

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070317\  
 Data File : BG027836.D  
 Acq On : 3 Jul 2017 17:34  
 Operator : SJ/JU  
 Sample : I4007-05MSRE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 04 05:47:55 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 | 8.45  | 152  | 27033    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 11.27 | 136  | 127446   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 15.05 | 164  | 85061    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.79 | 188  | 221393   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12          | 22.15 | 240  | 236959   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12          | 25.73 | 264  | 24645    | 20.00 | ng    | -0.05    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 6.04  | 112 | 229987  | 131.01 | ng | -0.02 |
| 7) Phenol-d6                | 7.60  | 99  | 301120  | 112.28 | ng | -0.01 |
| 23) Nitrobenzene-d5         | 9.62  | 82  | 211686  | 92.58  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 16.53 | 330 | 240330  | 205.99 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 13.67 | 172 | 583883  | 98.03  | ng | -0.02 |
| 78) Terphenyl-d14           | 20.37 | 244 | 1124381 | 111.24 | ng | -0.02 |

|                                |       |     |        |        |    |        |
|--------------------------------|-------|-----|--------|--------|----|--------|
| Target Compounds               |       |     |        |        |    | Qvalue |
| 2) 1,4-Dioxane                 | 4.02  | 88  | 20746  | 31.74  | ng | # 82   |
| 4) n-Nitrosodimethylamine      | 4.31  | 42  | 40786  | 41.33  | ng | 92     |
| 6) Aniline                     | 7.86  | 93  | 75731  | 24.36  | ng | # 56   |
| 8) 2-Chlorophenol              | 8.02  | 128 | 95787  | 48.83  | ng | 87     |
| 9) Benzaldehyde                | 7.60  | 77  | 28727  | 18.00  | ng | 82     |
| 10) Phenol                     | 7.62  | 94  | 105269 | 39.67  | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 7.86  | 93  | 75731  | 37.58  | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 8.35  | 146 | 85219  | 40.84  | ng | # 91   |
| 13) 1,4-Dichlorobenzene        | 8.49  | 146 | 90183  | 41.71  | ng | 93     |
| 14) 1,2-Dichlorobenzene        | 8.81  | 146 | 88494  | 42.21  | ng | 91     |
| 15) Benzyl Alcohol             | 8.69  | 79  | 13677  | 7.37   | ng | # 87   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.96  | 45  | 160317 | 37.29  | ng | 99     |
| 17) 2-Methylphenol             | 8.88  | 107 | 84030  | 44.76  | ng | # 86   |
| 18) Hexachloroethane           | 9.54  | 117 | 28924  | 38.03  | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 9.25  | 70  | 77482  | 39.71  | ng | # 95   |
| 20) 3+4-Methylphenols          | 9.21  | 107 | 111849 | 41.32  | ng | 89     |
| 22) Acetophenone               | 9.28  | 105 | 143037 | 46.51  | ng | # 89   |
| 24) Nitrobenzene               | 9.66  | 77  | 105339 | 44.07  | ng | # 83   |
| 25) Isophorone                 | 10.18 | 82  | 223626 | 44.87  | ng | # 93   |
| 26) 2-Nitrophenol              | 10.37 | 139 | 51760  | 47.94  | ng | # 85   |
| 27) 2,4-Dimethylphenol         | 10.42 | 122 | 105245 | 52.04  | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 10.65 | 93  | 81573  | 28.87  | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.91 | 162 | 100913 | 56.94  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.13 | 180 | 87905  | 48.63  | ng | 93     |
| 31) Naphthalene                | 11.32 | 128 | 315899 | 46.61  | ng | 98     |
| 32) Benzoic acid               | 10.52 | 122 | 26860  | 26.58  | ng | 92     |
| 33) 4-Chloroaniline            | 11.33 | 127 | 42426  | 14.49  | ng | # 28   |
| 34) Hexachlorobutadiene        | 11.59 | 225 | 53886  | 53.50  | ng | 96     |
| 35) Caprolactam                | 12.24 | 113 | 23641  | 26.52  | ng | # 89   |
| 36) 4-Chloro-3-methylphenol    | 12.51 | 107 | 115142 | 46.17  | ng | # 89   |
| 37) 2-Methylnaphthalene        | 12.89 | 142 | 244926 | 48.52  | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216 | 115436 | 51.64  | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.23 | 237 | 143321 | 135.99 | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 13.48 | 196 | 91267  | 56.53  | ng | 96     |

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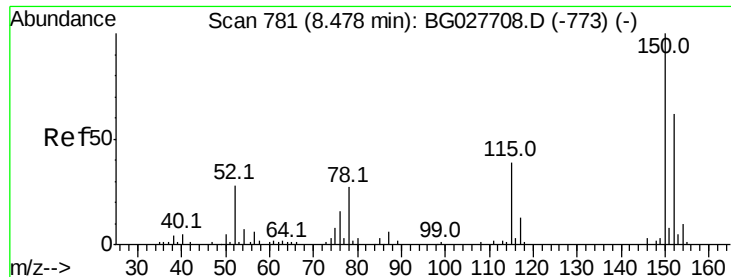
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 04 05:47:55 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062817.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 43) 2,4,5-Trichlorophenol      | 13.57 | 196  | 99541    | 54.42  | ng    | 93       |
| 45) 1,1'-Biphenyl              | 13.88 | 154  | 331215   | 48.58  | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.93 | 162  | 253889   | 49.30  | ng    | 98       |
| 47) 2-Nitroaniline             | 14.13 | 65   | 70939    | 34.41  | ng    | # 86     |
| 48) Acenaphthylene             | 14.77 | 152  | 385949   | 41.01  | ng    | 99       |
| 49) Dimethylphthalate          | 14.49 | 163  | 390635   | 53.83  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.61 | 165  | 82953    | 52.59  | ng    | # 80     |
| 51) Acenaphthene               | 15.11 | 154  | 268568   | 44.52  | ng    | 97       |
| 52) 3-Nitroaniline             | 14.97 | 138  | 23357    | 12.59  | ng    | # 84     |
| 53) 2,4-Dinitrophenol          | 15.15 | 184  | 110173   | 122.20 | ng    | 96       |
| 54) Dibenzofuran               | 15.44 | 168  | 433466   | 54.35  | ng    | 98       |
| 55) 4-Nitrophenol              | 15.25 | 139  | 114114   | 80.56  | ng    | # 62     |
| 56) 2,4-Dinitrotoluene         | 15.40 | 165  | 123925   | 56.33  | ng    | # 85     |
| 57) Fluorene                   | 16.09 | 166  | 381895   | 49.38  | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.66 | 232  | 92901    | 58.92  | ng    | 94       |
| 59) Diethylphthalate           | 15.83 | 149  | 427802   | 53.24  | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.07 | 204  | 186667   | 54.53  | ng    | 95       |
| 61) 4-Nitroaniline             | 16.11 | 138  | 31002    | 16.04  | ng    | # 62     |
| 62) Azobenzene                 | 16.36 | 77   | 324599   | 45.97  | ng    | 94       |
| 64) 4,6-Dinitro-2-methylphenol | 16.16 | 198  | 72145    | 51.70  | ng    | 85       |
| 65) n-Nitrosodiphenylamine     | 16.29 | 169  | 20551    | 2.85   | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.97 | 248  | 131093   | 56.61  | ng    | 93       |
| 67) Hexachlorobenzene          | 17.10 | 284  | 140112   | 57.14  | ng    | 92       |
| 68) Atrazine                   | 17.44 | 200  | 30813    | 13.55  | ng    | # 36     |
| 69) Pentachlorophenol          | 17.44 | 266  | 163746   | 102.69 | ng    | 95       |
| 70) Phenanthrene               | 17.84 | 178  | 643134   | 50.32  | ng    | 94       |
| 71) Anthracene                 | 17.93 | 178  | 632132   | 48.98  | ng    | 98       |
| 72) Carbazole                  | 18.19 | 167  | 38937    | 3.06   | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.72 | 149  | 733293   | 52.50  | ng    | # 93     |
| 74) Fluoranthene               | 19.83 | 202  | 727168   | 52.06  | ng    | 96       |
| 77) Pyrene                     | 20.19 | 202  | 655634   | 44.09  | ng    | 95       |
| 79) Butylbenzylphthalate       | 21.06 | 149  | 318475   | 47.55  | ng    | 85       |
| 80) Benzo(a)anthracene         | 22.13 | 228  | 687372   | 47.98  | ng    | 94       |
| 82) Chrysene                   | 22.20 | 228  | 657309   | 48.95  | ng    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 21.98 | 149  | 458290   | 46.82  | ng    | 96       |
| 84) Di-n-octyl phthalate       | 23.31 | 149  | 774343   | 47.89  | ng    | # 90     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.85 | 276  | 396824   | 25.86  | ng    | # 73     |
| 87) Benzo(b)fluoranthene       | 24.59 | 252  | 686322   | 432.26 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.66 | 252  | 594119   | 378.55 | ng    | # 93     |
| 89) Benzo(a)pyrene             | 25.56 | 252  | 288147   | 193.40 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 29.93 | 278  | 599095   | 396.93 | ng    | # 97     |
| 91) Benzo(g,h,i)perylene       | 31.16 | 276  | 279308   | 192.56 | ng    | # 92     |

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

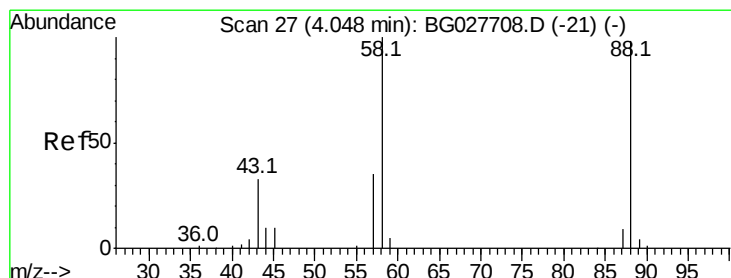
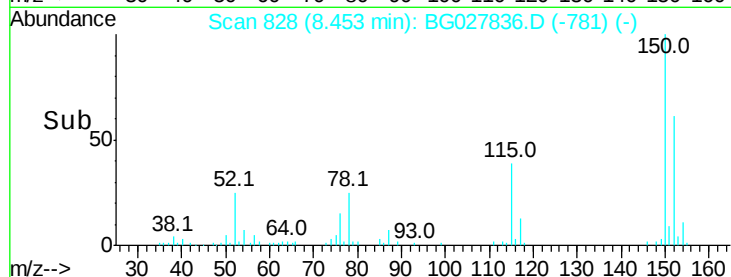
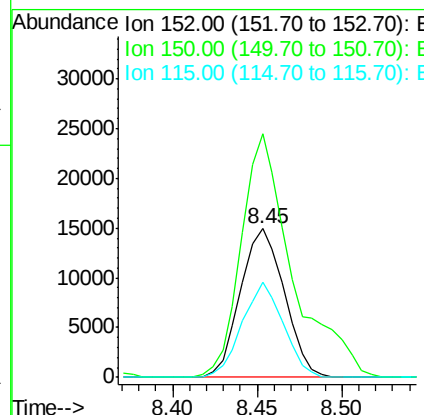
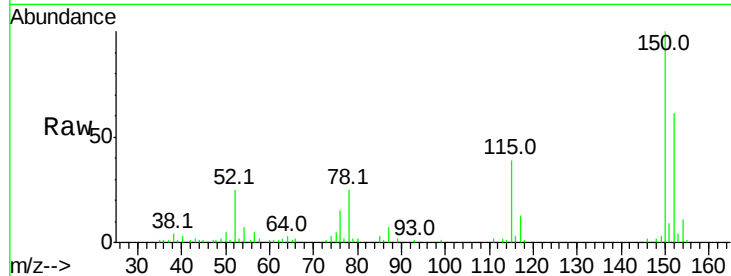




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.45 min Scan# 828  
 Delta R.T. -0.03 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

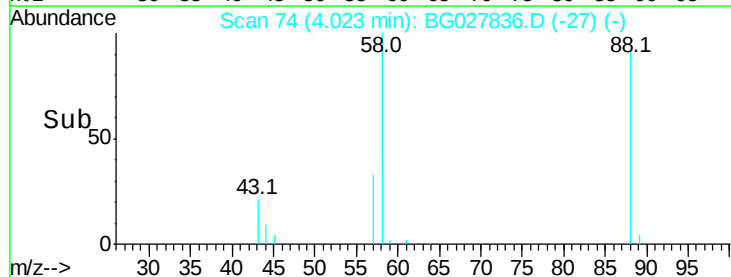
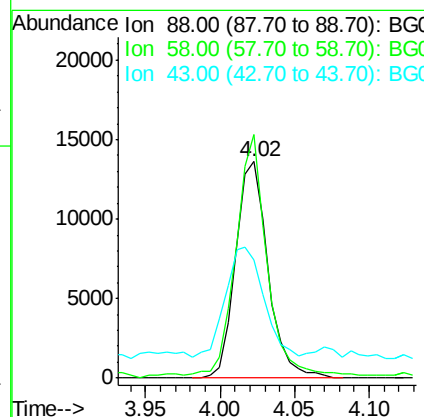
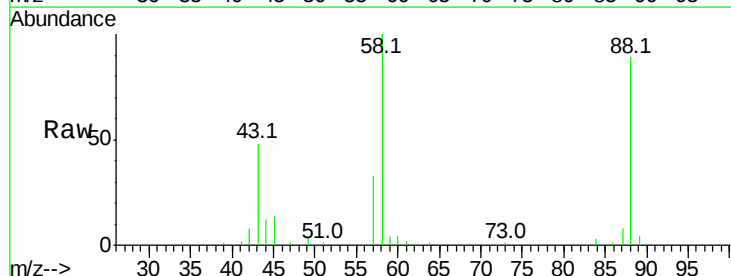
Instrument :  
 BNA\_G  
 ClientSampleId :

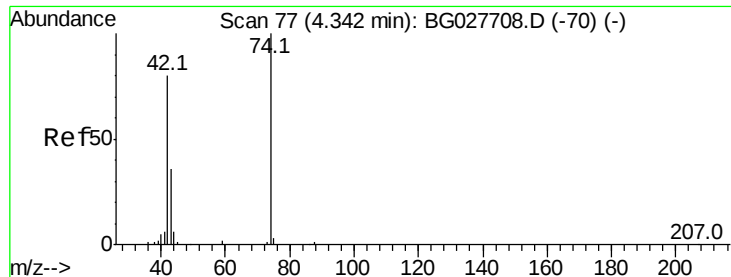
Tot Ion:152 Resp: 27033  
 Ion Ratio Lower Upper  
 152 100  
 150 164.2 114.0 171.0  
 115 64.3 48.1 72.1



#2  
 1,4-Dioxane  
 Concen: 31.74 ng  
 RT: 4.02 min Scan# 74  
 Delta R.T. -0.03 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion: 88 Resp: 20746  
 Ion Ratio Lower Upper  
 88 100  
 58 112.9 79.4 119.2  
 43 59.9 33.8 50.6#





#4

n-Nitrosodimethylamine

Concen: 41.33 ng

RT: 4.31 min Scan# 123

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

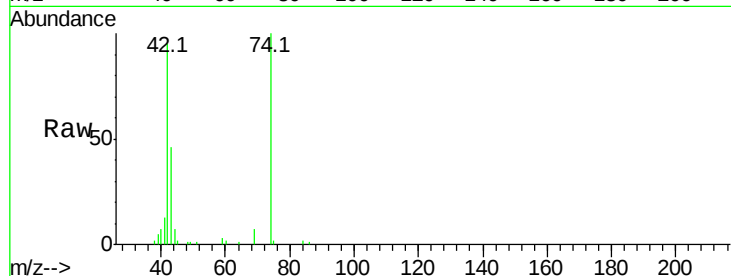
Tot Ion: 42 Resp: 40786

Ion Ratio Lower Upper

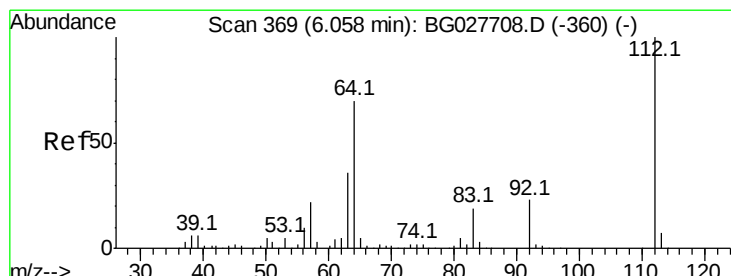
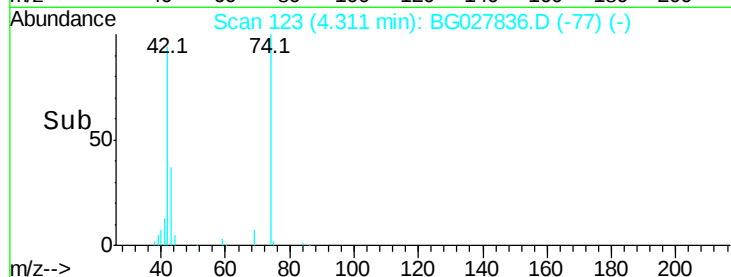
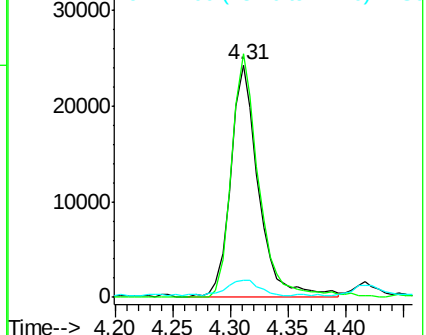
42 100

74 104.8 76.7 115.1

44 7.5 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: 131.01 ng

RT: 6.04 min Scan# 417

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

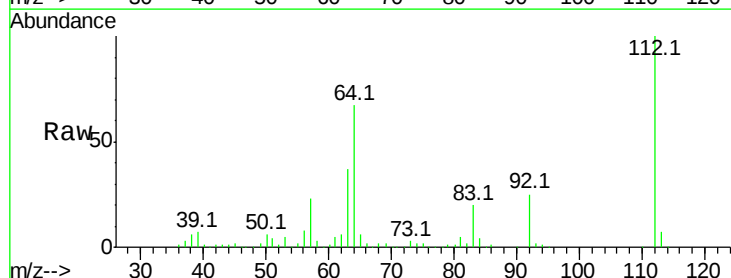
Tgt Ion: 112 Resp: 229987

Ion Ratio Lower Upper

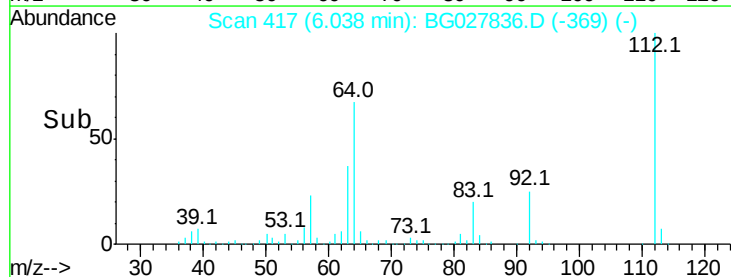
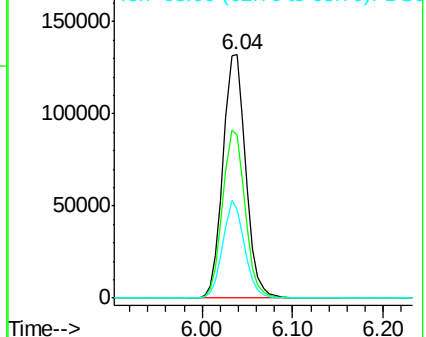
112 100

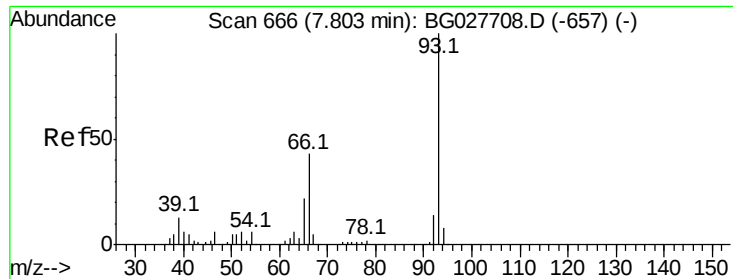
64 67.1 61.8 92.6

63 36.6 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: 24.36 ng

RT: 7.86 min Scan# 727

Delta R.T. 0.06 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

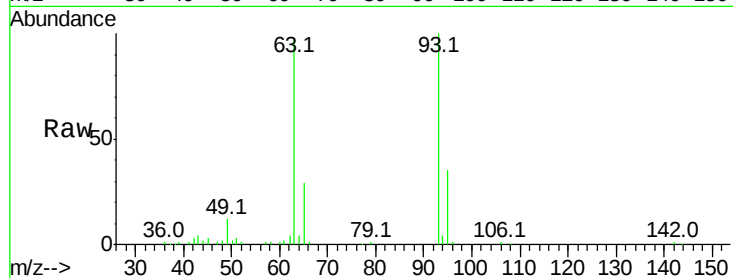
Tot Ion: 93 Resp: 75731

Ion Ratio Lower Upper

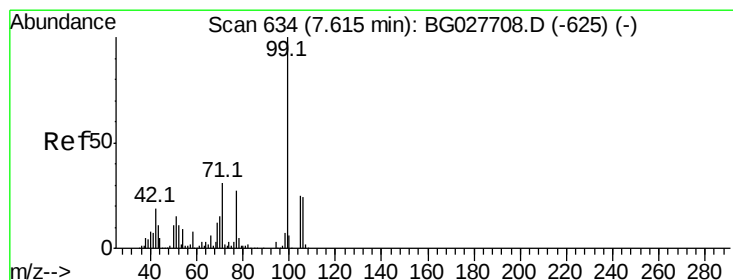
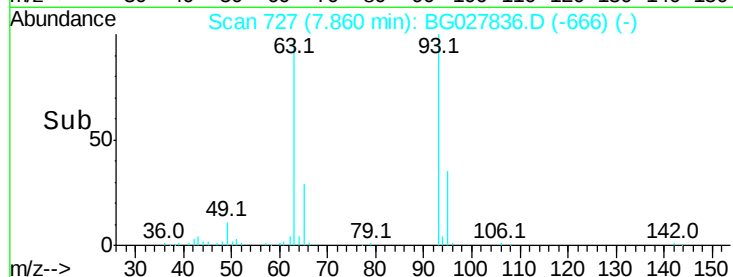
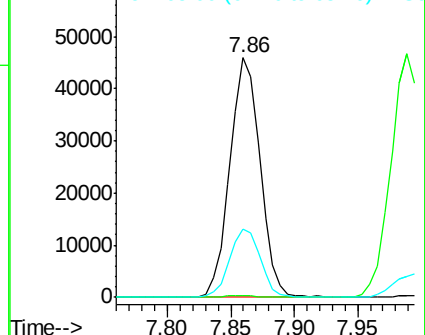
93 100

66 0.7 35.4 53.2#

65 28.6 21.2 31.8



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 112.28 ng

RT: 7.60 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

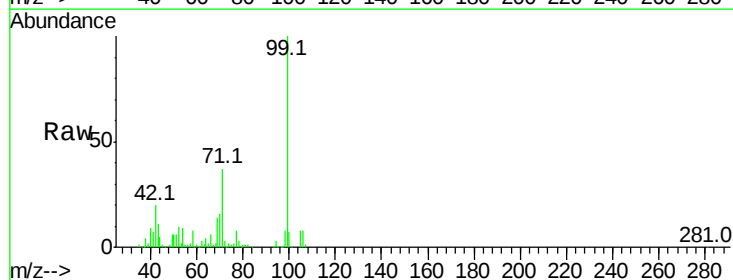
Tgt Ion: 99 Resp: 301120

Ion Ratio Lower Upper

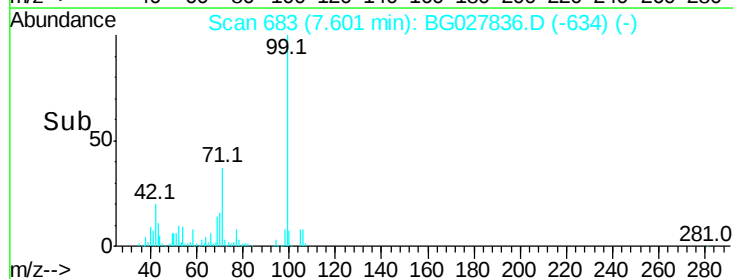
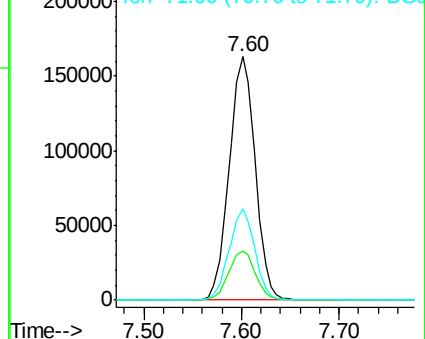
99 100

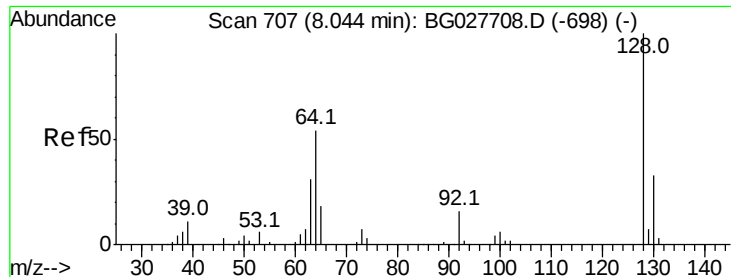
42 20.1 20.5 30.7#

71 37.4 37.6 56.4#



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





#8

2-Chlorophenol

Concen: 48.83 ng

RT: 8.02 min Scan# 754

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

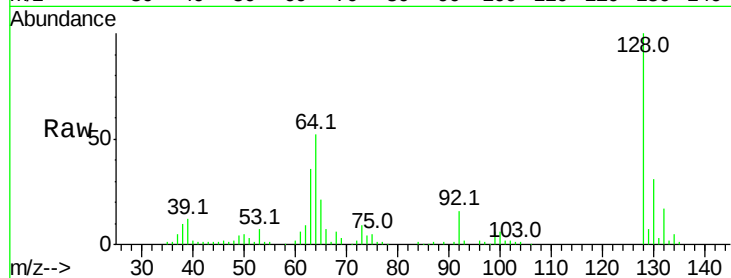
Tot Ion:128 Resp: 95787

Ion Ratio Lower Upper

128 100

130 30.5 11.4 51.4

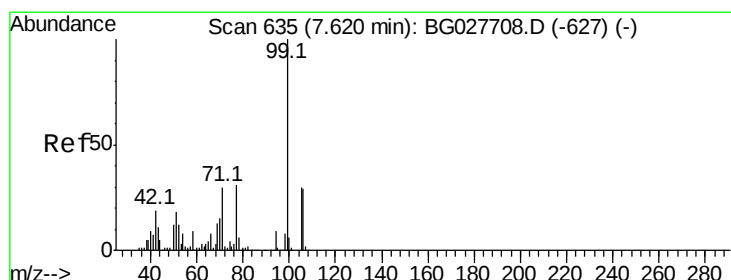
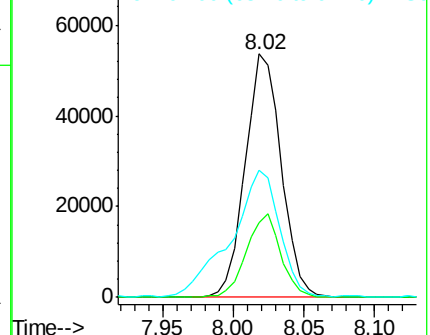
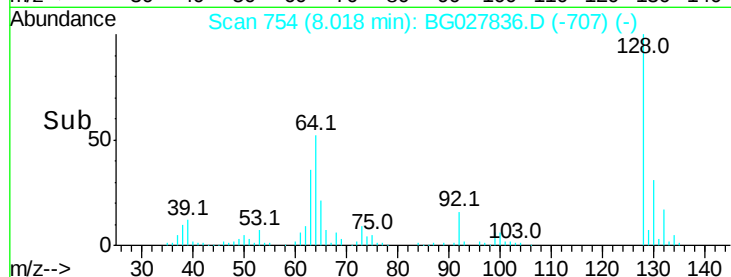
64 52.1 46.6 86.6



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: 18.00 ng

RT: 7.60 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

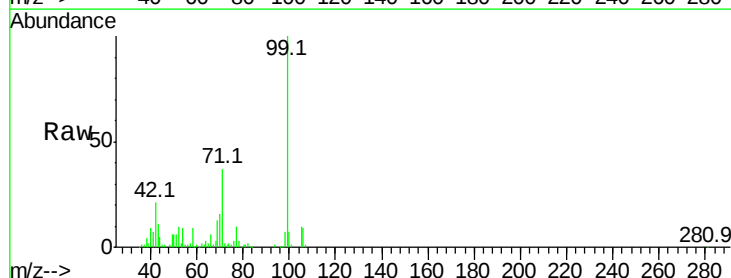
Tgt Ion: 77 Resp: 28727

Ion Ratio Lower Upper

77 100

105 100.9 60.9 100.9

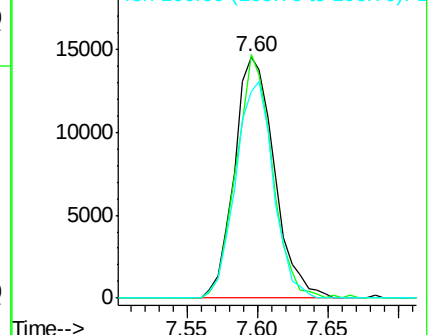
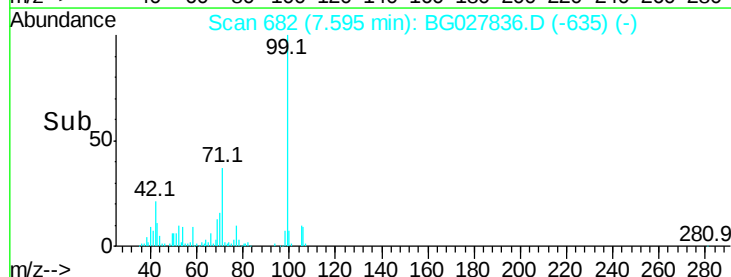
106 85.8 55.1 95.1

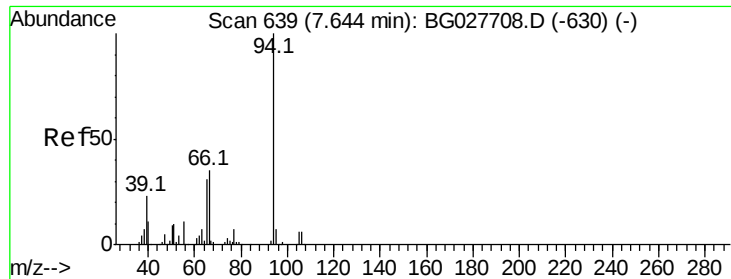


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

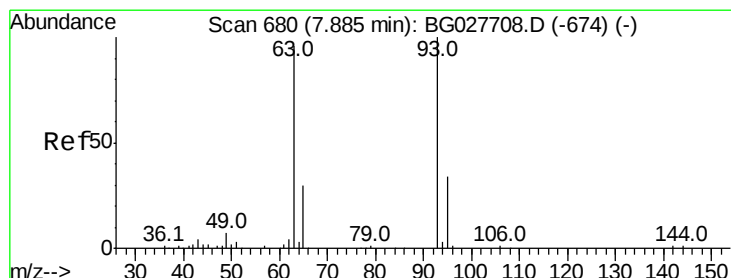
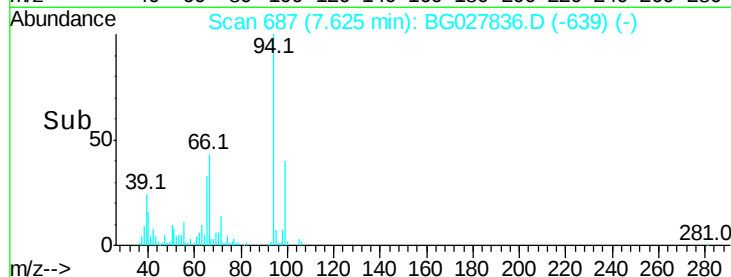
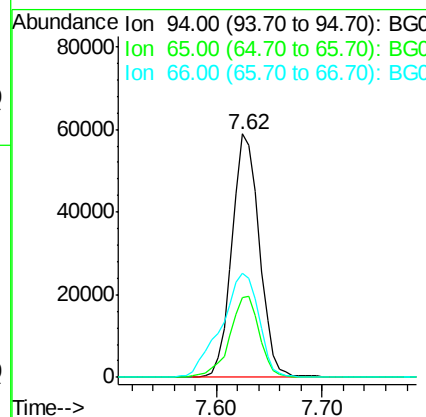
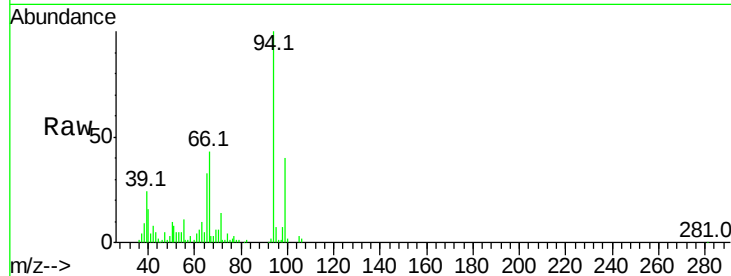




#10  
Phenol  
Concen: 39.67 ng  
RT: 7.62 min Scan# 687  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

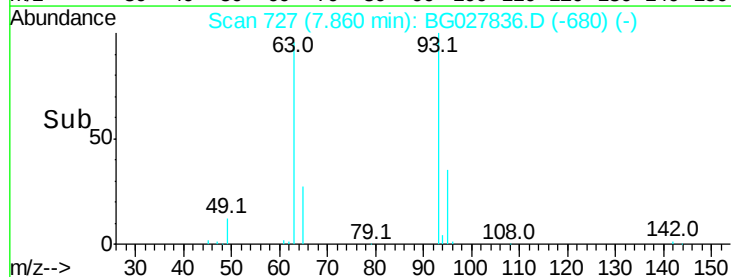
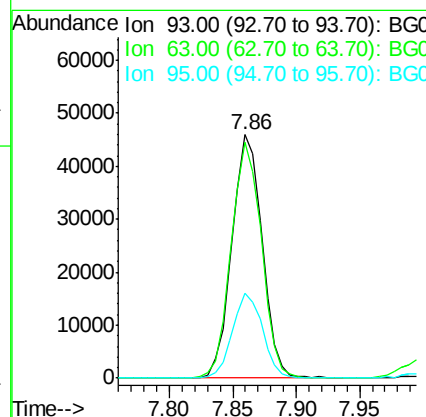
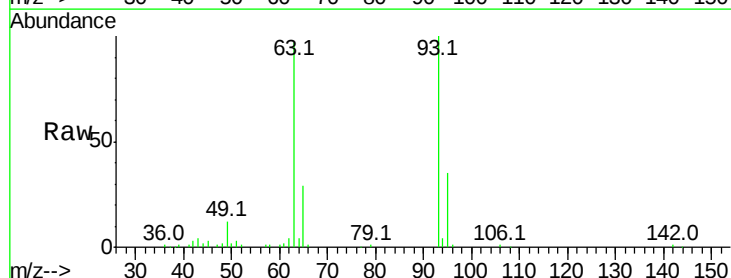
Instrument :  
BNA\_G  
ClientSampleId :

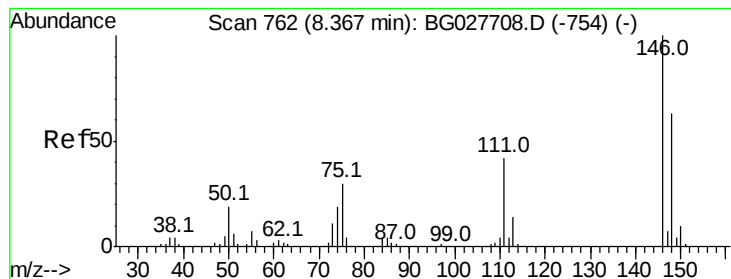
Tot Ion: 94 Resp: 105269  
Ion Ratio Lower Upper  
94 100  
65 32.7 20.6 60.6  
66 43.0 35.5 75.5



#11  
bis(2-Chloroethyl)ether  
Concen: 37.58 ng  
RT: 7.86 min Scan# 727  
Delta R.T. -0.03 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion: 93 Resp: 75731  
Ion Ratio Lower Upper  
93 100  
63 96.7 78.5 118.5  
95 35.0 9.8 49.8





#12

1,3-Dichlorobenzene

Concen: 40.84 ng

RT: 8.35 min Scan# 810

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampled :

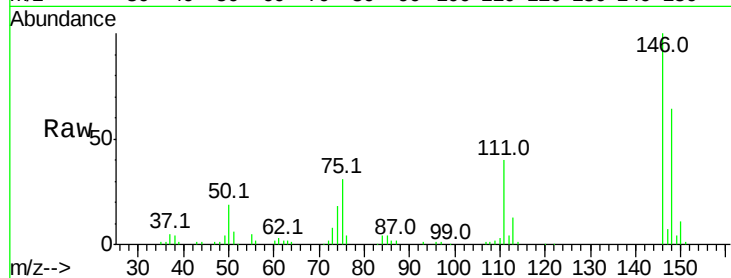
Tot Ion:146 Resp: 85219

Ion Ratio Lower Upper

146 100

148 64.4 49.2 73.8

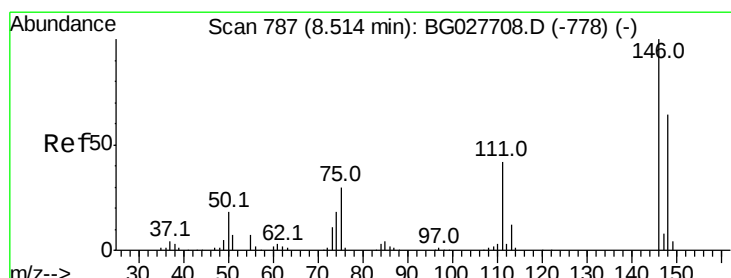
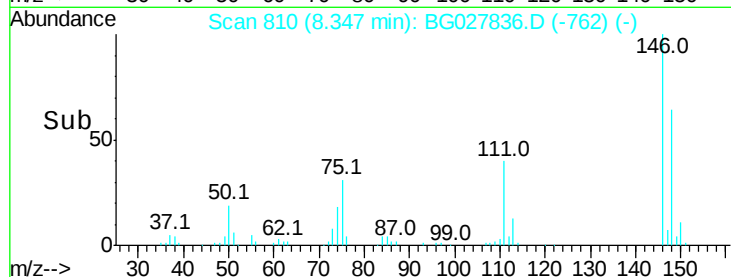
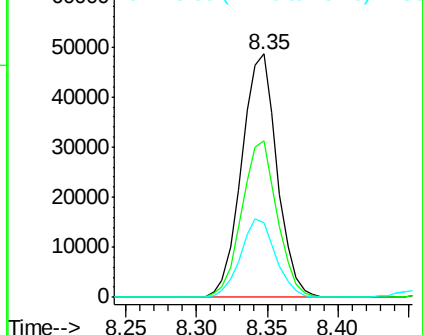
75 30.9 33.4 50.2#



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: 41.71 ng

RT: 8.49 min Scan# 834

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

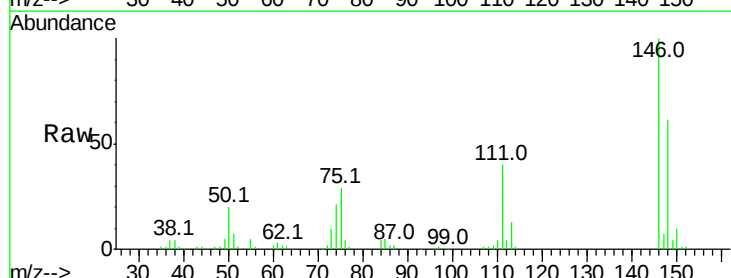
Tgt Ion:146 Resp: 90183

Ion Ratio Lower Upper

146 100

148 60.5 52.2 78.2

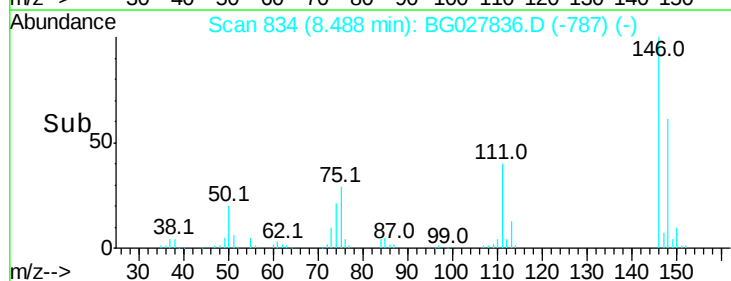
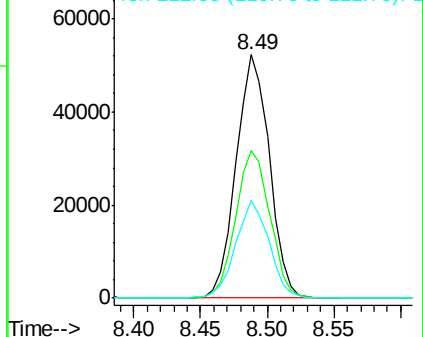
111 40.2 37.0 55.6

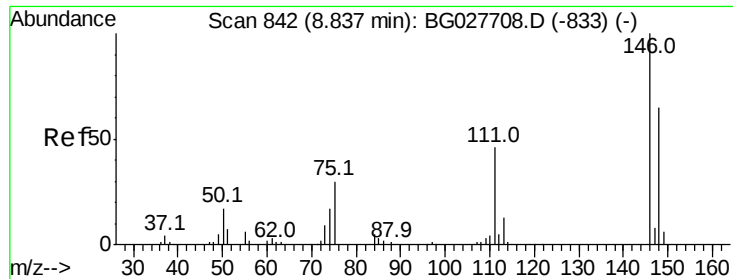


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 42.21 ng

RT: 8.81 min Scan# 889

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

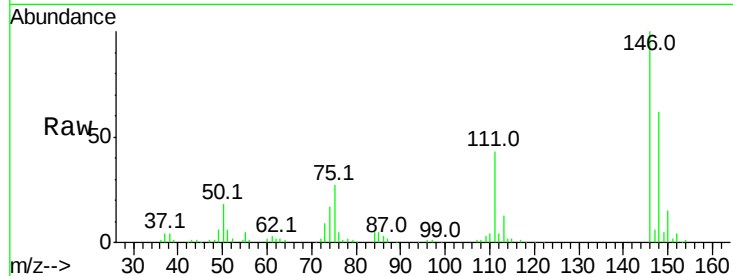
Tot Ion:146 Resp: 88494

Ion Ratio Lower Upper

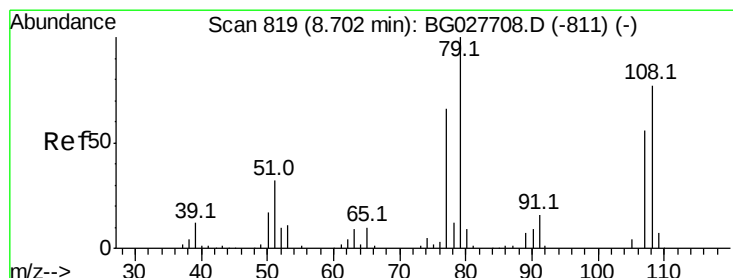
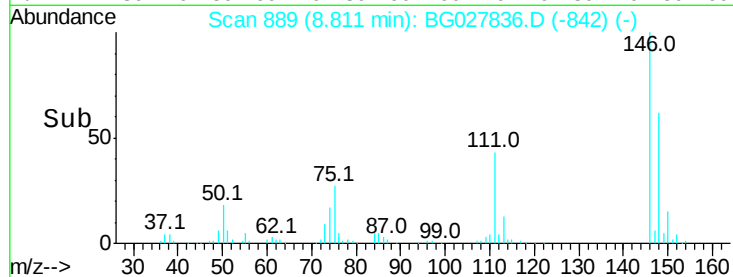
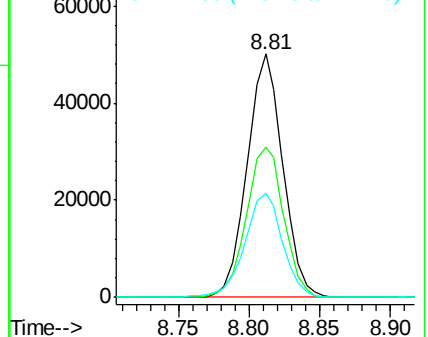
146 100

148 61.6 54.6 81.8

111 43.0 39.7 59.5



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 7.37 ng

RT: 8.69 min Scan# 868

Delta R.T. -0.01 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

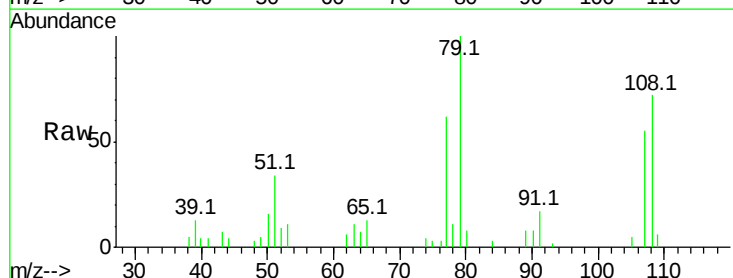
Tgt Ion: 79 Resp: 13677

Ion Ratio Lower Upper

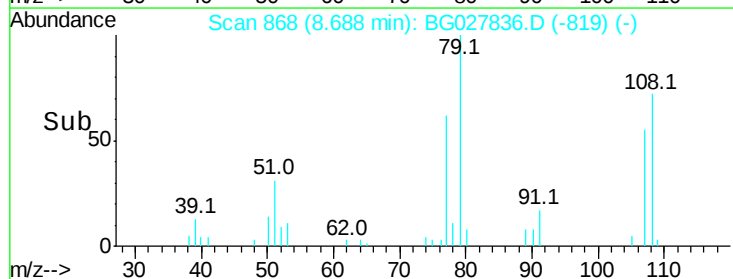
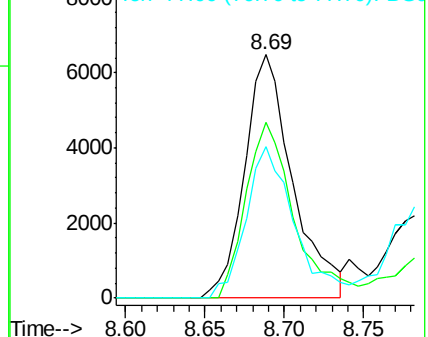
79 100

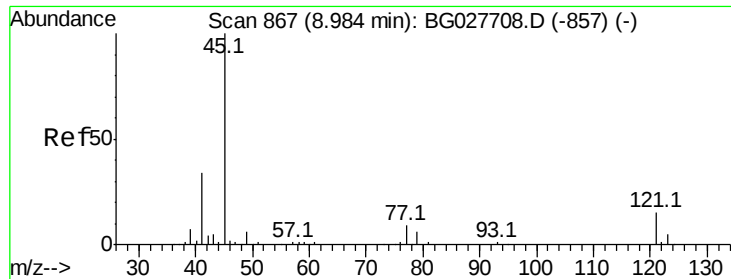
108 72.4 45.5 68.3#

77 62.2 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

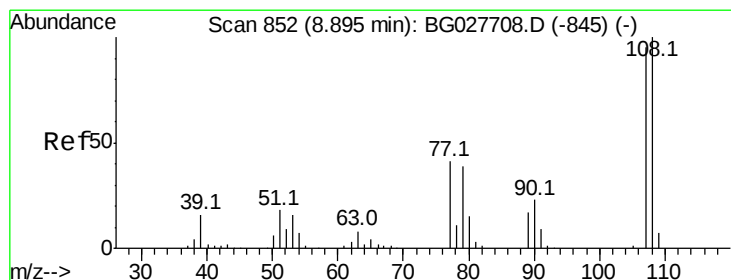
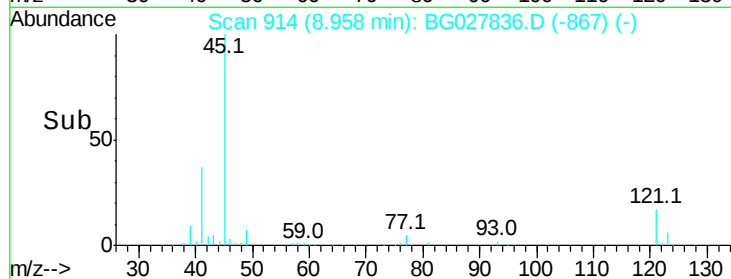
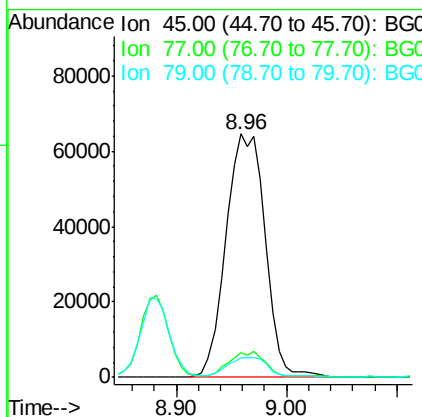
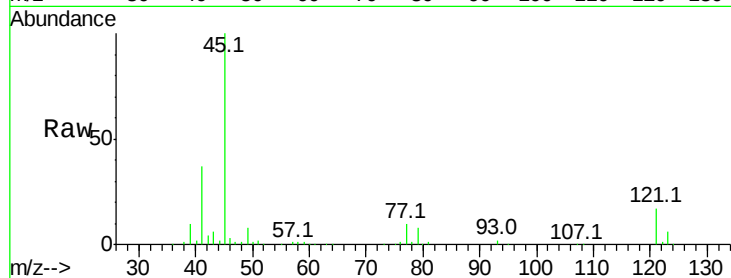




#16  
2,2'-oxvbis(1-Chloropropane)  
Concen: 37.29 ng  
RT: 8.96 min Scan# 914  
Delta R.T. -0.03 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

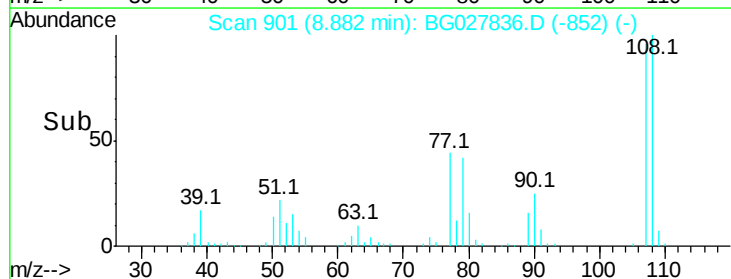
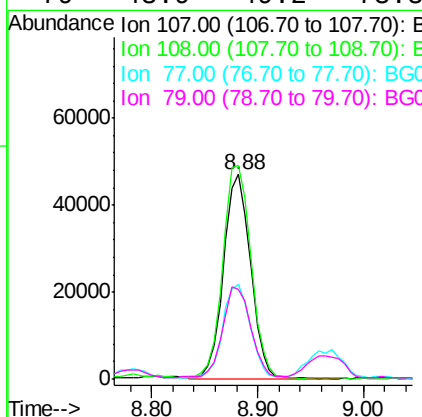
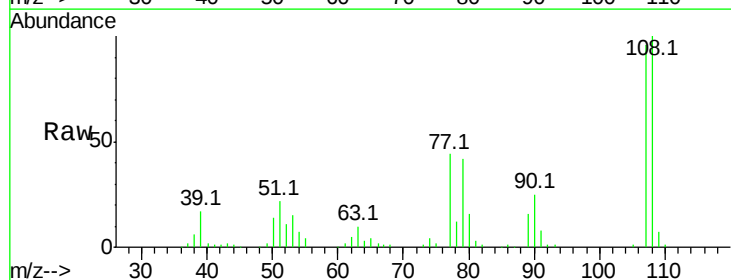
Instrument :  
BNA\_G  
ClientSampleId :

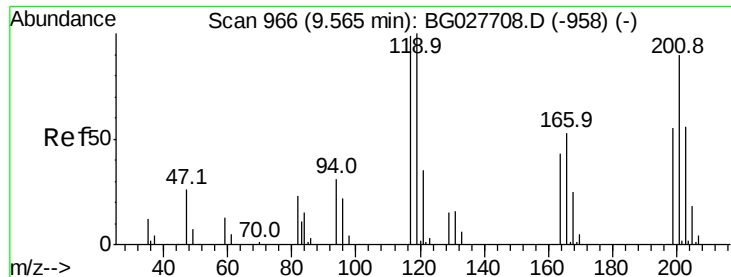
Tot Ion: 45 Resp: 160317  
Ion Ratio Lower Upper  
45 100  
77 10.2 0.0 30.6  
79 8.2 0.0 28.5



#17  
2-Methylphenol  
Concen: 44.76 ng  
RT: 8.88 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:107 Resp: 84030  
Ion Ratio Lower Upper  
107 100  
108 104.4 85.6 128.4  
77 46.1 51.4 77.2#  
79 43.9 49.2 73.8#

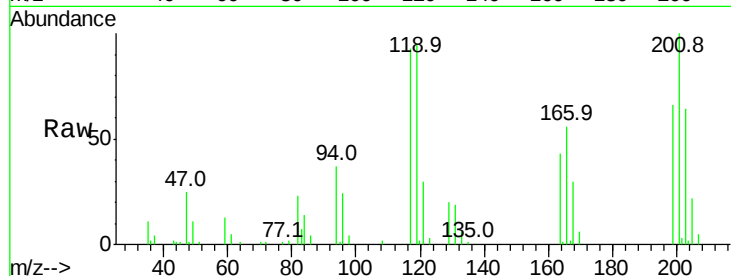




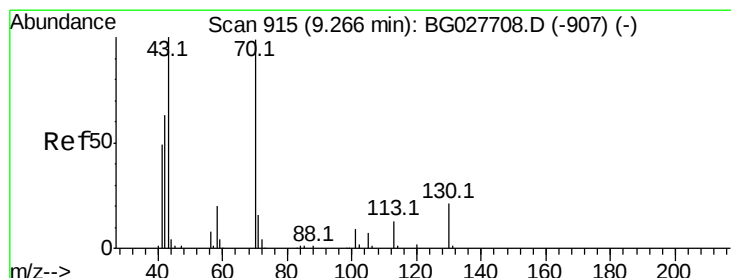
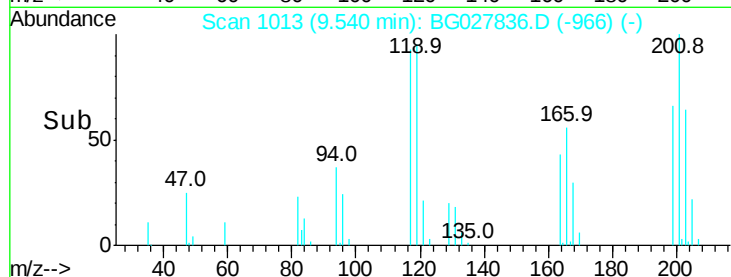
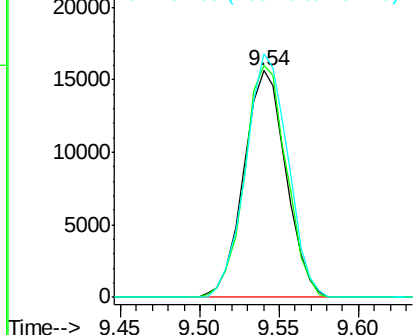
#18  
Hexachloroethane  
Concen: 38.03 ng  
RT: 9.54 min Scan# 1013  
Delta R.T. -0.03 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:117 Resp: 28924  
Ion Ratio Lower Upper  
117 100  
119 102.2 69.8 104.6  
201 107.3 95.4 143.0

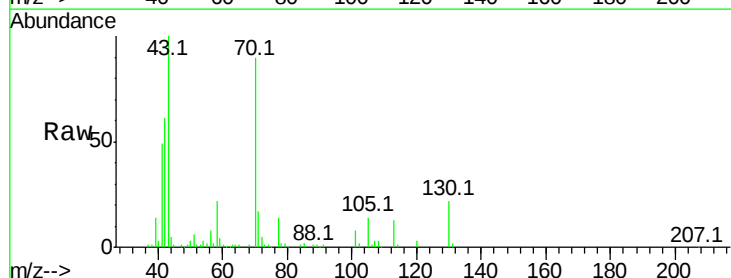


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

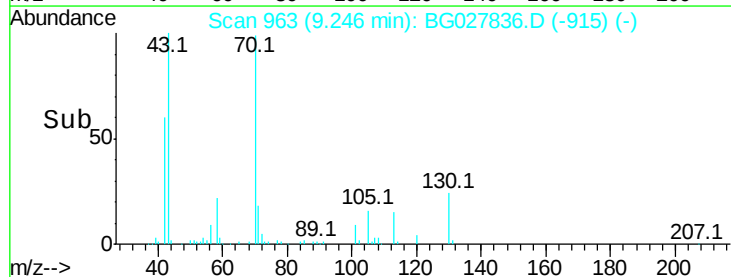
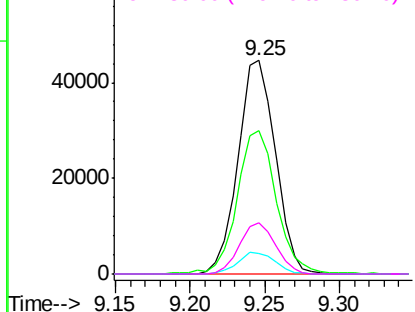


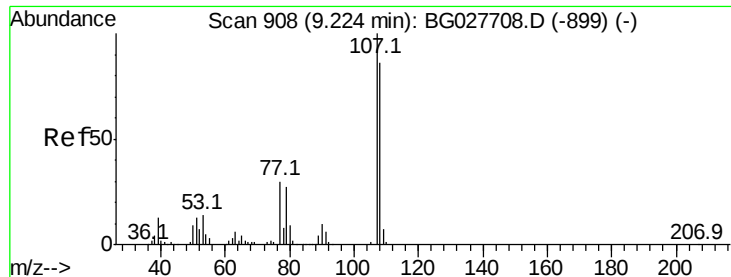
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.71 ng  
RT: 9.25 min Scan# 963  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion: 70 Resp: 77482  
Ion Ratio Lower Upper  
70 100  
42 67.3 56.1 84.1  
101 9.4 7.5 11.3  
130 23.9 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: 41.32 ng

RT: 9.21 min Scan# 956

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 111849

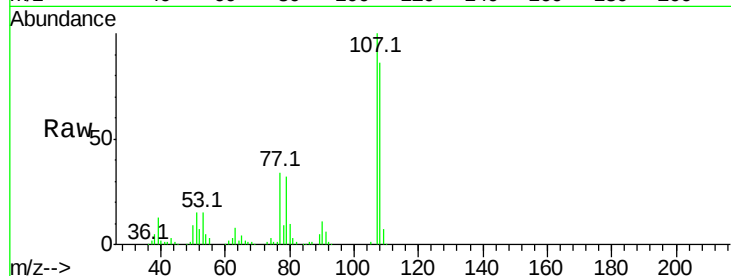
Ion Ratio Lower Upper

107 100

108 85.6 70.8 110.8

77 33.6 25.8 65.8

79 31.6 20.1 60.1

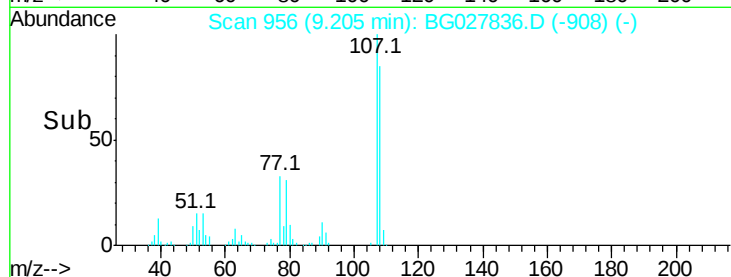


Abundance Ion 107.00 (106.70 to 107.70): E

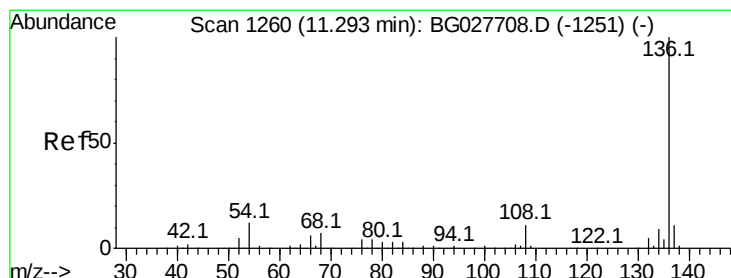
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.27 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Tgt Ion:136 Resp: 127446

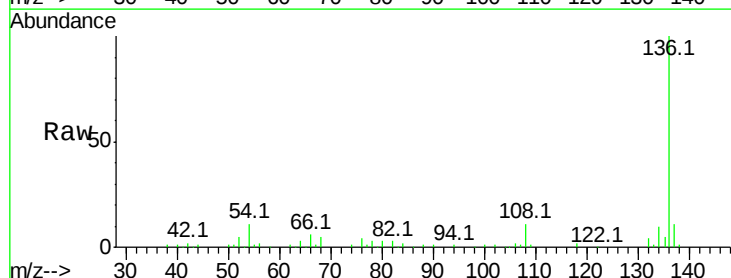
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.9 9.3 13.9

68 5.1 5.1 7.7

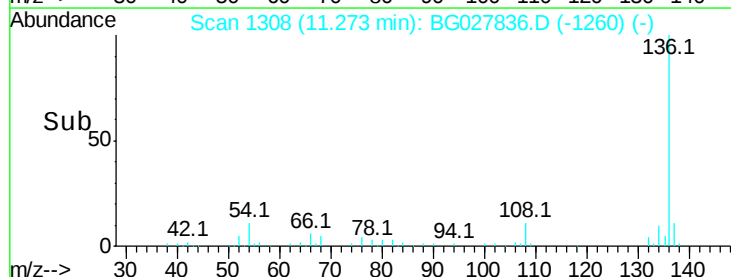


Abundance Ion 136.00 (135.70 to 136.70): E

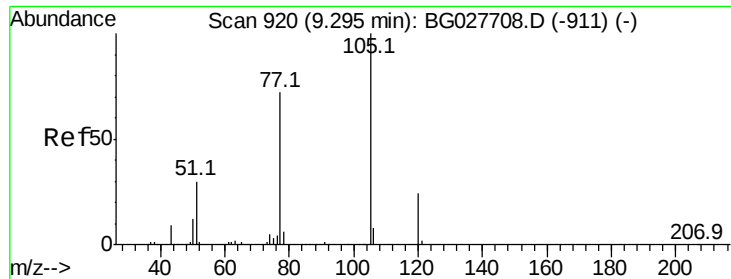
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



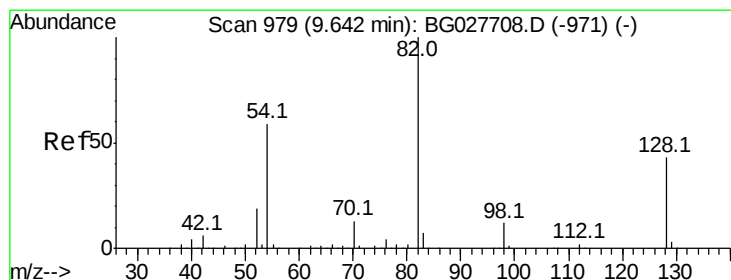
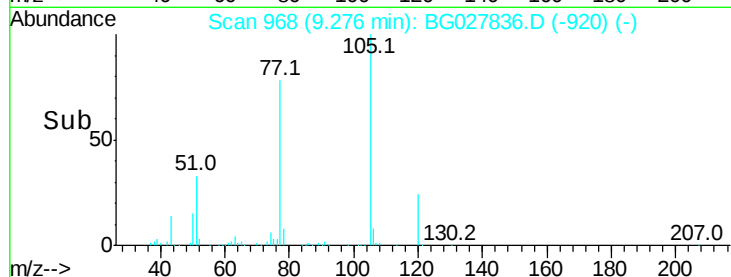
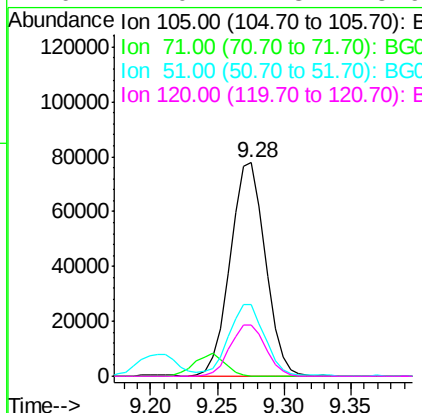
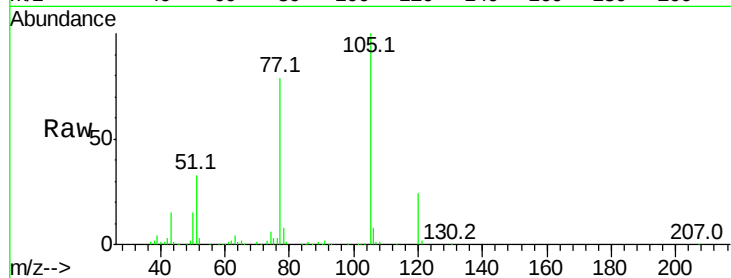
Time-->



#22  
Acetophenone  
Concen: 46.51 ng  
RT: 9.28 min Scan# 968  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

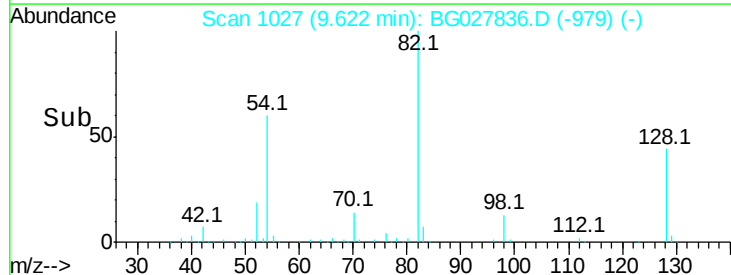
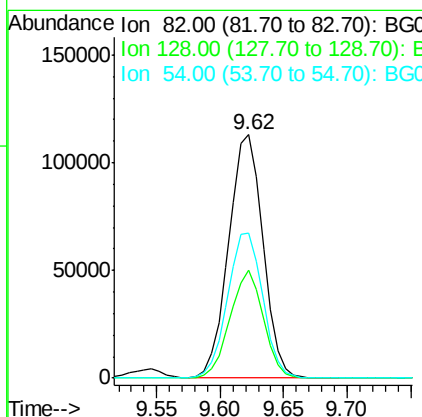
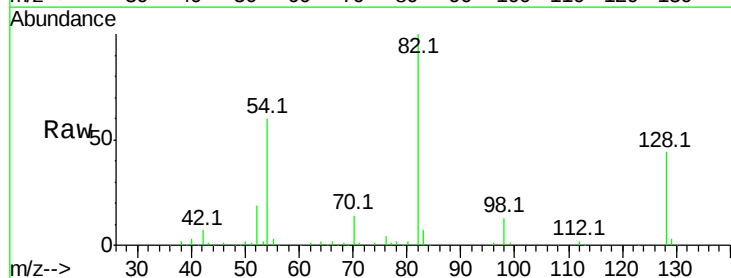
Instrument :  
BNA\_G  
ClientSampleId :

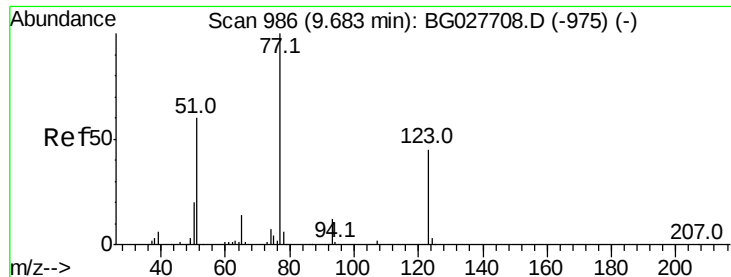
Tot Ion:105 Resp: 143037  
Ion Ratio Lower Upper  
105 100  
71 0.3 0.9 1.3#  
51 33.5 34.0 51.0#  
120 24.0 17.3 25.9



#23  
Nitrobenzene-d5  
Concen: 92.58 ng  
RT: 9.62 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion: 82 Resp: 211686  
Ion Ratio Lower Upper  
82 100  
128 44.2 26.4 39.6#  
54 59.8 49.4 74.2

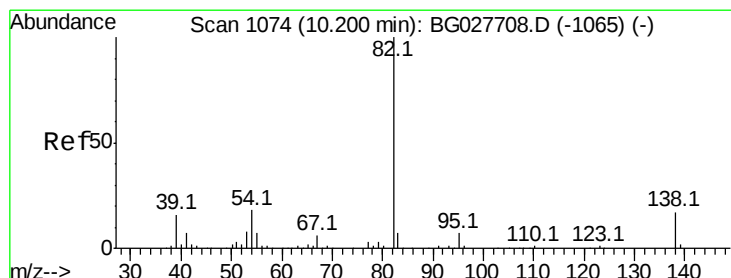
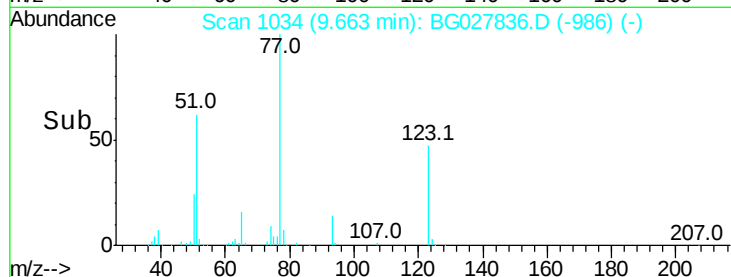
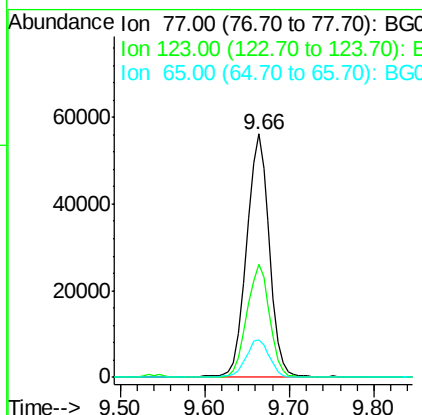
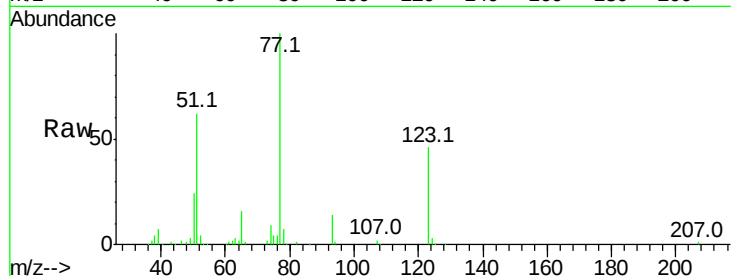




#24  
Nitrobenzene  
Concen: 44.07 ng  
RT: 9.66 min Scan# 1034  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

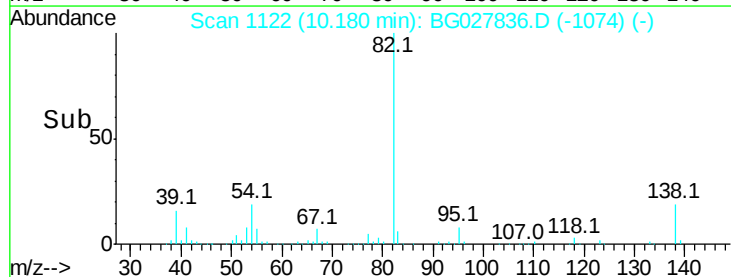
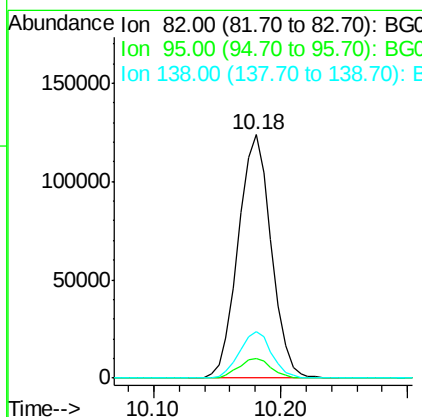
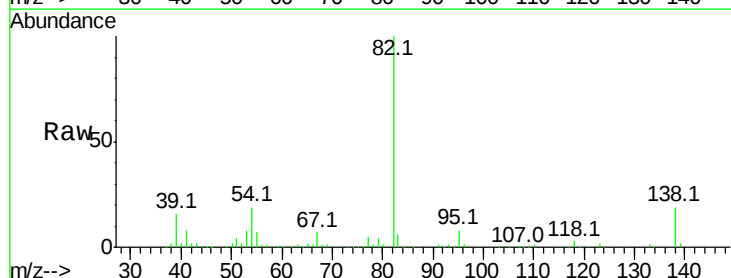
Instrument :  
BNA\_G  
ClientSampled :

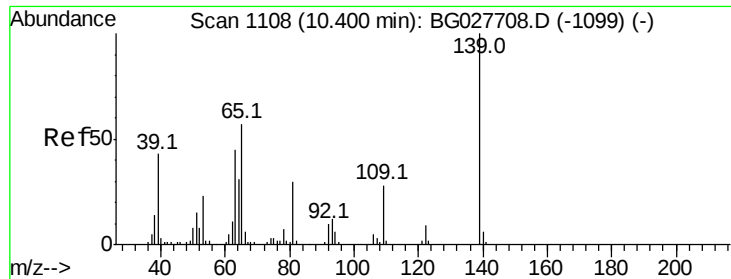
Tot Ion: 77 Resp: 105339  
Ion Ratio Lower Upper  
77 100  
123 46.4 26.1 39.1#  
65 15.5 12.4 18.6



#25  
Isophorone  
Concen: 44.87 ng  
RT: 10.18 min Scan# 1122  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion: 82 Resp: 223626  
Ion Ratio Lower Upper  
82 100  
95 7.9 7.5 11.3  
138 19.2 12.3 18.5#

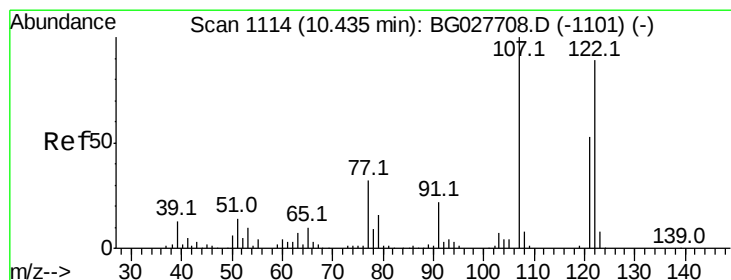
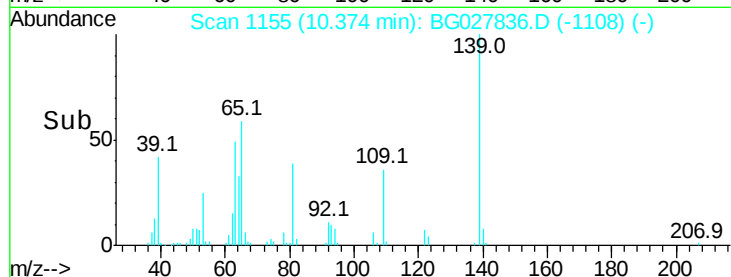
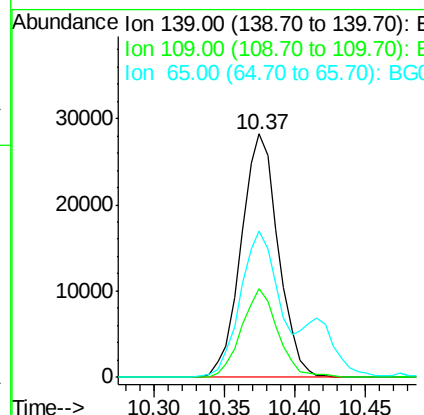
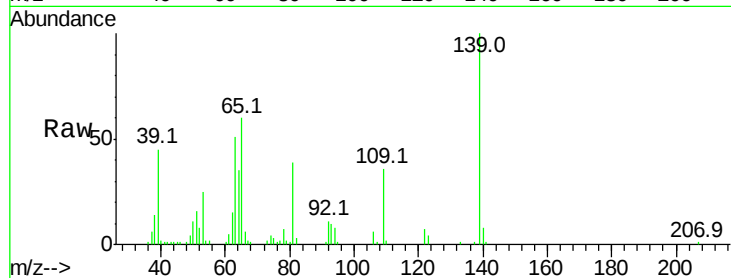




#26  
2-Nitrophenol  
Concen: 47.94 ng  
RT: 10.37 min Scan# 1155  
Delta R.T. -0.03 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

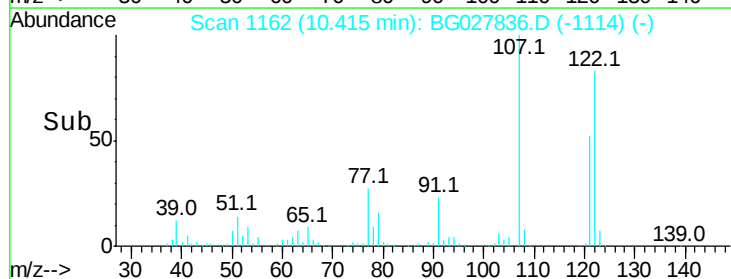
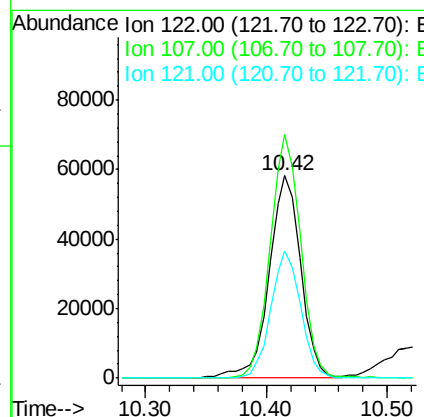
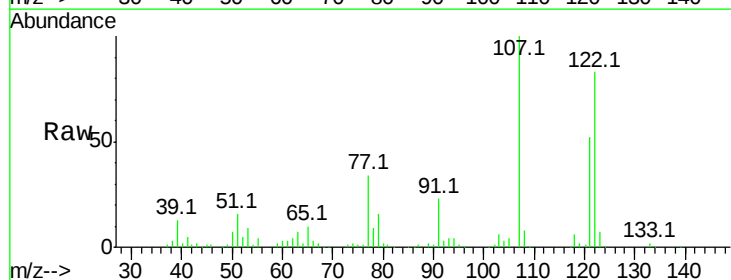
Instrument :  
BNA\_G  
ClientSampled :

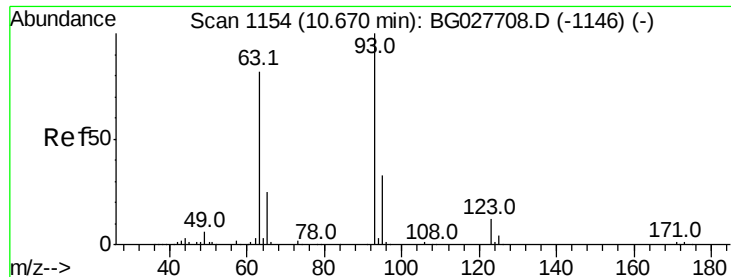
Tot Ion:139 Resp: 51760  
Ion Ratio Lower Upper  
139 100  
109 36.5 38.6 58.0#  
65 59.9 57.1 85.7



#27  
2,4-Dimethylphenol  
Concen: 52.04 ng  
RT: 10.42 min Scan# 1162  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:122 Resp: 105245  
Ion Ratio Lower Upper  
122 100  
107 120.2 104.2 156.4  
121 62.6 46.0 69.0

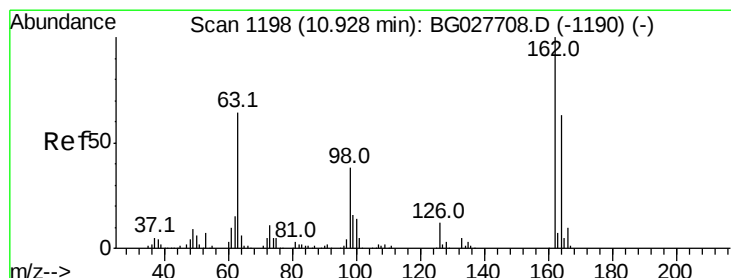
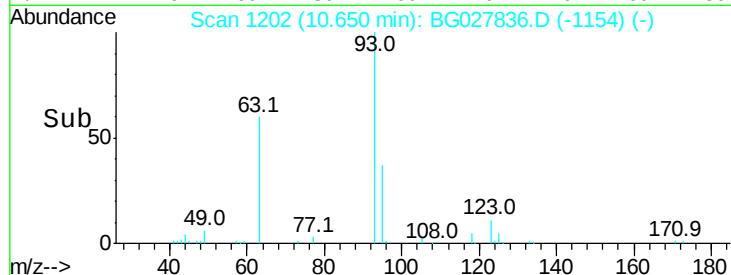
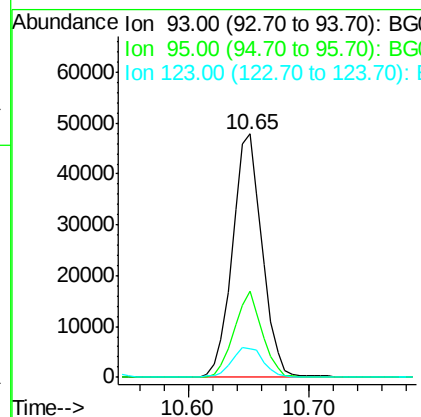
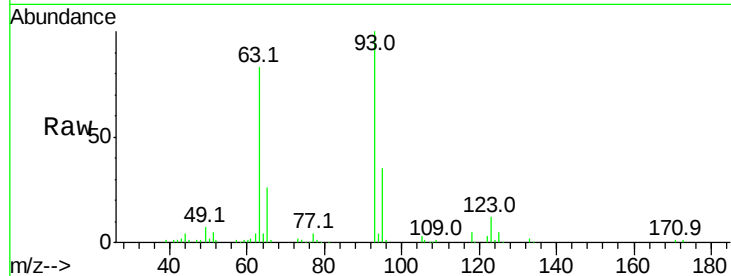




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 28.87 ng  
 RT: 10.65 min Scan# 1202  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

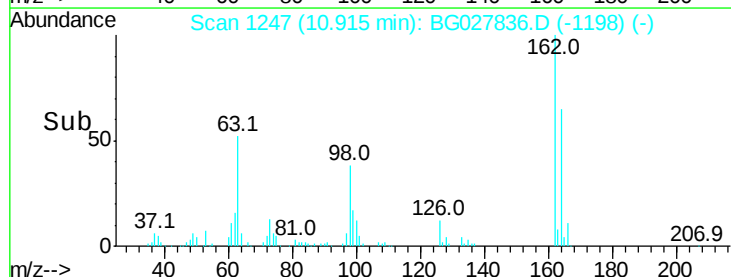
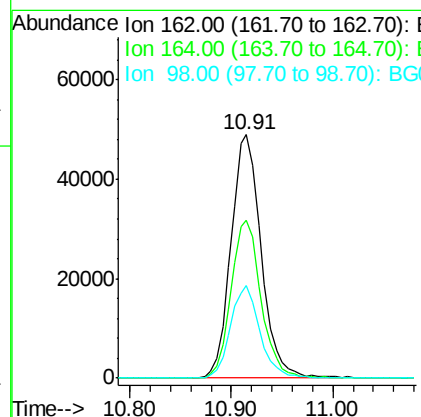
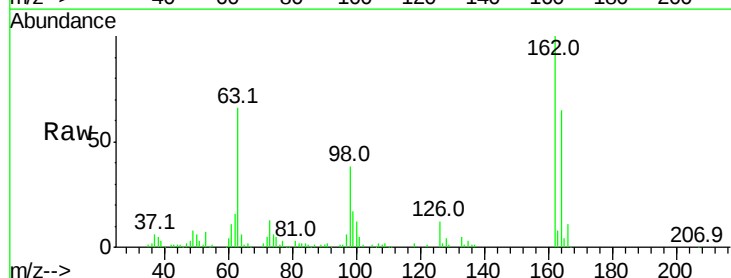
Instrument :  
 BNA\_G  
 ClientSampleId :

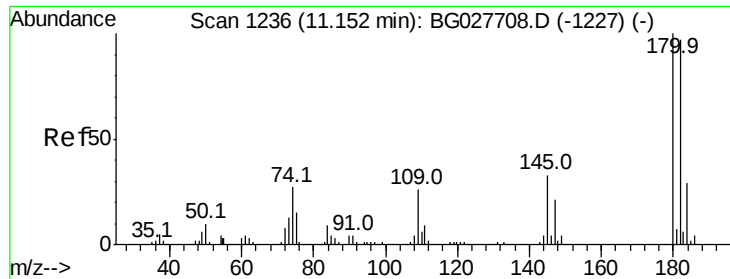
Tot Ion: 93 Resp: 81573  
 Ion Ratio Lower Upper  
 93 100  
 95 35.4 25.7 38.5  
 123 11.8 8.3 12.5



#29  
 2,4-Dichlorophenol  
 Concen: 56.94 ng  
 RT: 10.91 min Scan# 1247  
 Delta R.T. -0.01 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:162 Resp: 100913  
 Ion Ratio Lower Upper  
 162 100  
 164 64.6 42.4 82.4  
 98 38.1 20.3 60.3

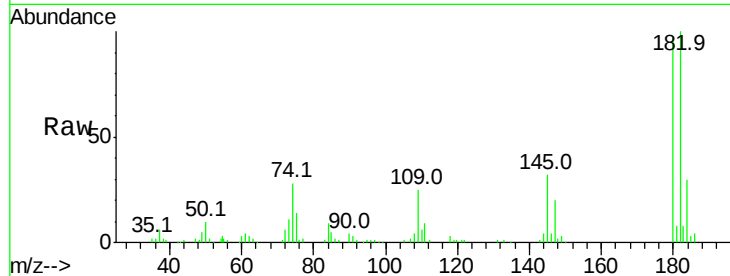




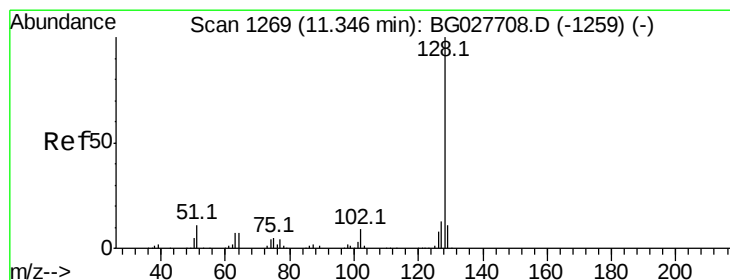
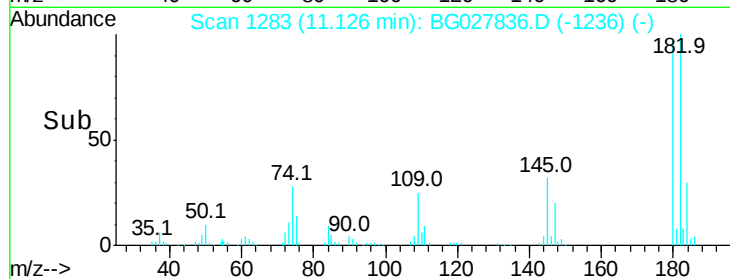
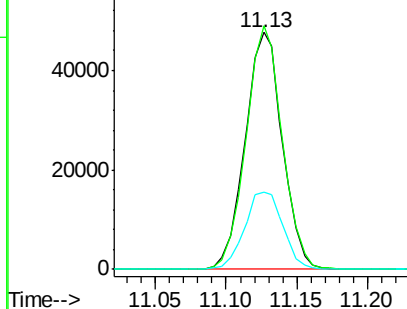
#30  
 1,2,4-Trichlorobenzene  
 Concen: 48.63 ng  
 RT: 11.13 min Scan# 1283  
 Delta R.T. -0.03 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:180 Resp: 87905  
 Ion Ratio Lower Upper  
 180 100  
 182 102.8 77.0 115.4  
 145 32.7 23.4 35.0

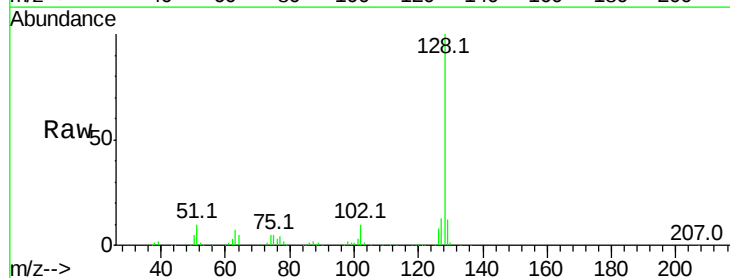


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

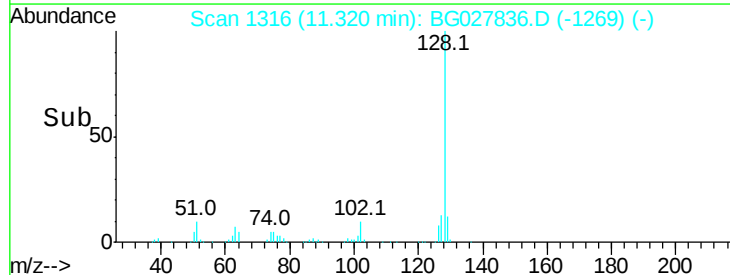
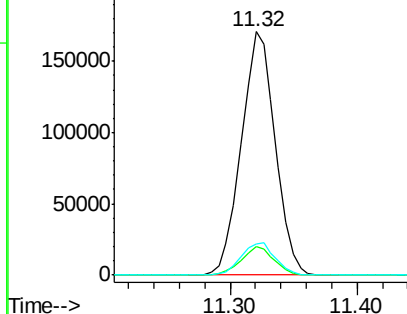


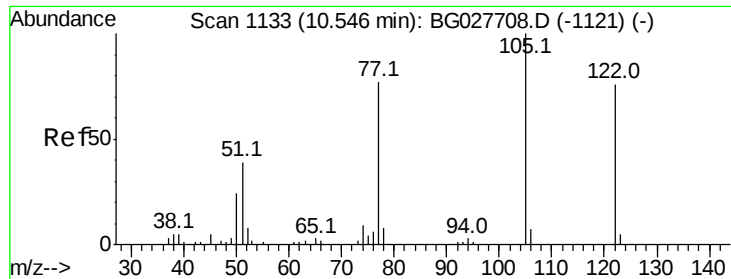
#31  
 Naphthalene  
 Concen: 46.61 ng  
 RT: 11.32 min Scan# 1316  
 Delta R.T. -0.03 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:128 Resp: 315899  
 Ion Ratio Lower Upper  
 128 100  
 129 11.6 9.3 13.9  
 127 12.7 11.4 17.0



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





#32

Benzoic acid

Concen: 26.58 ng

RT: 10.52 min Scan# 1180

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

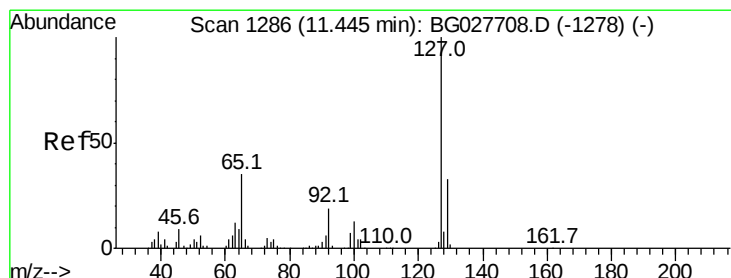
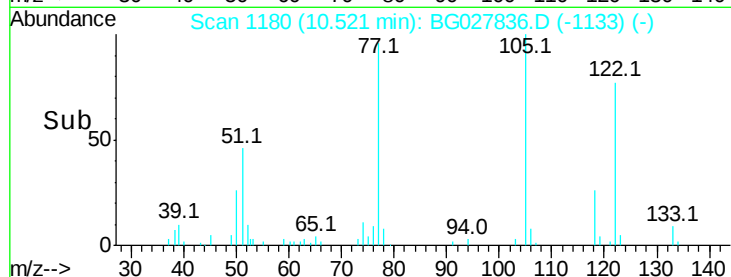
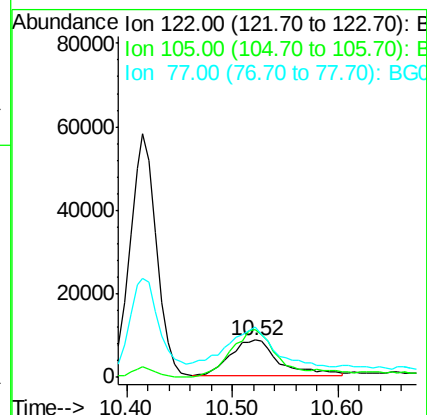
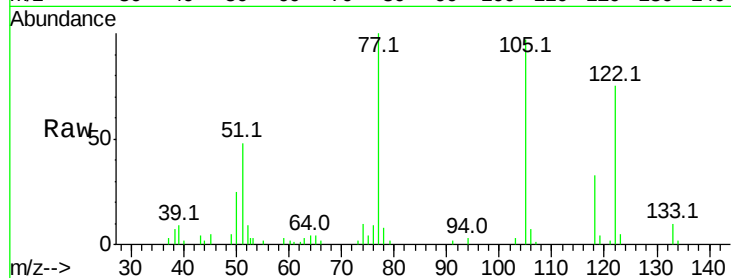
Tot Ion:122 Resp: 26860

Ion Ratio Lower Upper

122 100

105 129.2 120.1 160.1

77 133.1 104.6 144.6



#33

4-Chloroaniline

Concen: 14.49 ng

RT: 11.33 min Scan# 1317

Delta R.T. -0.12 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Tgt Ion:127 Resp: 42426

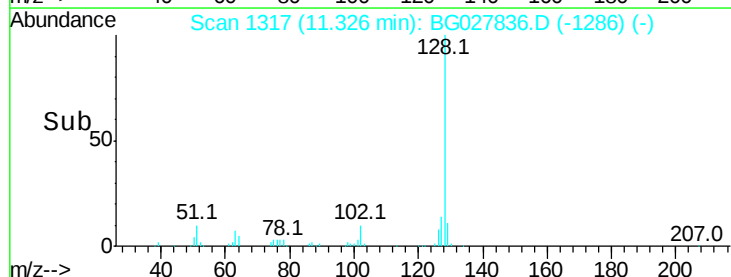
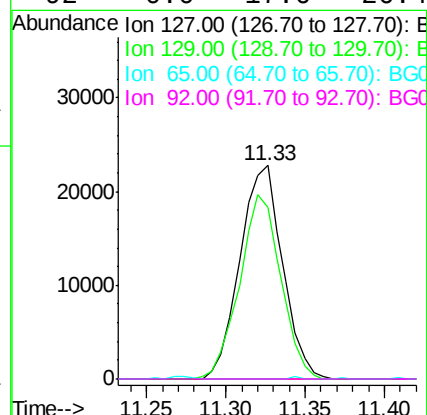
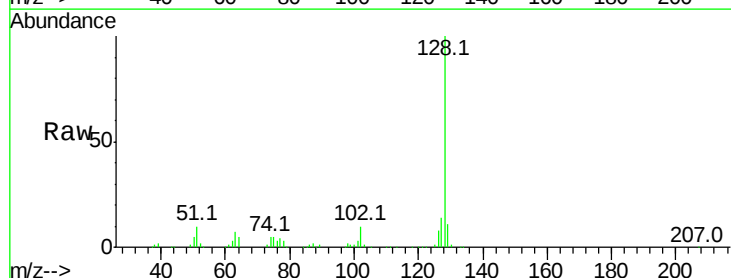
Ion Ratio Lower Upper

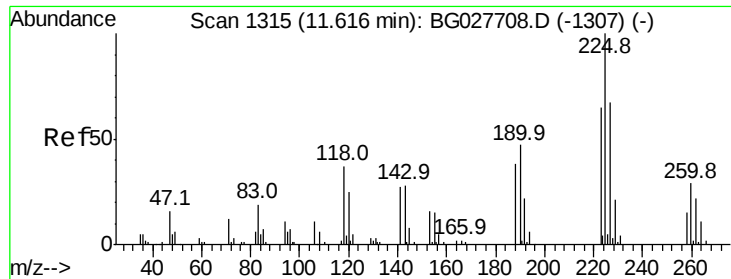
127 100

129 80.1 23.6 35.4#

65 0.0 37.7 56.5#

92 0.0 17.6 26.4#





#34

Hexachlorobutadiene

Concen: 53.50 ng

RT: 11.59 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampled :

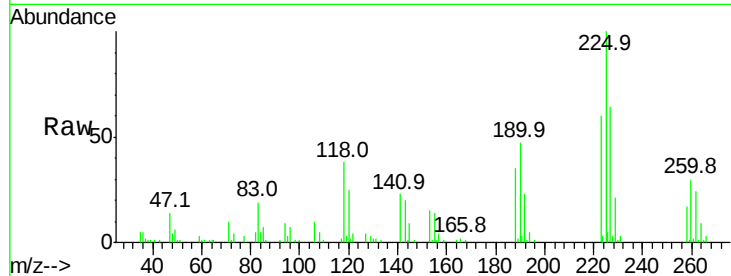
Tot Ion:225 Resp: 53886

Ion Ratio Lower Upper

225 100

223 60.3 50.7 76.1

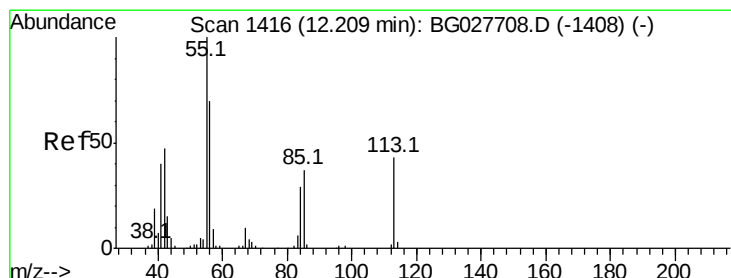
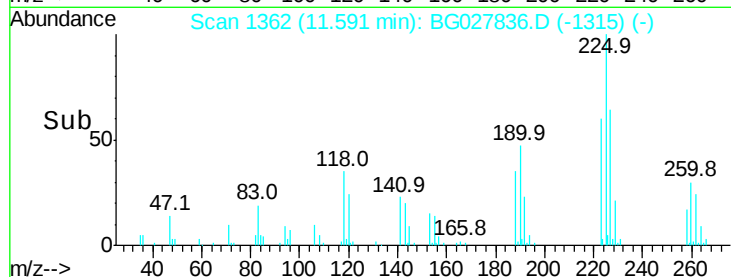
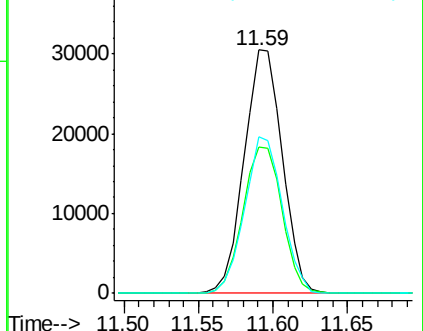
227 64.2 49.0 73.6



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 26.52 ng

RT: 12.24 min Scan# 1473

Delta R.T. 0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

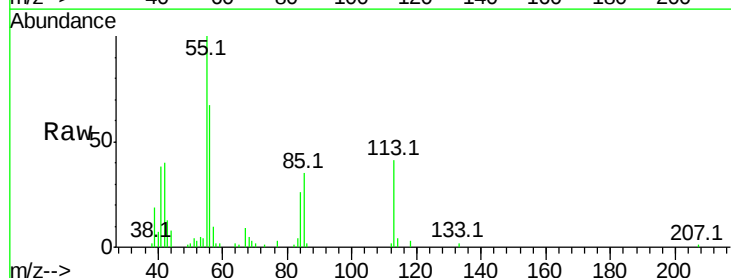
Tgt Ion:113 Resp: 23641

Ion Ratio Lower Upper

113 100

55 244.9 198.6 238.6#

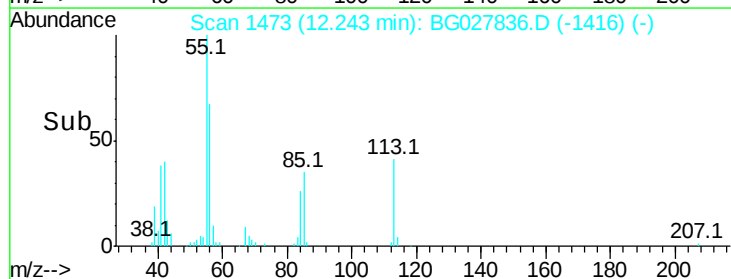
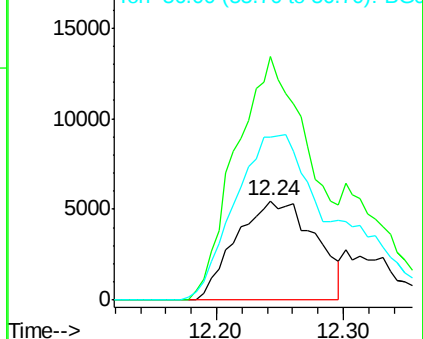
56 164.2 140.4 180.4

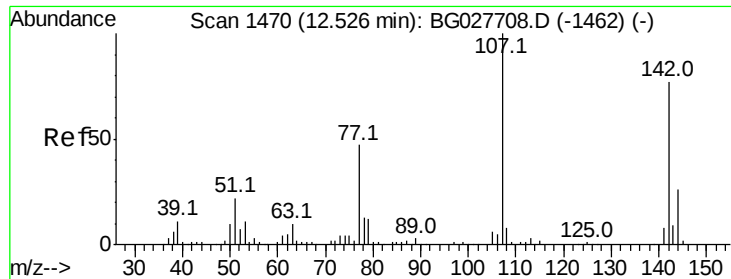


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

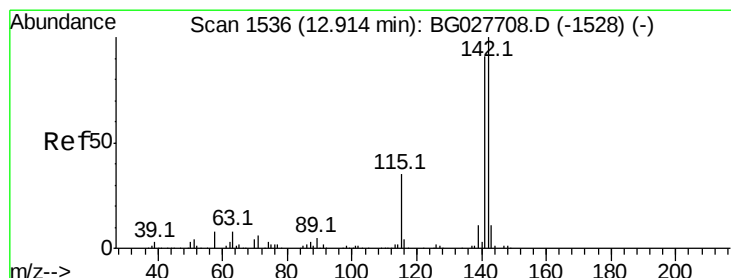
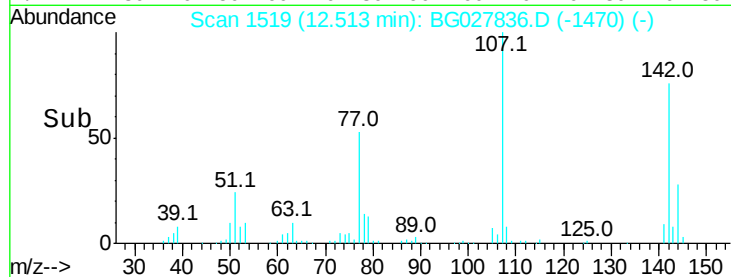
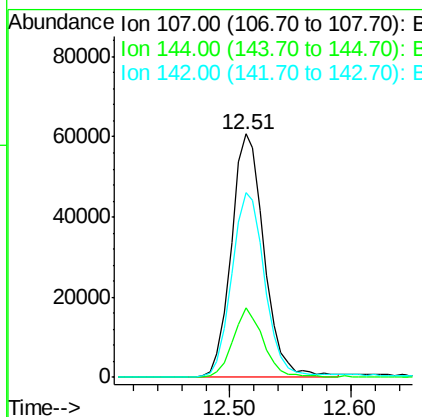
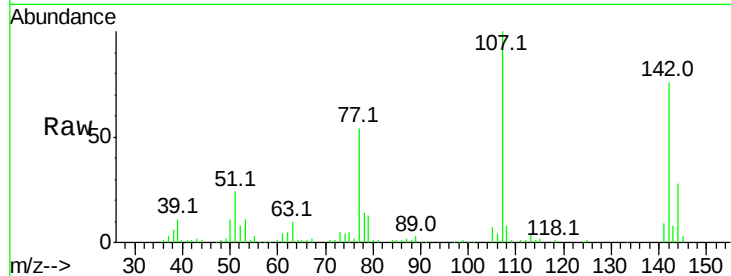




#36  
 4-Chloro-3-methylphenol  
 Concen: 46.17 ng  
 RT: 12.51 min Scan# 1519  
 Delta R.T. -0.01 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

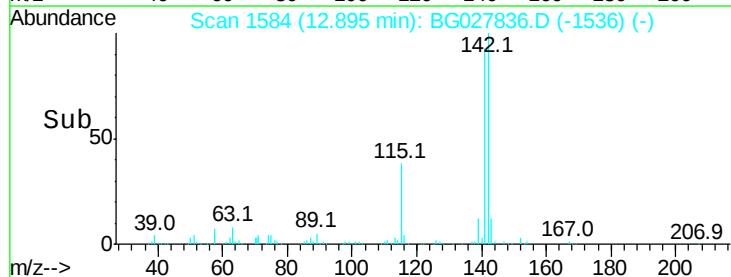
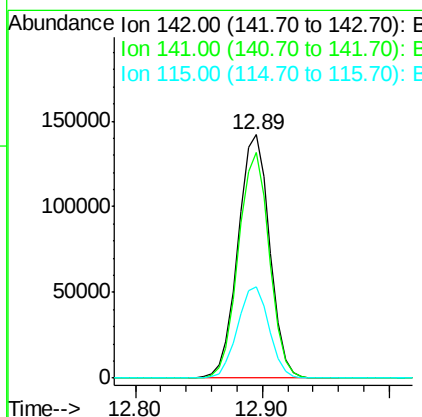
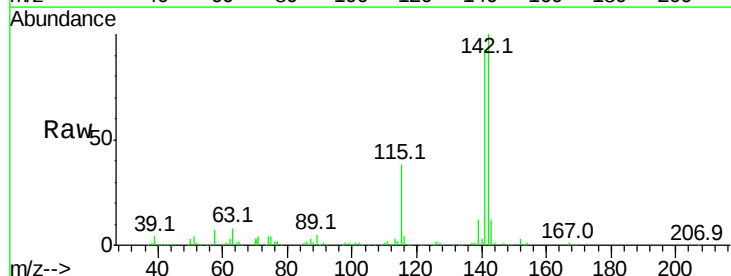
Instrument :  
 BNA\_G  
 ClientSampled :

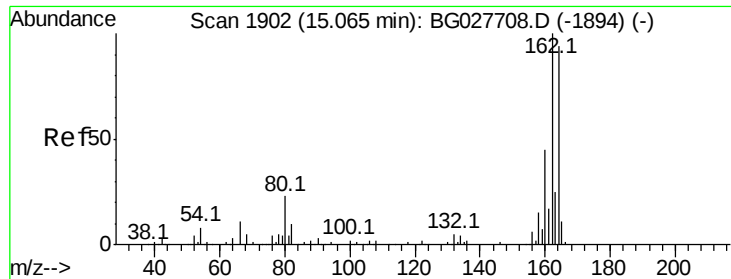
Tot Ion:107 Resp: 115142  
 Ion Ratio Lower Upper  
 107 100  
 144 28.3 17.4 26.0#  
 142 75.7 54.1 81.1



#37  
 2-Methylnaphthalene  
 Concen: 48.52 ng  
 RT: 12.89 min Scan# 1584  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:142 Resp: 244926  
 Ion Ratio Lower Upper  
 142 100  
 141 92.7 70.4 105.6  
 115 37.6 35.5 53.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.05 min Scan# 1950

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

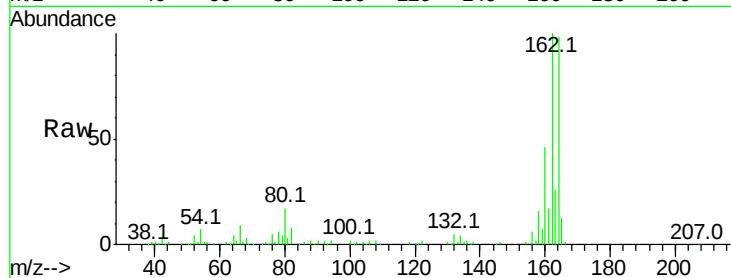
Tot Ion:164 Resp: 85061

Ion Ratio Lower Upper

164 100

162 102.1 85.1 127.7

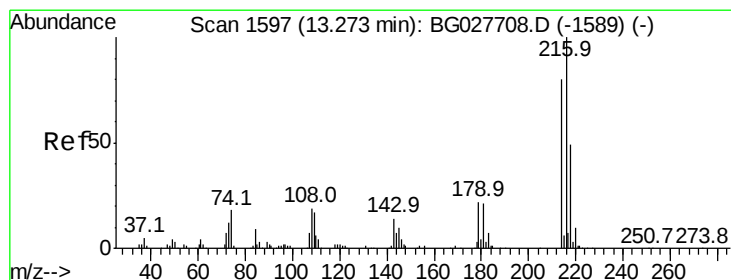
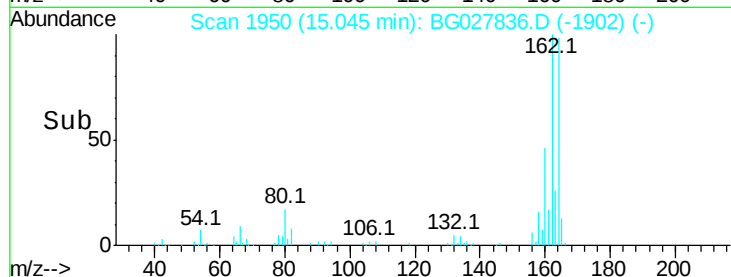
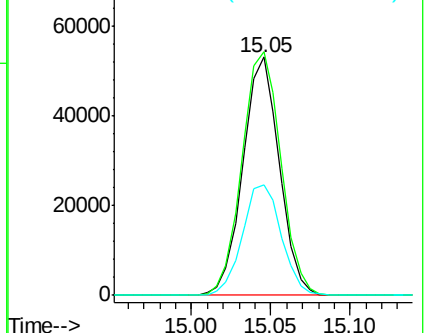
160 46.5 34.7 52.1



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: 51.64 ng

RT: 13.25 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Tgt Ion:216 Resp: 115436

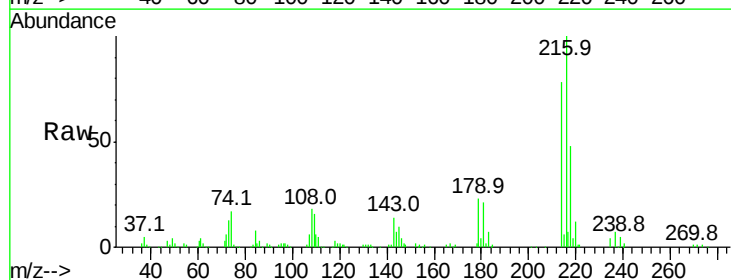
Ion Ratio Lower Upper

216 100

214 79.2 64.4 96.6

179 22.6 17.4 26.0

108 22.0 15.6 23.4

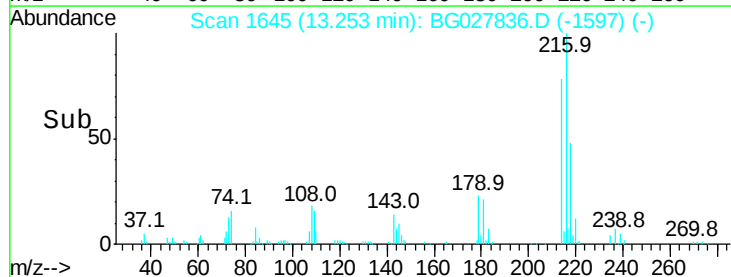
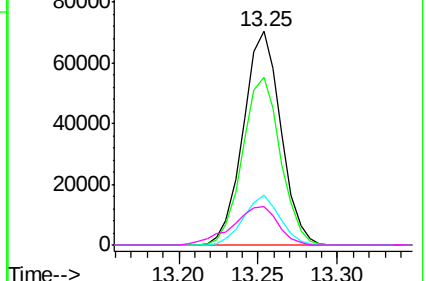


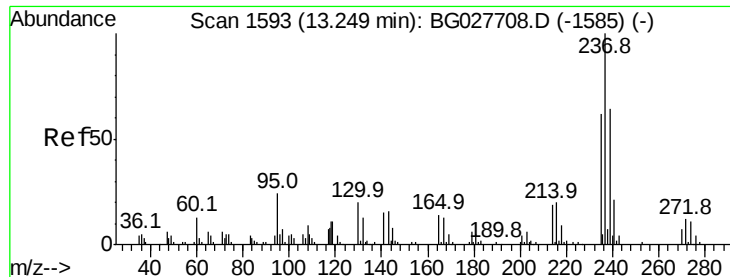
Abundance Ion 216.00 (215.70 to 216.70): E

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: 135.99 ng

RT: 13.23 min Scan# 1641

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

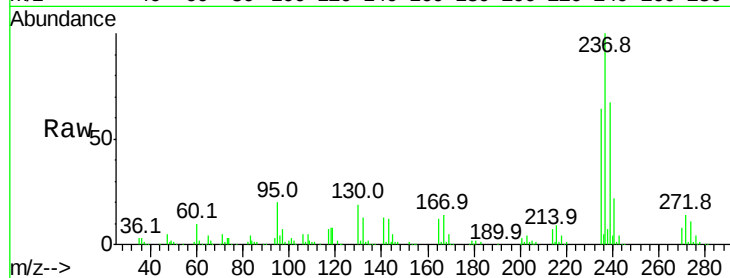
Tot Ion:237 Resp: 143321

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.5  | 39.4  | 79.4  |
| 272 | 13.7  | 0.0   | 32.0  |

237 100

235 63.5 39.4 79.4

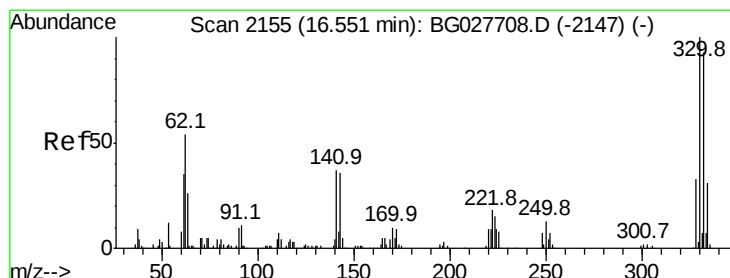
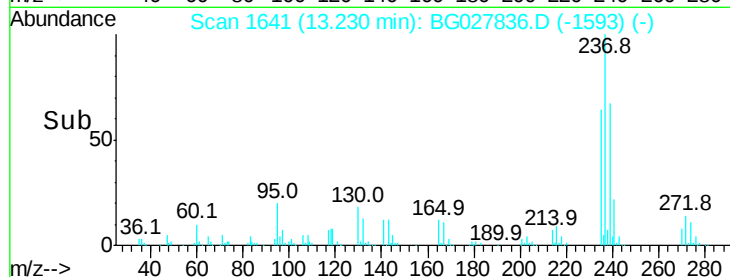
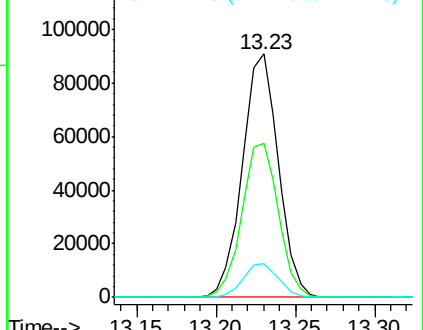
272 13.7 0.0 32.0



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: 205.99 ng

RT: 16.53 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

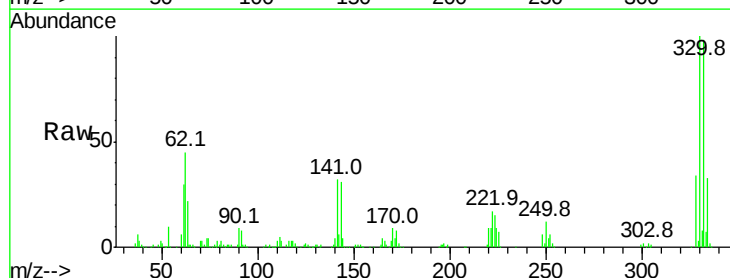
Tgt Ion:330 Resp: 240330

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.1  | 77.3  | 115.9 |
| 141 | 33.4  | 32.1  | 48.1  |

330 100

332 96.1 77.3 115.9

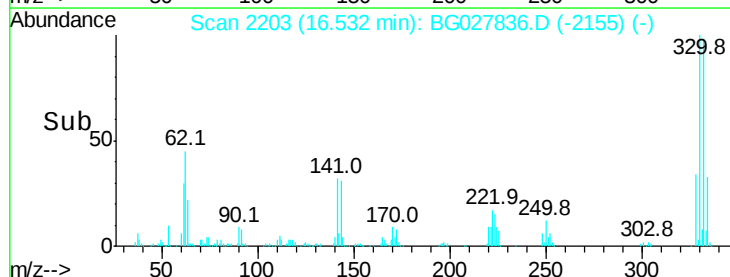
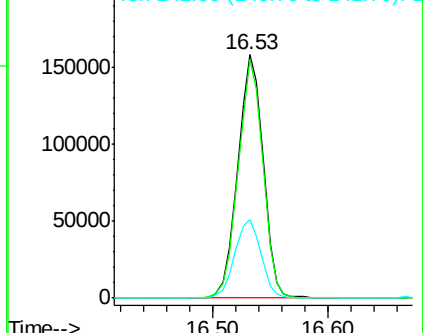
141 33.4 32.1 48.1

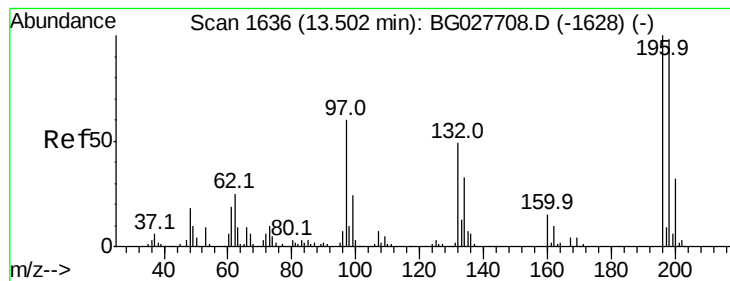


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 56.53 ng

RT: 13.48 min Scan# 1684

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampled :

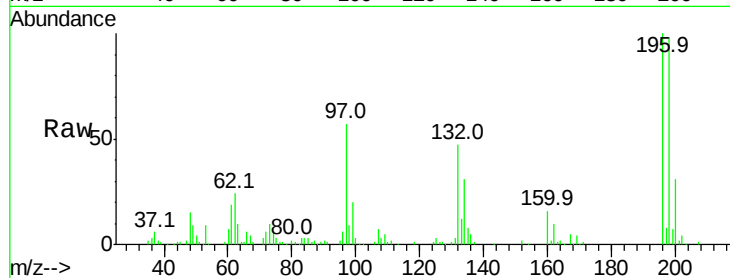
Tot Ion:196 Resp: 91267

Ion Ratio Lower Upper

196 100

198 98.3 81.4 122.2

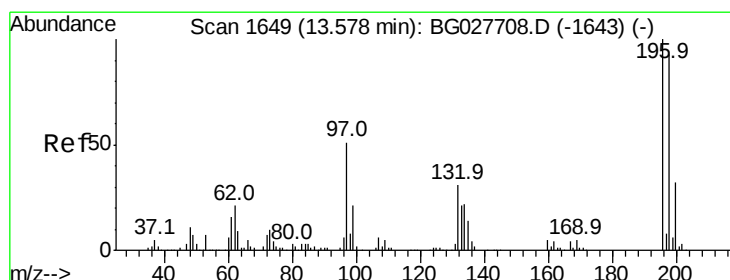
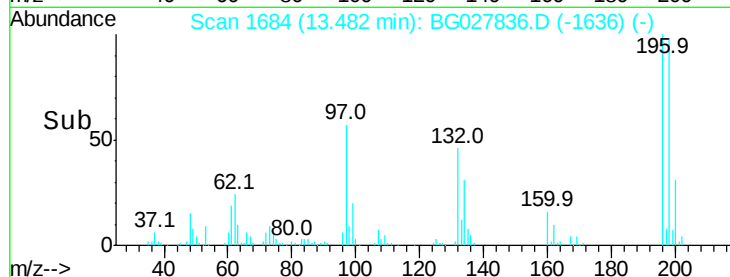
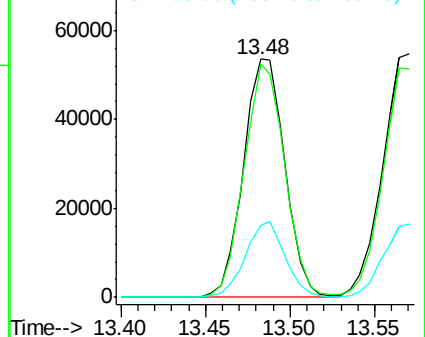
200 30.5 27.0 40.6



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: 54.42 ng

RT: 13.57 min Scan# 1699

Delta R.T. -0.01 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Tgt Ion:196 Resp: 99541

Ion Ratio Lower Upper

196 100

198 93.8 79.9 119.9

97 48.9 45.4 68.0

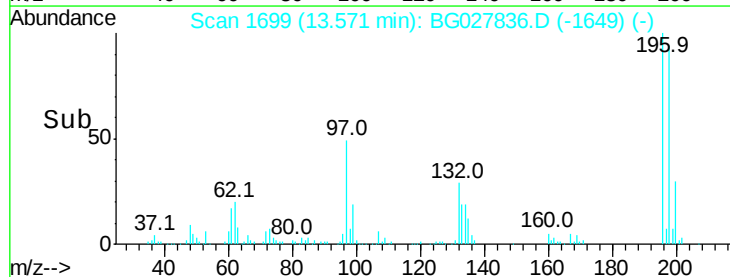
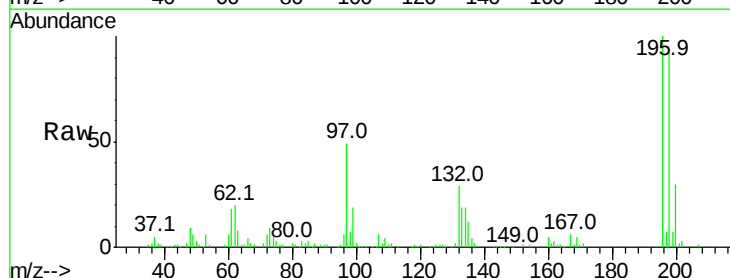
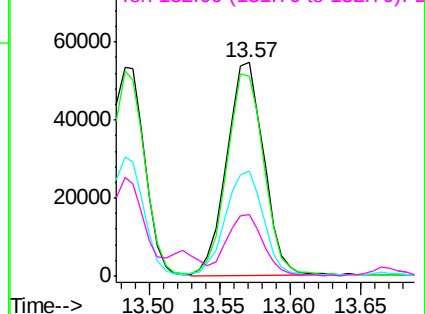
132 29.0 20.7 31.1

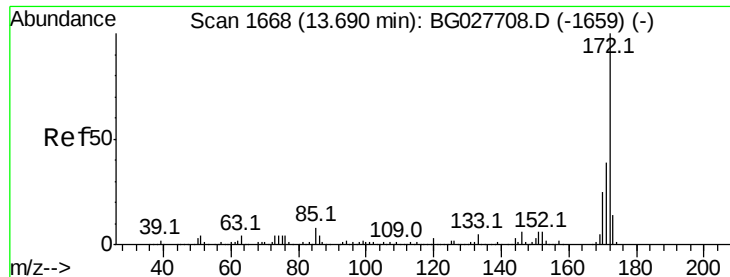
Abundance Ion 196.00 (195.70 to 196.70): E

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

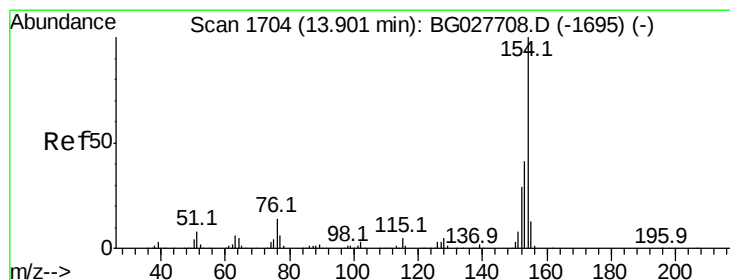
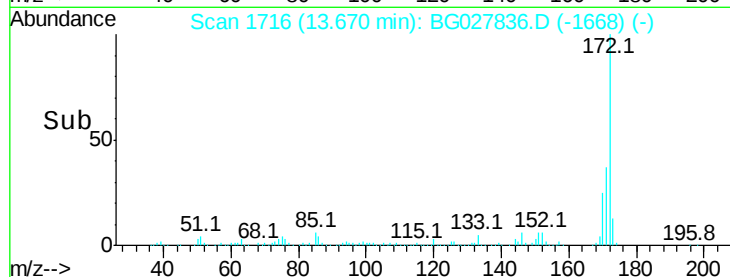
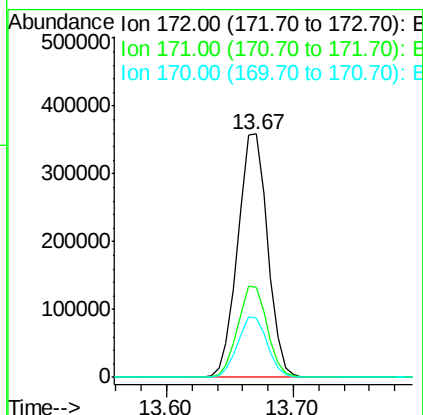
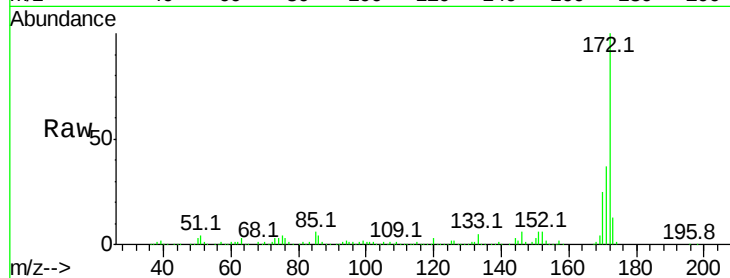




#44  
 2-Fluorobiphenyl  
 Concen: 98.03 ng  
 RT: 13.67 min Scan# 1716  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

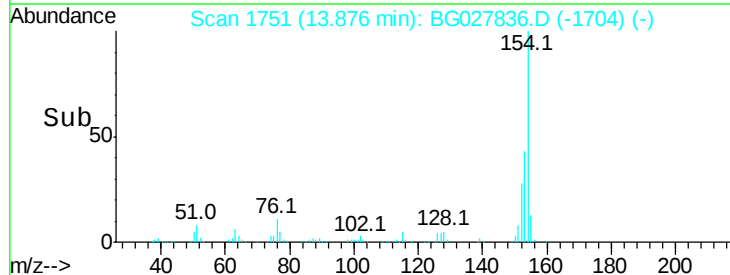
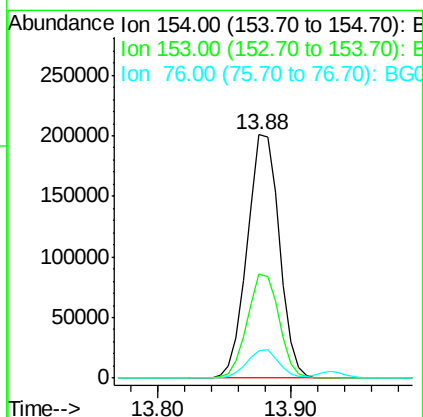
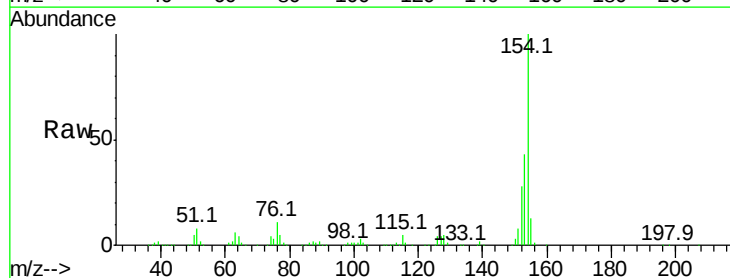
Instrument :  
 BNA\_G  
 ClientSampleId :

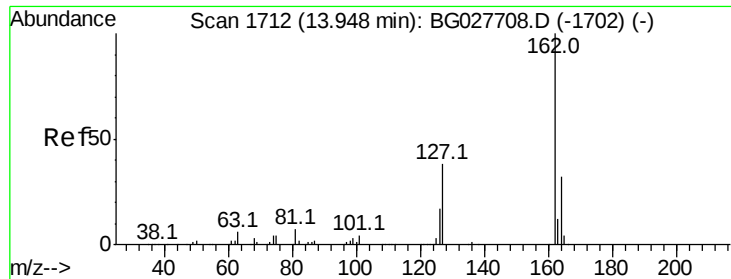
Tot Ion:172 Resp: 583883  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 32.2 48.2  
 170 24.6 21.8 32.6



#45  
 1,1'-Biphenyl  
 Concen: 48.58 ng  
 RT: 13.88 min Scan# 1751  
 Delta R.T. -0.03 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:154 Resp: 331215  
 Ion Ratio Lower Upper  
 154 100  
 153 42.7 23.0 63.0  
 76 11.2 0.0 33.5

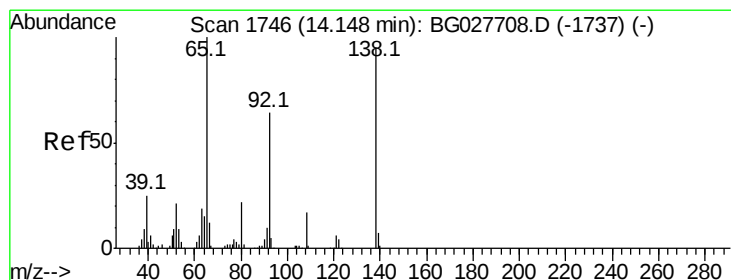
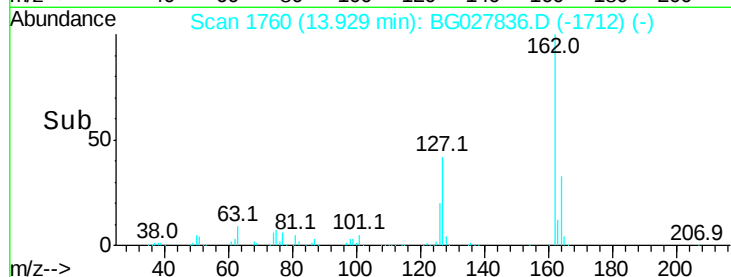
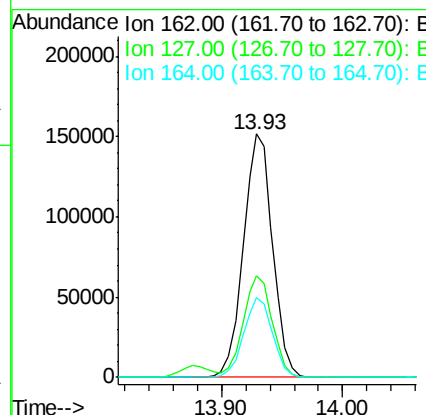
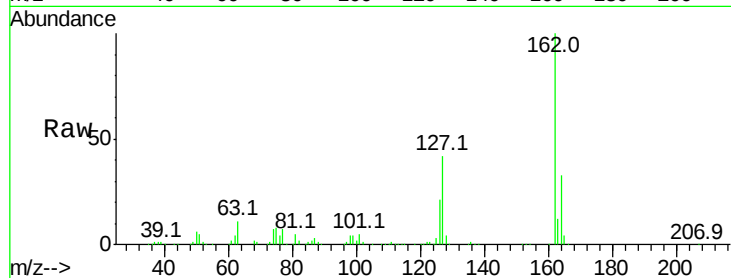




#46  
2-Chloronaphthalene  
Concen: 49.30 ng  
RT: 13.93 min Scan# 1760  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

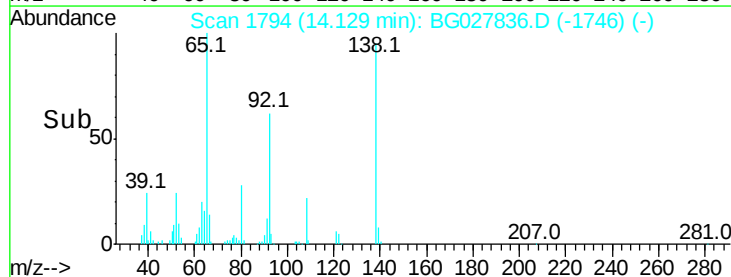
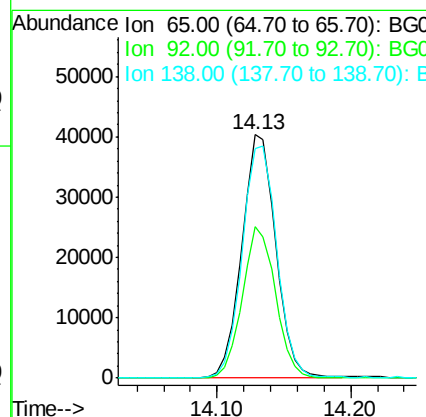
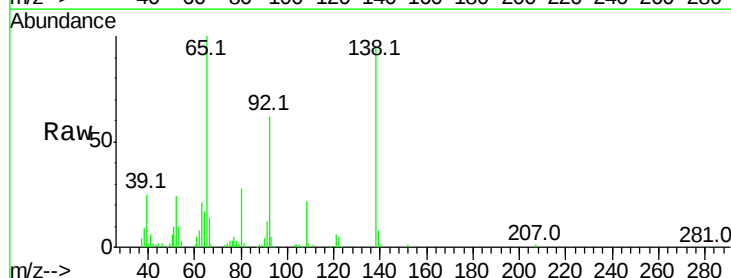
Instrument :  
BNA\_G  
ClientSampleId :

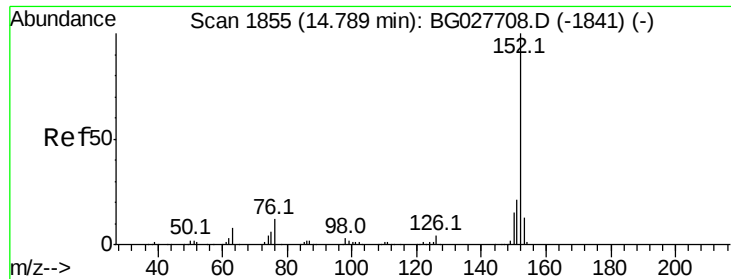
Tot Ion:162 Resp: 253889  
Ion Ratio Lower Upper  
162 100  
127 41.9 32.2 48.4  
164 32.9 27.3 40.9



#47  
2-Nitroaniline  
Concen: 34.41 ng  
RT: 14.13 min Scan# 1794  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion: 65 Resp: 70939  
Ion Ratio Lower Upper  
65 100  
92 62.1 49.0 73.4  
138 94.5 58.6 87.8#





#48

Acenaphthylene

Concen: 41.01 ng

RT: 14.77 min Scan# 1903

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

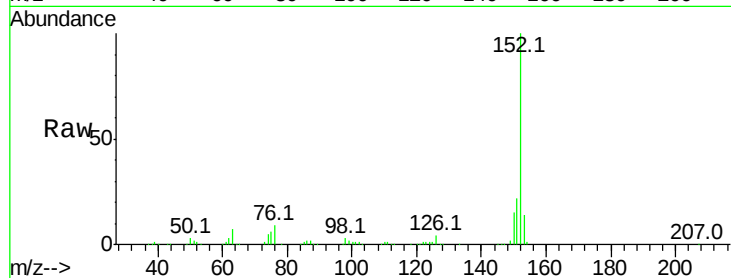
Tot Ion:152 Resp: 385949

Ion Ratio Lower Upper

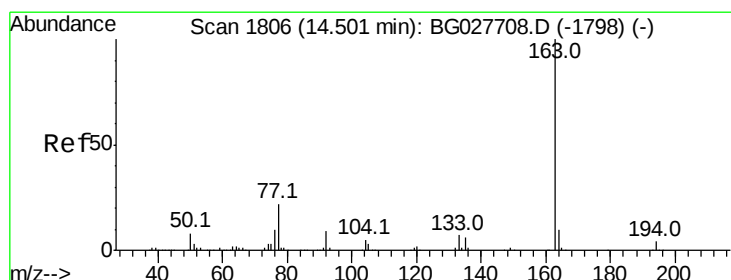
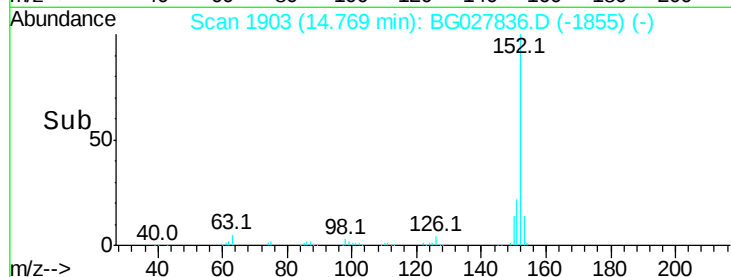
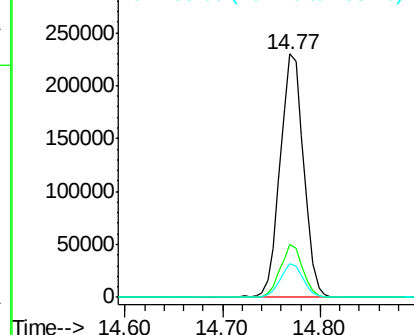
152 100

151 21.8 18.2 27.2

153 13.8 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: 53.83 ng

RT: 14.49 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

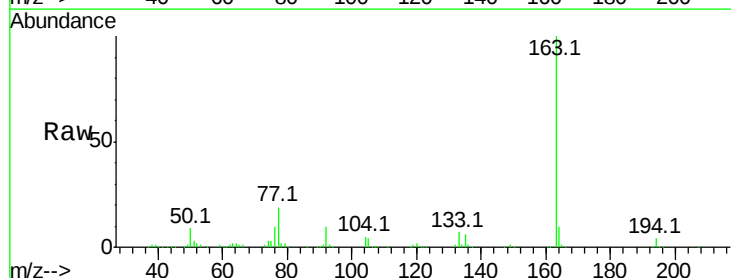
Tgt Ion:163 Resp: 390635

Ion Ratio Lower Upper

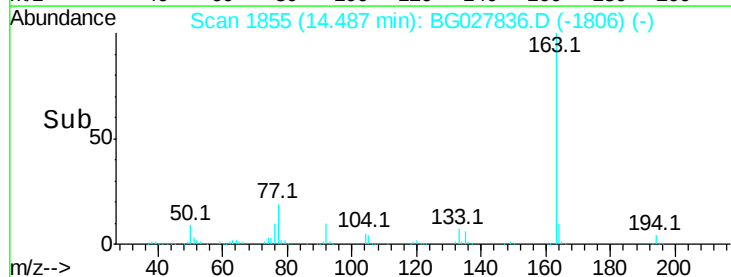
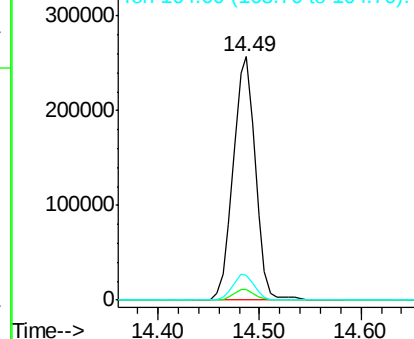
163 100

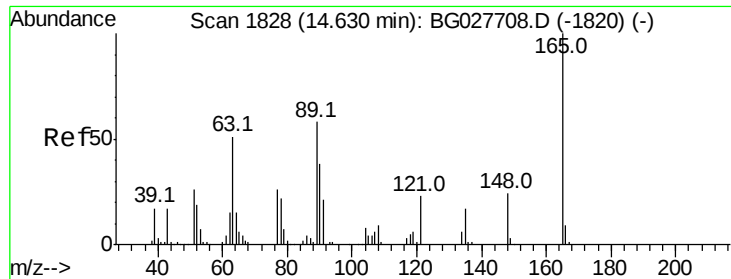
194 4.5 3.8 5.6

164 10.4 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

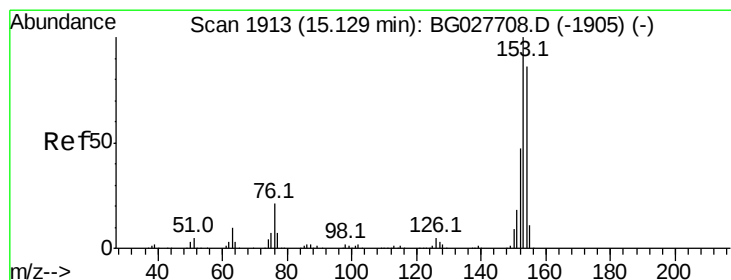
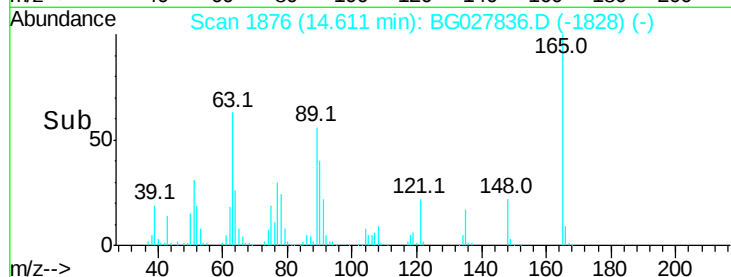
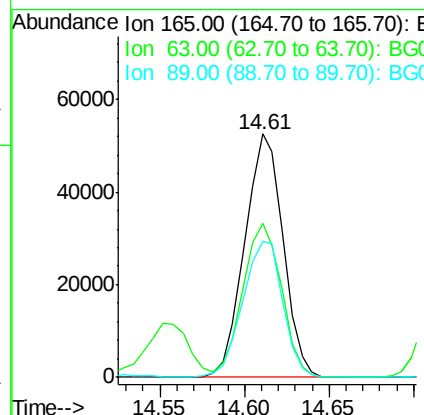
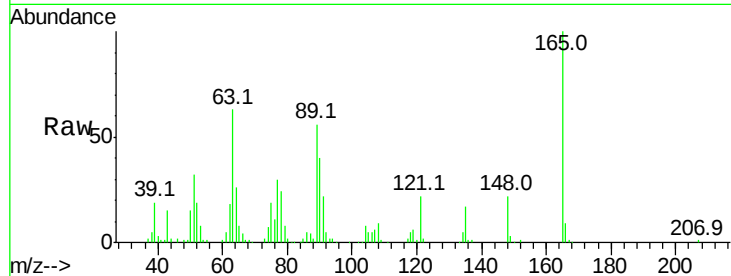




#50  
 2,6-Dinitrotoluene  
 Concen: 52.59 ng  
 RT: 14.61 min Scan# 1876  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

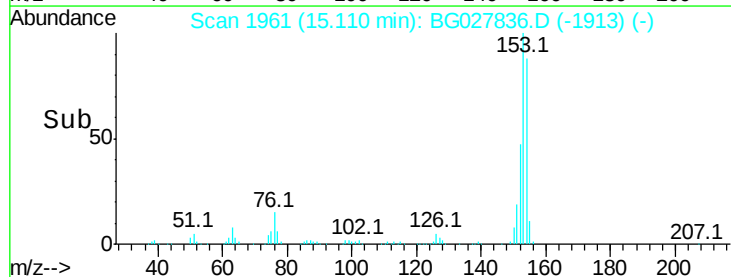
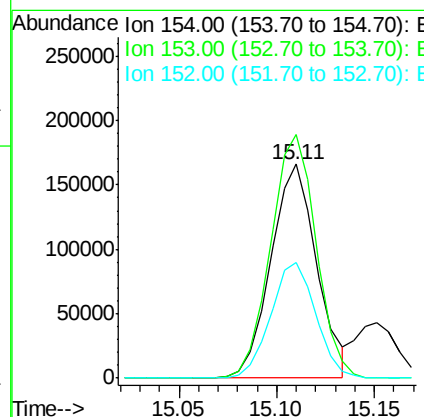
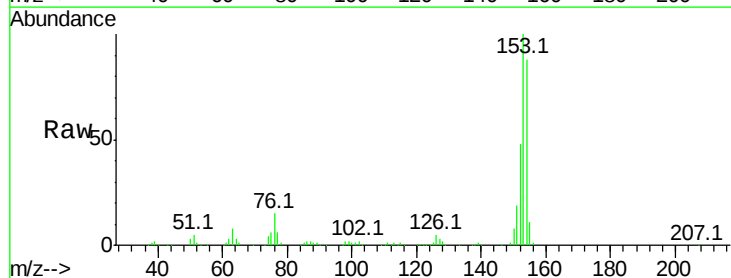
Instrument :  
 BNA\_G  
 ClientSampleId :

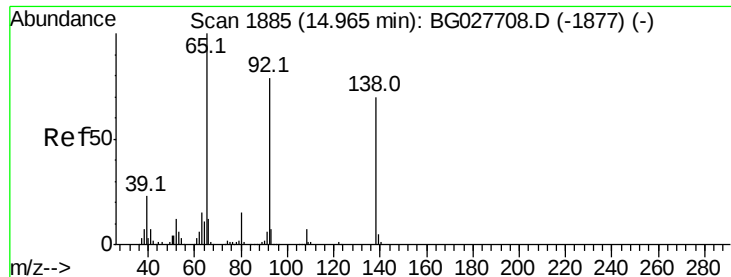
Tot Ion:165 Resp: 82953  
 Ion Ratio Lower Upper  
 165 100  
 63 63.4 63.9 95.9#  
 89 55.9 58.6 88.0#



#51  
 Acenaphthene  
 Concen: 44.52 ng  
 RT: 15.11 min Scan# 1961  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:154 Resp: 268568  
 Ion Ratio Lower Upper  
 154 100  
 153 114.0 87.8 131.6  
 152 54.1 42.2 63.4





#52

3-Nitroaniline

Concen: 12.59 ng

RT: 14.97 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

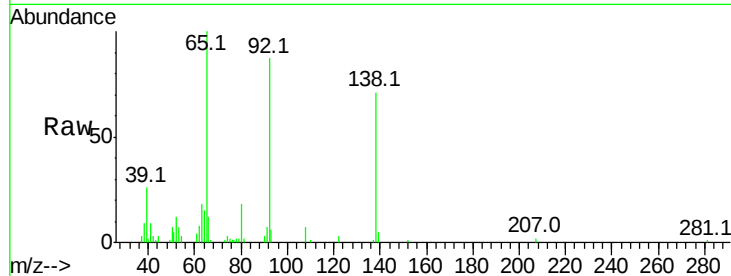
Tot Ion:138 Resp: 23357

Ion Ratio Lower Upper

138 100

108 10.4 10.9 16.3#

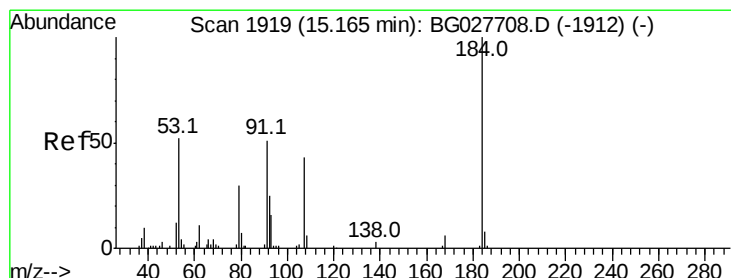
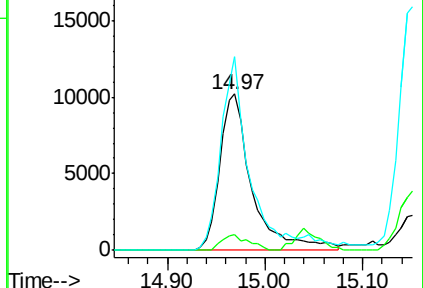
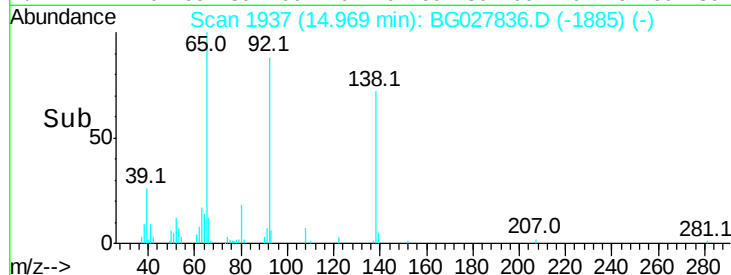
92 123.6 115.3 172.9



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



#53

2,4-Dinitrophenol

Concen: 122.20 ng

RT: 15.15 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

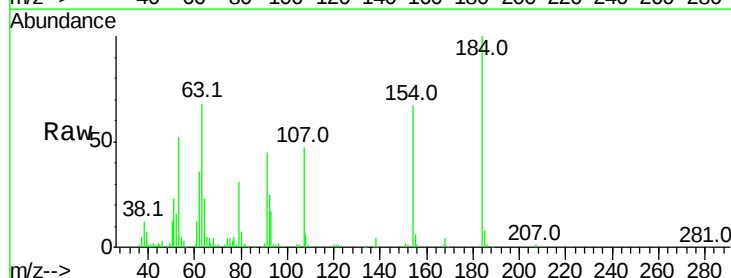
Tgt Ion:184 Resp: 110173

Ion Ratio Lower Upper

184 100

63 68.2 52.7 79.1

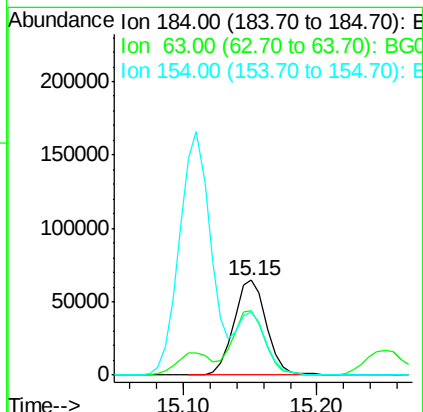
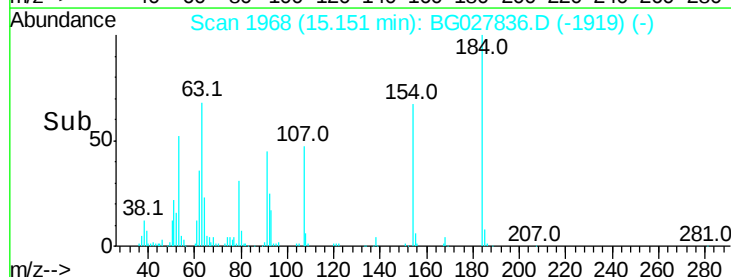
154 67.1 57.3 85.9

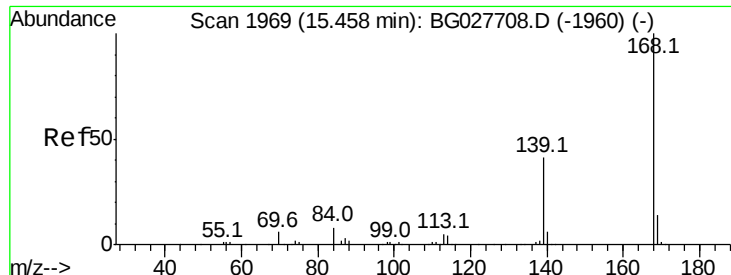


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

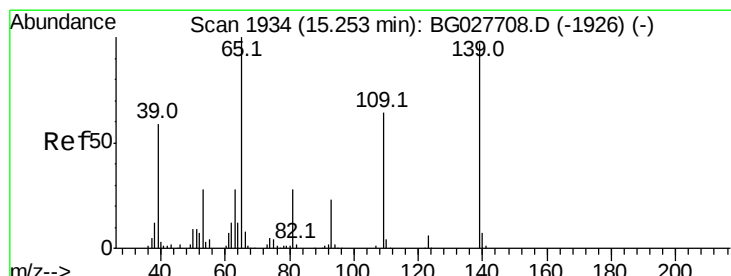
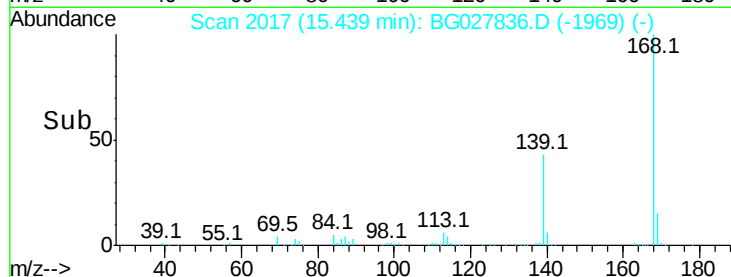
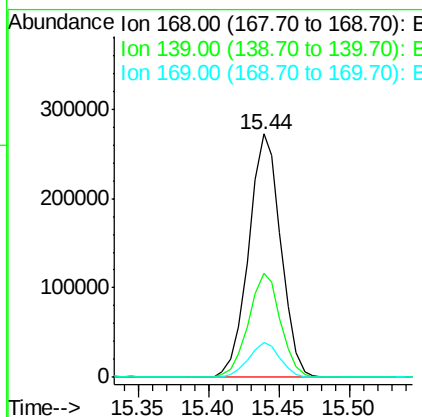
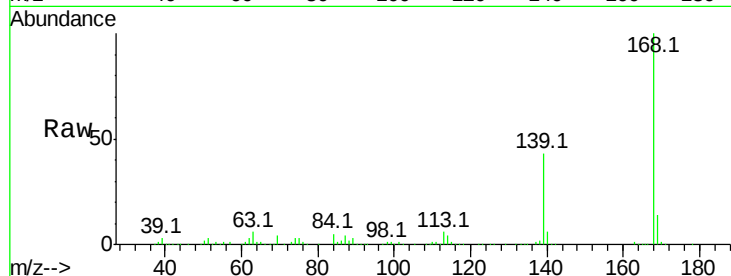




#54  
Dibenzofuran  
Concen: 54.35 ng  
RT: 15.44 min Scan# 2017  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

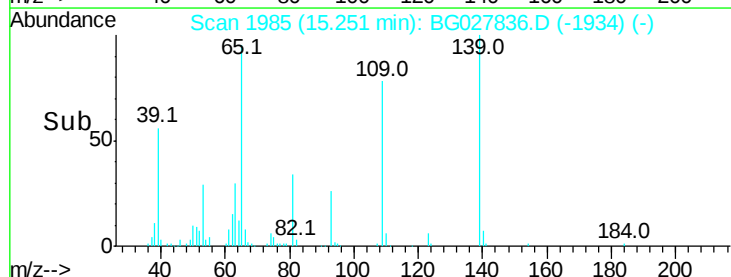
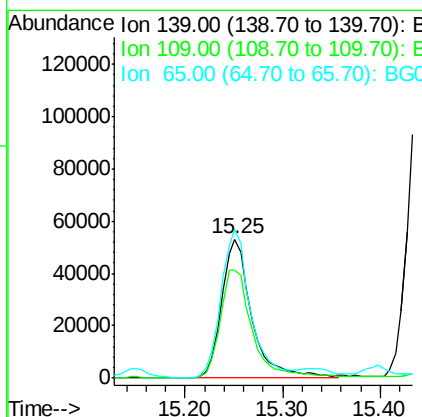
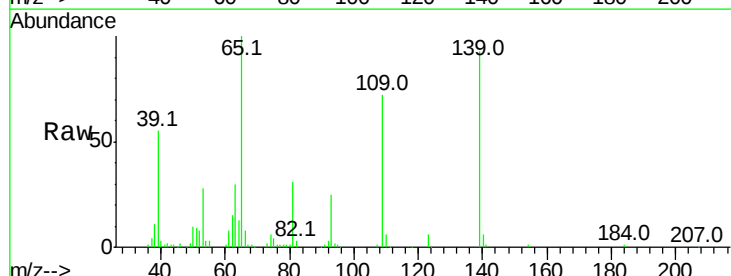
Instrument :  
BNA\_G  
ClientSampleId :

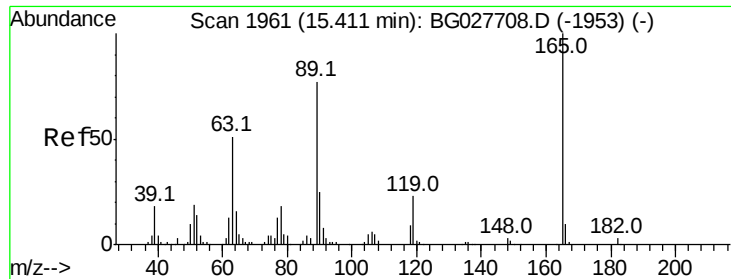
Tot Ion:168 Resp: 433466  
Ion Ratio Lower Upper  
168 100  
139 42.6 35.3 52.9  
169 14.5 11.5 17.3



#55  
4-Nitrophenol  
Concen: 80.56 ng  
RT: 15.25 min Scan# 1985  
Delta R.T. -0.00 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:139 Resp: 114114  
Ion Ratio Lower Upper  
139 100  
109 77.6 101.2 141.2#  
65 107.2 135.3 175.3#

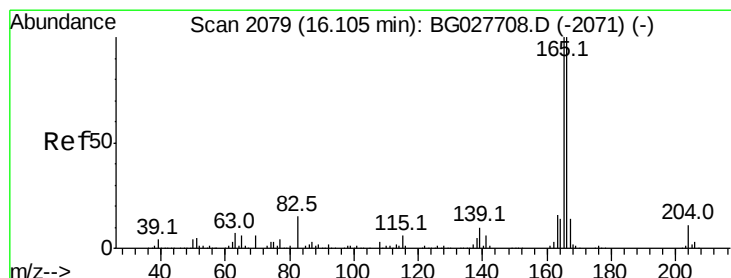
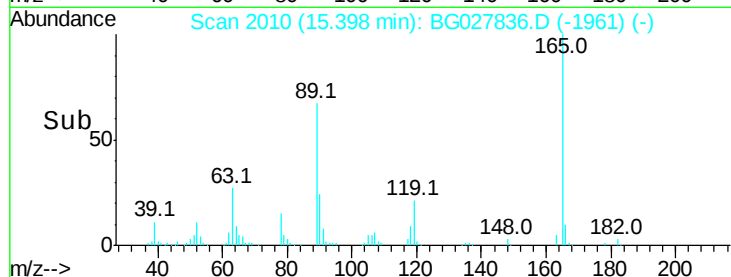
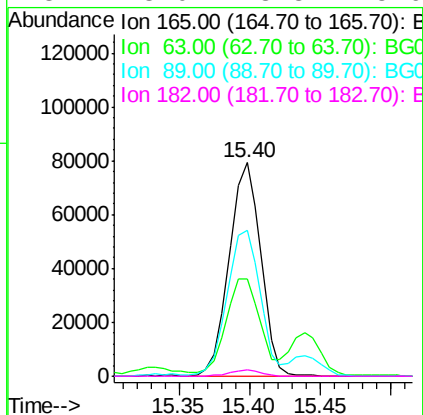
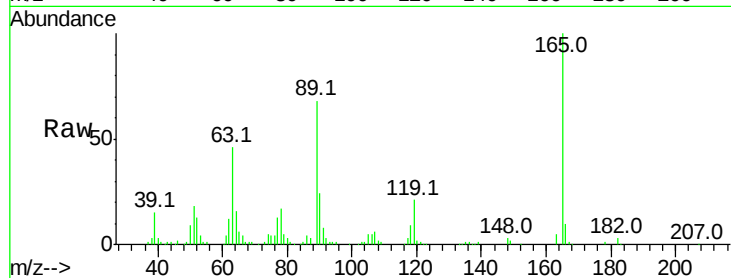




#56  
2,4-Dinitrotoluene  
Concen: 56.33 ng  
RT: 15.40 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

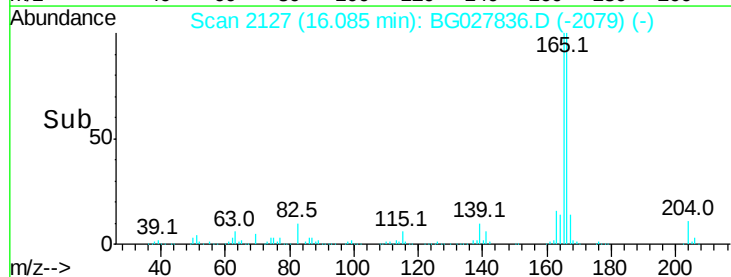
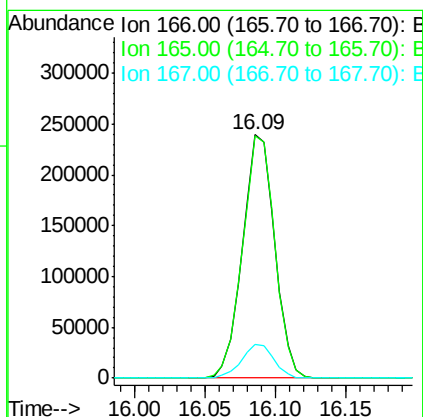
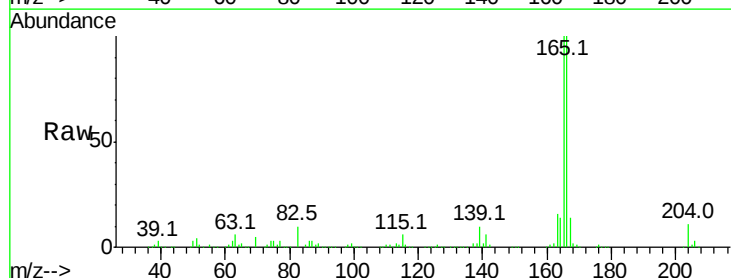
Instrument :  
BNA\_G  
ClientSampleId :

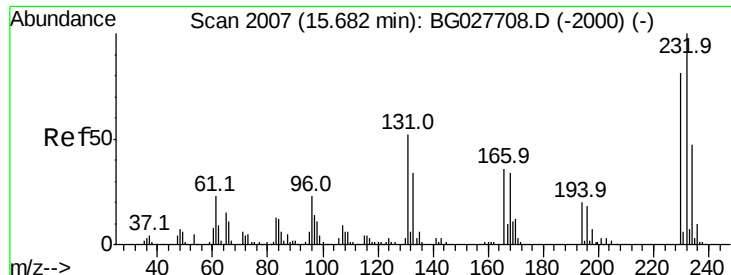
Tot Ion:165 Resp: 123925  
Ion Ratio Lower Upper  
165 100  
63 45.6 44.0 66.0  
89 68.4 67.3 100.9  
182 3.0 3.8 5.6#



#57  
Fluorene  
Concen: 49.38 ng  
RT: 16.09 min Scan# 2127  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:166 Resp: 381895  
Ion Ratio Lower Upper  
166 100  
165 99.6 78.6 117.8  
167 13.7 11.6 17.4

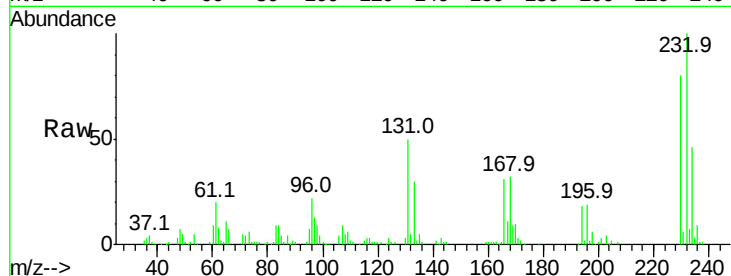




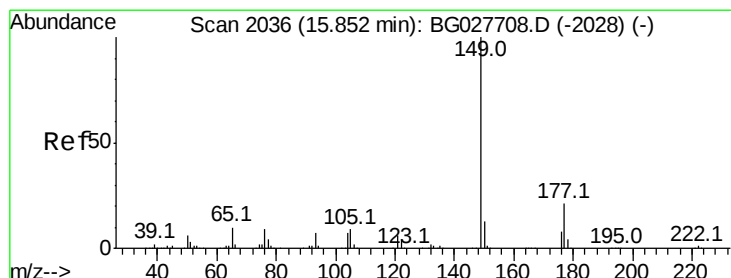
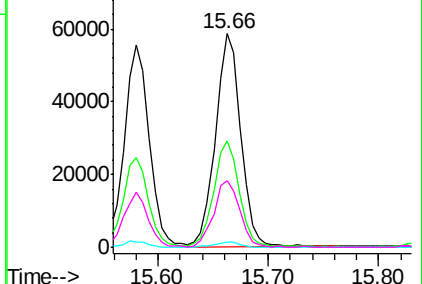
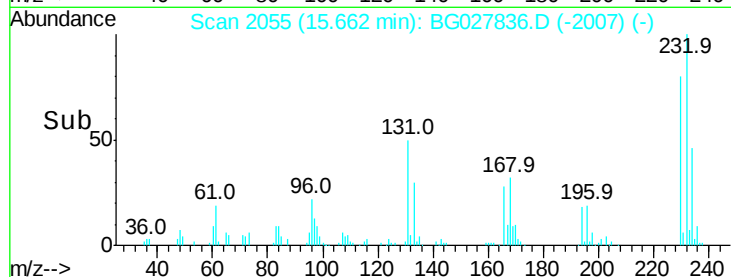
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 58.92 ng  
 RT: 15.66 min Scan# 2055  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:232 Resp: 92901  
 Ion Ratio Lower Upper  
 232 100  
 131 49.3 34.9 52.3  
 130 2.6 2.3 3.5  
 166 32.2 24.2 36.4

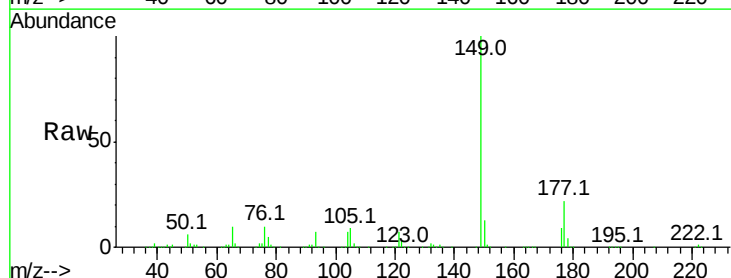


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

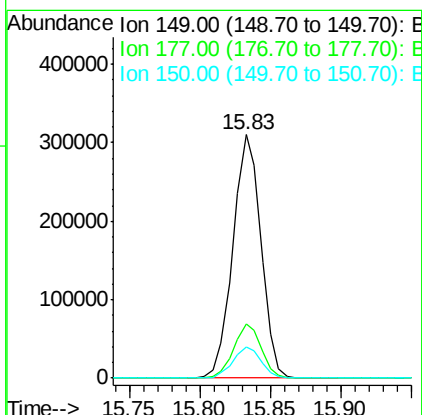
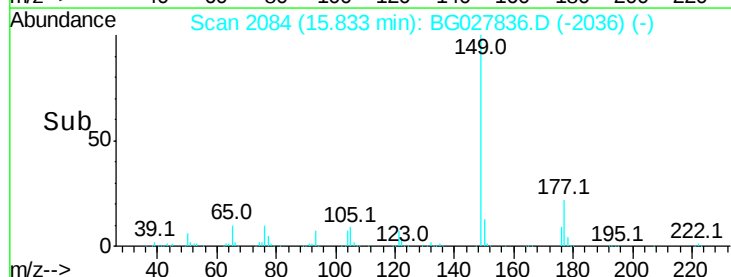


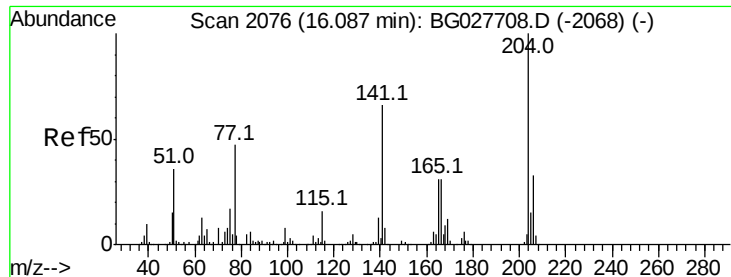
#59  
 Diethylphthalate  
 Concen: 53.24 ng  
 RT: 15.83 min Scan# 2084  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:149 Resp: 427802  
 Ion Ratio Lower Upper  
 149 100  
 177 22.1 20.1 30.1  
 150 12.8 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

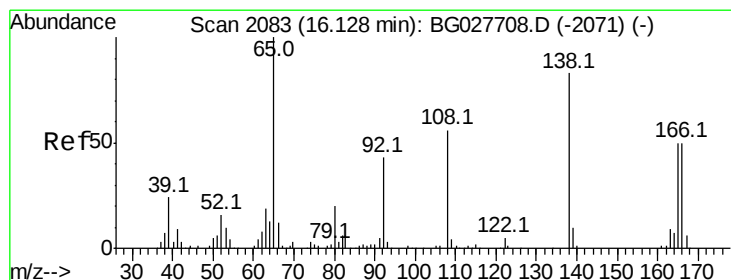
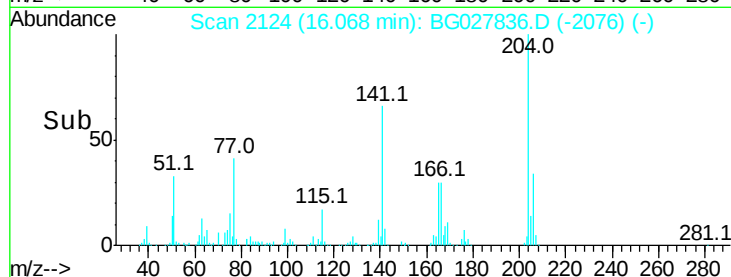
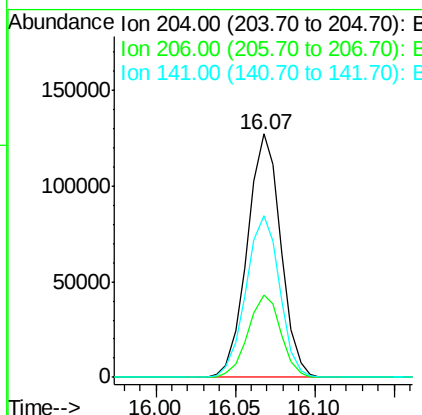
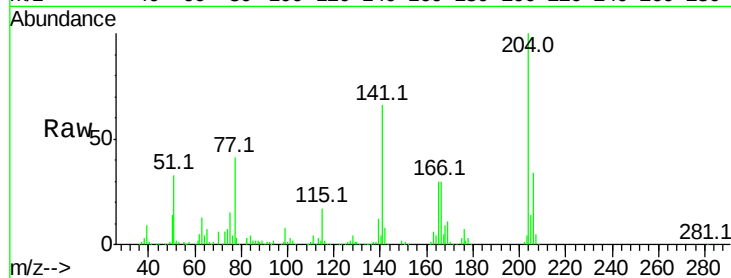




#60  
4-Chlorophenyl-phenylether  
Concen: 54.53 ng  
RT: 16.07 min Scan# 2124  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

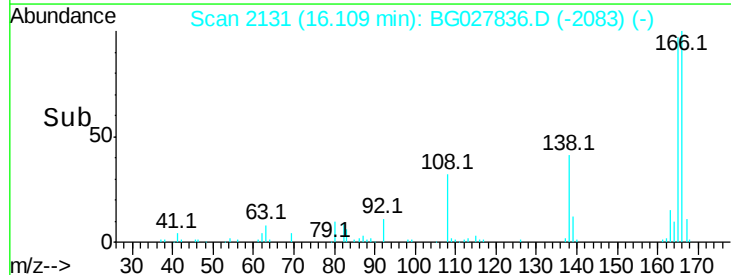
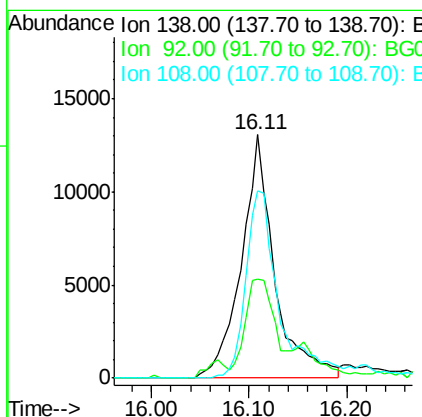
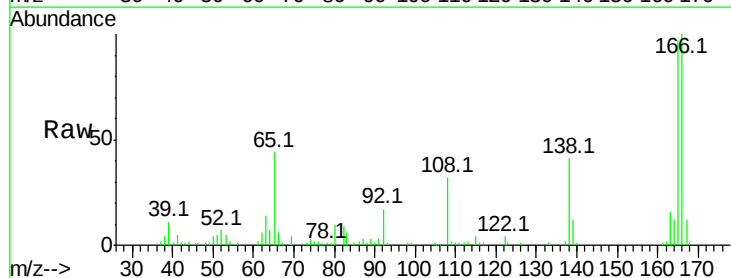
Instrument :  
BNA\_G  
ClientSampleId :

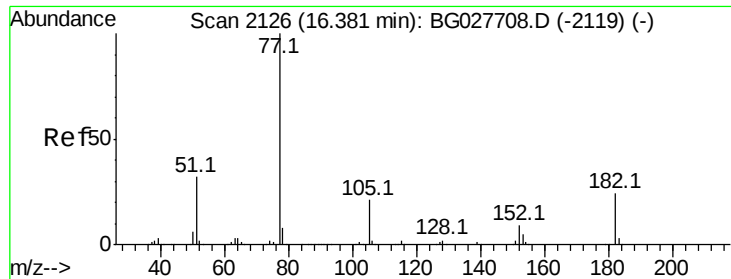
Tot Ion:204 Resp: 186667  
Ion Ratio Lower Upper  
204 100  
206 33.8 30.1 45.1  
141 66.3 50.6 76.0



#61  
4-Nitroaniline  
Concen: 16.04 ng  
RT: 16.11 min Scan# 2131  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:138 Resp: 31002  
Ion Ratio Lower Upper  
138 100  
92 40.5 44.2 84.2#  
108 76.9 104.8 144.8#





#62

Azobenzene

Concen: 45.97 ng

RT: 16.36 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 324599

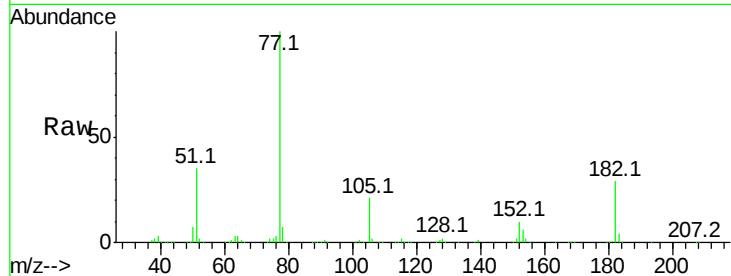
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.9  | 4.7   | 44.7  |
| 105 | 20.8  | 0.0   | 36.3  |
| 51  | 34.7  | 16.4  | 56.4  |

77 100

182 28.9 4.7 44.7

105 20.8 0.0 36.3

51 34.7 16.4 56.4

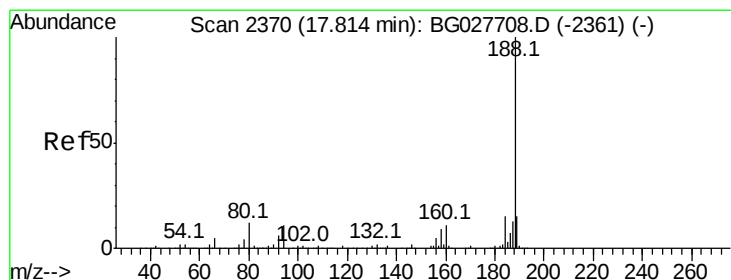
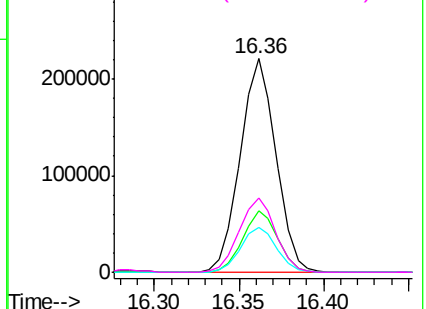
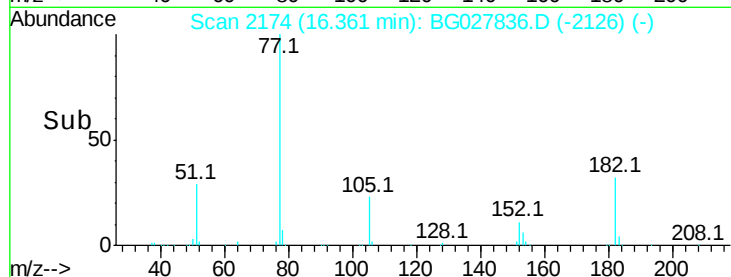


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.79 min Scan# 2417

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

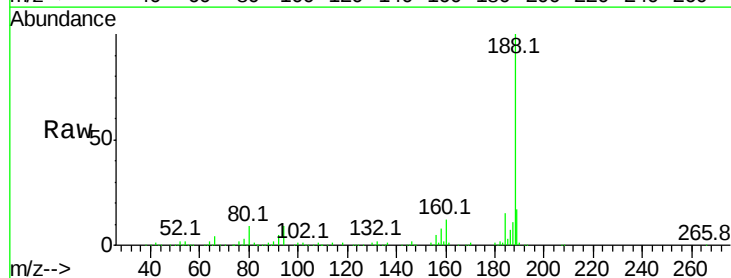
Tgt Ion: 188 Resp: 221393

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.7   | 5.8   | 8.8   |
| 80  | 9.1   | 7.5   | 11.3  |

188 100

94 8.7 5.8 8.8

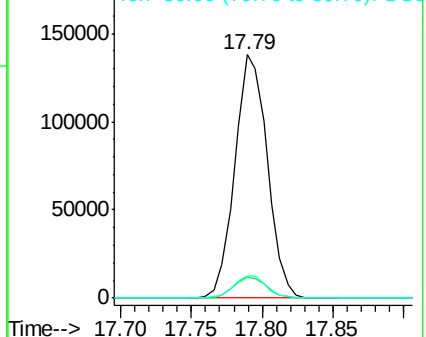
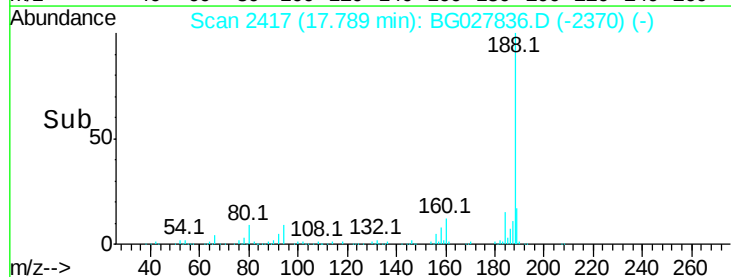
80 9.1 7.5 11.3

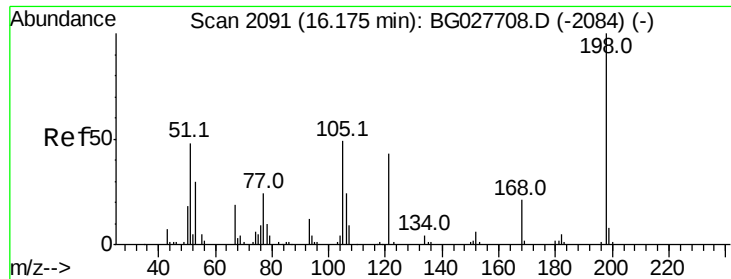


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

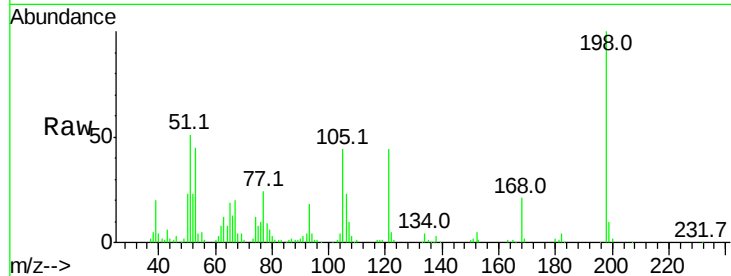




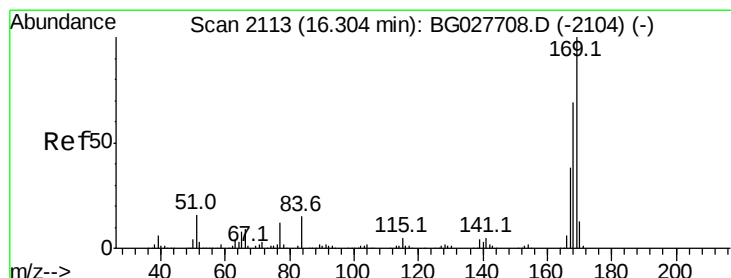
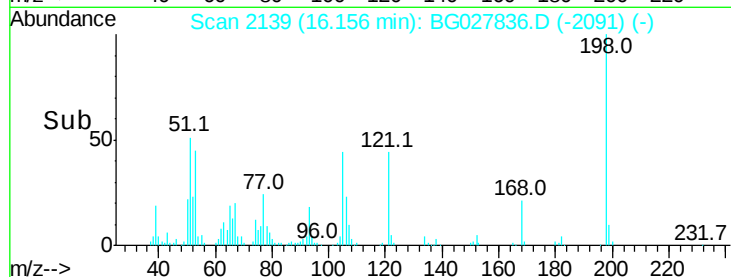
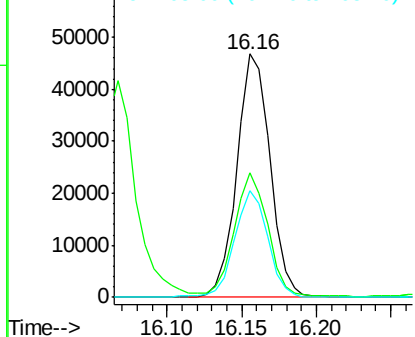
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 51.70 ng  
 RT: 16.16 min Scan# 2139  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:198 Resp: 72145  
 Ion Ratio Lower Upper  
 198 100  
 51 51.2 22.6 62.6  
 105 43.9 14.4 54.4

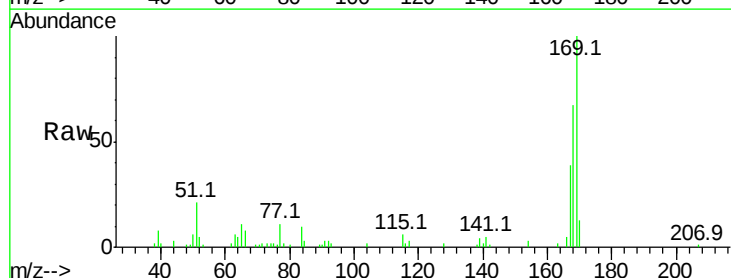


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BG  
 Ion 105.00 (104.70 to 105.70): E

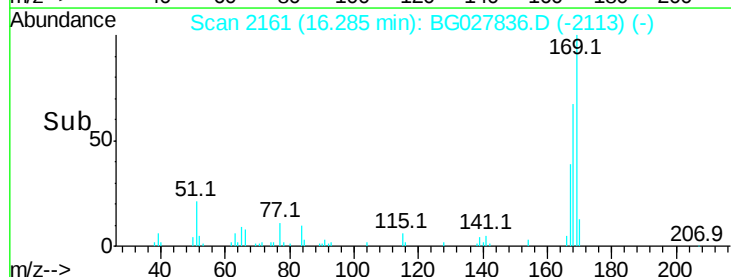
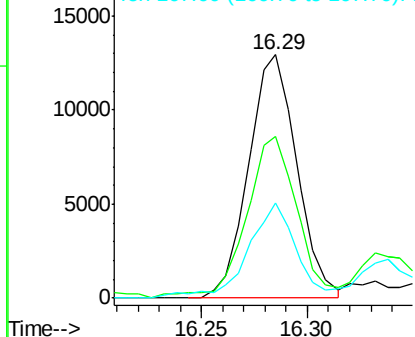


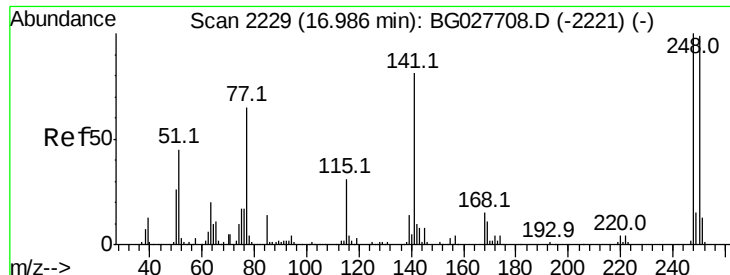
#65  
 n-Nitrosodiphenylamine  
 Concen: 2.85 ng  
 RT: 16.29 min Scan# 2161  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:169 Resp: 20551  
 Ion Ratio Lower Upper  
 169 100  
 168 66.6 55.7 83.5  
 167 39.1 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E  
 Ion 168.00 (167.70 to 168.70): E  
 Ion 167.00 (166.70 to 167.70): E

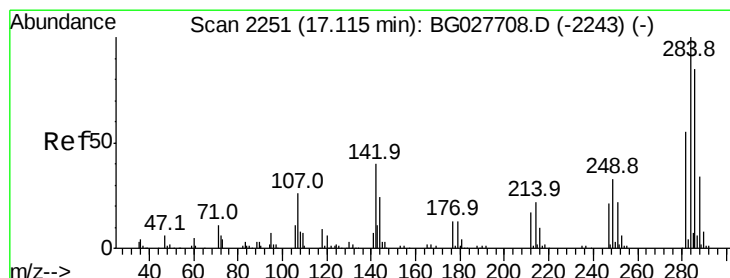
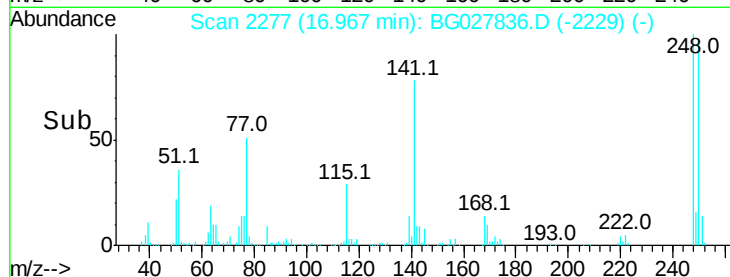
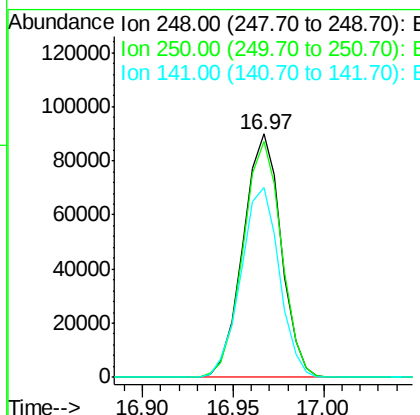
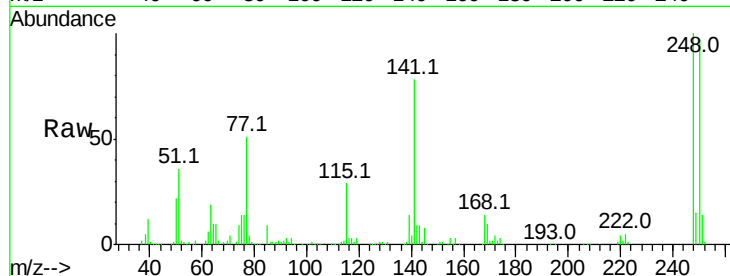




#66  
 4-Bromophenyl-phenylether  
 Concen: 56.61 ng  
 RT: 16.97 min Scan# 2277  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

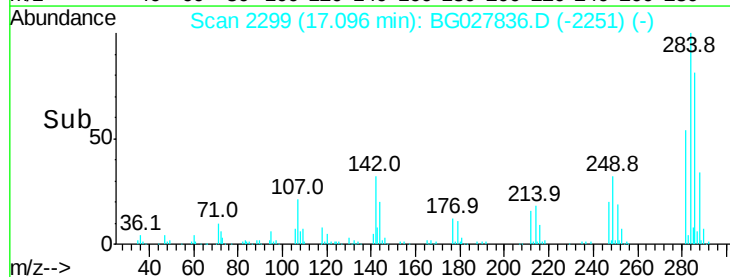
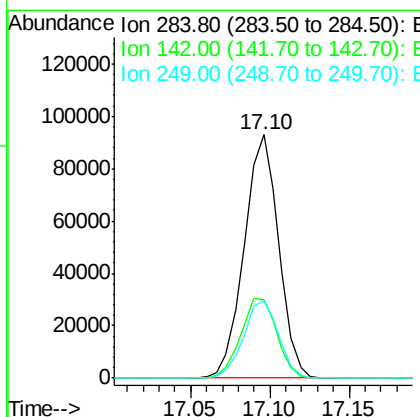
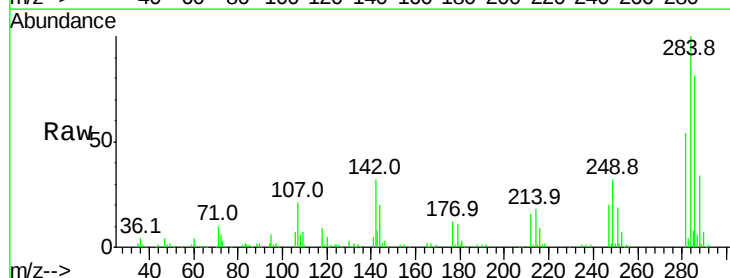
Instrument :  
 BNA\_G  
 ClientSampleId :

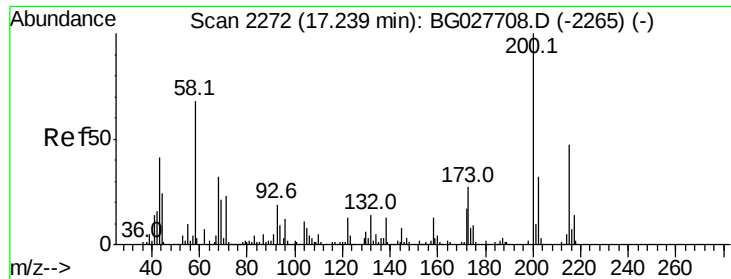
Tot Ion:248 Resp: 131093  
 Ion Ratio Lower Upper  
 248 100  
 250 96.7 75.0 112.6  
 141 78.2 55.2 82.8



#67  
 Hexachlorobenzene  
 Concen: 57.14 ng  
 RT: 17.10 min Scan# 2299  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:284 Resp: 140112  
 Ion Ratio Lower Upper  
 284 100  
 142 32.4 29.9 44.9  
 249 31.9 29.2 43.8





#68

Atrazine

Concen: 13.55 ng

RT: 17.44 min Scan# 2357

Delta R.T. 0.20 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

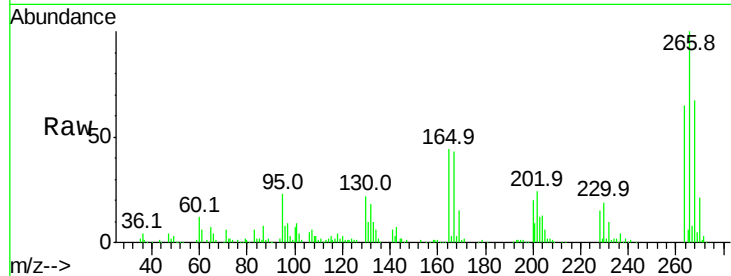
Tot Ion:200 Resp: 30813

Ion Ratio Lower Upper

200 100

173 0.0 3.0 43.0#

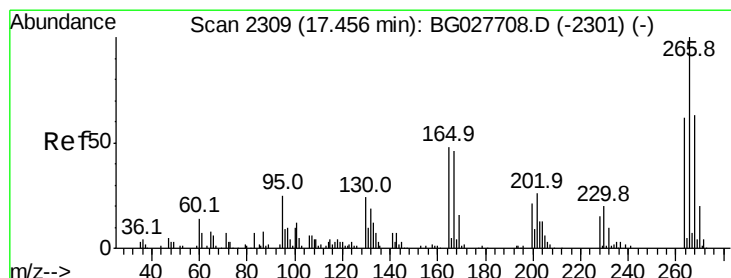
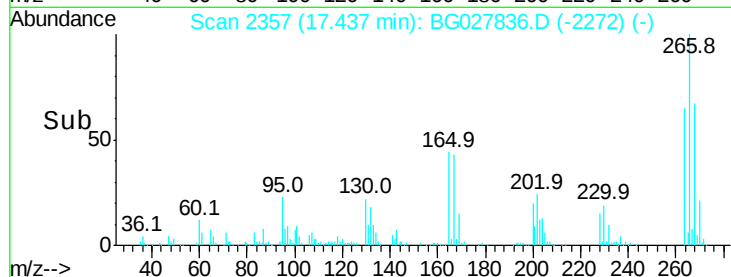
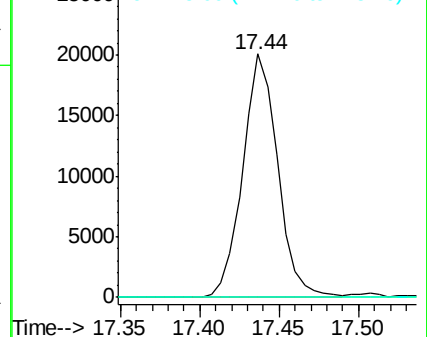
215 0.0 28.4 68.4#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 102.69 ng

RT: 17.44 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

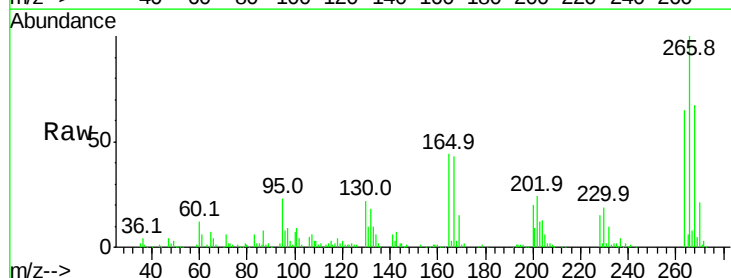
Tgt Ion:266 Resp: 163746

Ion Ratio Lower Upper

266 100

268 66.6 48.6 72.8

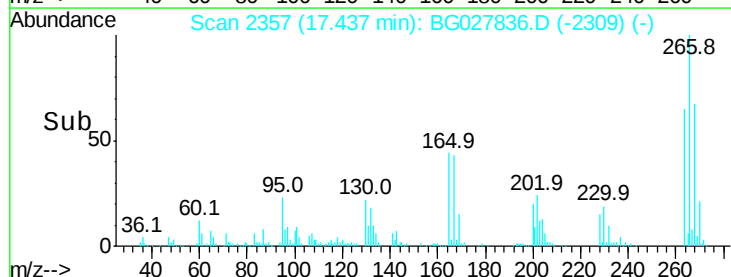
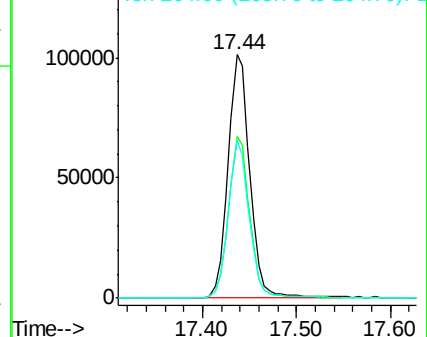
264 64.9 50.1 75.1

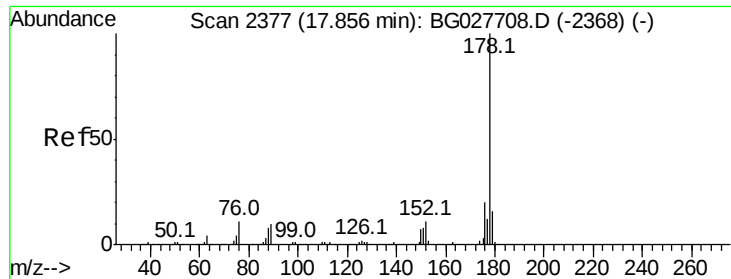


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

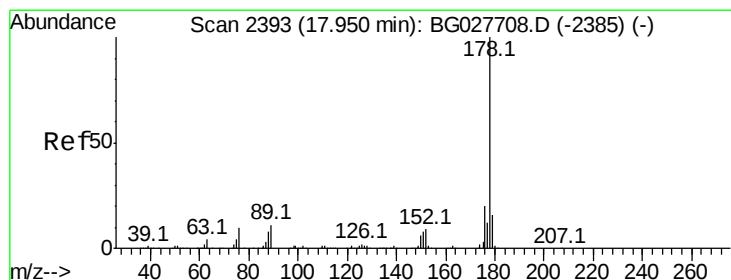
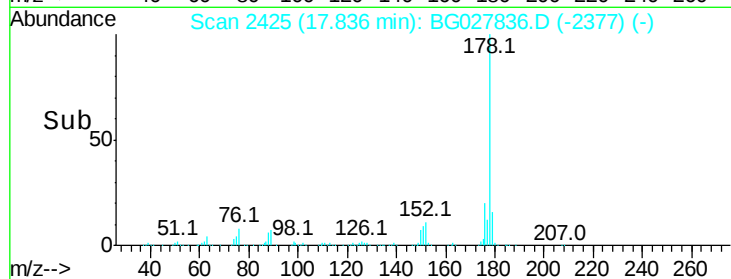
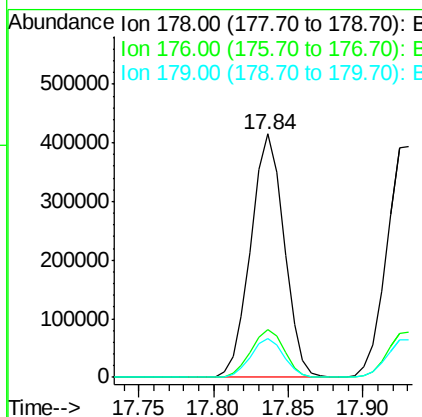
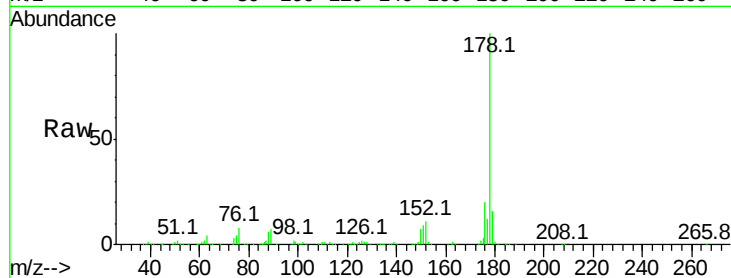




#70  
 Phenanthrene  
 Concen: 50.32 ng  
 RT: 17.84 min Scan# 2425  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

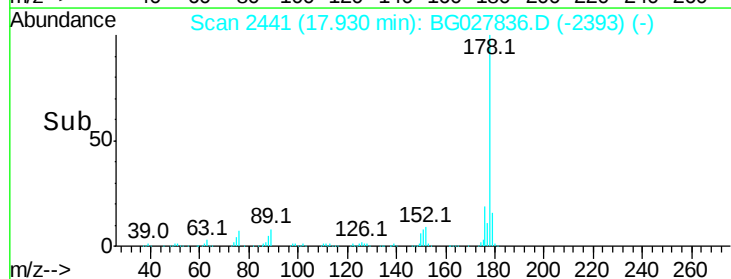
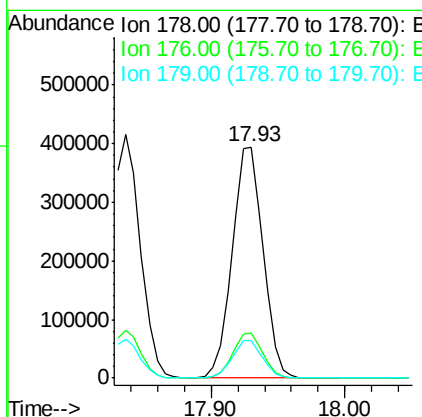
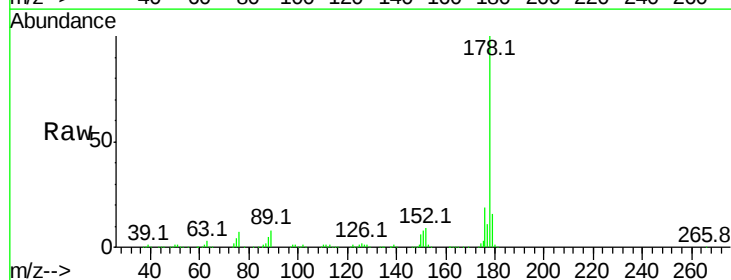
Instrument :  
 BNA\_G  
 ClientSampleId :

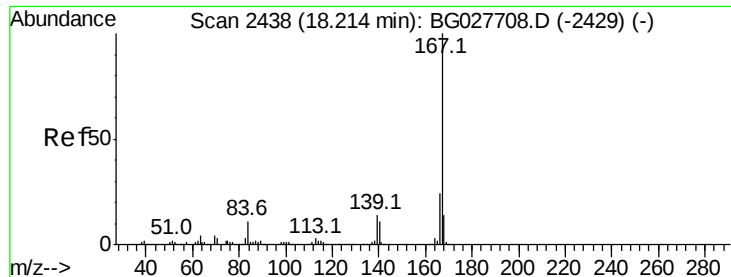
Tot Ion:178 Resp: 643134  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 17.7 26.5  
 179 15.9 15.0 22.6



#71  
 Anthracene  
 Concen: 48.98 ng  
 RT: 17.93 min Scan# 2441  
 Delta R.T. -0.02 min  
 Lab File: BG027836.D  
 Acq: 3 Jul 2017 17:34

Tgt Ion:178 Resp: 632132  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 16.4 24.6  
 179 16.1 13.8 20.8





#72

Carbazole

Concen: 3.06 ng

RT: 18.19 min Scan# 2486

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

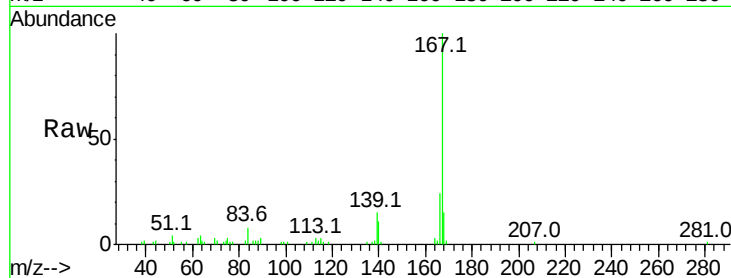
Tot Ion:167 Resp: 38937

Ion Ratio Lower Upper

167 100

166 23.6 20.2 30.2

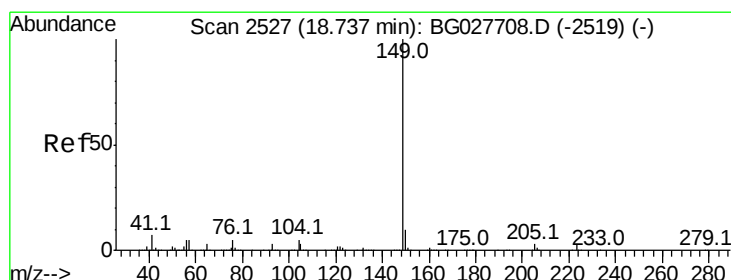
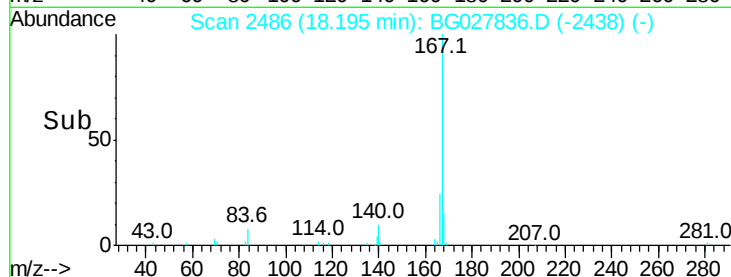
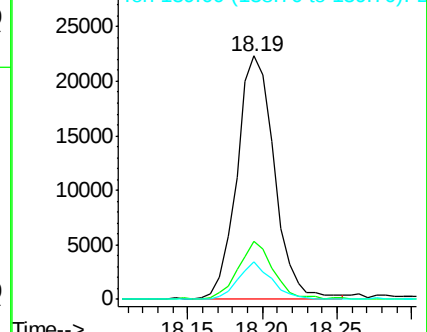
139 15.4 12.8 19.2



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: 52.50 ng

RT: 18.72 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

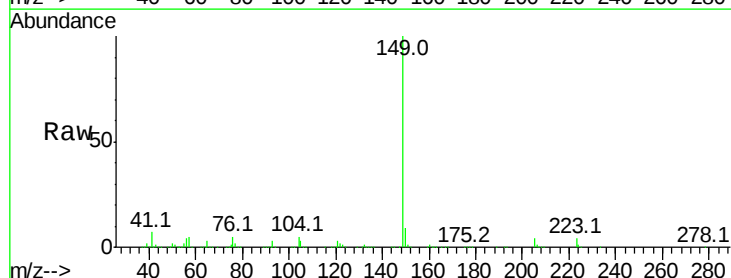
Tgt Ion:149 Resp: 733293

Ion Ratio Lower Upper

149 100

150 9.5 9.1 13.7

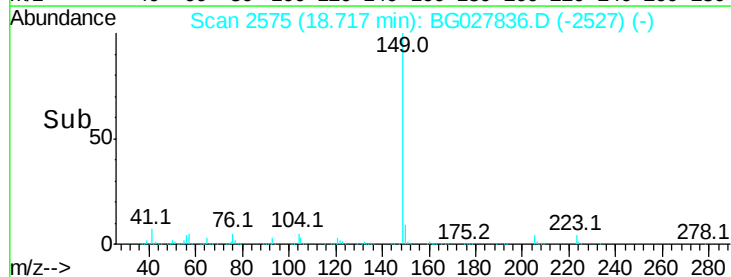
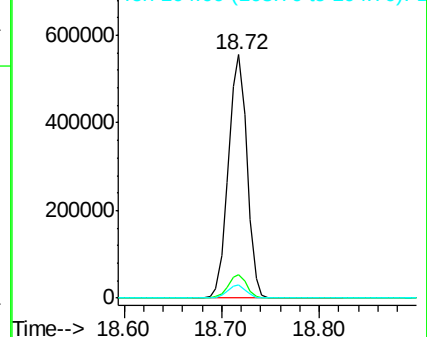
104 5.2 6.7 10.1#

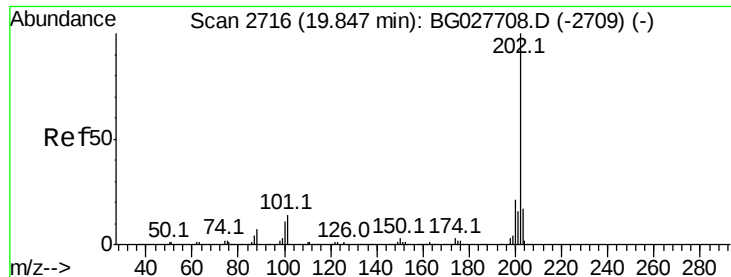


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 52.06 ng

RT: 19.83 min Scan# 2764

Delta R.T. -0.02 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampleId :

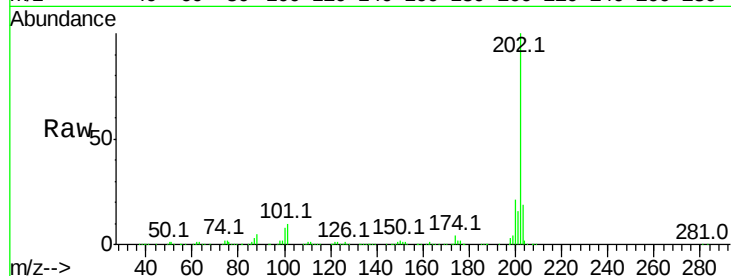
Tot Ion:202 Resp: 727168

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.1

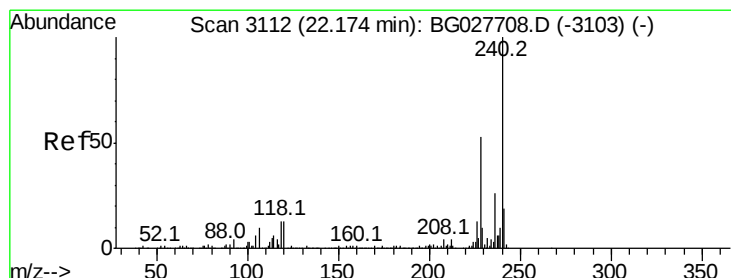
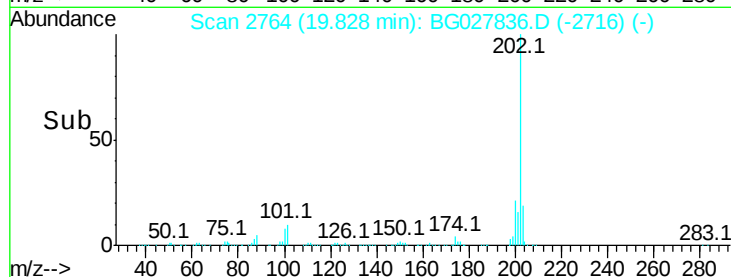
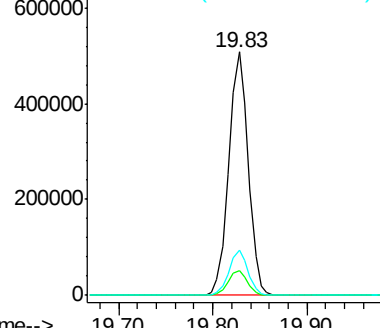
203 18.8 1.3 41.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.15 min Scan# 3159

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

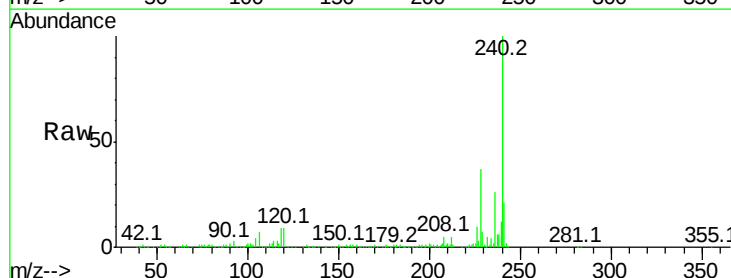
Tgt Ion:240 Resp: 236959

Ion Ratio Lower Upper

240 100

120 9.3 5.7 8.5#

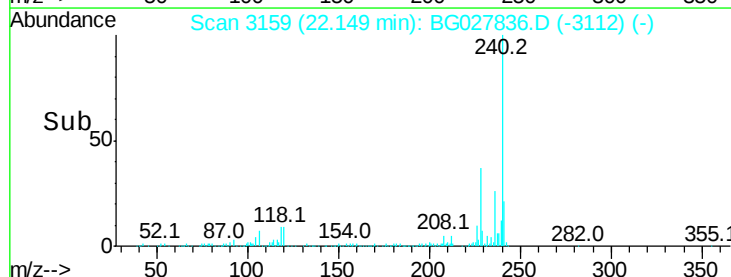
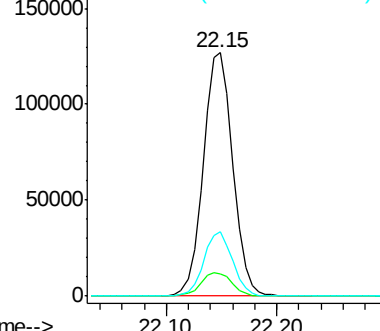
236 26.5 22.2 33.4

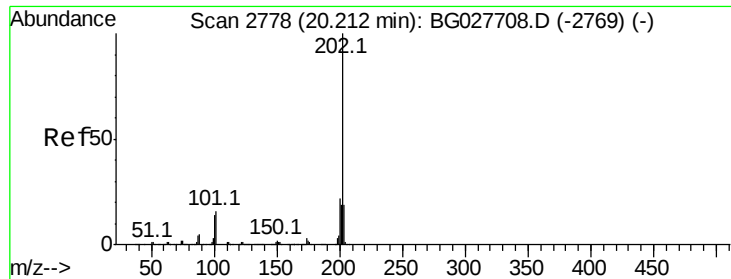


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

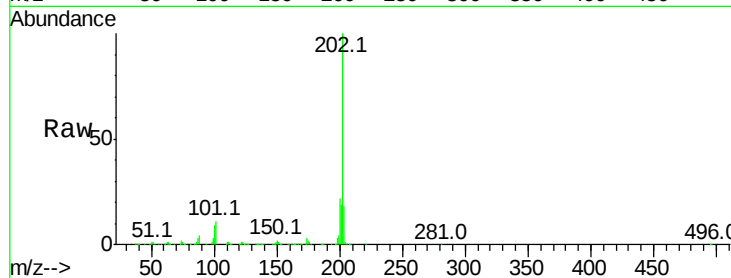




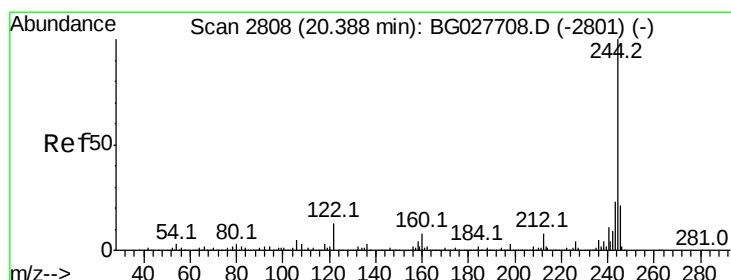
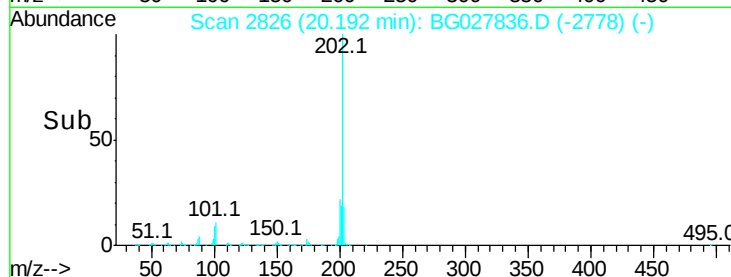
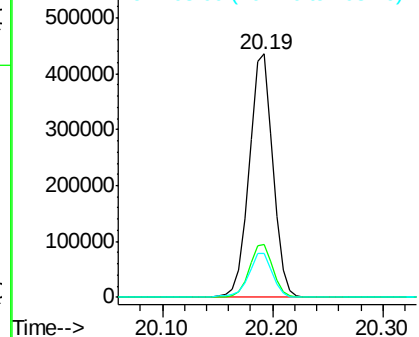
#77  
Pvrene  
Concen: 44.09 ng  
RT: 20.19 min Scan# 2826  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:202 Resp: 655634  
Ion Ratio Lower Upper  
202 100  
200 21.8 19.6 29.4  
203 17.8 15.8 23.8

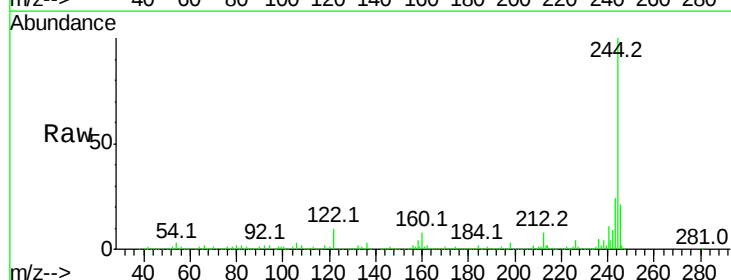


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

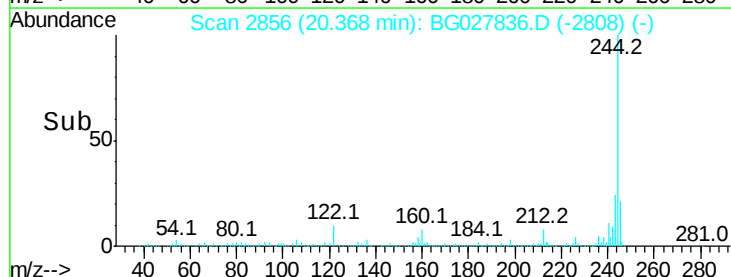
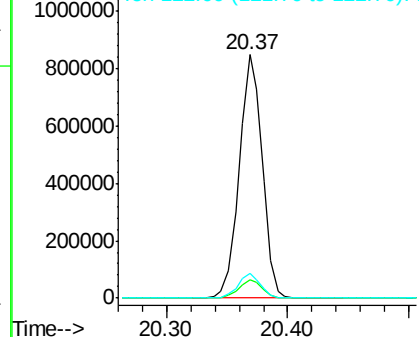


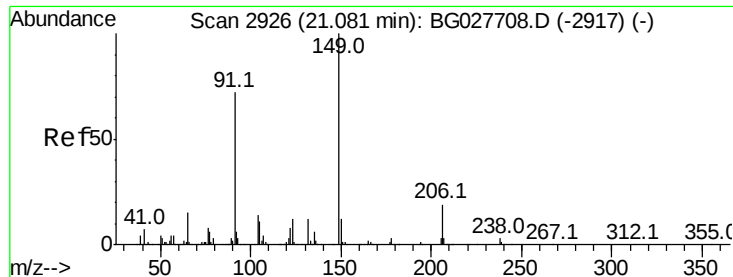
#78  
Terphenyl-d14  
Concen: 111.24 ng  
RT: 20.37 min Scan# 2856  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:244 Resp: 1124381  
Ion Ratio Lower Upper  
244 100  
212 7.7 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

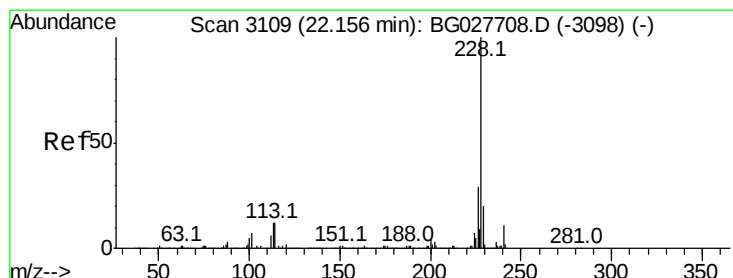
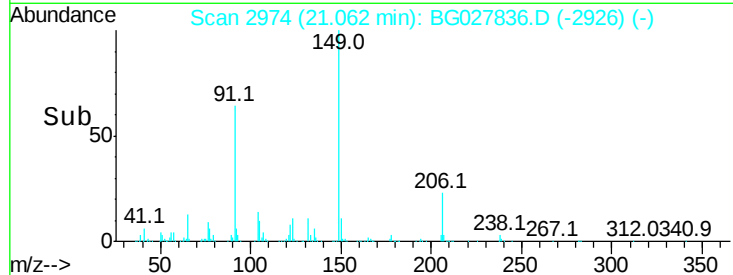
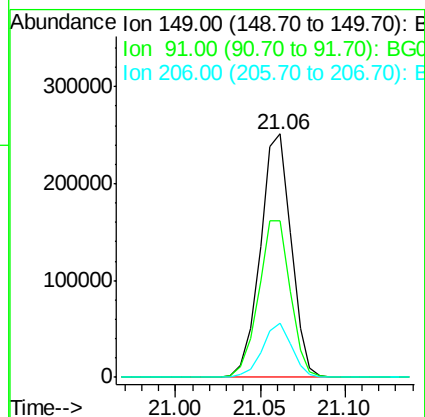
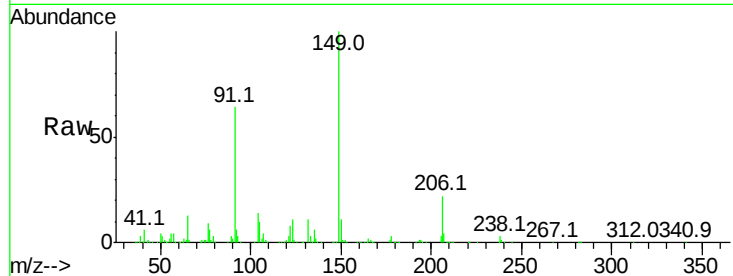




#79  
Butylbenzylphthalate  
Concen: 47.55 ng  
RT: 21.06 min Scan# 2974  
Delta R.T. -0.02 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

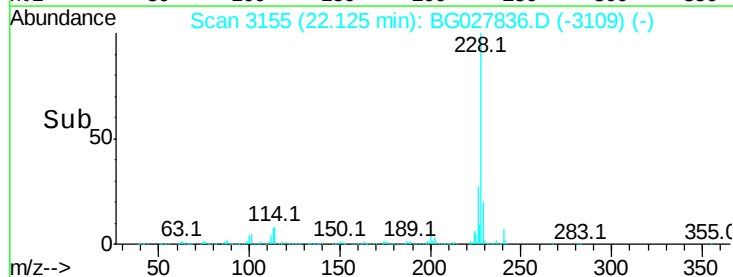
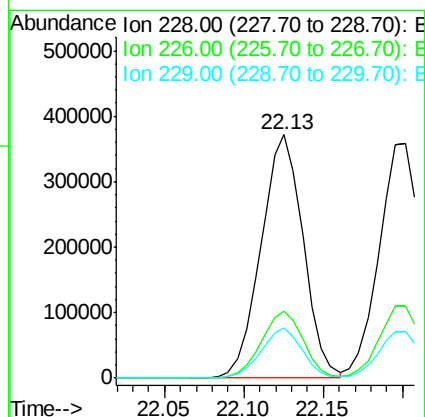
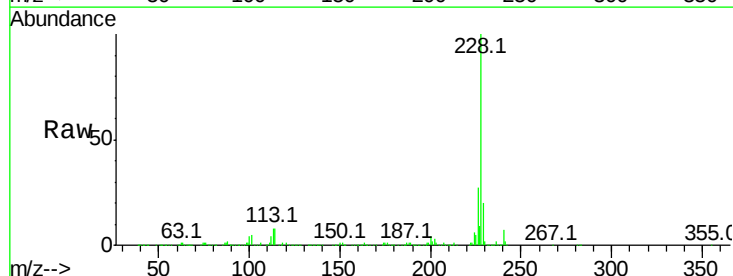
Instrument :  
BNA\_G  
ClientSampleId :

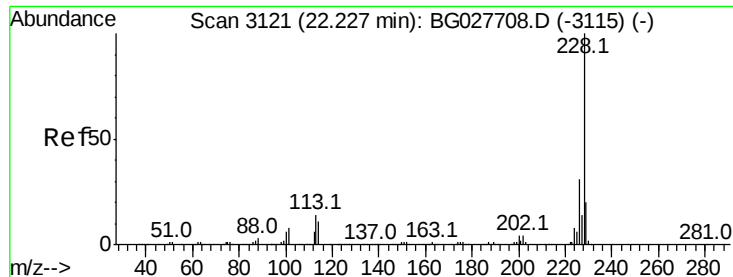
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 64.3  | 63.5  | 95.3  |
| 206     | 22.5  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 47.98 ng  
RT: 22.13 min Scan# 3155  
Delta R.T. -0.03 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.3  | 24.9  | 37.3  |
| 229     | 20.4  | 18.2  | 27.2  |





#82

Chrysene

Concen: 48.95 ng

RT: 22.20 min Scan# 3168

Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

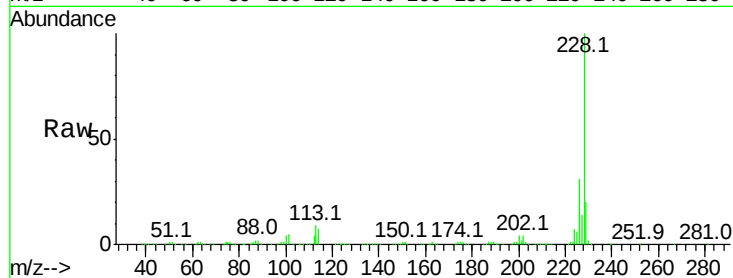
Instrument :

BNA\_G

ClientSampled :

Tot Ion:228 Resp: 657309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.9  | 27.0  | 40.4  |
| 229 | 20.0  | 17.8  | 26.6  |

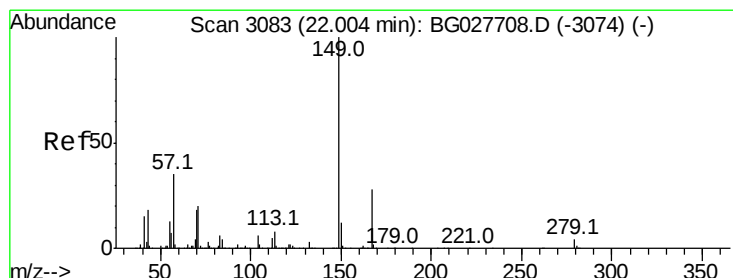
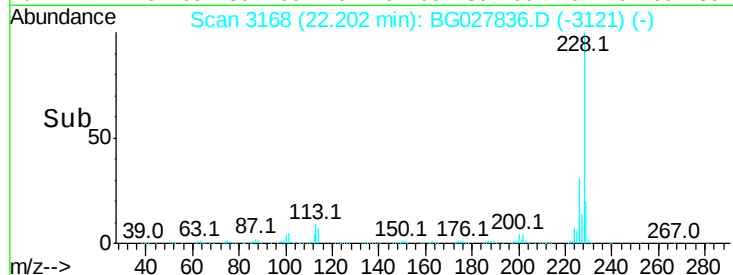
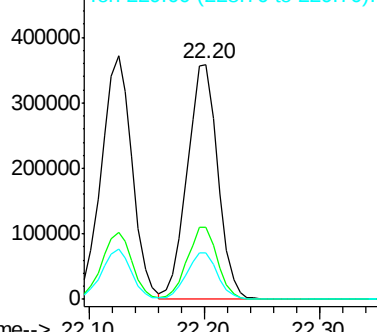


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 46.82 ng

RT: 21.98 min Scan# 3130

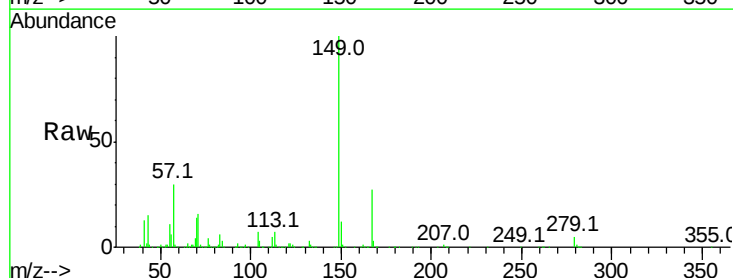
Delta R.T. -0.03 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Tgt Ion:149 Resp: 458290

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.4  | 23.7  | 35.5  |
| 279 | 5.1   | 4.6   | 6.8   |

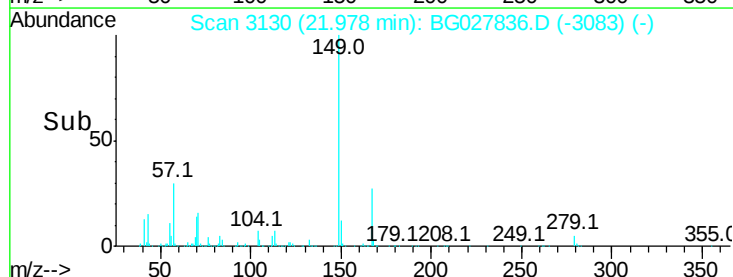
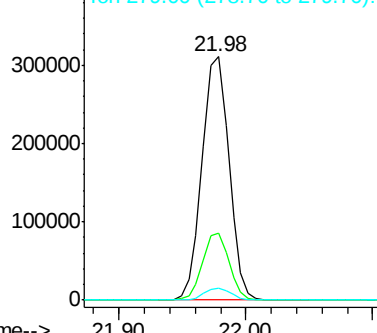


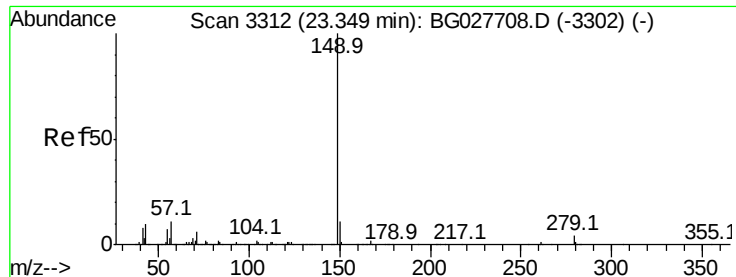
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 47.89 ng

RT: 23.31 min Scan# 3357

Delta R.T. -0.04 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

Instrument :

BNA\_G

ClientSampled :

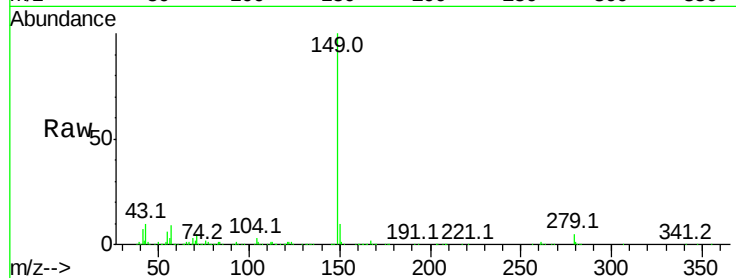
Tot Ion:149 Resp: 774343

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.2

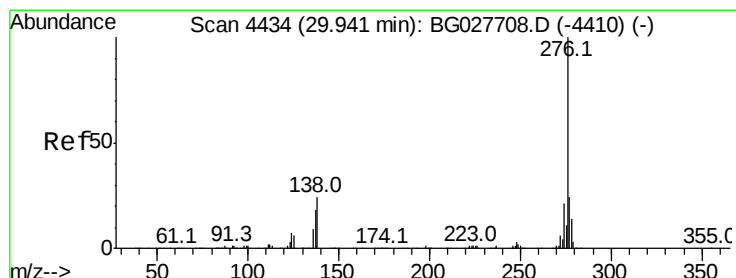
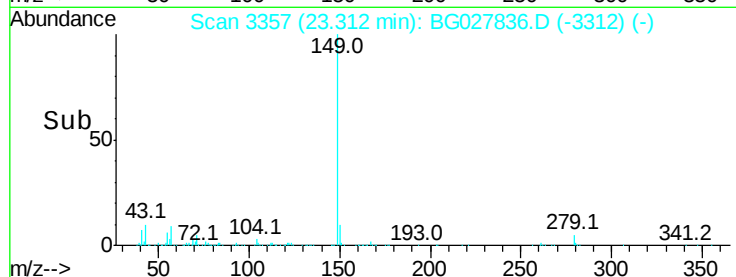
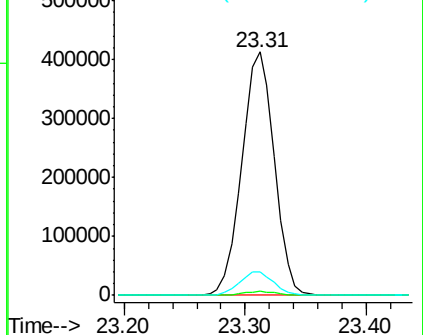
43 9.9 11.8 17.6#



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): B



#85

Indeno(1,2,3-cd)pyrene

Concen: 25.86 ng

RT: 29.85 min Scan# 4470

Delta R.T. -0.09 min

Lab File: BG027836.D

Acq: 3 Jul 2017 17:34

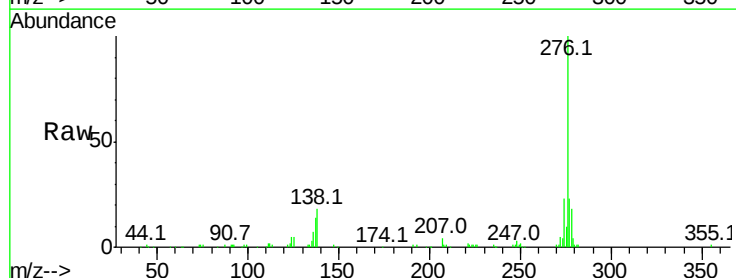
Tgt Ion:276 Resp: 396824

Ion Ratio Lower Upper

276 100

138 6.5 4.7 7.1

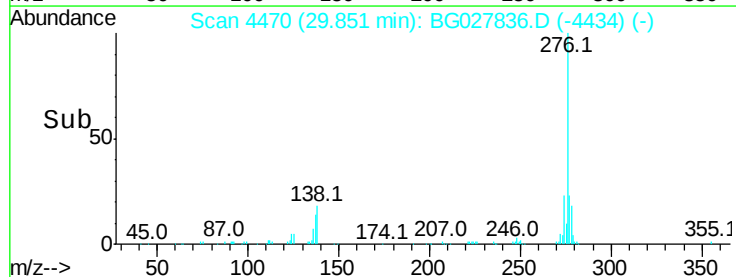
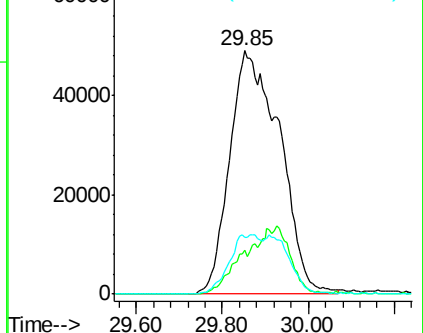
277 9.1 20.6 31.0#

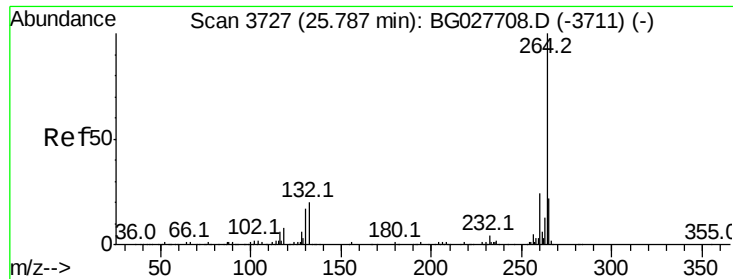


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

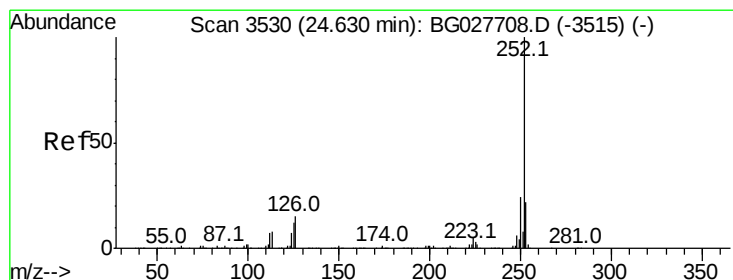
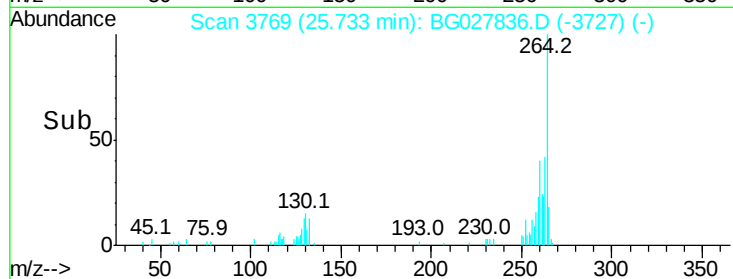
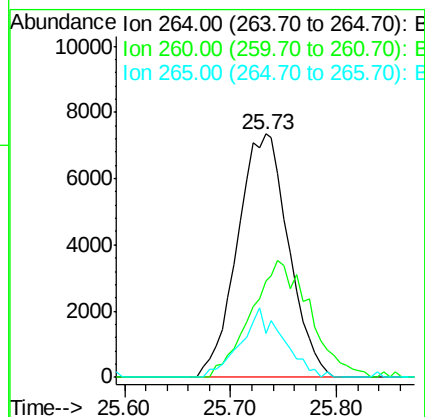
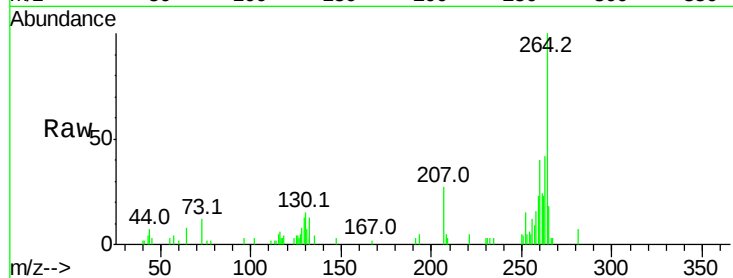




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.73 min Scan# 3769  
Delta R.T. -0.05 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

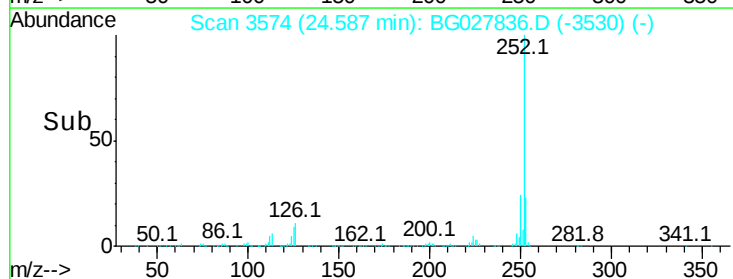
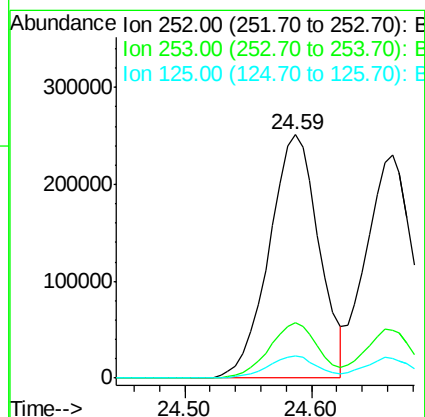
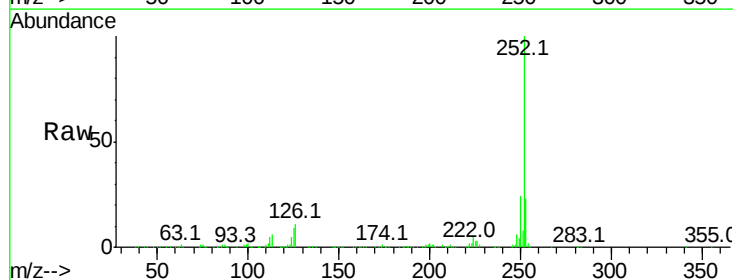
Instrument :  
BNA\_G  
ClientSampleId :

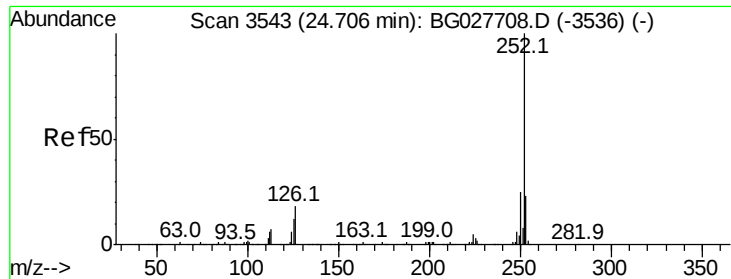
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 39.8  | 21.8  | 32.8# |
| 265     | 17.9  | 18.2  | 27.4# |



#87  
Benzo(b)fluoranthene  
Concen: 432.26 ng  
RT: 24.59 min Scan# 3574  
Delta R.T. -0.04 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 18.7  | 28.1  |
| 125     | 8.9   | 5.3   | 7.9#  |

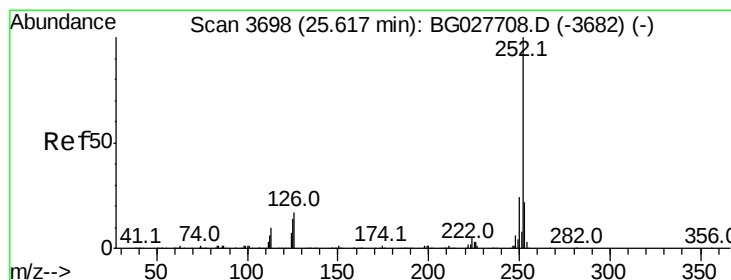
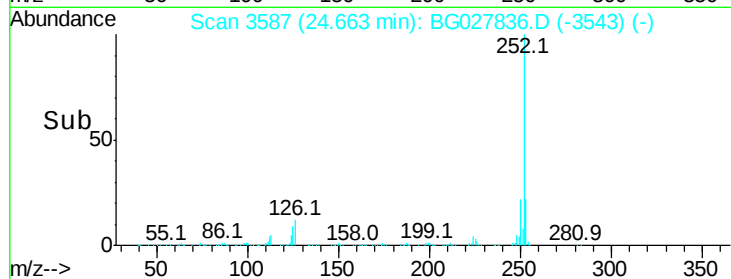
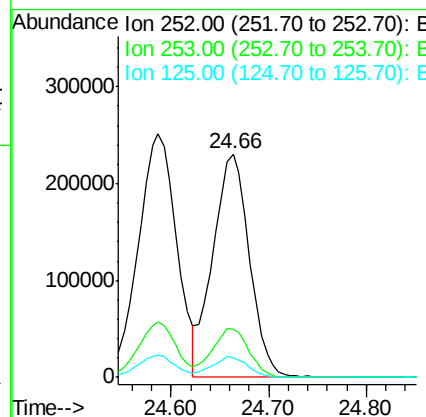
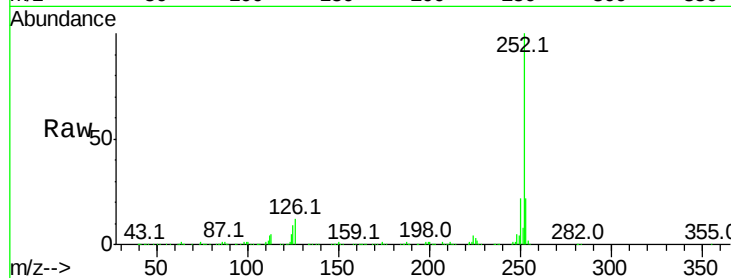




#88  
Benzo(k)fluoranthene  
Concen: 378.55 ng  
RT: 24.66 min Scan# 3587  
Delta R.T. -0.04 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

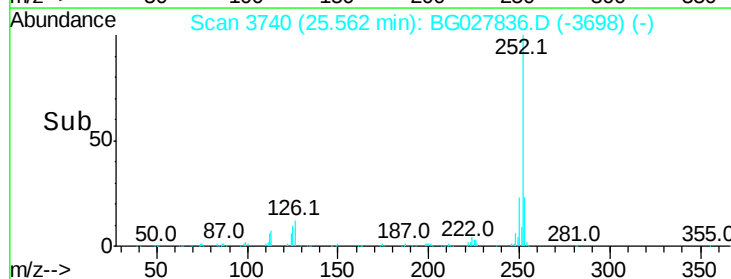
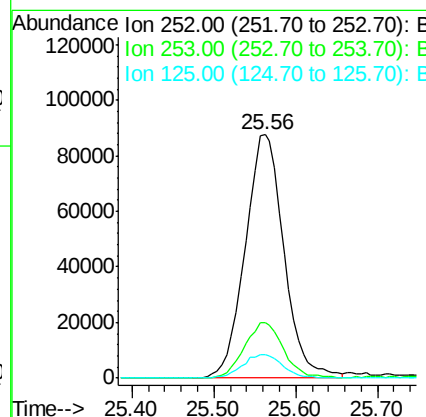
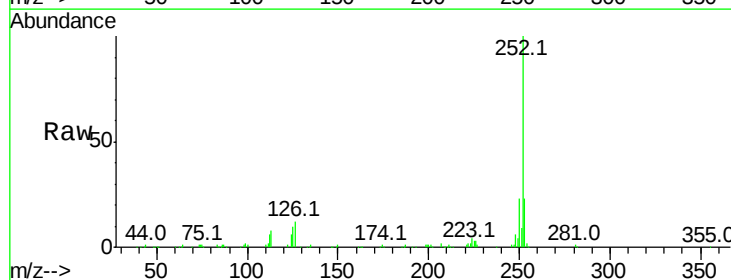
Instrument :  
BNA\_G  
ClientSampleId :

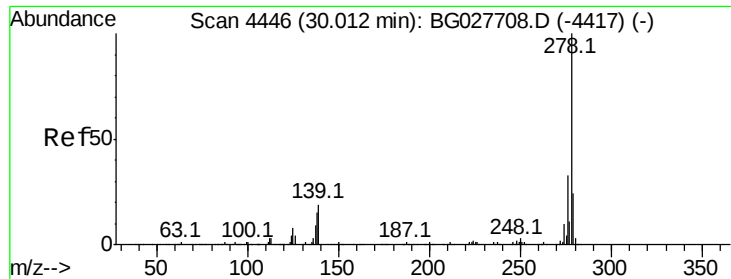
Tot Ion:252 Resp: 594119  
Ion Ratio Lower Upper  
252 100  
253 21.6 20.2 30.2  
125 8.6 5.1 7.7#



#89  
Benzo(a)pyrene  
Concen: 193.40 ng  
RT: 25.56 min Scan# 3740  
Delta R.T. -0.05 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:252 Resp: 288147  
Ion Ratio Lower Upper  
252 100  
253 22.9 19.2 28.8  
125 9.8 5.4 8.0#



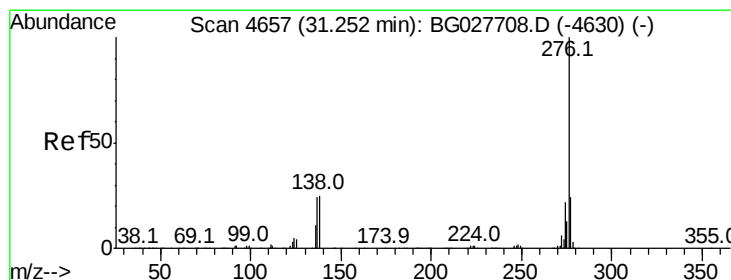
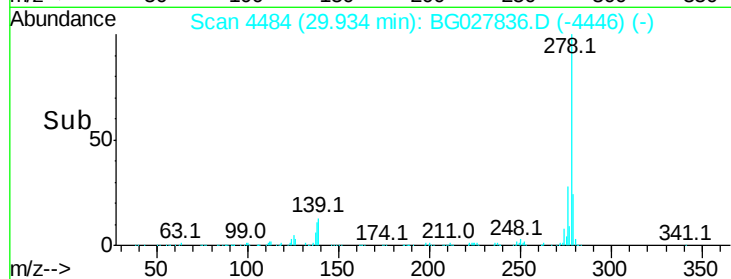
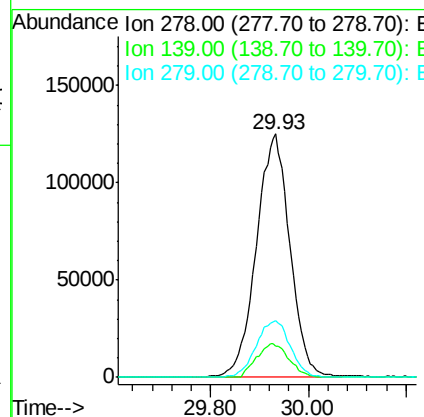
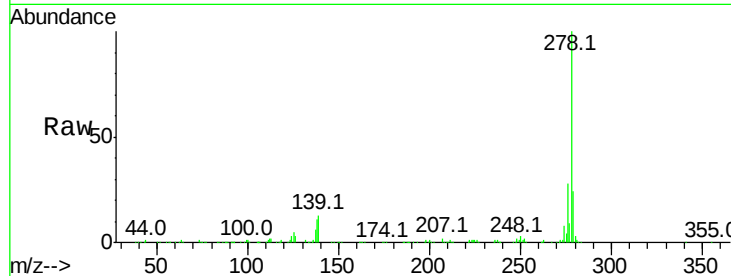


#90  
Dibenzo(a,h)anthracene  
Concen: 396.93 ng  
RT: 29.93 min Scan# 4484  
Delta R.T. -0.08 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:278 Resp: 599095  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 13.0  | 7.7   | 11.5# |
| 279 | 23.6  | 19.1  | 28.7  |



#91  
Benzo(g,h,i)perylene  
Concen: 192.56 ng  
RT: 31.16 min Scan# 4692  
Delta R.T. -0.10 min  
Lab File: BG027836.D  
Acq: 3 Jul 2017 17:34

Tgt Ion:276 Resp: 279308  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 25.3  | 18.6  | 27.8  |
| 138 | 16.7  | 8.1   | 12.1# |

