

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
 Data File : BM011634.D  
 Acq On : 20 Sep 2017 13:06  
 Operator : SJ/JU  
 Sample : I5273-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AK6

Quant Time: Sep 21 01:47:30 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 21 01:44:48 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 421292   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.77 | 136  | 1866920  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 1118269  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 2470665  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 2508043  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 2222833  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 11480   | 1.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 222700  | 5.51  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 720379  | 26.42 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 627710  | 20.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 406700  | 12.88 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.13  | 128 | 382713  | 27.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.85  | 143 | 413561  | 28.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.39 | 165 | 717740  | 24.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.92 | 131 | 22070   | 0.67  | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 14.00 | 166 | 2590403 | 27.40 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 3112421 | 27.22 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.78 | 143 | 62216   | 3.50  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.59 | 176 | 2289226 | 27.96 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 340845  | 23.71 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 3600362 | 29.59 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 3926149 | 33.43 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 3145210 | 29.69 | ng/ul | 0.00 |

## Target Compounds

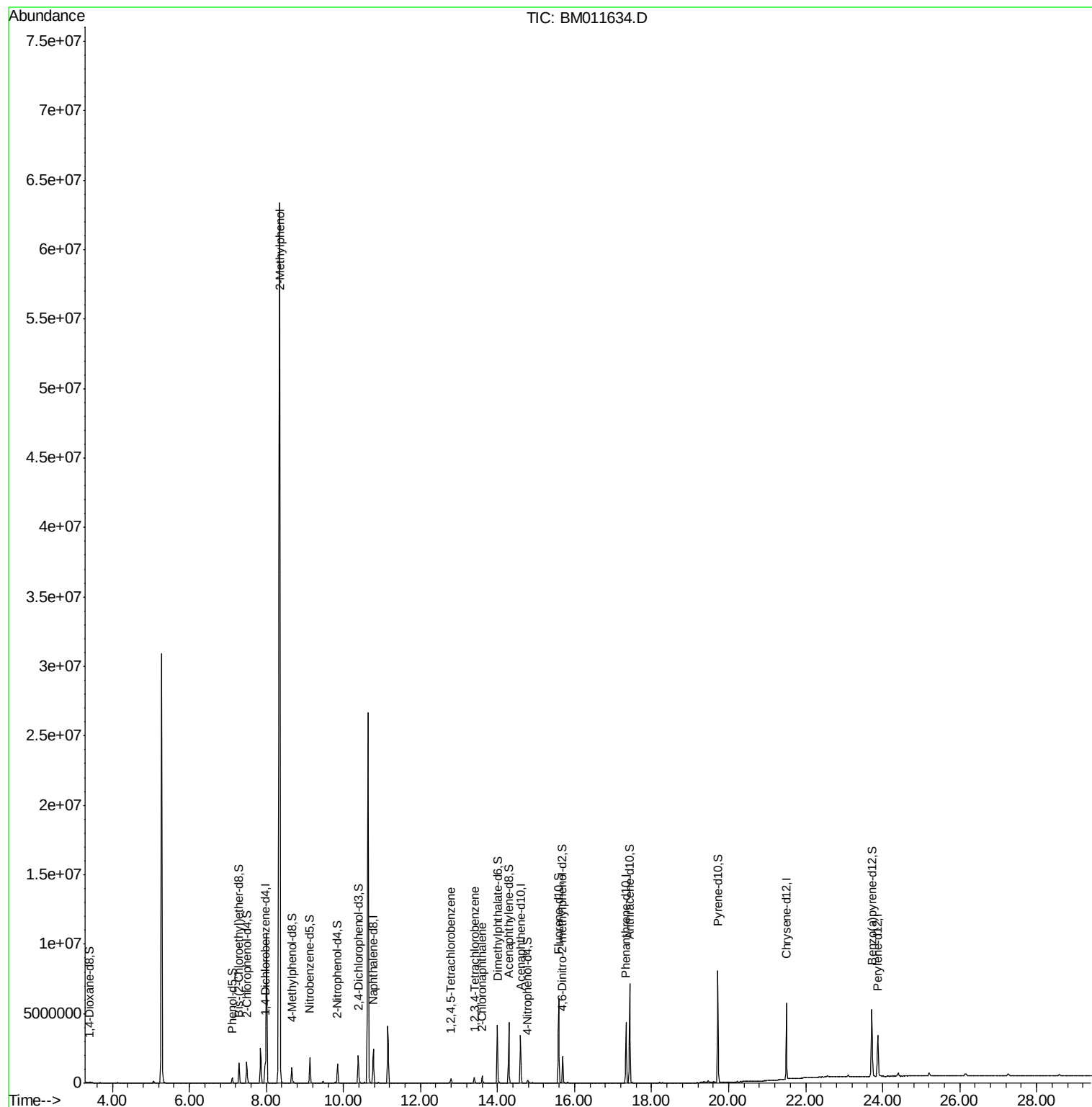
|                                |       |     |        |              | Ovalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 11) 2-Methylphenol             | 8.35  | 108 | 281956 | 9.261 ng/ul  | 97     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 123628 | 3.727 ng/ul# | 97     |
| 42) 2-Chloronaphthalene        | 13.60 | 162 | 169123 | 2.415 ng/ul# | 44     |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.40 | 216 | 118745 | 3.607 ng/uL  | 100    |

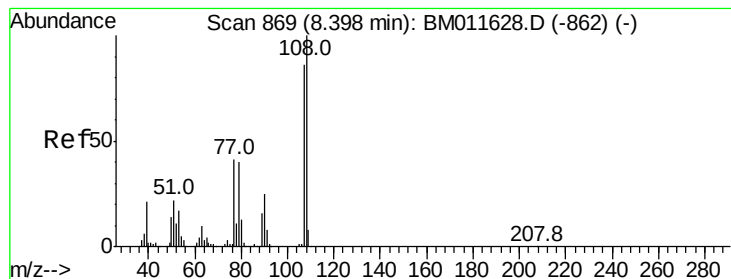
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 9.261 ng/ul

RT: 8.35 min Scan# 860

Delta R.T. -0.05 min

Lab File: BM011634.D

Acq: 20 Sep 2017 13:06

Instrument :

BNA\_M

ClientSampleId :

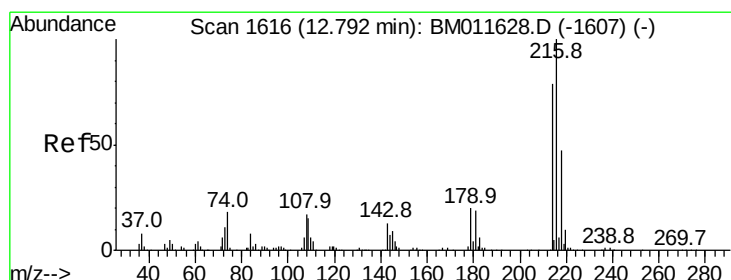
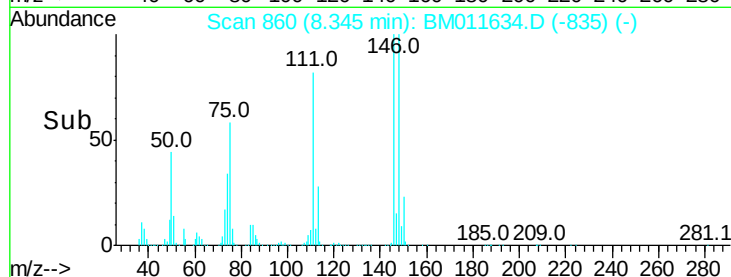
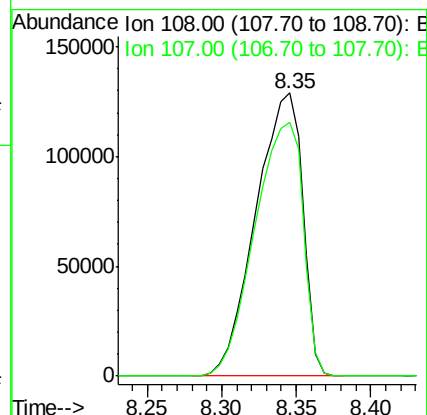
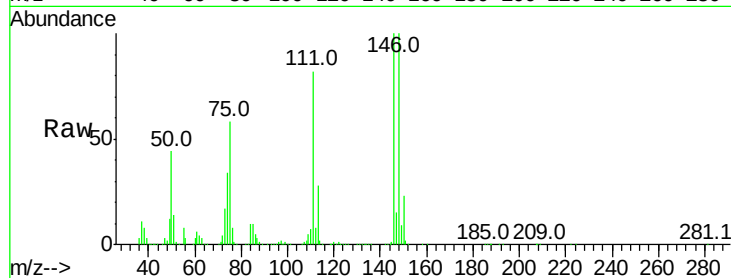
C0AK6

Tot Ion:108 Resp: 281956

Ion Ratio Lower Upper

108 100

107 89.7 74.1 111.1



#37

1,2,4,5-Tetrachlorobenzene

Concen: 3.727 ng/ul

RT: 12.79 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BM011634.D

Acq: 20 Sep 2017 13:06

Tgt Ion:216 Resp: 123628

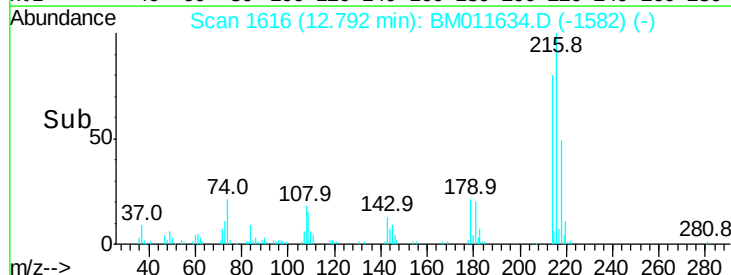
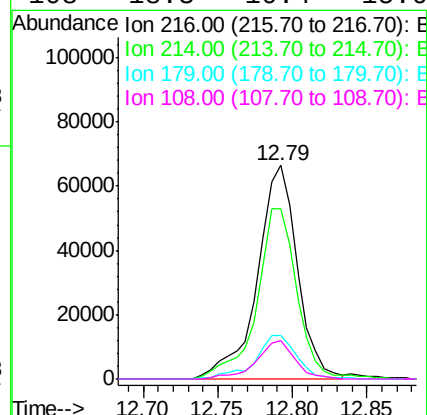
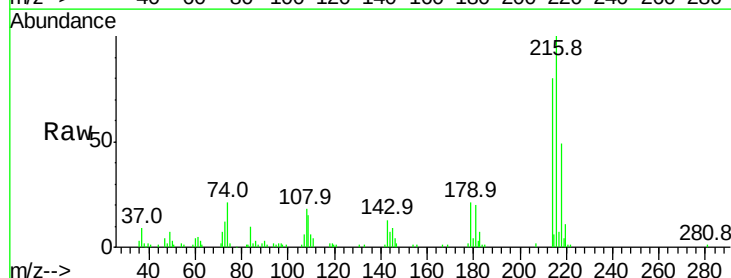
Ion Ratio Lower Upper

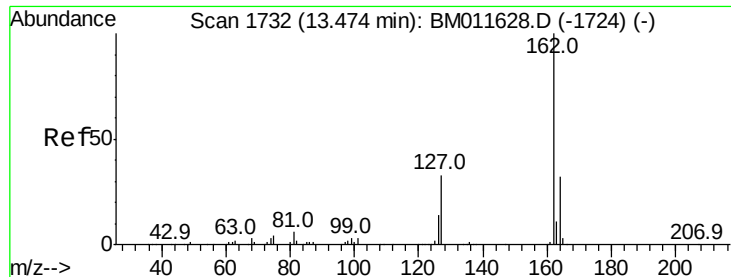
216 100

214 79.6 64.1 96.1

179 20.5 14.5 21.7

108 18.3 10.4 15.6#

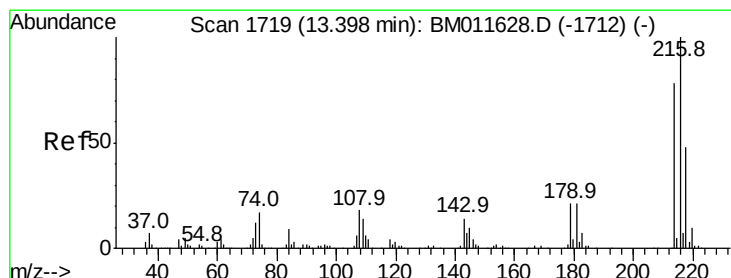
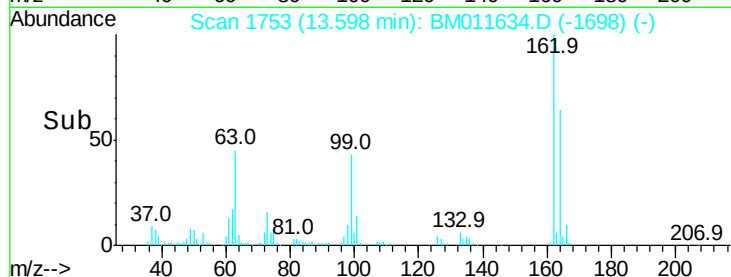
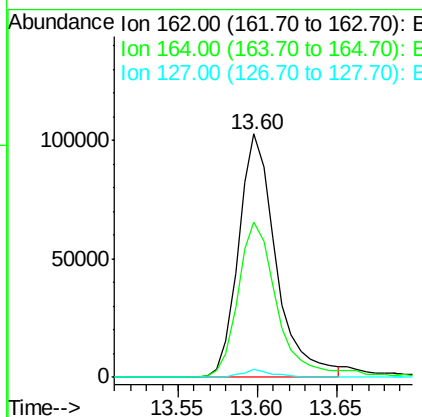
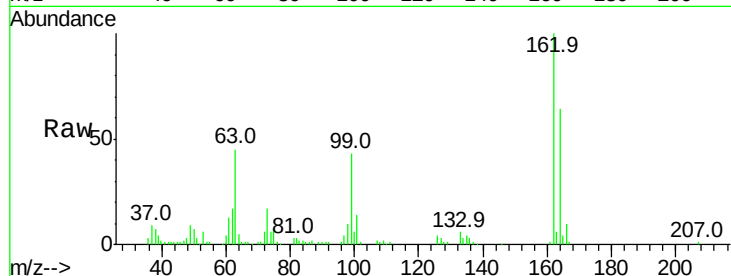




#42  
2-Chloronaphthalene  
Concen: 2.415 ng/ul  
RT: 13.60 min Scan# 1753  
Delta R.T. 0.12 min  
Lab File: BM011634.D  
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Instrument :  
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Tot Ion:162 Resp: 169123  
Ion Ratio Lower Upper  
162 100  
164 64.0 26.2 39.4#  
127 3.2 29.5 44.3#



#73  
1,2,3,4-Tetrachlorobenzene  
Concen: 3.607 ng/uL  
RT: 13.40 min Scan# 1719  
Delta R.T. -0.00 min  
Lab File: BM011634.D  
Acq: 20 Sep 2017 13:06

Tgt Ion:216 Resp: 118745  
Ion Ratio Lower Upper  
216 100  
214 79.7 64.1 96.1  
218 49.4 39.4 59.0

