

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG010915\  
 Data File : BG015888.D  
 Acq On : 10 Jan 2015 4:24  
 Operator : TP/IZ  
 Sample : G1044-03MSD  
 Misc : W  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 10 05:57:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG010515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 06 08:46:19 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 32694    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.52 | 136  | 114607   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.37 | 164  | 91536    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.12 | 188  | 210384   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 301703   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.57 | 264  | 237481   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.34  | 112 | 123697  | 32.54 | ng | 0.01 |
| 7) Phenol-d6             | 6.93  | 99  | 113271  | 21.39 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 8.89  | 82  | 269188  | 46.09 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.87 | 330 | 255536  | 73.44 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.99 | 172 | 603493  | 47.09 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.75 | 244 | 1144910 | 42.40 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 21929  | 25.15 | ng | 97     |
| 3) Pyridine                    | 3.65  | 79  | 32560  | 13.62 | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 3.56  | 42  | 34582  | 33.67 | ng | # 36   |
| 6) Aniline                     | 7.07  | 93  | 73074  | 20.42 | ng | 95     |
| 8) 2-Chlorophenol              | 7.31  | 128 | 85248  | 43.51 | ng | 91     |
| 9) Benzaldehyde                | 6.88  | 77  | 77483  | 43.46 | ng | # 65   |
| 10) Phenol                     | 6.96  | 94  | 85204  | 29.56 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.17  | 93  | 110208 | 51.88 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.62  | 146 | 93662  | 39.88 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.77  | 146 | 119131 | 49.70 | ng | 90     |
| 14) 1,2-Dichlorobenzene        | 8.08  | 146 | 119805 | 52.66 | ng | 87     |
| 15) Benzyl Alcohol             | 7.98  | 79  | 73165  | 28.30 | ng | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.27  | 45  | 61144  | 45.07 | ng | 92     |
| 17) 2-Methylphenol             | 8.20  | 107 | 78340  | 39.85 | ng | # 92   |
| 18) Hexachloroethane           | 8.81  | 117 | 49489  | 44.73 | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.54  | 70  | 84901  | 41.10 | ng | # 95   |
| 20) 3+4-Methylphenols          | 8.52  | 107 | 160492 | 61.21 | ng | # 83   |
| 22) Acetophenone               | 8.55  | 105 | 173953 | 51.77 | ng | # 93   |
| 24) Nitrobenzene               | 8.93  | 77  | 144704 | 49.18 | ng | 97     |
| 25) Isophorone                 | 9.45  | 82  | 229252 | 44.26 | ng | # 97   |
| 26) 2-Nitrophenol              | 9.63  | 139 | 48625  | 43.13 | ng | # 90   |
| 27) 2,4-Dimethylphenol         | 9.72  | 122 | 104203 | 55.24 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 9.93  | 93  | 136440 | 53.39 | ng | # 54   |
| 29) 2,4-Dichlorophenol         | 10.18 | 162 | 86680  | 45.49 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.38 | 180 | 109076 | 43.70 | ng | 91     |
| 31) Naphthalene                | 10.57 | 128 | 566434 | 93.32 | ng | 99     |
| 32) Benzoic acid               | 9.92  | 122 | 71696  | 66.98 | ng | # 84   |
| 33) 4-Chloroaniline            | 10.69 | 127 | 16988  | 6.87  | ng | 91     |
| 34) Hexachlorobutadiene        | 10.85 | 225 | 99203  | 42.76 | ng | 90     |
| 36) 4-Chloro-3-methylphenol    | 11.84 | 107 | 111590 | 44.95 | ng | 89     |
| 37) 2-Methylnaphthalene        | 12.18 | 142 | 248245 | 54.63 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216 | 154176 | 45.28 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.53 | 237 | 112606 | 43.65 | ng | 98     |
| 42) 2,4,6-Trichlorophenol      | 12.81 | 196 | 94379  | 45.17 | ng | 94     |

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 Misc : W  
 ALS Vial : 24 Sample Multiplier: 1

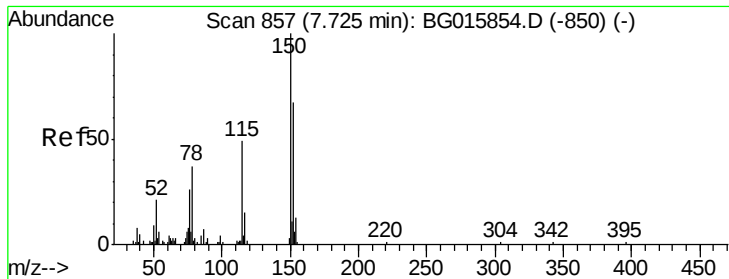
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 10 05:57:47 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG010515.M  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 43) 2,4,5-Trichlorophenol      | 12.88 | 196  | 98063    | 42.85 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.20 | 154  | 287583   | 44.00 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.24 | 162  | 224380   | 43.08 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.46 | 65   | 83592    | 49.08 | ng    | 95       |
| 48) Acenaphthylene             | 14.09 | 152  | 358357   | 40.23 | ng    | 98       |
| 49) Dimethylphthalate          | 13.83 | 163  | 317191   | 46.96 | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 13.96 | 165  | 67807    | 46.56 | ng    | 96       |
| 51) Acenaphthene               | 14.44 | 154  | 233493   | 44.63 | ng    | 92       |
| 52) 3-Nitroaniline             | 14.29 | 138  | 15848    | 11.44 | ng    | # 79     |
| 53) 2,4-Dinitrophenol          | 14.50 | 184  | 62536    | 61.90 | ng    | 97       |
| 54) Dibenzofuran               | 14.77 | 168  | 375746   | 44.27 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.64 | 139  | 35837    | 31.40 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 14.75 | 165  | 97027    | 46.25 | ng    | 90       |
| 57) Fluorene                   | 15.42 | 166  | 302833   | 43.78 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.01 | 232  | 112914   | 43.73 | ng    | # 99     |
| 59) Diethylphthalate           | 15.20 | 149  | 347108   | 46.54 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.42 | 204  | 201163   | 44.53 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.46 | 138  | 51747    | 31.77 | ng    | # 86     |
| 62) Azobenzene                 | 15.71 | 77   | 343496   | 42.73 | ng    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 52398    | 34.86 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.64 | 169  | 371408   | 61.39 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.31 | 248  | 137486   | 47.65 | ng    | 95       |
| 67) Hexachlorobenzene          | 16.43 | 284  | 147758   | 45.23 | ng    | 92       |
| 68) Atrazine                   | 16.60 | 200  | 118976   | 44.02 | ng    | 96       |
| 69) Pentachlorophenol          | 16.78 | 266  | 183348   | 86.40 | ng    | 89       |
| 70) Phenanthrene               | 17.16 | 178  | 500730   | 44.72 | ng    | 98       |
| 71) Anthracene                 | 17.25 | 178  | 496033   | 44.60 | ng    | 97       |
| 72) Carbazole                  | 17.53 | 167  | 459817   | 43.10 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.09 | 149  | 554148   | 44.12 | ng    | 99       |
| 74) Fluoranthene               | 19.18 | 202  | 689118   | 40.69 | ng    | 98       |
| 77) Pyrene                     | 19.54 | 202  | 711872   | 44.13 | ng    | 97       |
| 79) Butylbenzylphthalate       | 20.44 | 149  | 276916   | 45.81 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.28 | 228  | 776585   | 43.34 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 100941   | 15.35 | ng    | # 95     |
| 82) Chrysene                   | 21.34 | 228  | 723653   | 43.94 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 389596   | 44.33 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.10 | 149  | 649541   | 45.39 | ng    | # 96     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.88 | 276  | 531687   | 27.32 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.89 | 252  | 660438   | 44.54 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 22.93 | 252  | 685771   | 48.05 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.47 | 252  | 649211   | 48.61 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 454450   | 34.62 | ng    | # 97     |
| 91) Benzo(g,h,i)perylene       | 26.58 | 276  | 417481   | 32.01 | ng    | # 94     |
| -----                          |       |      |          |       |       |          |

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



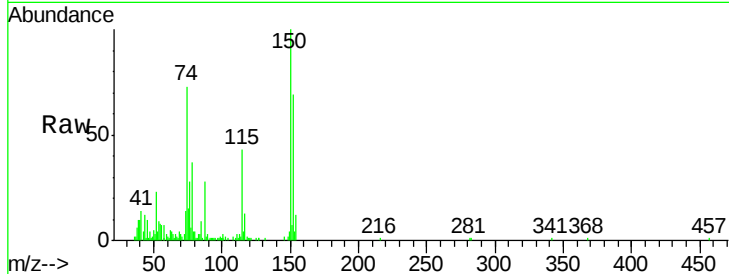


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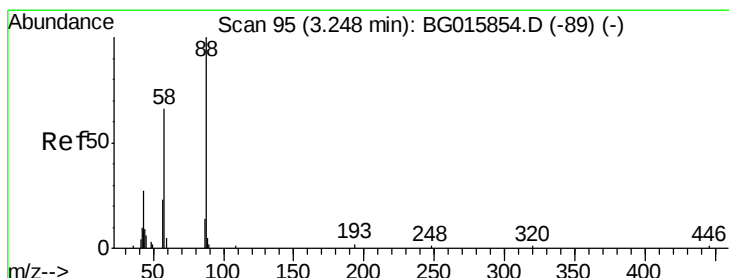
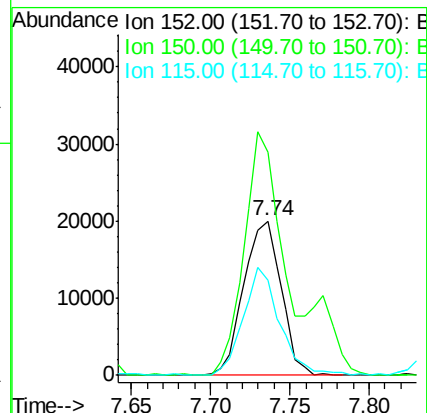
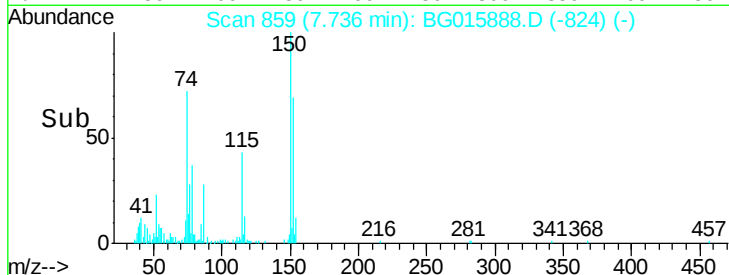
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.74 min Scan# 859  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampled :

Tgt Ion:152 Resp: 32694  
Ion Ratio Lower Upper  
152 100  
150 144.8 120.5 180.7  
115 61.8 54.0 81.0



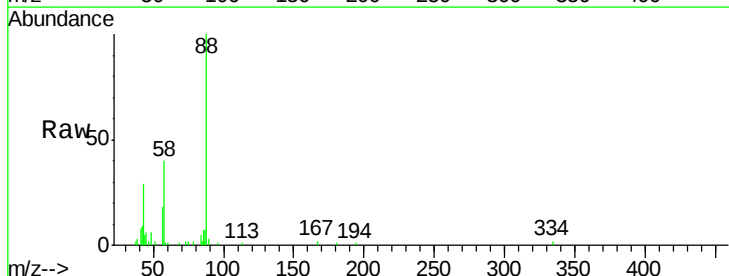
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



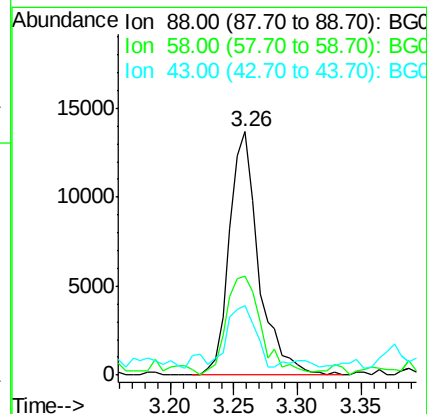
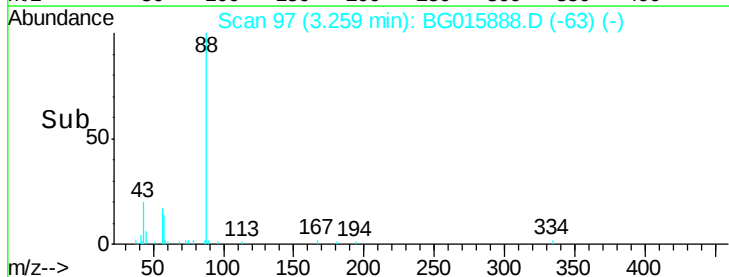
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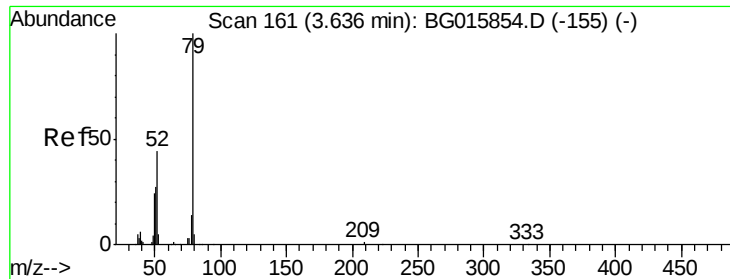
1,4-Dioxane  
Concen: 25.15 ng  
RT: 3.26 min Scan# 97  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion: 88 Resp: 21929  
Ion Ratio Lower Upper  
88 100  
58 48.8 37.9 56.9  
43 24.1 20.7 31.1



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

Pyridine

Concen: 13.62 ng

RT: 3.65 min Scan# 163

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

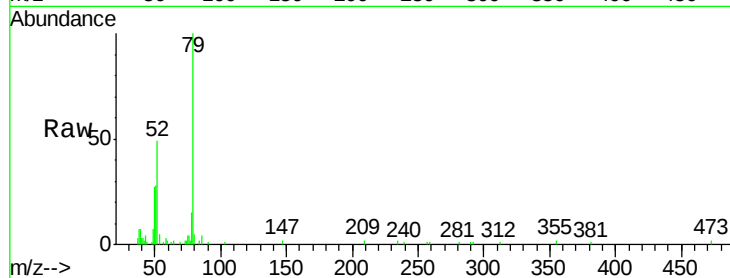
Tgt Ion: 79 Resp: 32560

Ion Ratio Lower Upper

79 100

52 48.9 30.6 46.0#

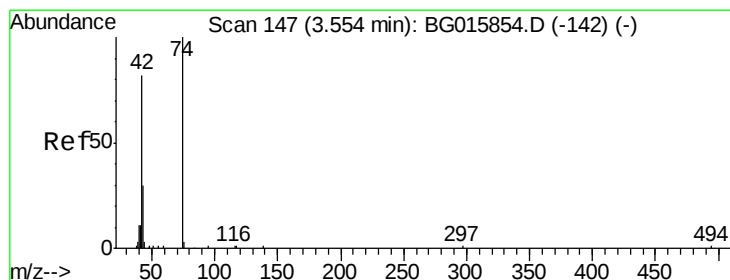
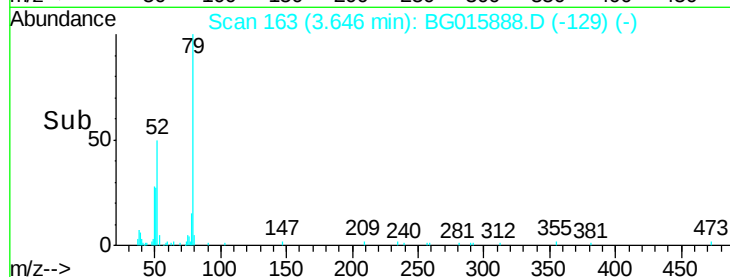
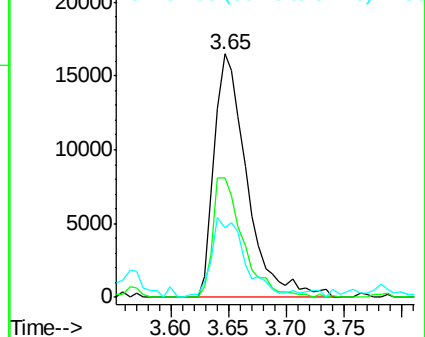
51 28.4 24.9 37.3



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: 33.67 ng

RT: 3.56 min Scan# 149

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

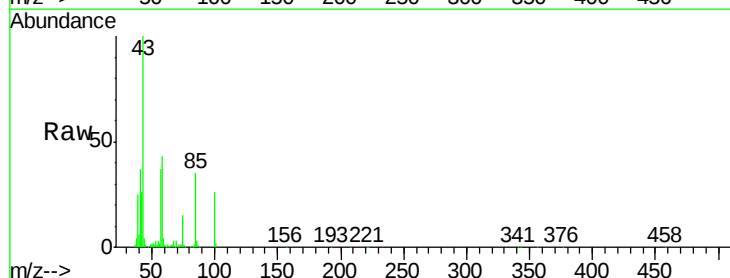
Tgt Ion: 42 Resp: 34582

Ion Ratio Lower Upper

42 100

74 57.6 108.8 163.2#

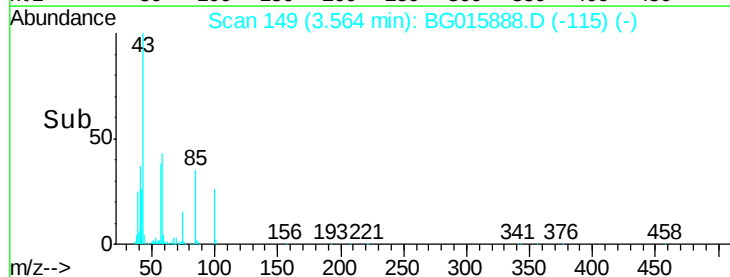
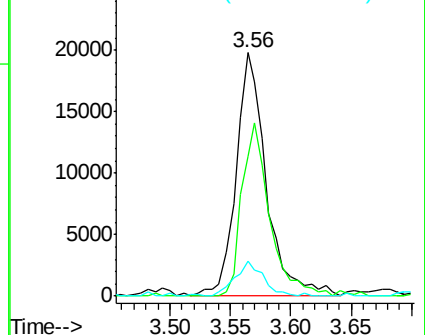
44 14.3 4.4 6.6#

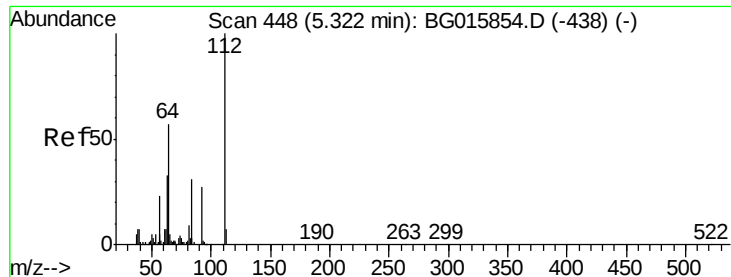


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 32.54 ng

RT: 5.34 min Scan# 452

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

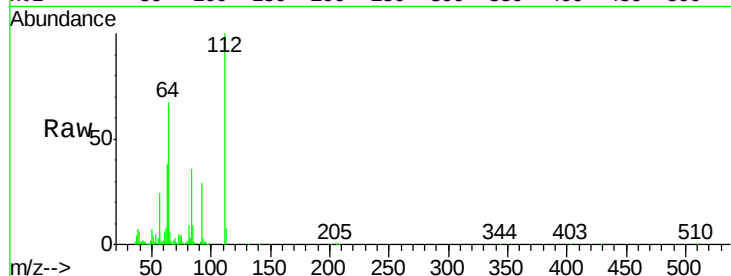
Tgt Ion: 112 Resp: 123697

Ion Ratio Lower Upper

112 100

64 66.7 46.8 70.2

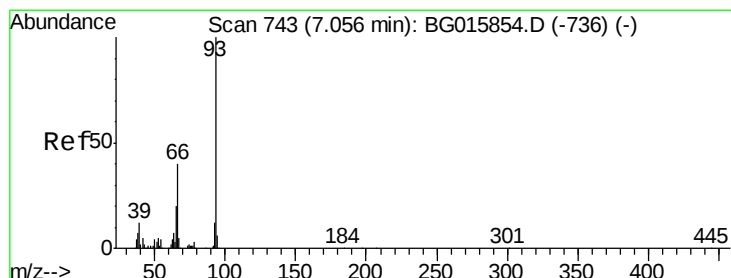
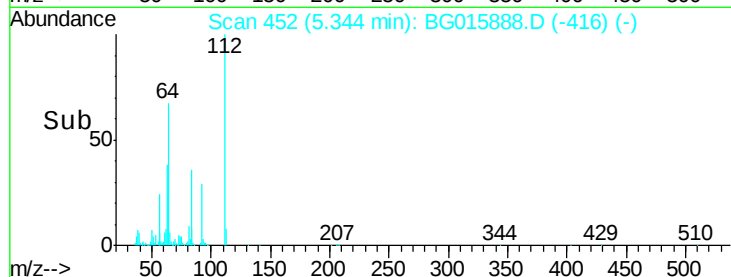
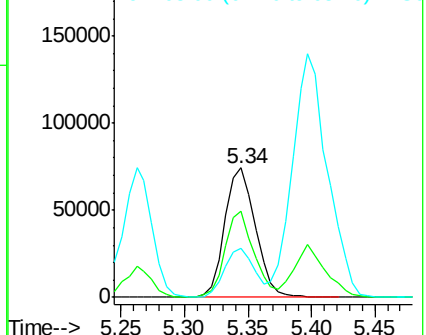
63 38.2 30.6 45.8



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: 20.42 ng

RT: 7.07 min Scan# 746

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

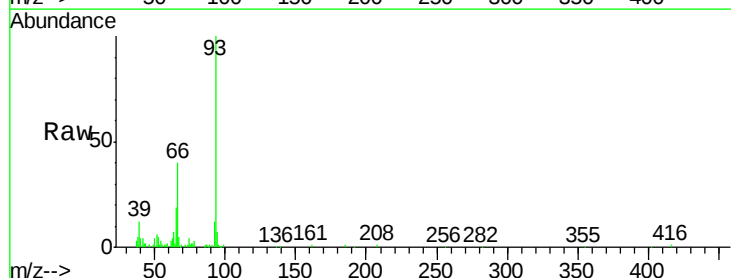
Tgt Ion: 93 Resp: 73074

Ion Ratio Lower Upper

93 100

66 40.1 28.7 43.1

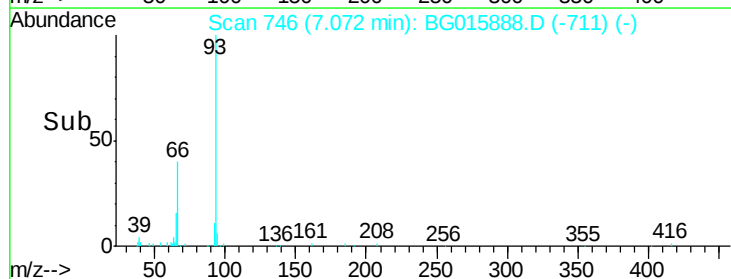
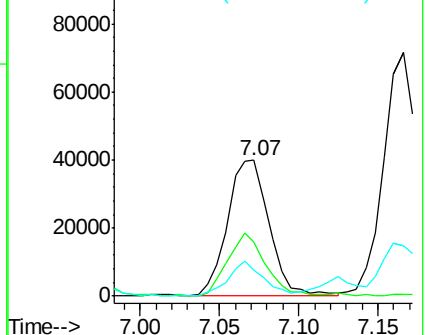
65 19.0 14.7 22.1

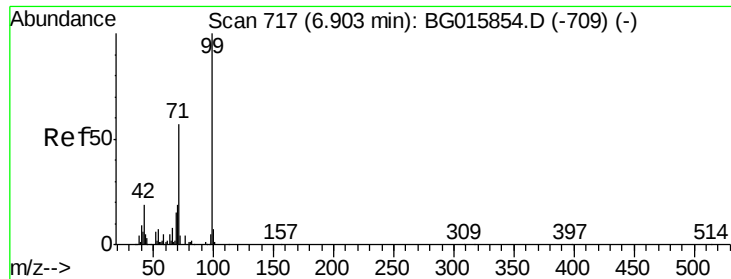


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 21.39 ng

RT: 6.93 min Scan# 722

Delta R.T. 0.02 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

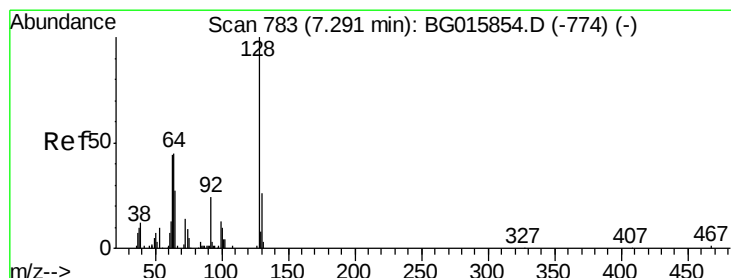
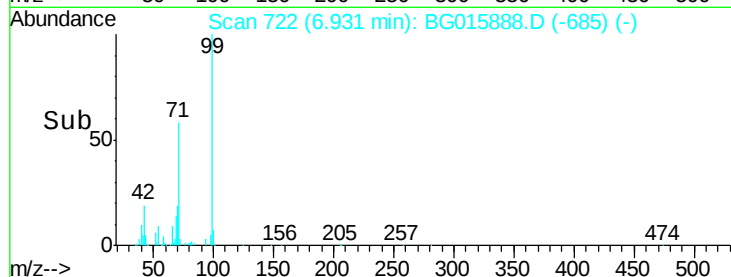
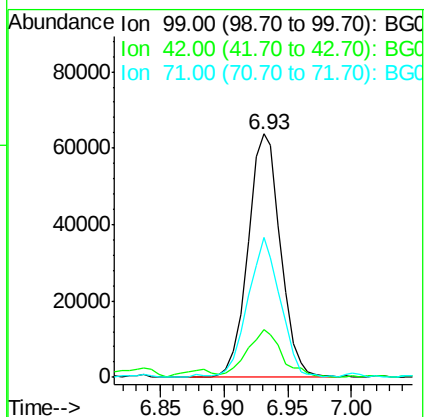
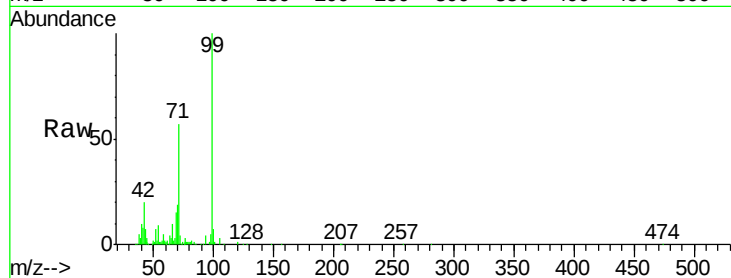
Tgt Ion: 99 Resp: 113271

Ion Ratio Lower Upper

99 100

42 19.5 13.8 20.8

71 57.3 42.8 64.2



#8

2-Chlorophenol

Concen: 43.51 ng

RT: 7.31 min Scan# 787

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

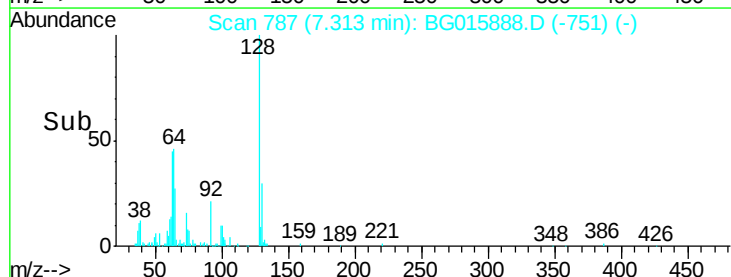
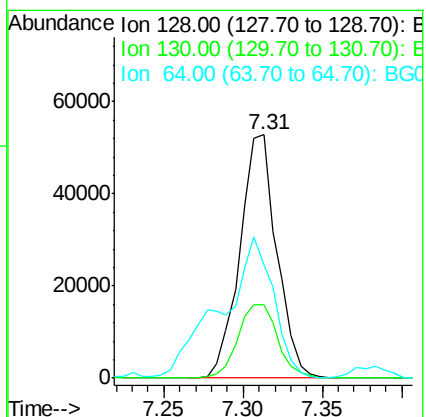
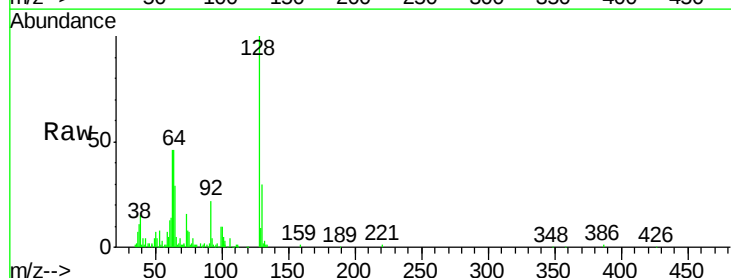
Tgt Ion: 128 Resp: 85248

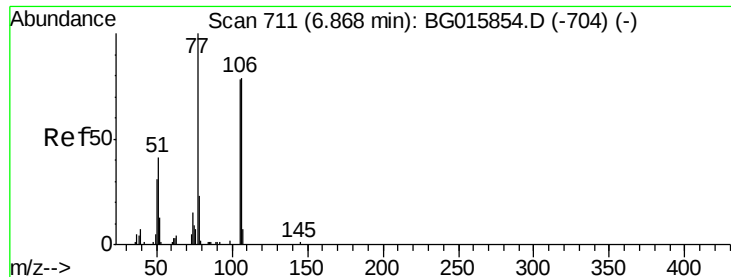
Ion Ratio Lower Upper

128 100

130 29.9 10.6 50.6

64 46.5 36.4 76.4





#9

Benzaldehyde

Concen: 43.46 ng

RT: 6.88 min Scan# 714

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

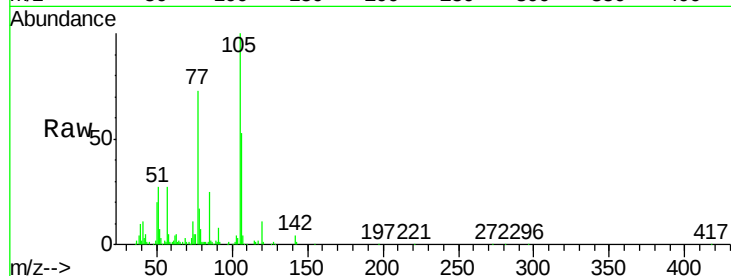
Tgt Ion: 77 Resp: 77483

Ion Ratio Lower Upper

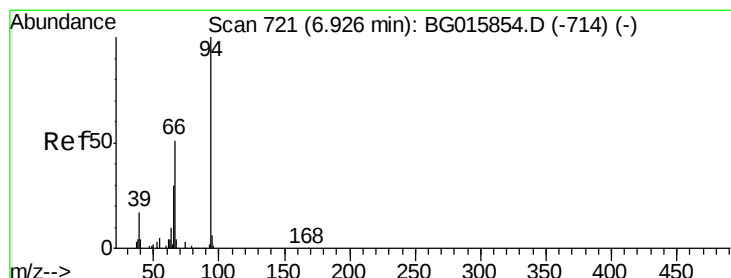
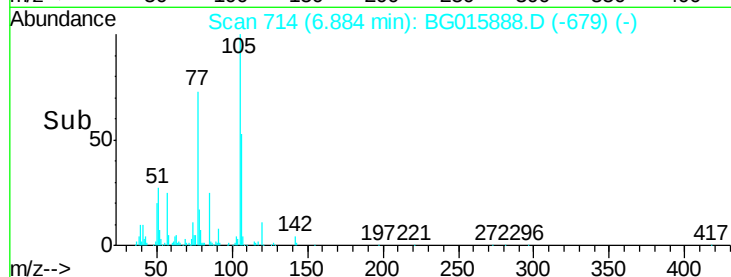
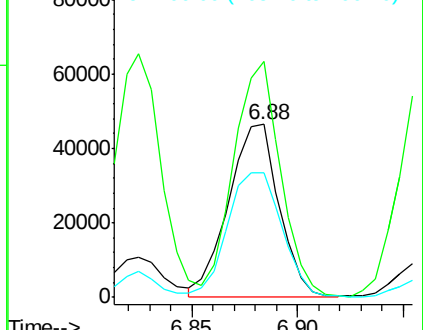
77 100

105 136.1 62.4 102.4#

106 72.0 59.5 99.5



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 29.56 ng

RT: 6.96 min Scan# 727

Delta R.T. 0.03 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

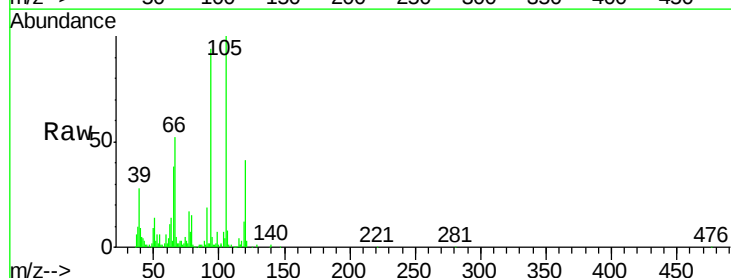
Tgt Ion: 94 Resp: 85204

Ion Ratio Lower Upper

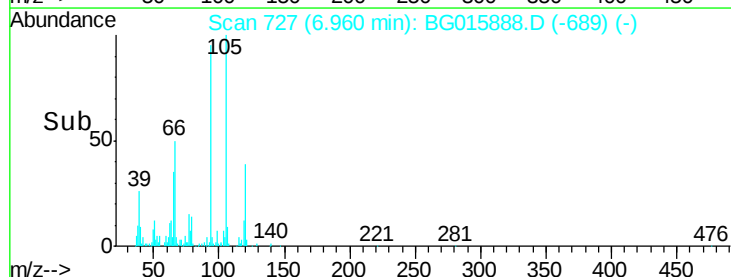
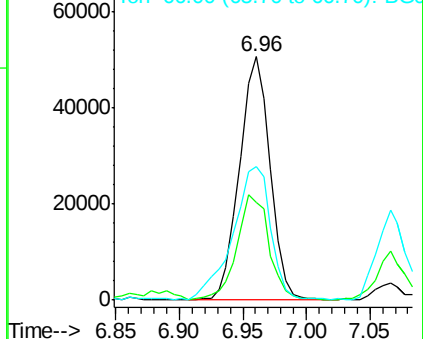
94 100

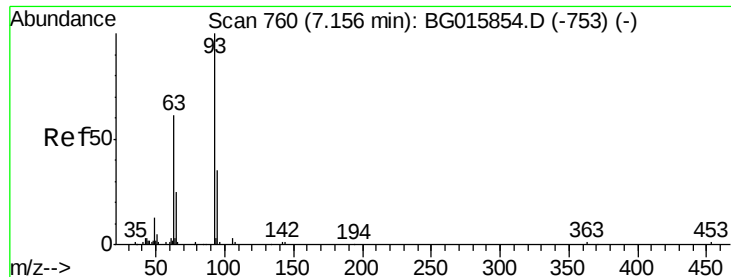
65 40.1 9.7 49.7

66 55.0 33.8 73.8



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

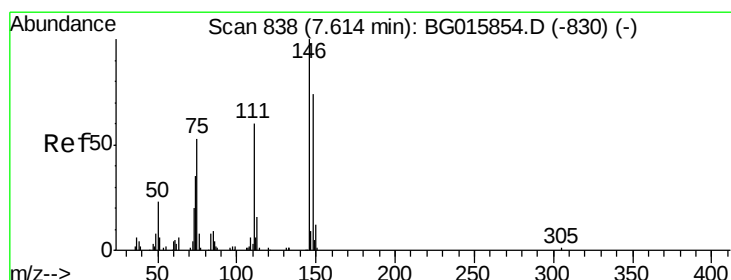
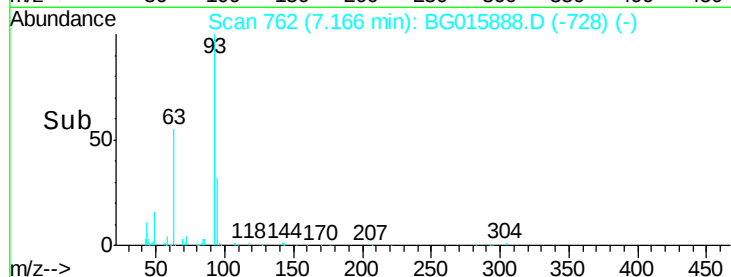
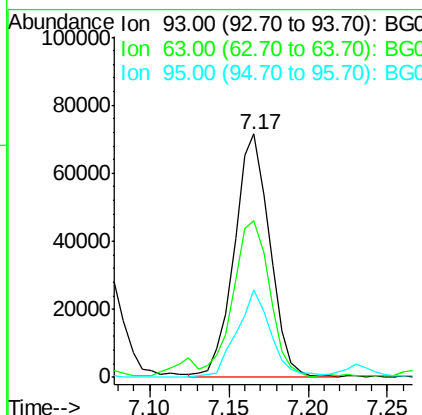
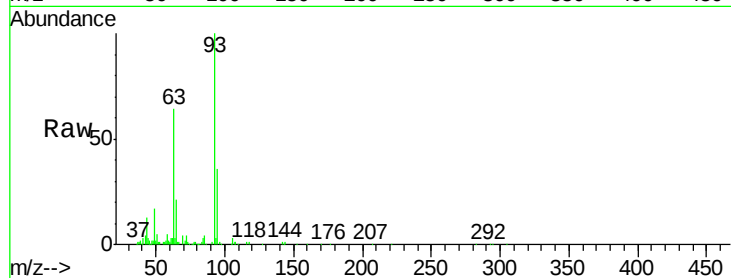




#11  
bis(2-Chloroethyl)ether  
Concen: 51.88 ng  
RT: 7.17 min Scan# 762  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

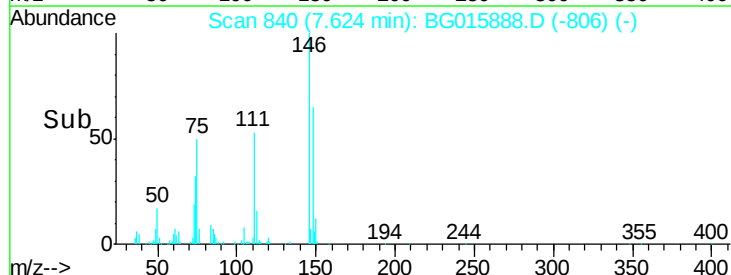
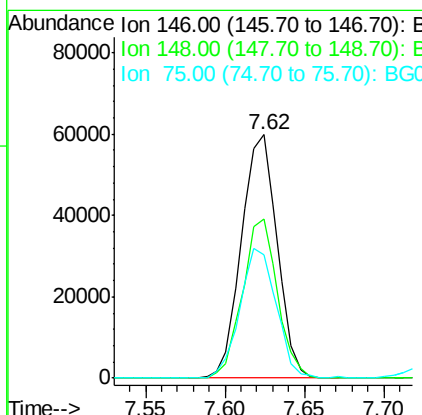
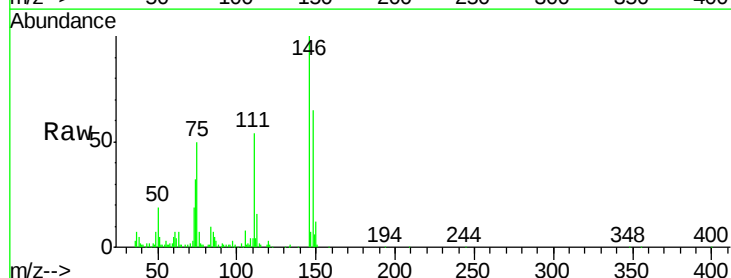
Instrument :  
BNA\_G  
ClientSampleId :

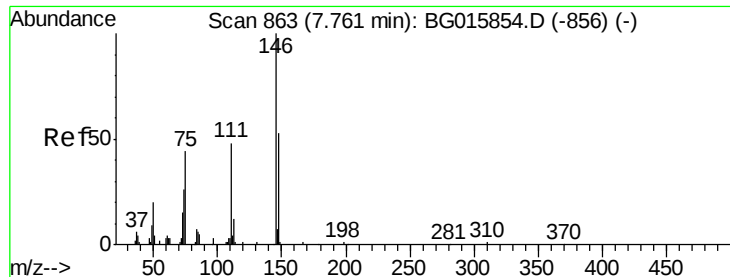
Tgt Ion: 93 Resp: 110208  
Ion Ratio Lower Upper  
93 100  
63 64.2 45.1 85.1  
95 36.0 12.1 52.1



#12  
1,3-Dichlorobenzene  
Concen: 39.88 ng  
RT: 7.62 min Scan# 840  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion: 146 Resp: 93662  
Ion Ratio Lower Upper  
146 100  
148 65.1 52.5 78.7  
75 50.4 38.9 58.3

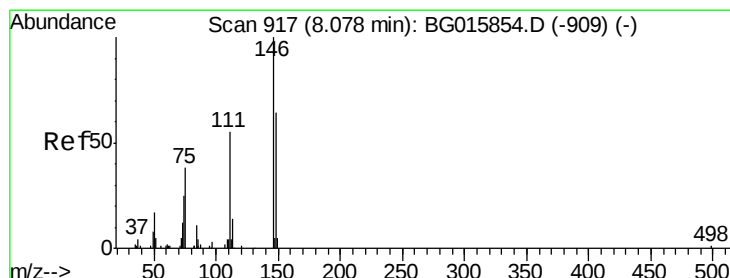
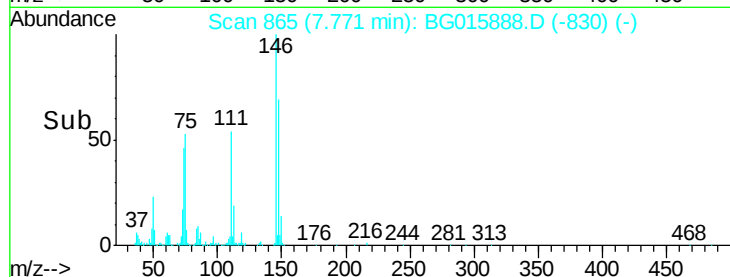
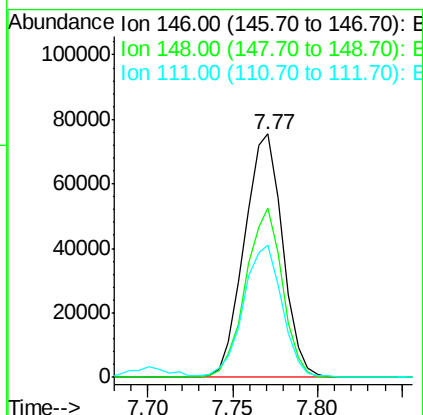
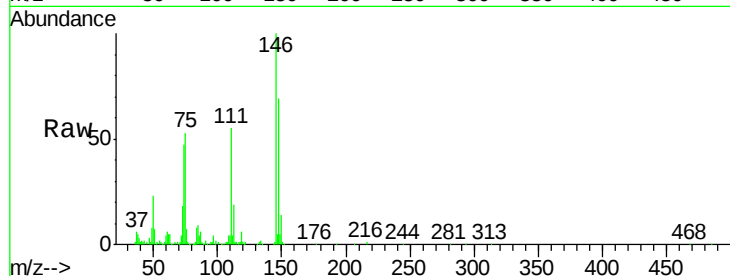




#13  
 1,4-Dichlorobenzene  
 Concen: 49.70 ng  
 RT: 7.77 min Scan# 865  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

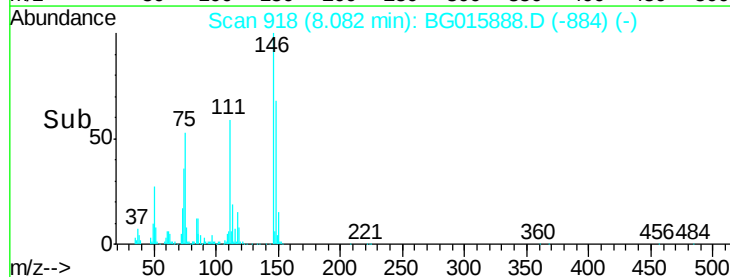
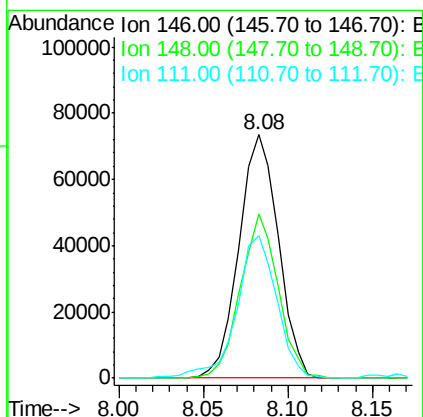
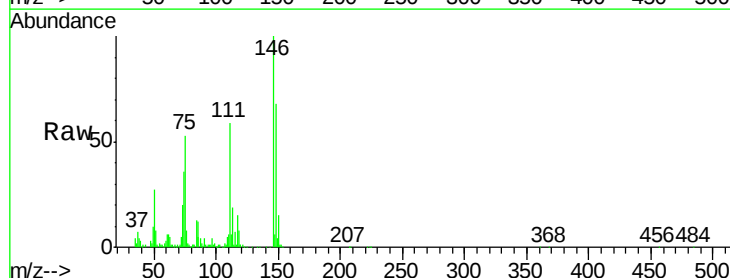
Instrument :  
 BNA\_G  
 ClientSampled :

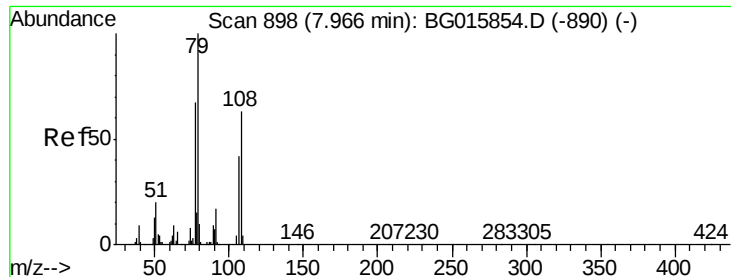
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 69.5  | 46.5  | 69.7  |
| 111     | 54.5  | 41.8  | 62.6  |



#14  
 1,2-Dichlorobenzene  
 Concen: 52.66 ng  
 RT: 8.08 min Scan# 918  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.7  | 46.7  | 70.1  |
| 111     | 58.5  | 39.6  | 59.4  |





#15

Benzyl Alcohol

Concen: 28.30 ng

RT: 7.98 min Scan# 901

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampled :

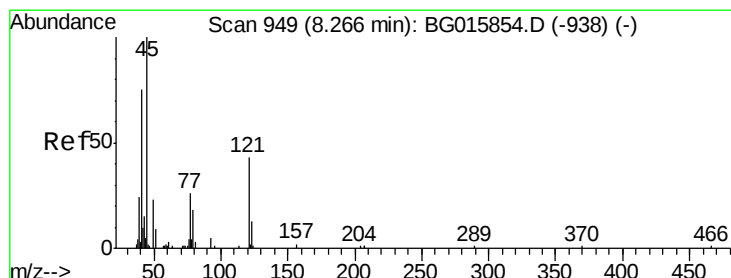
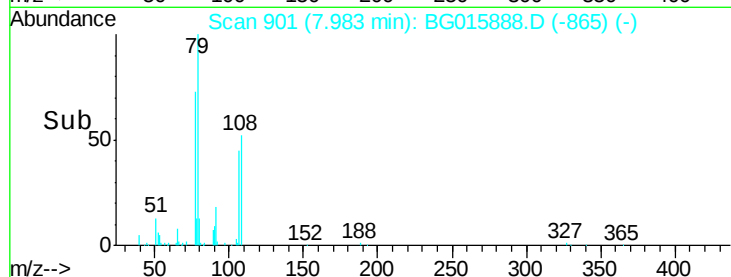
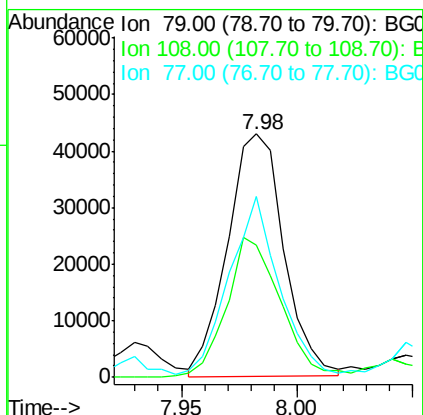
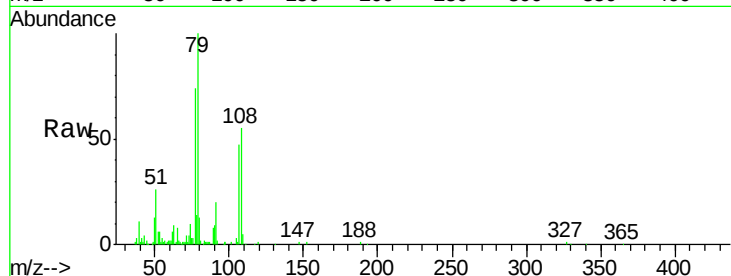
Tgt Ion: 79 Resp: 73165

Ion Ratio Lower Upper

79 100

108 54.6 47.0 70.4

77 74.5 53.1 79.7



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.07 ng

RT: 8.27 min Scan# 950

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

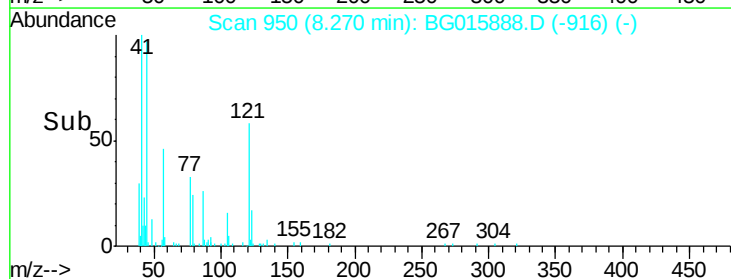
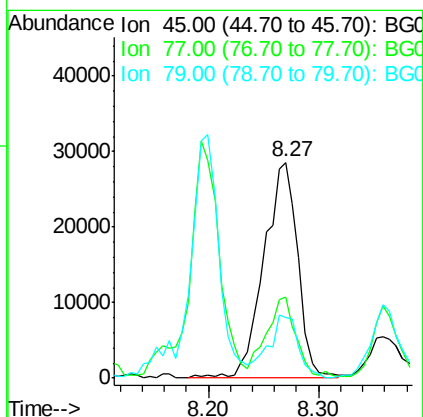
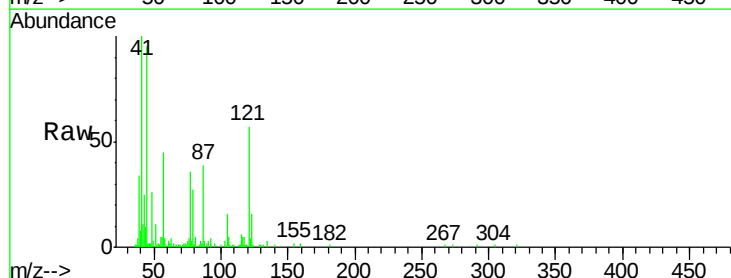
Tgt Ion: 45 Resp: 61144

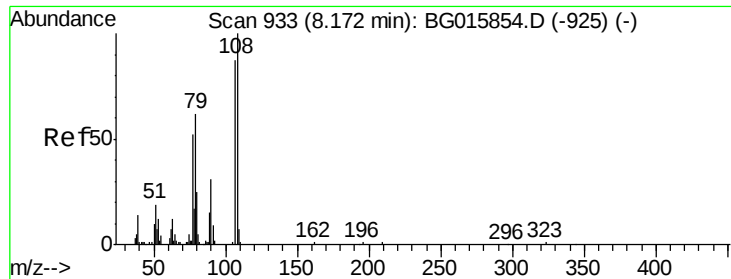
Ion Ratio Lower Upper

45 100

77 37.6 9.7 49.7

79 28.3 7.8 47.8

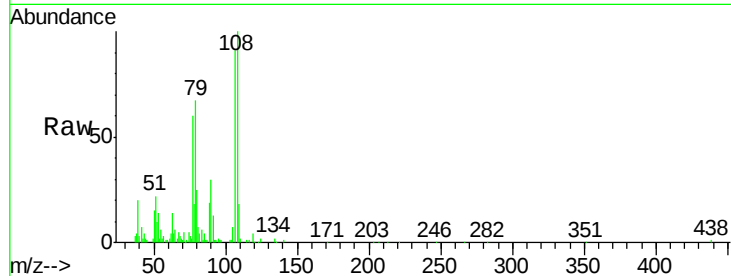




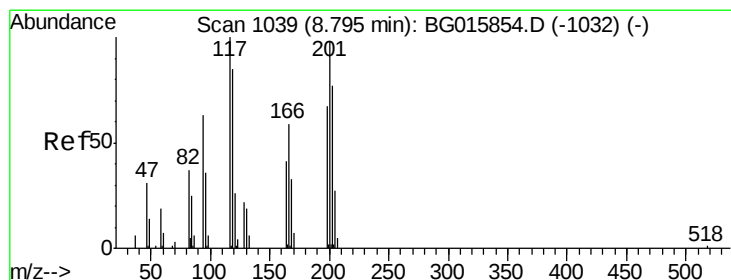
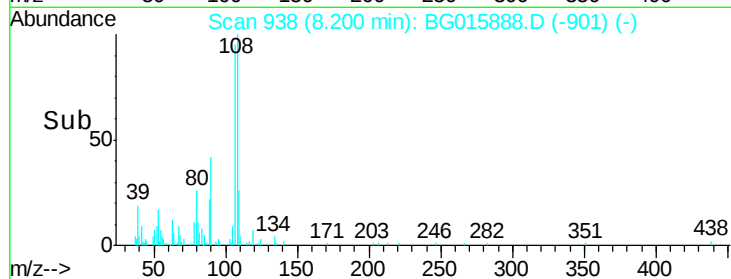
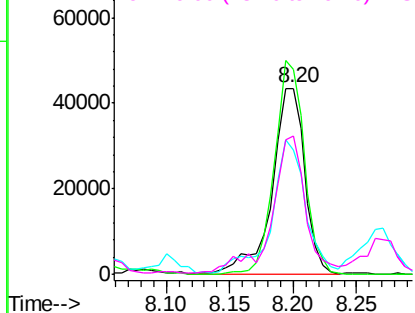
#17  
2-Methylphenol  
Concen: 39.85 ng  
RT: 8.20 min Scan# 938  
Delta R.T. 0.02 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 110.1 | 88.9  | 133.3 |
| 77      | 66.4  | 46.6  | 69.8  |
| 79      | 74.0  | 47.6  | 71.4  |

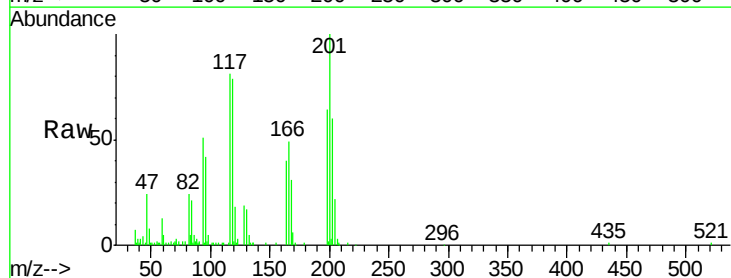


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

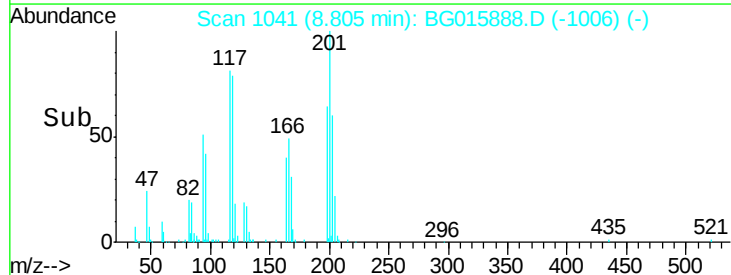
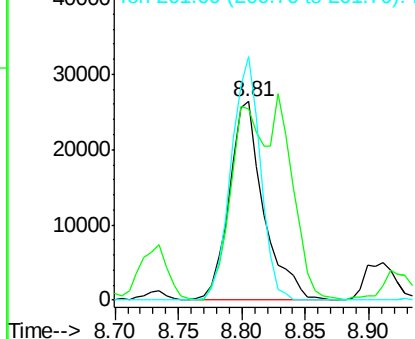


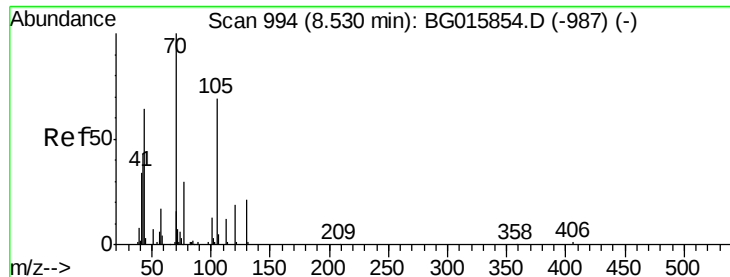
#18  
Hexachloroethane  
Concen: 44.73 ng  
RT: 8.81 min Scan# 1041  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.6  | 79.5  | 119.3 |
| 201     | 122.8 | 84.8  | 127.2 |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

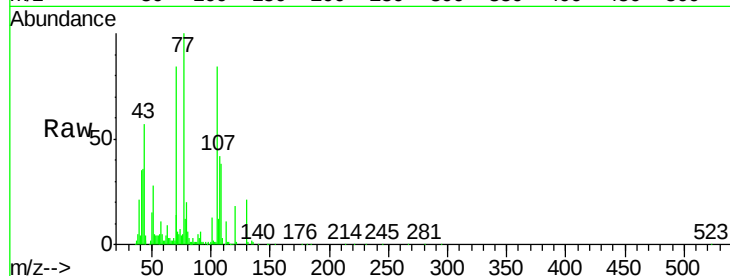




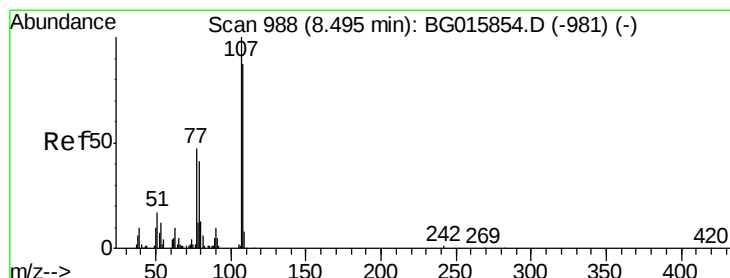
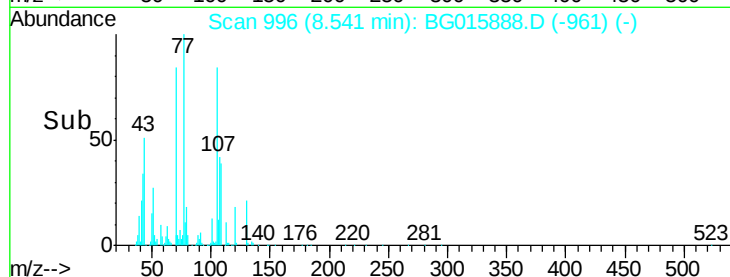
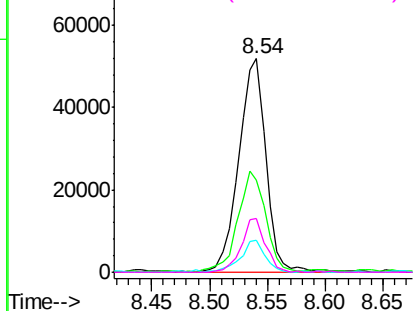
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.10 ng  
RT: 8.54 min Scan# 996  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion: 70 Resp: 84901  
Ion Ratio Lower Upper  
70 100  
42 43.3 36.6 54.8  
101 15.2 9.4 14.2#  
130 25.0 17.4 26.2



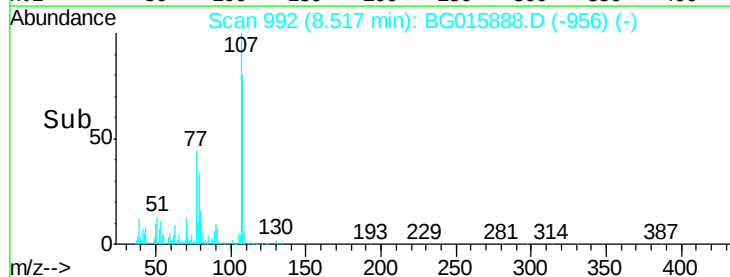
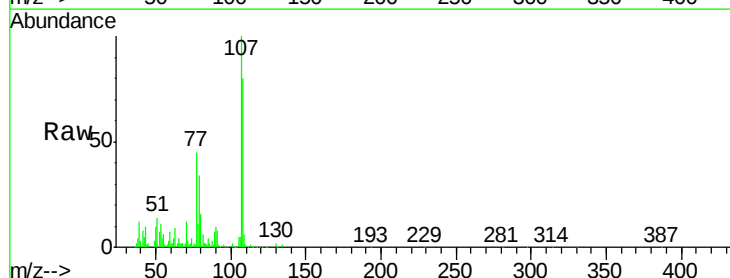
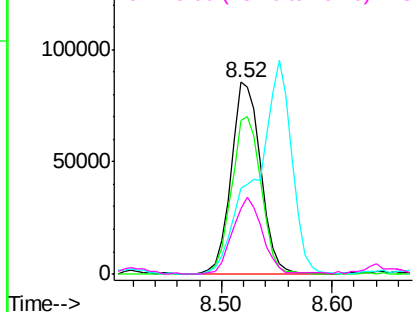
Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

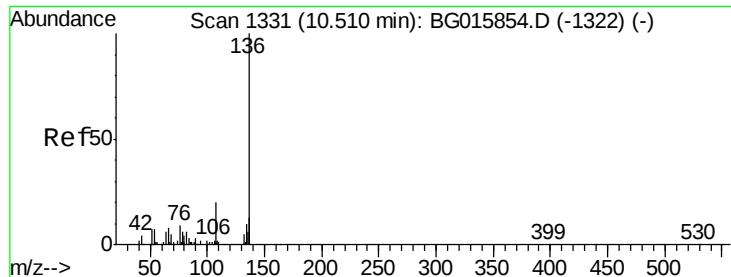


#20  
3+4-Methylphenols  
Concen: 61.21 ng  
RT: 8.52 min Scan# 992  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion: 107 Resp: 160492  
Ion Ratio Lower Upper  
107 100  
108 79.8 80.9 120.9#  
77 44.8 32.1 72.1  
79 34.4 24.9 64.9

Abundance Ion 107.00 (106.70 to 107.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

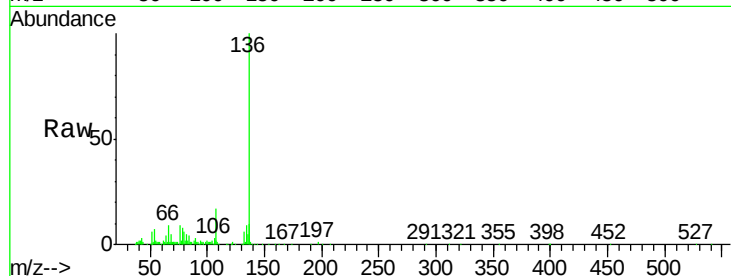




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.52 min Scan# 1333  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 114607 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.8   | 9.6   | 14.4   |
| 54       | 6.5   | 4.5   | 6.7    |
| 68       | 5.0   | 5.0   | 7.4    |



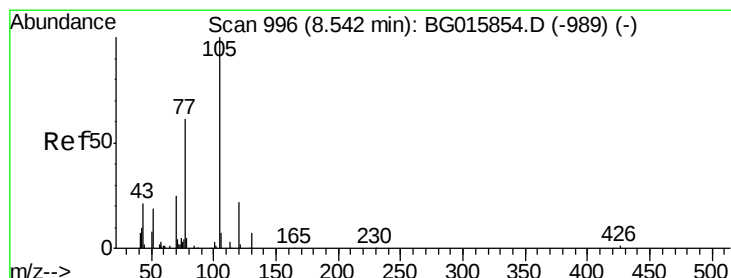
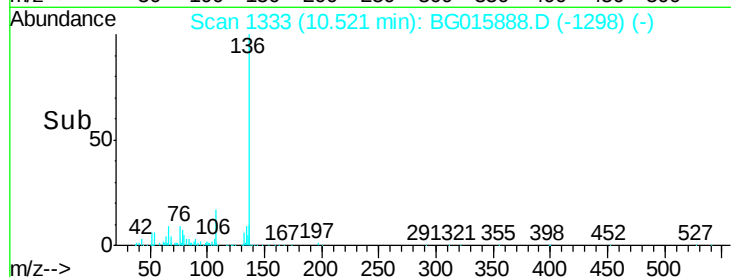
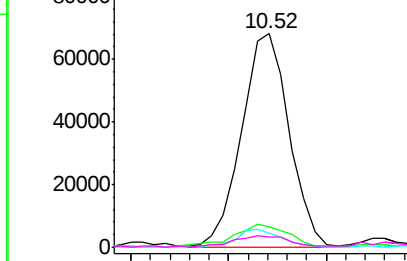
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

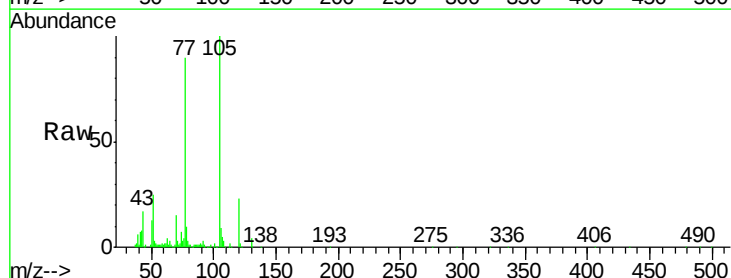
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22  
Acetophenone  
Concen: 51.77 ng  
RT: 8.55 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 173953 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.1   | 0.9   | 1.3#   |
| 51       | 25.1  | 21.4  | 32.2   |
| 120      | 23.0  | 22.5  | 33.7   |



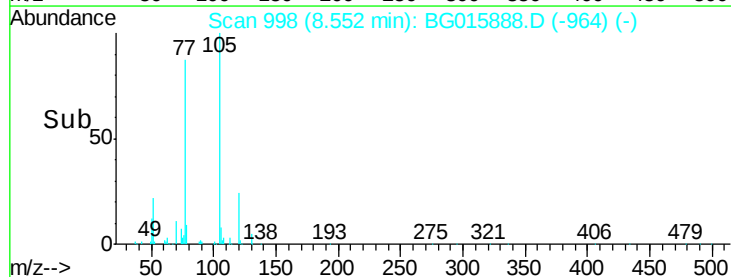
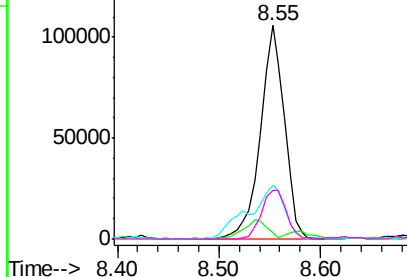
Abundance

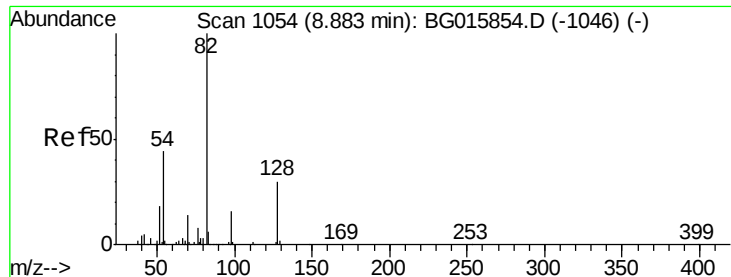
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

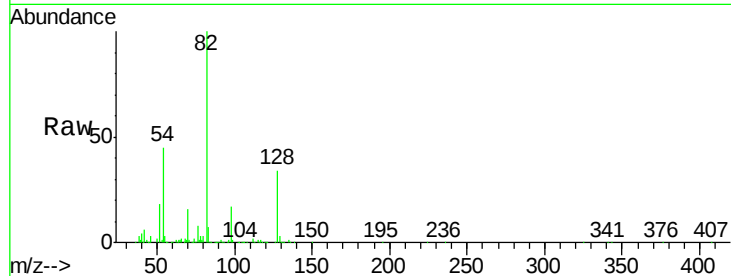




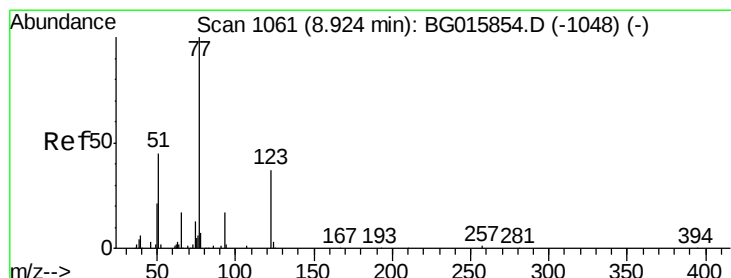
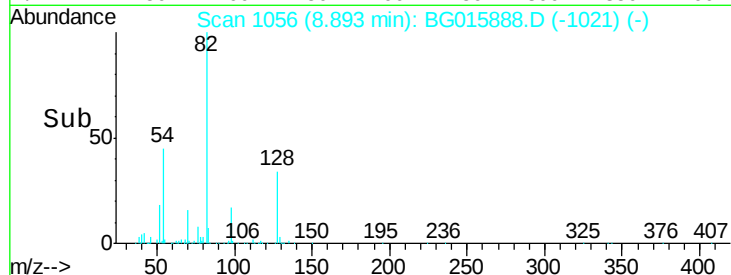
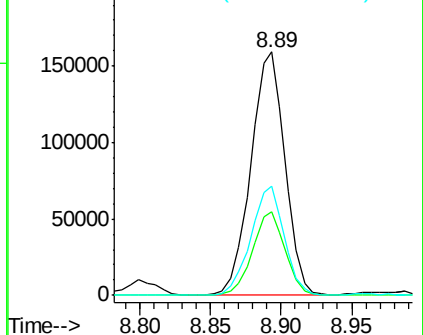
#23  
 Nitrobenzene-d5  
 Concen: 46.09 ng  
 RT: 8.89 min Scan# 1056  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Instrument :  
 BNA\_G  
 ClientSampleId :

Tgt Ion: 82 Resp: 269188  
 Ion Ratio Lower Upper  
 82 100  
 128 34.5 23.4 35.0  
 54 44.7 32.3 48.5

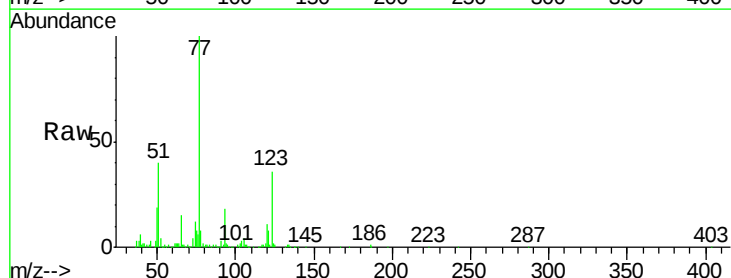


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

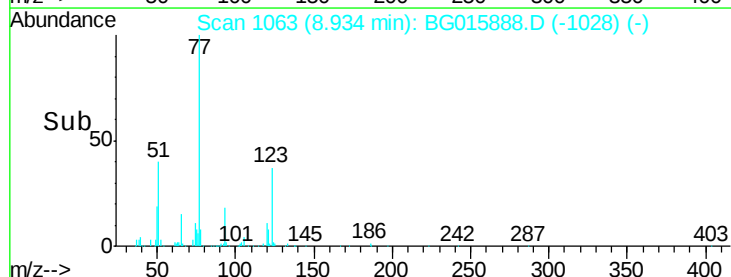
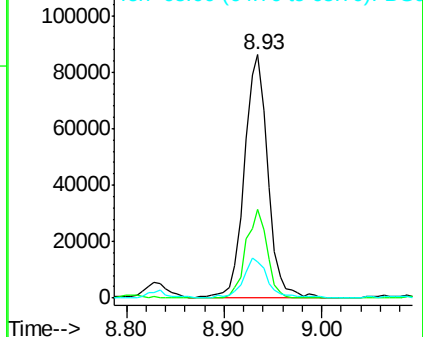


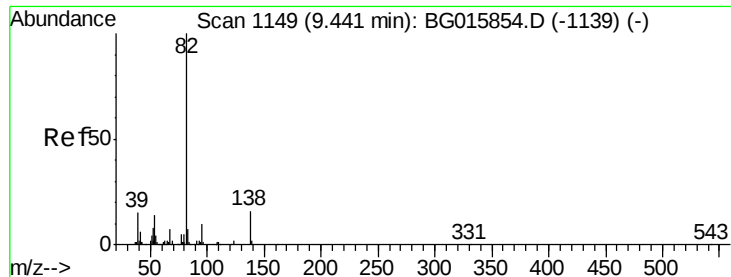
#24  
 Nitrobenzene  
 Concen: 49.18 ng  
 RT: 8.93 min Scan# 1063  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Tgt Ion: 77 Resp: 144704  
 Ion Ratio Lower Upper  
 77 100  
 123 36.4 27.0 40.4  
 65 15.0 12.0 18.0



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

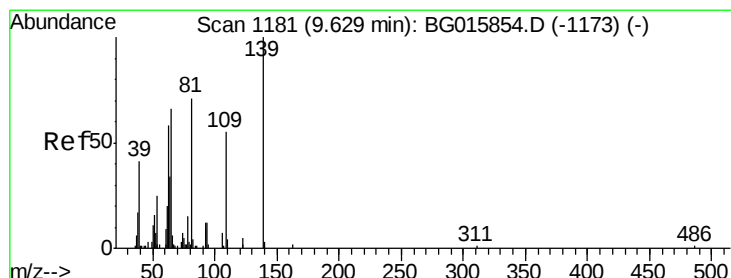
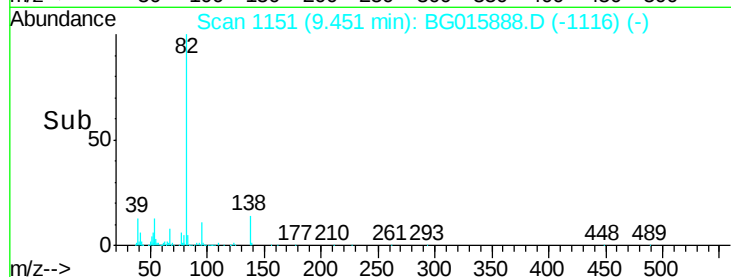
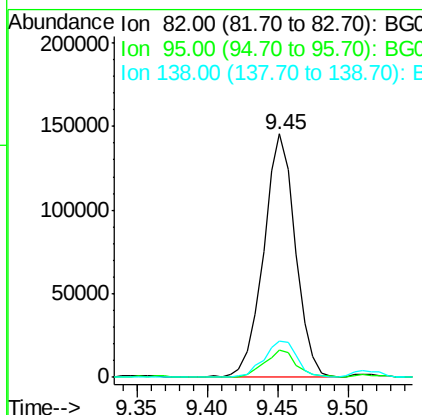
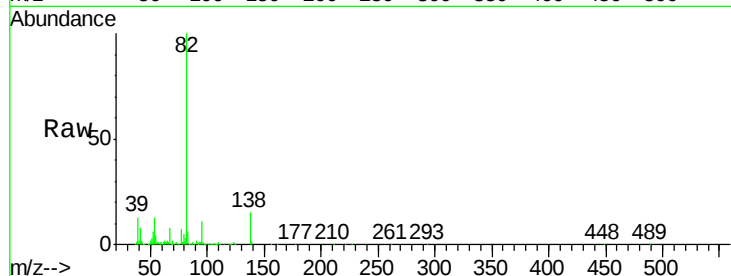




#25  
Isophorone  
Concen: 44.26 ng  
RT: 9.45 min Scan# 1151  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

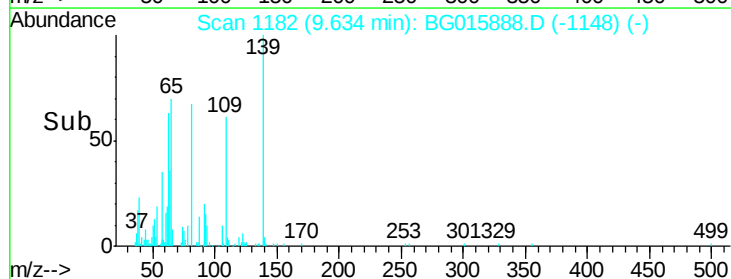
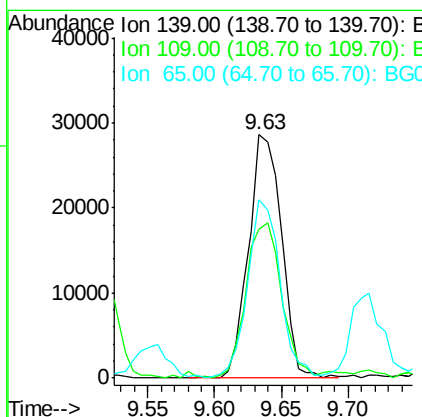
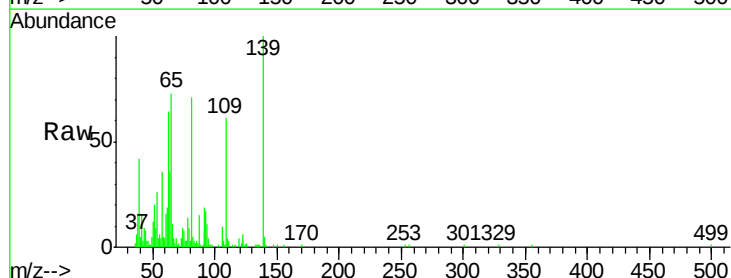
Instrument :  
BNA\_G  
ClientSampleId :

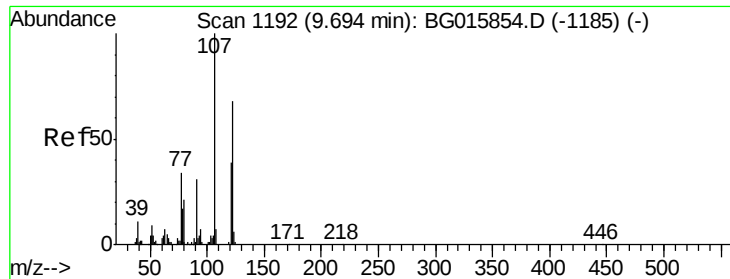
Tgt Ion: 82 Resp: 229252  
Ion Ratio Lower Upper  
82 100  
95 11.3 7.5 11.3#  
138 14.7 12.6 18.8



#26  
2-Nitrophenol  
Concen: 43.13 ng  
RT: 9.63 min Scan# 1182  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion: 139 Resp: 48625  
Ion Ratio Lower Upper  
139 100  
109 61.1 47.0 70.4  
65 73.1 48.5 72.7#

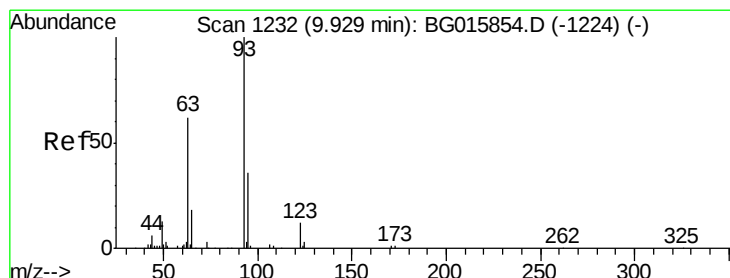
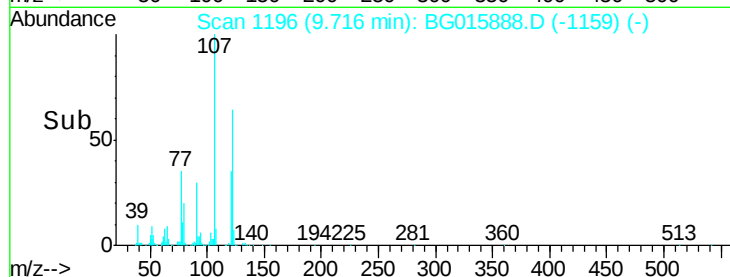
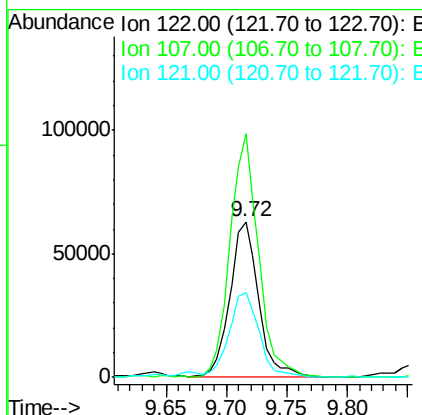
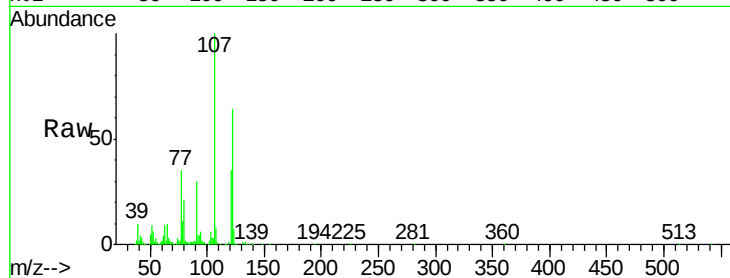




#27  
 2,4-Dimethylphenol  
 Concen: 55.24 ng  
 RT: 9.72 min Scan# 1196  
 Delta R.T. 0.02 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

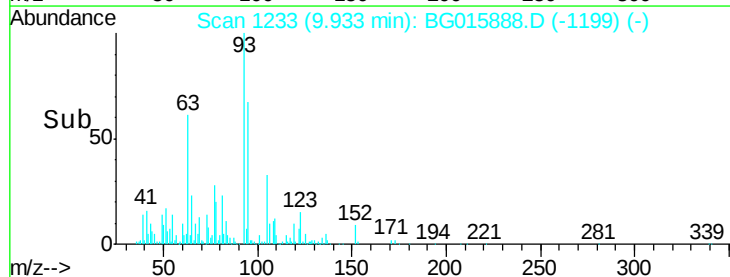
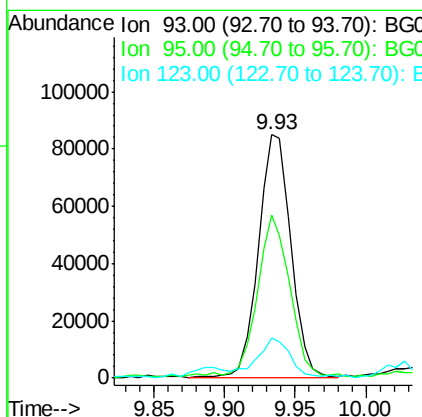
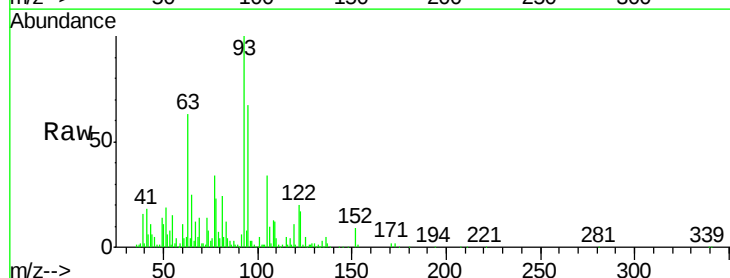
Instrument :  
 BNA\_G  
 ClientSampleId :

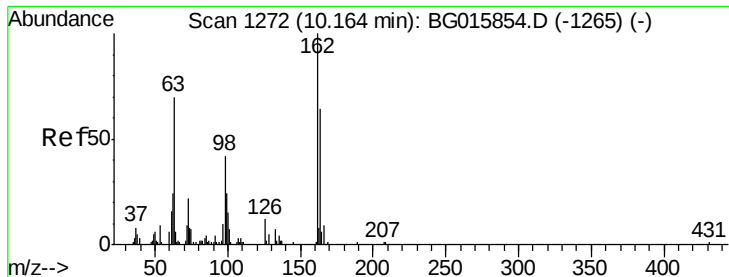
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 156.7 | 120.8 | 181.2 |
| 121     | 54.7  | 41.2  | 61.8  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 53.39 ng  
 RT: 9.93 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 66.7  | 27.5  | 41.3# |
| 123     | 16.6  | 9.1   | 13.7# |





#29

2,4-Dichlorophenol

Concen: 45.49 ng

RT: 10.18 min Scan# 1275

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

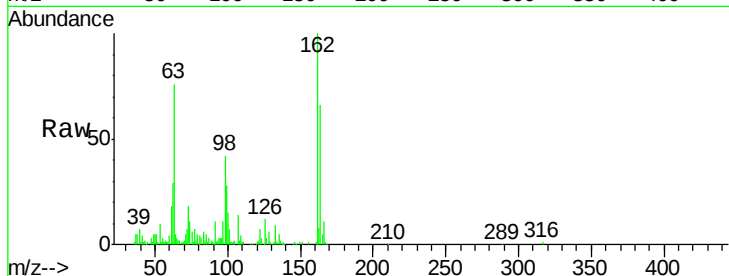
Tgt Ion:162 Resp: 86680

Ion Ratio Lower Upper

162 100

164 66.5 44.0 84.0

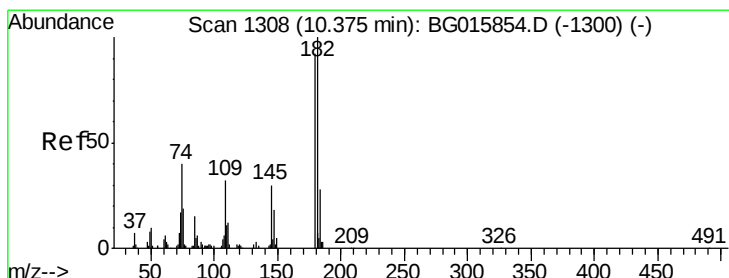
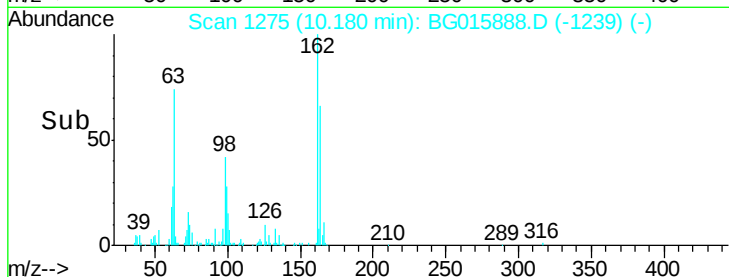
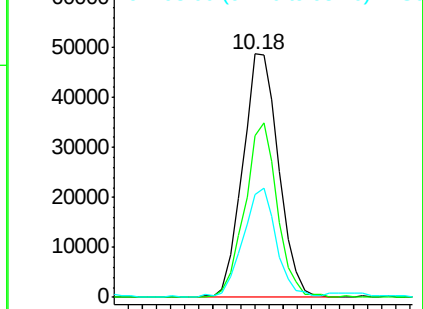
98 42.4 24.2 64.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 43.70 ng

RT: 10.38 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

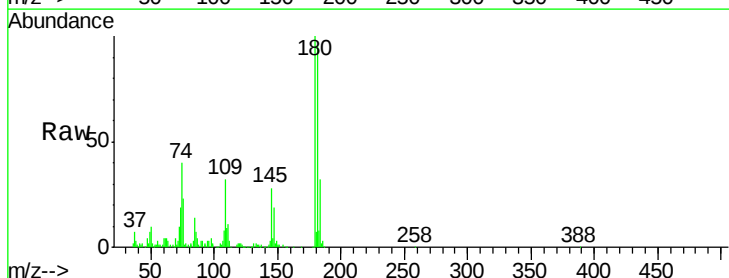
Tgt Ion:180 Resp: 109076

Ion Ratio Lower Upper

180 100

182 94.7 84.8 127.2

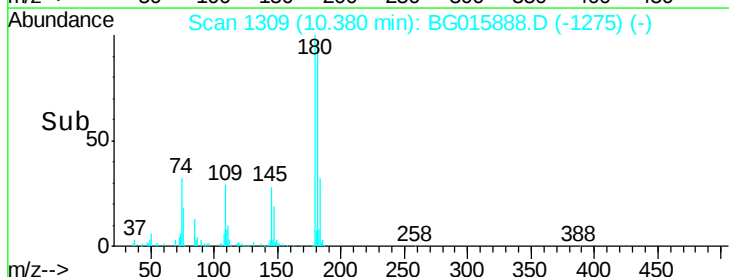
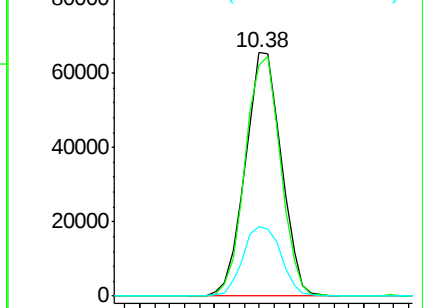
145 28.5 22.8 34.2

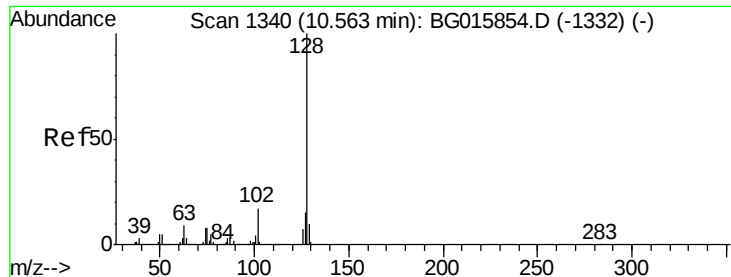


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

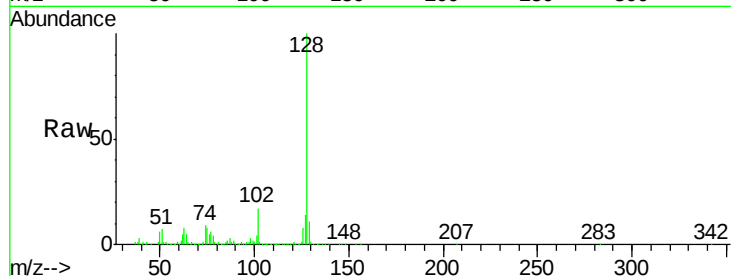




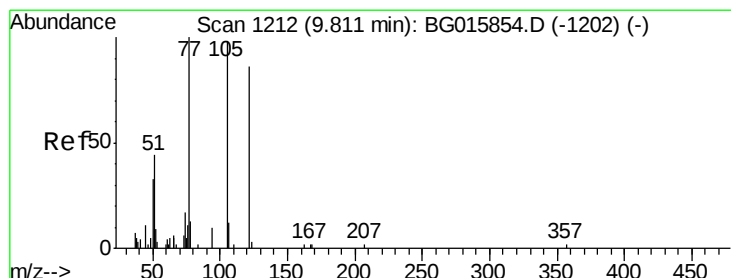
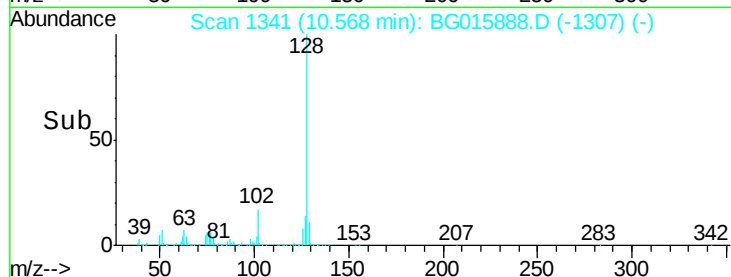
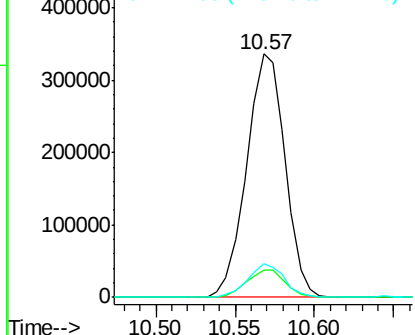
#31  
Naphthalene  
Concen: 93.32 ng  
RT: 10.57 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:128 Resp: 566434  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.4 14.2  
127 13.6 10.6 15.8

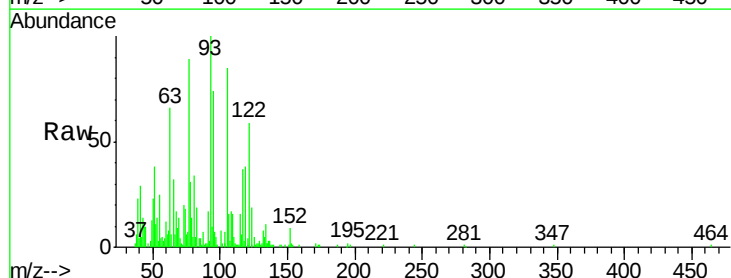


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

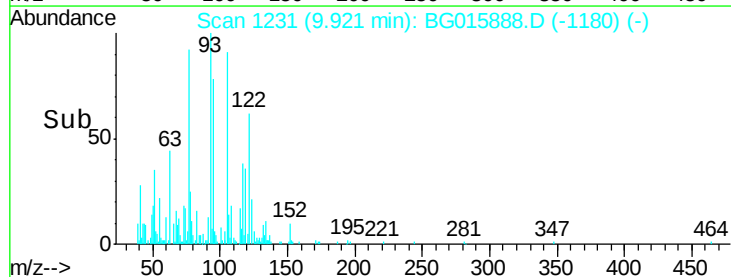
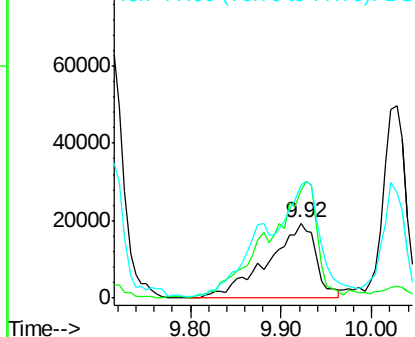


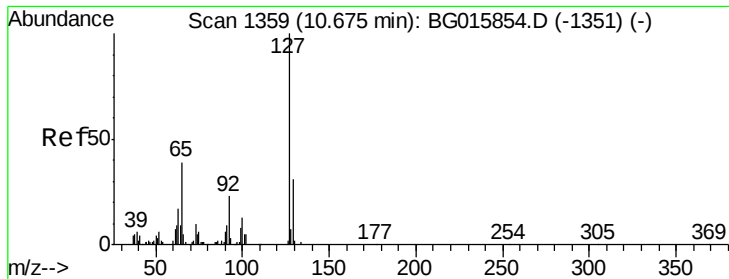
#32  
Benzoic acid  
Concen: 66.98 ng  
RT: 9.92 min Scan# 1231  
Delta R.T. 0.10 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:122 Resp: 71696  
Ion Ratio Lower Upper  
122 100  
105 144.3 123.7 163.7  
77 150.9 92.4 132.4#



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGO

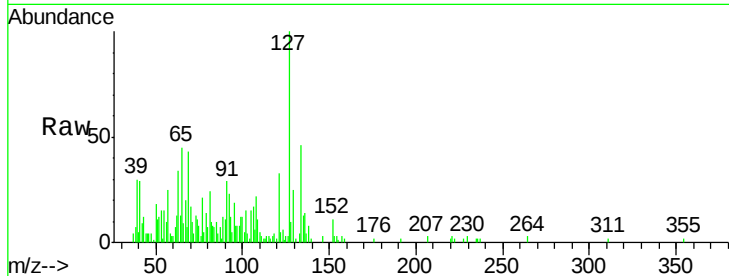




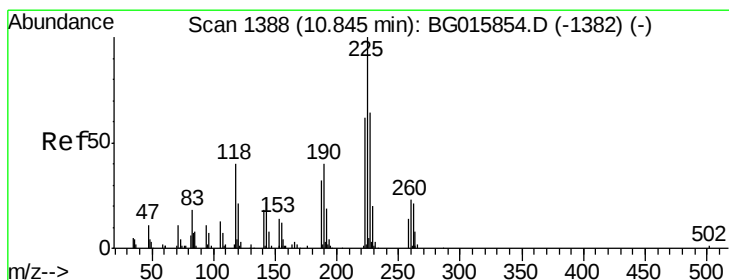
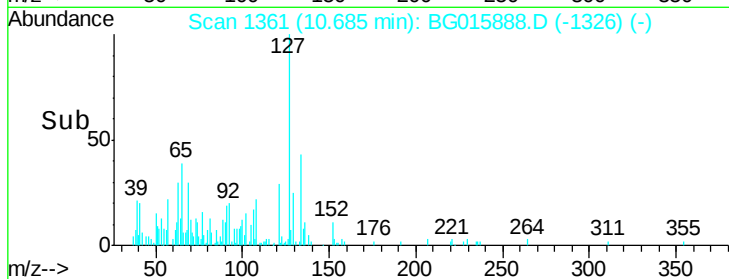
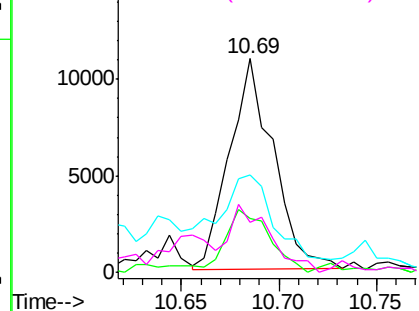
#33  
4-Chloroaniline  
Concen: 6.87 ng  
RT: 10.69 min Scan# 1361  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 16988 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 25.1  | 25.0  | 37.6  |
| 65       | 45.3  | 33.3  | 49.9  |
| 92       | 23.1  | 22.8  | 34.2  |

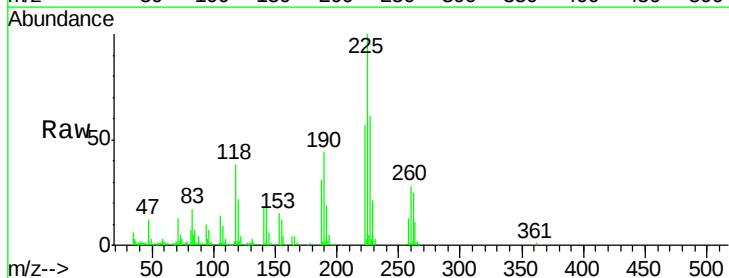


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGO  
Ion 92.00 (91.70 to 92.70): BGO

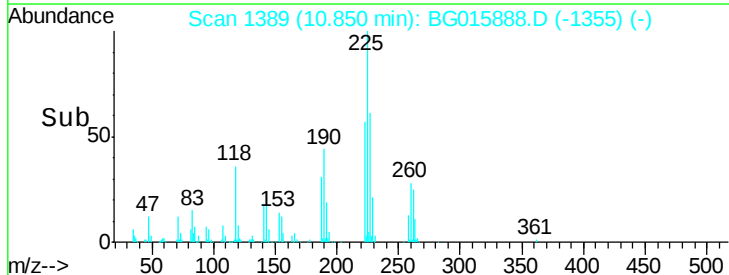
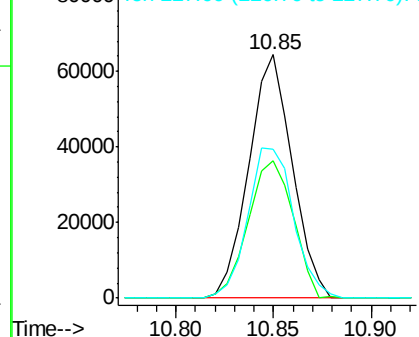


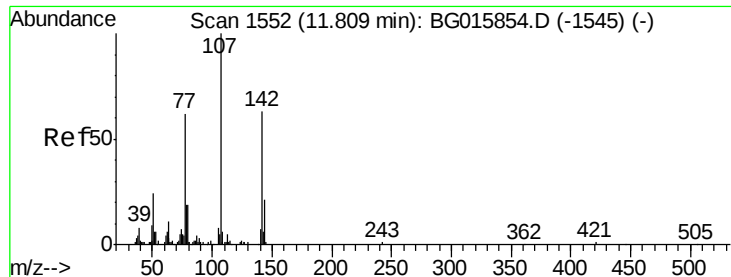
#34  
Hexachlorobutadiene  
Concen: 42.76 ng  
RT: 10.85 min Scan# 1389  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 99203 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 56.5  | 54.6  | 81.8  |
| 227      | 58.3  | 50.4  | 75.6  |



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

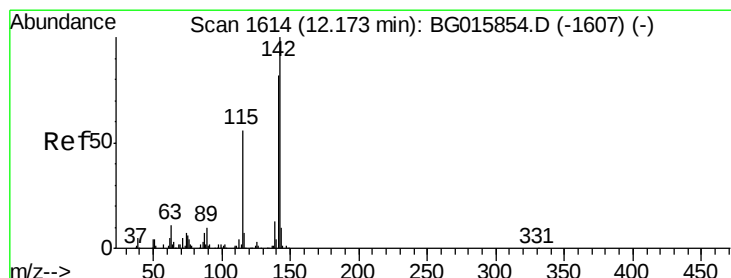
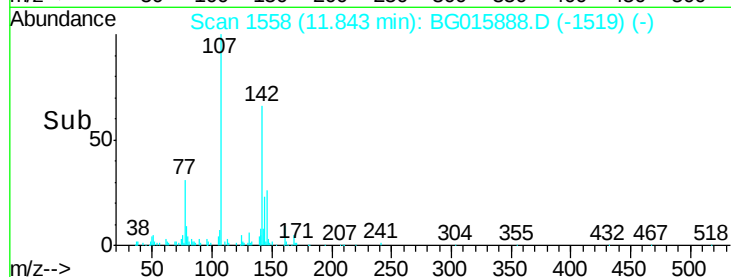
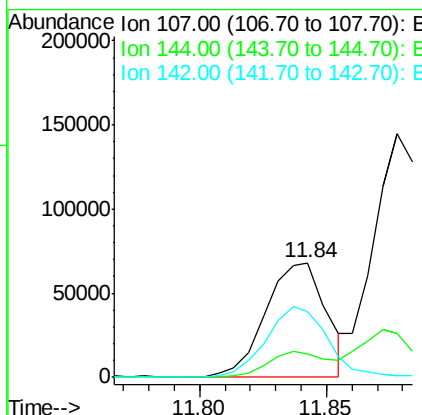
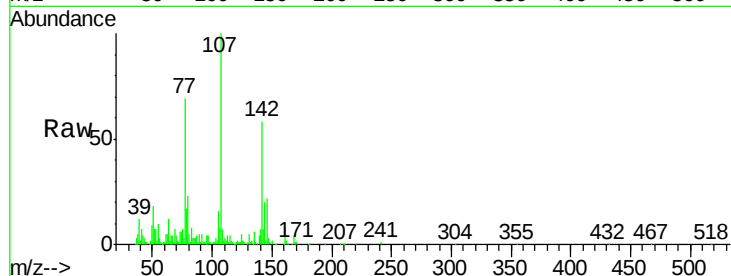




#36  
 4-Chloro-3-methylphenol  
 Concen: 44.95 ng  
 RT: 11.84 min Scan# 1558  
 Delta R.T. 0.03 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

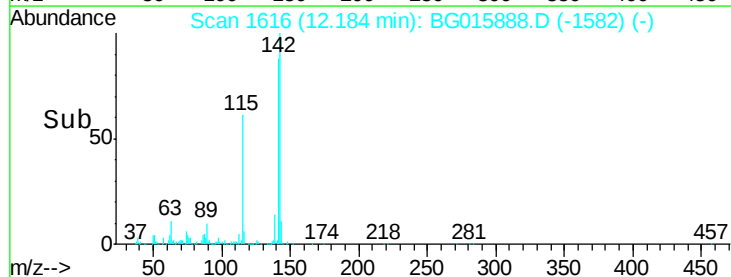
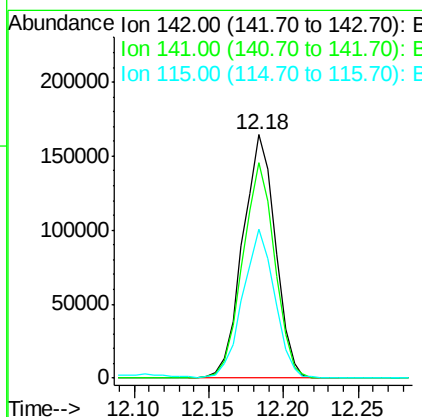
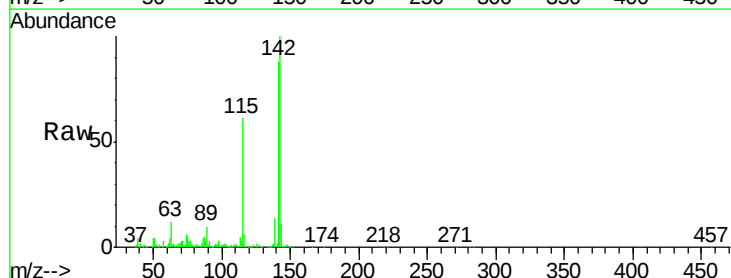
Instrument :  
 BNA\_G  
 ClientSampleId :

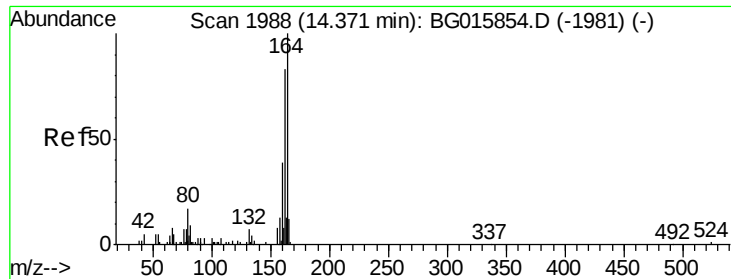
Tgt Ion:107 Resp: 111590  
 Ion Ratio Lower Upper  
 107 100  
 144 20.5 18.2 27.2  
 142 57.9 54.7 82.1



#37  
 2-Methylnaphthalene  
 Concen: 54.63 ng  
 RT: 12.18 min Scan# 1616  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Tgt Ion:142 Resp: 248245  
 Ion Ratio Lower Upper  
 142 100  
 141 88.3 67.3 100.9  
 115 61.0 44.3 66.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

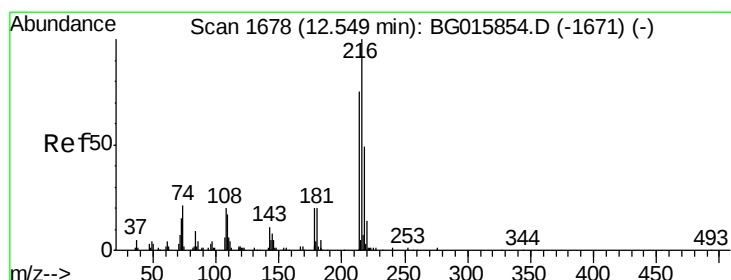
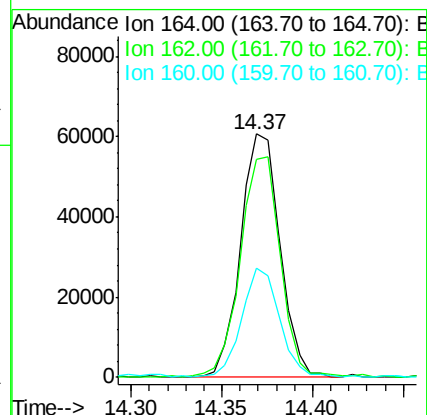
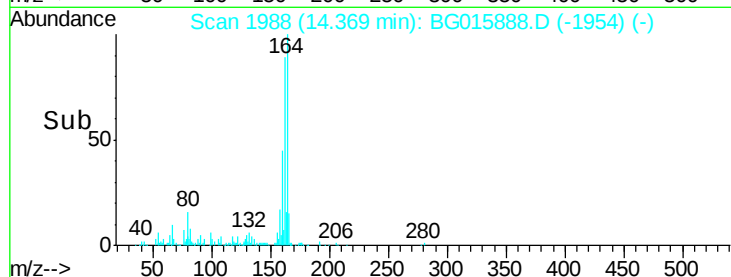
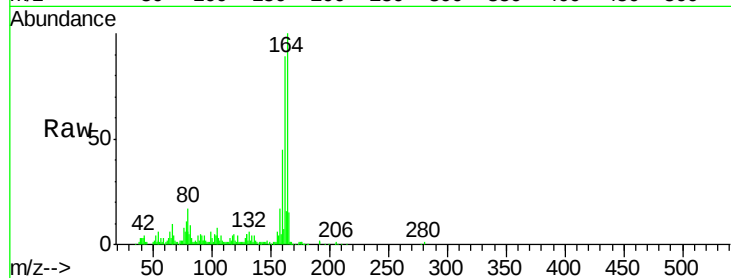
Tgt Ion:164 Resp: 91536

Ion Ratio Lower Upper

164 100

162 89.5 75.5 113.3

160 45.0 37.4 56.0



#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.28 ng

RT: 12.55 min Scan# 1679

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Tgt Ion:216 Resp: 154176

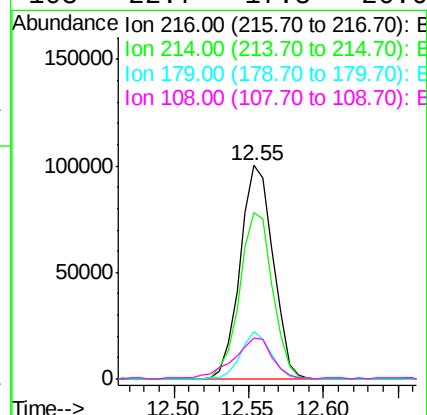
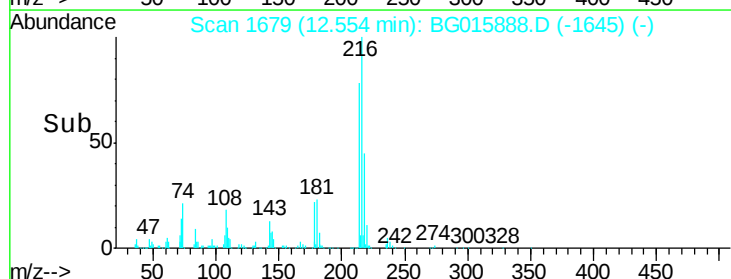
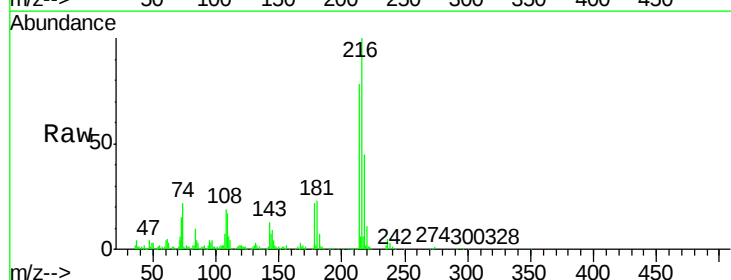
Ion Ratio Lower Upper

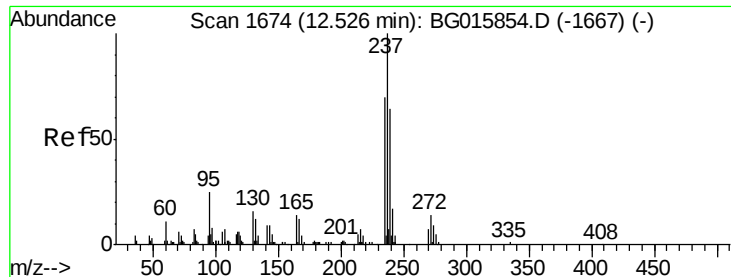
216 100

214 77.3 61.5 92.3

179 20.0 15.8 23.8

108 22.7 17.8 26.6

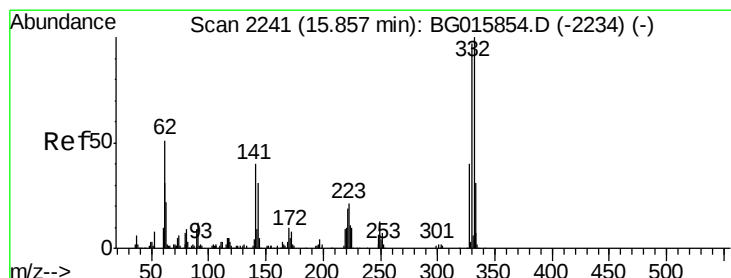
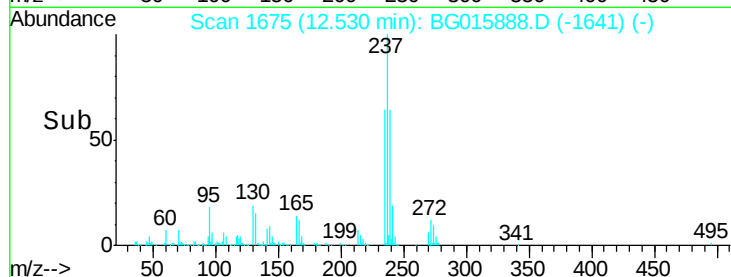
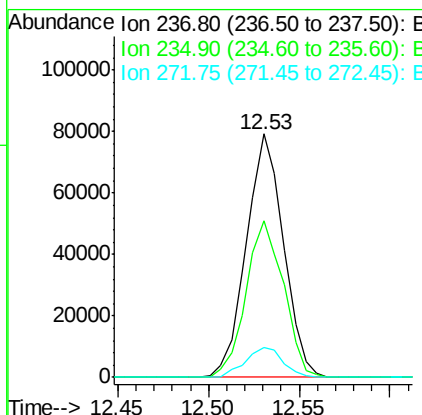
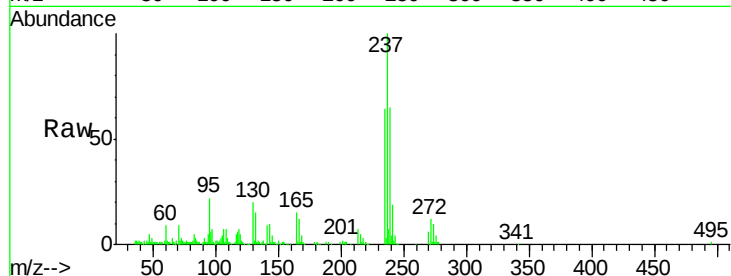




#40  
Hexachlorocyclopentadiene  
Concen: 43.65 ng  
RT: 12.53 min Scan# 1675  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

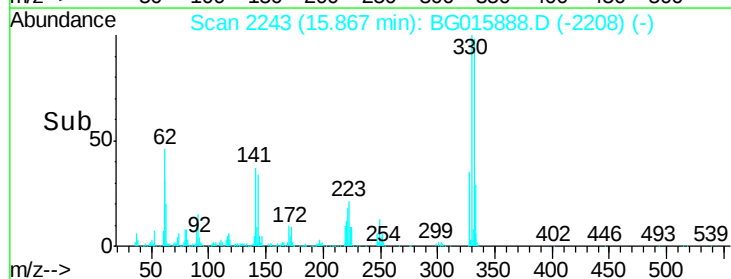
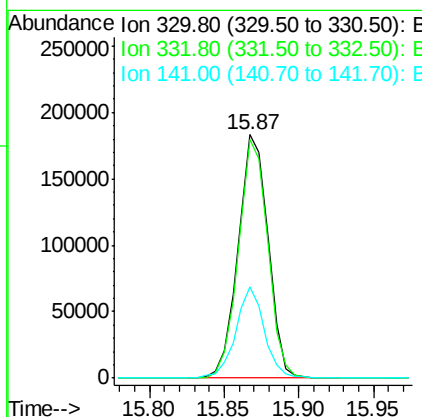
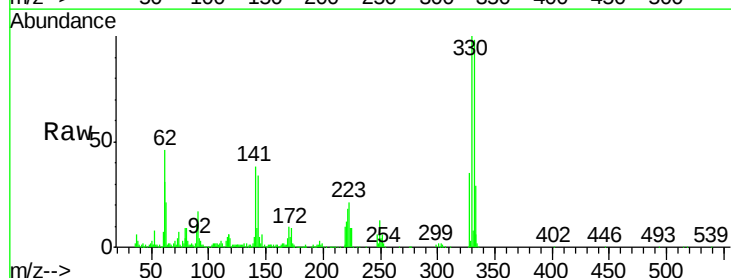
Instrument :  
BNA\_G  
ClientSampleId :

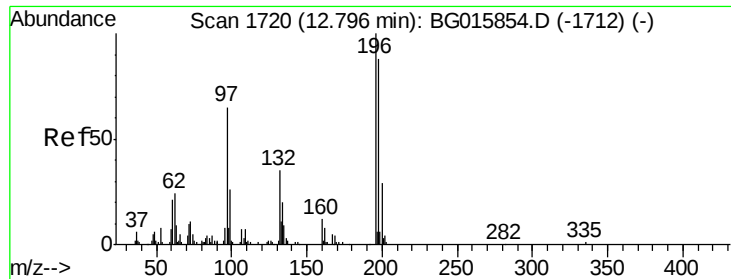
Tgt Ion: 237 Resp: 112606  
Ion Ratio Lower Upper  
237 100  
235 64.1 43.2 83.2  
272 12.4 0.0 31.1



#41  
2,4,6-Tribromophenol  
Concen: 73.44 ng  
RT: 15.87 min Scan# 2243  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion: 330 Resp: 255536  
Ion Ratio Lower Upper  
330 100  
332 96.2 73.8 110.8  
141 35.5 27.2 40.8





#42

2,4,6-Trichlorophenol

Concen: 45.17 ng

RT: 12.81 min Scan# 1722

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

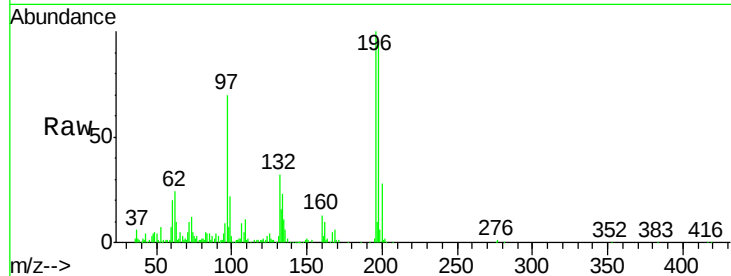
Tgt Ion:196 Resp: 94379

Ion Ratio Lower Upper

196 100

198 94.9 80.2 120.4

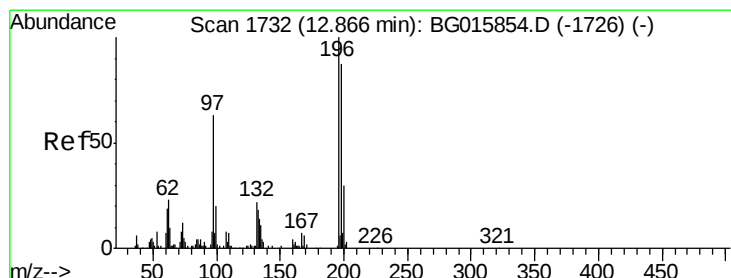
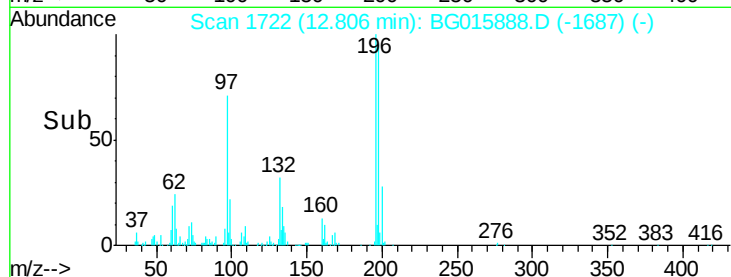
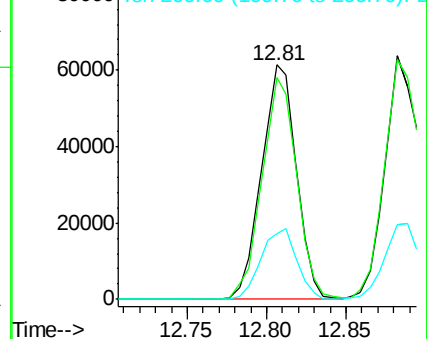
200 28.7 26.7 40.1



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 42.85 ng

RT: 12.88 min Scan# 1735

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Tgt Ion:196 Resp: 98063

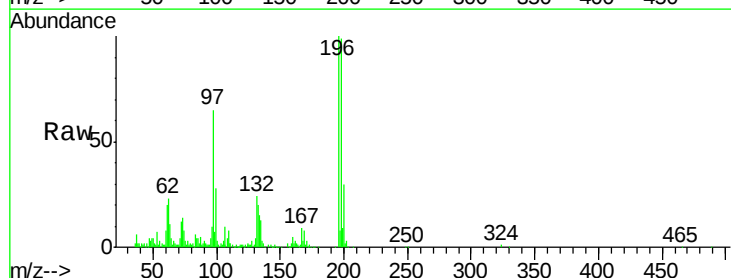
Ion Ratio Lower Upper

196 100

198 98.6 76.2 114.4

97 64.7 49.6 74.4

132 24.0 18.2 27.2

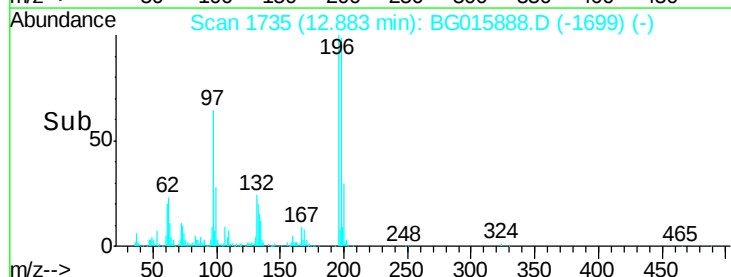
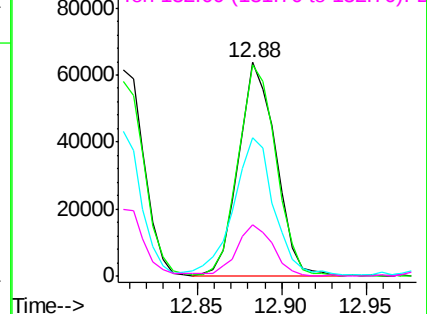


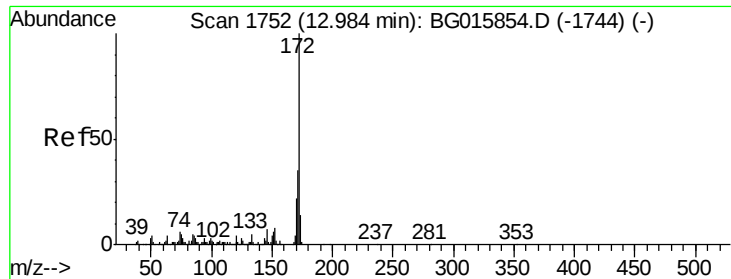
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

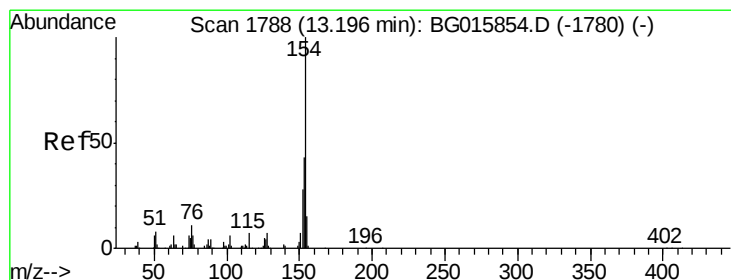
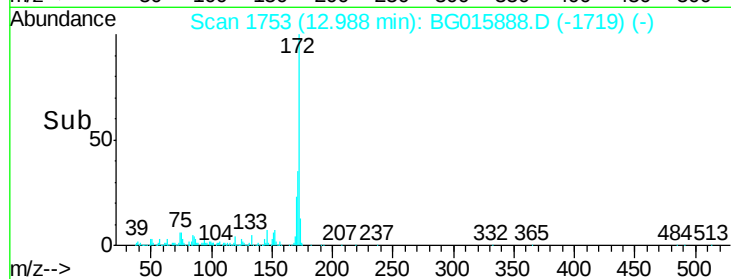
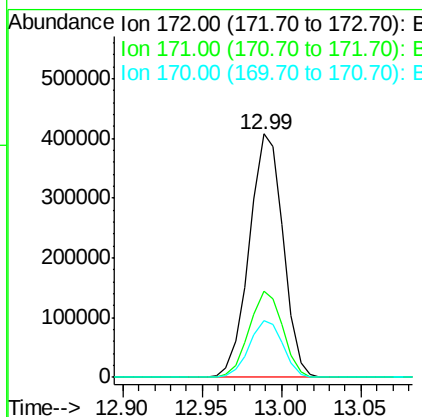
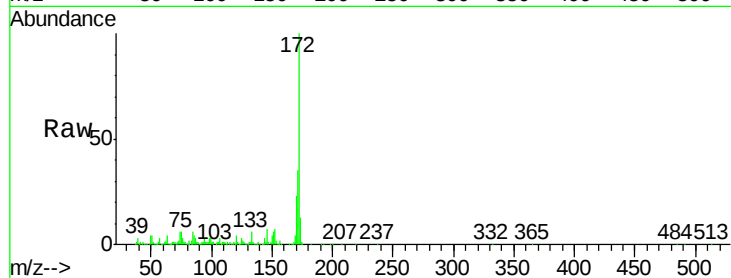




#44  
 2-Fluorobiphenyl  
 Concen: 47.09 ng  
 RT: 12.99 min Scan# 1753  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

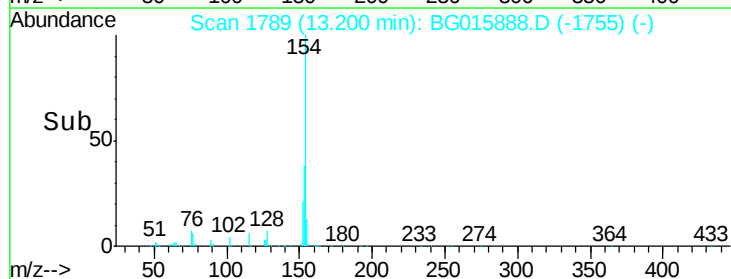
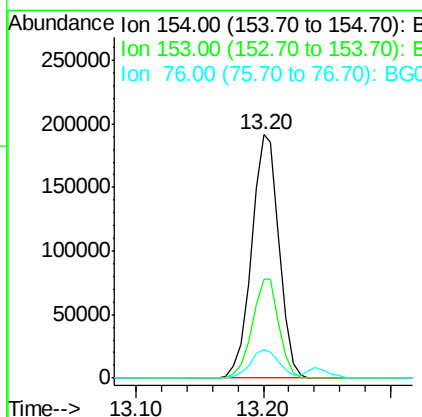
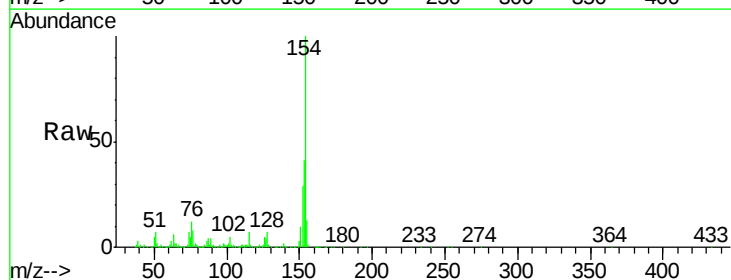
Instrument :  
 BNA\_G  
 ClientSampled :

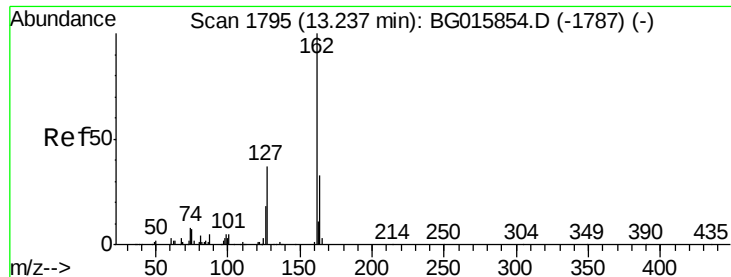
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.6  | 43.0  |
| 170     | 23.4  | 18.2  | 27.4  |



#45  
 1,1'-Biphenyl  
 Concen: 44.00 ng  
 RT: 13.20 min Scan# 1789  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.6  | 20.9  | 60.9  |
| 76      | 11.6  | 0.0   | 30.6  |

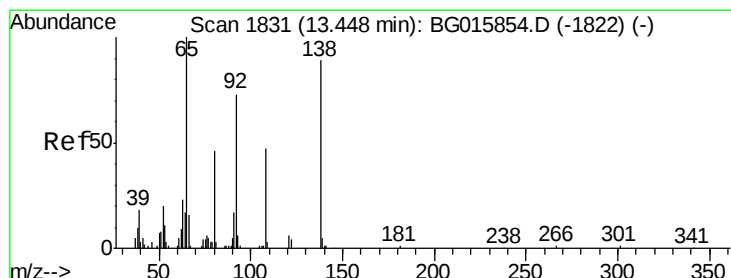
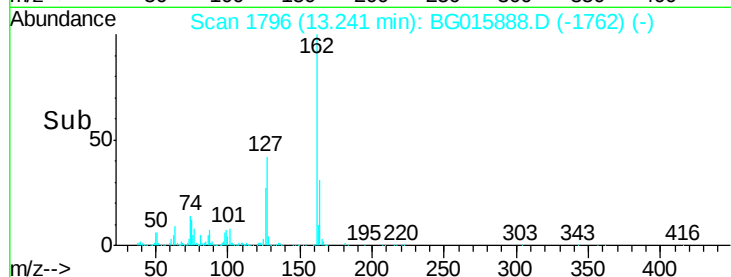
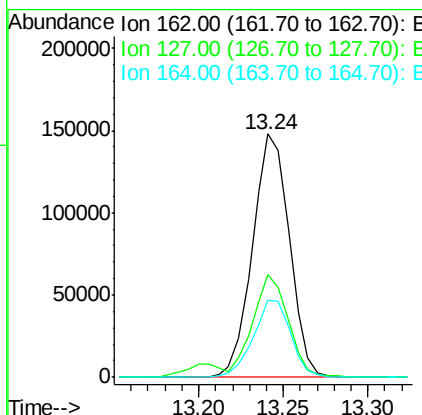
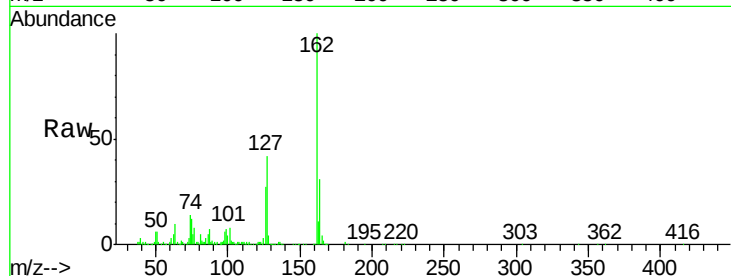




#46  
2-Chloronaphthalene  
Concen: 43.08 ng  
RT: 13.24 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

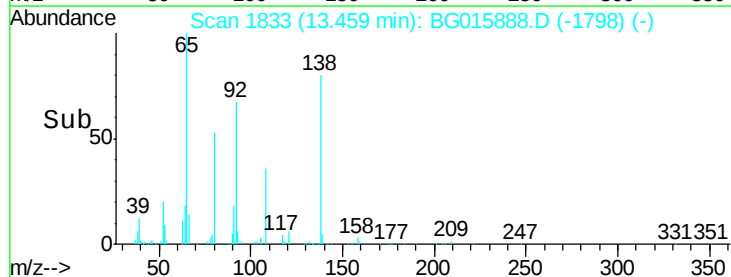
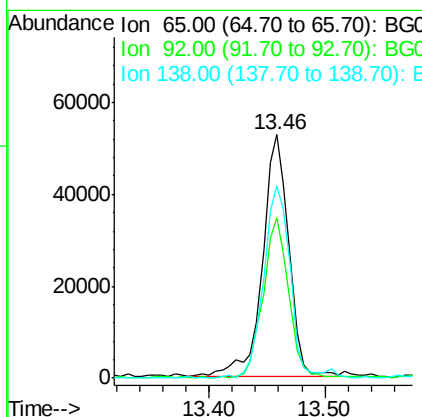
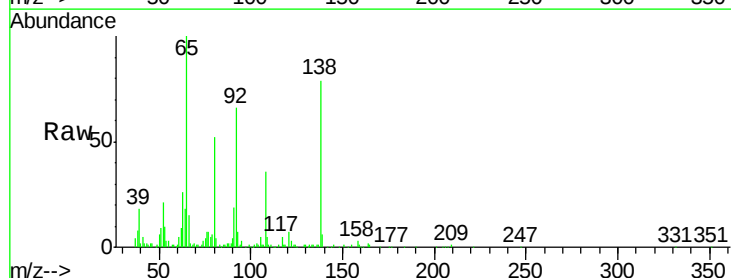
Instrument :  
BNA\_G  
ClientSampleId :

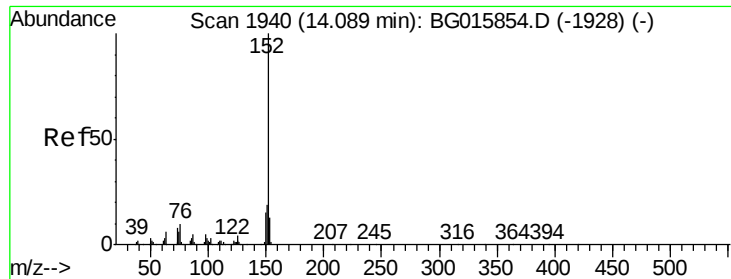
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.2  | 35.5  | 53.3  |
| 164     | 31.5  | 26.1  | 39.1  |



#47  
2-Nitroaniline  
Concen: 49.08 ng  
RT: 13.46 min Scan# 1833  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 66.1  | 54.6  | 81.8  |
| 138     | 79.1  | 68.4  | 102.6 |





#48

Acenaphthylene

Concen: 40.23 ng

RT: 14.09 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

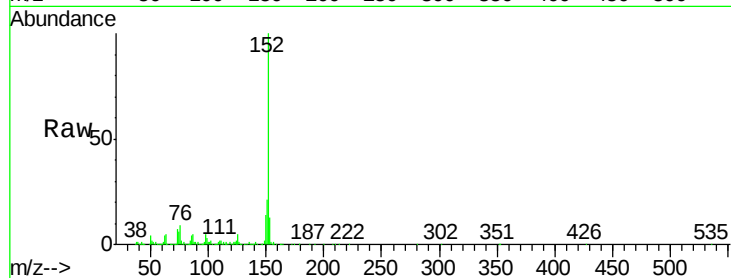
Tgt Ion:152 Resp: 358357

Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

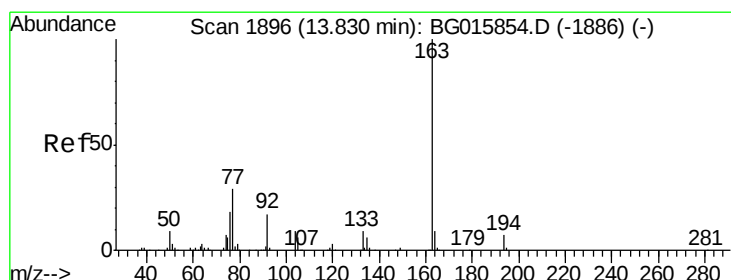
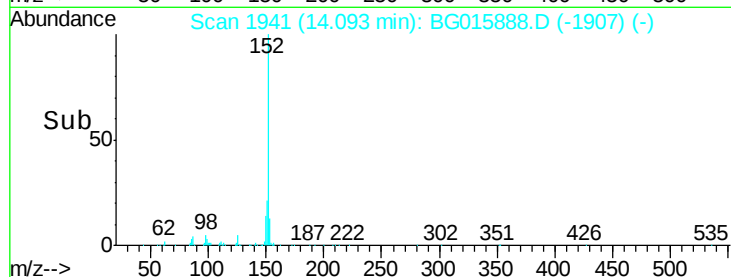
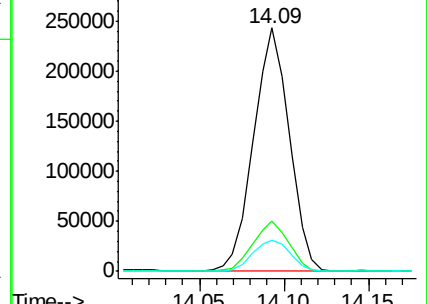
153 13.0 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 46.96 ng

RT: 13.83 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

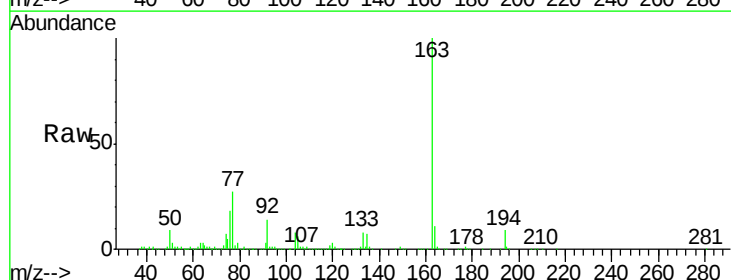
Tgt Ion:163 Resp: 317191

Ion Ratio Lower Upper

163 100

194 8.7 6.7 10.1

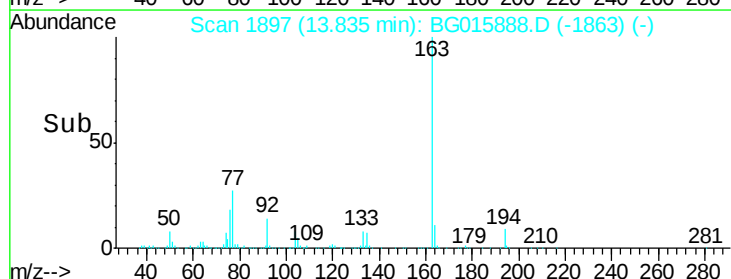
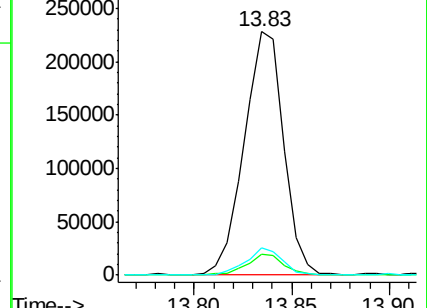
164 11.3 7.4 11.0#

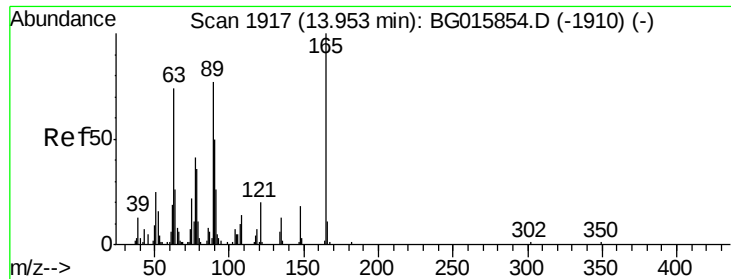


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

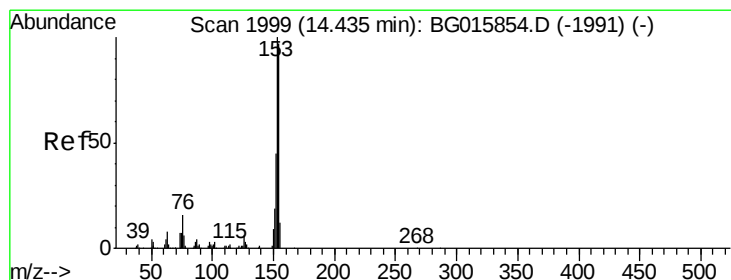
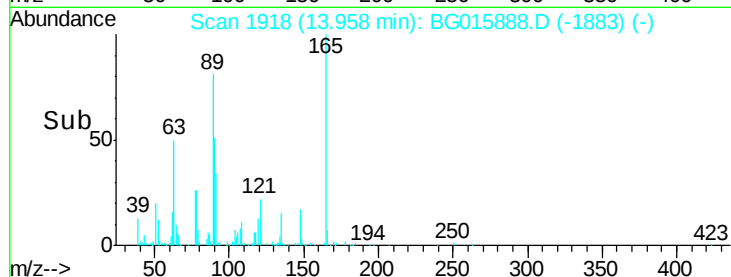
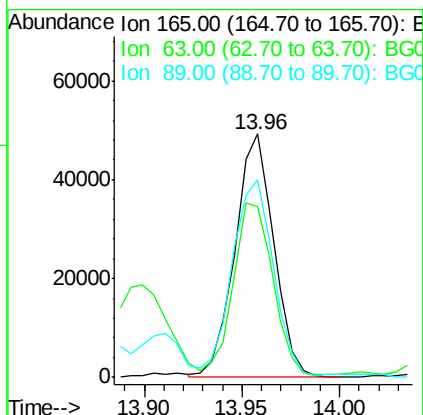
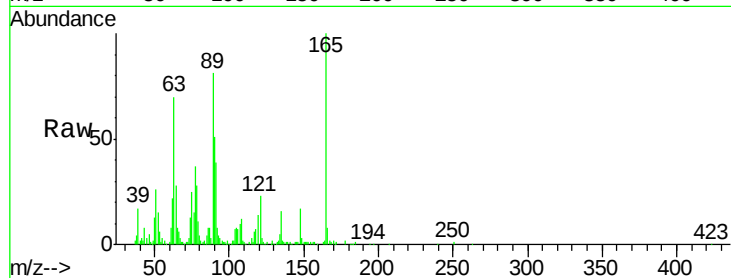




#50  
2,6-Dinitrotoluene  
Concen: 46.56 ng  
RT: 13.96 min Scan# 1918  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

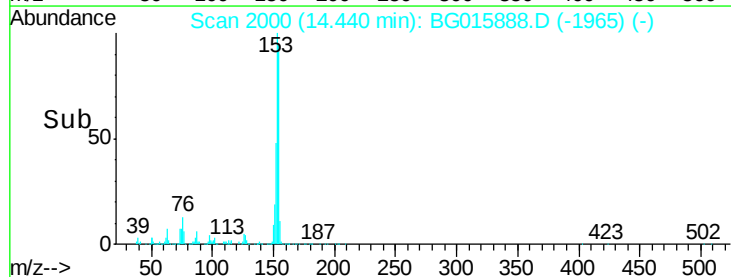
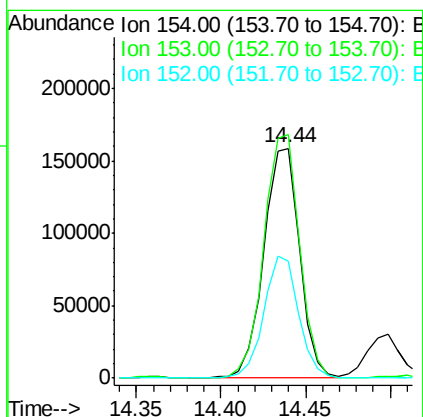
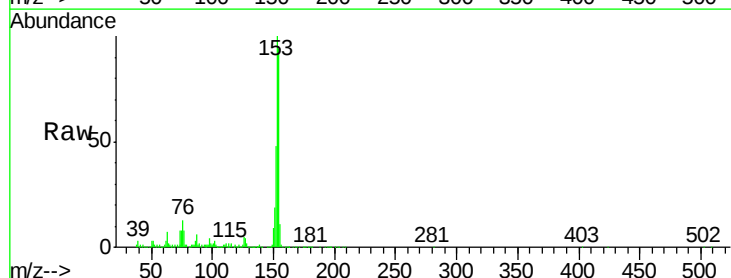
Instrument :  
BNA\_G  
ClientSampleId :

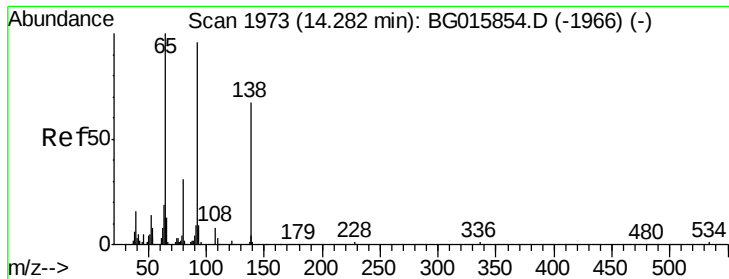
Tgt Ion:165 Resp: 67807  
Ion Ratio Lower Upper  
165 100  
63 70.0 55.9 83.9  
89 81.0 69.4 104.2



#51  
Acenaphthene  
Concen: 44.63 ng  
RT: 14.44 min Scan# 2000  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:154 Resp: 233493  
Ion Ratio Lower Upper  
154 100  
153 105.9 94.1 141.1  
152 50.7 42.6 63.8





#52

3-Nitroaniline

Concen: 11.44 ng

RT: 14.29 min Scan# 1975

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

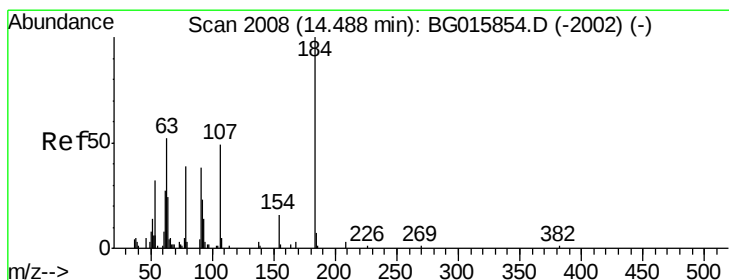
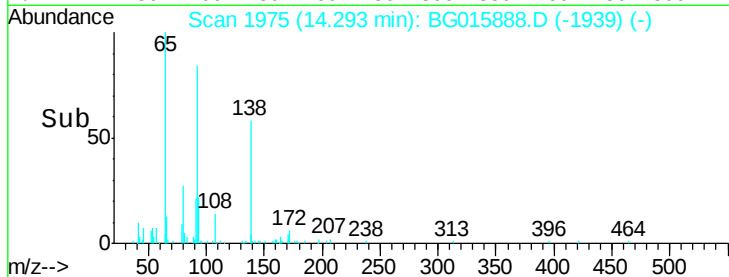
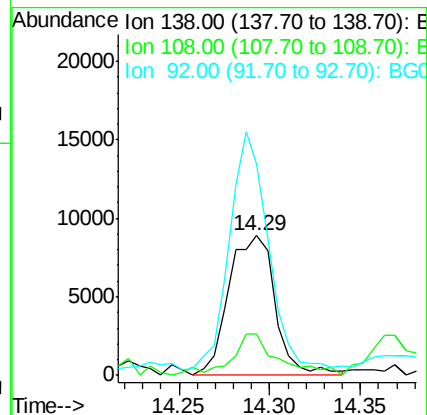
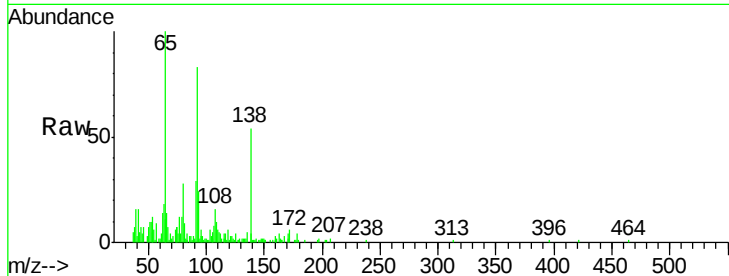
Tgt Ion:138 Resp: 15848

Ion Ratio Lower Upper

138 100

108 29.3 11.9 17.9#

92 152.2 103.7 155.5



#53

2,4-Dinitrophenol

Concen: 61.90 ng

RT: 14.50 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

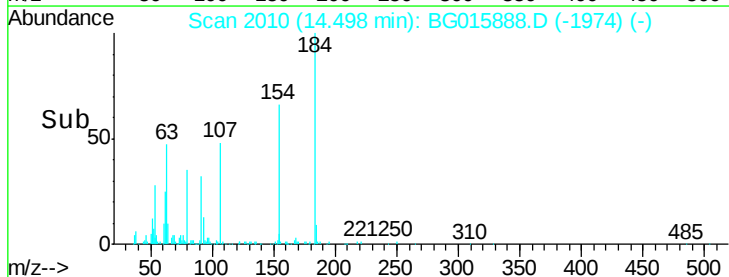
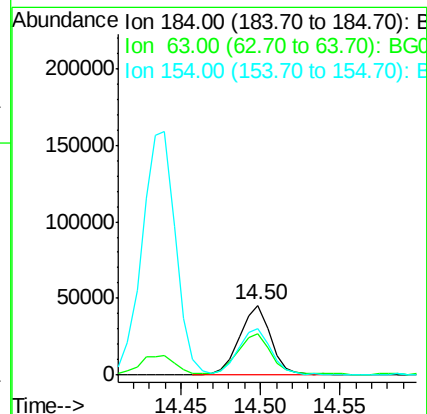
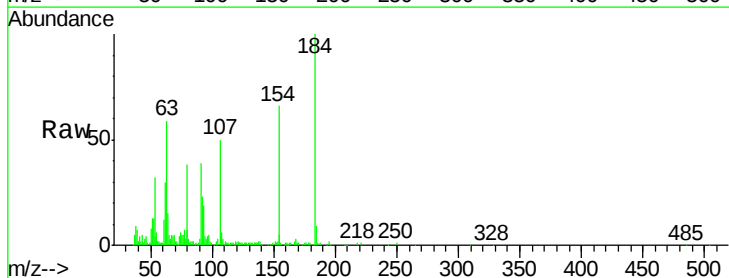
Tgt Ion:184 Resp: 62536

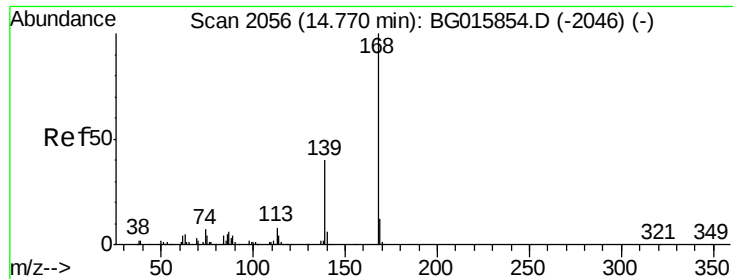
Ion Ratio Lower Upper

184 100

63 59.1 47.3 70.9

154 66.3 56.9 85.3





#54

Dibenzenofuran

Concen: 44.27 ng

RT: 14.77 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

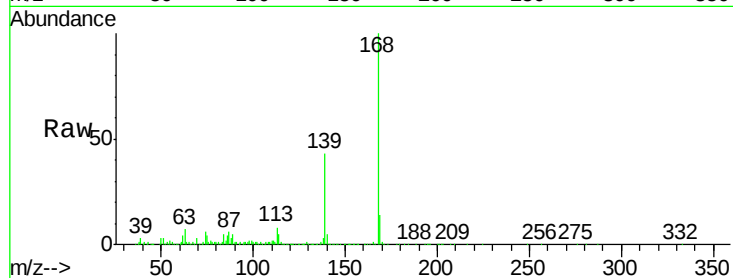
Tgt Ion:168 Resp: 375746

Ion Ratio Lower Upper

168 100

139 42.7 34.3 51.5

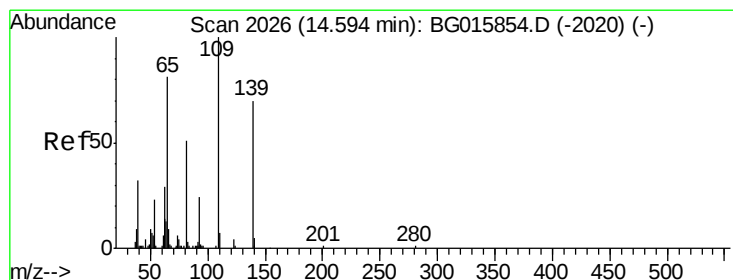
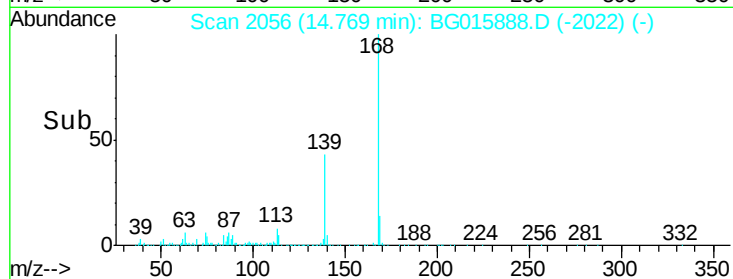
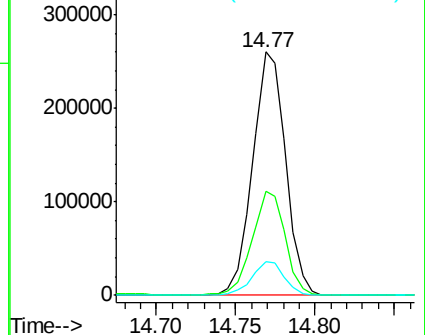
169 13.6 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 31.40 ng

RT: 14.64 min Scan# 2034

Delta R.T. 0.04 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

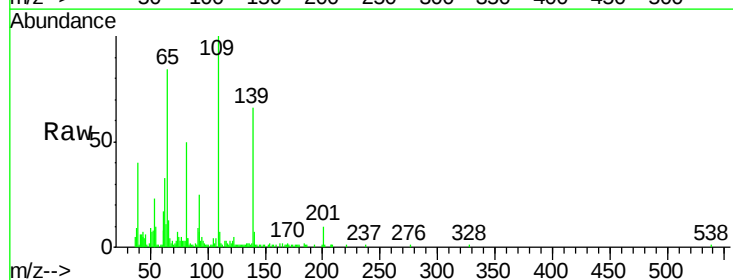
Tgt Ion:139 Resp: 35837

Ion Ratio Lower Upper

139 100

109 150.7 144.0 184.0

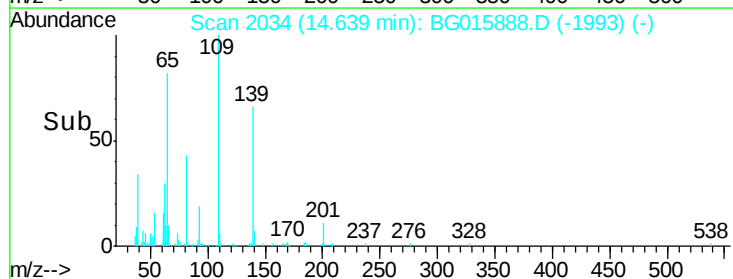
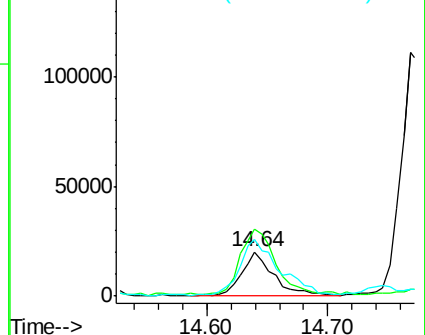
65 126.9 115.4 155.4

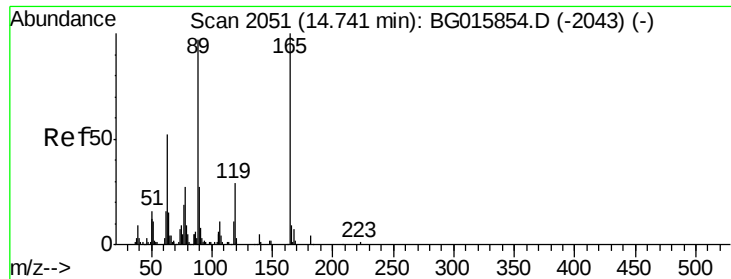


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGO

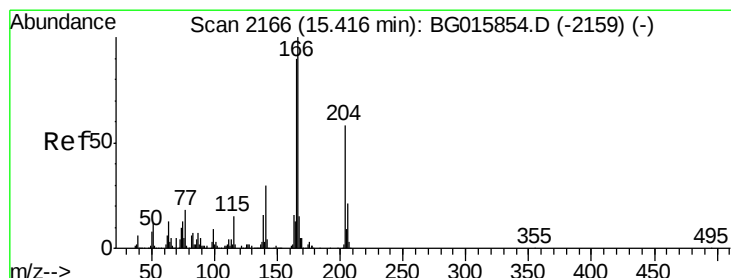
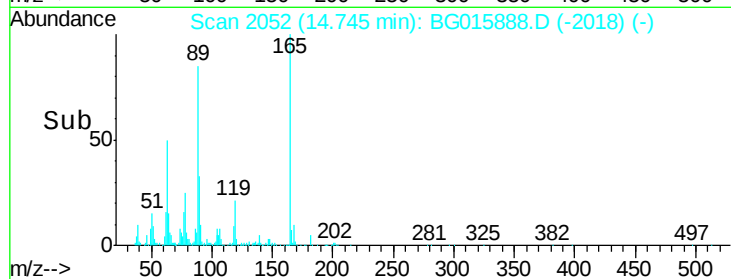
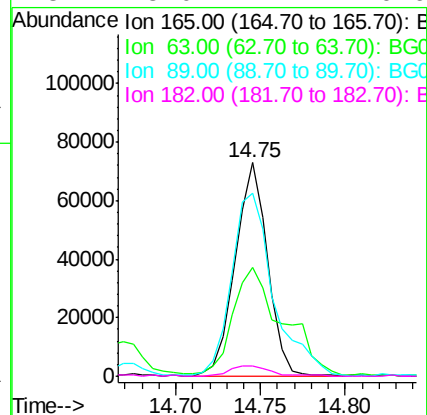
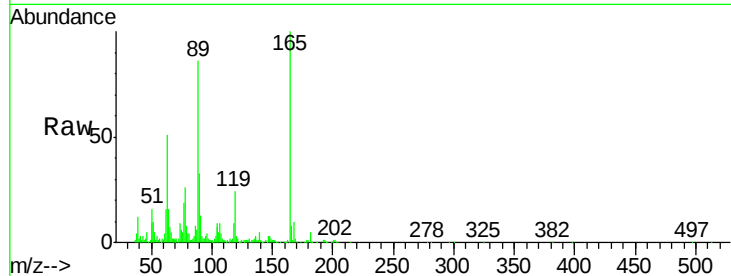




#56  
2,4-Dinitrotoluene  
Concen: 46.25 ng  
RT: 14.75 min Scan# 2052  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

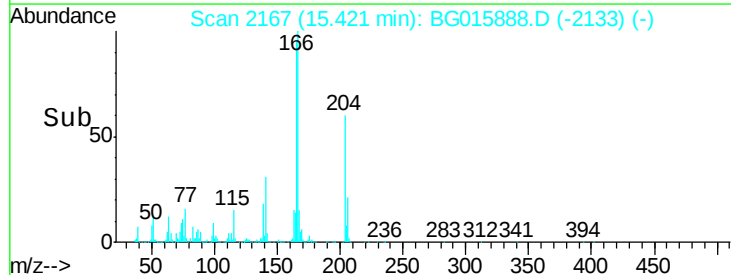
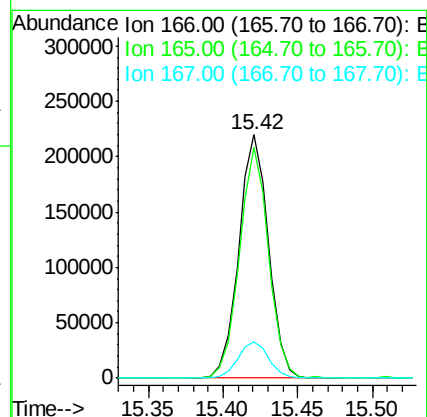
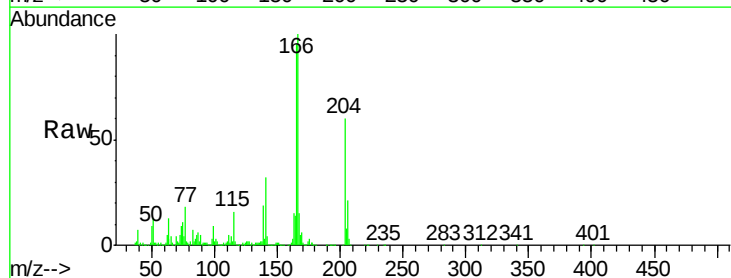
Instrument :  
BNA\_G  
ClientSampleId :

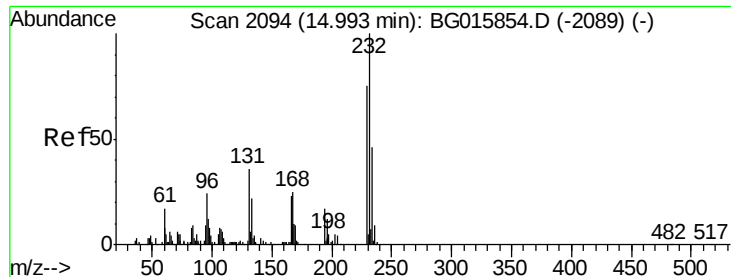
Tgt Ion:165 Resp: 97027  
Ion Ratio Lower Upper  
165 100  
63 51.1 37.9 56.9  
89 85.8 78.9 118.3  
182 5.0 4.4 6.6



#57  
Fluorene  
Concen: 43.78 ng  
RT: 15.42 min Scan# 2167  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:166 Resp: 302833  
Ion Ratio Lower Upper  
166 100  
165 94.8 77.7 116.5  
167 15.0 11.2 16.8





#58

2,3,4,6-Tetrachlorophenol

Concen: 43.73 ng

RT: 15.01 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

Tgt Ion:232 Resp: 112914

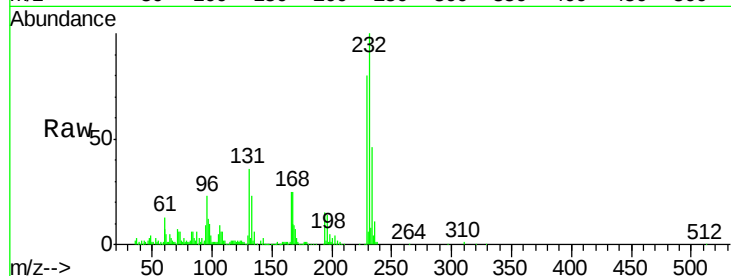
Ion Ratio Lower Upper

232 100

131 38.7 31.3 46.9

130 3.7 2.2 3.4#

166 24.1 19.5 29.3

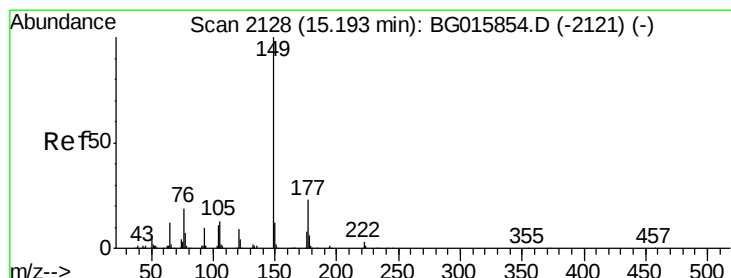
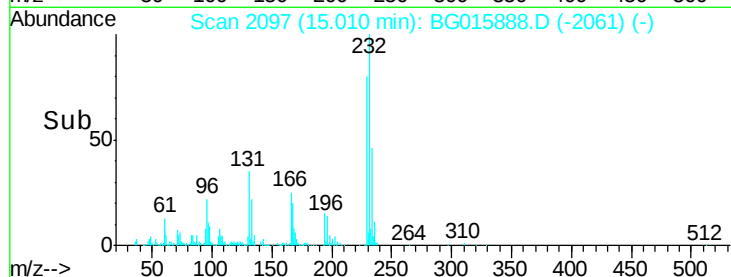
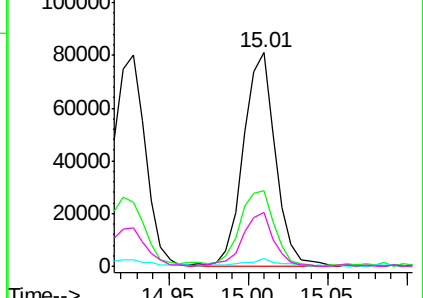


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Diethylphthalate

Concen: 46.54 ng

RT: 15.20 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

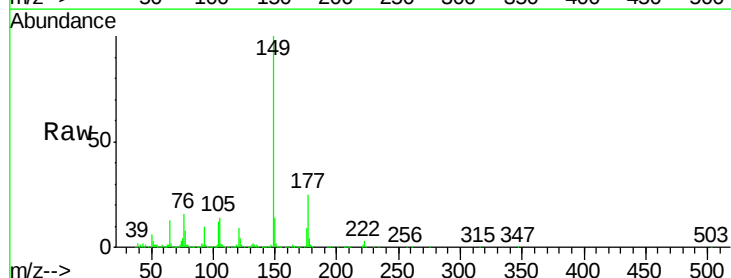
Tgt Ion:149 Resp: 347108

Ion Ratio Lower Upper

149 100

177 24.5 18.2 27.4

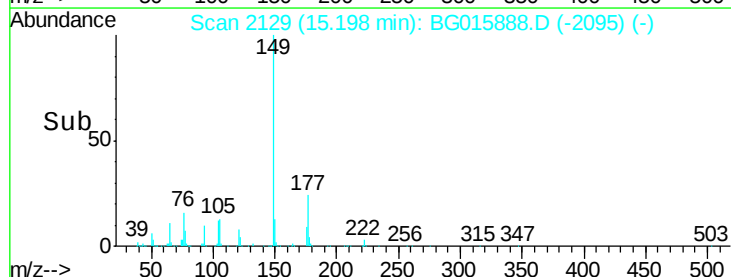
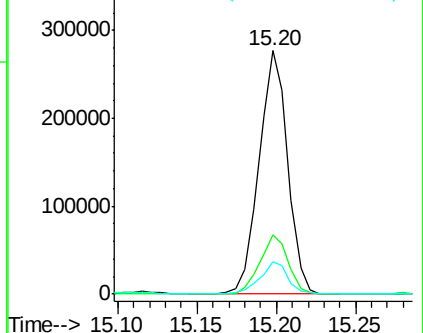
150 13.6 10.0 15.0

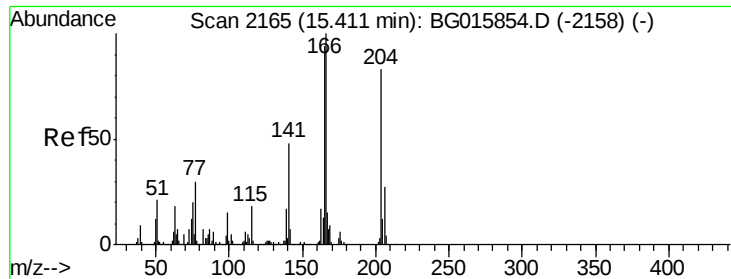


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

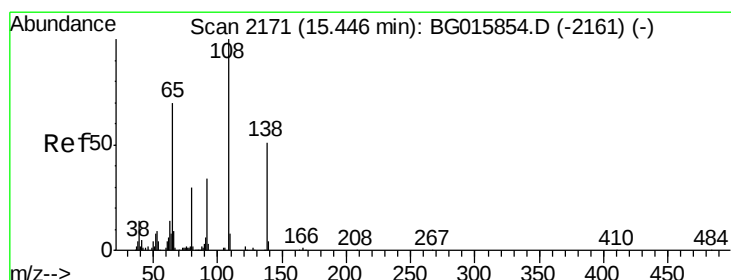
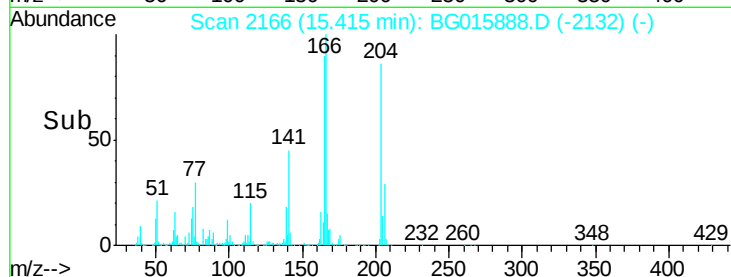
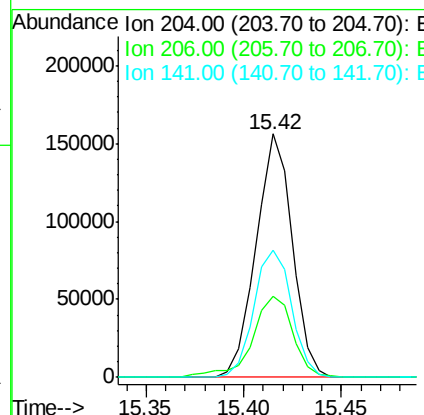
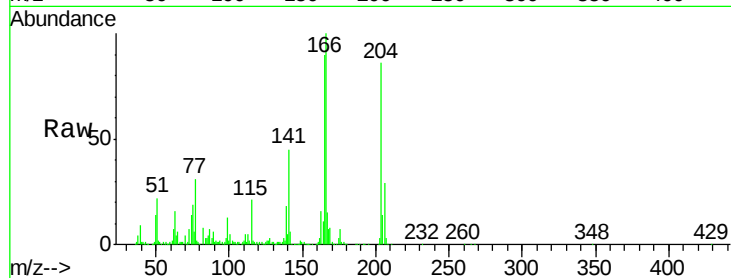




#60  
 4-Chlorophenyl-phenylether  
 Concen: 44.53 ng  
 RT: 15.42 min Scan# 2166  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

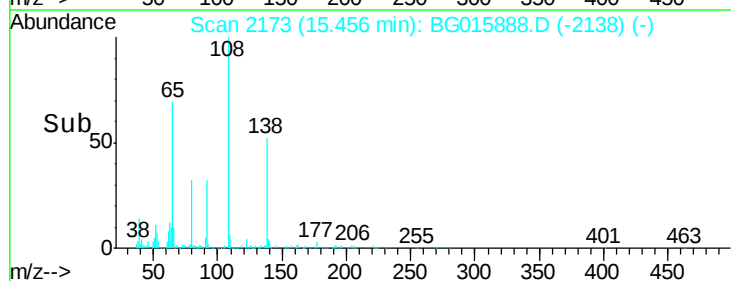
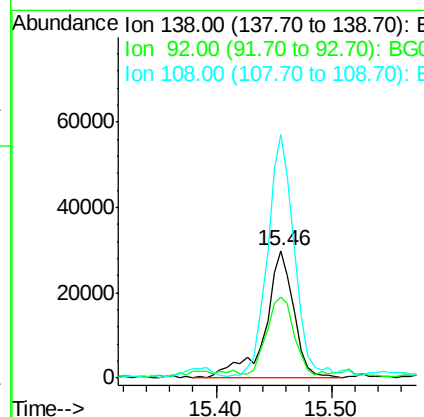
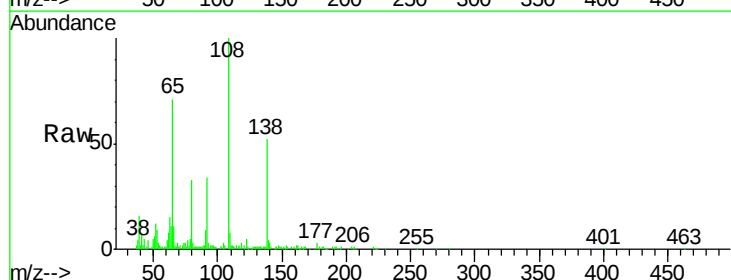
Instrument :  
 BNA\_G  
 ClientSampleId :

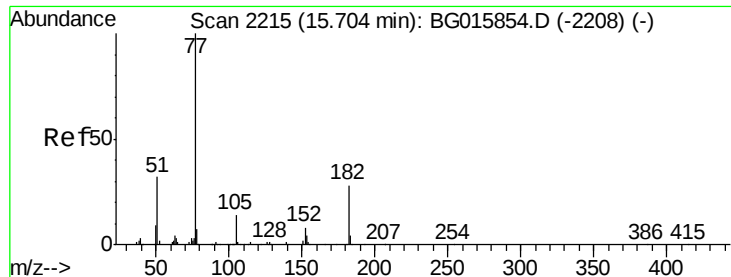
Tgt Ion: 204 Resp: 201163  
 Ion Ratio Lower Upper  
 204 100  
 206 33.4 28.2 42.4  
 141 52.1 41.1 61.7



#61  
 4-Nitroaniline  
 Concen: 31.77 ng  
 RT: 15.46 min Scan# 2173  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Tgt Ion: 138 Resp: 51747  
 Ion Ratio Lower Upper  
 138 100  
 92 64.1 42.2 82.2  
 108 191.2 147.2 187.2#





#62

Azobenzene

Concen: 42.73 ng

RT: 15.71 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

Tgt Ion: 77 Resp: 343496

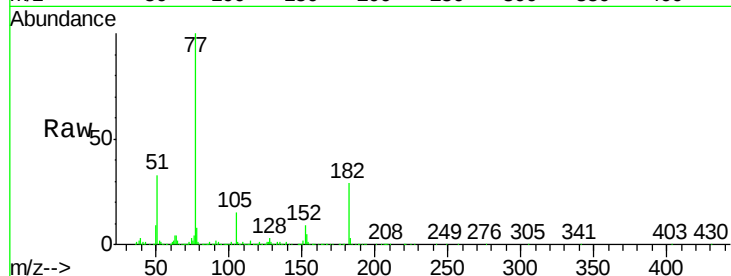
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.8  | 7.7   | 47.7  |
| 105 | 14.9  | 0.0   | 35.1  |
| 51  | 32.7  | 10.6  | 50.6  |

77 100

182 28.8 7.7 47.7

105 14.9 0.0 35.1

51 32.7 10.6 50.6

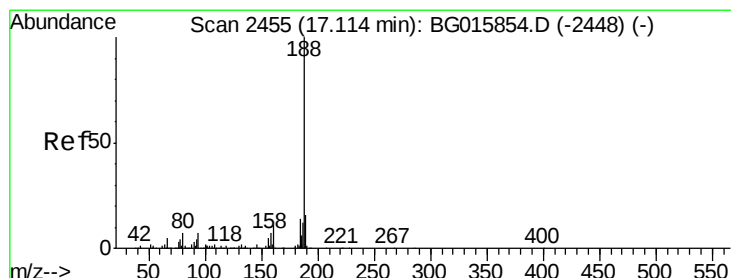
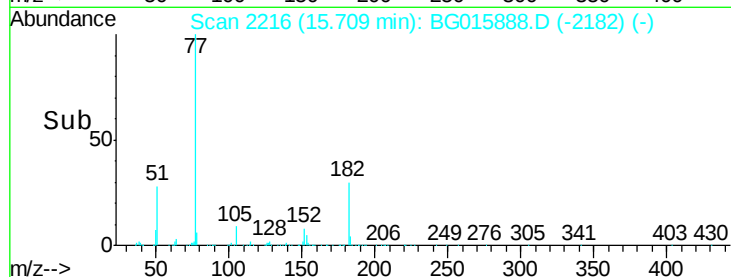
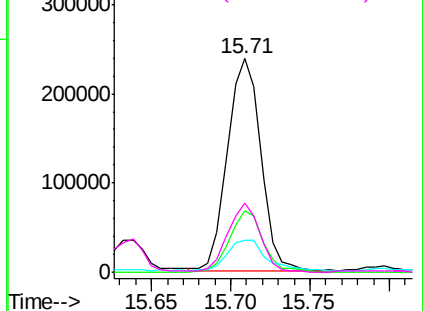


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.12 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

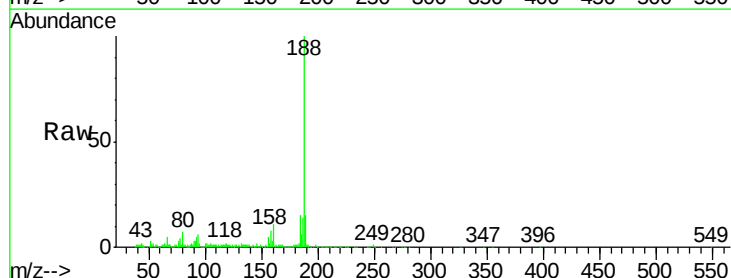
Tgt Ion: 188 Resp: 210384

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 6.3   | 5.4   | 8.0   |
| 80  | 7.4   | 6.6   | 9.8   |

188 100

94 6.3 5.4 8.0

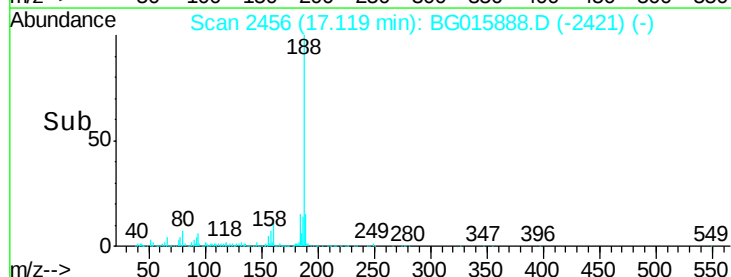
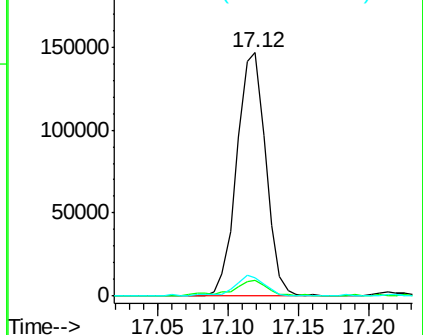
80 7.4 6.6 9.8

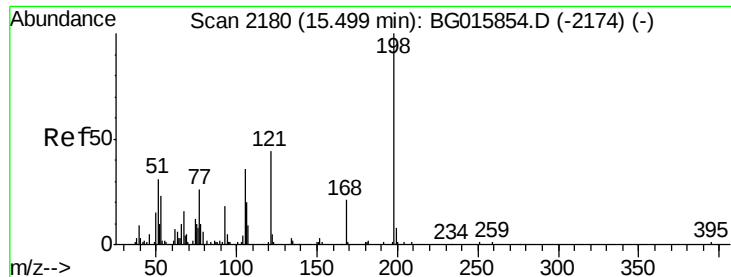


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

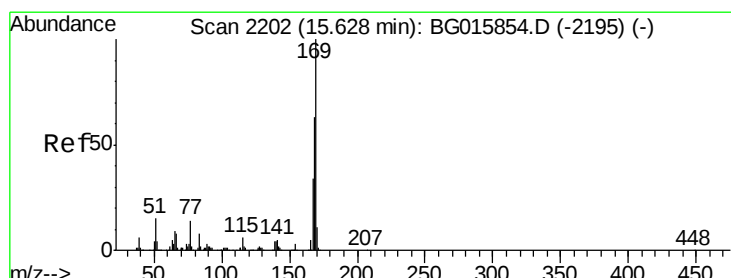
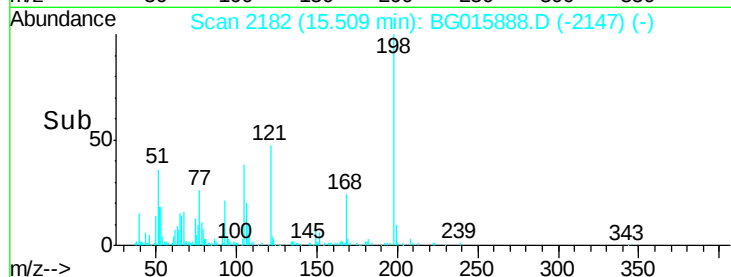
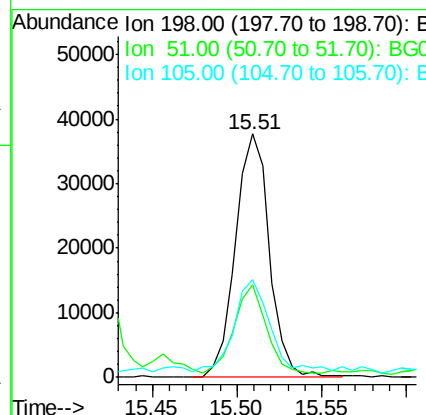
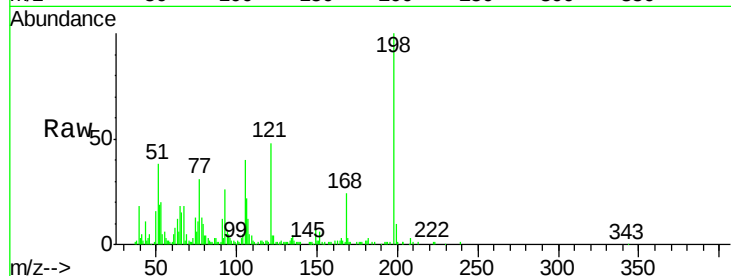




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 34.86 ng  
 RT: 15.51 min Scan# 2182  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

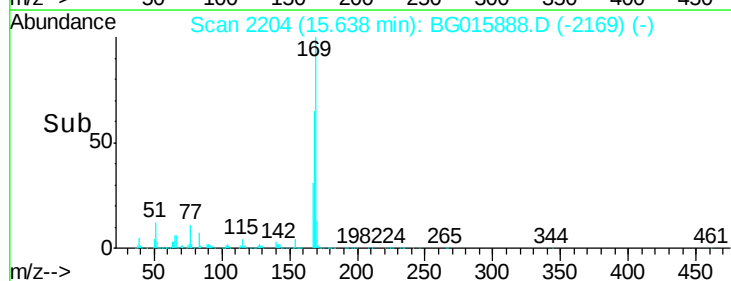
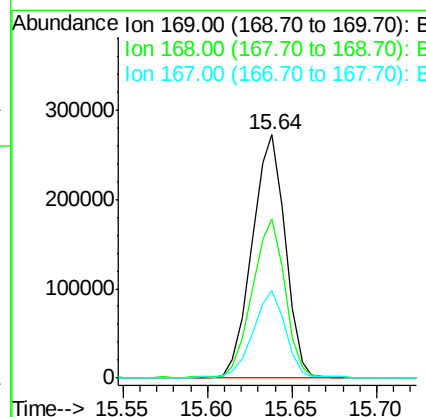
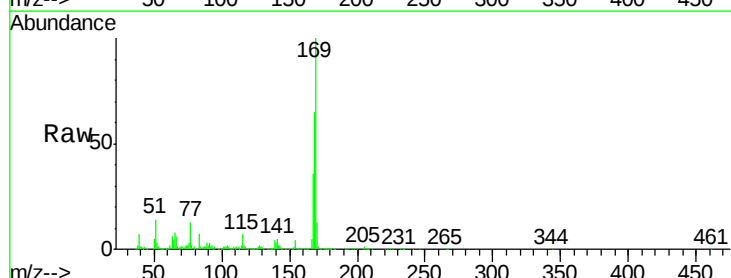
Instrument :  
 BNA\_G  
 ClientSampled :

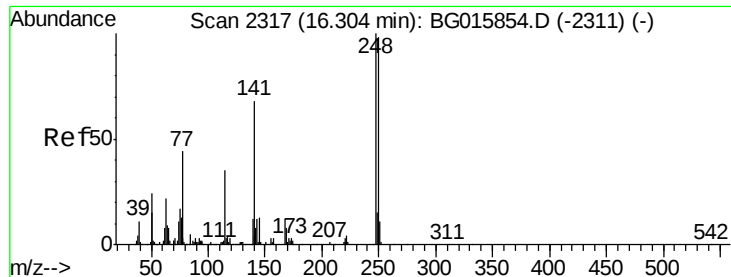
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 38.2  | 13.6  | 53.6  |
| 105     | 40.3  | 17.9  | 57.9  |



#65  
 n-Nitrosodiphenylamine  
 Concen: 61.39 ng  
 RT: 15.64 min Scan# 2204  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 65.4  | 52.7  | 79.1  |
| 167     | 36.0  | 29.3  | 43.9  |

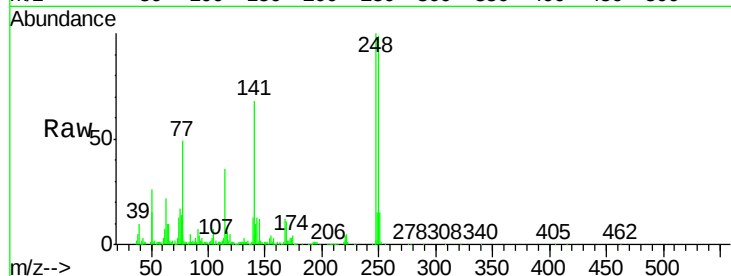




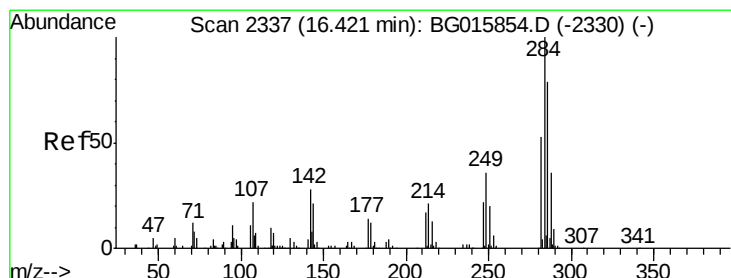
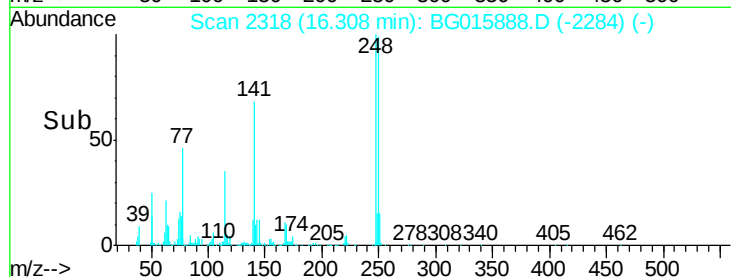
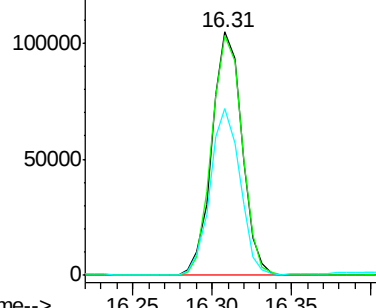
#66  
4-Bromophenyl-phenylether  
Concen: 47.65 ng  
RT: 16.31 min Scan# 2318  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

Tgt Ion:248 Resp: 137486  
Ion Ratio Lower Upper  
248 100  
250 98.6 83.5 125.3  
141 68.3 58.1 87.1

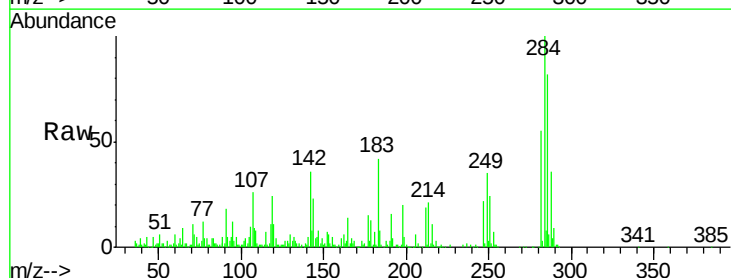


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

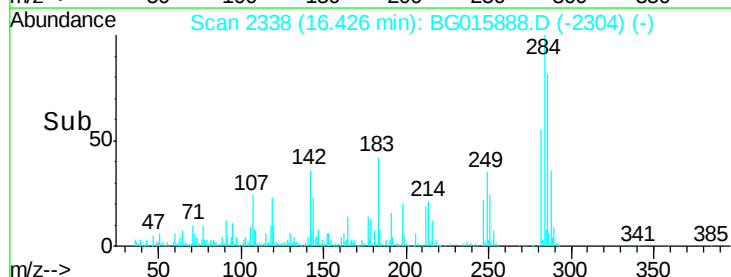
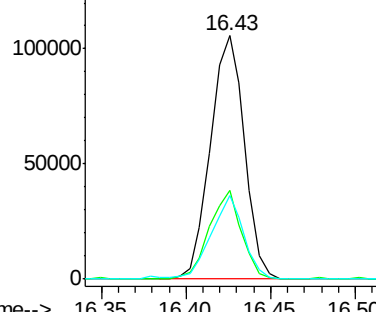


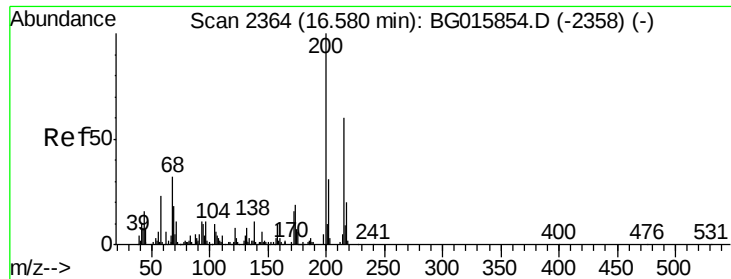
#67  
Hexachlorobenzene  
Concen: 45.23 ng  
RT: 16.43 min Scan# 2338  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:284 Resp: 147758  
Ion Ratio Lower Upper  
284 100  
142 36.4 26.1 39.1  
249 37.5 26.0 39.0



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

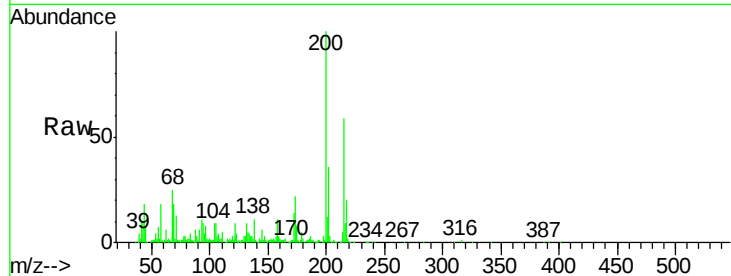




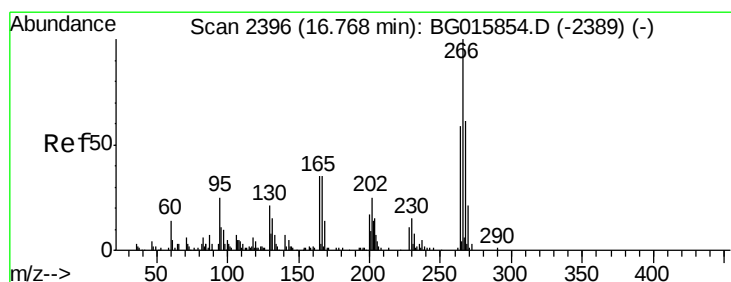
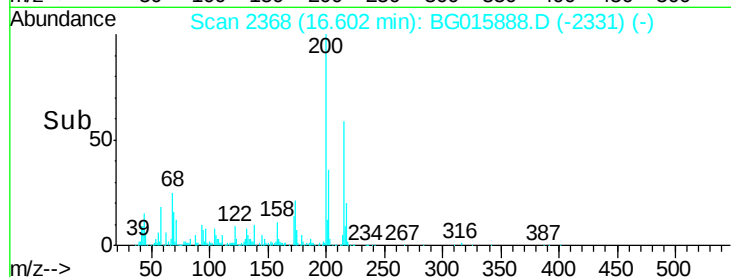
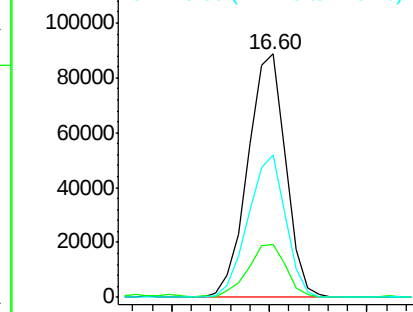
#68  
Atrazine  
Concen: 44.02 ng  
RT: 16.60 min Scan# 2368  
Delta R.T. 0.02 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Instrument :  
BNA\_G  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 21.9  | 1.1   | 41.1  |
| 215     | 58.8  | 35.6  | 75.6  |

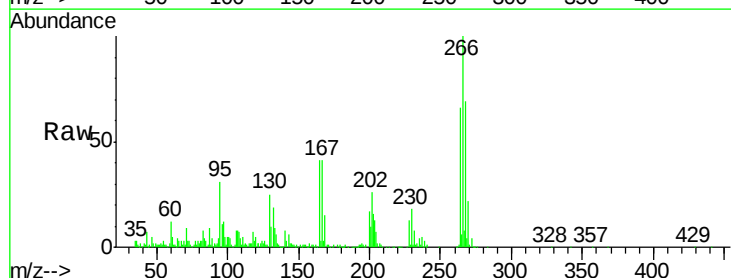


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

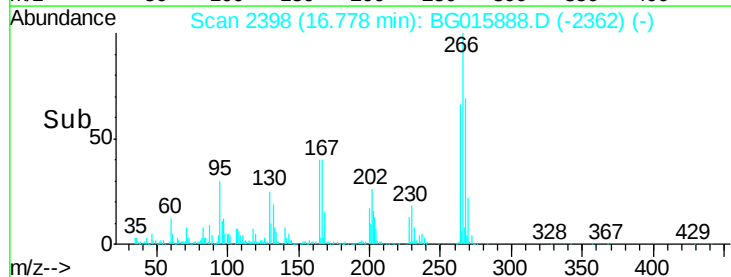
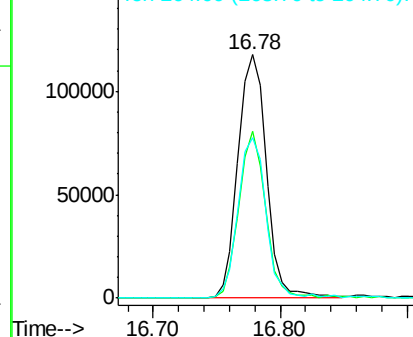


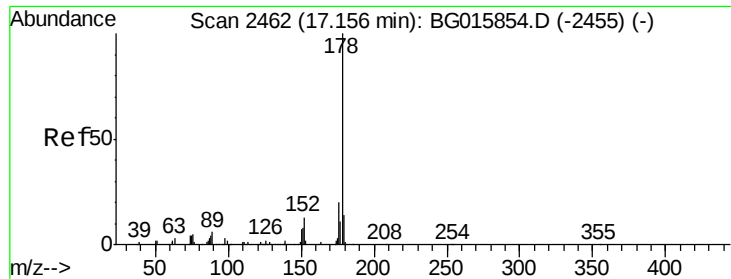
#69  
Pentachlorophenol  
Concen: 86.40 ng  
RT: 16.78 min Scan# 2398  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 68.8  | 50.2  | 75.2  |
| 264     | 71.7  | 48.2  | 72.2  |



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: 44.72 ng

RT: 17.16 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

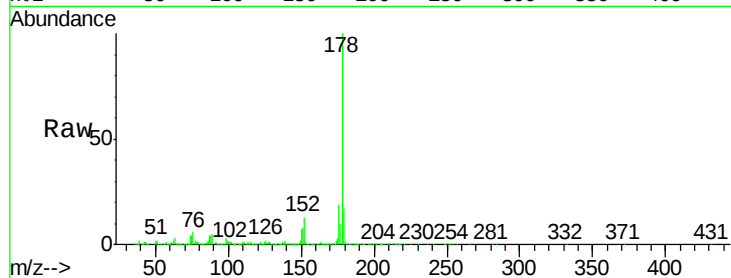
Tgt Ion:178 Resp: 500730

Ion Ratio Lower Upper

178 100

176 19.3 14.5 21.7

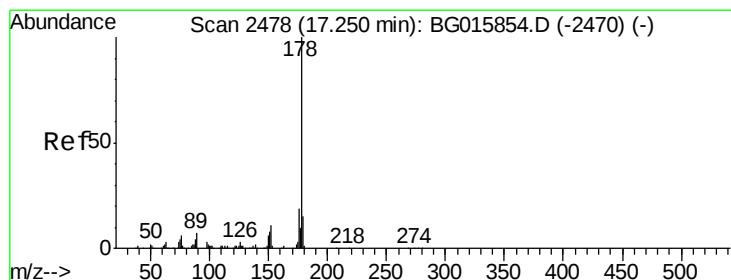
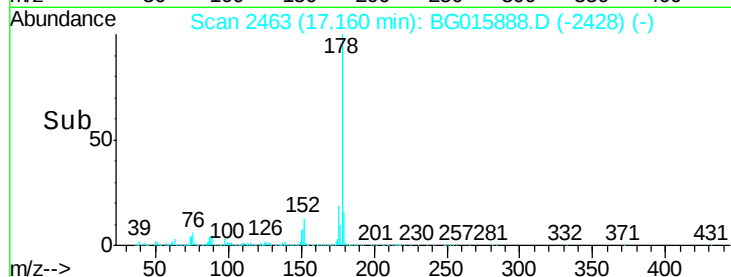
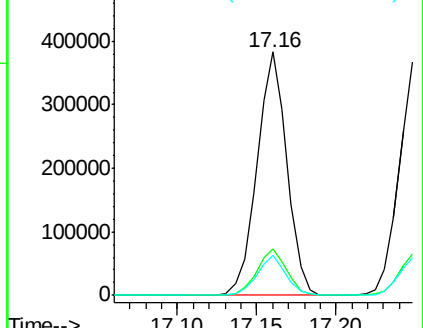
179 16.6 12.6 19.0



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: 44.60 ng

RT: 17.25 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

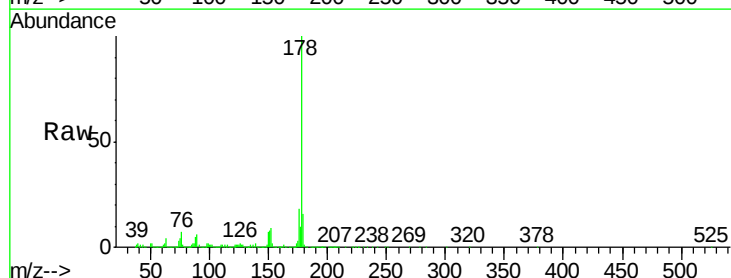
Tgt Ion:178 Resp: 496033

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

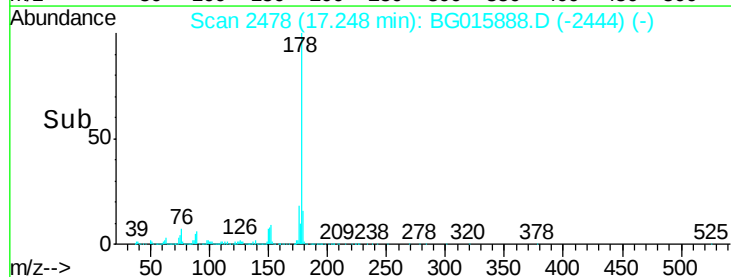
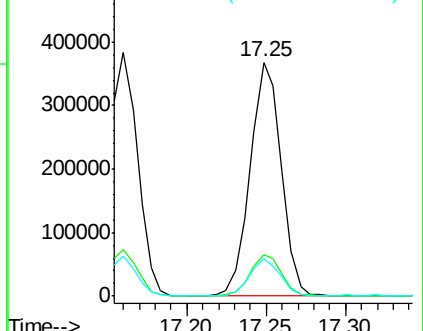
179 16.2 12.6 18.8

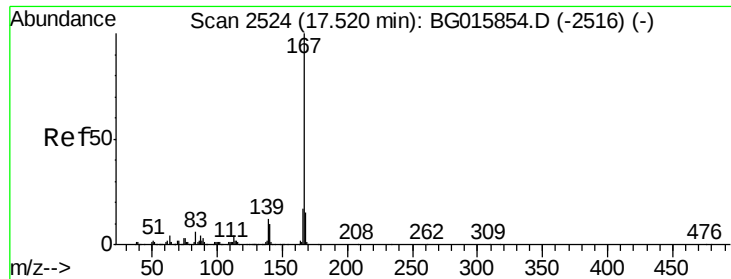


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 43.10 ng

RT: 17.53 min Scan# 2526

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

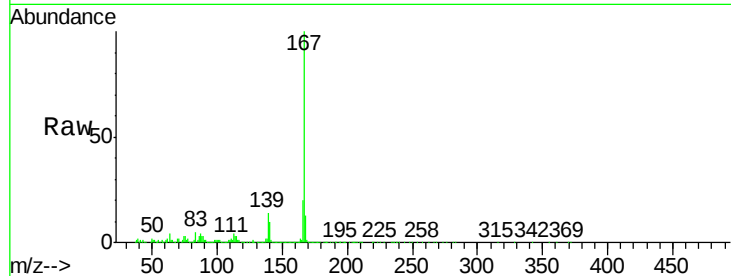
Tgt Ion:167 Resp: 459817

Ion Ratio Lower Upper

167 100

166 20.0 15.0 22.4

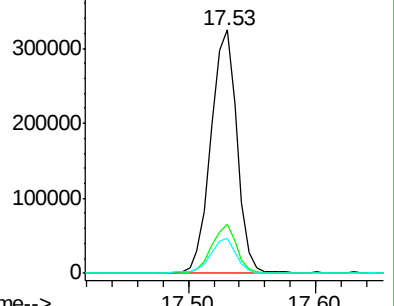
139 14.3 11.0 16.4



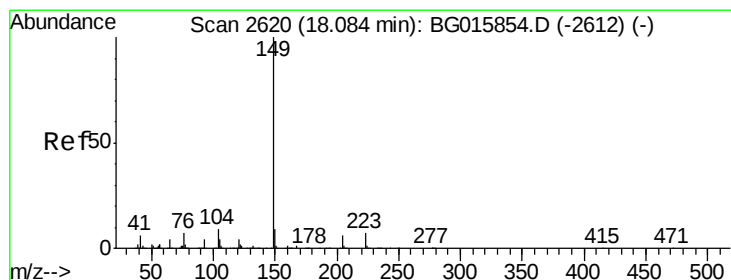
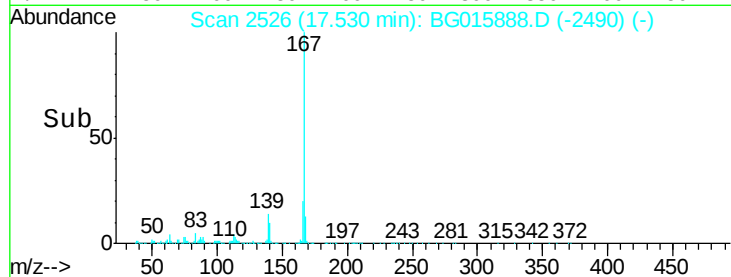
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 44.12 ng

RT: 18.09 min Scan# 2621

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

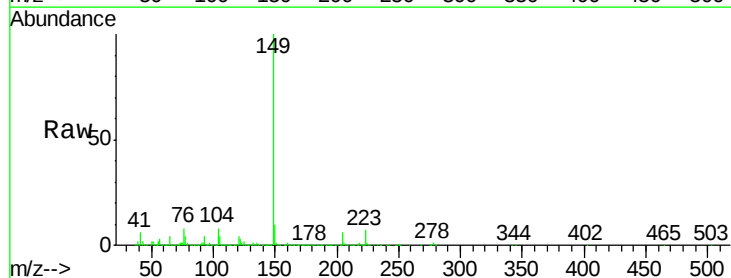
Tgt Ion:149 Resp: 554148

Ion Ratio Lower Upper

149 100

150 9.7 7.1 10.7

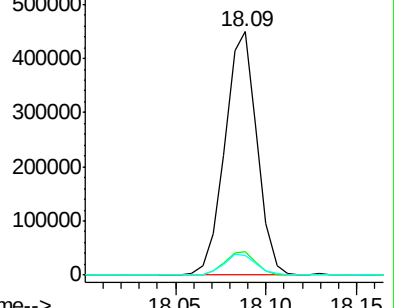
104 8.3 6.8 10.2



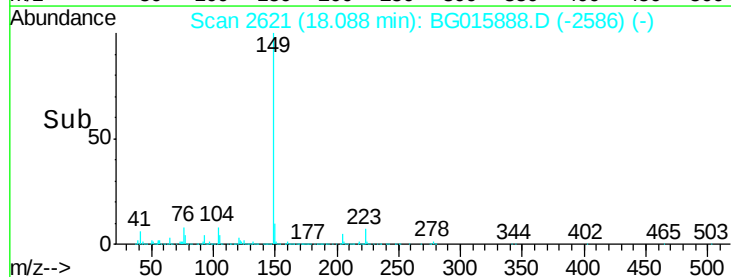
Abundance Ion 149.00 (148.70 to 149.70): E

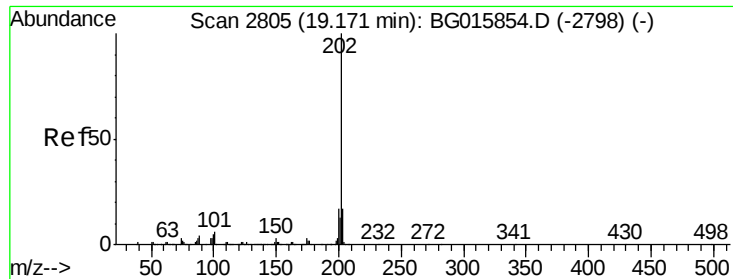
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#74

Fluoranthene

Concen: 40.69 ng

RT: 19.18 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

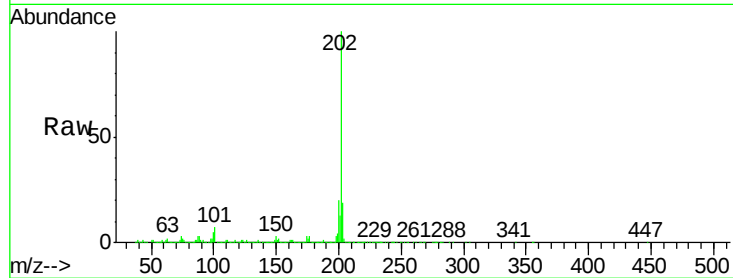
Tgt Ion:202 Resp: 689118

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.1

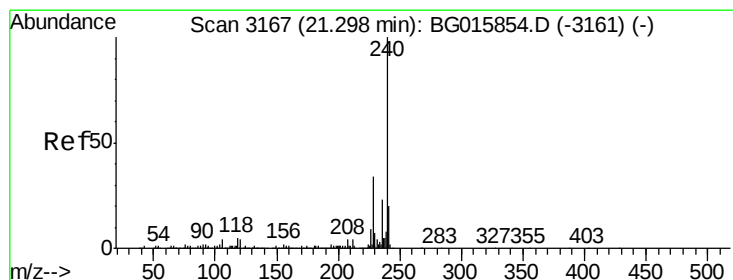
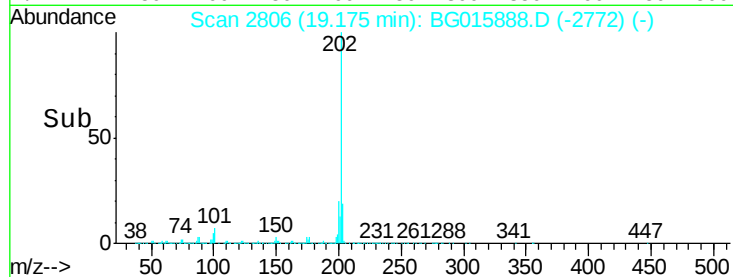
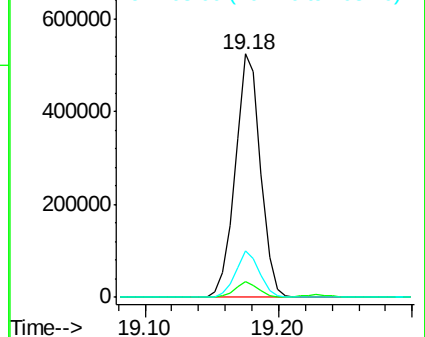
203 19.0 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.30 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

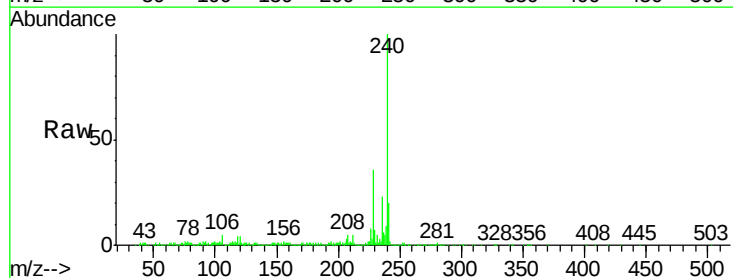
Tgt Ion:240 Resp: 301703

Ion Ratio Lower Upper

240 100

120 4.4 3.4 5.2

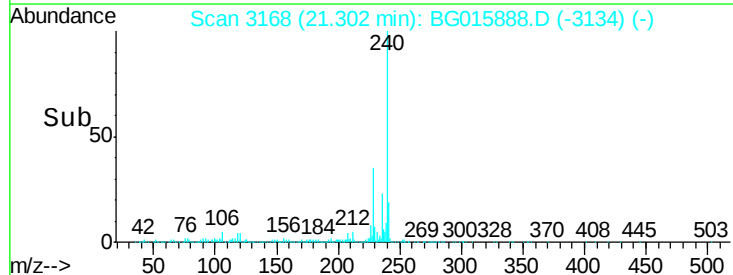
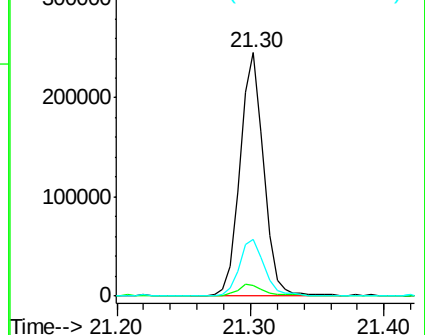
236 23.4 19.0 28.6

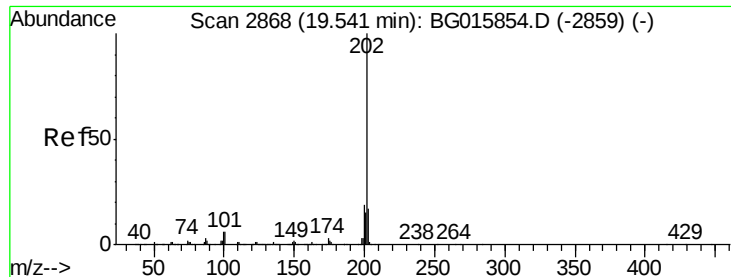


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

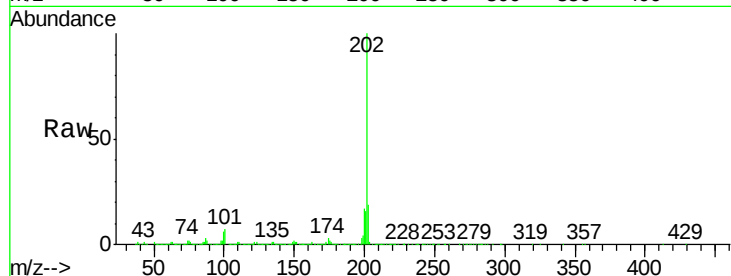




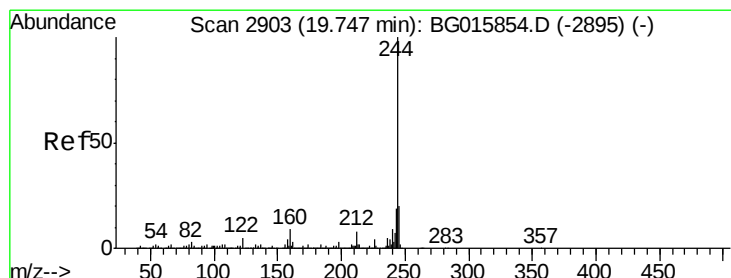
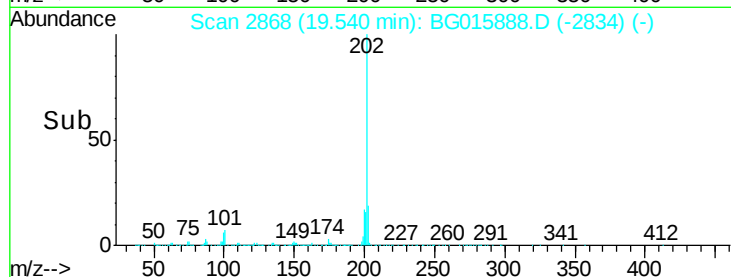
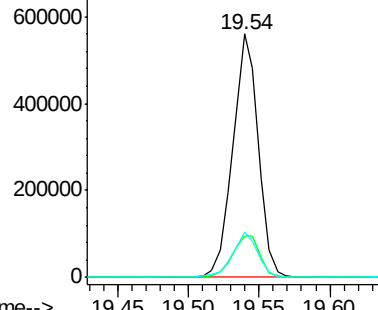
#77  
 Pyrene  
 Concen: 44.13 ng  
 RT: 19.54 min Scan# 2868  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 17.1  | 15.1  | 22.7  |
| 203     | 18.7  | 14.2  | 21.4  |

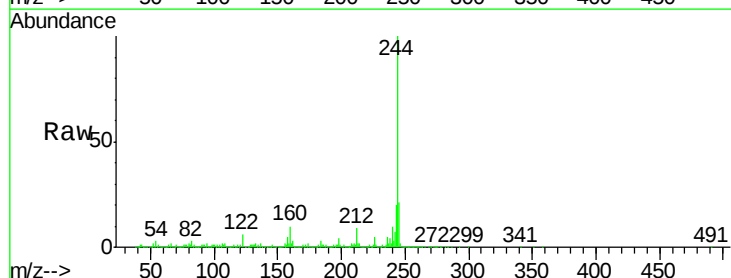


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 200.00 (199.70 to 200.70): E  
 Ion 203.00 (202.70 to 203.70): E

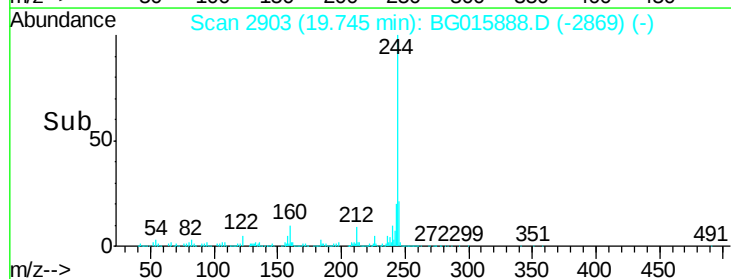
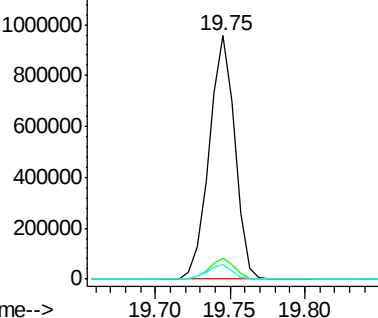


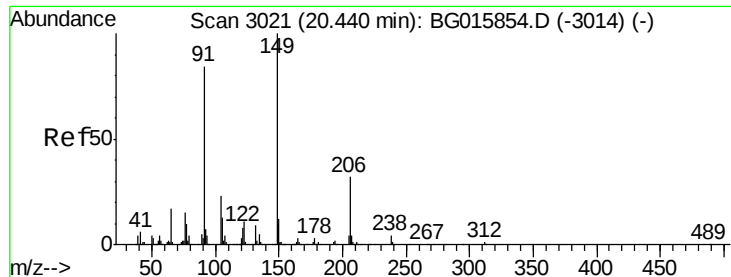
#78  
 Terphenyl-d14  
 Concen: 42.40 ng  
 RT: 19.75 min Scan# 2903  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.6   | 6.6   | 9.8   |
| 122     | 5.7   | 4.7   | 7.1   |



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

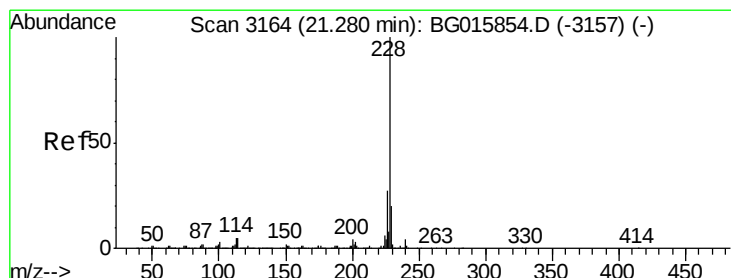
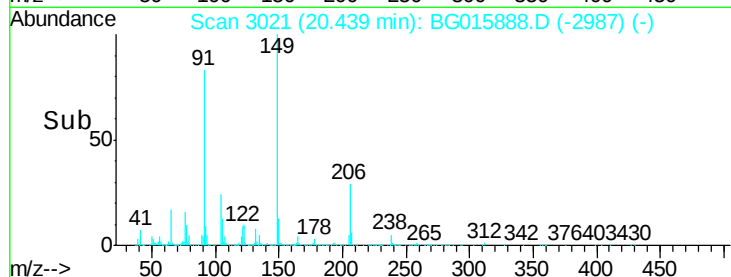
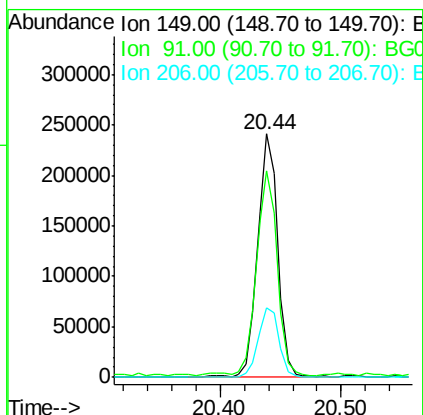
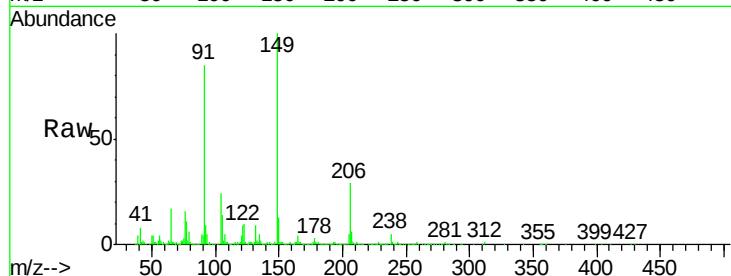




#79  
Butylbenzylphthalate  
Concen: 45.81 ng  
RT: 20.44 min Scan# 3021  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

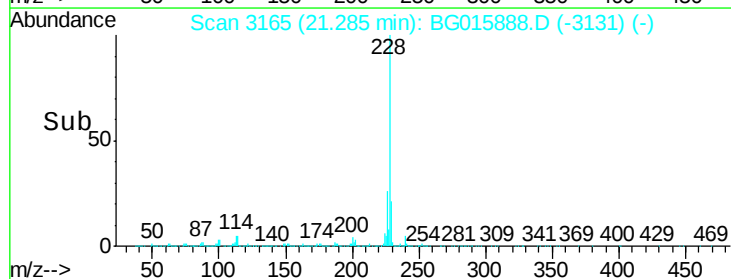
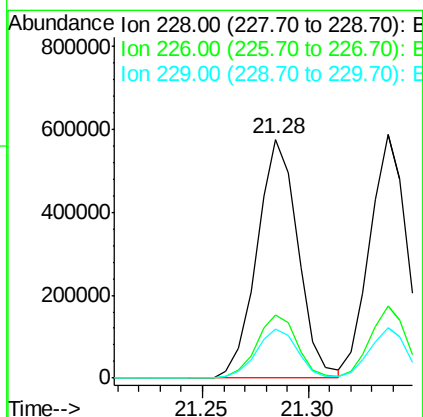
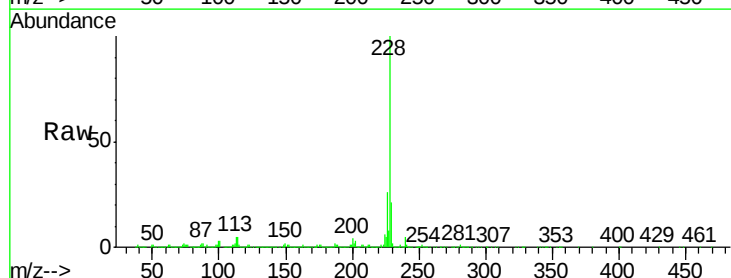
Instrument :  
BNA\_G  
ClientSampleId :

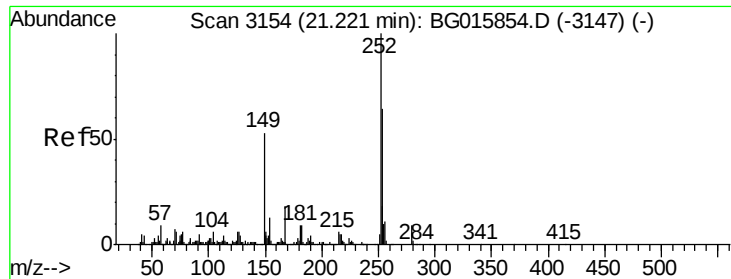
Tgt Ion:149 Resp: 276916  
Ion Ratio Lower Upper  
149 100  
91 84.8 68.4 102.6  
206 28.8 24.9 37.3



#80  
Benzo(a)anthracene  
Concen: 43.34 ng  
RT: 21.28 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:228 Resp: 776585  
Ion Ratio Lower Upper  
228 100  
226 26.4 21.4 32.2  
229 20.8 16.8 25.2

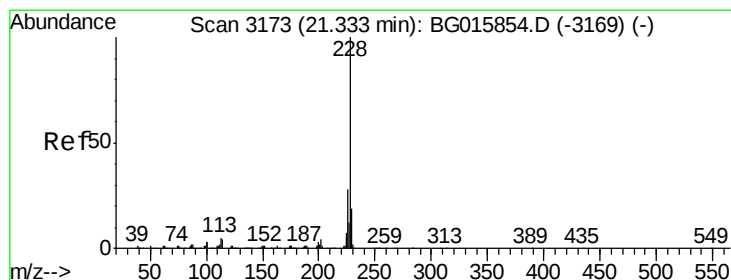
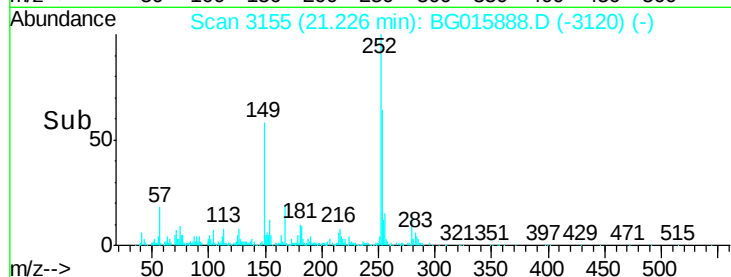
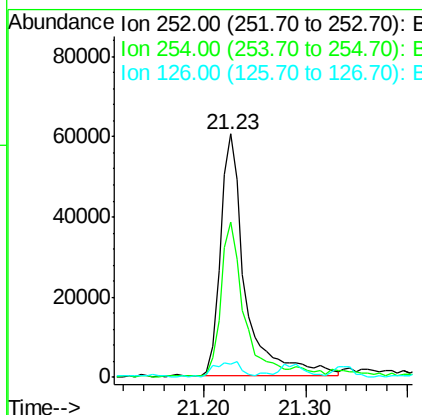
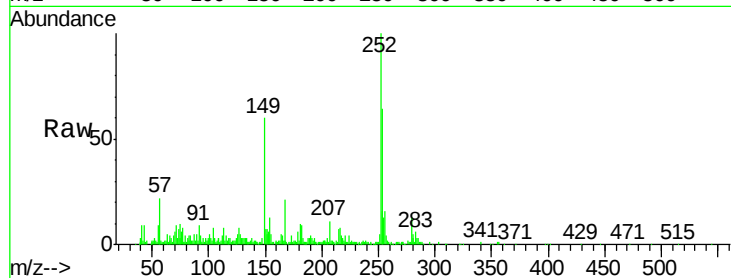




#81  
 3,3'-Dichlorobenzidine  
 Concen: 15.35 ng  
 RT: 21.23 min Scan# 3155  
 Delta R.T. 0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

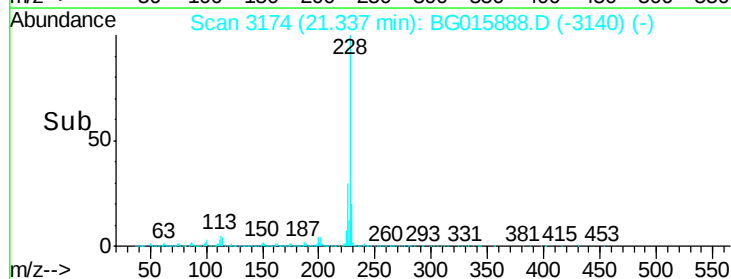
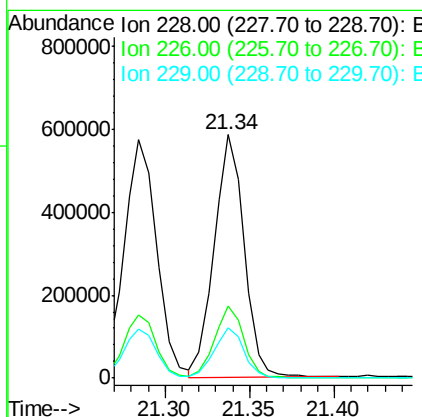
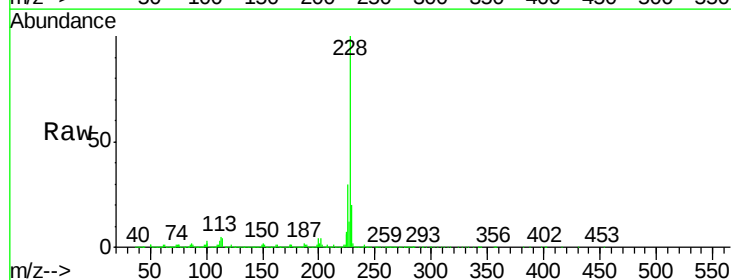
Instrument :  
 BNA\_G  
 ClientSampleId :

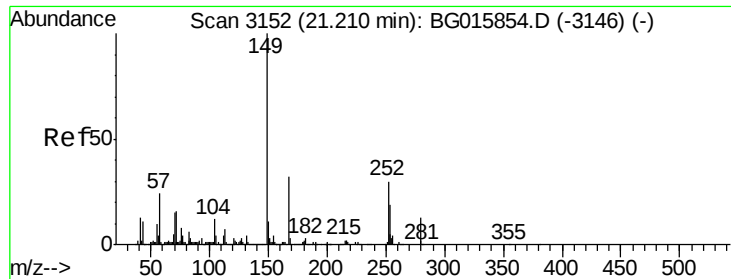
Tgt Ion:252 Resp: 100941  
 Ion Ratio Lower Upper  
 252 100  
 254 63.6 54.0 81.0  
 126 5.4 5.8 8.8#



#82  
 Chrysene  
 Concen: 43.94 ng  
 RT: 21.34 min Scan# 3174  
 Delta R.T. 0.00 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Tgt Ion:228 Resp: 723653  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 22.5 33.7  
 229 20.4 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.33 ng

RT: 21.21 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

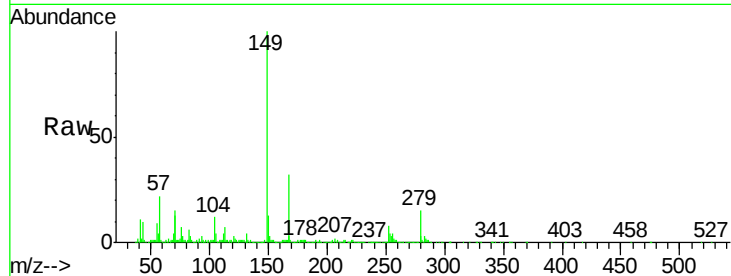
Tgt Ion:149 Resp: 389596

Ion Ratio Lower Upper

149 100

167 32.4 26.2 39.2

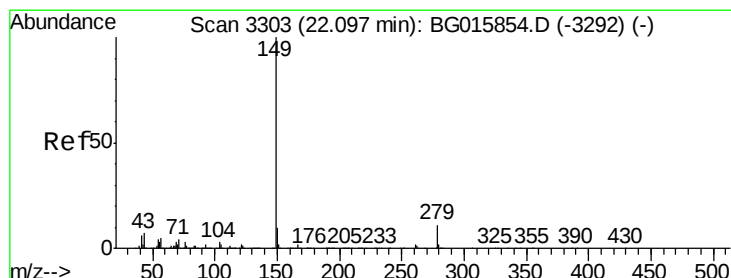
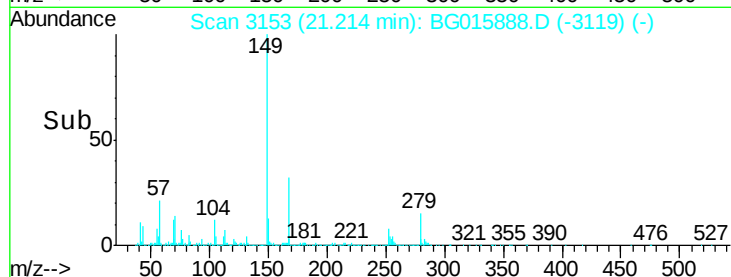
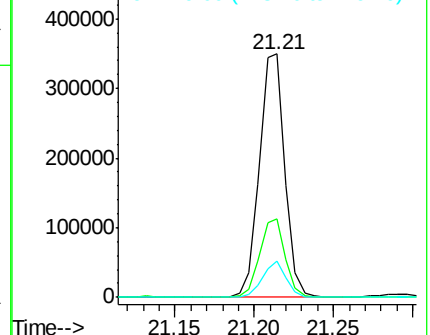
279 14.8 10.5 15.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.39 ng

RT: 22.10 min Scan# 3303

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

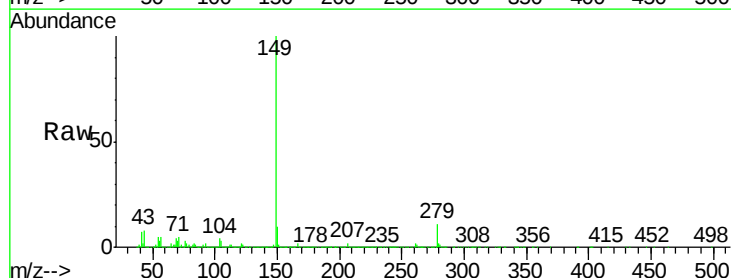
Tgt Ion:149 Resp: 649541

Ion Ratio Lower Upper

149 100

167 1.9 1.6 2.4

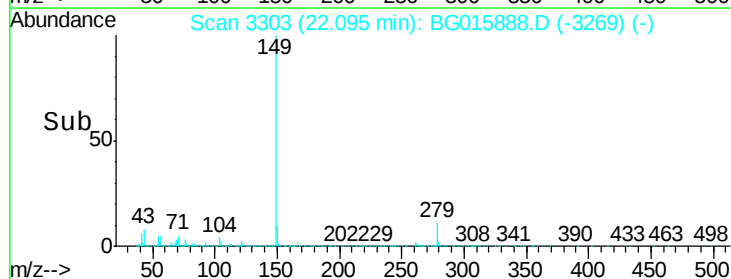
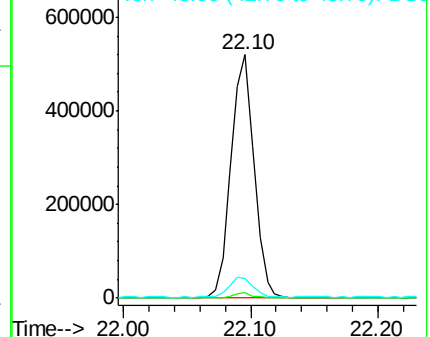
43 9.1 5.9 8.9#

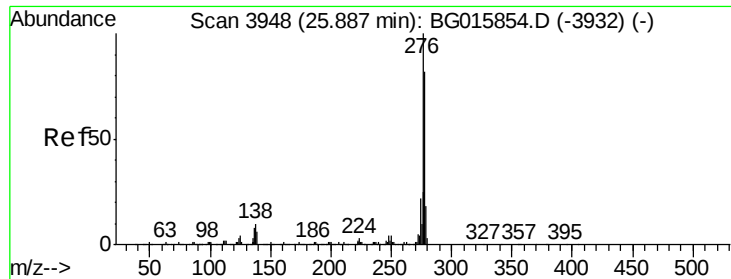


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGO





#85

Indeno(1,2,3-cd)pyrene

Concen: 27.32 ng

RT: 25.88 min Scan# 3947

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

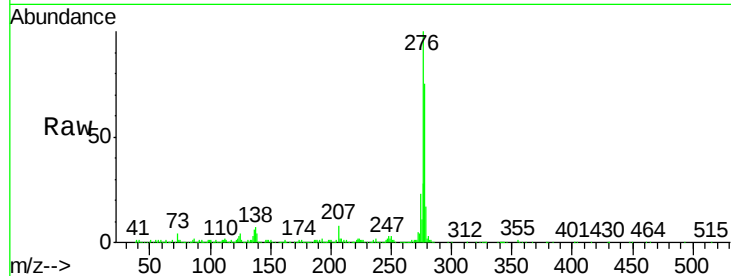
Tgt Ion:276 Resp: 531687

Ion Ratio Lower Upper

276 100

138 8.4 7.8 11.6

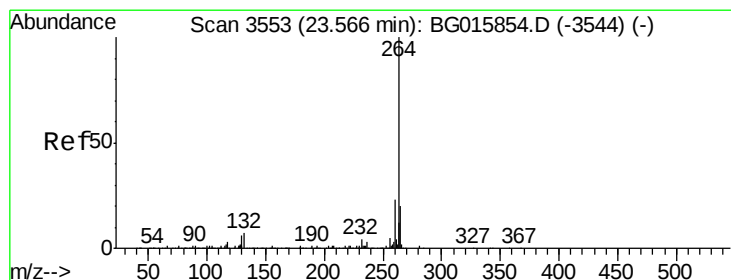
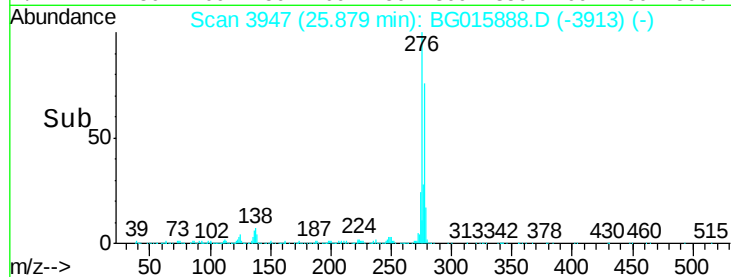
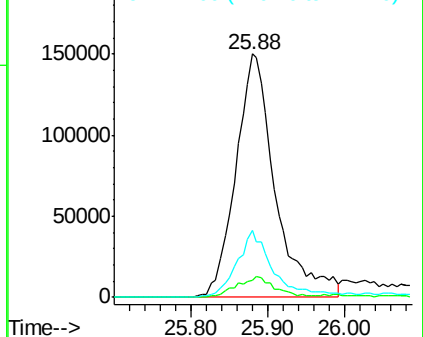
277 25.5 20.6 31.0



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

Perylene-d12

Concen: 20.00 ng

RT: 23.57 min Scan# 3554

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

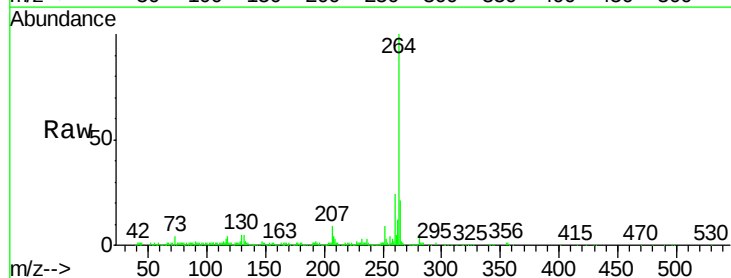
Tgt Ion:264 Resp: 237481

Ion Ratio Lower Upper

264 100

260 24.0 17.0 25.4

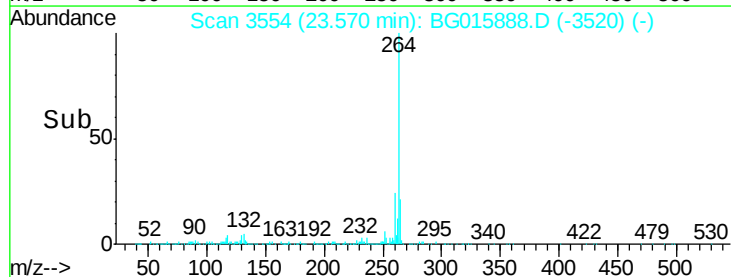
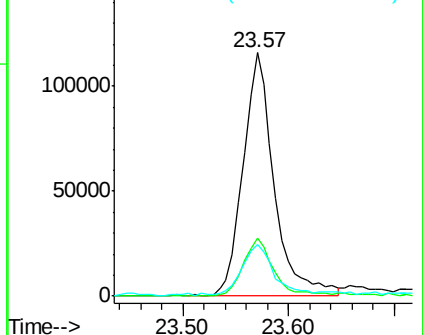
265 21.2 17.4 26.0

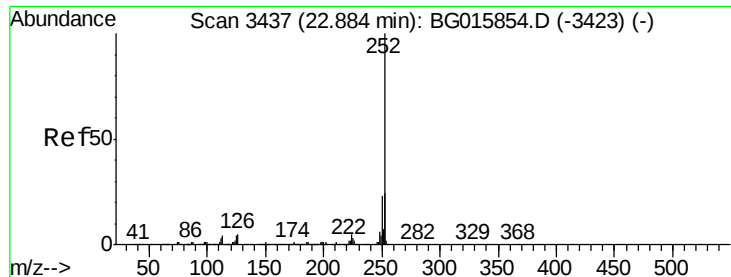


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

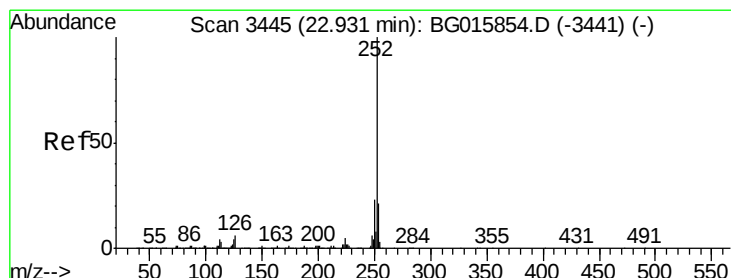
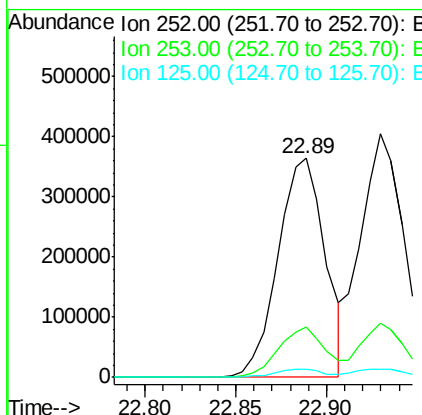
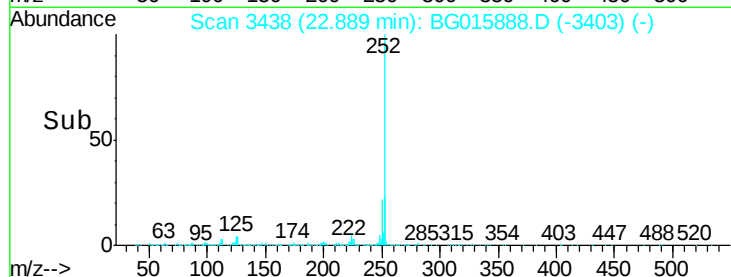
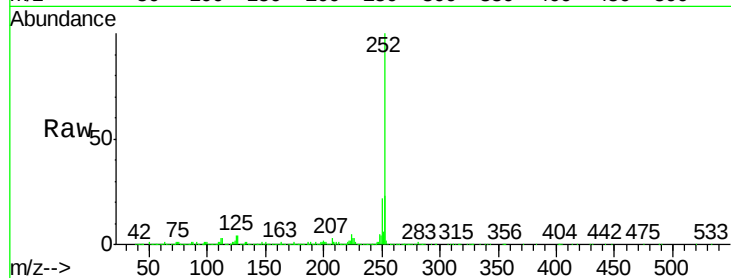




#87  
Benzo(b)fluoranthene  
Concen: 44.54 ng  
RT: 22.89 min Scan# 3438  
Delta R.T. 0.01 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

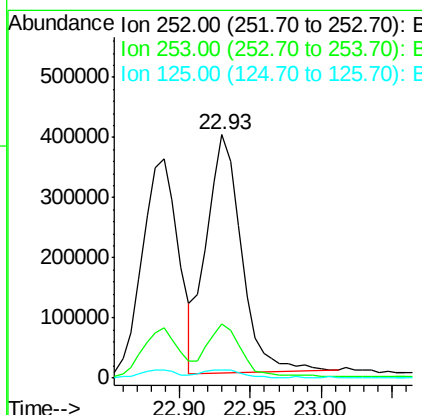
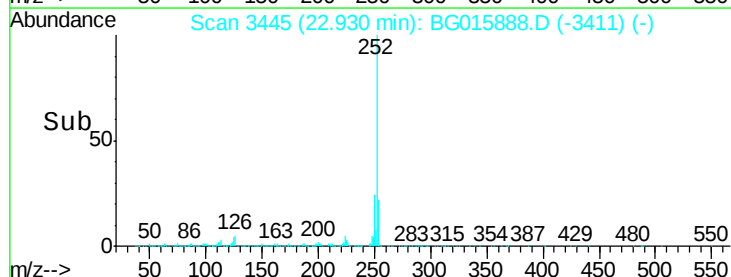
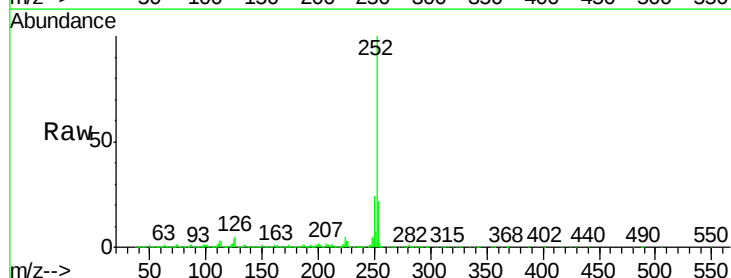
Instrument :  
BNA\_G  
ClientSampleId :

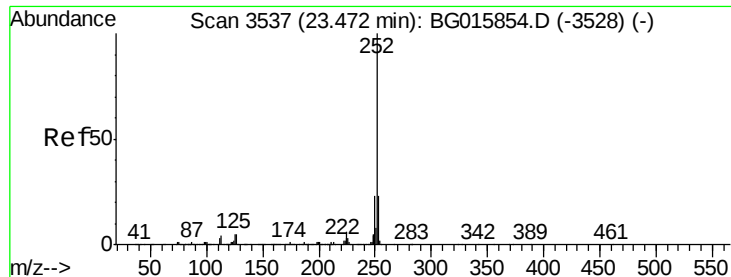
Tgt Ion:252 Resp: 660438  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.8  
125 3.7 3.6 5.4



#88  
Benzo(k)fluoranthene  
Concen: 48.05 ng  
RT: 22.93 min Scan# 3445  
Delta R.T. 0.00 min  
Lab File: BG015888.D  
Acq: 10 Jan 2015 4:24

Tgt Ion:252 Resp: 685771  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.2 27.2  
125 3.6 3.0 4.6





#89

Benzo(a)pyrene

Concen: 48.61 ng

RT: 23.47 min Scan# 3537

Delta R.T. 0.00 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

Instrument :

BNA\_G

ClientSampleId :

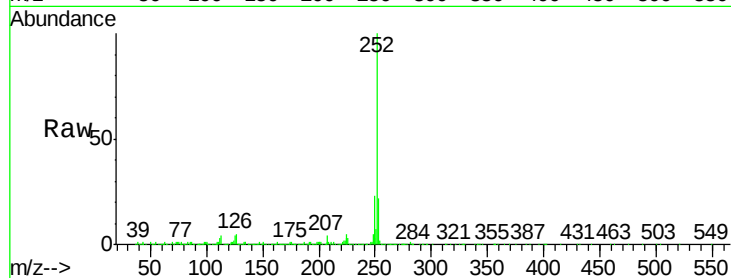
Tgt Ion:252 Resp: 649211

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

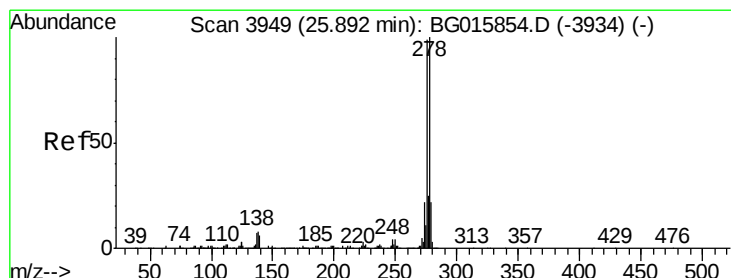
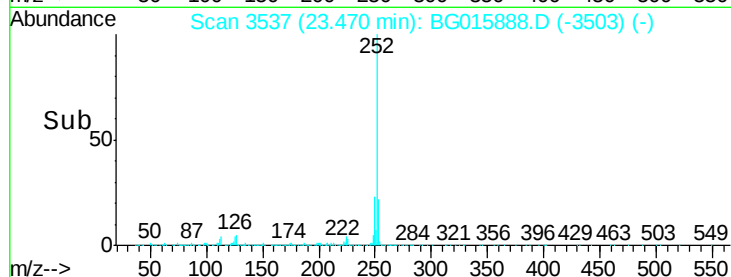
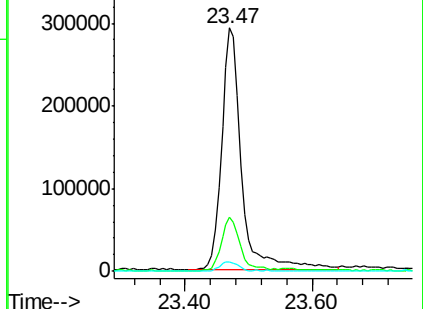
125 3.7 3.7 5.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 34.62 ng

RT: 25.90 min Scan# 3950

Delta R.T. 0.01 min

Lab File: BG015888.D

Acq: 10 Jan 2015 4:24

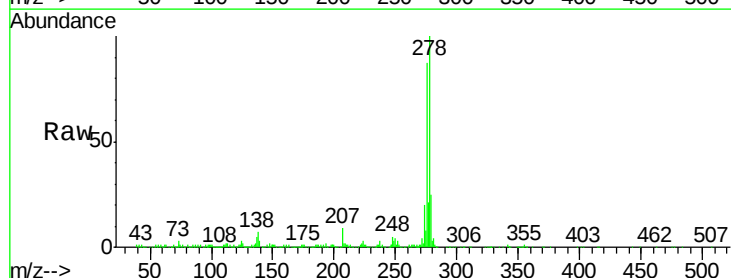
Tgt Ion:278 Resp: 454450

Ion Ratio Lower Upper

278 100

139 3.4 4.9 7.3#

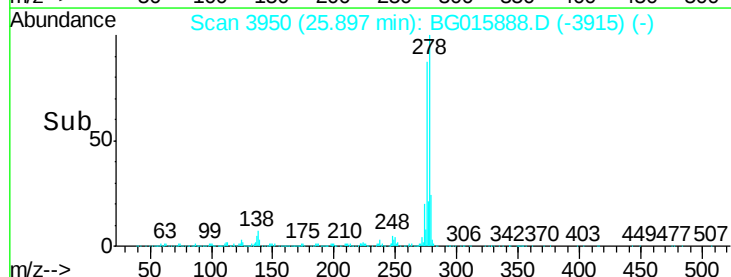
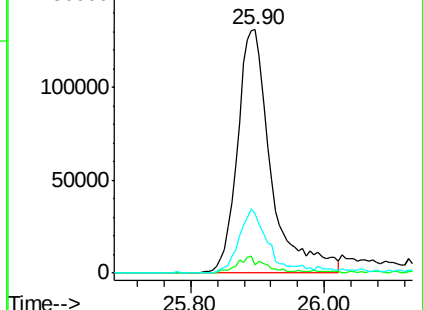
279 24.5 19.1 28.7

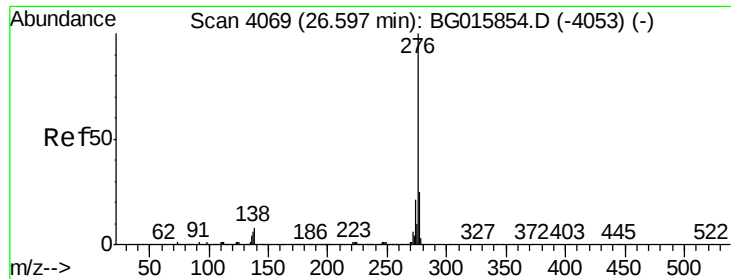


Abundance Ion 278.00 (277.70 to 278.70): E

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: 32.01 ng  
 RT: 26.58 min Scan# 4067  
 Delta R.T. -0.01 min  
 Lab File: BG015888.D  
 Acq: 10 Jan 2015 4:24

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 20.3  | 18.2  | 27.2  |
| 138     | 10.7  | 6.4   | 9.6   |

