

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111115\  
 Data File : BM003109.D  
 Acq On : 12 Nov 2015 06:49  
 Operator : UM/IZ  
 Sample : G4322-22  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4HT1

Quant Time: Nov 13 11:32:21 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM103015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 13 11:02:42 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 146979   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 697748   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.40 | 164  | 419848   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.14 | 188  | 945600   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 947342   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.60 | 264  | 782511   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 6918   | 2.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.91  | 99  | 153630 | 13.22 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 89254  | 13.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 130908 | 13.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 91714  | 9.79  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 66691  | 15.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 71407  | 16.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 132527 | 13.71 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 31752  | 2.54  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.80 | 166 | 469634 | 14.87 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.09 | 160 | 467342 | 11.68 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.59 | 143 | 75401  | 14.16 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.39 | 176 | 316877 | 11.60 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 59513  | 13.59 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.24 | 188 | 446035 | 10.64 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.54 | 212 | 411112 | 8.82  | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.45 | 264 | 274214 | 7.37  | ng/ul | 0.00 |

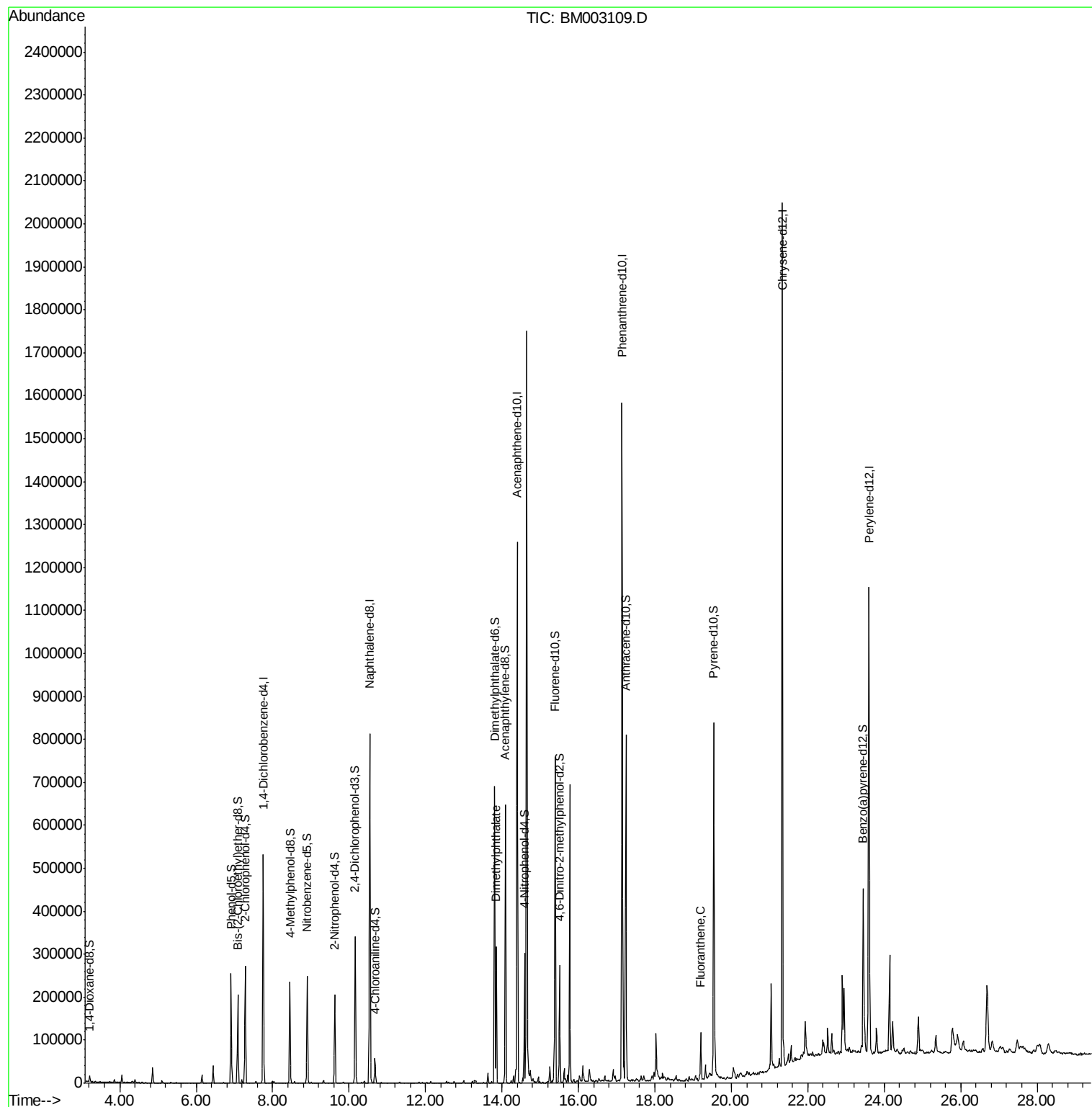
| Target Compounds      |       |     |        |            | Ovalue |
|-----------------------|-------|-----|--------|------------|--------|
| 45) Dimethylphthalate | 13.85 | 163 | 204968 | 6.37 ng/ul | 100    |
| 77) Fluoranthene      | 19.20 | 202 | 57249  | 1.06 ng/ul | 97     |

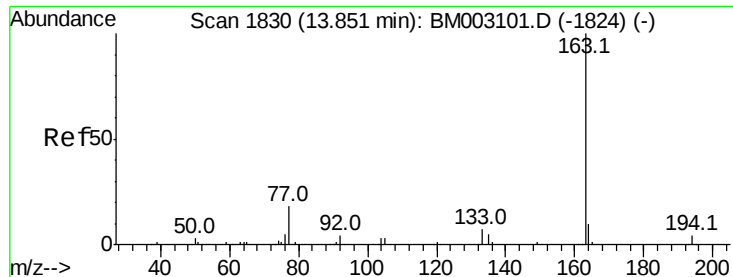
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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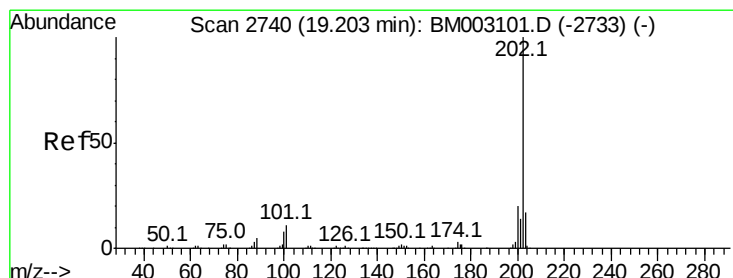
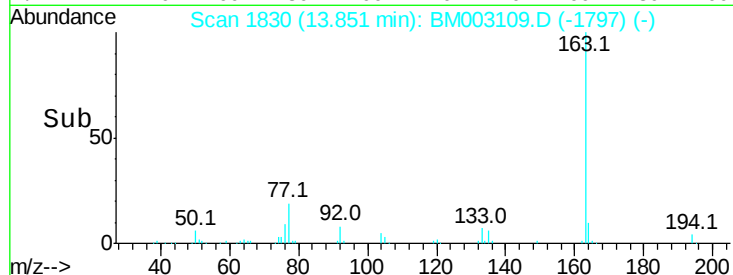
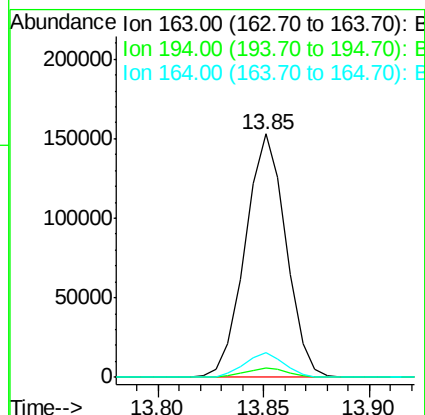
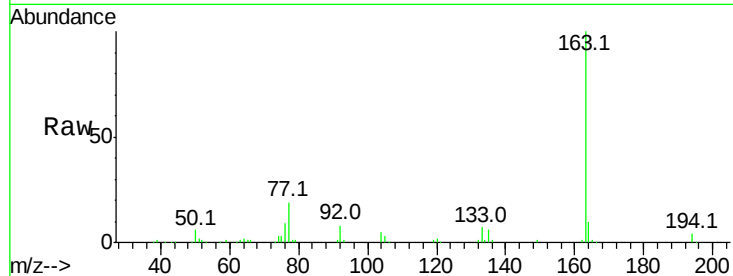




#45  
Dimethylphthalate  
Concen: 6.37 ng/ul  
RT: 13.85 min Scan# 1830  
Delta R.T. -0.01 min  
Lab File: BM003109.D  
Acq: 12 Nov 2015 06:49

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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 3.2   | 4.8   |
| 164     | 9.9   | 7.8   | 11.8  |



#77  
Fluoranthene  
Concen: 1.06 ng/ul  
RT: 19.20 min Scan# 2739  
Delta R.T. -0.01 min  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.0  | 10.4  | 15.6  |
| 100     | 8.8   | 7.8   | 11.6  |

