

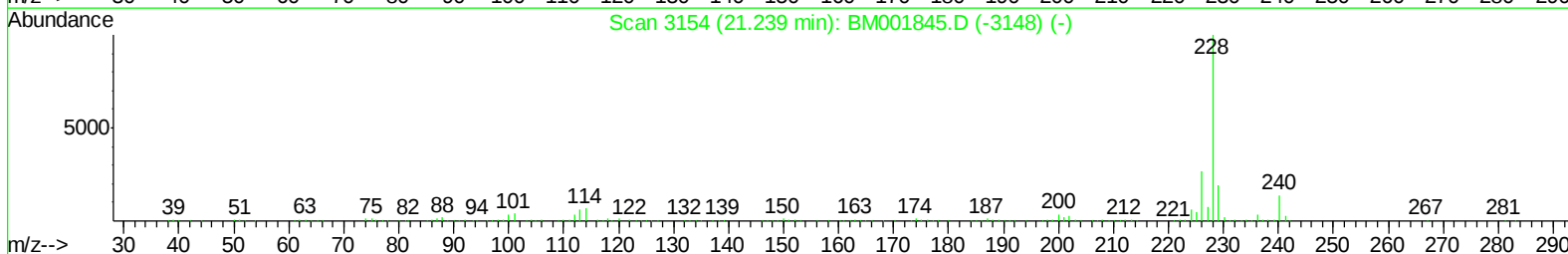
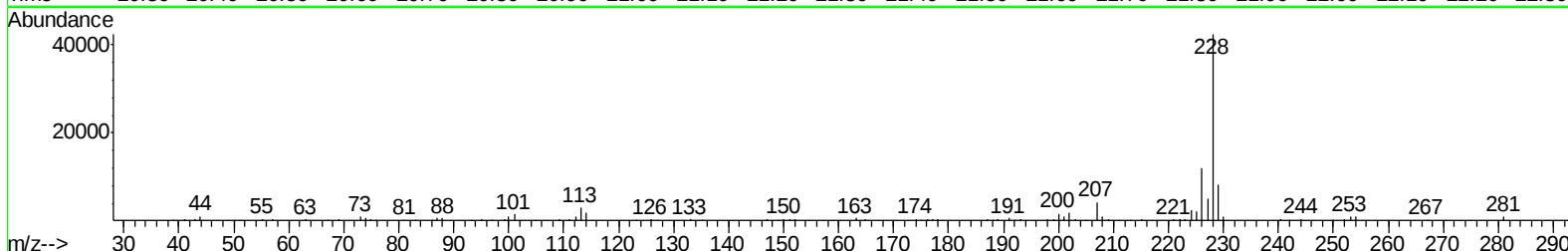
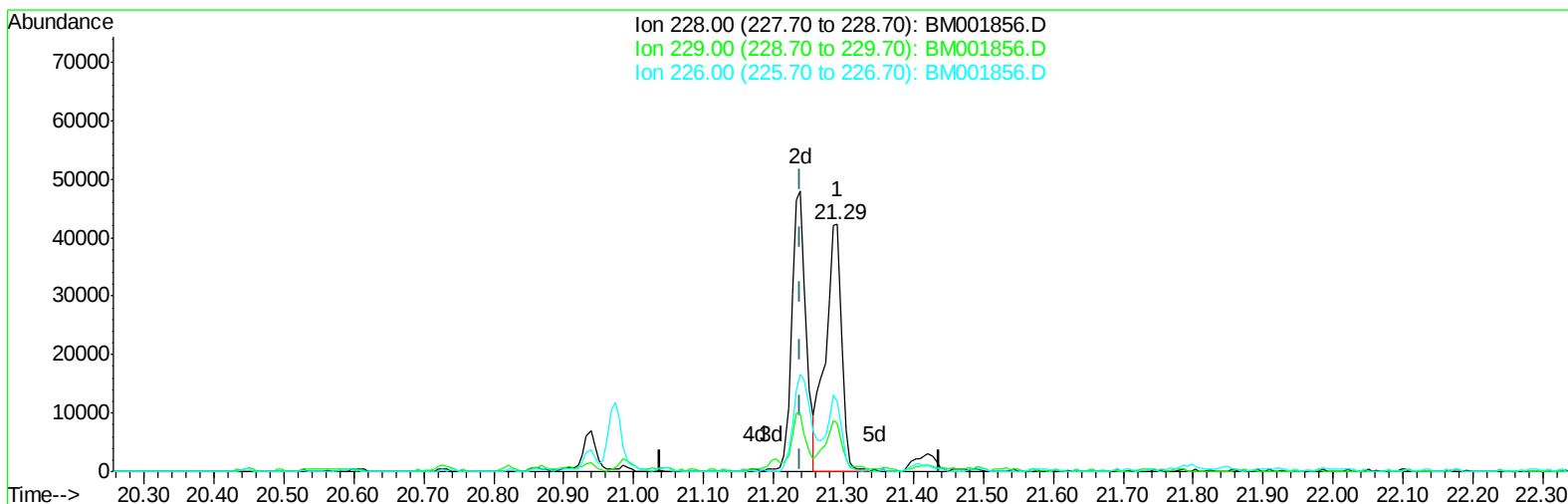
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\  
Data File : BM001856.D  
Acq On : 07 Jul 2015 04:21  
Operator : TP/UM  
Sample : G2860-18 10X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
G93K3

Manual Integrations  
APPROVED

apatel  
7/8/2015 4:23:54 PM

Quant Time: Jul 07 18:51:05 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 07 04:02:33 2015  
Response via : Initial Calibration



TIC: BM001856.D

(82) Benzo(a)anthracene  
21.291min (+0.053) 3.26ng/ul  
response 68238

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.20 | 19.69 |
| 226.00 | 25.70 | 28.55 |
| 0.00   | 0.00  | 0.00  |

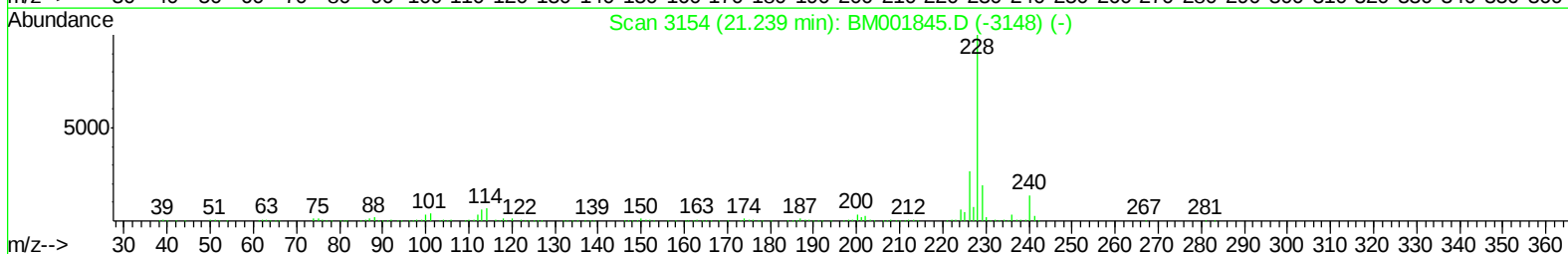
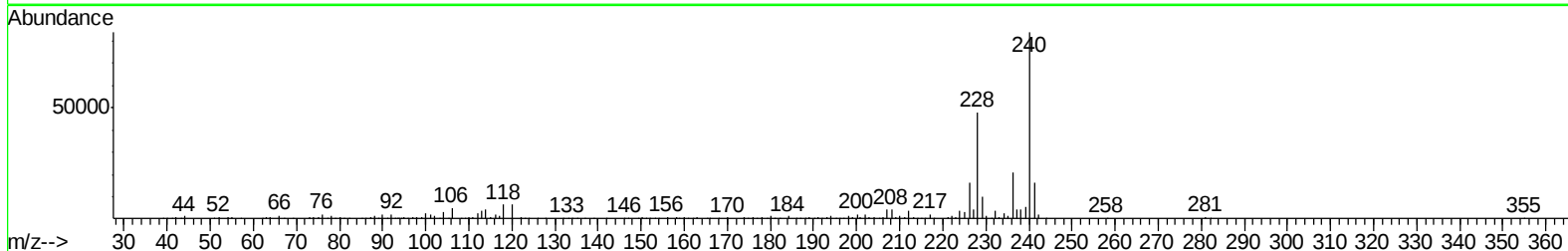
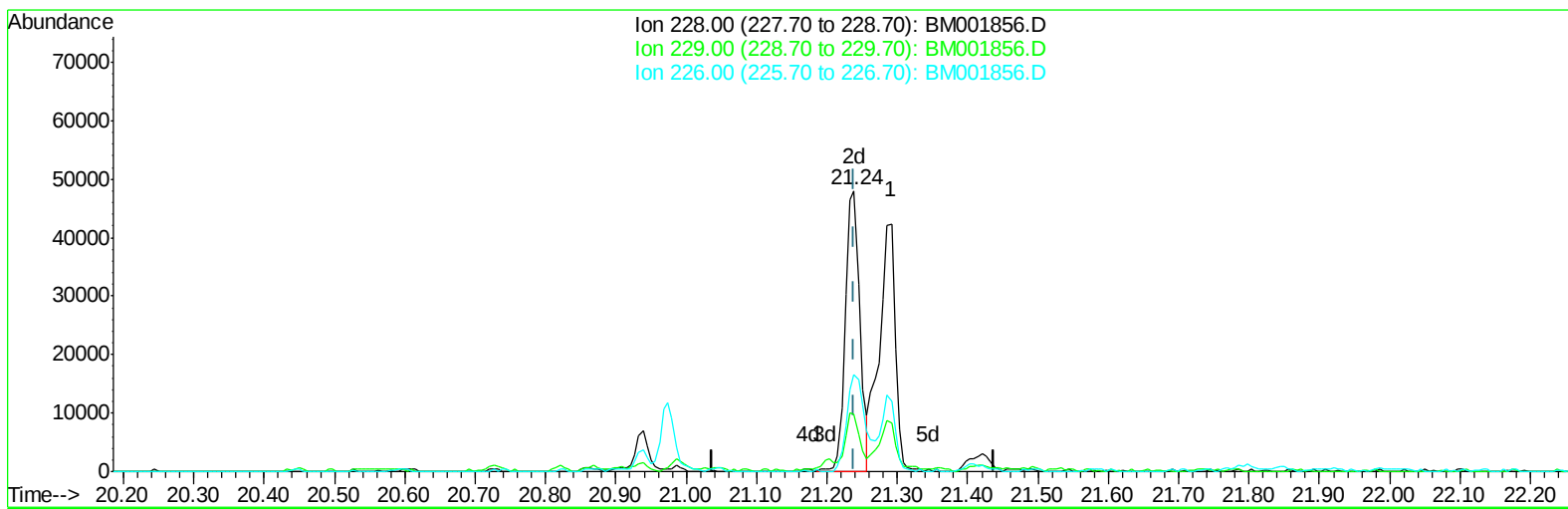
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Manual Integrations  
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Response via : Initial Calibration



TIC: BM001856.D

(82) Benzo(a)anthracene

21.238min (-0.000) 3.31ng/ul m

response 69220

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.20 | 20.57  |
| 226.00 | 25.70 | 34.54# |
| 0.00   | 0.00  | 0.00   |

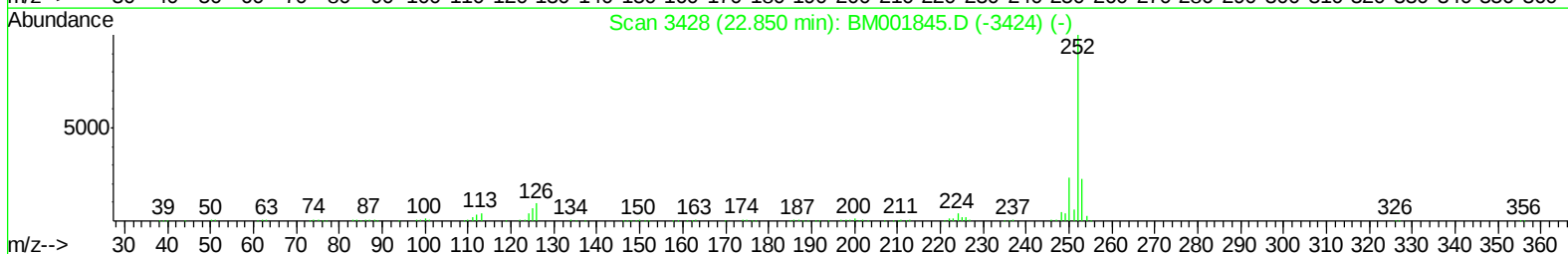
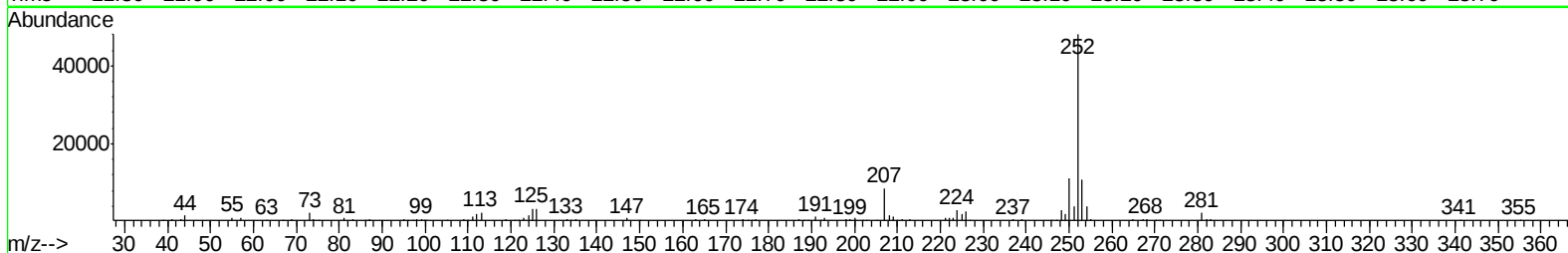
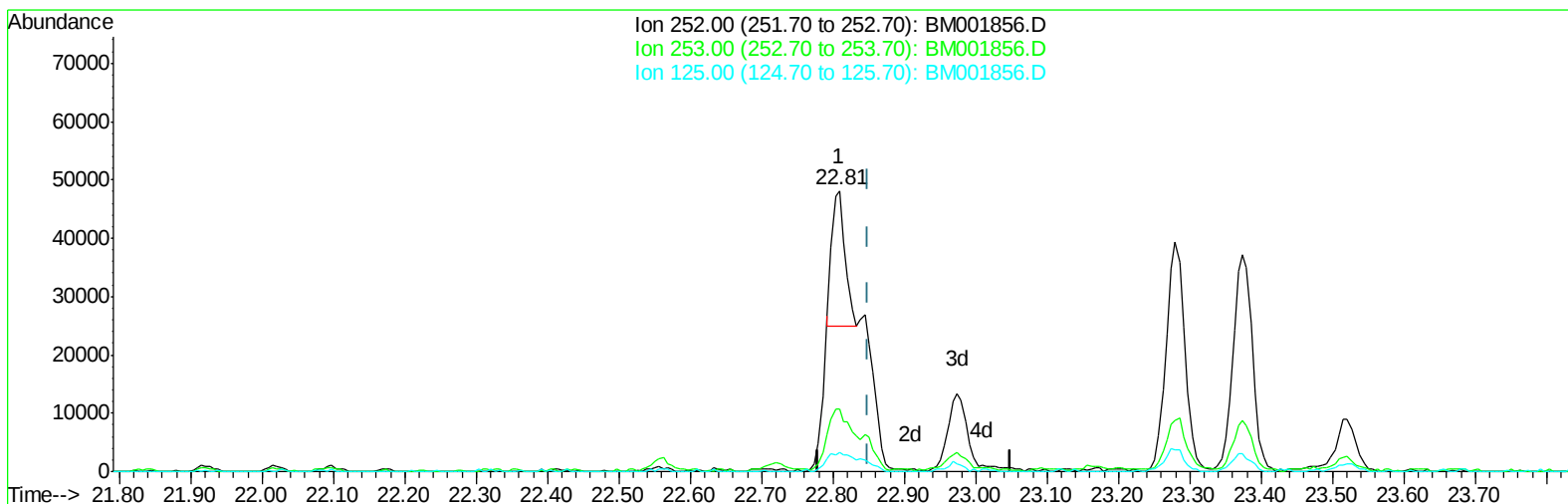
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Sample : G2860-18 10X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
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Manual Integrations  
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apatel  
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TIC: BM001856.D

(88) Benzo(k)fluoranthene

22.809min (-0.041) 1.50ng/ul

response 30107

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 22.39 |
| 125.00 | 6.60  | 7.00  |
| 0.00   | 0.00  | 0.00  |

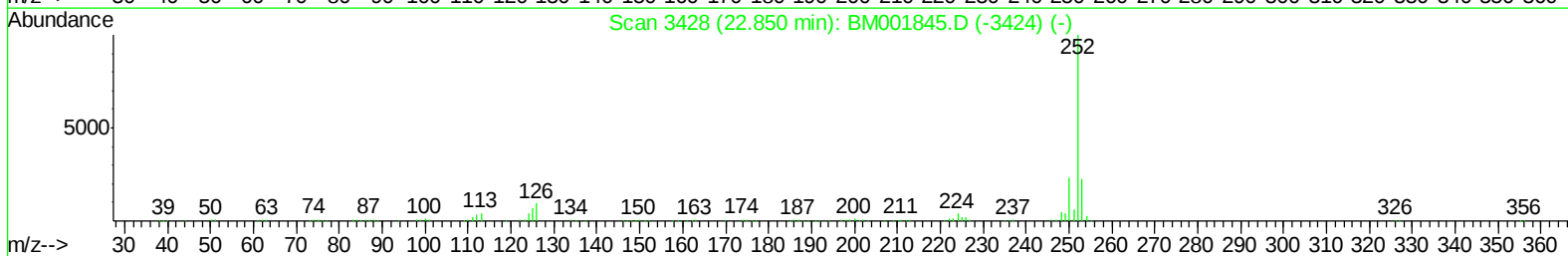
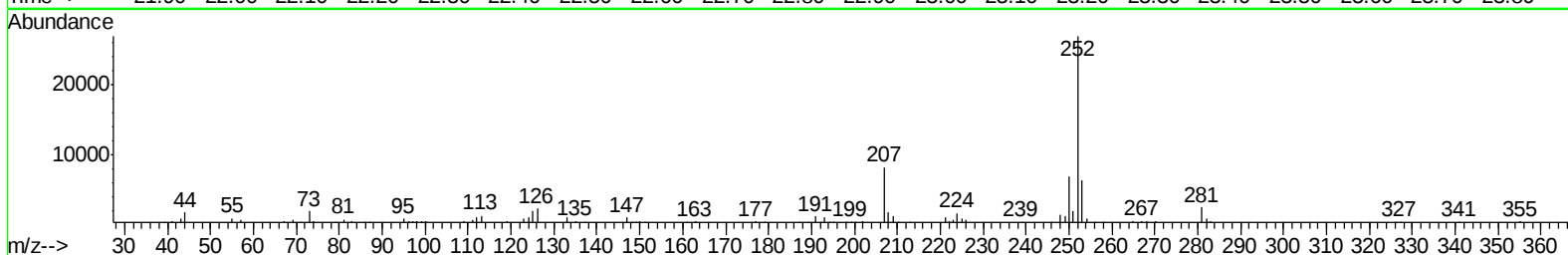
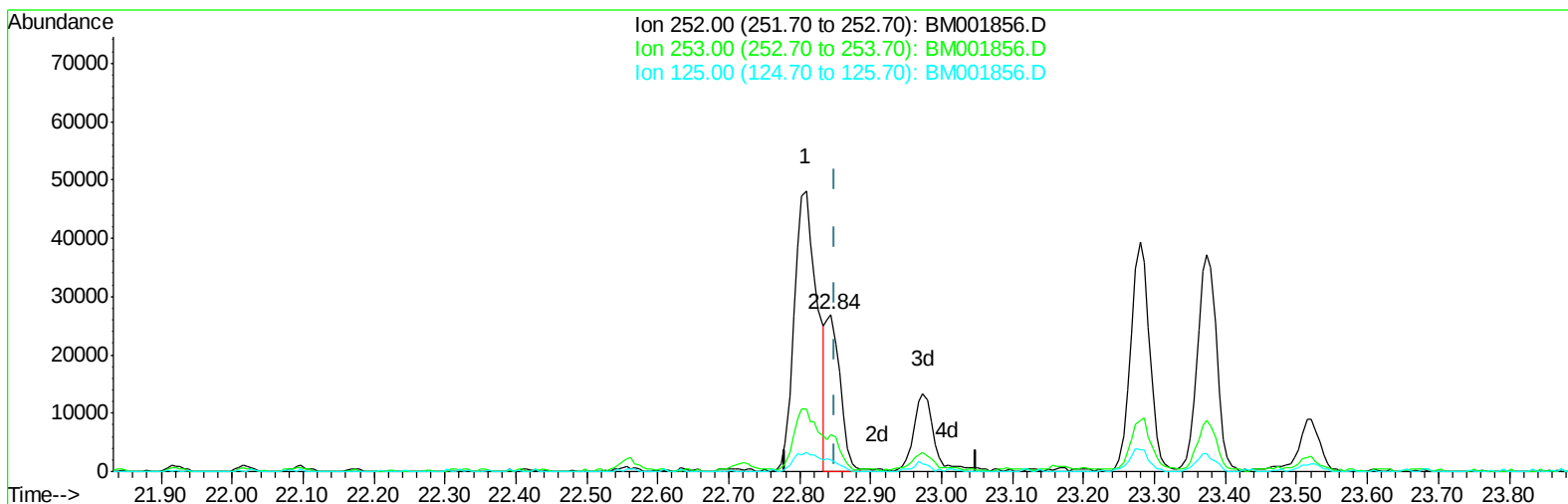
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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_M  
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Manual Integrations  
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Quant Time: Jul 07 18:51:05 2015  
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Response via : Initial Calibration



TIC: BM001856.D

(88) Benzo(k)fluoranthene

22.844min (-0.006) 1.90ng/ul m

response 38198

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.78 |
| 125.00 | 6.60  | 7.25  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\HPCHEM1\BNA M\Data\BM070615\  
 Data File : BM001856.D  
 Acq On : 07 Jul 2015 04:21  
 Operator : TP/UM  
 Sample : G2860-18 10X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G93K3

Manual Integrations  
 APPROVED

apatel  
 7/8/2015 4:23:54 PM

Quant Time: Jul 08 07:30:43 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 07 04:02:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 57174    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 226422   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 134587   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 307996   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 357900   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.47 | 264  | 357501   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0     | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 6.83  | 99  | 6531  | 1.49 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 3481  | 1.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 5107  | 1.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 5037  | 1.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 1898  | 1.21 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 2464  | 1.44 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 5333  | 1.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 3445  | 0.92 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 15050 | 1.51 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 19437 | 1.49 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 1304  | 0.71 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 16006 | 1.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 1343  | 0.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 23727 | 1.65 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.46 | 212 | 26257 | 1.73 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.33 | 264 | 25125 | 1.59 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |      |        | Ovalue |
|----------------------------|-------|-----|--------|------|--------|--------|
| 47) Acenaphthylene         | 14.04 | 152 | 26267  | 1.97 | ng/ul  | 99     |
| 69) Phenanthrene           | 17.10 | 178 | 36603  | 2.19 | ng/ul  | 99     |
| 76) Fluoranthene           | 19.12 | 202 | 83810  | 4.20 | ng/ul  | 99     |
| 79) Pyrene                 | 19.49 | 202 | 126144 | 6.35 | ng/ul  | 98     |
| 82) Benzo(a)anthracene     | 21.24 | 228 | 69220m | 3.31 | ng/ul  |        |
| 84) Chrysene               | 21.29 | 228 | 68238  | 3.44 | ng/ul  | 99     |
| 87) Benzo(b)fluoranthene   | 22.81 | 252 | 107787 | 5.18 | ng/ul  | 99     |
| 88) Benzo(k)fluoranthene   | 22.84 | 252 | 38198m | 1.90 | ng/ul  |        |
| 90) Benzo(a)pyrene         | 23.37 | 252 | 70680  | 3.49 | ng/ul  | 97     |
| 91) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 78578  | 3.27 | ng/ul  | 96     |
| 93) Benzo(g,h,i)perylene   | 26.40 | 276 | 77101  | 3.82 | ng/ul# | 96     |

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

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