

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM031616\  
 Data File : BM004642.D  
 Acq On : 16 Mar 2016 18:41  
 Operator : UM/SJ  
 Sample : H1783-09  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA9

Quant Time: Mar 17 01:55:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM031516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 17 00:56:57 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 63930    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 281065   | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.47 | 164  | 151141   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.22 | 188  | 331621   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.40 | 240  | 367835   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.70 | 264  | 367528   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.33  | 96  | 2410   | 1.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.00  | 99  | 40882  | 7.78  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 115589 | 38.82 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.38  | 132 | 125634 | 29.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.54  | 113 | 78313  | 18.49 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 70650  | 36.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.72  | 143 | 74349  | 35.22 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 134723 | 32.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 1290   | 0.26  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.89 | 166 | 444602 | 37.63 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.17 | 160 | 554055 | 38.25 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.66 | 143 | 9861   | 4.32  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.47 | 176 | 397083 | 38.56 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 46203  | 26.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.32 | 188 | 597990 | 39.17 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.61 | 212 | 671665 | 40.00 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.56 | 264 | 713147 | 43.44 | ng/ul | 0.00 |

## Target Compounds

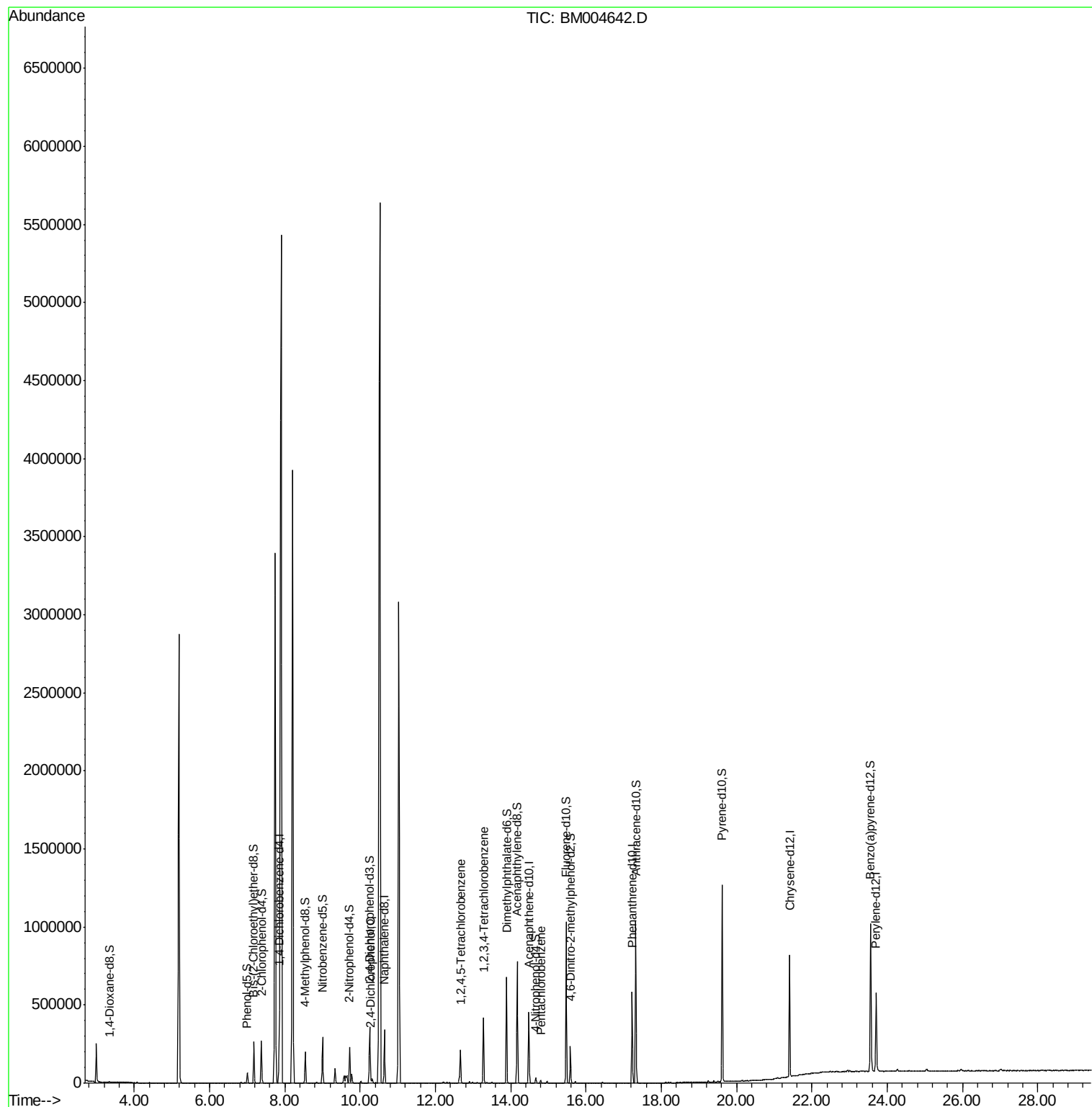
|                                |       |     |        |       |        | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 27) 2,4-Dichlorophenol         | 10.28 | 162 | 7470   | 1.75  | ng/ul# | 78     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 64991  | 13.46 | ng/ul  | 99     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.27 | 216 | 131530 | 28.83 | ng/uL  | 100    |
| 74) Pentachlorobenzene         | 14.79 | 250 | 6329   | 1.44  | ng/uL  | 94     |

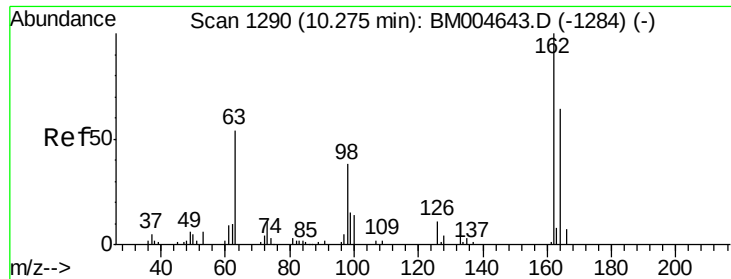
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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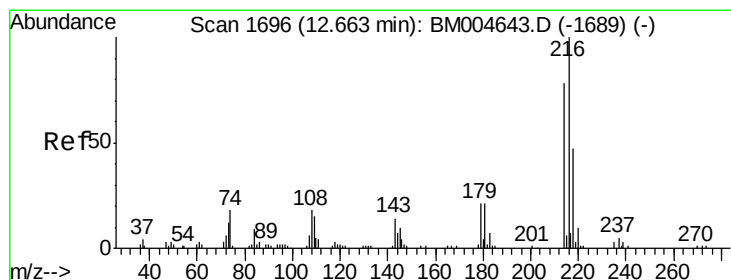
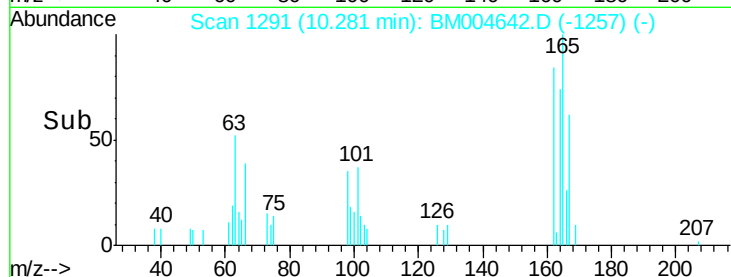
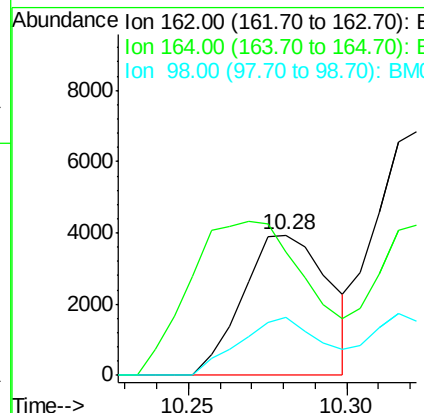
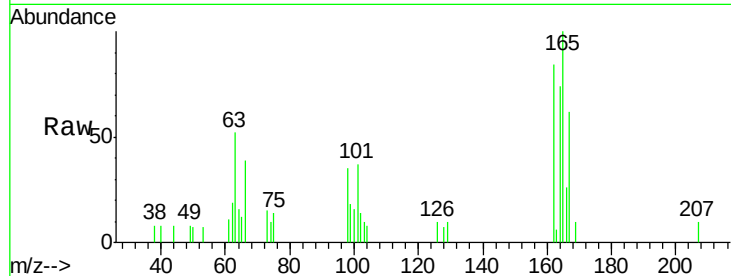




#27  
 2,4-Dichlorophenol  
 Concen: 1.75 ng/ul  
 RT: 10.28 min Scan# 1291  
 Delta R.T. 0.00 min  
 Lab File: BM004642.D  
 Acq: 16 Mar 2016 18:41

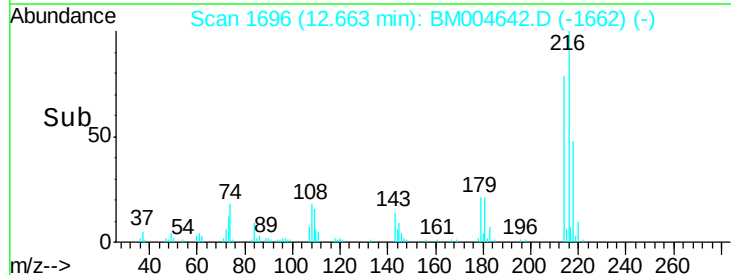
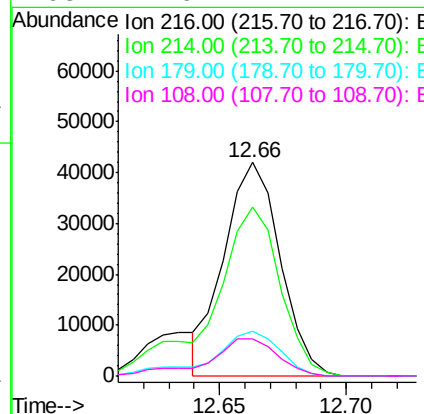
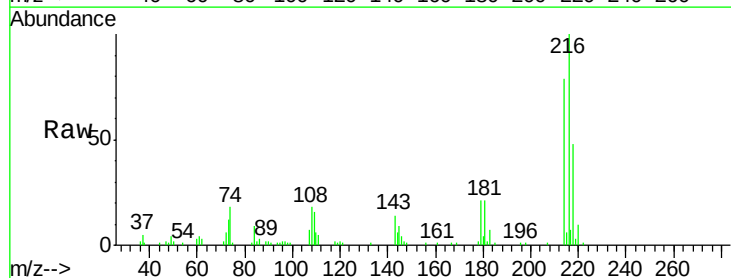
Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA9

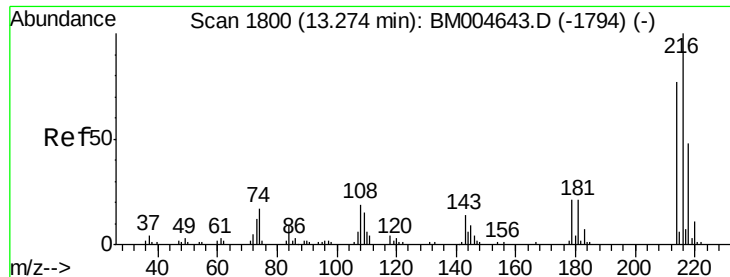
Tgt Ion:162 Resp: 7470  
 Ion Ratio Lower Upper  
 162 100  
 164 87.8 52.1 78.1#  
 98 41.3 28.4 42.6



#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 13.46 ng/ul  
 RT: 12.66 min Scan# 1696  
 Delta R.T. 0.00 min  
 Lab File: BM004642.D  
 Acq: 16 Mar 2016 18:41

Tgt Ion:216 Resp: 64991  
 Ion Ratio Lower Upper  
 216 100  
 214 78.9 62.5 93.7  
 179 21.2 18.2 27.2  
 108 17.6 14.2 21.2

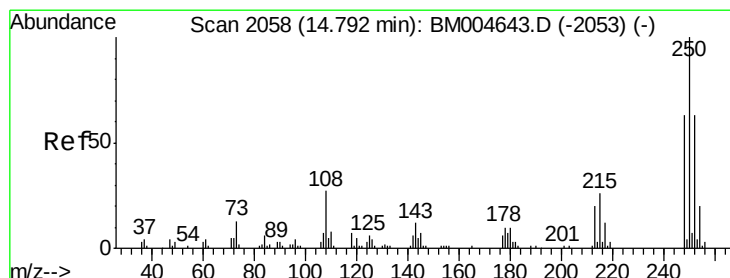
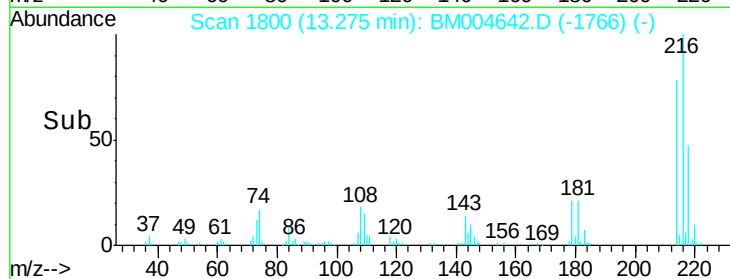
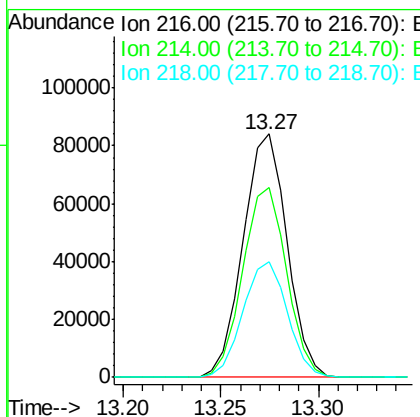
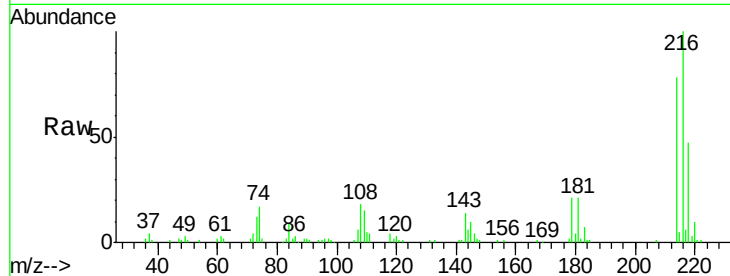




#73  
 1,2,3,4-Tetrachlorobenzene  
 Concen: 28.83 ng/uL  
 RT: 13.27 min Scan# 1800  
 Delta R.T. 0.00 min  
 Lab File: BM004642.D  
 Acq: 16 Mar 2016 18:41

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AA9

Tgt Ion: 216 Resp: 131530  
 Ion Ratio Lower Upper  
 216 100  
 214 78.2 62.5 93.7  
 218 47.4 38.4 57.6



#74  
 Pentachlorobenzene  
 Concen: 1.44 ng/uL  
 RT: 14.79 min Scan# 2058  
 Delta R.T. 0.00 min  
 Lab File: BM004642.D  
 Acq: 16 Mar 2016 18:41

Tgt Ion: 250 Resp: 6329  
 Ion Ratio Lower Upper  
 250 100  
 248 61.0 50.6 75.8  
 252 56.7 51.4 77.0

