

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041917\  
 Data File : BG026660.D  
 Acq On : 19 Apr 2017 17:33  
 Operator : SJ/MA  
 Sample : PB98331BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 20 01:01:36 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 153375   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.83 | 136  | 644664   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.63 | 164  | 367647   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.37 | 188  | 951302   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.61 | 240  | 1248156  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 24.78 | 264  | 1201100  | 20.00 | ng    | -0.04    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 1233032  | 146.15 | ng    | -0.02    |
| 7) Phenol-d6                | 7.19  | 99   | 1558941  | 141.01 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 818494   | 88.59  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.11 | 330  | 674705   | 131.71 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 2220847  | 89.97  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.97 | 244  | 3577974  | 84.63  | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88   | 160      | 0.04 | ng    | # 1    |
| 3) Pyridine                    | 3.85  | 79   | 74       | 0.01 | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.80  | 42   | 234      | 0.08 | ng    | # 1    |
| 6) Aniline                     | 7.36  | 93   | 902      | 0.07 | ng    | # 71   |
| 8) 2-Chlorophenol              | 7.58  | 128  | 1014     | 0.10 | ng    | # 1    |
| 9) Benzaldehyde                | 7.20  | 77   | 1828     | 0.24 | ng    | # 10   |
| 10) Phenol                     | 7.18  | 94   | 255      | 0.02 | ng    | # 1    |
| 11) bis(2-Chloroethyl)ether    | 7.47  | 93   | 54       | 0.01 | ng    | # 11   |
| 12) 1,3-Dichlorobenzene        | 8.02  | 146  | 57       | 0.00 | ng    | # 1    |
| 13) 1,4-Dichlorobenzene        | 8.05  | 146  | 61       | 0.01 | ng    | # 23   |
| 14) 1,2-Dichlorobenzene        | 8.38  | 146  | 57       | 0.01 | ng    | # 21   |
| 15) Benzyl Alcohol             | 8.35  | 79   | 12912    | 1.87 | ng    | # 54   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.52  | 45   | 81       | 0.01 | ng    | # 74   |
| 17) 2-Methylphenol             | 8.46  | 107  | 54       | 0.01 | ng    | # 9    |
| 19) n-Nitroso-di-n-propylamine | 8.75  | 70   | 66       | 0.01 | ng    | # 29   |
| 20) 3+4-Methylphenols          | 8.88  | 107  | 82       | 0.01 | ng    | # 18   |
| 22) Acetophenone               | 8.82  | 105  | 126      | 0.01 | ng    | # 41   |
| 24) Nitrobenzene               | 9.19  | 77   | 2316     | 0.24 | ng    | # 51   |
| 25) Isophorone                 | 9.75  | 82   | 336      | 0.02 | ng    | # 67   |
| 27) 2,4-Dimethylphenol         | 9.99  | 122  | 65       | 0.01 | ng    | # 1    |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180  | 74       | 0.01 | ng    | # 12   |
| 31) Naphthalene                | 10.86 | 128  | 66       | 0.00 | ng    | # 67   |
| 32) Benzoic acid               | 10.06 | 122  | 81       | 9.02 | ng    | # 1    |
| 33) 4-Chloroaniline            | 11.06 | 127  | 325      | 0.02 | ng    | # 65   |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107  | 96       | 0.01 | ng    | # 25   |
| 37) 2-Methylnaphthalene        | 12.44 | 142  | 56       | 0.00 | ng    | # 14   |
| 45) 1,1'-Biphenyl              | 13.26 | 154  | 4372     | 0.15 | ng    | # 1    |
| 46) 2-Chloronaphthalene        | 13.49 | 162  | 66       | 0.00 | ng    | # 38   |
| 47) 2-Nitroaniline             | 13.56 | 65   | 87       | 0.02 | ng    | # 16   |
| 49) Dimethylphthalate          | 14.18 | 163  | 57       | 0.00 | ng    | # 74   |
| 50) 2,6-Dinitrotoluene         | 14.42 | 165  | 54       | 0.01 | ng    | # 11   |
| 51) Acenaphthene               | 14.64 | 154  | 1545     | 0.07 | ng    | # 6    |
| 55) 4-Nitrophenol              | 14.97 | 139  | 61       | 0.01 | ng    | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.10 | 165  | 71       | 0.01 | ng    | # 16   |

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 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

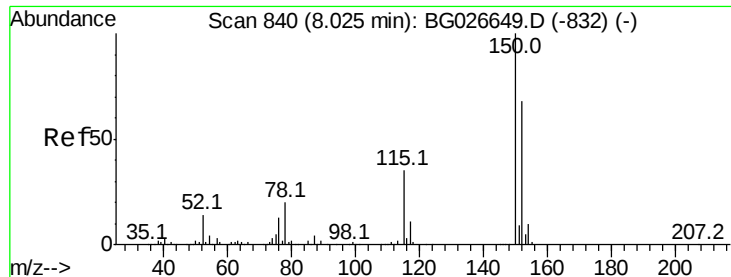
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 20 01:01:36 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| -----                          |       |      |          |      |       |          |
| 59) Diethylphthalate           | 15.43 | 149  | 54       | 0.00 | nq    | # 56     |
| 61) 4-Nitroaniline             | 15.59 | 138  | 54       | 0.01 | nq    | # 1      |
| 62) Azobenzene                 | 16.11 | 77   | 2436     | 0.11 | nq    | # 41     |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 58       | 0.01 | nq    | # 36     |
| 65) n-Nitrosodiphenylamine     | 16.11 | 169  | 21546    | 0.79 | nq    | # 43     |
| 66) 4-Bromophenyl-phenylether  | 16.59 | 248  | 72       | 0.01 | nq    | # 8      |
| 67) Hexachlorobenzene          | 16.50 | 284  | 72       | 0.01 | nq    | # 38     |
| 69) Pentachlorophenol          | 16.82 | 266  | 64       | 0.01 | nq    | # 20     |
| 70) Phenanthrene               | 17.41 | 178  | 69       | 0.00 | nq    | # 56     |
| 71) Anthracene                 | 17.41 | 178  | 69       | 0.00 | nq    | # 58     |
| 72) Carbazole                  | 17.77 | 167  | 56       | 0.00 | nq    | # 1      |
| 73) Di-n-butylphthalate        | 18.32 | 149  | 3004     | 0.06 | nq    | # 73     |
| 76) Benzidine                  | 19.60 | 184  | 194      | 3.72 | nq    | # 12     |
| 77) Pyrene                     | 19.97 | 202  | 14498    | 0.22 | nq    | # 77     |
| 79) Butylbenzylphthalate       | 20.64 | 149  | 444      | 0.02 | nq    | # 19     |
| 80) Benzo(a)anthracene         | 21.61 | 228  | 3120     | 0.05 | nq    | # 56     |
| 81) 3,3'-Dichlorobenzidine     | 21.48 | 252  | 116      | 0.00 | nq    | # 1      |
| 82) Chrysene                   | 21.61 | 228  | 3120     | 0.05 | nq    | # 53     |
| 83) Bis(2-ethylhexyl)phthalate | 21.50 | 149  | 490      | 0.01 | nq    | # 76     |
| 84) Di-n-octyl phthalate       | 22.67 | 149  | 296      | 0.00 | nq    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 28.44 | 276  | 81       | 0.00 | nq    | # 1      |
| 87) Benzo(b)fluoranthene       | 23.78 | 252  | 81       | 0.00 | nq    | # 1      |
| 88) Benzo(k)fluoranthene       | 23.82 | 252  | 66       | 0.00 | nq    | # 1      |
| 89) Benzo(a)pyrene             | 24.79 | 252  | 4825     | 0.07 | nq    | # 62     |
| 90) Dibenzo(a,h)anthracene     | 28.48 | 278  | 119      | 0.00 | nq    | # 58     |
| 91) Benzo(g,h,i)perylene       | 29.54 | 276  | 94       | 0.00 | nq    | # 59     |
| -----                          |       |      |          |      |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

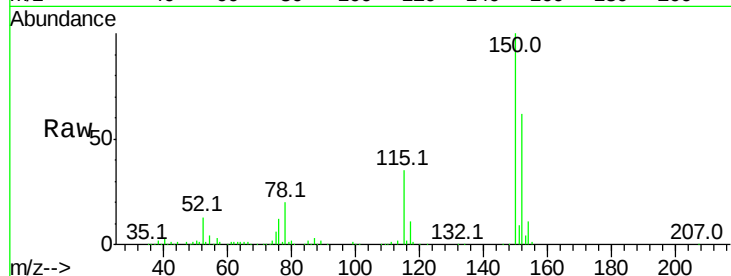
Tot Ion:152 Resp: 153375

Ion Ratio Lower Upper

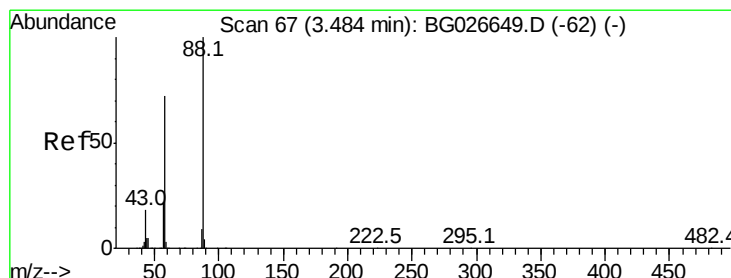
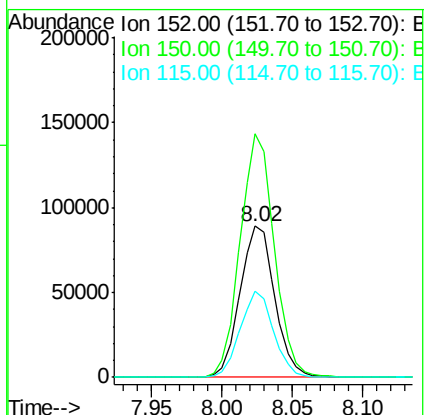
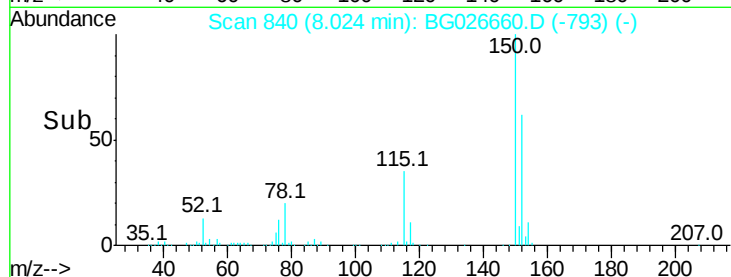
152 100

150 161.2 114.0 171.0

115 57.1 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.04 ng

RT: 3.50 min Scan# 70

Delta R.T. -0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

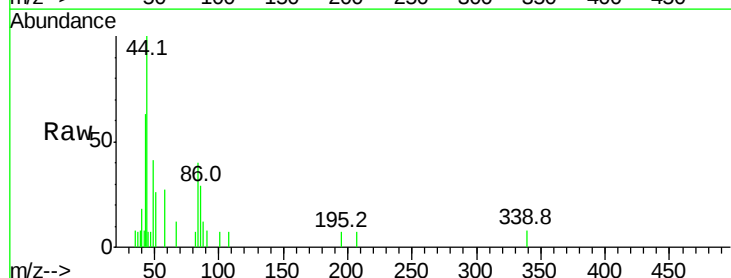
Tgt Ion: 88 Resp: 160

Ion Ratio Lower Upper

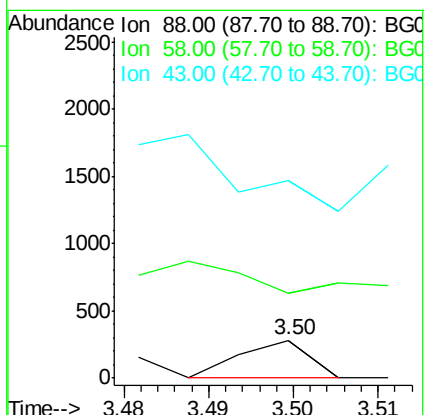
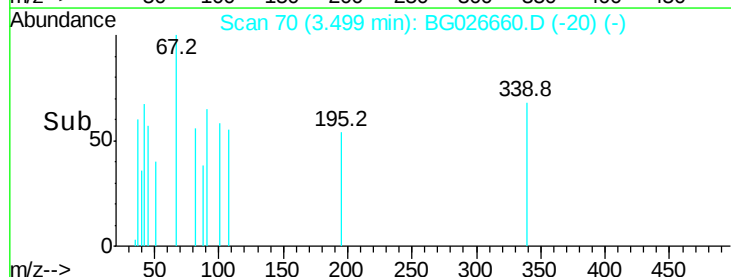
88 100

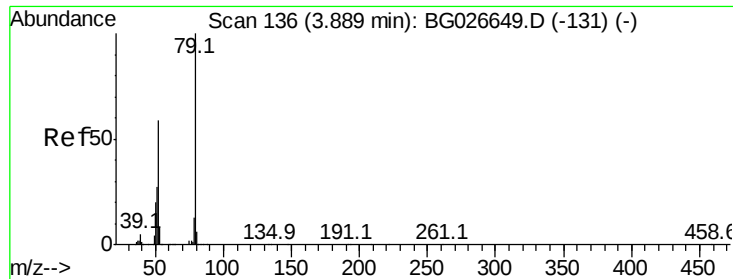
58 249.4 79.4 119.2#

43 1383.8 33.8 50.6#



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.01 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.06 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

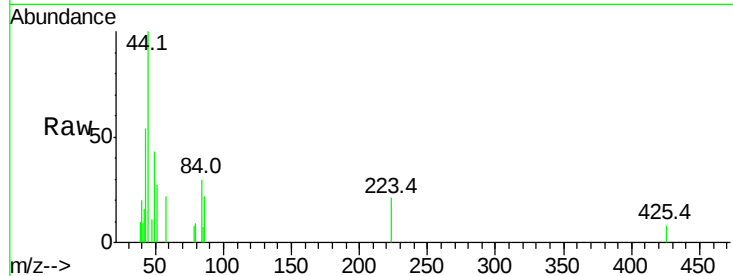
Tot Ion: 79 Resp: 74

Ion Ratio Lower Upper

79 100

52 0.0 77.8 116.6#

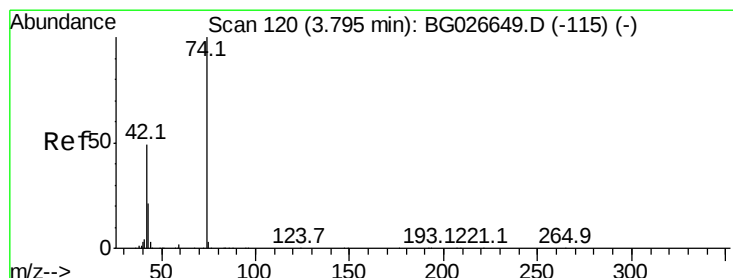
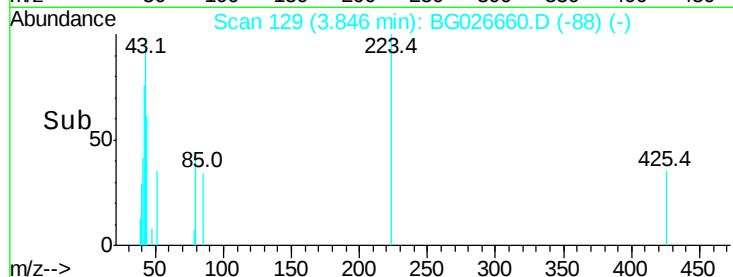
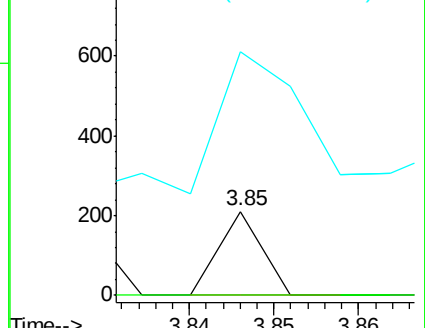
51 289.6 43.2 64.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.80 min Scan# 122

Delta R.T. -0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

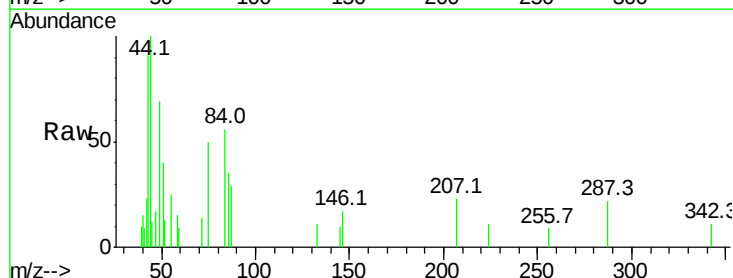
Tgt Ion: 42 Resp: 234

Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

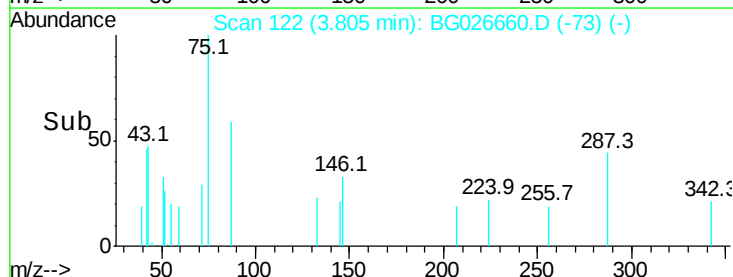
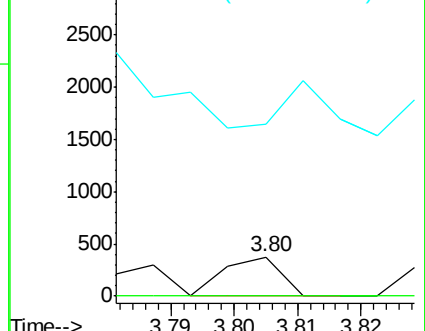
44 440.6 6.1 9.1#

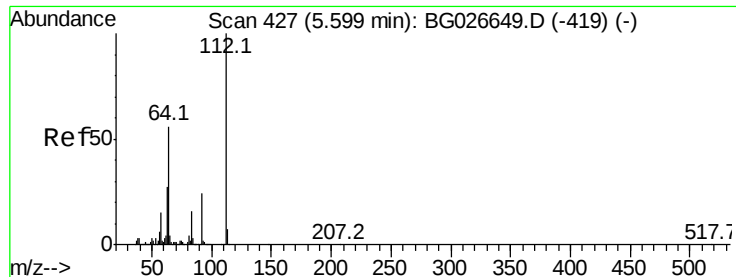


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 146.15 ng

RT: 5.60 min Scan# 427

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

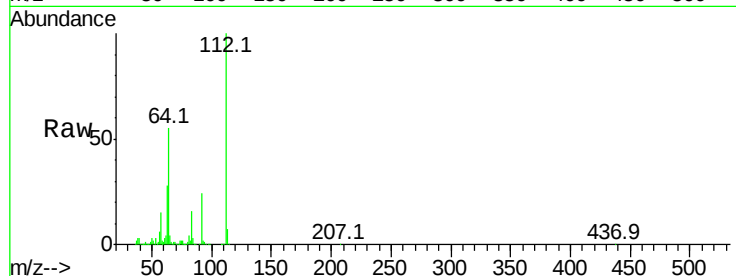
Tot Ion:112 Resp: 1233032

Ion Ratio Lower Upper

112 100

64 54.7 61.8 92.6#

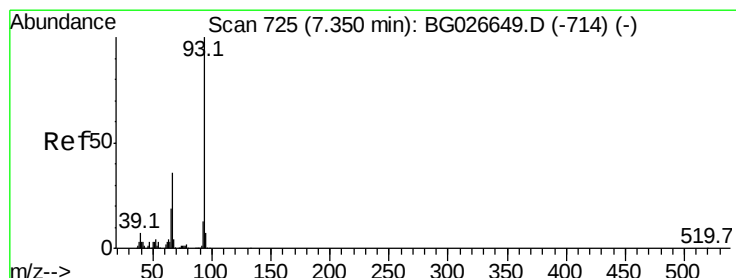
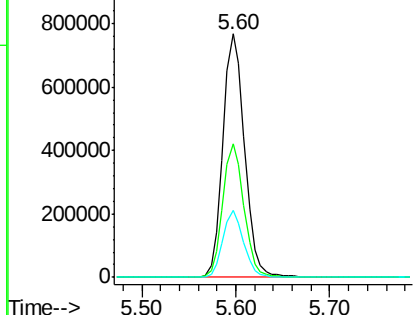
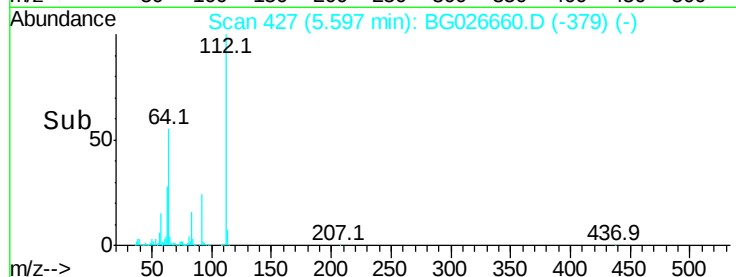
63 27.7 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.07 ng

RT: 7.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

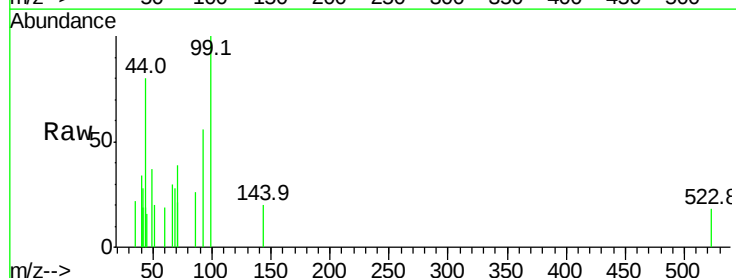
Tgt Ion: 93 Resp: 902

Ion Ratio Lower Upper

93 100

66 54.0 35.4 53.2#

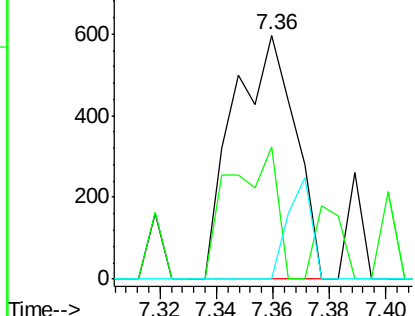
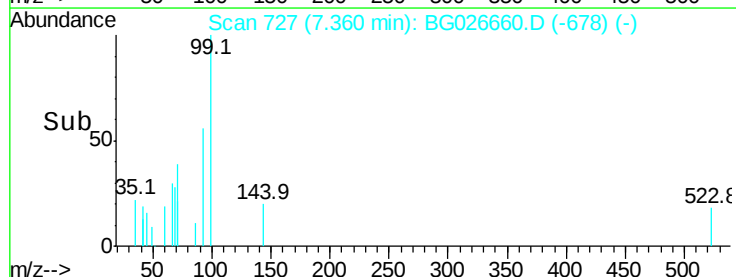
65 0.0 21.2 31.8#

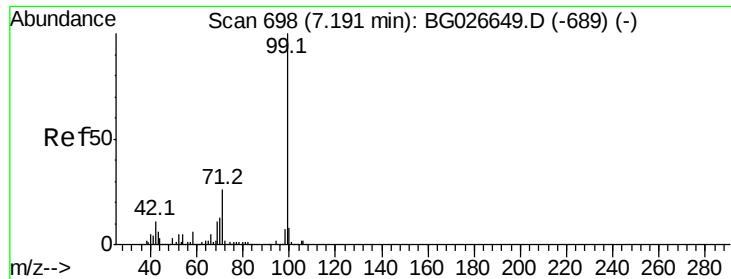


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 141.01 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

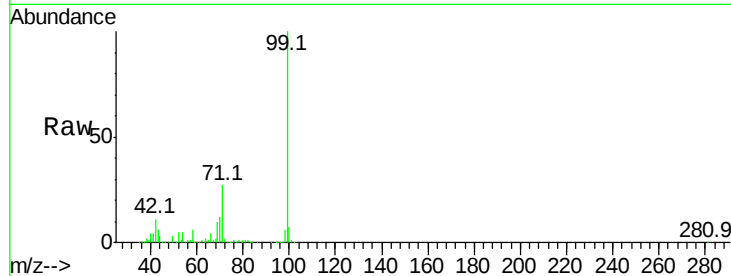
Tot Ion: 99 Resp: 1558941

Ion Ratio Lower Upper

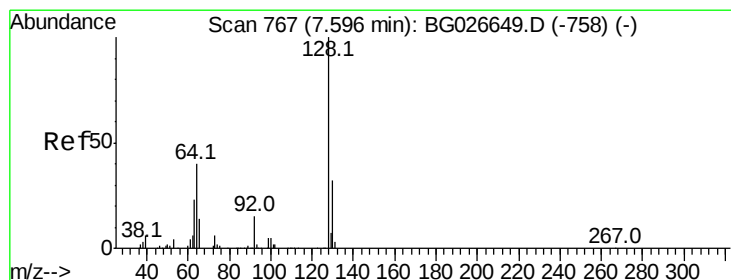
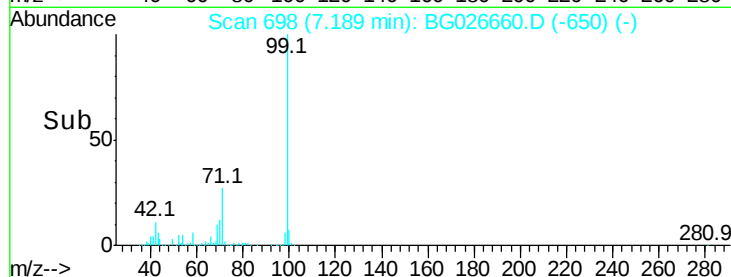
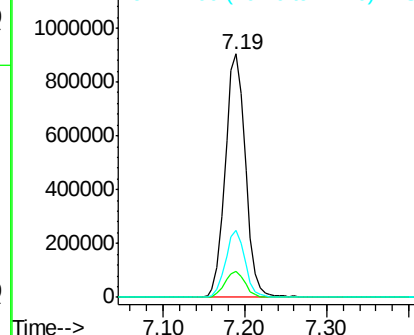
99 100

42 10.9 20.5 30.7#

71 27.3 37.6 56.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 0.10 ng

RT: 7.58 min Scan# 765

Delta R.T. -0.03 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

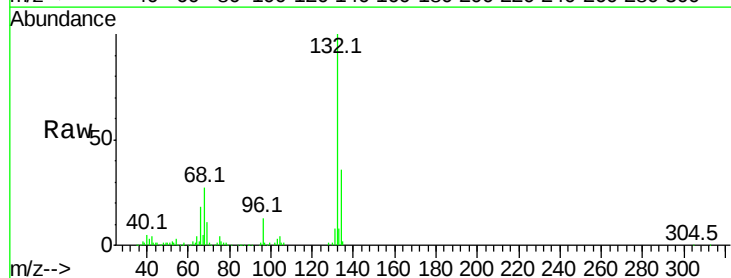
Tgt Ion: 128 Resp: 1014

Ion Ratio Lower Upper

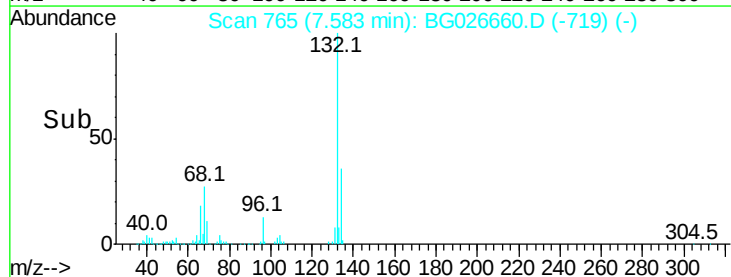
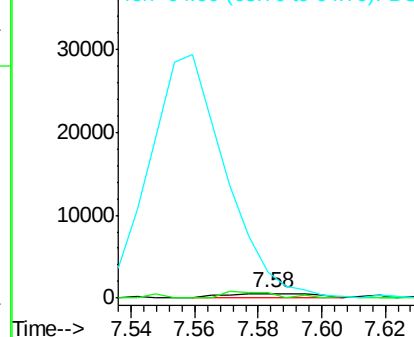
128 100

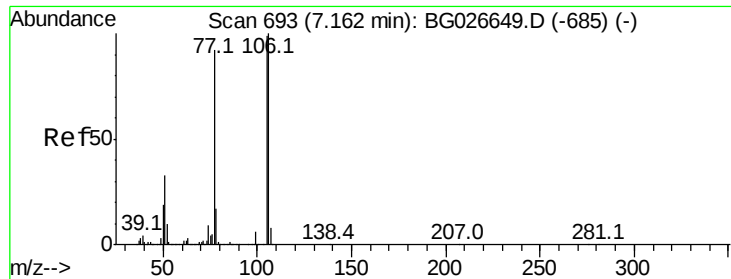
130 112.2 11.4 51.4#

64 599.3 46.6 86.6#



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





#9

Benzaldehyde

Concen: 0.24 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampled :

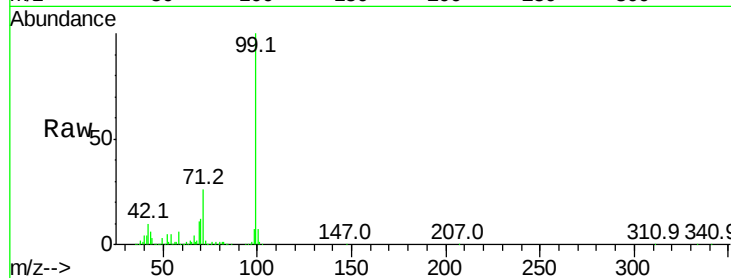
Tot Ion: 77 Resp: 1828

Ion Ratio Lower Upper

77 100

105 0.0 60.9 100.9#

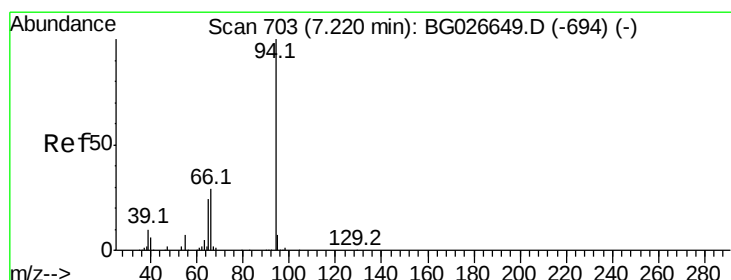
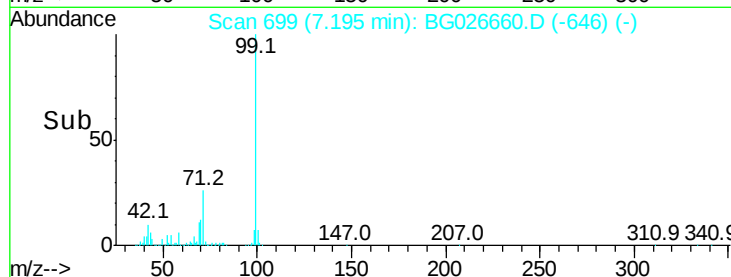
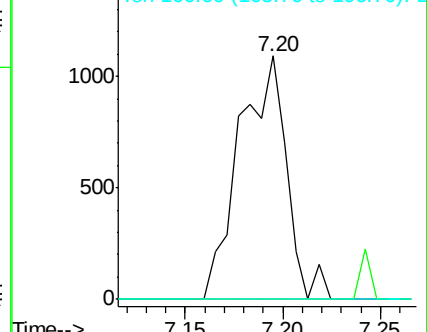
106 0.0 55.1 95.1#



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



#10

Phenol

Concen: 0.02 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.05 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

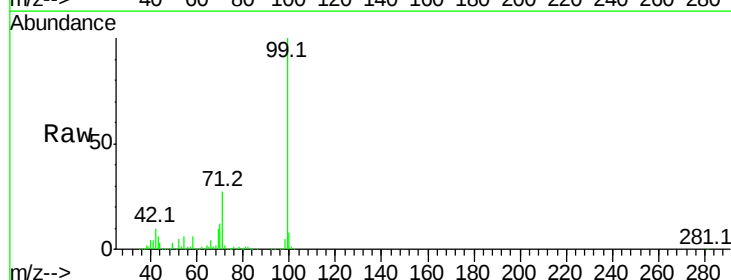
Tgt Ion: 94 Resp: 255

Ion Ratio Lower Upper

94 100

65 1611.3 20.6 60.6#

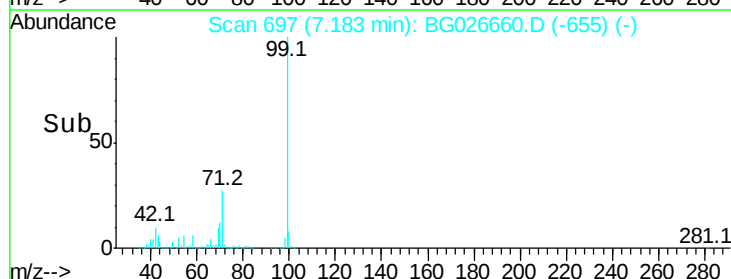
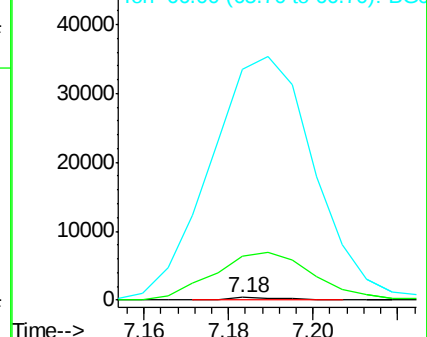
66 8566.8 35.5 75.5#

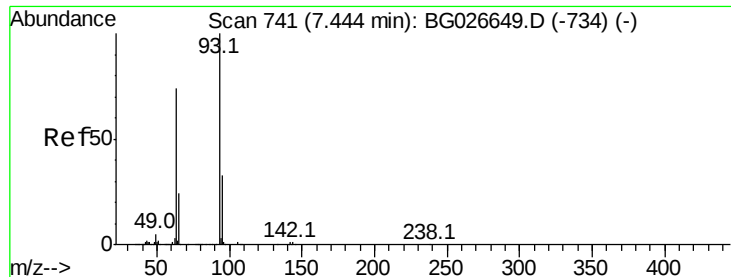


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 7.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

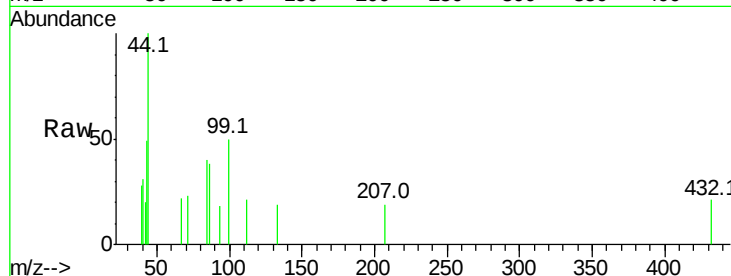
Tot Ion: 93 Resp: 54

Ion Ratio Lower Upper

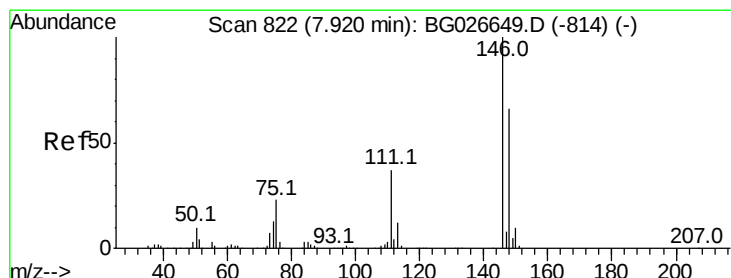
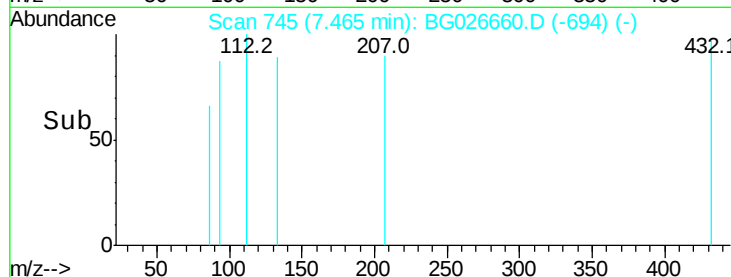
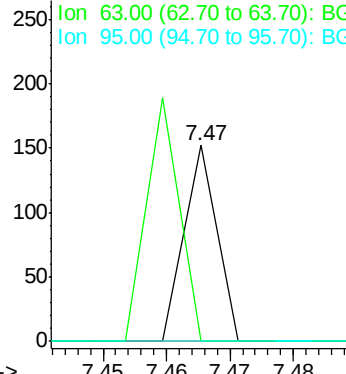
93 100

63 0.0 78.5 118.5#

95 0.0 9.8 49.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 0.00 ng

RT: 8.02 min Scan# 840

Delta R.T. 0.08 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

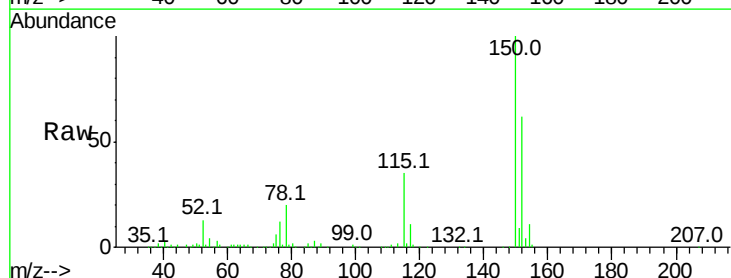
Tgt Ion: 146 Resp: 57

Ion Ratio Lower Upper

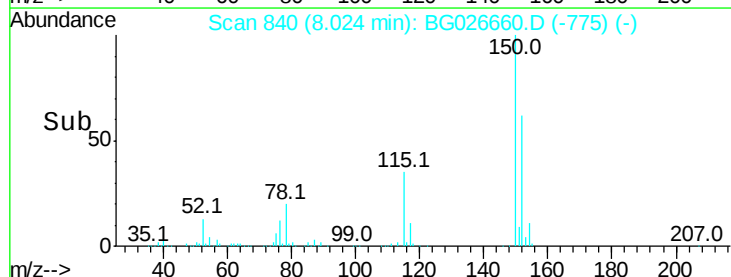
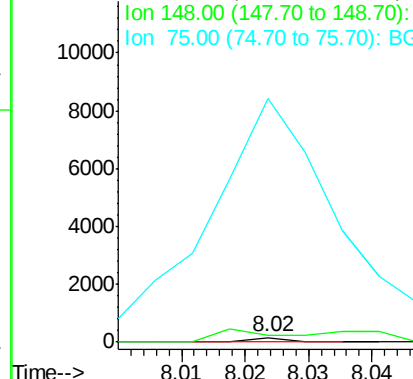
146 100

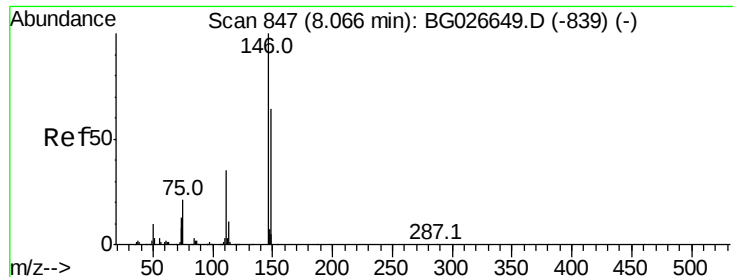
148 157.1 49.2 73.8#

75 5167.5 33.4 50.2#



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 0.01 ng

RT: 8.05 min Scan# 845

Delta R.T. -0.03 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

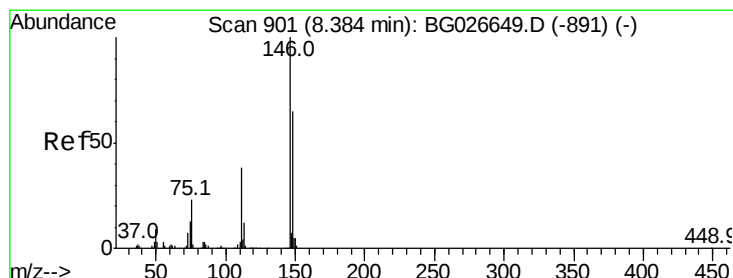
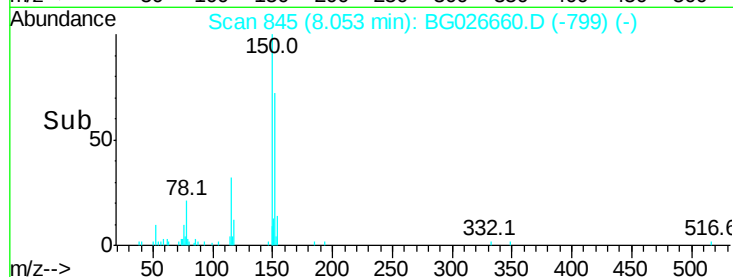
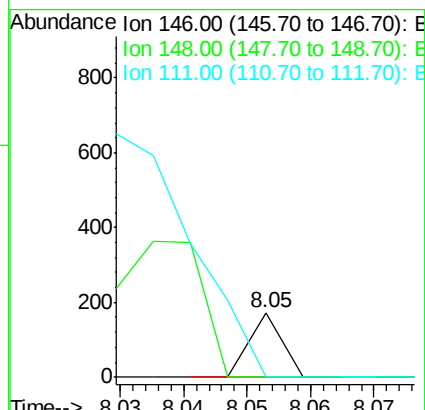
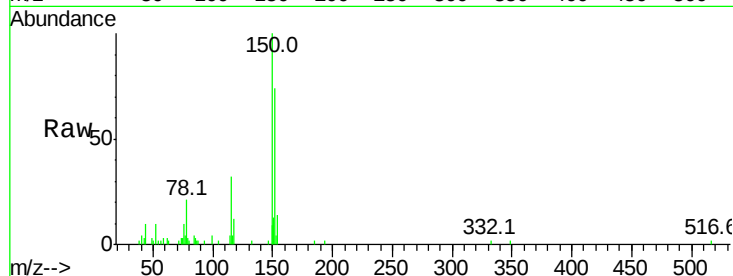
Instrument :

BNA\_G

ClientSampled :

Tot Ion:146 Resp: 61

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 0.0   | 52.2  | 78.2# |
| 111 | 0.0   | 37.0  | 55.6# |



#14

1,2-Dichlorobenzene

Concen: 0.01 ng

RT: 8.38 min Scan# 901

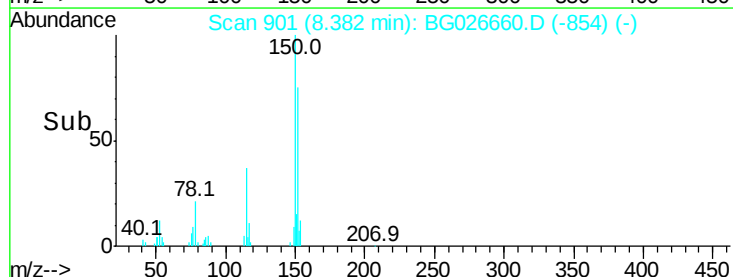
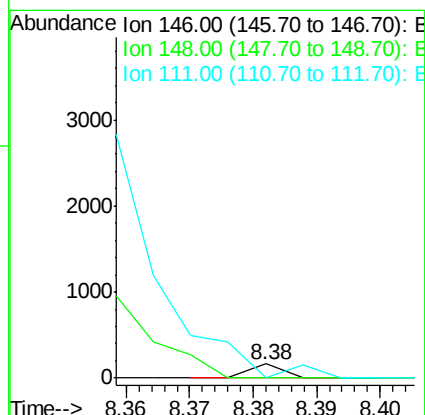
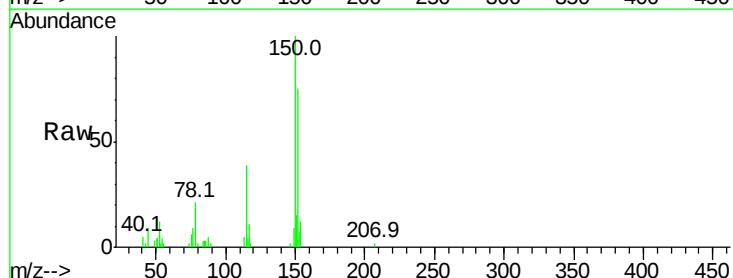
Delta R.T. -0.02 min

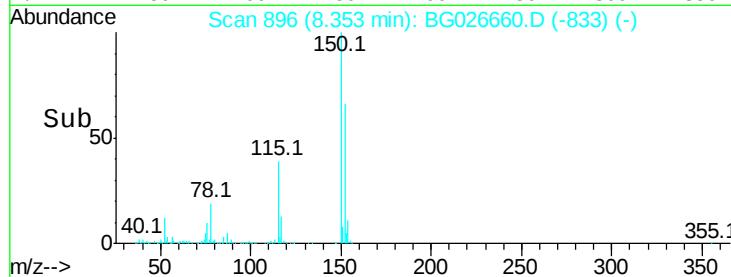
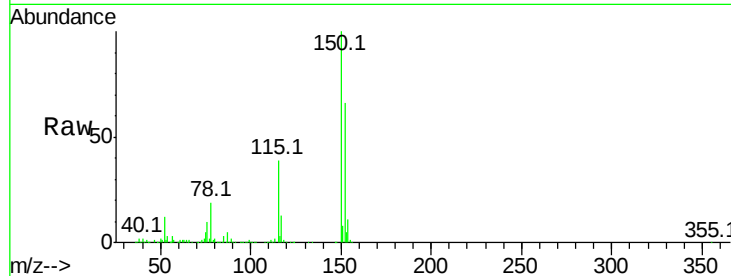
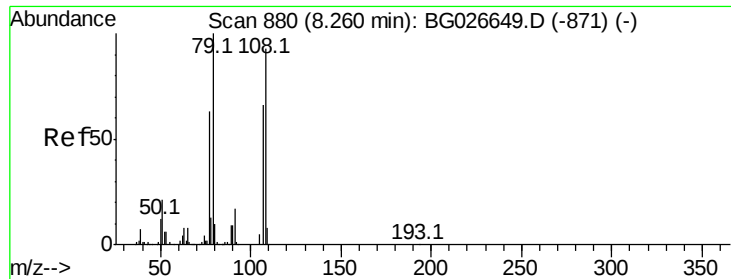
Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Tgt Ion:146 Resp: 57

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 0.0   | 54.6  | 81.8# |
| 111 | 0.0   | 39.7  | 59.5# |





#15

Benzyl Alcohol

Concen: 1.87 ng

RT: 8.35 min Scan# 896

Delta R.T. 0.07 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

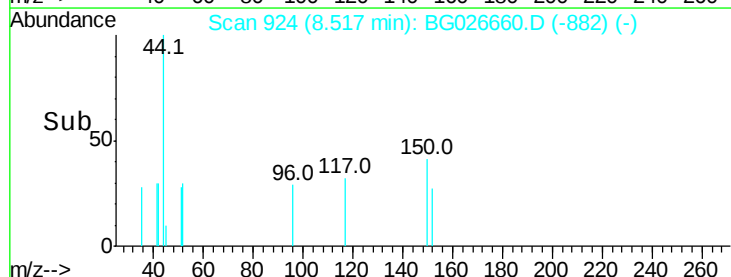
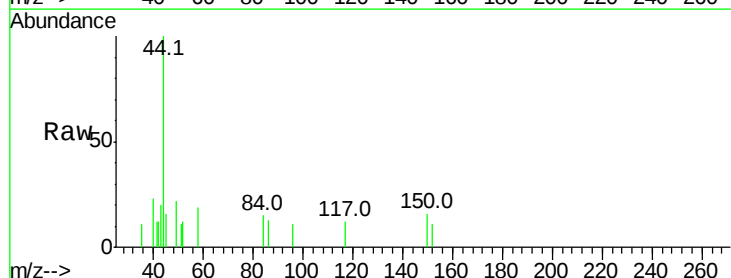
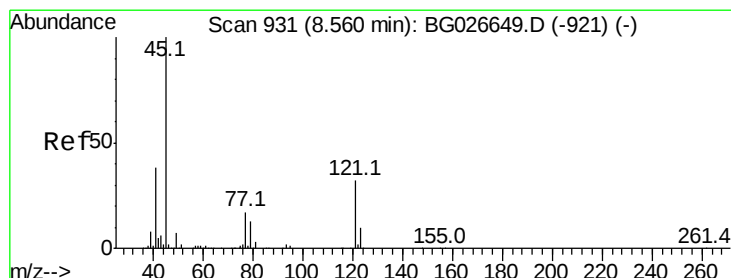
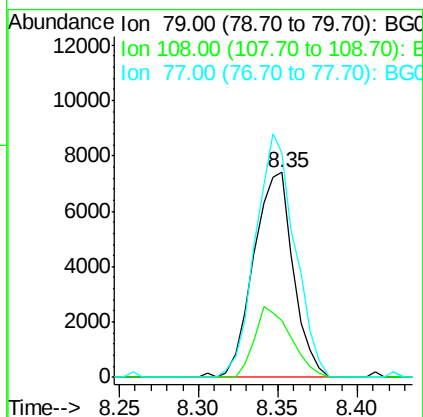
Tot Ion: 79 Resp: 12912

Ion Ratio Lower Upper

79 100

108 27.9 45.5 68.3#

77 109.5 54.3 81.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.01 ng

RT: 8.52 min Scan# 924

Delta R.T. -0.05 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

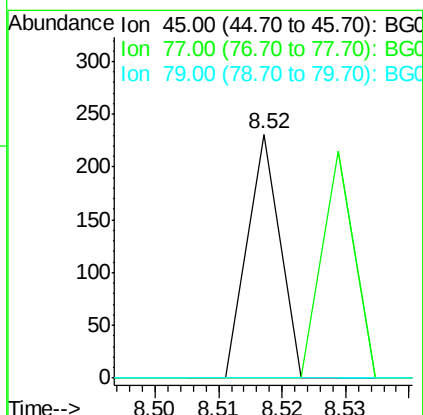
Tgt Ion: 45 Resp: 81

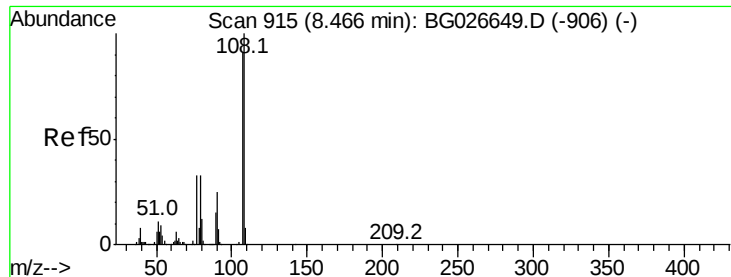
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.6

79 0.0 0.0 28.5





#17

2-Methylphenol

Concen: 0.01 ng

RT: 8.46 min Scan# 915

Delta R.T. -0.02 min

Lab File: BG026660.D

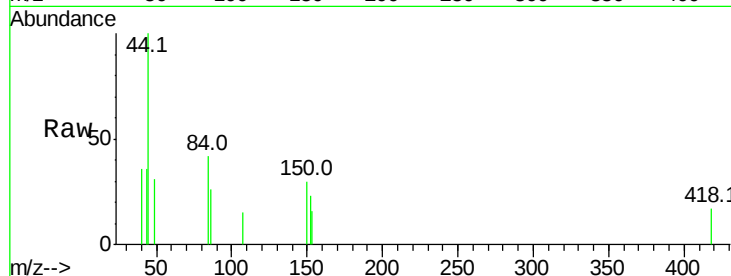
Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 54     |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 0.0   | 85.6  | 128.4# |
| 77       | 0.0   | 51.4  | 77.2#  |
| 79       | 0.0   | 49.2  | 73.8#  |

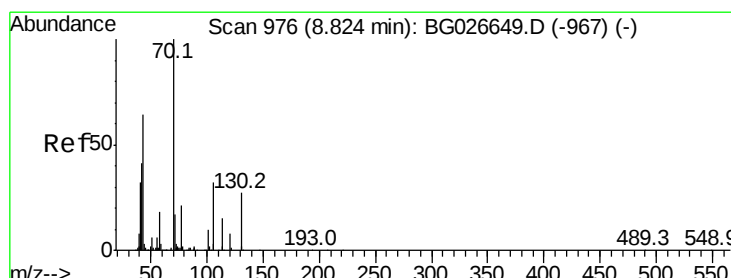
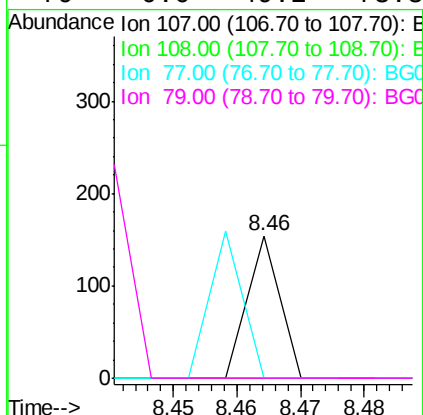
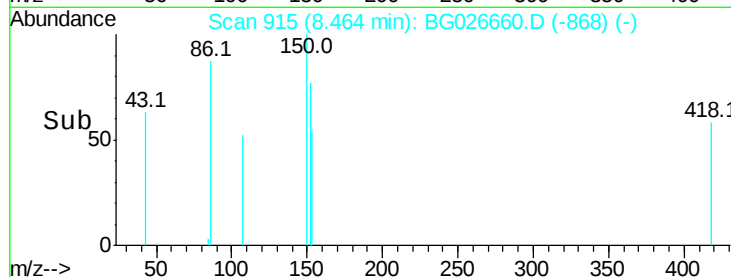


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 0.01 ng

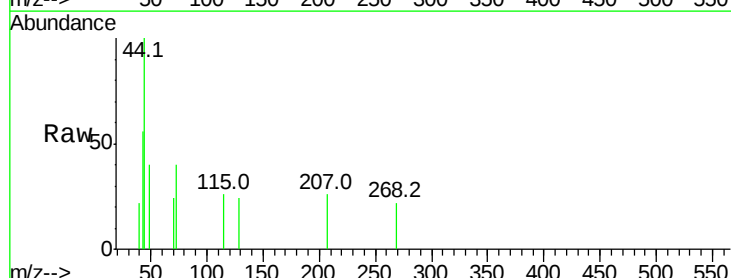
RT: 8.75 min Scan# 964

Delta R.T. -0.09 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 66    |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 0.0   | 56.1  | 84.1# |
| 101      | 0.0   | 7.5   | 11.3# |
| 130      | 0.0   | 14.6  | 21.8# |

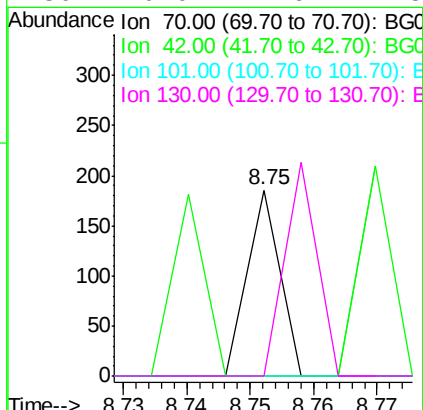
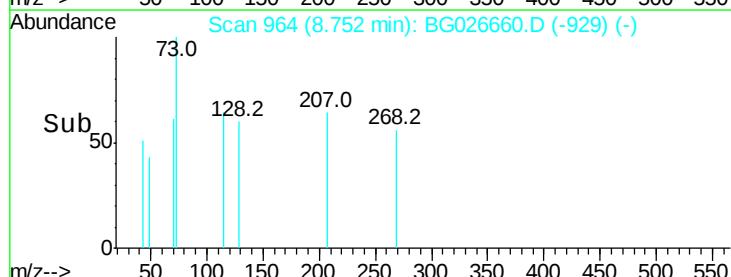


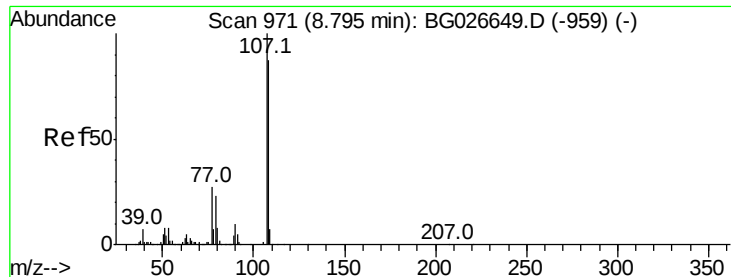
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#20

3+4-Methylphenols

Concen: 0.01 ng

RT: 8.88 min Scan# 985

Delta R.T. 0.06 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 82

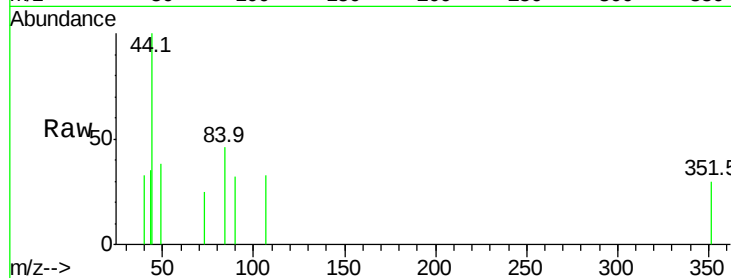
Ion Ratio Lower Upper

107 100

108 0.0 70.8 110.8#

77 0.0 25.8 65.8#

79 0.0 20.1 60.1#

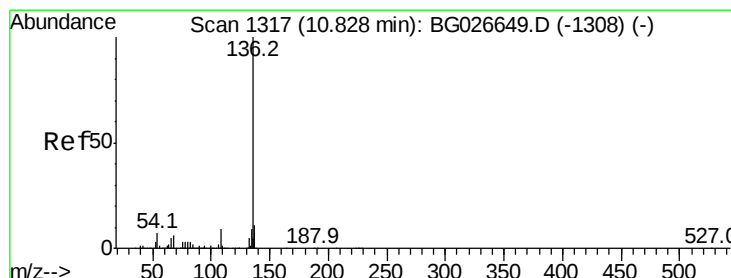
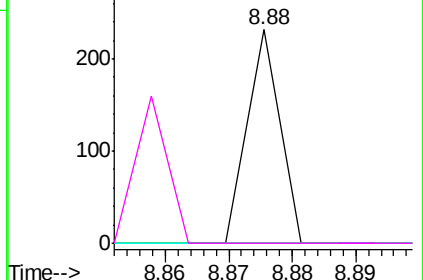
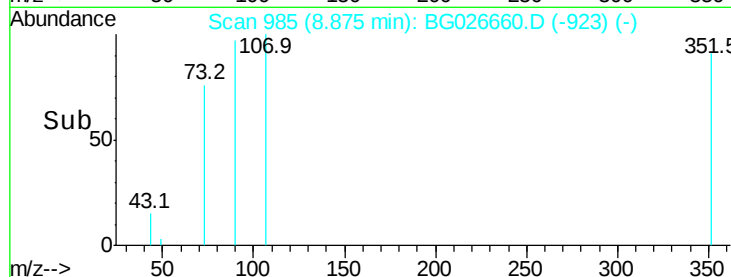


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Tgt Ion:136 Resp: 644664

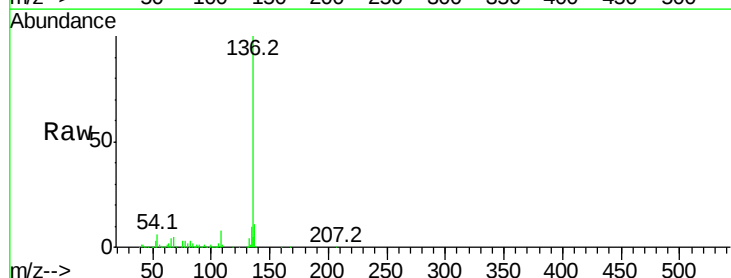
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.3 9.3 13.9#

68 5.4 5.1 7.7

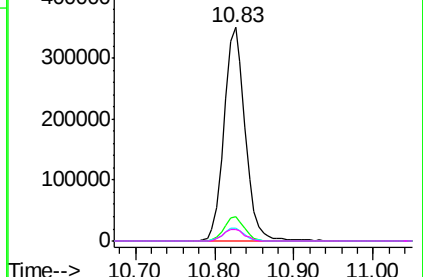
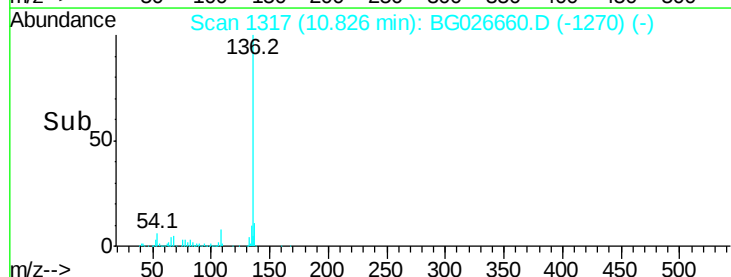


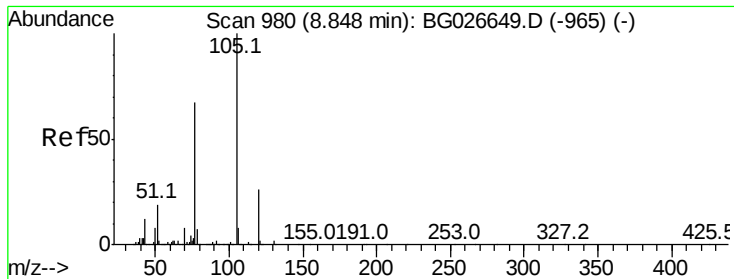
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG





#22

Acetophenone

Concen: 0.01 ng

RT: 8.82 min Scan# 976

Delta R.T. -0.04 min

Lab File: BG026660.D

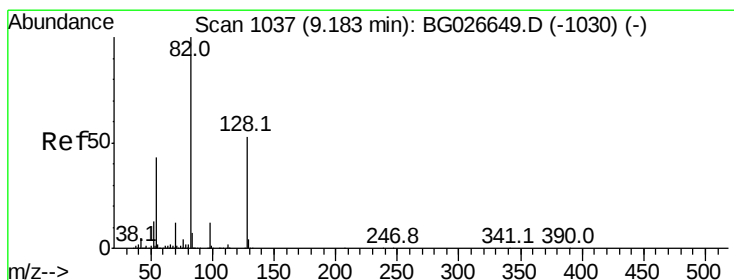
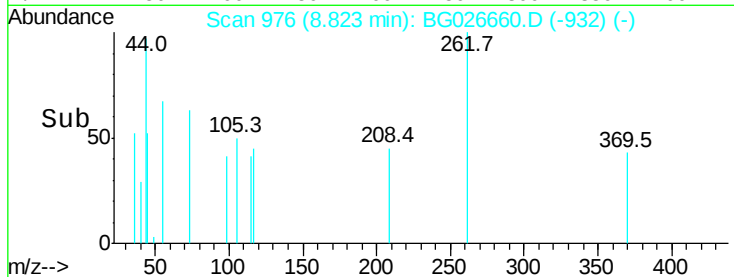
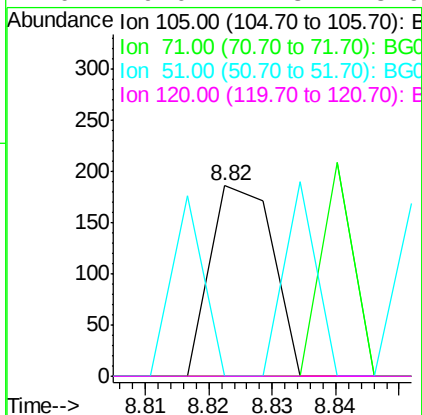
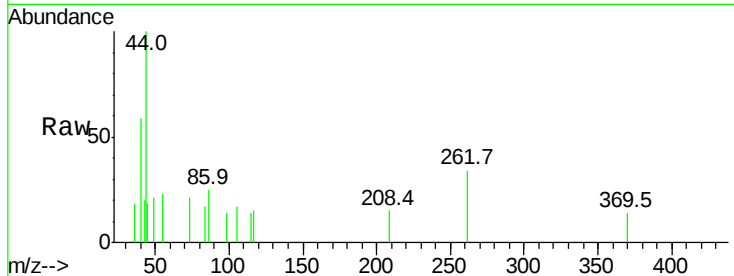
Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 105   | Resp: | 126   |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 71       | 0.0   | 0.9   | 1.3#  |
| 51       | 0.0   | 34.0  | 51.0# |
| 120      | 0.0   | 17.3  | 25.9# |



#23

Nitrobenzene-d5

Concen: 88.59 ng

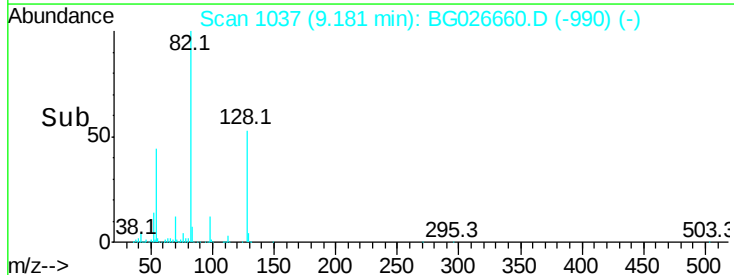
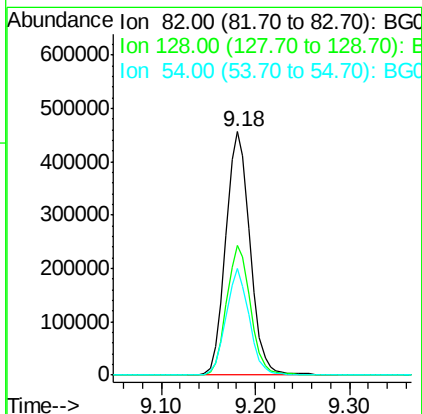
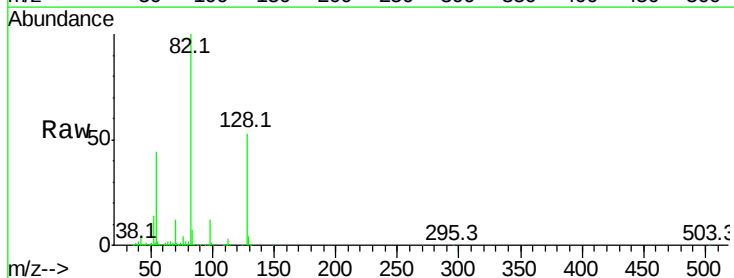
RT: 9.18 min Scan# 1037

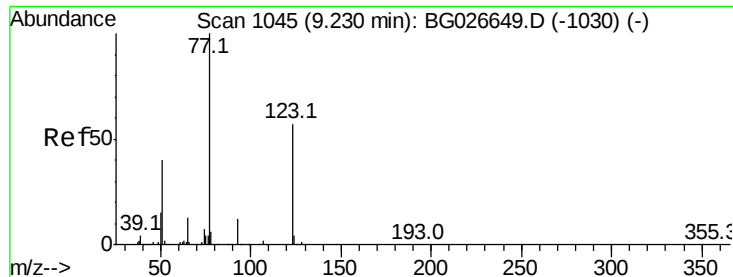
Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 818494 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 53.2  | 26.4  | 39.6#  |
| 54       | 43.8  | 49.4  | 74.2#  |





#24

Nitrobenzene

Concen: 0.24 ng

RT: 9.19 min Scan# 1038

Delta R.T. -0.06 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

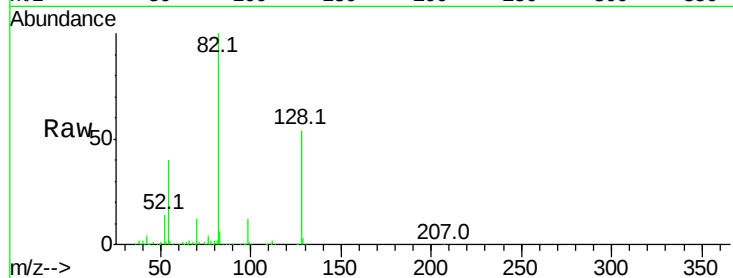
Tot Ion: 77 Resp: 2316

Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

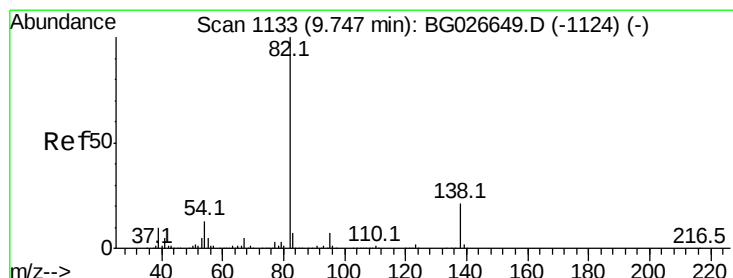
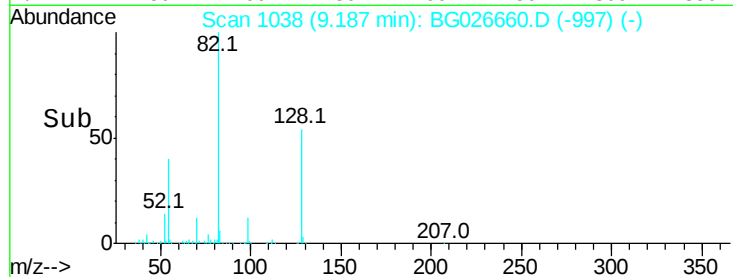
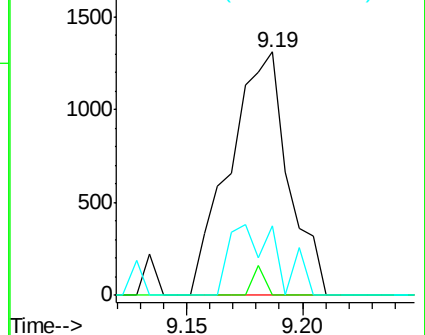
65 28.7 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 0.02 ng

RT: 9.75 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

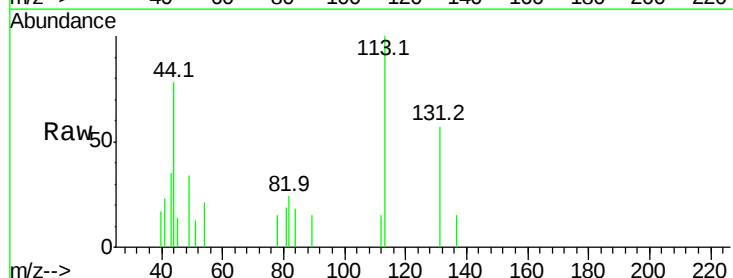
Tgt Ion: 82 Resp: 336

Ion Ratio Lower Upper

82 100

95 0.0 7.5 11.3#

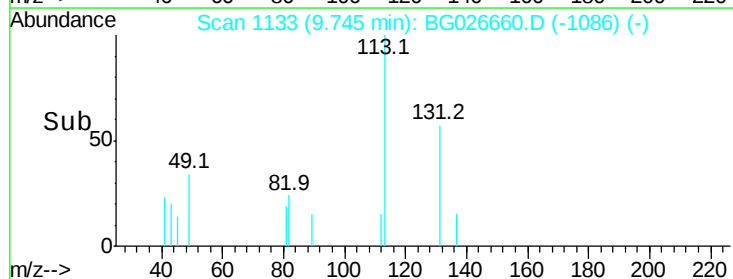
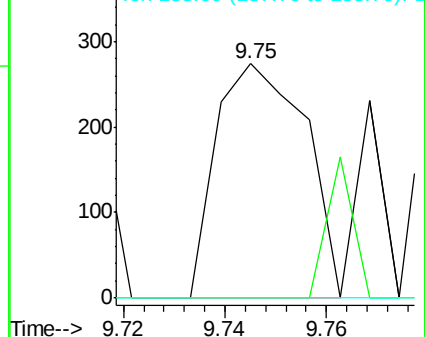
138 0.0 12.3 18.5#

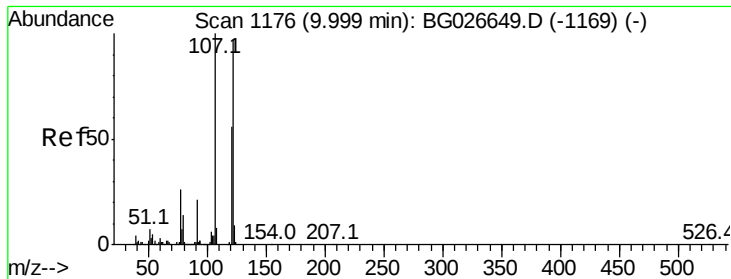


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC





#27

2,4-Dimethylphenol

Concen: 0.01 ng

RT: 9.99 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

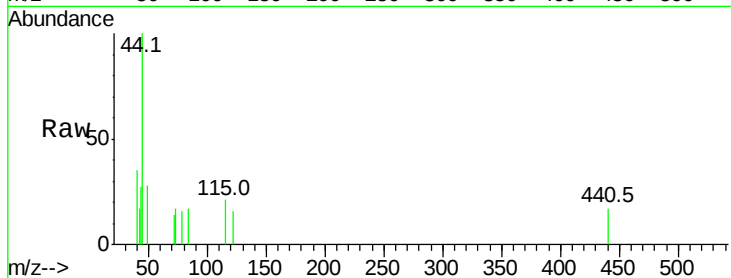
Tot Ion:122 Resp: 65

Ion Ratio Lower Upper

122 100

107 0.0 104.2 156.4#

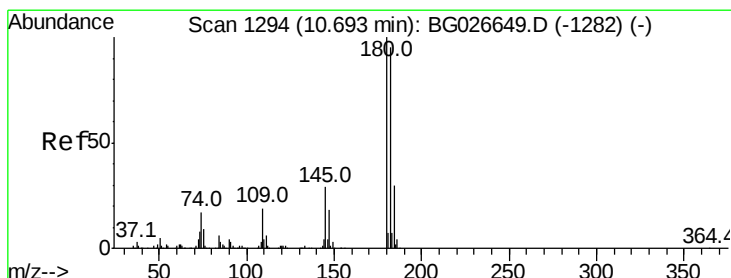
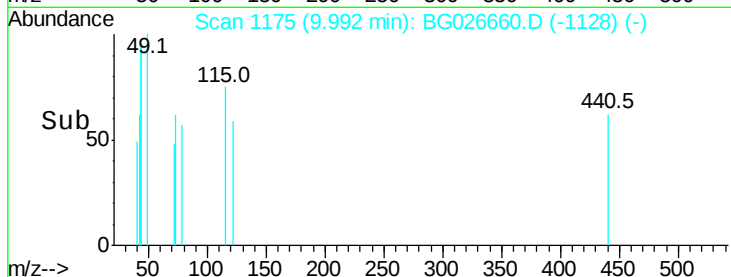
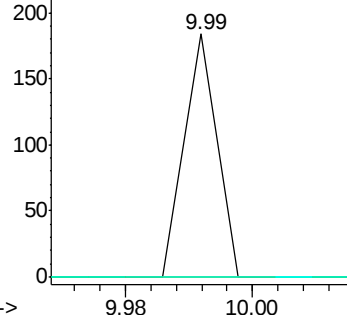
121 0.0 46.0 69.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#30

1,2,4-Trichlorobenzene

Concen: 0.01 ng

RT: 10.81 min Scan# 1314

Delta R.T. 0.09 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

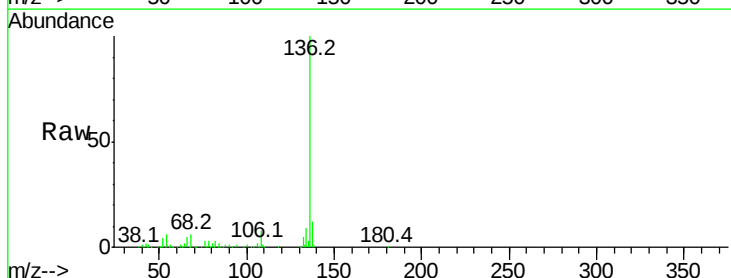
Tgt Ion:180 Resp: 74

Ion Ratio Lower Upper

180 100

182 0.0 77.0 115.4#

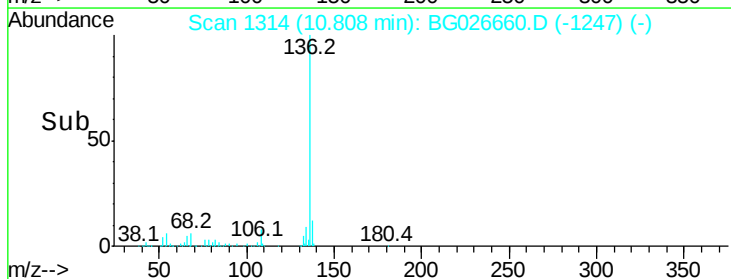
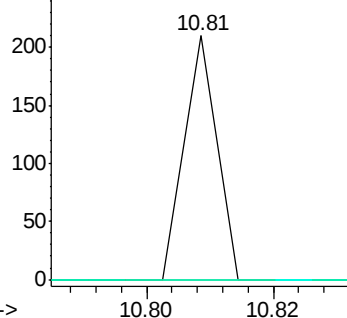
145 0.0 23.4 35.0#

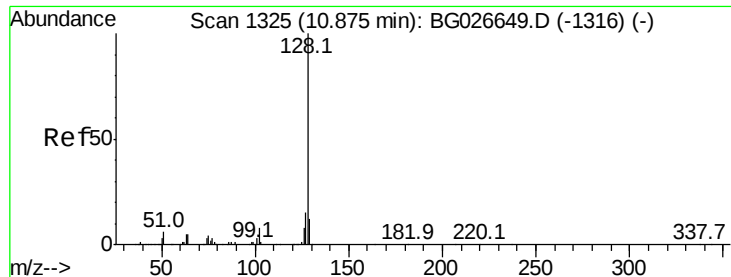


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

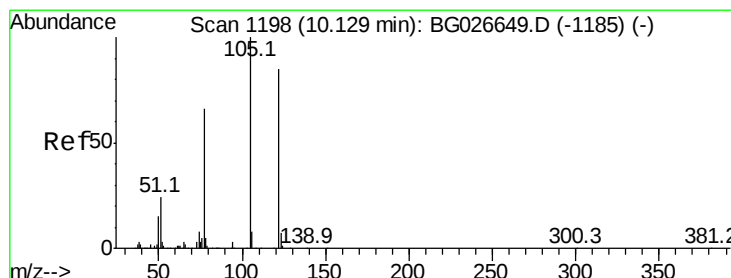
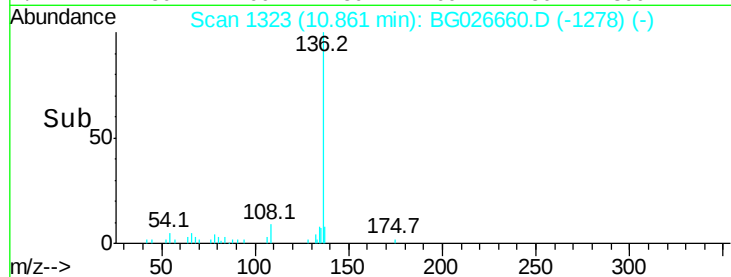
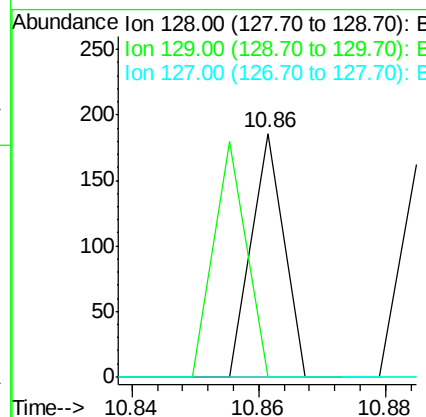
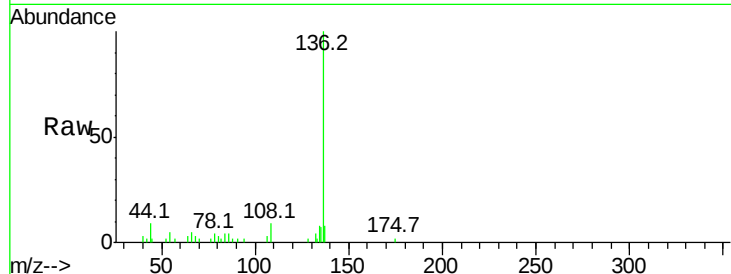




#31  
Naphthalene  
Concen: 0.00 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.04 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

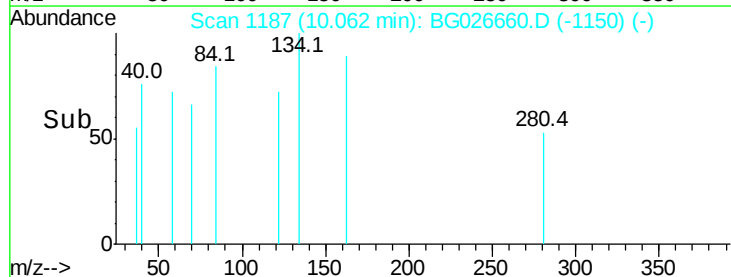
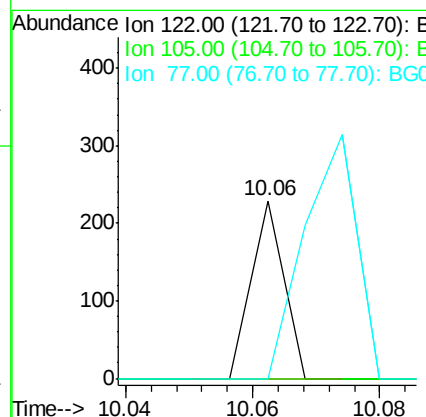
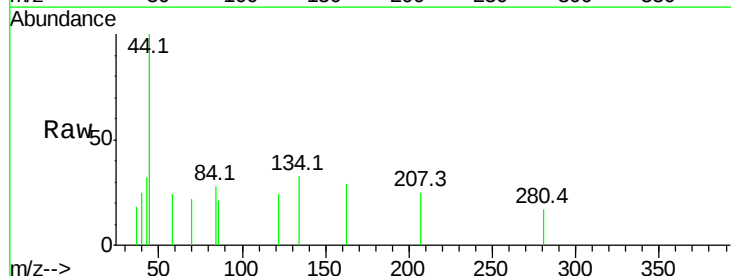
Instrument :  
BNA\_G  
ClientSampleId :

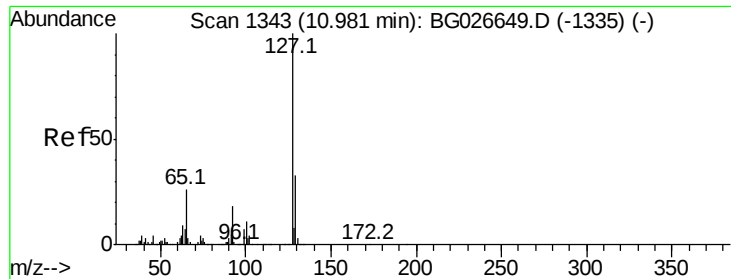
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 0.0   | 9.3   | 13.9# |
| 127     | 0.0   | 11.4  | 17.0# |



#32  
Benzoic acid  
Concen: 9.02 ng  
RT: 10.06 min Scan# 1187  
Delta R.T. -0.08 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 120.1 | 160.1# |
| 77      | 0.0   | 104.6 | 144.6# |

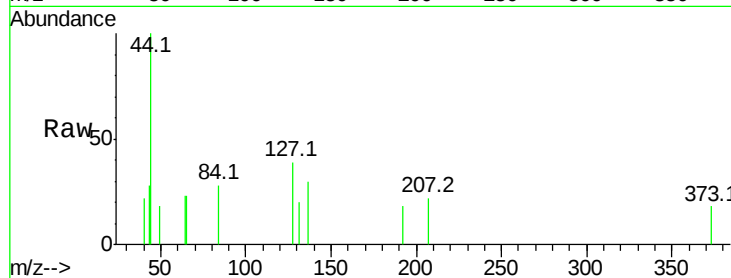




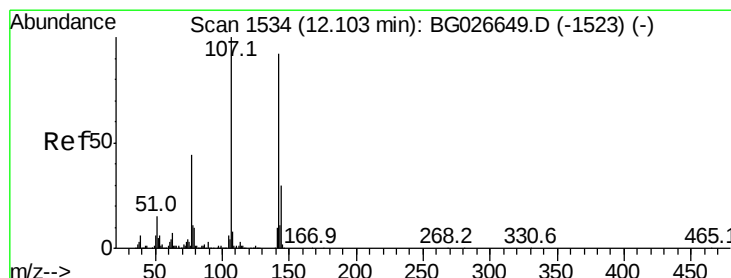
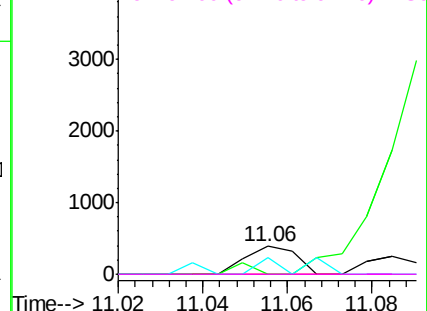
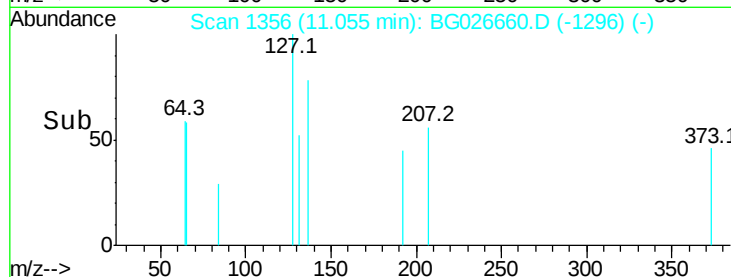
#33  
4-Chloroaniline  
Concen: 0.02 ng  
RT: 11.06 min Scan# 1356  
Delta R.T. 0.05 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:127 Resp: 325  
Ion Ratio Lower Upper  
127 100  
129 0.0 23.6 35.4#  
65 58.4 37.7 56.5#  
92 0.0 17.6 26.4#

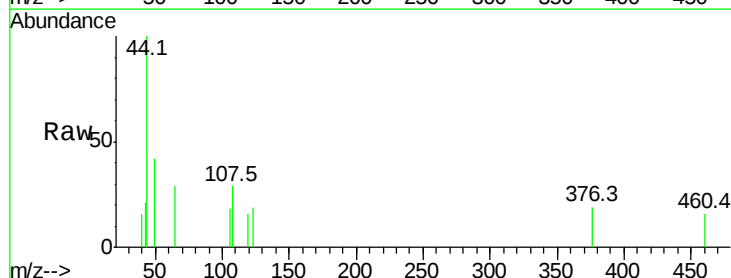


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

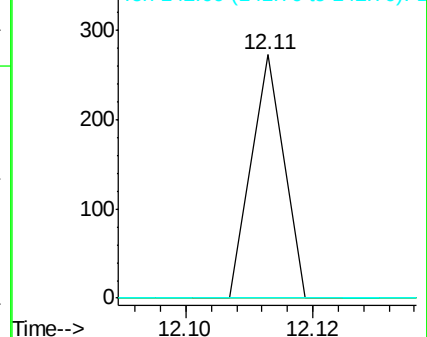
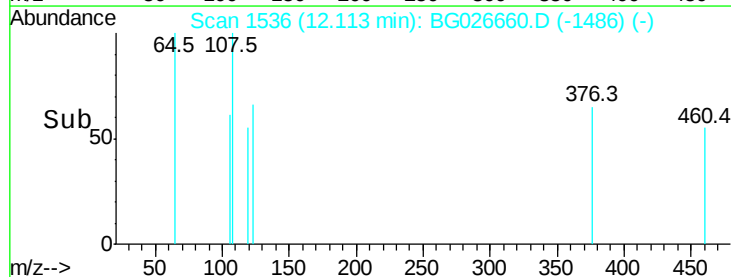


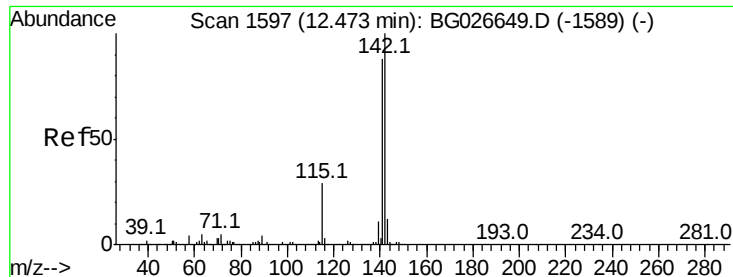
#36  
4-Chloro-3-methylphenol  
Concen: 0.01 ng  
RT: 12.11 min Scan# 1536  
Delta R.T. -0.01 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Tgt Ion:107 Resp: 96  
Ion Ratio Lower Upper  
107 100  
144 0.0 17.4 26.0#  
142 0.0 54.1 81.1#



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

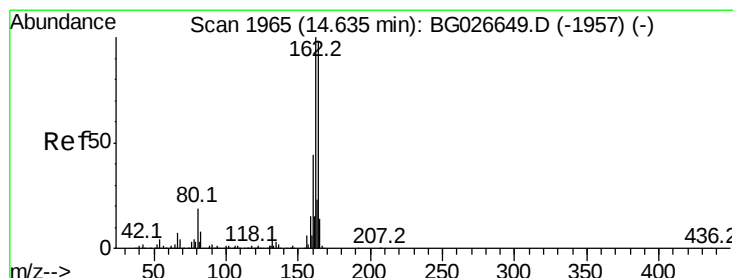
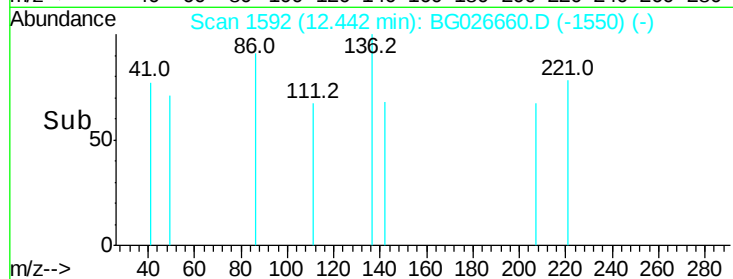
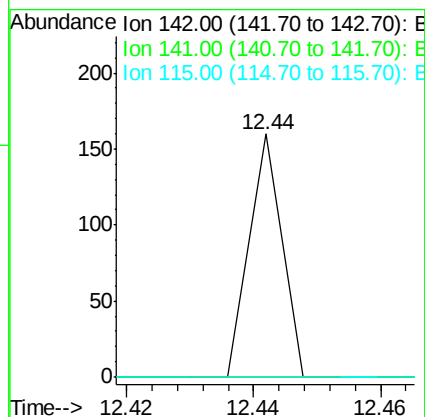
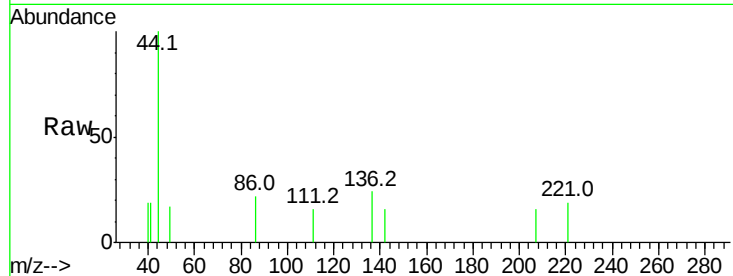




#37  
2-Methylnaphthalene  
Concen: 0.00 ng  
RT: 12.44 min Scan# 1592  
Delta R.T. -0.05 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

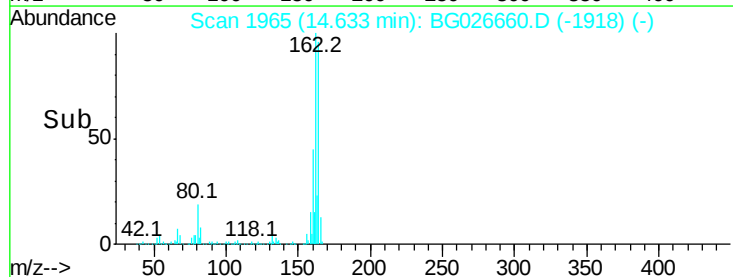
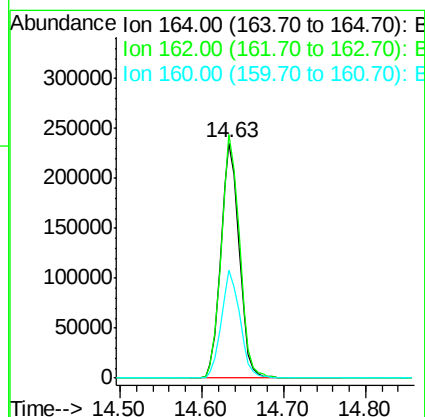
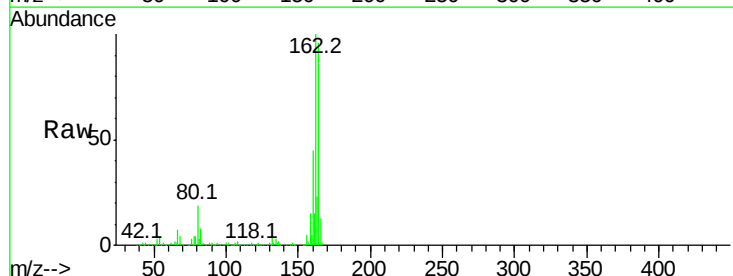
Instrument :  
BNA\_G  
ClientSampled :

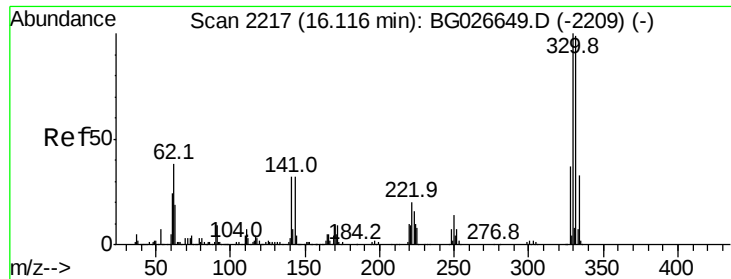
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 142     | 100   |       |        |
| 141     | 0.0   | 70.4  | 105.6# |
| 115     | 0.0   | 35.5  | 53.3#  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.63 min Scan# 1965  
Delta R.T. -0.02 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.8 | 85.1  | 127.7 |
| 160     | 46.2  | 34.7  | 52.1  |

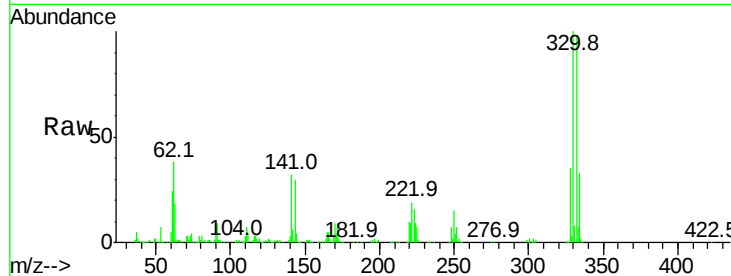




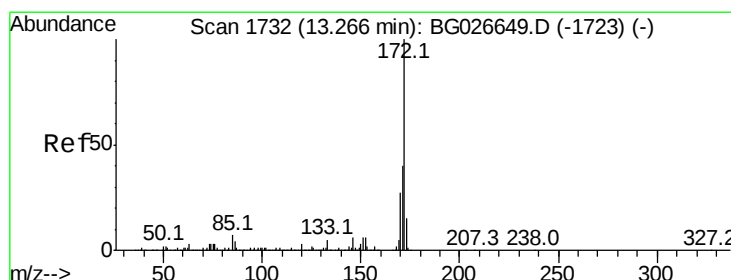
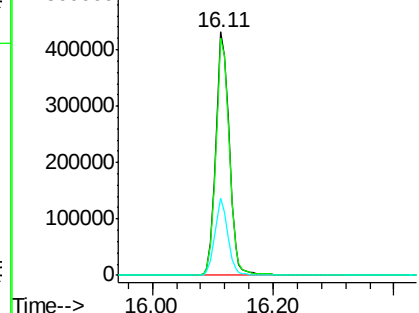
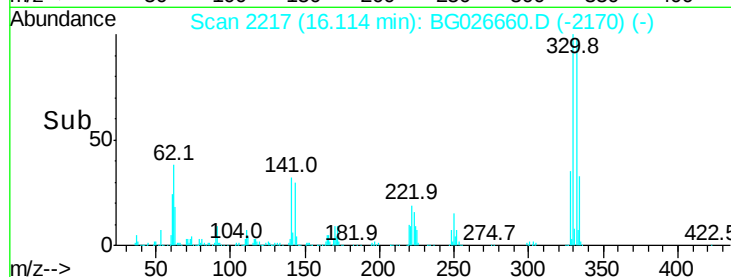
#41  
 2,4,6-Tribromophenol  
 Concen: 131.71 ng  
 RT: 16.11 min Scan# 2217  
 Delta R.T. -0.02 min  
 Lab File: BG026660.D  
 Acq: 19 Apr 2017 17:33

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 674705  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 30.7 32.1 48.1#

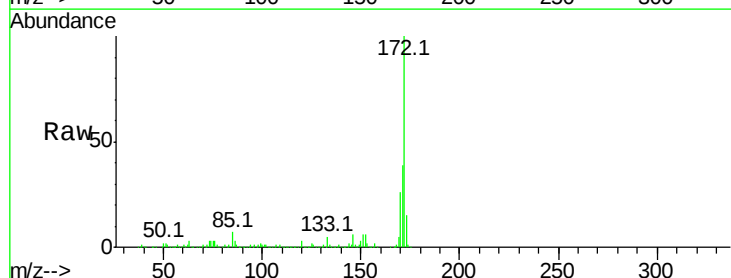


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

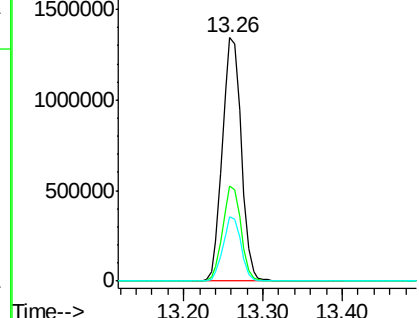
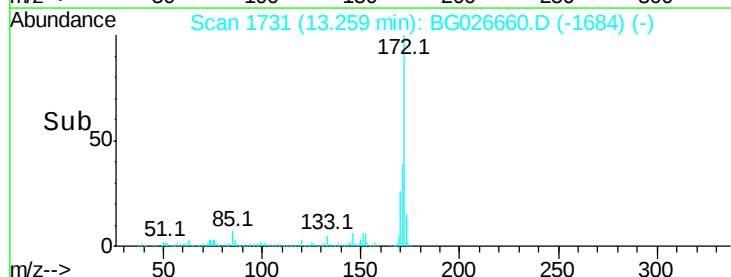


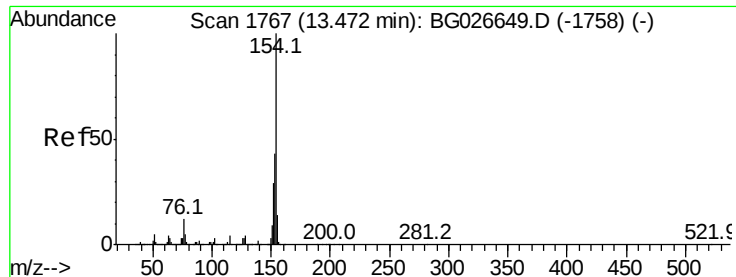
#44  
 2-Fluorobiphenyl  
 Concen: 89.97 ng  
 RT: 13.26 min Scan# 1731  
 Delta R.T. -0.02 min  
 Lab File: BG026660.D  
 Acq: 19 Apr 2017 17:33

Tgt Ion:172 Resp: 2220847  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 32.2 48.2  
 170 26.3 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.15 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.24 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

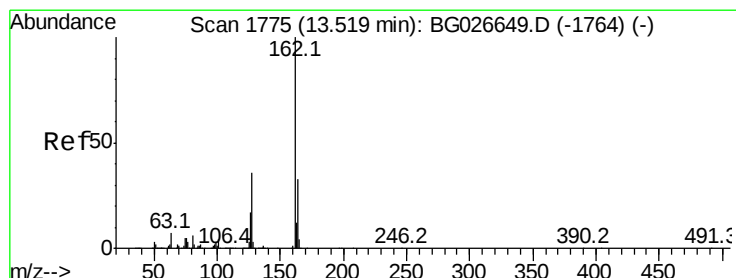
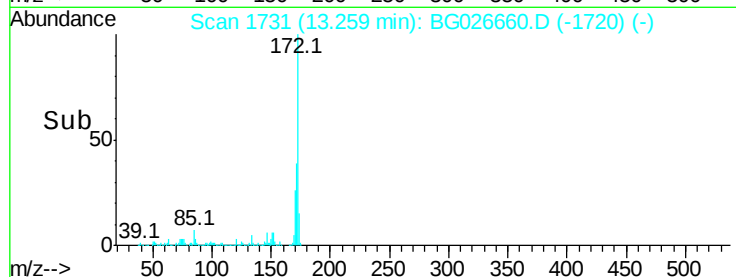
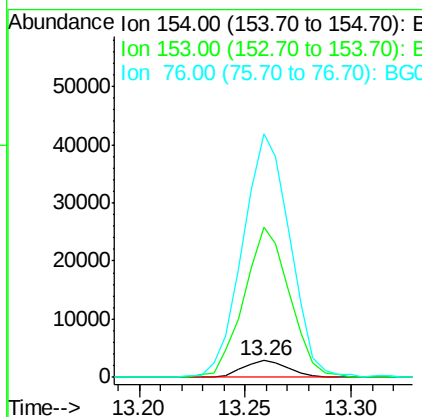
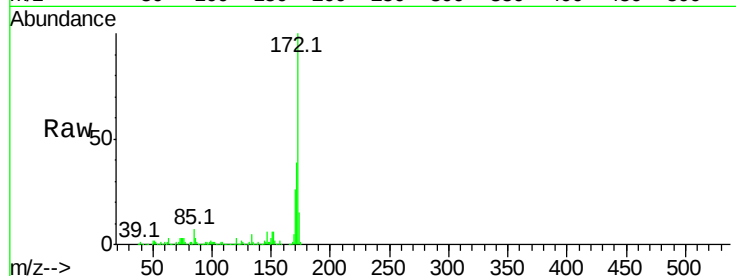
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:154 Resp: 4372

| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 154 | 100    |       |       |
| 153 | 911.5  | 23.0  | 63.0# |
| 76  | 1480.9 | 0.0   | 33.5# |



#46

2-Chloronaphthalene

Concen: 0.00 ng

RT: 13.49 min Scan# 1770

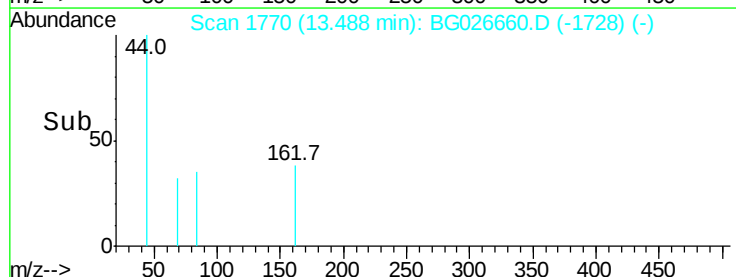
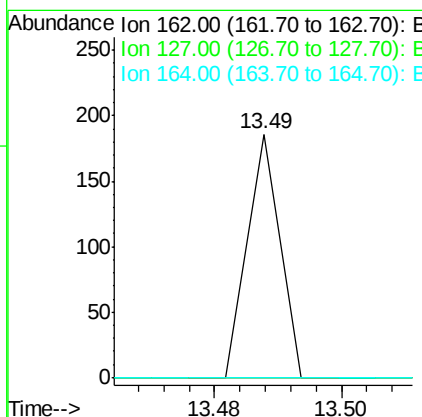
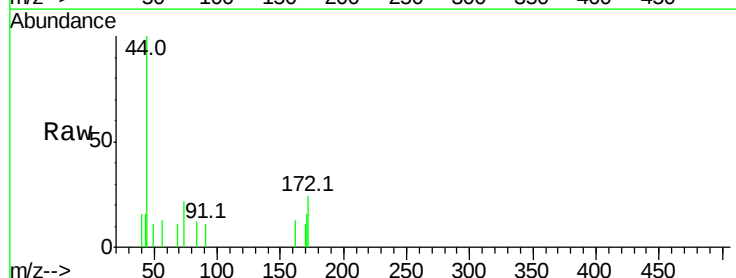
Delta R.T. -0.05 min

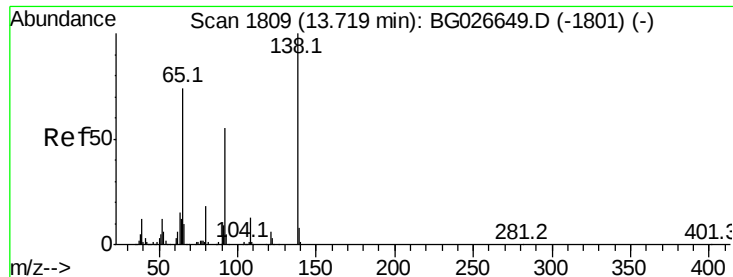
Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Tgt Ion:162 Resp: 66

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 0.0   | 32.2  | 48.4# |
| 164 | 0.0   | 27.3  | 40.9# |





#47

2-Nitroaniline

Concen: 0.02 ng

RT: 13.56 min Scan# 1782

Delta R.T. -0.18 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampled :

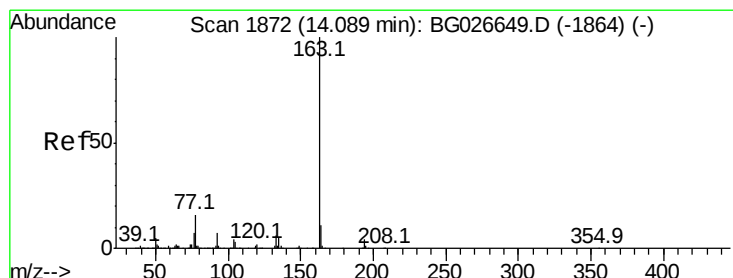
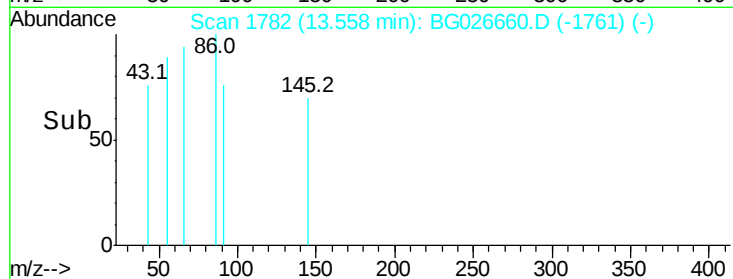
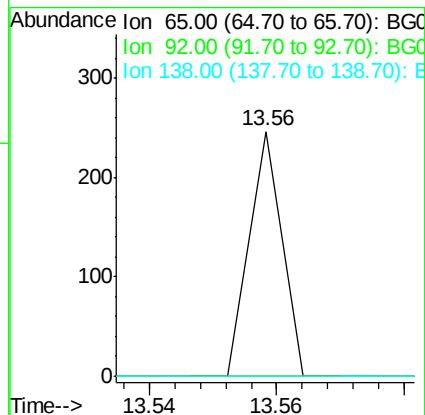
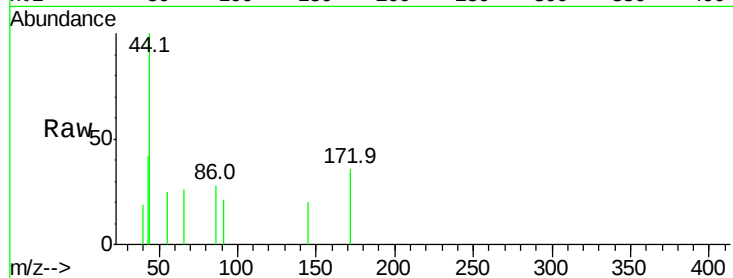
Tot Ion: 65 Resp: 87

Ion Ratio Lower Upper

65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



#49

Dimethylphthalate

Concen: 0.00 ng

RT: 14.18 min Scan# 1888

Delta R.T. 0.08 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

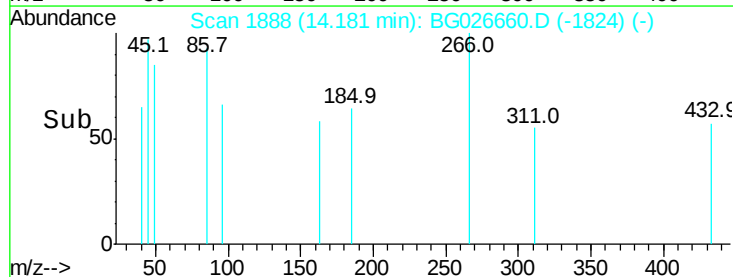
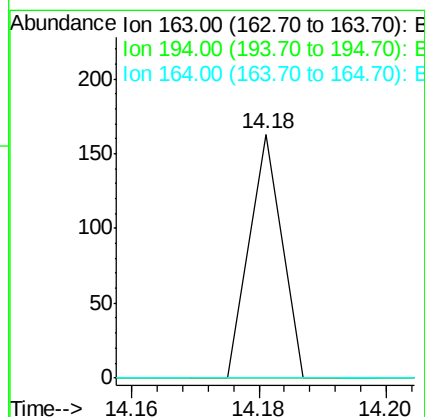
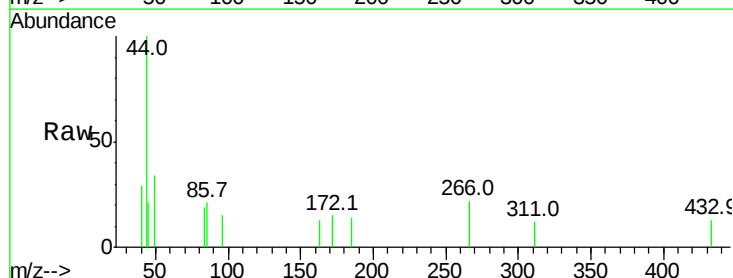
Tgt Ion:163 Resp: 57

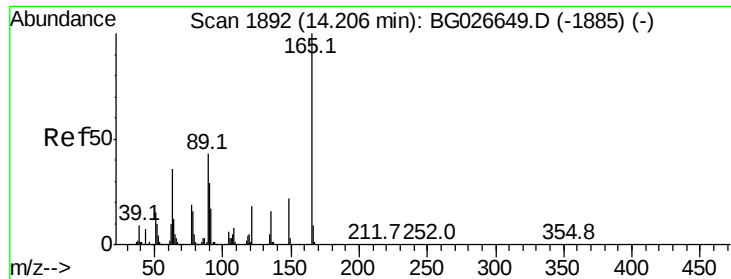
Ion Ratio Lower Upper

163 100

194 0.0 3.8 5.6#

164 0.0 9.3 13.9#

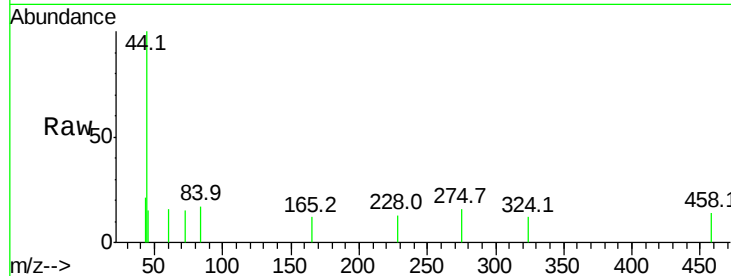




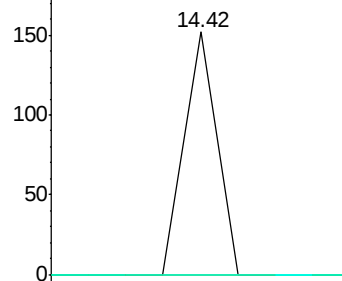
#50  
2,6-Dinitrotoluene  
Concen: 0.01 ng  
RT: 14.42 min Scan# 1929  
Delta R.T. 0.20 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampleId :

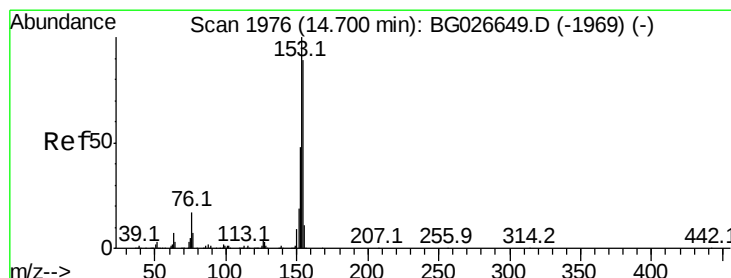
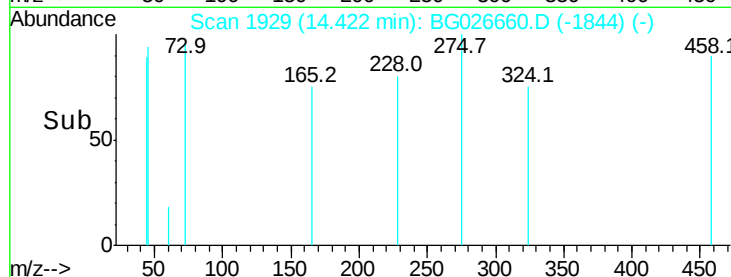
Tot Ion:165 Resp: 54  
Ion Ratio Lower Upper  
165 100  
63 0.0 63.9 95.9#  
89 0.0 58.6 88.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGO  
Ion 89.00 (88.70 to 89.70): BGO

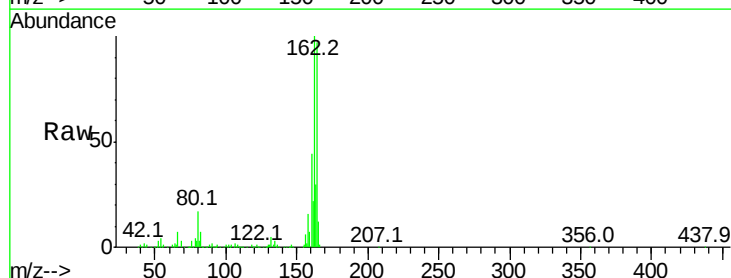


Time--> 14.40 14.42 14.44

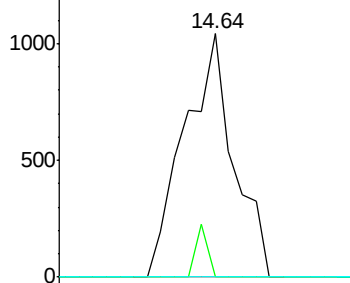


#51  
Acenaphthene  
Concen: 0.07 ng  
RT: 14.64 min Scan# 1966  
Delta R.T. -0.08 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

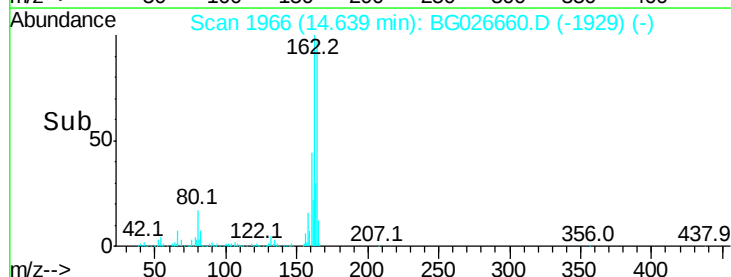
Tgt Ion:154 Resp: 1545  
Ion Ratio Lower Upper  
154 100  
153 0.0 87.8 131.6#  
152 0.0 42.2 63.4#

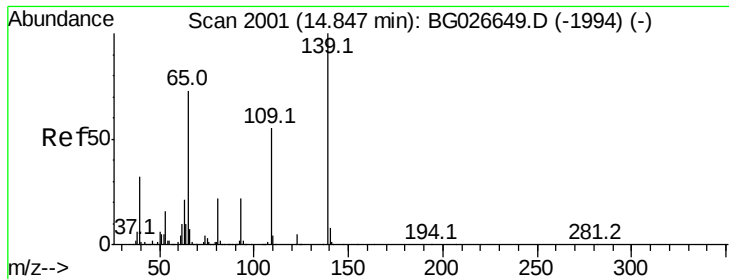


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



Time--> 14.60 14.65

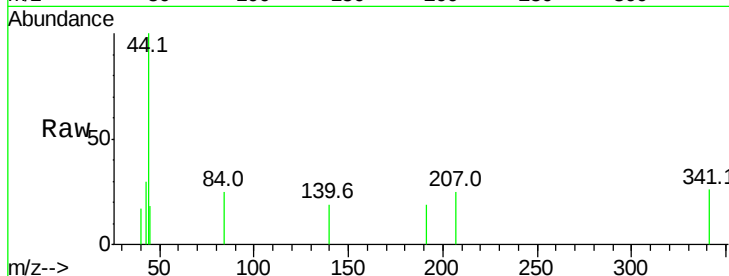




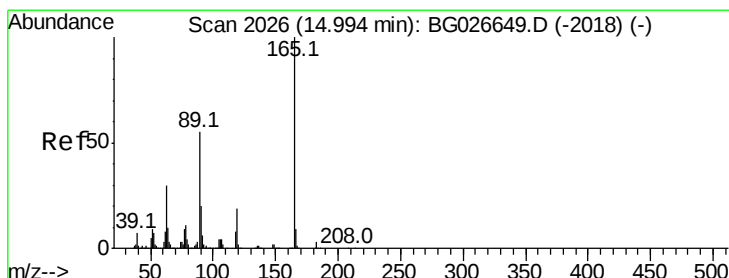
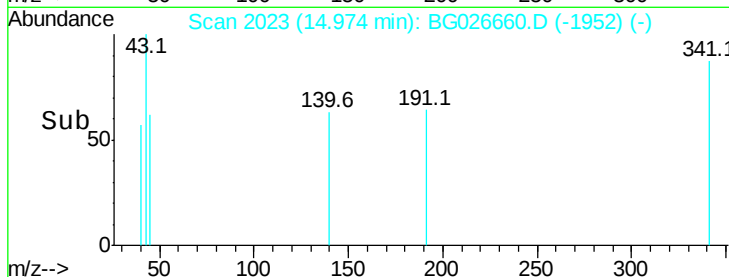
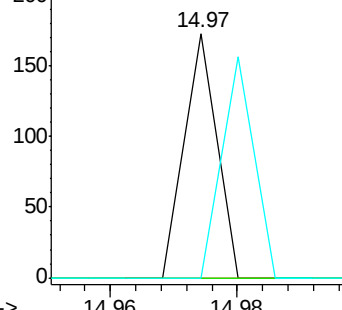
#55  
4-Nitrophenol  
Concen: 0.01 ng  
RT: 14.97 min Scan# 2023  
Delta R.T. 0.12 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 101.2 | 141.2# |
| 65      | 0.0   | 135.3 | 175.3# |

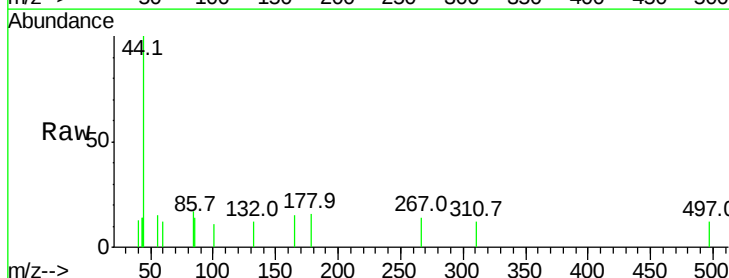


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

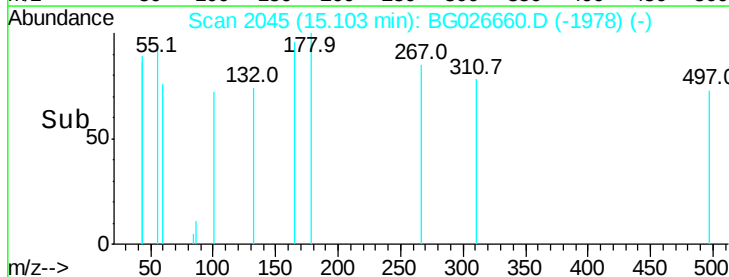
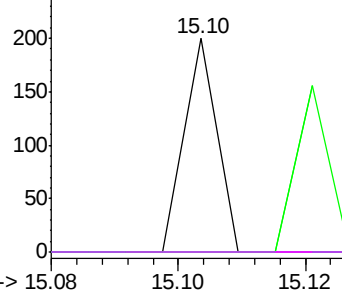


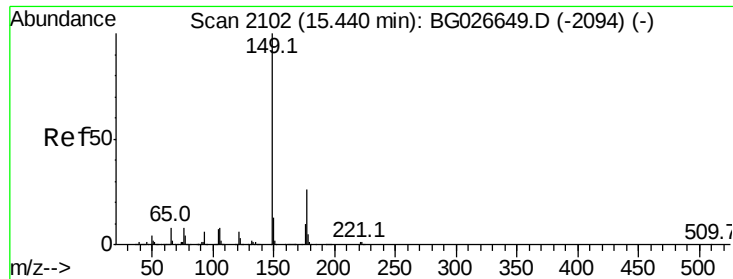
#56  
2,4-Dinitrotoluene  
Concen: 0.01 ng  
RT: 15.10 min Scan# 2045  
Delta R.T. 0.09 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 44.0  | 66.0#  |
| 89      | 0.0   | 67.3  | 100.9# |
| 182     | 0.0   | 3.8   | 5.6#   |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

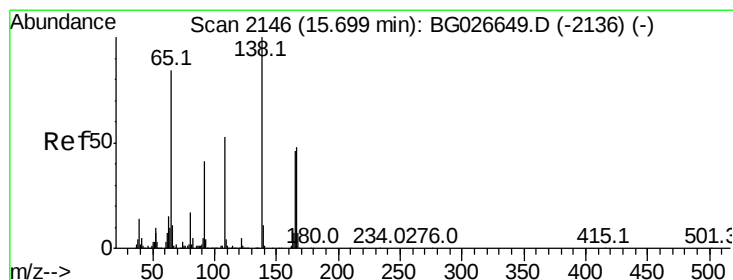
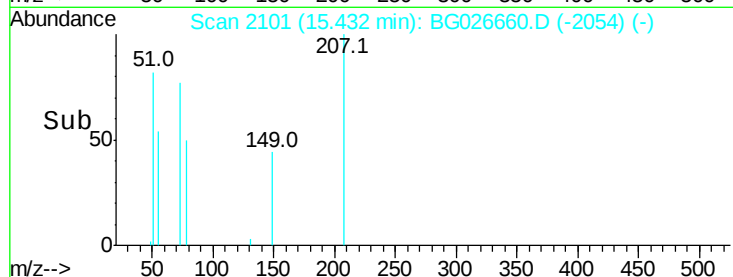
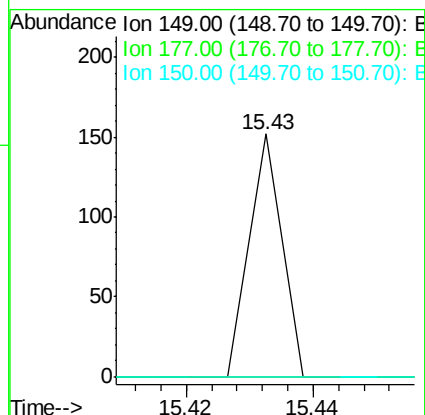
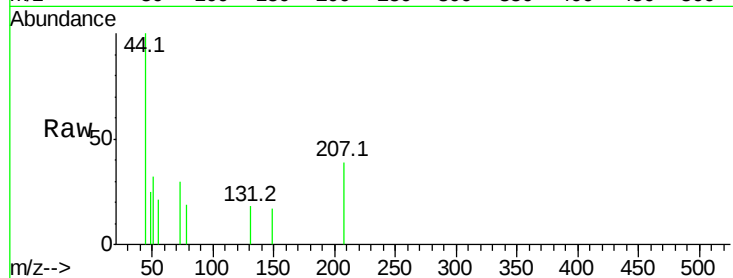




#59  
Diethylphthalate  
Concen: 0.00 ng  
RT: 15.43 min Scan# 2101  
Delta R.T. -0.02 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

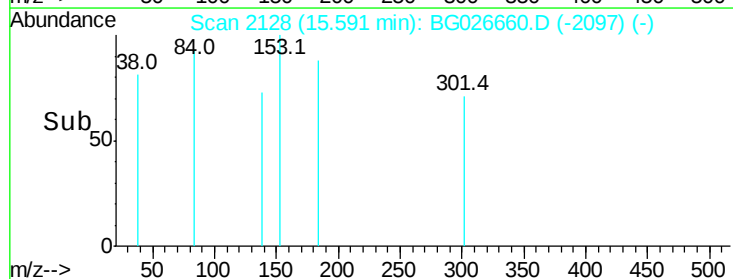
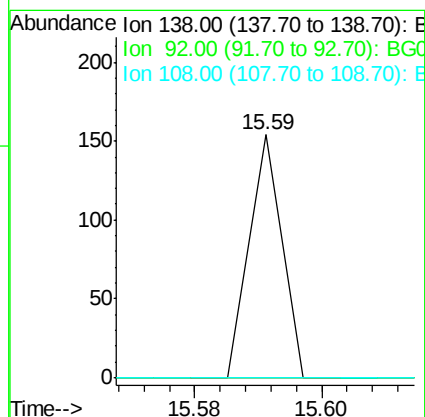
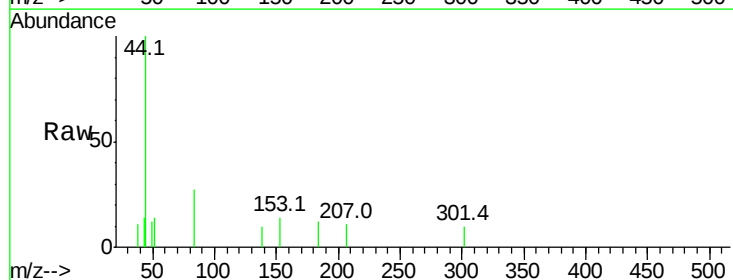
Instrument :  
BNA\_G  
ClientSampleId :

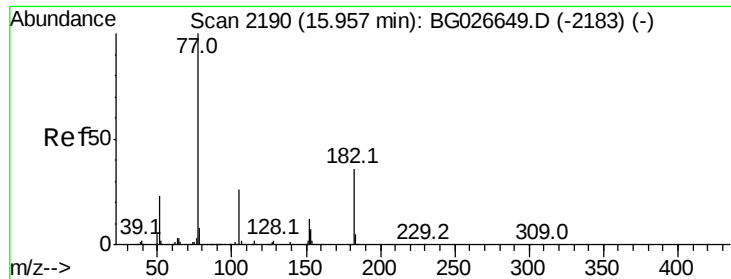
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 0.0   | 20.1  | 30.1# |
| 150     | 0.0   | 10.2  | 15.2# |



#61  
4-Nitroaniline  
Concen: 0.01 ng  
RT: 15.59 min Scan# 2128  
Delta R.T. -0.12 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 0.0   | 44.2  | 84.2#  |
| 108     | 0.0   | 104.8 | 144.8# |

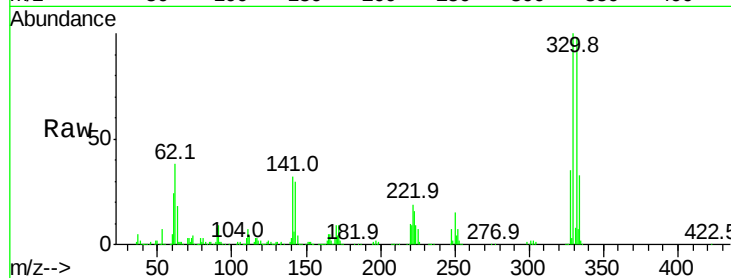




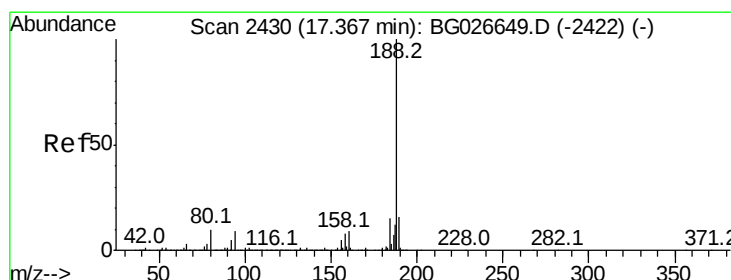
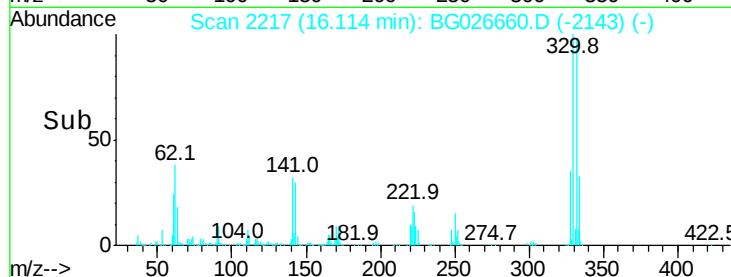
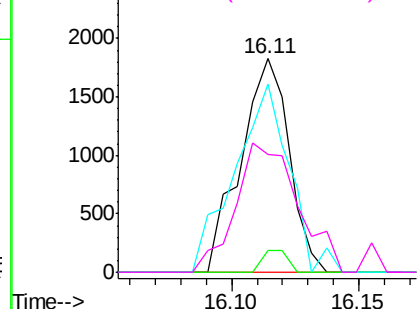
#62  
Azobenzene  
Concen: 0.11 ng  
RT: 16.11 min Scan# 2217  
Delta R.T. 0.13 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 77 Resp: 2436  
Ion Ratio Lower Upper  
77 100  
182 10.3 4.7 44.7  
105 88.1 0.0 36.3#  
51 54.9 16.4 56.4

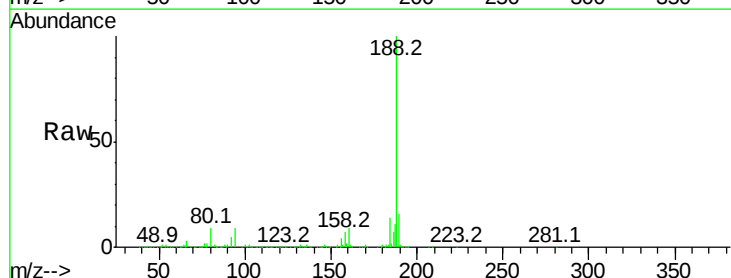


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

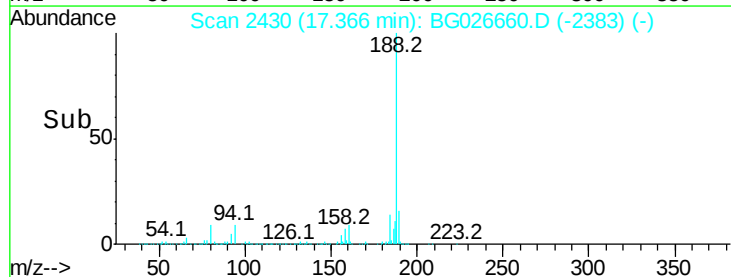
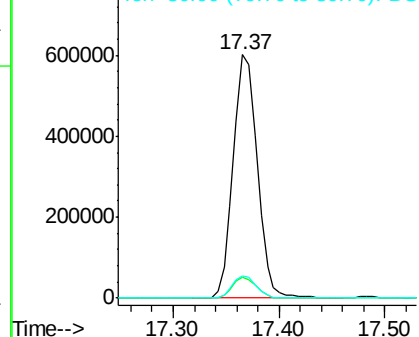


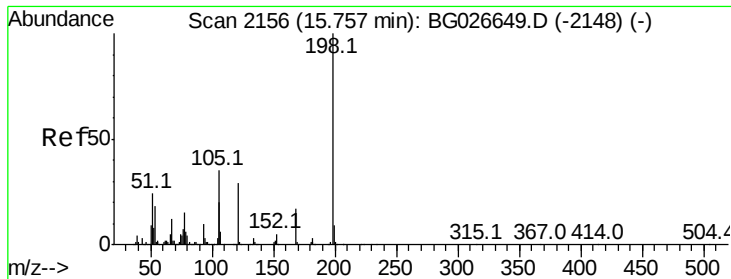
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.37 min Scan# 2430  
Delta R.T. -0.02 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Tgt Ion: 188 Resp: 951302  
Ion Ratio Lower Upper  
188 100  
94 8.6 5.8 8.8  
80 9.2 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

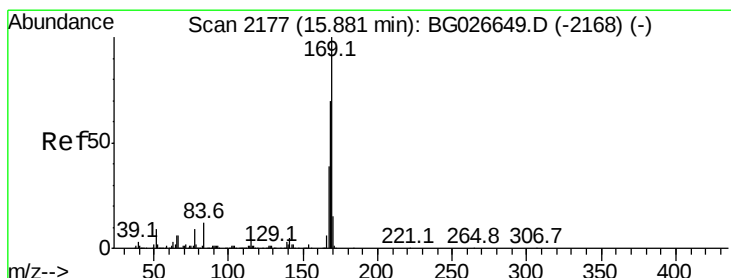
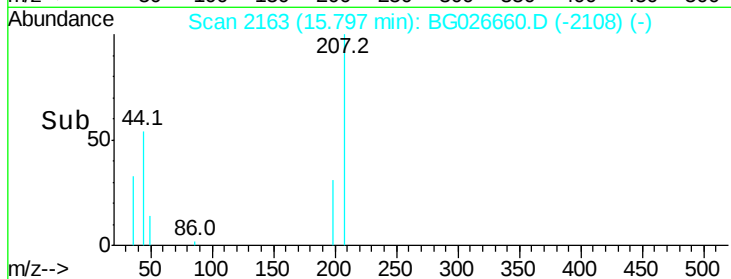
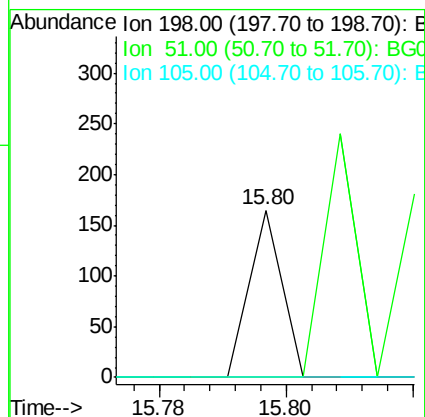
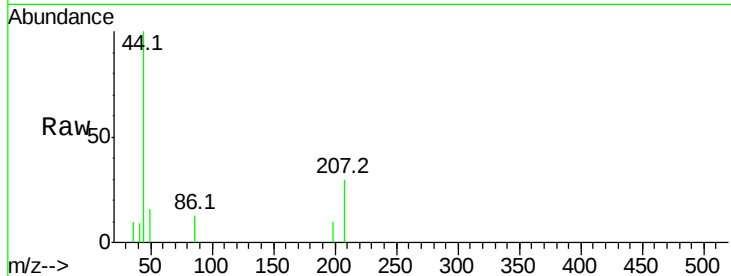




#64  
4,6-Dinitro-2-methylphenol  
Concen: 0.01 ng  
RT: 15.80 min Scan# 2163  
Delta R.T. 0.02 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

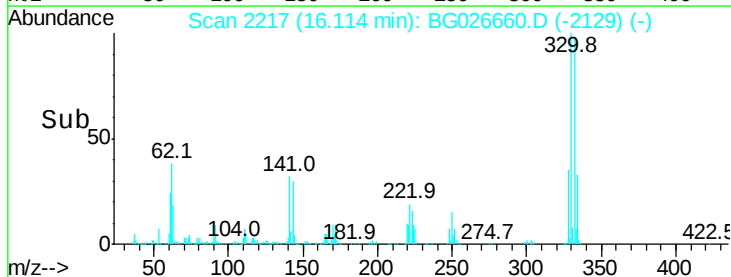
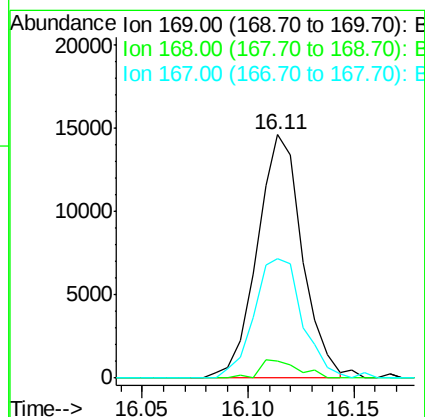
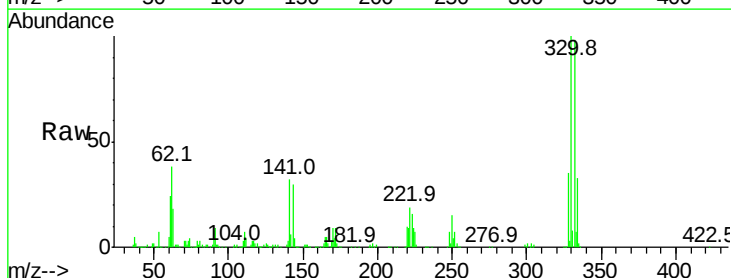
Instrument :  
BNA\_G  
ClientSampleId :

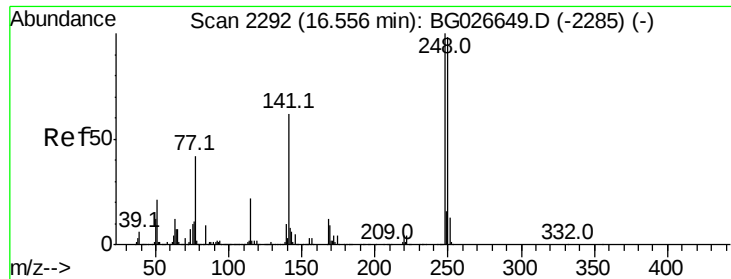
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 0.0   | 22.6  | 62.6# |
| 105     | 0.0   | 14.4  | 54.4# |



#65  
n-Nitrosodiphenylamine  
Concen: 0.79 ng  
RT: 16.11 min Scan# 2217  
Delta R.T. 0.22 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 7.2   | 55.7  | 83.5# |
| 167     | 49.2  | 29.8  | 44.6# |

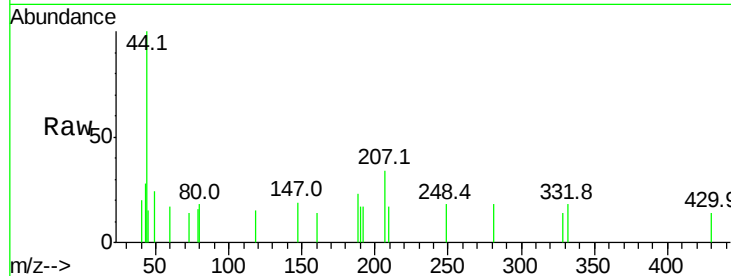




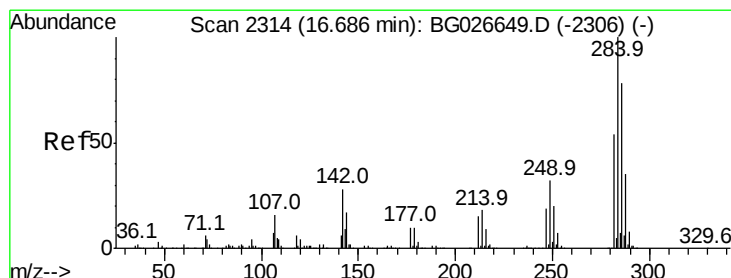
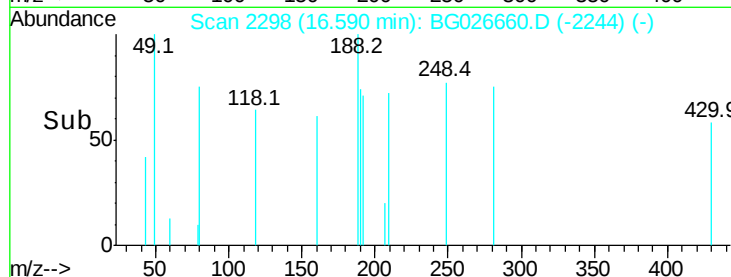
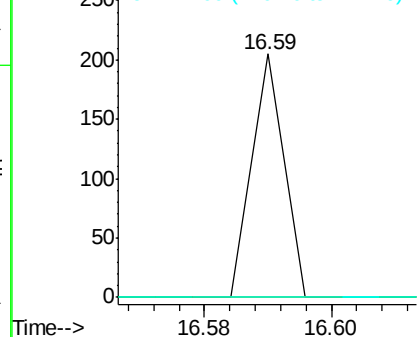
#66  
4-Bromophenyl-phenylether  
Concen: 0.01 ng  
RT: 16.59 min Scan# 2298  
Delta R.T. 0.02 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 0.0   | 75.0  | 112.6# |
| 141     | 0.0   | 55.2  | 82.8#  |

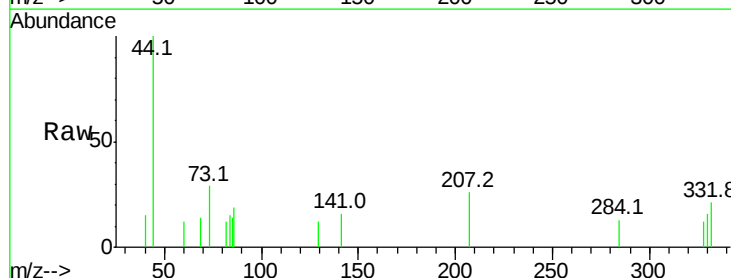


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

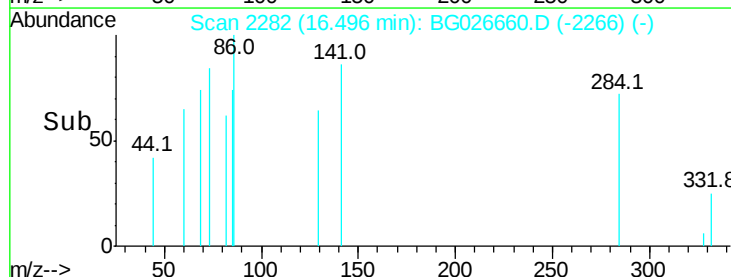
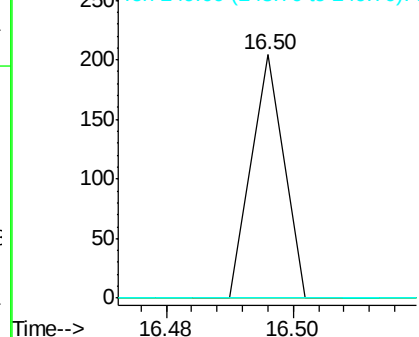


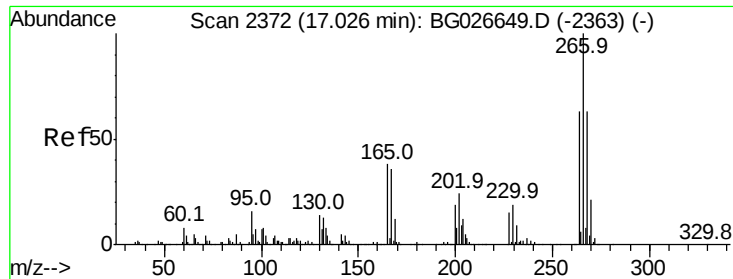
#67  
Hexachlorobenzene  
Concen: 0.01 ng  
RT: 16.50 min Scan# 2282  
Delta R.T. -0.21 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 29.9  | 44.9# |
| 249     | 0.0   | 29.2  | 43.8# |



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

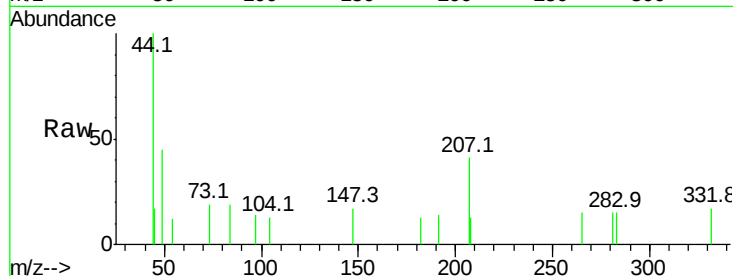




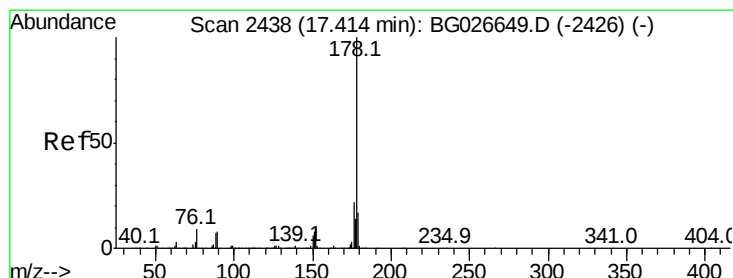
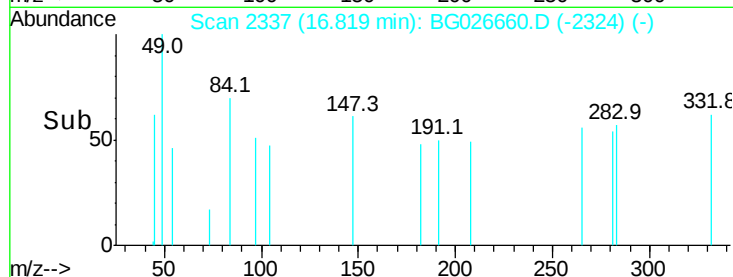
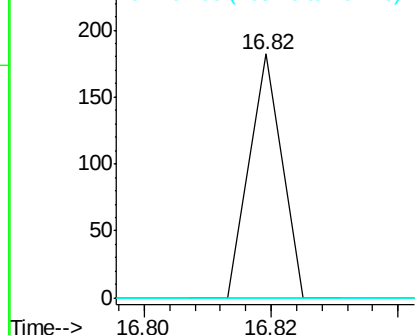
#69  
 Pentachlorophenol  
 Concen: 0.01 ng  
 RT: 16.82 min Scan# 2337  
 Delta R.T. -0.22 min  
 Lab File: BG026660.D  
 Acq: 19 Apr 2017 17:33

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 0.0   | 48.6  | 72.8# |
| 264     | 0.0   | 50.1  | 75.1# |

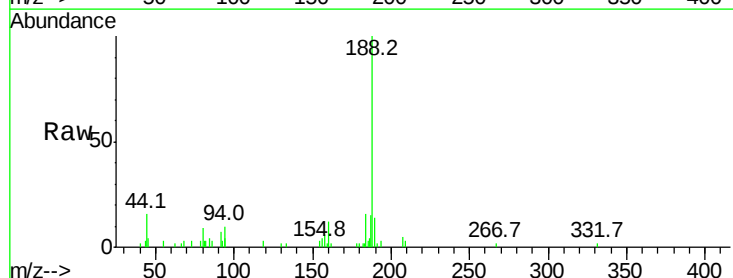


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

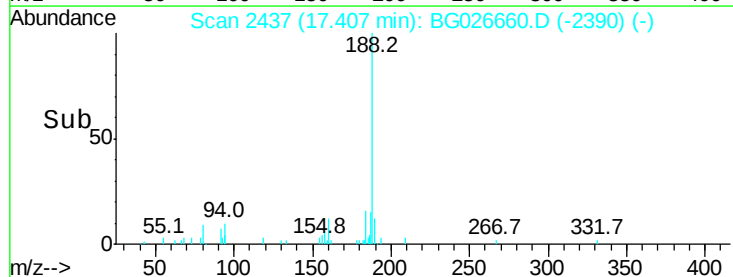
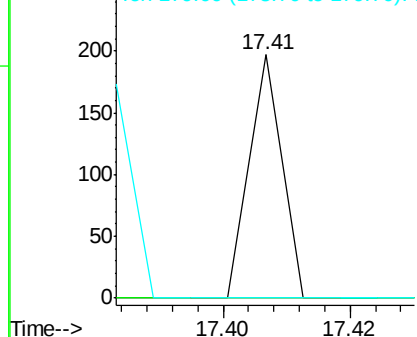


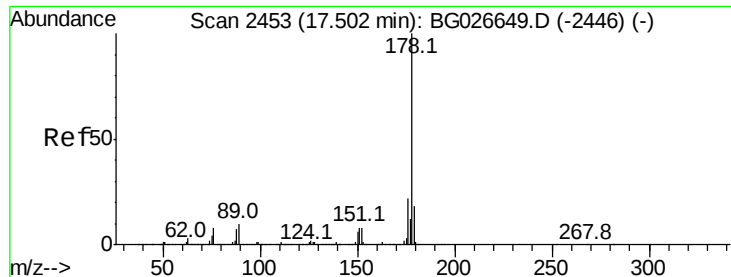
#70  
 Phenanthrene  
 Concen: 0.00 ng  
 RT: 17.41 min Scan# 2437  
 Delta R.T. -0.02 min  
 Lab File: BG026660.D  
 Acq: 19 Apr 2017 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 0.0   | 17.7  | 26.5# |
| 179     | 0.0   | 15.0  | 22.6# |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.00 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.11 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampled :

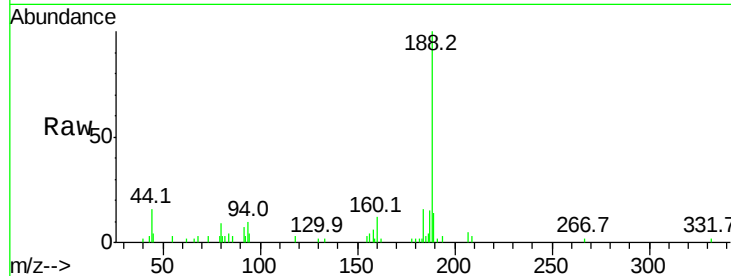
Tot Ion:178 Resp: 69

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

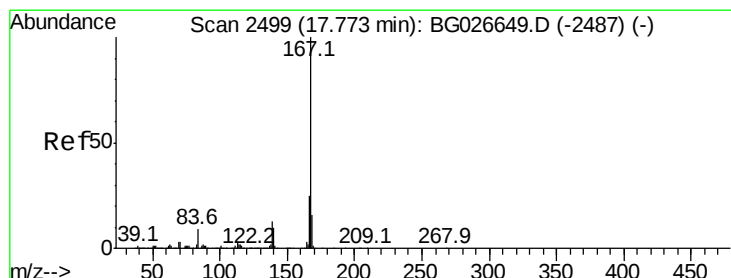
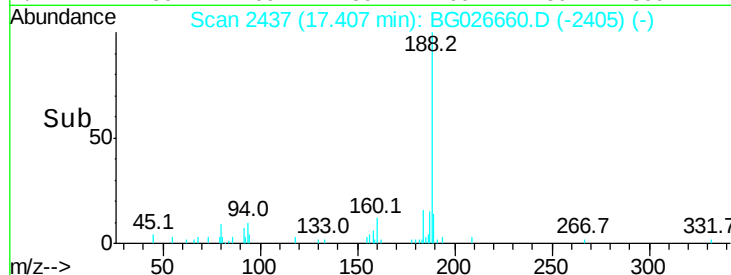
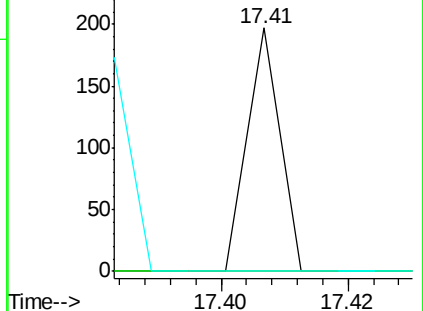
179 0.0 13.8 20.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 0.00 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

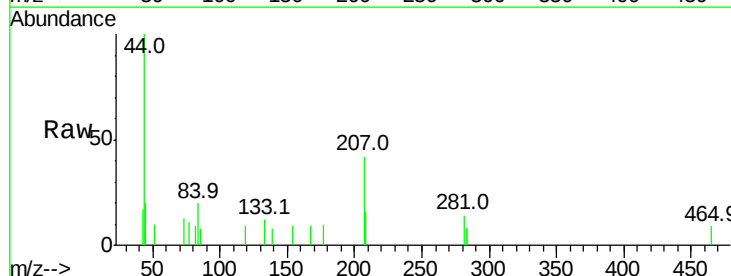
Tgt Ion:167 Resp: 56

Ion Ratio Lower Upper

167 100

166 0.0 20.2 30.2#

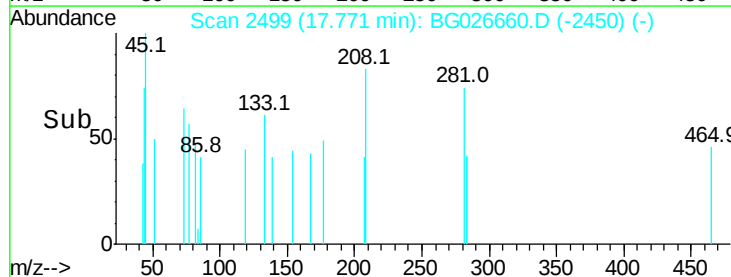
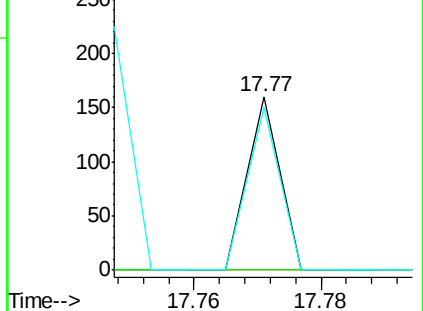
139 94.4 12.8 19.2#

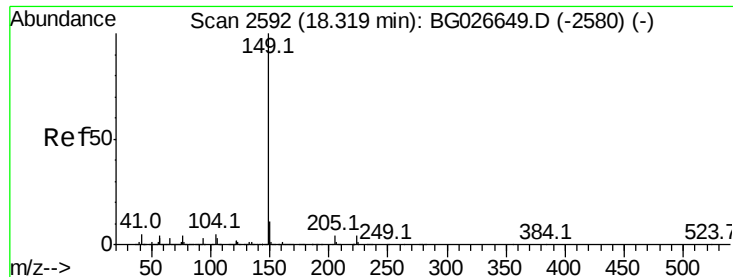


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.06 ng

RT: 18.32 min Scan# 2592

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

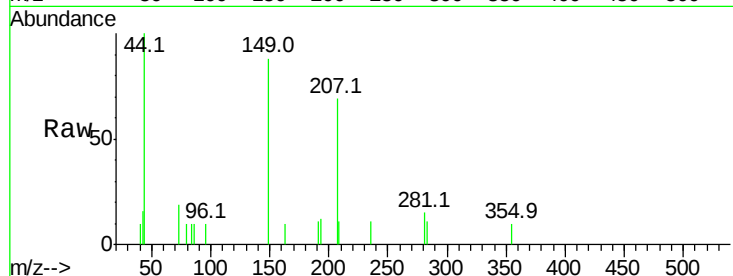
Tot Ion:149 Resp: 3004

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

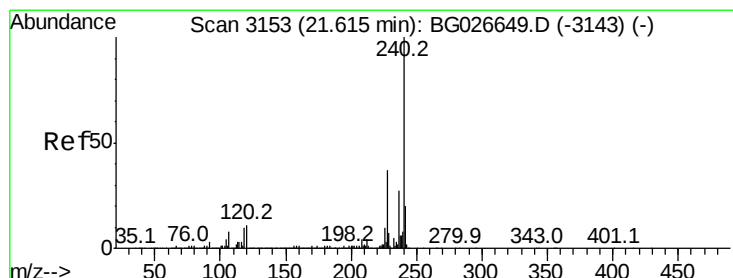
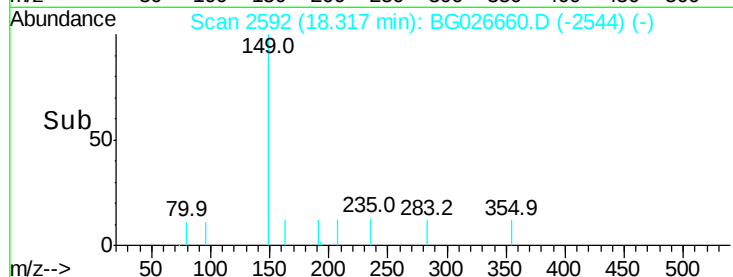
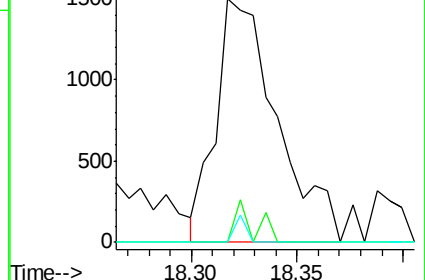
104 0.0 6.7 10.1#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

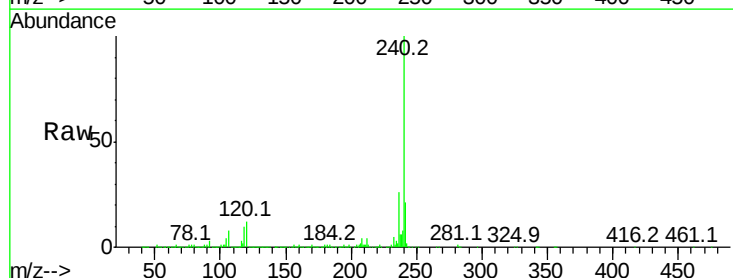
Tgt Ion:240 Resp: 1248156

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

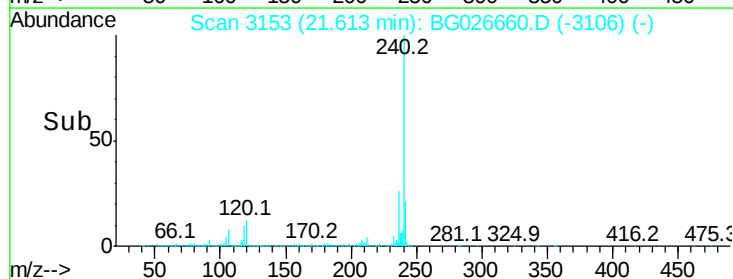
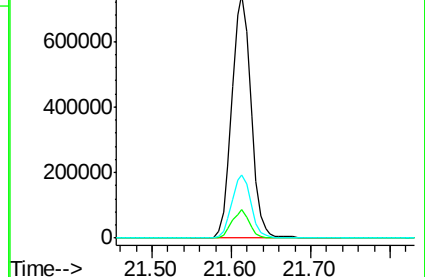
236 25.8 22.2 33.4

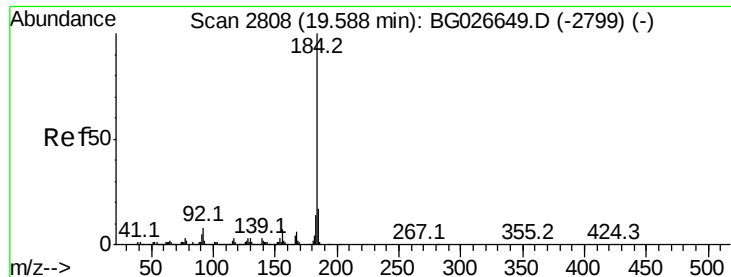


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 3.72 ng

RT: 19.60 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

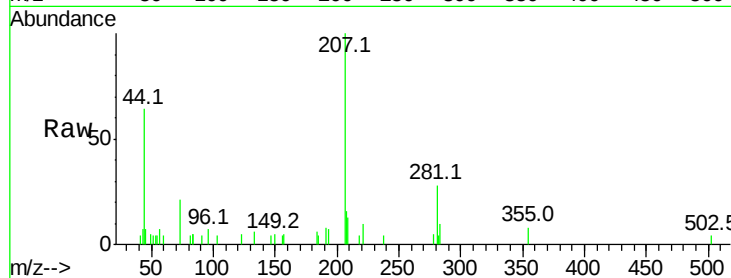
Tot Ion:184 Resp: 194

Ion Ratio Lower Upper

184 100

185 73.7 13.0 19.6#

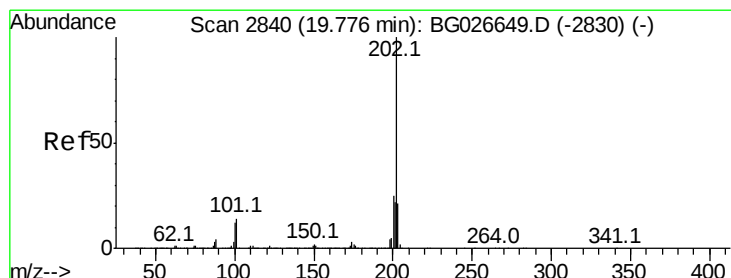
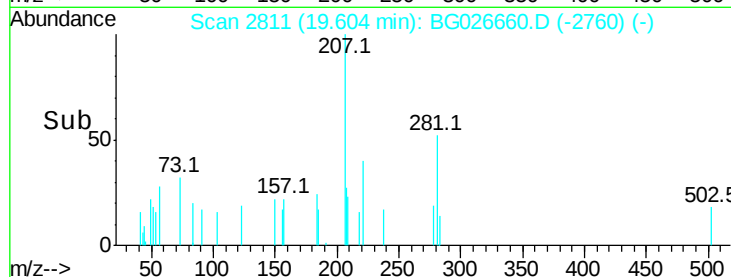
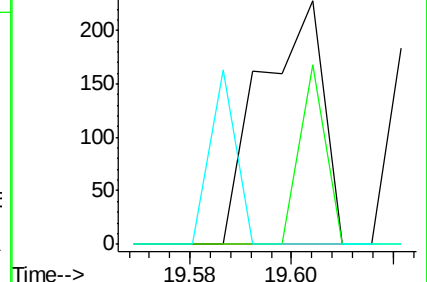
183 0.0 11.0 16.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.22 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.18 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

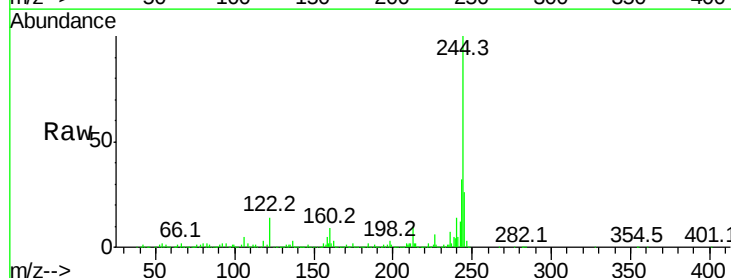
Tgt Ion:202 Resp: 14498

Ion Ratio Lower Upper

202 100

200 42.8 19.6 29.4#

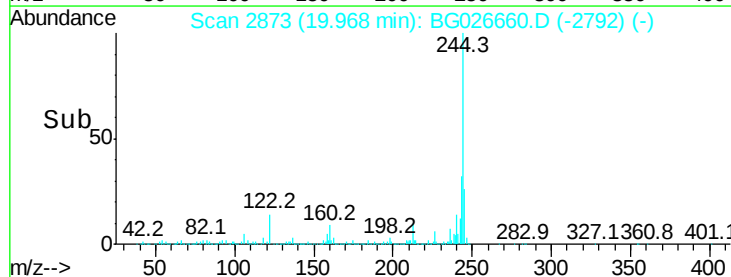
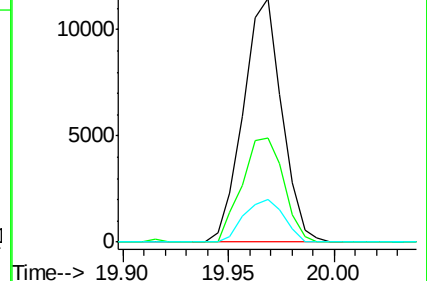
203 17.4 15.8 23.8

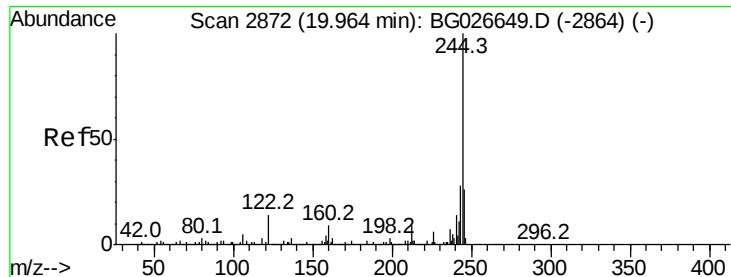


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.63 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

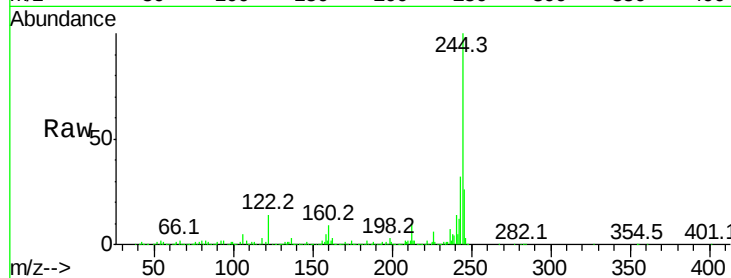
Tot Ion:244 Resp: 3577974

Ion Ratio Lower Upper

244 100

212 9.7 10.0 15.0#

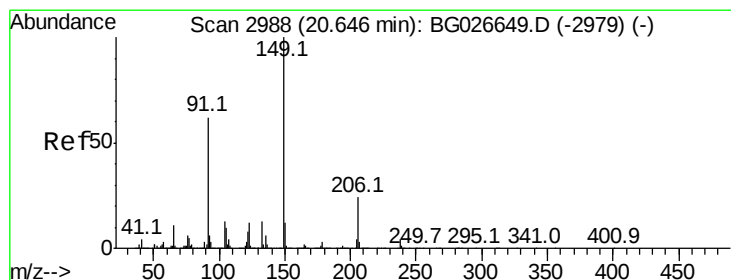
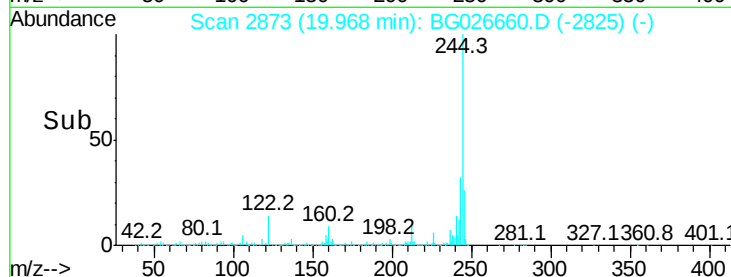
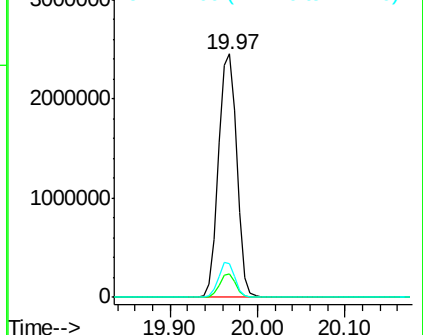
122 13.7 8.6 12.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 20.64 min Scan# 2988

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

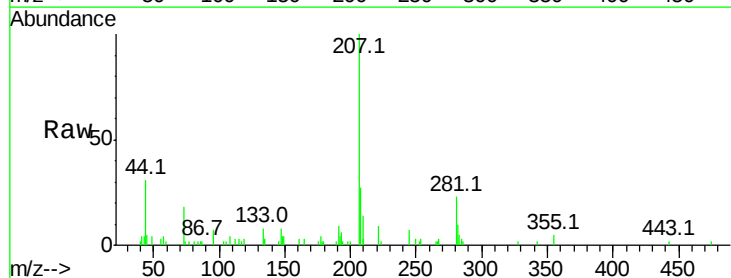
Tgt Ion:149 Resp: 444

Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

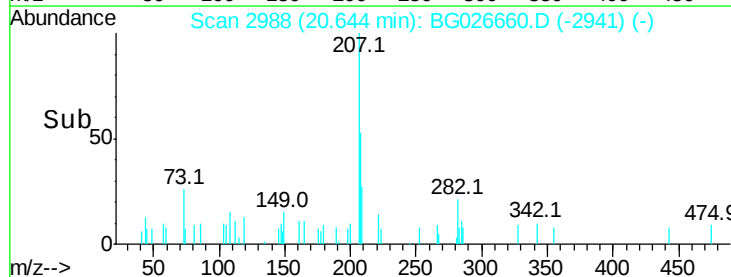
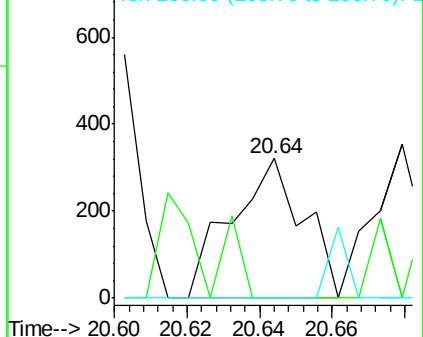
206 0.0 21.0 31.6#

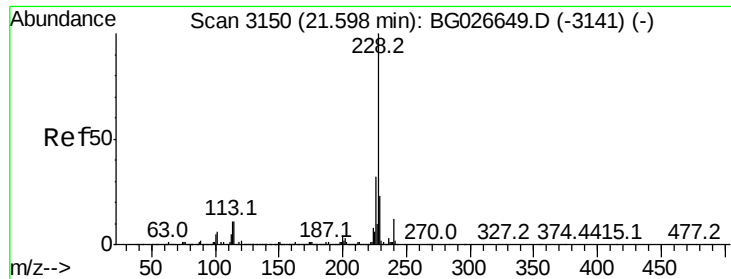


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.05 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

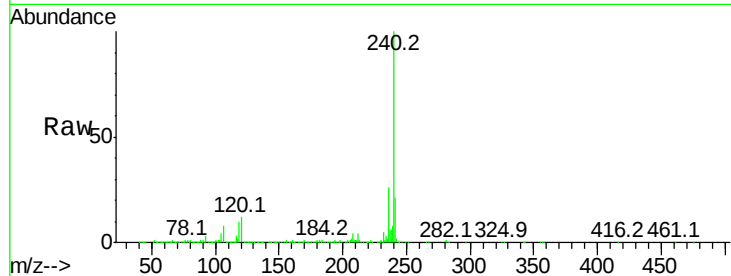
Tot Ion:228 Resp: 3120

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

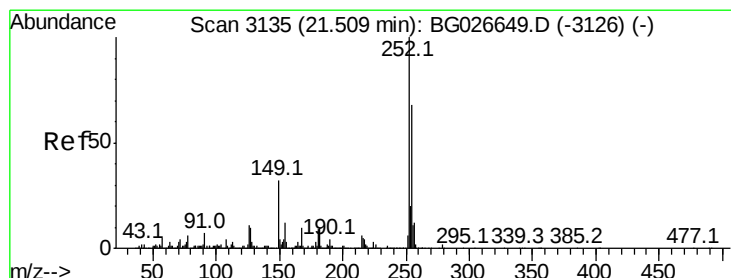
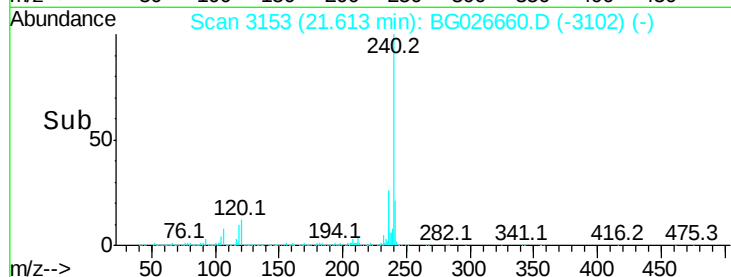
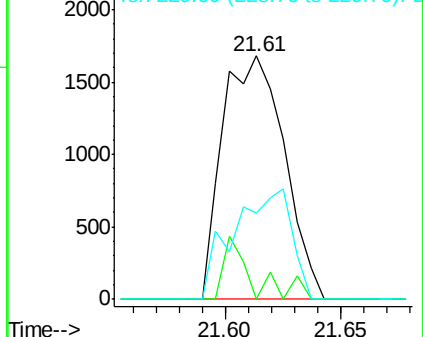
229 35.5 18.2 27.2#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.00 ng

RT: 21.48 min Scan# 3130

Delta R.T. -0.05 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

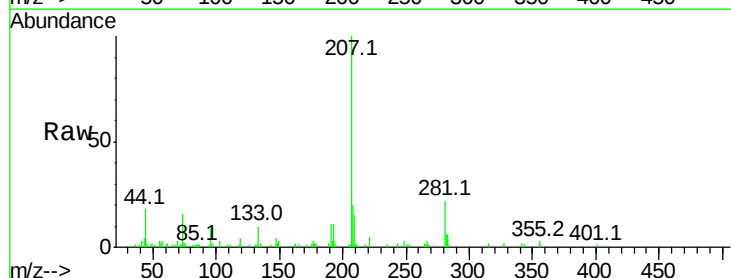
Tgt Ion:252 Resp: 116

Ion Ratio Lower Upper

252 100

254 0.0 53.1 79.7#

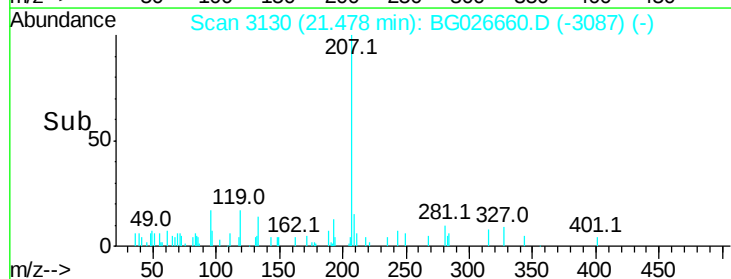
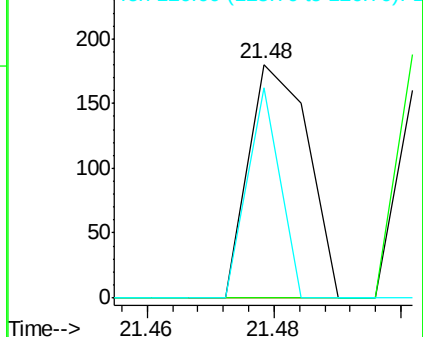
126 90.0 7.0 10.4#

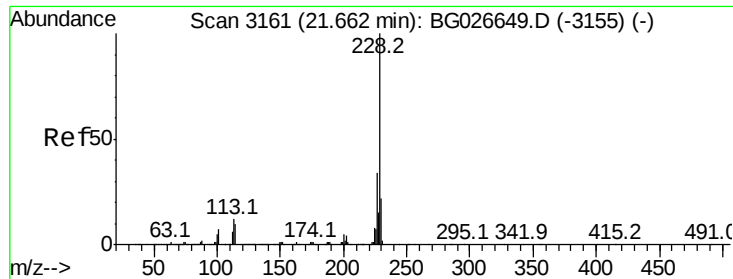


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.05 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.07 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

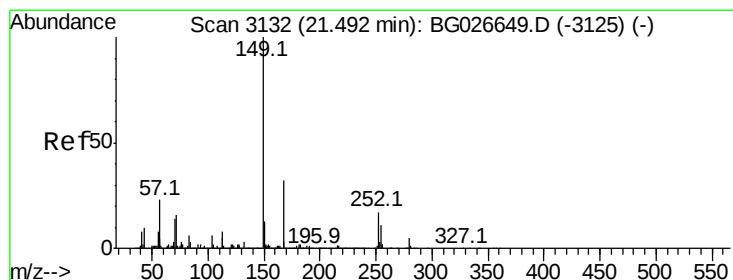
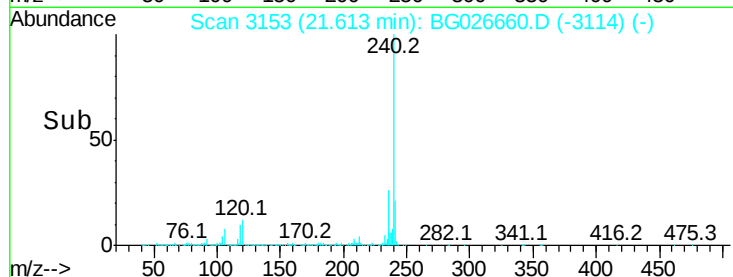
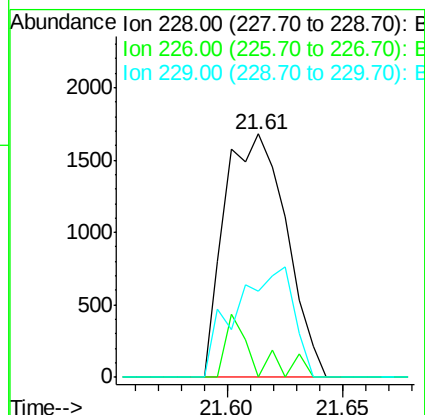
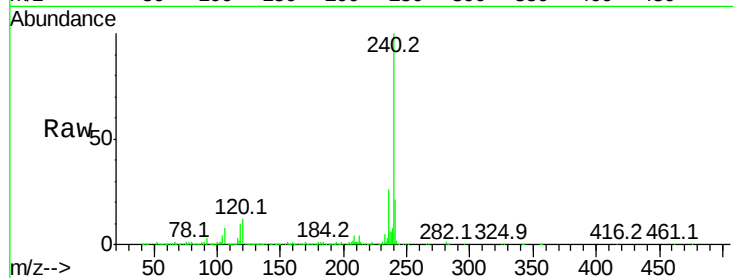
Tot Ion:228 Resp: 3120

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

229 35.5 17.8 26.6#



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng

RT: 21.50 min Scan# 3134

Delta R.T. -0.01 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

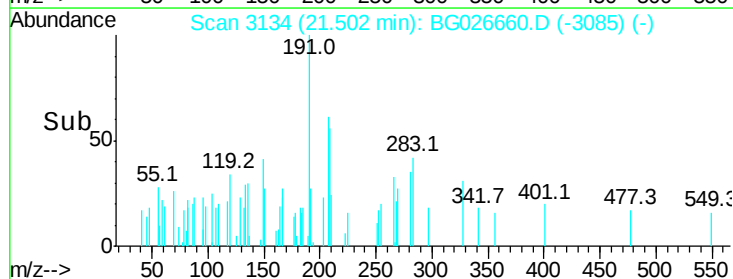
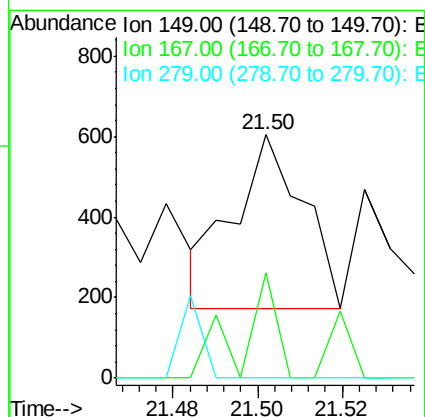
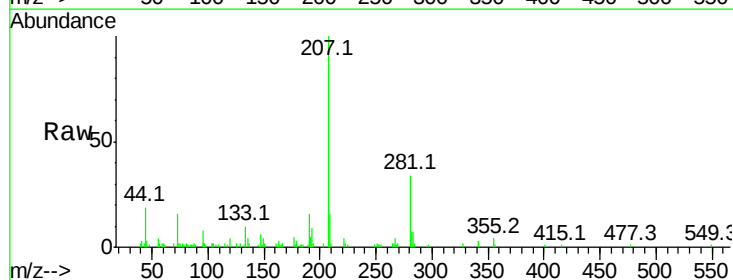
Tgt Ion:149 Resp: 490

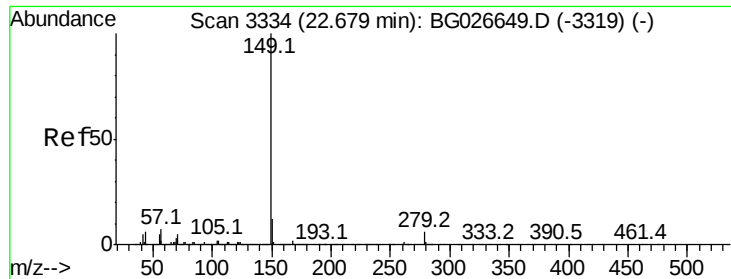
Ion Ratio Lower Upper

149 100

167 43.1 23.7 35.5#

279 0.0 4.6 6.8#





#84

Di-n-octyl phthalate

Concen: 0.00 ng

RT: 22.67 min Scan# 3333

Delta R.T. -0.04 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampleId :

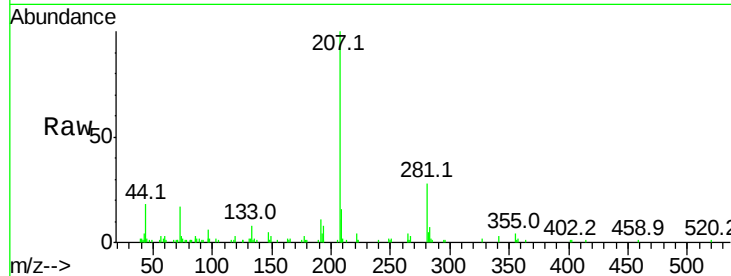
Tot Ion:149 Resp: 296

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

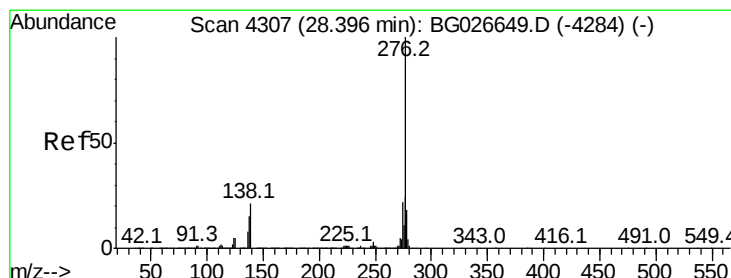
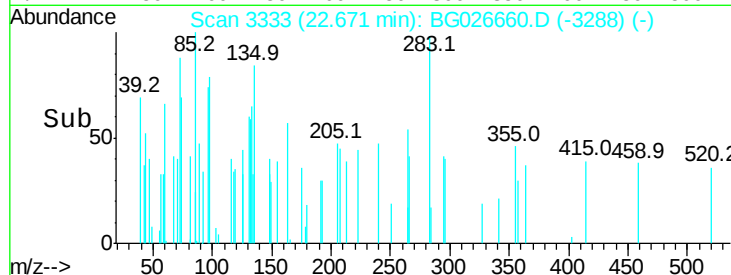
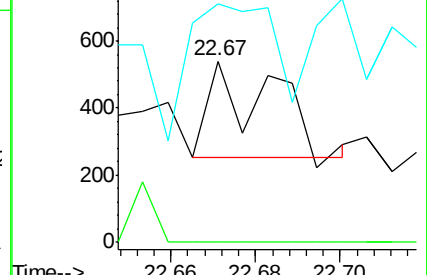
43 196.3 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng

RT: 28.44 min Scan# 4315

Delta R.T. -0.02 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

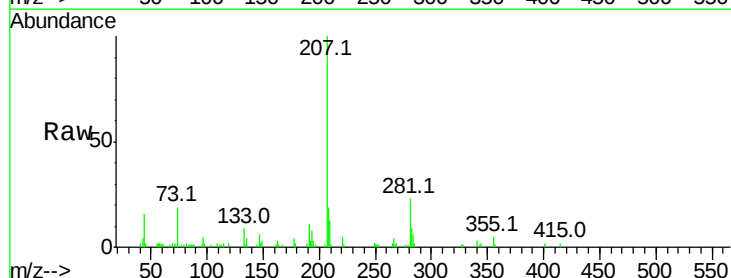
Tgt Ion:276 Resp: 81

Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1#

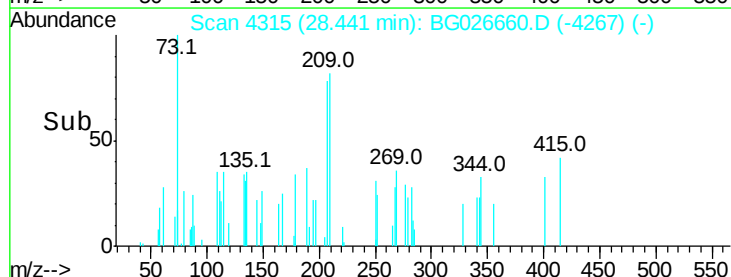
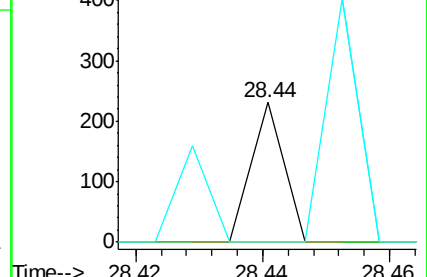
277 175.3 20.6 31.0#

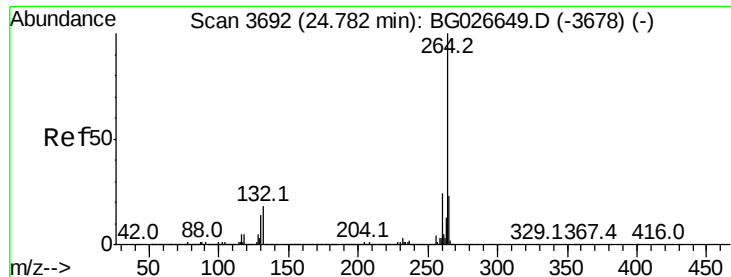


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



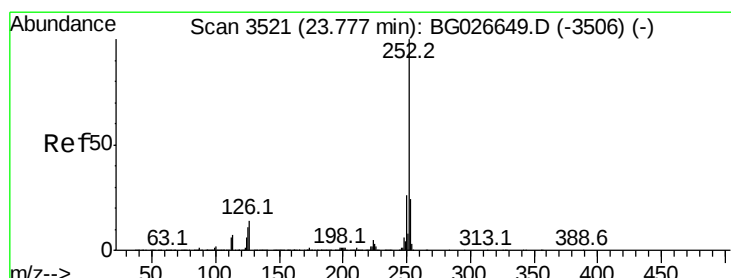
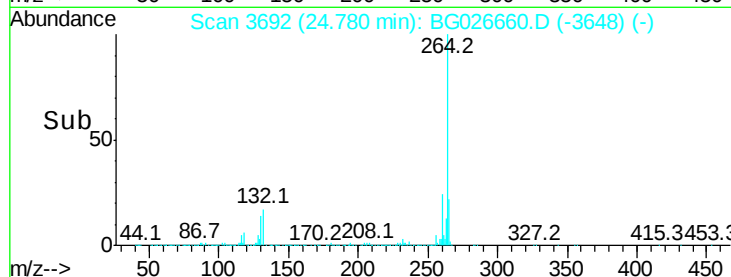
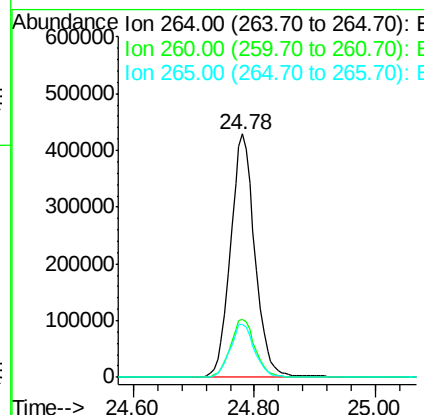
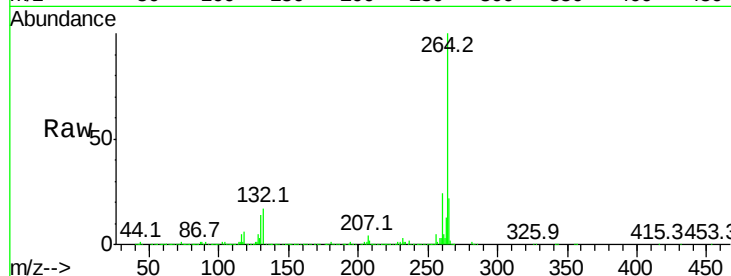


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.78 min Scan# 3692  
Delta R.T. -0.04 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:264 Resp: 1201100  

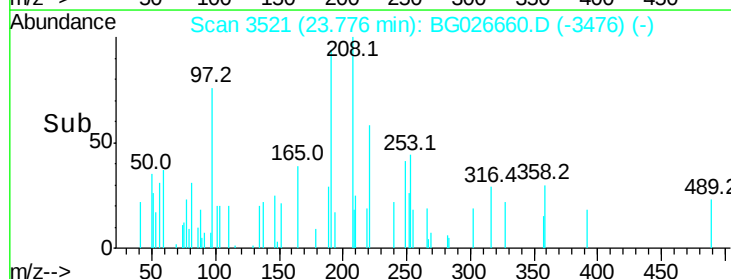
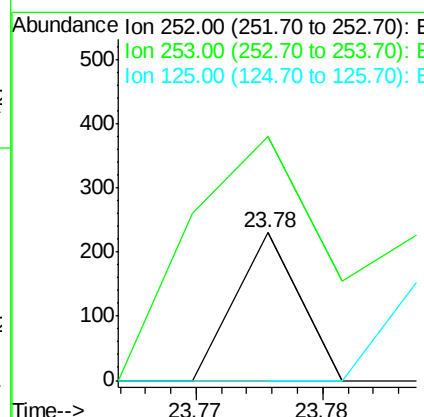
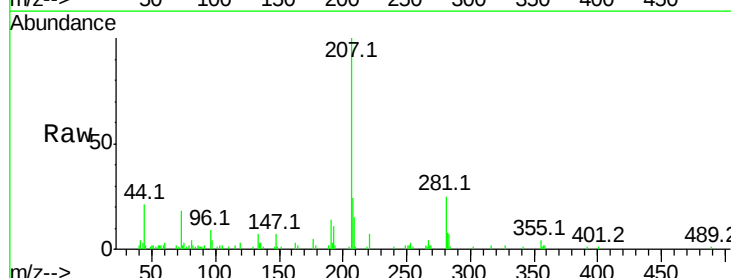
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 21.8  | 32.8  |
| 265 | 21.9  | 18.2  | 27.4  |

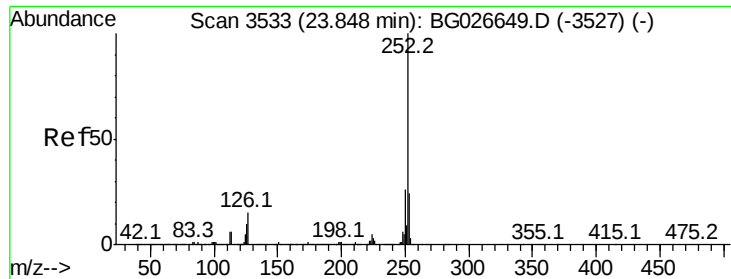


#87  
Benzo(b)fluoranthene  
Concen: 0.00 ng  
RT: 23.78 min Scan# 3521  
Delta R.T. -0.04 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Tgt Ion:252 Resp: 81  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 164.8 | 18.7  | 28.1# |
| 125 | 0.0   | 5.3   | 7.9#  |

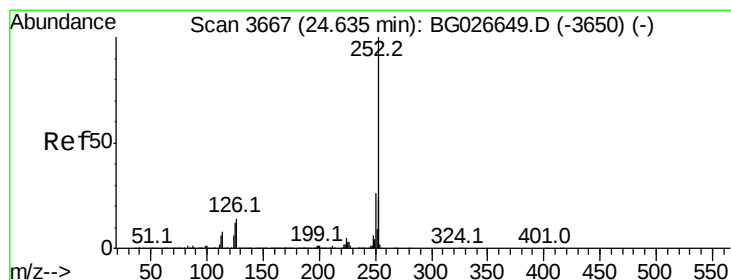
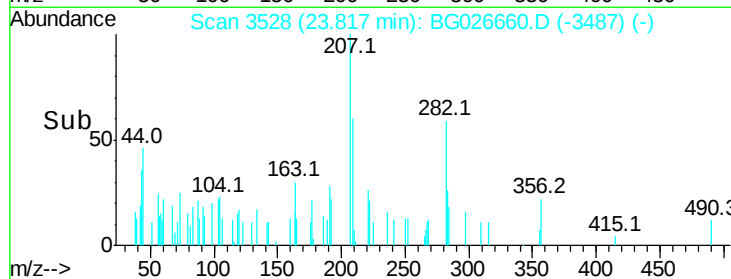
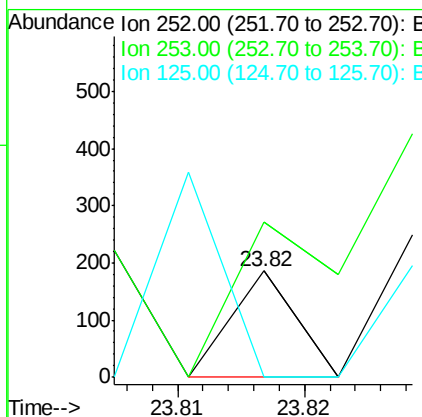
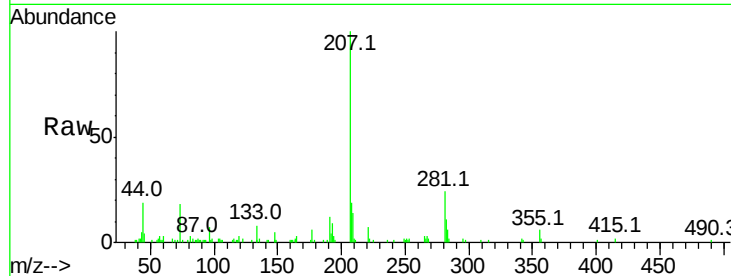




#88  
Benzo(k)fluoranthene  
Concen: 0.00 ng  
RT: 23.82 min Scan# 3528  
Delta R.T. -0.06 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

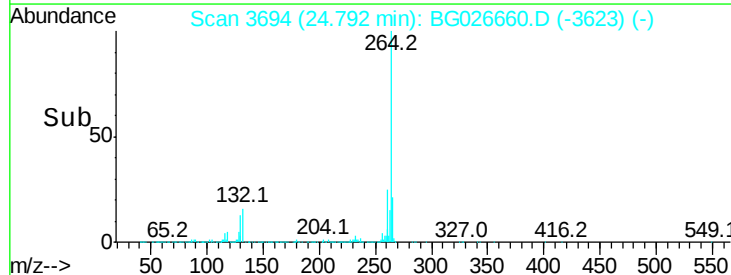
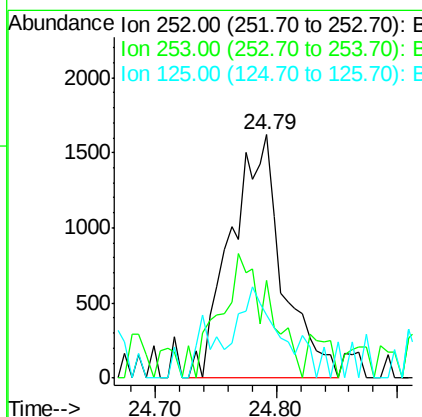
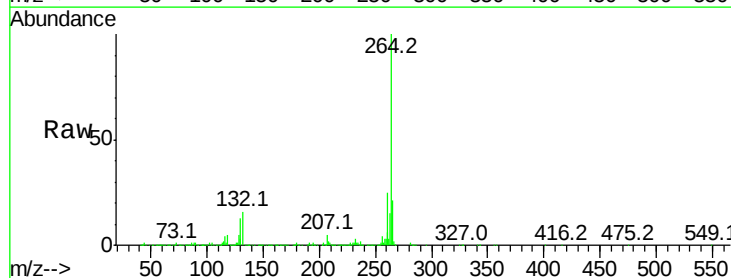
Instrument :  
BNA\_G  
ClientSampleId :

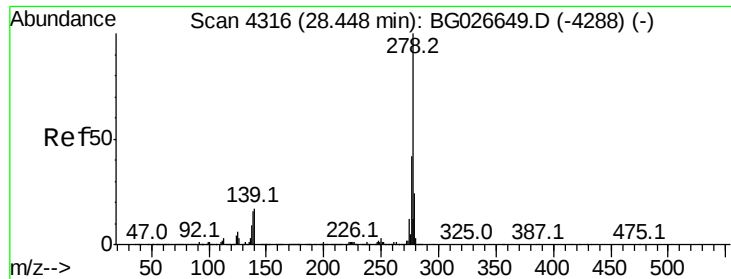
Tot Ion:252 Resp: 66  
Ion Ratio Lower Upper  
252 100  
253 146.2 20.2 30.2#  
125 0.0 5.1 7.7#



#89  
Benzo(a)pyrene  
Concen: 0.07 ng  
RT: 24.79 min Scan# 3694  
Delta R.T. 0.12 min  
Lab File: BG026660.D  
Acq: 19 Apr 2017 17:33

Tgt Ion:252 Resp: 4825  
Ion Ratio Lower Upper  
252 100  
253 40.2 19.2 28.8#  
125 26.0 5.4 8.0#





#90

Dibenzo(a,h)anthracene

Concen: 0.00 ng

RT: 28.48 min Scan# 4322

Delta R.T. -0.03 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

Instrument :

BNA\_G

ClientSampled :

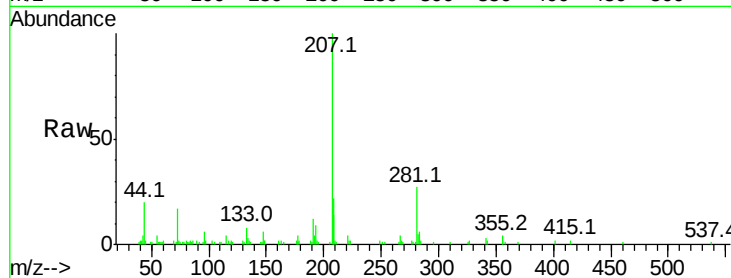
Tot Ion:278 Resp: 119

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

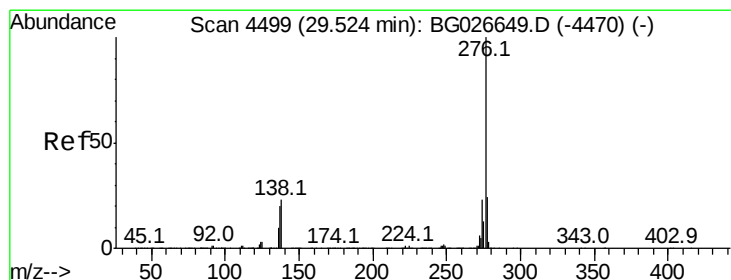
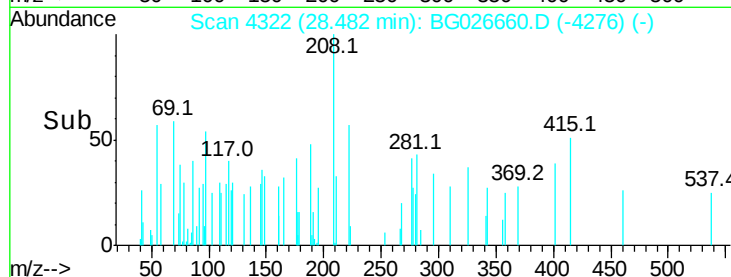
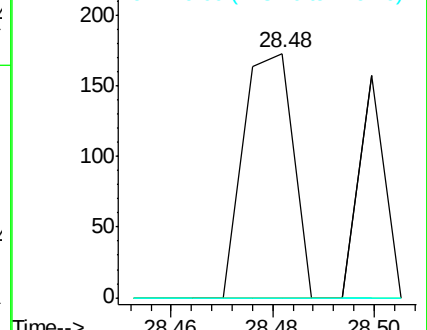
279 0.0 19.1 28.7#



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



#91

Benzo(g,h,i)perylene

Concen: 0.00 ng

RT: 29.54 min Scan# 4502

Delta R.T. -0.05 min

Lab File: BG026660.D

Acq: 19 Apr 2017 17:33

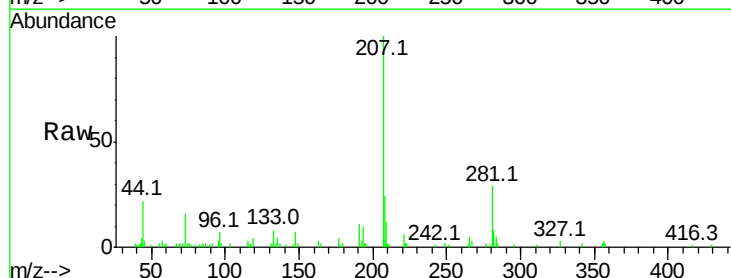
Tgt Ion:276 Resp: 94

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 0.0 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

