

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062917\  
 Data File : BG027754.D  
 Acq On : 29 Jun 2017 23:49  
 Operator : SJ/JU  
 Sample : I3928-01MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 30 04:41:03 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.48  | 152  | 34636    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.29 | 136  | 170482   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.06 | 164  | 108253   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.81 | 188  | 259172   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.17 | 240  | 282088   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.79 | 264  | 261467   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.06  | 112 | 327018  | 145.39 | ng | 0.00 |
| 7) Phenol-d6             | 7.62  | 99  | 482731  | 140.49 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.64  | 82  | 283741  | 92.77  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 250167  | 168.48 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.69 | 172 | 695248  | 91.72  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.39 | 244 | 1220674 | 101.45 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 4.05  | 88  | 27926  | 33.35  | ng | 89     |
| 3) Pyridine                    | 4.43  | 79  | 82102  | 31.84  | ng | 93     |
| 4) n-Nitrosodimethylamine      | 4.34  | 42  | 50174  | 39.68  | ng | # 76   |
| 6) Aniline                     | 7.80  | 93  | 155720 | 39.10  | ng | 98     |
| 8) 2-Chlorophenol              | 8.04  | 128 | 116216 | 46.24  | ng | 92     |
| 9) Benzaldehyde                | 7.62  | 77  | 55076  | 26.94  | ng | 88     |
| 10) Phenol                     | 7.65  | 94  | 166297 | 48.92  | ng | 82     |
| 11) bis(2-Chloroethyl)ether    | 7.88  | 93  | 103496 | 40.08  | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.37  | 146 | 107139 | 40.08  | ng | # 90   |
| 13) 1,4-Dichlorobenzene        | 8.51  | 146 | 110945 | 40.05  | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.84  | 146 | 111715 | 41.59  | ng | 94     |
| 15) Benzyl Alcohol             | 8.71  | 79  | 104810 | 44.09  | ng | # 84   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99  | 45  | 229183 | 41.61  | ng | 97     |
| 17) 2-Methylphenol             | 8.89  | 107 | 109862 | 45.68  | ng | # 86   |
| 18) Hexachloroethane           | 9.56  | 117 | 37467  | 38.45  | ng | # 79   |
| 19) n-Nitroso-di-n-propylamine | 9.26  | 70  | 97465  | 38.99  | ng | 95     |
| 20) 3+4-Methylphenols          | 9.22  | 107 | 152169 | 43.87  | ng | 89     |
| 22) Acetophenone               | 9.29  | 105 | 174492 | 42.42  | ng | # 89   |
| 24) Nitrobenzene               | 9.69  | 77  | 137664 | 43.05  | ng | # 82   |
| 25) Isophorone                 | 10.20 | 82  | 277158 | 41.57  | ng | # 95   |
| 26) 2-Nitrophenol              | 10.40 | 139 | 66339  | 45.93  | ng | # 79   |
| 27) 2,4-Dimethylphenol         | 10.43 | 122 | 136787 | 50.56  | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.67 | 93  | 155307 | 41.09  | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.93 | 162 | 117800 | 49.69  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.15 | 180 | 106702 | 44.13  | ng | 99     |
| 31) Naphthalene                | 11.34 | 128 | 386998 | 42.69  | ng | 99     |
| 32) Benzoic acid               | 10.51 | 122 | 6369   | 12.00  | ng | # 72   |
| 33) 4-Chloroaniline            | 11.44 | 127 | 89706  | 22.90  | ng | # 90   |
| 34) Hexachlorobutadiene        | 11.61 | 225 | 58349  | 43.31  | ng | 99     |
| 35) Caprolactam                | 12.21 | 113 | 26610  | 22.32  | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.53 | 107 | 154629 | 46.35  | ng | # 83   |
| 37) 2-Methylnaphthalene        | 12.91 | 142 | 336629 | 49.85  | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.27 | 216 | 124074 | 43.62  | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 13.25 | 237 | 141371 | 105.41 | ng | 97     |

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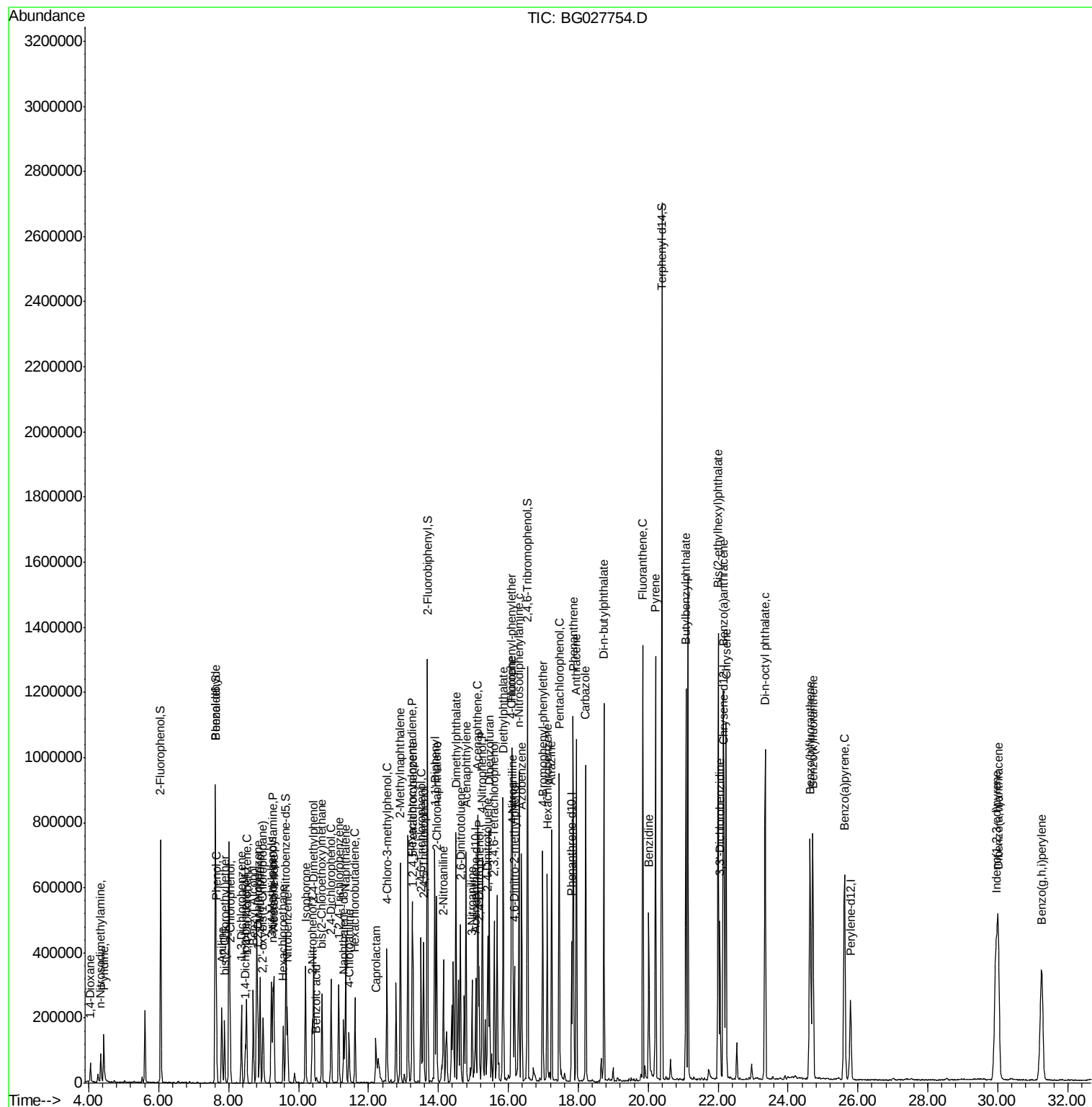
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.50 | 196  | 98474    | 47.93  | nq    | 94       |
| 43) 2,4,5-Trichlorophenol      | 13.58 | 196  | 109688   | 47.12  | nq    | # 96     |
| 45) 1,1'-Biphenyl              | 13.90 | 154  | 390408   | 44.99  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.95 | 162  | 283227   | 43.21  | nq    | 98       |
| 47) 2-Nitroaniline             | 14.15 | 65   | 120748   | 46.02  | nq    | # 86     |
| 48) Acenaphthylene             | 14.79 | 152  | 492965   | 41.16  | nq    | 98       |
| 49) Dimethylphthalate          | 14.50 | 163  | 511415   | 55.38  | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.63 | 165  | 91149    | 45.40  | nq    | # 81     |
| 51) Acenaphthene               | 15.13 | 154  | 314690   | 40.99  | nq    | 97       |
| 52) 3-Nitroaniline             | 14.96 | 138  | 86246    | 36.52  | nq    | 85       |
| 53) 2,4-Dinitrophenol          | 15.16 | 184  | 80198    | 73.57  | nq    | 92       |
| 54) Dibenzofuran               | 15.46 | 168  | 473372   | 46.64  | nq    | 97       |
| 55) 4-Nitrophenol              | 15.26 | 139  | 185980   | 103.16 | nq    | # 58     |
| 56) 2,4-Dinitrotoluene         | 15.41 | 165  | 137949   | 49.27  | nq    | # 90     |
| 57) Fluorene                   | 16.11 | 166  | 420006   | 42.68  | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.60 | 232  | 100442   | 50.05  | nq    | 95       |
| 59) Diethylphthalate           | 15.85 | 149  | 468037   | 45.77  | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.09 | 204  | 189777   | 43.56  | nq    | 93       |
| 61) 4-Nitroaniline             | 16.13 | 138  | 118898   | 48.32  | nq    | # 67     |
| 62) Azobenzene                 | 16.38 | 77   | 416656   | 46.37  | nq    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 16.18 | 198  | 76760    | 47.54  | nq    | 86       |
| 65) n-Nitrosodiphenylamine     | 16.30 | 169  | 385767   | 45.76  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.98 | 248  | 127167   | 46.91  | nq    | 91       |
| 67) Hexachlorobenzene          | 17.11 | 284  | 132729   | 46.24  | nq    | 97       |
| 68) Atrazine                   | 17.24 | 200  | 135236   | 50.81  | nq    | 97       |
| 69) Pentachlorophenol          | 17.46 | 266  | 173662   | 93.61  | nq    | 97       |
| 70) Phenanthrene               | 17.85 | 178  | 698953   | 46.72  | nq    | 95       |
| 71) Anthracene                 | 17.95 | 178  | 696250   | 46.08  | nq    | 98       |
| 72) Carbazole                  | 18.21 | 167  | 659461   | 44.32  | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.74 | 149  | 823253   | 50.35  | nq    | # 93     |
| 74) Fluoranthene               | 19.85 | 202  | 794566   | 48.59  | nq    | 93       |
| 76) Benzidine                  | 20.02 | 184  | 335757   | 49.87  | nq    | 96       |
| 77) Pyrene                     | 20.21 | 202  | 813291   | 45.94  | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.08 | 149  | 395410   | 49.59  | nq    | # 89     |
| 80) Benzo(a)anthracene         | 22.16 | 228  | 801052   | 46.97  | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 22.05 | 252  | 193000   | 31.18  | nq    | # 98     |
| 82) Chrysene                   | 22.23 | 228  | 741215   | 46.37  | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 22.00 | 149  | 570648   | 48.98  | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 23.35 | 149  | 969464   | 50.36  | nq    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.95 | 276  | 915169   | 50.09  | nq    | # 88     |
| 87) Benzo(b)fluoranthene       | 24.63 | 252  | 812050   | 48.21  | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.71 | 252  | 769276   | 46.20  | nq    | # 92     |
| 89) Benzo(a)pyrene             | 25.62 | 252  | 760719   | 48.13  | nq    | # 92     |
| 90) Dibenzo(a,h)anthracene     | 30.01 | 278  | 778556   | 48.62  | nq    | # 94     |
| 91) Benzo(g,h,i)perylene       | 31.26 | 276  | 735477   | 47.79  | nq    | # 89     |
| -----                          |       |      |          |        |       |          |

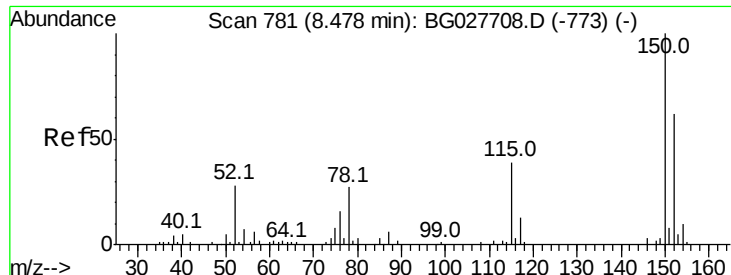
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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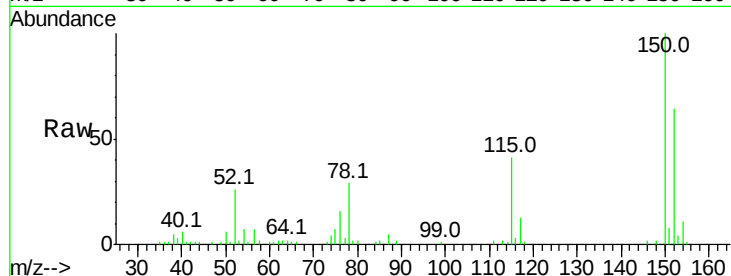


#1

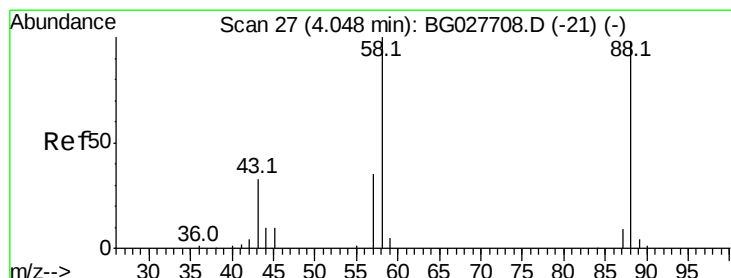
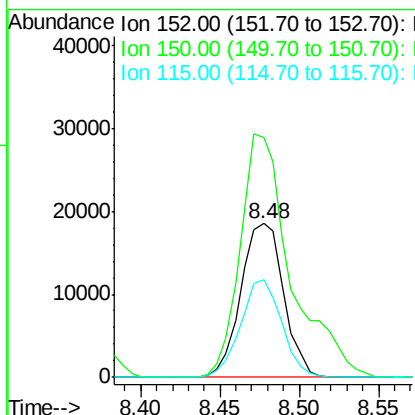
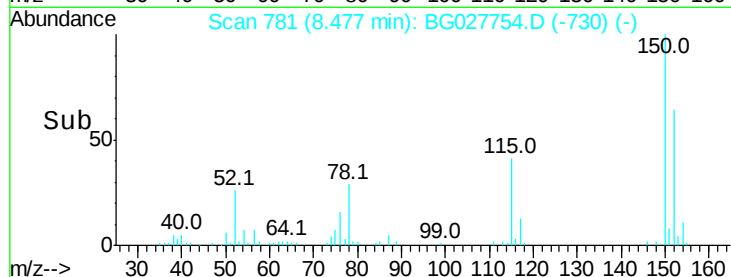
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.48 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 34636  
Ion Ratio Lower Upper  
152 100  
150 156.1 114.0 171.0  
115 63.6 48.1 72.1



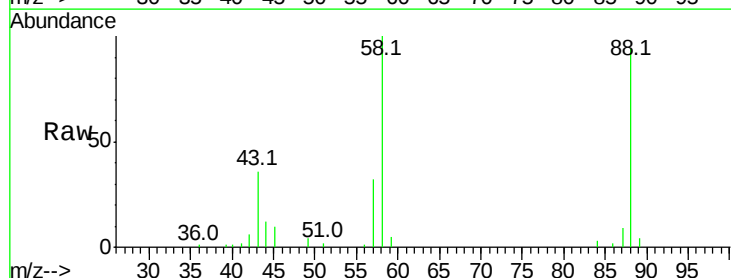
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



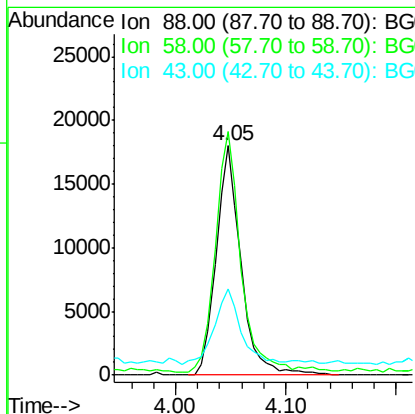
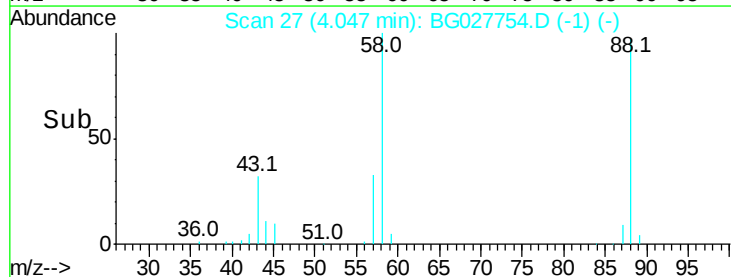
#2

1,4-Dioxane  
Concen: 33.35 ng  
RT: 4.05 min Scan# 27  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion: 88 Resp: 27926  
Ion Ratio Lower Upper  
88 100  
58 109.4 79.4 119.2  
43 34.6 33.8 50.6



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





#3

Pvridine

Concen: 31.84 ng

RT: 4.43 min Scan# 92

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

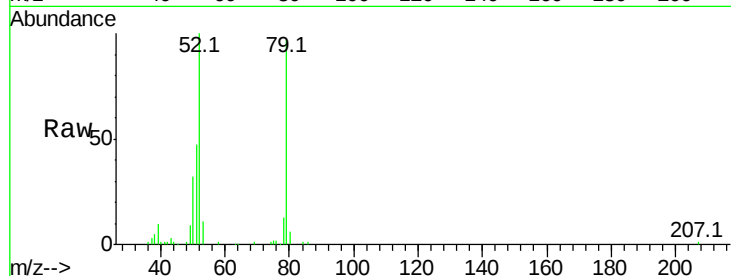
Tot Ion: 79 Resp: 82102

Ion Ratio Lower Upper

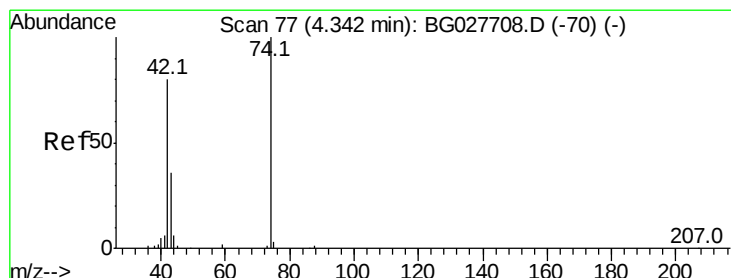
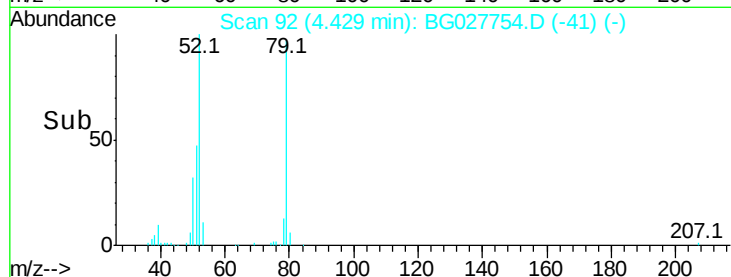
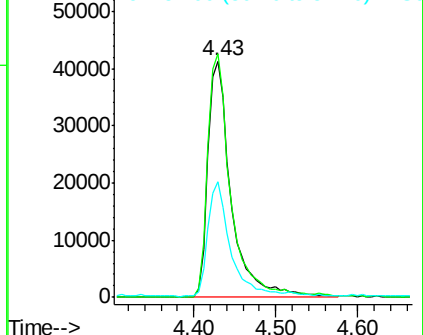
79 100

52 103.2 77.8 116.6

51 48.8 43.2 64.8



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 39.68 ng

RT: 4.34 min Scan# 77

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

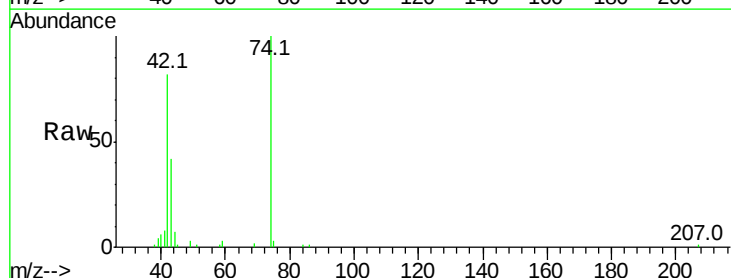
Tgt Ion: 42 Resp: 50174

Ion Ratio Lower Upper

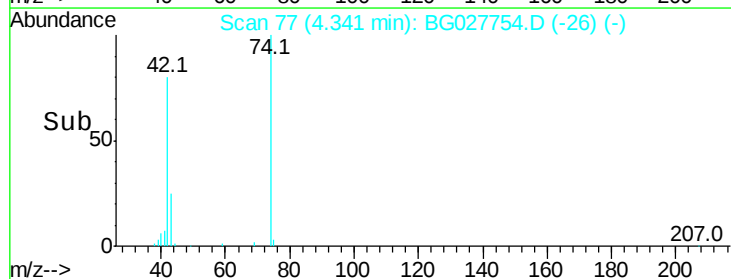
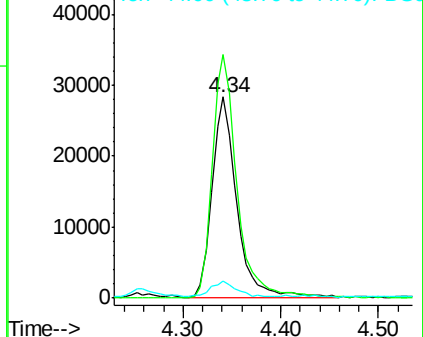
42 100

74 121.3 76.7 115.1#

44 8.4 6.1 9.1



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 145.39 ng

RT: 6.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

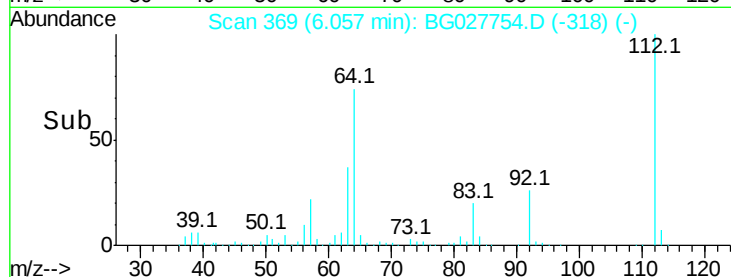
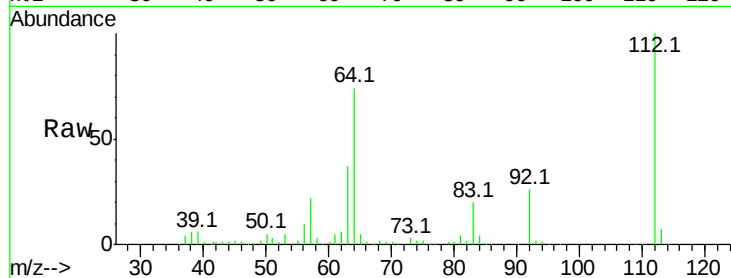
Tot Ion:112 Resp: 327018

Ion Ratio Lower Upper

112 100

64 73.9 61.8 92.6

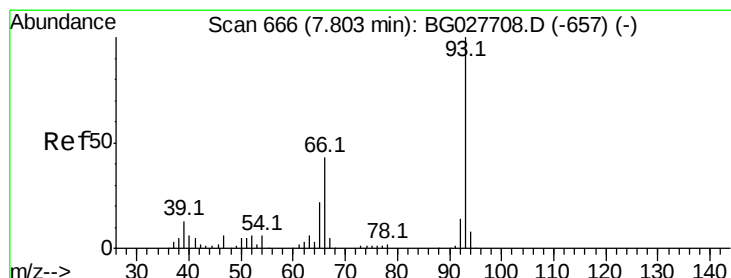
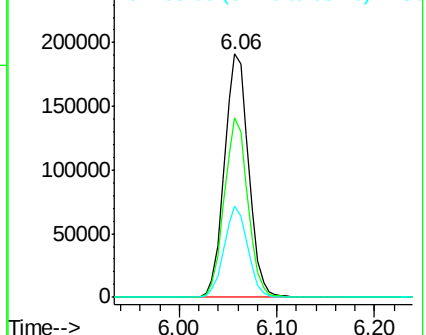
63 37.3 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.10 ng

RT: 7.80 min Scan# 666

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

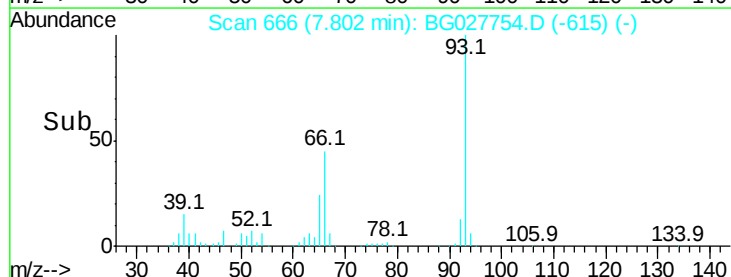
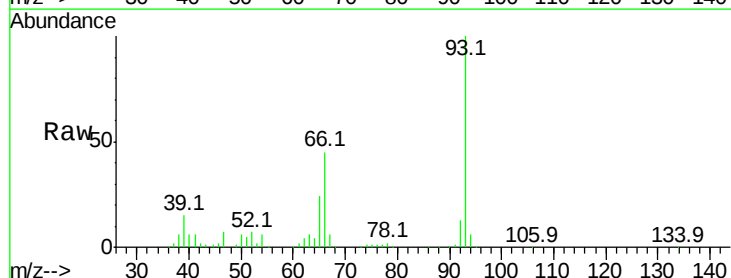
Tgt Ion: 93 Resp: 155720

Ion Ratio Lower Upper

93 100

66 44.7 35.4 53.2

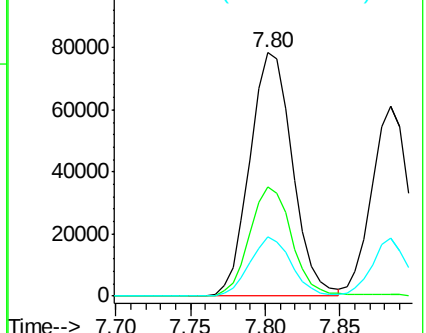
65 24.5 21.2 31.8

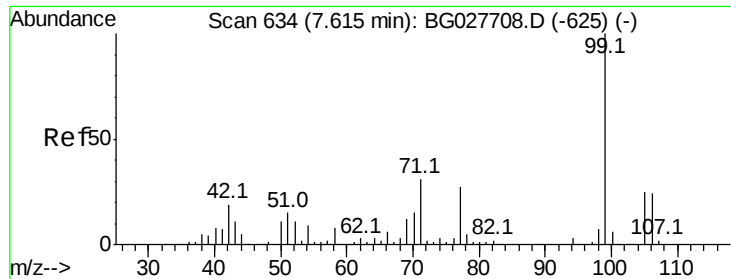


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 140.49 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

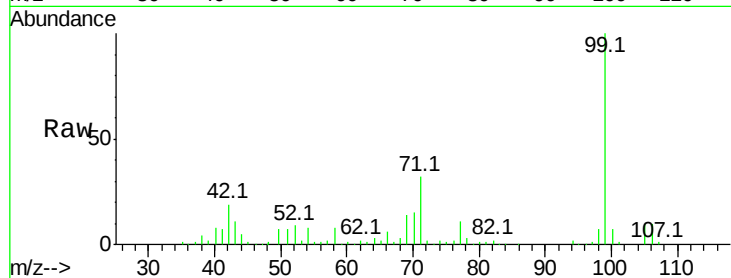
Tot Ion: 99 Resp: 482731

Ion Ratio Lower Upper

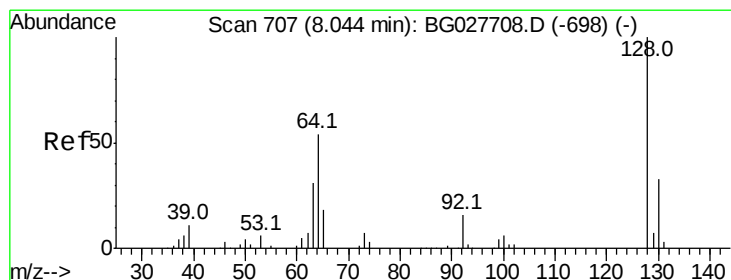
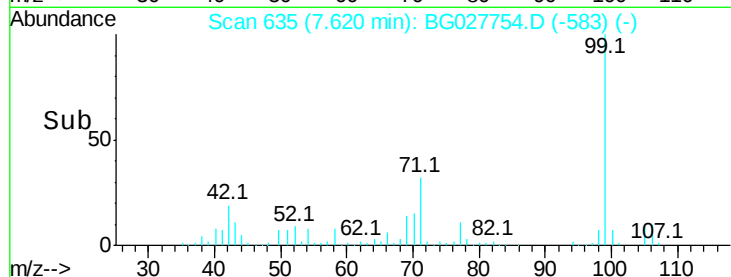
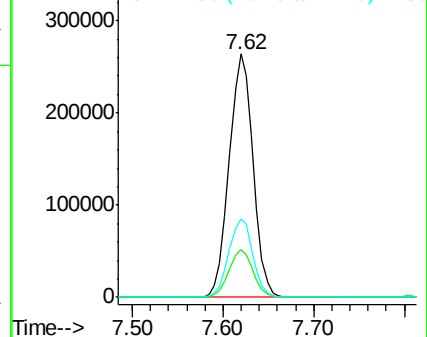
99 100

42 19.4 20.5 30.7#

71 32.1 37.6 56.4#



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



#8

2-Chlorophenol

Concen: 46.24 ng

RT: 8.04 min Scan# 707

Delta R.T. -0.00 min

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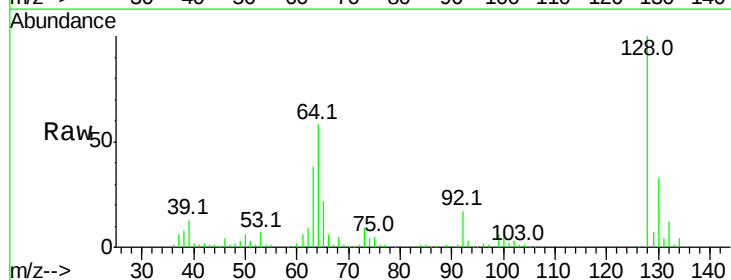
Tgt Ion: 128 Resp: 116216

Ion Ratio Lower Upper

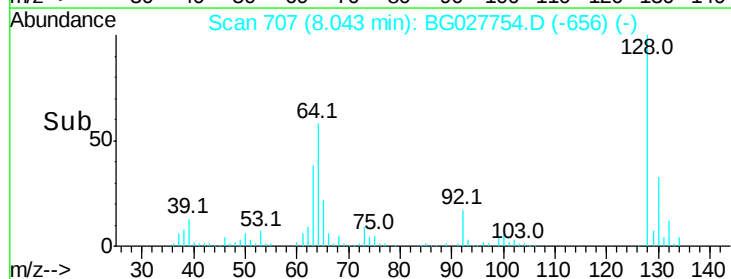
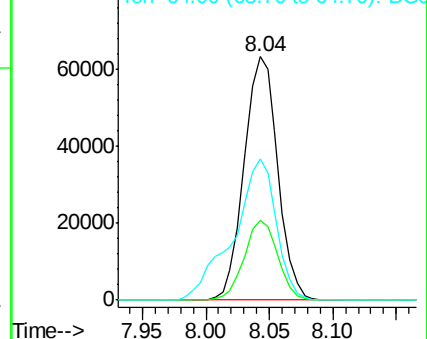
128 100

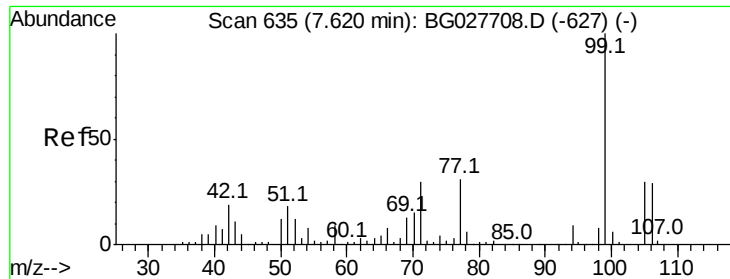
130 33.0 11.4 51.4

64 58.2 46.6 86.6



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

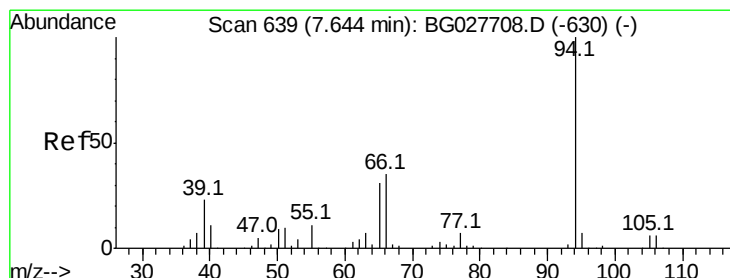
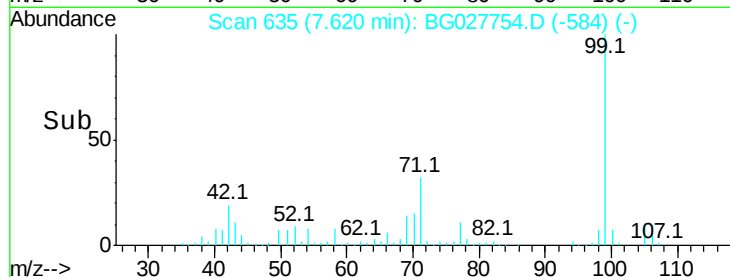
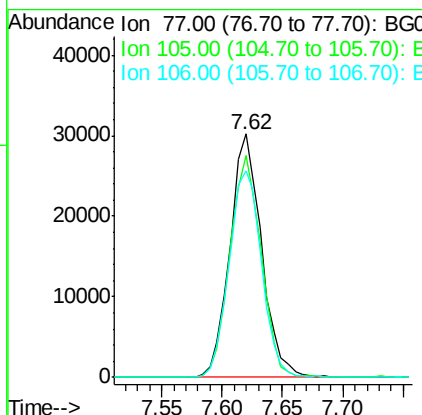
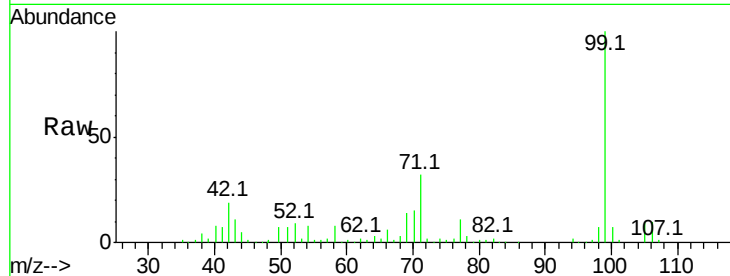




#9  
Benzaldehyde  
Concen: 26.94 ng  
RT: 7.62 min Scan# 635  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

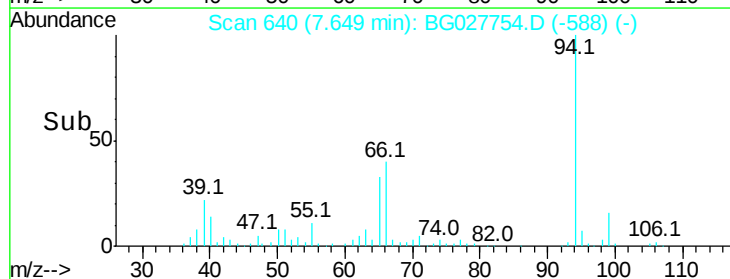
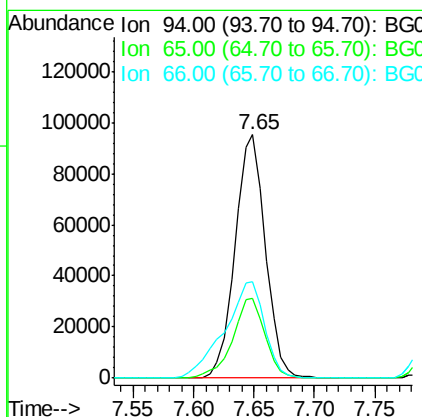
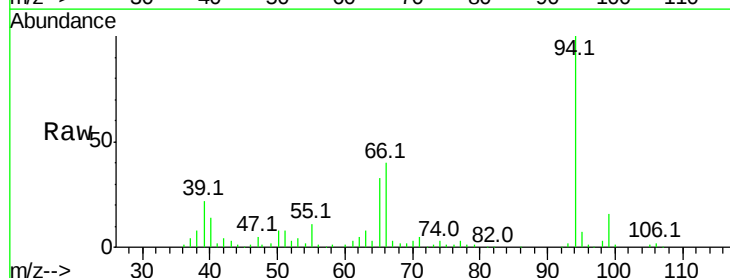
Instrument :  
BNA\_G  
ClientSampled :

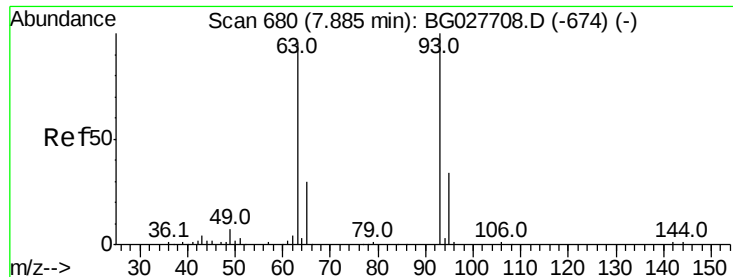
Tot Ion: 77 Resp: 55076  
Ion Ratio Lower Upper  
77 100  
105 91.2 60.9 100.9  
106 84.9 55.1 95.1



#10  
Phenol  
Concen: 48.92 ng  
RT: 7.65 min Scan# 640  
Delta R.T. 0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion: 94 Resp: 166297  
Ion Ratio Lower Upper  
94 100  
65 32.7 20.6 60.6  
66 39.5 35.5 75.5





#11

bis(2-Chloroethyl)ether

Concen: 40.08 ng

RT: 7.88 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

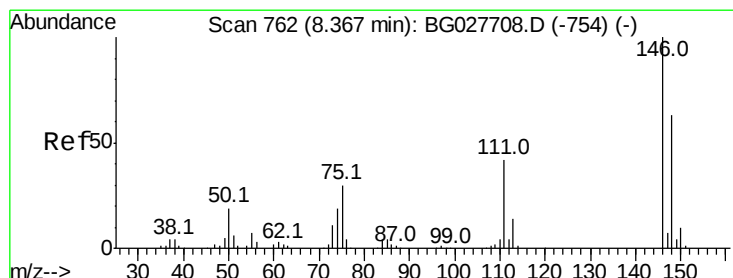
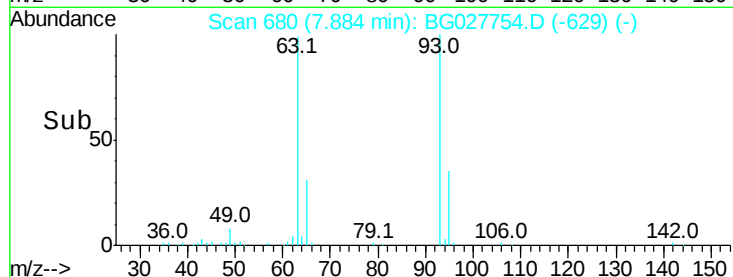
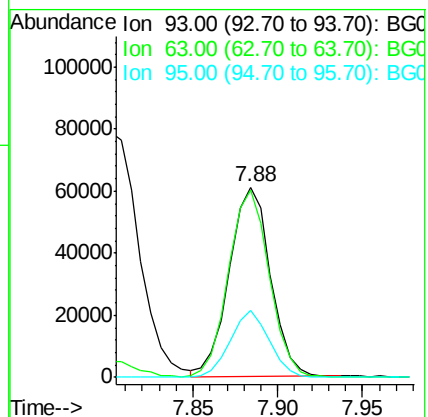
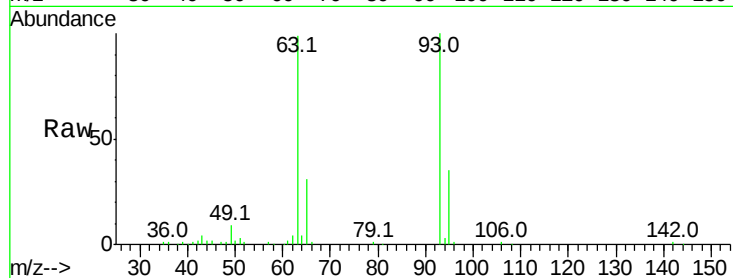
Tot Ion: 93 Resp: 103496

Ion Ratio Lower Upper

93 100

63 98.8 78.5 118.5

95 35.1 9.8 49.8



#12

1,3-Dichlorobenzene

Concen: 40.08 ng

RT: 8.37 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

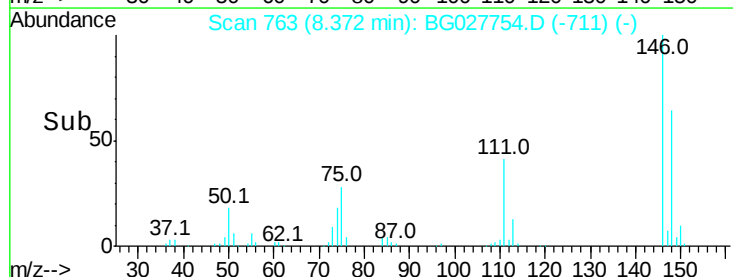
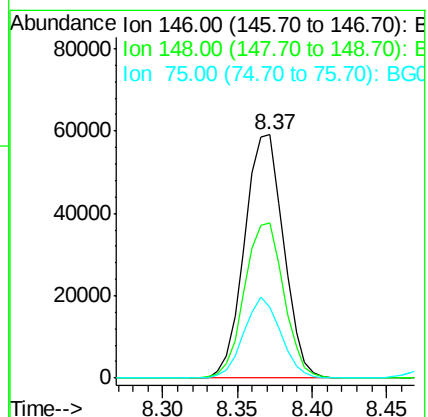
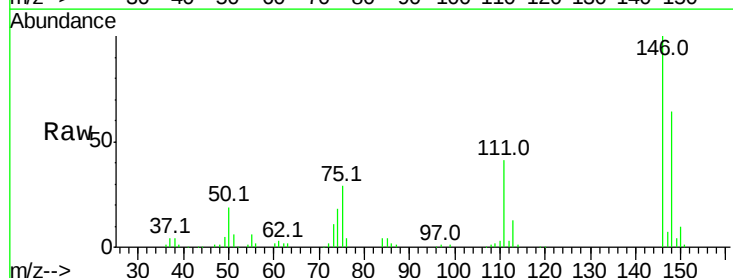
Tgt Ion:146 Resp: 107139

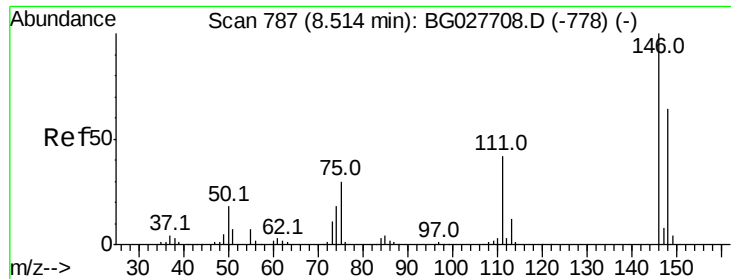
Ion Ratio Lower Upper

146 100

148 63.7 49.2 73.8

75 28.9 33.4 50.2#





#13

1,4-Dichlorobenzene

Concen: 40.05 ng

RT: 8.51 min Scan# 787

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

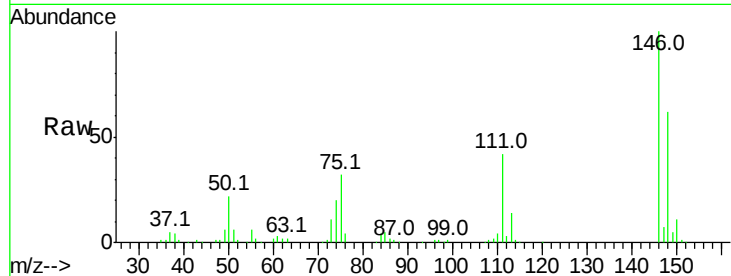
Tot Ion:146 Resp: 110945

Ion Ratio Lower Upper

146 100

148 62.0 52.2 78.2

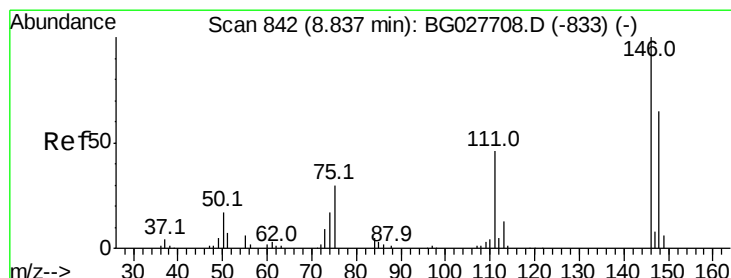
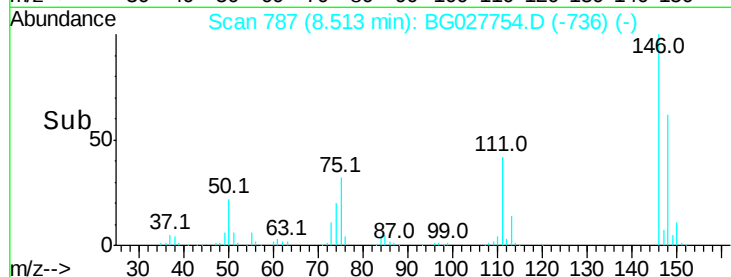
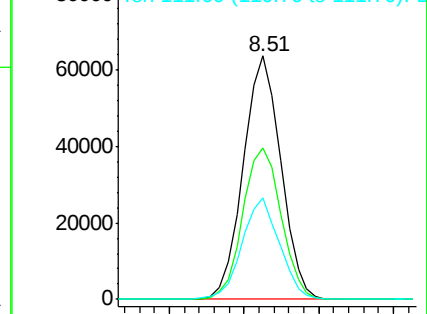
111 41.6 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.59 ng

RT: 8.84 min Scan# 842

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

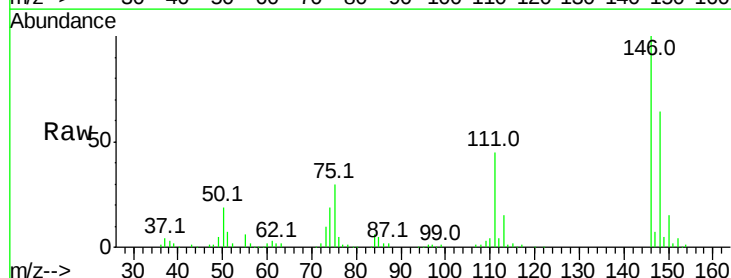
Tgt Ion:146 Resp: 111715

Ion Ratio Lower Upper

146 100

148 64.4 54.6 81.8

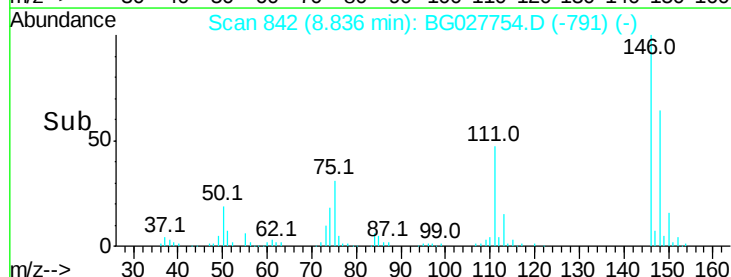
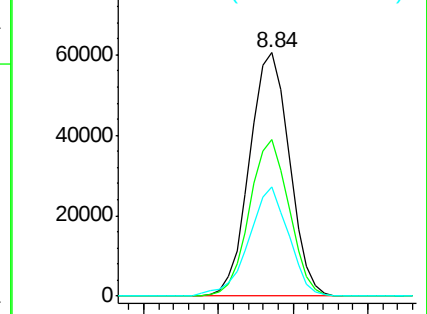
111 45.0 39.7 59.5

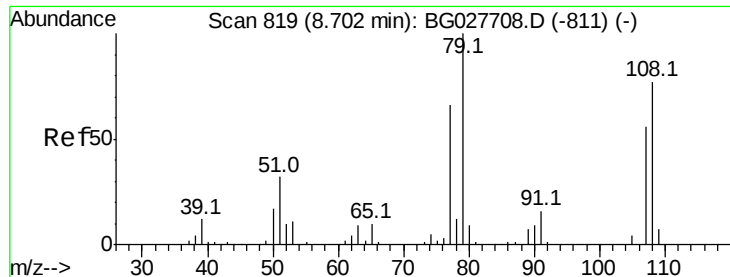


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.09 ng

RT: 8.71 min Scan# 820

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

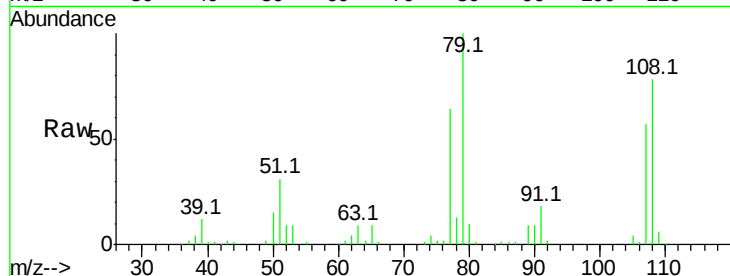
Tot Ion: 79 Resp: 104810

Ion Ratio Lower Upper

79 100

108 77.8 45.5 68.3#

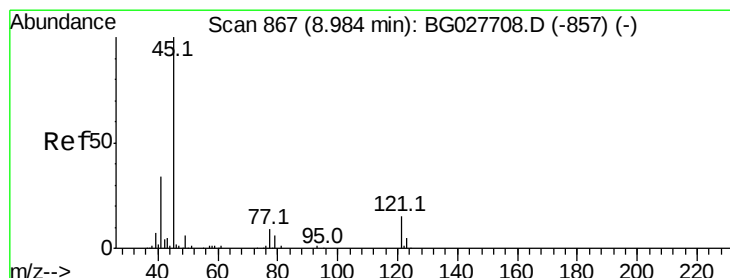
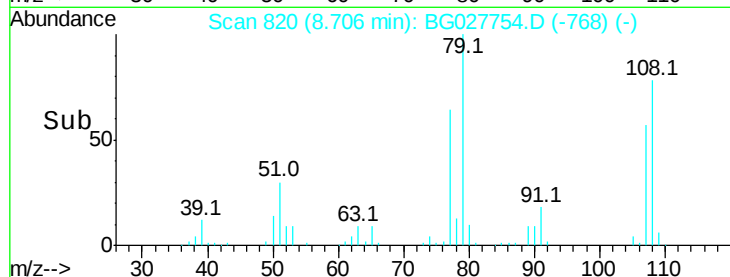
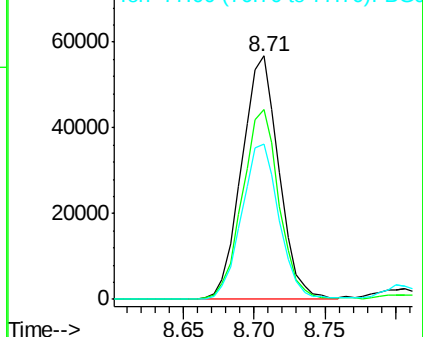
77 63.9 54.3 81.5



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.61 ng

RT: 8.99 min Scan# 868

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

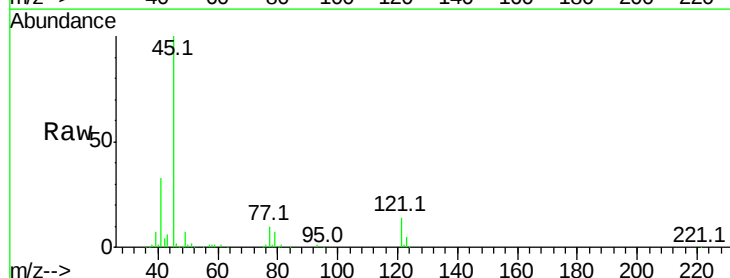
Tgt Ion: 45 Resp: 229183

Ion Ratio Lower Upper

45 100

77 9.7 0.0 30.6

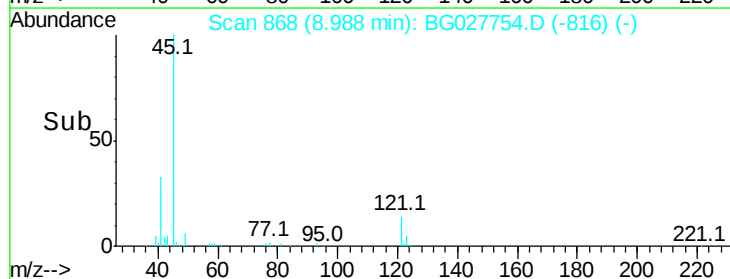
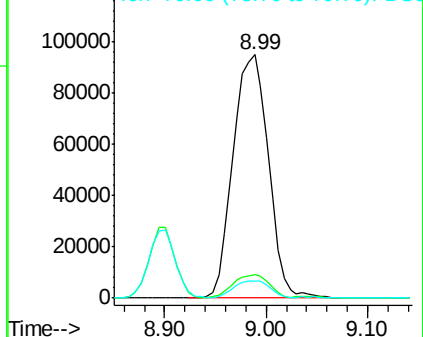
79 7.1 0.0 28.5

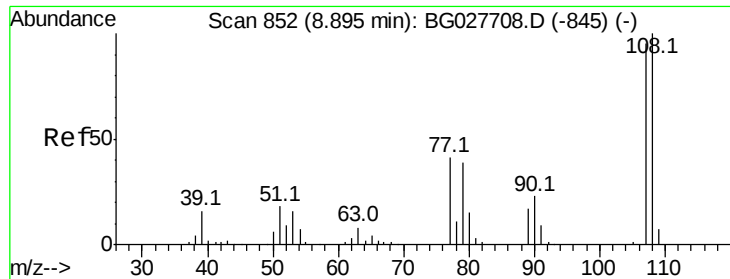


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

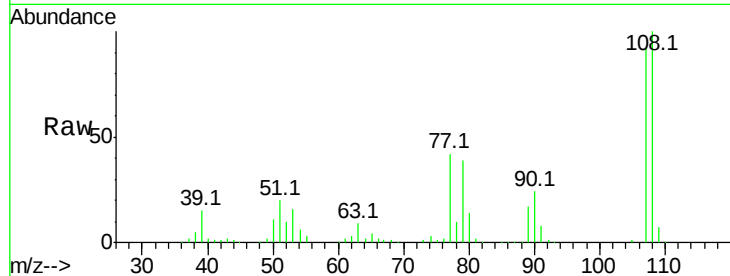




#17  
2-Methylphenol  
Concen: 45.68 ng  
RT: 8.89 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.3 | 85.6  | 128.4 |
| 77      | 45.6  | 51.4  | 77.2# |
| 79      | 42.8  | 49.2  | 73.8# |



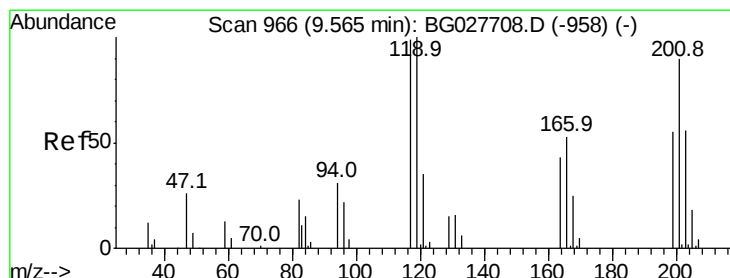
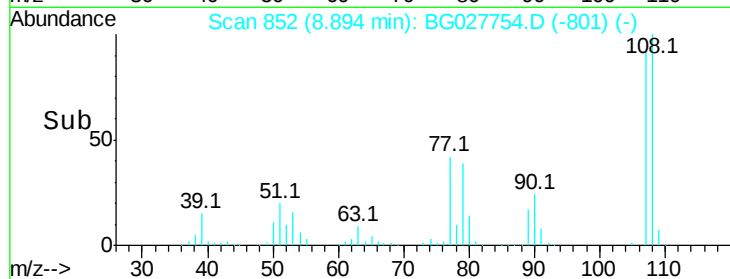
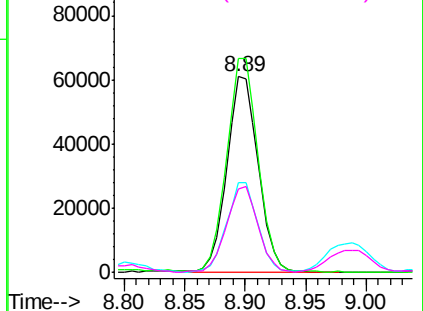
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

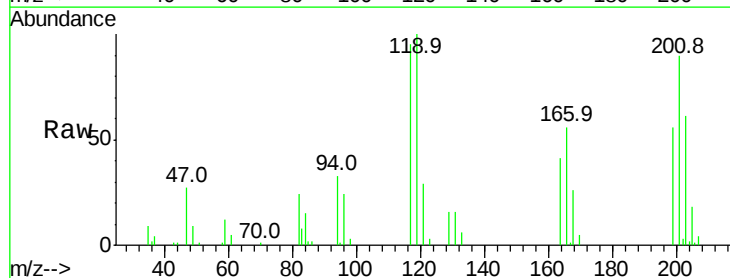
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 38.45 ng  
RT: 9.56 min Scan# 966  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 105.0 | 69.8  | 104.6# |
| 201     | 94.6  | 95.4  | 143.0# |

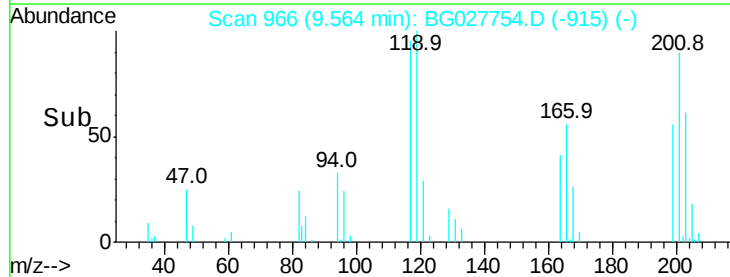
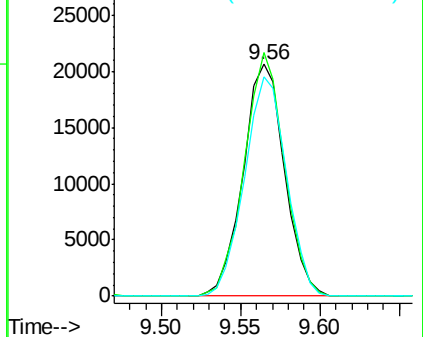


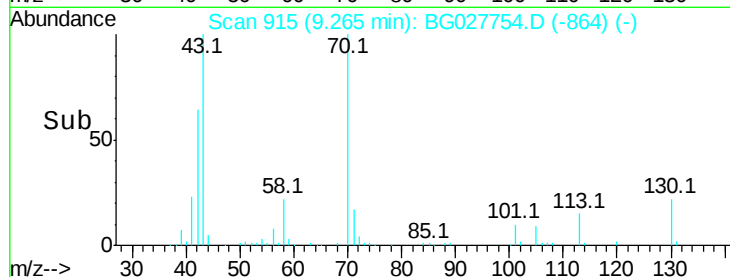
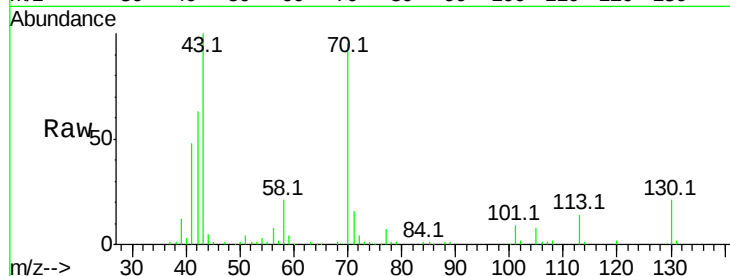
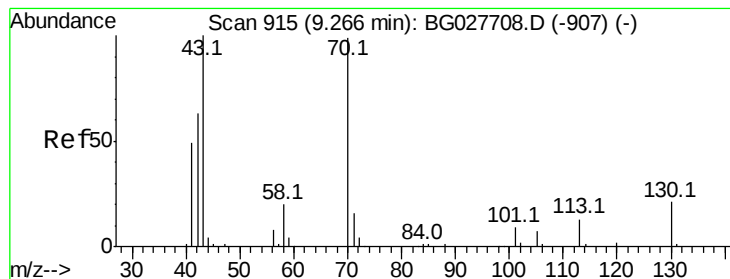
Abundance

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: 38.99 ng

RT: 9.26 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 97465

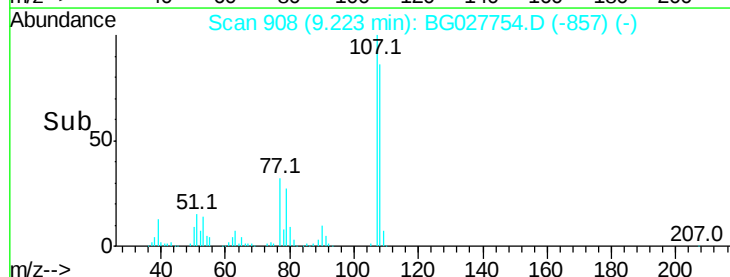
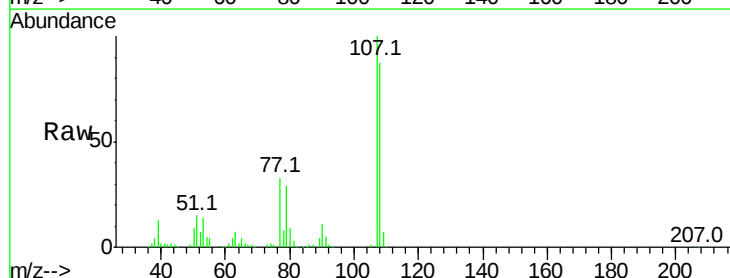
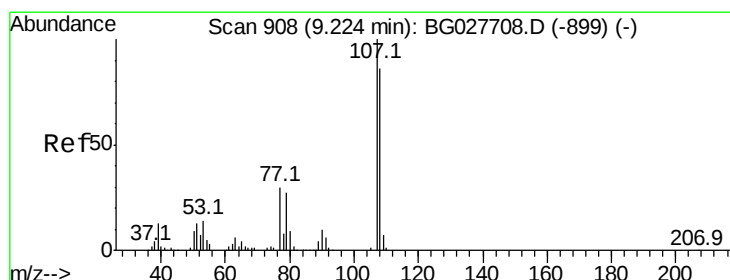
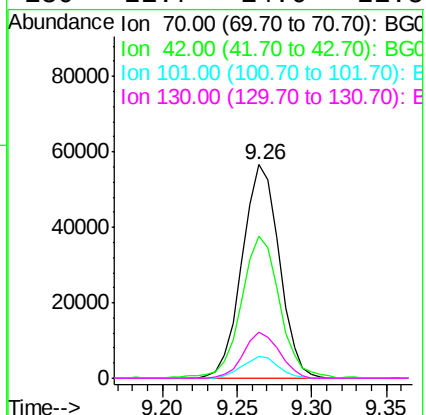
Ion Ratio Lower Upper

70 100

42 66.8 56.1 84.1

101 10.0 7.5 11.3

130 21.7 14.6 21.8



#20

3+4-Methylphenols

Concen: 43.87 ng

RT: 9.22 min Scan# 908

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Tgt Ion: 107 Resp: 152169

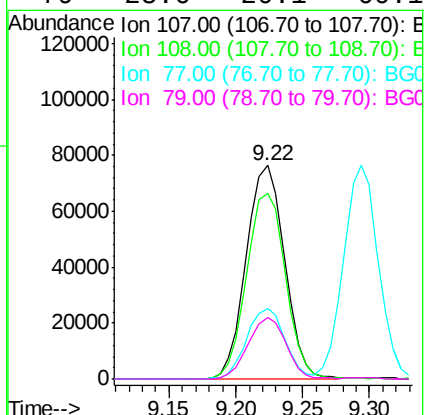
Ion Ratio Lower Upper

107 100

108 86.9 70.8 110.8

77 32.7 25.8 65.8

79 28.6 20.1 60.1

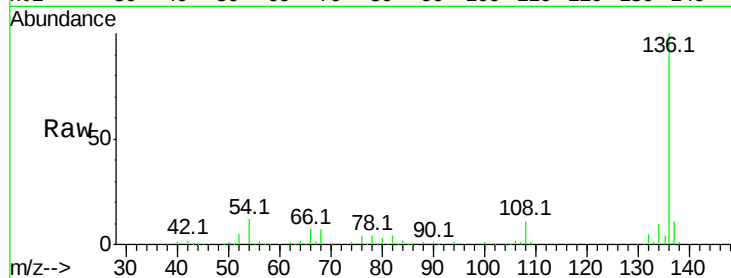




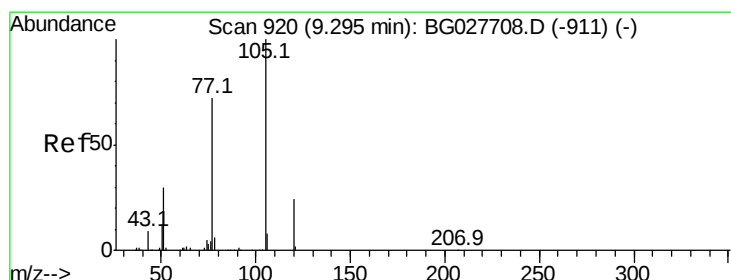
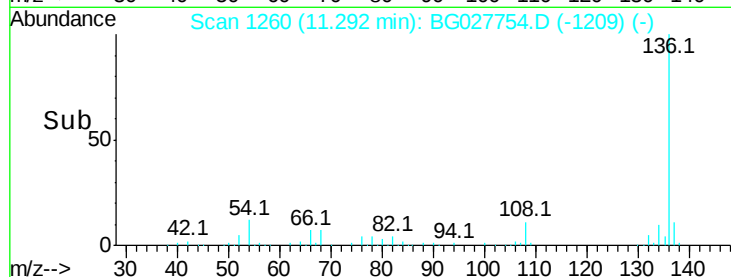
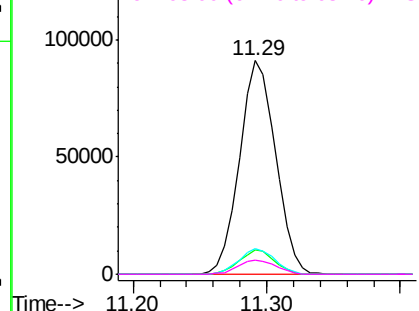
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.29 min Scan# 1260  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 170482 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 12.1  | 9.3   | 13.9   |
| 68       | 6.7   | 5.1   | 7.7    |

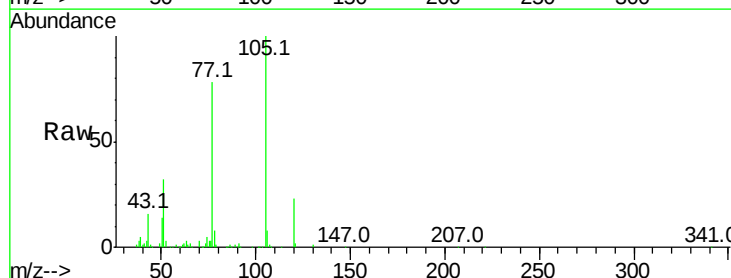


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

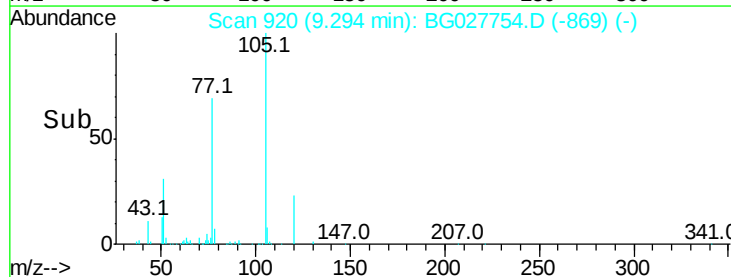
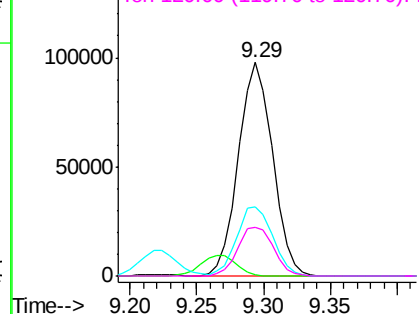


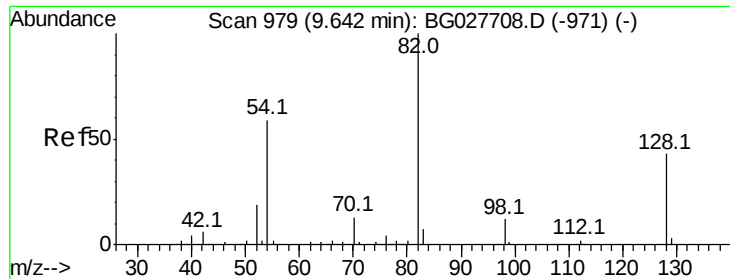
#22  
Acetophenone  
Concen: 42.42 ng  
RT: 9.29 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 174492 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.4   | 0.9   | 1.3#   |
| 51       | 32.3  | 34.0  | 51.0#  |
| 120      | 22.8  | 17.3  | 25.9   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

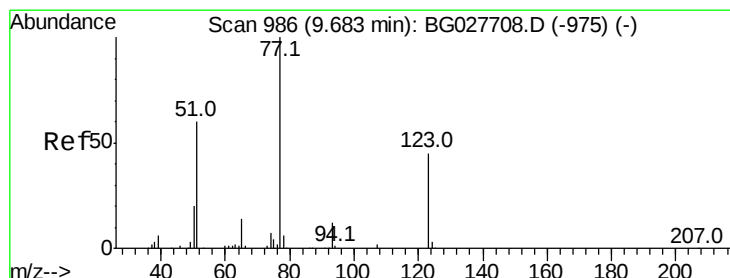
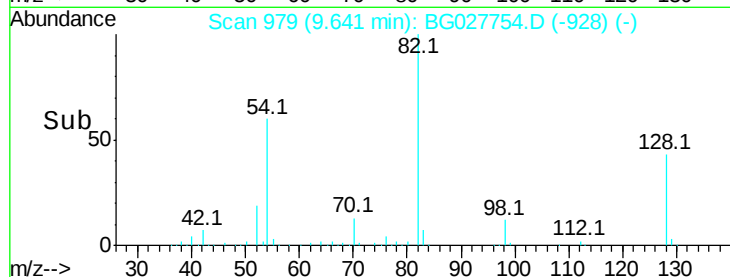
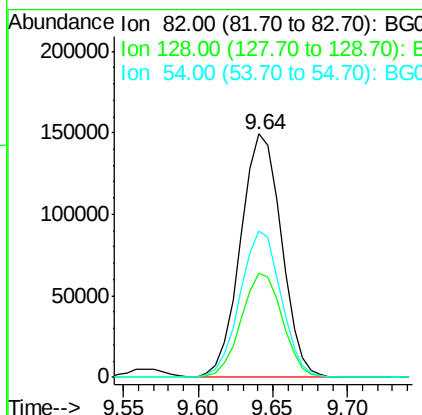
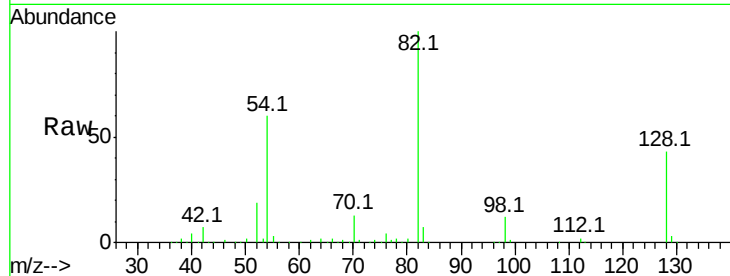




#23  
 Nitrobenzene-d5  
 Concen: 92.77 ng  
 RT: 9.64 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

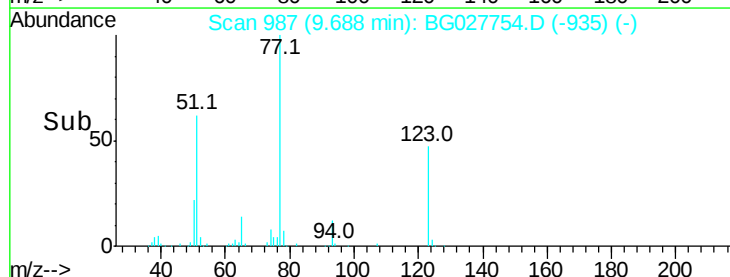
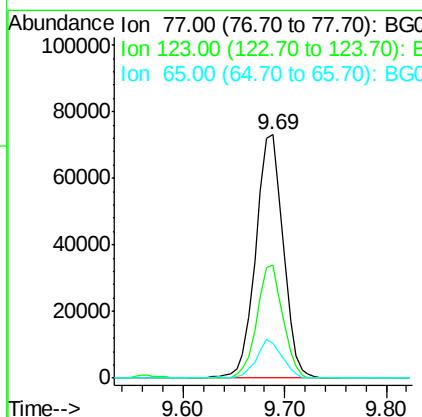
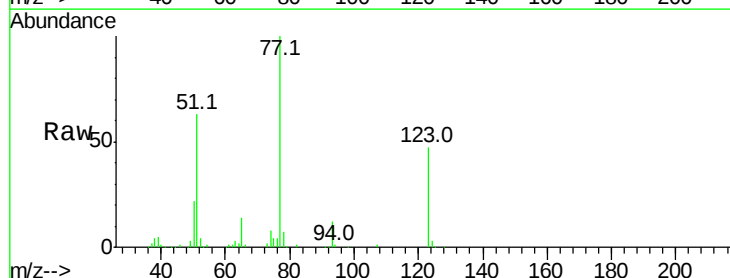
Instrument :  
 BNA\_G  
 ClientSampled :

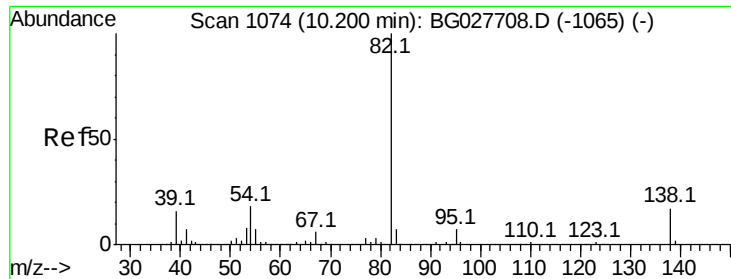
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.0  | 26.4  | 39.6# |
| 54      | 59.9  | 49.4  | 74.2  |



#24  
 Nitrobenzene  
 Concen: 43.05 ng  
 RT: 9.69 min Scan# 987  
 Delta R.T. 0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 46.5  | 26.1  | 39.1# |
| 65      | 14.3  | 12.4  | 18.6  |





#25

Isophorone

Concen: 41.57 ng

RT: 10.20 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

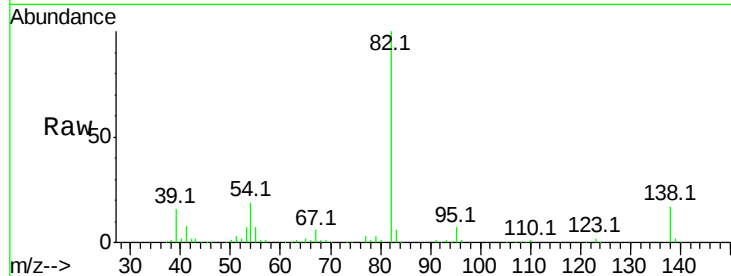
Tot Ion: 82 Resp: 277158

Ion Ratio Lower Upper

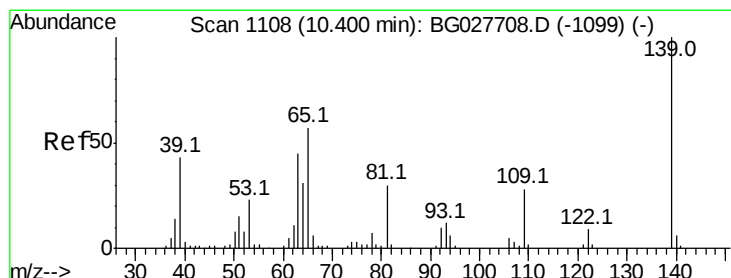
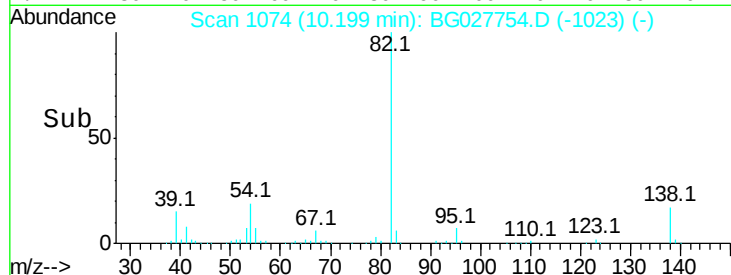
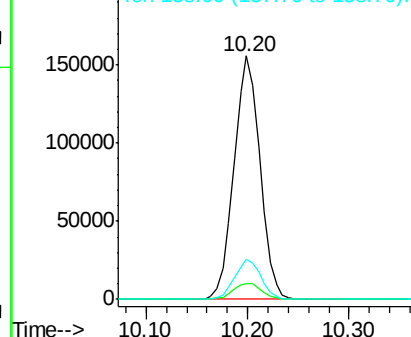
82 100

95 6.7 7.5 11.3#

138 16.7 12.3 18.5



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 45.93 ng

RT: 10.40 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

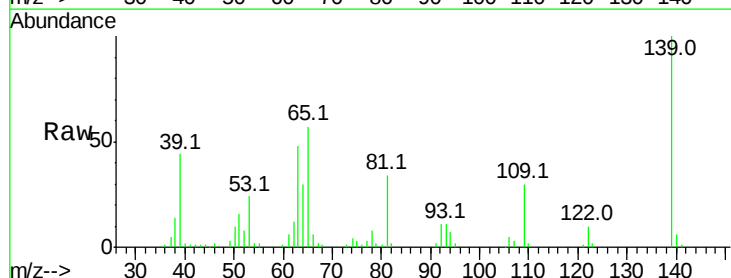
Tgt Ion: 139 Resp: 66339

Ion Ratio Lower Upper

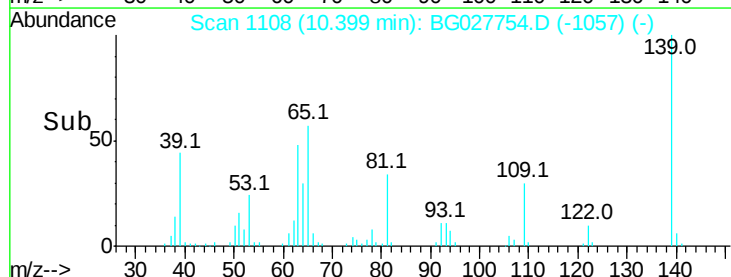
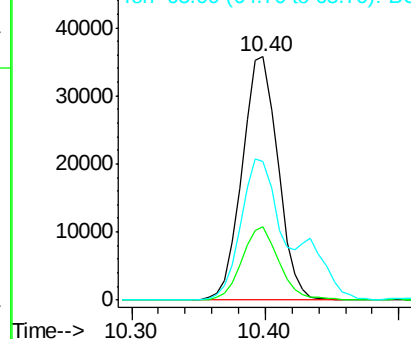
139 100

109 30.4 38.6 58.0#

65 57.0 57.1 85.7#



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

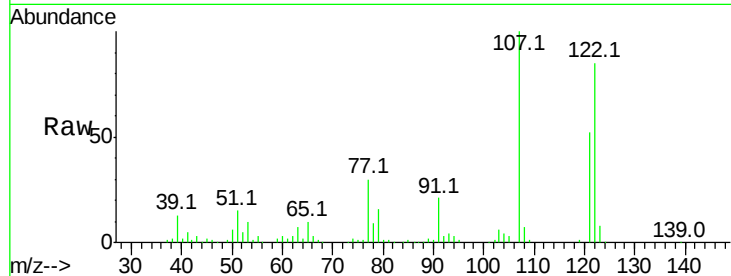




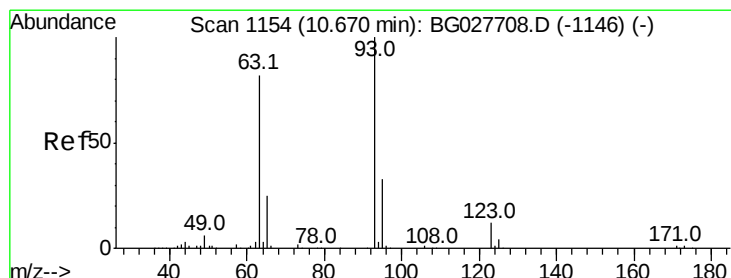
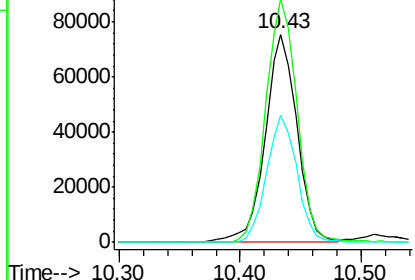
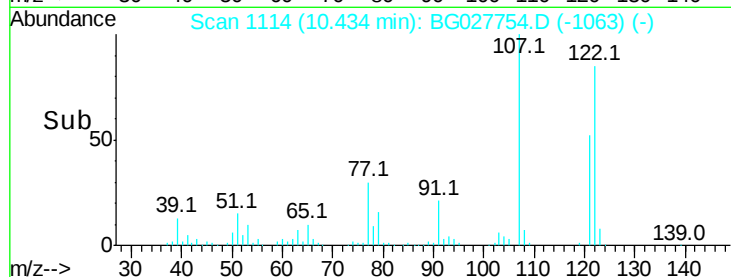
#27  
2,4-Dimethylphenol  
Concen: 50.56 ng  
RT: 10.43 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:122 Resp: 136787  
Ion Ratio Lower Upper  
122 100  
107 117.1 104.2 156.4  
121 61.1 46.0 69.0

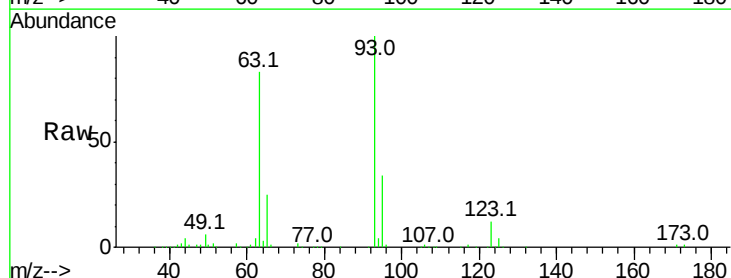


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

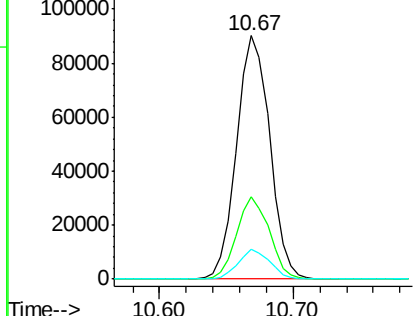
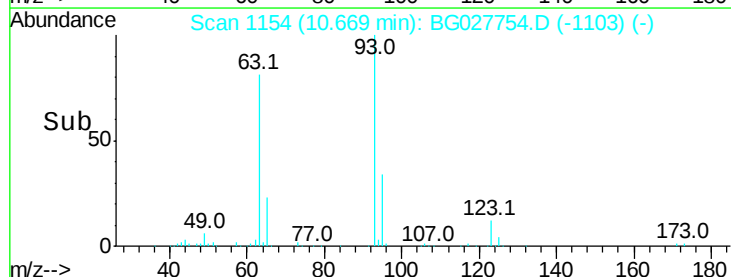


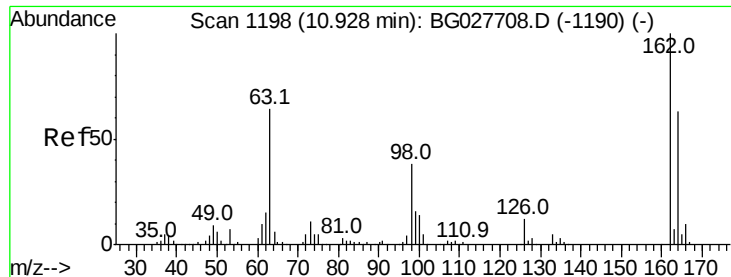
#28  
bis(2-Chloroethoxy)methane  
Concen: 41.09 ng  
RT: 10.67 min Scan# 1154  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion: 93 Resp: 155307  
Ion Ratio Lower Upper  
93 100  
95 34.0 25.7 38.5  
123 12.4 8.3 12.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 123.00 (122.70 to 123.70): E

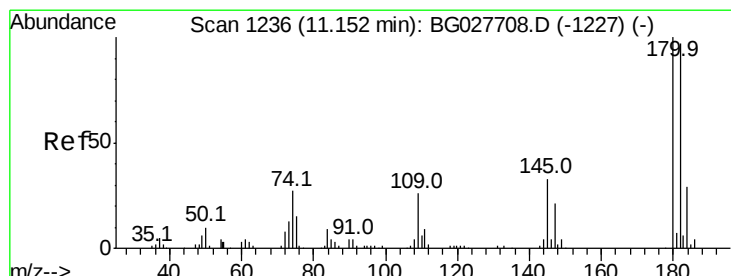
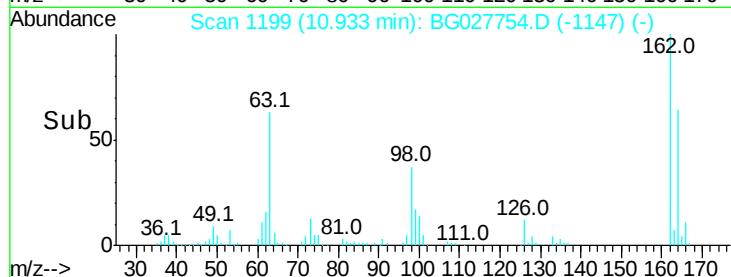
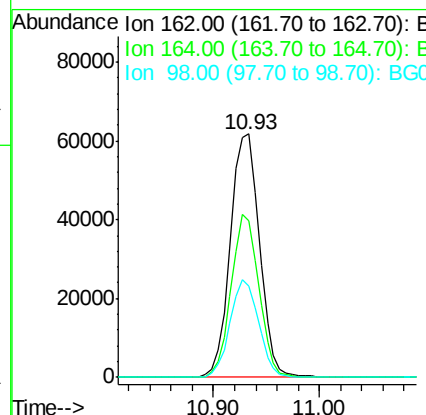
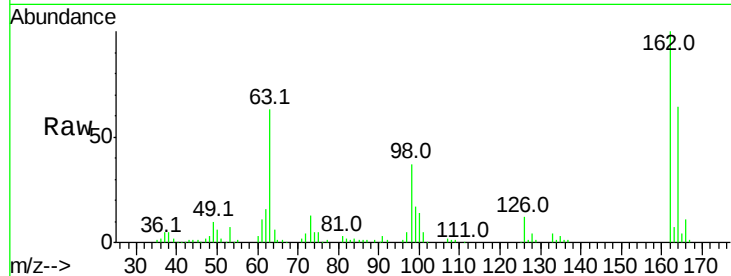




#29  
 2,4-Dichlorophenol  
 Concen: 49.69 ng  
 RT: 10.93 min Scan# 1199  
 Delta R.T. 0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

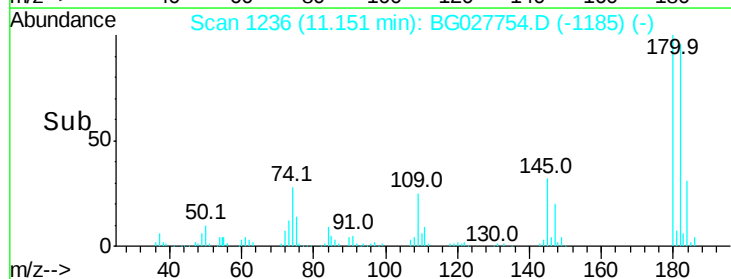
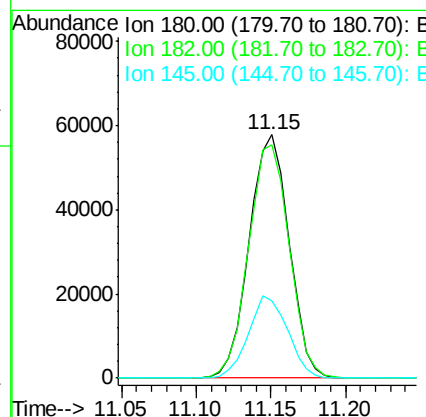
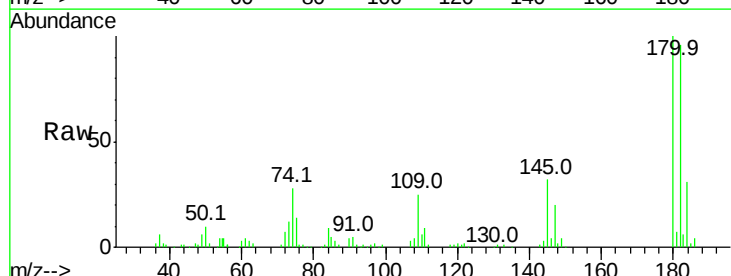
Instrument :  
 BNA\_G  
 ClientSampleId :

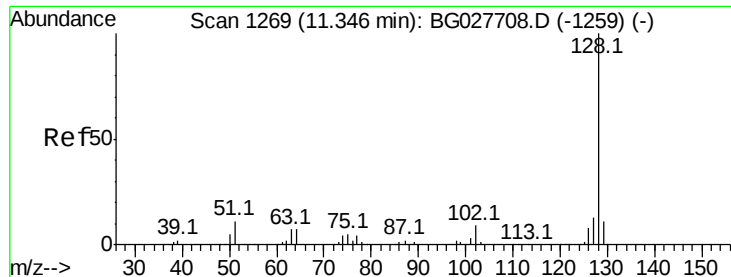
Tot Ion:162 Resp: 117800  
 Ion Ratio Lower Upper  
 162 100  
 164 64.1 42.4 82.4  
 98 37.3 20.3 60.3



#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.13 ng  
 RT: 11.15 min Scan# 1236  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Tgt Ion:180 Resp: 106702  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 77.0 115.4  
 145 31.7 23.4 35.0

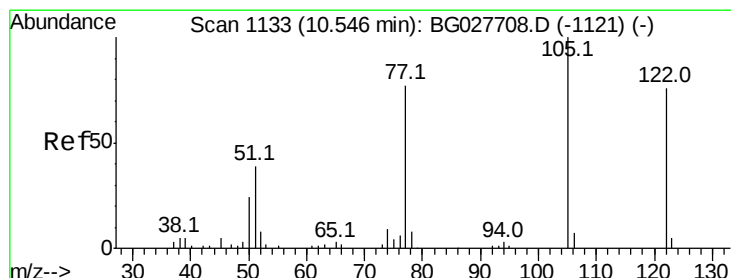
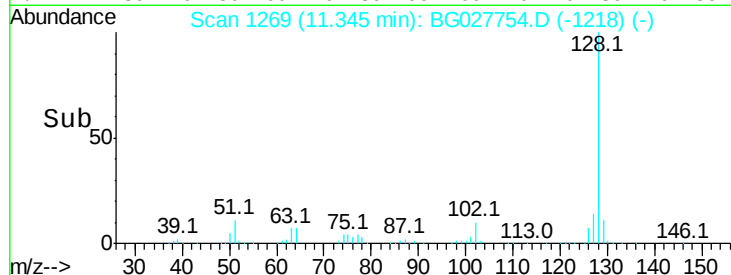
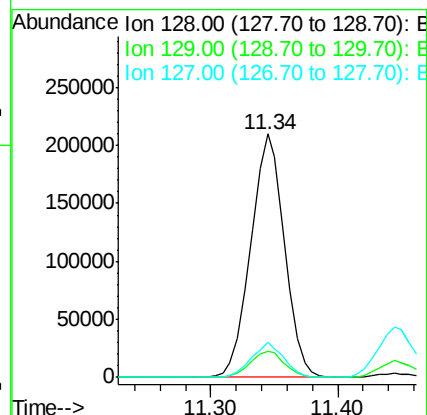
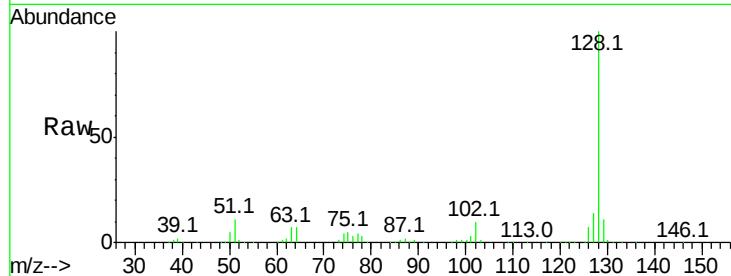




#31  
Naphthalene  
Concen: 42.69 ng  
RT: 11.34 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

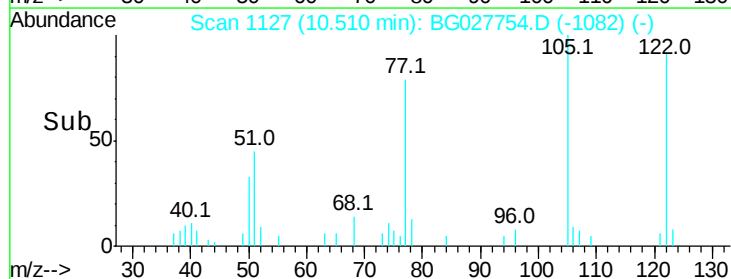
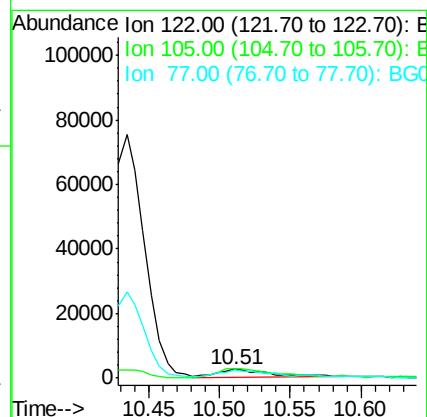
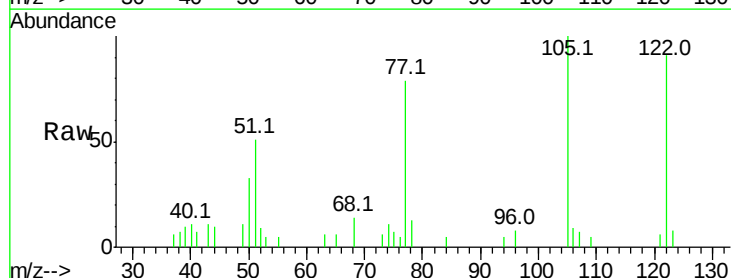
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:128 Resp: 386998  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.3 13.9  
127 14.2 11.4 17.0



#32  
Benzoic acid  
Concen: 12.00 ng  
RT: 10.51 min Scan# 1127  
Delta R.T. -0.04 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion:122 Resp: 6369  
Ion Ratio Lower Upper  
122 100  
105 110.4 120.1 160.1#  
77 87.5 104.6 144.6#

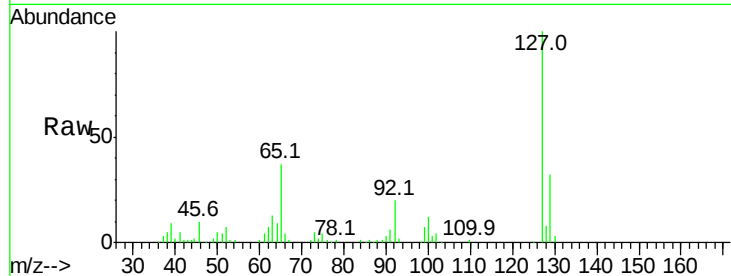




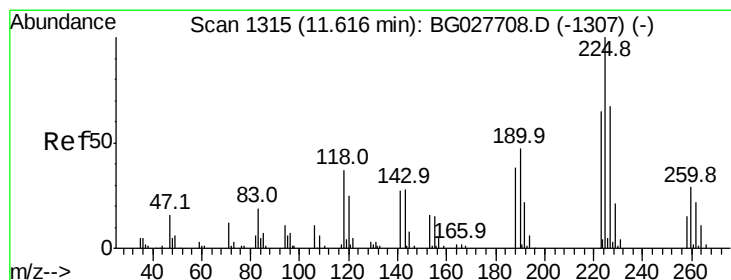
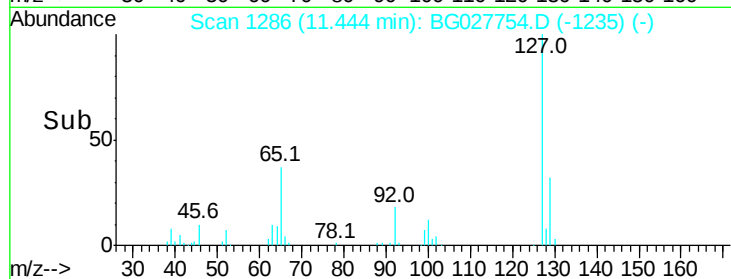
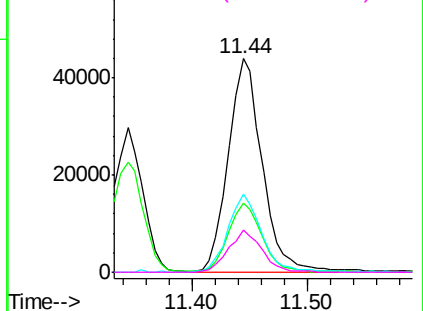
#33  
4-Chloroaniline  
Concen: 22.90 ng  
RT: 11.44 min Scan# 1286  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 89706 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.4  | 23.6  | 35.4  |
| 65       | 36.6  | 37.7  | 56.5# |
| 92       | 19.7  | 17.6  | 26.4  |

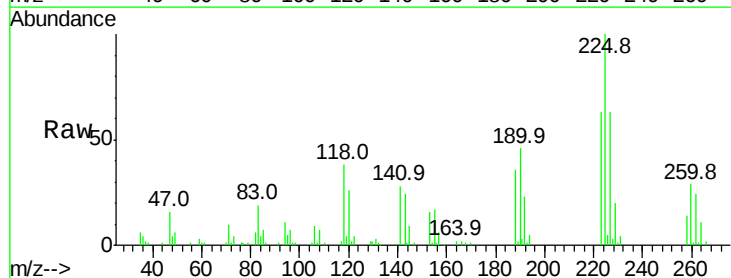


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

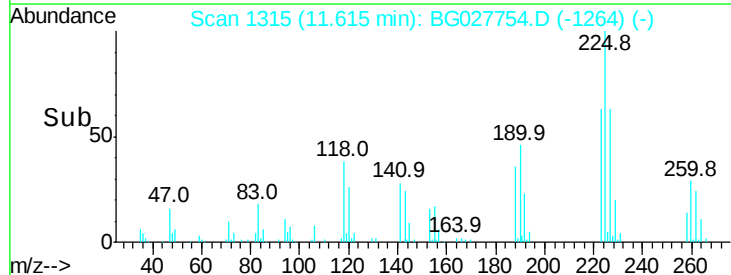
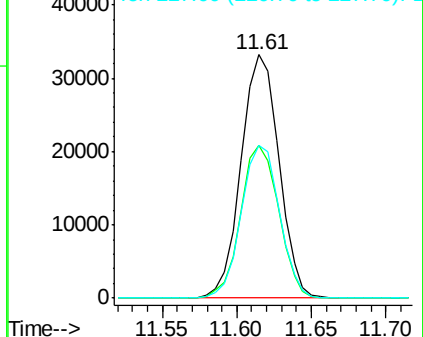


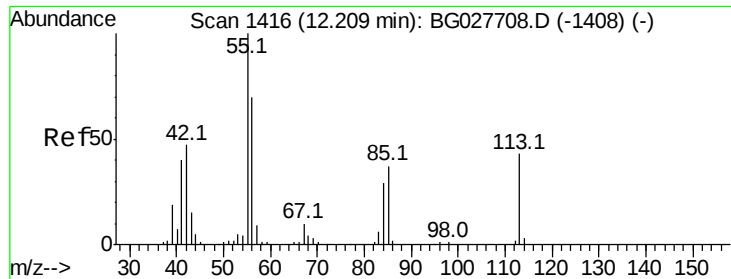
#34  
Hexachlorobutadiene  
Concen: 43.31 ng  
RT: 11.61 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 58349 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.9  | 50.7  | 76.1  |
| 227      | 62.9  | 49.0  | 73.6  |



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

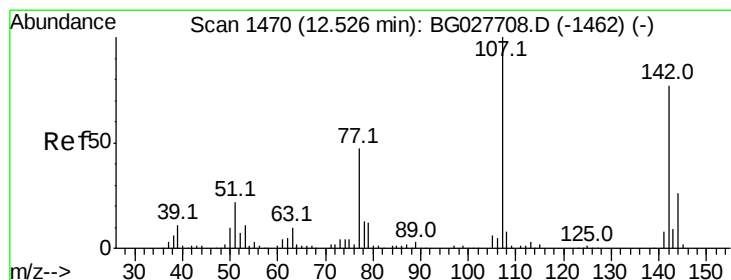
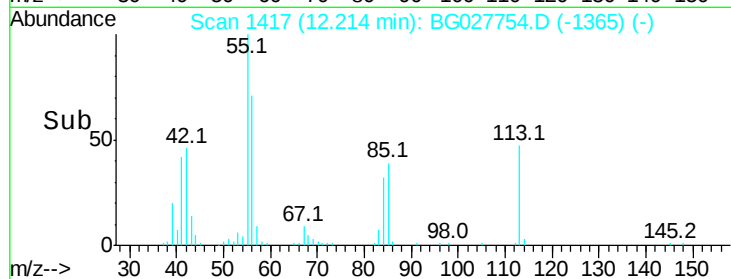
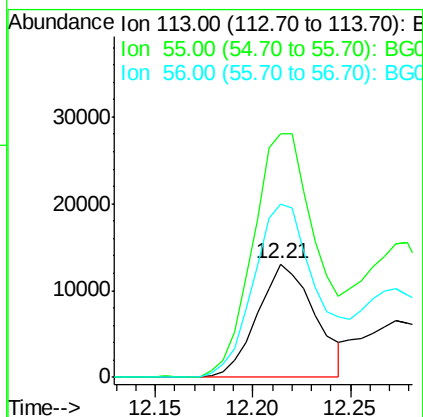
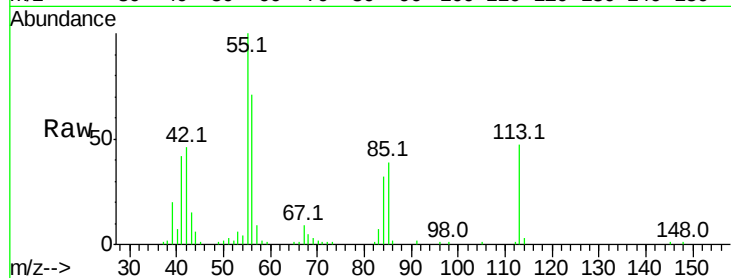




#35  
Caprolactam  
Concen: 22.32 ng  
RT: 12.21 min Scan# 1417  
Delta R.T. 0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

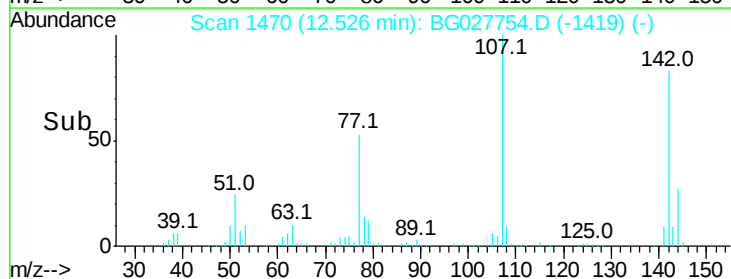
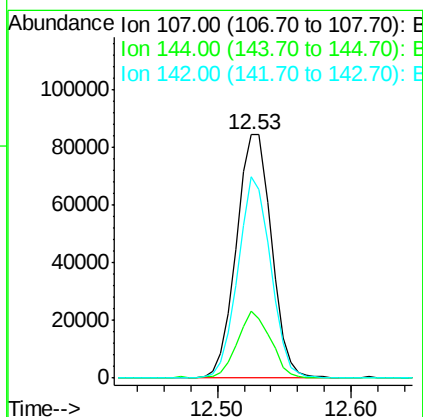
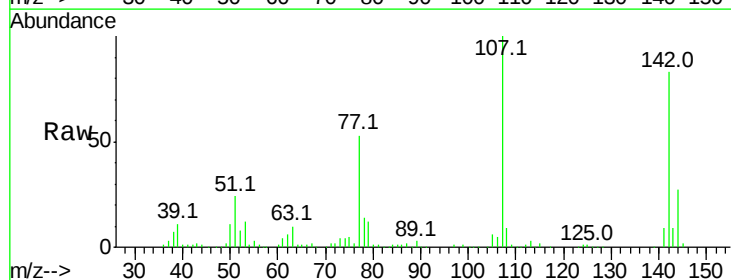
Instrument :  
BNA\_G  
ClientSampleId :

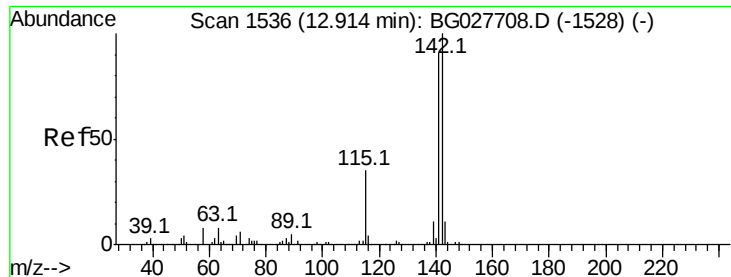
Tot Ion:113 Resp: 26610  
Ion Ratio Lower Upper  
113 100  
55 214.2 198.6 238.6  
56 152.4 140.4 180.4



#36  
4-Chloro-3-methylphenol  
Concen: 46.35 ng  
RT: 12.53 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion:107 Resp: 154629  
Ion Ratio Lower Upper  
107 100  
144 27.4 17.4 26.0#  
142 82.9 54.1 81.1#

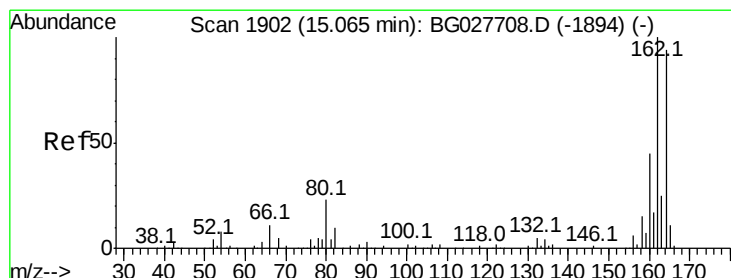
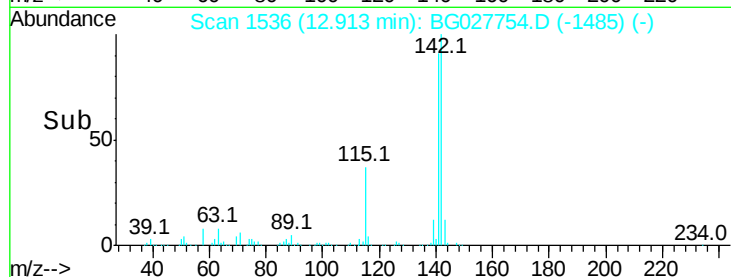
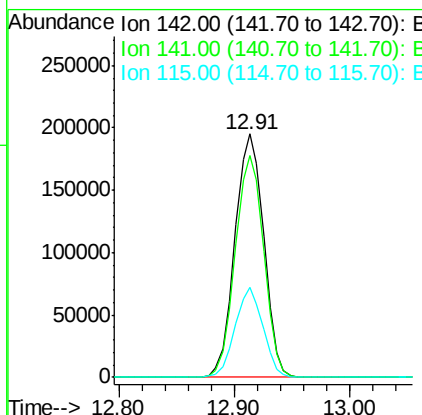
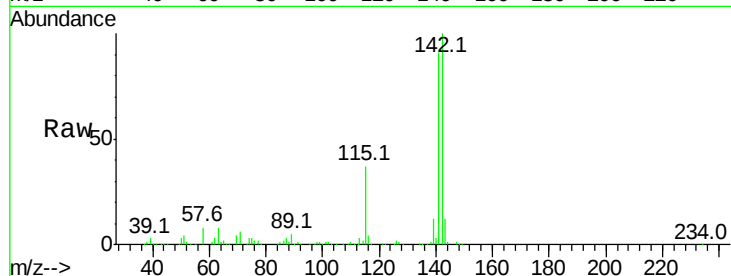




#37  
2-Methylnaphthalene  
Concen: 49.85 ng  
RT: 12.91 min Scan# 1536  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

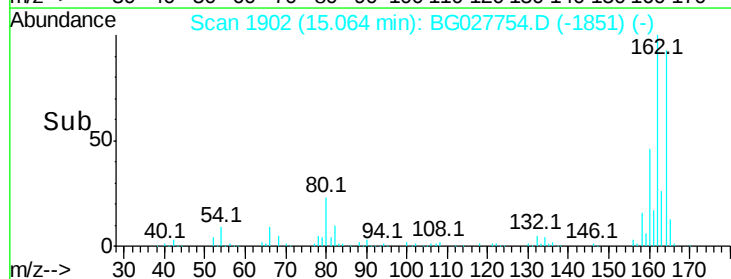
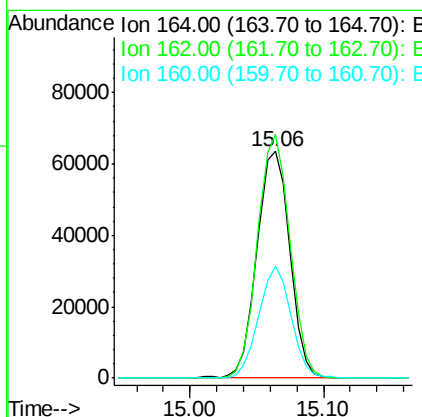
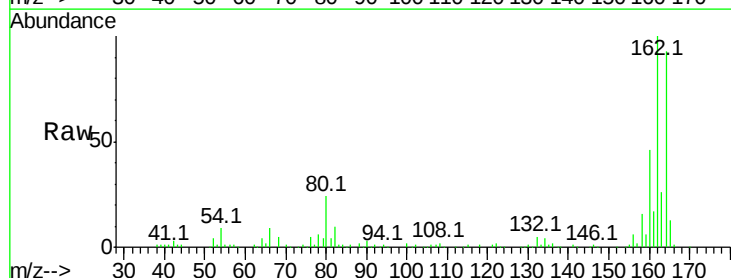
Instrument :  
BNA\_G  
ClientSampleId :

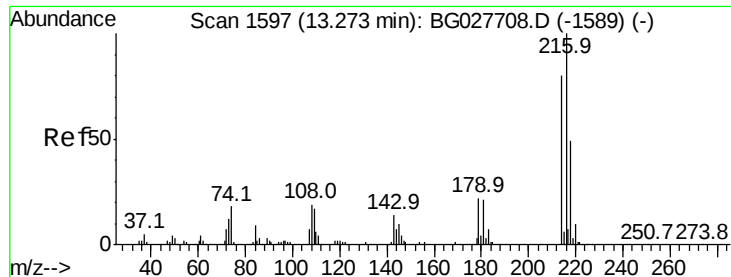
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.2  | 70.4  | 105.6 |
| 115     | 36.7  | 35.5  | 53.3  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.06 min Scan# 1902  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.3 | 85.1  | 127.7 |
| 160     | 49.3  | 34.7  | 52.1  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.62 ng

RT: 13.27 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

Tot Ion:216 Resp: 124074

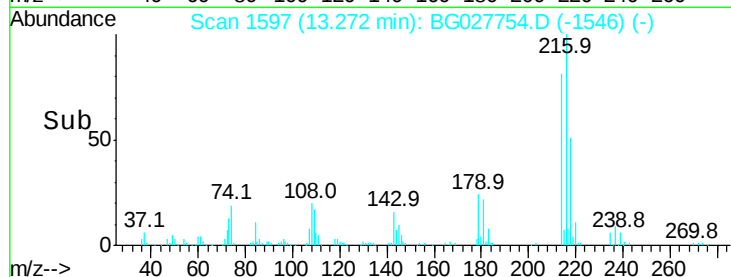
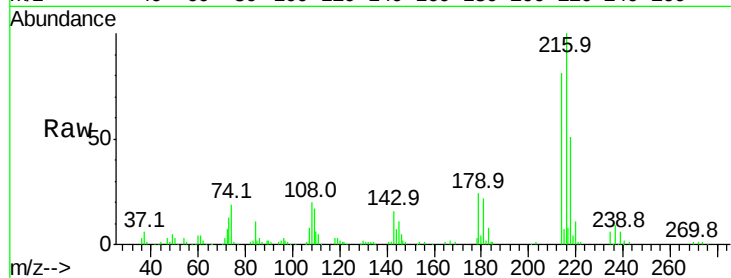
Ion Ratio Lower Upper

216 100

214 81.3 64.4 96.6

179 23.5 17.4 26.0

108 23.4 15.6 23.4#

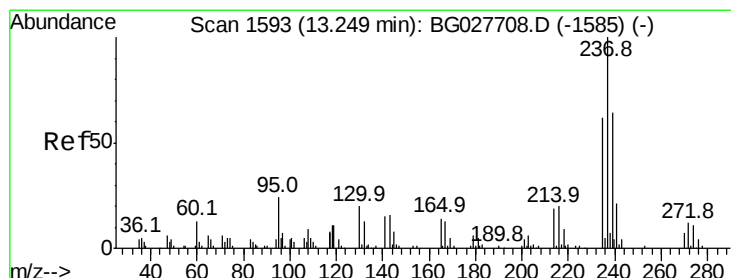
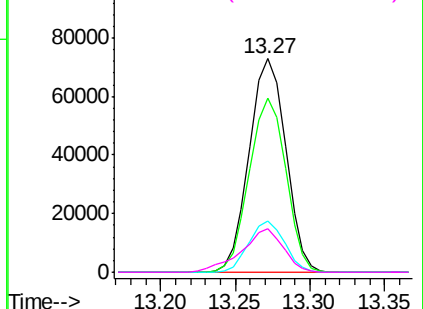


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 105.41 ng

RT: 13.25 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

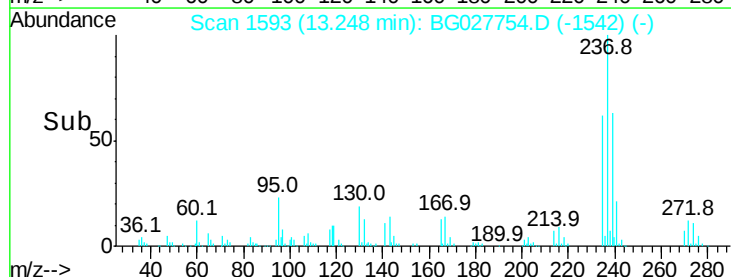
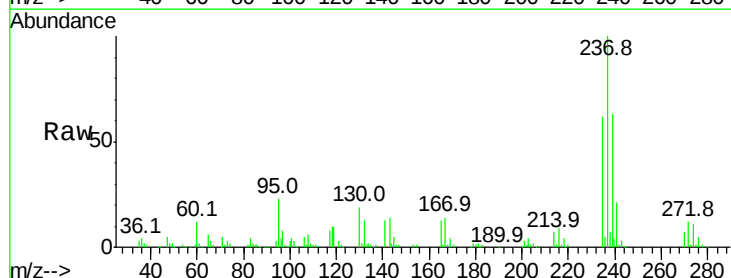
Tgt Ion:237 Resp: 141371

Ion Ratio Lower Upper

237 100

235 62.0 39.4 79.4

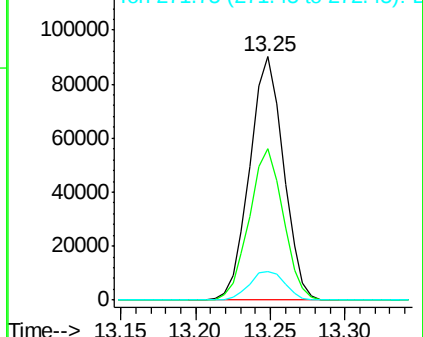
272 12.0 0.0 32.0

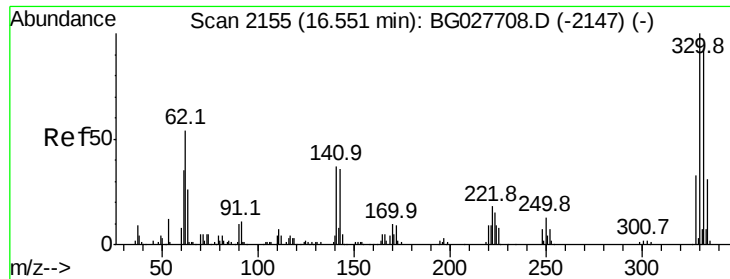


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

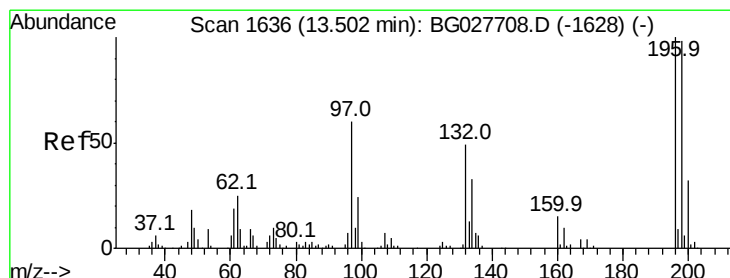
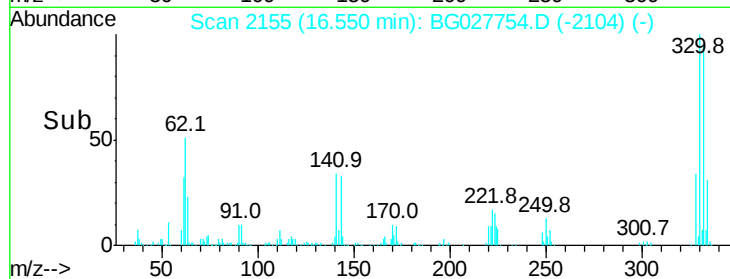
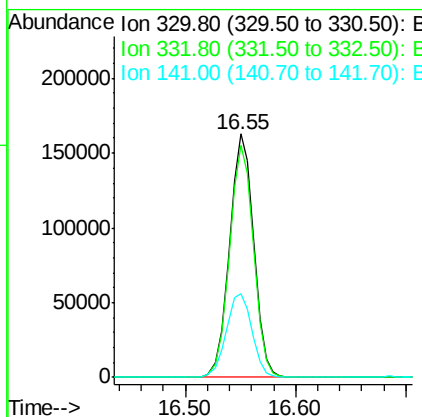
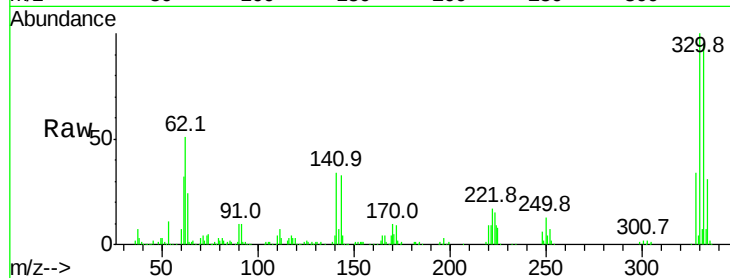




#41  
 2,4,6-Tribromophenol  
 Concen: 168.48 ng  
 RT: 16.55 min Scan# 2155  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

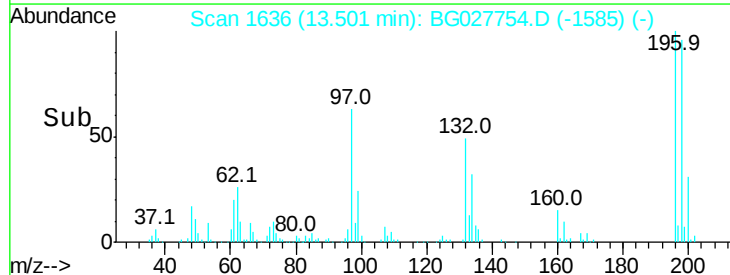
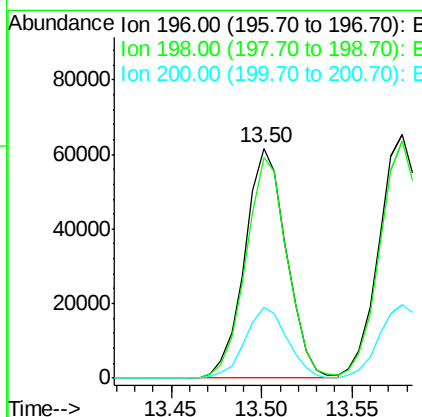
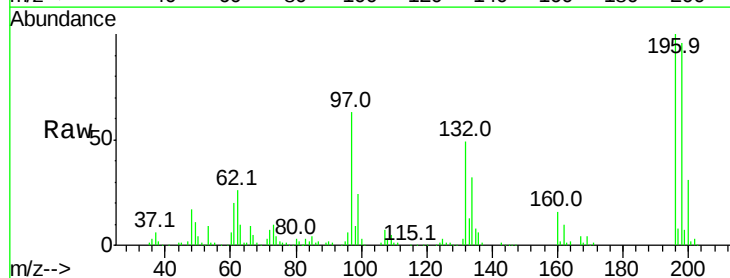
Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 77.3  | 115.9 |
| 141     | 37.1  | 32.1  | 48.1  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 47.93 ng  
 RT: 13.50 min Scan# 1636  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.1  | 81.4  | 122.2 |
| 200     | 30.6  | 27.0  | 40.6  |

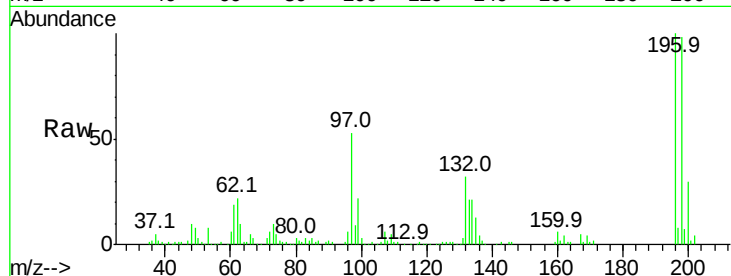




#43  
2,4,5-Trichlorophenol  
Concen: 47.12 ng  
RT: 13.58 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 97.6  | 79.9  | 119.9 |
| 97      | 53.1  | 45.4  | 68.0  |
| 132     | 31.9  | 20.7  | 31.1# |



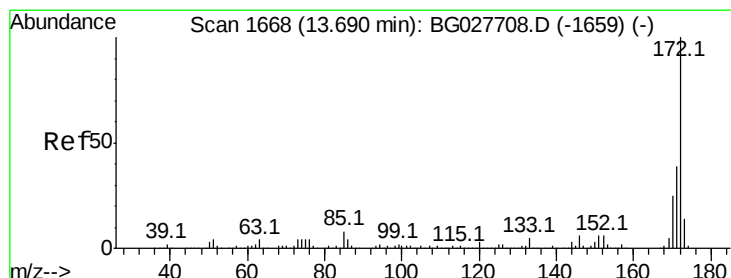
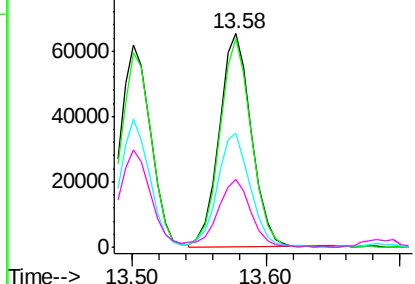
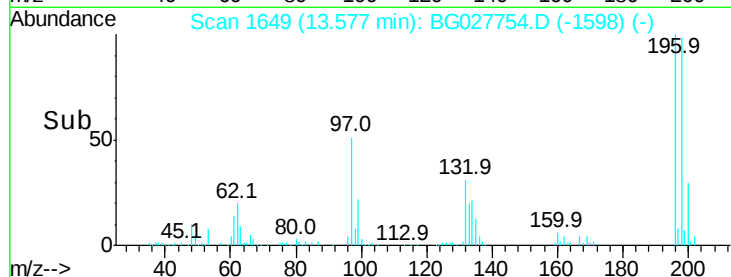
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

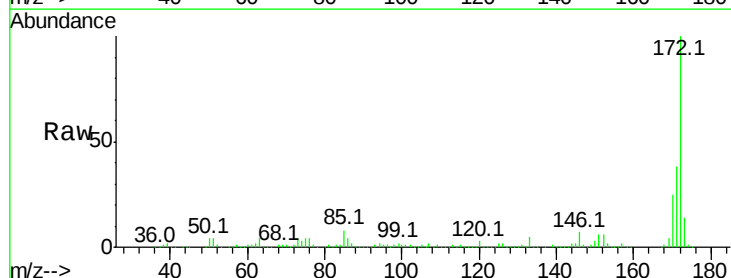
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
2-Fluorobiphenyl  
Concen: 91.72 ng  
RT: 13.69 min Scan# 1668  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 32.2  | 48.2  |
| 170     | 25.0  | 21.8  | 32.6  |

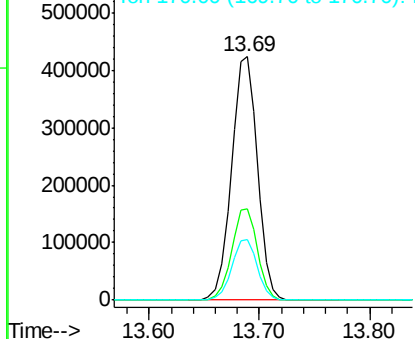
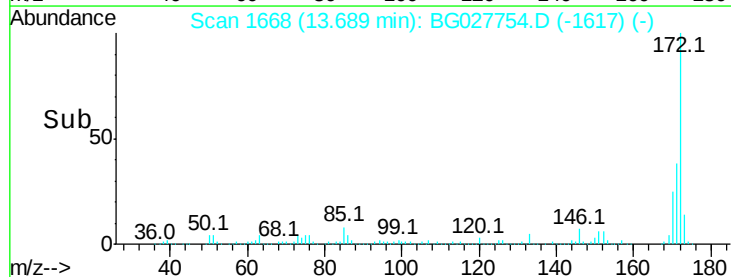


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 44.99 ng

RT: 13.90 min Scan# 1704

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

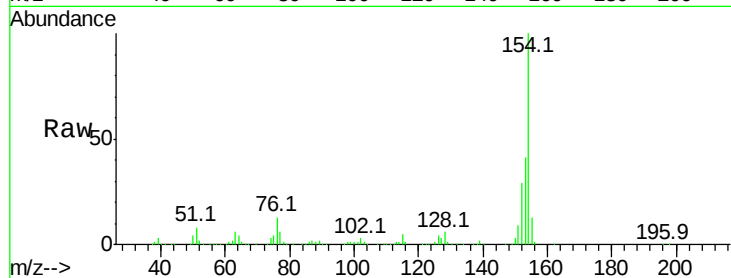
Tot Ion:154 Resp: 390408

Ion Ratio Lower Upper

154 100

153 40.8 23.0 63.0

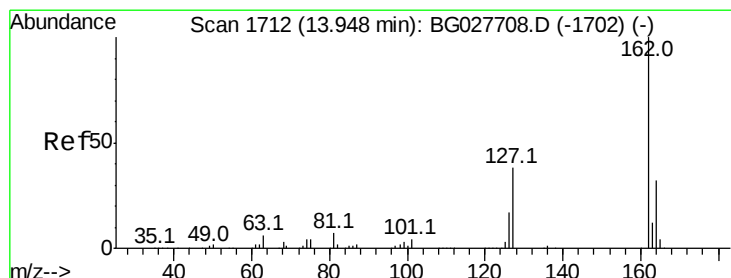
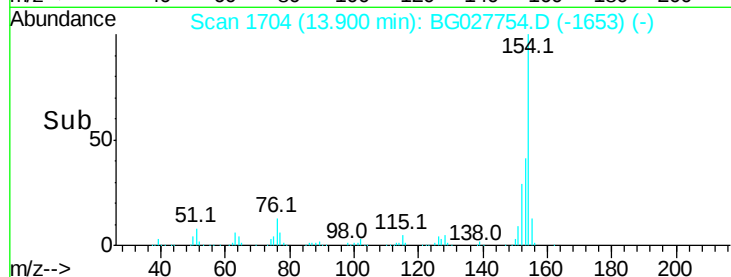
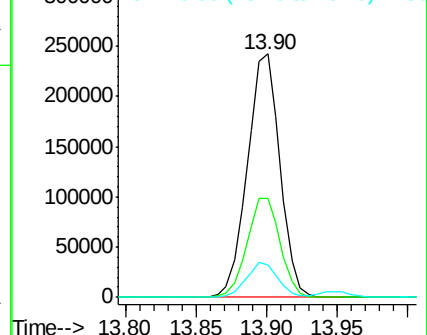
76 13.5 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#46

2-Chloronaphthalene

Concen: 43.21 ng

RT: 13.95 min Scan# 1712

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

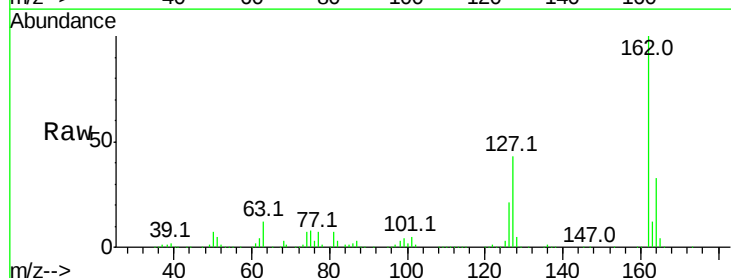
Tgt Ion:162 Resp: 283227

Ion Ratio Lower Upper

162 100

127 42.5 32.2 48.4

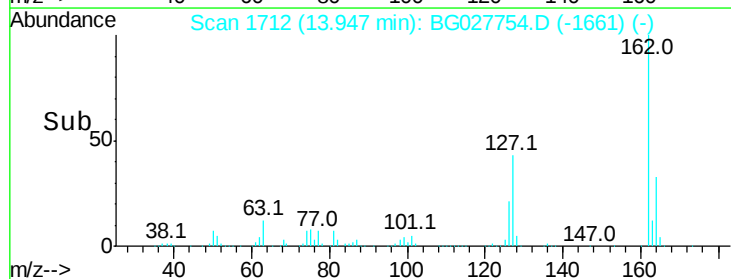
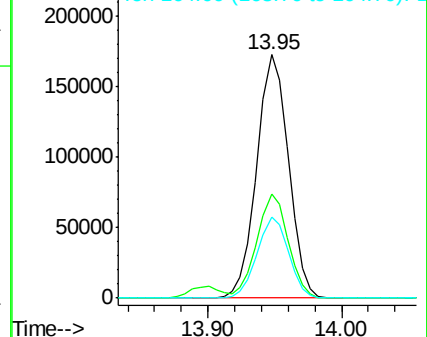
164 33.4 27.3 40.9

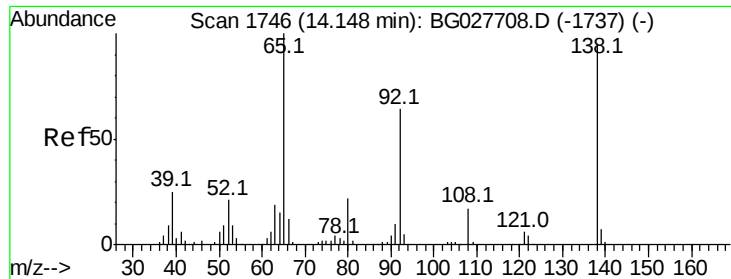


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 46.02 ng

RT: 14.15 min Scan# 1746

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

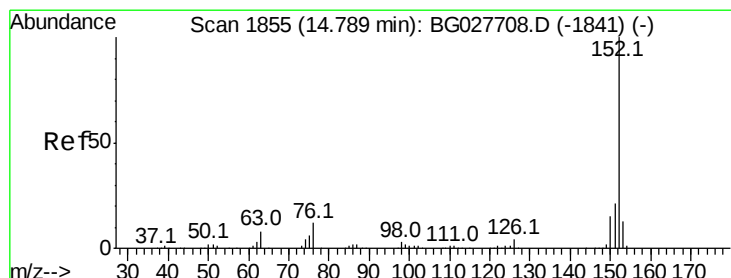
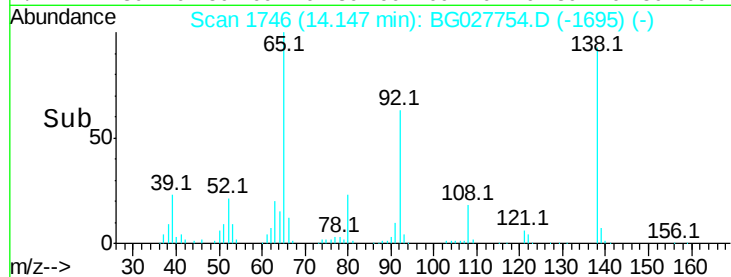
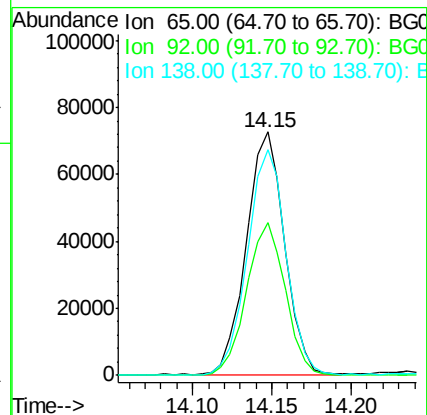
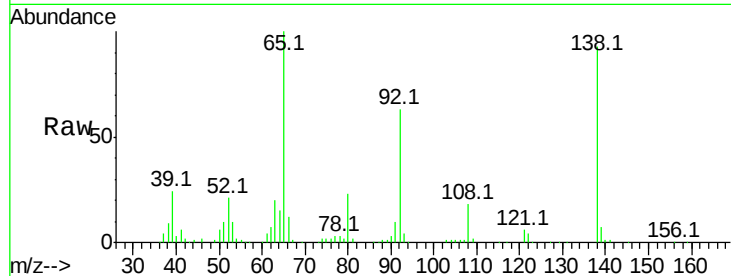
Tot Ion: 65 Resp: 120748

Ion Ratio Lower Upper

65 100

92 62.7 49.0 73.4

138 92.8 58.6 87.8#



#48

Acenaphthylene

Concen: 41.16 ng

RT: 14.79 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

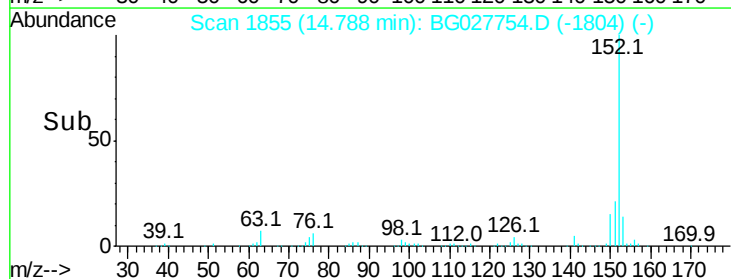
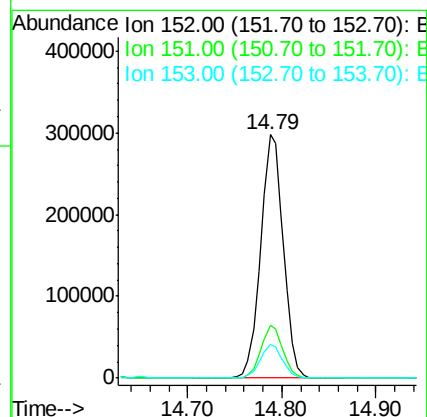
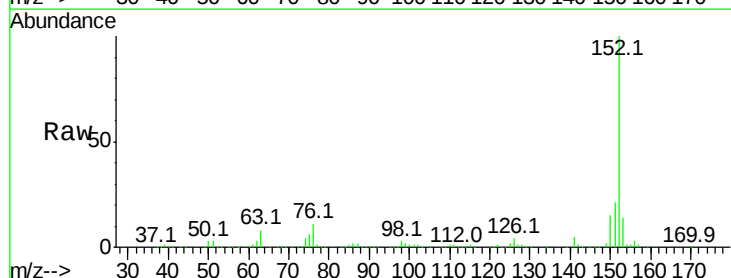
Tgt Ion: 152 Resp: 492965

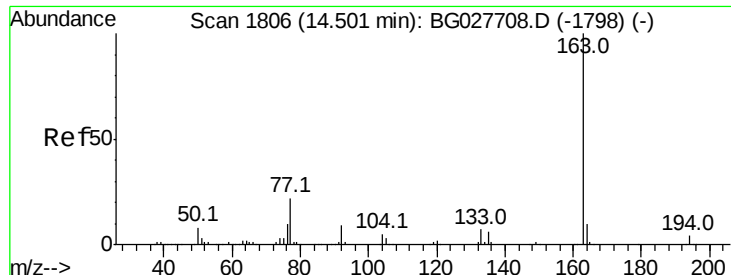
Ion Ratio Lower Upper

152 100

151 21.5 18.2 27.2

153 13.7 11.3 16.9





#49

Dimethylphthalate

Concen: 55.38 ng

RT: 14.50 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

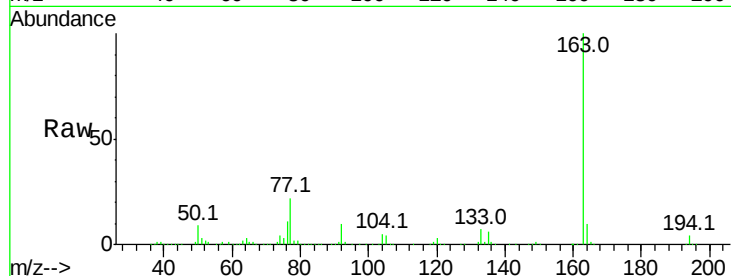
Tot Ion:163 Resp: 511415

Ion Ratio Lower Upper

163 100

194 4.0 3.8 5.6

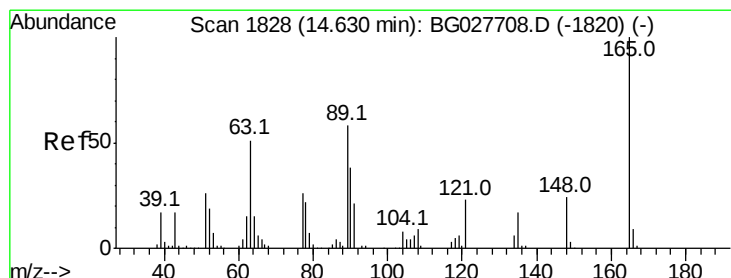
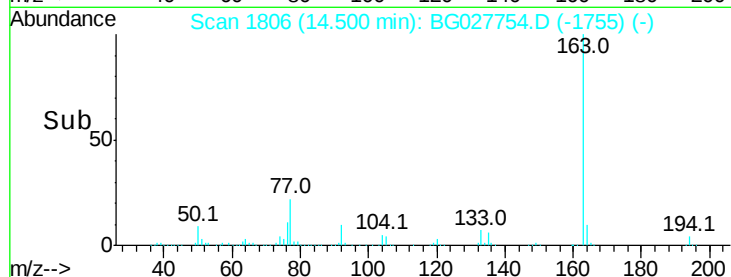
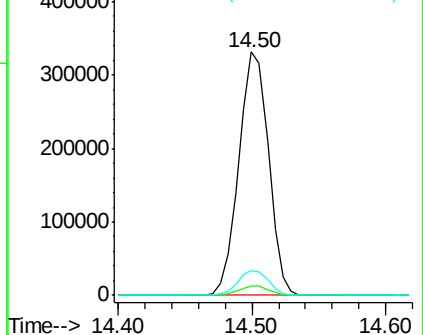
164 10.3 9.3 13.9



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: 45.40 ng

RT: 14.63 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

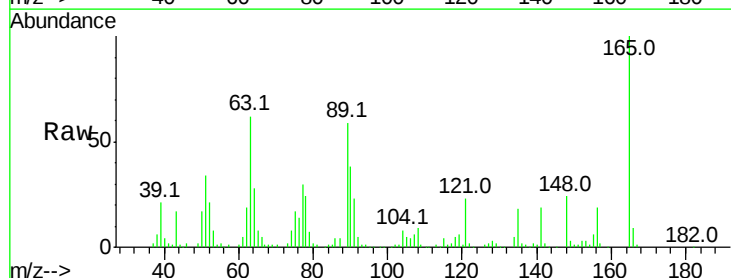
Tgt Ion:165 Resp: 91149

Ion Ratio Lower Upper

165 100

63 62.1 63.9 95.9#

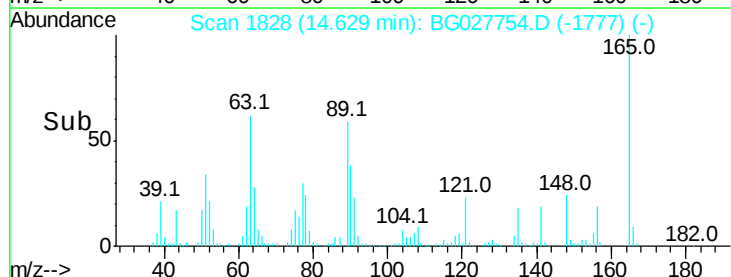
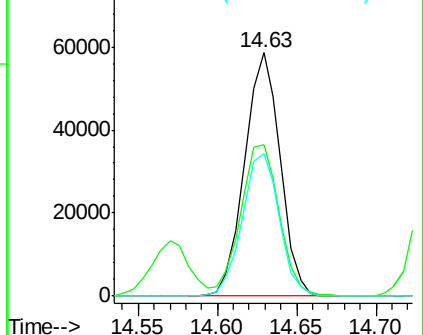
89 58.7 58.6 88.0

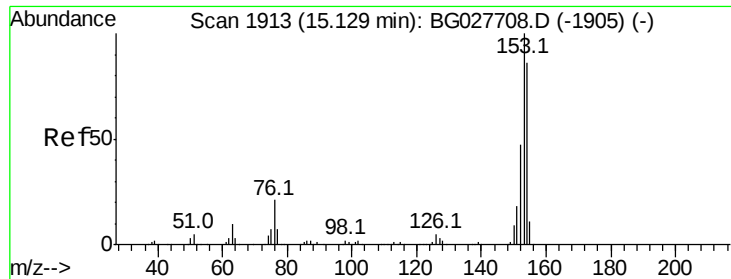


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 40.99 ng

RT: 15.13 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

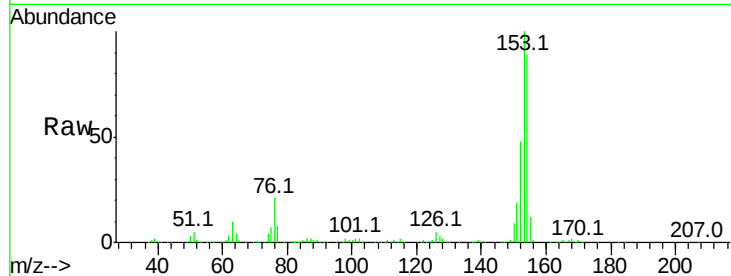
Tot Ion:154 Resp: 314690

Ion Ratio Lower Upper

154 100

153 112.8 87.8 131.6

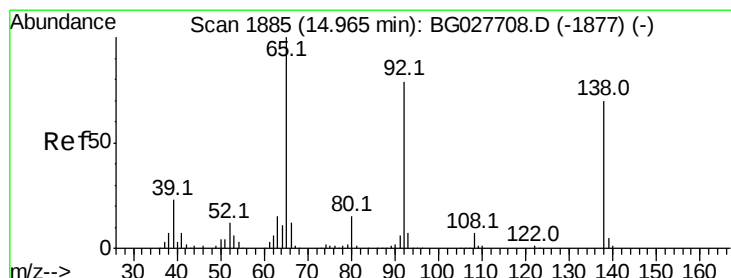
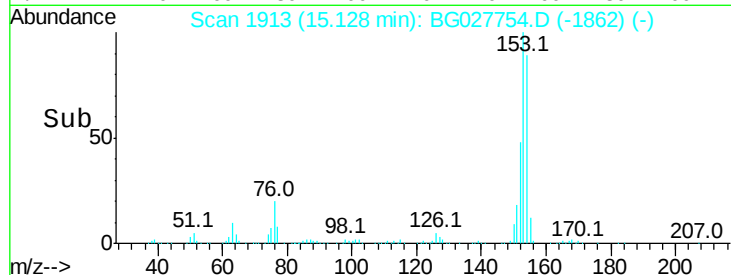
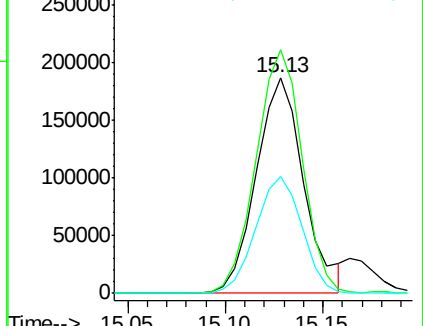
152 54.3 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 36.52 ng

RT: 14.96 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

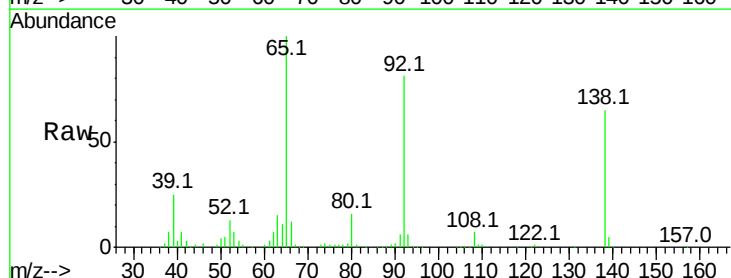
Tgt Ion:138 Resp: 86246

Ion Ratio Lower Upper

138 100

108 11.2 10.9 16.3

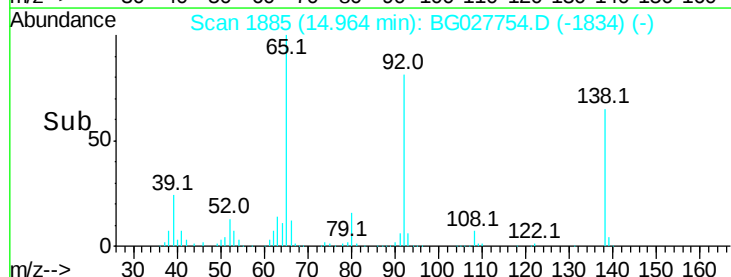
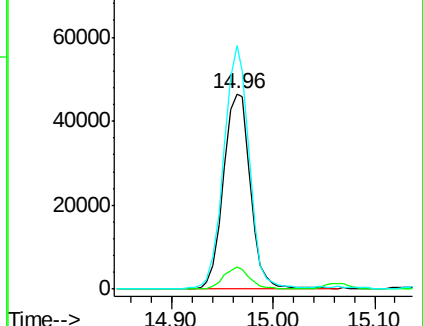
92 124.5 115.3 172.9

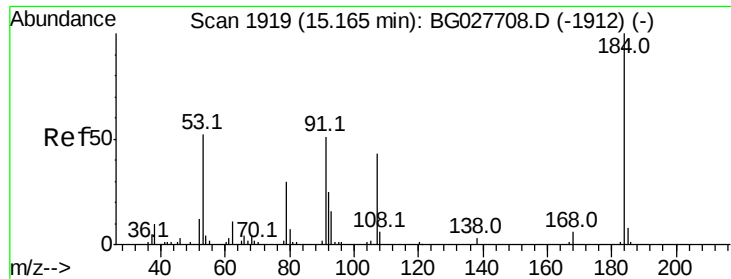


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

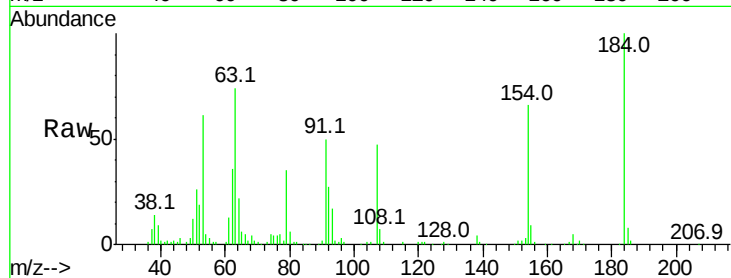




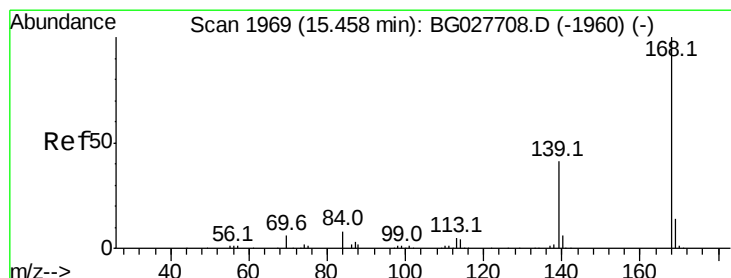
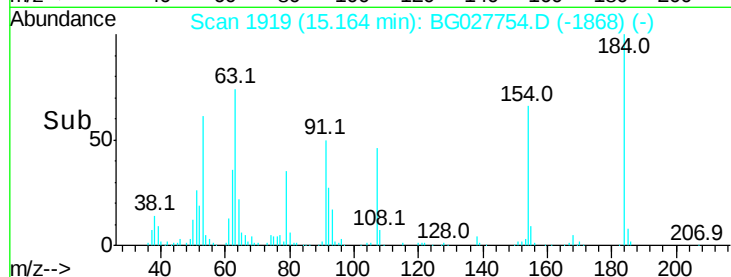
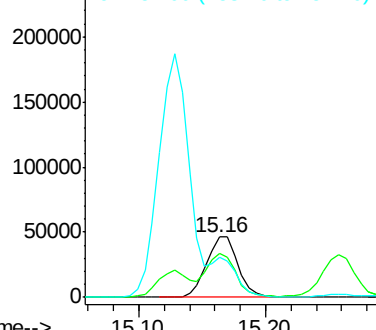
#53  
2,4-Dinitrophenol  
Concen: 73.57 ng  
RT: 15.16 min Scan# 1919  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 80198  
Ion Ratio Lower Upper  
184 100  
63 73.7 52.7 79.1  
154 66.3 57.3 85.9

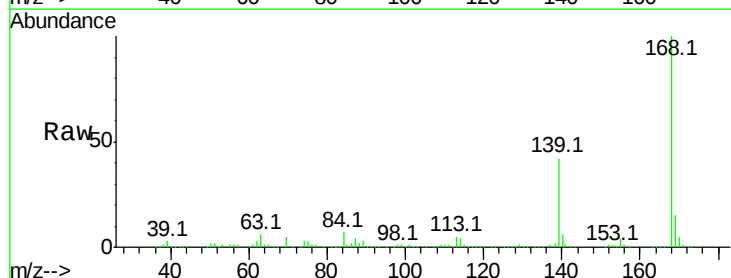


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E

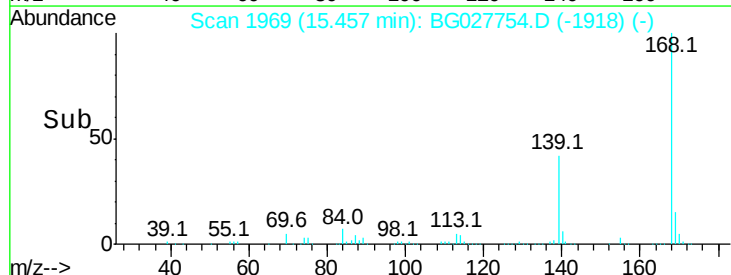
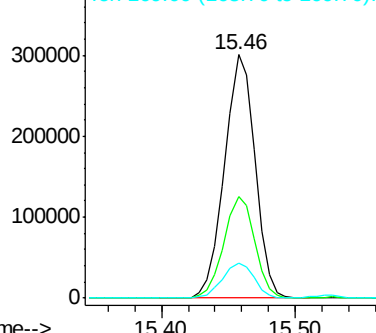


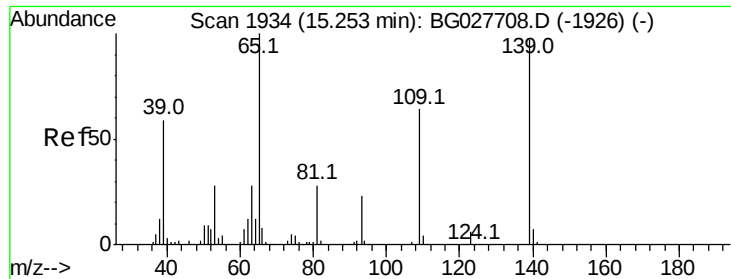
#54  
Dibenzofuran  
Concen: 46.64 ng  
RT: 15.46 min Scan# 1969  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion:168 Resp: 473372  
Ion Ratio Lower Upper  
168 100  
139 41.9 35.3 52.9  
169 14.6 11.5 17.3



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: 103.16 ng

RT: 15.26 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

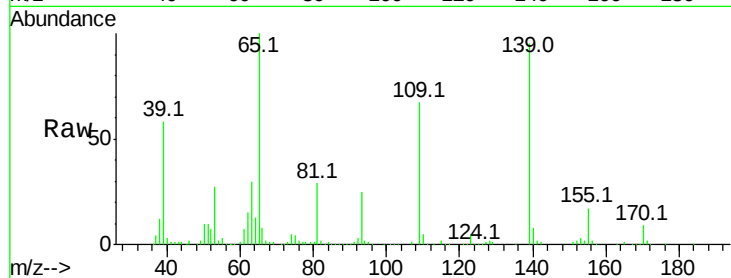
Tot Ion:139 Resp: 185980

Ion Ratio Lower Upper

139 100

109 70.2 101.2 141.2#

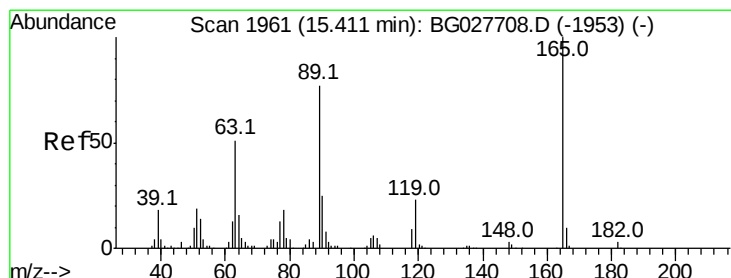
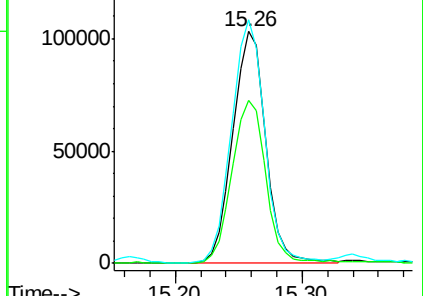
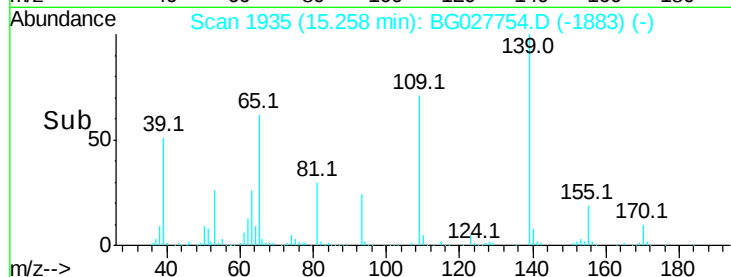
65 104.9 135.3 175.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 49.27 ng

RT: 15.41 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Tgt Ion:165 Resp: 137949

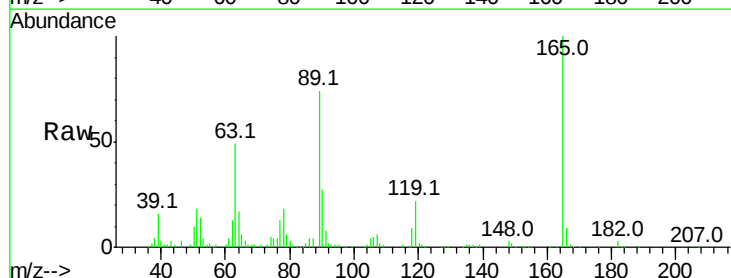
Ion Ratio Lower Upper

165 100

63 48.9 44.0 66.0

89 74.0 67.3 100.9

182 2.8 3.8 5.6#

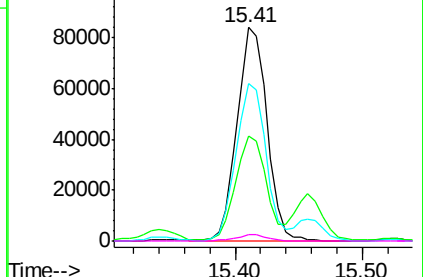
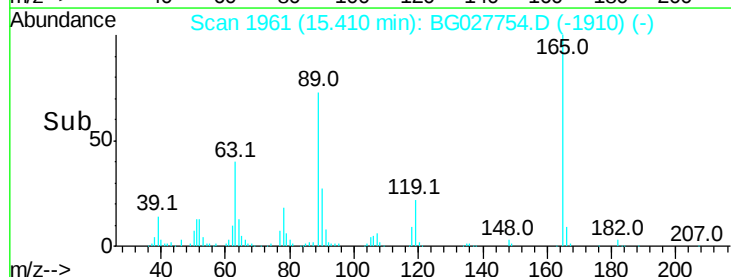


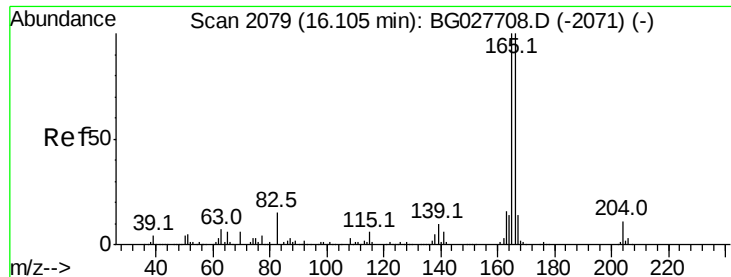
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 42.68 ng

RT: 16.11 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

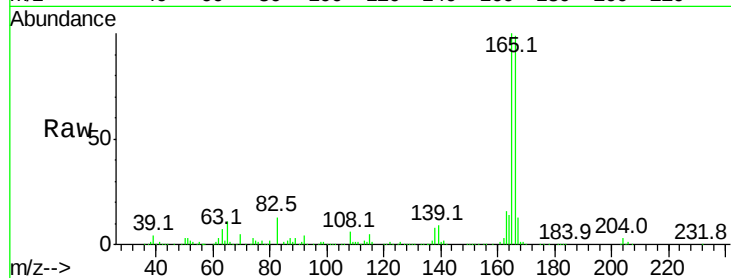
Tot Ion:166 Resp: 420006

Ion Ratio Lower Upper

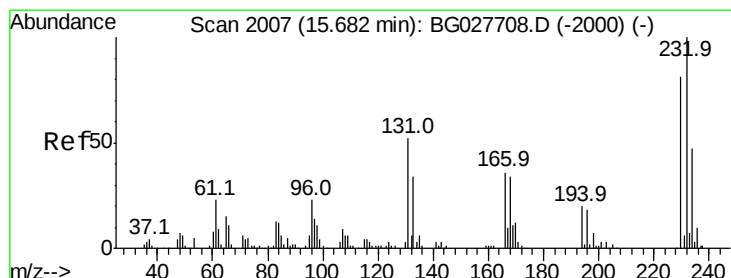
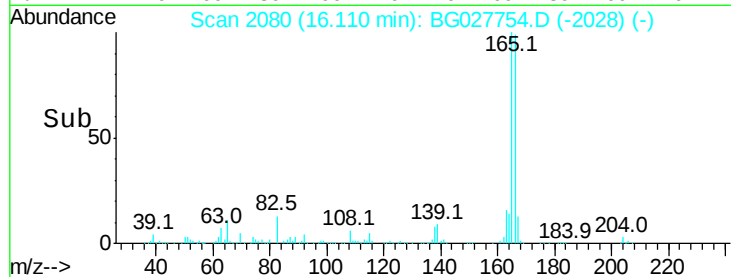
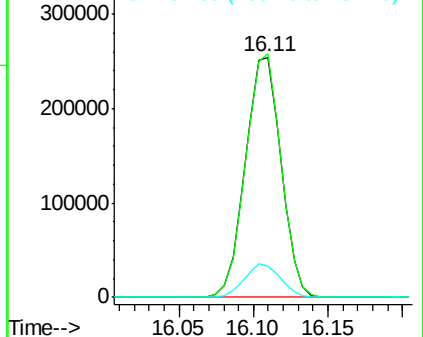
166 100

165 101.3 78.6 117.8

167 13.2 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.05 ng

RT: 15.60 min Scan# 1993

Delta R.T. -0.08 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Tgt Ion:232 Resp: 100442

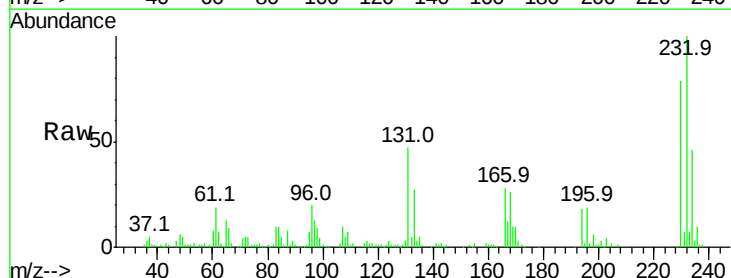
Ion Ratio Lower Upper

232 100

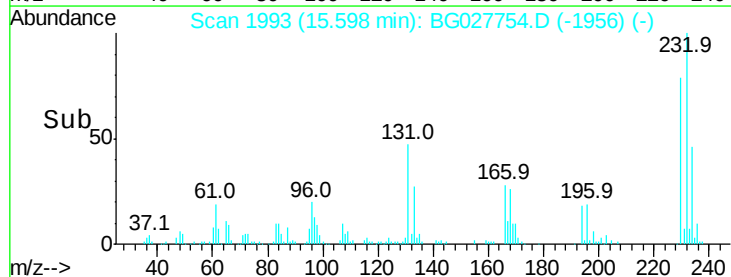
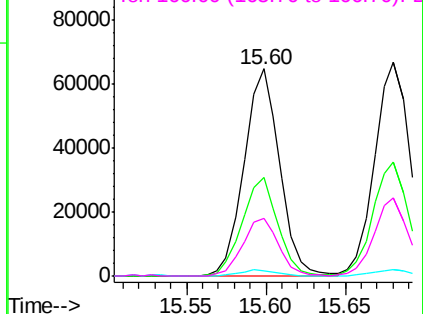
131 47.7 34.9 52.3

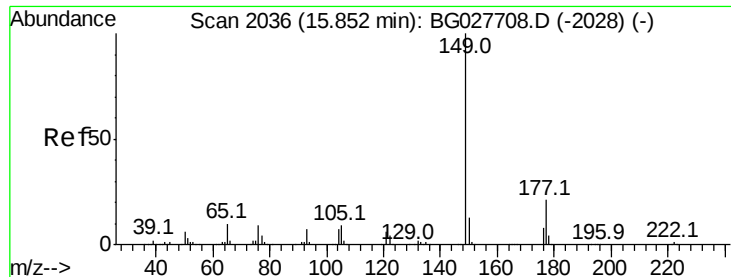
130 3.0 2.3 3.5

166 28.2 24.2 36.4



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

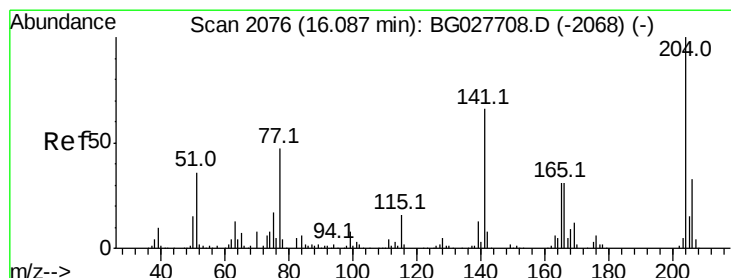
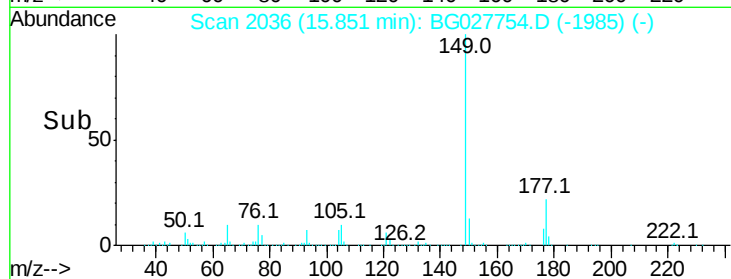
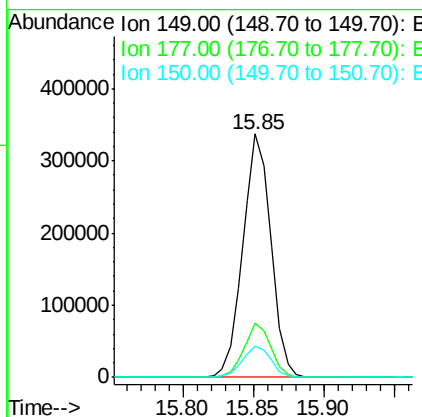
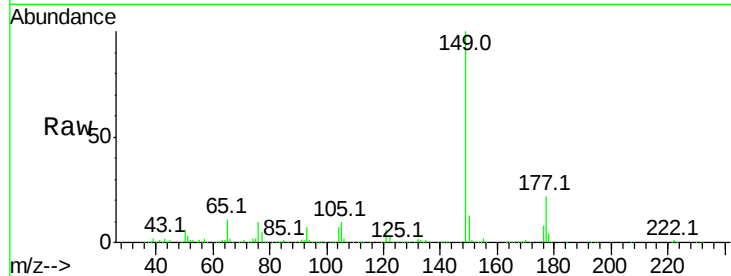




#59  
Diethylphthalate  
Concen: 45.77 ng  
RT: 15.85 min Scan# 2036  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

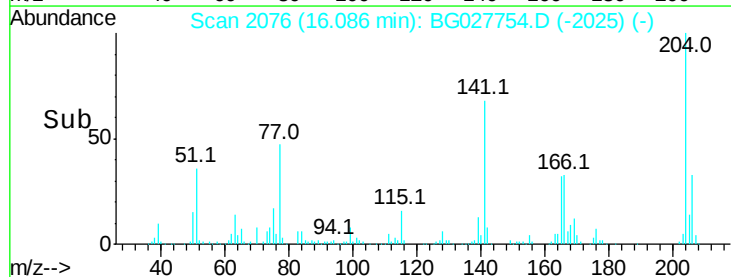
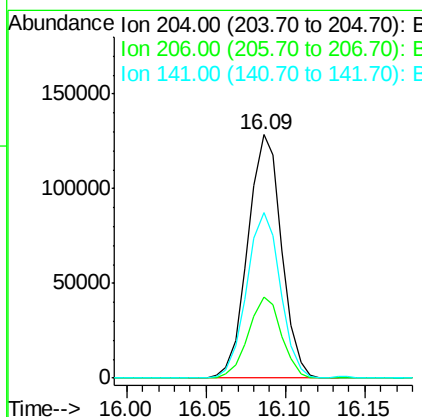
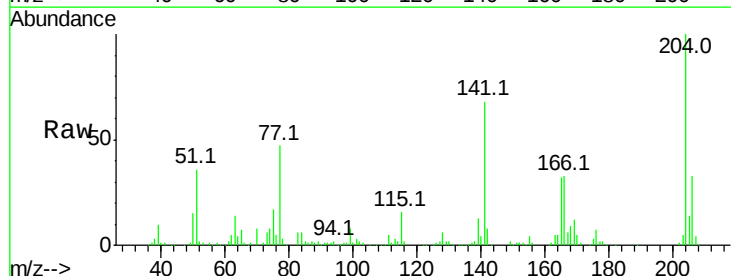
Instrument :  
BNA\_G  
ClientSampleId :

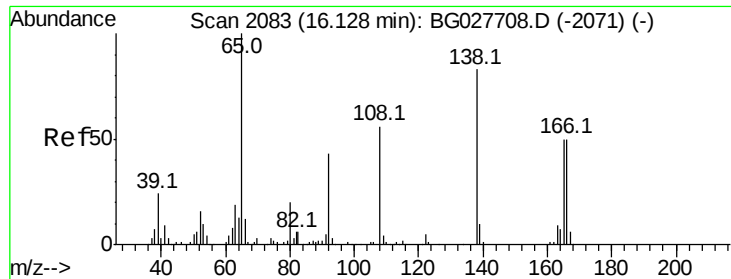
Tot Ion:149 Resp: 468037  
Ion Ratio Lower Upper  
149 100  
177 22.1 20.1 30.1  
150 12.8 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 43.56 ng  
RT: 16.09 min Scan# 2076  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

Tgt Ion:204 Resp: 189777  
Ion Ratio Lower Upper  
204 100  
206 33.5 30.1 45.1  
141 68.2 50.6 76.0





#61

4-Nitroaniline

Concen: 48.32 ng

RT: 16.13 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

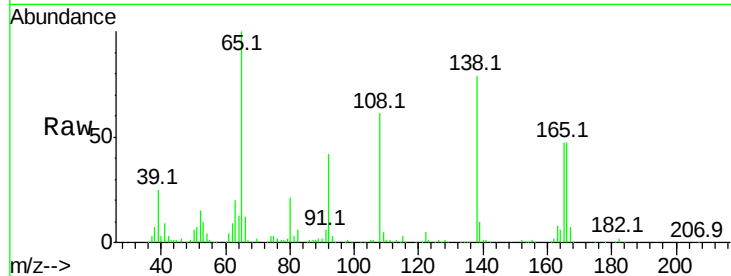
Tot Ion:138 Resp: 118898

Ion Ratio Lower Upper

138 100

92 52.8 44.2 84.2

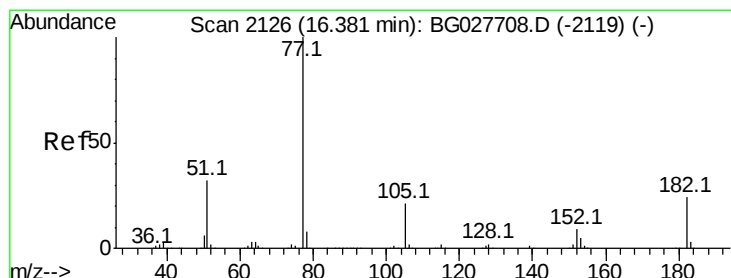
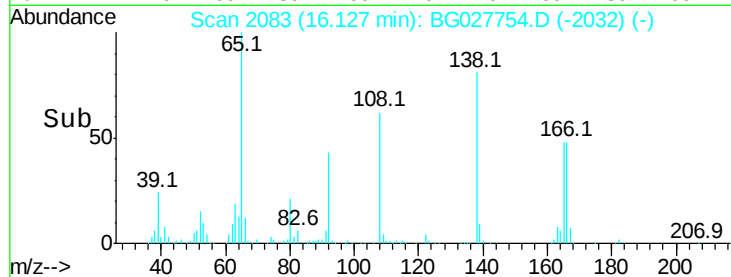
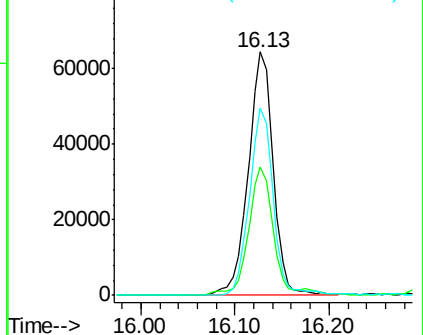
108 76.7 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.37 ng

RT: 16.38 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Tgt Ion: 77 Resp: 416656

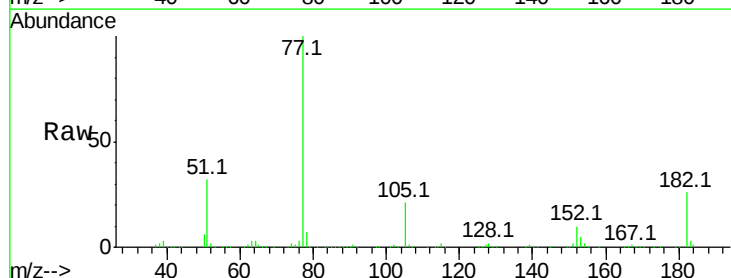
Ion Ratio Lower Upper

77 100

182 26.0 4.7 44.7

105 21.0 0.0 36.3

51 31.8 16.4 56.4

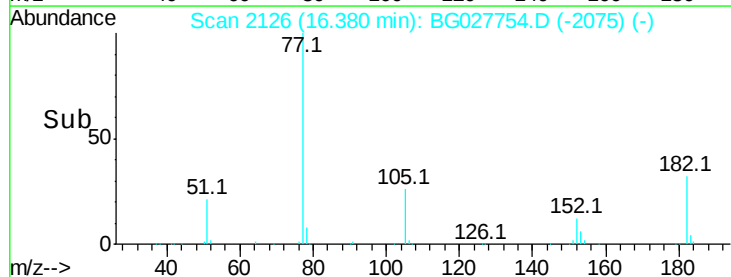
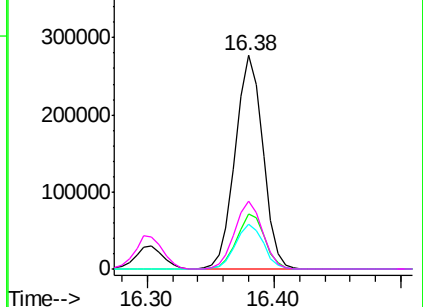


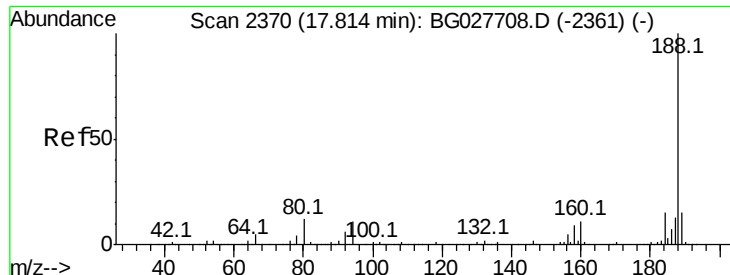
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

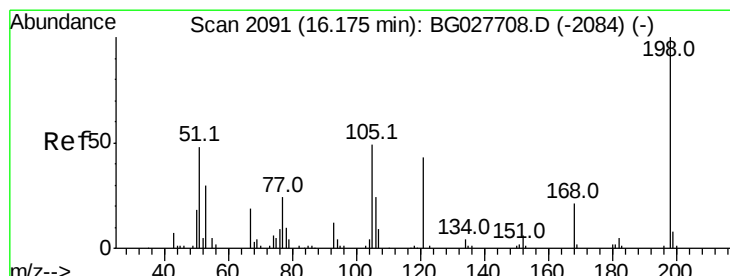
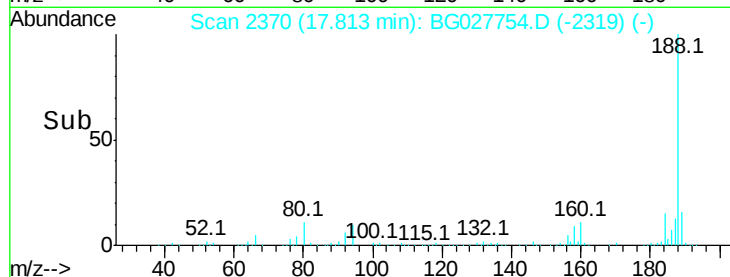
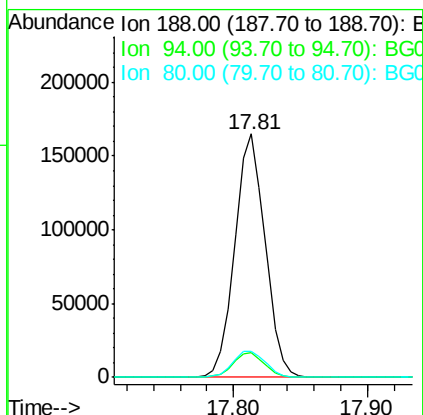
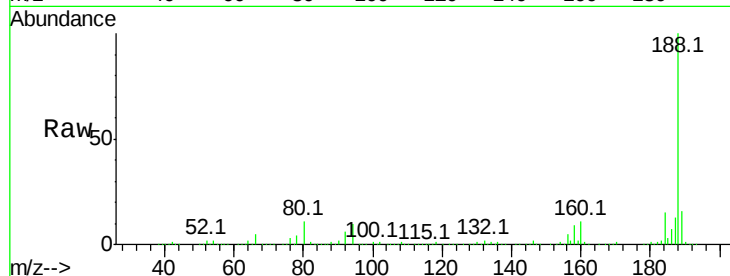




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.81 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

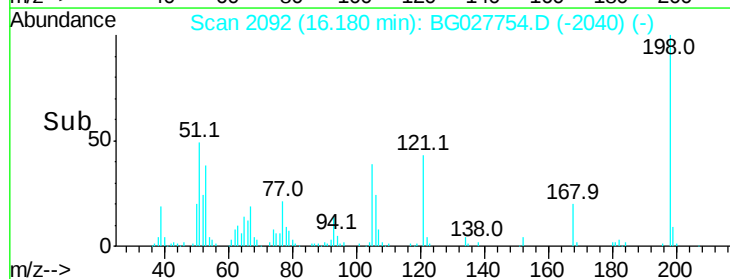
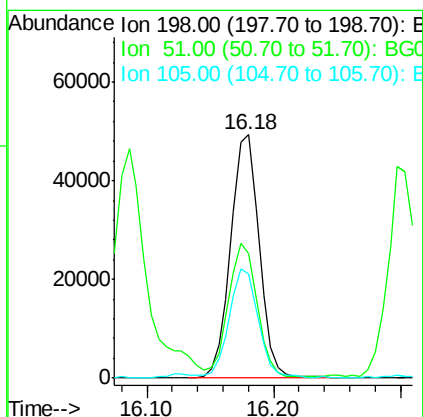
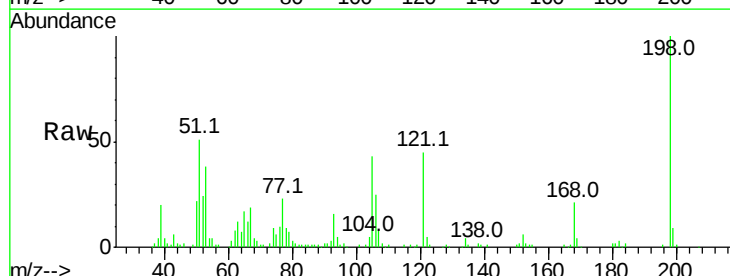
Instrument :  
 BNA\_G  
 ClientSampleId :

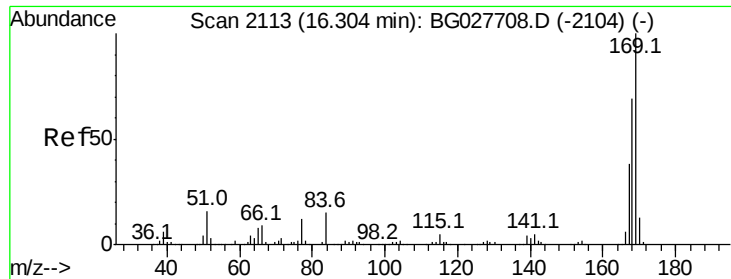
Tot Ion:188 Resp: 259172  
 Ion Ratio Lower Upper  
 188 100  
 94 10.4 5.8 8.8#  
 80 10.6 7.5 11.3



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 47.54 ng  
 RT: 16.18 min Scan# 2092  
 Delta R.T. 0.01 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Tgt Ion:198 Resp: 76760  
 Ion Ratio Lower Upper  
 198 100  
 51 51.0 22.6 62.6  
 105 42.8 14.4 54.4





#65

n-Nitrosodiphenylamine

Concen: 45.76 ng

RT: 16.30 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

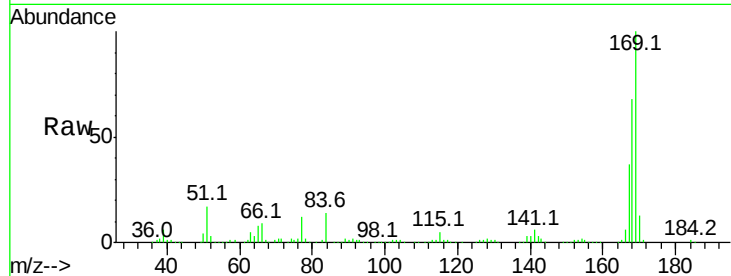
Tot Ion:169 Resp: 385767

Ion Ratio Lower Upper

169 100

168 67.6 55.7 83.5

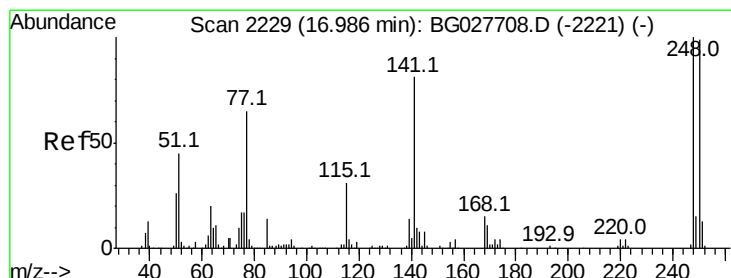
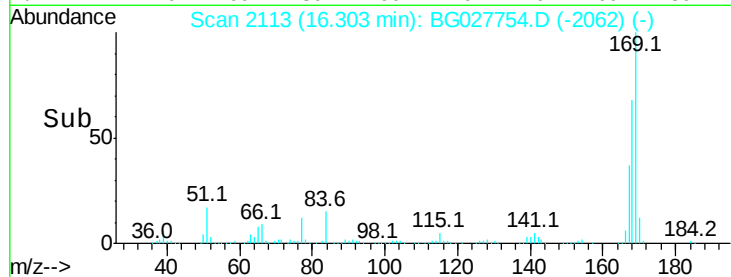
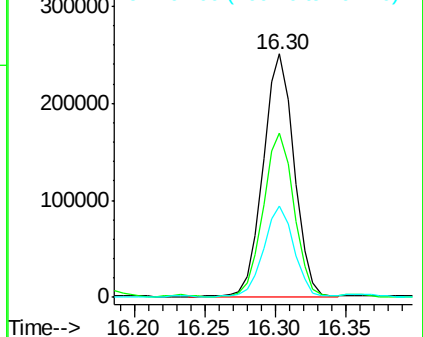
167 37.4 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.91 ng

RT: 16.98 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

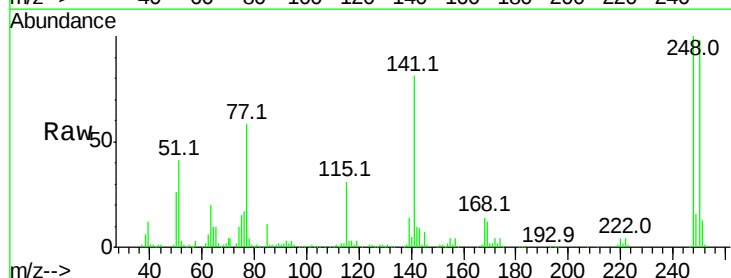
Tgt Ion:248 Resp: 127167

Ion Ratio Lower Upper

248 100

250 97.7 75.0 112.6

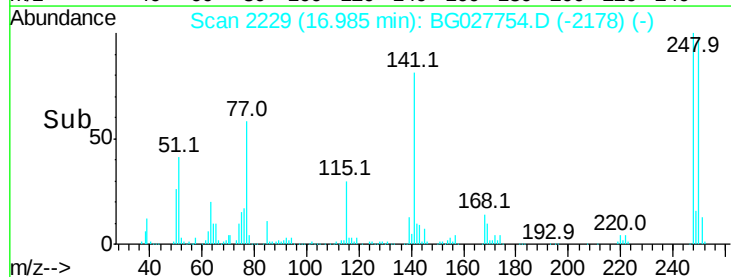
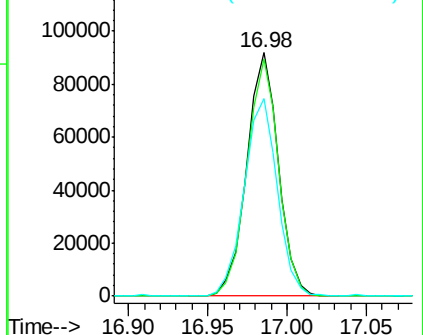
141 81.1 55.2 82.8



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 46.24 ng

RT: 17.11 min Scan# 2251

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampled :

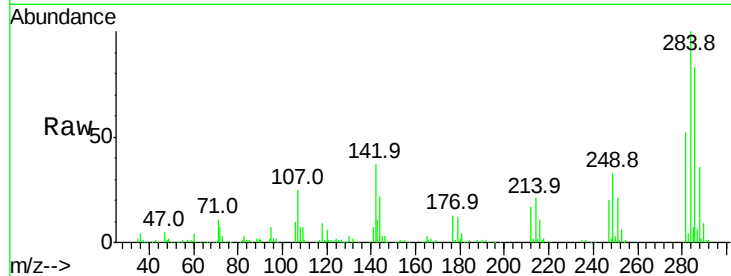
Tot Ion:284 Resp: 132729

Ion Ratio Lower Upper

284 100

142 37.2 29.9 44.9

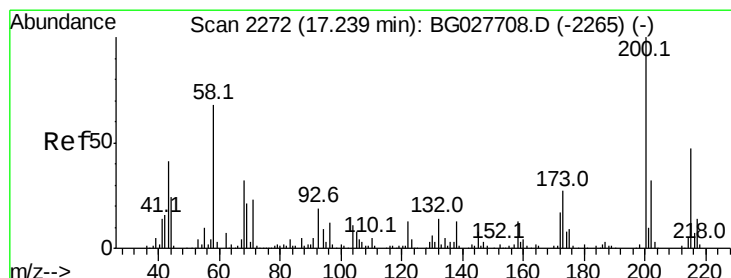
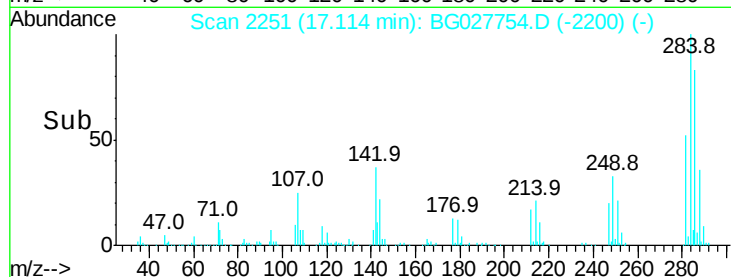
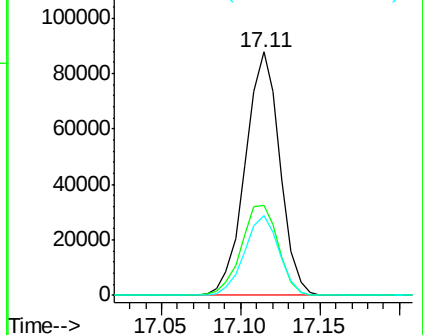
249 32.7 29.2 43.8



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 50.81 ng

RT: 17.24 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

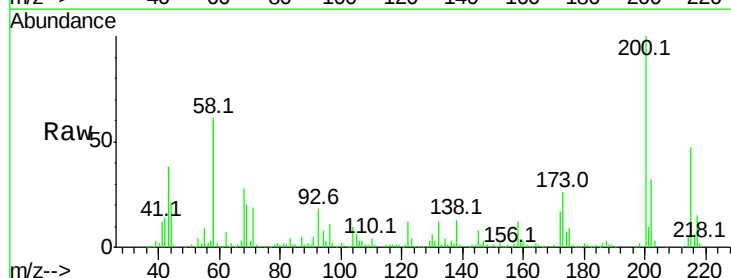
Tgt Ion:200 Resp: 135236

Ion Ratio Lower Upper

200 100

173 26.1 3.0 43.0

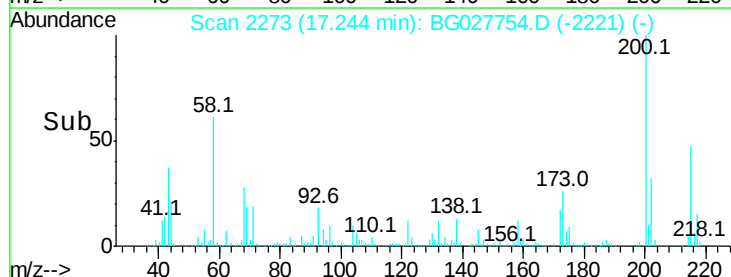
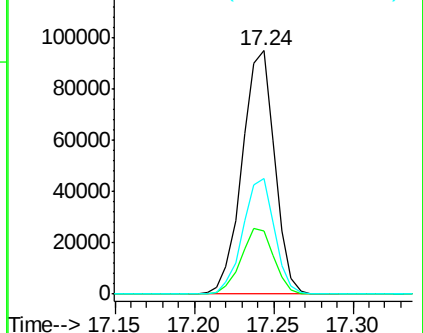
215 47.3 28.4 68.4

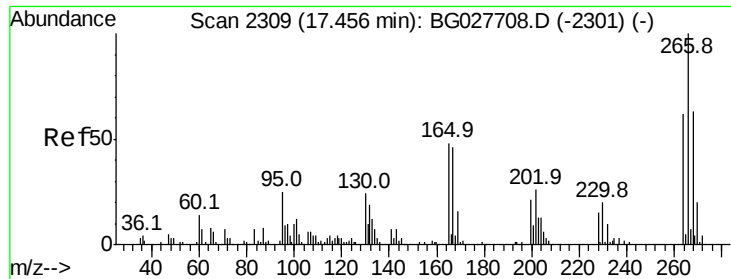


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

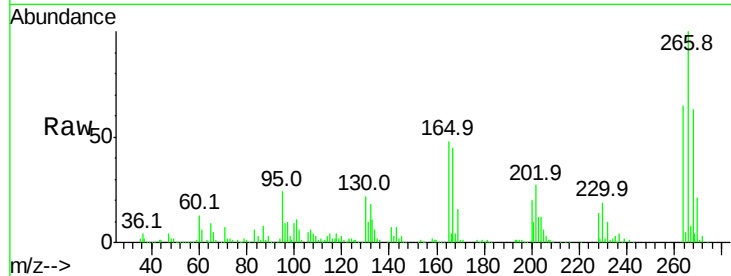




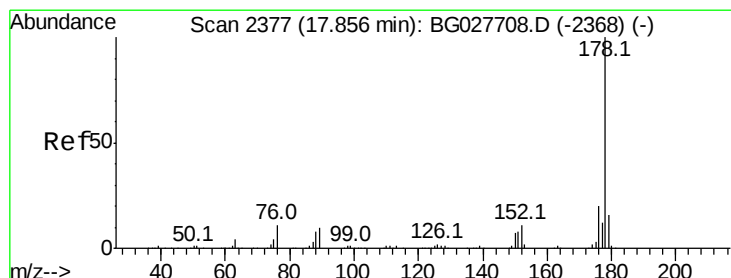
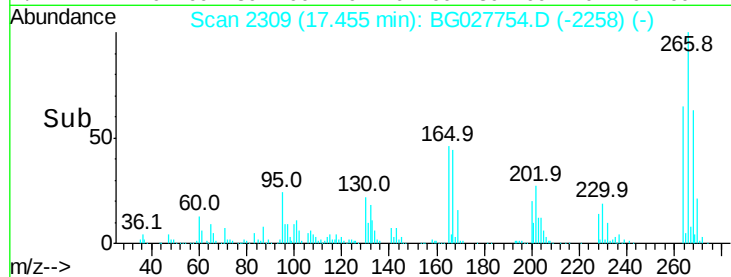
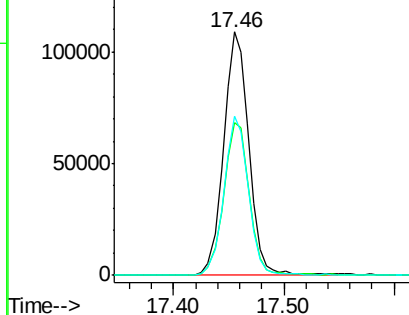
#69  
 Pentachlorophenol  
 Concen: 93.61 ng  
 RT: 17.46 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.6  | 48.6  | 72.8  |
| 264     | 65.2  | 50.1  | 75.1  |

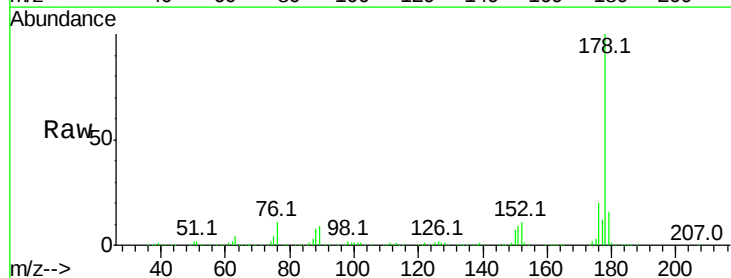


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

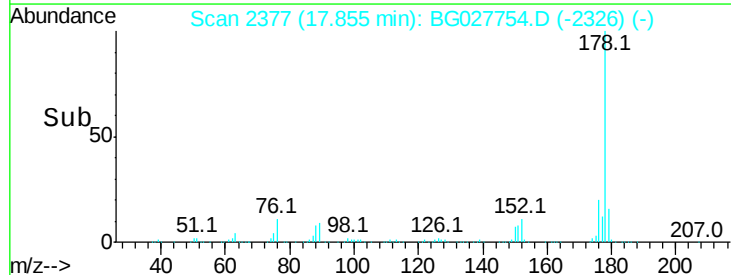
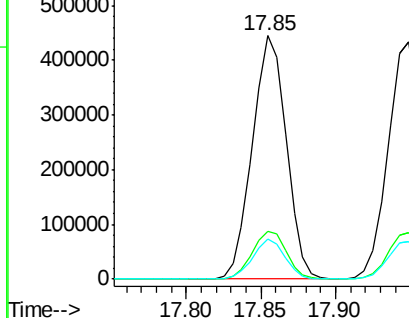


#70  
 Phenanthrene  
 Concen: 46.72 ng  
 RT: 17.85 min Scan# 2377  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 17.7  | 26.5  |
| 179     | 16.2  | 15.0  | 22.6  |



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

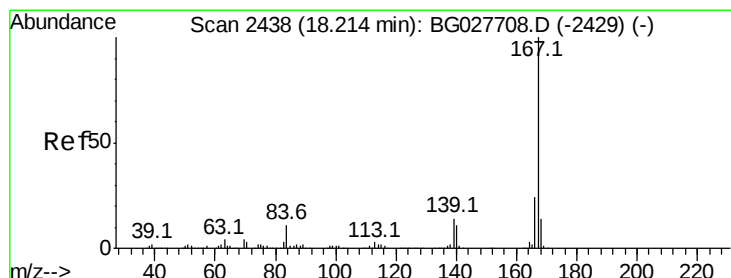
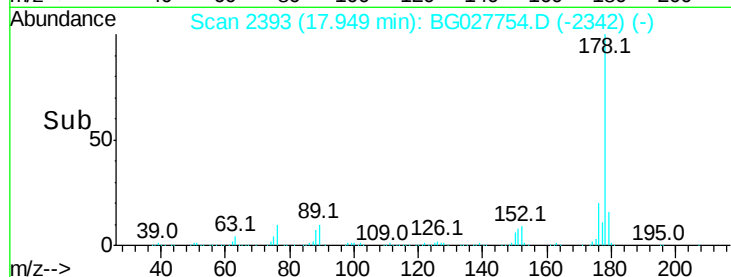
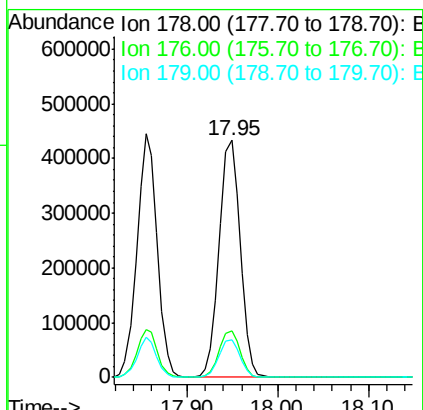
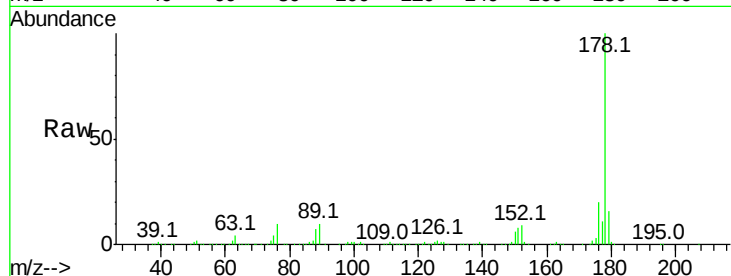




#71  
 Anthracene  
 Concen: 46.08 ng  
 RT: 17.95 min Scan# 2393  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

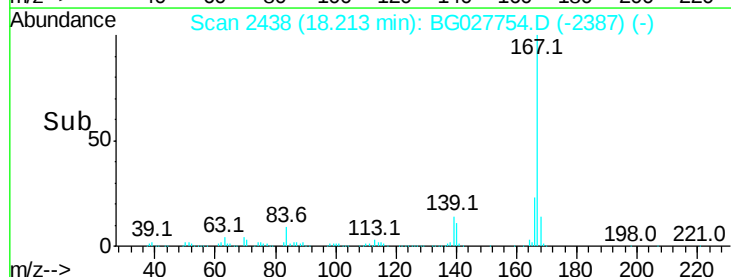
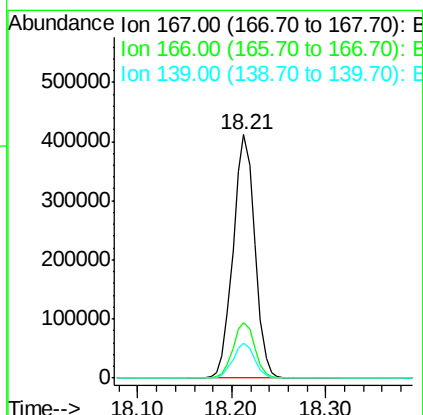
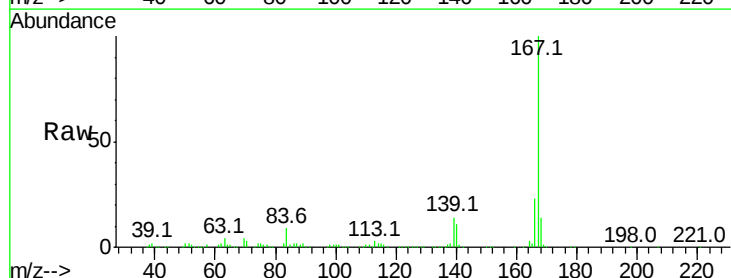
Instrument :  
 BNA\_G  
 ClientSampled :

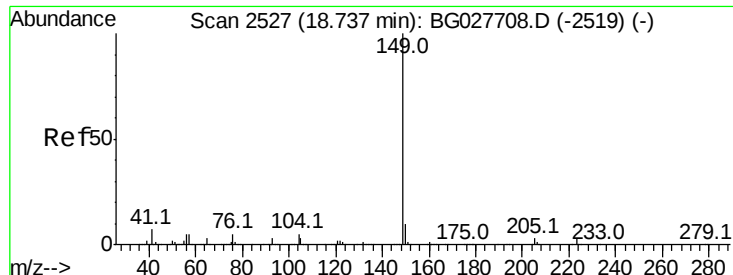
Tot Ion:178 Resp: 696250  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.4 24.6  
 179 16.0 13.8 20.8



#72  
 Carbazole  
 Concen: 44.32 ng  
 RT: 18.21 min Scan# 2438  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Tgt Ion:167 Resp: 659461  
 Ion Ratio Lower Upper  
 167 100  
 166 22.9 20.2 30.2  
 139 14.2 12.8 19.2

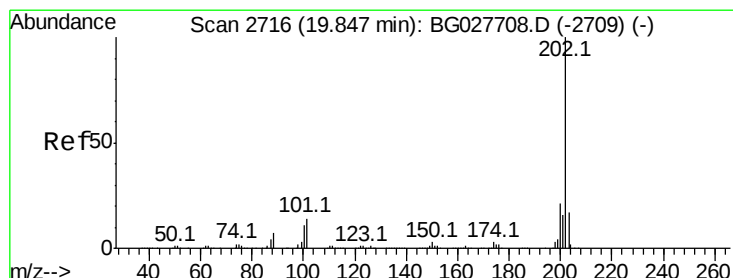
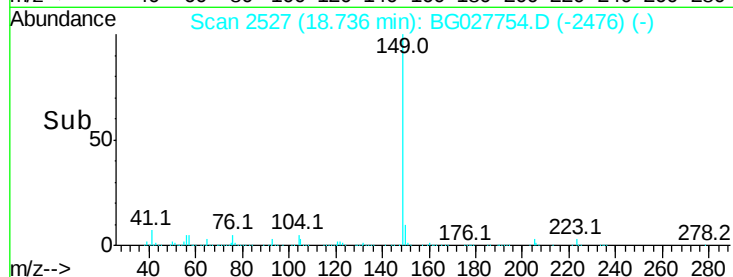
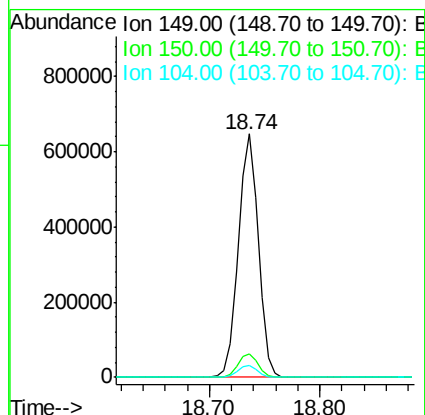
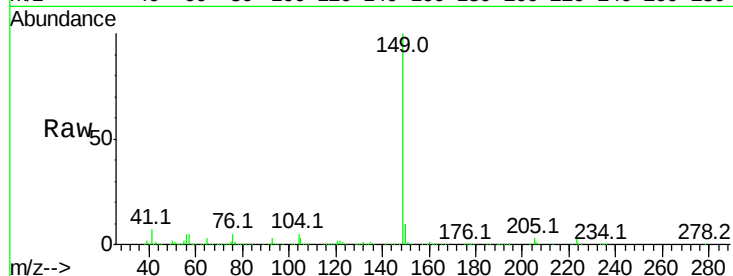




#73  
Di-n-butylphthalate  
Concen: 50.35 ng  
RT: 18.74 min Scan# 2527  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

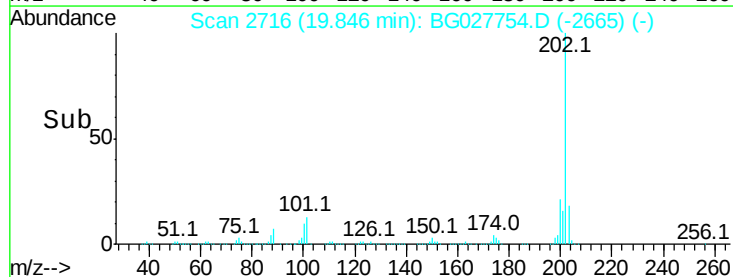
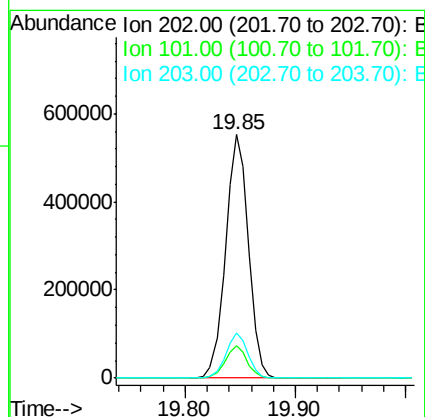
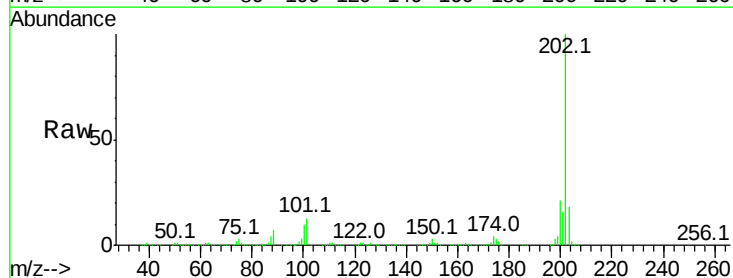
Instrument :  
BNA\_G  
ClientSampleId :

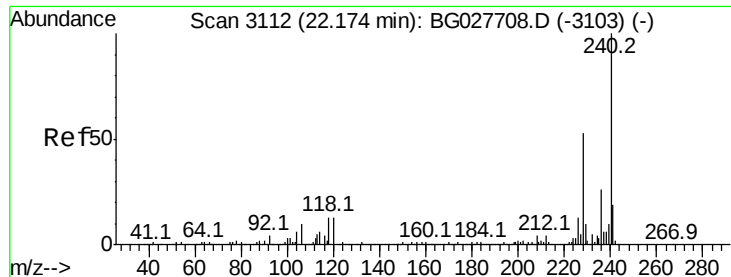
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.6   | 9.1   | 13.7  |
| 104     | 5.0   | 6.7   | 10.1  |



#74  
Fluoranthene  
Concen: 48.59 ng  
RT: 19.85 min Scan# 2716  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.1  | 0.0   | 30.1  |
| 203     | 18.4  | 1.3   | 41.3  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.17 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

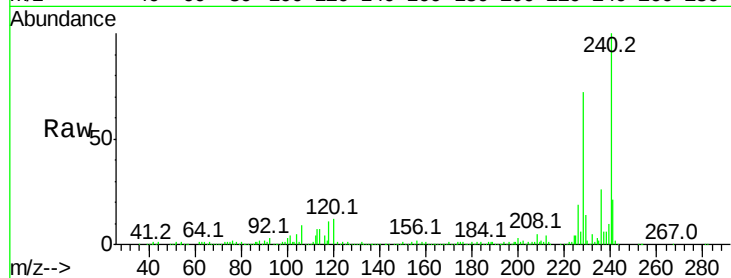
Tot Ion:240 Resp: 282088

Ion Ratio Lower Upper

240 100

120 12.2 5.7 8.5#

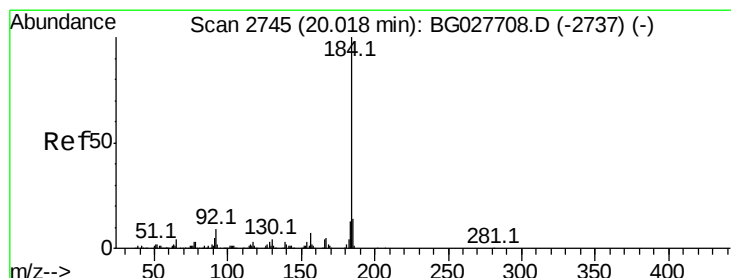
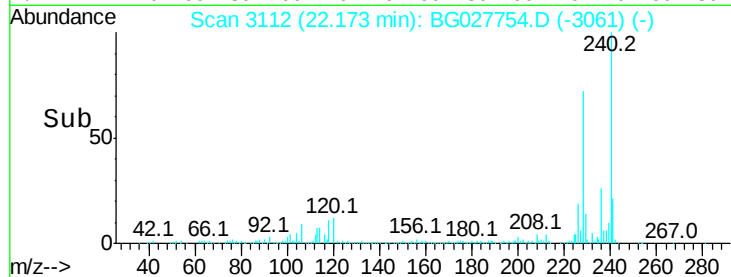
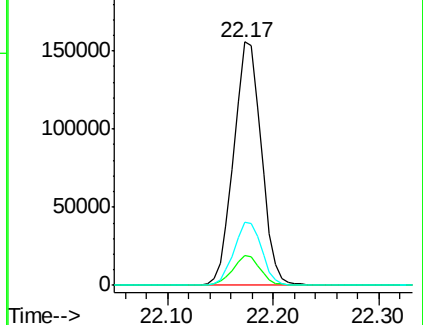
236 25.7 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 49.87 ng

RT: 20.02 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

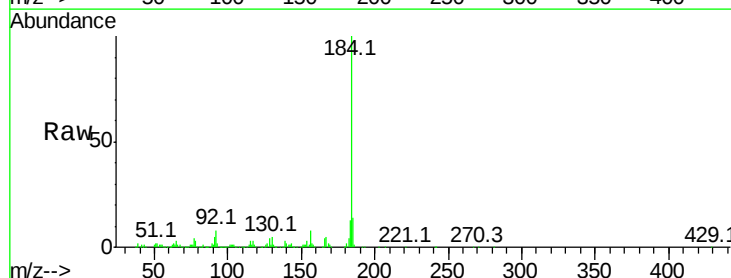
Tgt Ion:184 Resp: 335757

Ion Ratio Lower Upper

184 100

185 13.9 13.0 19.6

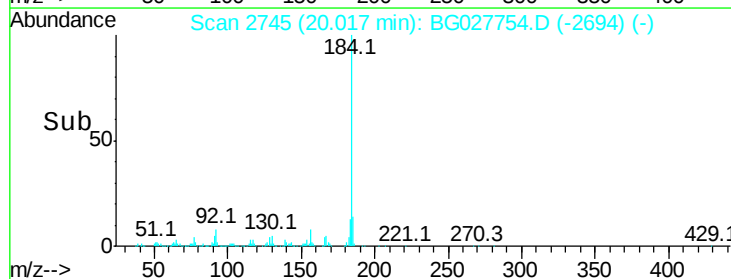
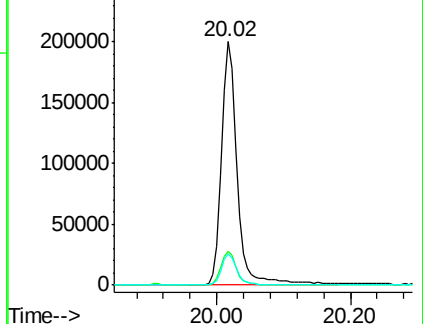
183 12.6 11.0 16.6

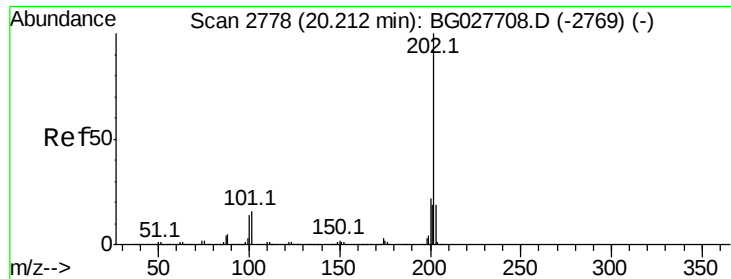


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

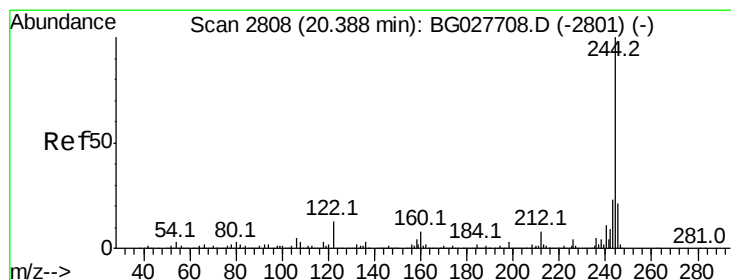
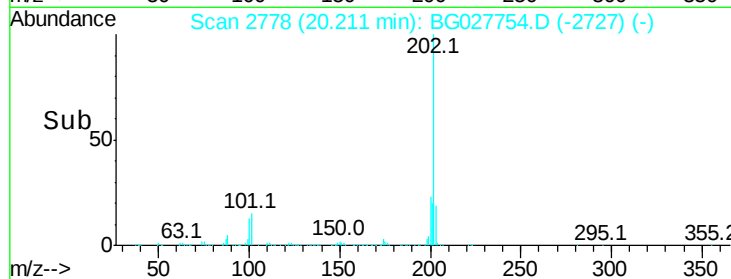
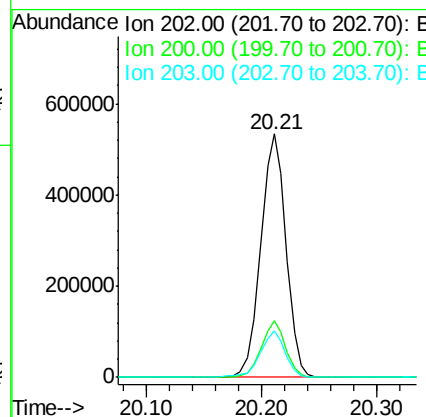
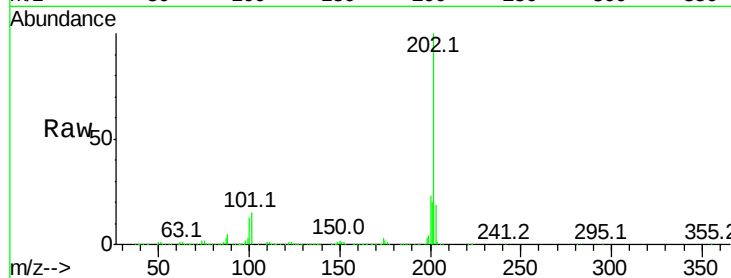




#77  
Pvrene  
Concen: 45.94 ng  
RT: 20.21 min Scan# 2778  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

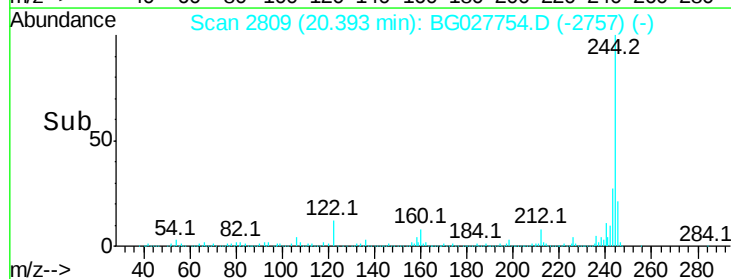
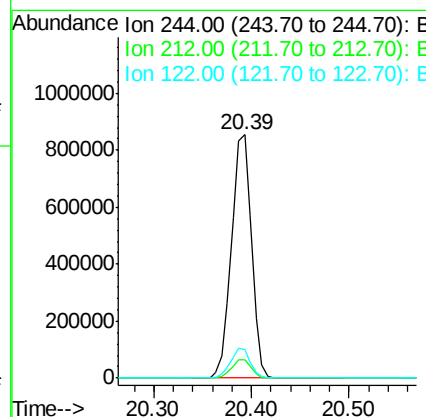
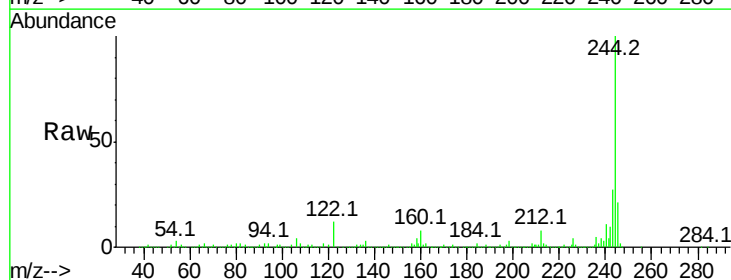
Instrument :  
BNA\_G  
ClientSampleId :

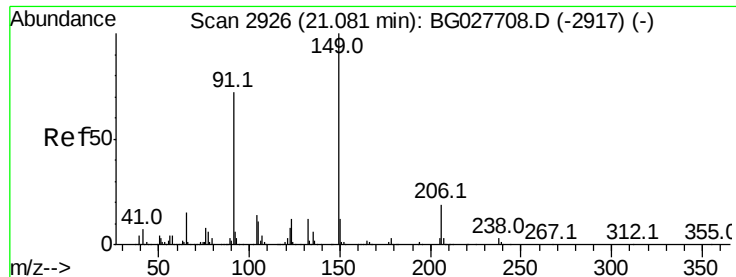
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.1  | 19.6  | 29.4  |
| 203     | 19.1  | 15.8  | 23.8  |



#78  
Terphenyl-d14  
Concen: 101.45 ng  
RT: 20.39 min Scan# 2809  
Delta R.T. 0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.6   | 10.0  | 15.0# |
| 122     | 11.7  | 8.6   | 12.8  |

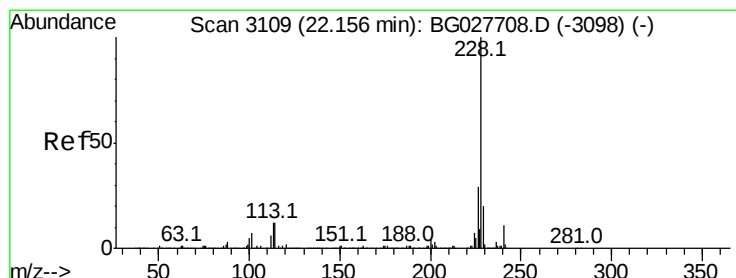
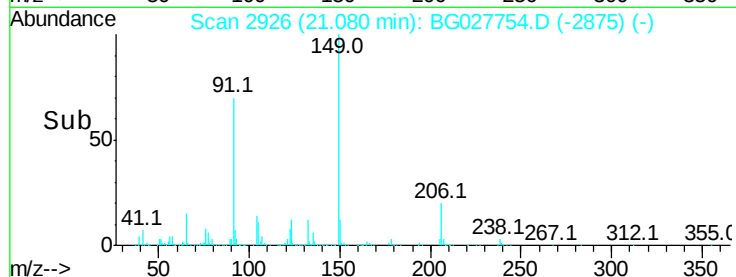
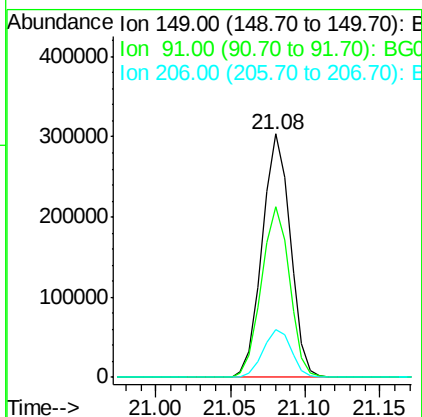
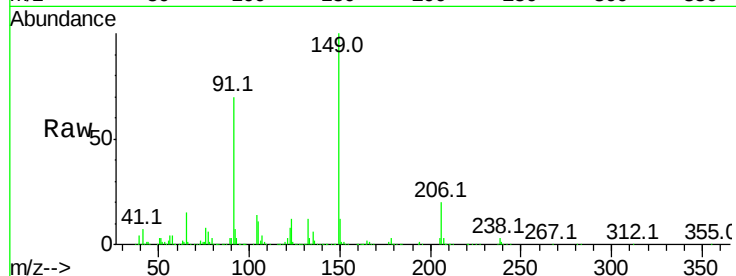




#79  
Butylbenzylphthalate  
Concen: 49.59 ng  
RT: 21.08 min Scan# 2926  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

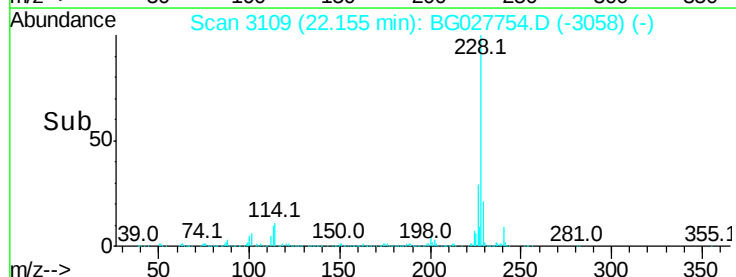
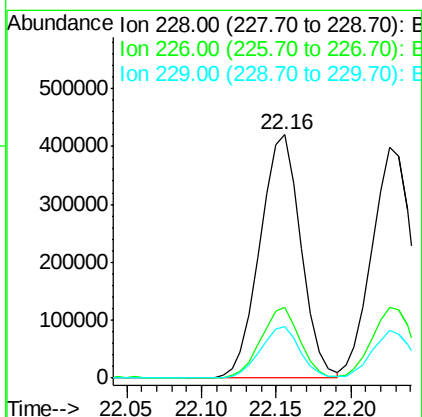
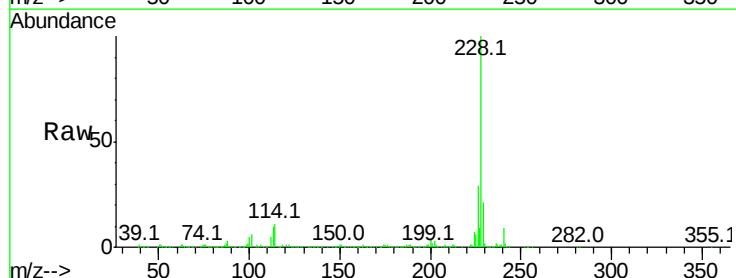
Instrument :  
BNA\_G  
ClientSampleId :

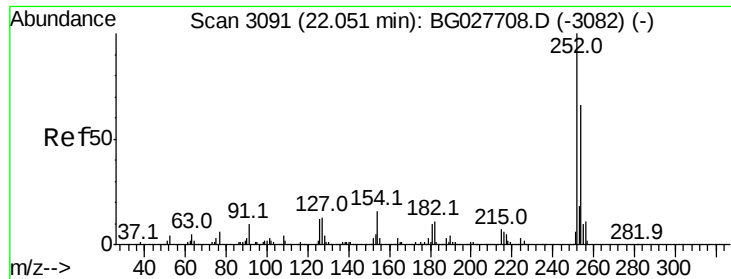
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 69.9  | 63.5  | 95.3  |
| 206     | 19.5  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 46.97 ng  
RT: 22.16 min Scan# 3109  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.9  | 24.9  | 37.3  |
| 229     | 21.0  | 18.2  | 27.2  |

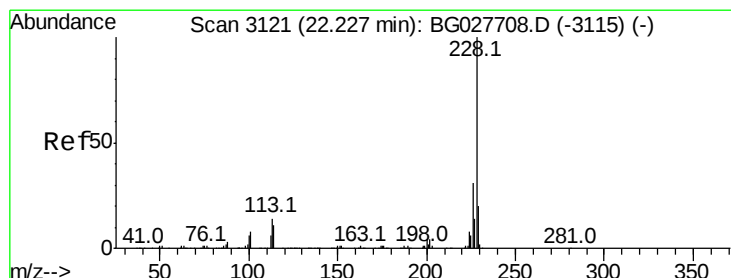
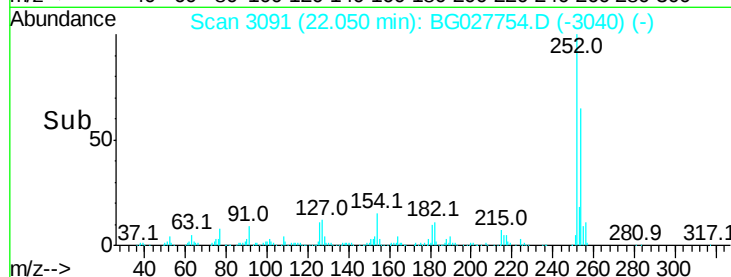
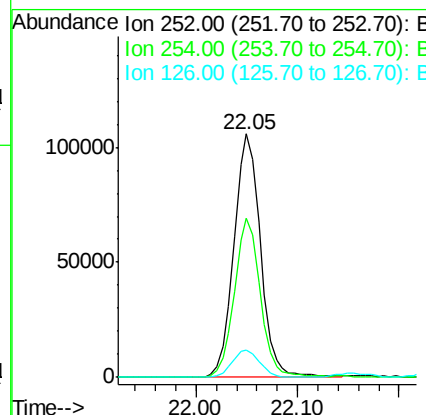
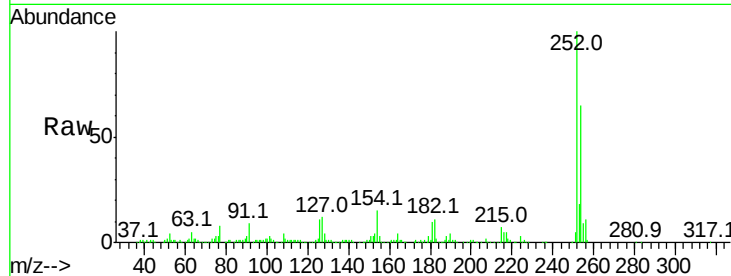




#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.18 ng  
 RT: 22.05 min Scan# 3091  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

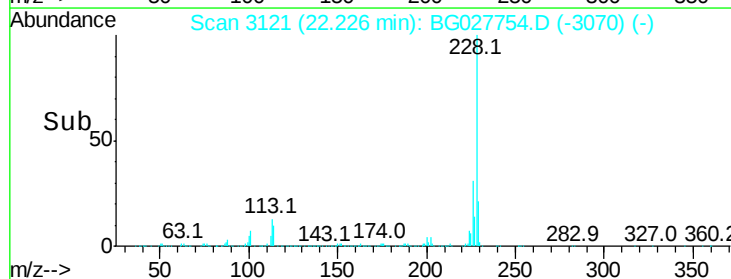
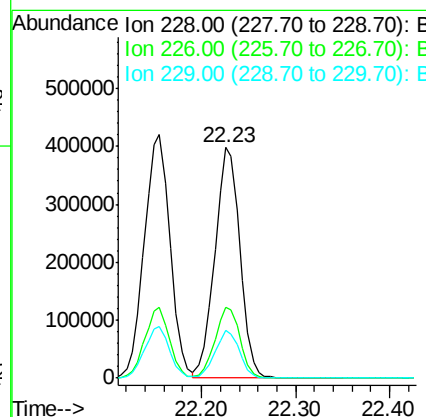
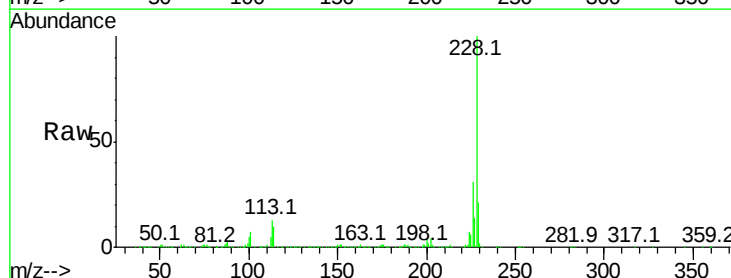
Instrument :  
 BNA\_G  
 ClientSampleId :

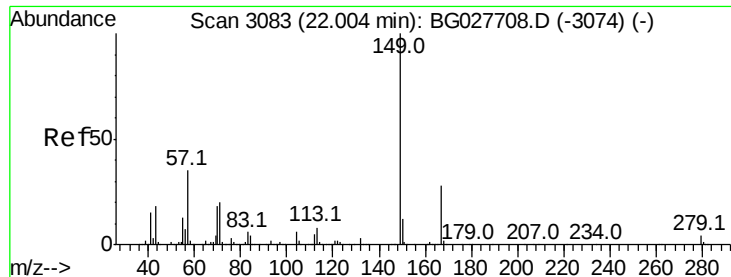
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.3  | 53.1  | 79.7  |
| 126     | 11.2  | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 46.37 ng  
 RT: 22.23 min Scan# 3121  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 27.0  | 40.4  |
| 229     | 20.6  | 17.8  | 26.6  |

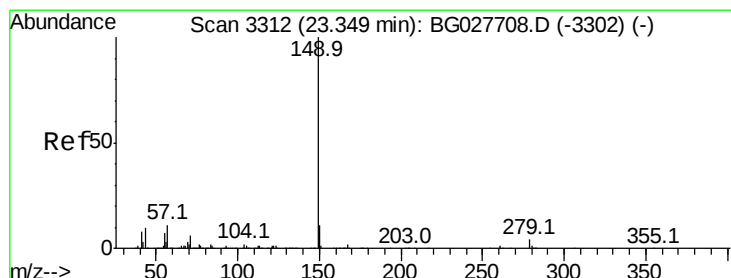
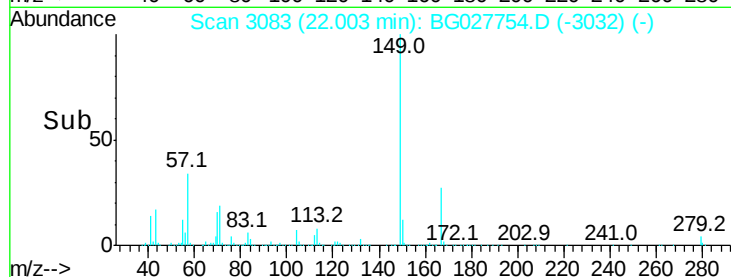
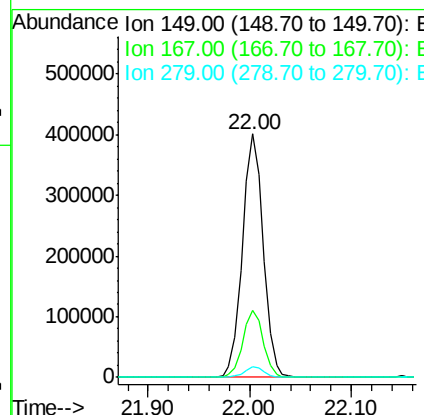
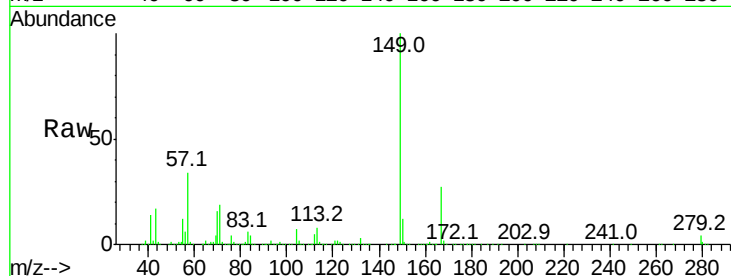




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.98 ng  
 RT: 22.00 min Scan# 3083  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

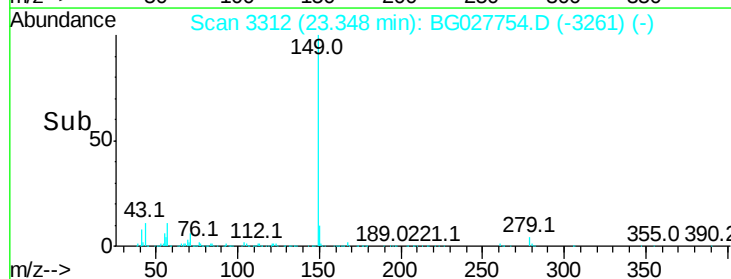
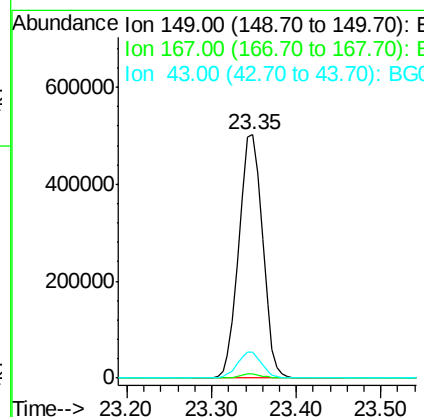
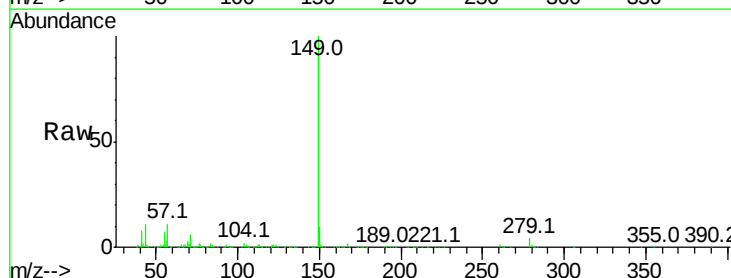
Instrument :  
 BNA\_G  
 ClientSampleId :

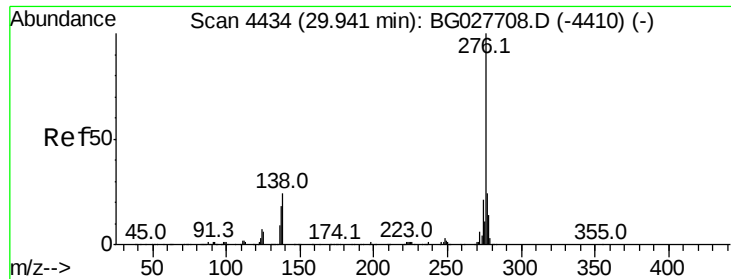
Tot Ion:149 Resp: 570648  
 Ion Ratio Lower Upper  
 149 100  
 167 27.3 23.7 35.5  
 279 4.2 4.6 6.8#



#84  
 Di-n-octyl phthalate  
 Concen: 50.36 ng  
 RT: 23.35 min Scan# 3312  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Tgt Ion:149 Resp: 969464  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.4 2.2  
 43 10.8 11.8 17.6#

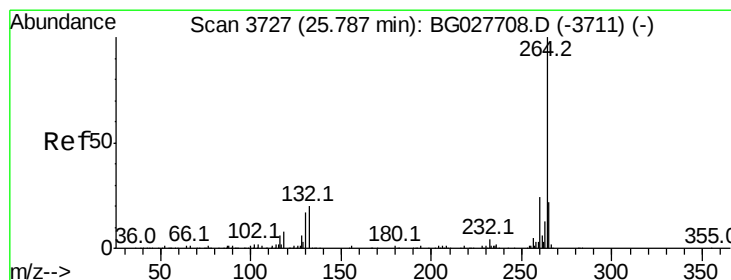
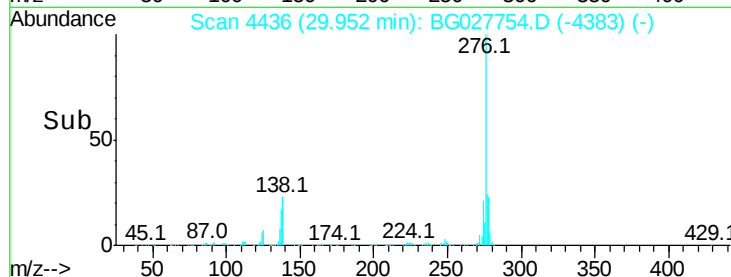
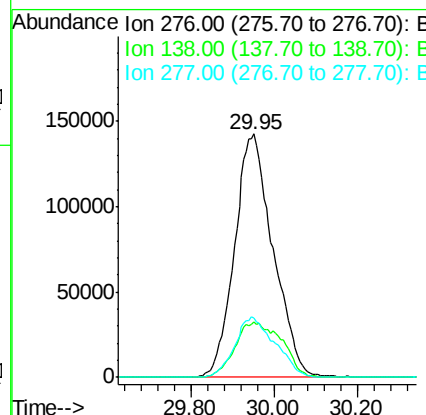
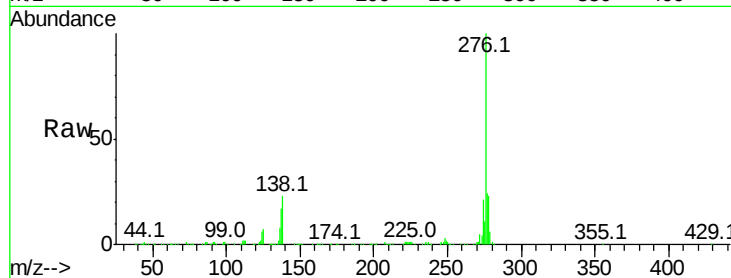




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 50.09 ng  
 RT: 29.95 min Scan# 4436  
 Delta R.T. 0.01 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

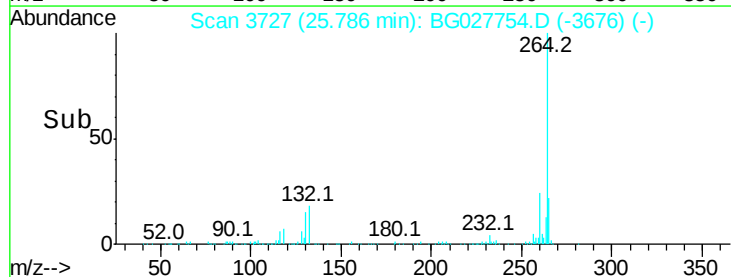
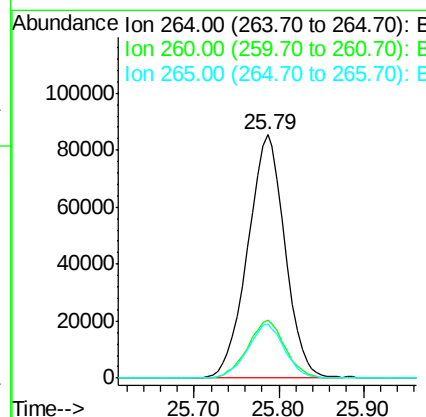
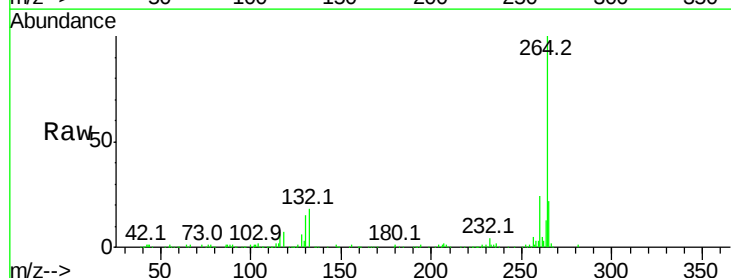
Instrument :  
 BNA\_G  
 ClientSampleId :

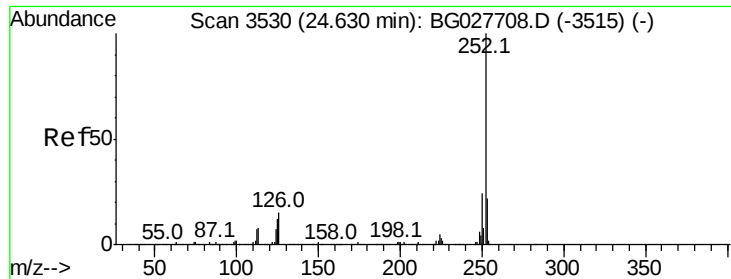
Tot Ion:276 Resp: 915169  
 Ion Ratio Lower Upper  
 276 100  
 138 27.7 4.7 7.1#  
 277 26.1 20.6 31.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.79 min Scan# 3727  
 Delta R.T. -0.00 min  
 Lab File: BG027754.D  
 Acq: 29 Jun 2017 23:49

Tgt Ion:264 Resp: 261467  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 21.8 32.8  
 265 22.4 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 48.21 ng

RT: 24.63 min Scan# 3530

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

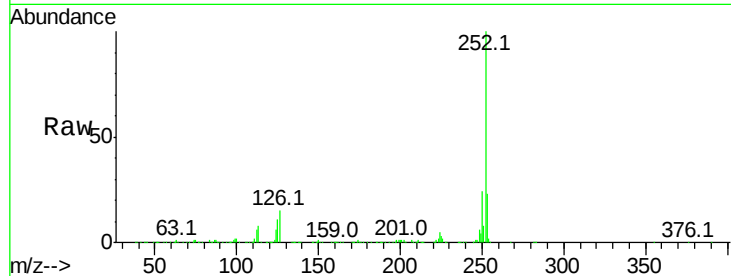
Tot Ion:252 Resp: 812050

Ion Ratio Lower Upper

252 100

253 23.0 18.7 28.1

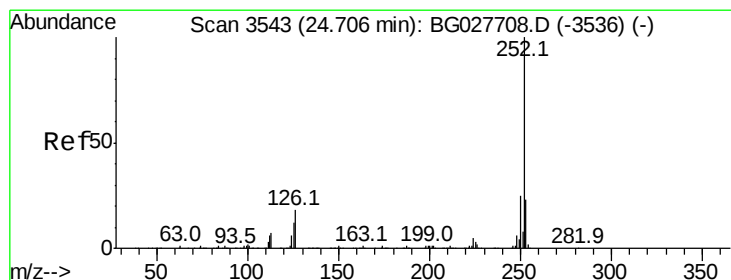
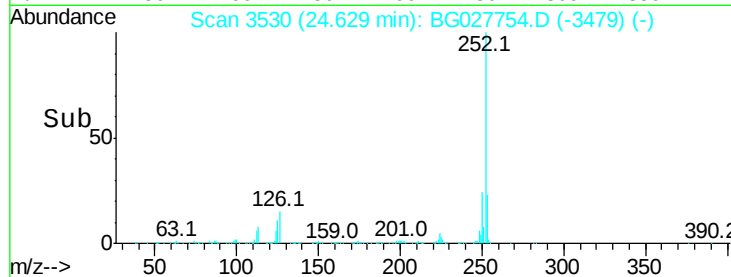
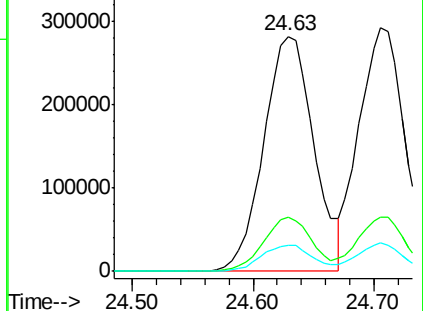
125 10.9 5.3 7.9#



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



#88

Benzo(k)fluoranthene

Concen: 46.20 ng

RT: 24.71 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

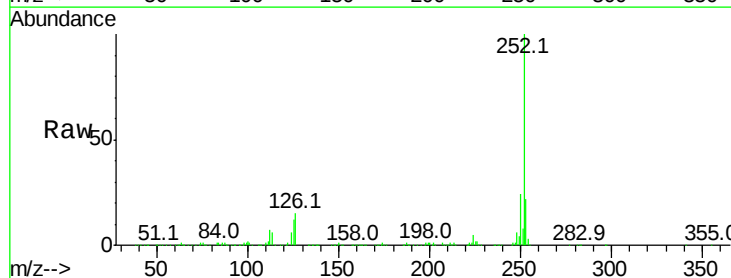
Tgt Ion:252 Resp: 769276

Ion Ratio Lower Upper

252 100

253 22.3 20.2 30.2

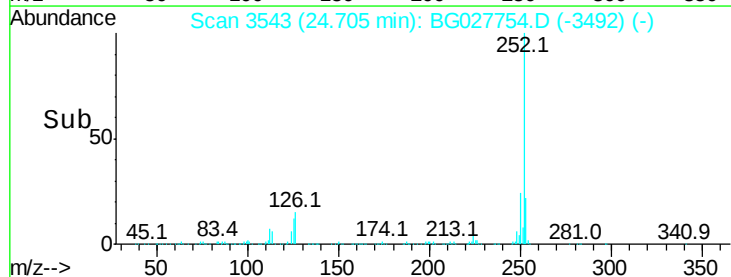
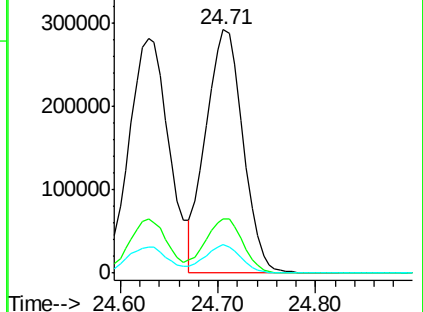
125 11.6 5.1 7.7#

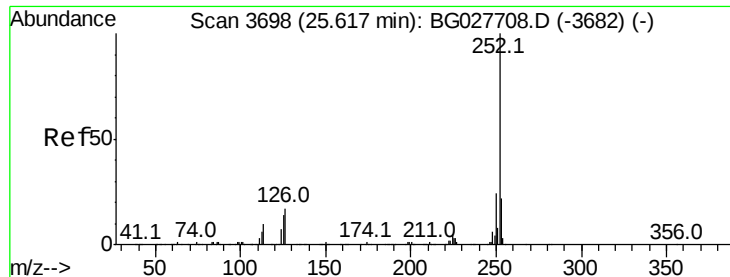


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

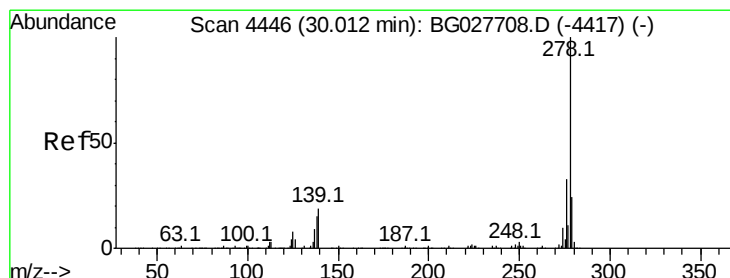
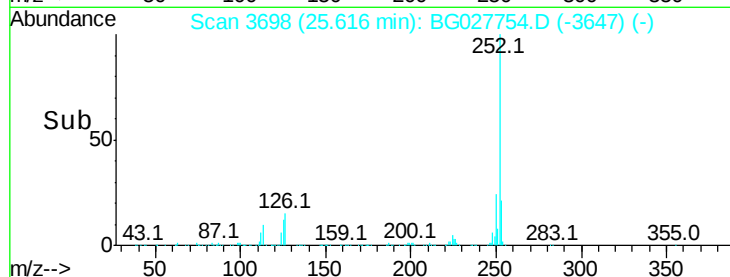
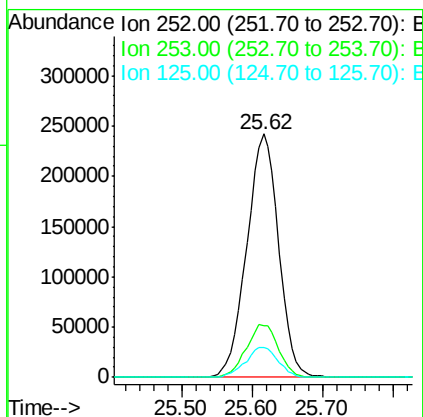
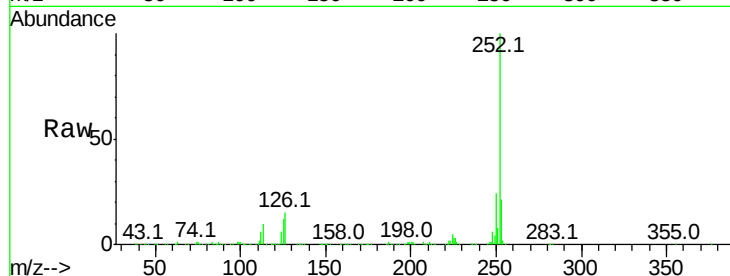




#89  
Benzo(a)pyrene  
Concen: 48.13 ng  
RT: 25.62 min Scan# 3698  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

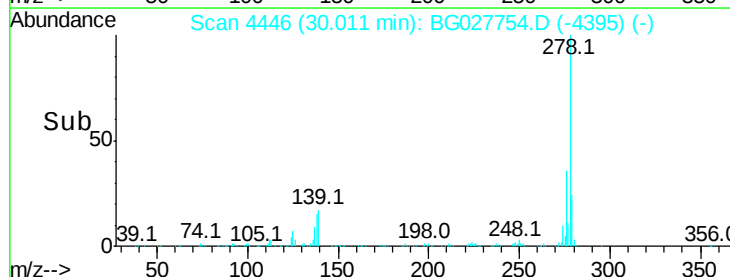
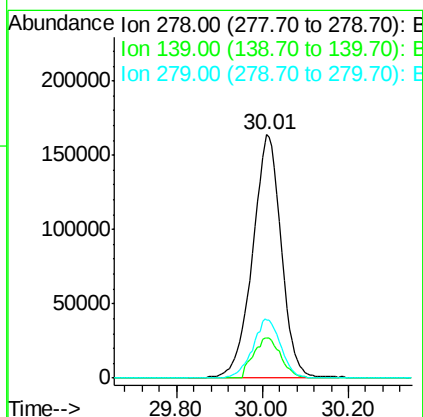
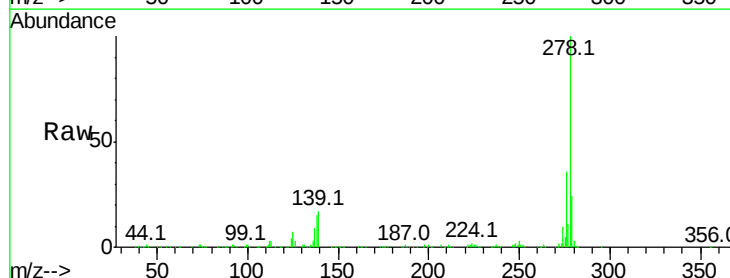
Instrument :  
BNA\_G  
ClientSampleId :

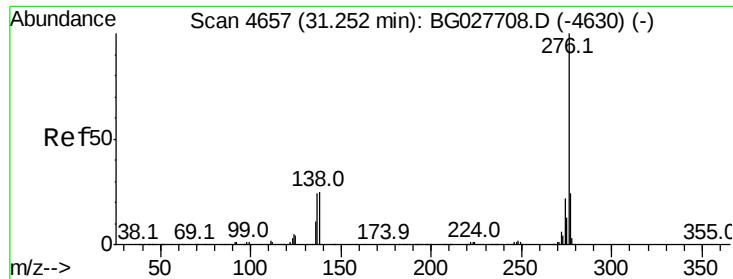
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.2  | 19.2  | 28.8  |
| 125     | 12.4  | 5.4   | 8.0#  |



#90  
Dibenzo(a,h)anthracene  
Concen: 48.62 ng  
RT: 30.01 min Scan# 4446  
Delta R.T. -0.00 min  
Lab File: BG027754.D  
Acq: 29 Jun 2017 23:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.5  | 7.7   | 11.5# |
| 279     | 24.1  | 19.1  | 28.7  |





#91

Benzo(a,h,i)perylene

Concen: 47.79 ng

RT: 31.26 min Scan# 4658

Delta R.T. 0.00 min

Lab File: BG027754.D

Acq: 29 Jun 2017 23:49

Instrument :

BNA\_G

ClientSampleId :

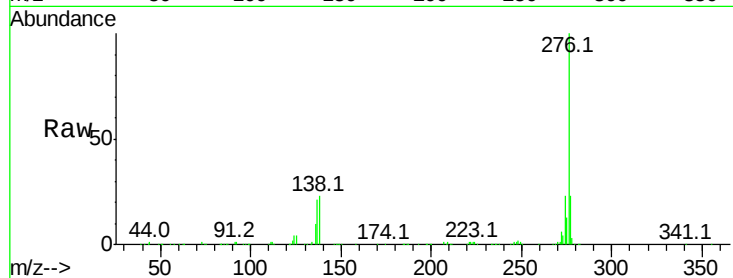
Tot Ion:276 Resp: 735477

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 22.9 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

