

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100519\  
 Data File : BG043061.D  
 Acq On : 5 Oct 2019 18:42  
 Operator : JU  
 Sample : K5140-04MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

Quant Time: Oct 06 23:54:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 69053    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.86 | 136  | 245755   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.68 | 164  | 111585   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.43 | 188  | 372986   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.70 | 240  | 355174   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 24.91 | 264  | 38871    | 20.00 | ng    | -0.05    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.65  | 112 | 548290  | 141.70 | ng | 0.00  |
| 7) Phenol-d6                | 7.24  | 99  | 572969  | 102.83 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.22  | 82  | 482142  | 95.36  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 16.17 | 330 | 441596  | 230.14 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 13.31 | 172 | 1157152 | 150.34 | ng | -0.02 |
| 79) Terphenyl-d14           | 20.03 | 244 | 2025580 | 121.53 | ng | -0.01 |

|                                |       |     |        |         |        |      |
|--------------------------------|-------|-----|--------|---------|--------|------|
| Target Compounds               |       |     |        |         | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.56  | 88  | 60431  | 37.459  | ng     | # 44 |
| 4) n-Nitrosodimethylamine      | 3.86  | 42  | 80935  | 37.092  | ng     | 89   |
| 6) Aniline                     | 7.48  | 93  | 185079 | 27.516  | ng     | # 54 |
| 8) 2-Chlorophenol              | 7.64  | 128 | 212449 | 52.649  | ng     | 96   |
| 9) Benzaldehyde                | 7.20  | 77  | 88969  | 26.130  | ng     | 86   |
| 10) Phenol                     | 7.26  | 94  | 226187 | 44.244  | ng     | 93   |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 185079 | 46.791  | ng     | 91   |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 229626 | 44.608  | ng     | 97   |
| 13) 1,4-Dichlorobenzene        | 8.10  | 146 | 236641 | 46.115  | ng     | 97   |
| 14) 1,2-Dichlorobenzene        | 8.42  | 146 | 226565 | 46.375  | ng     | 97   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 275259 | 36.236  | ng     | 97   |
| 17) 2-Methylphenol             | 8.51  | 107 | 130088 | 36.367  | ng     | 95   |
| 18) Hexachloroethane           | 9.15  | 117 | 84483  | 43.714  | ng     | 93   |
| 19) n-Nitroso-di-n-propylamine | 8.87  | 70  | 160701 | 43.922  | ng     | 94   |
| 20) 3+4-Methylphenols          | 8.84  | 107 | 175516 | 35.805  | ng     | 97   |
| 22) Acetophenone               | 8.88  | 105 | 314419 | 49.634  | ng     | # 98 |
| 24) Nitrobenzene               | 9.27  | 77  | 246794 | 51.173  | ng     | 97   |
| 25) Isophorone                 | 9.79  | 82  | 452199 | 50.916  | ng     | 98   |
| 26) 2-Nitrophenol              | 9.98  | 139 | 120717 | 58.799  | ng     | 93   |
| 27) 2,4-Dimethylphenol         | 10.04 | 122 | 149600 | 47.448  | ng     | 94   |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93  | 33923  | 6.732   | ng     | 98   |
| 29) 2,4-Dichlorophenol         | 10.52 | 162 | 221768 | 56.555  | ng     | 97   |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 252047 | 49.774  | ng     | 96   |
| 31) Naphthalene                | 10.92 | 128 | 632342 | 52.270  | ng     | 99   |
| 32) Benzoic acid               | 10.21 | 122 | 138493 | 54.828  | ng     | 96   |
| 33) 4-Chloroaniline            | 10.92 | 127 | 87332  | 16.636  | ng     | # 30 |
| 34) Hexachlorobutadiene        | 11.20 | 225 | 181377 | 47.837  | ng     | 99   |
| 35) Caprolactam                | 11.81 | 113 | 63405  | 45.851  | ng     | # 87 |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 203839 | 47.810  | ng     | 95   |
| 37) 2-Methylnaphthalene        | 12.51 | 142 | 467862 | 50.695  | ng     | 93   |
| 38) 1-Methylnaphthalene        | 12.73 | 142 | 438892 | 50.258  | ng     | 100  |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 304449 | 72.565  | ng     | 97   |
| 41) Hexachlorocyclopentadiene  | 12.87 | 237 | 395522 | 147.959 | ng     | 99   |
| 43) 2,4,6-Trichlorophenol      | 13.12 | 196 | 202927 | 82.637  | ng     | 99   |

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 Sample : K5140-04MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

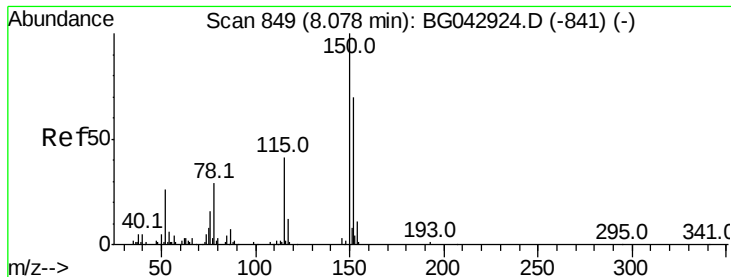
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

Quant Time: Oct 06 23:54:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 25 15:35:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 13.20 | 196  | 216884   | 85.735  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.52 | 154  | 638217   | 75.421  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.56 | 162  | 501354   | 79.024  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.76 | 65   | 86242    | 40.877  | ng    | 95       |
| 49) Acenaphthylene             | 14.41 | 152  | 252906   | 26.052  | ng    | 97       |
| 50) Dimethylphthalate          | 14.14 | 163  | 715550   | 85.585  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.25 | 165  | 147529   | 82.860  | ng    | 90       |
| 52) Acenaphthene               | 14.75 | 154  | 332959   | 51.241  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.60 | 138  | 23023    | 12.512  | ng    | # 99     |
| 54) 2,4-Dinitrophenol          | 14.79 | 184  | 190215   | 171.875 | ng    | 97       |
| 55) Dibenzofuran               | 15.08 | 168  | 754819   | 78.527  | ng    | 98       |
| 56) 4-Nitrophenol              | 14.91 | 139  | 205187   | 146.356 | ng    | 94       |
| 57) 2,4-Dinitrotoluene         | 15.04 | 165  | 208834   | 80.096  | ng    | 97       |
| 58) Fluorene                   | 15.73 | 166  | 613650   | 74.776  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.31 | 232  | 216521   | 80.387  | ng    | 98       |
| 60) Diethylphthalate           | 15.49 | 149  | 620068   | 72.875  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204  | 372043   | 75.591  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.75 | 138  | 39984    | 19.925  | ng    | 92       |
| 63) Azobenzene                 | 16.01 | 77   | 181826   | 23.472  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 132288   | 62.678  | ng    | 95       |
| 67) 4-Bromophenyl-phenylether  | 16.61 | 248  | 257012   | 54.901  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.73 | 284  | 290391   | 55.712  | ng    | 97       |
| 69) Atrazine                   | 17.08 | 200  | 65560    | 15.812  | ng    | # 37     |
| 70) Pentachlorophenol          | 17.08 | 266  | 362706   | 120.595 | ng    | 99       |
| 71) Phenanthrene               | 17.47 | 178  | 988222   | 54.270  | ng    | 98       |
| 72) Anthracene                 | 17.56 | 178  | 884435   | 48.653  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 1033444  | 51.382  | ng    | 98       |
| 75) Fluoranthene               | 19.47 | 202  | 1150866  | 47.783  | ng    | 99       |
| 77) Benzidine                  | 20.03 | 184  | 33787    | 3.799   | ng    | # 93     |
| 78) Pyrene                     | 19.83 | 202  | 608171   | 28.689  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.72 | 149  | 227189   | 28.234  | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.67 | 228  | 1145126  | 51.744  | ng    | 98       |
| 83) Chrysene                   | 21.74 | 228  | 1196387  | 55.708  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 710894   | 62.088  | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.79 | 149  | 1197623  | 63.966  | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.57 | 276  | 769655   | 28.787  | ng    | # 76     |
| 88) Benzo(b)fluoranthene       | 23.89 | 252  | 1211956  | 551.034 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 23.95 | 252  | 835983   | 384.212 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.75 | 252  | 455101   | 219.318 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.64 | 278  | 1138060  | 534.848 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 29.72 | 276  | 549529   | 266.544 | ng    | 98       |

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



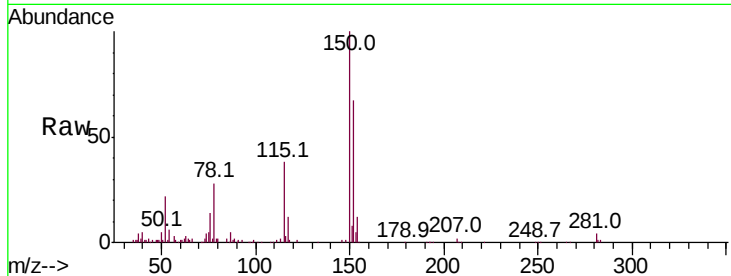


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.3 | 115.0 | 172.4 |
| 115     | 56.4  | 47.0  | 70.6  |

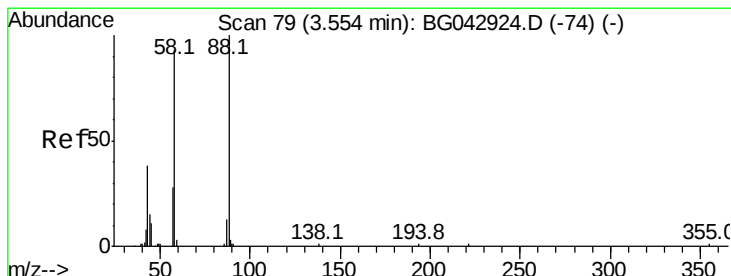
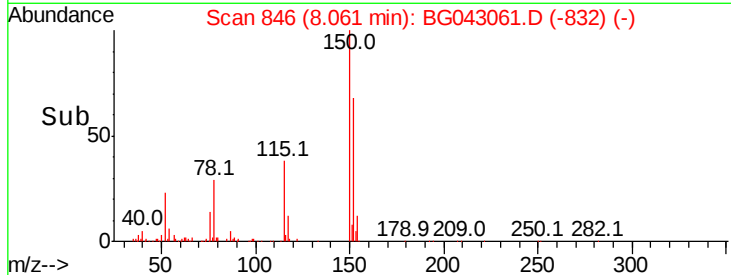
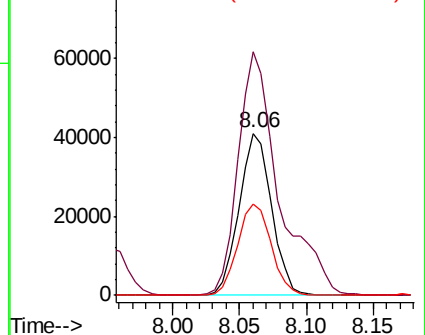


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

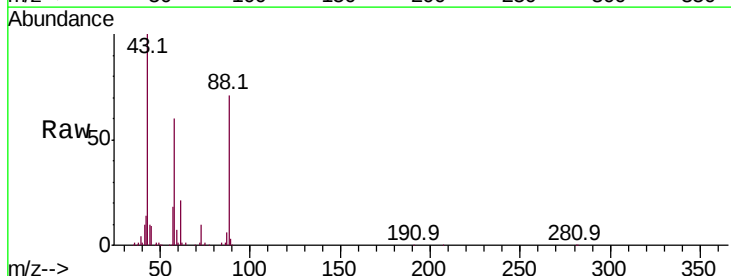
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 37.459 ng  
RT: 3.56 min Scan# 80  
Delta R.T. 0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 82.8  | 74.3  | 111.5 |
| 43      | 138.3 | 29.8  | 44.8# |

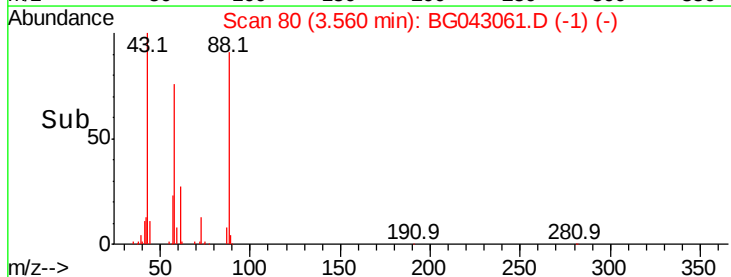
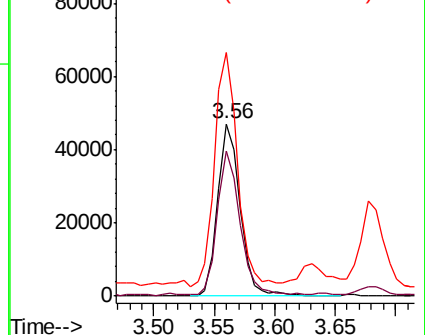


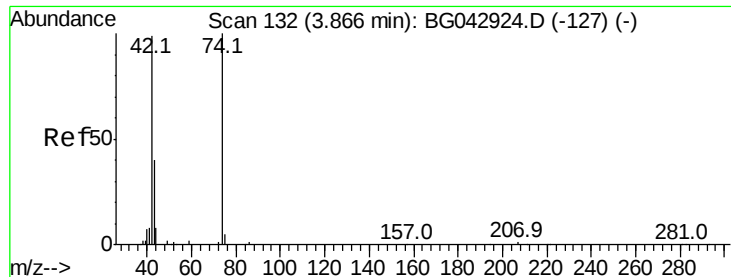
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



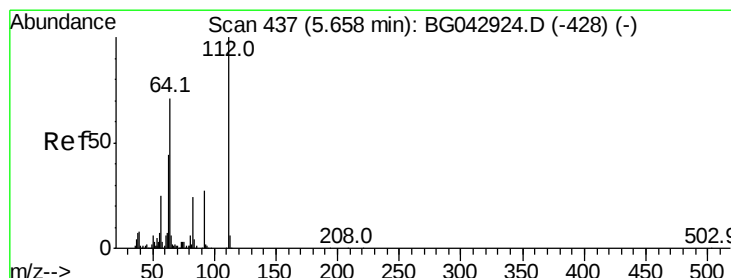
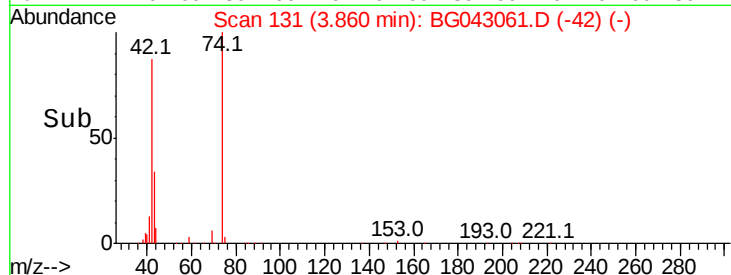
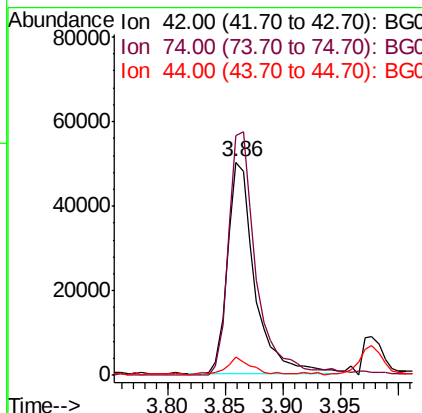
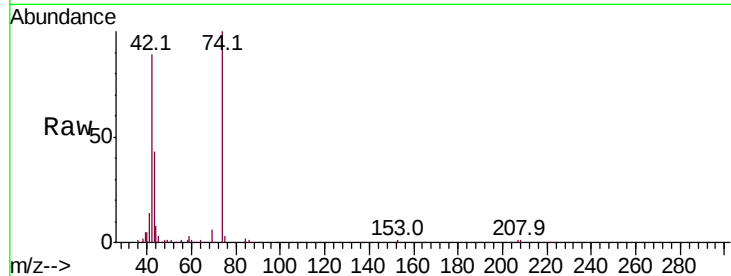


#4

n-Nitrosodimethylamine  
 Concen: 37.092 ng  
 RT: 3.86 min Scan# 131  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

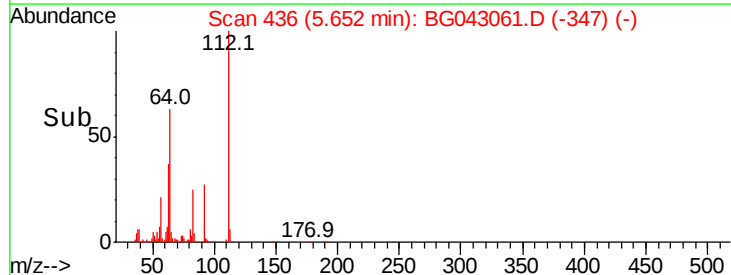
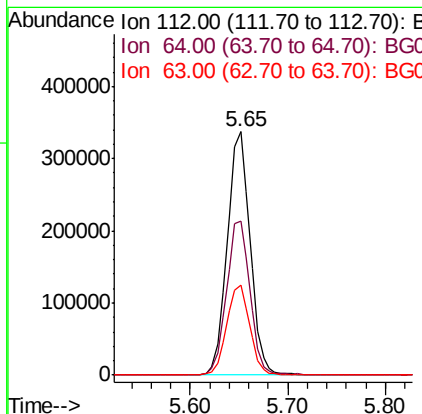
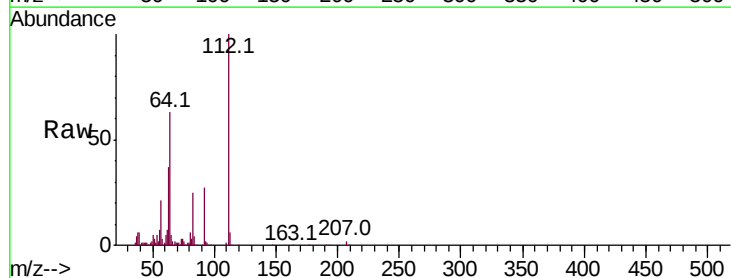
| Tot Ion   | 42    | Resp  | 80935 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 112.4 | 80.5  | 120.7 |
| 44        | 8.5   | 6.9   | 10.3  |

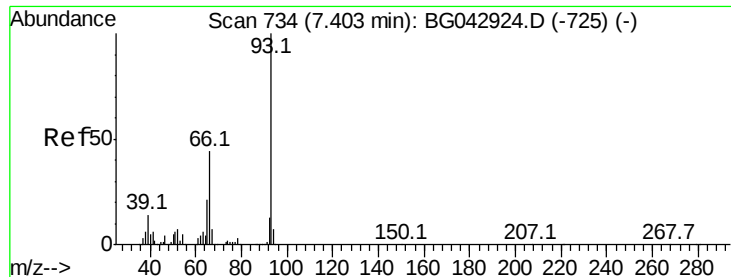


#5

2-Fluorophenol  
 Concen: 141.701 ng  
 RT: 5.65 min Scan# 436  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

| Tgt Ion   | 112   | Resp  | 548290 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 63.4  | 56.6  | 84.8   |
| 63        | 37.2  | 35.1  | 52.7   |





#6

Aniline

Concen: 27.516 ng

RT: 7.48 min Scan# 748

Delta R.T. 0.08 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

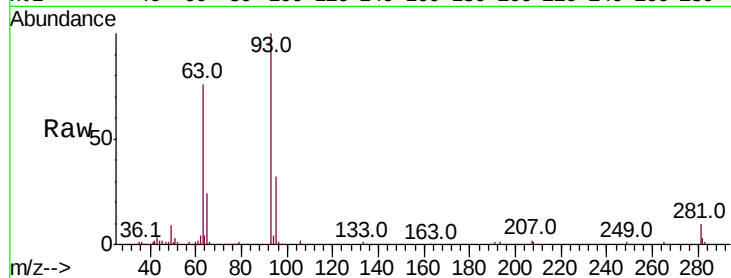
Tot Ion: 93 Resp: 185079

Ion Ratio Lower Upper

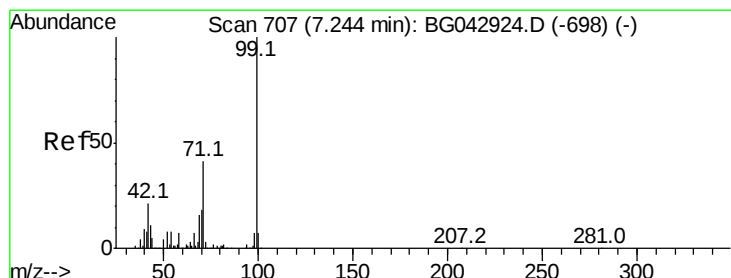
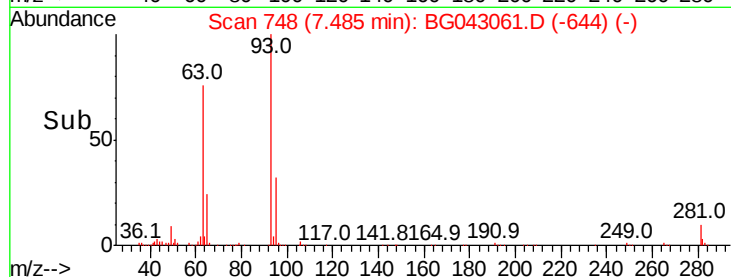
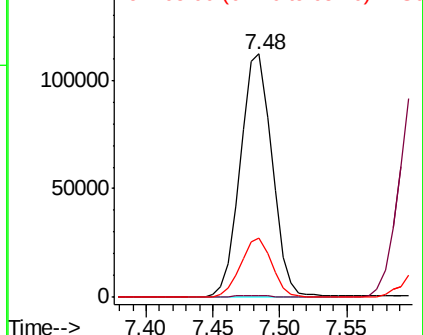
93 100

66 0.9 35.0 52.6#

65 24.2 17.4 26.0



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: 102.829 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

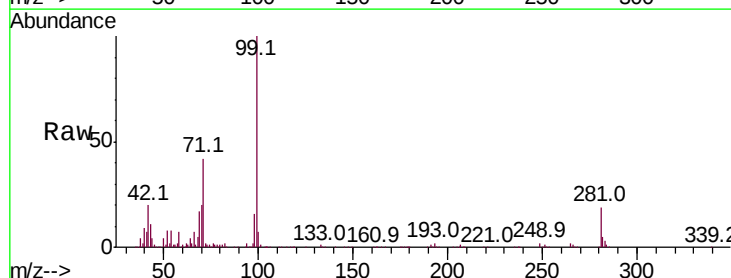
Tgt Ion: 99 Resp: 572969

Ion Ratio Lower Upper

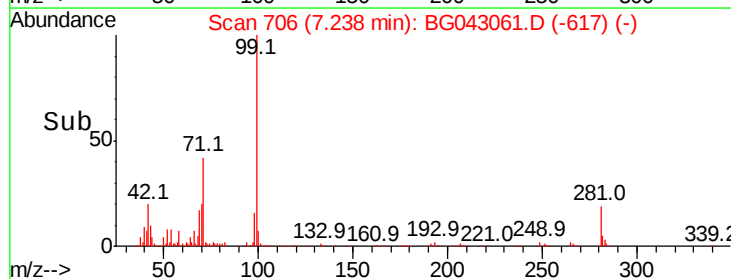
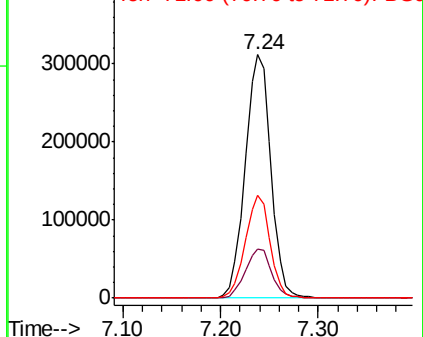
99 100

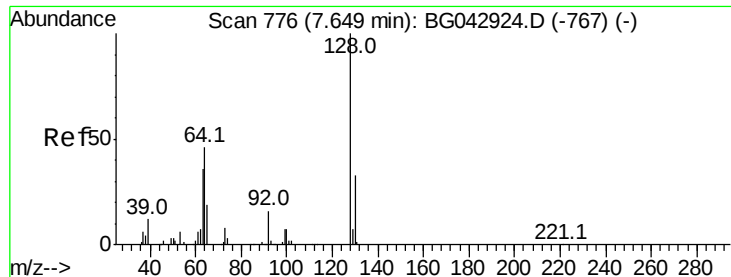
42 20.0 17.2 25.8

71 42.4 33.1 49.7



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





#8

2-Chlorophenol

Concen: 52.649 ng

RT: 7.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

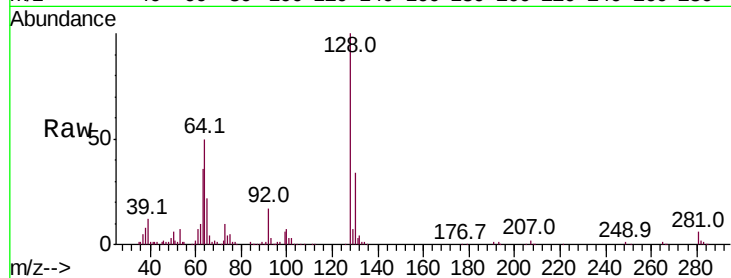
Tot Ion:128 Resp: 212449

Ion Ratio Lower Upper

128 100

130 34.3 12.5 52.5

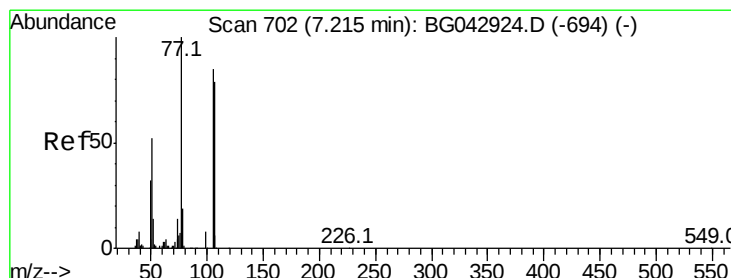
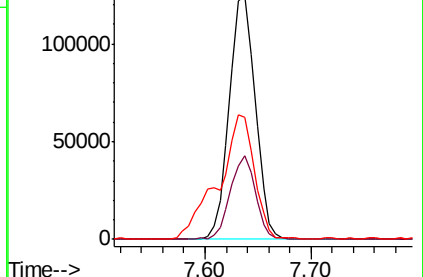
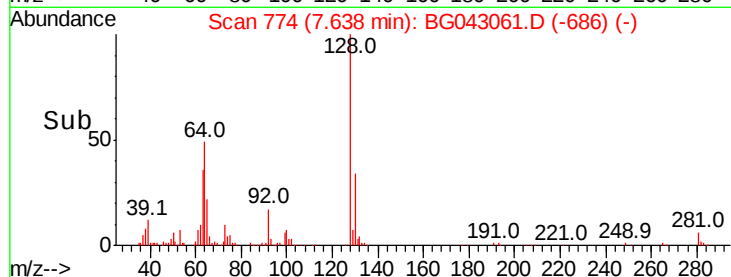
64 49.9 32.8 72.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#9

Benzaldehyde

Concen: 26.130 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

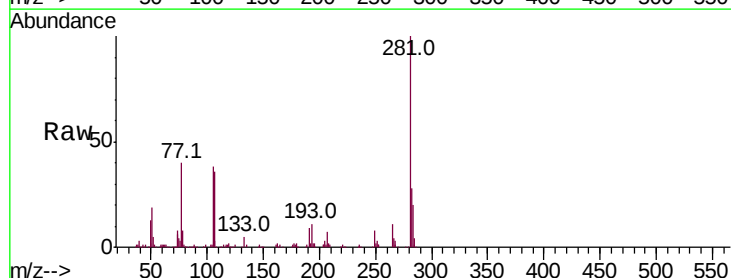
Tgt Ion: 77 Resp: 88969

Ion Ratio Lower Upper

77 100

105 96.9 64.6 104.6

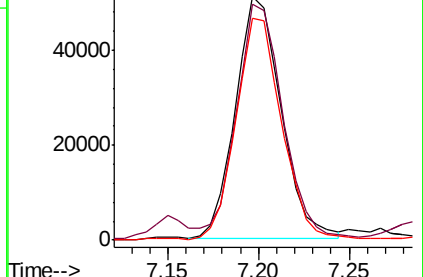
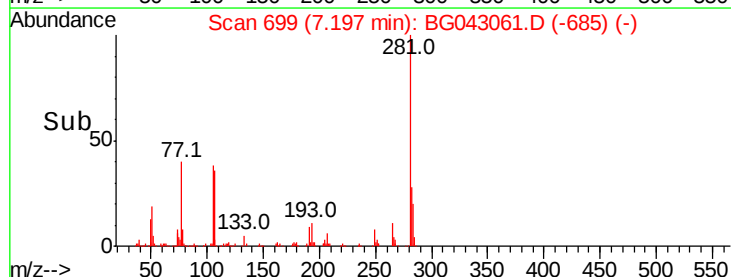
106 91.3 59.4 99.4

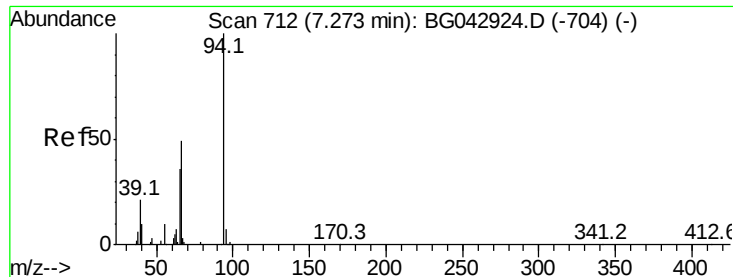


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 44.244 ng

RT: 7.26 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

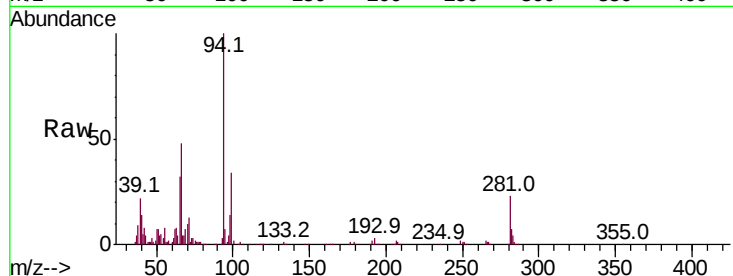
Tot Ion: 94 Resp: 226187

Ion Ratio Lower Upper

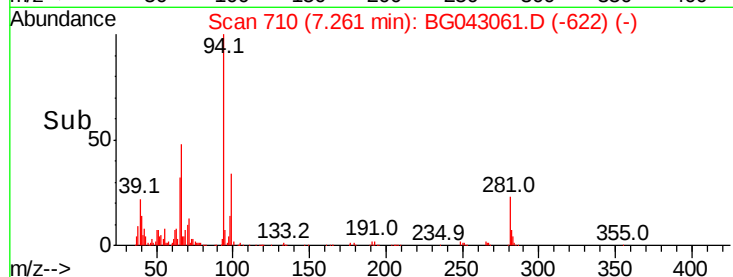
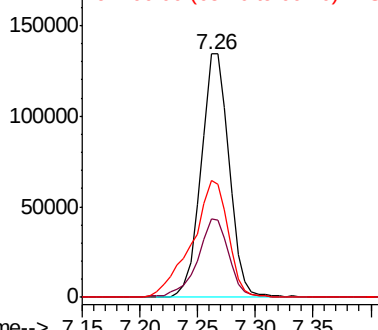
94 100

65 32.3 16.6 56.6

66 47.8 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: 46.791 ng

RT: 7.48 min Scan# 748

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

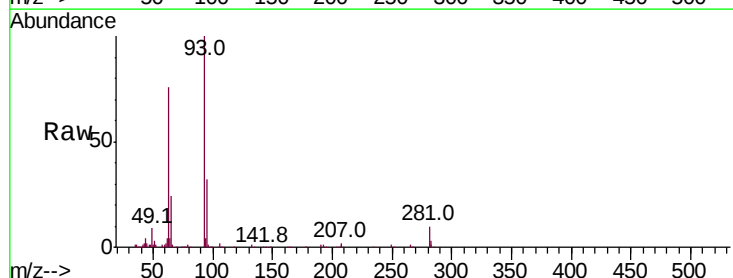
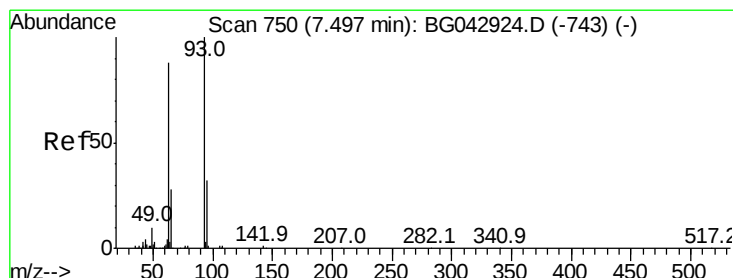
Tgt Ion: 93 Resp: 185079

Ion Ratio Lower Upper

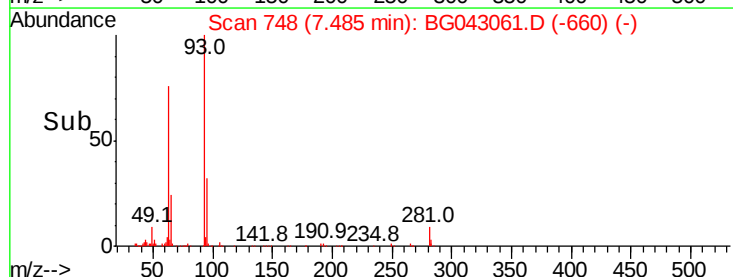
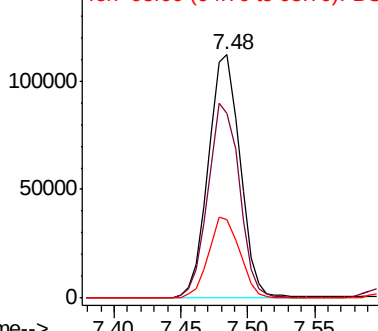
93 100

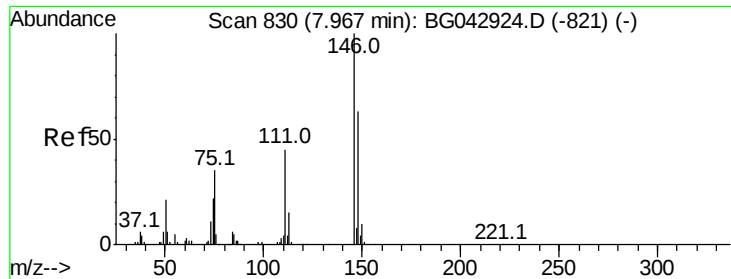
63 76.1 67.4 107.4

95 32.4 11.9 51.9



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

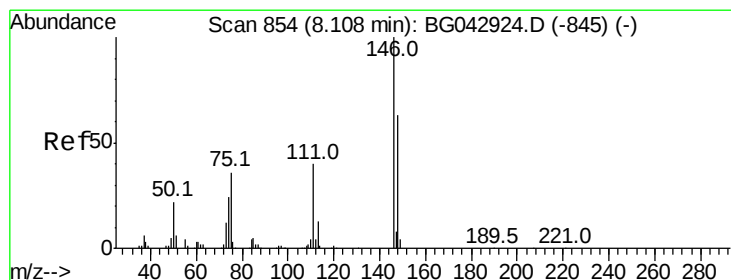
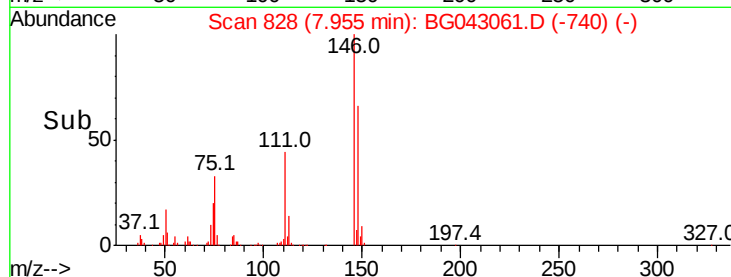
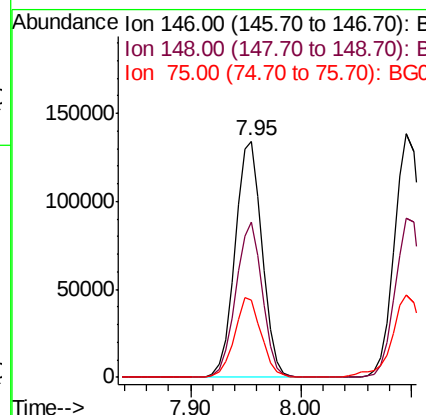
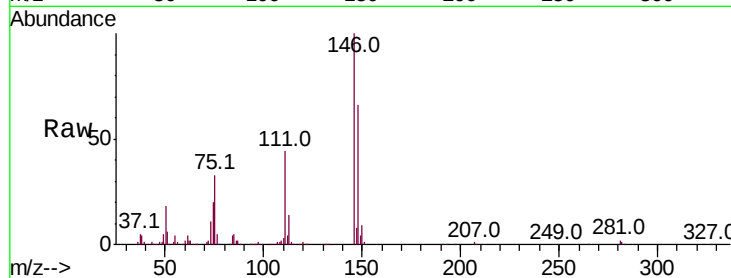




#12  
 1,3-Dichlorobenzene  
 Concen: 44.608 ng  
 RT: 7.95 min Scan# 828  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

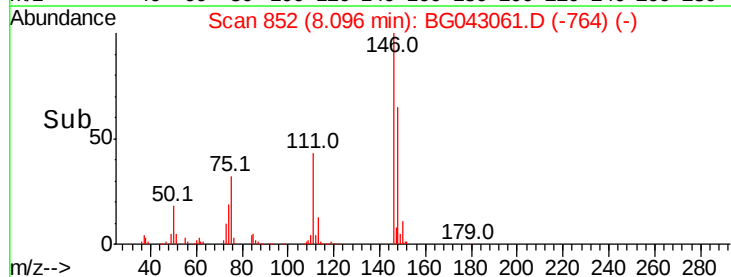
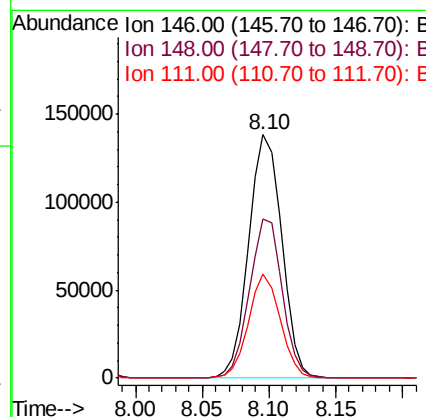
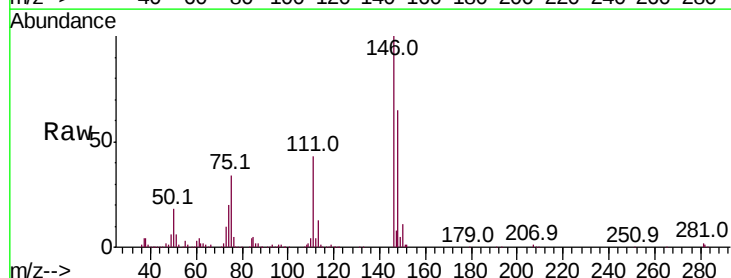
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

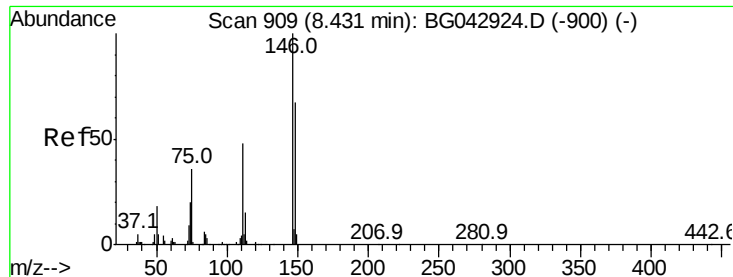
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.8  | 50.7  | 76.1  |
| 75      | 33.0  | 27.7  | 41.5  |



#13  
 1,4-Dichlorobenzene  
 Concen: 46.115 ng  
 RT: 8.10 min Scan# 852  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.4  | 50.9  | 76.3  |
| 111     | 42.5  | 31.8  | 47.8  |





#14

1,2-Dichlorobenzene

Concen: 46.375 ng

RT: 8.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

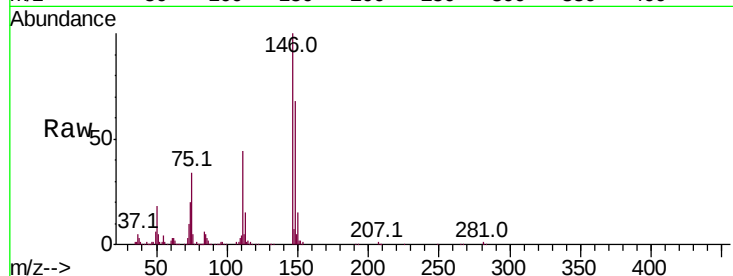
Tot Ion:146 Resp: 226565

Ion Ratio Lower Upper

146 100

148 67.5 53.4 80.2

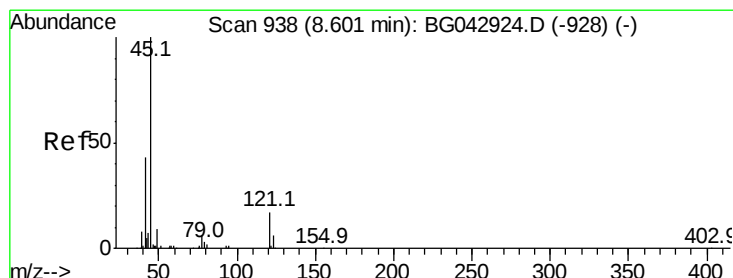
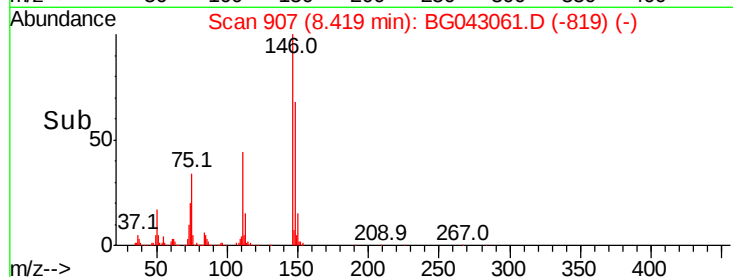
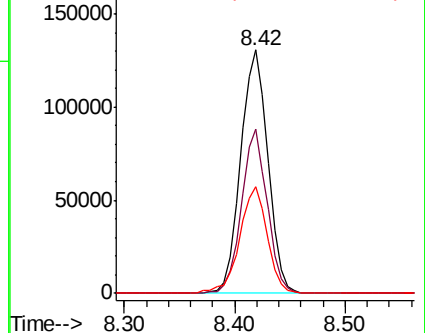
111 43.9 38.5 57.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.236 ng

RT: 8.58 min Scan# 935

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

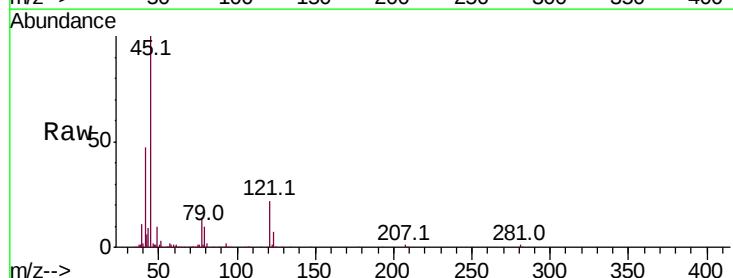
Tgt Ion: 45 Resp: 275259

Ion Ratio Lower Upper

45 100

77 13.9 0.0 32.8

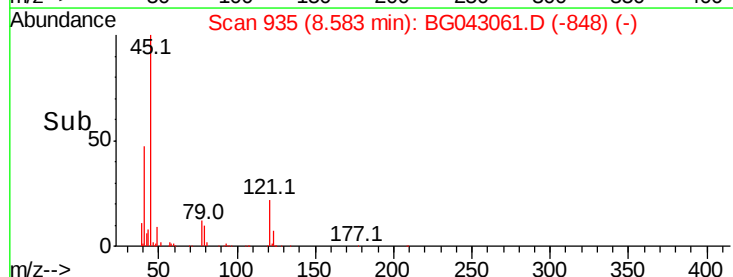
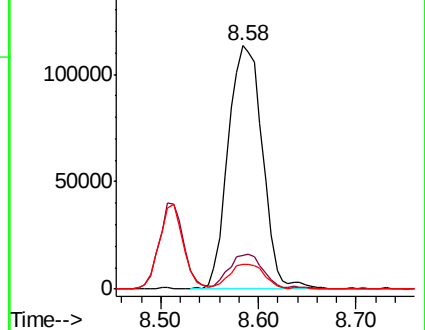
79 10.3 0.0 29.4

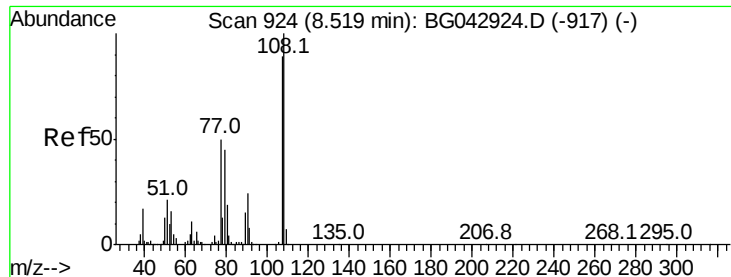


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 36.367 ng

RT: 8.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

Tot Ion:107 Resp: 130088

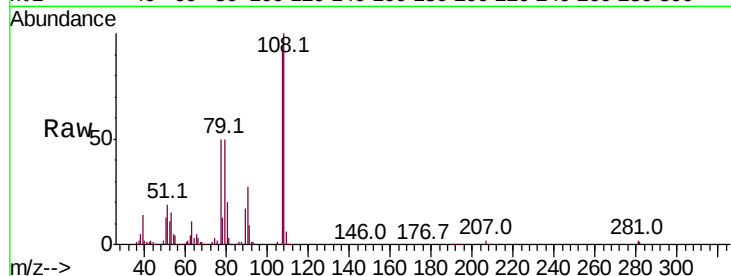
Ion Ratio Lower Upper

107 100

108 106.7 89.9 134.9

77 52.9 45.4 68.2

79 53.2 41.4 62.0

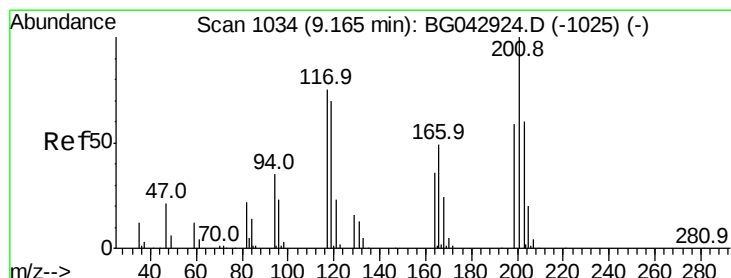
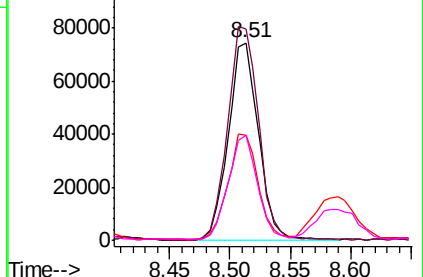
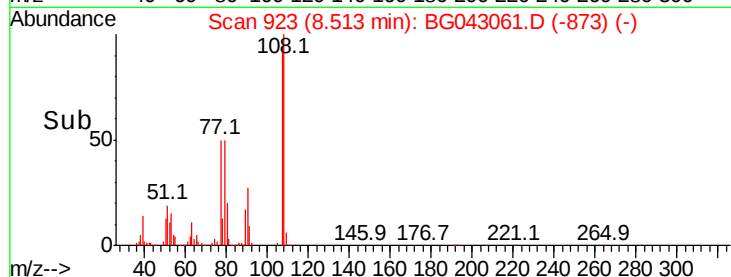


Abundance Ion 107.00 (106.70 to 107.70): E

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: 43.714 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

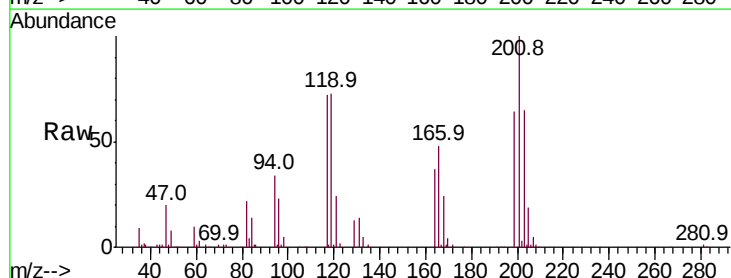
Tgt Ion:117 Resp: 84483

Ion Ratio Lower Upper

117 100

119 101.9 74.6 111.8

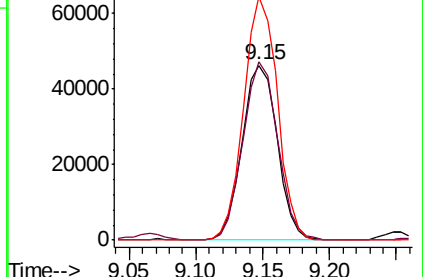
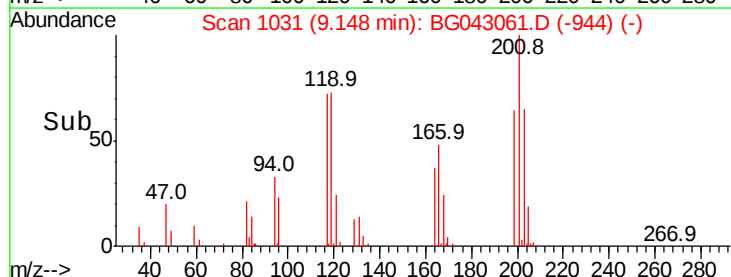
201 139.1 106.0 159.0

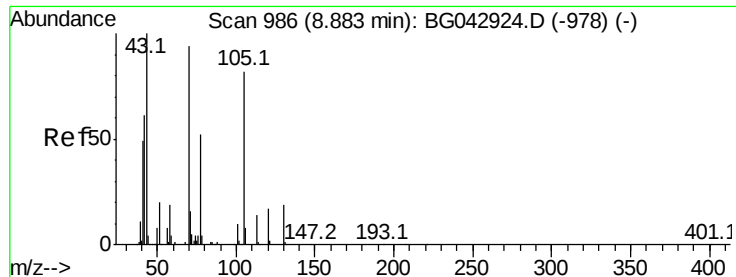


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

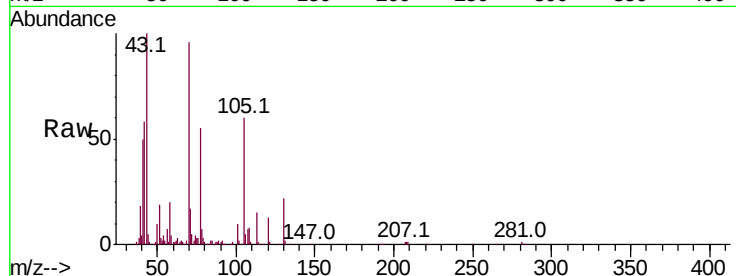




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.922 ng  
RT: 8.87 min Scan# 983  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 160701 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 60.4  | 52.6  | 79.0   |
| 101      | 10.9  | 8.7   | 13.1   |
| 130      | 23.0  | 15.8  | 23.8   |



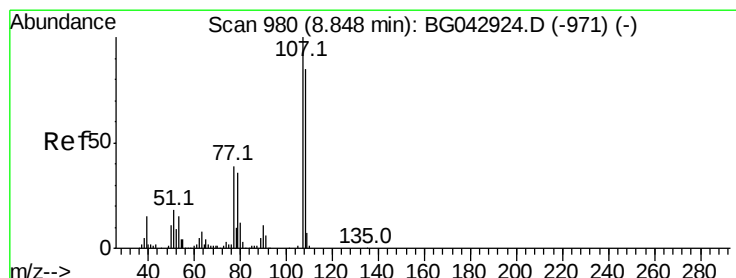
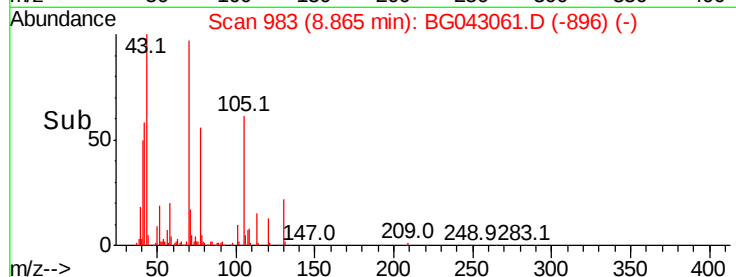
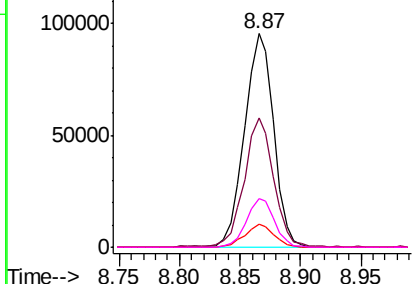
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

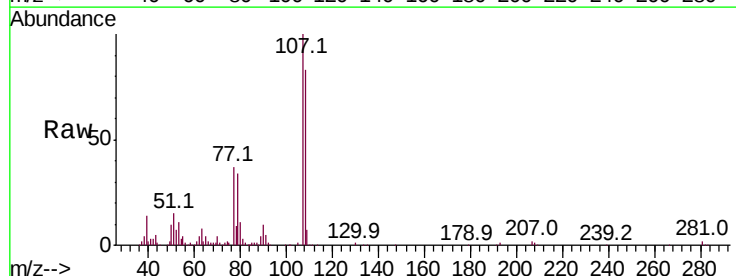
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20  
3+4-Methylphenols  
Concen: 35.805 ng  
RT: 8.84 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 175516 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 83.2  | 64.9  | 104.9  |
| 77       | 37.0  | 19.4  | 59.4   |
| 79       | 33.8  | 16.2  | 56.2   |



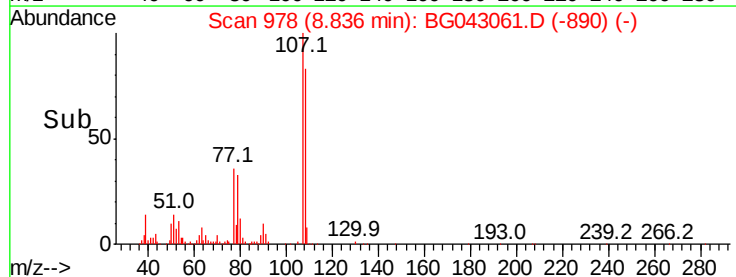
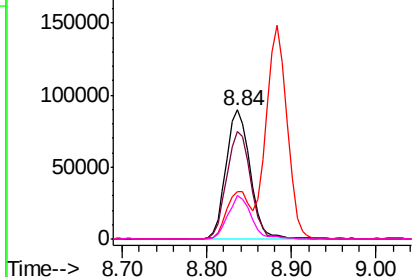
Abundance

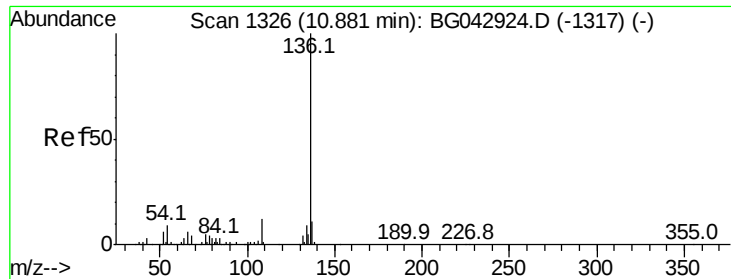
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

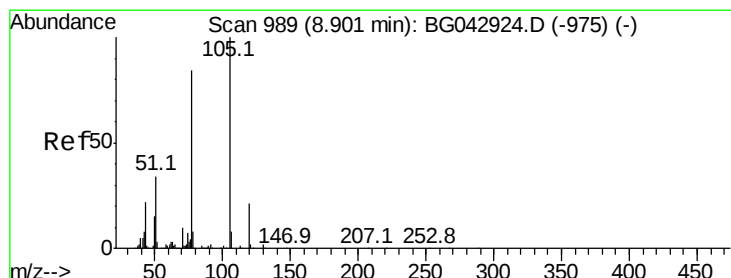
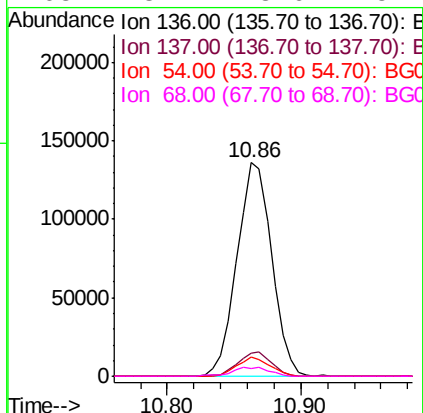
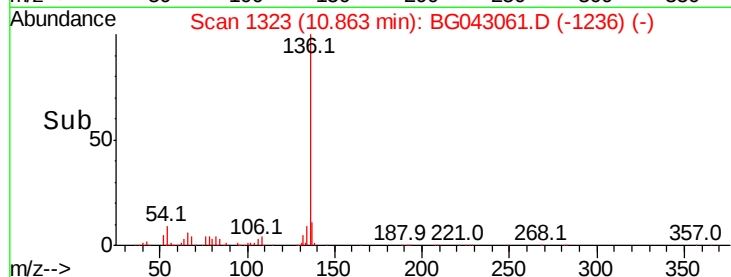
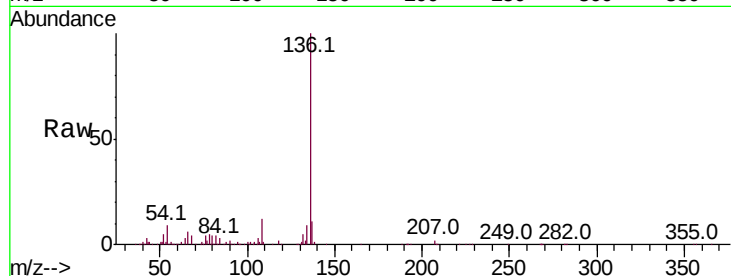




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

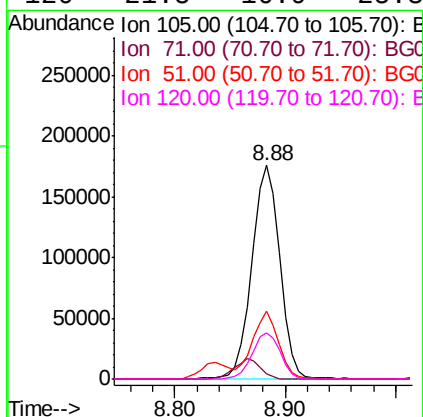
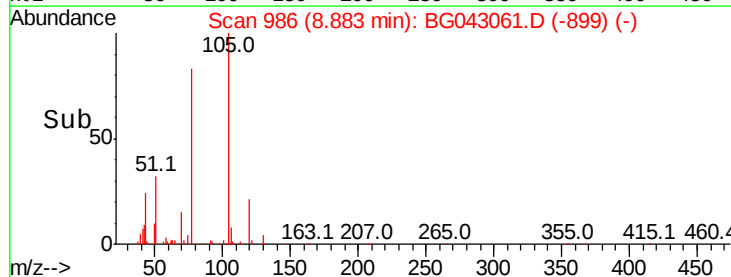
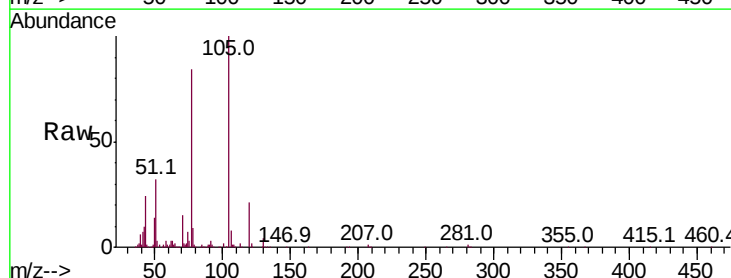
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

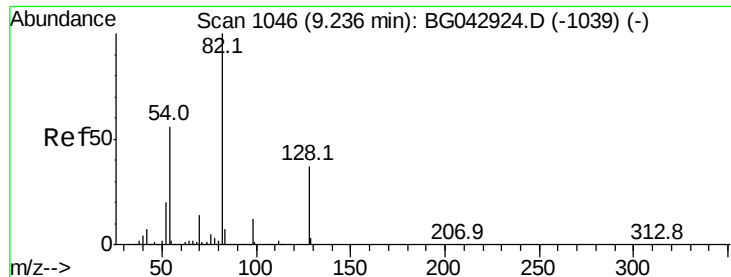
|             |              |
|-------------|--------------|
| Tot Ion:136 | Resp: 245755 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.5 12.7     |
| 54 9.2      | 7.4 11.2     |
| 68 3.7      | 3.6 5.4      |



#22  
Acetophenone  
Concen: 49.634 ng  
RT: 8.88 min Scan# 986  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 314419 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 2.3     | 1.2   | 1.8#   |
| 51  | 32.0    | 27.2  | 40.8   |
| 120 | 21.5    | 16.9  | 25.3   |

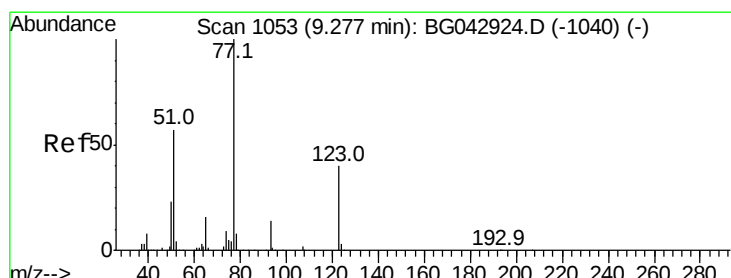
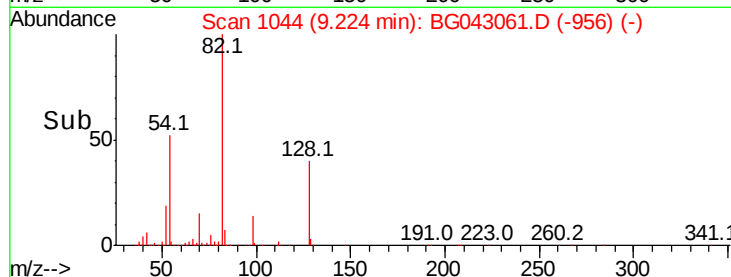
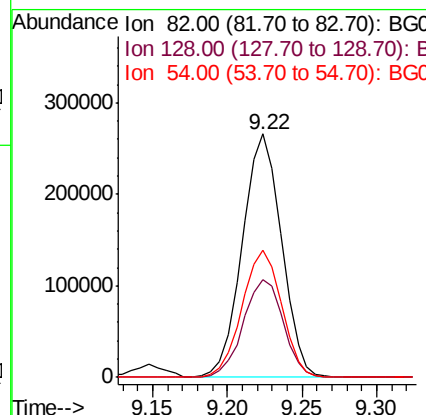
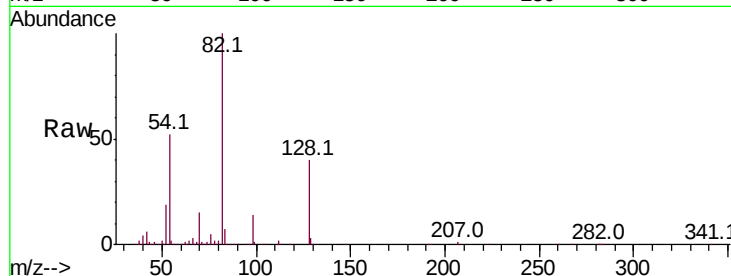




#23  
Nitrobenzene-d5  
Concen: 95.358 ng  
RT: 9.22 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

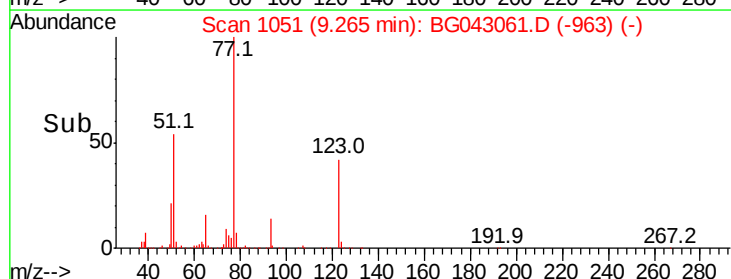
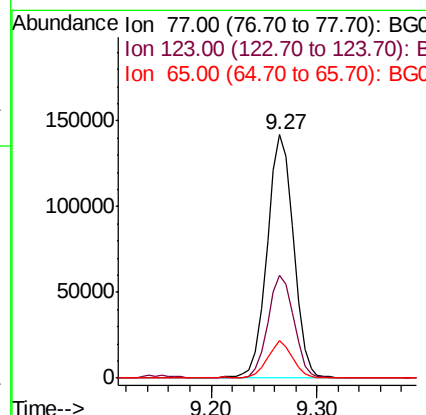
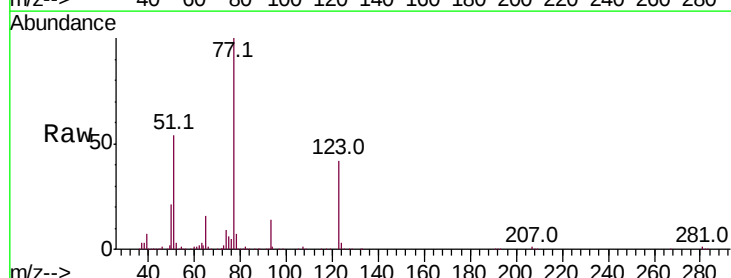
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

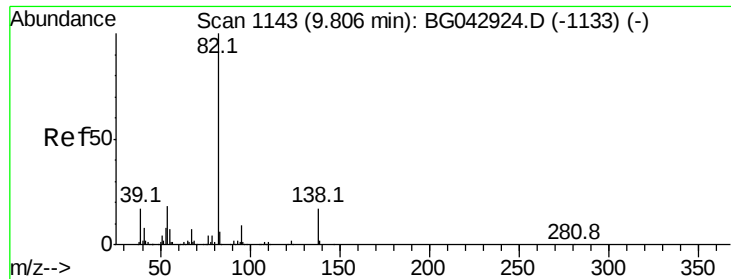
| Tot Ion   | 82   | Resp  | 482142 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 40.0 | 29.5  | 44.3   |
| 54        | 52.2 | 44.6  | 67.0   |



#24  
Nitrobenzene  
Concen: 51.173 ng  
RT: 9.27 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion   | 77   | Resp  | 246794 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 123       | 42.0 | 31.9  | 47.9   |
| 65        | 15.5 | 12.4  | 18.6   |





#25

Isophorone

Concen: 50.916 ng

RT: 9.79 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

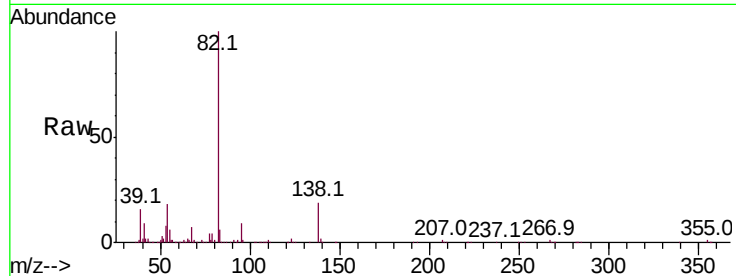
Tot Ion: 82 Resp: 452199

Ion Ratio Lower Upper

82 100

95 8.7 7.0 10.4

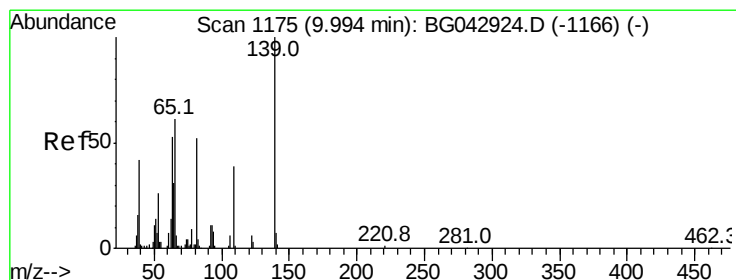
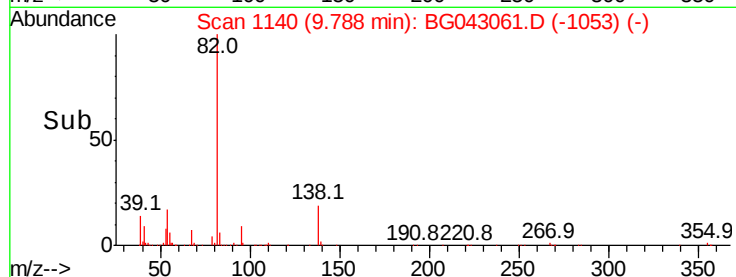
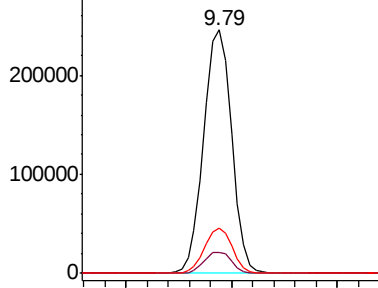
138 18.7 13.8 20.6



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: 58.799 ng

RT: 9.98 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

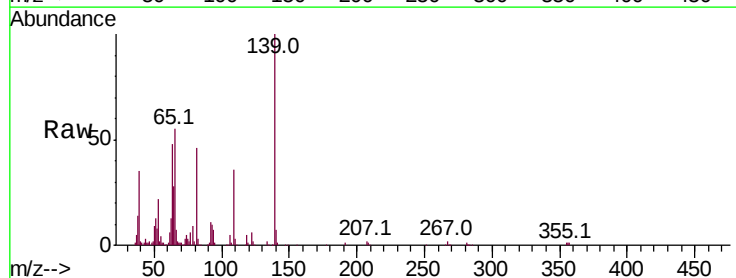
Tgt Ion: 139 Resp: 120717

Ion Ratio Lower Upper

139 100

109 36.1 31.0 46.6

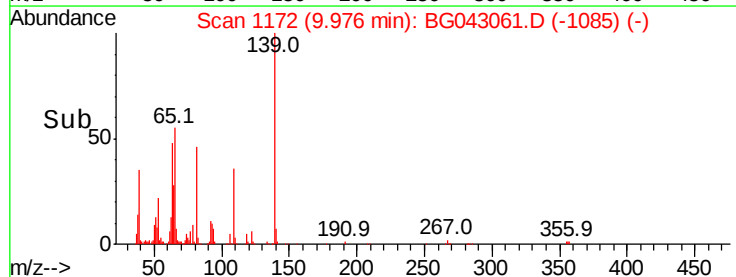
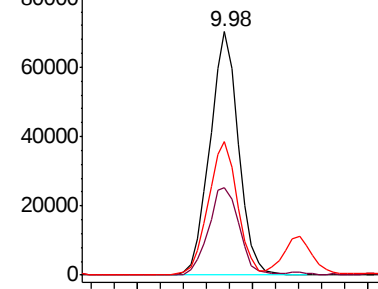
65 54.6 48.4 72.6

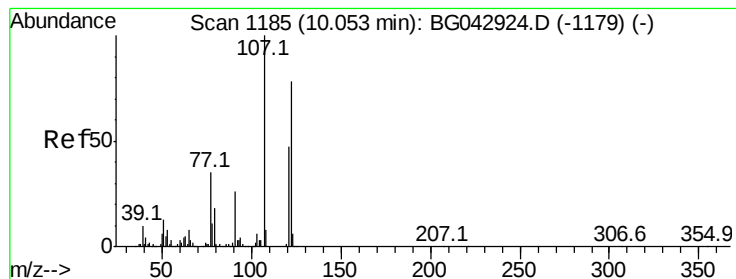


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#27

2,4-Dimethylphenol

Concen: 47.448 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

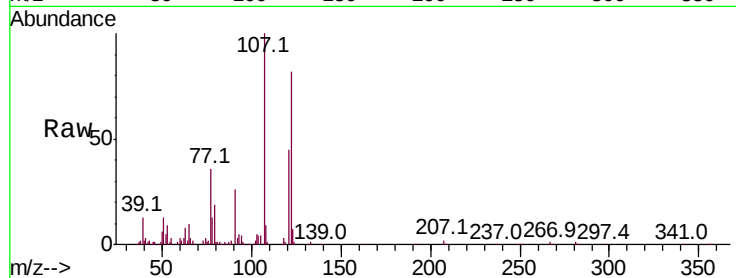
Tot Ion:122 Resp: 149600

Ion Ratio Lower Upper

122 100

107 121.9 102.2 153.2

121 55.0 48.5 72.7

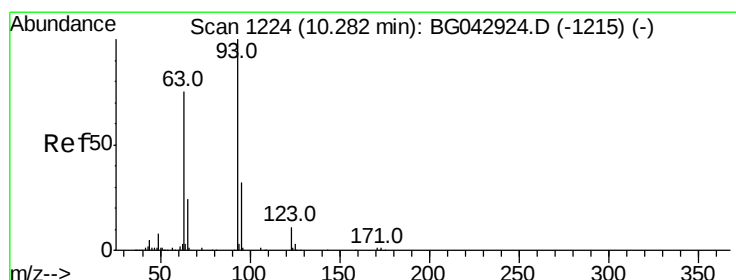
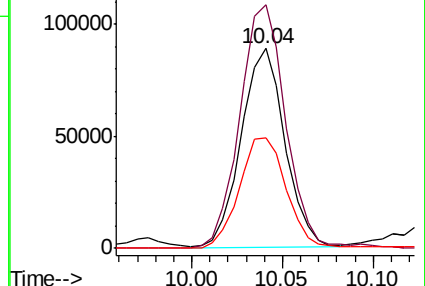
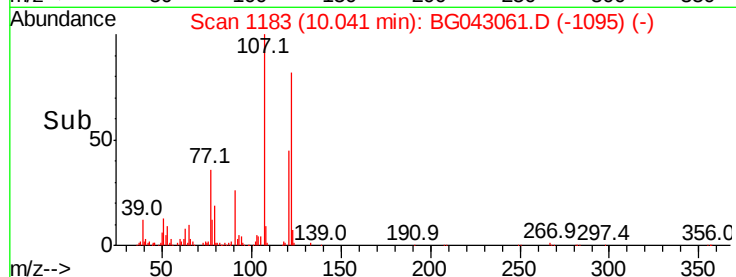


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.732 ng

RT: 10.26 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

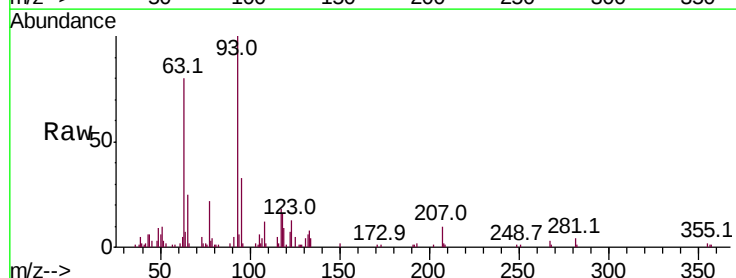
Tgt Ion: 93 Resp: 33923

Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.0

123 12.9 9.3 13.9

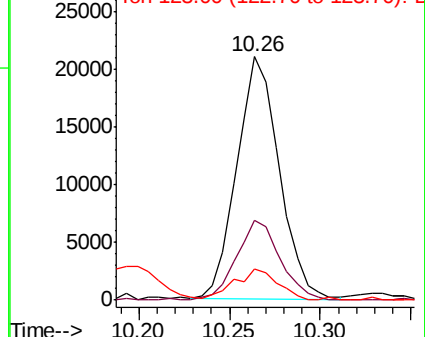
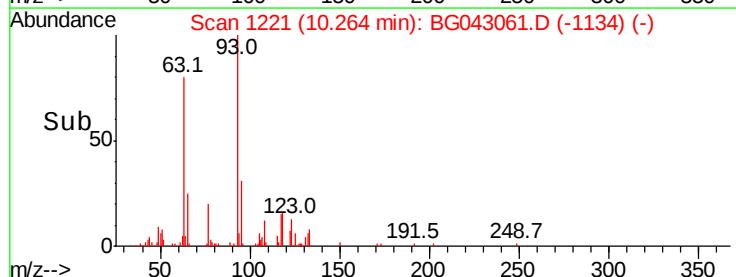


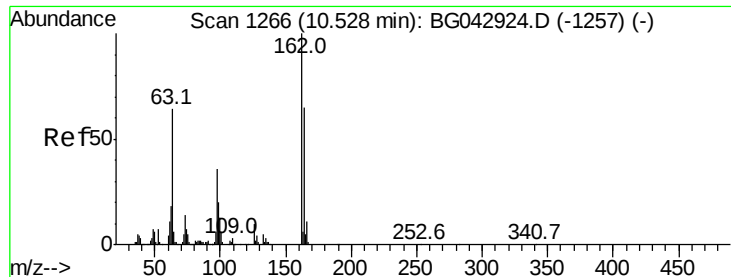
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

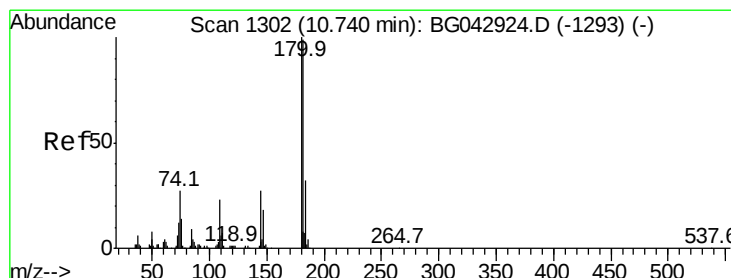
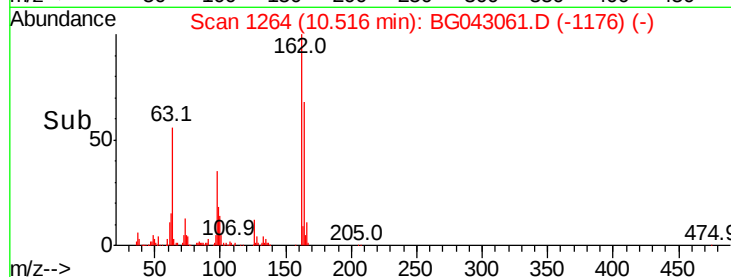
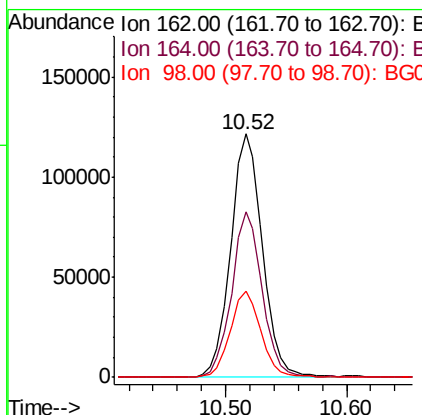
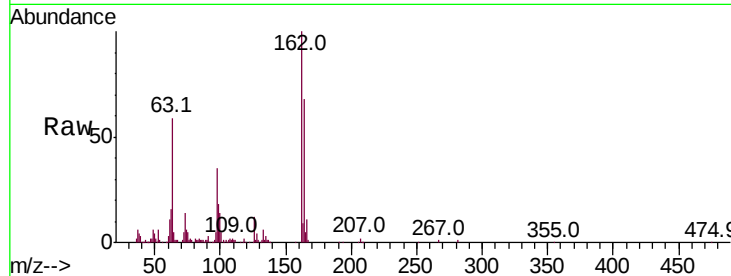




#29  
 2,4-Dichlorophenol  
 Concen: 56.555 ng  
 RT: 10.52 min Scan# 1264  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

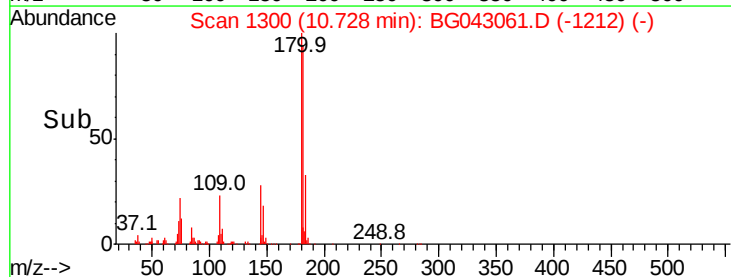
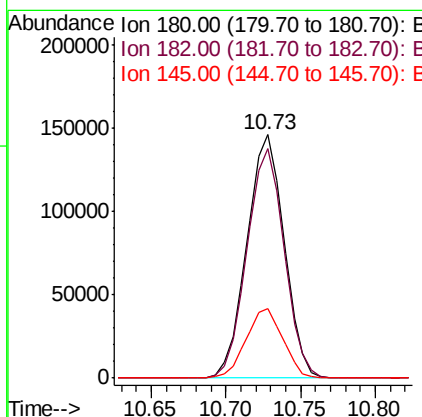
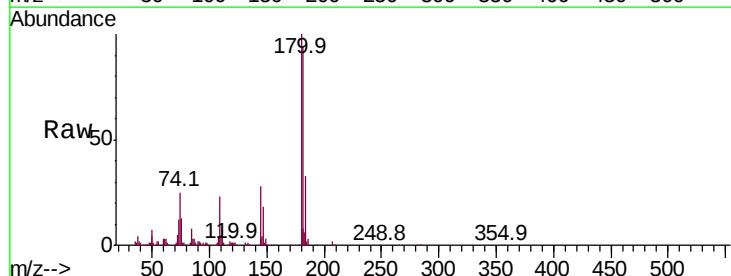
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

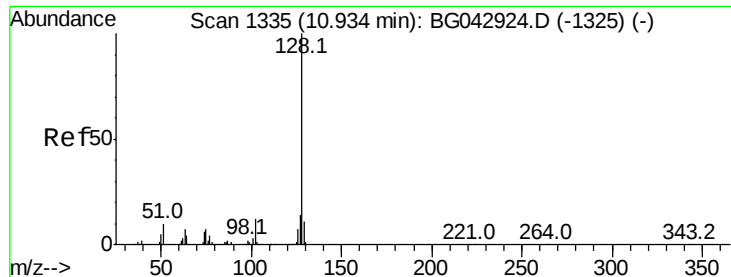
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 67.9  | 44.7  | 84.7  |
| 98      | 35.3  | 16.0  | 56.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 49.774 ng  
 RT: 10.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 79.3  | 118.9 |
| 145     | 28.5  | 22.0  | 33.0  |

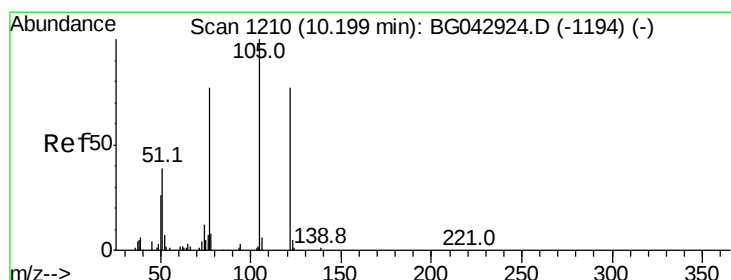
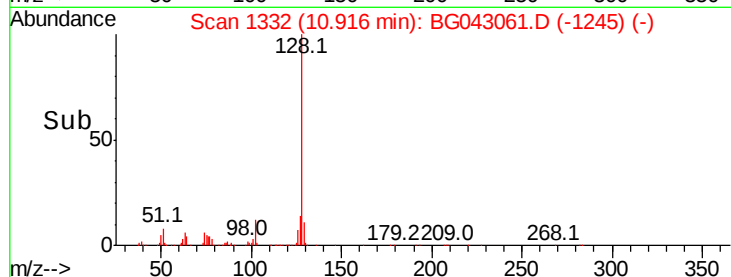
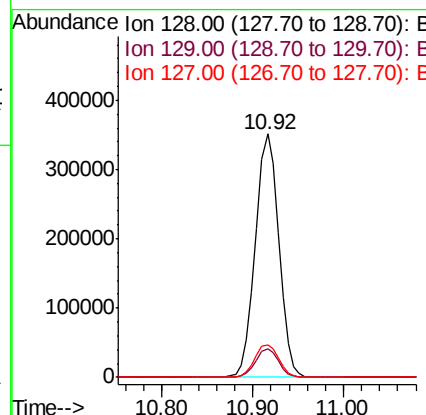
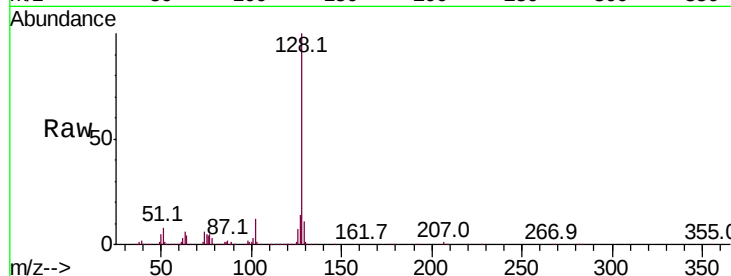




#31  
Naphthalene  
Concen: 52.270 ng  
RT: 10.92 min Scan# 1332  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

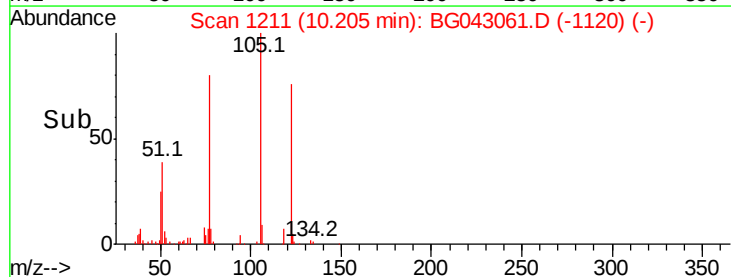
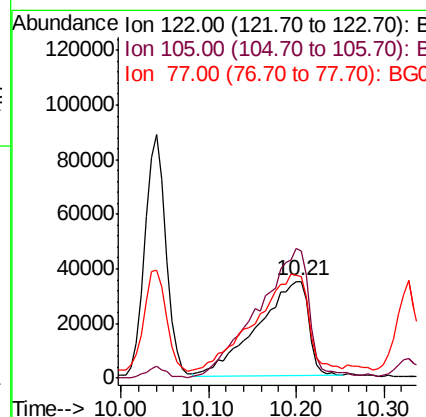
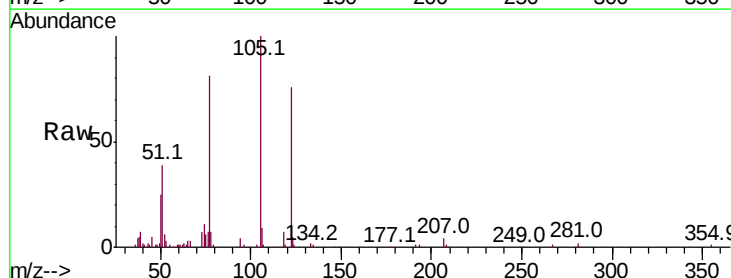
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

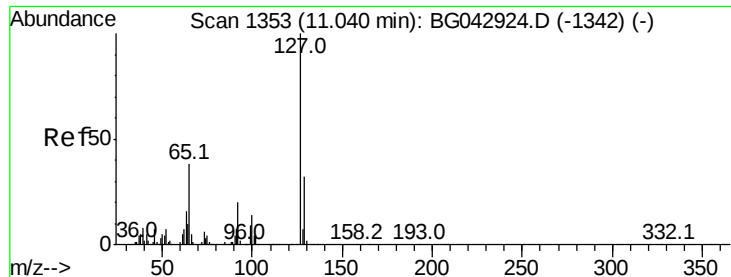
Tot Ion:128 Resp: 632342  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.8 13.2  
127 13.5 11.3 16.9



#32  
Benzoic acid  
Concen: 54.828 ng  
RT: 10.21 min Scan# 1211  
Delta R.T. 0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Tgt Ion:122 Resp: 138493  
Ion Ratio Lower Upper  
122 100  
105 131.0 107.5 147.5  
77 105.6 79.8 119.8

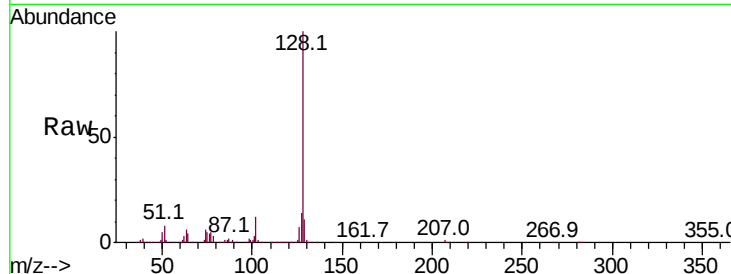




#33  
4-Chloroaniline  
Concen: 16.636 ng  
RT: 10.92 min Scan# 1332  
Delta R.T. -0.12 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 85.0  | 26.2  | 39.2# |
| 65      | 0.0   | 30.6  | 45.8# |
| 92      | 0.0   | 16.2  | 24.4# |



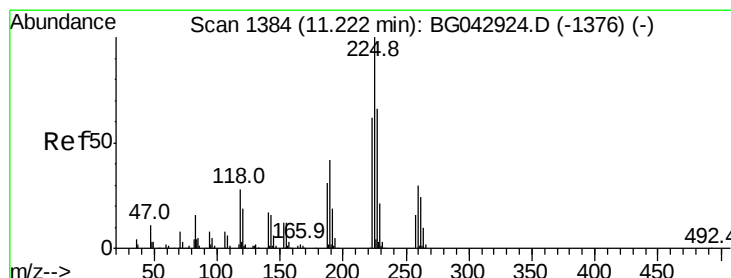
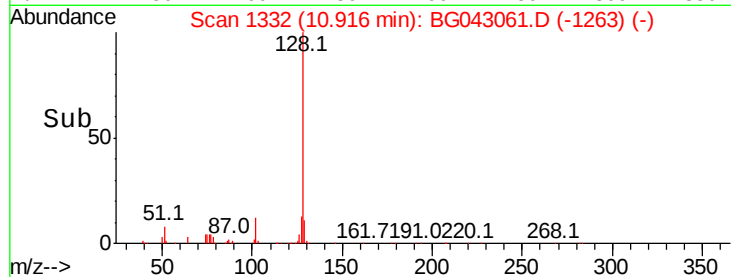
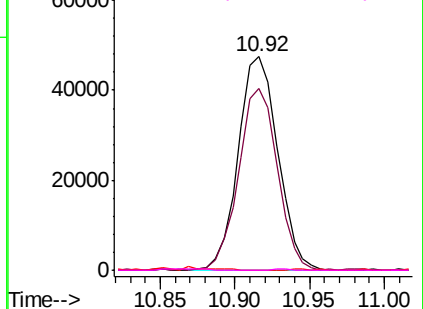
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

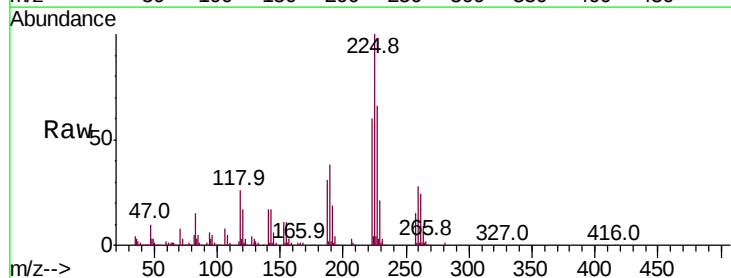
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34  
Hexachlorobutadiene  
Concen: 47.837 ng  
RT: 11.20 min Scan# 1381  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.1  | 49.3  | 73.9  |
| 227     | 65.7  | 52.8  | 79.2  |

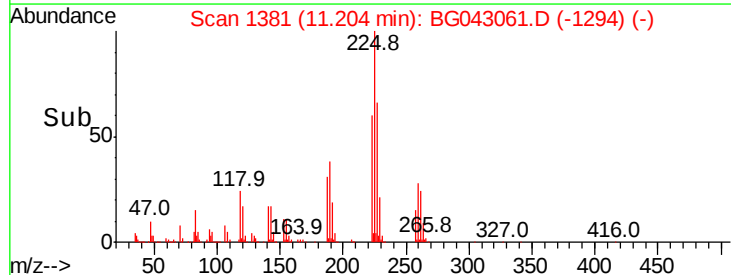
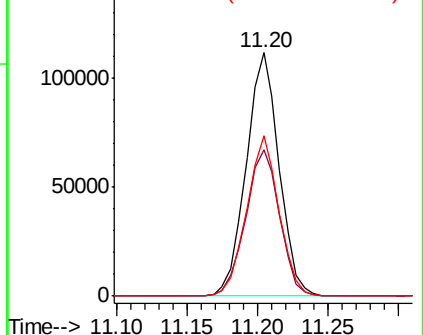


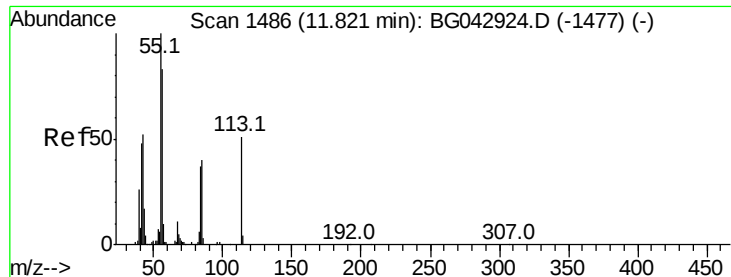
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

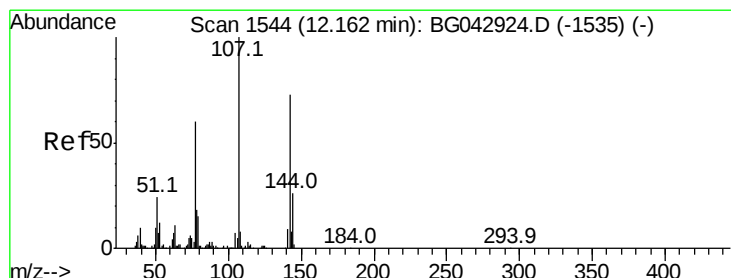
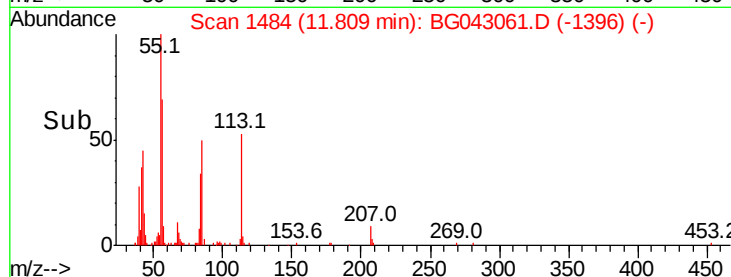
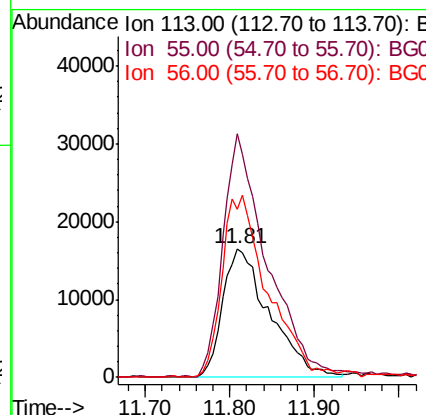
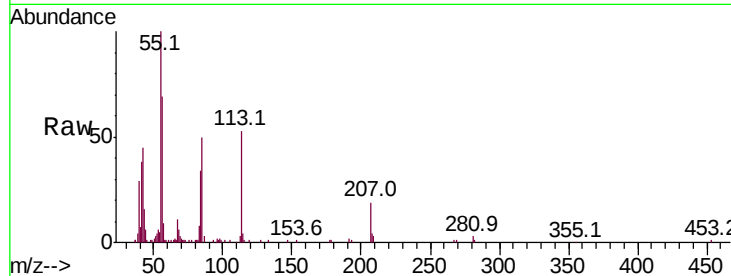




#35  
 Caprolactam  
 Concen: 45.851 ng  
 RT: 11.81 min Scan# 1484  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

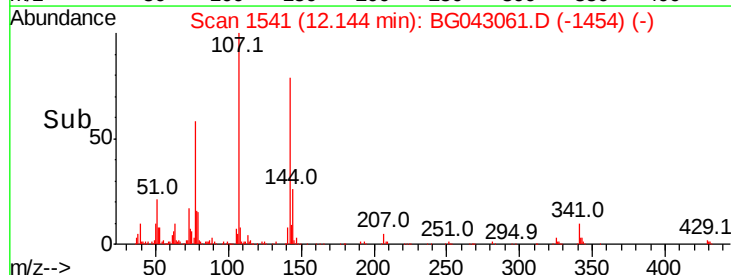
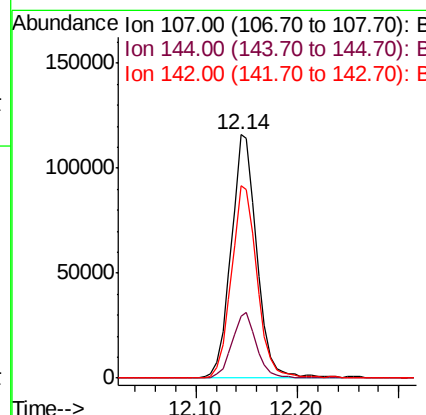
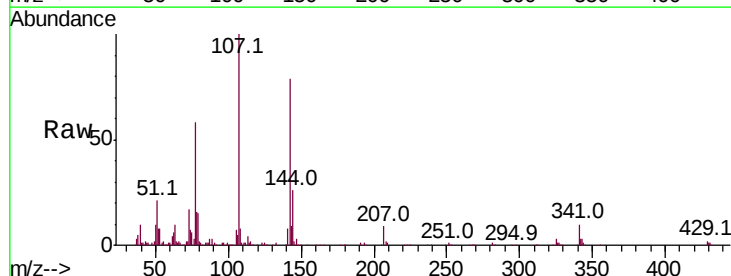
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

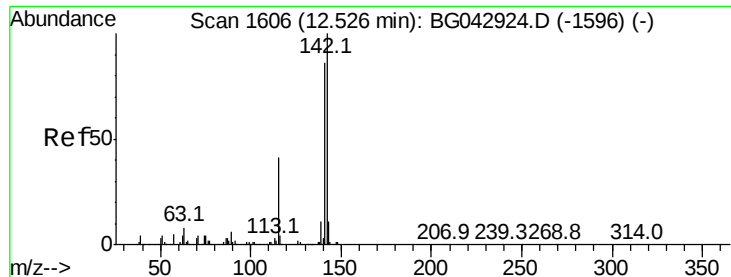
Tot Ion:113 Resp: 63405  
 Ion Ratio Lower Upper  
 113 100  
 55 189.4 175.5 215.5  
 56 130.7 142.3 182.3#



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.810 ng  
 RT: 12.14 min Scan# 1541  
 Delta R.T. -0.02 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

Tgt Ion:107 Resp: 203839  
 Ion Ratio Lower Upper  
 107 100  
 144 25.6 20.7 31.1  
 142 79.2 58.6 87.8

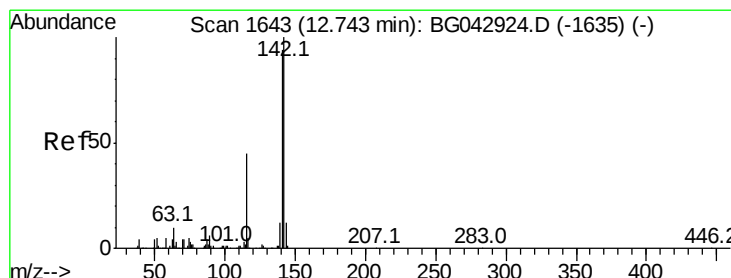
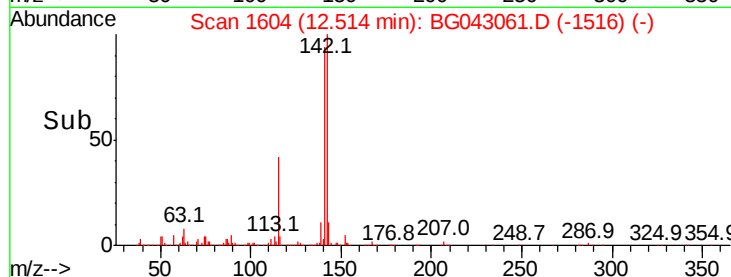
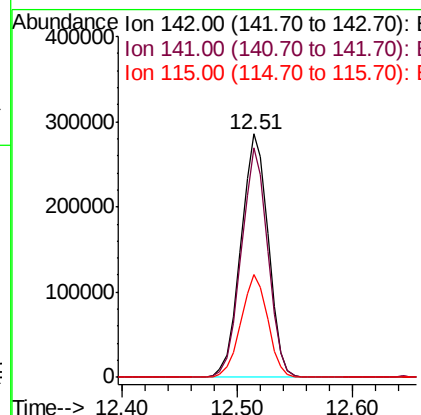
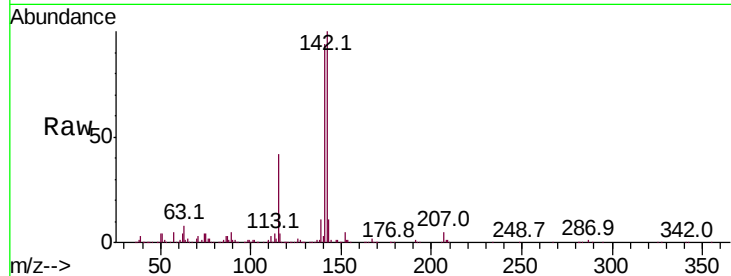




#37  
2-Methylnaphthalene  
Concen: 50.695 ng  
RT: 12.51 min Scan# 1604  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

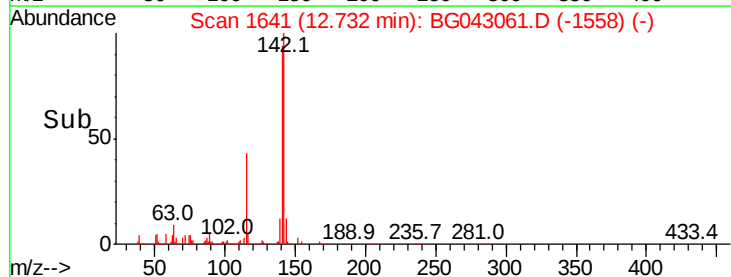
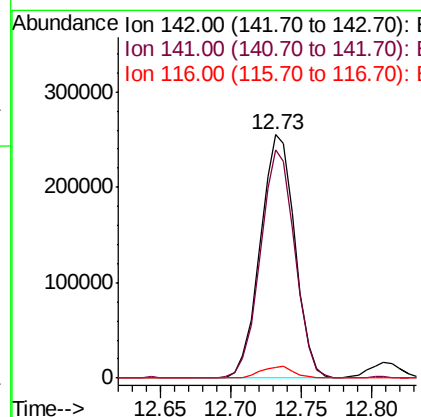
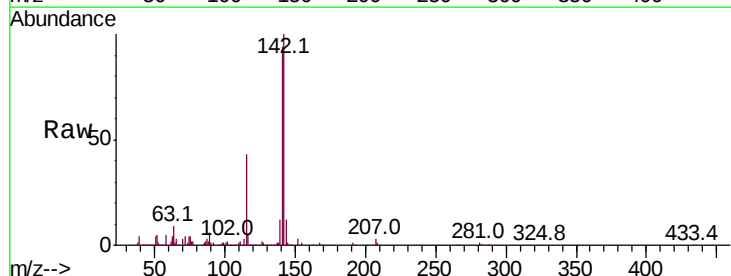
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

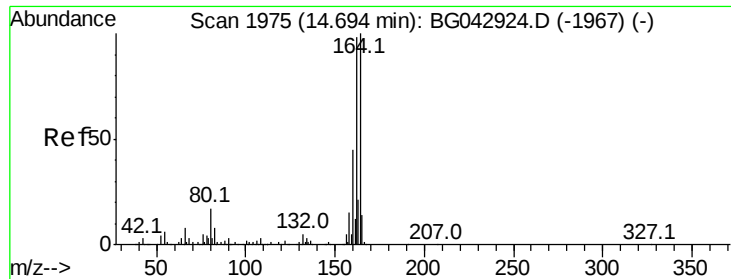
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.1  | 69.0  | 103.4 |
| 115     | 42.4  | 32.8  | 49.2  |



#38  
1-Methylnaphthalene  
Concen: 50.258 ng  
RT: 12.73 min Scan# 1641  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.9  | 74.9  | 112.3 |
| 116     | 4.6   | 3.7   | 5.5   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

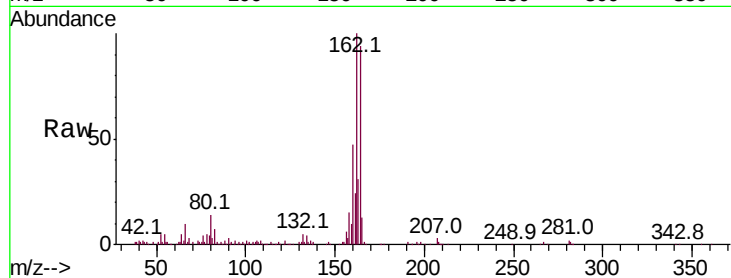
Tot Ion:164 Resp: 111585

Ion Ratio Lower Upper

164 100

162 106.4 78.5 117.7

160 49.9 35.9 53.9

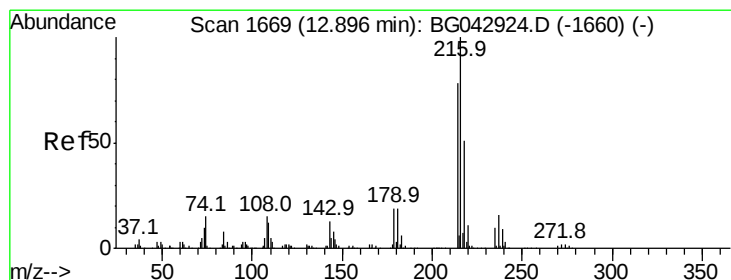
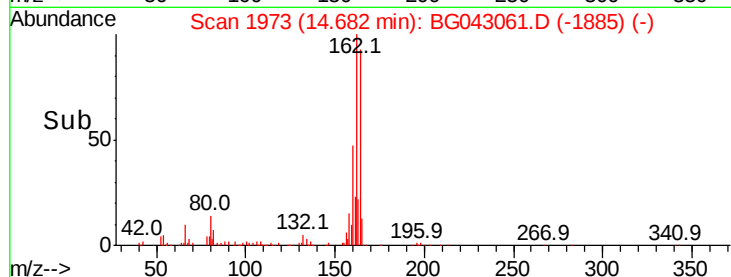
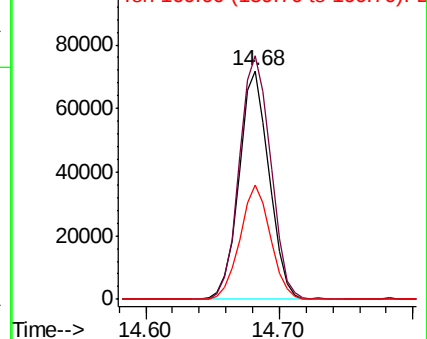


Abundance

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: 72.565 ng

RT: 12.88 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Tgt Ion:216 Resp: 304449

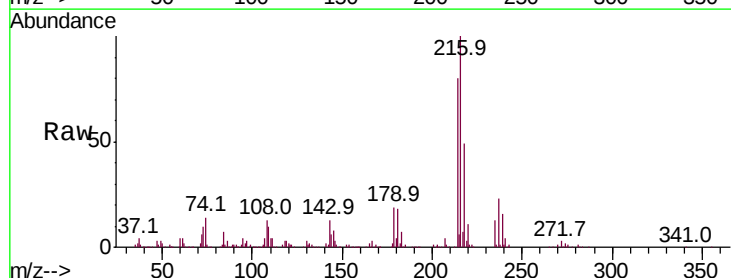
Ion Ratio Lower Upper

216 100

214 80.6 62.4 93.6

179 20.4 15.4 23.2

108 16.8 12.6 19.0



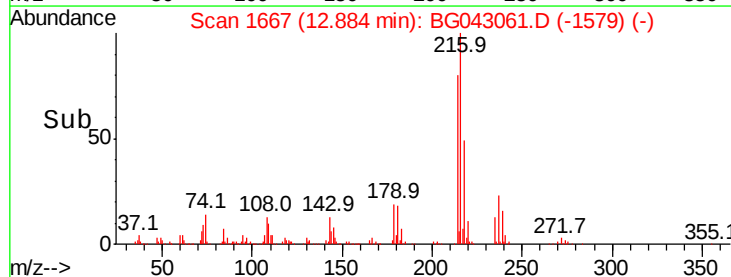
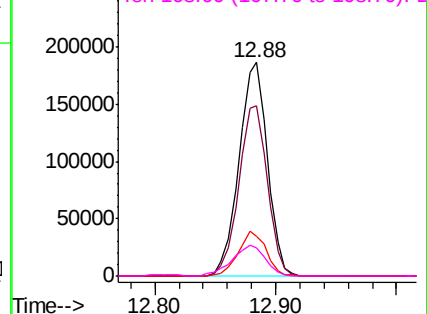
Abundance

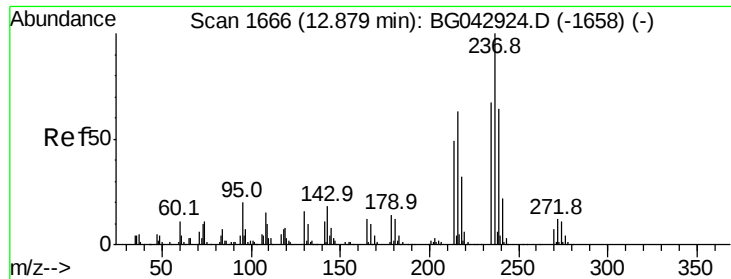
Ion 216.00 (215.70 to 216.70): E

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: 147.959 ng

RT: 12.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

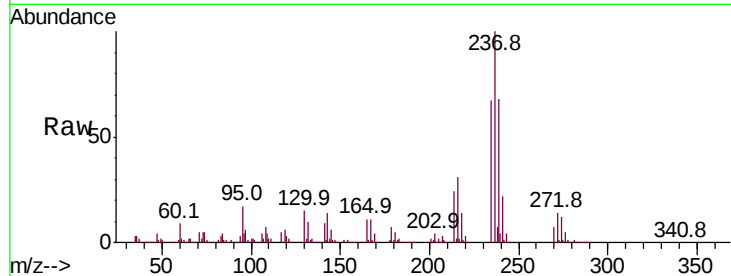
Tot Ion:237 Resp: 395522

Ion Ratio Lower Upper

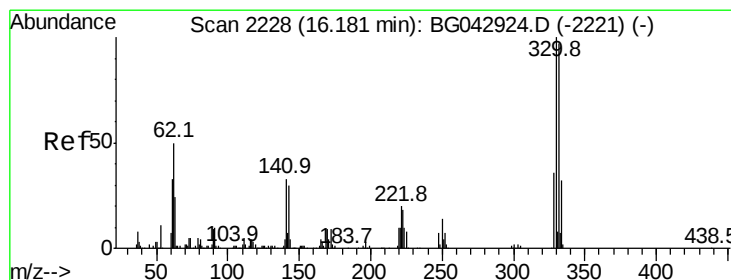
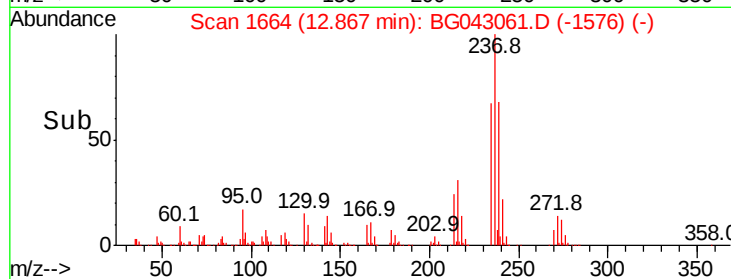
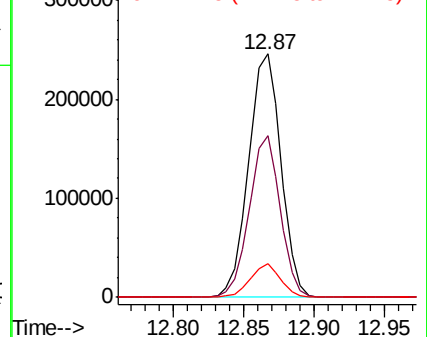
237 100

235 66.7 46.7 86.7

272 13.8 0.0 32.3



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: 230.145 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

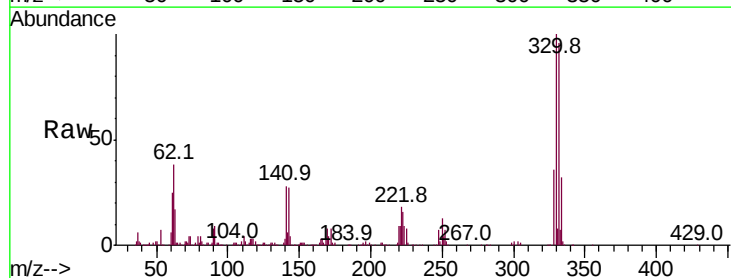
Tgt Ion:330 Resp: 441596

Ion Ratio Lower Upper

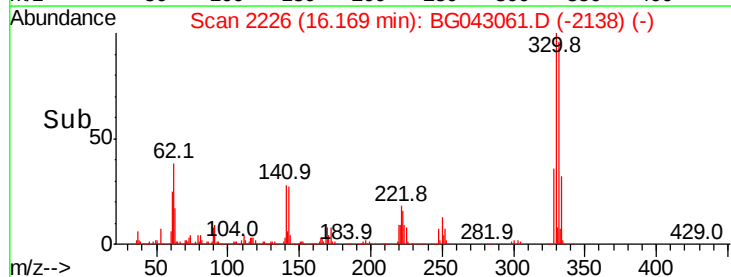
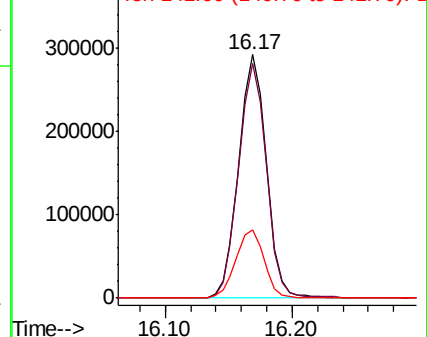
330 100

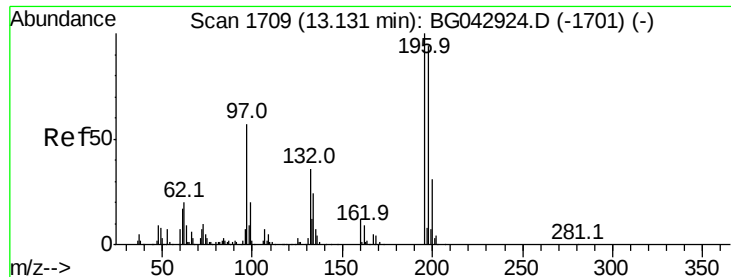
332 97.0 78.2 117.2

141 28.8 26.0 39.0



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

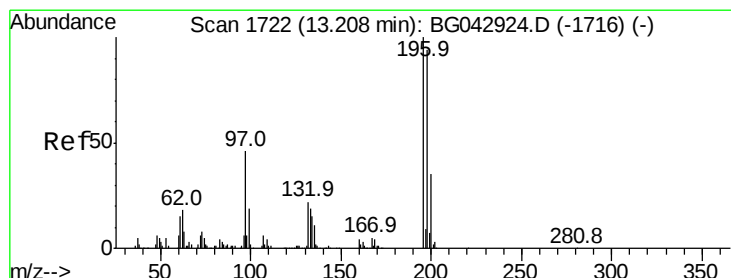
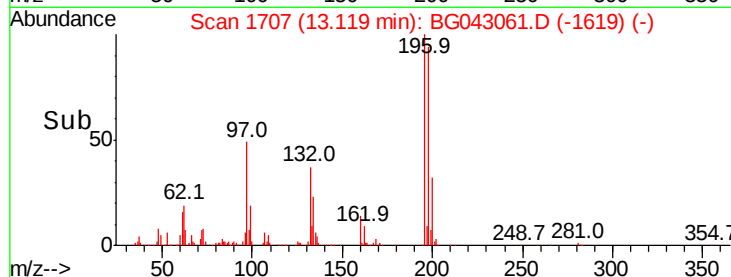
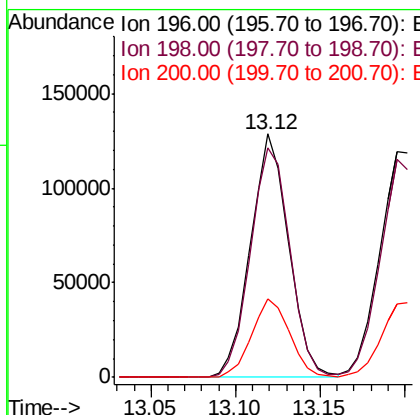
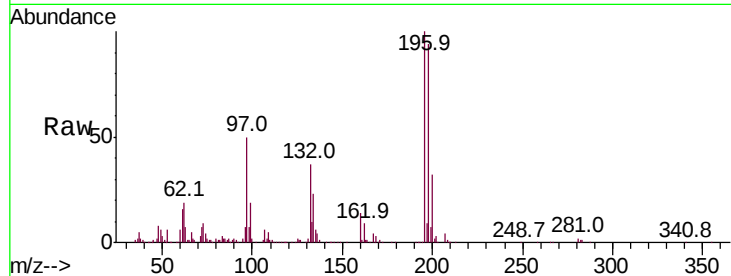




#43  
 2,4,6-Trichlorophenol  
 Concen: 82.637 ng  
 RT: 13.12 min Scan# 1707  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

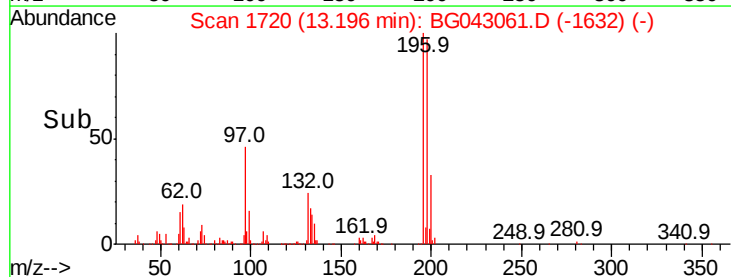
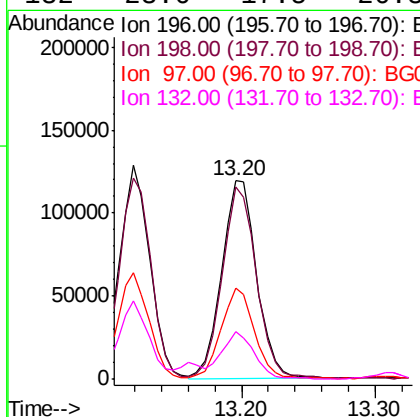
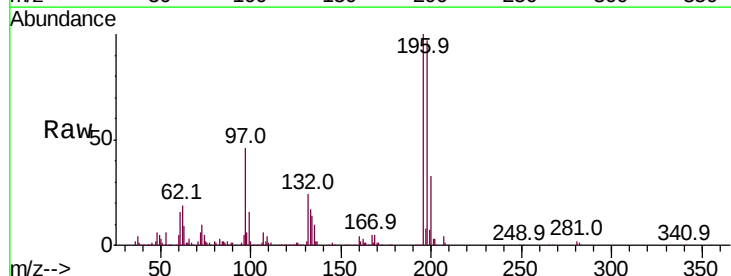
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

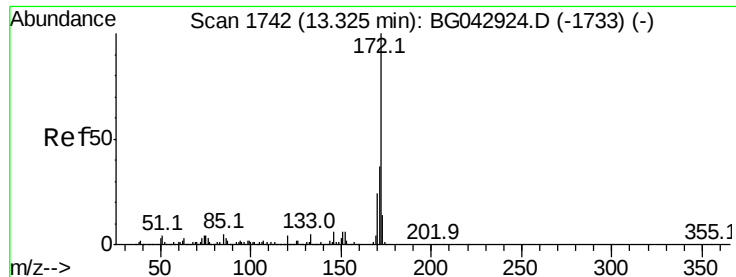
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 94.2  | 75.5  | 113.3 |
| 200     | 32.3  | 24.9  | 37.3  |



#44  
 2,4,5-Trichlorophenol  
 Concen: 85.735 ng  
 RT: 13.20 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.7  | 75.1  | 112.7 |
| 97      | 46.0  | 37.0  | 55.4  |
| 132     | 23.6  | 17.5  | 26.3  |





#45

2-Fluorobiphenyl

Concen: 150.336 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

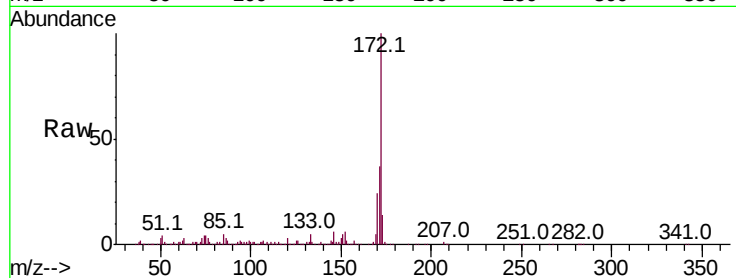
BNA\_G

ClientSampleId :

HR-05-100219MS

Tot Ion:172 Resp: 1157152

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.3  | 29.6  | 44.4  |
| 170 | 24.3  | 19.6  | 29.4  |

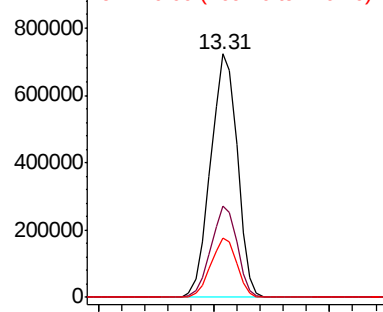


Abundance

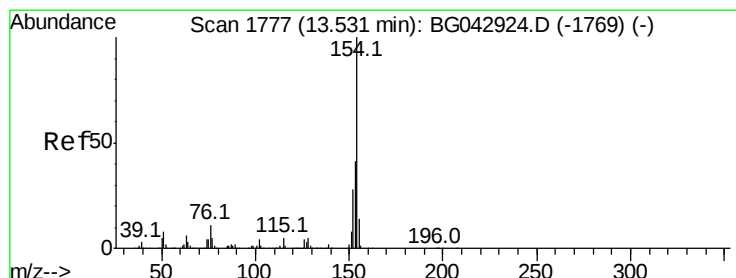
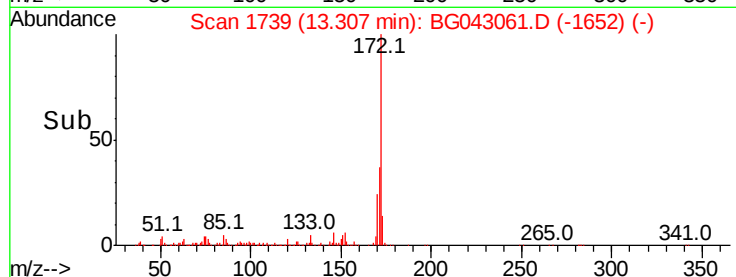
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#46

1,1'-Biphenyl

Concen: 75.421 ng

RT: 13.52 min Scan# 1775

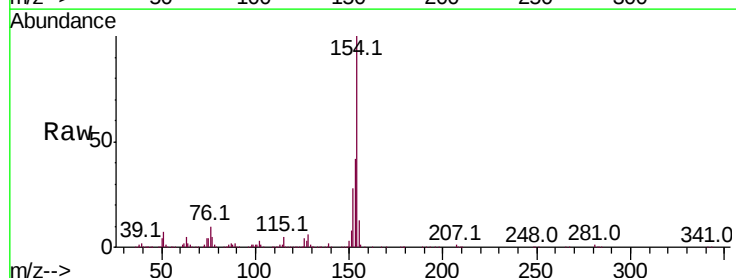
Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Tgt Ion:154 Resp: 638217

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 42.3  | 21.4  | 61.4  |
| 76  | 10.4  | 0.0   | 31.3  |

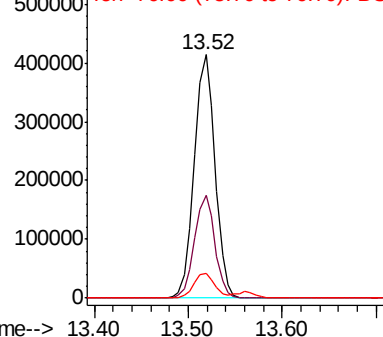


Abundance

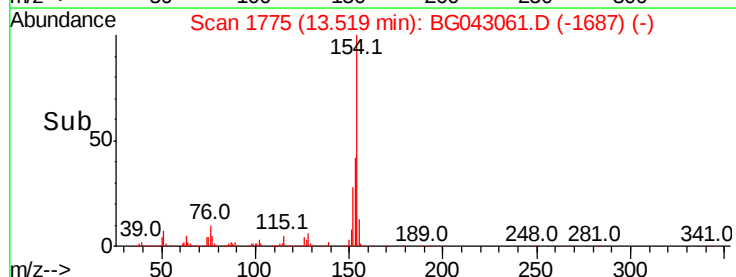
Ion 154.00 (153.70 to 154.70): E

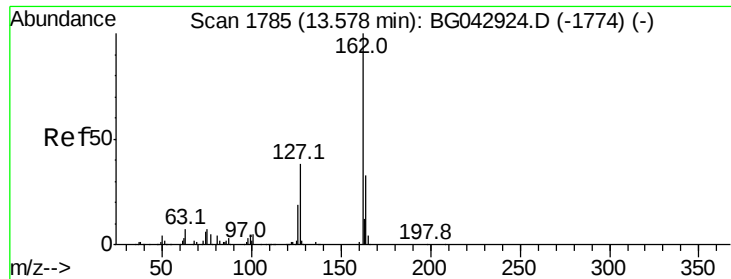
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



Time-->

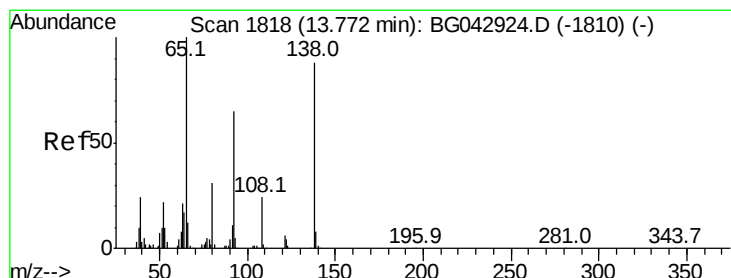
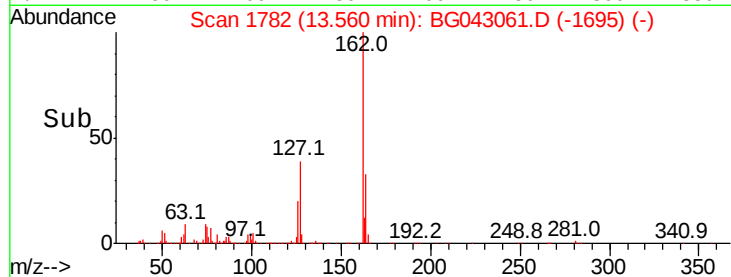
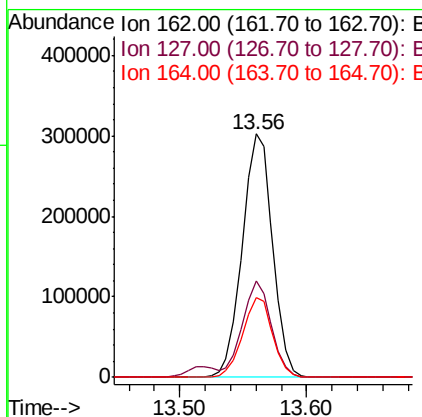
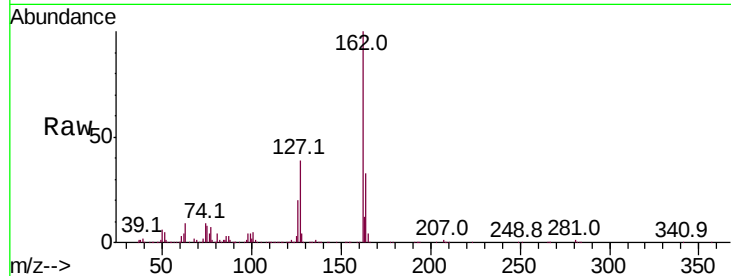




#47  
2-Chloronaphthalene  
Concen: 79.024 ng  
RT: 13.56 min Scan# 1782  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

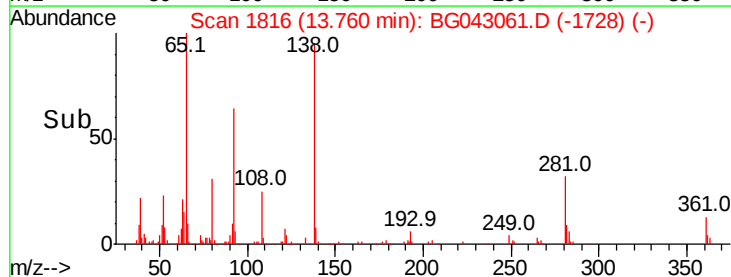
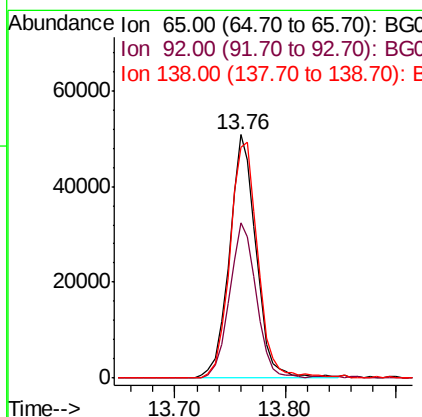
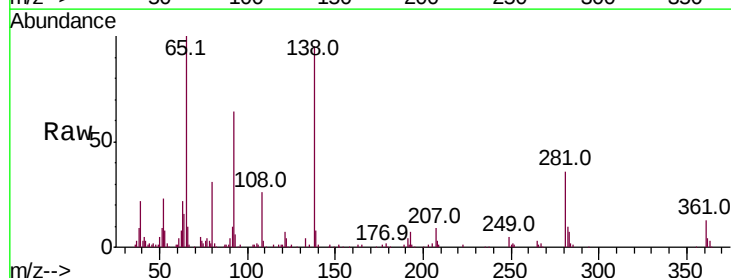
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

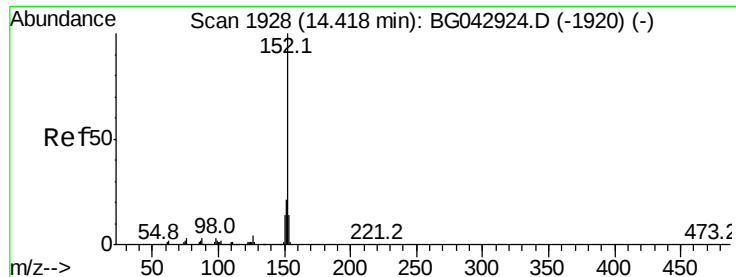
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.4  | 31.0  | 46.6  |
| 164     | 32.8  | 26.2  | 39.2  |



#48  
2-Nitroaniline  
Concen: 40.877 ng  
RT: 13.76 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 63.7  | 52.0  | 78.0  |
| 138     | 95.0  | 70.4  | 105.6 |





#49

Acenaphthylene

Concen: 26.052 ng

RT: 14.41 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

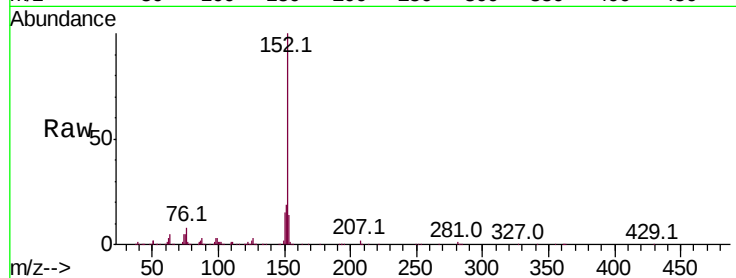
Tot Ion:152 Resp: 252906

Ion Ratio Lower Upper

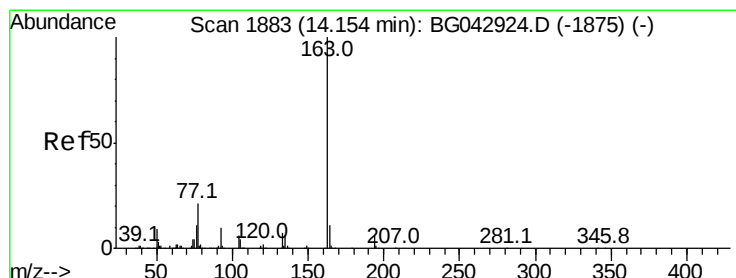
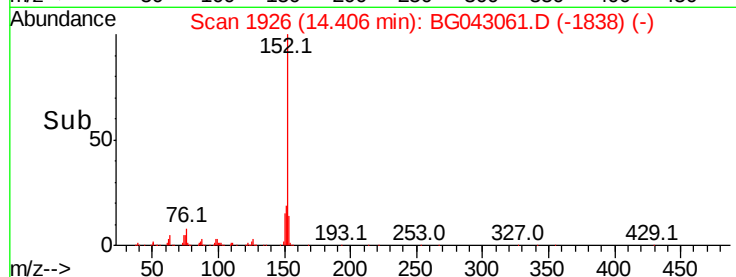
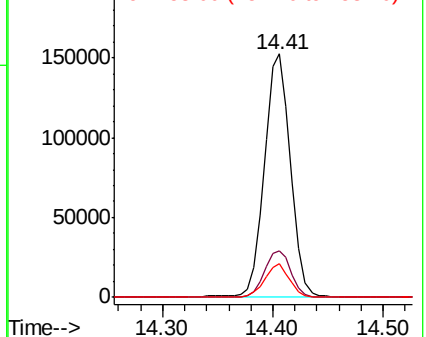
152 100

151 18.9 16.8 25.2

153 14.0 11.3 16.9



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



#50

Dimethylphthalate

Concen: 85.585 ng

RT: 14.14 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

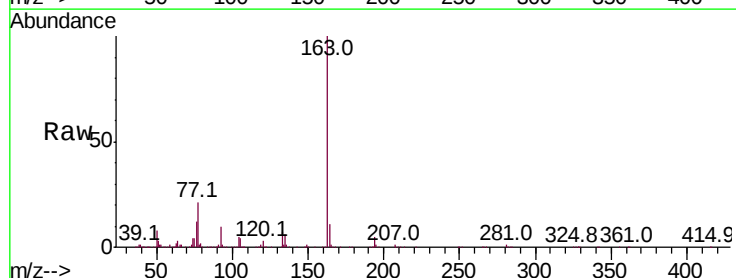
Tgt Ion:163 Resp: 715550

Ion Ratio Lower Upper

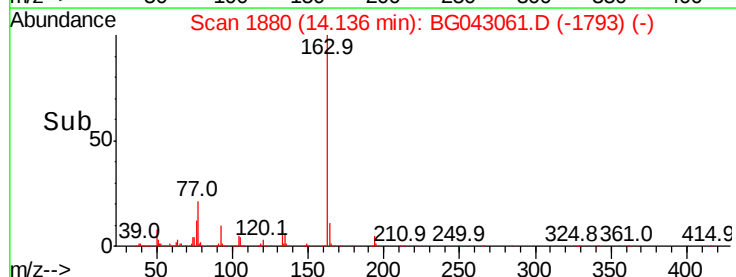
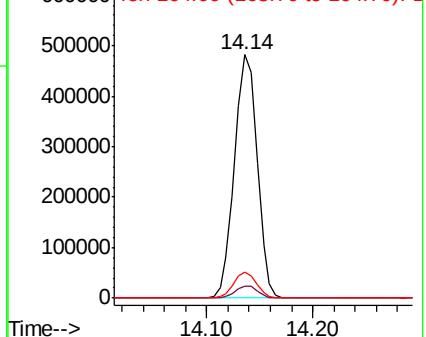
163 100

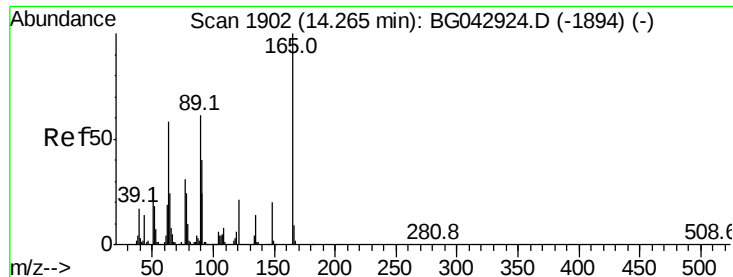
194 4.8 4.4 6.6

164 10.6 8.6 12.8



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: 82.860 ng

RT: 14.25 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

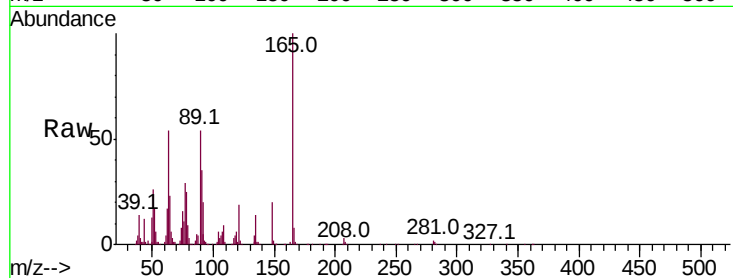
Tot Ion:165 Resp: 147529

Ion Ratio Lower Upper

165 100

63 54.4 50.3 75.5

89 53.9 48.9 73.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG043061.D (-1896) (-)

Ion 89.00 (88.70 to 89.70): BG043061.D (-1896) (-)

120000

100000

80000

60000

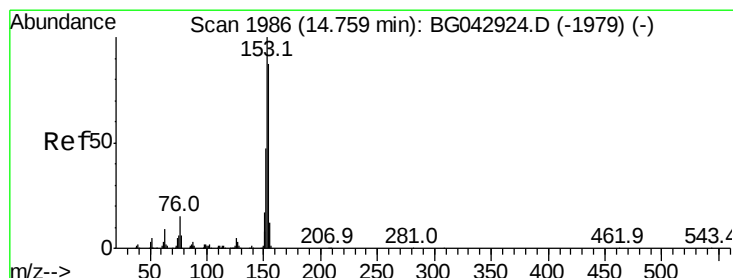
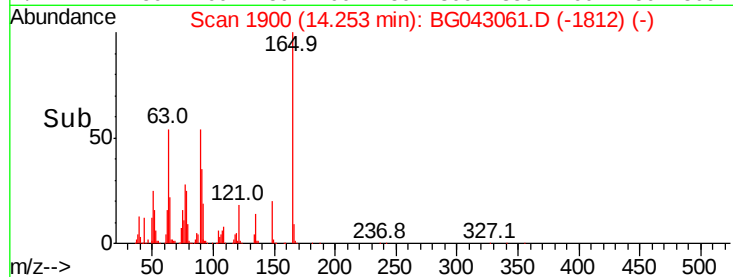
40000

20000

0

14.15 14.20 14.25 14.30

Time-->



#52

Acenaphthene

Concen: 51.241 ng

RT: 14.75 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

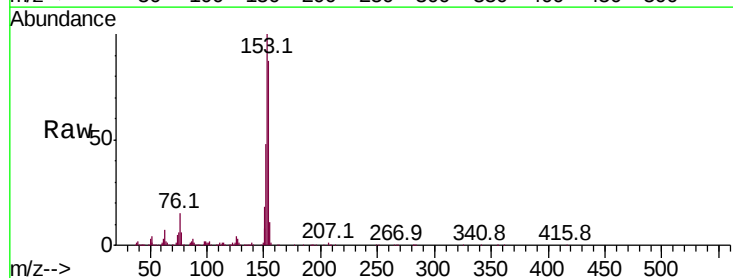
Tgt Ion:154 Resp: 332959

Ion Ratio Lower Upper

154 100

153 115.3 91.4 137.0

152 55.4 42.8 64.2



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

300000

250000

200000

150000

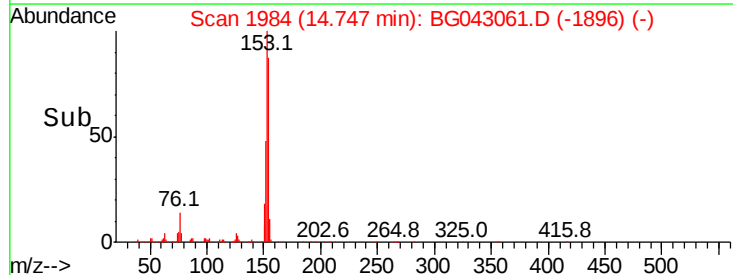
100000

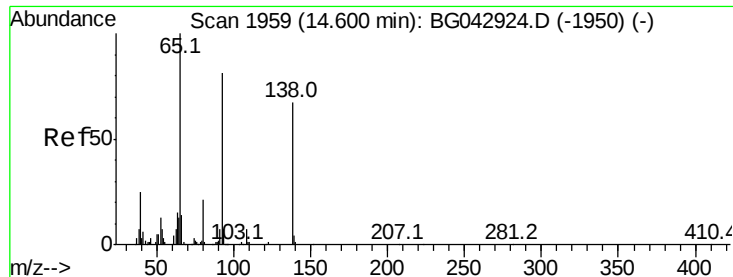
50000

0

14.70 14.75

Time-->





#53

3-Nitroaniline

Concen: 12.512 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

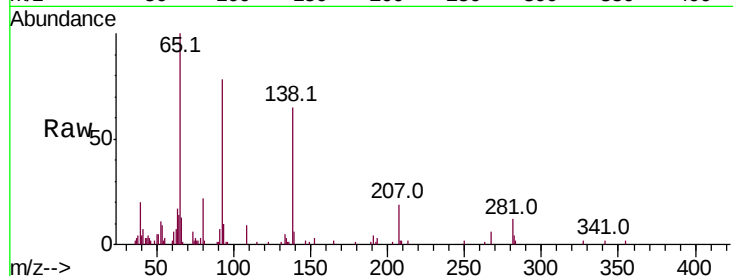
Tot Ion:138 Resp: 23023

Ion Ratio Lower Upper

138 100

108 13.8 7.9 11.9#

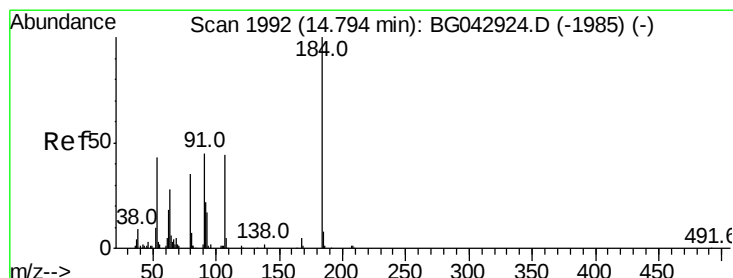
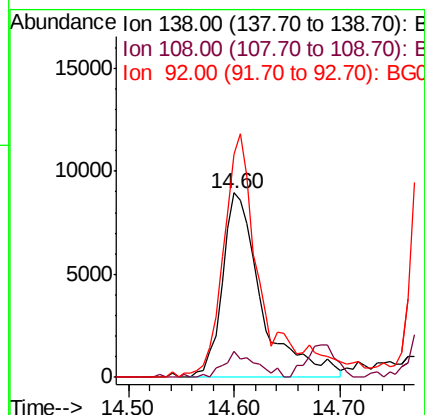
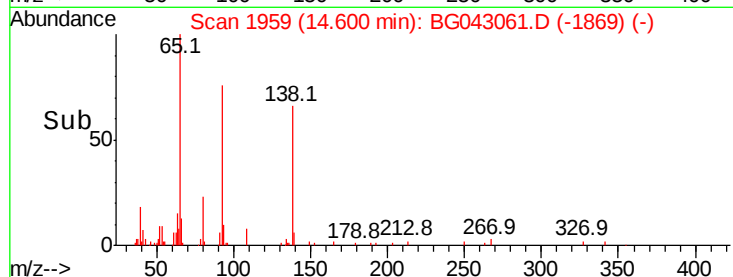
92 120.8 97.0 145.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 171.875 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

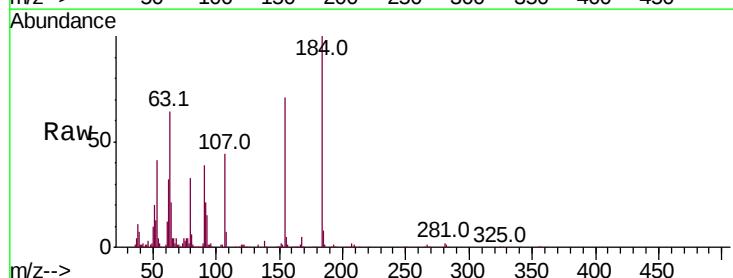
Tgt Ion:184 Resp: 190215

Ion Ratio Lower Upper

184 100

63 64.3 55.0 82.6

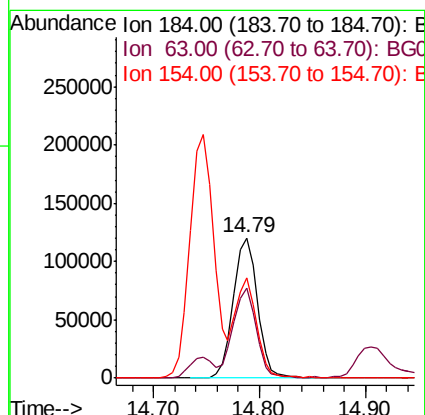
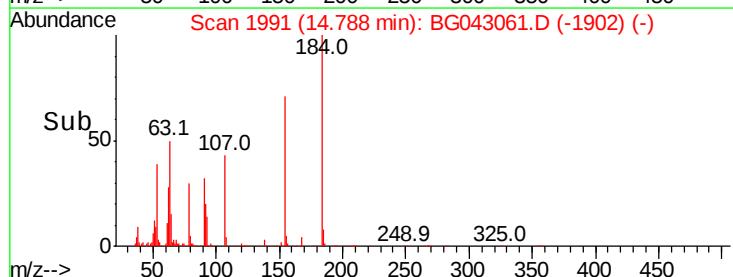
154 71.4 56.5 84.7

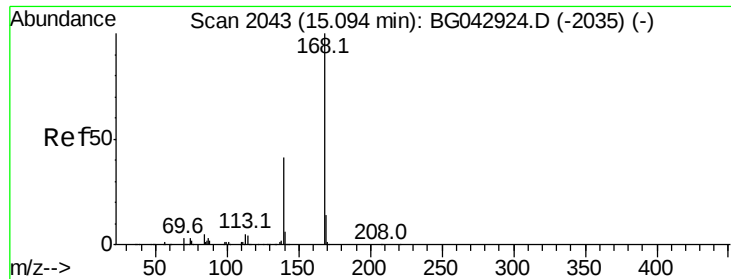


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

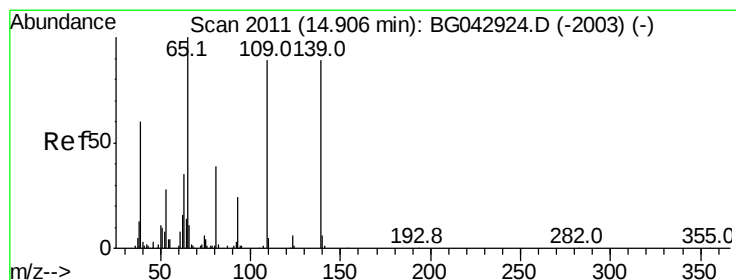
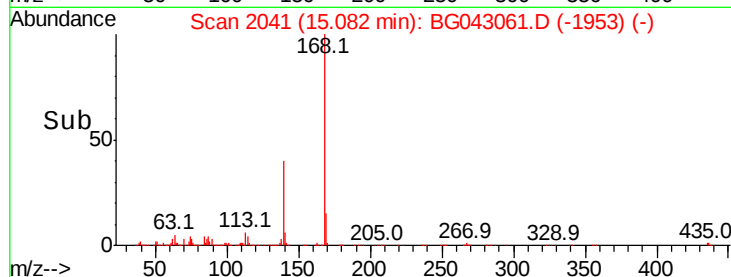
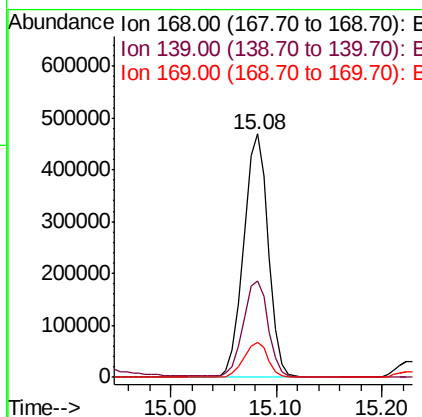
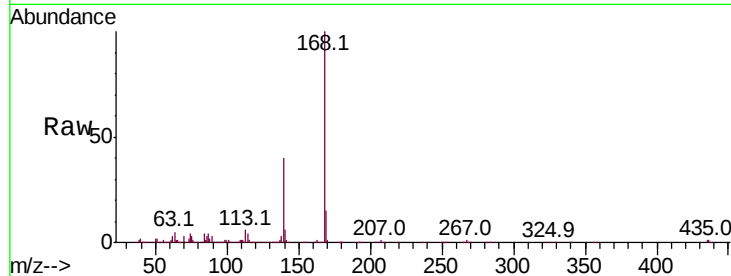




#55  
Dibenzenofuran  
Concen: 78.527 ng  
RT: 15.08 min Scan# 2041  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

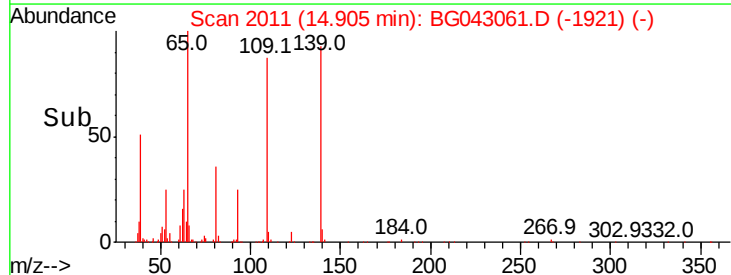
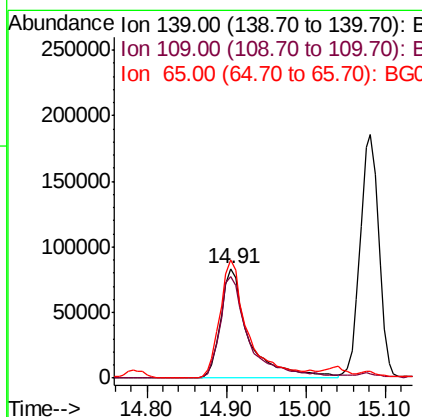
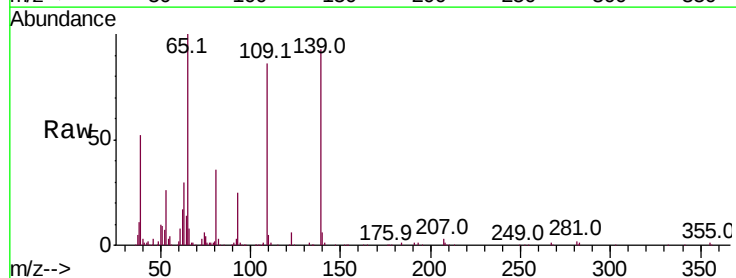
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

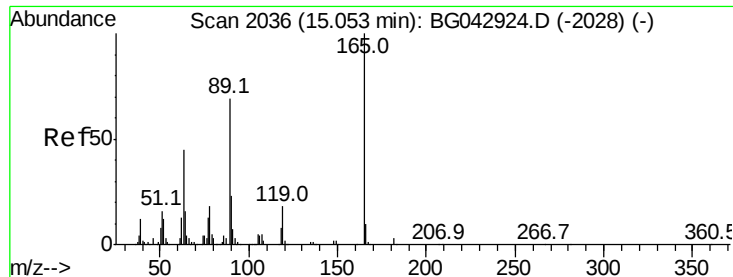
Tot Ion:168 Resp: 754819  
Ion Ratio Lower Upper  
168 100  
139 39.6 32.6 48.8  
169 14.6 11.2 16.8



#56  
4-Nitrophenol  
Concen: 146.356 ng  
RT: 14.91 min Scan# 2011  
Delta R.T. -0.00 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Tgt Ion:139 Resp: 205187  
Ion Ratio Lower Upper  
139 100  
109 92.7 79.4 119.4  
65 107.5 92.5 132.5

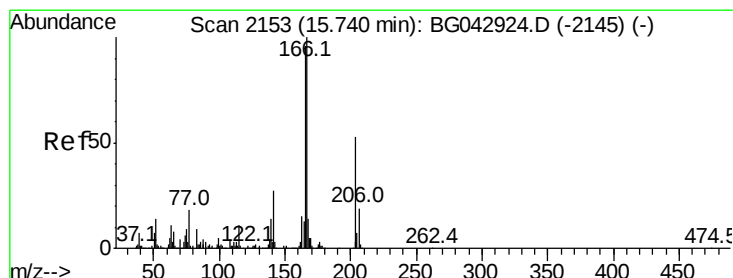
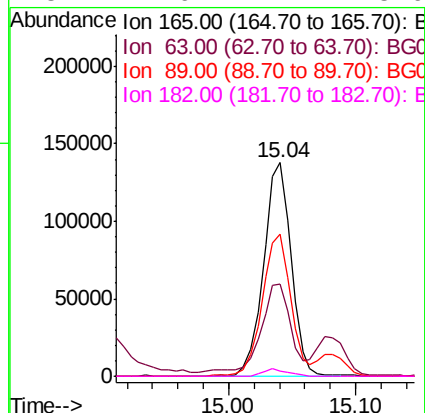
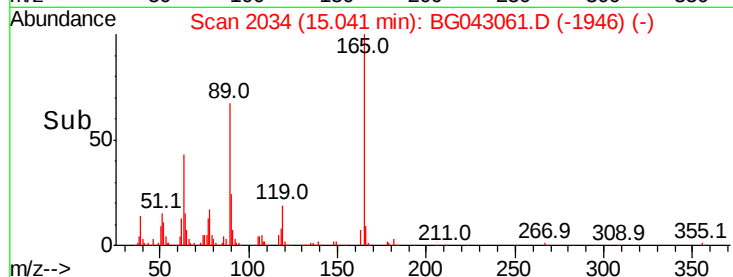
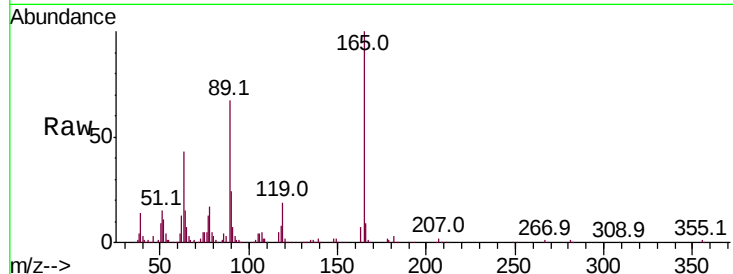




#57  
2,4-Dinitrotoluene  
Concen: 80.096 ng  
RT: 15.04 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

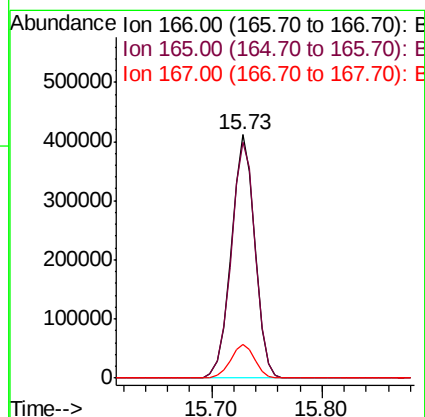
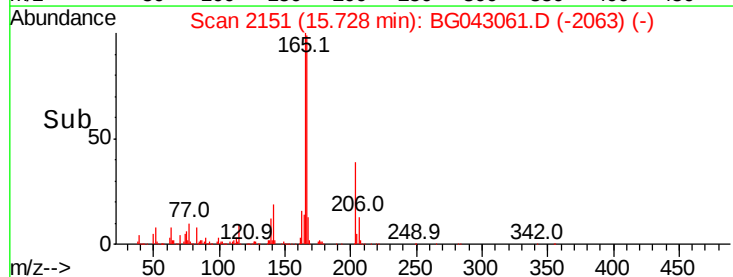
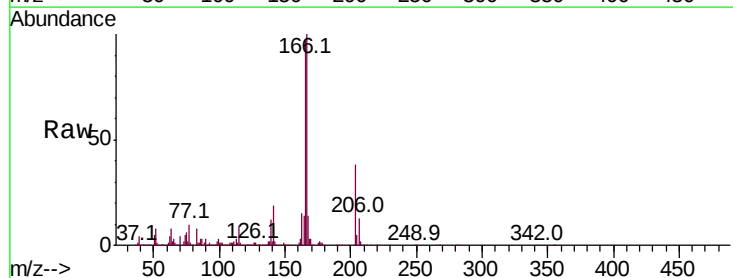
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

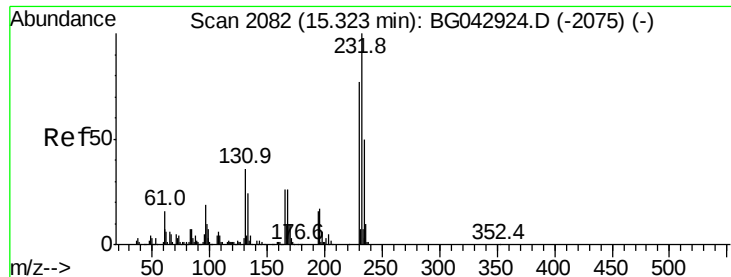
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 43.0  | 36.5  | 54.7  |
| 89      | 66.8  | 55.5  | 83.3  |
| 182     | 2.6   | 2.4   | 3.6   |



#58  
Fluorene  
Concen: 74.776 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.1  | 77.1  | 115.7 |
| 167     | 13.7  | 11.0  | 16.6  |

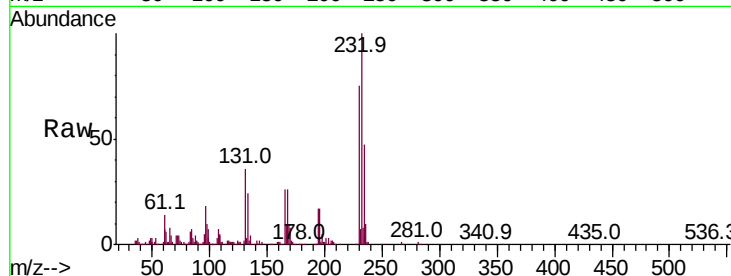




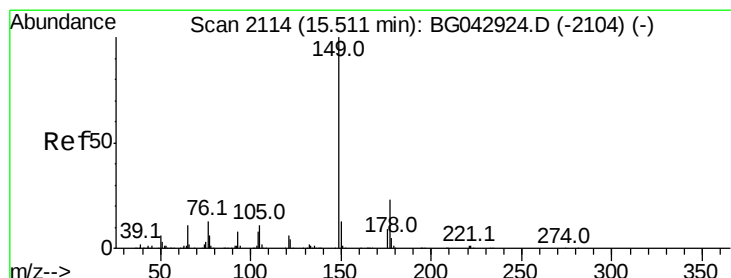
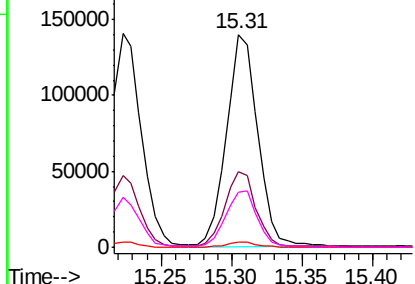
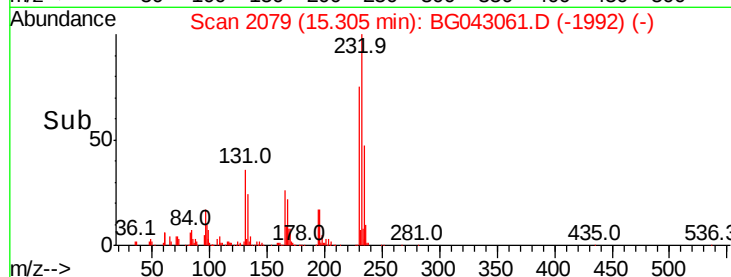
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 80.387 ng  
RT: 15.31 min Scan# 2079  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

Tot Ion:232 Resp: 216521  
Ion Ratio Lower Upper  
232 100  
131 35.0 29.6 44.4  
130 2.4 1.9 2.9  
166 27.2 21.8 32.8

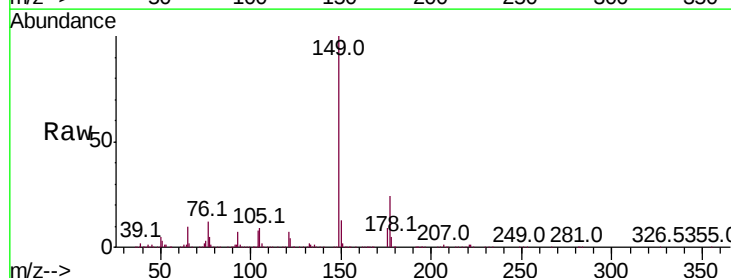


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

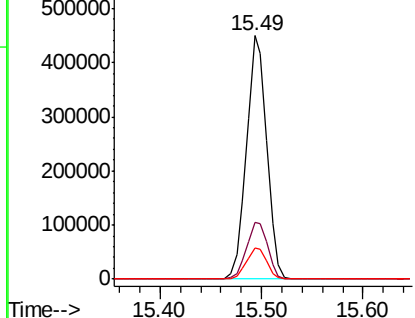
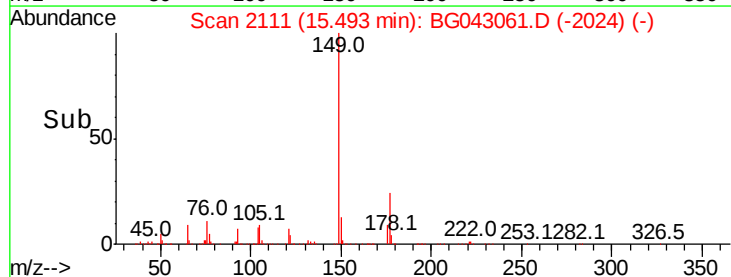


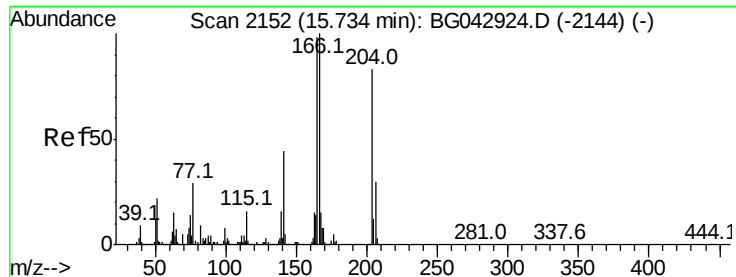
#60  
Diethylphthalate  
Concen: 72.875 ng  
RT: 15.49 min Scan# 2111  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Tgt Ion:149 Resp: 620068  
Ion Ratio Lower Upper  
149 100  
177 23.5 18.8 28.2  
150 12.7 10.6 15.8



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

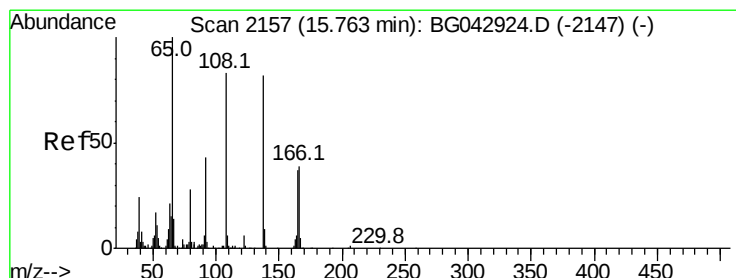
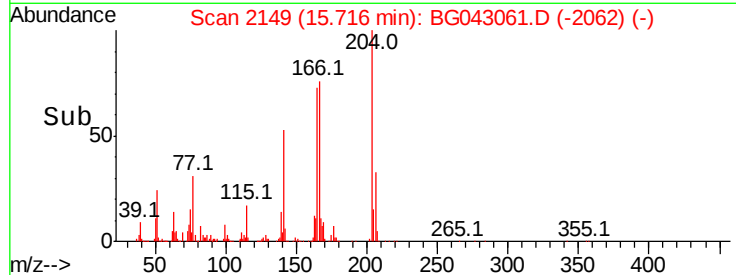
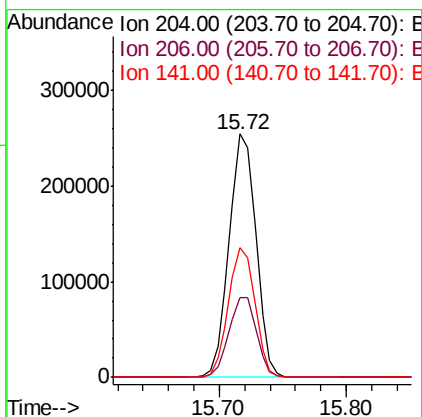
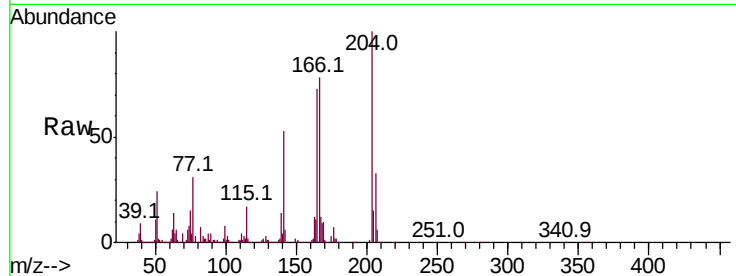




#61  
4-Chlorophenyl-phenylether  
Concen: 75.591 ng  
RT: 15.72 min Scan# 2149  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

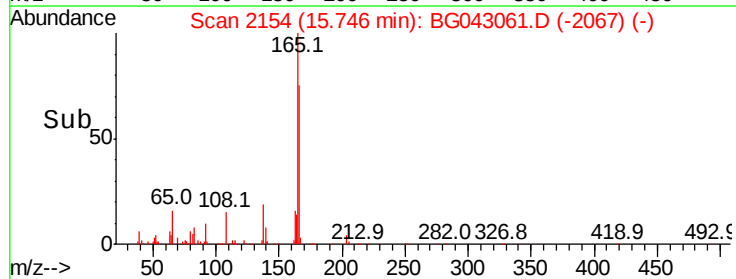
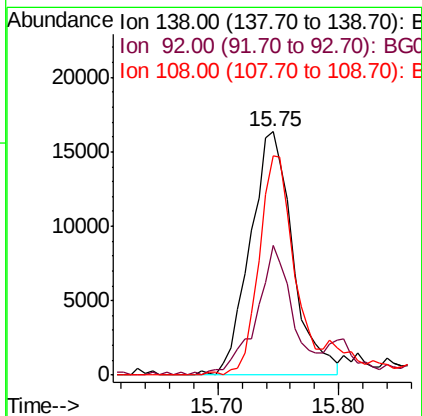
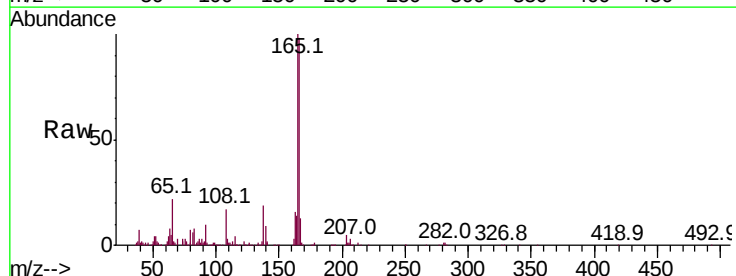
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

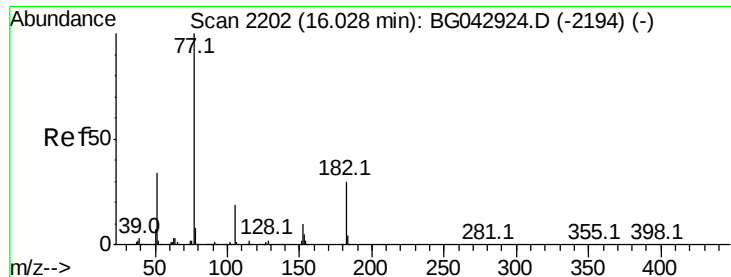
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.7  | 28.5  | 42.7  |
| 141     | 53.3  | 42.4  | 63.6  |



#62  
4-Nitroaniline  
Concen: 19.925 ng  
RT: 15.75 min Scan# 2154  
Delta R.T. -0.02 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 53.2  | 32.9  | 72.9  |
| 108     | 89.9  | 81.3  | 121.3 |





#63

Azobenzene

Concen: 23.472 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

Tot Ion: 77 Resp: 181826

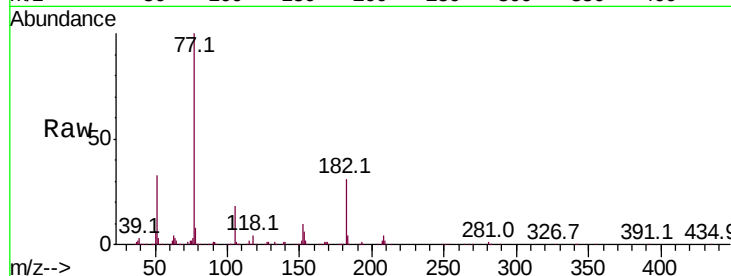
Ion Ratio Lower Upper

77 100

182 30.9 10.2 50.2

105 17.6 0.0 39.1

51 32.6 13.9 53.9

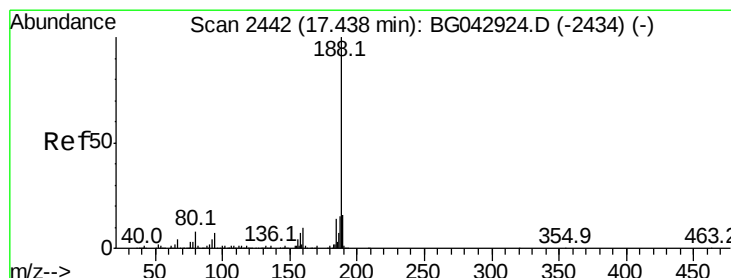
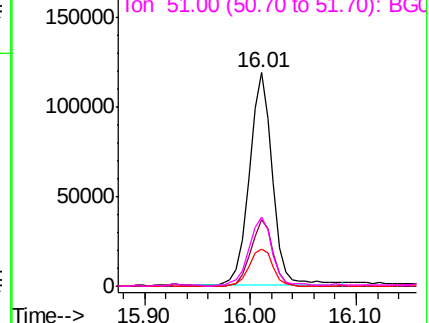
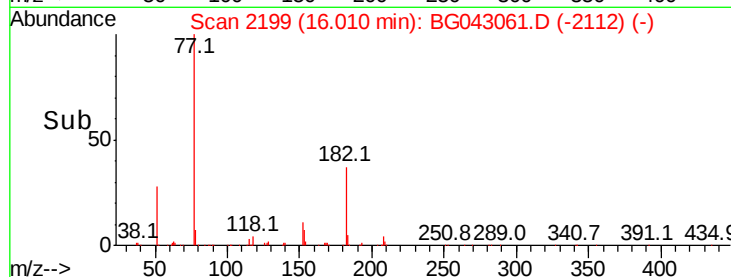


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

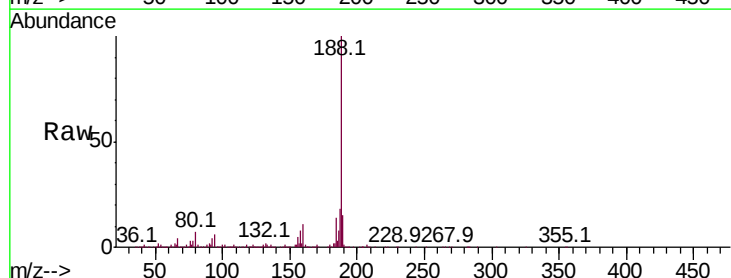
Tgt Ion: 188 Resp: 372986

Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

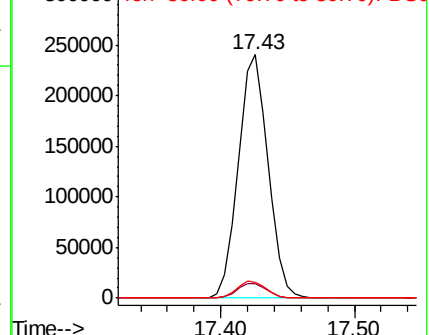
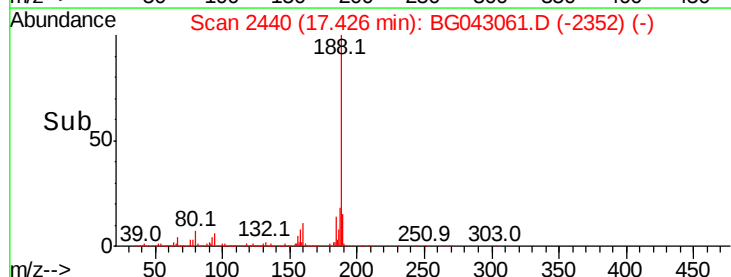
80 6.6 6.5 9.7

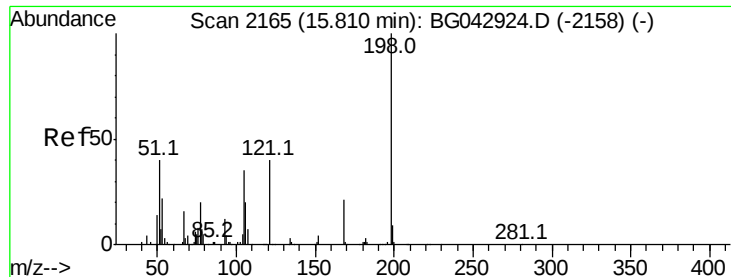


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

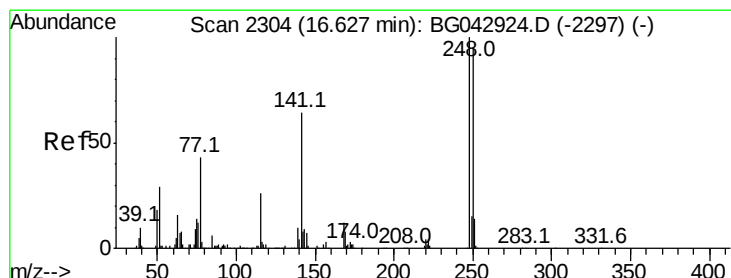
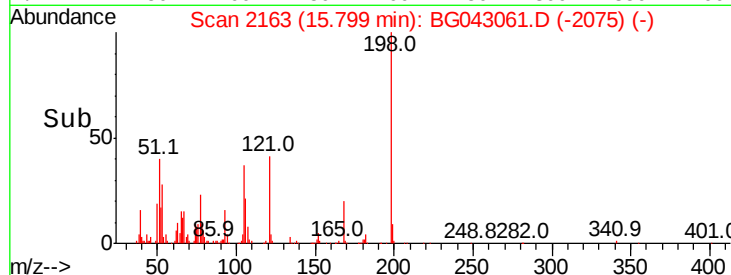
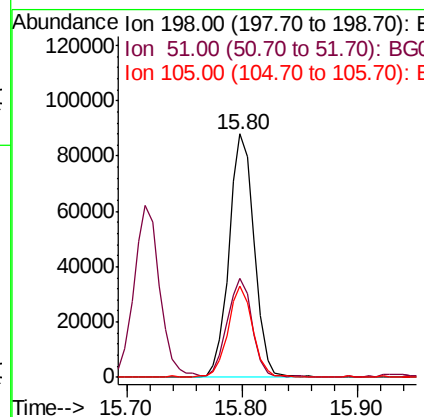
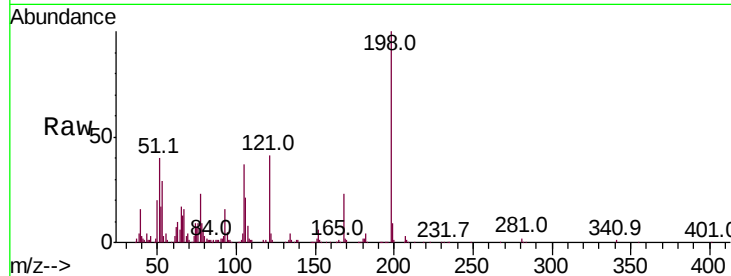




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 62.678 ng  
 RT: 15.80 min Scan# 2163  
 Delta R.T. -0.01 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

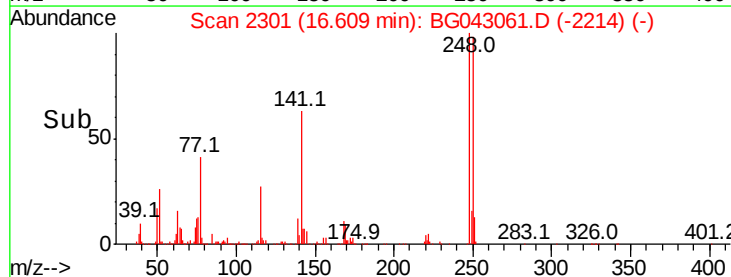
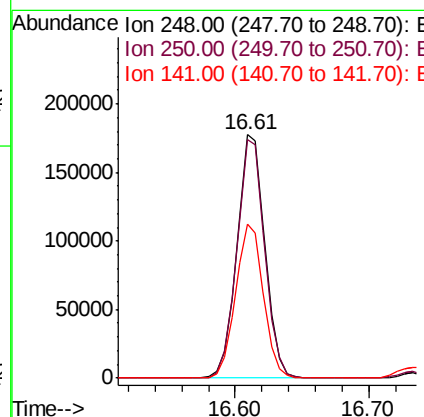
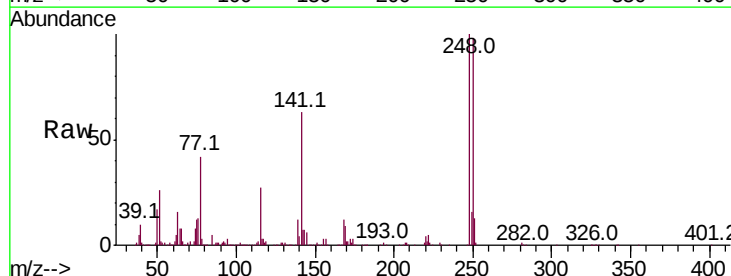
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

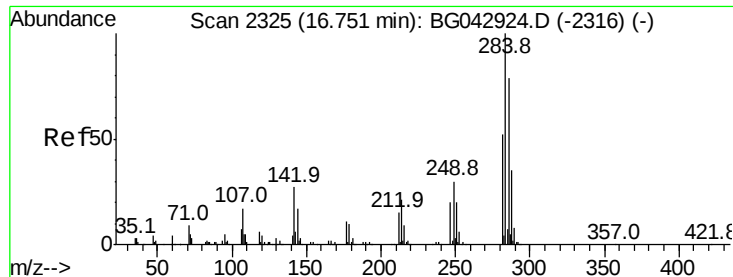
Tot Ion:198 Resp: 132288  
 Ion Ratio Lower Upper  
 198 100  
 51 40.4 25.3 65.3  
 105 37.4 16.6 56.6



#67  
 4-Bromophenyl-phenylether  
 Concen: 54.901 ng  
 RT: 16.61 min Scan# 2301  
 Delta R.T. -0.02 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

Tgt Ion:248 Resp: 257012  
 Ion Ratio Lower Upper  
 248 100  
 250 98.0 75.8 113.8  
 141 63.4 51.1 76.7





#68

Hexachlorobenzene

Concen: 55.712 ng

RT: 16.73 min Scan# 2322

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

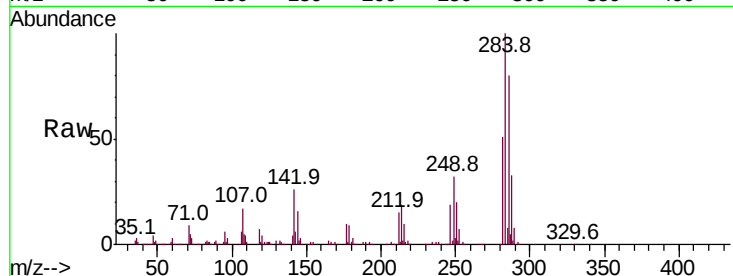
Tot Ion:284 Resp: 290391

Ion Ratio Lower Upper

284 100

142 26.0 21.6 32.4

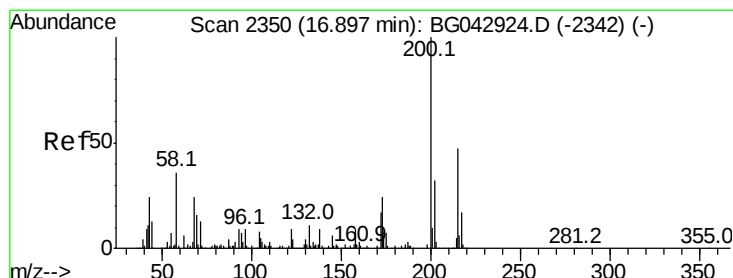
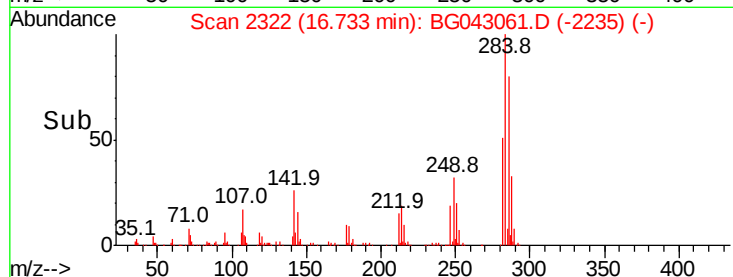
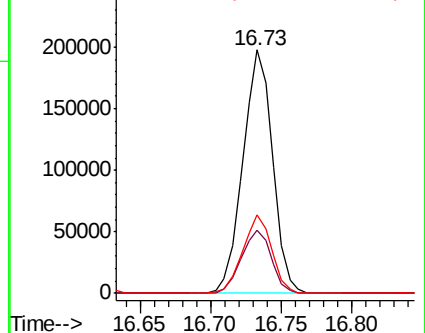
249 32.4 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 15.812 ng

RT: 17.08 min Scan# 2381

Delta R.T. 0.18 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

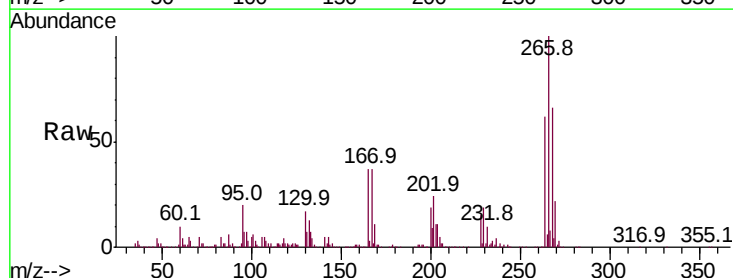
Tgt Ion:200 Resp: 65560

Ion Ratio Lower Upper

200 100

173 0.0 4.0 44.0#

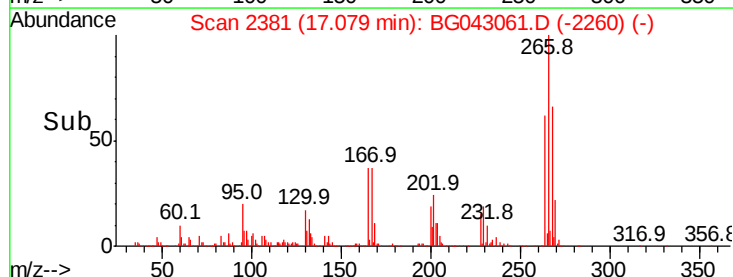
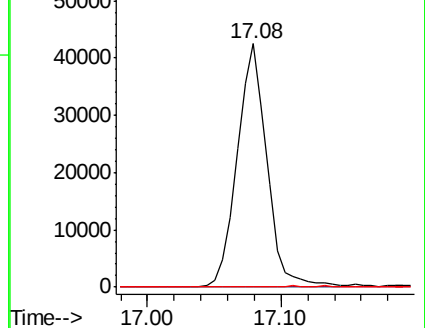
215 0.0 27.4 67.4#

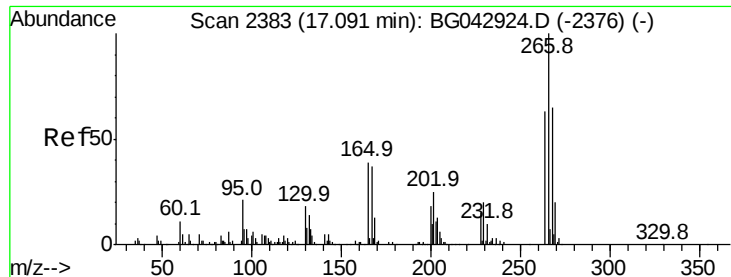


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 120.595 ng

RT: 17.08 min Scan# 2381

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

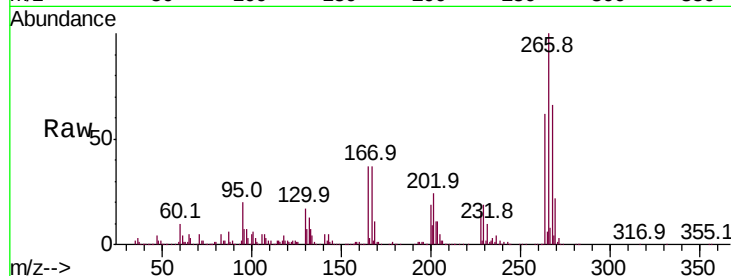
Tot Ion:266 Resp: 362706

Ion Ratio Lower Upper

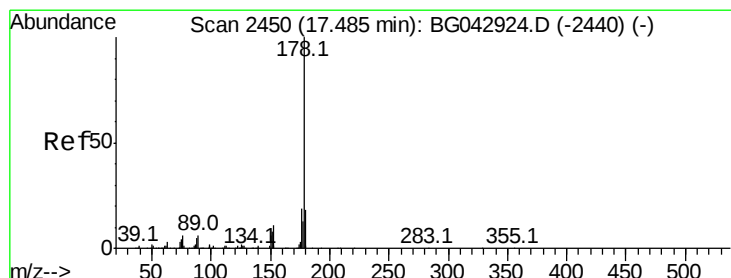
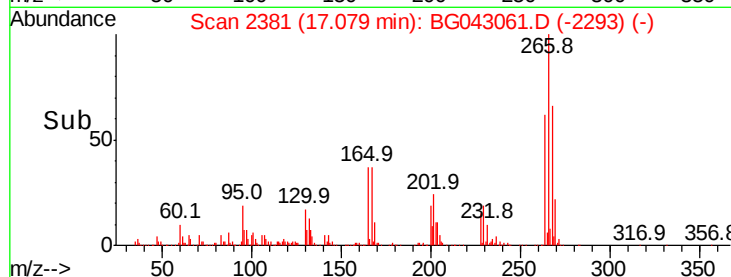
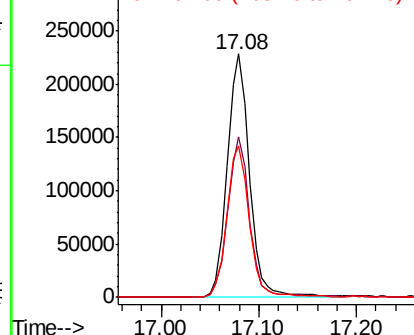
266 100

268 66.1 52.2 78.2

264 62.4 50.7 76.1



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



#71

Phenanthrene

Concen: 54.270 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

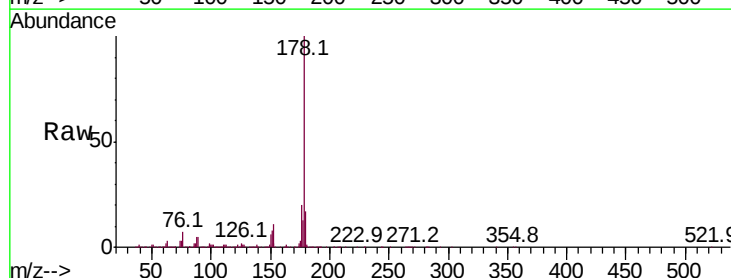
Tgt Ion:178 Resp: 988222

Ion Ratio Lower Upper

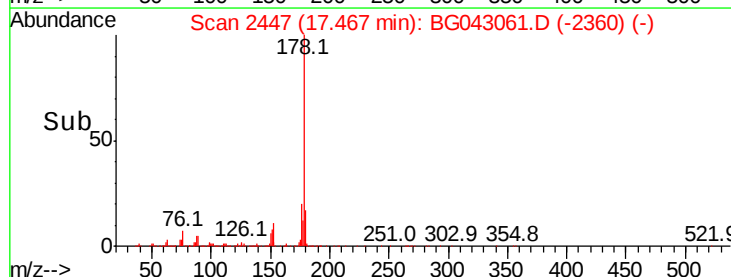
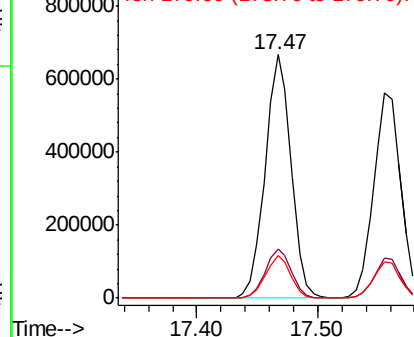
178 100

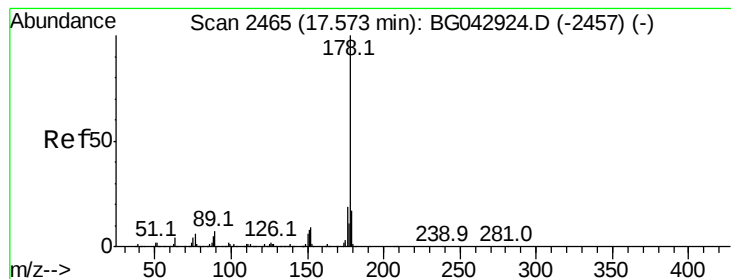
176 20.2 15.1 22.7

179 17.4 14.1 21.1



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





#72

Anthracene

Concen: 48.653 ng

RT: 17.56 min Scan# 2462

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

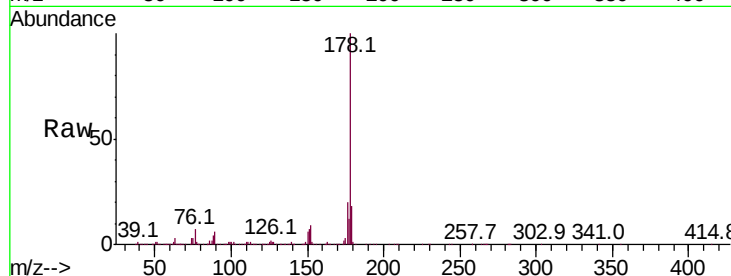
Tot Ion:178 Resp: 884435

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

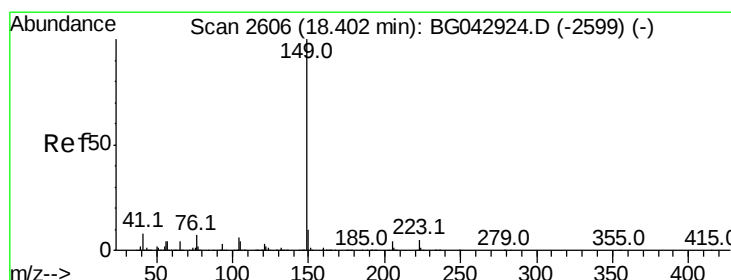
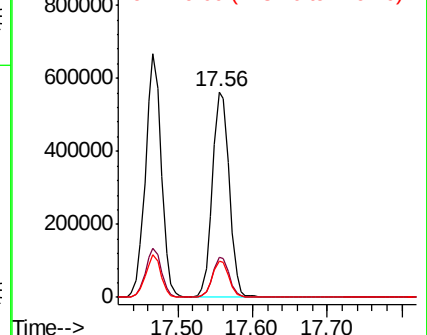
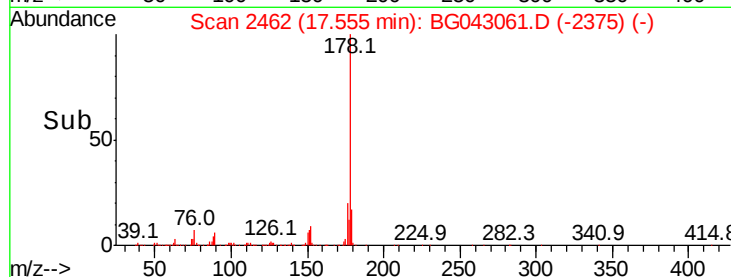
179 17.7 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 51.382 ng

RT: 18.38 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

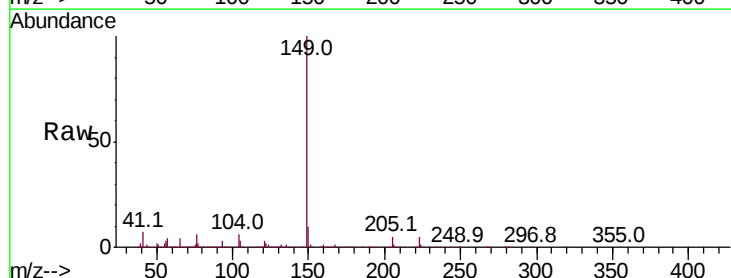
Tgt Ion:149 Resp: 1033444

Ion Ratio Lower Upper

149 100

150 10.5 7.7 11.5

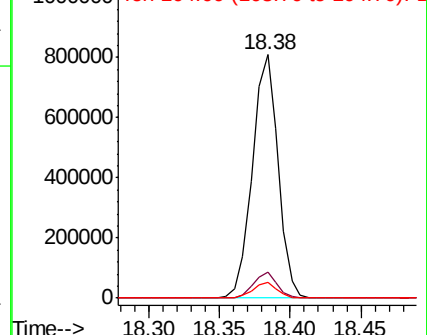
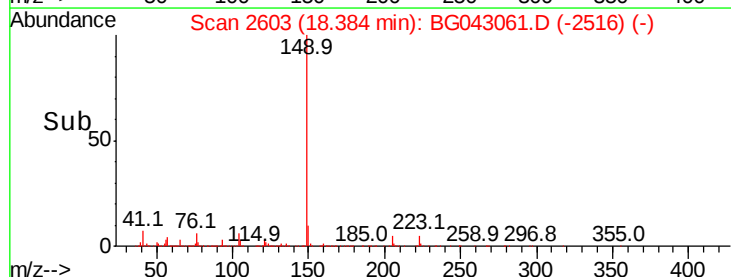
104 6.4 5.0 7.6

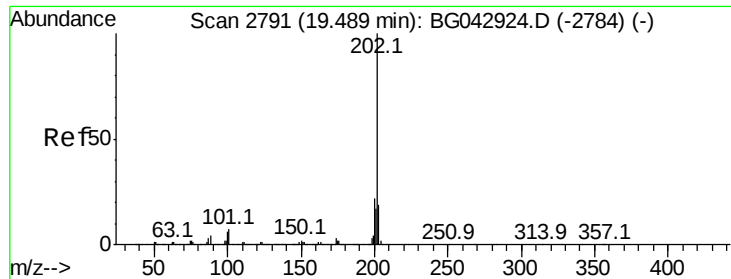


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

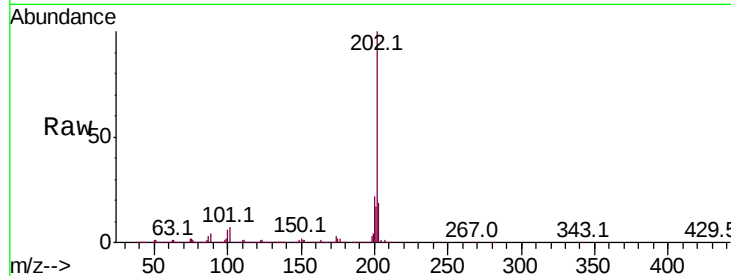




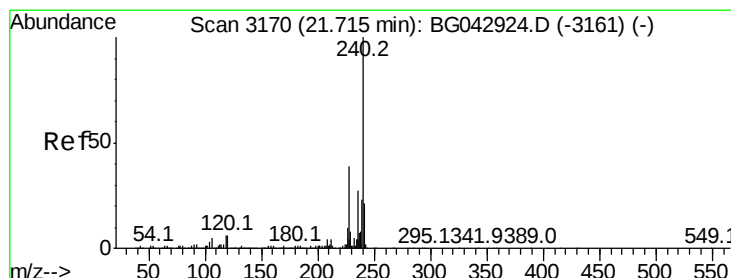
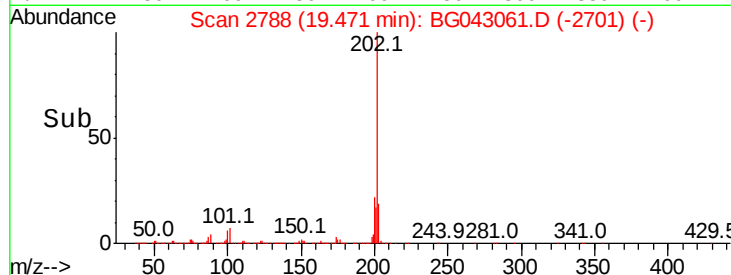
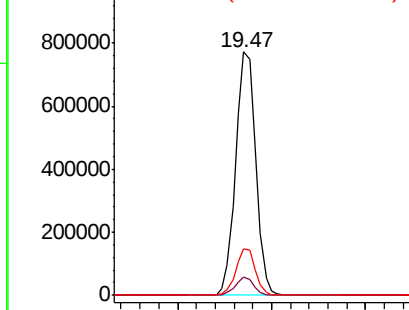
#75  
 Fluoranthene  
 Concen: 47.783 ng  
 RT: 19.47 min Scan# 2788  
 Delta R.T. -0.02 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-05-100219MS

Tot Ion:202 Resp: 1150866  
 Ion Ratio Lower Upper  
 202 100  
 101 7.4 0.0 27.3  
 203 18.9 0.0 39.5

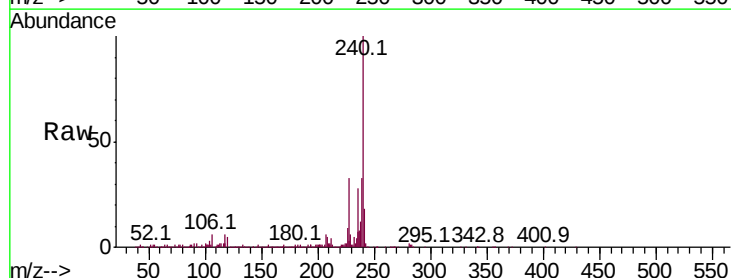


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

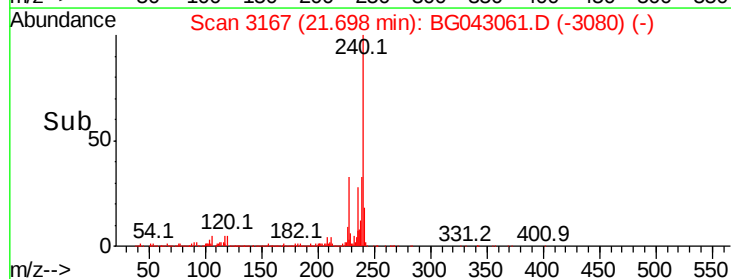
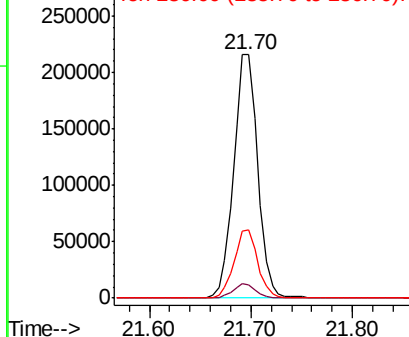


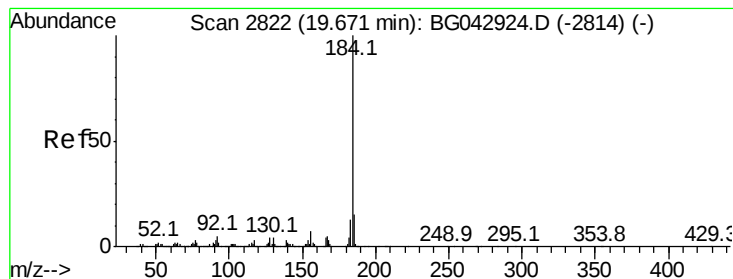
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.70 min Scan# 3167  
 Delta R.T. -0.02 min  
 Lab File: BG043061.D  
 Acq: 5 Oct 2019 18:42

Tgt Ion:240 Resp: 355174  
 Ion Ratio Lower Upper  
 240 100  
 120 5.4 4.8 7.2  
 236 27.8 21.4 32.0



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: 3.799 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.36 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

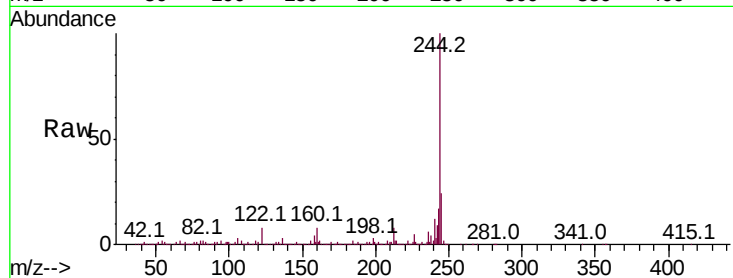
Tot Ion:184 Resp: 33787

Ion Ratio Lower Upper

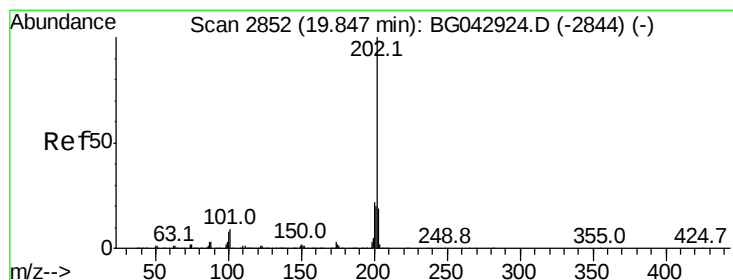
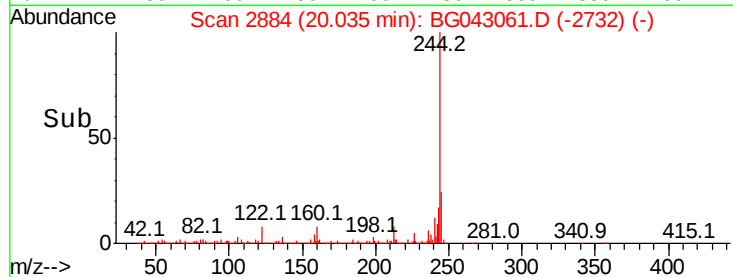
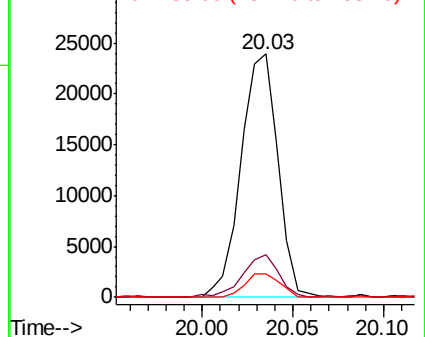
184 100

185 17.8 11.8 17.8

183 9.6 10.1 15.1#



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: 28.689 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

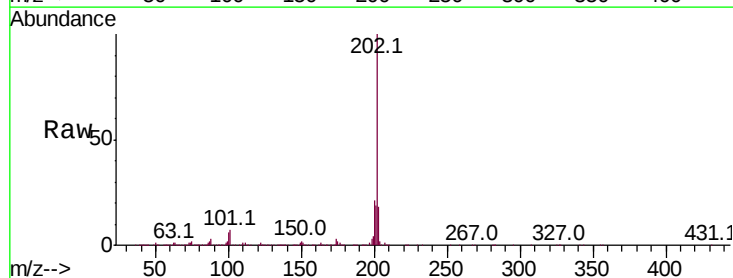
Tgt Ion:202 Resp: 608171

Ion Ratio Lower Upper

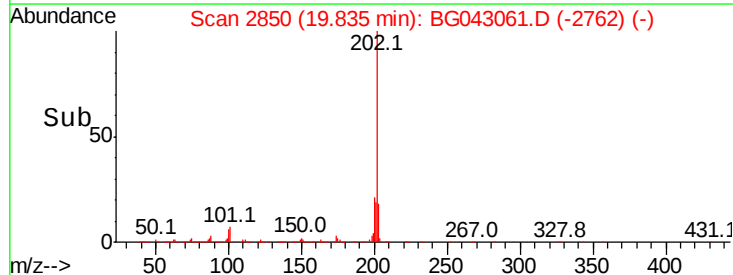
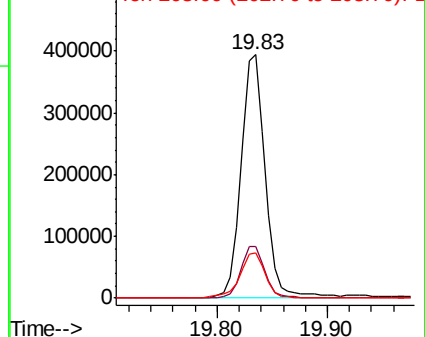
202 100

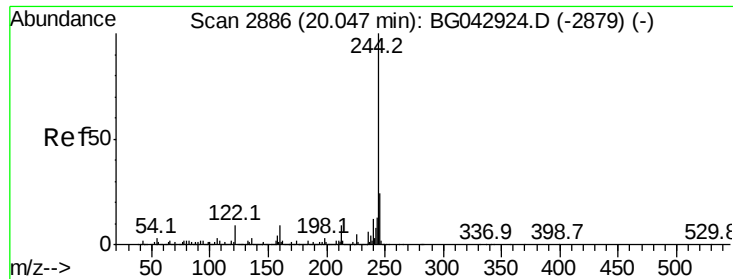
200 21.4 17.6 26.4

203 18.5 15.2 22.8



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





#79

Terphenyl-d14

Concen: 121.525 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

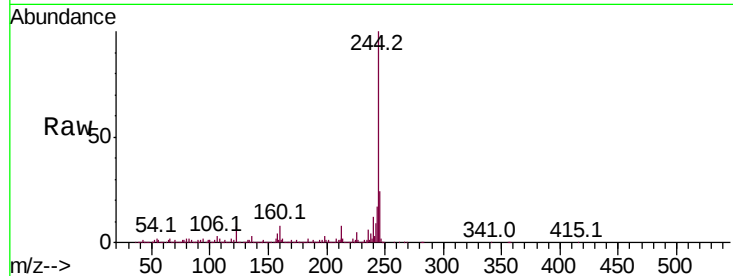
BNA\_G

ClientSampleId :

HR-05-100219MS

Tot Ion:244 Resp: 2025580

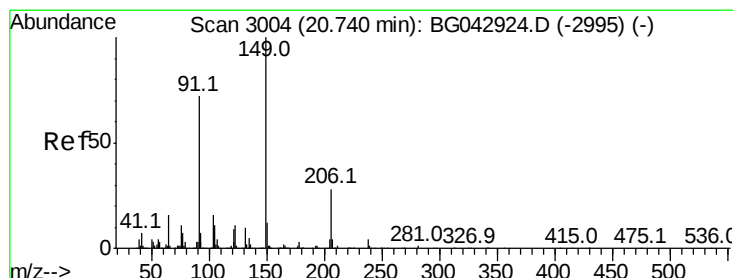
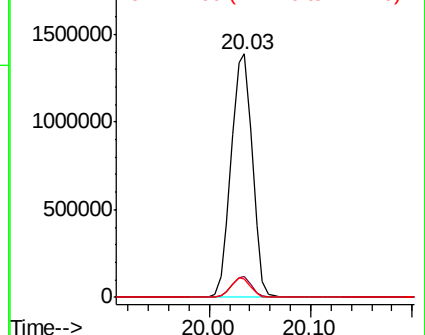
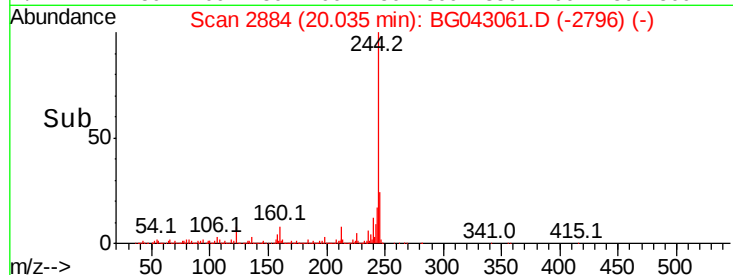
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 7.4   | 11.0  |
| 122 | 7.7   | 7.0   | 10.4  |



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: 28.234 ng

RT: 20.72 min Scan# 3000

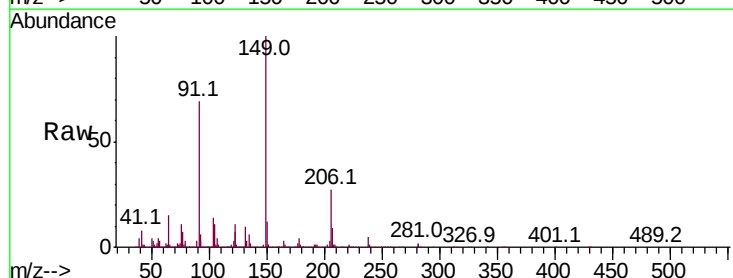
Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Tgt Ion:149 Resp: 227189

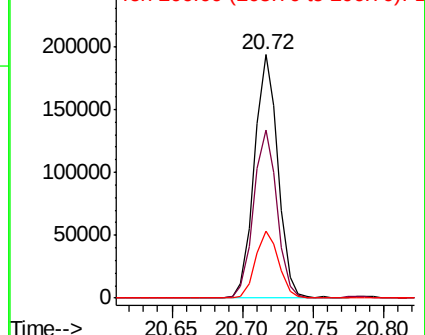
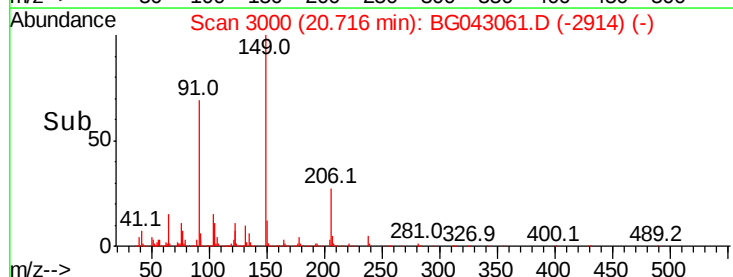
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 69.2  | 57.7  | 86.5  |
| 206 | 27.3  | 22.6  | 33.8  |

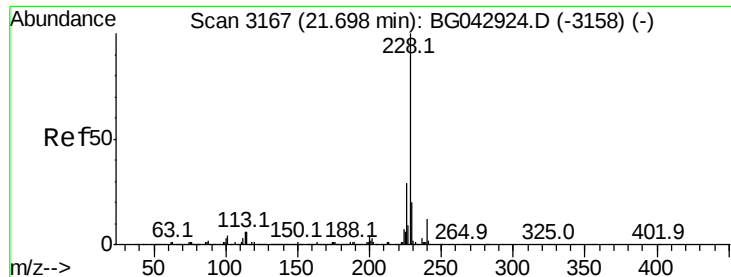


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.744 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

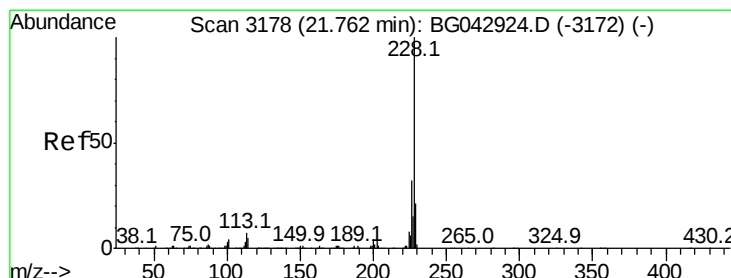
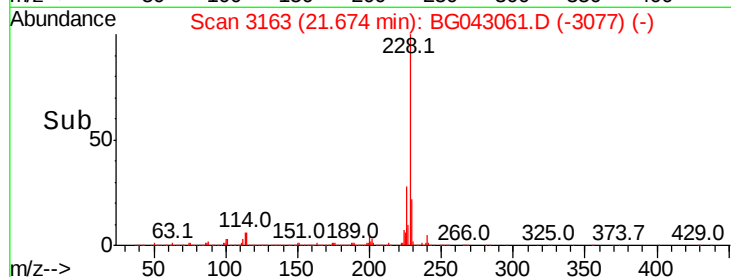
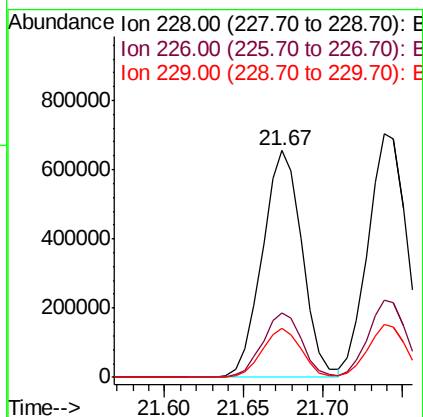
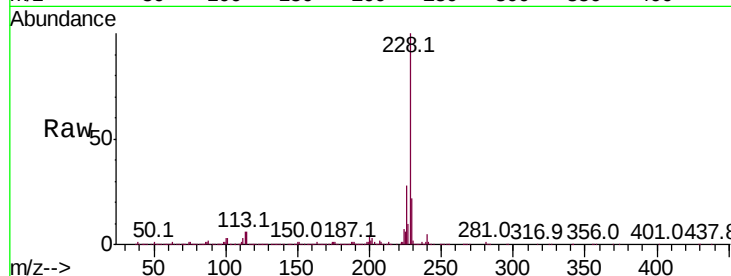
Tot Ion:228 Resp: 1145126

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

229 21.6 16.3 24.5



#83

Chrysene

Concen: 55.708 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.02 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

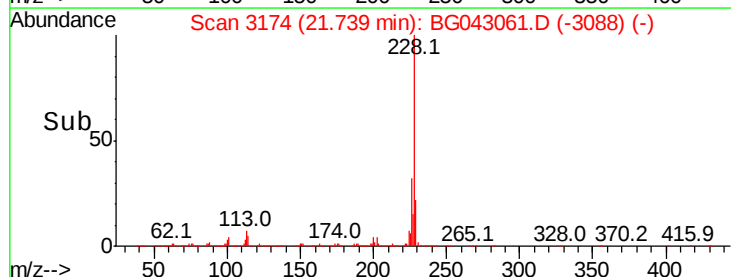
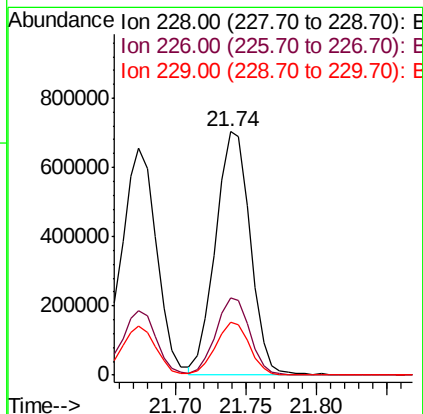
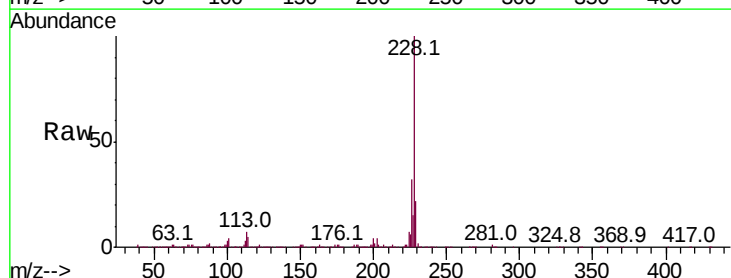
Tgt Ion:228 Resp: 1196387

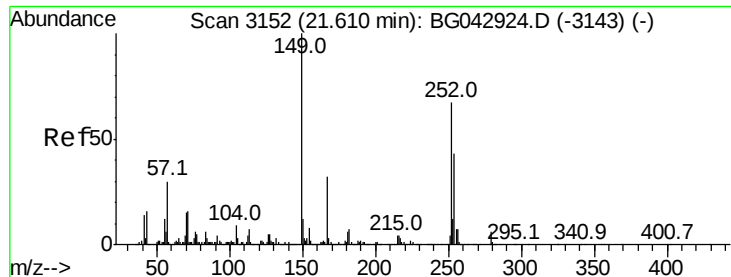
Ion Ratio Lower Upper

228 100

226 31.9 25.6 38.4

229 21.8 16.9 25.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 62.088 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.03 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

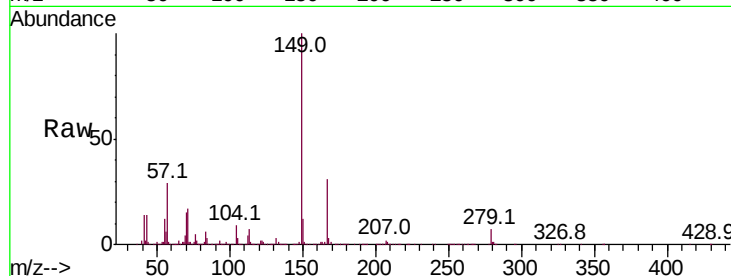
BNA\_G

ClientSampleId :

HR-05-100219MS

Tot Ion:149 Resp: 710894

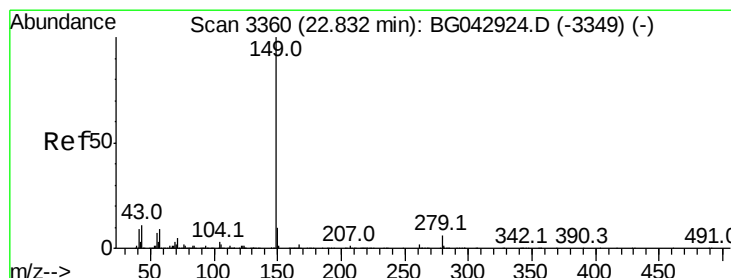
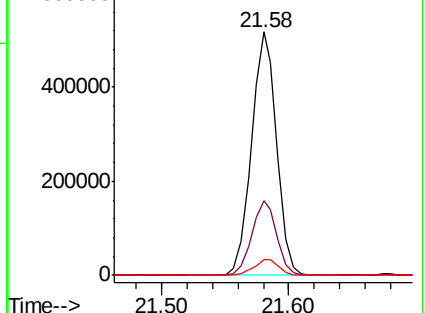
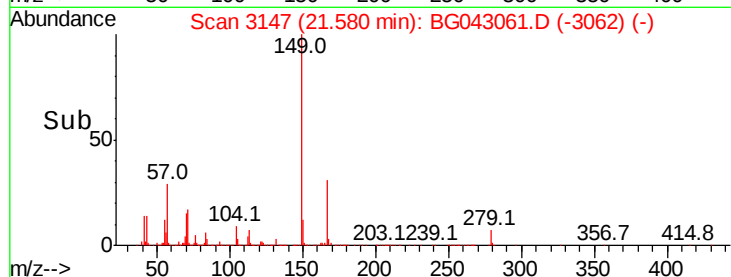
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 30.6  | 25.4  | 38.2  |
| 279 | 6.5   | 5.1   | 7.7   |



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: 63.966 ng

RT: 22.79 min Scan# 3353

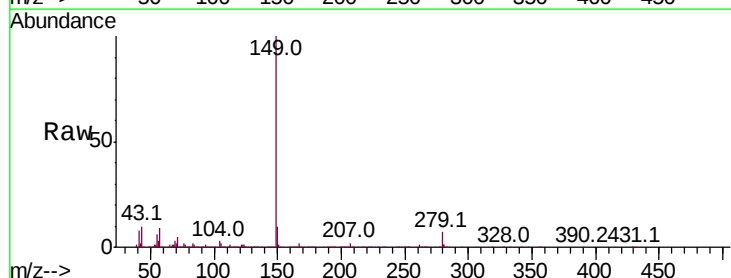
Delta R.T. -0.04 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Tgt Ion:149 Resp: 1197623

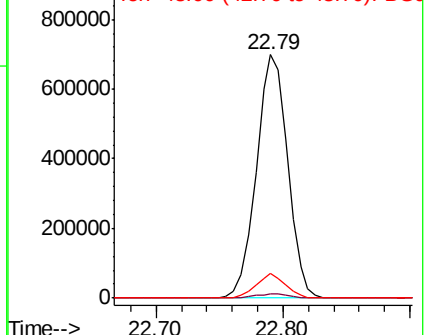
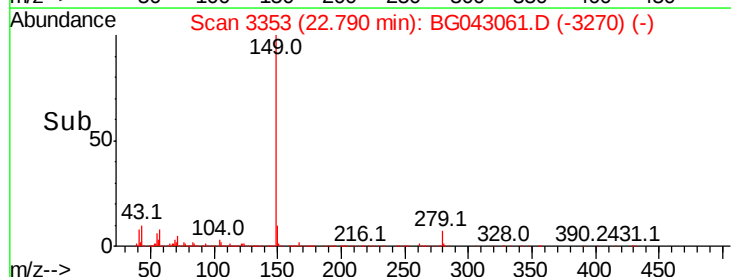
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.9   | 1.4   | 2.0   |
| 43  | 9.2   | 8.7   | 13.1  |

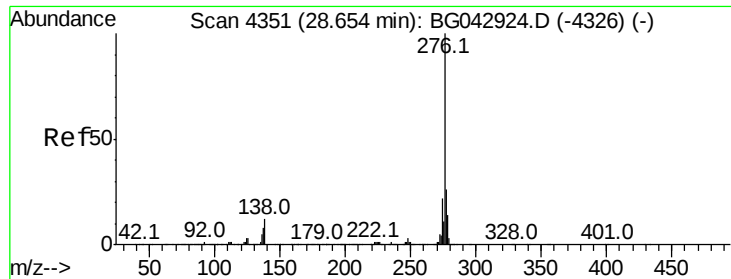


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 28.787 ng

RT: 28.57 min Scan# 4336

Delta R.T. -0.09 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

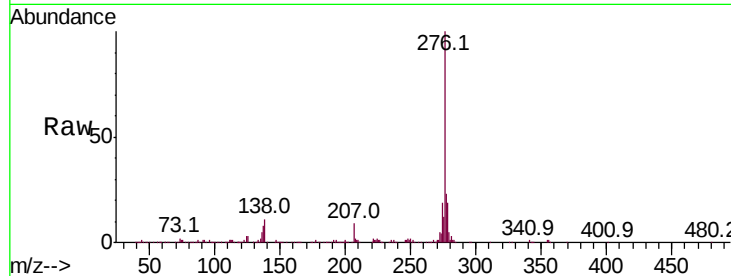
Tot Ion:276 Resp: 769655

Ion Ratio Lower Upper

276 100

138 0.0 7.0 10.6#

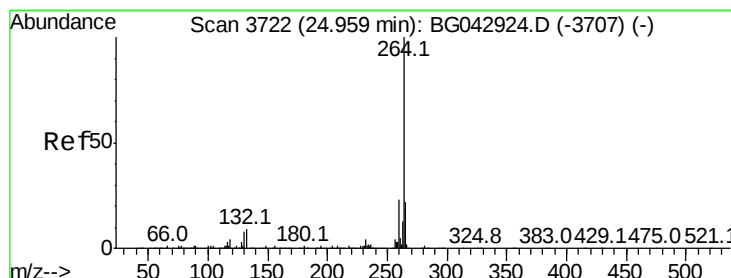
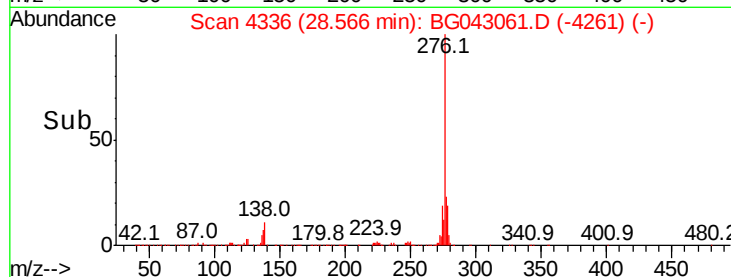
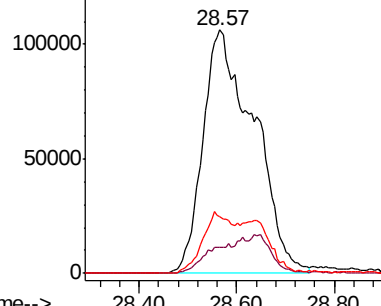
277 14.1 20.9 31.3#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3713

Delta R.T. -0.05 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

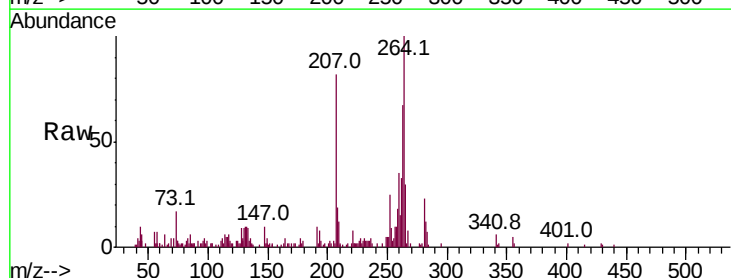
Tgt Ion:264 Resp: 38871

Ion Ratio Lower Upper

264 100

260 34.7 18.7 28.1#

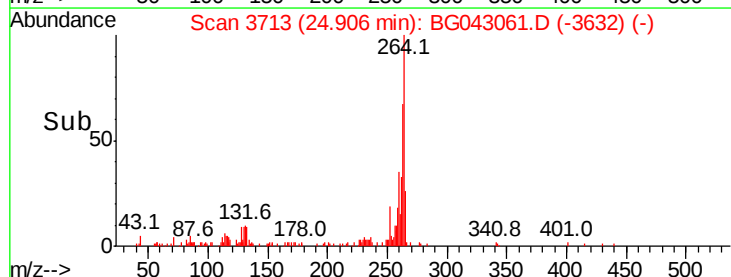
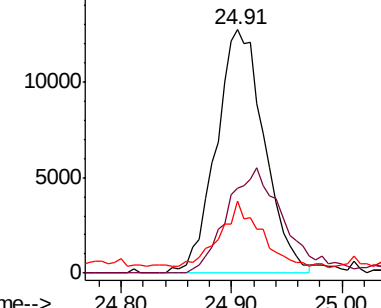
265 29.6 17.7 26.5#

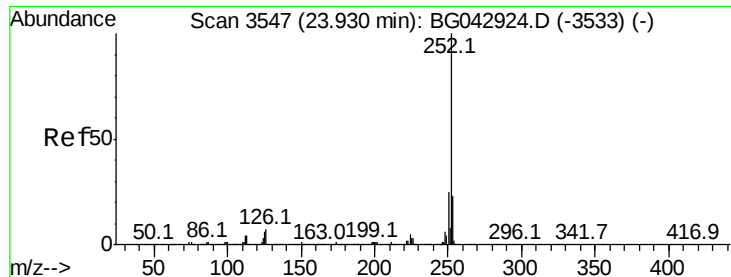


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

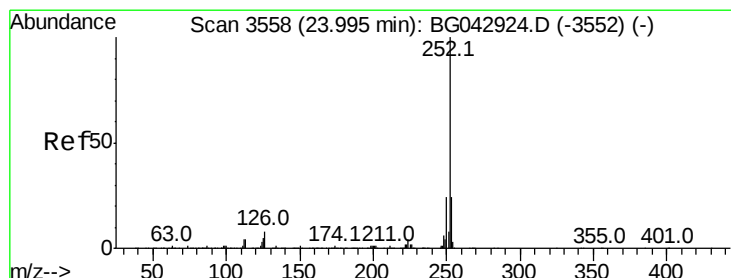
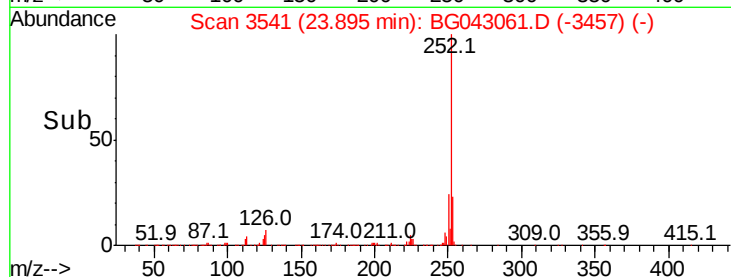
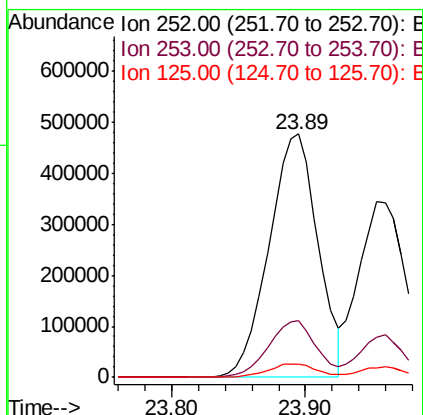
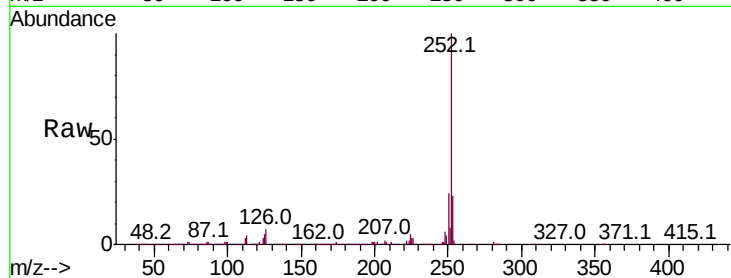




#88  
Benzo(b)fluoranthene  
Concen: 551.034 ng  
RT: 23.89 min Scan# 3541  
Delta R.T. -0.04 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

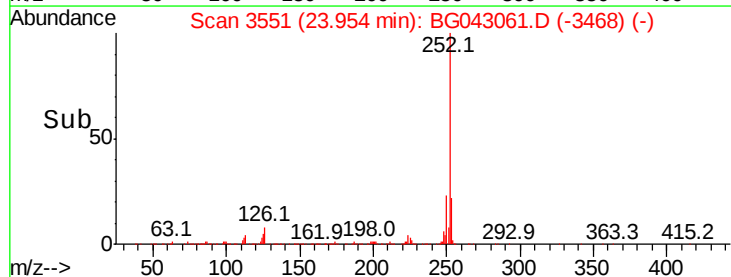
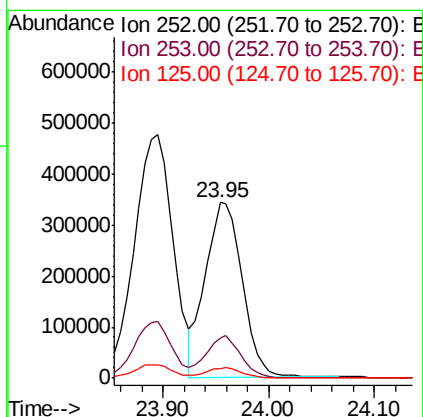
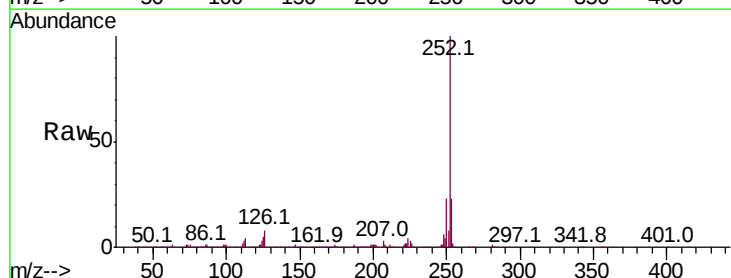
Instrument :  
BNA\_G  
ClientSampleId :  
HR-05-100219MS

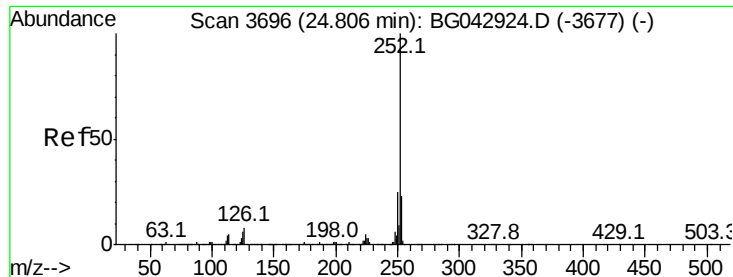
Tot Ion:252 Resp: 1211956  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.2 27.2  
125 5.4 4.6 7.0



#89  
Benzo(k)fluoranthene  
Concen: 384.212 ng  
RT: 23.95 min Scan# 3551  
Delta R.T. -0.04 min  
Lab File: BG043061.D  
Acq: 5 Oct 2019 18:42

Tgt Ion:252 Resp: 835983  
Ion Ratio Lower Upper  
252 100  
253 22.5 18.9 28.3  
125 5.4 4.5 6.7





#90

Benzo(a)pyrene

Concen: 219.318 ng

RT: 24.75 min Scan# 3687

Delta R.T. -0.05 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

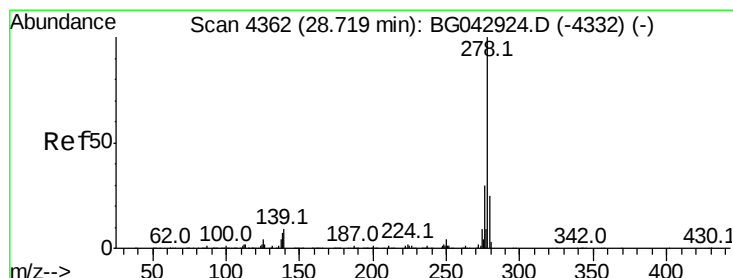
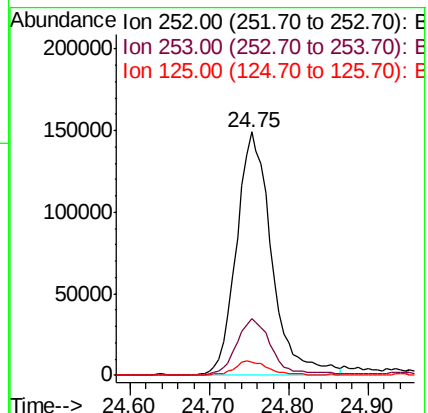
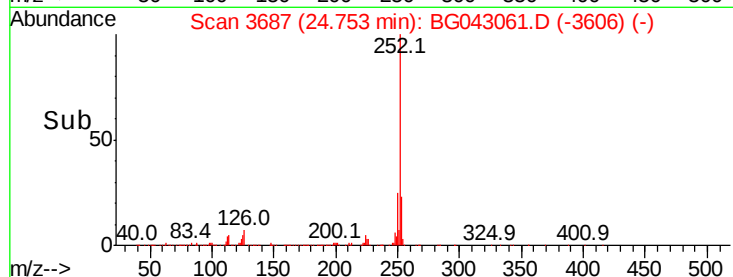
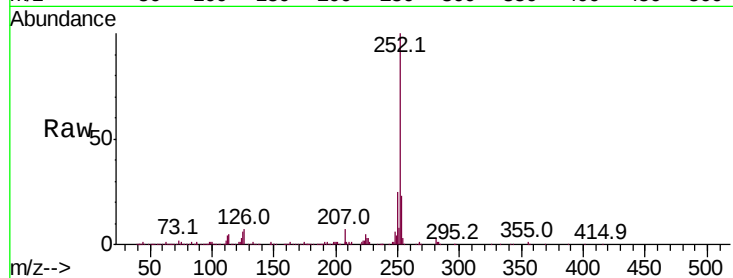
Tot Ion:252 Resp: 455101

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

125 5.6 5.0 7.6



#91

Dibenzo(a,h)anthracene

Concen: 534.848 ng

RT: 28.64 min Scan# 4349

Delta R.T. -0.08 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

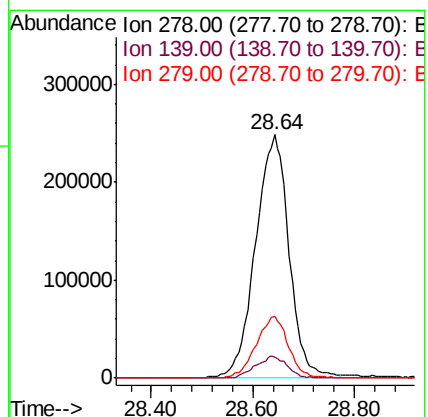
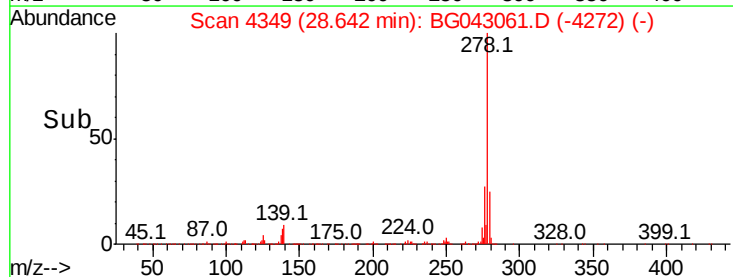
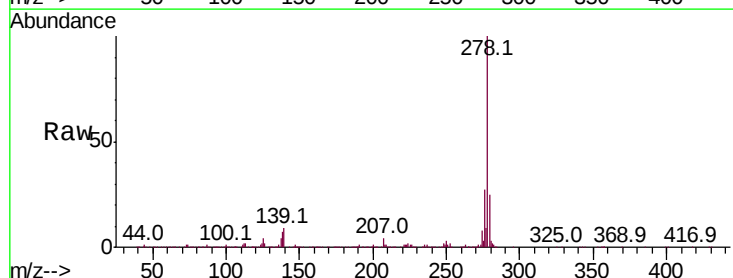
Tgt Ion:278 Resp: 1138060

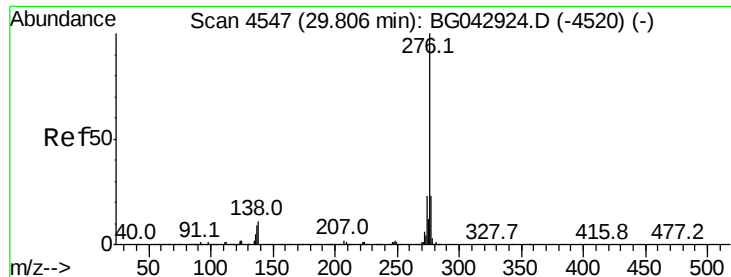
Ion Ratio Lower Upper

278 100

139 8.7 6.8 10.2

279 25.3 20.1 30.1





#92

Benzo(a,h,i)perylene

Concen: 266.544 ng

RT: 29.72 min Scan# 4532

Delta R.T. -0.09 min

Lab File: BG043061.D

Acq: 5 Oct 2019 18:42

Instrument :

BNA\_G

ClientSampleId :

HR-05-100219MS

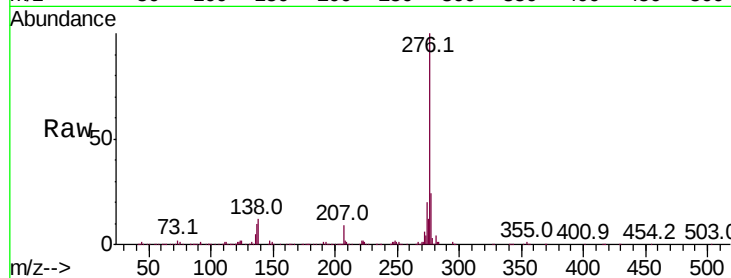
Tot Ion:276 Resp: 549529

Ion Ratio Lower Upper

276 100

277 23.6 18.4 27.6

138 12.2 8.6 12.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

