

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071417\  
 Data File : BG027930.D  
 Acq On : 14 Jul 2017 18:20  
 Operator : SJ/JU  
 Sample : I3757-01  
 Misc : 2PPM LOD  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 14 22:43:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG071417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 16:10:34 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.37  | 152  | 47896    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.19 | 136  | 205730   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.98 | 164  | 145863   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.73 | 188  | 378809   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.06 | 240  | 454433   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.58 | 264  | 418384   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.94  | 112 | 380633  | 142.15 | ng | 0.00 |
| 7) Phenol-d6             | 7.52  | 99  | 512435  | 132.83 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.54  | 82  | 379935  | 103.19 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.47 | 330 | 349067  | 161.48 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.60 | 172 | 1197920 | 108.31 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.31 | 244 | 1972489 | 98.14  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.89  | 88  | 2182  | 2.19  | ng | # 83   |
| 3) Pyridine                    | 4.31  | 79  | 4314  | 1.51  | ng | # 88   |
| 4) n-Nitrosodimethylamine      | 4.21  | 42  | 2740  | 1.71  | ng | # 73   |
| 6) Aniline                     | 7.70  | 93  | 8054  | 1.79  | ng | # 86   |
| 8) 2-Chlorophenol              | 7.94  | 128 | 5393  | 1.76  | ng | 90     |
| 9) Benzaldehyde                | 7.52  | 77  | 4112  | 1.95  | ng | 87     |
| 10) Phenol                     | 7.54  | 94  | 7477  | 1.85  | ng | 81     |
| 11) bis(2-Chloroethyl)ether    | 7.78  | 93  | 4897  | 1.65  | ng | 86     |
| 12) 1,3-Dichlorobenzene        | 8.27  | 146 | 6382  | 1.78  | ng | # 86   |
| 13) 1,4-Dichlorobenzene        | 8.27  | 146 | 6382  | 1.72  | ng | 90     |
| 14) 1,2-Dichlorobenzene        | 8.73  | 146 | 6323  | 1.76  | ng | # 90   |
| 15) Benzyl Alcohol             | 8.61  | 79  | 3985  | 1.69  | ng | # 88   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.89  | 45  | 10650 | 1.78  | ng | 99     |
| 17) 2-Methylphenol             | 8.79  | 107 | 4465  | 1.68  | ng | 91     |
| 18) Hexachloroethane           | 9.46  | 117 | 2167  | 1.80  | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 9.16  | 70  | 4252  | 1.58  | ng | # 92   |
| 20) 3+4-Methylphenols          | 9.13  | 107 | 6436  | 1.72  | ng | 89     |
| 22) Acetophenone               | 9.20  | 105 | 8512  | 1.72  | ng | # 88   |
| 24) Nitrobenzene               | 9.58  | 77  | 8383  | 2.16  | ng | # 84   |
| 25) Isophorone                 | 10.10 | 82  | 11973 | 1.70  | ng | 100    |
| 26) 2-Nitrophenol              | 10.30 | 139 | 3056  | 1.65  | ng | # 74   |
| 27) 2,4-Dimethylphenol         | 10.35 | 122 | 5604  | 1.72  | ng | # 71   |
| 28) bis(2-Chloroethoxy)methane | 10.58 | 93  | 7440  | 1.81  | ng | # 93   |
| 29) 2,4-Dichlorophenol         | 10.84 | 162 | 5706  | 1.62  | ng | 72     |
| 30) 1,2,4-Trichlorobenzene     | 11.04 | 180 | 7696  | 1.94  | ng | # 80   |
| 31) Naphthalene                | 11.24 | 128 | 19031 | 1.86  | ng | # 95   |
| 32) Benzoic acid               | 10.35 | 122 | 5604  | 10.64 | ng | # 1    |
| 33) 4-Chloroaniline            | 11.36 | 127 | 6953  | 1.66  | ng | 98     |
| 34) Hexachlorobutadiene        | 11.51 | 225 | 5080  | 1.84  | ng | # 84   |
| 35) Caprolactam                | 12.11 | 113 | 1020  | 0.94  | ng | # 73   |
| 36) 4-Chloro-3-methylphenol    | 12.45 | 107 | 6067  | 1.59  | ng | # 79   |
| 37) 2-Methylnaphthalene        | 12.82 | 142 | 13728 | 1.75  | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216 | 10050 | 1.74  | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 13.17 | 237 | 2367  | 0.88  | ng | 98     |

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 Misc : 2PPM LOD  
 ALS Vial : 4 Sample Multiplier: 1

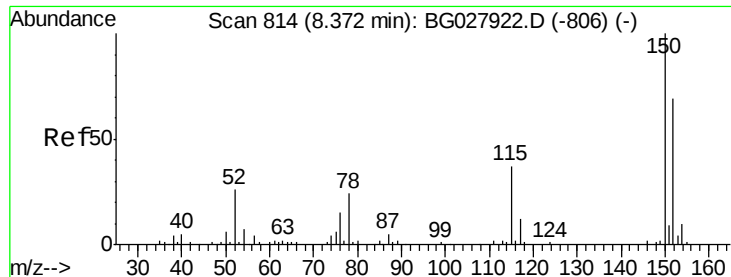
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 14 22:43:58 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG071417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 16:10:34 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.42 | 196  | 5508     | 1.58 | nq    | # 93     |
| 43) 2,4,5-Trichlorophenol      | 13.50 | 196  | 6278     | 1.70 | nq    | # 84     |
| 45) 1,1'-Biphenyl              | 13.81 | 154  | 23883    | 1.91 | nq    | 97       |
| 46) 2-Chloronaphthalene        | 13.86 | 162  | 16838    | 1.84 | nq    | 96       |
| 47) 2-Nitroaniline             | 14.06 | 65   | 4541     | 1.67 | nq    | 90       |
| 48) Acenaphthylene             | 14.70 | 152  | 25352    | 1.75 | nq    | 96       |
| 49) Dimethylphthalate          | 14.42 | 163  | 21636    | 1.78 | nq    | # 96     |
| 50) 2,6-Dinitrotoluene         | 14.54 | 165  | 3895     | 1.50 | nq    | # 77     |
| 51) Acenaphthene               | 15.05 | 154  | 17011    | 1.87 | nq    | 94       |
| 52) 3-Nitroaniline             | 14.89 | 138  | 3249     | 1.32 | nq    | # 65     |
| 53) 2,4-Dinitrophenol          | 15.10 | 184  | 93       | 7.15 | nq    | # 15     |
| 54) Dibenzofuran               | 15.37 | 168  | 25397    | 1.82 | nq    | # 84     |
| 55) 4-Nitrophenol              | 15.22 | 139  | 397      | 4.96 | nq    | # 55     |
| 56) 2,4-Dinitrotoluene         | 15.34 | 165  | 5168     | 1.44 | nq    | # 67     |
| 57) Fluorene                   | 16.03 | 166  | 22494    | 1.81 | nq    | # 96     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.60 | 232  | 4828     | 1.48 | nq    | # 90     |
| 59) Diethylphthalate           | 15.77 | 149  | 27448    | 2.32 | nq    | 96       |
| 60) 4-Chlorophenyl-phenylether | 16.01 | 204  | 12704    | 1.85 | nq    | 89       |
| 61) 4-Nitroaniline             | 16.06 | 138  | 3281     | 1.24 | nq    | # 49     |
| 62) Azobenzene                 | 16.30 | 77   | 15707    | 1.70 | nq    | 88       |
| 64) 4,6-Dinitro-2-methylphenol | 16.09 | 198  | 2309     | 0.91 | nq    | 81       |
| 65) n-Nitrosodiphenylamine     | 16.22 | 169  | 18420    | 1.67 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.90 | 248  | 8303     | 1.76 | nq    | 86       |
| 67) Hexachlorobenzene          | 17.03 | 284  | 8962     | 1.74 | nq    | # 85     |
| 68) Atrazine                   | 17.16 | 200  | 6758     | 1.59 | nq    | 86       |
| 69) Pentachlorophenol          | 17.38 | 266  | 2238     | 6.84 | nq    | # 89     |
| 70) Phenanthrene               | 17.77 | 178  | 37166    | 1.88 | nq    | # 90     |
| 71) Anthracene                 | 17.86 | 178  | 33414    | 1.69 | nq    | 98       |
| 72) Carbazole                  | 18.14 | 167  | 28648    | 1.61 | nq    | 96       |
| 73) Di-n-butylphthalate        | 18.66 | 149  | 30979    | 1.59 | nq    | # 93     |
| 74) Fluoranthene               | 19.77 | 202  | 42465    | 1.78 | nq    | 93       |
| 76) Benzidine                  | 19.96 | 184  | 7464     | 0.70 | nq    | # 90     |
| 77) Pyrene                     | 20.13 | 202  | 43435    | 1.79 | nq    | 97       |
| 79) Butylbenzylphthalate       | 21.00 | 149  | 14095    | 1.62 | nq    | # 84     |
| 80) Benzo(a)anthracene         | 22.04 | 228  | 47368    | 1.90 | nq    | 91       |
| 81) 3,3'-Dichlorobenzidine     | 21.95 | 252  | 13603    | 1.38 | nq    | 97       |
| 82) Chrysene                   | 22.11 | 228  | 45559    | 1.91 | nq    | # 92     |
| 83) Bis(2-ethylhexyl)phthalate | 21.90 | 149  | 20334    | 1.60 | nq    | 98       |
| 84) Di-n-octyl phthalate       | 23.21 | 149  | 31835    | 1.48 | nq    | # 93     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.62 | 276  | 42853    | 1.55 | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 24.45 | 252  | 42194    | 1.73 | nq    | 97       |
| 88) Benzo(k)fluoranthene       | 24.45 | 252  | 42194    | 1.73 | nq    | 100      |
| 89) Benzo(a)pyrene             | 25.42 | 252  | 39969    | 1.73 | nq    | # 89     |
| 90) Dibenzo(a,h)anthracene     | 29.69 | 278  | 32975    | 1.42 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 30.86 | 276  | 13113    | 0.58 | nq    | # 91     |

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



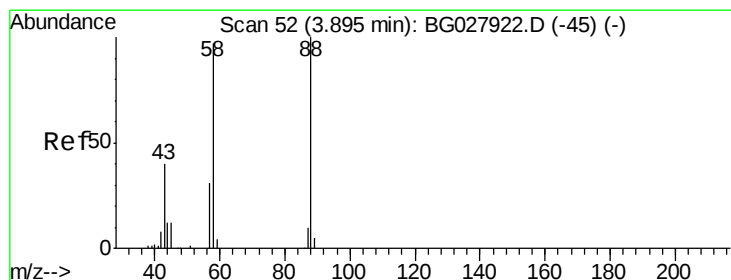
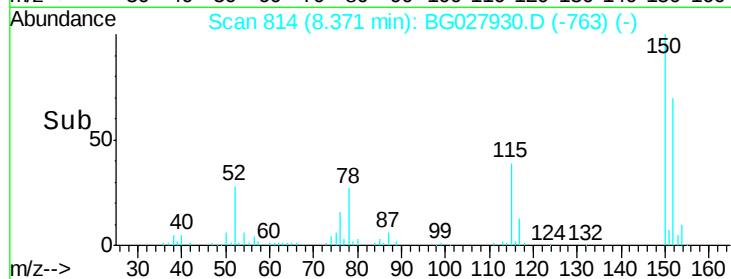
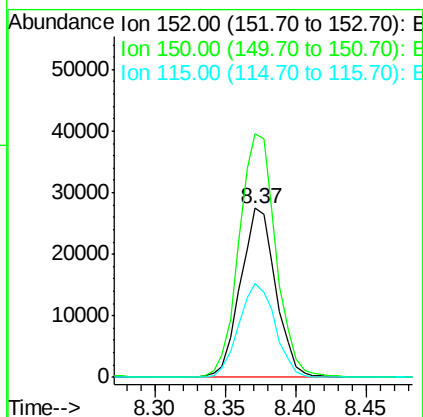
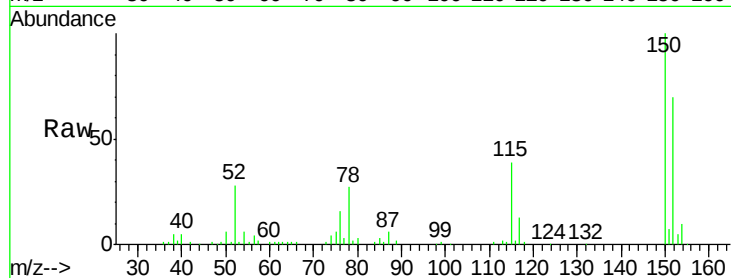


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.37 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

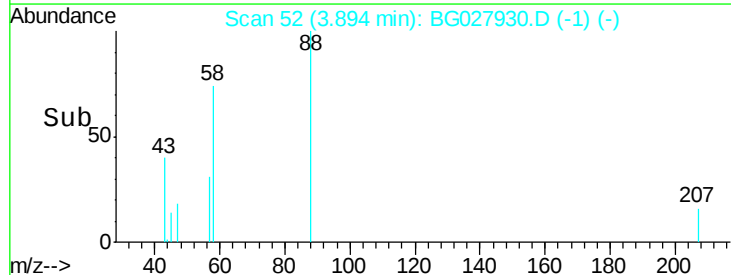
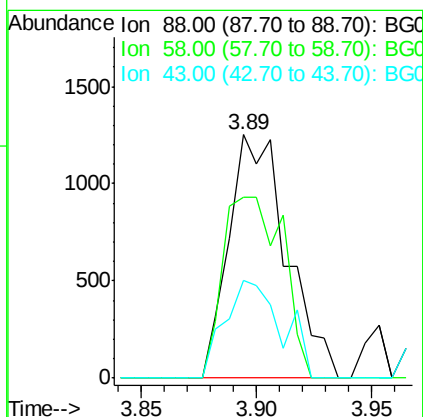
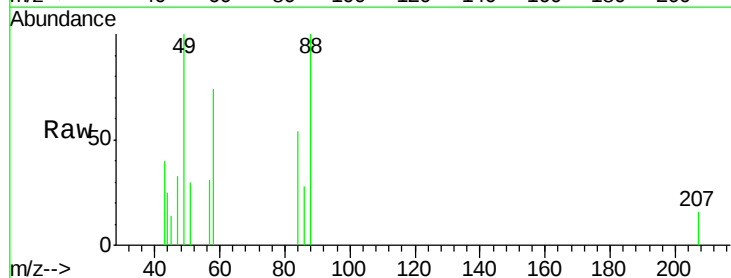
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Ion Ratio Lower Upper  
152 100  
150 143.8 114.0 171.0  
115 55.5 48.1 72.1

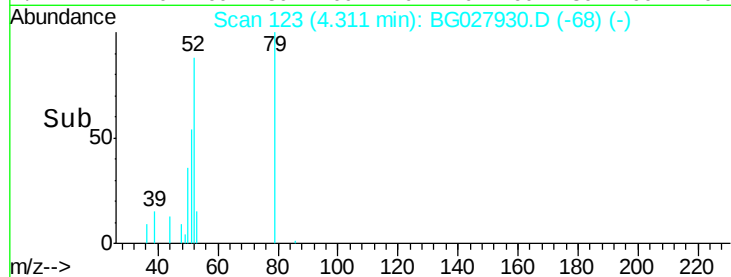
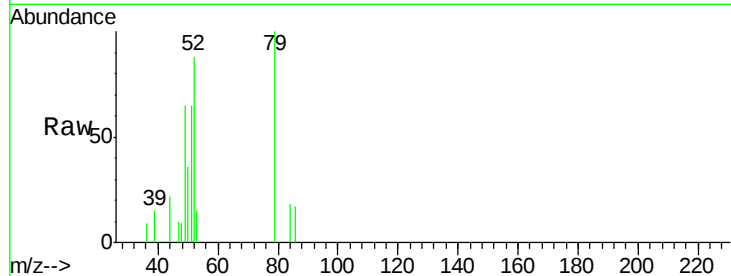
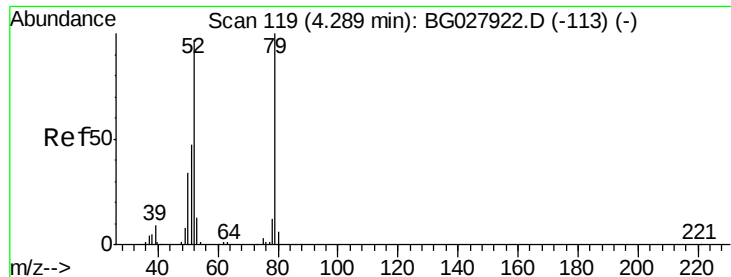


#2

1,4-Dioxane  
Concen: 2.19 ng  
RT: 3.89 min Scan# 52  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion: 88 Resp: 2182  
Ion Ratio Lower Upper  
88 100  
58 77.4 79.4 119.2#  
43 39.0 33.8 50.6





#3

Pvridine

Concen: 1.51 ng

RT: 4.31 min Scan# 123

Delta R.T. 0.02 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampled :

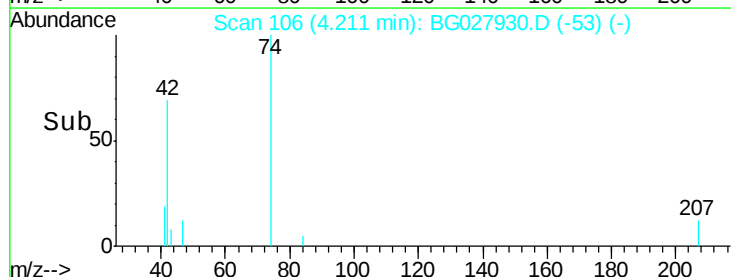
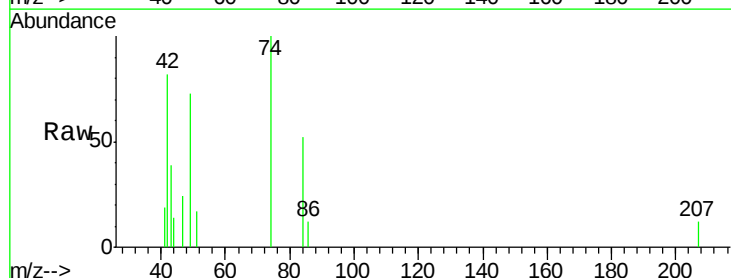
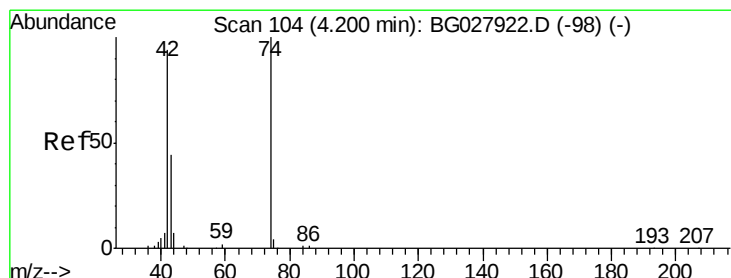
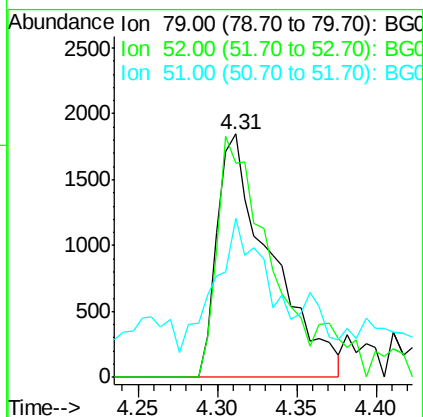
Tot Ion: 79 Resp: 4314

Ion Ratio Lower Upper

79 100

52 87.9 77.8 116.6

51 65.3 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 1.71 ng

RT: 4.21 min Scan# 106

Delta R.T. 0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

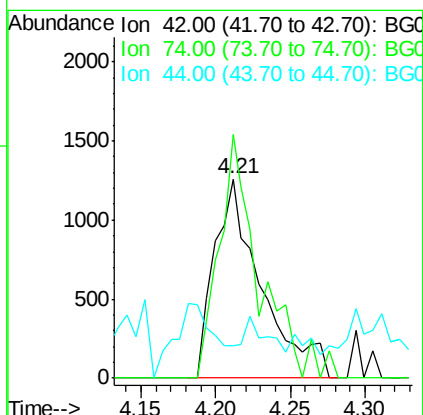
Tgt Ion: 42 Resp: 2740

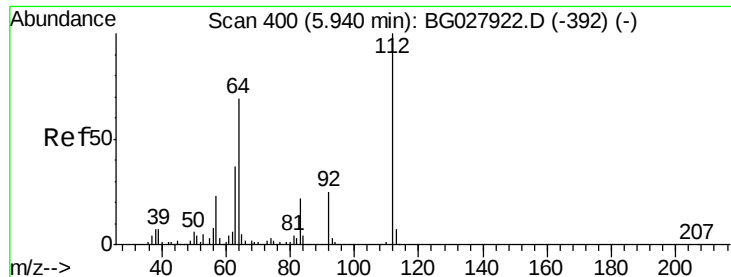
Ion Ratio Lower Upper

42 100

74 122.3 76.7 115.1#

44 16.6 6.1 9.1#





#5

2-Fluorophenol

Concen: 142.15 ng

RT: 5.94 min Scan# 400

Delta R.T. -0.00 min

Lab File: BG027930.D

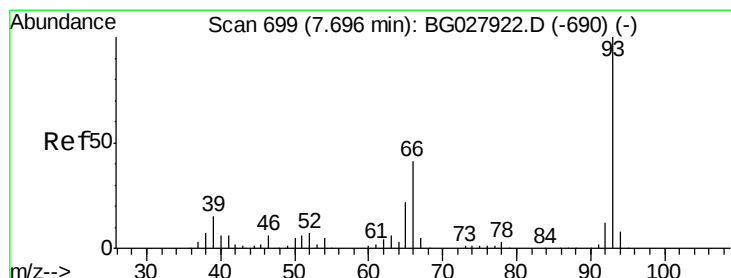
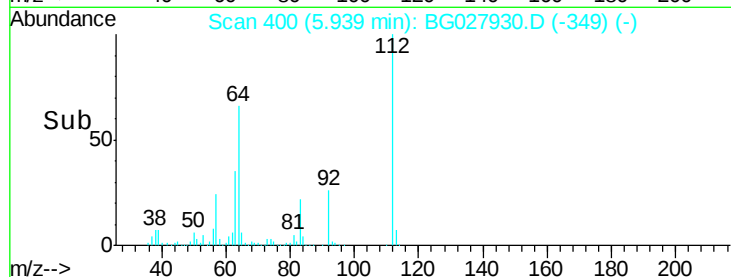
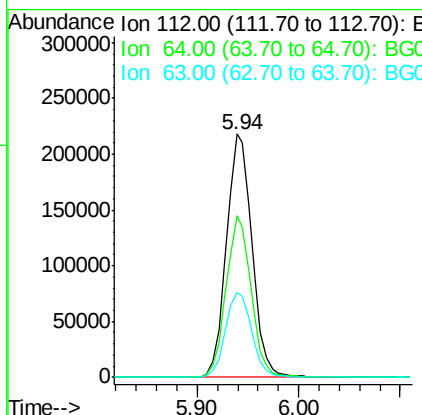
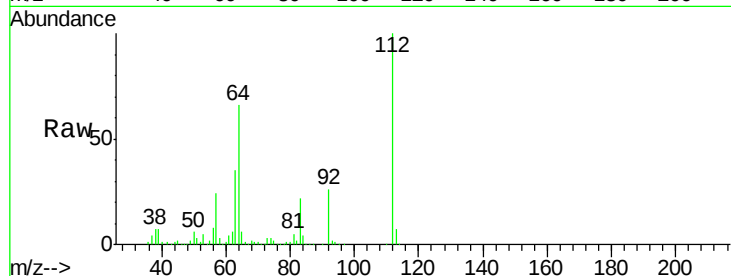
Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 380633 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 66.3  | 61.8  | 92.6   |
| 63       | 34.8  | 37.2  | 55.8#  |



#6

Aniline

Concen: 1.79 ng

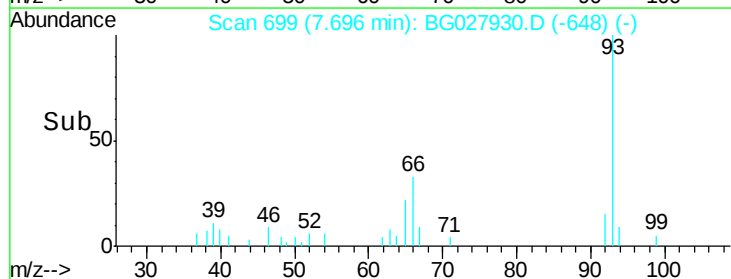
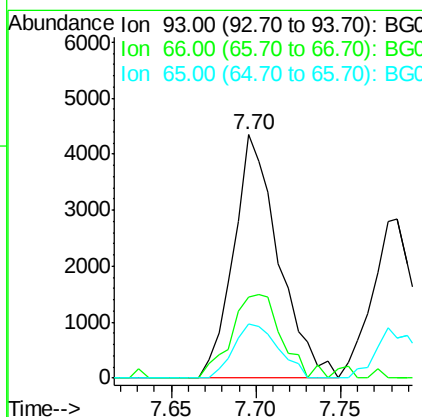
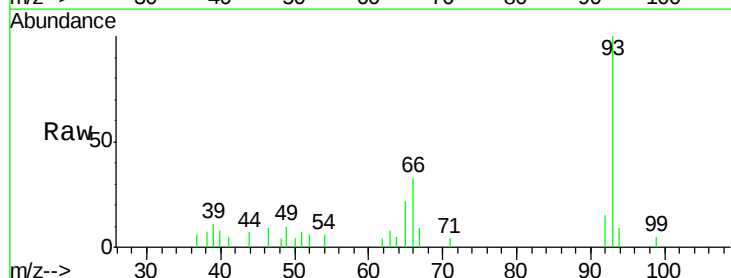
RT: 7.70 min Scan# 699

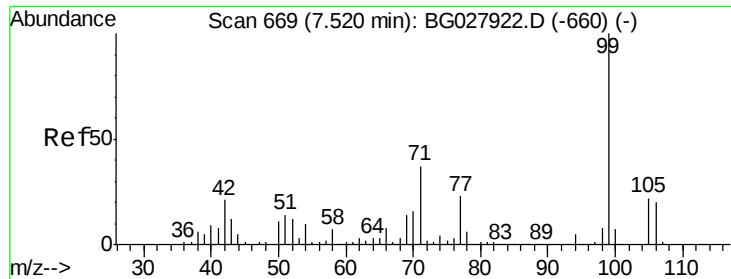
Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 8054  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 33.2  | 35.4  | 53.2# |
| 65       | 22.5  | 21.2  | 31.8  |





#7

Phenol-d6

Concen: 132.83 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampled :

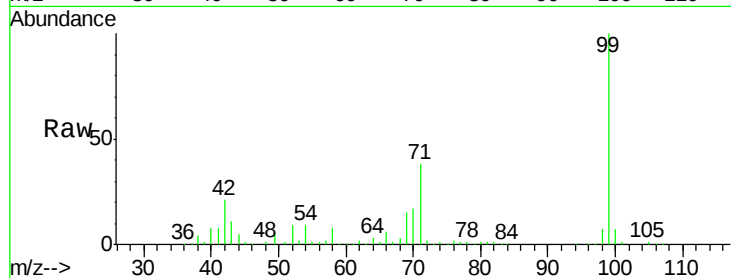
Tot Ion: 99 Resp: 512435

Ion Ratio Lower Upper

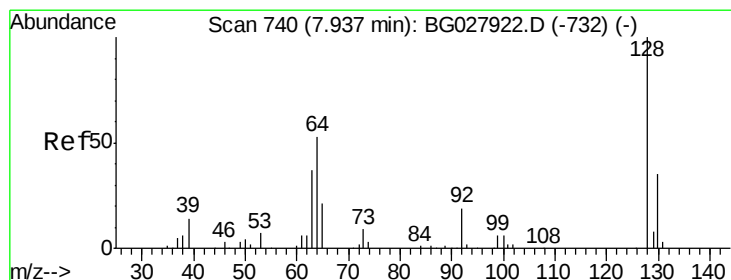
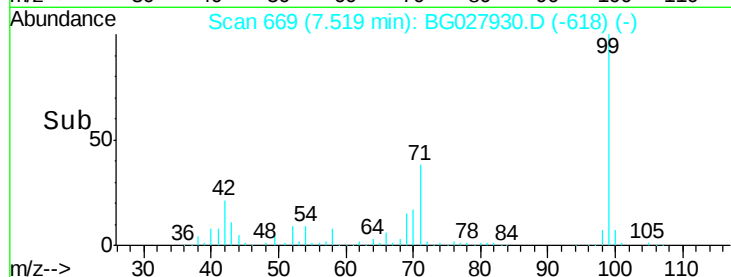
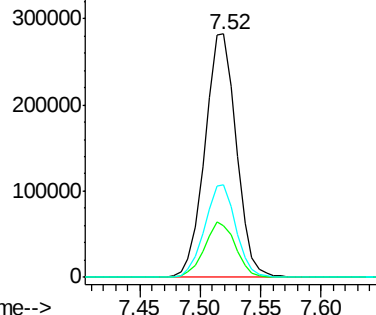
99 100

42 21.2 20.5 30.7

71 38.2 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: 1.76 ng

RT: 7.94 min Scan# 740

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

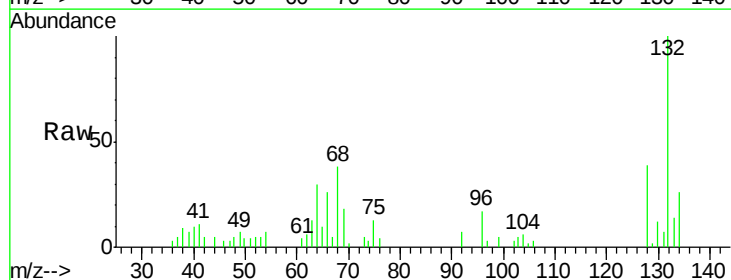
Tgt Ion: 128 Resp: 5393

Ion Ratio Lower Upper

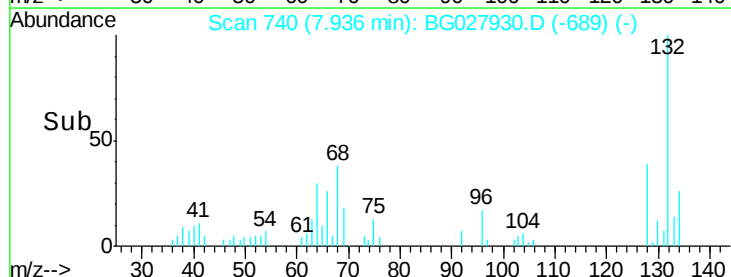
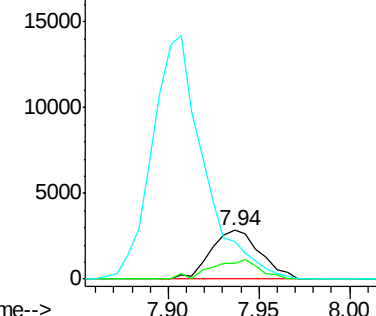
128 100

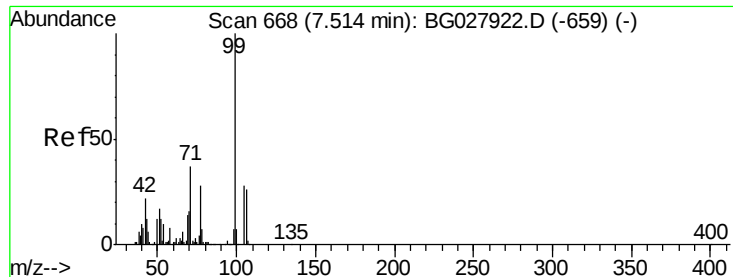
130 31.7 11.4 51.4

64 77.7 46.6 86.6



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

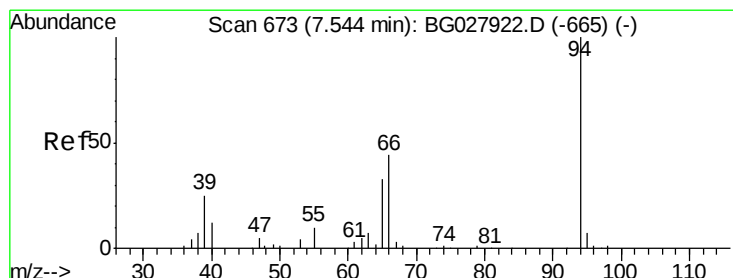
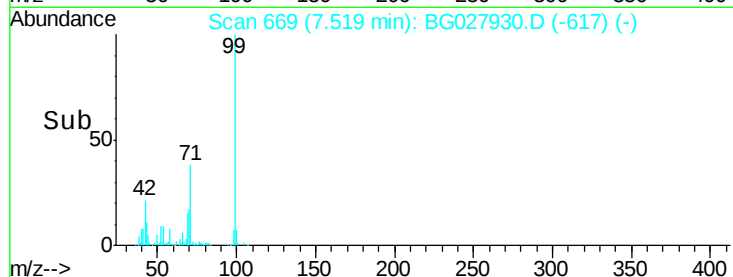
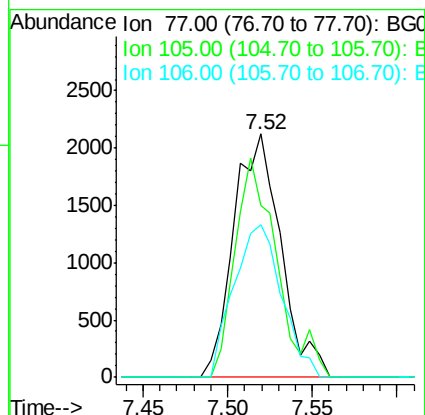
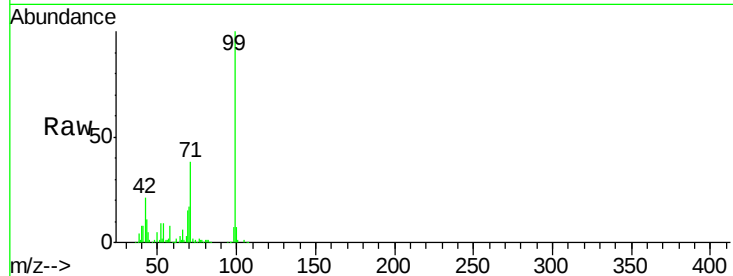




#9  
Benzaldehyde  
Concen: 1.95 ng  
RT: 7.52 min Scan# 669  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

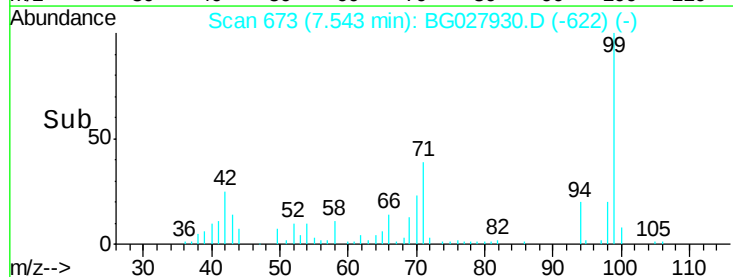
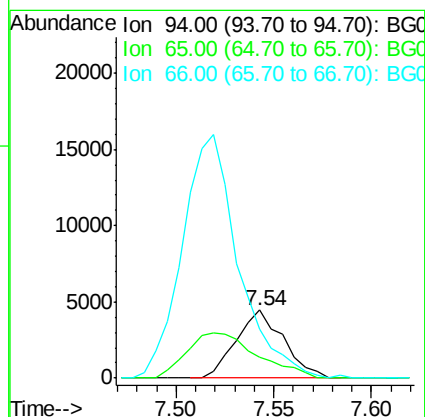
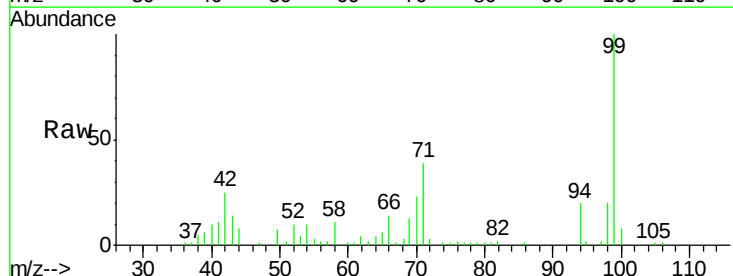
Instrument :  
BNA\_G  
ClientSampled :

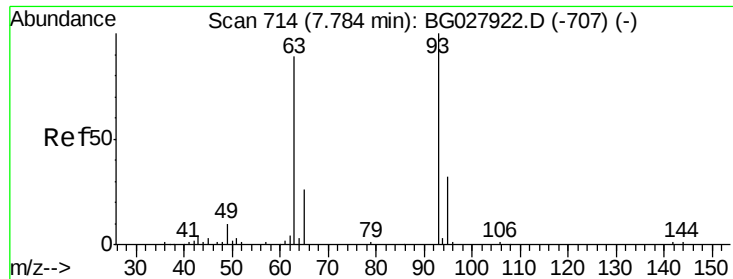
Tot Ion: 77 Resp: 4112  
Ion Ratio Lower Upper  
77 100  
105 70.6 60.9 100.9  
106 63.0 55.1 95.1



#10  
Phenol  
Concen: 1.85 ng  
RT: 7.54 min Scan# 673  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion: 94 Resp: 7477  
Ion Ratio Lower Upper  
94 100  
65 31.7 20.6 60.6  
66 72.2 35.5 75.5





#11

bis(2-Chloroethyl)ether

Concen: 1.65 ng

RT: 7.78 min Scan# 714

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

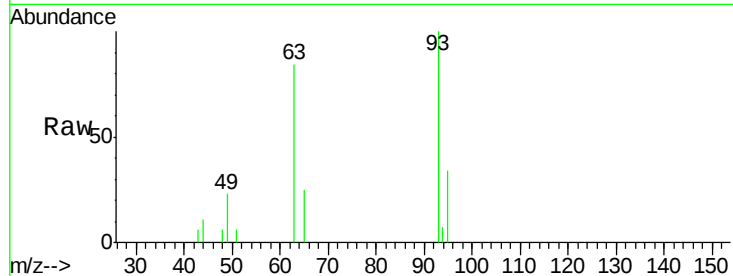
Tot Ion: 93 Resp: 4897

Ion Ratio Lower Upper

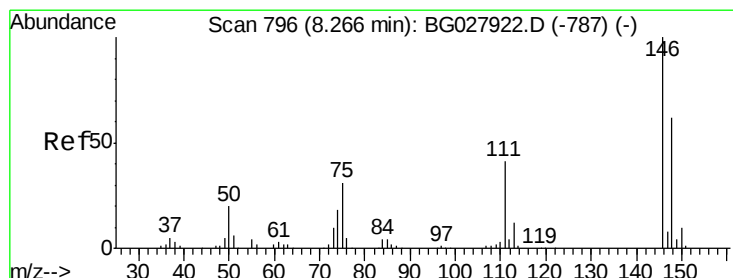
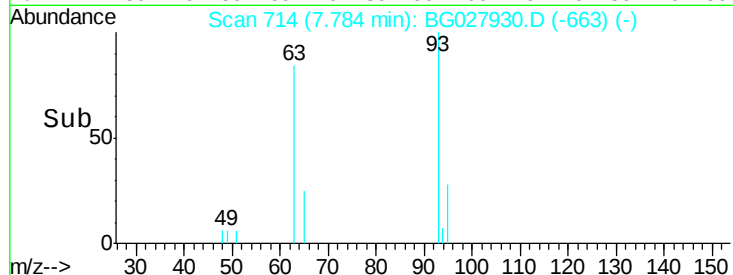
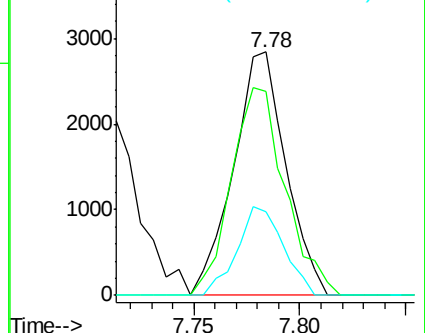
93 100

63 83.5 78.5 118.5

95 34.3 9.8 49.8



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



#12

1,3-Dichlorobenzene

Concen: 1.78 ng

RT: 8.27 min Scan# 796

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

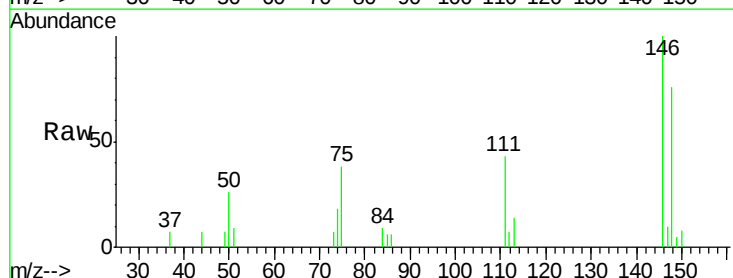
Tgt Ion: 146 Resp: 6382

Ion Ratio Lower Upper

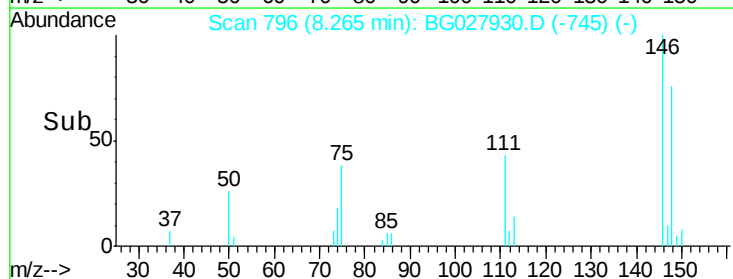
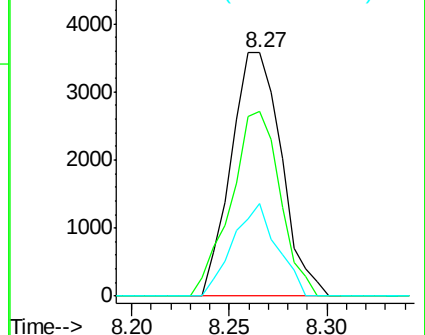
146 100

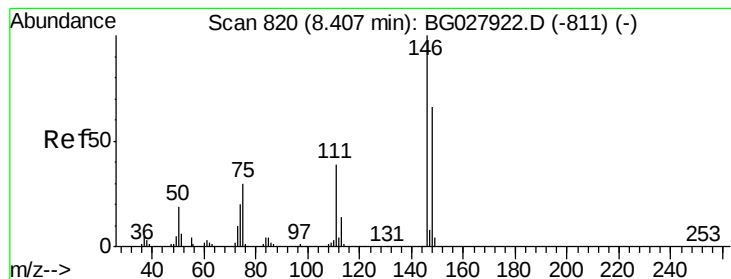
148 75.9 49.2 73.8#

75 37.9 33.4 50.2



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 1.72 ng

RT: 8.27 min Scan# 796

Delta R.T. -0.14 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampled :

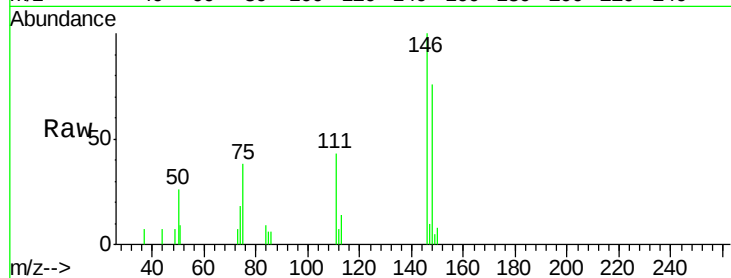
Tot Ion:146 Resp: 6382

Ion Ratio Lower Upper

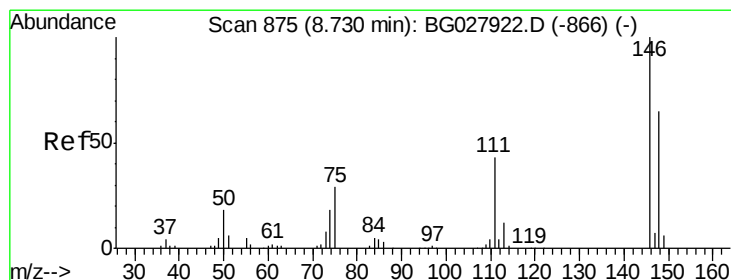
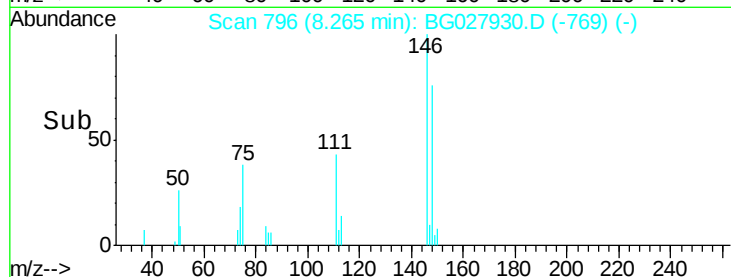
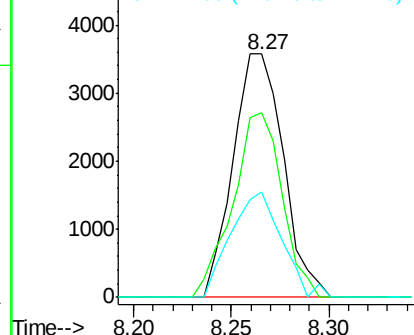
146 100

148 75.9 52.2 78.2

111 43.2 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: 1.76 ng

RT: 8.73 min Scan# 875

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

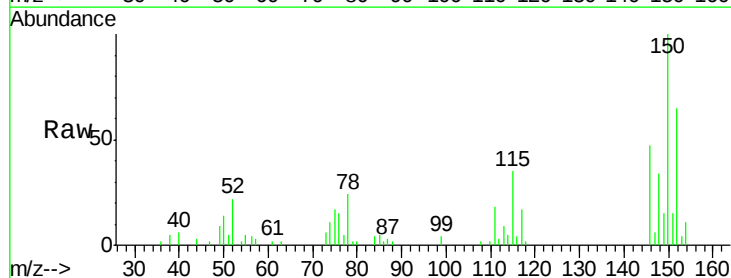
Tgt Ion:146 Resp: 6323

Ion Ratio Lower Upper

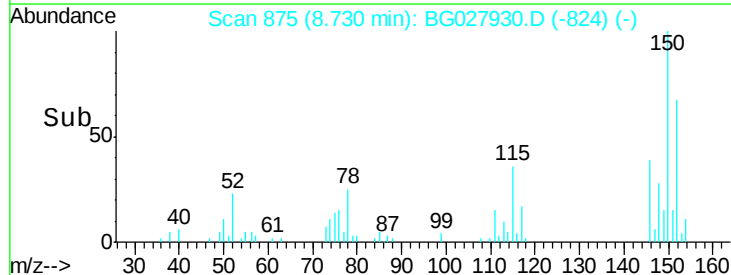
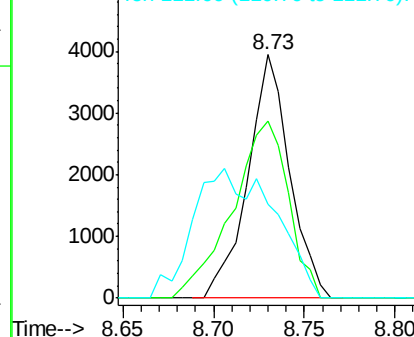
146 100

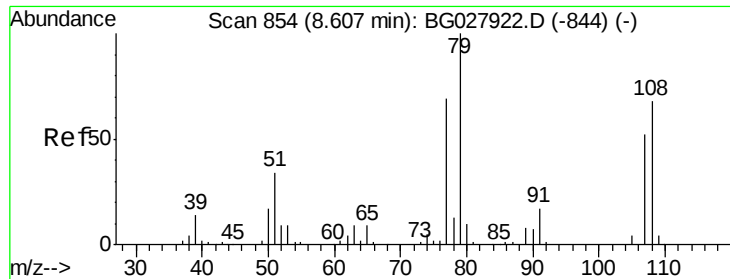
148 72.8 54.6 81.8

111 38.4 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: 1.69 ng

RT: 8.61 min Scan# 855

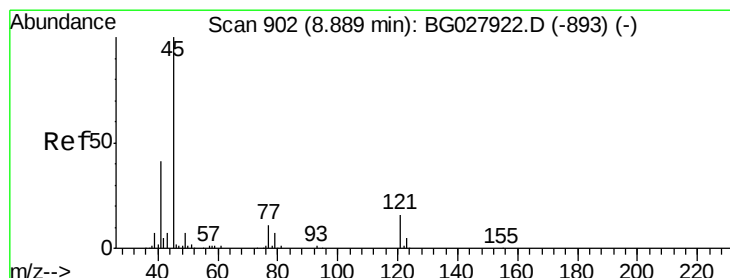
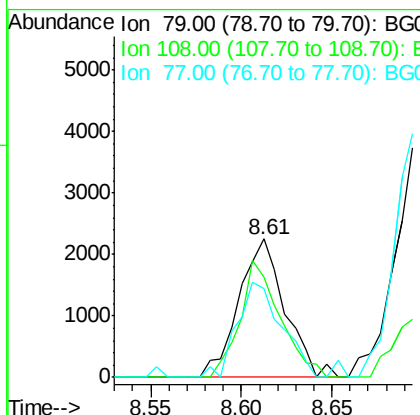
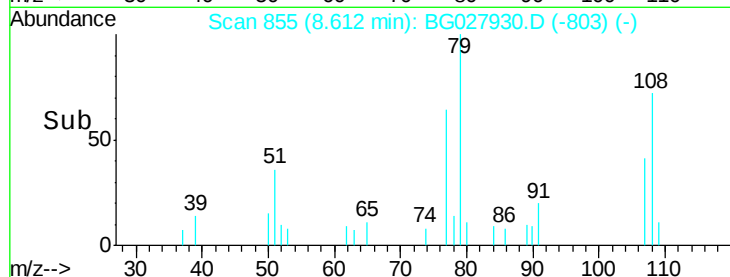
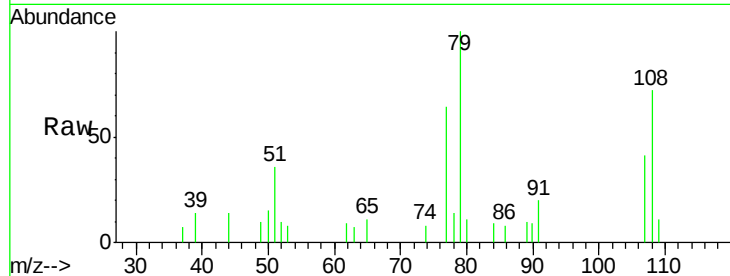
Delta R.T. 0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 79 Resp: 3985  
Ion Ratio Lower Upper  
79 100  
108 72.2 45.5 68.3#  
77 64.4 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.78 ng

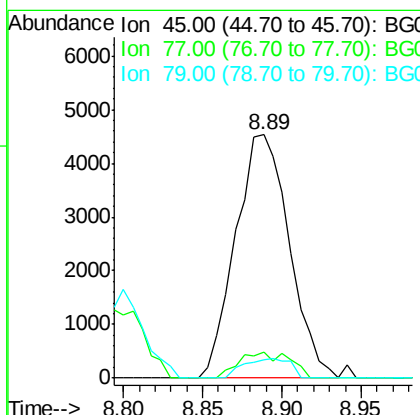
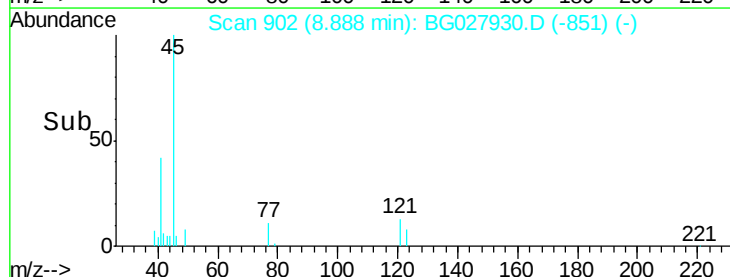
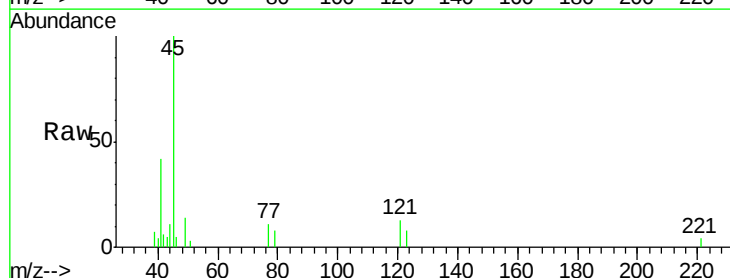
RT: 8.89 min Scan# 902

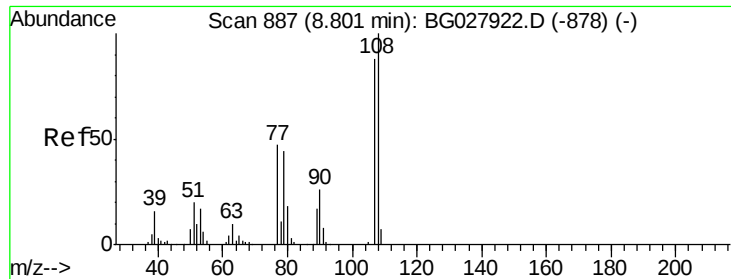
Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Tgt Ion: 45 Resp: 10650  
Ion Ratio Lower Upper  
45 100  
77 10.8 0.0 30.6  
79 7.7 0.0 28.5





#17

2-Methylphenol

Concen: 1.68 ng

RT: 8.79 min Scan# 886

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampled :

Tot Ion:107 Resp: 4465

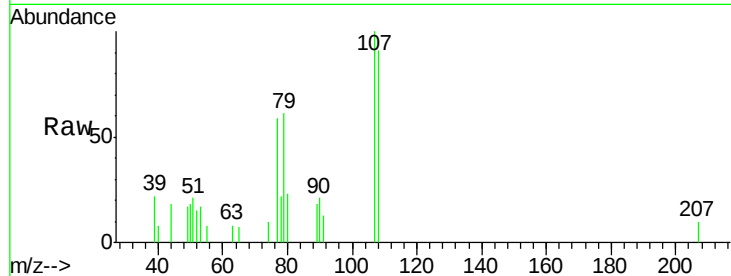
Ion Ratio Lower Upper

107 100

108 91.1 85.6 128.4

77 58.7 51.4 77.2

79 60.6 49.2 73.8

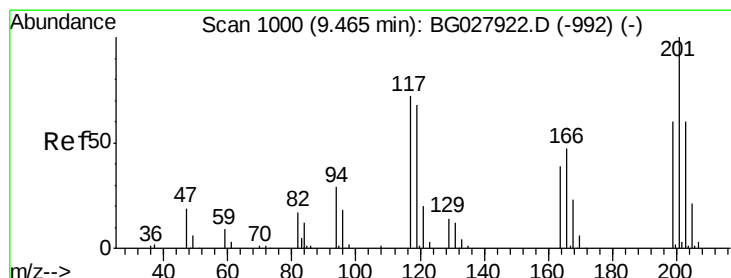
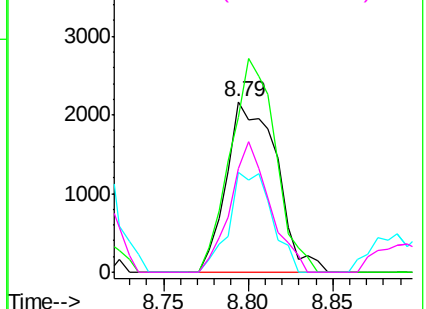
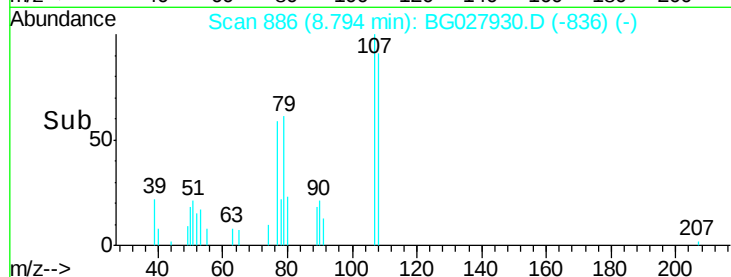


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 1.80 ng

RT: 9.46 min Scan# 999

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

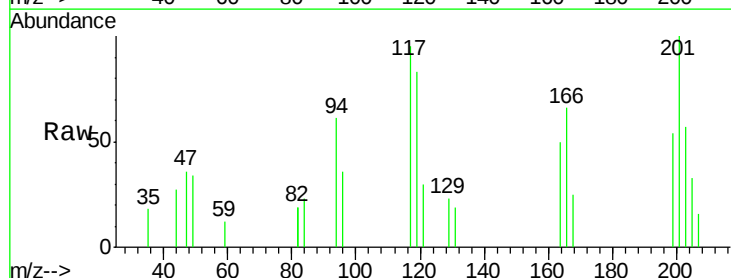
Tgt Ion:117 Resp: 2167

Ion Ratio Lower Upper

117 100

119 87.5 69.8 104.6

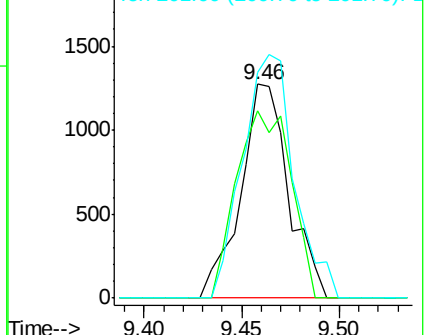
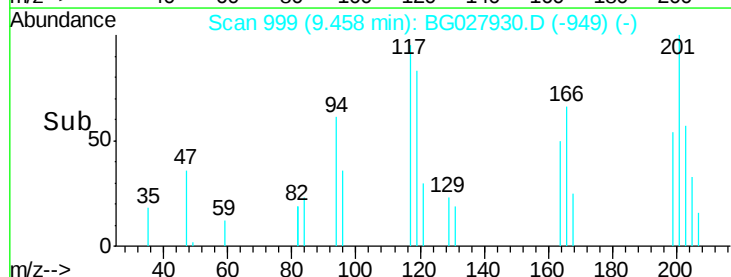
201 105.6 95.4 143.0

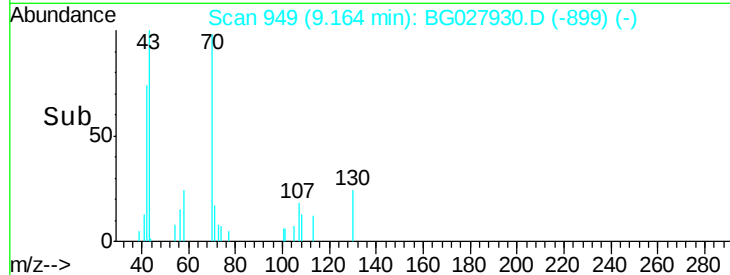
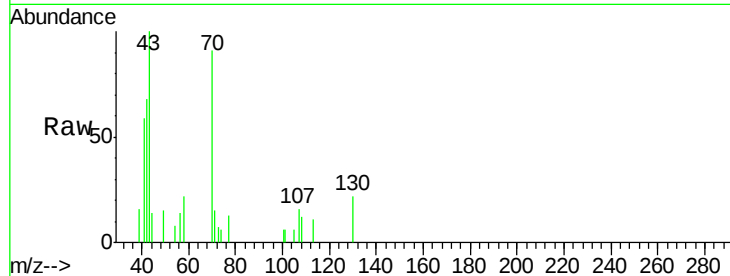
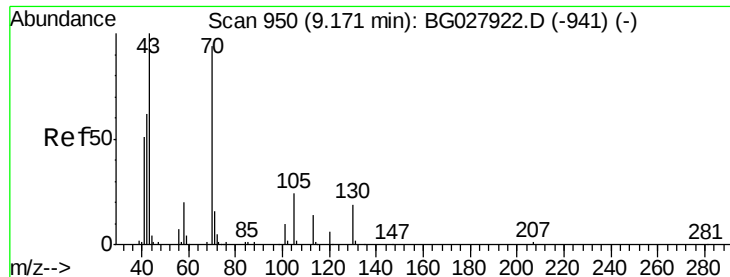


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

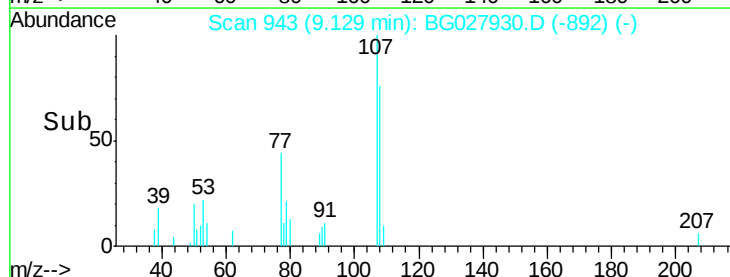
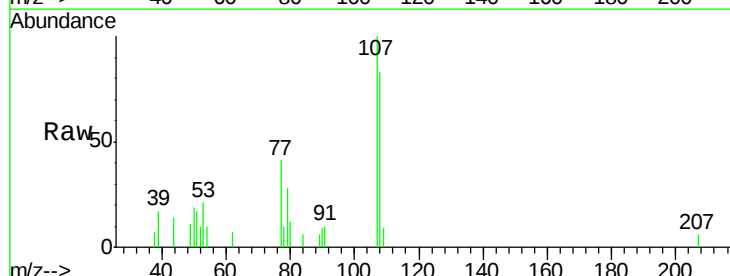
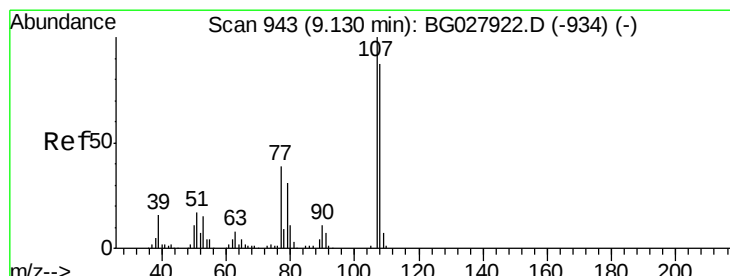
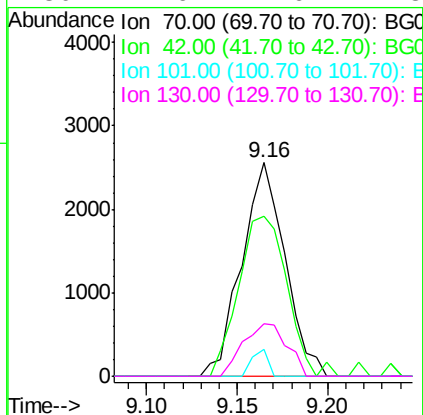




#19  
n-Nitroso-di-n-propylamine  
Concen: 1.58 ng  
RT: 9.16 min Scan# 949  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

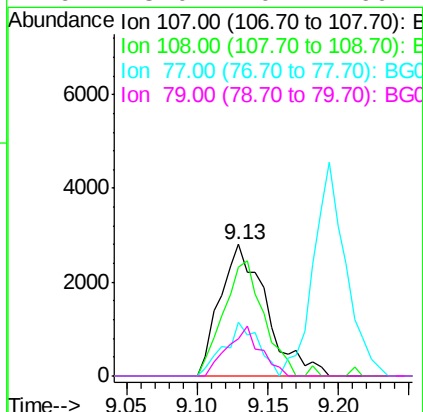
Instrument :  
BNA\_G  
ClientSampleId :

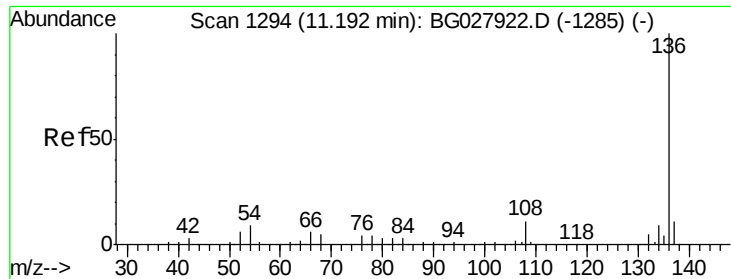
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 4252  |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 75.2  | 56.1  | 84.1  |
| 101      | 12.8  | 7.5   | 11.3# |
| 130      | 24.6  | 14.6  | 21.8# |



#20  
3+4-Methylphenols  
Concen: 1.72 ng  
RT: 9.13 min Scan# 943  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 6436  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 82.7  | 70.8  | 110.8 |
| 77       | 41.2  | 25.8  | 65.8  |
| 79       | 28.0  | 20.1  | 60.1  |

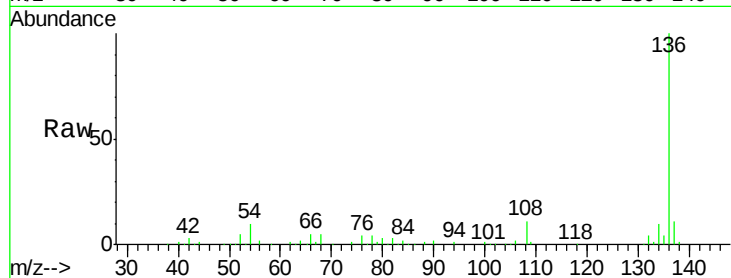




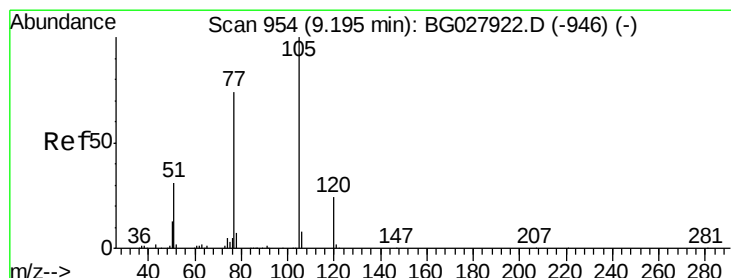
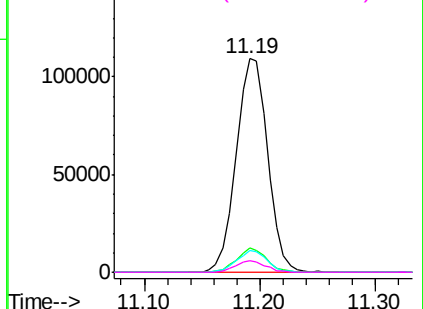
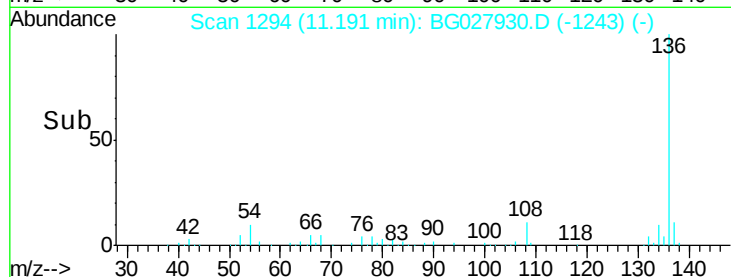
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.19 min Scan# 1294  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 205730   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 8.9 13.3 |
| 54          | 10.1  | 9.3 13.9 |
| 68          | 5.1   | 5.1 7.7  |

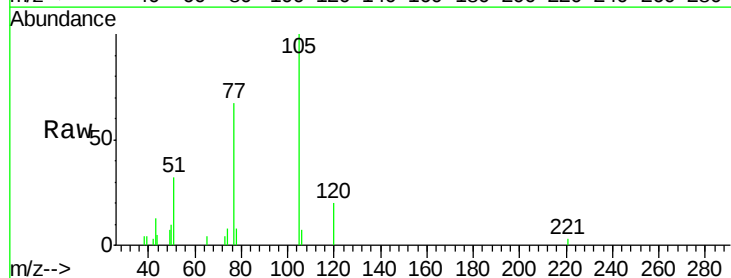


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

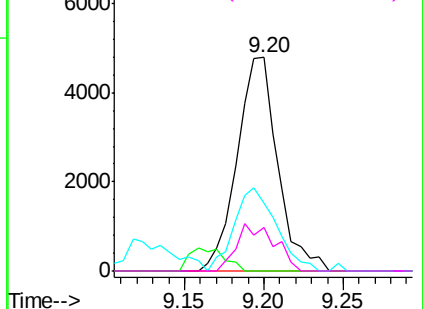
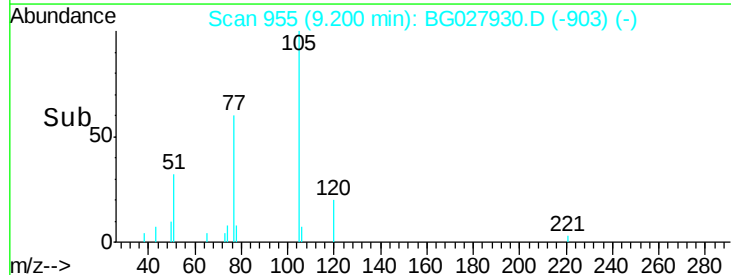


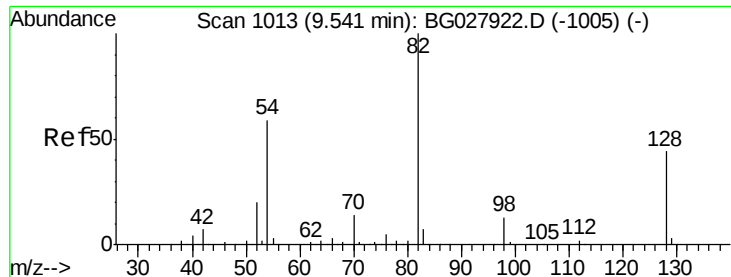
#22  
Acetophenone  
Concen: 1.72 ng  
RT: 9.20 min Scan# 955  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:105 | Resp: | 8512       |
| Ion Ratio   | Lower | Upper      |
| 105         | 100   |            |
| 71          | 0.0   | 0.9 1.3#   |
| 51          | 31.6  | 34.0 51.0# |
| 120         | 20.4  | 17.3 25.9  |



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

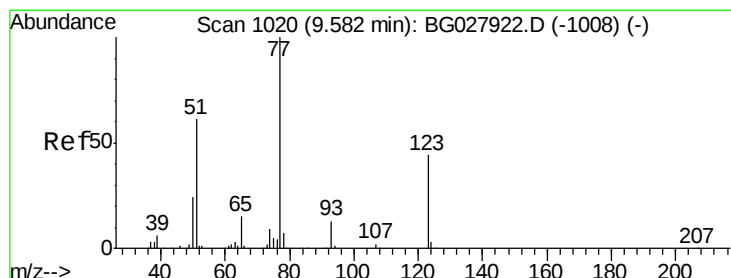
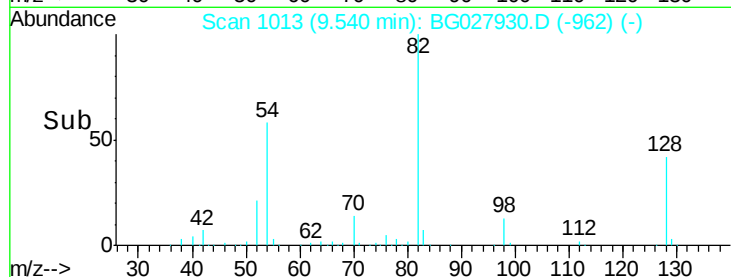
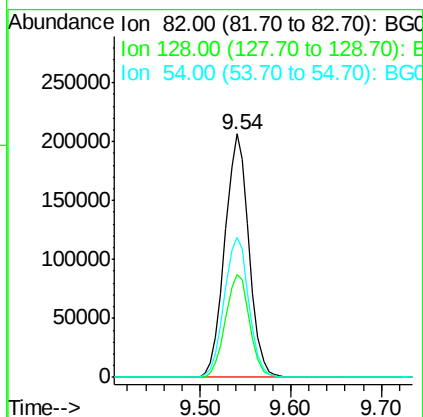
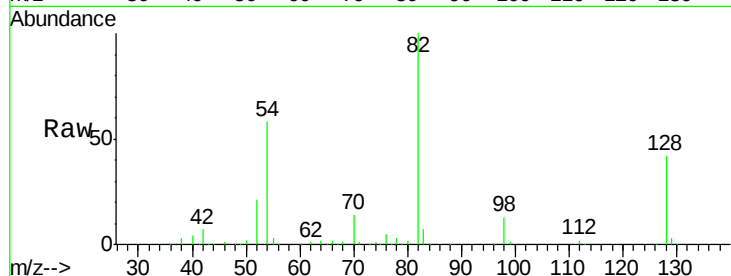




#23  
 Nitrobenzene-d5  
 Concen: 103.19 ng  
 RT: 9.54 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

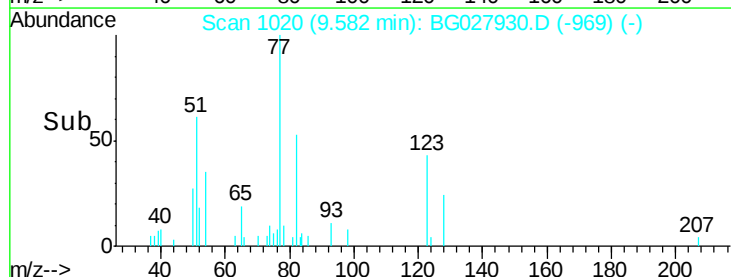
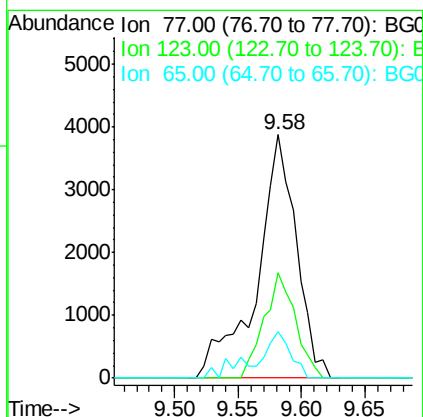
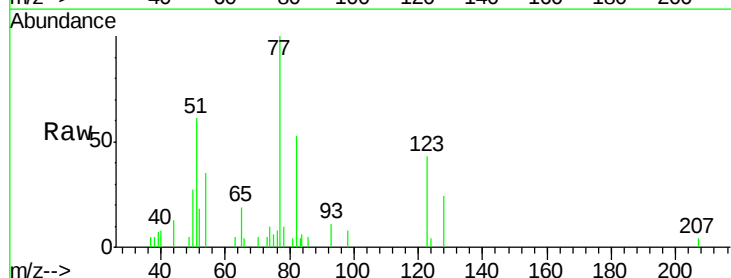
Instrument :  
 BNA\_G  
 ClientSampleId :

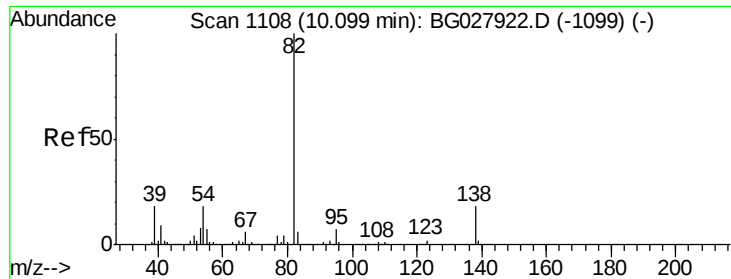
Tot Ion: 82 Resp: 379935  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 26.4 39.6#  
 54 57.7 49.4 74.2



#24  
 Nitrobenzene  
 Concen: 2.16 ng  
 RT: 9.58 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion: 77 Resp: 8383  
 Ion Ratio Lower Upper  
 77 100  
 123 43.3 26.1 39.1#  
 65 19.2 12.4 18.6#





#25

Isophorone

Concen: 1.70 ng

RT: 10.10 min Scan# 1108

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

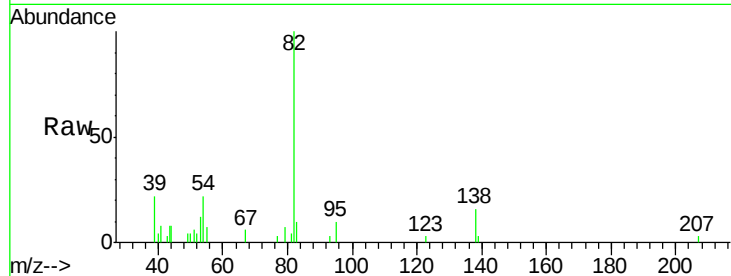
Tot Ion: 82 Resp: 11973

Ion Ratio Lower Upper

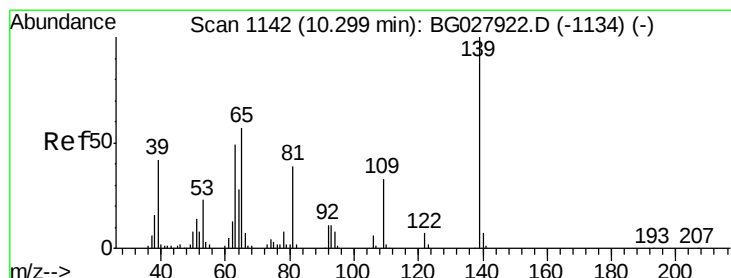
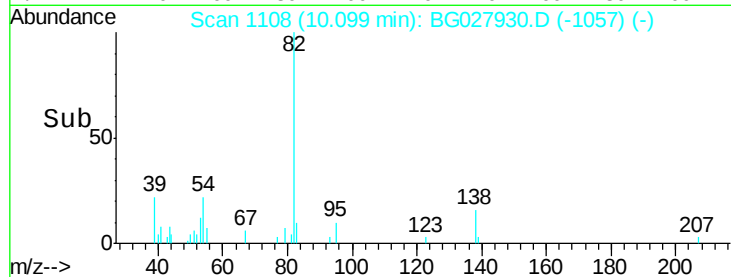
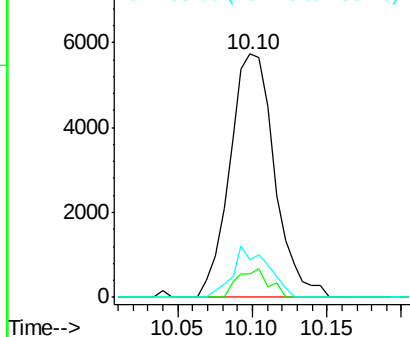
82 100

95 9.6 7.5 11.3

138 15.6 12.3 18.5



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



#26

2-Nitrophenol

Concen: 1.65 ng

RT: 10.30 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

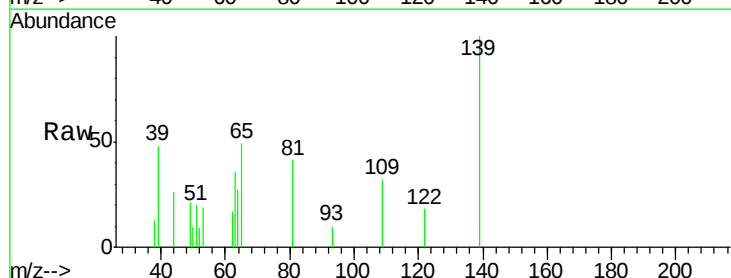
Tgt Ion: 139 Resp: 3056

Ion Ratio Lower Upper

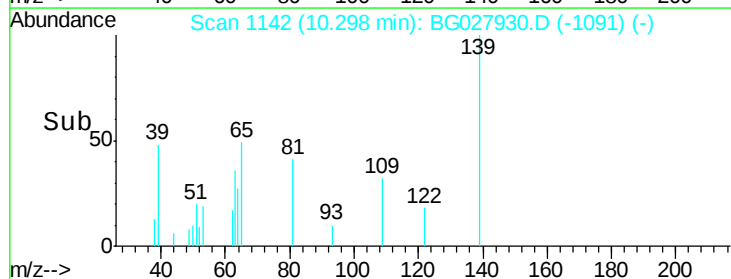
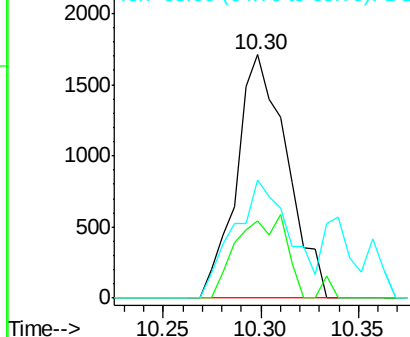
139 100

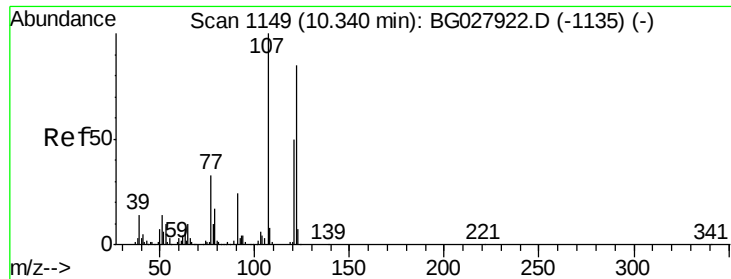
109 31.9 38.6 58.0#

65 48.8 57.1 85.7#



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

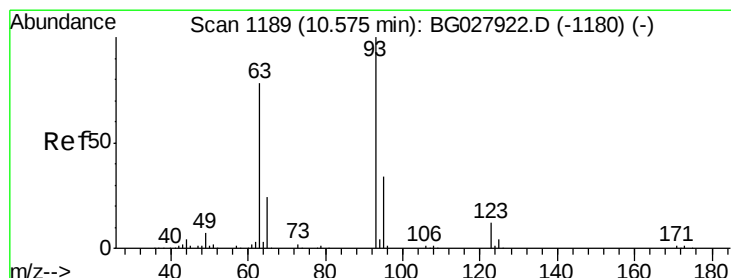
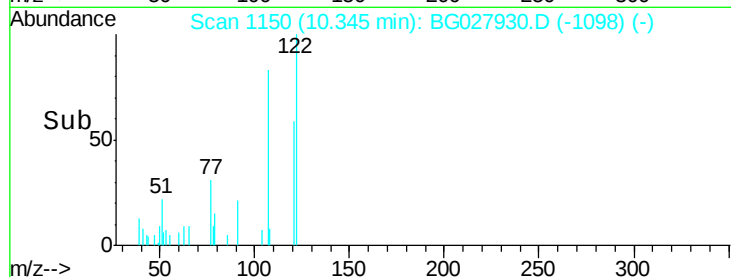
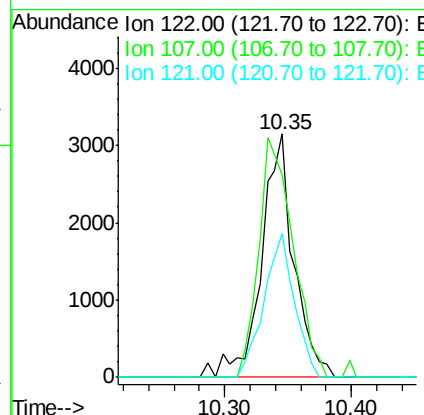
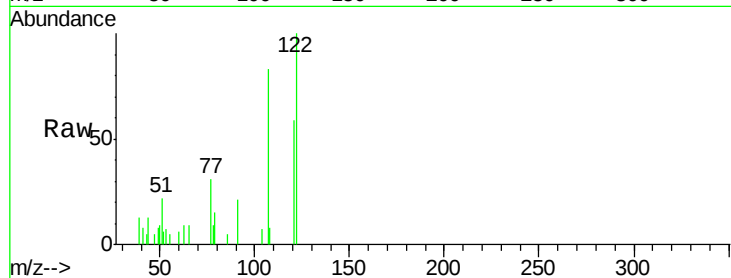




#27  
 2,4-Dimethylphenol  
 Concen: 1.72 ng  
 RT: 10.35 min Scan# 1150  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

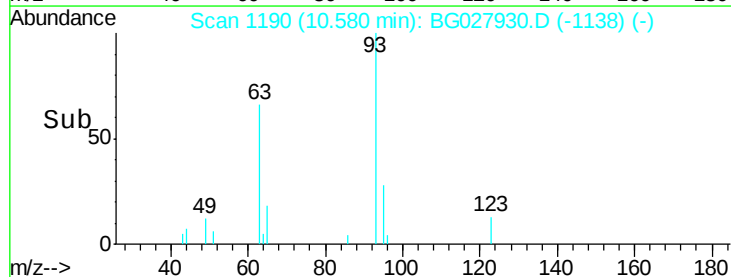
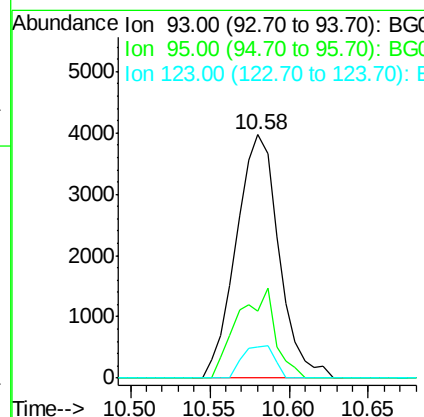
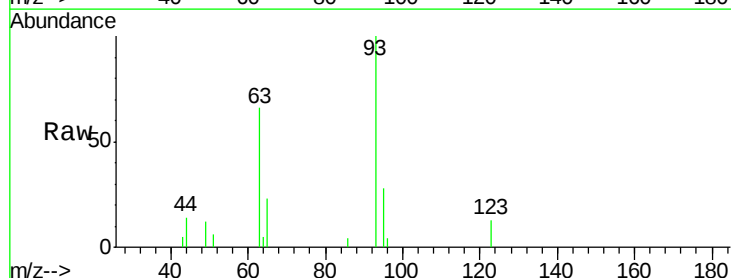
Instrument :  
 BNA\_G  
 ClientSampleId :

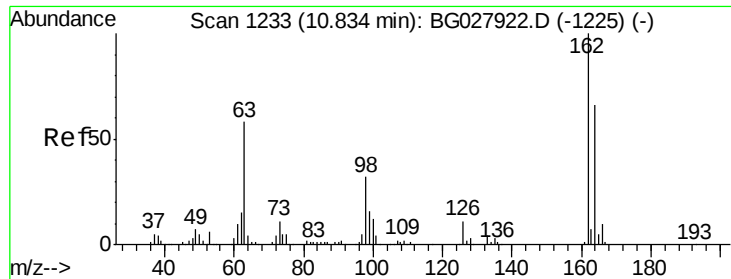
Tot Ion:122 Resp: 5604  
 Ion Ratio Lower Upper  
 122 100  
 107 83.4 104.2 156.4#  
 121 59.1 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 1.81 ng  
 RT: 10.58 min Scan# 1190  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion: 93 Resp: 7440  
 Ion Ratio Lower Upper  
 93 100  
 95 27.6 25.7 38.5  
 123 12.6 8.3 12.5#

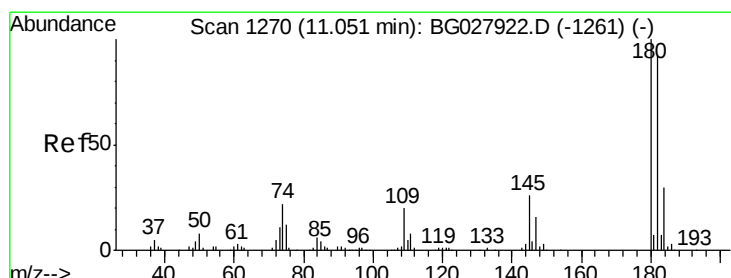
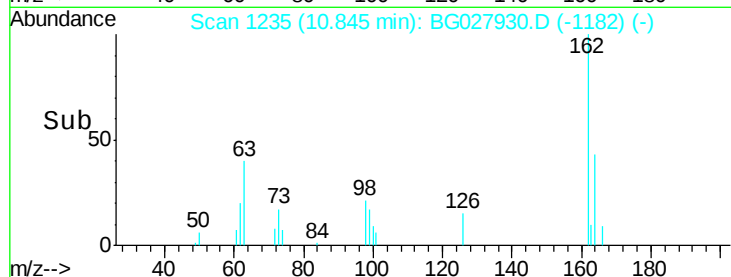
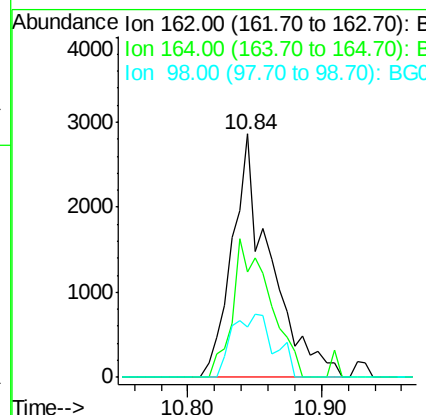
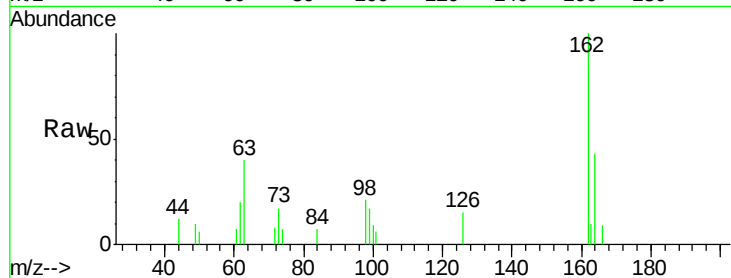




#29  
 2,4-Dichlorophenol  
 Concen: 1.62 ng  
 RT: 10.84 min Scan# 1235  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

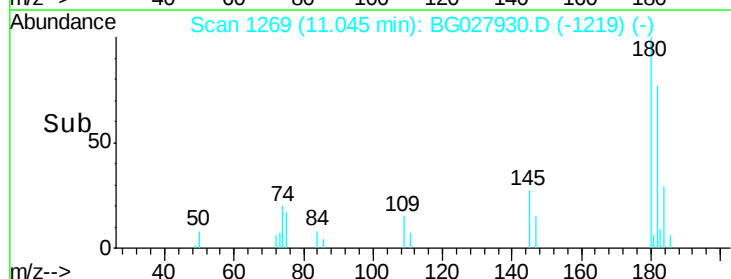
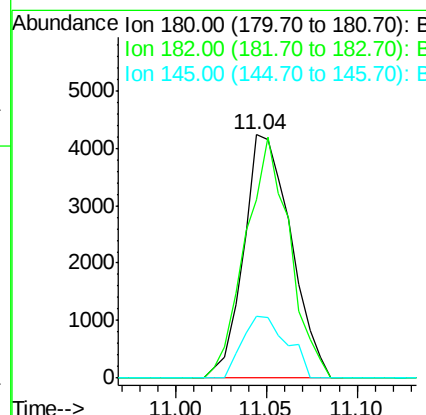
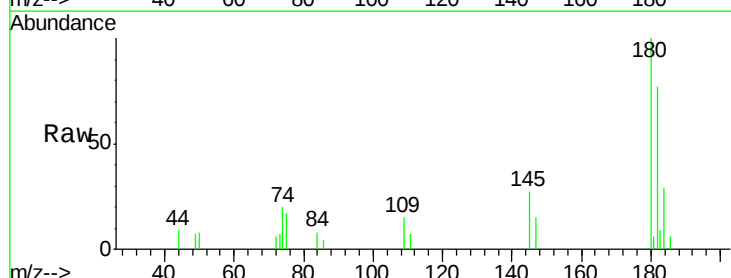
Instrument :  
 BNA\_G  
 ClientSampleId :

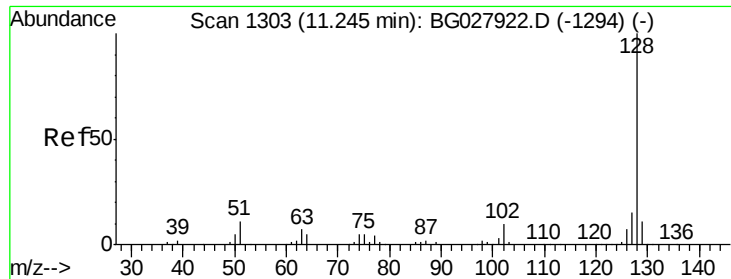
Tot Ion:162 Resp: 5706  
 Ion Ratio Lower Upper  
 162 100  
 164 43.1 42.4 82.4  
 98 20.5 20.3 60.3



#30  
 1,2,4-Trichlorobenzene  
 Concen: 1.94 ng  
 RT: 11.04 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:180 Resp: 7696  
 Ion Ratio Lower Upper  
 180 100  
 182 73.0 77.0 115.4#  
 145 25.1 23.4 35.0

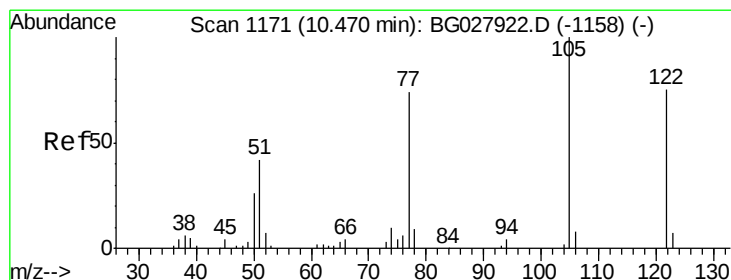
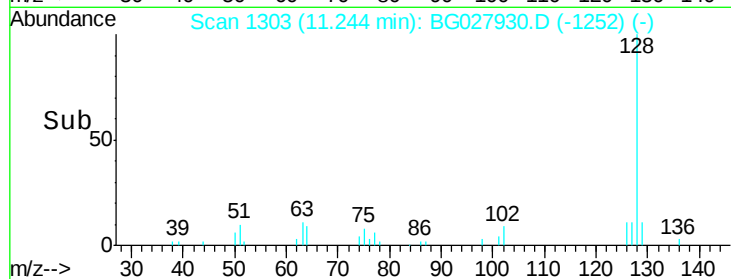
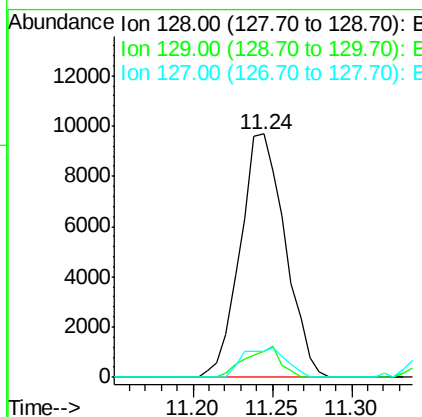
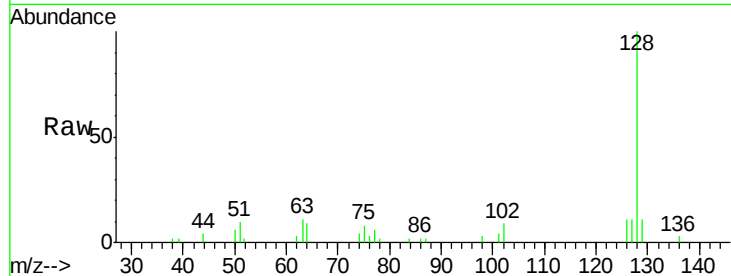




#31  
Naphthalene  
Concen: 1.86 ng  
RT: 11.24 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

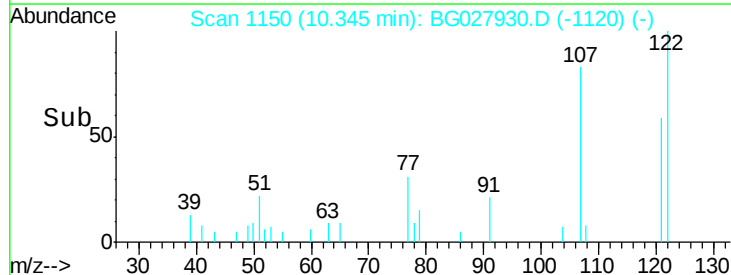
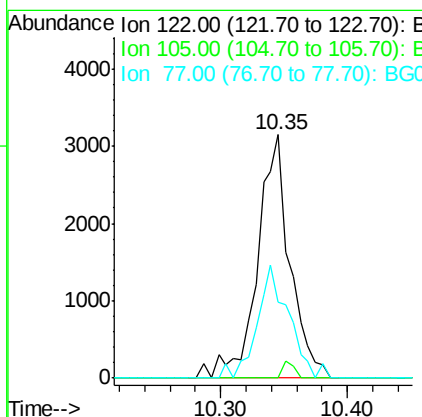
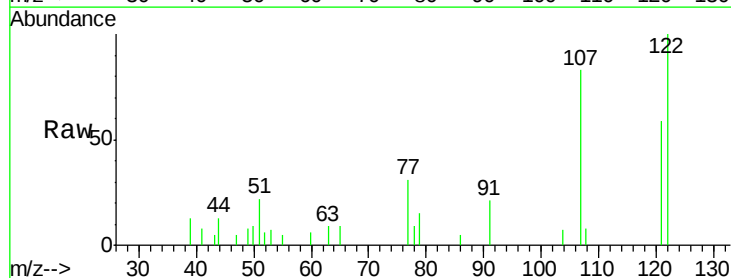
Instrument :  
BNA\_G  
ClientSampleId :

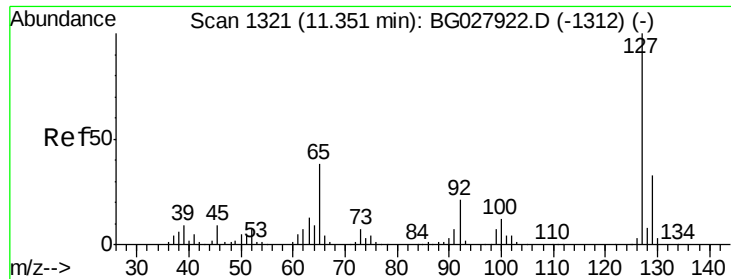
Tot Ion:128 Resp: 19031  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.3 13.9  
127 10.8 11.4 17.0#



#32  
Benzoic acid  
Concen: 10.64 ng  
RT: 10.35 min Scan# 1150  
Delta R.T. -0.12 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:122 Resp: 5604  
Ion Ratio Lower Upper  
122 100  
105 0.0 120.1 160.1#  
77 31.4 104.6 144.6#

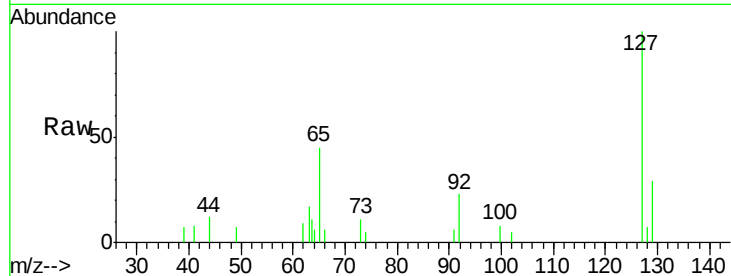




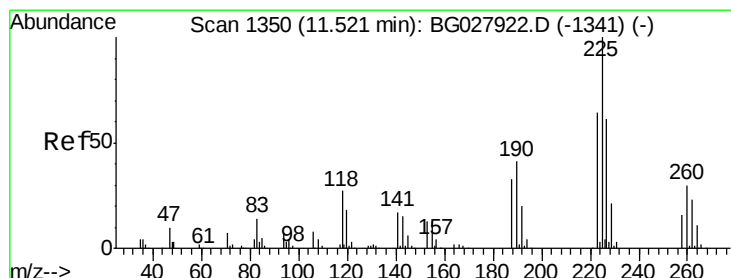
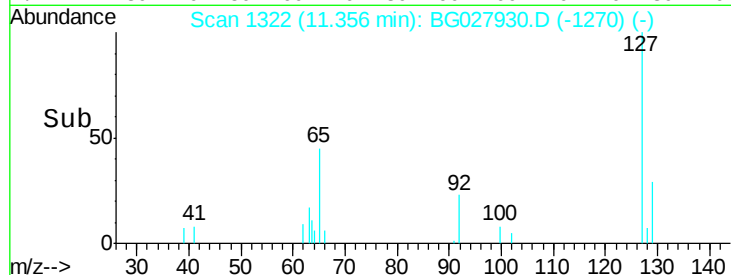
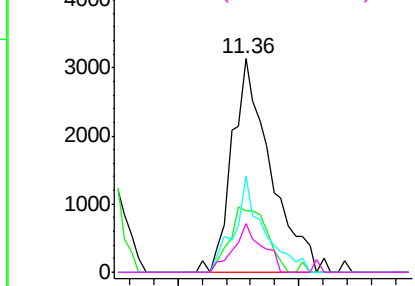
#33  
4-Chloroaniline  
Concen: 1.66 ng  
RT: 11.36 min Scan# 1322  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:127 Resp: 6953  
Ion Ratio Lower Upper  
127 100  
129 28.7 23.6 35.4  
65 45.0 37.7 56.5  
92 22.7 17.6 26.4

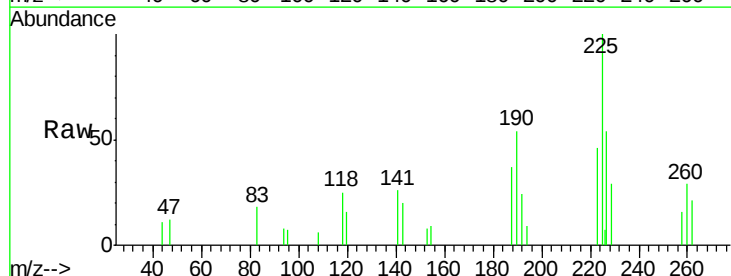


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

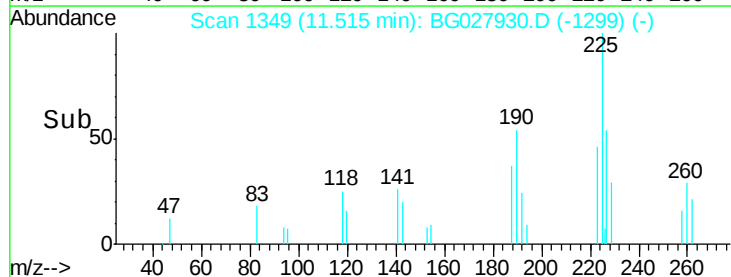
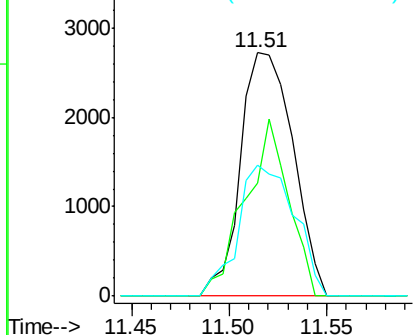


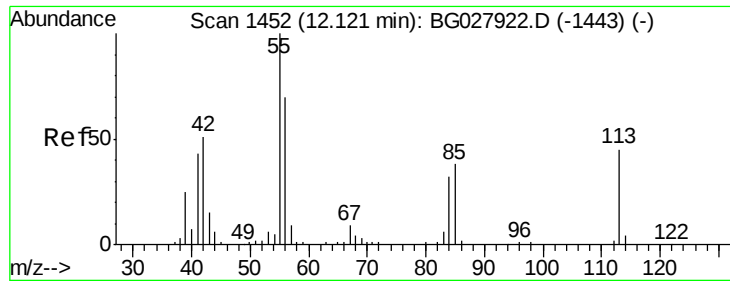
#34  
Hexachlorobutadiene  
Concen: 1.84 ng  
RT: 11.51 min Scan# 1349  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:225 Resp: 5080  
Ion Ratio Lower Upper  
225 100  
223 46.2 50.7 76.1#  
227 53.7 49.0 73.6



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E

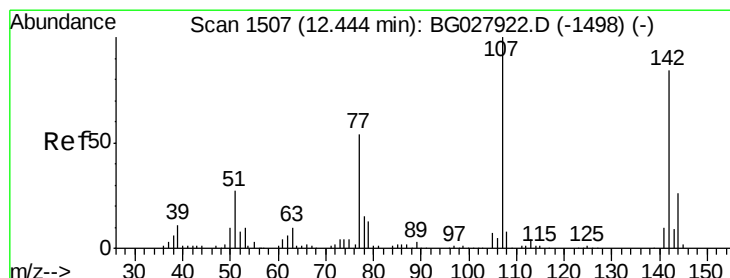
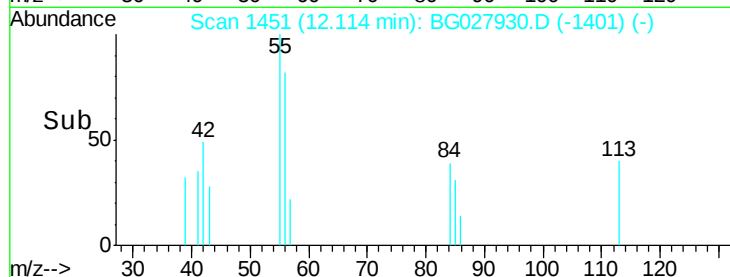
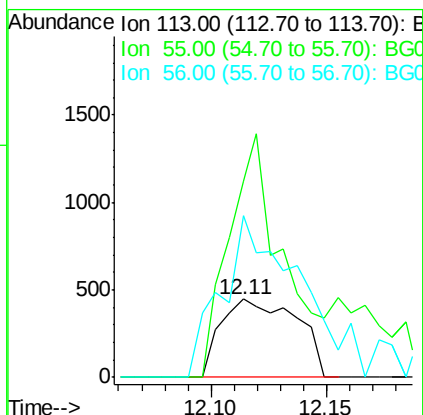
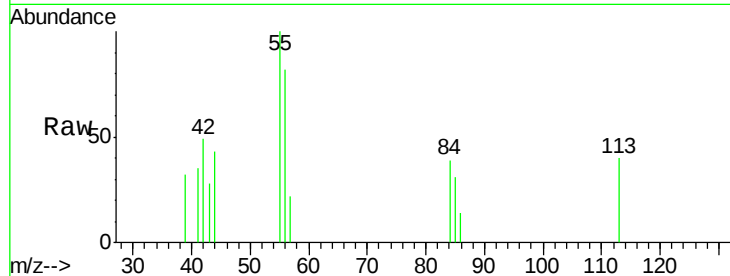




#35  
 Caprolactam  
 Concen: 0.94 ng  
 RT: 12.11 min Scan# 1451  
 Delta R.T. -0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

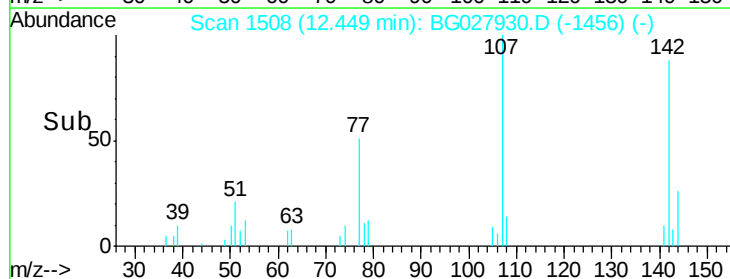
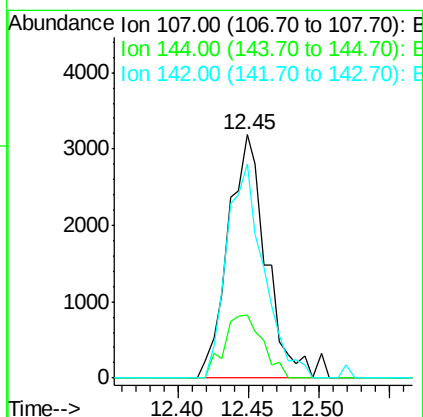
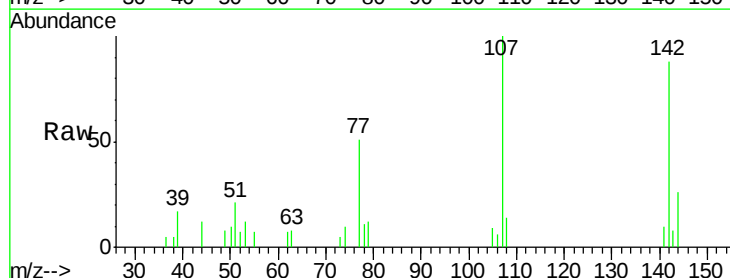
Instrument :  
 BNA\_G  
 ClientSampleID :

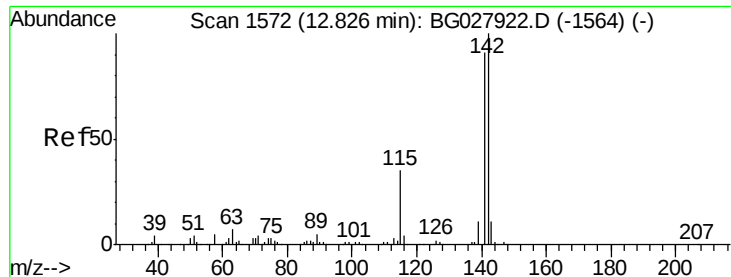
Tot Ion:113 Resp: 1020  
 Ion Ratio Lower Upper  
 113 100  
 55 251.1 198.6 238.6#  
 56 207.0 140.4 180.4#



#36  
 4-Chloro-3-methylphenol  
 Concen: 1.59 ng  
 RT: 12.45 min Scan# 1508  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:107 Resp: 6067  
 Ion Ratio Lower Upper  
 107 100  
 144 26.1 17.4 26.0#  
 142 88.0 54.1 81.1#

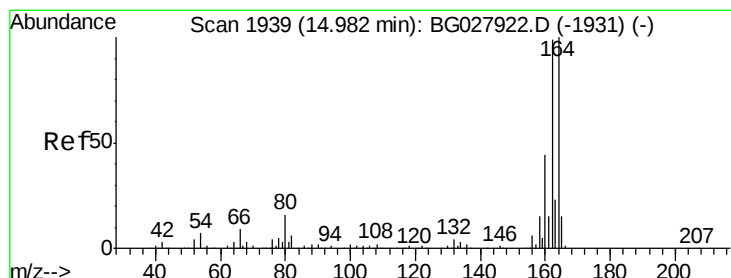
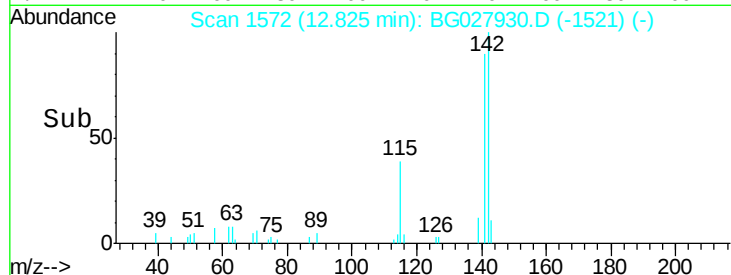
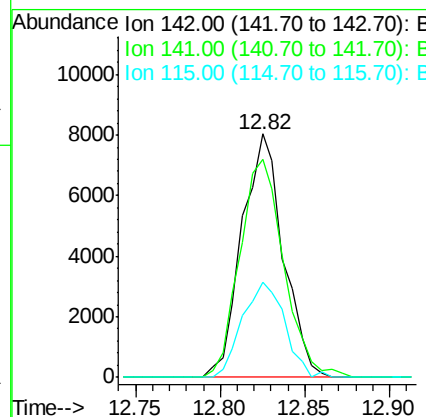
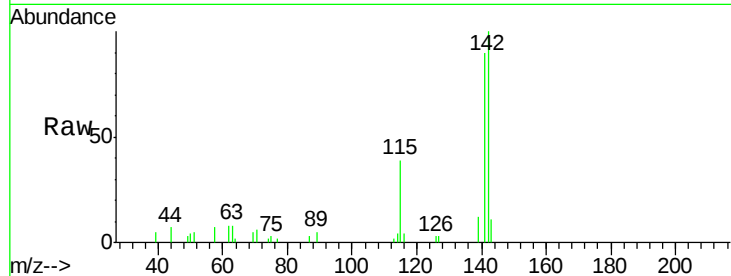




#37  
2-Methylnaphthalene  
Concen: 1.75 ng  
RT: 12.82 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

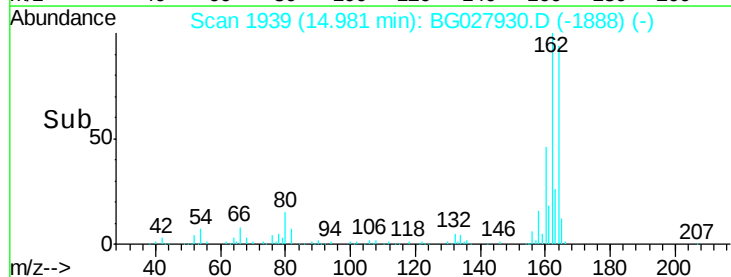
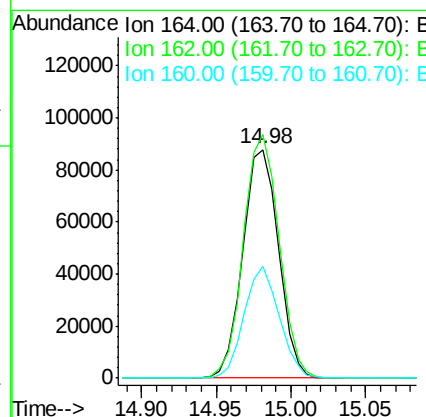
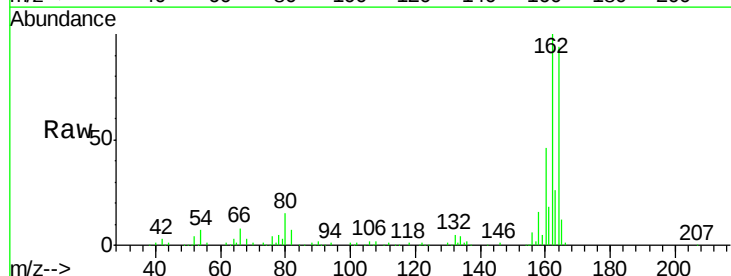
Instrument :  
BNA\_G  
ClientSampleId :

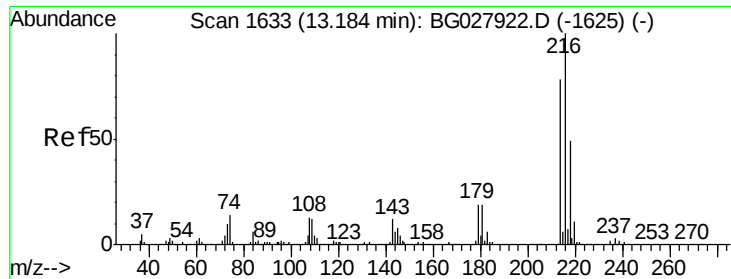
Tot Ion:142 Resp: 13728  
Ion Ratio Lower Upper  
142 100  
141 89.7 70.4 105.6  
115 39.2 35.5 53.3



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.98 min Scan# 1939  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:164 Resp: 145863  
Ion Ratio Lower Upper  
164 100  
162 106.6 85.1 127.7  
160 48.7 34.7 52.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 1.74 ng

RT: 13.18 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BG027930.D

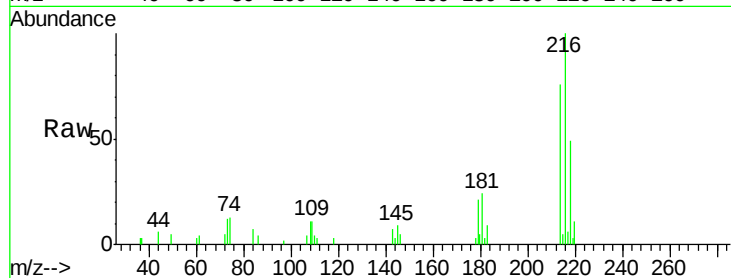
Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 216   | Resp: | 10050 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 81.6  | 64.4  | 96.6  |
| 179      | 19.3  | 17.4  | 26.0  |
| 108      | 14.1  | 15.6  | 23.4  |

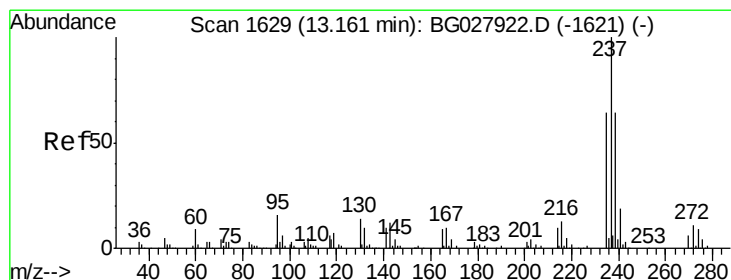
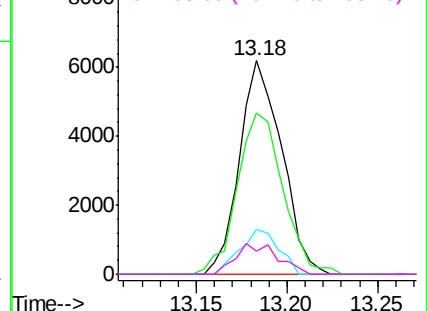
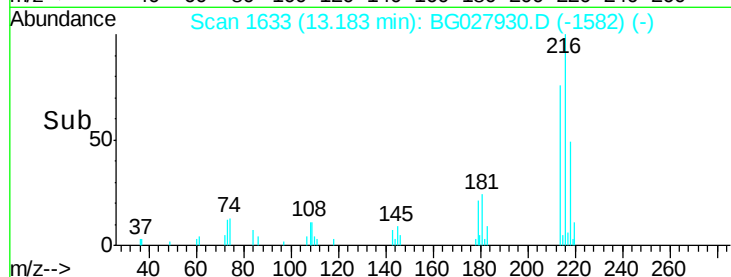


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 0.88 ng

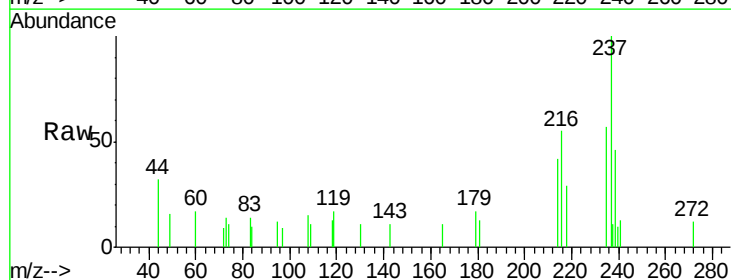
RT: 13.17 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

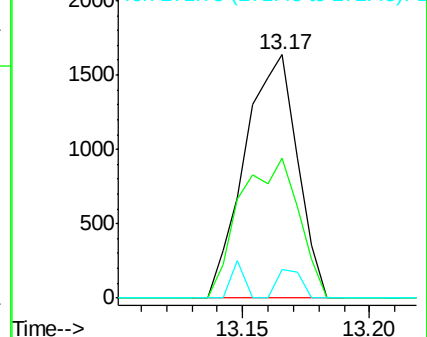
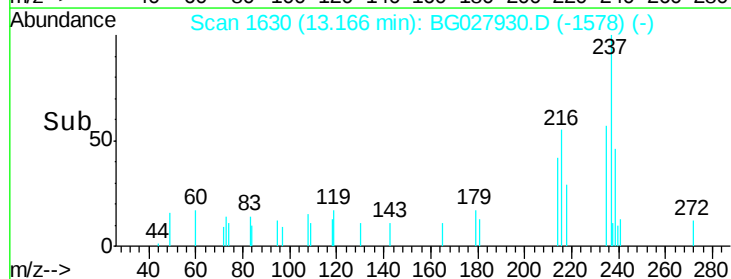
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 2367  |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 57.2  | 39.4  | 79.4  |
| 272      | 11.9  | 0.0   | 32.0  |

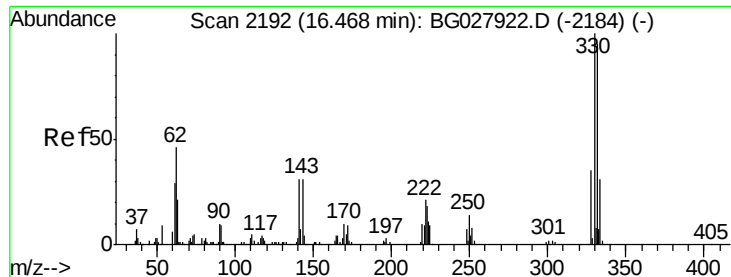


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

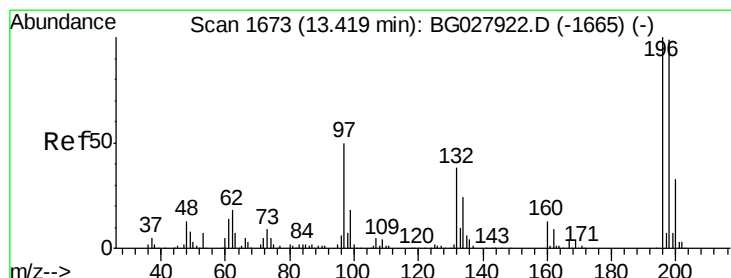
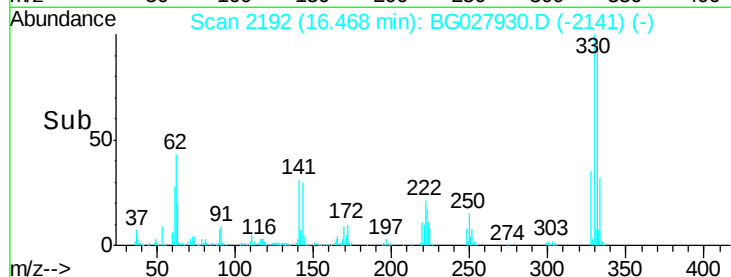
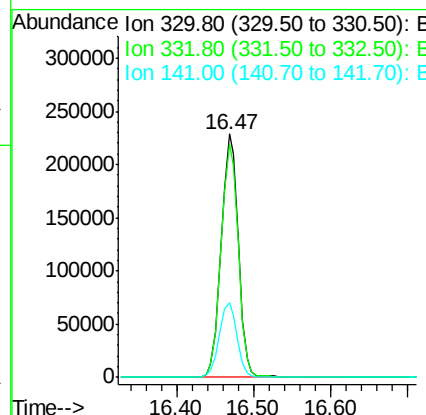
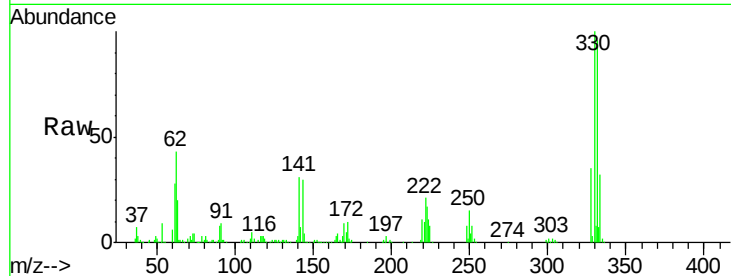




#41  
 2,4,6-Tribromophenol  
 Concen: 161.48 ng  
 RT: 16.47 min Scan# 2192  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

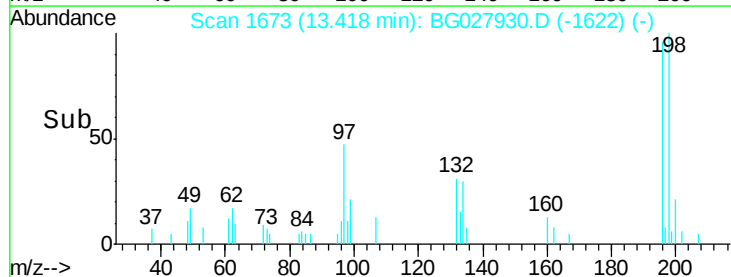
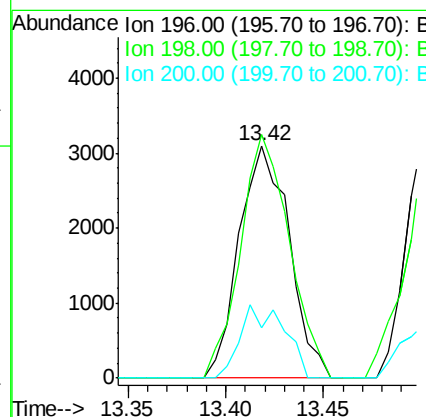
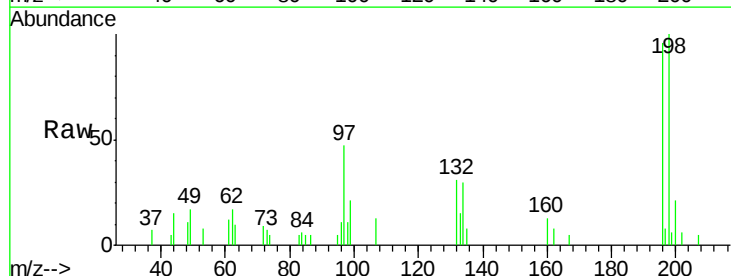
Instrument :  
 BNA\_G  
 ClientSampleId :

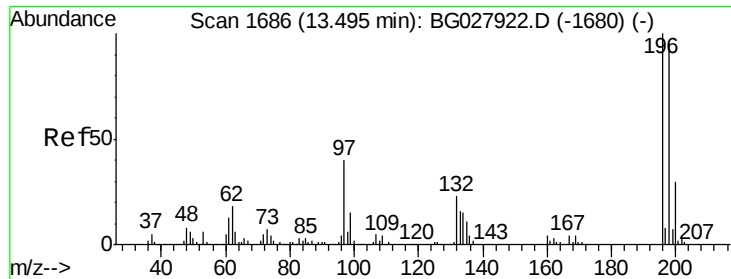
Tot Ion:330 Resp: 349067  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.3 115.9  
 141 31.7 32.1 48.1#



#42  
 2,4,6-Trichlorophenol  
 Concen: 1.58 ng  
 RT: 13.42 min Scan# 1673  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:196 Resp: 5508  
 Ion Ratio Lower Upper  
 196 100  
 198 104.7 81.4 122.2  
 200 21.9 27.0 40.6#

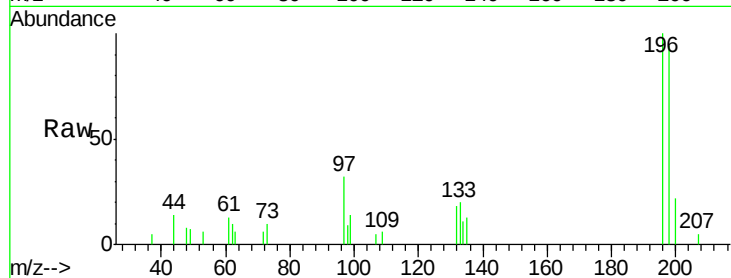




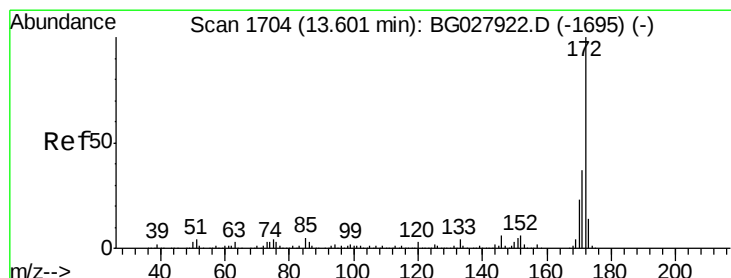
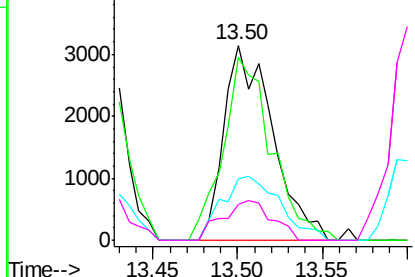
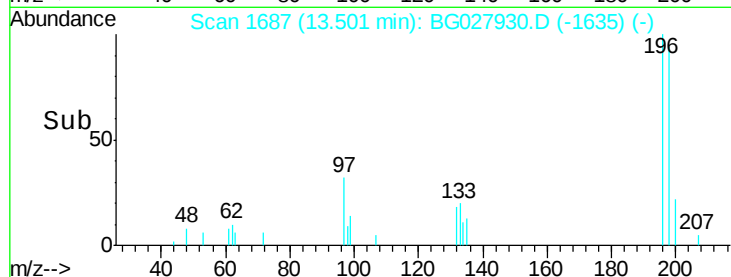
#43  
2,4,5-Trichlorophenol  
Concen: 1.70 ng  
RT: 13.50 min Scan# 1687  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:196 Resp: 6278  
Ion Ratio Lower Upper  
196 100  
198 93.9 79.9 119.9  
97 31.8 45.4 68.0#  
132 18.5 20.7 31.1#

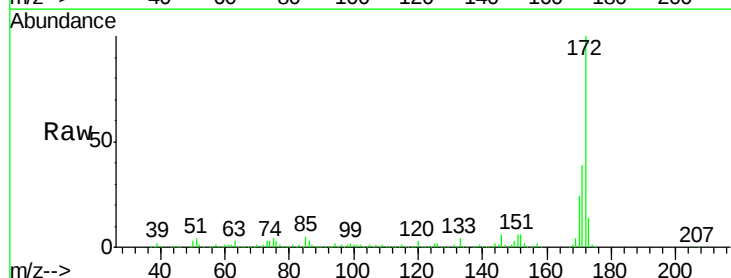


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BGC  
Ion 132.00 (131.70 to 132.70): E

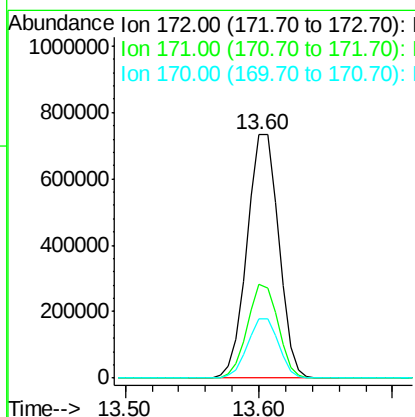
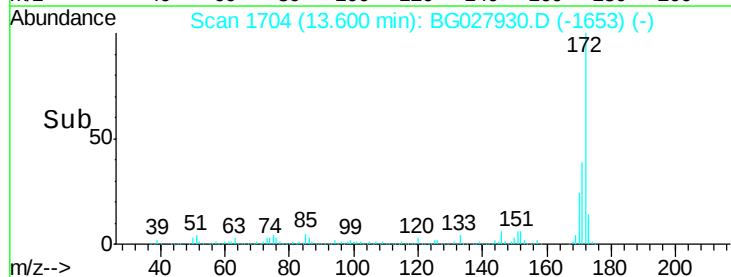


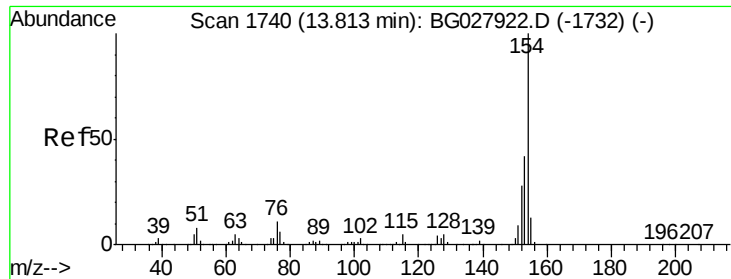
#44  
2-Fluorobiphenyl  
Concen: 108.31 ng  
RT: 13.60 min Scan# 1704  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:172 Resp: 1197920  
Ion Ratio Lower Upper  
172 100  
171 38.5 32.2 48.2  
170 24.3 21.8 32.6



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

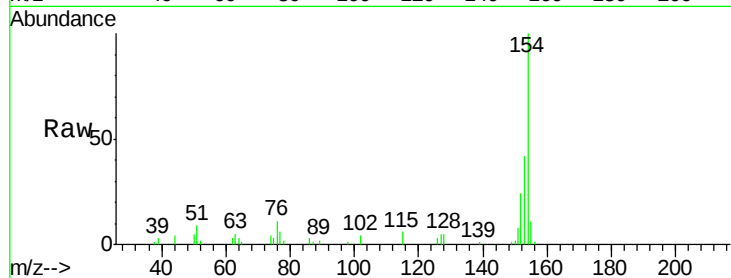




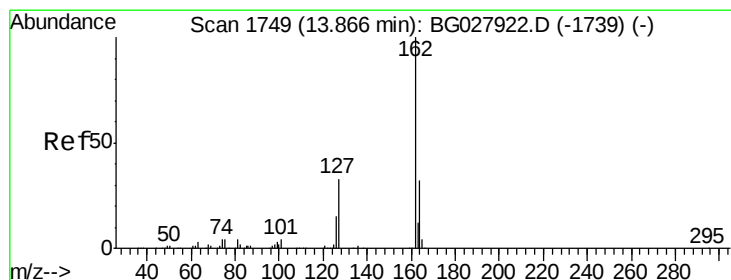
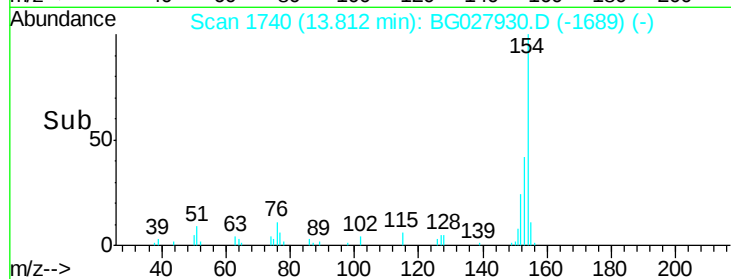
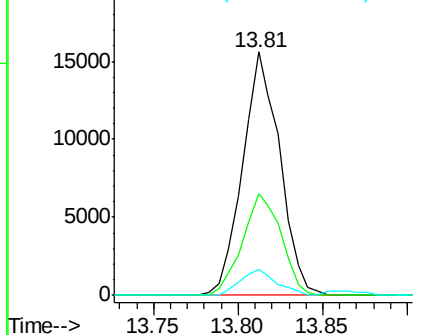
#45  
 1,1'-Biphenyl  
 Concen: 1.91 ng  
 RT: 13.81 min Scan# 1740  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Instrument :  
 BNA\_G  
 ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:154 | Resp: | 23883     |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 41.7  | 23.0 63.0 |
| 76          | 10.7  | 0.0 33.5  |

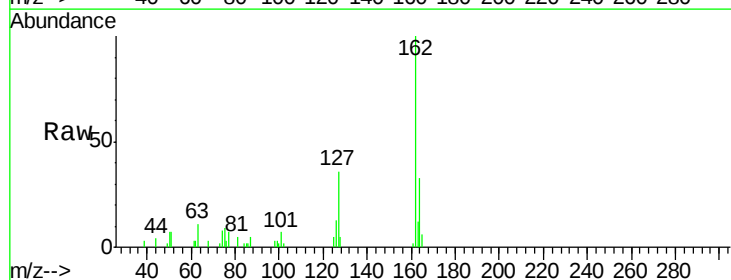


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BGC

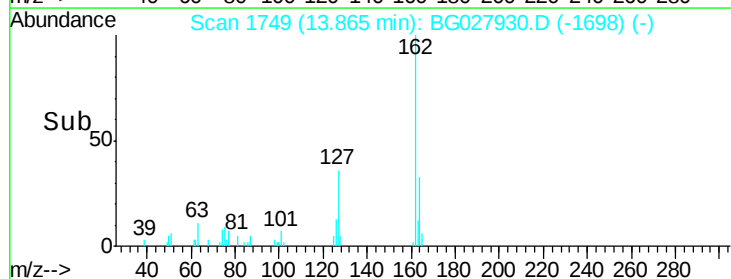
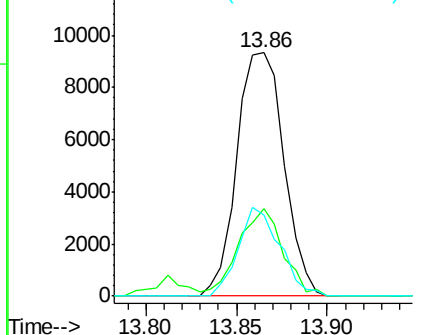


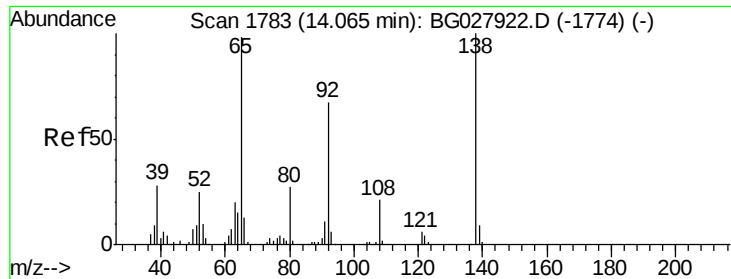
#46  
 2-Chloronaphthalene  
 Concen: 1.84 ng  
 RT: 13.86 min Scan# 1749  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:162 | Resp: | 16838     |
| Ion Ratio   | Lower | Upper     |
| 162         | 100   |           |
| 127         | 35.9  | 32.2 48.4 |
| 164         | 33.3  | 27.3 40.9 |



Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 1.67 ng

RT: 14.06 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

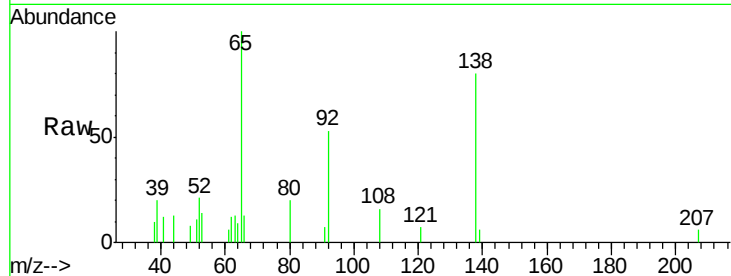
Tot Ion: 65 Resp: 4541

Ion Ratio Lower Upper

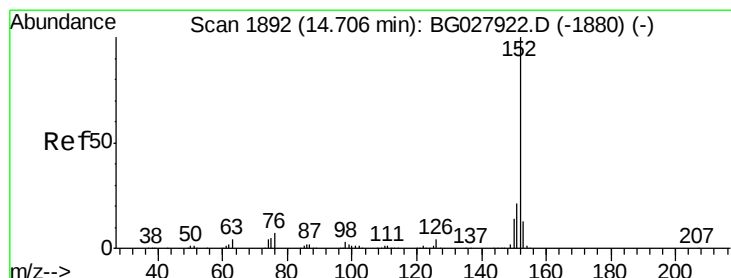
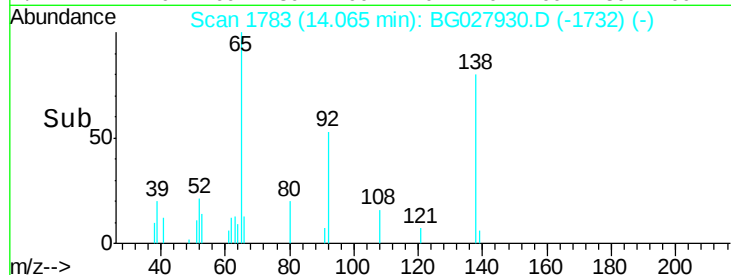
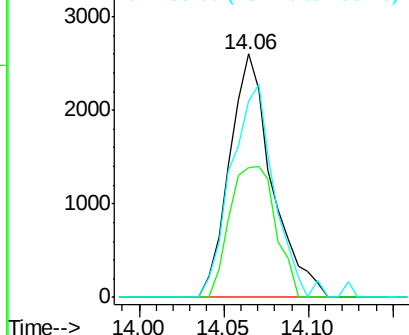
65 100

92 53.1 49.0 73.4

138 80.5 58.6 87.8



Abundance Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 1.75 ng

RT: 14.70 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

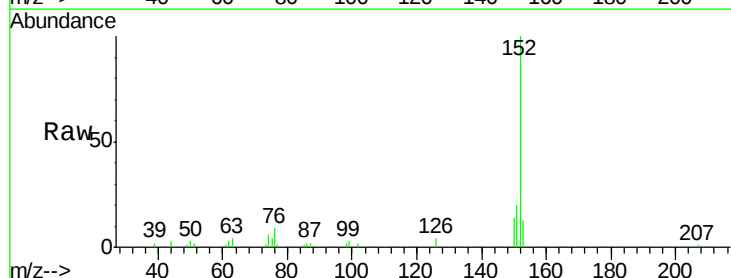
Tgt Ion:152 Resp: 25352

Ion Ratio Lower Upper

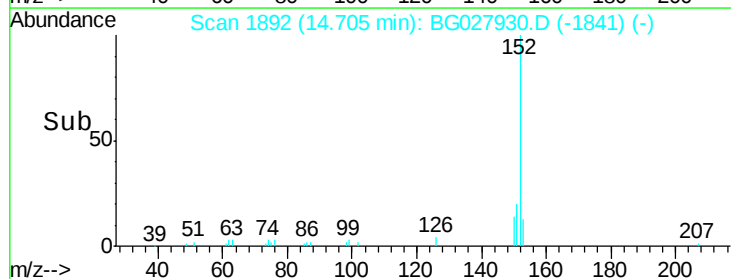
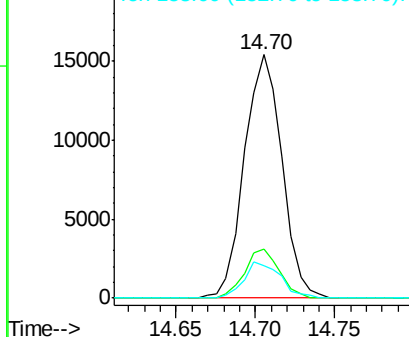
152 100

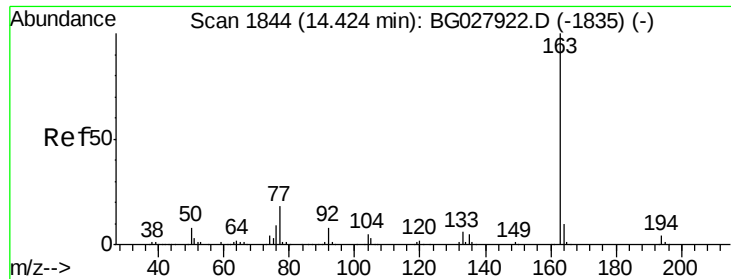
151 20.0 18.2 27.2

153 13.5 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): BGC  
Ion 151.00 (150.70 to 151.70): BGC  
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 1.78 ng

RT: 14.42 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

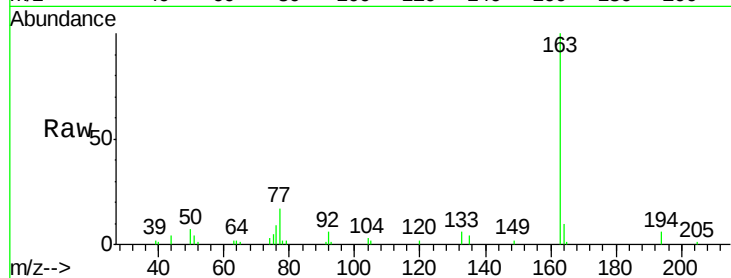
Tot Ion:163 Resp: 21636

Ion Ratio Lower Upper

163 100

194 6.1 3.8 5.6#

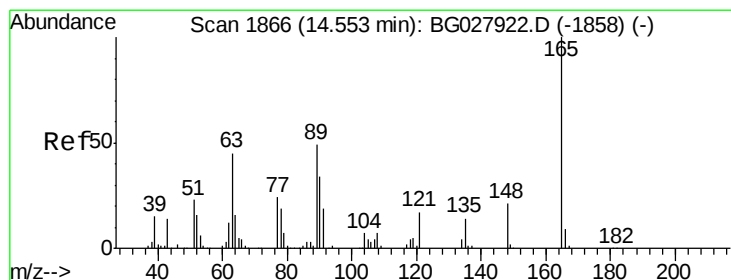
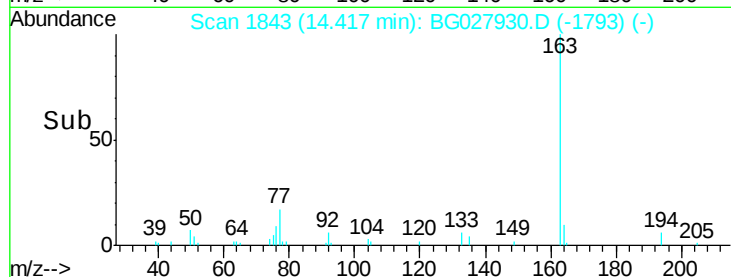
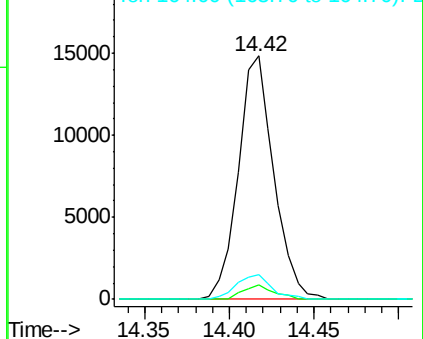
164 10.1 9.3 13.9



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: 1.50 ng

RT: 14.54 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

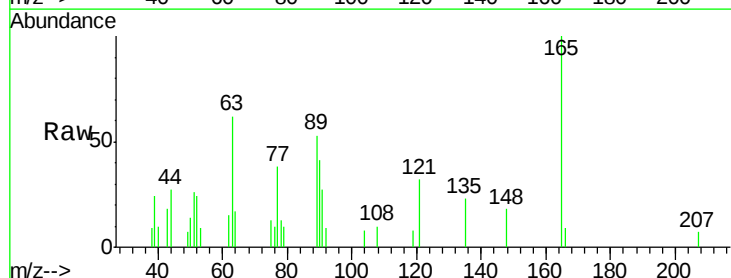
Tgt Ion:165 Resp: 3895

Ion Ratio Lower Upper

165 100

63 61.6 63.9 95.9#

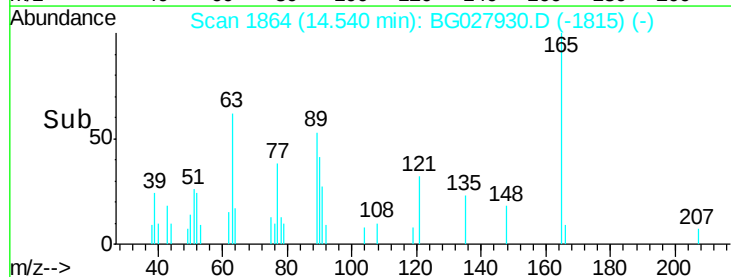
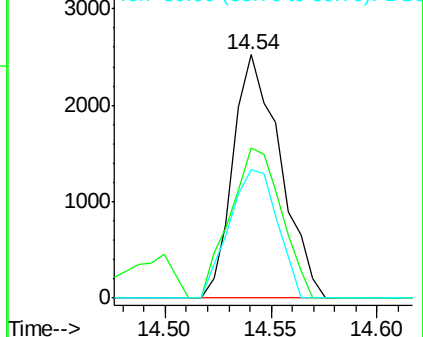
89 52.6 58.6 88.0#

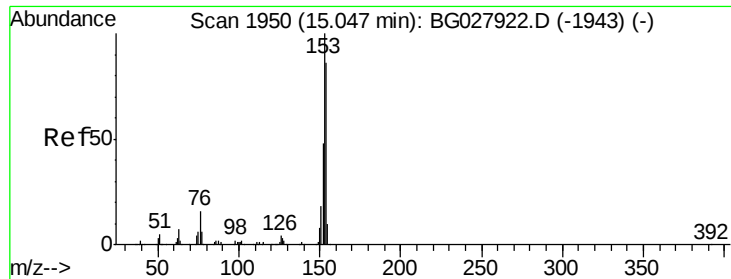


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 1.87 ng

RT: 15.05 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

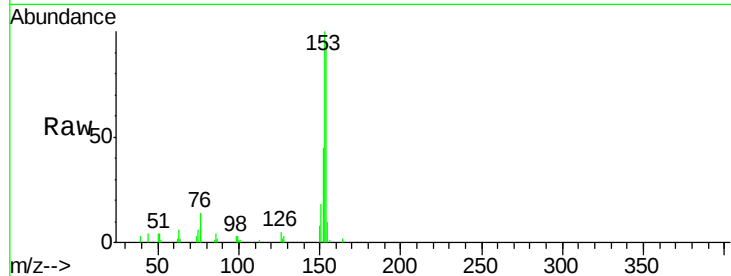
Tot Ion:154 Resp: 17011

Ion Ratio Lower Upper

154 100

153 105.3 87.8 131.6

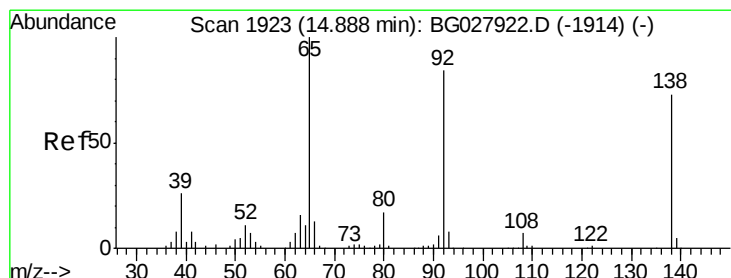
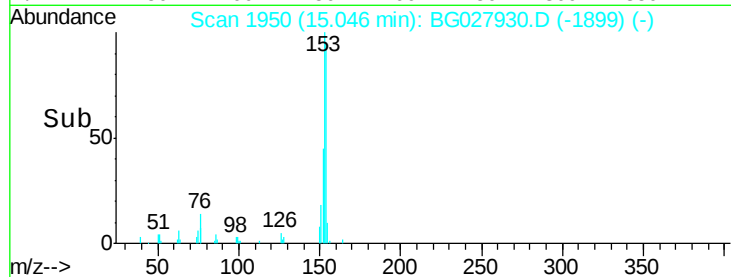
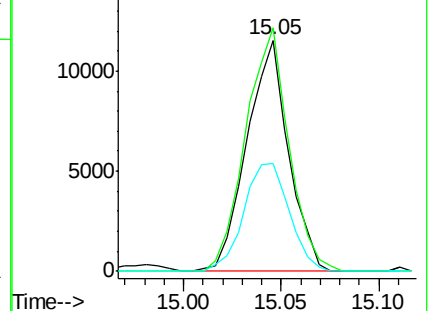
152 46.9 42.2 63.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 1.32 ng

RT: 14.89 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

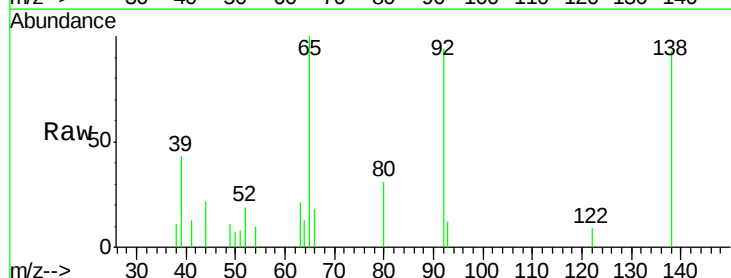
Tgt Ion:138 Resp: 3249

Ion Ratio Lower Upper

138 100

108 0.0 10.9 16.3#

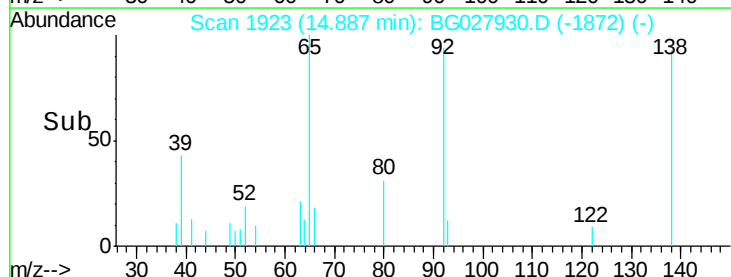
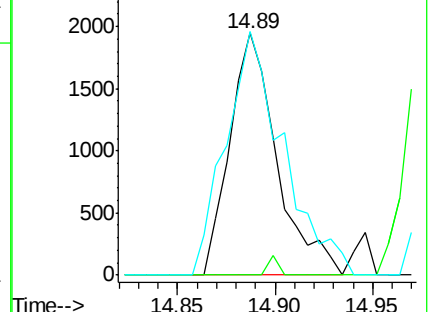
92 100.7 115.3 172.9#

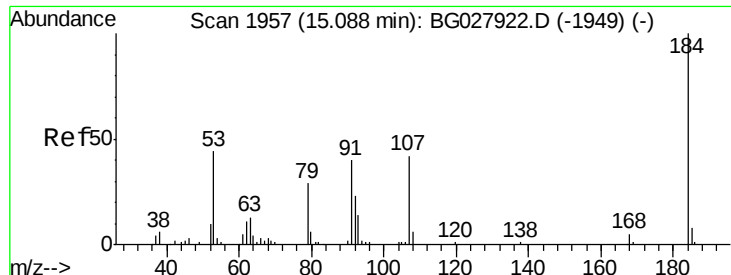


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

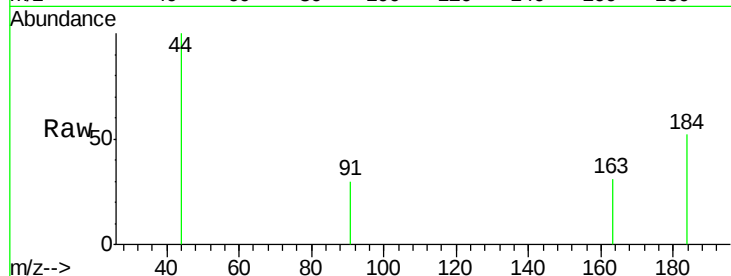




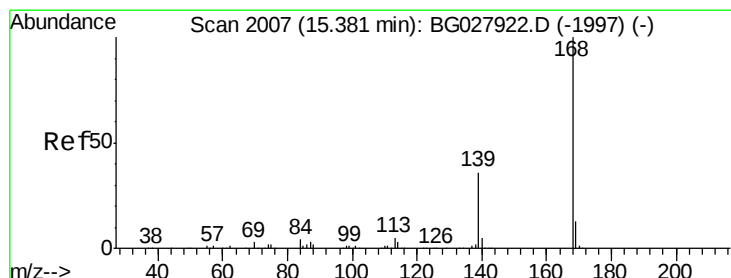
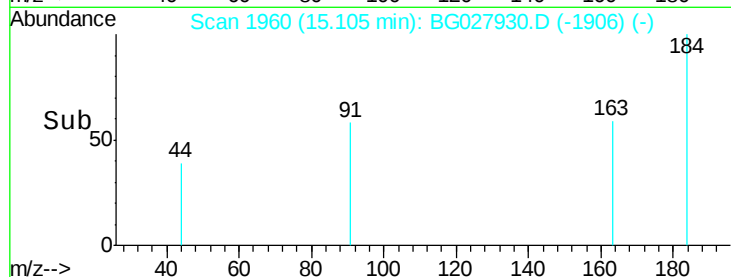
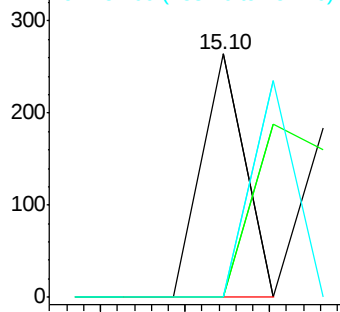
#53  
2,4-Dinitrophenol  
Concen: 7.15 ng  
RT: 15.10 min Scan# 1960  
Delta R.T. 0.02 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:184 Resp: 93  
Ion Ratio Lower Upper  
184 100  
63 0.0 52.7 79.1#  
154 0.0 57.3 85.9#

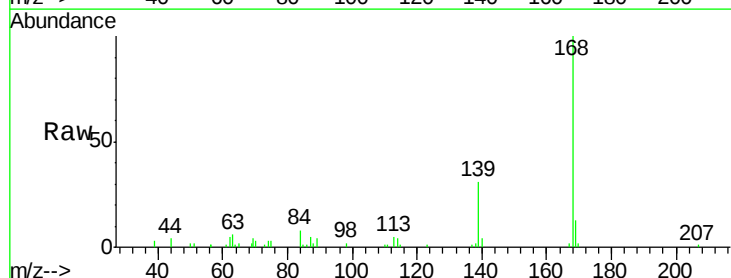


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E

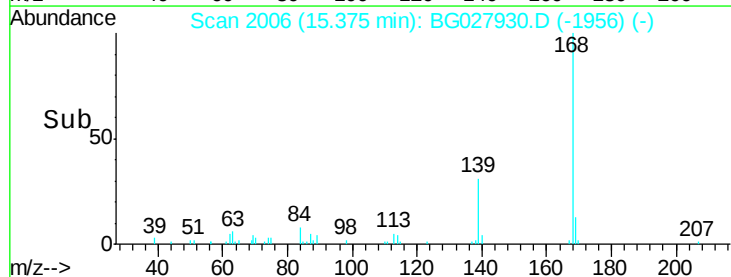
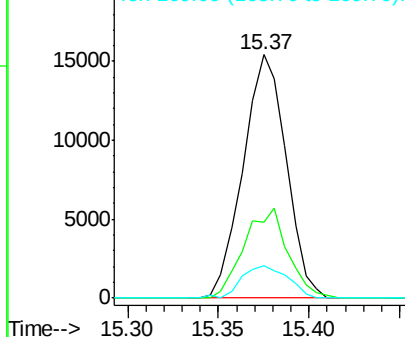


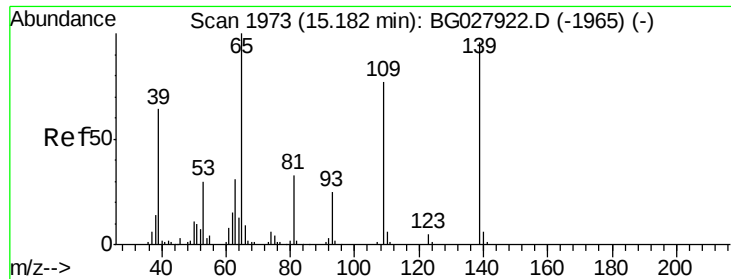
#54  
Dibenzofuran  
Concen: 1.82 ng  
RT: 15.37 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:168 Resp: 25397  
Ion Ratio Lower Upper  
168 100  
139 31.4 35.3 52.9#  
169 13.1 11.5 17.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

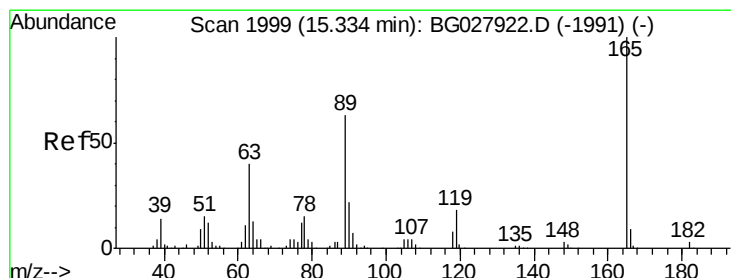
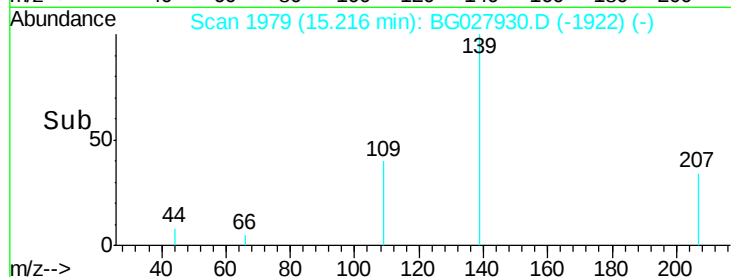
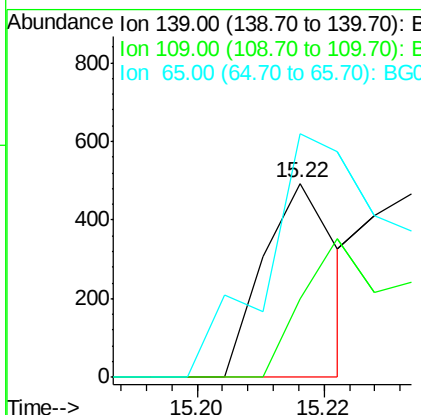
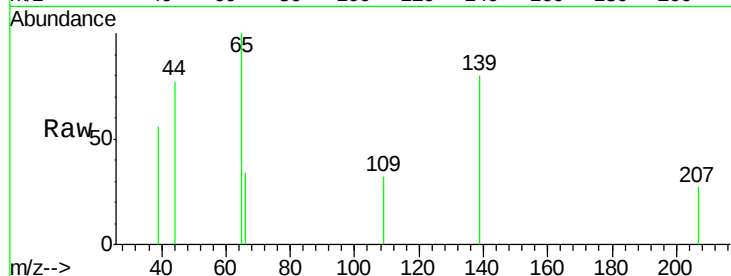




#55  
4-Nitrophenol  
Concen: 4.96 ng  
RT: 15.22 min Scan# 1979  
Delta R.T. 0.04 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

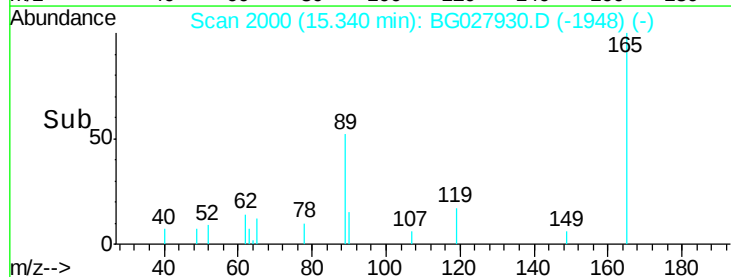
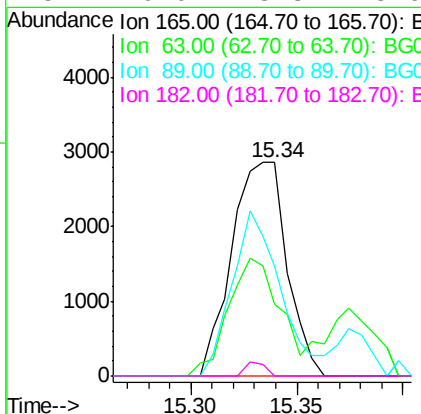
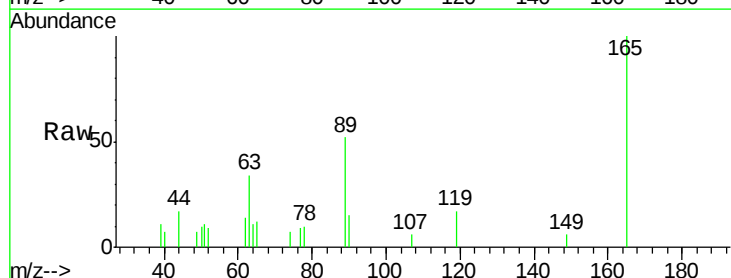
Instrument :  
BNA\_G  
ClientSampleId :

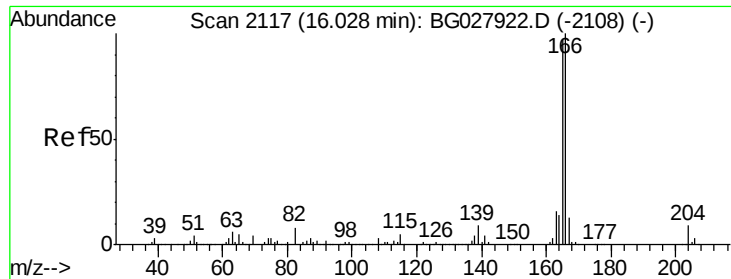
Tot Ion:139 Resp: 397  
Ion Ratio Lower Upper  
139 100  
109 40.3 101.2 141.2#  
65 125.3 135.3 175.3#



#56  
2,4-Dinitrotoluene  
Concen: 1.44 ng  
RT: 15.34 min Scan# 2000  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:165 Resp: 5168  
Ion Ratio Lower Upper  
165 100  
63 33.6 44.0 66.0#  
89 51.7 67.3 100.9#  
182 0.0 3.8 5.6#

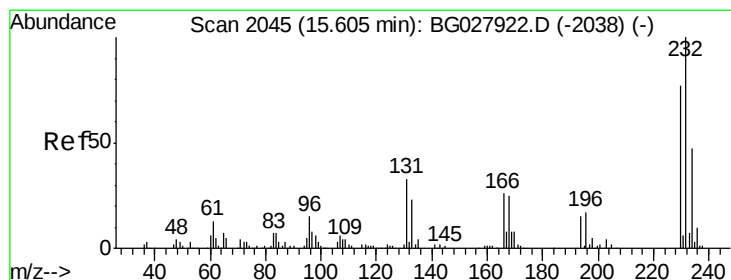
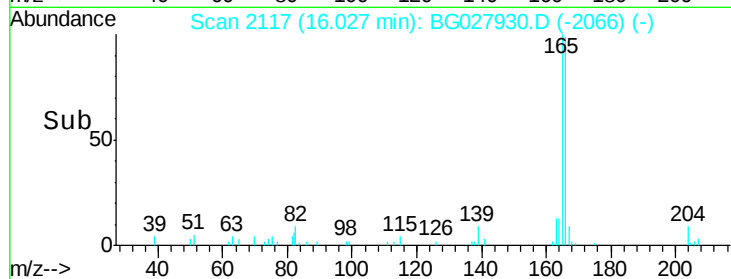
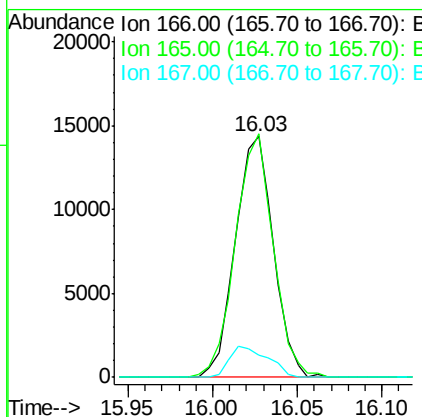
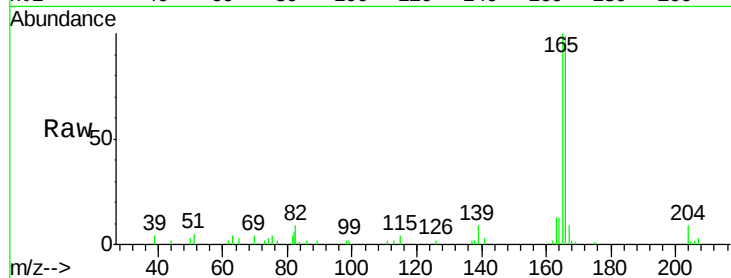




#57  
 Fluorene  
 Concen: 1.81 ng  
 RT: 16.03 min Scan# 2117  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

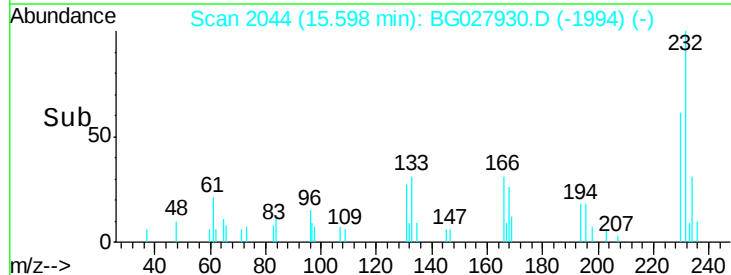
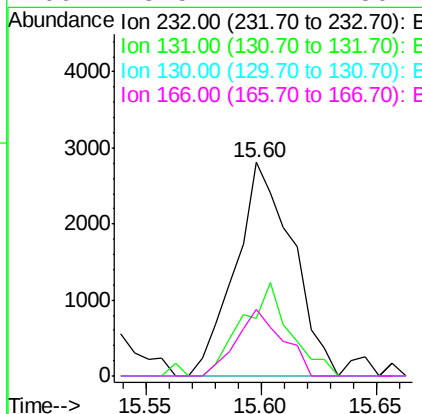
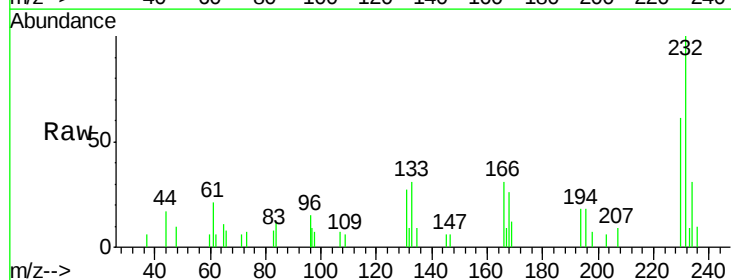
Instrument :  
 BNA\_G  
 ClientSampleId :

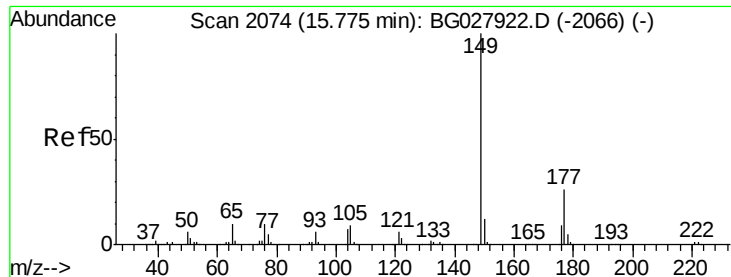
Tot Ion:166 Resp: 22494  
 Ion Ratio Lower Upper  
 166 100  
 165 101.2 78.6 117.8  
 167 9.5 11.6 17.4#



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 1.48 ng  
 RT: 15.60 min Scan# 2044  
 Delta R.T. -0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:232 Resp: 4828  
 Ion Ratio Lower Upper  
 232 100  
 131 36.6 34.9 52.3  
 130 0.0 2.3 3.5#  
 166 25.5 24.2 36.4

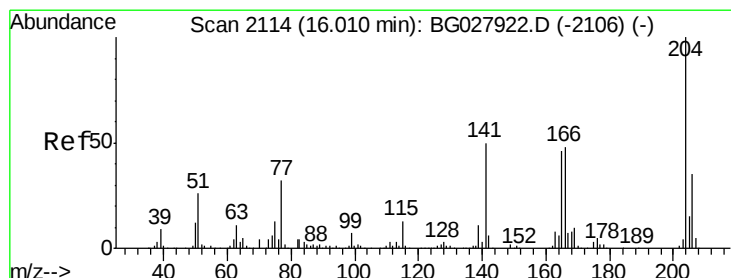
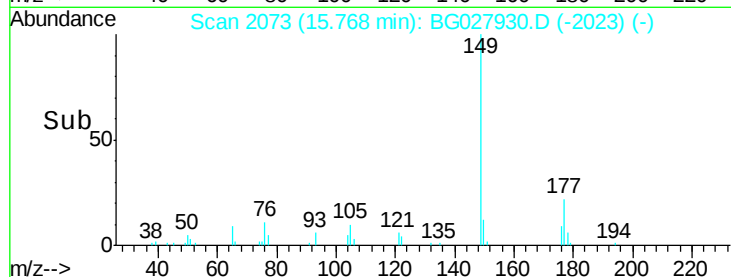
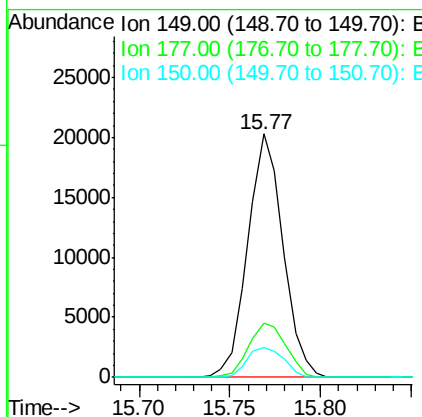
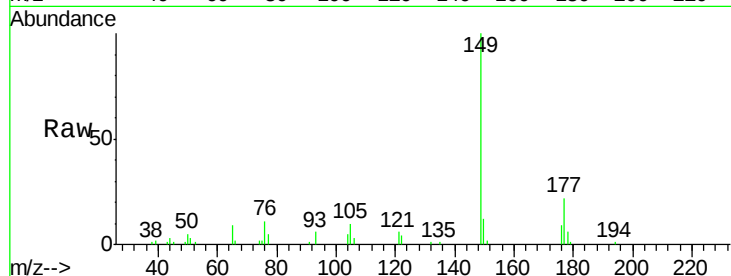




#59  
Diethylphthalate  
Concen: 2.32 ng  
RT: 15.77 min Scan# 2073  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

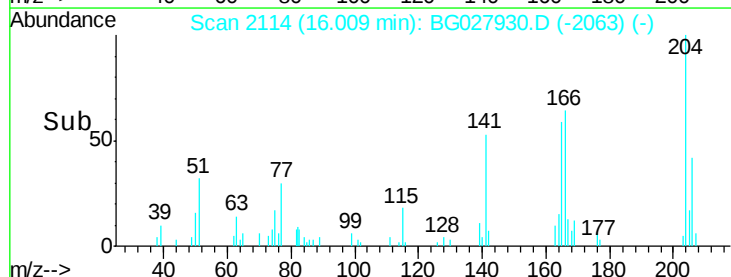
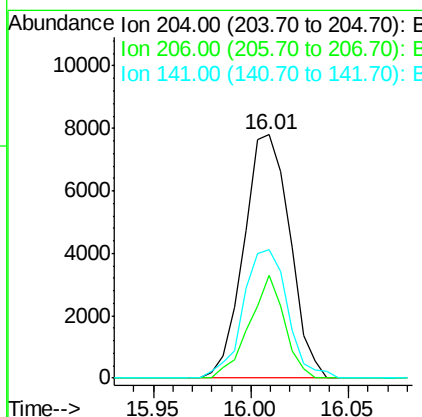
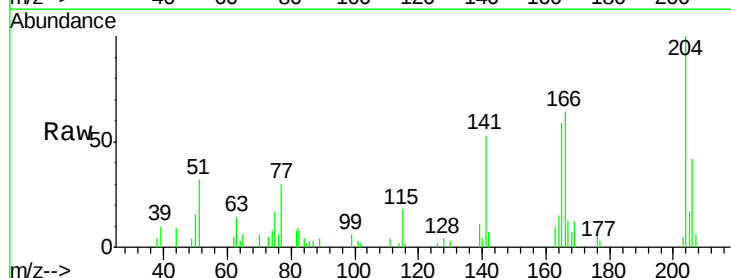
Instrument :  
BNA\_G  
ClientSampled :

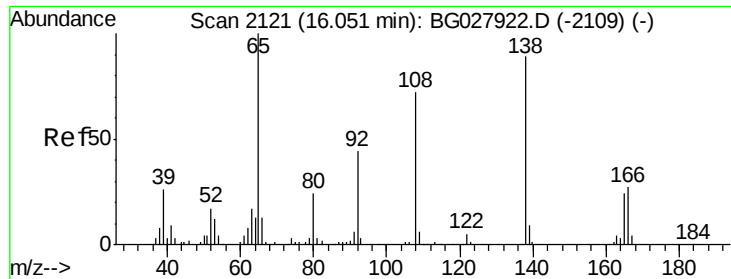
Tot Ion:149 Resp: 27448  
Ion Ratio Lower Upper  
149 100  
177 22.2 20.1 30.1  
150 12.4 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 1.85 ng  
RT: 16.01 min Scan# 2114  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:204 Resp: 12704  
Ion Ratio Lower Upper  
204 100  
206 42.1 30.1 45.1  
141 52.9 50.6 76.0

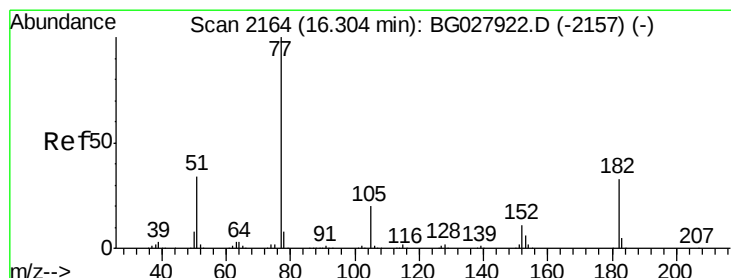
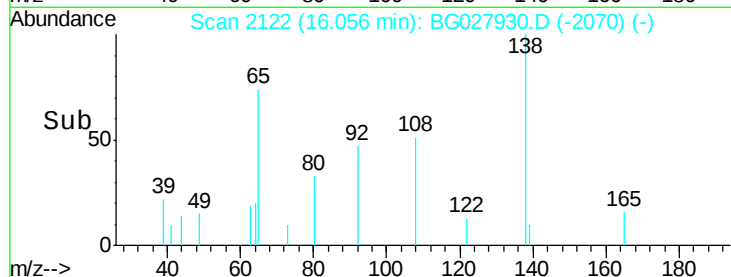
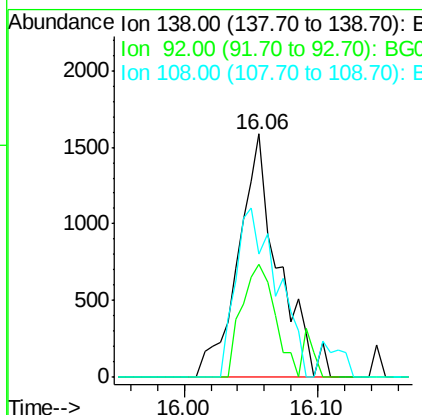
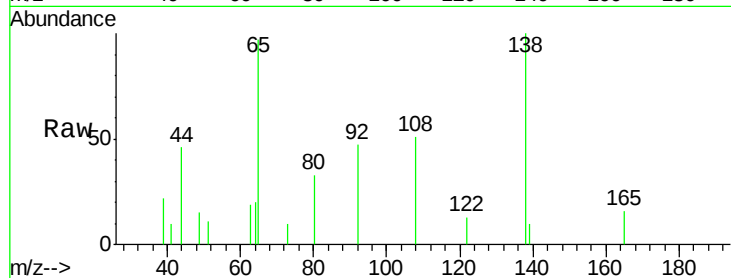




#61  
4-Nitroaniline  
Concen: 1.24 ng  
RT: 16.06 min Scan# 2122  
Delta R.T. 0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

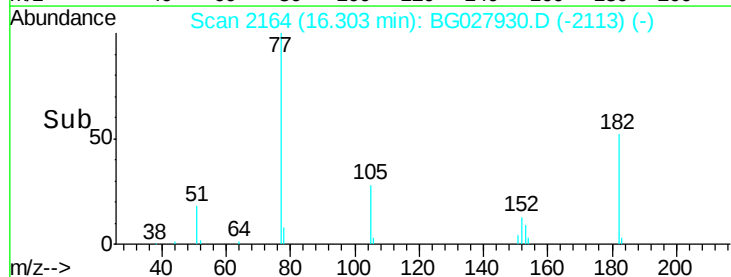
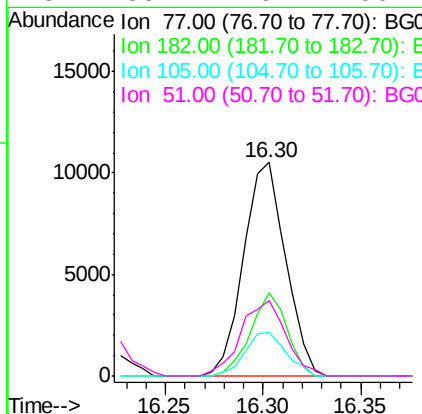
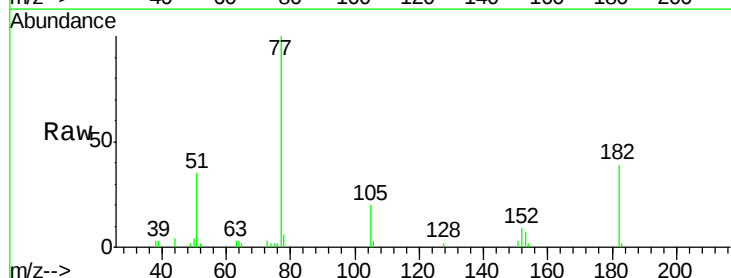
Instrument :  
BNA\_G  
ClientSampled :

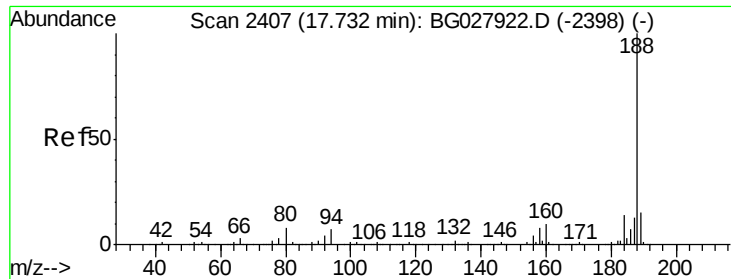
Tot Ion:138 Resp: 3281  
Ion Ratio Lower Upper  
138 100  
92 46.6 44.2 84.2  
108 50.9 104.8 144.8#



#62  
Azobenzene  
Concen: 1.70 ng  
RT: 16.30 min Scan# 2164  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion: 77 Resp: 15707  
Ion Ratio Lower Upper  
77 100  
182 38.7 4.7 44.7  
105 20.4 0.0 36.3  
51 35.4 16.4 56.4

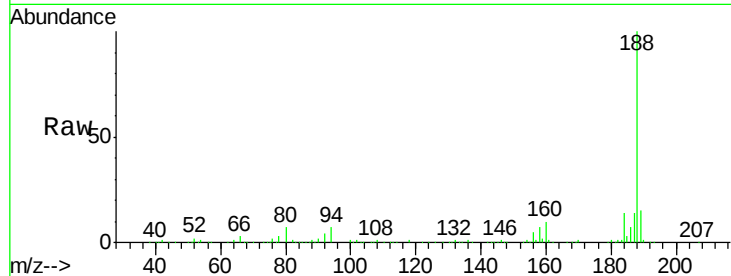




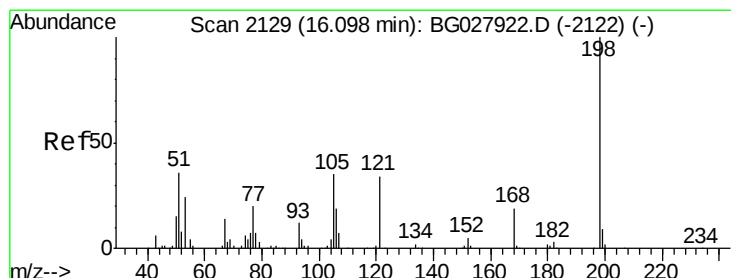
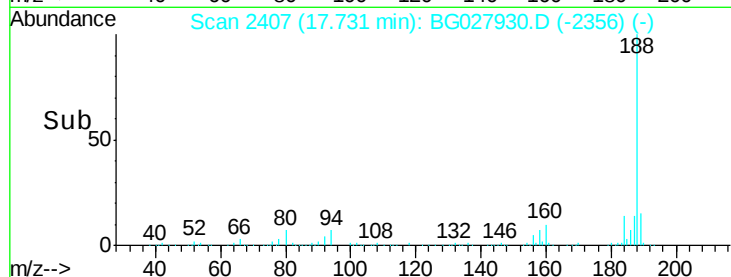
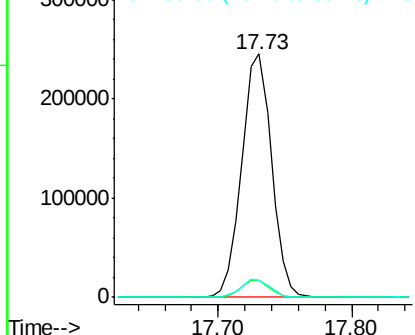
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.73 min Scan# 2407  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 378809  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.8 8.8  
80 7.0 7.5 11.3#

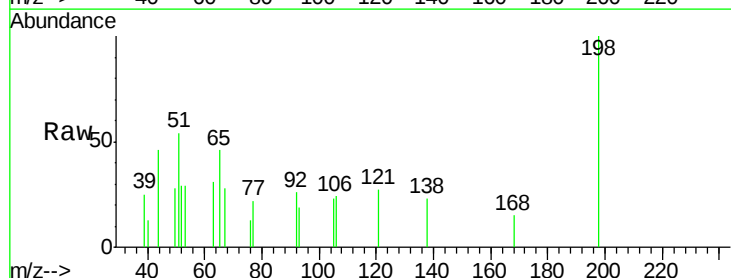


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

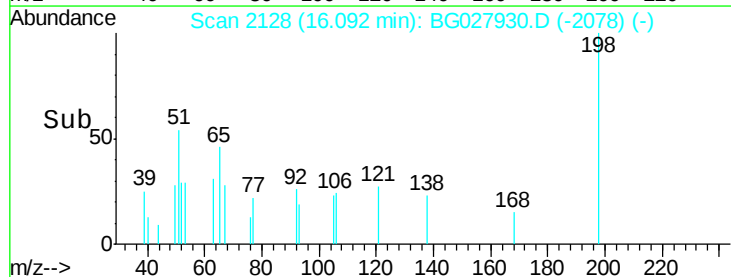
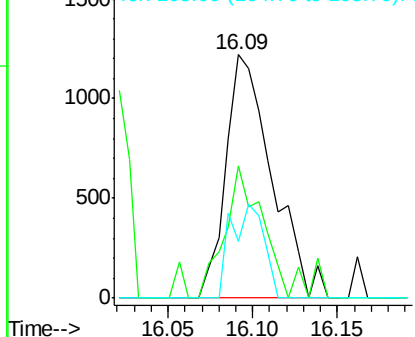


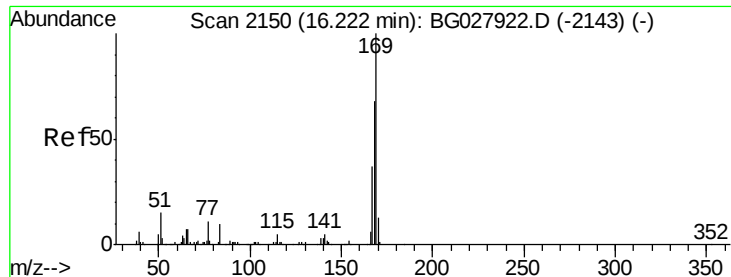
#64  
4,6-Dinitro-2-methylphenol  
Concen: 0.91 ng  
RT: 16.09 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:198 Resp: 2309  
Ion Ratio Lower Upper  
198 100  
51 54.3 22.6 62.6  
105 23.0 14.4 54.4



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

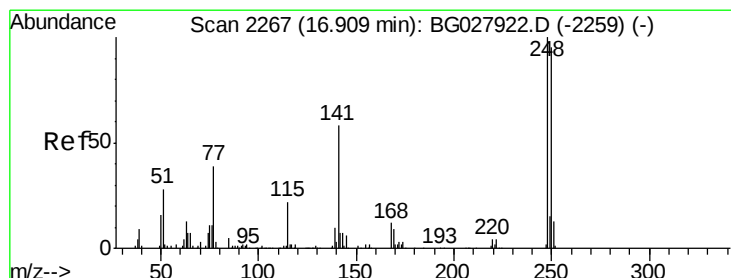
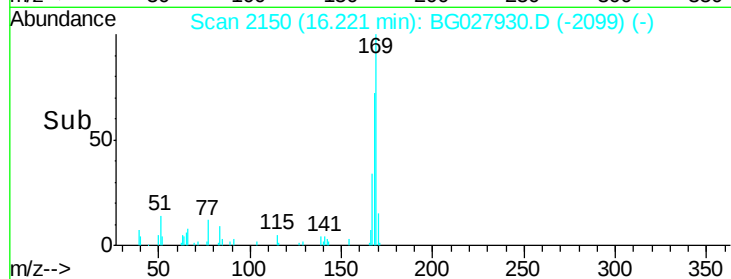
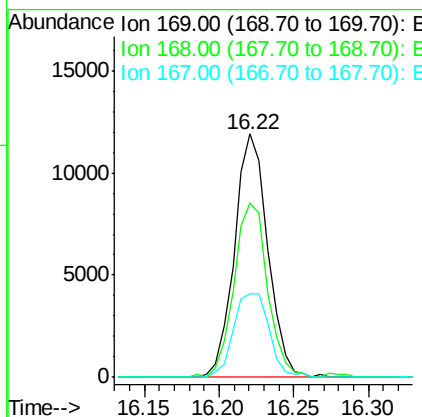
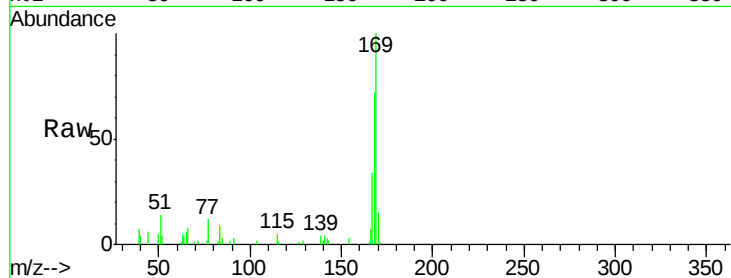




#65  
n-Nitrosodiphenylamine  
Concen: 1.67 ng  
RT: 16.22 min Scan# 2150  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

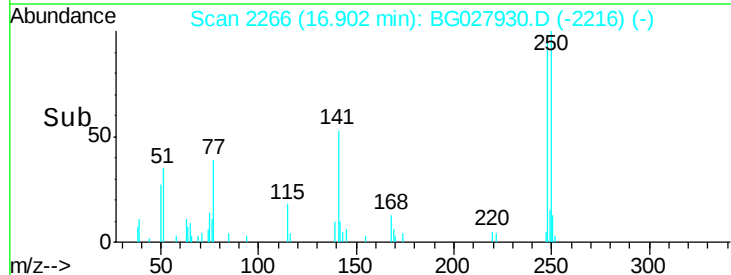
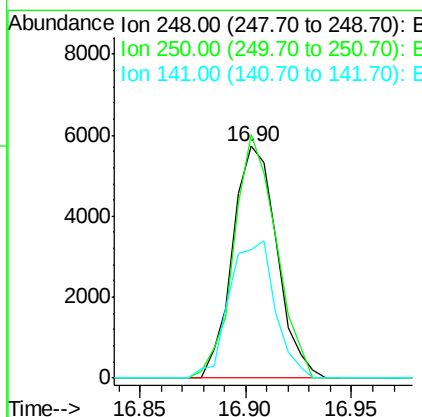
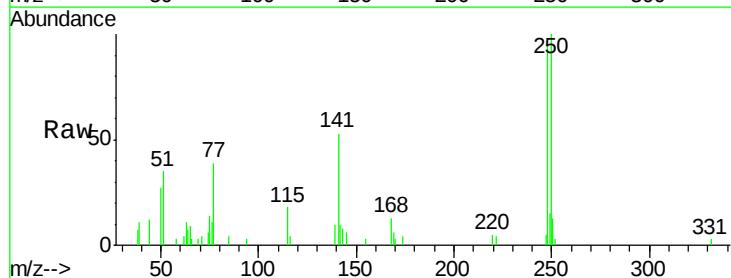
Instrument :  
BNA\_G  
ClientSampleId :

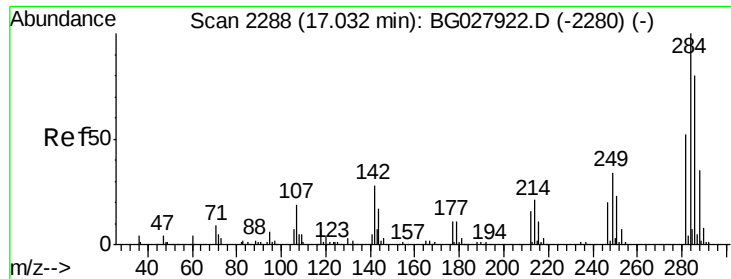
Tot Ion:169 Resp: 18420  
Ion Ratio Lower Upper  
169 100  
168 71.5 55.7 83.5  
167 34.5 29.8 44.6



#66  
4-Bromophenyl-phenylether  
Concen: 1.76 ng  
RT: 16.90 min Scan# 2266  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:248 Resp: 8303  
Ion Ratio Lower Upper  
248 100  
250 105.0 75.0 112.6  
141 55.3 55.2 82.8

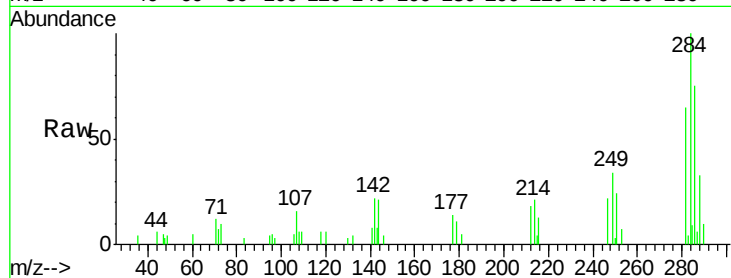




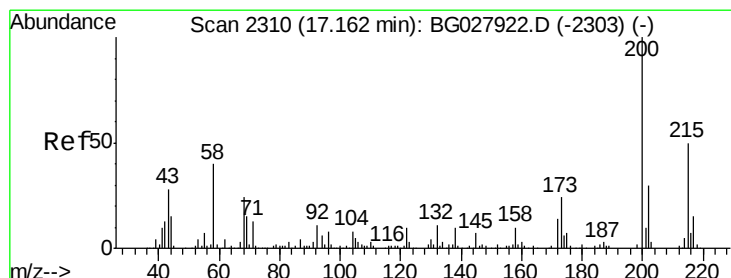
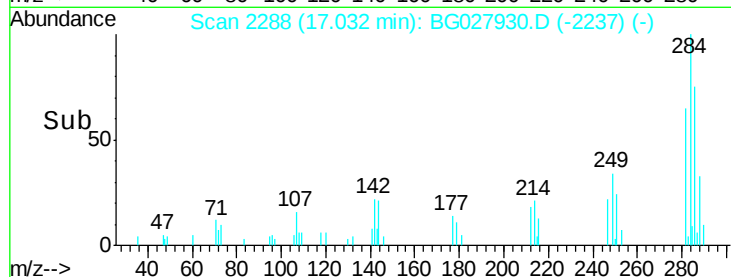
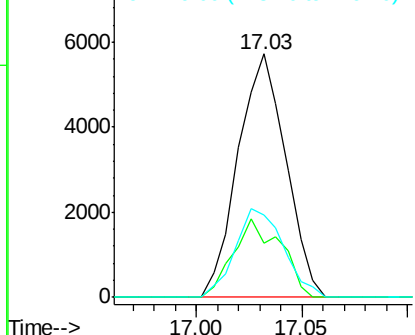
#67  
Hexachlorobenzene  
Concen: 1.74 ng  
RT: 17.03 min Scan# 2288  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 8962  
Ion Ratio Lower Upper  
284 100  
142 22.4 29.9 44.9#  
249 33.6 29.2 43.8

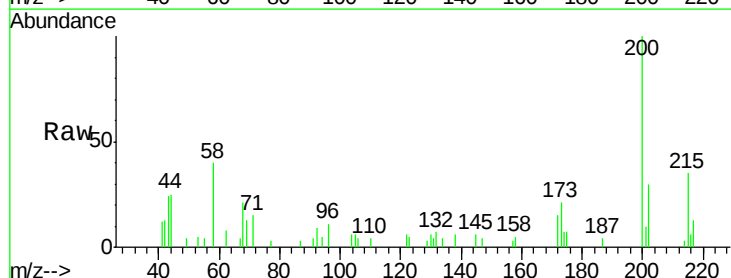


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

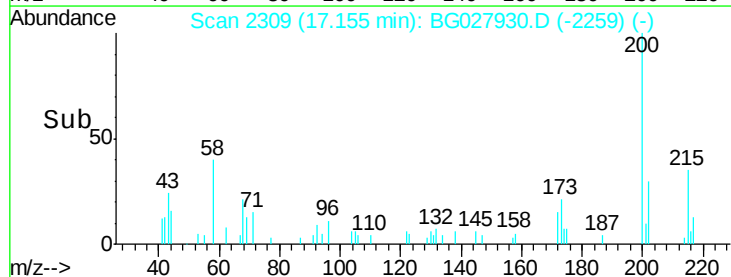
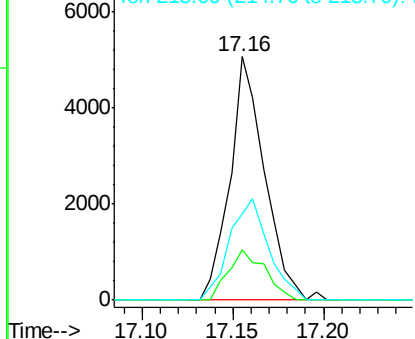


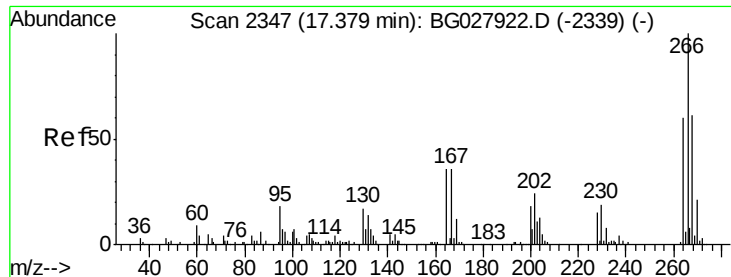
#68  
Atrazine  
Concen: 1.59 ng  
RT: 17.16 min Scan# 2309  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:200 Resp: 6758  
Ion Ratio Lower Upper  
200 100  
173 20.8 3.0 43.0  
215 35.4 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

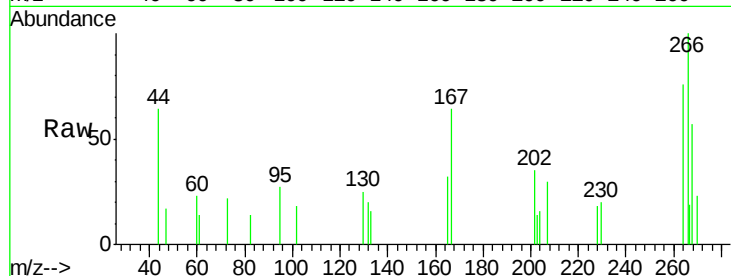




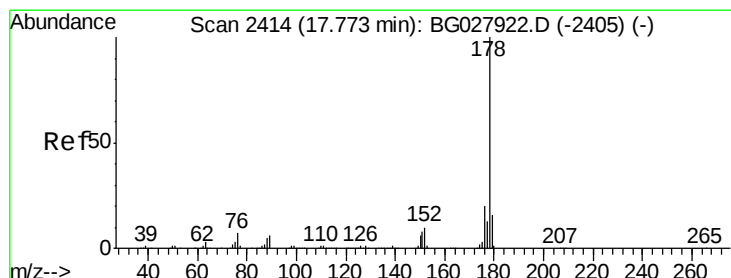
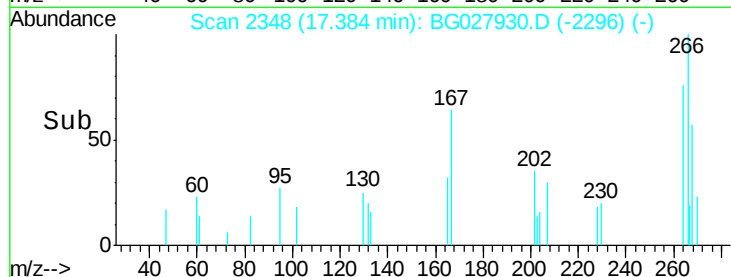
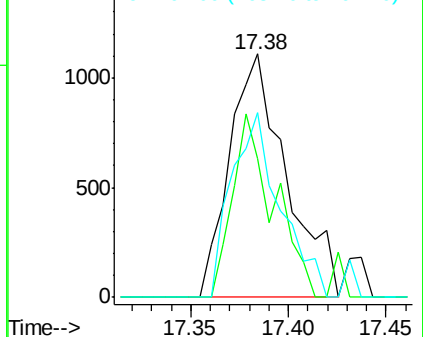
#69  
 Pentachlorophenol  
 Concen: 6.84 ng  
 RT: 17.38 min Scan# 2348  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:266 Resp: 2238  
 Ion Ratio Lower Upper  
 266 100  
 268 57.1 48.6 72.8  
 264 75.7 50.1 75.1#

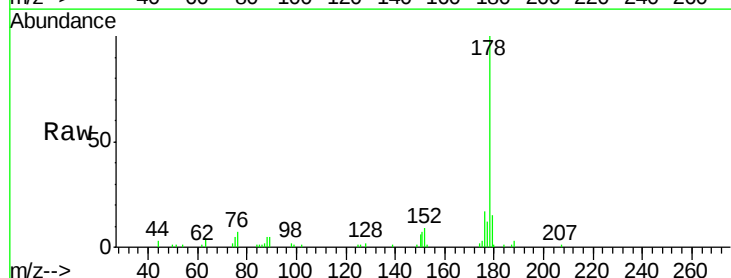


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

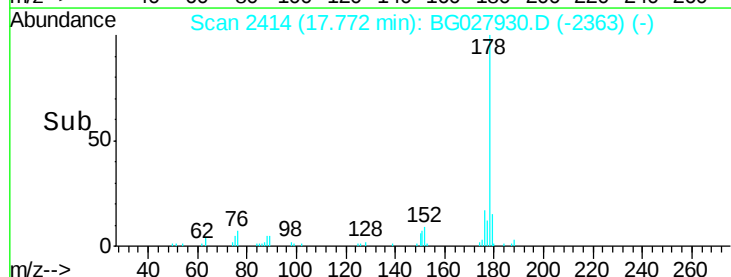
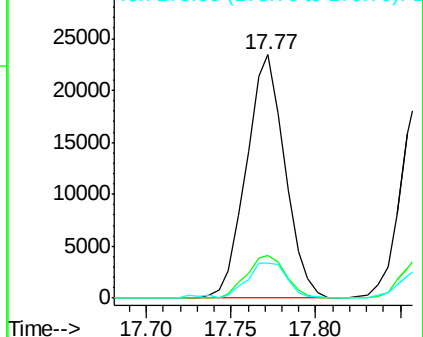


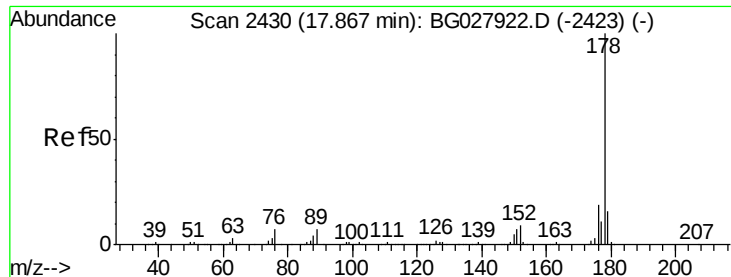
#70  
 Phenanthrene  
 Concen: 1.88 ng  
 RT: 17.77 min Scan# 2414  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:178 Resp: 37166  
 Ion Ratio Lower Upper  
 178 100  
 176 17.4 17.7 26.5#  
 179 14.6 15.0 22.6#



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





#71

Anthracene

Concen: 1.69 ng

RT: 17.86 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

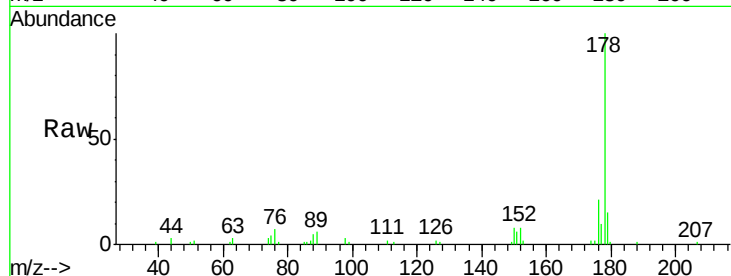
Tot Ion:178 Resp: 33414

Ion Ratio Lower Upper

178 100

176 20.6 16.4 24.6

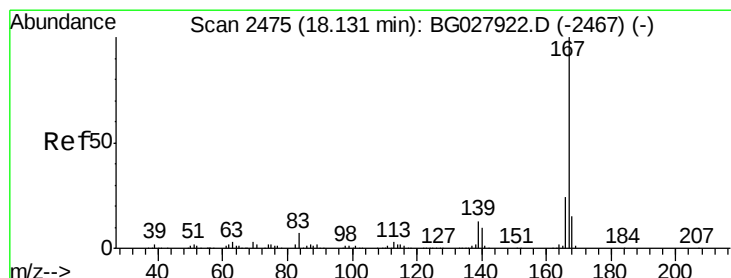
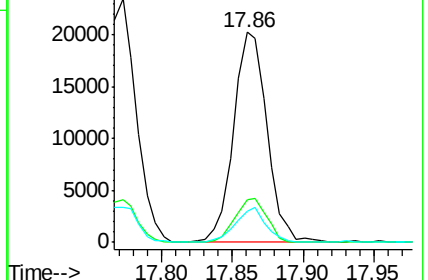
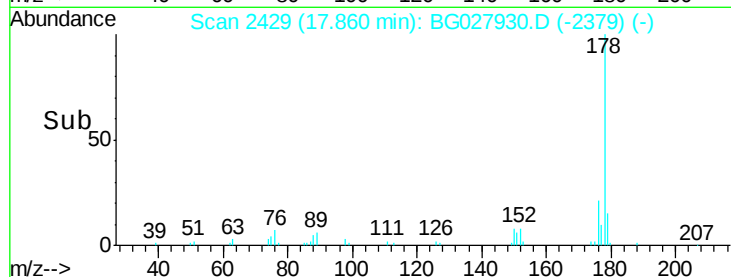
179 15.0 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 1.61 ng

RT: 18.14 min Scan# 2476

Delta R.T. 0.01 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

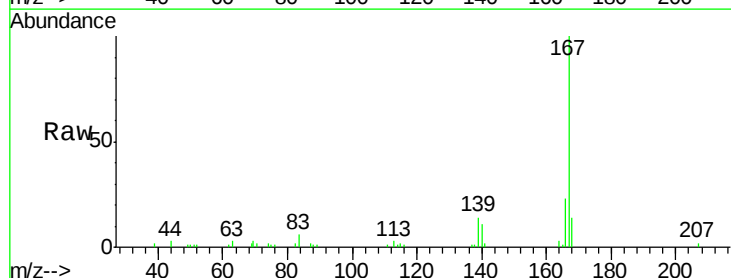
Tgt Ion:167 Resp: 28648

Ion Ratio Lower Upper

167 100

166 22.9 20.2 30.2

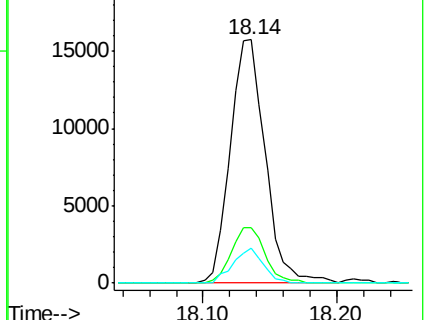
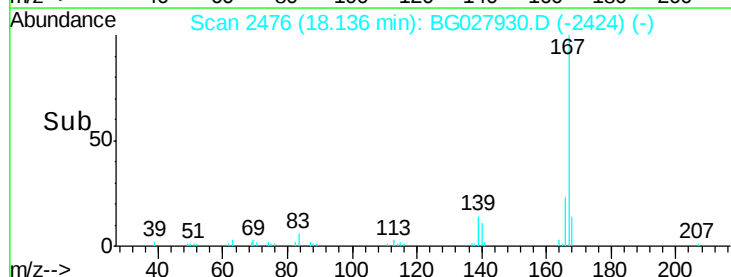
139 14.4 12.8 19.2

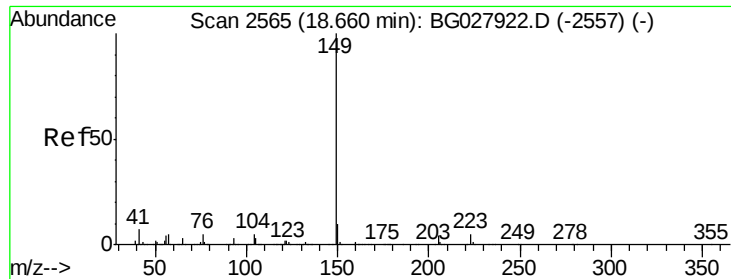


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

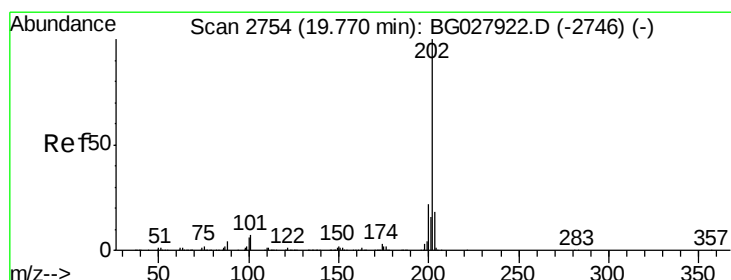
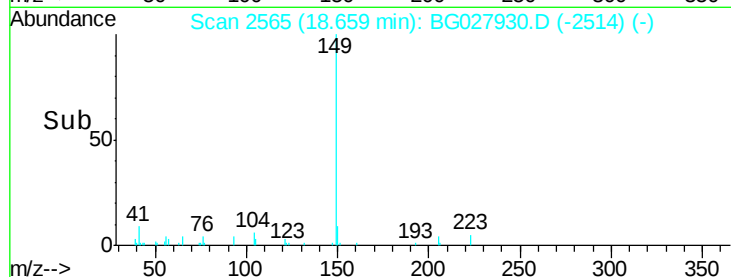
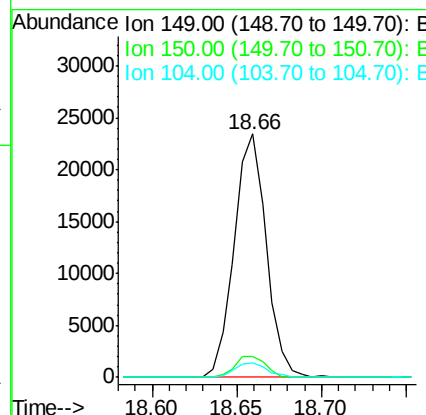
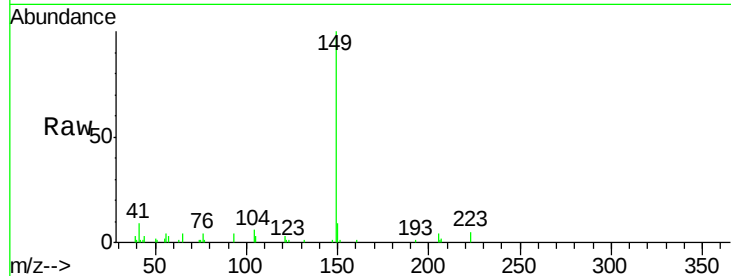




#73  
Di-n-butylphthalate  
Concen: 1.59 ng  
RT: 18.66 min Scan# 2565  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

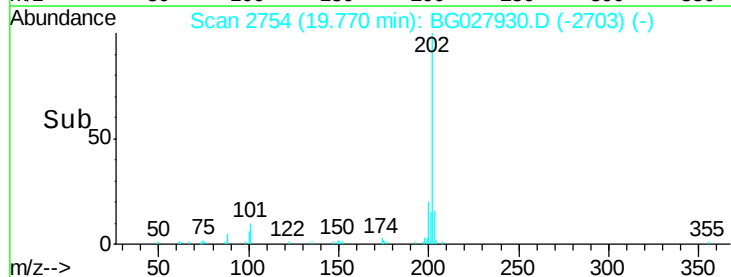
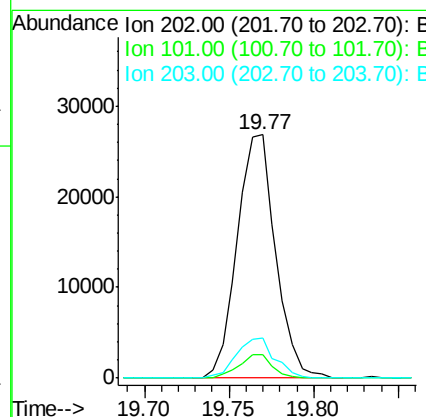
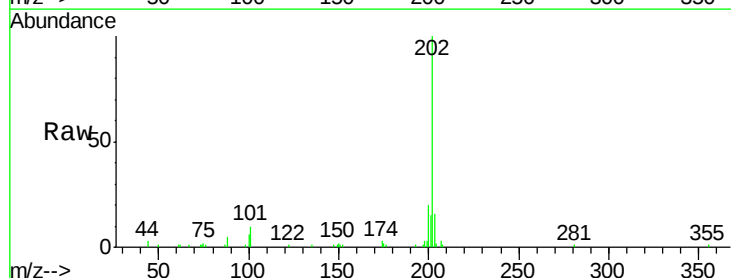
Instrument :  
BNA\_G  
ClientSampleId :

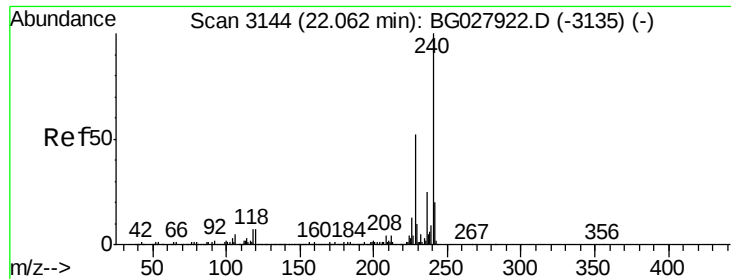
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 8.7   | 9.1   | 13.7# |
| 104     | 5.9   | 6.7   | 10.1# |



#74  
Fluoranthene  
Concen: 1.78 ng  
RT: 19.77 min Scan# 2754  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.6   | 0.0   | 30.1  |
| 203     | 16.4  | 1.3   | 41.3  |

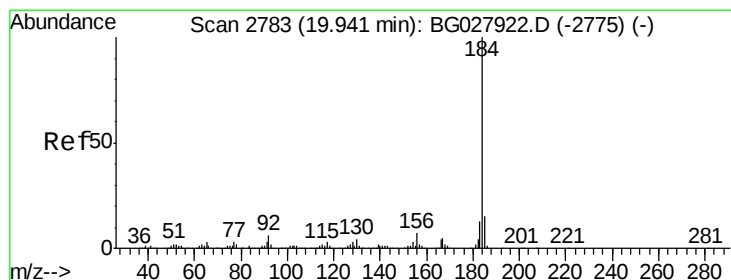
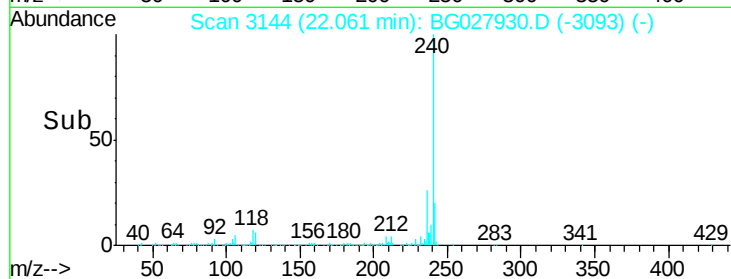
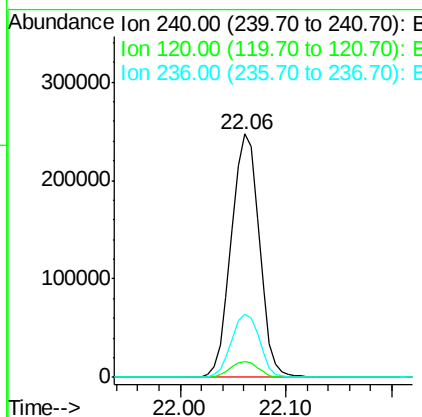
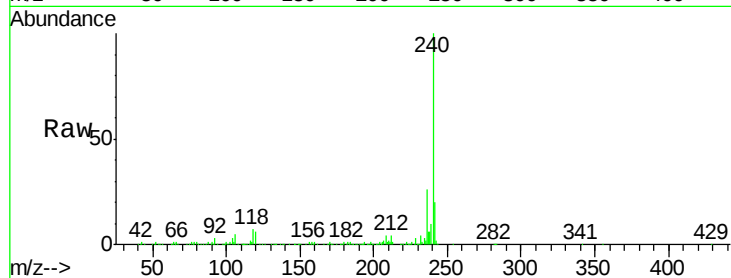




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 22.06 min Scan# 3144  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

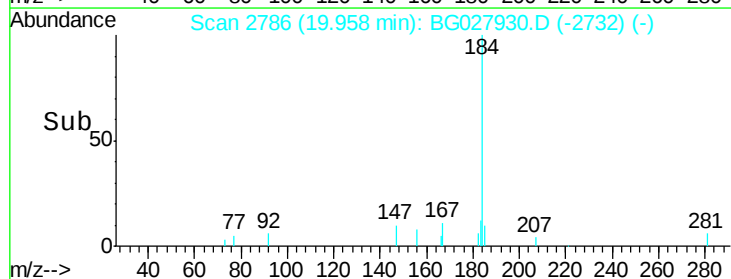
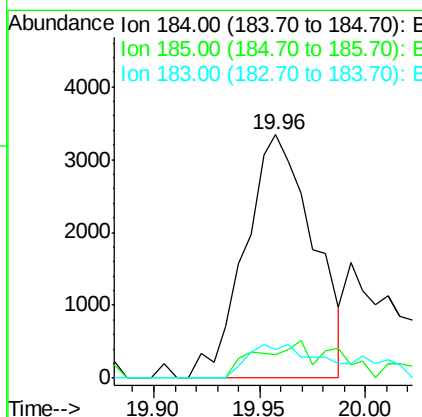
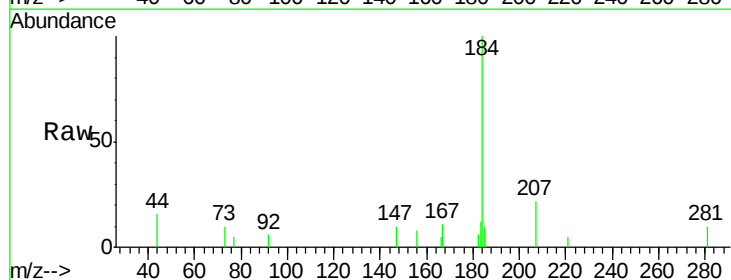
Instrument :  
 BNA\_G  
 ClientSampleId :

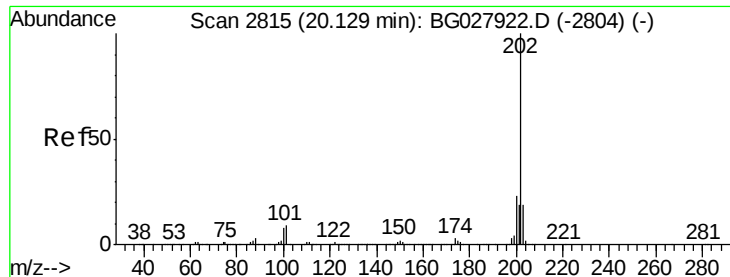
Tot Ion:240 Resp: 454433  
 Ion Ratio Lower Upper  
 240 100  
 120 6.5 5.7 8.5  
 236 26.0 22.2 33.4



#76  
 Benzidine  
 Concen: 0.70 ng  
 RT: 19.96 min Scan# 2786  
 Delta R.T. 0.02 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Tgt Ion:184 Resp: 7464  
 Ion Ratio Lower Upper  
 184 100  
 185 9.9 13.0 19.6#  
 183 12.0 11.0 16.6





#77

Pvrene

Concen: 1.79 ng

RT: 20.13 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

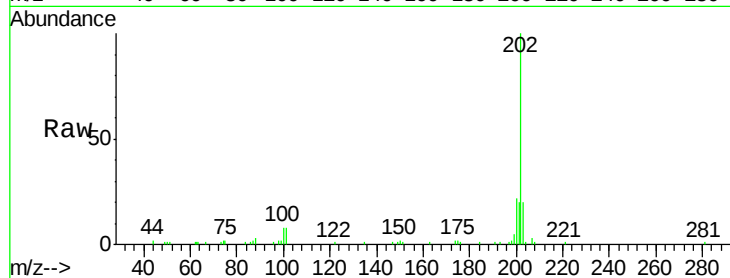
Tot Ion:202 Resp: 43435

Ion Ratio Lower Upper

202 100

200 21.6 19.6 29.4

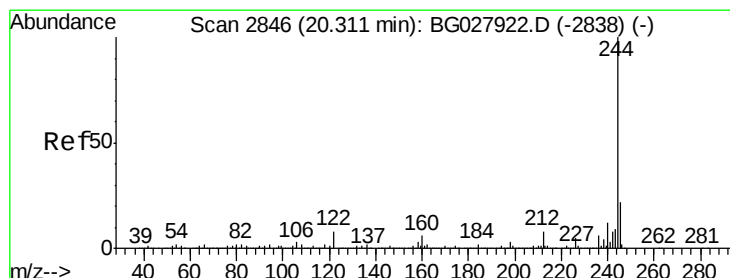
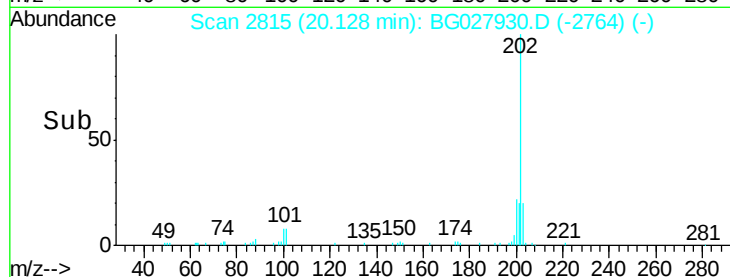
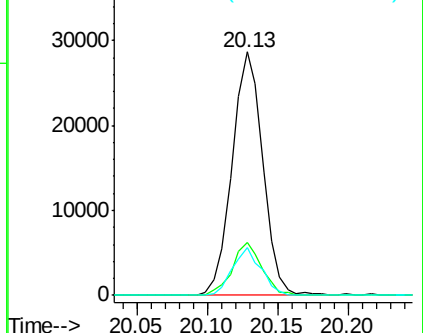
203 19.7 15.8 23.8



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: 98.14 ng

RT: 20.31 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

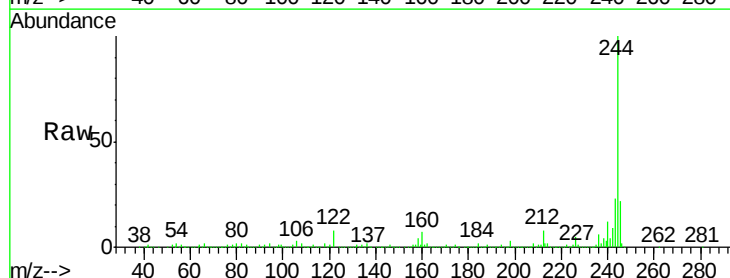
Tgt Ion:244 Resp: 1972489

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

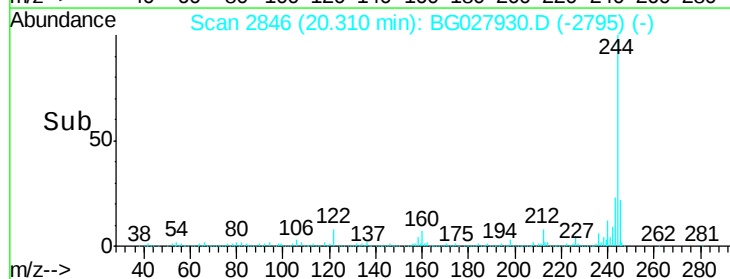
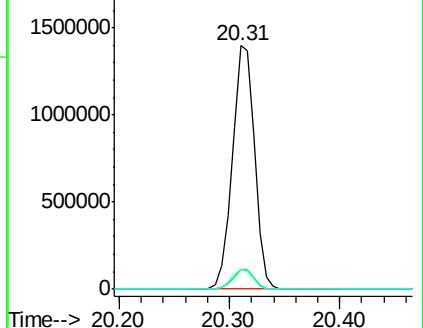
122 8.2 8.6 12.8#

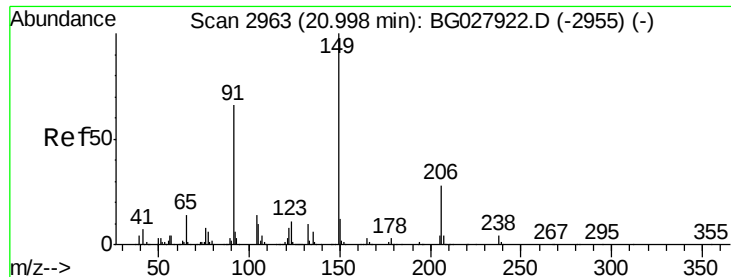


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

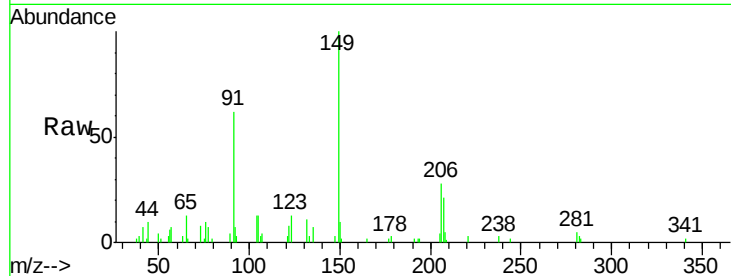




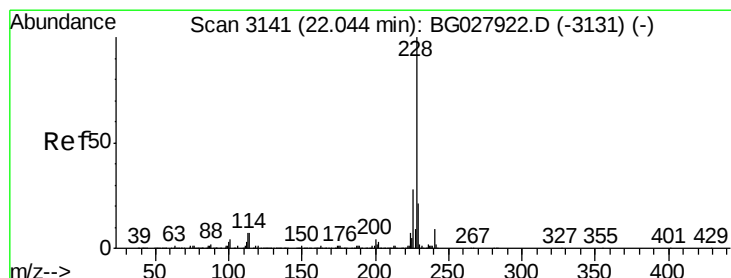
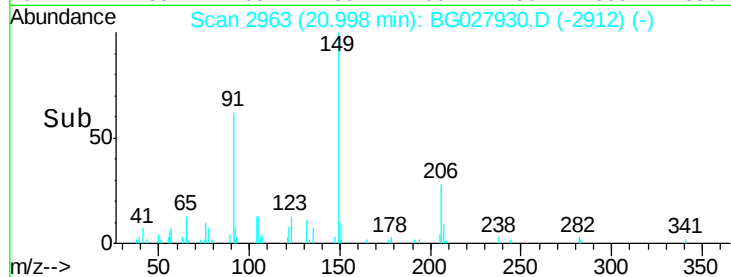
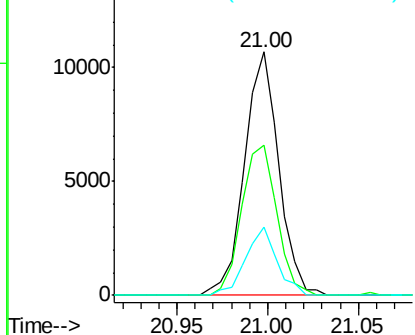
#79  
Butylbenzylphthalate  
Concen: 1.62 ng  
RT: 21.00 min Scan# 2963  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:149 Resp: 14095  
Ion Ratio Lower Upper  
149 100  
91 61.7 63.5 95.3#  
206 27.8 21.0 31.6

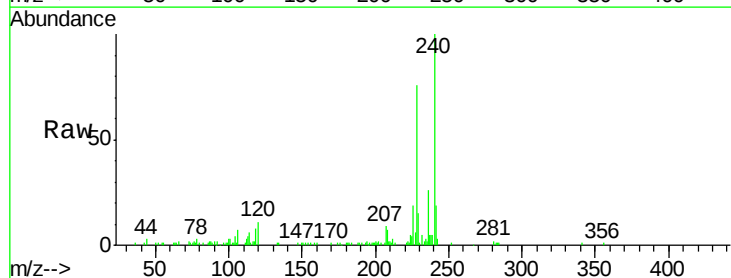


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

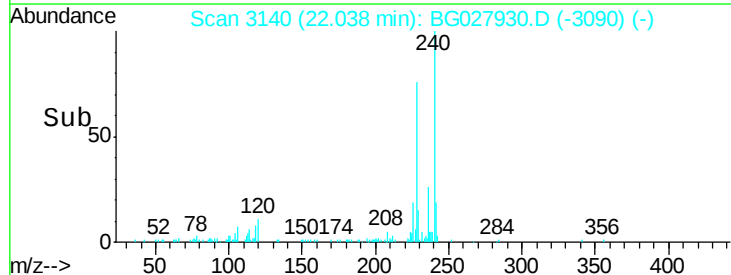
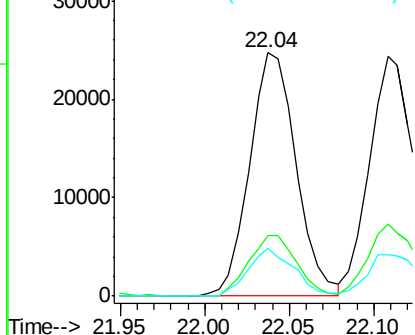


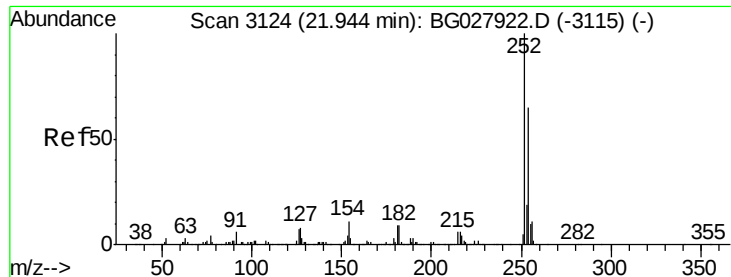
#80  
Benzo(a)anthracene  
Concen: 1.90 ng  
RT: 22.04 min Scan# 3140  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:228 Resp: 47368  
Ion Ratio Lower Upper  
228 100  
226 25.0 24.9 37.3  
229 19.8 18.2 27.2



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

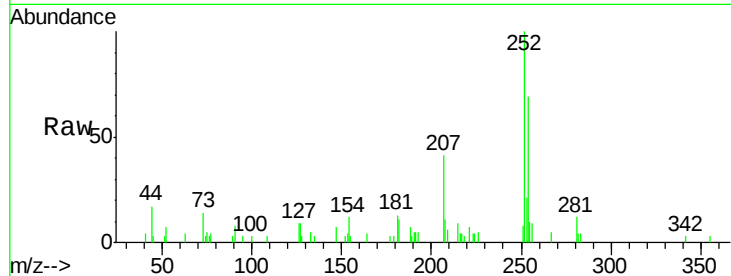




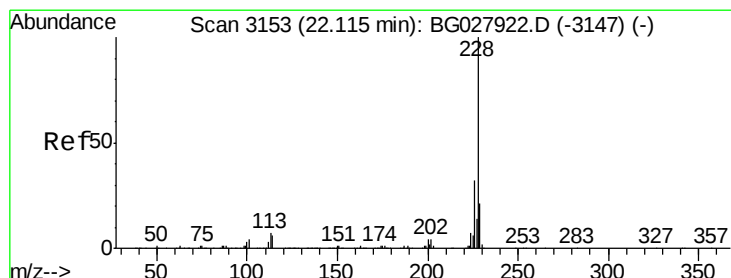
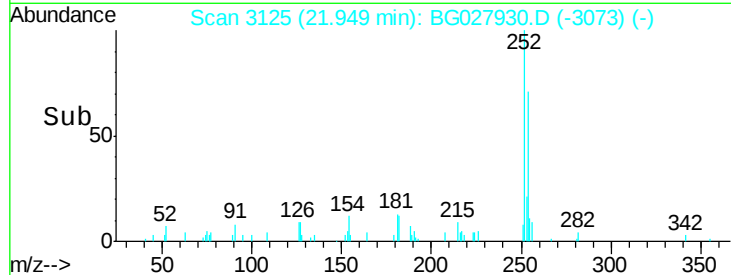
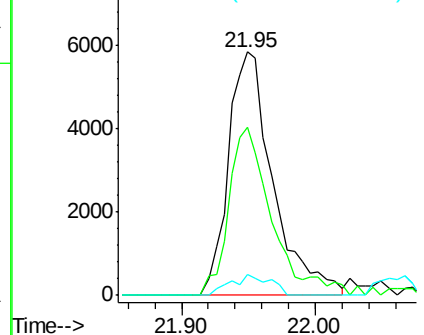
#81  
 3,3'-Dichlorobenzidine  
 Concen: 1.38 ng  
 RT: 21.95 min Scan# 3125  
 Delta R.T. 0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 69.0  | 53.1  | 79.7  |
| 126     | 8.8   | 7.0   | 10.4  |

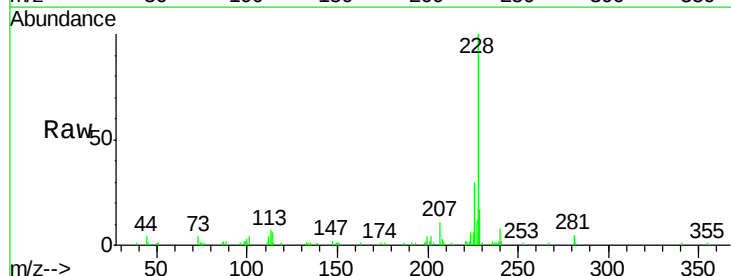


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

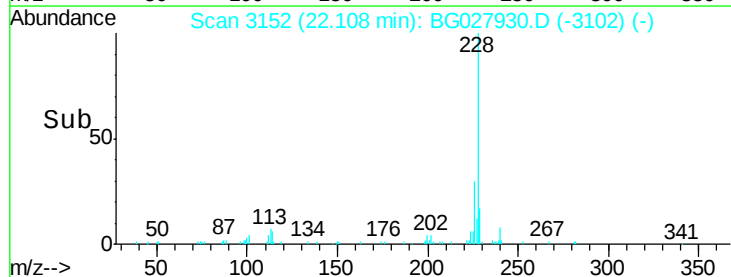
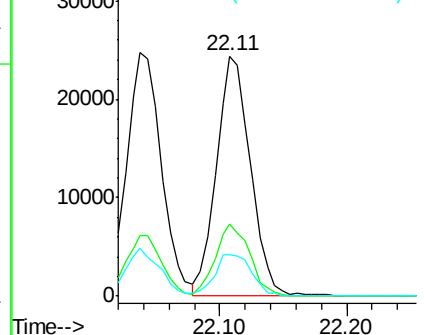


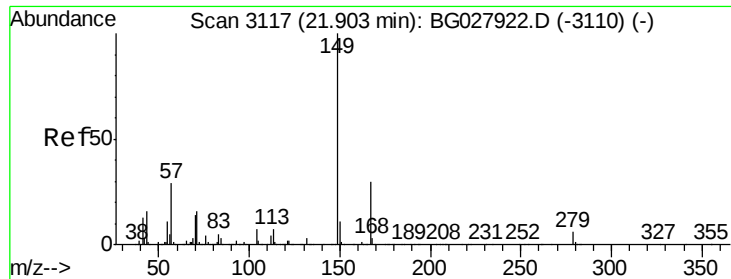
#82  
 Chrysene  
 Concen: 1.91 ng  
 RT: 22.11 min Scan# 3152  
 Delta R.T. -0.01 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 27.0  | 40.4  |
| 229     | 17.4  | 17.8  | 26.6  |



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

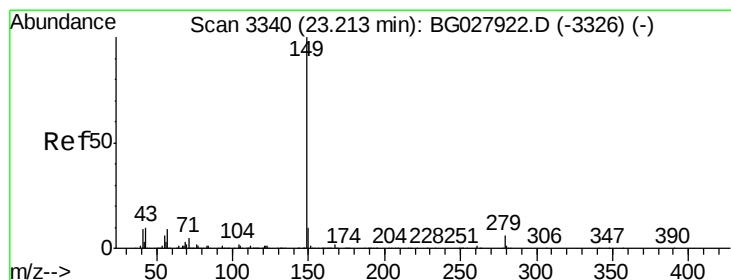
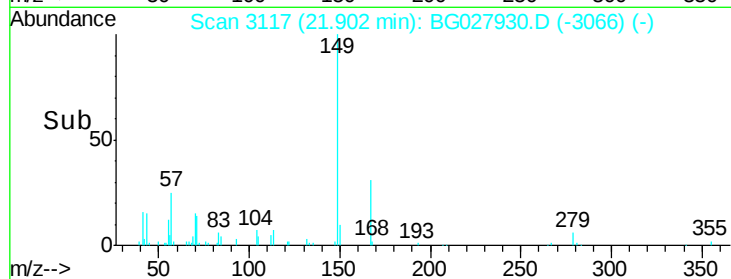
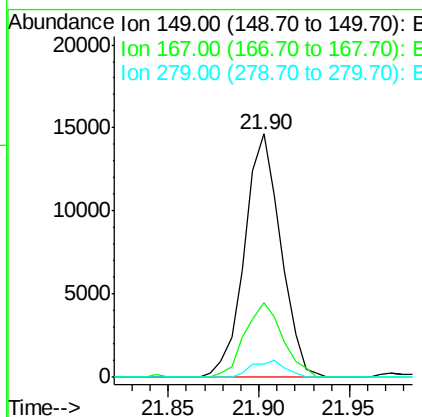
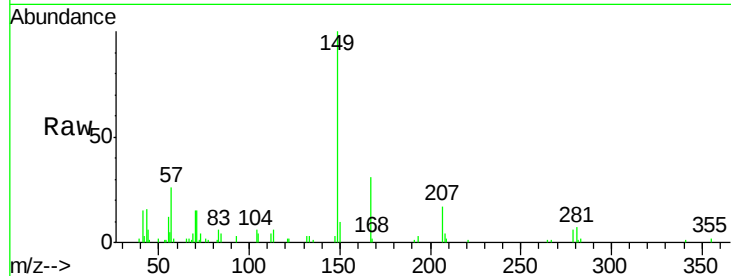




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.60 ng  
 RT: 21.90 min Scan# 3117  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

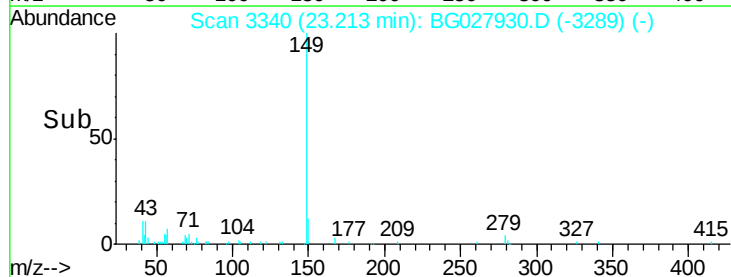
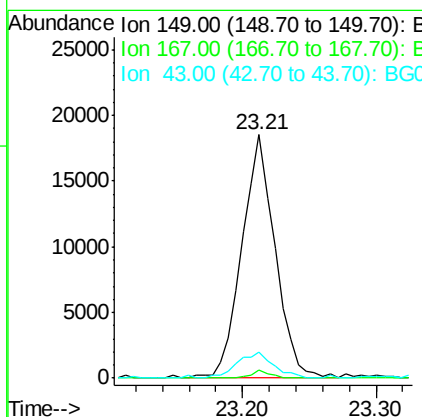
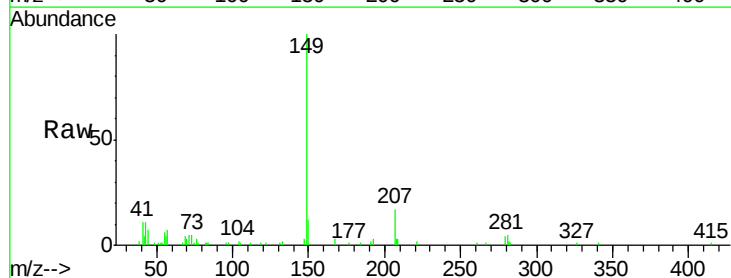
Instrument :  
 BNA\_G  
 ClientSampleId :

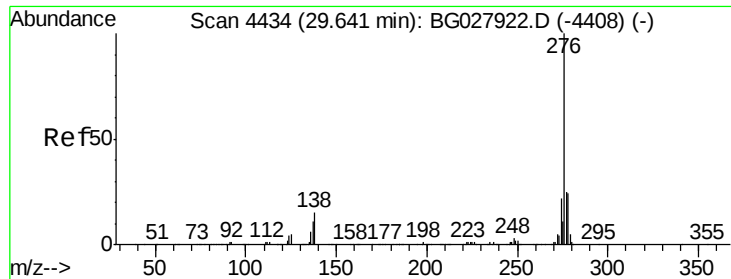
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.8  | 23.7  | 35.5  |
| 279     | 5.6   | 4.6   | 6.8   |



#84  
 Di-n-octyl phthalate  
 Concen: 1.48 ng  
 RT: 23.21 min Scan# 3340  
 Delta R.T. -0.00 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.4   | 2.2   |
| 43      | 11.7  | 11.8  | 17.6# |

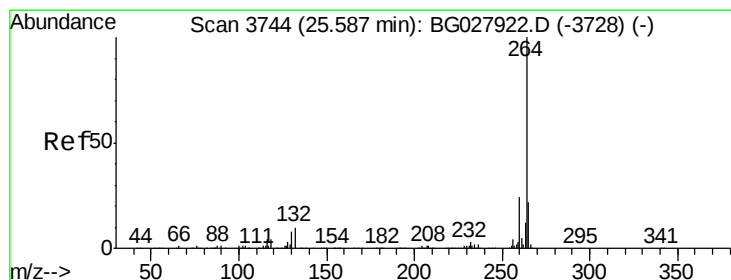
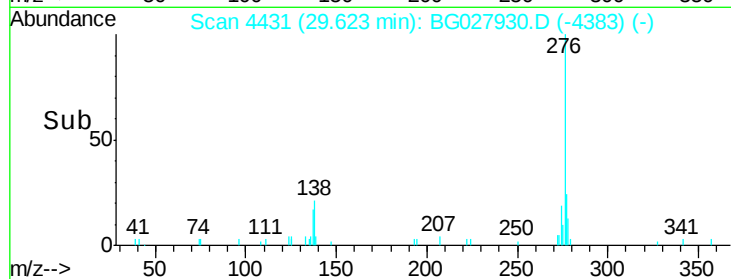
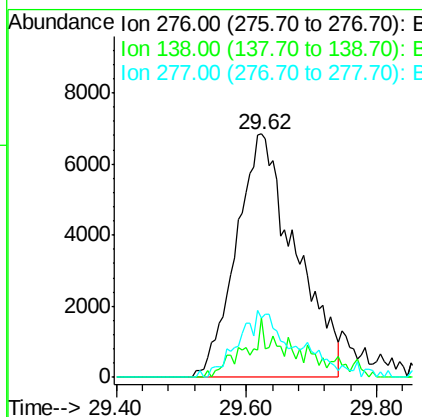
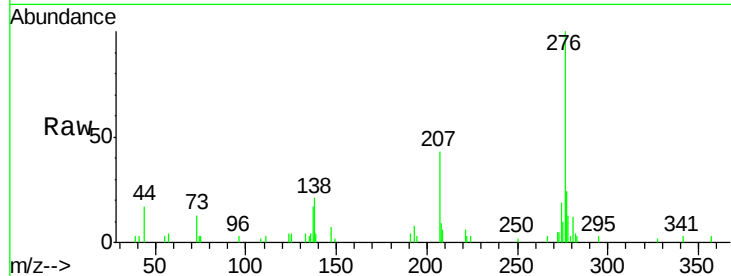




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 1.55 ng  
RT: 29.62 min Scan# 4431  
Delta R.T. -0.02 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

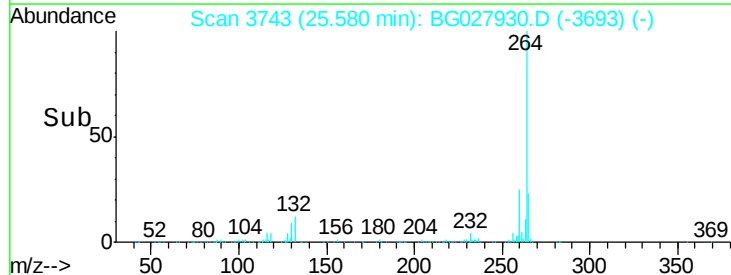
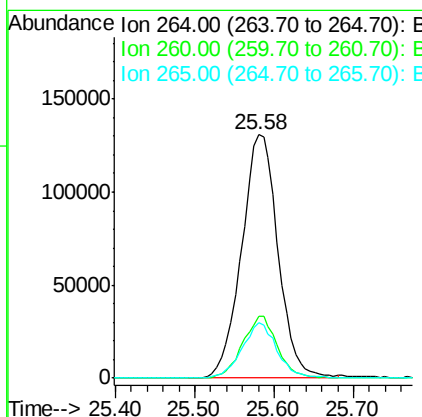
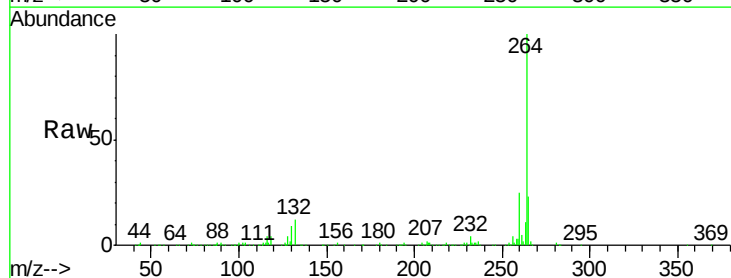
Instrument :  
BNA\_G  
ClientSampleId :

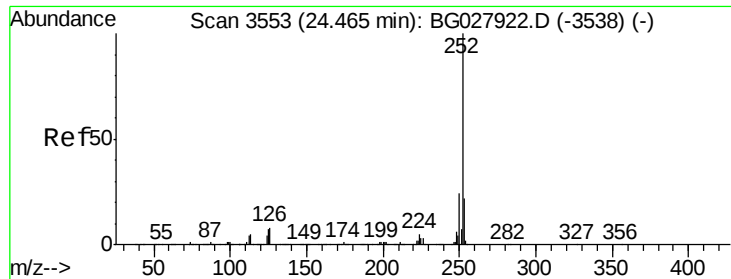
Tot Ion:276 Resp: 42853  
Ion Ratio Lower Upper  
276 100  
138 1.5 4.7 7.1#  
277 19.2 20.6 31.0#



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.58 min Scan# 3743  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

Tgt Ion:264 Resp: 418384  
Ion Ratio Lower Upper  
264 100  
260 25.4 21.8 32.8  
265 22.7 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 1.73 ng

RT: 24.45 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BG027930.D

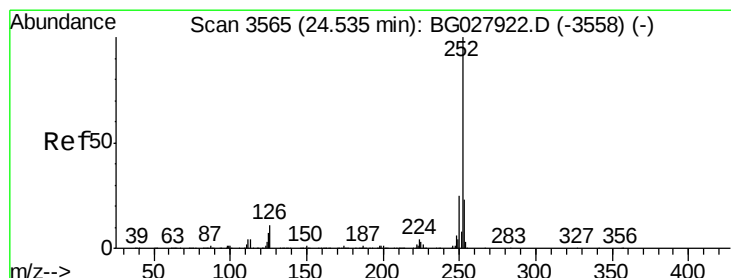
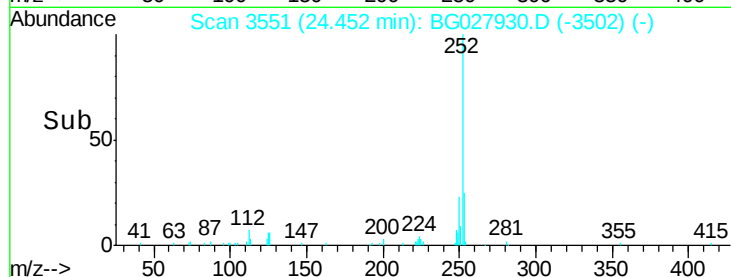
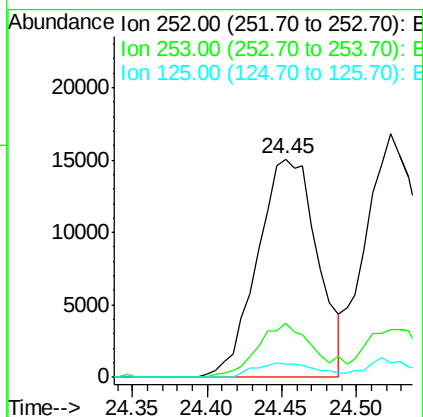
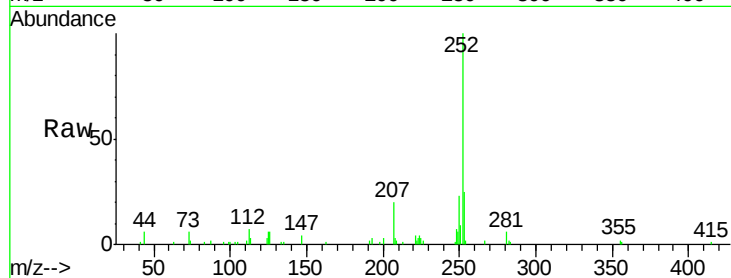
Acq: 14 Jul 2017 18:20

Instrument :

BNA\_G

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:252 | Resp: | 42194       |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 25.1  | 18.7 28.1   |
| 125         | 6.3   | 5.3 7.9     |



#88

Benzo(k)fluoranthene

Concen: 1.73 ng

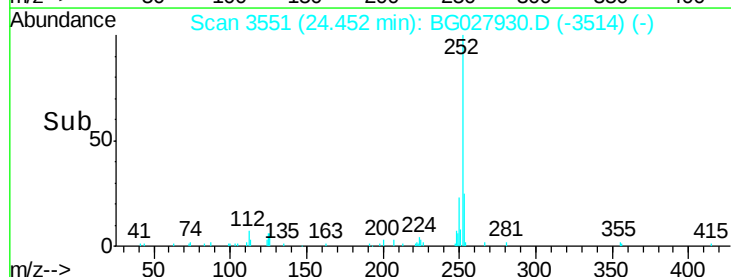
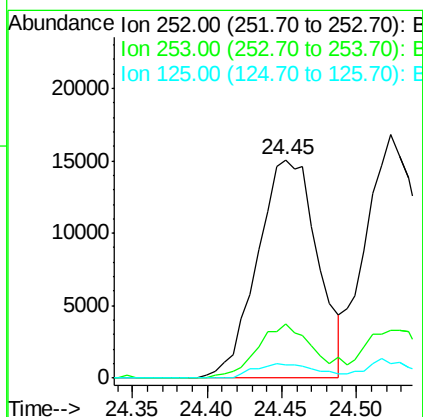
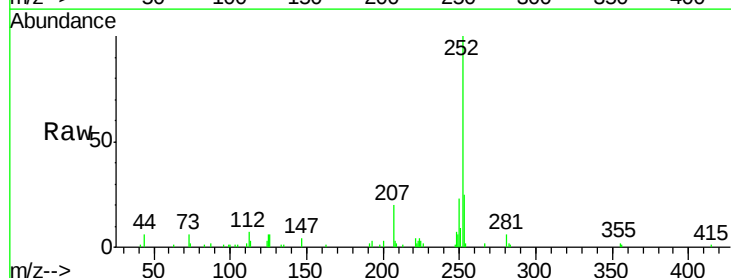
RT: 24.45 min Scan# 3551

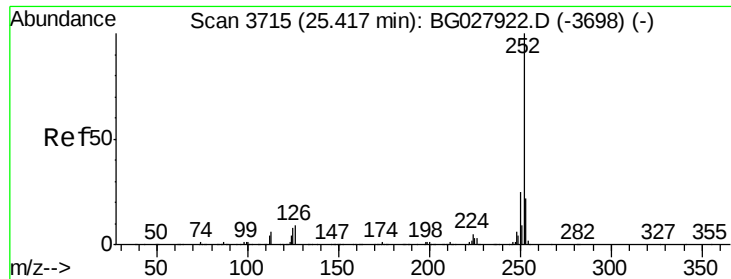
Delta R.T. -0.08 min

Lab File: BG027930.D

Acq: 14 Jul 2017 18:20

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:252 | Resp: | 42194       |
| Ion         | Ratio | Lower Upper |
| 252         | 100   |             |
| 253         | 25.1  | 20.2 30.2   |
| 125         | 6.3   | 5.1 7.7     |

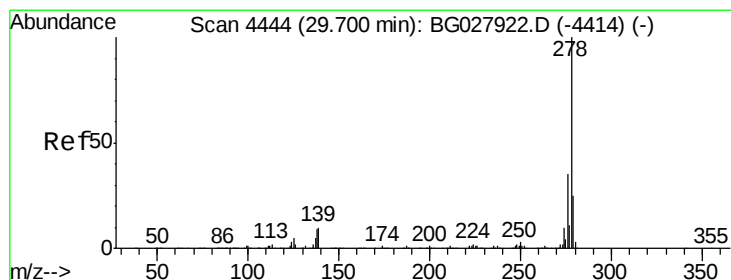
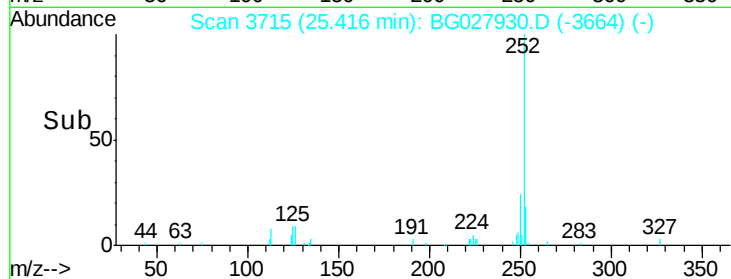
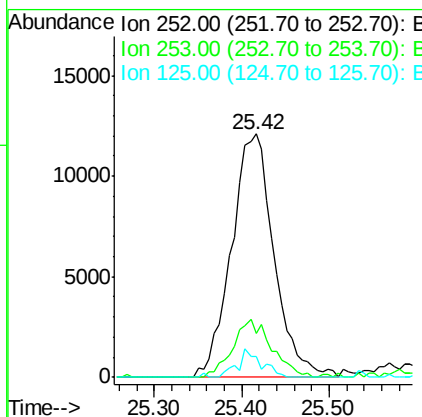
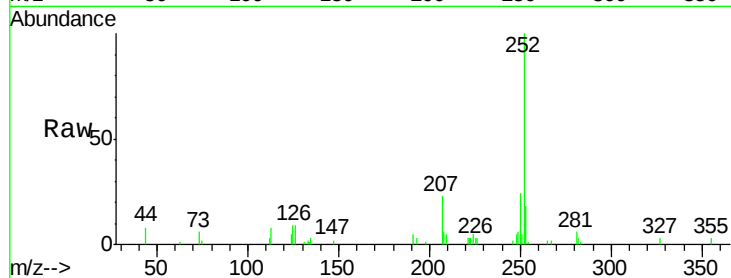




#89  
Benzo(a)pyrene  
Concen: 1.73 ng  
RT: 25.42 min Scan# 3715  
Delta R.T. -0.00 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

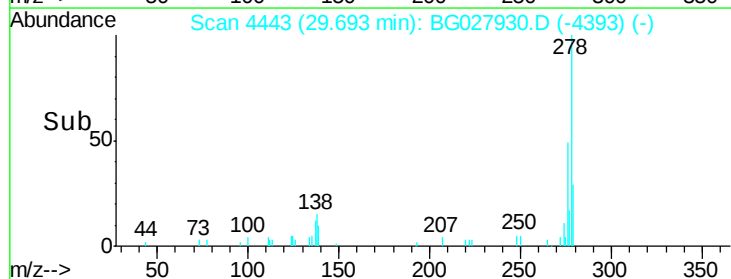
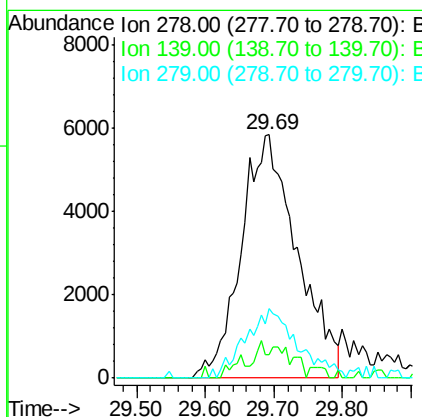
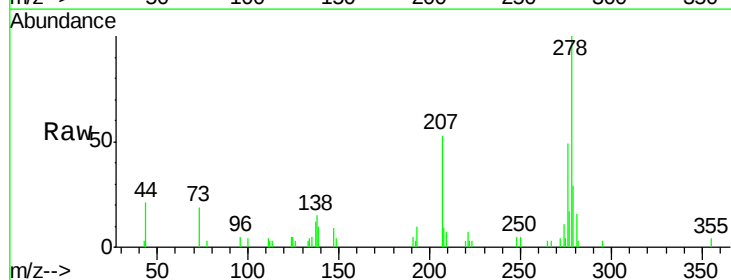
Instrument :  
BNA\_G  
ClientSampleId :

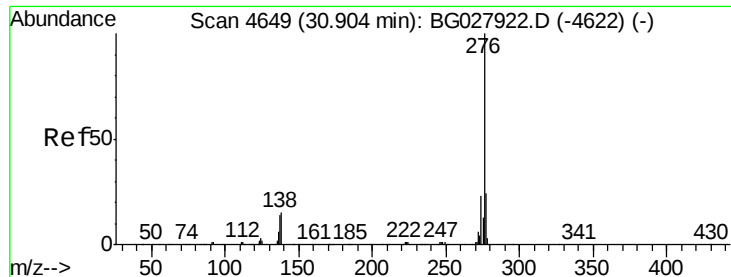
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 17.9  | 19.2  | 28.8# |
| 125     | 8.7   | 5.4   | 8.0#  |



#90  
Dibenzo(a,h)anthracene  
Concen: 1.42 ng  
RT: 29.69 min Scan# 4443  
Delta R.T. -0.01 min  
Lab File: BG027930.D  
Acq: 14 Jul 2017 18:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.7   | 7.7   | 11.5  |
| 279     | 28.8  | 19.1  | 28.7# |





#91  
 Benzo(a,h,i)perylene  
 Concen: 0.58 ng  
 RT: 30.86 min Scan# 4642  
 Delta R.T. -0.04 min  
 Lab File: BG027930.D  
 Acq: 14 Jul 2017 18:20

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 276     | 100  |       |       |       |
| 277     | 27.9 | 18.6  | 27.8# |       |
| 138     | 12.7 | 8.1   | 12.1# |       |

