

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\  
 Data File : BM011637.D  
 Acq On : 20 Sep 2017 14:56  
 Operator : SJ/JU  
 Sample : I5273-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AL9

Quant Time: Sep 21 01:47:56 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 | 7.97  | 152  | 420848   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.77 | 136  | 1833088  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.60 | 164  | 1085336  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 2424278  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 2497496  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 2250047  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 39530   | 4.23  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 256989  | 6.36  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 679581  | 24.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 626170  | 20.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 430836  | 13.66 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.13  | 128 | 366272  | 26.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.85  | 143 | 396615  | 27.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.39 | 165 | 699136  | 24.01 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.90 | 131 | 13598   | 0.42  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.00 | 166 | 2452059 | 26.72 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 2898638 | 26.12 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.78 | 143 | 84833   | 4.92  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.59 | 176 | 2116497 | 26.63 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 200 | 332953  | 23.60 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 3433620 | 28.76 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 3832240 | 32.77 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 3134903 | 29.23 | ng/ul | 0.00 |

## Target Compounds

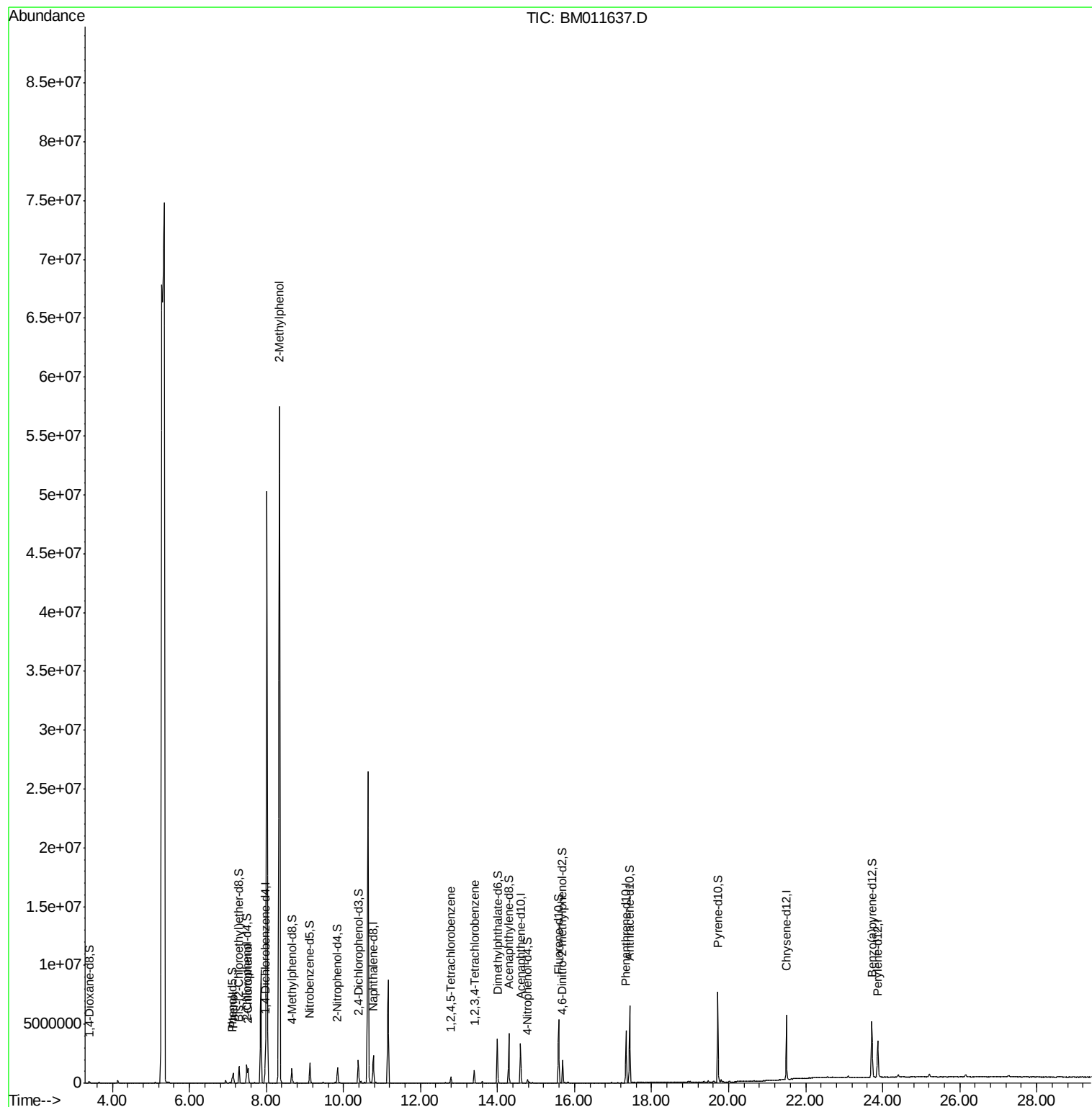
|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                      | 7.14  | 94  | 392662 | 9.789  | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.53  | 128 | 482778 | 16.250 | ng/ul# 90 |
| 11) 2-Methylphenol             | 8.34  | 108 | 221791 | 7.292  | ng/ul 99  |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 171454 | 5.325  | ng/ul# 97 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.40 | 216 | 318434 | 9.857  | ng/uL 96  |

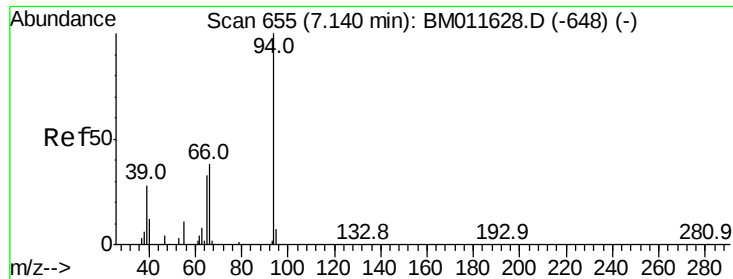
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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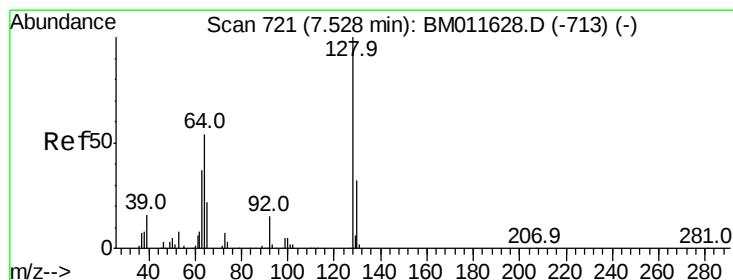
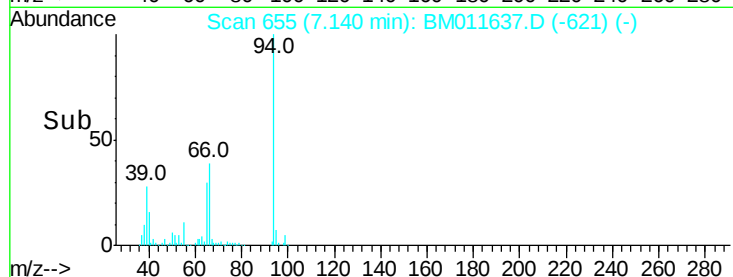
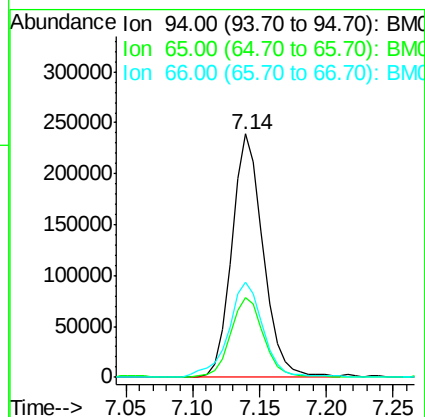
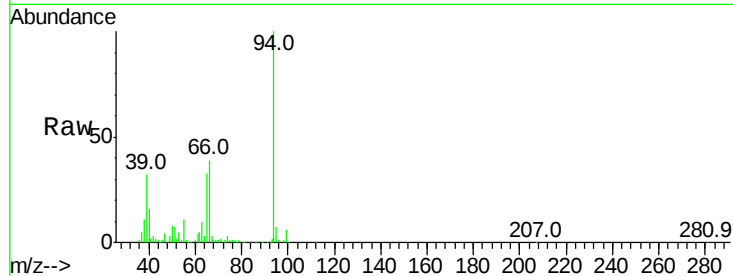
#6

Phenol

Concen: 9.789 ng/ul  
 RT: 7.14 min Scan# 655  
 Delta R.T. -0.00 min  
 Lab File: BM011637.D  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 33.0  | 23.0  | 34.6  |
| 66      | 39.3  | 30.4  | 45.6  |

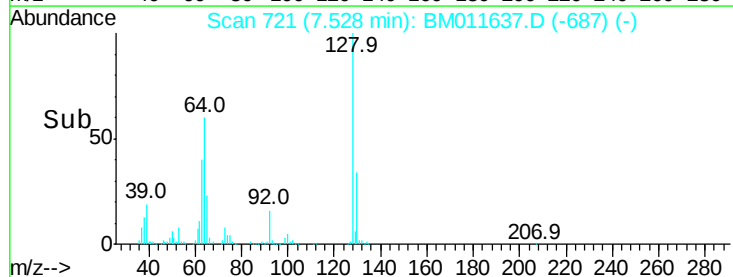
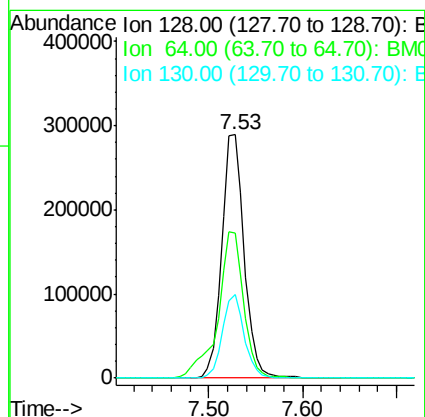
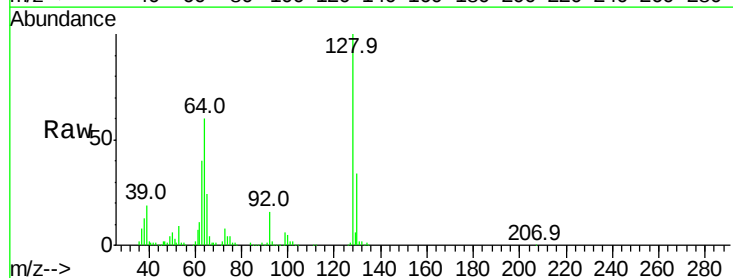


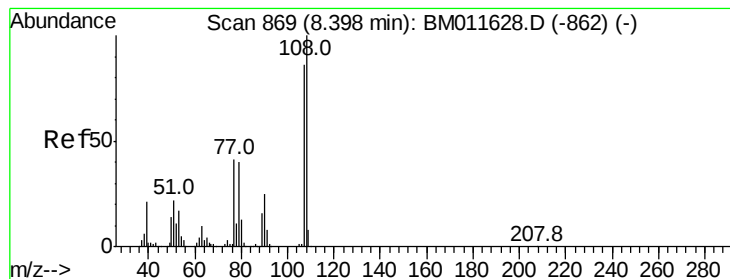
#10

2-Chlorophenol

Concen: 16.250 ng/ul  
 RT: 7.53 min Scan# 721  
 Delta R.T. -0.00 min  
 Lab File: BM011637.D  
 Acq: 20 Sep 2017 14:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 64      | 59.7  | 39.8  | 59.6# |
| 130     | 34.2  | 25.8  | 38.8  |





#11

2-Methylphenol

Concen: 7.292 ng/ul

RT: 8.34 min Scan# 859

Delta R.T. -0.06 min

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Instrument :

BNA\_M

ClientSampleId :

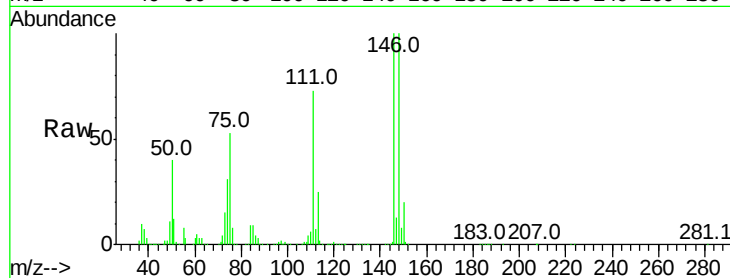
C0AL9

Tot Ion:108 Resp: 221791

Ion Ratio Lower Upper

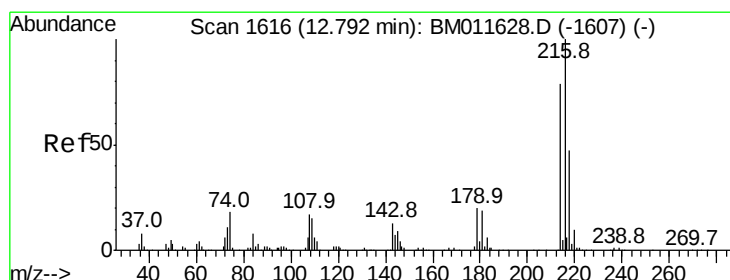
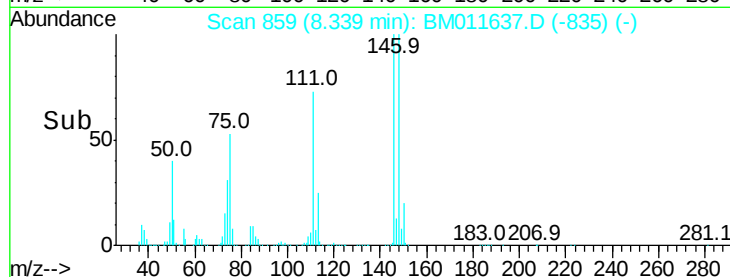
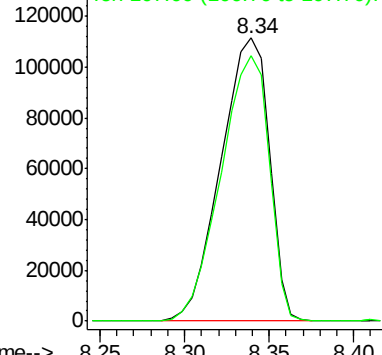
108 100

107 93.9 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 5.325 ng/ul

RT: 12.79 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BM011637.D

Acq: 20 Sep 2017 14:56

Tgt Ion:216 Resp: 171454

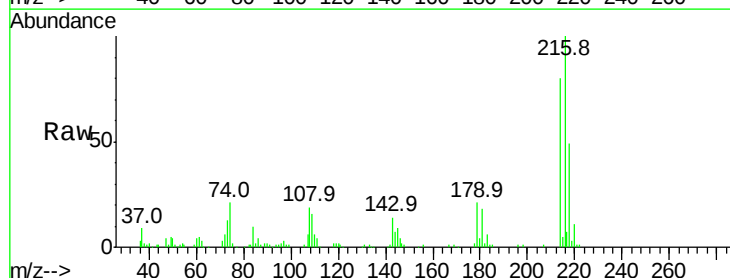
Ion Ratio Lower Upper

216 100

214 80.4 64.1 96.1

179 21.0 14.5 21.7

108 18.7 10.4 15.6#

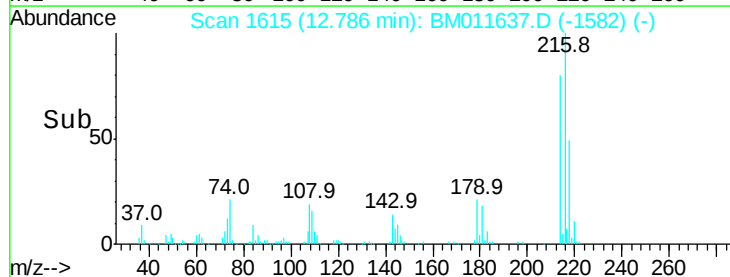
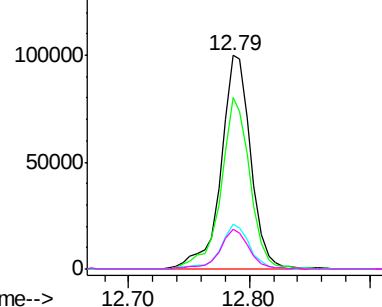


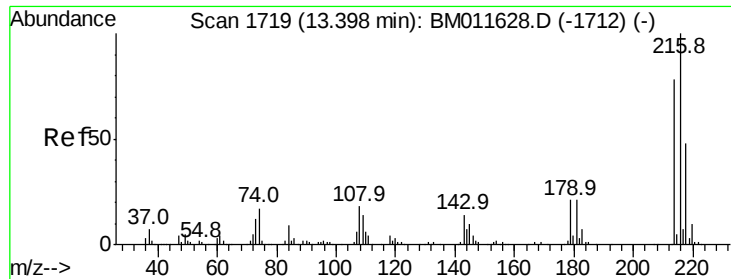
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#73

1,2,3,4-Tetrachlorobenzene

Concen: 9.857 ng/uL

RT: 13.40 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BM011637.D

Acq: 20 Sep 2017 14:56

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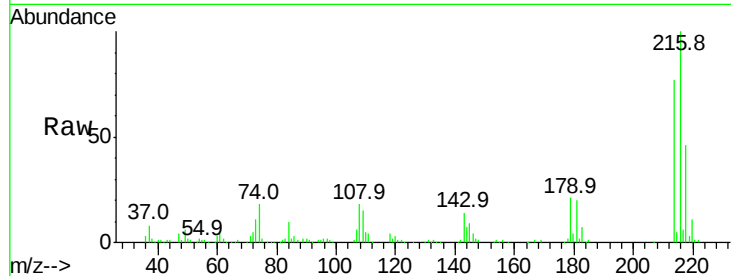
Tot Ion:216 Resp: 318434

Ion Ratio Lower Upper

216 100

214 76.6 64.1 96.1

218 45.9 39.4 59.0



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

