

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\  
 Data File : BM011650.D  
 Acq On : 21 Sep 2017 10:10  
 Operator : SJ/JU  
 Sample : I5273-06  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Sep 22 02:55:35 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Sep 22 02:52:45 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.96  | 152  | 294918   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.77 | 136  | 1330430  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.59 | 164  | 778061   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.33 | 188  | 1693916  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 1687642  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 1475982  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 35088   | 5.35  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.11  | 99  | 397242  | 14.03 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.29  | 67  | 761964  | 39.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.49  | 132 | 687952  | 32.24 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 508817  | 23.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.13  | 128 | 412198  | 40.81 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.85  | 143 | 443341  | 42.23 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.38 | 165 | 756285  | 35.79 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.90 | 131 | 262906  | 11.27 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.00 | 166 | 2739213 | 41.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 3184546 | 40.03 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.77 | 143 | 123798  | 10.01 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.58 | 176 | 2384717 | 41.86 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.69 | 200 | 374334  | 37.98 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 3802019 | 45.58 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 4185790 | 52.97 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 3301107 | 46.93 | ng/ul | 0.00 |

## Target Compounds

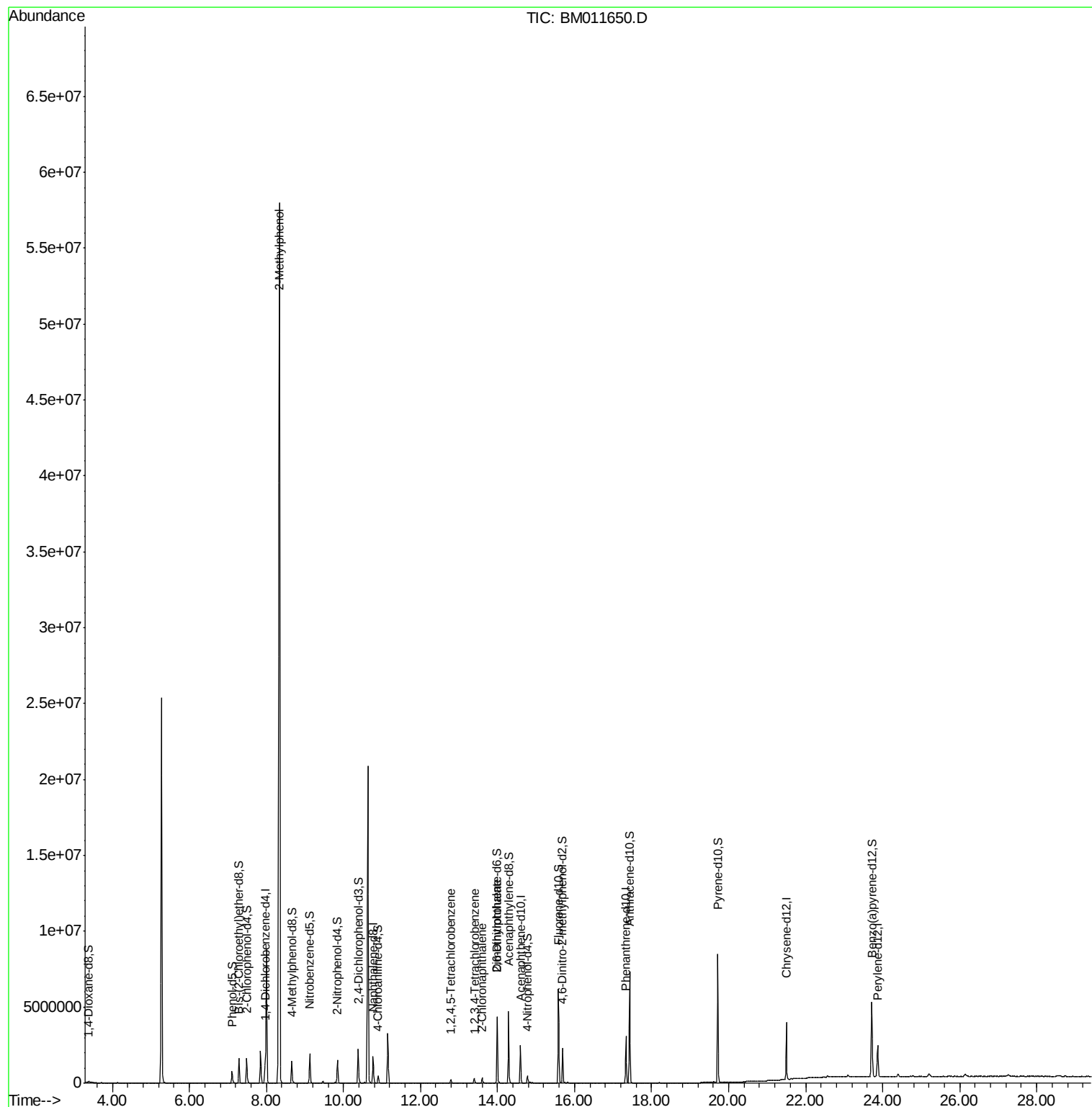
|                                |       |     |        |        | Ovalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 11) 2-Methylphenol             | 8.34  | 108 | 235554 | 11.052 | ng/ul  | 94 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 97671  | 4.232  | ng/ul# | 96 |
| 42) 2-Chloronaphthalene        | 13.60 | 162 | 129614 | 2.661  | ng/ul# | 45 |
| 46) 2,6-Dinitrotoluene         | 14.00 | 165 | 13149  | 1.182  | ng/ul# | 29 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.39 | 216 | 92712  | 4.107  | ng/uL  | 96 |

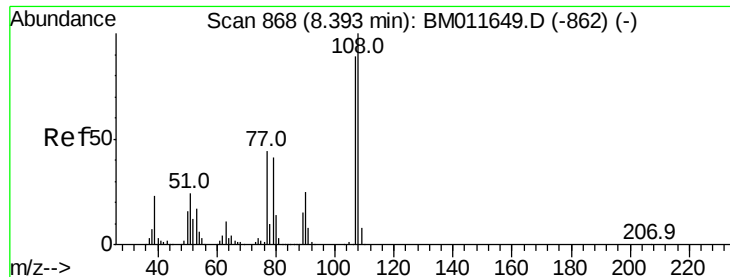
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 02:55:35 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
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QLast Update : Fri Sep 22 02:52:45 2017  
Response via : Initial Calibration





#11

2-Methylphenol

Concen: 11.052 ng/ul

RT: 8.34 min Scan# 859

Delta R.T. -0.05 min

Lab File: BM011650.D

Acq: 21 Sep 2017 10:10

Instrument :

BNA\_M

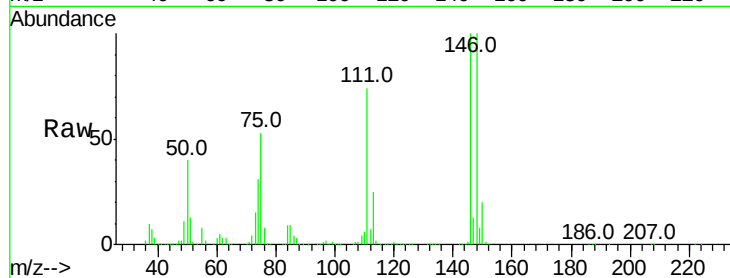
ClientSampleId :

Tot Ion:108 Resp: 235554

Ion Ratio Lower Upper

108 100

107 87.1 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

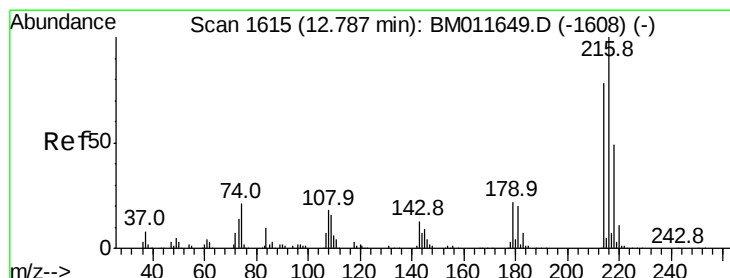
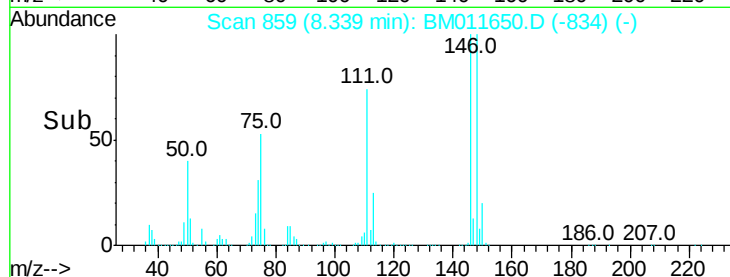
8.34

100000

50000

0

Time--> 8.25 8.30 8.35 8.40



#37

1,2,4,5-Tetrachlorobenzene

Concen: 4.232 ng/ul

RT: 12.79 min Scan# 1616

Delta R.T. 0.01 min

Lab File: BM011650.D

Acq: 21 Sep 2017 10:10

Tgt Ion:216 Resp: 97671

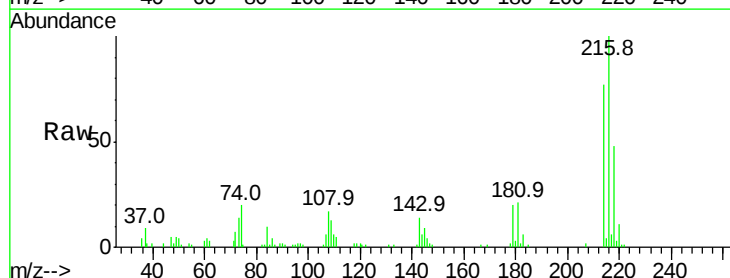
Ion Ratio Lower Upper

216 100

214 77.2 64.1 96.1

179 20.2 14.5 21.7

108 16.9 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

80000

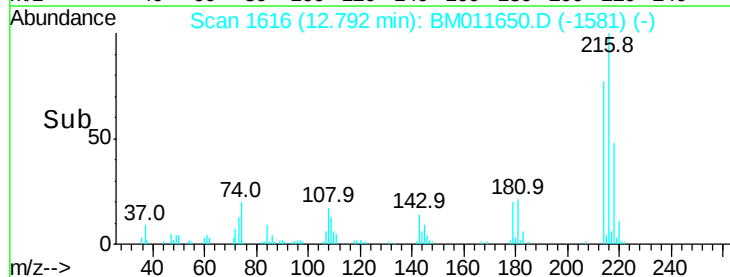
60000

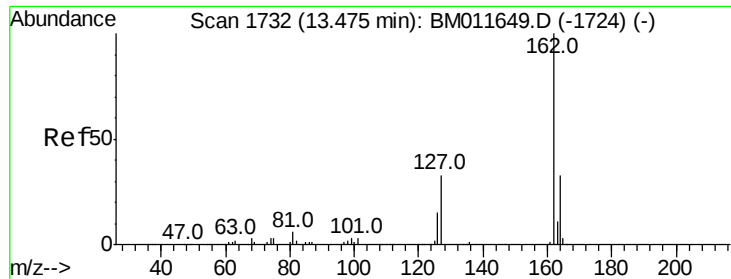
40000

20000

0

Time--> 12.70 12.75 12.80 12.85

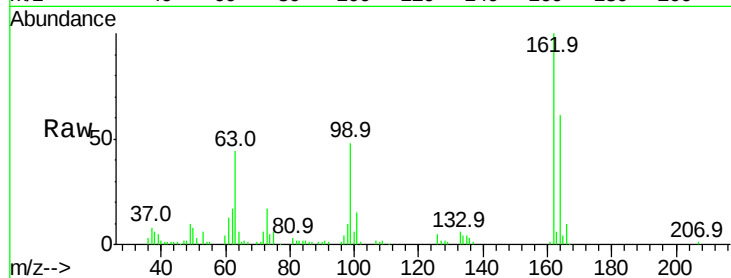




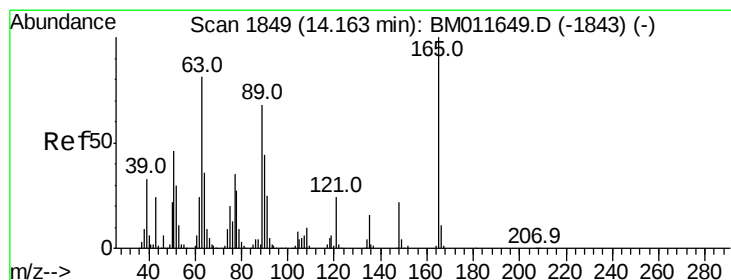
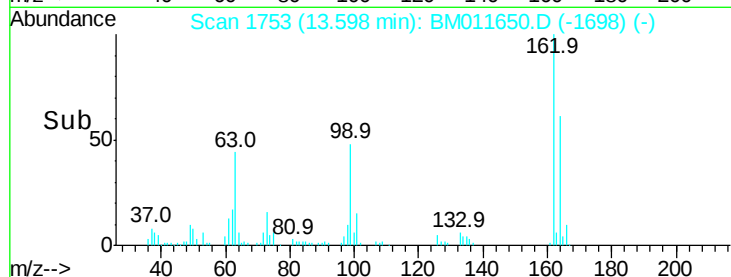
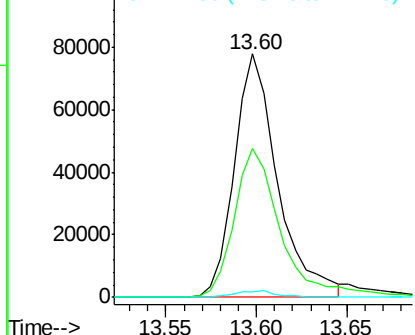
#42  
 2-Chloronaphthalene  
 Concen: 2.661 ng/ul  
 RT: 13.60 min Scan# 1753  
 Delta R.T. 0.12 min  
 Lab File: BM011650.D  
 Acq: 21 Sep 2017 10:10

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:162 Resp: 129614  
 Ion Ratio Lower Upper  
 162 100  
 164 61.3 26.2 39.4#  
 127 2.2 29.5 44.3#

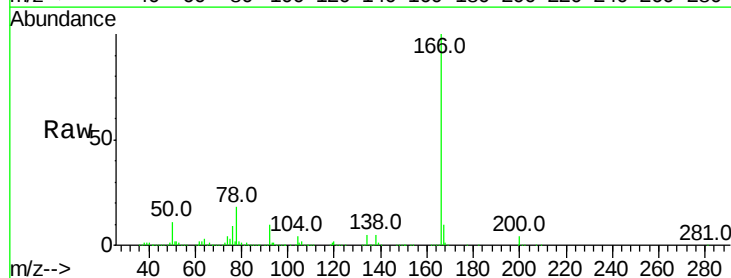


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 164.00 (163.70 to 164.70): E  
 Ion 127.00 (126.70 to 127.70): E

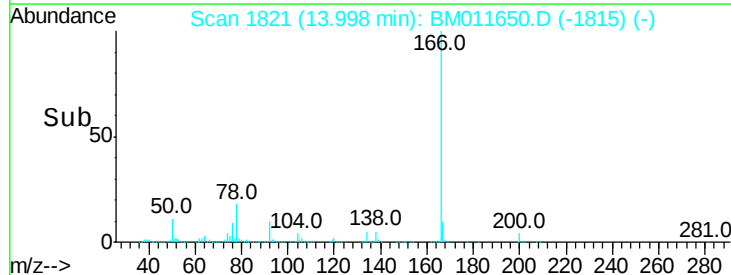
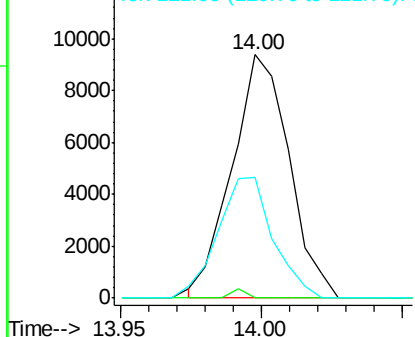


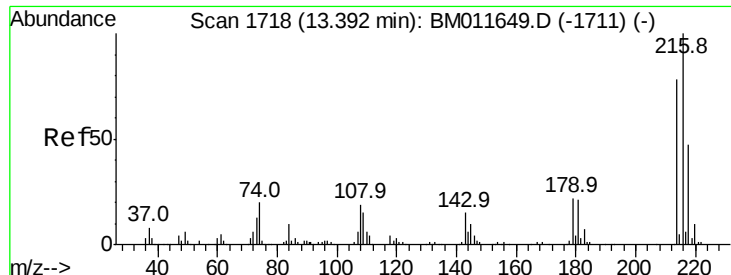
#46  
 2,6-Dinitrotoluene  
 Concen: 1.182 ng/ul  
 RT: 14.00 min Scan# 1821  
 Delta R.T. -0.16 min  
 Lab File: BM011650.D  
 Acq: 21 Sep 2017 10:10

Tgt Ion:165 Resp: 13149  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 43.8 65.8#  
 121 49.6 17.8 26.6#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 89.00 (88.70 to 89.70): BM0  
 Ion 121.00 (120.70 to 121.70): E





#73

1,2,3,4-Tetrachlorobenzene

Concen: 4.107 ng/uL

RT: 13.39 min Scan# 1718

Delta R.T. -0.00 min

Lab File: BM011650.D

Acq: 21 Sep 2017 10:10

Instrument :

BNA\_M

ClientSampleId :

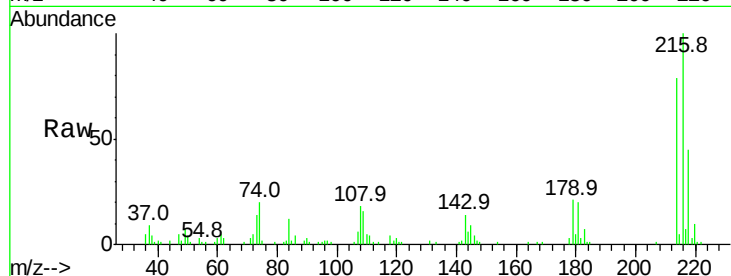
Tot Ion:216 Resp: 92712

Ion Ratio Lower Upper

216 100

214 78.5 64.1 96.1

218 44.9 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

