

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\  
 Data File : BG039677.D  
 Acq On : 1 Mar 2019 2:48  
 Operator : JU/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 01 06:07:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 59017    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.99 | 136  | 256791   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.79 | 164  | 171171   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.53 | 188  | 395065   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.83 | 240  | 394449   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.20 | 264  | 408886   | 20.00 | ng    | -0.04    |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.71  | 112 | 275714  | 79.96 | ng | 0.00  |
| 7) Phenol-d6                | 7.31  | 99  | 403568  | 79.51 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.34  | 82  | 376998  | 91.72 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330 | 157653  | 85.53 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 13.41 | 172 | 886117  | 74.26 | ng | -0.02 |
| 79) Terphenyl-d14           | 20.12 | 244 | 1360234 | 72.99 | ng | -0.03 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.60  | 88  | 59409  | 39.387 | ng | 94   |
| 3) Pyridine                    | 4.00  | 79  | 166481 | 41.688 | ng | 95   |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 71553  | 35.827 | ng | # 90 |
| 6) Aniline                     | 7.49  | 93  | 234581 | 36.897 | ng | 99   |
| 8) 2-Chlorophenol              | 7.72  | 128 | 152912 | 40.568 | ng | 97   |
| 9) Benzaldehyde                | 7.31  | 77  | 99126  | 38.759 | ng | 100  |
| 10) Phenol                     | 7.34  | 94  | 204944 | 38.734 | ng | 96   |
| 11) bis(2-Chloroethyl)ether    | 7.58  | 93  | 159161 | 38.069 | ng | 96   |
| 12) 1,3-Dichlorobenzene        | 8.05  | 146 | 182769 | 40.027 | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 8.20  | 146 | 186909 | 41.068 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 8.52  | 146 | 173554 | 39.391 | ng | 99   |
| 15) Benzyl Alcohol             | 8.40  | 79  | 154505 | 38.773 | ng | 96   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 303419 | 32.137 | ng | 100  |
| 17) 2-Methylphenol             | 8.60  | 107 | 133345 | 38.944 | ng | 96   |
| 18) Hexachloroethane           | 9.25  | 117 | 62972  | 40.217 | ng | 98   |
| 19) n-Nitroso-di-n-propylamine | 8.97  | 70  | 130176 | 36.134 | ng | 95   |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 184420 | 39.113 | ng | 95   |
| 22) Acetophenone               | 9.00  | 105 | 256558 | 37.194 | ng | # 94 |
| 24) Nitrobenzene               | 9.39  | 77  | 194687 | 43.841 | ng | 96   |
| 25) Isophorone                 | 9.90  | 82  | 323192 | 35.481 | ng | 99   |
| 26) 2-Nitrophenol              | 10.10 | 139 | 99328  | 54.638 | ng | 95   |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 141962 | 38.527 | ng | 97   |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93  | 210745 | 37.562 | ng | 97   |
| 29) 2,4-Dichlorophenol         | 10.62 | 162 | 167810 | 41.669 | ng | 98   |
| 30) 1,2,4-Trichlorobenzene     | 10.84 | 180 | 185600 | 41.050 | ng | 99   |
| 31) Naphthalene                | 11.04 | 128 | 482493 | 37.875 | ng | 99   |
| 32) Benzoic acid               | 10.27 | 122 | 97877  | 41.962 | ng | 95   |
| 33) 4-Chloroaniline            | 11.15 | 127 | 218162 | 36.934 | ng | 99   |
| 34) Hexachlorobutadiene        | 11.30 | 225 | 124477 | 41.398 | ng | 90   |
| 35) Caprolactam                | 11.94 | 113 | 63881  | 38.333 | ng | 98   |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107 | 183638 | 39.429 | ng | 96   |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 353308 | 37.445 | ng | 99   |
| 38) 1-Methylnaphthalene        | 12.85 | 142 | 339971 | 37.379 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 222328 | 40.823 | ng | 99   |

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

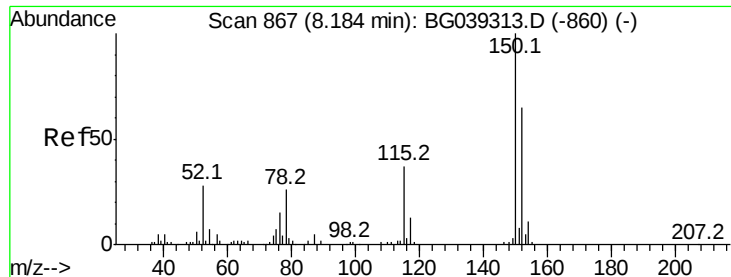
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 01 06:07:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.96 | 237  | 111924   | 37.714 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.23 | 196  | 141169   | 42.158 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.30 | 196  | 148171   | 42.219 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 13.63 | 154  | 523692   | 36.771 | nq    | 100      |
| 47) 2-Chloronaphthalene        | 13.67 | 162  | 411810   | 38.437 | nq    | 98       |
| 48) 2-Nitroaniline             | 13.88 | 65   | 133289   | 44.119 | nq    | 94       |
| 49) Acenaphthylene             | 14.52 | 152  | 607218   | 37.561 | nq    | 99       |
| 50) Dimethylphthalate          | 14.24 | 163  | 507966   | 36.744 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.37 | 165  | 116588   | 45.517 | nq    | 94       |
| 52) Acenaphthene               | 14.85 | 154  | 382359   | 36.436 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.70 | 138  | 118875   | 43.287 | nq    | # 94     |
| 54) 2,4-Dinitrophenol          | 14.90 | 184  | 42945    | 47.235 | nq    | 96       |
| 55) Dibenzofuran               | 15.19 | 168  | 629712   | 37.427 | nq    | 99       |
| 56) 4-Nitrophenol              | 14.99 | 139  | 92096    | 39.970 | nq    | # 88     |
| 57) 2,4-Dinitrotoluene         | 15.15 | 165  | 161571   | 48.685 | nq    | 88       |
| 58) Fluorene                   | 15.84 | 166  | 469765   | 37.454 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 137945   | 41.979 | nq    | 98       |
| 60) Diethylphthalate           | 15.59 | 149  | 511491   | 35.785 | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204  | 279855   | 39.405 | nq    | 97       |
| 62) 4-Nitroaniline             | 15.86 | 138  | 120424   | 42.106 | nq    | 94       |
| 63) Azobenzene                 | 16.11 | 77   | 472604   | 33.829 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 89799    | 54.654 | nq    | 93       |
| 66) n-Nitrosodiphenylamine     | 16.03 | 169  | 453998   | 37.794 | nq    | 97       |
| 67) 4-Bromophenyl-phenylether  | 16.72 | 248  | 179158   | 40.877 | nq    | 94       |
| 68) Hexachlorobenzene          | 16.83 | 284  | 180101   | 40.957 | nq    | 97       |
| 69) Atrazine                   | 16.97 | 200  | 141247   | 32.176 | nq    | 96       |
| 70) Pentachlorophenol          | 17.17 | 266  | 116949   | 38.266 | nq    | 97       |
| 71) Phenanthrene               | 17.58 | 178  | 761344   | 37.234 | nq    | 100      |
| 72) Anthracene                 | 17.67 | 178  | 752364   | 37.355 | nq    | 99       |
| 73) Carbazole                  | 17.94 | 167  | 729799   | 36.308 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.47 | 149  | 860311   | 36.688 | nq    | 99       |
| 75) Fluoranthene               | 19.58 | 202  | 890953   | 37.541 | nq    | 99       |
| 77) Benzidine                  | 19.75 | 184  | 327103   | 25.294 | nq    | # 94     |
| 78) Pyrene                     | 19.94 | 202  | 910866   | 37.094 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.80 | 149  | 396466   | 38.275 | nq    | 95       |
| 81) Benzo(a)anthracene         | 21.80 | 228  | 880874   | 37.793 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 324391   | 37.535 | nq    | 98       |
| 83) Chrysene                   | 21.87 | 228  | 845135   | 38.091 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 557810   | 37.747 | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.93 | 149  | 932394   | 38.191 | nq    | 95       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.08 | 276  | 973298   | 40.886 | nq    | 98       |
| 88) Benzo(b)fluoranthene       | 24.12 | 252  | 850822   | 38.155 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 24.19 | 252  | 842876   | 37.649 | nq    | 99       |
| 90) Benzo(a)pyrene             | 25.04 | 252  | 827759   | 38.544 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 29.15 | 278  | 787400   | 39.151 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.32 | 276  | 791757   | 39.497 | nq    | 97       |

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



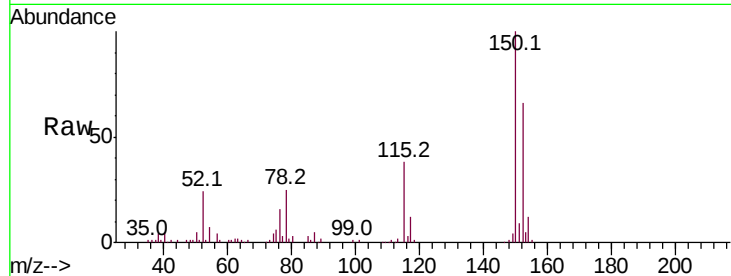


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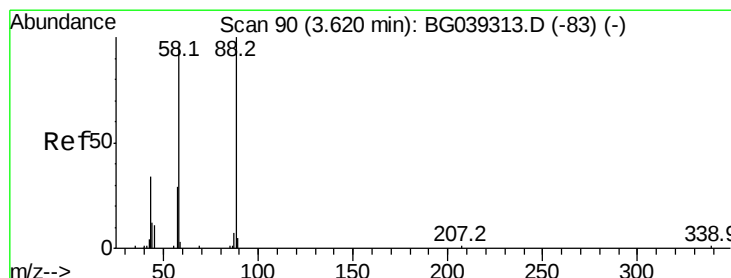
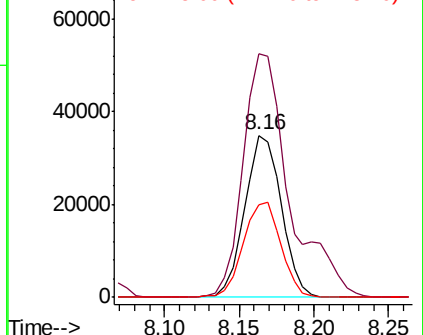
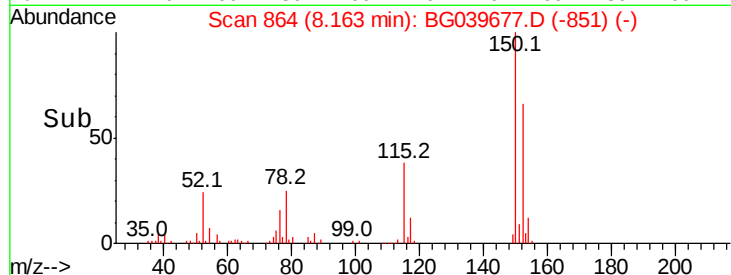
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.4 | 123.7 | 185.5 |
| 115     | 57.5  | 45.9  | 68.9  |



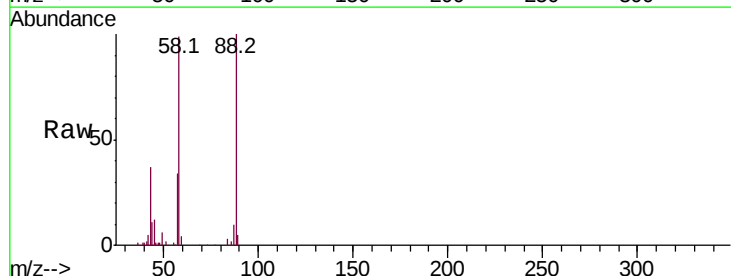
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



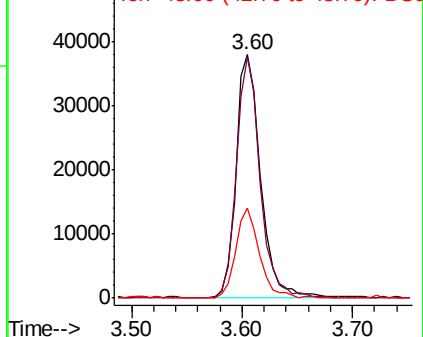
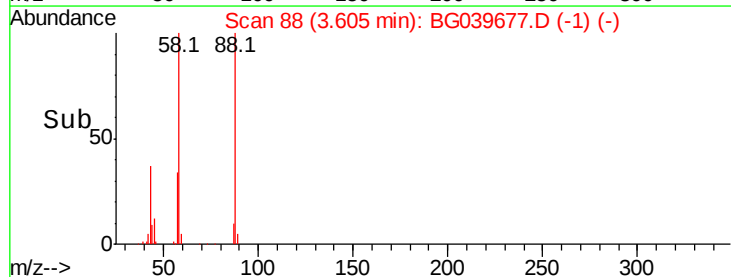
#2

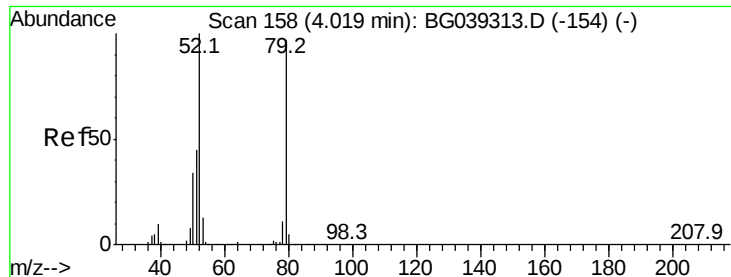
1,4-Dioxane  
Concen: 39.387 ng  
RT: 3.60 min Scan# 88  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 95.6  | 81.1  | 121.7 |
| 43      | 35.3  | 31.4  | 47.0  |



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





#3

Pvridine

Concen: 41.688 ng

RT: 4.00 min Scan# 156

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

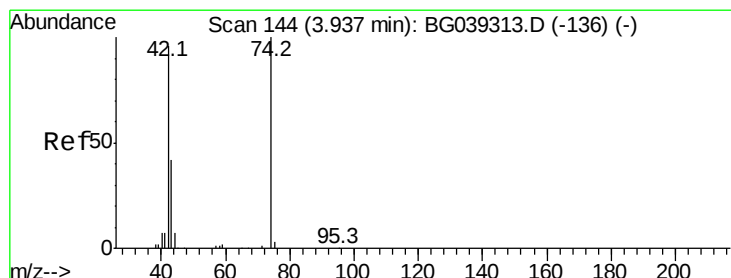
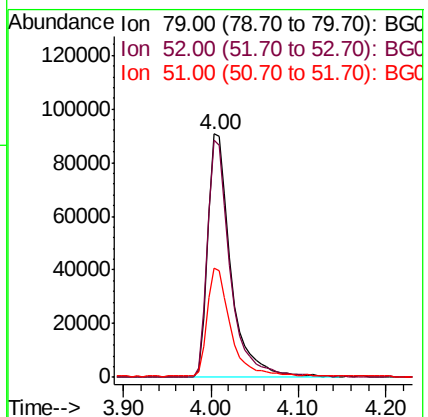
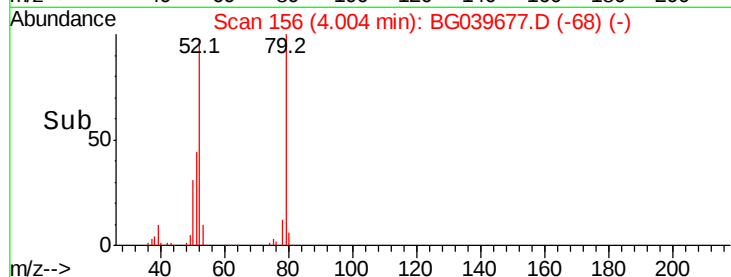
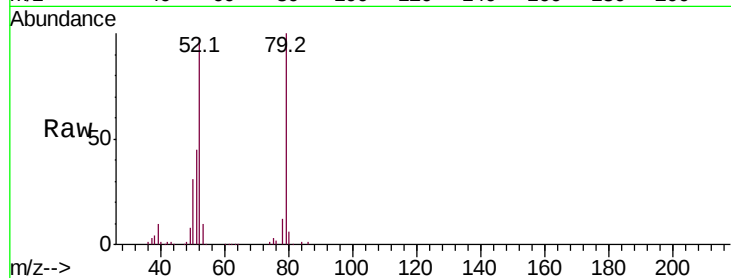
Tot Ion: 79 Resp: 166481

Ion Ratio Lower Upper

79 100

52 97.5 82.6 124.0

51 44.8 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 35.827 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

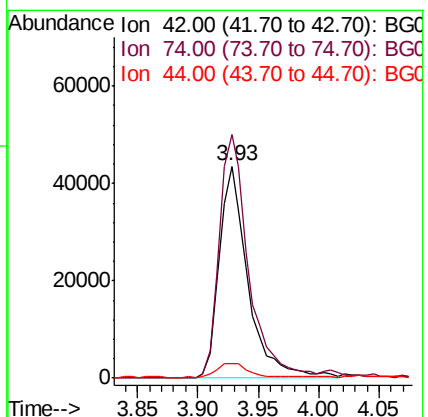
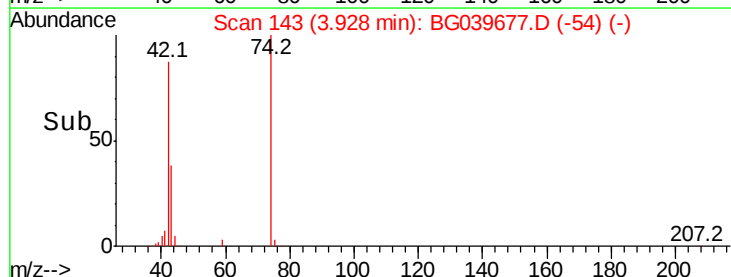
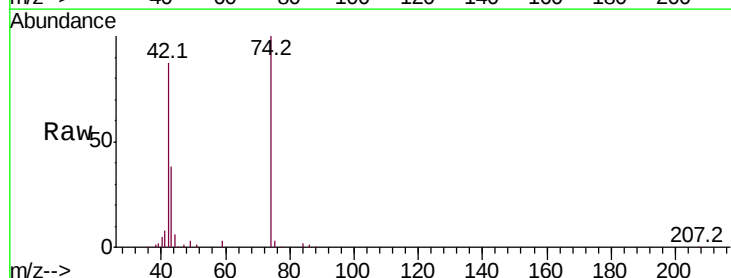
Tgt Ion: 42 Resp: 71553

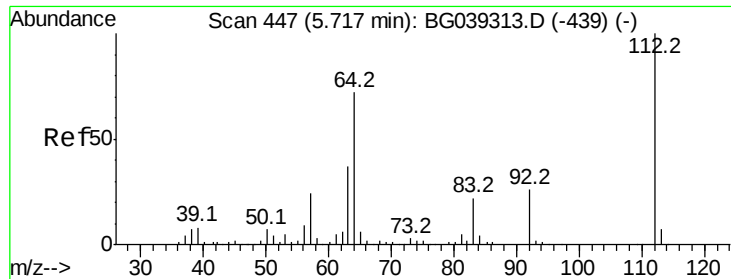
Ion Ratio Lower Upper

42 100

74 115.1 83.6 125.4

44 6.6 6.9 10.3#

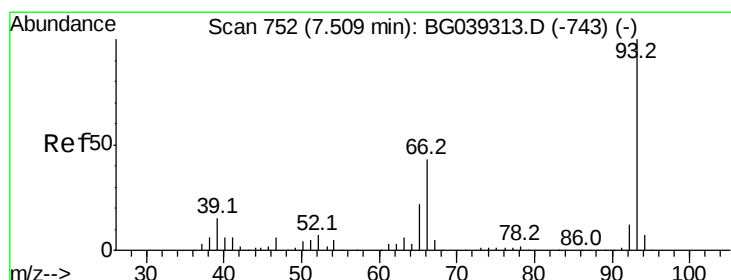
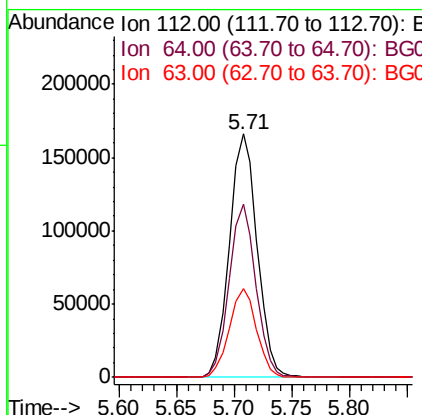
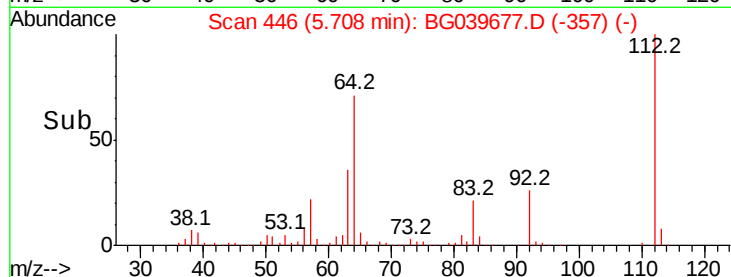
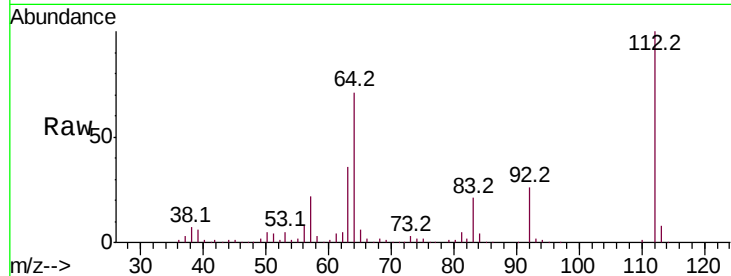




#5  
 2-Fluorophenol  
 Concen: 79.958 ng  
 RT: 5.71 min Scan# 446  
 Delta R.T. -0.01 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

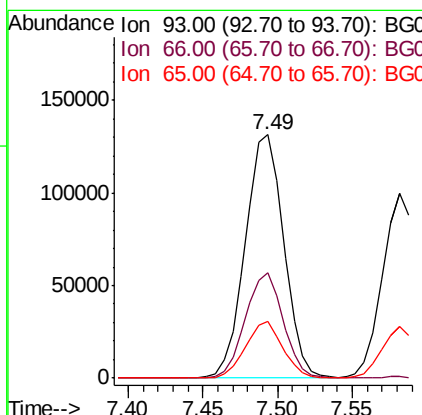
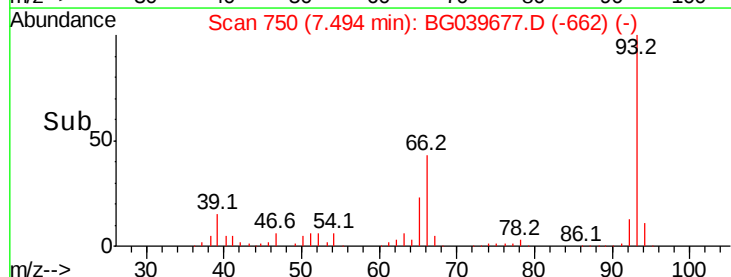
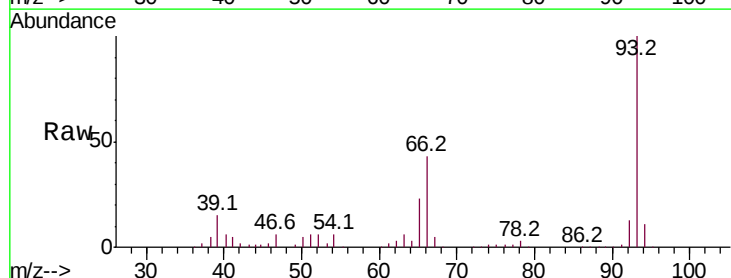
Instrument :  
 BNA\_G  
 ClientSampled :

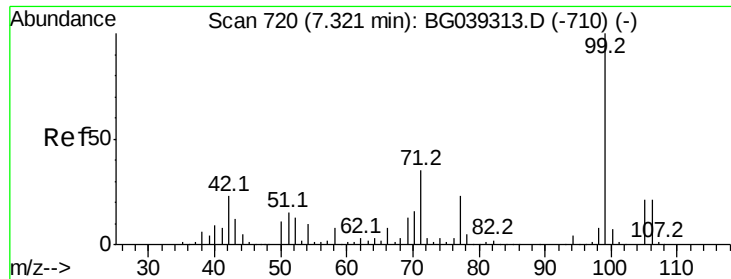
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.2  | 57.8  | 86.8  |
| 63      | 36.5  | 29.8  | 44.6  |



#6  
 Aniline  
 Concen: 36.897 ng  
 RT: 7.49 min Scan# 750  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 43.4  | 34.2  | 51.4  |
| 65      | 23.0  | 17.7  | 26.5  |





#7

Phenol-d6

Concen: 79.510 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

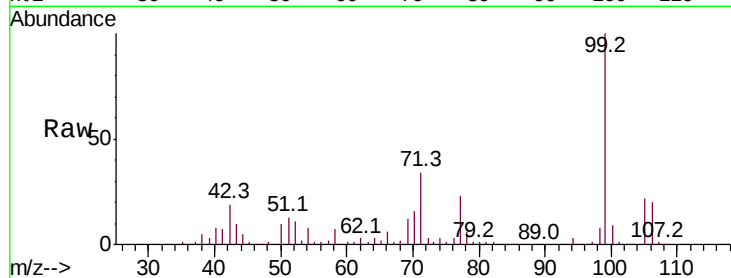
Tot Ion: 99 Resp: 403568

Ion Ratio Lower Upper

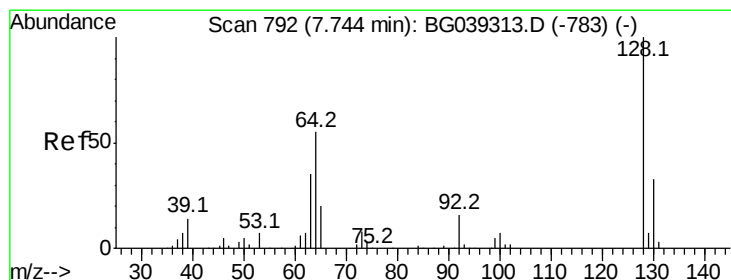
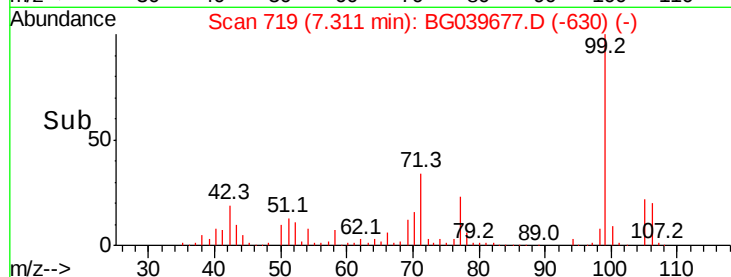
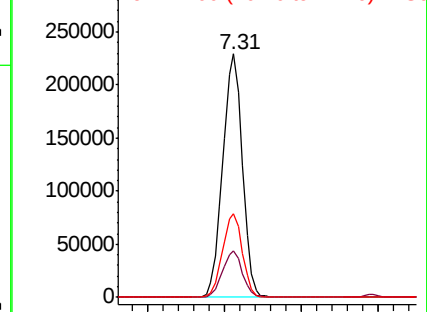
99 100

42 19.1 18.2 27.2

71 34.5 28.0 42.0



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: 40.568 ng

RT: 7.72 min Scan# 789

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

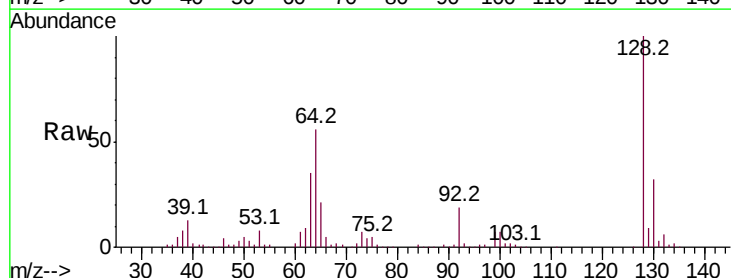
Tgt Ion:128 Resp: 152912

Ion Ratio Lower Upper

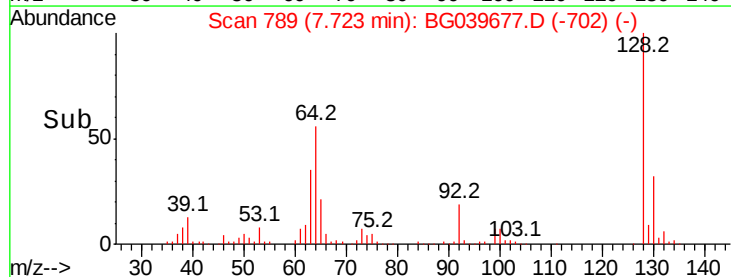
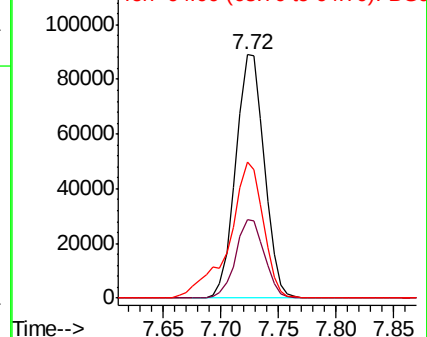
128 100

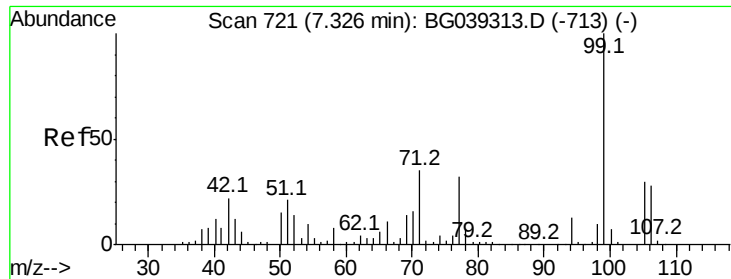
130 32.3 12.9 52.9

64 56.0 38.7 78.7



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





#9

Benzaldehyde

Concen: 38.759 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

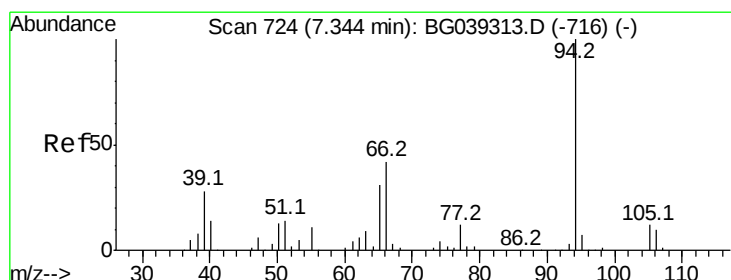
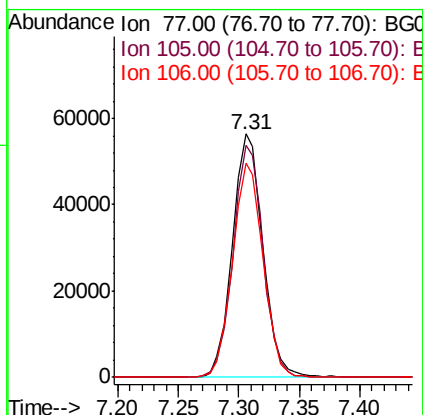
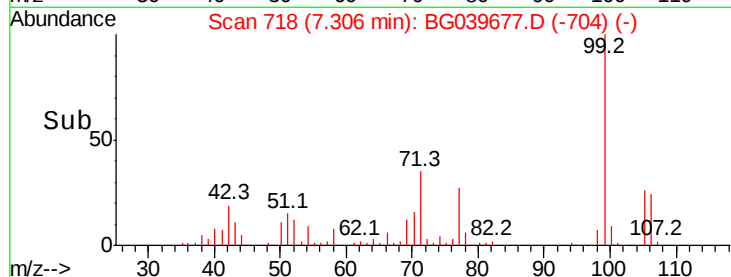
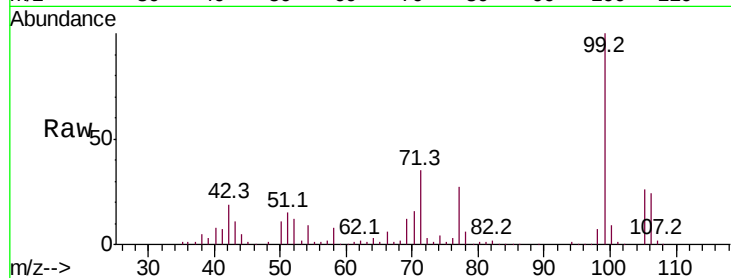
Tot Ion: 77 Resp: 99126

Ion Ratio Lower Upper

77 100

105 95.3 74.5 114.5

106 87.9 68.0 108.0



#10

Phenol

Concen: 38.734 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

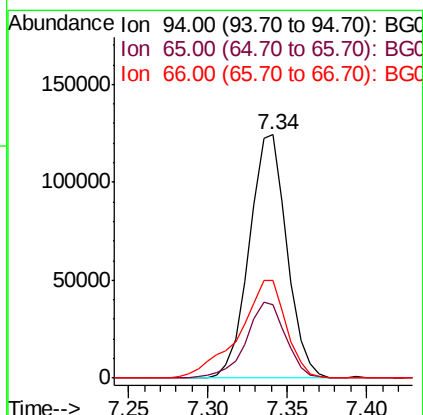
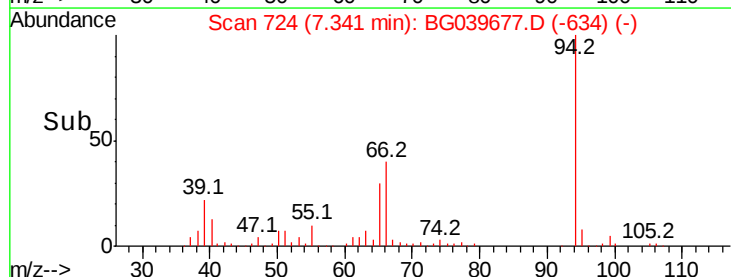
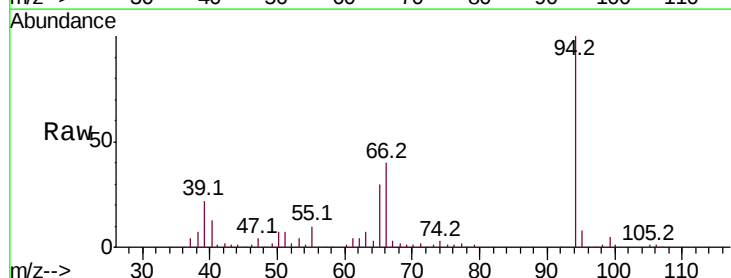
Tgt Ion: 94 Resp: 204944

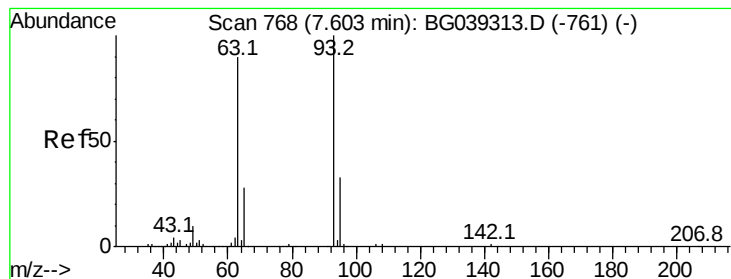
Ion Ratio Lower Upper

94 100

65 30.3 11.7 51.7

66 40.3 23.7 63.7



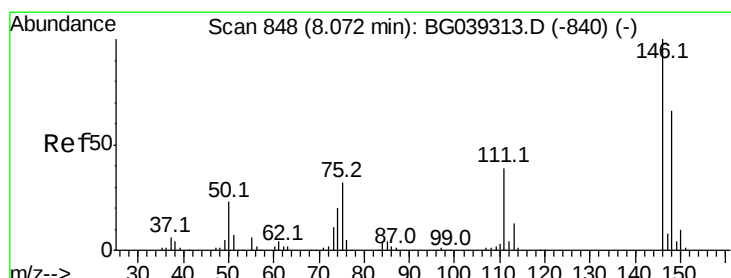
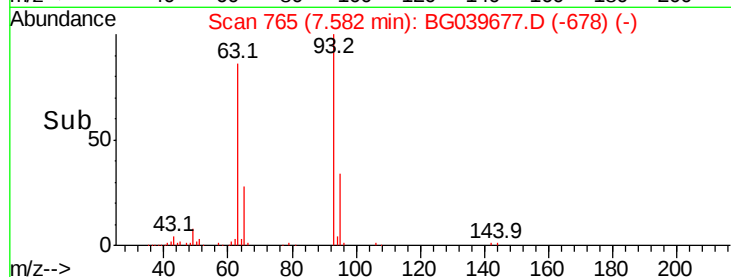
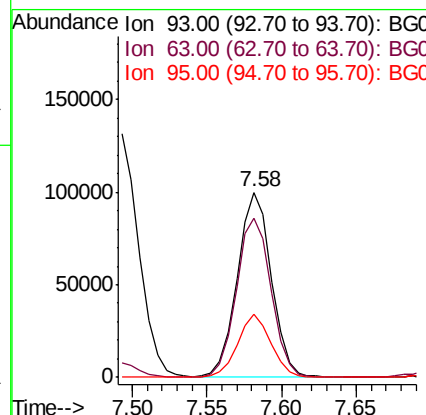
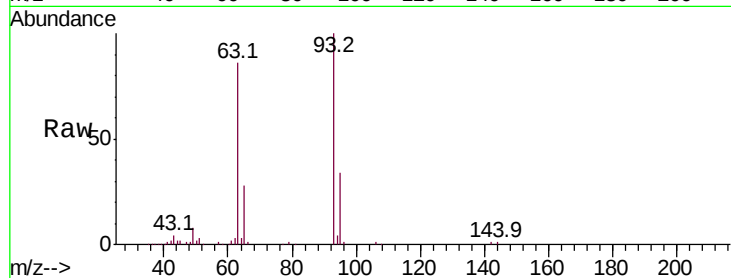


#11

bis(2-Chloroethyl)ether  
 Concen: 38.069 ng  
 RT: 7.58 min Scan# 765  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Instrument :  
 BNA\_G  
 ClientSampleId :

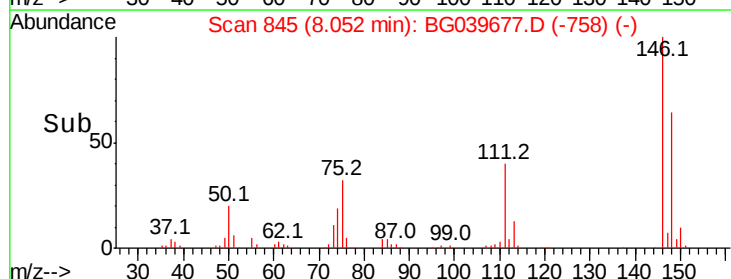
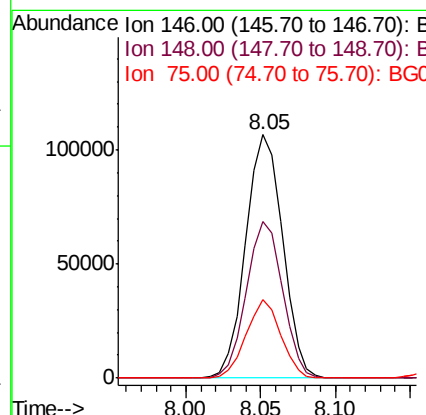
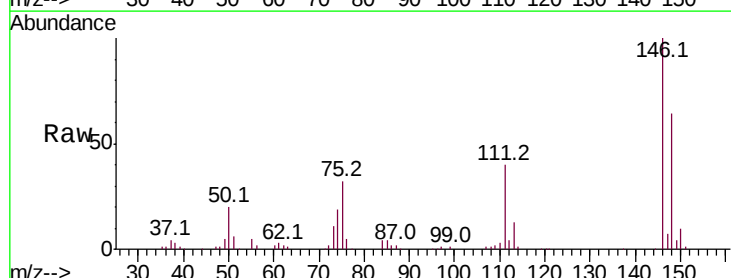
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 85.9  | 69.5  | 109.5 |
| 95      | 34.4  | 12.7  | 52.7  |



#12

1,3-Dichlorobenzene  
 Concen: 40.027 ng  
 RT: 8.05 min Scan# 845  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 52.6  | 79.0  |
| 75      | 32.5  | 25.8  | 38.6  |





#13

1,4-Dichlorobenzene

Concen: 41.068 ng

RT: 8.20 min Scan# 870

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampled :

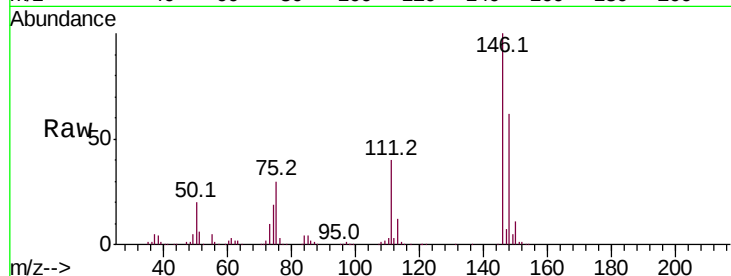
Tot Ion:146 Resp: 186909

Ion Ratio Lower Upper

146 100

148 61.7 51.1 76.7

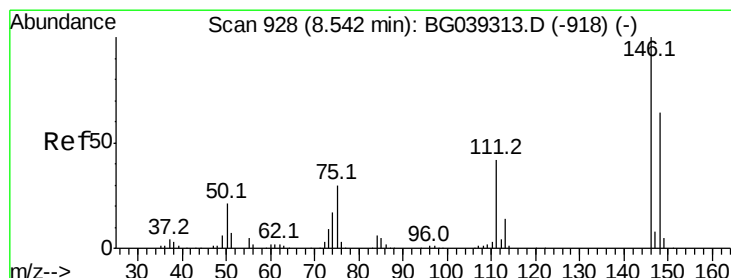
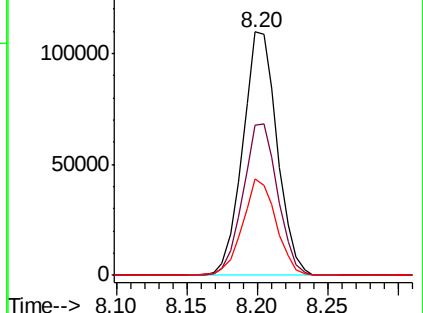
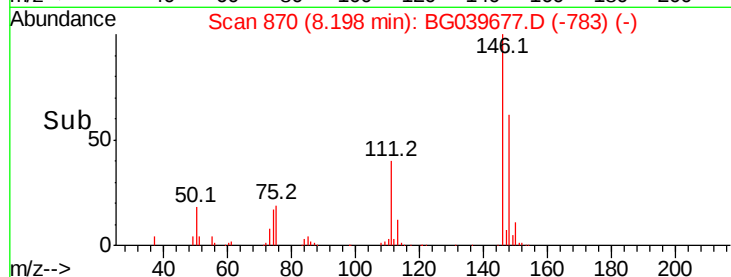
111 39.5 32.6 48.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.391 ng

RT: 8.52 min Scan# 925

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

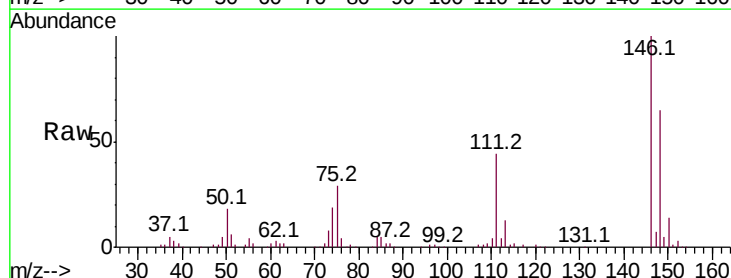
Tgt Ion:146 Resp: 173554

Ion Ratio Lower Upper

146 100

148 64.7 51.5 77.3

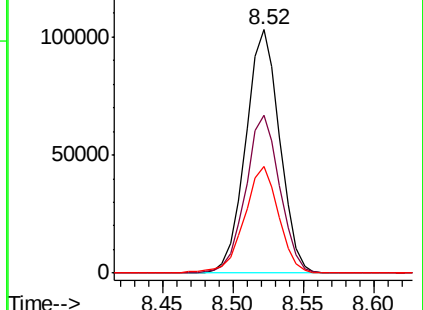
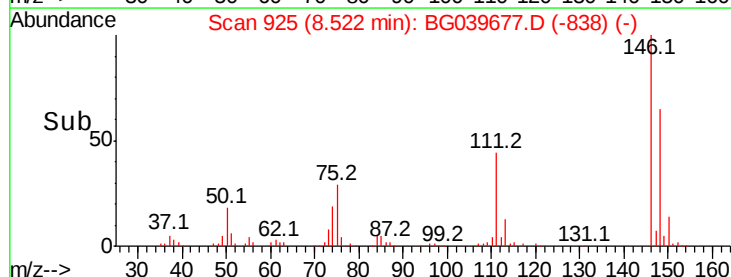
111 43.8 33.8 50.6

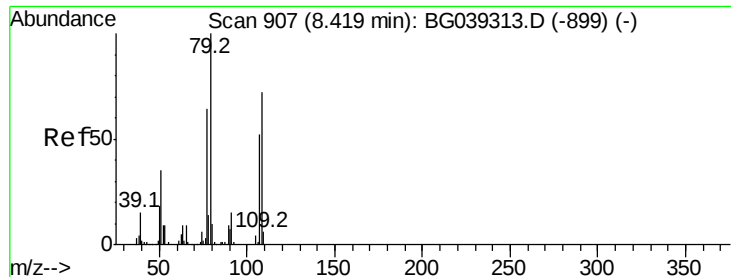


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.773 ng

RT: 8.40 min Scan# 905

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

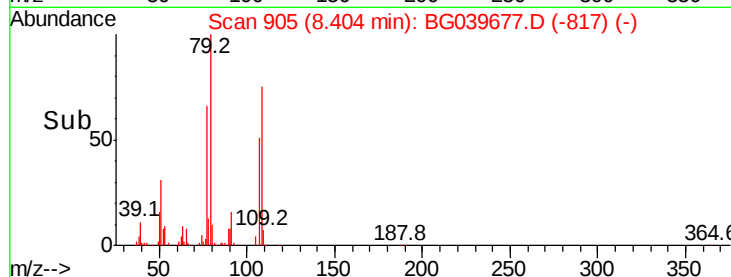
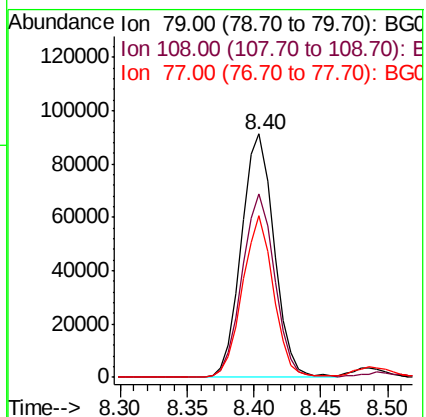
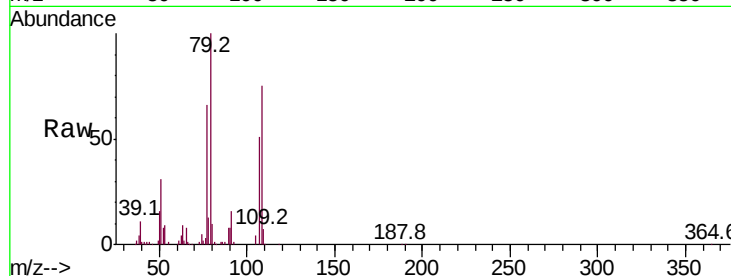
Tot Ion: 79 Resp: 154505

Ion Ratio Lower Upper

79 100

108 75.3 57.8 86.6

77 66.4 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.137 ng

RT: 8.68 min Scan# 952

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

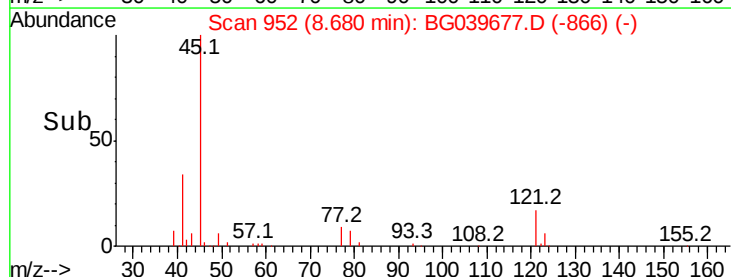
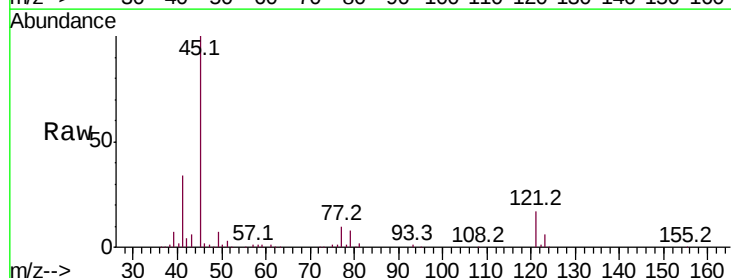
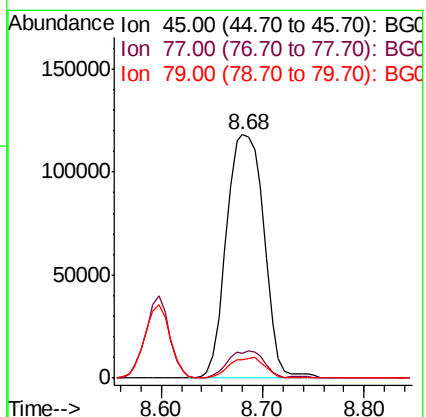
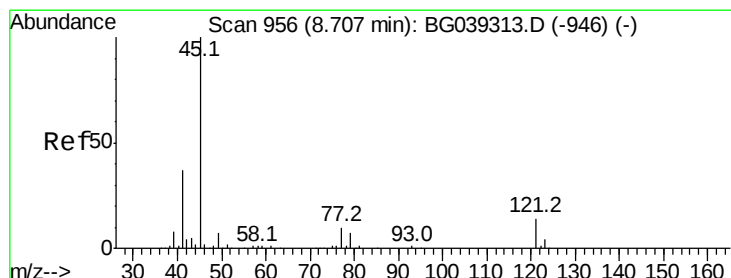
Tgt Ion: 45 Resp: 303419

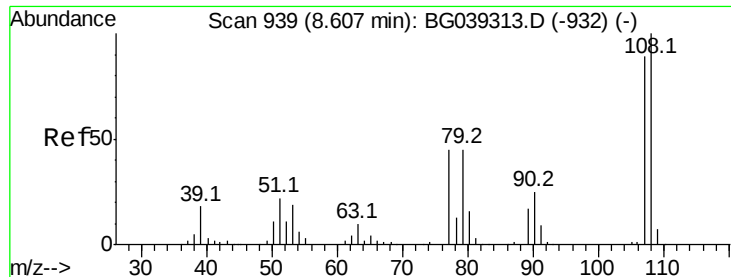
Ion Ratio Lower Upper

45 100

77 10.0 0.0 30.0

79 7.6 0.0 27.5

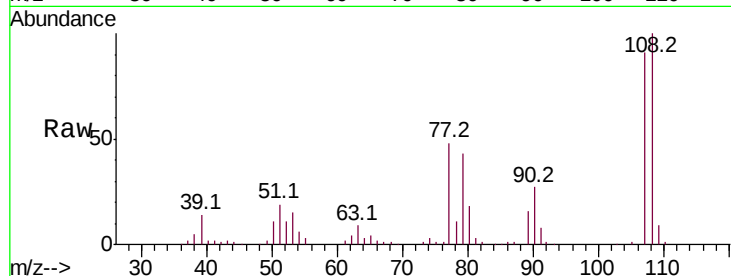




#17  
2-Methylphenol  
Concen: 38.944 ng  
RT: 8.60 min Scan# 938  
Delta R.T. -0.01 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 109.4 | 90.8  | 136.2 |
| 77      | 52.1  | 40.7  | 61.1  |
| 79      | 46.6  | 40.6  | 60.8  |



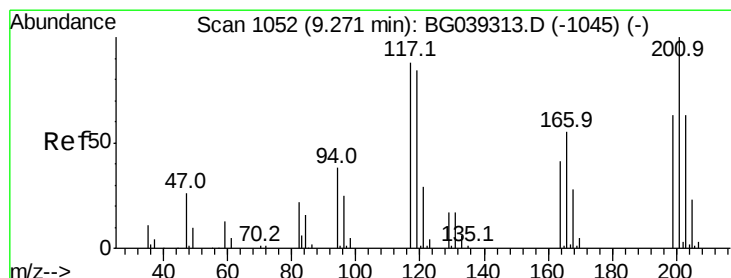
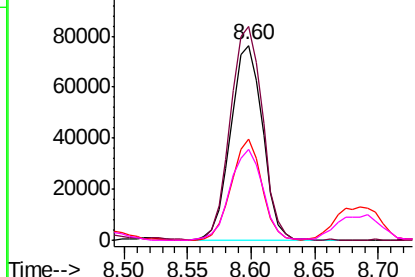
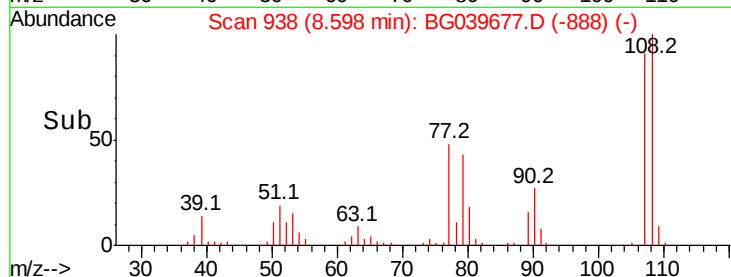
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

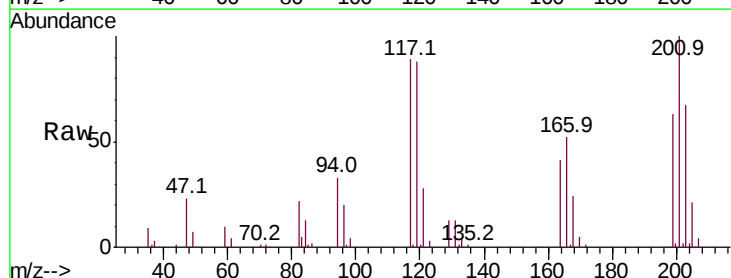
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 40.217 ng  
RT: 9.25 min Scan# 1049  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.5  | 76.3  | 114.5 |
| 201     | 112.9 | 91.1  | 136.7 |

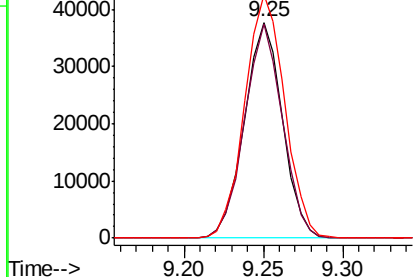
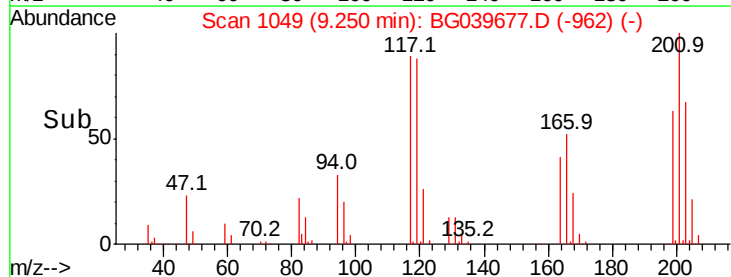


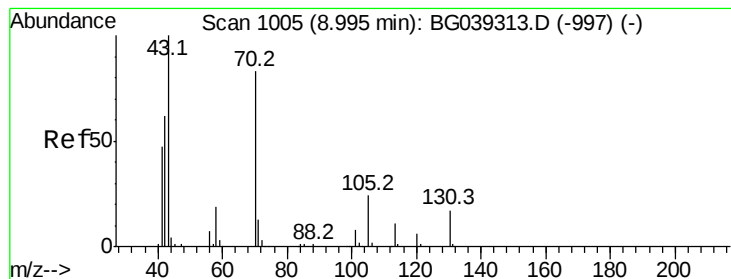
Abundance

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: 36.134 ng

RT: 8.97 min Scan# 1001

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 130176

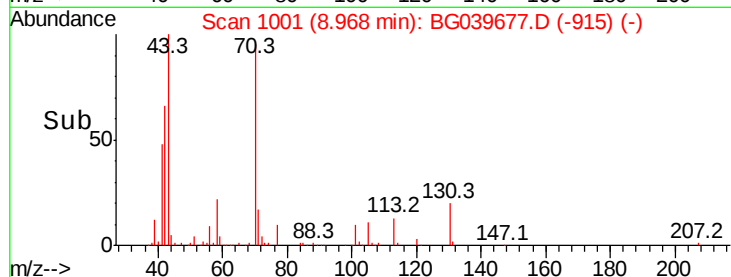
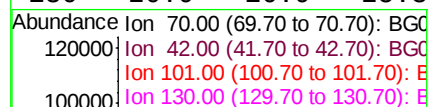
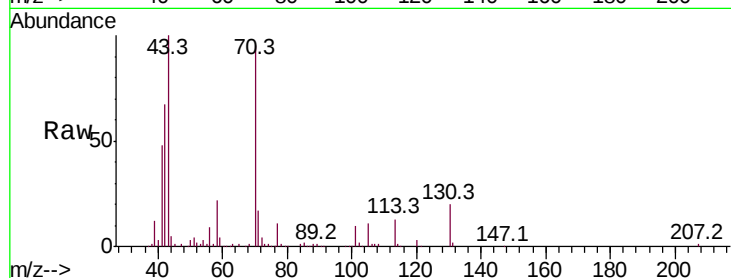
Ion Ratio Lower Upper

70 100

42 70.3 60.4 90.6

101 10.2 7.5 11.3

130 20.9 16.9 25.3



#20

3+4-Methylphenols

Concen: 39.113 ng

RT: 8.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Tgt Ion: 107 Resp: 184420

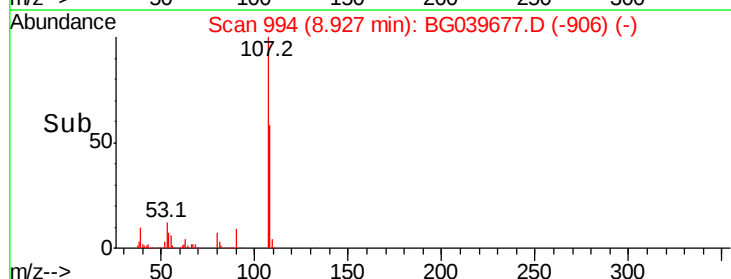
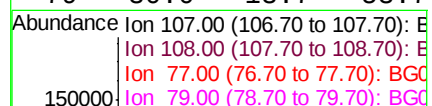
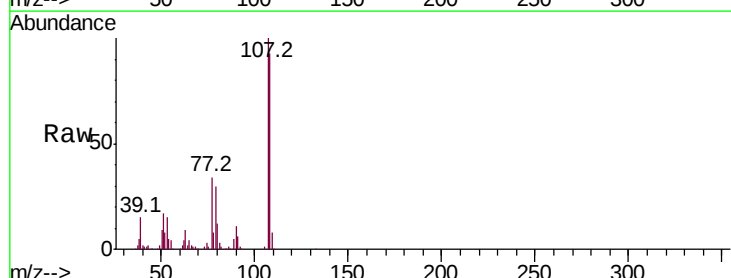
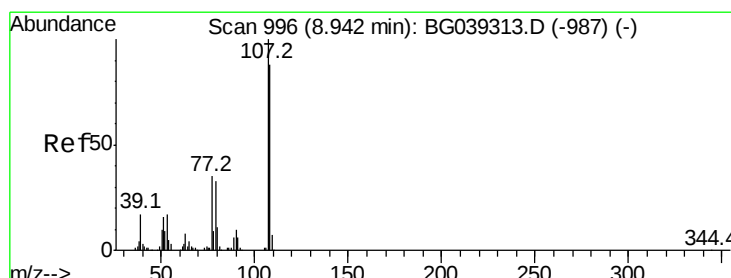
Ion Ratio Lower Upper

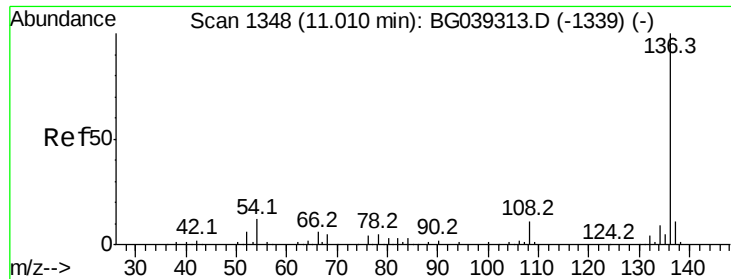
107 100

108 93.5 67.9 107.9

77 34.2 15.4 55.4

79 30.0 13.7 53.7

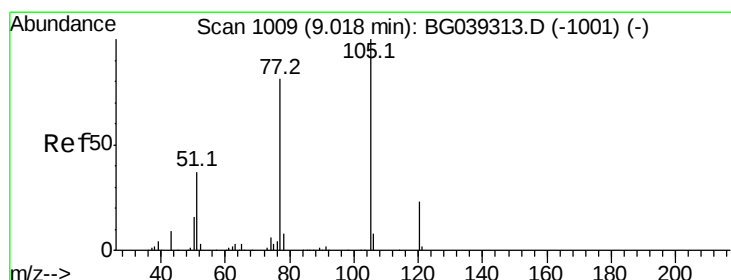
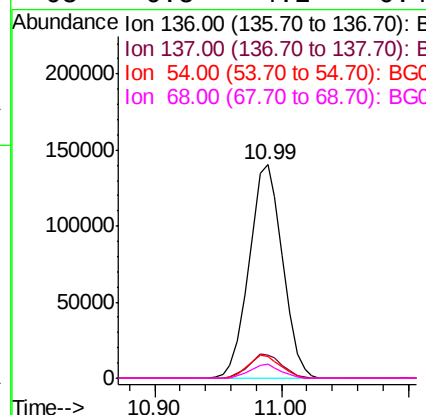
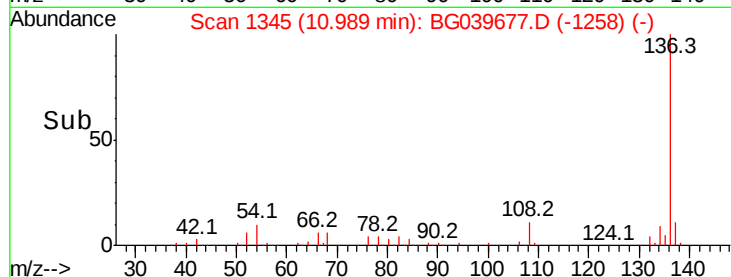
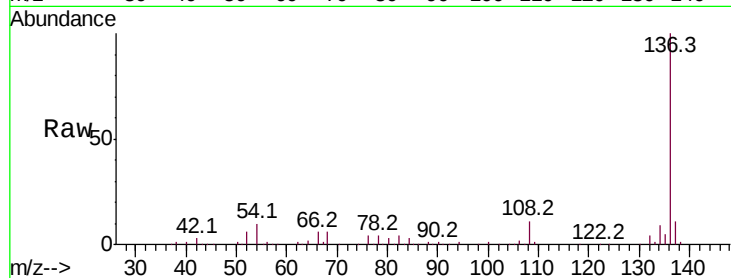




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

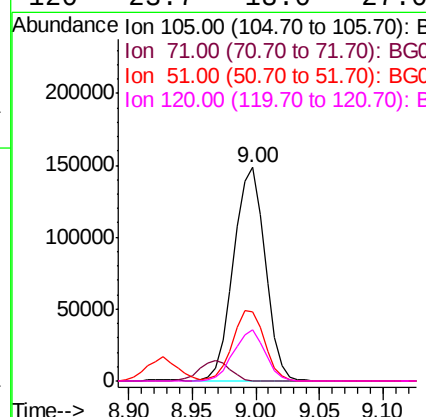
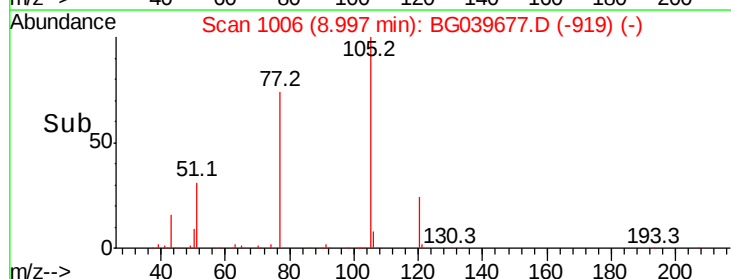
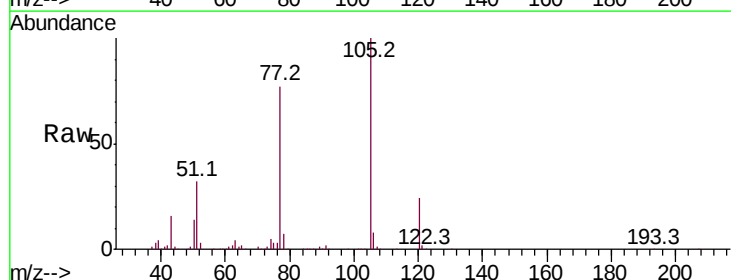
Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 256791 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.1   | 13.7   |
| 54       | 10.1  | 9.4   | 14.2   |
| 68       | 6.5   | 4.2   | 6.4#   |



#22  
Acetophenone  
Concen: 37.194 ng  
RT: 9.00 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 256558 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.3   | 0.8   | 1.2#   |
| 51       | 32.4  | 30.2  | 45.2   |
| 120      | 23.7  | 18.0  | 27.0   |

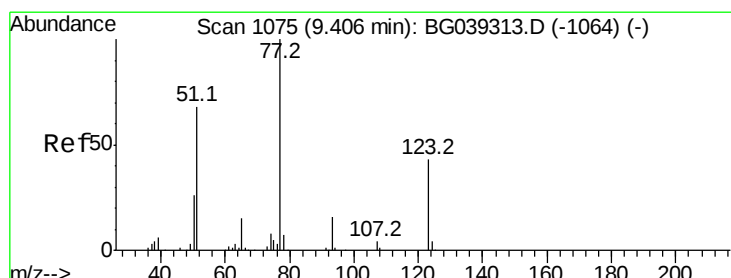
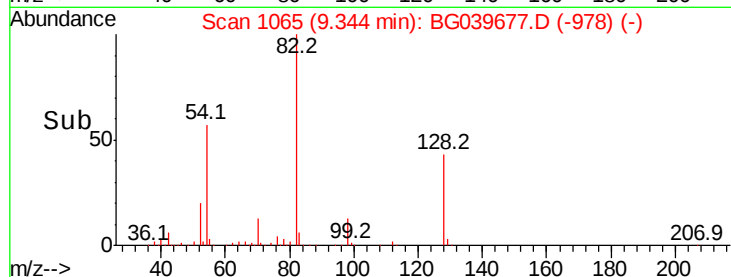
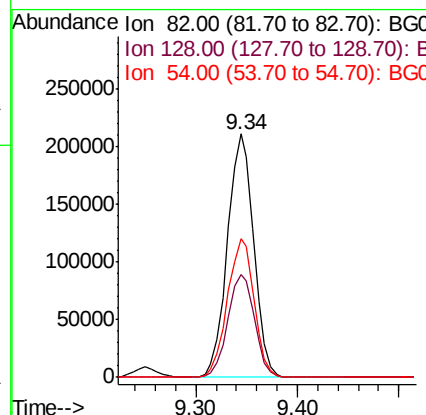
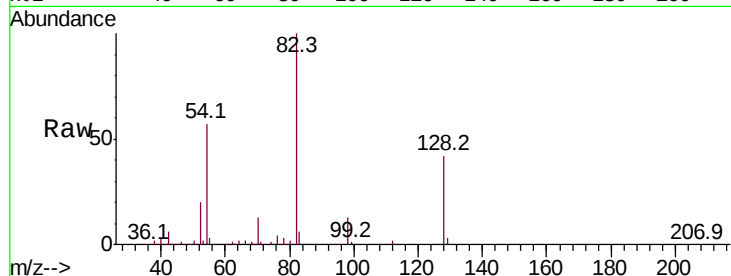




#23  
 Nitrobenzene-d5  
 Concen: 91.715 ng  
 RT: 9.34 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

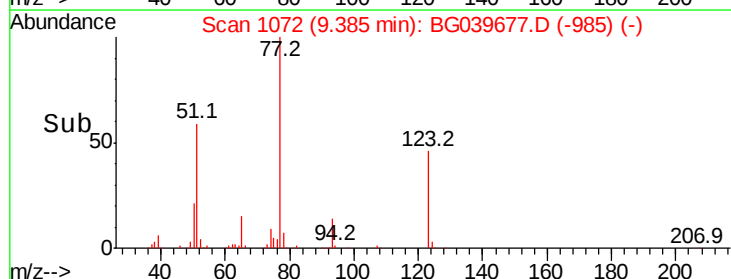
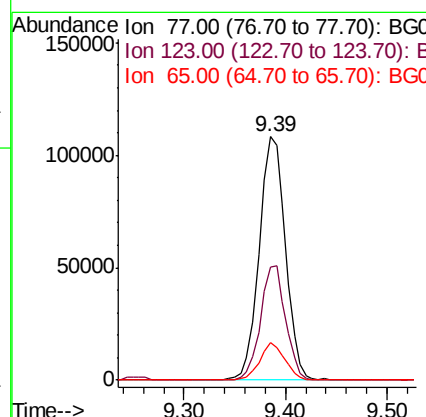
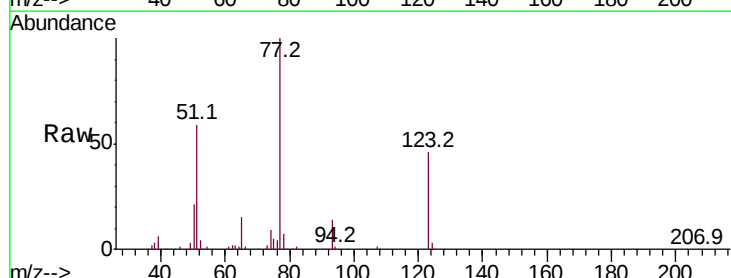
Instrument :  
 BNA\_G  
 ClientSampleId :

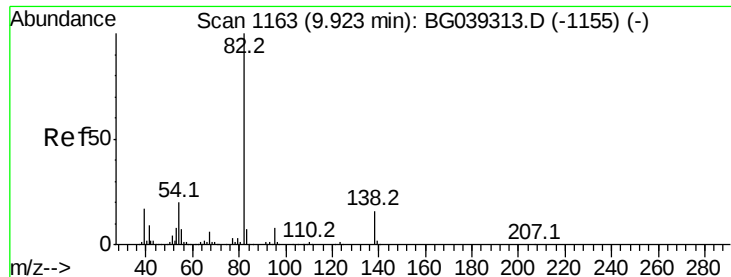
Tot Ion: 82 Resp: 376998  
 Ion Ratio Lower Upper  
 82 100  
 128 42.5 31.3 46.9  
 54 57.1 50.9 76.3



#24  
 Nitrobenzene  
 Concen: 43.841 ng  
 RT: 9.39 min Scan# 1072  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Tgt Ion: 77 Resp: 194687  
 Ion Ratio Lower Upper  
 77 100  
 123 46.4 34.1 51.1  
 65 15.3 12.3 18.5





#25

Isophorone

Concen: 35.481 ng

RT: 9.90 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

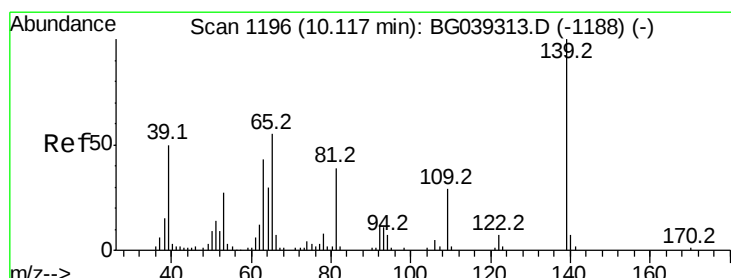
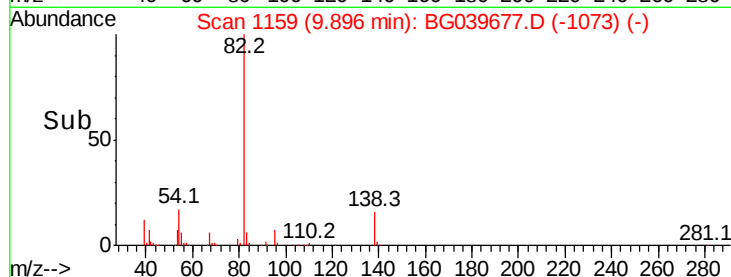
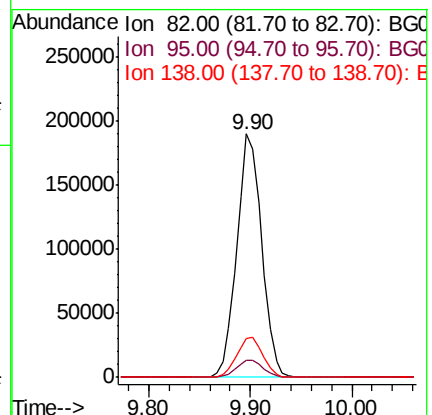
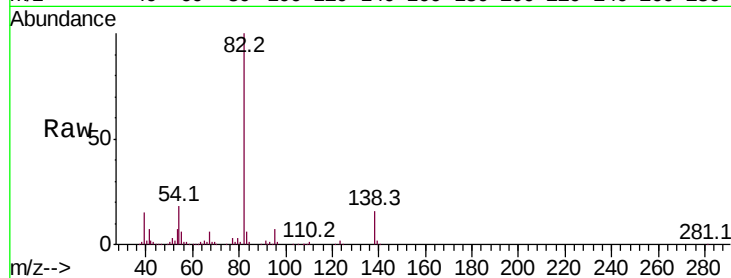
Tot Ion: 82 Resp: 323192

Ion Ratio Lower Upper

82 100

95 7.2 6.2 9.2

138 15.9 13.0 19.4



#26

2-Nitrophenol

Concen: 54.638 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

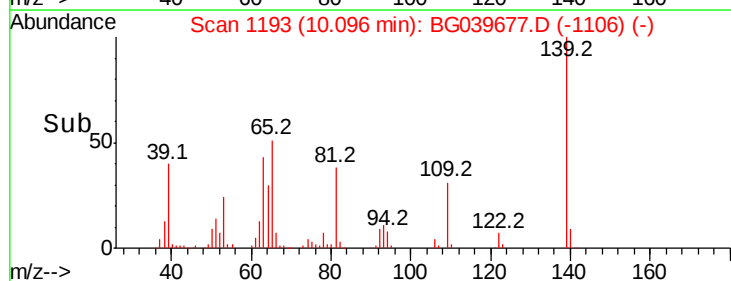
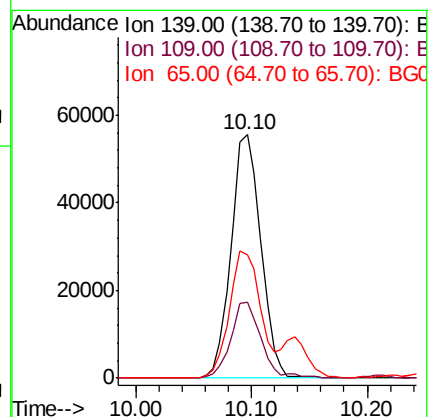
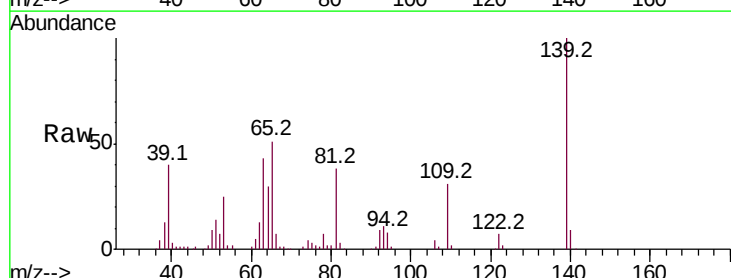
Tgt Ion: 139 Resp: 99328

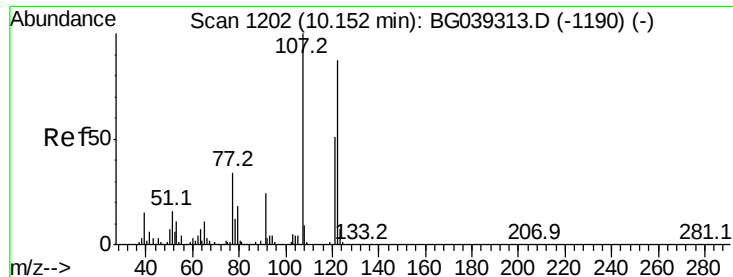
Ion Ratio Lower Upper

139 100

109 31.1 23.4 35.0

65 50.8 44.3 66.5

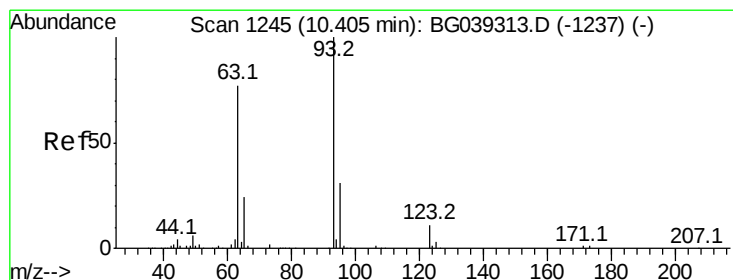
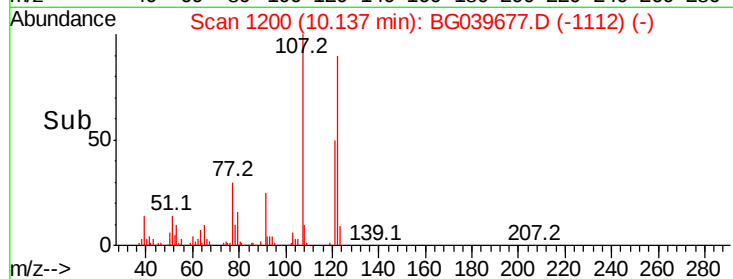
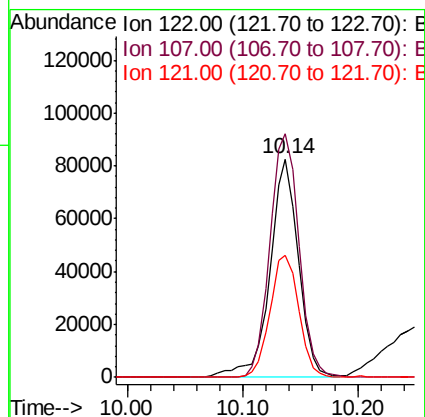
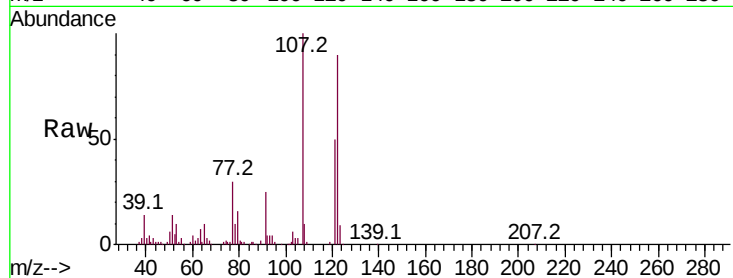




#27  
2,4-Dimethylphenol  
Concen: 38.527 ng  
RT: 10.14 min Scan# 1200  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

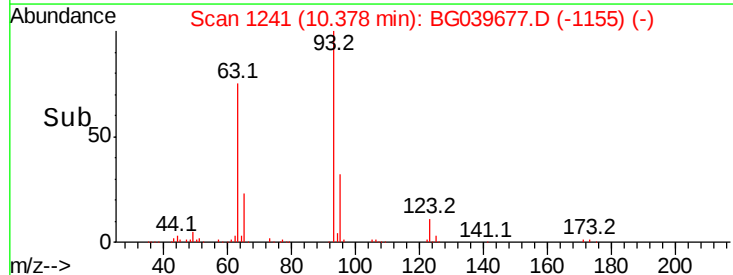
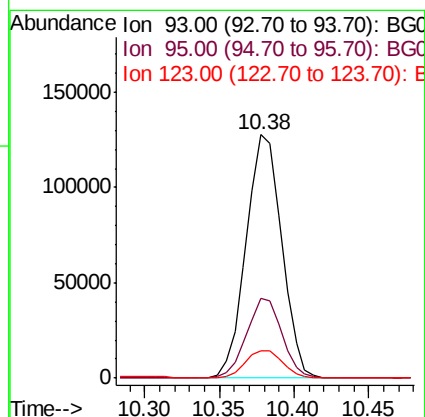
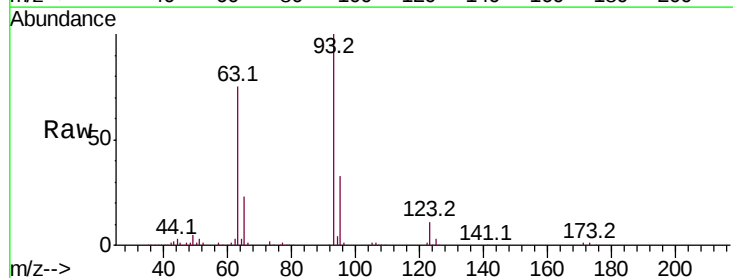
Instrument :  
BNA\_G  
ClientSampleId :

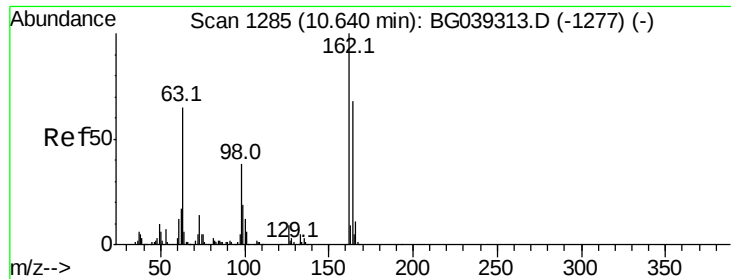
Tot Ion:122 Resp: 141962  
Ion Ratio Lower Upper  
122 100  
107 111.4 91.7 137.5  
121 55.5 46.4 69.6



#28  
bis(2-Chloroethoxy)methane  
Concen: 37.562 ng  
RT: 10.38 min Scan# 1241  
Delta R.T. -0.03 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion: 93 Resp: 210745  
Ion Ratio Lower Upper  
93 100  
95 32.8 25.0 37.4  
123 11.2 8.6 12.8

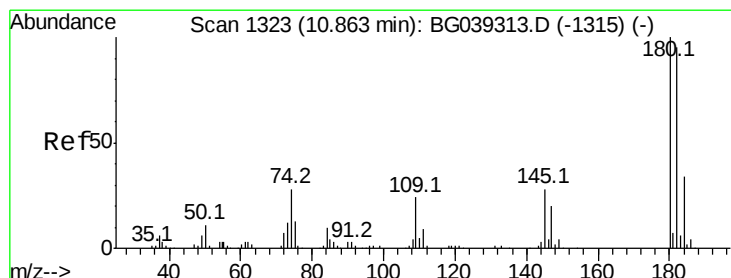
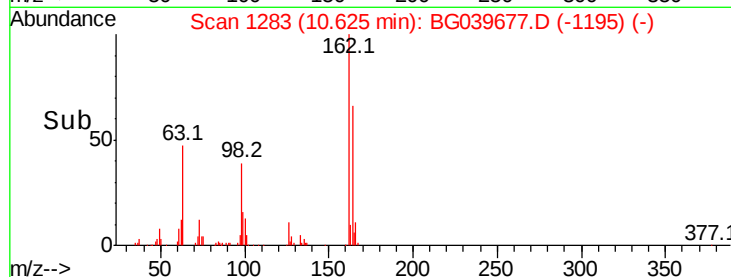
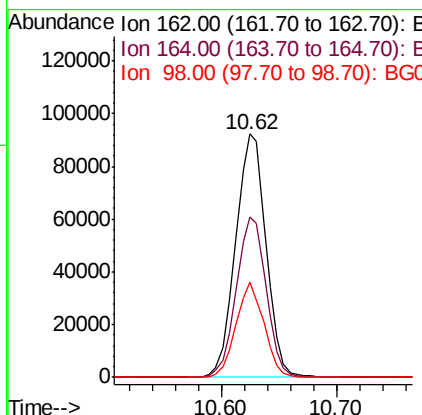
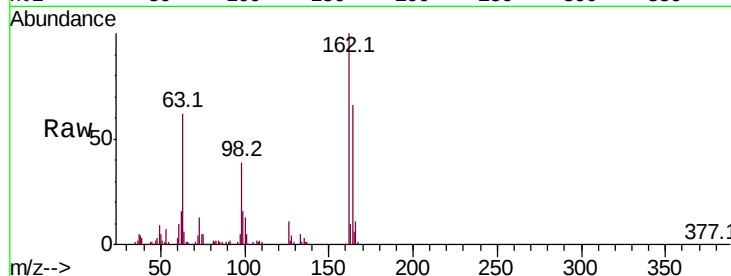




#29  
2,4-Dichlorophenol  
Concen: 41.669 ng  
RT: 10.62 min Scan# 1283  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

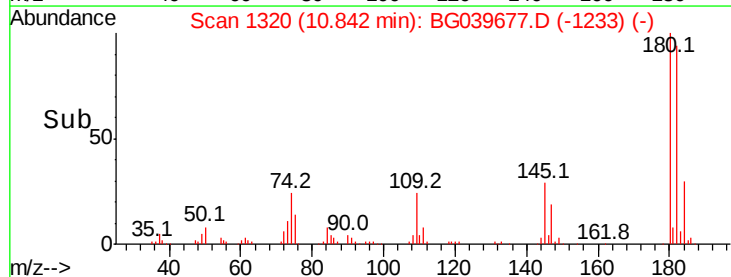
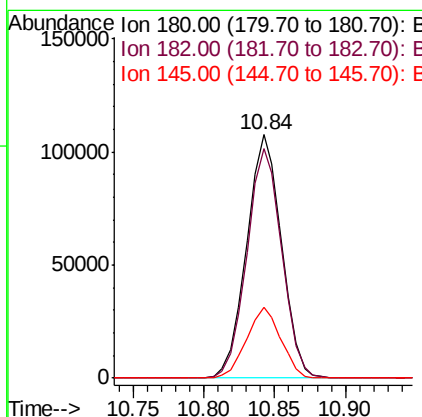
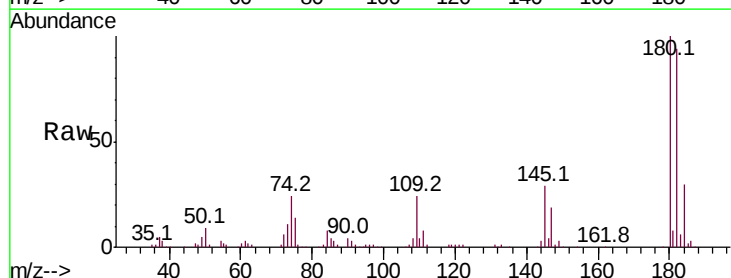
Instrument :  
BNA\_G  
ClientSampleId :

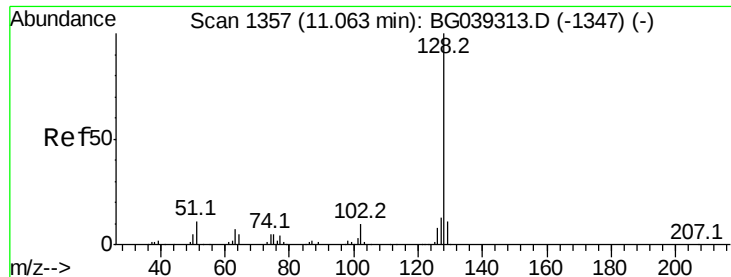
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 66.0  | 48.1  | 88.1  |
| 98      | 38.9  | 18.1  | 58.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 41.050 ng  
RT: 10.84 min Scan# 1320  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 76.0  | 114.0 |
| 145     | 29.0  | 22.7  | 34.1  |

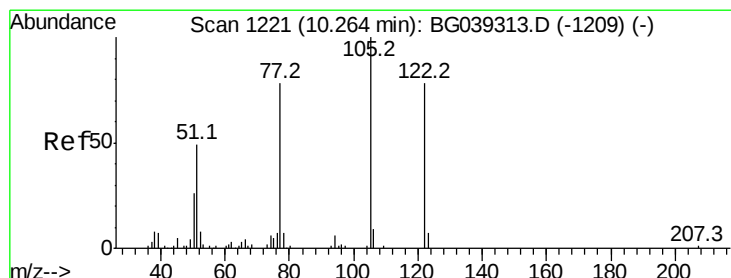
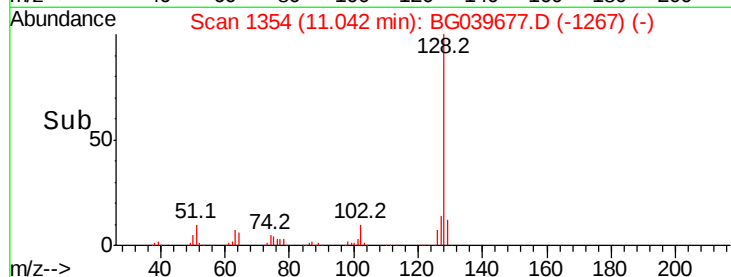
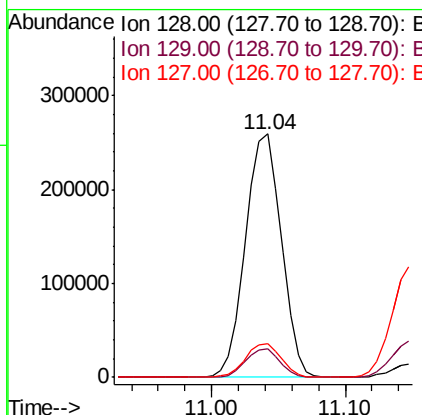
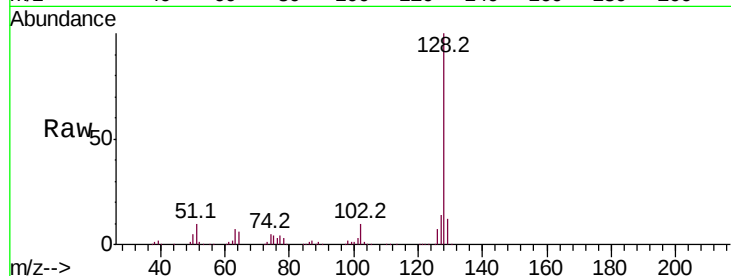




#31  
Naphthalene  
Concen: 37.875 ng  
RT: 11.04 min Scan# 1354  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

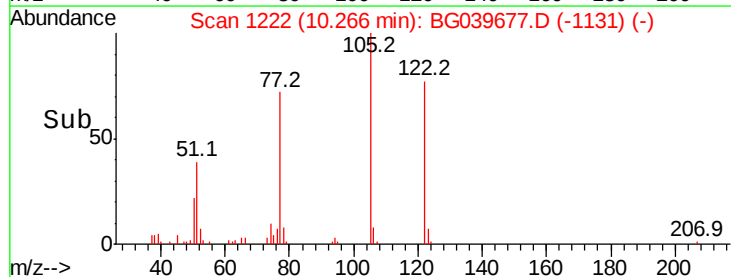
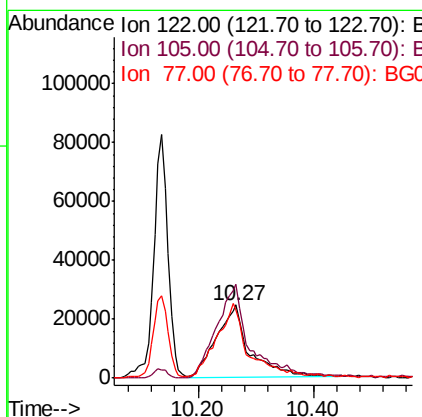
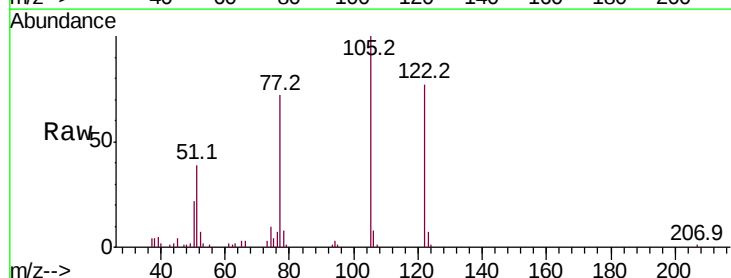
Instrument :  
BNA\_G  
ClientSampleId :

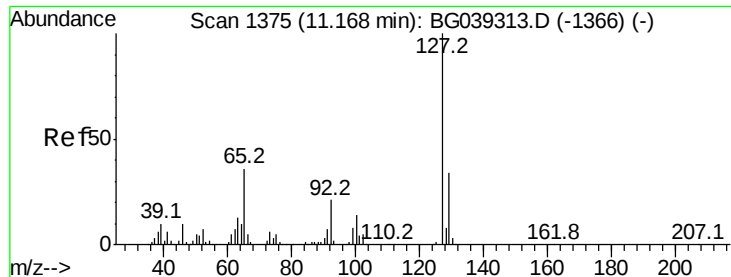
Tot Ion:128 Resp: 482493  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.7 13.1  
127 13.9 10.8 16.2



#32  
Benzoic acid  
Concen: 41.962 ng  
RT: 10.27 min Scan# 1222  
Delta R.T. 0.00 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:122 Resp: 97877  
Ion Ratio Lower Upper  
122 100  
105 129.3 101.8 141.8  
77 93.5 76.3 116.3

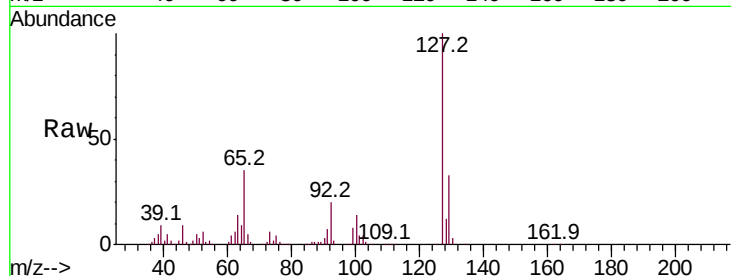




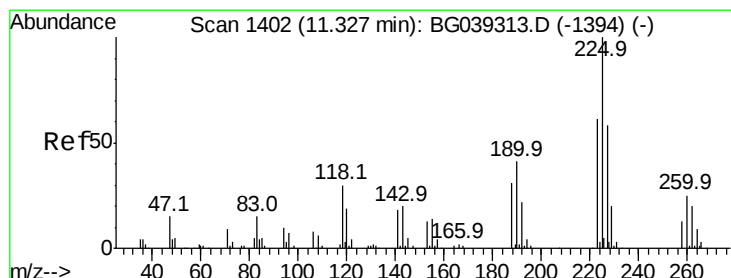
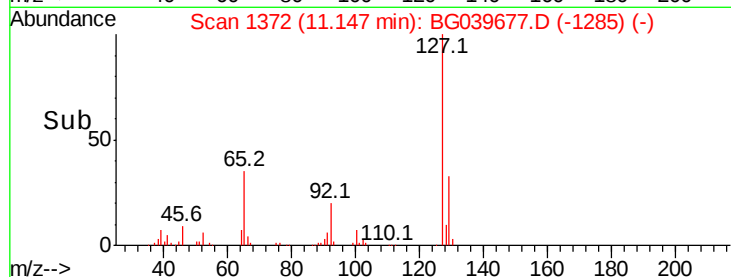
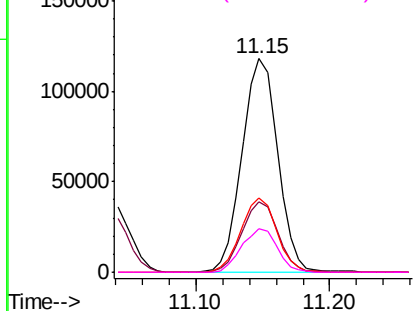
#33  
4-Chloroaniline  
Concen: 36.934 ng  
RT: 11.15 min Scan# 1372  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 218162 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.3  | 27.0  | 40.4   |
| 65       | 34.7  | 28.8  | 43.2   |
| 92       | 20.5  | 16.6  | 25.0   |

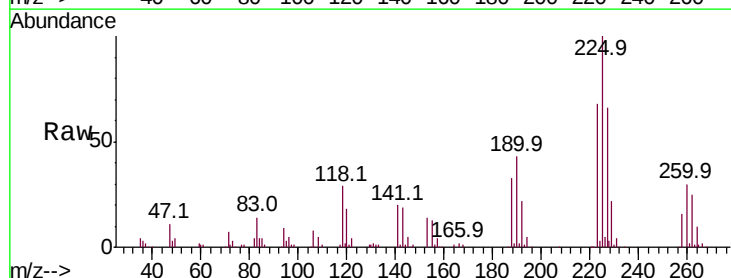


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

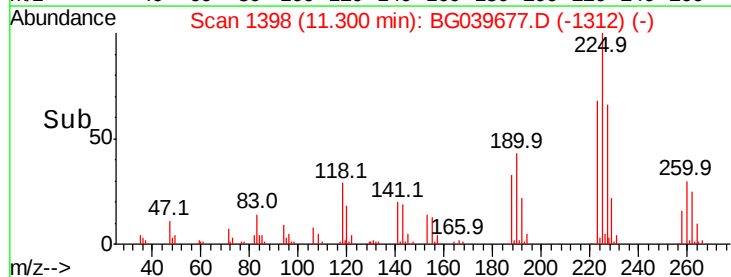
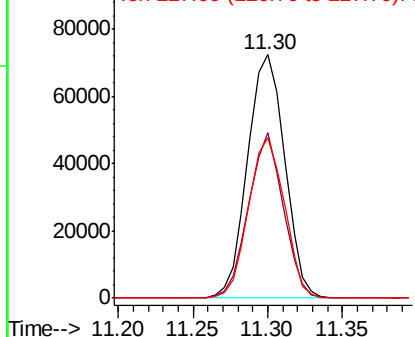


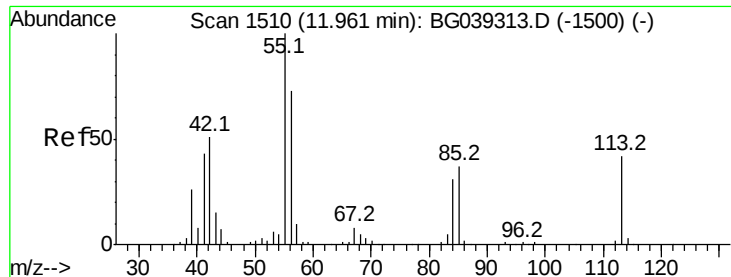
#34  
Hexachlorobutadiene  
Concen: 41.398 ng  
RT: 11.30 min Scan# 1398  
Delta R.T. -0.03 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 124477 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 68.0  | 49.0  | 73.6   |
| 227      | 65.6  | 46.3  | 69.5   |



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

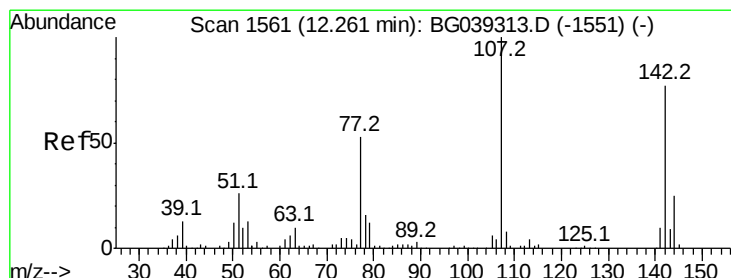
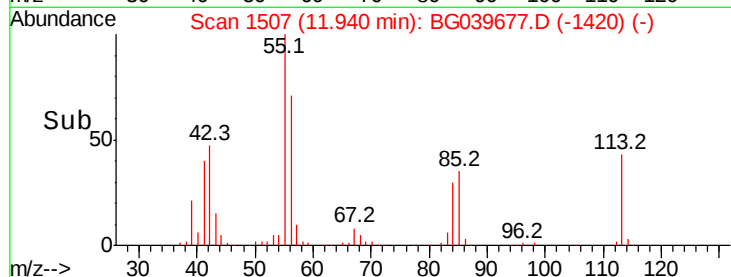
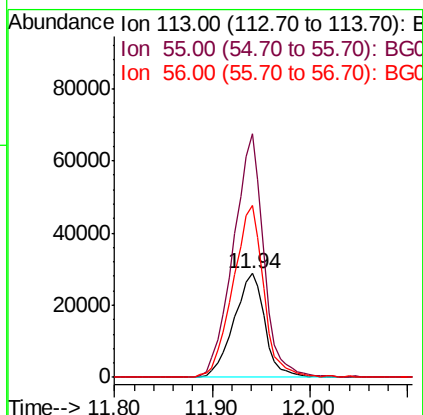
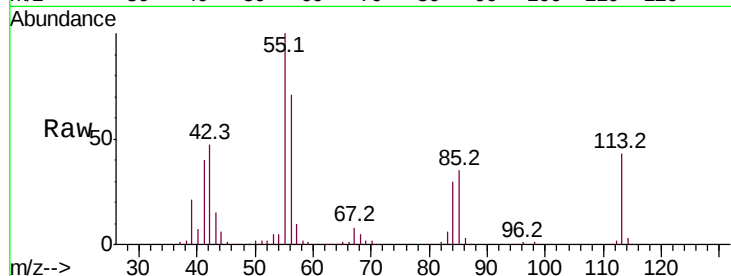




#35  
Caprolactam  
Concen: 38.333 ng  
RT: 11.94 min Scan# 1507  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

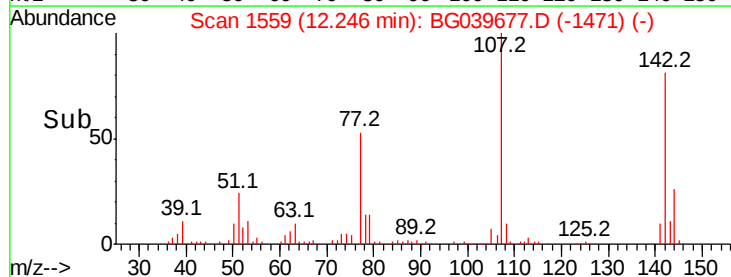
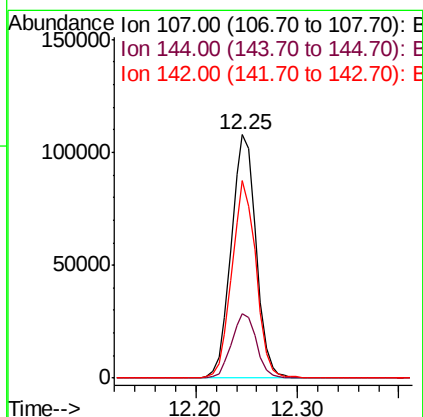
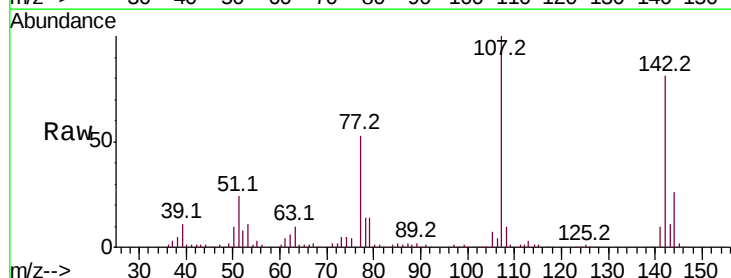
Instrument :  
BNA\_G  
ClientSampleId :

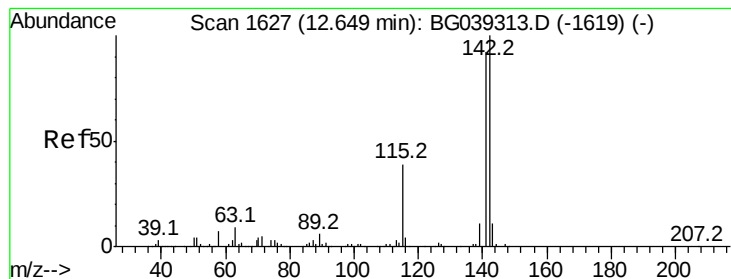
Tot Ion:113 Resp: 63881  
Ion Ratio Lower Upper  
113 100  
55 235.3 216.9 256.9  
56 166.8 152.6 192.6



#36  
4-Chloro-3-methylphenol  
Concen: 39.429 ng  
RT: 12.25 min Scan# 1559  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:107 Resp: 183638  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.2 30.2  
142 81.2 61.4 92.2





#37

2-Methylnaphthalene

Concen: 37.445 ng

RT: 12.63 min Scan# 1624

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

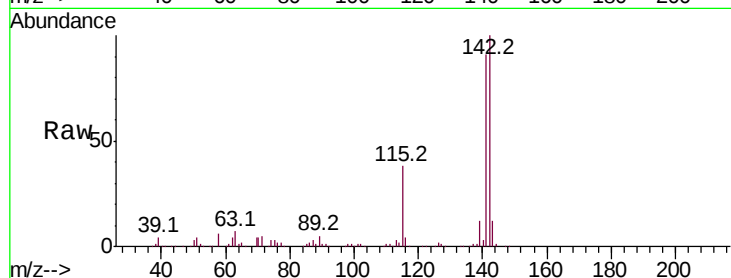
Tot Ion:142 Resp: 353308

Ion Ratio Lower Upper

142 100

141 90.8 73.5 110.3

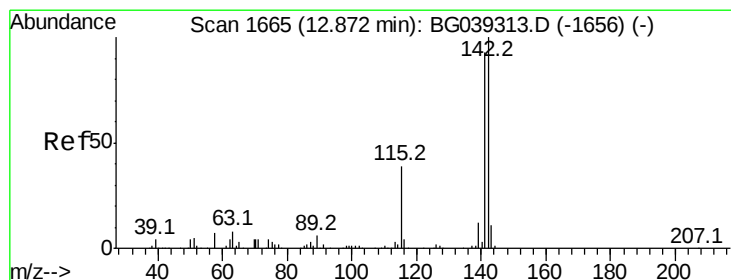
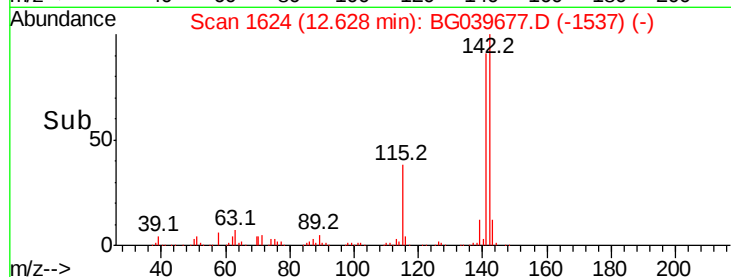
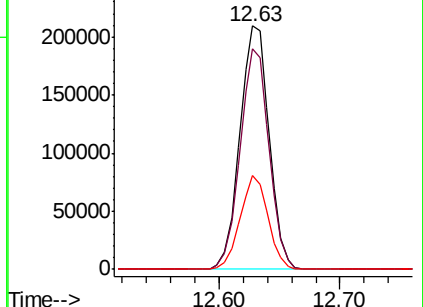
115 38.4 30.8 46.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 37.379 ng

RT: 12.85 min Scan# 1661

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

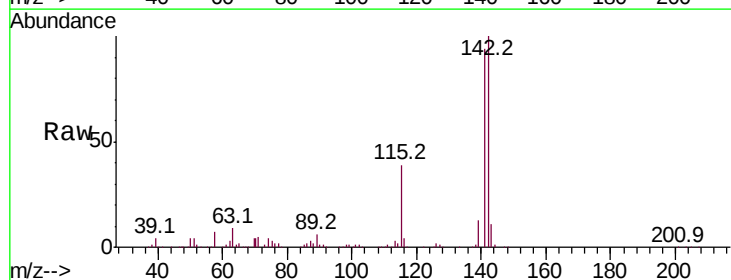
Tgt Ion:142 Resp: 339971

Ion Ratio Lower Upper

142 100

141 94.0 74.2 111.4

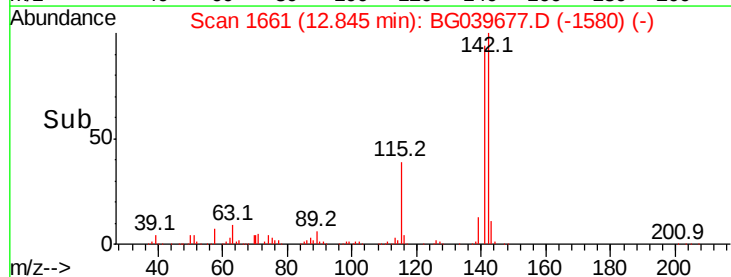
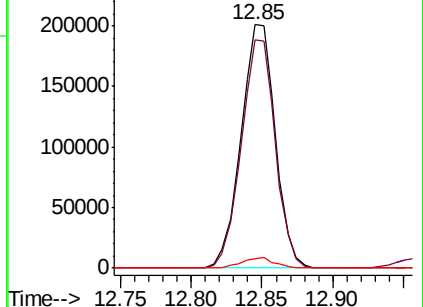
116 4.1 3.0 4.6

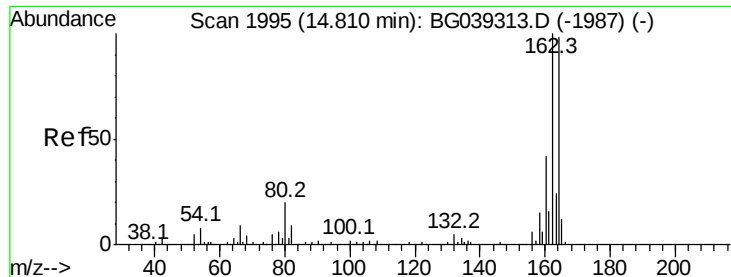


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampled :

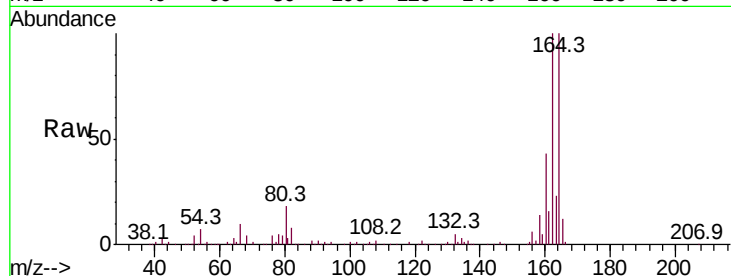
Tot Ion:164 Resp: 171171

Ion Ratio Lower Upper

164 100

162 100.4 81.6 122.4

160 43.2 34.2 51.2

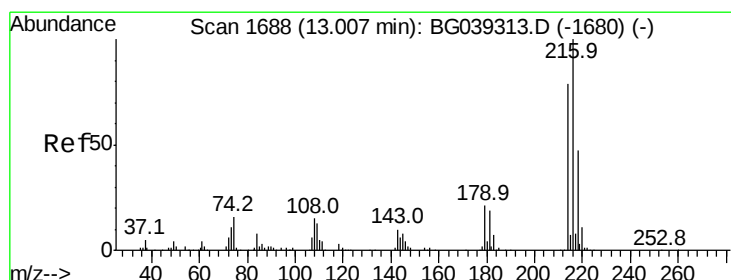
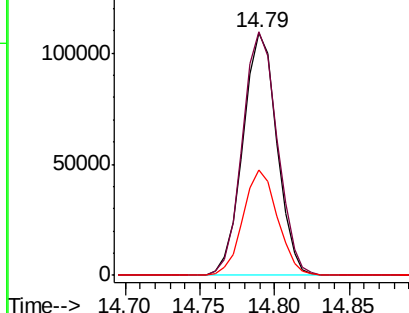
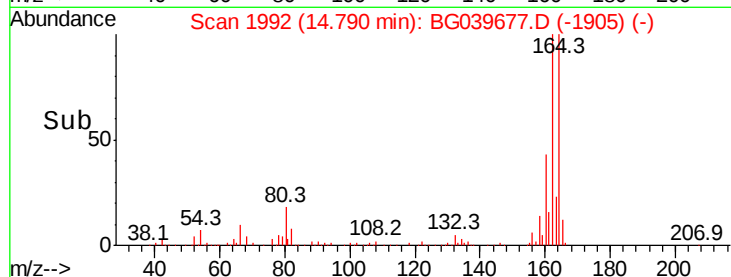


Abundance

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: 40.823 ng

RT: 12.99 min Scan# 1685

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Tgt Ion:216 Resp: 222328

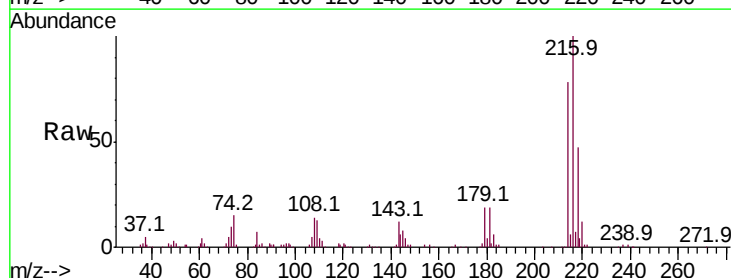
Ion Ratio Lower Upper

216 100

214 78.2 62.6 94.0

179 20.2 16.6 25.0

108 15.6 14.0 21.0



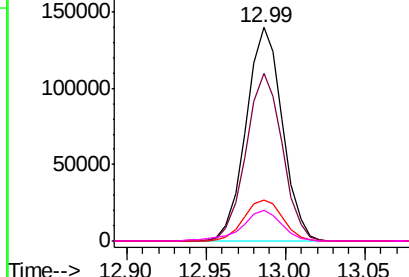
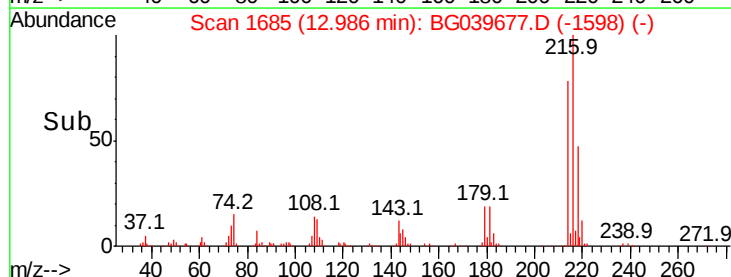
Abundance

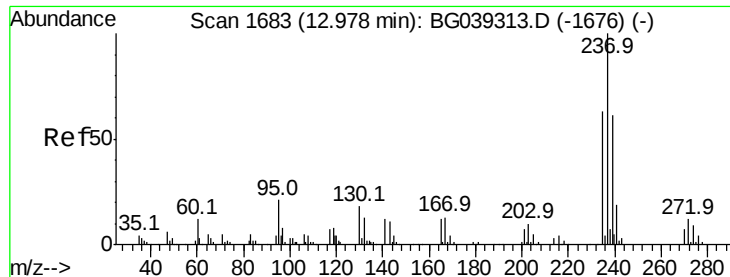
Ion 216.00 (215.70 to 216.70): E

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: 37.714 ng

RT: 12.96 min Scan# 1680

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

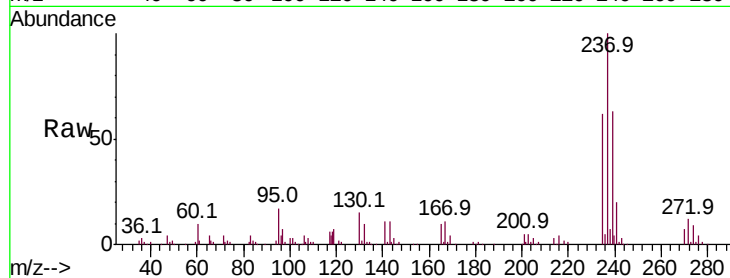
Tot Ion:237 Resp: 111924

Ion Ratio Lower Upper

237 100

235 62.5 43.3 83.3

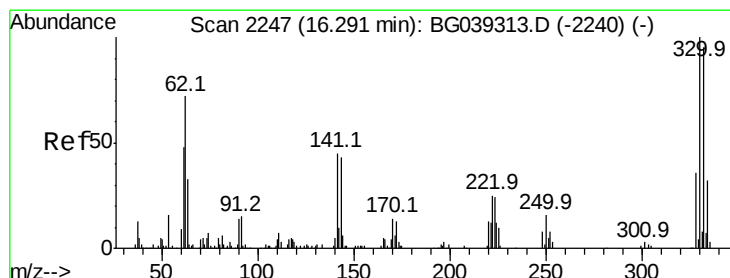
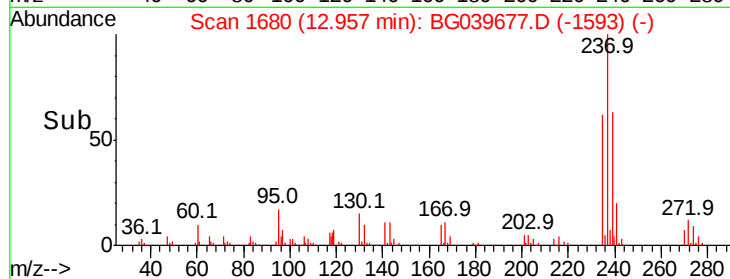
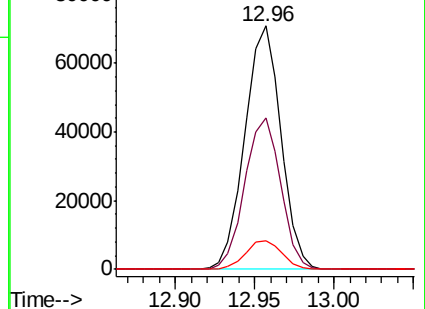
272 11.7 0.0 32.3



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: 85.531 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

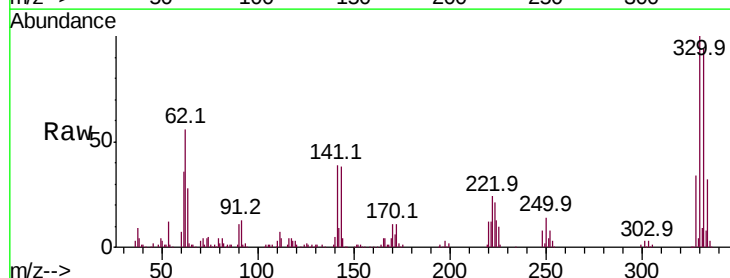
Tgt Ion:330 Resp: 157653

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

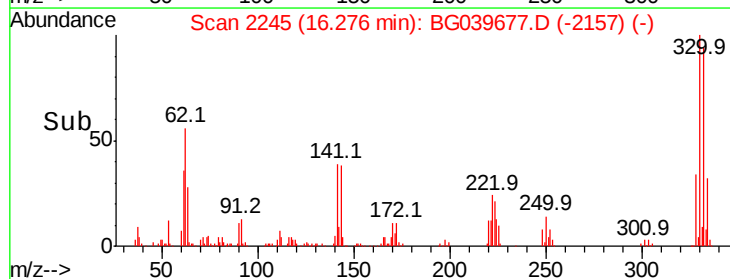
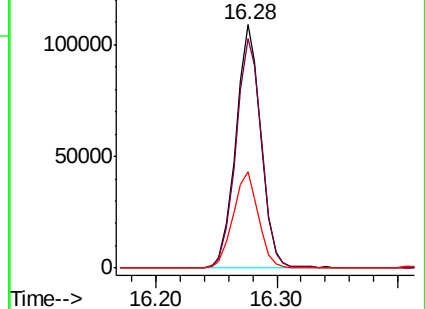
141 39.9 35.6 53.4

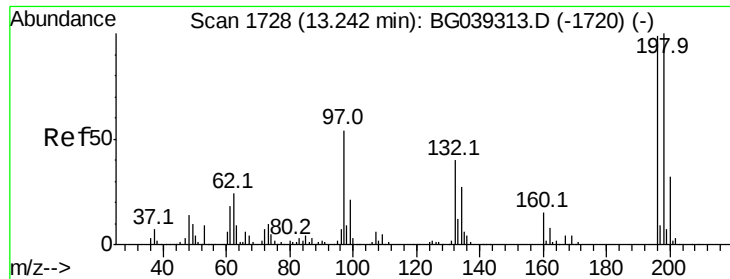


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

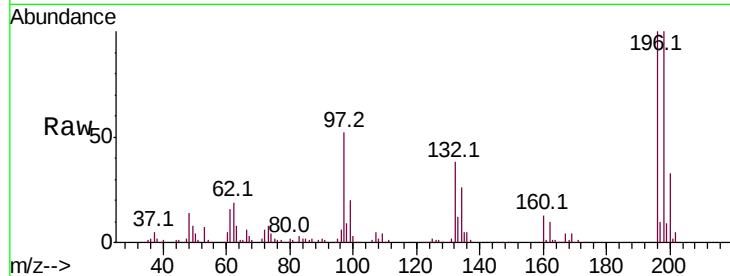




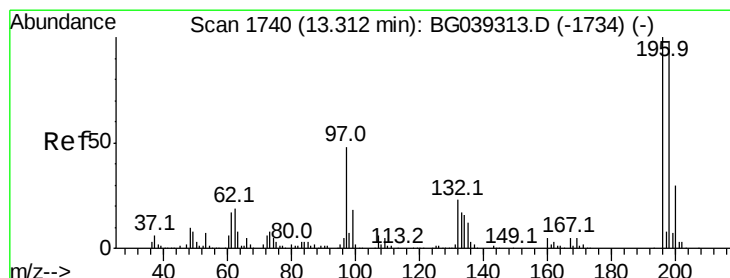
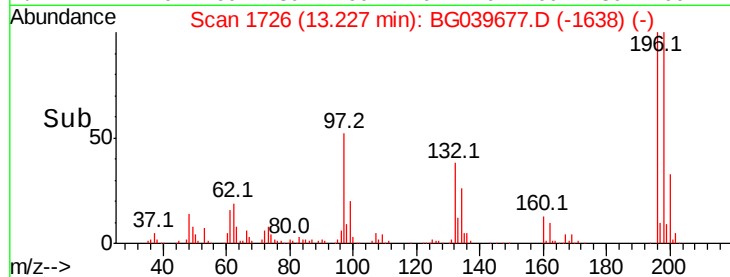
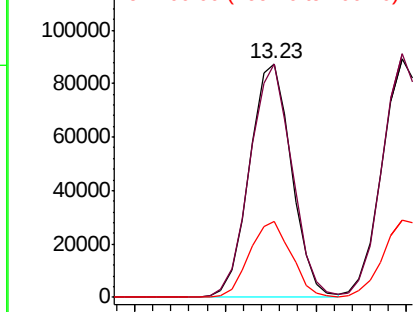
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.158 ng  
 RT: 13.23 min Scan# 1726  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 141169  
 Ion Ratio Lower Upper  
 196 100  
 198 99.7 80.6 121.0  
 200 32.6 26.1 39.1

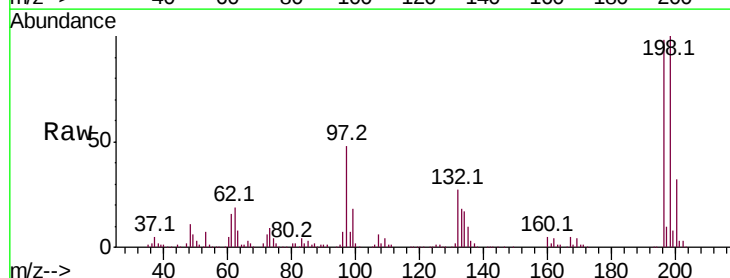


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

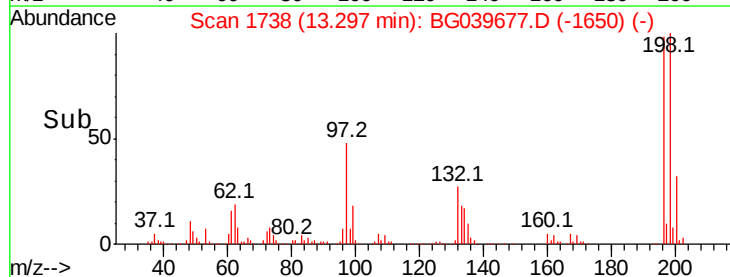
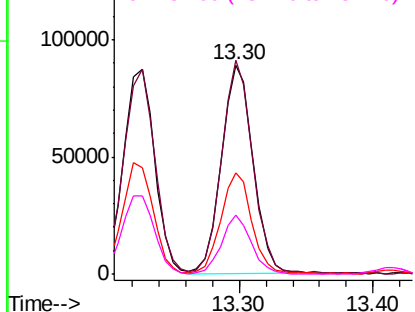


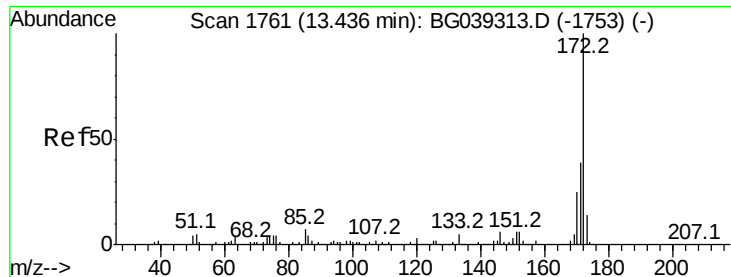
#44  
 2,4,5-Trichlorophenol  
 Concen: 42.219 ng  
 RT: 13.30 min Scan# 1738  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Tgt Ion:196 Resp: 148171  
 Ion Ratio Lower Upper  
 196 100  
 198 102.3 78.5 117.7  
 97 48.6 38.4 57.6  
 132 28.1 19.2 28.8



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

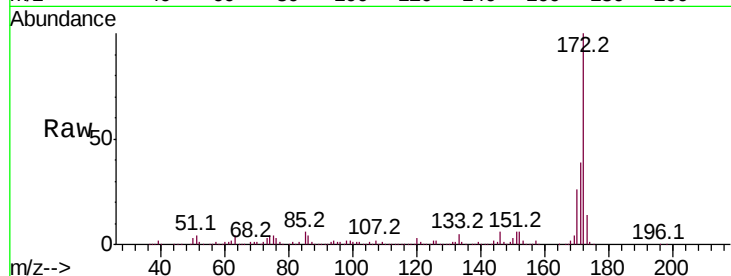




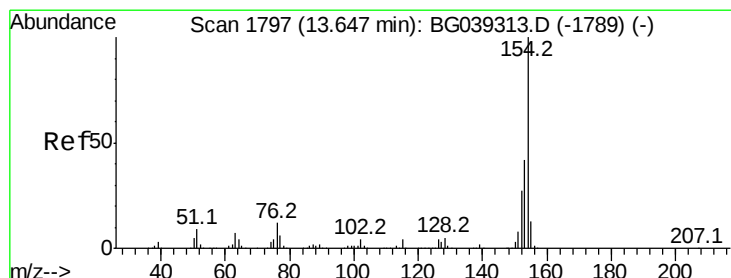
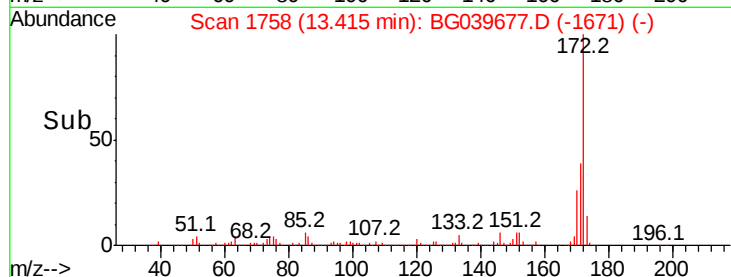
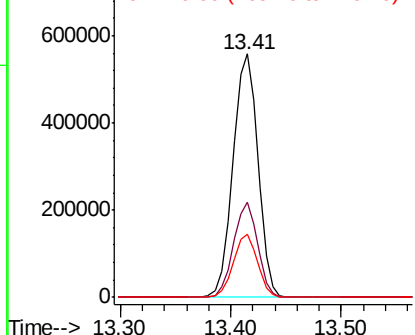
#45  
2-Fluorobiphenyl  
Concen: 74.264 ng  
RT: 13.41 min Scan# 1758  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:172 Resp: 886117  
Ion Ratio Lower Upper  
172 100  
171 39.1 30.8 46.2  
170 25.9 20.2 30.4

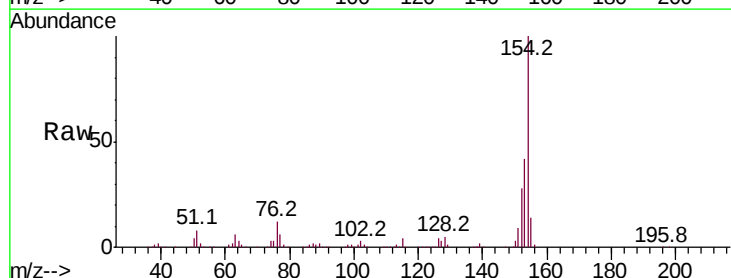


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

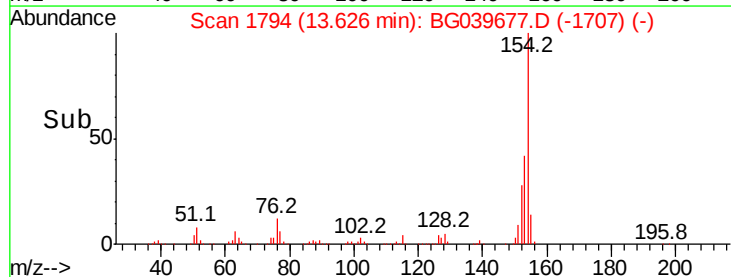
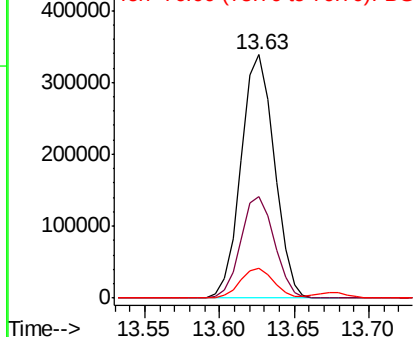


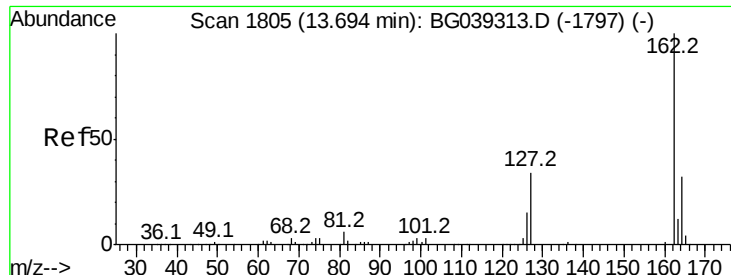
#46  
1,1'-Biphenyl  
Concen: 36.771 ng  
RT: 13.63 min Scan# 1794  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:154 Resp: 523692  
Ion Ratio Lower Upper  
154 100  
153 41.8 22.1 62.1  
76 12.5 0.0 32.4



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): BG

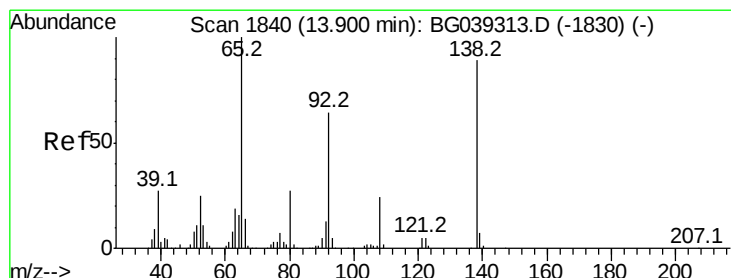
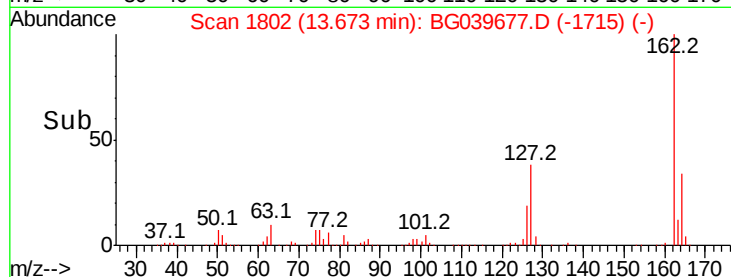
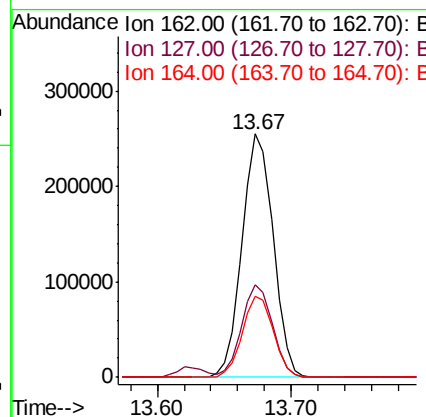
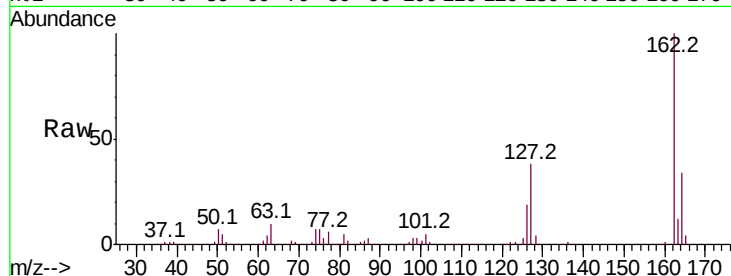




#47  
 2-Chloronaphthalene  
 Concen: 38.437 ng  
 RT: 13.67 min Scan# 1802  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

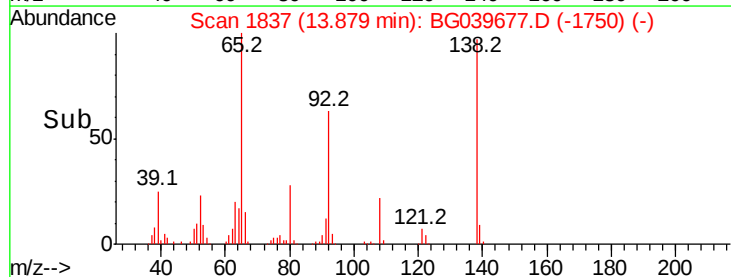
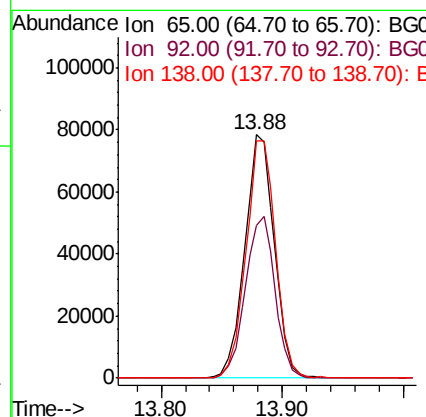
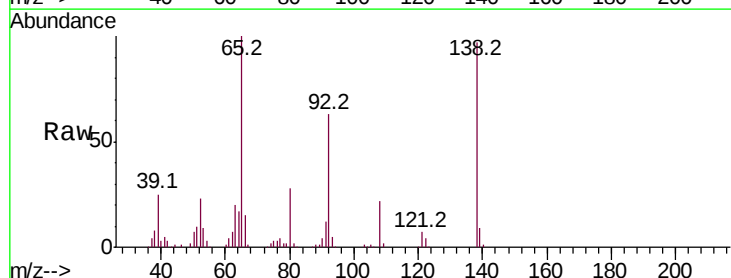
Instrument :  
 BNA\_G  
 ClientSampleId :

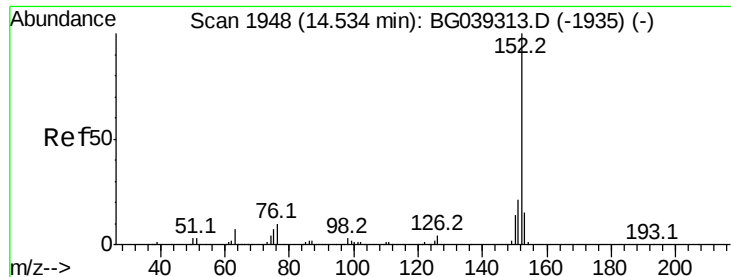
Tot Ion:162 Resp: 411810  
 Ion Ratio Lower Upper  
 162 100  
 127 38.1 31.0 46.6  
 164 33.5 25.7 38.5



#48  
 2-Nitroaniline  
 Concen: 44.119 ng  
 RT: 13.88 min Scan# 1837  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Tgt Ion: 65 Resp: 133289  
 Ion Ratio Lower Upper  
 65 100  
 92 63.0 51.4 77.2  
 138 97.4 71.4 107.2





#49

Acenaphthylene

Concen: 37.561 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampled :

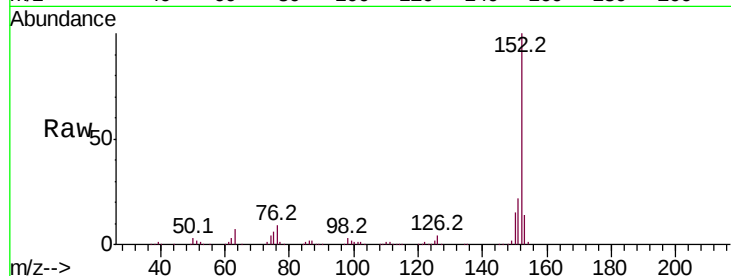
Tot Ion:152 Resp: 607218

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

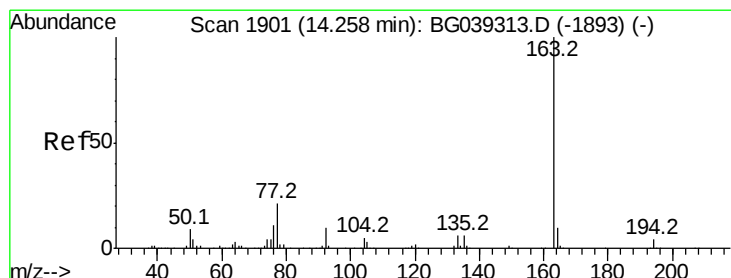
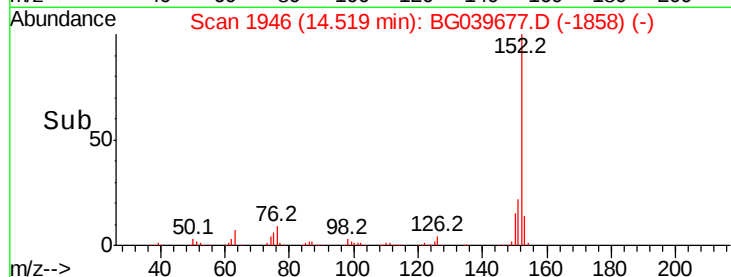
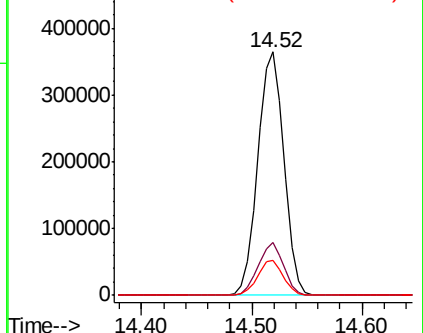
153 14.5 11.7 17.5



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: 36.744 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

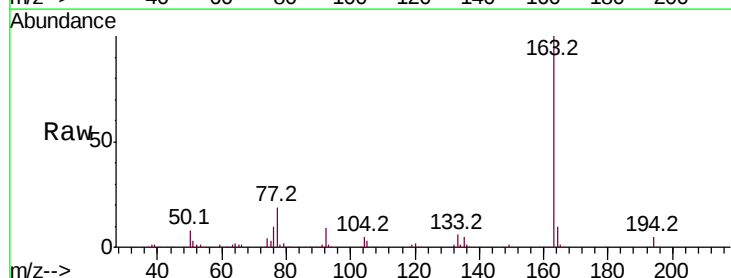
Tgt Ion:163 Resp: 507966

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

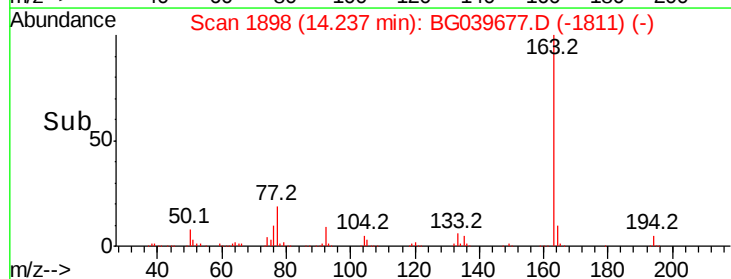
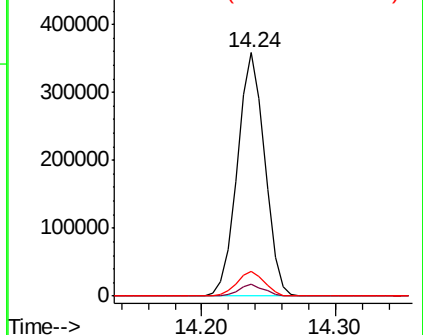
164 10.4 8.4 12.6

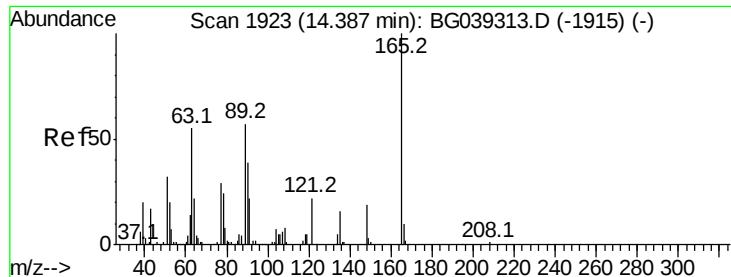


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 45.517 ng

RT: 14.37 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

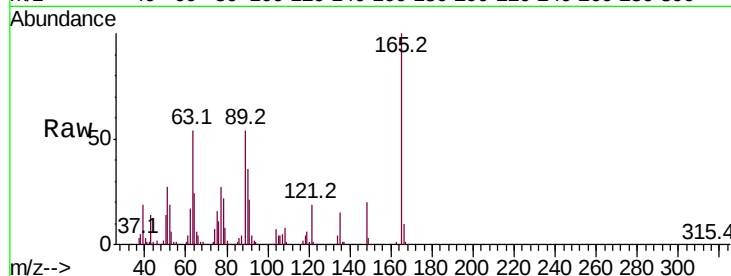
Tot Ion:165 Resp: 116588

Ion Ratio Lower Upper

165 100

63 53.8 47.0 70.6

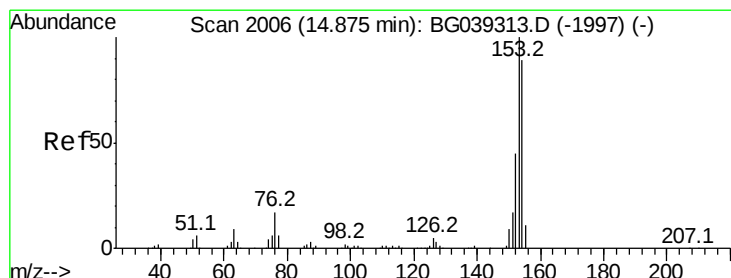
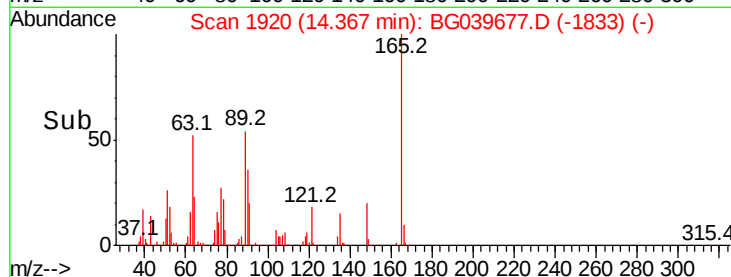
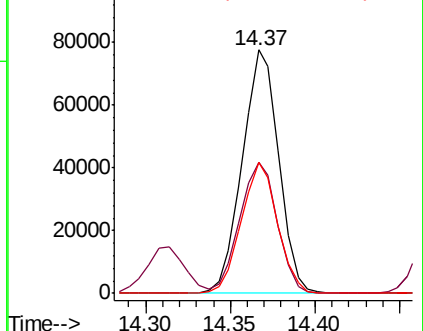
89 53.9 45.8 68.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 36.436 ng

RT: 14.85 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

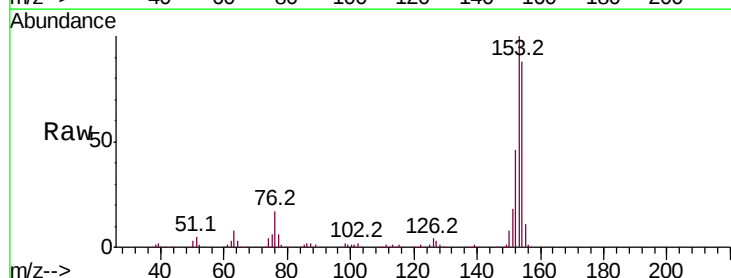
Tgt Ion:154 Resp: 382359

Ion Ratio Lower Upper

154 100

153 113.4 90.1 135.1

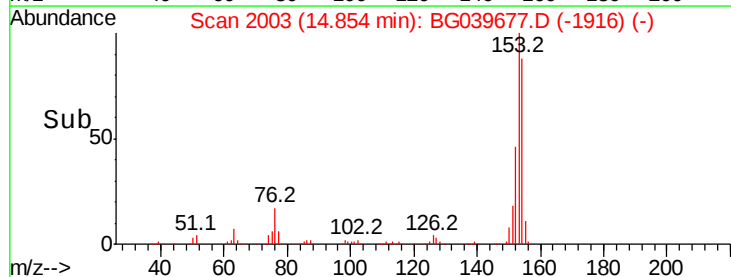
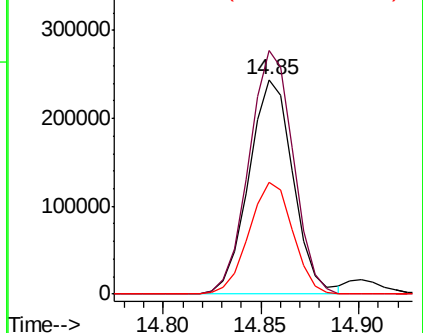
152 52.2 40.9 61.3

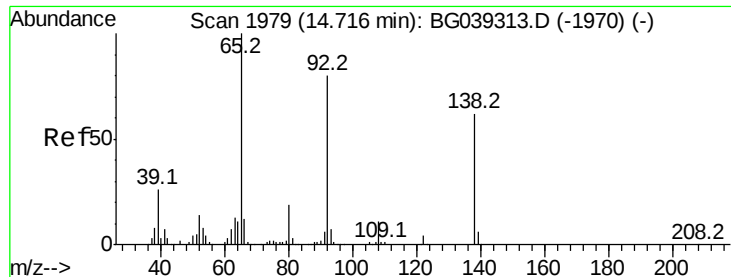


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

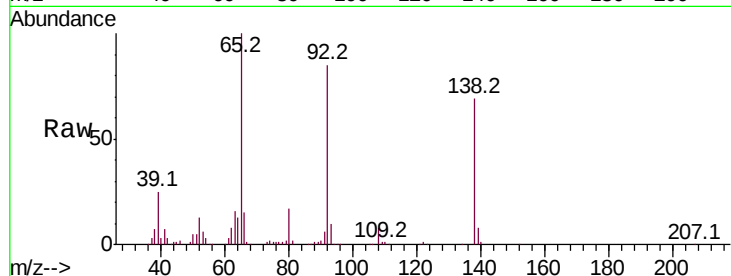




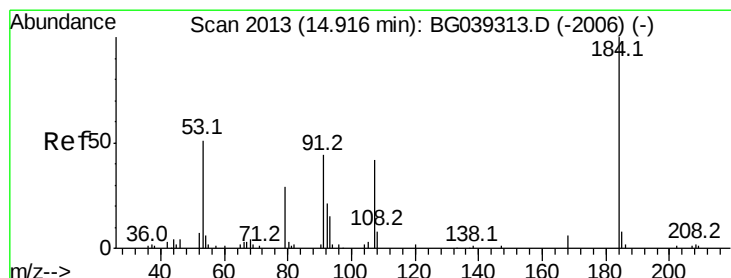
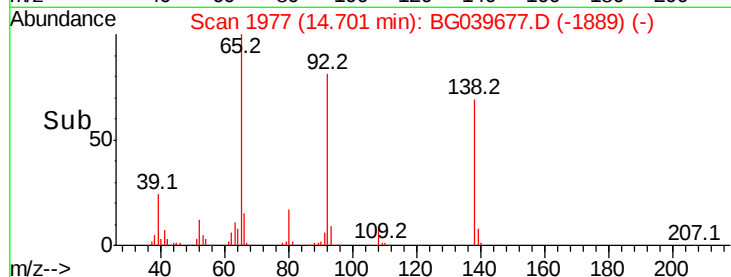
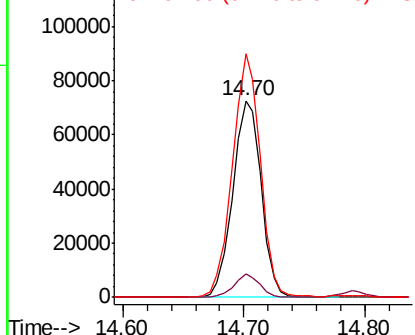
#53  
3-Nitroaniline  
Concen: 43.287 ng  
RT: 14.70 min Scan# 1977  
Delta R.T. -0.01 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 118875  
Ion Ratio Lower Upper  
138 100  
108 11.7 13.8 20.8#  
92 124.0 103.7 155.5

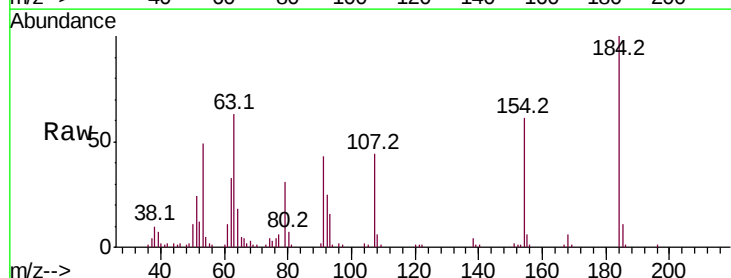


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGC

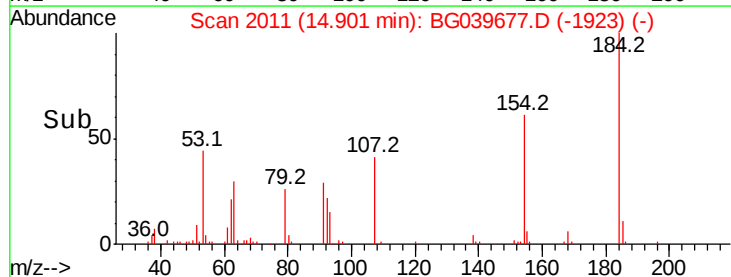
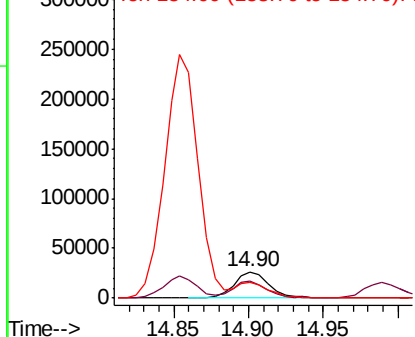


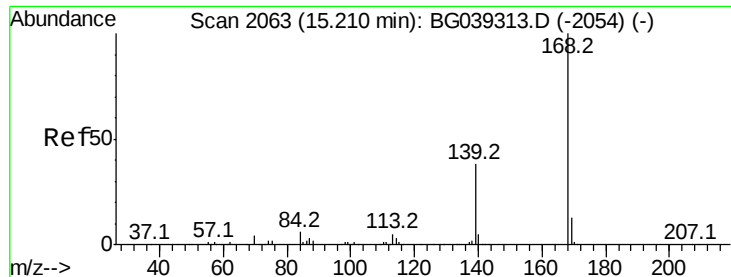
#54  
2,4-Dinitrophenol  
Concen: 47.235 ng  
RT: 14.90 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:184 Resp: 42945  
Ion Ratio Lower Upper  
184 100  
63 63.4 50.9 76.3  
154 60.8 53.0 79.6



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

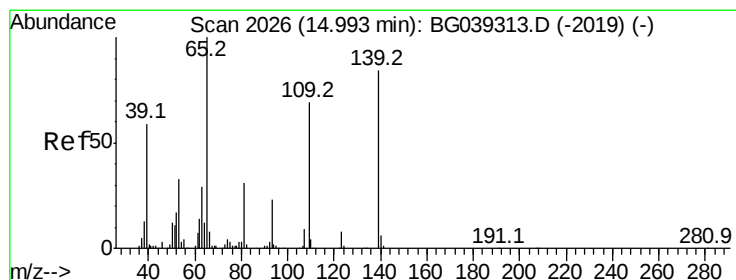
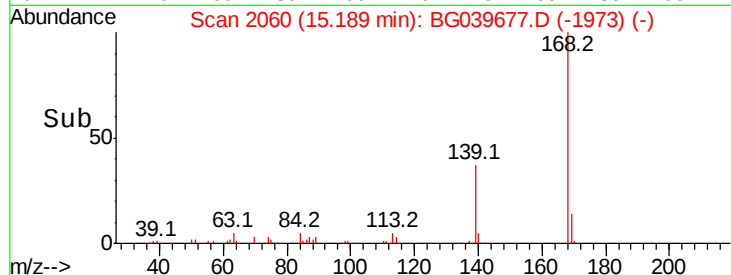
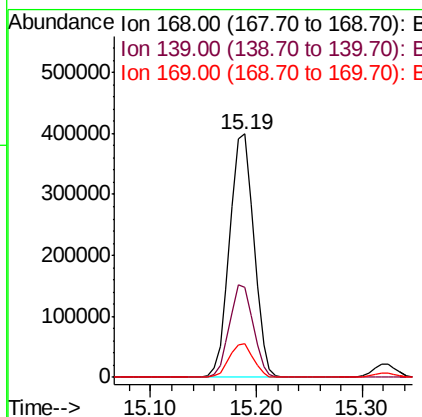
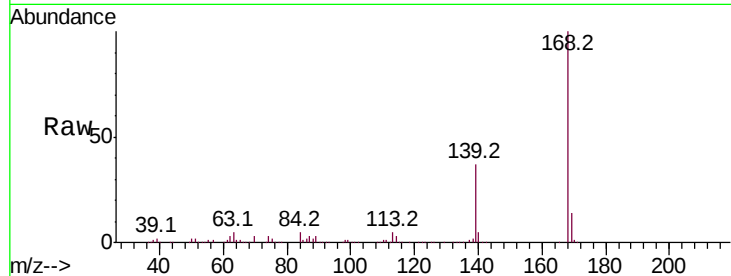




#55  
Dibenzofuran  
Concen: 37.427 ng  
RT: 15.19 min Scan# 2060  
Delta R.T. -0.02 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

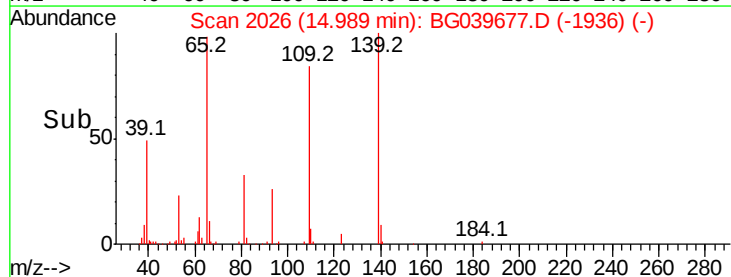
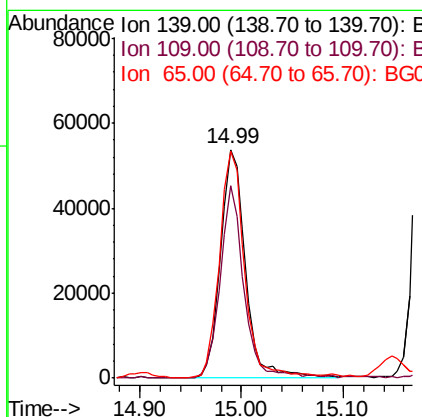
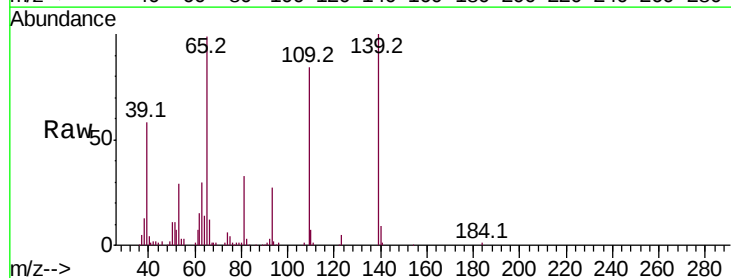
Instrument :  
BNA\_G  
ClientSampled :

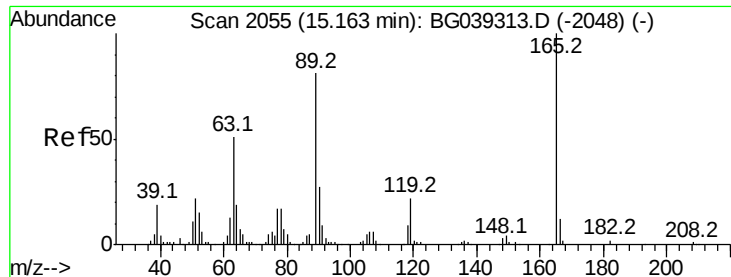
Tot Ion:168 Resp: 629712  
Ion Ratio Lower Upper  
168 100  
139 36.8 30.1 45.1  
169 13.6 10.6 16.0



#56  
4-Nitrophenol  
Concen: 39.970 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:139 Resp: 92096  
Ion Ratio Lower Upper  
139 100  
109 84.2 61.9 101.9  
65 99.1 99.1 139.1#

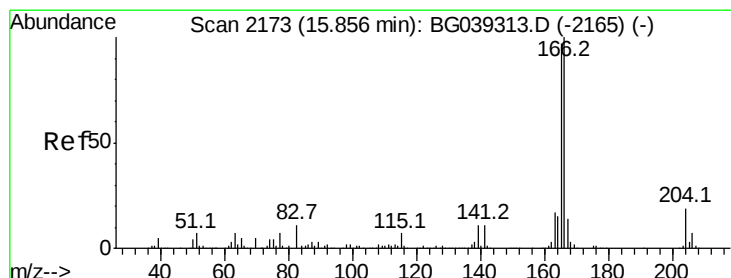
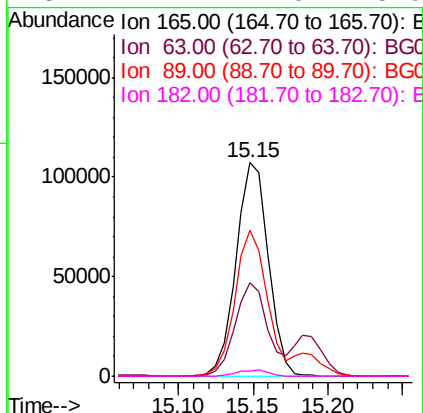
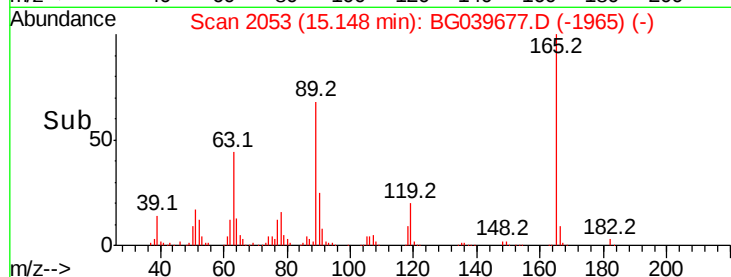
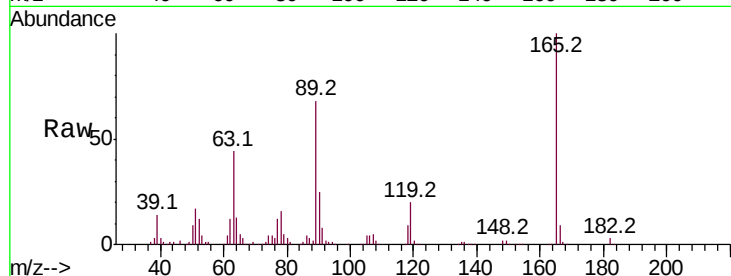




#57  
 2,4-Dinitrotoluene  
 Concen: 48.685 ng  
 RT: 15.15 min Scan# 2053  
 Delta R.T. -0.01 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

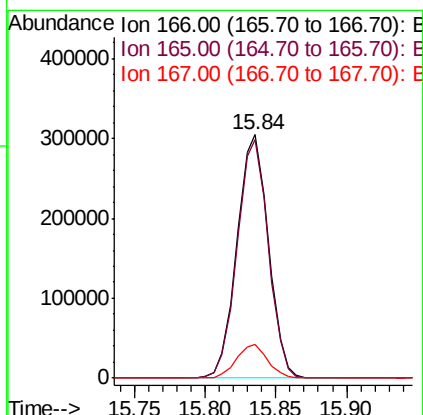
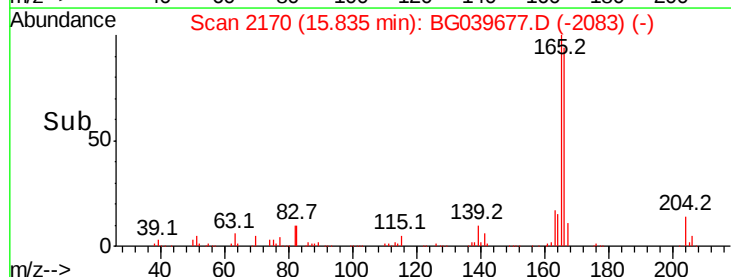
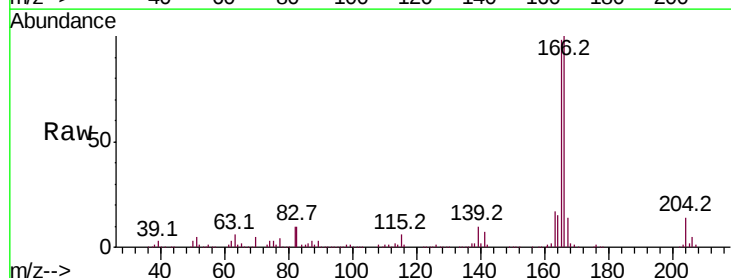
Instrument :  
 BNA\_G  
 ClientSampleId :

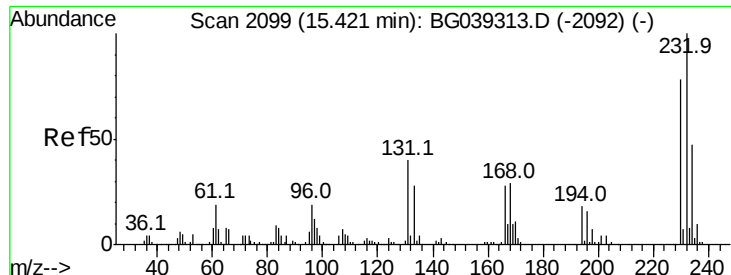
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 44.0  | 41.0  | 61.6  |
| 89      | 68.5  | 64.6  | 96.8  |
| 182     | 2.7   | 2.0   | 3.0   |



#58  
 Fluorene  
 Concen: 37.454 ng  
 RT: 15.84 min Scan# 2170  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.2  | 77.9  | 116.9 |
| 167     | 13.8  | 10.8  | 16.2  |

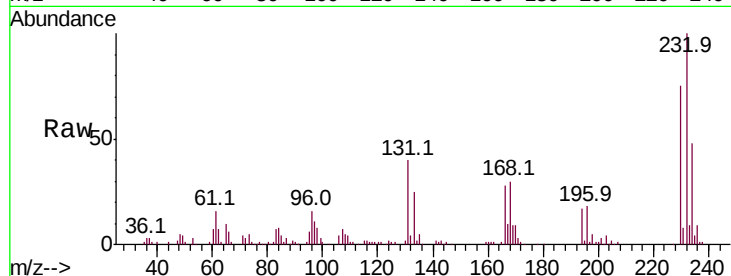




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.979 ng  
 RT: 15.41 min Scan# 2097  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 41.0  | 34.9  | 52.3  |
| 130     | 2.4   | 2.0   | 3.0   |
| 166     | 30.1  | 24.1  | 36.1  |



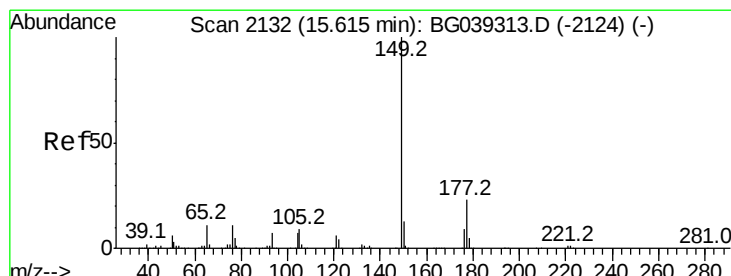
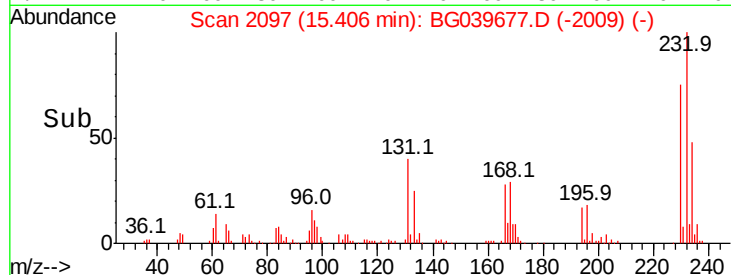
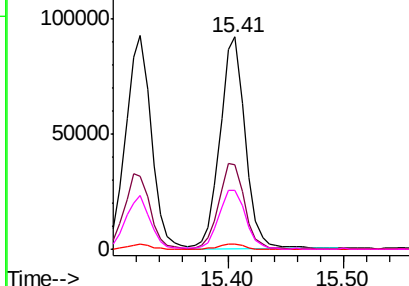
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

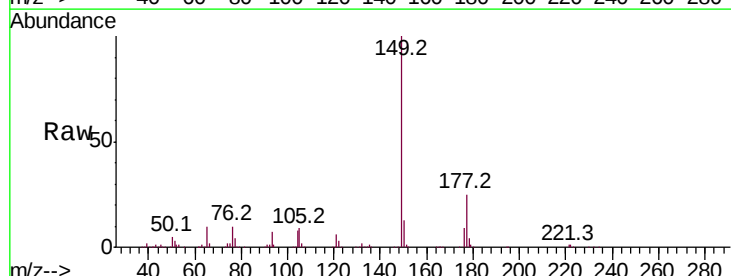
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 35.785 ng  
 RT: 15.59 min Scan# 2128  
 Delta R.T. -0.03 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.9  | 18.3  | 27.5  |
| 150     | 13.0  | 10.2  | 15.2  |

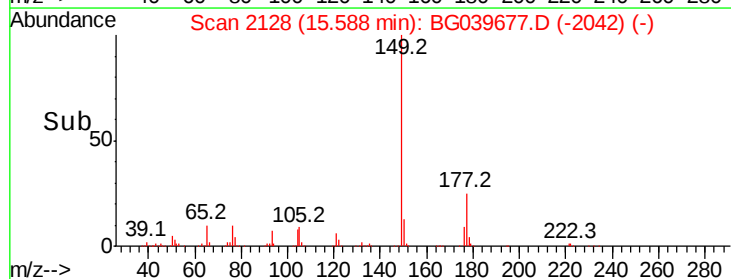
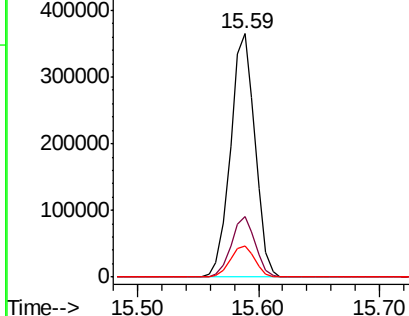


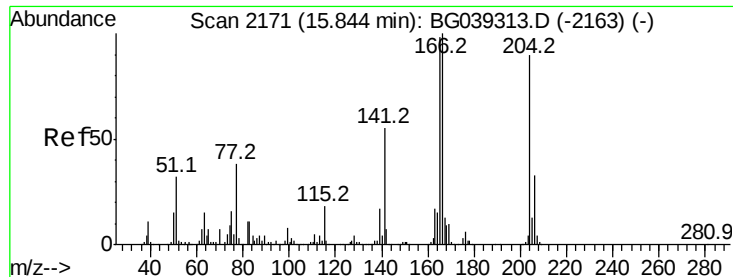
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

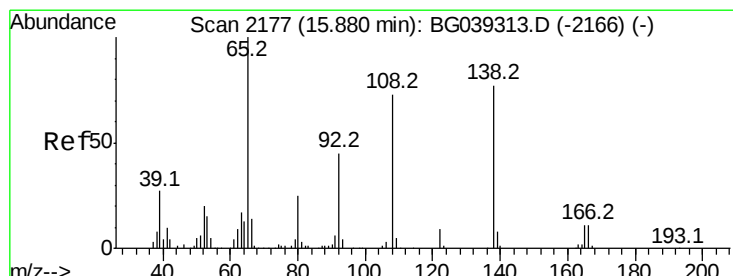
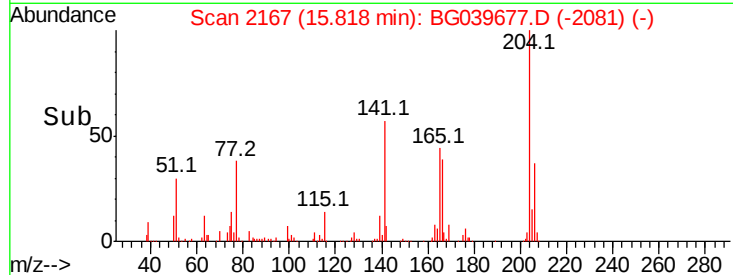
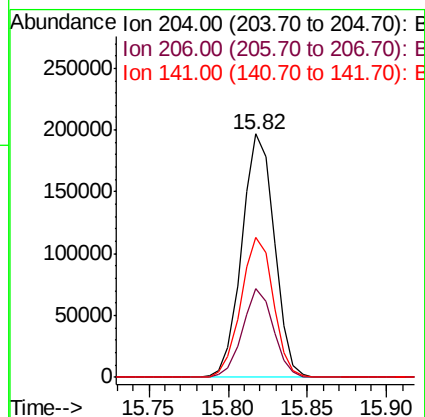
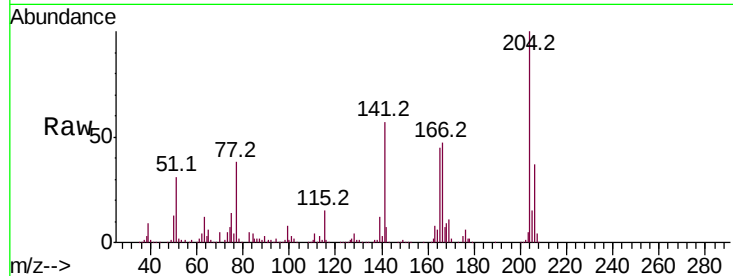




#61  
 4-Chlorophenyl-phenylether  
 Concen: 39.405 ng  
 RT: 15.82 min Scan# 2167  
 Delta R.T. -0.03 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

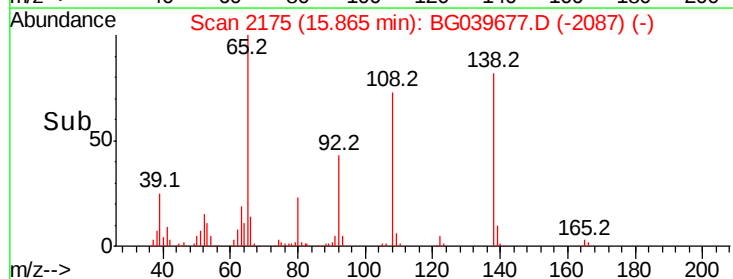
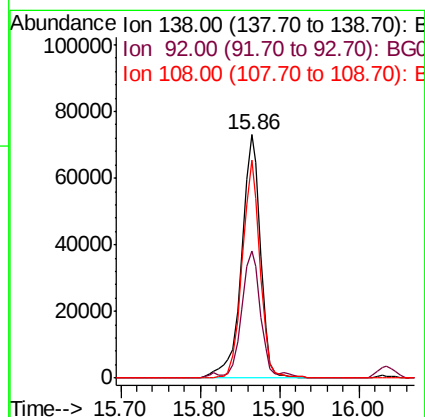
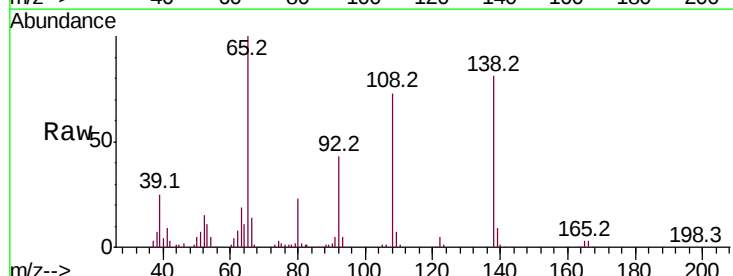
Instrument :  
 BNA\_G  
 ClientSampleId :

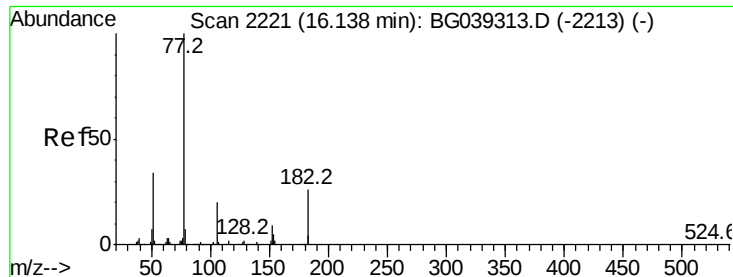
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 204   | Resp: | 279855 |
| Ion      | Ratio | Lower | Upper  |
| 204      | 100   |       |        |
| 206      | 36.6  | 29.2  | 43.8   |
| 141      | 57.4  | 49.0  | 73.4   |



#62  
 4-Nitroaniline  
 Concen: 42.106 ng  
 RT: 15.86 min Scan# 2175  
 Delta R.T. -0.01 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 138   | Resp: | 120424 |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 52.5  | 38.7  | 78.7   |
| 108      | 89.6  | 74.6  | 114.6  |





#63

Azobenzene

Concen: 33.829 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampled :

Tot Ion: 77 Resp: 472604

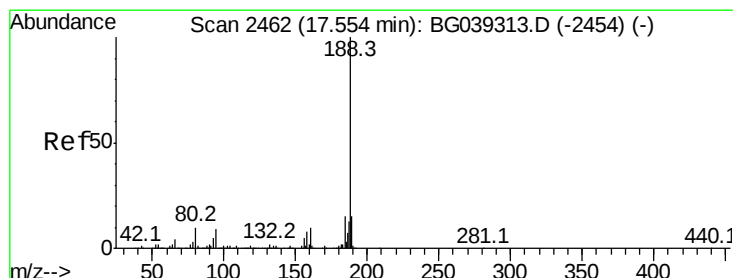
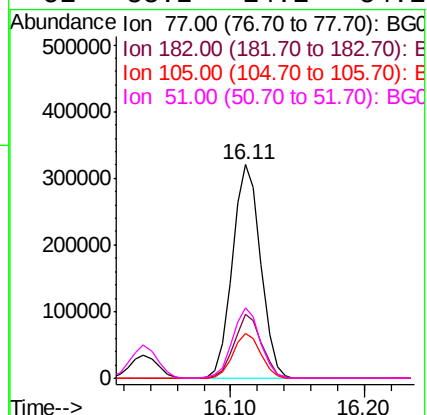
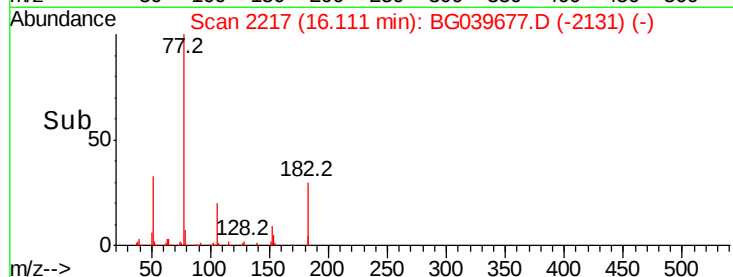
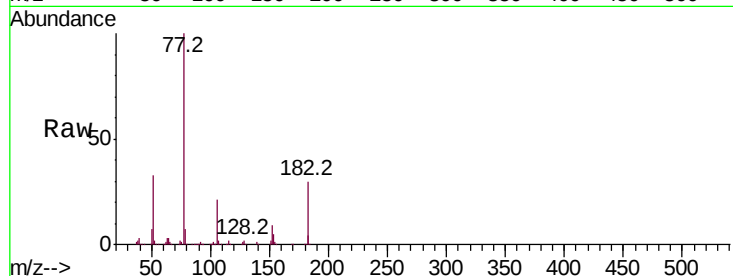
Ion Ratio Lower Upper

77 100

182 29.9 6.4 46.4

105 21.0 0.0 39.8

51 33.2 14.1 54.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

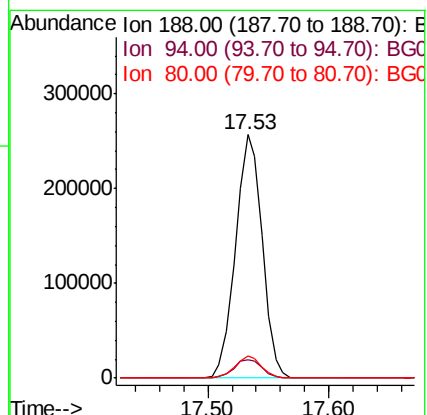
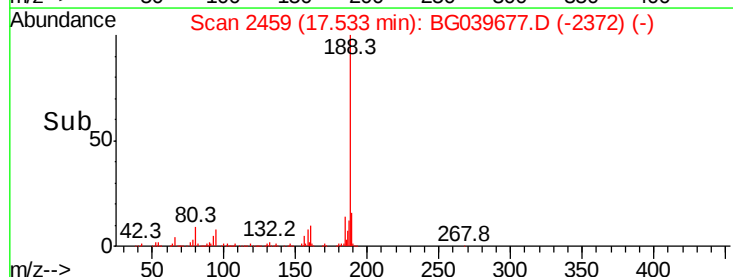
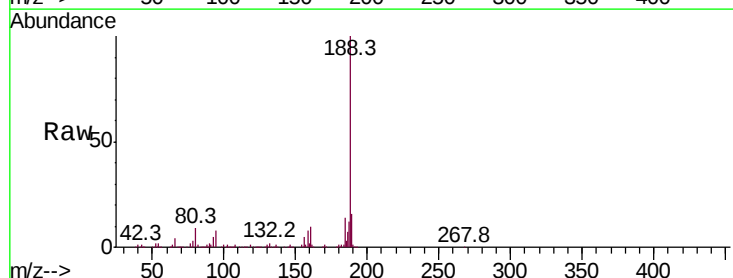
Tgt Ion: 188 Resp: 395065

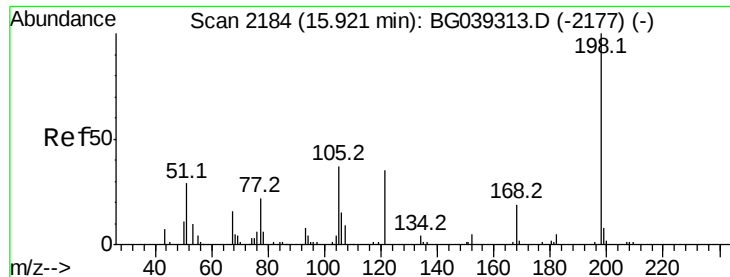
Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

80 8.9 8.1 12.1





#65

4,6-Dinitro-2-methylphenol

Concen: 54.654 ng

RT: 15.91 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

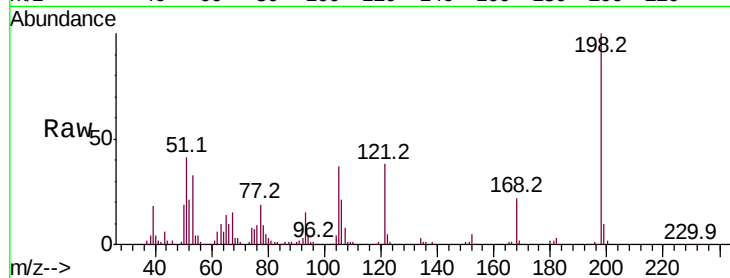
Tot Ion:198 Resp: 89799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 41.3  | 27.4  | 67.4  |
| 105 | 36.9  | 19.7  | 59.7  |

198 100

51 41.3 27.4 67.4

105 36.9 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

80000

60000

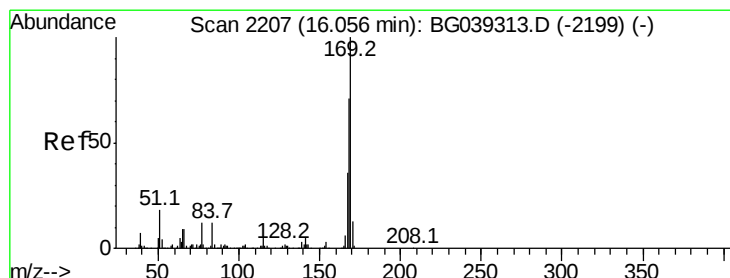
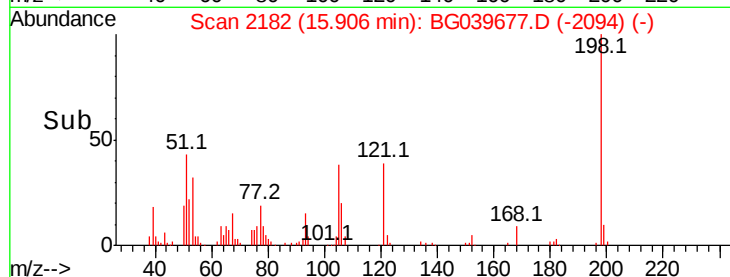
40000

20000

0

15.85 15.90 15.95

Time-->



#66

n-Nitrosodiphenylamine

Concen: 37.794 ng

RT: 16.03 min Scan# 2204

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

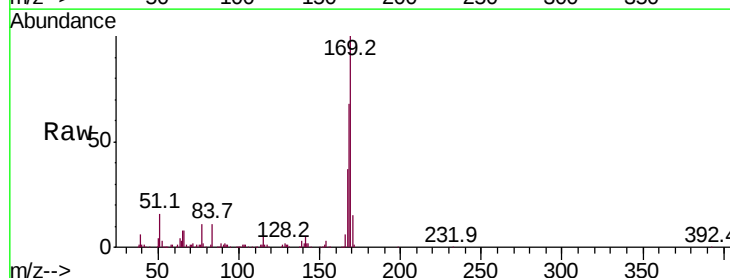
Tgt Ion:169 Resp: 453998

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 67.9  | 56.6  | 85.0  |
| 167 | 36.7  | 28.8  | 43.2  |

169 100

168 67.9 56.6 85.0

167 36.7 28.8 43.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

400000

300000

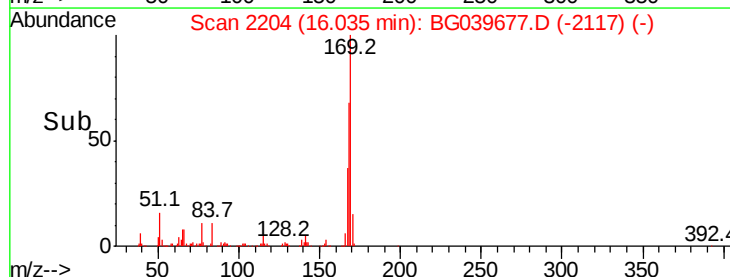
200000

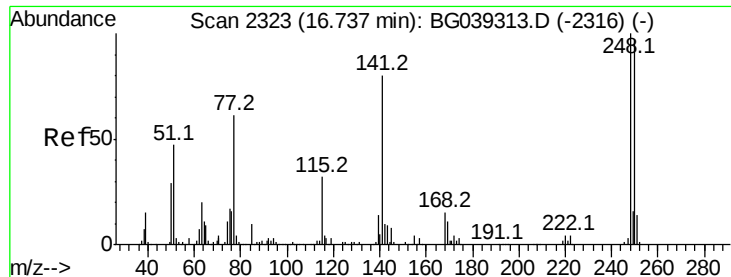
100000

0

16.00 16.10

Time-->

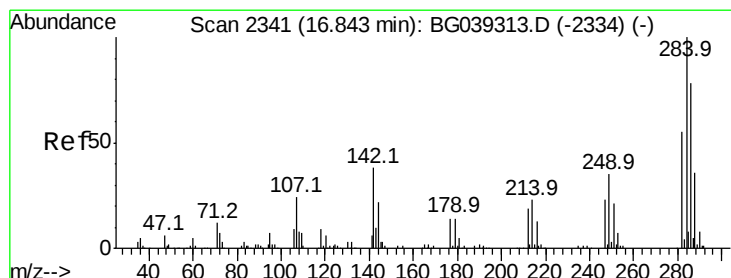
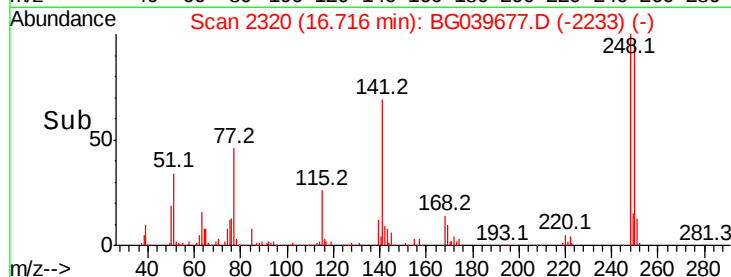
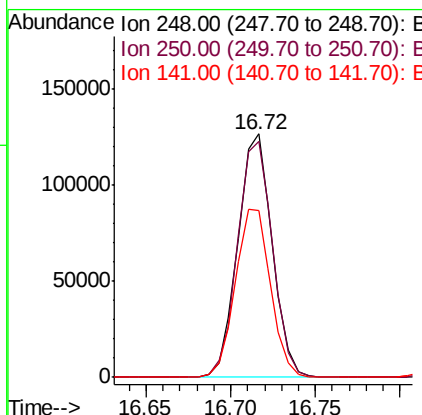
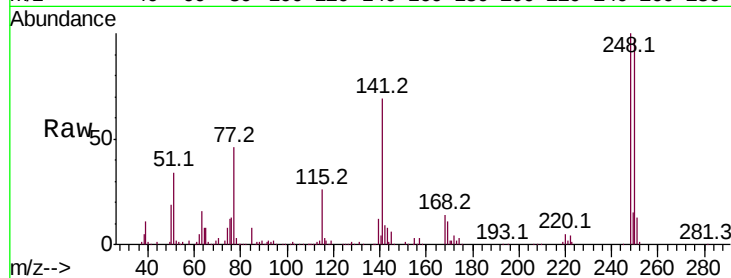




#67  
 4-Bromophenyl-phenylether  
 Concen: 40.877 ng  
 RT: 16.72 min Scan# 2320  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

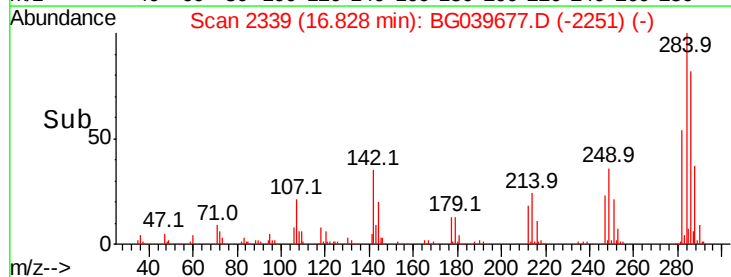
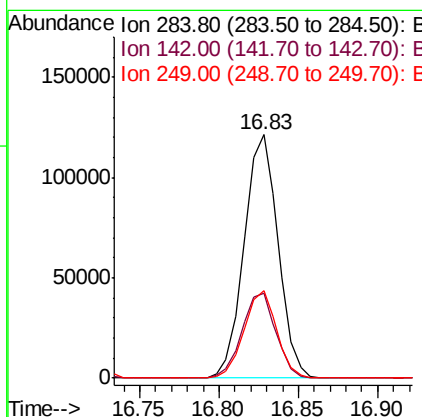
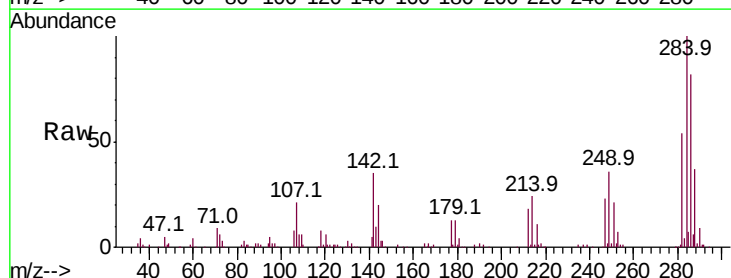
Instrument :  
 BNA\_G  
 ClientSampleId :

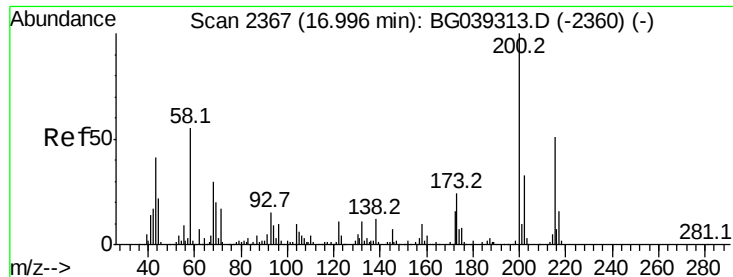
Tot Ion:248 Resp: 179158  
 Ion Ratio Lower Upper  
 248 100  
 250 96.8 77.6 116.4  
 141 68.7 63.9 95.9



#68  
 Hexachlorobenzene  
 Concen: 40.957 ng  
 RT: 16.83 min Scan# 2339  
 Delta R.T. -0.02 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Tgt Ion:284 Resp: 180101  
 Ion Ratio Lower Upper  
 284 100  
 142 35.1 30.6 45.8  
 249 35.8 28.2 42.2





#69

Atrazine

Concen: 32.176 ng

RT: 16.97 min Scan# 2364

Delta R.T. -0.02 min

Lab File: BG039677.D

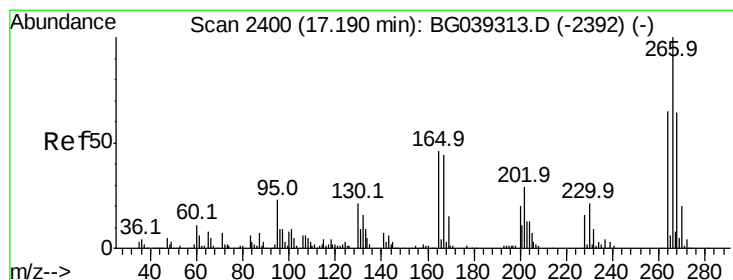
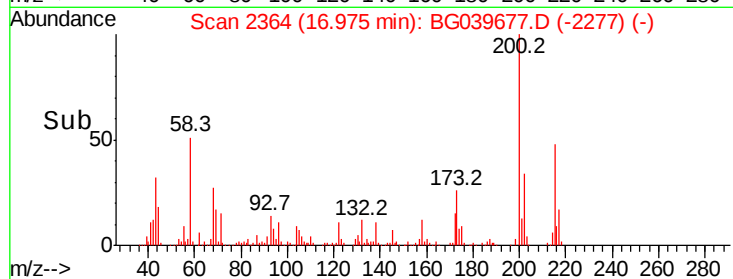
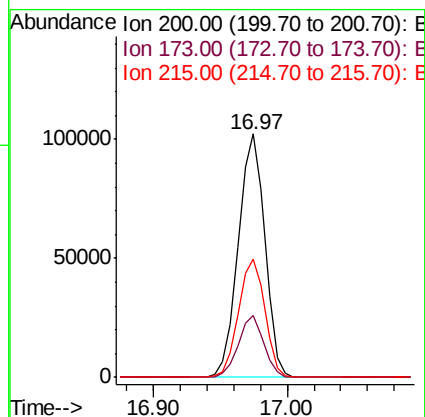
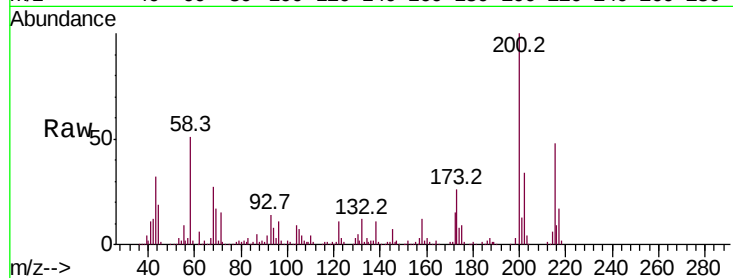
Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 141247 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 25.6  | 3.9   | 43.9   |
| 215       | 48.3  | 30.9  | 70.9   |



#70

Pentachlorophenol

Concen: 38.266 ng

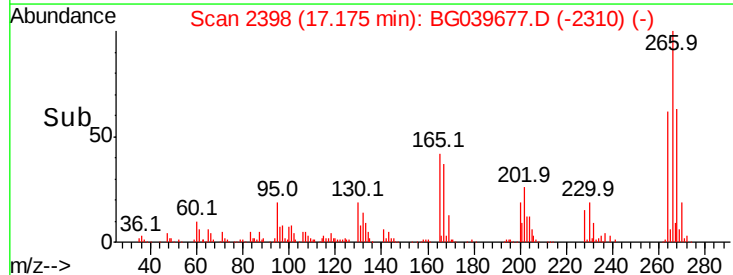
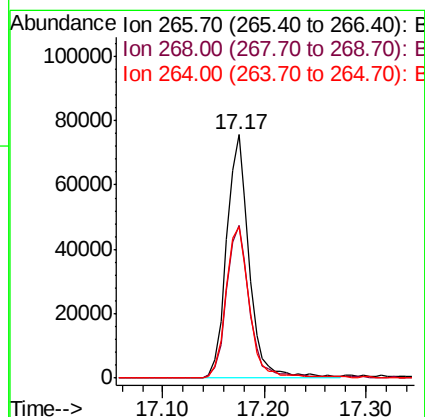
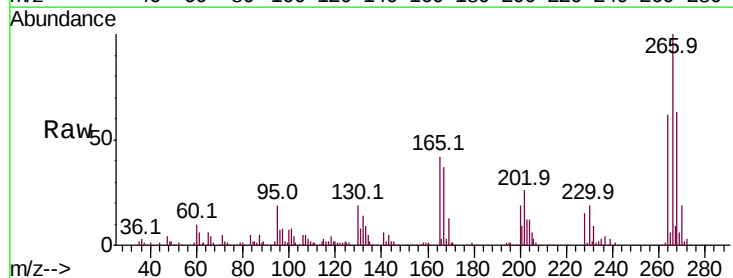
RT: 17.17 min Scan# 2398

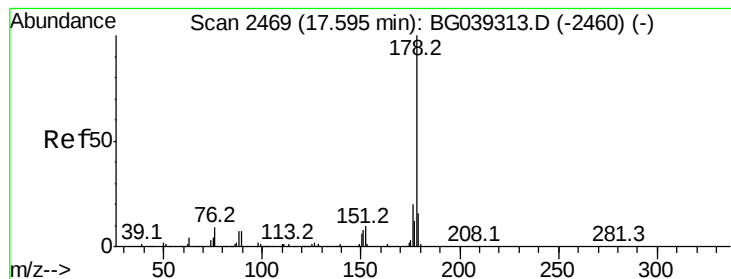
Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 116949 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 62.6  | 51.1  | 76.7   |
| 264       | 62.1  | 52.1  | 78.1   |





#71

Phenanthrene

Concen: 37.234 ng

RT: 17.58 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

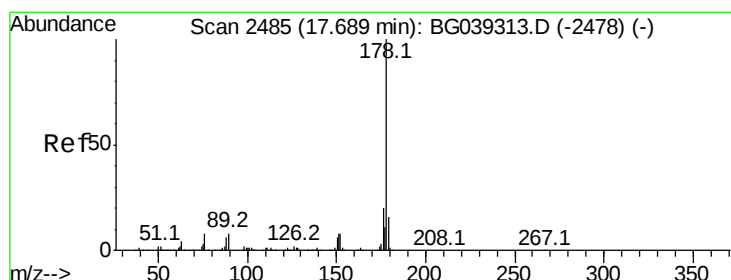
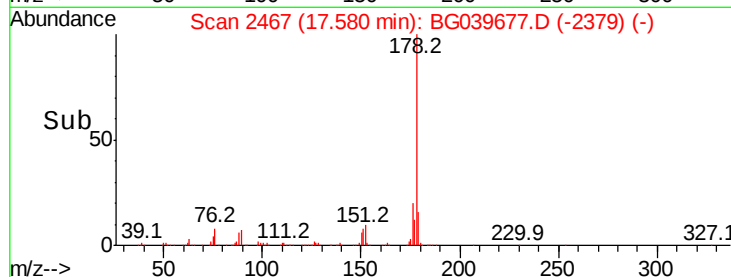
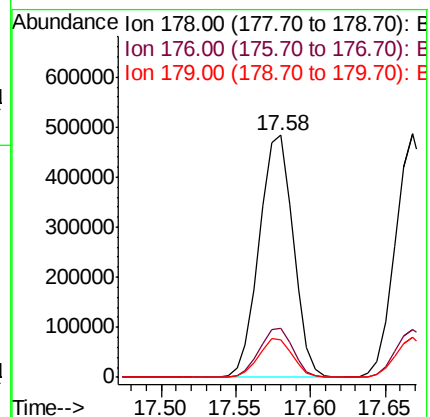
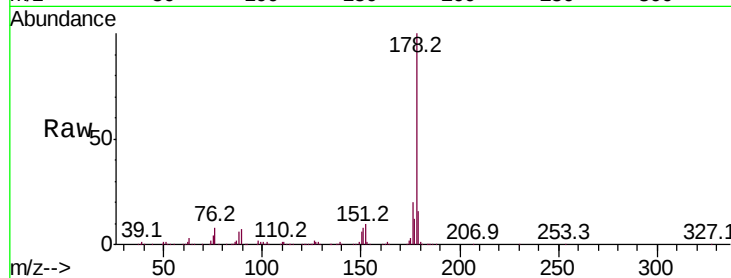
Tot Ion:178 Resp: 761344

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

179 15.8 12.6 19.0



#72

Anthracene

Concen: 37.355 ng

RT: 17.67 min Scan# 2482

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

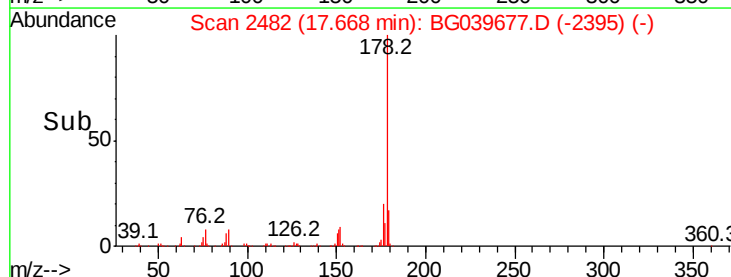
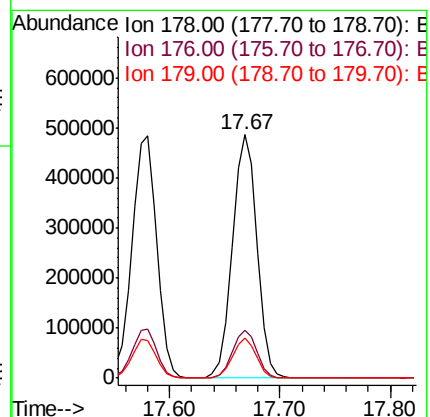
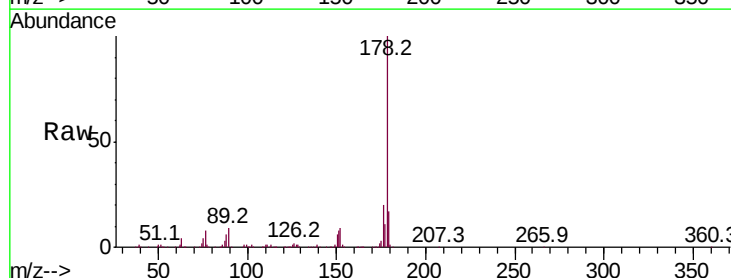
Tgt Ion:178 Resp: 752364

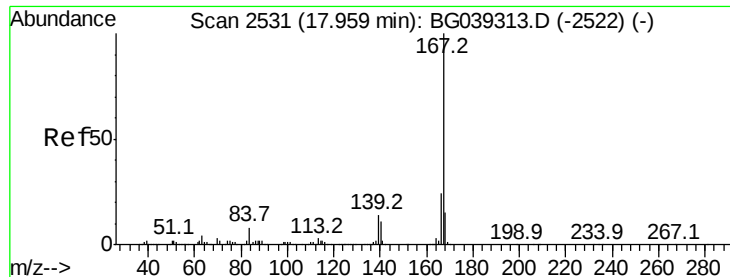
Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

179 16.6 12.5 18.7





#73

Carbazole

Concen: 36.308 ng

RT: 17.94 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

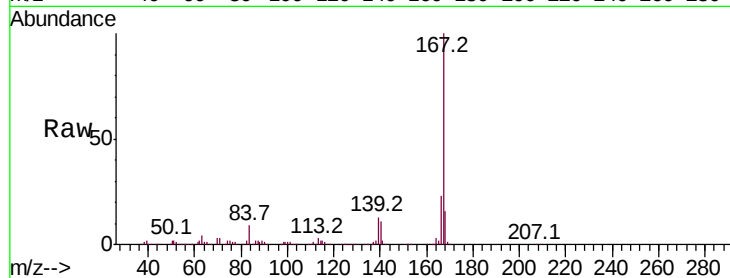
Tot Ion:167 Resp: 729799

Ion Ratio Lower Upper

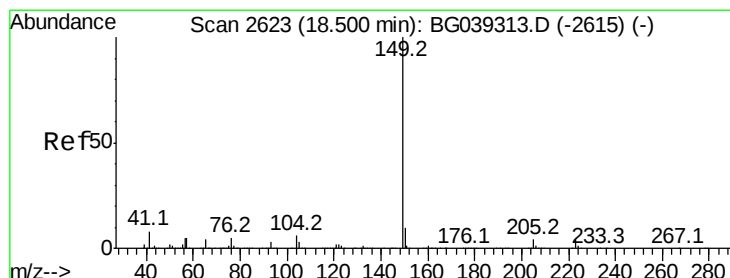
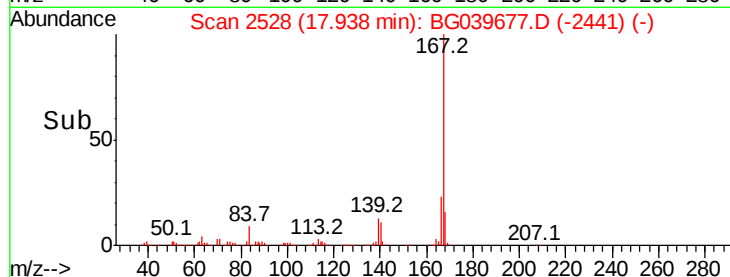
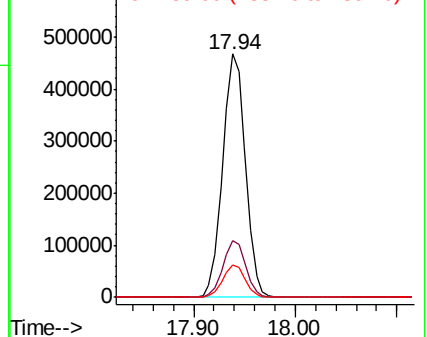
167 100

166 23.3 19.4 29.2

139 13.3 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 36.688 ng

RT: 18.47 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

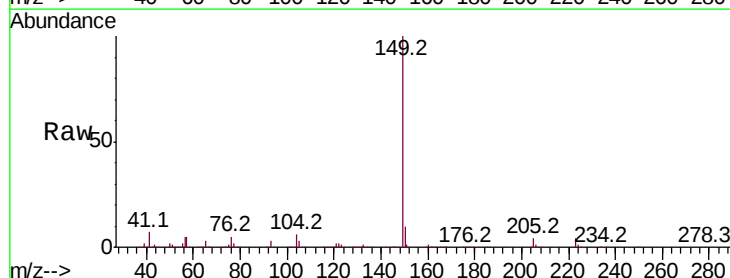
Tgt Ion:149 Resp: 860311

Ion Ratio Lower Upper

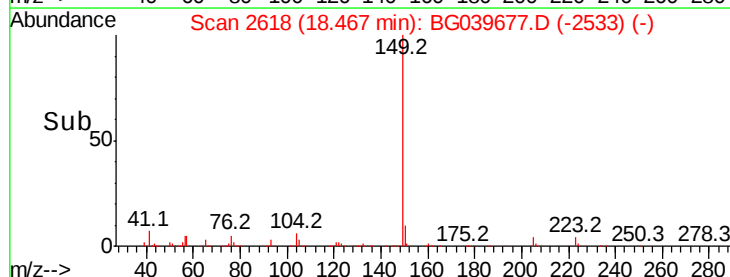
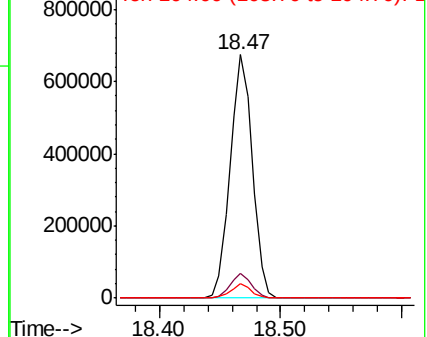
149 100

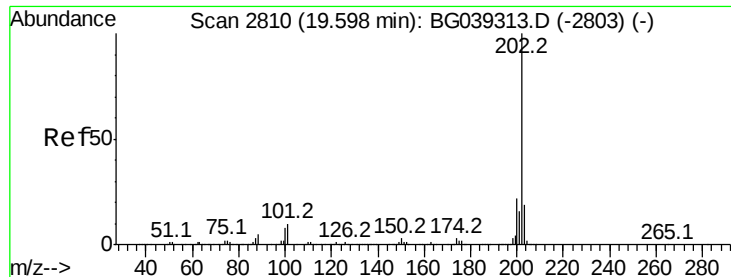
150 10.3 7.7 11.5

104 5.7 4.5 6.7



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: 37.541 ng

RT: 19.58 min Scan# 2807

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

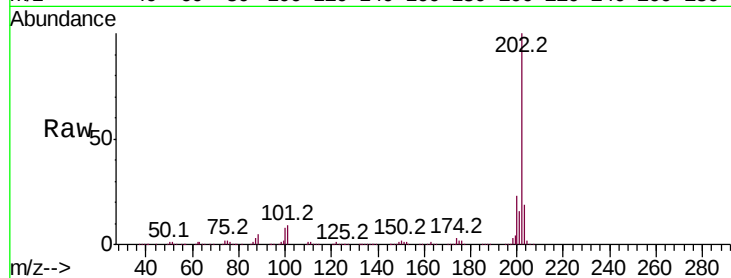
Tot Ion:202 Resp: 890953

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.0

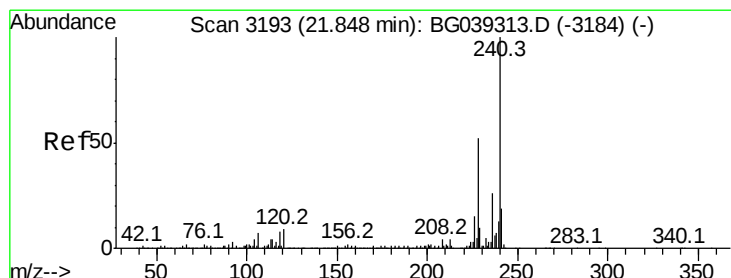
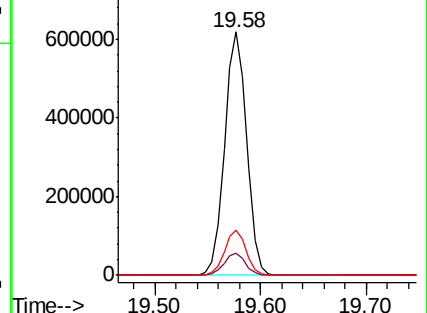
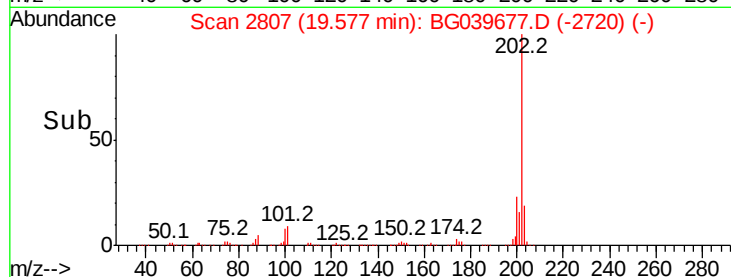
203 18.6 0.0 38.9



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

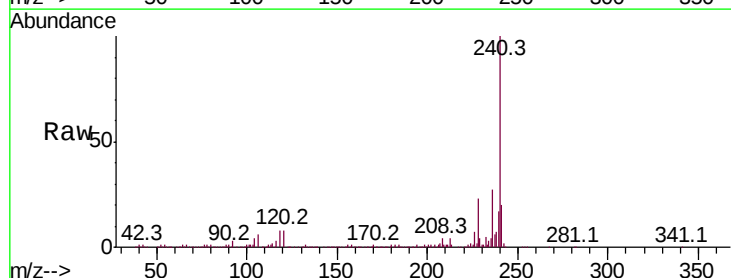
Tgt Ion:240 Resp: 394449

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

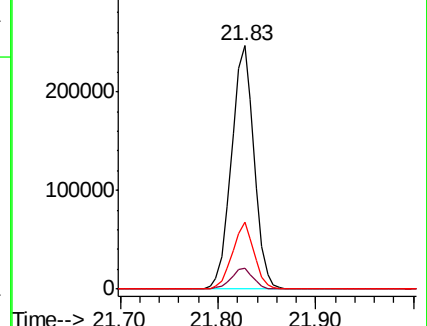
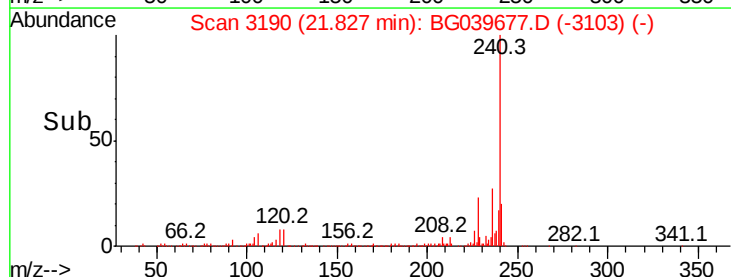
236 27.5 21.0 31.4

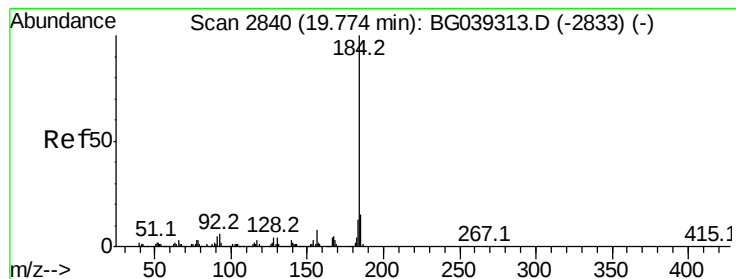


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.294 ng

RT: 19.75 min Scan# 2837

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

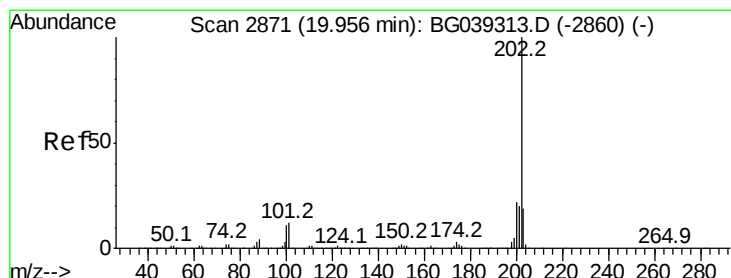
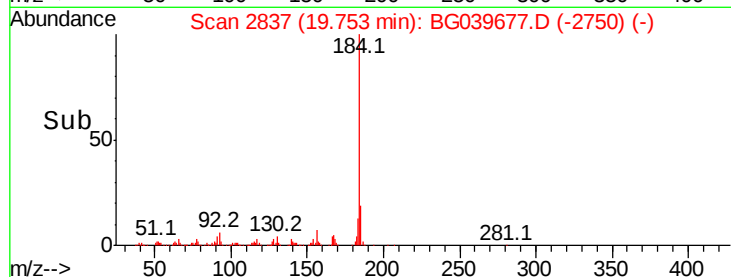
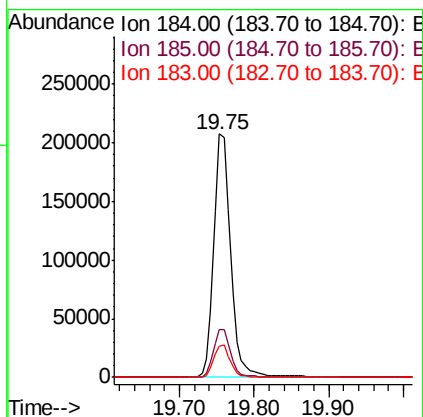
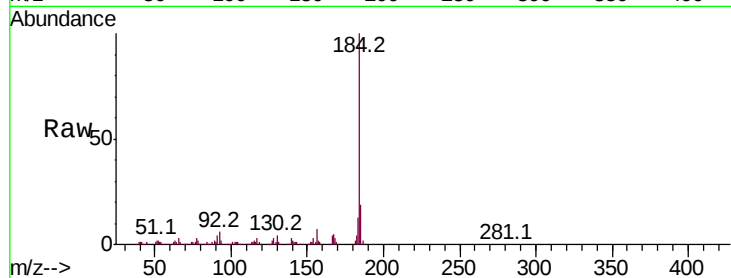
Tot Ion:184 Resp: 327103

Ion Ratio Lower Upper

184 100

185 19.5 12.2 18.2#

183 12.8 10.6 15.8



#78

Pyrene

Concen: 37.094 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.02 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

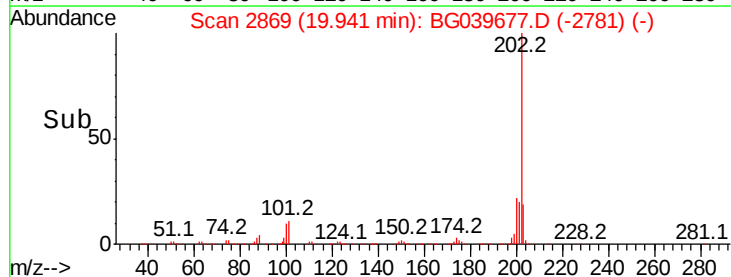
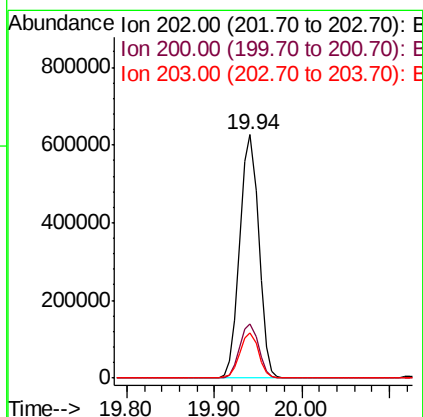
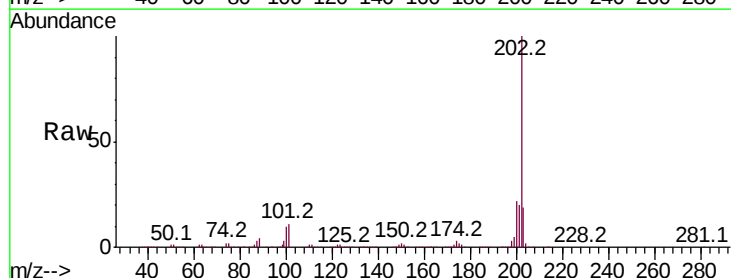
Tgt Ion:202 Resp: 910866

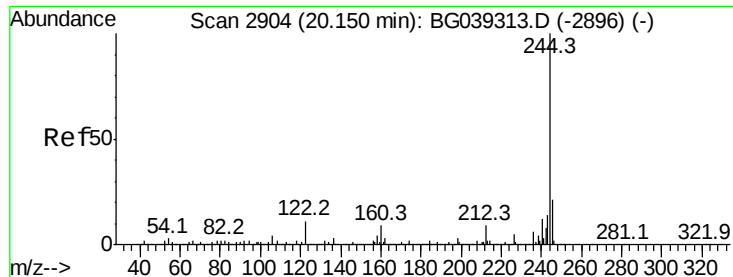
Ion Ratio Lower Upper

202 100

200 22.5 17.8 26.8

203 18.7 15.3 22.9

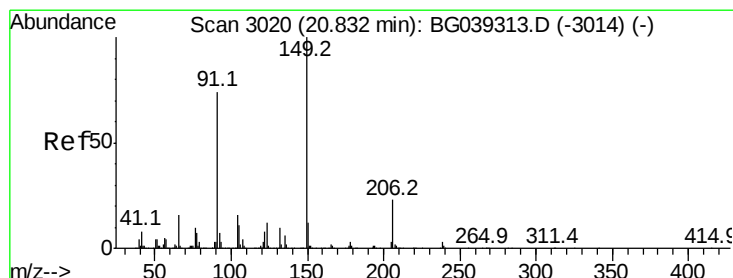
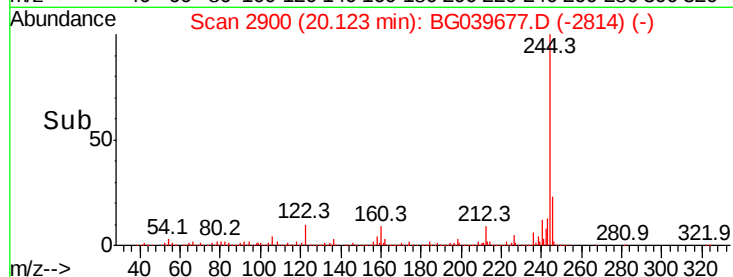
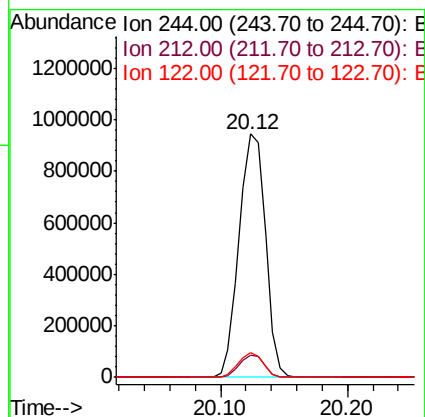
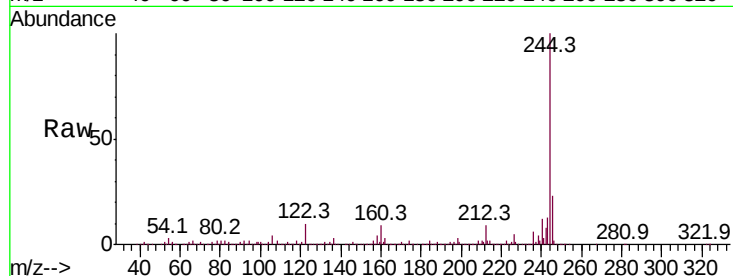




#79  
 Terphenyl-d14  
 Concen: 72.993 ng  
 RT: 20.12 min Scan# 2900  
 Delta R.T. -0.03 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

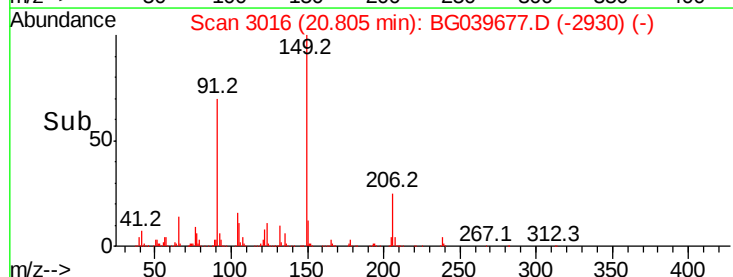
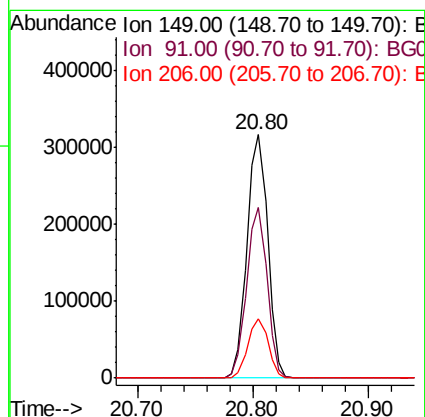
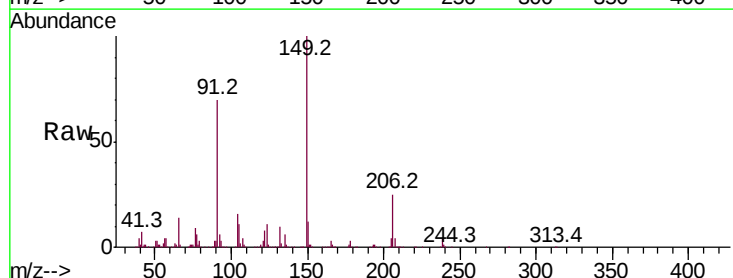
Instrument :  
 BNA\_G  
 ClientSampleId :

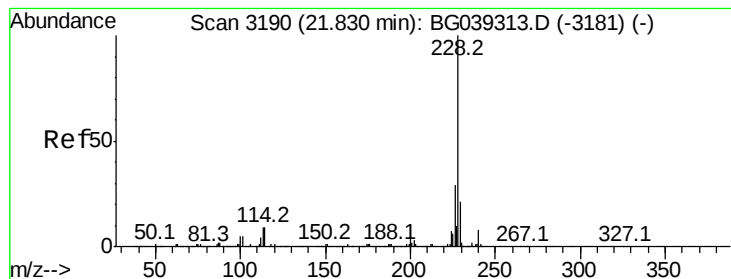
Tot Ion:244 Resp: 1360234  
 Ion Ratio Lower Upper  
 244 100  
 212 9.2 7.3 10.9  
 122 10.3 8.4 12.6



#80  
 Butylbenzylphthalate  
 Concen: 38.275 ng  
 RT: 20.80 min Scan# 3016  
 Delta R.T. -0.03 min  
 Lab File: BG039677.D  
 Acq: 1 Mar 2019 2:48

Tgt Ion:149 Resp: 396466  
 Ion Ratio Lower Upper  
 149 100  
 91 69.9 59.5 89.3  
 206 24.5 18.6 27.8





#81

Benzo(a)anthracene

Concen: 37.793 ng

RT: 21.80 min Scan# 3186

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

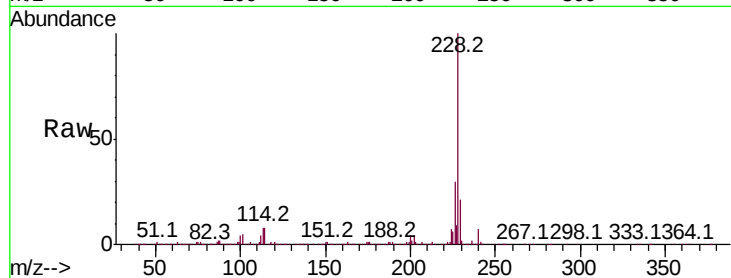
Tot Ion:228 Resp: 880874

Ion Ratio Lower Upper

228 100

226 29.6 23.0 34.6

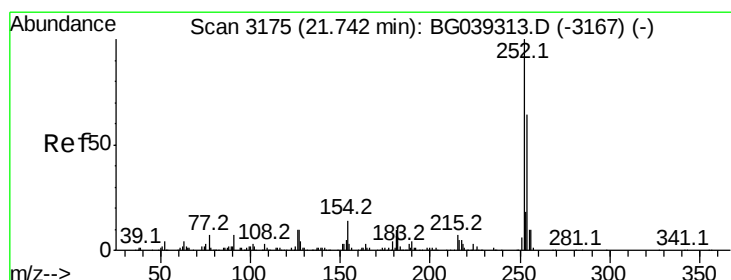
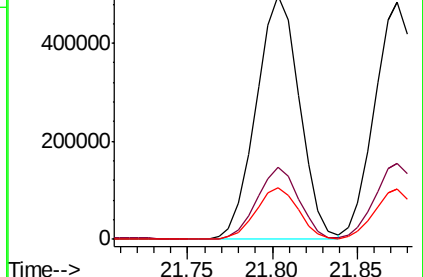
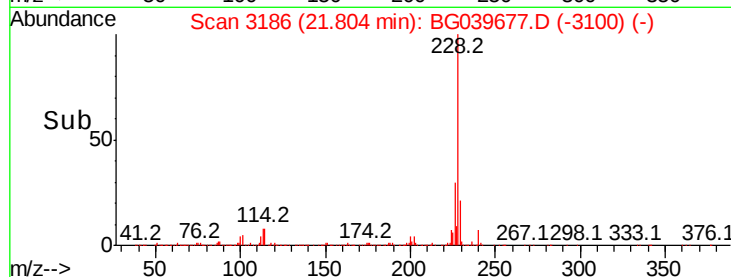
229 21.2 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.535 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

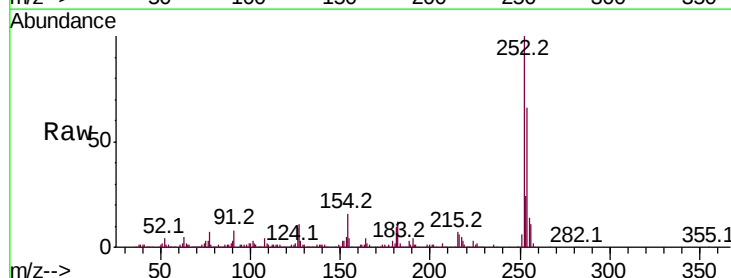
Tgt Ion:252 Resp: 324391

Ion Ratio Lower Upper

252 100

254 65.9 51.3 76.9

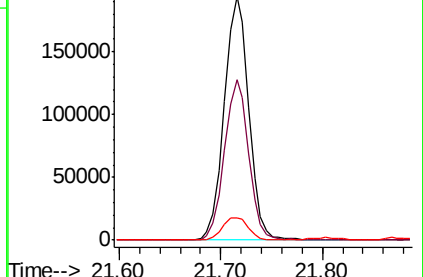
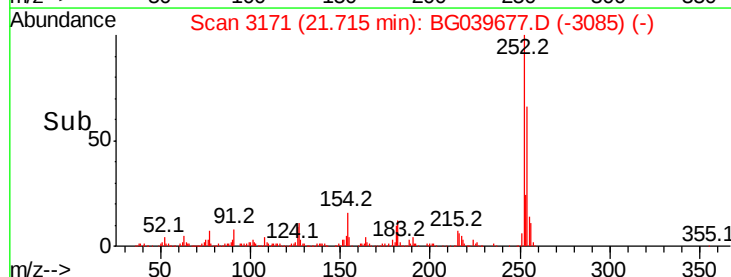
126 9.0 8.0 12.0

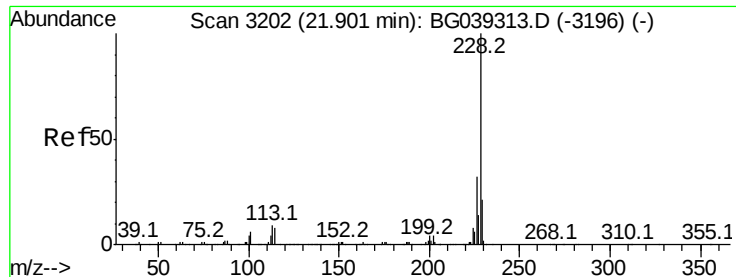


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 38.091 ng

RT: 21.87 min Scan# 3198

Delta R.T. -0.03 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

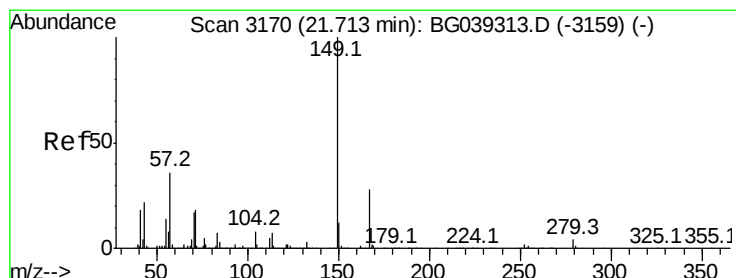
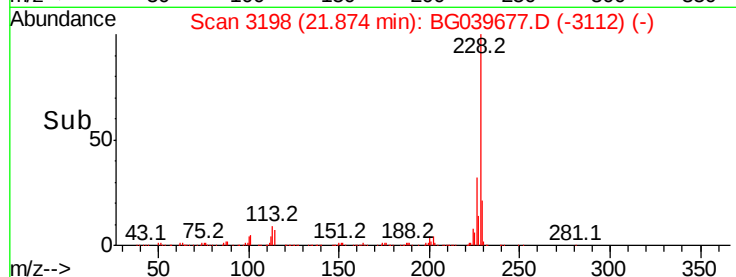
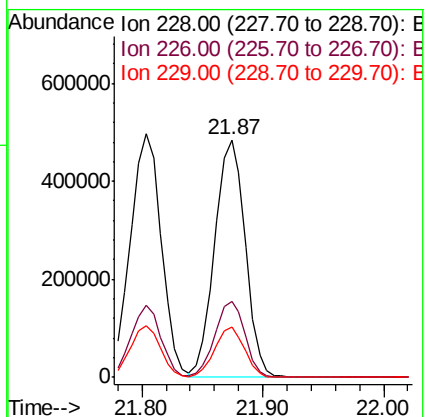
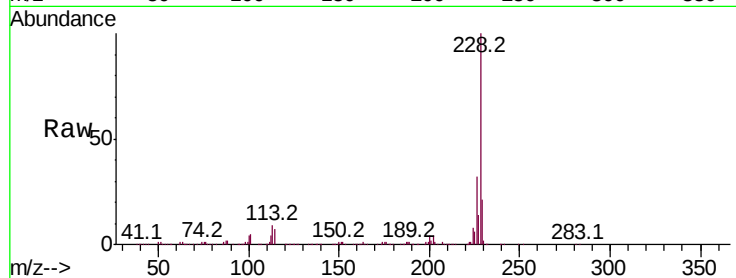
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:228 Resp: 845135

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.1  | 25.8  | 38.6  |
| 229 | 21.4  | 16.6  | 25.0  |



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.747 ng

RT: 21.67 min Scan# 3163

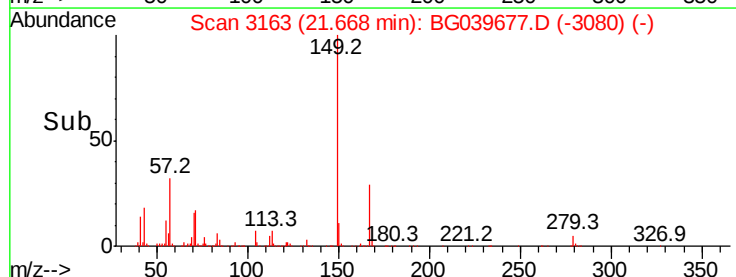
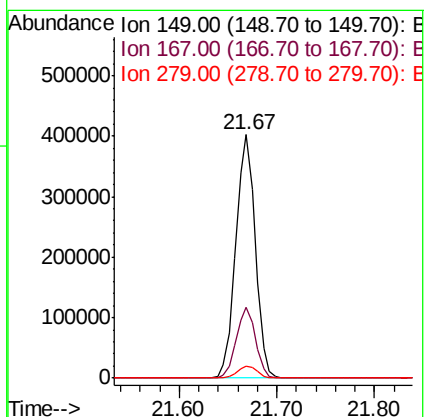
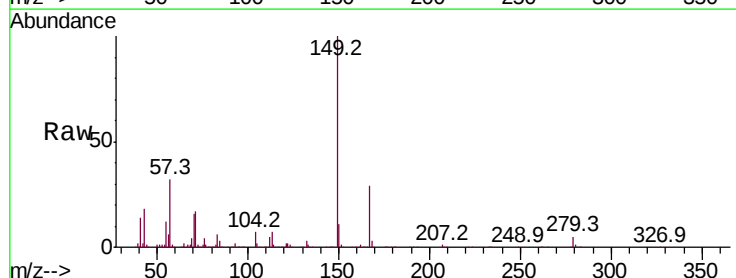
Delta R.T. -0.04 min

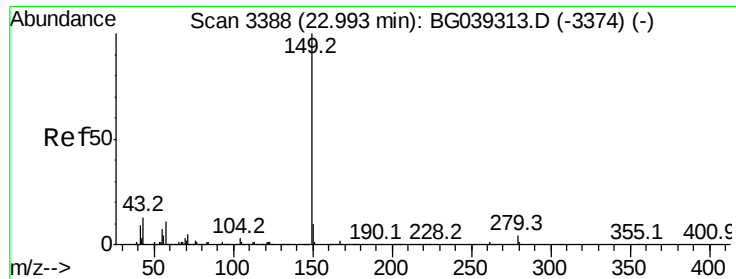
Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Tgt Ion:149 Resp: 557810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.3  | 22.6  | 34.0  |
| 279 | 4.7   | 3.5   | 5.3   |





#85

Di-n-octyl phthalate

Concen: 38.191 ng

RT: 22.93 min Scan# 3377

Delta R.T. -0.07 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

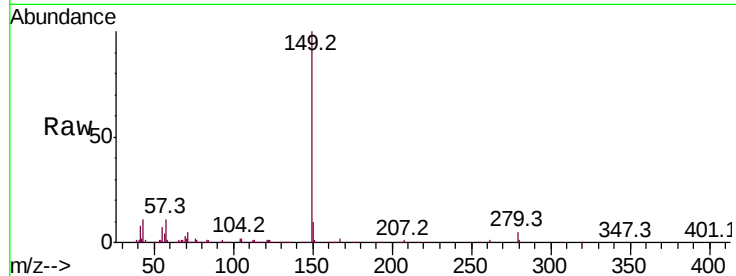
Tot Ion:149 Resp: 932394

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

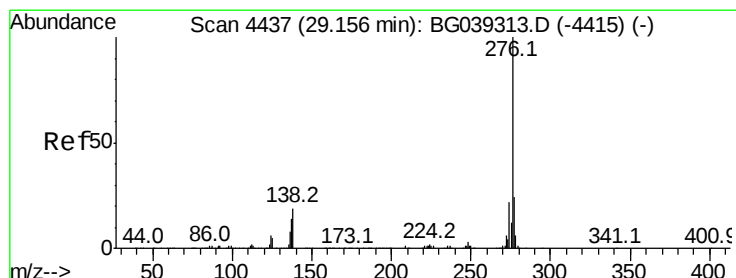
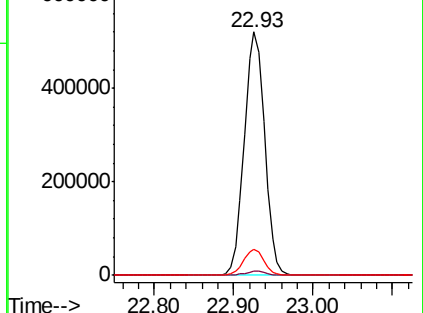
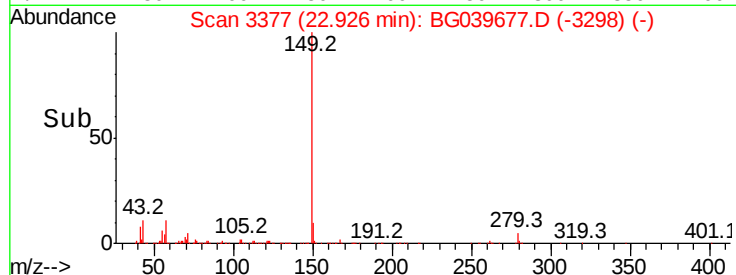
43 10.7 10.2 15.4



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: 40.886 ng

RT: 29.08 min Scan# 4424

Delta R.T. -0.08 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

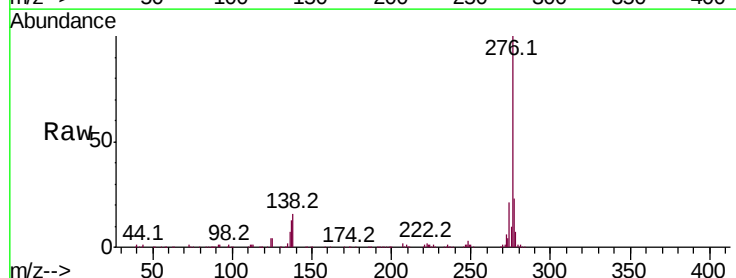
Tgt Ion:276 Resp: 973298

Ion Ratio Lower Upper

276 100

138 13.6 12.6 19.0

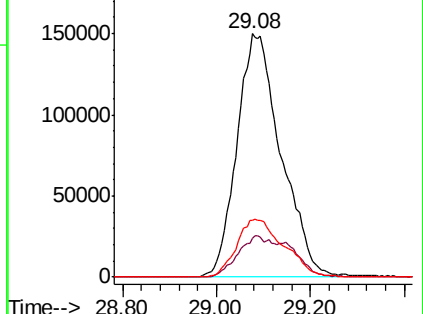
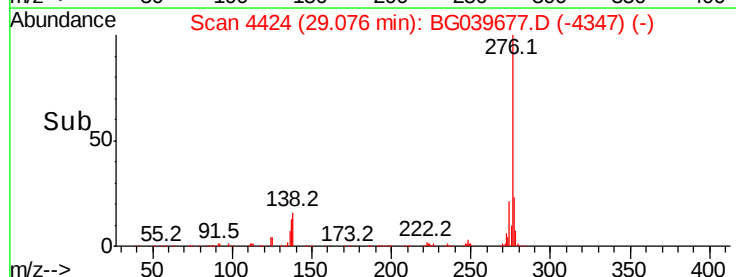
277 25.6 20.8 31.2

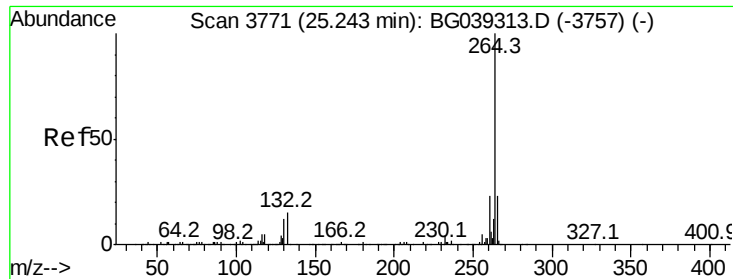


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

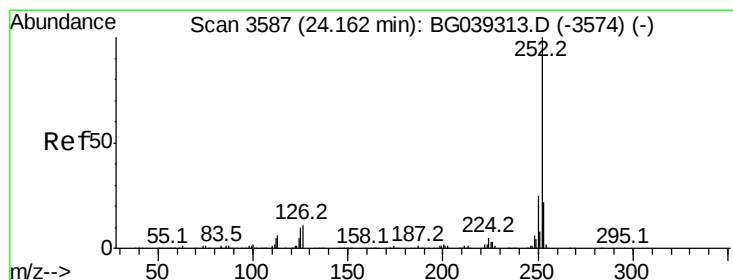
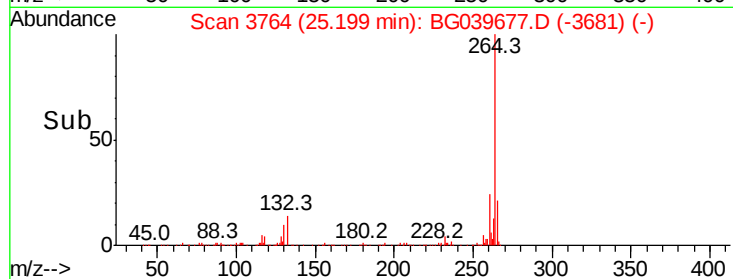
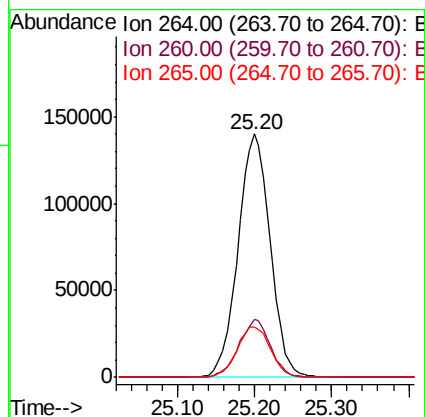
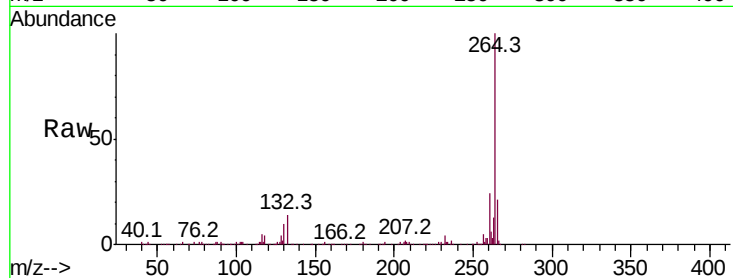




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.20 min Scan# 3764  
Delta R.T. -0.04 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

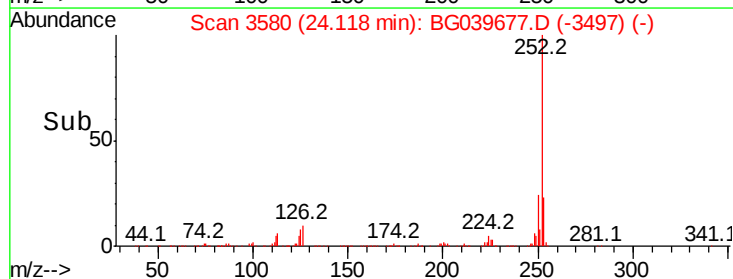
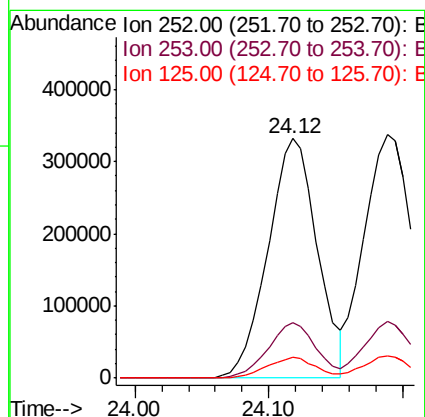
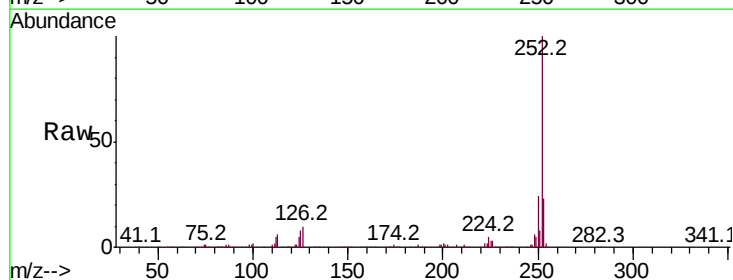
Instrument :  
BNA\_G  
ClientSampleId :

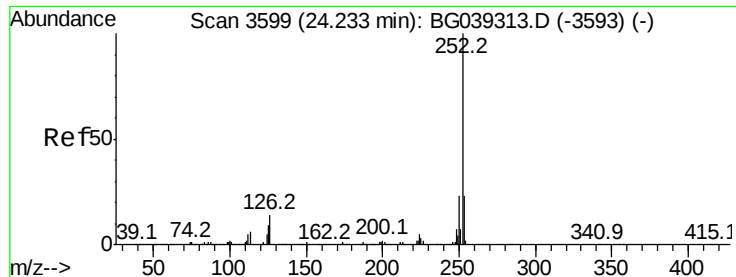
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 18.2  | 27.4  |
| 265     | 20.9  | 18.5  | 27.7  |



#88  
Benzo(b)fluoranthene  
Concen: 38.155 ng  
RT: 24.12 min Scan# 3580  
Delta R.T. -0.04 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 17.8  | 26.8  |
| 125     | 8.5   | 7.8   | 11.6  |

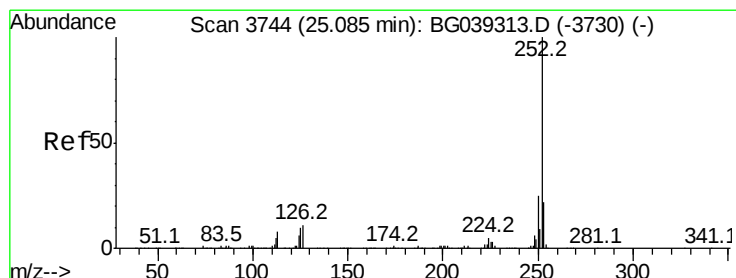
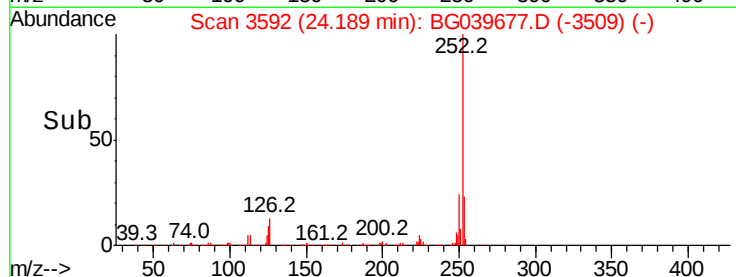
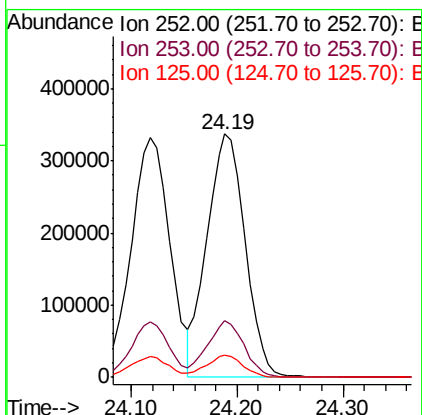
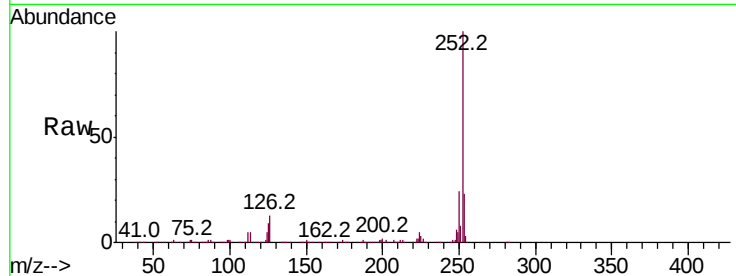




#89  
Benzo(k)fluoranthene  
Concen: 37.649 ng  
RT: 24.19 min Scan# 3592  
Delta R.T. -0.04 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

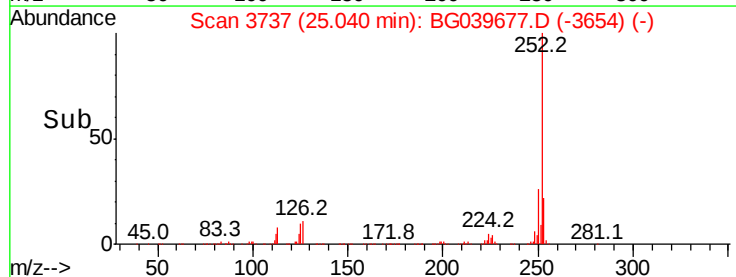
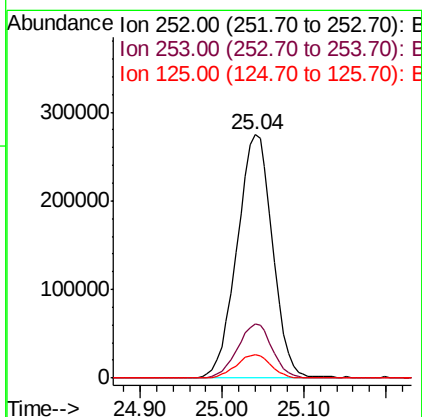
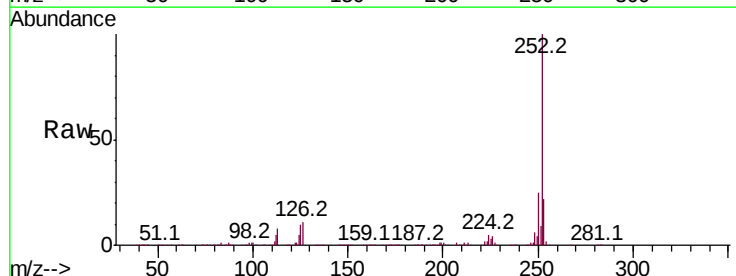
Instrument :  
BNA\_G  
ClientSampleId :

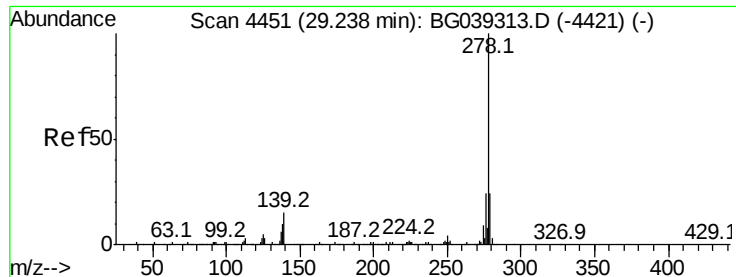
Tot Ion:252 Resp: 842876  
Ion Ratio Lower Upper  
252 100  
253 23.2 18.2 27.2  
125 9.2 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 38.544 ng  
RT: 25.04 min Scan# 3737  
Delta R.T. -0.04 min  
Lab File: BG039677.D  
Acq: 1 Mar 2019 2:48

Tgt Ion:252 Resp: 827759  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.9 26.9  
125 9.8 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 39.151 ng

RT: 29.15 min Scan# 4437

Delta R.T. -0.09 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

Instrument :

BNA\_G

ClientSampleId :

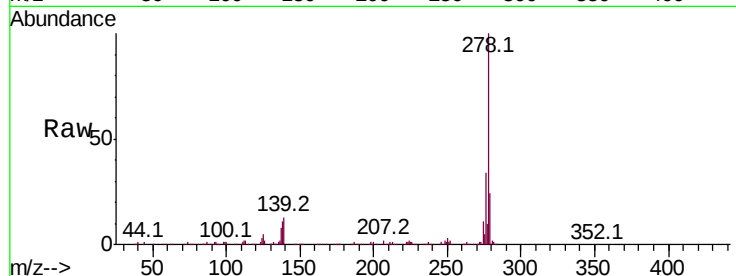
Tot Ion:278 Resp: 787400

Ion Ratio Lower Upper

278 100

139 13.3 11.7 17.5

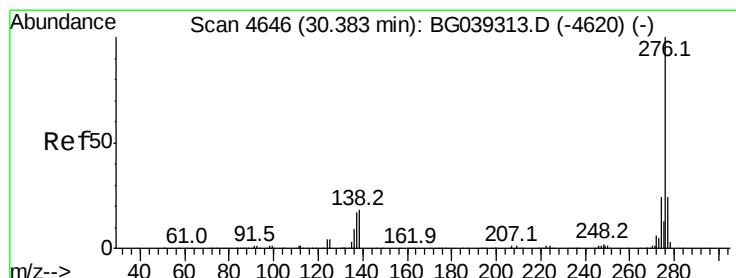
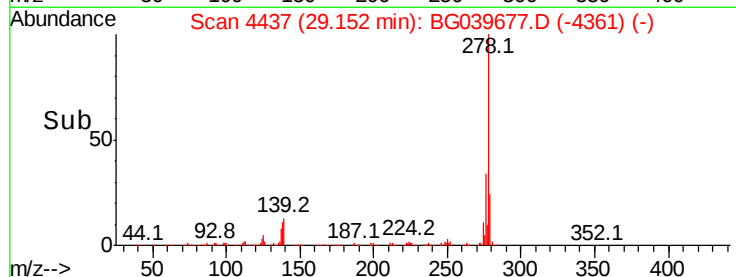
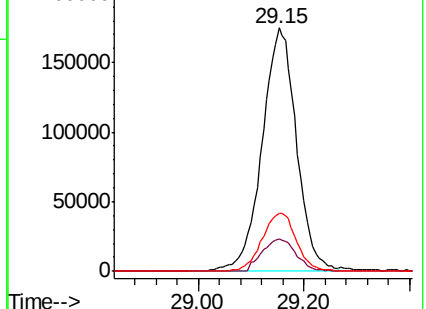
279 23.6 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 39.497 ng

RT: 30.32 min Scan# 4635

Delta R.T. -0.07 min

Lab File: BG039677.D

Acq: 1 Mar 2019 2:48

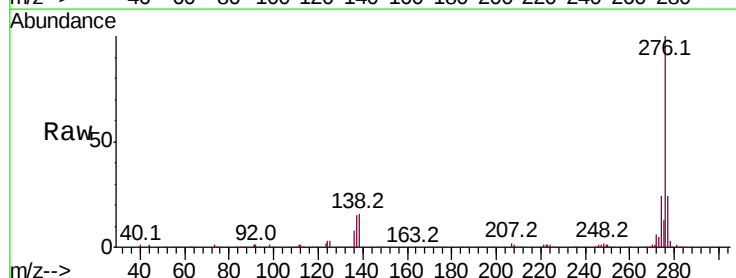
Tgt Ion:276 Resp: 791757

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 15.8 14.7 22.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

