

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091917\  
 Data File : BM011609.D  
 Acq On : 19 Sep 2017 18:01  
 Operator : SJ/JU  
 Sample : I5271-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AJ2

Quant Time: Sep 20 01:54:24 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 20 01:49:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 301661   | 20.00 | ng/ul | 0.05     |
| 18) Naphthalene-d8        | 10.79 | 136  | 1499694  | 20.00 | ng/ul | 0.02     |
| 36) Acenaphthene-d10      | 14.60 | 164  | 882630   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.34 | 188  | 1991237  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.50 | 240  | 2141363  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.87 | 264  | 1914957  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 38676   | 5.77  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.13  | 99  | 163086  | 5.63  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.32  | 67  | 548973  | 28.12 | ng/ul | 0.03 |
| 9) 2-Chlorophenol-d4           | 7.51  | 132 | 477148  | 21.86 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.75  | 113 | 978     | 0.04  | ng/ul | 0.08 |
| 19) Nitrobenzene-d5            | 9.15  | 128 | 290287  | 25.50 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.86  | 143 | 308025  | 26.03 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.40 | 165 | 539409  | 22.64 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.92 | 131 | 29834   | 1.13  | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 14.00 | 166 | 1938017 | 25.97 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.29 | 160 | 2238581 | 24.80 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.78 | 143 | 64191   | 4.58  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.59 | 176 | 1669618 | 25.83 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.70 | 200 | 269165  | 23.23 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.43 | 188 | 2681562 | 27.35 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.72 | 212 | 3084410 | 30.76 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.72 | 264 | 2579350 | 28.26 | ng/ul | 0.00 |

## Target Compounds

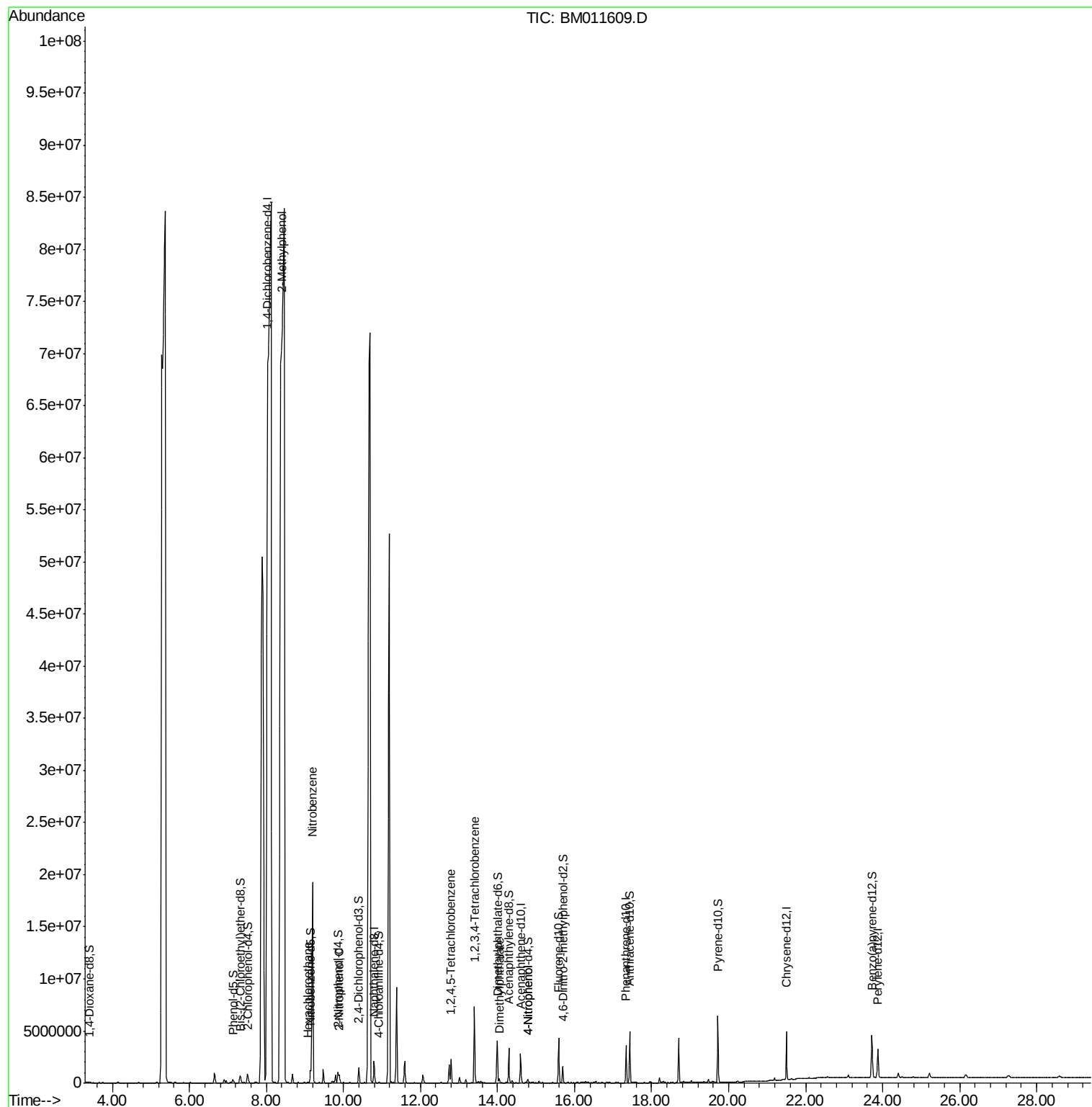
|                                |       |     |          |         | Ovalue |    |
|--------------------------------|-------|-----|----------|---------|--------|----|
| 11) 2-Methylphenol             | 8.40  | 108 | 533114   | 24.454  | ng/ul  | 97 |
| 17) Hexachloroethane           | 9.07  | 117 | 14198    | 1.744   | ng/ul# | 72 |
| 20) Nitrobenzene               | 9.20  | 77  | 10454469 | 390.534 | ng/ul# | 94 |
| 23) 2-Nitrophenol              | 9.89  | 139 | 204751   | 16.466  | ng/ul  | 89 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 722851   | 27.609  | ng/ul# | 96 |
| 45) Dimethylphthalate          | 14.04 | 163 | 185177   | 2.592   | ng/ul# | 99 |
| 53) 4-Nitrophenol              | 14.80 | 109 | 25810    | 2.864   | ng/ul# | 86 |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.40 | 216 | 2126087  | 80.126  | ng/uL  | 98 |

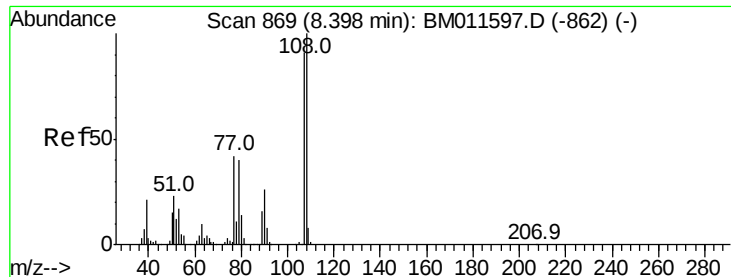
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 24.454 ng/ul

RT: 8.40 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM011609.D

Acq: 19 Sep 2017 18:01

Instrument :

BNA\_M

ClientSampleId :

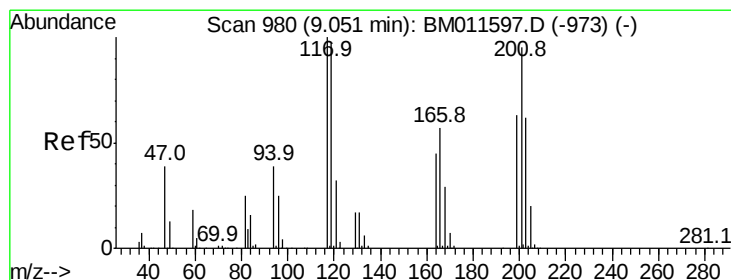
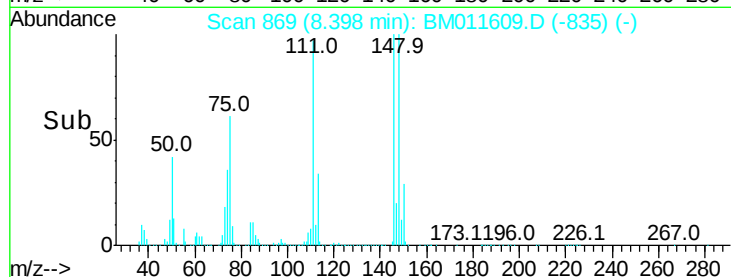
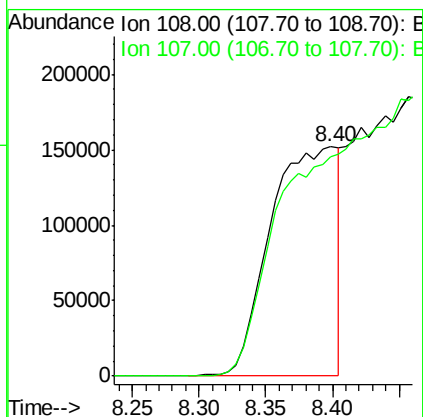
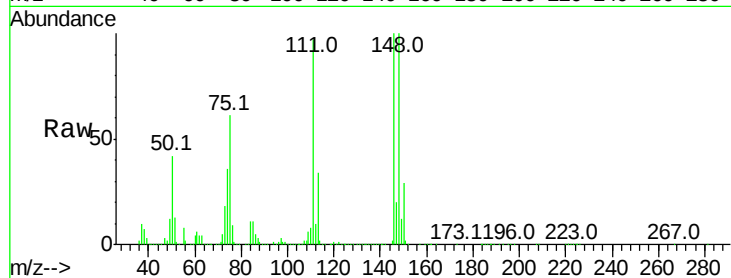
C0AJ2

Tot Ion:108 Resp: 533114

Ion Ratio Lower Upper

108 100

107 95.5 74.1 111.1



#17

Hexachloroethane

Concen: 1.744 ng/ul

RT: 9.07 min Scan# 983

Delta R.T. 0.02 min

Lab File: BM011609.D

Acq: 19 Sep 2017 18:01

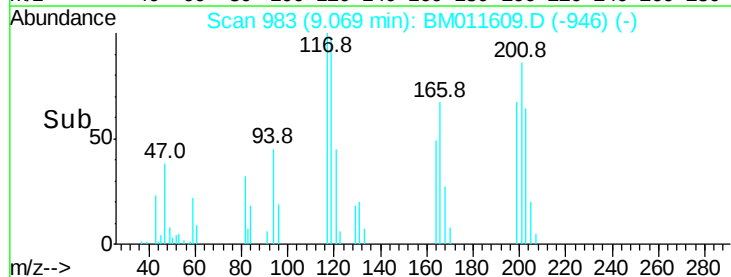
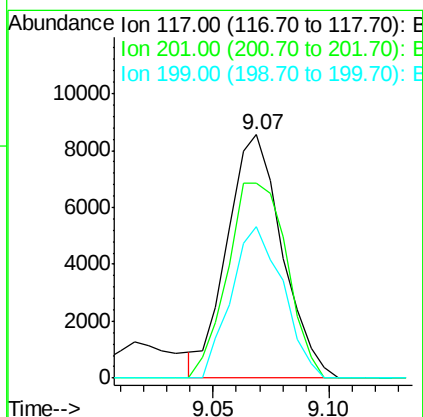
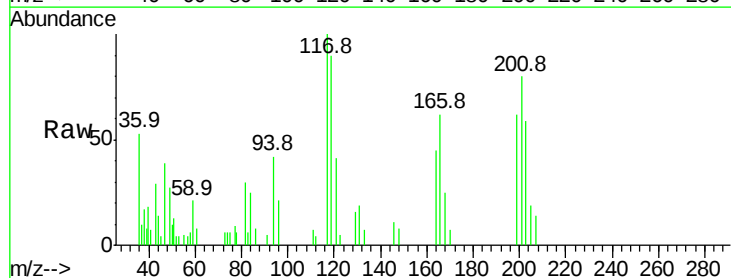
Tgt Ion:117 Resp: 14198

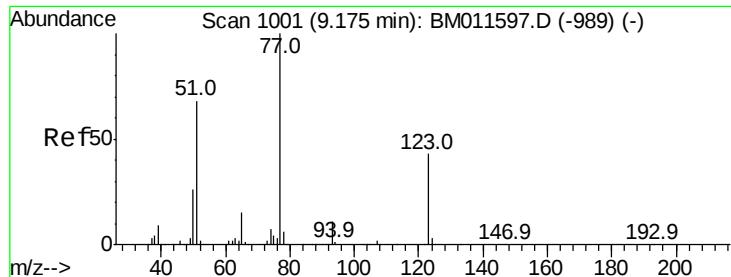
Ion Ratio Lower Upper

117 100

201 79.9 96.1 144.1#

199 62.0 59.7 89.5

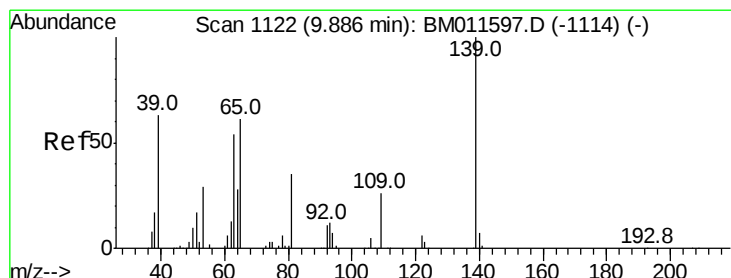
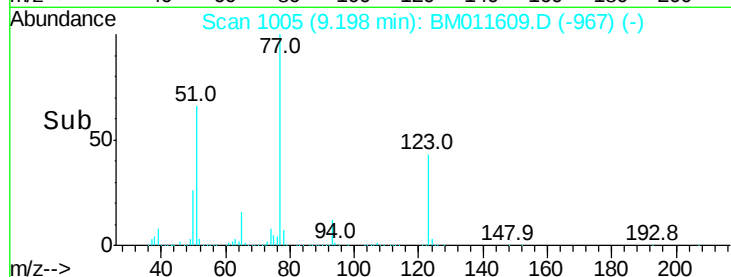
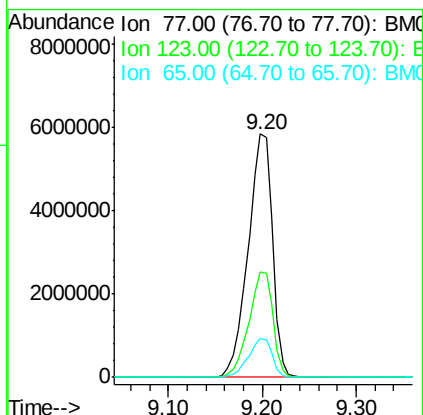
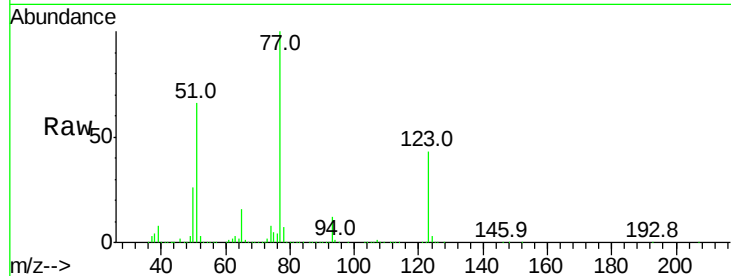




#20  
Nitrobenzene  
Concen: 390.534 ng/ul  
RT: 9.20 min Scan# 1005  
Delta R.T. 0.02 min  
Lab File: BM011609.D  
Acq: 19 Sep 2017 18:01

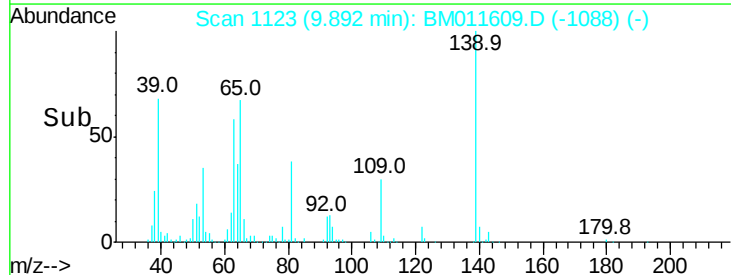
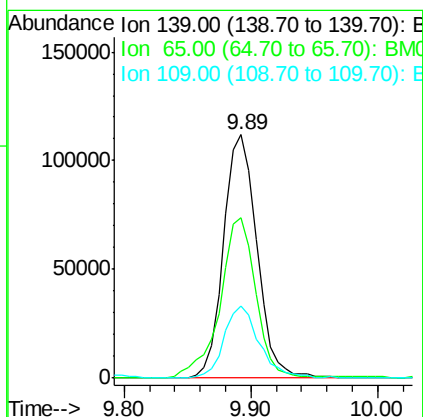
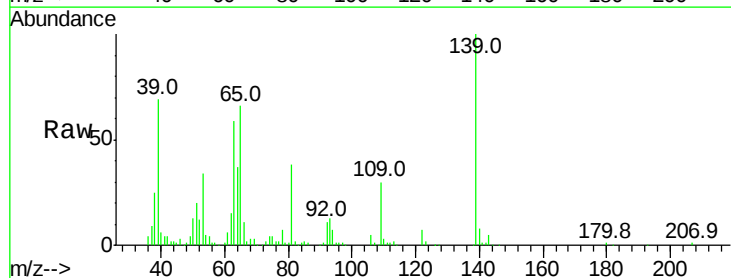
Instrument :  
BNA\_M  
ClientSampleId :  
C0AJ2

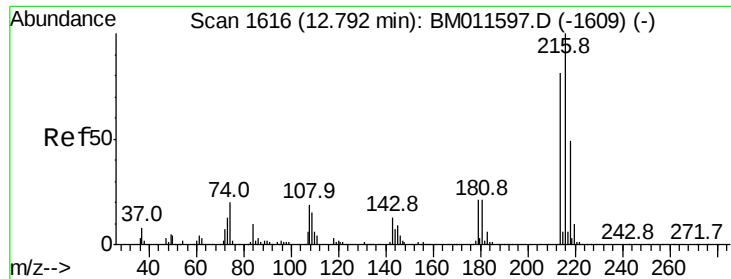
Tot Ion: 77 Resp: 10454469  
Ion Ratio Lower Upper  
77 100  
123 43.2 31.8 47.8  
65 16.1 10.6 16.0#



#23  
2-Nitrophenol  
Concen: 16.466 ng/ul  
RT: 9.89 min Scan# 1123  
Delta R.T. 0.01 min  
Lab File: BM011609.D  
Acq: 19 Sep 2017 18:01

Tgt Ion: 139 Resp: 204751  
Ion Ratio Lower Upper  
139 100  
65 65.8 45.3 67.9  
109 29.6 27.7 41.5

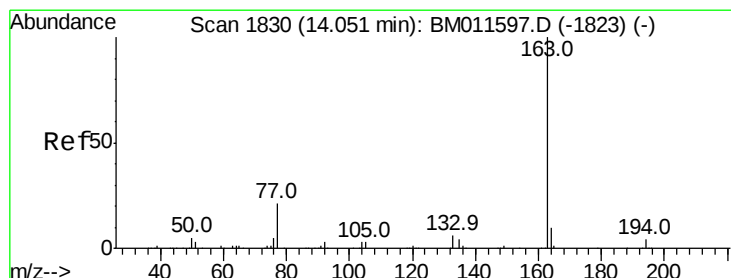
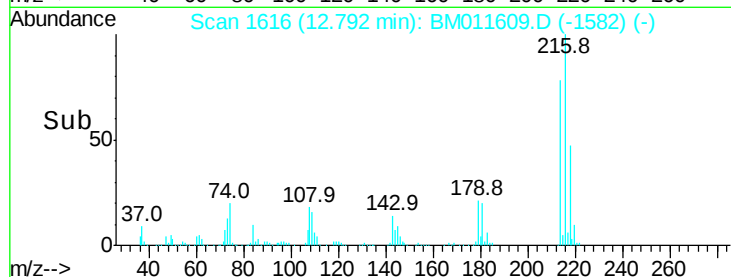
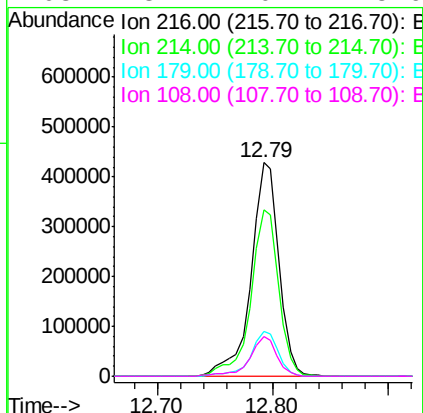
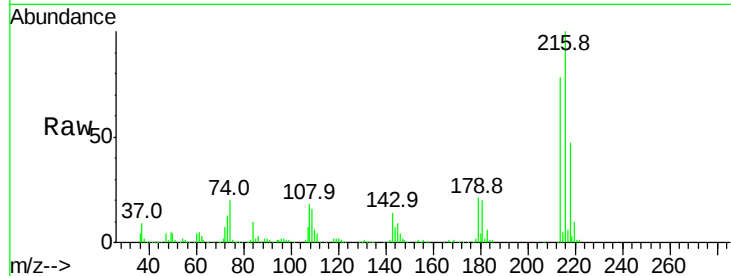




#37  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 27.609 ng/ul  
 RT: 12.79 min Scan# 1616  
 Delta R.T. -0.00 min  
 Lab File: BM011609.D  
 Acq: 19 Sep 2017 18:01

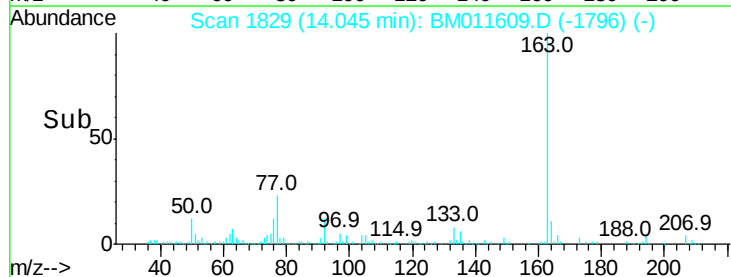
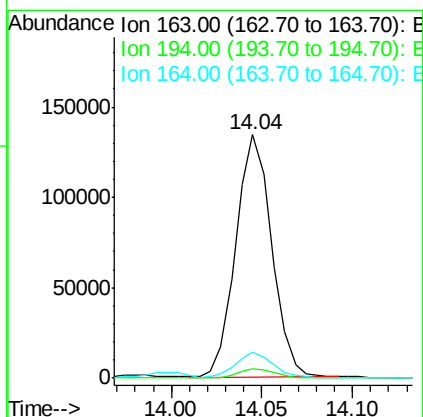
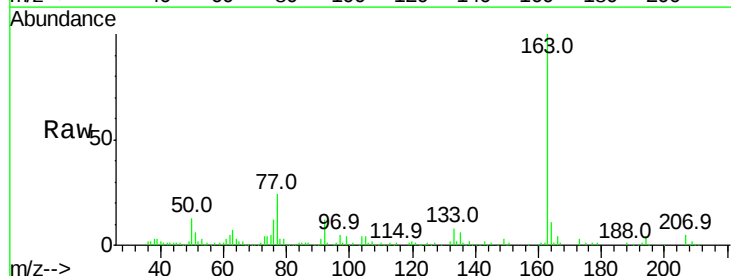
Instrument :  
 BNA\_M  
 ClientSampleId :  
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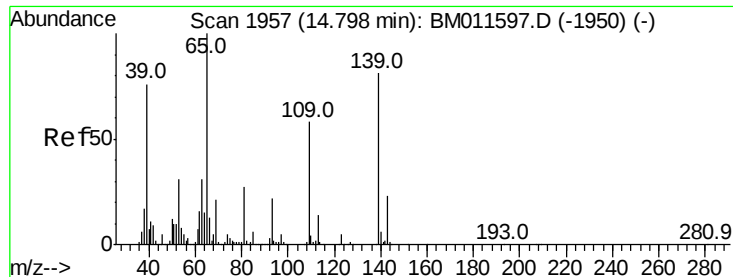
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.1  | 64.1  | 96.1  |
| 179     | 21.2  | 14.5  | 21.7  |
| 108     | 18.4  | 10.4  | 15.6  |



#45  
 Dimethylphthalate  
 Concen: 2.592 ng/ul  
 RT: 14.04 min Scan# 1829  
 Delta R.T. -0.01 min  
 Lab File: BM011609.D  
 Acq: 19 Sep 2017 18:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.7   | 4.0   | 6.0   |
| 164     | 10.6  | 8.4   | 12.6  |





#53

4-Nitrophenol

Concen: 2.864 ng/ul

RT: 14.80 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BM011609.D

Acq: 19 Sep 2017 18:01

Instrument :

BNA\_M

ClientSampleId :

C0AJ2

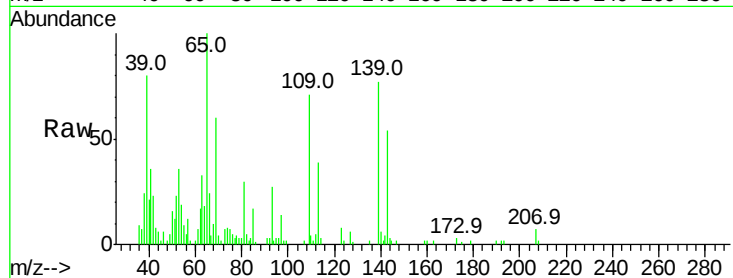
Tot Ion:109 Resp: 25810

Ion Ratio Lower Upper

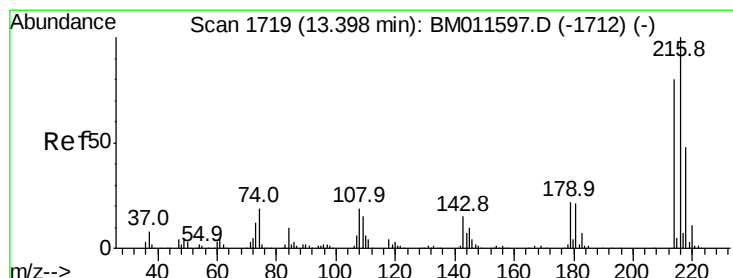
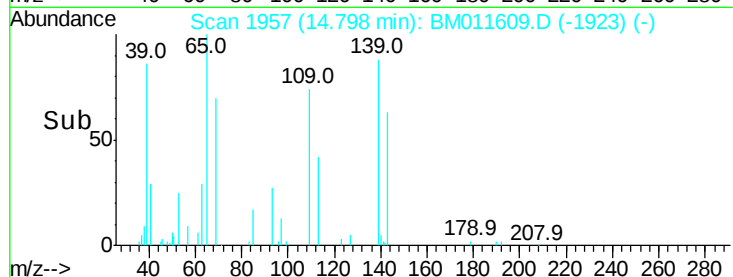
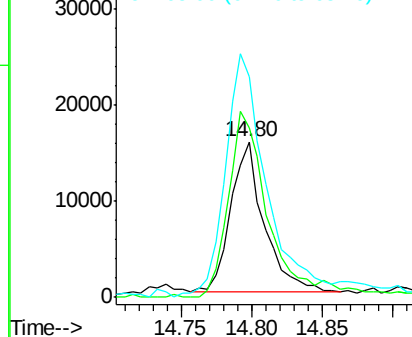
109 100

139 108.9 91.2 136.8

65 141.6 92.6 139.0#



Abundance Ion 109.00 (108.70 to 109.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BM



#73

1,2,3,4-Tetrachlorobenzene

Concen: 80.126 ng/uL

RT: 13.40 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BM011609.D

Acq: 19 Sep 2017 18:01

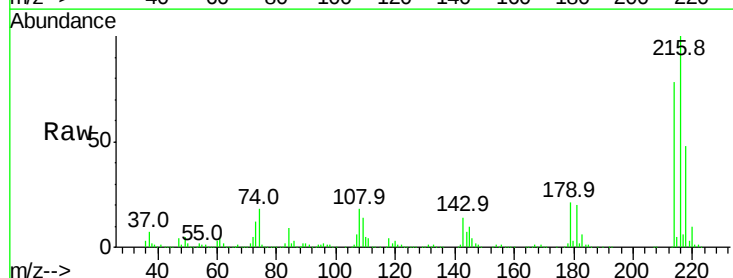
Tgt Ion:216 Resp: 2126087

Ion Ratio Lower Upper

216 100

214 78.1 64.1 96.1

218 48.2 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

