

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\  
 Data File : BG041232.D  
 Acq On : 13 Jun 2019 22:04  
 Operator : HP/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 14 08:49:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 45421    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 191359   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.73 | 164  | 136877   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 329994   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.76 | 240  | 340848   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.09 | 264  | 338246   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 199703  | 79.28 | ng | 0.00 |
| 7) Phenol-d6             | 7.25  | 99  | 299843  | 77.08 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 364389  | 84.54 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 159195  | 78.34 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.36 | 172 | 807514  | 84.96 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.07 | 244 | 1371963 | 85.43 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 41751  | 36.527 | ng | 96     |
| 3) Pyridine                    | 3.91  | 79  | 122493 | 36.217 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.83  | 42  | 70225  | 44.738 | ng | 82     |
| 6) Aniline                     | 7.43  | 93  | 200205 | 38.556 | ng | 97     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 118460 | 39.447 | ng | 95     |
| 9) Benzaldehyde                | 7.24  | 77  | 99325  | 42.801 | ng | 94     |
| 10) Phenol                     | 7.28  | 94  | 159512 | 38.243 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 119756 | 39.577 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 149622 | 41.716 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.14  | 146 | 153300 | 42.226 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 143887 | 40.819 | ng | 97     |
| 15) Benzyl Alcohol             | 8.35  | 79  | 142181 | 39.511 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 192459 | 38.924 | ng | 97     |
| 17) 2-Methylphenol             | 8.54  | 107 | 115807 | 38.346 | ng | 98     |
| 18) Hexachloroethane           | 9.18  | 117 | 59788  | 42.728 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 115355 | 38.533 | ng | # 97   |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 161069 | 38.503 | ng | 96     |
| 22) Acetophenone               | 8.93  | 105 | 216563 | 40.344 | ng | # 98   |
| 24) Nitrobenzene               | 9.33  | 77  | 183316 | 41.731 | ng | 97     |
| 25) Isophorone                 | 9.84  | 82  | 324795 | 39.594 | ng | 98     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 76471  | 42.228 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 10.08 | 122 | 109908 | 36.748 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 172143 | 38.881 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.57 | 162 | 148262 | 39.037 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 180764 | 41.838 | ng | 95     |
| 31) Naphthalene                | 10.97 | 128 | 418350 | 40.718 | ng | 98     |
| 32) Benzoic acid               | 10.23 | 122 | 71845  | 33.791 | ng | 86     |
| 33) 4-Chloroaniline            | 11.09 | 127 | 183811 | 38.558 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 141886 | 42.919 | ng | 97     |
| 35) Caprolactam                | 11.90 | 113 | 46258  | 36.882 | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 12.20 | 107 | 160779 | 37.067 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 315096 | 39.820 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.57 | 142 | 315096 | 42.257 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 236635 | 42.893 | ng | 99     |

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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

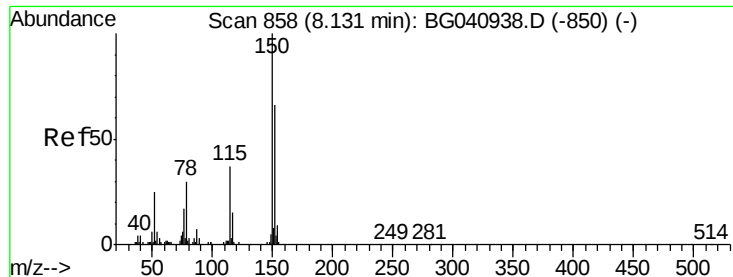
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 14 08:49:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.89 | 237  | 105458   | 40.135 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 13.17 | 196  | 148457   | 41.597 | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.25 | 196  | 148209   | 39.376 | ng    | 93       |
| 46) 1,1'-Biphenyl              | 13.57 | 154  | 419560   | 41.410 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 365781   | 42.053 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.83 | 65   | 130327   | 41.766 | ng    | 96       |
| 49) Acenaphthylene             | 14.46 | 152  | 533574   | 40.758 | ng    | 99       |
| 50) Dimethylphthalate          | 14.19 | 163  | 460145   | 39.713 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 99640    | 39.885 | ng    | 98       |
| 52) Acenaphthene               | 14.80 | 154  | 313315   | 39.507 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 98428    | 39.401 | ng    | 99       |
| 54) 2,4-Dinitrophenol          | 14.86 | 184  | 33170    | 36.115 | ng    | 94       |
| 55) Dibenzofuran               | 15.13 | 168  | 537210   | 40.258 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.95 | 139  | 60413    | 35.258 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 140248   | 39.743 | ng    | # 96     |
| 58) Fluorene                   | 15.78 | 166  | 418775   | 39.406 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.36 | 232  | 144674   | 39.112 | ng    | 99       |
| 60) Diethylphthalate           | 15.53 | 149  | 462476   | 39.112 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204  | 273073   | 39.533 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 102475   | 38.748 | ng    | 95       |
| 63) Azobenzene                 | 16.06 | 77   | 415792   | 38.688 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 68537    | 40.412 | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 376101   | 40.543 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 177736   | 39.910 | ng    | 97       |
| 68) Hexachlorobenzene          | 16.77 | 284  | 186823   | 39.396 | ng    | 98       |
| 69) Atrazine                   | 16.93 | 200  | 140152   | 39.155 | ng    | 98       |
| 70) Pentachlorophenol          | 17.12 | 266  | 90299    | 37.910 | ng    | 97       |
| 71) Phenanthrene               | 17.52 | 178  | 709675   | 41.287 | ng    | 99       |
| 72) Anthracene                 | 17.61 | 178  | 713975   | 42.115 | ng    | 100      |
| 73) Carbazole                  | 17.89 | 167  | 618888   | 42.546 | ng    | 98       |
| 74) Di-n-butylphthalate        | 18.41 | 149  | 753811   | 41.695 | ng    | 98       |
| 75) Fluoranthene               | 19.52 | 202  | 922602   | 43.455 | ng    | 99       |
| 77) Benzidine                  | 19.71 | 184  | 263319   | 32.384 | ng    | 98       |
| 78) Pyrene                     | 19.89 | 202  | 934677   | 42.184 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.75 | 149  | 362216   | 42.007 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.74 | 228  | 943615   | 41.589 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 315936   | 39.590 | ng    | 99       |
| 83) Chrysene                   | 21.81 | 228  | 903761   | 41.624 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149  | 496829   | 40.931 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.84 | 149  | 838565   | 41.481 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 28.91 | 276  | 637751   | 23.978 | ng    | # 78     |
| 88) Benzo(b)fluoranthene       | 24.02 | 252  | 840554   | 40.971 | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 24.09 | 252  | 913639   | 45.003 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.93 | 252  | 810552   | 41.411 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.96 | 278  | 537603   | 27.487 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.11 | 276  | 470789   | 24.777 | ng    | 98       |

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



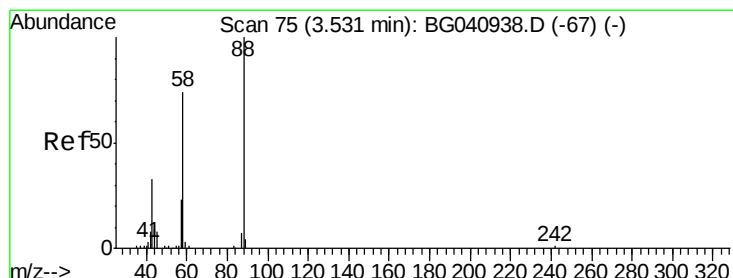
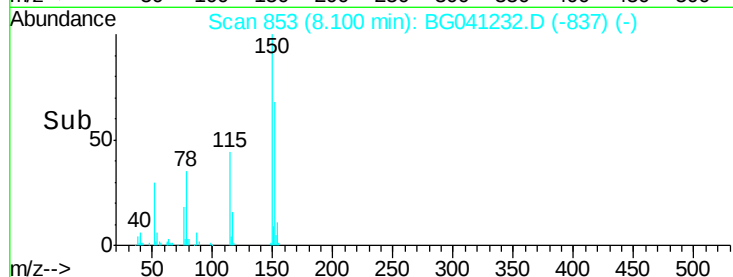
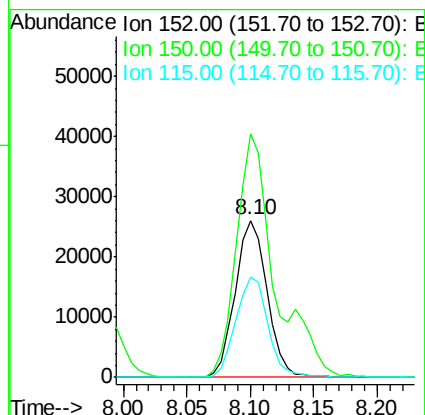
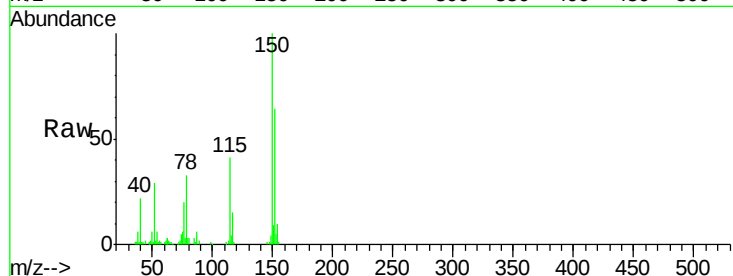


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 853  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampleId :

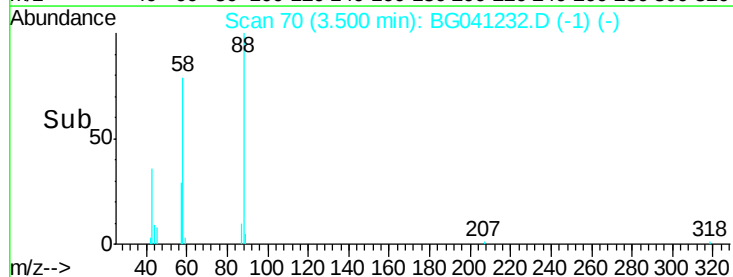
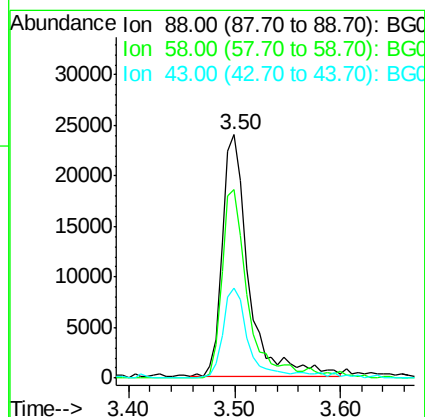
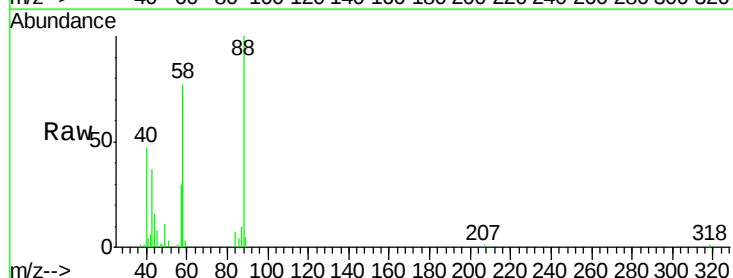
Tot Ion:152 Resp: 45421  
Ion Ratio Lower Upper  
152 100  
150 155.4 120.6 180.8  
115 63.9 45.1 67.7

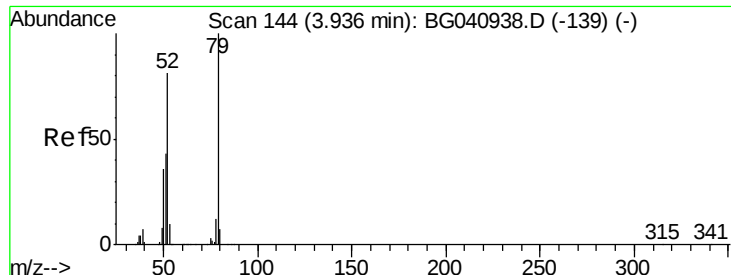


#2

1,4-Dioxane  
Concen: 36.527 ng  
RT: 3.50 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion: 88 Resp: 41751  
Ion Ratio Lower Upper  
88 100  
58 75.6 59.0 88.6  
43 38.3 27.2 40.8





#3

Pvridine

Concen: 36.217 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

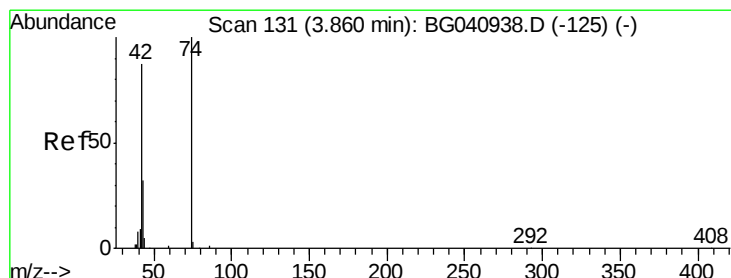
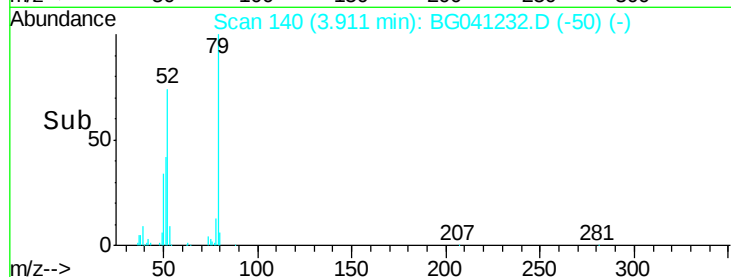
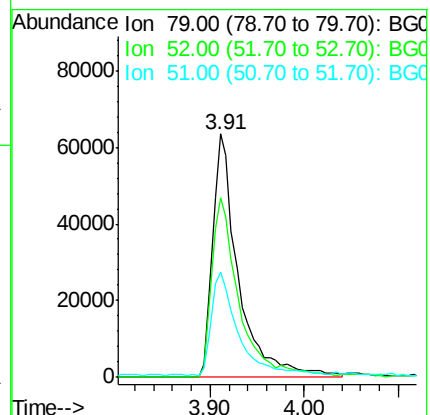
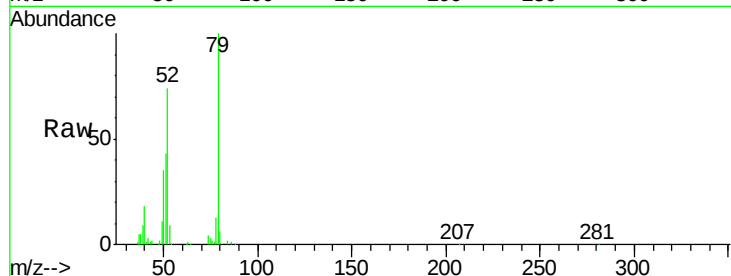
Tot Ion: 79 Resp: 122493

Ion Ratio Lower Upper

79 100

52 73.9 64.8 97.2

51 43.2 35.3 52.9



#4

n-Nitrosodimethylamine

Concen: 44.738 ng

RT: 3.83 min Scan# 127

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

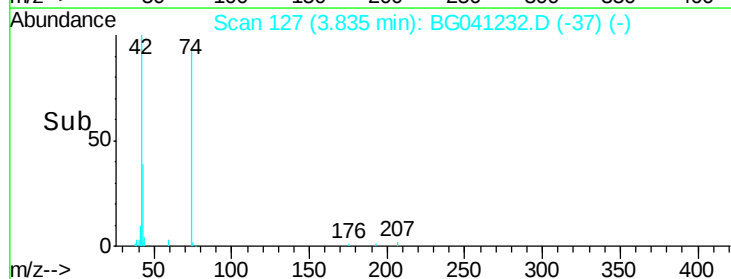
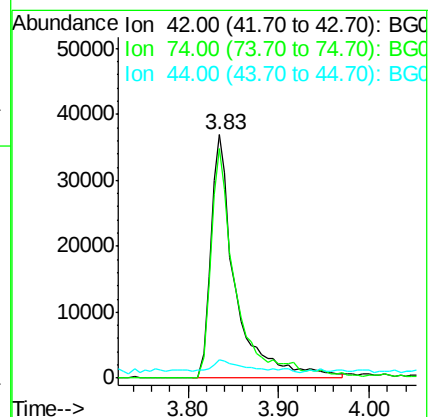
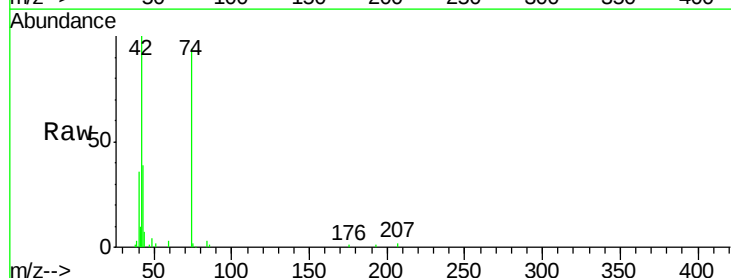
Tgt Ion: 42 Resp: 70225

Ion Ratio Lower Upper

42 100

74 94.0 91.8 137.6

44 7.5 6.0 9.0





#5

2-Fluorophenol

Concen: 79.282 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

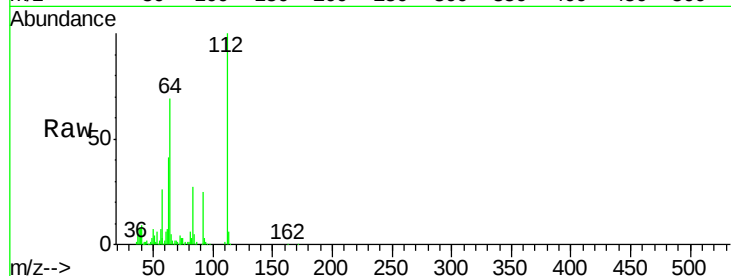
Tot Ion:112 Resp: 199703

Ion Ratio Lower Upper

112 100

64 69.5 56.2 84.2

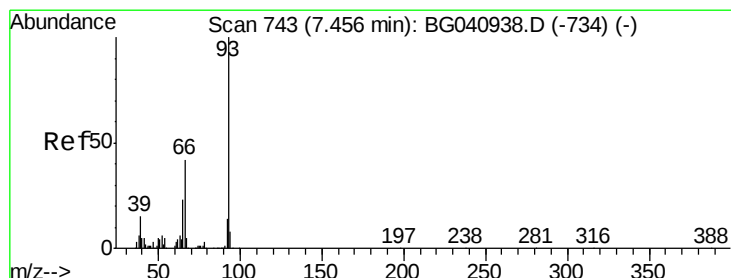
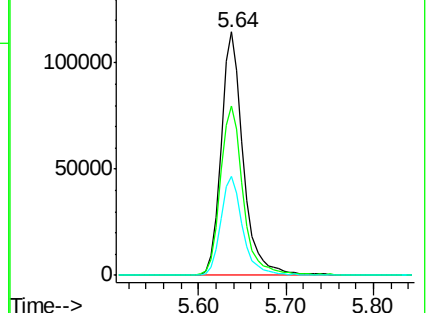
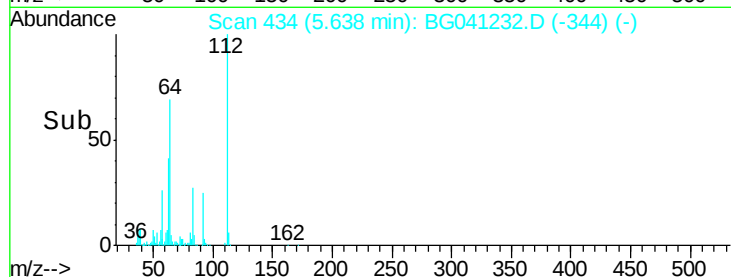
63 40.6 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 38.556 ng

RT: 7.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

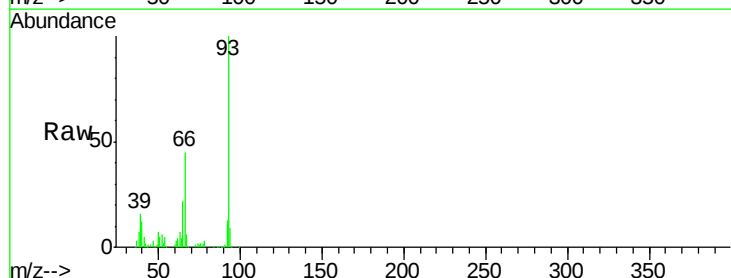
Tgt Ion: 93 Resp: 200205

Ion Ratio Lower Upper

93 100

66 44.9 33.8 50.8

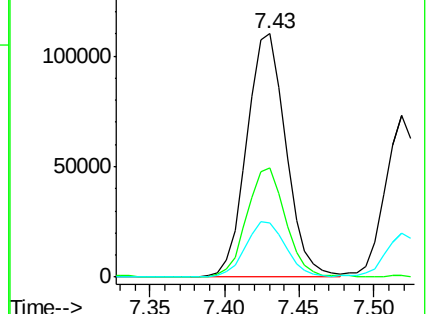
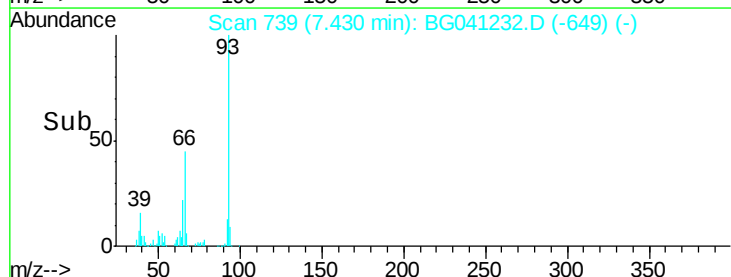
65 22.3 18.3 27.5

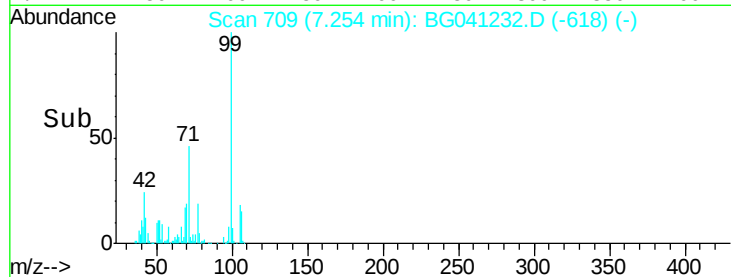
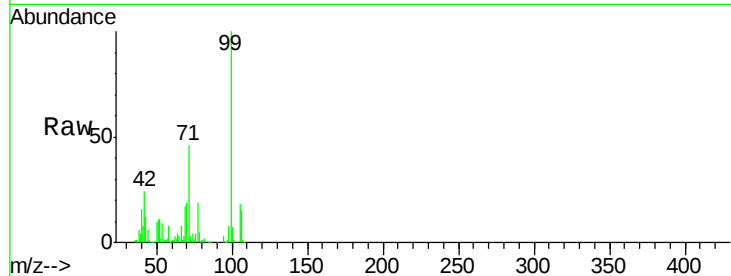
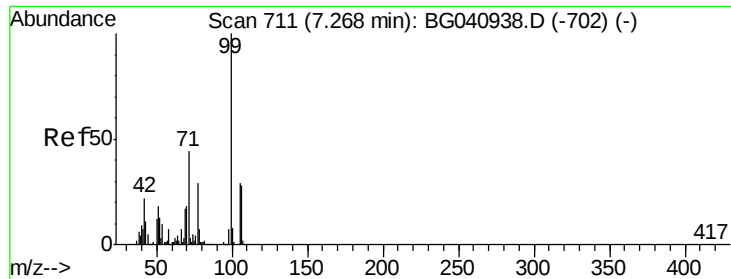


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 77.077 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

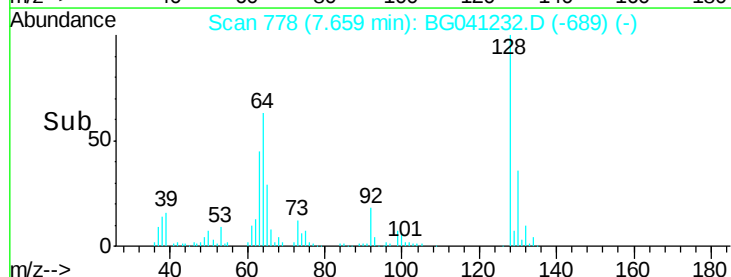
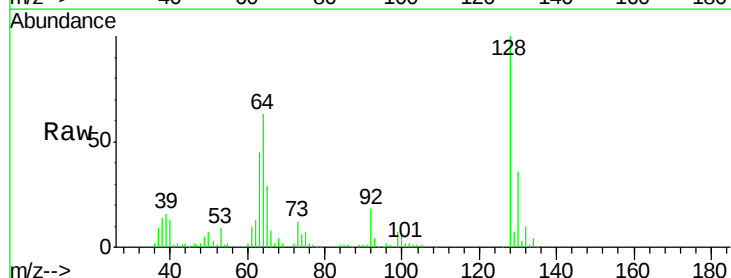
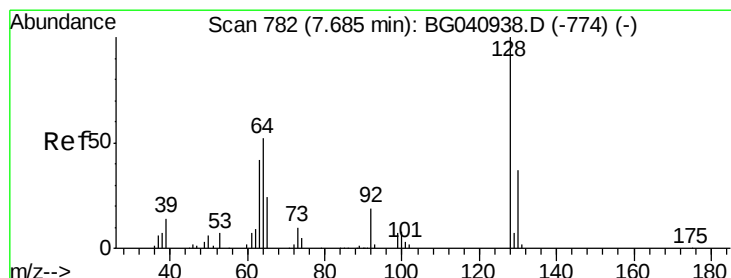
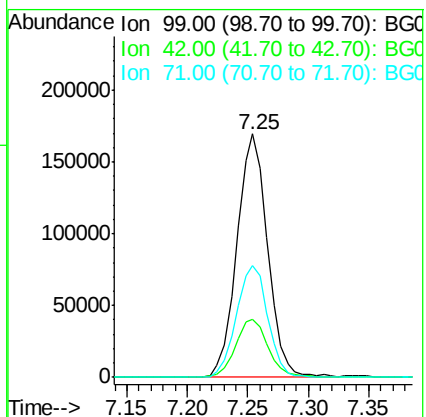
Tot Ion: 99 Resp: 299843

Ion Ratio Lower Upper

99 100

42 23.8 17.9 26.9

71 45.8 35.4 53.0



#8

2-Chlorophenol

Concen: 39.447 ng

RT: 7.66 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

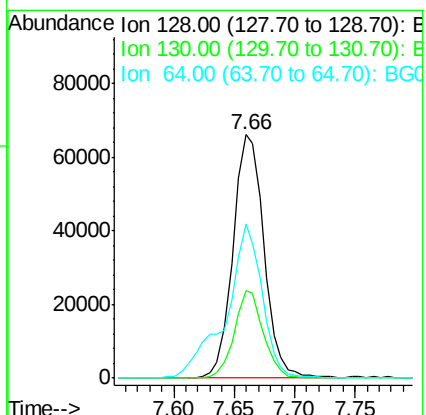
Tgt Ion: 128 Resp: 118460

Ion Ratio Lower Upper

128 100

130 36.0 16.6 56.6

64 63.2 37.8 77.8





#9

Benzaldehyde

Concen: 42.801 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

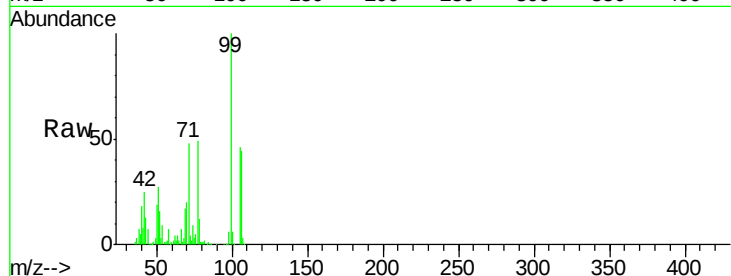
Tot Ion: 77 Resp: 99325

Ion Ratio Lower Upper

77 100

105 94.1 78.9 118.9

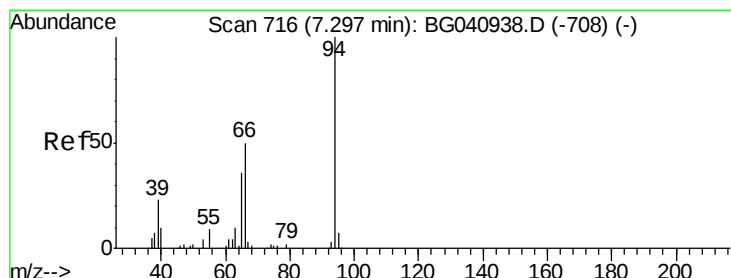
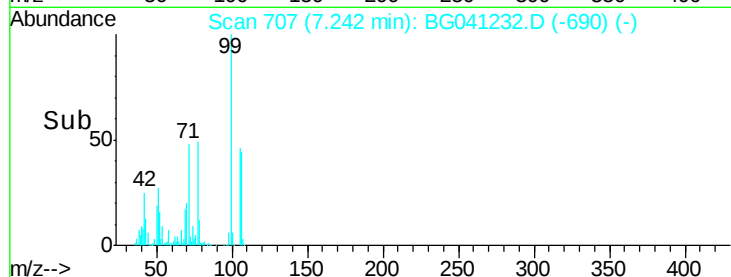
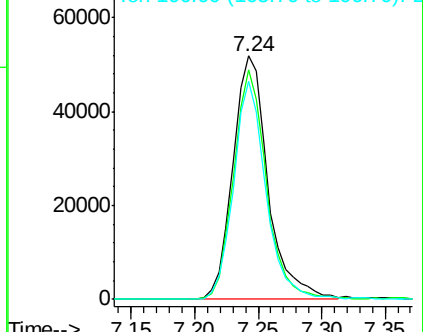
106 89.6 76.7 116.7



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 38.243 ng

RT: 7.28 min Scan# 714

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

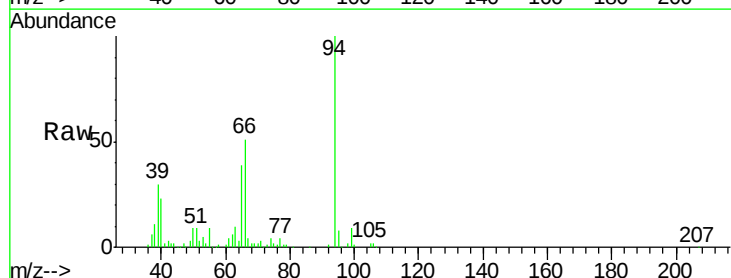
Tgt Ion: 94 Resp: 159512

Ion Ratio Lower Upper

94 100

65 38.7 17.0 57.0

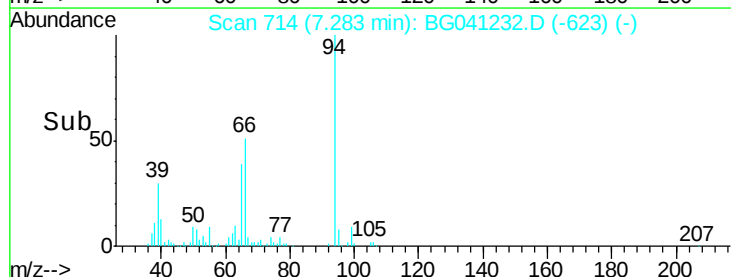
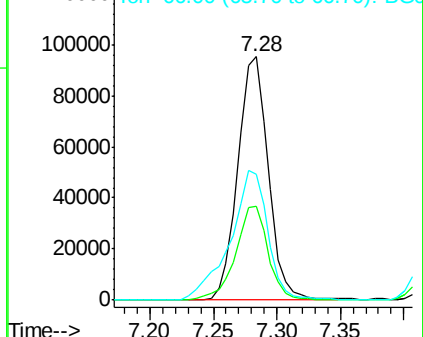
66 51.5 32.4 72.4

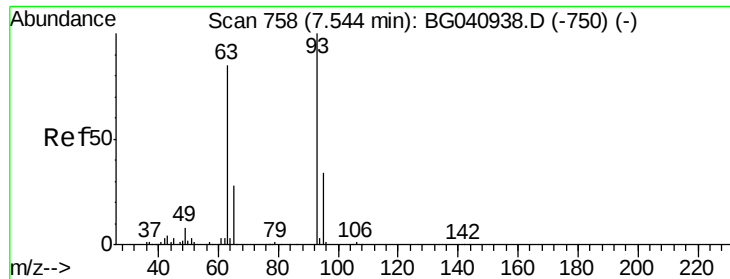


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

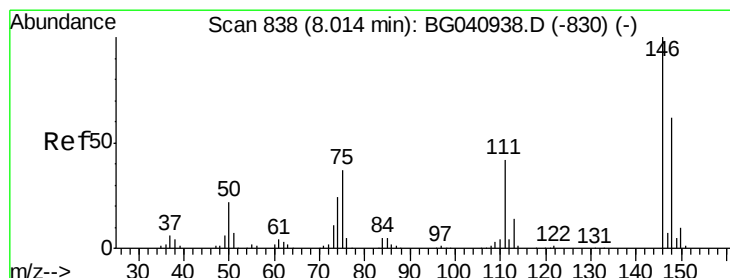
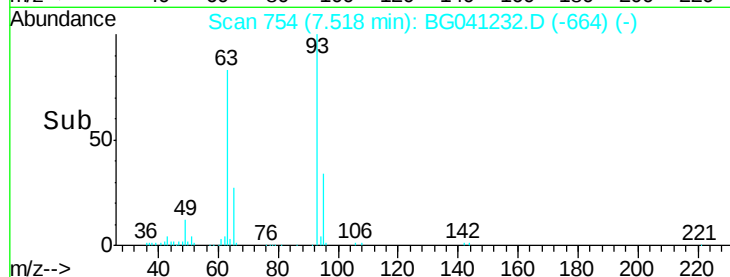
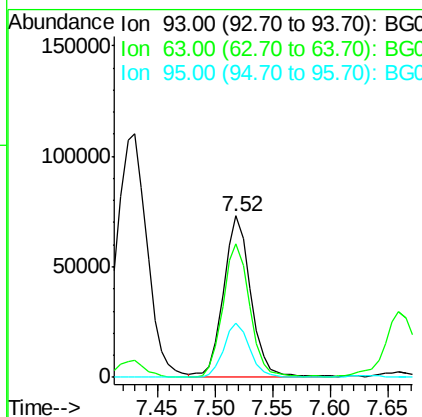
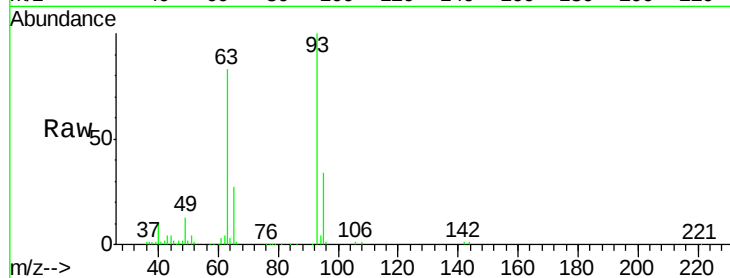




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.577 ng  
 RT: 7.52 min Scan# 754  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

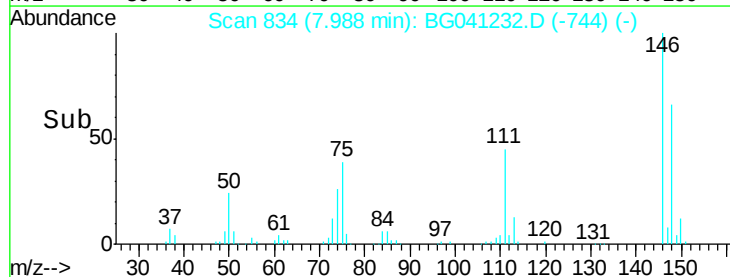
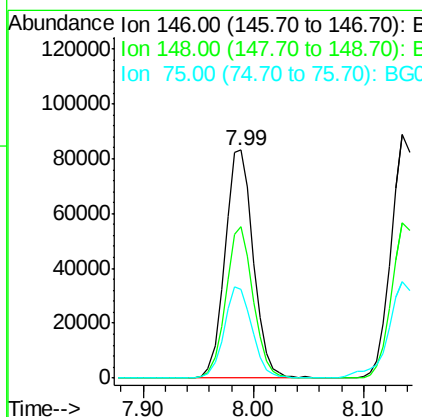
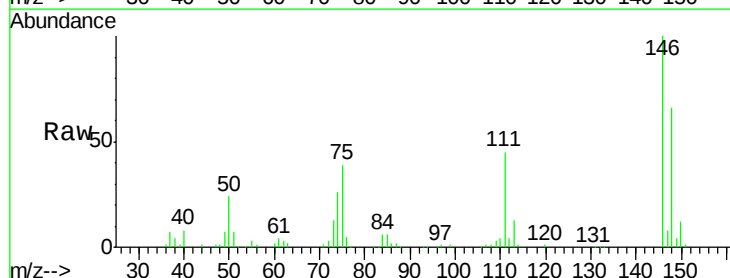
Instrument :  
 BNA\_G  
 ClientSampled :

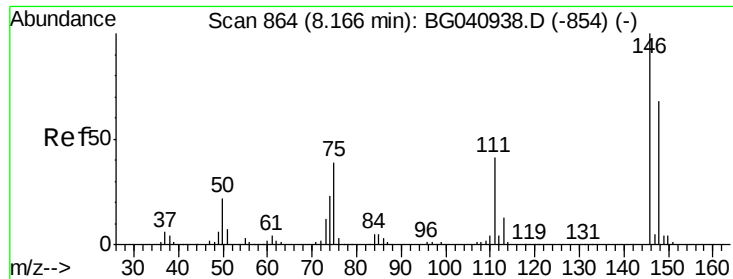
Tot Ion: 93 Resp: 119756  
 Ion Ratio Lower Upper  
 93 100  
 63 83.0 64.5 104.5  
 95 33.8 13.3 53.3



#12  
 1,3-Dichlorobenzene  
 Concen: 41.716 ng  
 RT: 7.99 min Scan# 834  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

Tgt Ion: 146 Resp: 149622  
 Ion Ratio Lower Upper  
 146 100  
 148 66.3 49.2 73.8  
 75 39.1 29.4 44.0

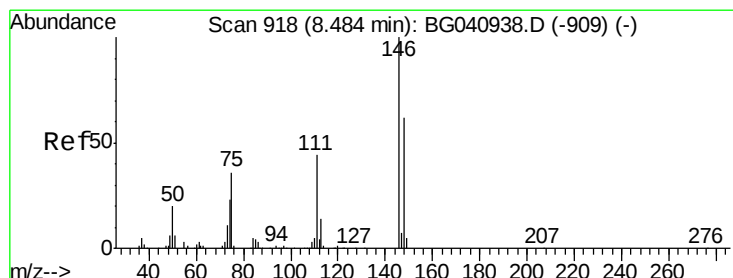
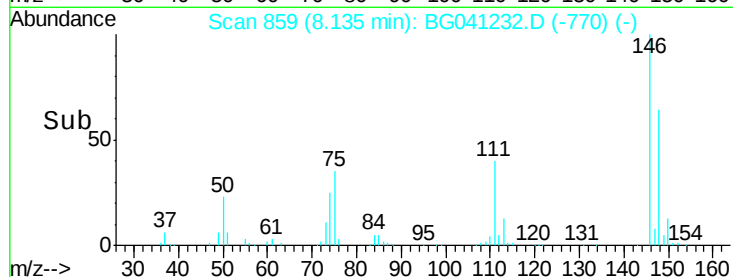
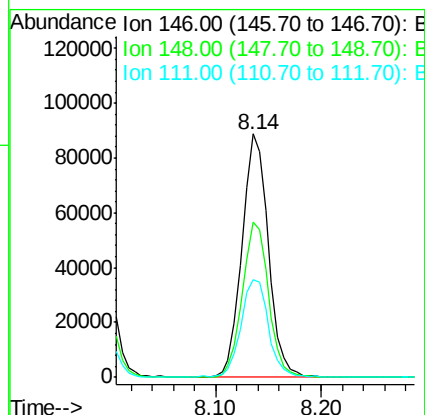
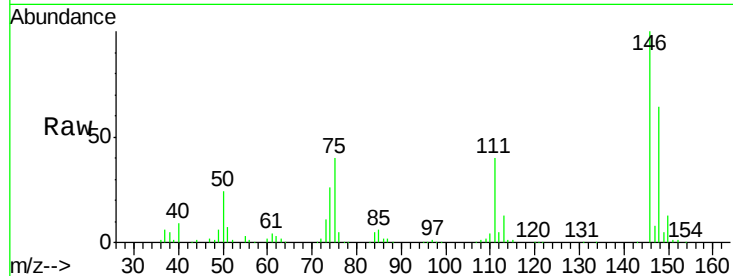




#13  
 1,4-Dichlorobenzene  
 Concen: 42.226 ng  
 RT: 8.14 min Scan# 859  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

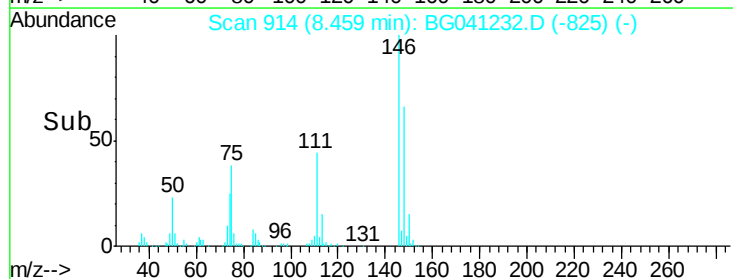
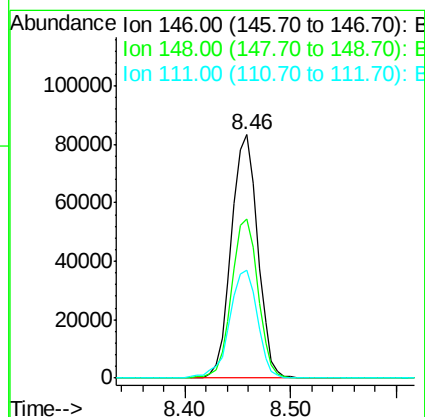
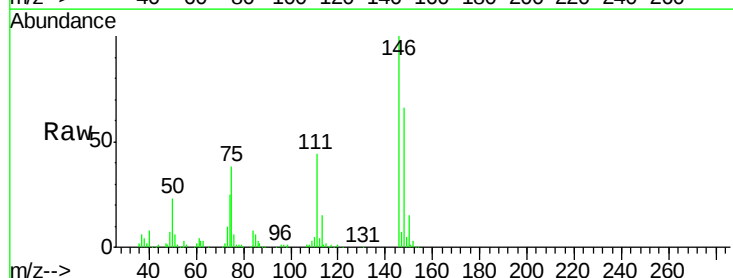
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:146 Resp: 153300  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 54.2 81.4  
 111 40.2 32.9 49.3



#14  
 1,2-Dichlorobenzene  
 Concen: 40.819 ng  
 RT: 8.46 min Scan# 914  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

Tgt Ion:146 Resp: 143887  
 Ion Ratio Lower Upper  
 146 100  
 148 65.6 49.8 74.6  
 111 44.2 35.0 52.4





#15

Benzyl Alcohol

Concen: 39.511 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

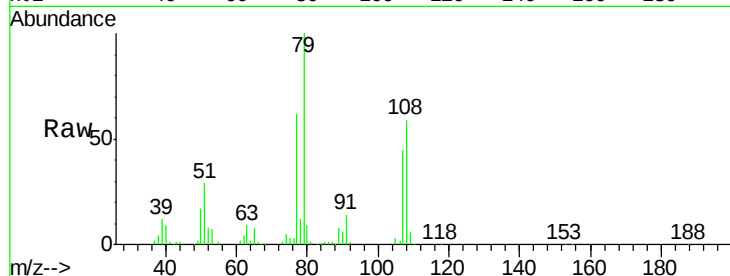
Tot Ion: 79 Resp: 142181

Ion Ratio Lower Upper

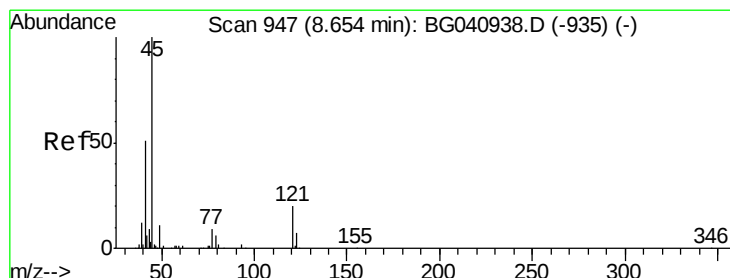
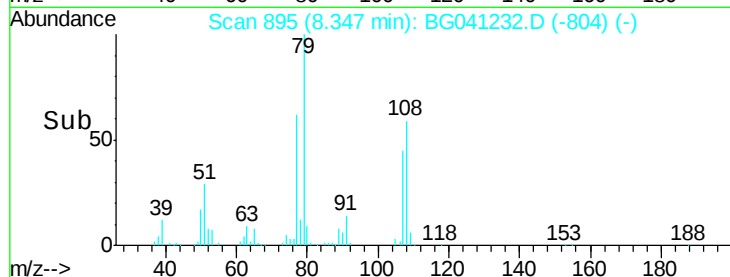
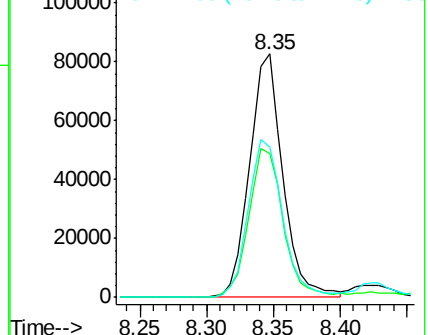
79 100

108 59.0 48.3 72.5

77 61.8 52.3 78.5



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.924 ng

RT: 8.62 min Scan# 942

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

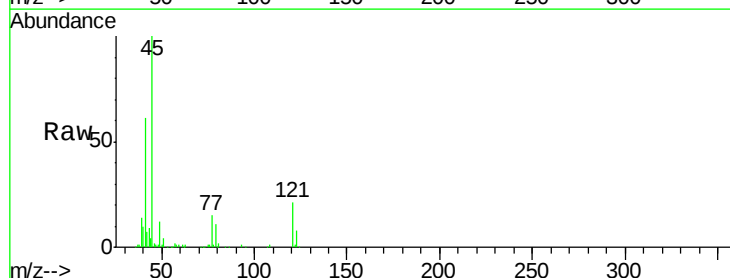
Tgt Ion: 45 Resp: 192459

Ion Ratio Lower Upper

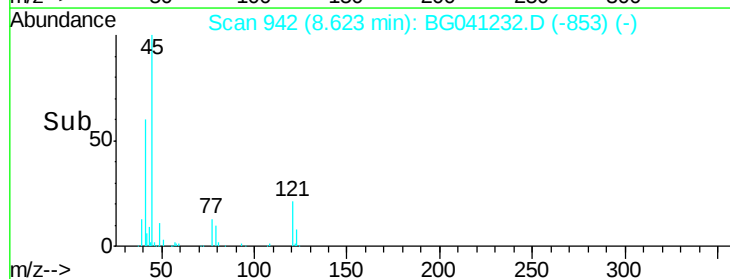
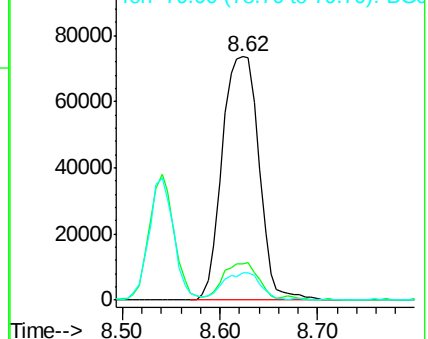
45 100

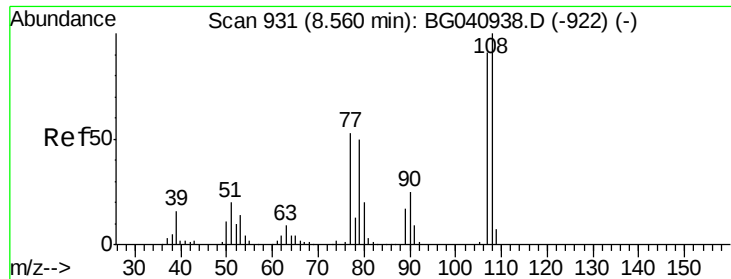
77 14.9 0.0 33.7

79 11.4 0.0 30.2



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

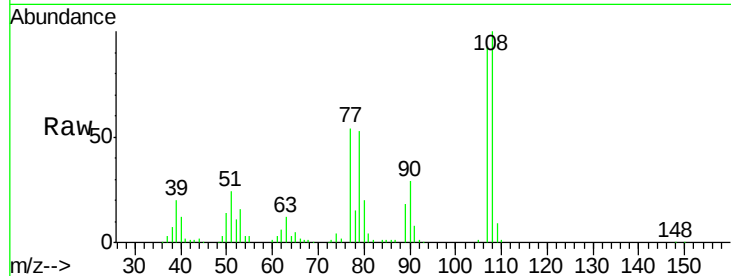




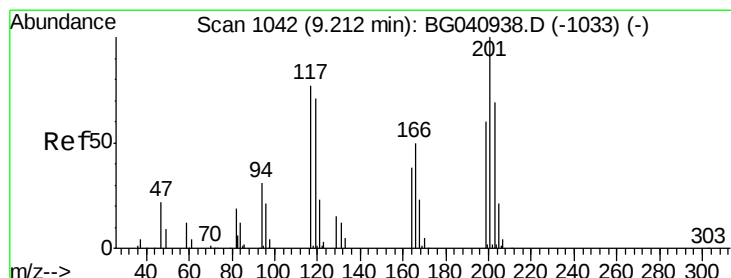
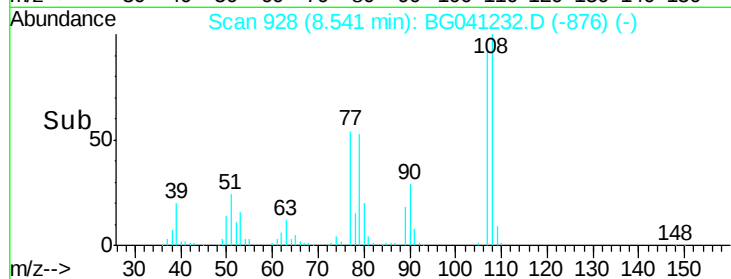
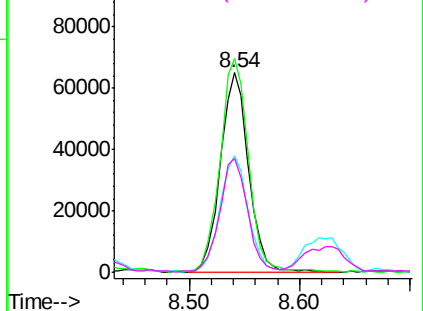
#17  
2-Methylphenol  
Concen: 38.346 ng  
RT: 8.54 min Scan# 928  
Delta R.T. 0.01 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 115807 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 107.0 | 87.7  | 131.5  |
| 77       | 58.2  | 46.6  | 70.0   |
| 79       | 56.9  | 44.6  | 66.8   |

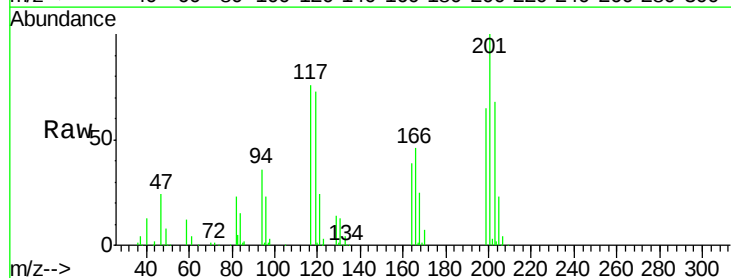


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

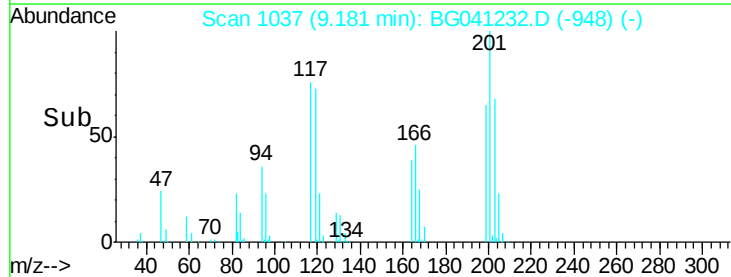
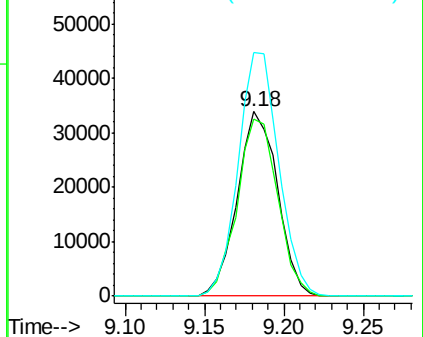


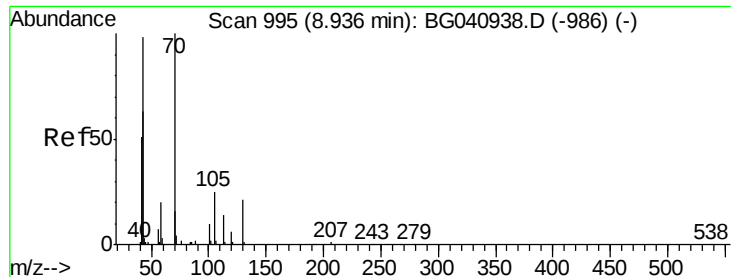
#18  
Hexachloroethane  
Concen: 42.728 ng  
RT: 9.18 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 59788 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.0  | 75.0  | 112.6 |
| 201      | 132.0 | 103.5 | 155.3 |



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

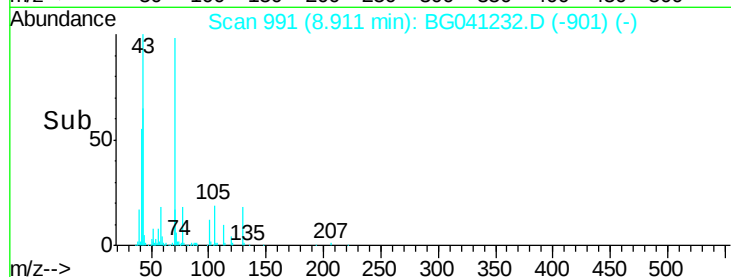
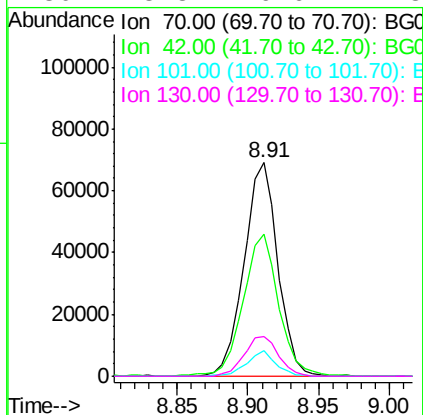
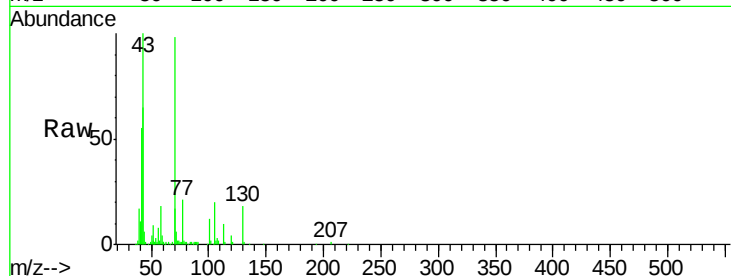




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.533 ng  
RT: 8.91 min Scan# 991  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

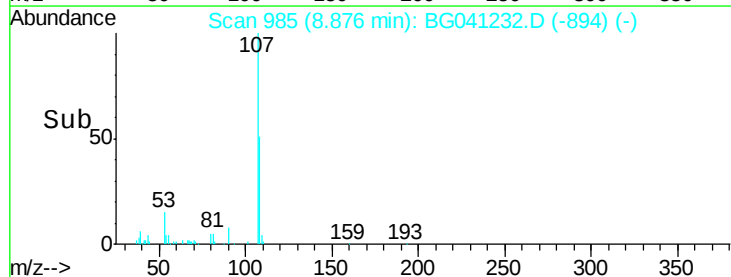
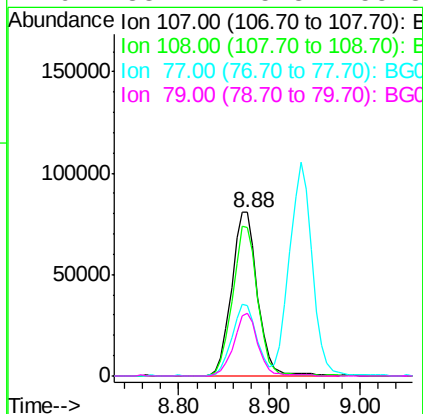
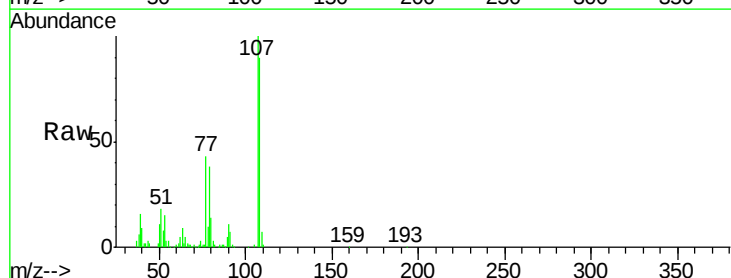
Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 115355 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.3  | 51.5  | 77.3   |
| 101      | 12.3  | 8.1   | 12.1#  |
| 130      | 18.8  | 16.6  | 24.8   |



#20  
3+4-Methylphenols  
Concen: 38.503 ng  
RT: 8.88 min Scan# 985  
Delta R.T. 0.01 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 161069 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 90.5  | 66.8  | 106.8  |
| 77       | 43.0  | 20.5  | 60.5   |
| 79       | 38.4  | 15.8  | 55.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 191359

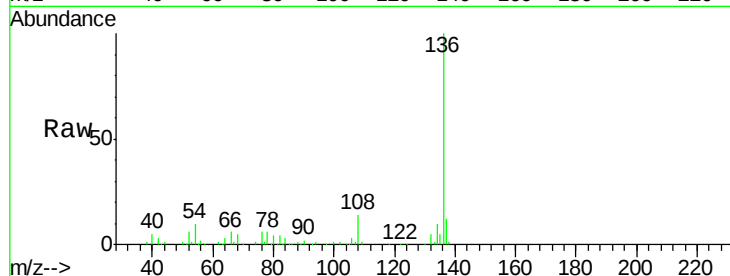
Ion Ratio Lower Upper

136 100

137 12.5 9.5 14.3

54 9.7 7.6 11.4

68 4.9 3.9 5.9

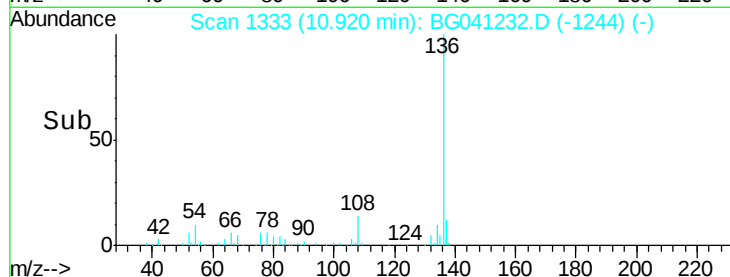


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

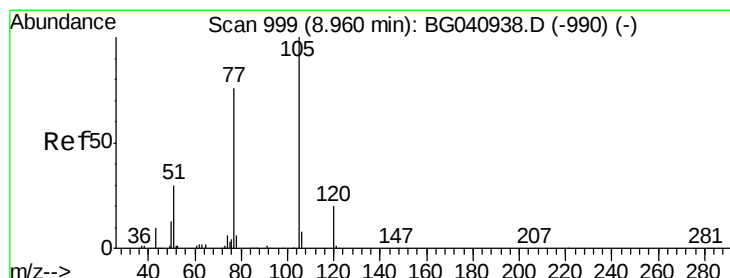
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

10.92



#22

Acetophenone

Concen: 40.344 ng

RT: 8.93 min Scan# 995

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Tgt Ion:105 Resp: 216563

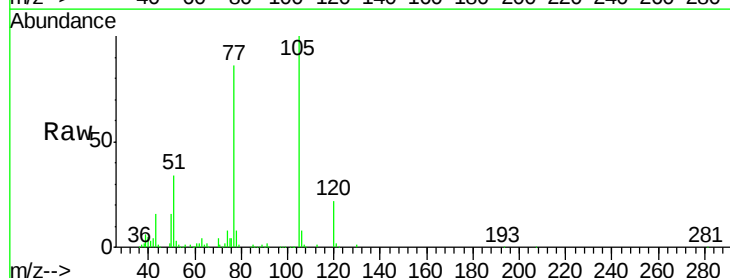
Ion Ratio Lower Upper

105 100

71 0.8 0.4 0.6#

51 33.7 27.0 40.6

120 22.3 16.2 24.4

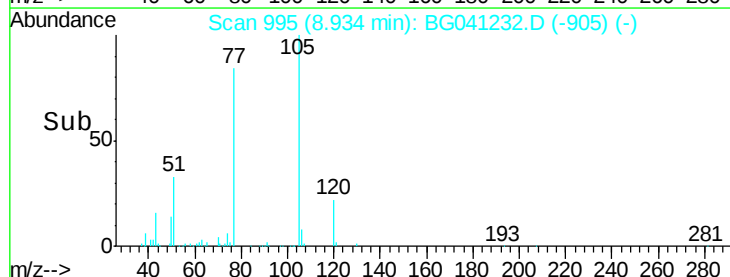


Abundance Ion 105.00 (104.70 to 105.70): E

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



Time-->

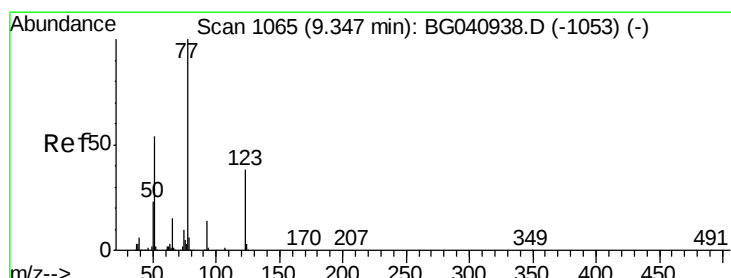
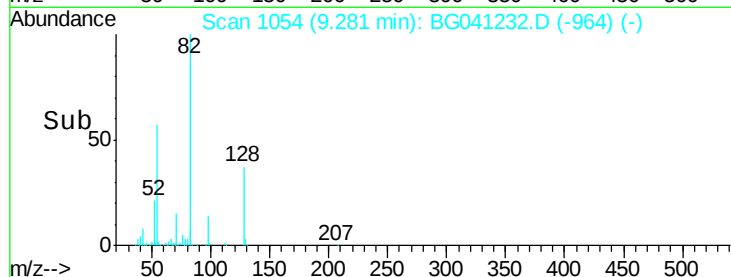
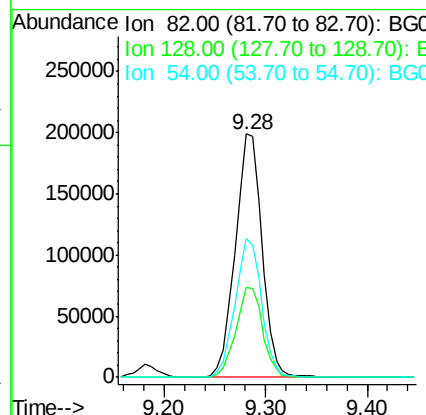
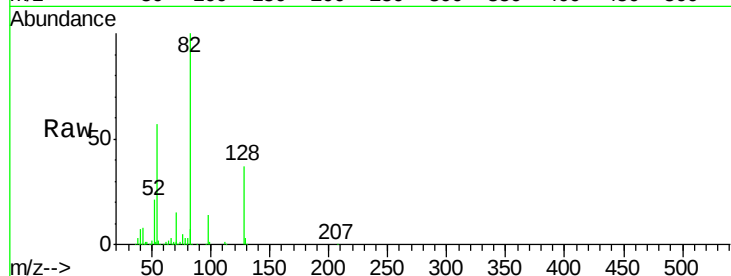
8.93



#23  
Nitrobenzene-d5  
Concen: 84.535 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

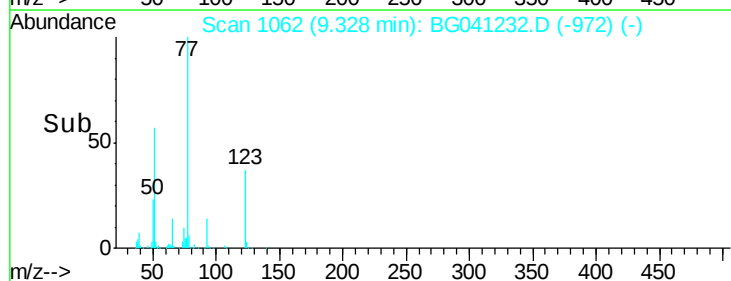
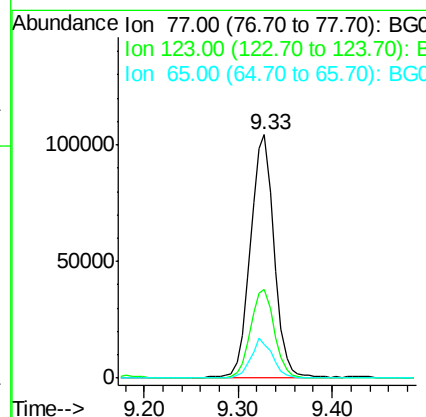
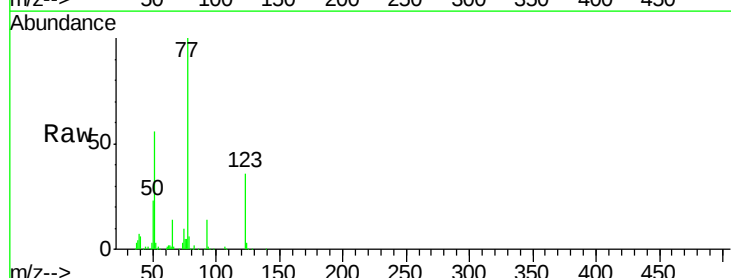
Instrument :  
BNA\_G  
ClientSampleId :

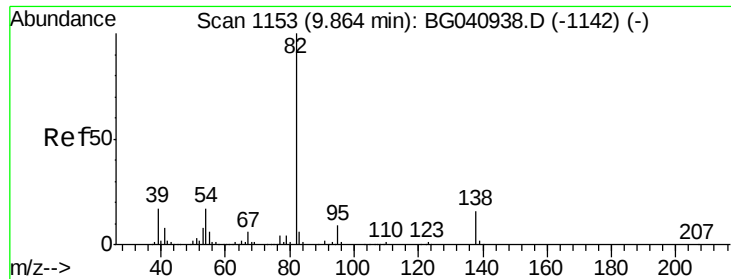
Tot Ion: 82 Resp: 364389  
Ion Ratio Lower Upper  
82 100  
128 36.9 30.5 45.7  
54 56.9 44.6 66.8



#24  
Nitrobenzene  
Concen: 41.731 ng  
RT: 9.33 min Scan# 1062  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion: 77 Resp: 183316  
Ion Ratio Lower Upper  
77 100  
123 36.5 30.6 46.0  
65 14.0 12.3 18.5





#25

Isophorone

Concen: 39.594 ng

RT: 9.84 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

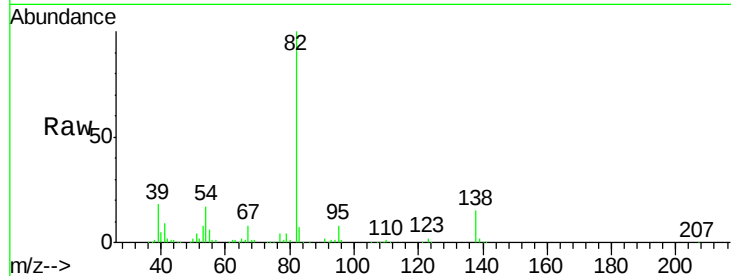
Tot Ion: 82 Resp: 324795

Ion Ratio Lower Upper

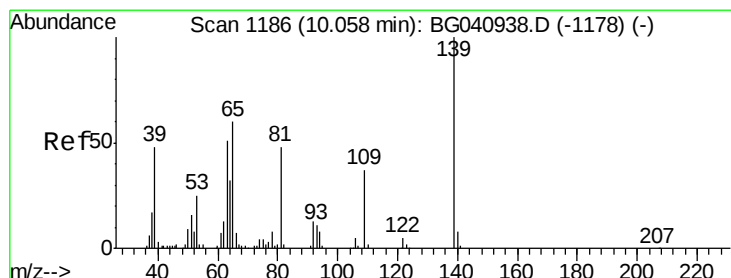
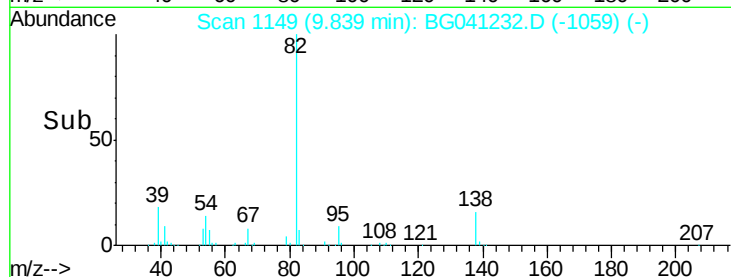
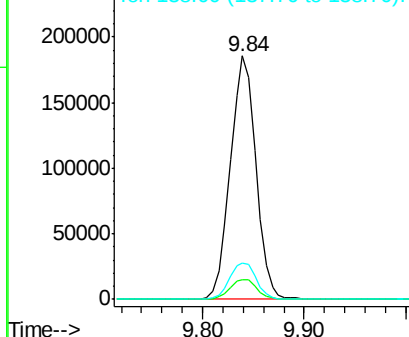
82 100

95 7.9 7.0 10.4

138 14.8 12.6 19.0



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: 42.228 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

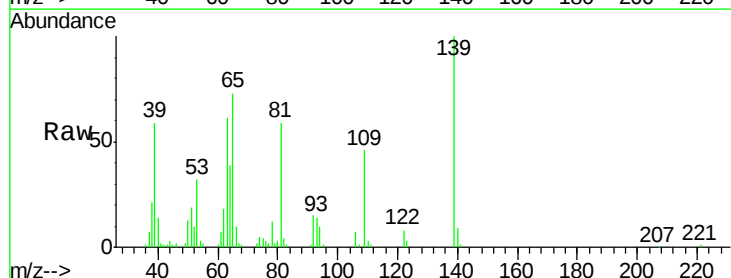
Tgt Ion: 139 Resp: 76471

Ion Ratio Lower Upper

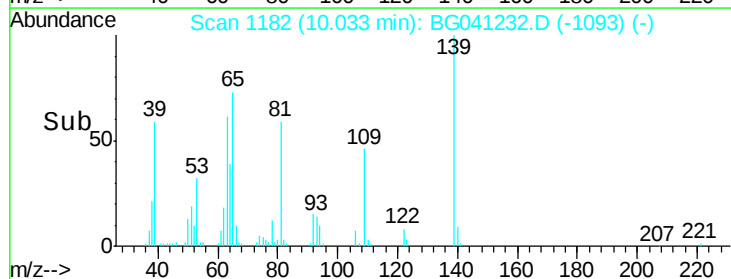
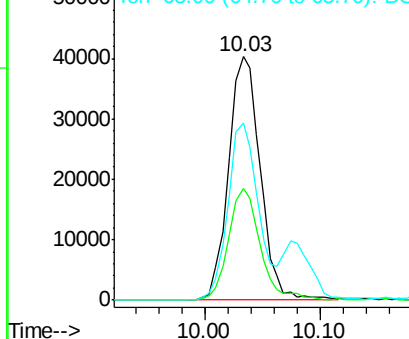
139 100

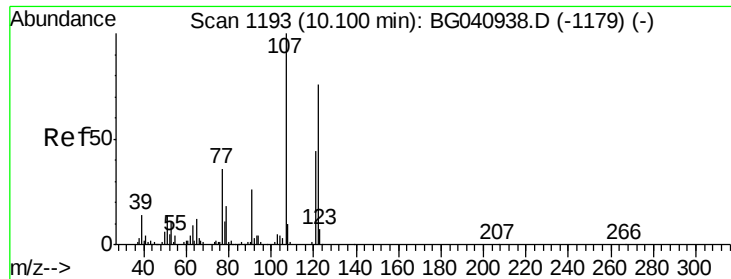
109 46.1 29.8 44.6#

65 72.6 47.8 71.6#



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

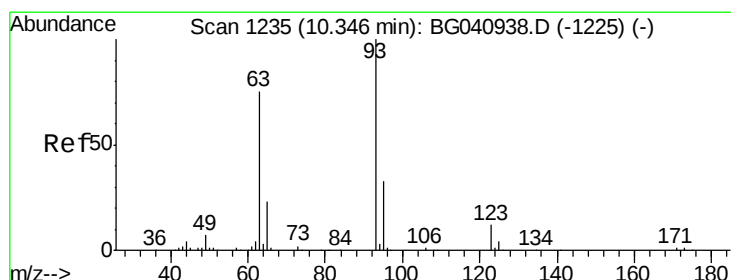
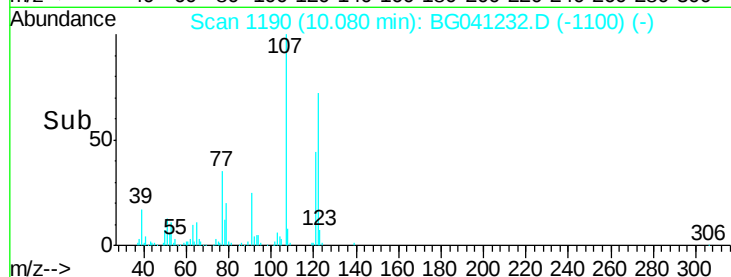
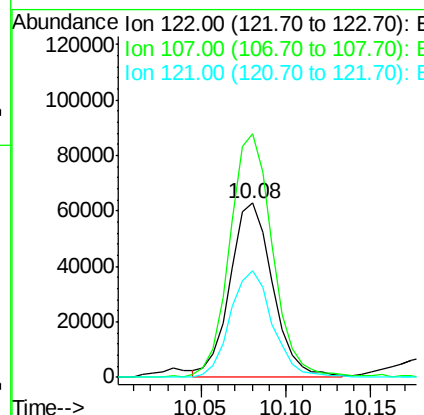
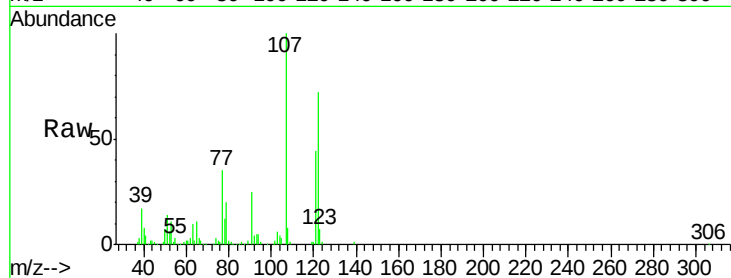




#27  
 2,4-Dimethylphenol  
 Concen: 36.748 ng  
 RT: 10.08 min Scan# 1190  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

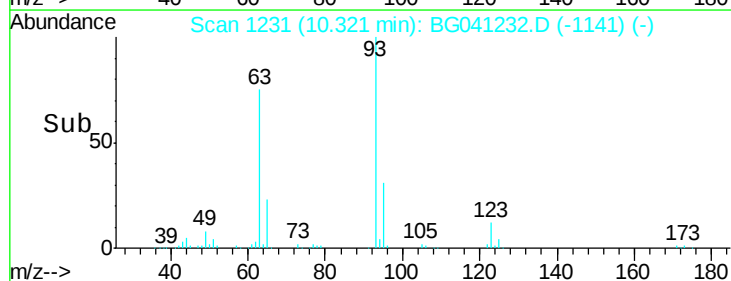
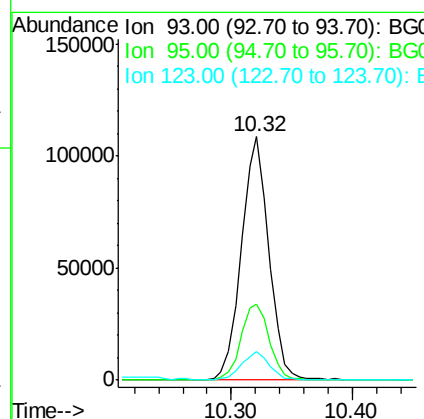
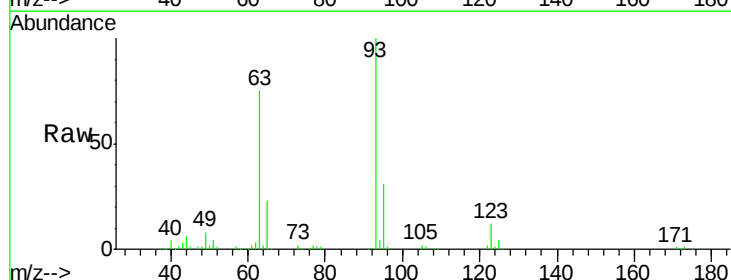
Instrument :  
 BNA\_G  
 ClientSampled :

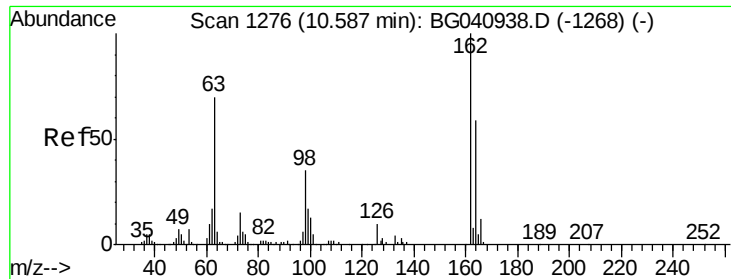
Tot Ion:122 Resp: 109908  
 Ion Ratio Lower Upper  
 122 100  
 107 139.6 105.9 158.9  
 121 61.3 46.2 69.4



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.881 ng  
 RT: 10.32 min Scan# 1231  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

Tgt Ion: 93 Resp: 172143  
 Ion Ratio Lower Upper  
 93 100  
 95 31.4 26.2 39.2  
 123 11.7 9.5 14.3

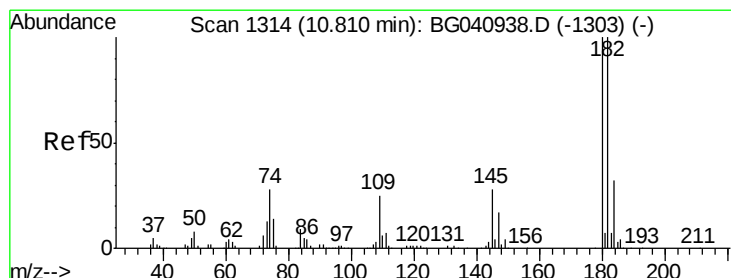
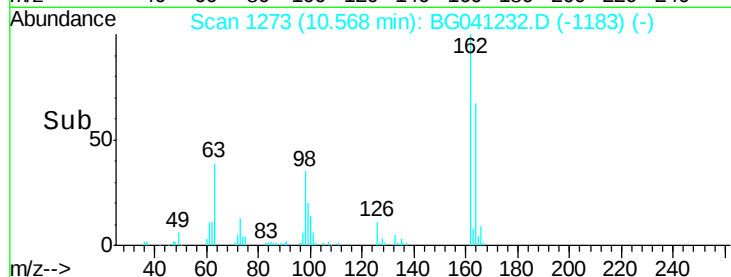
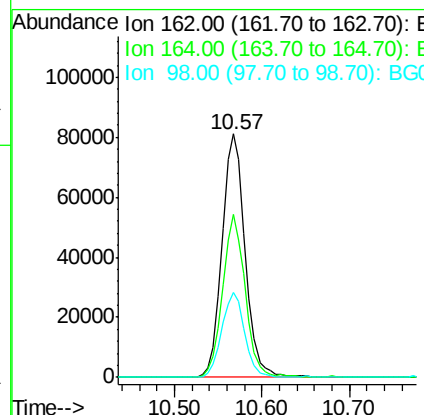
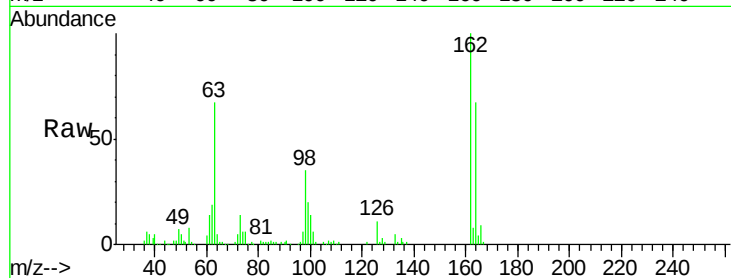




#29  
 2,4-Dichlorophenol  
 Concen: 39.037 ng  
 RT: 10.57 min Scan# 1273  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

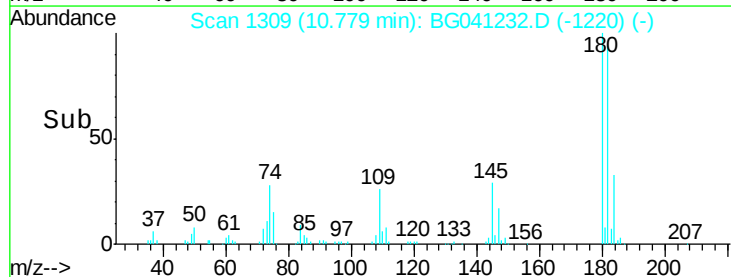
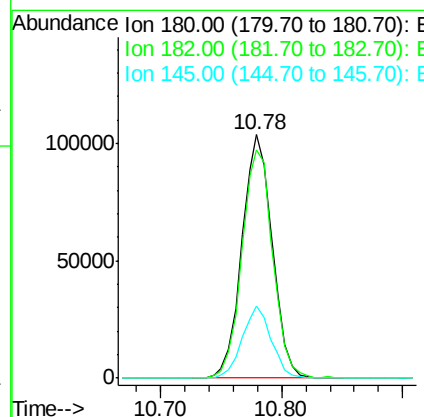
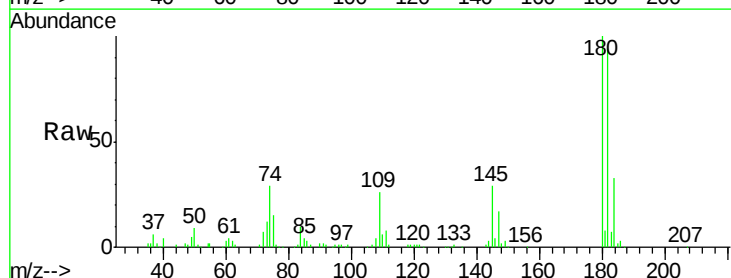
Instrument :  
 BNA\_G  
 ClientSampleId :

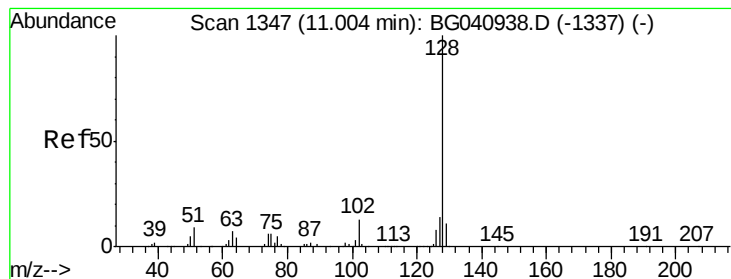
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.8  | 39.4  | 79.4  |
| 98      | 34.7  | 15.3  | 55.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.838 ng  
 RT: 10.78 min Scan# 1309  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.7  | 79.7  | 119.5 |
| 145     | 29.4  | 22.6  | 34.0  |





#31

Naphthalene

Concen: 40.718 ng

RT: 10.97 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

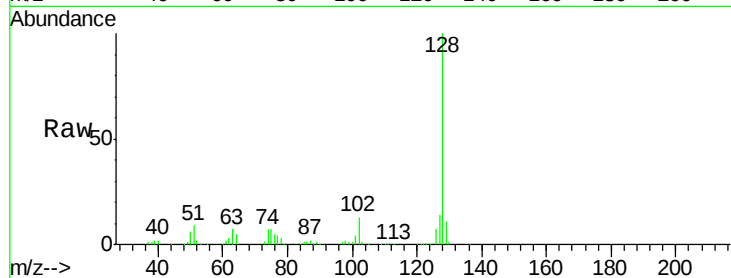
Tot Ion:128 Resp: 418350

Ion Ratio Lower Upper

128 100

129 11.3 8.5 12.7

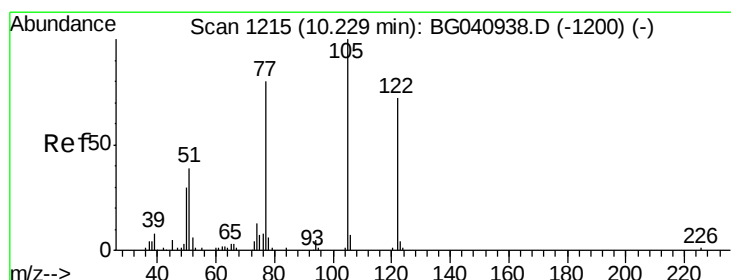
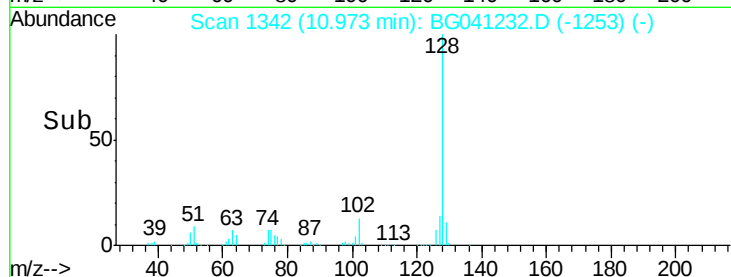
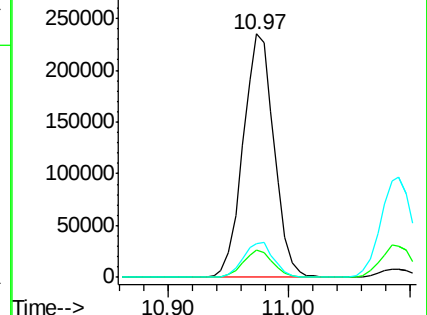
127 13.8 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 33.791 ng

RT: 10.23 min Scan# 1215

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

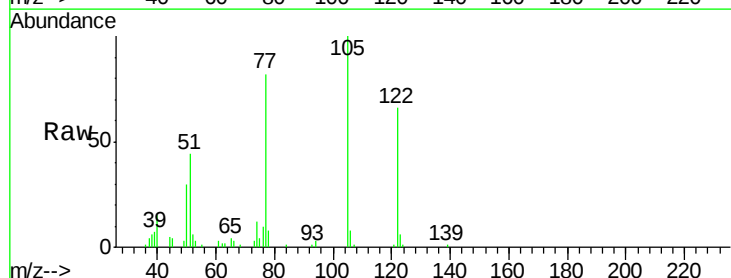
Tgt Ion:122 Resp: 71845

Ion Ratio Lower Upper

122 100

105 151.3 114.8 154.8

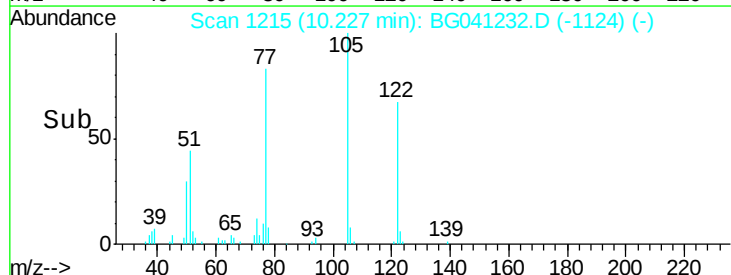
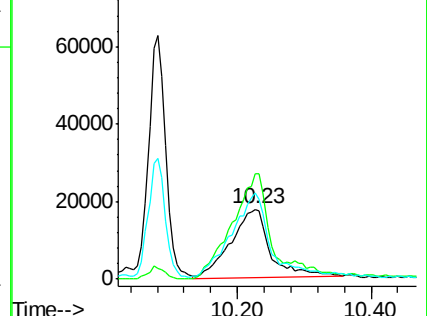
77 124.0 89.9 129.9

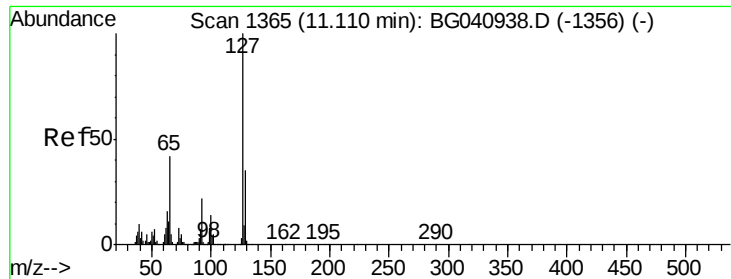


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

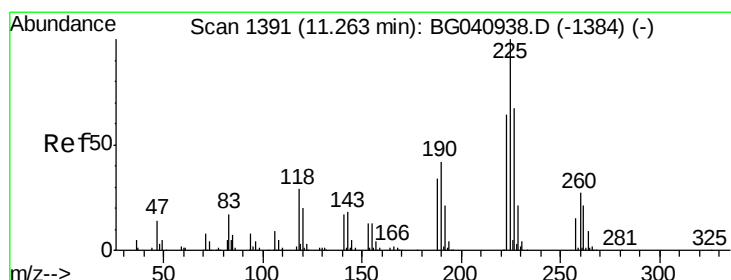
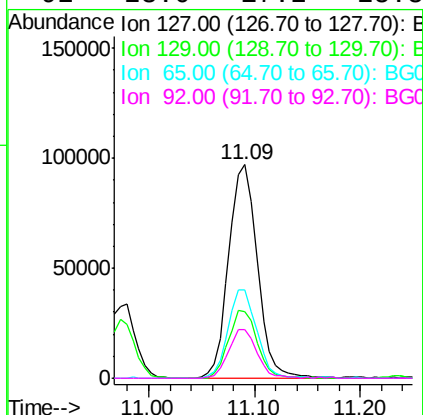
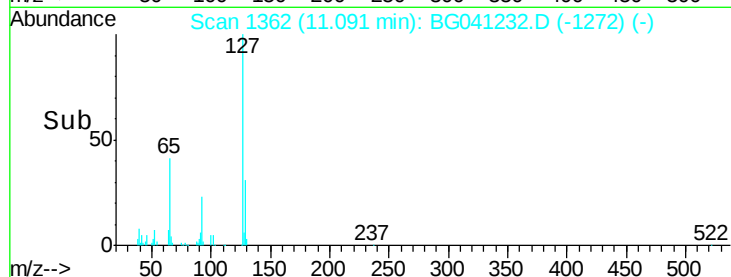
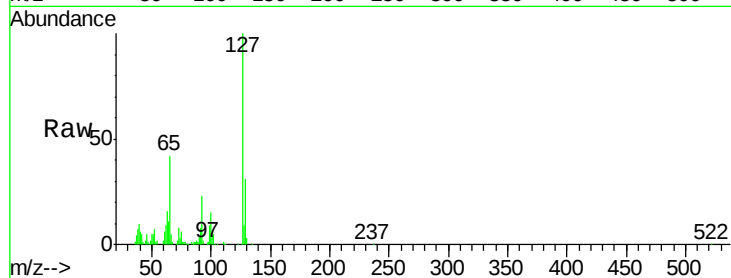




#33  
4-Chloroaniline  
Concen: 38.558 ng  
RT: 11.09 min Scan# 1362  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

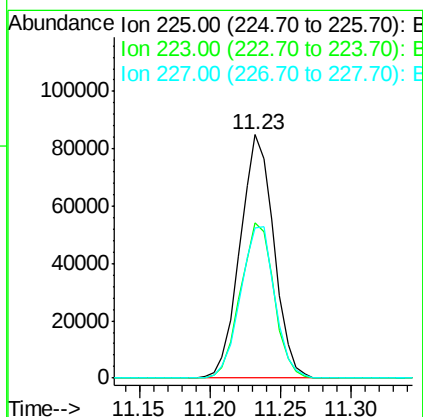
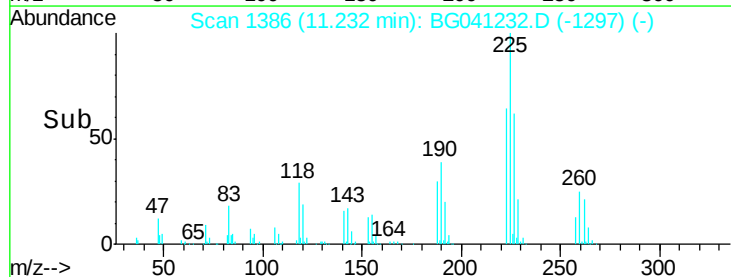
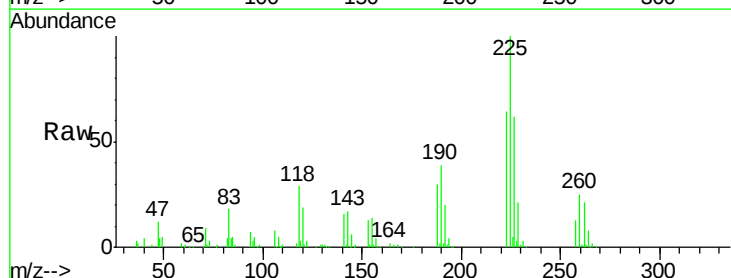
Instrument :  
BNA\_G  
ClientSampled :

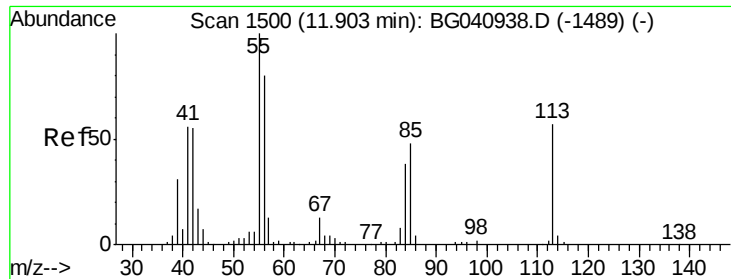
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 30.9  | 27.7  | 41.5  |
| 65      | 41.5  | 33.2  | 49.8  |
| 92      | 23.0  | 17.2  | 25.8  |



#34  
Hexachlorobutadiene  
Concen: 42.919 ng  
RT: 11.23 min Scan# 1386  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.8  | 48.8  | 73.2  |
| 227     | 61.6  | 51.4  | 77.0  |





#35

Caprolactam

Concen: 36.882 ng

RT: 11.90 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampled :

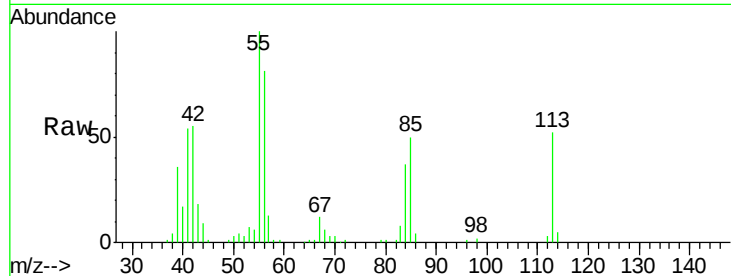
Tot Ion:113 Resp: 46258

Ion Ratio Lower Upper

113 100

55 191.5 155.9 195.9

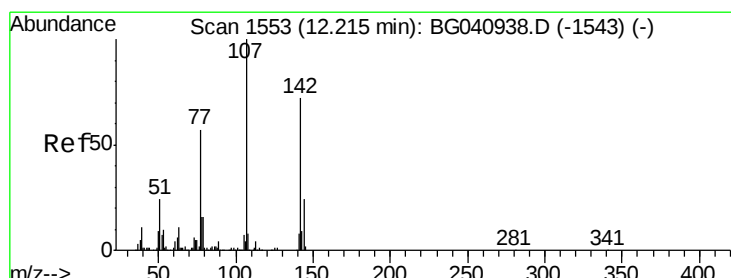
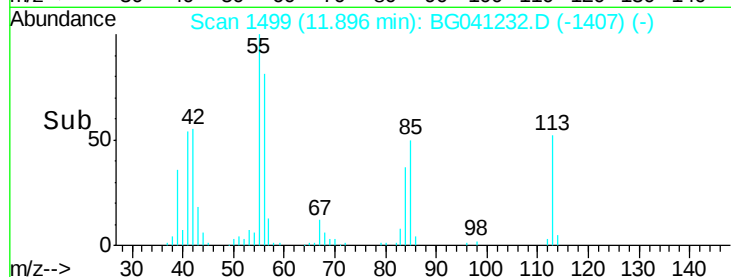
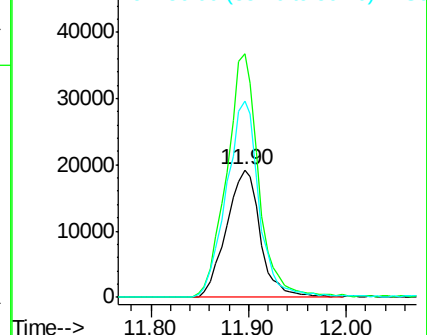
56 154.5 119.9 159.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 37.067 ng

RT: 12.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

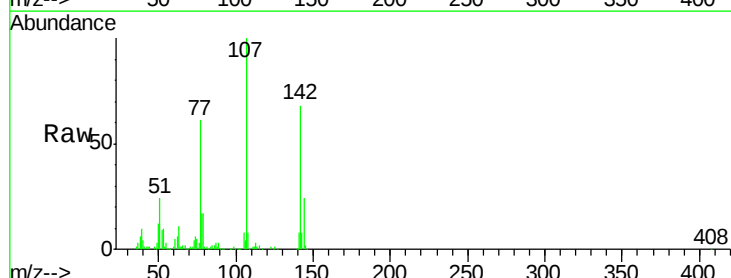
Tgt Ion:107 Resp: 160779

Ion Ratio Lower Upper

107 100

144 24.3 19.4 29.0

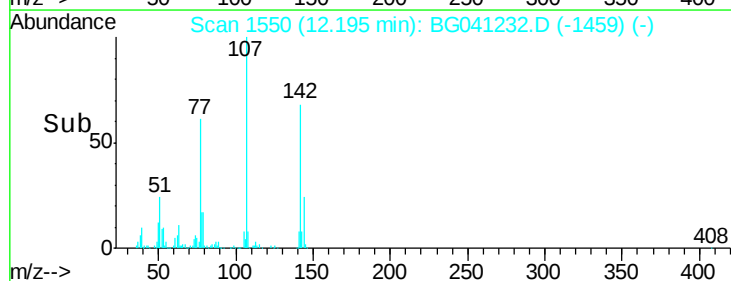
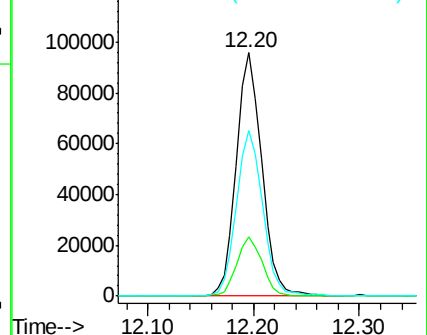
142 68.2 57.3 85.9

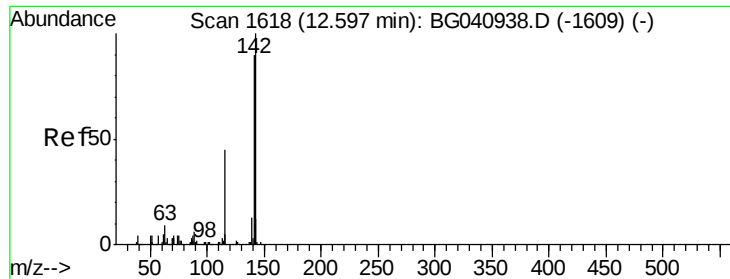


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 39.820 ng

RT: 12.57 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

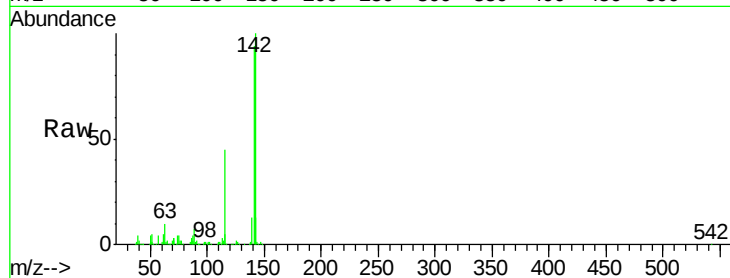
Tot Ion:142 Resp: 315096

Ion Ratio Lower Upper

142 100

141 94.1 72.2 108.4

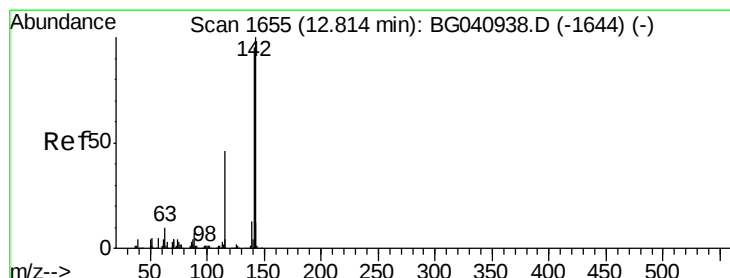
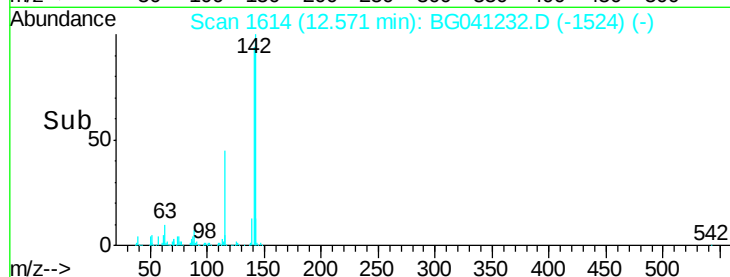
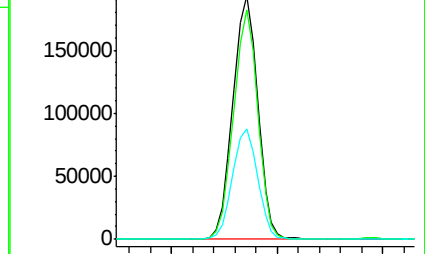
115 45.3 36.2 54.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.257 ng

RT: 12.57 min Scan# 1614

Delta R.T. -0.22 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

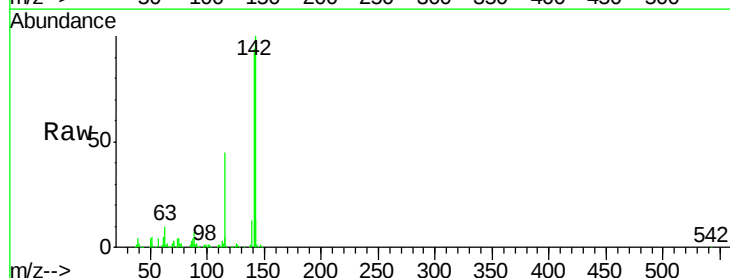
Tgt Ion:142 Resp: 315096

Ion Ratio Lower Upper

142 100

141 94.1 75.7 113.5

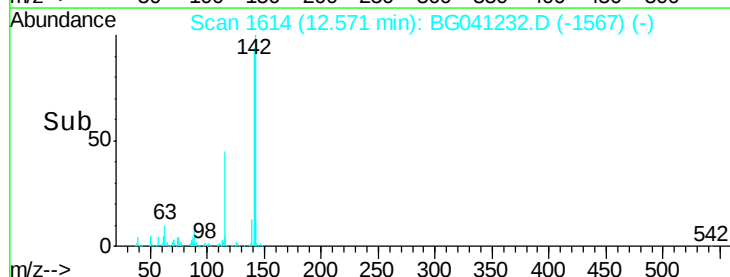
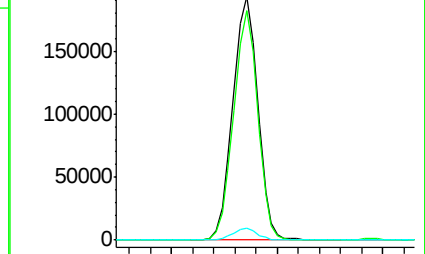
116 4.7 3.4 5.2

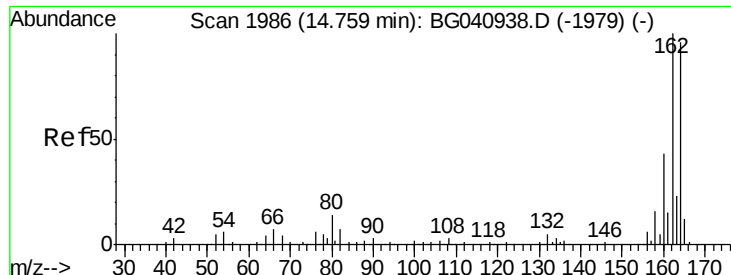


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

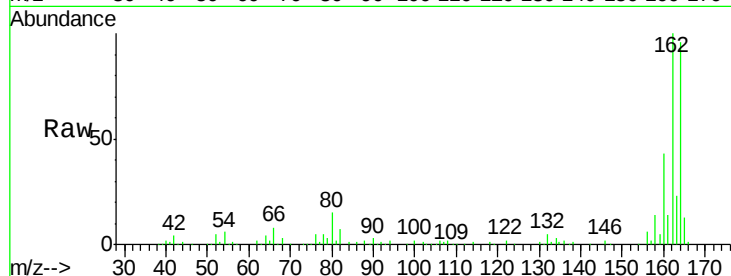
Tot Ion:164 Resp: 136877

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.4

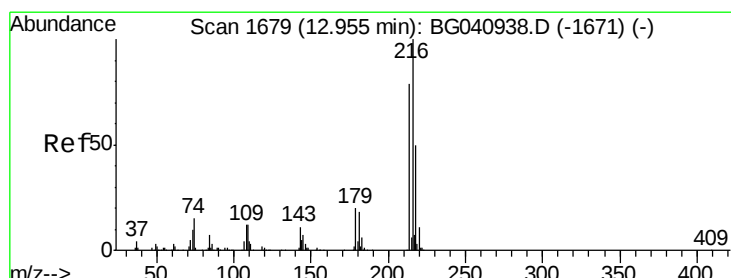
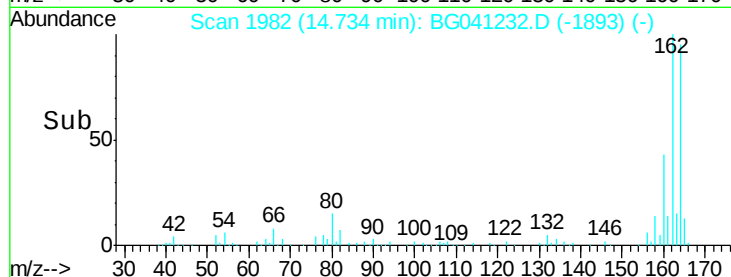
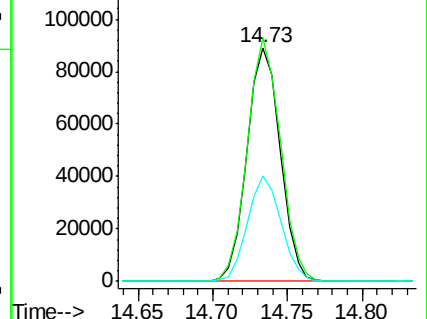
160 45.0 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.893 ng

RT: 12.93 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Tgt Ion:216 Resp: 236635

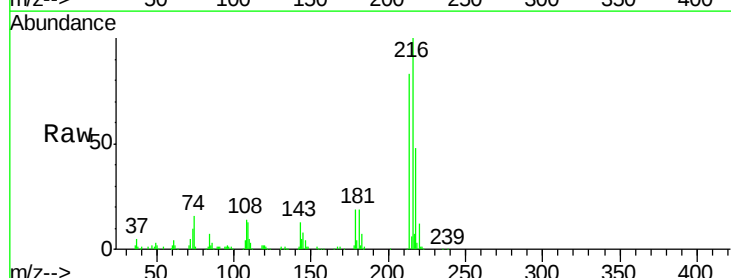
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 19.2 15.2 22.8

108 15.3 11.4 17.2

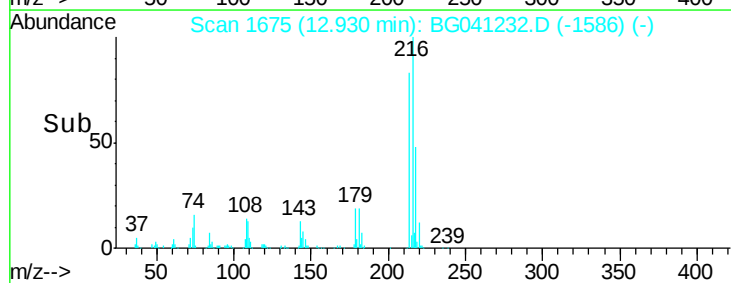
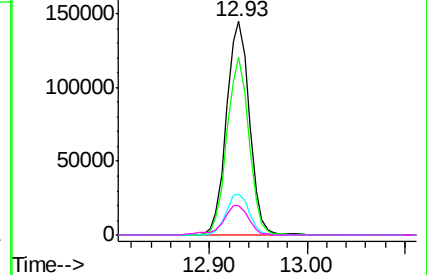


Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 40.135 ng

RT: 12.89 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

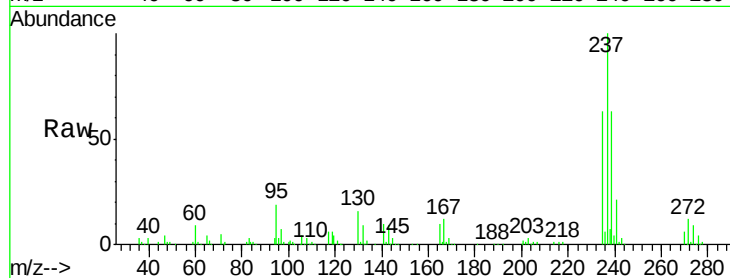
Tot Ion:237 Resp: 105458

Ion Ratio Lower Upper

237 100

235 62.8 45.5 85.5

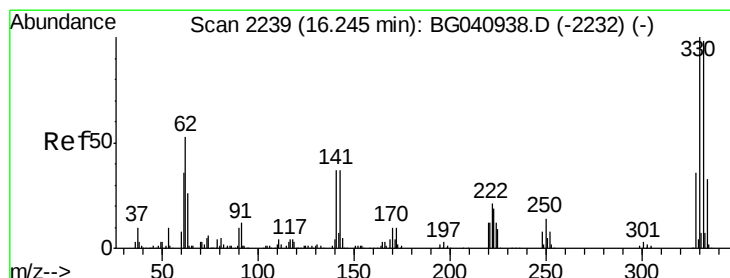
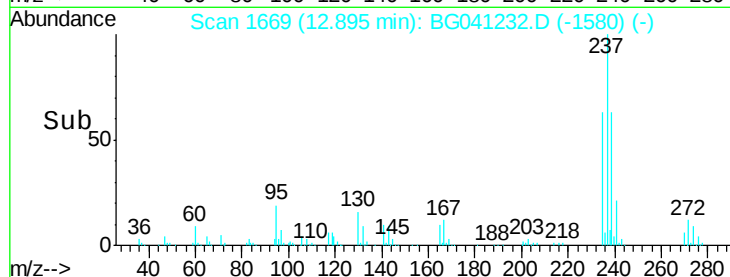
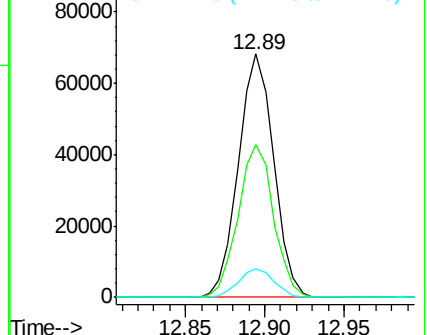
272 11.9 0.0 32.9



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



#42

2,4,6-Tribromophenol

Concen: 78.343 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

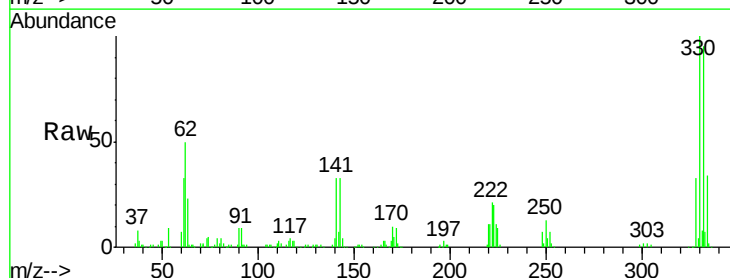
Tgt Ion:330 Resp: 159195

Ion Ratio Lower Upper

330 100

332 95.5 78.5 117.7

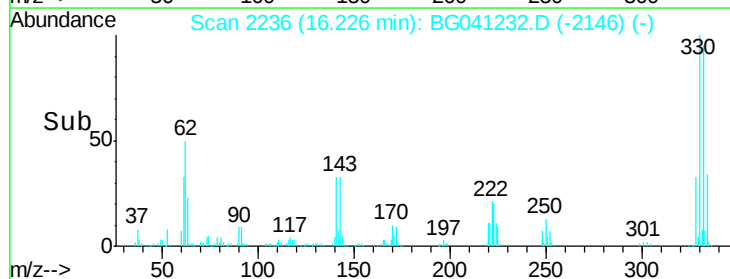
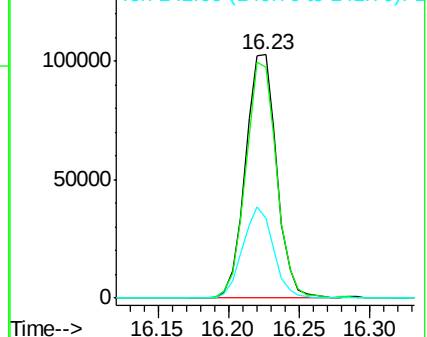
141 36.7 28.7 43.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

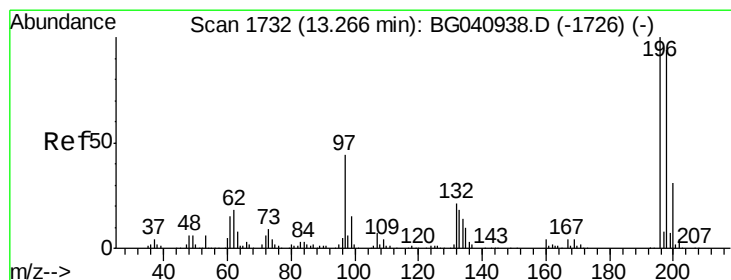
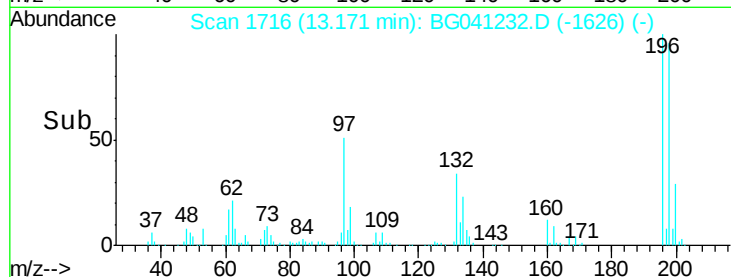
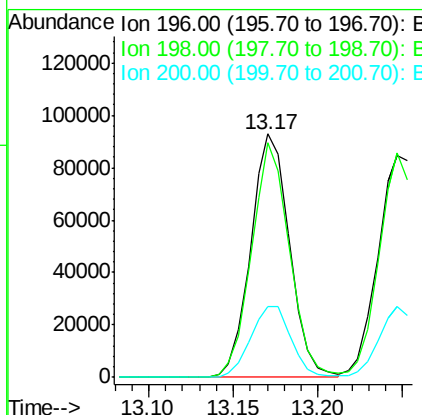
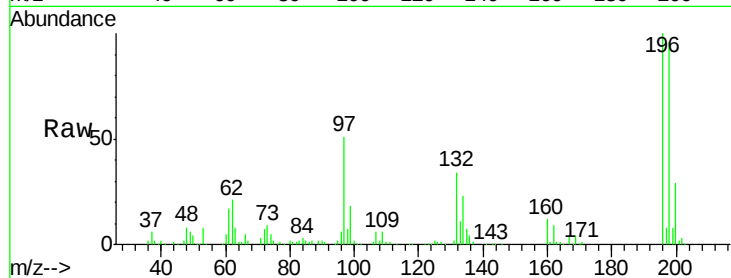




#43  
 2,4,6-Trichlorophenol  
 Concen: 41.597 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

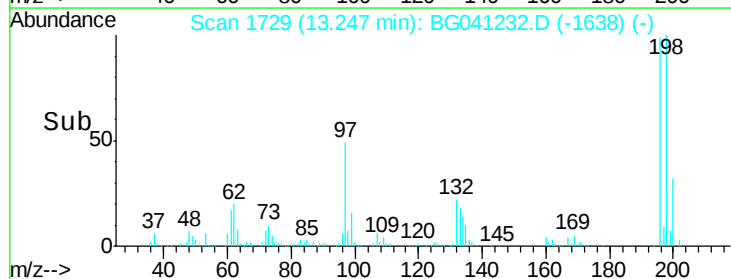
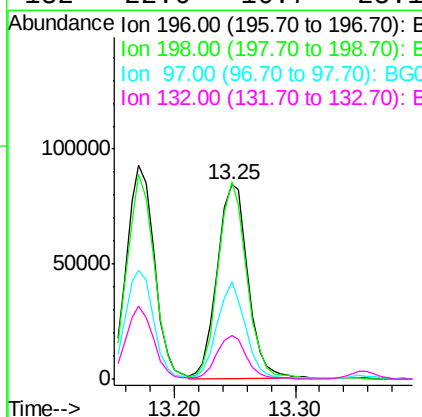
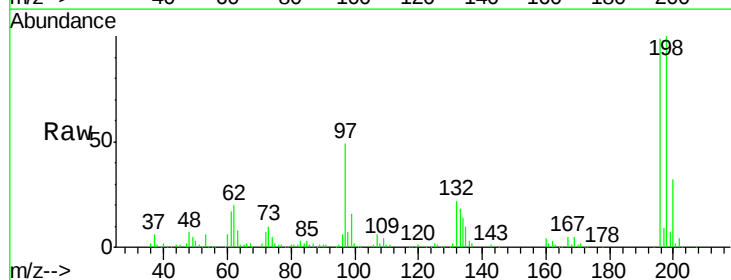
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 148457  
 Ion Ratio Lower Upper  
 196 100  
 198 96.1 73.8 110.6  
 200 29.3 24.1 36.1



#44  
 2,4,5-Trichlorophenol  
 Concen: 39.376 ng  
 RT: 13.25 min Scan# 1729  
 Delta R.T. 0.01 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

Tgt Ion:196 Resp: 148209  
 Ion Ratio Lower Upper  
 196 100  
 198 101.2 75.1 112.7  
 97 49.7 35.6 53.4  
 132 22.6 16.7 25.1

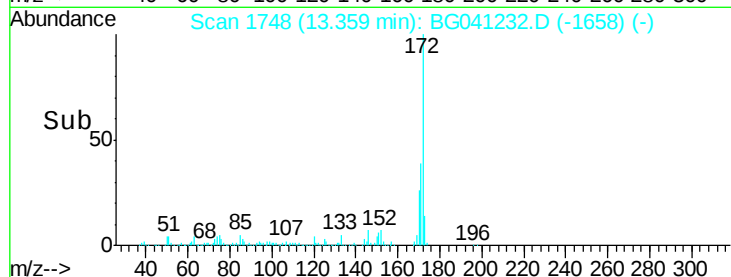
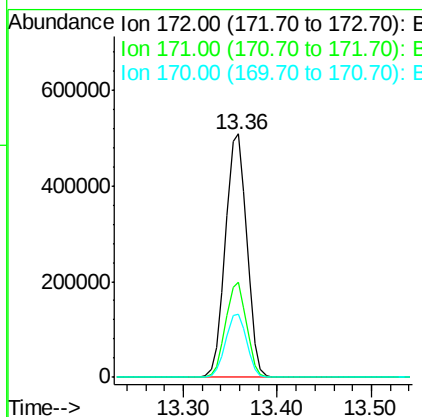
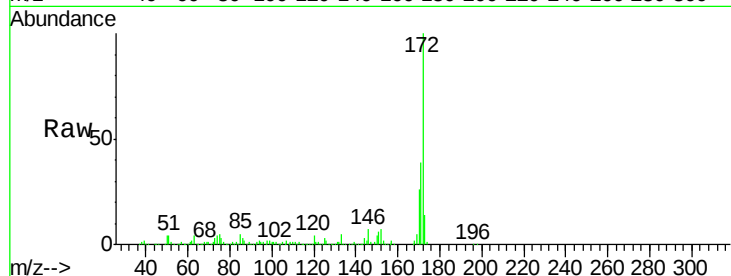




#45  
2-Fluorobiphenyl  
Concen: 84.960 ng  
RT: 13.36 min Scan# 1748  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

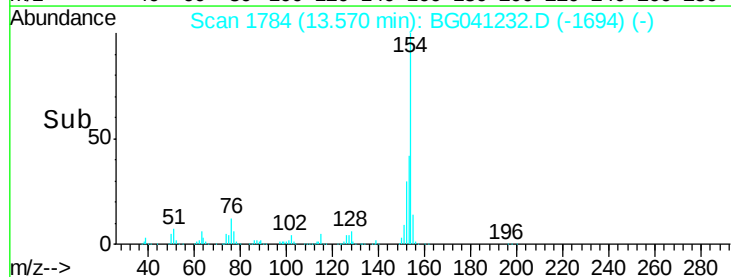
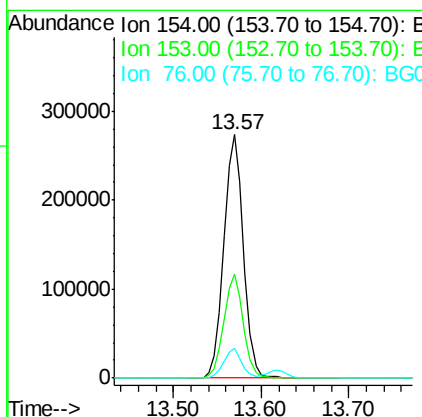
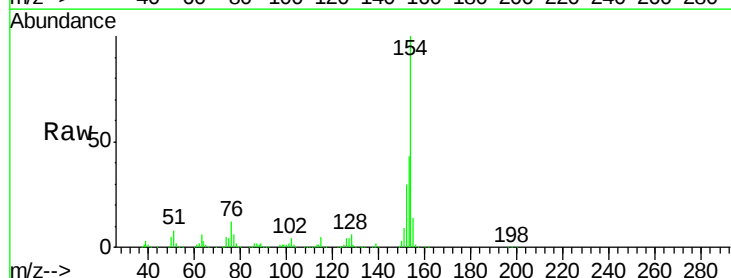
Instrument :  
BNA\_G  
ClientSampleId :

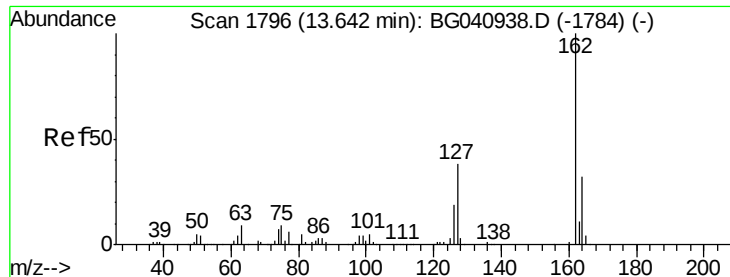
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.0  | 31.1  | 46.7  |
| 170     | 25.8  | 20.5  | 30.7  |



#46  
1,1'-Biphenyl  
Concen: 41.410 ng  
RT: 13.57 min Scan# 1784  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.5  | 23.3  | 63.3  |
| 76      | 12.1  | 0.0   | 31.1  |

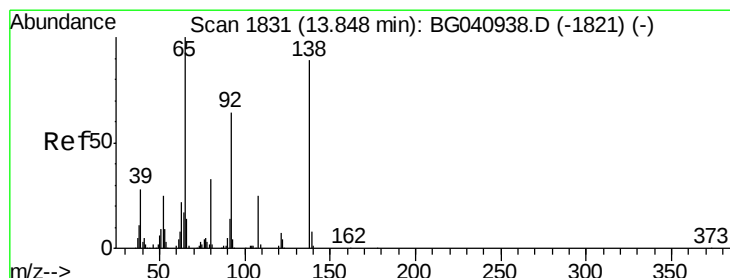
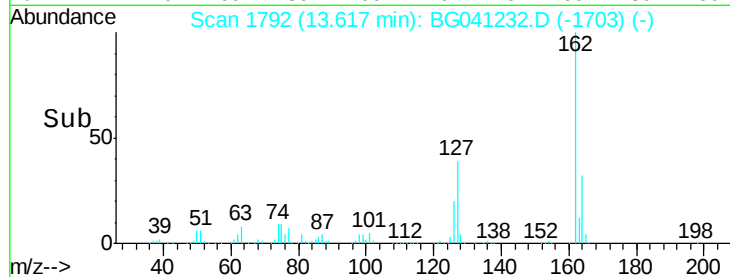
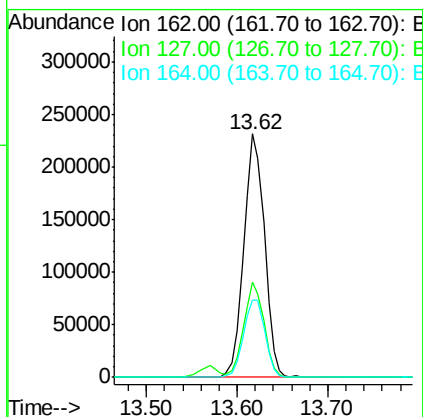
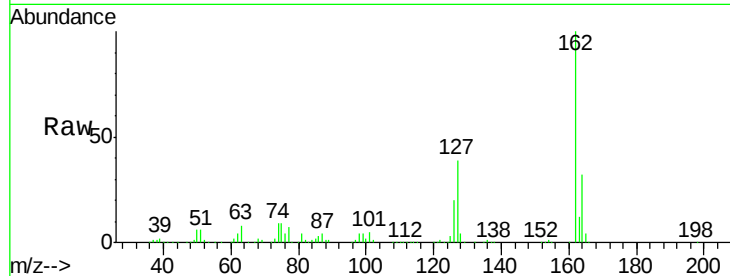




#47  
 2-Chloronaphthalene  
 Concen: 42.053 ng  
 RT: 13.62 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

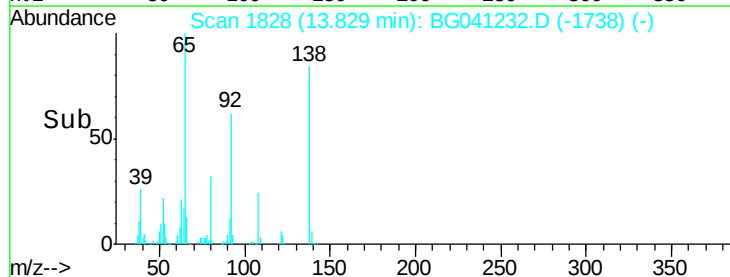
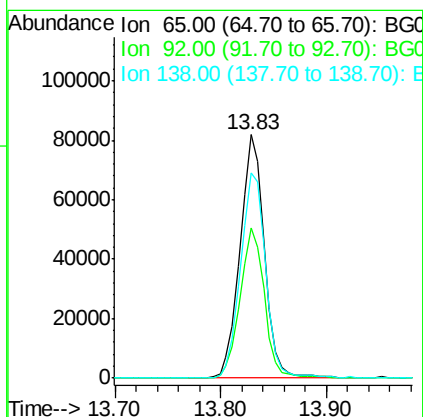
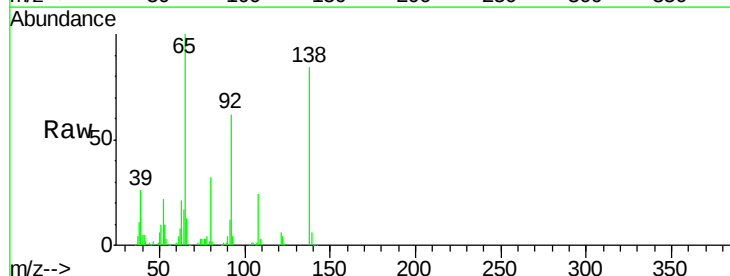
Instrument :  
 BNA\_G  
 ClientSampleId :

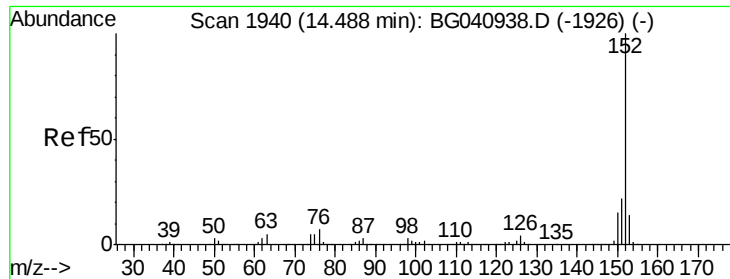
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.1  | 30.5  | 45.7  |
| 164     | 32.0  | 25.8  | 38.6  |



#48  
 2-Nitroaniline  
 Concen: 41.766 ng  
 RT: 13.83 min Scan# 1828  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 61.7  | 51.0  | 76.6  |
| 138     | 84.0  | 71.2  | 106.8 |





#49

Acenaphthylene

Concen: 40.758 ng

RT: 14.46 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

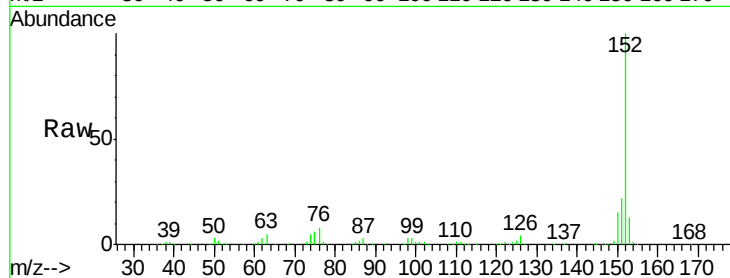
Tot Ion:152 Resp: 533574

Ion Ratio Lower Upper

152 100

151 21.5 17.4 26.0

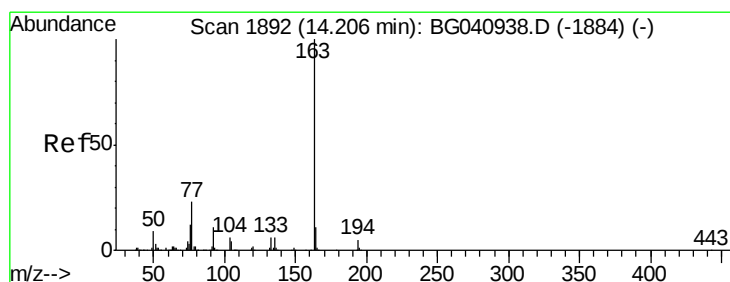
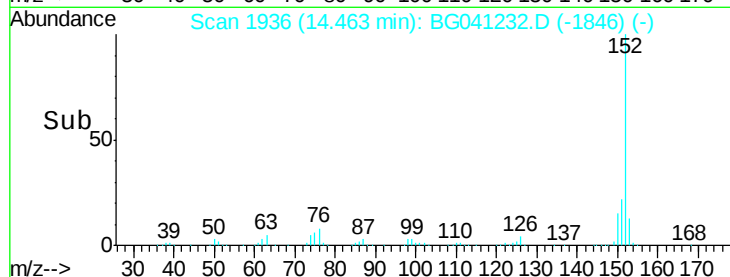
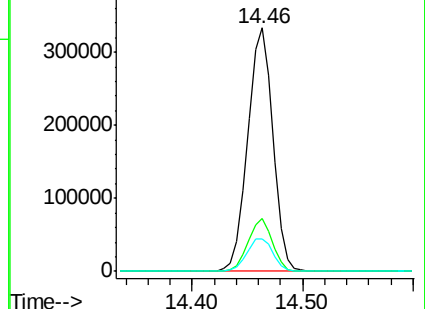
153 13.2 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 39.713 ng

RT: 14.19 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

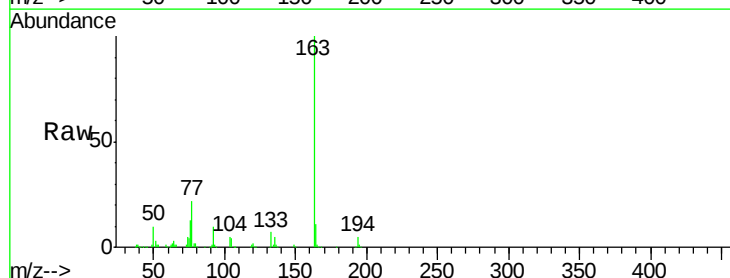
Tgt Ion:163 Resp: 460145

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

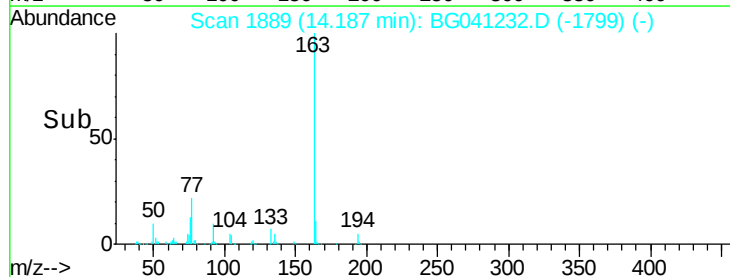
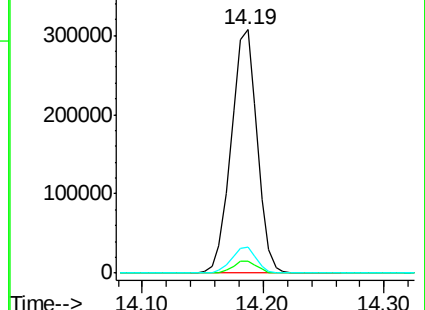
164 10.6 8.7 13.1



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





#51

2,6-Dinitrotoluene

Concen: 39.885 ng

RT: 14.32 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

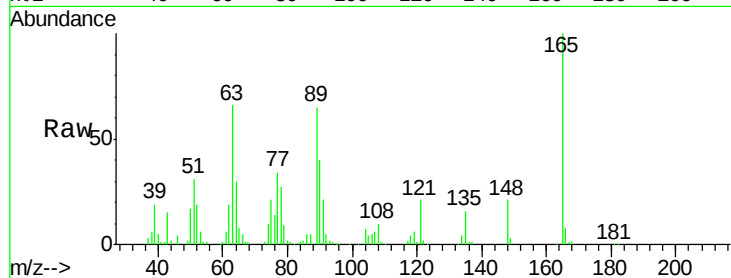
Tot Ion:165 Resp: 99640

Ion Ratio Lower Upper

165 100

63 66.1 53.6 80.4

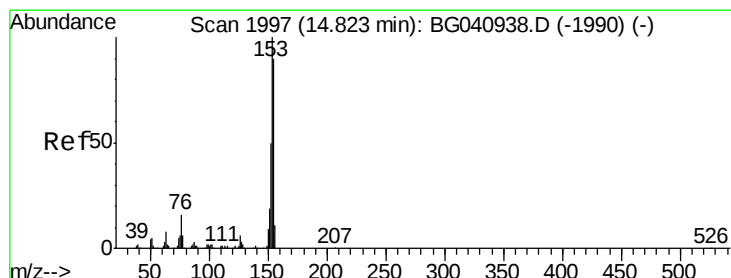
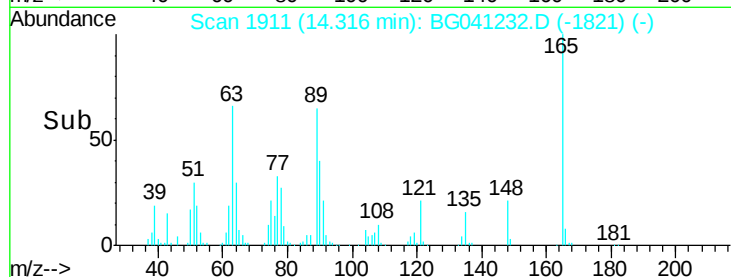
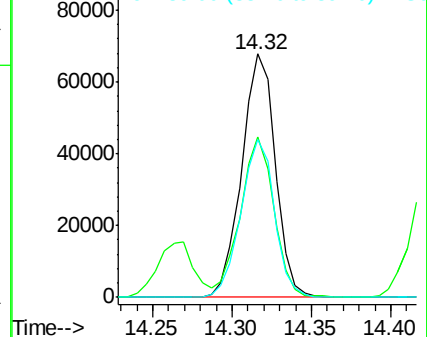
89 64.7 50.4 75.6



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



#52

Acenaphthene

Concen: 39.507 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

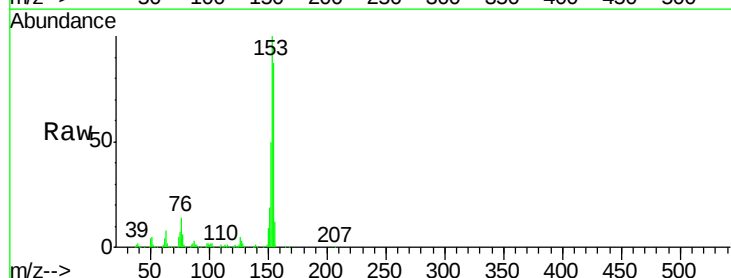
Tgt Ion:154 Resp: 313315

Ion Ratio Lower Upper

154 100

153 114.4 88.6 133.0

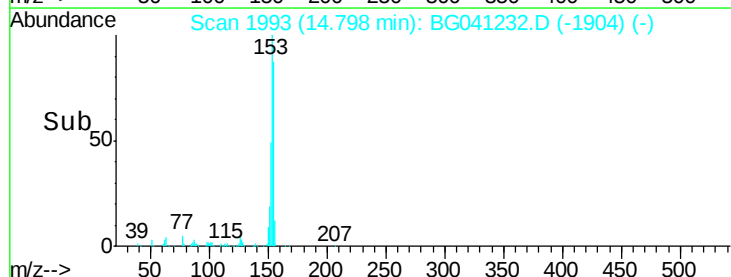
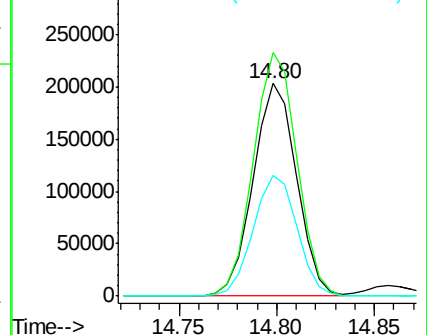
152 56.9 44.2 66.4



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





#53

3-Nitroaniline

Concen: 39.401 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

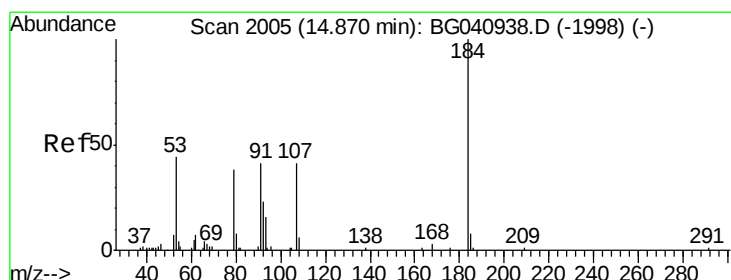
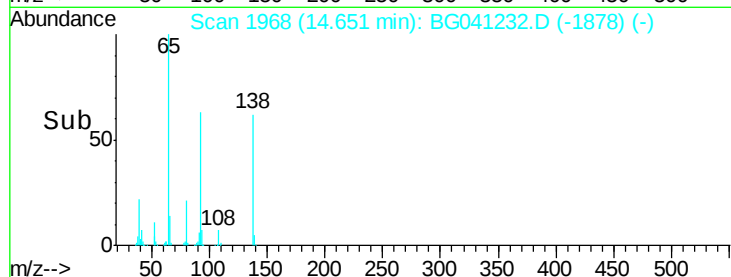
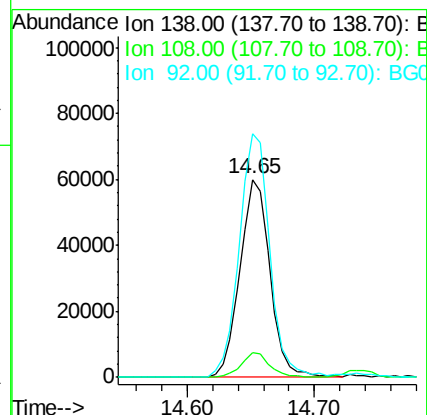
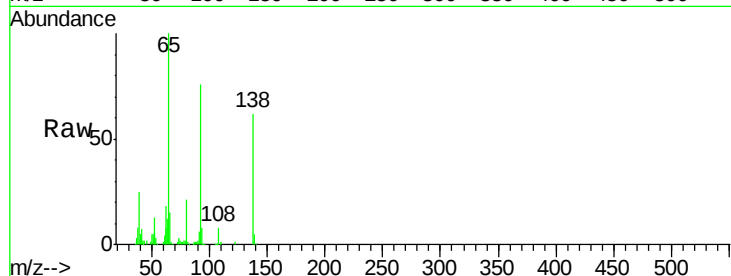
Tot Ion:138 Resp: 98428

Ion Ratio Lower Upper

138 100

108 12.2 8.5 12.7

92 123.0 99.0 148.6



#54

2,4-Dinitrophenol

Concen: 36.115 ng

RT: 14.86 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

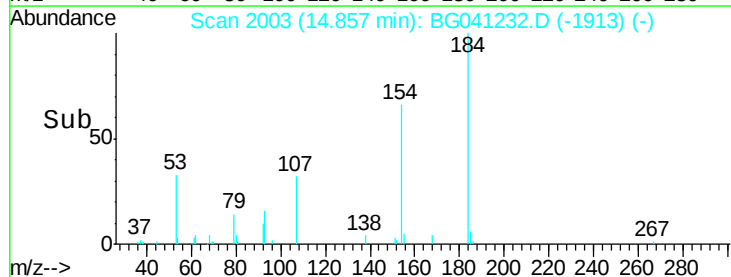
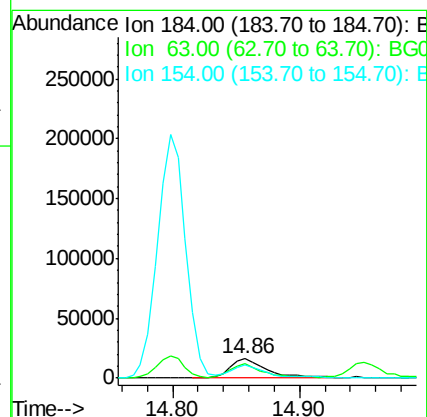
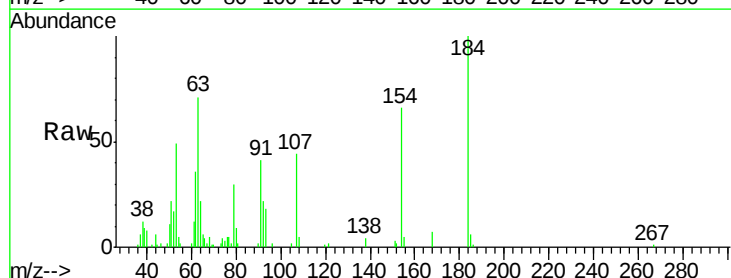
Tgt Ion:184 Resp: 33170

Ion Ratio Lower Upper

184 100

63 71.2 49.8 74.6

154 65.7 52.2 78.4





#55

Dibenzofuran

Concen: 40.258 ng

RT: 15.13 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

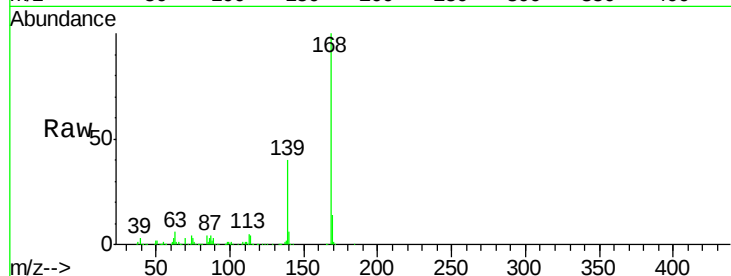
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:168 Resp: 537210

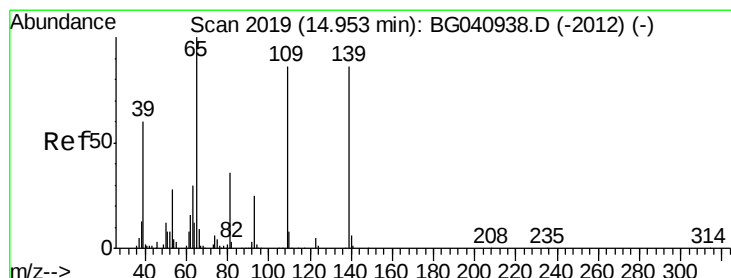
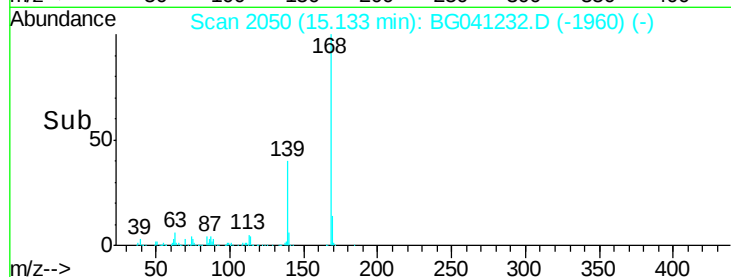
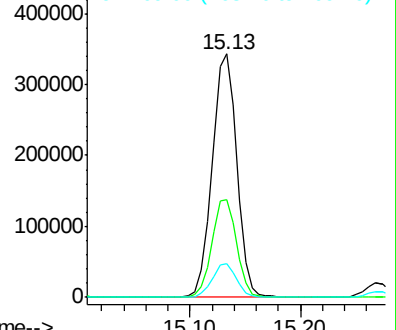
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 40.3  | 32.8  | 49.2  |
| 169 | 13.9  | 11.3  | 16.9  |



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



#56

4-Nitrophenol

Concen: 35.258 ng

RT: 14.95 min Scan# 2019

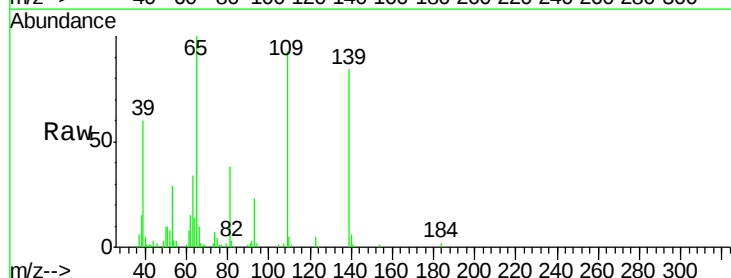
Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Tgt Ion:139 Resp: 60413

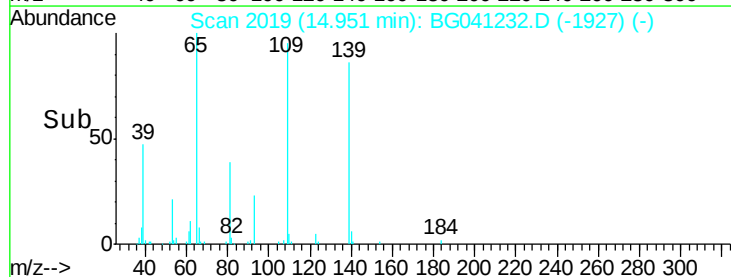
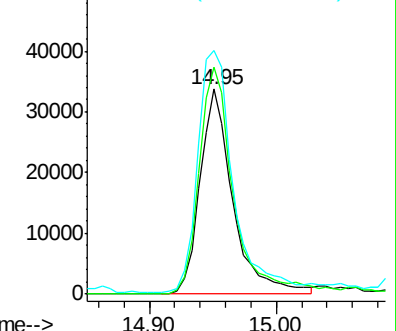
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 111.1 | 79.6  | 119.6 |
| 65  | 118.9 | 96.9  | 136.9 |



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

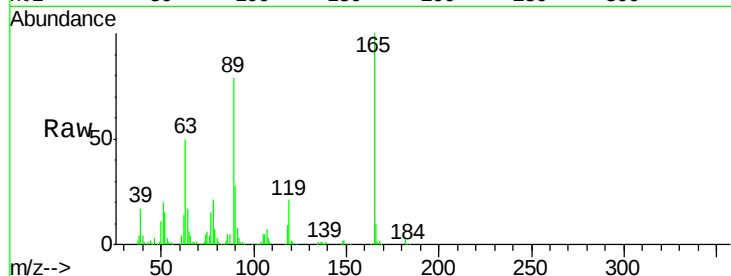




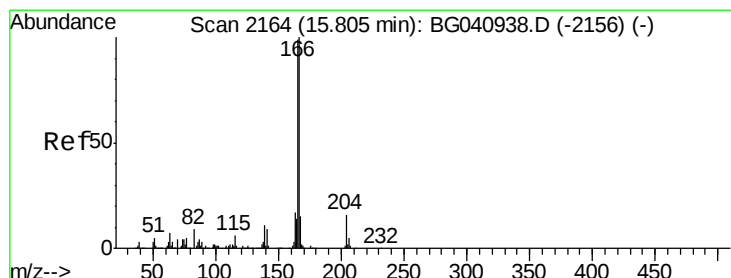
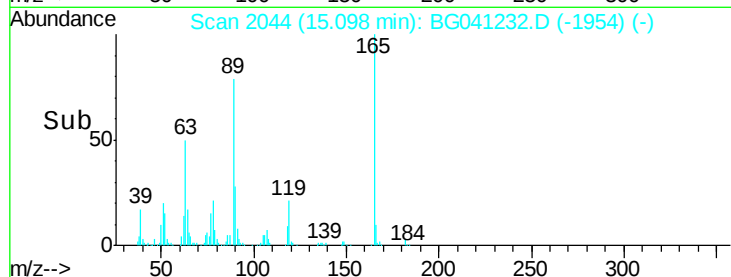
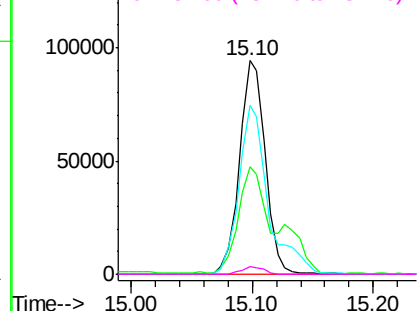
#57  
2,4-Dinitrotoluene  
Concen: 39.743 ng  
RT: 15.10 min Scan# 2044  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 140248  
Ion Ratio Lower Upper  
165 100  
63 50.3 37.3 55.9  
89 79.1 61.0 91.6  
182 3.4 2.2 3.2#

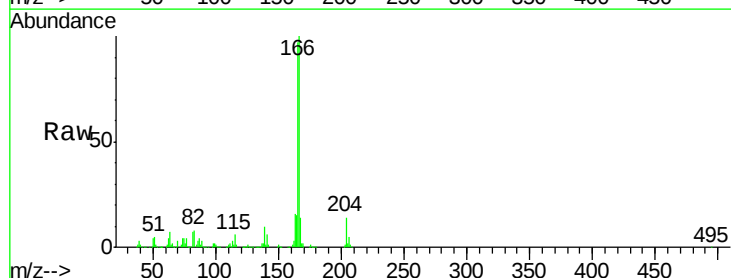


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

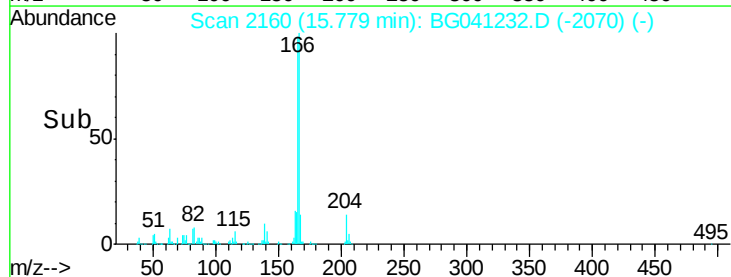
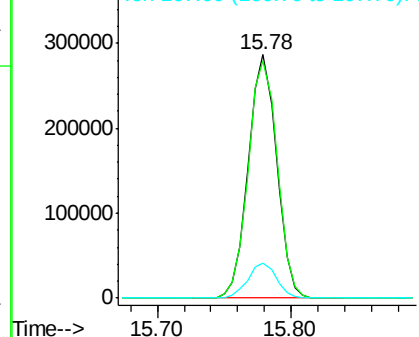


#58  
Fluorene  
Concen: 39.406 ng  
RT: 15.78 min Scan# 2160  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:166 Resp: 418775  
Ion Ratio Lower Upper  
166 100  
165 97.3 79.2 118.8  
167 14.2 11.8 17.6



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.112 ng

RT: 15.36 min Scan# 2088

Delta R.T. 0.01 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:232 Resp: 144674

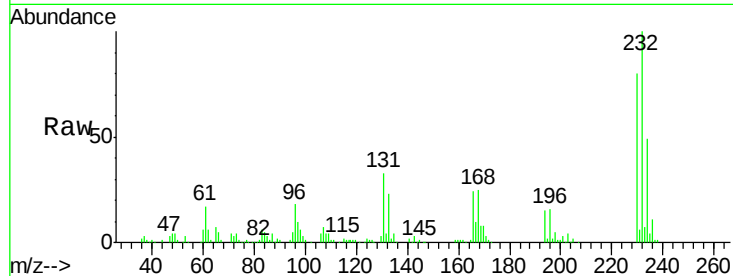
Ion Ratio Lower Upper

232 100

131 37.9 30.3 45.5

130 2.7 1.8 2.8

166 25.8 21.3 31.9

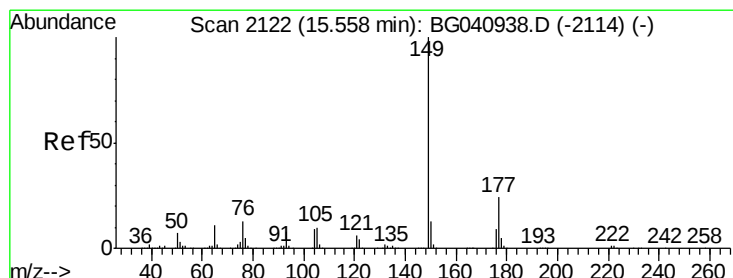
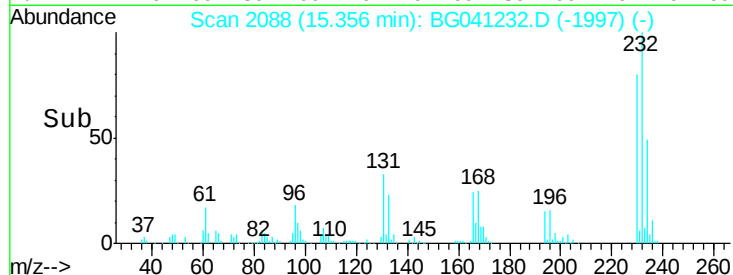
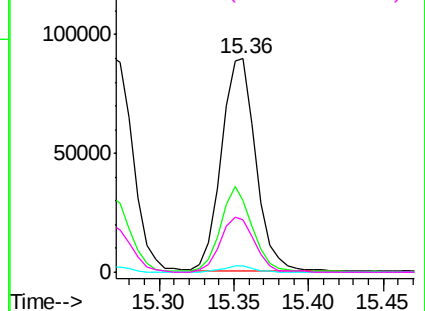


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 39.112 ng

RT: 15.53 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

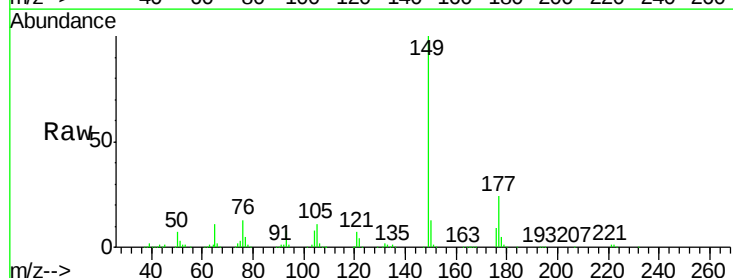
Tgt Ion:149 Resp: 462476

Ion Ratio Lower Upper

149 100

177 24.4 19.4 29.0

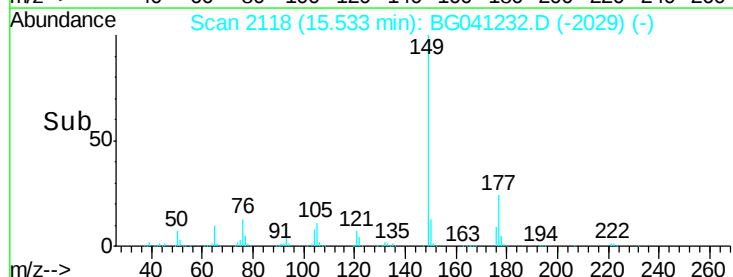
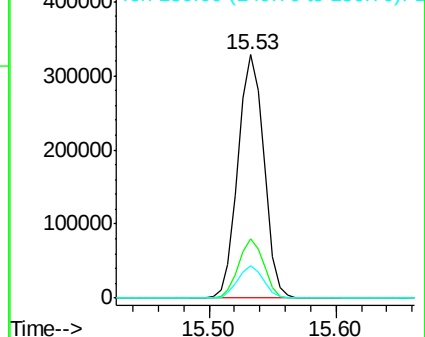
150 13.4 10.3 15.5

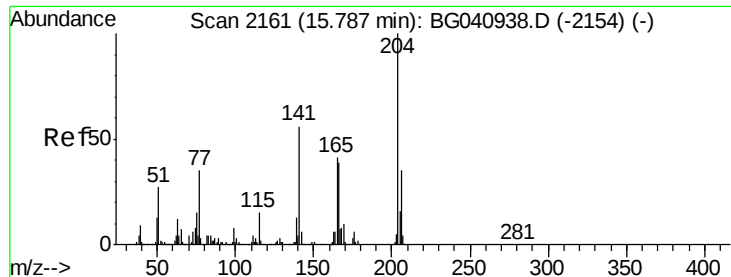


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

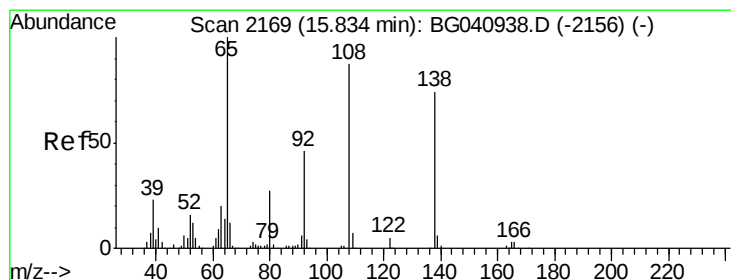
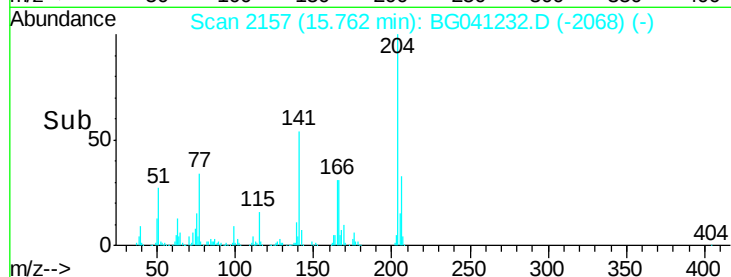
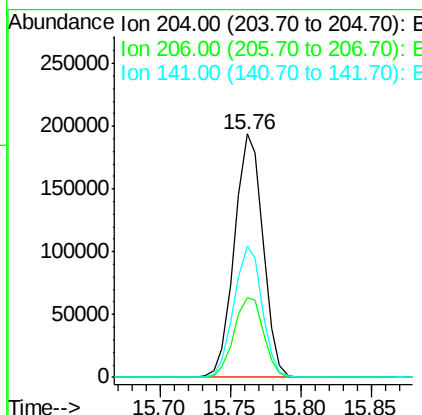
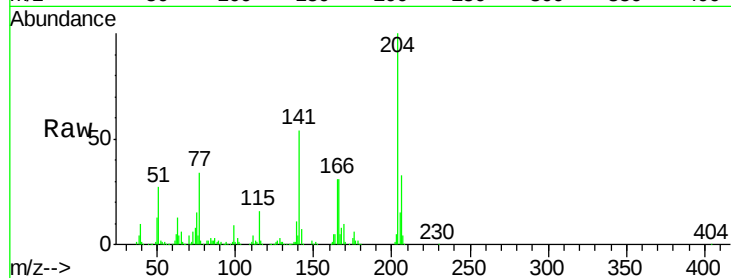




#61  
4-Chlorophenyl-phenylether  
Concen: 39.533 ng  
RT: 15.76 min Scan# 2157  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

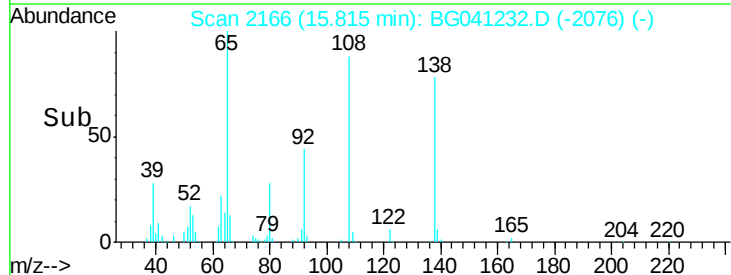
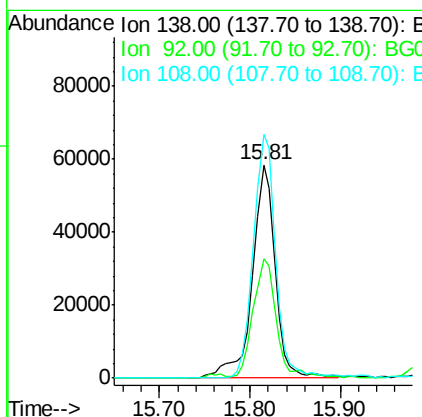
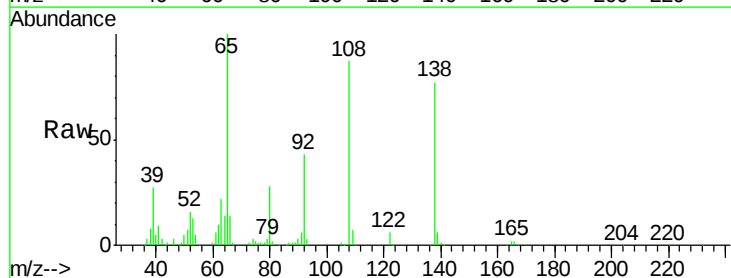
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:204 Resp: 273073  
Ion Ratio Lower Upper  
204 100  
206 32.7 27.6 41.4  
141 53.8 45.1 67.7



#62  
4-Nitroaniline  
Concen: 38.748 ng  
RT: 15.81 min Scan# 2166  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:138 Resp: 102475  
Ion Ratio Lower Upper  
138 100  
92 56.1 42.4 82.4  
108 114.1 96.9 136.9

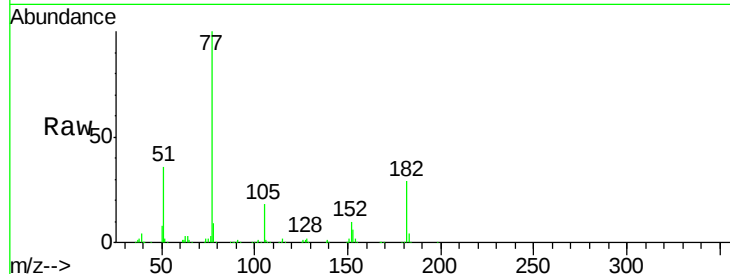




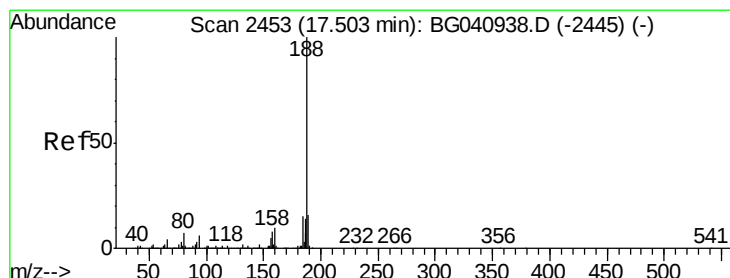
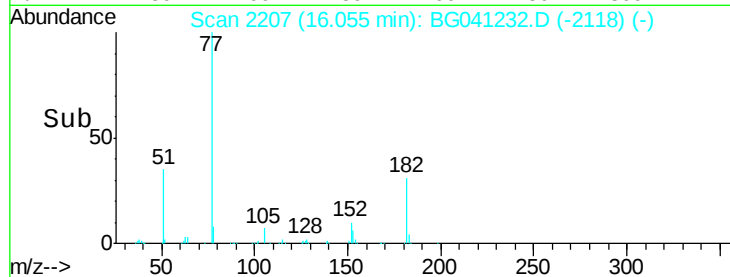
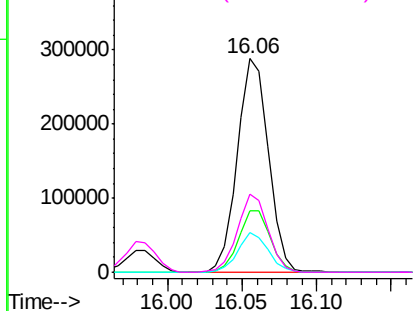
#63  
Azobenzene  
Concen: 38.688 ng  
RT: 16.06 min Scan# 2207  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.8  | 9.6   | 49.6  |
| 105     | 18.3  | 0.0   | 37.5  |
| 51      | 36.3  | 13.7  | 53.7  |

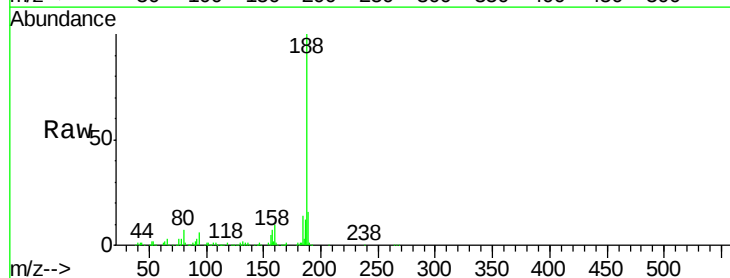


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

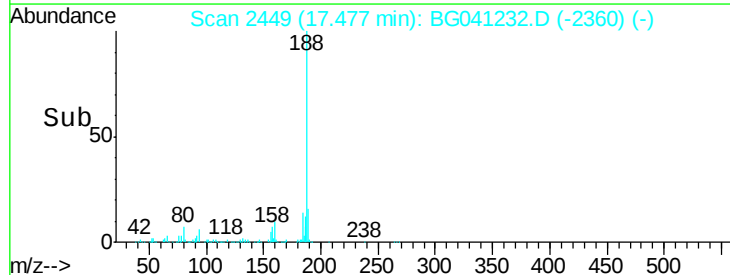
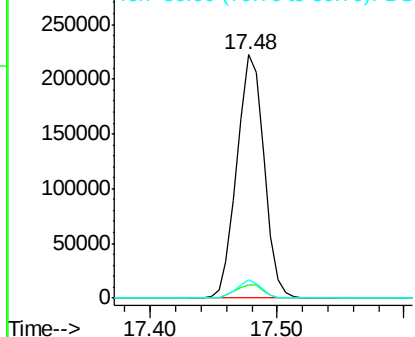


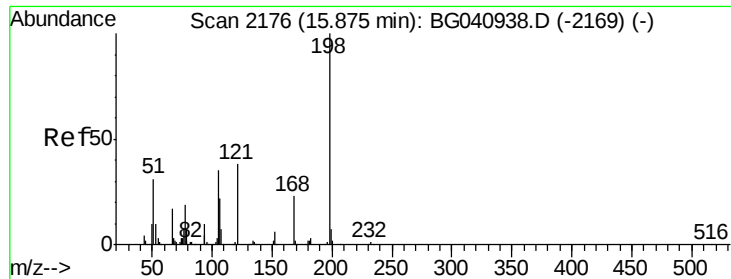
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2449  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.6   | 4.7   | 7.1   |
| 80      | 7.4   | 5.8   | 8.8   |



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

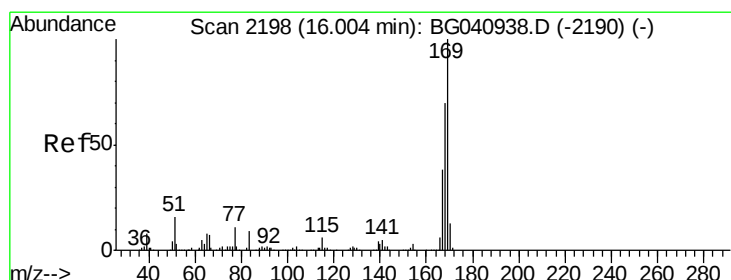
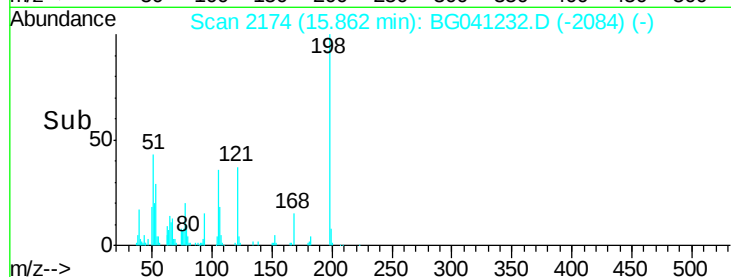
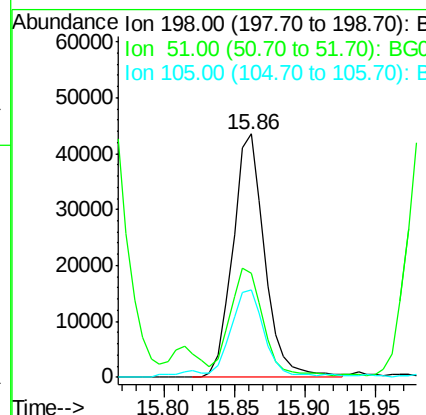
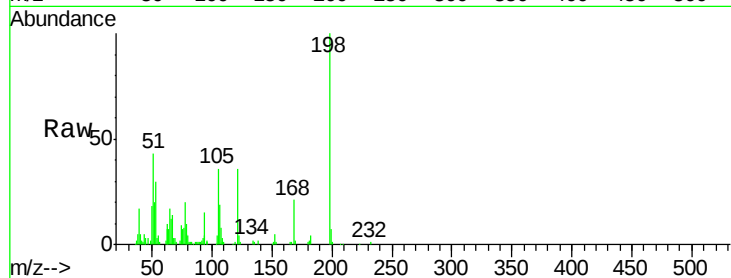




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.412 ng  
RT: 15.86 min Scan# 2174  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

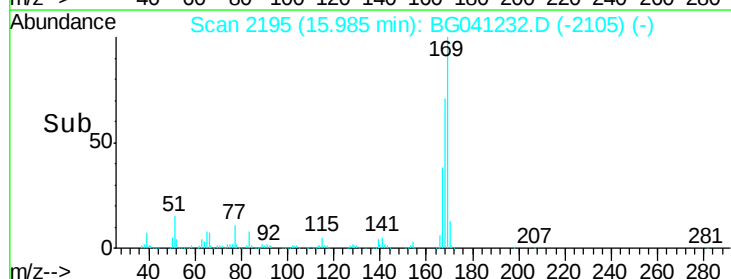
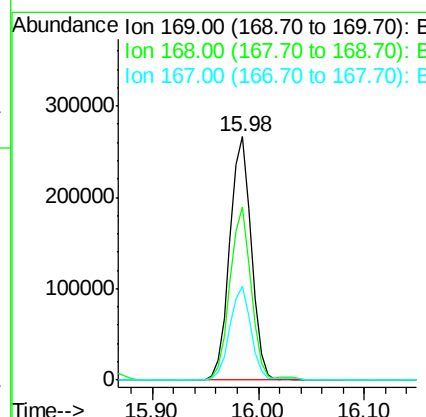
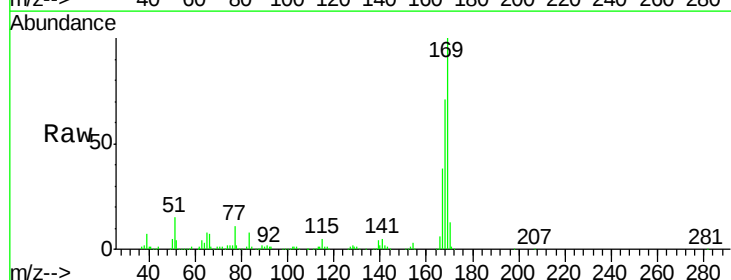
Instrument :  
BNA\_G  
ClientSampleId :

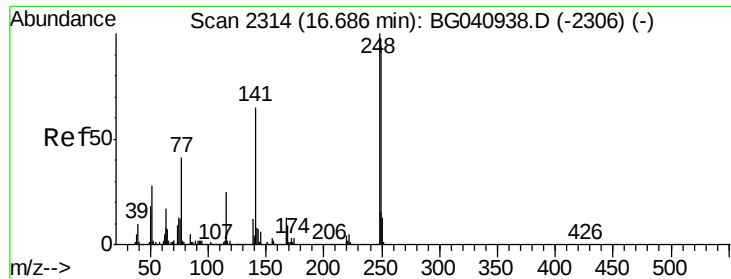
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 42.6  | 21.6  | 61.6  |
| 105     | 35.9  | 17.5  | 57.5  |



#66  
n-Nitrosodiphenylamine  
Concen: 40.543 ng  
RT: 15.98 min Scan# 2195  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.9  | 55.7  | 83.5  |
| 167     | 38.5  | 30.2  | 45.2  |

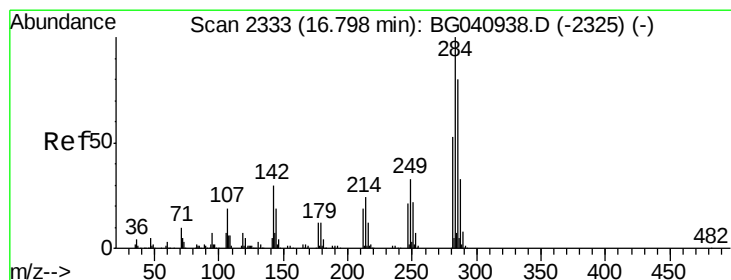
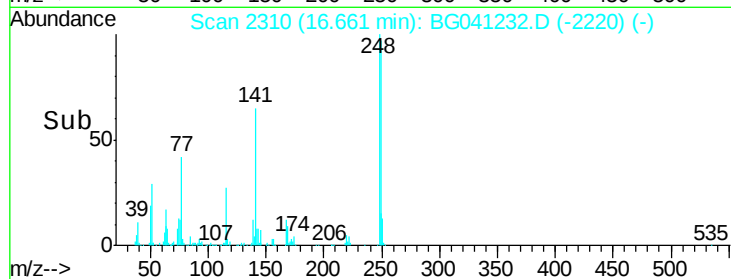
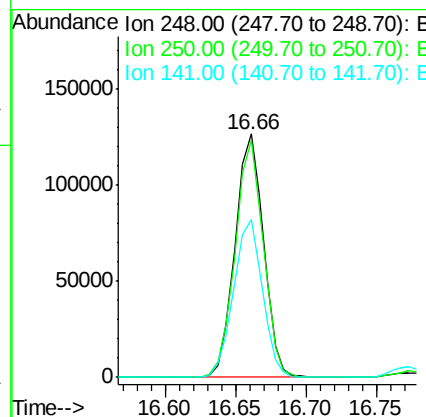
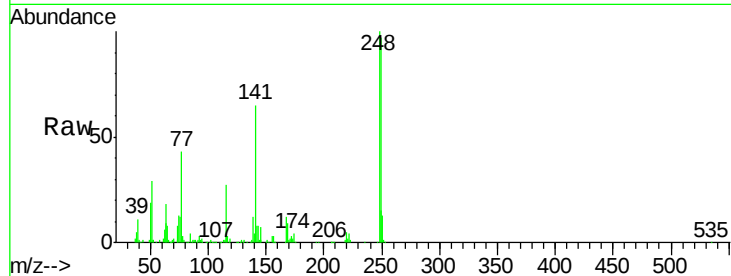




#67  
 4-Bromophenyl-phenylether  
 Concen: 39.910 ng  
 RT: 16.66 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

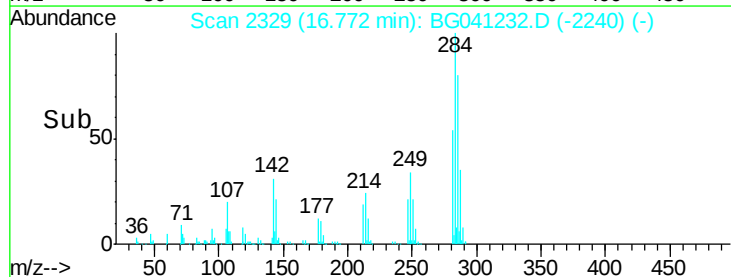
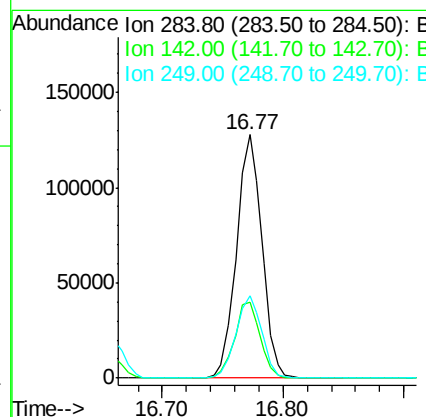
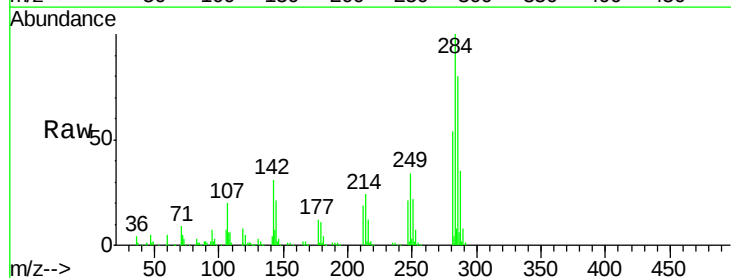
Instrument :  
 BNA\_G  
 ClientSampleId :

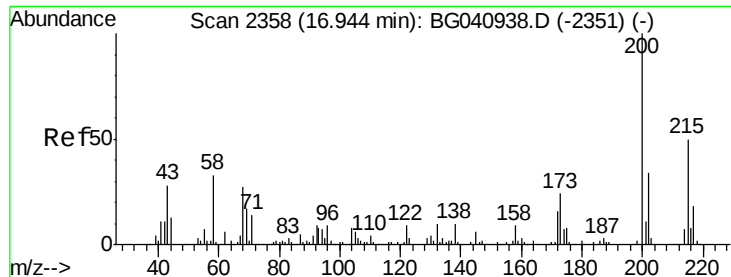
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.2  | 75.0  | 112.4 |
| 141     | 64.6  | 52.4  | 78.6  |



#68  
 Hexachlorobenzene  
 Concen: 39.396 ng  
 RT: 16.77 min Scan# 2329  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 31.3  | 23.9  | 35.9  |
| 249     | 34.0  | 26.8  | 40.2  |

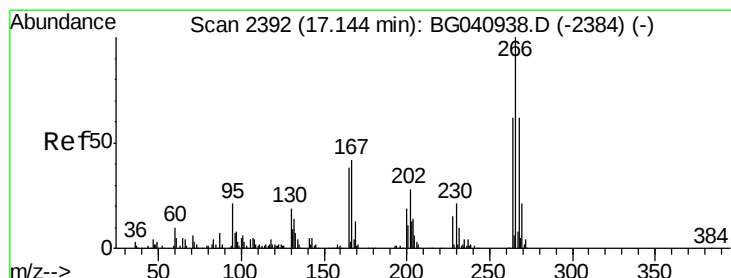
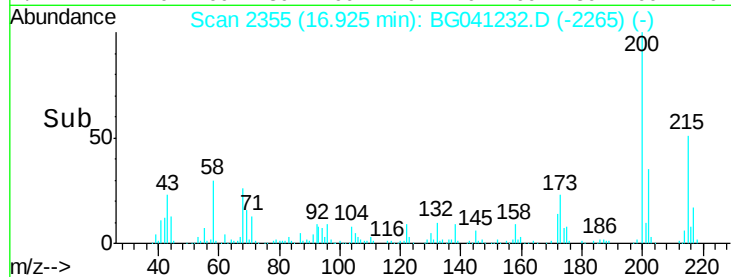
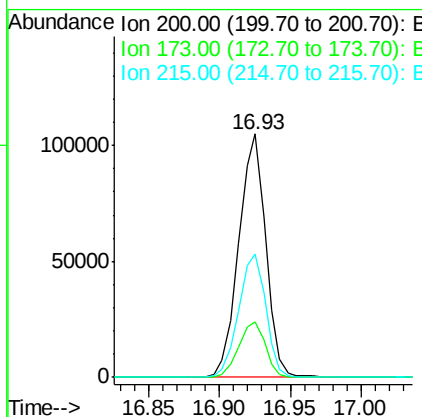
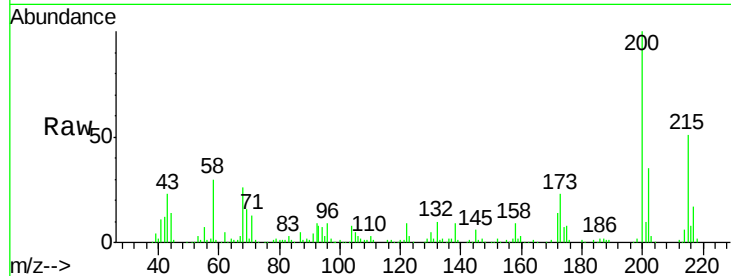




#69  
 Atrazine  
 Concen: 39.155 ng  
 RT: 16.93 min Scan# 2355  
 Delta R.T. 0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

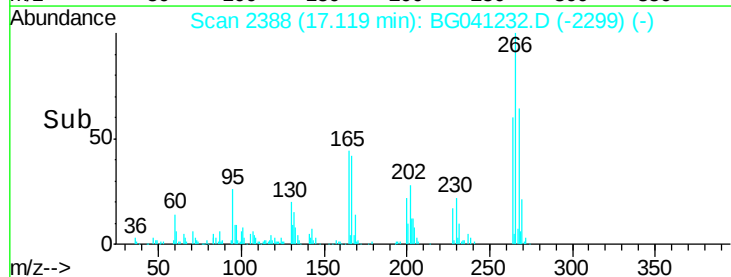
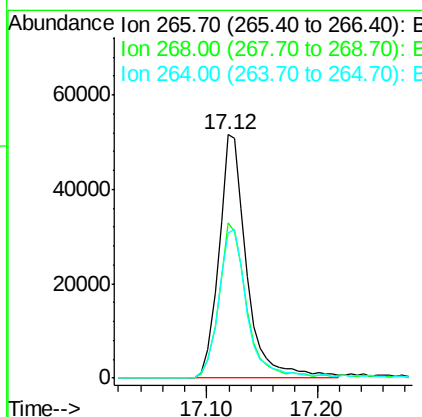
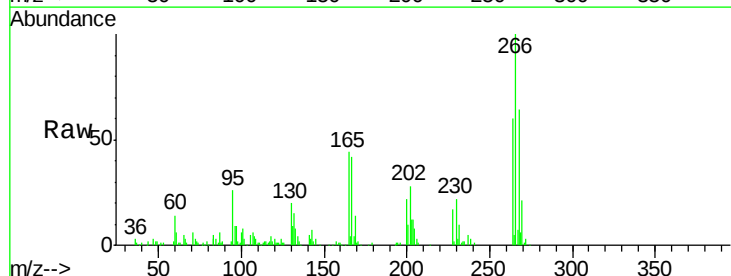
Instrument :  
 BNA\_G  
 ClientSampleId :

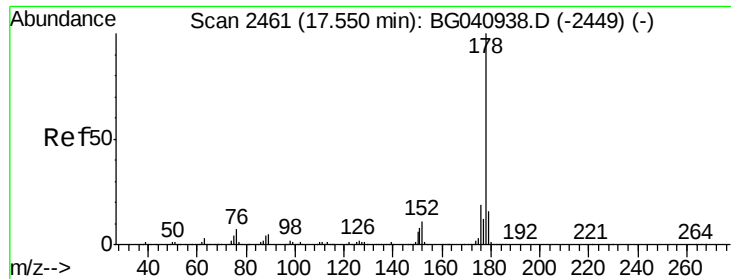
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.8  | 3.6   | 43.6  |
| 215     | 50.8  | 29.6  | 69.6  |



#70  
 Pentachlorophenol  
 Concen: 37.910 ng  
 RT: 17.12 min Scan# 2388  
 Delta R.T. -0.00 min  
 Lab File: BG041232.D  
 Acq: 13 Jun 2019 22:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.7  | 53.1  | 79.7  |
| 264     | 59.6  | 49.9  | 74.9  |

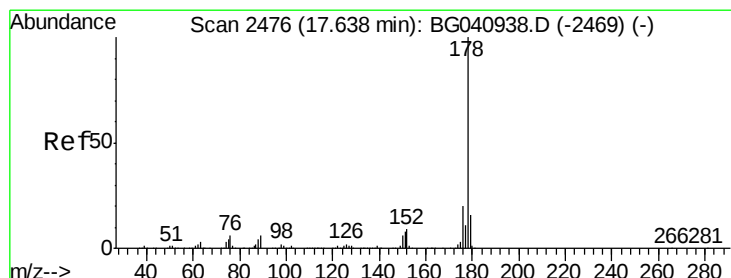
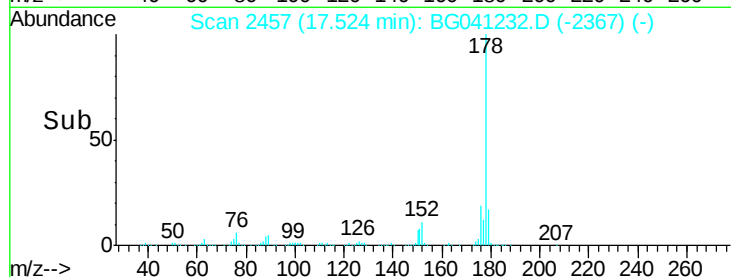
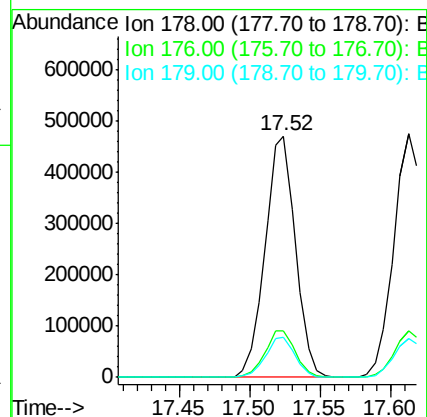
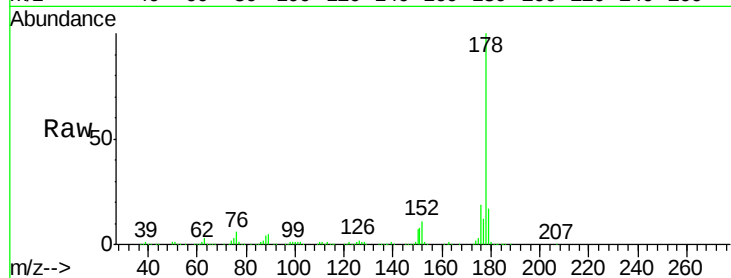




#71  
Phenanthrene  
Concen: 41.287 ng  
RT: 17.52 min Scan# 2457  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

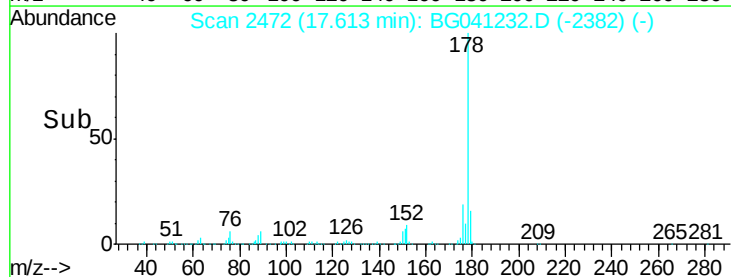
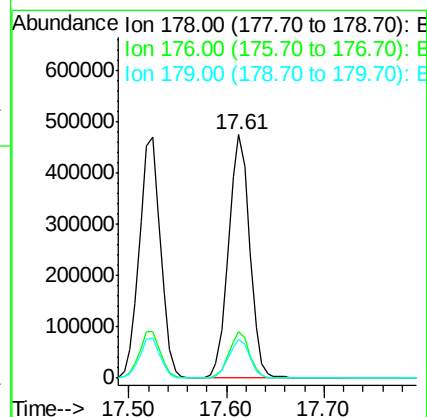
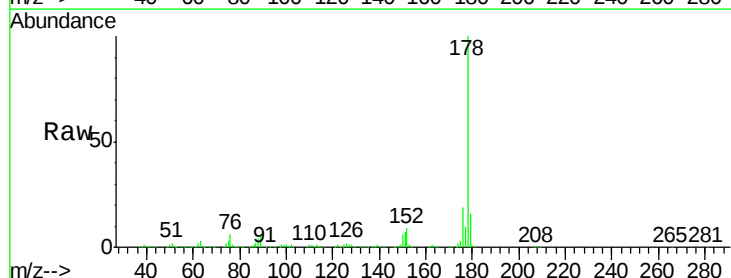
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:178 Resp: 709675  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.5 23.3  
179 16.6 12.7 19.1



#72  
Anthracene  
Concen: 42.115 ng  
RT: 17.61 min Scan# 2472  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:178 Resp: 713975  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.6 23.4  
179 16.2 13.0 19.4





#73

Carbazole

Concen: 42.546 ng

RT: 17.89 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampled :

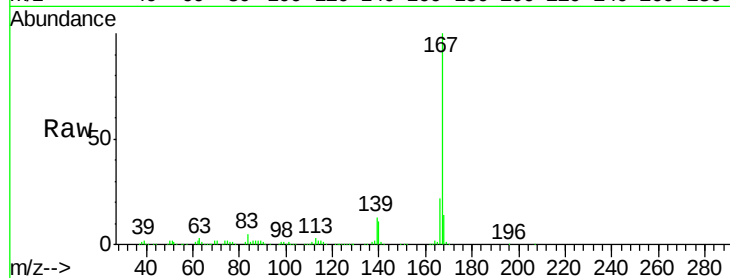
Tot Ion:167 Resp: 618888

Ion Ratio Lower Upper

167 100

166 21.7 18.2 27.4

139 13.1 10.8 16.2

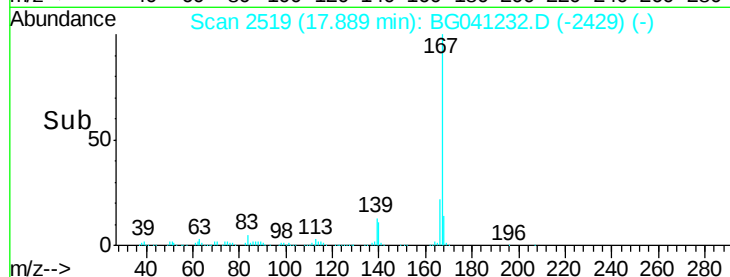


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



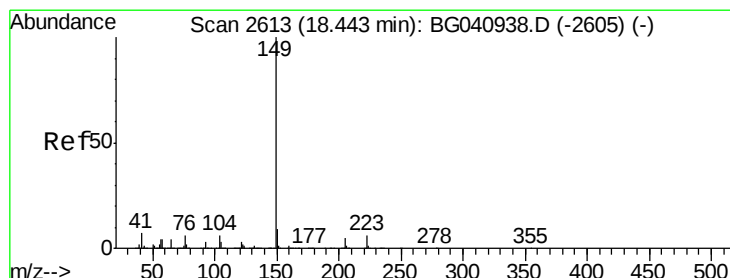
Abundance

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

Time-->



#74

Di-n-butylphthalate

Concen: 41.695 ng

RT: 18.41 min Scan# 2608

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

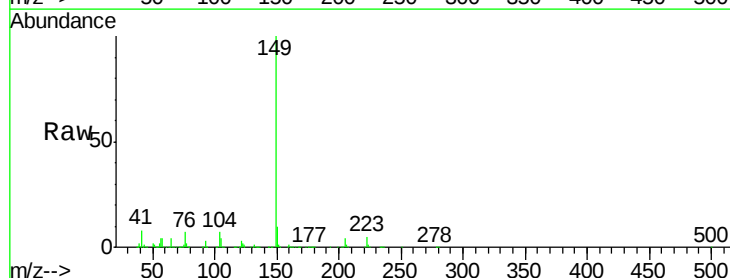
Tgt Ion:149 Resp: 753811

Ion Ratio Lower Upper

149 100

150 10.2 7.4 11.2

104 6.8 5.0 7.4

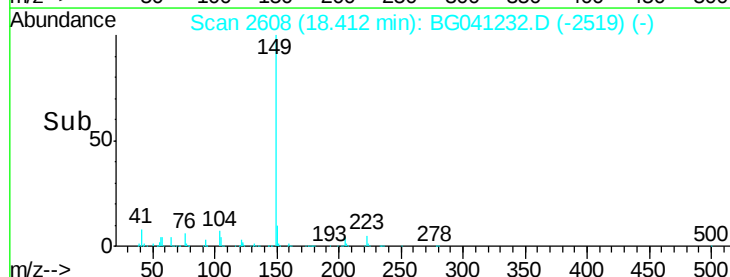


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



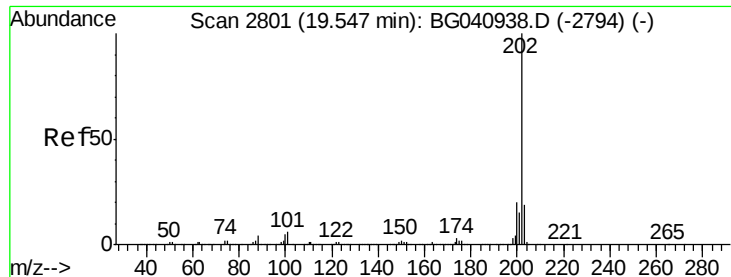
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



#75

Fluoranthene

Concen: 43.455 ng

RT: 19.52 min Scan# 2797

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

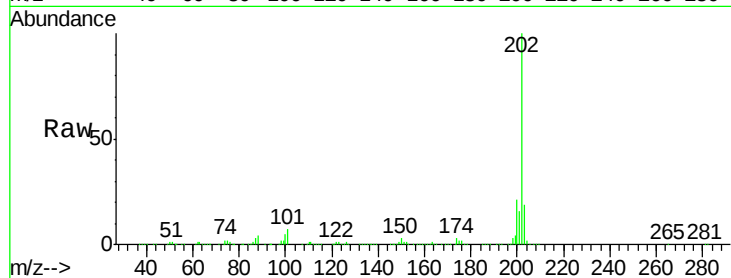
Tot Ion:202 Resp: 922602

Ion Ratio Lower Upper

202 100

101 6.5 0.0 26.2

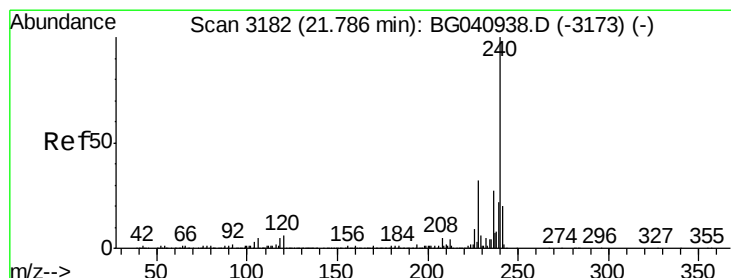
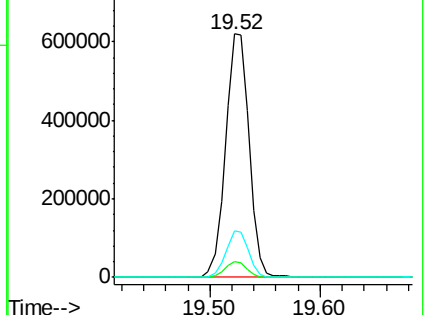
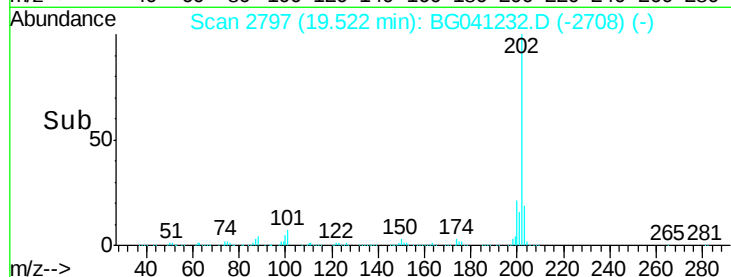
203 19.2 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

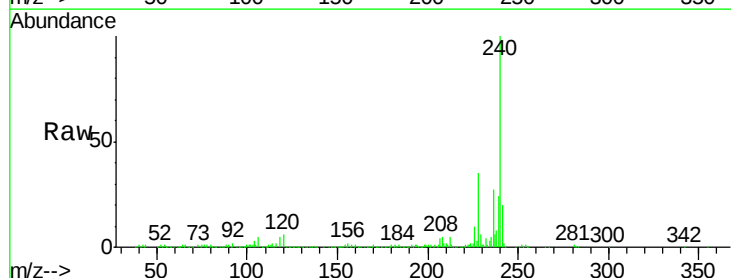
Tgt Ion:240 Resp: 340848

Ion Ratio Lower Upper

240 100

120 5.5 4.5 6.7

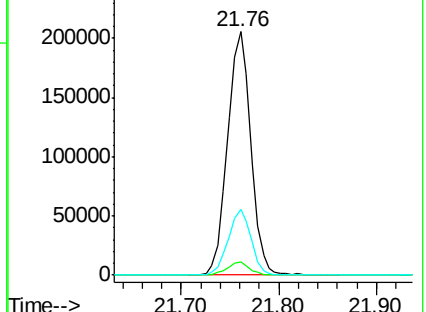
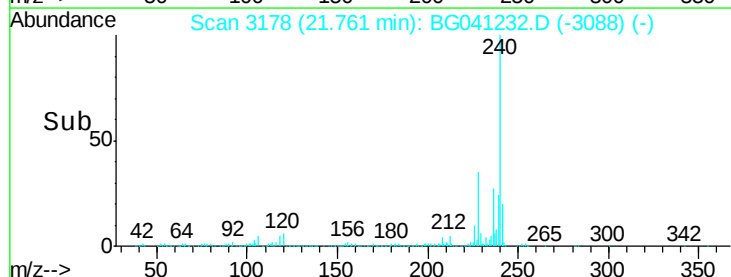
236 26.7 21.3 31.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 32.384 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

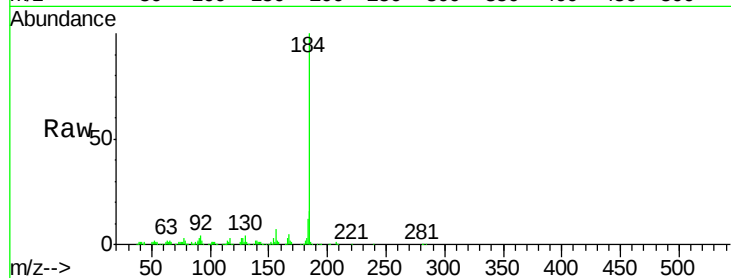
Tot Ion:184 Resp: 263319

Ion Ratio Lower Upper

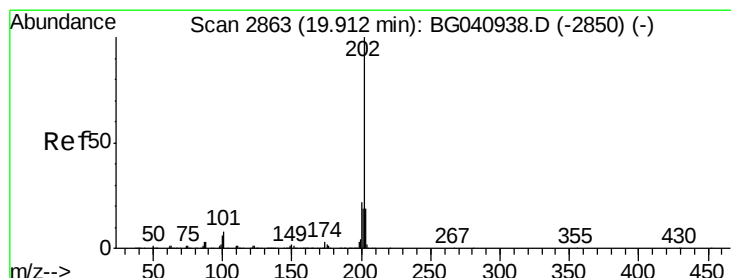
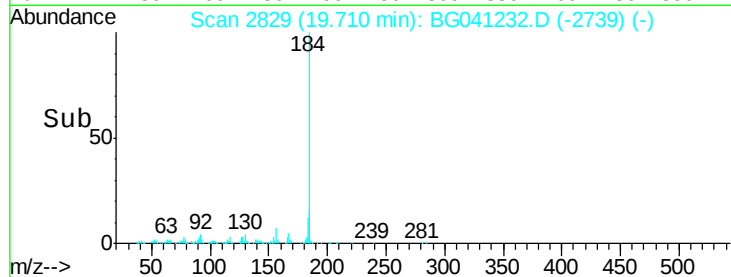
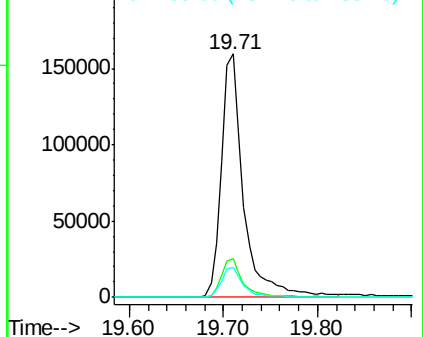
184 100

185 15.8 13.3 19.9

183 12.2 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 42.184 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

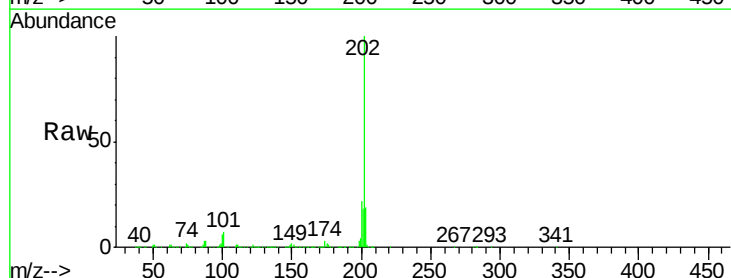
Tgt Ion:202 Resp: 934677

Ion Ratio Lower Upper

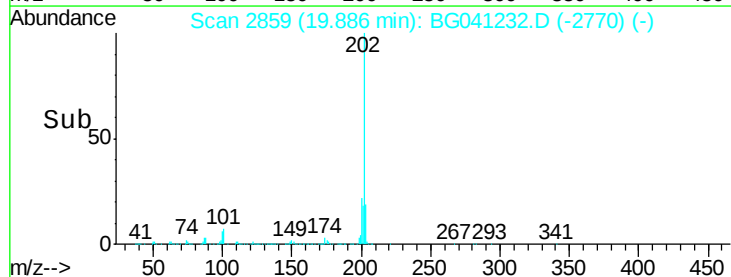
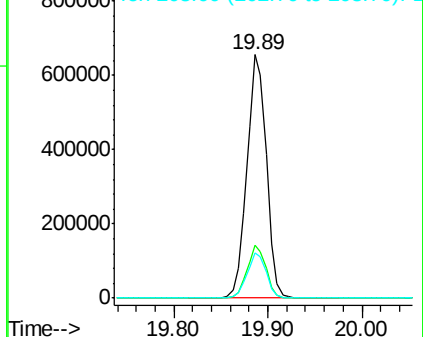
202 100

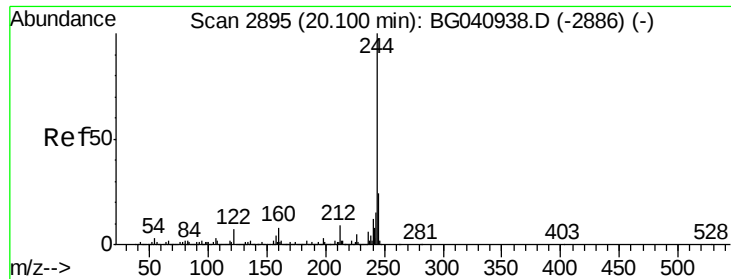
200 21.8 17.5 26.3

203 18.7 15.6 23.4



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





#79

Terphenyl-d14

Concen: 85.427 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampled :

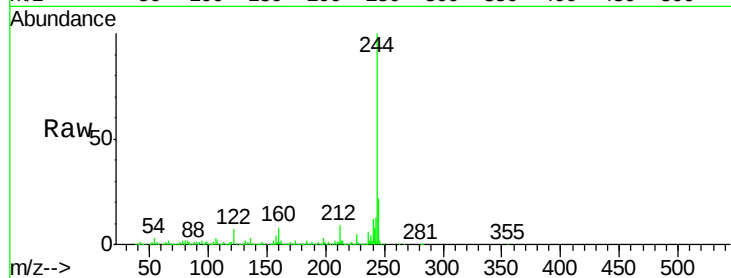
Tot Ion:244 Resp: 1371963

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.4

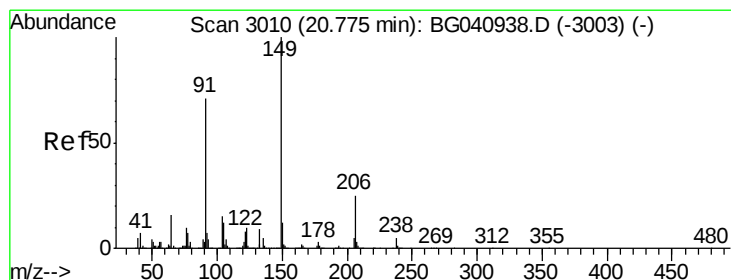
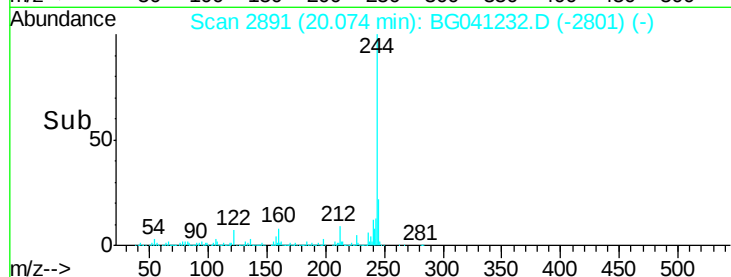
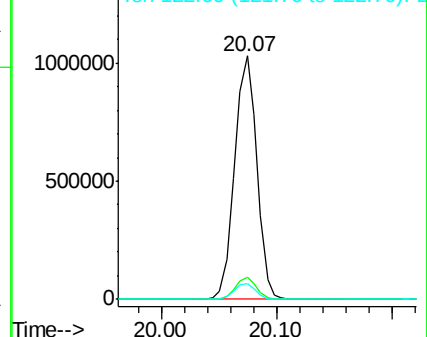
122 6.7 5.4 8.0



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



#80

Butylbenzylphthalate

Concen: 42.007 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

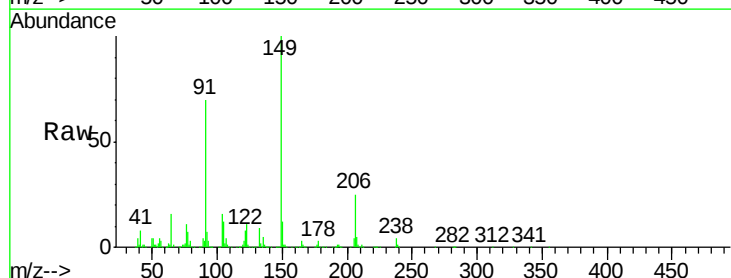
Tgt Ion:149 Resp: 362216

Ion Ratio Lower Upper

149 100

91 69.7 56.5 84.7

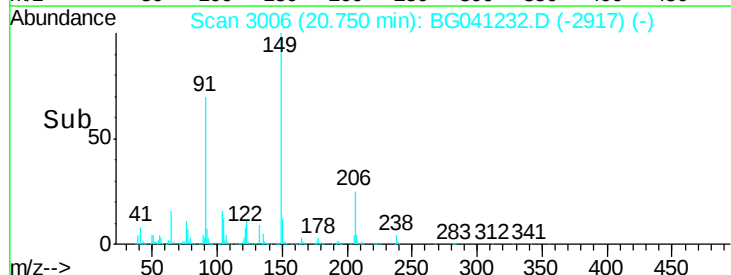
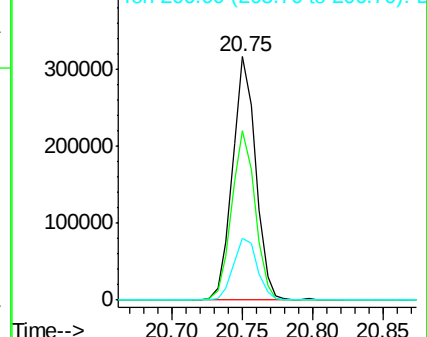
206 25.5 20.3 30.5

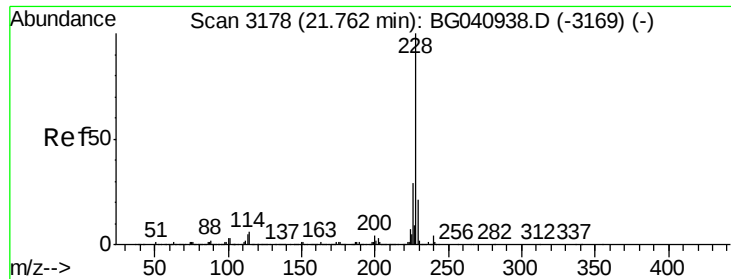


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.589 ng

RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

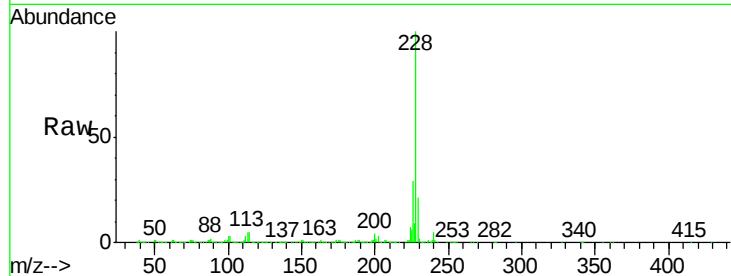
Tot Ion:228 Resp: 943615

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

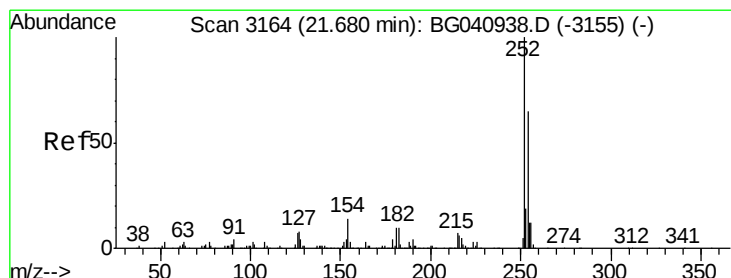
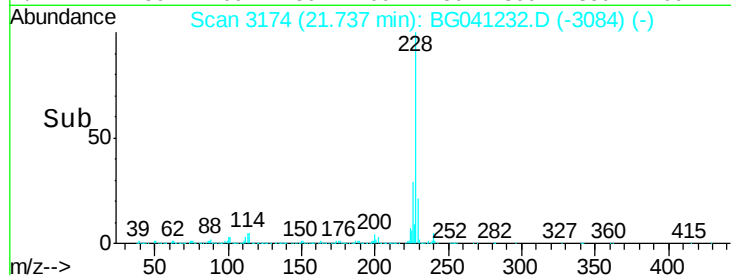
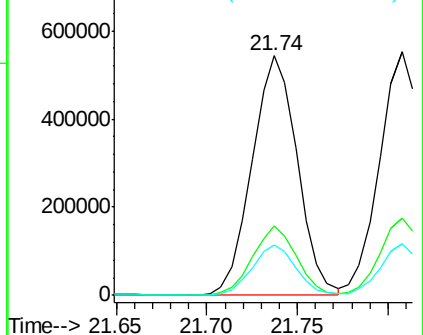
229 21.1 16.7 25.1



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



#82

3,3'-Dichlorobenzidine

Concen: 39.590 ng

RT: 21.65 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

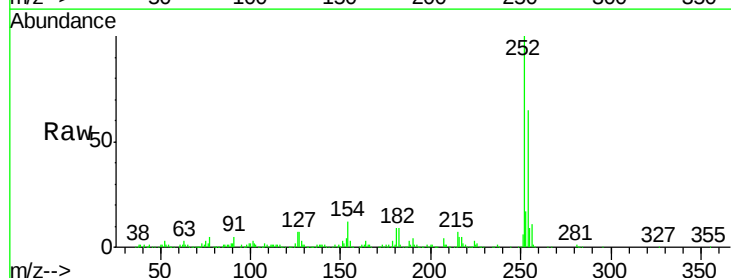
Tgt Ion:252 Resp: 315936

Ion Ratio Lower Upper

252 100

254 64.7 52.1 78.1

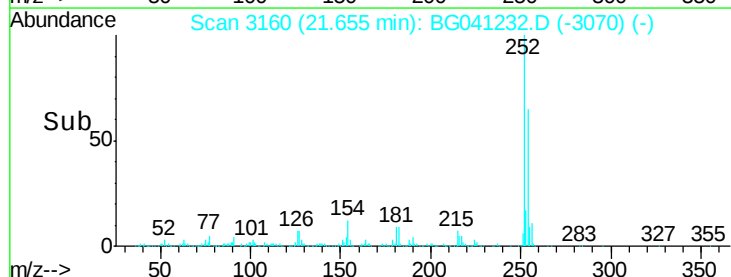
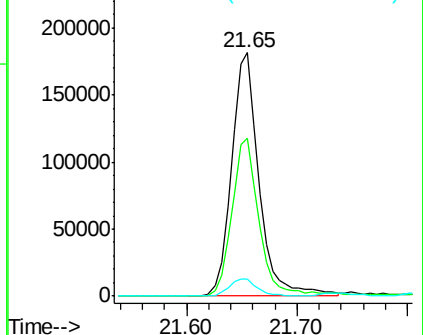
126 7.1 5.5 8.3



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





#83

Chrysene

Concen: 41.624 ng

RT: 21.81 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

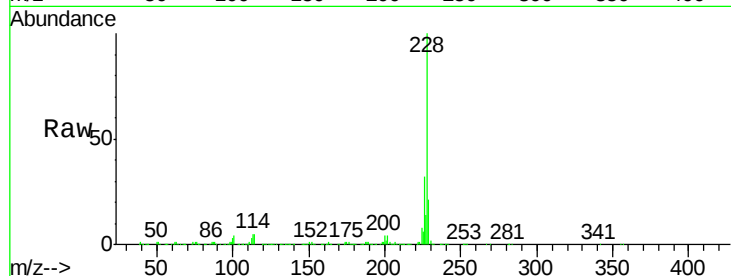
Tot Ion:228 Resp: 903761

Ion Ratio Lower Upper

228 100

226 31.7 24.6 37.0

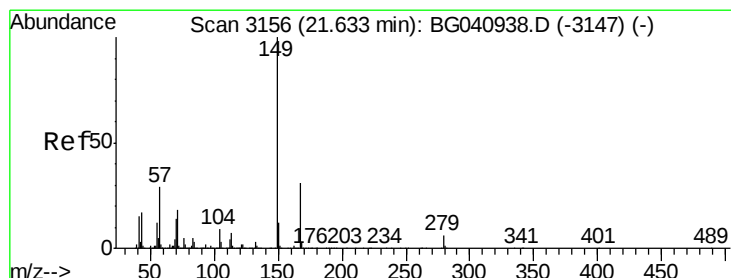
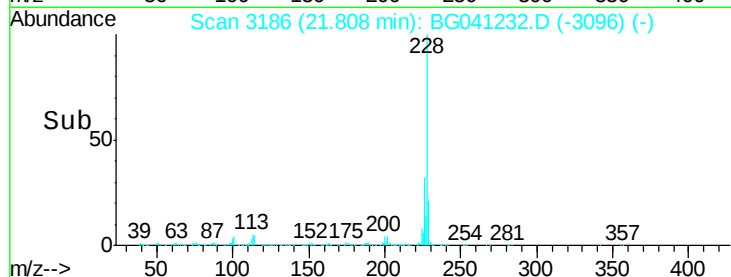
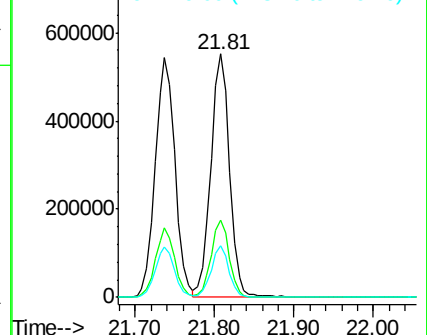
229 21.1 16.6 24.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.931 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

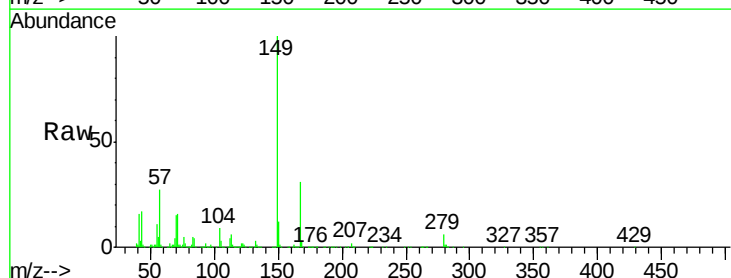
Tgt Ion:149 Resp: 496829

Ion Ratio Lower Upper

149 100

167 31.2 24.6 37.0

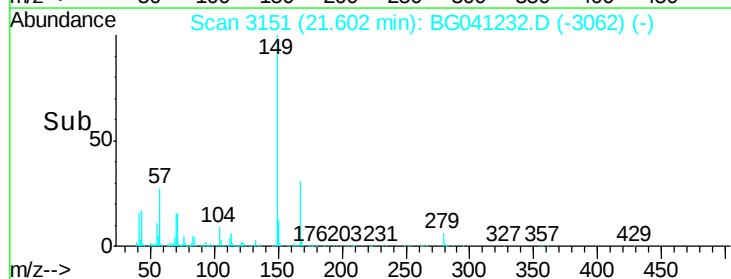
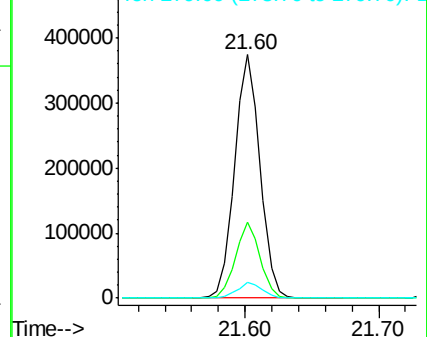
279 6.4 5.0 7.6

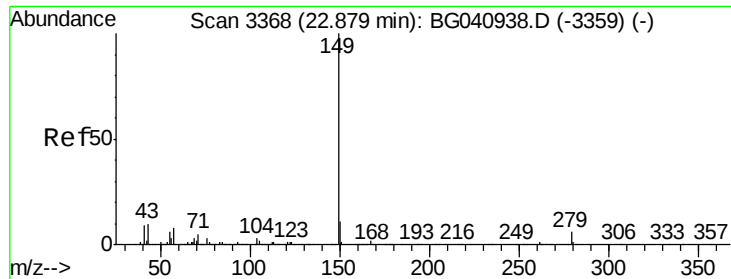


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 41.481 ng

RT: 22.84 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

Instrument :

BNA\_G

ClientSampleId :

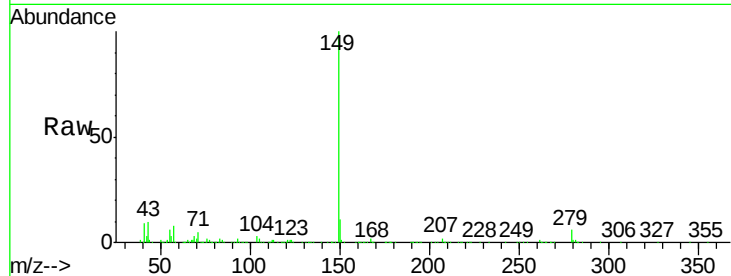
Tot Ion:149 Resp: 838565

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

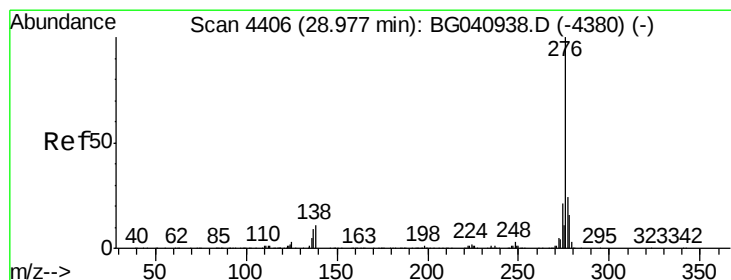
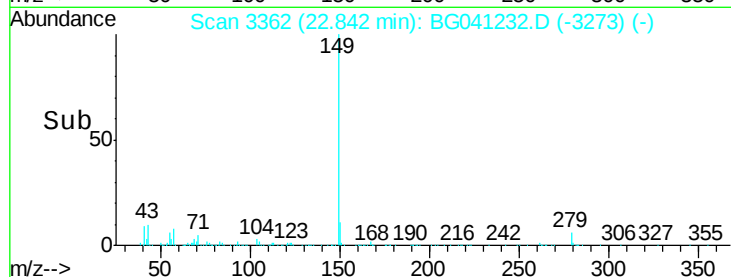
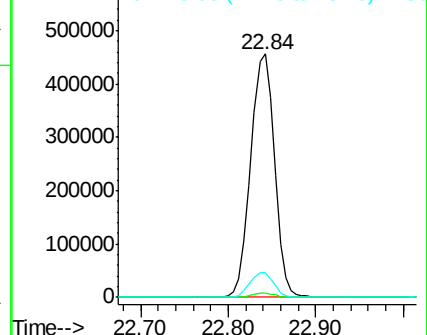
43 10.1 8.1 12.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Indeno(1,2,3-cd)pyrene

Concen: 23.978 ng

RT: 28.91 min Scan# 4394

Delta R.T. 0.00 min

Lab File: BG041232.D

Acq: 13 Jun 2019 22:04

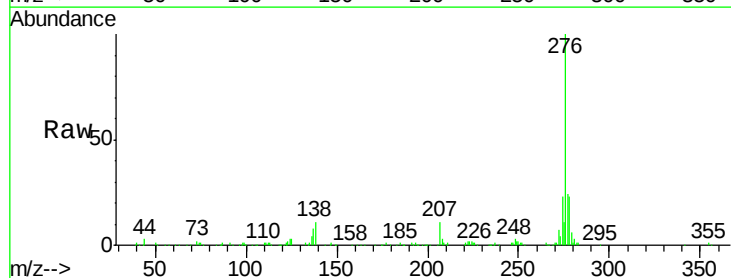
Tgt Ion:276 Resp: 637751

Ion Ratio Lower Upper

276 100

138 4.4 5.7 8.5#

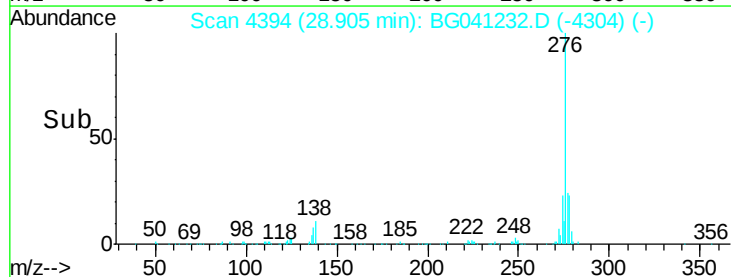
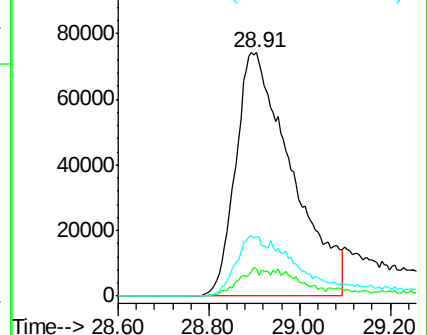
277 12.9 20.8 31.2#

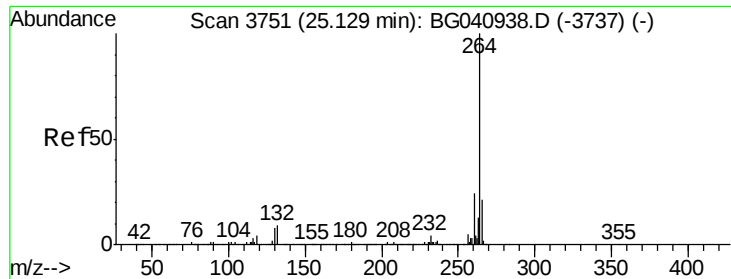


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



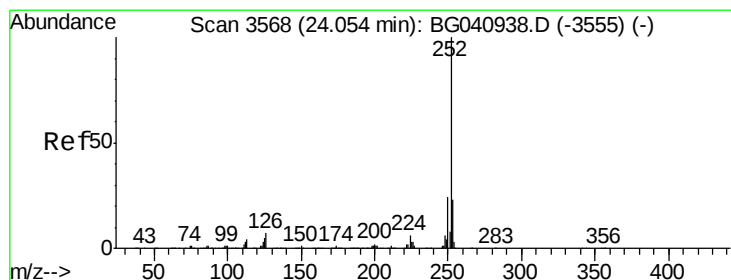
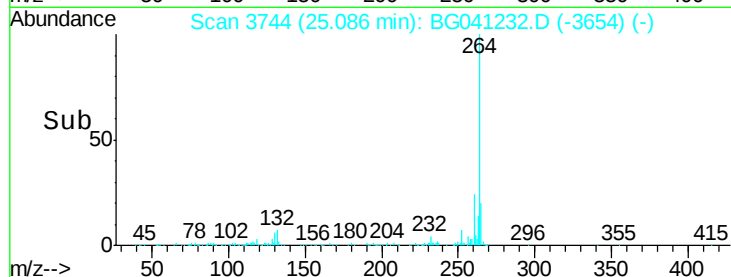
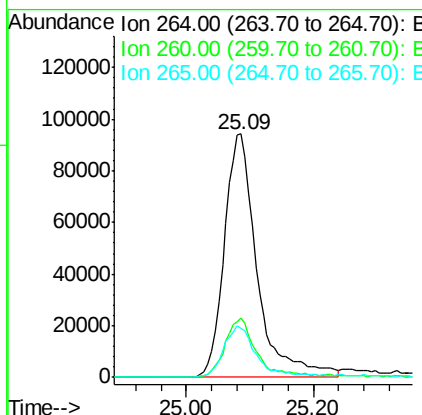
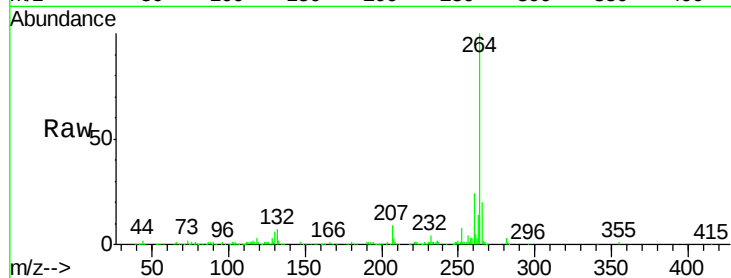


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.09 min Scan# 3744  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 338246  

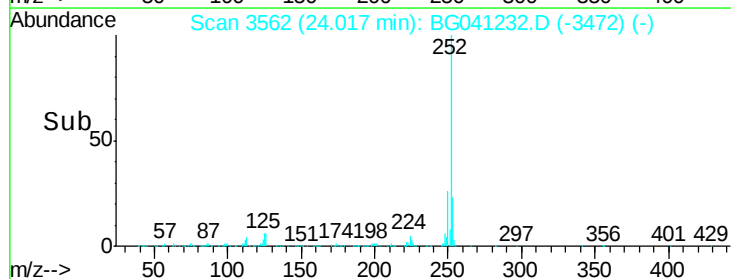
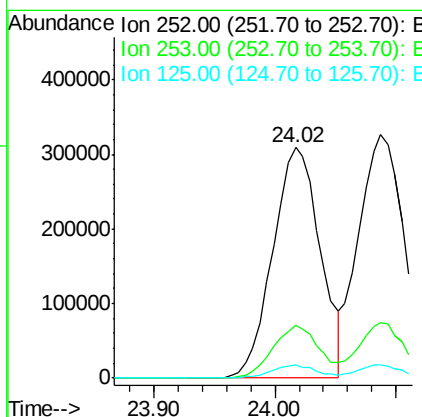
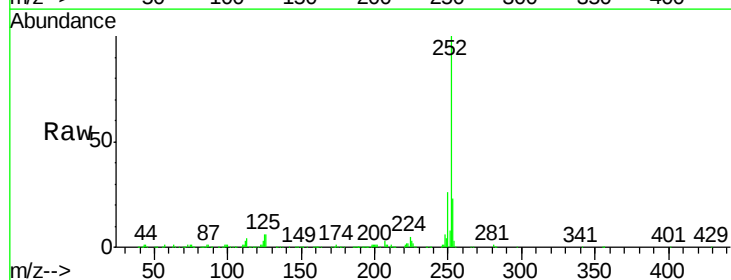
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.0  | 28.4  |
| 265 | 20.3  | 17.0  | 25.4  |

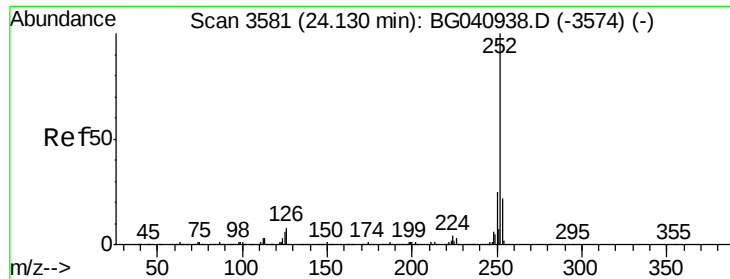


#88  
Benzo(b)fluoranthene  
Concen: 40.971 ng  
RT: 24.02 min Scan# 3562  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:252 Resp: 840554  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 18.4  | 27.6  |
| 125 | 5.9   | 4.3   | 6.5   |

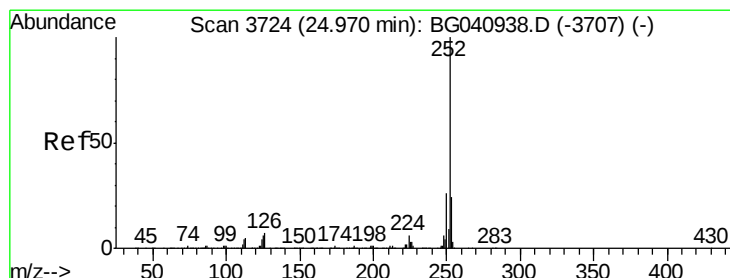
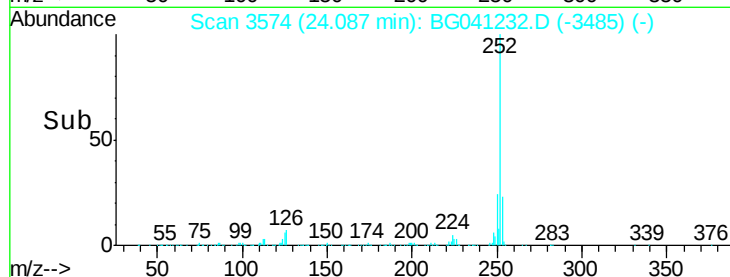
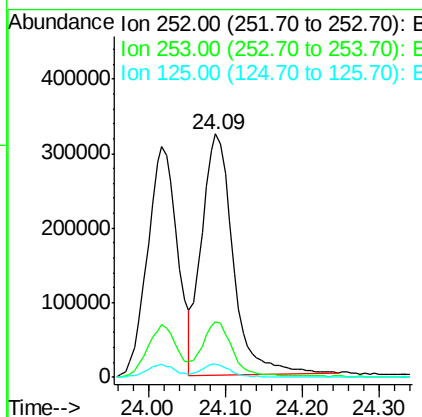
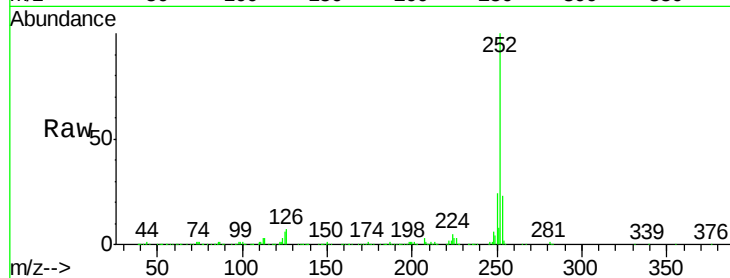




#89  
Benzo(k)fluoranthene  
Concen: 45.003 ng  
RT: 24.09 min Scan# 3574  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

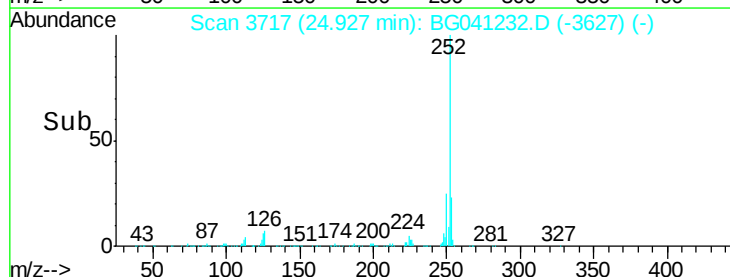
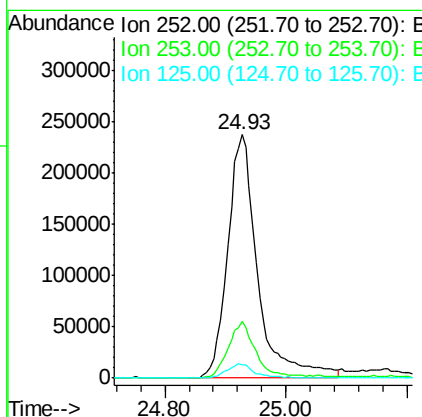
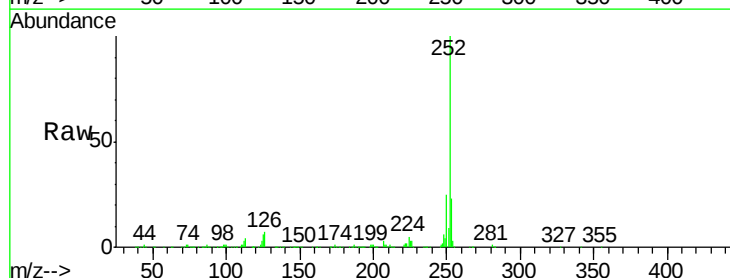
Instrument :  
BNA\_G  
ClientSampleId :

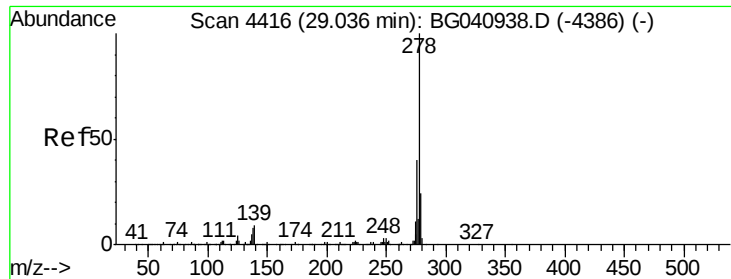
Tot Ion:252 Resp: 913639  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.6  
125 5.5 4.7 7.1



#90  
Benzo(a)pyrene  
Concen: 41.411 ng  
RT: 24.93 min Scan# 3717  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:252 Resp: 810552  
Ion Ratio Lower Upper  
252 100  
253 23.4 19.5 29.3  
125 5.6 5.1 7.7

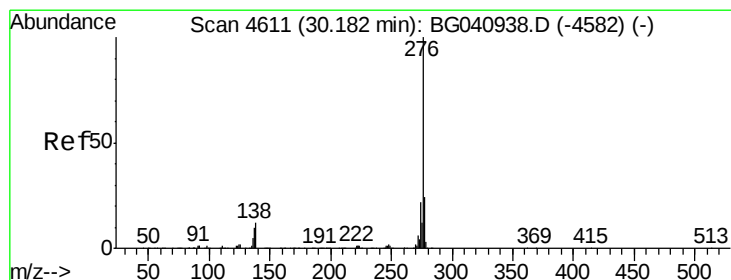
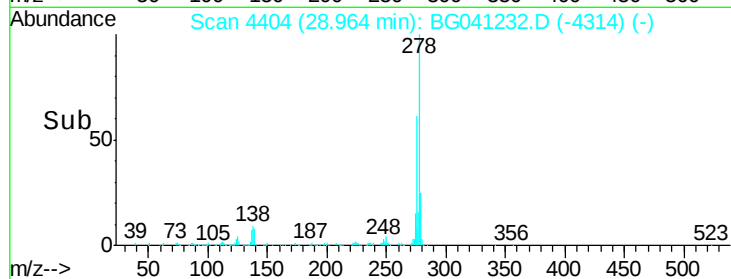
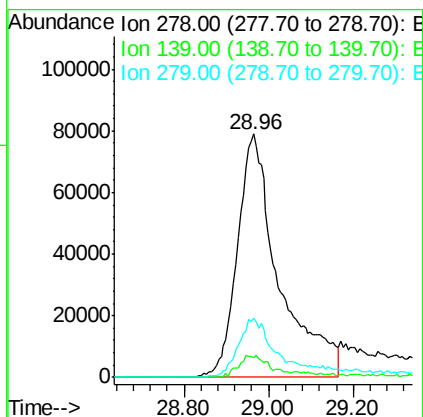
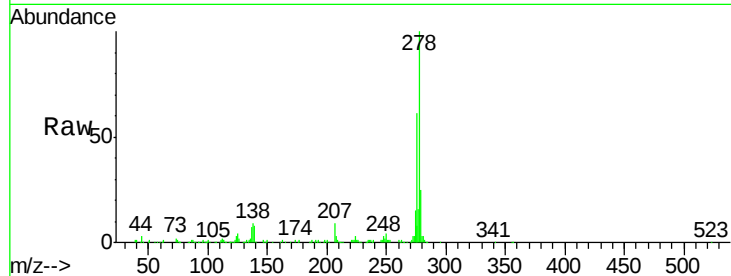




#91  
Dibenzo(a,h)anthracene  
Concen: 27.487 ng  
RT: 28.96 min Scan# 4404  
Delta R.T. 0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:278 Resp: 537603  
Ion Ratio Lower Upper  
278 100  
139 8.2 7.1 10.7  
279 24.6 19.4 29.2



#92  
Benzo(g,h,i)perylene  
Concen: 24.777 ng  
RT: 30.11 min Scan# 4599  
Delta R.T. -0.00 min  
Lab File: BG041232.D  
Acq: 13 Jun 2019 22:04

Tgt Ion:276 Resp: 470789  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.4 29.0  
138 9.7 9.7 14.5

