

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040116\  
 Data File : BM004860.D  
 Acq On : 02 Apr 2016 03:17  
 Operator : UM/SJ  
 Sample : H2004-10  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AE5

Quant Time: Apr 02 03:50:45 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM040116.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 02 00:53:13 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 57623    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 266873   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.46 | 164  | 165974   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.20 | 188  | 394810   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.39 | 240  | 482494   | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.68 | 264  | 492436   | 20.00 | ng/ul | -0.01    |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.32  | 96   | 1326     | 0.93  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.99  | 99   | 26489    | 5.17  | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67   | 89090    | 32.11 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.36  | 132  | 93783    | 24.13 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.52  | 113  | 57884    | 13.46 | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.98  | 128  | 63354    | 33.46 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.70  | 143  | 70203    | 33.34 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.23 | 165  | 112400   | 28.63 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.75 | 131  | 3117     | 0.67  | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 13.87 | 166  | 460713   | 35.18 | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 14.15 | 160  | 534904   | 34.15 | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.66 | 143  | 11256    | 4.35  | ng/ul | 0.00     |
| 58) Fluorene-d10               | 15.45 | 176  | 398598   | 35.22 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.57 | 200  | 73164    | 30.93 | ng/ul | 0.00     |
| 71) Anthracene-d10             | 17.30 | 188  | 634538   | 35.92 | ng/ul | 0.00     |
| 79) Pyrene-d10                 | 19.60 | 212  | 741016   | 35.38 | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 23.54 | 264  | 858873   | 39.37 | ng/ul | 0.00     |

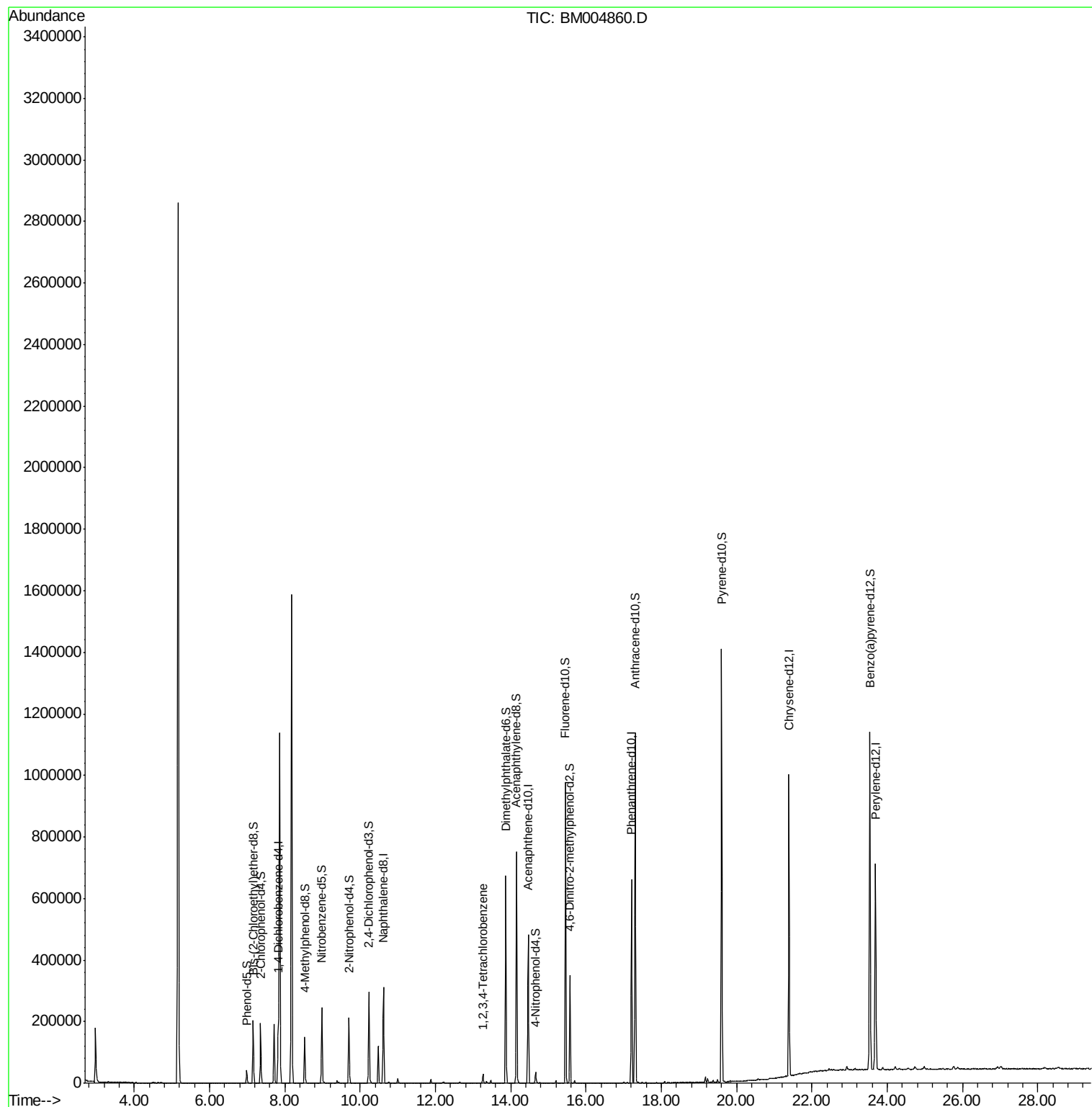
| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Ovalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 73) 1,2,3,4-Tetrachlorobenzene | 13.26 | 216  | 5502     | 1.07 | ng/uL | 97     |

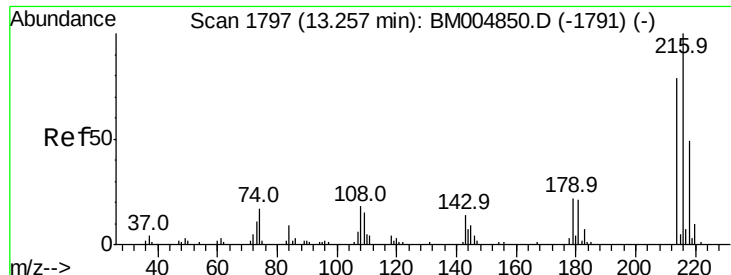
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 1.07 ng/uL

RT: 13.26 min Scan# 1797

Delta R.T. -0.00 min

Lab File: BM004860.D

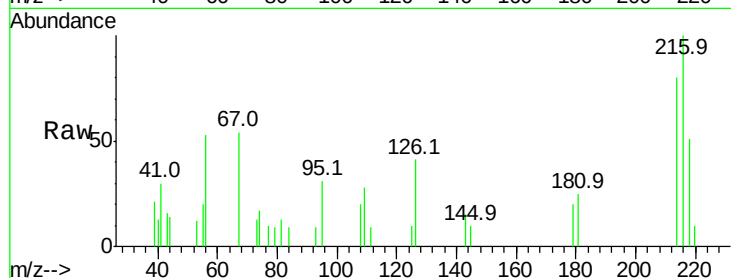
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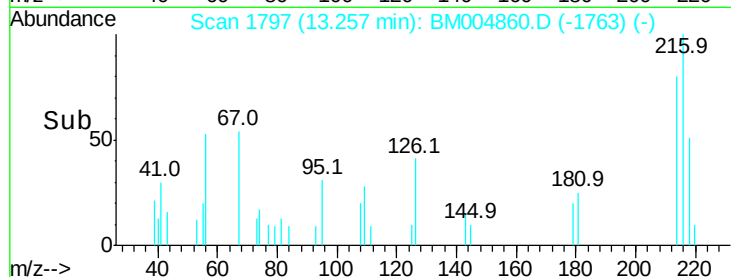
Tot Ion: 216 Resp: 5502

Ion Ratio Lower Upper

216 100

214 80.1 62.5 93.7

218 50.7 38.4 57.6



Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

