

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060617\  
 Data File : BG027244.D  
 Acq On : 6 Jun 2017 11:39  
 Operator : SJ/MA  
 Sample : I3436-08MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 06 18:04:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:00:35 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.57  | 152  | 49300    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.39 | 136  | 242091   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.15 | 164  | 161509   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.90 | 188  | 380507   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 22.29 | 240  | 428373   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 25.98 | 264  | 397699   | 20.00 | ng    | -0.04    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 6.15  | 112 | 515978  | 159.71 | ng | 0.00  |
| 7) Phenol-d6                | 7.70  | 99  | 739021  | 155.83 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.73  | 82  | 403295  | 104.77 | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 16.64 | 330 | 327067  | 153.78 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 13.78 | 172 | 1005645 | 87.11  | ng | -0.02 |
| 78) Terphenyl-d14           | 20.48 | 244 | 1454575 | 86.62  | ng | -0.02 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 4.16  | 88  | 51090  | 38.14 | ng | # 77   |
| 3) Pyridine                    | 4.54  | 79  | 146572 | 35.49 | ng | # 74   |
| 4) n-Nitrosodimethylamine      | 4.45  | 42  | 68945  | 45.09 | ng | # 50   |
| 6) Aniline                     | 7.89  | 93  | 126702 | 21.22 | ng | 92     |
| 8) 2-Chlorophenol              | 8.13  | 128 | 180254 | 52.84 | ng | 89     |
| 9) Benzaldehyde                | 7.71  | 77  | 105634 | 32.22 | ng | 84     |
| 10) Phenol                     | 7.73  | 94  | 261496 | 53.92 | ng | # 75   |
| 11) bis(2-Chloroethyl)ether    | 7.98  | 93  | 174793 | 43.93 | ng | # 81   |
| 12) 1,3-Dichlorobenzene        | 8.46  | 146 | 166730 | 43.33 | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 8.60  | 146 | 172390 | 43.65 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.92  | 146 | 167664 | 43.53 | ng | 91     |
| 15) Benzyl Alcohol             | 8.79  | 79  | 175916 | 52.65 | ng | # 85   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.08  | 45  | 254598 | 44.72 | ng | 92     |
| 17) 2-Methylphenol             | 8.98  | 107 | 172805 | 50.41 | ng | # 85   |
| 18) Hexachloroethane           | 9.66  | 117 | 59696  | 44.88 | ng | 88     |
| 19) n-Nitroso-di-n-propylamine | 9.36  | 70  | 151951 | 45.80 | ng | # 83   |
| 20) 3+4-Methylphenols          | 9.30  | 107 | 241402 | 50.83 | ng | 89     |
| 22) Acetophenone               | 9.39  | 105 | 280785 | 45.35 | ng | # 83   |
| 24) Nitrobenzene               | 9.77  | 77  | 211886 | 48.31 | ng | # 86   |
| 25) Isophorone                 | 10.30 | 82  | 420525 | 46.46 | ng | # 95   |
| 26) 2-Nitrophenol              | 10.49 | 139 | 91315  | 50.13 | ng | # 77   |
| 27) 2,4-Dimethylphenol         | 10.52 | 122 | 206537 | 53.07 | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.77 | 93  | 264211 | 45.08 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 11.02 | 162 | 188416 | 53.03 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.24 | 180 | 175274 | 44.55 | ng | 98     |
| 31) Naphthalene                | 11.44 | 128 | 575700 | 43.51 | ng | 99     |
| 32) Benzoic acid               | 10.52 | 122 | 206537 | 71.92 | ng | # 4    |
| 33) 4-Chloroaniline            | 11.53 | 127 | 62154  | 11.27 | ng | # 90   |
| 34) Hexachlorobutadiene        | 11.71 | 225 | 101820 | 42.11 | ng | 97     |
| 35) Caprolactam                | 12.31 | 113 | 38240  | 31.38 | ng | # 67   |
| 36) 4-Chloro-3-methylphenol    | 12.61 | 107 | 230985 | 51.87 | ng | 93     |
| 37) 2-Methylnaphthalene        | 13.22 | 142 | 413778 | 42.87 | ng | 92     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.36 | 216 | 212296 | 42.19 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.34 | 237 | 259388 | 96.86 | ng | 94     |

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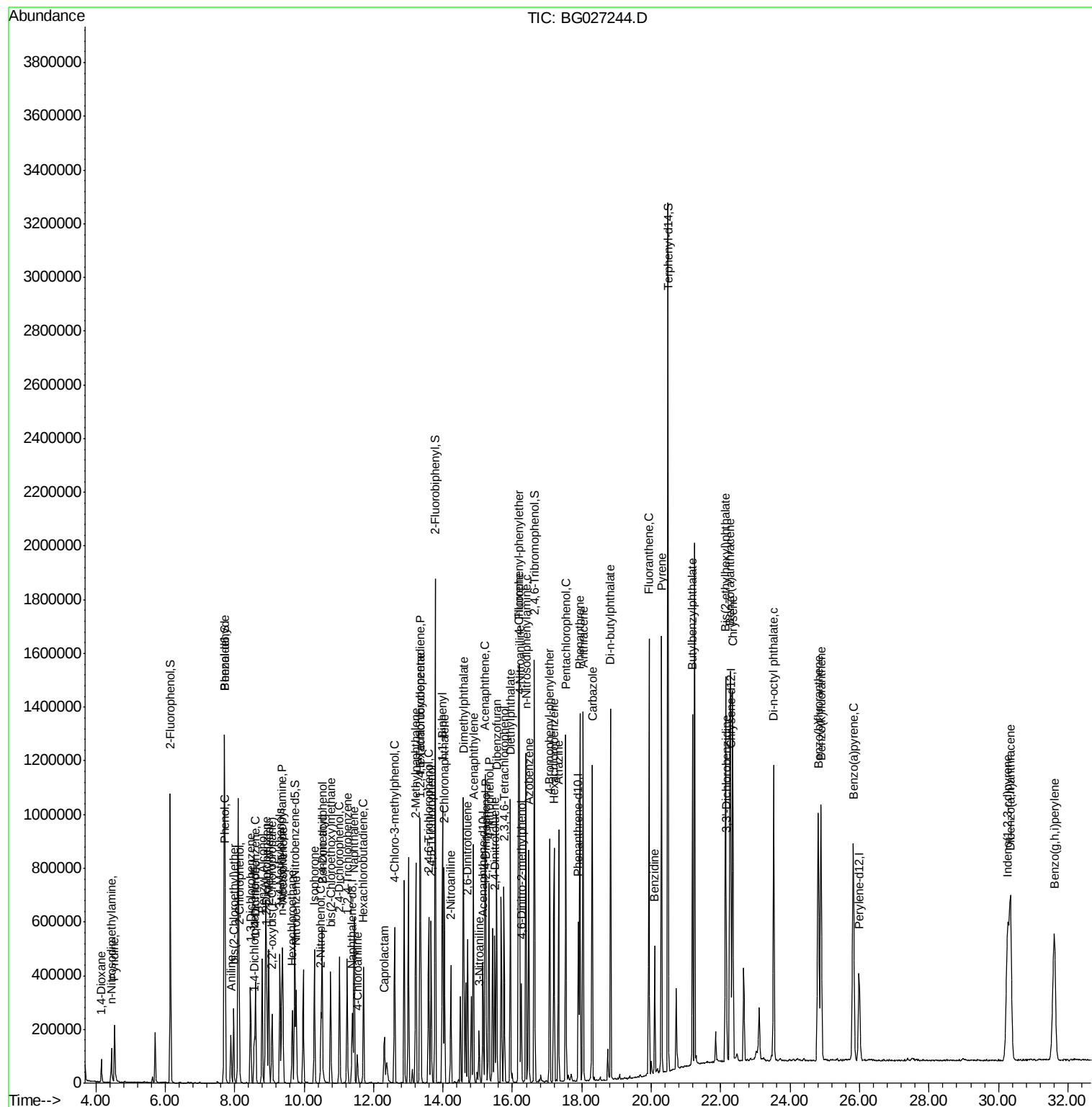
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.59 | 196  | 154385   | 50.59 | nq    | 95       |
| 43) 2,4,5-Trichlorophenol      | 13.66 | 196  | 166334   | 48.71 | nq    | 96       |
| 45) 1,1'-Biphenyl              | 13.99 | 154  | 577474   | 43.80 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 14.04 | 162  | 436268   | 44.14 | nq    | 99       |
| 47) 2-Nitroaniline             | 14.23 | 65   | 141960   | 50.15 | nq    | # 81     |
| 48) Acenaphthylene             | 14.87 | 152  | 709755   | 42.43 | nq    | 98       |
| 49) Dimethylphthalate          | 14.59 | 163  | 762137   | 59.49 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.71 | 165  | 126399   | 48.50 | nq    | # 75     |
| 51) Acenaphthene               | 15.21 | 154  | 488522   | 44.90 | nq    | 98       |
| 52) 3-Nitroaniline             | 15.04 | 138  | 50855    | 22.12 | nq    | 88       |
| 53) 2,4-Dinitrophenol          | 15.24 | 184  | 93994    | 76.49 | nq    | # 81     |
| 54) Dibenzofuran               | 15.54 | 168  | 706277   | 46.45 | nq    | 91       |
| 55) 4-Nitrophenol              | 15.33 | 139  | 223761   | 91.51 | nq    | # 54     |
| 56) 2,4-Dinitrotoluene         | 15.49 | 165  | 175262   | 51.96 | nq    | # 85     |
| 57) Fluorene                   | 16.20 | 166  | 576751   | 42.71 | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.76 | 232  | 161904   | 53.11 | nq    | 99       |
| 59) Diethylphthalate           | 15.94 | 149  | 595940   | 46.63 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.18 | 204  | 299166   | 43.98 | nq    | 92       |
| 61) 4-Nitroaniline             | 16.21 | 138  | 132686   | 48.02 | nq    | # 66     |
| 62) Azobenzene                 | 16.47 | 77   | 585895   | 49.47 | nq    | 90       |
| 64) 4,6-Dinitro-2-methylphenol | 16.25 | 198  | 91811    | 52.51 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.39 | 169  | 522036   | 43.76 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.07 | 248  | 199702   | 44.34 | nq    | 97       |
| 67) Hexachlorobenzene          | 17.20 | 284  | 210021   | 43.36 | nq    | # 88     |
| 68) Atrazine                   | 17.33 | 200  | 193041   | 48.39 | nq    | 98       |
| 69) Pentachlorophenol          | 17.54 | 266  | 257938   | 90.84 | nq    | 96       |
| 70) Phenanthrene               | 17.95 | 178  | 940181   | 43.92 | nq    | 96       |
| 71) Anthracene                 | 18.04 | 178  | 942563   | 43.95 | nq    | 99       |
| 72) Carbazole                  | 18.30 | 167  | 839116   | 41.48 | nq    | 95       |
| 73) Di-n-butylphthalate        | 18.83 | 149  | 1008006  | 51.39 | nq    | # 94     |
| 74) Fluoranthene               | 19.93 | 202  | 1050085  | 45.91 | nq    | 94       |
| 76) Benzidine                  | 20.10 | 184  | 291515   | 22.59 | nq    | 98       |
| 77) Pyrene                     | 20.30 | 202  | 1084428  | 41.90 | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.18 | 149  | 442996   | 48.44 | nq    | 92       |
| 80) Benzo(a)anthracene         | 22.27 | 228  | 1068017  | 43.72 | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 22.16 | 252  | 167634   | 17.64 | nq    | 96       |
| 82) Chrysene                   | 22.35 | 228  | 1005870  | 42.89 | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 22.14 | 149  | 633392   | 45.83 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 23.52 | 149  | 1086855  | 47.48 | nq    | # 88     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.27 | 276  | 1261061  | 44.40 | nq    | # 93     |
| 87) Benzo(b)fluoranthene       | 24.81 | 252  | 1070464  | 43.40 | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 24.89 | 252  | 1075300  | 44.44 | nq    | # 94     |
| 89) Benzo(a)pyrene             | 25.81 | 252  | 1042571  | 44.90 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 30.34 | 278  | 1089309  | 44.82 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 31.61 | 276  | 1033647  | 43.91 | nq    | # 90     |

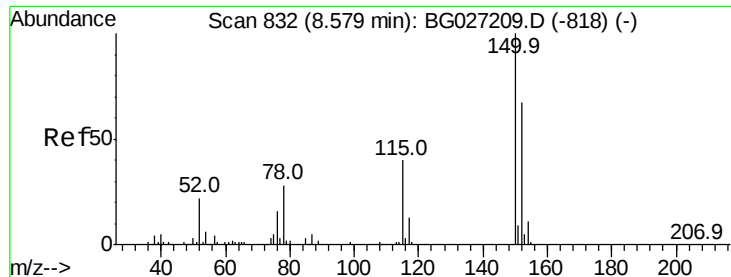
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.57 min Scan# 831

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

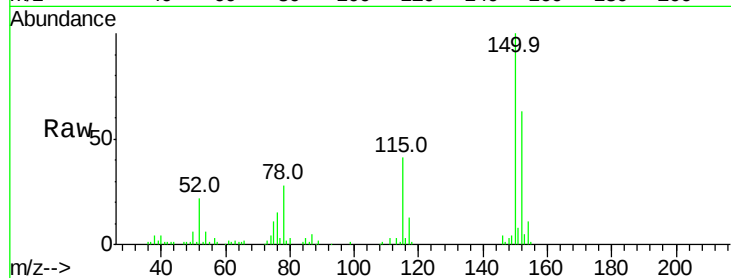
Tot Ion:152 Resp: 49300

Ion Ratio Lower Upper

152 100

150 159.0 114.0 171.0

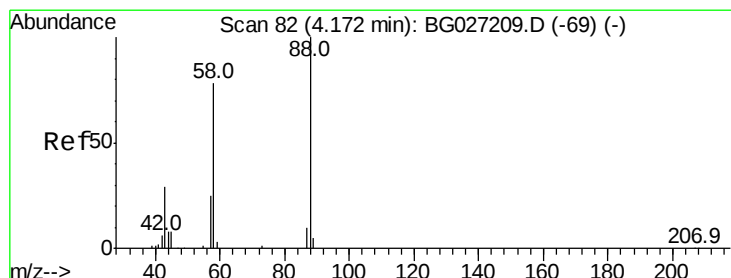
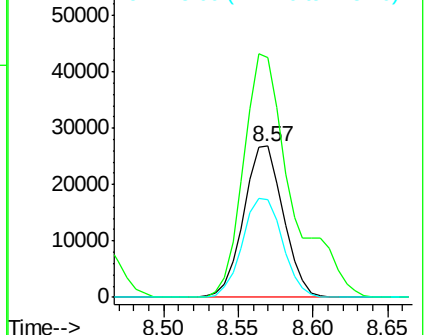
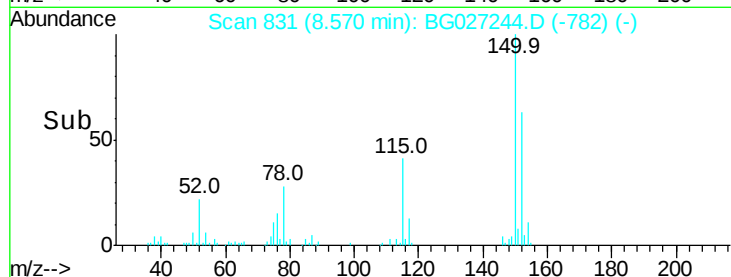
115 64.8 48.1 72.1



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: 38.14 ng

RT: 4.16 min Scan# 80

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

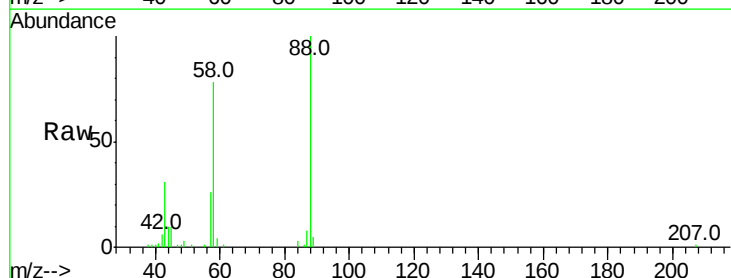
Tgt Ion: 88 Resp: 51090

Ion Ratio Lower Upper

88 100

58 77.2 79.4 119.2#

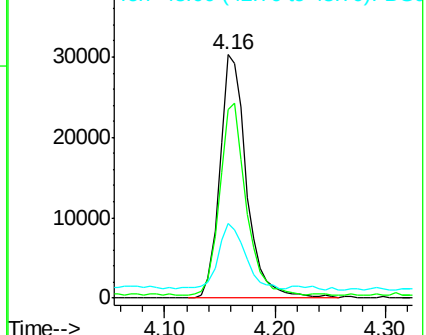
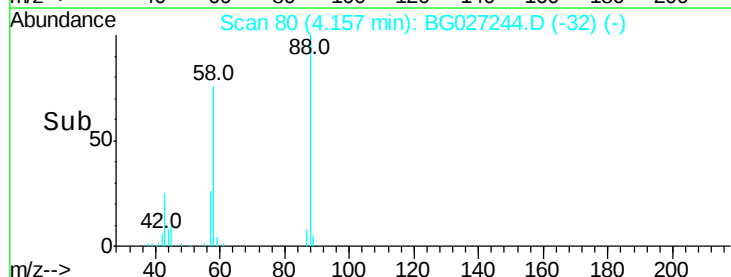
43 26.7 33.8 50.6#



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: 35.49 ng

RT: 4.54 min Scan# 145

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

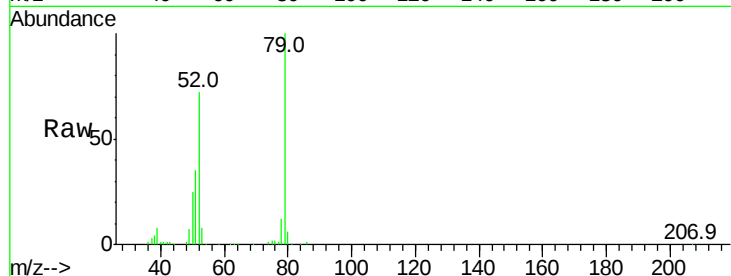
Tot Ion: 79 Resp: 146572

Ion Ratio Lower Upper

79 100

52 71.8 77.8 116.6#

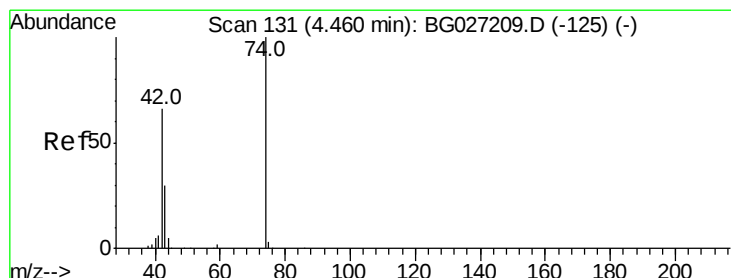
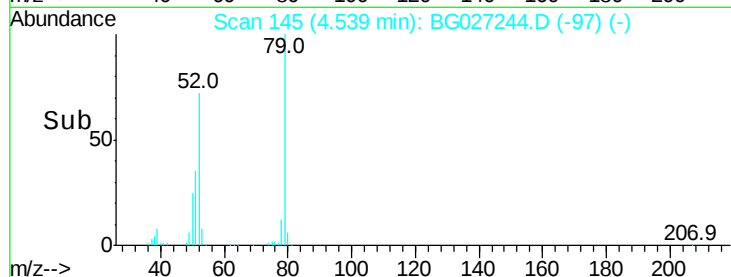
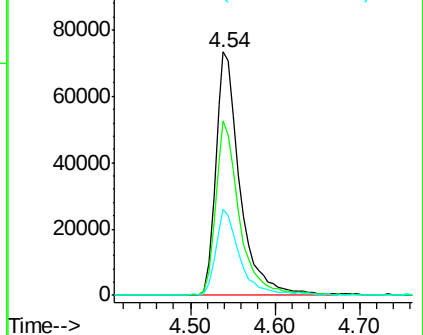
51 35.4 43.2 64.8#



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: 45.09 ng

RT: 4.45 min Scan# 130

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

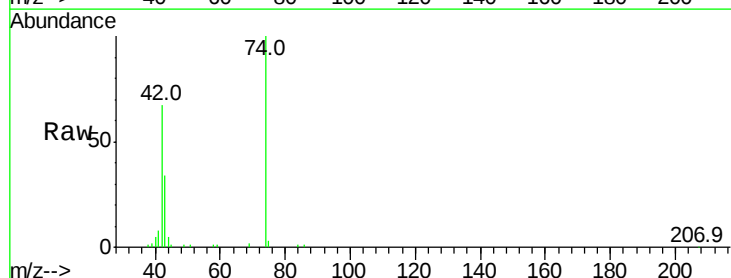
Tgt Ion: 42 Resp: 68945

Ion Ratio Lower Upper

42 100

74 148.9 76.7 115.1#

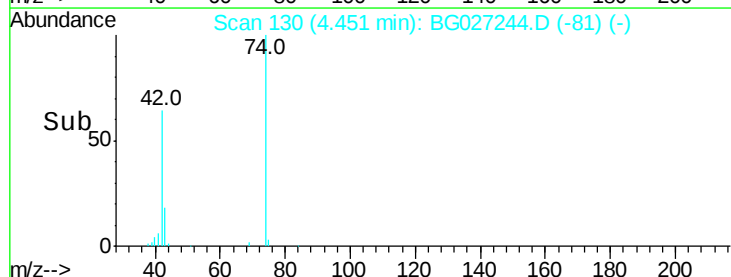
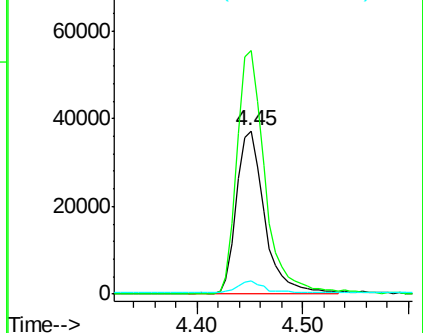
44 8.0 6.1 9.1

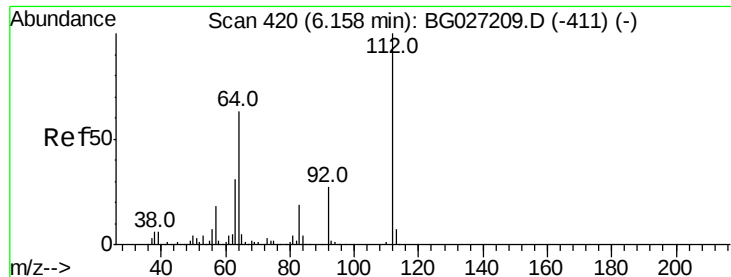


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 159.71 ng

RT: 6.15 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

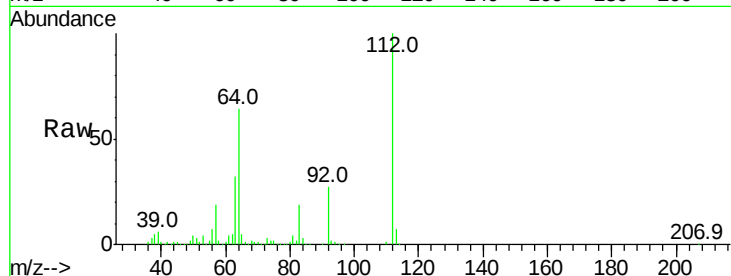
Tot Ion:112 Resp: 515978

Ion Ratio Lower Upper

112 100

64 63.8 61.8 92.6

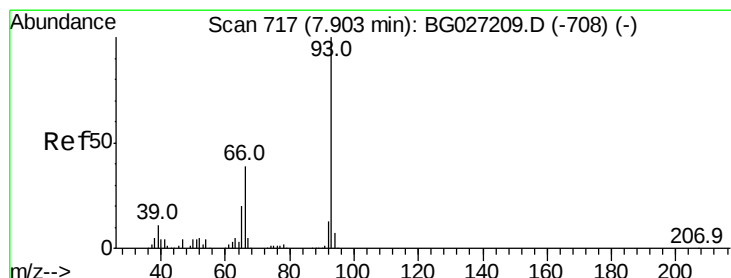
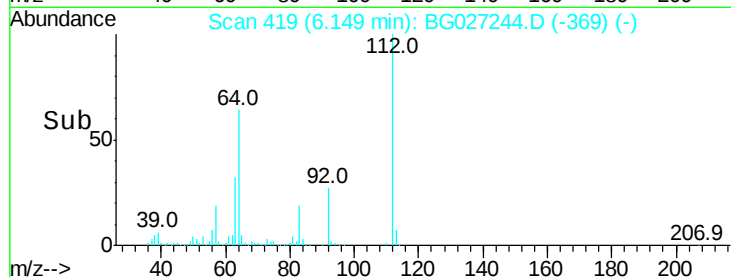
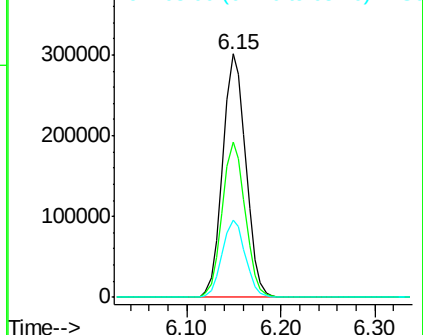
63 31.9 37.2 55.8#



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: 21.22 ng

RT: 7.89 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

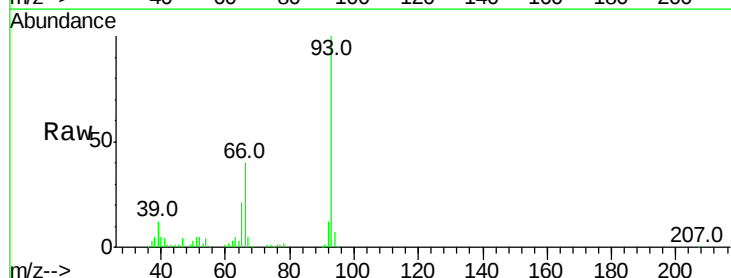
Tgt Ion: 93 Resp: 126702

Ion Ratio Lower Upper

93 100

66 40.1 35.4 53.2

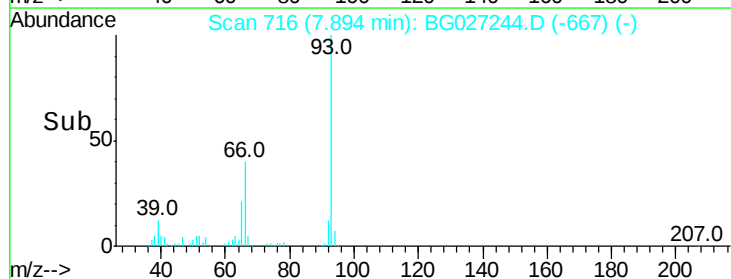
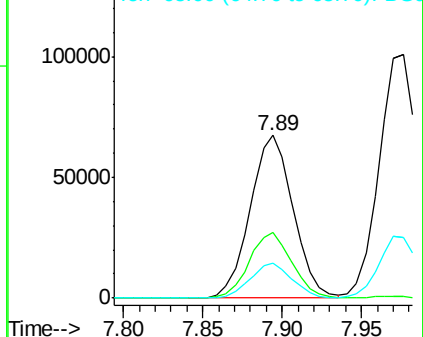
65 21.4 21.2 31.8

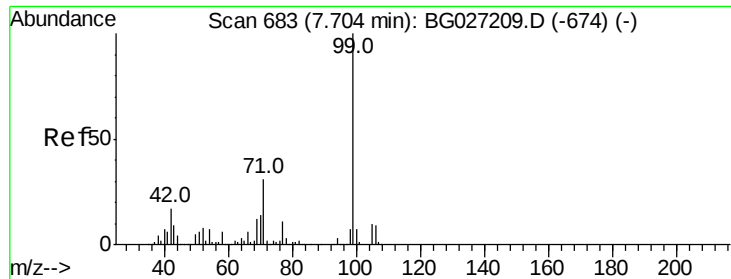


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 155.83 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampled :

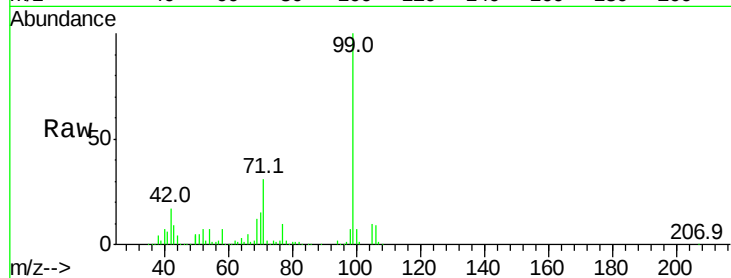
Tot Ion: 99 Resp: 739021

Ion Ratio Lower Upper

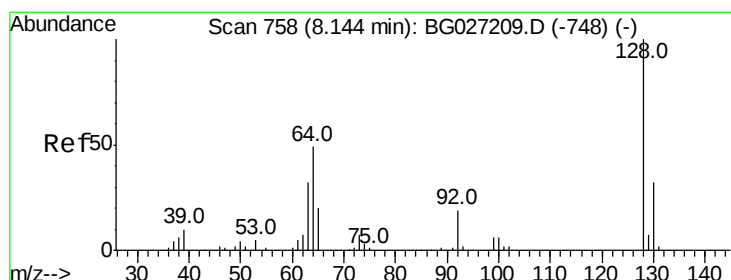
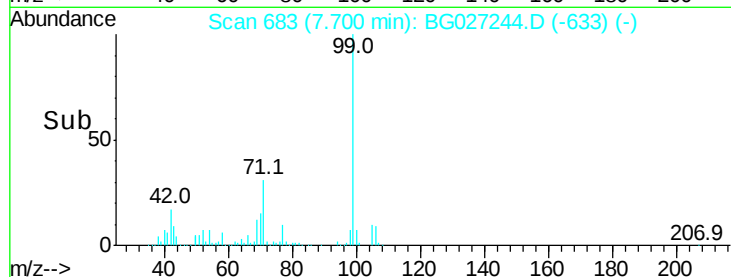
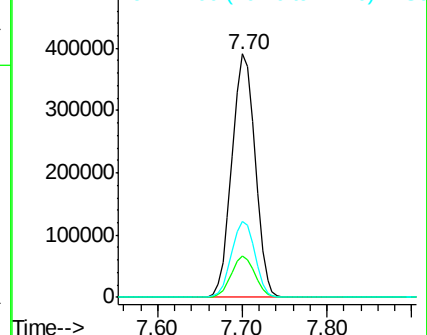
99 100

42 16.9 20.5 30.7#

71 31.4 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: 52.84 ng

RT: 8.13 min Scan# 757

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

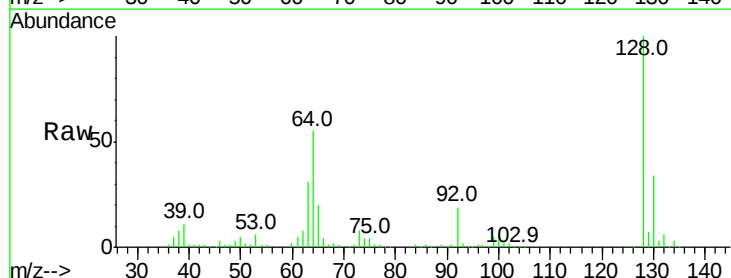
Tgt Ion: 128 Resp: 180254

Ion Ratio Lower Upper

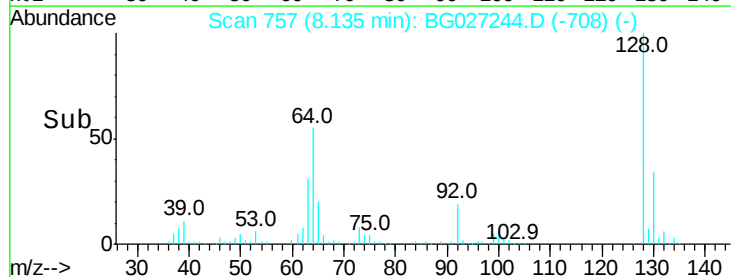
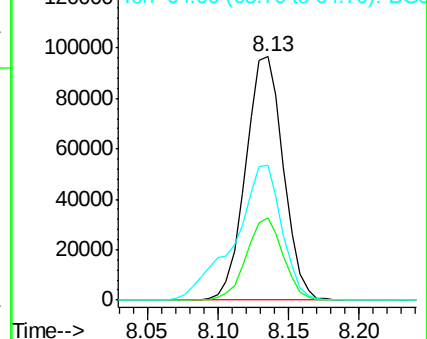
128 100

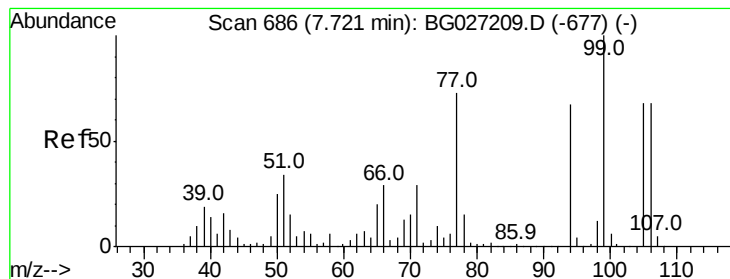
130 34.0 11.4 51.4

64 55.3 46.6 86.6



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





#9

Benzaldehyde

Concen: 32.22 ng

RT: 7.71 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

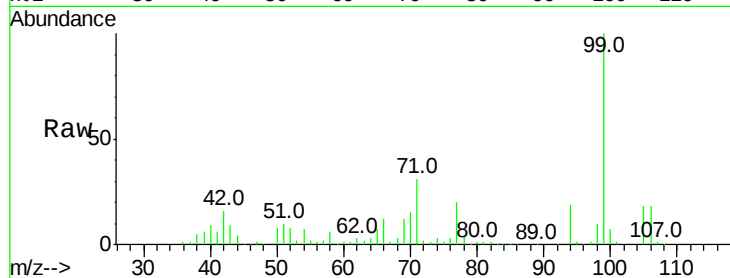
Tot Ion: 77 Resp: 105634

Ion Ratio Lower Upper

77 100

105 93.4 60.9 100.9

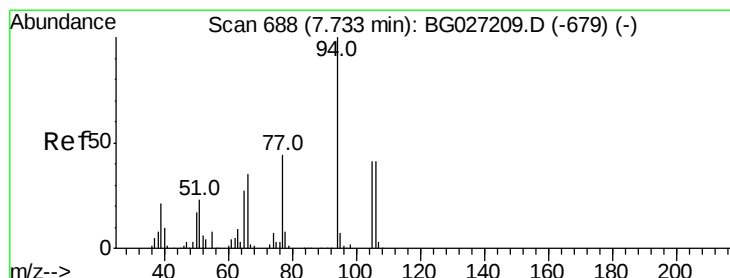
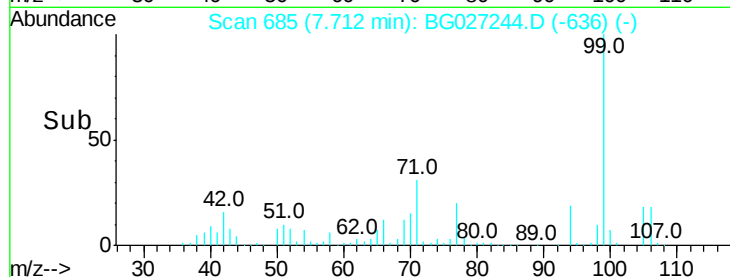
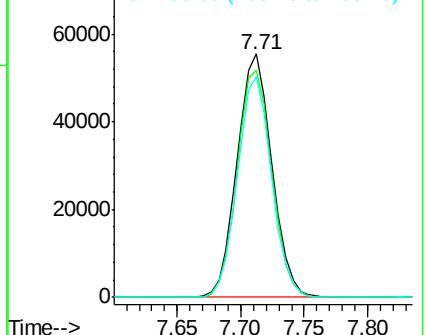
106 90.8 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 53.92 ng

RT: 7.73 min Scan# 688

Delta R.T. -0.00 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

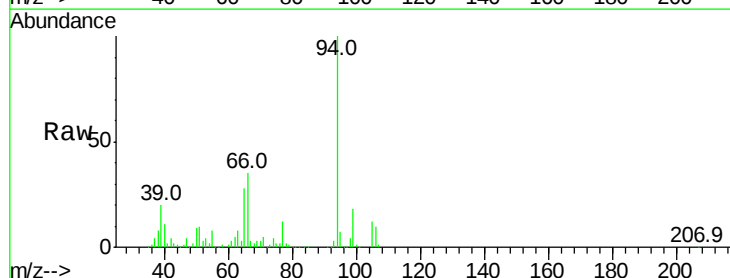
Tgt Ion: 94 Resp: 261496

Ion Ratio Lower Upper

94 100

65 28.2 20.6 60.6

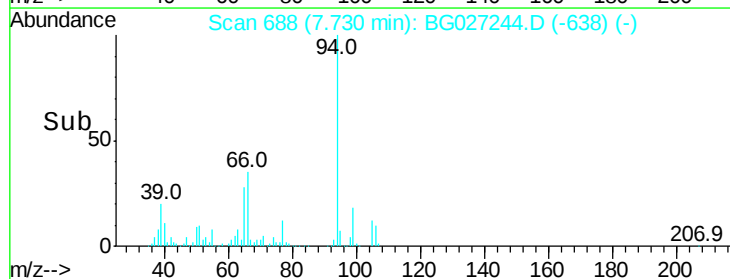
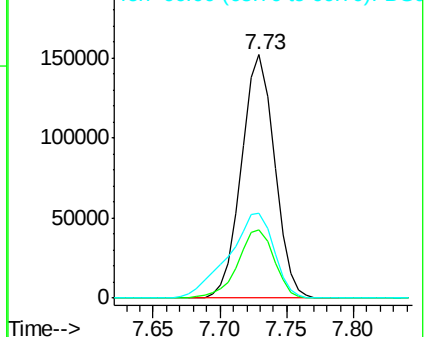
66 35.0 35.5 75.5#

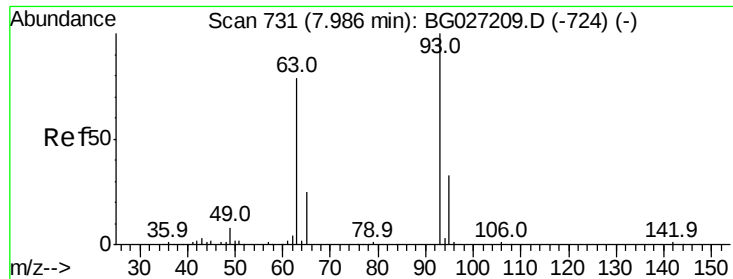


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

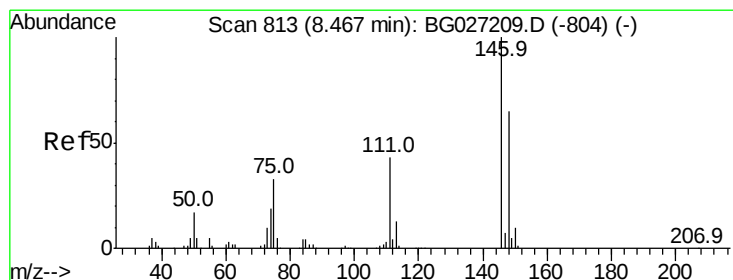
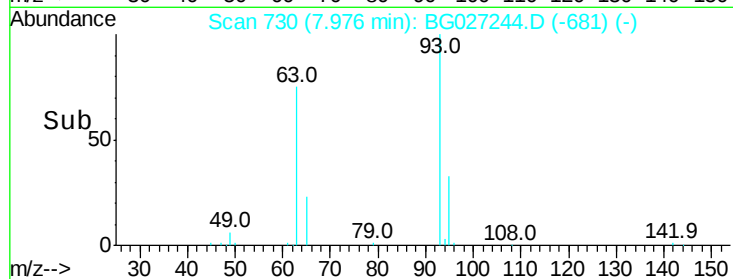
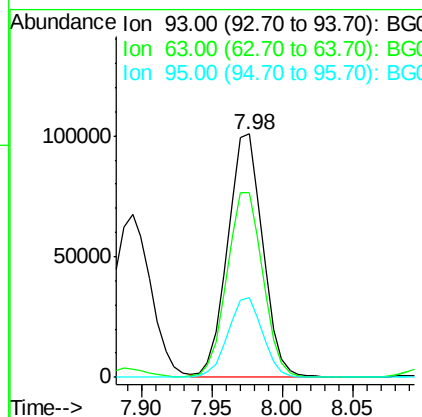
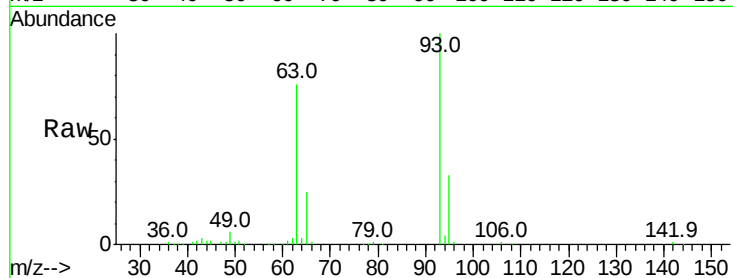




#11  
bis(2-Chloroethyl)ether  
Concen: 43.93 ng  
RT: 7.98 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

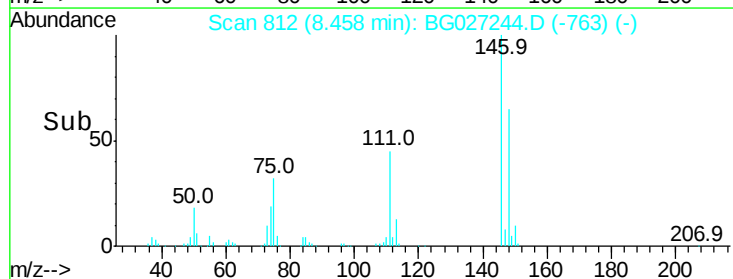
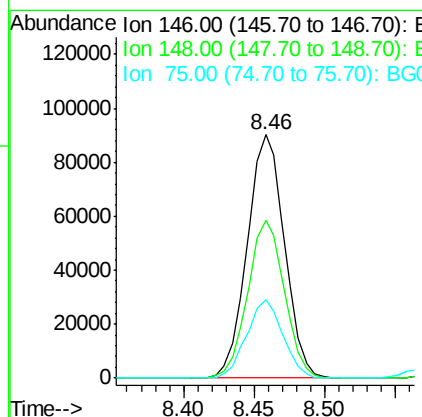
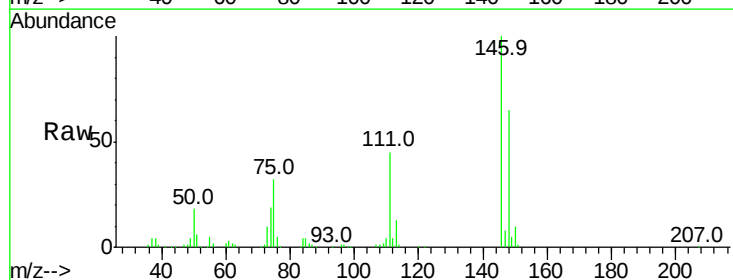
Instrument :  
BNA\_G  
ClientSampled :

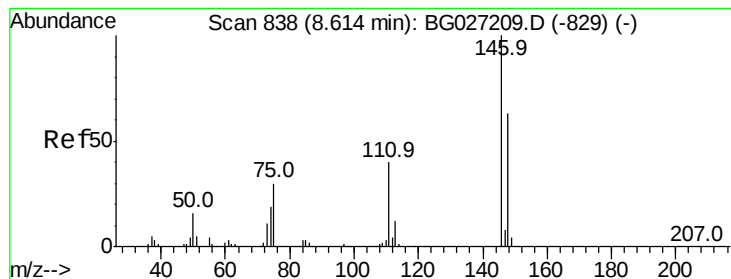
Tot Ion: 93 Resp: 174793  
Ion Ratio Lower Upper  
93 100  
63 76.1 78.5 118.5#  
95 32.7 9.8 49.8



#12  
1,3-Dichlorobenzene  
Concen: 43.33 ng  
RT: 8.46 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion: 146 Resp: 166730  
Ion Ratio Lower Upper  
146 100  
148 65.0 49.2 73.8  
75 32.1 33.4 50.2#





#13

1,4-Dichlorobenzene

Concen: 43.65 ng

RT: 8.60 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

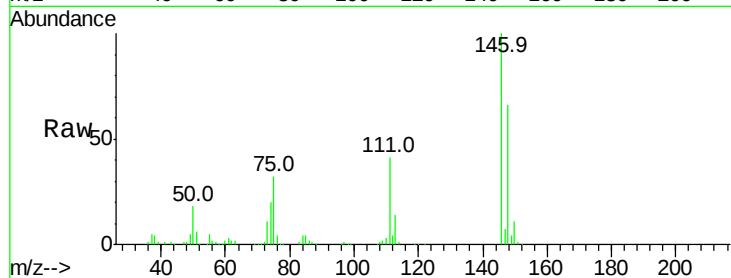
Tot Ion:146 Resp: 172390

Ion Ratio Lower Upper

146 100

148 66.0 52.2 78.2

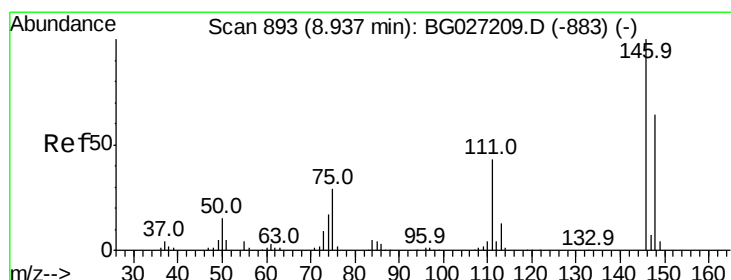
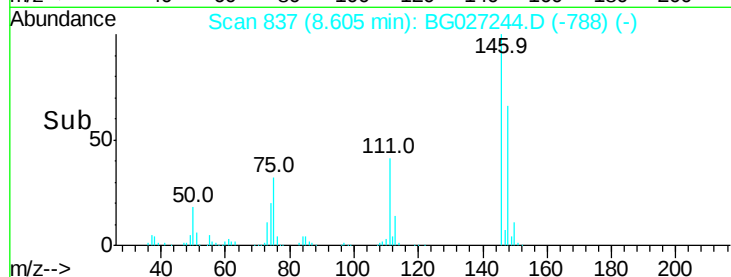
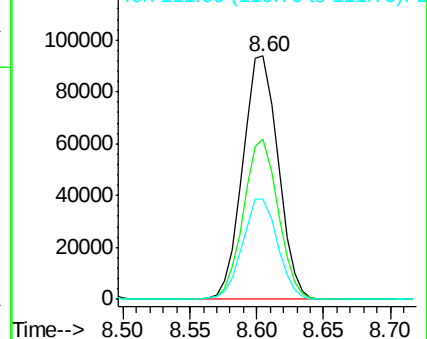
111 41.2 37.0 55.6



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: 43.53 ng

RT: 8.92 min Scan# 891

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

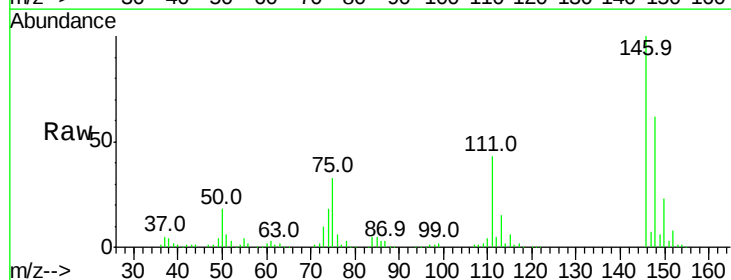
Tgt Ion:146 Resp: 167664

Ion Ratio Lower Upper

146 100

148 61.8 54.6 81.8

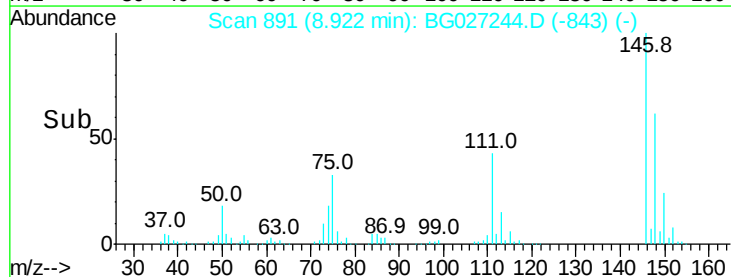
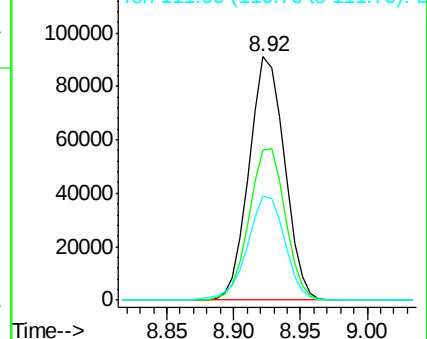
111 42.7 39.7 59.5

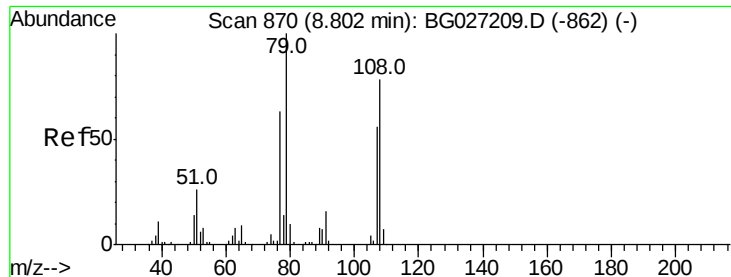


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.65 ng

RT: 8.79 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

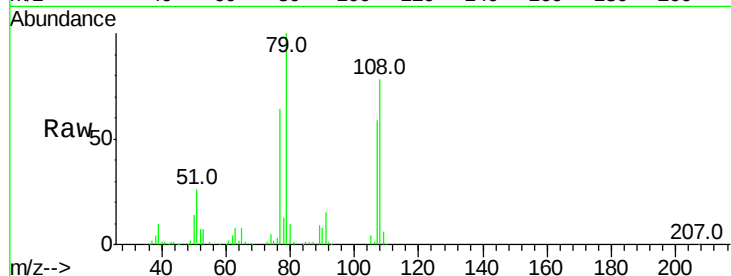
Tot Ion: 79 Resp: 175916

Ion Ratio Lower Upper

79 100

108 77.6 45.5 68.3#

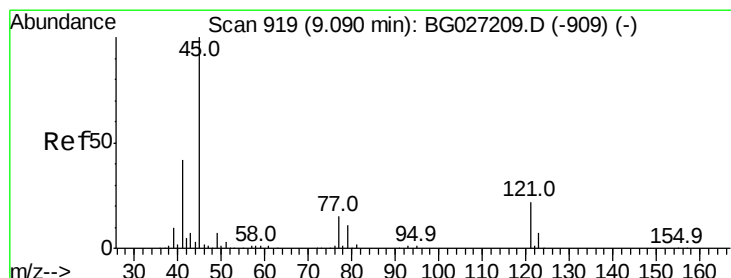
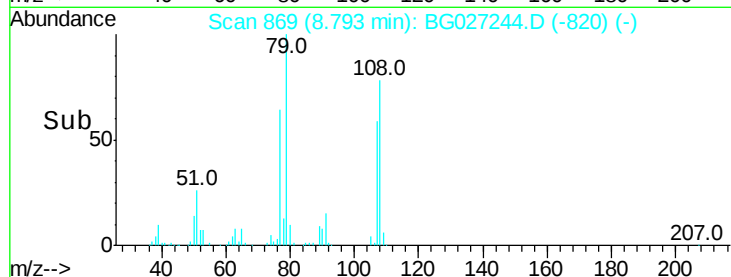
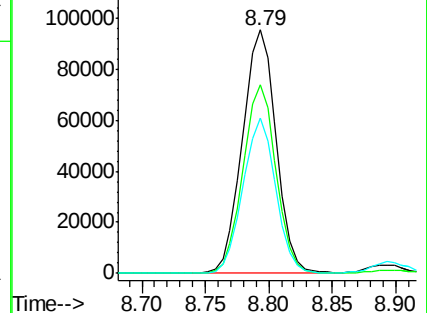
77 64.0 54.3 81.5



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: 44.72 ng

RT: 9.08 min Scan# 917

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

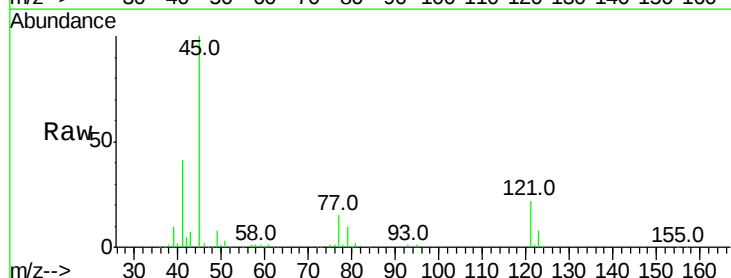
Tgt Ion: 45 Resp: 254598

Ion Ratio Lower Upper

45 100

77 14.8 0.0 30.6

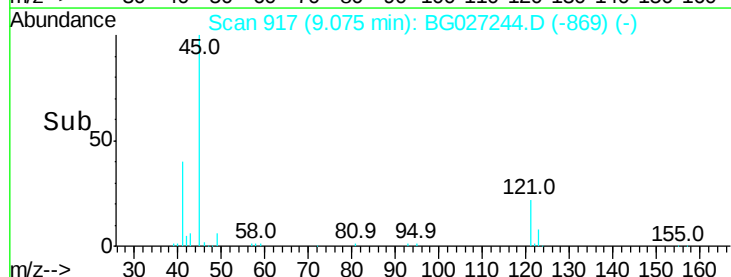
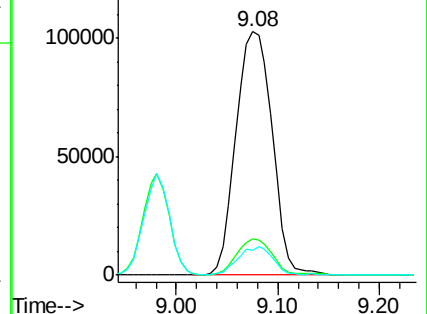
79 10.0 0.0 28.5

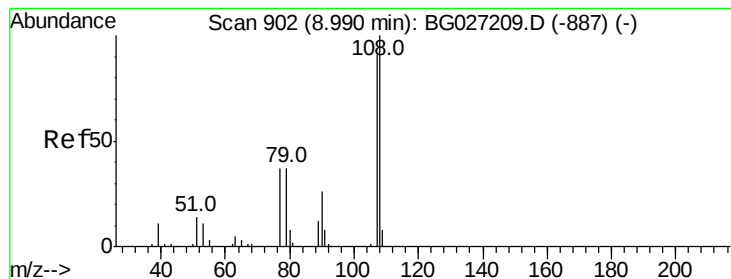


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

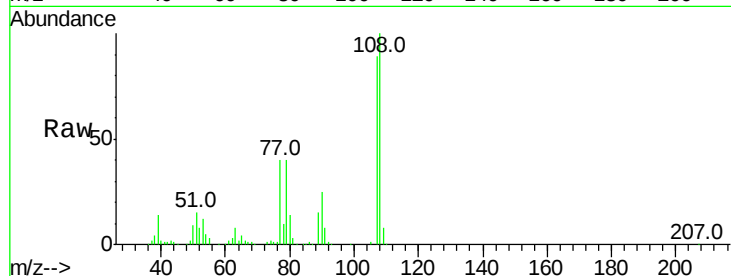




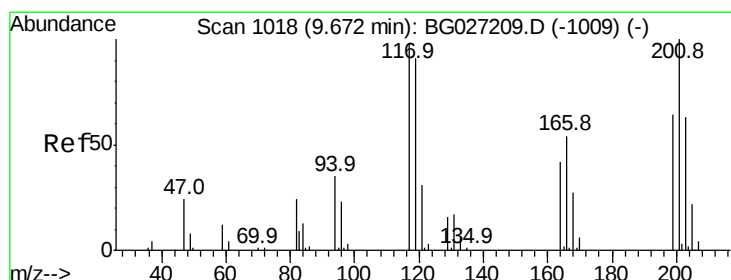
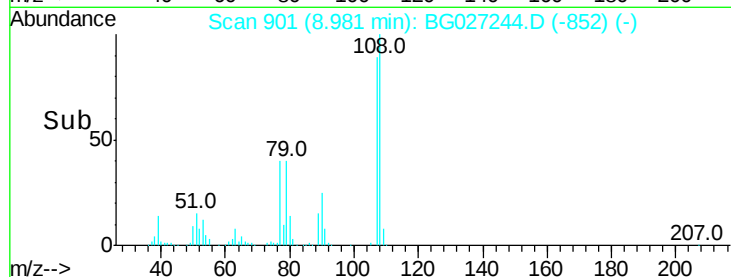
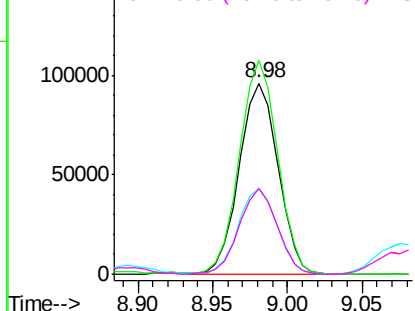
#17  
2-Methylphenol  
Concen: 50.41 ng  
RT: 8.98 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:107 Resp: 172805  
Ion Ratio Lower Upper  
107 100  
108 111.9 85.6 128.4  
77 44.8 51.4 77.2#  
79 44.9 49.2 73.8#

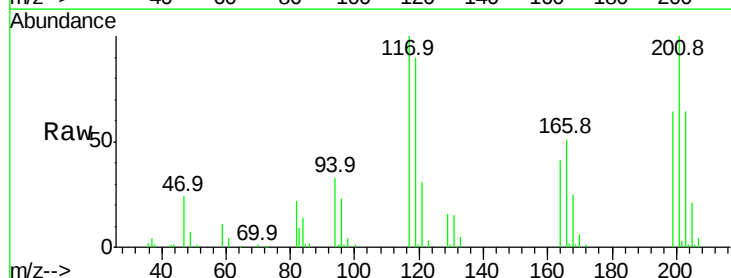


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

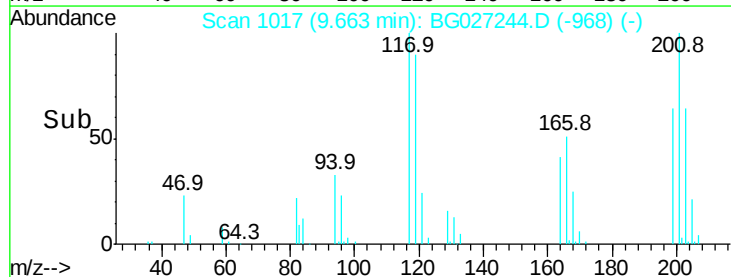
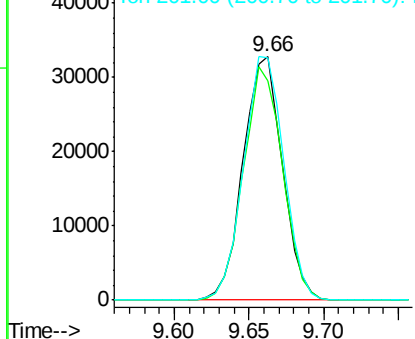


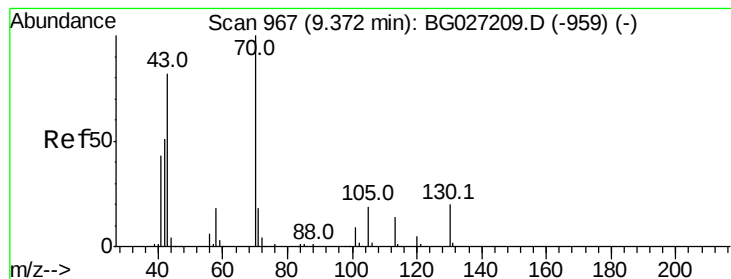
#18  
Hexachloroethane  
Concen: 44.88 ng  
RT: 9.66 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:117 Resp: 59696  
Ion Ratio Lower Upper  
117 100  
119 90.2 69.8 104.6  
201 99.6 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: 45.80 ng

RT: 9.36 min Scan# 966

Delta R.T. -0.01 min

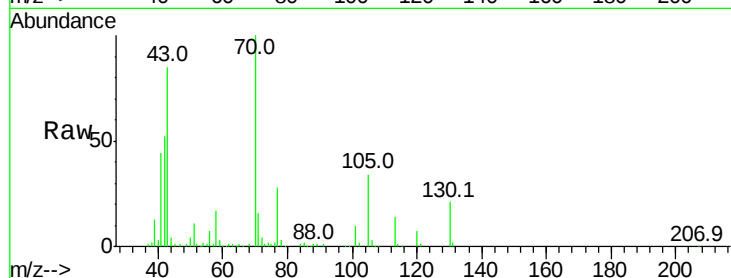
Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :



Tot Ion: 70 Resp: 151951

Ion Ratio Lower Upper

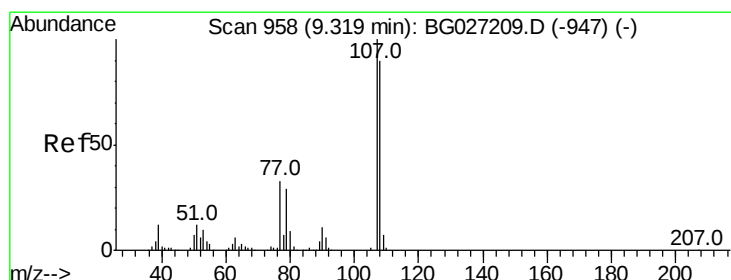
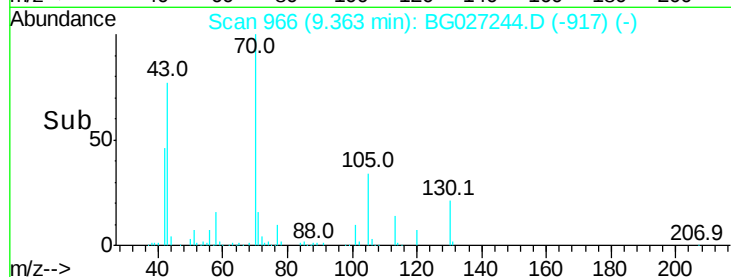
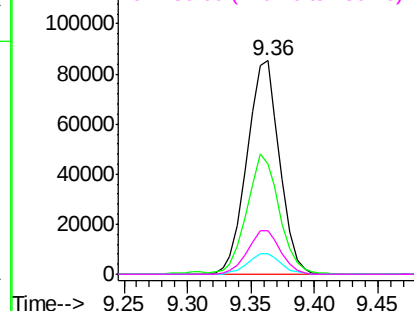
70 100

42 51.7 56.1 84.1#

101 9.8 7.5 11.3

130 20.5 14.6 21.8

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



#20

3+4-Methylphenols

Concen: 50.83 ng

RT: 9.30 min Scan# 956

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Tgt Ion: 107 Resp: 241402

Ion Ratio Lower Upper

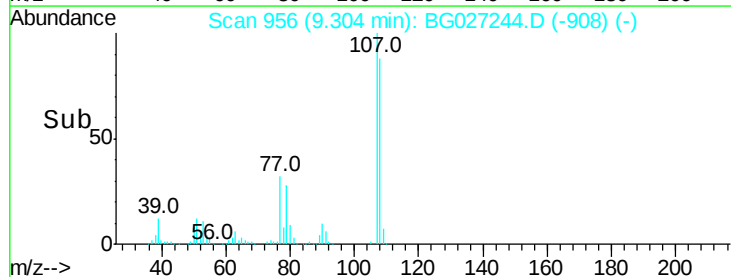
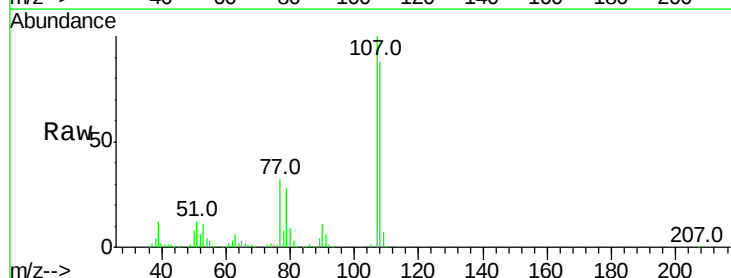
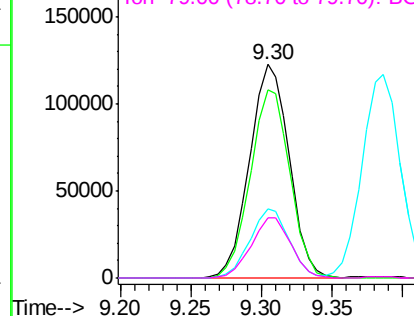
107 100

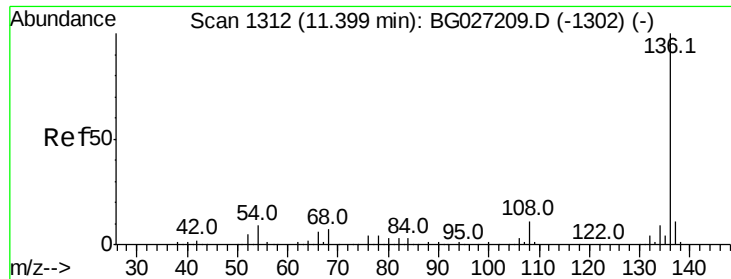
108 87.8 70.8 110.8

77 32.2 25.8 65.8

79 28.3 20.1 60.1

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

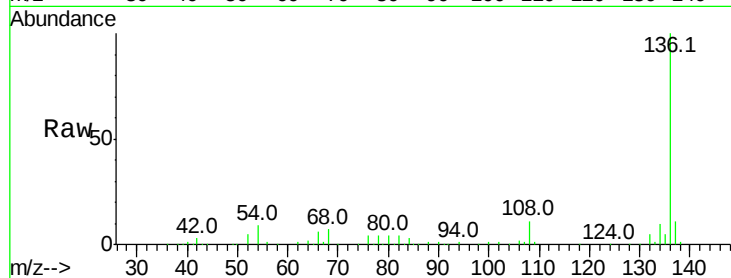




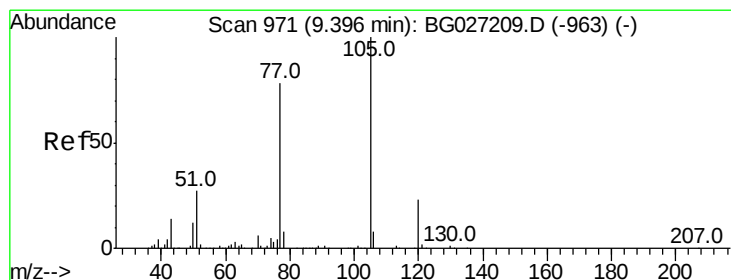
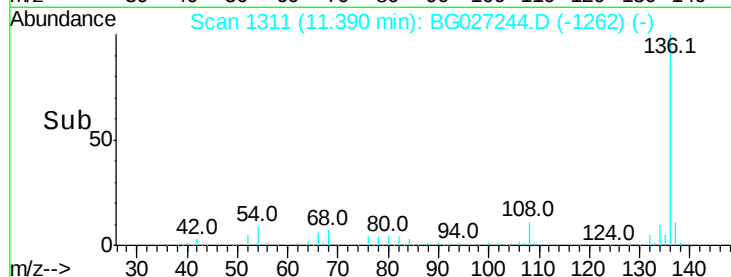
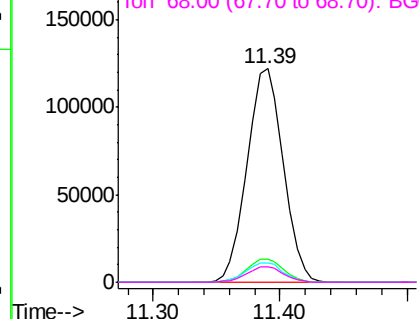
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.39 min Scan# 1311  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 242091    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.1  | 8.9 13.3  |
| 54          | 9.2   | 9.3 13.9# |
| 68          | 7.0   | 5.1 7.7   |

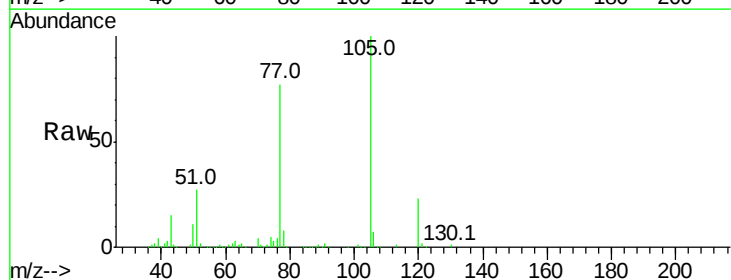


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

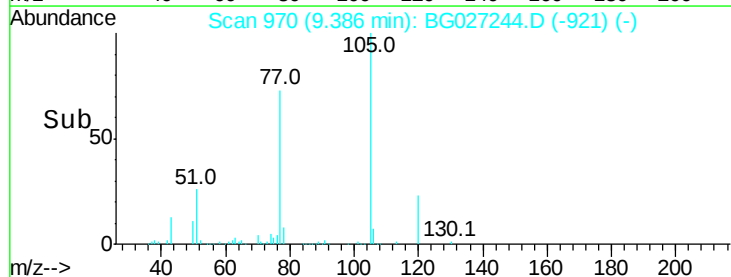
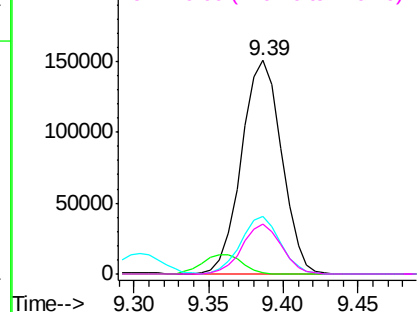


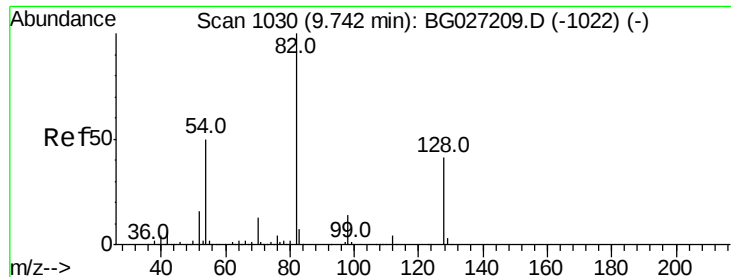
#22  
Acetophenone  
Concen: 45.35 ng  
RT: 9.39 min Scan# 970  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 280785     |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.6   | 0.9 1.3#   |
| 51          | 26.7  | 34.0 51.0# |
| 120         | 23.3  | 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

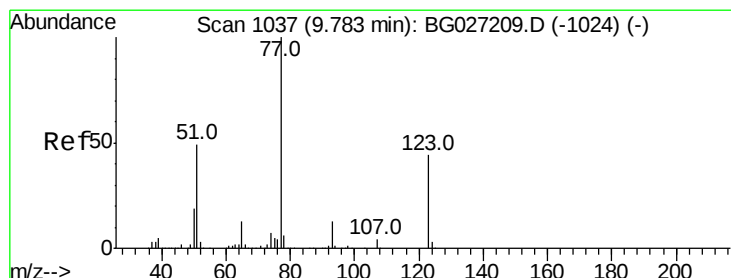
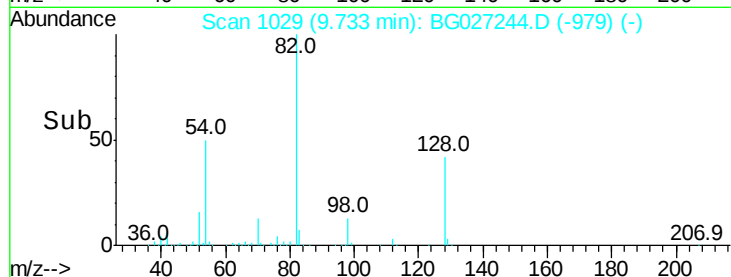
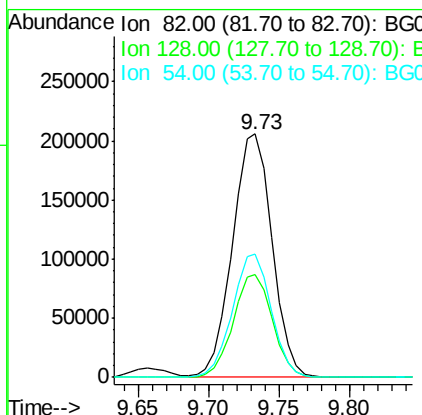
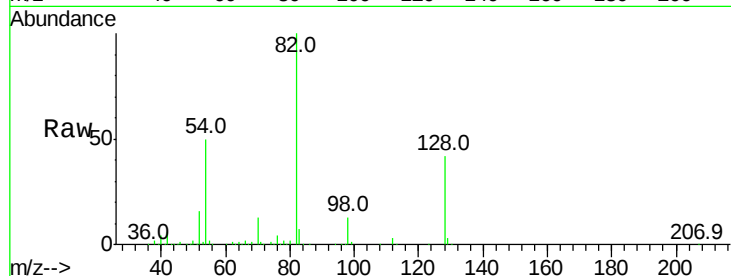




#23  
 Nitrobenzene-d5  
 Concen: 104.77 ng  
 RT: 9.73 min Scan# 1029  
 Delta R.T. -0.01 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

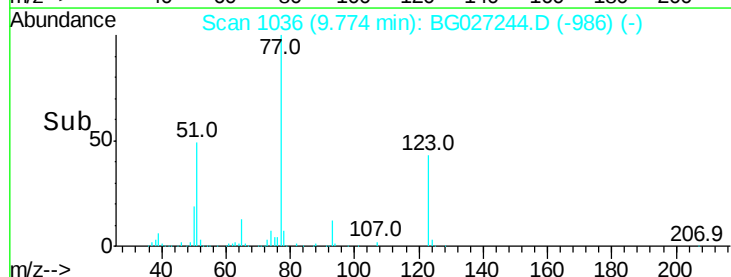
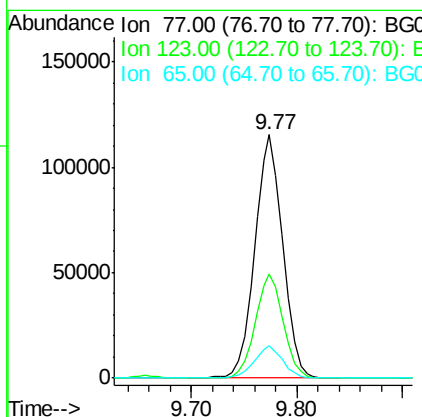
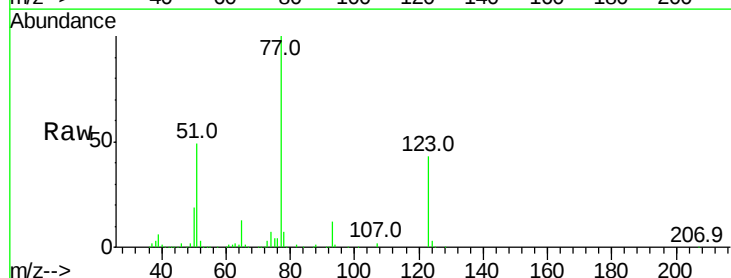
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 403295  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 26.4 39.6#  
 54 50.4 49.4 74.2



#24  
 Nitrobenzene  
 Concen: 48.31 ng  
 RT: 9.77 min Scan# 1036  
 Delta R.T. -0.01 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

Tgt Ion: 77 Resp: 211886  
 Ion Ratio Lower Upper  
 77 100  
 123 43.0 26.1 39.1#  
 65 13.1 12.4 18.6





#25

Isophorone

Concen: 46.46 ng

RT: 10.30 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

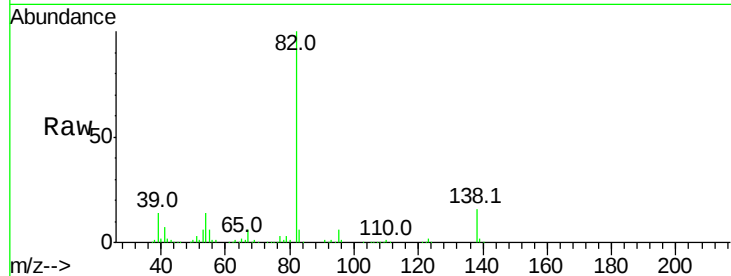
Tot Ion: 82 Resp: 420525

Ion Ratio Lower Upper

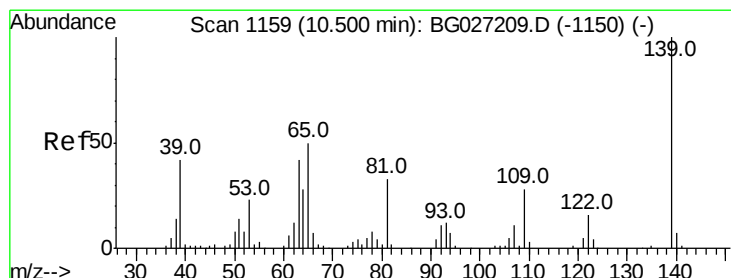
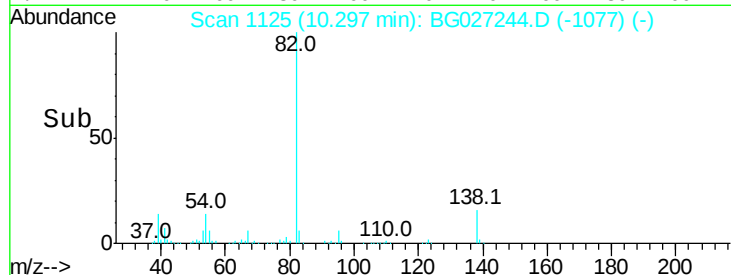
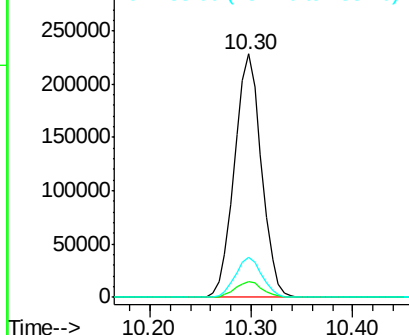
82 100

95 6.5 7.5 11.3#

138 16.5 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: 50.13 ng

RT: 10.49 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

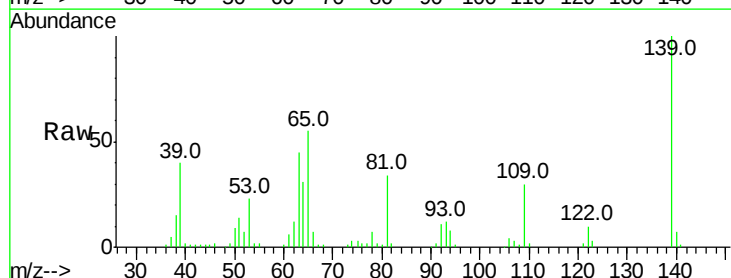
Tgt Ion: 139 Resp: 91315

Ion Ratio Lower Upper

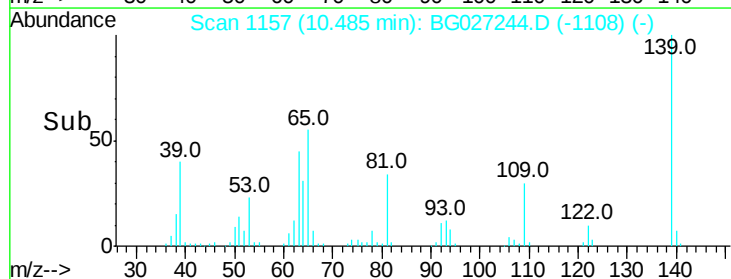
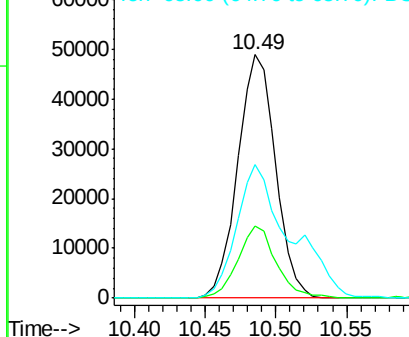
139 100

109 29.7 38.6 58.0#

65 54.7 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

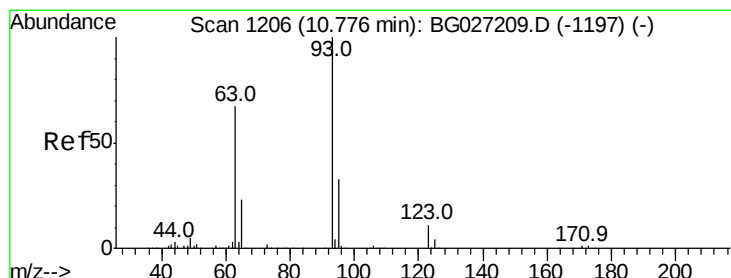
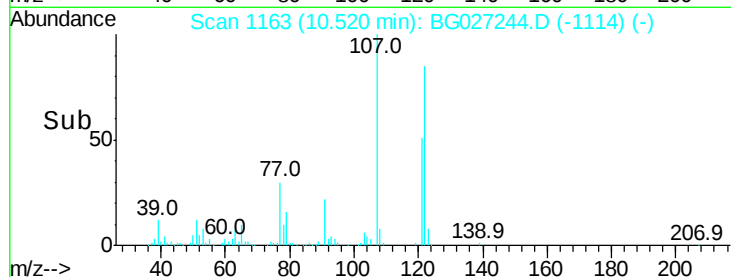
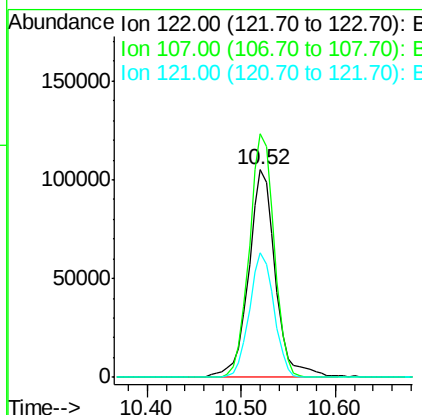
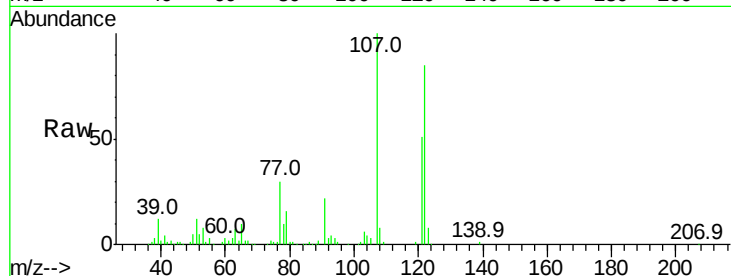




#27  
 2,4-Dimethylphenol  
 Concen: 53.07 ng  
 RT: 10.52 min Scan# 1163  
 Delta R.T. -0.01 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

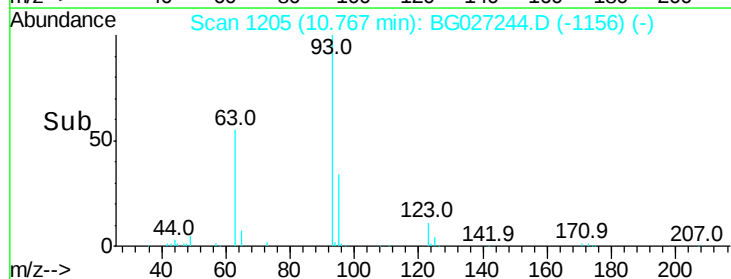
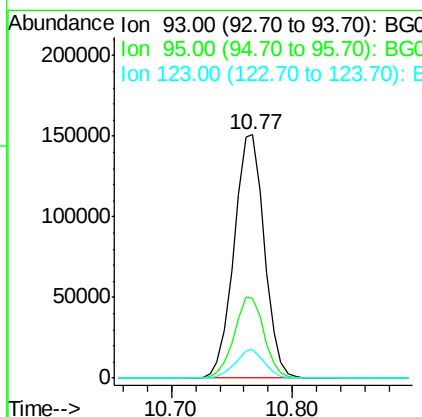
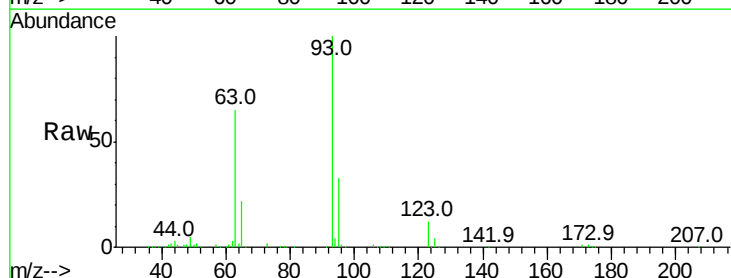
Instrument :  
 BNA\_G  
 ClientSampleId :

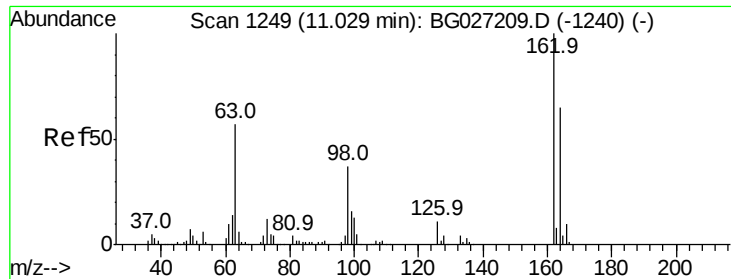
Tot Ion:122 Resp: 206537  
 Ion Ratio Lower Upper  
 122 100  
 107 117.5 104.2 156.4  
 121 60.4 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 45.08 ng  
 RT: 10.77 min Scan# 1205  
 Delta R.T. -0.01 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

Tgt Ion: 93 Resp: 264211  
 Ion Ratio Lower Upper  
 93 100  
 95 32.8 25.7 38.5  
 123 11.7 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 53.03 ng

RT: 11.02 min Scan# 1248

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

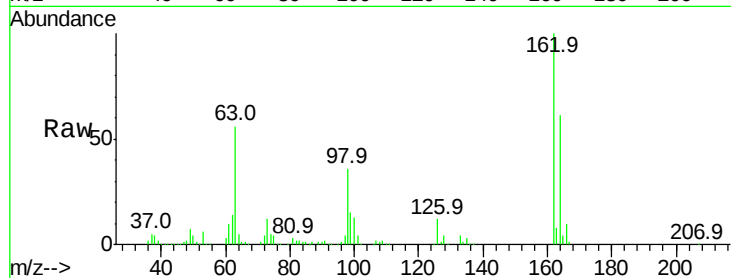
Tot Ion:162 Resp: 188416

Ion Ratio Lower Upper

162 100

164 61.2 42.4 82.4

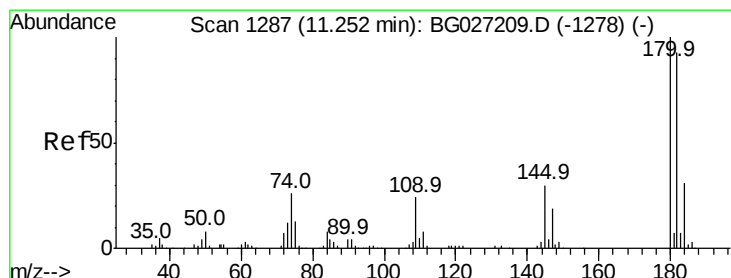
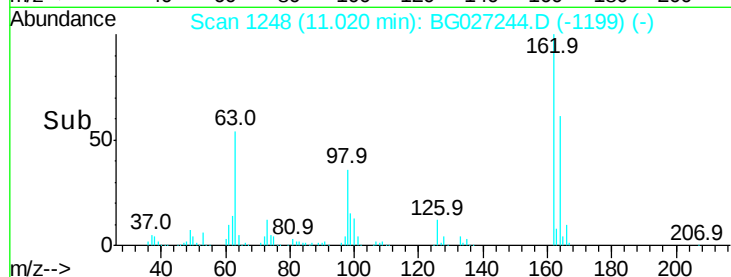
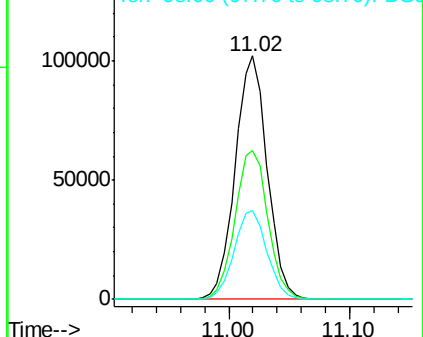
98 36.4 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30

1,2,4-Trichlorobenzene

Concen: 44.55 ng

RT: 11.24 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

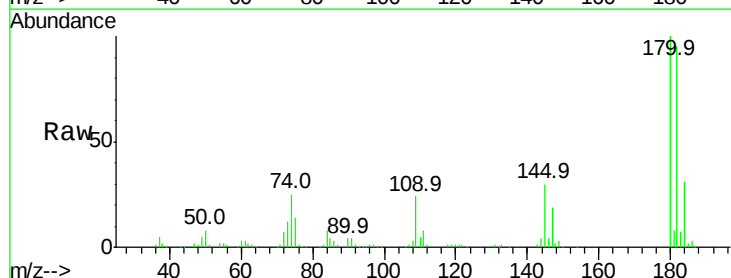
Tgt Ion:180 Resp: 175274

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.4

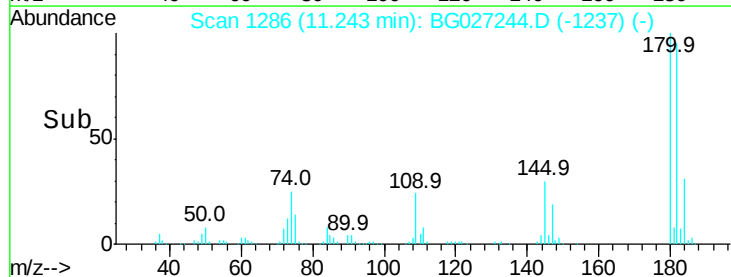
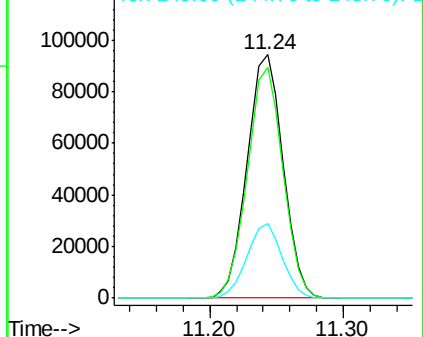
145 30.4 23.4 35.0

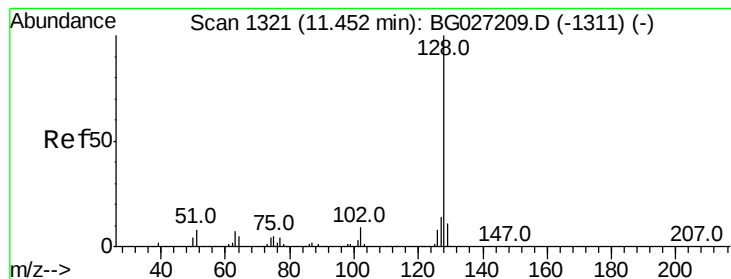


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.51 ng

RT: 11.44 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

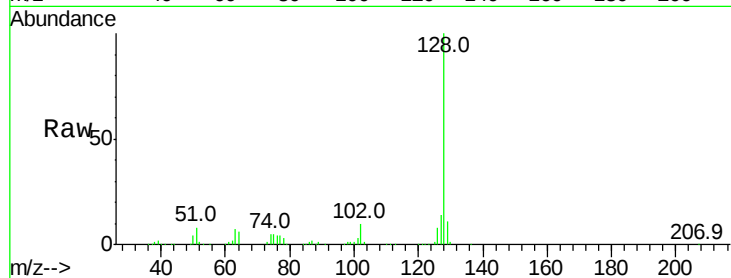
Tot Ion:128 Resp: 575700

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

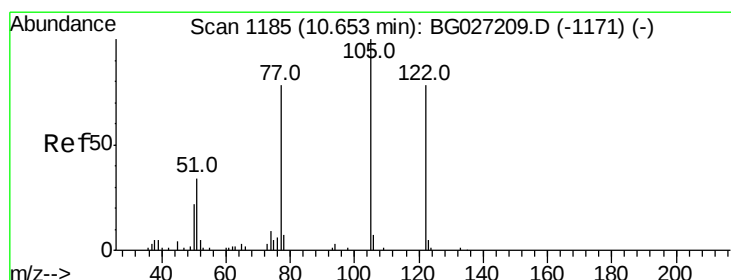
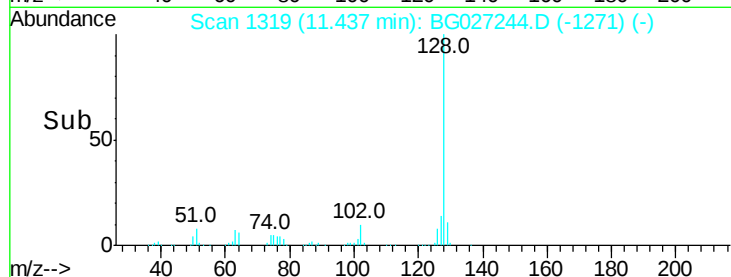
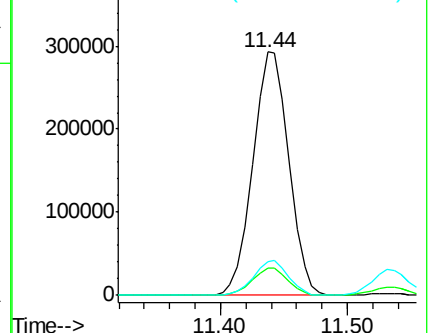
127 13.8 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 71.92 ng

RT: 10.52 min Scan# 1163

Delta R.T. -0.13 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

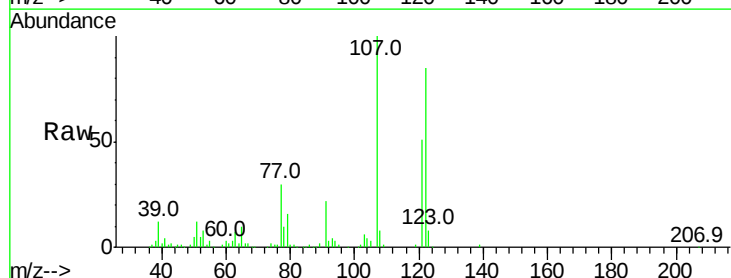
Tgt Ion:122 Resp: 206537

Ion Ratio Lower Upper

122 100

105 3.6 120.1 160.1#

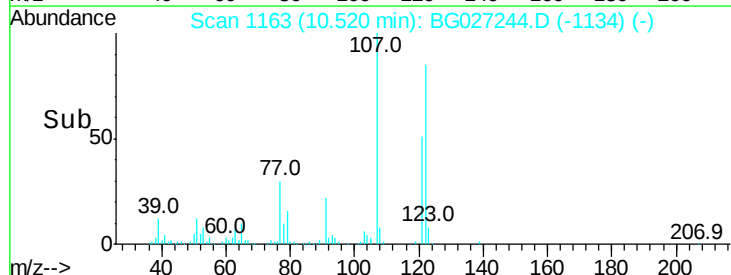
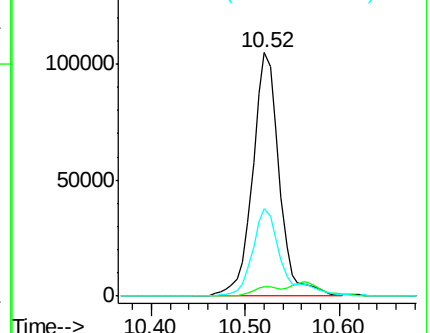
77 35.8 104.6 144.6#

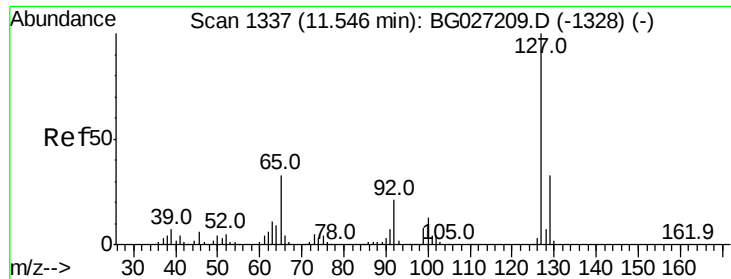


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

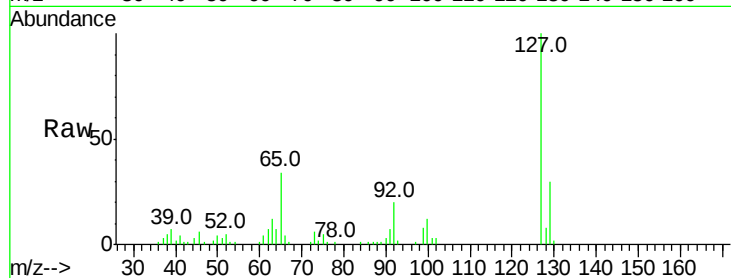




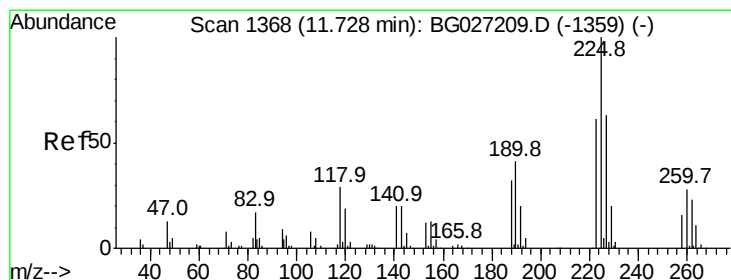
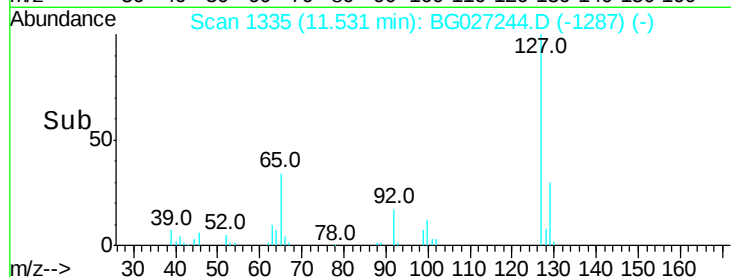
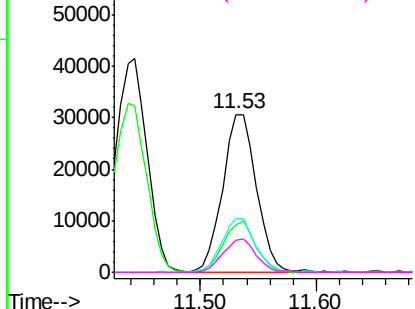
#33  
4-Chloroaniline  
Concen: 11.27 ng  
RT: 11.53 min Scan# 1335  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:127 Resp: 62154  
Ion Ratio Lower Upper  
127 100  
129 29.7 23.6 35.4  
65 34.1 37.7 56.5#  
92 20.5 17.6 26.4

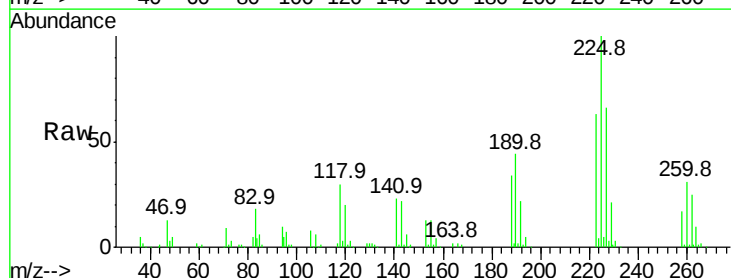


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

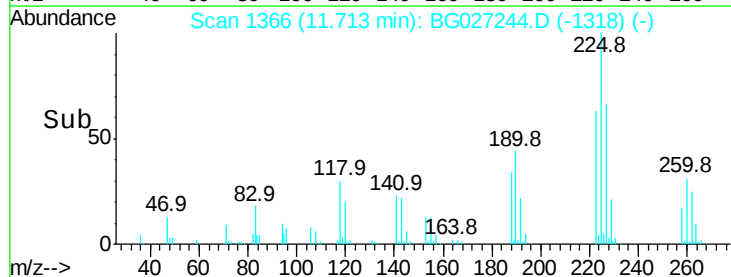
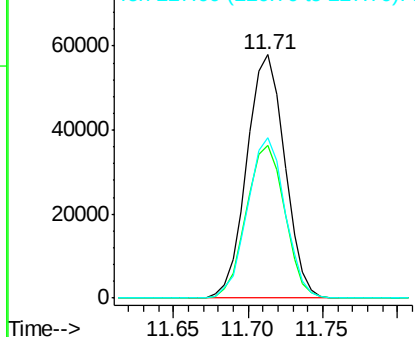


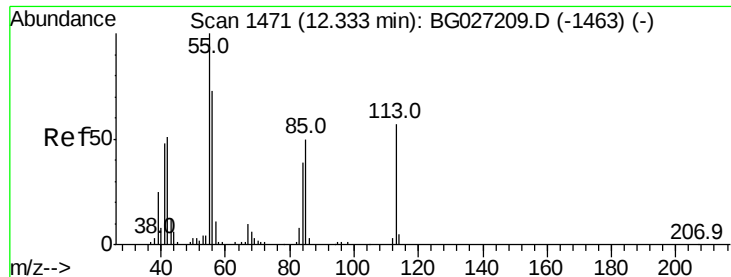
#34  
Hexachlorobutadiene  
Concen: 42.11 ng  
RT: 11.71 min Scan# 1366  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:225 Resp: 101820  
Ion Ratio Lower Upper  
225 100  
223 62.8 50.7 76.1  
227 65.7 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: 31.38 ng

RT: 12.31 min Scan# 1468

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

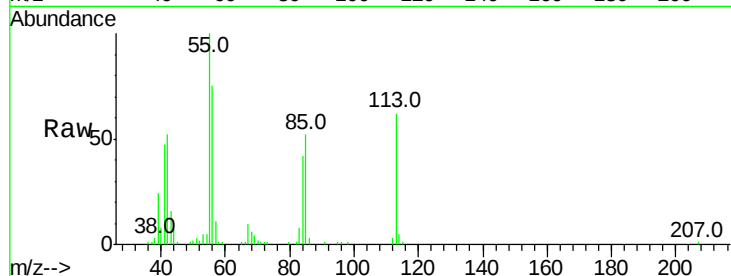
Tot Ion:113 Resp: 38240

Ion Ratio Lower Upper

113 100

55 161.5 198.6 238.6#

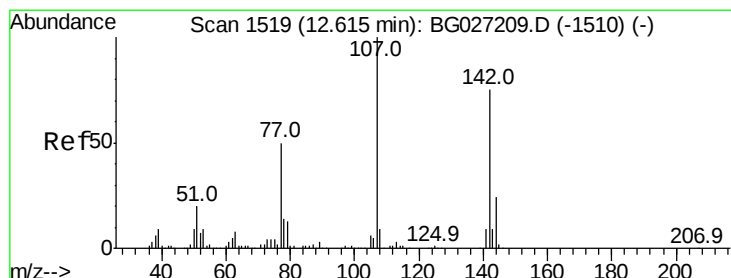
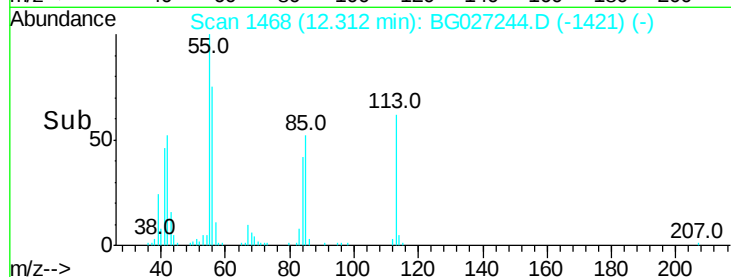
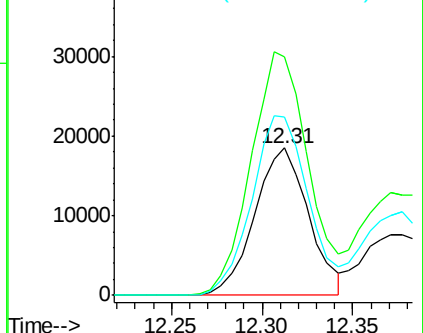
56 121.2 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 51.87 ng

RT: 12.61 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

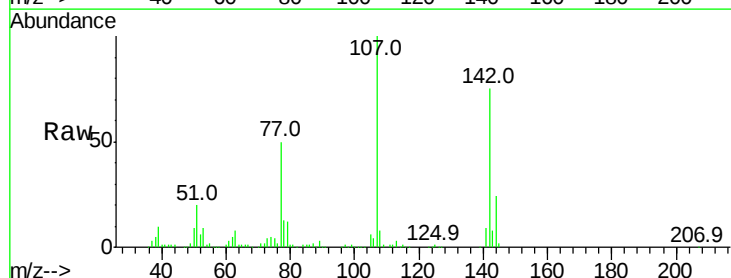
Tgt Ion:107 Resp: 230985

Ion Ratio Lower Upper

107 100

144 23.5 17.4 26.0

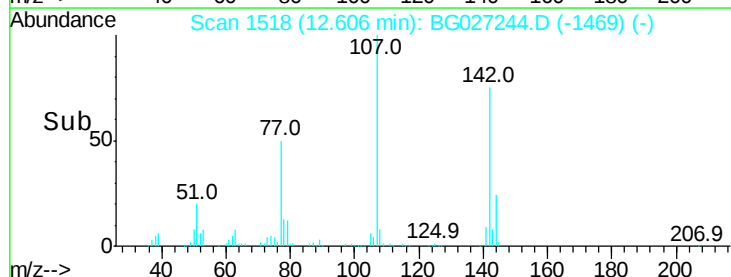
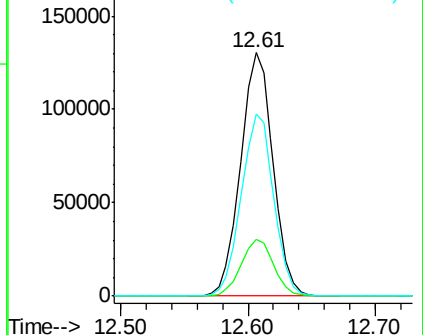
142 74.6 54.1 81.1

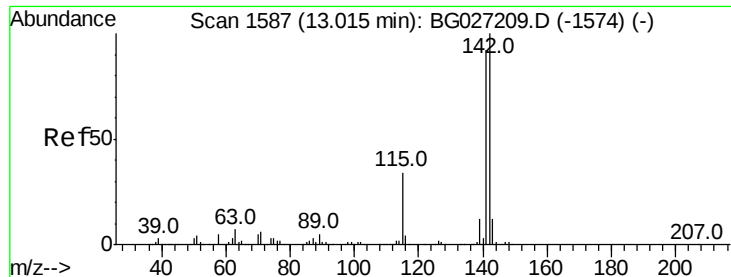


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

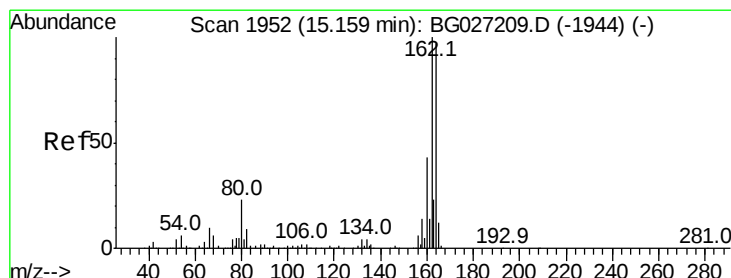
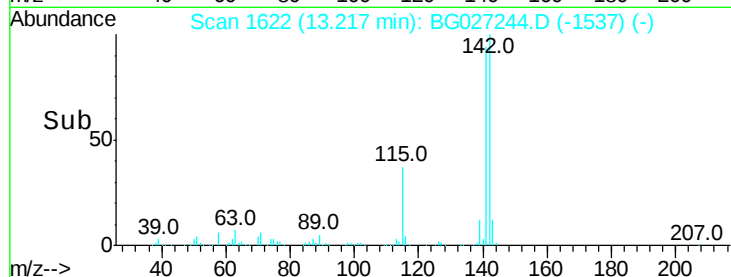
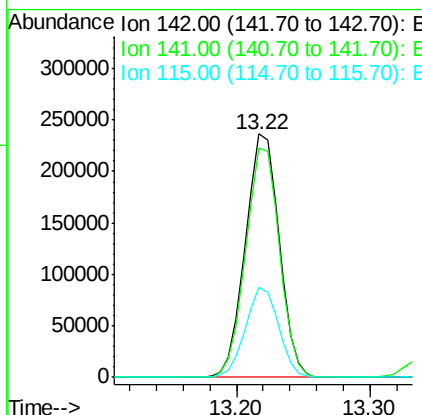
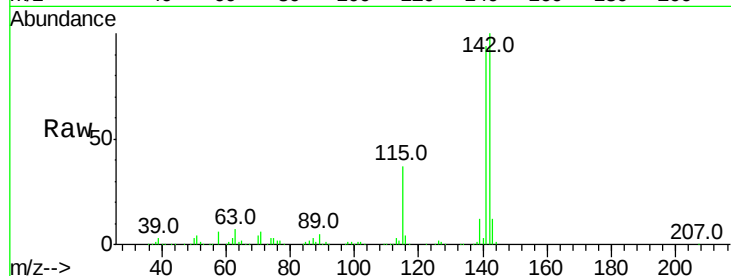




#37  
2-Methylnaphthalene  
Concen: 42.87 ng  
RT: 13.22 min Scan# 1622  
Delta R.T. 0.20 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

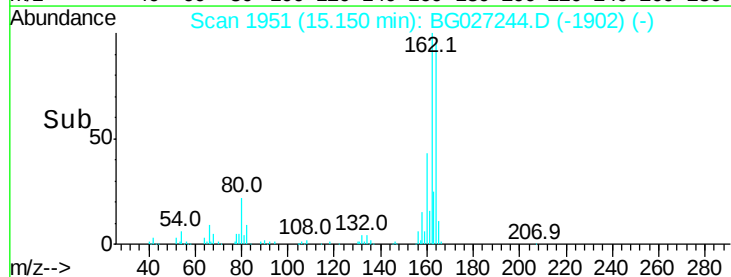
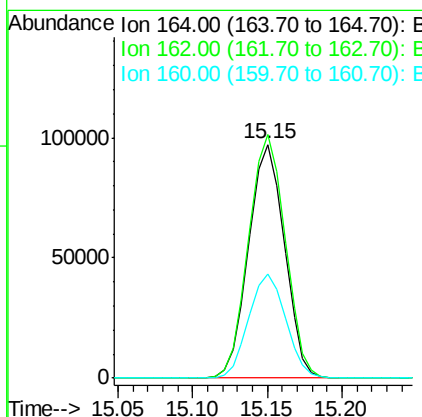
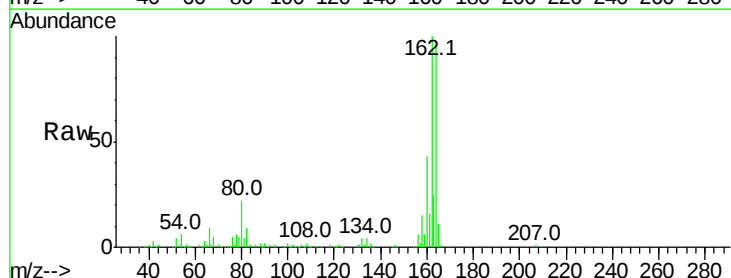
Instrument :  
BNA\_G  
ClientSampleId :

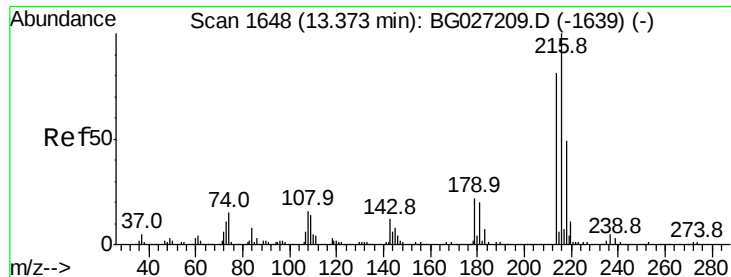
Tot Ion:142 Resp: 413778  
Ion Ratio Lower Upper  
142 100  
141 94.1 70.4 105.6  
115 36.8 35.5 53.3



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 15.15 min Scan# 1951  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:164 Resp: 161509  
Ion Ratio Lower Upper  
164 100  
162 104.0 85.1 127.7  
160 44.4 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.19 ng

RT: 13.36 min Scan# 1646

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 212296

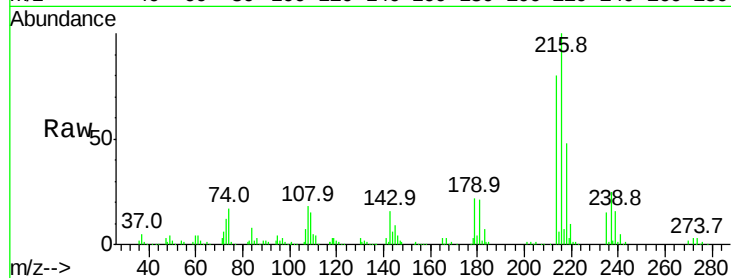
Ion Ratio Lower Upper

216 100

214 79.0 64.4 96.6

179 21.4 17.4 26.0

108 20.5 15.6 23.4

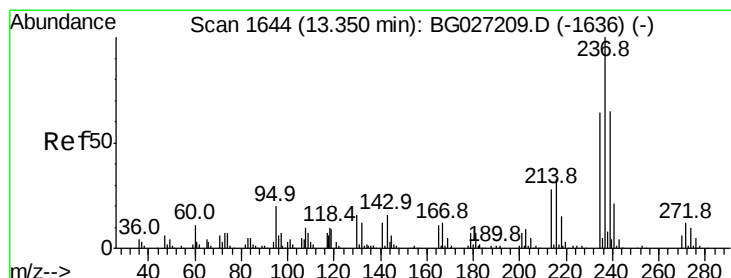
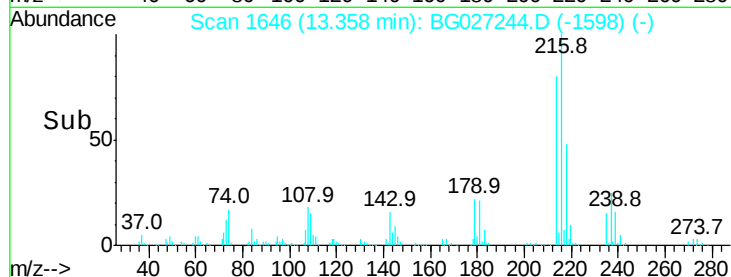
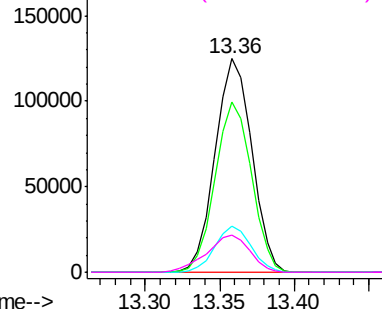


Abundance Ion 216.00 (215.70 to 216.70): E

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: 96.86 ng

RT: 13.34 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

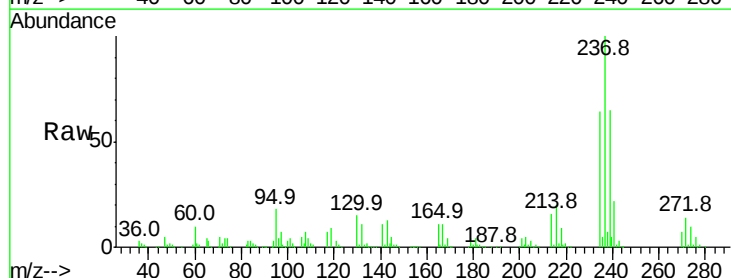
Tgt Ion:237 Resp: 259388

Ion Ratio Lower Upper

237 100

235 63.9 39.4 79.4

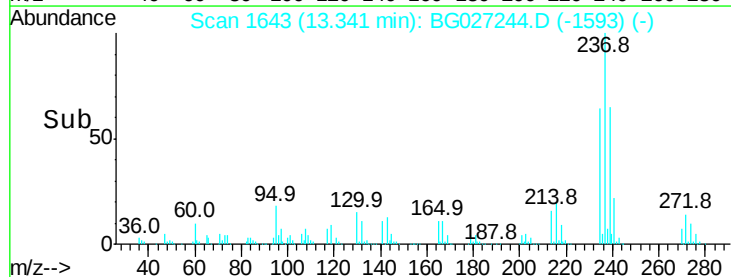
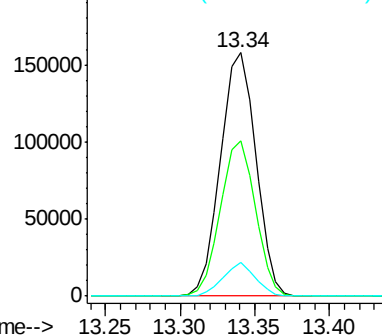
272 13.8 0.0 32.0



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: 153.78 ng

RT: 16.64 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

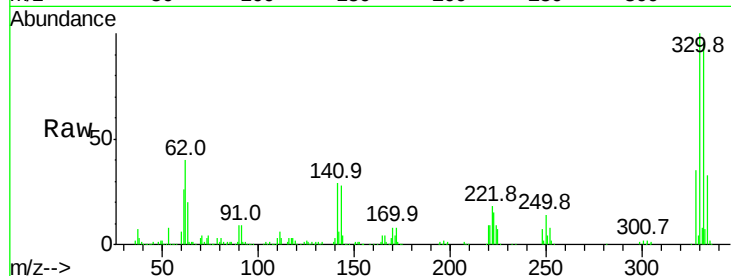
Tot Ion:330 Resp: 327067

Ion Ratio Lower Upper

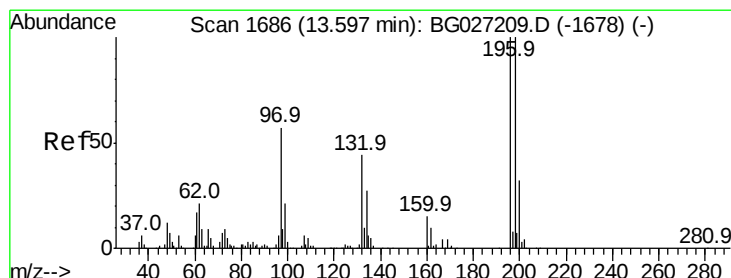
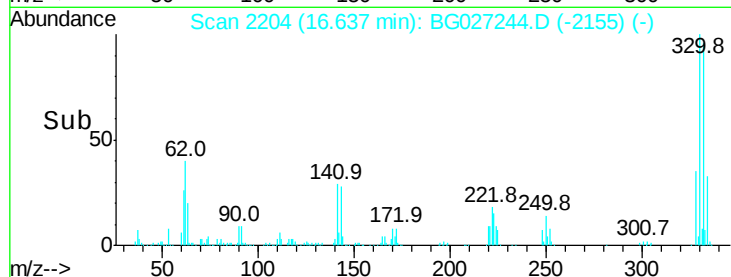
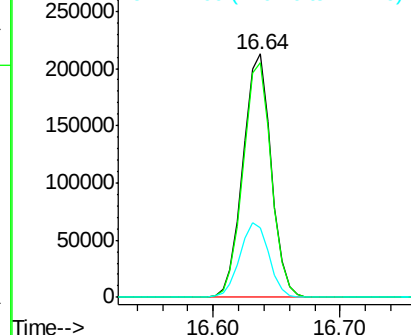
330 100

332 96.6 77.3 115.9

141 31.6 32.1 48.1#



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



#42

2,4,6-Trichlorophenol

Concen: 50.59 ng

RT: 13.59 min Scan# 1685

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

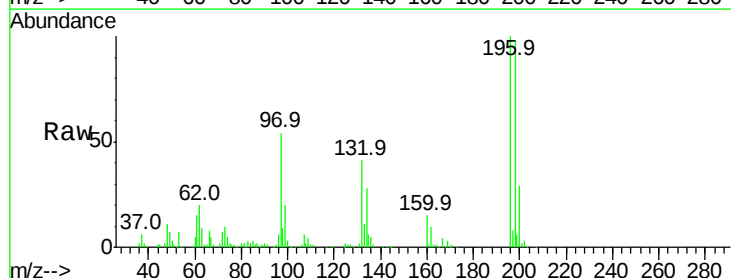
Tgt Ion:196 Resp: 154385

Ion Ratio Lower Upper

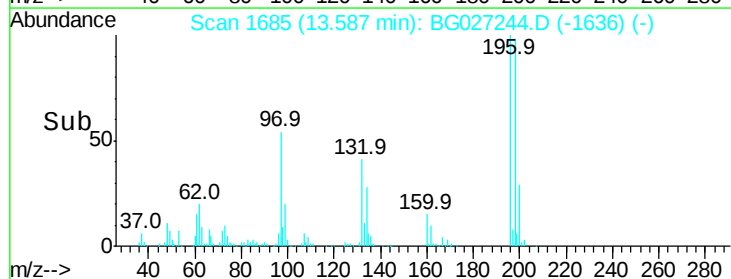
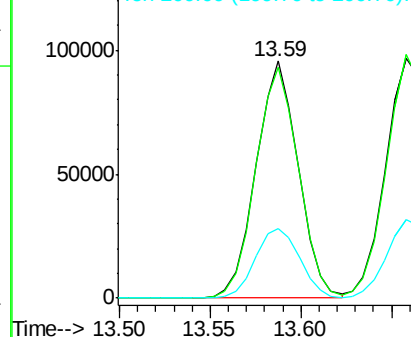
196 100

198 97.6 81.4 122.2

200 29.2 27.0 40.6



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

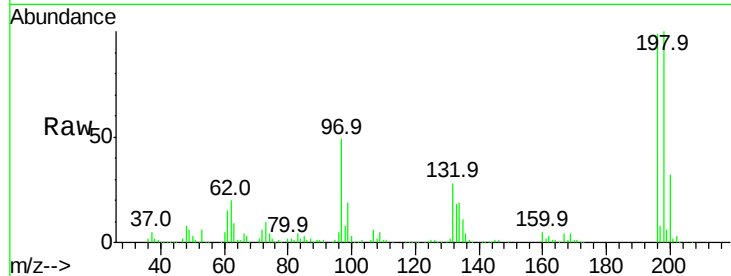




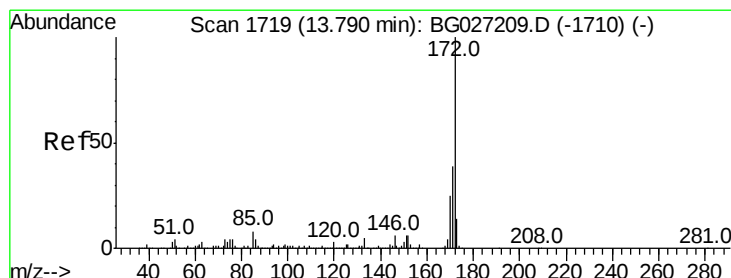
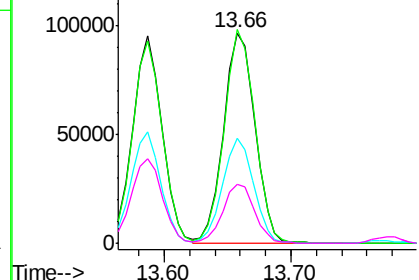
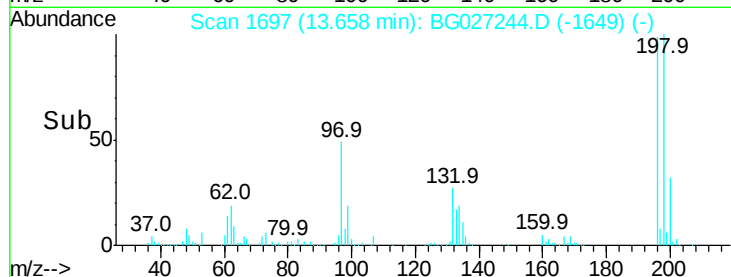
#43  
 2,4,5-Trichlorophenol  
 Concen: 48.71 ng  
 RT: 13.66 min Scan# 1697  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 196   | Resp  | 166334 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 196       | 100   |       |        |
| 198       | 101.5 | 79.9  | 119.9  |
| 97        | 49.8  | 45.4  | 68.0   |
| 132       | 27.9  | 20.7  | 31.1   |

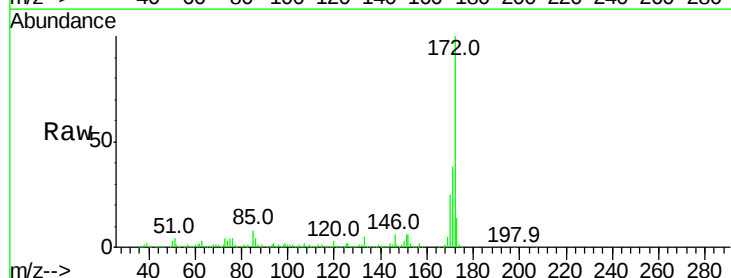


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

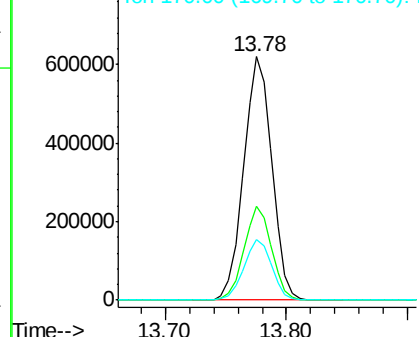
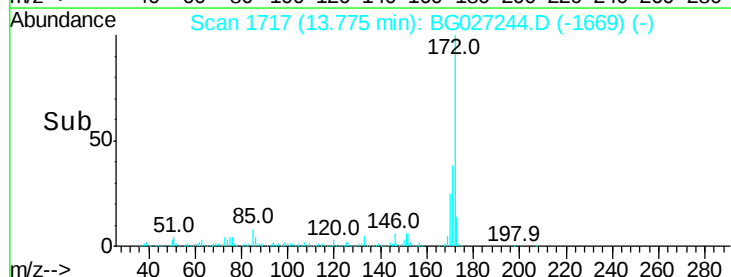


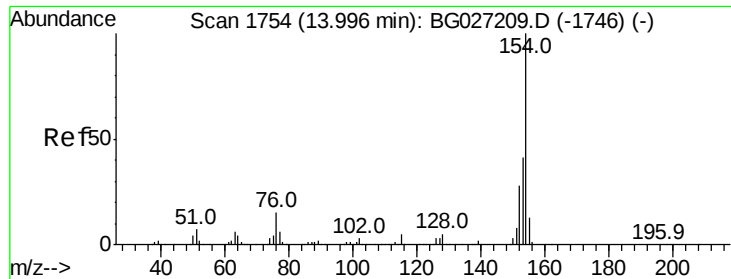
#44  
 2-Fluorobiphenyl  
 Concen: 87.11 ng  
 RT: 13.78 min Scan# 1717  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

| Tgt Ion   | 172  | Resp  | 1005645 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 172       | 100  |       |         |
| 171       | 38.5 | 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: 43.80 ng

RT: 13.99 min Scan# 1753

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

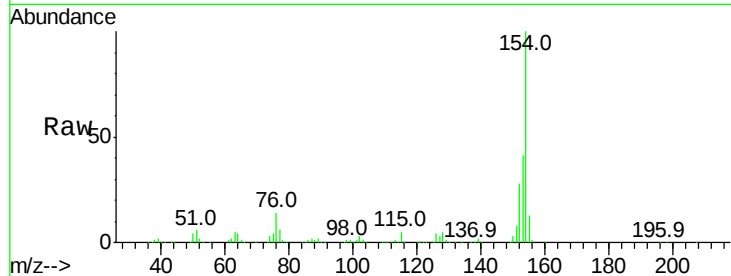
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:154 Resp: 577474

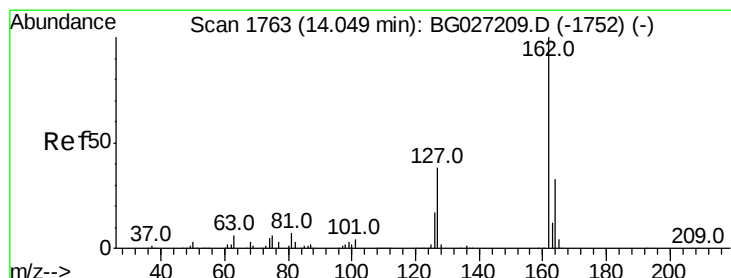
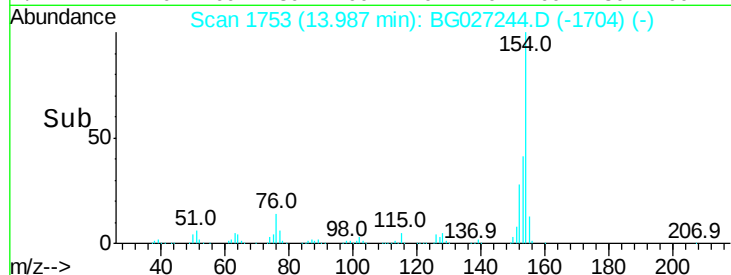
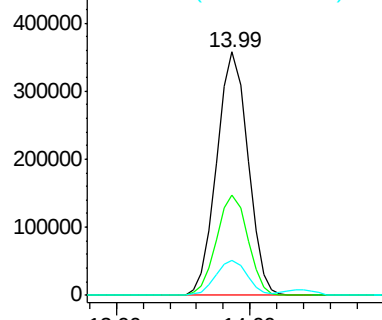
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.4  | 23.0  | 63.0  |
| 76  | 14.3  | 0.0   | 33.5  |



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): BGC



#46

2-Chloronaphthalene

Concen: 44.14 ng

RT: 14.04 min Scan# 1762

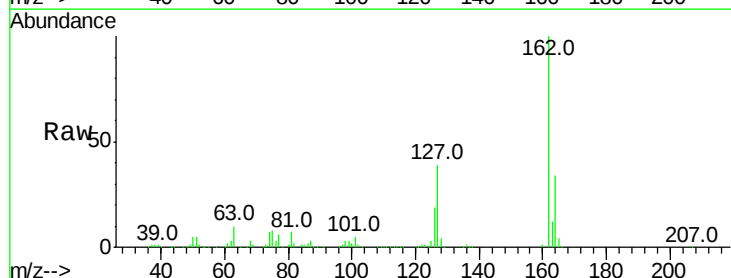
Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Tgt Ion:162 Resp: 436268

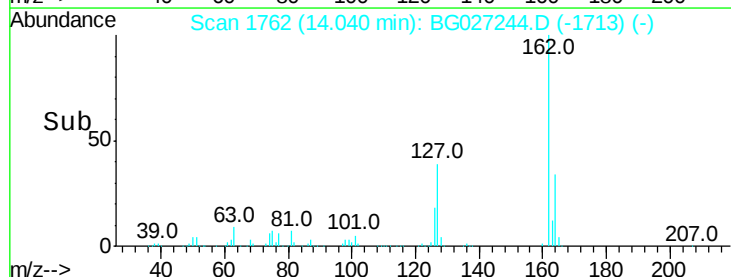
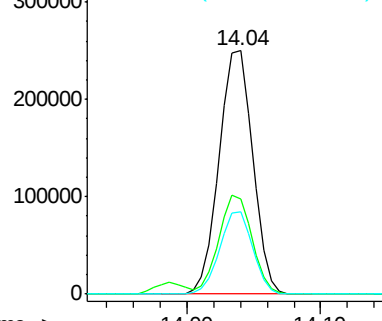
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 39.3  | 32.2  | 48.4  |
| 164 | 33.6  | 27.3  | 40.9  |



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: 50.15 ng

RT: 14.23 min Scan# 1794

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

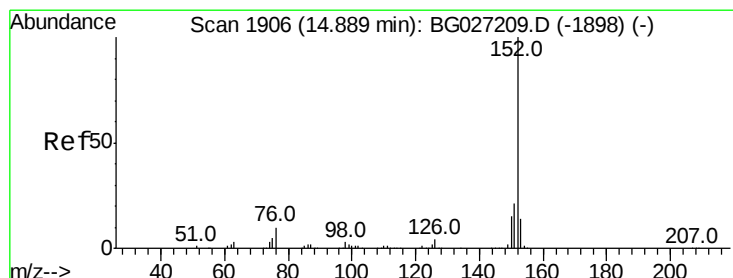
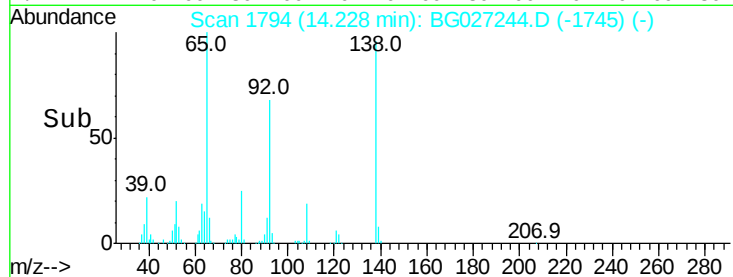
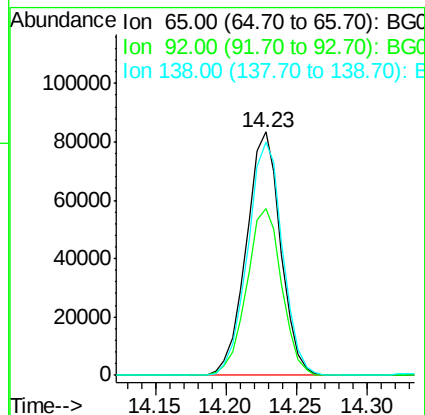
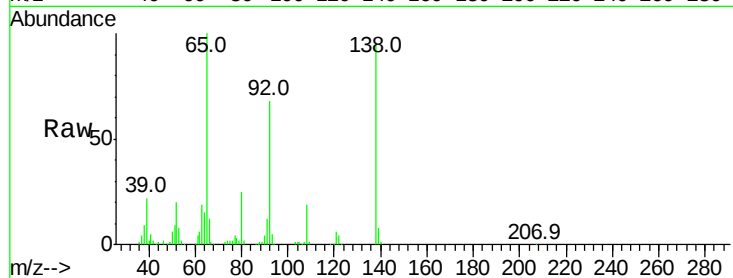
Tot Ion: 65 Resp: 141960

Ion Ratio Lower Upper

65 100

92 68.5 49.0 73.4

138 96.0 58.6 87.8#



#48

Acenaphthylene

Concen: 42.43 ng

RT: 14.87 min Scan# 1904

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

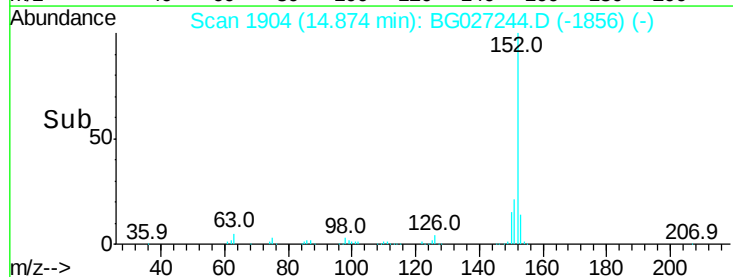
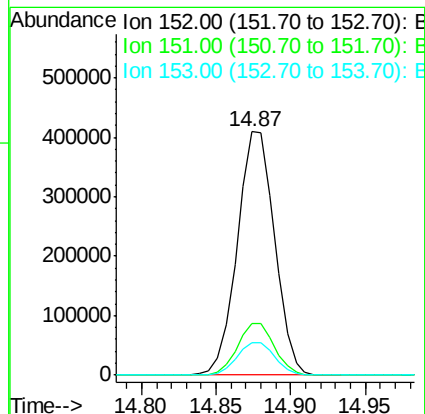
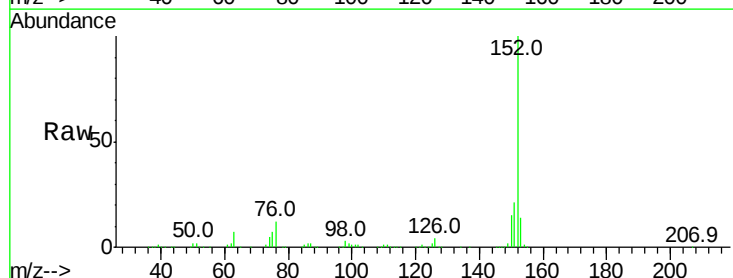
Tgt Ion: 152 Resp: 709755

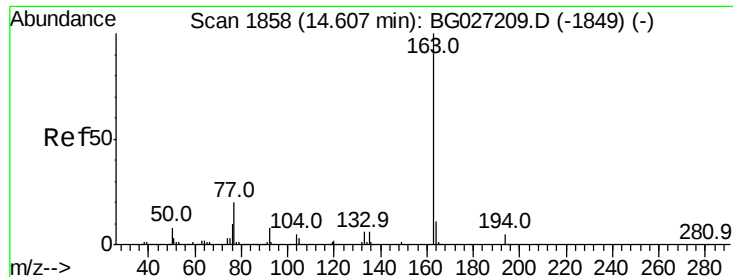
Ion Ratio Lower Upper

152 100

151 21.4 18.2 27.2

153 13.6 11.3 16.9





#49

Dimethylphthalate

Concen: 59.49 ng

RT: 14.59 min Scan# 1856

Delta R.T. -0.02 min

Lab File: BG027244.D

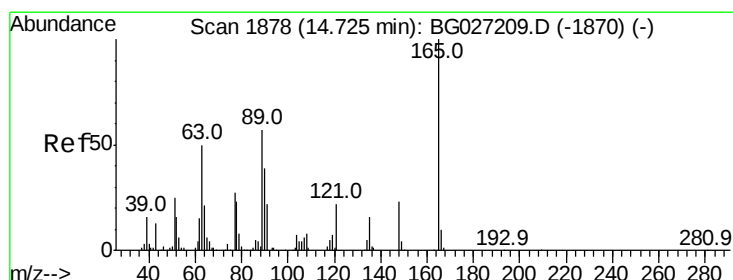
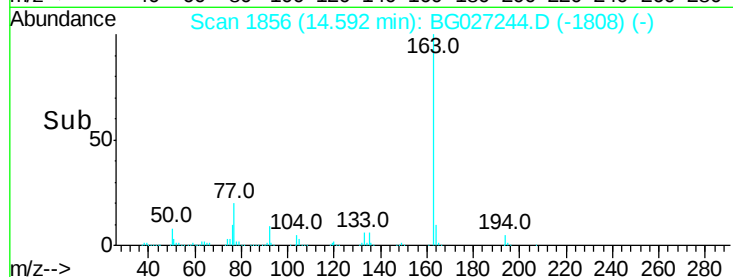
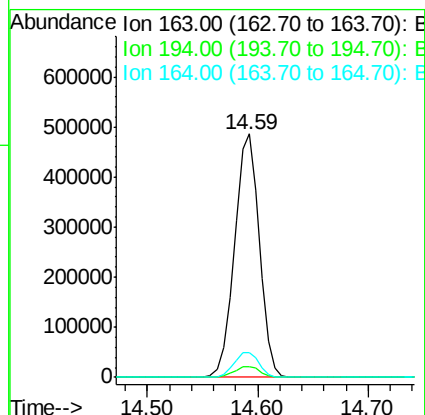
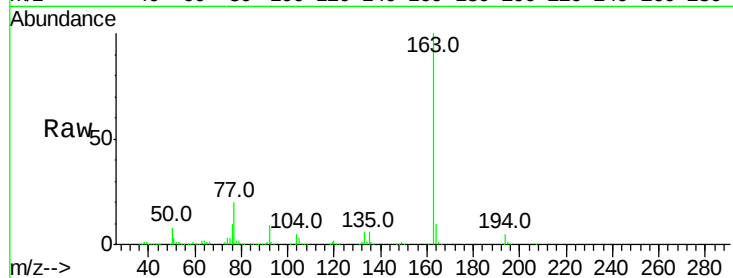
Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:163 | Resp: | 762137   |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.5   | 3.8 5.6  |
| 164         | 10.4  | 9.3 13.9 |



#50

2,6-Dinitrotoluene

Concen: 48.50 ng

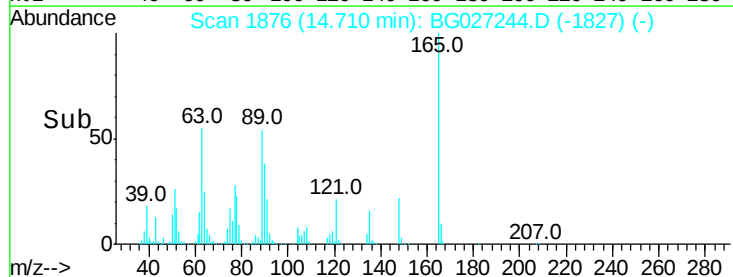
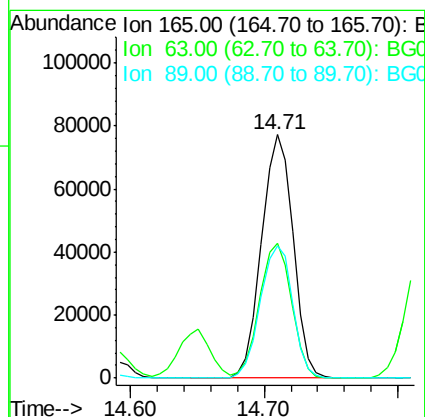
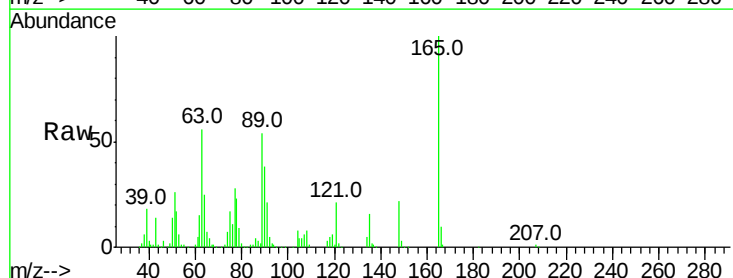
RT: 14.71 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 126399     |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 55.5  | 63.9 95.9# |
| 89          | 54.2  | 58.6 88.0# |





#51

Acenaphthene

Concen: 44.90 ng

RT: 15.21 min Scan# 1962

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

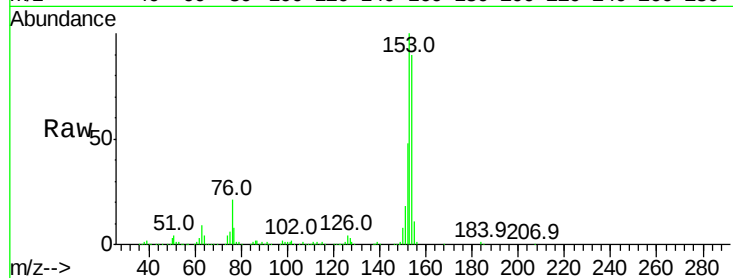
Tot Ion:154 Resp: 488522

Ion Ratio Lower Upper

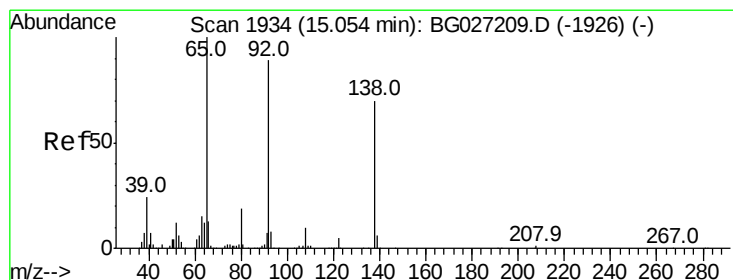
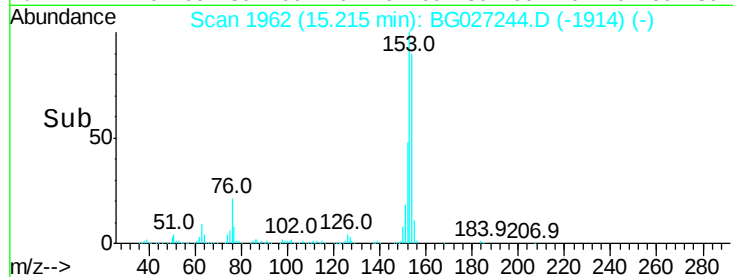
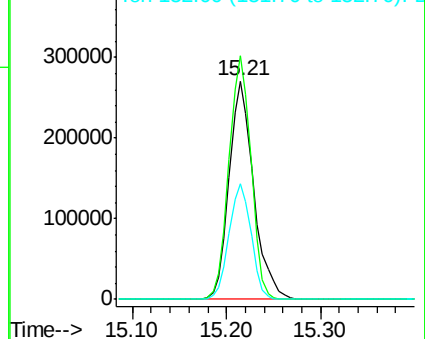
154 100

153 111.7 87.8 131.6

152 53.3 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: 22.12 ng

RT: 15.04 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

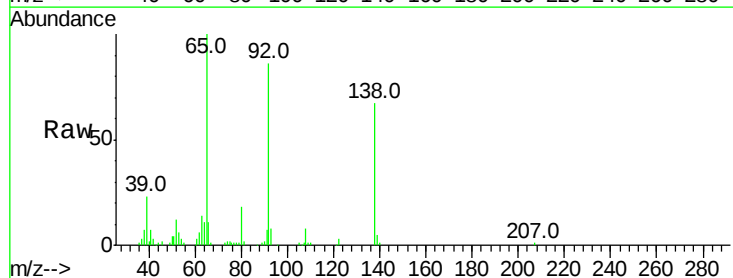
Tgt Ion:138 Resp: 50855

Ion Ratio Lower Upper

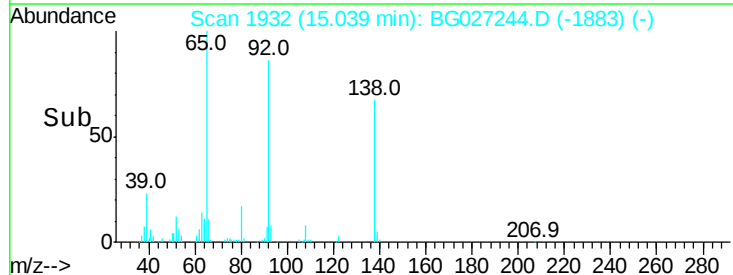
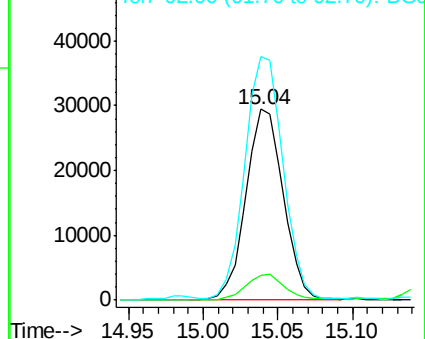
138 100

108 12.6 10.9 16.3

92 127.7 115.3 172.9



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): BGC

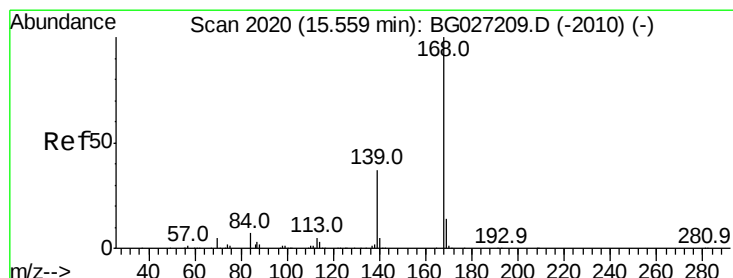
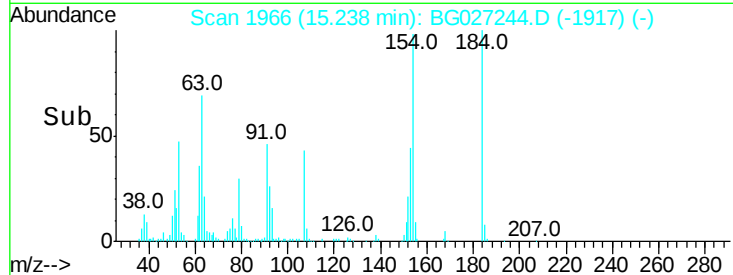
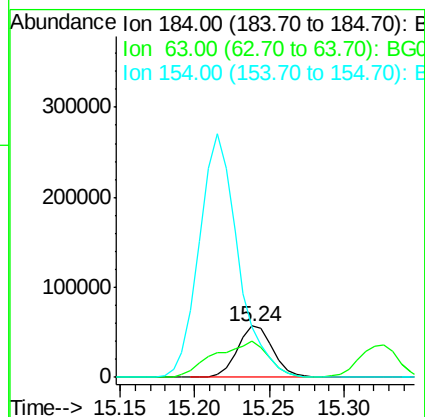
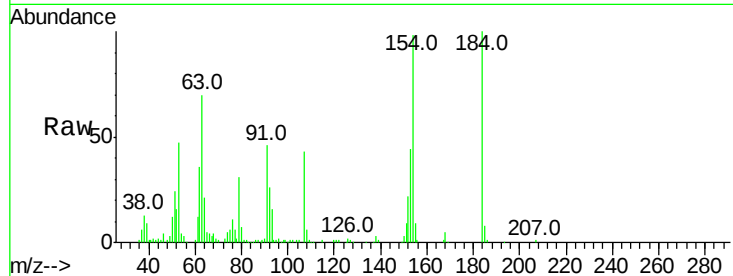




#53  
2,4-Dinitrophenol  
Concen: 76.49 ng  
RT: 15.24 min Scan# 1966  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

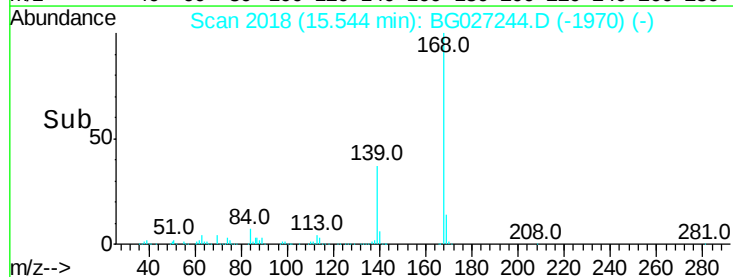
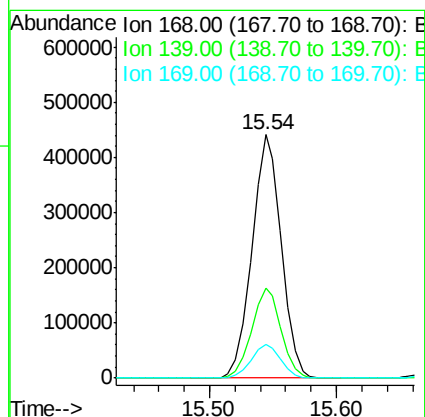
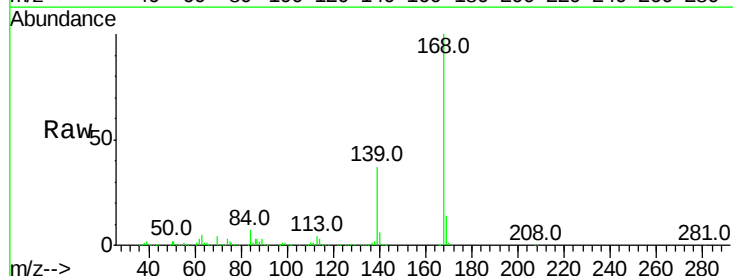
Instrument :  
BNA\_G  
ClientSampleId :

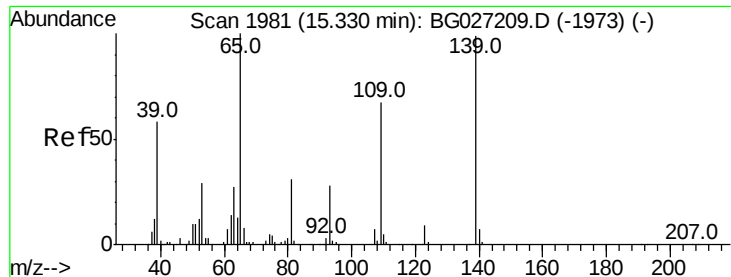
Tot Ion:184 Resp: 93994  
Ion Ratio Lower Upper  
184 100  
63 69.7 52.7 79.1  
154 98.3 57.3 85.9#



#54  
Dibenzofuran  
Concen: 46.45 ng  
RT: 15.54 min Scan# 2018  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:168 Resp: 706277  
Ion Ratio Lower Upper  
168 100  
139 36.8 35.3 52.9  
169 13.7 11.5 17.3

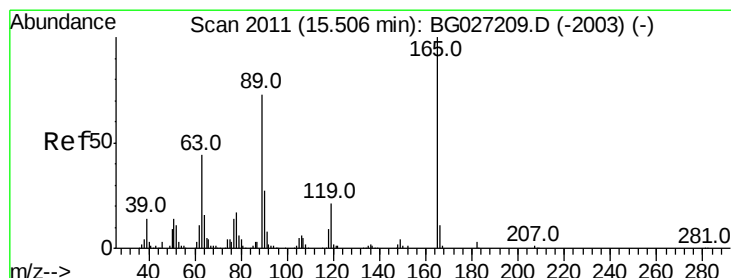
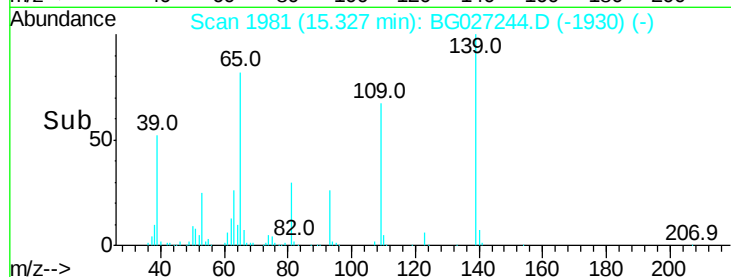
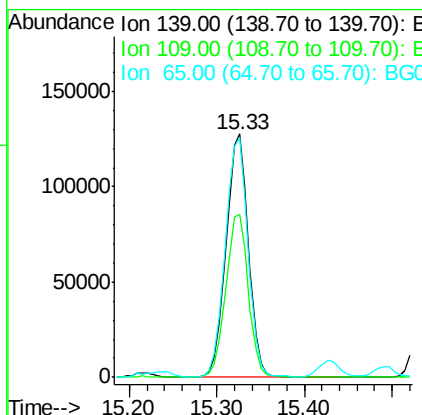
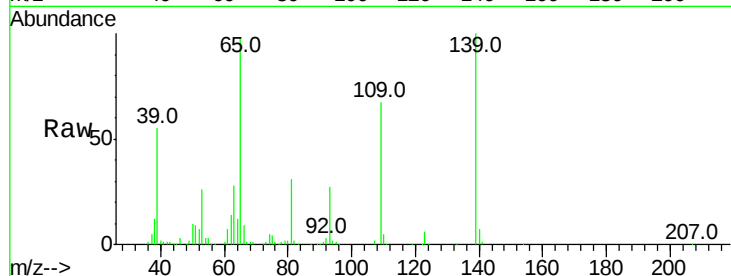




#55  
4-Nitrophenol  
Concen: 91.51 ng  
RT: 15.33 min Scan# 1981  
Delta R.T. -0.00 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

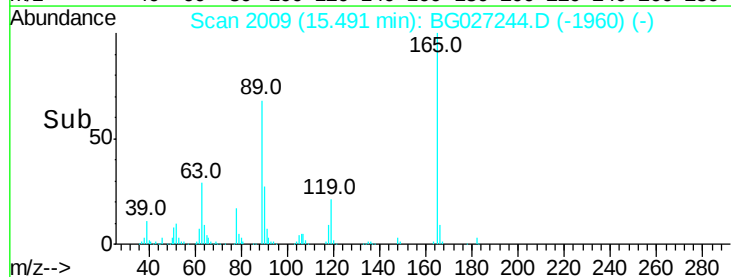
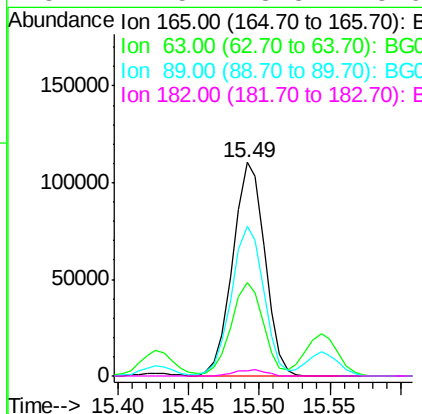
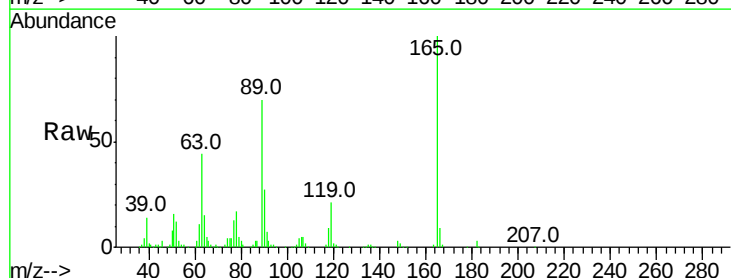
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 67.0  | 101.2 | 141.2# |
| 65      | 98.2  | 135.3 | 175.3# |



#56  
2,4-Dinitrotoluene  
Concen: 51.96 ng  
RT: 15.49 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 43.9  | 44.0  | 66.0# |
| 89      | 69.9  | 67.3  | 100.9 |
| 182     | 2.5   | 3.8   | 5.6#  |





#57

Fluorene

Concen: 42.71 ng

RT: 16.20 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

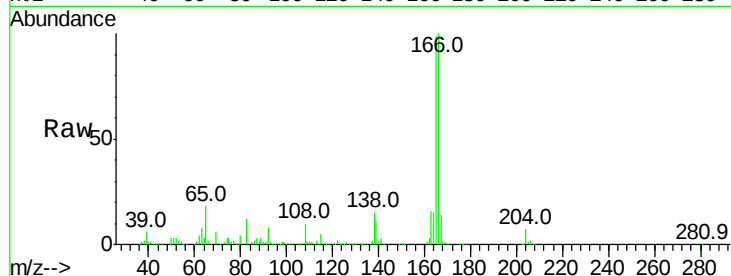
Tot Ion:166 Resp: 576751

Ion Ratio Lower Upper

166 100

165 98.5 78.6 117.8

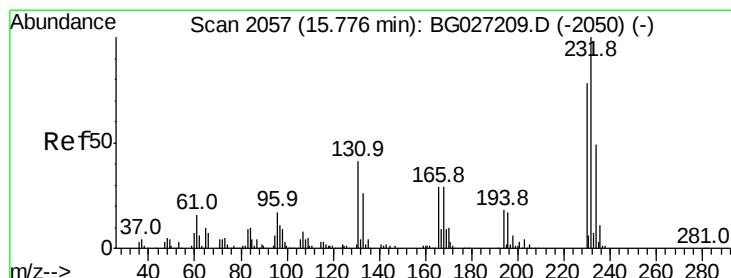
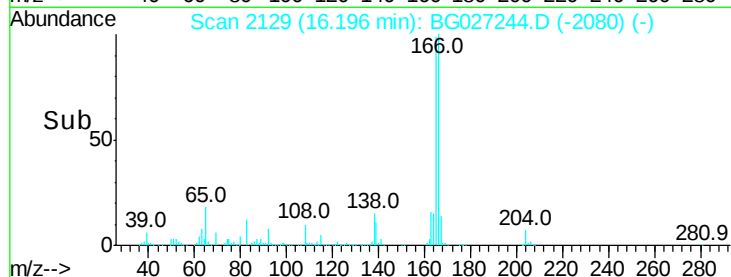
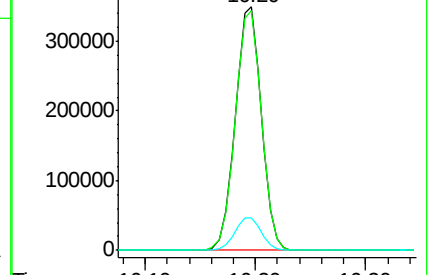
167 13.6 11.6 17.4



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: 53.11 ng

RT: 15.76 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Tgt Ion:232 Resp: 161904

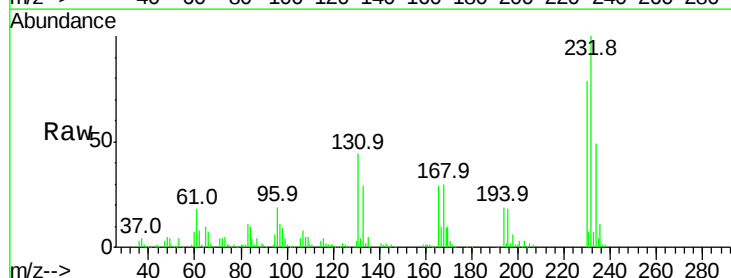
Ion Ratio Lower Upper

232 100

131 43.3 34.9 52.3

130 2.5 2.3 3.5

166 29.9 24.2 36.4

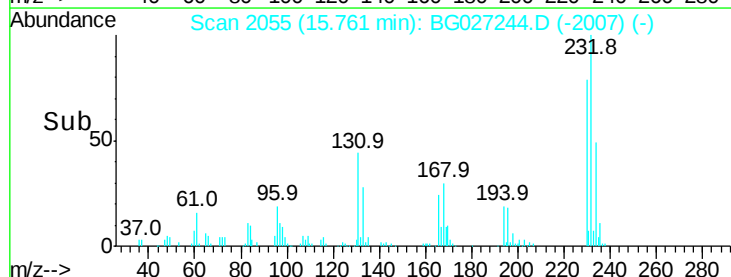
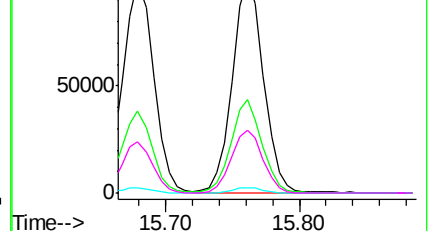


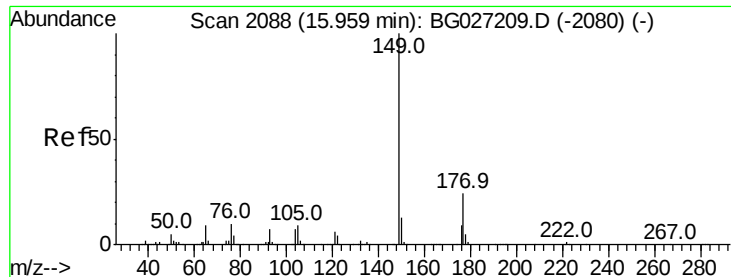
Abundance Ion 232.00 (231.70 to 232.70): E

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

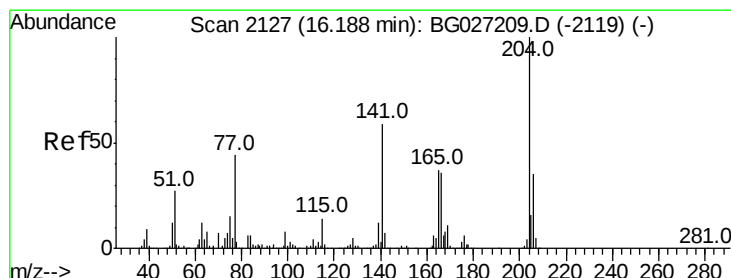
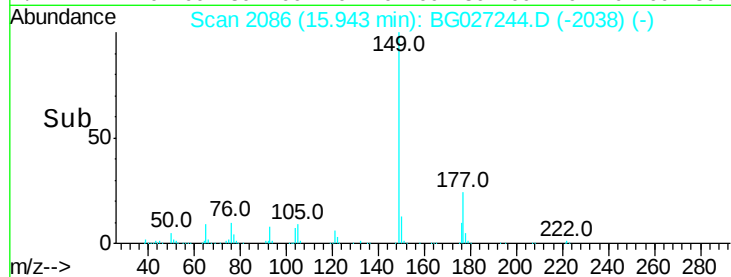
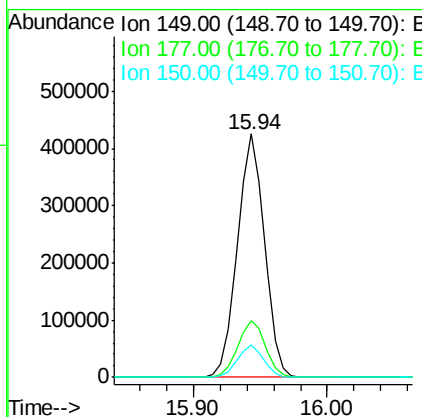
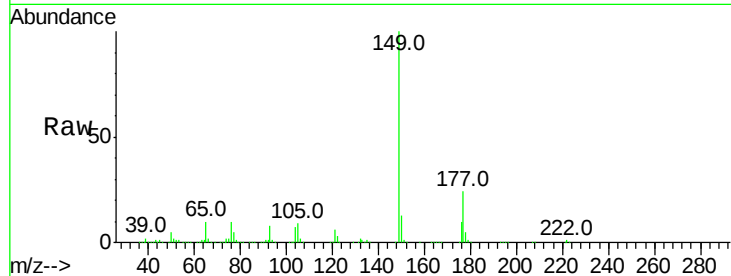




#59  
Diethylphthalate  
Concen: 46.63 ng  
RT: 15.94 min Scan# 2086  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

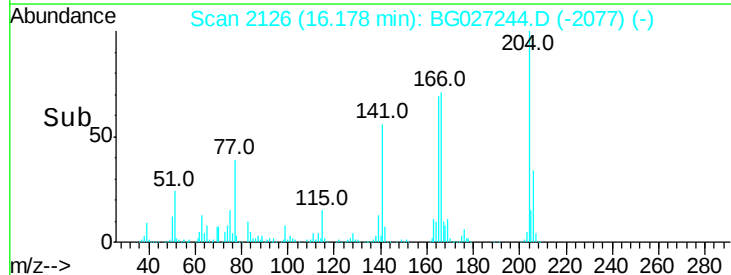
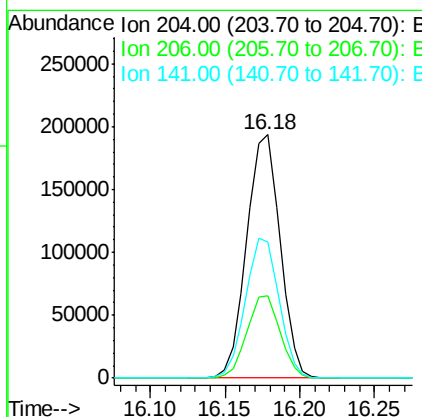
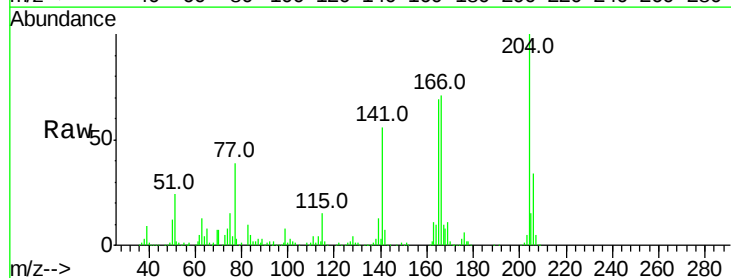
Instrument :  
BNA\_G  
ClientSampleId :

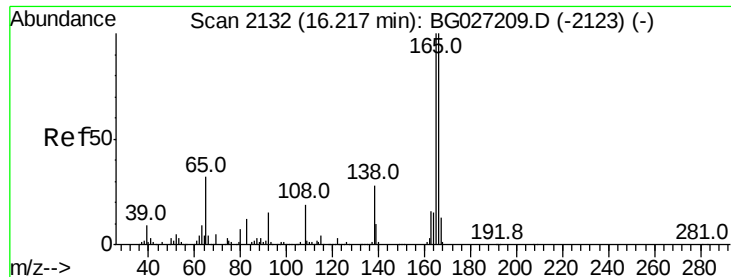
Tot Ion:149 Resp: 595940  
Ion Ratio Lower Upper  
149 100  
177 23.6 20.1 30.1  
150 13.4 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 43.98 ng  
RT: 16.18 min Scan# 2126  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:204 Resp: 299166  
Ion Ratio Lower Upper  
204 100  
206 33.7 30.1 45.1  
141 56.1 50.6 76.0

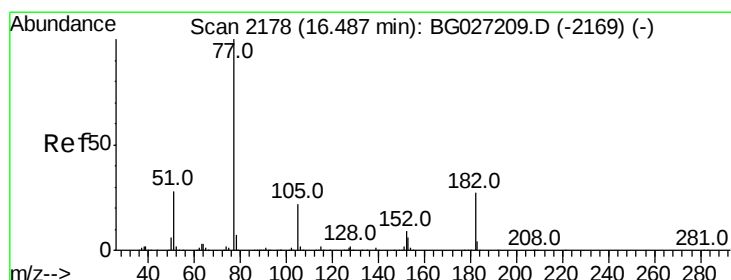
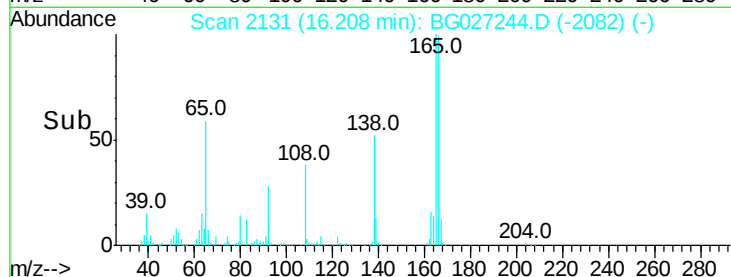
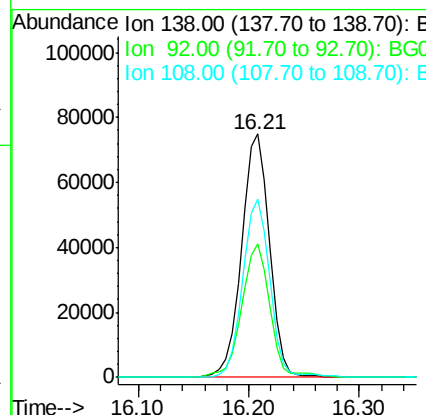
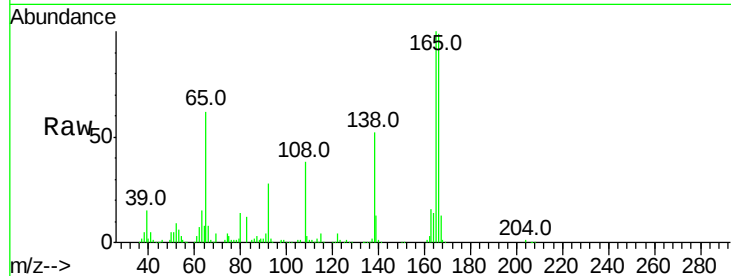




#61  
4-Nitroaniline  
Concen: 48.02 ng  
RT: 16.21 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

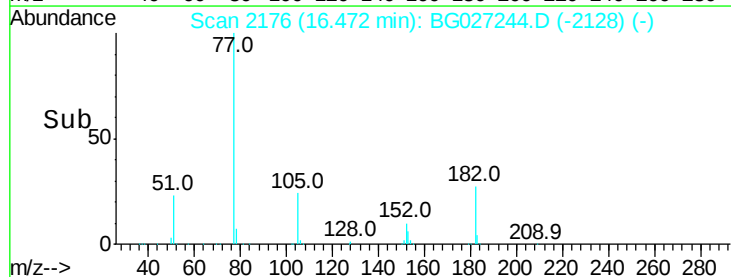
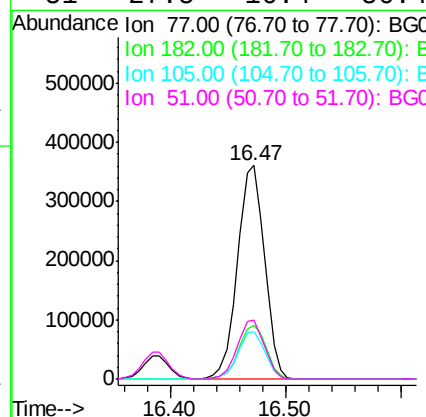
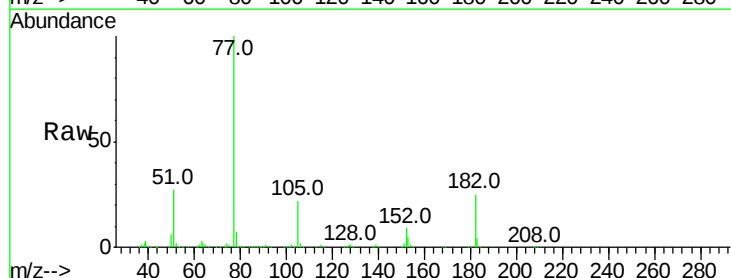
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 132686  
Ion Ratio Lower Upper  
138 100  
92 54.9 44.2 84.2  
108 73.1 104.8 144.8#



#62  
Azobenzene  
Concen: 49.47 ng  
RT: 16.47 min Scan# 2176  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion: 77 Resp: 585895  
Ion Ratio Lower Upper  
77 100  
182 25.1 4.7 44.7  
105 22.4 0.0 36.3  
51 27.5 16.4 56.4

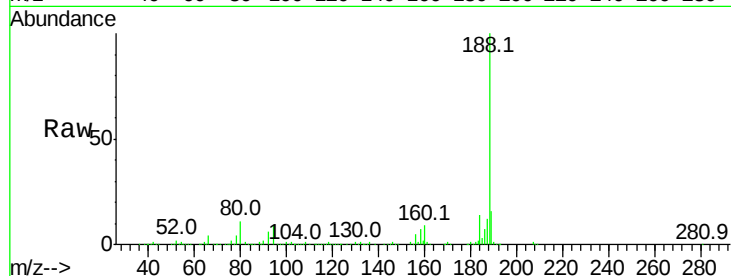




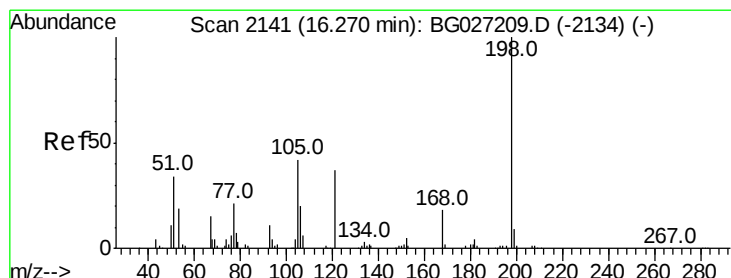
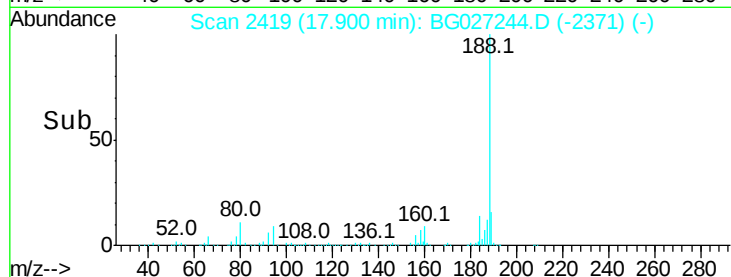
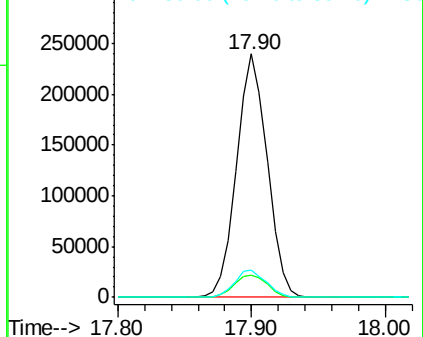
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.90 min Scan# 2419  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 380507  
Ion Ratio Lower Upper  
188 100  
94 9.3 5.8 8.8#  
80 11.0 7.5 11.3

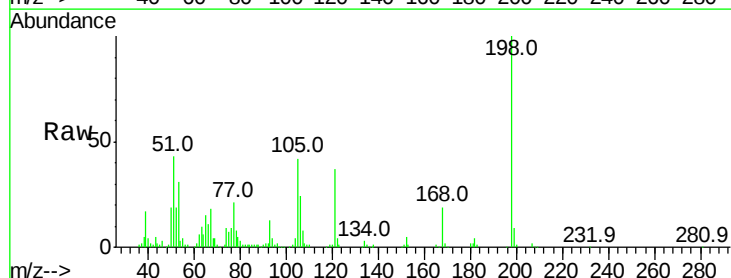


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

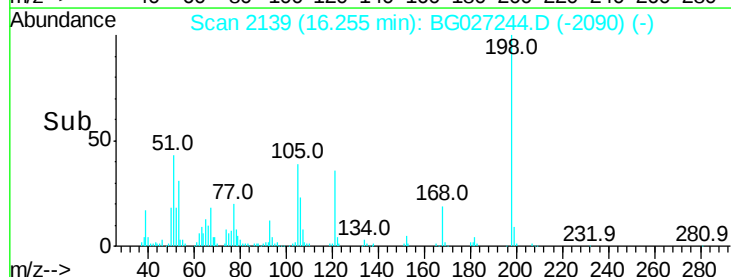
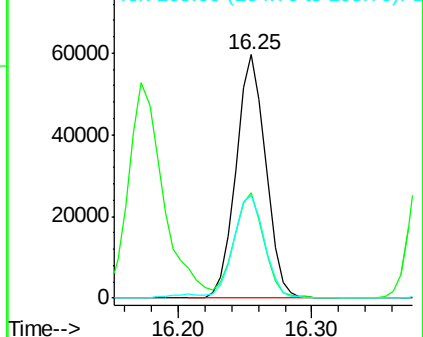


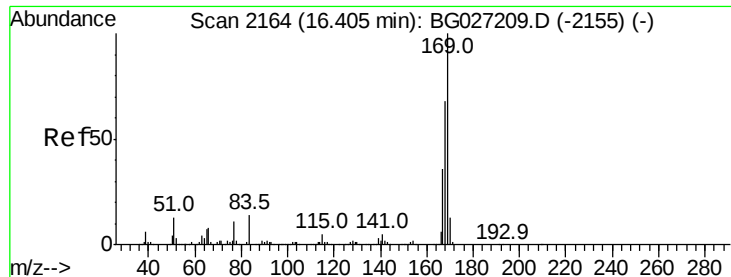
#64  
4,6-Dinitro-2-methylphenol  
Concen: 52.51 ng  
RT: 16.25 min Scan# 2139  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:198 Resp: 91811  
Ion Ratio Lower Upper  
198 100  
51 43.2 22.6 62.6  
105 42.0 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 105.00 (104.70 to 105.70): E

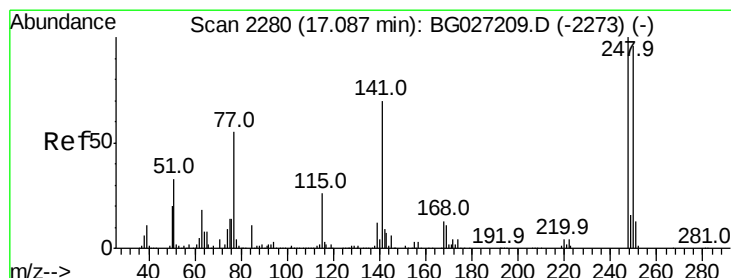
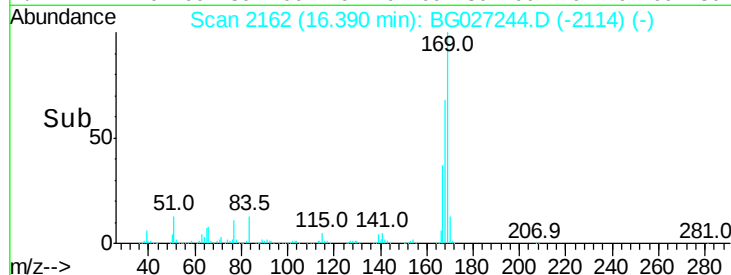
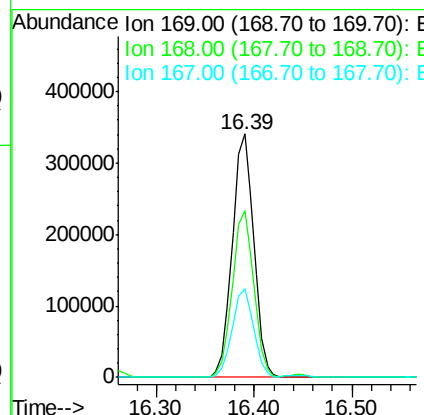
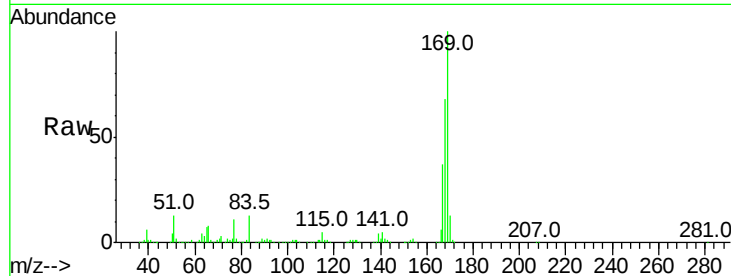




#65  
 n-Nitrosodiphenylamine  
 Concen: 43.76 ng  
 RT: 16.39 min Scan# 2162  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

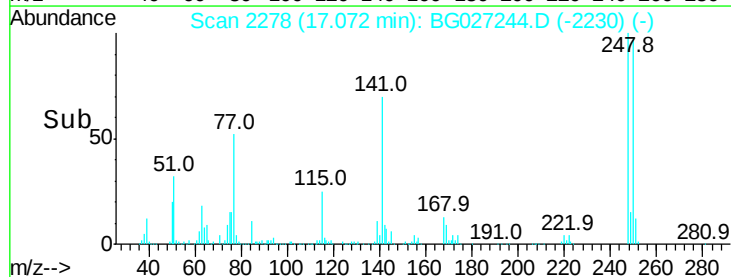
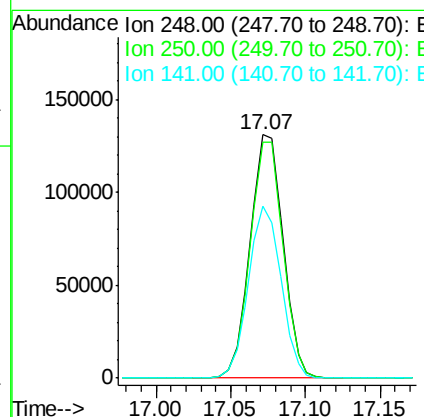
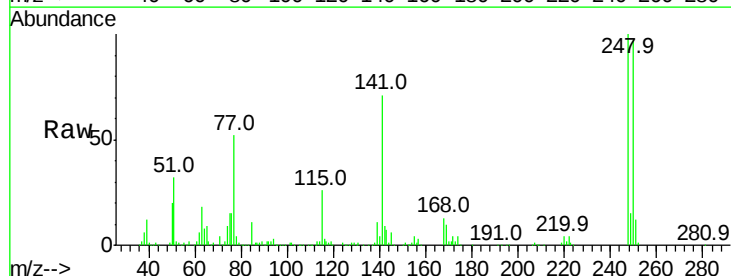
Instrument :  
 BNA\_G  
 ClientSampleId :

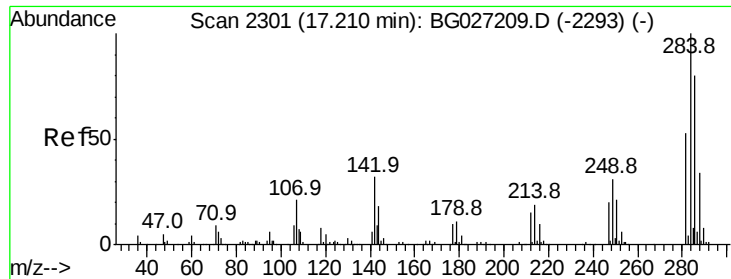
Tot Ion:169 Resp: 522036  
 Ion Ratio Lower Upper  
 169 100  
 168 68.5 55.7 83.5  
 167 36.6 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 44.34 ng  
 RT: 17.07 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

Tgt Ion:248 Resp: 199702  
 Ion Ratio Lower Upper  
 248 100  
 250 97.1 75.0 112.6  
 141 70.6 55.2 82.8

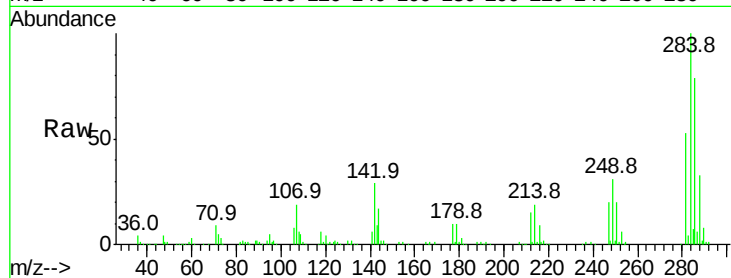




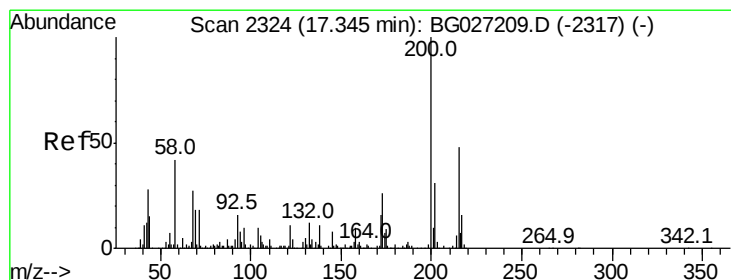
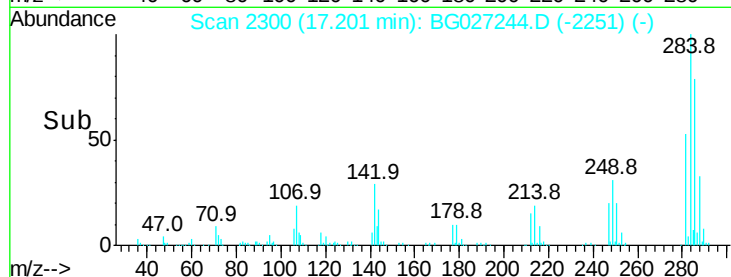
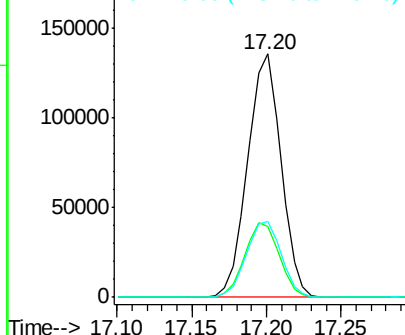
#67  
Hexachlorobenzene  
Concen: 43.36 ng  
RT: 17.20 min Scan# 2300  
Delta R.T. -0.01 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 210021  
Ion Ratio Lower Upper  
284 100  
142 29.1 29.9 44.9#  
249 31.1 29.2 43.8

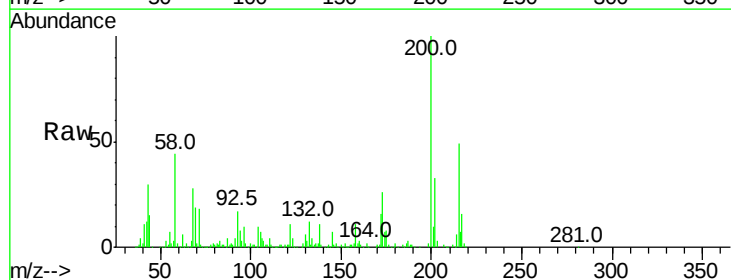


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

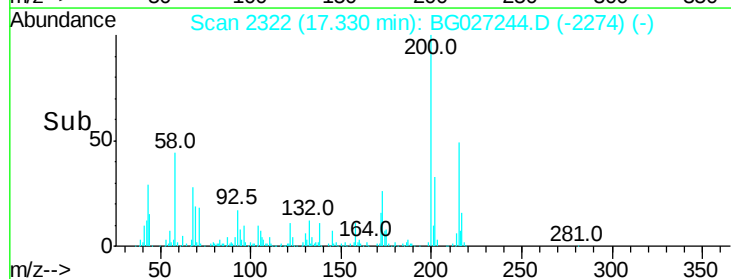
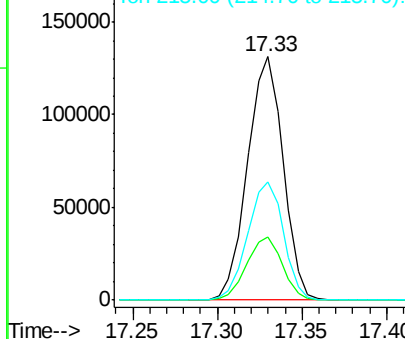


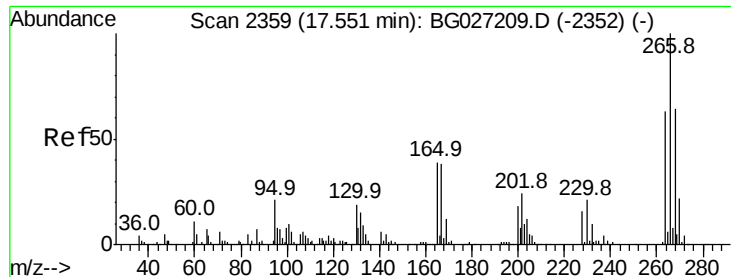
#68  
Atrazine  
Concen: 48.39 ng  
RT: 17.33 min Scan# 2322  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:200 Resp: 193041  
Ion Ratio Lower Upper  
200 100  
173 26.1 3.0 43.0  
215 48.7 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: 90.84 ng

RT: 17.54 min Scan# 2357

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

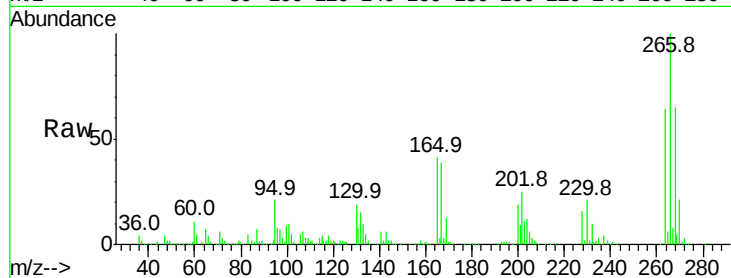
Tot Ion:266 Resp: 257938

Ion Ratio Lower Upper

266 100

268 65.1 48.6 72.8

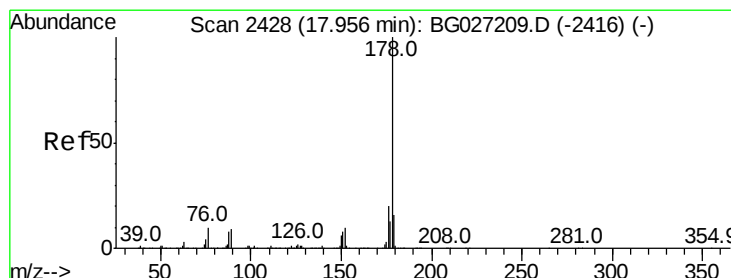
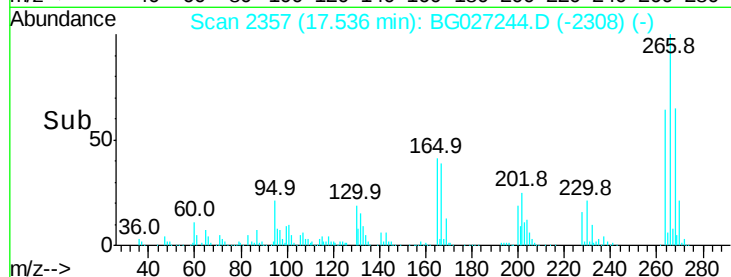
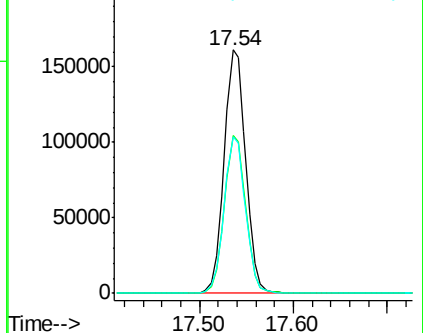
264 64.2 50.1 75.1



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: 43.92 ng

RT: 17.95 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

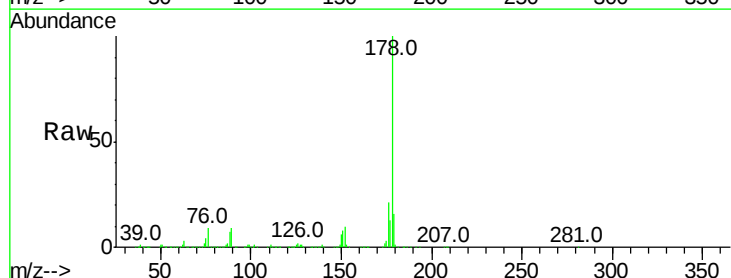
Tgt Ion:178 Resp: 940181

Ion Ratio Lower Upper

178 100

176 20.9 17.7 26.5

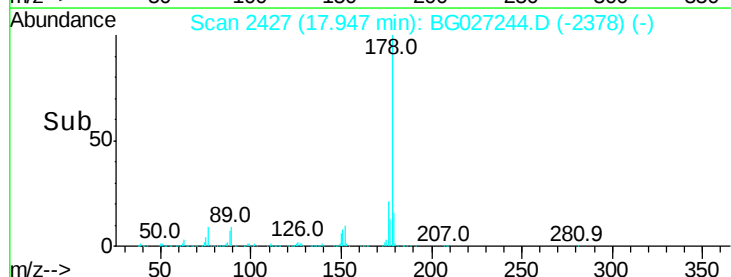
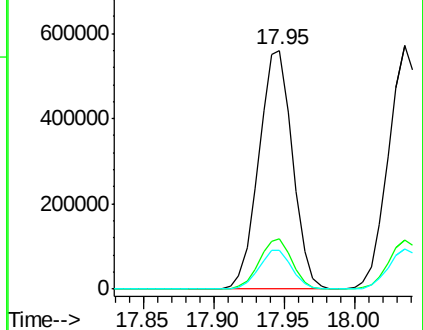
179 16.1 15.0 22.6



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

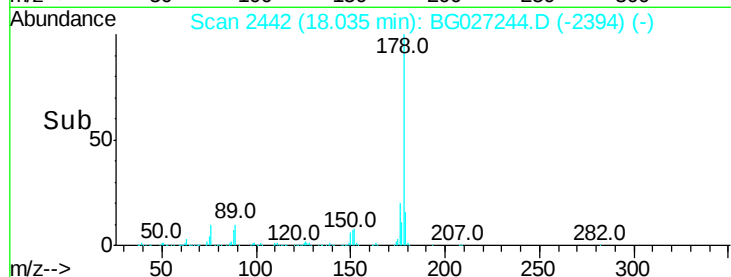
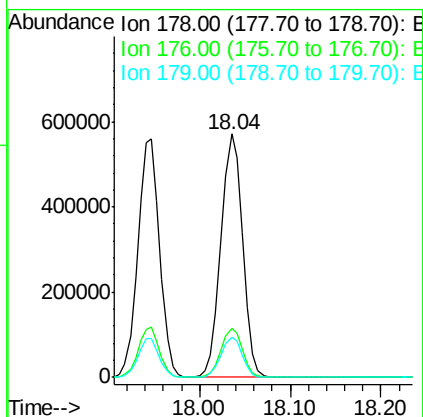
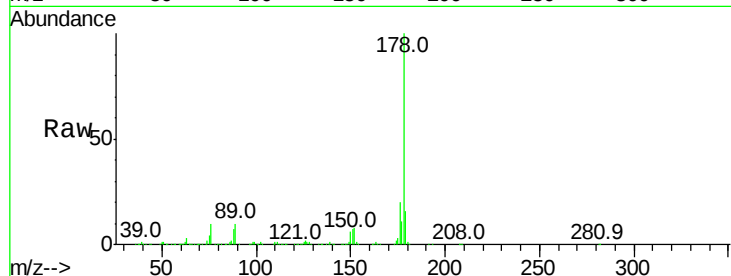




#71  
 Anthracene  
 Concen: 43.95 ng  
 RT: 18.04 min Scan# 2442  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

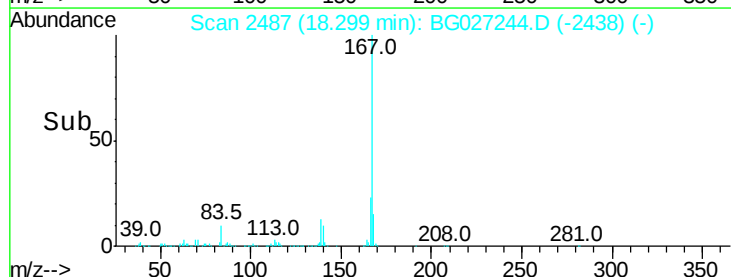
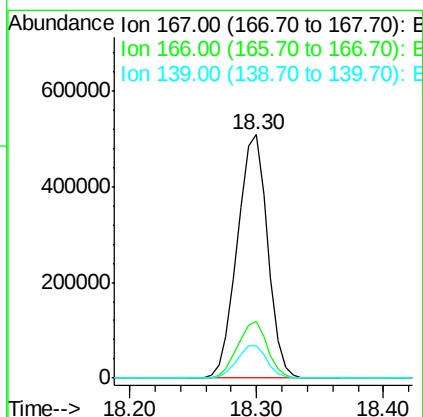
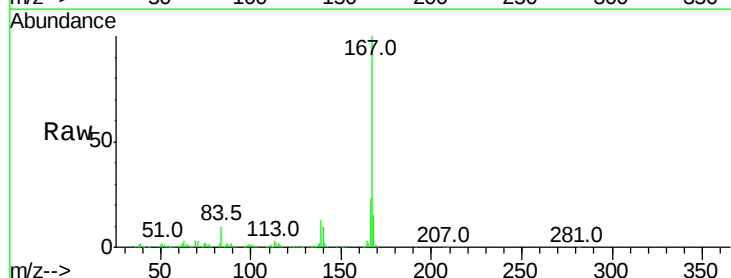
Instrument :  
 BNA\_G  
 ClientSampleId :

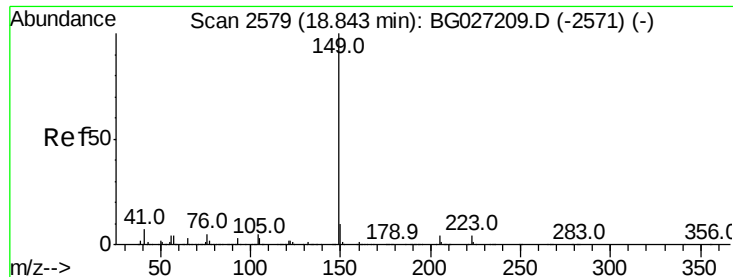
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 16.4  | 24.6  |
| 179     | 16.3  | 13.8  | 20.8  |



#72  
 Carbazole  
 Concen: 41.48 ng  
 RT: 18.30 min Scan# 2487  
 Delta R.T. -0.01 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.4  | 20.2  | 30.2  |
| 139     | 13.4  | 12.8  | 19.2  |

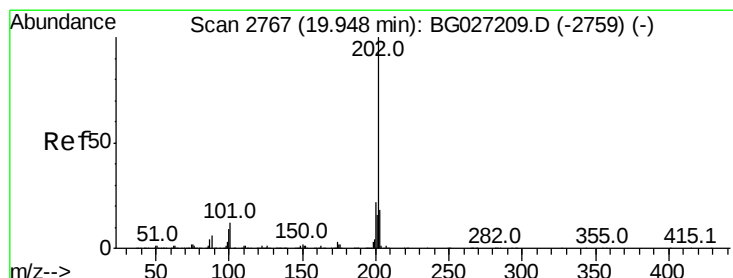
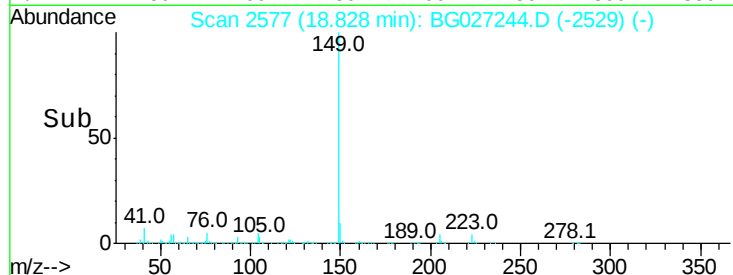
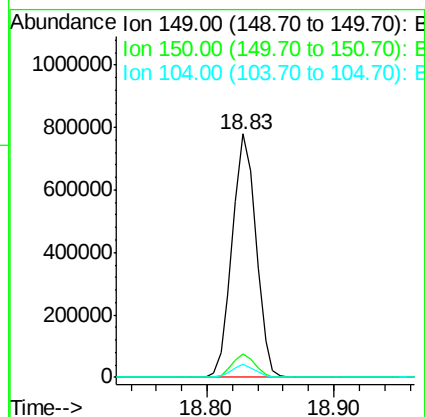
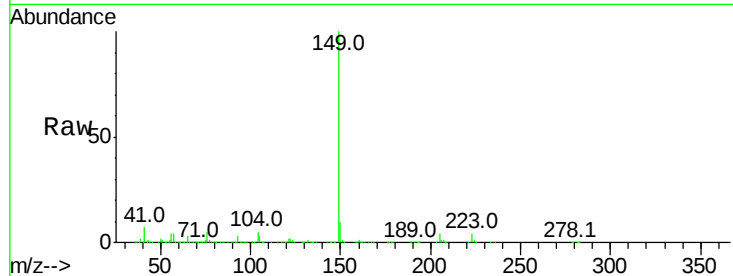




#73  
Di-n-butylphthalate  
Concen: 51.39 ng  
RT: 18.83 min Scan# 2577  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

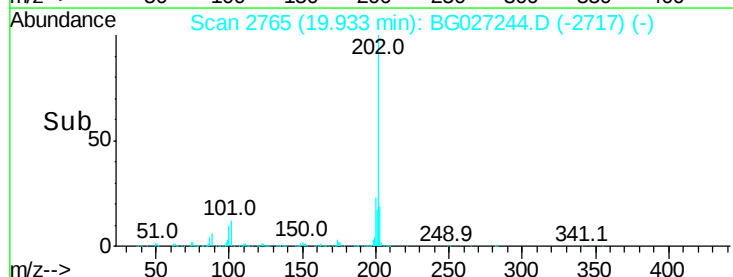
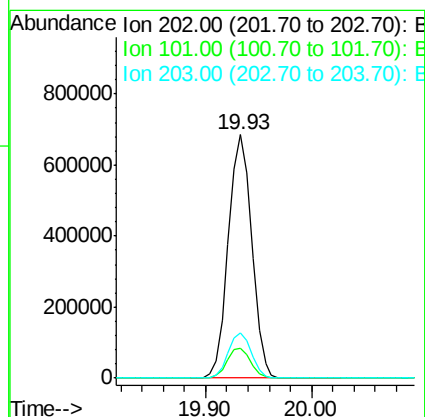
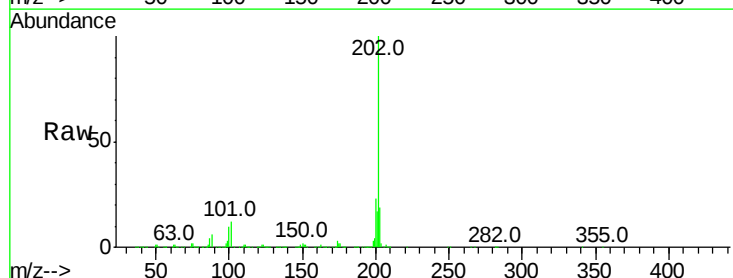
Instrument :  
BNA\_G  
ClientSampleId :

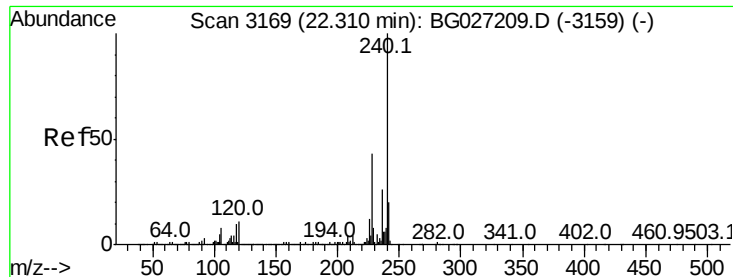
Tot Ion:149 Resp: 1008006  
Ion Ratio Lower Upper  
149 100  
150 9.8 9.1 13.7  
104 5.3 6.7 10.1#



#74  
Fluoranthene  
Concen: 45.91 ng  
RT: 19.93 min Scan# 2765  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:202 Resp: 1050085  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 30.1  
203 18.6 1.3 41.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.29 min Scan# 3167

Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

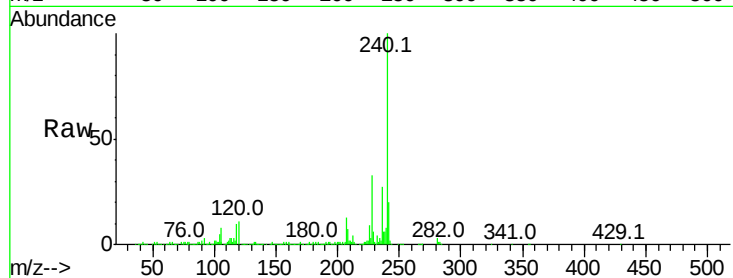
Tot Ion:240 Resp: 428373

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

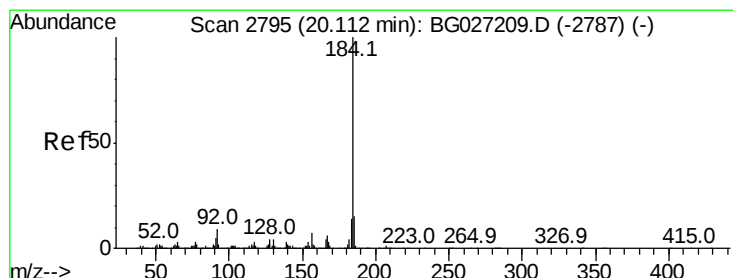
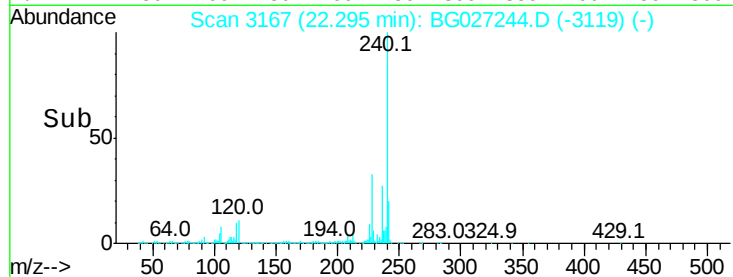
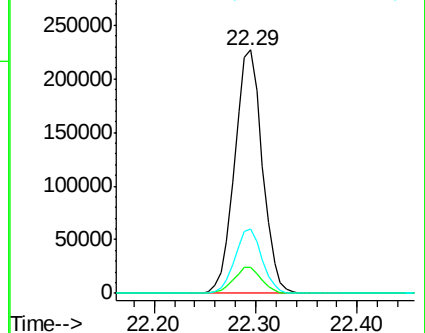
236 26.5 22.2 33.4



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: 22.59 ng

RT: 20.10 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

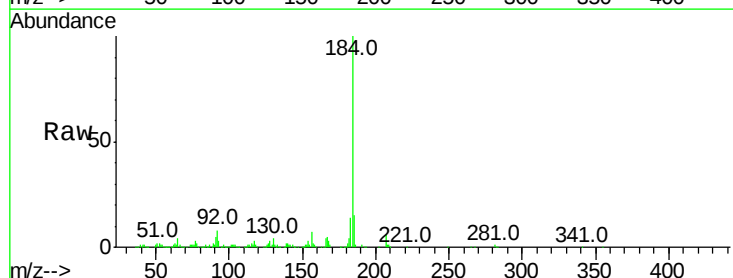
Tgt Ion:184 Resp: 291515

Ion Ratio Lower Upper

184 100

185 14.8 13.0 19.6

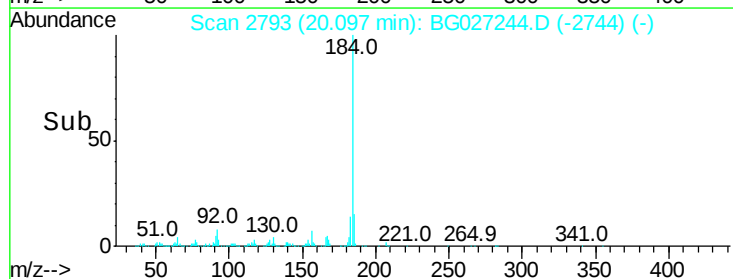
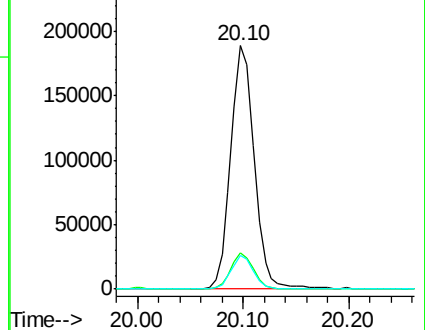
183 13.7 11.0 16.6

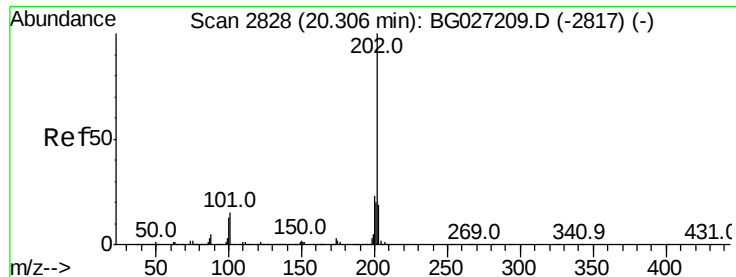


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 41.90 ng

RT: 20.30 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

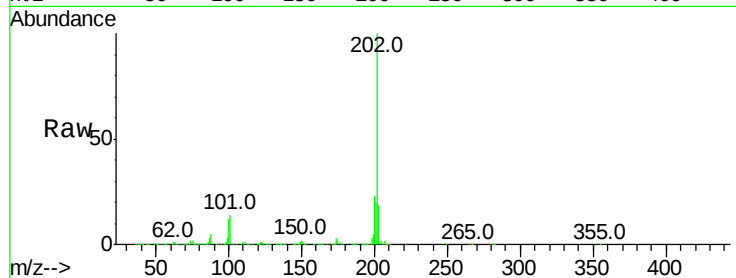
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:202 Resp: 1084428

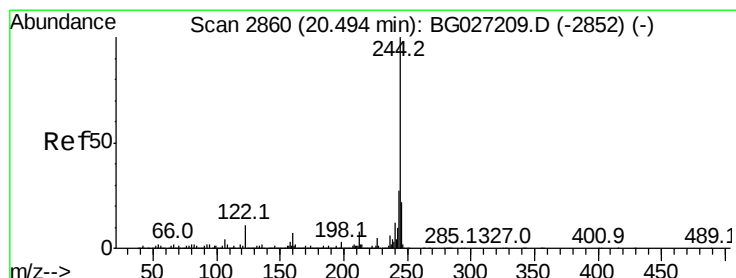
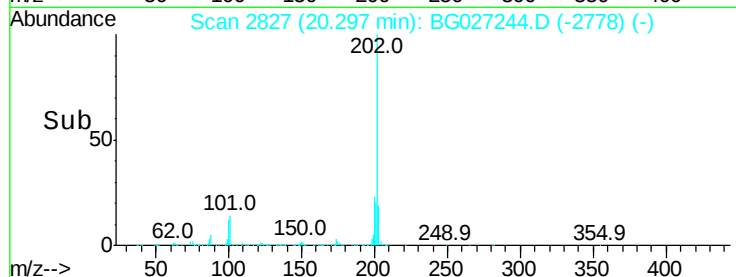
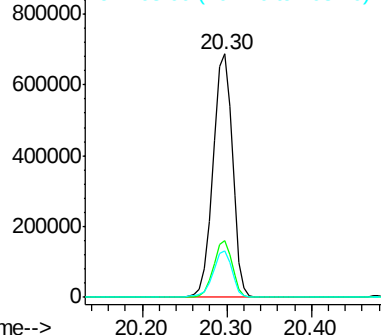
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 23.1  | 19.6  | 29.4  |
| 203 | 19.1  | 15.8  | 23.8  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.62 ng

RT: 20.48 min Scan# 2858

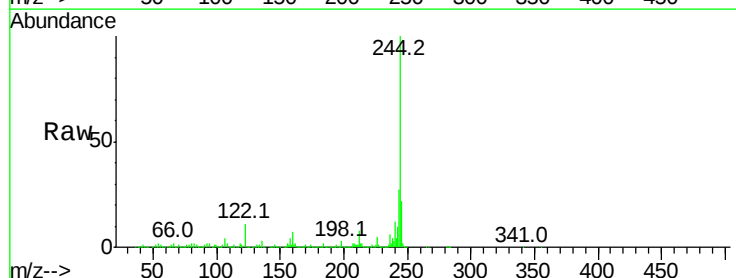
Delta R.T. -0.02 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Tgt Ion:244 Resp: 1454575

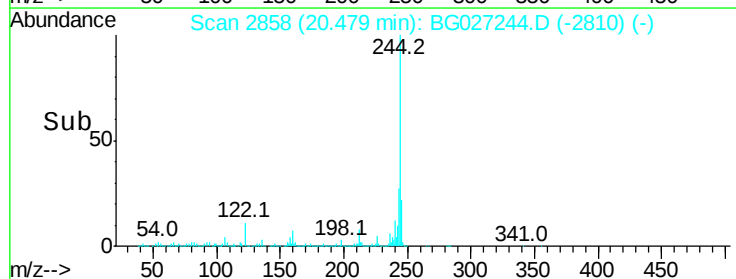
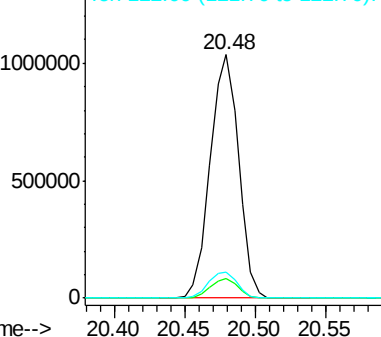
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 10.0  | 15.0# |
| 122 | 10.8  | 8.6   | 12.8  |

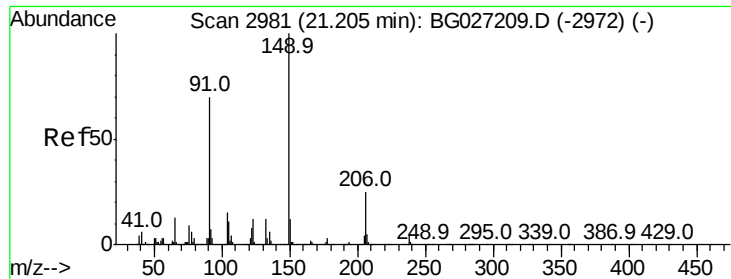


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

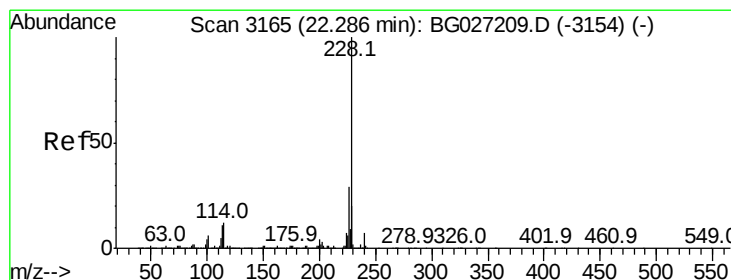
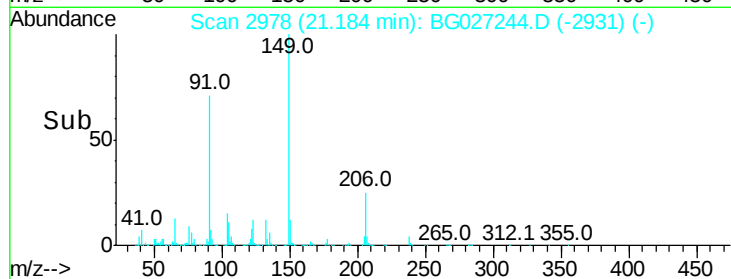
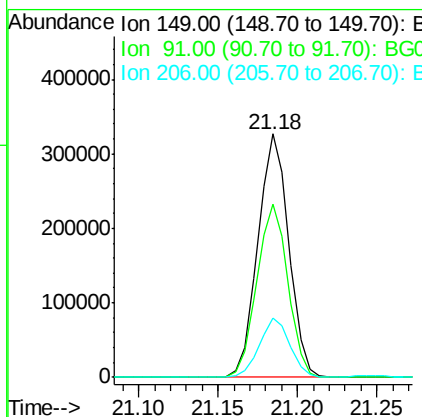
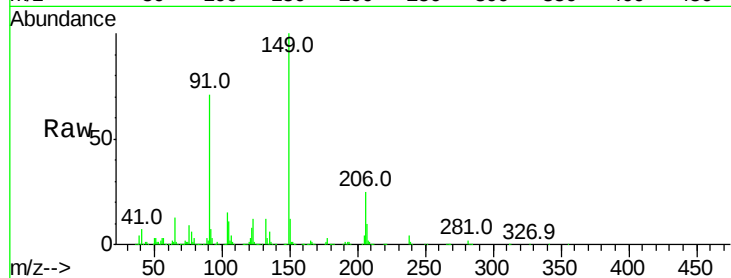




#79  
Butylbenzylphthalate  
Concen: 48.44 ng  
RT: 21.18 min Scan# 2978  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

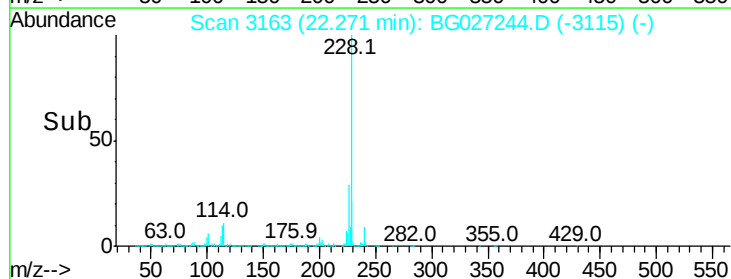
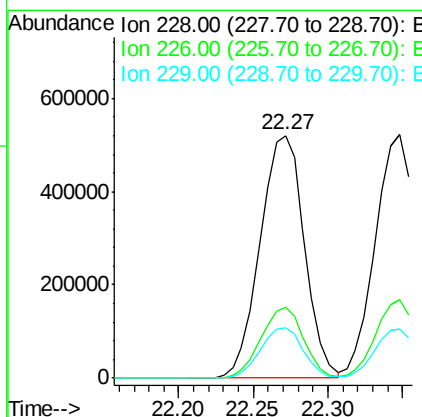
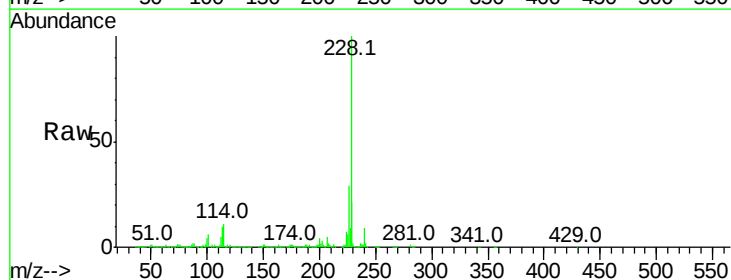
Instrument :  
BNA\_G  
ClientSampleId :

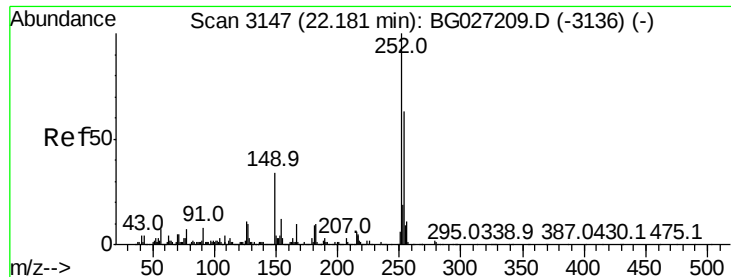
Tot Ion:149 Resp: 442996  
Ion Ratio Lower Upper  
149 100  
91 71.0 63.5 95.3  
206 24.5 21.0 31.6



#80  
Benzo(a)anthracene  
Concen: 43.72 ng  
RT: 22.27 min Scan# 3163  
Delta R.T. -0.02 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:228 Resp: 1068017  
Ion Ratio Lower Upper  
228 100  
226 29.3 24.9 37.3  
229 20.8 18.2 27.2

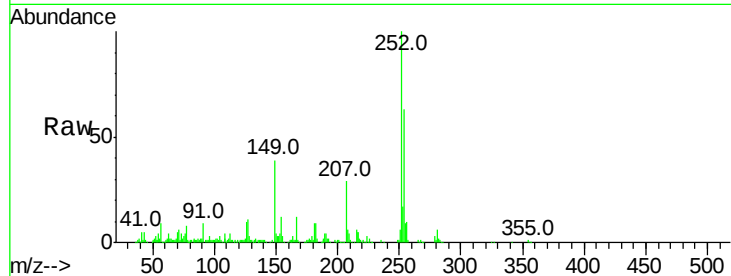




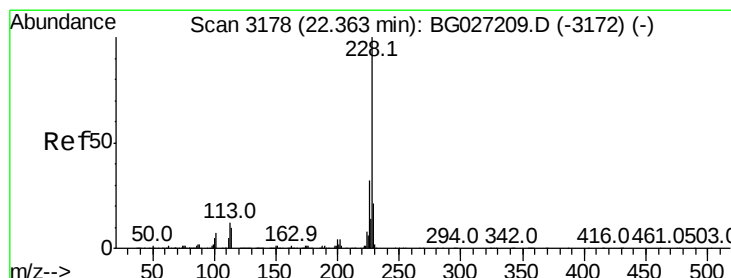
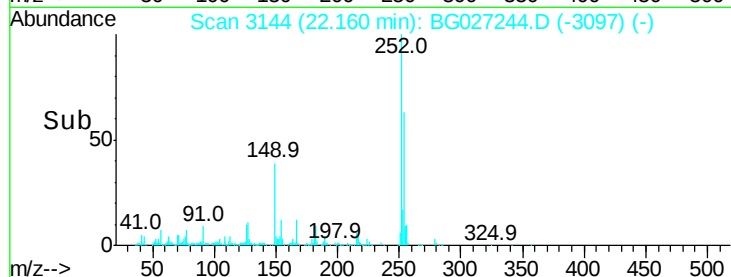
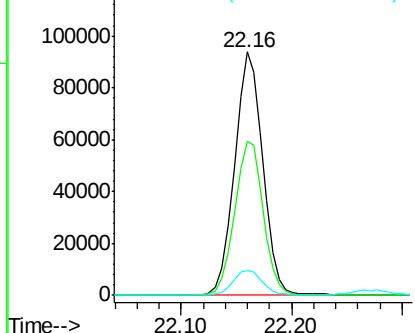
#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.64 ng  
 RT: 22.16 min Scan# 3144  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.1  | 53.1  | 79.7  |
| 126     | 10.4  | 7.0   | 10.4  |

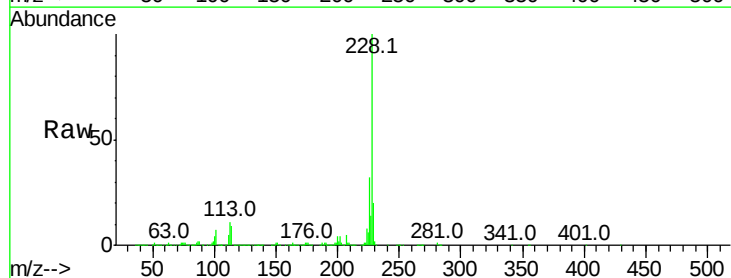


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

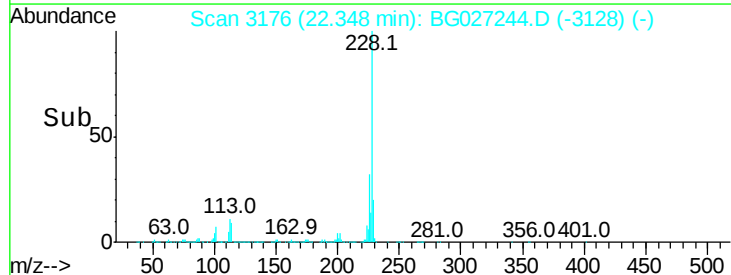
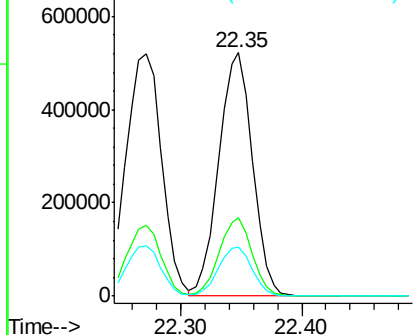


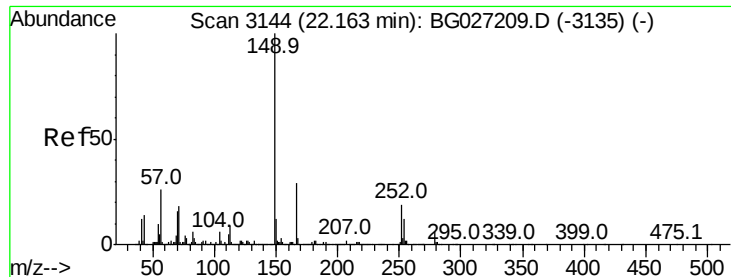
#82  
 Chrysene  
 Concen: 42.89 ng  
 RT: 22.35 min Scan# 3176  
 Delta R.T. -0.02 min  
 Lab File: BG027244.D  
 Acq: 6 Jun 2017 11:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 32.0  | 27.0  | 40.4  |
| 229     | 20.4  | 17.8  | 26.6  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.83 ng

RT: 22.14 min Scan# 3140

Delta R.T. -0.03 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

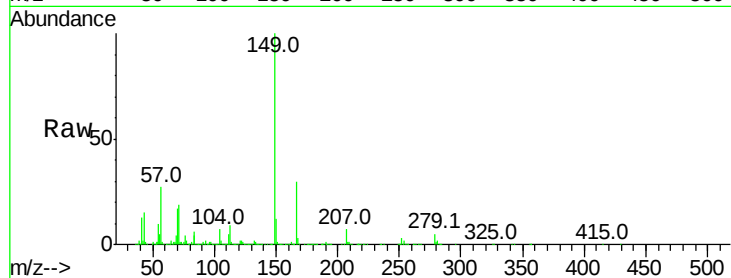
Tot Ion:149 Resp: 633392

Ion Ratio Lower Upper

149 100

167 29.6 23.7 35.5

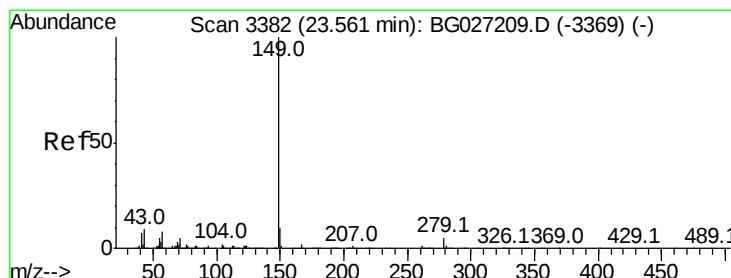
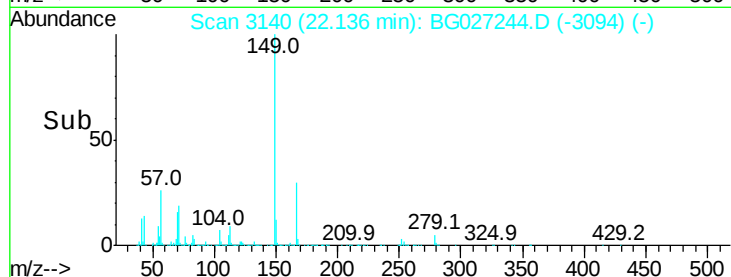
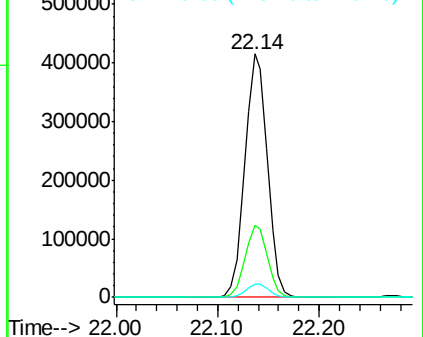
279 5.3 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 47.48 ng

RT: 23.52 min Scan# 3376

Delta R.T. -0.04 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

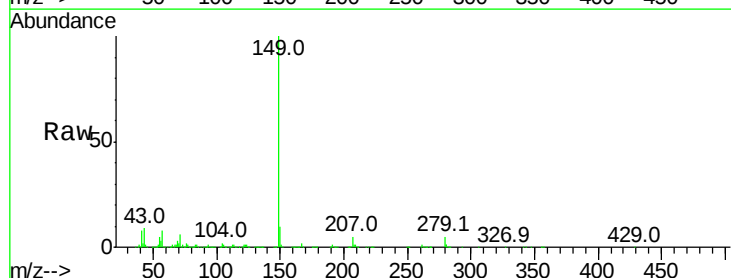
Tgt Ion:149 Resp: 1086855

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.2

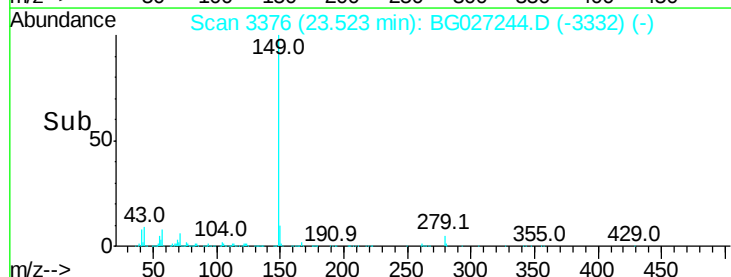
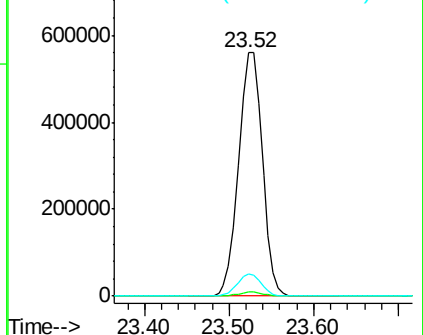
43 9.0 11.8 17.6#

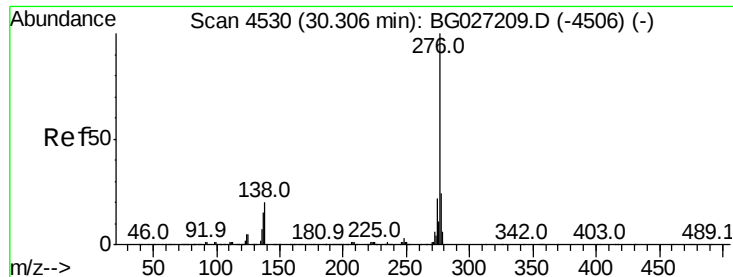


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 44.40 ng

RT: 30.27 min Scan# 4524

Delta R.T. -0.04 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

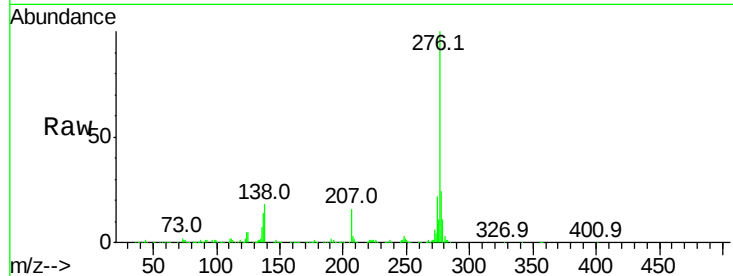
Tot Ion:276 Resp: 1261061

Ion Ratio Lower Upper

276 100

138 17.6 4.7 7.1#

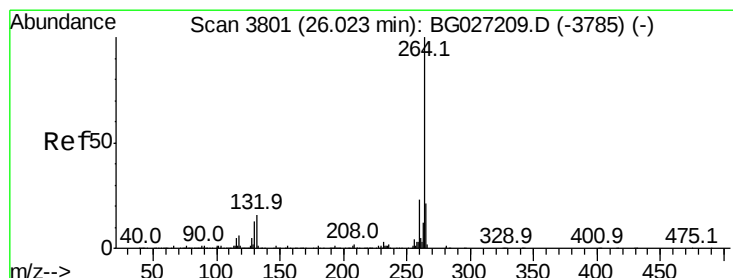
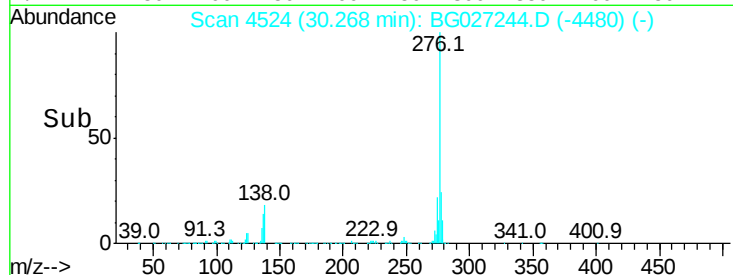
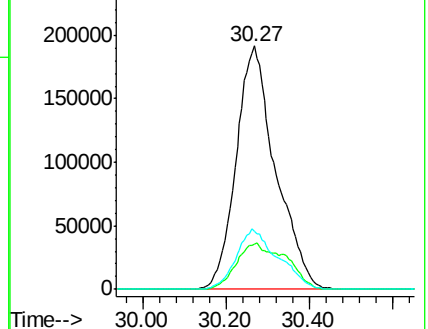
277 26.2 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.98 min Scan# 3795

Delta R.T. -0.04 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

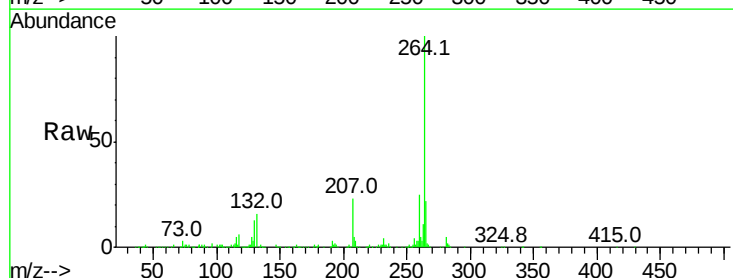
Tgt Ion:264 Resp: 397699

Ion Ratio Lower Upper

264 100

260 24.7 21.8 32.8

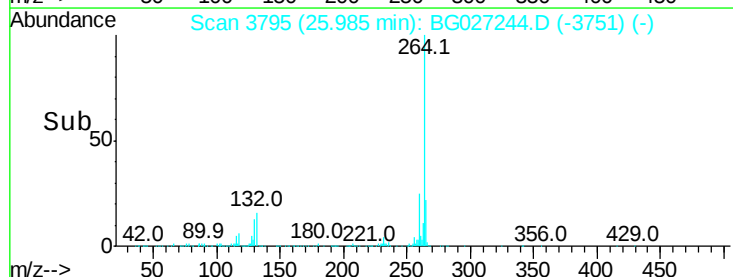
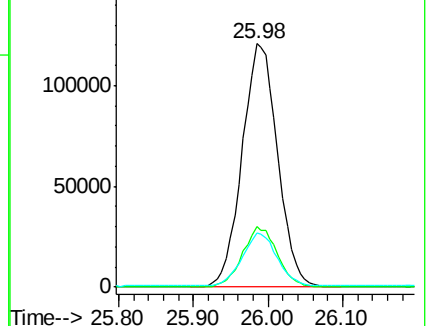
265 22.3 18.2 27.4

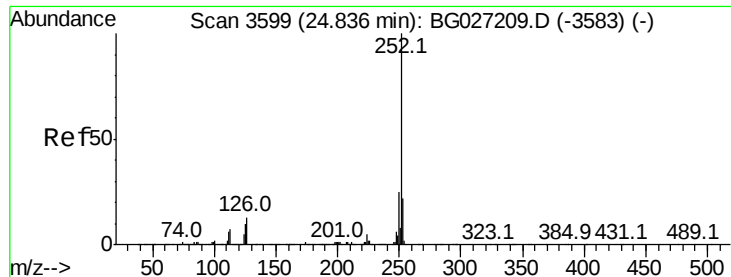


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

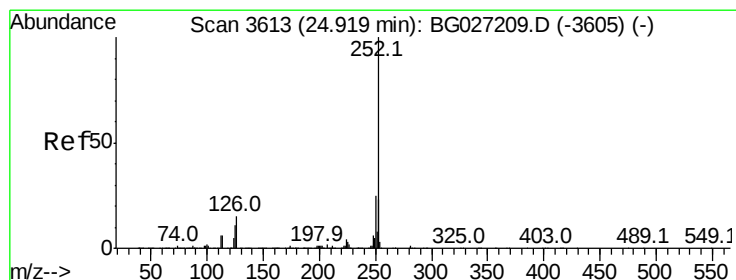
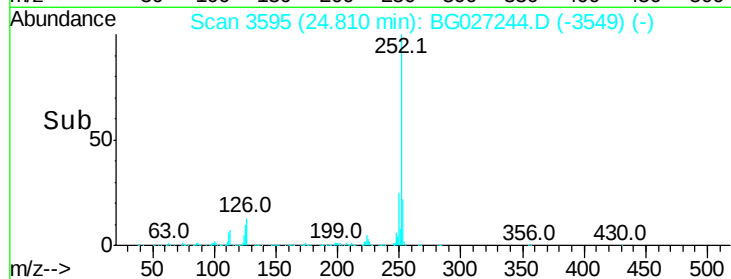
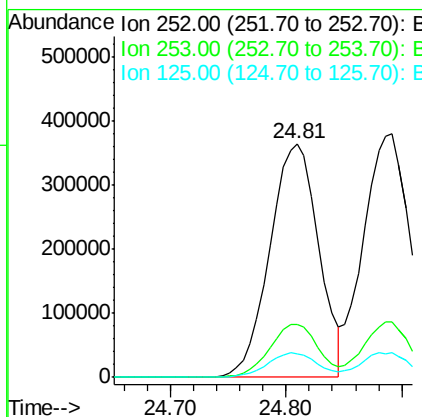
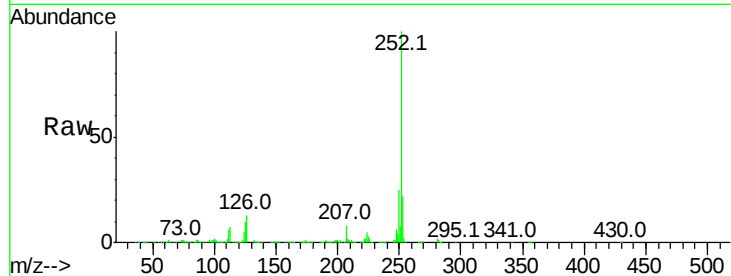




#87  
Benzo(b)fluoranthene  
Concen: 43.40 ng  
RT: 24.81 min Scan# 3595  
Delta R.T. -0.03 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

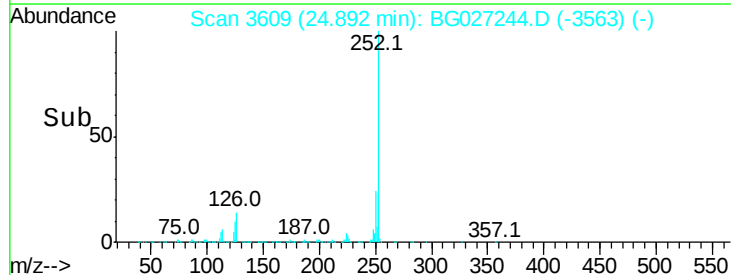
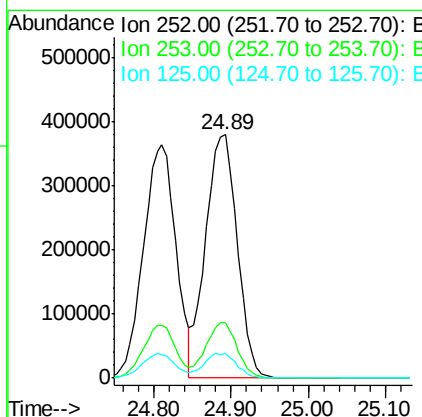
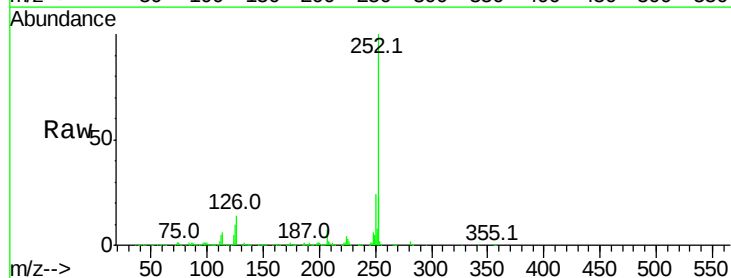
Instrument :  
BNA\_G  
ClientSampleId :

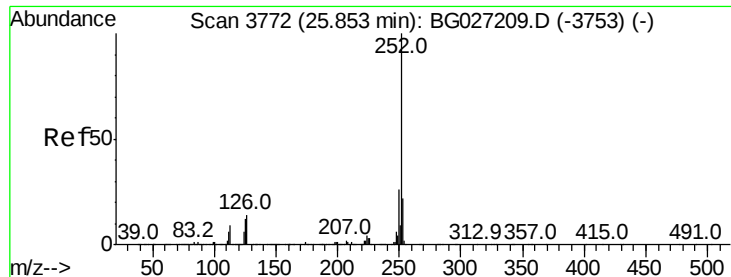
Tot Ion:252 Resp: 1070464  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.7 28.1  
125 10.0 5.3 7.9#



#88  
Benzo(k)fluoranthene  
Concen: 44.44 ng  
RT: 24.89 min Scan# 3609  
Delta R.T. -0.03 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:252 Resp: 1075300  
Ion Ratio Lower Upper  
252 100  
253 22.6 20.2 30.2  
125 10.2 5.1 7.7#

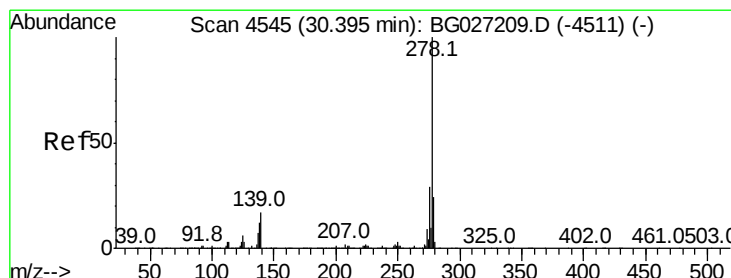
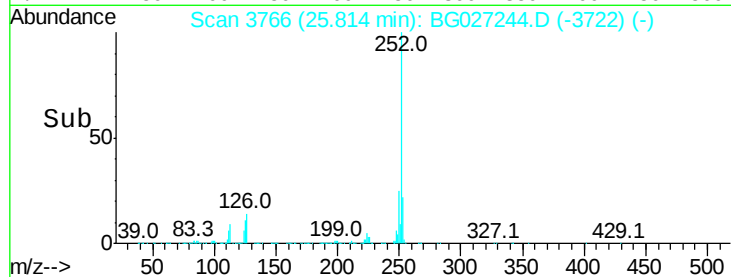
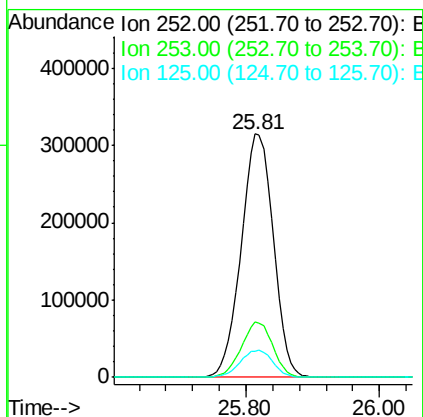
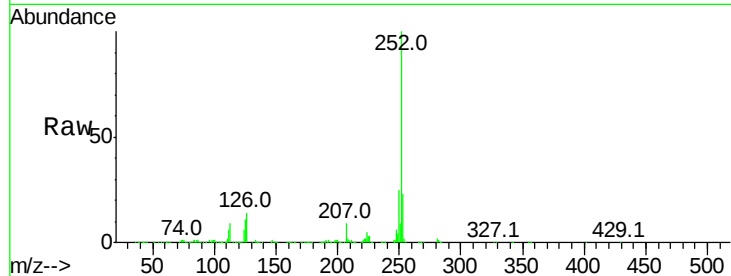




#89  
Benzo(a)pyrene  
Concen: 44.90 ng  
RT: 25.81 min Scan# 3766  
Delta R.T. -0.04 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

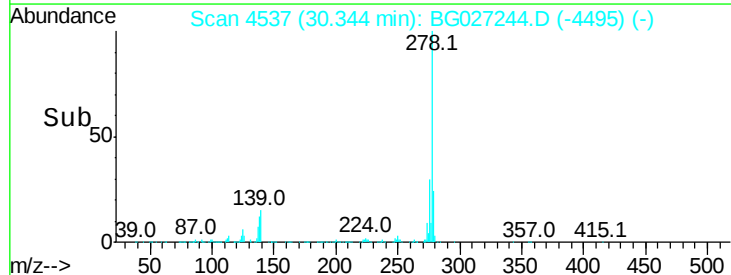
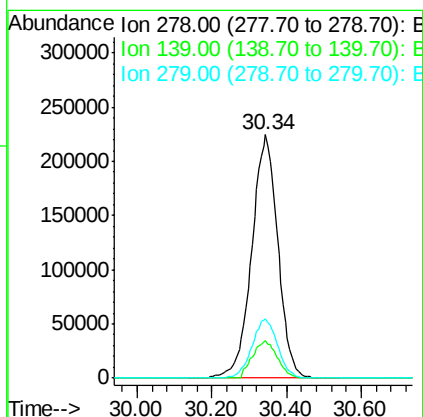
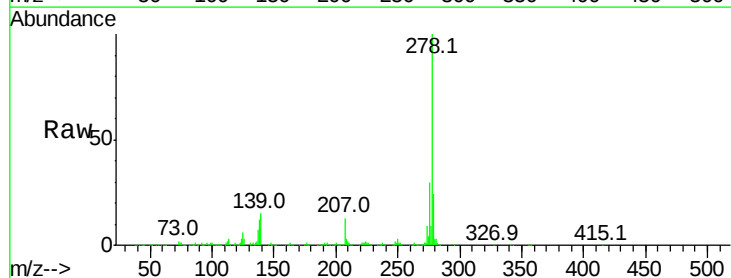
Instrument :  
BNA\_G  
ClientSampleId :

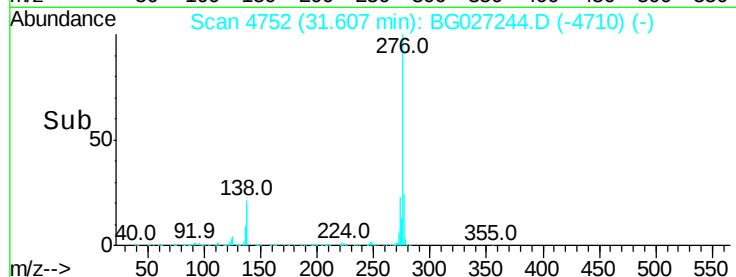
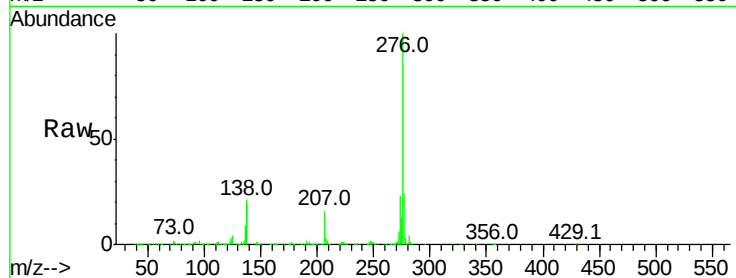
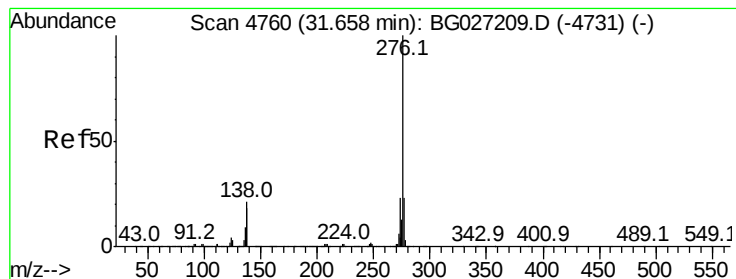
Tot Ion:252 Resp: 1042571  
Ion Ratio Lower Upper  
252 100  
253 22.6 19.2 28.8  
125 11.0 5.4 8.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 44.82 ng  
RT: 30.34 min Scan# 4537  
Delta R.T. -0.05 min  
Lab File: BG027244.D  
Acq: 6 Jun 2017 11:39

Tgt Ion:278 Resp: 1089309  
Ion Ratio Lower Upper  
278 100  
139 15.2 7.7 11.5#  
279 24.5 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 43.91 ng

RT: 31.61 min Scan# 4752

Delta R.T. -0.05 min

Lab File: BG027244.D

Acq: 6 Jun 2017 11:39

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1033647

Ion Ratio Lower Upper

276 100

277 24.2 18.6 27.8

138 21.2 8.1 12.1#

