

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\  
 Data File : BG019662.D  
 Acq On : 17 Nov 2015 16:11  
 Operator : UM/NP  
 Sample : G4323-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 18 00:39:18 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 18 00:33:53 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.15  | 152  | 19553    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.97 | 136  | 90474    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.78 | 164  | 76029    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.53 | 188  | 220556   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.79 | 240  | 274473   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.11 | 264  | 262593   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 2366   | 5.17  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.30  | 99  | 53516  | 26.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.46  | 67  | 38082  | 29.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.67  | 132 | 33035  | 25.72 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.85  | 113 | 43456  | 26.20 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 18473  | 24.87 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 22485  | 26.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 43418  | 24.02 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.11 | 131 | 52482  | 30.58 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.18 | 166 | 203808 | 29.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.48 | 160 | 213782 | 28.68 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.97 | 143 | 33422  | 30.85 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.77 | 176 | 186773 | 30.35 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 39278  | 27.57 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.62 | 188 | 342949 | 32.03 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.90 | 212 | 418855 | 33.49 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.88 | 264 | 463722 | 33.83 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |        | Ovalue |
|--------------------------------|-------|-----|--------|-------|--------|--------|
| 4) Benzaldehyde                | 7.27  | 77  | 53750  | 36.82 | ng/ul  | 94     |
| 6) Phenol                      | 7.31  | 94  | 3032   | 1.40  | ng/ul# | 83     |
| 10) 2-Chlorophenol             | 7.71  | 128 | 4136   | 3.30  | ng/ul# | 76     |
| 23) 2-Nitrophenol              | 10.08 | 139 | 28105  | 31.06 | ng/ul  | 99     |
| 28) Naphthalene                | 11.03 | 128 | 32312  | 6.61  | ng/ul# | 95     |
| 30) 4-Chloroaniline            | 11.03 | 127 | 4124   | 2.31  | ng/ul# | 43     |
| 31) Hexachlorobutadiene        | 11.30 | 225 | 24540  | 15.84 | ng/ul  | 92     |
| 33) 4-Chloro-3-methylphenol    | 12.24 | 107 | 20987  | 8.74  | ng/ul  | 93     |
| 35) 1-Methylnaphthalene        | 12.84 | 142 | 47858  | 12.32 | ng/ul  | 90     |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 18973  | 6.23  | ng/ul  | 100    |
| 39) 2,4,6-Trichlorophenol      | 13.23 | 196 | 24102  | 12.97 | ng/ul  | 97     |
| 40) 2,4,5-Trichlorophenol      | 13.23 | 196 | 23287  | 11.97 | ng/ul  | 95     |
| 41) 1,1'-Biphenyl              | 13.62 | 154 | 118106 | 20.89 | ng/ul  | 98     |
| 45) Dimethylphthalate          | 14.23 | 163 | 226182 | 33.17 | ng/ul  | 100    |
| 46) 2,6-Dinitrotoluene         | 14.35 | 165 | 21115  | 15.48 | ng/ul  | 96     |
| 53) 4-Nitrophenol              | 14.99 | 109 | 54505  | 41.28 | ng/ul  | 100    |
| 54) Dibenzofuran               | 15.18 | 168 | 68482  | 9.17  | ng/ul  | 96     |
| 64) 4,6-Dinitro-2-methylphenol | 15.90 | 198 | 28521  | 18.85 | ng/ul# | 97     |
| 67) Hexachlorobenzene          | 16.83 | 284 | 21426  | 7.66  | ng/ul# | 88     |
| 69) Pentachlorophenol          | 17.17 | 266 | 28499  | 18.21 | ng/ul  | 99     |
| 70) Phenanthrene               | 17.57 | 178 | 280506 | 23.76 | ng/ul  | 100    |
| 72) Anthracene                 | 17.66 | 178 | 119796 | 10.06 | ng/ul  | 97     |
| 76) Di-n-butylphthalate        | 18.47 | 149 | 199943 | 16.13 | ng/ul  | 99     |

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Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Nov 18 00:39:18 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 18 00:33:53 2015  
Response via : Initial Calibration

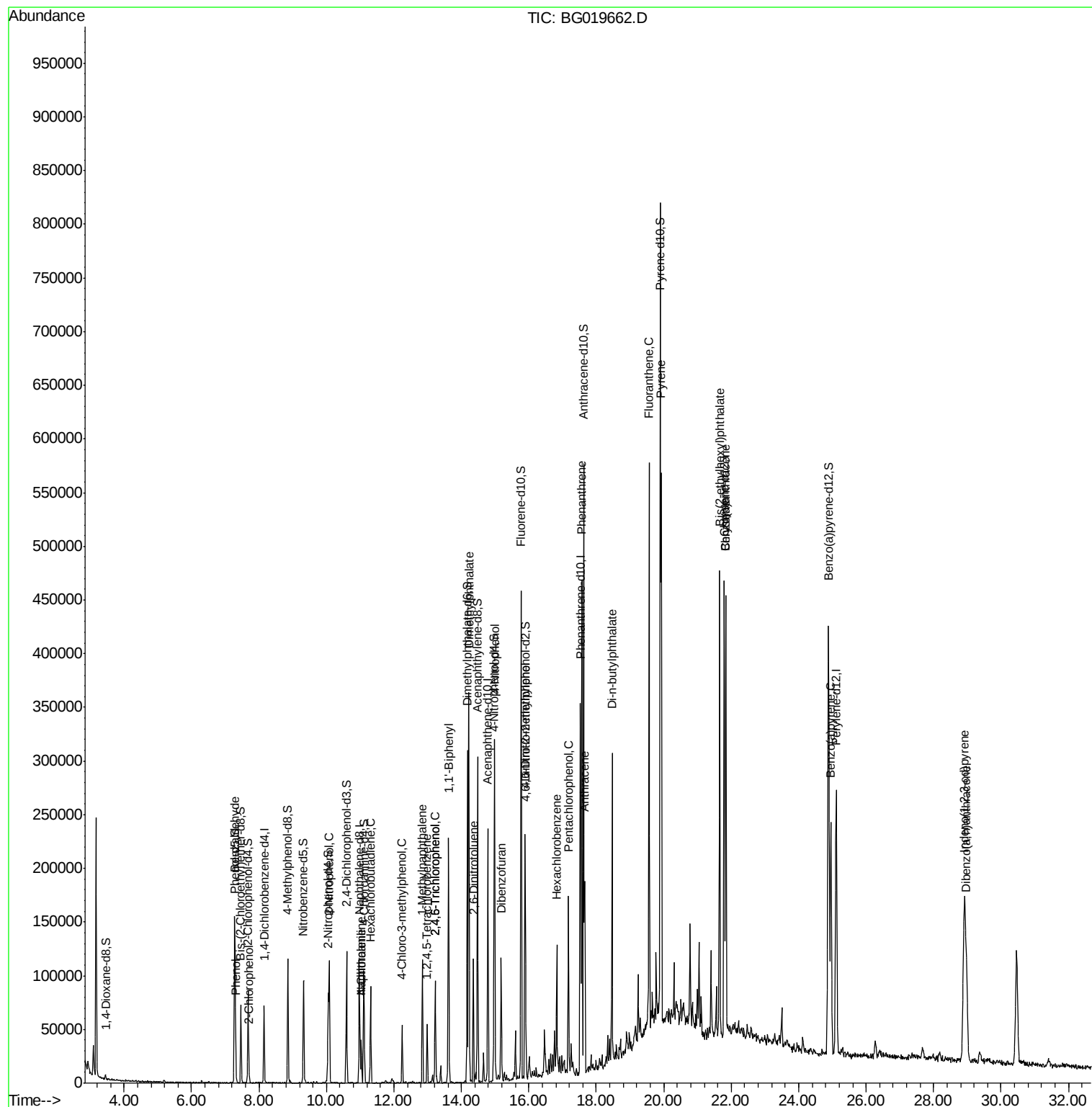
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 77) Fluoranthene               | 19.56 | 202  | 313237   | 20.82 | ng/ul  | 99       |
| 80) Pyrene                     | 19.92 | 202  | 328873   | 20.52 | ng/ul  | 99       |
| 83) Benzo(a)anthracene         | 21.84 | 228  | 274186   | 16.48 | ng/ul# | 93       |
| 84) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 168298   | 21.77 | ng/ul  | 96       |
| 85) Chrysene                   | 21.84 | 228  | 274186   | 17.50 | ng/ul  | 96       |
| 91) Benzo(a)pyrene             | 24.95 | 252  | 241250   | 15.49 | ng/ul  | 97       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.91 | 276  | 305777   | 17.54 | ng/ul  | 95       |
| 93) Dibenzo(a,h)anthracene     | 28.97 | 278  | 96918    | 6.76  | ng/ul# | 99       |

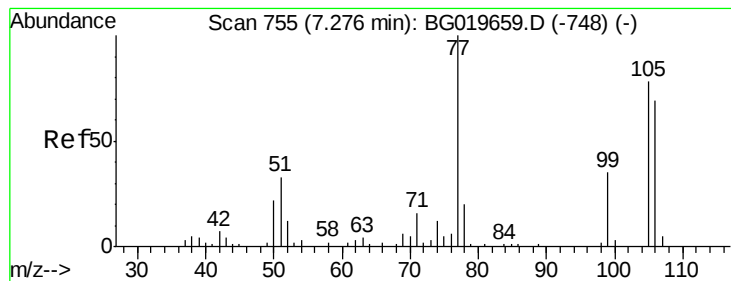
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 36.82 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :

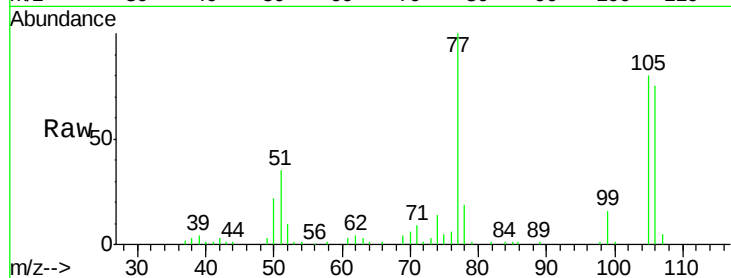
Tot Ion: 77 Resp: 53750

Ion Ratio Lower Upper

77 100

105 80.0 58.6 88.0

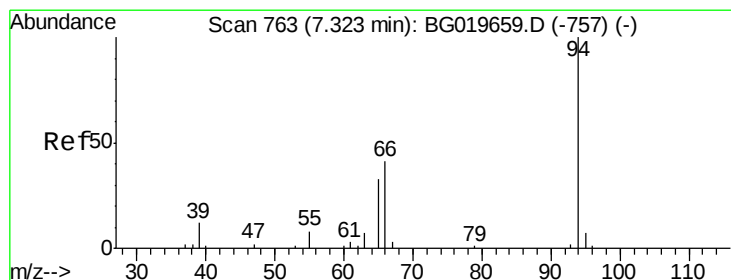
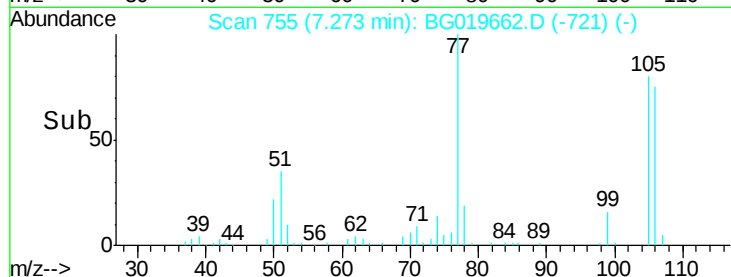
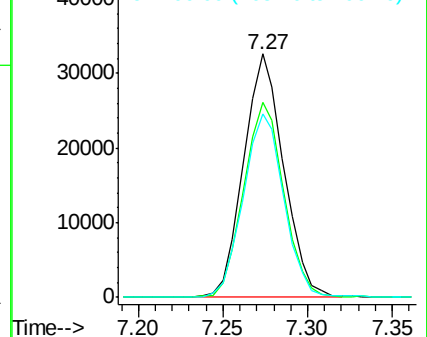
106 75.3 57.7 86.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.40 ng/ul

RT: 7.31 min Scan# 762

Delta R.T. -0.01 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

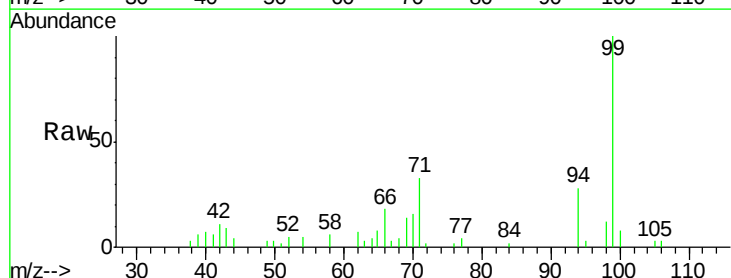
Tgt Ion: 94 Resp: 3032

Ion Ratio Lower Upper

94 100

65 29.5 27.4 41.0

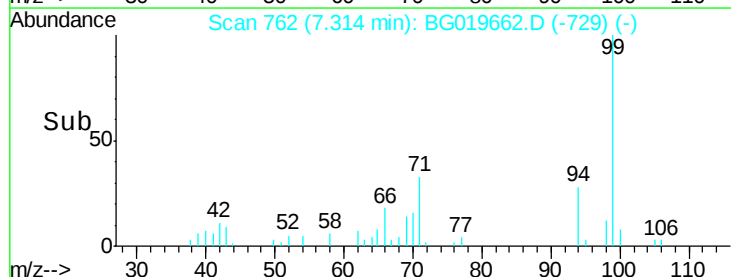
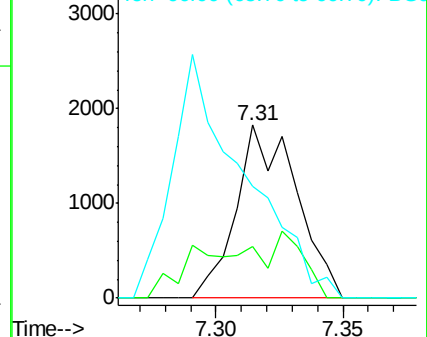
66 64.4 39.0 58.6#

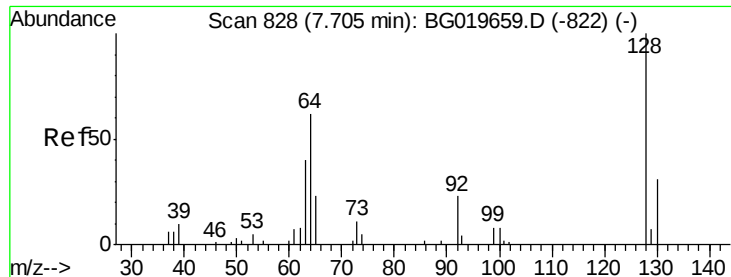


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

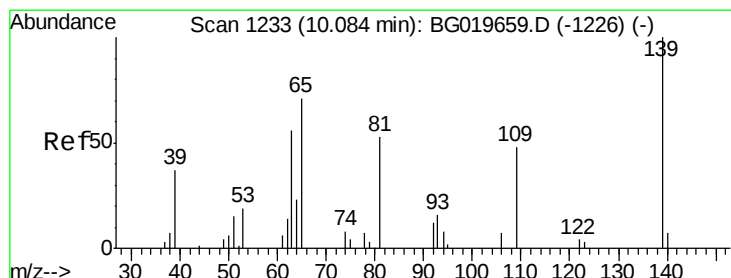
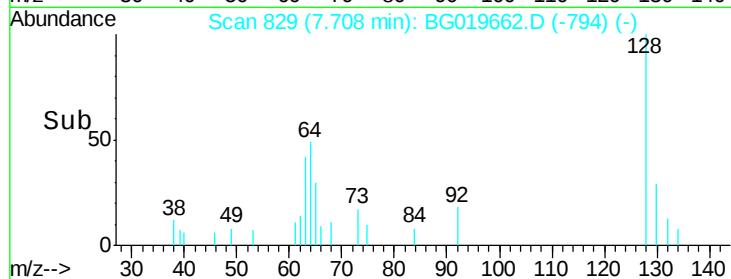
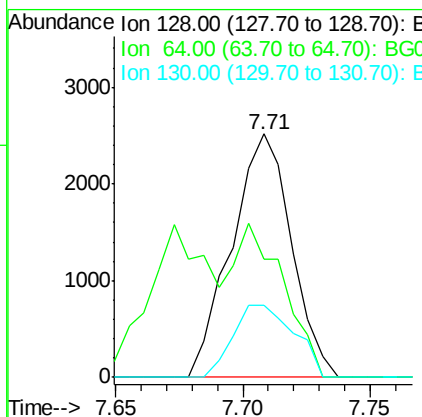
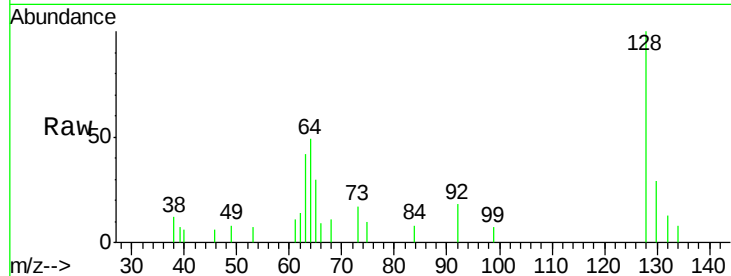




#10  
2-Chlorophenol  
Concen: 3.30 ng/ul  
RT: 7.71 min Scan# 829  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

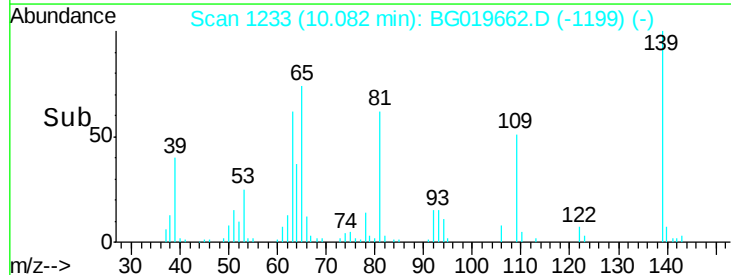
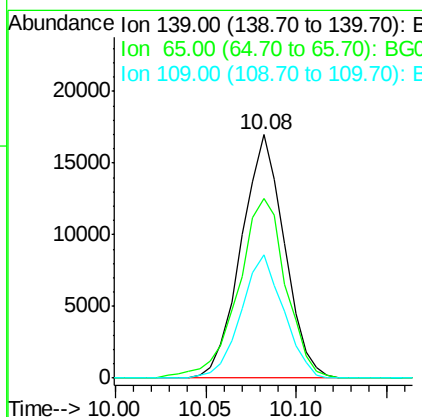
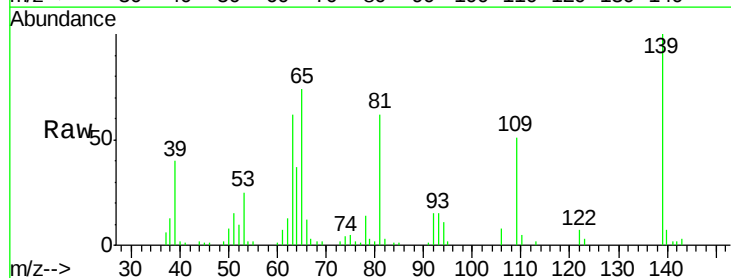
Instrument :  
BNA\_G  
ClientSampleId :

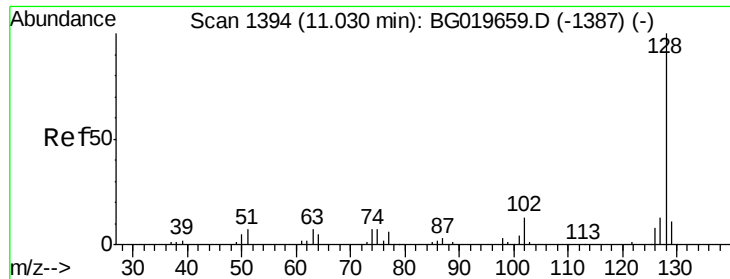
Tot Ion:128 Resp: 4136  
Ion Ratio Lower Upper  
128 100  
64 48.7 59.4 89.0#  
130 29.4 28.9 43.3



#23  
2-Nitrophenol  
Concen: 31.06 ng/ul  
RT: 10.08 min Scan# 1233  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:139 Resp: 28105  
Ion Ratio Lower Upper  
139 100  
65 73.8 58.2 87.2  
109 50.8 40.5 60.7

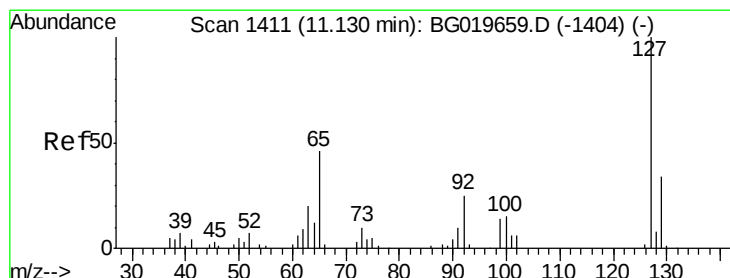
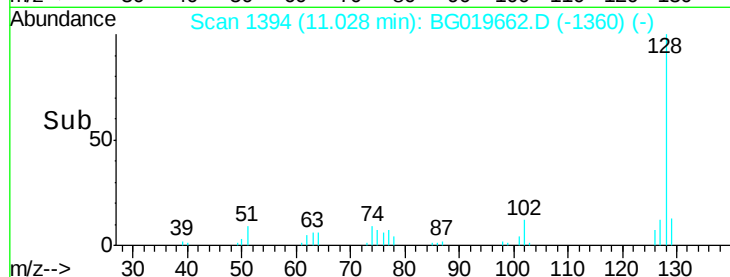
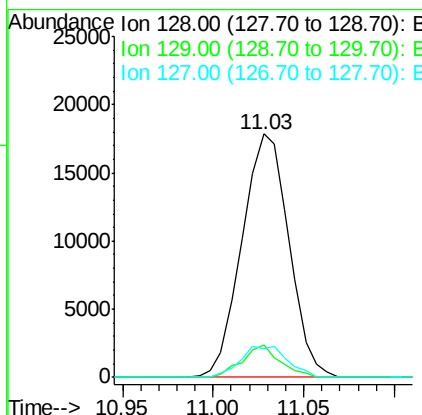
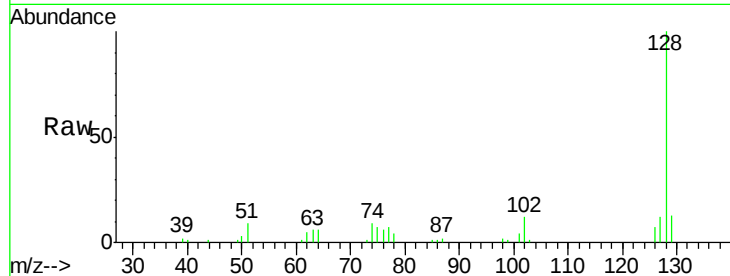




#28  
Naphthalene  
Concen: 6.61 ng/ul  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

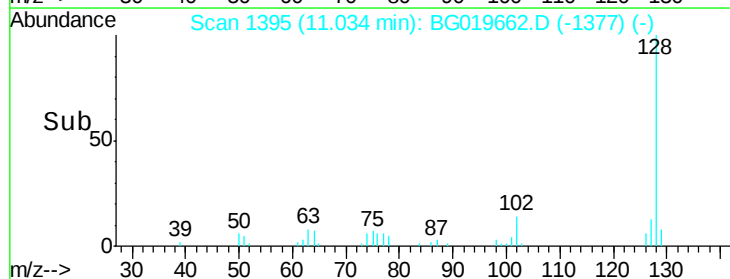
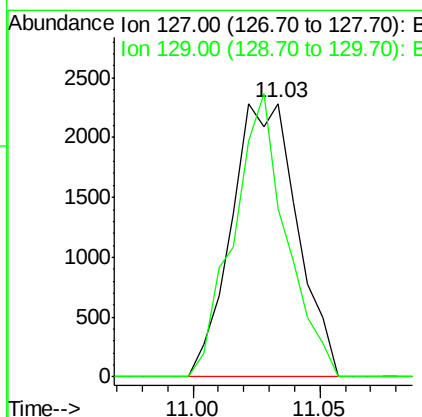
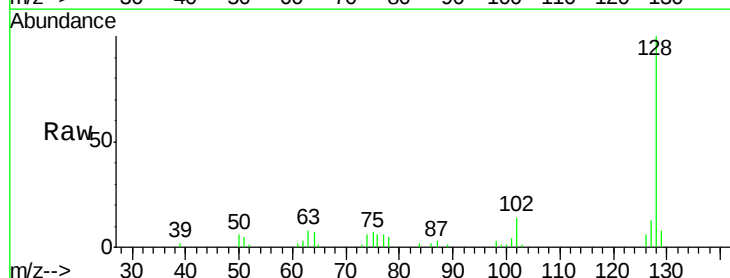
Instrument :  
BNA\_G  
ClientSampleId :

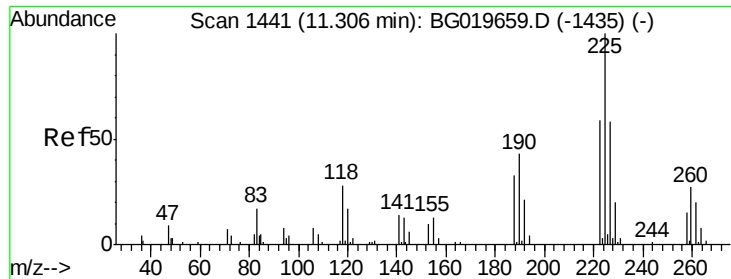
Tot Ion:128 Resp: 32312  
Ion Ratio Lower Upper  
128 100  
129 13.2 8.1 12.1#  
127 11.7 10.0 15.0



#30  
4-Chloroaniline  
Concen: 2.31 ng/ul  
RT: 11.03 min Scan# 1395  
Delta R.T. -0.10 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:127 Resp: 4124  
Ion Ratio Lower Upper  
127 100  
129 61.4 24.2 36.4#

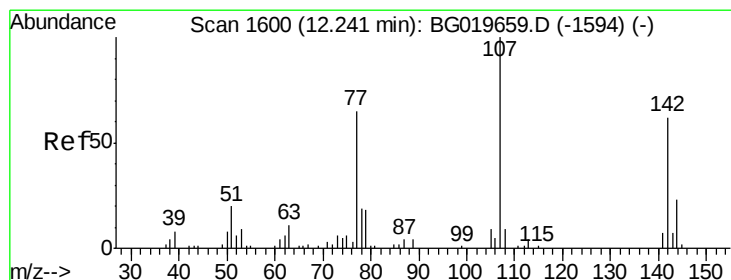
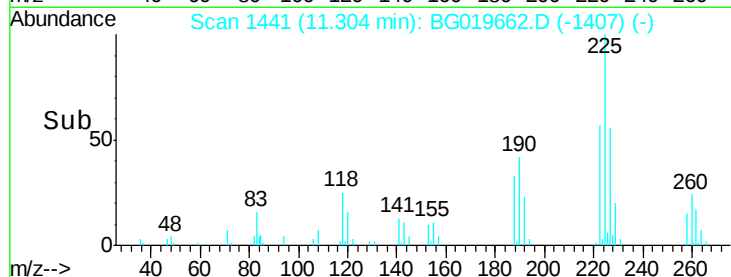
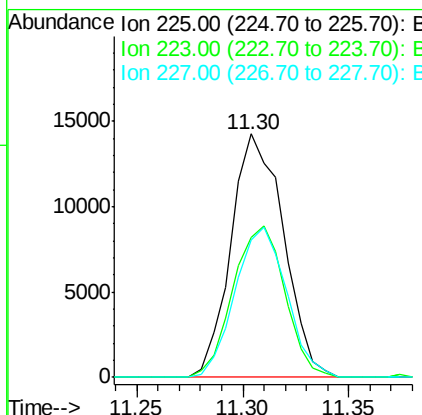
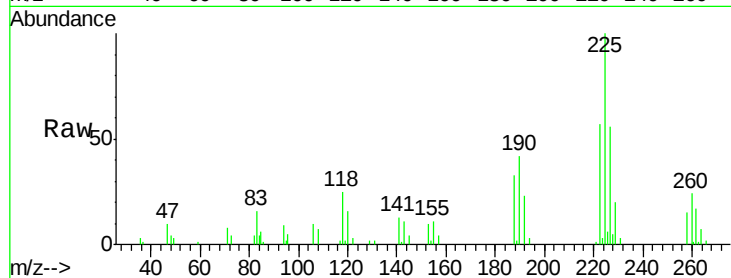




#31  
Hexachlorobutadiene  
Concen: 15.84 ng/ul  
RT: 11.30 min Scan# 1441  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

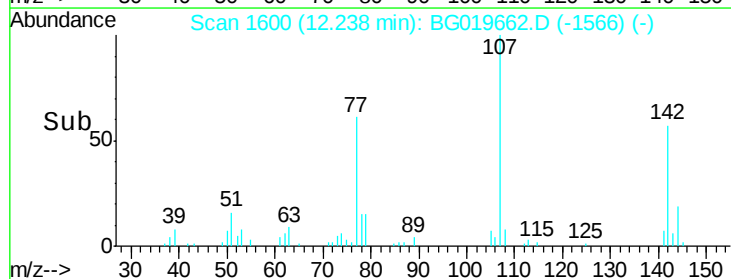
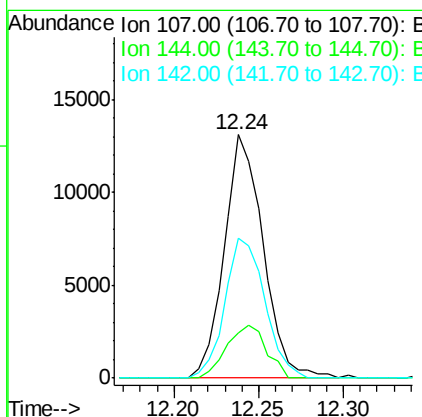
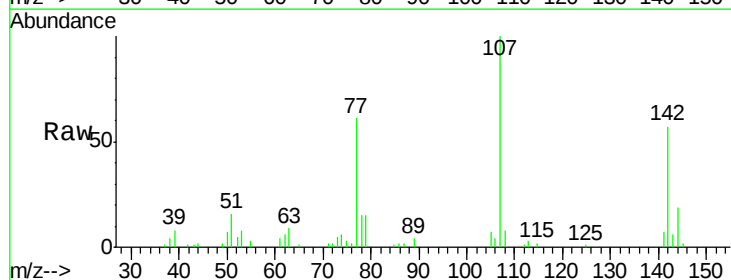
Instrument :  
BNA\_G  
ClientSampleId :

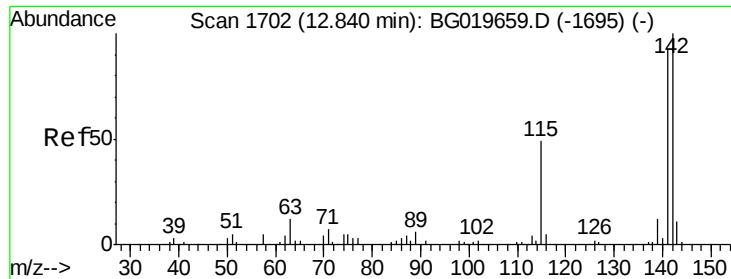
Tot Ion:225 Resp: 24540  
Ion Ratio Lower Upper  
225 100  
223 60.2 52.4 78.6  
227 56.5 51.0 76.6



#33  
4-Chloro-3-methylphenol  
Concen: 8.74 ng/ul  
RT: 12.24 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:107 Resp: 20987  
Ion Ratio Lower Upper  
107 100  
144 18.8 18.2 27.2  
142 57.5 50.1 75.1





#35

1-Methylnaphthalene

Concen: 12.32 ng/ul

RT: 12.84 min Scan# 1703

Delta R.T. 0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :

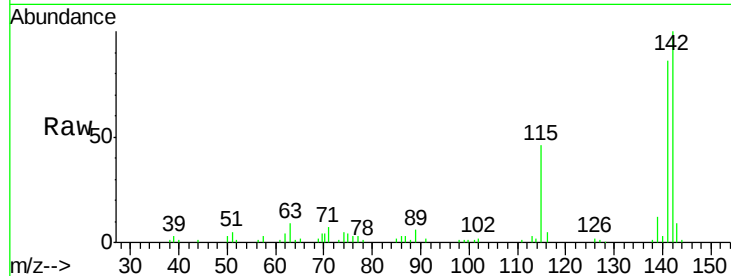
Tot Ion:142 Resp: 47858

Ion Ratio Lower Upper

142 100

141 85.6 76.6 114.8

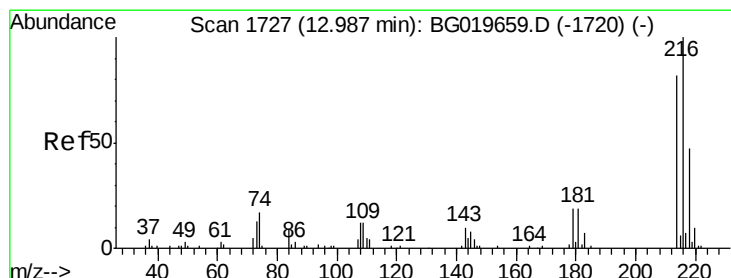
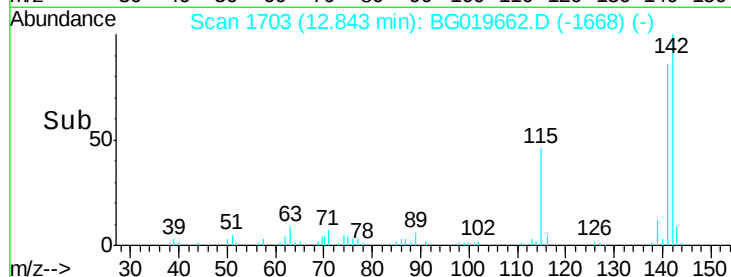
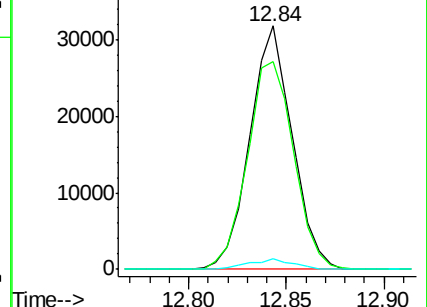
116 4.6 4.1 6.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 6.23 ng/ul

RT: 12.98 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Tgt Ion:216 Resp: 18973

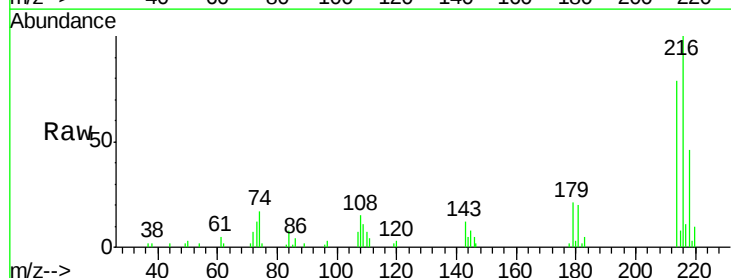
Ion Ratio Lower Upper

216 100

214 78.8 62.9 94.3

179 21.1 16.9 25.3

108 14.8 12.6 18.8

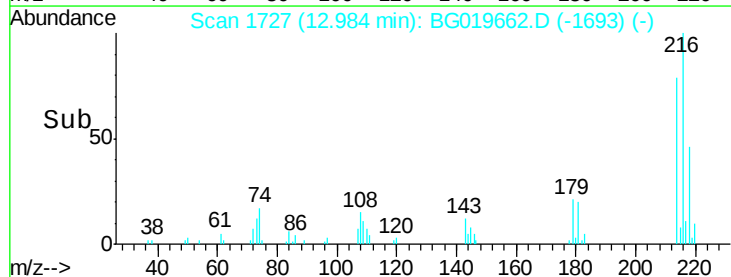
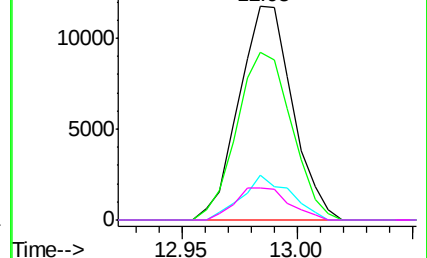


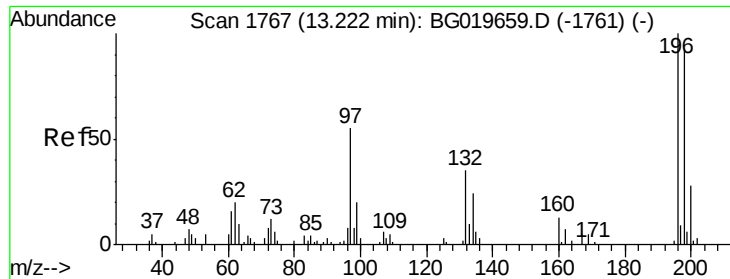
Abundance Ion 216.00 (215.70 to 216.70): E

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

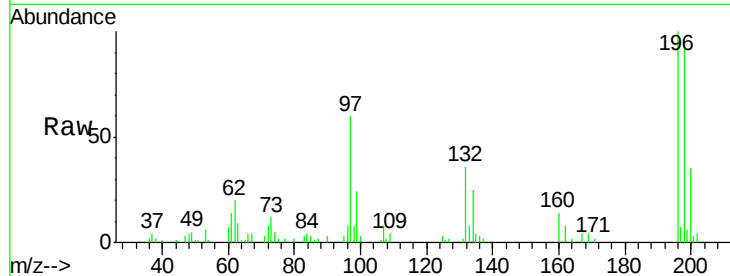




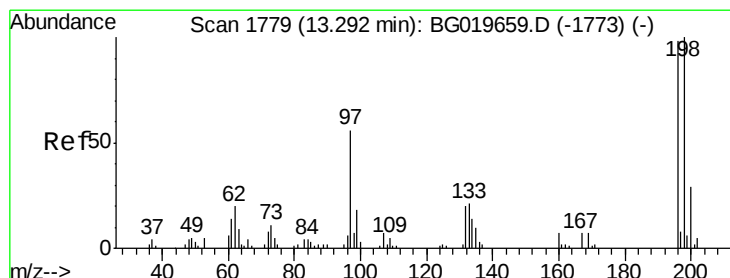
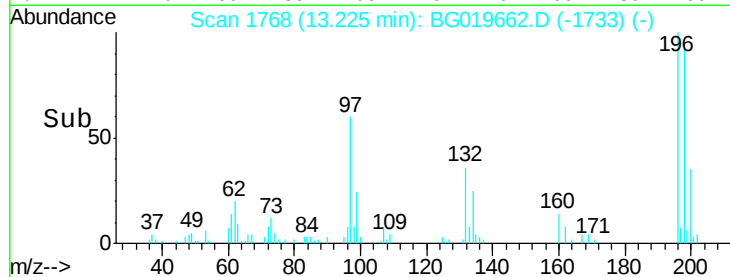
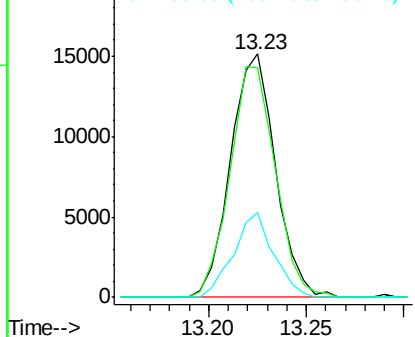
#39  
 2,4,6-Trichlorophenol  
 Concen: 12.97 ng/ul  
 RT: 13.23 min Scan# 1768  
 Delta R.T. 0.00 min  
 Lab File: BG019662.D  
 Acq: 17 Nov 2015 16:11

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 24102  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 73.3 109.9  
 200 34.8 26.1 39.1

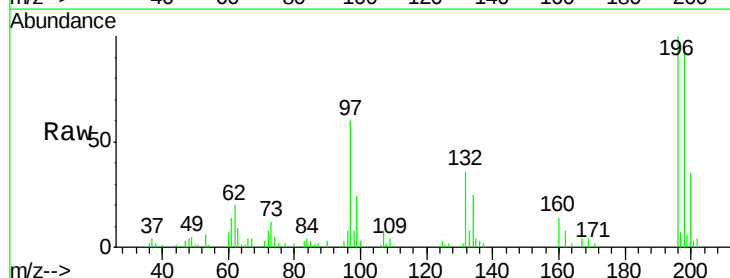


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

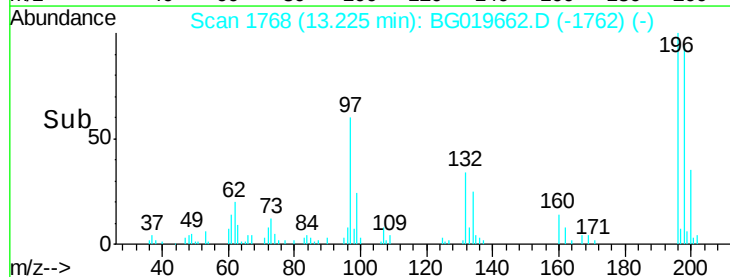
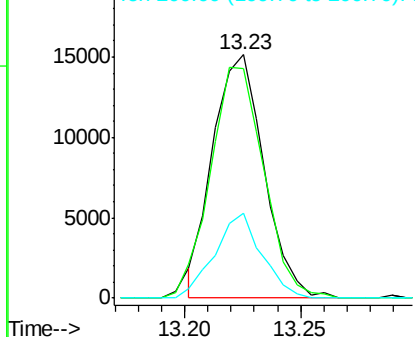


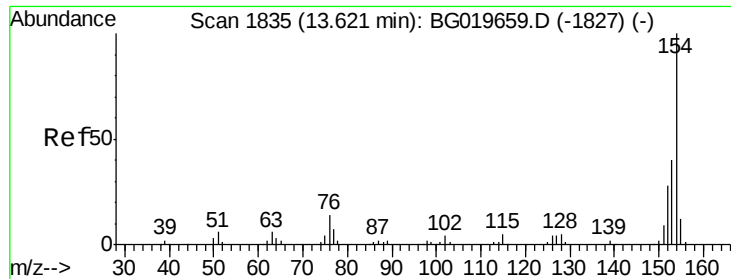
#40  
 2,4,5-Trichlorophenol  
 Concen: 11.97 ng/ul  
 RT: 13.23 min Scan# 1768  
 Delta R.T. -0.07 min  
 Lab File: BG019662.D  
 Acq: 17 Nov 2015 16:11

Tgt Ion:196 Resp: 23287  
 Ion Ratio Lower Upper  
 196 100  
 198 94.3 79.0 118.4  
 200 34.8 24.2 36.2



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

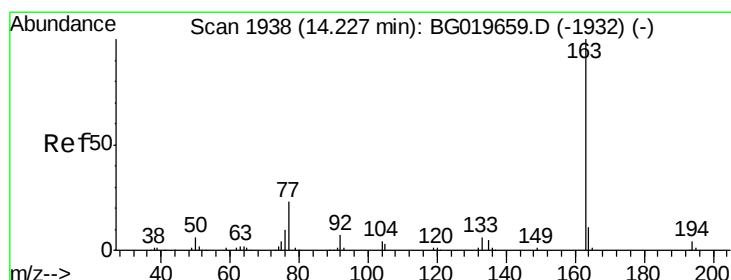
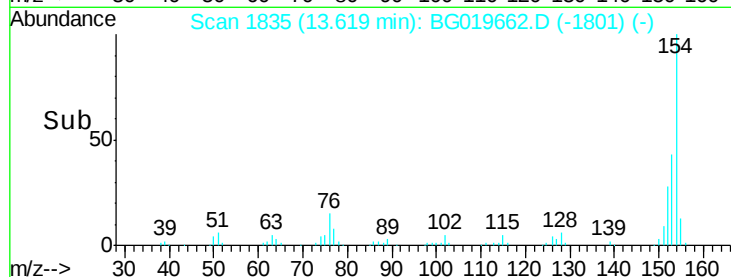
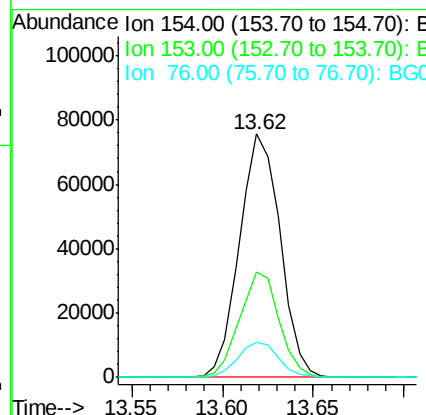
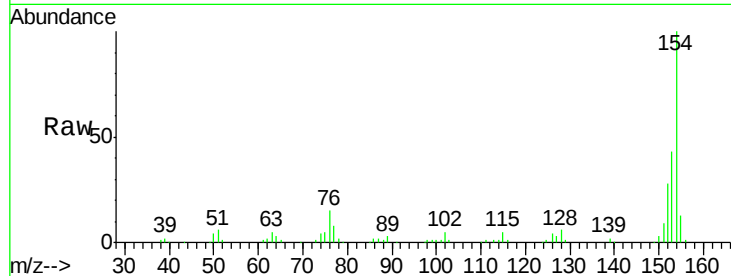




#41  
1,1'-Biphenyl  
Concen: 20.89 ng/ul  
RT: 13.62 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

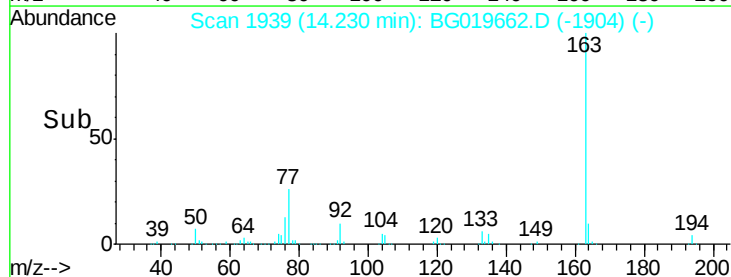
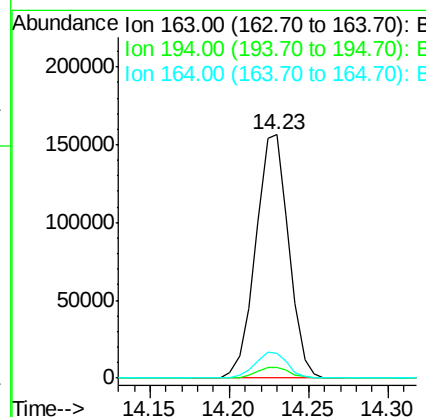
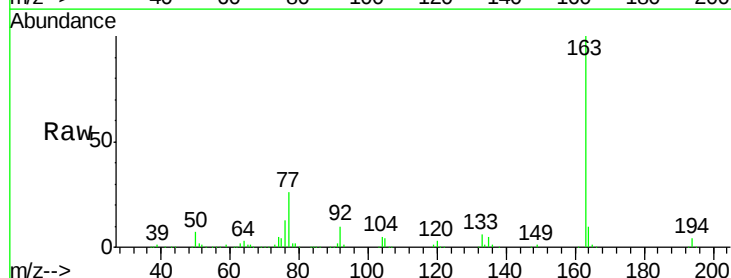
Instrument :  
BNA\_G  
ClientSampled :

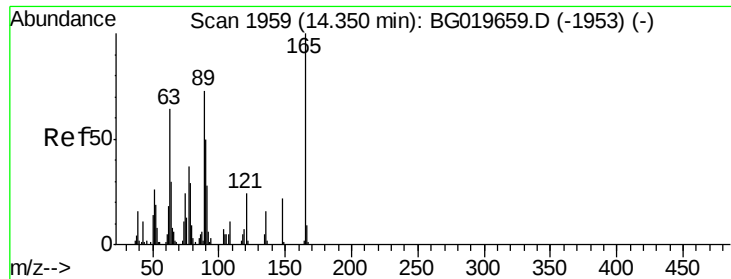
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.1  | 33.4  | 50.0  |
| 76      | 14.6  | 12.1  | 18.1  |



#45  
Dimethylphthalate  
Concen: 33.17 ng/ul  
RT: 14.23 min Scan# 1939  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.4   | 3.5   | 5.3   |
| 164     | 10.3  | 8.3   | 12.5  |

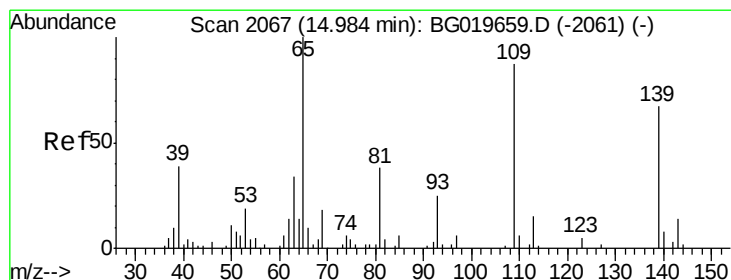
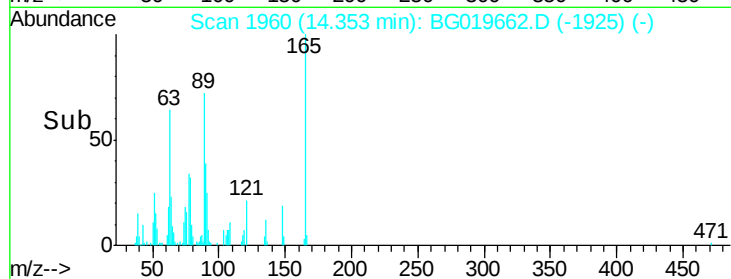
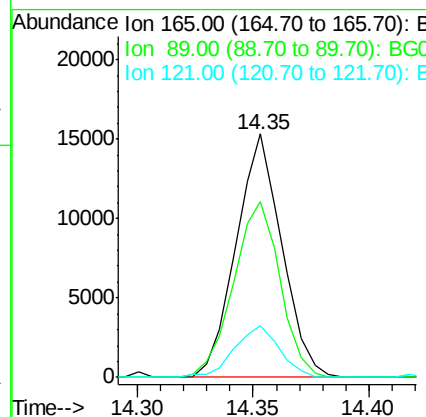
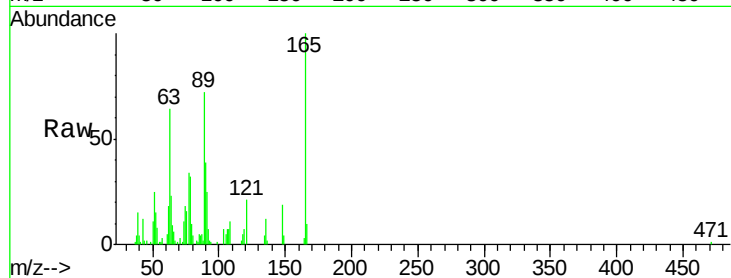




#46  
 2,6-Dinitrotoluene  
 Concen: 15.48 ng/ul  
 RT: 14.35 min Scan# 1960  
 Delta R.T. 0.00 min  
 Lab File: BG019662.D  
 Acq: 17 Nov 2015 16:11

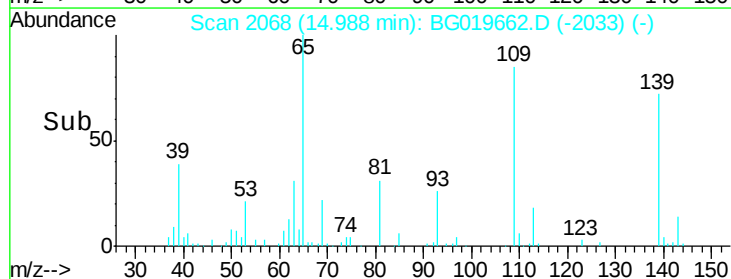
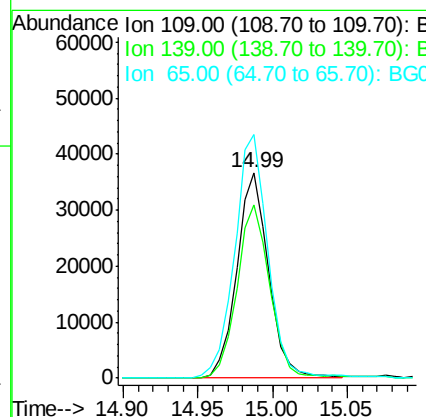
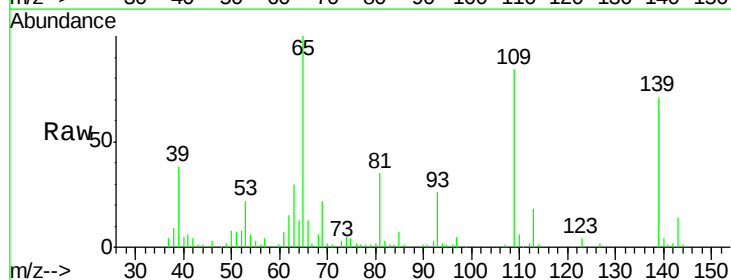
Instrument :  
 BNA\_G  
 ClientSampleId :

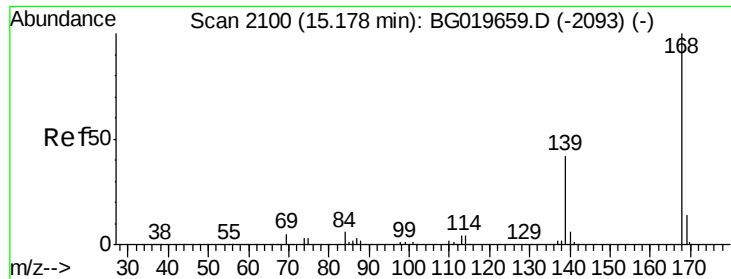
Tot Ion:165 Resp: 21115  
 Ion Ratio Lower Upper  
 165 100  
 89 72.4 61.1 91.7  
 121 21.0 17.8 26.8



#53  
 4-Nitrophenol  
 Concen: 41.28 ng/ul  
 RT: 14.99 min Scan# 2068  
 Delta R.T. 0.00 min  
 Lab File: BG019662.D  
 Acq: 17 Nov 2015 16:11

Tgt Ion:109 Resp: 54505  
 Ion Ratio Lower Upper  
 109 100  
 139 84.3 67.8 101.6  
 65 118.5 94.5 141.7

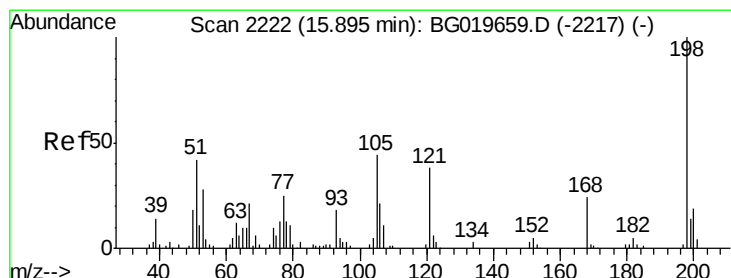
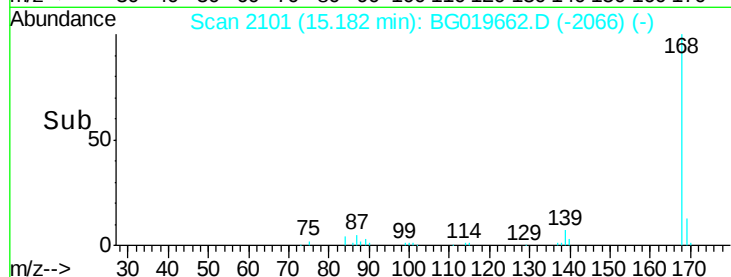
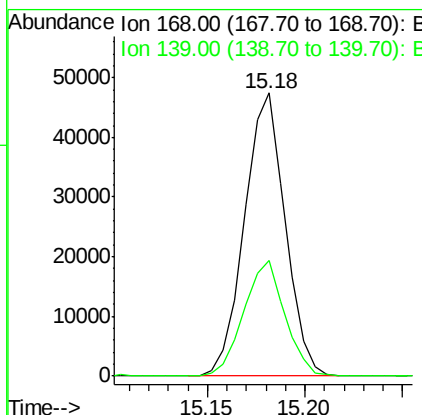
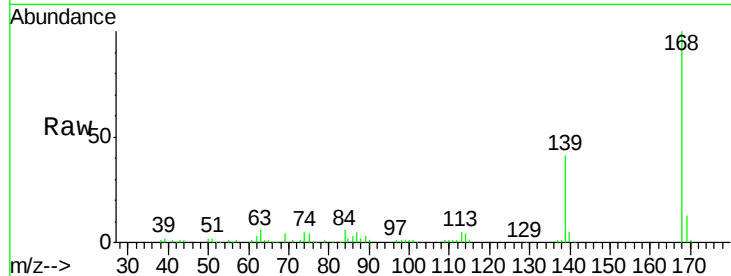




#54  
Dibenzofuran  
Concen: 9.17 ng/ul  
RT: 15.18 min Scan# 2101  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

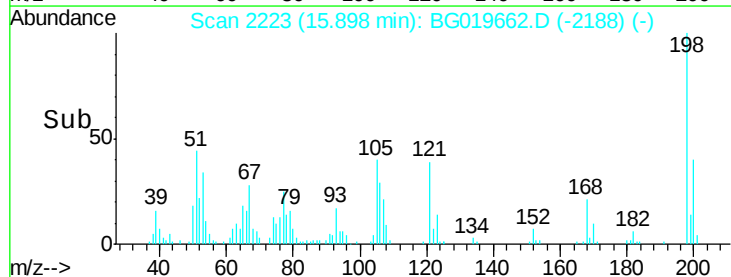
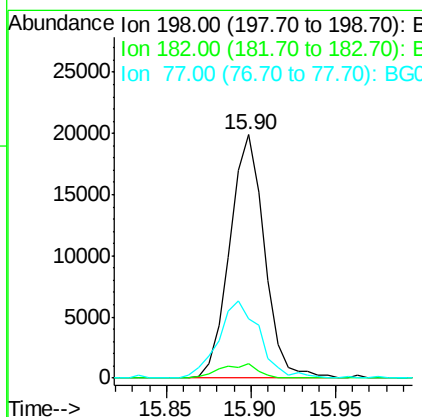
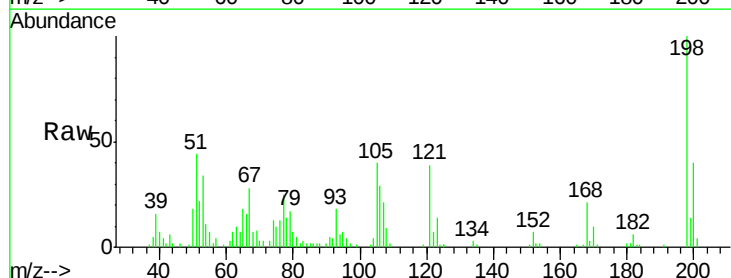
Instrument :  
BNA\_G  
ClientSampled :

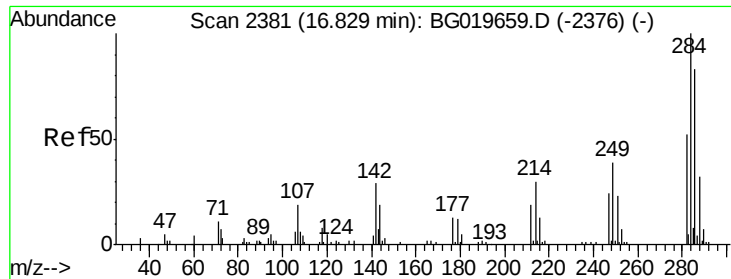
Tot Ion:168 Resp: 68482  
Ion Ratio Lower Upper  
168 100  
139 41.1 34.7 52.1



#64  
4,6-Dinitro-2-methylphenol  
Concen: 18.85 ng/ul  
RT: 15.90 min Scan# 2223  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:198 Resp: 28521  
Ion Ratio Lower Upper  
198 100  
182 5.9 3.4 5.2#  
77 24.6 20.6 31.0

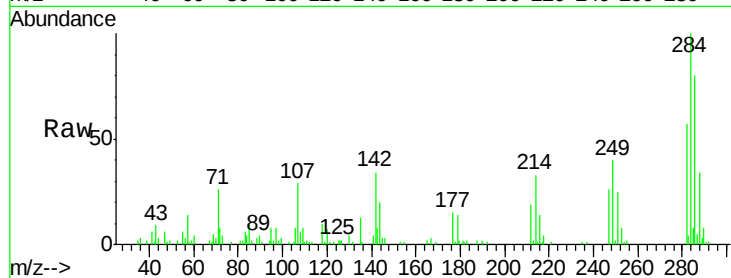




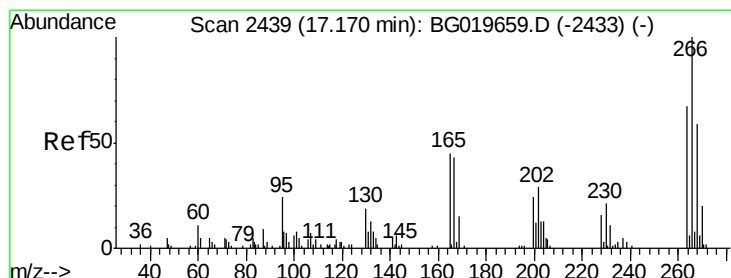
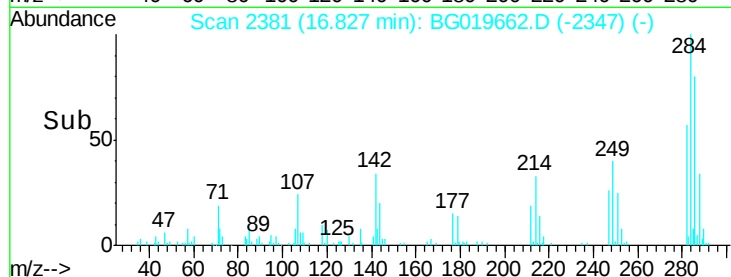
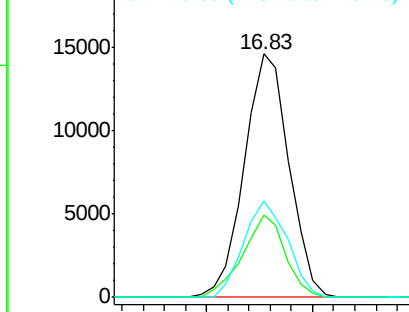
#67  
Hexachlorobenzene  
Concen: 7.66 ng/ul  
RT: 16.83 min Scan# 2381  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 21426  
Ion Ratio Lower Upper  
284 100  
142 38.7 23.6 35.4#  
249 38.7 27.8 41.6

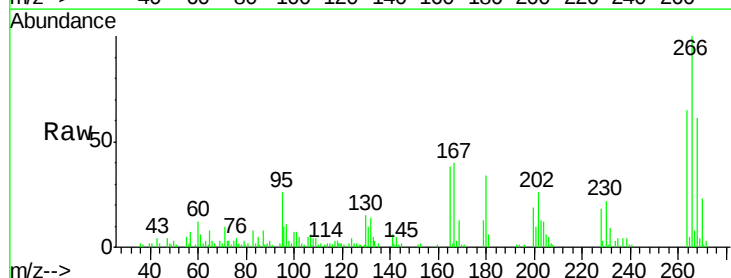


Abundance Ion 284.00 (283.70 to 284.70): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

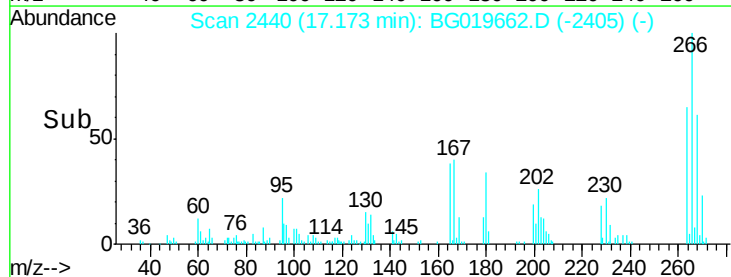
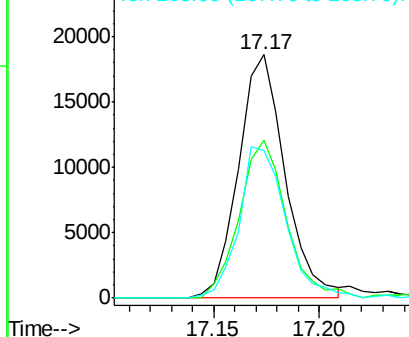


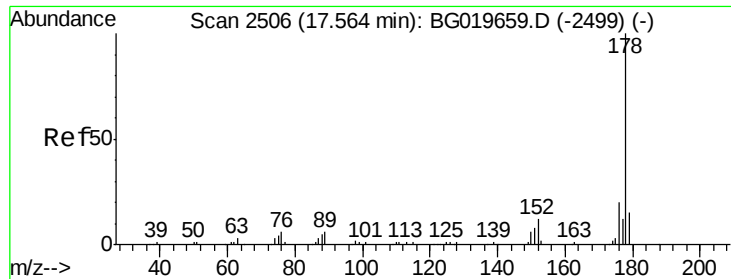
#69  
Pentachlorophenol  
Concen: 18.21 ng/ul  
RT: 17.17 min Scan# 2440  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:266 Resp: 28499  
Ion Ratio Lower Upper  
266 100  
264 64.9 51.8 77.8  
268 60.6 46.8 70.2



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 23.76 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :

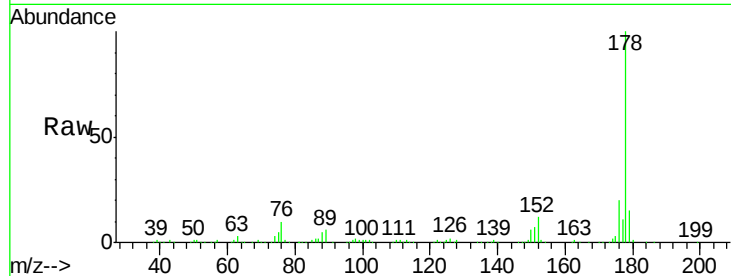
Tot Ion:178 Resp: 280506

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

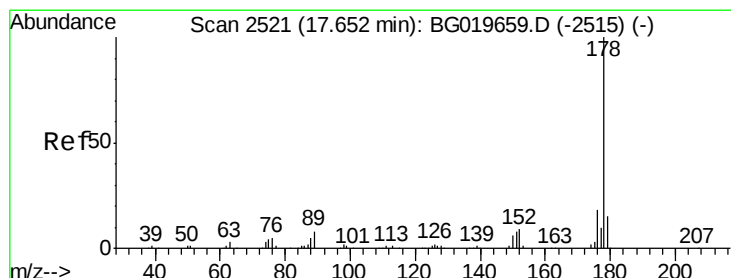
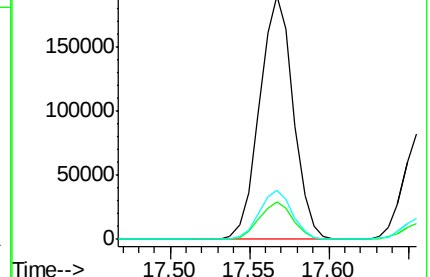
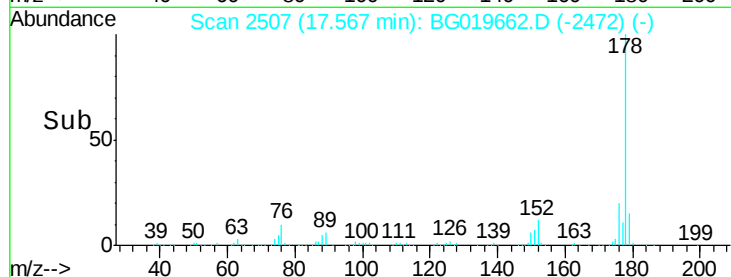
176 20.4 16.6 24.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 10.06 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

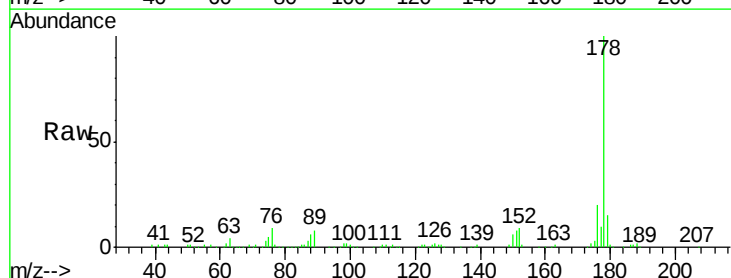
Tgt Ion:178 Resp: 119796

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

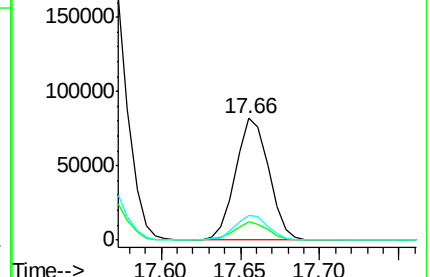
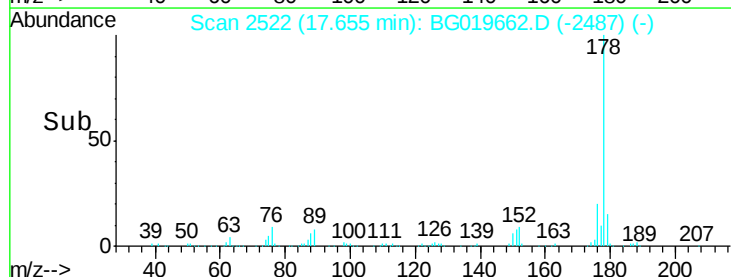
176 19.9 15.0 22.4

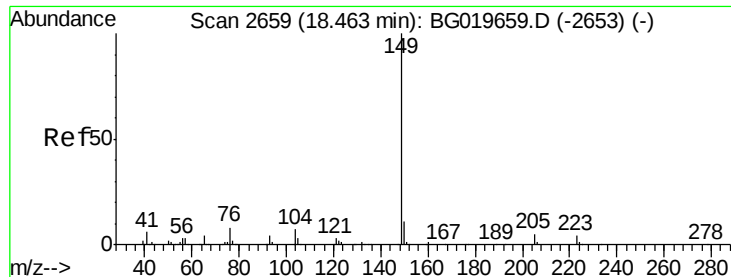


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

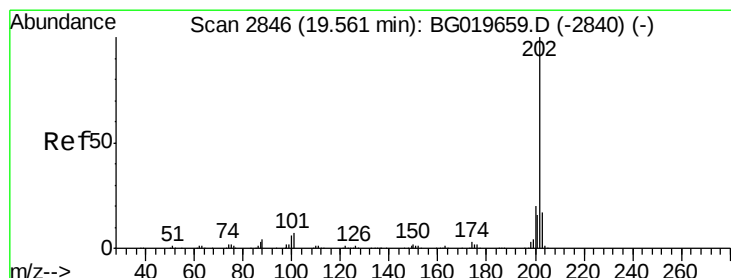
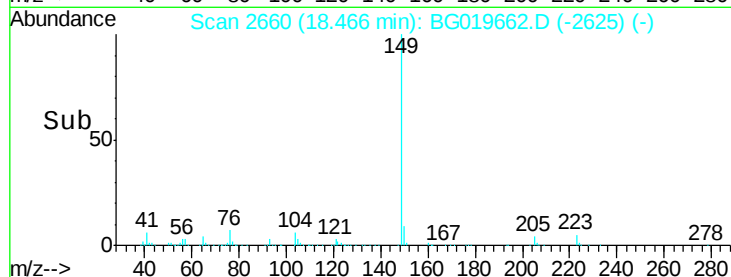
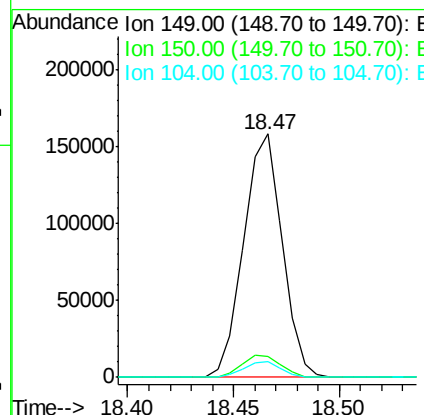
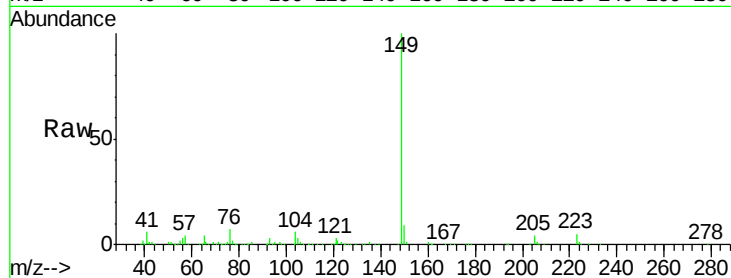




#76  
Di-n-butylphthalate  
Concen: 16.13 ng/ul  
RT: 18.47 min Scan# 2660  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

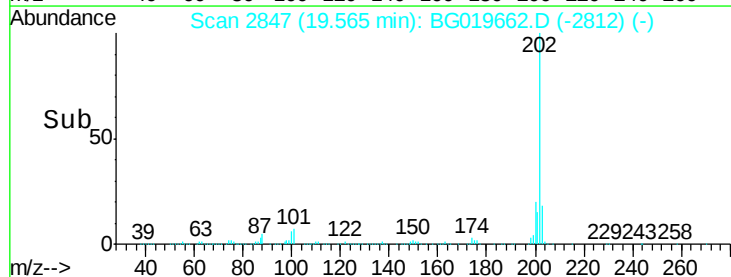
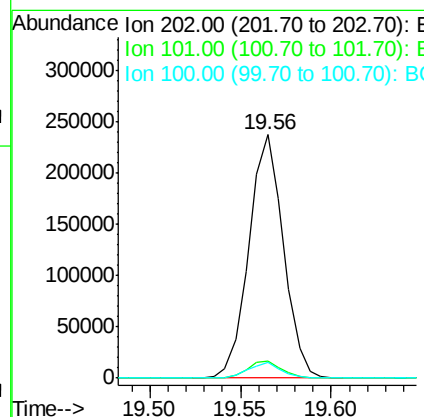
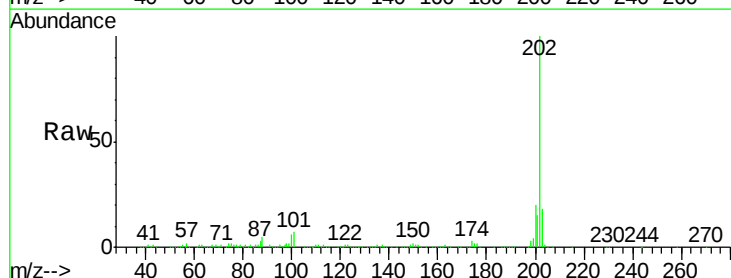
Instrument :  
BNA\_G  
ClientSampleId :

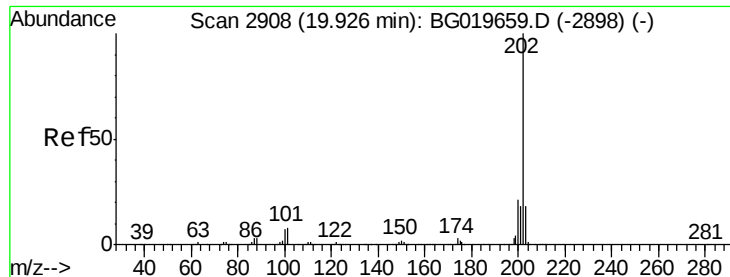
Tot Ion:149 Resp: 199943  
Ion Ratio Lower Upper  
149 100  
150 8.7 7.4 11.2  
104 6.5 5.5 8.3



#77  
Fluoranthene  
Concen: 20.82 ng/ul  
RT: 19.56 min Scan# 2847  
Delta R.T. 0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

Tgt Ion:202 Resp: 313237  
Ion Ratio Lower Upper  
202 100  
101 6.9 5.2 7.8  
100 6.3 5.0 7.4

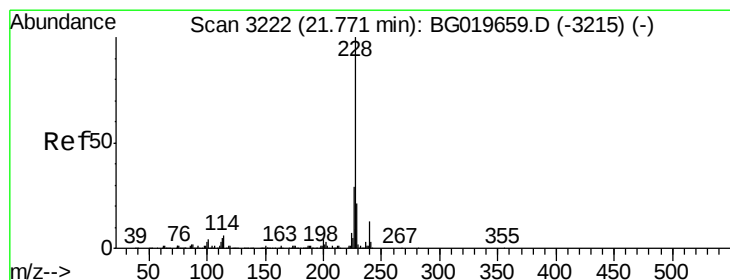
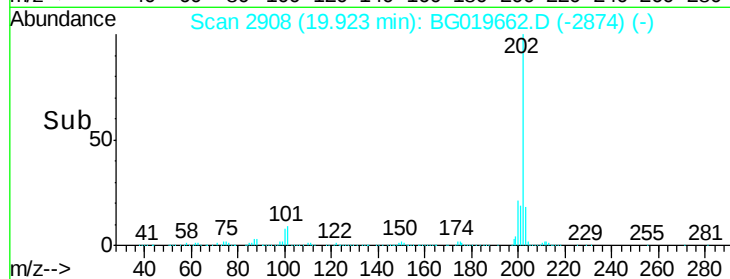
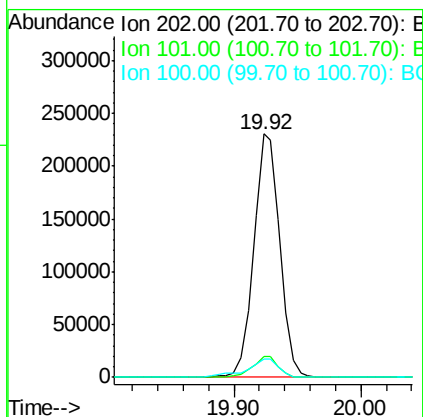
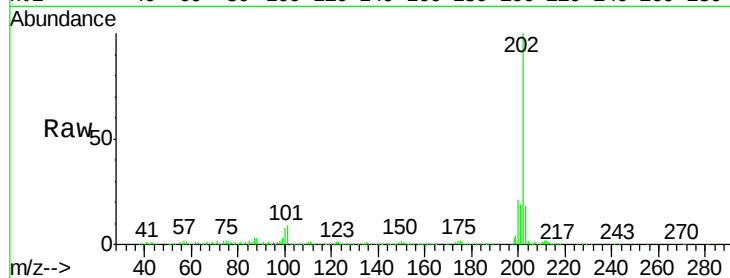




#80  
Pvrene  
Concen: 20.52 ng/ul  
RT: 19.92 min Scan# 2908  
Delta R.T. -0.00 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

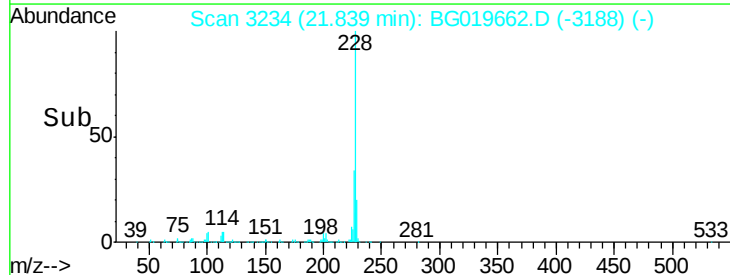
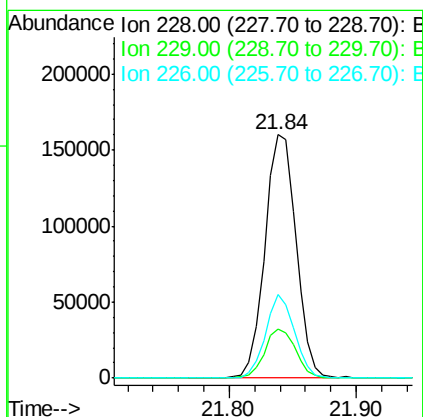
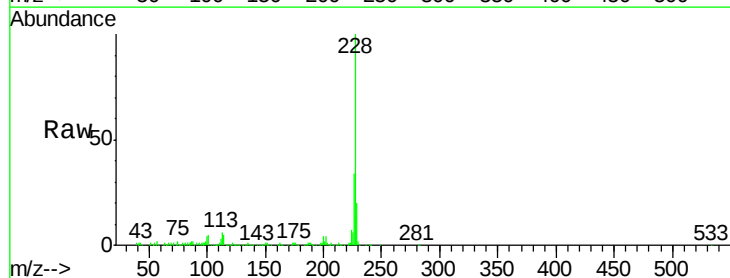
Instrument :  
BNA\_G  
ClientSampleId :

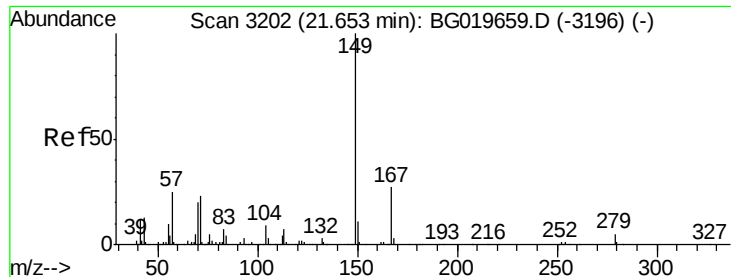
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.6   | 7.0   | 10.6  |
| 100     | 7.8   | 6.6   | 10.0  |



#83  
Benzo(a)anthracene  
Concen: 16.48 ng/ul  
RT: 21.84 min Scan# 3234  
Delta R.T. 0.07 min  
Lab File: BG019662.D  
Acq: 17 Nov 2015 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.2  | 15.7  | 23.5  |
| 226     | 34.2  | 22.6  | 33.8  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 21.77 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :

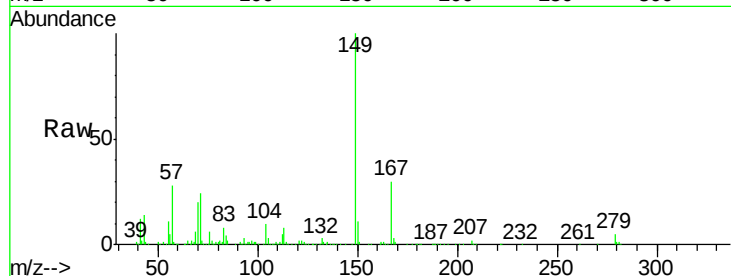
Tot Ion:149 Resp: 168298

Ion Ratio Lower Upper

149 100

167 30.3 22.4 33.6

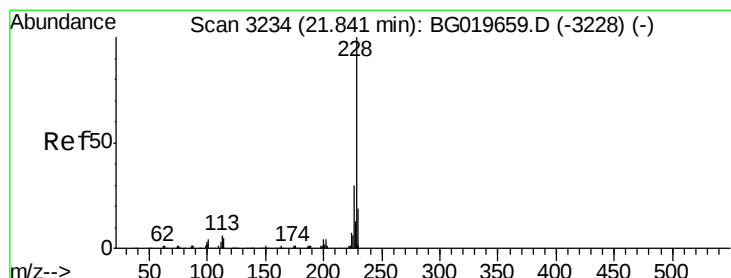
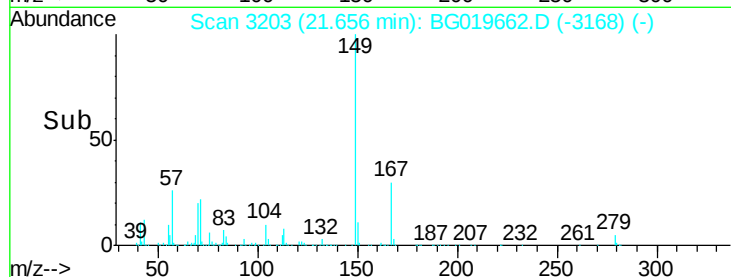
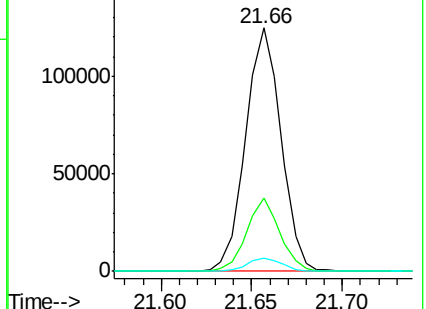
279 5.2 3.6 5.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 17.50 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. -0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

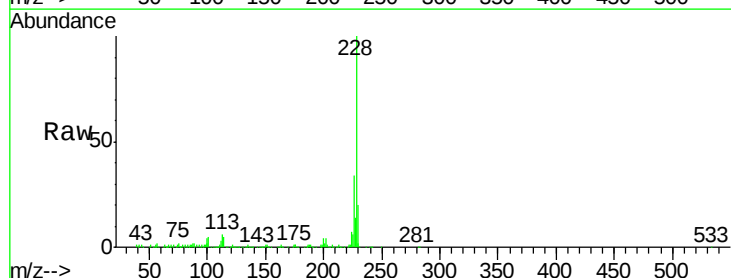
Tgt Ion:228 Resp: 274186

Ion Ratio Lower Upper

228 100

226 34.2 24.9 37.3

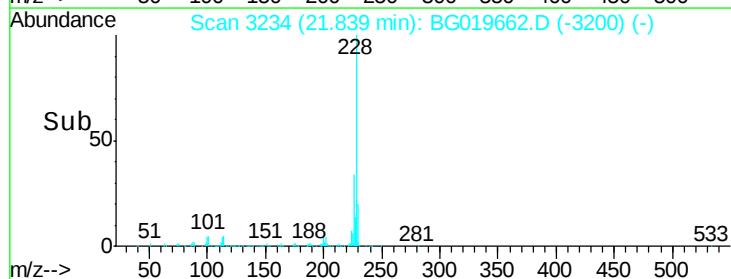
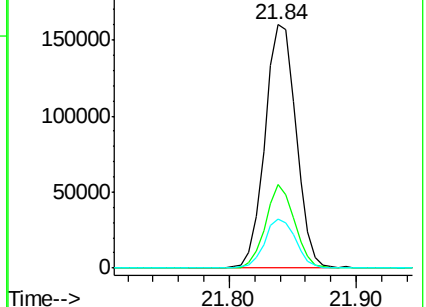
229 20.2 17.0 25.6

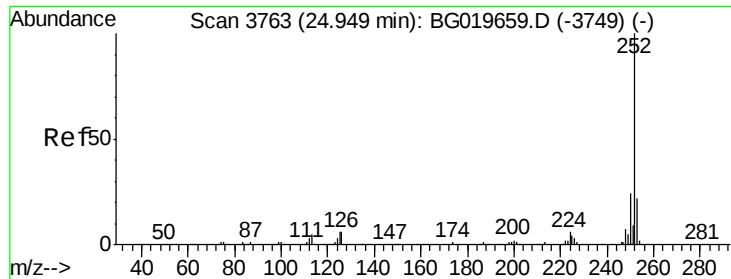


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#91

Benzo(a)pyrene

Concen: 15.49 ng/ul

RT: 24.95 min Scan# 3764

Delta R.T. 0.00 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :

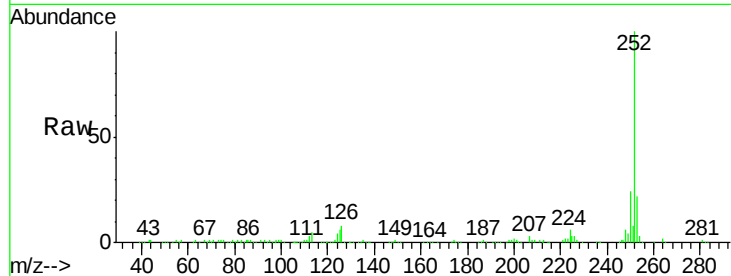
Tot Ion:252 Resp: 241250

Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

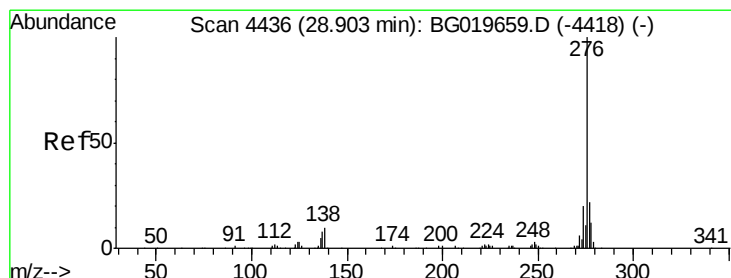
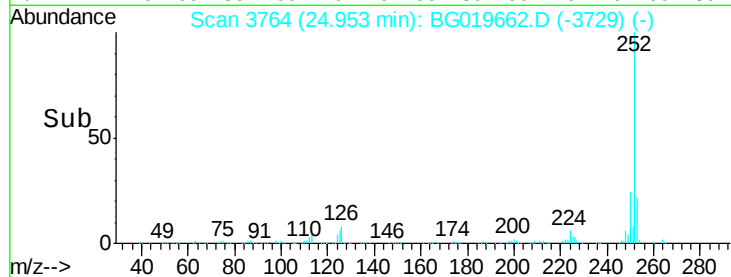
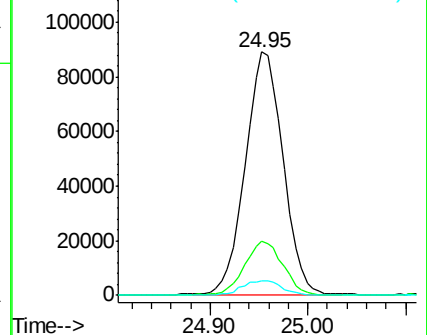
125 5.9 5.4 8.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 17.54 ng/ul

RT: 28.91 min Scan# 4438

Delta R.T. 0.01 min

Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

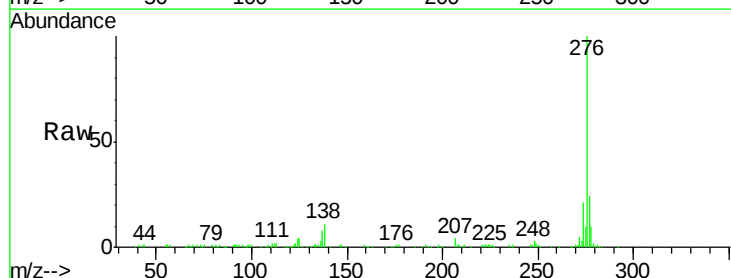
Tgt Ion:276 Resp: 305777

Ion Ratio Lower Upper

276 100

138 11.2 9.9 14.9

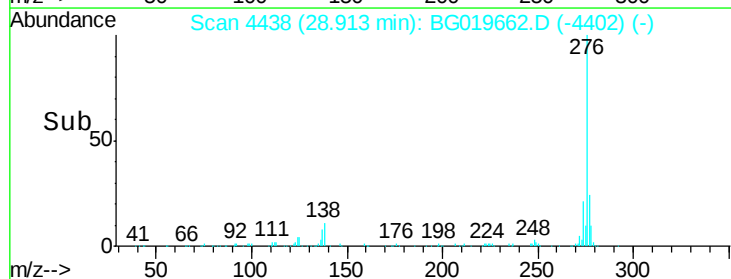
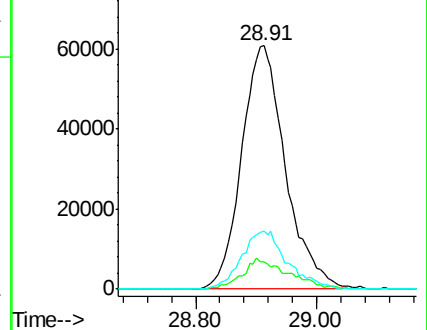
277 23.9 21.3 31.9

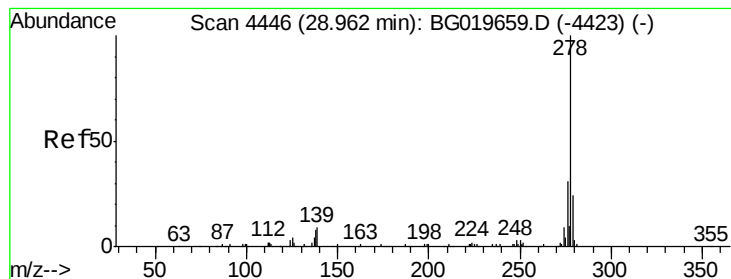


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 6.76 ng/ul

RT: 28.97 min Scan# 4447

Delta R.T. 0.00 min

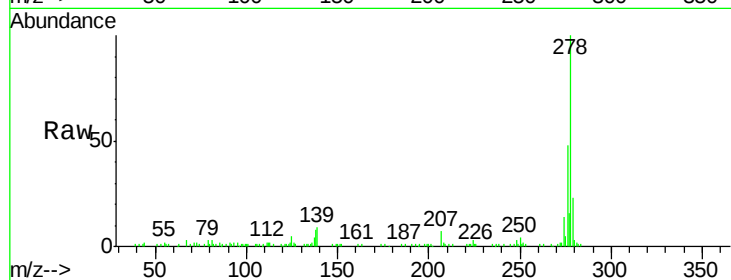
Lab File: BG019662.D

Acq: 17 Nov 2015 16:11

Instrument :

BNA\_G

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 278   | Resp: | 96918 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 9.0   | 5.9   | 8.9#  |
| 279       | 22.5  | 18.2  | 27.2  |

