

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\  
 Data File : BG019663.D  
 Acq On : 17 Nov 2015 17:11  
 Operator : UM/NP  
 Sample : G4323-16  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4HX8

Quant Time: Nov 18 00:40:03 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  | 18231    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.98 | 136  | 82497    | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.78 | 164  | 70831    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.52 | 188  | 204618   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.79 | 240  | 261814   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.11 | 264  | 254080   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.44  | 96  | 1760   | 4.12  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.29  | 99  | 54656  | 29.27 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.46  | 67  | 37249  | 30.44 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.67  | 132 | 33887  | 28.29 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 44239  | 28.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 19412  | 28.66 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 22106  | 29.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 45190  | 27.42 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.11 | 131 | 54107  | 34.58 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.18 | 166 | 202296 | 31.58 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.48 | 160 | 208396 | 30.01 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.97 | 143 | 34284  | 33.97 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.77 | 176 | 184348 | 32.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 36267  | 27.44 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.62 | 188 | 341094 | 34.33 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.90 | 212 | 416039 | 34.88 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.88 | 264 | 475818 | 35.87 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |       | Ovalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 4) Benzaldehyde                | 7.28  | 77  | 56391  | 41.43 | ng/ul 98  |
| 6) Phenol                      | 7.32  | 94  | 2990   | 1.48  | ng/ul# 90 |
| 10) 2-Chlorophenol             | 7.70  | 128 | 3891   | 3.32  | ng/ul 90  |
| 15) N-Nitroso-di-n-propylamine | 8.85  | 70  | 1741   | 1.01  | ng/ul# 1  |
| 23) 2-Nitrophenol              | 10.08 | 139 | 29586  | 35.86 | ng/ul 95  |
| 28) Naphthalene                | 11.03 | 128 | 32870  | 7.38  | ng/ul# 95 |
| 30) 4-Chloroaniline            | 11.03 | 127 | 4436   | 2.73  | ng/ul# 36 |
| 31) Hexachlorobutadiene        | 11.31 | 225 | 24830  | 17.57 | ng/ul 93  |
| 32) Caprolactam                | 11.92 | 113 | 2050   | 3.21  | ng/ul 89  |
| 33) 4-Chloro-3-methylphenol    | 12.25 | 107 | 21387  | 9.77  | ng/ul 95  |
| 35) 1-Methylnaphthalene        | 12.85 | 142 | 48540  | 13.71 | ng/ul 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 19549  | 6.88  | ng/ul# 95 |
| 39) 2,4,6-Trichlorophenol      | 13.22 | 196 | 24310  | 14.04 | ng/ul 94  |
| 40) 2,4,5-Trichlorophenol      | 13.22 | 196 | 23168  | 12.79 | ng/ul 96  |
| 41) 1,1'-Biphenyl              | 13.62 | 154 | 116580 | 22.13 | ng/ul 98  |
| 45) Dimethylphthalate          | 14.23 | 163 | 214456 | 33.76 | ng/ul 99  |
| 46) 2,6-Dinitrotoluene         | 14.35 | 165 | 21302  | 16.76 | ng/ul 99  |
| 53) 4-Nitrophenol              | 14.99 | 109 | 53883  | 43.80 | ng/ul 96  |
| 54) Dibenzofuran               | 15.18 | 168 | 68587  | 9.86  | ng/ul 92  |
| 64) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 27914  | 19.89 | ng/ul# 82 |
| 67) Hexachlorobenzene          | 16.83 | 284 | 22051  | 8.50  | ng/ul# 92 |
| 69) Pentachlorophenol          | 17.18 | 266 | 26338  | 18.14 | ng/ul 99  |
| 70) Phenanthrene               | 17.57 | 178 | 278479 | 25.43 | ng/ul 97  |

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Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Nov 18 00:40:03 2015  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 18 00:33:53 2015  
Response via : Initial Calibration

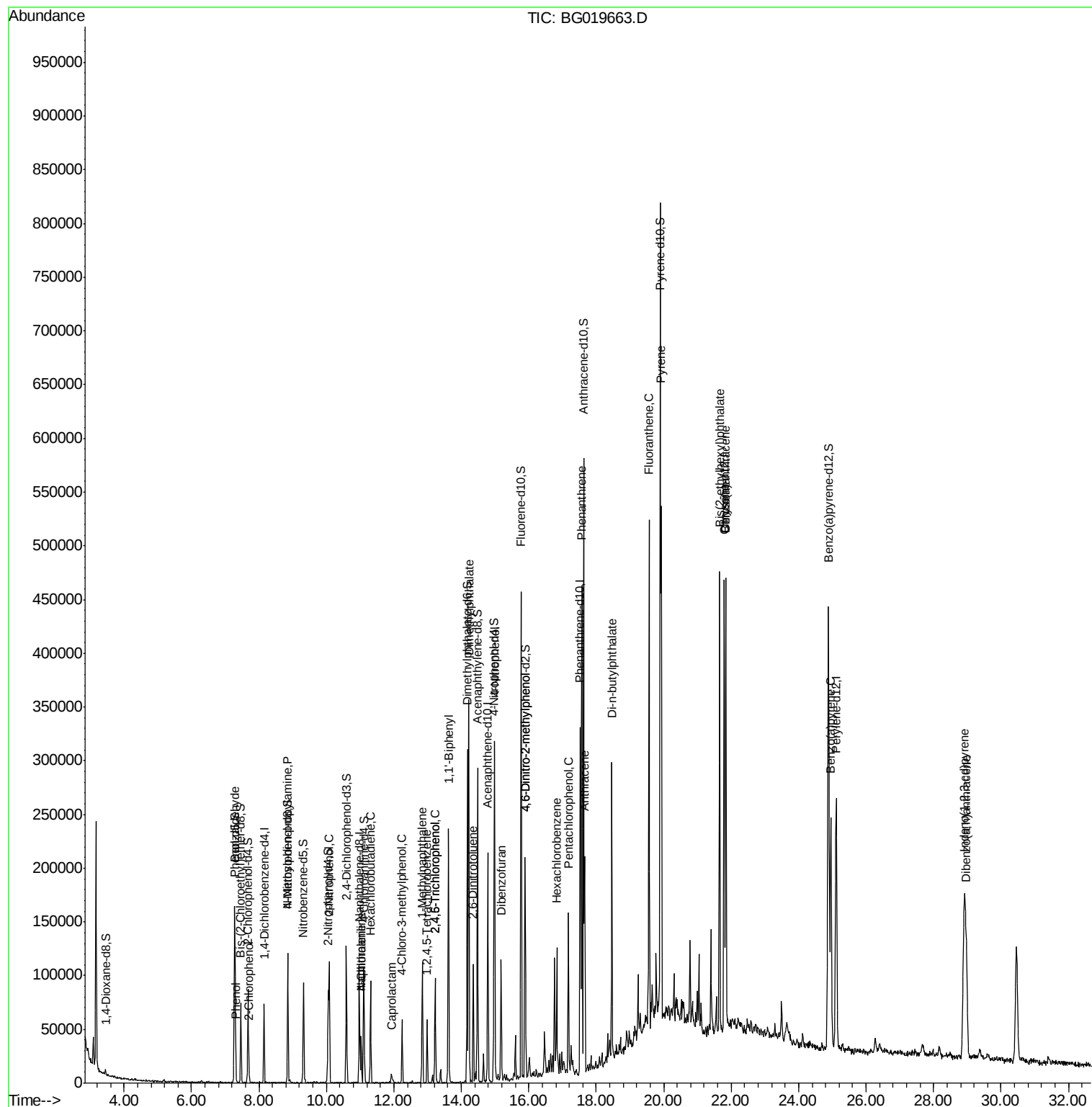
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 72) Anthracene                 | 17.66 | 178  | 119310   | 10.80 | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 18.46 | 149  | 192539   | 16.74 | ng/ul  | 97       |
| 77) Fluoranthene               | 19.57 | 202  | 304843   | 21.84 | ng/ul  | 98       |
| 80) Pyrene                     | 19.93 | 202  | 325035   | 21.26 | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.84 | 228  | 280131   | 17.65 | ng/ul  | 95       |
| 84) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 171598   | 23.27 | ng/ul# | 97       |
| 85) Chrysene                   | 21.84 | 228  | 279803   | 18.73 | ng/ul  | 98       |
| 91) Benzo(a)pyrene             | 24.95 | 252  | 245066   | 16.26 | ng/ul  | 98       |
| 92) Indeno(1,2,3-cd)pyrene     | 28.91 | 276  | 314236   | 18.63 | ng/ul  | 92       |
| 93) Dibenzo(a,h)anthracene     | 28.97 | 278  | 160452   | 11.57 | ng/ul# | 97       |

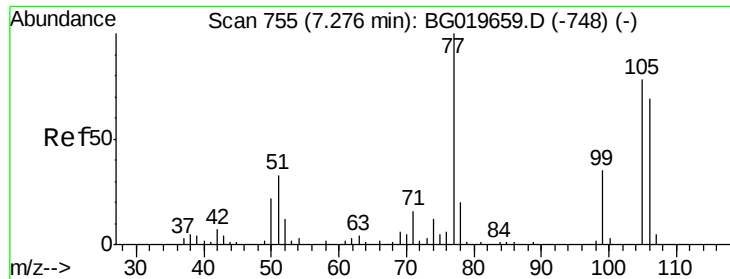
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 41.43 ng/ul

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

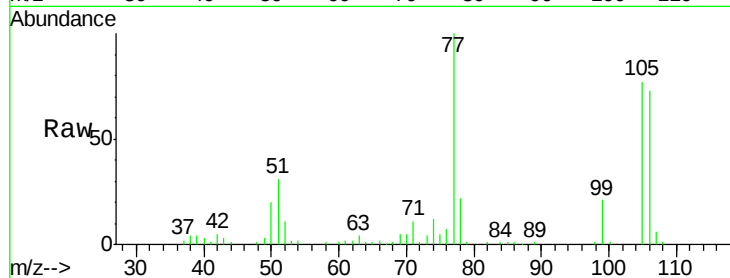
Tot Ion: 77 Resp: 56391

Ion Ratio Lower Upper

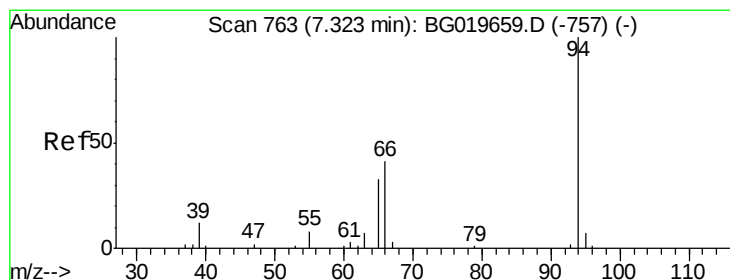
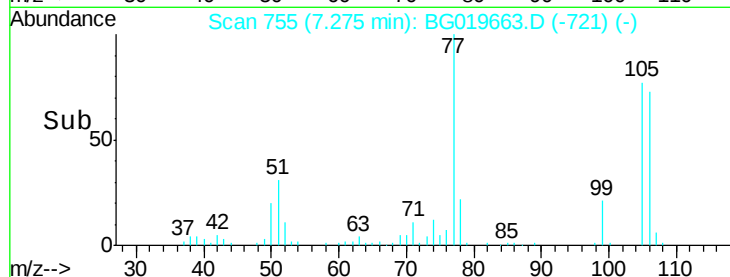
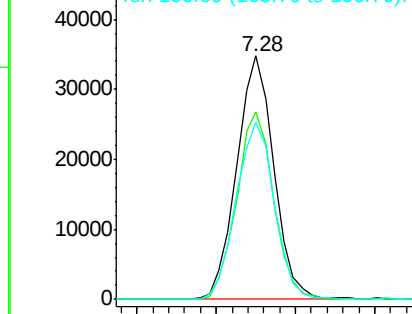
77 100

105 76.7 58.6 88.0

106 72.8 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: 1.48 ng/ul

RT: 7.32 min Scan# 763

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

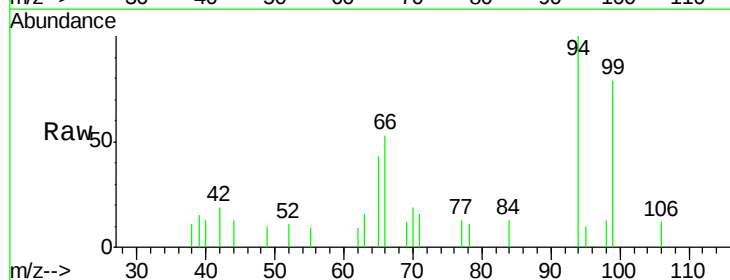
Tgt Ion: 94 Resp: 2990

Ion Ratio Lower Upper

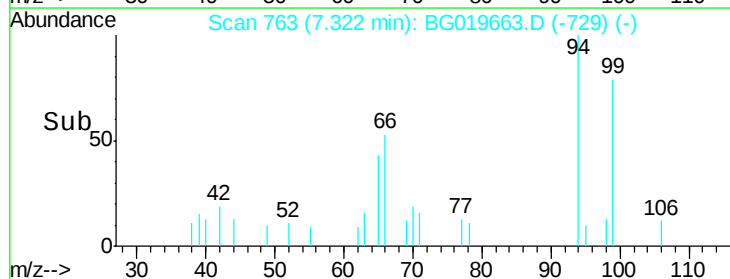
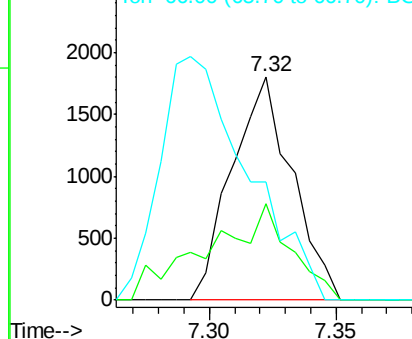
94 100

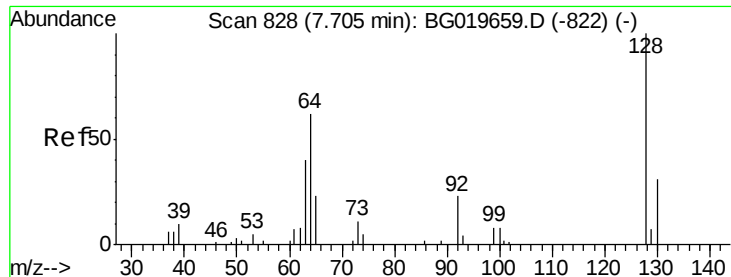
65 43.2 27.4 41.0#

66 53.0 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

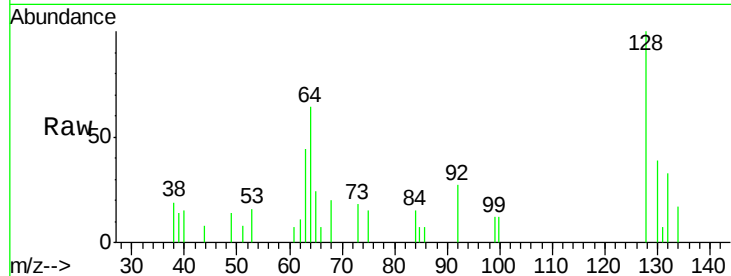




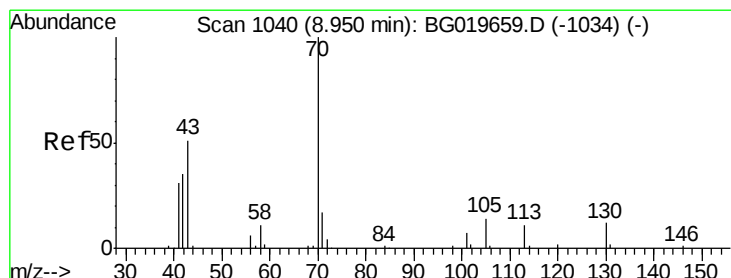
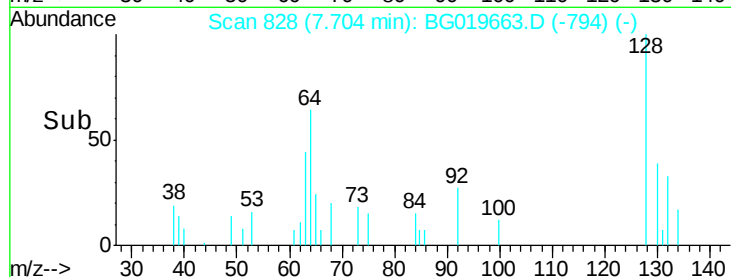
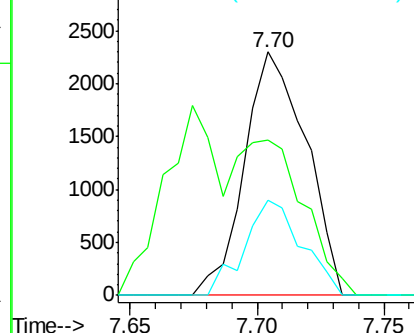
#10  
2-Chlorophenol  
Concen: 3.32 ng/ul  
RT: 7.70 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

Tot Ion:128 Resp: 3891  
Ion Ratio Lower Upper  
128 100  
64 63.9 59.4 89.0  
130 39.3 28.9 43.3

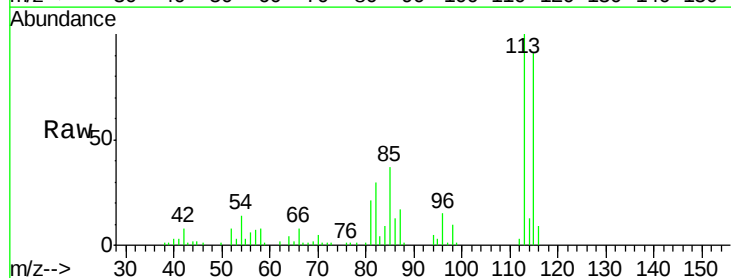


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 130.00 (129.70 to 130.70): E

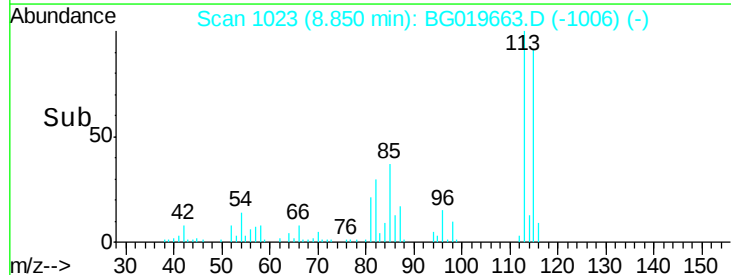
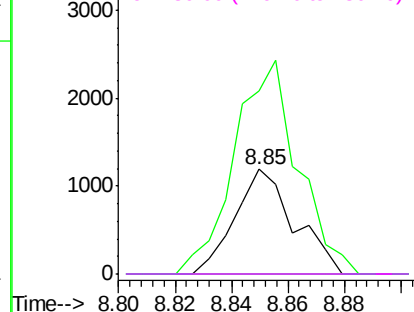


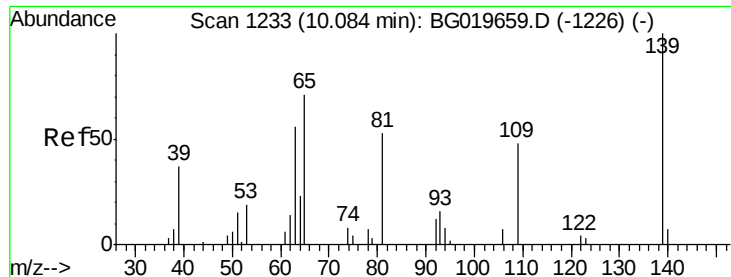
#15  
N-Nitroso-di-n-propylamine  
Concen: 1.01 ng/ul  
RT: 8.85 min Scan# 1023  
Delta R.T. -0.10 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion: 70 Resp: 1741  
Ion Ratio Lower Upper  
70 100  
42 175.1 28.4 42.6#  
101 0.0 5.3 7.9#  
130 0.0 10.9 16.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

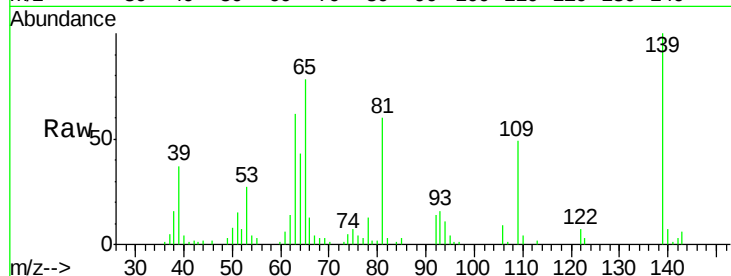




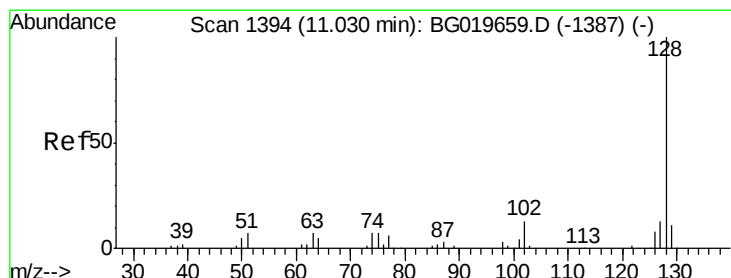
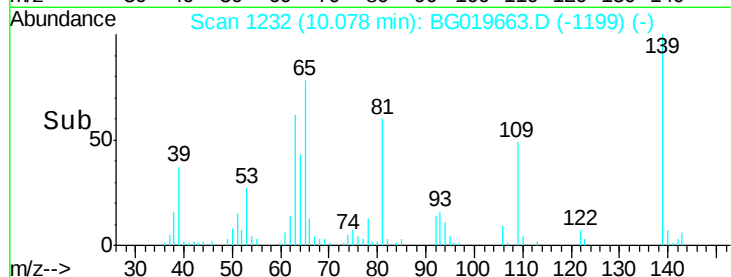
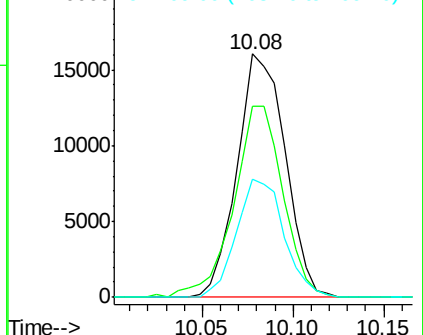
#23  
2-Nitrophenol  
Concen: 35.86 ng/ul  
RT: 10.08 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Instrument :  
BNA\_G  
ClientSampled :  
A4HX8

Tot Ion:139 Resp: 29586  
Ion Ratio Lower Upper  
139 100  
65 78.4 58.2 87.2  
109 48.5 40.5 60.7

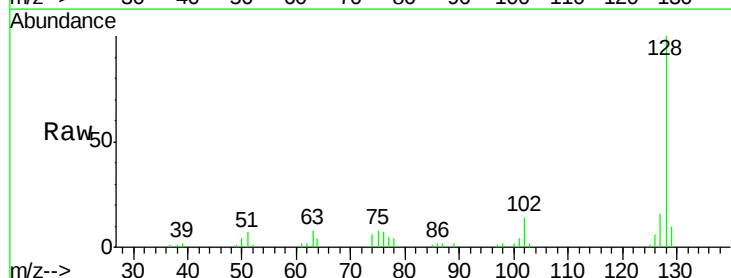


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 109.00 (108.70 to 109.70): E

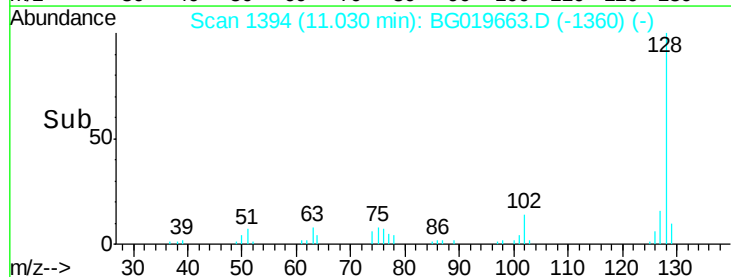
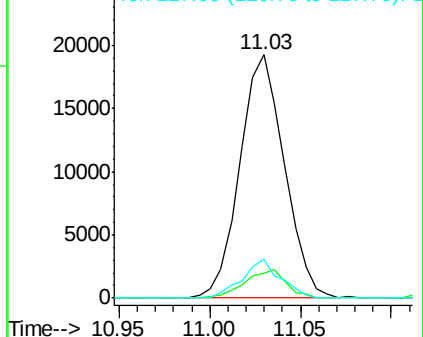


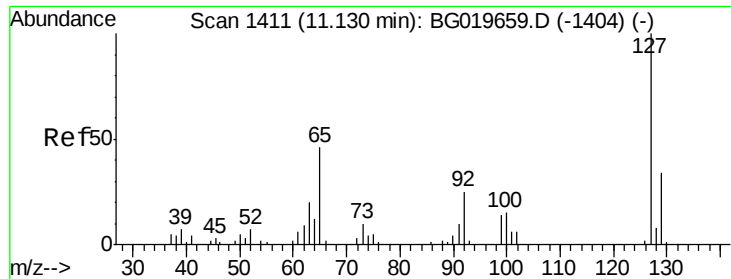
#28  
Naphthalene  
Concen: 7.38 ng/ul  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:128 Resp: 32870  
Ion Ratio Lower Upper  
128 100  
129 10.2 8.1 12.1  
127 15.7 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

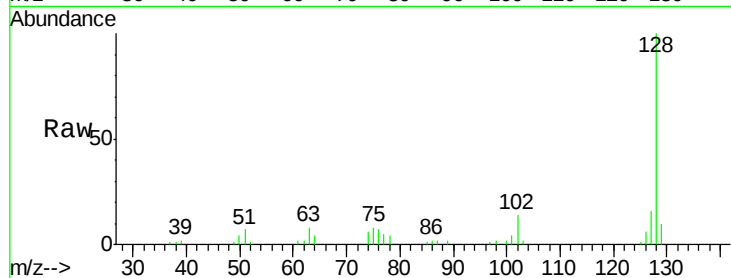




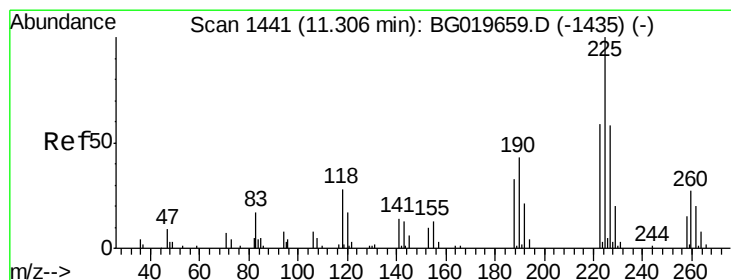
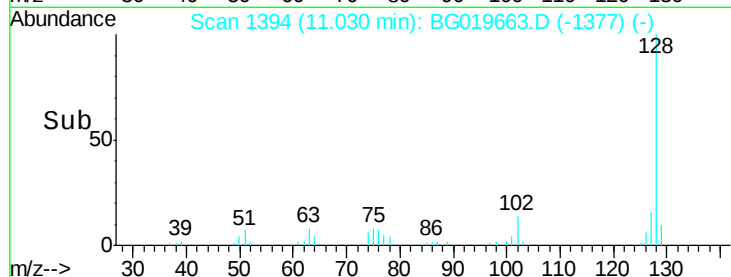
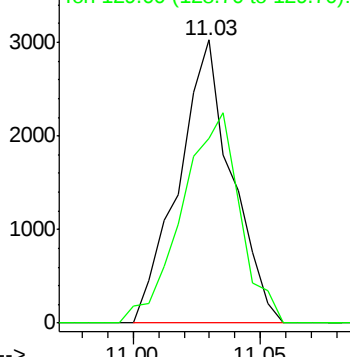
#30  
4-Chloroaniline  
Concen: 2.73 ng/ul  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.10 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

Tot Ion:127 Resp: 4436  
Ion Ratio Lower Upper  
127 100  
129 65.2 24.2 36.4#

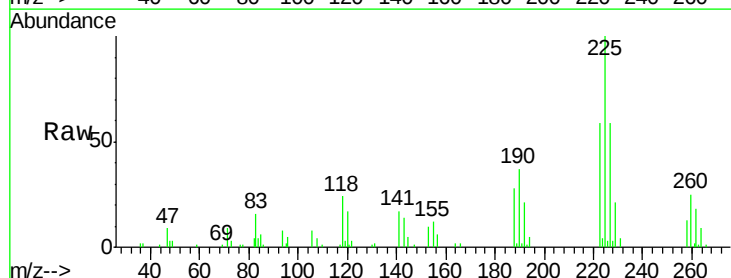


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E

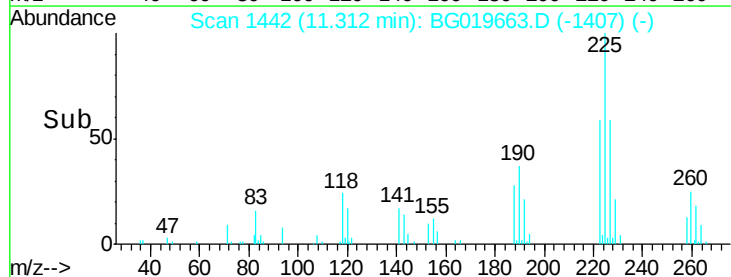
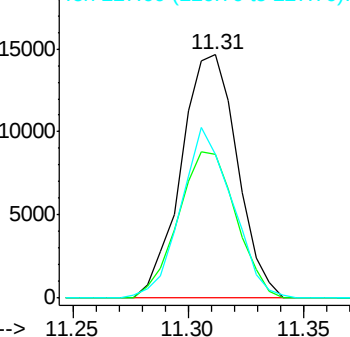


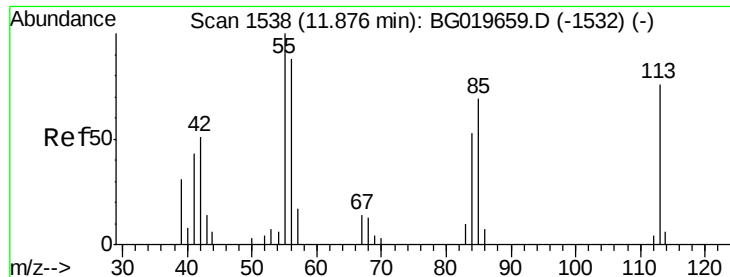
#31  
Hexachlorobutadiene  
Concen: 17.57 ng/ul  
RT: 11.31 min Scan# 1442  
Delta R.T. 0.01 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:225 Resp: 24830  
Ion Ratio Lower Upper  
225 100  
223 57.2 52.4 78.6  
227 60.7 51.0 76.6



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#32

Caprolactam

Concen: 3.21 ng/ul

RT: 11.92 min Scan# 1546

Delta R.T. 0.05 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

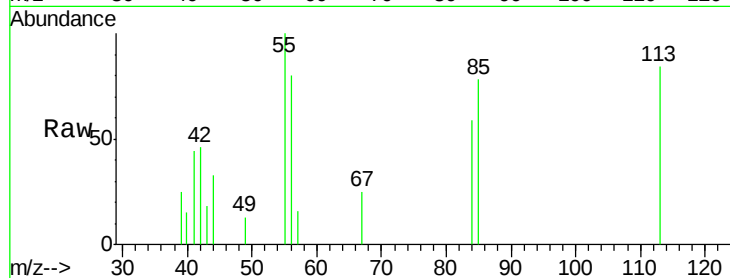
Tot Ion:113 Resp: 2050

Ion Ratio Lower Upper

113 100

55 118.8 111.4 167.0

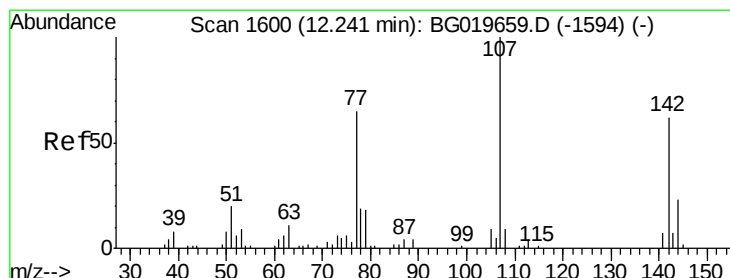
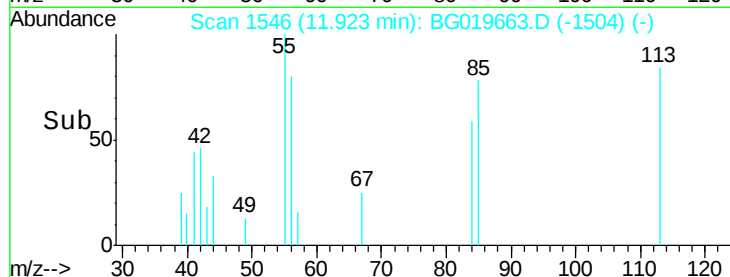
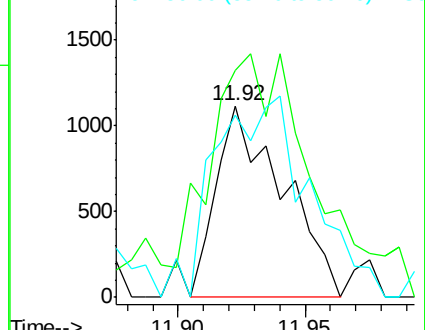
56 94.9 79.0 118.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGO

Ion 56.00 (55.70 to 56.70): BGO



#33

4-Chloro-3-methylphenol

Concen: 9.77 ng/ul

RT: 12.25 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

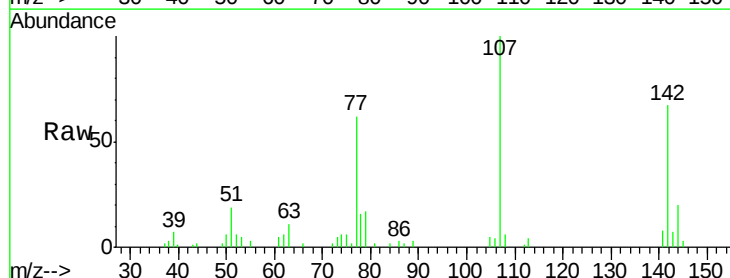
Tgt Ion:107 Resp: 21387

Ion Ratio Lower Upper

107 100

144 20.2 18.2 27.2

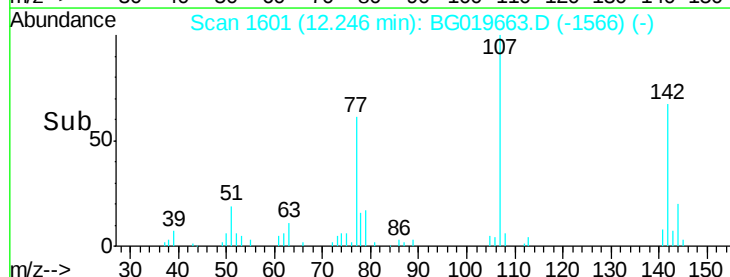
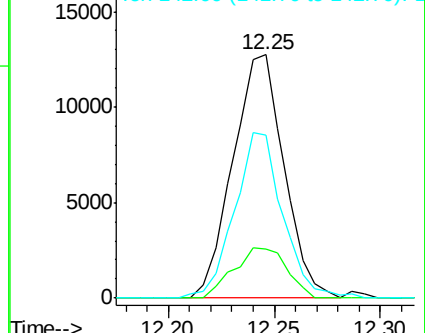
142 66.8 50.1 75.1

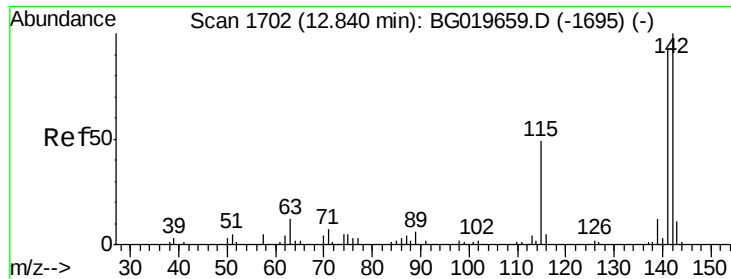


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

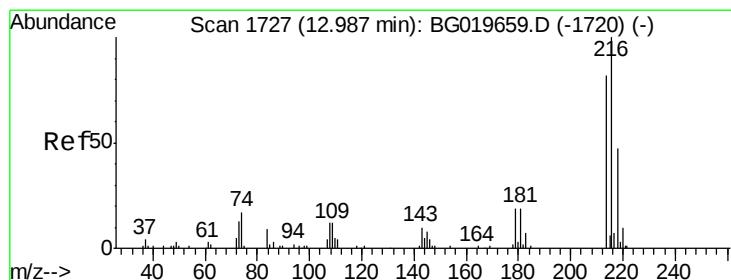
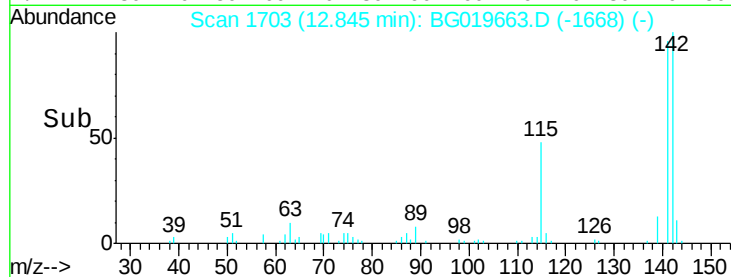
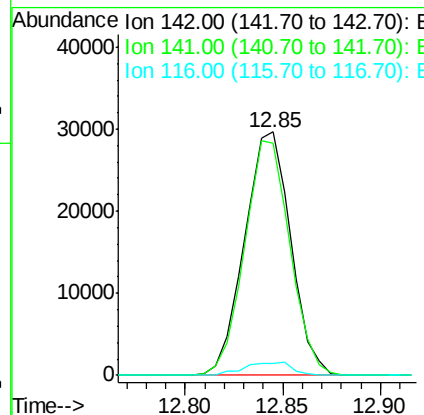
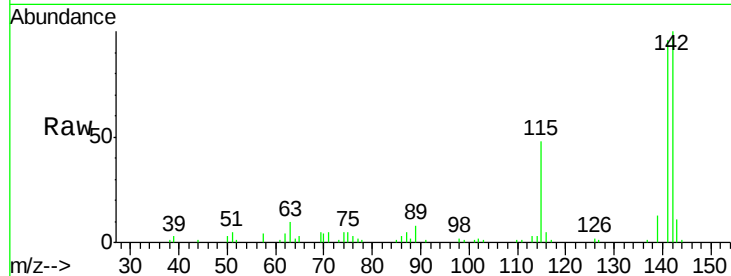




#35  
1-Methylnaphthalene  
Concen: 13.71 ng/ul  
RT: 12.85 min Scan# 1703  
Delta R.T. 0.01 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

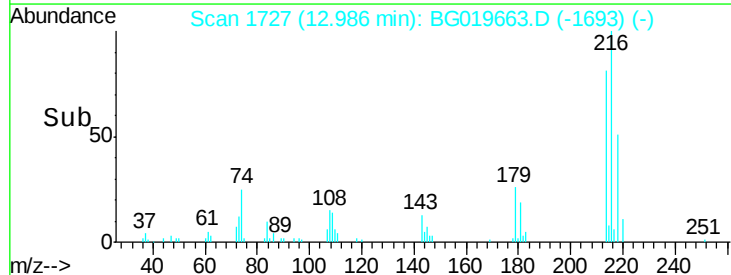
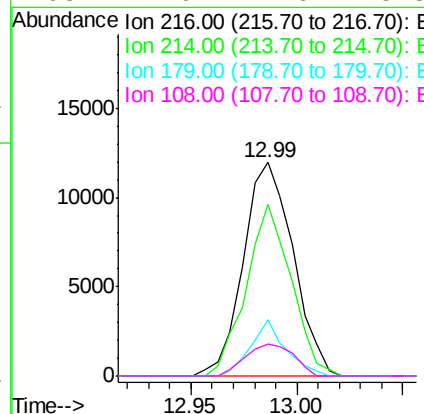
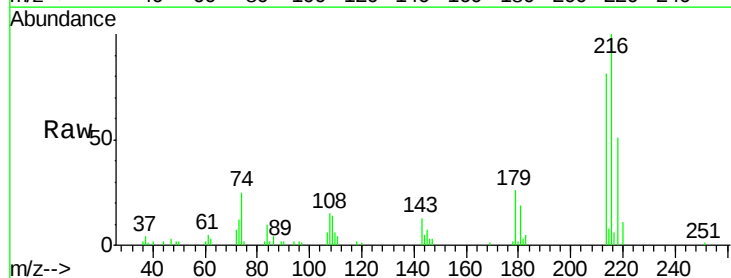
Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

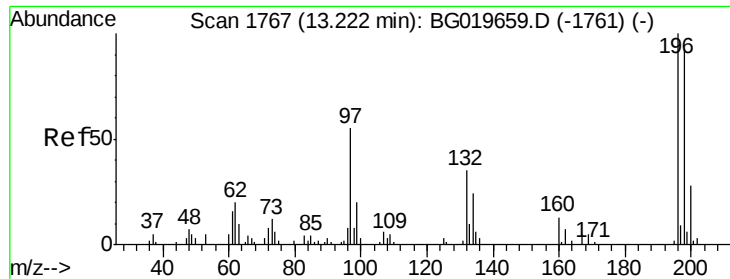
Tot Ion:142 Resp: 48540  
Ion Ratio Lower Upper  
142 100  
141 95.6 76.6 114.8  
116 4.8 4.1 6.1



#37  
1,2,4,5-Tetrachlorobenzene  
Concen: 6.88 ng/ul  
RT: 12.99 min Scan# 1727  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:216 Resp: 19549  
Ion Ratio Lower Upper  
216 100  
214 80.6 62.9 94.3  
179 28.3 16.9 25.3#  
108 14.9 12.6 18.8

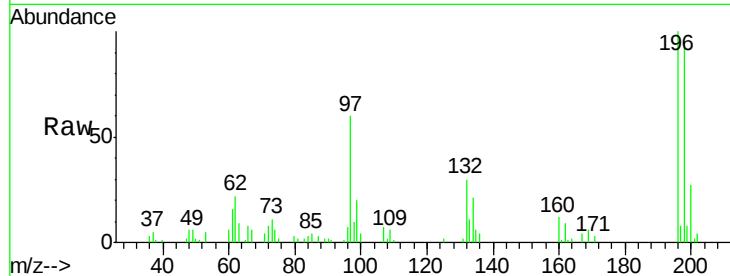




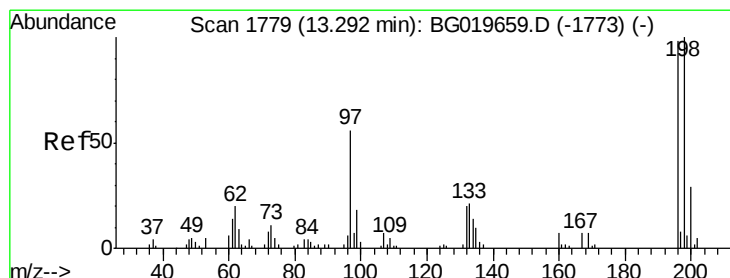
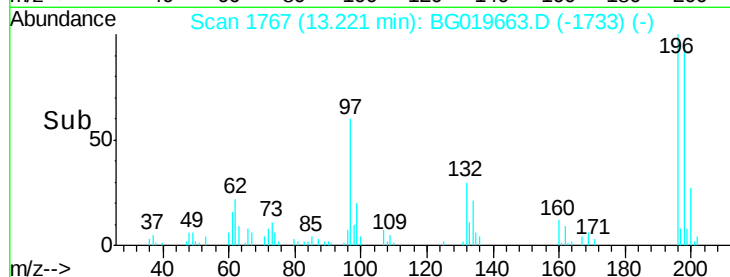
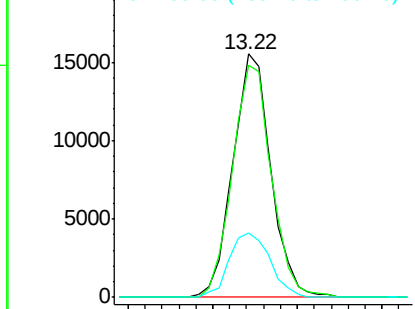
#39  
 2,4,6-Trichlorophenol  
 Concen: 14.04 ng/ul  
 RT: 13.22 min Scan# 1767  
 Delta R.T. -0.00 min  
 Lab File: BG019663.D  
 Acq: 17 Nov 2015 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4HX8

Tot Ion:196 Resp: 24310  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 73.3 109.9  
 200 26.5 26.1 39.1

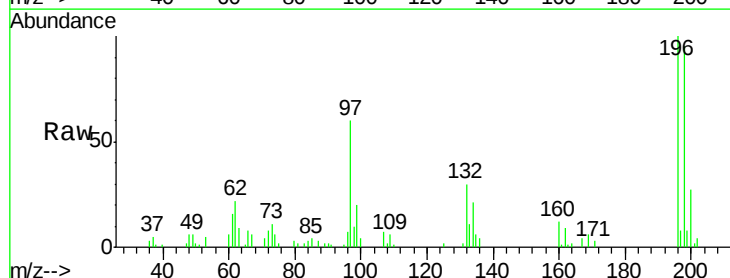


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

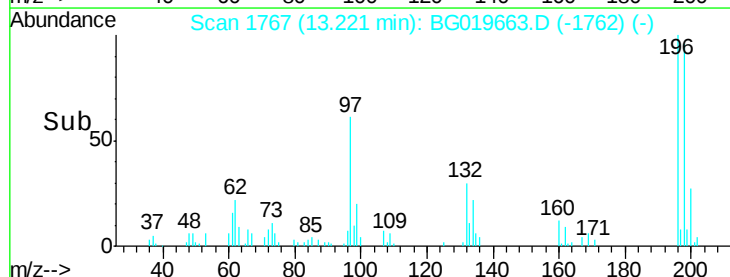
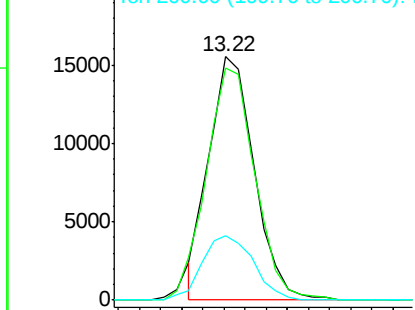


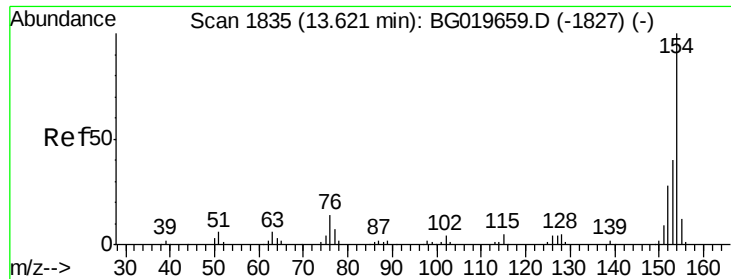
#40  
 2,4,5-Trichlorophenol  
 Concen: 12.79 ng/ul  
 RT: 13.22 min Scan# 1767  
 Delta R.T. -0.07 min  
 Lab File: BG019663.D  
 Acq: 17 Nov 2015 17:11

Tgt Ion:196 Resp: 23168  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 79.0 118.4  
 200 26.5 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

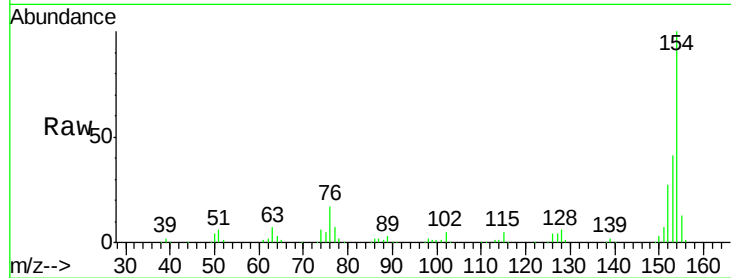




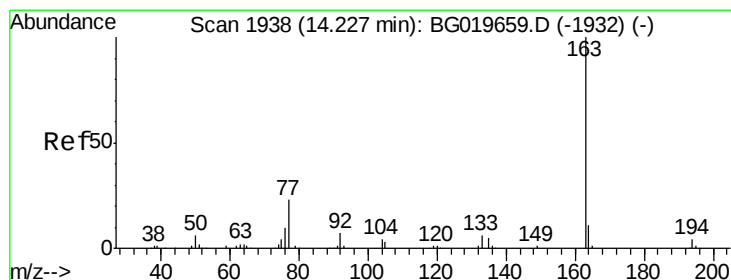
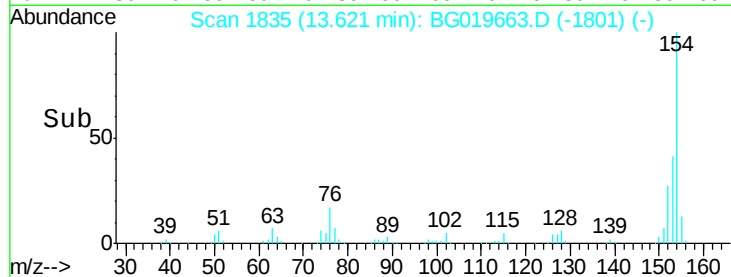
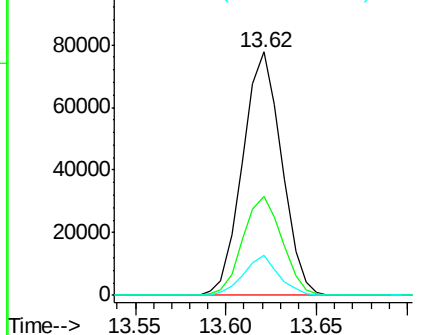
#41  
1,1'-Biphenyl  
Concen: 22.13 ng/ul  
RT: 13.62 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Instrument :  
BNA\_G  
ClientSampled :  
A4HX8

Tot Ion:154 Resp: 116580  
Ion Ratio Lower Upper  
154 100  
153 40.8 33.4 50.0  
76 16.6 12.1 18.1

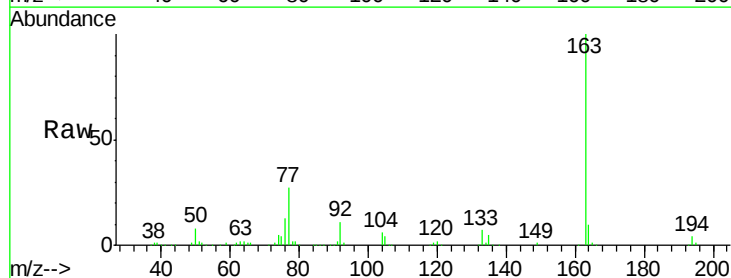


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): B

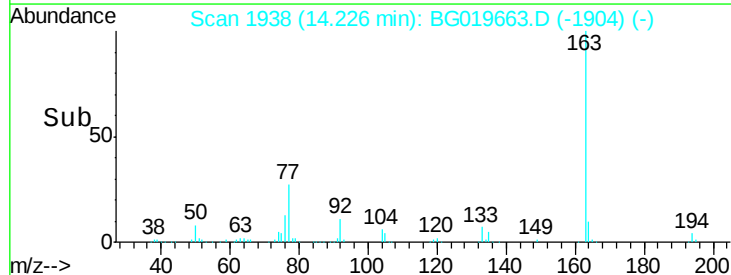
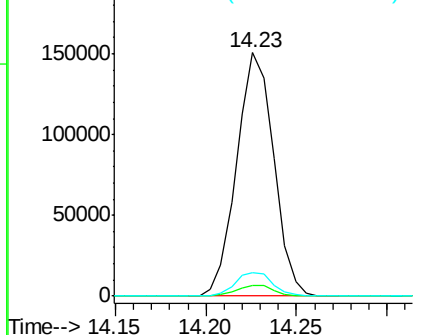


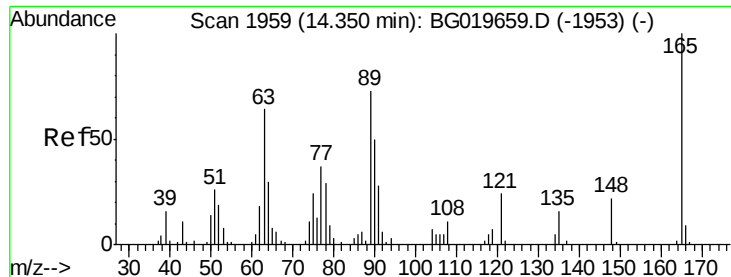
#45  
Dimethylphthalate  
Concen: 33.76 ng/ul  
RT: 14.23 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:163 Resp: 214456  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.5 5.3  
164 9.9 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

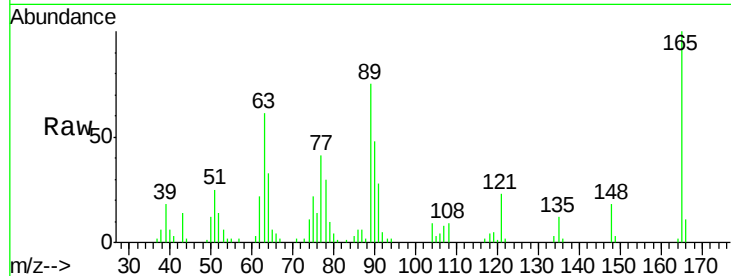




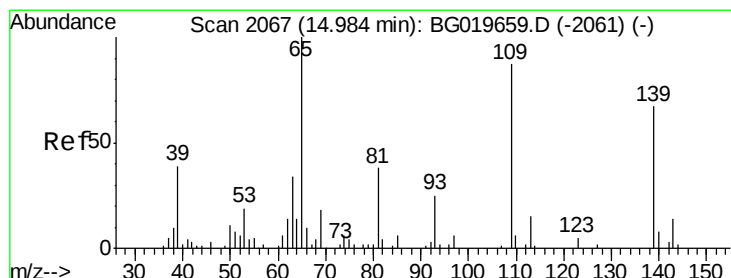
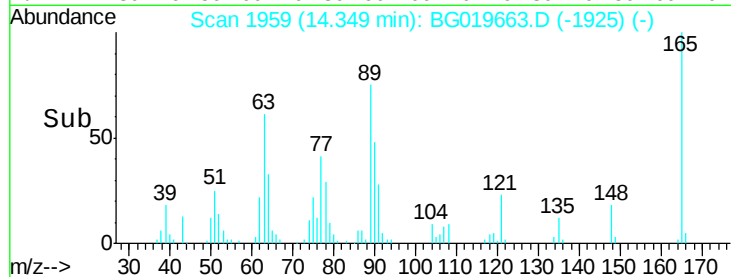
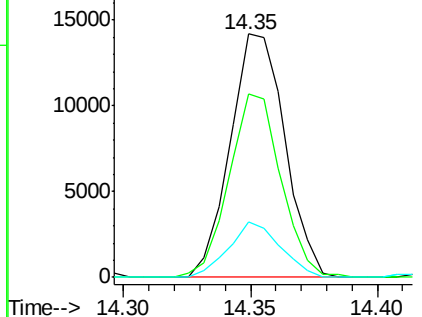
#46  
 2,6-Dinitrotoluene  
 Concen: 16.76 ng/ul  
 RT: 14.35 min Scan# 1959  
 Delta R.T. -0.00 min  
 Lab File: BG019663.D  
 Acq: 17 Nov 2015 17:11

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4HX8

Tot Ion:165 Resp: 21302  
 Ion Ratio Lower Upper  
 165 100  
 89 75.4 61.1 91.7  
 121 22.7 17.8 26.8

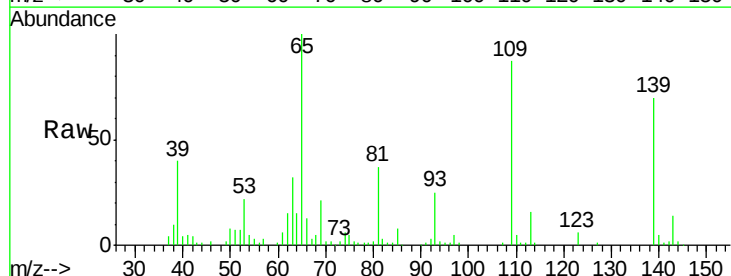


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 89.00 (88.70 to 89.70): BG  
 Ion 121.00 (120.70 to 121.70): E

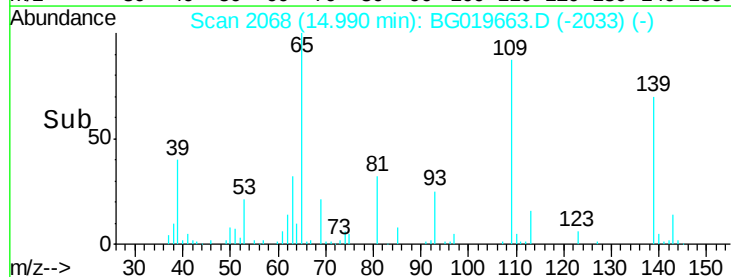
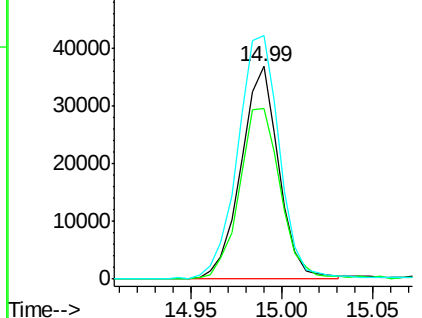


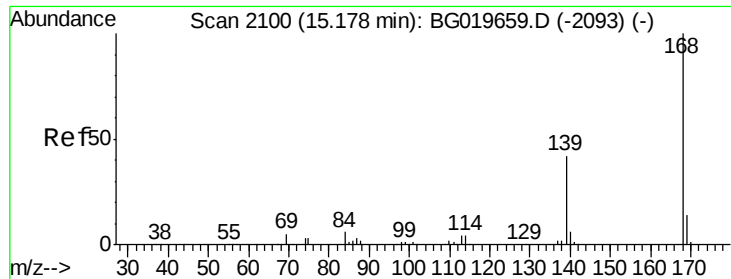
#53  
 4-Nitrophenol  
 Concen: 43.80 ng/ul  
 RT: 14.99 min Scan# 2068  
 Delta R.T. 0.01 min  
 Lab File: BG019663.D  
 Acq: 17 Nov 2015 17:11

Tgt Ion:109 Resp: 53883  
 Ion Ratio Lower Upper  
 109 100  
 139 80.3 67.8 101.6  
 65 114.6 94.5 141.7



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): BG

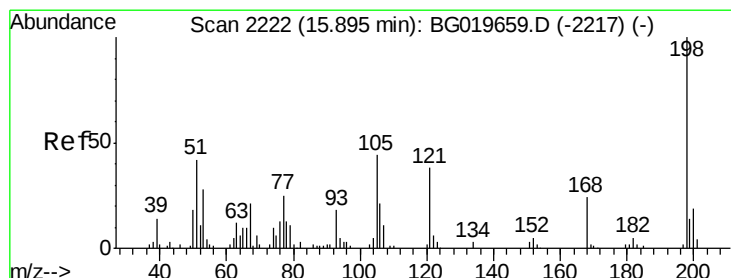
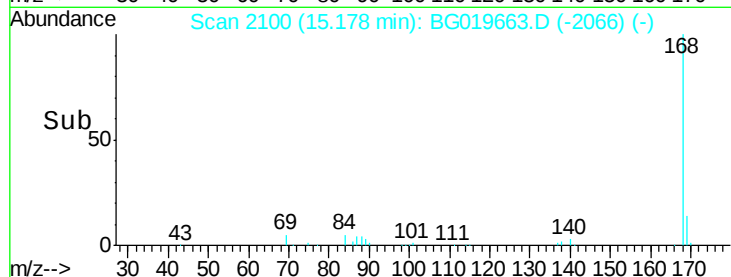
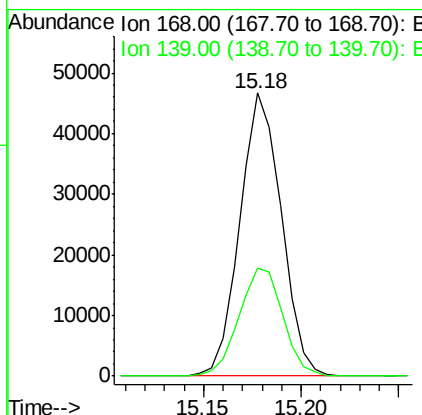
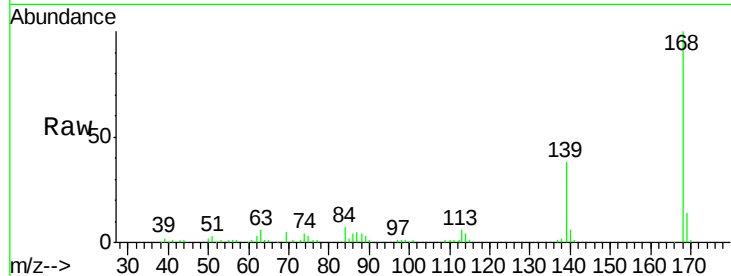




#54  
Dibenzenofuran  
Concen: 9.86 ng/ul  
RT: 15.18 min Scan# 2100  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

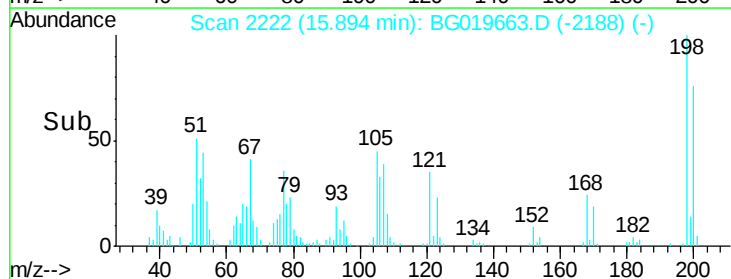
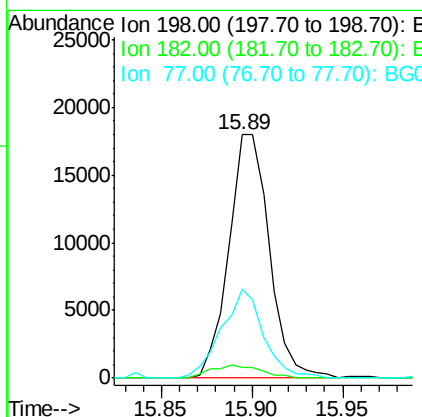
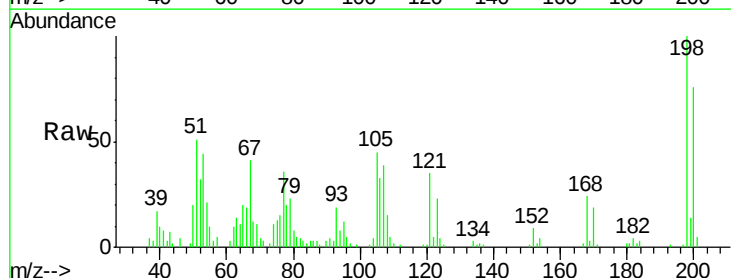
Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

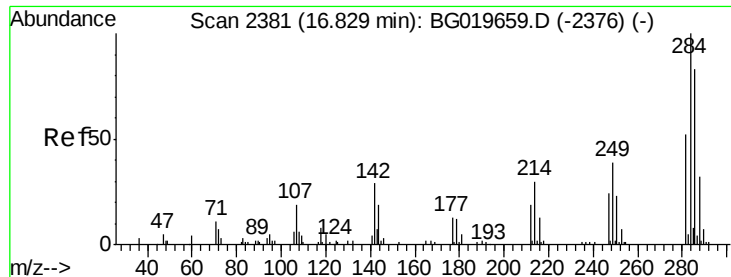
Tot Ion:168 Resp: 68587  
Ion Ratio Lower Upper  
168 100  
139 38.1 34.7 52.1



#64  
4,6-Dinitro-2-methylphenol  
Concen: 19.89 ng/ul  
RT: 15.89 min Scan# 2222  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:198 Resp: 27914  
Ion Ratio Lower Upper  
198 100  
182 4.2 3.4 5.2  
77 36.5 20.6 31.0#





#67

Hexachlorobenzene

Concen: 8.50 ng/ul

RT: 16.83 min Scan# 2381

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

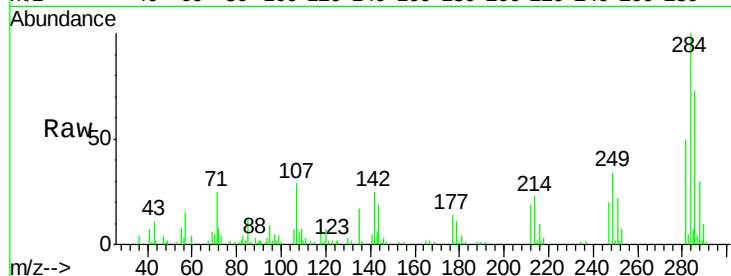
Tot Ion:284 Resp: 22051

Ion Ratio Lower Upper

284 100

142 23.6 23.6 35.4#

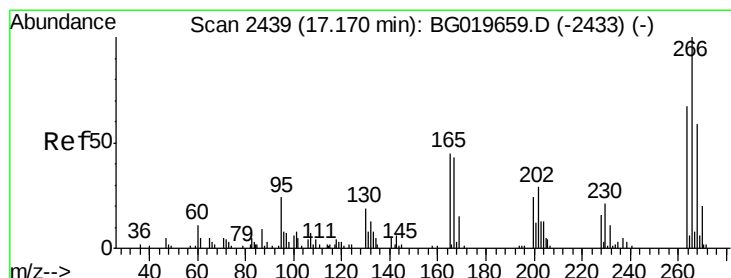
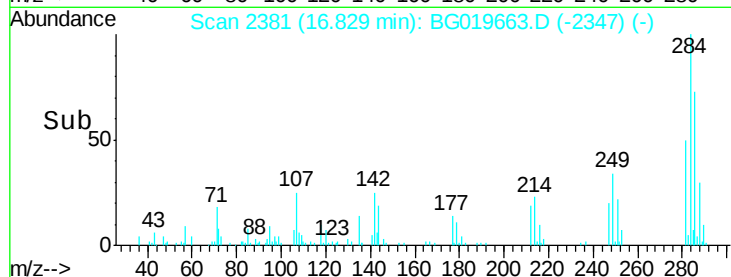
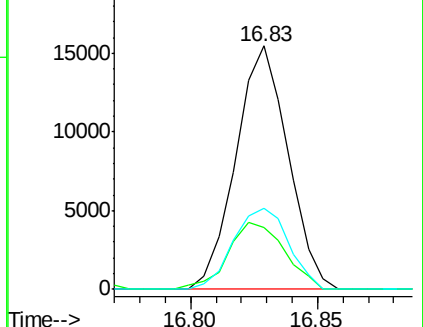
249 31.3 27.8 41.6



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: 18.14 ng/ul

RT: 17.18 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

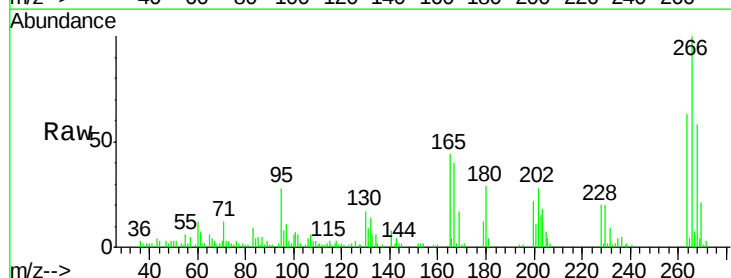
Tgt Ion:266 Resp: 26338

Ion Ratio Lower Upper

266 100

264 63.0 51.8 77.8

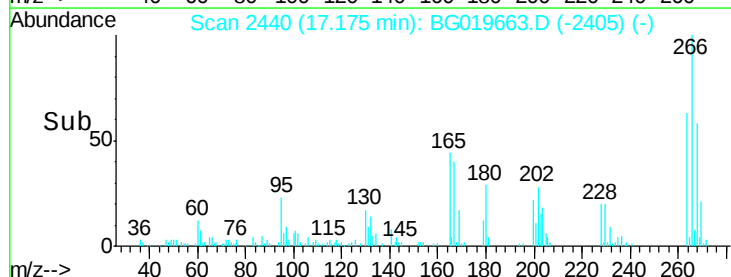
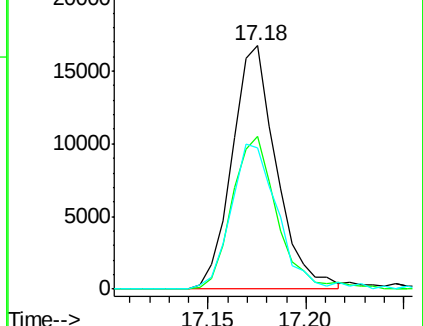
268 58.1 46.8 70.2

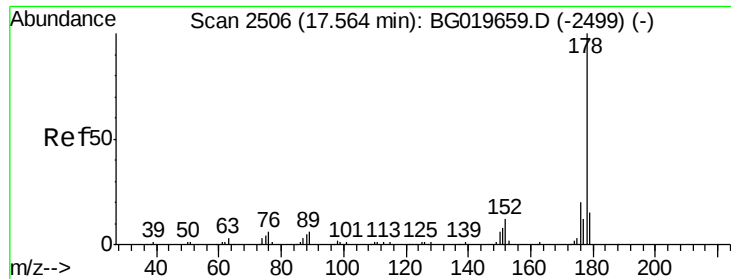


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 25.43 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

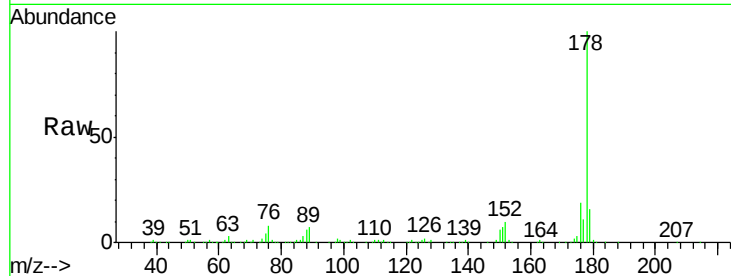
Tot Ion:178 Resp: 278479

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

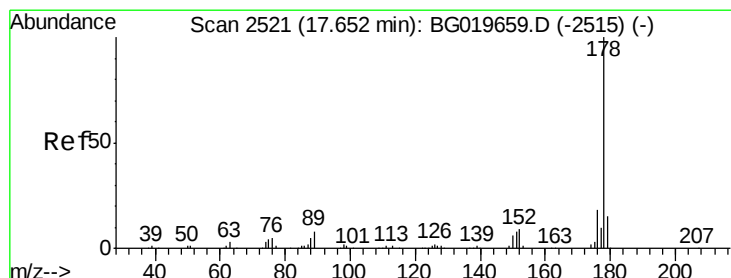
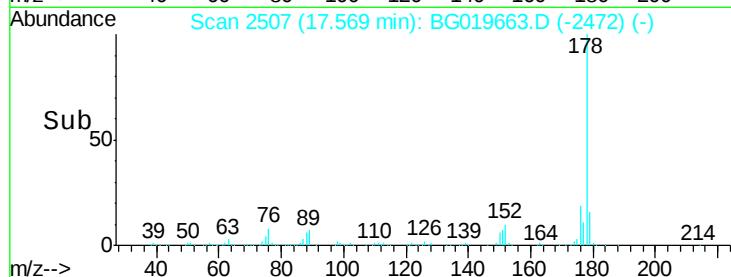
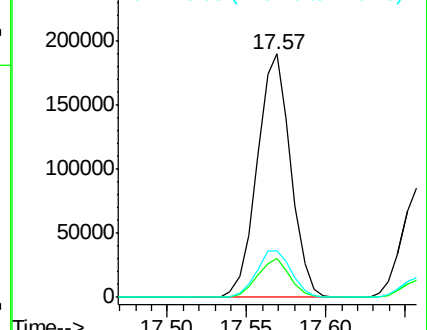
176 18.9 16.6 24.8



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: 10.80 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

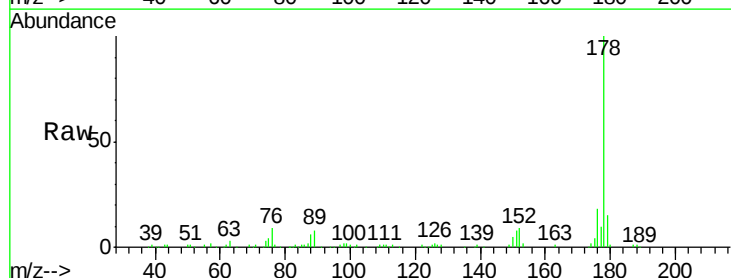
Tgt Ion:178 Resp: 119310

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

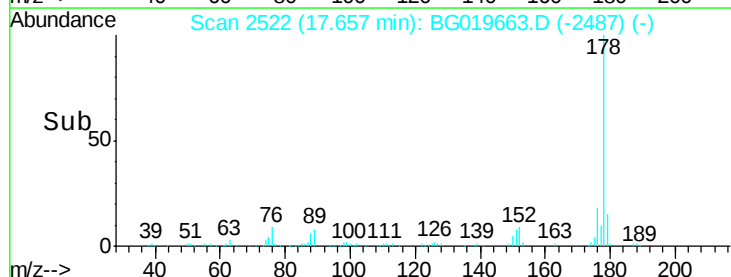
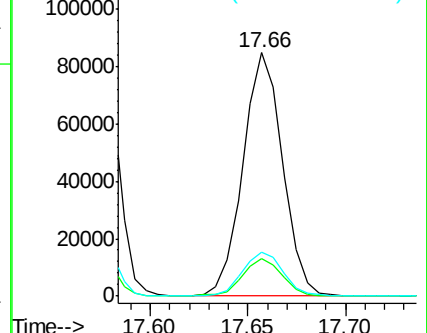
176 18.3 15.0 22.4

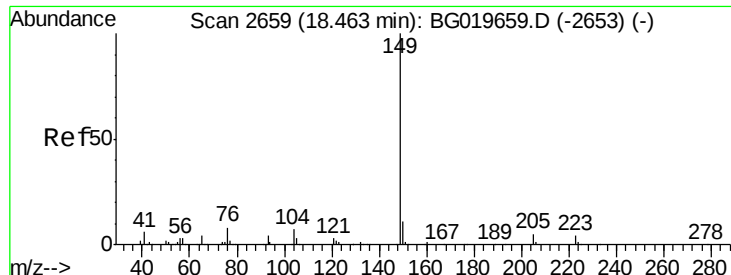


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

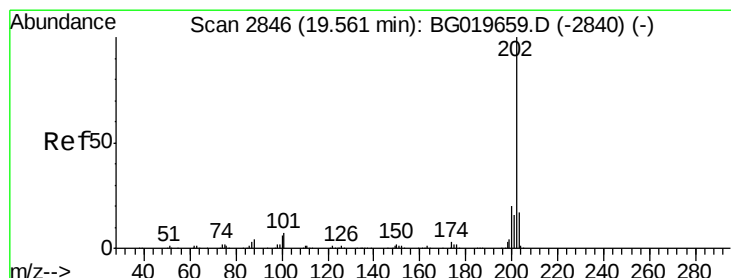
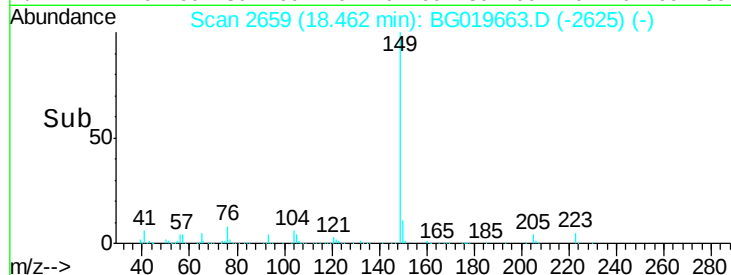
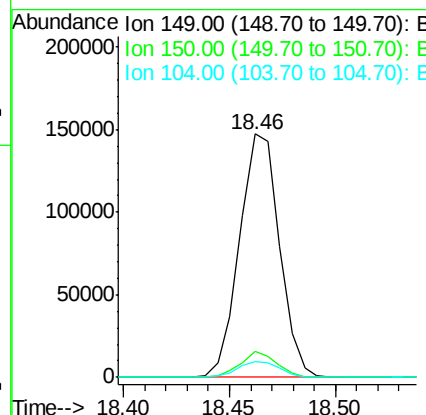
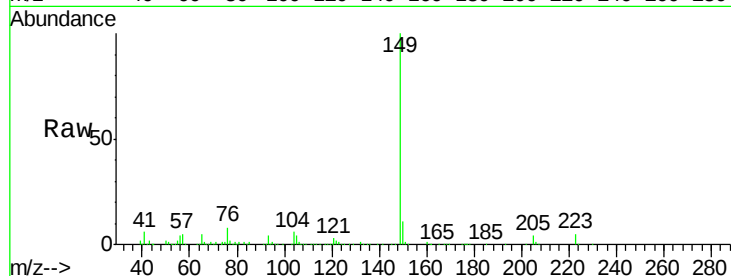




#76  
Di-n-butylphthalate  
Concen: 16.74 ng/ul  
RT: 18.46 min Scan# 2659  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

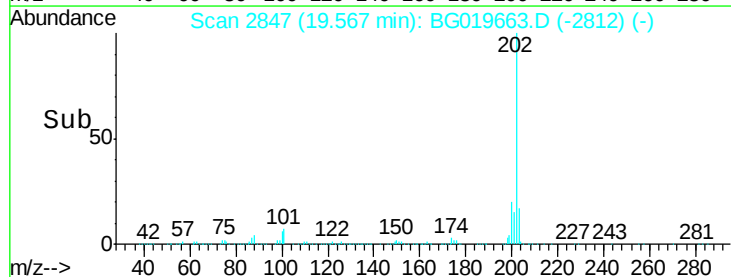
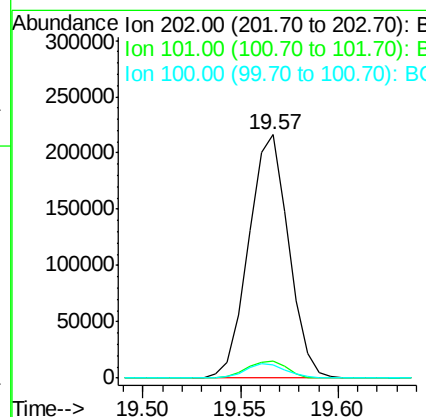
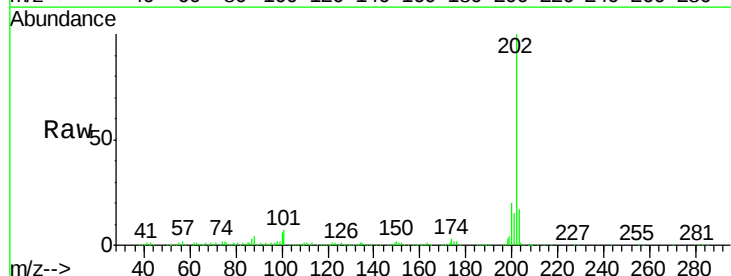
Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

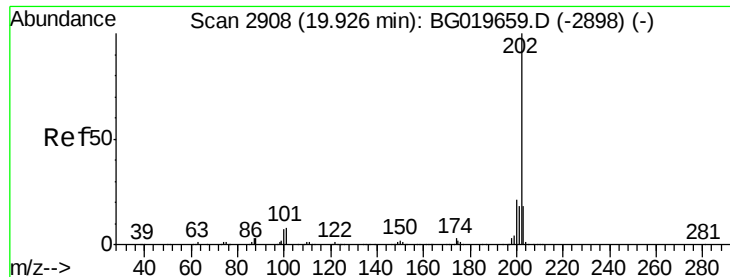
Tot Ion:149 Resp: 192539  
Ion Ratio Lower Upper  
149 100  
150 10.6 7.4 11.2  
104 6.3 5.5 8.3



#77  
Fluoranthene  
Concen: 21.84 ng/ul  
RT: 19.57 min Scan# 2847  
Delta R.T. 0.01 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

Tgt Ion:202 Resp: 304843  
Ion Ratio Lower Upper  
202 100  
101 7.0 5.2 7.8  
100 5.7 5.0 7.4

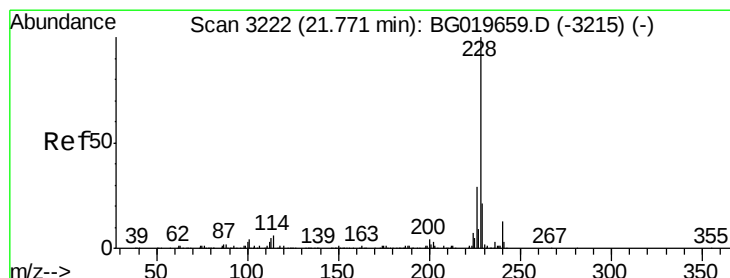
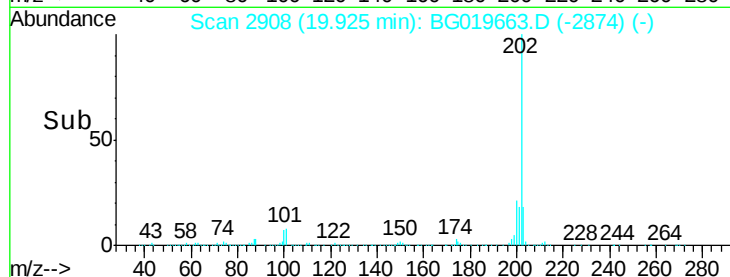
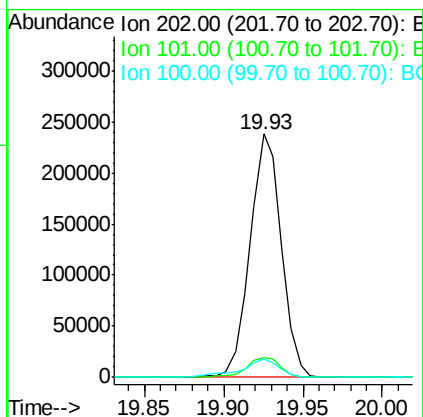
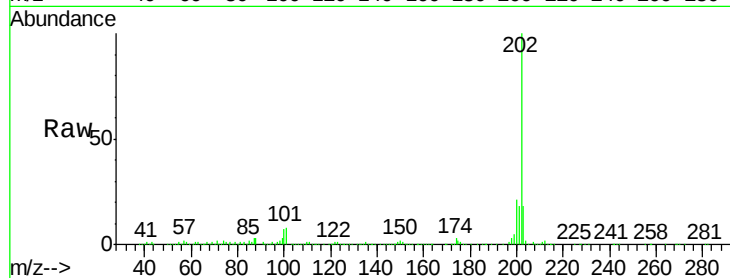




#80  
Pvrene  
Concen: 21.26 ng/ul  
RT: 19.93 min Scan# 2908  
Delta R.T. -0.00 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

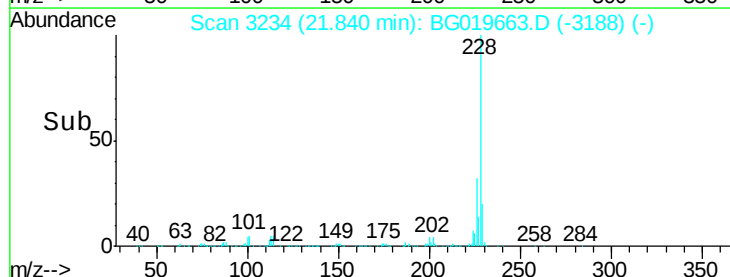
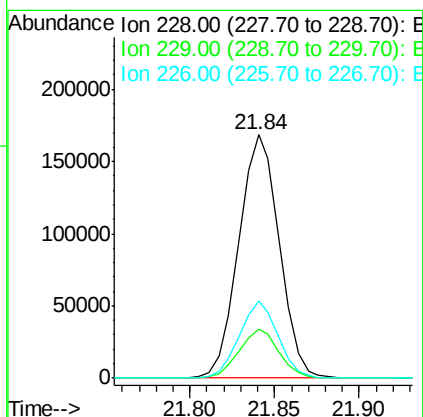
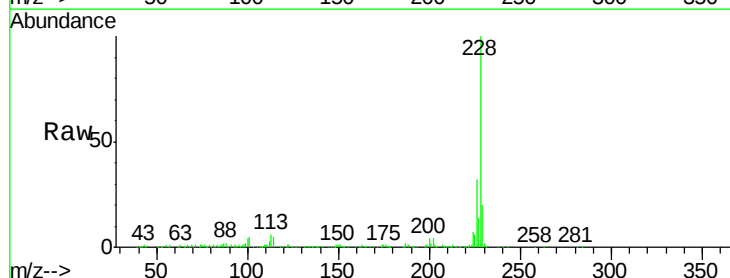
Instrument :  
BNA\_G  
ClientSampleId :  
A4HX8

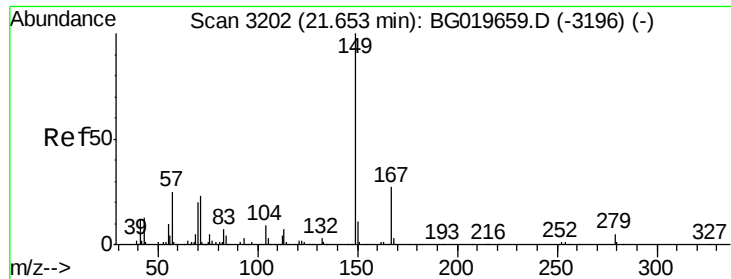
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.2   | 7.0   | 10.6  |
| 100     | 7.4   | 6.6   | 10.0  |



#83  
Benzo(a)anthracene  
Concen: 17.65 ng/ul  
RT: 21.84 min Scan# 3234  
Delta R.T. 0.07 min  
Lab File: BG019663.D  
Acq: 17 Nov 2015 17:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.3  | 15.7  | 23.5  |
| 226     | 31.8  | 22.6  | 33.8  |





#84

Bis(2-ethylhexyl)phthalate

Concen: 23.27 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

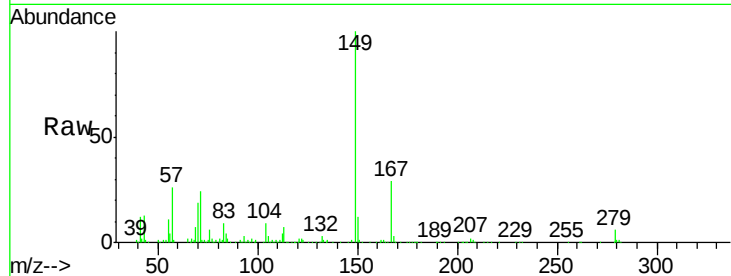
Tot Ion:149 Resp: 171598

Ion Ratio Lower Upper

149 100

167 29.2 22.4 33.6

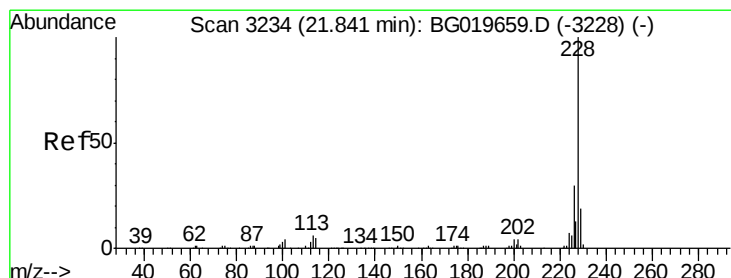
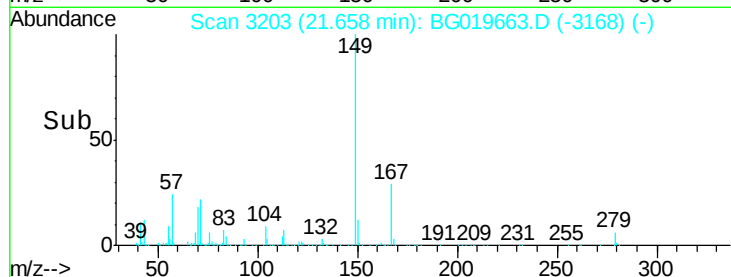
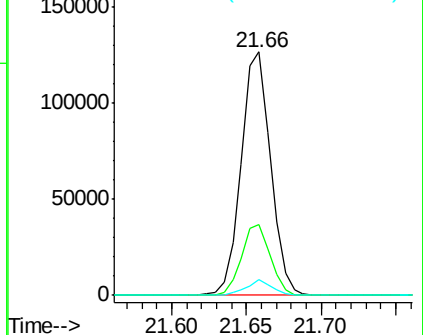
279 6.4 3.6 5.4#



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: 18.73 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. -0.00 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

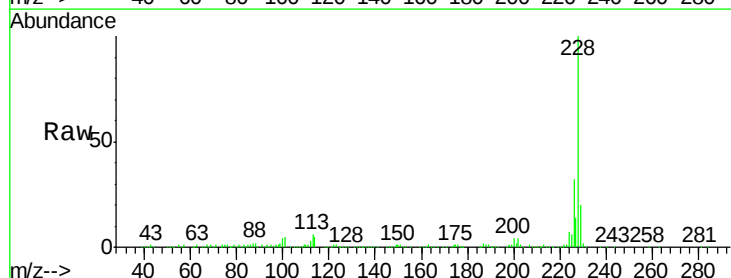
Tgt Ion:228 Resp: 279803

Ion Ratio Lower Upper

228 100

226 31.8 24.9 37.3

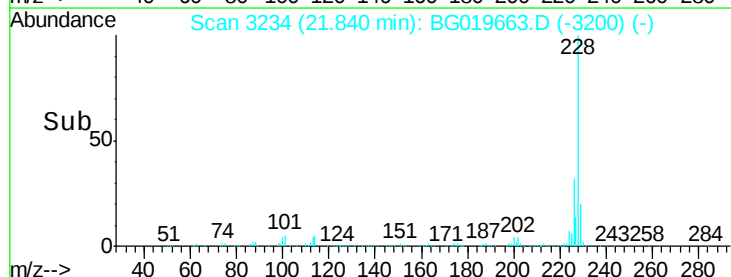
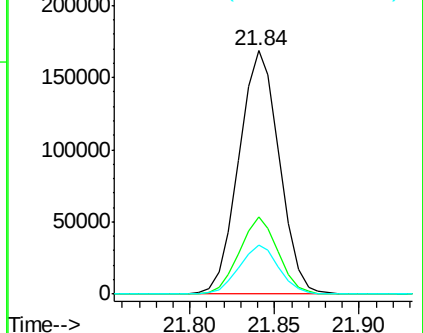
229 20.3 17.0 25.6

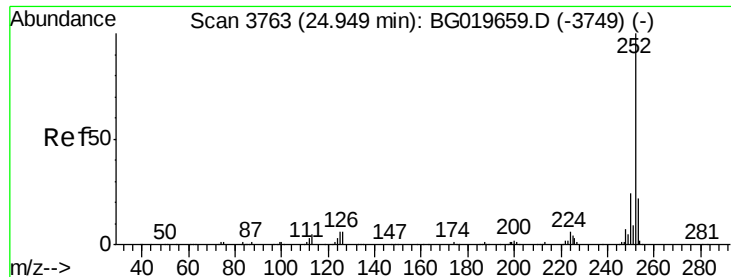


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#91

Benzo(a)pyrene

Concen: 16.26 ng/ul

RT: 24.95 min Scan# 3764

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

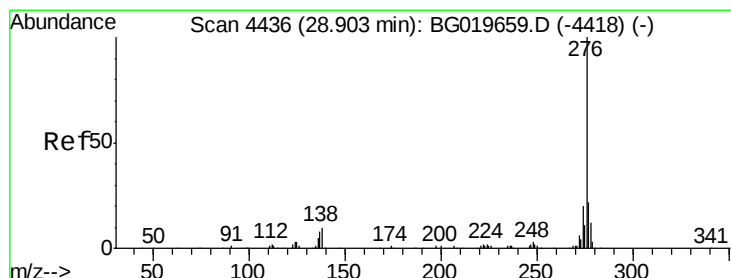
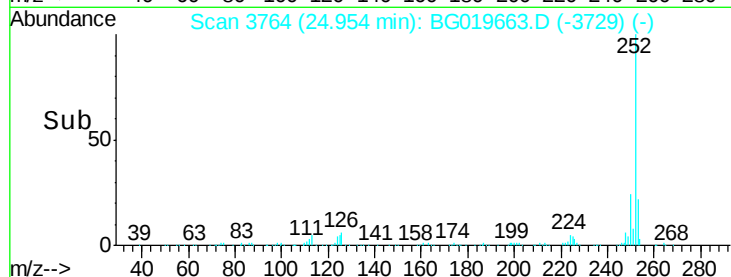
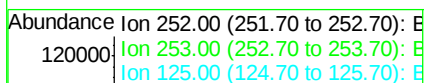
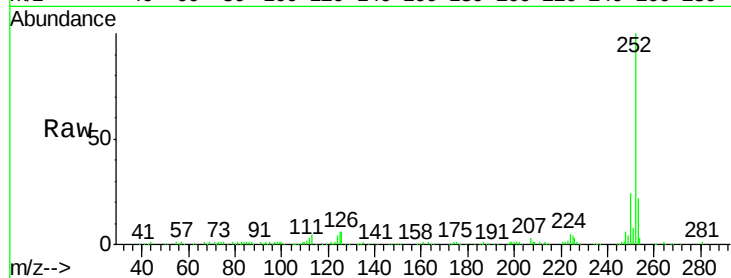
Tot Ion:252 Resp: 245066

Ion Ratio Lower Upper

252 100

253 22.1 16.9 25.3

125 5.6 5.4 8.0



#92

Indeno(1,2,3-cd)pyrene

Concen: 18.63 ng/ul

RT: 28.91 min Scan# 4437

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

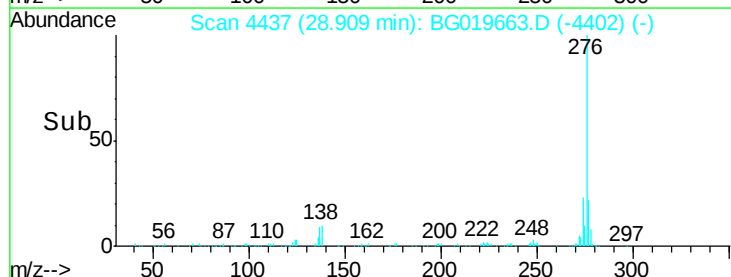
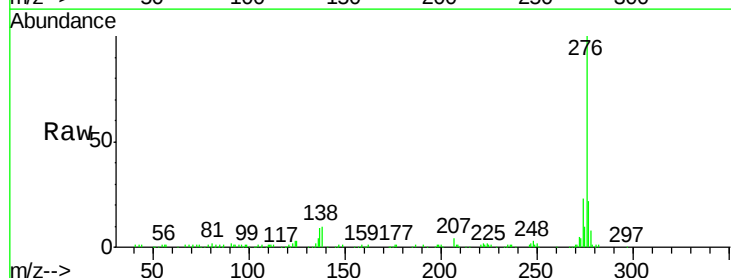
Tgt Ion:276 Resp: 314236

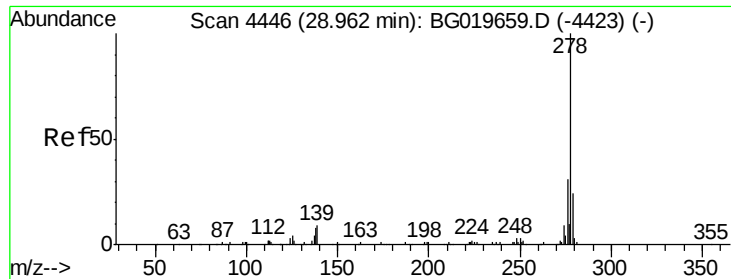
Ion Ratio Lower Upper

276 100

138 10.2 9.9 14.9

277 22.0 21.3 31.9





#93

Dibenzo(a,h)anthracene

Concen: 11.57 ng/ul

RT: 28.97 min Scan# 4447

Delta R.T. 0.01 min

Lab File: BG019663.D

Acq: 17 Nov 2015 17:11

Instrument :

BNA\_G

ClientSampleId :

A4HX8

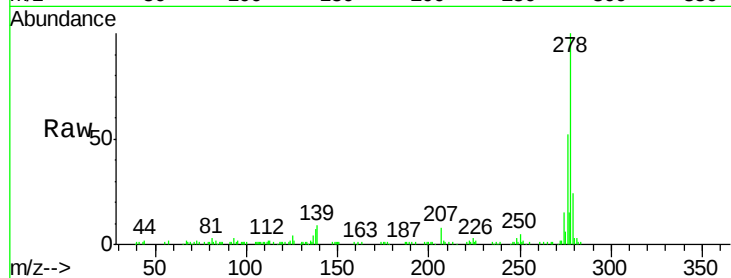
Tot Ion:278 Resp: 160452

Ion Ratio Lower Upper

278 100

139 9.1 5.9 8.9#

279 23.8 18.2 27.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

