

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG072016\  
 Data File : BG023202.D  
 Acq On : 21 Jul 2016 00:34  
 Operator : UM/SJ  
 Sample : MDL-03-W  
 Misc : MDL 8PPM  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

Quant Time: Jul 21 04:30:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 21 04:24:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.14  | 152  | 128157   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.98 | 136  | 585521   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.81 | 164  | 412082   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.57 | 188  | 1017952  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 1109857  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.30 | 264  | 1082878  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.50  | 96  | 7726    | 2.73  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.29  | 99  | 411382  | 31.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.52  | 67  | 426     | 0.05  | ng/ul | 0.06 |
| 9) 2-Chlorophenol-d4           | 7.66  | 132 | 278392  | 31.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.85  | 113 | 319287  | 31.06 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 159631  | 34.08 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.04 | 143 | 179017  | 32.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 311066  | 30.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.11 | 131 | 429534  | 40.34 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 1157663 | 33.79 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.50 | 160 | 1305512 | 33.52 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.01 | 143 | 201340  | 33.30 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.80 | 176 | 1013733 | 32.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.92 | 200 | 215113  | 30.71 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.67 | 188 | 1569963 | 32.95 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.96 | 212 | 1861930 | 32.50 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.07 | 264 | 1716680 | 33.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |      |        | Qvalue |
|--------------------------------|-------|-----|--------|------|--------|--------|
| 2) 1,4-Dioxane                 | 3.54  | 88  | 3232   | 1.07 | ng/uL# | 66     |
| 4) Benzaldehyde                | 7.27  | 77  | 61632  | 7.51 | ng/ul# | 79     |
| 6) Phenol                      | 7.32  | 94  | 77352  | 5.63 | ng/ul# | 58     |
| 8) Bis(2-Chloroethyl)ether     | 7.55  | 93  | 66107  | 6.40 | ng/ul# | 84     |
| 10) 2-Chlorophenol             | 7.70  | 128 | 50589  | 5.55 | ng/ul# | 84     |
| 11) 2-Methylphenol             | 8.58  | 108 | 55263  | 5.44 | ng/ul# | 80     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 84480  | 6.04 | ng/ul  | 94     |
| 14) Acetophenone               | 8.97  | 105 | 109200 | 6.10 | ng/ul# | 77     |
| 15) N-Nitroso-di-n-propylamine | 8.95  | 70  | 68406  | 5.80 | ng/ul# | 88     |
| 16) 4-Methylphenol             | 8.92  | 108 | 65440  | 5.79 | ng/ul  | 96     |
| 17) Hexachloroethane           | 9.23  | 117 | 25082  | 5.81 | ng/ul# | 89     |
| 20) Nitrobenzene               | 9.36  | 77  | 92210  | 6.10 | ng/ul# | 79     |
| 21) Isophorone                 | 9.88  | 82  | 173459 | 6.02 | ng/ul# | 91     |
| 23) 2-Nitrophenol              | 10.08 | 139 | 36732  | 6.30 | ng/ul# | 56     |
| 24) 2,4-Dimethylphenol         | 10.13 | 107 | 80342  | 5.99 | ng/ul  | 88     |
| 25) Bis(2-Chloroethoxy)methane | 10.37 | 93  | 97609  | 6.12 | ng/ul# | 96     |
| 27) 2,4-Dichlorophenol         | 10.62 | 162 | 59772  | 5.87 | ng/ul# | 90     |
| 28) Naphthalene                | 11.03 | 128 | 180305 | 6.12 | ng/ul  | 99     |
| 30) 4-Chloroaniline            | 11.14 | 127 | 73878  | 6.71 | ng/ul  | 94     |
| 31) Hexachlorobutadiene        | 11.30 | 225 | 48626  | 5.94 | ng/ul  | 95     |
| 32) Caprolactam                | 11.98 | 113 | 1816   | 0.43 | ng/ul  | 93     |
| 33) 4-Chloro-3-methylphenol    | 12.26 | 107 | 71842  | 5.37 | ng/ul  | 94     |
| 34) 2-Methylnaphthalene        | 12.64 | 142 | 143804 | 5.90 | ng/ul  | 95     |

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 Misc : MDL 8PPM  
 ALS Vial : 13 Sample Multiplier: 1

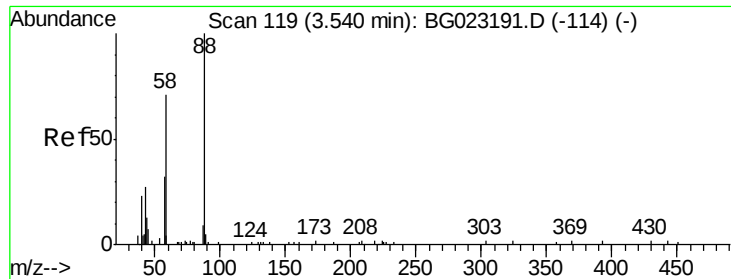
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

Quant Time: Jul 21 04:30:28 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 21 04:24:30 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216  | 88484    | 6.44 | ng/ul# | 90       |
| 37) Hexachlorocyclopentadiene  | 12.97 | 237  | 48042    | 5.37 | ng/ul  | 95       |
| 38) 2,4,6-Trichlorophenol      | 13.24 | 196  | 56032    | 5.89 | ng/ul  | 94       |
| 39) 2,4,5-Trichlorophenol      | 13.24 | 196  | 56032    | 5.77 | ng/ul  | 95       |
| 40) 1,1'-Biphenyl              | 13.63 | 154  | 196190   | 6.35 | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.68 | 162  | 159565   | 6.41 | ng/ul  | 94       |
| 42) 2-Nitroaniline             | 13.89 | 65   | 61086    | 5.51 | ng/ul# | 68       |
| 44) Dimethylphthalate          | 14.25 | 163  | 223773   | 6.45 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.37 | 165  | 44107    | 5.86 | ng/ul# | 87       |
| 47) Acenaphthylene             | 14.53 | 152  | 253763   | 6.43 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.72 | 138  | 44424    | 6.91 | ng/ul# | 60       |
| 49) Acenaphthene               | 14.87 | 153  | 165966   | 6.23 | ng/ul  | 93       |
| 50) 2,4-Dinitrophenol          | 14.92 | 184  | 18491    | 3.91 | ng/ul  | 92       |
| 52) 4-Nitrophenol              | 15.03 | 109  | 45827    | 6.37 | ng/ul# | 64       |
| 53) Dibenzofuran               | 15.21 | 168  | 256003   | 6.51 | ng/ul# | 85       |
| 54) 2,4-Dinitrotoluene         | 15.17 | 165  | 68322    | 5.96 | ng/ul# | 64       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.44 | 232  | 58402    | 5.95 | ng/ul  | 92       |
| 56) Diethylphthalate           | 15.61 | 149  | 243649   | 6.60 | ng/ul  | 98       |
| 58) Fluorene                   | 15.86 | 166  | 207060   | 6.39 | ng/ul  | 95       |
| 59) 4-Chlorophenyl-phenylether | 15.85 | 204  | 111351   | 6.27 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.88 | 138  | 51577    | 6.52 | ng/ul# | 45       |
| 63) 4,6-Dinitro-2-methylphenol | 15.94 | 198  | 43055    | 5.81 | ng/ul# | 69       |
| 64) N-Nitrosodiphenylamine     | 16.06 | 169  | 184192   | 6.26 | ng/ul  | 94       |
| 65) 4-Bromophenyl-phenylether  | 16.75 | 248  | 71419    | 6.10 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.87 | 284  | 73781    | 6.15 | ng/ul  | 95       |
| 67) Atrazine                   | 17.01 | 200  | 80862    | 6.45 | ng/ul  | 95       |
| 68) Pentachlorophenol          | 17.22 | 266  | 38389    | 5.16 | ng/ul  | 89       |
| 69) Phenanthrene               | 17.61 | 178  | 358079   | 6.83 | ng/ul  | 98       |
| 71) Anthracene                 | 17.71 | 178  | 377308   | 6.87 | ng/ul  | 98       |
| 72) Carbazole                  | 17.98 | 167  | 307464   | 7.11 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.52 | 149  | 408163   | 6.81 | ng/ul# | 96       |
| 74) Fluoranthene               | 19.63 | 202  | 435261   | 7.90 | ng/ul# | 88       |
| 77) Pyrene                     | 19.99 | 202  | 462538   | 6.86 | ng/ul# | 86       |
| 78) Butylbenzylphthalate       | 20.93 | 149  | 592      | 0.02 | ng/ul  | 95       |
| 79) 3,3'-Dichlorobenzidine     | 21.78 | 252  | 143682   | 6.49 | ng/ul# | 95       |
| 80) Benzo(a)anthracene         | 21.87 | 228  | 436969   | 6.63 | ng/ul  | 96       |
| 81) Bis(2-ethylhexyl)phthalate | 21.75 | 149  | 261610   | 6.53 | ng/ul# | 98       |
| 82) Chrysene                   | 21.94 | 228  | 401328   | 6.71 | ng/ul  | 98       |
| 84) Di-n-octyl phthalate       | 23.03 | 149  | 430795   | 7.18 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.21 | 252  | 429895   | 6.53 | ng/ul# | 91       |
| 86) Benzo(k)fluoranthene       | 24.27 | 252  | 410453   | 6.57 | ng/ul# | 92       |
| 88) Benzo(a)pyrene             | 25.14 | 252  | 411907   | 6.56 | ng/ul# | 91       |
| 89) Indeno(1,2,3-cd)pyrene     | 29.17 | 276  | 345006   | 4.88 | ng/ul# | 86       |
| 90) Dibenzo(a,h)anthracene     | 29.36 | 278  | 1042     | 0.02 | ng/ul  | 96       |
| 91) Benzo(g,h,i)perylene       | 30.40 | 276  | 355885   | 6.09 | ng/ul# | 85       |

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





#2

1,4-Dioxane

Concen: 1.07 ng/uL

RT: 3.54 min Scan# 119

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

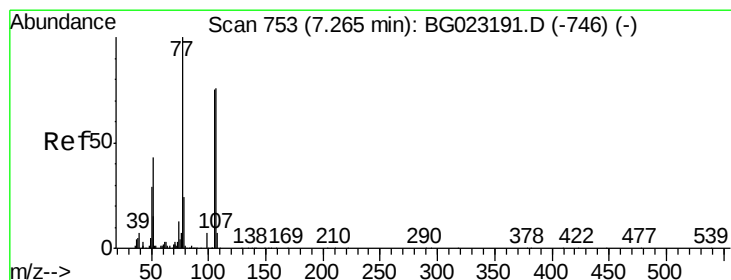
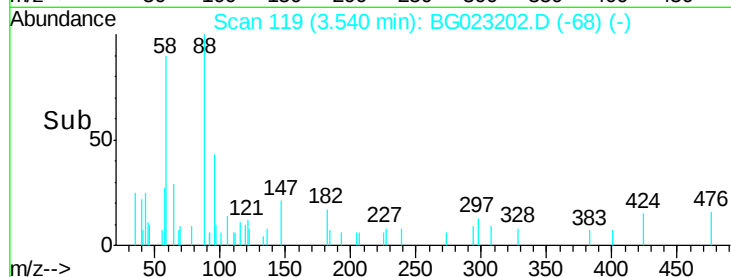
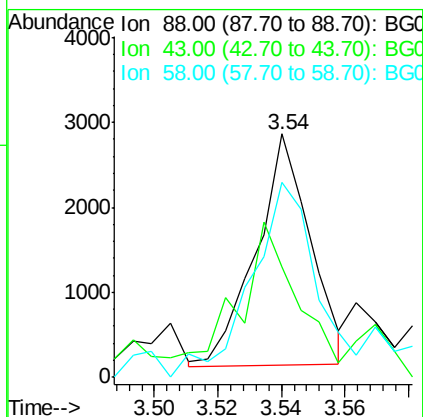
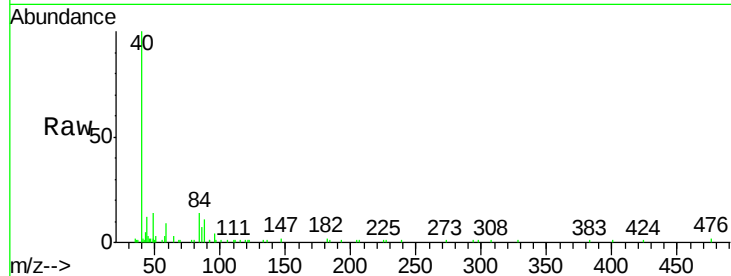
Tgt Ion: 88 Resp: 3232

Ion Ratio Lower Upper

88 100

43 45.1 16.6 24.8#

58 79.9 47.2 70.8#



#4

Benzaldehyde

Concen: 7.51 ng/uL

RT: 7.27 min Scan# 753

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

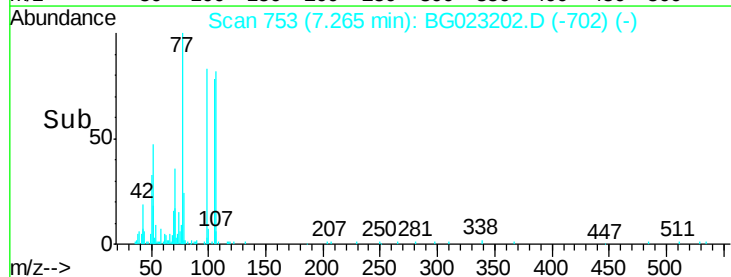
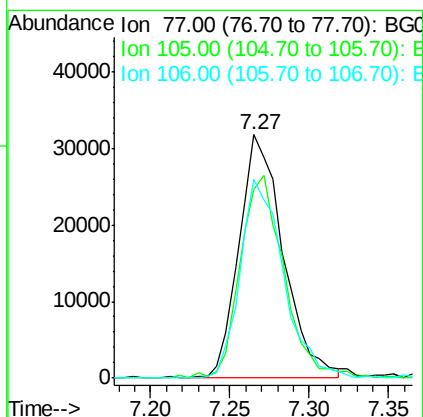
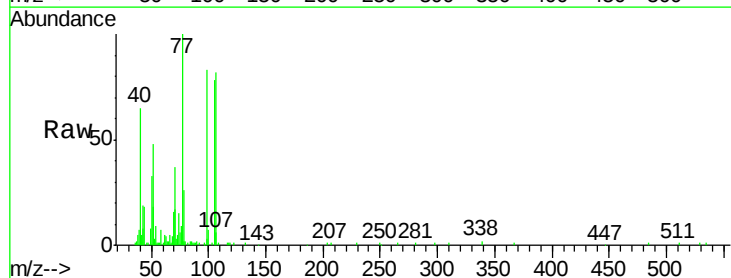
Tgt Ion: 77 Resp: 61632

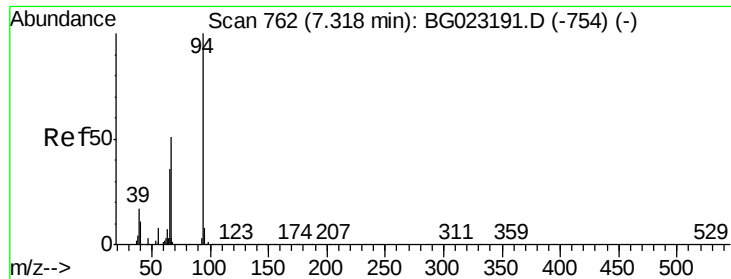
Ion Ratio Lower Upper

77 100

105 77.7 83.8 125.8#

106 81.9 77.9 116.9





#6

Phenol

Concen: 5.63 ng/ul

RT: 7.32 min Scan# 762

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampled :

MDL-03-W

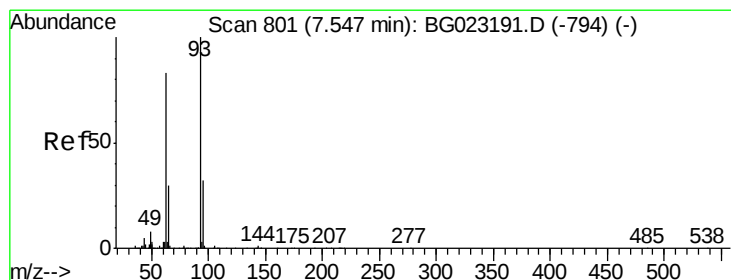
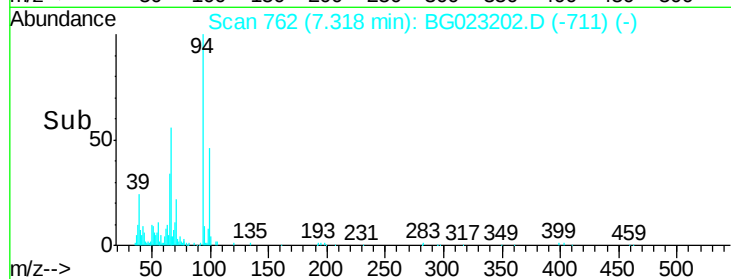
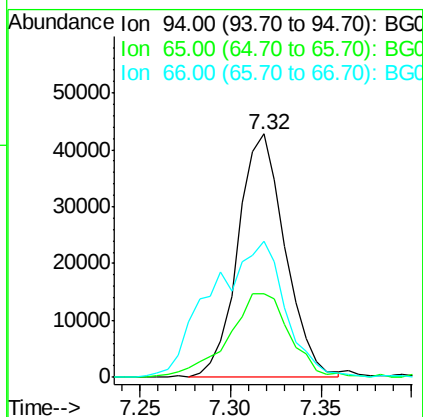
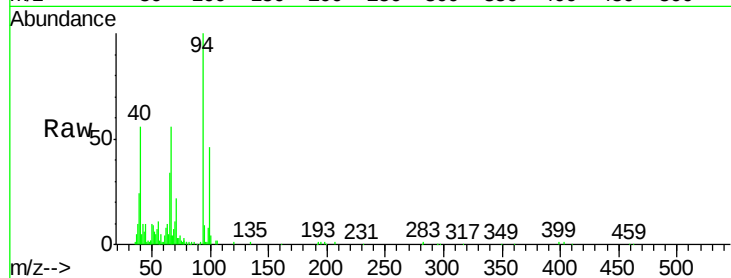
Tgt Ion: 94 Resp: 77352

Ion Ratio Lower Upper

94 100

65 34.2 16.8 25.2#

66 55.7 22.6 33.8#



#8

Bis(2-Chloroethyl)ether

Concen: 6.40 ng/ul

RT: 7.55 min Scan# 801

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

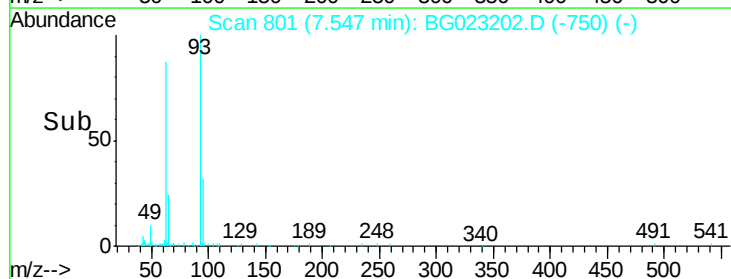
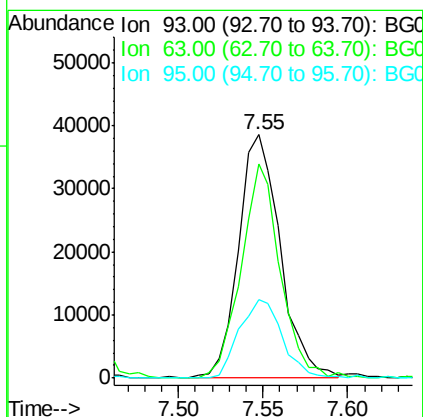
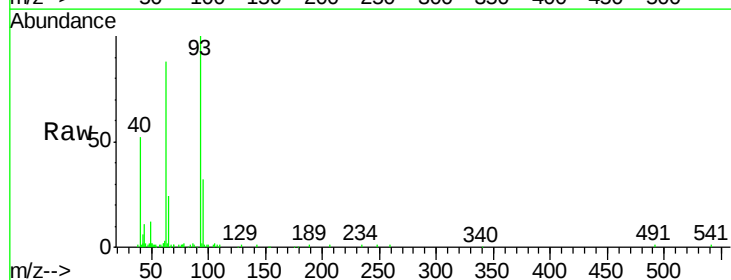
Tgt Ion: 93 Resp: 66107

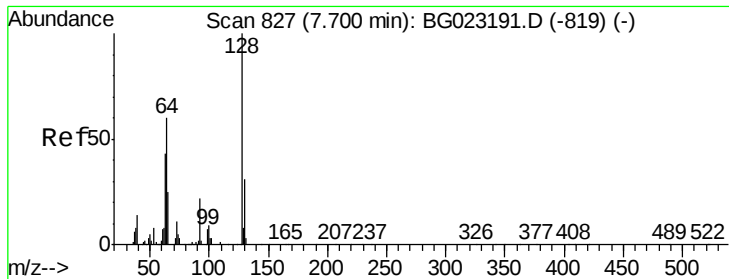
Ion Ratio Lower Upper

93 100

63 87.9 56.0 84.0#

95 32.0 27.7 41.5

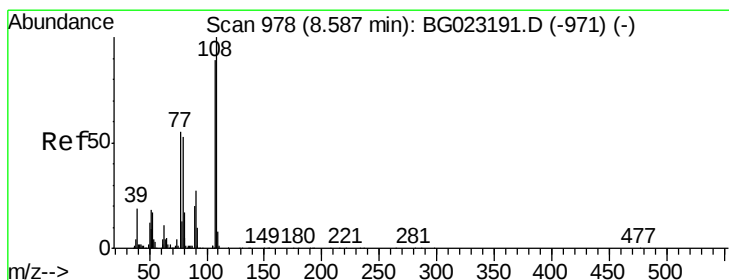
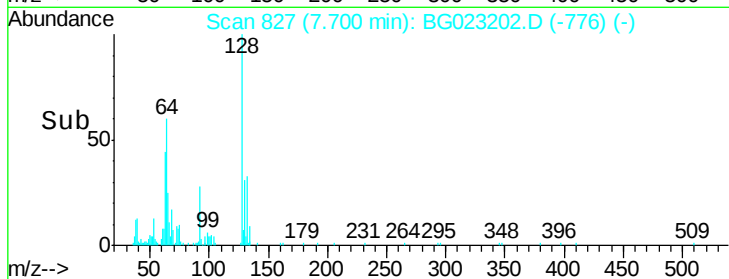
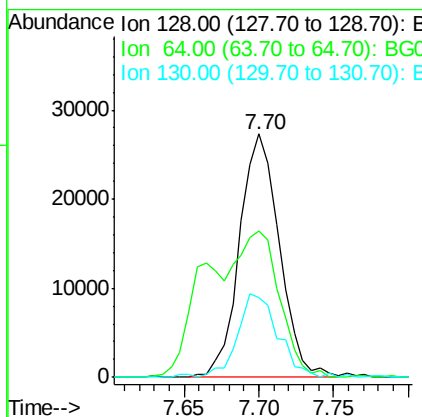
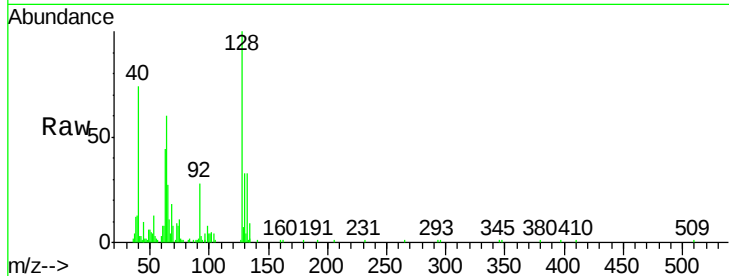




#10  
 2-Chlorophenol  
 Concen: 5.55 ng/ul  
 RT: 7.70 min Scan# 827  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

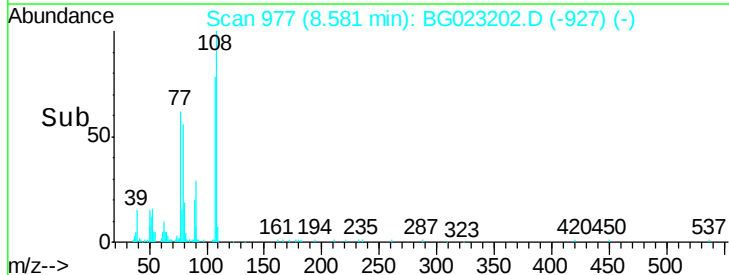
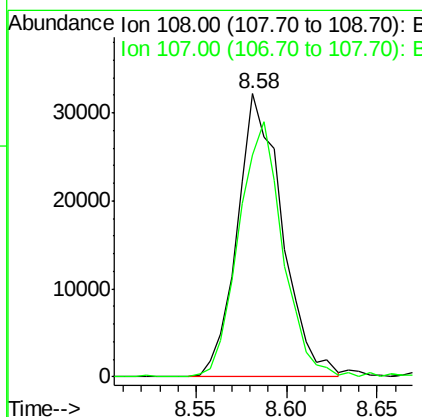
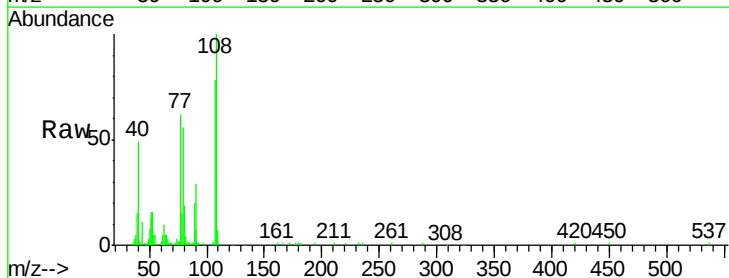
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

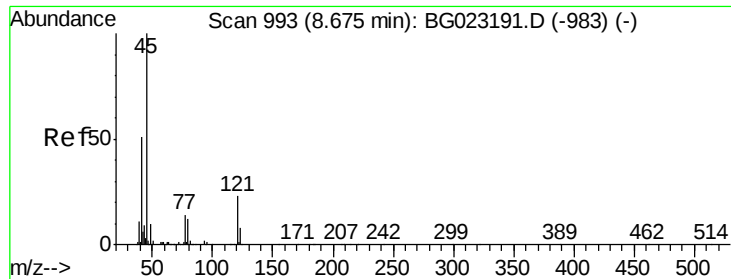
Tgt Ion:128 Resp: 50589  
 Ion Ratio Lower Upper  
 128 100  
 64 60.3 34.2 51.4#  
 130 32.6 27.0 40.4



#11  
 2-Methylphenol  
 Concen: 5.44 ng/ul  
 RT: 8.58 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:108 Resp: 55263  
 Ion Ratio Lower Upper  
 108 100  
 107 78.4 78.6 117.8#

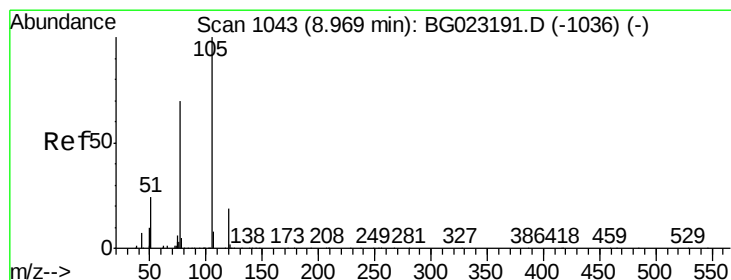
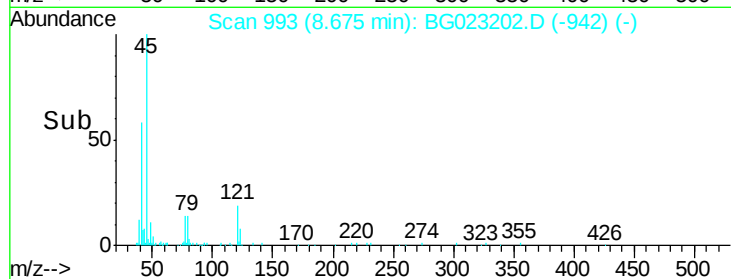
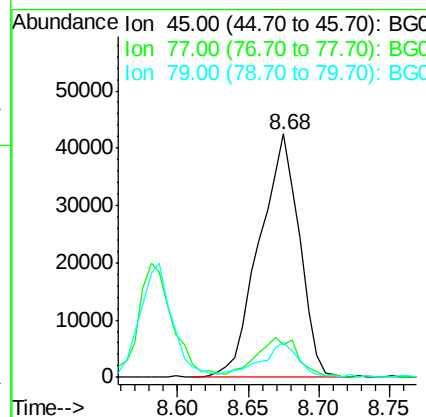
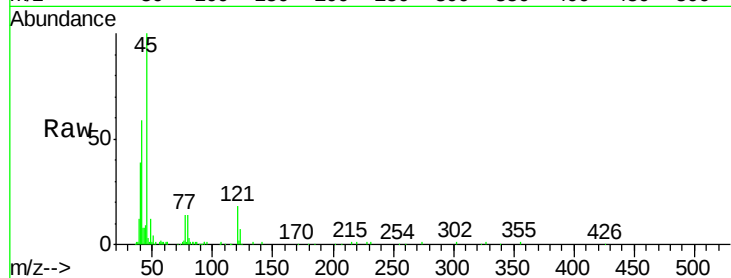




#12  
2,2'-oxybis(1-Chloropropane)  
Concen: 6.04 ng/ul  
RT: 8.68 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

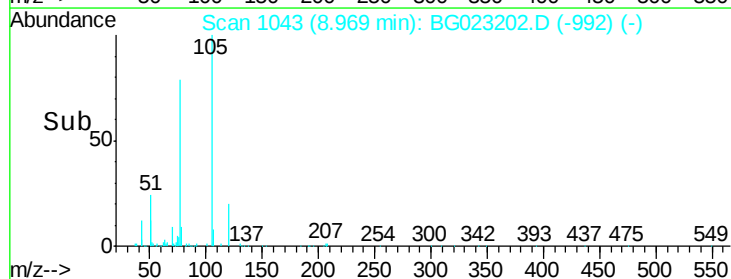
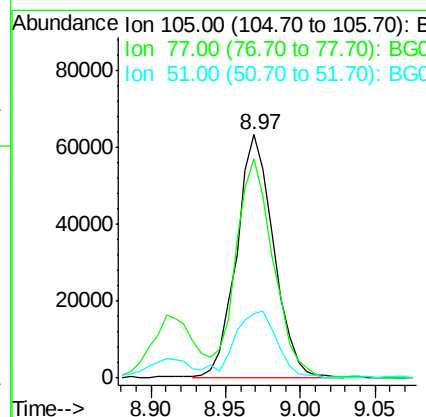
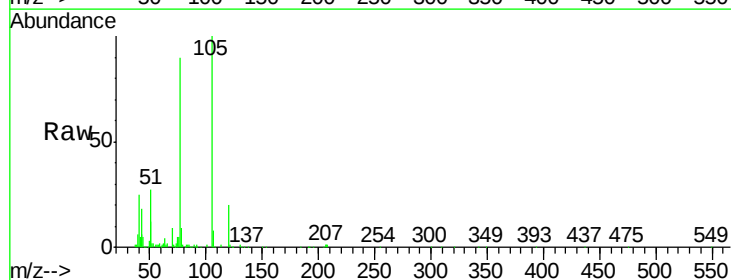
Instrument :  
BNA\_G  
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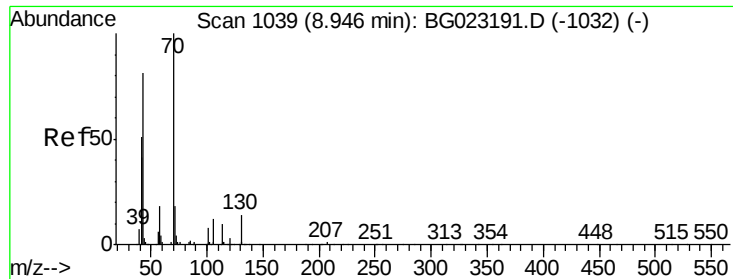
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Ion Ratio Lower Upper  
45 100  
77 13.5 13.4 20.2  
79 14.2 10.2 15.4



#14  
Acetophenone  
Concen: 6.10 ng/ul  
RT: 8.97 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

Tgt Ion: 105 Resp: 109200  
Ion Ratio Lower Upper  
105 100  
77 89.9 56.1 84.1#  
51 26.7 14.6 22.0#

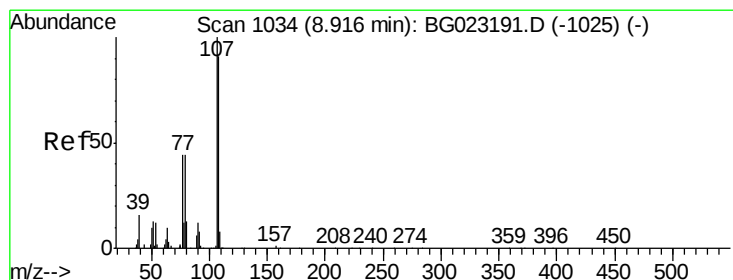
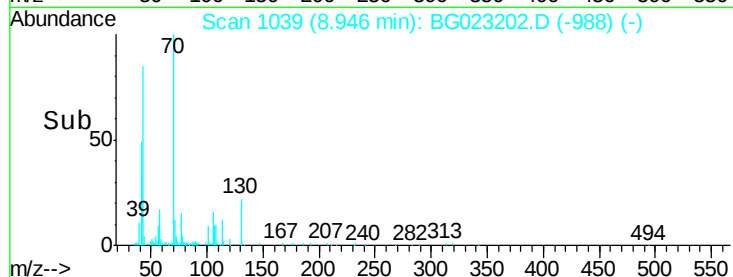
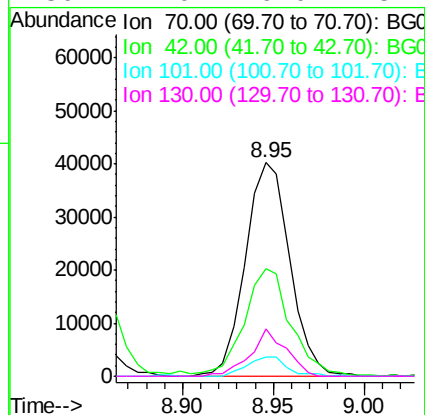
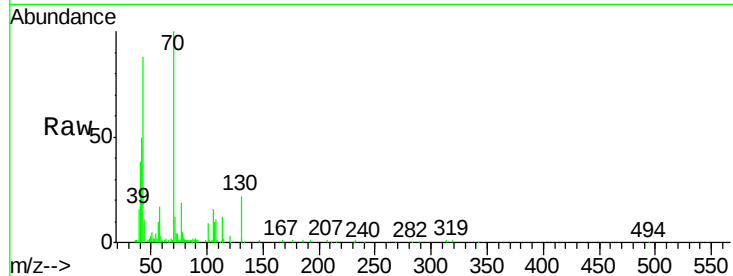




#15  
N-Nitroso-di-n-propylamine  
Concen: 5.80 ng/ul  
RT: 8.95 min Scan# 1039  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

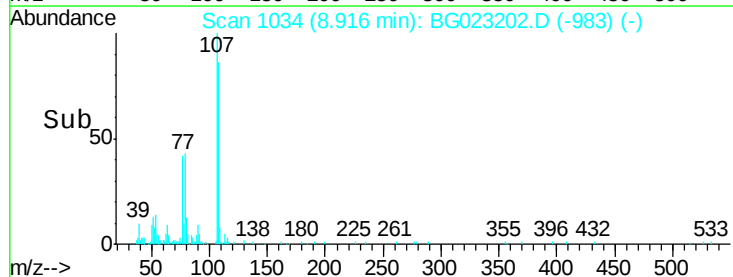
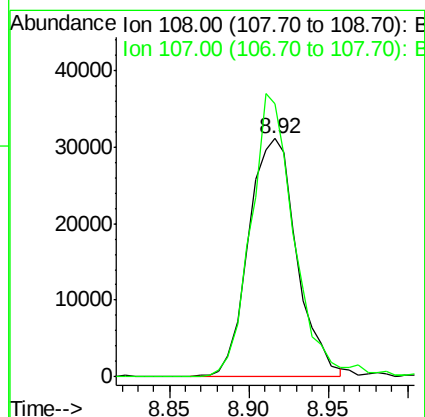
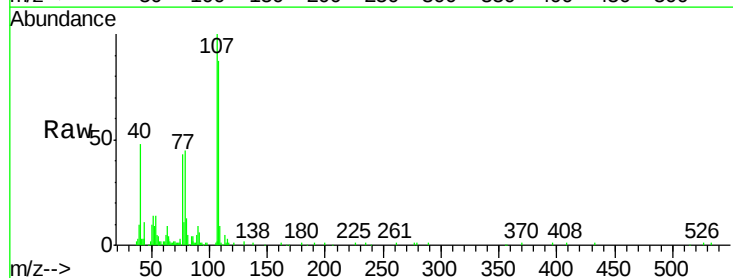
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

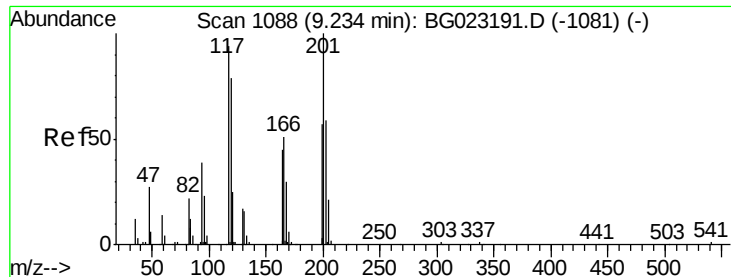
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 50.4  | 31.4  | 47.2# |
| 101     | 8.7   | 8.6   | 13.0  |
| 130     | 22.0  | 19.0  | 28.4  |



#16  
4-Methylphenol  
Concen: 5.79 ng/ul  
RT: 8.92 min Scan# 1034  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 114.7 | 88.3  | 132.5 |





#17

Hexachloroethane

Concen: 5.81 ng/ul

RT: 9.23 min Scan# 1088

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

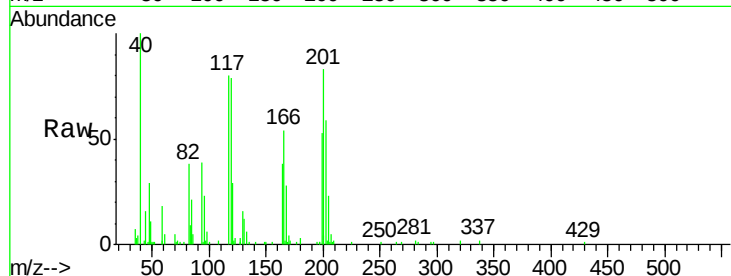
Tgt Ion:117 Resp: 25082

Ion Ratio Lower Upper

117 100

201 103.7 76.8 115.2

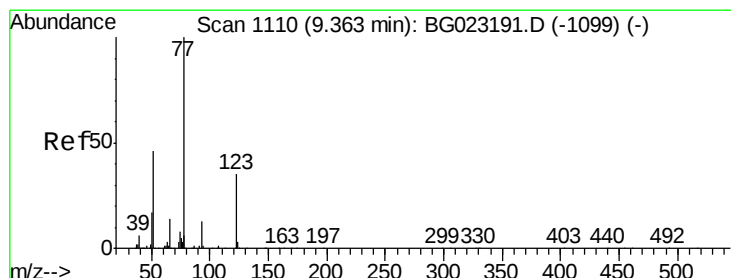
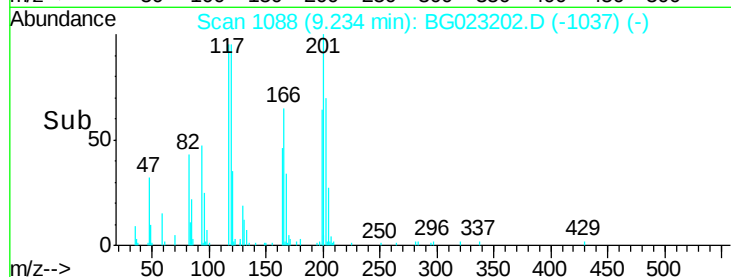
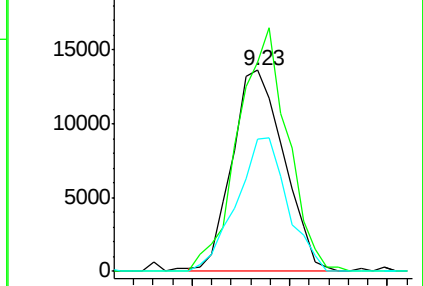
199 66.0 43.5 65.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 6.10 ng/ul

RT: 9.36 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

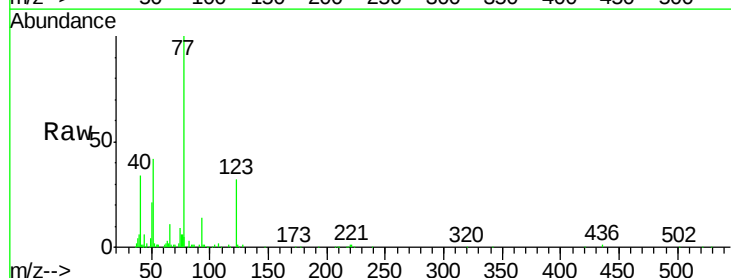
Tgt Ion: 77 Resp: 92210

Ion Ratio Lower Upper

77 100

123 32.1 39.5 59.3#

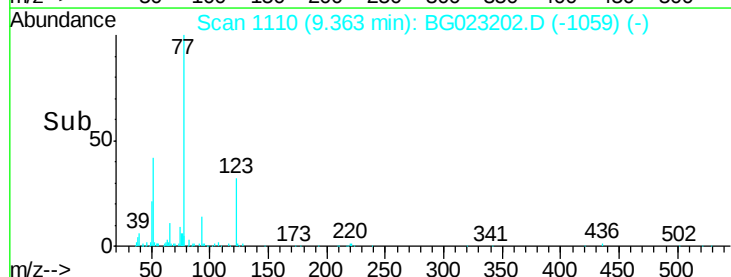
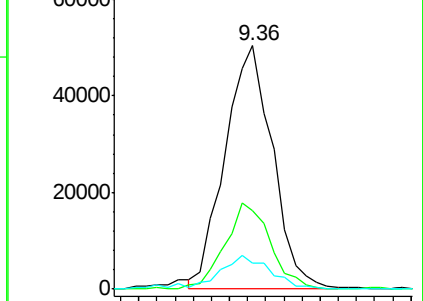
65 10.8 9.0 13.4

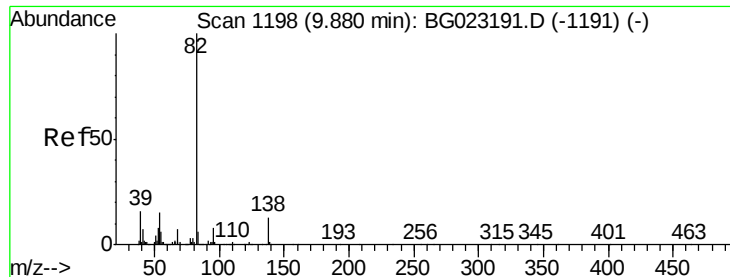


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 6.02 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampled :

MDL-03-W

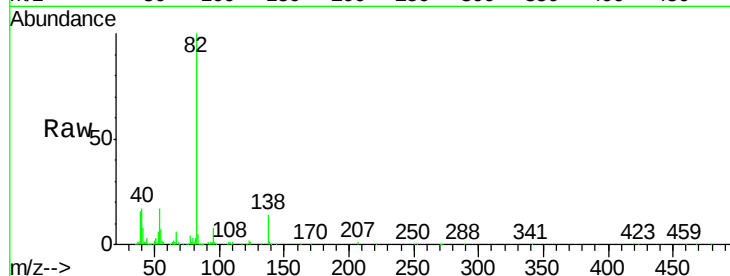
Tgt Ion: 82 Resp: 173459

Ion Ratio Lower Upper

82 100

95 8.3 5.1 7.7#

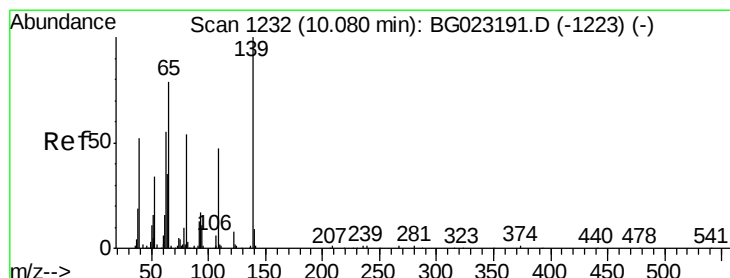
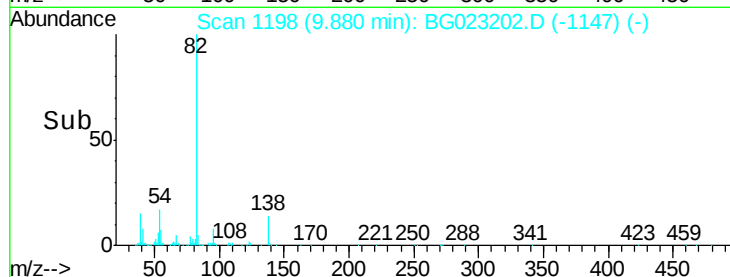
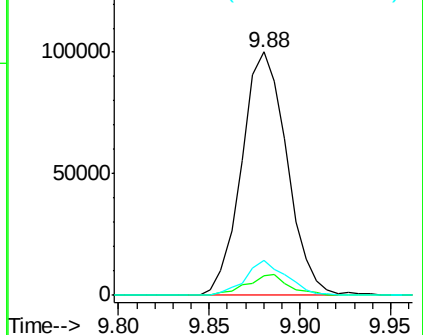
138 14.3 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#23

2-Nitrophenol

Concen: 6.30 ng/ul

RT: 10.08 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

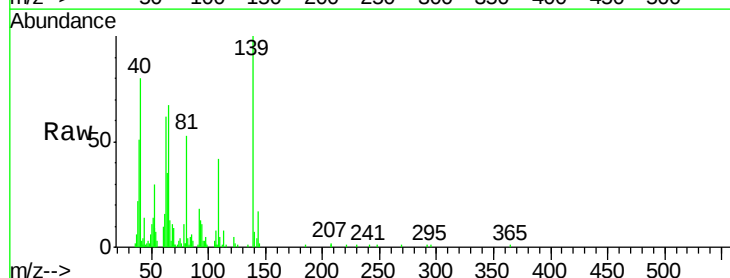
Tgt Ion: 139 Resp: 36732

Ion Ratio Lower Upper

139 100

65 67.2 31.8 47.8#

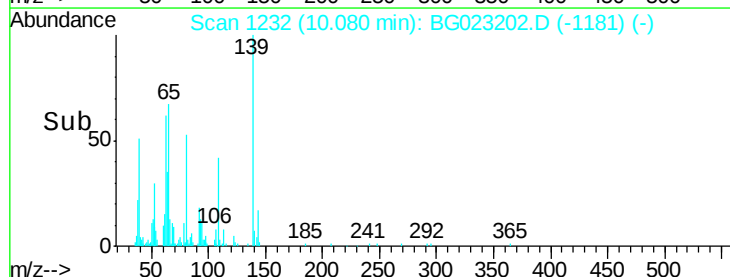
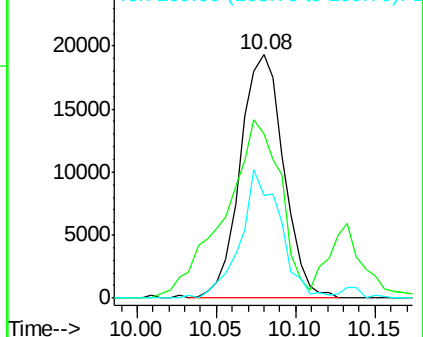
109 42.0 17.1 25.7#

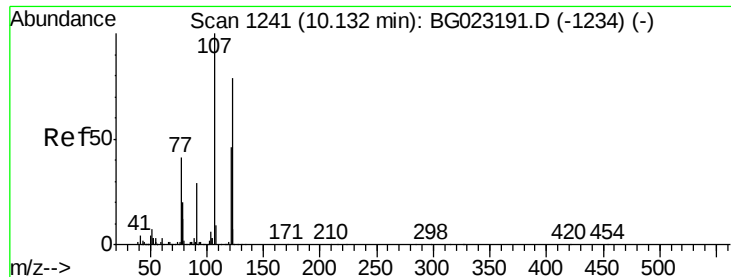


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

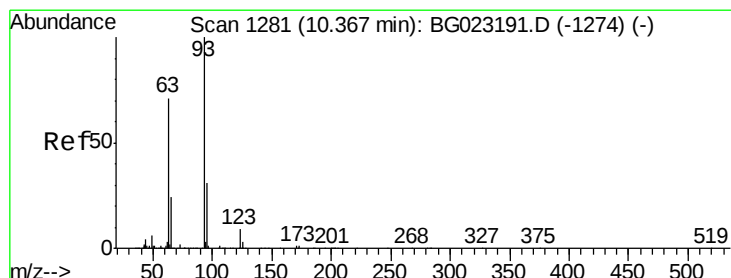
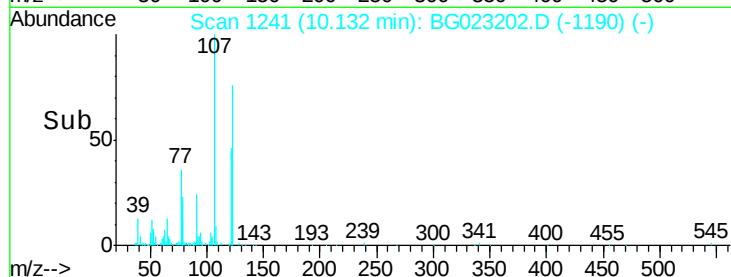
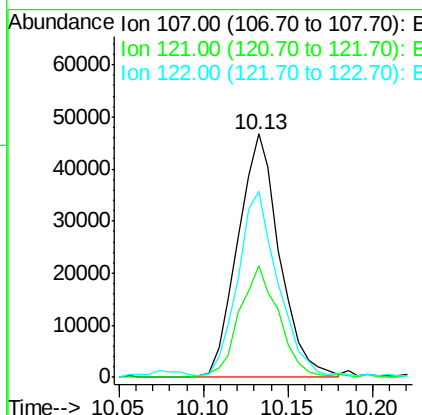
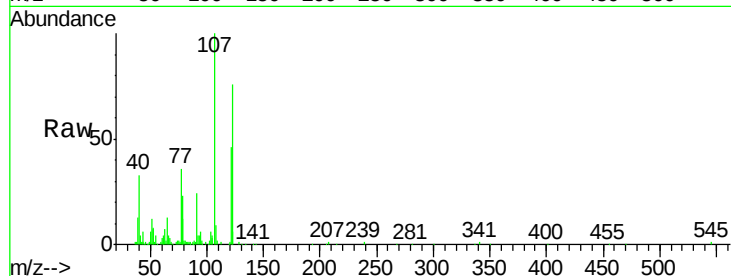




#24  
 2,4-Dimethylphenol  
 Concen: 5.99 ng/ul  
 RT: 10.13 min Scan# 1241  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

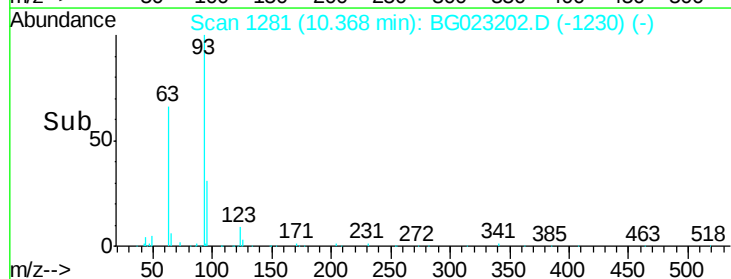
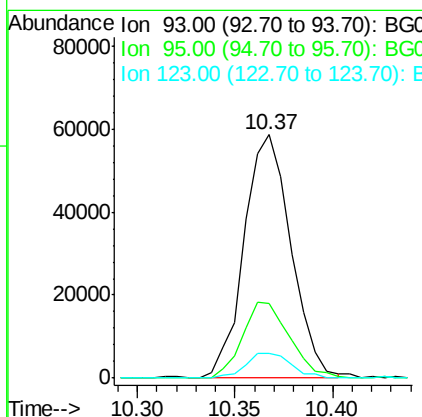
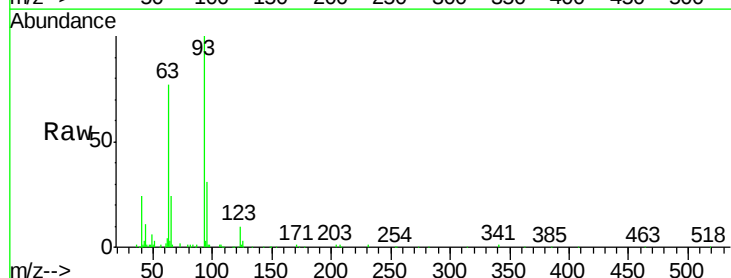
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

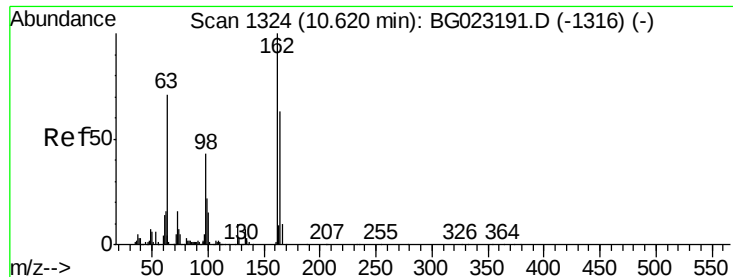
Tgt Ion: 107 Resp: 80342  
 Ion Ratio Lower Upper  
 107 100  
 121 45.7 43.7 65.5  
 122 76.3 70.3 105.5



#25  
 Bis(2-Chloroethoxy)methane  
 Concen: 6.12 ng/ul  
 RT: 10.37 min Scan# 1281  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion: 93 Resp: 97609  
 Ion Ratio Lower Upper  
 93 100  
 95 30.7 26.0 39.0  
 123 10.0 10.1 15.1#





#27

2,4-Dichlorophenol

Concen: 5.87 ng/ul

RT: 10.62 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

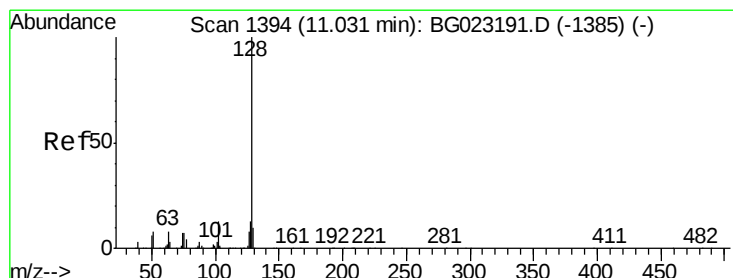
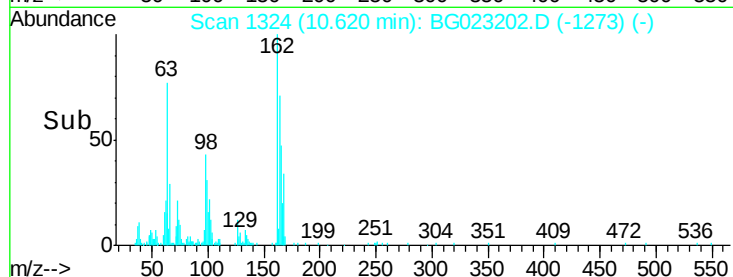
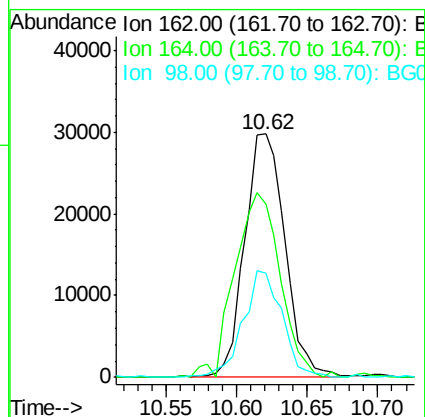
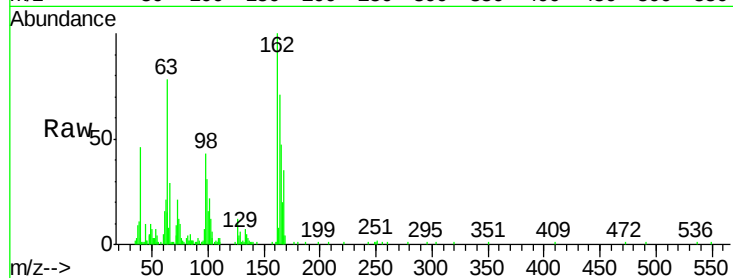
Tgt Ion:162 Resp: 59772

Ion Ratio Lower Upper

162 100

164 71.4 51.6 77.4

98 42.9 28.3 42.5#



#28

Naphthalene

Concen: 6.12 ng/ul

RT: 11.03 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

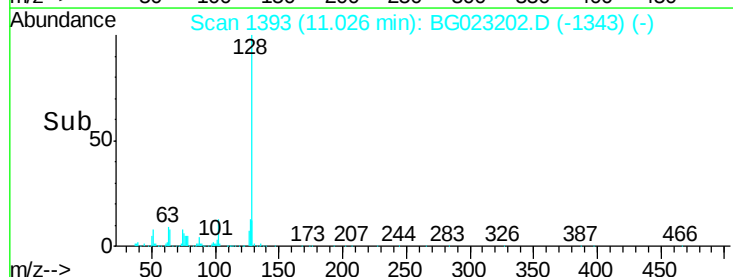
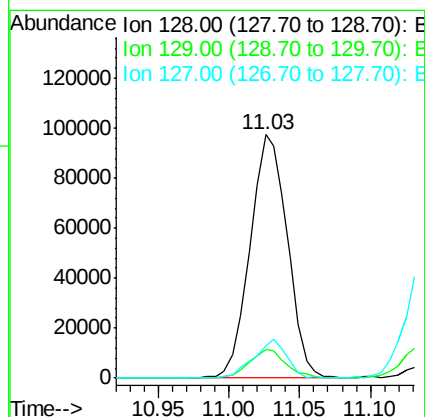
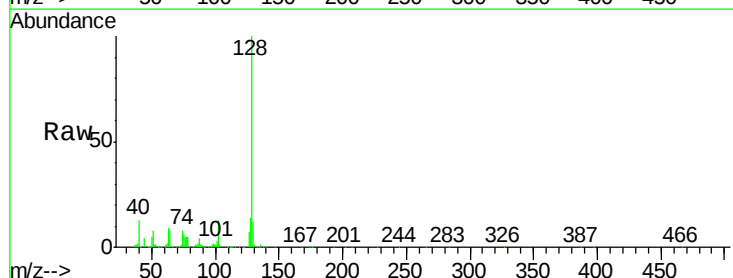
Tgt Ion:128 Resp: 180305

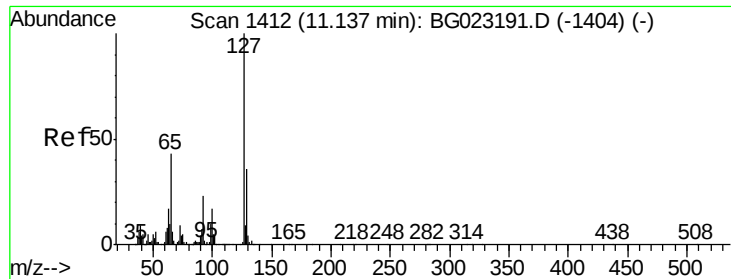
Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.2

127 13.6 11.2 16.8

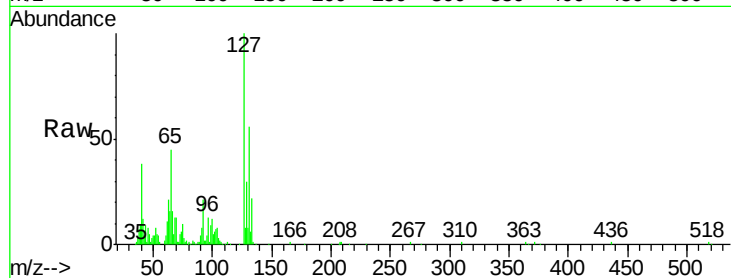




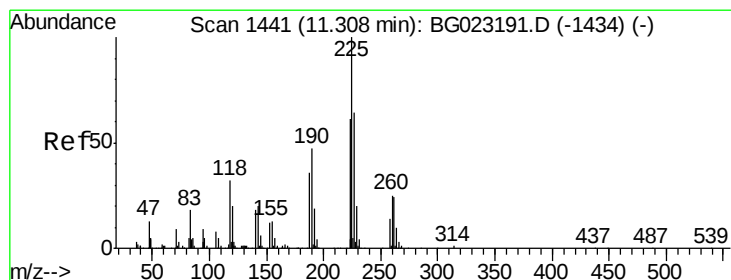
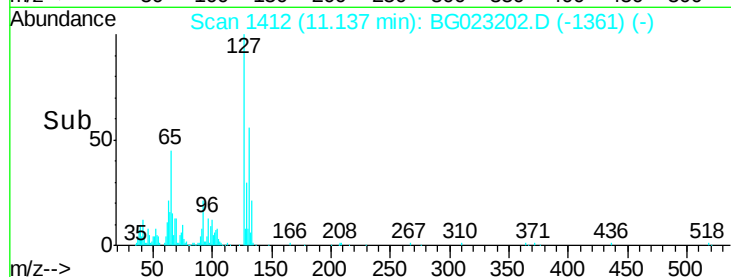
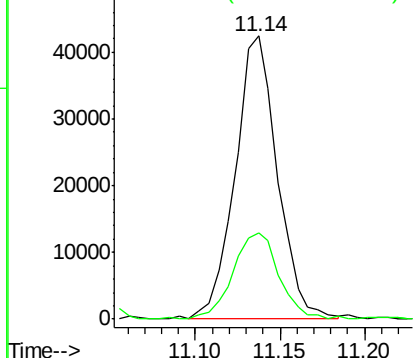
#30  
4-Chloroaniline  
Concen: 6.71 ng/ul  
RT: 11.14 min Scan# 1412  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

Tgt Ion:127 Resp: 73878  
Ion Ratio Lower Upper  
127 100  
129 30.3 26.9 40.3

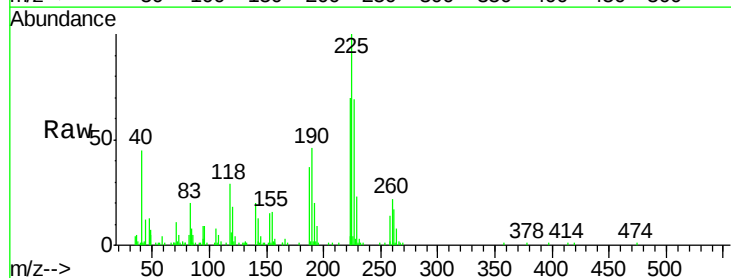


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E

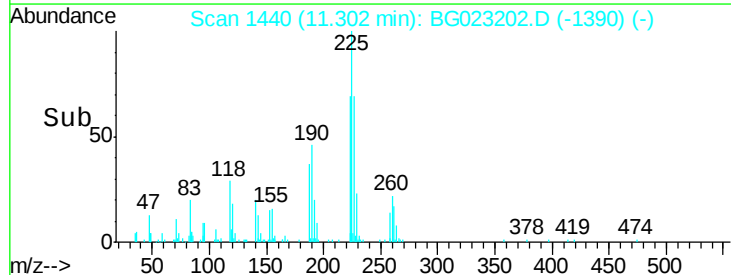
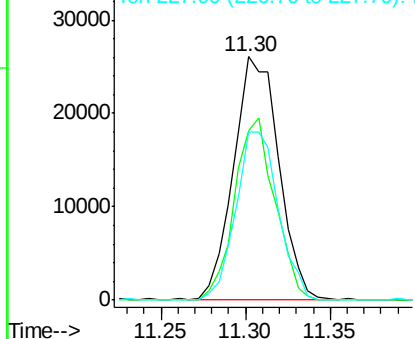


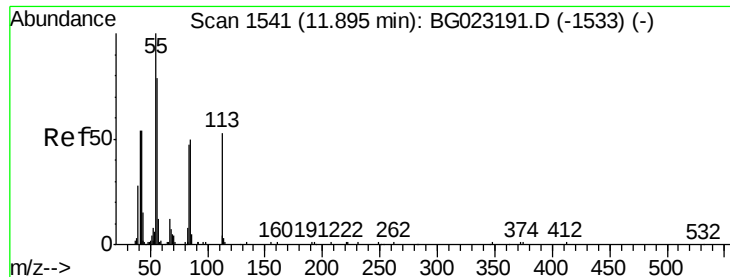
#31  
Hexachlorobutadiene  
Concen: 5.94 ng/ul  
RT: 11.30 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

Tgt Ion:225 Resp: 48626  
Ion Ratio Lower Upper  
225 100  
223 69.8 54.7 82.1  
227 72.2 52.2 78.4



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: 0.43 ng/ul

RT: 11.98 min Scan# 1555

Delta R.T. 0.08 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

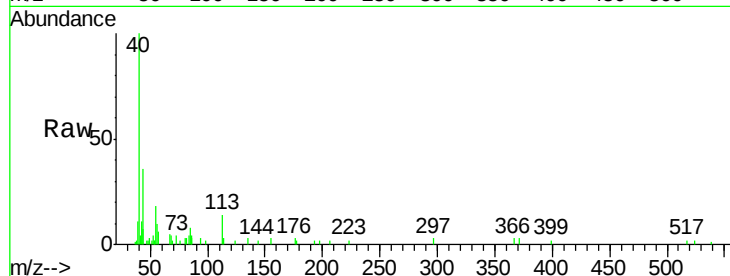
Tgt Ion:113 Resp: 1816

Ion Ratio Lower Upper

113 100

55 124.7 99.6 149.4

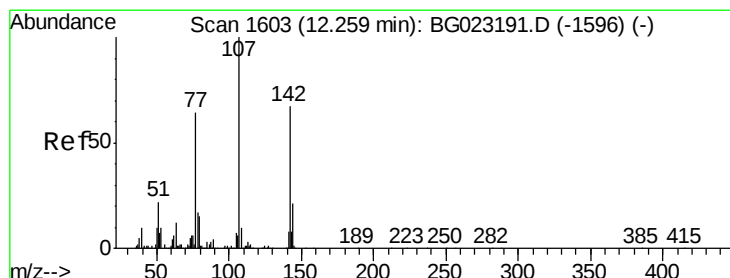
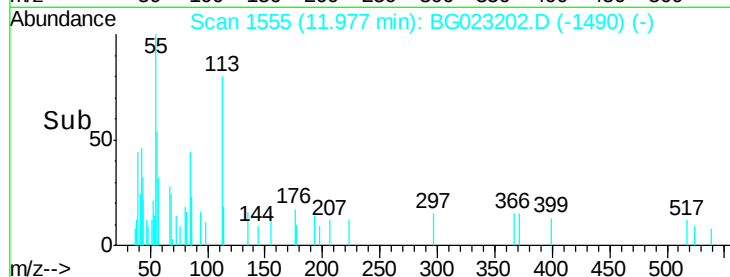
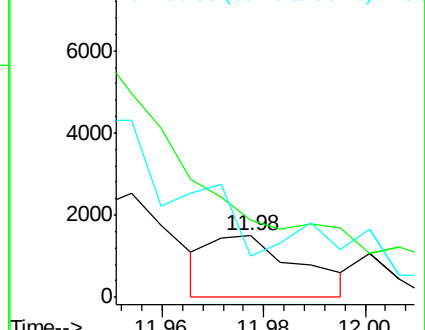
56 67.9 66.4 99.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG023191.D (-1533) (-)

Ion 56.00 (55.70 to 56.70): BG023191.D (-1533) (-)



#33

4-Chloro-3-methylphenol

Concen: 5.37 ng/ul

RT: 12.26 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

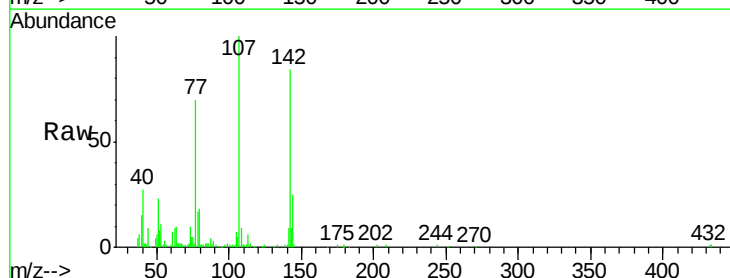
Tgt Ion:107 Resp: 71842

Ion Ratio Lower Upper

107 100

144 24.6 22.7 34.1

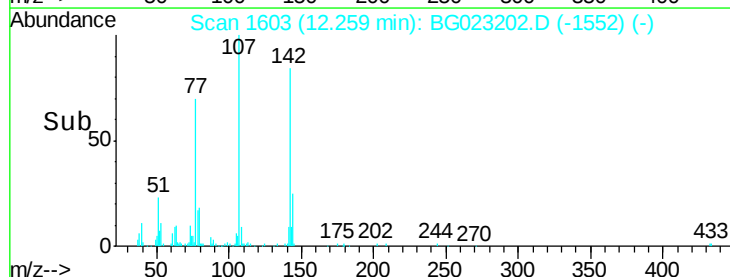
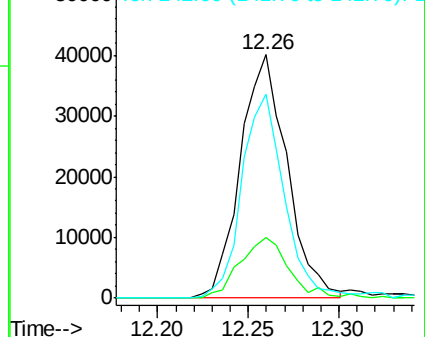
142 83.7 71.6 107.4

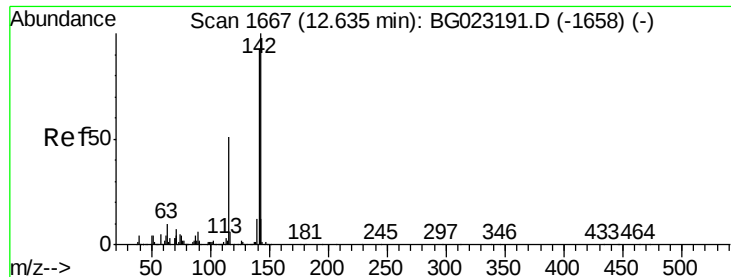


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

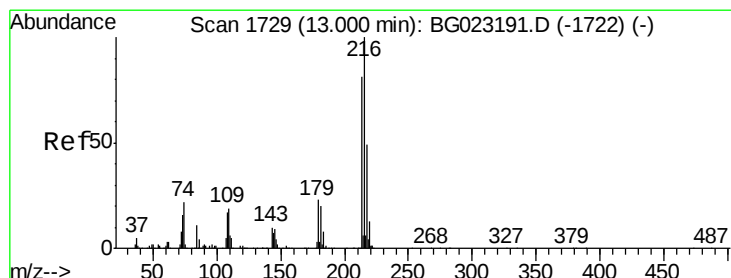
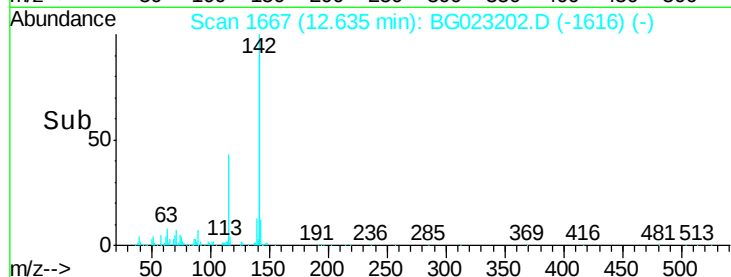
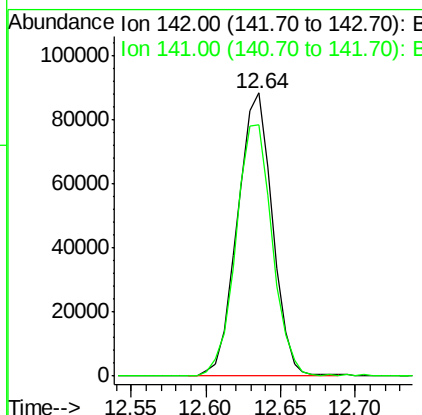
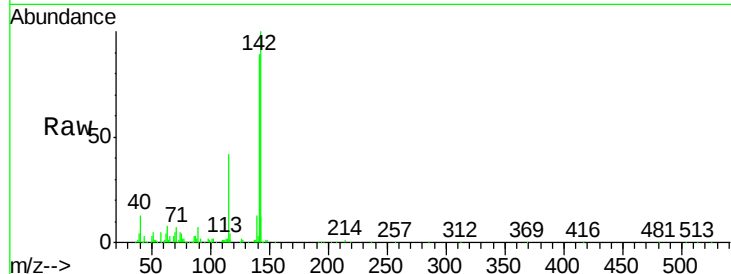




#34  
 2-Methylnaphthalene  
 Concen: 5.90 ng/ul  
 RT: 12.64 min Scan# 1667  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

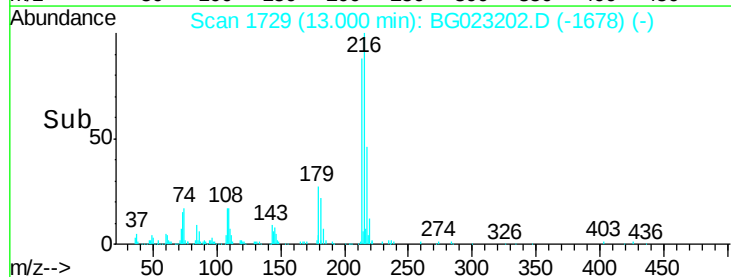
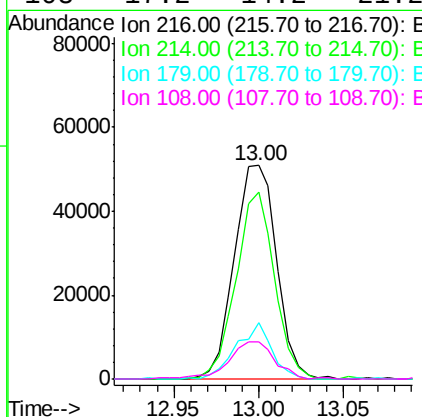
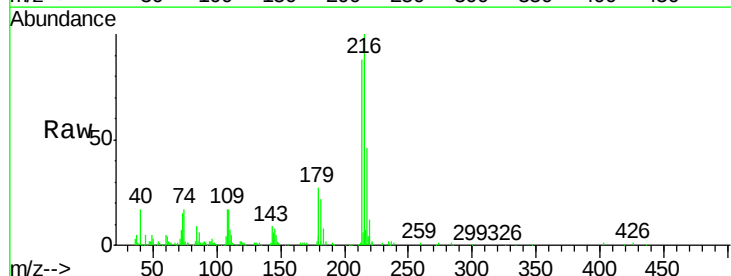
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

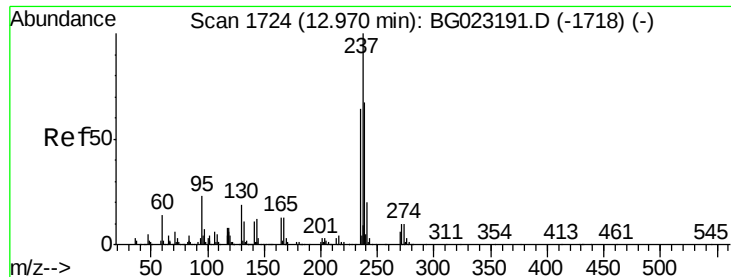
Tgt Ion:142 Resp: 143804  
 Ion Ratio Lower Upper  
 142 100  
 141 88.8 75.2 112.8



#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 6.44 ng/ul  
 RT: 13.00 min Scan# 1729  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:216 Resp: 88484  
 Ion Ratio Lower Upper  
 216 100  
 214 87.6 61.7 92.5  
 179 26.5 17.0 25.4#  
 108 17.2 14.2 21.2

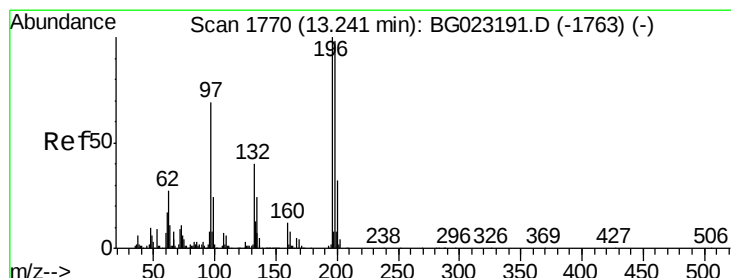
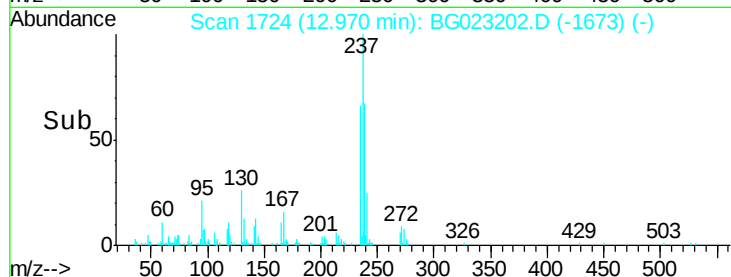
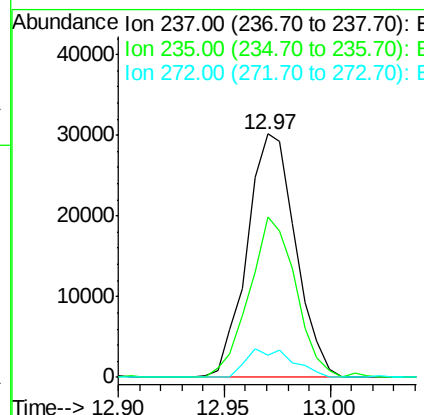
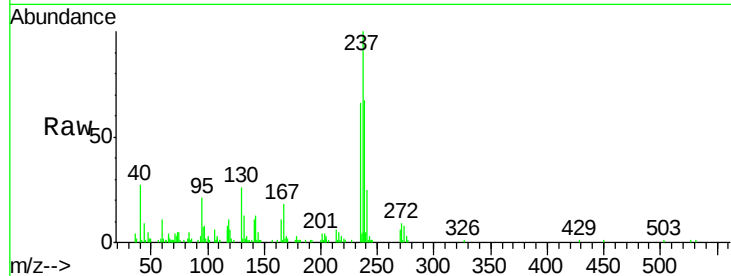




#37  
Hexachlorocyclopentadiene  
Concen: 5.37 ng/ul  
RT: 12.97 min Scan# 1724  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

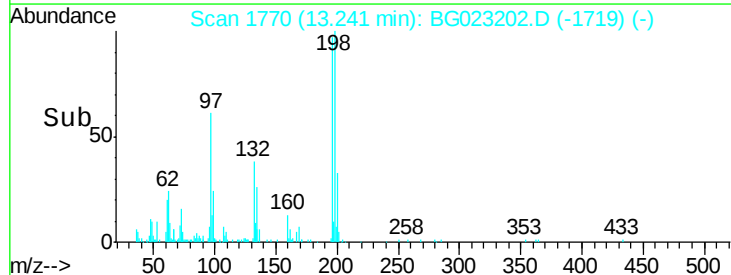
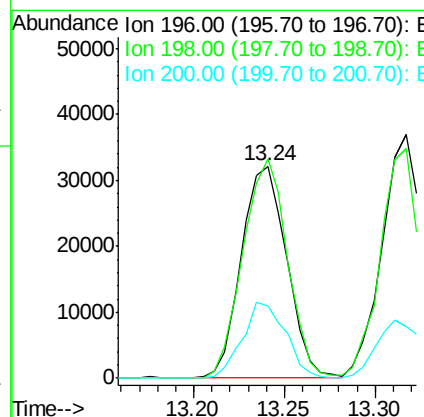
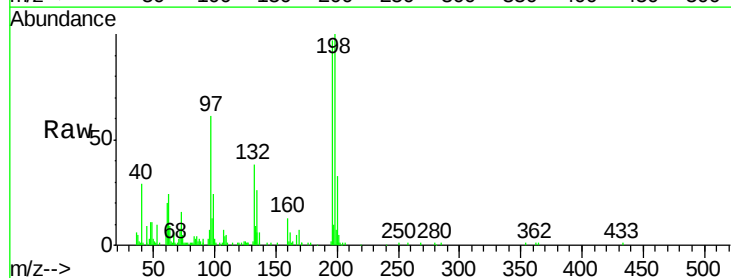
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

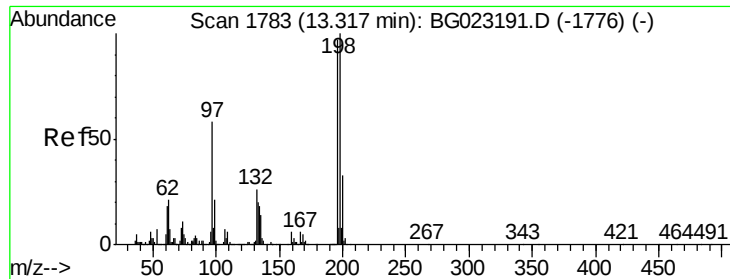
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 65.8  | 49.6  | 74.4  |
| 272     | 9.3   | 9.3   | 13.9  |



#38  
2,4,6-Trichlorophenol  
Concen: 5.89 ng/ul  
RT: 13.24 min Scan# 1770  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 103.5 | 77.4  | 116.0 |
| 200     | 34.0  | 26.6  | 39.8  |

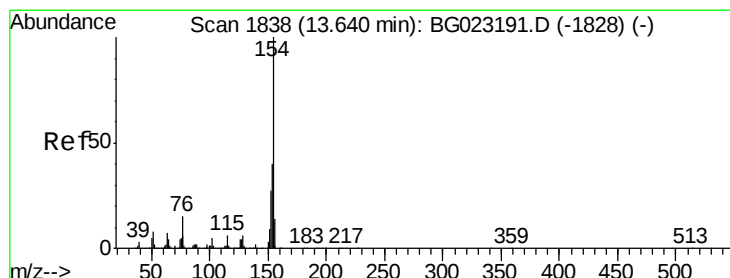
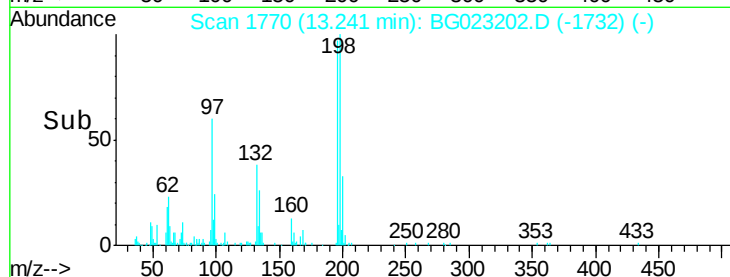
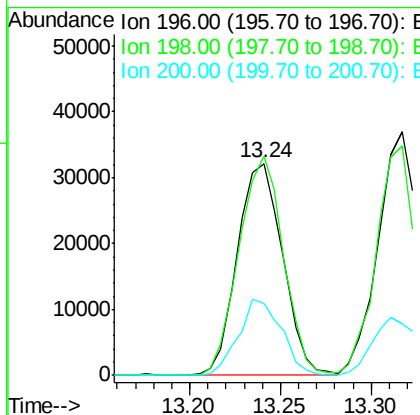
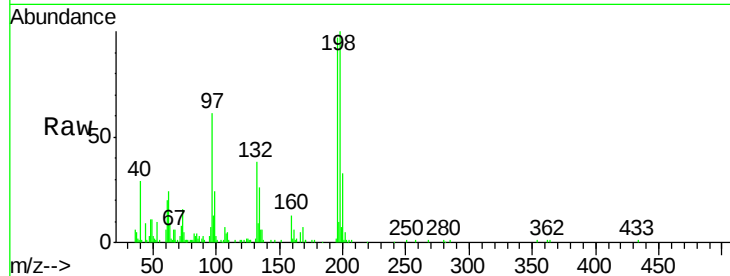




#39  
 2,4,5-Trichlorophenol  
 Concen: 5.77 ng/ul  
 RT: 13.24 min Scan# 1770  
 Delta R.T. -0.08 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

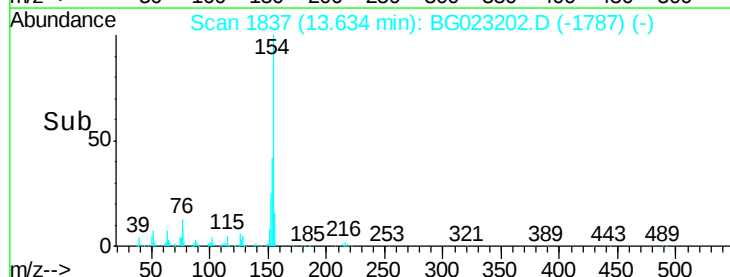
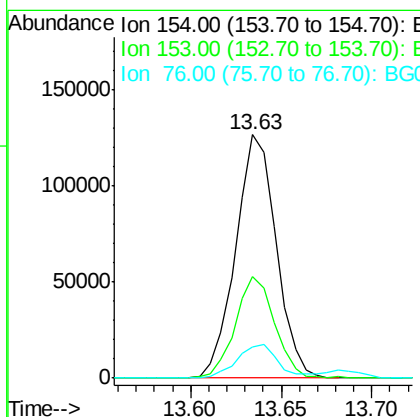
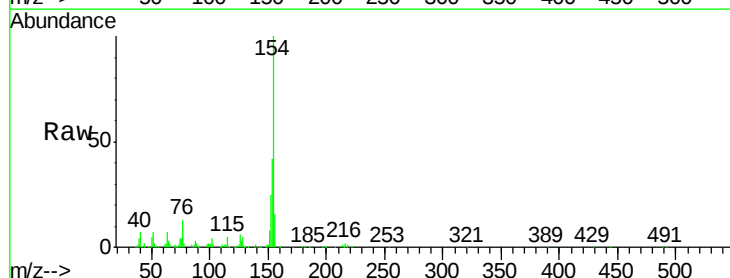
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

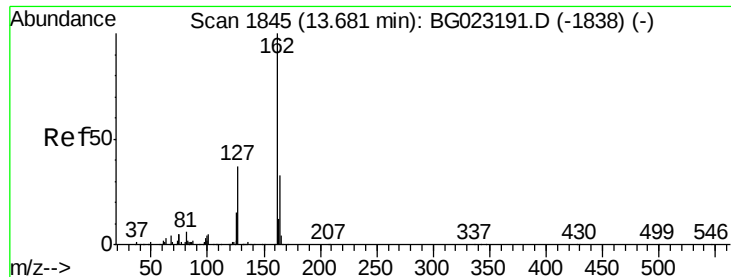
Tgt Ion:196 Resp: 56032  
 Ion Ratio Lower Upper  
 196 100  
 198 103.5 79.8 119.8  
 200 34.0 24.0 36.0



#40  
 1,1'-Biphenyl  
 Concen: 6.35 ng/ul  
 RT: 13.63 min Scan# 1837  
 Delta R.T. -0.01 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:154 Resp: 196190  
 Ion Ratio Lower Upper  
 154 100  
 153 42.0 34.6 52.0  
 76 12.6 11.9 17.9

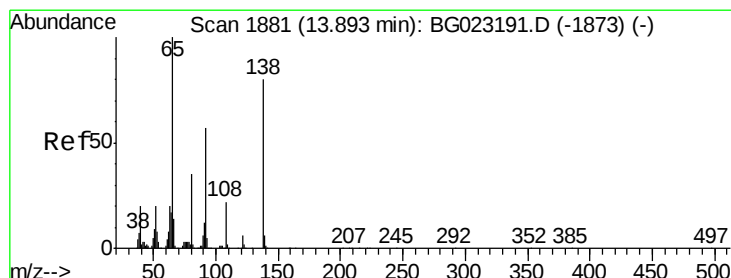
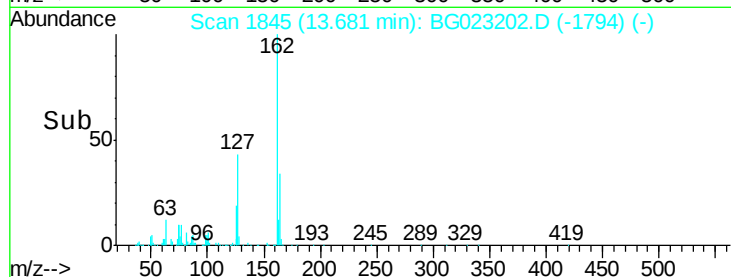
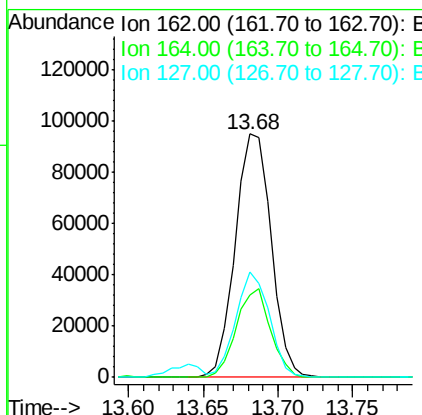
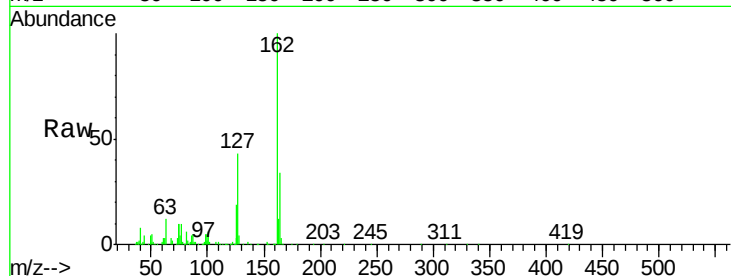




#41  
2-Chloronaphthalene  
Concen: 6.41 ng/ul  
RT: 13.68 min Scan# 1845  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

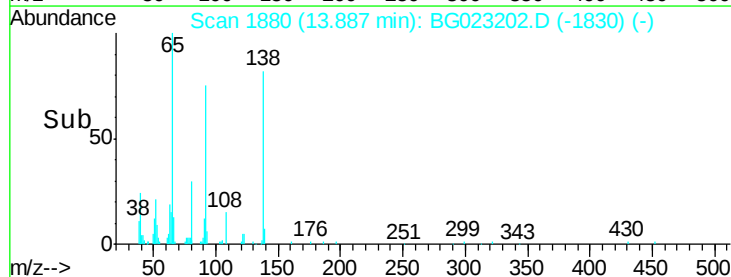
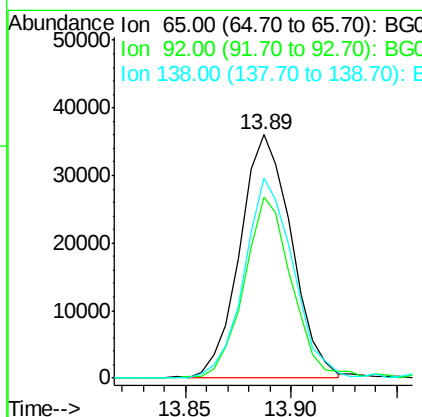
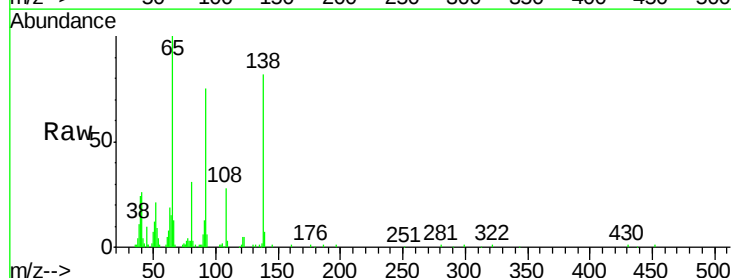
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

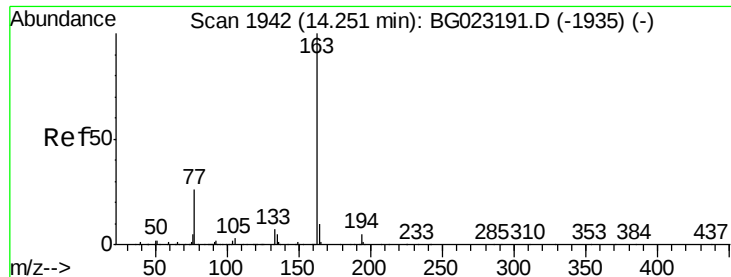
Tgt Ion: 162 Resp: 159565  
Ion Ratio Lower Upper  
162 100  
164 33.8 25.4 38.2  
127 43.1 30.2 45.4



#42  
2-Nitroaniline  
Concen: 5.51 ng/ul  
RT: 13.89 min Scan# 1880  
Delta R.T. -0.01 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

Tgt Ion: 65 Resp: 61086  
Ion Ratio Lower Upper  
65 100  
92 74.5 67.1 100.7  
138 82.1 109.6 164.4#





#44

Dimethylphthalate

Concen: 6.45 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

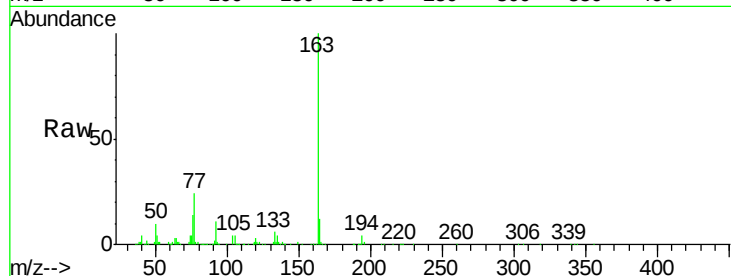
Tgt Ion:163 Resp: 223773

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

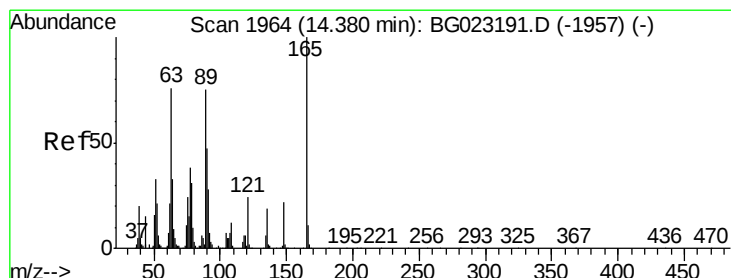
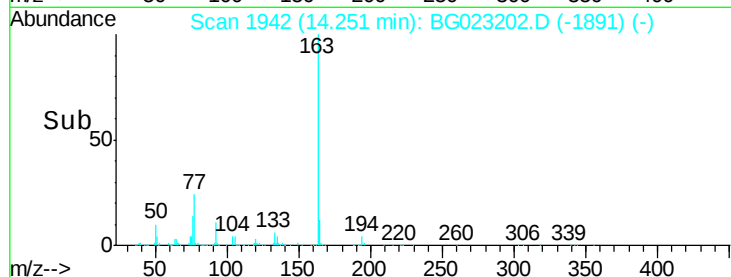
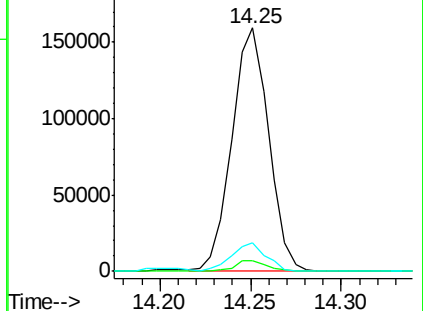
164 11.5 8.8 13.2



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



#45

2,6-Dinitrotoluene

Concen: 5.86 ng/ul

RT: 14.37 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

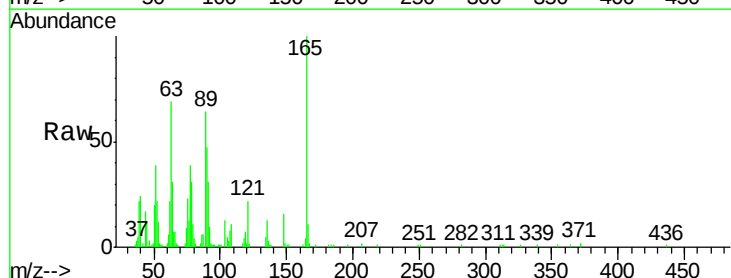
Tgt Ion:165 Resp: 44107

Ion Ratio Lower Upper

165 100

89 64.0 41.5 62.3#

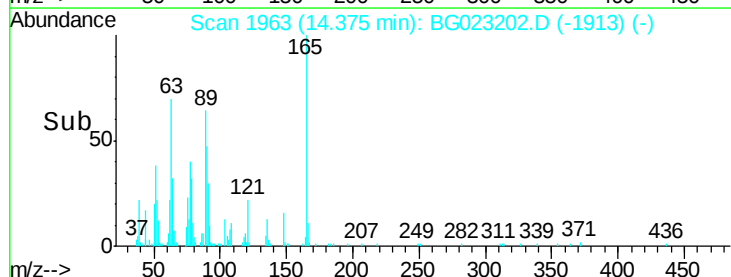
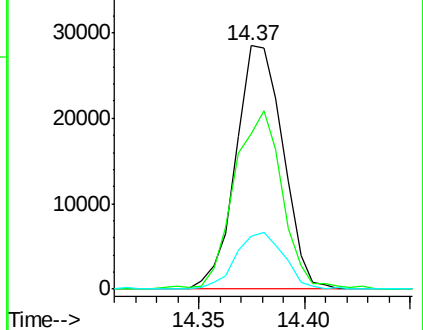
121 21.9 17.0 25.4

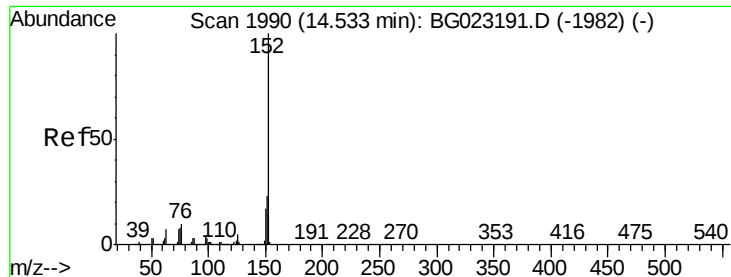


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E

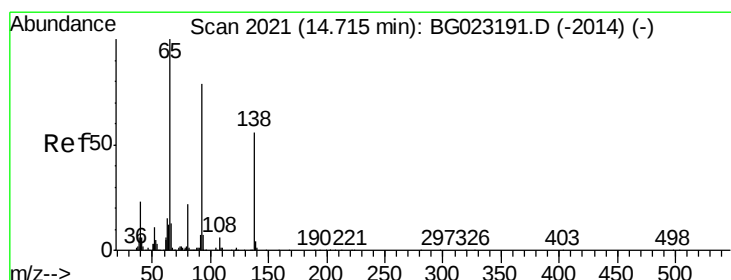
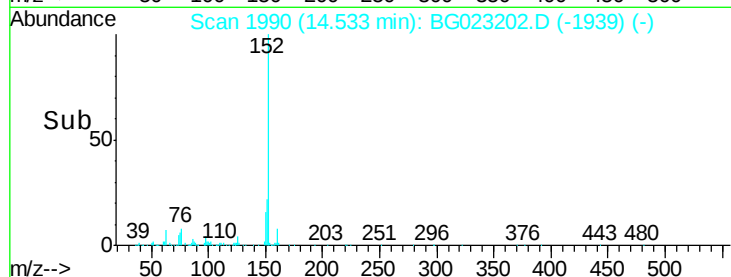
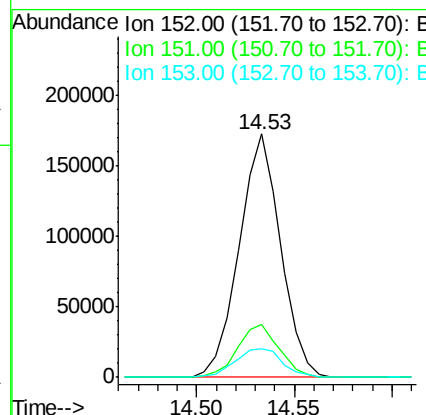
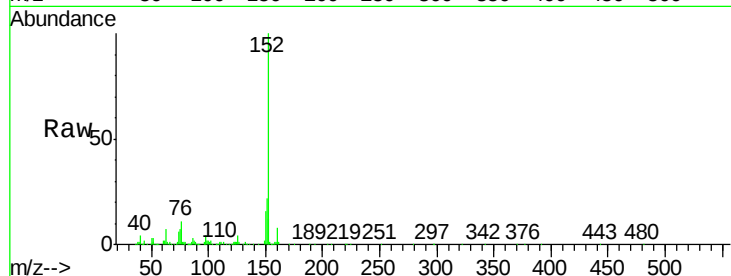




#47  
Acenaphthylene  
Concen: 6.43 ng/ul  
RT: 14.53 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

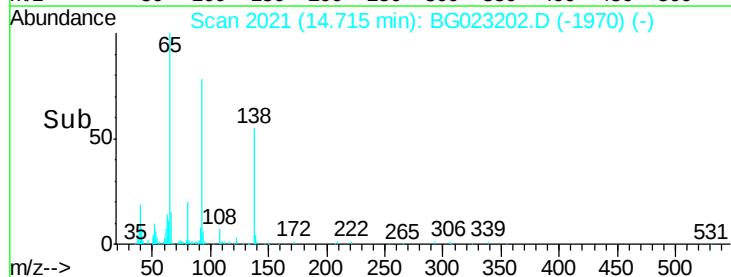
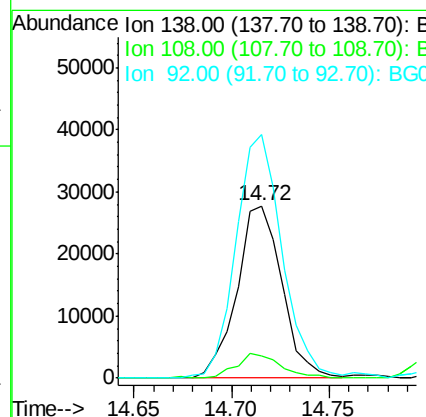
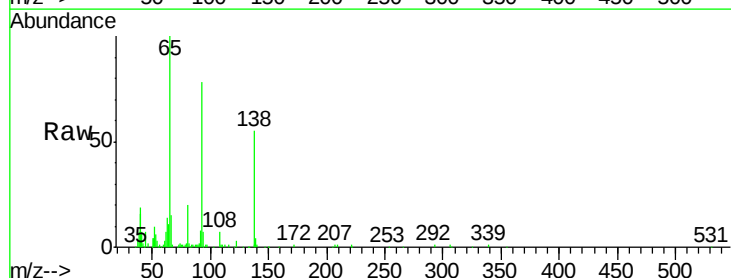
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

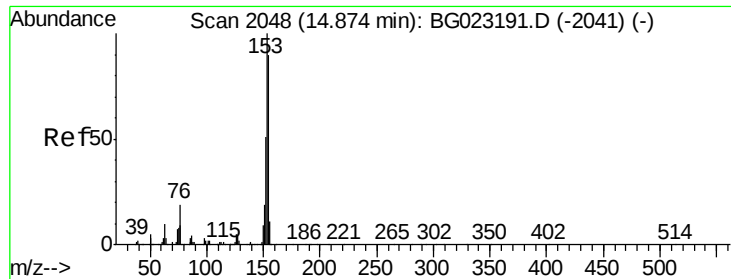
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.7  | 17.5  | 26.3  |
| 153     | 12.0  | 11.1  | 16.7  |



#48  
3-Nitroaniline  
Concen: 6.91 ng/ul  
RT: 14.72 min Scan# 2021  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 108     | 12.8  | 6.2   | 9.2#   |
| 92      | 141.2 | 79.3  | 118.9# |





#49

Acenaphthene

Concen: 6.23 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

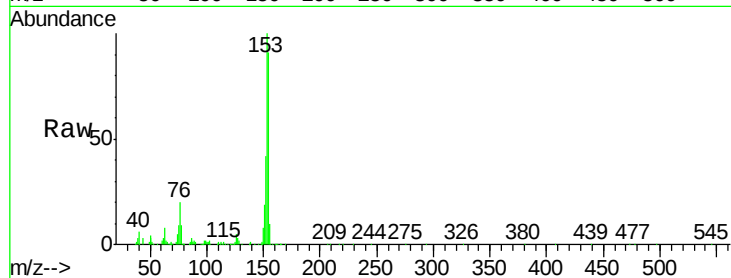
Tgt Ion:153 Resp: 165966

Ion Ratio Lower Upper

153 100

152 41.8 37.3 55.9

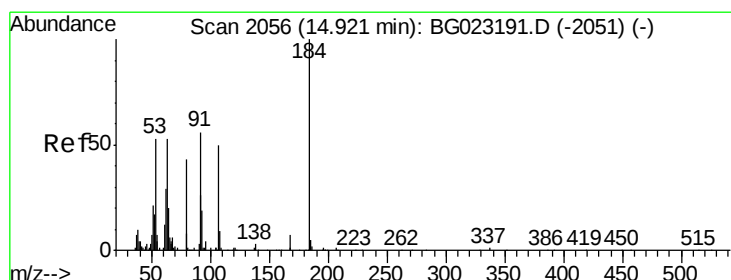
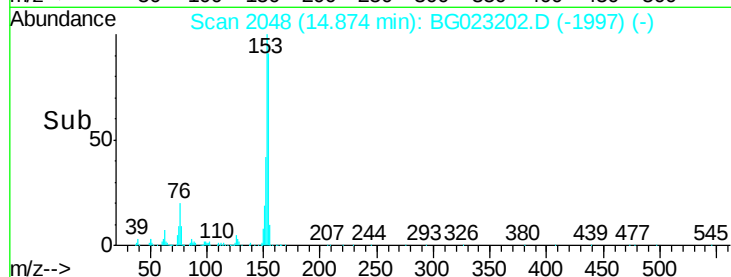
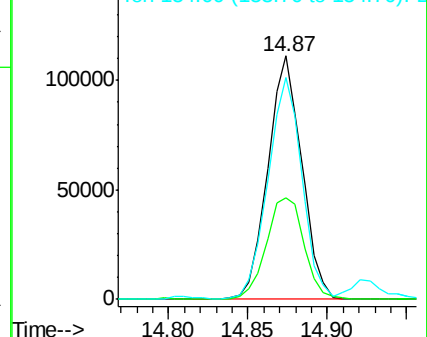
154 90.9 68.2 102.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#50

2,4-Dinitrophenol

Concen: 3.91 ng/ul

RT: 14.92 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

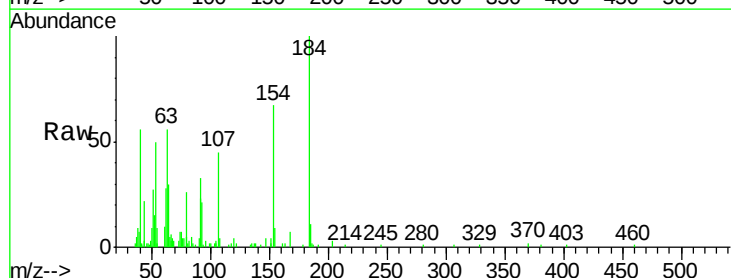
Tgt Ion:184 Resp: 18491

Ion Ratio Lower Upper

184 100

63 55.9 40.5 60.7

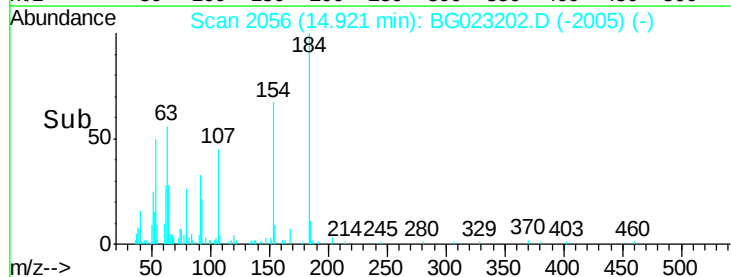
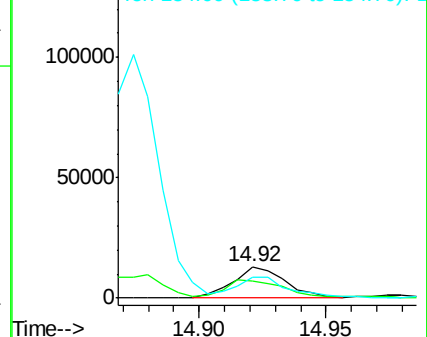
154 67.3 48.5 72.7

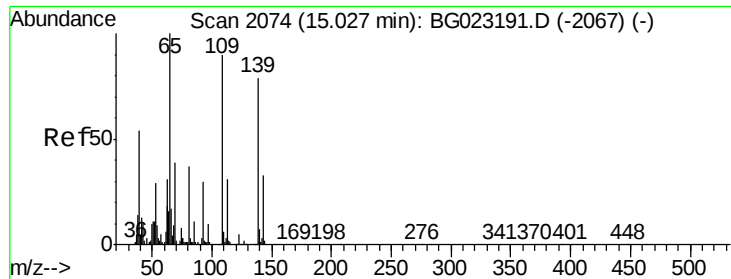


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 6.37 ng/ul

RT: 15.03 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

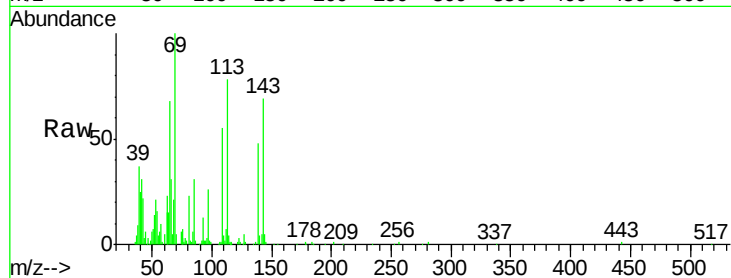
Tgt Ion:109 Resp: 45827

Ion Ratio Lower Upper

109 100

139 88.0 136.1 204.1#

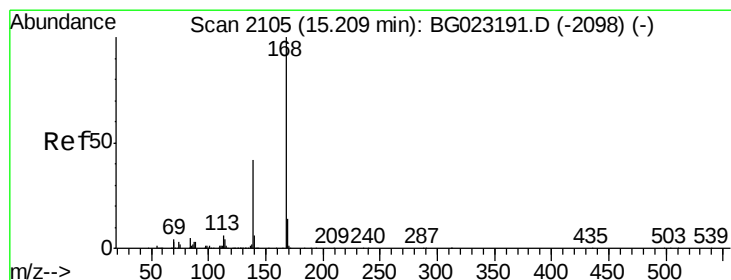
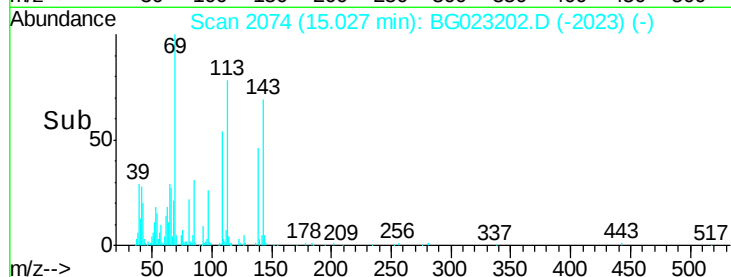
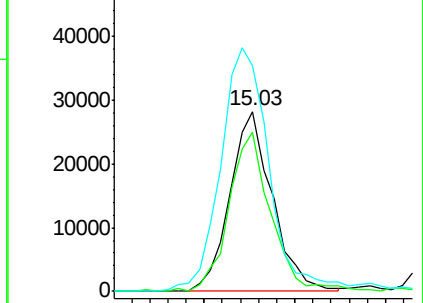
65 125.3 106.0 159.0



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): BGC



#53

Dibenzofuran

Concen: 6.51 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG023202.D

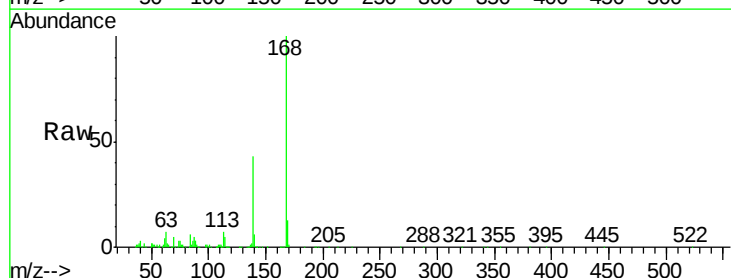
Acq: 21 Jul 2016 00:34

Tgt Ion:168 Resp: 256003

Ion Ratio Lower Upper

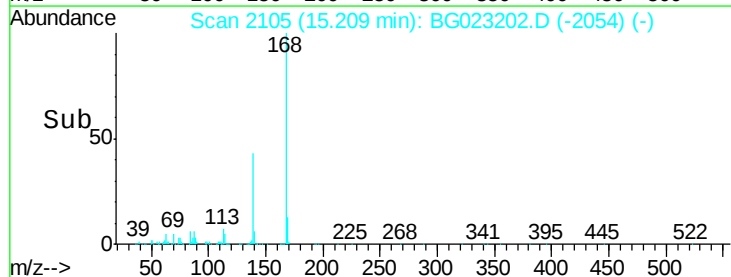
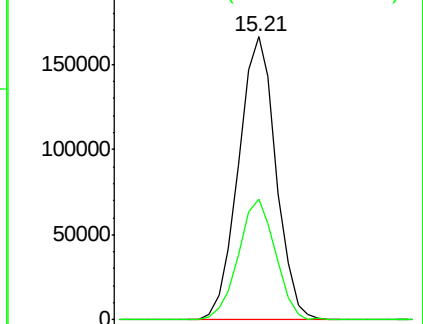
168 100

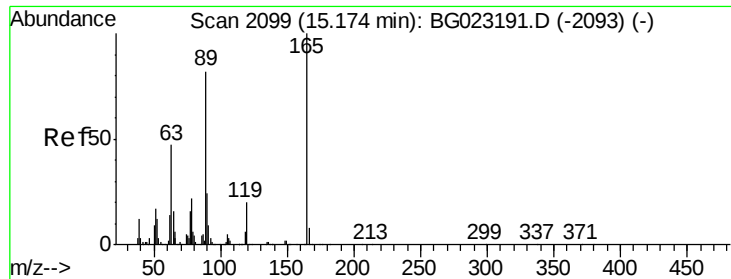
139 42.6 27.4 41.0#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

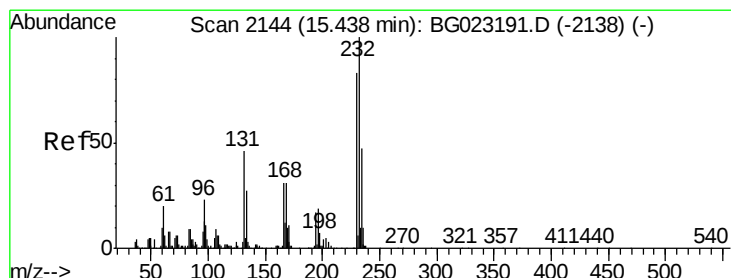
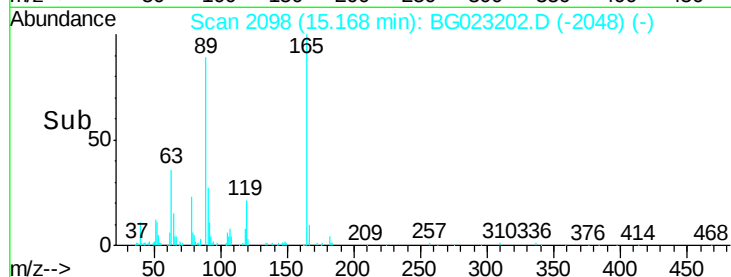
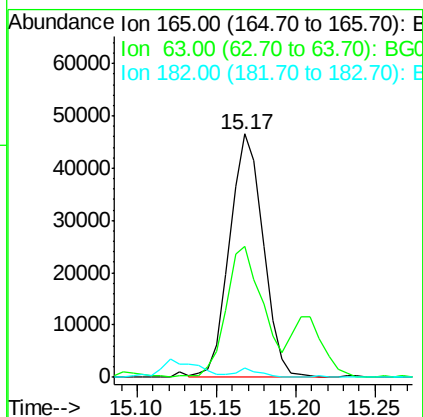
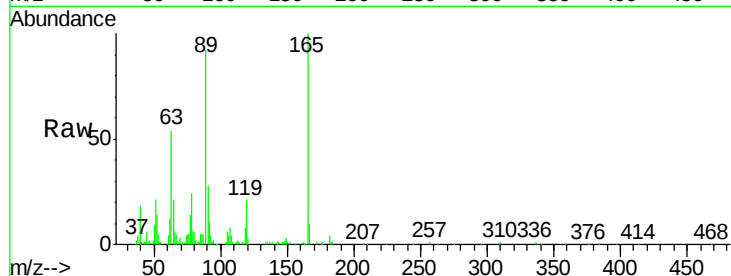




#54  
 2,4-Dinitrotoluene  
 Concen: 5.96 ng/ul  
 RT: 15.17 min Scan# 2098  
 Delta R.T. -0.01 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

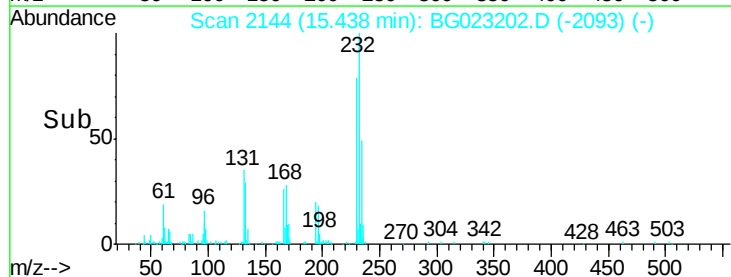
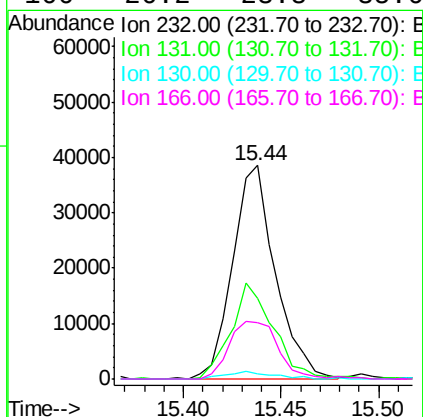
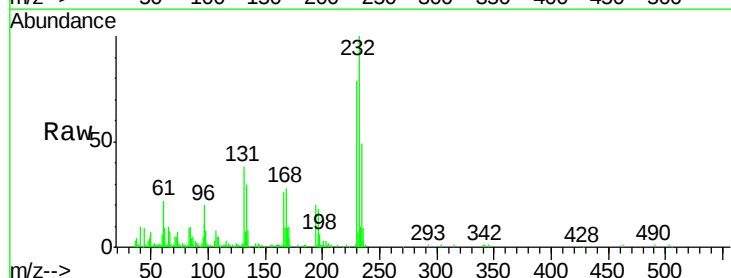
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

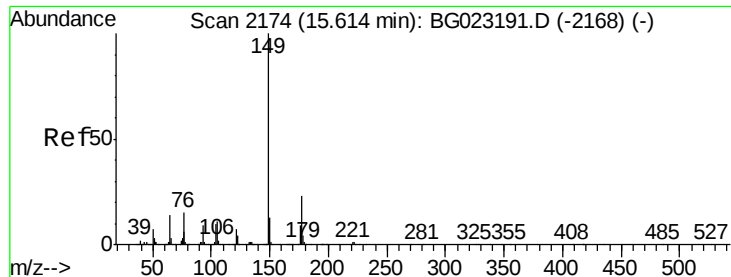
Tgt Ion:165 Resp: 68322  
 Ion Ratio Lower Upper  
 165 100  
 63 53.6 25.7 38.5#  
 182 3.7 2.1 3.1#



#55  
 2,3,4,6-Tetrachlorophenol  
 Concen: 5.95 ng/ul  
 RT: 15.44 min Scan# 2144  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:232 Resp: 58402  
 Ion Ratio Lower Upper  
 232 100  
 131 37.8 34.8 52.2  
 130 2.2 2.2 3.2  
 166 26.2 23.8 35.6

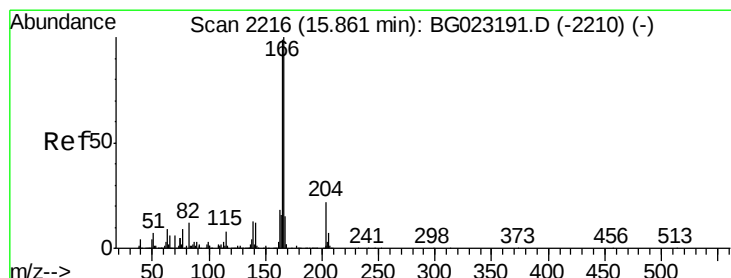
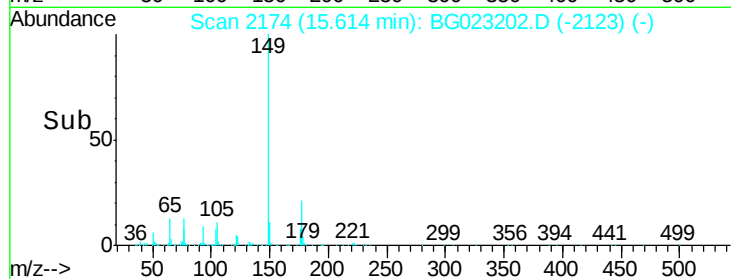
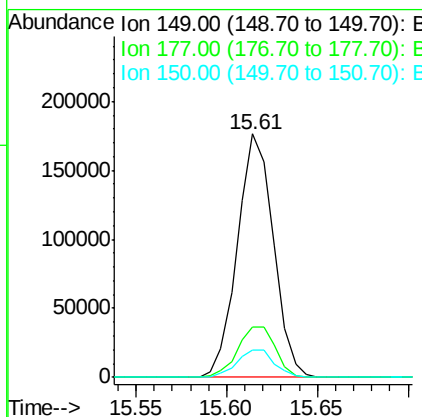
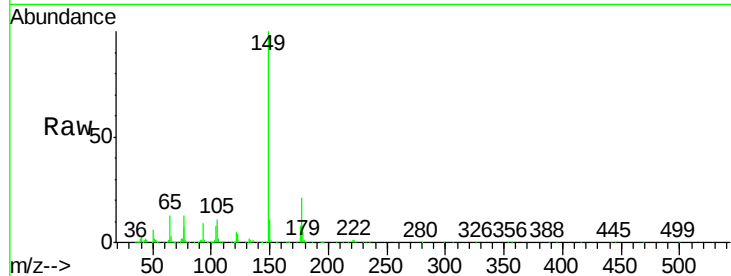




#56  
Diethylphthalate  
Concen: 6.60 ng/ul  
RT: 15.61 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

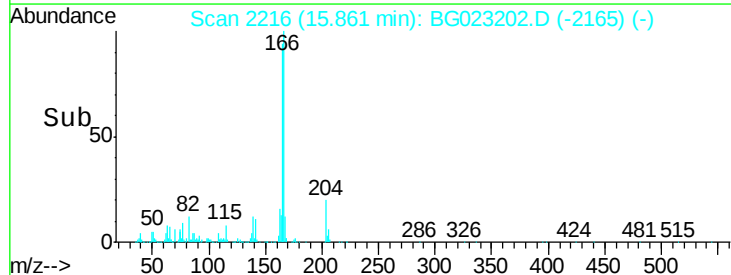
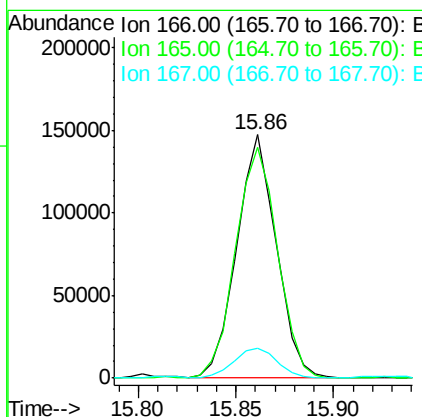
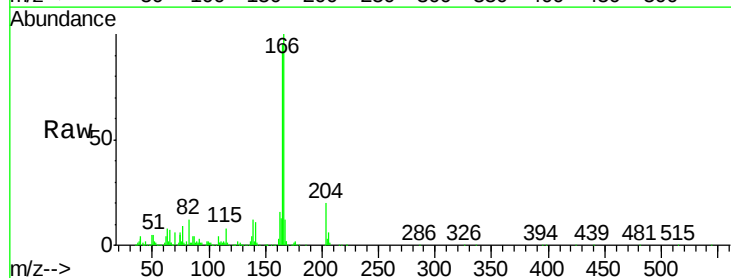
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

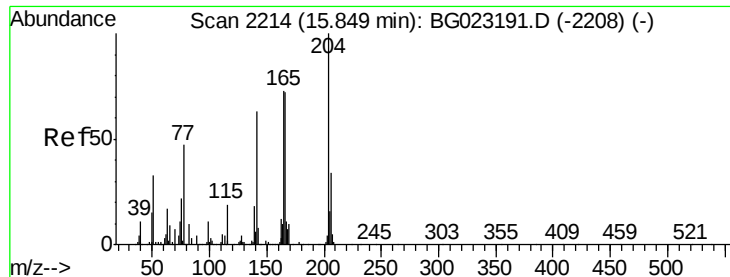
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.7  | 17.4  | 26.2  |
| 150     | 11.4  | 9.6   | 14.4  |



#58  
Fluorene  
Concen: 6.39 ng/ul  
RT: 15.86 min Scan# 2216  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 94.8  | 80.3  | 120.5 |
| 167     | 12.4  | 10.3  | 15.5  |





#59

4-Chlorophenyl-phenylether

Concen: 6.27 ng/ul

RT: 15.85 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

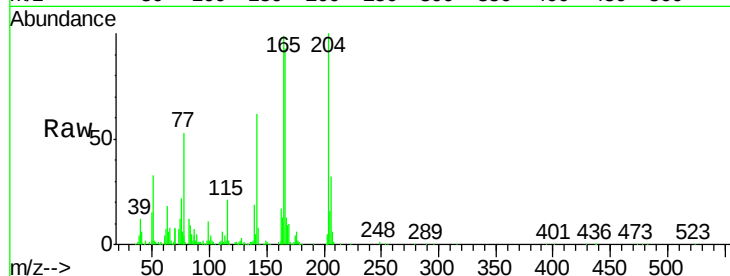
Tgt Ion:204 Resp: 111351

Ion Ratio Lower Upper

204 100

206 32.3 27.4 41.2

141 61.9 47.1 70.7

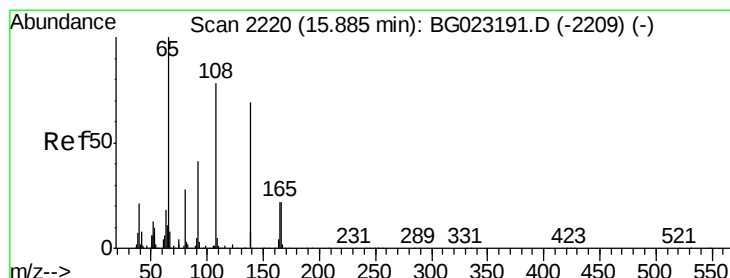
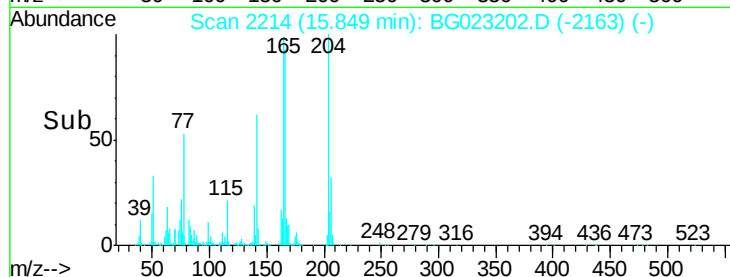
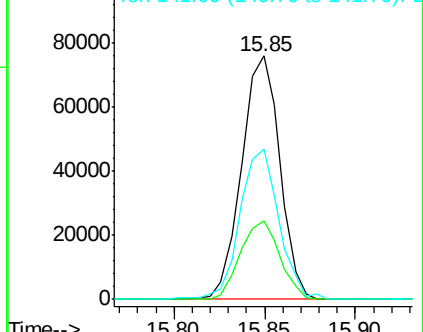


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#60

4-Nitroaniline

Concen: 6.52 ng/ul

RT: 15.88 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

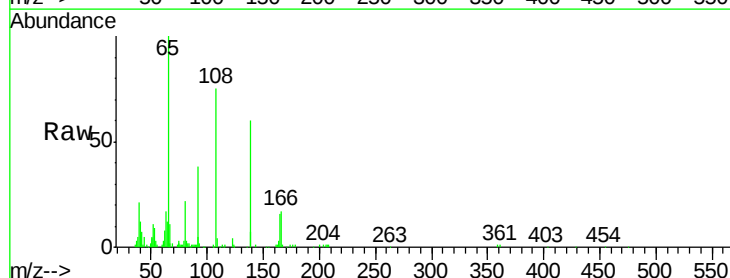
Tgt Ion:138 Resp: 51577

Ion Ratio Lower Upper

138 100

92 63.3 39.0 58.4#

108 124.6 49.2 73.8#

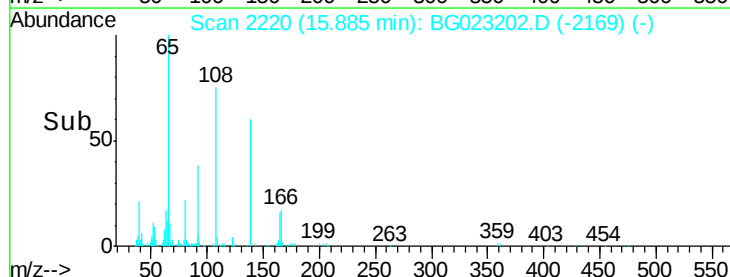
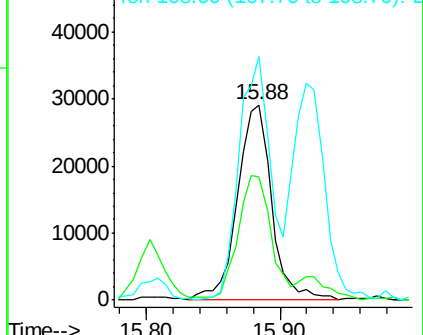


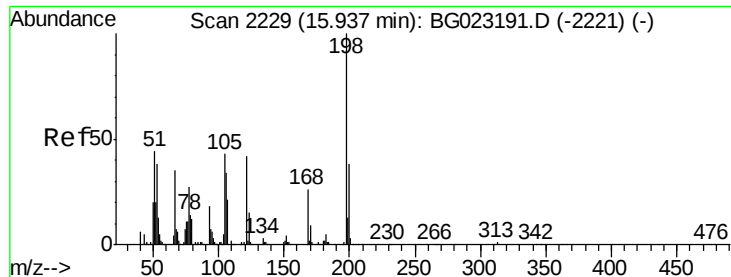
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

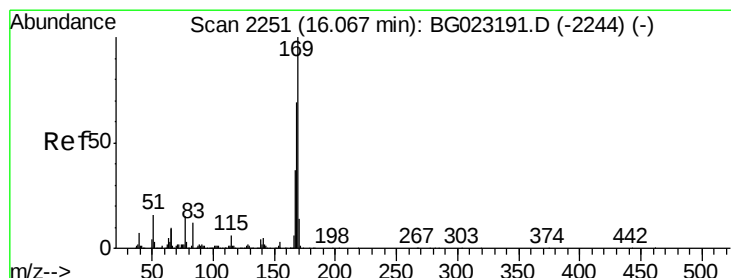
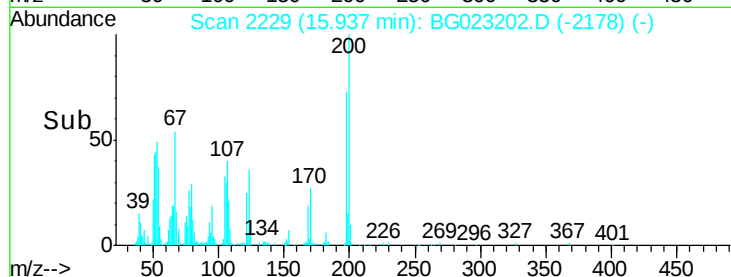
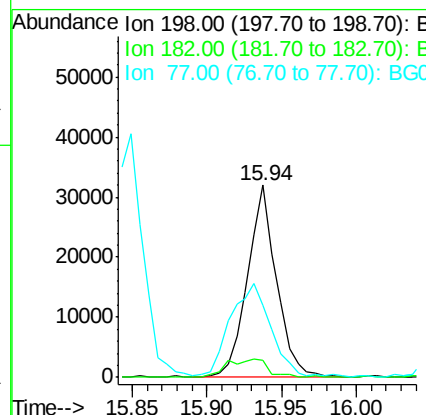
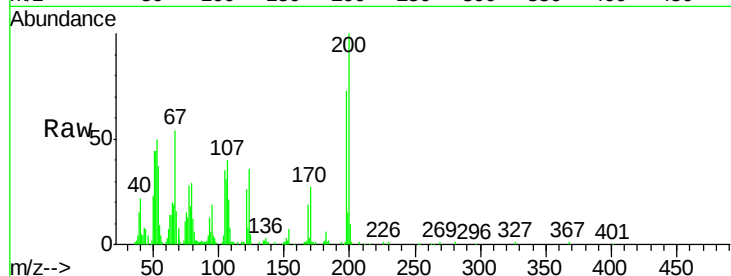




#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.81 ng/ul  
 RT: 15.94 min Scan# 2229  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

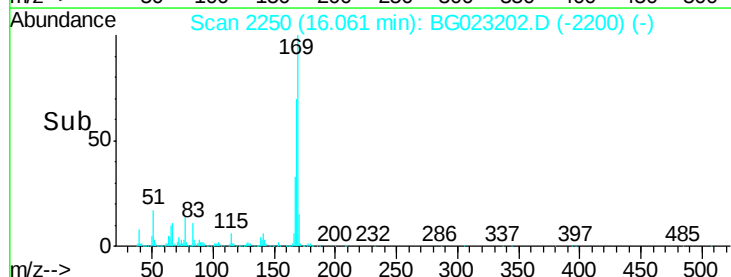
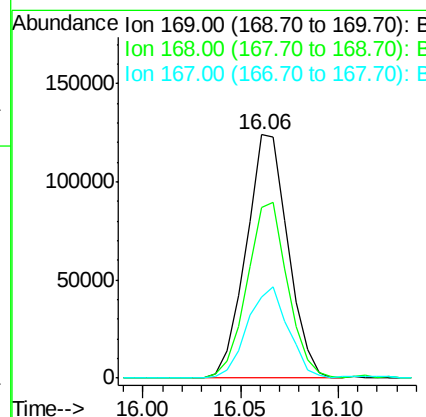
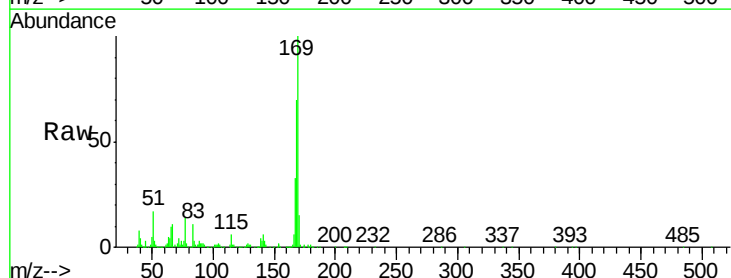
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

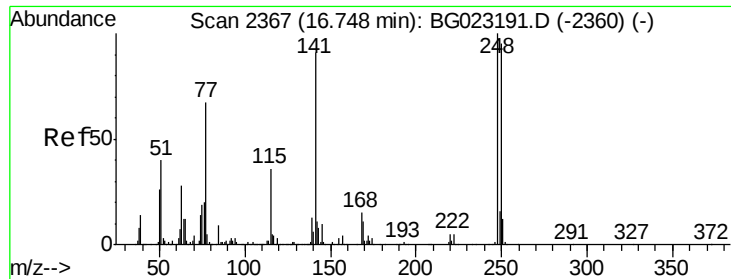
Tgt Ion:198 Resp: 43055  
 Ion Ratio Lower Upper  
 198 100  
 182 8.7 4.2 6.2#  
 77 37.8 16.7 25.1#



#64  
 N-Nitrosodiphenylamine  
 Concen: 6.26 ng/ul  
 RT: 16.06 min Scan# 2250  
 Delta R.T. -0.01 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:169 Resp: 184192  
 Ion Ratio Lower Upper  
 169 100  
 168 70.0 59.0 88.6  
 167 33.3 30.6 46.0

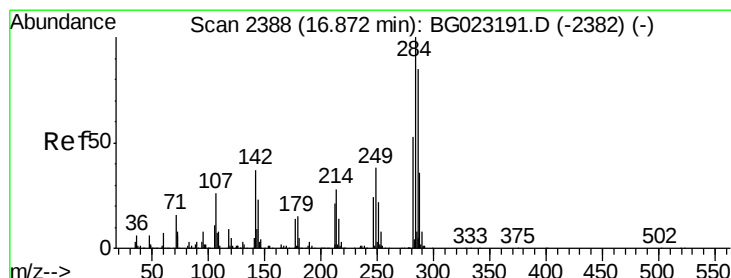
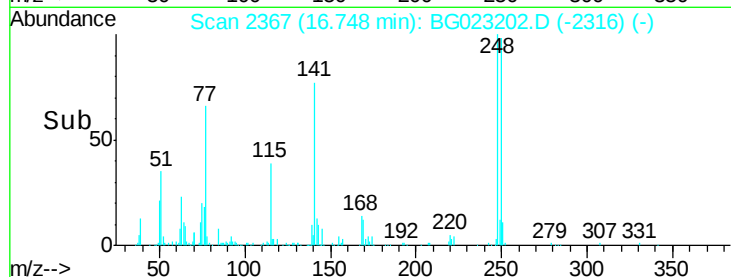
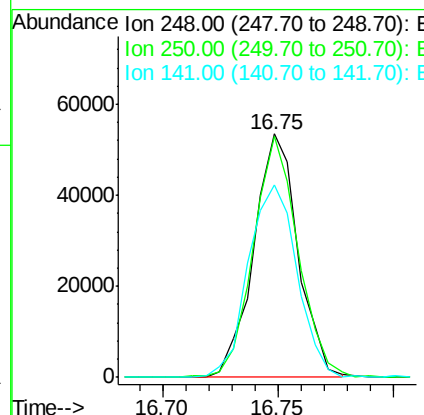
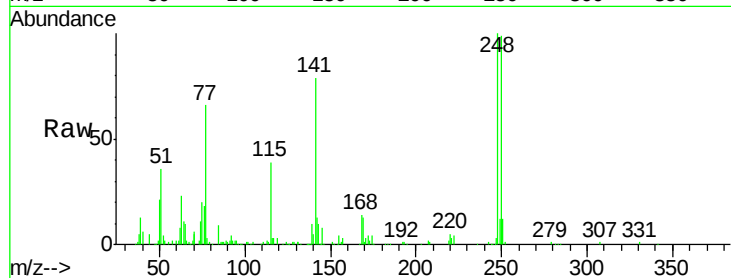




#65  
4-Bromophenyl-phenylether  
Concen: 6.10 ng/ul  
RT: 16.75 min Scan# 2367  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

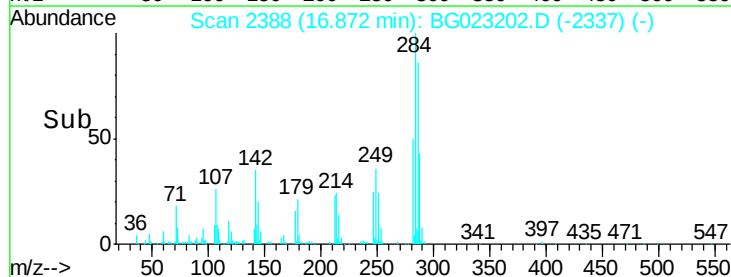
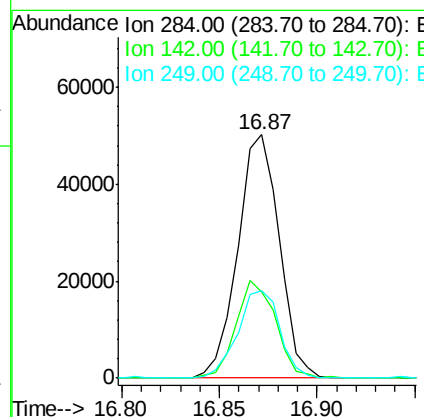
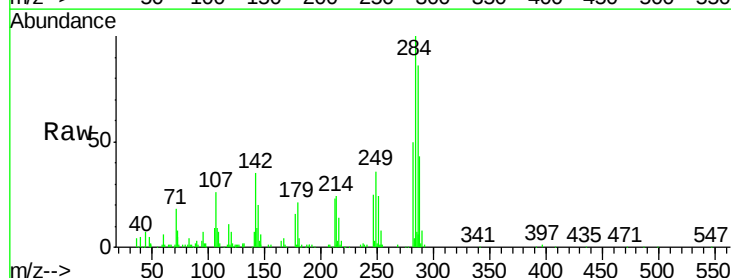
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-03-W

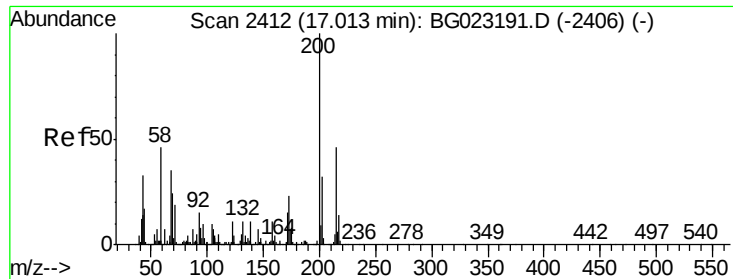
Tgt Ion:248 Resp: 71419  
Ion Ratio Lower Upper  
248 100  
250 98.8 76.6 114.8  
141 78.8 61.8 92.6



#66  
Hexachlorobenzene  
Concen: 6.15 ng/ul  
RT: 16.87 min Scan# 2388  
Delta R.T. 0.00 min  
Lab File: BG023202.D  
Acq: 21 Jul 2016 00:34

Tgt Ion:284 Resp: 73781  
Ion Ratio Lower Upper  
284 100  
142 35.3 27.8 41.8  
249 35.8 24.4 36.6

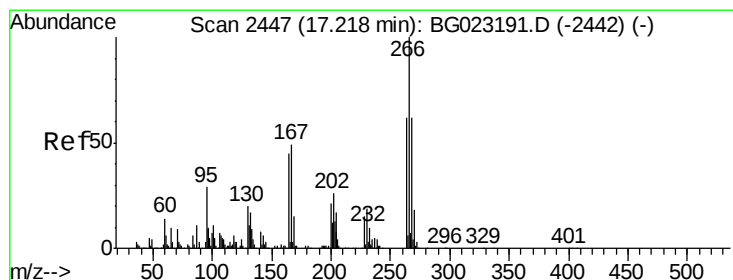
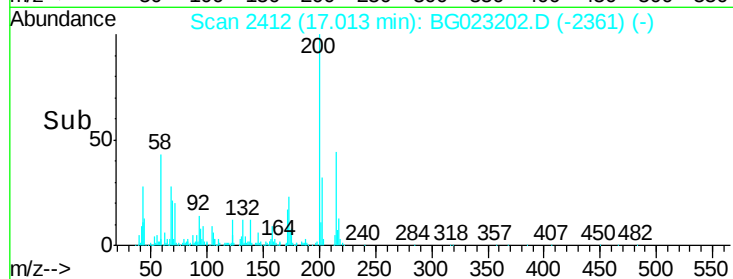
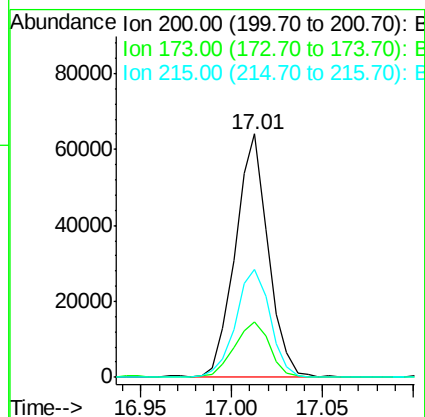
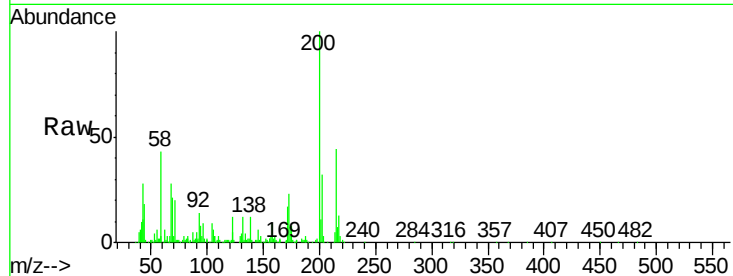




#67  
 Atrazine  
 Concen: 6.45 ng/ul  
 RT: 17.01 min Scan# 2412  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

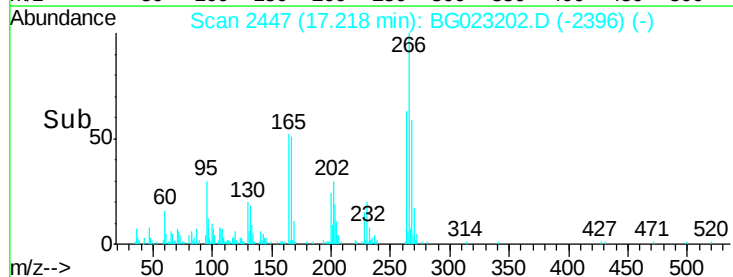
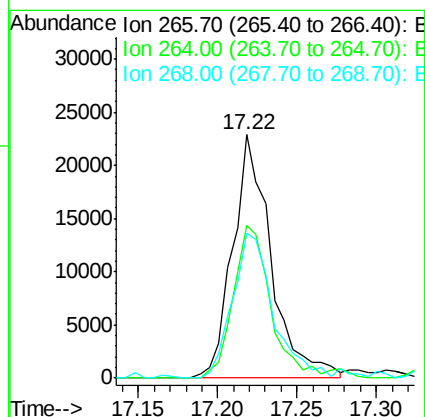
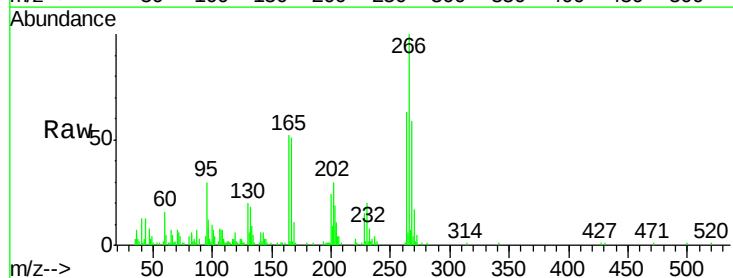
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-03-W

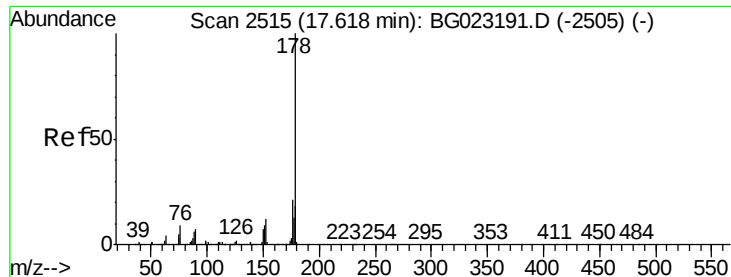
Tgt Ion:200 Resp: 80862  
 Ion Ratio Lower Upper  
 200 100  
 173 23.0 21.0 31.6  
 215 44.1 37.9 56.9



#68  
 Pentachlorophenol  
 Concen: 5.16 ng/ul  
 RT: 17.22 min Scan# 2447  
 Delta R.T. 0.00 min  
 Lab File: BG023202.D  
 Acq: 21 Jul 2016 00:34

Tgt Ion:266 Resp: 38389  
 Ion Ratio Lower Upper  
 266 100  
 264 62.6 54.7 82.1  
 268 59.4 57.8 86.8





#69

Phenanthrene

Concen: 6.83 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

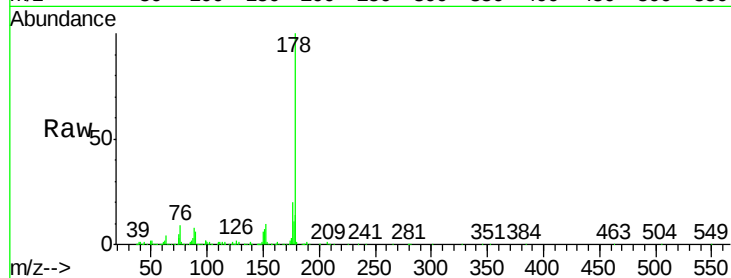
Tgt Ion:178 Resp: 358079

Ion Ratio Lower Upper

178 100

179 14.3 12.9 19.3

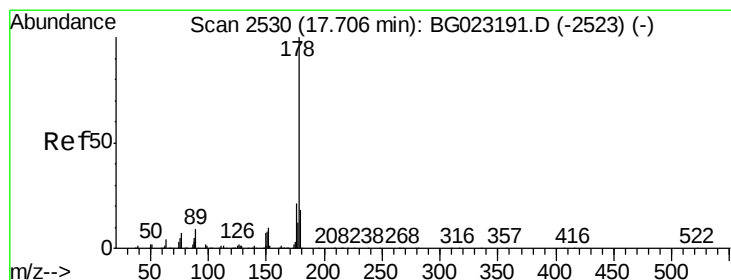
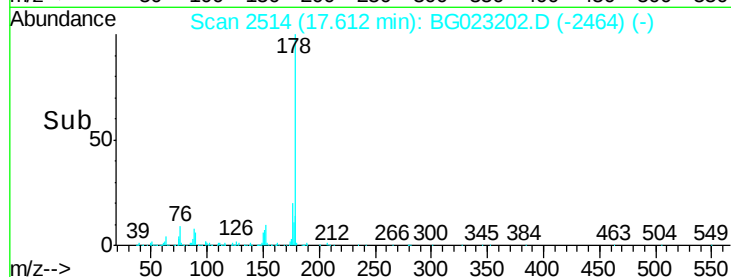
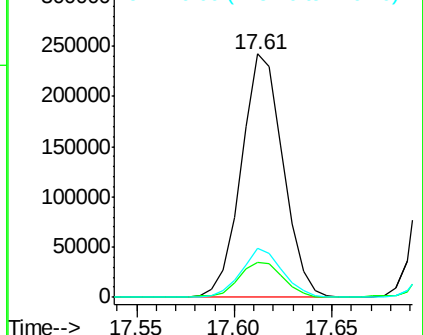
176 20.0 15.8 23.8



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



#71

Anthracene

Concen: 6.87 ng/ul

RT: 17.71 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

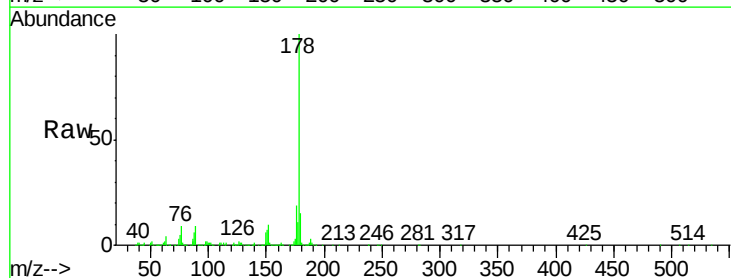
Tgt Ion:178 Resp: 377308

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

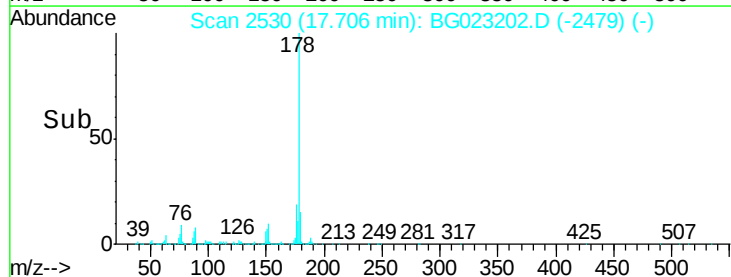
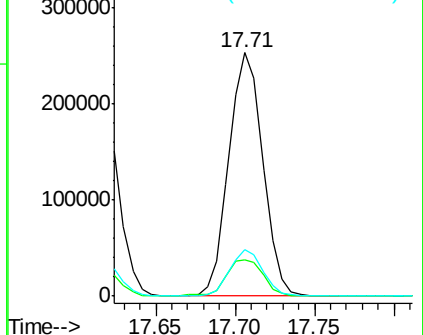
176 18.9 16.3 24.5

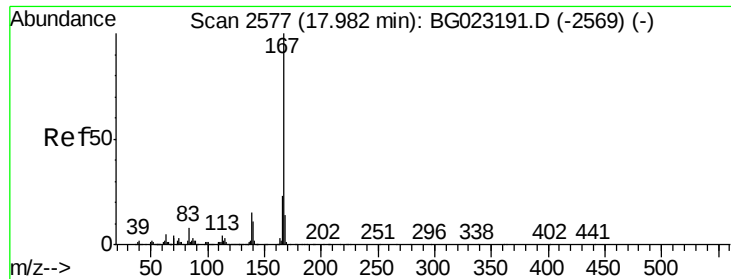


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 7.11 ng/ul

RT: 17.98 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

Instrument :

BNA\_G

ClientSampleId :

MDL-03-W

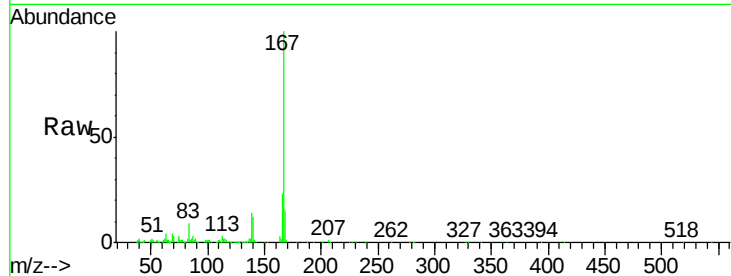
Tgt Ion:167 Resp: 307464

Ion Ratio Lower Upper

167 100

166 23.1 19.2 28.8

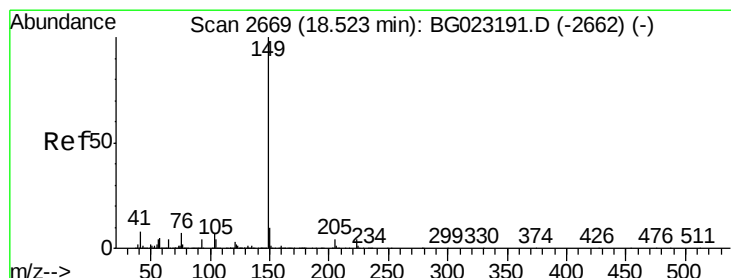
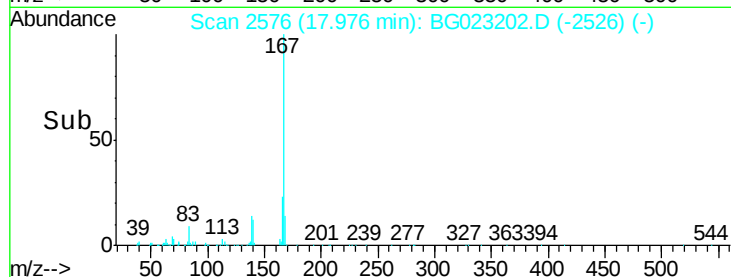
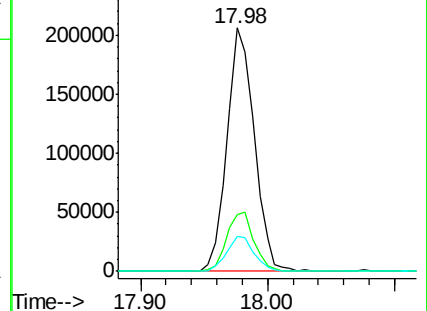
139 14.3 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 6.81 ng/ul

RT: 18.52 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BG023202.D

Acq: 21 Jul 2016 00:34

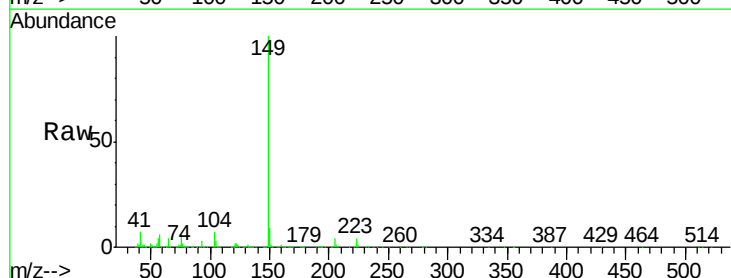
Tgt Ion:149 Resp: 408163

Ion Ratio Lower Upper

149 100

150 9.4 7.1 10.7

104 7.2 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

