

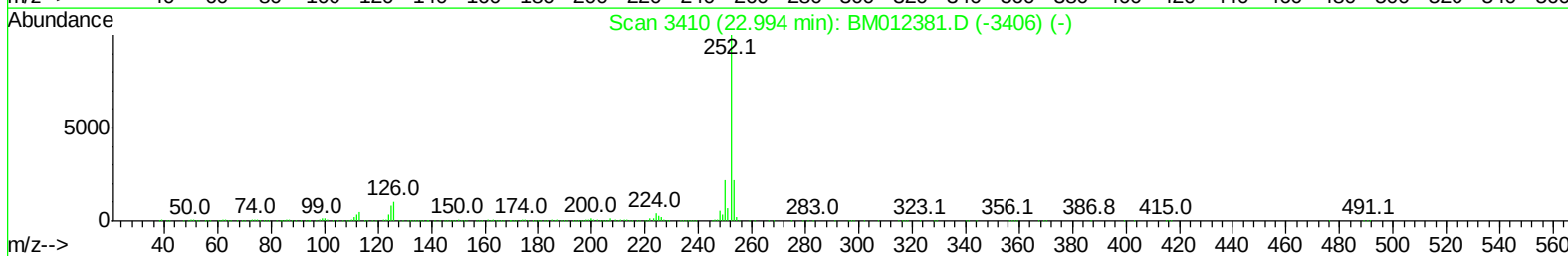
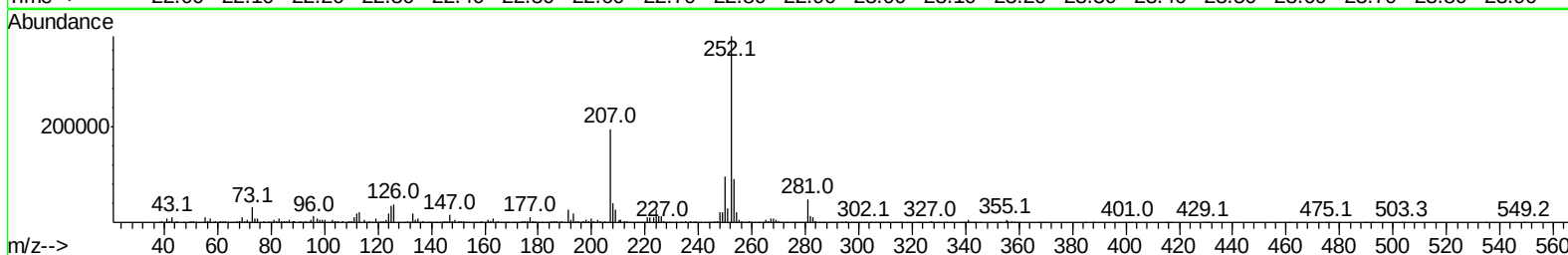
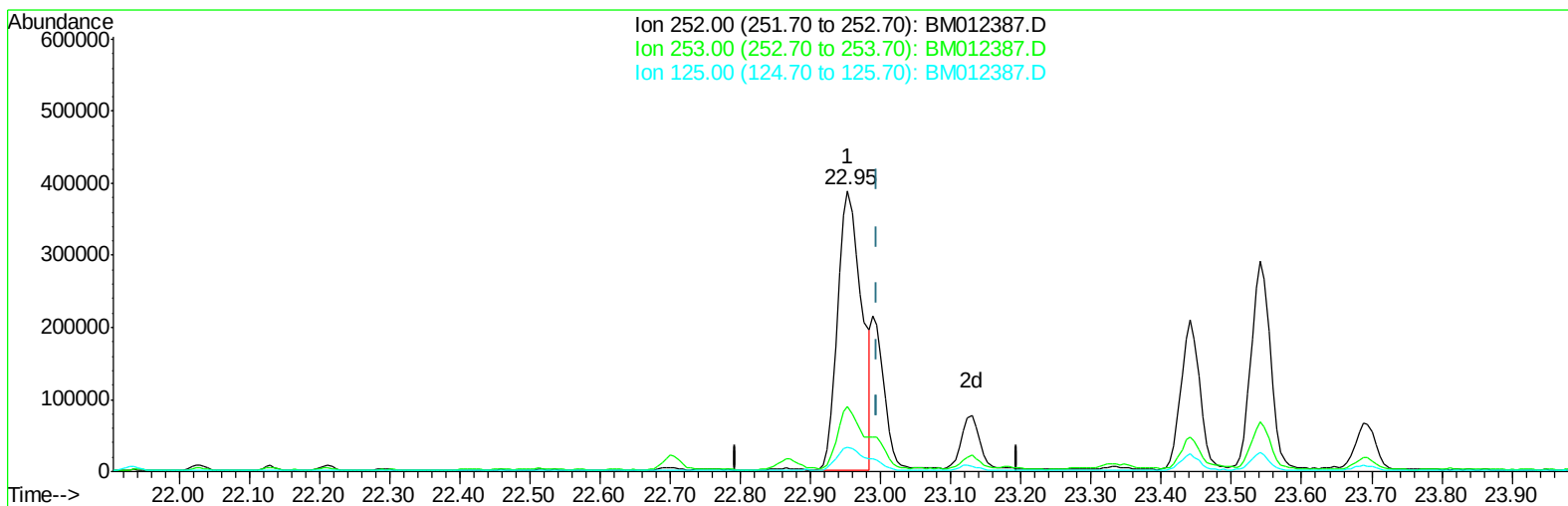
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\  
Data File : BM012387.D  
Acq On : 22 Oct 2017 08:43  
Operator : SJ/JU  
Sample : I5701-10  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
B0CH1

Manual Integrations  
APPROVED

Sohil  
10/23/2017 4:00:33 PM

Quant Time: Oct 23 08:36:13 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Oct 23 08:22:49 2017  
Response via : Initial Calibration



TIC: BM012387.D

(86) Benzo(k)fluoranthene

22.953min (-0.041) 10.74ng/ul

response 916223

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 23.09 |
| 125.00 | 6.10  | 8.68# |
| 0.00   | 0.00  | 0.00  |

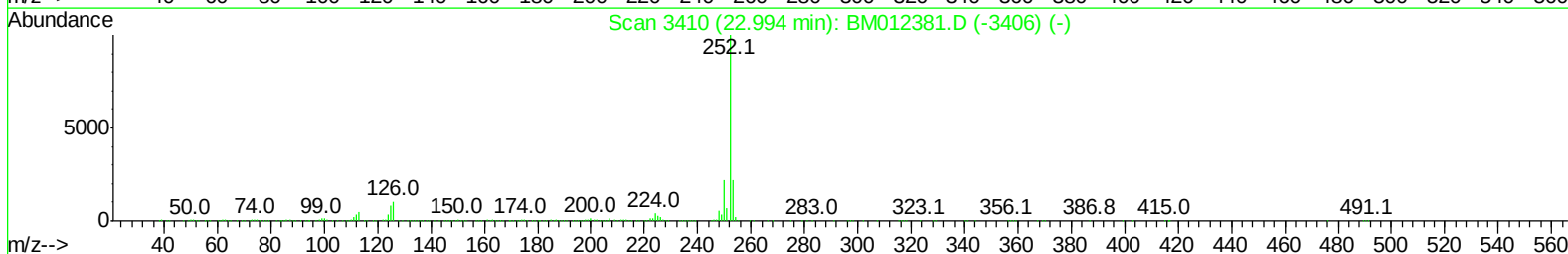
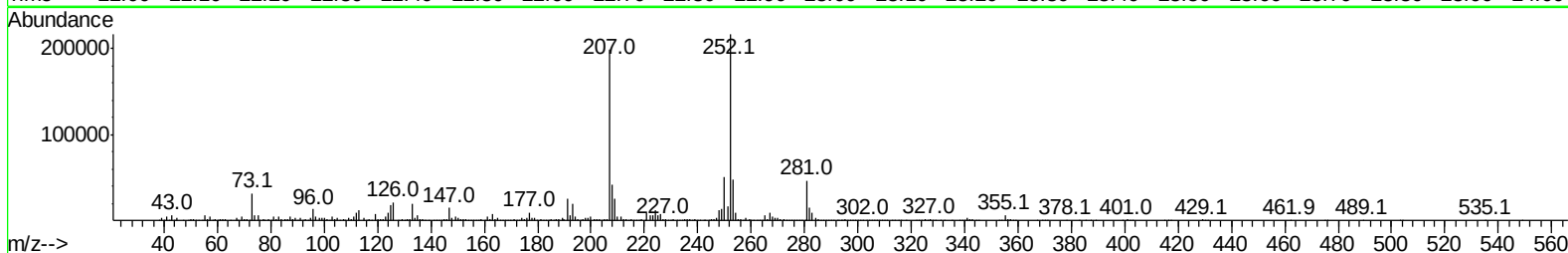
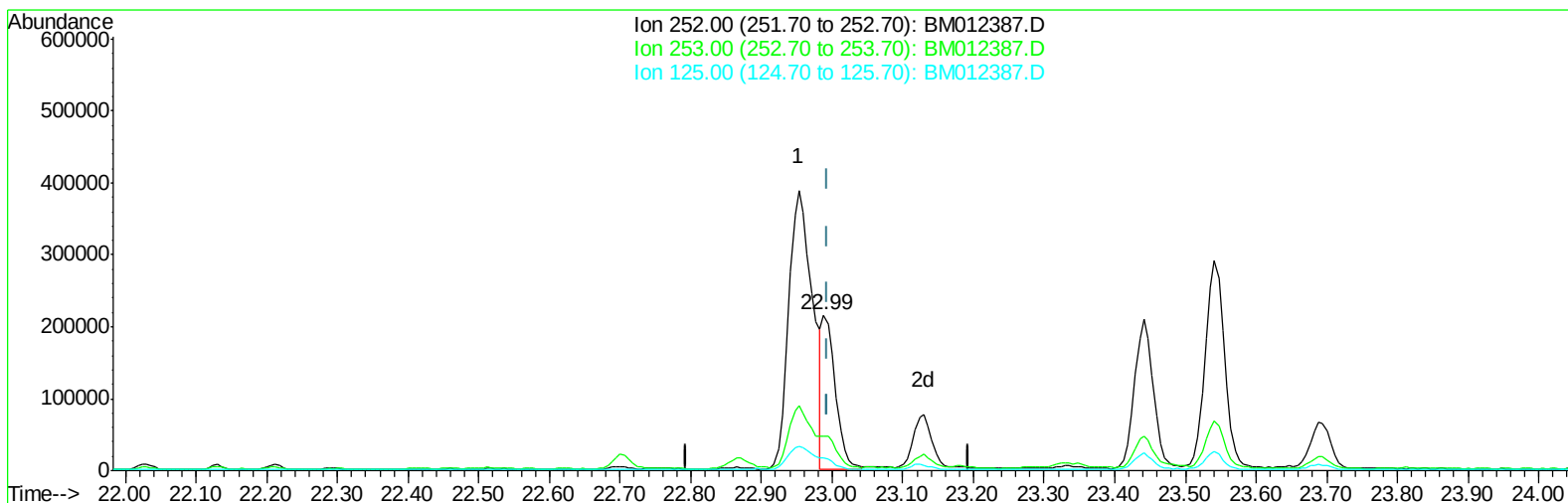
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TIC: BM012387.D

(86) Benzo(k)fluoranthene

22.988min (-0.006) 3.22ng/ul m

response 274377

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.20 | 22.04 |
| 125.00 | 6.10  | 8.46# |
| 0.00   | 0.00  | 0.00  |

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 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
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Quant Time: Oct 23 08:53:44 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 08:22:49 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 310120   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 1365674  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 844433   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.17 | 188  | 1936575  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.35 | 240  | 1696069  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.64 | 264  | 1356073  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 17081   | 2.62  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 378550  | 15.04 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 250996  | 16.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 350008  | 16.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.48  | 113 | 342664  | 15.82 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 166548  | 15.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 204981  | 16.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.20 | 165 | 378280  | 16.27 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.71 | 131 | 413286  | 18.99 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1321039 | 17.70 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.11 | 160 | 1560079 | 17.27 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 101385  | 9.04  | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.41 | 176 | 1109000 | 18.10 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 141717  | 10.66 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.27 | 188 | 1662311 | 17.36 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.57 | 212 | 1806527 | 20.98 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.49 | 264 | 1118453 | 17.11 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        | Ovalue |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                  | 6.97  | 94  | 74457   | 2.862  | ng/ul# | 87  |
| 44) Dimethylphthalate      | 13.87 | 163 | 411872  | 5.508  | ng/ul  | 99  |
| 69) Phenanthrene           | 17.21 | 178 | 304103  | 2.760  | ng/ul  | 100 |
| 74) Fluoranthene           | 19.23 | 202 | 1177654 | 8.858  | ng/ul  | 98  |
| 77) Pyrene                 | 19.59 | 202 | 1175696 | 10.496 | ng/ul  | 96  |
| 80) Benzo(a)anthracene     | 21.34 | 228 | 829269  | 7.514  | ng/ul  | 99  |
| 82) Chrysene               | 21.39 | 228 | 748508  | 7.224  | ng/ul  | 97  |
| 85) Benzo(b)fluoranthene   | 22.95 | 252 | 916223  | 10.353 | ng/ul# | 96  |
| 86) Benzo(k)fluoranthene   | 22.99 | 252 | 274377m | 3.217  | ng/ul  |     |
| 88) Benzo(a)pyrene         | 23.54 | 252 | 549421  | 6.587  | ng/ul# | 95  |
| 89) Indeno(1,2,3-cd)pyrene | 25.98 | 276 | 391688  | 4.422  | ng/ul  | 95  |
| 90) Dibenzo(a,h)anthracene | 25.97 | 278 | 113245  | 1.521  | ng/ul# | 83  |
| 91) Benzo(g,h,i)perylene   | 26.70 | 276 | 303282  | 4.181  | ng/ul  | 96  |

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

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