

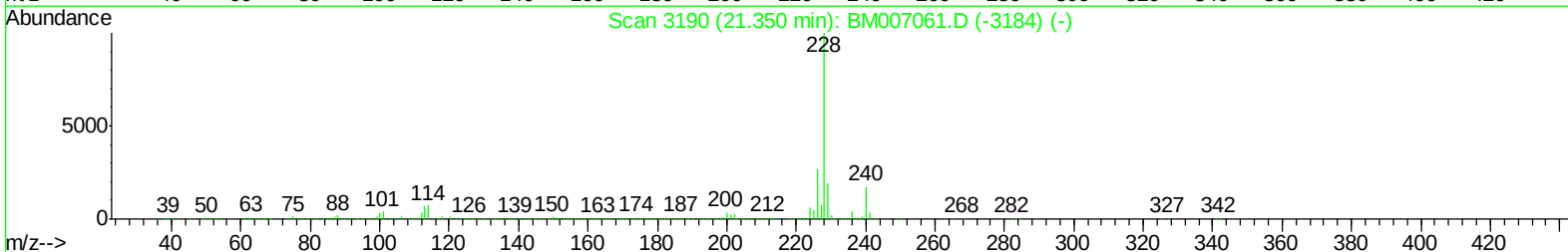
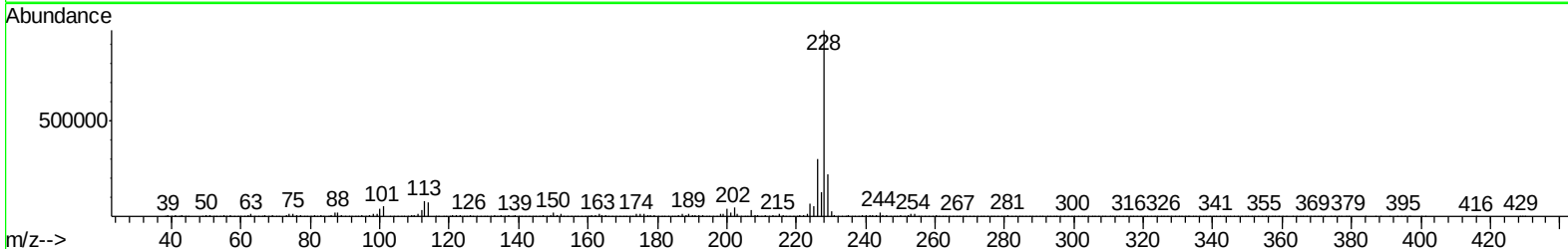
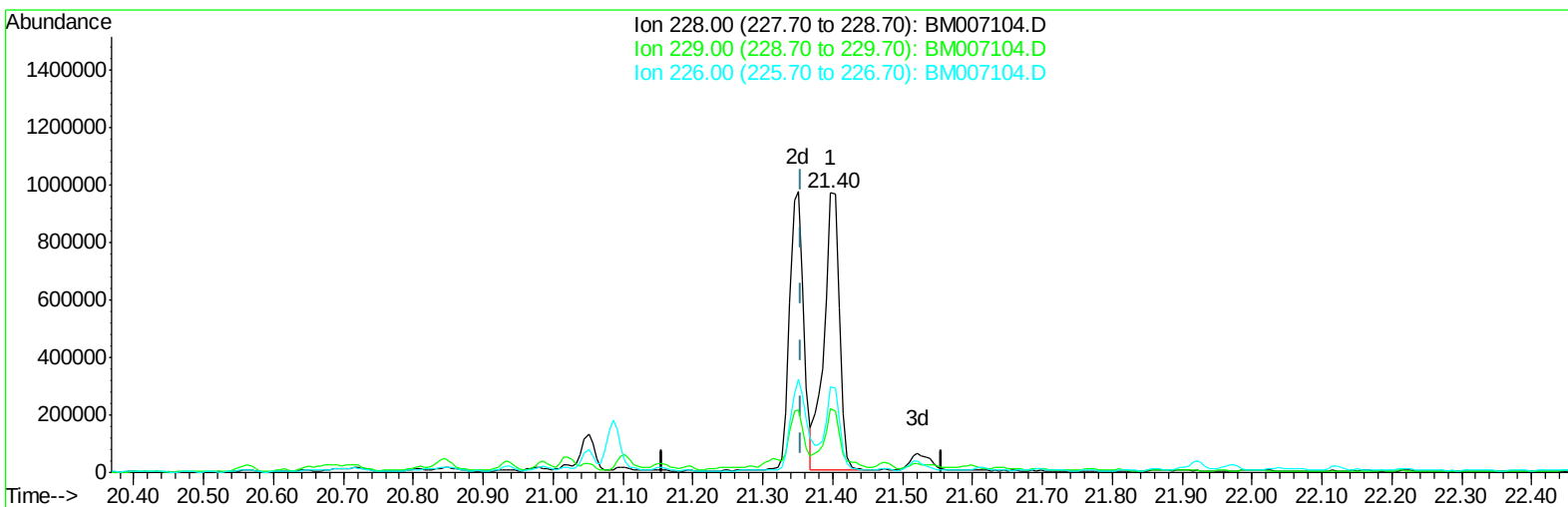
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
Data File : BM007104.D  
Acq On : 14 Aug 2016 12:51  
Operator : UM/SJ  
Sample : H4387-10  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P003-SS003-0206-01

Manual Integrations  
APPROVED

sohil  
8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:44:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 15 10:34:14 2016  
Response via : Initial Calibration



TIC: BM007104.D

(80) Benzo(a)anthracene  
21.397min (+0.041) 14.36ng/ul  
response 1476054

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.50 | 22.73 |
| 226.00 | 27.30 | 30.65 |
| 0.00   | 0.00  | 0.00  |

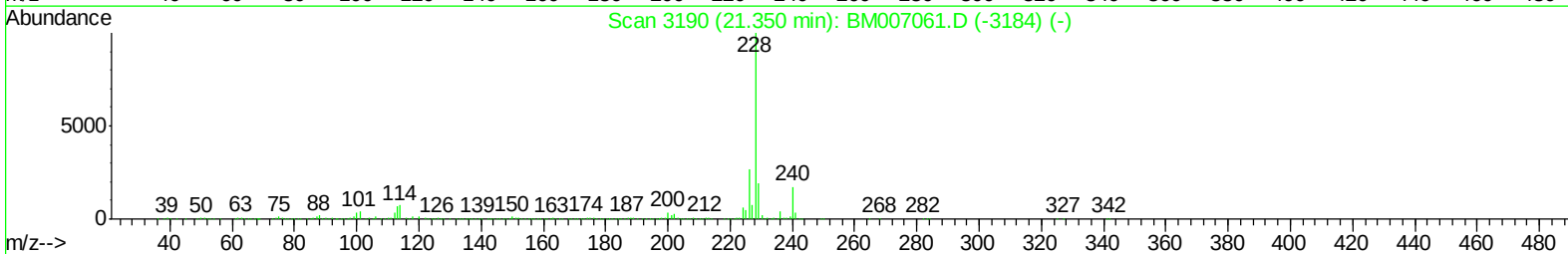
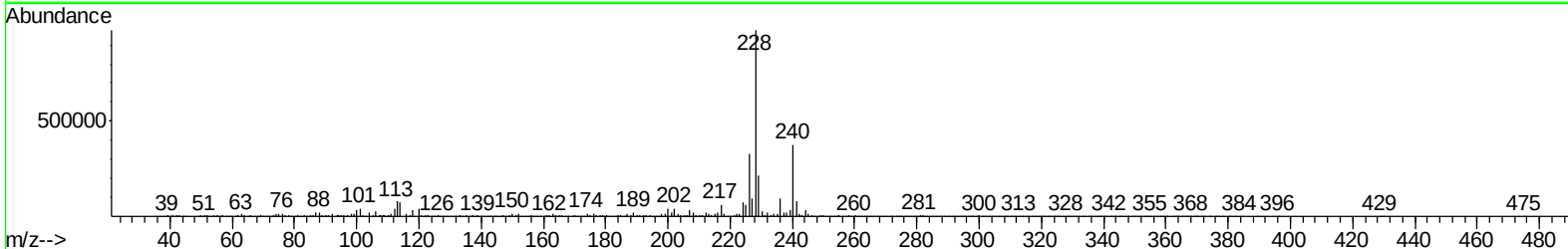
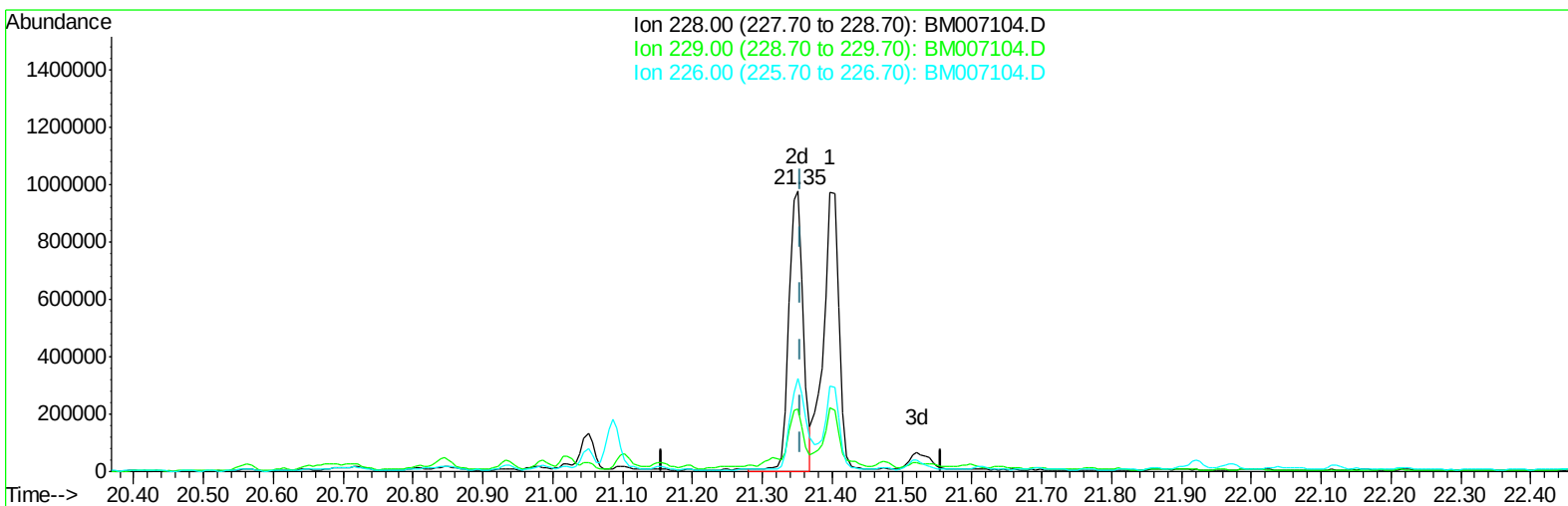
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
Data File : BM007104.D  
Acq On : 14 Aug 2016 12:51  
Operator : UM/SJ  
Sample : H4387-10  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P003-SS003-0206-01

Manual Integrations  
APPROVED

sohil  
8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:44:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 15 10:34:14 2016  
Response via : Initial Calibration



TIC: BM007104.D

(80) Benzo(a)anthracene

21.350min (-0.006) 13.65ng/ul m

response 1402524

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.50 | 22.26  |
| 226.00 | 27.30 | 33.27# |
| 0.00   | 0.00  | 0.00   |

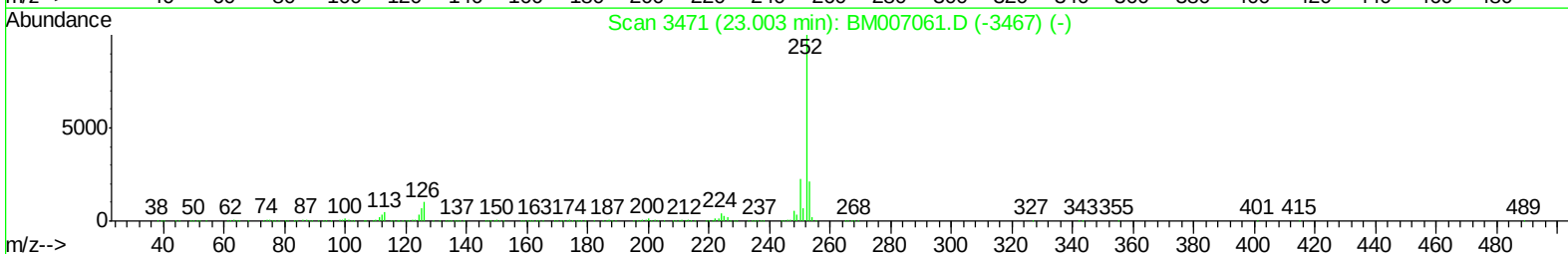
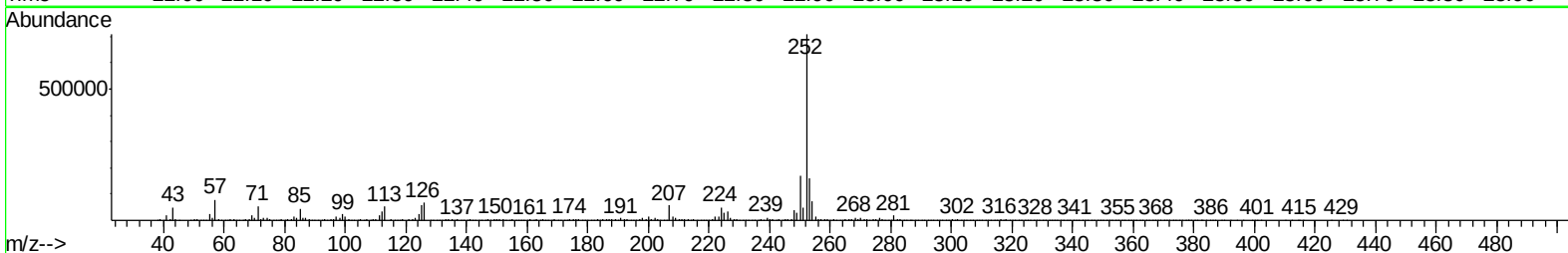
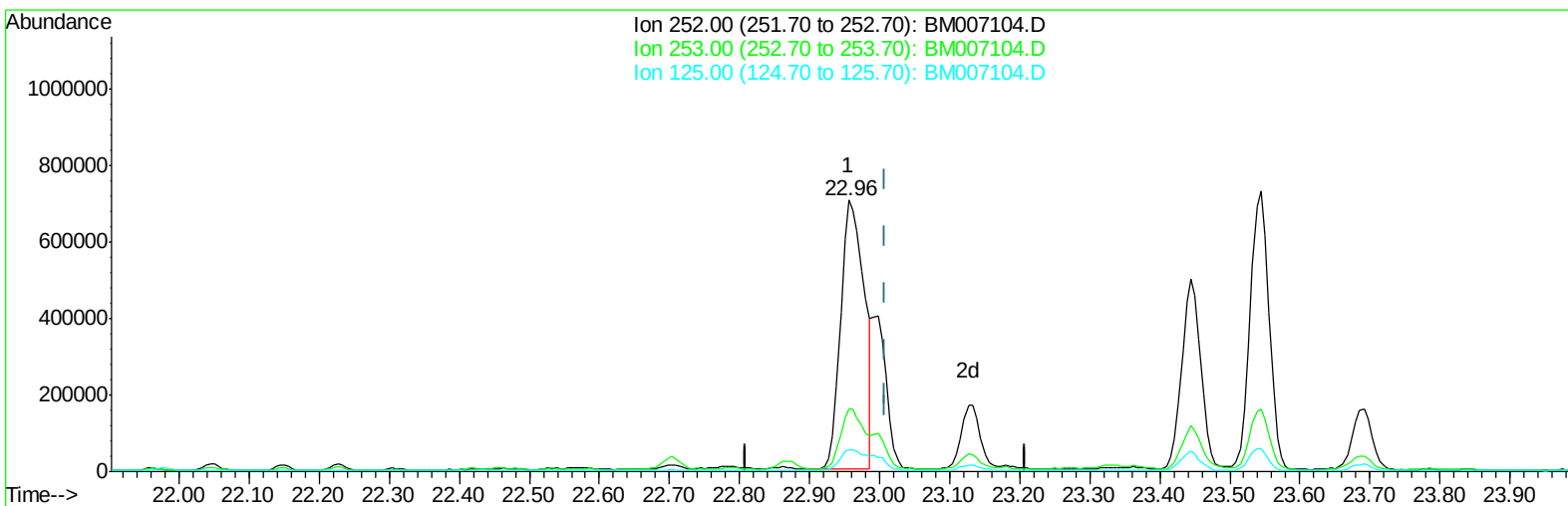
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
Data File : BM007104.D  
Acq On : 14 Aug 2016 12:51  
Operator : UM/SJ  
Sample : H4387-10  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P003-SS003-0206-01

Manual Integrations  
APPROVED

sohil  
8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:44:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 15 10:34:14 2016  
Response via : Initial Calibration



TIC: BM007104.D

(86) Benzo(k)fluoranthene

22.956min (-0.053) 15.52ng/ul

response 1663332

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 22.85 |
| 125.00 | 7.10  | 8.11  |
| 0.00   | 0.00  | 0.00  |

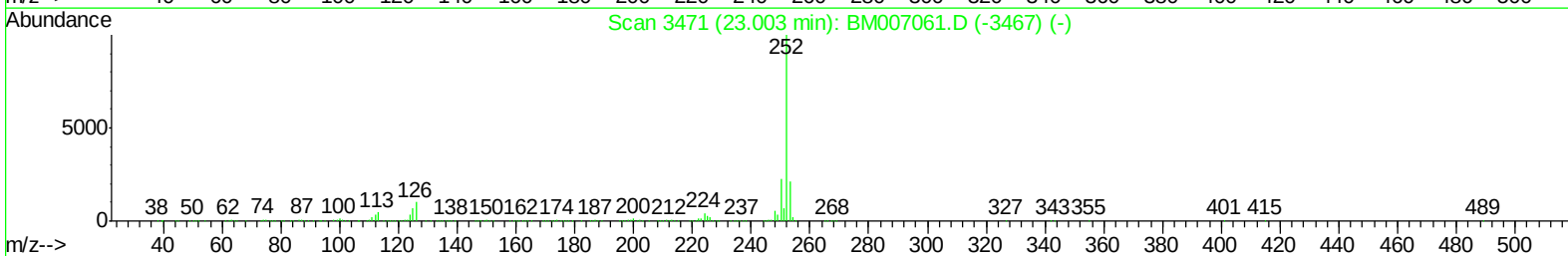
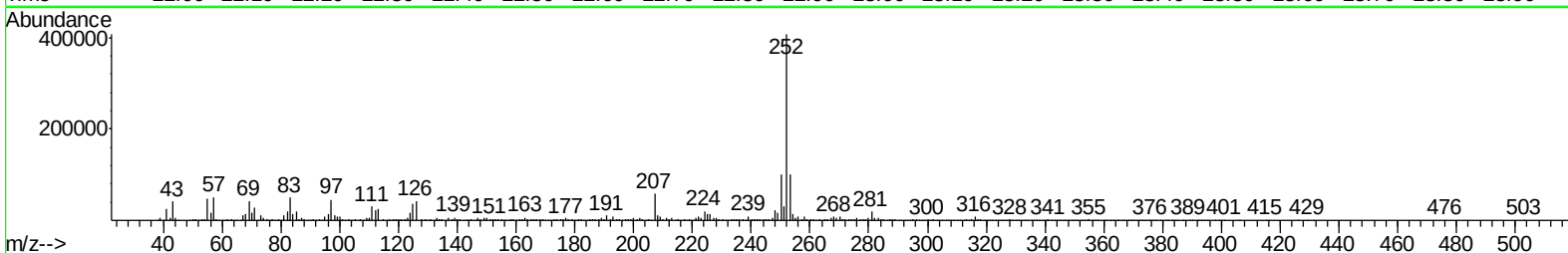
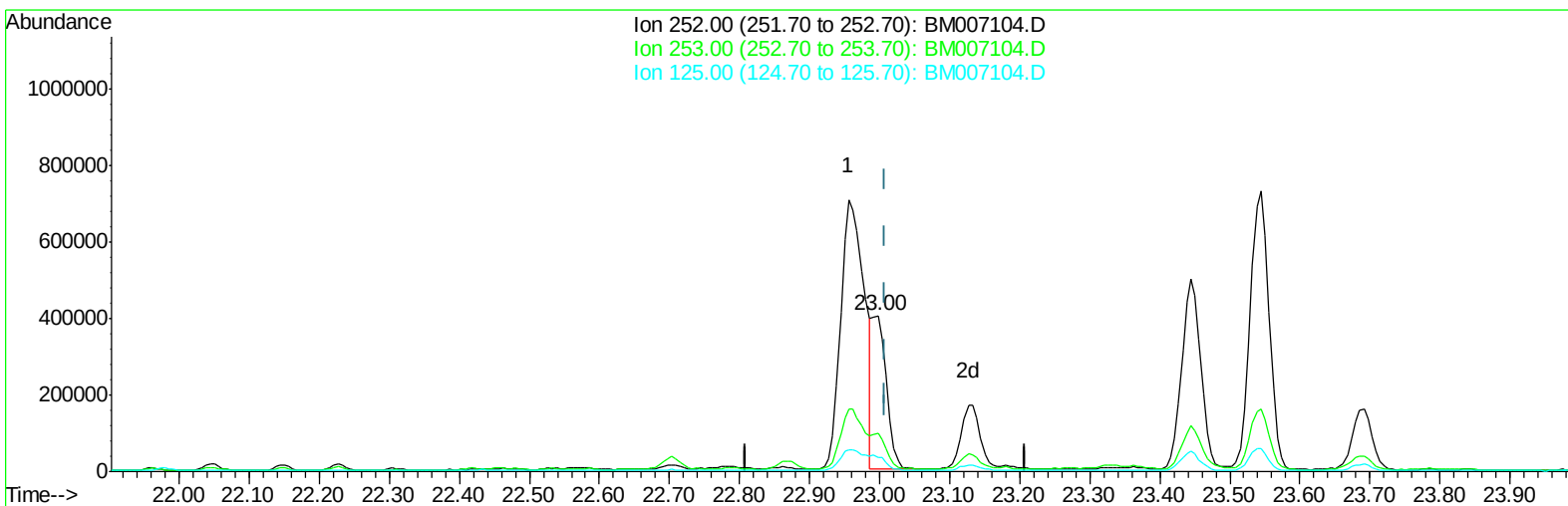
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
Data File : BM007104.D  
Acq On : 14 Aug 2016 12:51  
Operator : UM/SJ  
Sample : H4387-10  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P003-SS003-0206-01

Manual Integrations  
APPROVED

sohil  
8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:44:29 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 15 10:34:14 2016  
Response via : Initial Calibration



TIC: BM007104.D

(86) Benzo(k)fluoranthene

22.997min (-0.012) 5.29ng/ul m

response 567233

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.00 | 24.49 |
| 125.00 | 7.10  | 9.10# |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
 Data File : BM007104.D  
 Acq On : 14 Aug 2016 12:51  
 Operator : UM/SJ  
 Sample : H4387-10  
 Misc :  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P003-SS003-0206-01

Manual Integrations  
 APPROVED

sohil  
 8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:50:21 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 15 10:34:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 267080   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 1070407  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 614503   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 1453957  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.36 | 240  | 1739410  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.64 | 264  | 1894450  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96  | 34898   | 5.71  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.97  | 99  | 705391  | 32.60 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 416133  | 33.55 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 576929  | 33.48 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 548178  | 30.79 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.96  | 128 | 281595  | 36.22 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.68  | 143 | 316674  | 38.13 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 586691  | 33.72 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.73 | 131 | 626950  | 30.28 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.85 | 166 | 1750144 | 34.47 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 2185251 | 35.83 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 268988  | 29.56 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.43 | 176 | 1532121 | 34.52 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 235097  | 29.26 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.28 | 188 | 2369178 | 35.17 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 19.57 | 212 | 2724270 | 37.11 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 23.50 | 264 | 3047149 | 35.17 | ng/ul | 0.00  |

## Target Compounds

|                                |       |     |          |       |        | Qvalue |
|--------------------------------|-------|-----|----------|-------|--------|--------|
| 6) Phenol                      | 7.00  | 94  | 67052    | 2.94  | ng/ul# | 91     |
| 44) Dimethylphthalate          | 13.90 | 163 | 2178074  | 42.92 | ng/ul  | 100    |
| 47) Acenaphthylene             | 14.16 | 152 | 348261   | 5.55  | ng/ul  | 99     |
| 58) Fluorene                   | 15.49 | 166 | 60452    | 1.24  | ng/ul# | 98     |
| 69) Phenanthrene               | 17.23 | 178 | 947667   | 12.12 | ng/ul  | 100    |
| 71) Anthracene                 | 17.32 | 178 | 278562   | 3.47  | ng/ul  | 100    |
| 74) Fluoranthene               | 19.24 | 202 | 1752819  | 18.48 | ng/ul  | 99     |
| 77) Pyrene                     | 19.60 | 202 | 2453268  | 25.51 | ng/ul  | 98     |
| 80) Benzo(a)anthracene         | 21.35 | 228 | 1402524m | 13.65 | ng/ul  |        |
| 81) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 105516   | 1.91  | ng/ul# | 96     |
| 82) Chrysene                   | 21.40 | 228 | 1476054  | 15.72 | ng/ul  | 96     |
| 85) Benzo(b)fluoranthene       | 22.96 | 252 | 1663332  | 14.57 | ng/ul  | 97     |
| 86) Benzo(k)fluoranthene       | 23.00 | 252 | 567233m  | 5.29  | ng/ul  |        |
| 88) Benzo(a)pyrene             | 23.54 | 252 | 1363280  | 12.60 | ng/ul  | 100    |
| 89) Indeno(1,2,3-cd)pyrene     | 25.93 | 276 | 889321   | 6.71  | ng/ul  | 97     |
| 90) Dibenzo(a,h)anthracene     | 25.94 | 278 | 245477   | 2.21  | ng/ul# | 93     |
| 91) Benzo(g,h,i)perylene       | 26.64 | 276 | 828183   | 7.39  | ng/ul  | 98     |

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

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM081316\  
Data File : BM007104.D  
Acq On : 14 Aug 2016 12:51  
Operator : UM/SJ  
Sample : H4387-10  
Misc :  
ALS Vial : 69 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
P003-SS003-0206-01

Manual Integrations  
APPROVED

sohil  
8/15/2016 6:55:28 PM

Quant Time: Aug 15 14:50:21 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM081116.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 15 10:34:14 2016  
Response via : Initial Calibration

