

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070117\  
 Data File : BG027809.D  
 Acq On : 2 Jul 2017 7:58  
 Operator : SJ/JU  
 Sample : I3979-05MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 03 07:01:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 28 19:26:37 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.48  | 152  | 29189    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.30 | 136  | 147327   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.06 | 164  | 98900    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.81 | 188  | 243400   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.18 | 240  | 256143   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.78 | 264  | 232211   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.06  | 112 | 258020  | 136.12 | ng | 0.00 |
| 7) Phenol-d6             | 7.62  | 99  | 352846  | 121.85 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.64  | 82  | 243175  | 92.00  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 236060  | 174.02 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.69 | 172 | 660018  | 95.31  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.39 | 244 | 1114397 | 102.00 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 4.06  | 88  | 20446  | 28.97  | ng | # 90   |
| 4) n-Nitrosodimethylamine      | 4.35  | 42  | 40747  | 38.24  | ng | 88     |
| 6) Aniline                     | 7.88  | 93  | 81063  | 24.15  | ng | # 56   |
| 8) 2-Chlorophenol              | 8.05  | 128 | 99922  | 47.17  | ng | 90     |
| 9) Benzaldehyde                | 7.62  | 77  | 27593  | 16.01  | ng | 85     |
| 10) Phenol                     | 7.65  | 94  | 116687 | 40.73  | ng | 84     |
| 11) bis(2-Chloroethyl)ether    | 7.88  | 93  | 81063  | 37.25  | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 8.36  | 146 | 88422  | 39.25  | ng | # 92   |
| 13) 1,4-Dichlorobenzene        | 8.51  | 146 | 89313  | 38.26  | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.83  | 146 | 89693  | 39.63  | ng | 93     |
| 15) Benzyl Alcohol             | 8.71  | 79  | 11378  | 5.68   | ng | 88     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99  | 45  | 176495 | 38.02  | ng | 98     |
| 17) 2-Methylphenol             | 8.90  | 107 | 90348  | 44.57  | ng | # 87   |
| 18) Hexachloroethane           | 9.57  | 117 | 30254  | 36.84  | ng | # 83   |
| 19) n-Nitroso-di-n-propylamine | 9.27  | 70  | 81221  | 38.55  | ng | # 97   |
| 20) 3+4-Methylphenols          | 9.23  | 107 | 123211 | 42.15  | ng | 89     |
| 22) Acetophenone               | 9.29  | 105 | 150264 | 42.27  | ng | # 91   |
| 24) Nitrobenzene               | 9.69  | 77  | 112241 | 40.62  | ng | # 83   |
| 25) Isophorone                 | 10.20 | 82  | 235216 | 40.83  | ng | # 92   |
| 26) 2-Nitrophenol              | 10.40 | 139 | 56165  | 45.00  | ng | # 82   |
| 27) 2,4-Dimethylphenol         | 10.44 | 122 | 105728 | 45.23  | ng | 91     |
| 28) bis(2-Chloroethoxy)methane | 10.67 | 93  | 126721 | 38.80  | ng | # 94   |
| 29) 2,4-Dichlorophenol         | 10.94 | 162 | 107034 | 52.24  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.15 | 180 | 92424  | 44.23  | ng | 97     |
| 31) Naphthalene                | 11.34 | 128 | 327873 | 41.85  | ng | 98     |
| 32) Benzoic acid               | 10.56 | 122 | 23295  | 22.16  | ng | # 77   |
| 33) 4-Chloroaniline            | 11.34 | 127 | 43824  | 12.95  | ng | # 24   |
| 34) Hexachlorobutadiene        | 11.61 | 225 | 54638  | 46.93  | ng | 100    |
| 35) Caprolactam                | 12.25 | 113 | 33310  | 32.33  | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 12.55 | 107 | 115973 | 40.23  | ng | 92     |
| 37) 2-Methylnaphthalene        | 12.92 | 142 | 265723 | 45.54  | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.28 | 216 | 121423 | 46.72  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.25 | 237 | 150387 | 122.73 | ng | 96     |
| 42) 2,4,6-Trichlorophenol      | 13.51 | 196 | 94635  | 50.42  | ng | 91     |

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 ALS Vial : 18 Sample Multiplier: 1

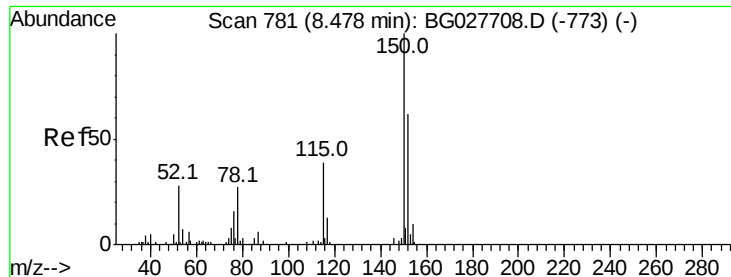
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 03 07:01:28 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.59 | 196  | 101587   | 47.76  | nq    | # 95     |
| 45) 1,1'-Biphenyl              | 13.90 | 154  | 354423   | 44.71  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.95 | 162  | 266971   | 44.58  | nq    | 98       |
| 47) 2-Nitroaniline             | 14.15 | 65   | 105734   | 44.11  | nq    | # 81     |
| 48) Acenaphthylene             | 14.79 | 152  | 461521   | 42.18  | nq    | 96       |
| 49) Dimethylphthalate          | 14.50 | 163  | 387656   | 45.95  | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.63 | 165  | 85669    | 46.71  | nq    | # 78     |
| 51) Acenaphthene               | 15.13 | 154  | 285111   | 40.65  | nq    | 94       |
| 52) 3-Nitroaniline             | 15.00 | 138  | 49921    | 23.14  | nq    | # 78     |
| 53) 2,4-Dinitrophenol          | 15.17 | 184  | 109717   | 105.90 | nq    | 94       |
| 54) Dibenzofuran               | 15.46 | 168  | 448942   | 48.41  | nq    | 98       |
| 55) 4-Nitrophenol              | 15.28 | 139  | 107910   | 65.52  | nq    | # 63     |
| 56) 2,4-Dinitrotoluene         | 15.41 | 165  | 125294   | 48.98  | nq    | # 89     |
| 57) Fluorene                   | 16.11 | 166  | 394291   | 43.85  | nq    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.60 | 232  | 86778    | 47.33  | nq    | 95       |
| 59) Diethylphthalate           | 15.86 | 149  | 429960   | 46.02  | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.08 | 204  | 191490   | 48.11  | nq    | 93       |
| 61) 4-Nitroaniline             | 16.14 | 138  | 62379    | 27.75  | nq    | # 72     |
| 62) Azobenzene                 | 16.38 | 77   | 365222   | 44.49  | nq    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.18 | 198  | 72715    | 47.90  | nq    | 81       |
| 65) n-Nitrosodiphenylamine     | 16.31 | 169  | 341494   | 43.13  | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.98 | 248  | 131876   | 51.80  | nq    | 94       |
| 67) Hexachlorobenzene          | 17.11 | 284  | 135345   | 50.20  | nq    | 98       |
| 68) Atrazine                   | 17.29 | 200  | 13795    | 5.52   | nq    | 97       |
| 69) Pentachlorophenol          | 17.46 | 266  | 154665   | 89.09  | nq    | 97       |
| 70) Phenanthrene               | 17.86 | 178  | 639002   | 45.48  | nq    | 95       |
| 71) Anthracene                 | 17.95 | 178  | 633224   | 44.63  | nq    | 98       |
| 72) Carbazole                  | 18.22 | 167  | 516687   | 36.97  | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.73 | 149  | 712518   | 46.40  | nq    | # 93     |
| 74) Fluoranthene               | 19.85 | 202  | 694427   | 45.22  | nq    | 96       |
| 76) Benzidine                  | 19.85 | 184  | 58       | 3.23   | nq    | # 1      |
| 77) Pyrene                     | 20.21 | 202  | 720145   | 44.80  | nq    | 94       |
| 79) Butylbenzylphthalate       | 21.08 | 149  | 322416   | 44.53  | nq    | # 88     |
| 80) Benzo(a)anthracene         | 22.15 | 228  | 696387   | 44.97  | nq    | 94       |
| 82) Chrysene                   | 22.23 | 228  | 651003   | 44.85  | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 22.00 | 149  | 459174   | 43.40  | nq    | # 96     |
| 84) Di-n-octyl phthalate       | 23.35 | 149  | 772172   | 44.18  | nq    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.94 | 276  | 754442   | 45.48  | nq    | # 66     |
| 87) Benzo(b)fluoranthene       | 24.63 | 252  | 693120   | 46.33  | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.71 | 252  | 684645   | 46.30  | nq    | # 93     |
| 89) Benzo(a)pyrene             | 25.62 | 252  | 652155   | 46.46  | nq    | # 94     |
| 90) Dibenzo(a,h)anthracene     | 30.02 | 278  | 625362   | 43.97  | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 31.25 | 276  | 589180   | 43.11  | nq    | # 93     |

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



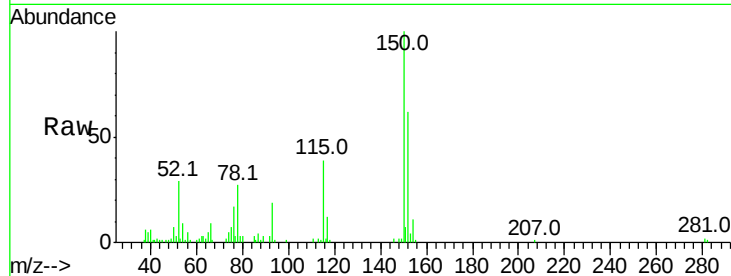


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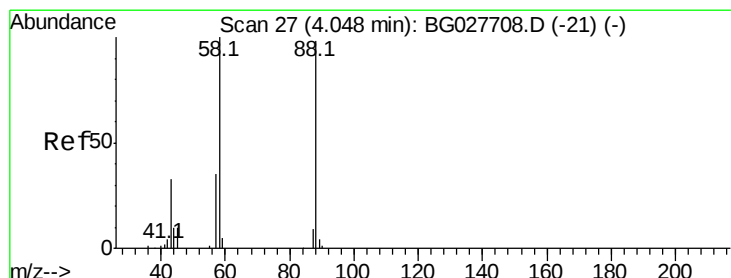
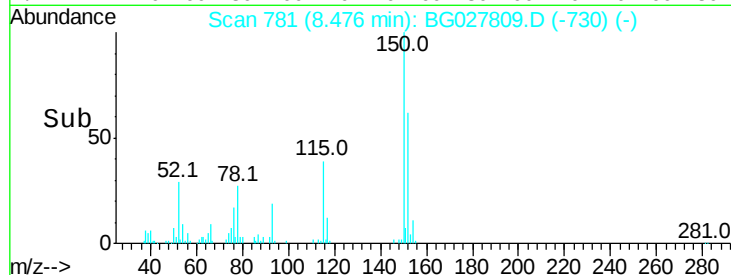
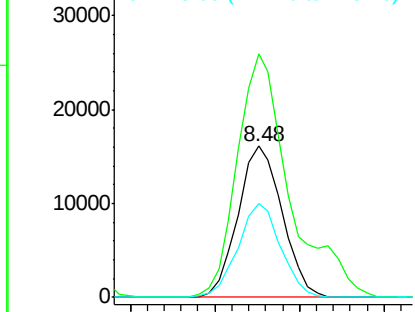
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.48 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 29189  
Ion Ratio Lower Upper  
152 100  
150 161.4 114.0 171.0  
115 62.5 48.1 72.1



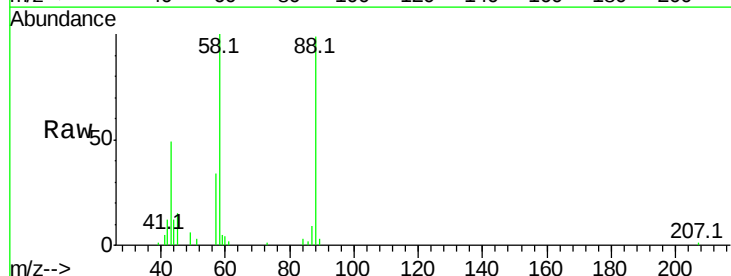
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



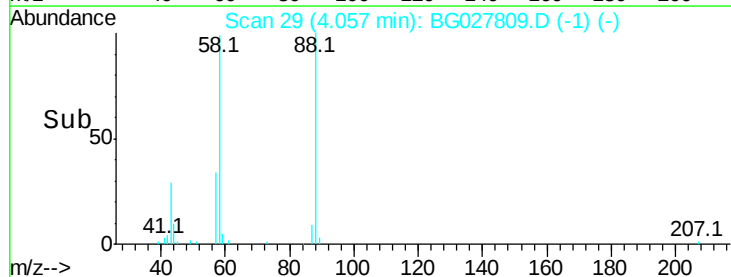
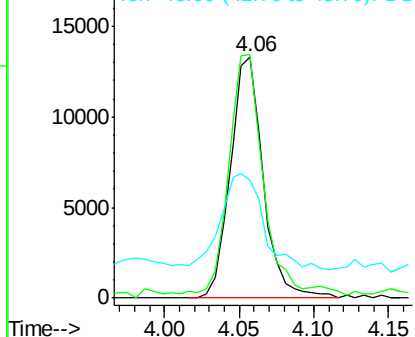
#2

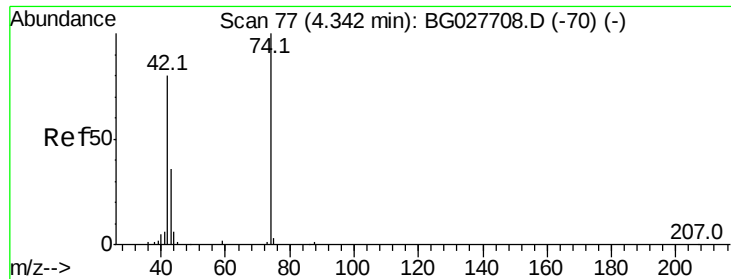
1,4-Dioxane  
Concen: 28.97 ng  
RT: 4.06 min Scan# 29  
Delta R.T. 0.01 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion: 88 Resp: 20446  
Ion Ratio Lower Upper  
88 100  
58 106.1 79.4 119.2  
43 52.8 33.8 50.6#



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





#4

n-Nitrosodimethylamine

Concen: 38.24 ng

RT: 4.35 min Scan# 78

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

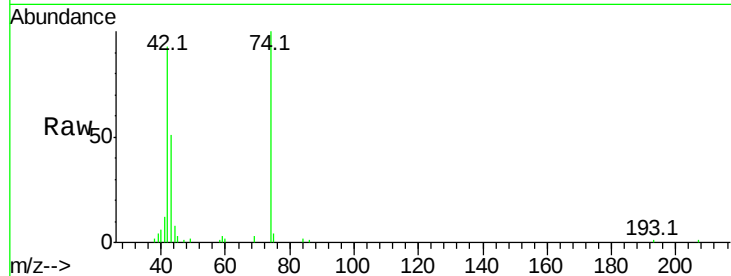
Tot Ion: 42 Resp: 40747

Ion Ratio Lower Upper

42 100

74 107.9 76.7 115.1

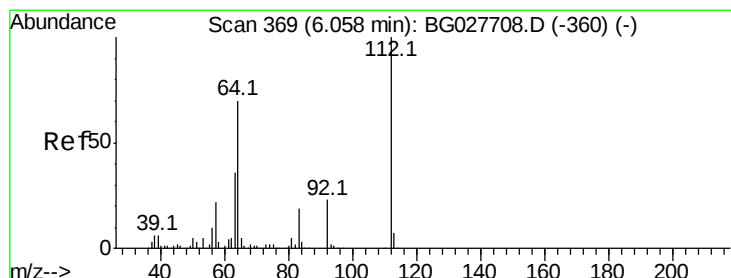
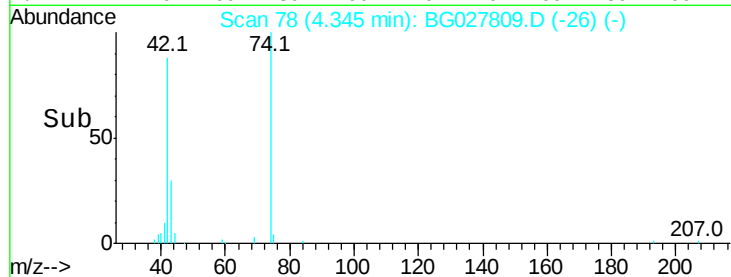
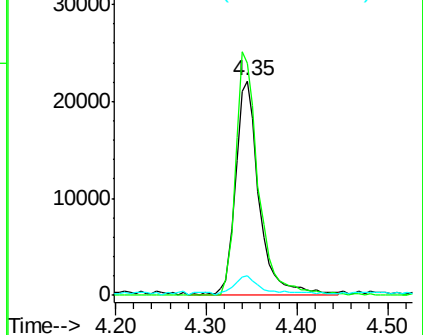
44 9.0 6.1 9.1



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 136.12 ng

RT: 6.06 min Scan# 370

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

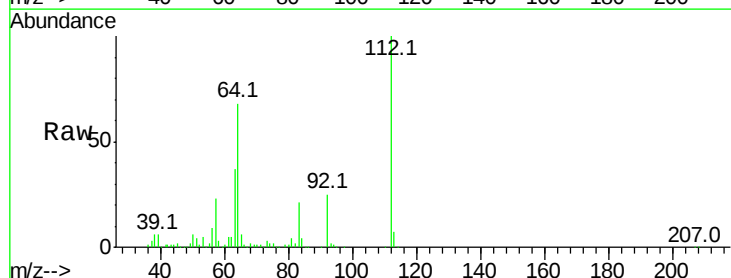
Tgt Ion: 112 Resp: 258020

Ion Ratio Lower Upper

112 100

64 68.5 61.8 92.6

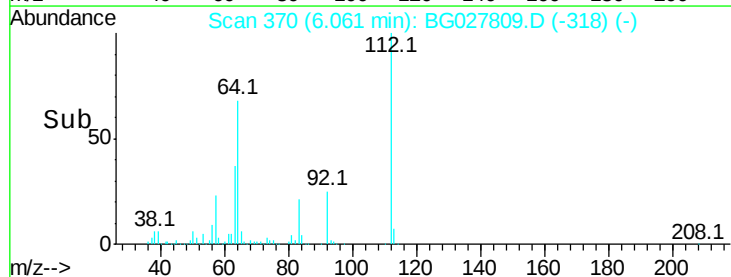
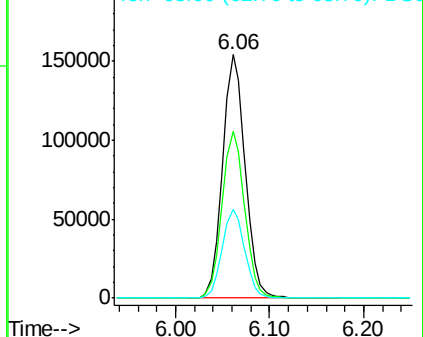
63 36.5 37.2 55.8#

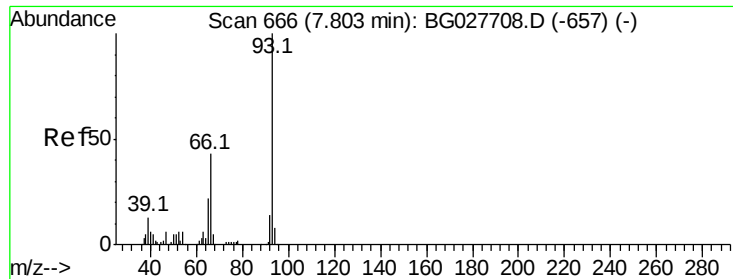


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 24.15 ng

RT: 7.88 min Scan# 680

Delta R.T. 0.08 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

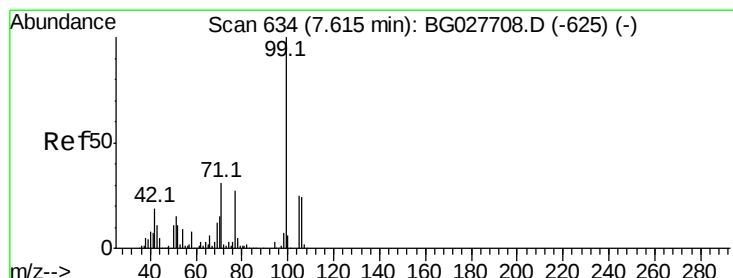
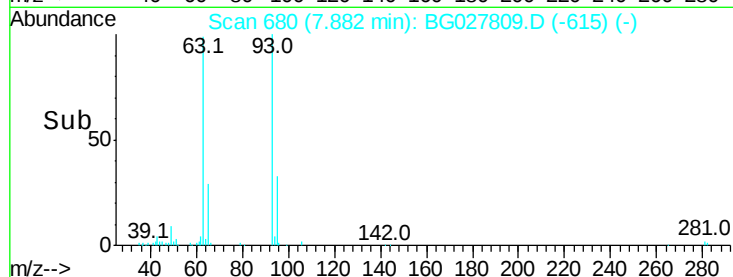
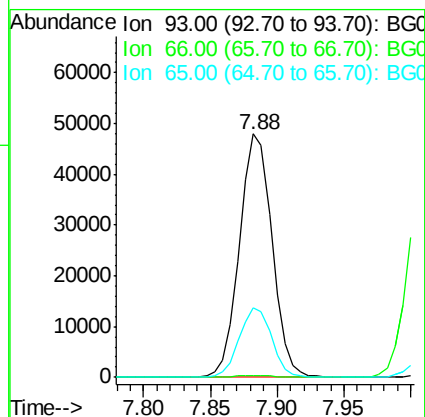
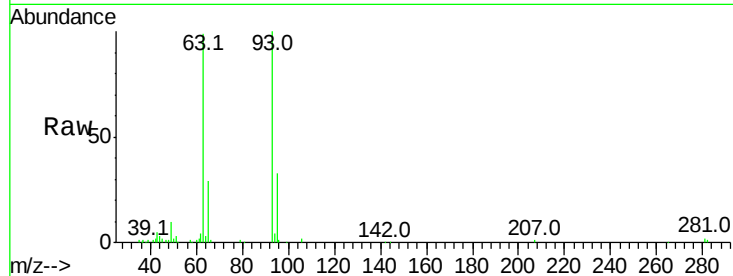
Tot Ion: 93 Resp: 81063

Ion Ratio Lower Upper

93 100

66 0.6 35.4 53.2#

65 28.6 21.2 31.8



#7

Phenol-d6

Concen: 121.85 ng

RT: 7.62 min Scan# 636

Delta R.T. 0.01 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

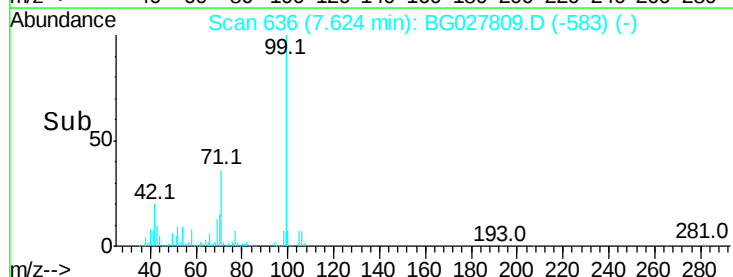
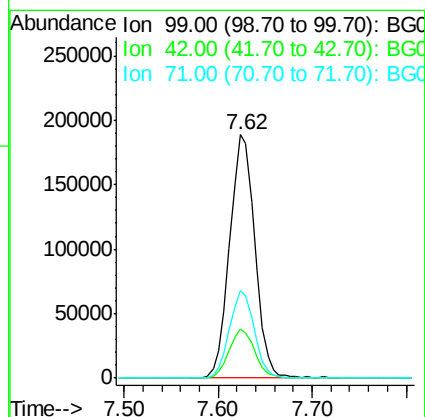
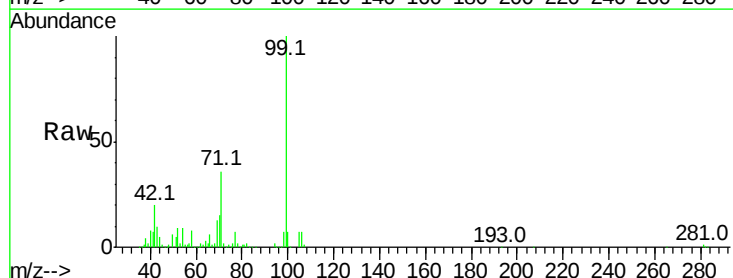
Tgt Ion: 99 Resp: 352846

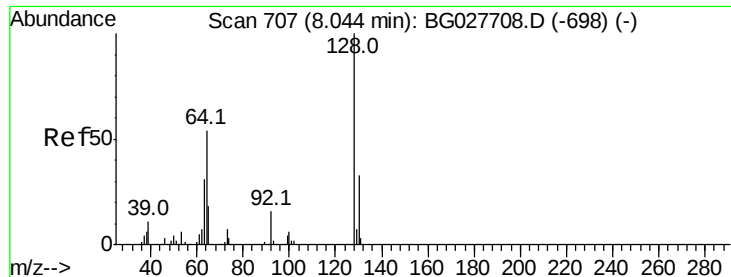
Ion Ratio Lower Upper

99 100

42 20.2 20.5 30.7#

71 35.8 37.6 56.4#





#8

2-Chlorophenol

Concen: 47.17 ng

RT: 8.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

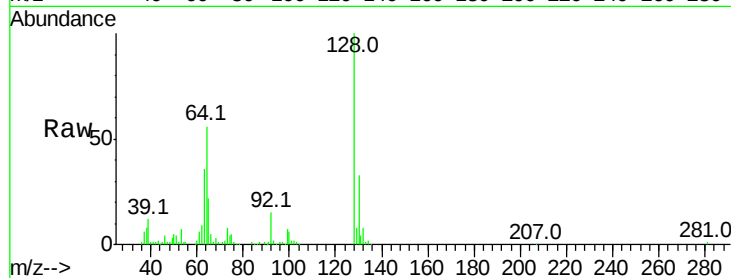
Tot Ion:128 Resp: 99922

Ion Ratio Lower Upper

128 100

130 33.3 11.4 51.4

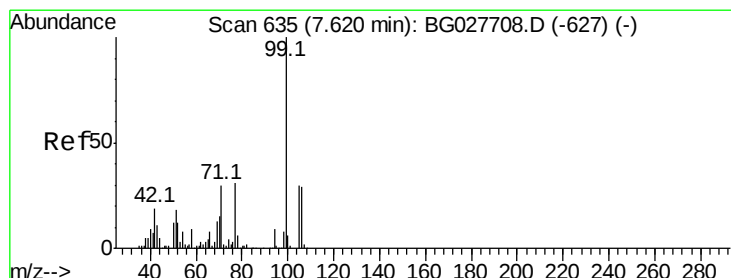
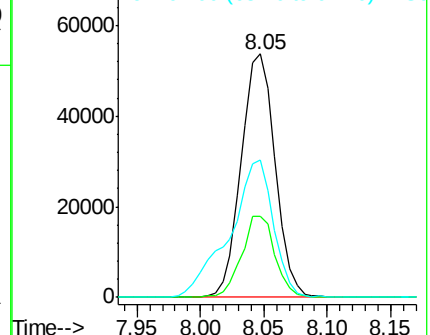
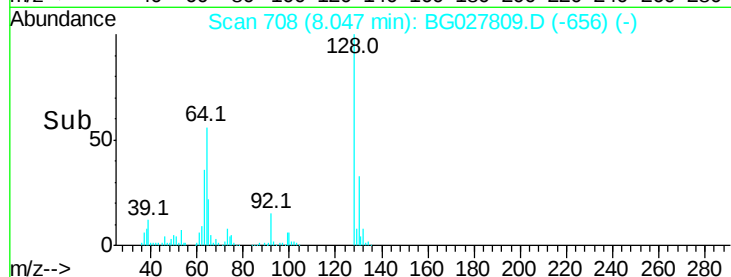
64 56.2 46.6 86.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 16.01 ng

RT: 7.62 min Scan# 635

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

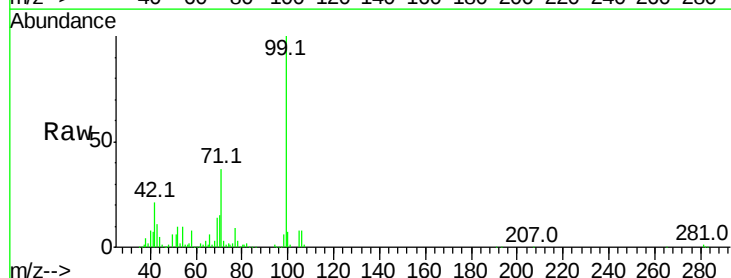
Tgt Ion: 77 Resp: 27593

Ion Ratio Lower Upper

77 100

105 92.2 60.9 100.9

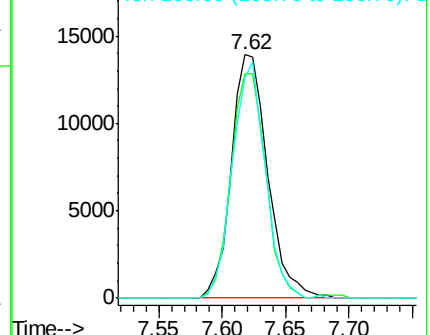
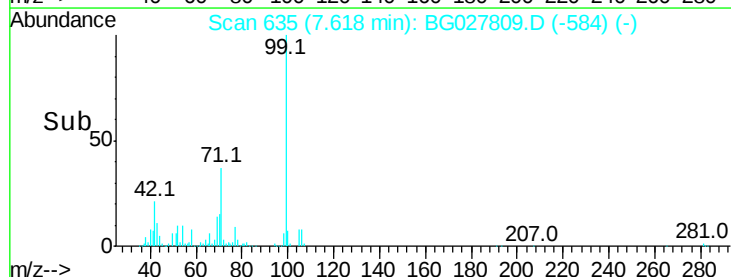
106 90.5 55.1 95.1

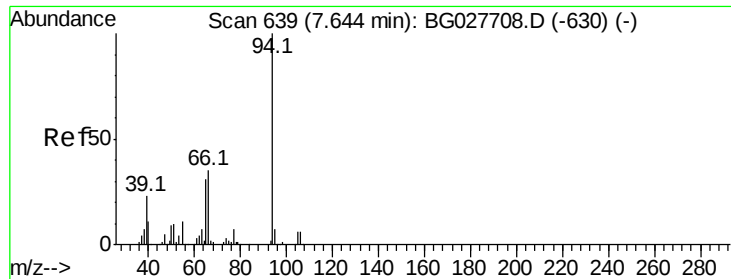


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 40.73 ng

RT: 7.65 min Scan# 641

Delta R.T. 0.01 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

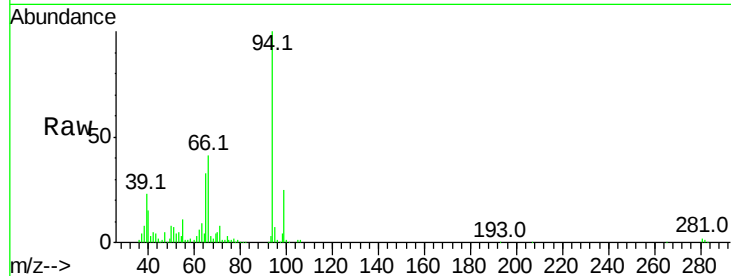
Tot Ion: 94 Resp: 116687

Ion Ratio Lower Upper

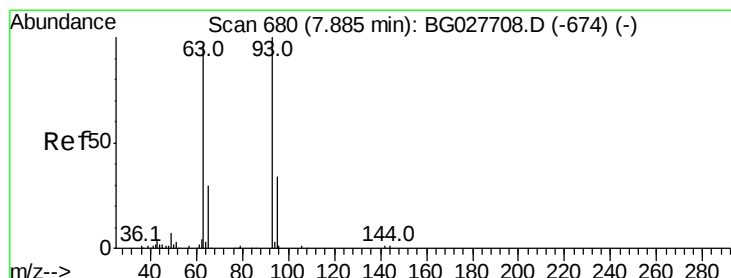
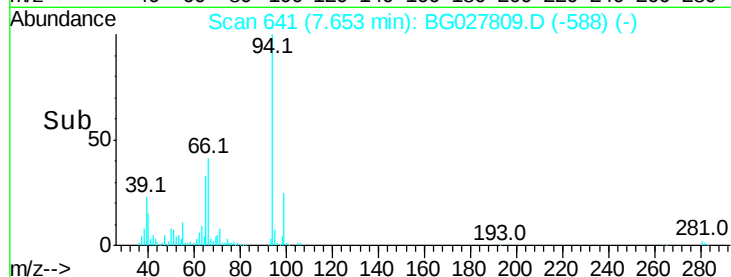
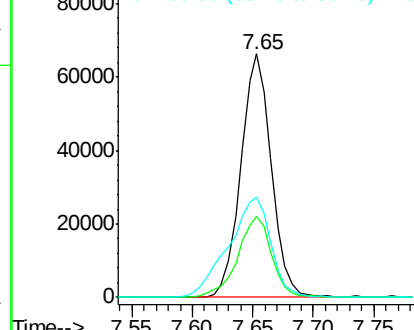
94 100

65 33.3 20.6 60.6

66 41.1 35.5 75.5



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 37.25 ng

RT: 7.88 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

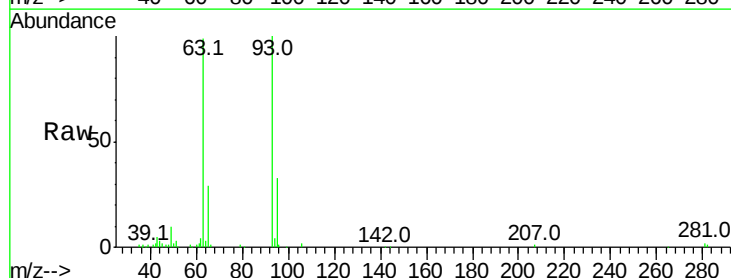
Tgt Ion: 93 Resp: 81063

Ion Ratio Lower Upper

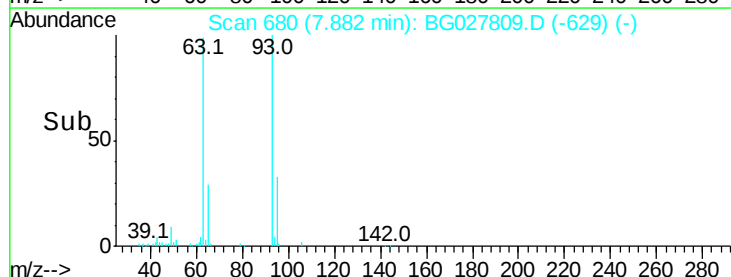
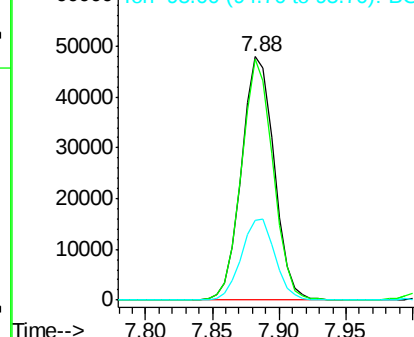
93 100

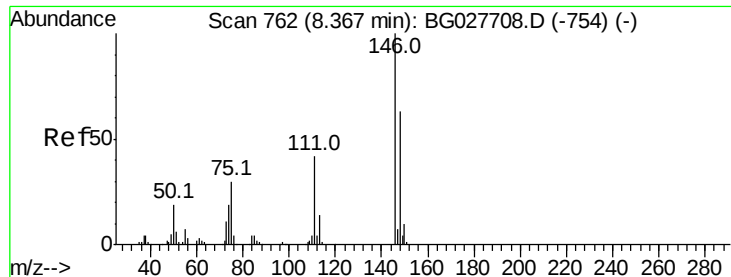
63 98.8 78.5 118.5

95 32.8 9.8 49.8



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





#12

1,3-Dichlorobenzene

Concen: 39.25 ng

RT: 8.36 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

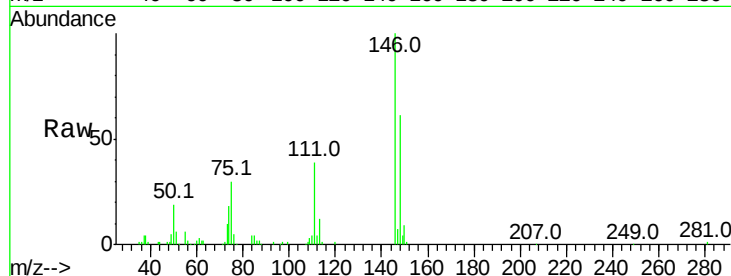
Tot Ion:146 Resp: 88422

Ion Ratio Lower Upper

146 100

148 60.7 49.2 73.8

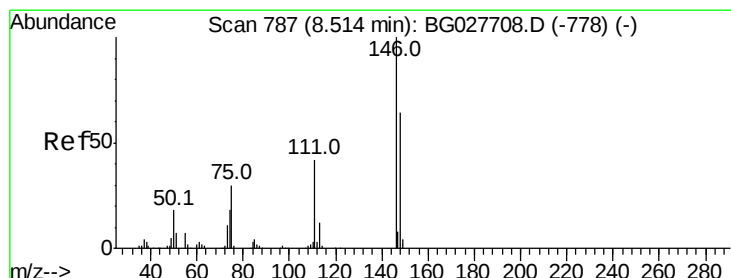
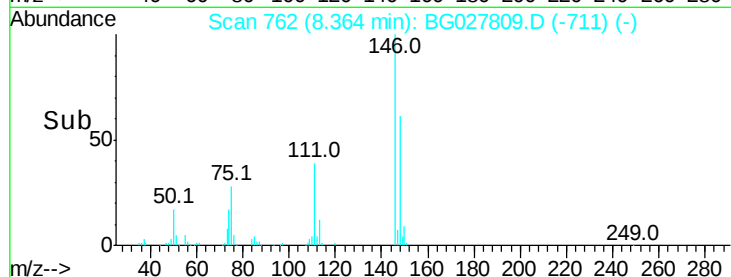
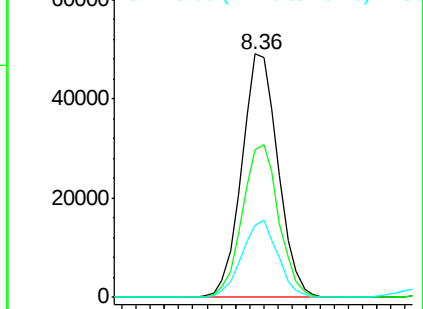
75 29.5 33.4 50.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 38.26 ng

RT: 8.51 min Scan# 787

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

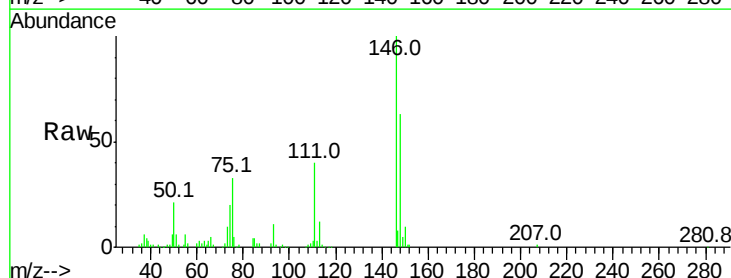
Tgt Ion:146 Resp: 89313

Ion Ratio Lower Upper

146 100

148 63.2 52.2 78.2

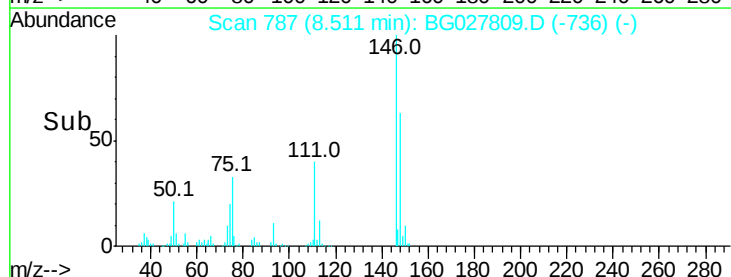
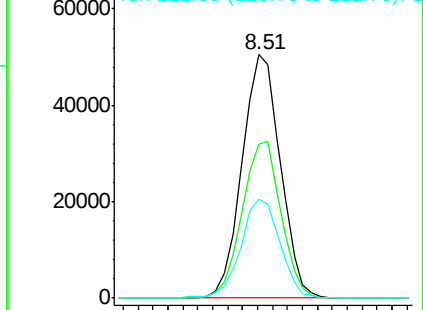
111 40.4 37.0 55.6

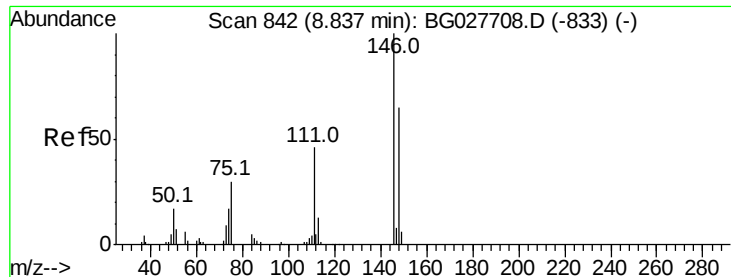


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 39.63 ng

RT: 8.83 min Scan# 842

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

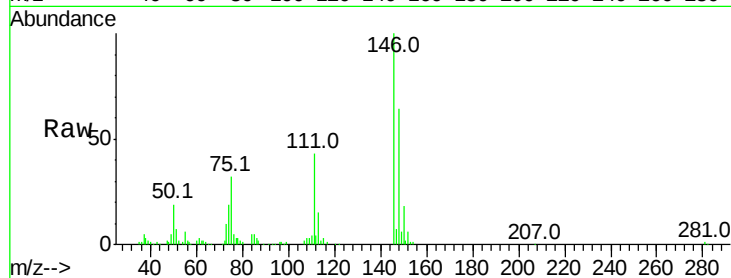
Tot Ion:146 Resp: 89693

Ion Ratio Lower Upper

146 100

148 64.3 54.6 81.8

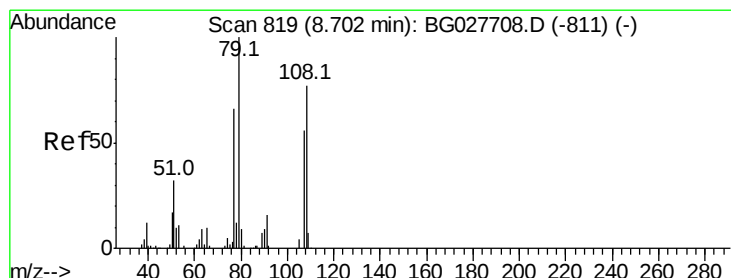
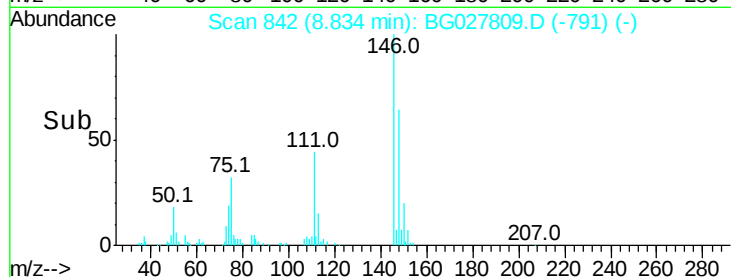
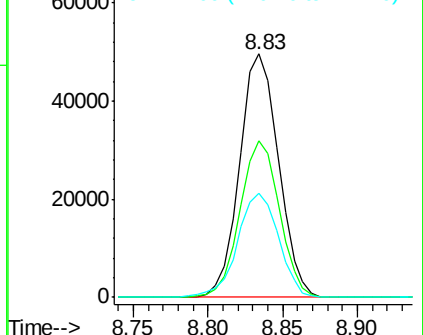
111 42.8 39.7 59.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 5.68 ng

RT: 8.71 min Scan# 821

Delta R.T. 0.01 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

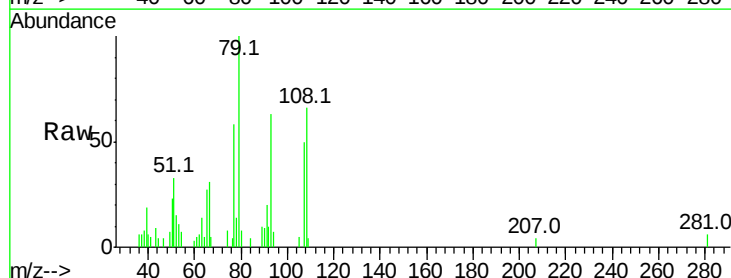
Tgt Ion: 79 Resp: 11378

Ion Ratio Lower Upper

79 100

108 65.7 45.5 68.3

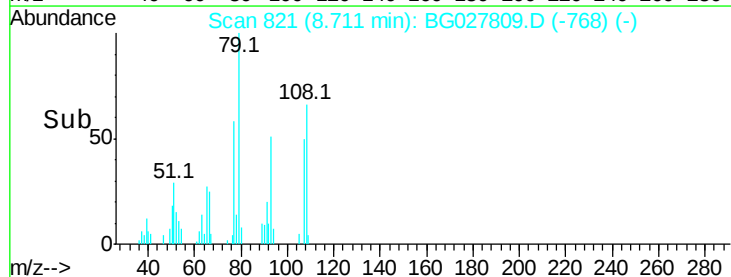
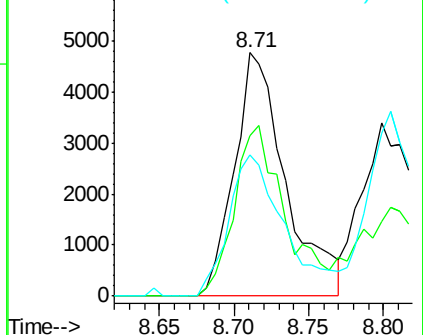
77 58.1 54.3 81.5

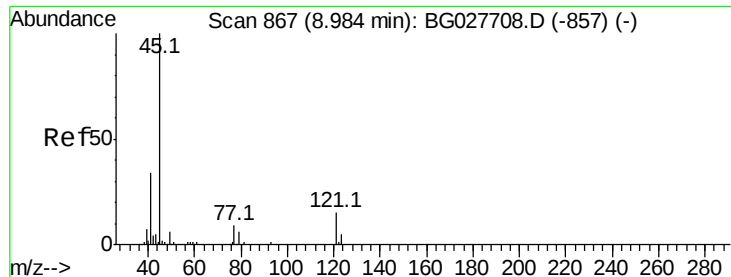


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

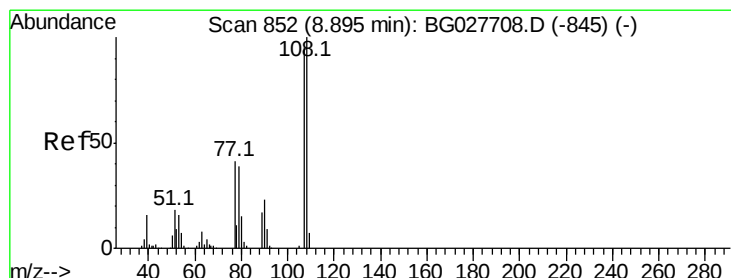
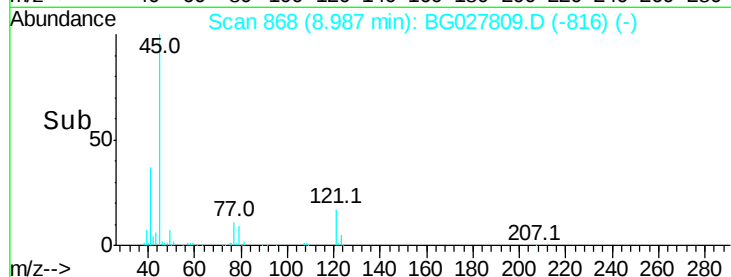
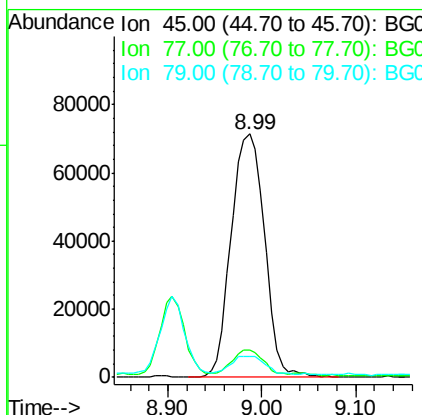
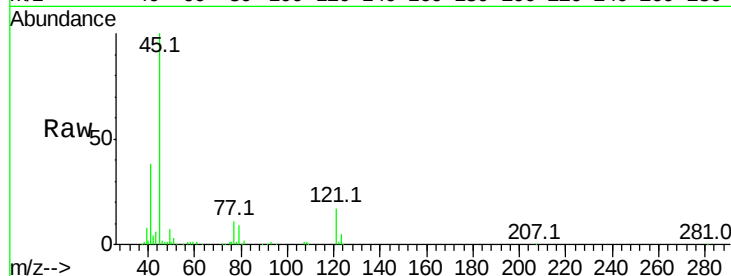




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 38.02 ng  
RT: 8.99 min Scan# 868  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

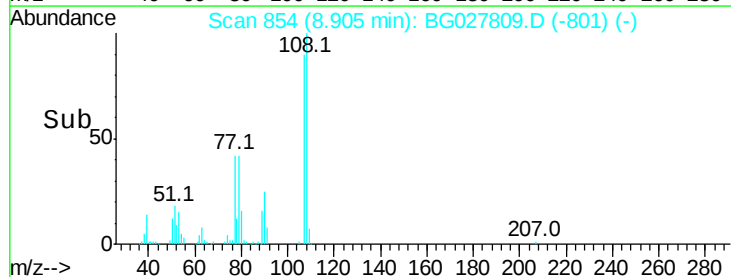
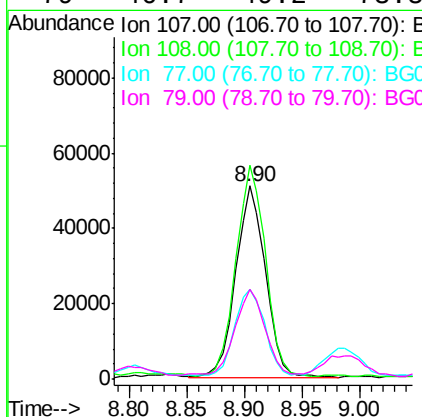
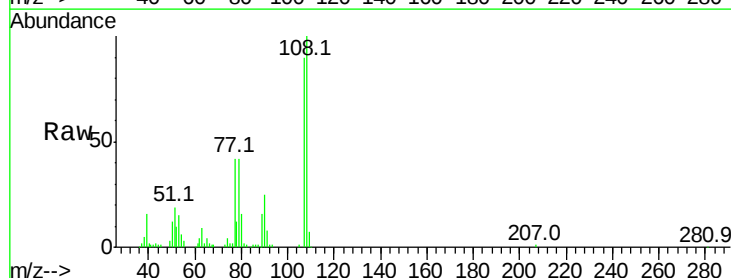
Instrument :  
BNA\_G  
ClientSampleId :

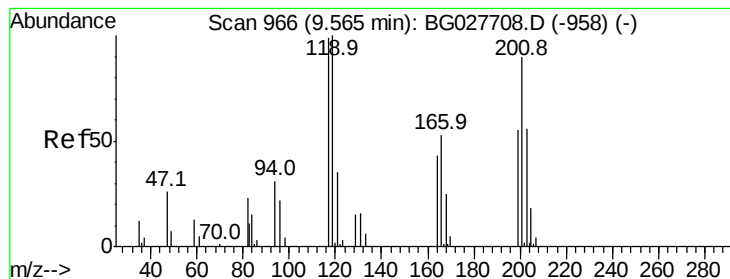
Tot Ion: 45 Resp: 176495  
Ion Ratio Lower Upper  
45 100  
77 11.4 0.0 30.6  
79 8.8 0.0 28.5



#17  
2-Methylphenol  
Concen: 44.57 ng  
RT: 8.90 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:107 Resp: 90348  
Ion Ratio Lower Upper  
107 100  
108 110.8 85.6 128.4  
77 46.5 51.4 77.2#  
79 46.7 49.2 73.8#





#18

Hexachloroethane

Concen: 36.84 ng

RT: 9.57 min Scan# 967

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampled :

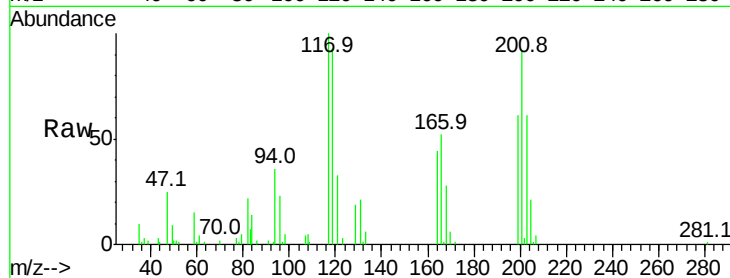
Tot Ion:117 Resp: 30254

Ion Ratio Lower Upper

117 100

119 92.7 69.8 104.6

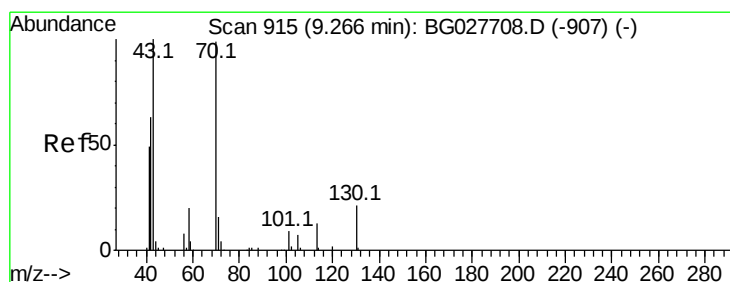
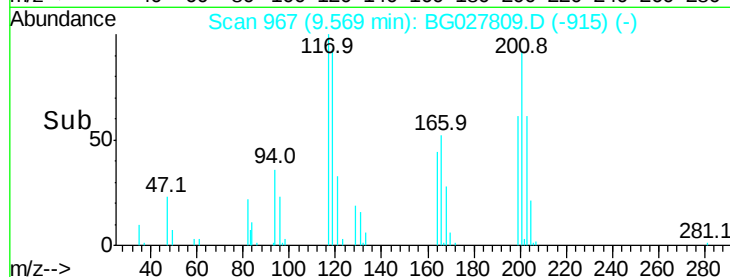
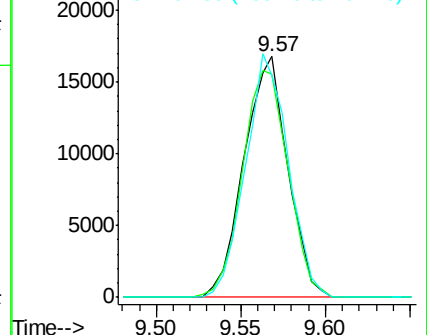
201 92.0 95.4 143.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 38.55 ng

RT: 9.27 min Scan# 916

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Tgt Ion: 70 Resp: 81221

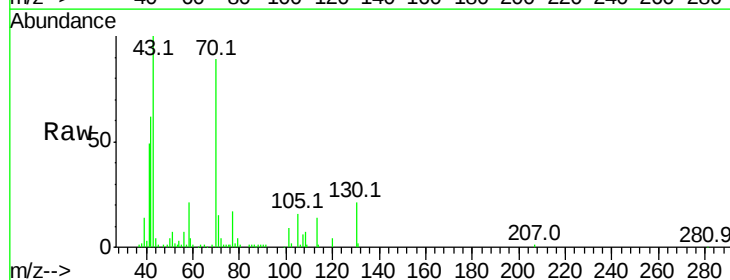
Ion Ratio Lower Upper

70 100

42 69.3 56.1 84.1

101 10.4 7.5 11.3

130 23.3 14.6 21.8#

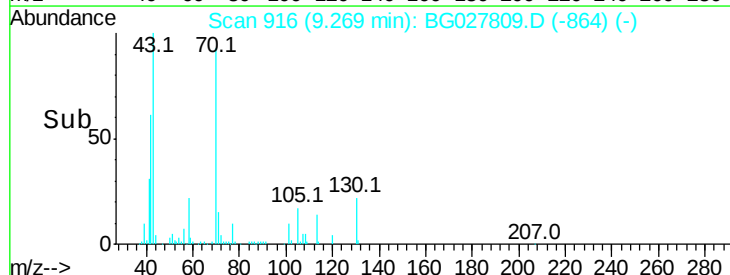
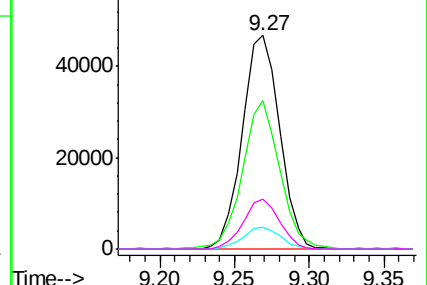


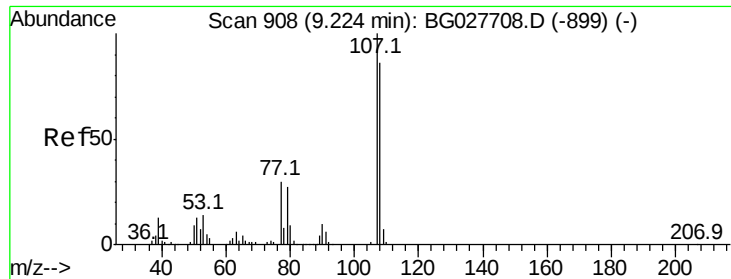
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

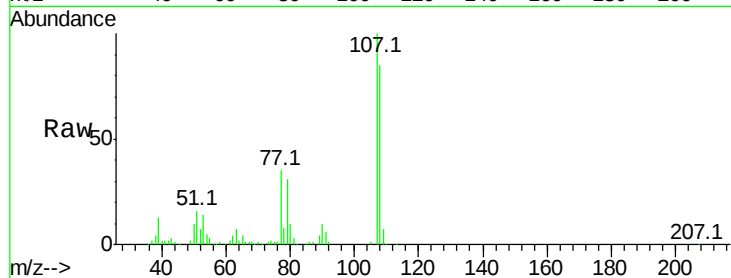




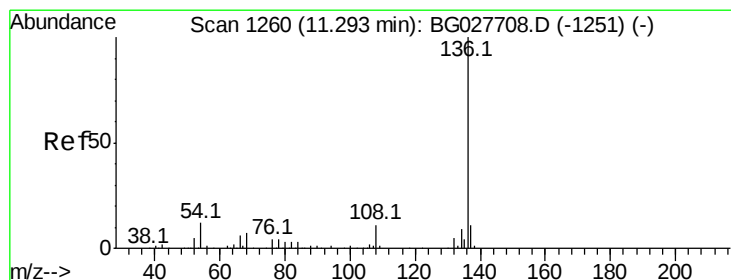
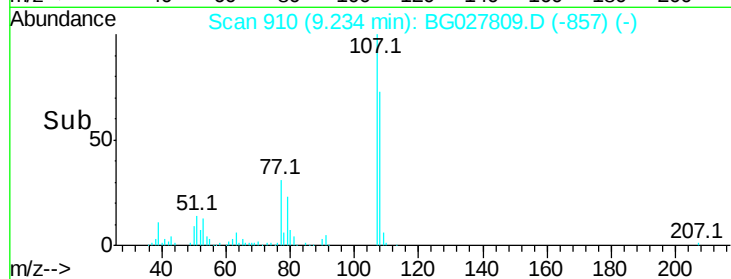
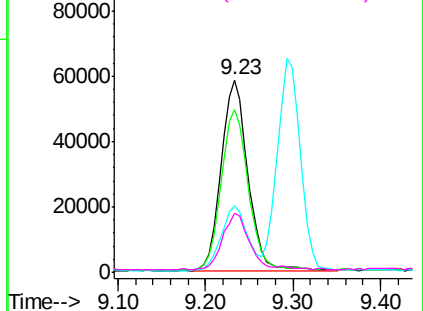
#20  
3+4-Methylphenols  
Concen: 42.15 ng  
RT: 9.23 min Scan# 910  
Delta R.T. 0.01 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 123211 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 84.6  | 70.8  | 110.8  |
| 77       | 34.7  | 25.8  | 65.8   |
| 79       | 30.8  | 20.1  | 60.1   |

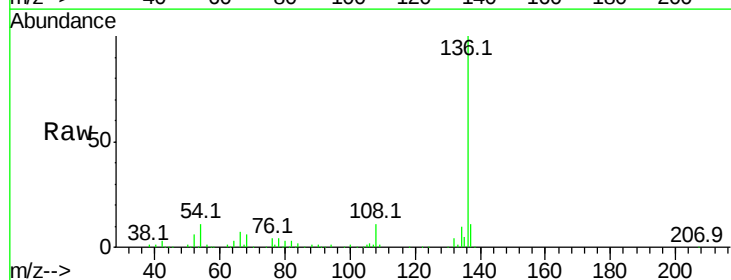


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

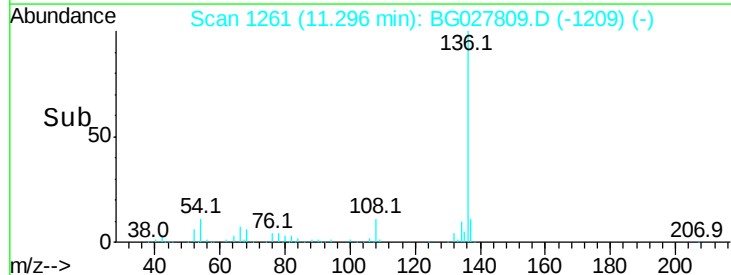
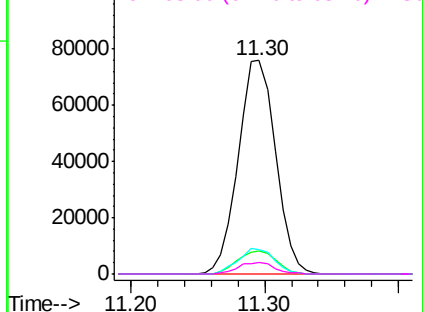


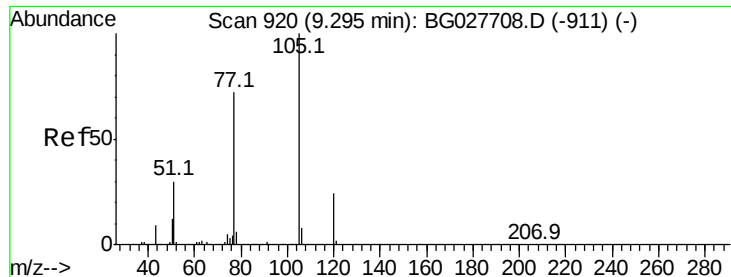
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.30 min Scan# 1261  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 147327 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 11.3  | 9.3   | 13.9   |
| 68       | 5.7   | 5.1   | 7.7    |



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





#22

Acetophenone

Concen: 42.27 ng

RT: 9.29 min Scan# 920

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:105 Resp: 150264

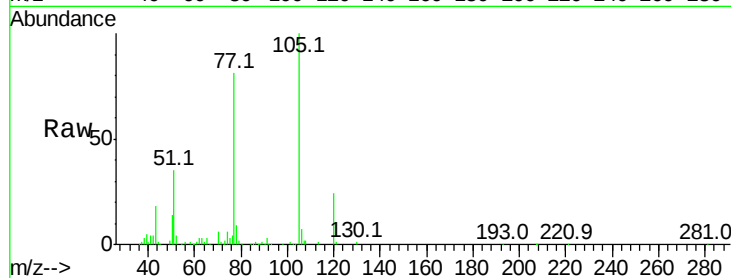
Ion Ratio Lower Upper

105 100

71 0.7 0.9 1.3#

51 35.1 34.0 51.0

120 23.5 17.3 25.9

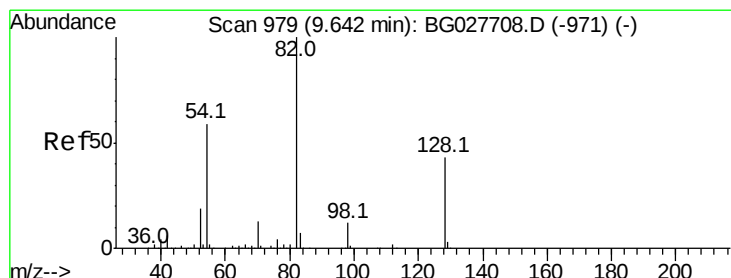
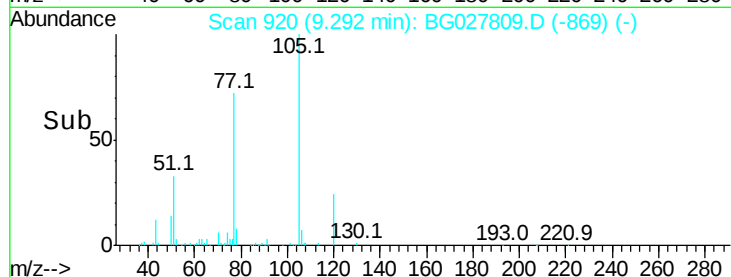
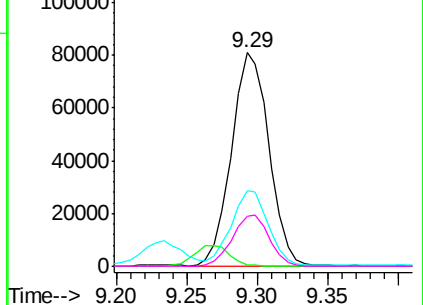


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 92.00 ng

RT: 9.64 min Scan# 980

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

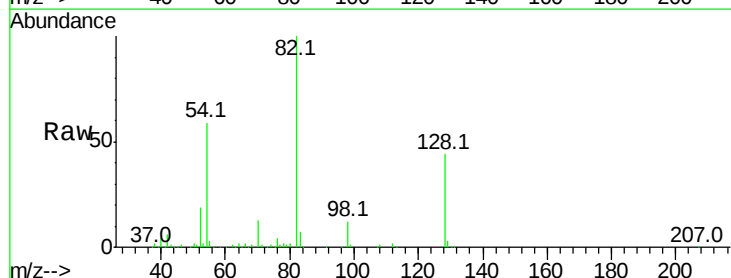
Tgt Ion: 82 Resp: 243175

Ion Ratio Lower Upper

82 100

128 43.6 26.4 39.6#

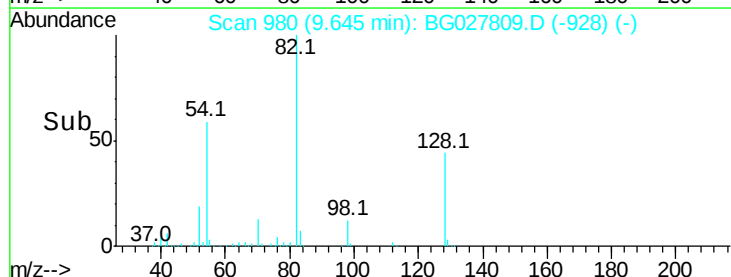
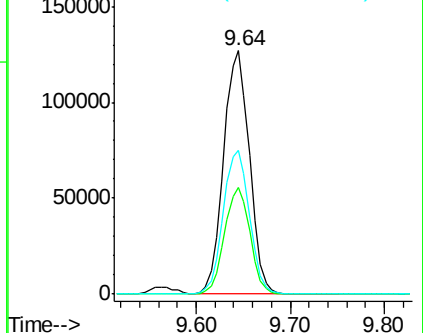
54 58.9 49.4 74.2

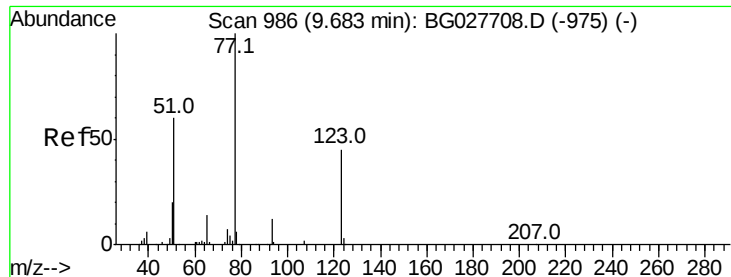


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 40.62 ng

RT: 9.69 min Scan# 987

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampled :

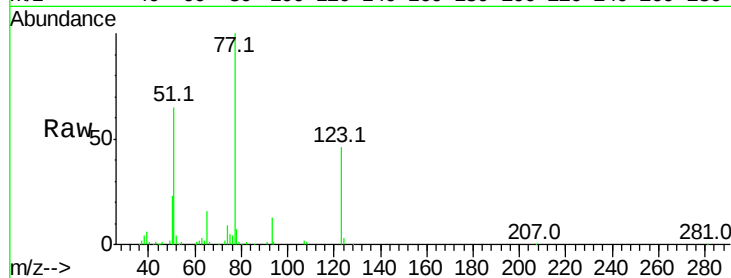
Tot Ion: 77 Resp: 112241

Ion Ratio Lower Upper

77 100

123 45.9 26.1 39.1#

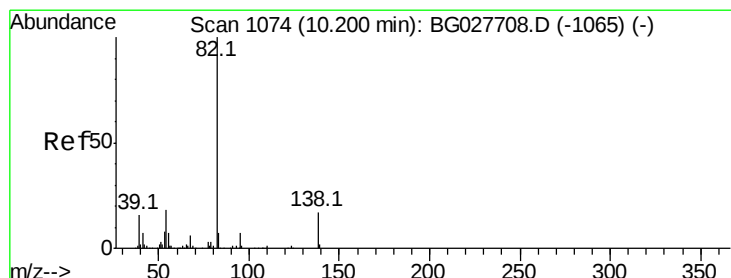
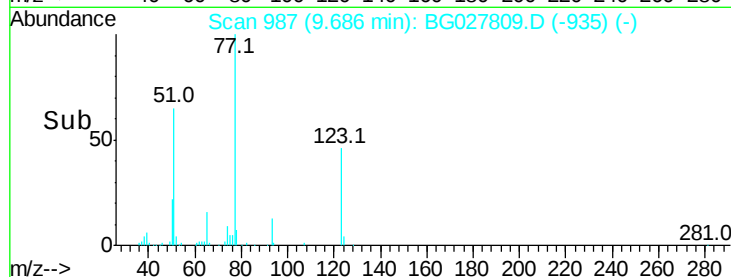
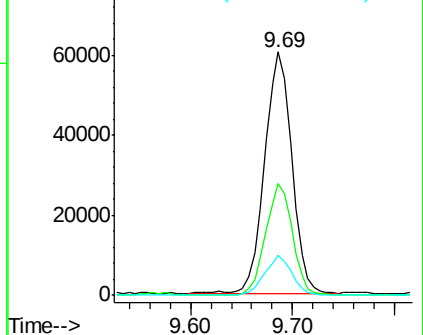
65 16.4 12.4 18.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 40.83 ng

RT: 10.20 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

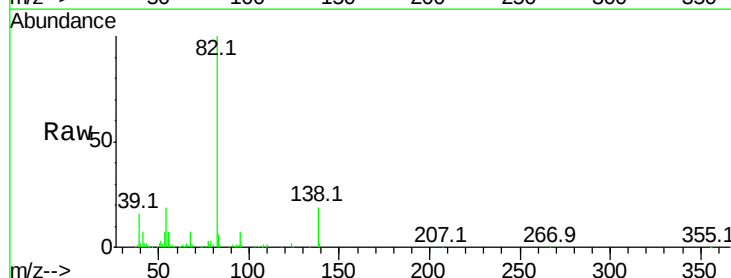
Tgt Ion: 82 Resp: 235216

Ion Ratio Lower Upper

82 100

95 7.1 7.5 11.3#

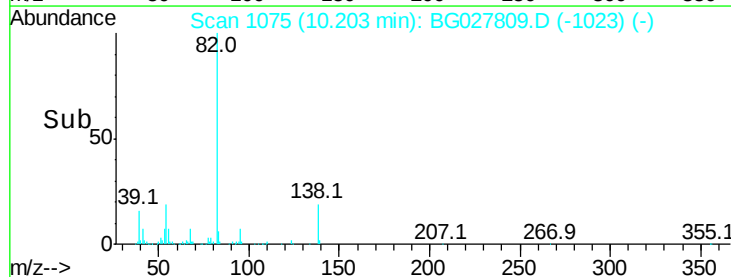
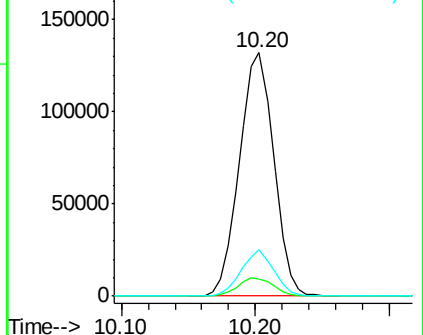
138 19.0 12.3 18.5#

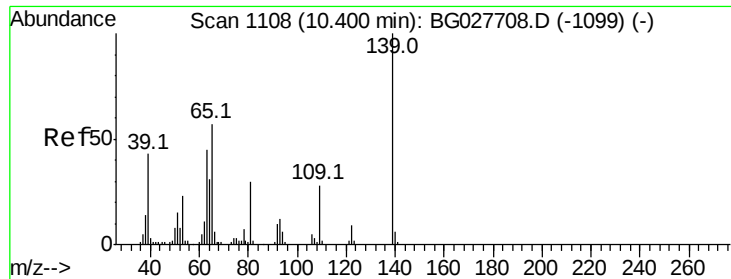


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

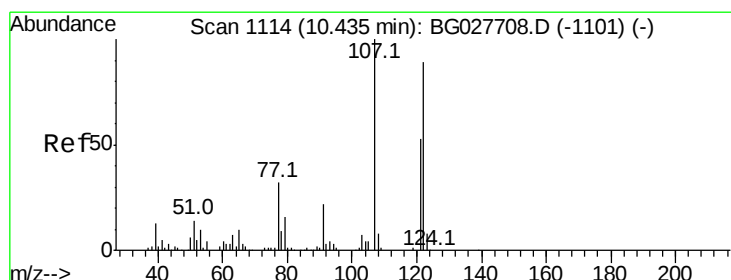
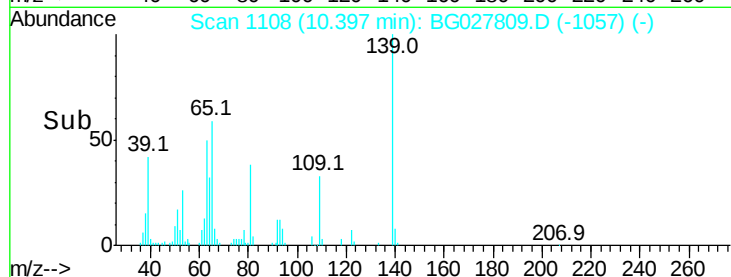
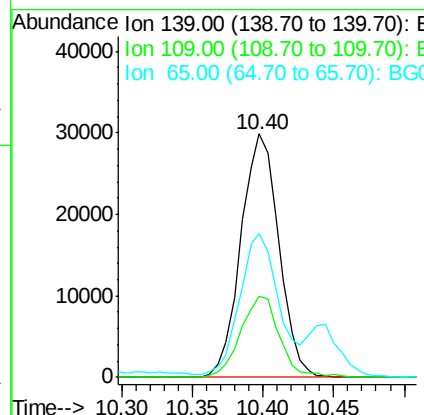
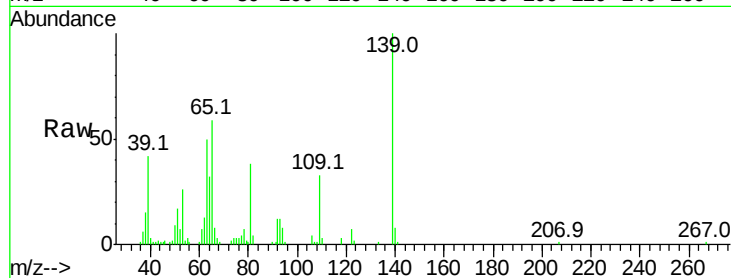




#26  
2-Nitrophenol  
Concen: 45.00 ng  
RT: 10.40 min Scan# 1108  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

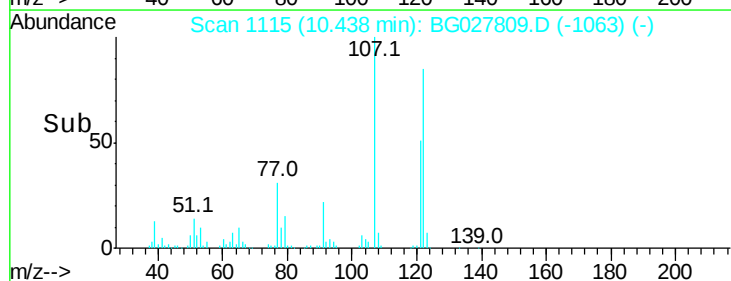
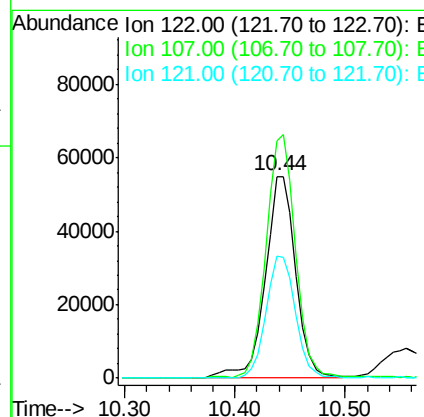
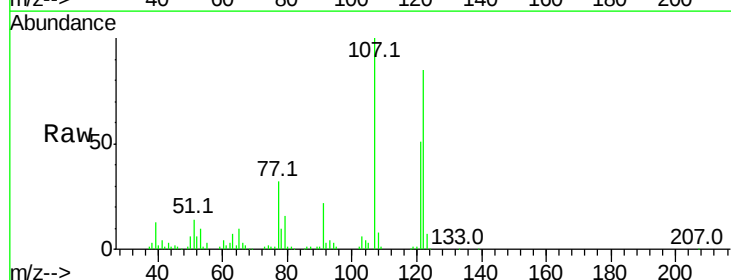
Instrument :  
BNA\_G  
ClientSampleId :

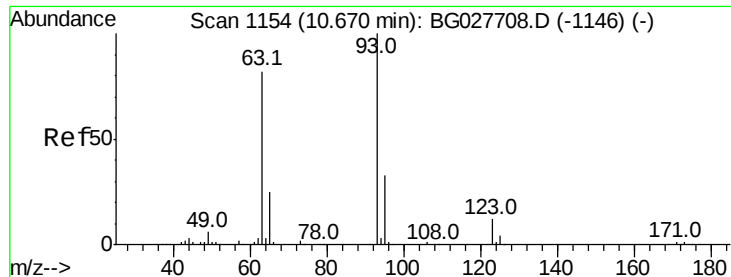
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 33.1  | 38.6  | 58.0# |
| 65      | 59.2  | 57.1  | 85.7  |



#27  
2,4-Dimethylphenol  
Concen: 45.23 ng  
RT: 10.44 min Scan# 1115  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 117.7 | 104.2 | 156.4 |
| 121     | 60.3  | 46.0  | 69.0  |

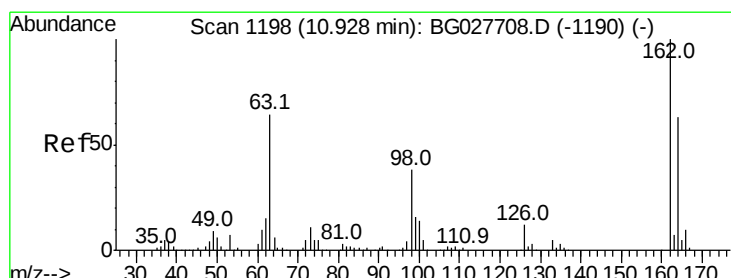
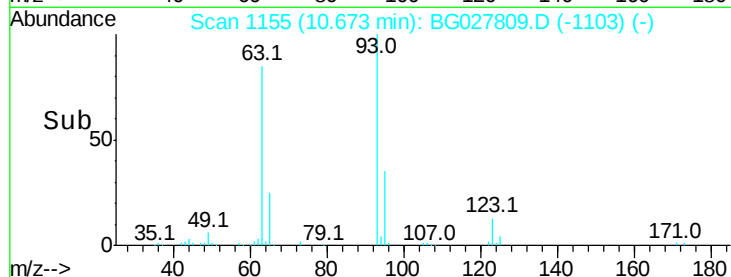
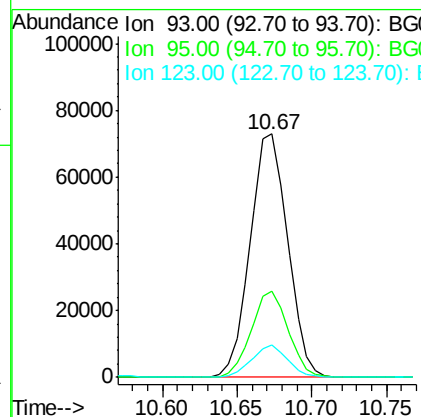
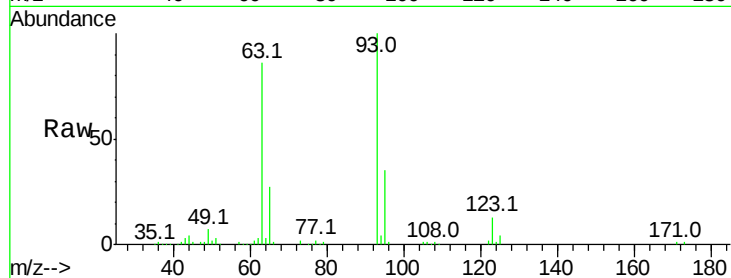




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.80 ng  
 RT: 10.67 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

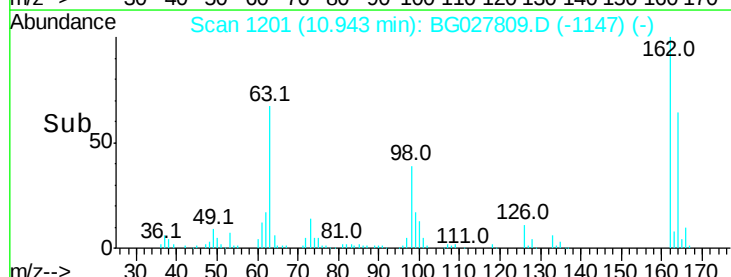
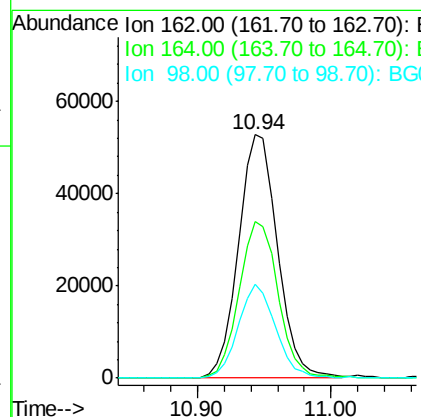
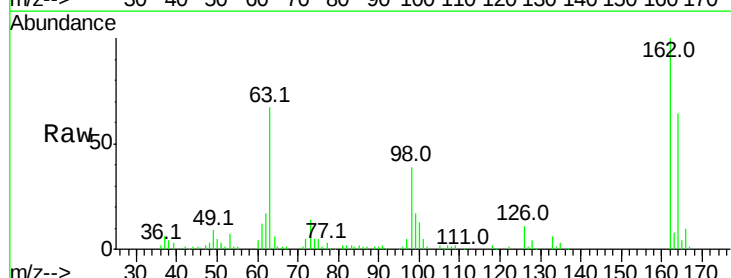
Instrument :  
 BNA\_G  
 ClientSampleId :

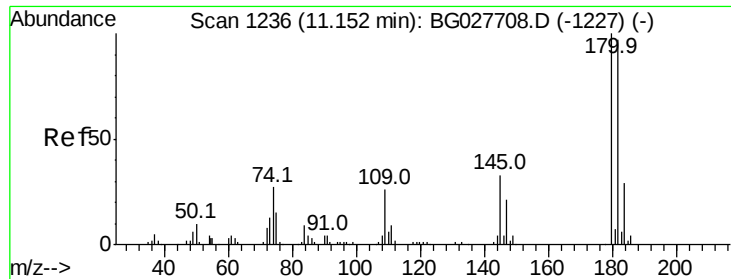
Tot Ion: 93 Resp: 126721  
 Ion Ratio Lower Upper  
 93 100  
 95 35.3 25.7 38.5  
 123 13.3 8.3 12.5#



#29  
 2,4-Dichlorophenol  
 Concen: 52.24 ng  
 RT: 10.94 min Scan# 1201  
 Delta R.T. 0.02 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

Tgt Ion:162 Resp: 107034  
 Ion Ratio Lower Upper  
 162 100  
 164 64.4 42.4 82.4  
 98 38.5 20.3 60.3

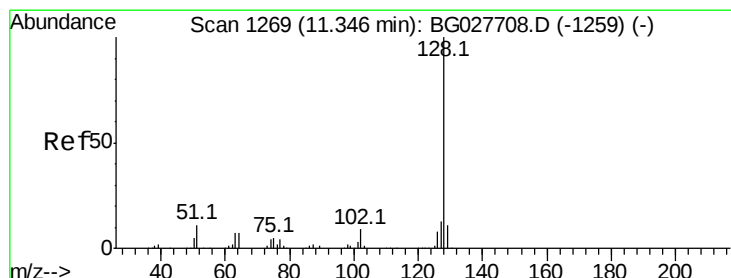
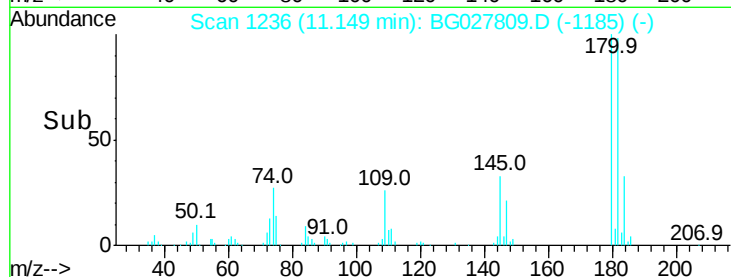
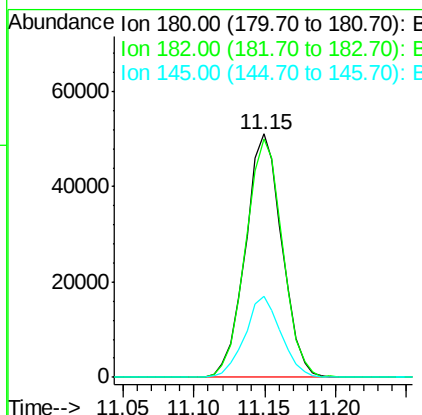
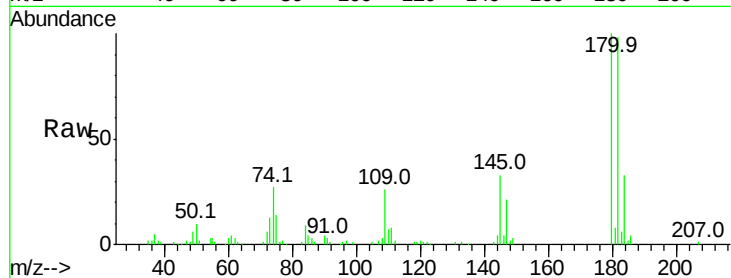




#30  
 1,2,4-Trichlorobenzene  
 Concen: 44.23 ng  
 RT: 11.15 min Scan# 1236  
 Delta R.T. -0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

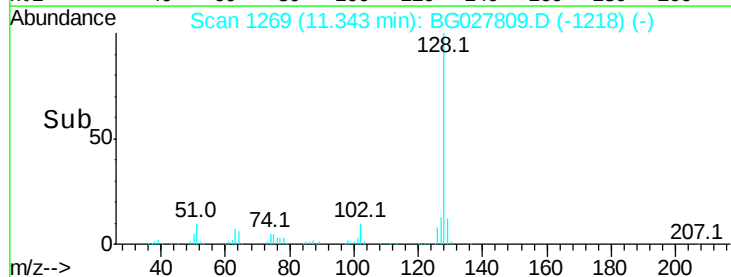
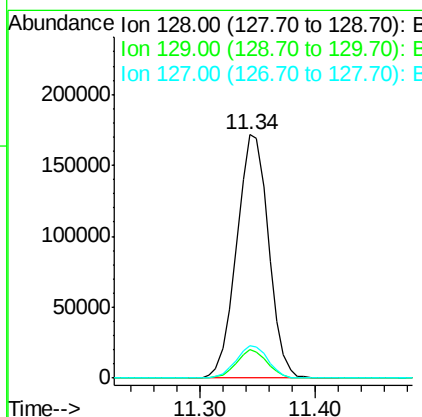
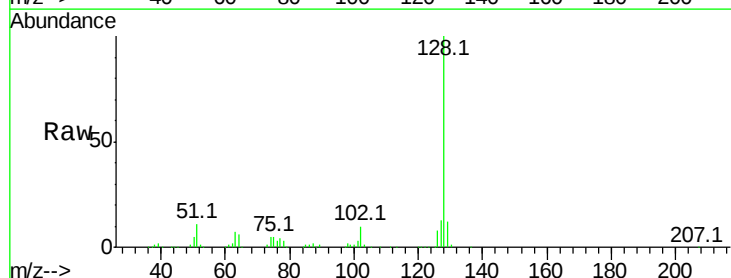
Instrument :  
 BNA\_G  
 ClientSampleId :

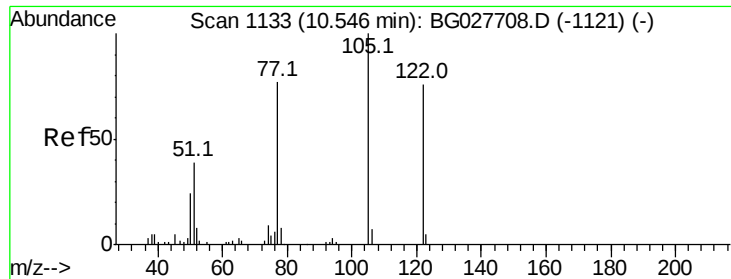
Tot Ion:180 Resp: 92424  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 77.0 115.4  
 145 33.5 23.4 35.0



#31  
 Naphthalene  
 Concen: 41.85 ng  
 RT: 11.34 min Scan# 1269  
 Delta R.T. -0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

Tgt Ion:128 Resp: 327873  
 Ion Ratio Lower Upper  
 128 100  
 129 11.8 9.3 13.9  
 127 13.2 11.4 17.0





#32

Benzoic acid

Concen: 22.16 ng

RT: 10.56 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

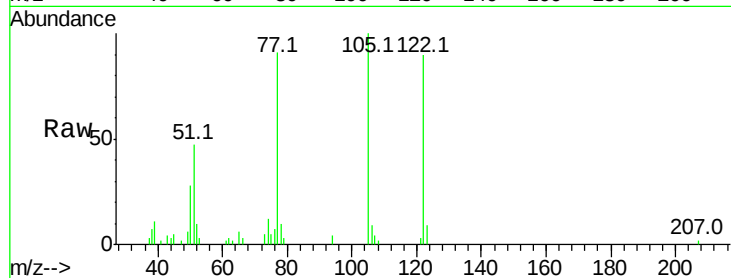
Tot Ion:122 Resp: 23295

Ion Ratio Lower Upper

122 100

105 110.6 120.1 160.1#

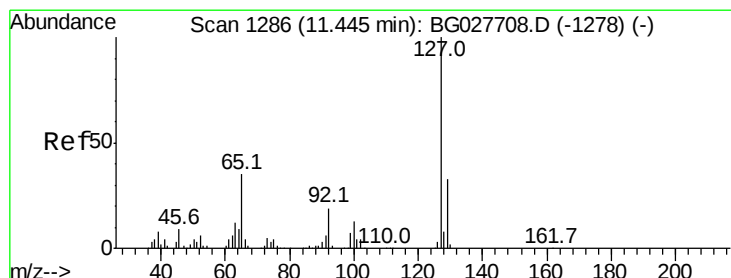
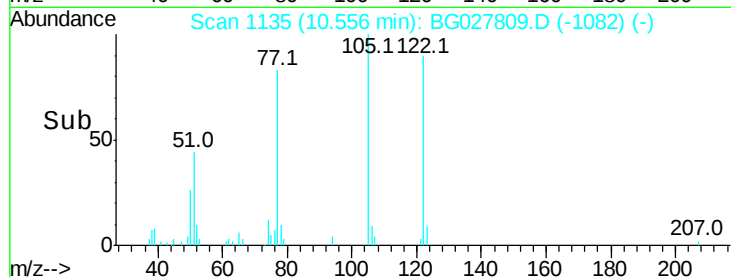
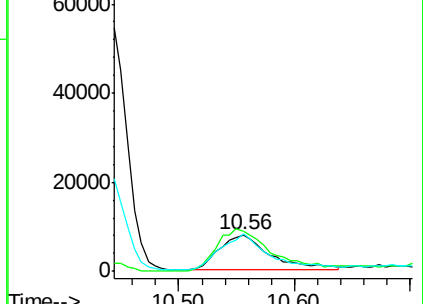
77 100.7 104.6 144.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 12.95 ng

RT: 11.34 min Scan# 1269

Delta R.T. -0.10 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Tgt Ion:127 Resp: 43824

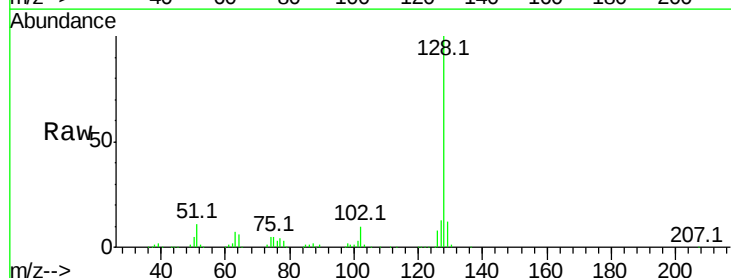
Ion Ratio Lower Upper

127 100

129 89.3 23.6 35.4#

65 2.0 37.7 56.5#

92 0.0 17.6 26.4#

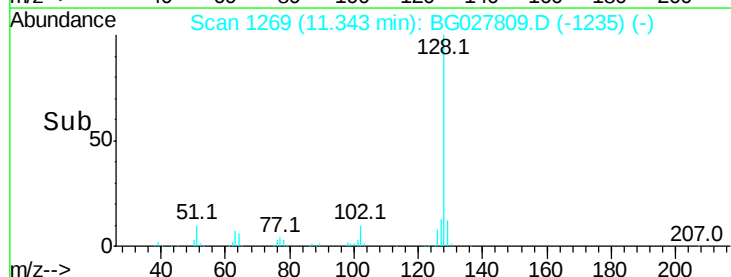
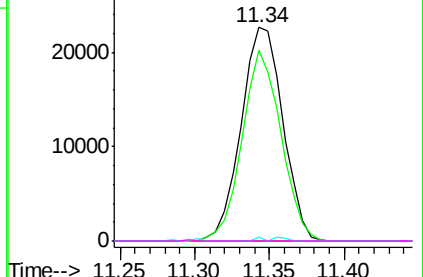


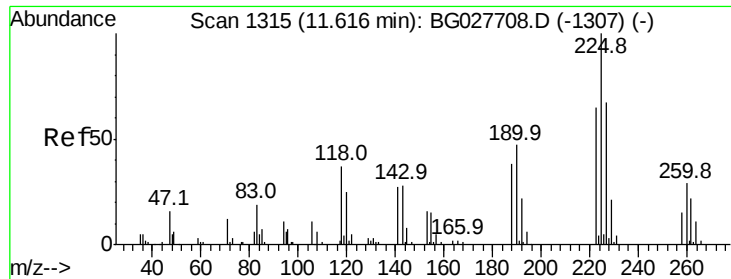
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

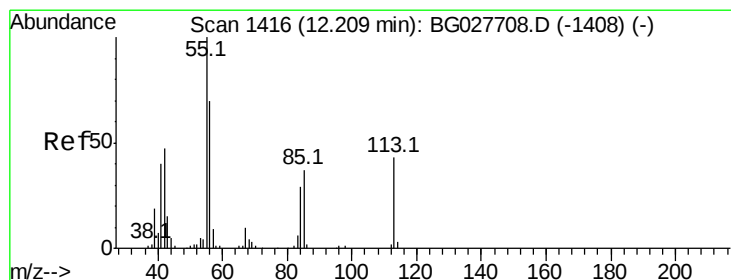
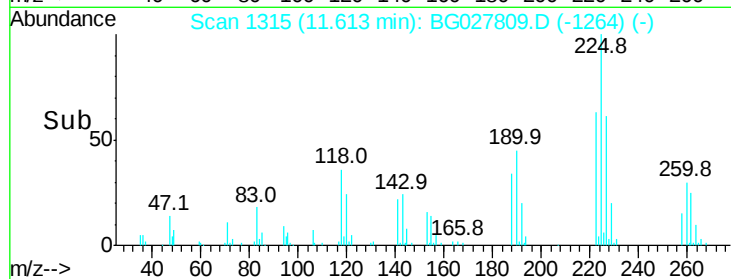
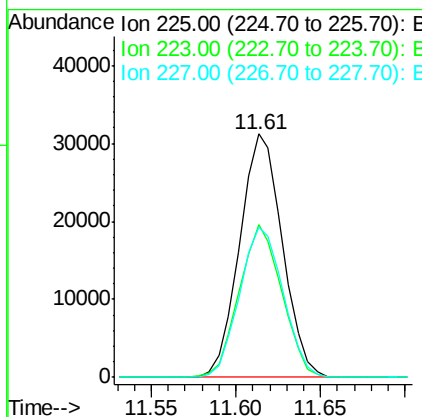
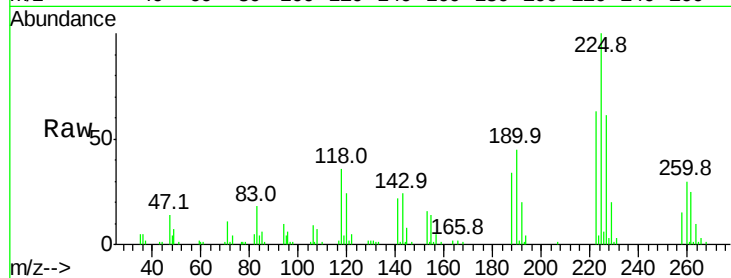




#34  
Hexachlorobutadiene  
Concen: 46.93 ng  
RT: 11.61 min Scan# 1315  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

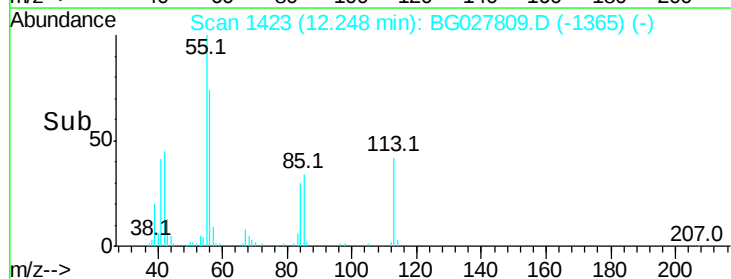
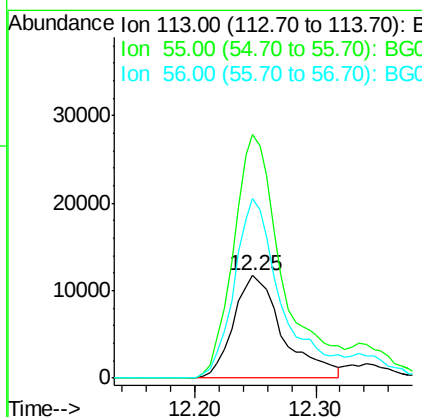
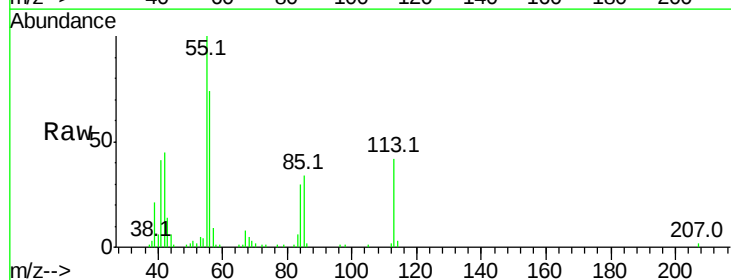
Instrument :  
BNA\_G  
ClientSampleId :

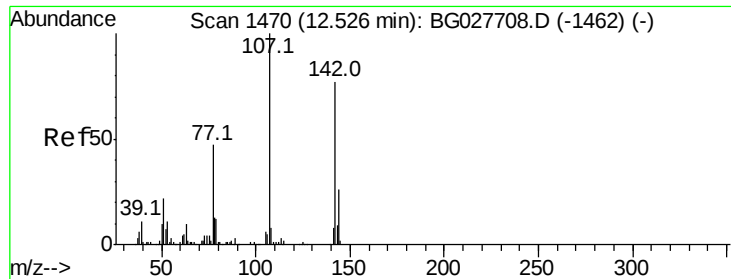
Tot Ion:225 Resp: 54638  
Ion Ratio Lower Upper  
225 100  
223 62.8 50.7 76.1  
227 61.4 49.0 73.6



#35  
Caprolactam  
Concen: 32.33 ng  
RT: 12.25 min Scan# 1423  
Delta R.T. 0.04 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:113 Resp: 33310  
Ion Ratio Lower Upper  
113 100  
55 238.2 198.6 238.6  
56 175.3 140.4 180.4

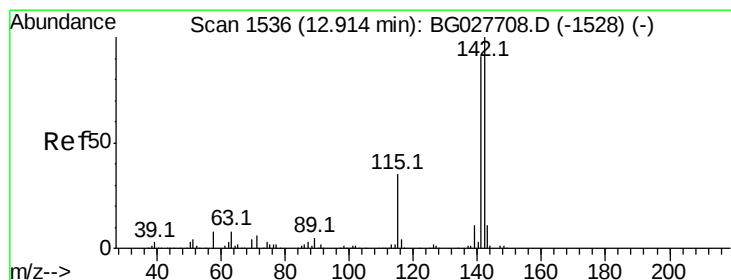
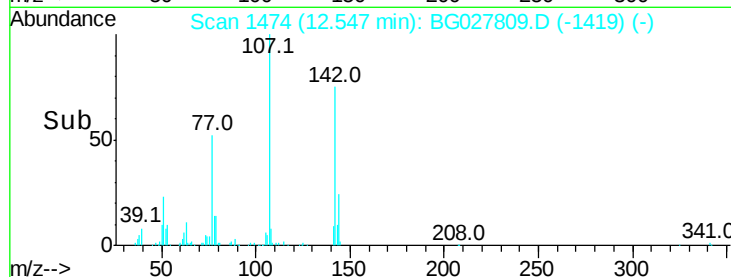
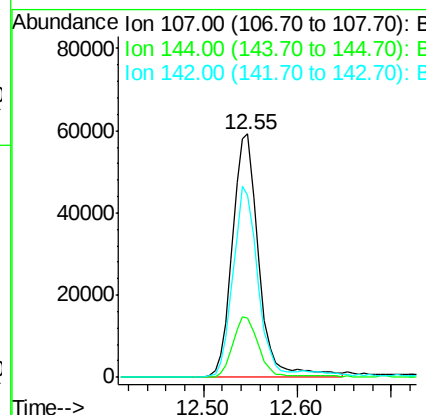
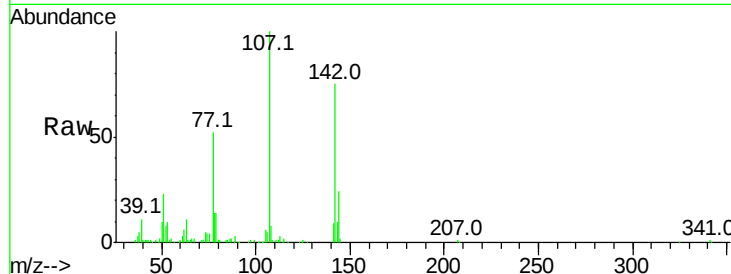




#36  
 4-Chloro-3-methylphenol  
 Concen: 40.23 ng  
 RT: 12.55 min Scan# 1474  
 Delta R.T. 0.02 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

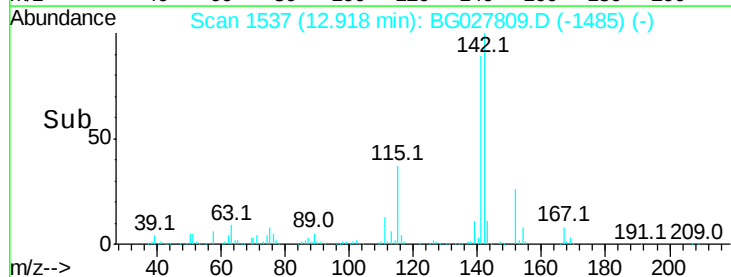
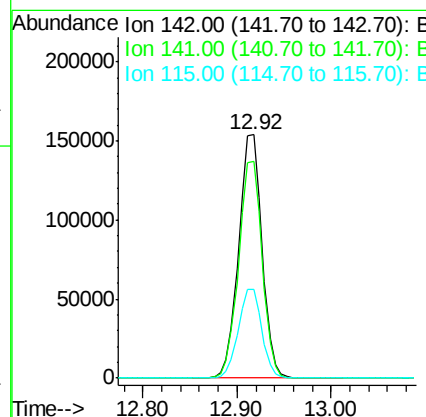
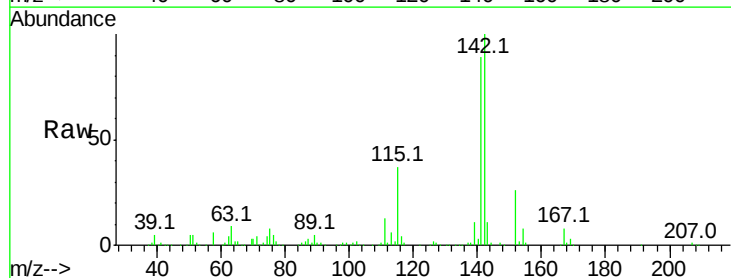
Instrument :  
 BNA\_G  
 ClientSampleId :

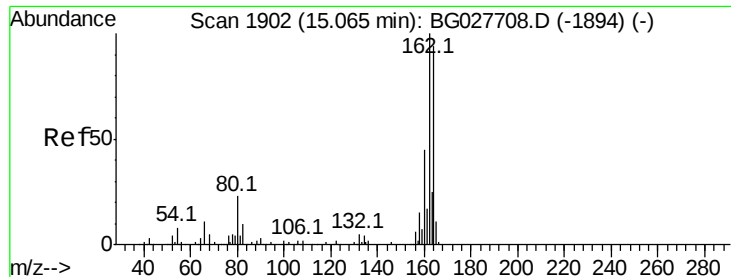
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.4  | 17.4  | 26.0  |
| 142     | 74.9  | 54.1  | 81.1  |



#37  
 2-Methylnaphthalene  
 Concen: 45.54 ng  
 RT: 12.92 min Scan# 1537  
 Delta R.T. 0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.8  | 70.4  | 105.6 |
| 115     | 36.6  | 35.5  | 53.3  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.06 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

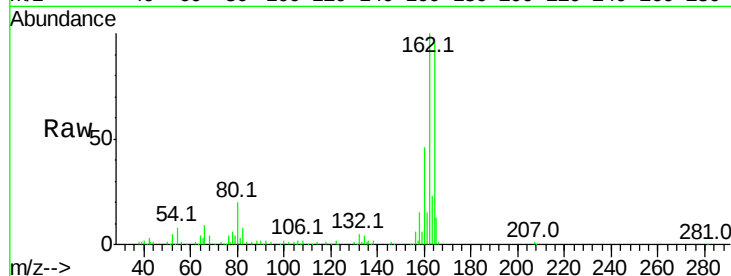
Tot Ion:164 Resp: 98900

Ion Ratio Lower Upper

164 100

162 104.6 85.1 127.7

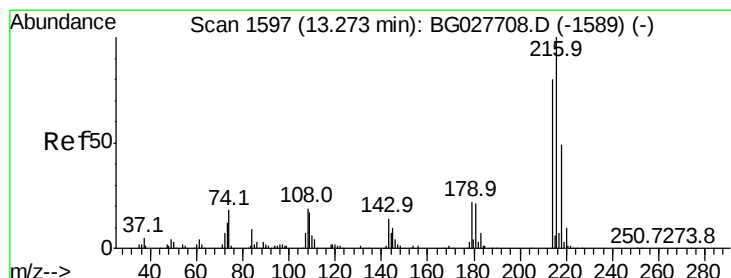
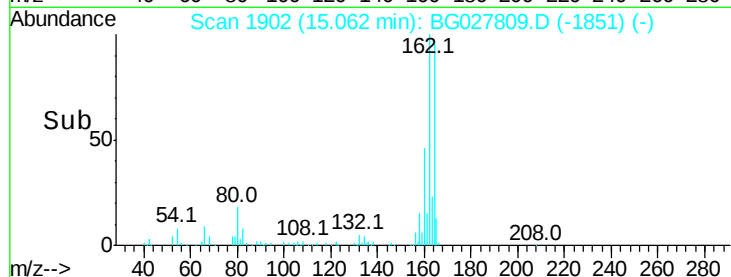
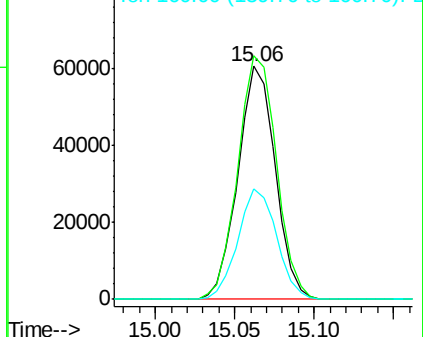
160 47.6 34.7 52.1



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: 46.72 ng

RT: 13.28 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Tgt Ion:216 Resp: 121423

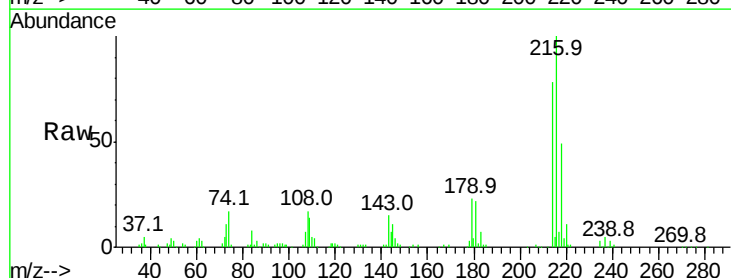
Ion Ratio Lower Upper

216 100

214 79.3 64.4 96.6

179 22.5 17.4 26.0

108 22.1 15.6 23.4

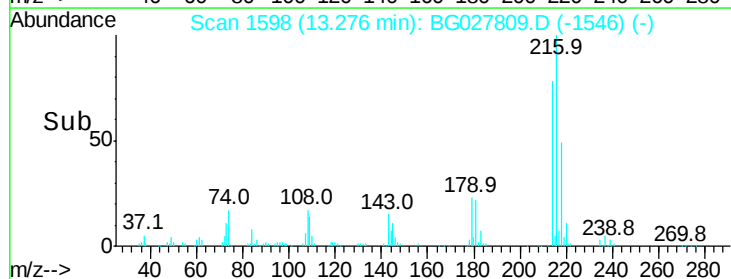
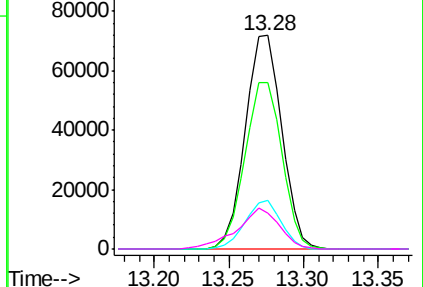


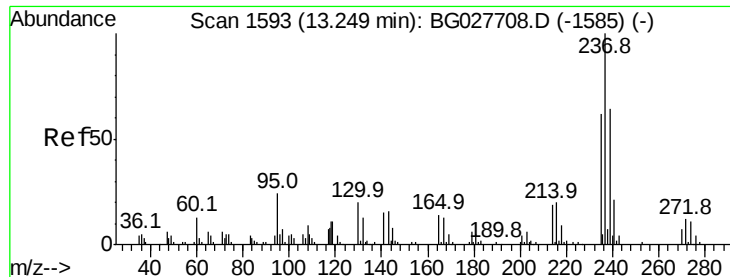
Abundance Ion 216.00 (215.70 to 216.70): E

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: 122.73 ng

RT: 13.25 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

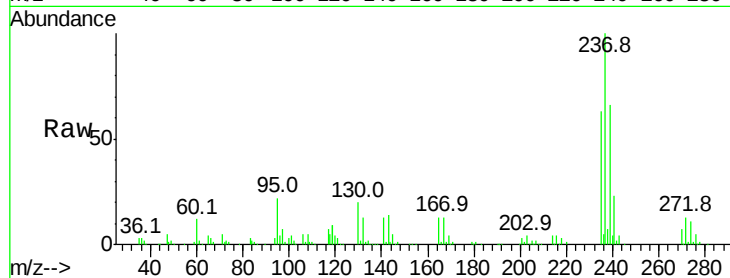
Tot Ion:237 Resp: 150387

Ion Ratio Lower Upper

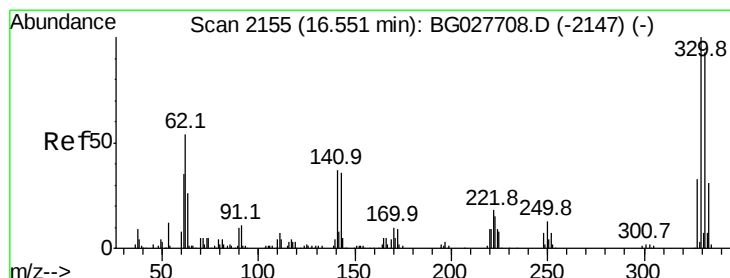
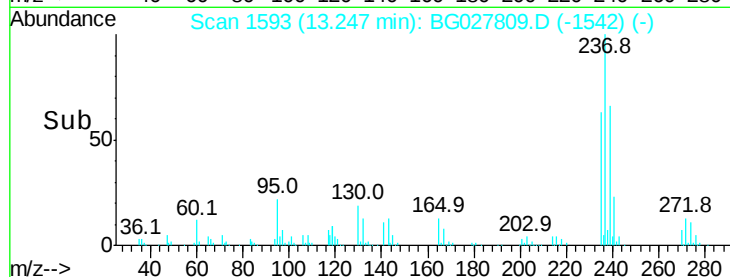
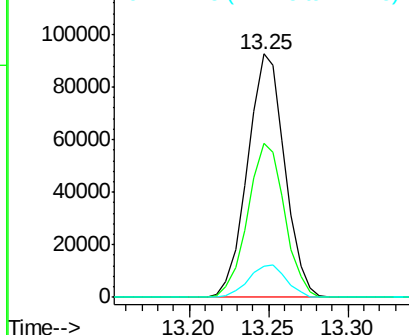
237 100

235 63.2 39.4 79.4

272 12.7 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: 174.02 ng

RT: 16.55 min Scan# 2156

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

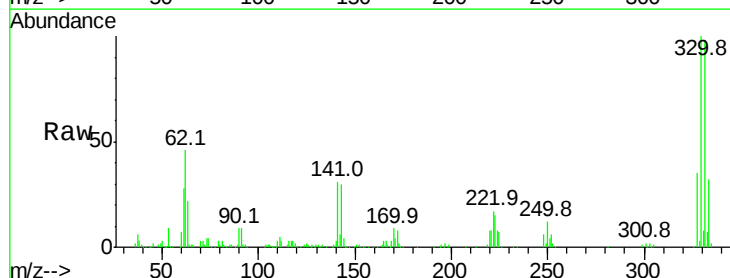
Tgt Ion:330 Resp: 236060

Ion Ratio Lower Upper

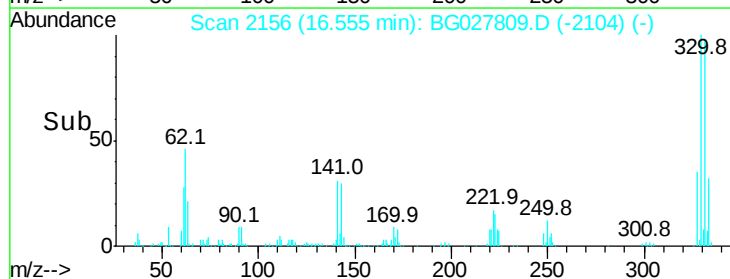
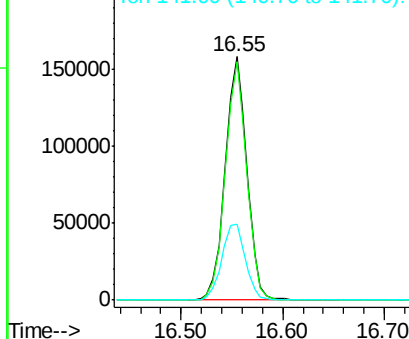
330 100

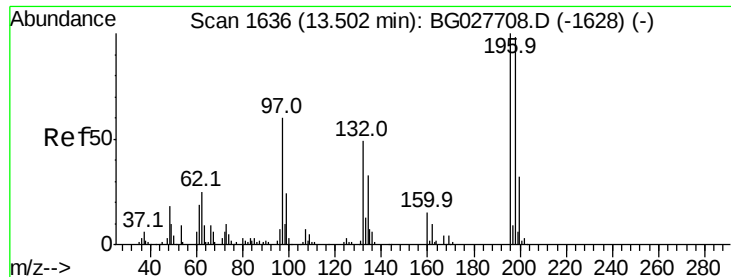
332 96.2 77.3 115.9

141 33.9 32.1 48.1



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





#42

2,4,6-Trichlorophenol

Concen: 50.42 ng

RT: 13.51 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

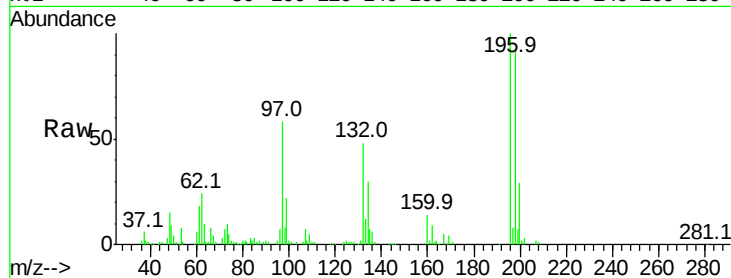
Instrument :

BNA\_G

ClientSampled :

Tot Ion:196 Resp: 94635

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 92.4  | 81.4  | 122.2 |
| 200 | 29.3  | 27.0  | 40.6  |

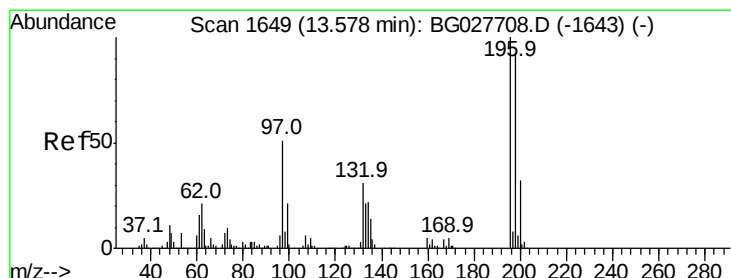
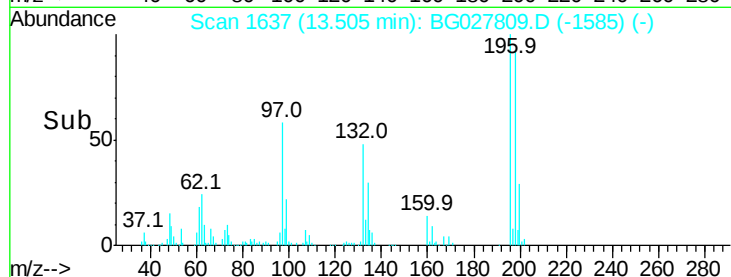
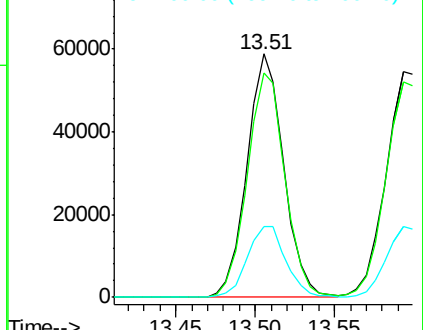


Abundance

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: 47.76 ng

RT: 13.59 min Scan# 1652

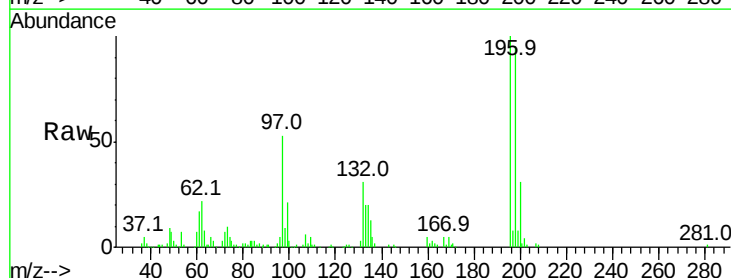
Delta R.T. 0.02 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Tgt Ion:196 Resp: 101587

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 95.3  | 79.9  | 119.9 |
| 97  | 53.4  | 45.4  | 68.0  |
| 132 | 31.4  | 20.7  | 31.1# |



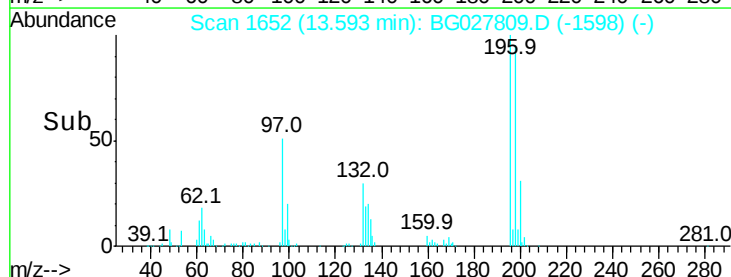
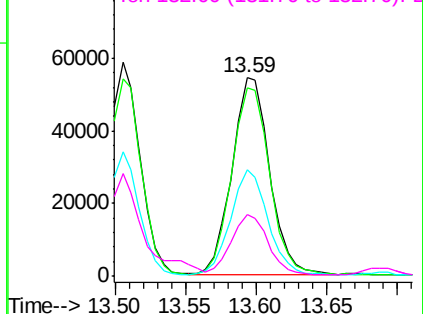
Abundance

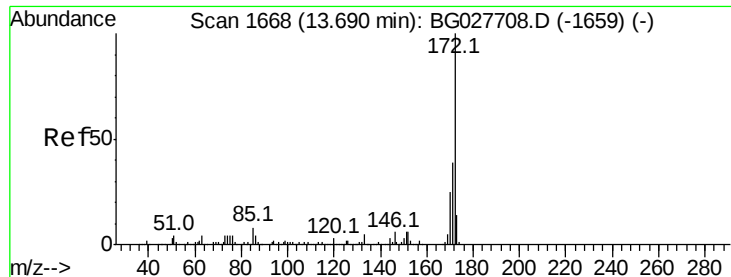
Ion 196.00 (195.70 to 196.70): E

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

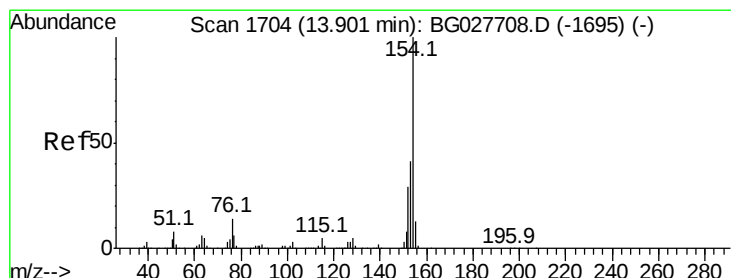
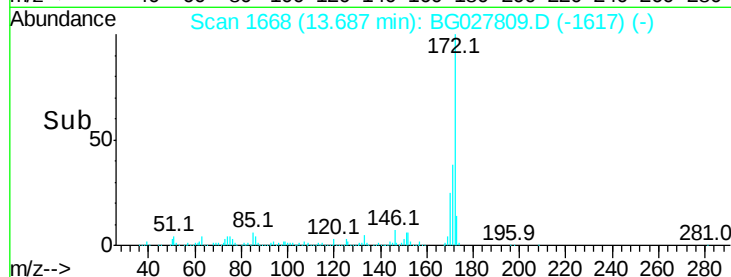
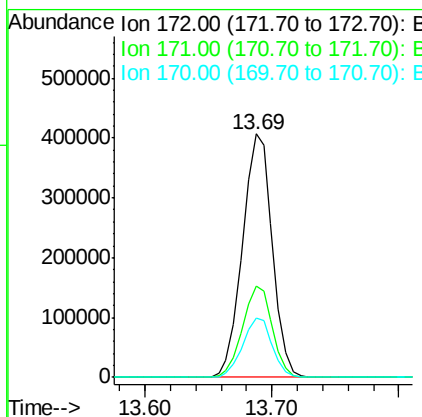
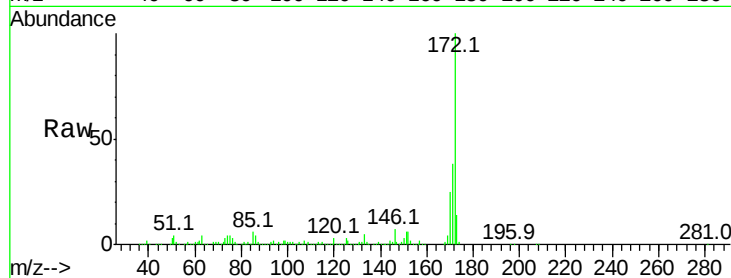




#44  
2-Fluorobiphenyl  
Concen: 95.31 ng  
RT: 13.69 min Scan# 1668  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

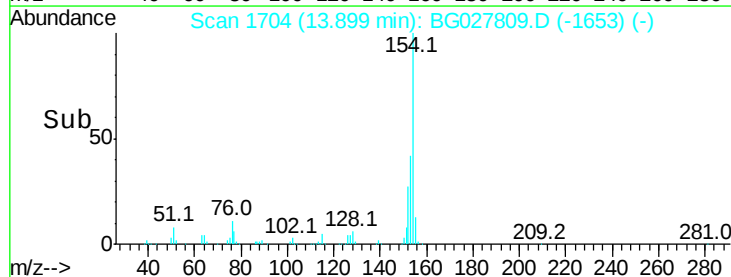
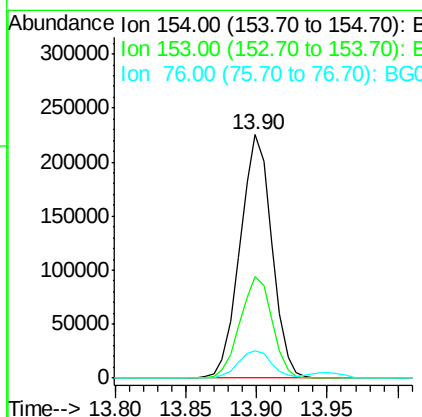
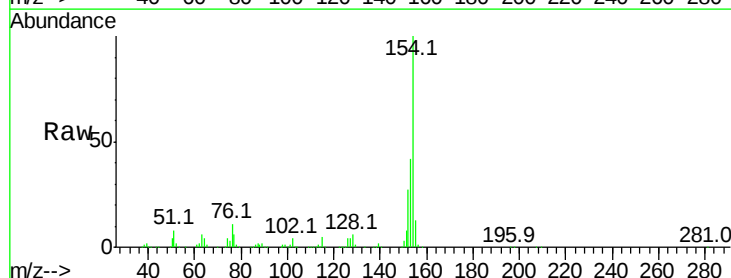
Instrument :  
BNA\_G  
ClientSampled :

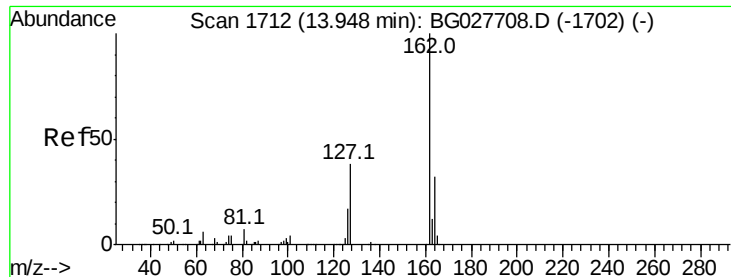
Tot Ion:172 Resp: 660018  
Ion Ratio Lower Upper  
172 100  
171 37.6 32.2 48.2  
170 24.5 21.8 32.6



#45  
1,1'-Biphenyl  
Concen: 44.71 ng  
RT: 13.90 min Scan# 1704  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:154 Resp: 354423  
Ion Ratio Lower Upper  
154 100  
153 41.7 23.0 63.0  
76 11.3 0.0 33.5

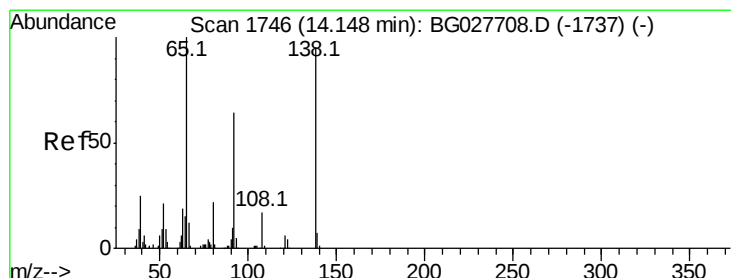
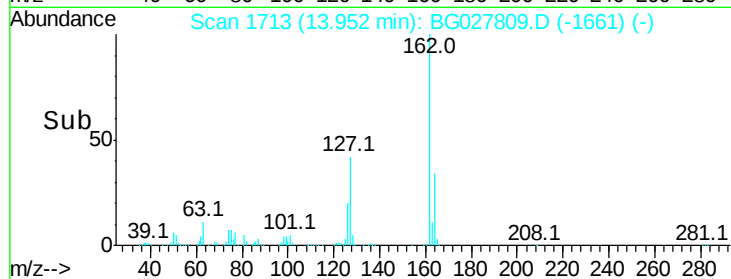
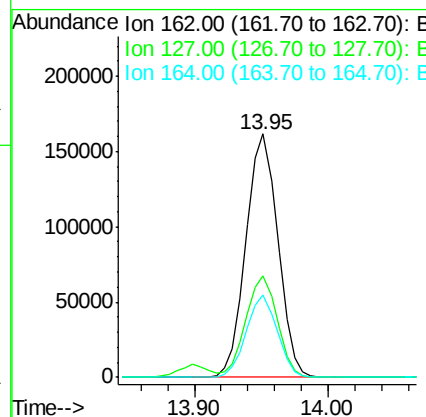
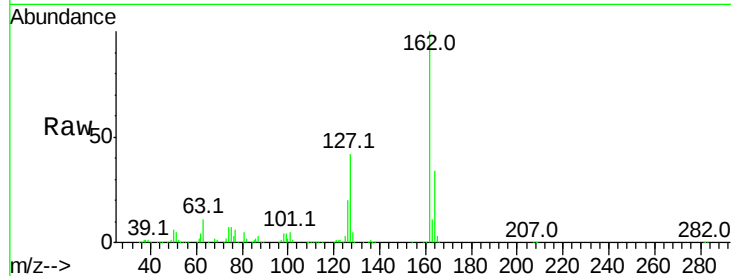




#46  
2-Chloronaphthalene  
Concen: 44.58 ng  
RT: 13.95 min Scan# 1713  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

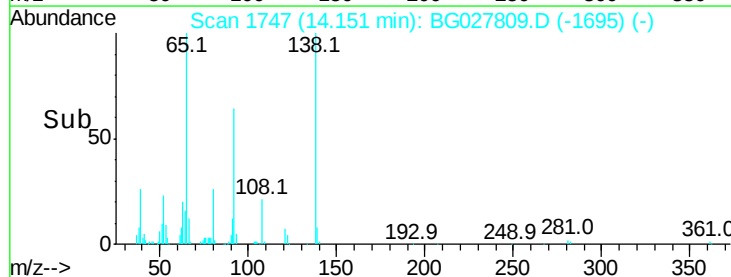
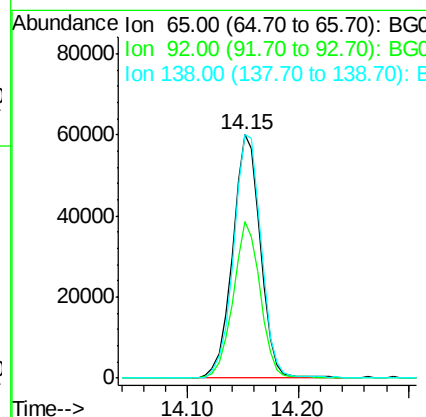
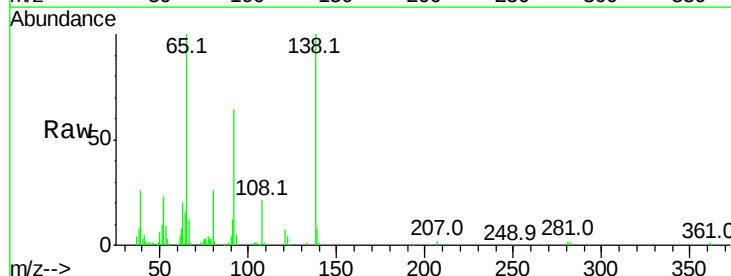
Instrument :  
BNA\_G  
ClientSampleId :

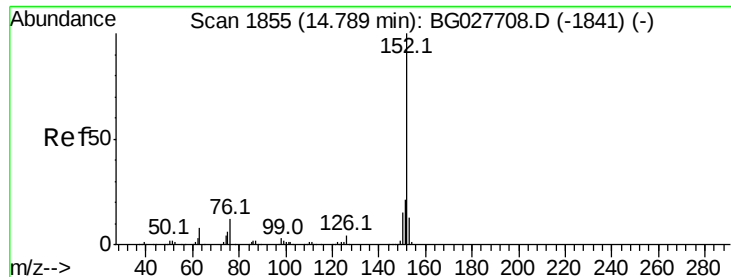
Tot Ion:162 Resp: 266971  
Ion Ratio Lower Upper  
162 100  
127 41.8 32.2 48.4  
164 33.7 27.3 40.9



#47  
2-Nitroaniline  
Concen: 44.11 ng  
RT: 14.15 min Scan# 1747  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion: 65 Resp: 105734  
Ion Ratio Lower Upper  
65 100  
92 64.5 49.0 73.4  
138 99.9 58.6 87.8#





#48

Acenaphthylene

Concen: 42.18 ng

RT: 14.79 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

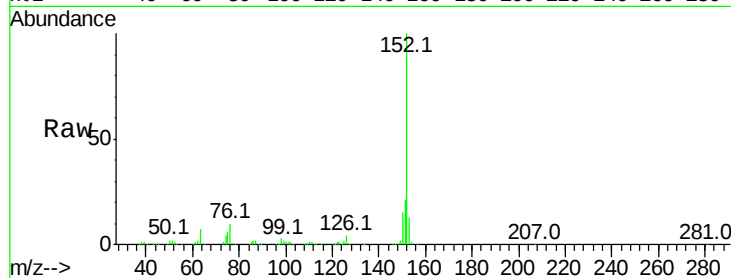
Tot Ion:152 Resp: 461521

Ion Ratio Lower Upper

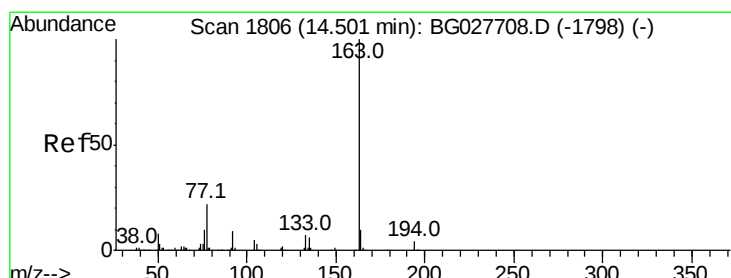
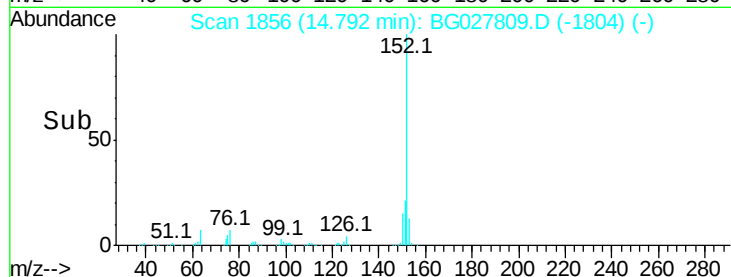
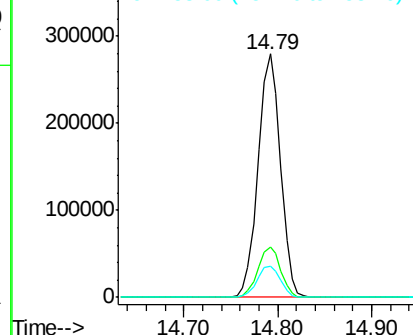
152 100

151 20.7 18.2 27.2

153 12.9 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: 45.95 ng

RT: 14.50 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

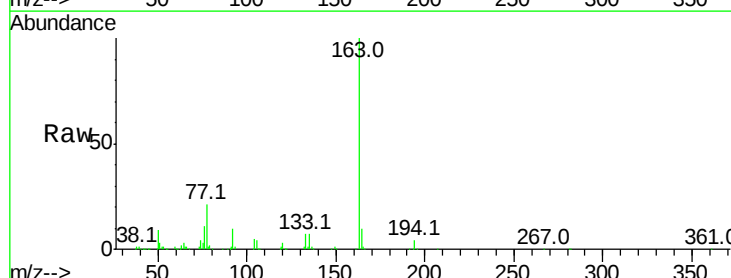
Tgt Ion:163 Resp: 387656

Ion Ratio Lower Upper

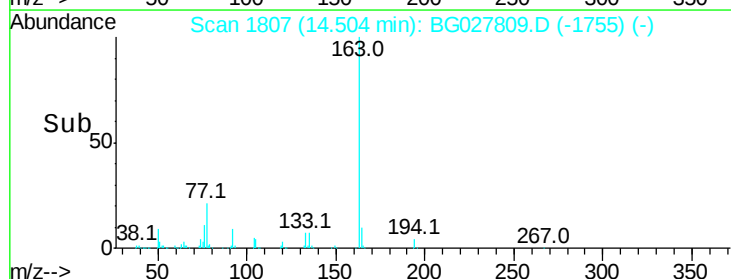
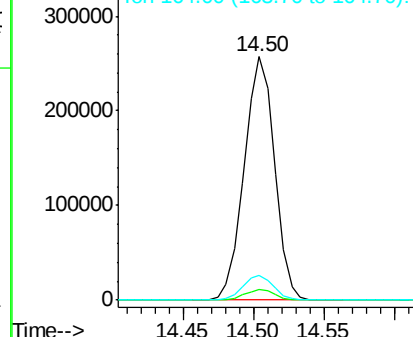
163 100

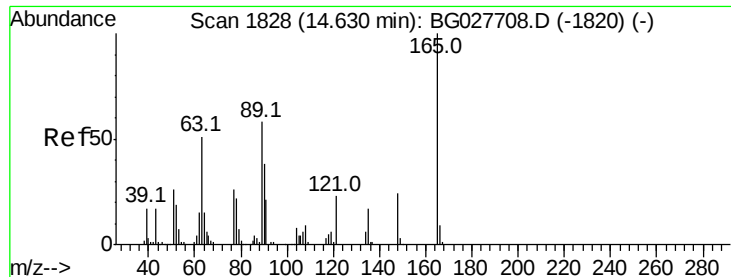
194 4.3 3.8 5.6

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

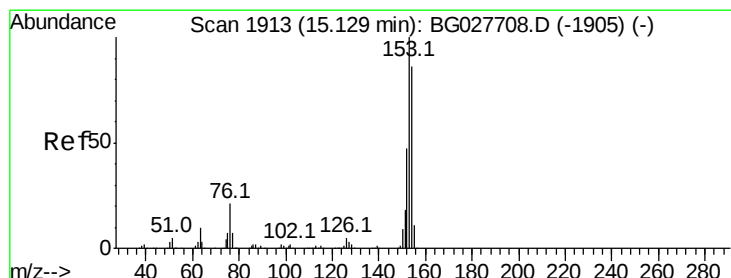
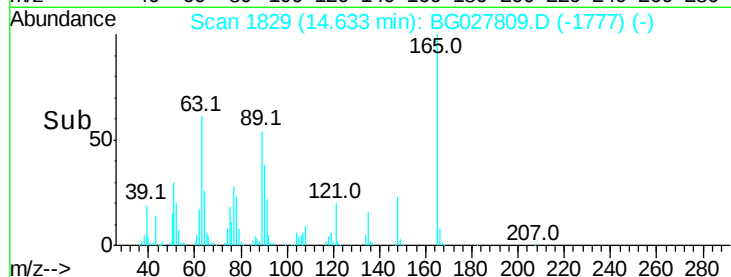
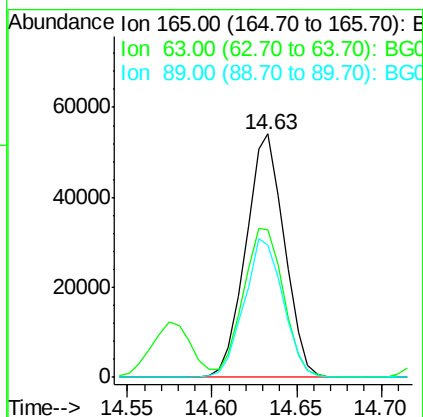
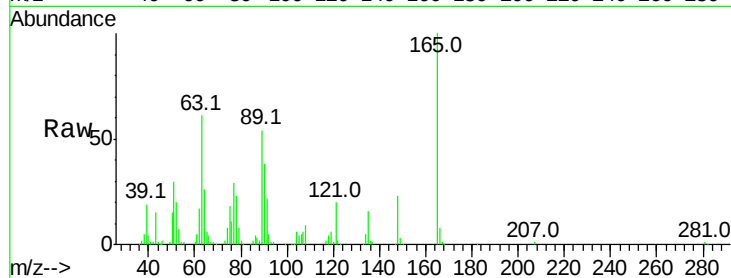




#50  
2,6-Dinitrotoluene  
Concen: 46.71 ng  
RT: 14.63 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

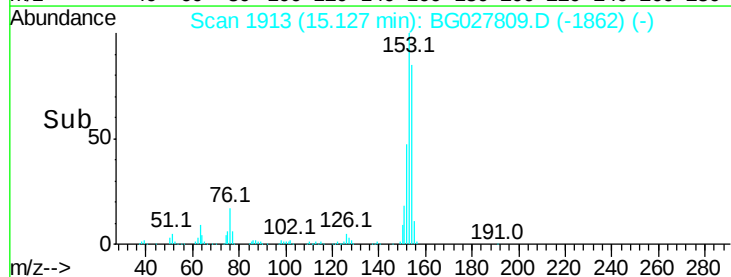
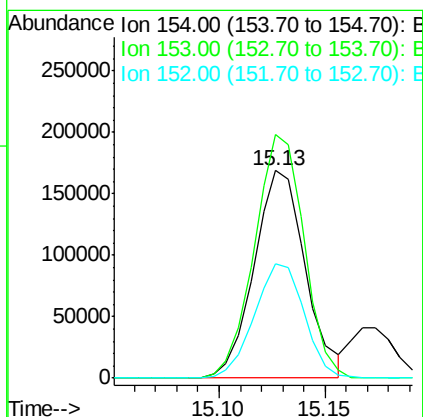
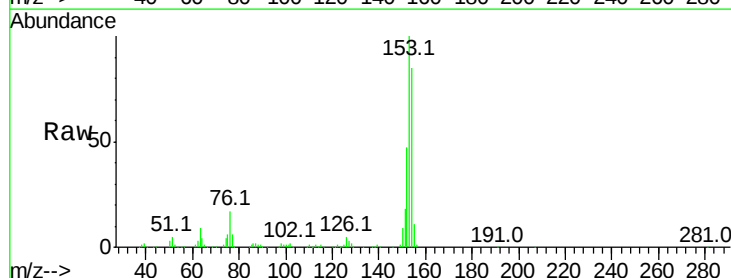
Instrument :  
BNA\_G  
ClientSampleId :

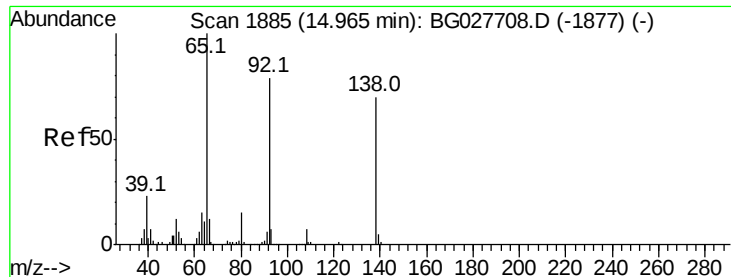
Tot Ion:165 Resp: 85669  
Ion Ratio Lower Upper  
165 100  
63 60.6 63.9 95.9#  
89 54.3 58.6 88.0#



#51  
Acenaphthene  
Concen: 40.65 ng  
RT: 15.13 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:154 Resp: 285111  
Ion Ratio Lower Upper  
154 100  
153 117.2 87.8 131.6  
152 55.3 42.2 63.4





#52

3-Nitroaniline

Concen: 23.14 ng

RT: 15.00 min Scan# 1892

Delta R.T. 0.04 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

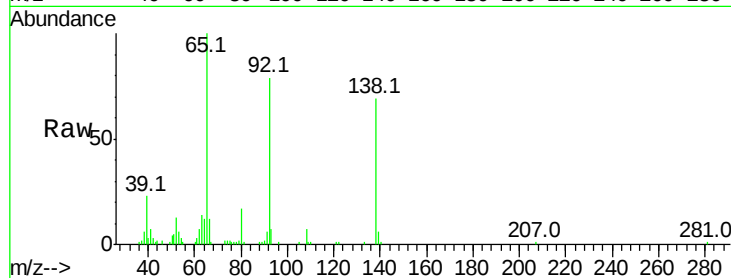
Tot Ion:138 Resp: 49921

Ion Ratio Lower Upper

138 100

108 10.2 10.9 16.3#

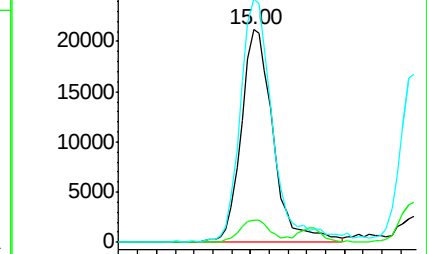
92 114.6 115.3 172.9#



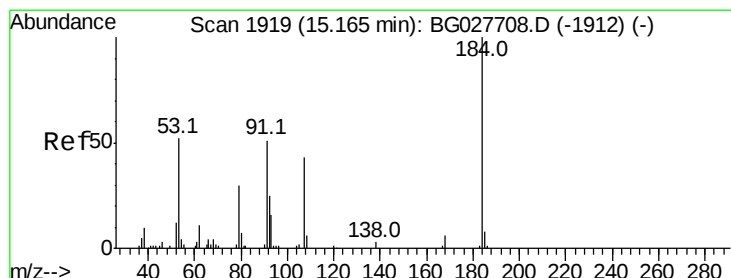
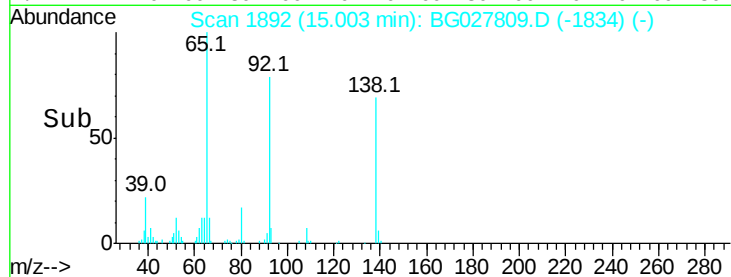
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



Time-->



#53

2,4-Dinitrophenol

Concen: 105.90 ng

RT: 15.17 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

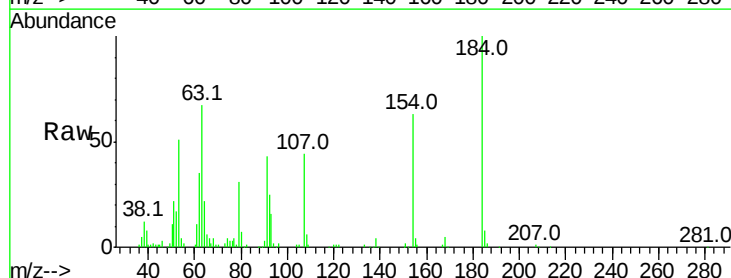
Tgt Ion:184 Resp: 109717

Ion Ratio Lower Upper

184 100

63 66.6 52.7 79.1

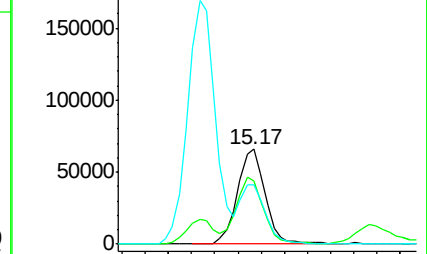
154 63.1 57.3 85.9



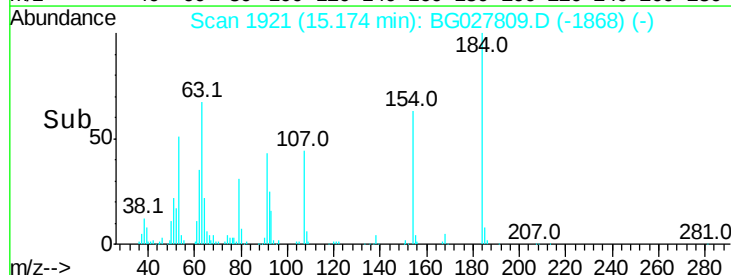
Abundance Ion 184.00 (183.70 to 184.70): E

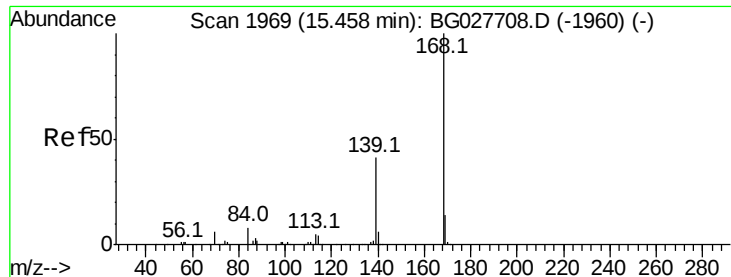
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



Time-->





#54

Dibenzofuran

Concen: 48.41 ng

RT: 15.46 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

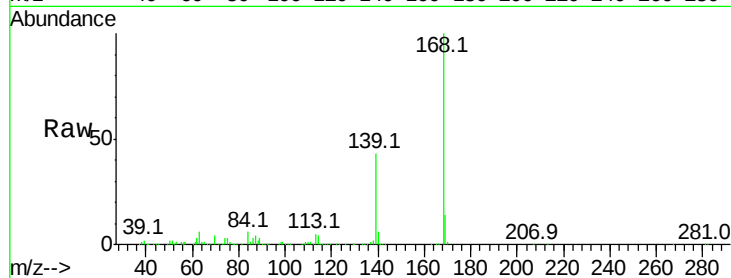
Tot Ion:168 Resp: 448942

Ion Ratio Lower Upper

168 100

139 42.8 35.3 52.9

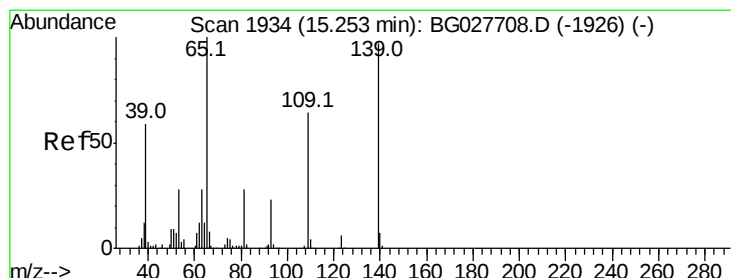
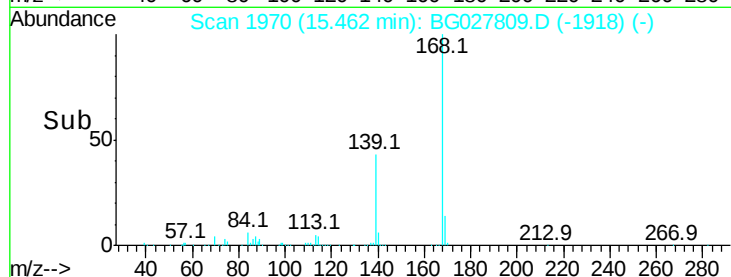
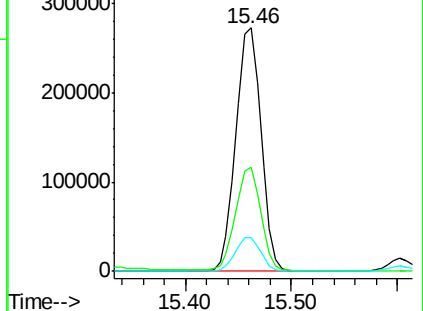
169 14.1 11.5 17.3



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: 65.52 ng

RT: 15.28 min Scan# 1939

Delta R.T. 0.03 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

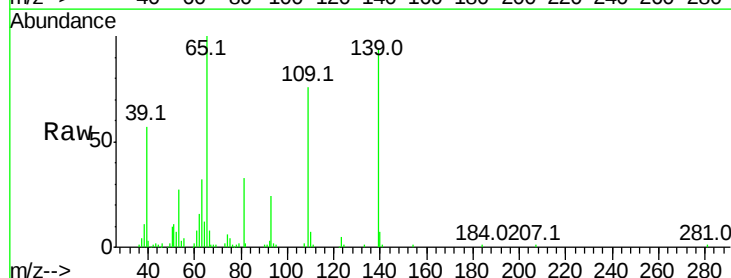
Tgt Ion:139 Resp: 107910

Ion Ratio Lower Upper

139 100

109 80.9 101.2 141.2#

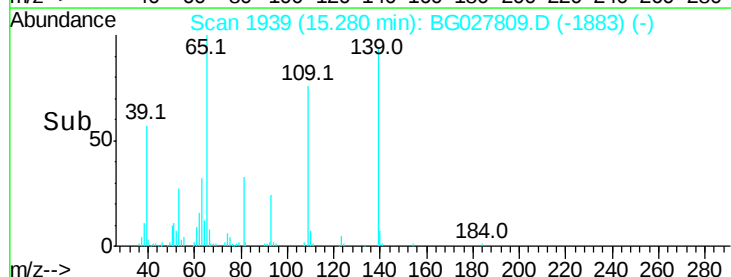
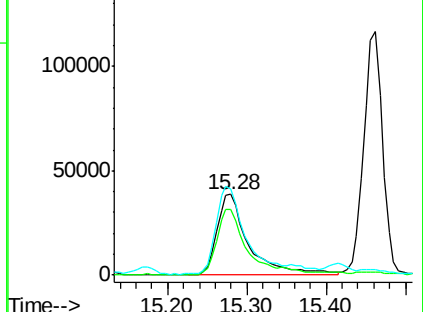
65 106.6 135.3 175.3#

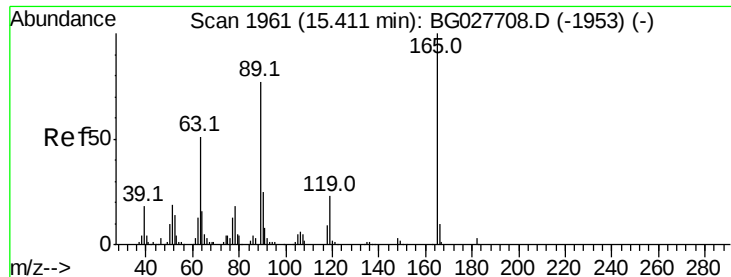


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

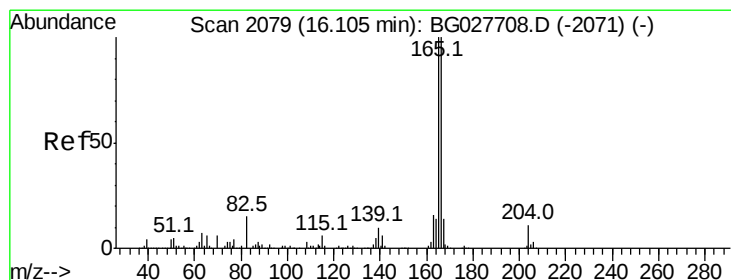
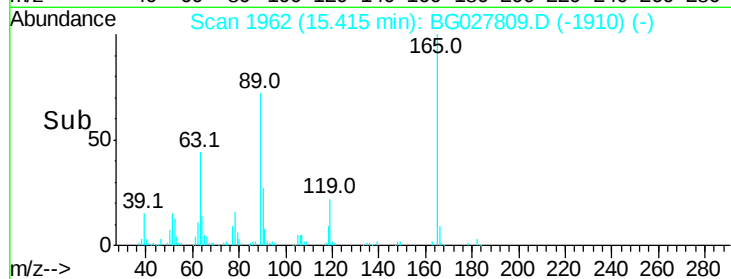
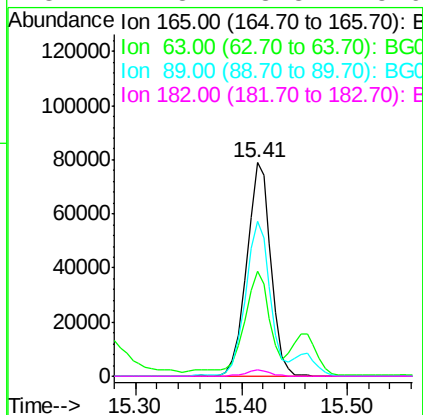
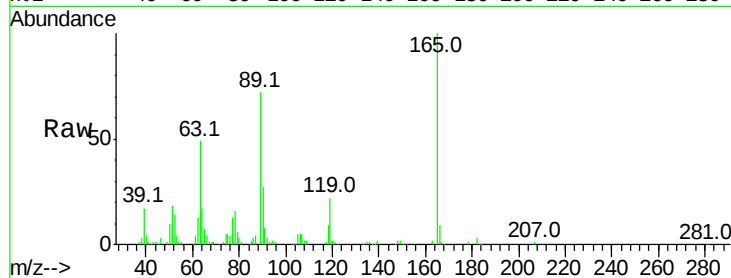




#56  
 2,4-Dinitrotoluene  
 Concen: 48.98 ng  
 RT: 15.41 min Scan# 1962  
 Delta R.T. 0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

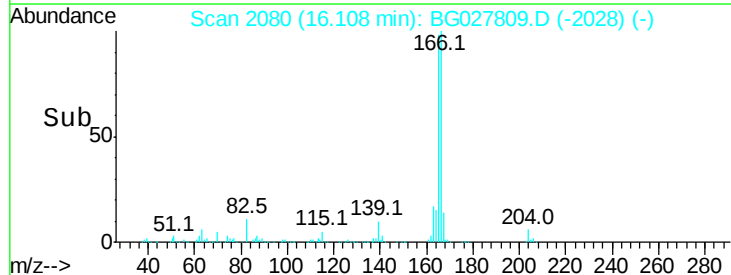
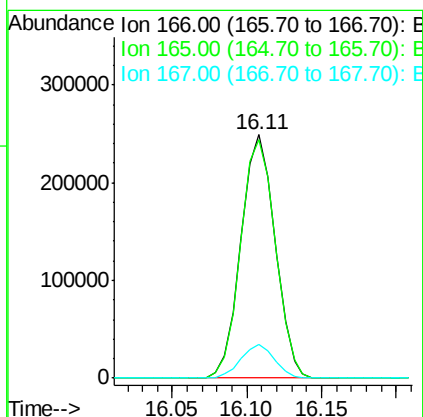
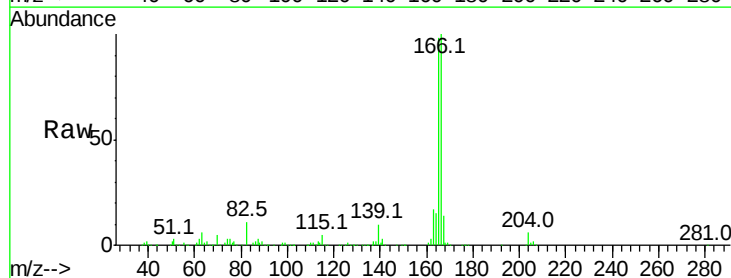
Instrument :  
 BNA\_G  
 ClientSampleId :

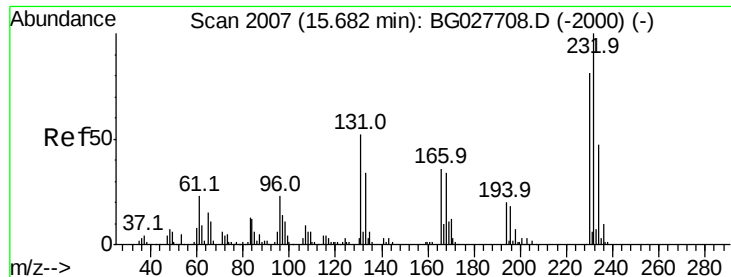
Tot Ion:165 Resp: 125294  
 Ion Ratio Lower Upper  
 165 100  
 63 49.3 44.0 66.0  
 89 72.4 67.3 100.9  
 182 2.8 3.8 5.6#



#57  
 Fluorene  
 Concen: 43.85 ng  
 RT: 16.11 min Scan# 2080  
 Delta R.T. 0.00 min  
 Lab File: BG027809.D  
 Acq: 2 Jul 2017 7:58

Tgt Ion:166 Resp: 394291  
 Ion Ratio Lower Upper  
 166 100  
 165 97.9 78.6 117.8  
 167 13.6 11.6 17.4

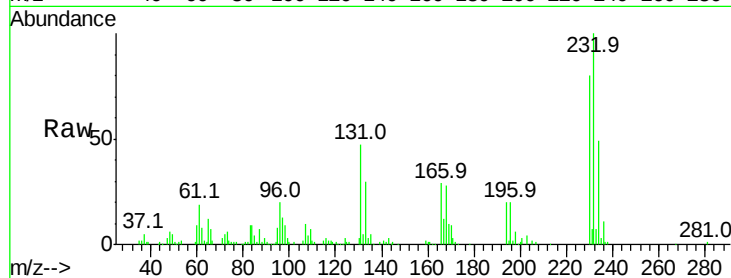




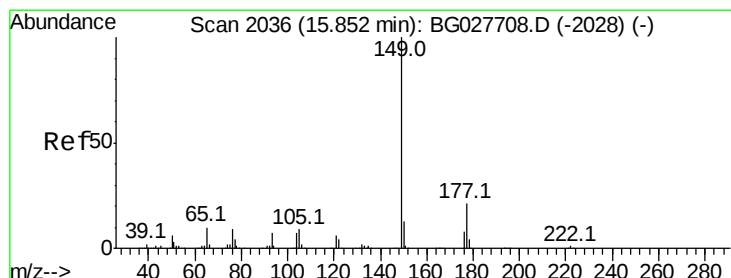
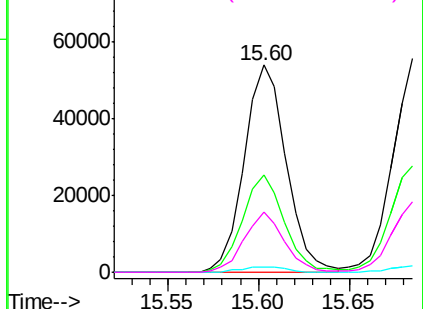
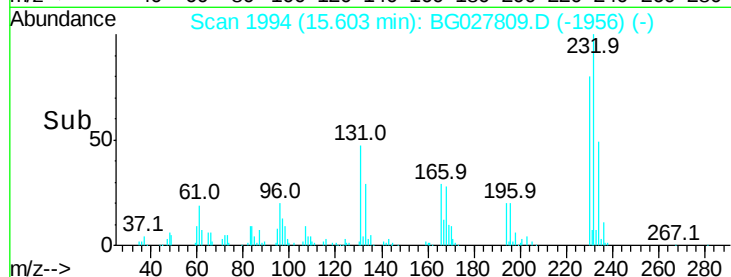
#58  
2,3,4,6-Tetrachlorophenol  
Concen: 47.33 ng  
RT: 15.60 min Scan# 1994  
Delta R.T. -0.08 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:232 Resp: 86778  
Ion Ratio Lower Upper  
232 100  
131 46.7 34.9 52.3  
130 2.9 2.3 3.5  
166 27.7 24.2 36.4

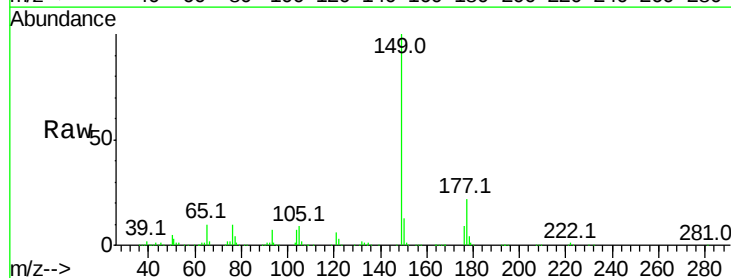


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

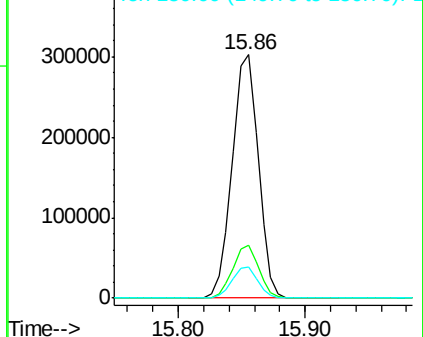
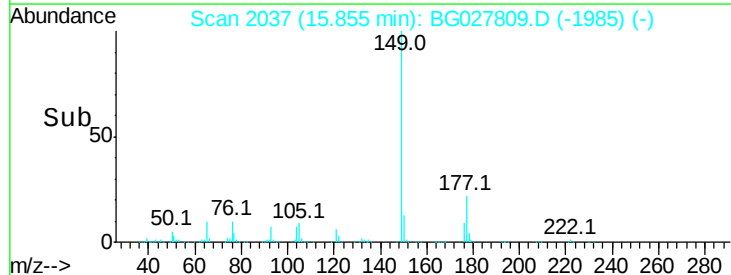


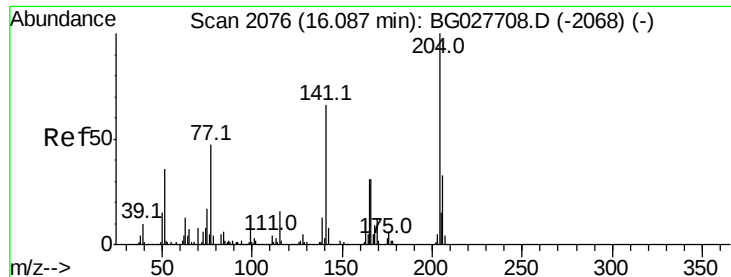
#59  
Diethylphthalate  
Concen: 46.02 ng  
RT: 15.86 min Scan# 2037  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:149 Resp: 429960  
Ion Ratio Lower Upper  
149 100  
177 21.9 20.1 30.1  
150 12.7 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

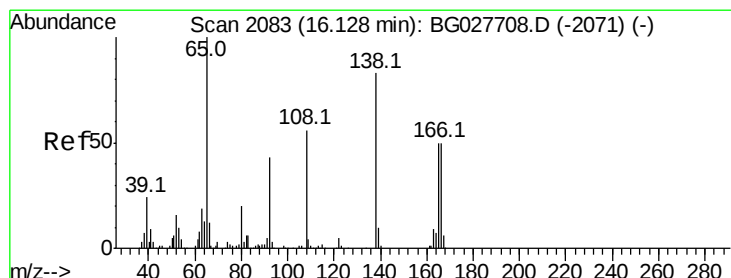
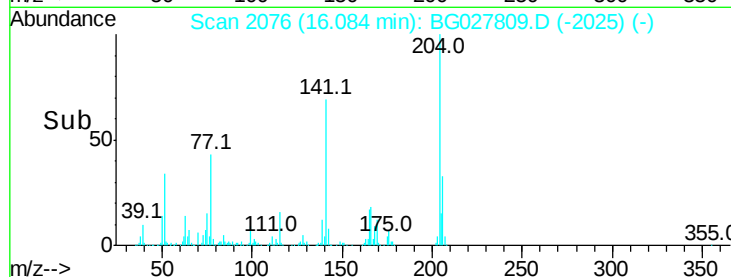
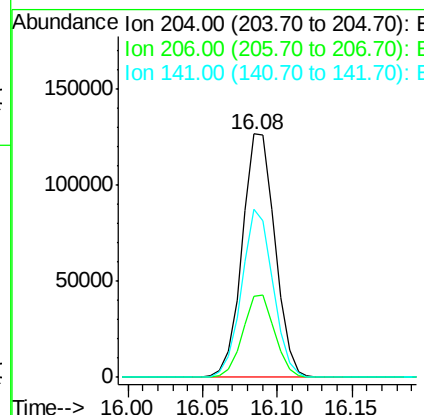
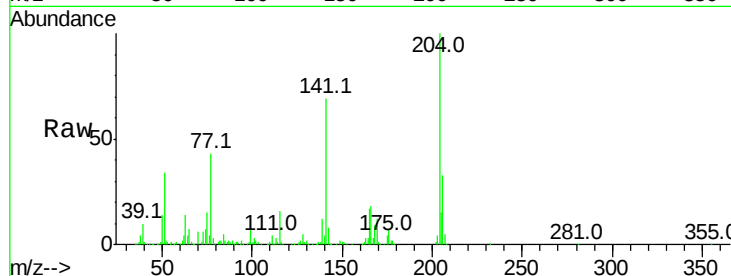




#60  
4-Chlorophenyl-phenylether  
Concen: 48.11 ng  
RT: 16.08 min Scan# 2076  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

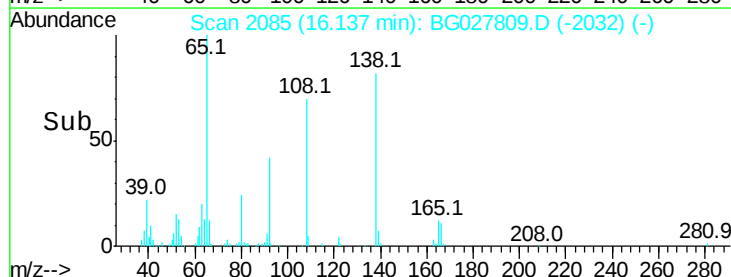
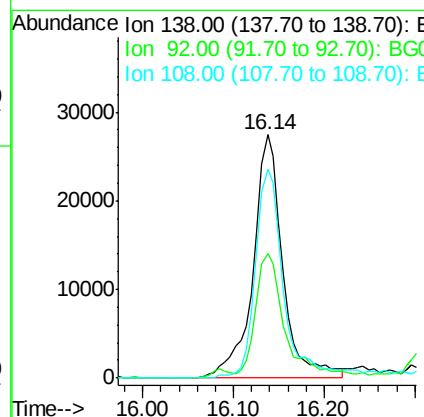
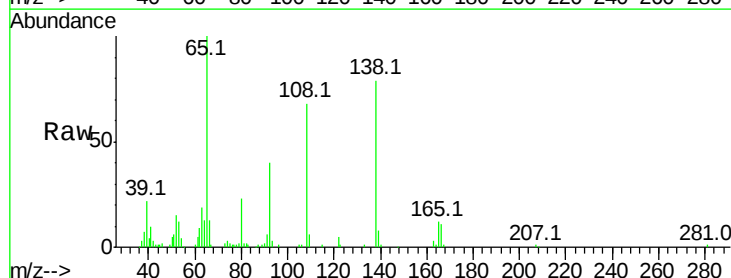
Instrument :  
BNA\_G  
ClientSampled :

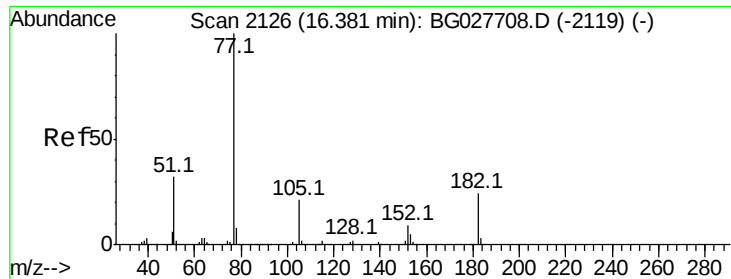
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.3  | 30.1  | 45.1  |
| 141     | 69.0  | 50.6  | 76.0  |



#61  
4-Nitroaniline  
Concen: 27.75 ng  
RT: 16.14 min Scan# 2085  
Delta R.T. 0.01 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 51.1  | 44.2  | 84.2   |
| 108     | 85.7  | 104.8 | 144.8# |

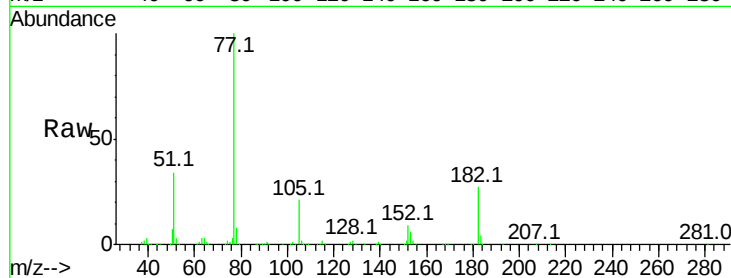




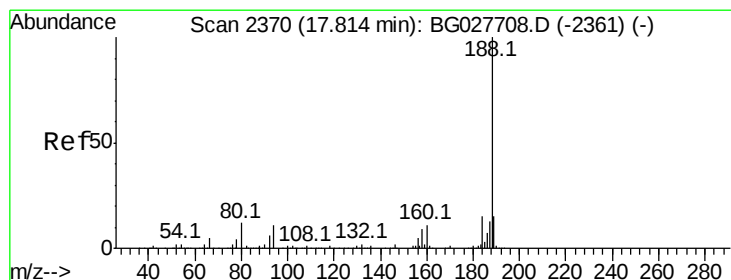
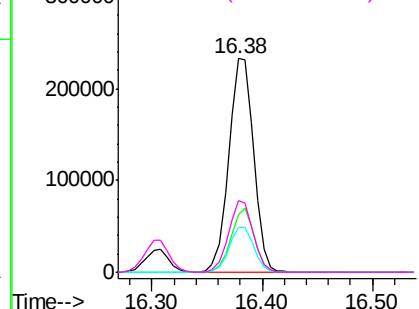
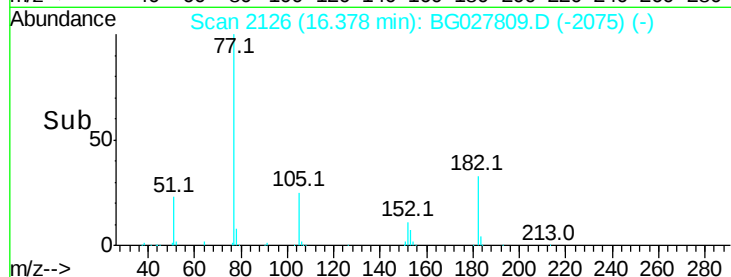
#62  
Azobenzene  
Concen: 44.49 ng  
RT: 16.38 min Scan# 2126  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 77 Resp: 365222  
Ion Ratio Lower Upper  
77 100  
182 27.2 4.7 44.7  
105 20.8 0.0 36.3  
51 33.7 16.4 56.4

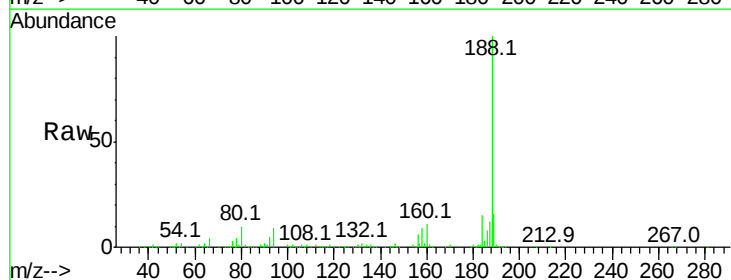


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

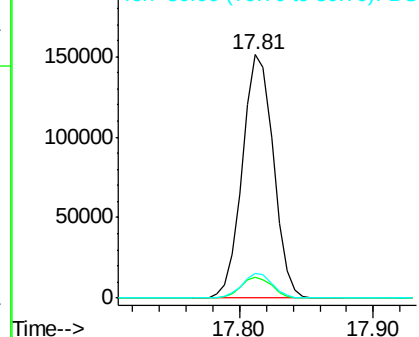
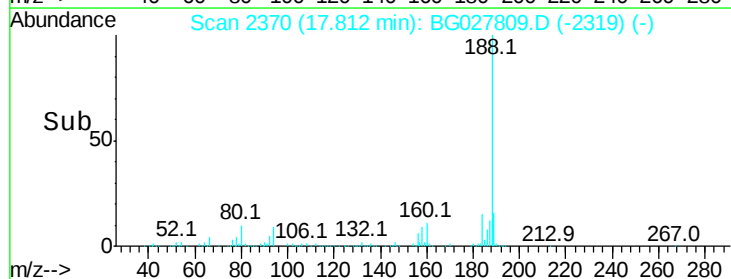


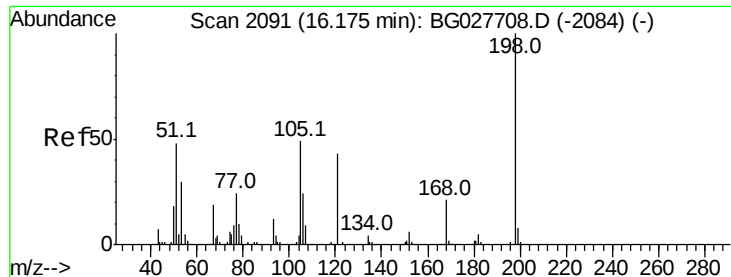
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.81 min Scan# 2370  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion: 188 Resp: 243400  
Ion Ratio Lower Upper  
188 100  
94 8.8 5.8 8.8#  
80 10.2 7.5 11.3



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





#64

4,6-Dinitro-2-methylphenol

Concen: 47.90 ng

RT: 16.18 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

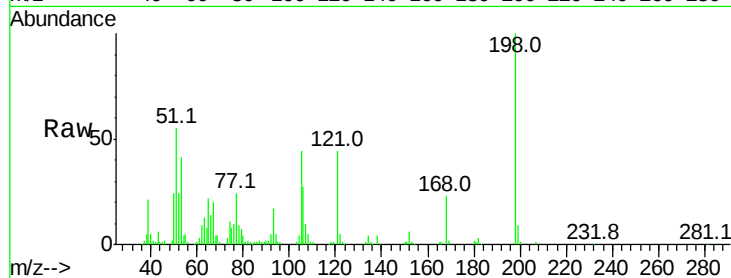
Instrument :

BNA\_G

ClientSampled :

Tot Ion:198 Resp: 72715

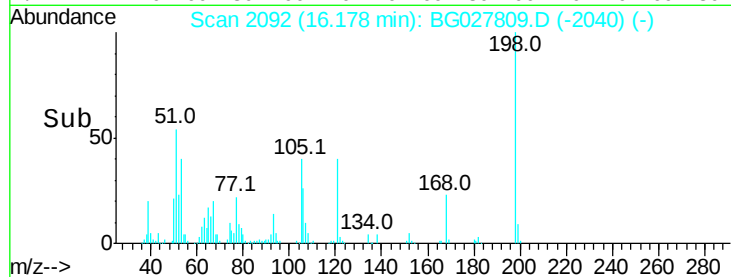
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 55.3  | 22.6  | 62.6  |
| 105 | 44.2  | 14.4  | 54.4  |



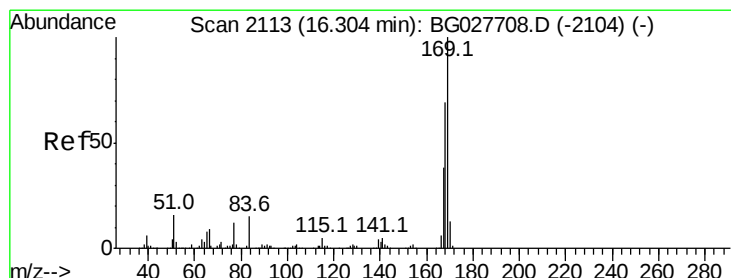
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



Time--> 16.10 16.15 16.20 16.25



#65

n-Nitrosodiphenylamine

Concen: 43.13 ng

RT: 16.31 min Scan# 2114

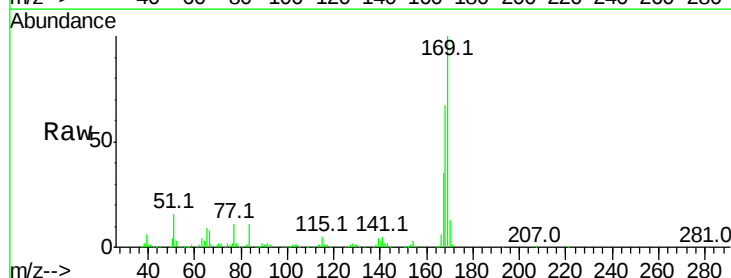
Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Tgt Ion:169 Resp: 341494

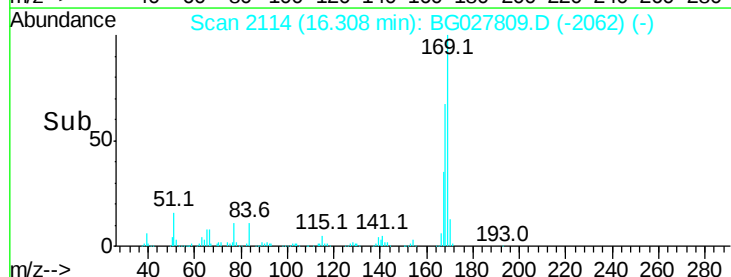
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 67.4  | 55.7  | 83.5  |
| 167 | 35.4  | 29.8  | 44.6  |



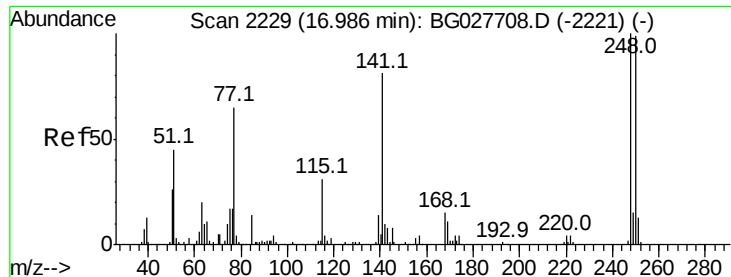
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



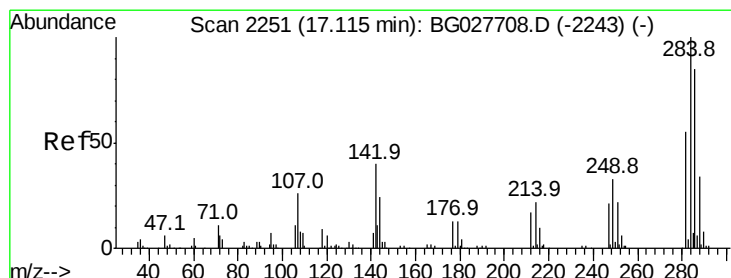
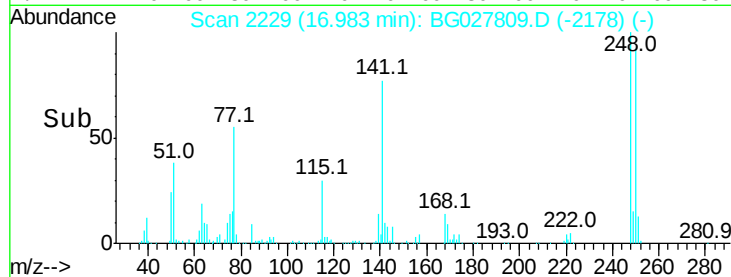
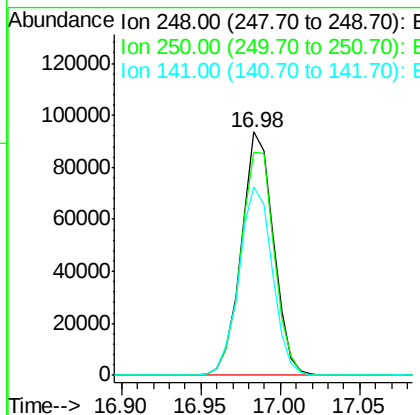
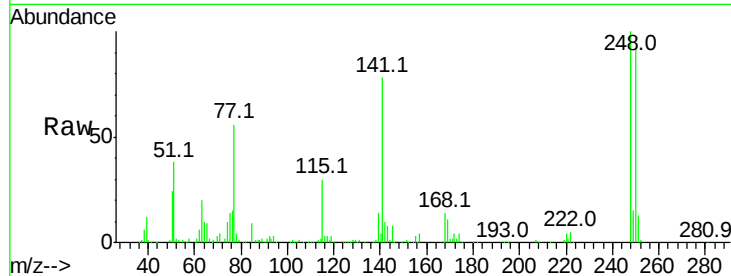
Time--> 16.20 16.30 16.40



#66  
4-Bromophenyl-phenylether  
Concen: 51.80 ng  
RT: 16.98 min Scan# 2229  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

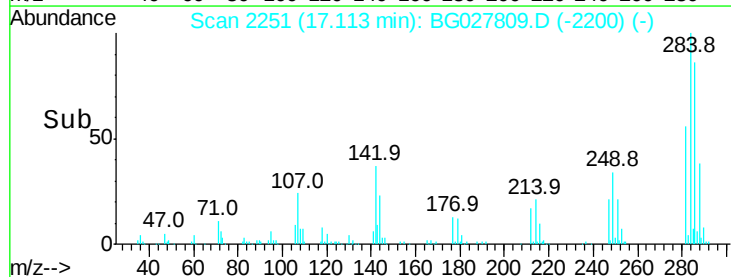
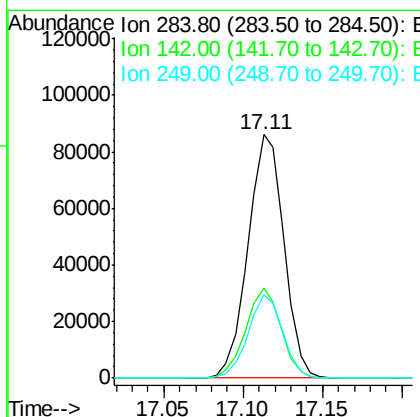
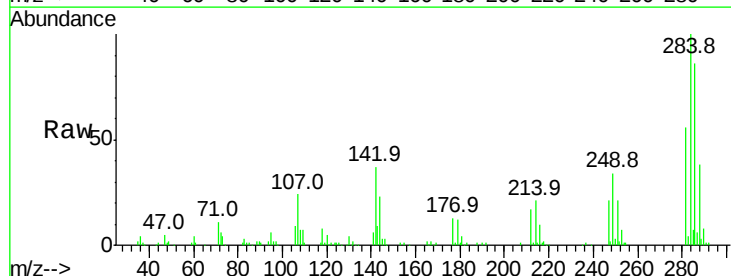
Instrument :  
BNA\_G  
ClientSampleId :

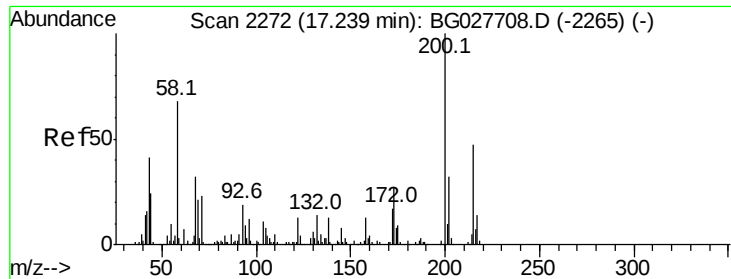
Tot Ion:248 Resp: 131876  
Ion Ratio Lower Upper  
248 100  
250 91.8 75.0 112.6  
141 77.6 55.2 82.8



#67  
Hexachlorobenzene  
Concen: 50.20 ng  
RT: 17.11 min Scan# 2251  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:284 Resp: 135345  
Ion Ratio Lower Upper  
284 100  
142 37.1 29.9 44.9  
249 34.3 29.2 43.8

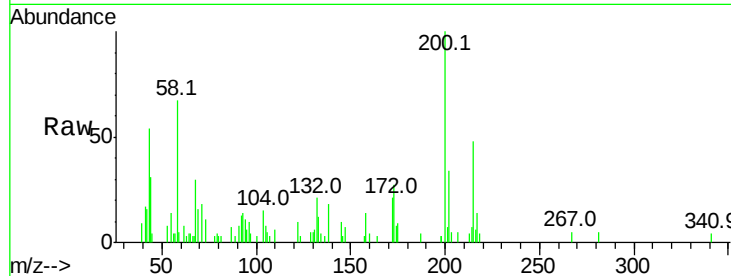




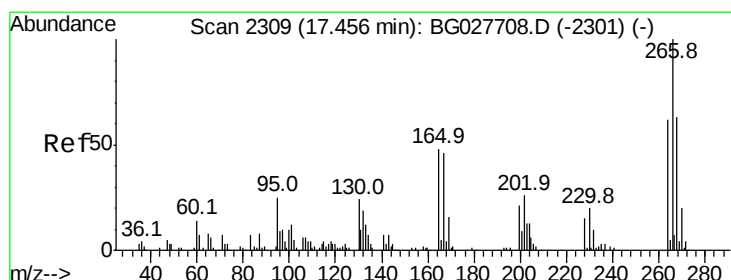
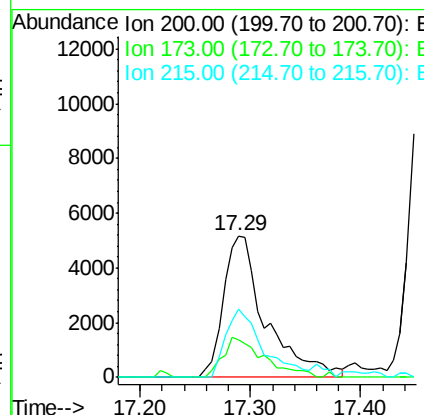
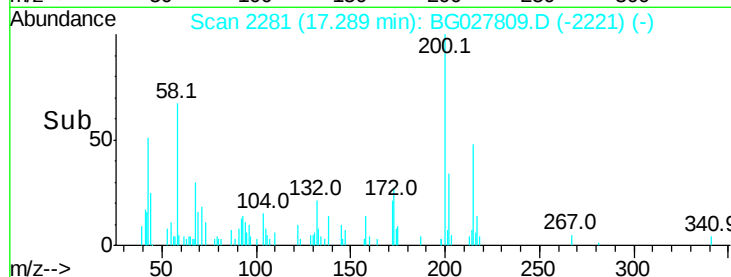
#68  
Atrazine  
Concen: 5.52 ng  
RT: 17.29 min Scan# 2281  
Delta R.T. 0.05 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.8  | 3.0   | 43.0  |
| 215     | 48.3  | 28.4  | 68.4  |

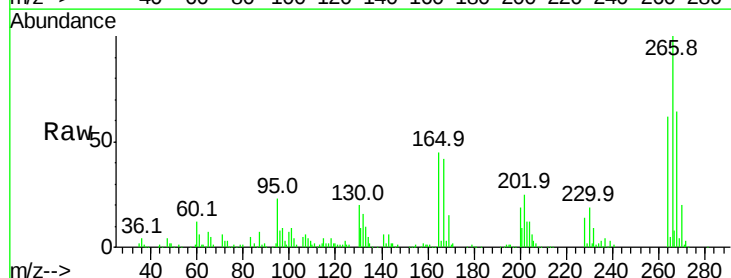


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E

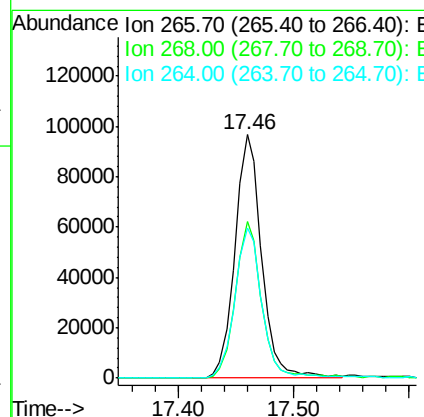
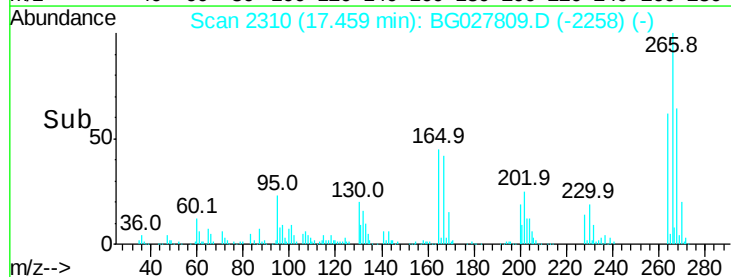


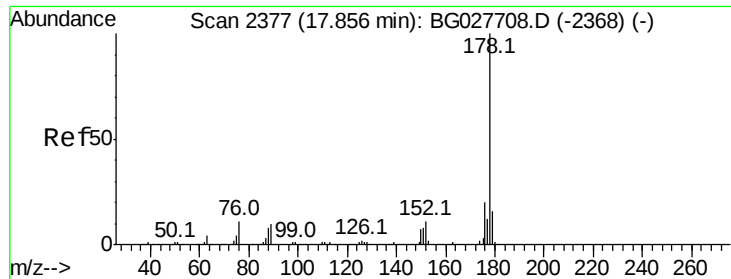
#69  
Pentachlorophenol  
Concen: 89.09 ng  
RT: 17.46 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.5  | 48.6  | 72.8  |
| 264     | 61.7  | 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

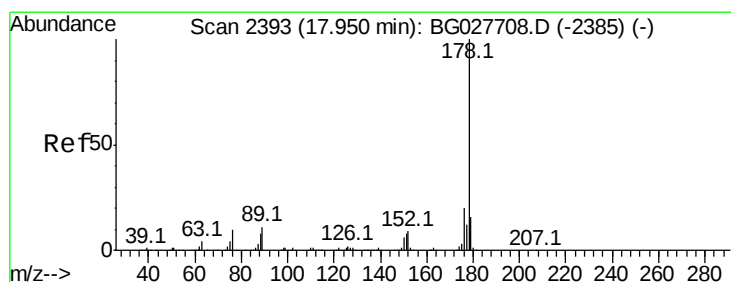
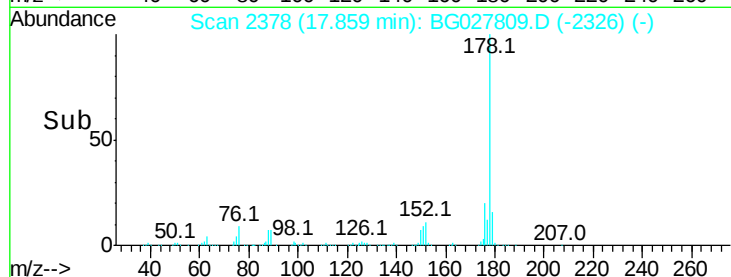
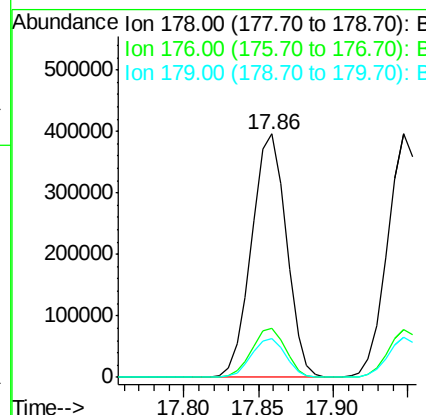
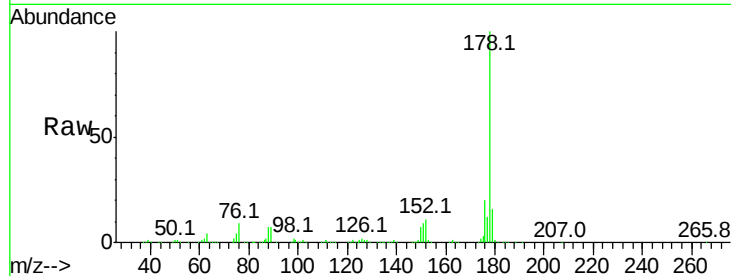




#70  
Phenanthrene  
Concen: 45.48 ng  
RT: 17.86 min Scan# 2378  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

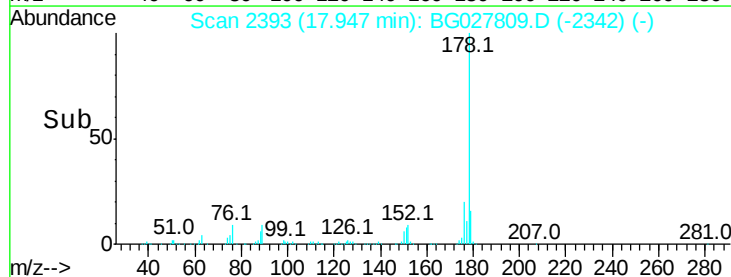
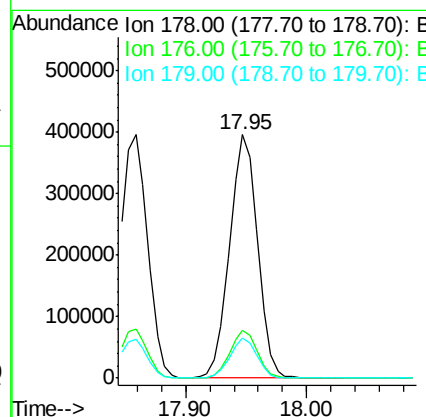
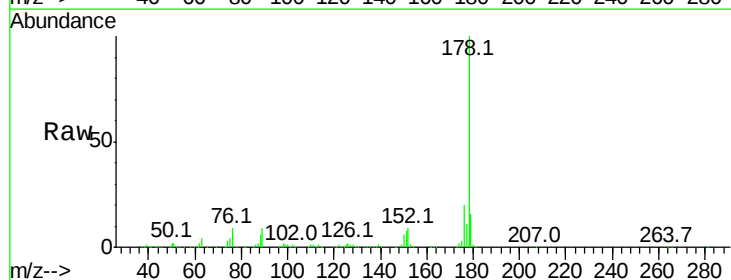
Instrument :  
BNA\_G  
ClientSampled :

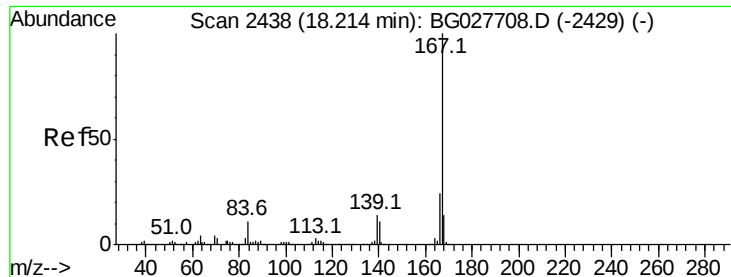
Tot Ion:178 Resp: 639002  
Ion Ratio Lower Upper  
178 100  
176 20.2 17.7 26.5  
179 16.0 15.0 22.6



#71  
Anthracene  
Concen: 44.63 ng  
RT: 17.95 min Scan# 2393  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:178 Resp: 633224  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.4 24.6  
179 16.3 13.8 20.8





#72

Carbazole

Concen: 36.97 ng

RT: 18.22 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

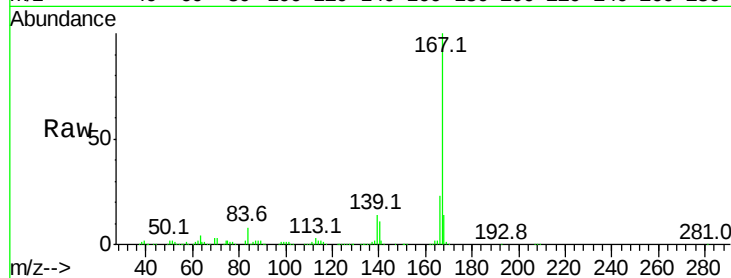
Tot Ion:167 Resp: 516687

Ion Ratio Lower Upper

167 100

166 23.0 20.2 30.2

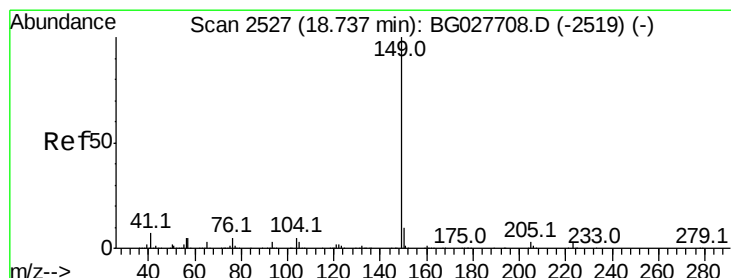
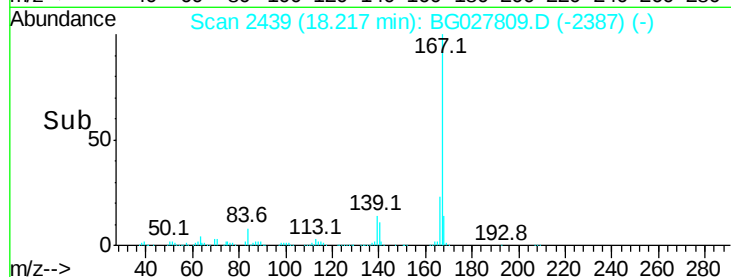
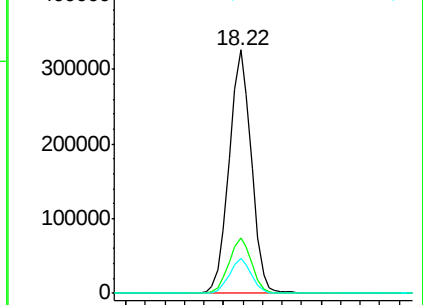
139 14.4 12.8 19.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 46.40 ng

RT: 18.73 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

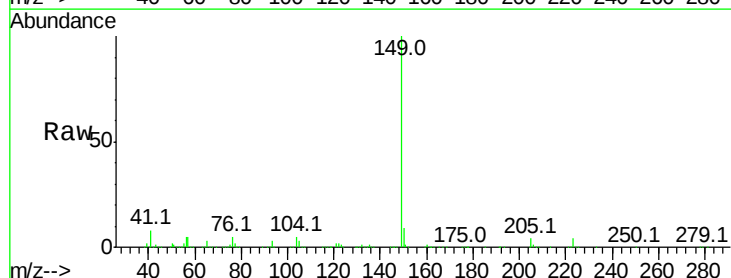
Tgt Ion:149 Resp: 712518

Ion Ratio Lower Upper

149 100

150 9.5 9.1 13.7

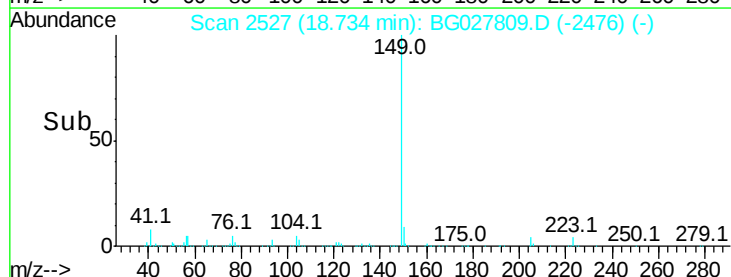
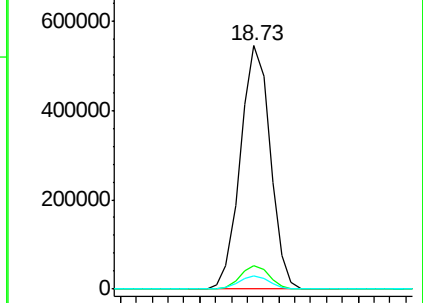
104 5.3 6.7 10.1#

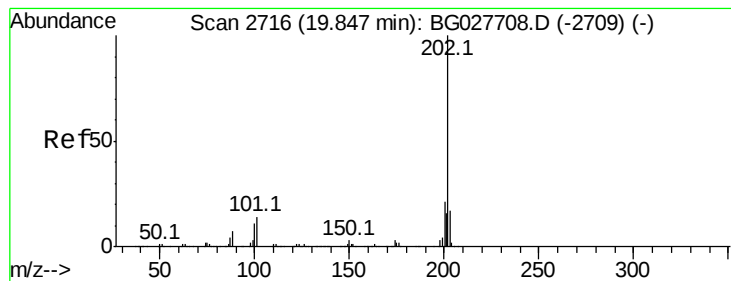


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 45.22 ng

RT: 19.85 min Scan# 2717

Delta R.T. 0.00 min

Lab File: BG027809.D

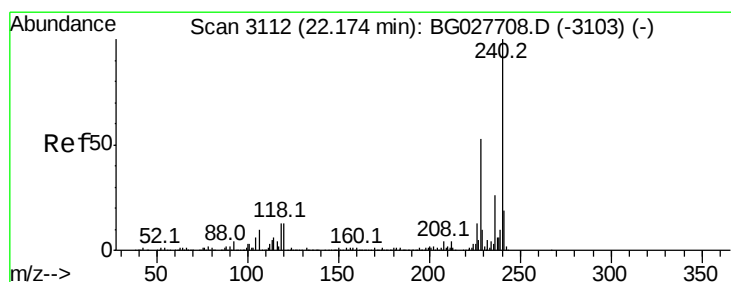
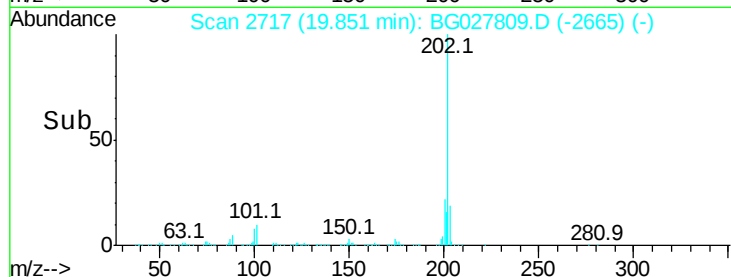
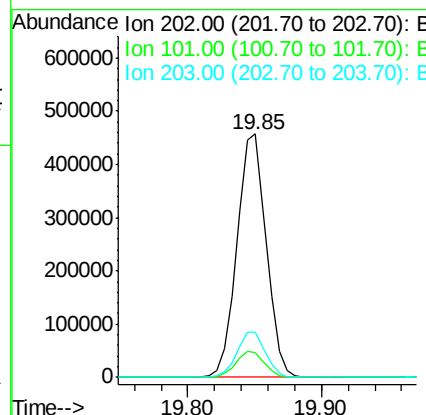
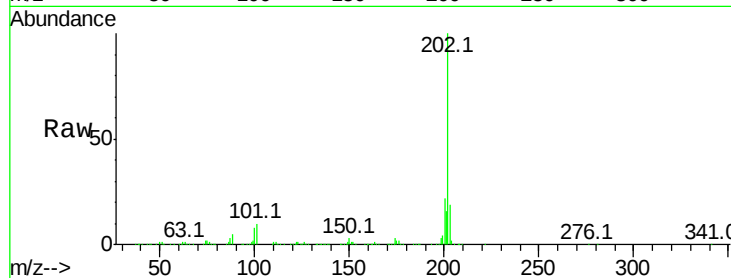
Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 694427 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.1  | 0.0   | 30.1   |
| 203      | 18.7  | 1.3   | 41.3   |



#75

Chrysene-d12

Concen: 20.00 ng

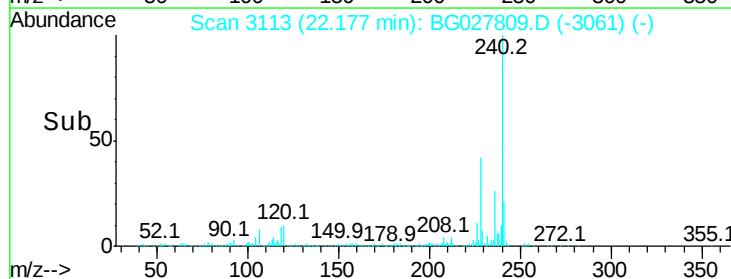
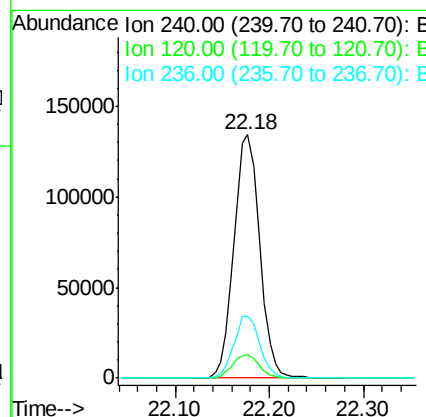
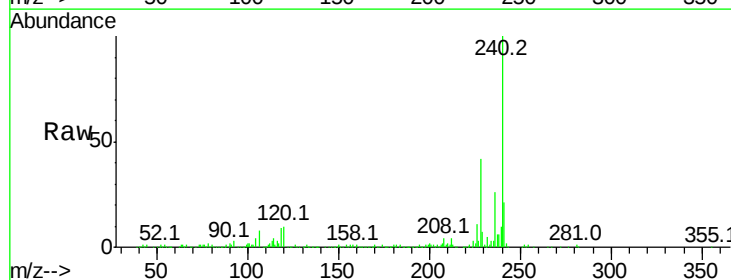
RT: 22.18 min Scan# 3113

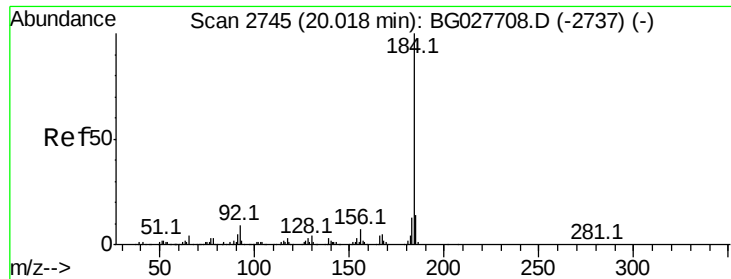
Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 256143 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 9.8   | 5.7   | 8.5#   |
| 236      | 25.5  | 22.2  | 33.4   |





#76

Benzidine

Concen: 3.23 ng

RT: 19.85 min Scan# 2717

Delta R.T. -0.17 min

Lab File: BG027809.D

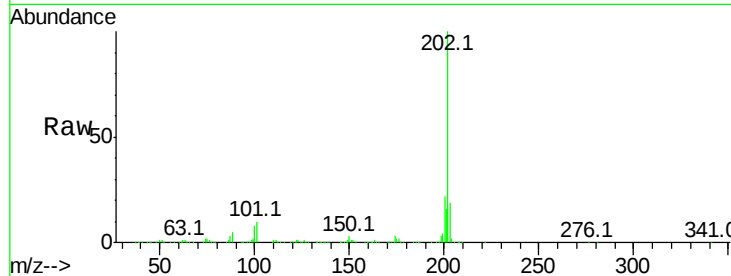
Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

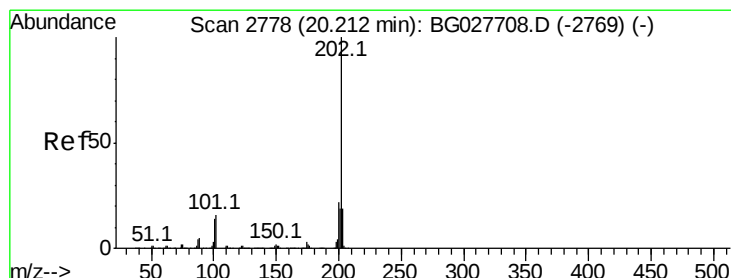
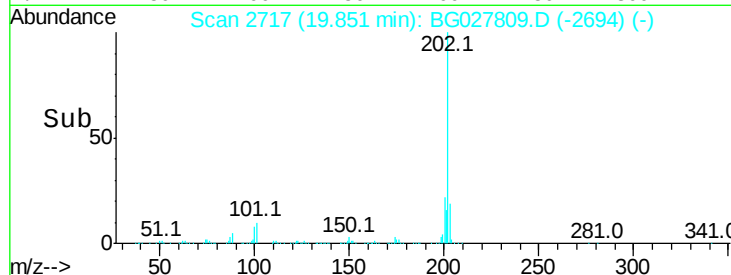
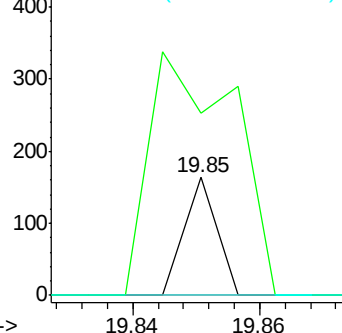
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 184   | Resp: | 58    |
| Ion      | Ratio | Lower | Upper |
| 184      | 100   |       |       |
| 185      | 153.7 | 13.0  | 19.6# |
| 183      | 0.0   | 11.0  | 16.6# |



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 44.80 ng

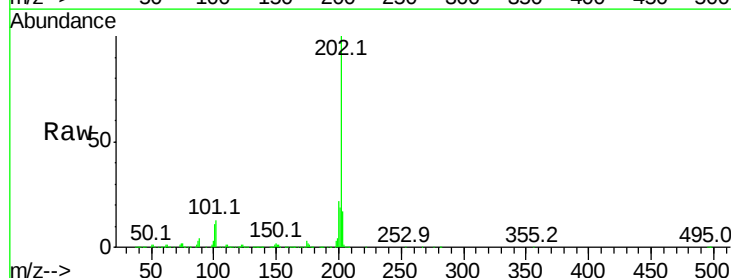
RT: 20.21 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

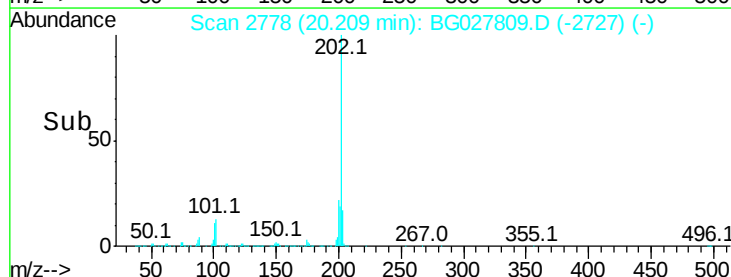
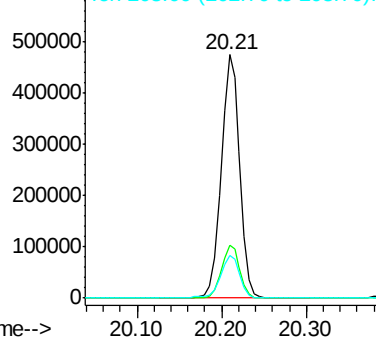
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 720145 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 21.7  | 19.6  | 29.4   |
| 203      | 17.3  | 15.8  | 23.8   |

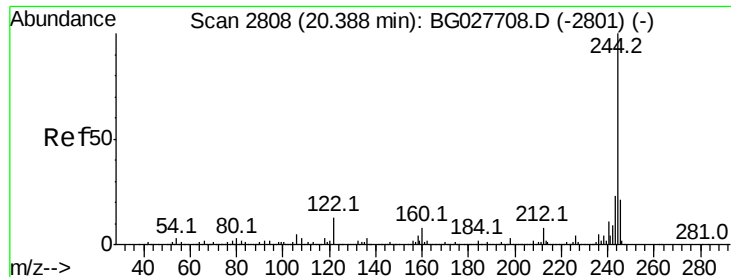


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 102.00 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

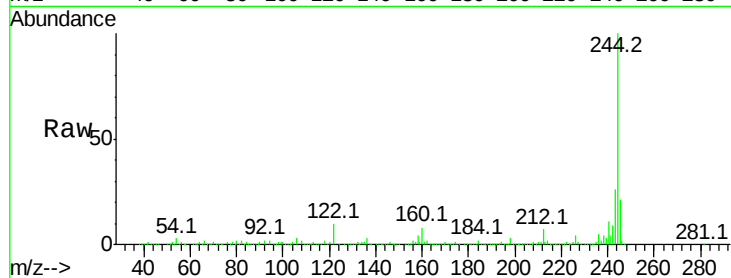
Tot Ion:244 Resp: 1114397

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

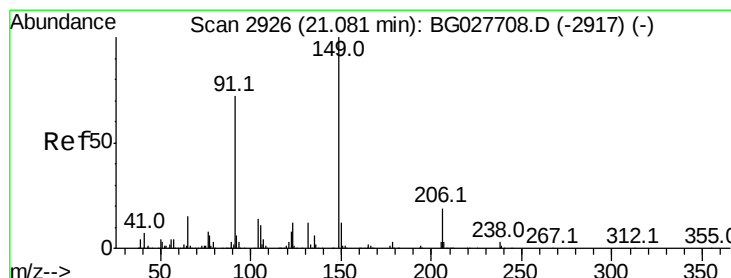
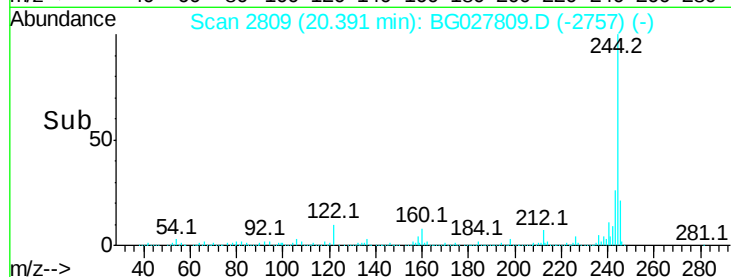
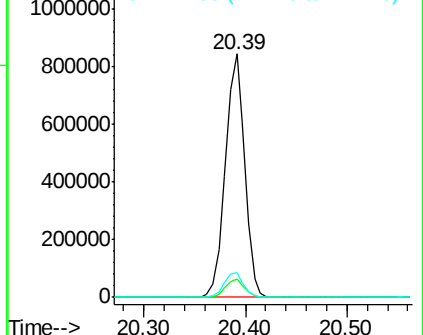
122 10.2 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 44.53 ng

RT: 21.08 min Scan# 2926

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

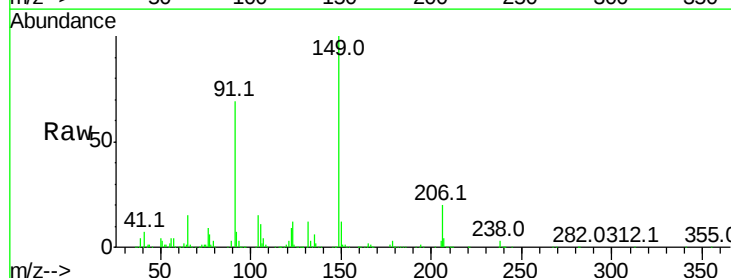
Tgt Ion:149 Resp: 322416

Ion Ratio Lower Upper

149 100

91 69.1 63.5 95.3

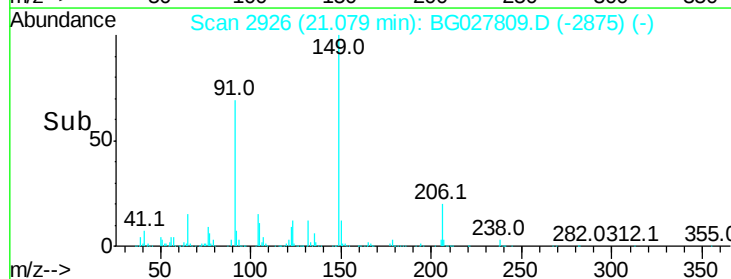
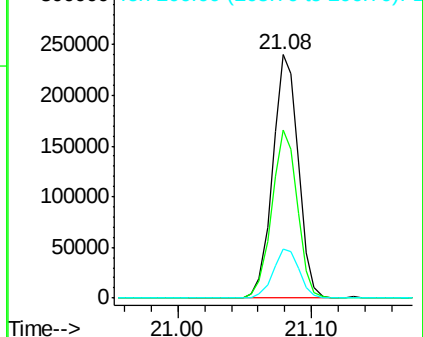
206 20.0 21.0 31.6#

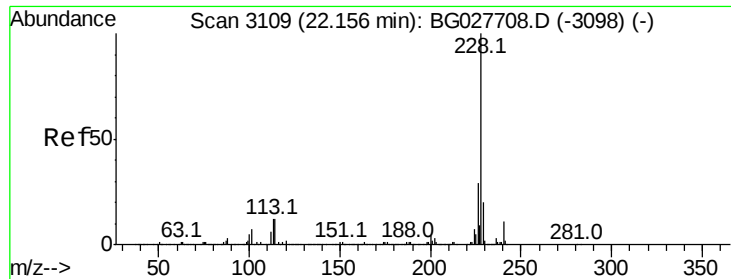


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

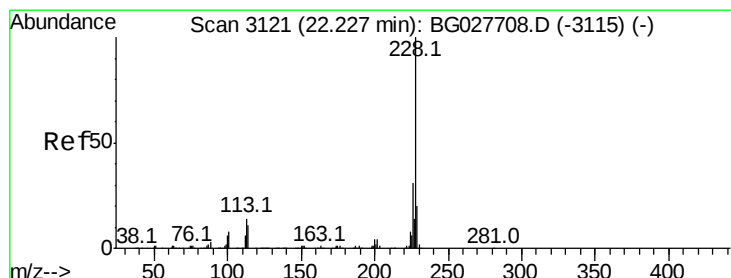
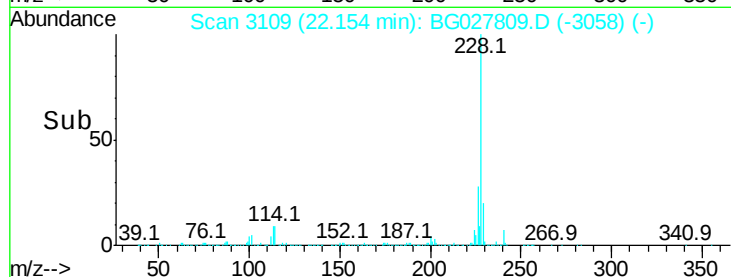
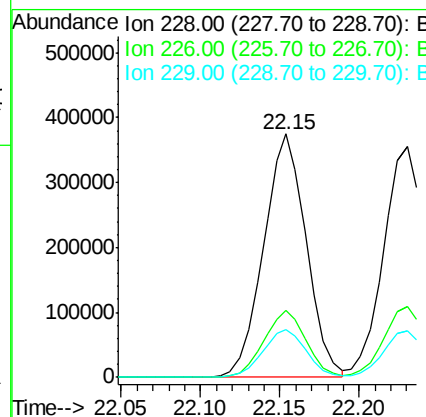
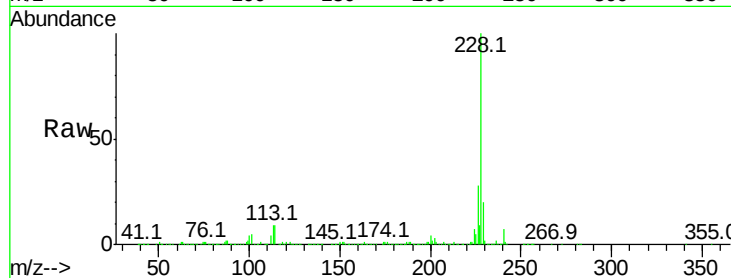




#80  
Benzo(a)anthracene  
Concen: 44.97 ng  
RT: 22.15 min Scan# 3109  
Delta R.T. -0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

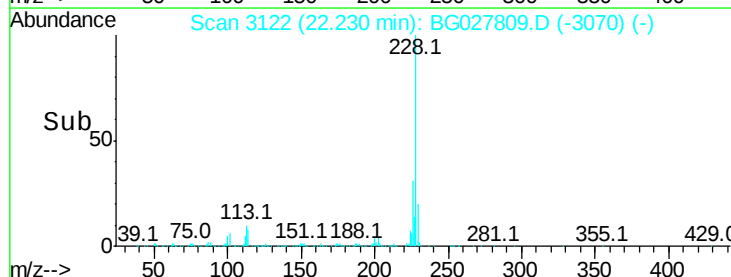
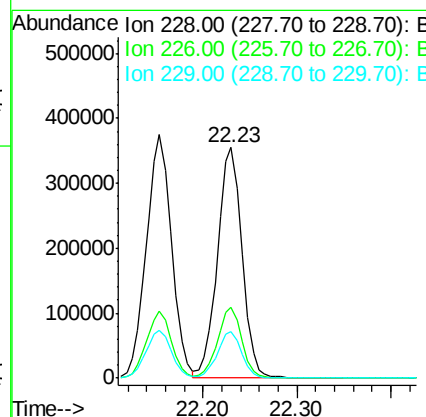
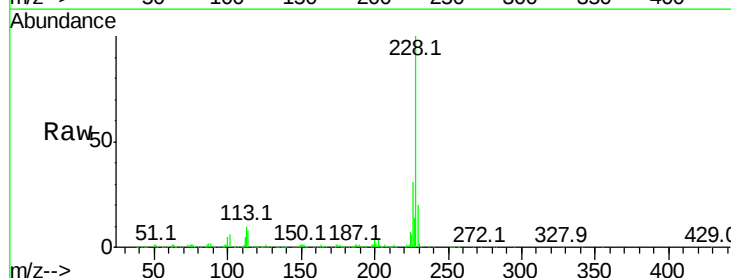
Instrument :  
BNA\_G  
ClientSampleId :

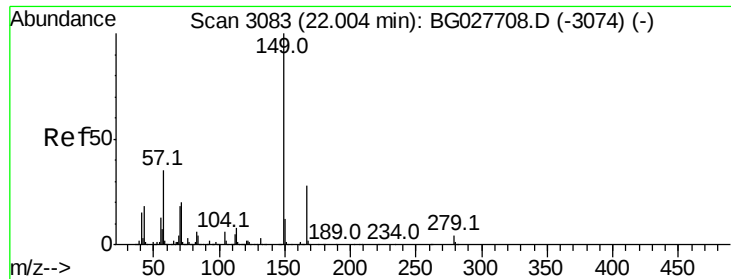
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.5  | 24.9  | 37.3  |
| 229     | 19.8  | 18.2  | 27.2  |



#82  
Chrysene  
Concen: 44.85 ng  
RT: 22.23 min Scan# 3122  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 27.0  | 40.4  |
| 229     | 20.1  | 17.8  | 26.6  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.40 ng

RT: 22.00 min Scan# 3083

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

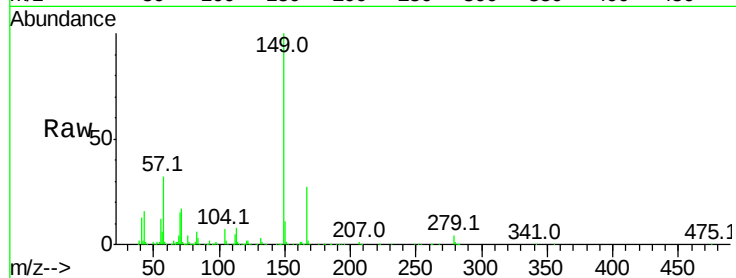
Tot Ion:149 Resp: 459174

Ion Ratio Lower Upper

149 100

167 27.2 23.7 35.5

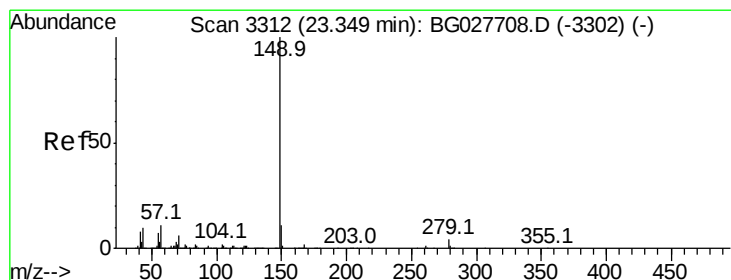
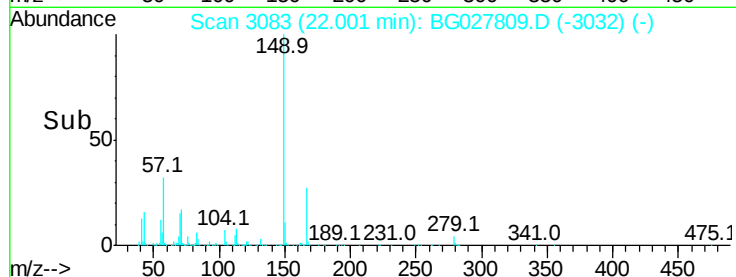
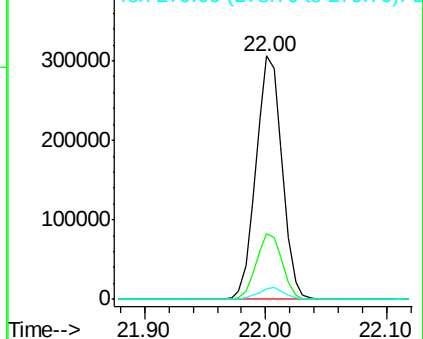
279 4.4 4.6 6.8#



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: 44.18 ng

RT: 23.35 min Scan# 3312

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

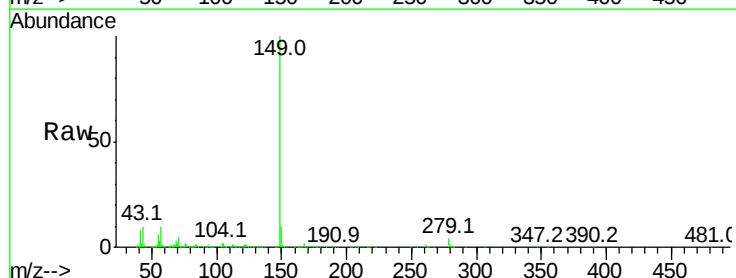
Tgt Ion:149 Resp: 772172

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.2

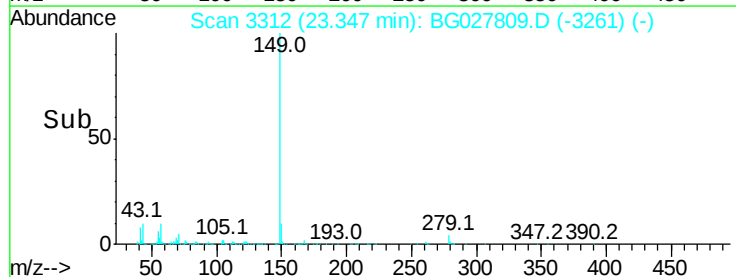
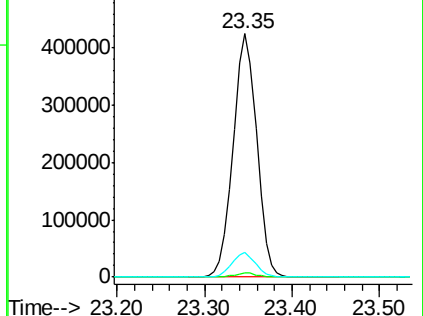
43 10.1 11.8 17.6#

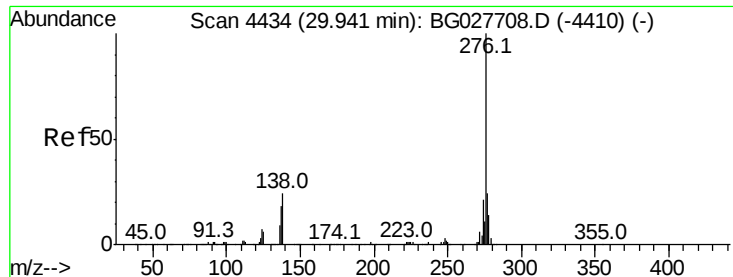


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#85

Indeno(1,2,3-cd)pyrene

Concen: 45.48 ng

RT: 29.94 min Scan# 4435

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

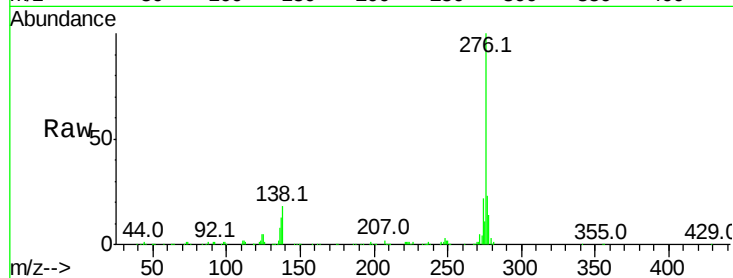
Tot Ion:276 Resp: 754442

Ion Ratio Lower Upper

276 100

138 22.9 4.7 7.1#

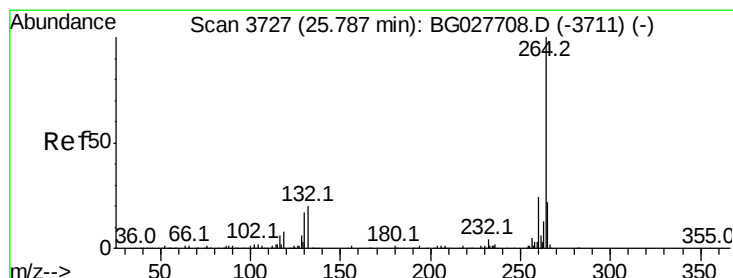
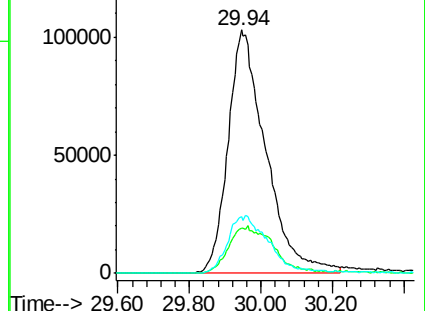
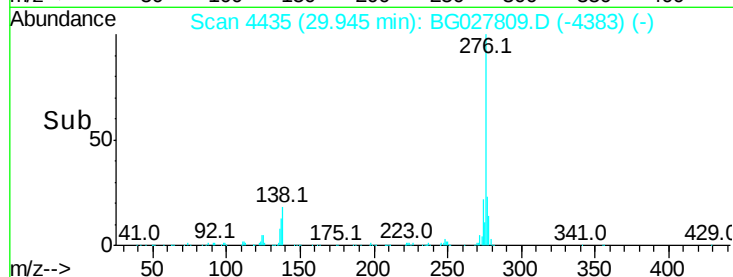
277 10.2 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.78 min Scan# 3727

Delta R.T. -0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

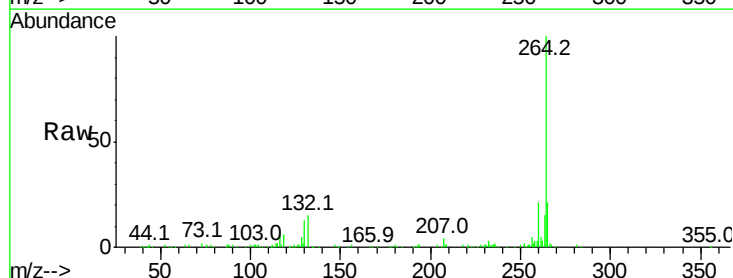
Tgt Ion:264 Resp: 232211

Ion Ratio Lower Upper

264 100

260 21.3 21.8 32.8#

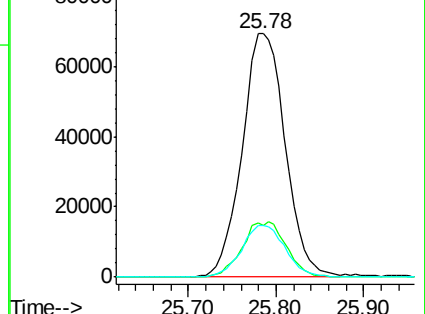
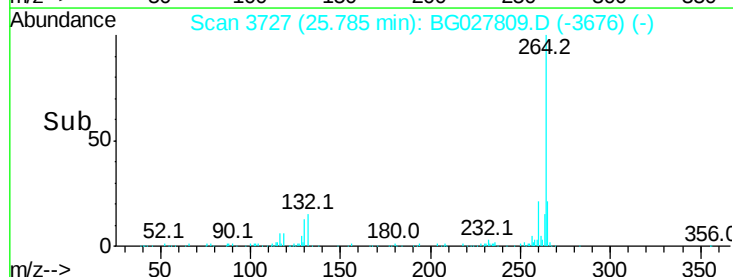
265 21.5 18.2 27.4

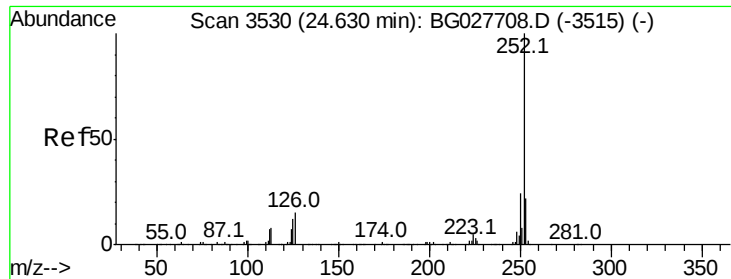


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 46.33 ng

RT: 24.63 min Scan# 3531

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

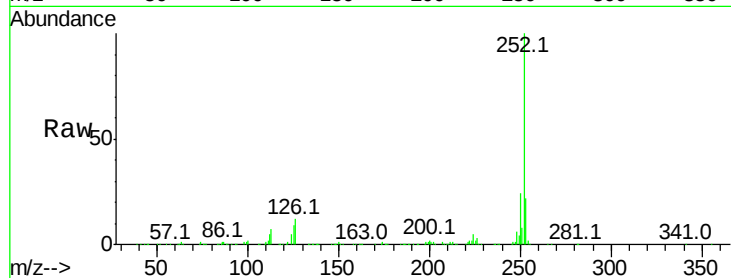
Tot Ion:252 Resp: 693120

Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

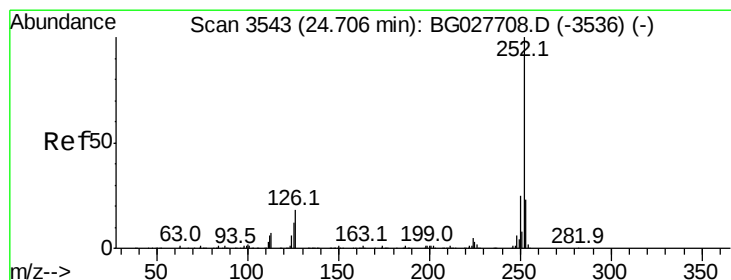
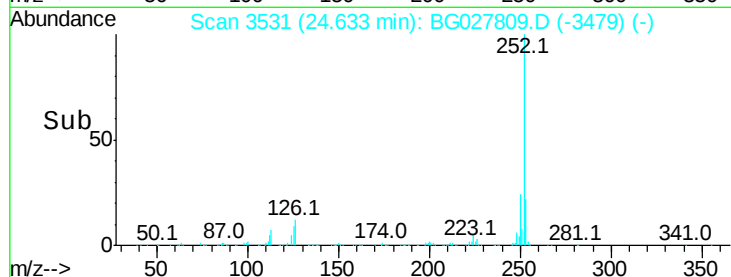
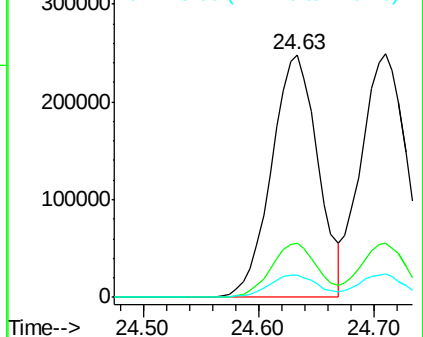
125 9.2 5.3 7.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.30 ng

RT: 24.71 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

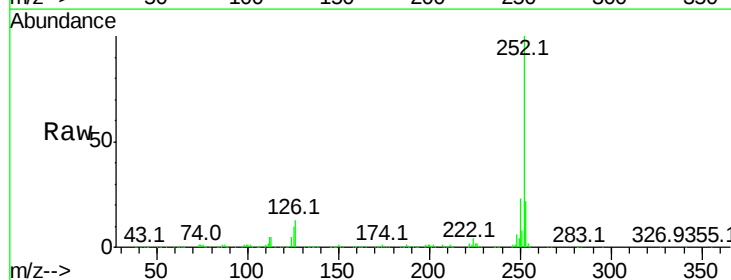
Tgt Ion:252 Resp: 684645

Ion Ratio Lower Upper

252 100

253 22.2 20.2 30.2

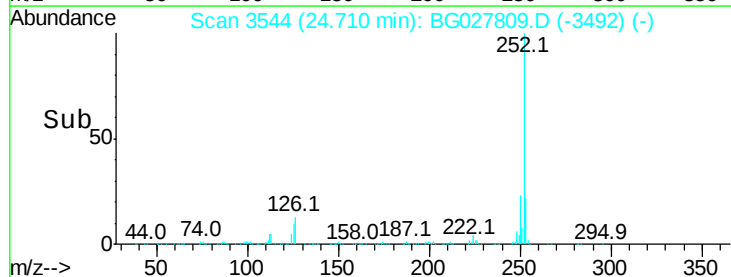
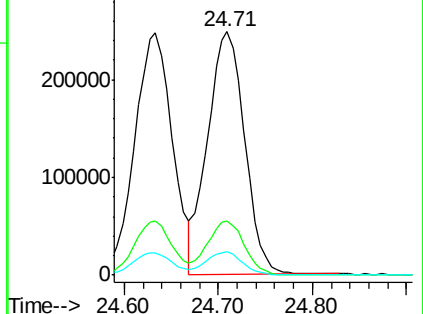
125 9.5 5.1 7.7#

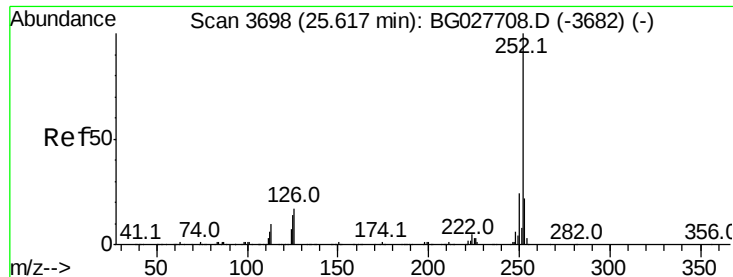


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

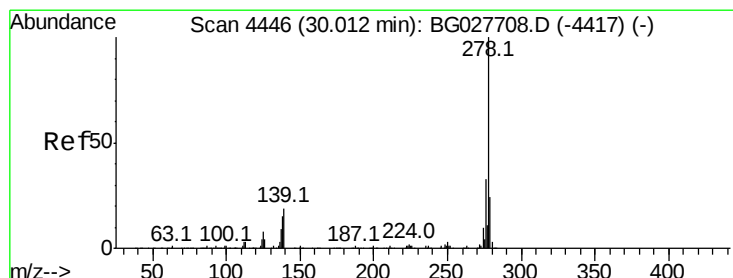
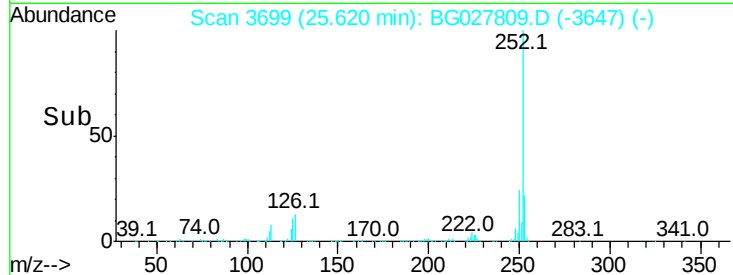
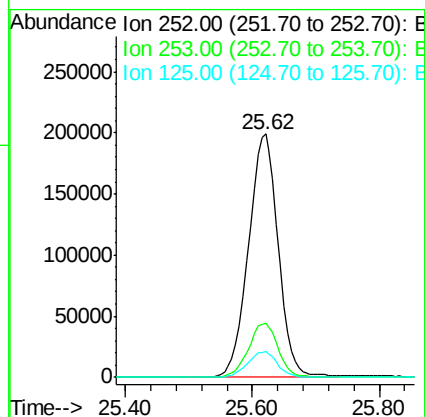
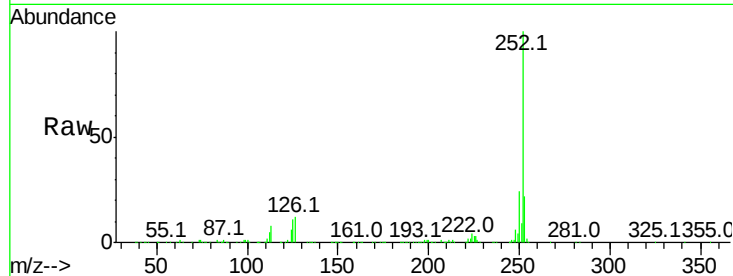




#89  
Benzo(a)pyrene  
Concen: 46.46 ng  
RT: 25.62 min Scan# 3699  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

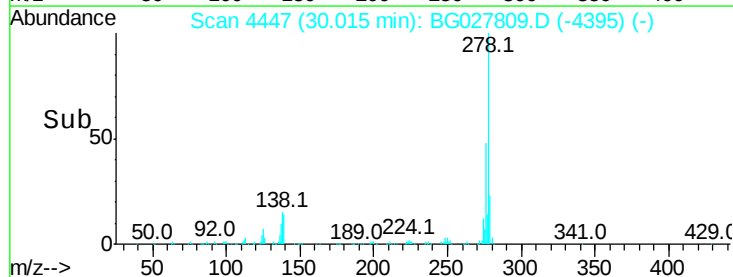
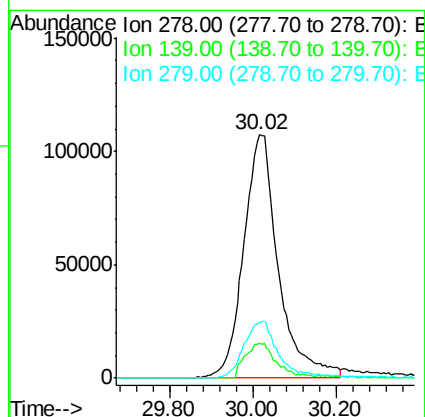
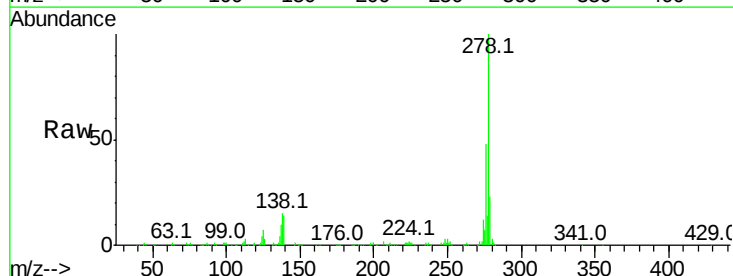
Instrument :  
BNA\_G  
ClientSampleId :

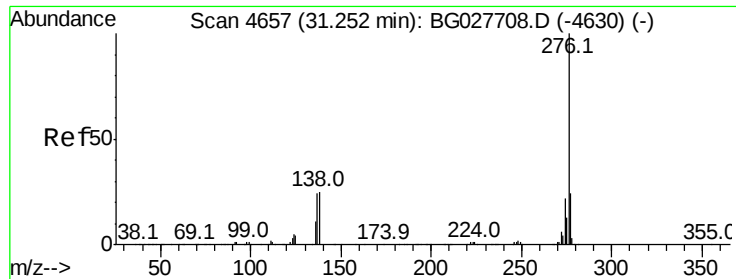
Tot Ion:252 Resp: 652155  
Ion Ratio Lower Upper  
252 100  
253 22.1 19.2 28.8  
125 10.7 5.4 8.0#



#90  
Dibenzo(a,h)anthracene  
Concen: 43.97 ng  
RT: 30.02 min Scan# 4447  
Delta R.T. 0.00 min  
Lab File: BG027809.D  
Acq: 2 Jul 2017 7:58

Tgt Ion:278 Resp: 625362  
Ion Ratio Lower Upper  
278 100  
139 14.1 7.7 11.5#  
279 23.0 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 43.11 ng

RT: 31.25 min Scan# 4658

Delta R.T. 0.00 min

Lab File: BG027809.D

Acq: 2 Jul 2017 7:58

Instrument :

BNA\_G

ClientSampleId :

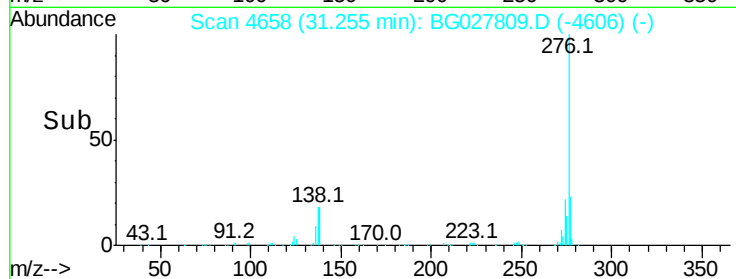
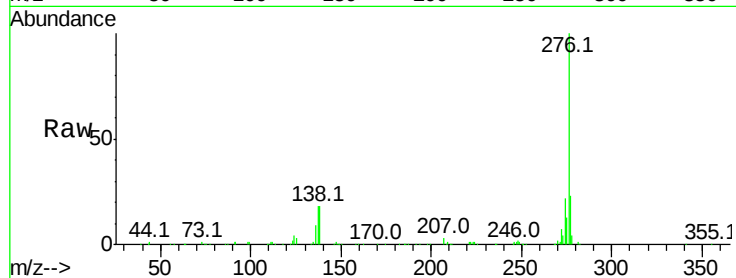
Tot Ion:276 Resp: 589180

Ion Ratio Lower Upper

276 100

277 23.3 18.6 27.8

138 18.2 8.1 12.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

