

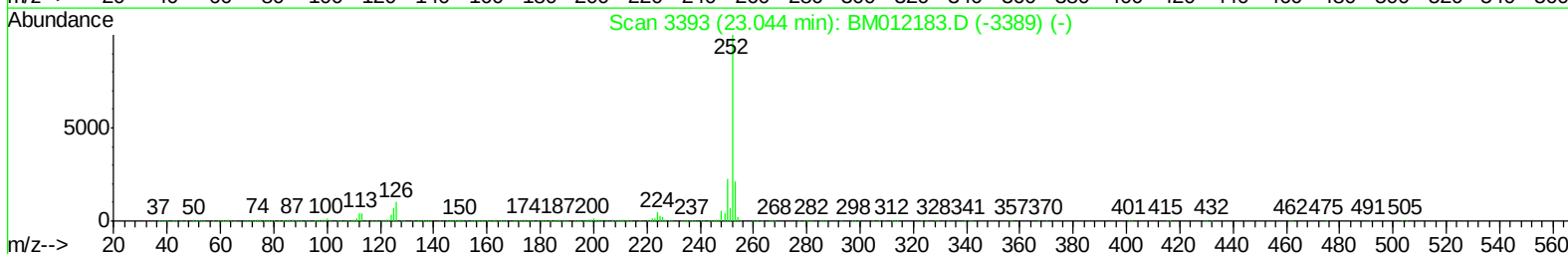
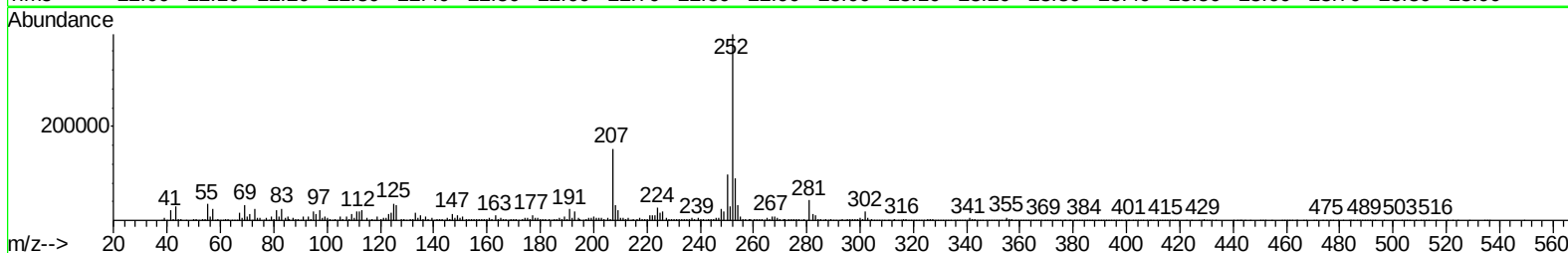
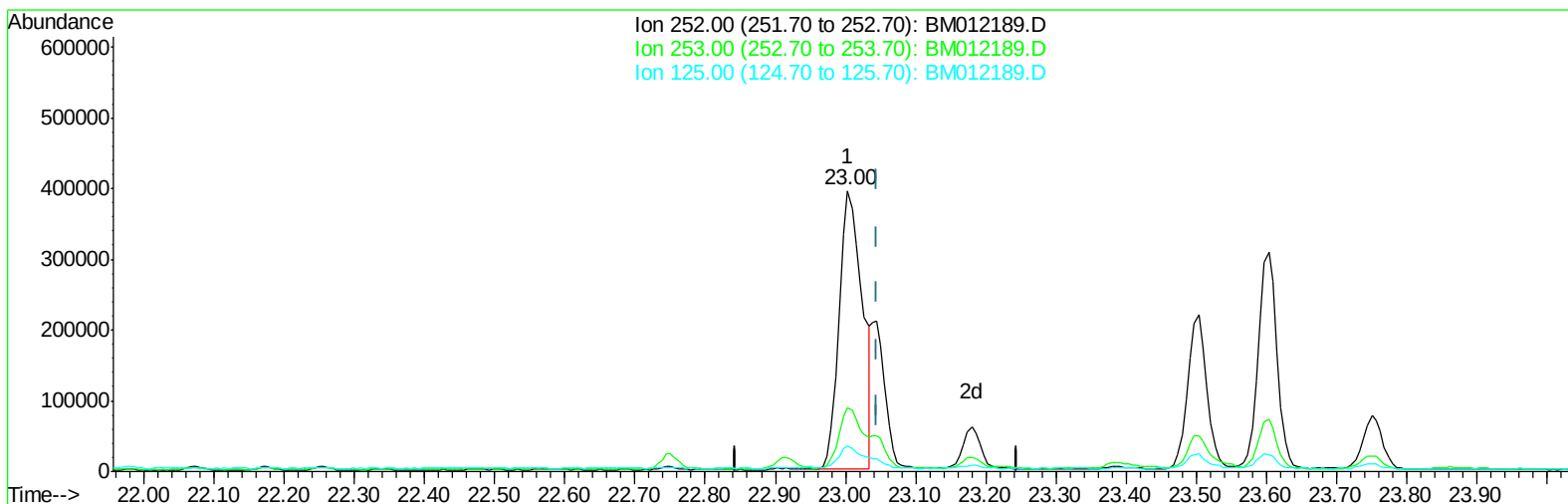
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\  
Data File : BM012189.D  
Acq On : 15 Oct 2017 02:30  
Operator : SJ/JU  
Sample : I5522-22  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0AD0

Manual Integrations  
APPROVED

Sohil  
10/16/2017 7:48:22 PM

Quant Time: Oct 15 06:28:55 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sun Oct 15 06:19:21 2017  
Response via : Initial Calibration



TIC: BM012189.D

(86) Benzo(k)fluoranthene

23.003min (-0.041) 15.37ng/ul

response 894248

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 22.81 |
| 125.00 | 4.30  | 9.11# |
| 0.00   | 0.00  | 0.00  |

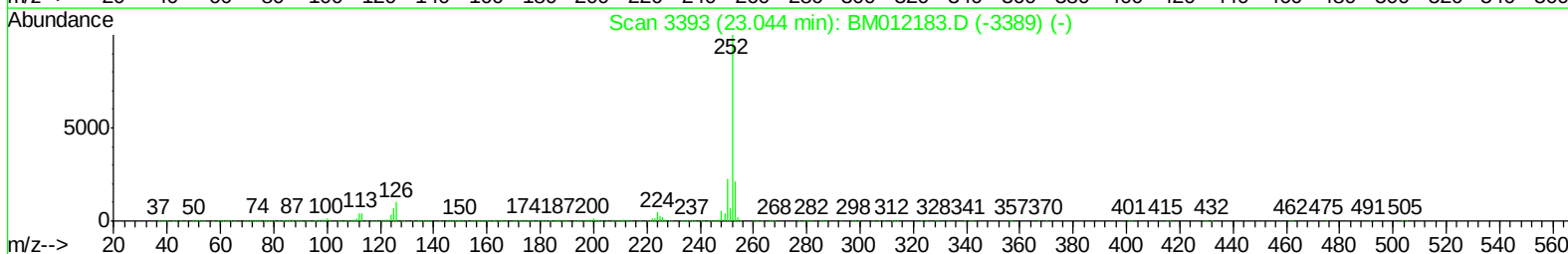
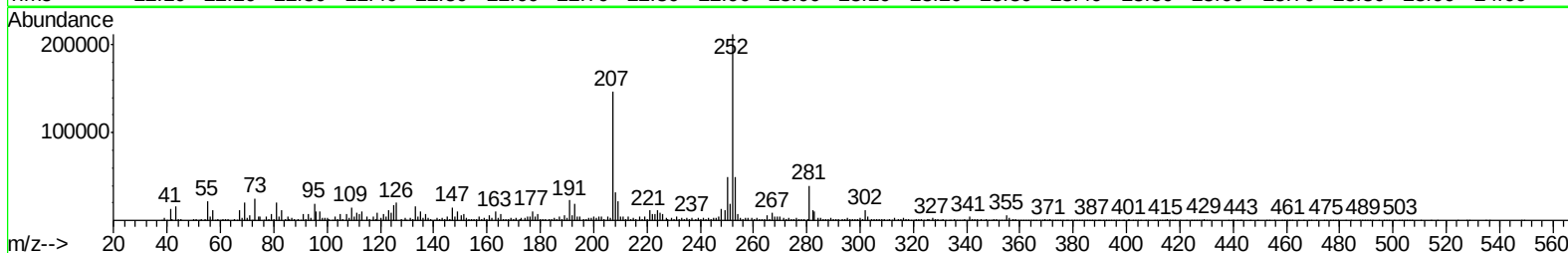
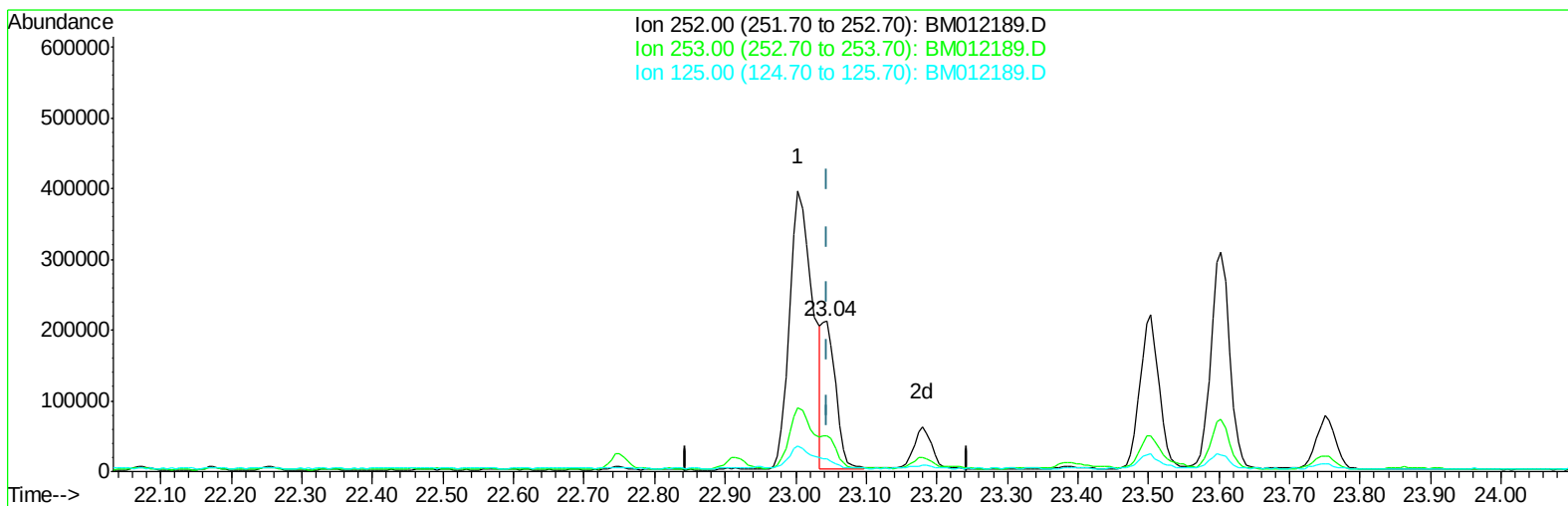
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TIC: BM012189.D

(86) Benzo(k)fluoranthene

23.044min (-0.000) 5.05ng/ul m

response 293534

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 21.40 | 23.73 |
| 125.00 | 4.30  | 8.30# |
| 0.00   | 0.00  | 0.00  |

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Instrument :  
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 ClientSampleId :  
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Manual Integrations  
 APPROVED

Sohil  
 10/16/2017 7:48:22 PM

Quant Time: Oct 15 06:58:44 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 15 06:19:21 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 166982   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 745949   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 481734   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 1169616  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.39 | 240  | 1087723  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.70 | 264  | 924902   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 14615   | 4.16  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.98  | 99  | 358612  | 26.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 213218  | 26.24 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.34  | 132 | 330575  | 28.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 300869  | 25.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 169233  | 29.73 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 207116  | 31.14 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 400065  | 31.50 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 276180  | 23.24 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 1345386 | 31.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1662646 | 32.26 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 137498  | 21.48 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 1184295 | 33.89 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 152198  | 18.96 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 1828414 | 31.62 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.60 | 212 | 2105112 | 38.13 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.56 | 264 | 1434753 | 32.18 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 34) 2-Methylnaphthalene        | 12.28 | 142 | 36806   | 1.26  | ng/ul  | 96     |
| 44) Dimethylphthalate          | 13.92 | 163 | 380608  | 8.92  | ng/ul  | 100    |
| 49) Acenaphthene               | 14.53 | 153 | 36403   | 1.07  | ng/ul  | 97     |
| 69) Phenanthrene               | 17.25 | 178 | 1018633 | 15.31 | ng/ul  | 99     |
| 71) Anthracene                 | 17.34 | 178 | 146747  | 2.13  | ng/ul  | 98     |
| 72) Carbazole                  | 17.62 | 167 | 84785   | 1.45  | ng/ul  | 99     |
| 73) Di-n-butylphthalate        | 18.16 | 149 | 330697  | 4.09  | ng/ul  | 98     |
| 74) Fluoranthene               | 19.27 | 202 | 1743558 | 21.71 | ng/ul# | 95     |
| 77) Pyrene                     | 19.63 | 202 | 1493248 | 20.79 | ng/ul# | 94     |
| 80) Benzo(a)anthracene         | 21.37 | 228 | 746970  | 10.55 | ng/ul  | 98     |
| 81) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 64895   | 1.35  | ng/ul  | 96     |
| 82) Chrysene                   | 21.43 | 228 | 741866  | 11.16 | ng/ul  | 98     |
| 85) Benzo(b)fluoranthene       | 23.00 | 252 | 894248  | 14.82 | ng/ul# | 97     |
| 86) Benzo(k)fluoranthene       | 23.04 | 252 | 293534m | 5.05  | ng/ul  |        |
| 88) Benzo(a)pyrene             | 23.60 | 252 | 567150  | 9.97  | ng/ul# | 97     |
| 89) Indeno(1,2,3-cd)pyrene     | 26.06 | 276 | 375651  | 6.22  | ng/ul  | 98     |
| 90) Dibenzo(a,h)anthracene     | 26.06 | 278 | 103208  | 2.03  | ng/ul# | 80     |
| 91) Benzo(g,h,i)perylene       | 26.79 | 276 | 301964  | 6.10  | ng/ul# | 93     |

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

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