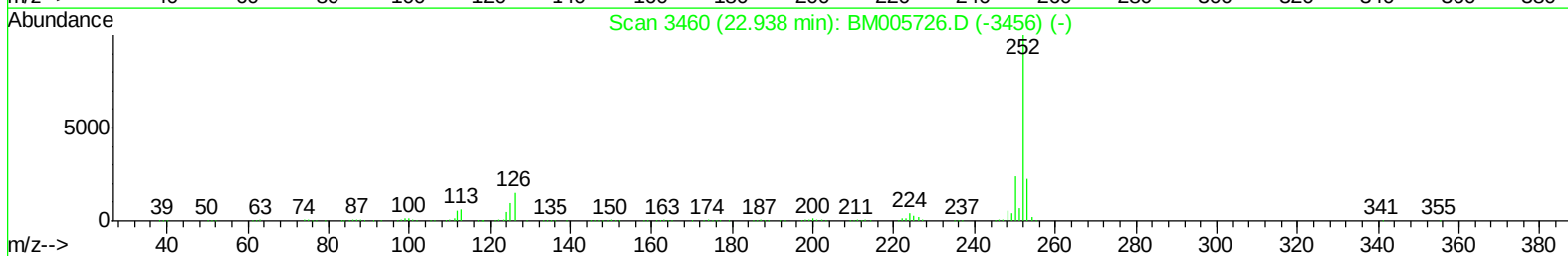
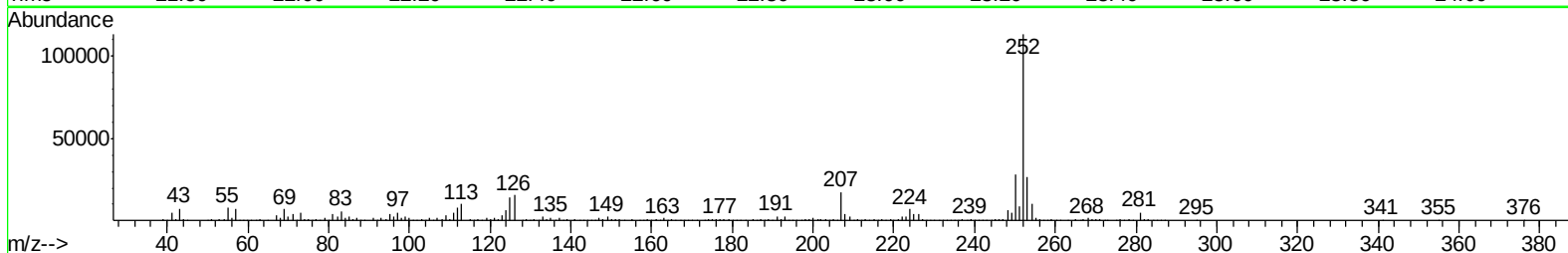
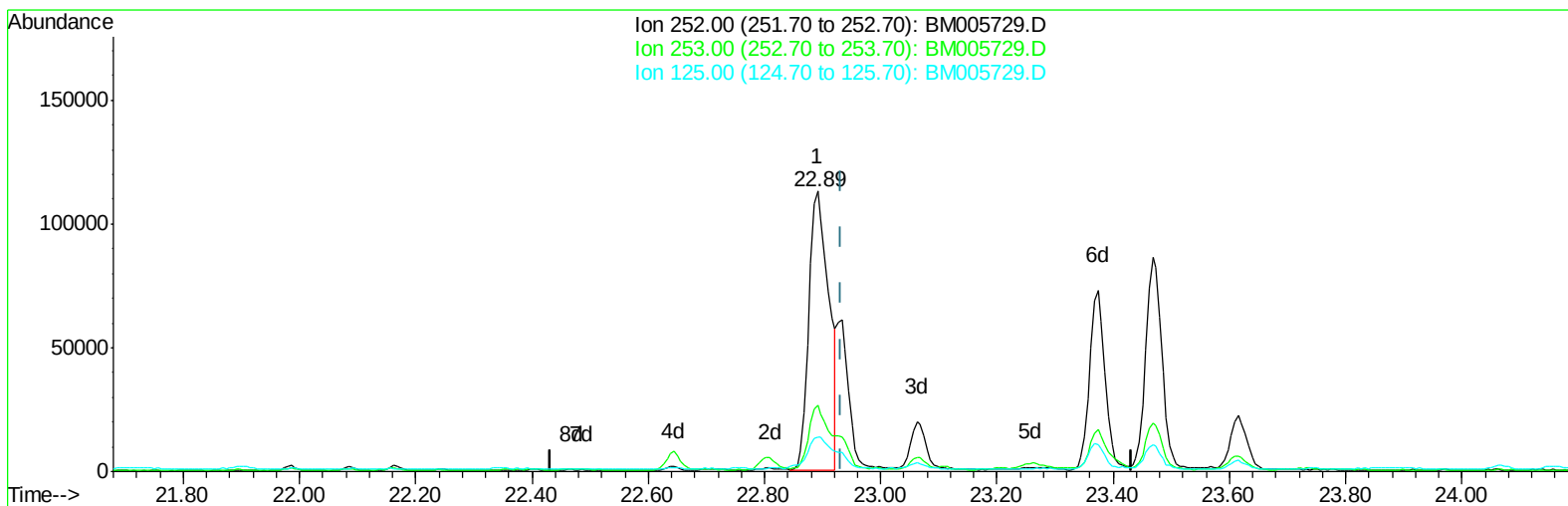


Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061116\  
Data File : BM005729.D  
Acq On : 11 Jun 2016 16:31  
Operator : UM/SJ  
Sample : H3411-10  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 23:26:19 2016  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061016.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Sat Jun 11 23:08:56 2016  
Response via : Initial Calibration



TIC: BM005729.D

(36) Benzo(k)fluoranthene

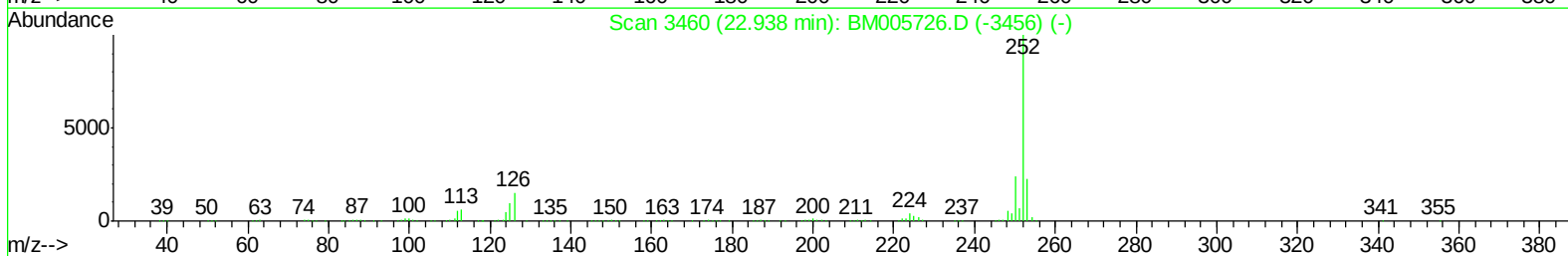
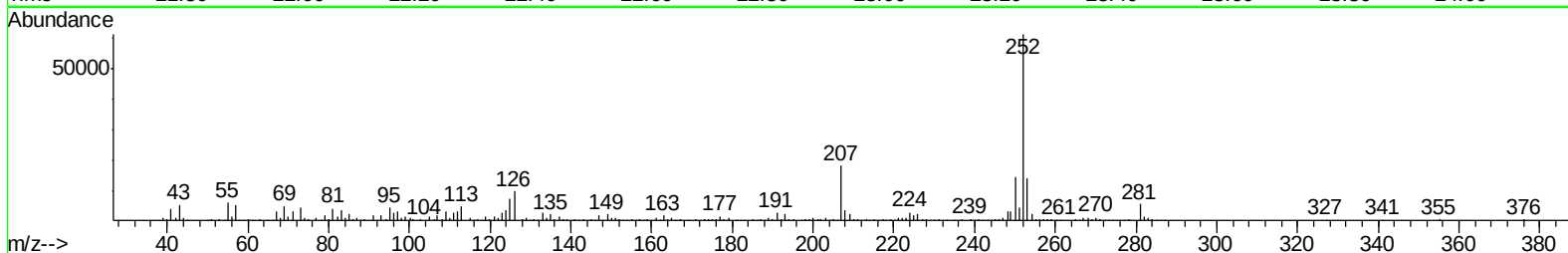
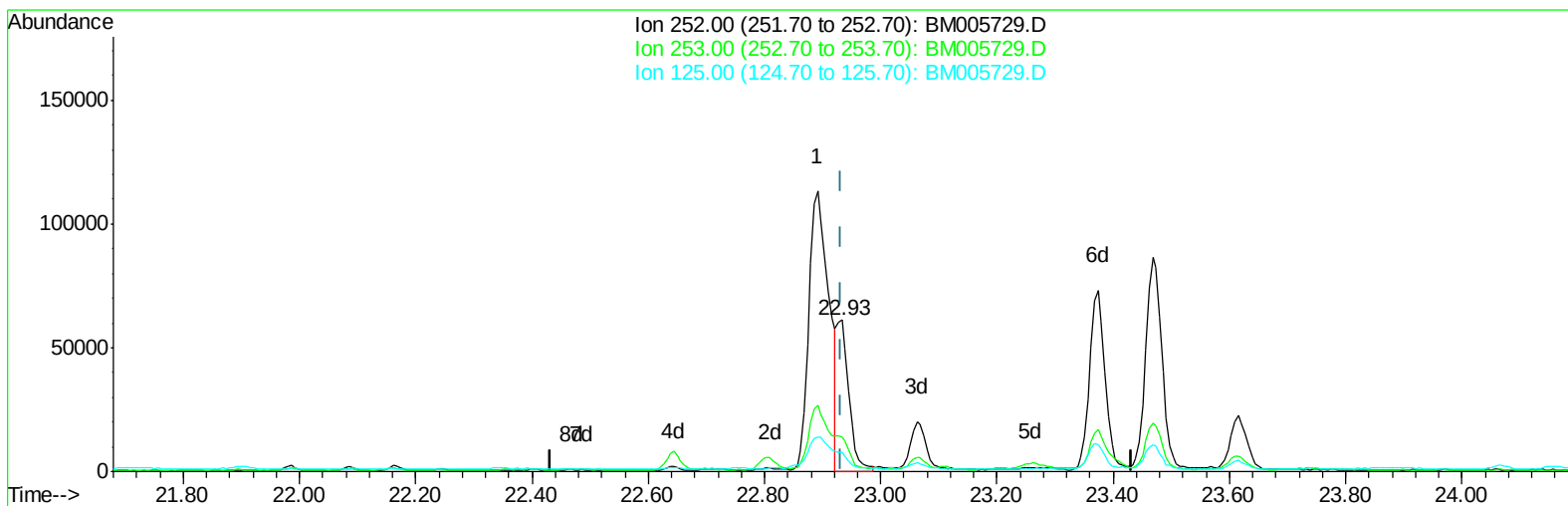
22.892min (-0.041) 8.21ng/ul

response 269082

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.90 | 23.61  |
| 125.00 | 10.20 | 12.46# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061116\  
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Response via : Initial Calibration



TIC: BM005729.D

(36) Benzo(k)fluoranthene

22.933min (-0.000) 2.64ng/ul m

response 86612

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.90 | 23.12  |
| 125.00 | 10.20 | 12.37# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061116\  
 Data File : BM005729.D  
 Acq On : 11 Jun 2016 16:31  
 Operator : UM/SJ  
 Sample : H3411-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 23:44:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jun 11 23:08:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 87750    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 494880   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.39 | 164  | 318177   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 717129   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 659798   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.57 | 264  | 546085   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.19  | 96  | 2445   | 1.21  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.93  | 99  | 100979 | 13.33 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 71503  | 15.72 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.28  | 132 | 92013  | 15.03 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.46  | 113 | 68360  | 10.69 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.90  | 128 | 47298  | 13.26 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.63  | 143 | 52919  | 13.12 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 97563  | 13.34 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.68 | 131 | 71783  | 8.13  | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 376170 | 14.33 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.08 | 160 | 488001 | 15.20 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.63 | 143 | 30730  | 8.00  | ng/ul | 0.01 |
| 21) Fluorene-d10               | 15.38 | 176 | 336509 | 15.14 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 36489  | 9.84  | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.23 | 188 | 496871 | 14.71 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.53 | 212 | 551316 | 17.39 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.43 | 264 | 381643 | 15.32 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |        | Qvalue |
|----------------------------|-------|-----|--------|-------|--------|--------|
| 25) Phenanthrene           | 17.17 | 178 | 268700 | 6.85  | ng/ul  | 99     |
| 27) Anthracene             | 17.26 | 178 | 51246  | 1.29  | ng/ul  | 98     |
| 28) Fluoranthene           | 19.19 | 202 | 490816 | 10.65 | ng/ul  | 99     |
| 31) Pyrene                 | 19.56 | 202 | 440307 | 10.97 | ng/ul  | 99     |
| 32) Benzo(a)anthracene     | 21.30 | 228 | 223264 | 5.86  | ng/ul  | 99     |
| 33) Chrysene               | 21.35 | 228 | 256013 | 6.81  | ng/ul  | 97     |
| 35) Benzo(b)fluoranthene   | 22.89 | 252 | 269082 | 8.29  | ng/ul  | 97     |
| 36) Benzo(k)fluoranthene   | 22.93 | 252 | 86612m | 2.64  | ng/ul  |        |
| 38) Benzo(a)pyrene         | 23.47 | 252 | 168628 | 5.47  | ng/ul  | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 110454 | 3.67  | ng/ul  | 93     |
| 40) Dibenzo(a,h)anthracene | 25.85 | 278 | 29599  | 1.18  | ng/ul# | 87     |
| 41) Benzo(g,h,i)perylene   | 26.55 | 276 | 100756 | 4.01  | ng/ul  | 97     |

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

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