

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050916\  
 Data File : BM005362.D  
 Acq On : 09 May 2016 16:14  
 Operator : UM/SJ  
 Sample : H2888-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9WW3

Quant Time: May 10 04:25:44 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 10 04:23:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 89929    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 413576   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 253449   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 571391   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.35 | 240  | 611543   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.63 | 264  | 497301   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 2564   | 1.34  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 64560  | 7.92  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 51923  | 11.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 61808  | 10.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 42515  | 6.31  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 35469  | 12.01 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 39990  | 11.96 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 71119  | 11.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 66589  | 8.90  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 264218 | 13.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 315131 | 13.23 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.63 | 143 | 14322  | 3.86  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.40 | 176 | 232807 | 13.27 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 27883  | 8.67  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 356747 | 14.12 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 416891 | 14.77 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.48 | 264 | 302837 | 13.76 | ng/ul | 0.00 |

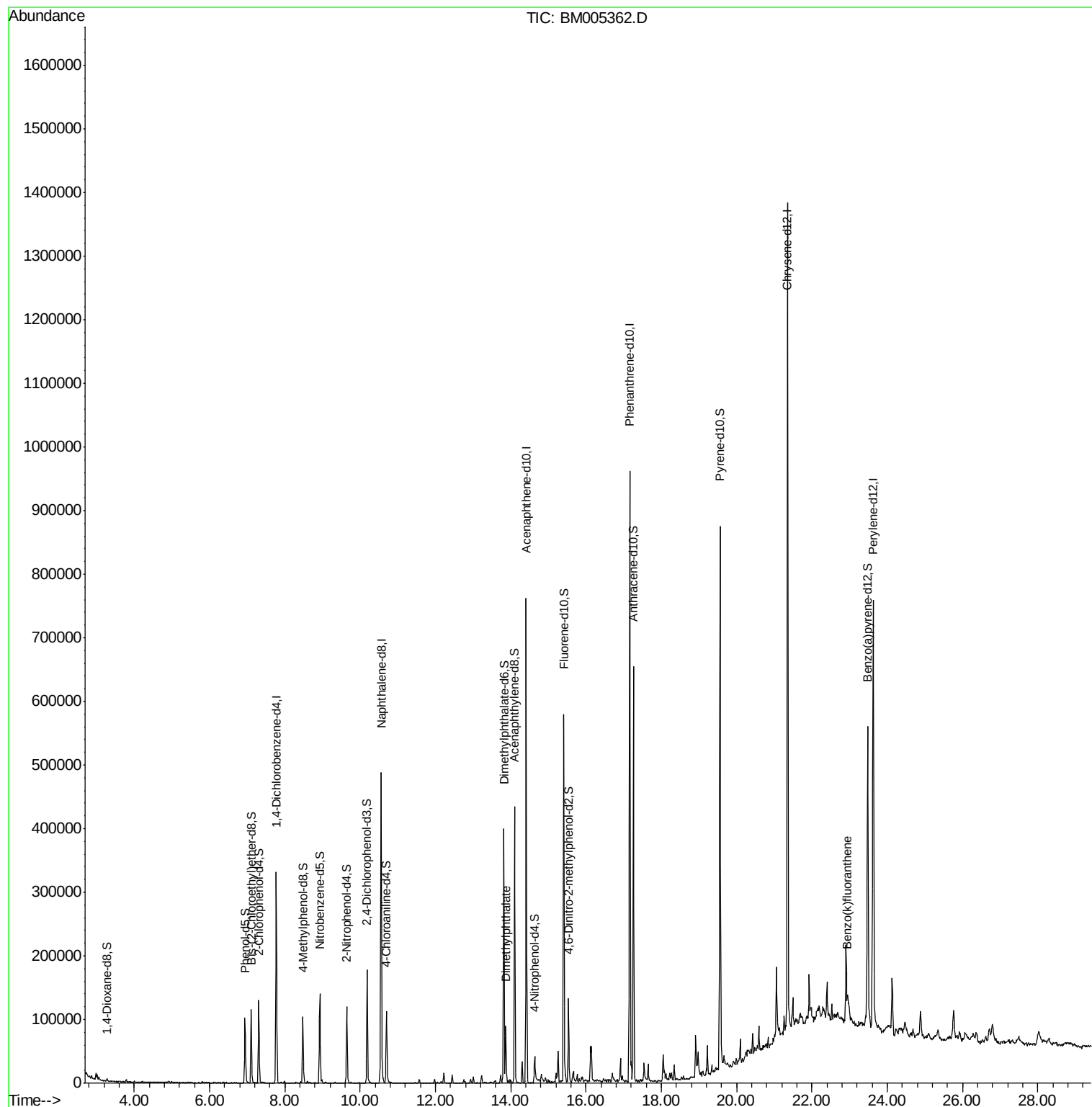
| Target Compounds         |       |     |       |      |        | Qvalue |
|--------------------------|-------|-----|-------|------|--------|--------|
| 44) Dimethylphthalate    | 13.86 | 163 | 53300 | 2.63 | ng/ul  | 98     |
| 86) Benzo(k)fluoranthene | 22.94 | 252 | 28050 | 1.02 | ng/ul# | 91     |

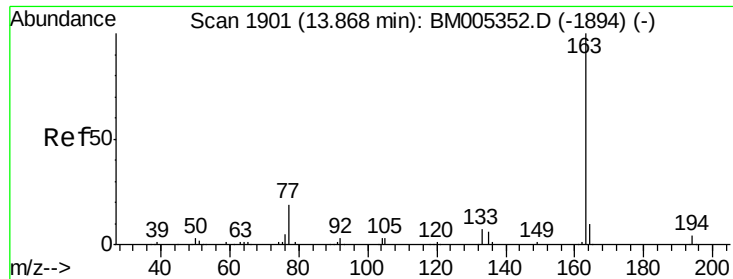
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 2.63 ng/ul

RT: 13.86 min Scan# 1900

Delta R.T. -0.01 min

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BNA\_M

ClientSampleId :

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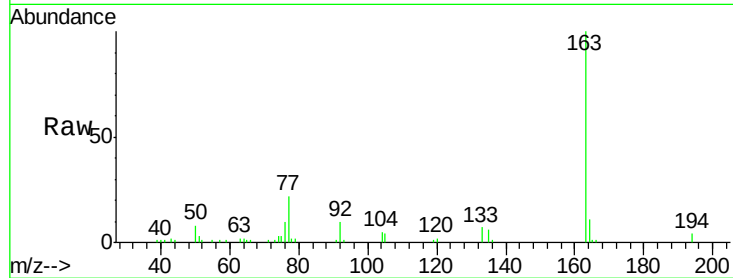
Tgt Ion:163 Resp: 53300

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

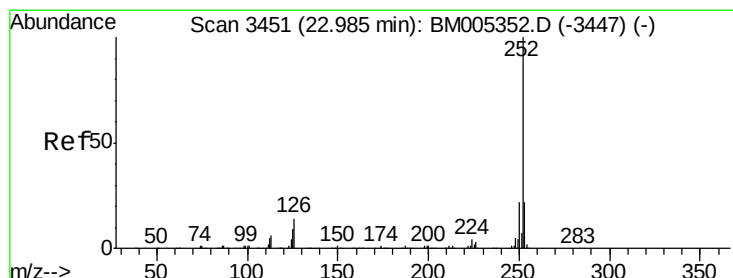
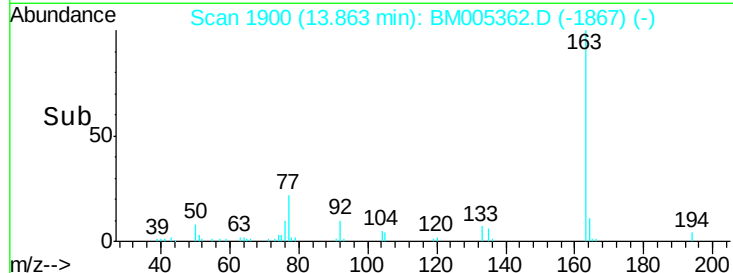
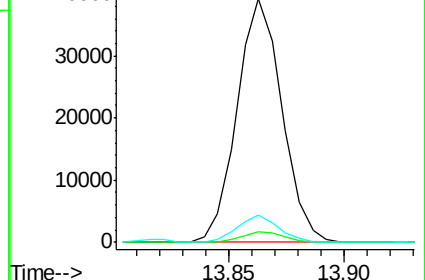
164 11.0 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#86

Benzo(k)fluoranthene

Concen: 1.02 ng/ul

RT: 22.94 min Scan# 3443

Delta R.T. -0.05 min

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Acq: 09 May 2016 16:14

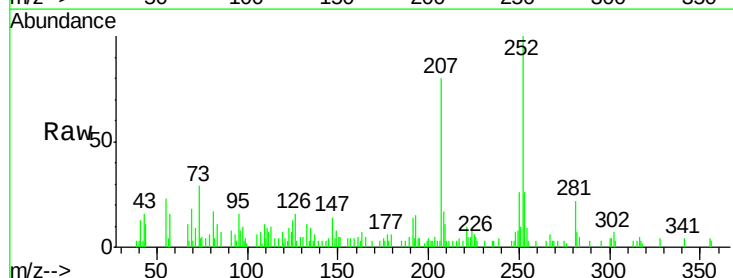
Tgt Ion:252 Resp: 28050

Ion Ratio Lower Upper

252 100

253 25.8 17.3 25.9

125 13.4 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

