

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM022015\  
 Data File : BM000571.D  
 Acq On : 20 Feb 2015 22:38  
 Operator : TP/IZ  
 Sample : MDL-03-S  
 Misc : MDL-SOIL-3PPM-SOM0  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MDL-03-S

Quant Time: Feb 21 04:02:15 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-MA-BM022015.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Feb 21 03:20:44 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 95653    | 20.00 | ng/ul | 0.00     |
| 16) Naphthalene-d8        | 10.46 | 136  | 406740   | 20.00 | ng/ul | 0.00     |
| 33) Acenaphthene-d10      | 14.32 | 164  | 254130   | 20.00 | ng/ul | 0.00     |
| 59) Phenanthrene-d10      | 17.07 | 188  | 532470   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 476974   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.47 | 264  | 388168   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) Phenol-d5                   | 6.85  | 99  | 224681 | 32.27 | ng/ul | 0.00 |
| 5) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 146630 | 35.63 | ng/ul | 0.00 |
| 7) 2-Chlorophenol-d4           | 7.20  | 132 | 200362 | 33.82 | ng/ul | 0.00 |
| 11) 4-Methylphenol-d8          | 8.38  | 113 | 195649 | 33.14 | ng/ul | 0.00 |
| 17) Nitrobenzene-d5            | 8.83  | 128 | 95248  | 34.90 | ng/ul | 0.00 |
| 20) 2-Nitrophenol-d4           | 9.55  | 143 | 112094 | 35.47 | ng/ul | 0.00 |
| 24) 2,4-Dichlorophenol-d3      | 10.08 | 165 | 205177 | 30.65 | ng/ul | 0.00 |
| 27) 4-Chloroaniline-d4         | 10.60 | 131 | 287959 | 48.22 | ng/ul | 0.00 |
| 41) Dimethylphthalate-d6       | 13.74 | 166 | 663485 | 36.07 | ng/ul | 0.00 |
| 44) Acenaphthylene-d8          | 14.02 | 160 | 859147 | 34.86 | ng/ul | 0.00 |
| 49) 4-Nitrophenol-d4           | 14.53 | 143 | 88306  | 30.02 | ng/ul | 0.00 |
| 55) Fluorene-d10               | 15.32 | 176 | 615533 | 34.24 | ng/ul | 0.00 |
| 60) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 84462  | 27.29 | ng/ul | 0.00 |
| 68) Anthracene-d10             | 17.16 | 188 | 896993 | 35.62 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.47 | 212 | 908067 | 32.71 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.33 | 264 | 651491 | 35.80 | ng/ul | 0.00 |

## Target Compounds

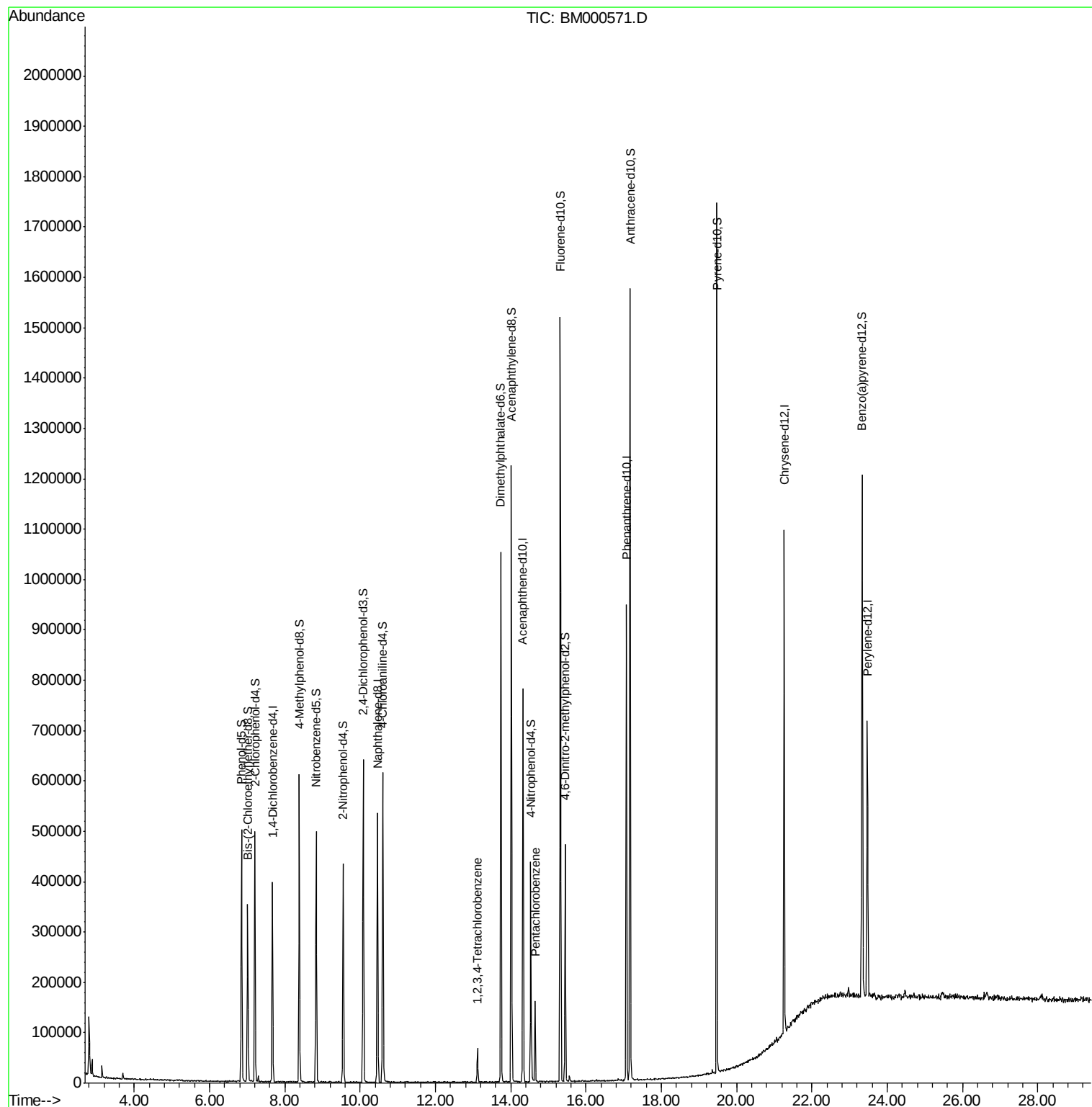
|                                |       |     |       |      |       | Qvalue |
|--------------------------------|-------|-----|-------|------|-------|--------|
| 70) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216 | 21066 | 2.67 | ng/uL | 99     |
| 71) Pentachlorobenzene         | 14.64 | 250 | 39785 | 5.27 | ng/uL | 98     |

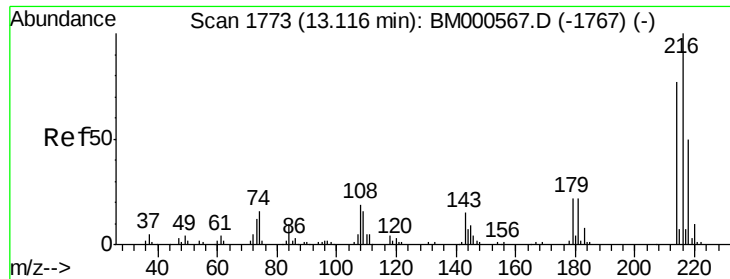
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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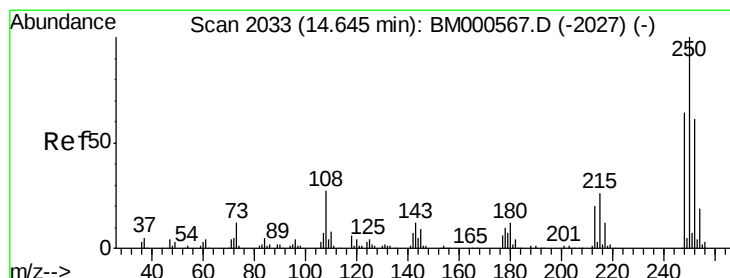
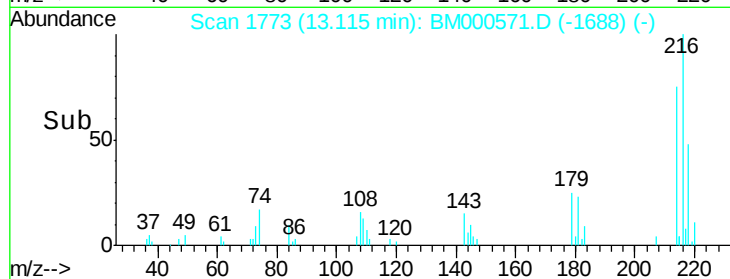
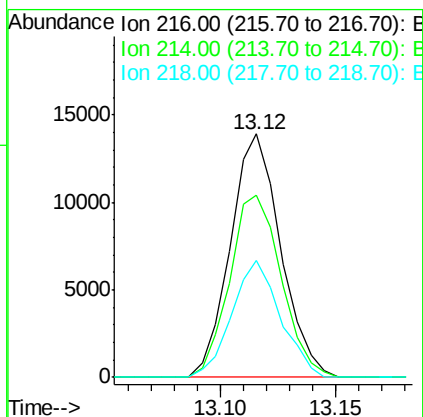
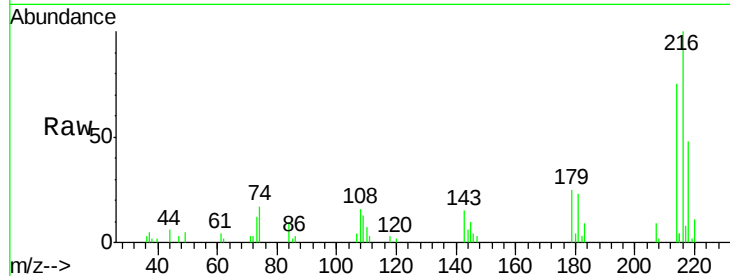




#70  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 2.67 ng/uL  
 RT: 13.12 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: BM000571.D  
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Instrument :  
 BNA\_M  
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Tgt Ion:216 Resp: 21066  
 Ion Ratio Lower Upper  
 216 100  
 214 74.7 59.1 88.7  
 218 48.2 37.6 56.4



#71  
 Pentachlorobenzene  
 Concen: 5.27 ng/uL  
 RT: 14.64 min Scan# 2033  
 Delta R.T. -0.00 min  
 Lab File: BM000571.D  
 Acq: 20 Feb 2015 22:38

Tgt Ion:250 Resp: 39785  
 Ion Ratio Lower Upper  
 250 100  
 248 67.0 52.4 78.6  
 252 65.9 51.5 77.3

