

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060917\  
 Data File : BG027356.D  
 Acq On : 9 Jun 2017 20:46  
 Operator : SJ/MA  
 Sample : I3541-03MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 10 03:58:08 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 | 8.56  | 152  | 45165    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 11.38 | 136  | 213895   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 15.14 | 164  | 132427   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.89 | 188  | 315237   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 22.28 | 240  | 384211   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 25.96 | 264  | 317100   | 20.00 | ng    | -0.07    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 6.14  | 112 | 452884  | 153.01 | ng | -0.02 |
| 7) Phenol-d6                | 7.69  | 99  | 621846  | 143.13 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.72  | 82  | 405980  | 119.37 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 16.62 | 330 | 302244  | 173.32 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 13.76 | 172 | 884515  | 93.44  | ng | -0.03 |
| 78) Terphenyl-d14           | 20.46 | 244 | 1508760 | 100.18 | ng | -0.03 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 4.17  | 88  | 47657  | 38.83  | ng | 90   |
| 3) Pyridine                    | 4.55  | 79  | 194035 | 51.29  | ng | # 78 |
| 4) n-Nitrosodimethylamine      | 4.45  | 42  | 68103  | 48.62  | ng | # 46 |
| 6) Aniline                     | 7.89  | 93  | 75213  | 13.75  | ng | 96   |
| 8) 2-Chlorophenol              | 8.12  | 128 | 160423 | 51.33  | ng | 95   |
| 9) Benzaldehyde                | 7.70  | 77  | 59482  | 19.80  | ng | 92   |
| 10) Phenol                     | 7.72  | 94  | 219713 | 49.45  | ng | # 76 |
| 11) bis(2-Chloroethyl)ether    | 7.96  | 93  | 168200 | 46.15  | ng | 90   |
| 12) 1,3-Dichlorobenzene        | 8.45  | 146 | 141939 | 40.27  | ng | 94   |
| 13) 1,4-Dichlorobenzene        | 8.59  | 146 | 144331 | 39.90  | ng | 99   |
| 14) 1,2-Dichlorobenzene        | 8.92  | 146 | 143603 | 40.70  | ng | 97   |
| 15) Benzyl Alcohol             | 8.79  | 79  | 156918 | 51.26  | ng | # 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.07  | 45  | 280583 | 53.80  | ng | 95   |
| 17) 2-Methylphenol             | 8.97  | 107 | 154946 | 49.34  | ng | # 88 |
| 18) Hexachloroethane           | 9.64  | 117 | 53014  | 43.50  | ng | # 83 |
| 19) n-Nitroso-di-n-propylamine | 9.35  | 70  | 151032 | 49.69  | ng | # 86 |
| 20) 3+4-Methylphenols          | 9.30  | 107 | 212214 | 48.78  | ng | 91   |
| 22) Acetophenone               | 9.37  | 105 | 259406 | 47.42  | ng | # 87 |
| 24) Nitrobenzene               | 9.76  | 77  | 209995 | 54.20  | ng | # 90 |
| 25) Isophorone                 | 10.28 | 82  | 408012 | 51.02  | ng | # 96 |
| 26) 2-Nitrophenol              | 10.47 | 139 | 85570  | 52.73  | ng | # 83 |
| 27) 2,4-Dimethylphenol         | 10.51 | 122 | 177781 | 51.70  | ng | 95   |
| 28) bis(2-Chloroethoxy)methane | 10.75 | 93  | 246025 | 47.51  | ng | 100  |
| 29) 2,4-Dichlorophenol         | 11.01 | 162 | 159316 | 50.75  | ng | 95   |
| 30) 1,2,4-Trichlorobenzene     | 11.23 | 180 | 149883 | 43.12  | ng | 97   |
| 31) Naphthalene                | 11.42 | 128 | 518731 | 44.37  | ng | 100  |
| 32) Benzoic acid               | 10.63 | 122 | 109002 | 46.19  | ng | # 85 |
| 34) Hexachlorobutadiene        | 11.70 | 225 | 90428  | 42.33  | ng | 99   |
| 35) Caprolactam                | 12.29 | 113 | 37982  | 35.28  | ng | # 87 |
| 36) 4-Chloro-3-methylphenol    | 12.60 | 107 | 209825 | 53.33  | ng | 96   |
| 37) 2-Methylnaphthalene        | 12.99 | 142 | 374517 | 43.92  | ng | 94   |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.35 | 216 | 180734 | 43.81  | ng | 97   |
| 40) Hexachlorocyclopentadiene  | 13.32 | 237 | 242516 | 110.45 | ng | 96   |
| 42) 2,4,6-Trichlorophenol      | 13.58 | 196 | 132136 | 52.81  | ng | 94   |

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 ALS Vial : 9 Sample Multiplier: 1

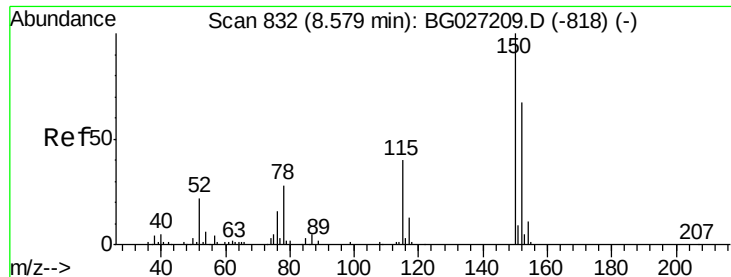
Instrument :  
 BNA\_G  
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 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060517.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.65 | 196  | 144770   | 51.70  | nq    | 96       |
| 45) 1,1'-Biphenyl              | 13.97 | 154  | 494596   | 45.76  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.02 | 162  | 376584   | 46.47  | nq    | 98       |
| 47) 2-Nitroaniline             | 14.22 | 65   | 146567   | 61.38  | nq    | 88       |
| 48) Acenaphthylene             | 14.86 | 152  | 614710   | 44.82  | nq    | 97       |
| 49) Dimethylphthalate          | 14.57 | 163  | 518965   | 49.40  | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.70 | 165  | 113098   | 52.41  | nq    | # 82     |
| 51) Acenaphthene               | 15.20 | 154  | 458723   | 51.42  | nq    | 98       |
| 52) 3-Nitroaniline             | 15.03 | 138  | 16944    | 12.38  | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 15.23 | 184  | 136187   | 112.21 | nq    | 95       |
| 54) Dibenzofuran               | 15.53 | 168  | 612395   | 49.12  | nq    | 94       |
| 55) 4-Nitrophenol              | 15.32 | 139  | 196869   | 97.74  | nq    | # 59     |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 159684   | 56.96  | nq    | # 89     |
| 57) Fluorene                   | 16.18 | 166  | 504389   | 45.55  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.75 | 232  | 140617   | 56.26  | nq    | 96       |
| 59) Diethylphthalate           | 15.93 | 149  | 540082   | 51.54  | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.16 | 204  | 258243   | 46.30  | nq    | 96       |
| 61) 4-Nitroaniline             | 16.20 | 138  | 88870    | 40.31  | nq    | # 67     |
| 62) Azobenzene                 | 16.45 | 77   | 568167   | 58.50  | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 16.24 | 198  | 93233    | 60.80  | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 16.37 | 169  | 377016   | 38.15  | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.06 | 248  | 171696   | 46.02  | nq    | 97       |
| 67) Hexachlorobenzene          | 17.19 | 284  | 185285   | 46.17  | nq    | 90       |
| 68) Atrazine                   | 17.31 | 200  | 41220    | 12.47  | nq    | 96       |
| 69) Pentachlorophenol          | 17.52 | 266  | 241999   | 102.88 | nq    | 96       |
| 70) Phenanthrene               | 17.93 | 178  | 830673   | 46.84  | nq    | 96       |
| 71) Anthracene                 | 18.02 | 178  | 845221   | 47.57  | nq    | 98       |
| 72) Carbazole                  | 18.28 | 167  | 548704   | 32.74  | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.81 | 149  | 953915   | 58.70  | nq    | # 94     |
| 74) Fluoranthene               | 19.92 | 202  | 978118   | 51.62  | nq    | 93       |
| 77) Pyrene                     | 20.29 | 202  | 1019580  | 43.92  | nq    | 97       |
| 79) Butylbenzylphthalate       | 21.17 | 149  | 446847   | 54.48  | nq    | 94       |
| 80) Benzo(a)anthracene         | 22.25 | 228  | 1047549  | 47.81  | nq    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 22.15 | 252  | 32555    | 3.82   | nq    | # 98     |
| 82) Chrysene                   | 22.33 | 228  | 977698   | 46.48  | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 22.11 | 149  | 637714   | 51.44  | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.49 | 149  | 1083055  | 52.75  | nq    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 30.21 | 276  | 1173085  | 46.05  | nq    | # 94     |
| 87) Benzo(b)fluoranthene       | 24.77 | 252  | 1051870  | 53.49  | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 24.86 | 252  | 1029181  | 53.34  | nq    | # 94     |
| 89) Benzo(a)pyrene             | 25.78 | 252  | 960166   | 51.86  | nq    | # 93     |
| 90) Dibenzo(a,h)anthracene     | 30.29 | 278  | 1025702  | 52.93  | nq    | # 94     |
| 91) Benzo(g,h,i)perylene       | 31.54 | 276  | 925903   | 49.33  | nq    | # 89     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.56 min Scan# 829

Delta R.T. -0.02 min

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Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

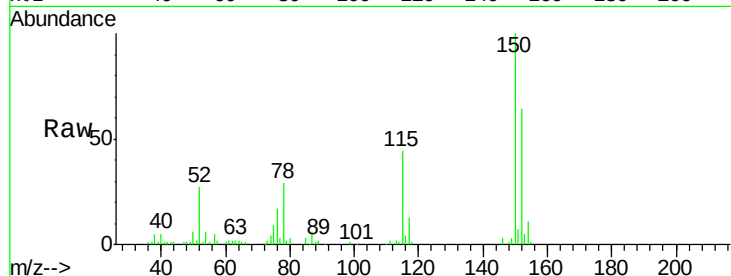
Tot Ion:152 Resp: 45165

Ion Ratio Lower Upper

152 100

150 155.2 114.0 171.0

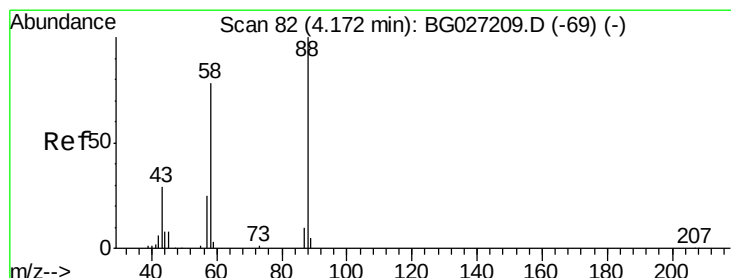
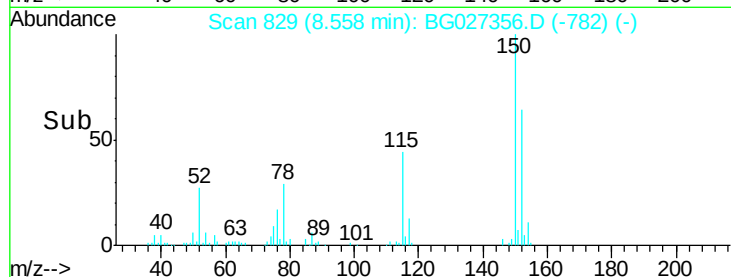
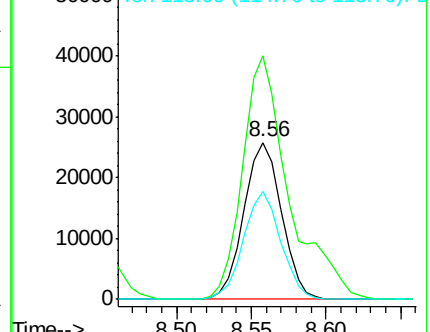
115 68.6 48.1 72.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.83 ng

RT: 4.17 min Scan# 82

Delta R.T. -0.00 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

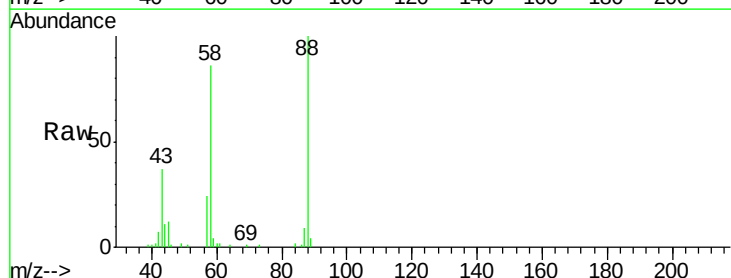
Tgt Ion: 88 Resp: 47657

Ion Ratio Lower Upper

88 100

58 88.0 79.4 119.2

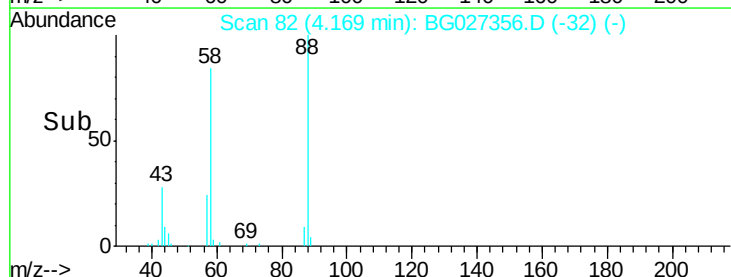
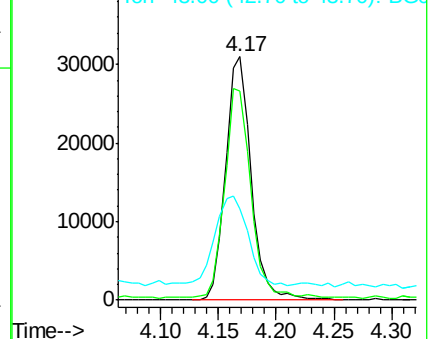
43 47.5 33.8 50.6

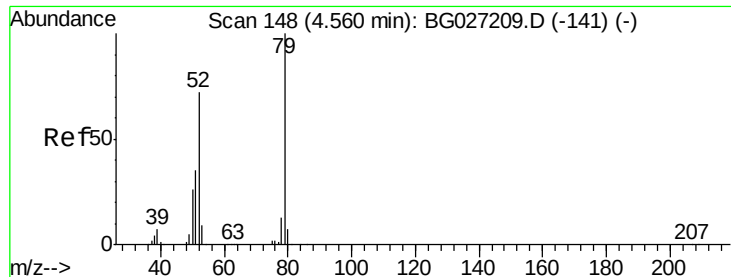


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 51.29 ng

RT: 4.55 min Scan# 147

Delta R.T. -0.01 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

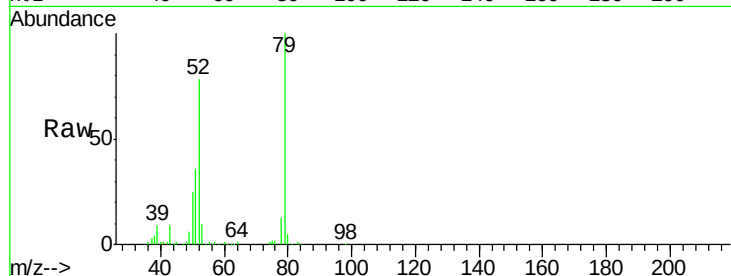
Tot Ion: 79 Resp: 194035

Ion Ratio Lower Upper

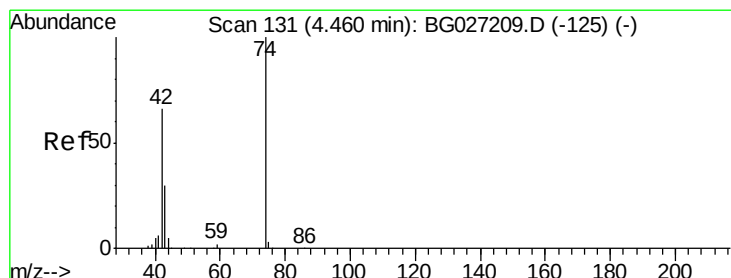
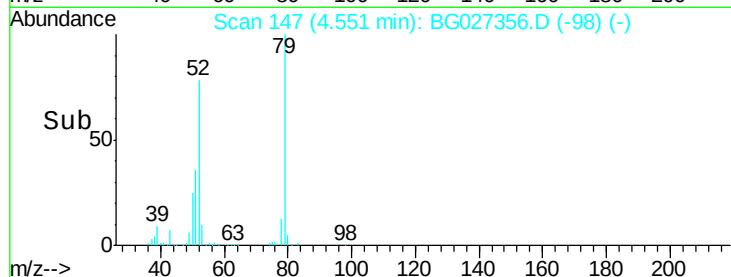
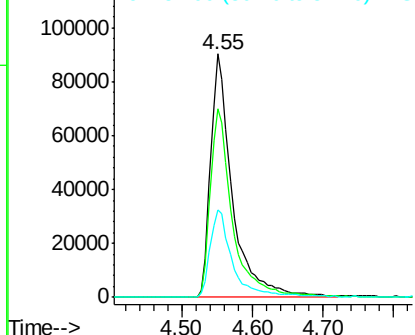
79 100

52 77.6 77.8 116.6#

51 36.0 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: 48.62 ng

RT: 4.45 min Scan# 130

Delta R.T. -0.01 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

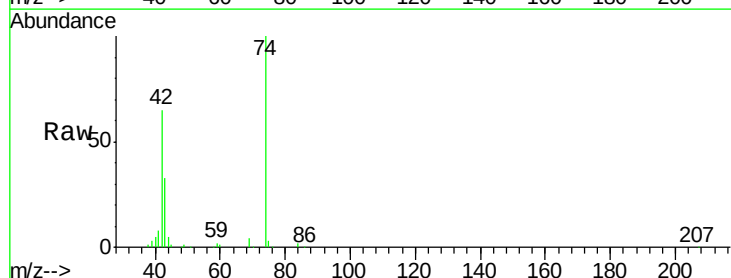
Tgt Ion: 42 Resp: 68103

Ion Ratio Lower Upper

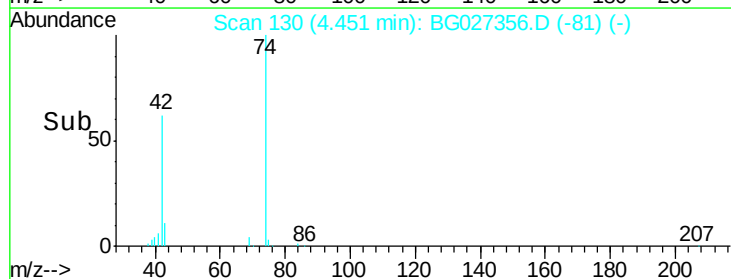
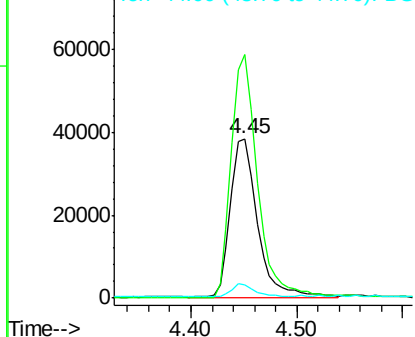
42 100

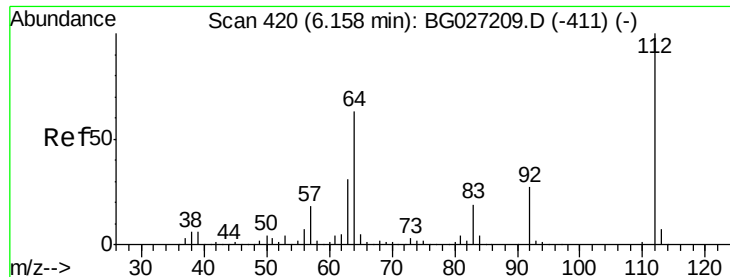
74 153.0 76.7 115.1#

44 8.2 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: 153.01 ng

RT: 6.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: BG027356.D

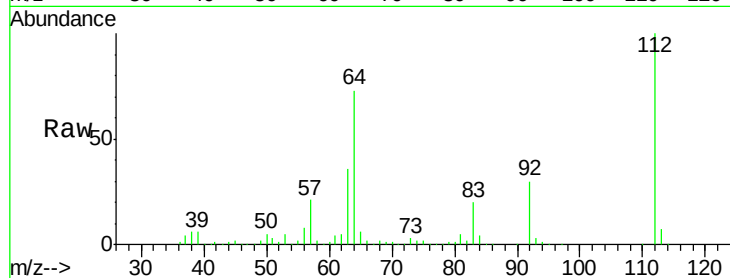
Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 452884 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 73.0  | 61.8  | 92.6   |
| 63        | 36.0  | 37.2  | 55.8#  |

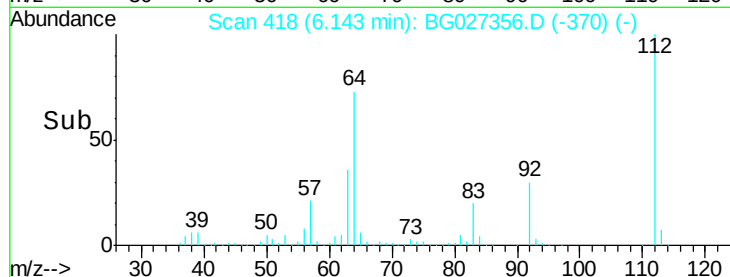


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->

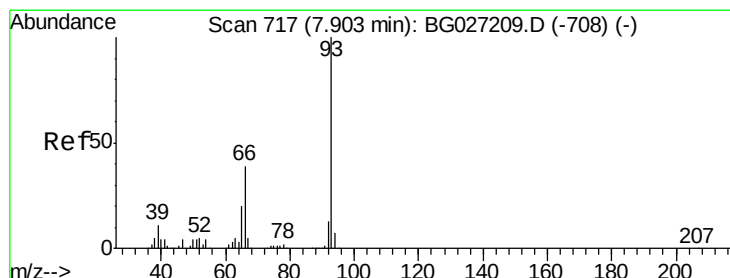


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->



#6

Aniline

Concen: 13.75 ng

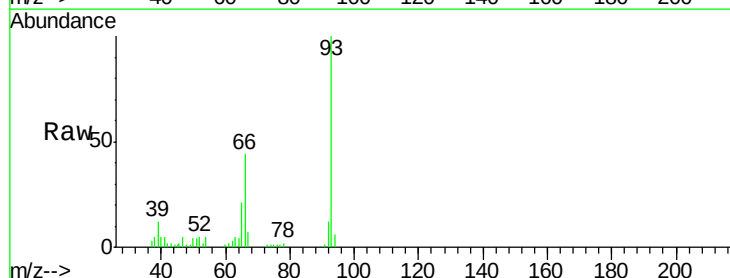
RT: 7.89 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 75213 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 43.7  | 35.4  | 53.2  |
| 65        | 21.3  | 21.2  | 31.8  |

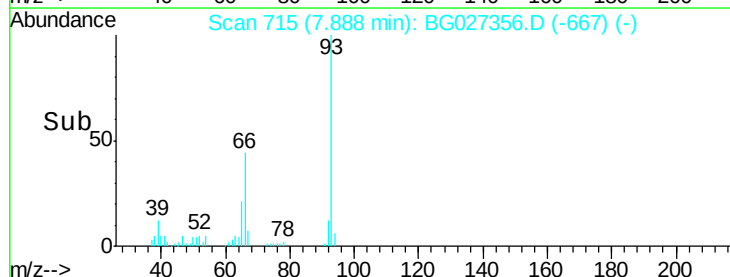


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->

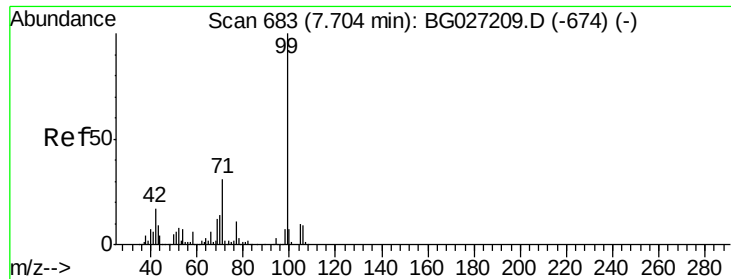


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->



#7

Phenol-d6

Concen: 143.13 ng

RT: 7.69 min Scan# 682

Delta R.T. -0.01 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

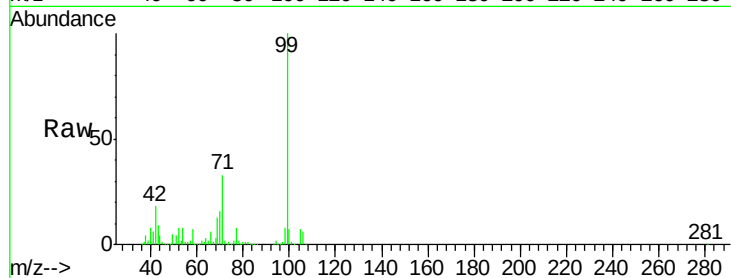
Tot Ion: 99 Resp: 621846

Ion Ratio Lower Upper

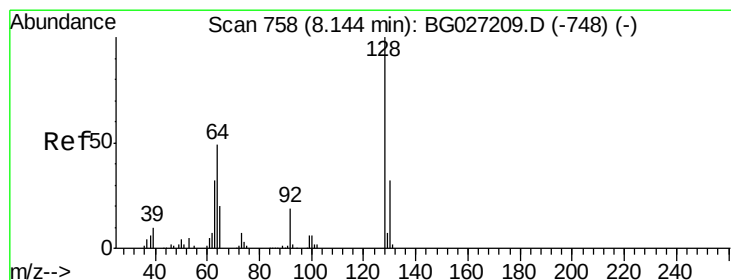
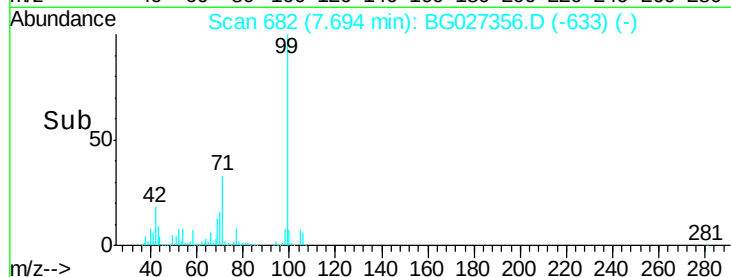
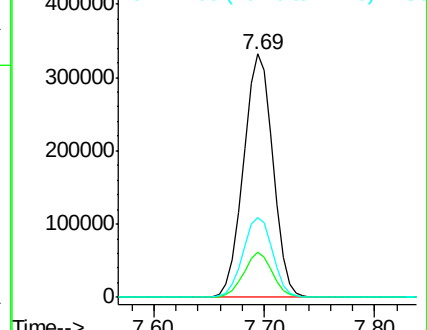
99 100

42 18.3 20.5 30.7#

71 32.9 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: 51.33 ng

RT: 8.12 min Scan# 755

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

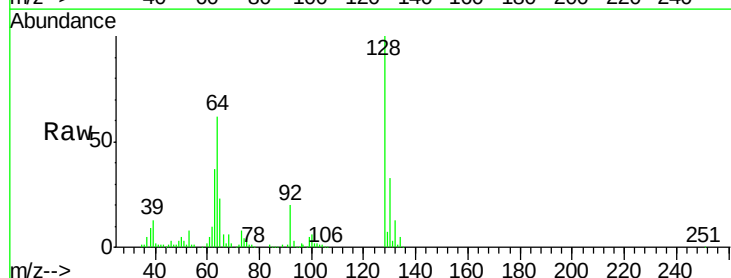
Tgt Ion:128 Resp: 160423

Ion Ratio Lower Upper

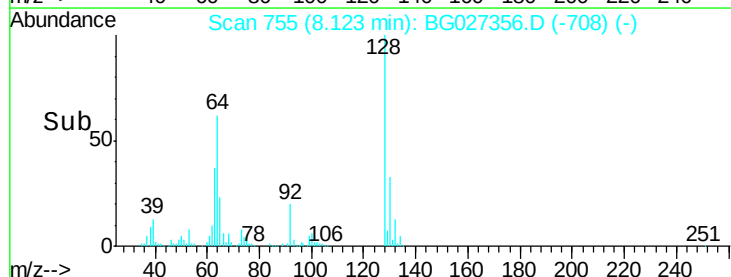
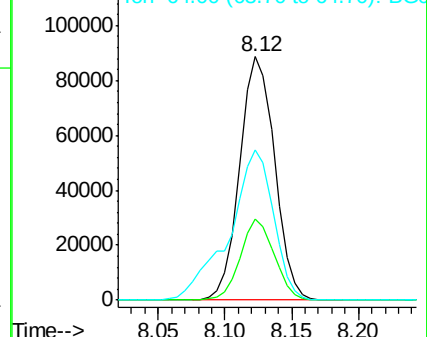
128 100

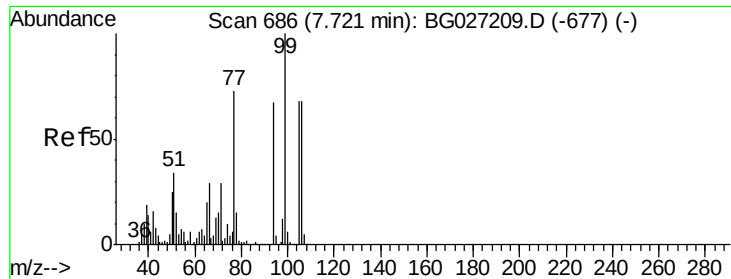
130 33.4 11.4 51.4

64 61.5 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: 19.80 ng

RT: 7.70 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

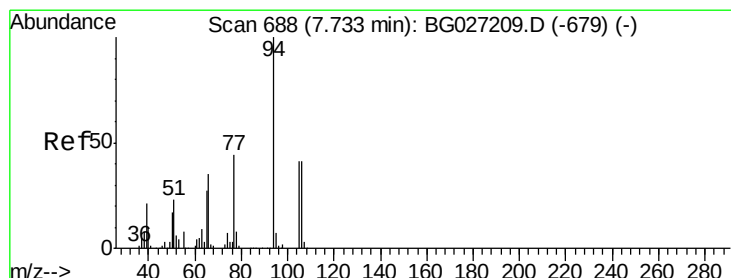
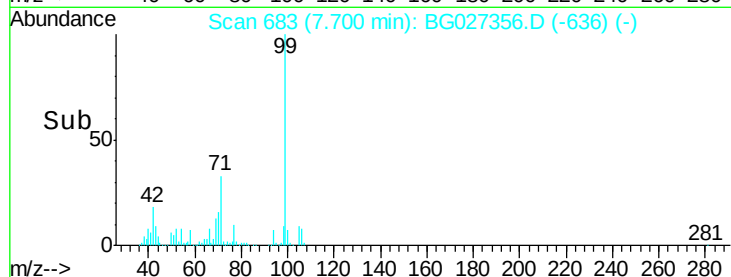
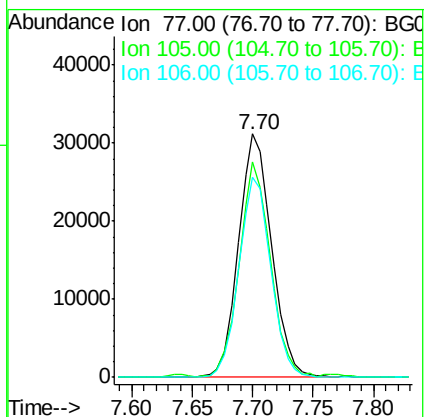
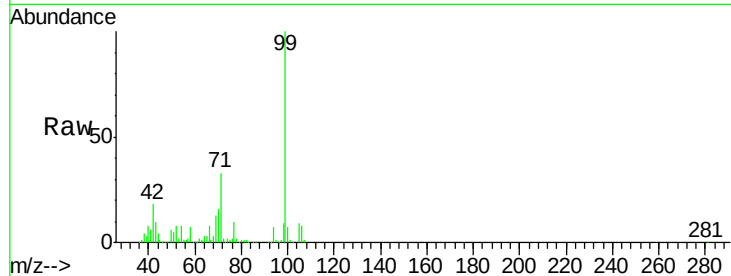
Tot Ion: 77 Resp: 59482

Ion Ratio Lower Upper

77 100

105 88.3 60.9 100.9

106 82.3 55.1 95.1



#10

Phenol

Concen: 49.45 ng

RT: 7.72 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

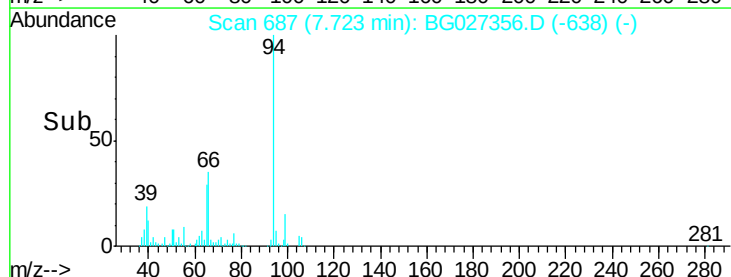
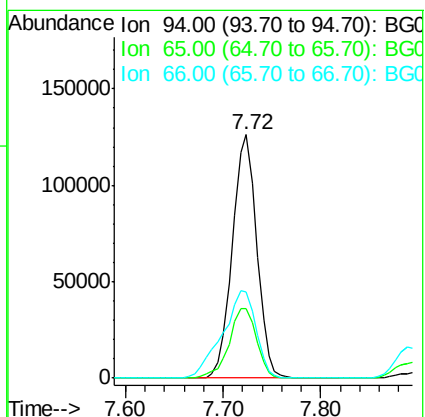
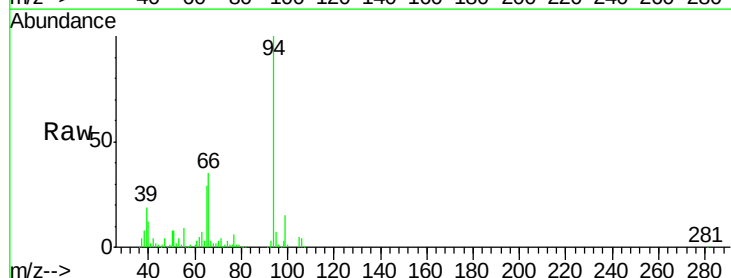
Tgt Ion: 94 Resp: 219713

Ion Ratio Lower Upper

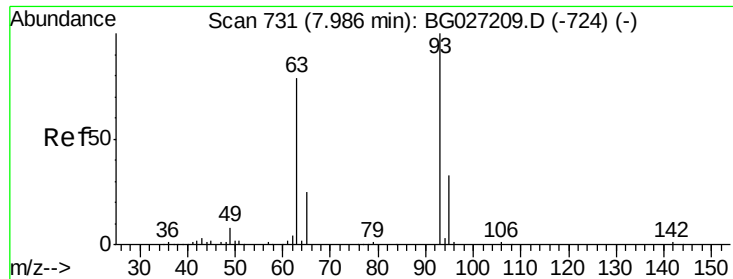
94 100

65 28.5 20.6 60.6

66 35.3 35.5 75.5#



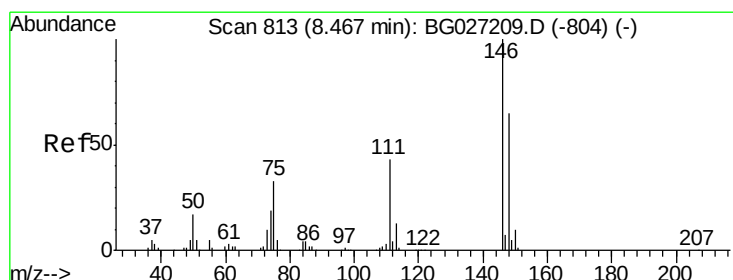
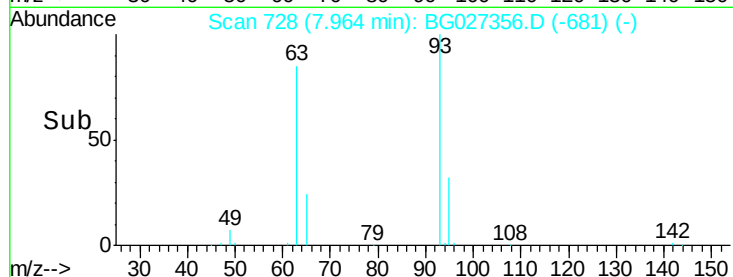
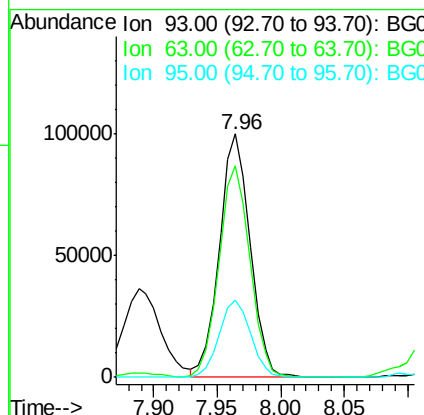
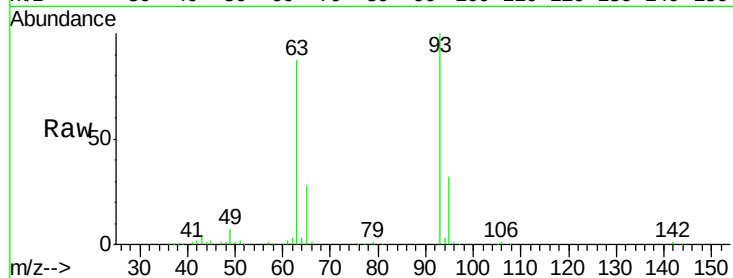




#11  
bis(2-Chloroethyl)ether  
Concen: 46.15 ng  
RT: 7.96 min Scan# 728  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

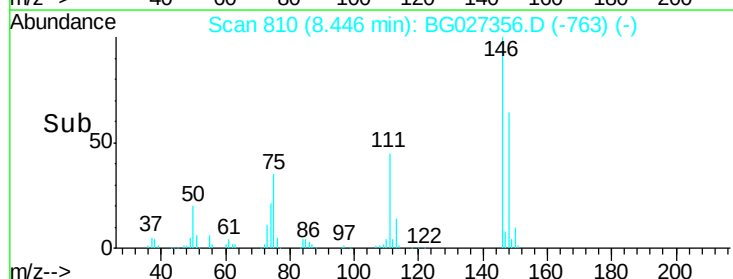
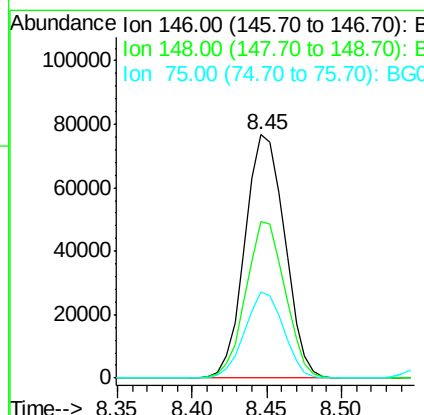
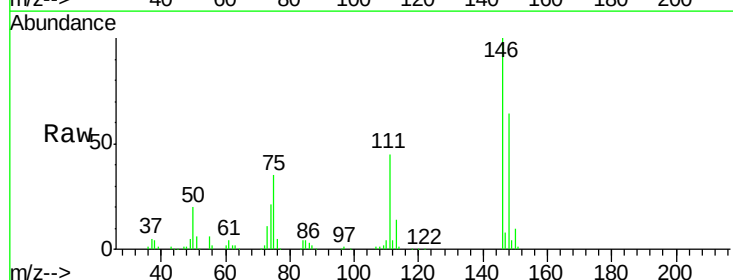
Instrument :  
BNA\_G  
ClientSampleId :

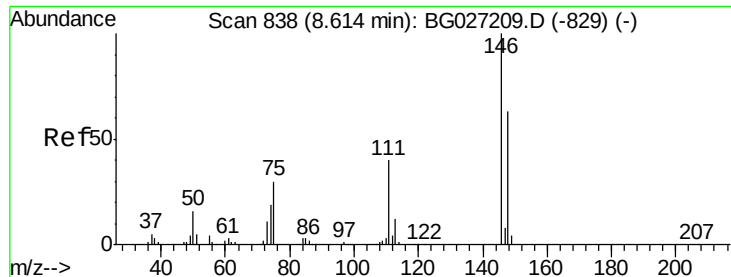
Tot Ion: 93 Resp: 168200  
Ion Ratio Lower Upper  
93 100  
63 87.0 78.5 118.5  
95 31.9 9.8 49.8



#12  
1,3-Dichlorobenzene  
Concen: 40.27 ng  
RT: 8.45 min Scan# 810  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion: 146 Resp: 141939  
Ion Ratio Lower Upper  
146 100  
148 64.5 49.2 73.8  
75 35.4 33.4 50.2

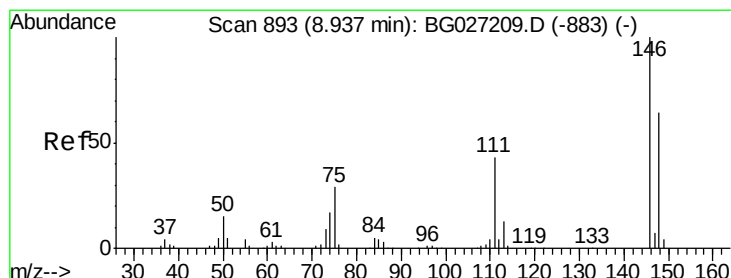
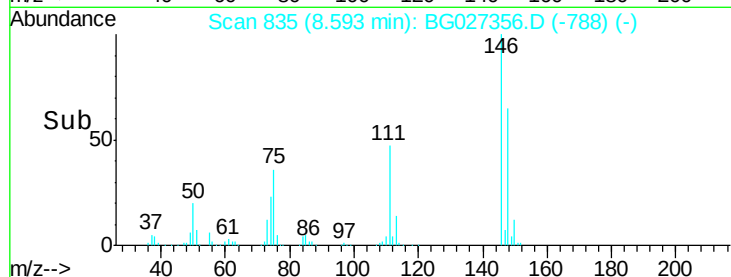
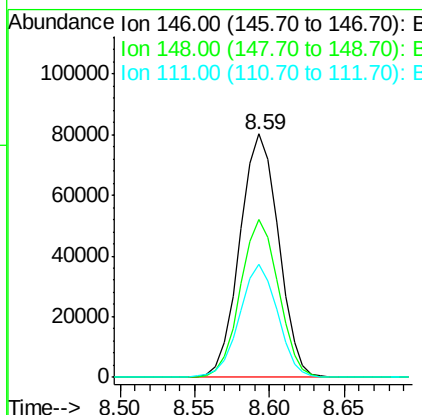
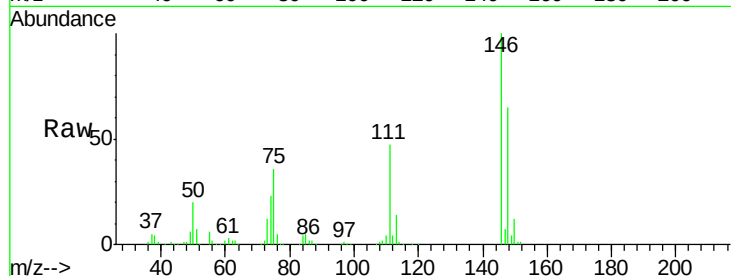




#13  
1,4-Dichlorobenzene  
Concen: 39.90 ng  
RT: 8.59 min Scan# 835  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

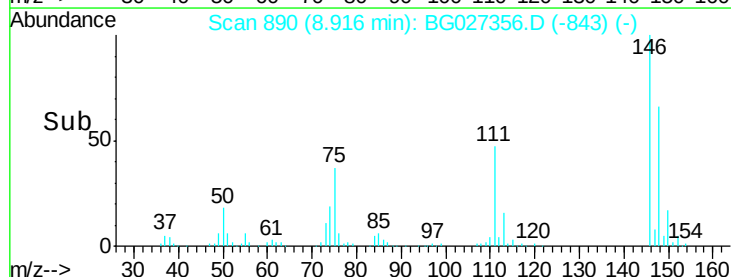
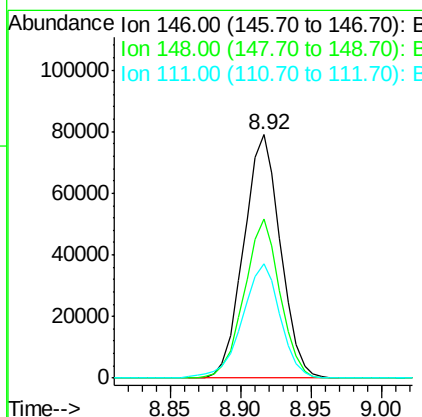
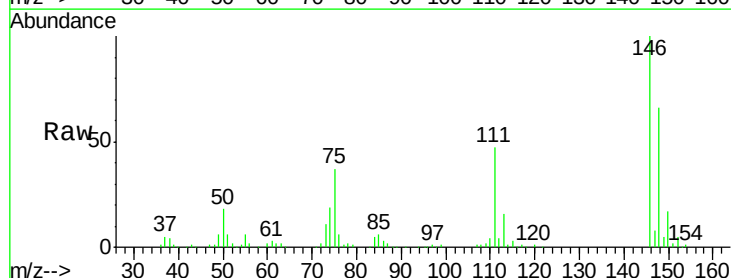
Instrument :  
BNA\_G  
ClientSampleId :

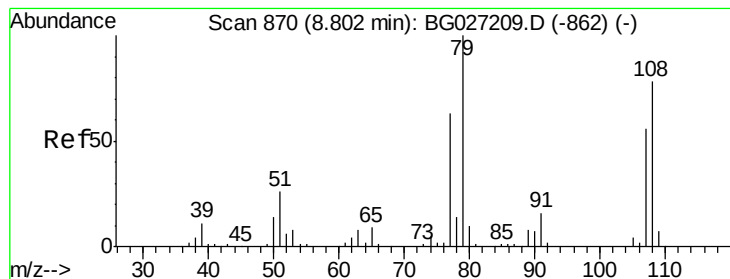
Tot Ion:146 Resp: 144331  
Ion Ratio Lower Upper  
146 100  
148 64.7 52.2 78.2  
111 46.6 37.0 55.6



#14  
1,2-Dichlorobenzene  
Concen: 40.70 ng  
RT: 8.92 min Scan# 890  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion:146 Resp: 143603  
Ion Ratio Lower Upper  
146 100  
148 65.6 54.6 81.8  
111 47.2 39.7 59.5





#15

Benzyl Alcohol

Concen: 51.26 ng

RT: 8.79 min Scan# 868

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampled :

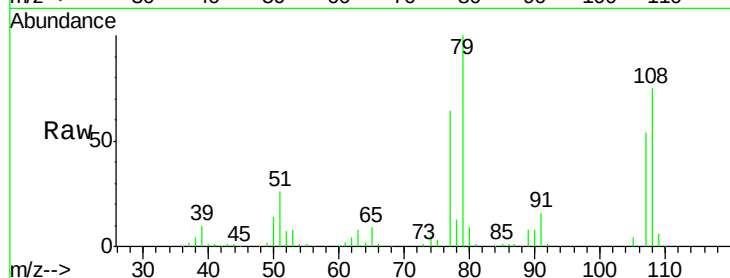
Tot Ion: 79 Resp: 156918

Ion Ratio Lower Upper

79 100

108 74.8 45.5 68.3#

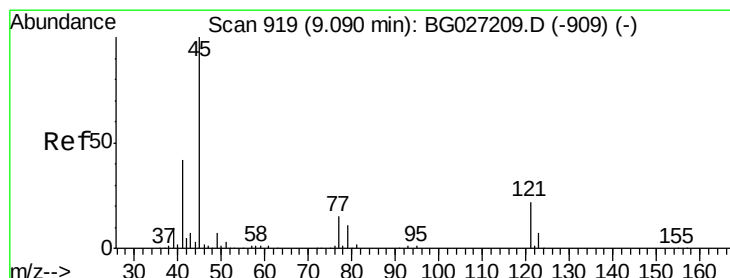
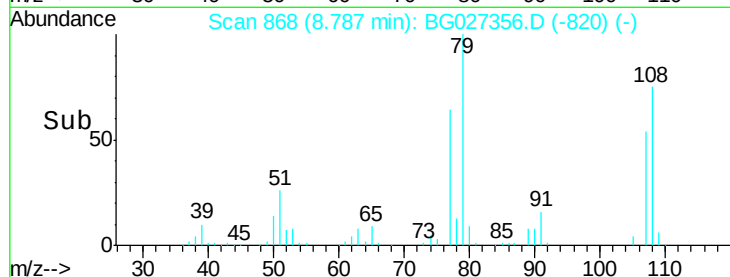
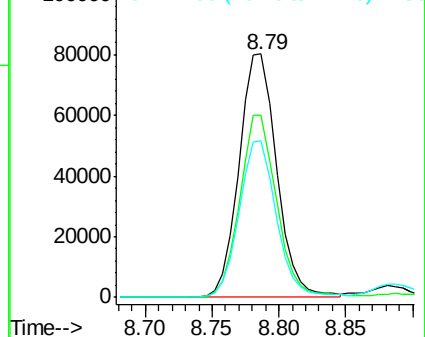
77 64.3 54.3 81.5



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: 53.80 ng

RT: 9.07 min Scan# 916

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

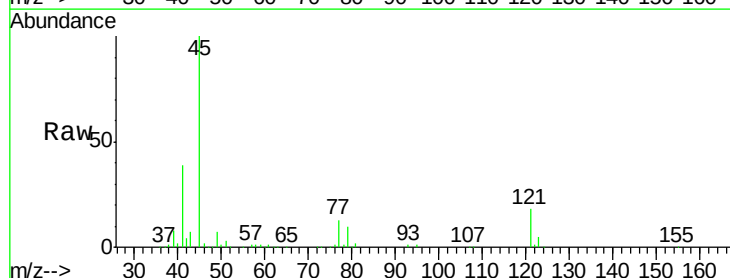
Tgt Ion: 45 Resp: 280583

Ion Ratio Lower Upper

45 100

77 12.6 0.0 30.6

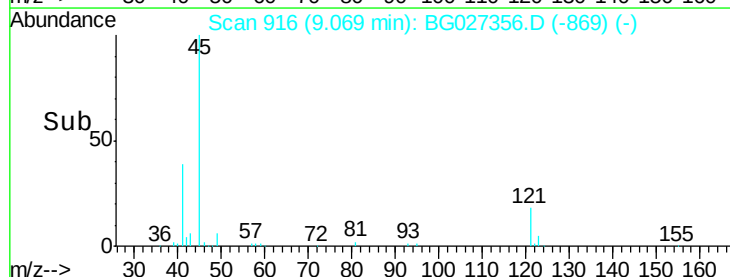
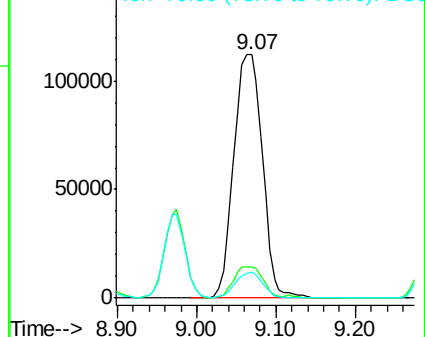
79 10.5 0.0 28.5

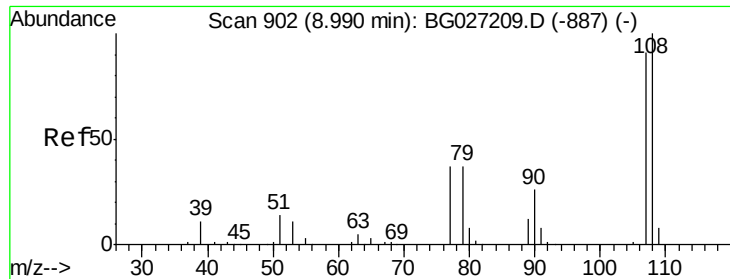


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

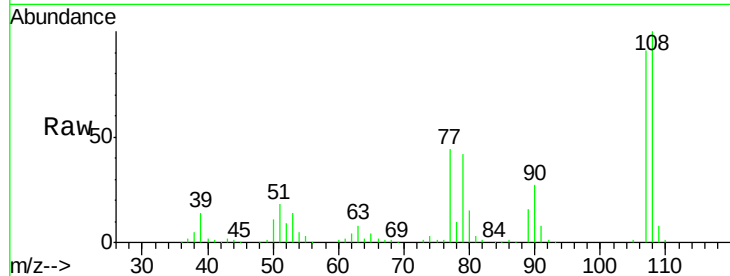




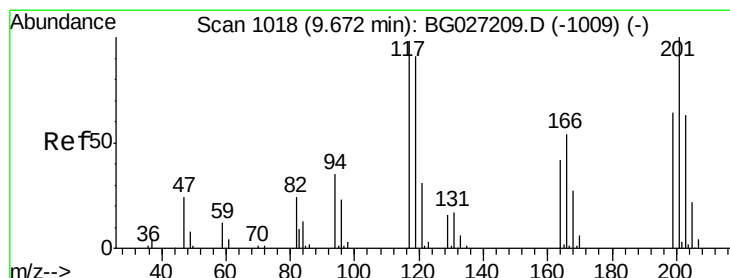
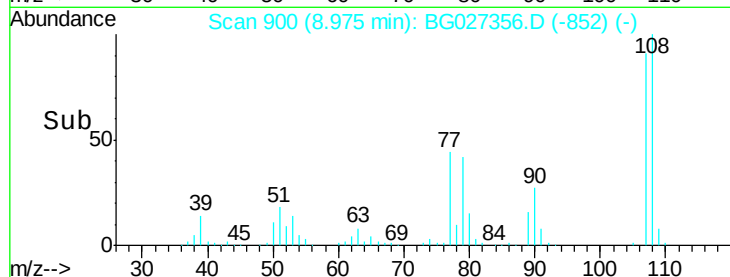
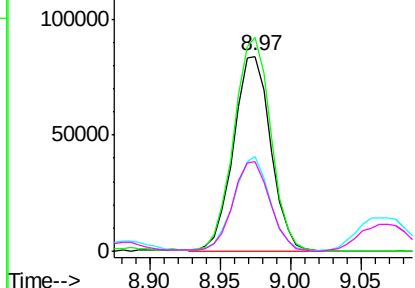
#17  
2-Methylphenol  
Concen: 49.34 ng  
RT: 8.97 min Scan# 900  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.5 | 85.6  | 128.4 |
| 77      | 48.6  | 51.4  | 77.2# |
| 79      | 46.2  | 49.2  | 73.8# |

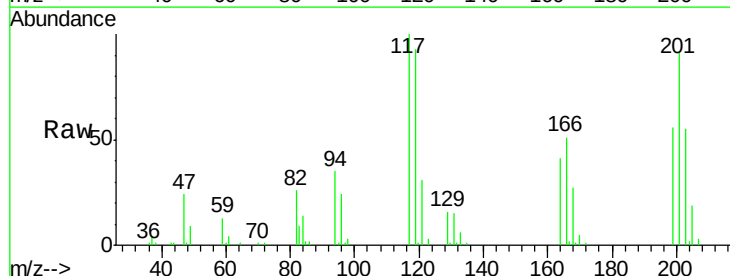


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

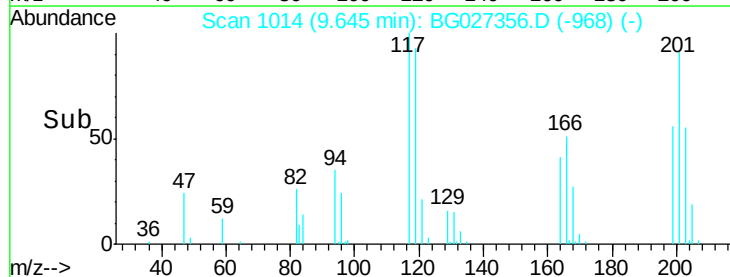
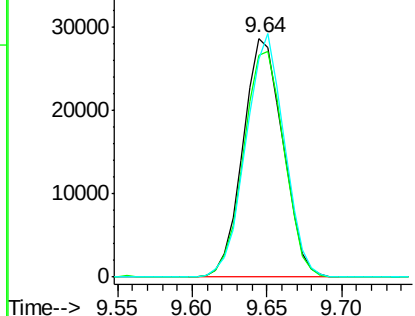


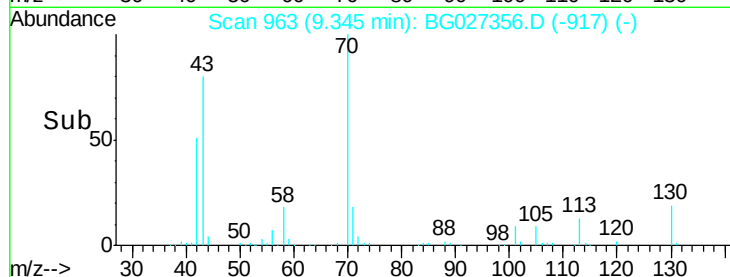
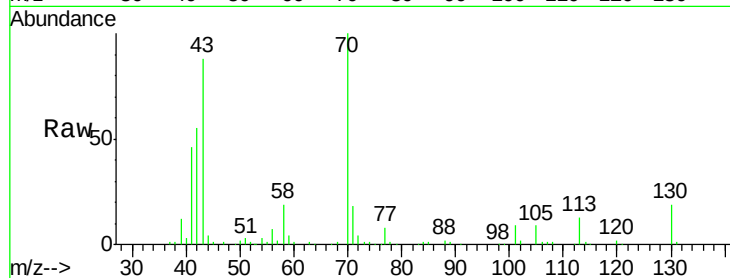
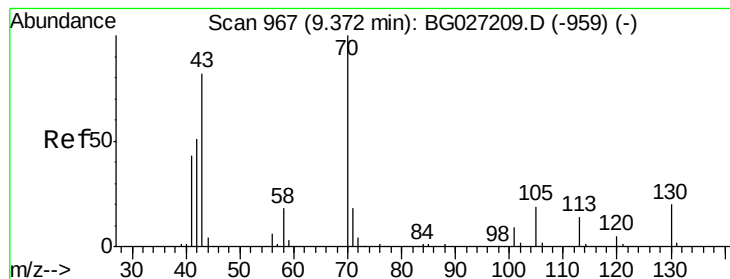
#18  
Hexachloroethane  
Concen: 43.50 ng  
RT: 9.64 min Scan# 1014  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 92.7  | 69.8  | 104.6  |
| 201     | 91.3  | 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: 49.69 ng

RT: 9.35 min Scan# 963

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 151032

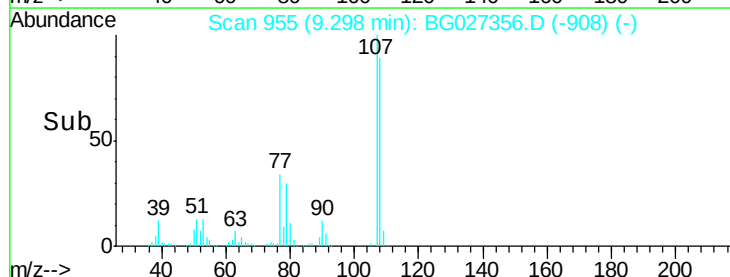
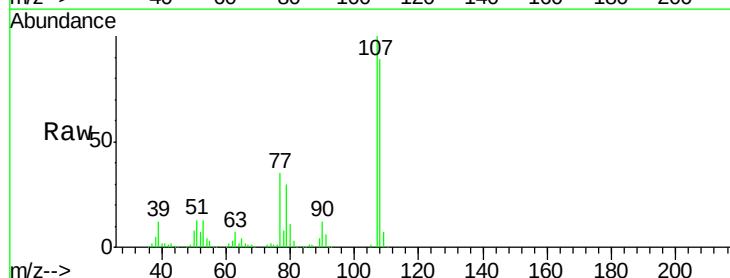
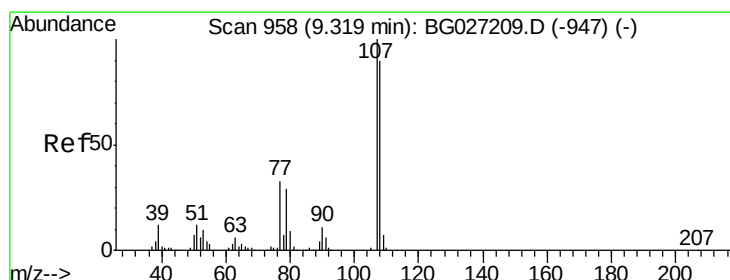
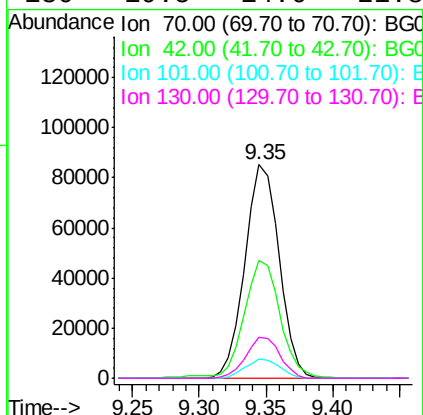
Ion Ratio Lower Upper

70 100

42 55.3 56.1 84.1#

101 9.1 7.5 11.3

130 19.5 14.6 21.8



#20

3+4-Methylphenols

Concen: 48.78 ng

RT: 9.30 min Scan# 955

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:107 Resp: 212214

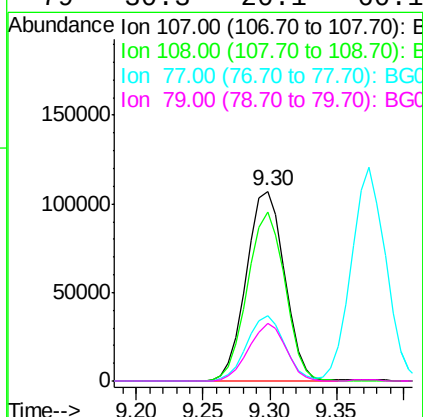
Ion Ratio Lower Upper

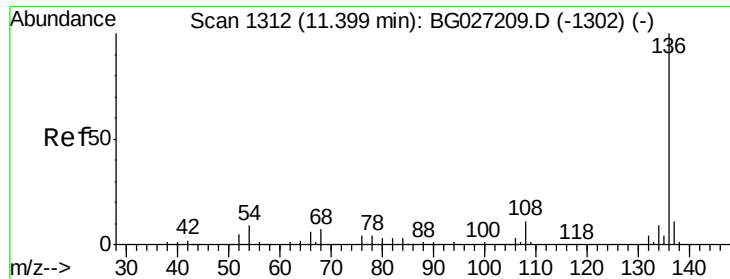
107 100

108 88.8 70.8 110.8

77 34.6 25.8 65.8

79 30.3 20.1 60.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.38 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 213895

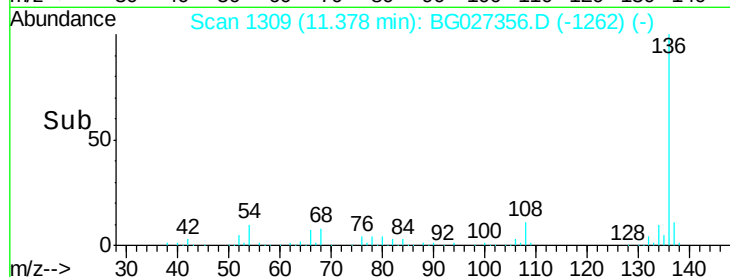
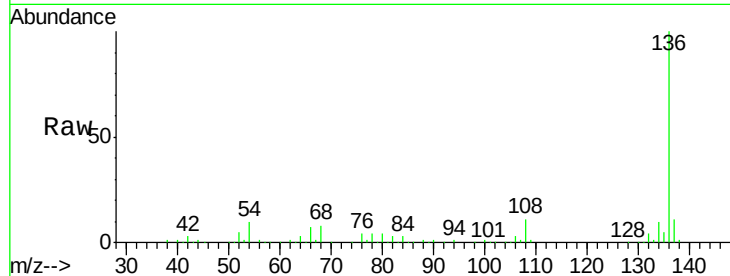
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 10.3 9.3 13.9

68 8.3 5.1 7.7#

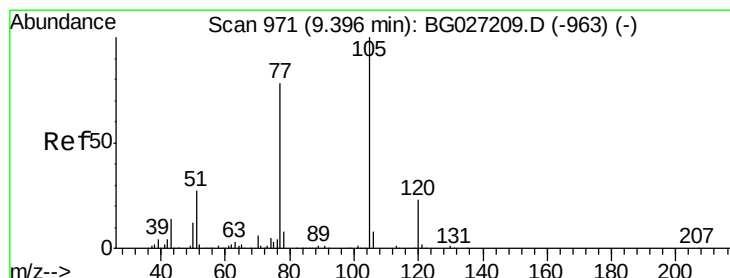
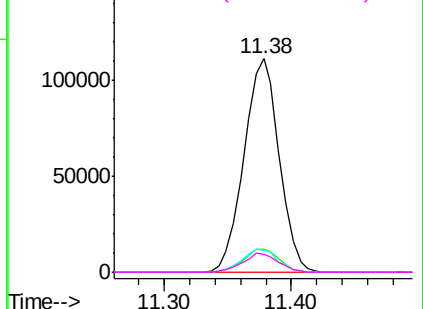


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.42 ng

RT: 9.37 min Scan# 968

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:105 Resp: 259406

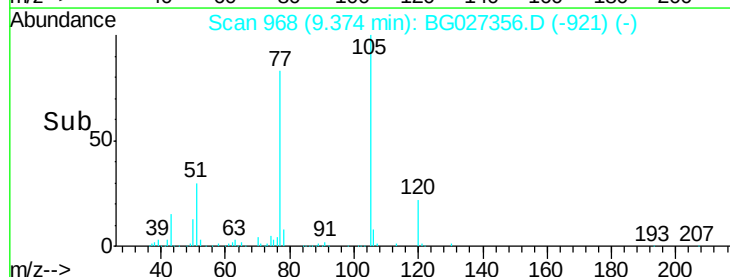
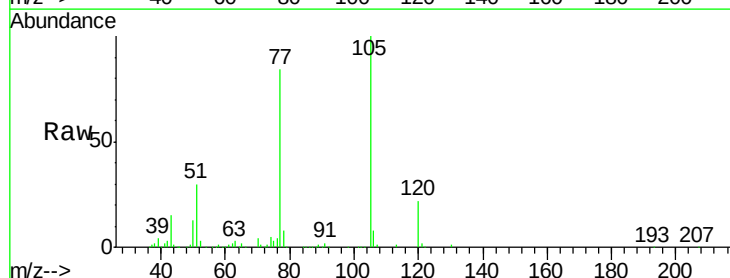
Ion Ratio Lower Upper

105 100

71 0.6 0.9 1.3#

51 29.9 34.0 51.0#

120 21.7 17.3 25.9

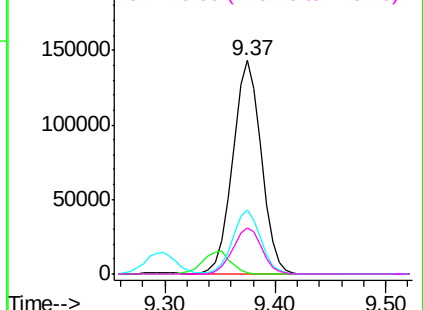


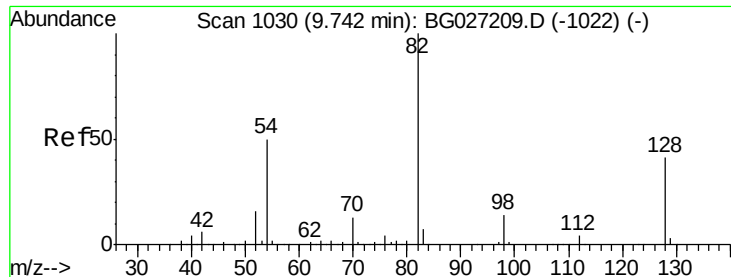
Abundance Ion 105.00 (104.70 to 105.70): E

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

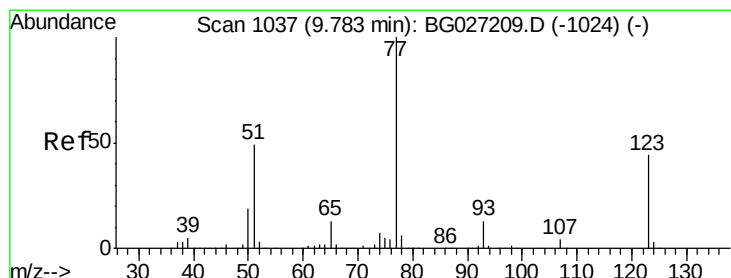
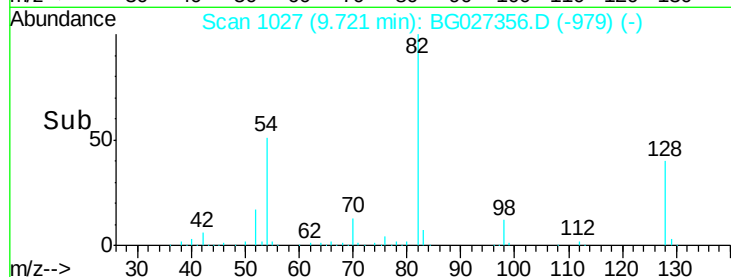
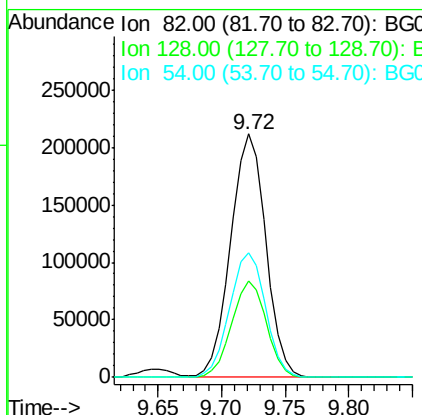
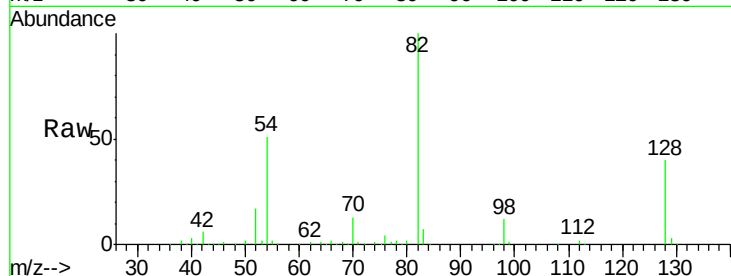




#23  
Nitrobenzene-d5  
Concen: 119.37 ng  
RT: 9.72 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

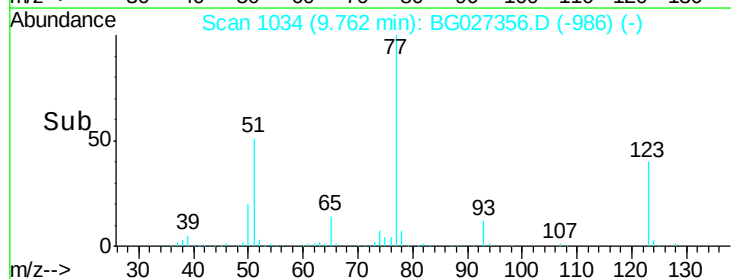
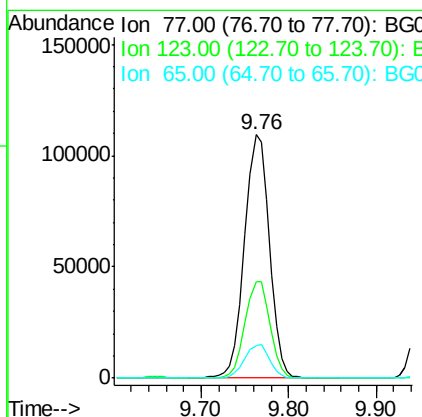
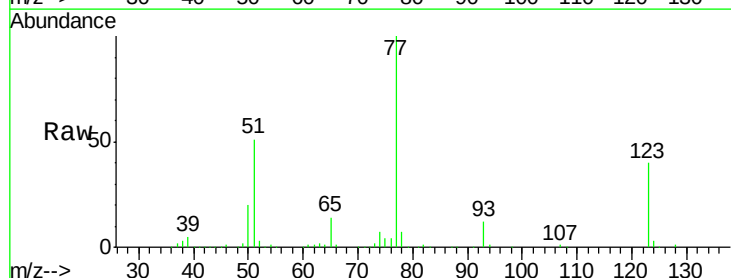
Instrument :  
BNA\_G  
ClientSampleId :

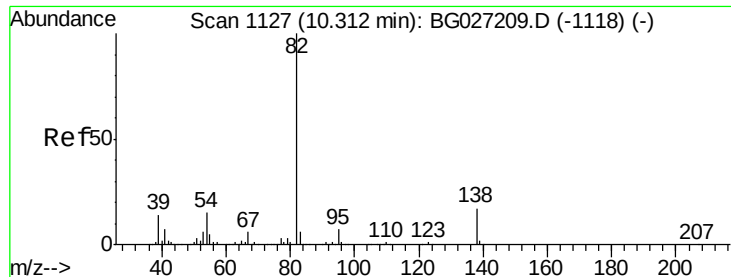
Tot Ion: 82 Resp: 405980  
Ion Ratio Lower Upper  
82 100  
128 39.6 26.4 39.6#  
54 50.9 49.4 74.2



#24  
Nitrobenzene  
Concen: 54.20 ng  
RT: 9.76 min Scan# 1034  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion: 77 Resp: 209995  
Ion Ratio Lower Upper  
77 100  
123 39.6 26.1 39.1#  
65 13.5 12.4 18.6





#25

Isophorone

Concen: 51.02 ng

RT: 10.28 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

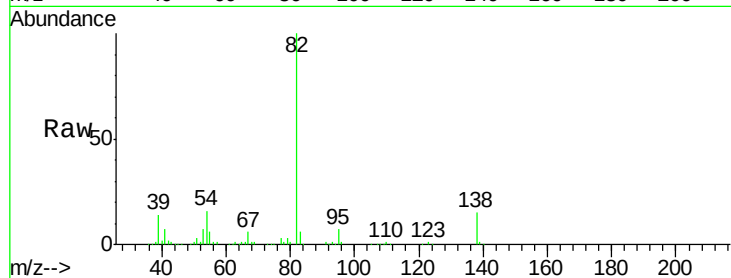
Tot Ion: 82 Resp: 408012

Ion Ratio Lower Upper

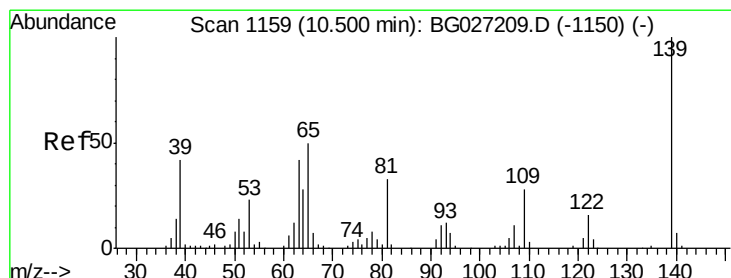
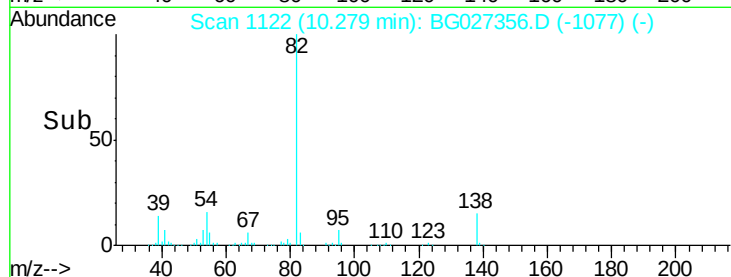
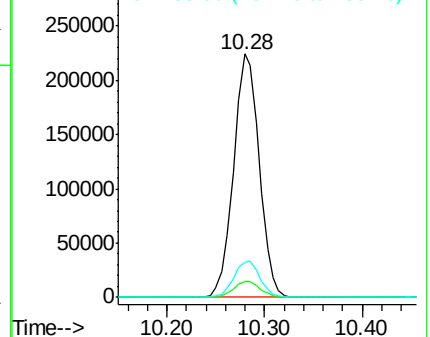
82 100

95 6.5 7.5 11.3#

138 14.5 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: 52.73 ng

RT: 10.47 min Scan# 1155

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

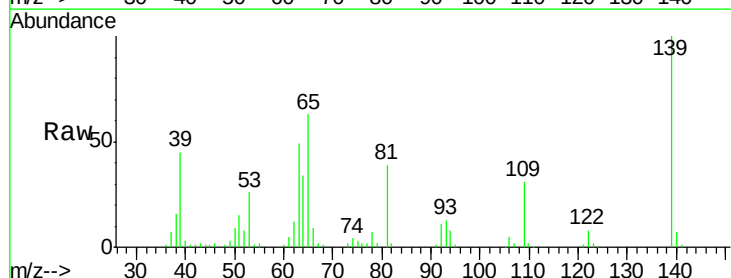
Tgt Ion: 139 Resp: 85570

Ion Ratio Lower Upper

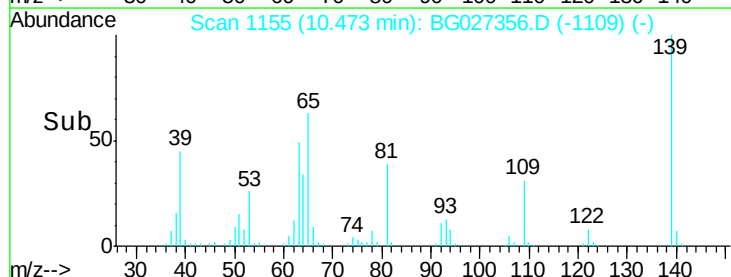
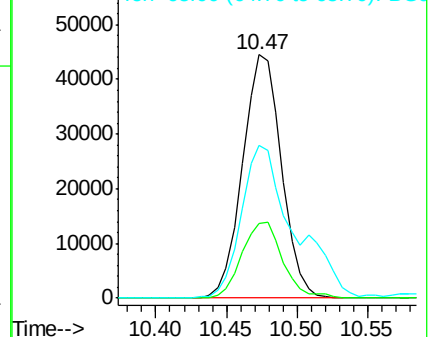
139 100

109 30.9 38.6 58.0#

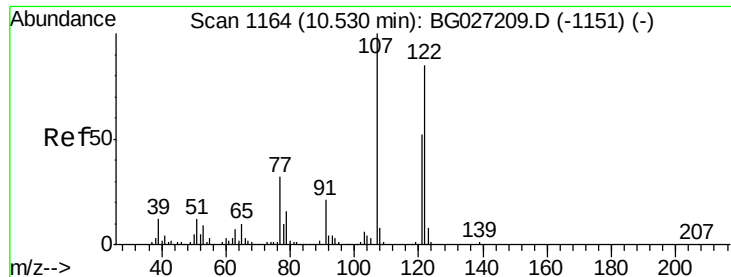
65 62.8 57.1 85.7



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



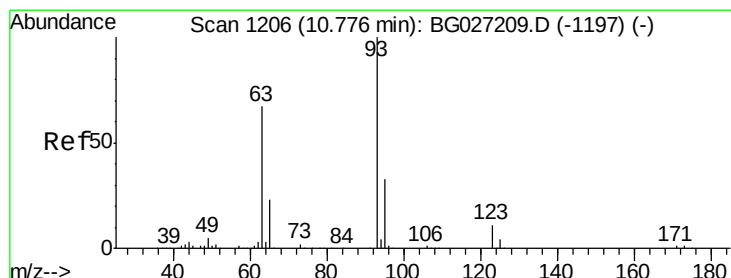
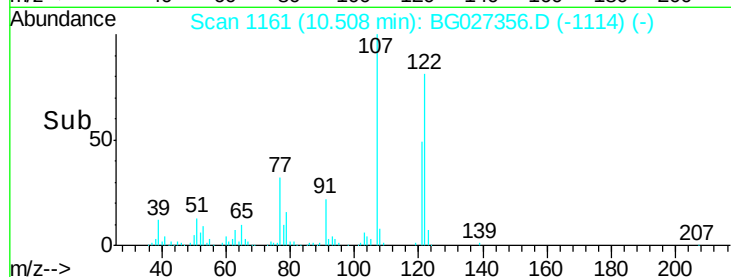
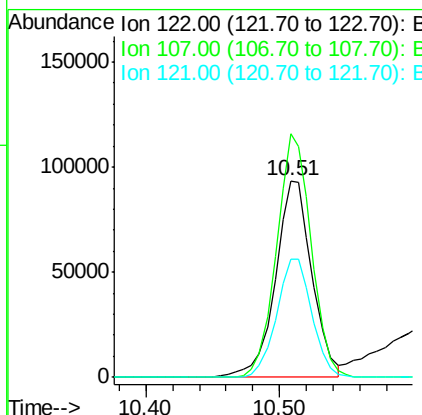
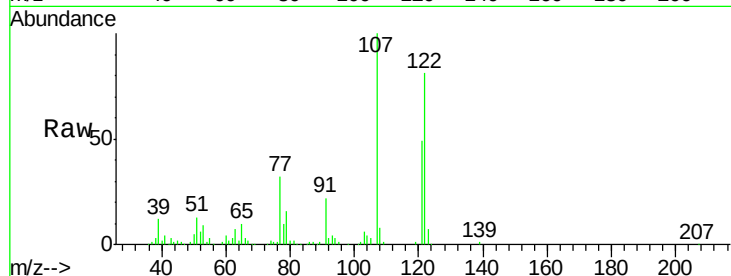




#27  
2,4-Dimethylphenol  
Concen: 51.70 ng  
RT: 10.51 min Scan# 1161  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

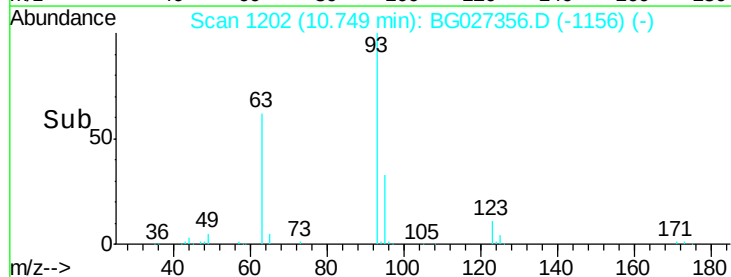
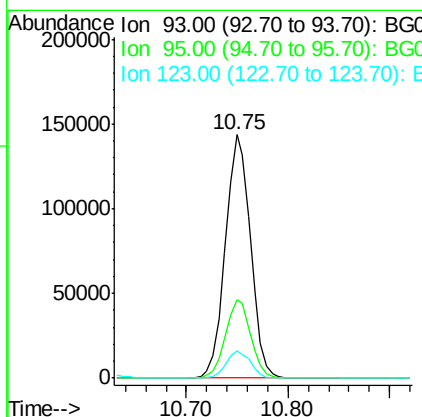
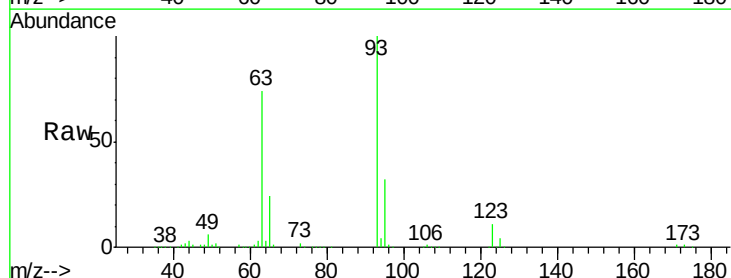
Instrument :  
BNA\_G  
ClientSampleId :

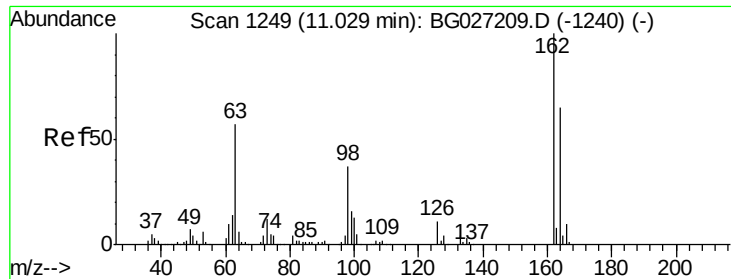
Tot Ion:122 Resp: 177781  
Ion Ratio Lower Upper  
122 100  
107 123.7 104.2 156.4  
121 60.2 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.51 ng  
RT: 10.75 min Scan# 1202  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion: 93 Resp: 246025  
Ion Ratio Lower Upper  
93 100  
95 32.2 25.7 38.5  
123 11.0 8.3 12.5

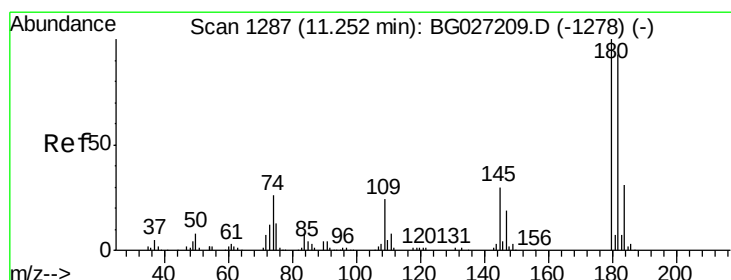
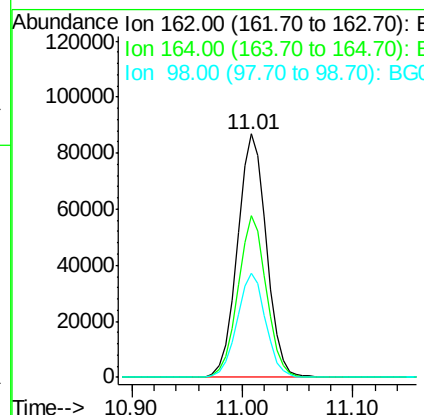
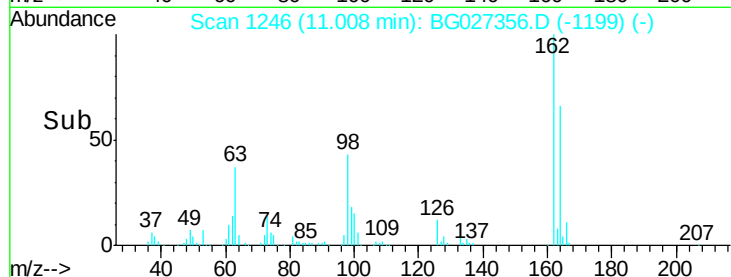
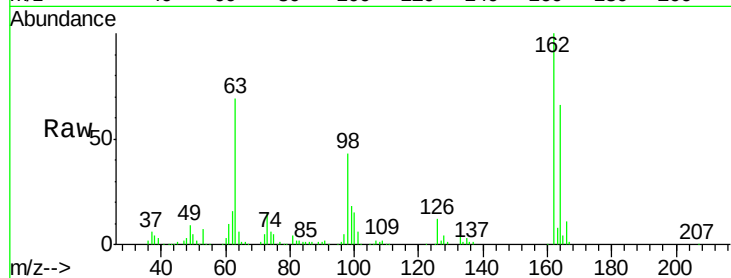




#29  
2,4-Dichlorophenol  
Concen: 50.75 ng  
RT: 11.01 min Scan# 1246  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

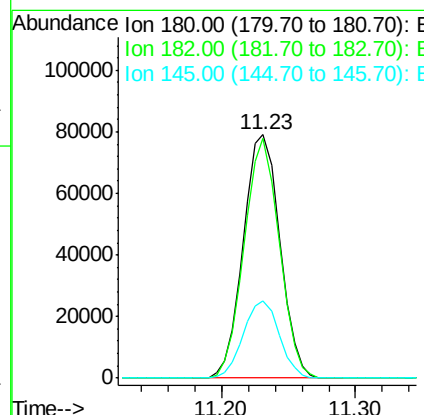
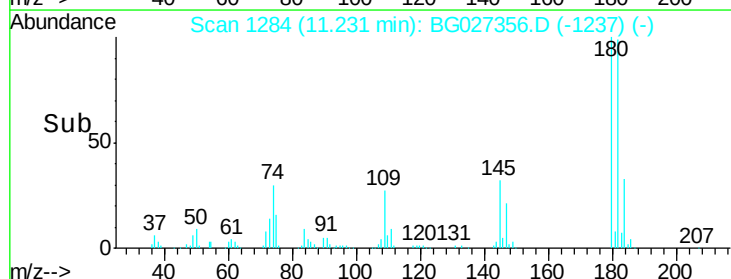
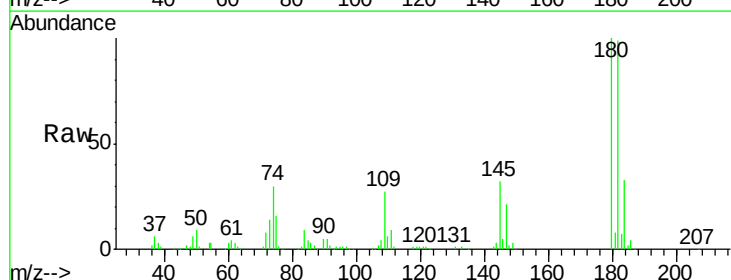
Instrument :  
BNA\_G  
ClientSampleId :

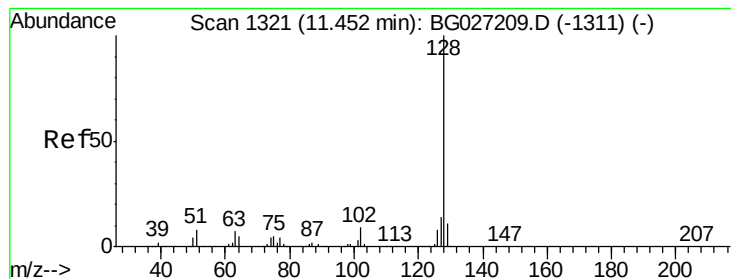
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.3  | 42.4  | 82.4  |
| 98      | 42.7  | 20.3  | 60.3  |



#30  
1,2,4-Trichlorobenzene  
Concen: 43.12 ng  
RT: 11.23 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.6  | 77.0  | 115.4 |
| 145     | 31.6  | 23.4  | 35.0  |





#31

Naphthalene

Concen: 44.37 ng

RT: 11.42 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

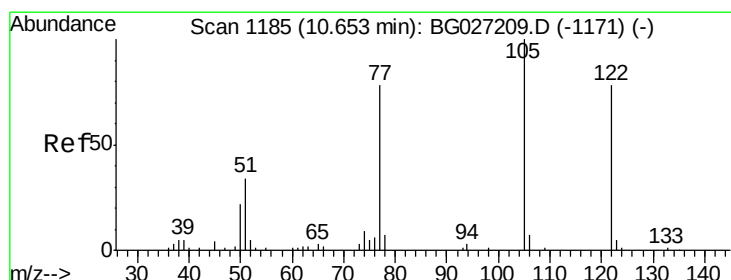
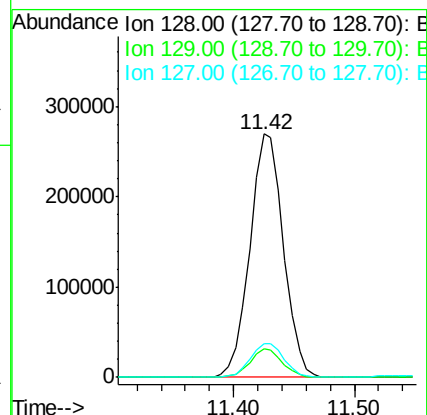
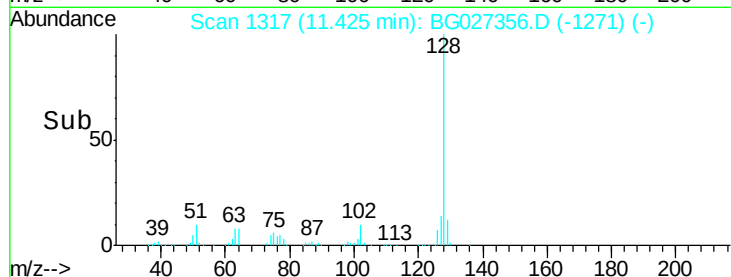
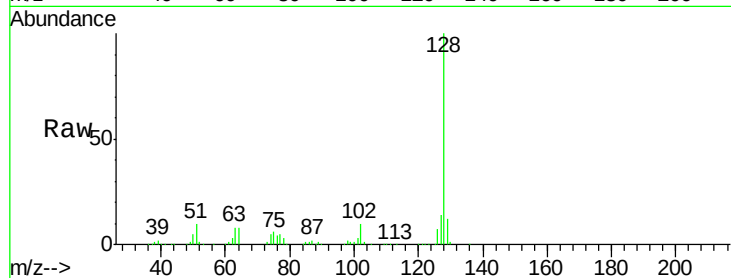
Tot Ion:128 Resp: 518731

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

127 14.0 11.4 17.0



#32

Benzoic acid

Concen: 46.19 ng

RT: 10.63 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

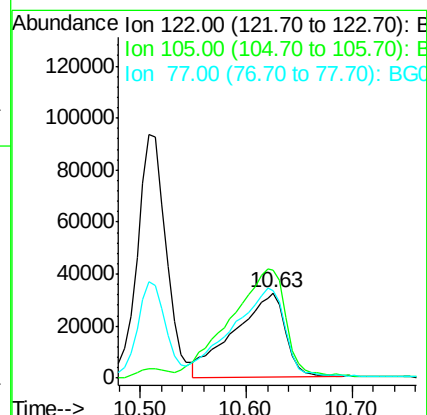
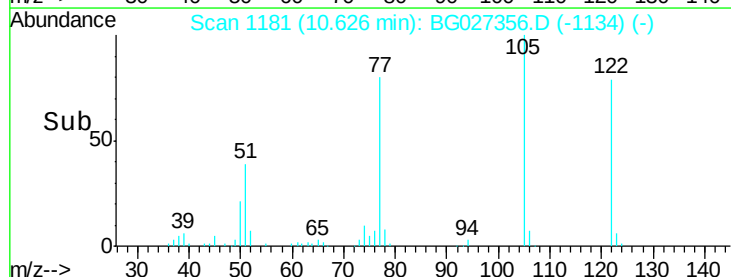
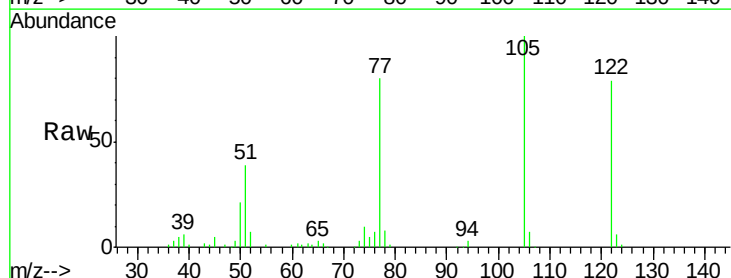
Tgt Ion:122 Resp: 109002

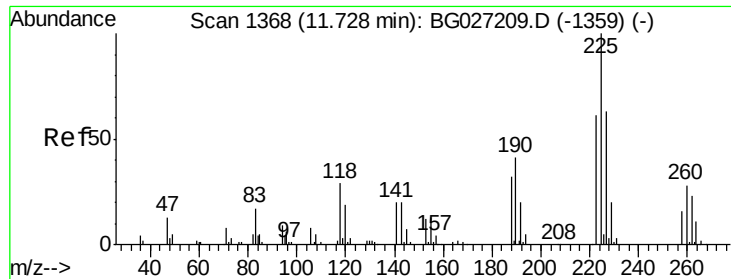
Ion Ratio Lower Upper

122 100

105 127.3 120.1 160.1

77 102.3 104.6 144.6#





#34

Hexachlorobutadiene

Concen: 42.33 ng

RT: 11.70 min Scan# 1364

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

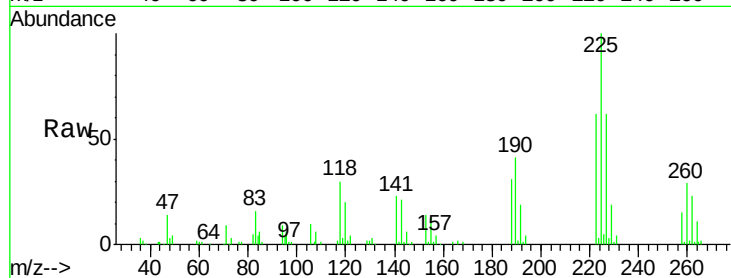
Tot Ion:225 Resp: 90428

Ion Ratio Lower Upper

225 100

223 61.7 50.7 76.1

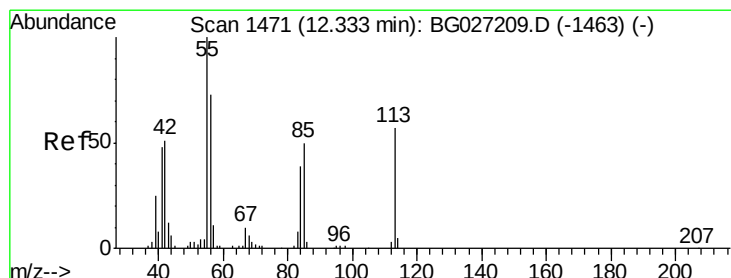
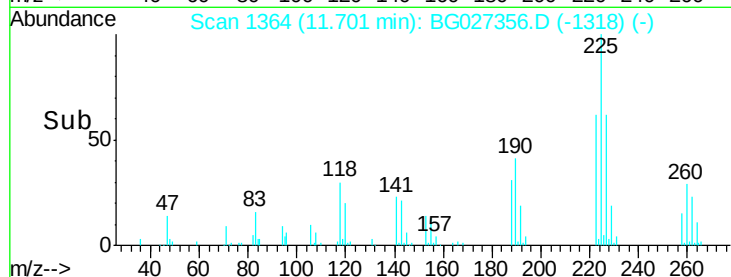
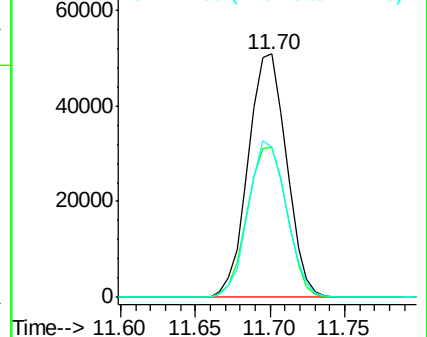
227 61.8 49.0 73.6



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: 35.28 ng

RT: 12.29 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

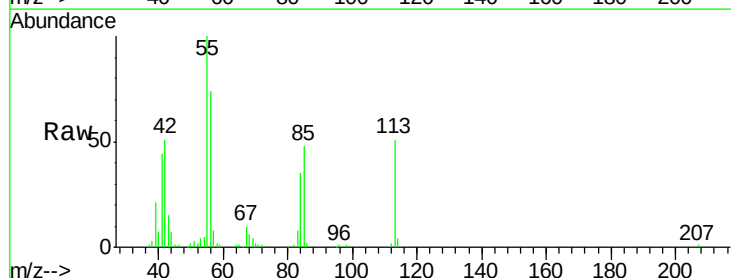
Tgt Ion:113 Resp: 37982

Ion Ratio Lower Upper

113 100

55 196.5 198.6 238.6#

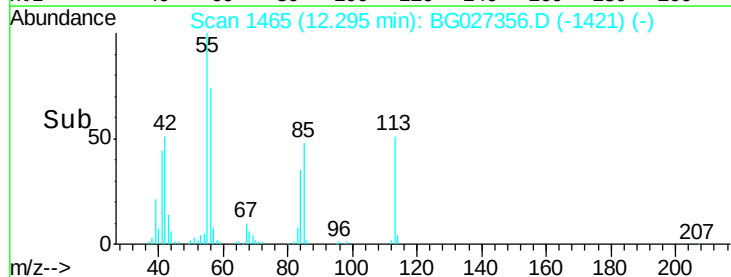
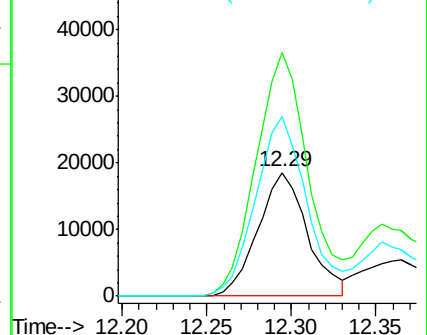
56 145.4 140.4 180.4

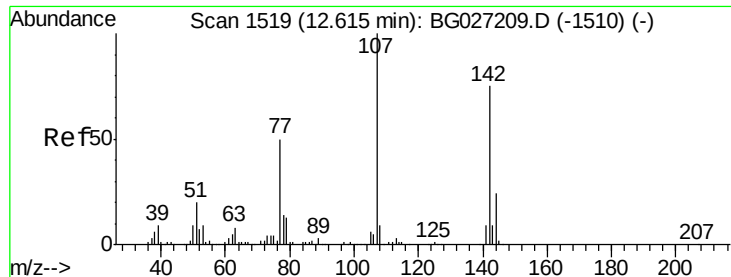


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

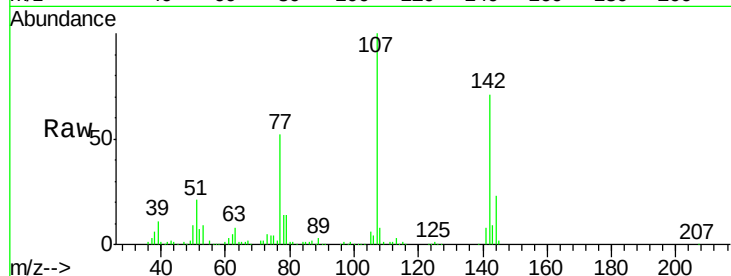




#36  
4-Chloro-3-methylphenol  
Concen: 53.33 ng  
RT: 12.60 min Scan# 1517  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 22.8  | 17.4  | 26.0  |
| 142     | 71.3  | 54.1  | 81.1  |

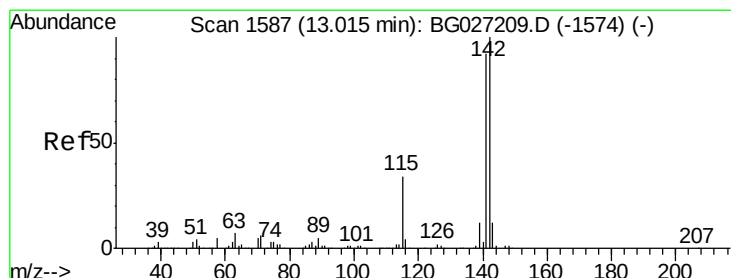
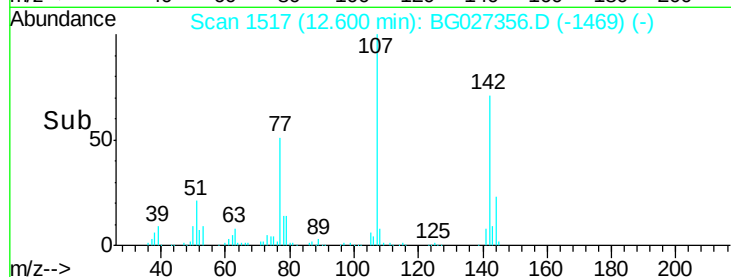
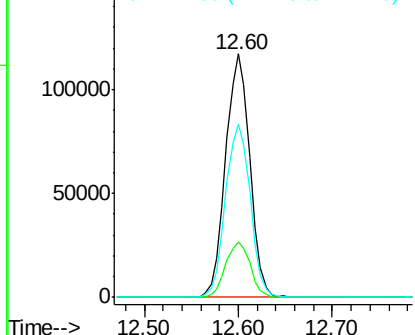


Abundance

Ion 107.00 (106.70 to 107.70): E

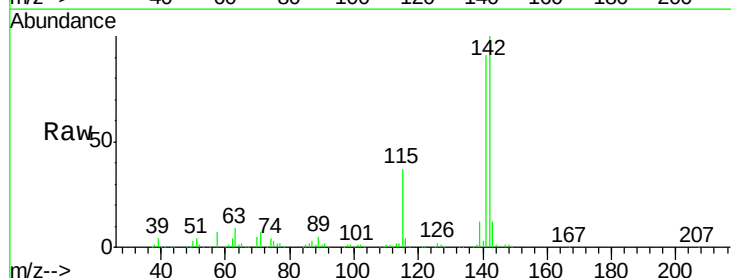
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37  
2-Methylnaphthalene  
Concen: 43.92 ng  
RT: 12.99 min Scan# 1583  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.7  | 70.4  | 105.6 |
| 115     | 36.7  | 35.5  | 53.3  |

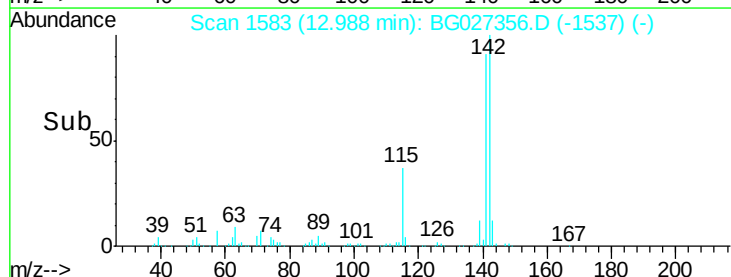
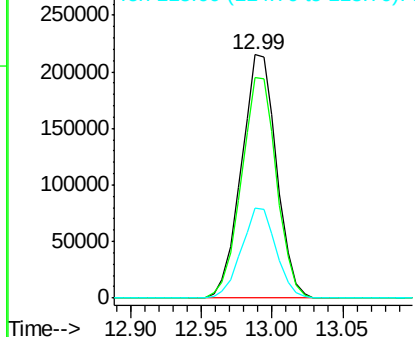


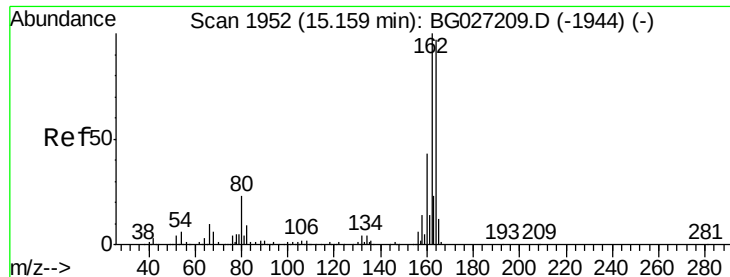
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.14 min Scan# 1949

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

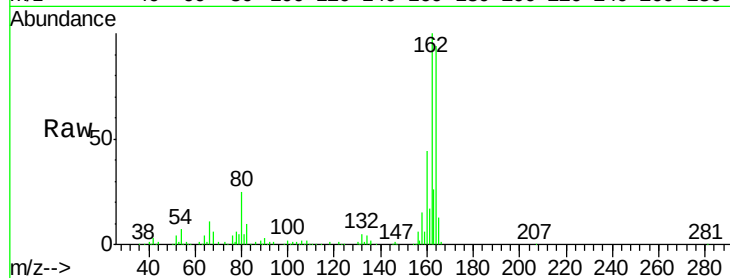
Instrument :

BNA\_G

ClientSampled :

Tot Ion:164 Resp: 132427

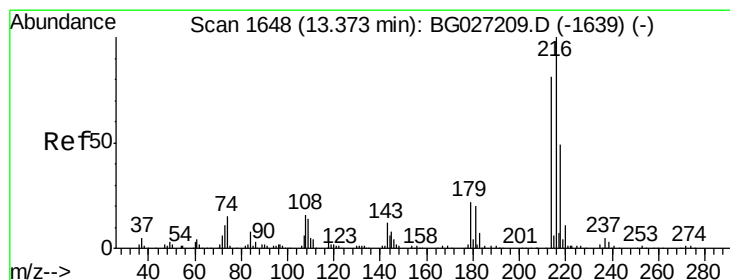
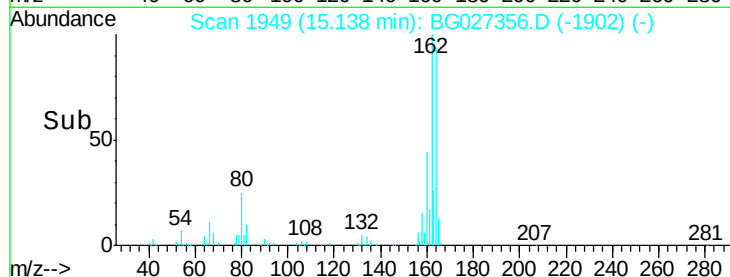
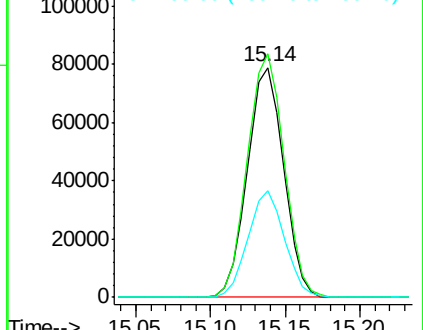
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 106.0 | 85.1  | 127.7 |
| 160 | 46.2  | 34.7  | 52.1  |



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.81 ng

RT: 13.35 min Scan# 1644

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:216 Resp: 180734

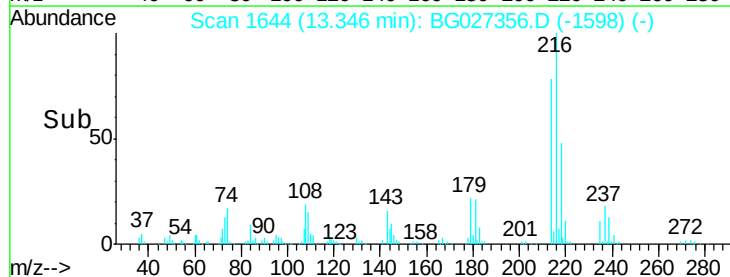
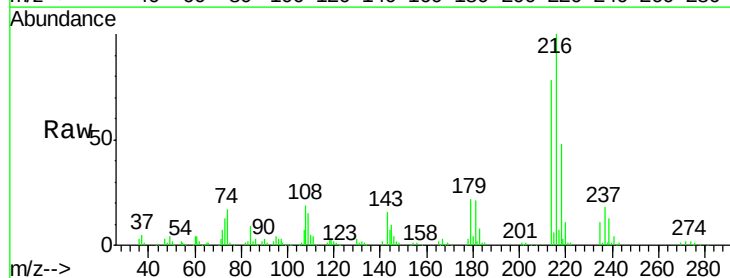
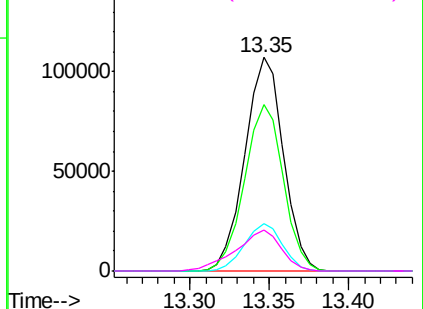
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 78.4  | 64.4  | 96.6  |
| 179 | 22.1  | 17.4  | 26.0  |
| 108 | 22.4  | 15.6  | 23.4  |

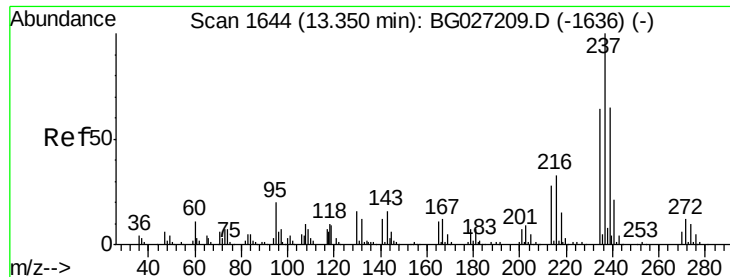
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 110.45 ng

RT: 13.32 min Scan# 1640

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

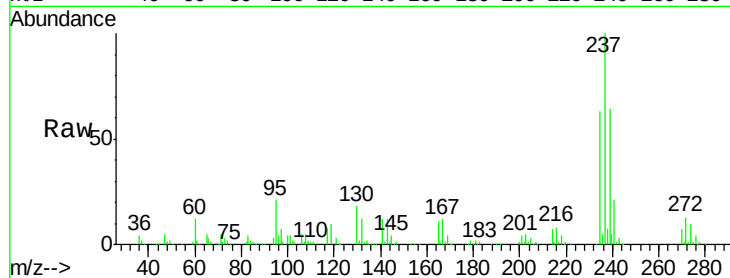
Tot Ion:237 Resp: 242516

Ion Ratio Lower Upper

237 100

235 62.9 39.4 79.4

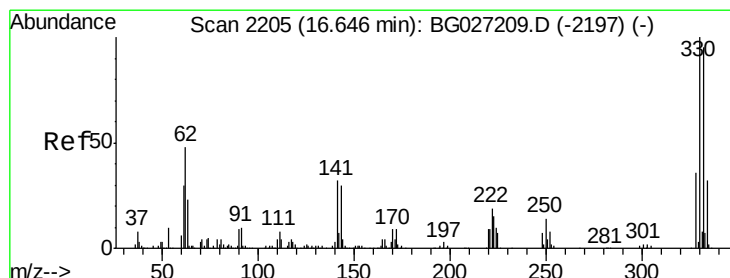
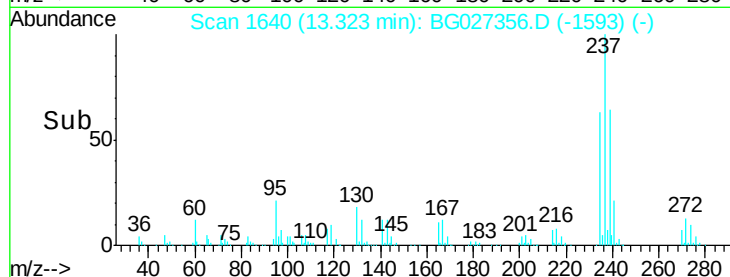
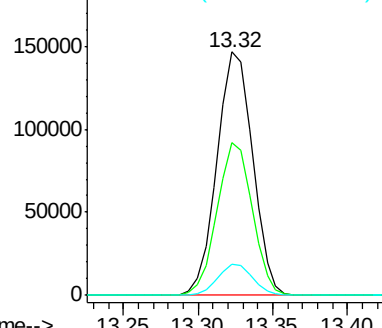
272 13.0 0.0 32.0



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 173.32 ng

RT: 16.62 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

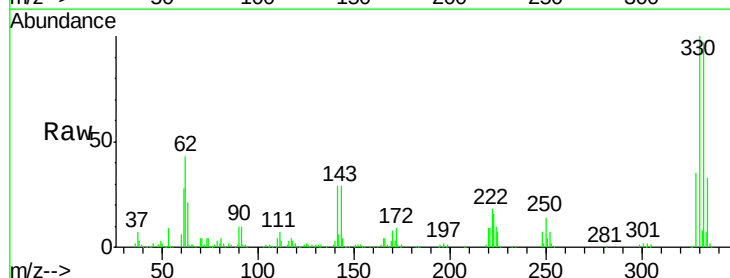
Tgt Ion:330 Resp: 302244

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

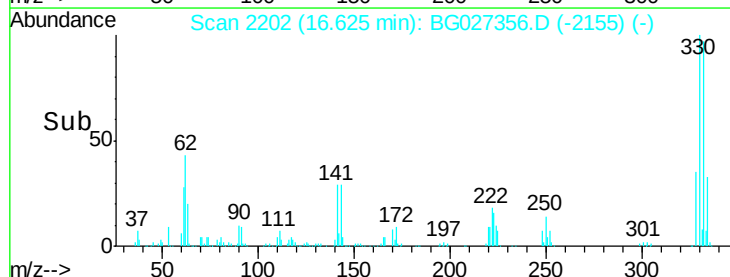
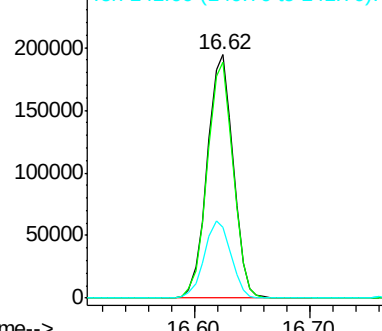
141 32.7 32.1 48.1

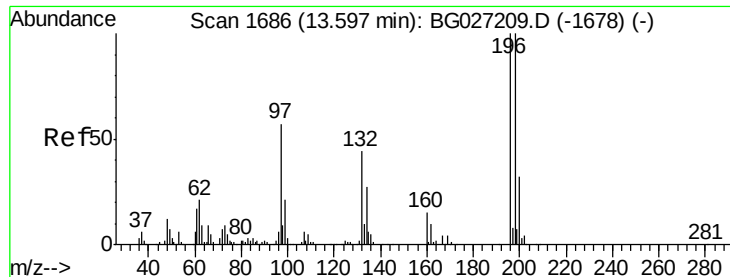


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 52.81 ng

RT: 13.58 min Scan# 1683

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampled :

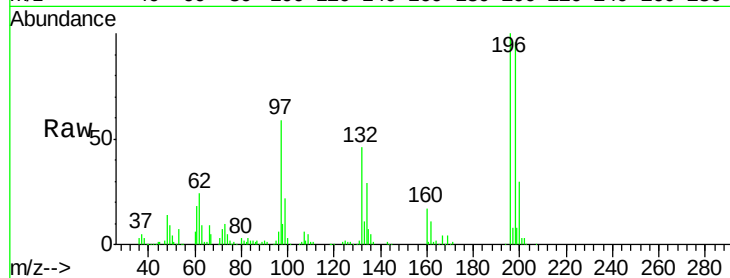
Tot Ion:196 Resp: 132136

Ion Ratio Lower Upper

196 100

198 96.2 81.4 122.2

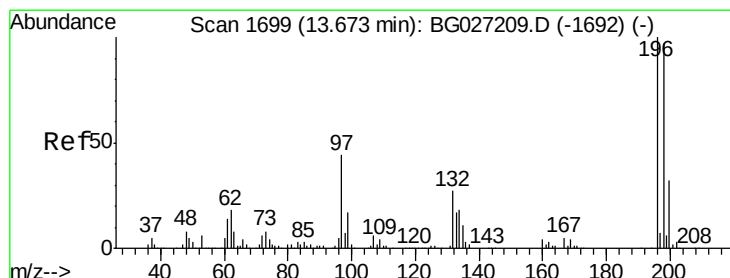
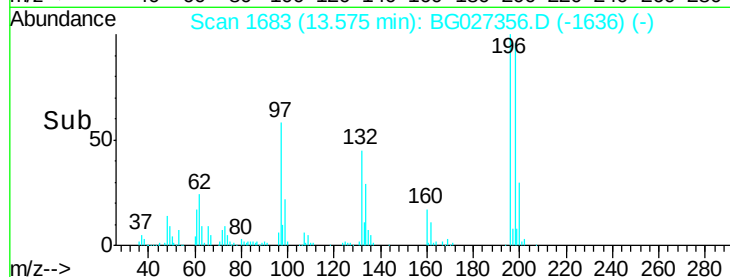
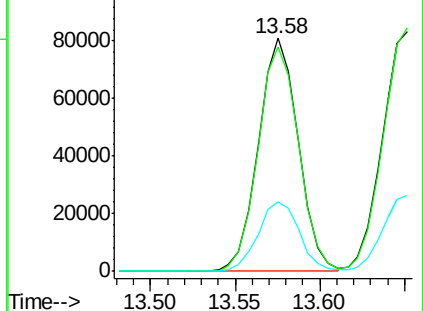
200 30.0 27.0 40.6



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: 51.70 ng

RT: 13.65 min Scan# 1696

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:196 Resp: 144770

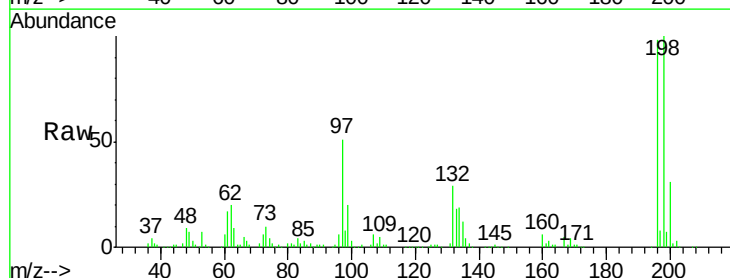
Ion Ratio Lower Upper

196 100

198 101.5 79.9 119.9

97 51.4 45.4 68.0

132 28.9 20.7 31.1

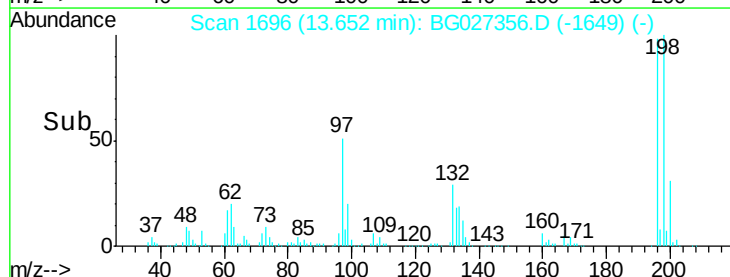
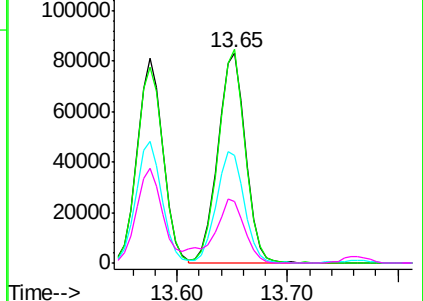


Abundance Ion 196.00 (195.70 to 196.70): E

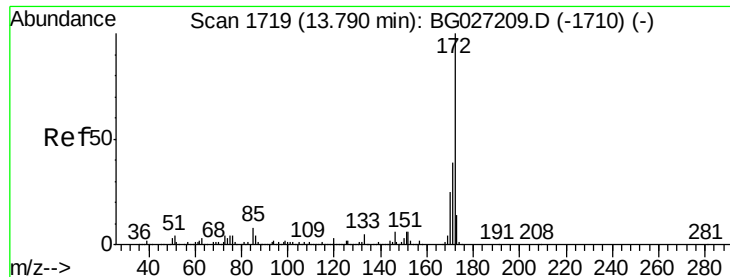
Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



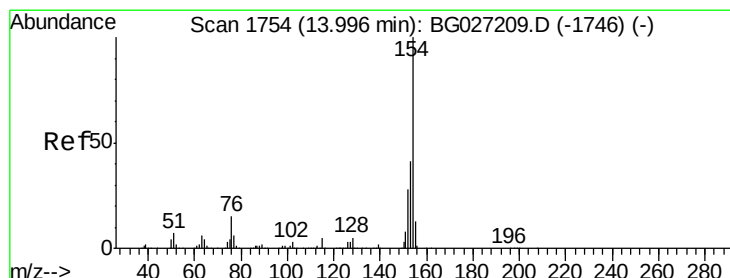
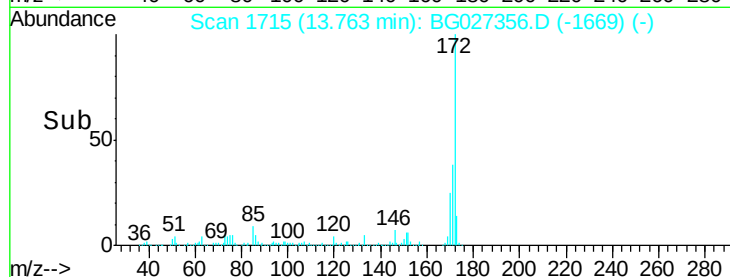
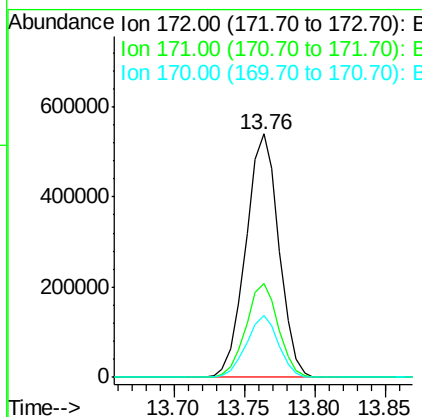
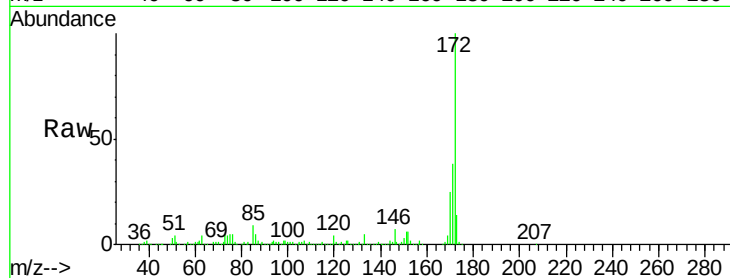




#44  
2-Fluorobiphenyl  
Concen: 93.44 ng  
RT: 13.76 min Scan# 1715  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

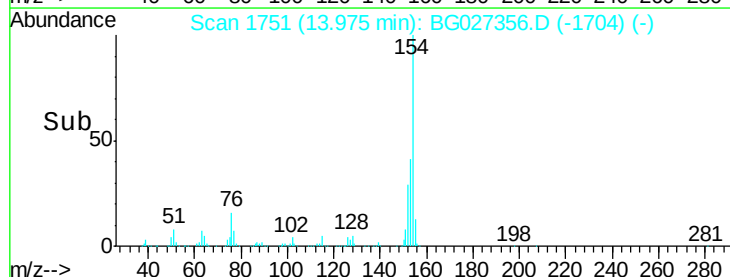
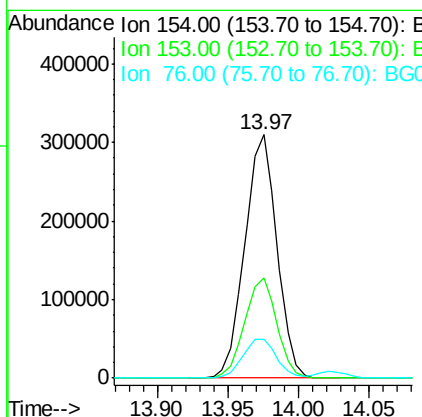
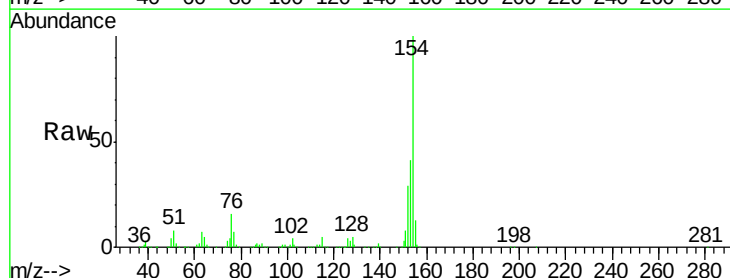
Instrument :  
BNA\_G  
ClientSampleId :

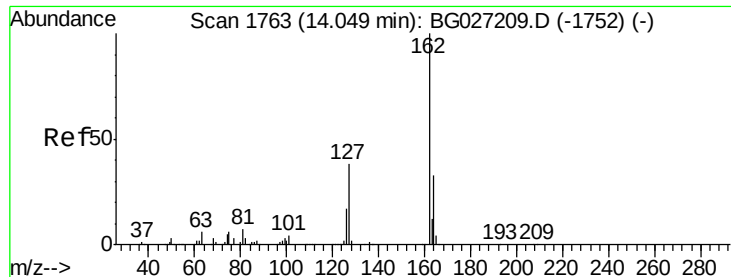
|             |              |
|-------------|--------------|
| Tot Ion:172 | Resp: 884515 |
| Ion Ratio   | Lower Upper  |
| 172 100     |              |
| 171 38.5    | 32.2 48.2    |
| 170 25.4    | 21.8 32.6    |



#45  
1,1'-Biphenyl  
Concen: 45.76 ng  
RT: 13.97 min Scan# 1751  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:154 | Resp: | 494596 |
| Ion | Ratio   | Lower | Upper  |
| 154 | 100     |       |        |
| 153 | 41.1    | 23.0  | 63.0   |
| 76  | 16.1    | 0.0   | 33.5   |

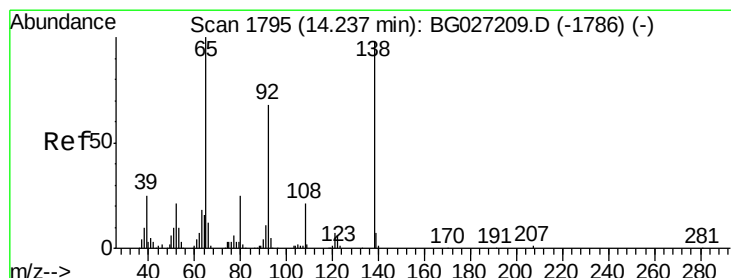
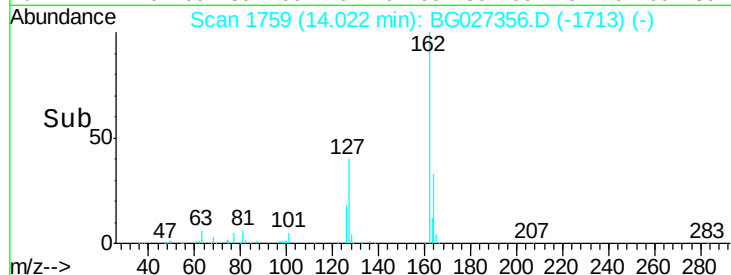
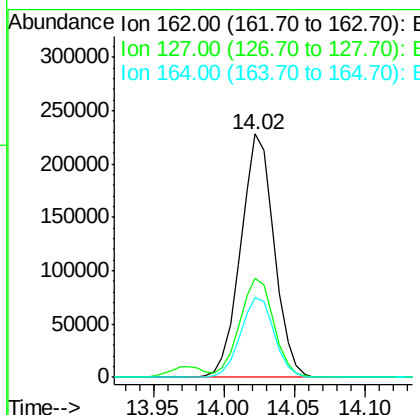
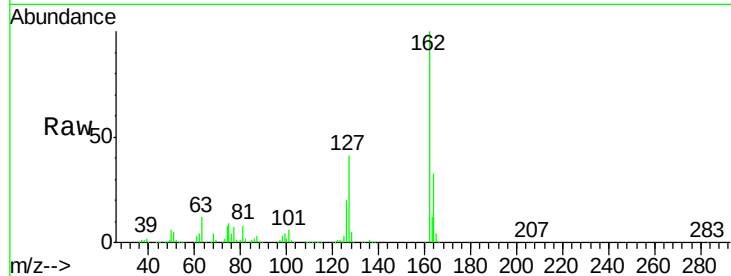




#46  
 2-Chloronaphthalene  
 Concen: 46.47 ng  
 RT: 14.02 min Scan# 1759  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

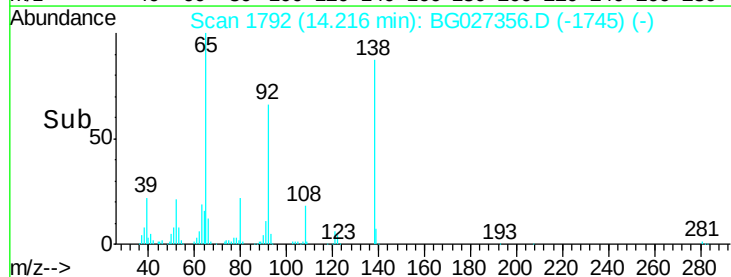
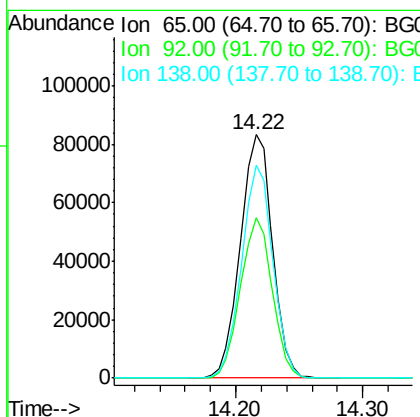
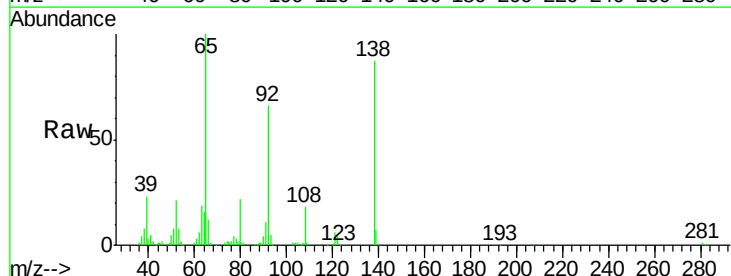
Instrument :  
 BNA\_G  
 ClientSampleId :

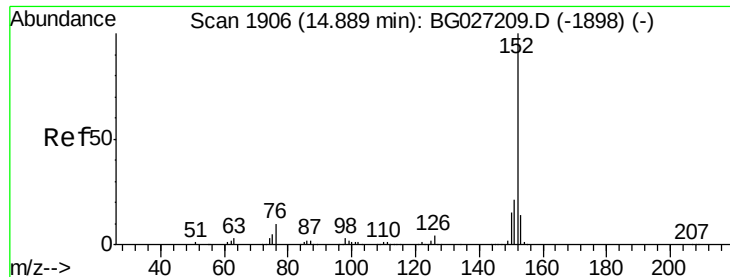
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.9  | 32.2  | 48.4  |
| 164     | 32.8  | 27.3  | 40.9  |



#47  
 2-Nitroaniline  
 Concen: 61.38 ng  
 RT: 14.22 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.8  | 49.0  | 73.4  |
| 138     | 87.3  | 58.6  | 87.8  |





#48

Acenaphthylene

Concen: 44.82 ng

RT: 14.86 min Scan# 1902

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

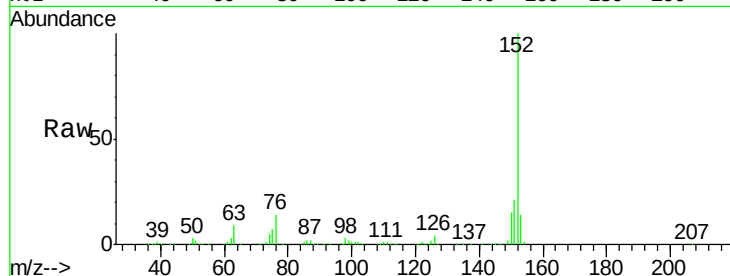
Tot Ion:152 Resp: 614710

Ion Ratio Lower Upper

152 100

151 21.0 18.2 27.2

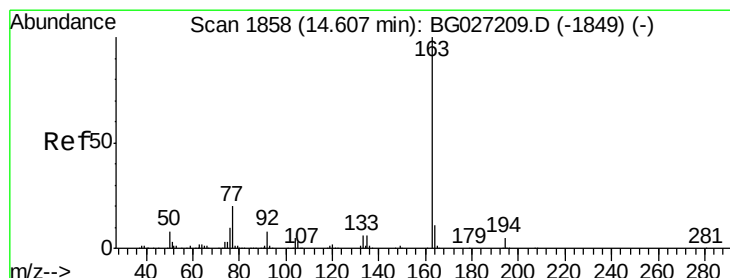
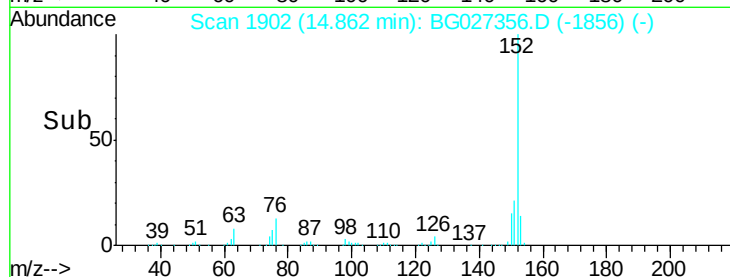
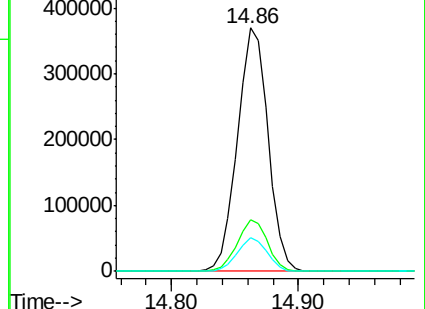
153 13.7 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 49.40 ng

RT: 14.57 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

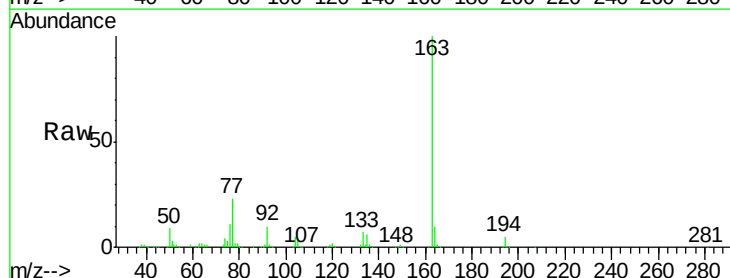
Tgt Ion:163 Resp: 518965

Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

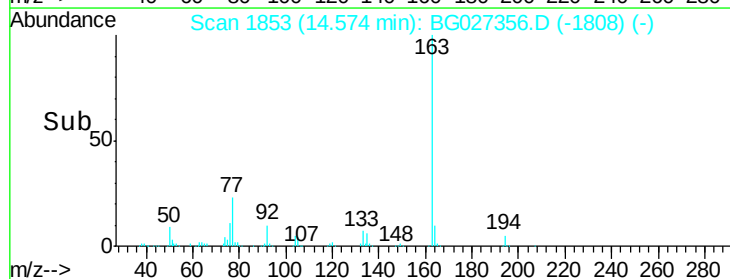
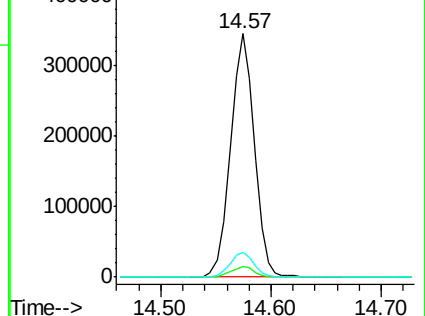
164 10.2 9.3 13.9

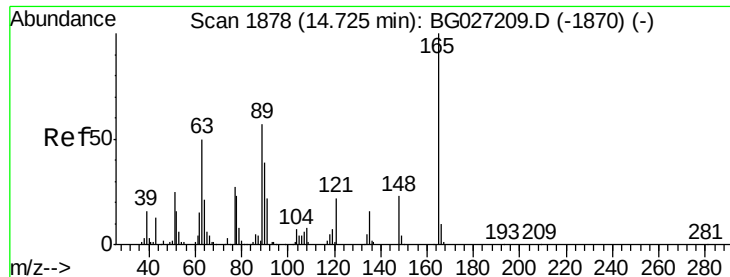


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

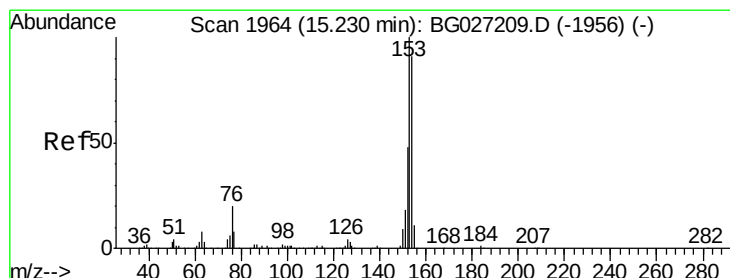
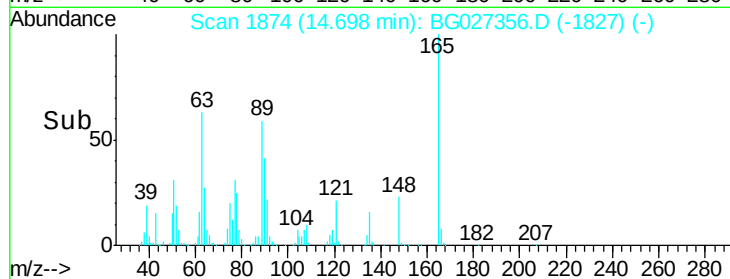
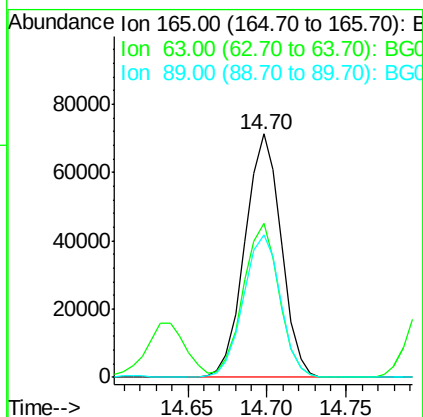
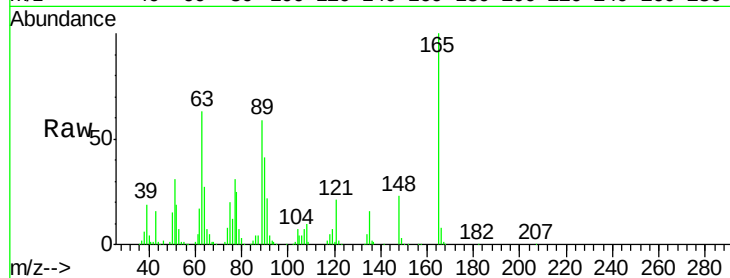




#50  
2,6-Dinitrotoluene  
Concen: 52.41 ng  
RT: 14.70 min Scan# 1874  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

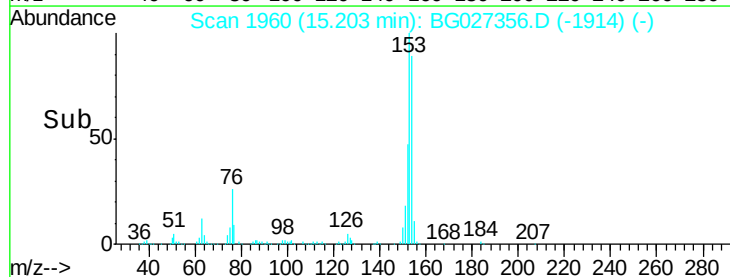
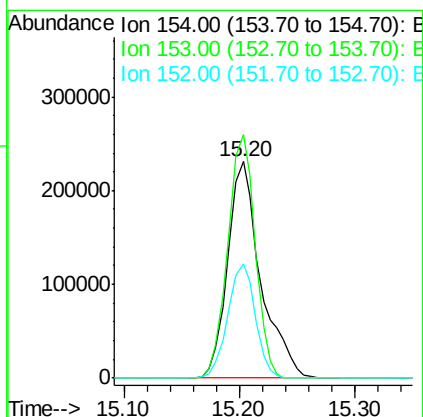
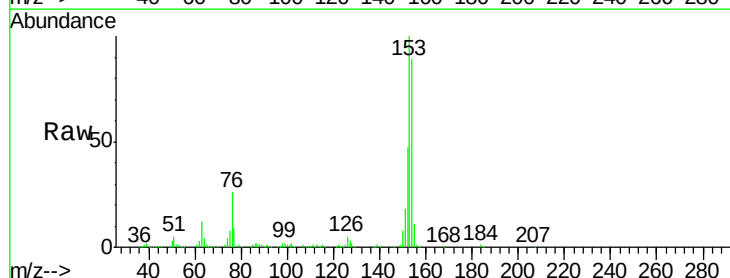
Instrument :  
BNA\_G  
ClientSampled :

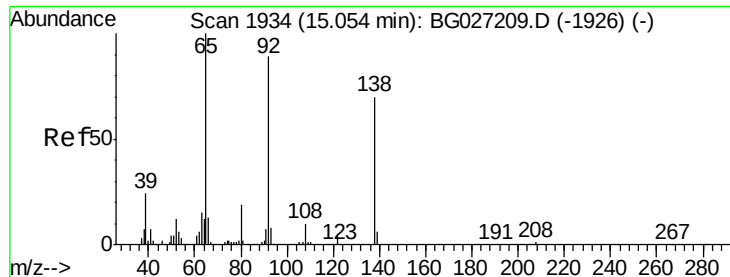
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 63.4  | 63.9  | 95.9# |
| 89      | 58.7  | 58.6  | 88.0  |



#51  
Acenaphthene  
Concen: 51.42 ng  
RT: 15.20 min Scan# 1960  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.4 | 87.8  | 131.6 |
| 152     | 52.9  | 42.2  | 63.4  |





#52

3-Nitroaniline

Concen: 12.38 ng

RT: 15.03 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

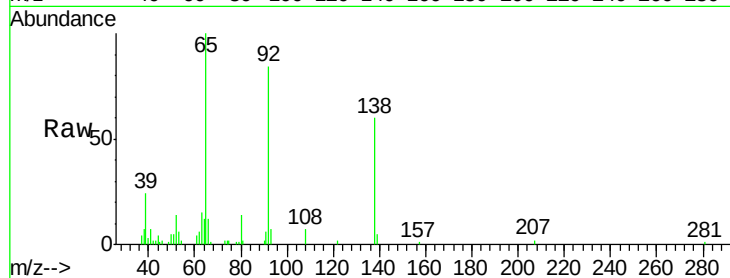
Tot Ion:138 Resp: 16944

Ion Ratio Lower Upper

138 100

108 11.8 10.9 16.3

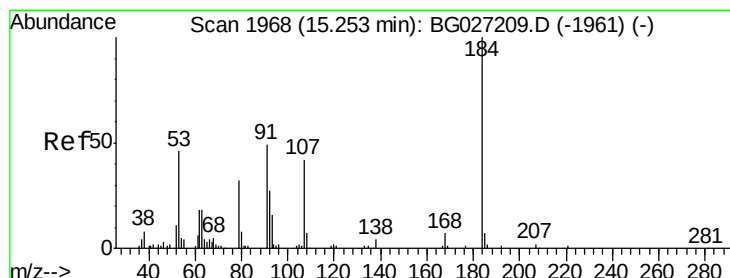
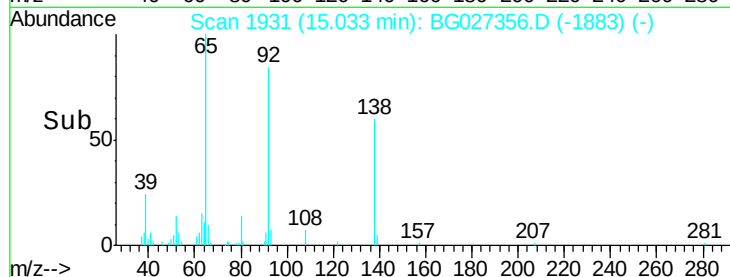
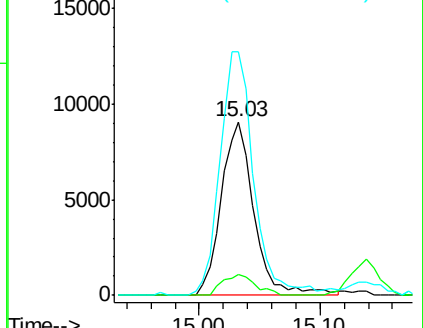
92 140.2 115.3 172.9



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: 112.21 ng

RT: 15.23 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

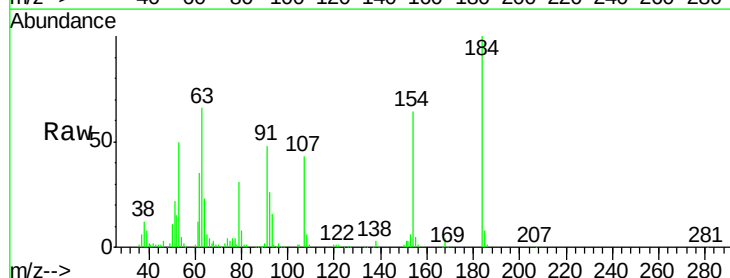
Tgt Ion:184 Resp: 136187

Ion Ratio Lower Upper

184 100

63 66.3 52.7 79.1

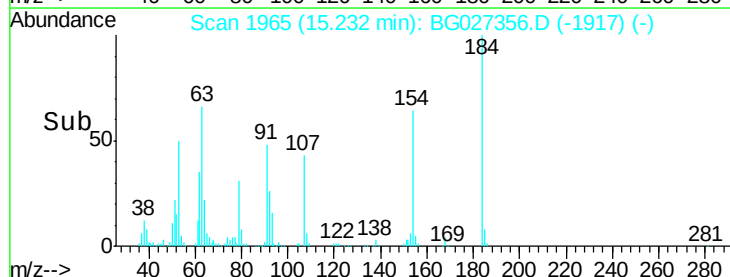
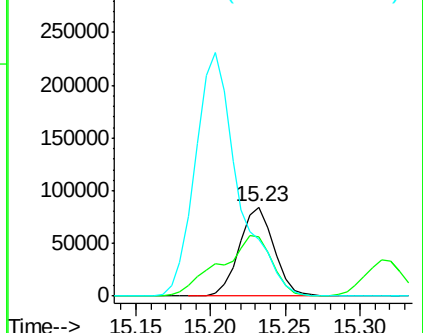
154 63.7 57.3 85.9

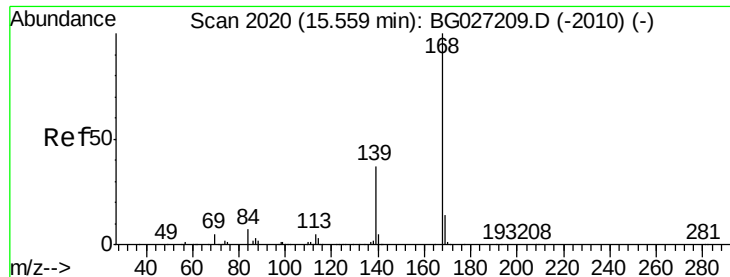


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 49.12 ng

RT: 15.53 min Scan# 2016

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampled :

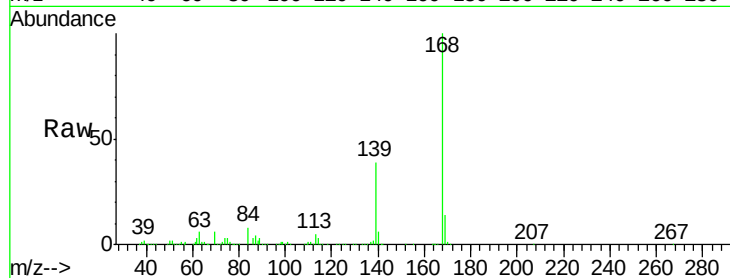
Tot Ion:168 Resp: 612395

Ion Ratio Lower Upper

168 100

139 39.2 35.3 52.9

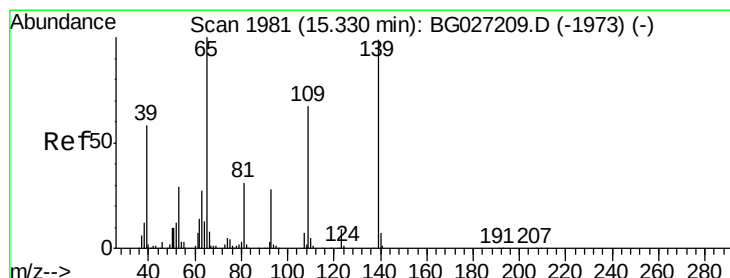
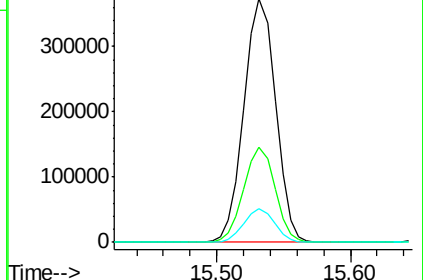
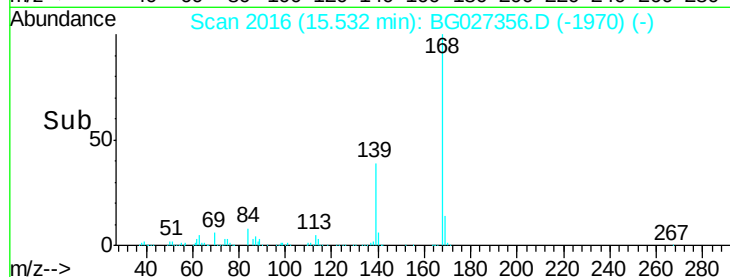
169 13.9 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 97.74 ng

RT: 15.32 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

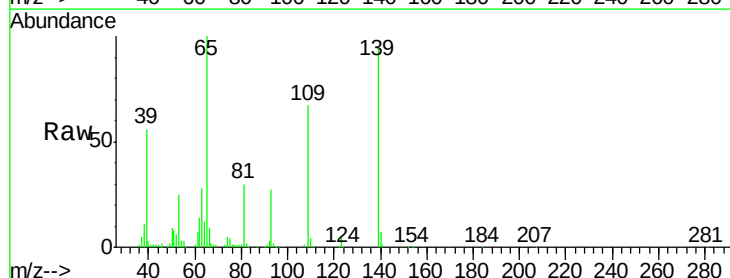
Tgt Ion:139 Resp: 196869

Ion Ratio Lower Upper

139 100

109 71.6 101.2 141.2#

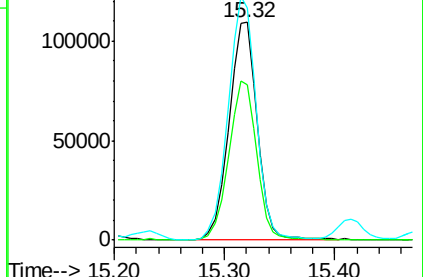
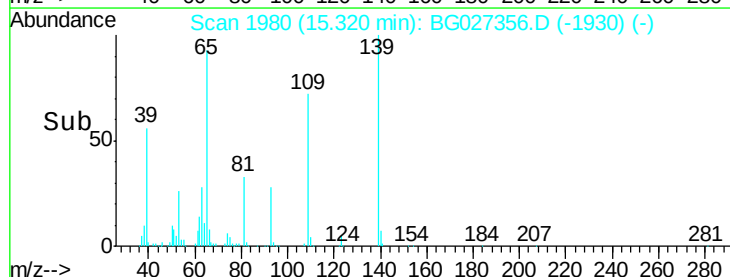
65 106.7 135.3 175.3#

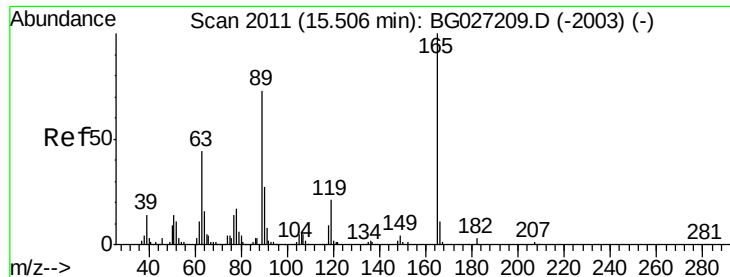


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGO

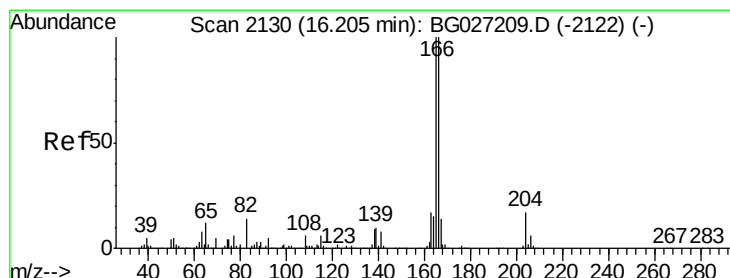
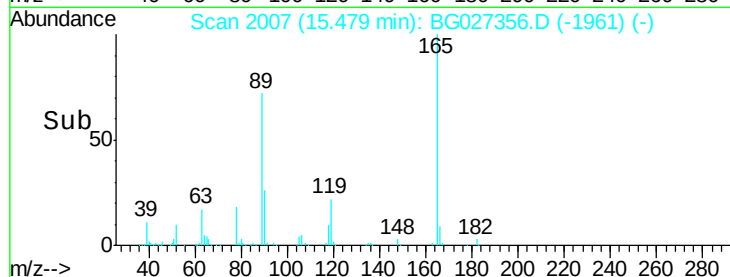
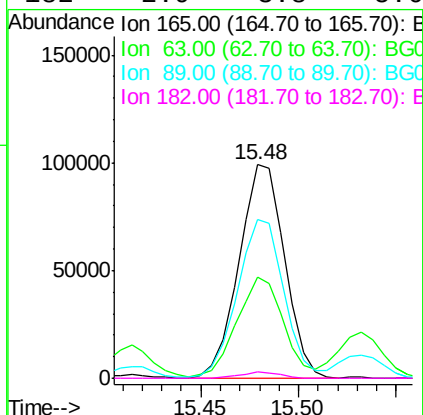
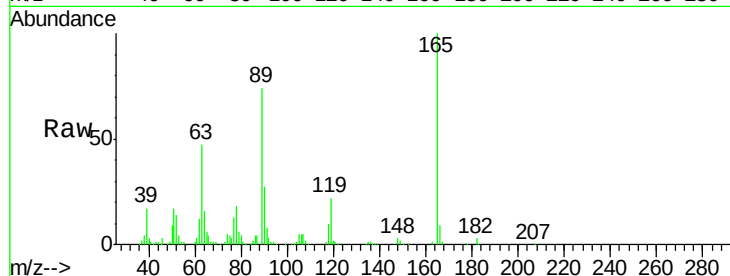




#56  
2,4-Dinitrotoluene  
Concen: 56.96 ng  
RT: 15.48 min Scan# 2007  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

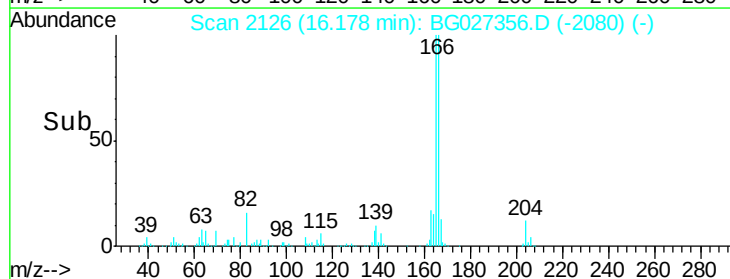
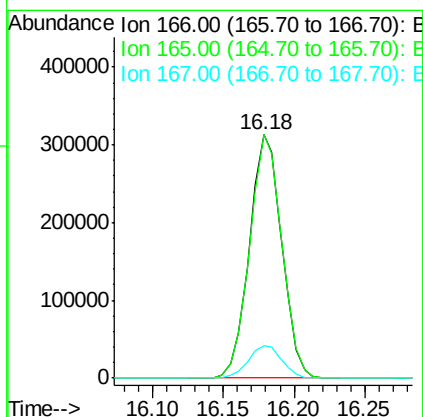
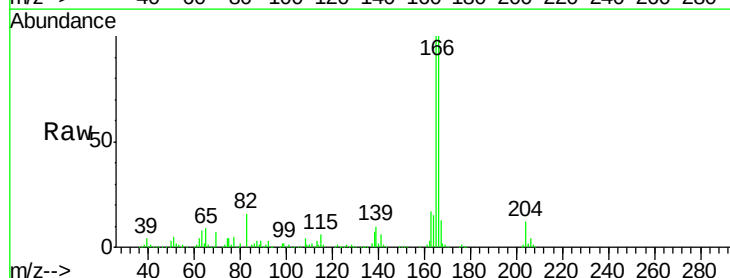
Instrument :  
BNA\_G  
ClientSampleId :

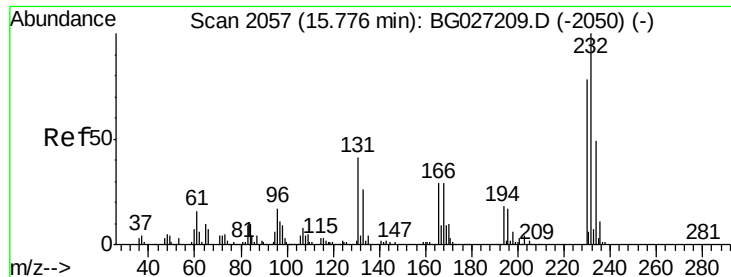
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 47.3  | 44.0  | 66.0  |
| 89      | 74.1  | 67.3  | 100.9 |
| 182     | 2.9   | 3.8   | 5.6   |



#57  
Fluorene  
Concen: 45.55 ng  
RT: 16.18 min Scan# 2126  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.2 | 78.6  | 117.8 |
| 167     | 13.5  | 11.6  | 17.4  |

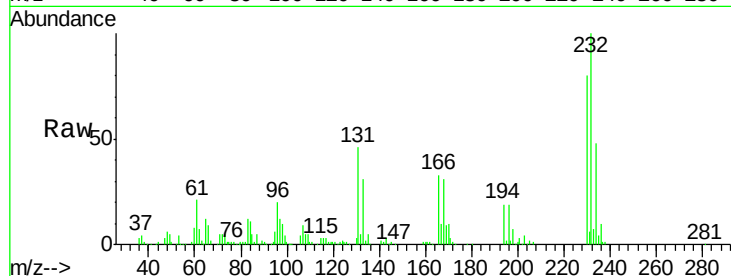




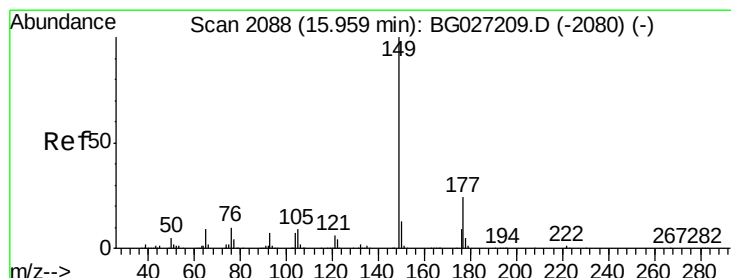
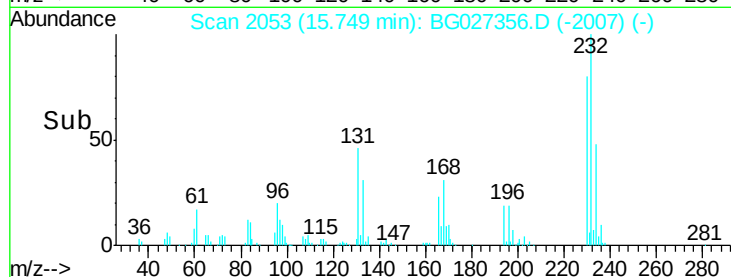
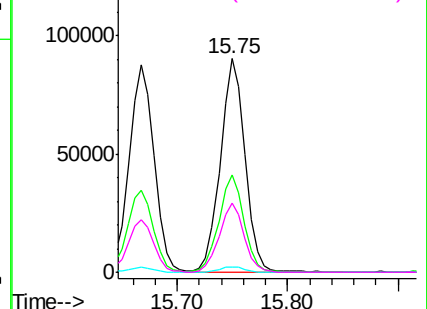
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 56.26 ng  
 RT: 15.75 min Scan# 2053  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 232   | Resp: | 140617 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 46.1  | 34.9  | 52.3   |
| 130      | 2.7   | 2.3   | 3.5    |
| 166      | 32.2  | 24.2  | 36.4   |

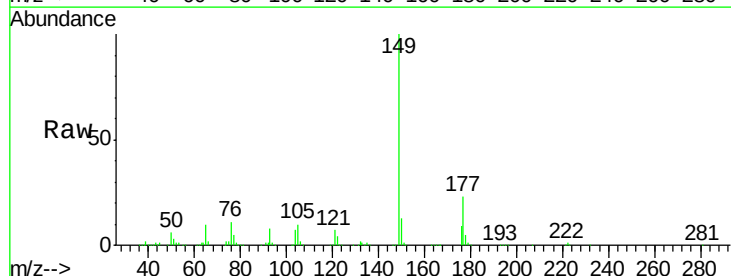


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

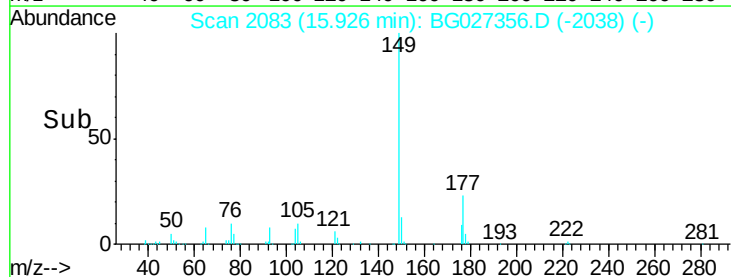
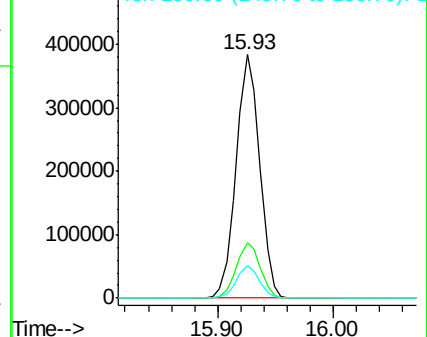


#59  
 Diethylphthalate  
 Concen: 51.54 ng  
 RT: 15.93 min Scan# 2083  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

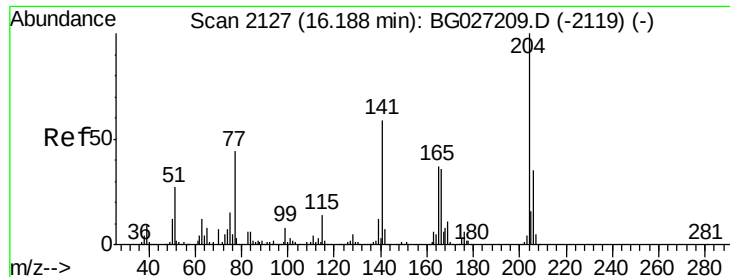
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 540082 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 177      | 23.0  | 20.1  | 30.1   |
| 150      | 13.2  | 10.2  | 15.2   |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E



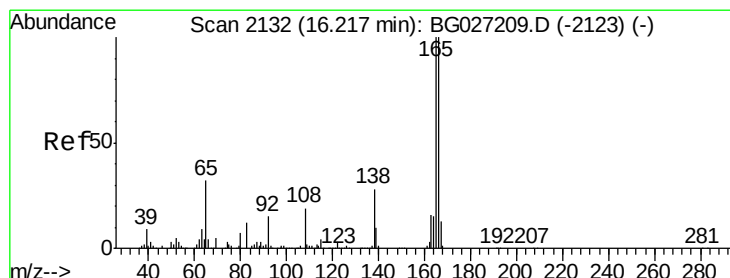
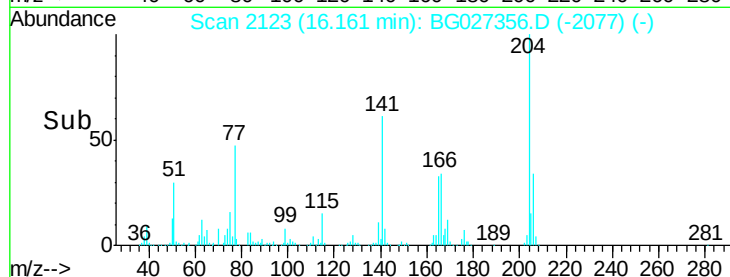
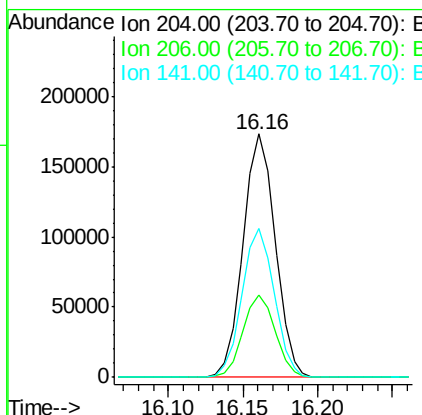
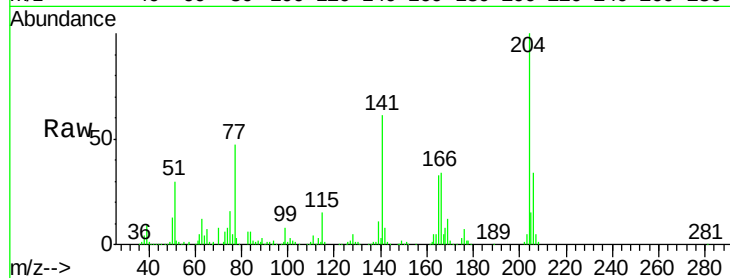




#60  
4-Chlorophenyl-phenylether  
Concen: 46.30 ng  
RT: 16.16 min Scan# 2123  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

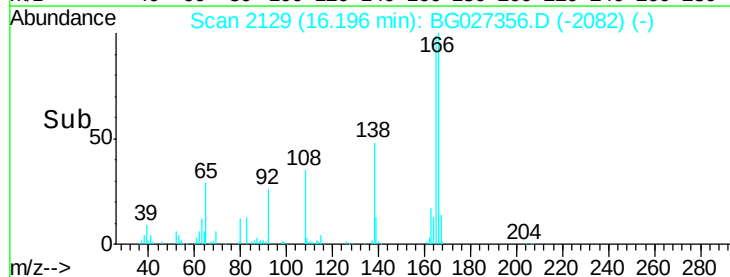
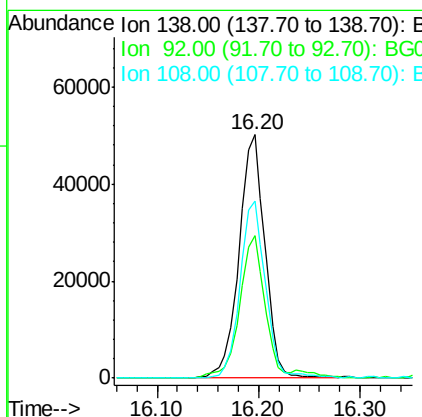
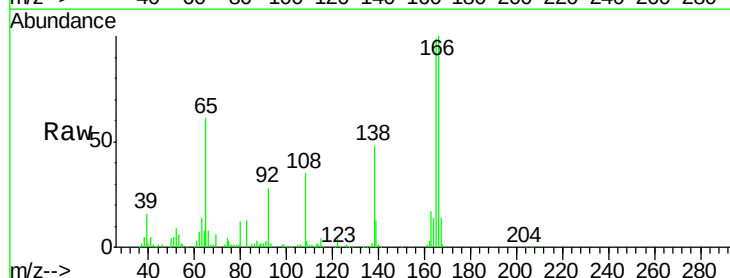
Instrument :  
BNA\_G  
ClientSampleId :

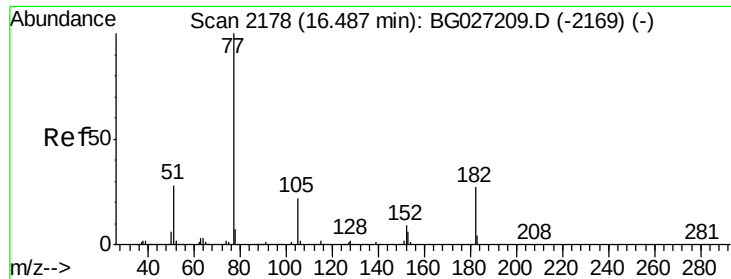
Tot Ion:204 Resp: 258243  
Ion Ratio Lower Upper  
204 100  
206 34.0 30.1 45.1  
141 61.3 50.6 76.0



#61  
4-Nitroaniline  
Concen: 40.31 ng  
RT: 16.20 min Scan# 2129  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion:138 Resp: 88870  
Ion Ratio Lower Upper  
138 100  
92 58.6 44.2 84.2  
108 72.6 104.8 144.8#





#62

Azobenzene

Concen: 58.50 ng

RT: 16.45 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 568167

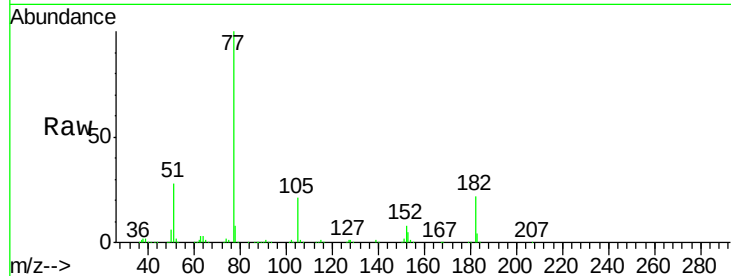
Ion Ratio Lower Upper

77 100

182 22.1 4.7 44.7

105 20.7 0.0 36.3

51 27.6 16.4 56.4

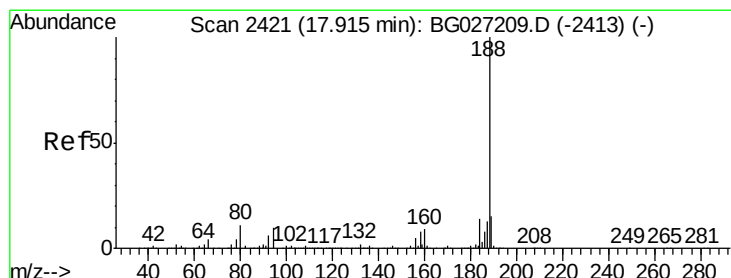
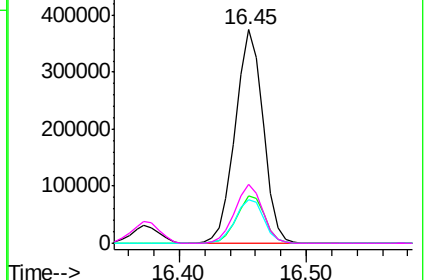
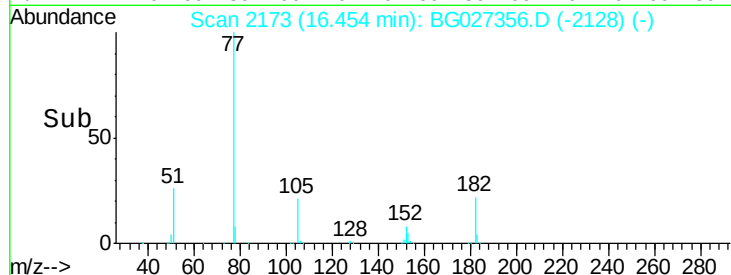


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.89 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

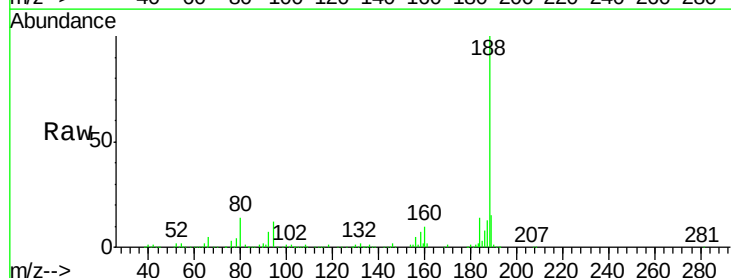
Tgt Ion: 188 Resp: 315237

Ion Ratio Lower Upper

188 100

94 11.7 5.8 8.8#

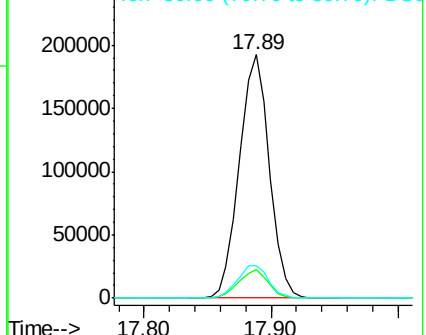
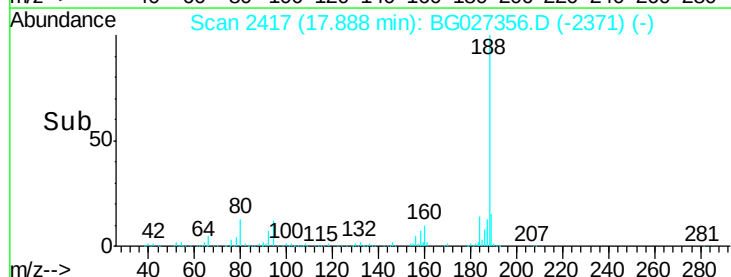
80 13.5 7.5 11.3#

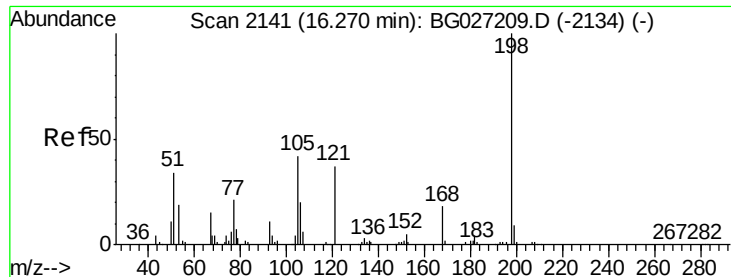


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 60.80 ng

RT: 16.24 min Scan# 2137

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

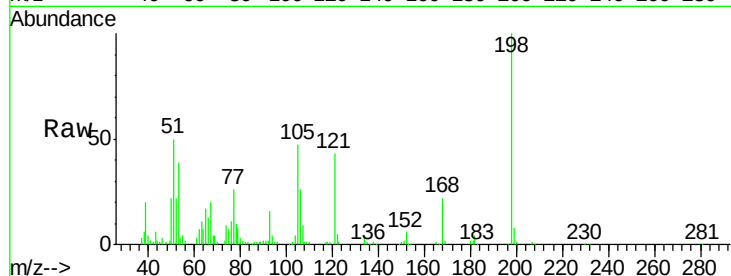
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:198 Resp: 93233

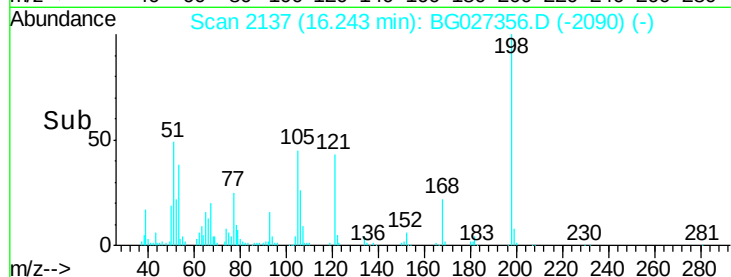
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 49.9  | 22.6  | 62.6  |
| 105 | 46.7  | 14.4  | 54.4  |



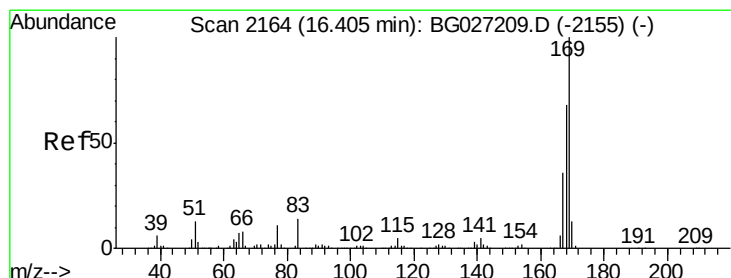
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time-->



#65

n-Nitrosodiphenylamine

Concen: 38.15 ng

RT: 16.37 min Scan# 2159

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

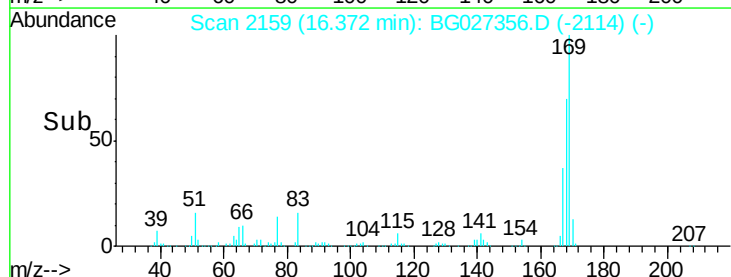
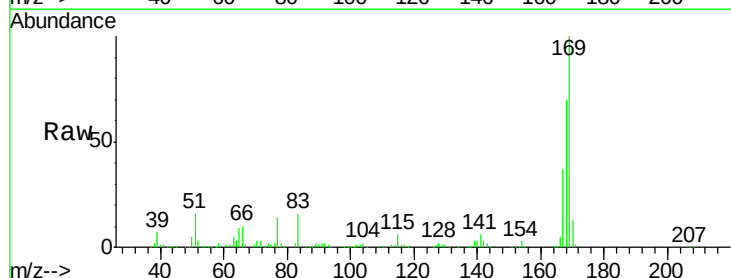
Tgt Ion:169 Resp: 377016

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 69.7  | 55.7  | 83.5  |
| 167 | 36.5  | 29.8  | 44.6  |

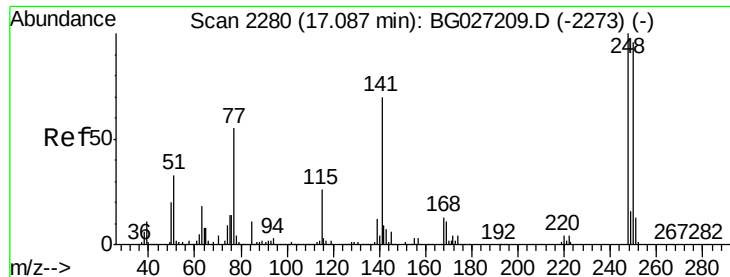
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



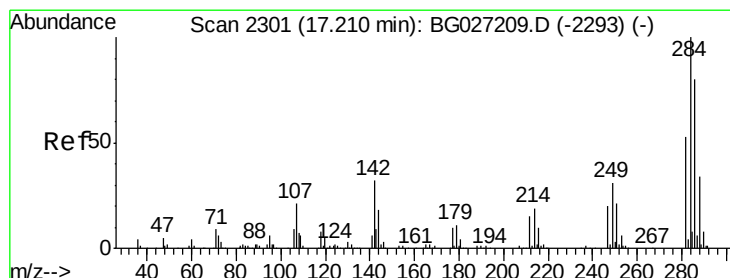
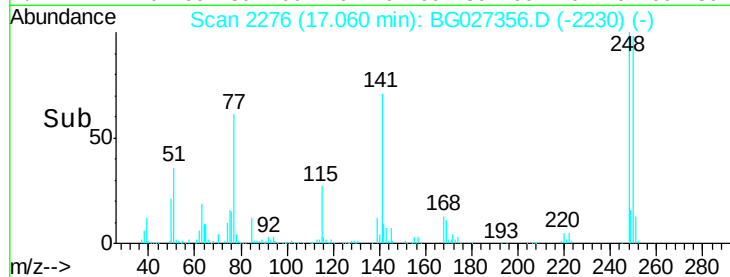
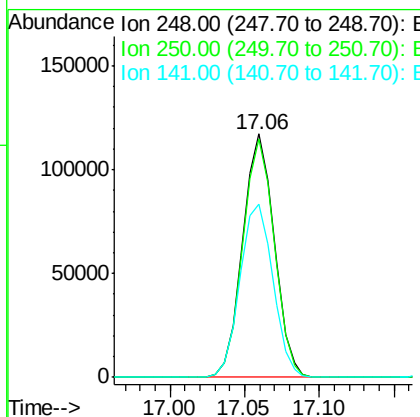
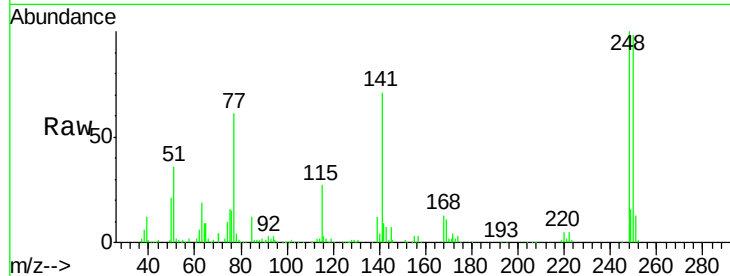
Time-->



#66  
4-Bromophenyl-phenylether  
Concen: 46.02 ng  
RT: 17.06 min Scan# 2276  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

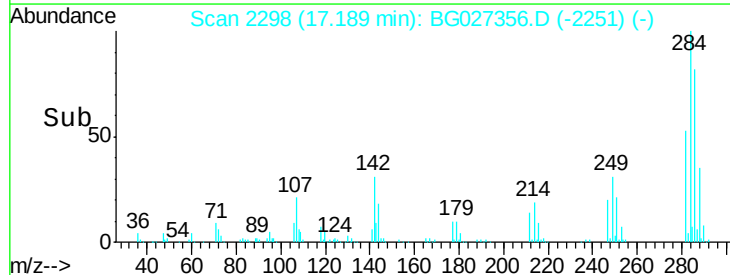
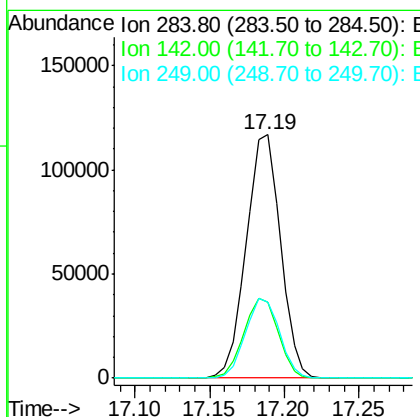
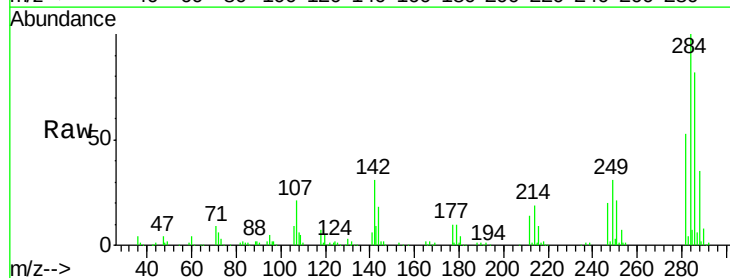
Instrument :  
BNA\_G  
ClientSampleId :

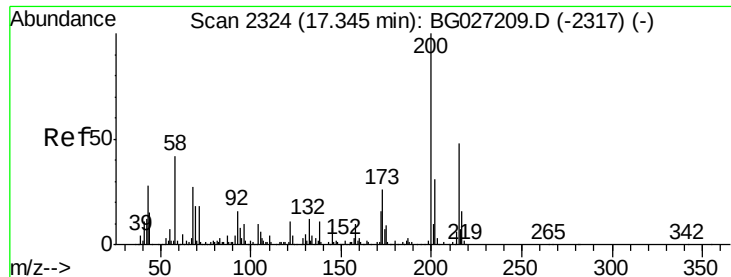
Tot Ion:248 Resp: 171696  
Ion Ratio Lower Upper  
248 100  
250 97.8 75.0 112.6  
141 71.1 55.2 82.8



#67  
Hexachlorobenzene  
Concen: 46.17 ng  
RT: 17.19 min Scan# 2298  
Delta R.T. -0.02 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion:284 Resp: 185285  
Ion Ratio Lower Upper  
284 100  
142 31.1 29.9 44.9  
249 31.3 29.2 43.8





#68

Atrazine

Concen: 12.47 ng

RT: 17.31 min Scan# 2318

Delta R.T. -0.04 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

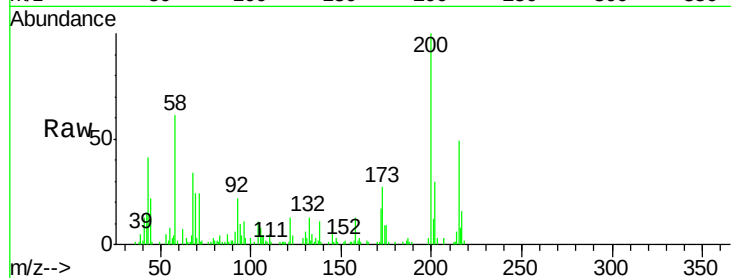
Tot Ion:200 Resp: 41220

Ion Ratio Lower Upper

200 100

173 27.5 3.0 43.0

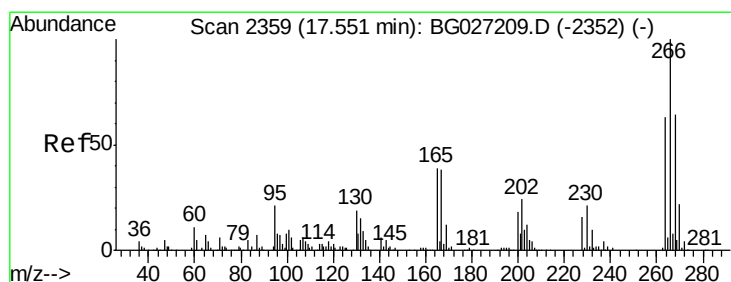
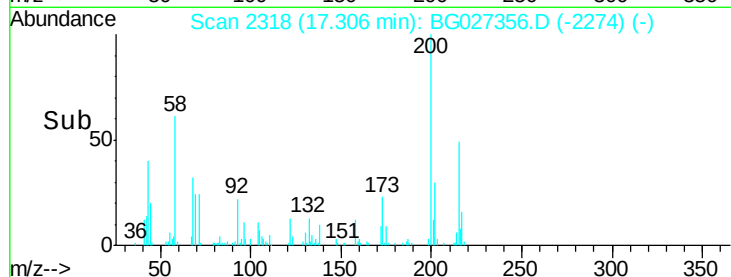
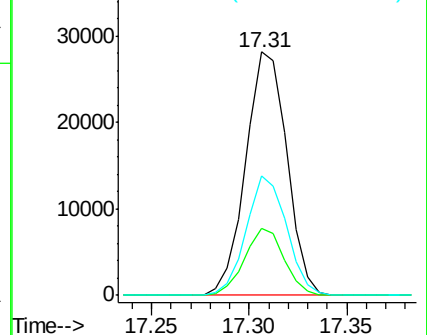
215 49.0 28.4 68.4



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: 102.88 ng

RT: 17.52 min Scan# 2355

Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

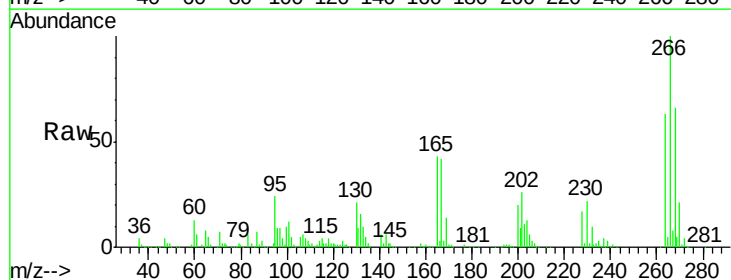
Tgt Ion:266 Resp: 241999

Ion Ratio Lower Upper

266 100

268 65.7 48.6 72.8

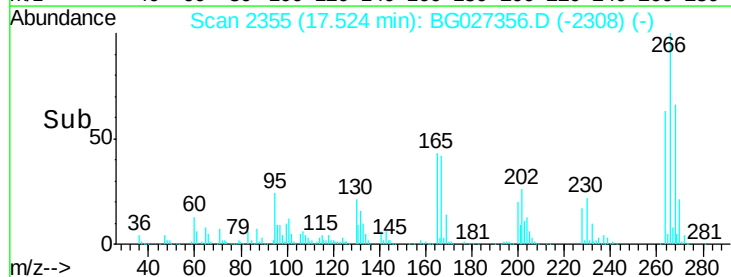
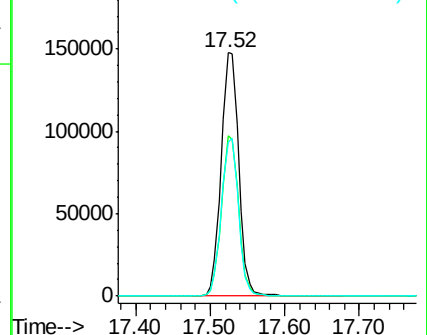
264 63.2 50.1 75.1

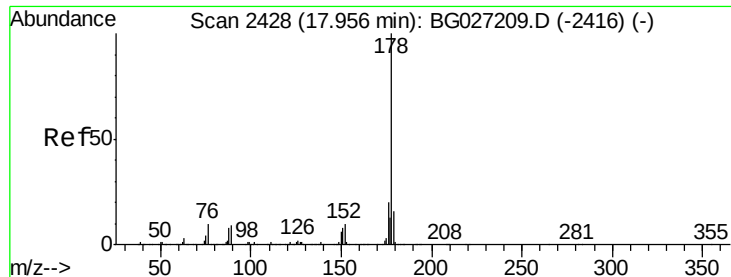


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

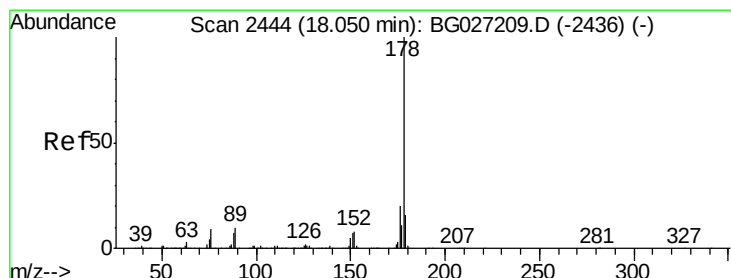
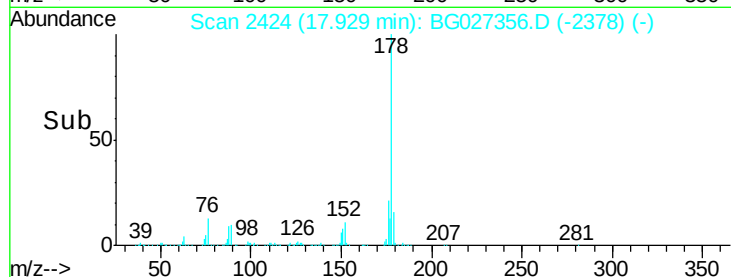
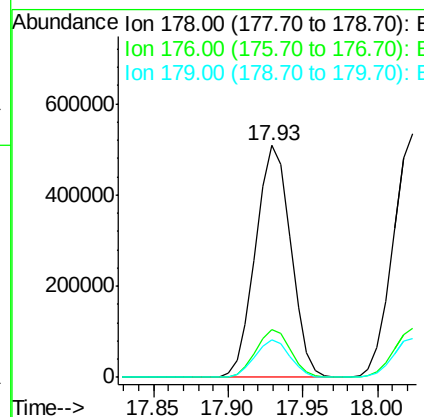
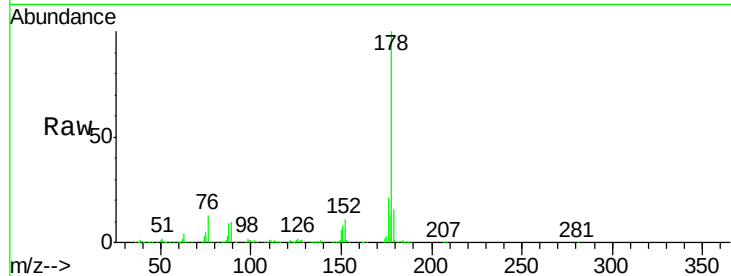




#70  
Phenanthrene  
Concen: 46.84 ng  
RT: 17.93 min Scan# 2424  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

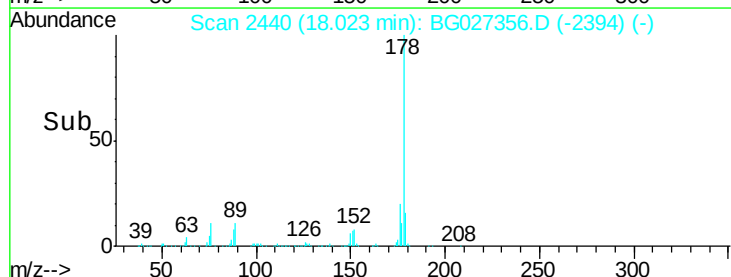
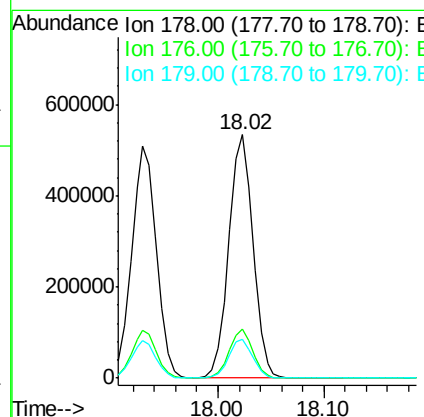
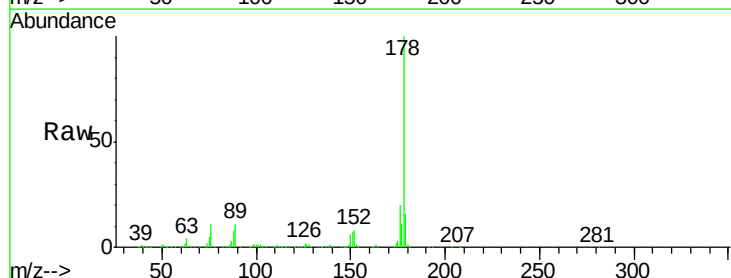
Instrument :  
BNA\_G  
ClientSampleId :

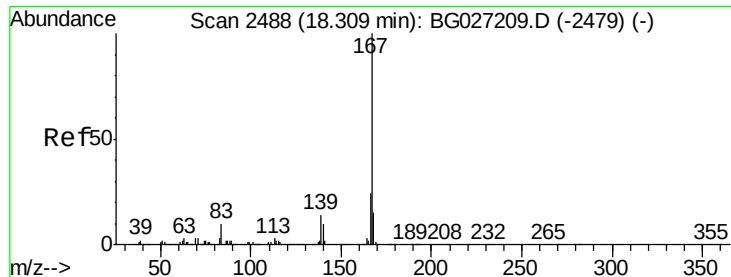
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.6  | 17.7  | 26.5  |
| 179     | 16.2  | 15.0  | 22.6  |



#71  
Anthracene  
Concen: 47.57 ng  
RT: 18.02 min Scan# 2440  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 16.4  | 24.6  |
| 179     | 15.9  | 13.8  | 20.8  |

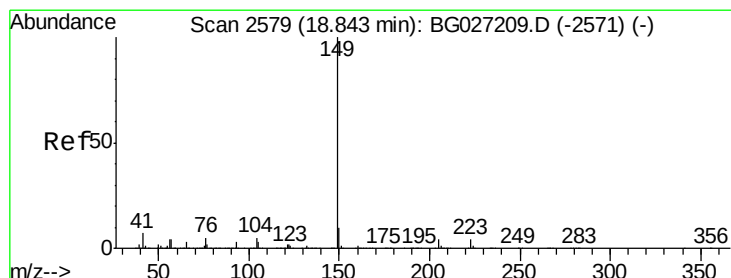
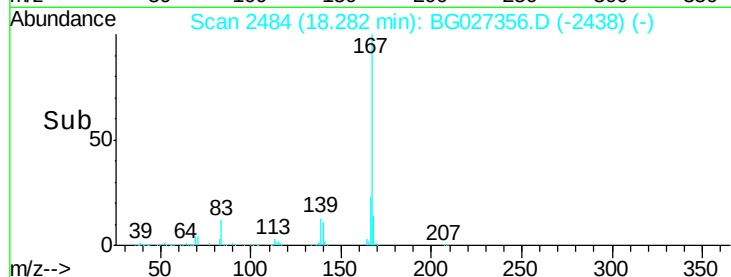
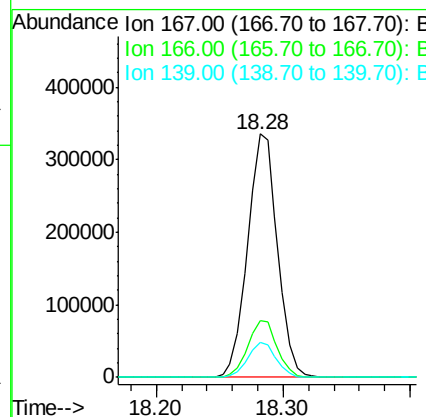
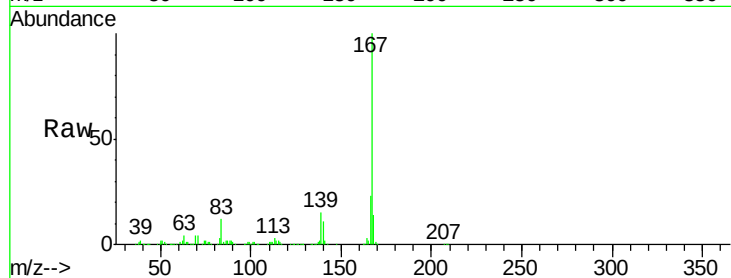




#72  
 Carbazole  
 Concen: 32.74 ng  
 RT: 18.28 min Scan# 2484  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

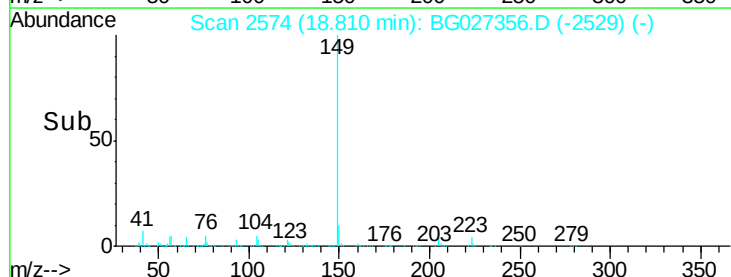
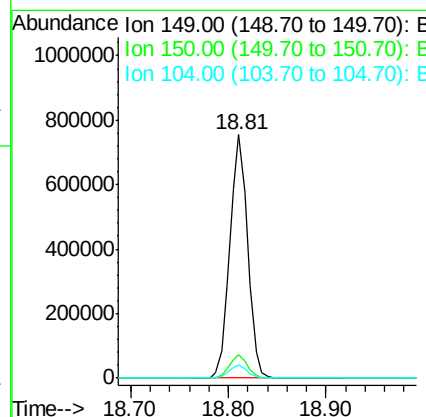
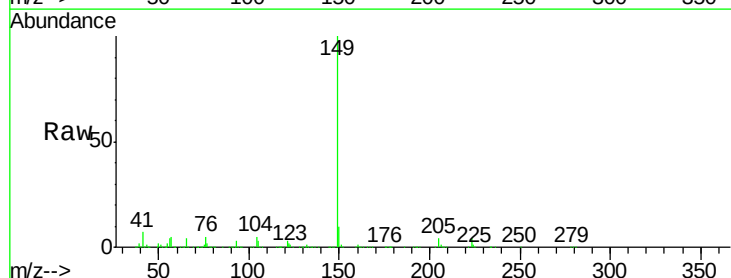
Instrument :  
 BNA\_G  
 ClientSampleId :

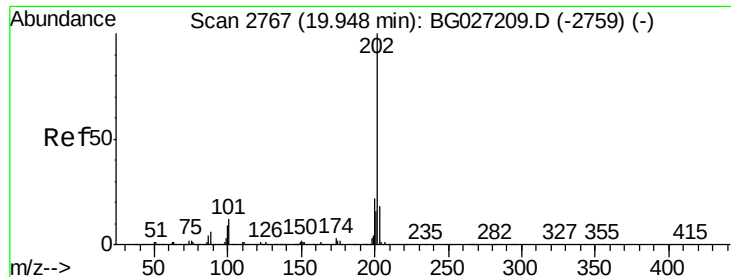
Tot Ion:167 Resp: 548704  
 Ion Ratio Lower Upper  
 167 100  
 166 23.2 20.2 30.2  
 139 14.5 12.8 19.2



#73  
 Di-n-butylphthalate  
 Concen: 58.70 ng  
 RT: 18.81 min Scan# 2574  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

Tgt Ion:149 Resp: 953915  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 9.1 13.7  
 104 5.2 6.7 10.1#

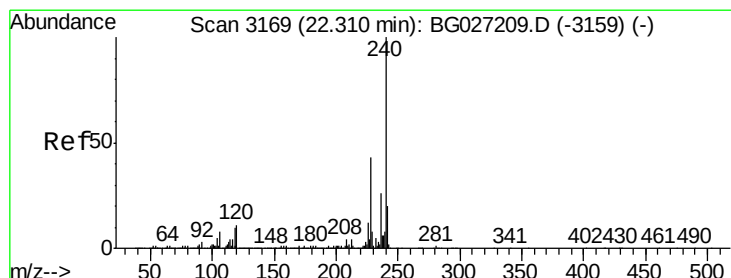
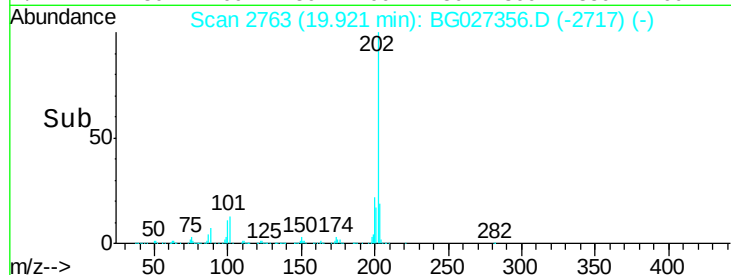
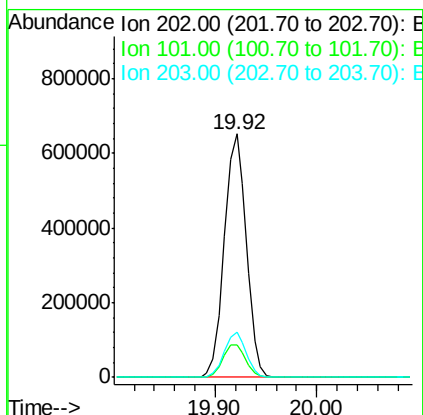
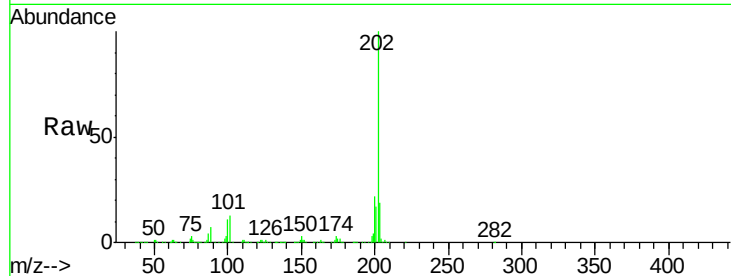




#74  
Fluoranthene  
Concen: 51.62 ng  
RT: 19.92 min Scan# 2763  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

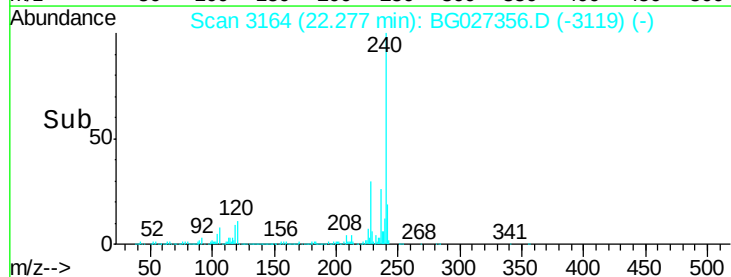
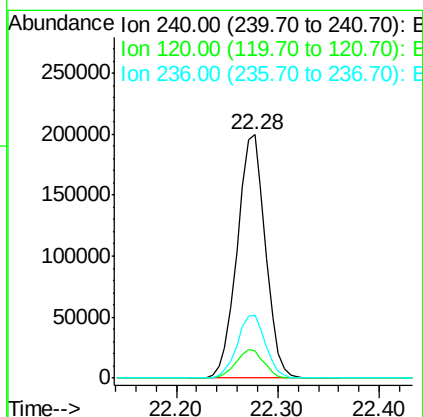
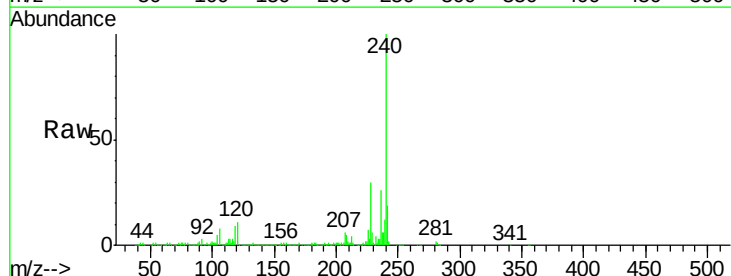
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.1  | 0.0   | 30.1  |
| 203     | 18.5  | 1.3   | 41.3  |

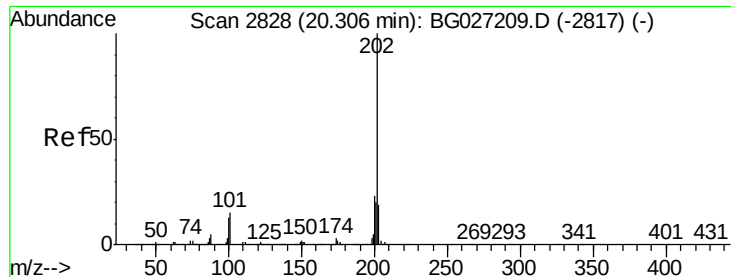


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 22.28 min Scan# 3164  
Delta R.T. -0.03 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.0  | 5.7   | 8.5#  |
| 236     | 25.9  | 22.2  | 33.4  |







#77

Pvrene

Concen: 43.92 ng

RT: 20.29 min Scan# 2825

Delta R.T. -0.02 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

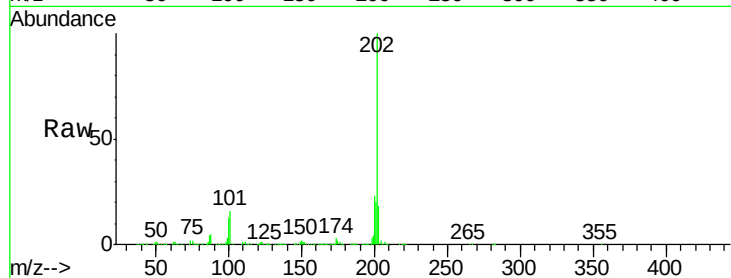
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:202 Resp: 1019580

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 23.2  | 19.6  | 29.4  |
| 203 | 18.1  | 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

20.29

800000

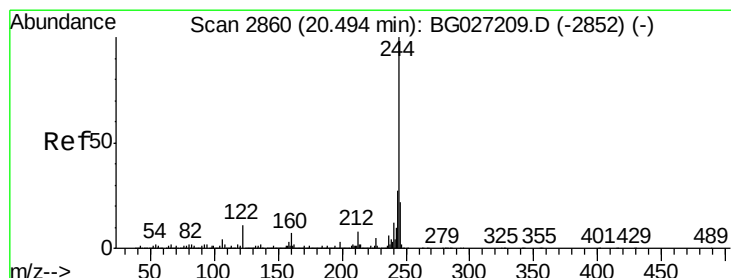
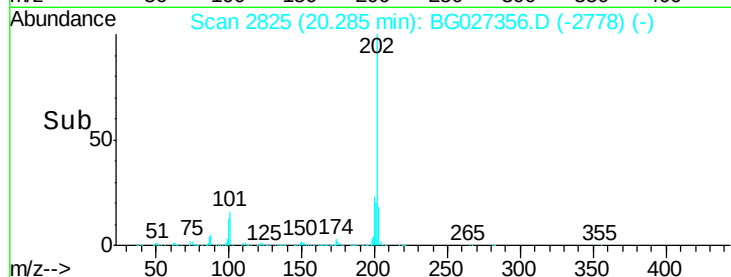
600000

400000

200000

0

Time-->



#78

Terphenyl-d14

Concen: 100.18 ng

RT: 20.46 min Scan# 2855

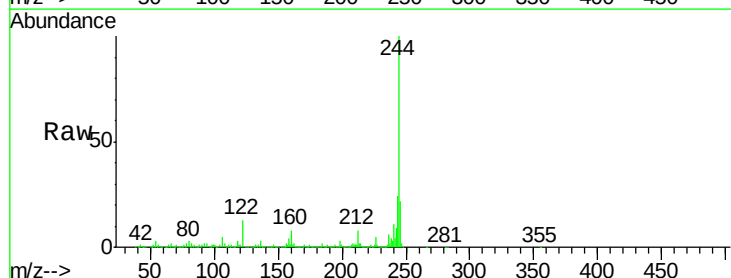
Delta R.T. -0.03 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:244 Resp: 1508760

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 10.0  | 15.0# |
| 122 | 12.6  | 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

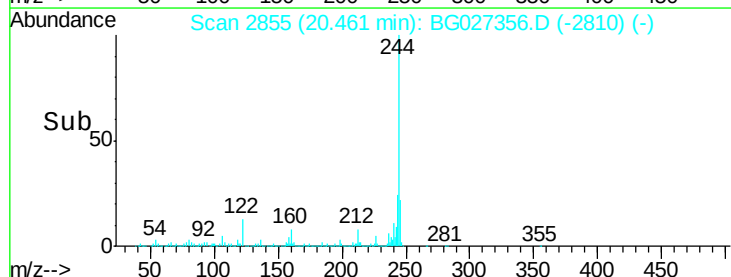
20.46

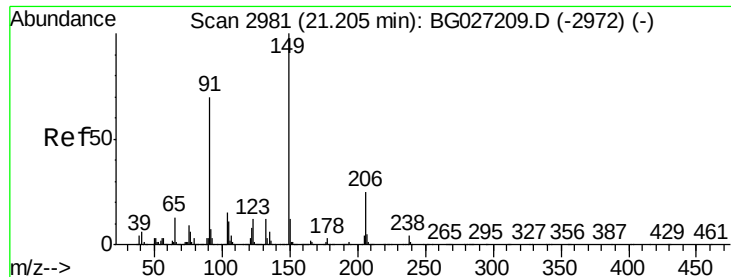
1000000

500000

0

Time-->

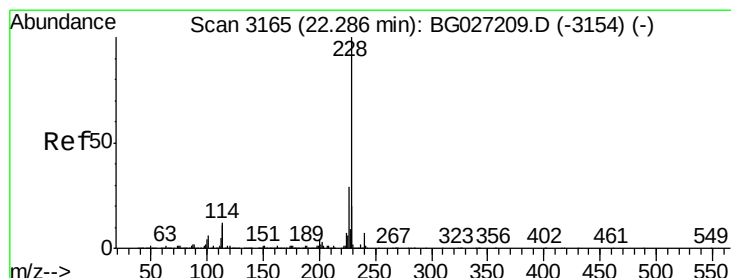
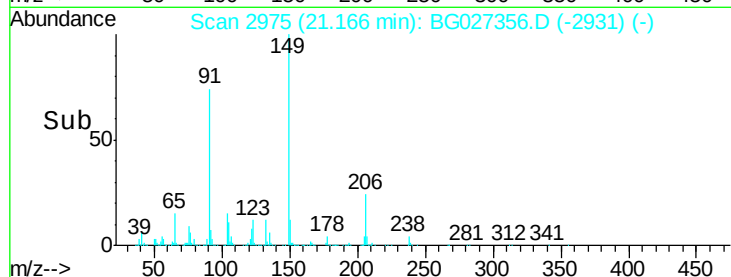
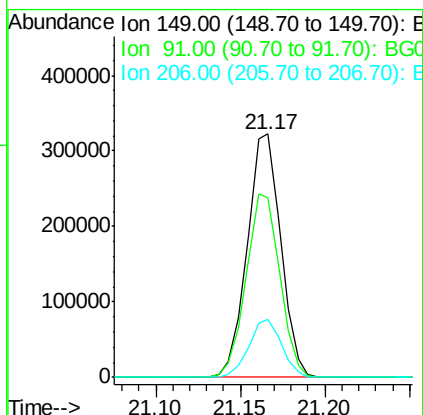
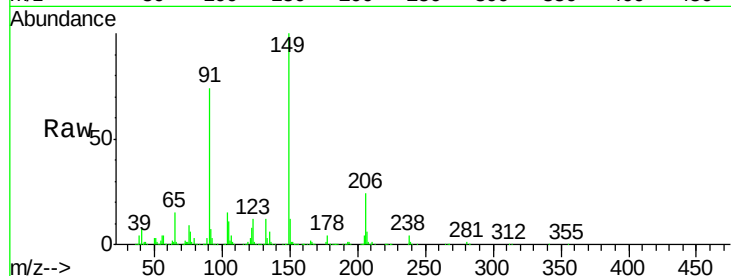




#79  
Butylbenzylphthalate  
Concen: 54.48 ng  
RT: 21.17 min Scan# 2975  
Delta R.T. -0.04 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

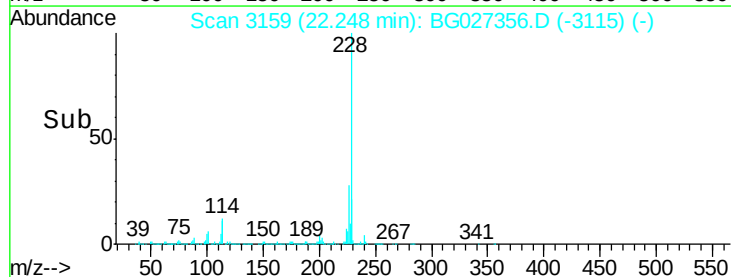
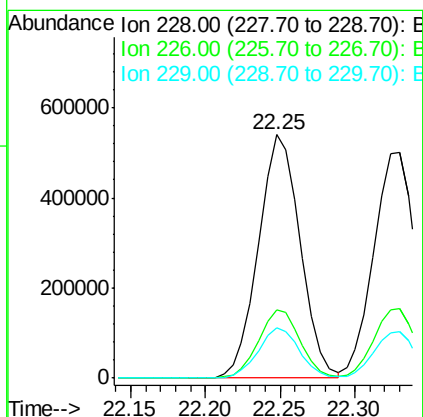
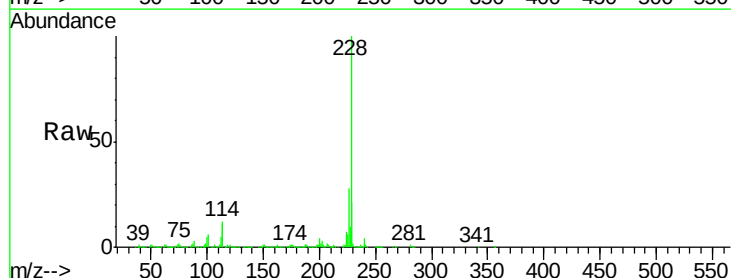
Instrument :  
BNA\_G  
ClientSampleId :

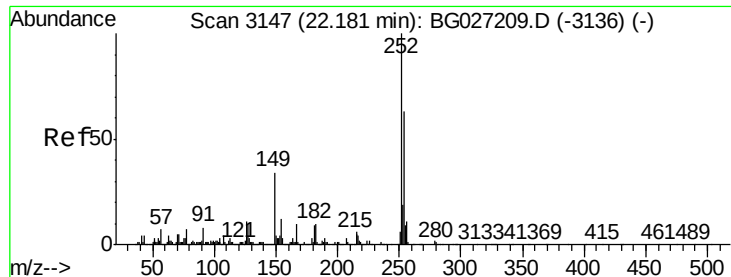
Tot Ion:149 Resp: 446847  
Ion Ratio Lower Upper  
149 100  
91 73.8 63.5 95.3  
206 23.6 21.0 31.6



#80  
Benzo(a)anthracene  
Concen: 47.81 ng  
RT: 22.25 min Scan# 3159  
Delta R.T. -0.04 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion:228 Resp: 1047549  
Ion Ratio Lower Upper  
228 100  
226 28.3 24.9 37.3  
229 20.6 18.2 27.2

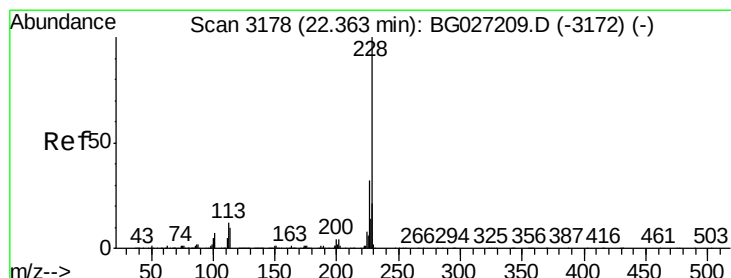
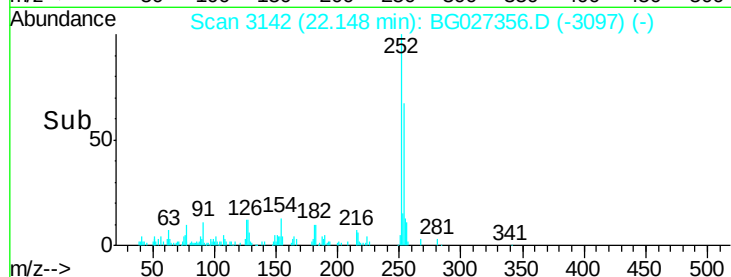
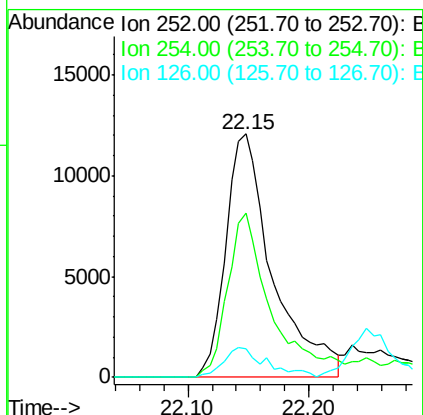
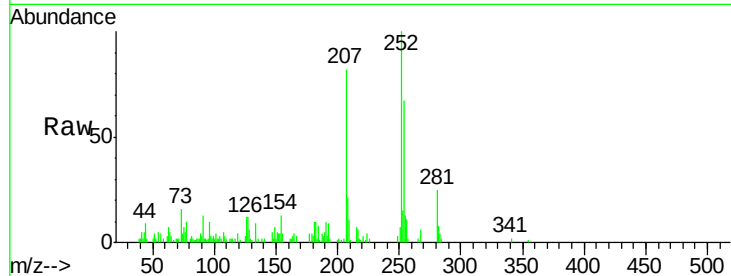




#81  
 3,3'-Dichlorobenzidine  
 Concen: 3.82 ng  
 RT: 22.15 min Scan# 3142  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

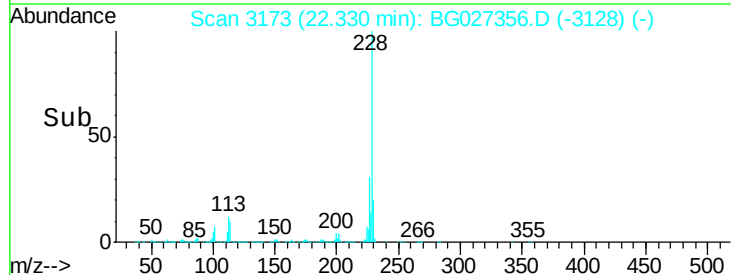
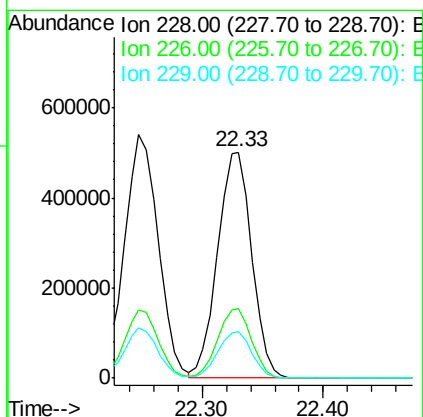
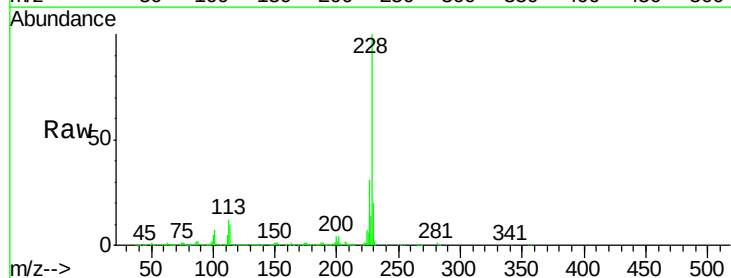
Instrument :  
 BNA\_G  
 ClientSampleId :

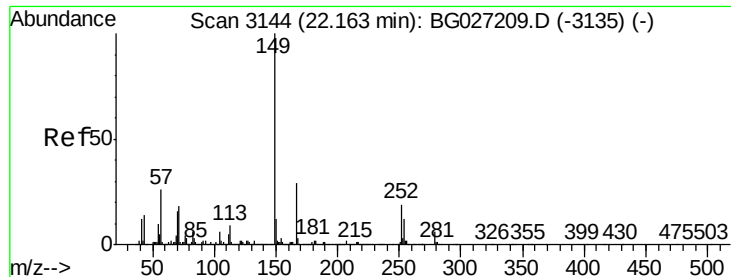
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 67.4  | 53.1  | 79.7  |
| 126     | 11.9  | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 46.48 ng  
 RT: 22.33 min Scan# 3173  
 Delta R.T. -0.03 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 27.0  | 40.4  |
| 229     | 20.4  | 17.8  | 26.6  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.44 ng

RT: 22.11 min Scan# 3135

Delta R.T. -0.06 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

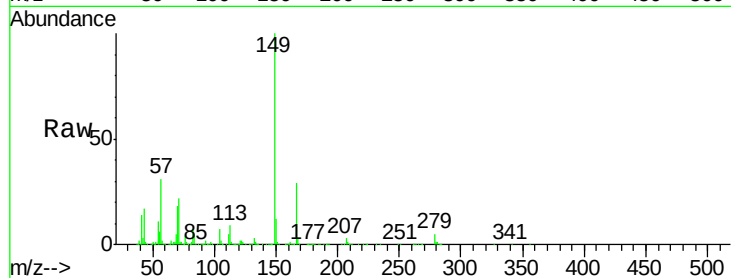
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:149 Resp: 637714

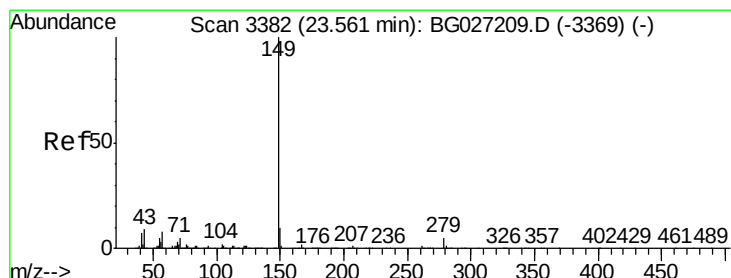
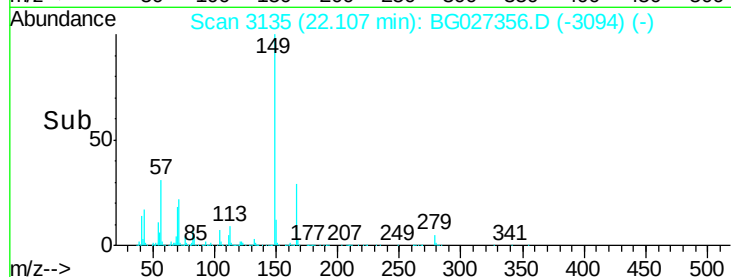
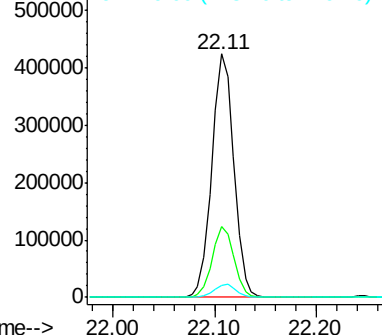
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.9  | 23.7  | 35.5  |
| 279 | 5.1   | 4.6   | 6.8   |



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: 52.75 ng

RT: 23.49 min Scan# 3370

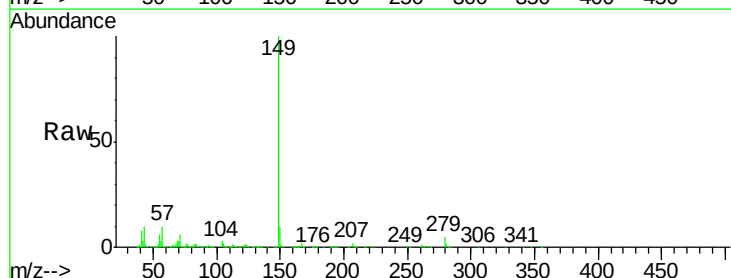
Delta R.T. -0.07 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Tgt Ion:149 Resp: 1083055

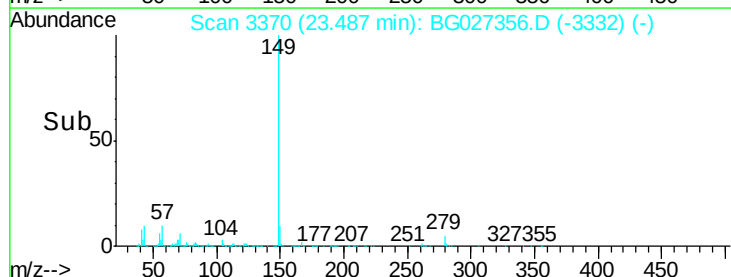
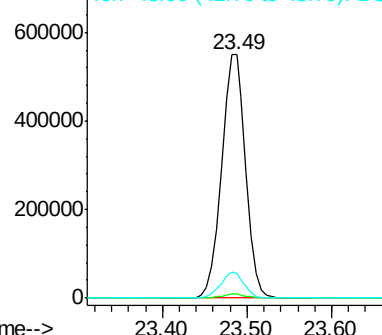
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.8   | 1.4   | 2.2   |
| 43  | 10.4  | 11.8  | 17.6# |

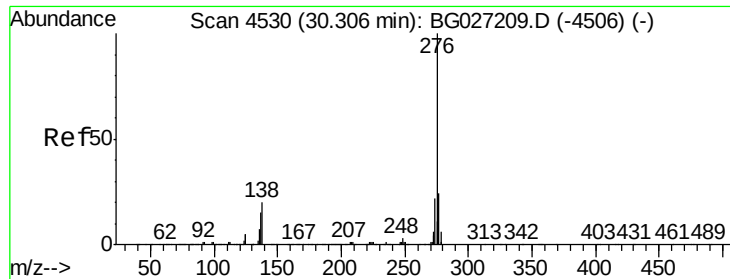


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG0

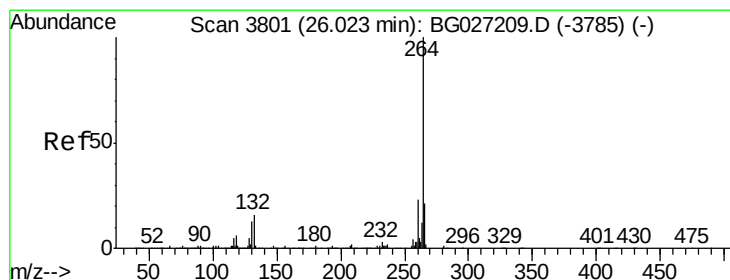
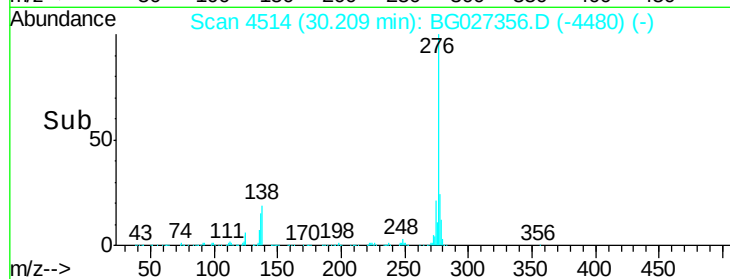
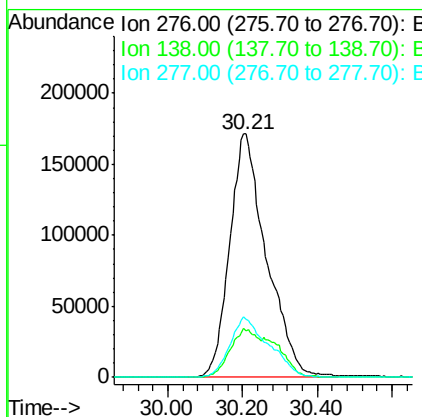
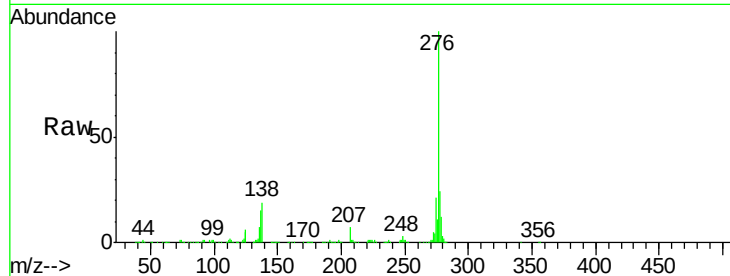




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 46.05 ng  
 RT: 30.21 min Scan# 4514  
 Delta R.T. -0.10 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

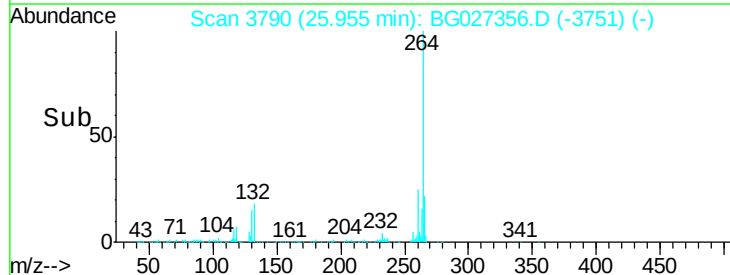
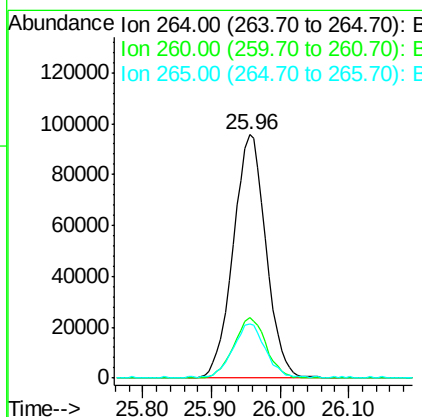
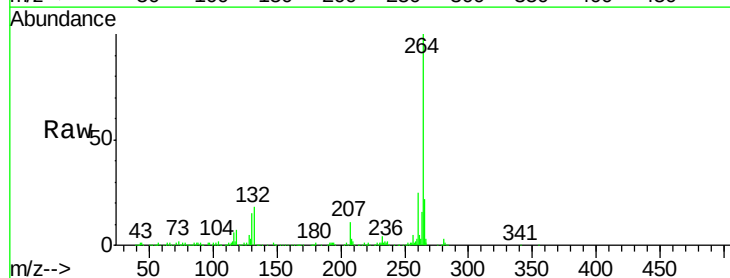
Instrument :  
 BNA\_G  
 ClientSampleId :

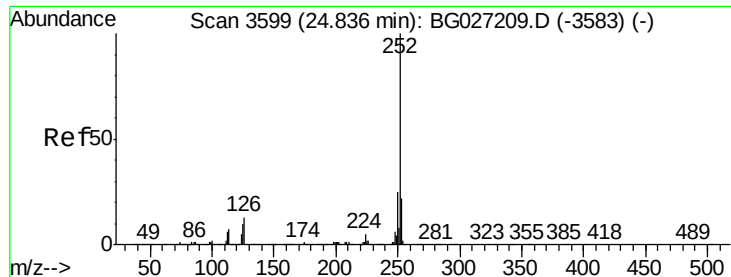
Tot Ion:276 Resp: 1173085  
 Ion Ratio Lower Upper  
 276 100  
 138 15.2 4.7 7.1#  
 277 26.2 20.6 31.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.96 min Scan# 3790  
 Delta R.T. -0.07 min  
 Lab File: BG027356.D  
 Acq: 9 Jun 2017 20:46

Tgt Ion:264 Resp: 317100  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 21.8 32.8  
 265 22.1 18.2 27.4

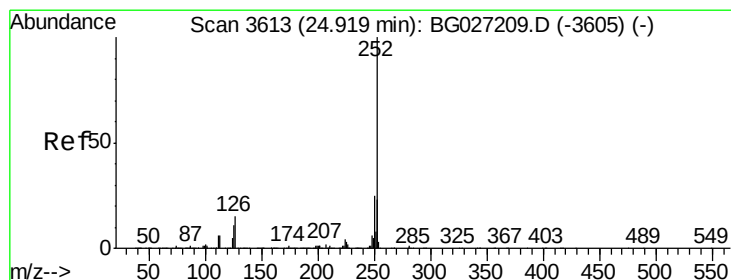
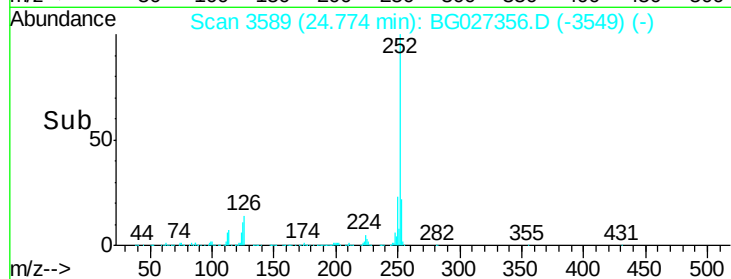
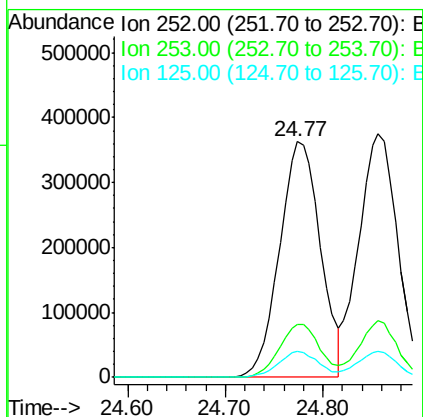
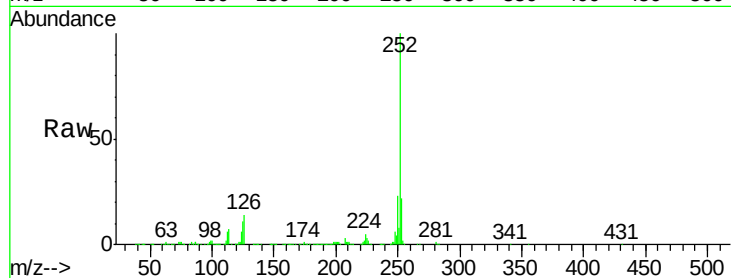




#87  
Benzo(b)fluoranthene  
Concen: 53.49 ng  
RT: 24.77 min Scan# 3589  
Delta R.T. -0.06 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

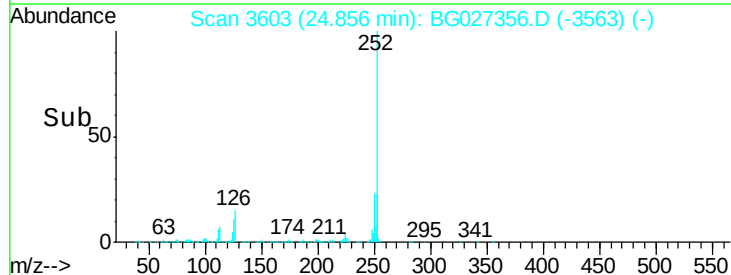
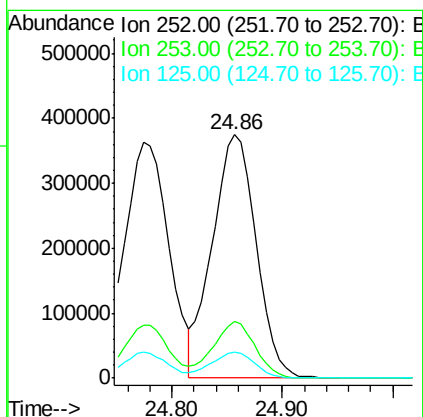
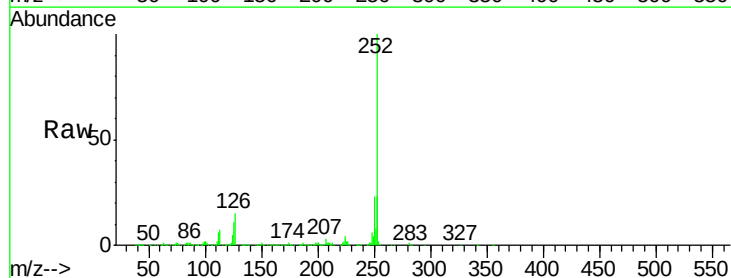
Instrument :  
BNA\_G  
ClientSampleId :

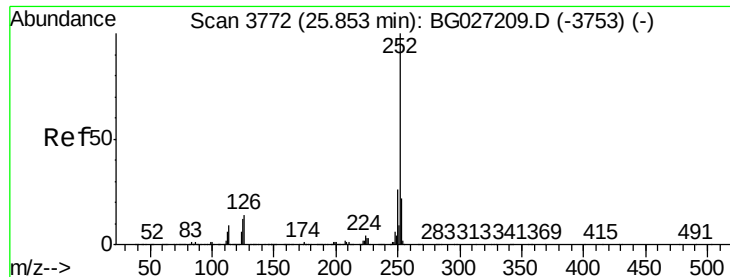
Tot Ion:252 Resp: 1051870  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.7 28.1  
125 11.0 5.3 7.9#



#88  
Benzo(k)fluoranthene  
Concen: 53.34 ng  
RT: 24.86 min Scan# 3603  
Delta R.T. -0.06 min  
Lab File: BG027356.D  
Acq: 9 Jun 2017 20:46

Tgt Ion:252 Resp: 1029181  
Ion Ratio Lower Upper  
252 100  
253 23.2 20.2 30.2  
125 10.7 5.1 7.7#





#89

Benzo(a)pyrene

Concen: 51.86 ng

RT: 25.78 min Scan# 3761

Delta R.T. -0.07 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

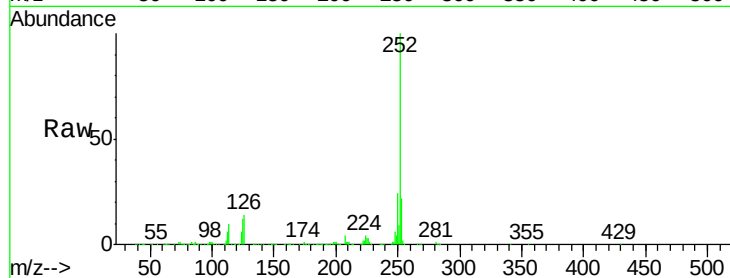
Tot Ion:252 Resp: 960166

Ion Ratio Lower Upper

252 100

253 21.6 19.2 28.8

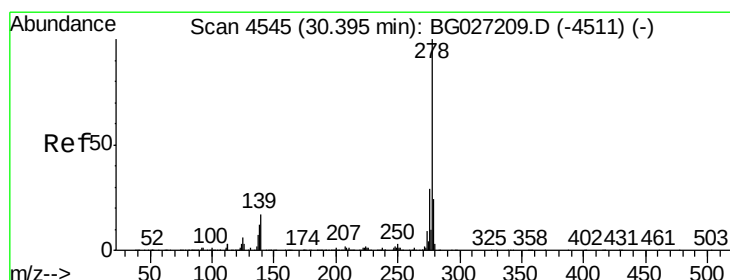
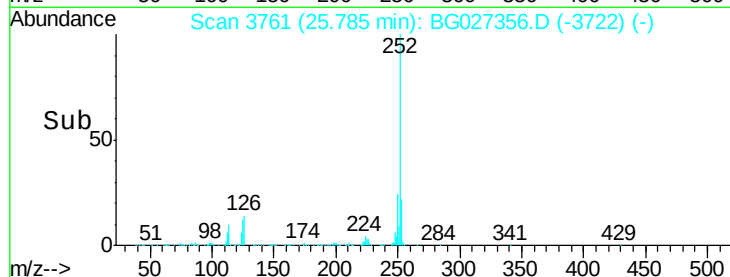
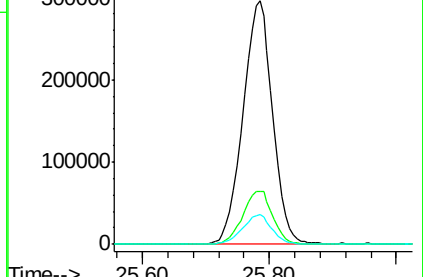
125 12.5 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 52.93 ng

RT: 30.29 min Scan# 4528

Delta R.T. -0.10 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

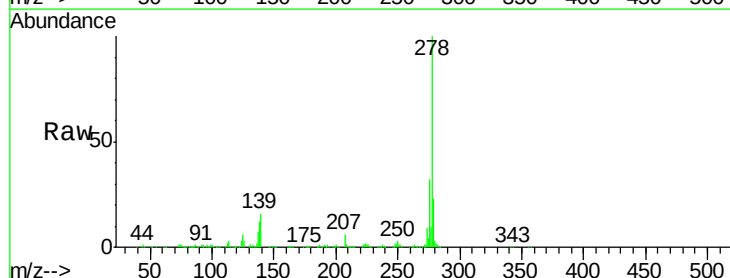
Tgt Ion:278 Resp: 1025702

Ion Ratio Lower Upper

278 100

139 16.2 7.7 11.5#

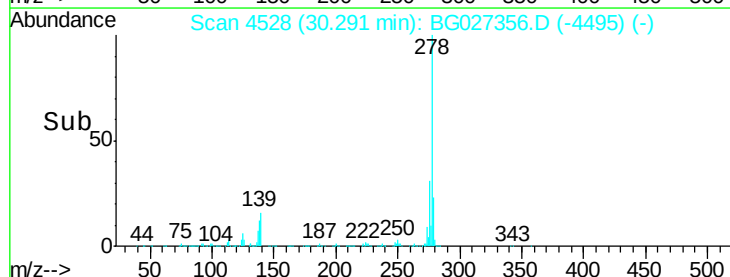
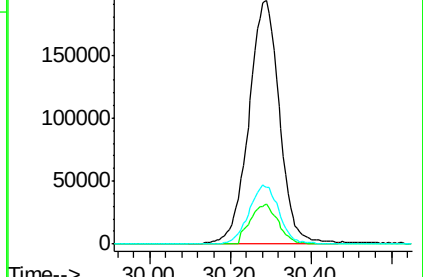
279 23.4 19.1 28.7

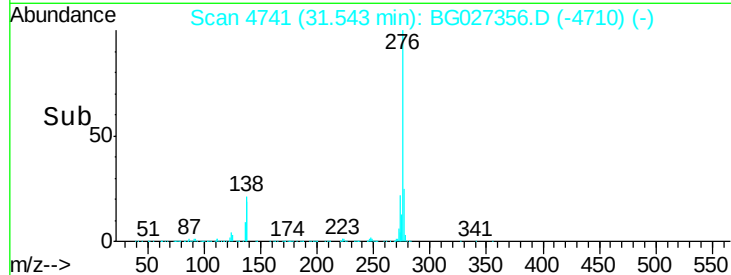
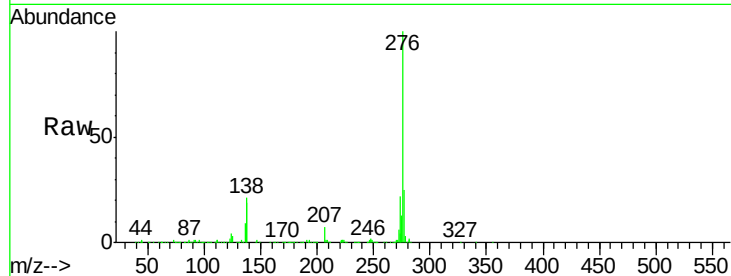
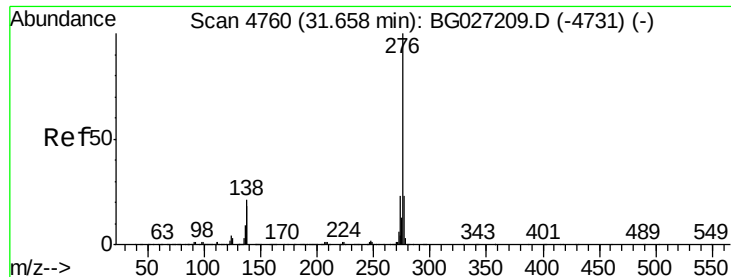


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 49.33 ng

RT: 31.54 min Scan# 4741

Delta R.T. -0.12 min

Lab File: BG027356.D

Acq: 9 Jun 2017 20:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 925903

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 20.7 8.1 12.1#

