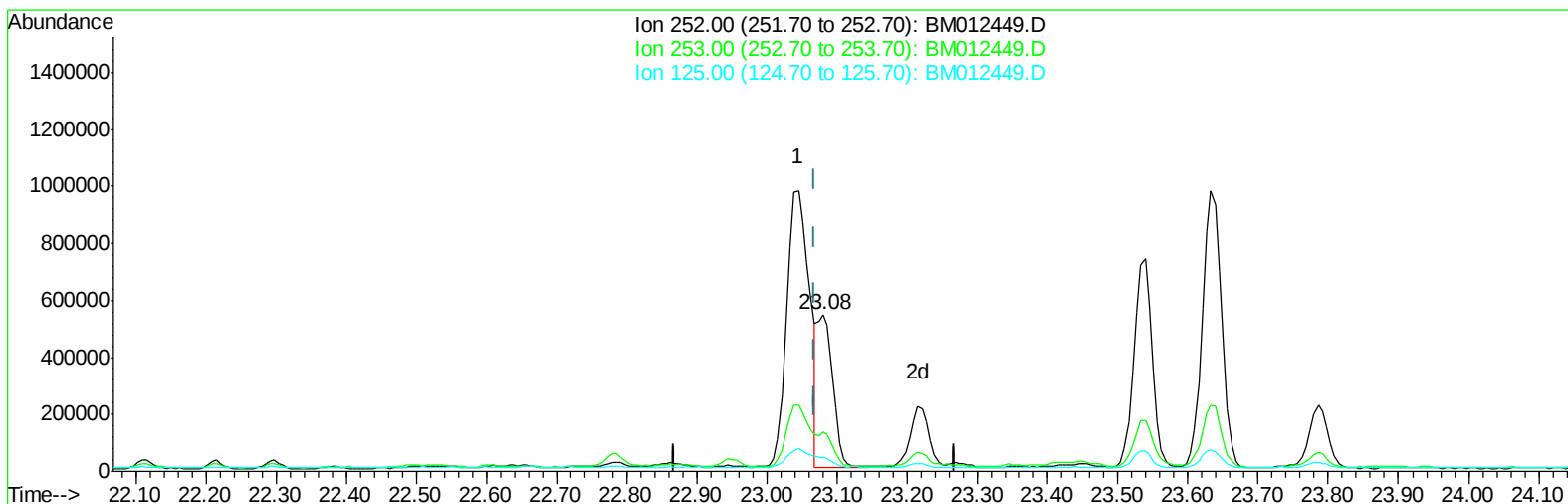
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
Data File : BM012449.D  
Acq On : 25 Oct 2017 17:18  
Operator : SJ/JU  
Sample : I5701-18DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CK4DL

Manual Integrations  
APPROVED

Sohil  
10/27/2017 8:54:01 AM

Quant Time: Oct 26 01:14:07 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 26 01:09:36 2017  
Response via : Initial Calibration



TIC: BM012449.D

(86) Benzo(k)fluoranthene

23.080min (+0.011) 3.65ng/ul m

response 800867

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 24.99 |
| 125.00 | 4.30  | 9.35# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\  
 Data File : BM012449.D  
 Acq On : 25 Oct 2017 17:18  
 Operator : SJ/JU  
 Sample : I5701-18DL 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 B0CK4DL

Manual Integrations  
 APPROVED

Sohil  
 10/27/2017 8:54:01 AM

Quant Time: Oct 26 05:18:55 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 26 01:09:36 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 731002   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 3149778  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.52 | 164  | 2040814  | 20.00 | ng/ul | 0.01     |
| 61) Phenanthrene-d10      | 17.26 | 188  | 4805640  | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.43 | 240  | 3986124  | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.74 | 264  | 3767206  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.37  | 96  | 7975   | 0.56 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 196990 | 3.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.21  | 67  | 119193 | 3.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 152537 | 3.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.59  | 113 | 165043 | 3.16 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.04  | 128 | 75614  | 3.83 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 77718  | 3.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.30 | 165 | 185521 | 3.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.81 | 131 | 60078  | 1.06 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 607182 | 3.41 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 740912 | 3.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.71 | 143 | 65715  | 2.48 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.50 | 176 | 534448 | 3.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.63 | 200 | 7227   | 0.31 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.35 | 188 | 838071 | 3.66 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.64 | 212 | 829339 | 4.53 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12         | 23.59 | 264 | 611520 | 3.42 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |          |       | Ovalue |     |
|----------------------------|-------|-----|----------|-------|--------|-----|
| 44) Dimethylphthalate      | 13.97 | 163 | 233821   | 1.33  | ng/ul  | 100 |
| 47) Acenaphthylene         | 14.23 | 152 | 611461   | 3.04  | ng/ul  | 98  |
| 69) Phenanthrene           | 17.30 | 178 | 2922511  | 11.25 | ng/ul  | 99  |
| 71) Anthracene             | 17.39 | 178 | 664433   | 2.47  | ng/ul  | 97  |
| 74) Fluoranthene           | 19.31 | 202 | 4872882  | 16.55 | ng/ul# | 95  |
| 77) Pyrene                 | 19.67 | 202 | 6172879  | 27.23 | ng/ul# | 94  |
| 80) Benzo(a)anthracene     | 21.41 | 228 | 2328166m | 9.75  | ng/ul  |     |
| 82) Chrysene               | 21.46 | 228 | 2718854  | 12.81 | ng/ul  | 95  |
| 85) Benzo(b)fluoranthene   | 23.04 | 252 | 2226787  | 9.56  | ng/ul# | 96  |
| 86) Benzo(k)fluoranthene   | 23.08 | 252 | 800867m  | 3.65  | ng/ul  |     |
| 88) Benzo(a)pyrene         | 23.63 | 252 | 1850752  | 8.34  | ng/ul# | 97  |
| 89) Indeno(1,2,3-cd)pyrene | 26.09 | 276 | 1247759  | 4.77  | ng/ul  | 97  |
| 90) Dibenzo(a,h)anthracene | 26.09 | 278 | 365238   | 1.65  | ng/ul# | 67  |
| 91) Benzo(g,h,i)perylene   | 26.80 | 276 | 1234411  | 5.83  | ng/ul# | 94  |

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

