

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012919\  
 Data File : BG039311.D  
 Acq On : 29 Jan 2019 10:15  
 Operator : JU/SJ  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 29 12:19:38 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 12:14:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 38155    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.01 | 136  | 171498   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.81 | 164  | 114076   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.56 | 188  | 276045   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.85 | 240  | 287980   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.25 | 264  | 282418   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.72  | 112 | 44941  | 22.34 | ng | 0.00 |
| 7) Phenol-d6             | 7.31  | 99  | 68310  | 23.60 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.36  | 82  | 41614  | 13.28 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.29 | 330 | 20738  | 10.84 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.43 | 172 | 165224 | 19.82 | ng | 0.00 |
| 79) Terphenyl-d14        | 20.15 | 244 | 295145 | 18.96 | ng | 0.00 |

## Target Compounds

|                                |       |     |       |        |    | Qvalue |
|--------------------------------|-------|-----|-------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.62  | 88  | 10318 | 13.100 | ng | 95     |
| 3) Pyridine                    | 4.03  | 79  | 25281 | 11.812 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.95  | 42  | 12317 | 12.789 | ng | # 89   |
| 6) Aniline                     | 7.51  | 93  | 41609 | 11.969 | ng | 97     |
| 8) 2-Chlorophenol              | 7.74  | 128 | 25562 | 10.781 | ng | 99     |
| 9) Benzaldehyde                | 7.32  | 77  | 23100 | 13.838 | ng | 93     |
| 10) Phenol                     | 7.34  | 94  | 35788 | 12.332 | ng | 96     |
| 11) bis(2-Chloroethyl)ether    | 7.60  | 93  | 28952 | 13.053 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 8.07  | 146 | 31422 | 11.061 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.22  | 146 | 32157 | 11.177 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.54  | 146 | 30726 | 11.201 | ng | 95     |
| 15) Benzyl Alcohol             | 8.42  | 79  | 26084 | 11.966 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.71  | 45  | 65992 | 15.516 | ng | 96     |
| 17) 2-Methylphenol             | 8.60  | 107 | 22213 | 11.023 | ng | # 89   |
| 18) Hexachloroethane           | 9.27  | 117 | 10524 | 10.767 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.99  | 70  | 24794 | 13.044 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 30740 | 10.699 | ng | 94     |
| 22) Acetophenone               | 9.01  | 105 | 46053 | 10.283 | ng | 98     |
| 24) Nitrobenzene               | 9.40  | 77  | 23700 | 7.481  | ng | 98     |
| 25) Isophorone                 | 9.92  | 82  | 60725 | 11.248 | ng | 99     |
| 26) 2-Nitrophenol              | 10.11 | 139 | 7101  | 4.144  | ng | 90     |
| 27) 2,4-Dimethylphenol         | 10.15 | 122 | 24834 | 10.302 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.40 | 93  | 37517 | 11.563 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.64 | 162 | 25221 | 8.422  | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.87 | 180 | 29913 | 8.313  | ng | 97     |
| 31) Naphthalene                | 11.06 | 128 | 85491 | 9.939  | ng | 98     |
| 32) Benzoic acid               | 10.21 | 122 | 7408  | 5.801  | ng | 96     |
| 33) 4-Chloroaniline            | 11.16 | 127 | 40287 | 10.468 | ng | 95     |
| 34) Hexachlorobutadiene        | 11.32 | 225 | 19924 | 8.047  | ng | 93     |
| 35) Caprolactam                | 11.93 | 113 | 10792 | 8.986  | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.26 | 107 | 29948 | 9.350  | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.65 | 142 | 63779 | 9.890  | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.87 | 142 | 61258 | 9.897  | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 35514 | 8.290  | ng | 96     |

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 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

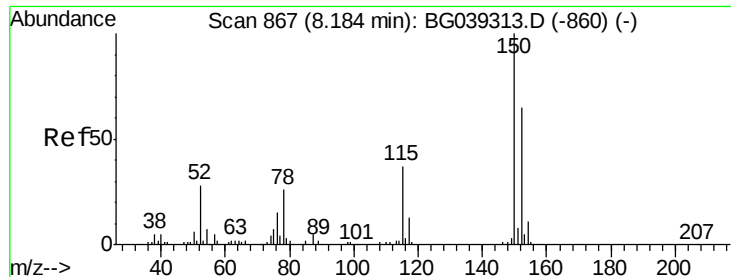
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 29 12:19:38 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 12:14:08 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.98 | 237  | 17877    | 8.487  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.24 | 196  | 20611    | 7.644  | ng    | 92       |
| 44) 2,4,5-Trichlorophenol      | 13.31 | 196  | 21504    | 7.546  | ng    | 95       |
| 46) 1,1'-Biphenyl              | 13.65 | 154  | 94968    | 10.506 | ng    | 97       |
| 47) 2-Chloronaphthalene        | 13.69 | 162  | 71669    | 9.798  | ng    | 97       |
| 48) 2-Nitroaniline             | 13.90 | 65   | 10779    | 5.260  | ng    | 98       |
| 49) Acenaphthylene             | 14.54 | 152  | 111020   | 10.098 | ng    | 98       |
| 50) Dimethylphthalate          | 14.25 | 163  | 93583    | 9.708  | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.38 | 165  | 9797     | 4.546  | ng    | 94       |
| 52) Acenaphthene               | 14.87 | 154  | 69662    | 10.546 | ng    | 92       |
| 53) 3-Nitroaniline             | 14.71 | 138  | 11500    | 5.260  | ng    | # 88     |
| 54) 2,4-Dinitrophenol          | 14.91 | 184  | 4068     | 3.652  | ng    | # 72     |
| 55) Dibenzofuran               | 15.21 | 168  | 114636   | 9.826  | ng    | 98       |
| 56) 4-Nitrophenol              | 14.99 | 139  | 9826     | 6.246  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.16 | 165  | 11666    | 3.773  | ng    | 95       |
| 58) Fluorene                   | 15.85 | 166  | 88250    | 10.049 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.42 | 232  | 20388    | 7.579  | ng    | 99       |
| 60) Diethylphthalate           | 15.61 | 149  | 98485    | 9.916  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.84 | 204  | 49155    | 8.885  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.87 | 138  | 12708    | 5.580  | ng    | 94       |
| 63) Azobenzene                 | 16.13 | 77   | 96727    | 12.453 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 6166     | 3.015  | ng    | 91       |
| 66) n-Nitrosodiphenylamine     | 16.05 | 169  | 86640    | 10.587 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.73 | 248  | 30785    | 8.676  | ng    | 90       |
| 68) Hexachlorobenzene          | 16.85 | 284  | 29709    | 7.673  | ng    | 97       |
| 69) Atrazine                   | 16.99 | 200  | 33446    | 9.621  | ng    | 96       |
| 70) Pentachlorophenol          | 17.19 | 266  | 17092    | 8.251  | ng    | 97       |
| 71) Phenanthrene               | 17.60 | 178  | 150051   | 10.284 | ng    | 98       |
| 72) Anthracene                 | 17.69 | 178  | 146424   | 10.150 | ng    | 97       |
| 73) Carbazole                  | 17.96 | 167  | 149091   | 10.469 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.50 | 149  | 172391   | 10.881 | ng    | 99       |
| 75) Fluoranthene               | 19.59 | 202  | 177948   | 9.838  | ng    | 97       |
| 77) Benzidine                  | 19.78 | 184  | 101414   | 11.514 | ng    | 99       |
| 78) Pyrene                     | 19.96 | 202  | 184646   | 10.061 | ng    | 98       |
| 80) Butylbenzylphthalate       | 20.83 | 149  | 70845    | 10.149 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.83 | 228  | 171577   | 9.787  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 63738    | 8.923  | ng    | # 92     |
| 83) Chrysene                   | 21.90 | 228  | 163724   | 9.820  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 106214   | 10.959 | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.99 | 149  | 173259   | 10.572 | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 29.14 | 276  | 165253   | 8.295  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 24.15 | 252  | 153624   | 9.865  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.23 | 252  | 158854   | 10.317 | ng    | 98       |
| 90) Benzo(a)pyrene             | 25.08 | 252  | 148475   | 9.864  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 29.22 | 278  | 139357   | 9.308  | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 30.37 | 276  | 134681   | 9.087  | ng    | 97       |

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



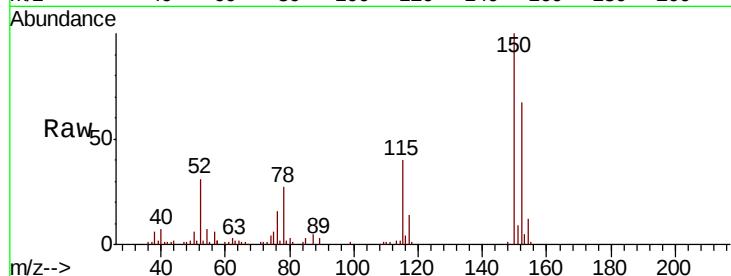


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 867  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.5 | 123.7 | 185.5 |
| 115     | 59.7  | 45.9  | 68.9  |

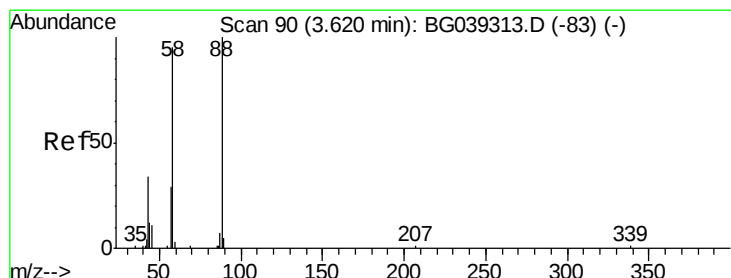
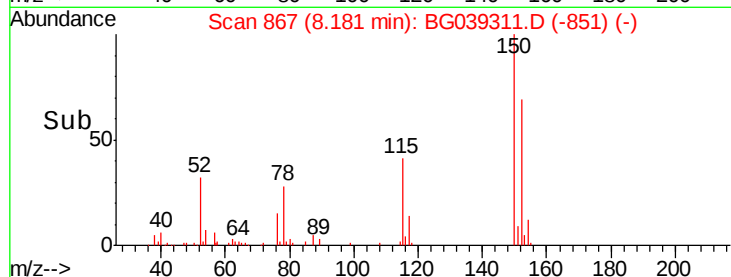
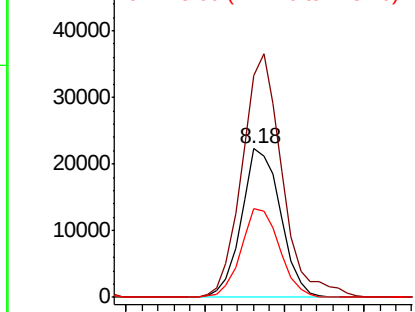


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

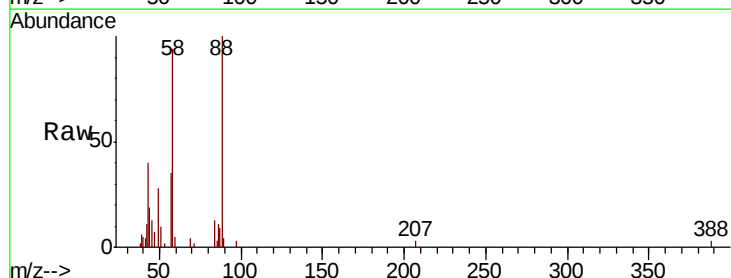
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 13.100 ng  
RT: 3.62 min Scan# 91  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 99.2  | 81.1  | 121.7 |
| 43      | 46.6  | 31.4  | 47.0  |

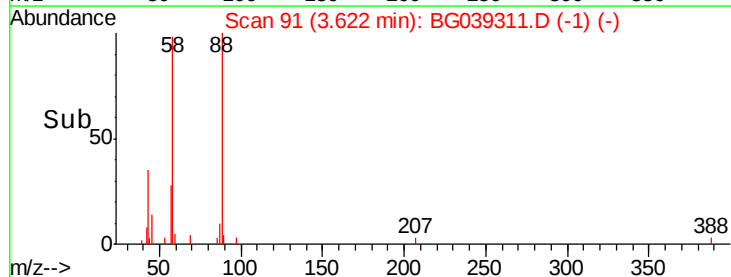
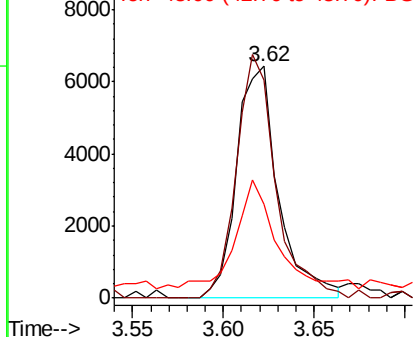


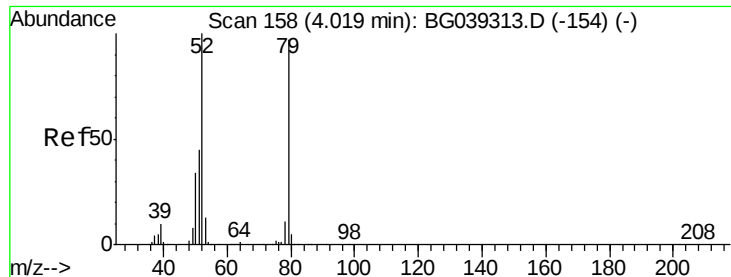
Abundance

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: 11.812 ng

RT: 4.03 min Scan# 160

Delta R.T. 0.01 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

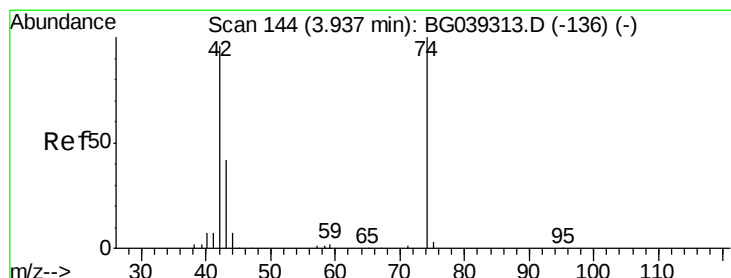
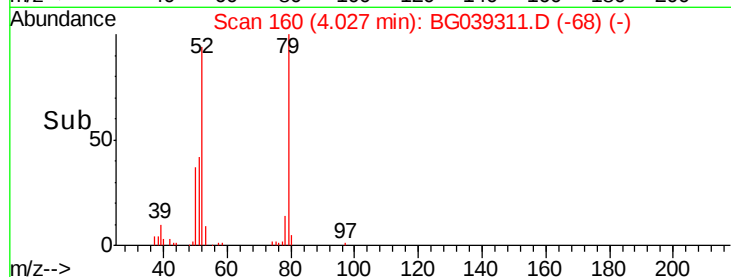
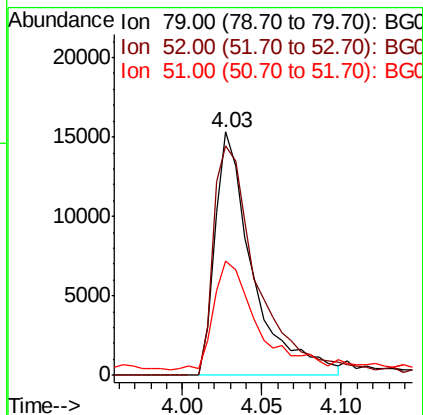
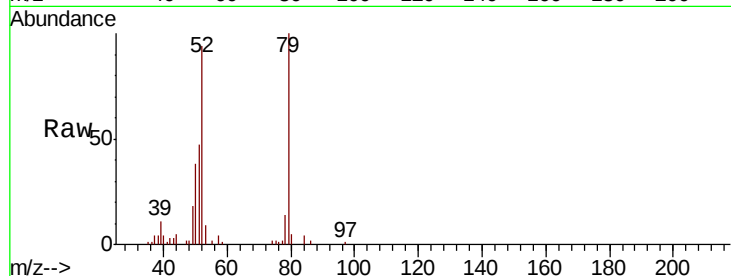
Tot Ion: 79 Resp: 25281

Ion Ratio Lower Upper

79 100

52 94.1 82.6 124.0

51 47.1 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 12.789 ng

RT: 3.95 min Scan# 146

Delta R.T. 0.01 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

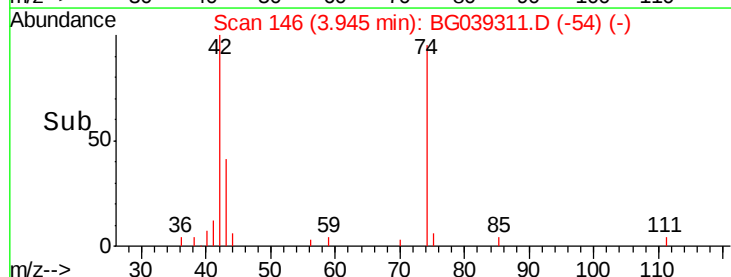
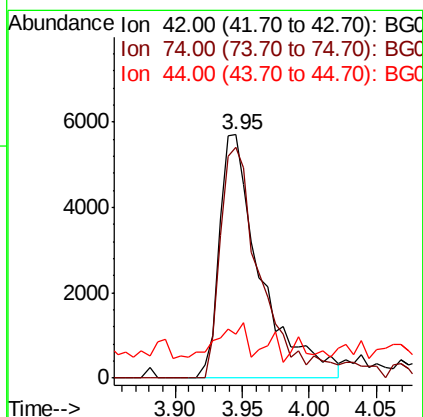
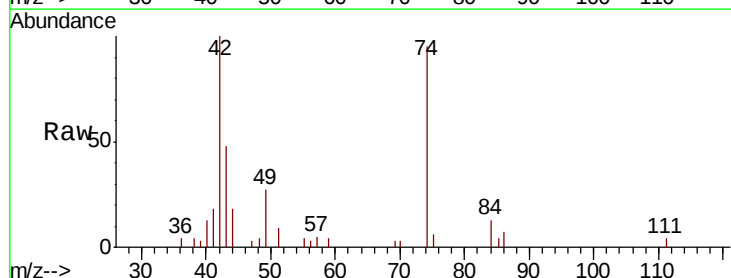
Tgt Ion: 42 Resp: 12317

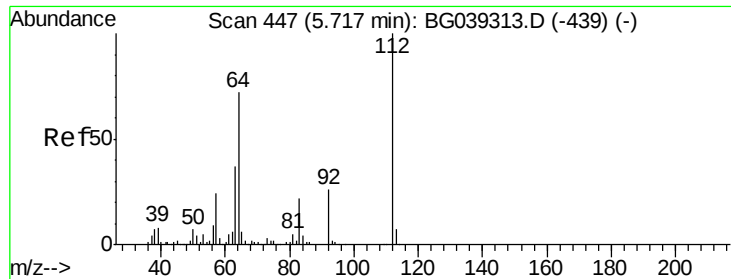
Ion Ratio Lower Upper

42 100

74 94.8 83.6 125.4

44 18.3 6.9 10.3#





#5

2-Fluorophenol

Concen: 22.344 ng

RT: 5.72 min Scan# 448

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

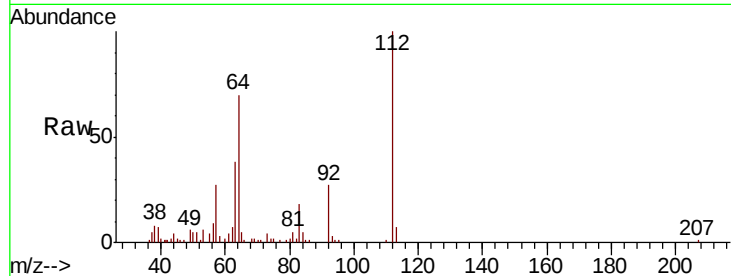
Tot Ion:112 Resp: 44941

Ion Ratio Lower Upper

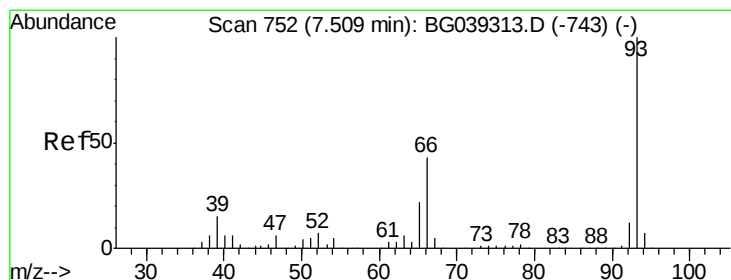
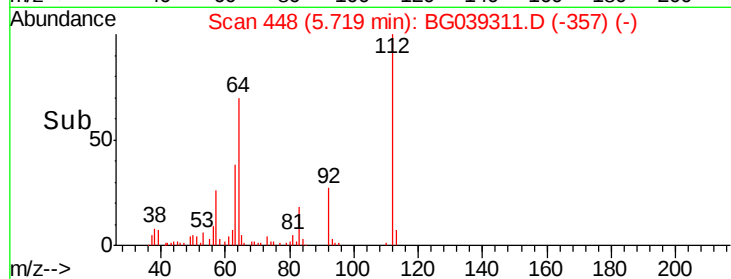
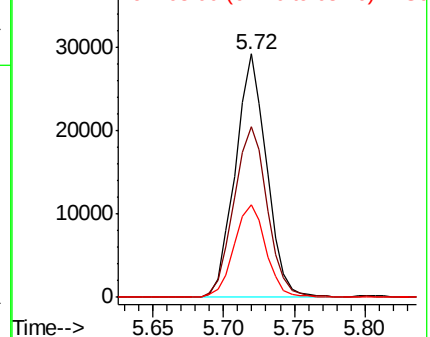
112 100

64 70.2 57.8 86.8

63 37.9 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 11.969 ng

RT: 7.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

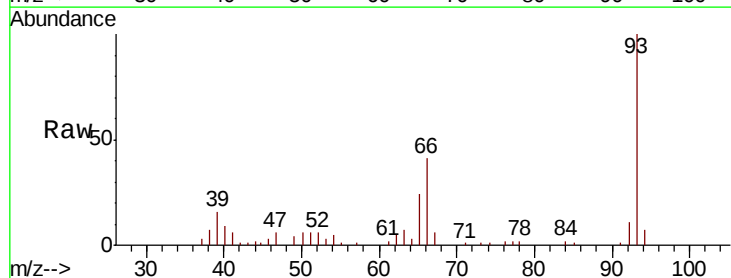
Tgt Ion: 93 Resp: 41609

Ion Ratio Lower Upper

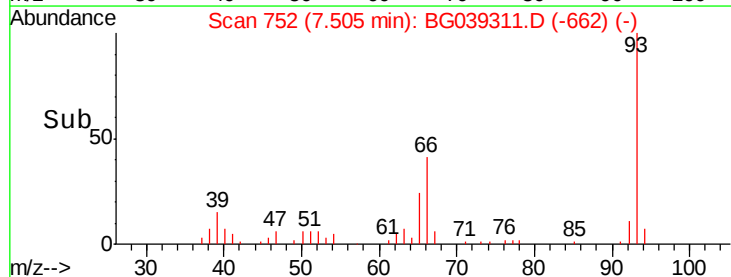
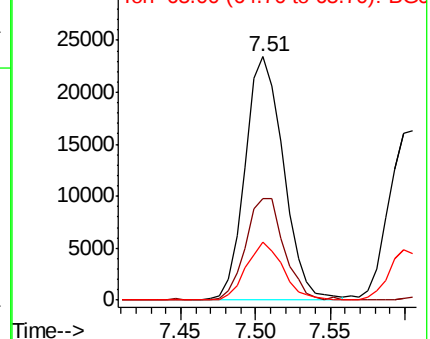
93 100

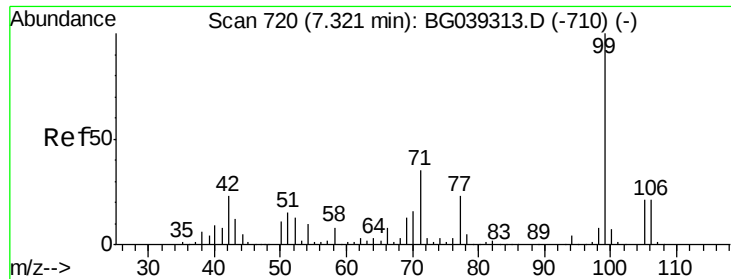
66 41.5 34.2 51.4

65 23.9 17.7 26.5



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





#7

Phenol-d6

Concen: 23.599 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampled :

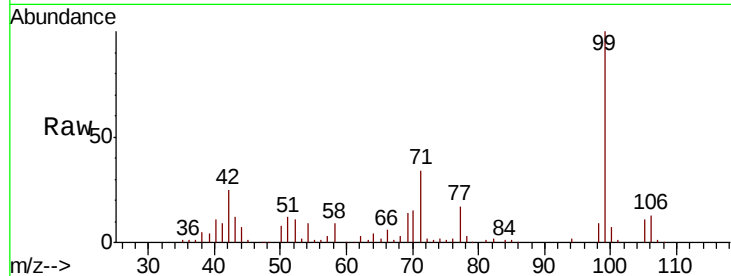
Tot Ion: 99 Resp: 68310

Ion Ratio Lower Upper

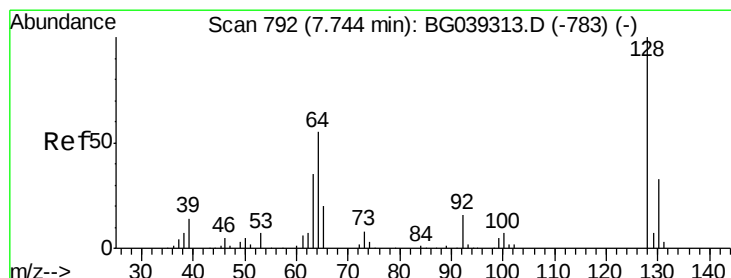
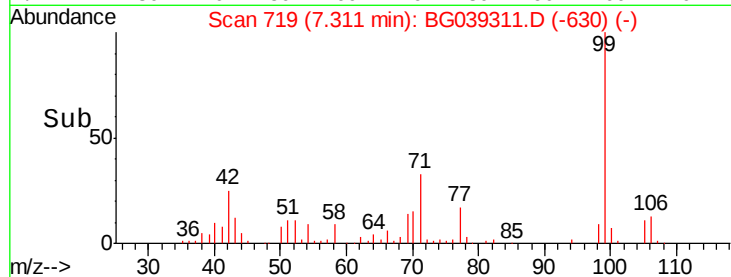
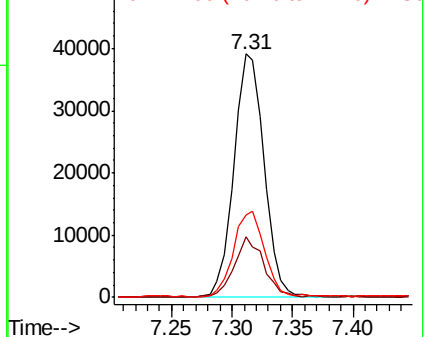
99 100

42 25.0 18.2 27.2

71 33.9 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: 10.781 ng

RT: 7.74 min Scan# 792

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

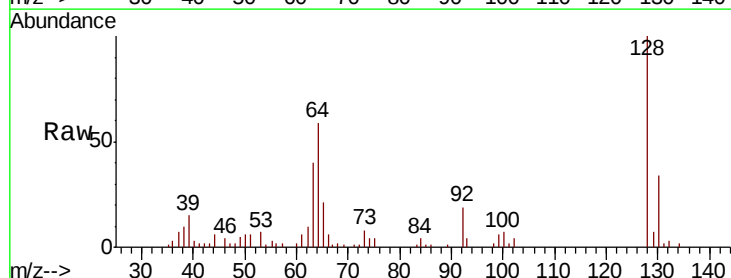
Tgt Ion: 128 Resp: 25562

Ion Ratio Lower Upper

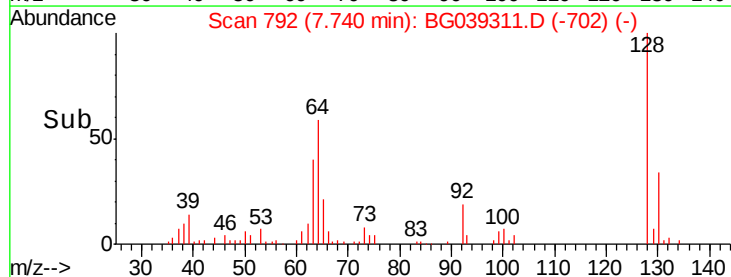
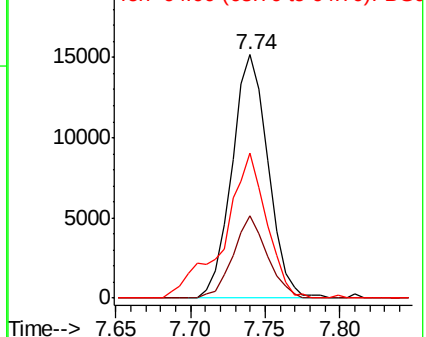
128 100

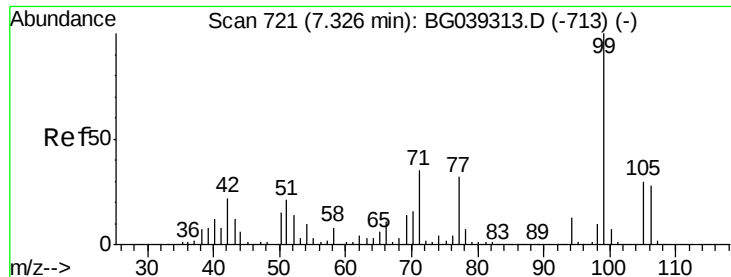
130 33.8 12.9 52.9

64 59.4 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: 13.838 ng

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampled :

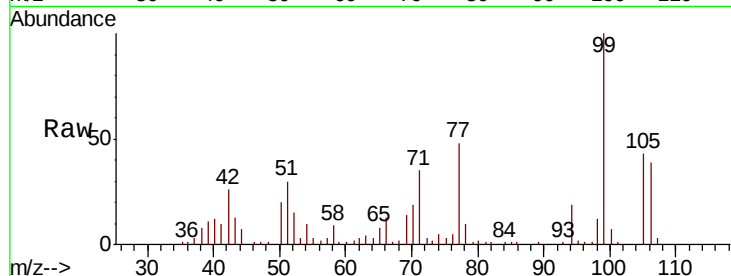
Tot Ion: 77 Resp: 23100

Ion Ratio Lower Upper

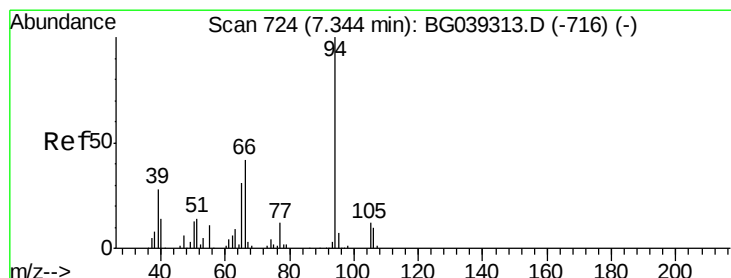
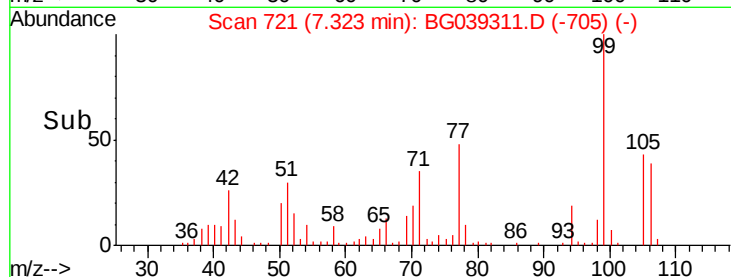
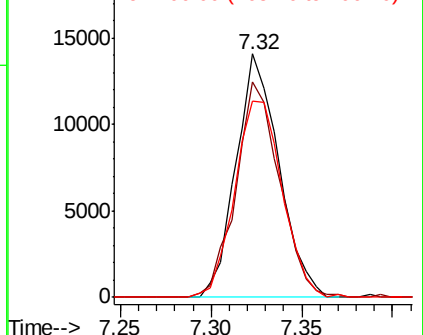
77 100

105 88.6 74.5 114.5

106 80.6 68.0 108.0



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 12.332 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

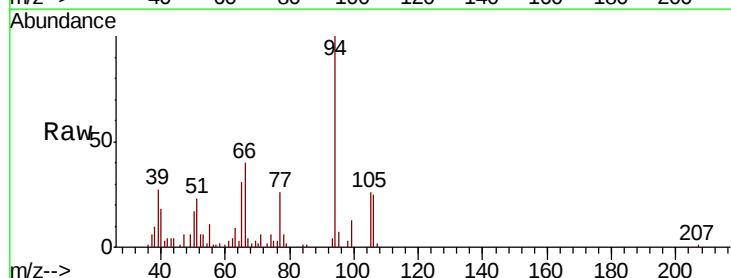
Tgt Ion: 94 Resp: 35788

Ion Ratio Lower Upper

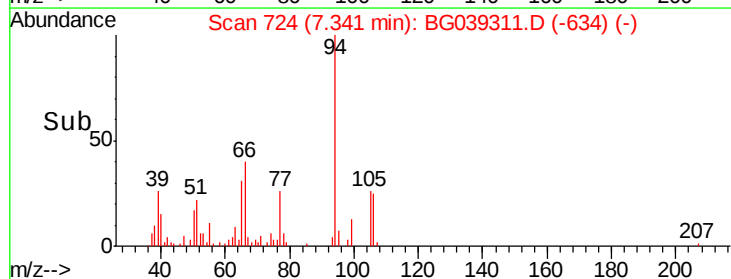
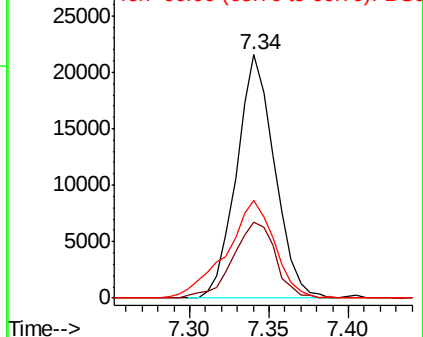
94 100

65 31.3 11.7 51.7

66 40.0 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

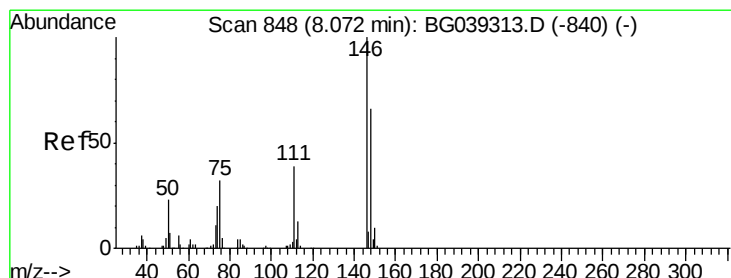
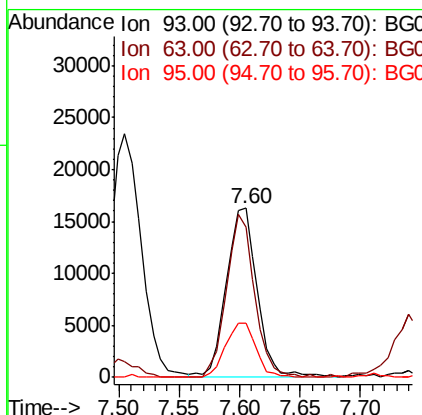
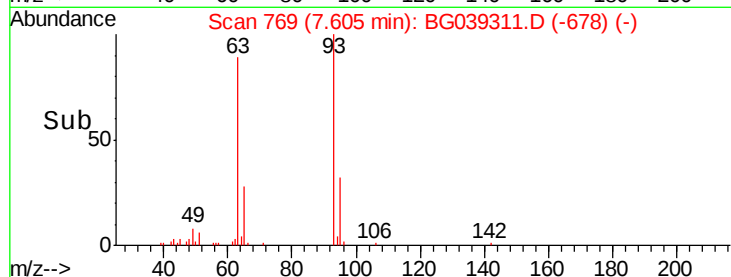
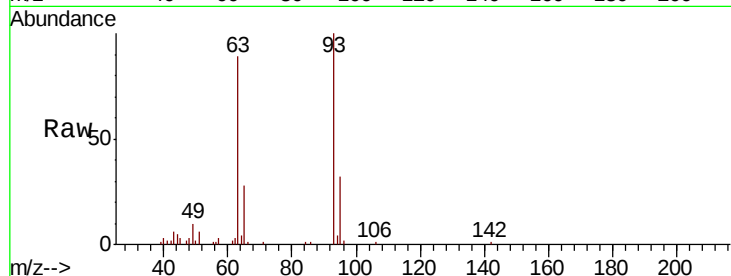




#11  
 bis(2-Chloroethyl)ether  
 Concen: 13.053 ng  
 RT: 7.60 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

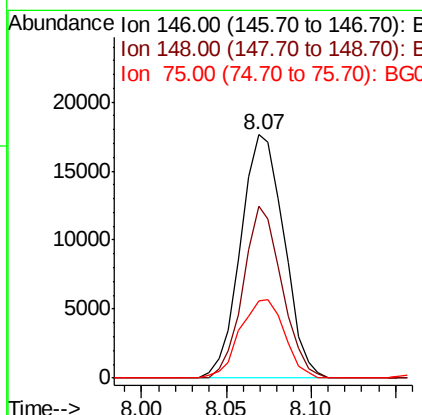
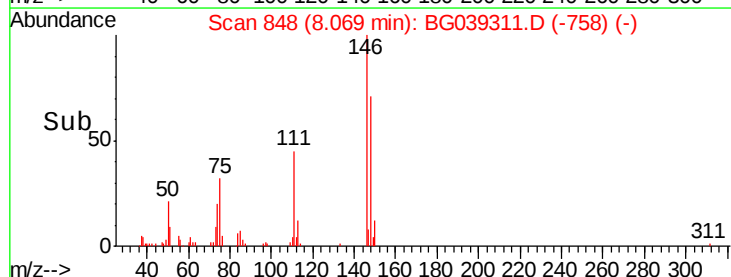
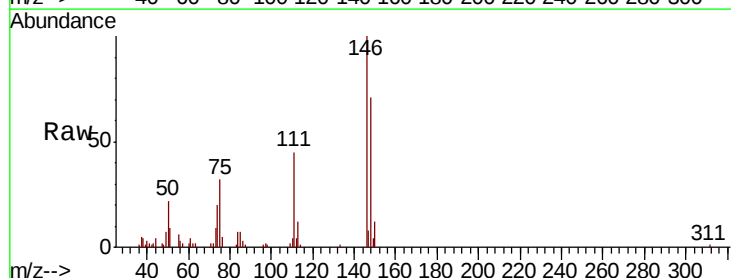
Instrument :  
 BNA\_G  
 ClientSampleId :

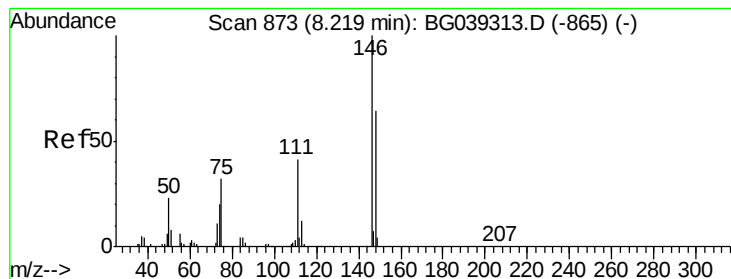
Tot Ion: 93 Resp: 28952  
 Ion Ratio Lower Upper  
 93 100  
 63 89.0 69.5 109.5  
 95 32.2 12.7 52.7



#12  
 1,3-Dichlorobenzene  
 Concen: 11.061 ng  
 RT: 8.07 min Scan# 848  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Tgt Ion: 146 Resp: 31422  
 Ion Ratio Lower Upper  
 146 100  
 148 70.6 52.6 79.0  
 75 31.7 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 11.177 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampled :

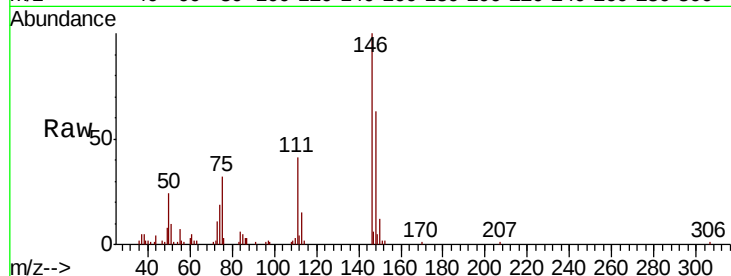
Tot Ion:146 Resp: 32157

Ion Ratio Lower Upper

146 100

148 62.6 51.1 76.7

111 41.4 32.6 48.8

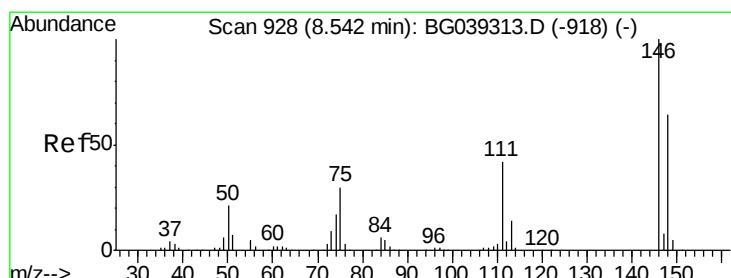
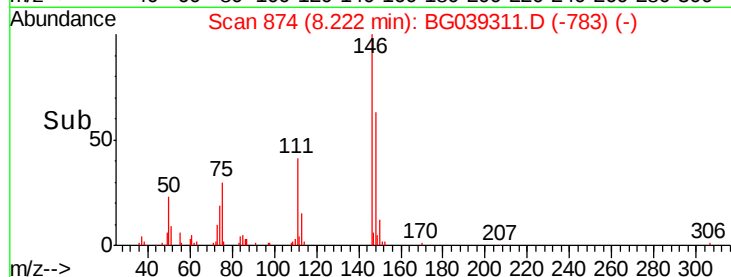
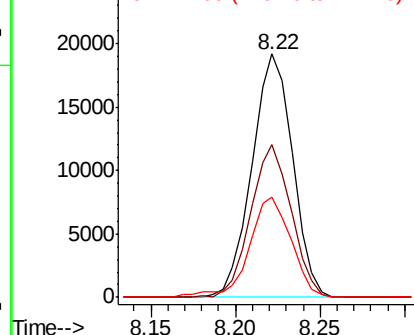


Abundance

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: 11.201 ng

RT: 8.54 min Scan# 929

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

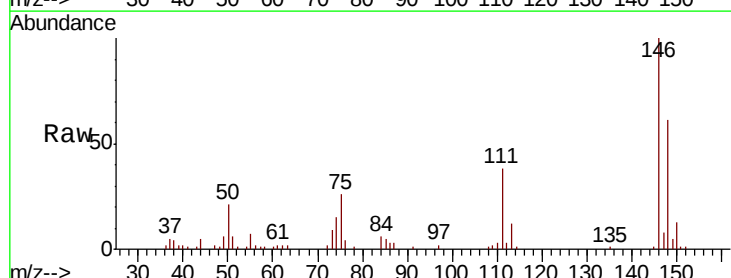
Tgt Ion:146 Resp: 30726

Ion Ratio Lower Upper

146 100

148 60.9 51.5 77.3

111 38.3 33.8 50.6

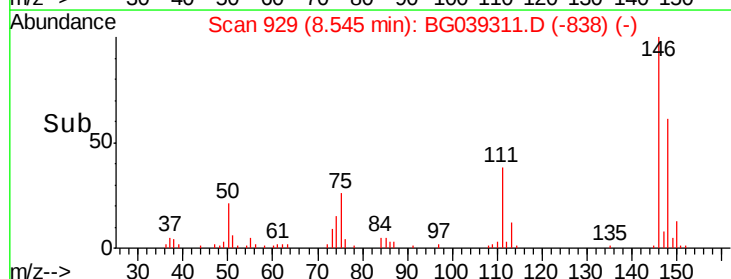
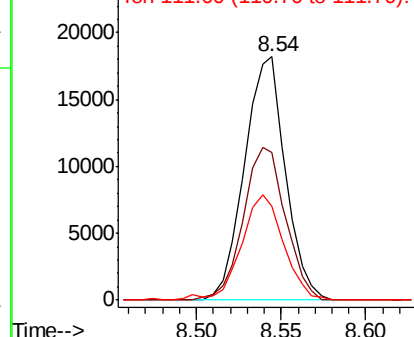


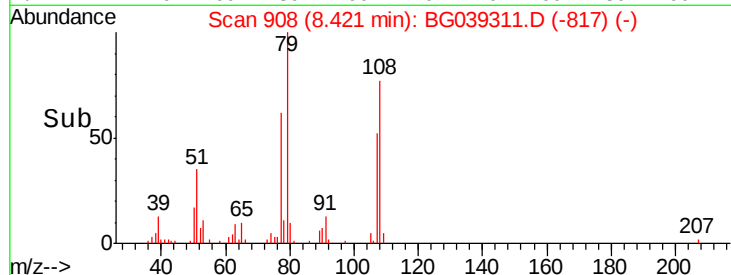
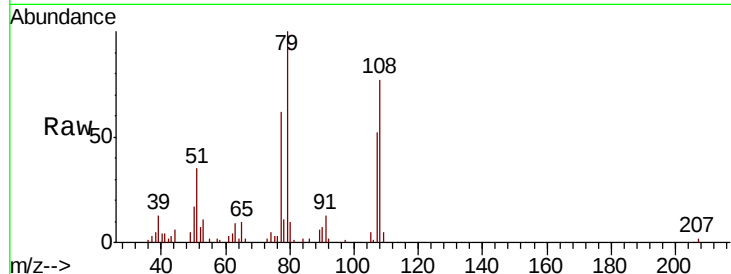
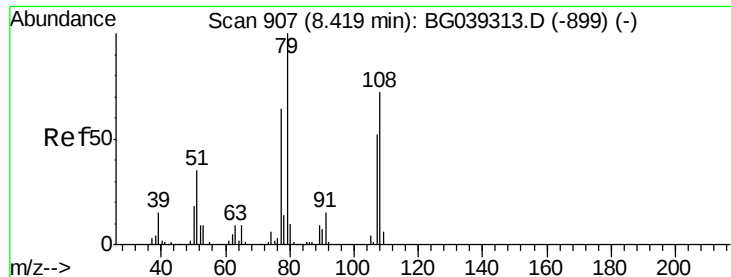
Abundance

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

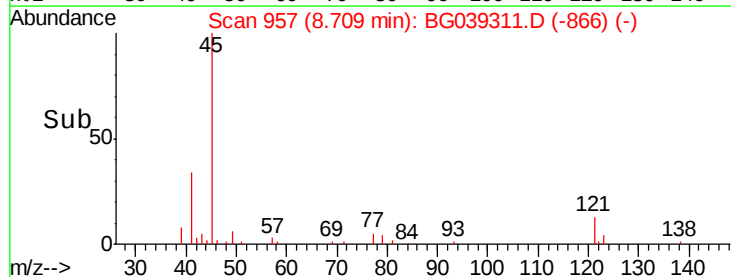
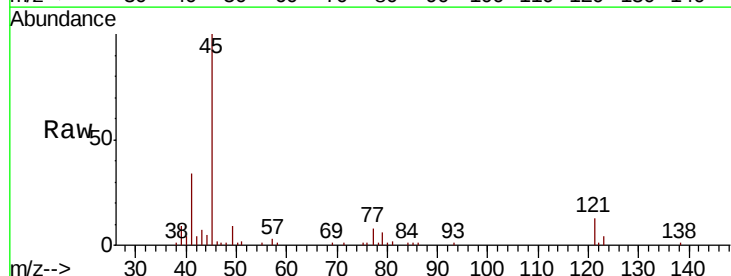
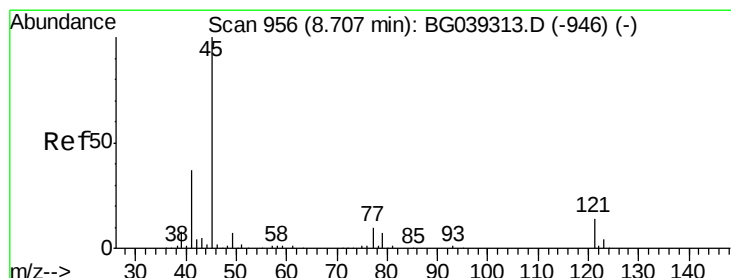
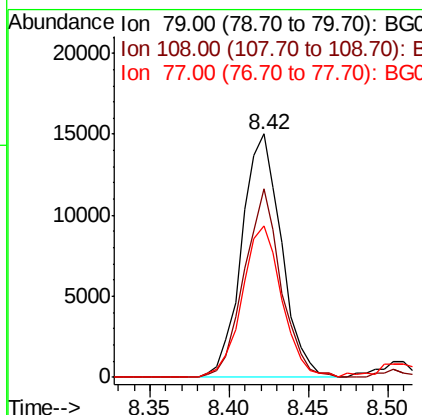




#15  
Benzyl Alcohol  
Concen: 11.966 ng  
RT: 8.42 min Scan# 908  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

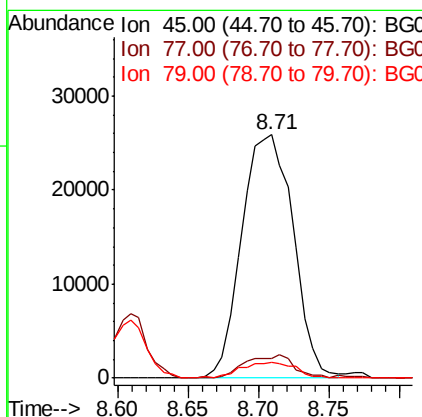
Instrument :  
BNA\_G  
ClientSampleId :

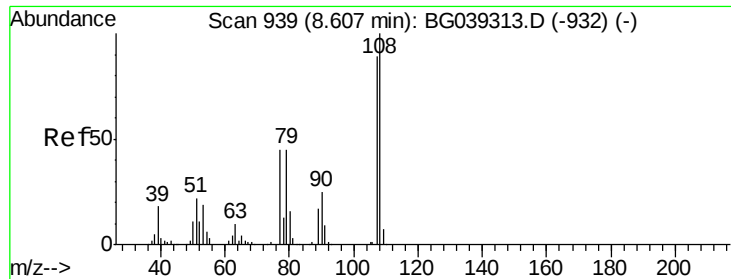
Tot Ion: 79 Resp: 26084  
Ion Ratio Lower Upper  
79 100  
108 77.5 57.8 86.6  
77 62.4 51.1 76.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 15.516 ng  
RT: 8.71 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion: 45 Resp: 65992  
Ion Ratio Lower Upper  
45 100  
77 8.1 0.0 30.0  
79 6.3 0.0 27.5

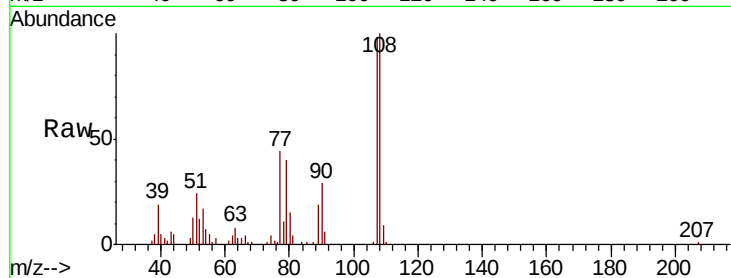




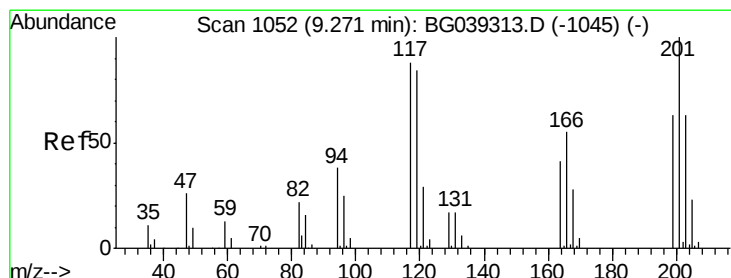
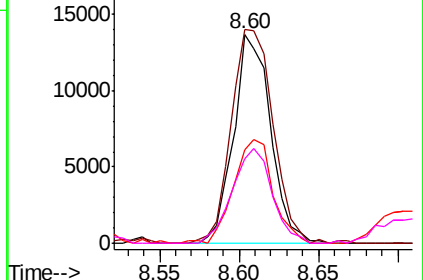
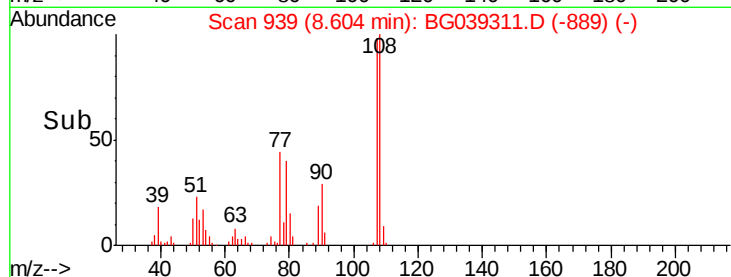
#17  
2-Methylphenol  
Concen: 11.023 ng  
RT: 8.60 min Scan# 939  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:107 Resp: 22213  
Ion Ratio Lower Upper  
107 100  
108 102.1 90.8 136.2  
77 44.6 40.7 61.1  
79 40.5 40.6 60.8#

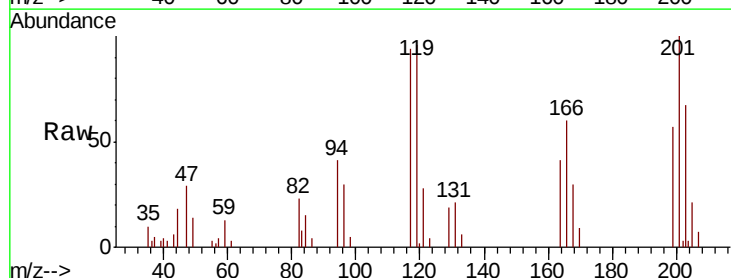


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

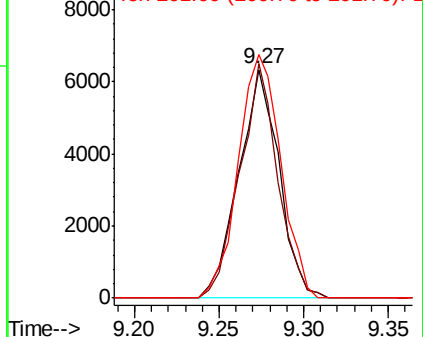
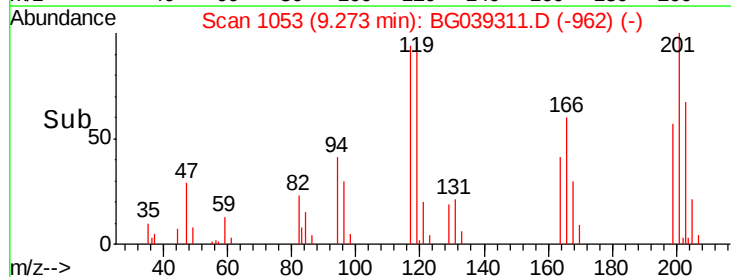


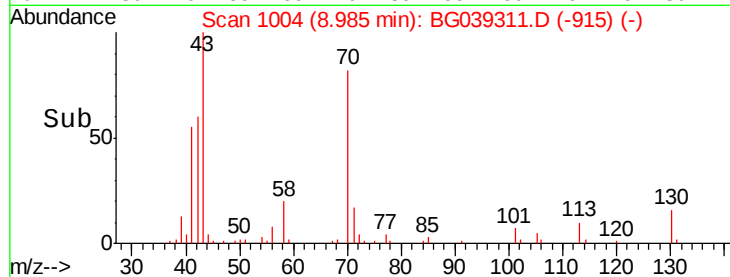
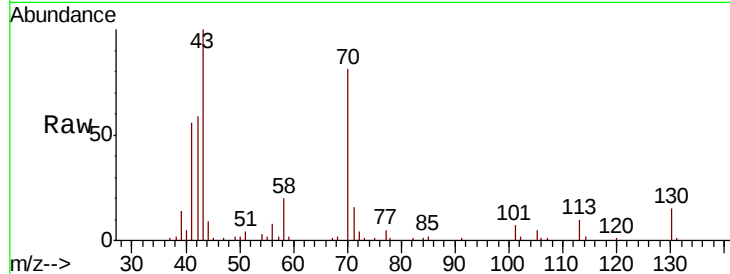
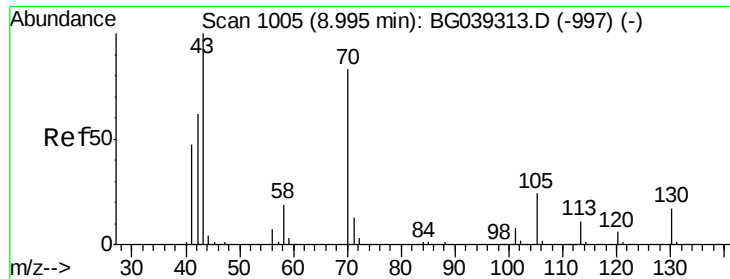
#18  
Hexachloroethane  
Concen: 10.767 ng  
RT: 9.27 min Scan# 1053  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:117 Resp: 10524  
Ion Ratio Lower Upper  
117 100  
119 102.6 76.3 114.5  
201 106.4 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

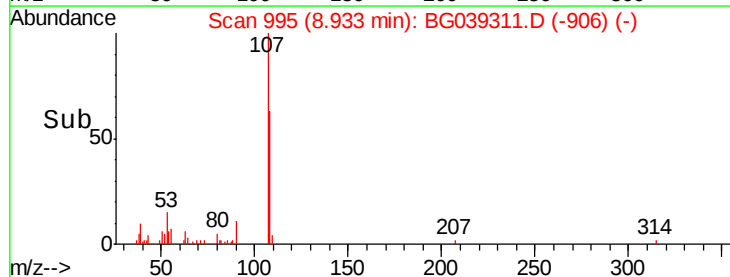
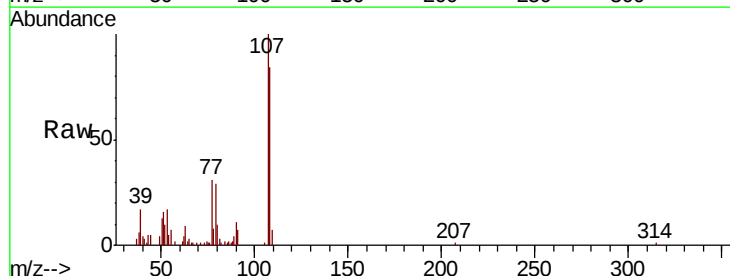
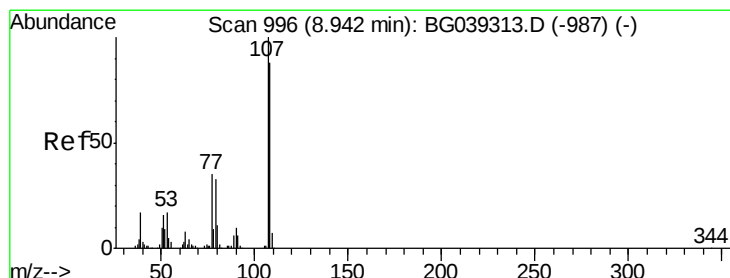
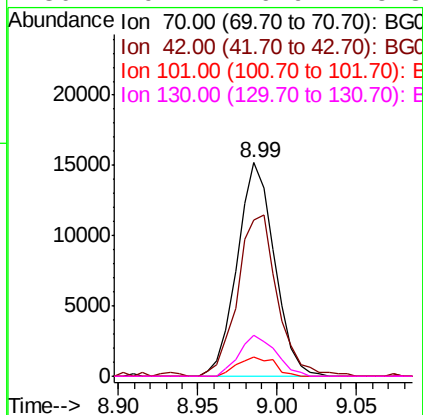




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.044 ng  
RT: 8.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

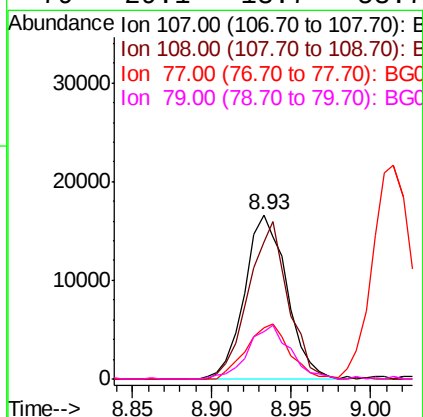
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 24794  
Ion Ratio Lower Upper  
70 100  
42 72.9 60.4 90.6  
101 9.0 7.5 11.3  
130 19.1 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 10.699 ng  
RT: 8.93 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:107 Resp: 30740  
Ion Ratio Lower Upper  
107 100  
108 83.5 67.9 107.9  
77 30.9 15.4 55.4  
79 29.1 13.7 53.7

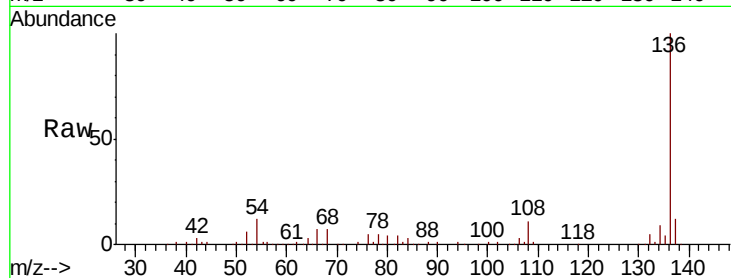




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.01 min Scan# 1348  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 171498   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.6  | 9.1 13.7 |
| 54          | 12.0  | 9.4 14.2 |
| 68          | 6.7   | 4.2 6.4# |



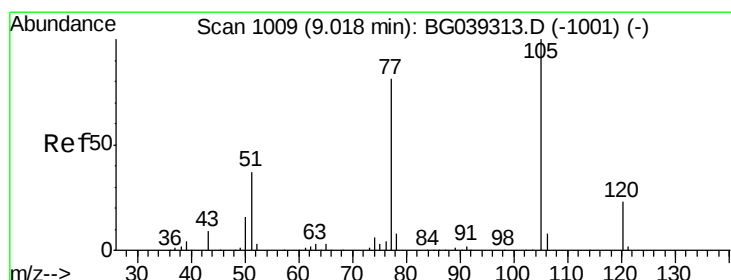
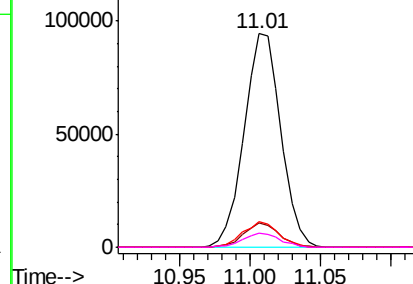
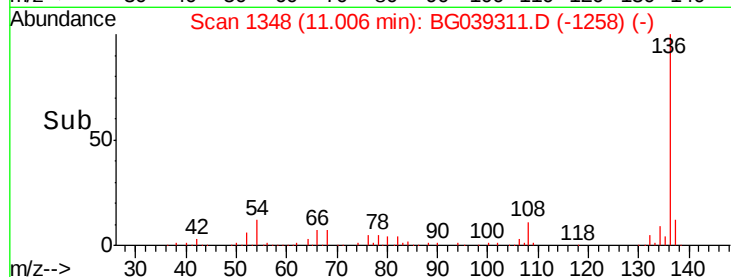
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

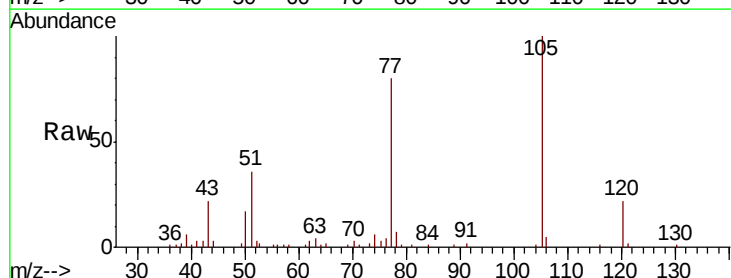
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 10.283 ng  
RT: 9.01 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 46053     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.1   | 0.8 1.2   |
| 51          | 36.1  | 30.2 45.2 |
| 120         | 21.6  | 18.0 27.0 |



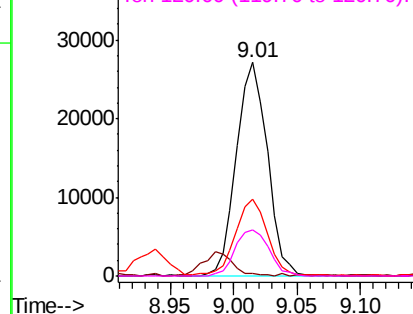
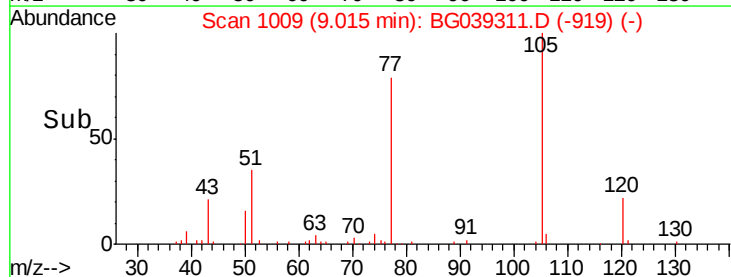
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

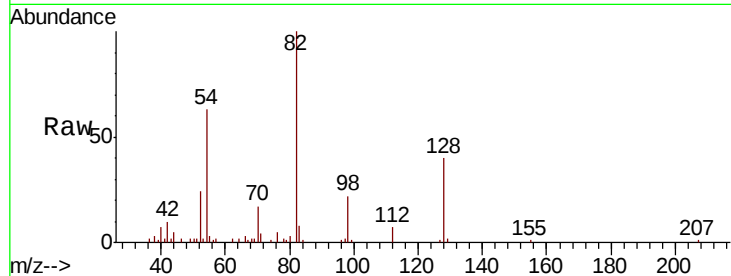




#23  
 Nitrobenzene-d5  
 Concen: 13.278 ng  
 RT: 9.36 min Scan# 1068  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82   | Resp  | 41614 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 40.2 | 31.3  | 46.9  |
| 54        | 63.0 | 50.9  | 76.3  |

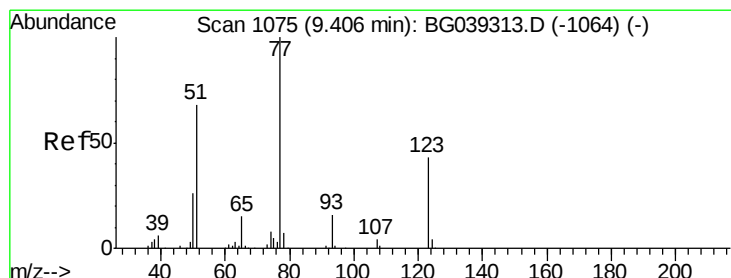
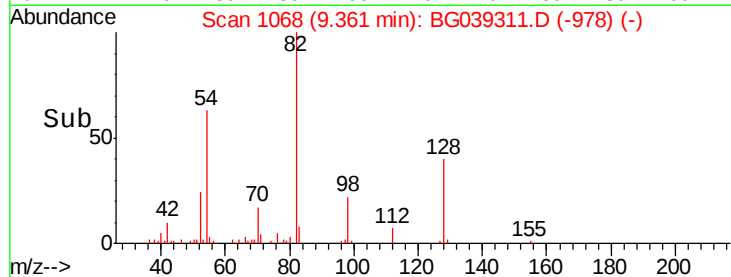
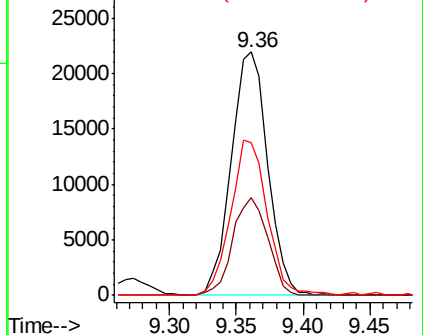


Abundance

Ion 82.00 (81.70 to 82.70): BGC

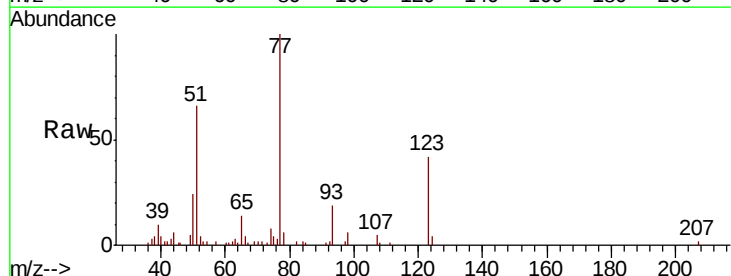
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24  
 Nitrobenzene  
 Concen: 7.481 ng  
 RT: 9.40 min Scan# 1075  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

| Tgt Ion   | 77   | Resp  | 23700 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 41.6 | 34.1  | 51.1  |
| 65        | 14.5 | 12.3  | 18.5  |

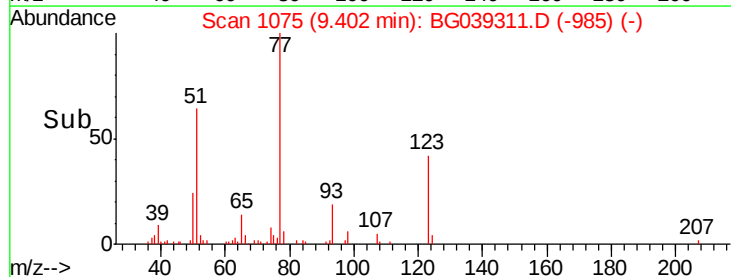
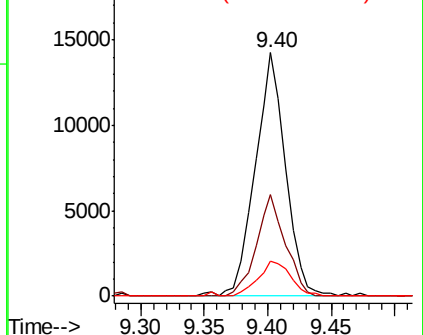


Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

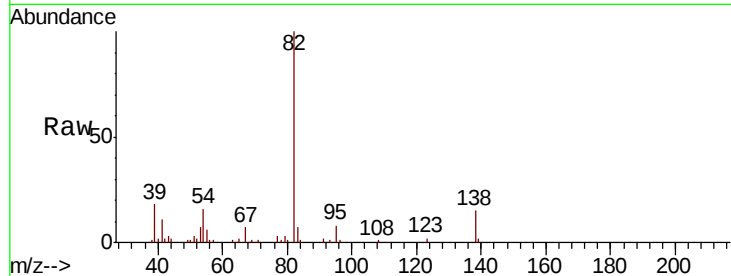




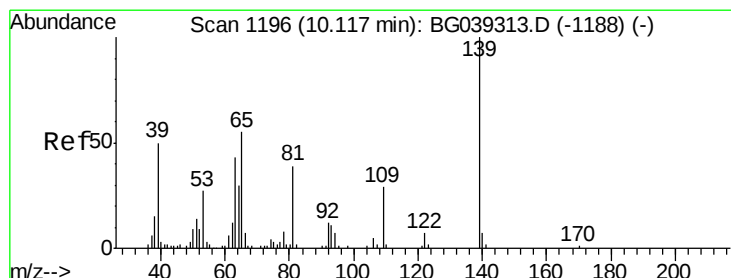
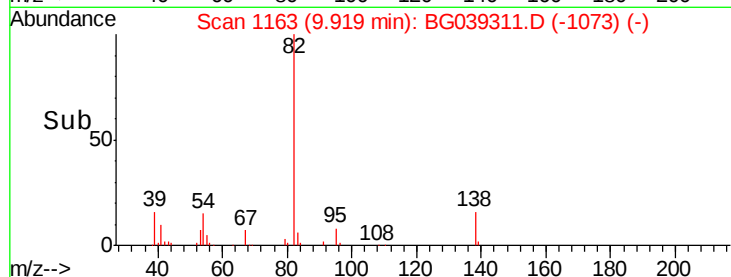
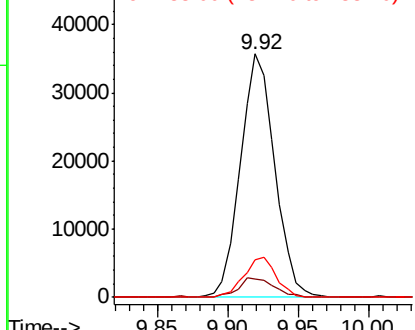
#25  
Isophorone  
Concen: 11.248 ng  
RT: 9.92 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 60725  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.2 9.2  
138 15.4 13.0 19.4

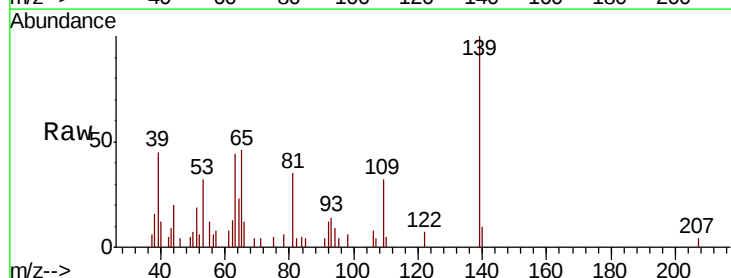


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

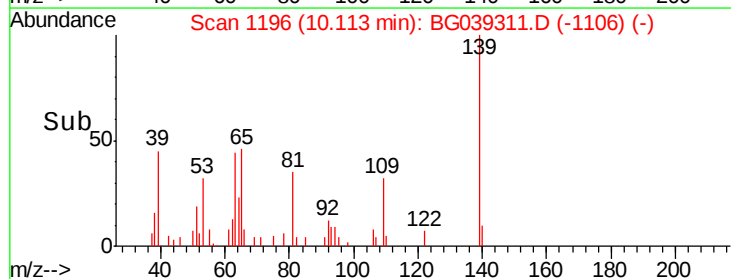
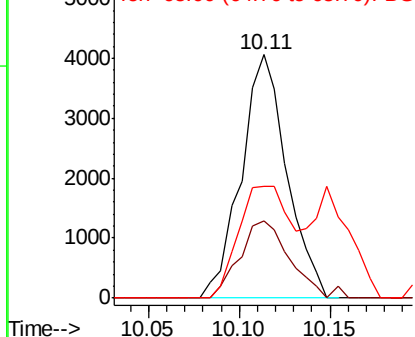


#26  
2-Nitrophenol  
Concen: 4.144 ng  
RT: 10.11 min Scan# 1196  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion: 139 Resp: 7101  
Ion Ratio Lower Upper  
139 100  
109 31.9 23.4 35.0  
65 45.8 44.3 66.5



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

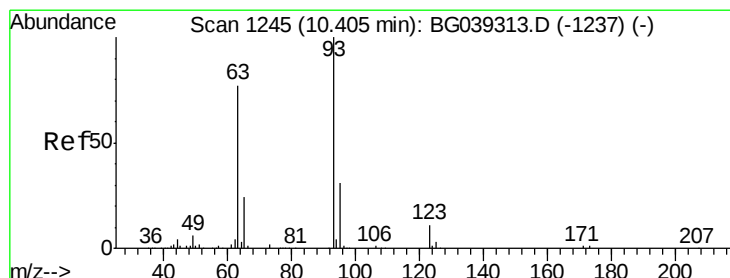
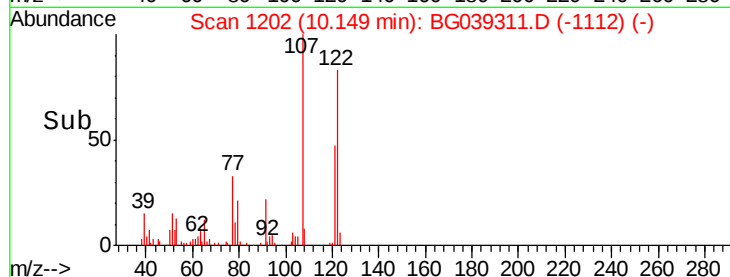
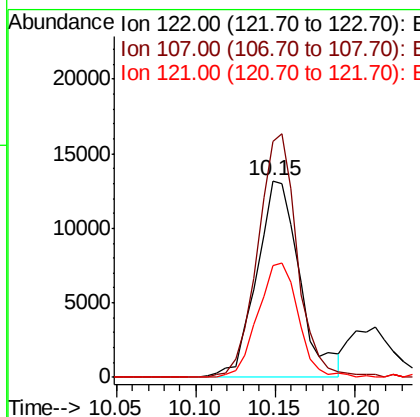
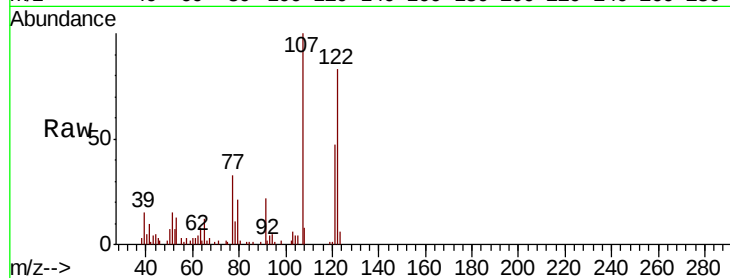




#27  
 2,4-Dimethylphenol  
 Concen: 10.302 ng  
 RT: 10.15 min Scan# 1202  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

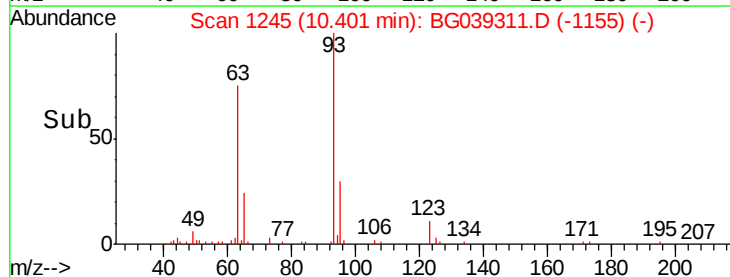
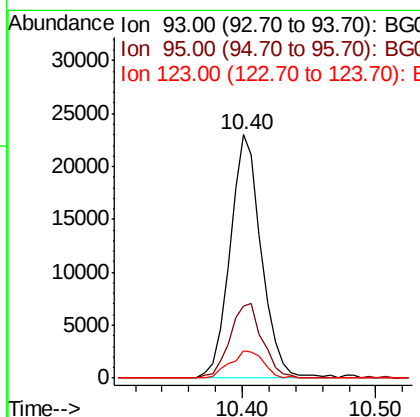
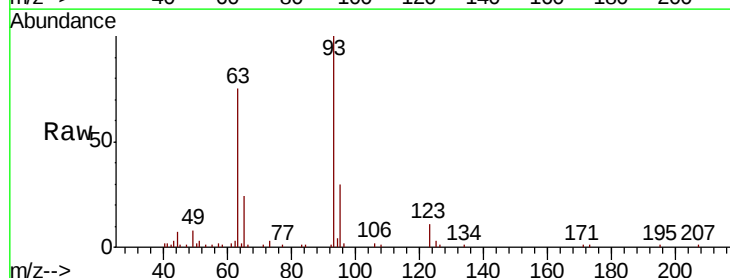
Instrument :  
 BNA\_G  
 ClientSampled :

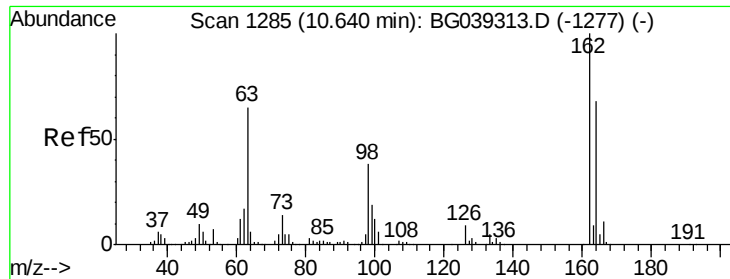
Tot Ion:122 Resp: 24834  
 Ion Ratio Lower Upper  
 122 100  
 107 120.2 91.7 137.5  
 121 56.9 46.4 69.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 11.563 ng  
 RT: 10.40 min Scan# 1245  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Tgt Ion: 93 Resp: 37517  
 Ion Ratio Lower Upper  
 93 100  
 95 29.5 25.0 37.4  
 123 11.3 8.6 12.8

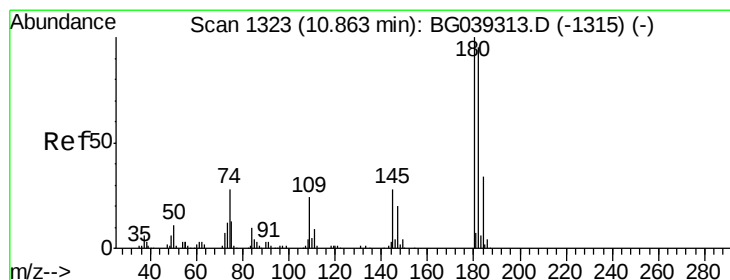
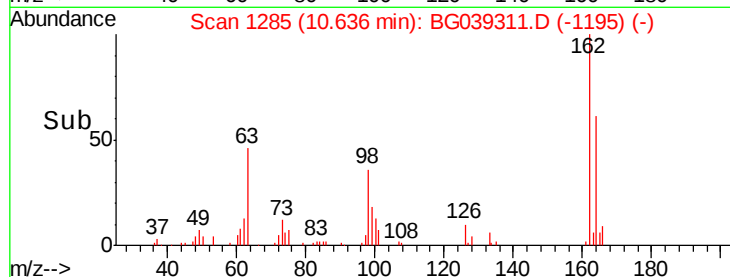
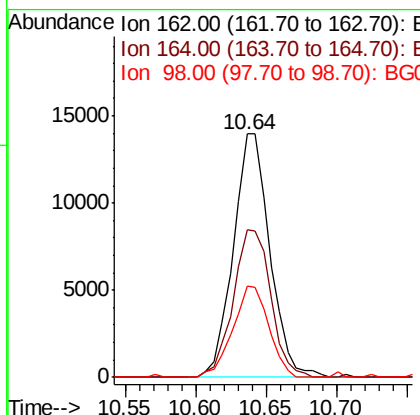
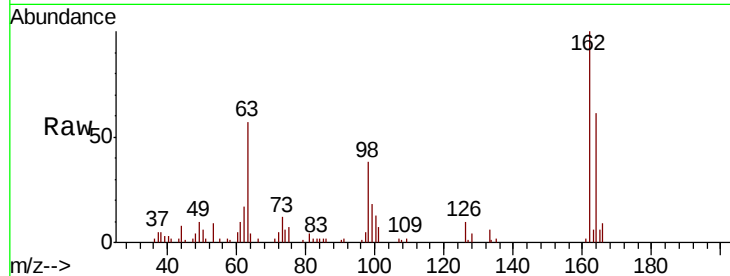




#29  
 2,4-Dichlorophenol  
 Concen: 8.422 ng  
 RT: 10.64 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

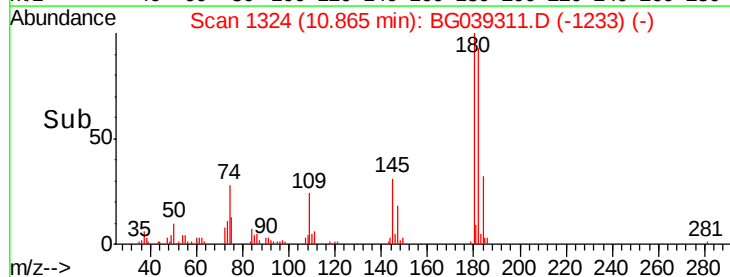
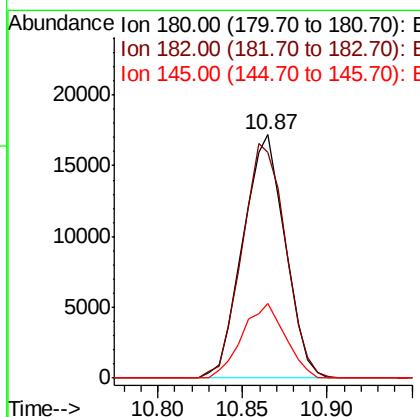
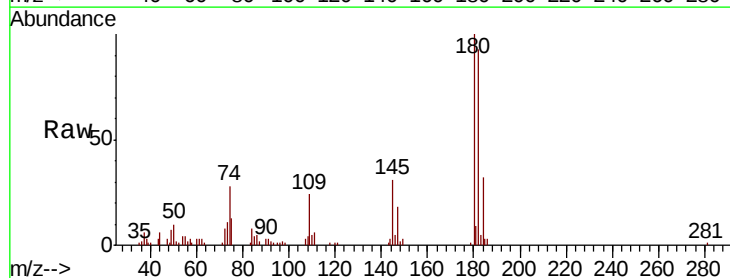
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 60.8  | 48.1  | 88.1  |
| 98      | 37.5  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 8.313 ng  
 RT: 10.87 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.7  | 76.0  | 114.0 |
| 145     | 30.7  | 22.7  | 34.1  |





#31

Naphthalene

Concen: 9.939 ng

RT: 11.06 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

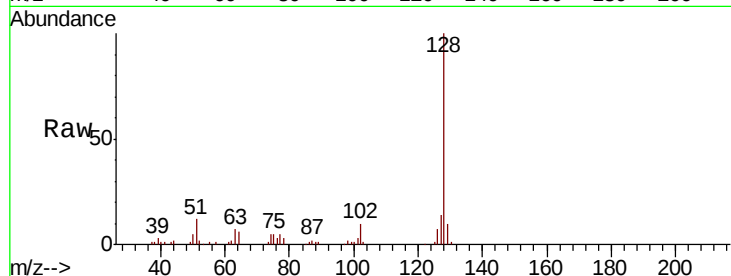
Tot Ion:128 Resp: 85491

Ion Ratio Lower Upper

128 100

129 9.9 8.7 13.1

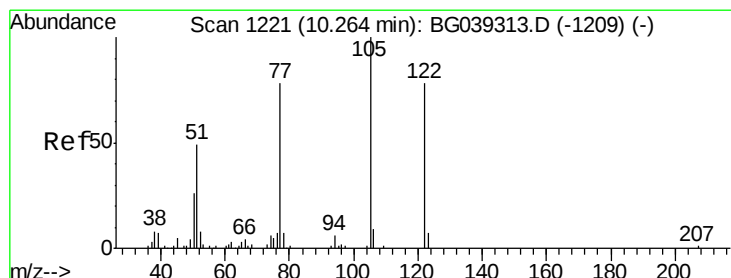
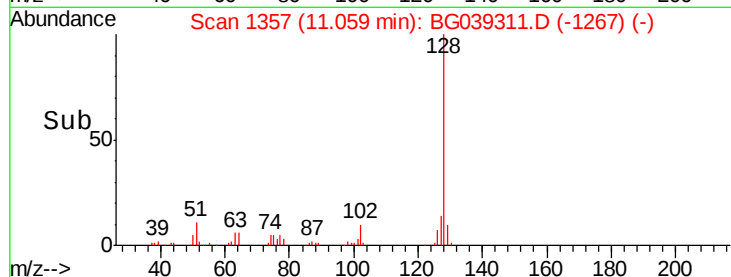
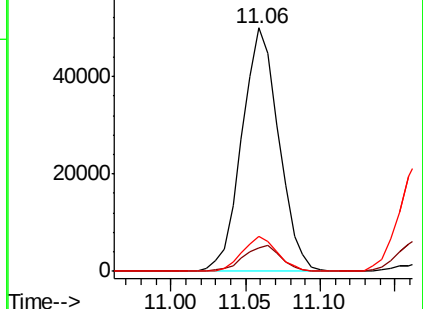
127 14.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.801 ng

RT: 10.21 min Scan# 1213

Delta R.T. -0.05 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

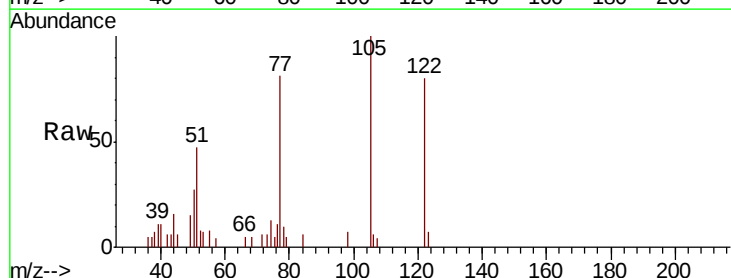
Tgt Ion:122 Resp: 7408

Ion Ratio Lower Upper

122 100

105 124.8 101.8 141.8

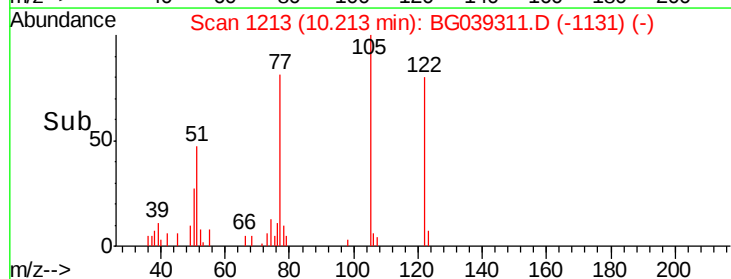
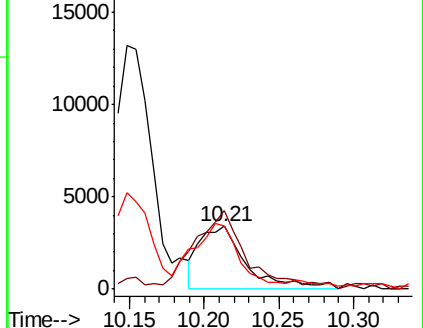
77 101.1 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

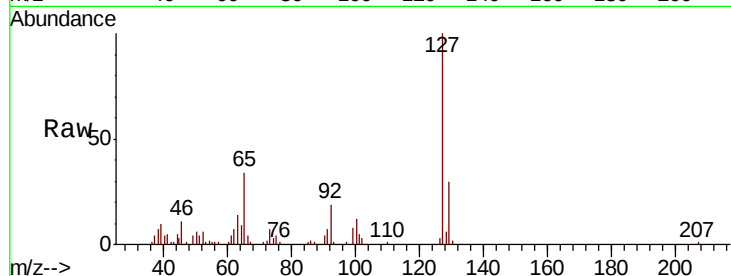




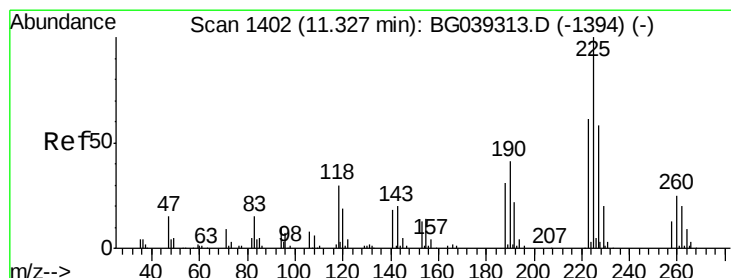
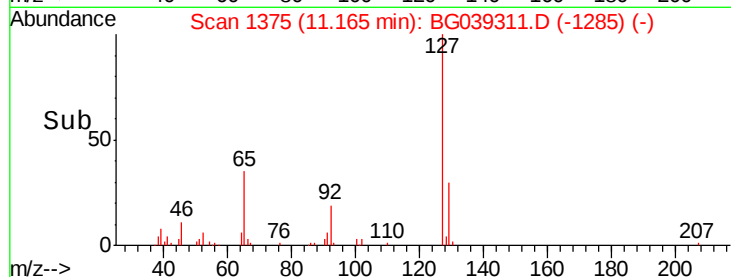
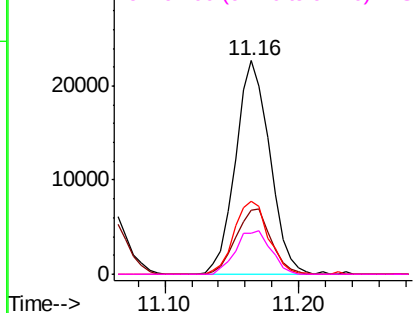
#33  
4-Chloroaniline  
Concen: 10.468 ng  
RT: 11.16 min Scan# 1375  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 40287 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 29.8  | 27.0  | 40.4  |
| 65       | 34.3  | 28.8  | 43.2  |
| 92       | 19.1  | 16.6  | 25.0  |

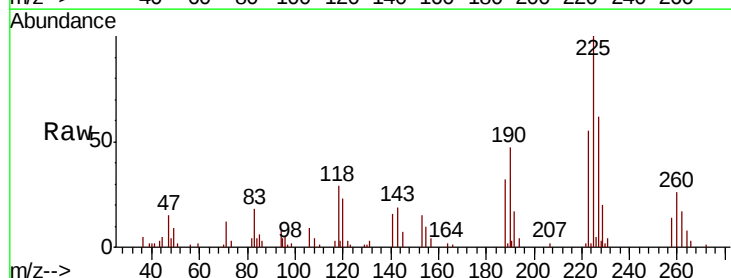


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

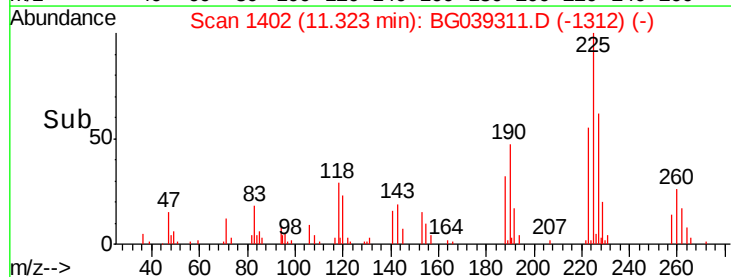
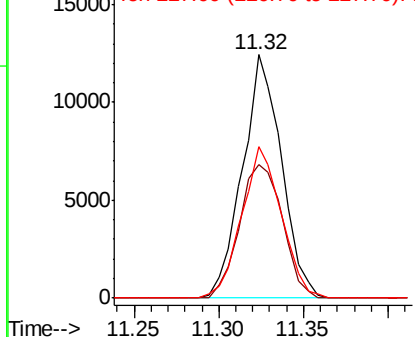


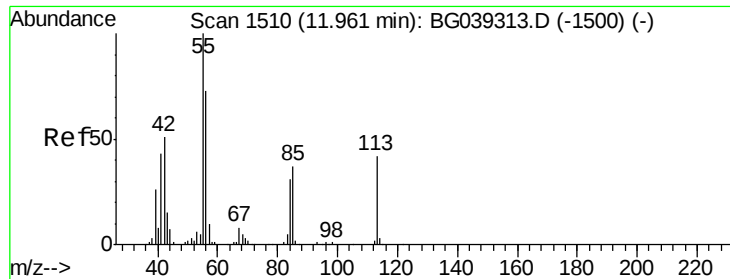
#34  
Hexachlorobutadiene  
Concen: 8.047 ng  
RT: 11.32 min Scan# 1402  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 19924 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 54.6  | 49.0  | 73.6  |
| 227      | 62.1  | 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

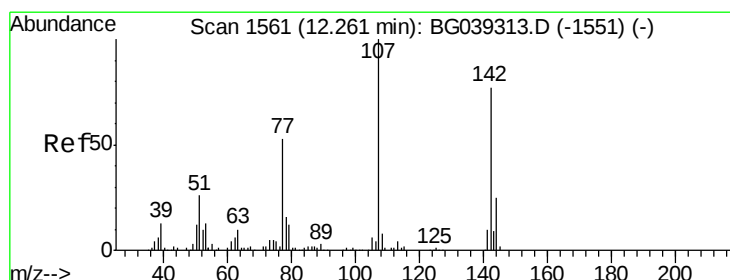
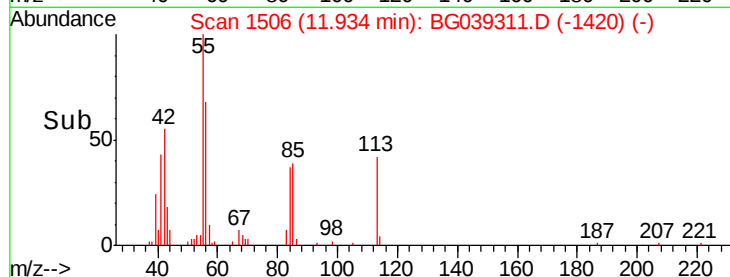
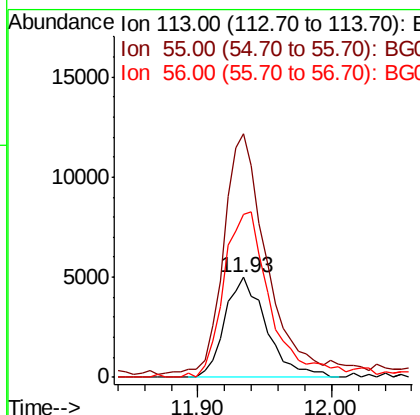
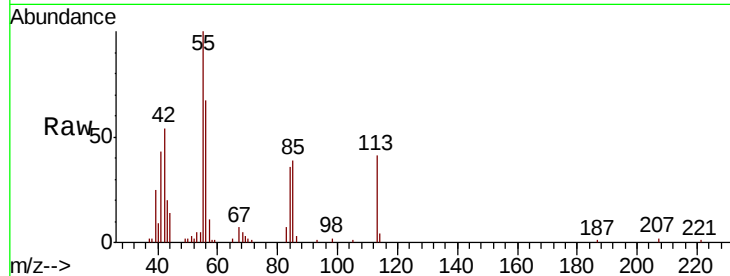




#35  
 Caprolactam  
 Concen: 8.986 ng  
 RT: 11.93 min Scan# 1506  
 Delta R.T. -0.03 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

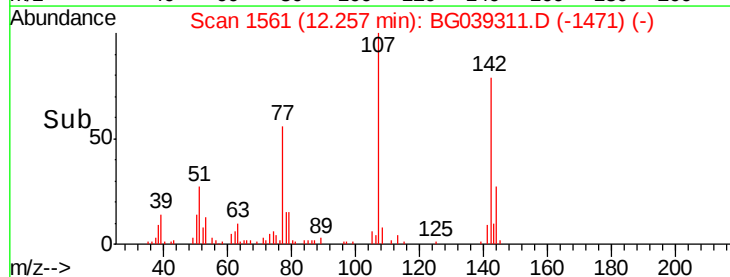
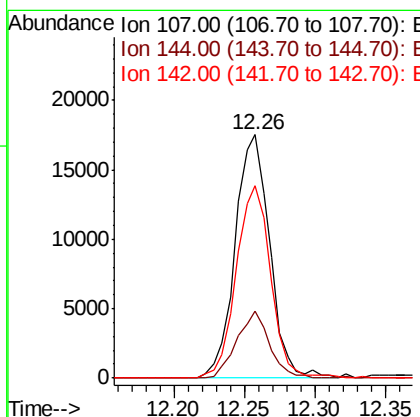
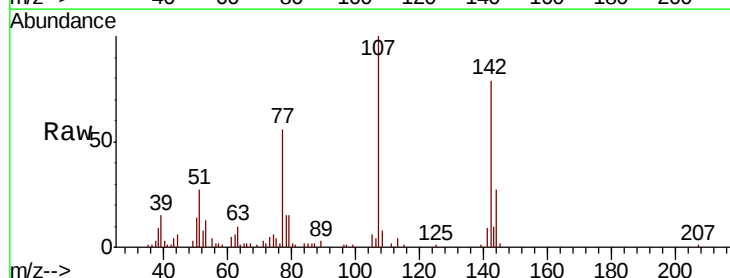
Instrument :  
 BNA\_G  
 ClientSampleId :

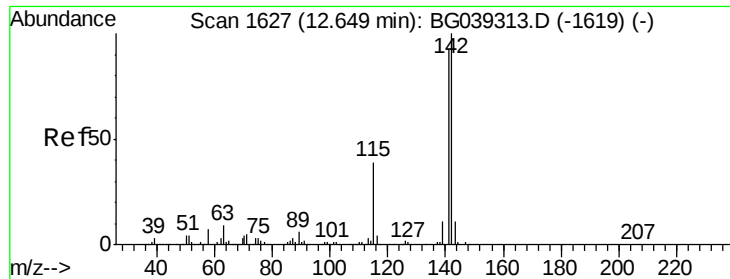
Tot Ion:113 Resp: 10792  
 Ion Ratio Lower Upper  
 113 100  
 55 243.2 216.9 256.9  
 56 162.7 152.6 192.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 9.350 ng  
 RT: 12.26 min Scan# 1561  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Tgt Ion:107 Resp: 29948  
 Ion Ratio Lower Upper  
 107 100  
 144 27.4 20.2 30.2  
 142 79.0 61.4 92.2

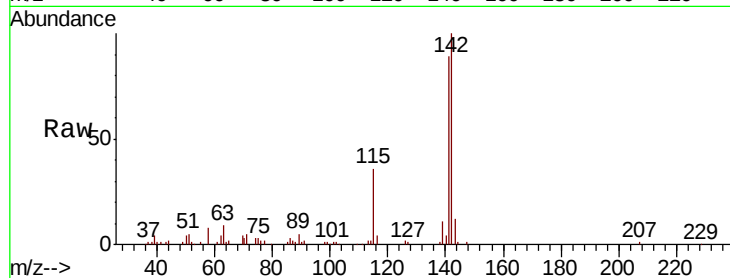




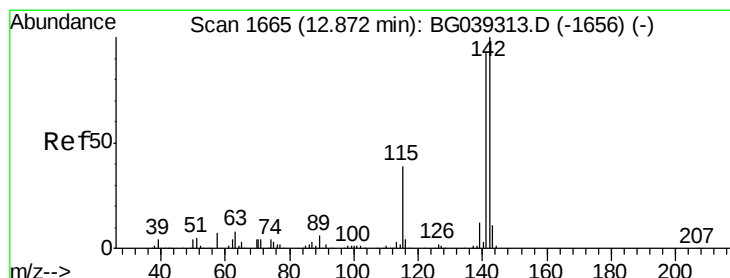
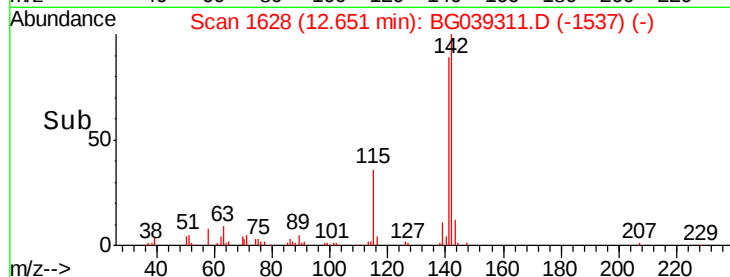
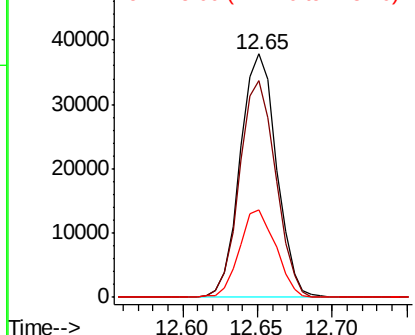
#37  
2-Methylnaphthalene  
Concen: 9.890 ng  
RT: 12.65 min Scan# 1628  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:142 Resp: 63779  
Ion Ratio Lower Upper  
142 100  
141 89.3 73.5 110.3  
115 36.0 30.8 46.2

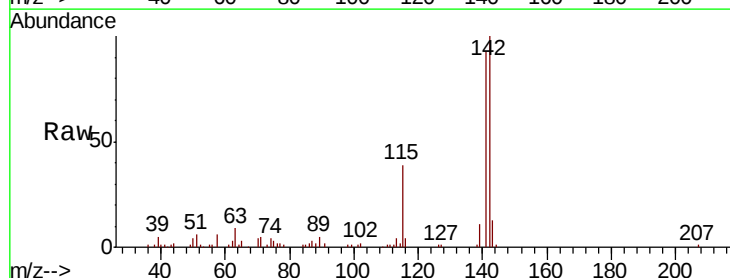


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

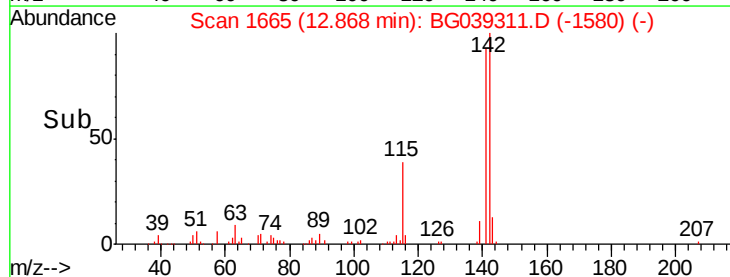
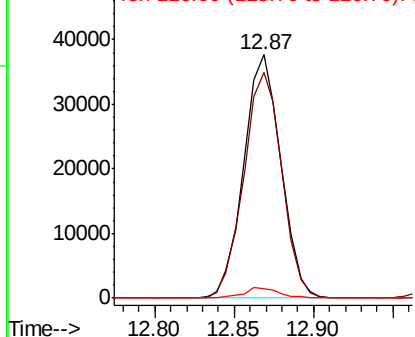


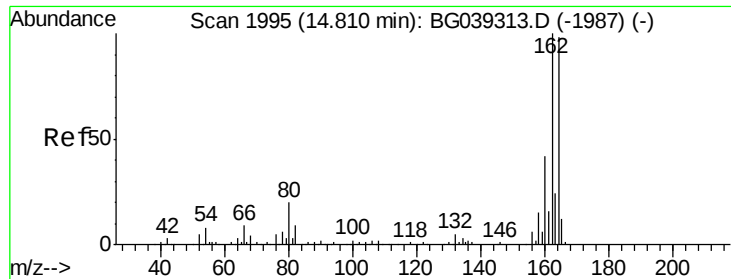
#38  
1-Methylnaphthalene  
Concen: 9.897 ng  
RT: 12.87 min Scan# 1665  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:142 Resp: 61258  
Ion Ratio Lower Upper  
142 100  
141 93.0 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: 14.81 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

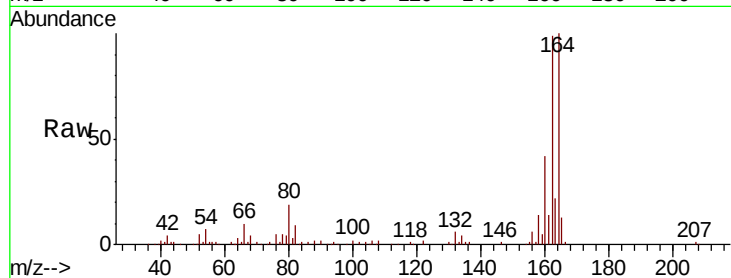
Tot Ion:164 Resp: 114076

Ion Ratio Lower Upper

164 100

162 98.5 81.6 122.4

160 42.0 34.2 51.2

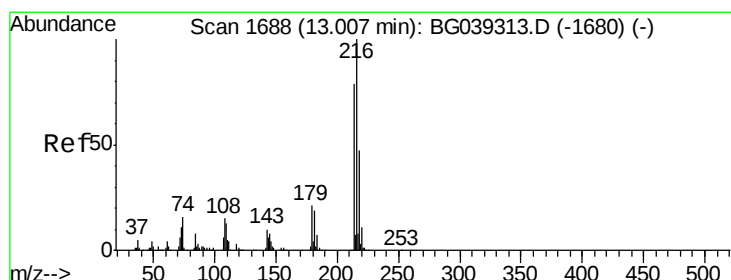
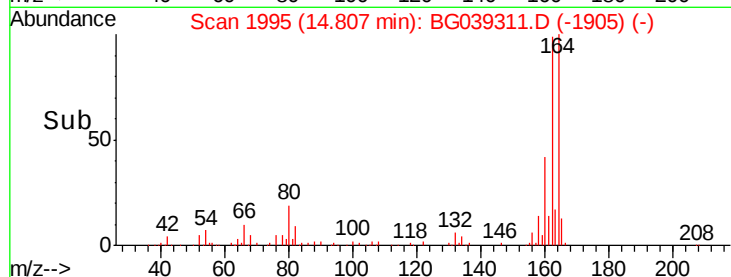
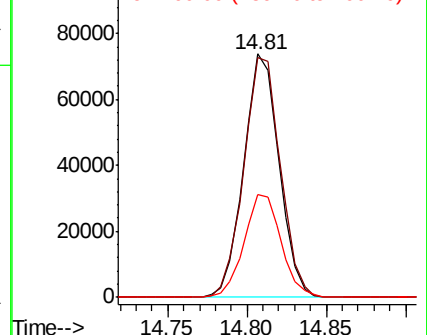


Abundance

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: 8.290 ng

RT: 13.00 min Scan# 1688

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Tgt Ion:216 Resp: 35514

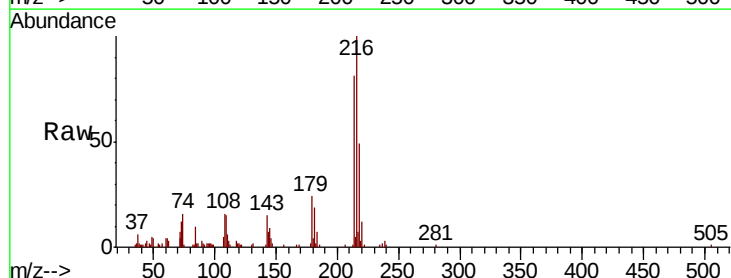
Ion Ratio Lower Upper

216 100

214 82.5 62.6 94.0

179 22.1 16.6 25.0

108 19.2 14.0 21.0



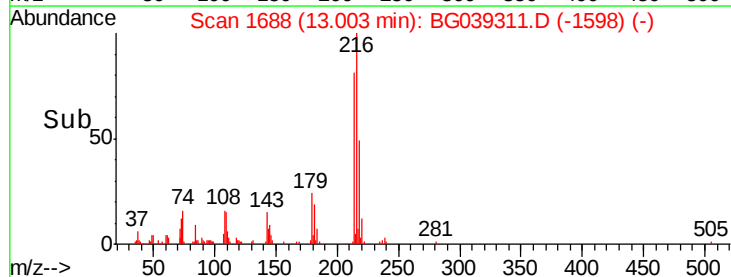
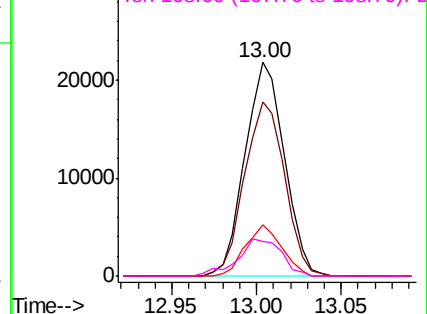
Abundance

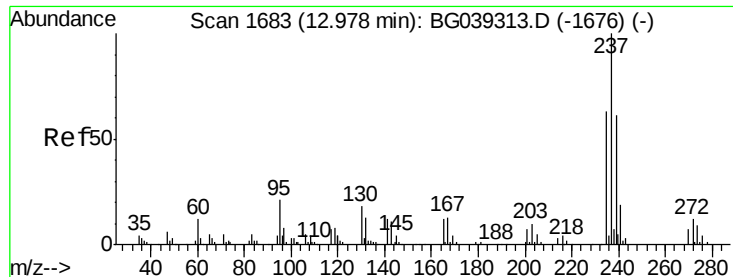
Ion 216.00 (215.70 to 216.70): E

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: 8.487 ng

RT: 12.98 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

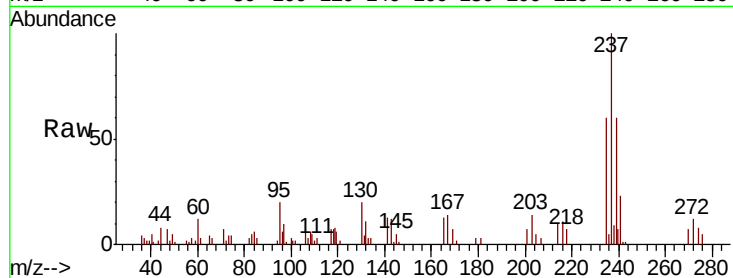
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:237 Resp: 17877

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 59.7  | 43.3  | 83.3  |
| 272 | 12.4  | 0.0   | 32.3  |

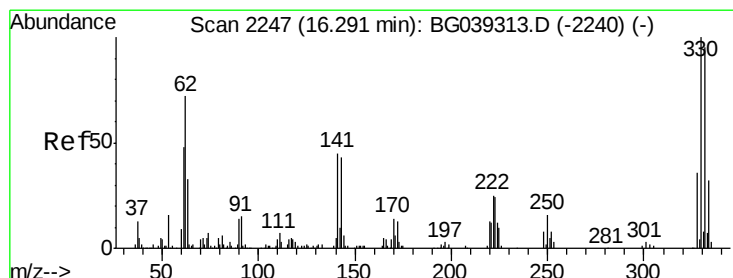
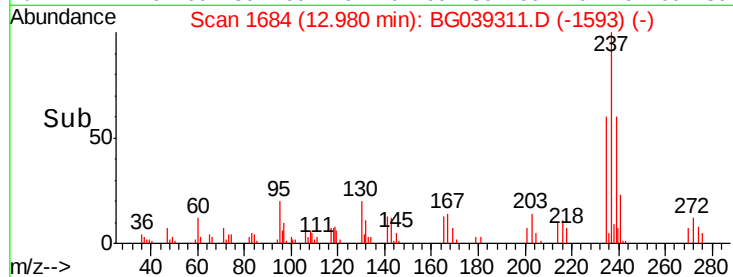
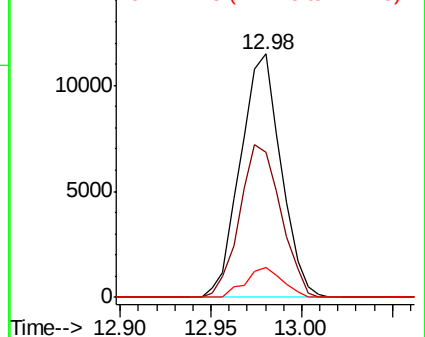


Abundance

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: 10.845 ng

RT: 16.29 min Scan# 2247

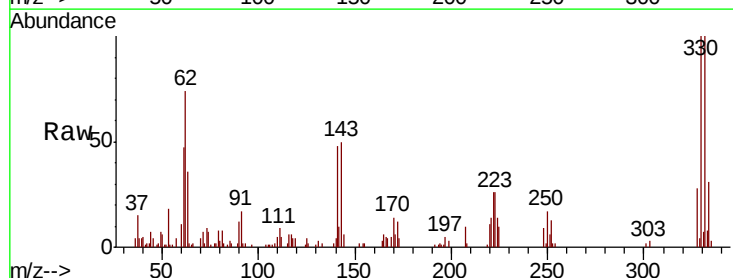
Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Tgt Ion:330 Resp: 20738

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 98.1  | 75.7  | 113.5 |
| 141 | 48.5  | 35.6  | 53.4  |

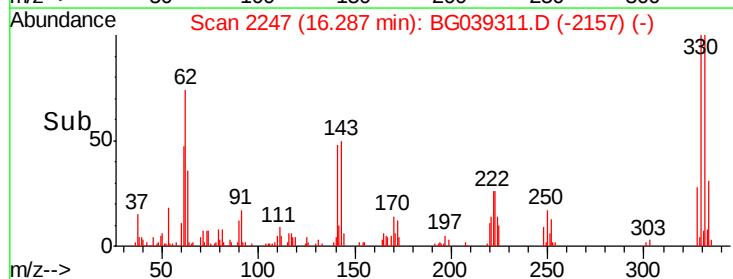
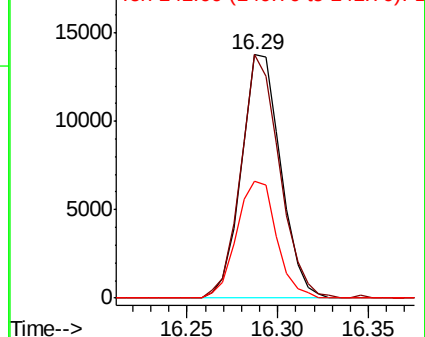


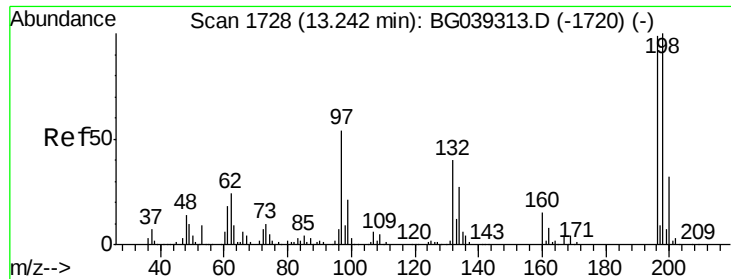
Abundance

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

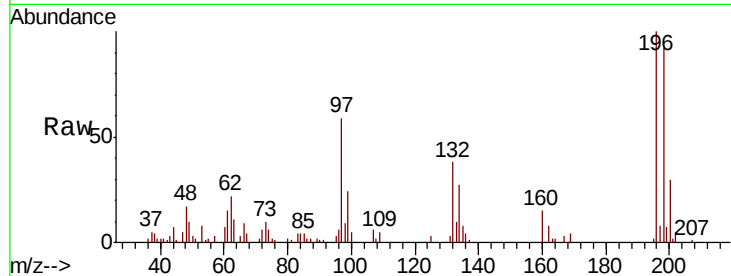




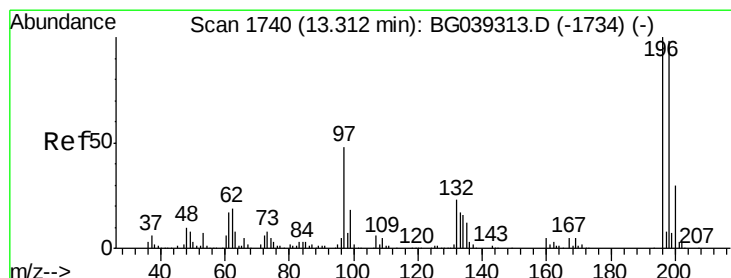
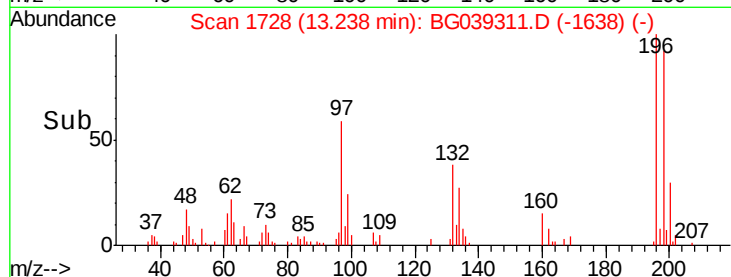
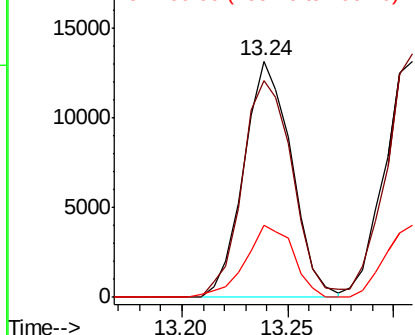
#43  
 2,4,6-Trichlorophenol  
 Concen: 7.644 ng  
 RT: 13.24 min Scan# 1728  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 20611  
 Ion Ratio Lower Upper  
 196 100  
 198 91.6 80.6 121.0  
 200 30.4 26.1 39.1

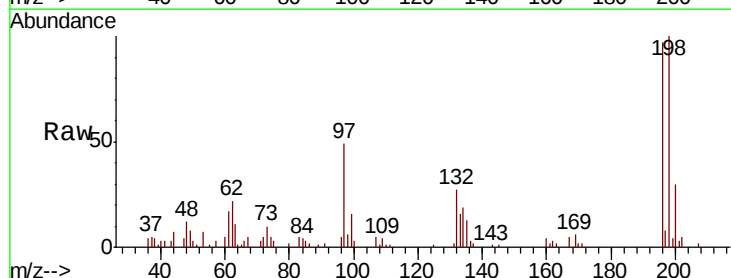


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

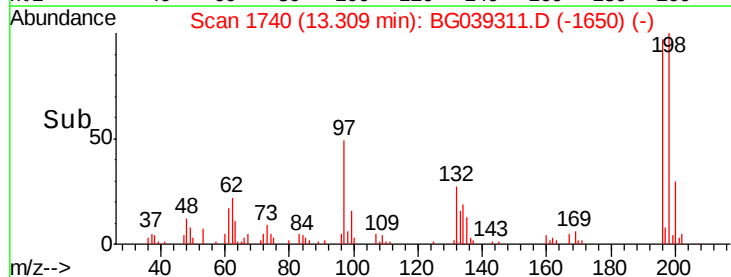
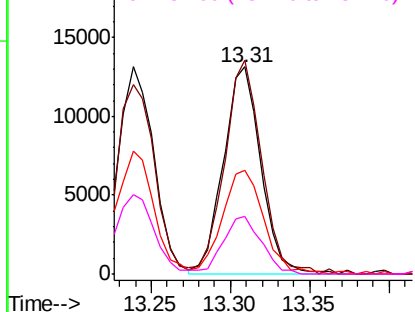


#44  
 2,4,5-Trichlorophenol  
 Concen: 7.546 ng  
 RT: 13.31 min Scan# 1740  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Tgt Ion:196 Resp: 21504  
 Ion Ratio Lower Upper  
 196 100  
 198 103.1 78.5 117.7  
 97 50.2 38.4 57.6  
 132 27.7 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

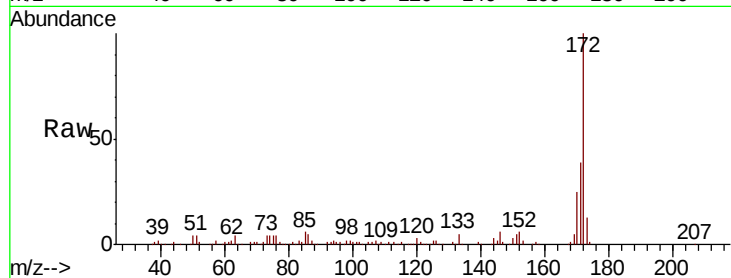




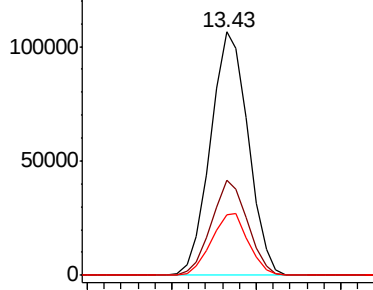
#45  
 2-Fluorobiphenyl  
 Concen: 19.822 ng  
 RT: 13.43 min Scan# 1761  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Instrument :  
 BNA\_G  
 ClientSampleId :

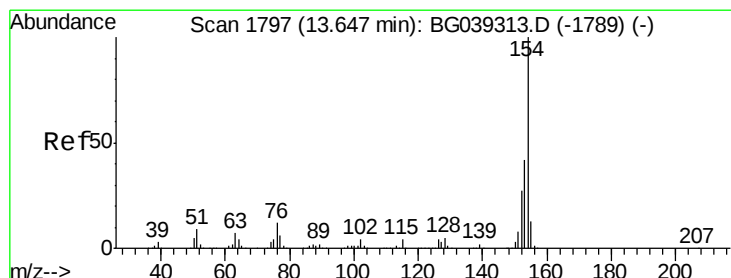
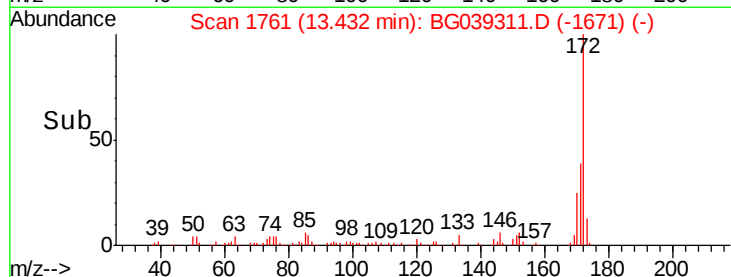
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.9  | 30.8  | 46.2  |
| 170     | 24.8  | 20.2  | 30.4  |



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

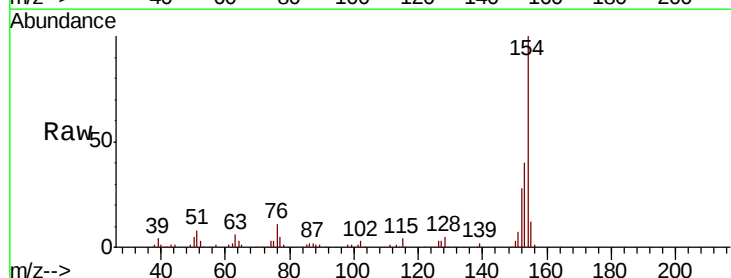


Time--> 13.35 13.40 13.45 13.50

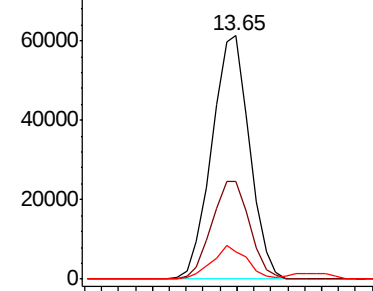


#46  
 1,1'-Biphenyl  
 Concen: 10.506 ng  
 RT: 13.65 min Scan# 1798  
 Delta R.T. 0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

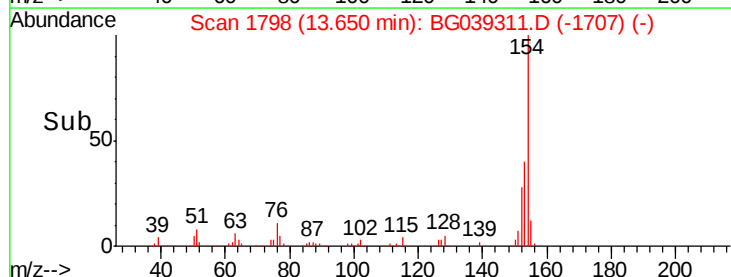
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.9  | 22.1  | 62.1  |
| 76      | 11.3  | 0.0   | 32.4  |

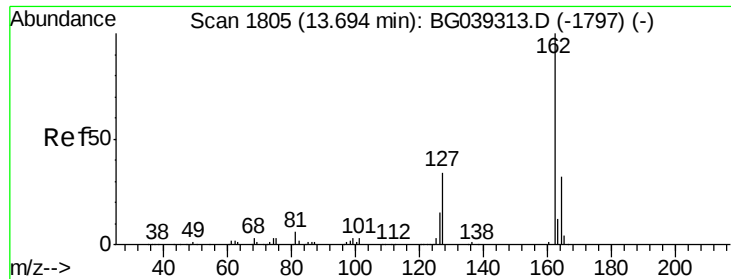


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BG



Time--> 13.60 13.65 13.70

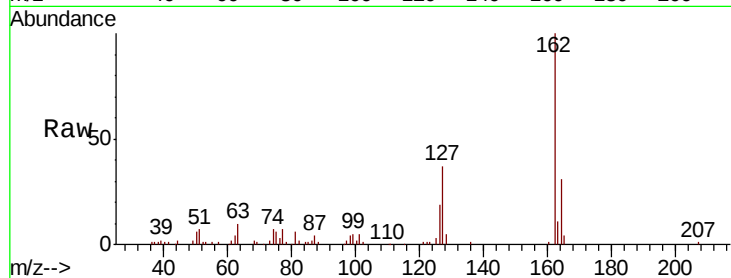




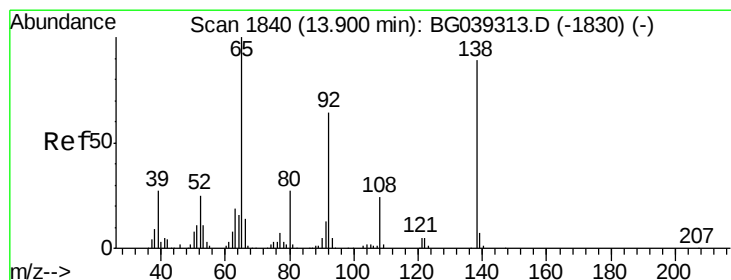
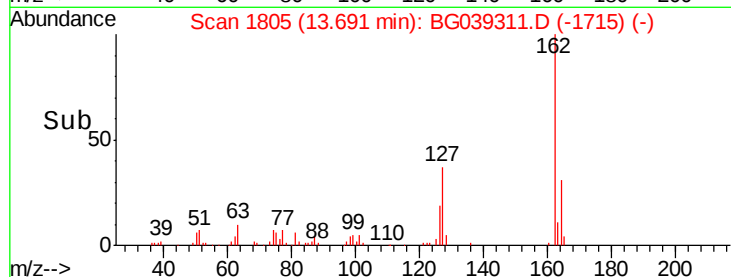
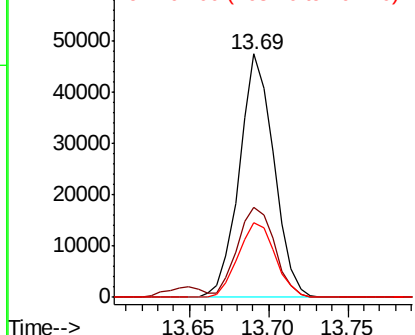
#47  
 2-Chloronaphthalene  
 Concen: 9.798 ng  
 RT: 13.69 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.0  | 31.0  | 46.6  |
| 164     | 30.7  | 25.7  | 38.5  |

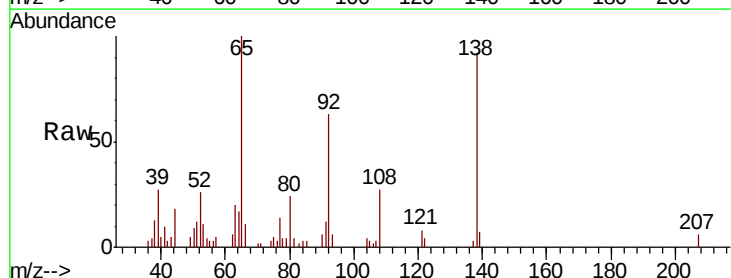


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

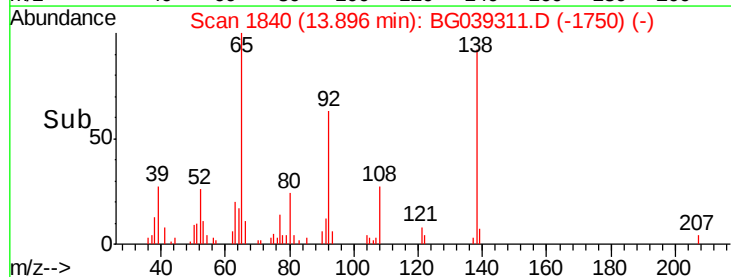
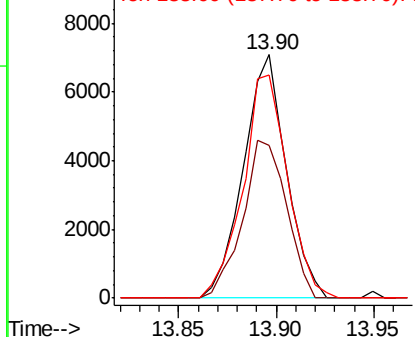


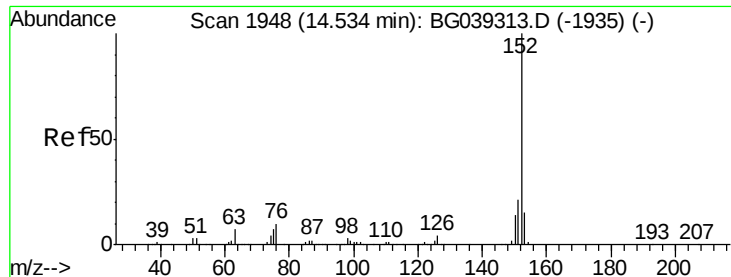
#48  
 2-Nitroaniline  
 Concen: 5.260 ng  
 RT: 13.90 min Scan# 1840  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 62.8  | 51.4  | 77.2  |
| 138     | 91.7  | 71.4  | 107.2 |



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





#49

Acenaphthylene

Concen: 10.098 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

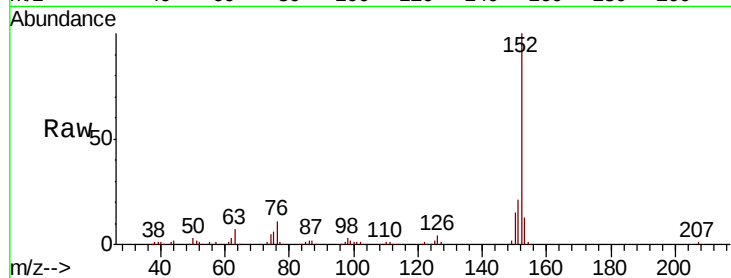
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:152 Resp: 111020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.8  | 16.8  | 25.2  |
| 153 | 12.9  | 11.7  | 17.5  |

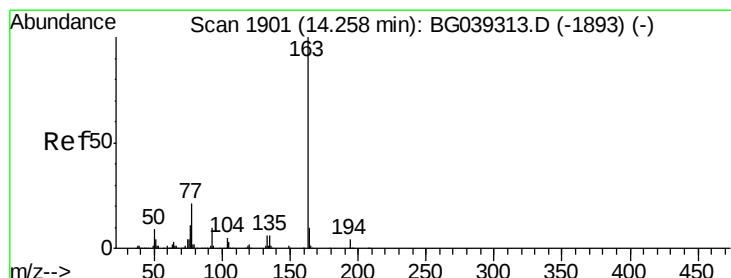
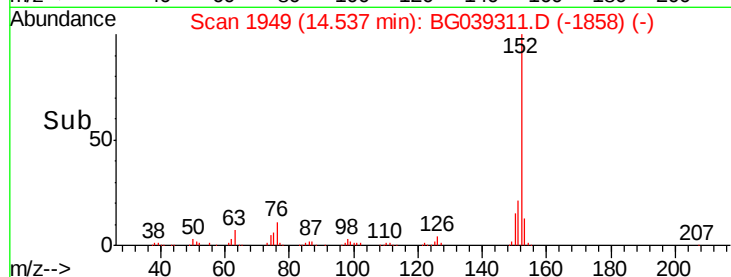
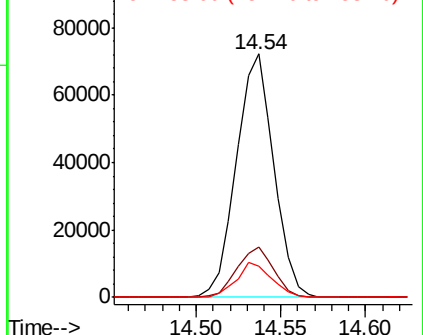


Abundance

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: 9.708 ng

RT: 14.25 min Scan# 1901

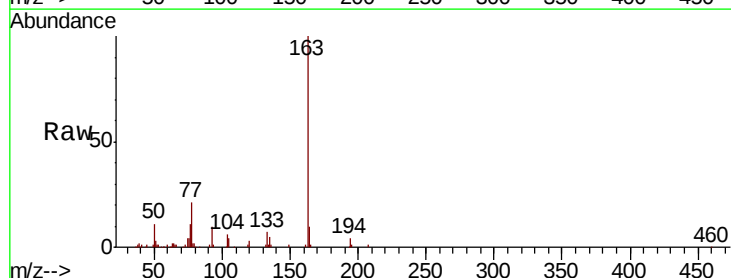
Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Tgt Ion:163 Resp: 93583

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.8   | 3.6   | 5.4   |
| 164 | 9.8   | 8.4   | 12.6  |

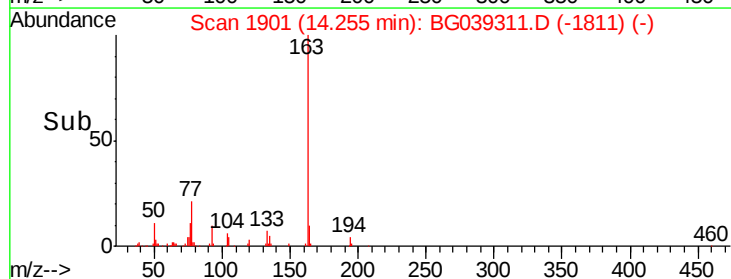
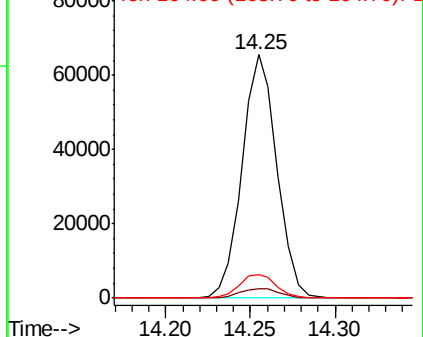


Abundance

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: 4.546 ng

RT: 14.38 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

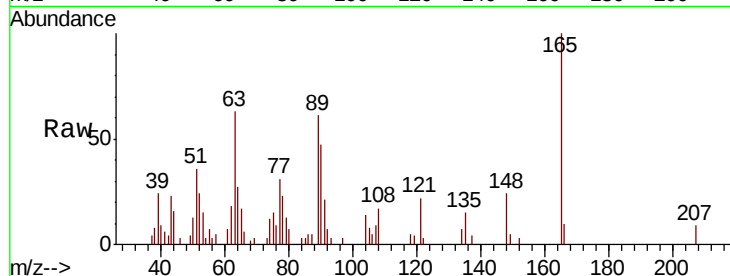
Tot Ion:165 Resp: 9797

Ion Ratio Lower Upper

165 100

63 63.5 47.0 70.6

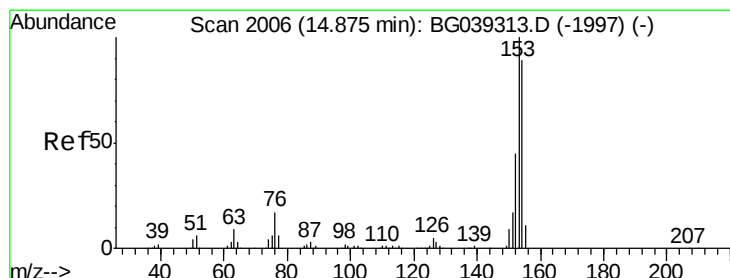
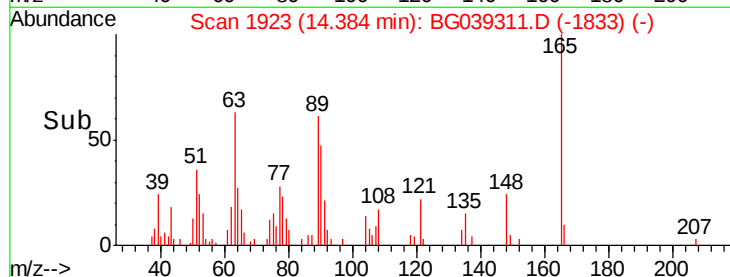
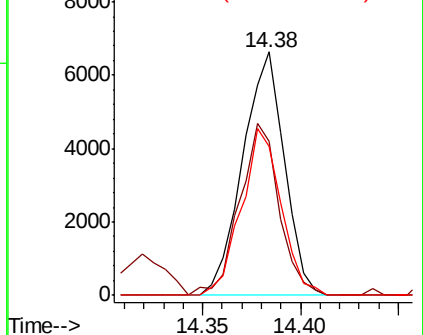
89 61.0 45.8 68.8



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: 10.546 ng

RT: 14.87 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

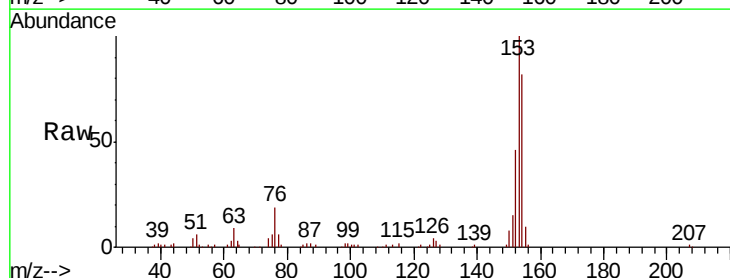
Tgt Ion:154 Resp: 69662

Ion Ratio Lower Upper

154 100

153 121.8 90.1 135.1

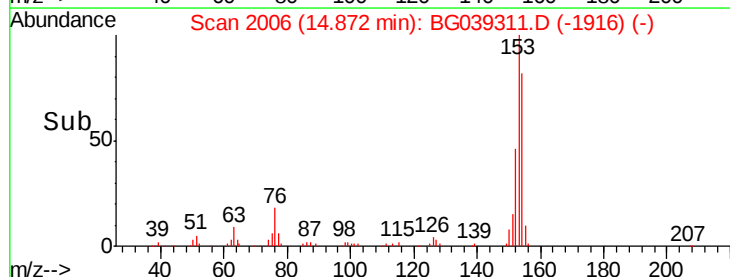
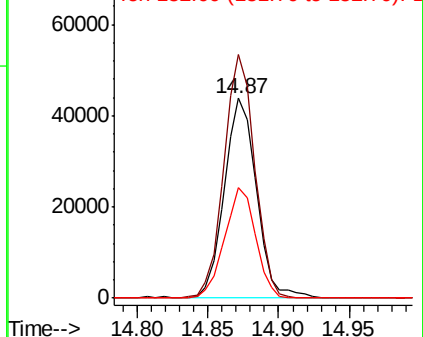
152 55.6 40.9 61.3

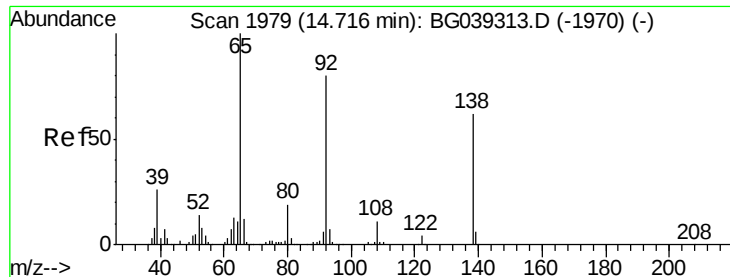


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

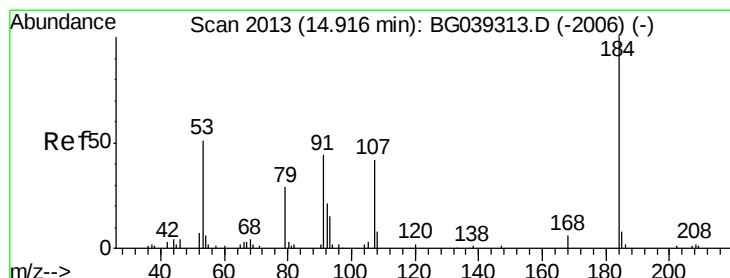
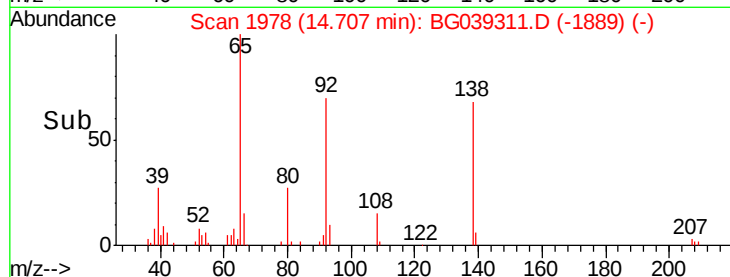
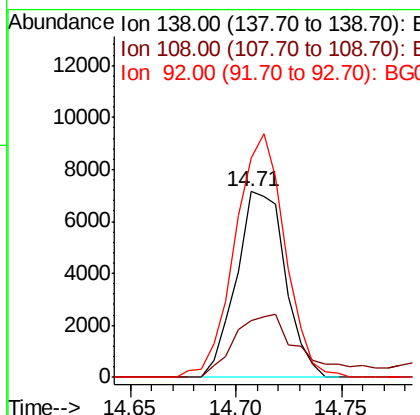
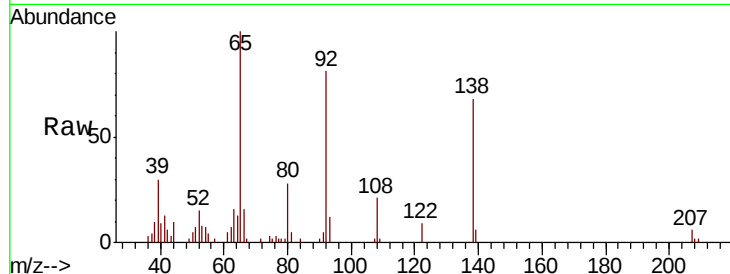




#53  
3-Nitroaniline  
Concen: 5.260 ng  
RT: 14.71 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

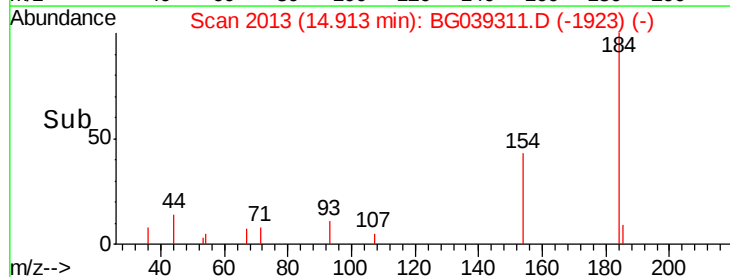
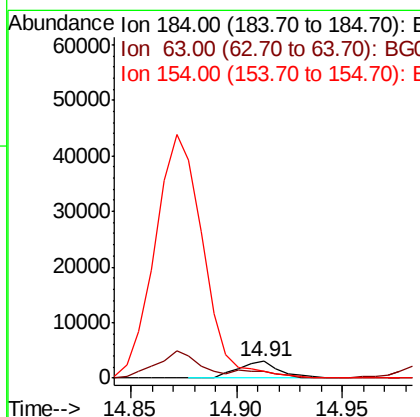
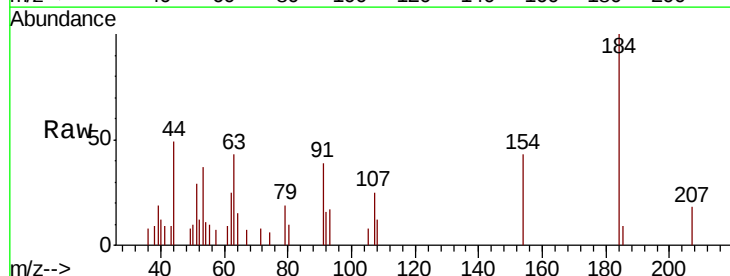
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:138 Resp: 11500  
Ion Ratio Lower Upper  
138 100  
108 30.6 13.8 20.8#  
92 118.1 103.7 155.5



#54  
2,4-Dinitrophenol  
Concen: 3.652 ng  
RT: 14.91 min Scan# 2013  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:184 Resp: 4068  
Ion Ratio Lower Upper  
184 100  
63 42.7 50.9 76.3#  
154 42.6 53.0 79.6#

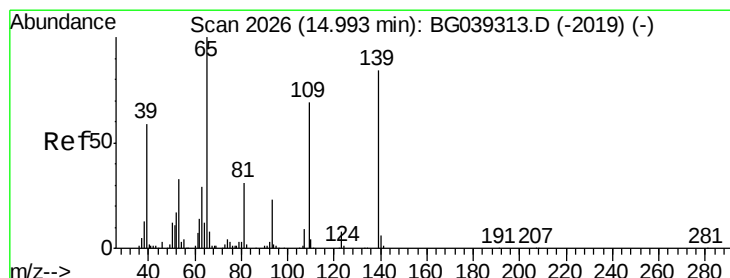
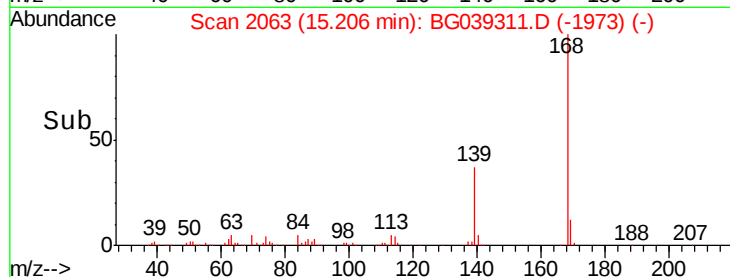
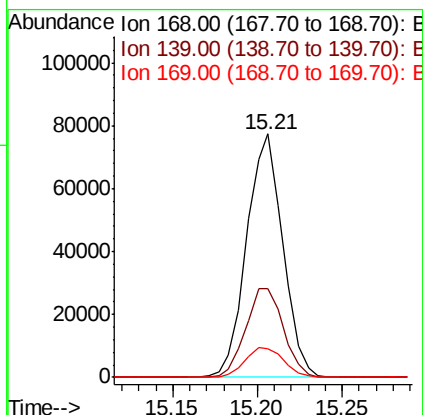
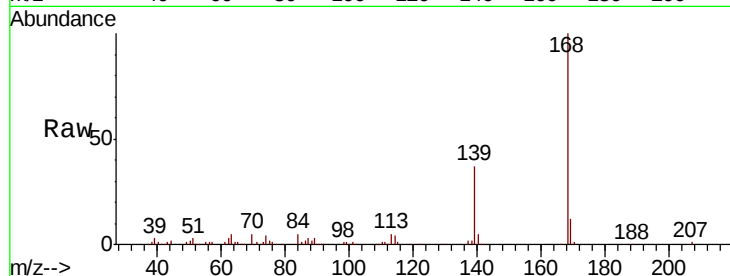




#55  
Dibenzofuran  
Concen: 9.826 ng  
RT: 15.21 min Scan# 2063  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

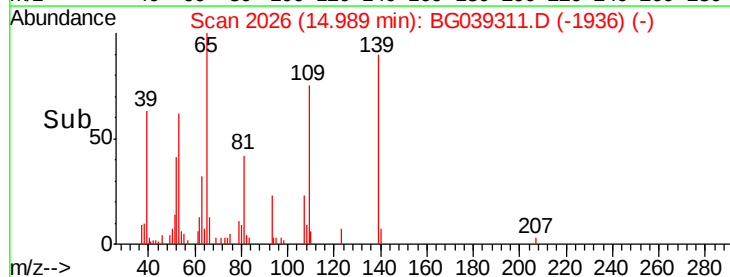
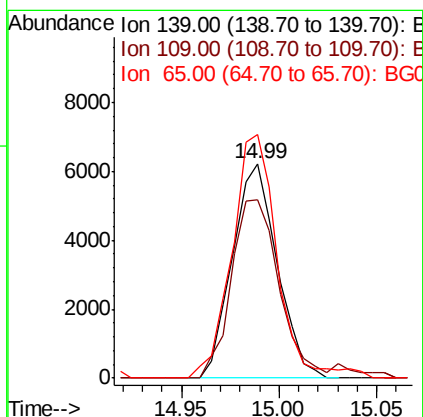
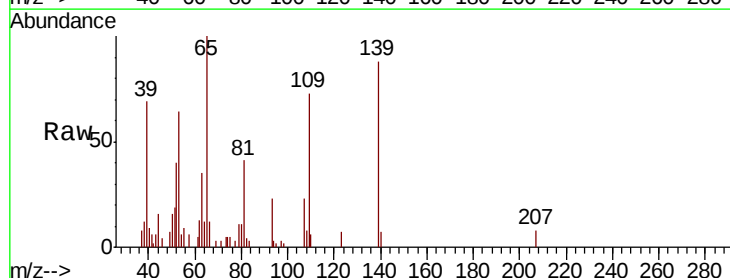
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:168 Resp: 114636  
Ion Ratio Lower Upper  
168 100  
139 36.6 30.1 45.1  
169 11.9 10.6 16.0



#56  
4-Nitrophenol  
Concen: 6.246 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:139 Resp: 9826  
Ion Ratio Lower Upper  
139 100  
109 83.0 61.9 101.9  
65 113.6 99.1 139.1

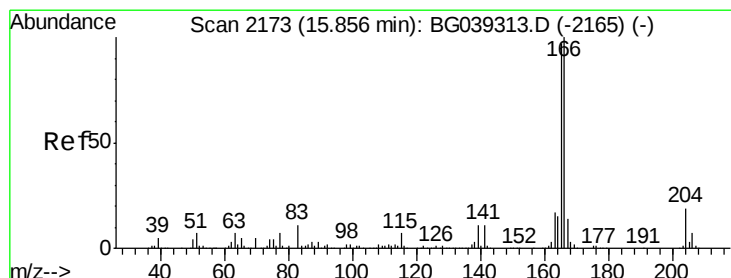
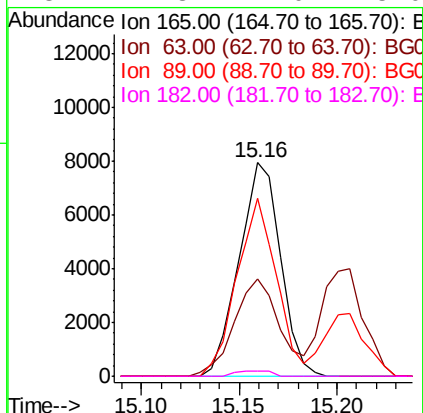
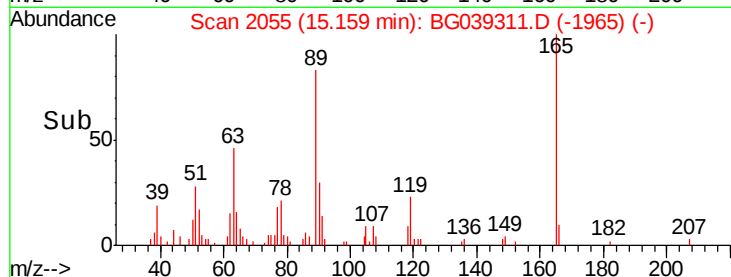
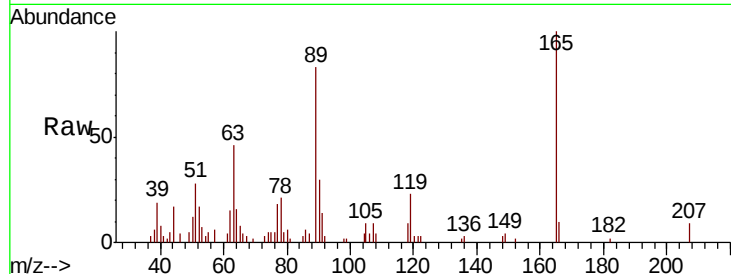




#57  
 2,4-Dinitrotoluene  
 Concen: 3.773 ng  
 RT: 15.16 min Scan# 2055  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

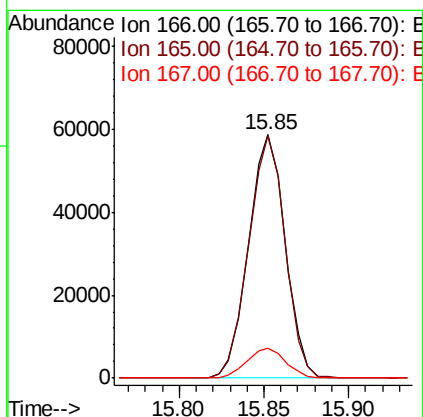
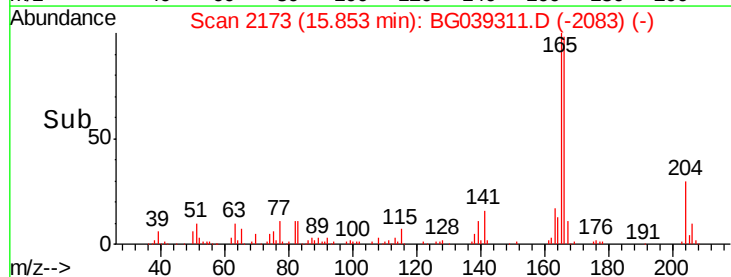
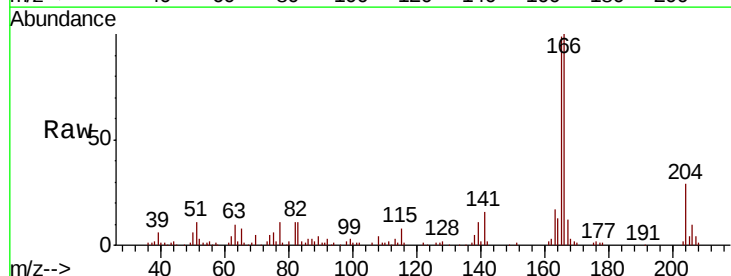
Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 11666 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 45.7  | 41.0  | 61.6  |
| 89       | 83.2  | 64.6  | 96.8  |
| 182      | 2.3   | 2.0   | 3.0   |



#58  
 Fluorene  
 Concen: 10.049 ng  
 RT: 15.85 min Scan# 2173  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 88250 |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.3  | 77.9  | 116.9 |
| 167      | 12.1  | 10.8  | 16.2  |

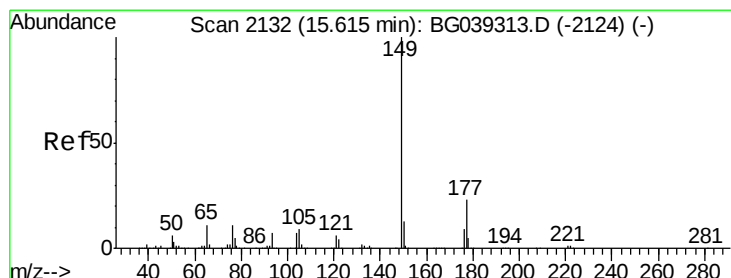
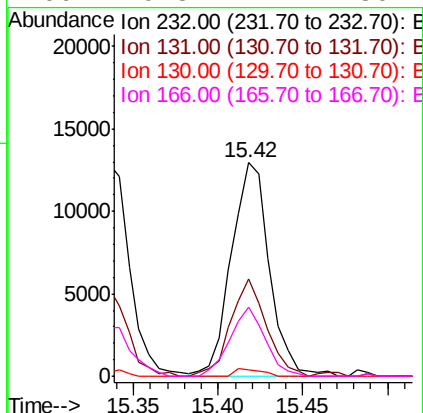
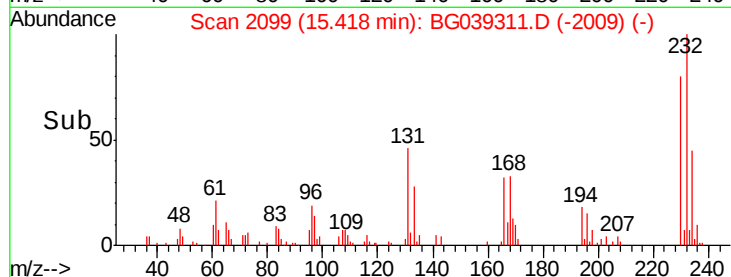
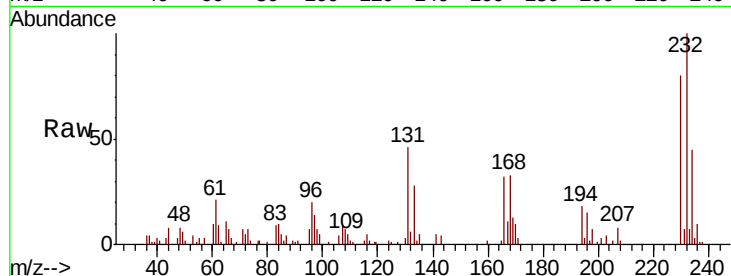




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 7.579 ng  
 RT: 15.42 min Scan# 2099  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

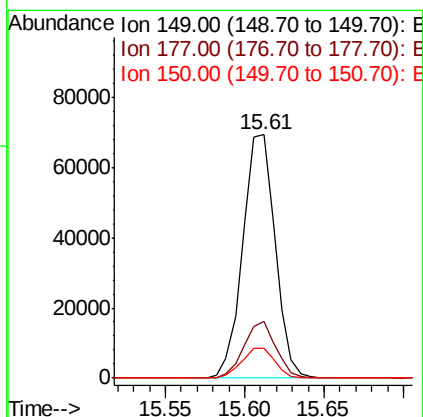
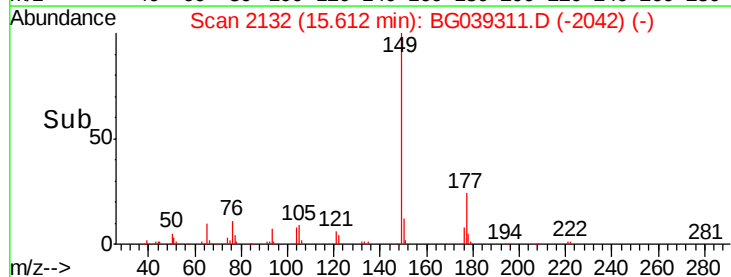
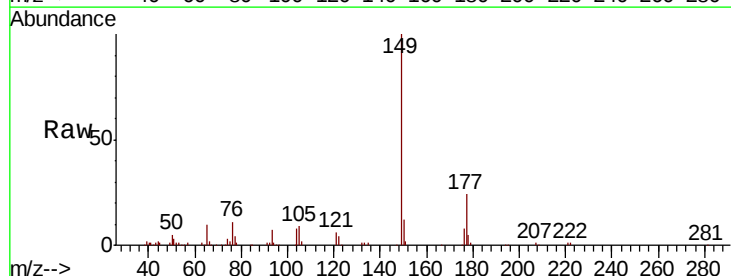
Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 232   | Resp: | 20388 |
| Ion      | Ratio | Lower | Upper |
| 232      | 100   |       |       |
| 131      | 42.3  | 34.9  | 52.3  |
| 130      | 2.5   | 2.0   | 3.0   |
| 166      | 29.8  | 24.1  | 36.1  |



#60  
 Diethylphthalate  
 Concen: 9.916 ng  
 RT: 15.61 min Scan# 2132  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 98485 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 177      | 23.5  | 18.3  | 27.5  |
| 150      | 12.2  | 10.2  | 15.2  |

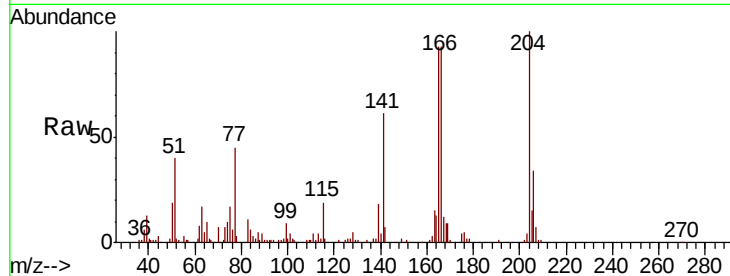




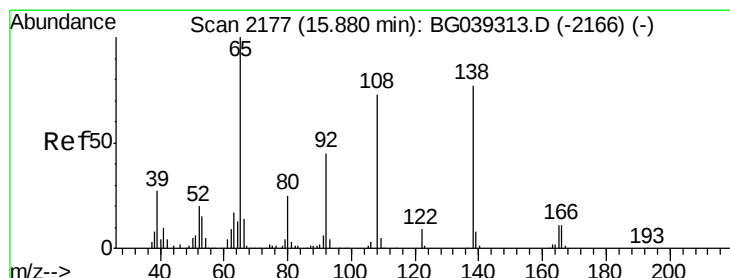
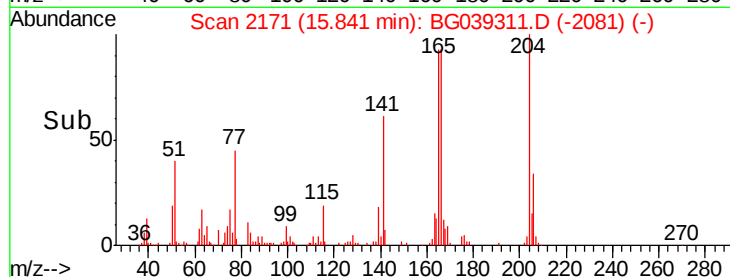
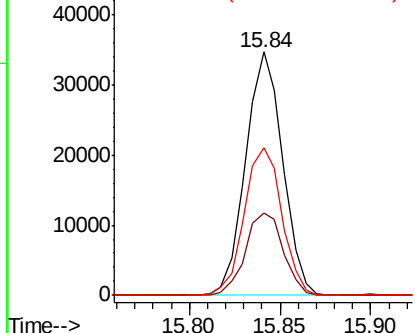
#61  
 4-Chlorophenyl-phenylether  
 Concen: 8.885 ng  
 RT: 15.84 min Scan# 2171  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:204 Resp: 49155  
 Ion Ratio Lower Upper  
 204 100  
 206 33.9 29.2 43.8  
 141 60.5 49.0 73.4

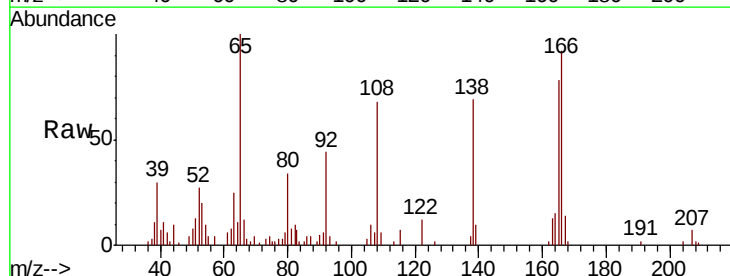


Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E

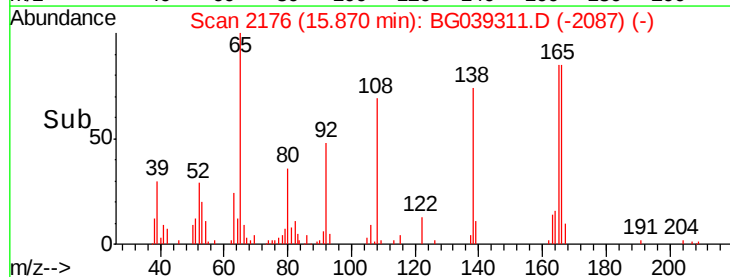
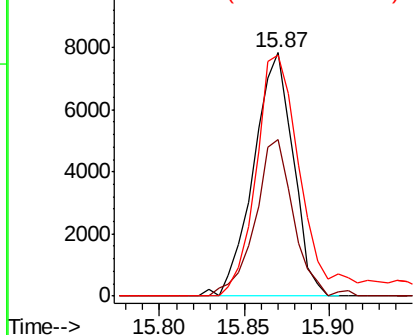


#62  
 4-Nitroaniline  
 Concen: 5.580 ng  
 RT: 15.87 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

Tgt Ion:138 Resp: 12708  
 Ion Ratio Lower Upper  
 138 100  
 92 64.3 38.7 78.7  
 108 98.9 74.6 114.6



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





#63

Azobenzene

Concen: 12.453 ng

RT: 16.13 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 96727

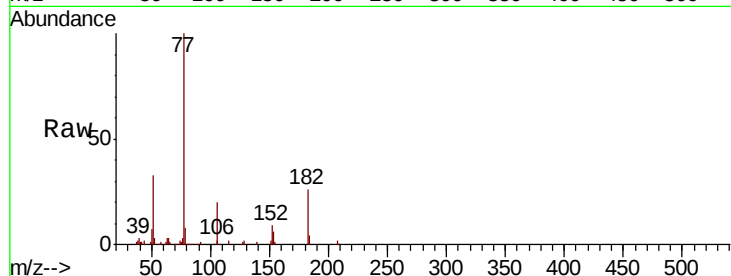
Ion Ratio Lower Upper

77 100

182 25.7 6.4 46.4

105 20.0 0.0 39.8

51 32.6 14.1 54.1

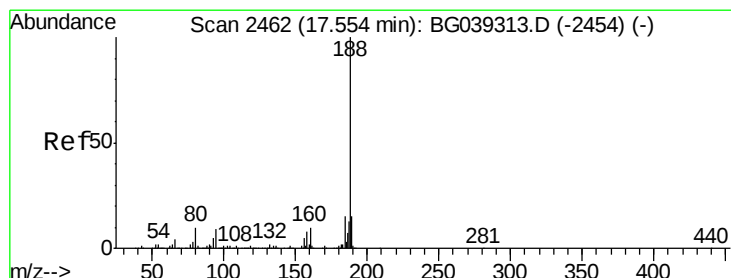
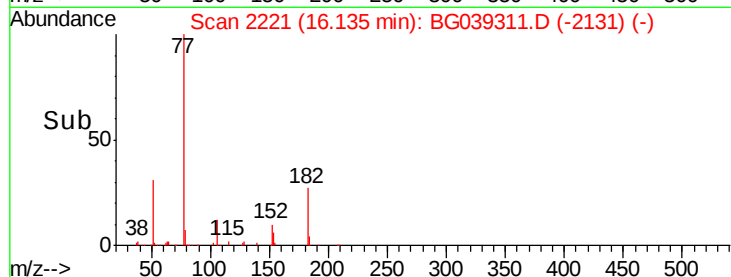
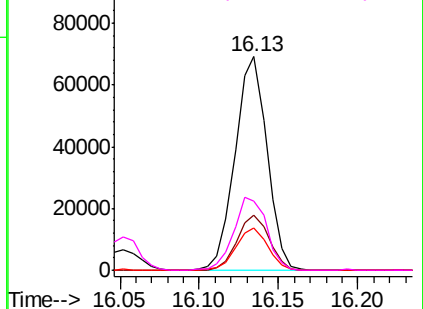


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.56 min Scan# 2463

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

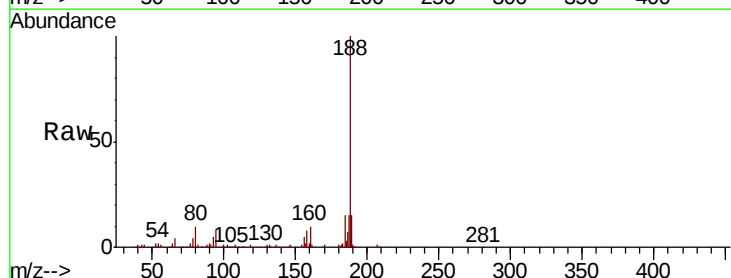
Tgt Ion: 188 Resp: 276045

Ion Ratio Lower Upper

188 100

94 8.2 6.9 10.3

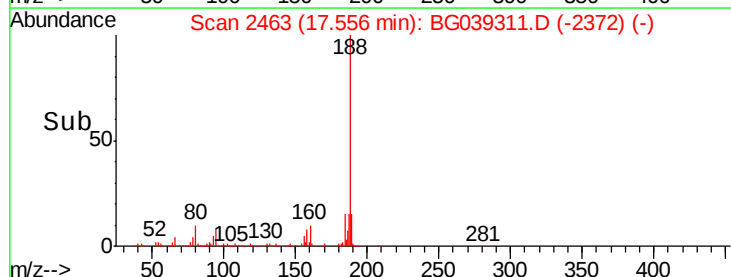
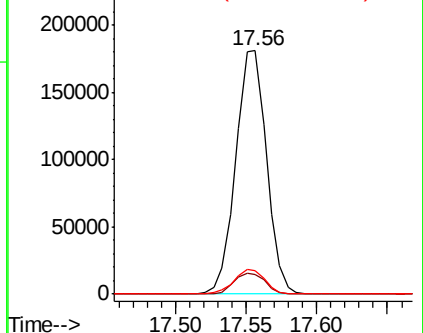
80 9.7 8.1 12.1

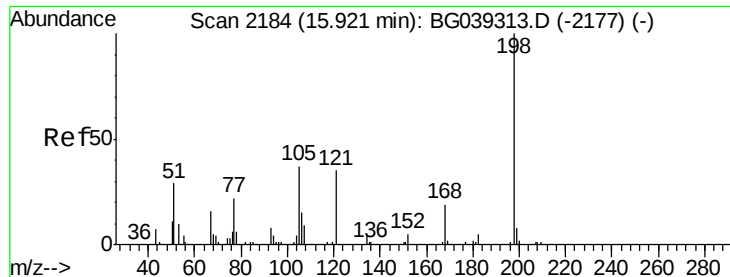


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

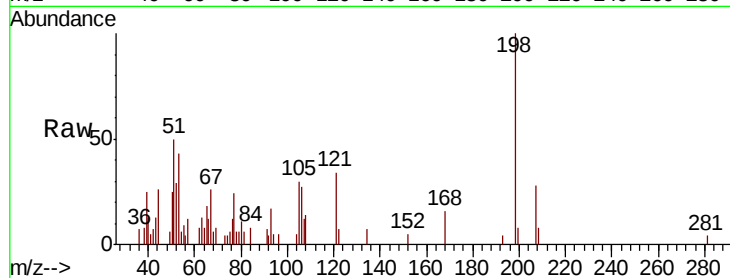




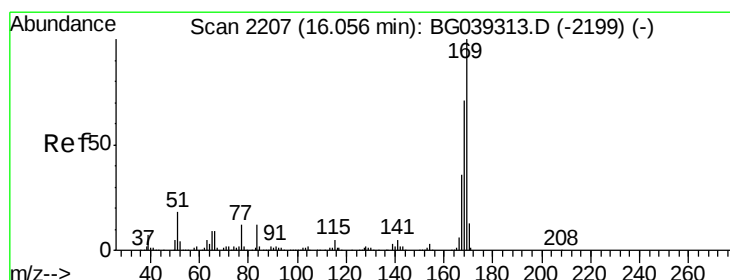
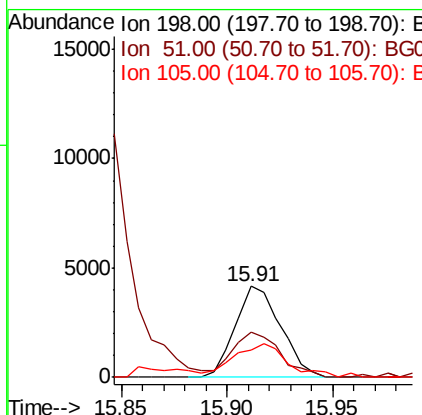
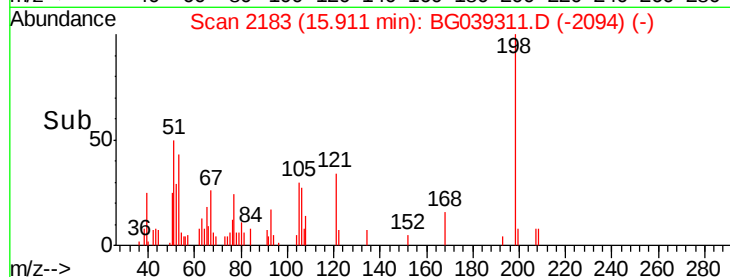
#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.015 ng  
RT: 15.91 min Scan# 2183  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:198 Resp: 6166  
Ion Ratio Lower Upper  
198 100  
51 50.4 27.4 67.4  
105 30.5 19.7 59.7

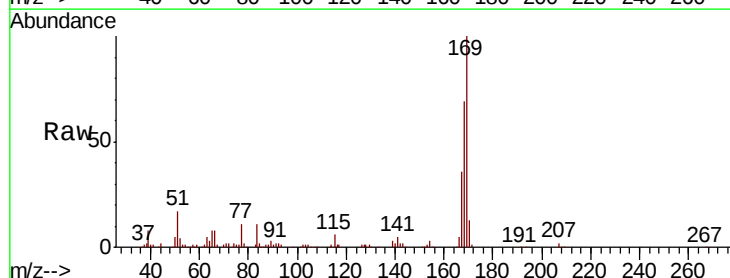


Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BG  
Ion 105.00 (104.70 to 105.70): E

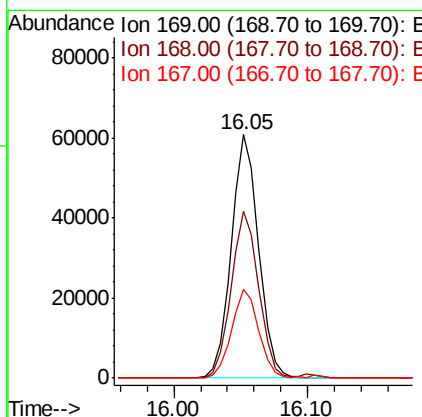
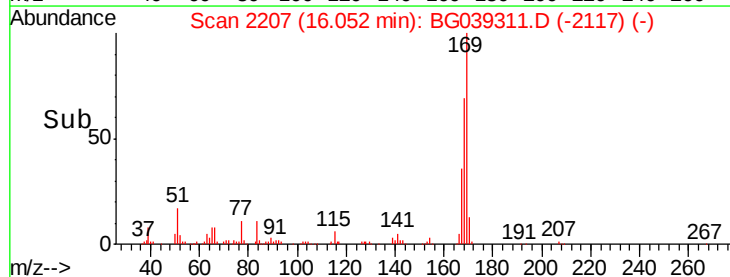


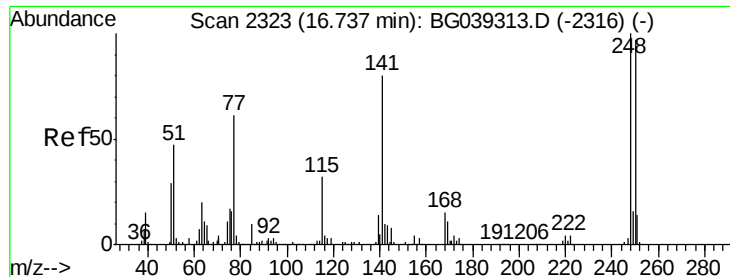
#66  
n-Nitrosodiphenylamine  
Concen: 10.587 ng  
RT: 16.05 min Scan# 2207  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:169 Resp: 86640  
Ion Ratio Lower Upper  
169 100  
168 68.7 56.6 85.0  
167 36.5 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

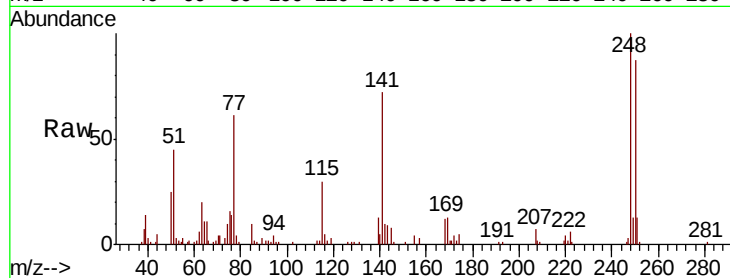




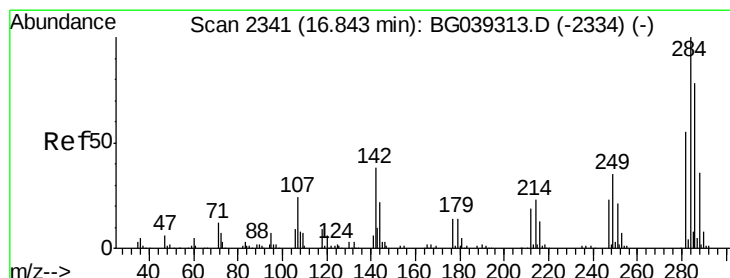
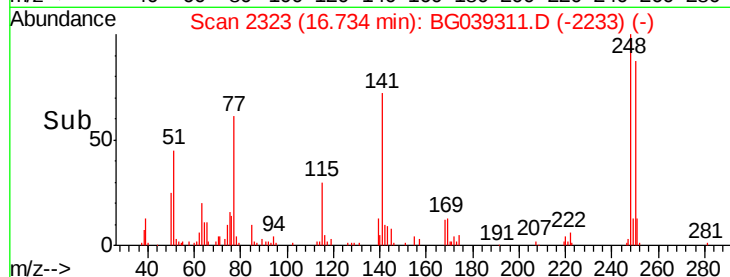
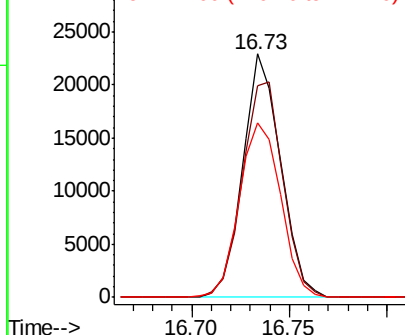
#67  
4-Bromophenyl-phenylether  
Concen: 8.676 ng  
RT: 16.73 min Scan# 2323  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 30785  
Ion Ratio Lower Upper  
248 100  
250 87.1 77.6 116.4  
141 71.6 63.9 95.9

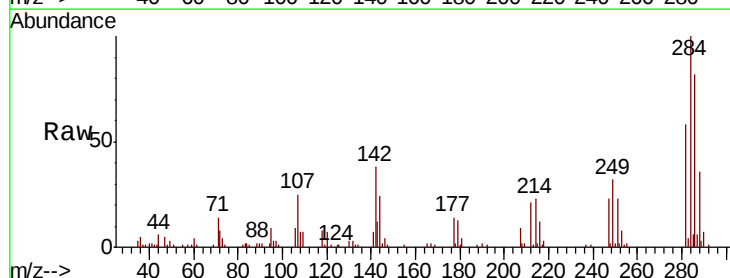


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

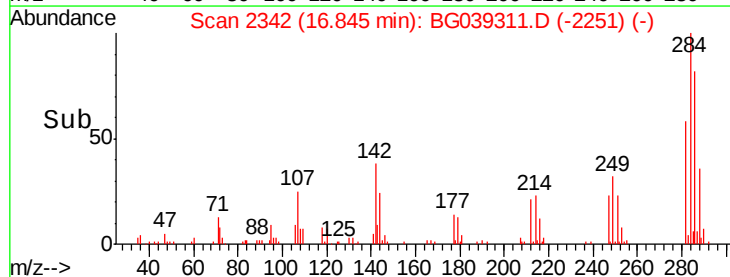
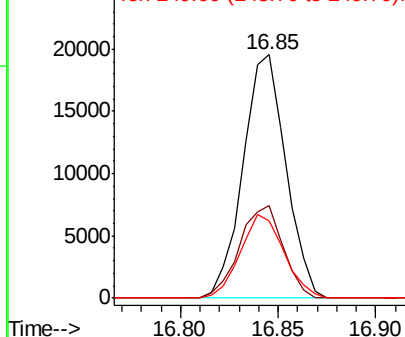


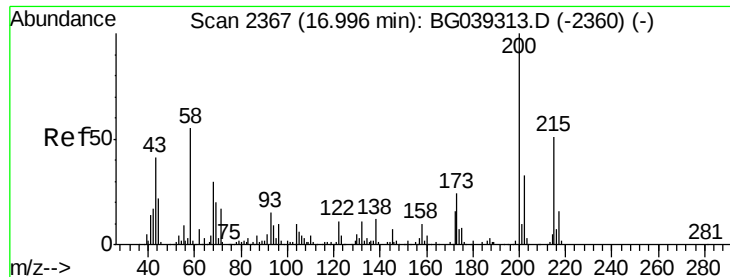
#68  
Hexachlorobenzene  
Concen: 7.673 ng  
RT: 16.85 min Scan# 2342  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:284 Resp: 29709  
Ion Ratio Lower Upper  
284 100  
142 37.9 30.6 45.8  
249 32.0 28.2 42.2



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





#69

Atrazine

Concen: 9.621 ng

RT: 16.99 min Scan# 2367

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

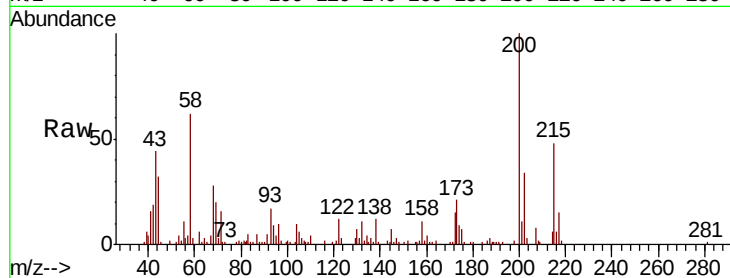
Tot Ion:200 Resp: 33446

Ion Ratio Lower Upper

200 100

173 21.5 3.9 43.9

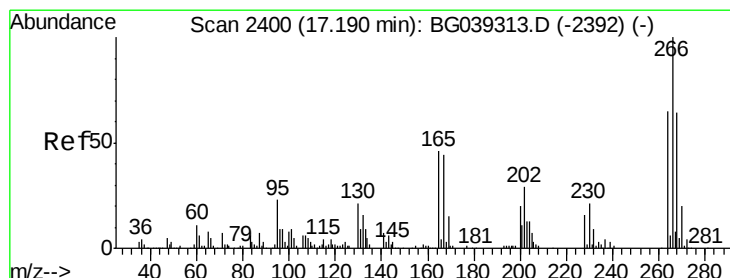
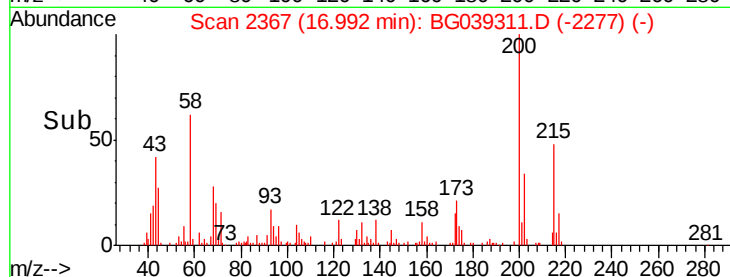
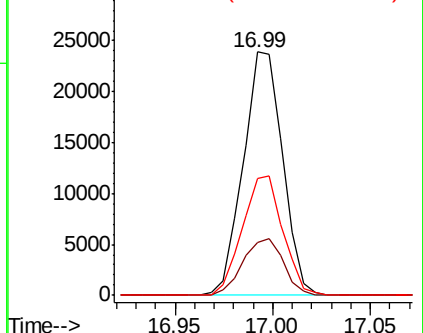
215 48.1 30.9 70.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 8.251 ng

RT: 17.19 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

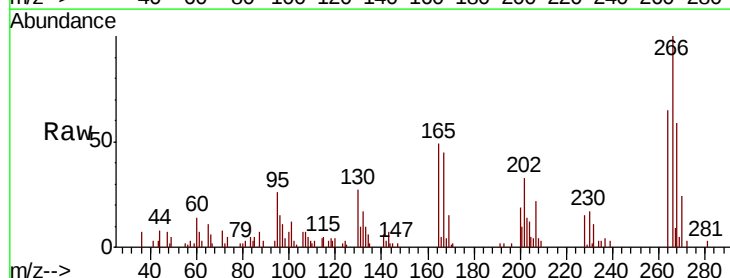
Tgt Ion:266 Resp: 17092

Ion Ratio Lower Upper

266 100

268 59.0 51.1 76.7

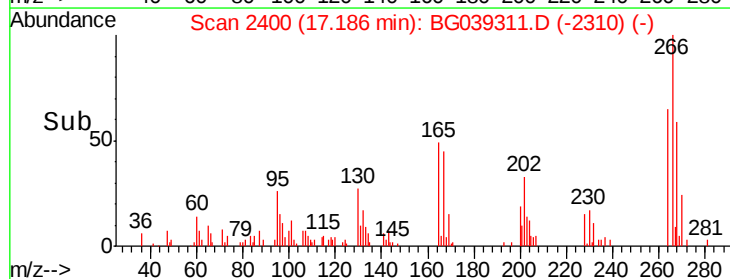
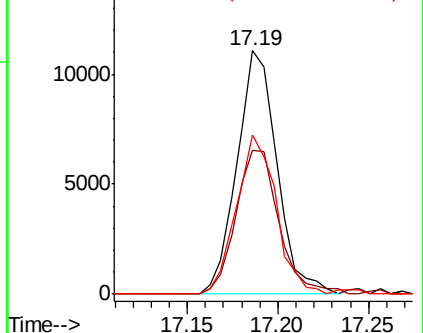
264 65.1 52.1 78.1



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

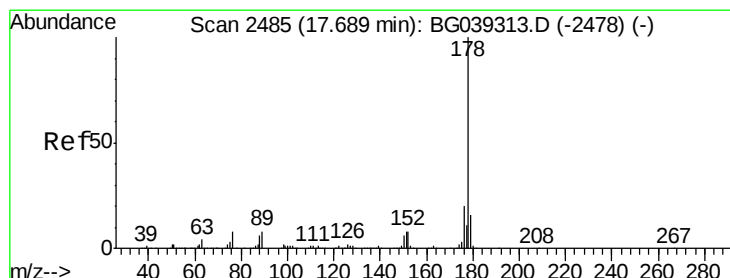
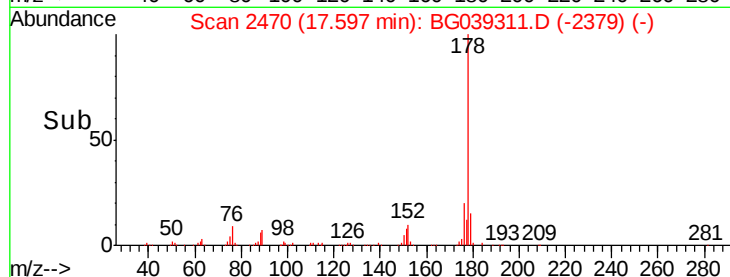
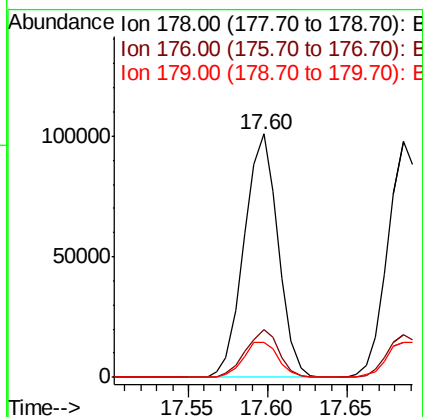
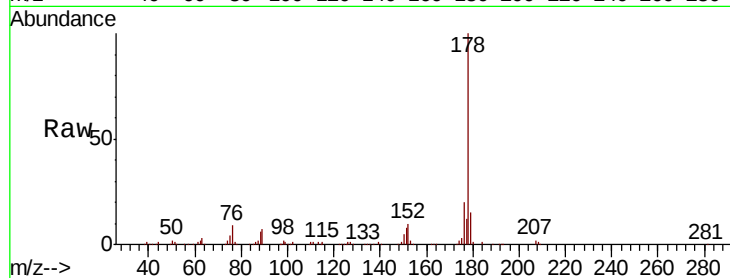




#71  
Phenanthrene  
Concen: 10.284 ng  
RT: 17.60 min Scan# 2470  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

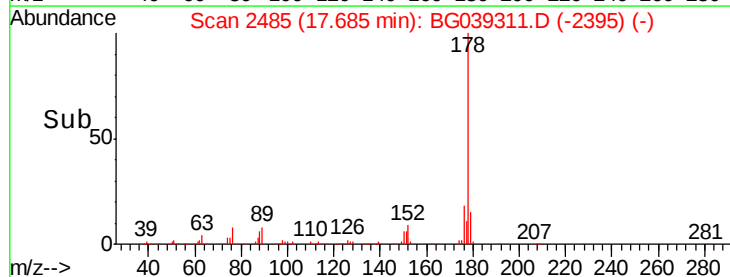
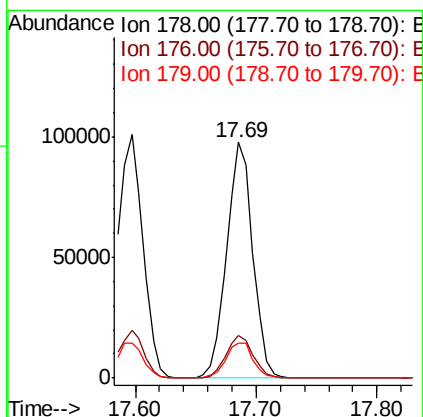
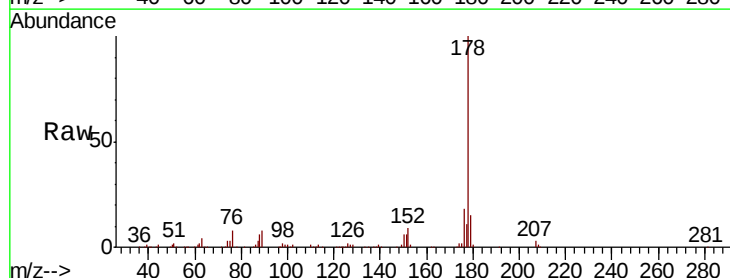
Instrument :  
BNA\_G  
ClientSampled :

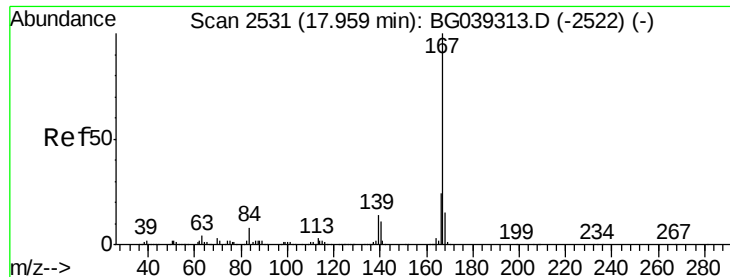
Tot Ion:178 Resp: 150051  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.2 24.4  
179 14.6 12.6 19.0



#72  
Anthracene  
Concen: 10.150 ng  
RT: 17.69 min Scan# 2485  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:178 Resp: 146424  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.8 23.6  
179 14.7 12.5 18.7





#73

Carbazole

Concen: 10.469 ng

RT: 17.96 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

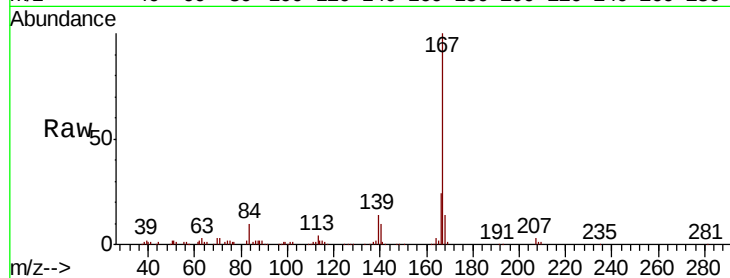
Tot Ion:167 Resp: 149091

Ion Ratio Lower Upper

167 100

166 23.9 19.4 29.2

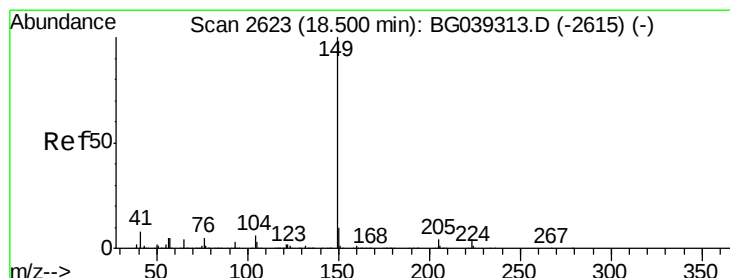
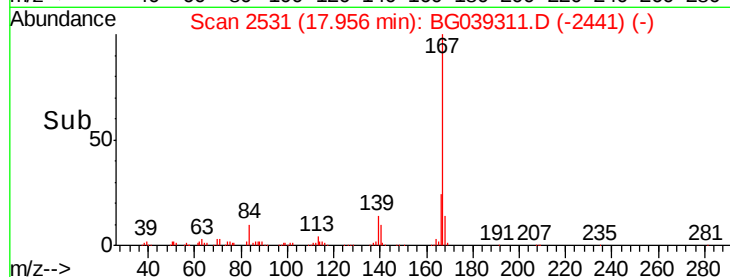
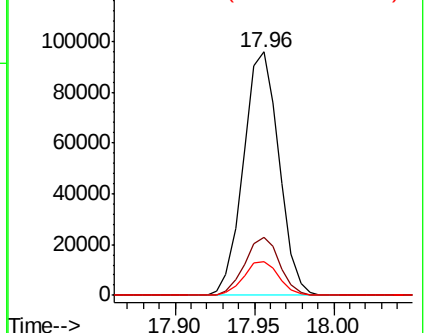
139 13.7 10.8 16.2



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: 10.881 ng

RT: 18.50 min Scan# 2623

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

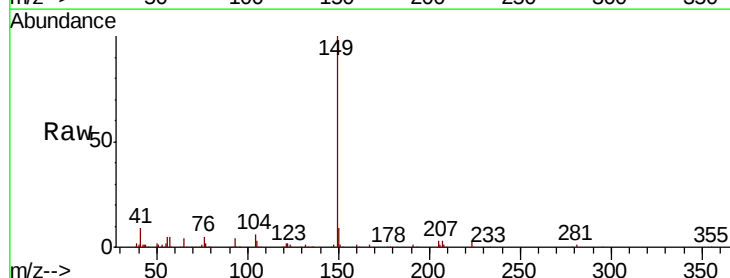
Tgt Ion:149 Resp: 172391

Ion Ratio Lower Upper

149 100

150 8.8 7.7 11.5

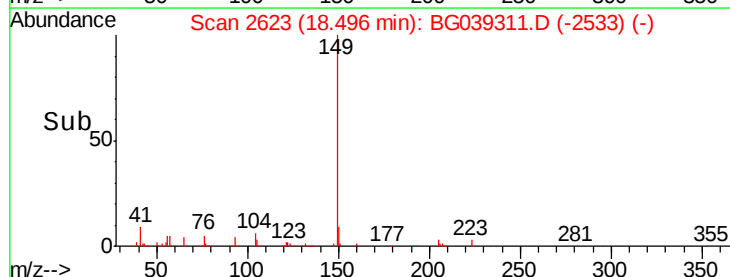
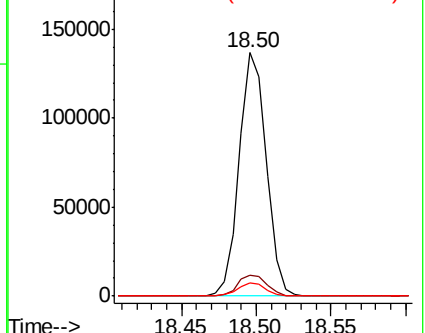
104 5.6 4.5 6.7

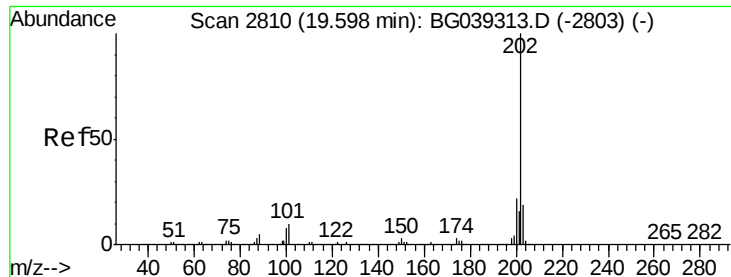


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.838 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

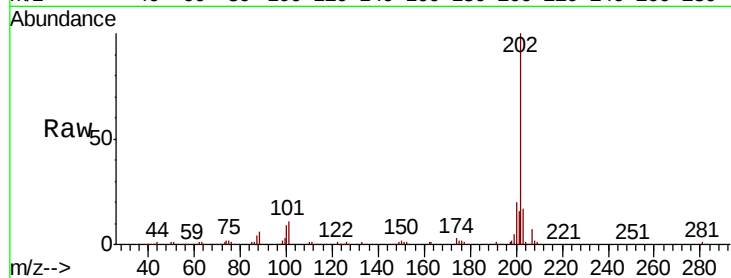
Tot Ion:202 Resp: 177948

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.0

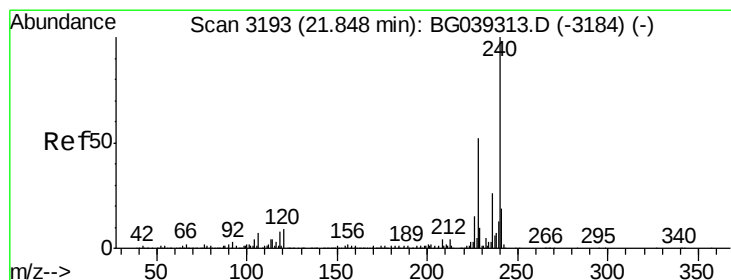
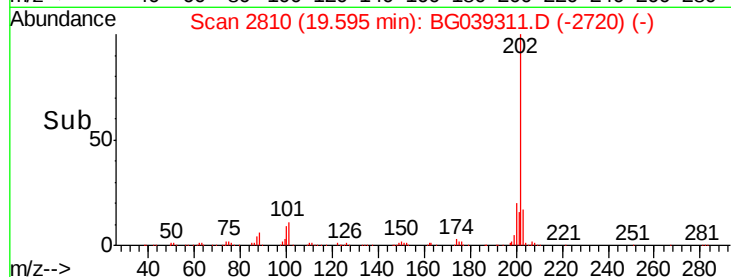
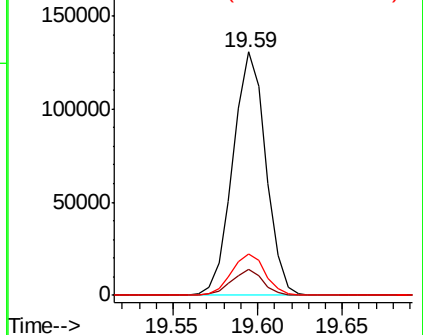
203 17.1 0.0 38.9



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: 21.85 min Scan# 3194

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

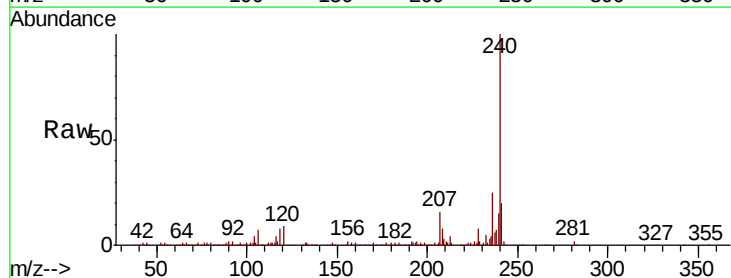
Tgt Ion:240 Resp: 287980

Ion Ratio Lower Upper

240 100

120 9.4 7.0 10.6

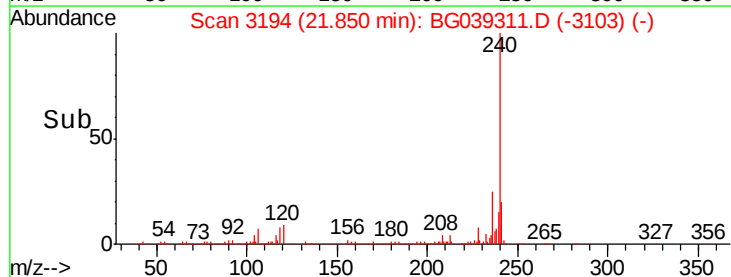
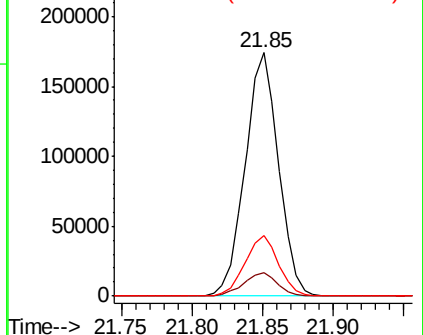
236 25.0 21.0 31.4

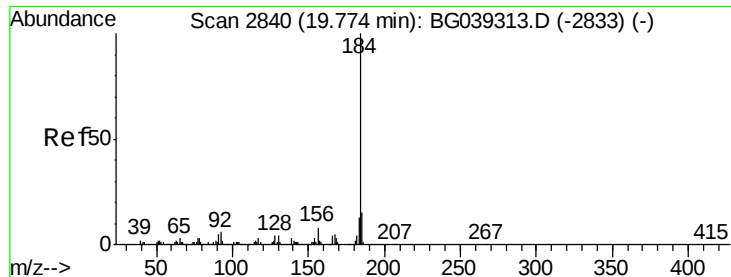


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.514 ng

RT: 19.78 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

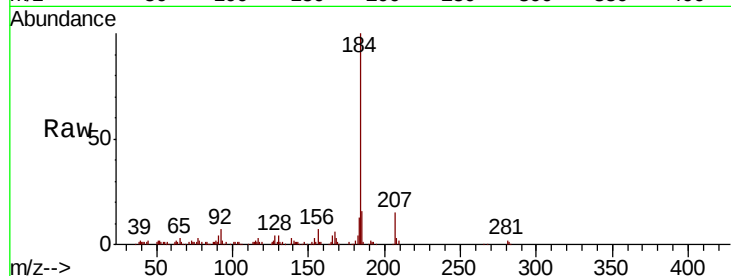
Tot Ion:184 Resp: 101414

Ion Ratio Lower Upper

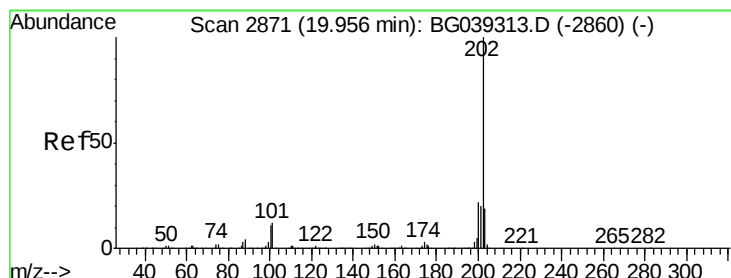
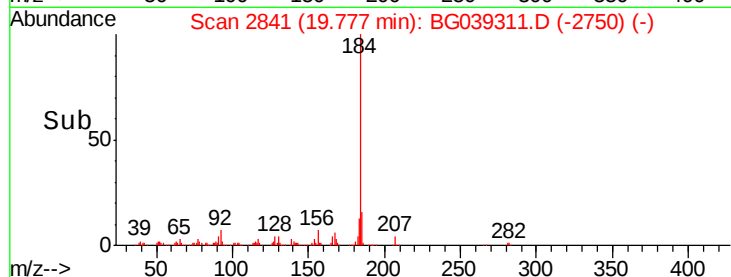
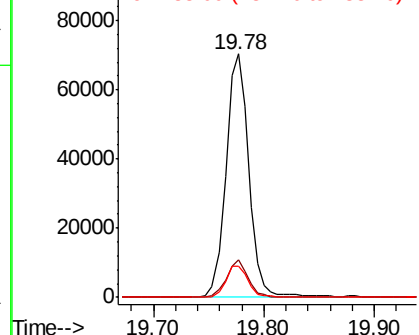
184 100

185 15.7 12.2 18.2

183 12.8 10.6 15.8



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



#78

Pyrene

Concen: 10.061 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

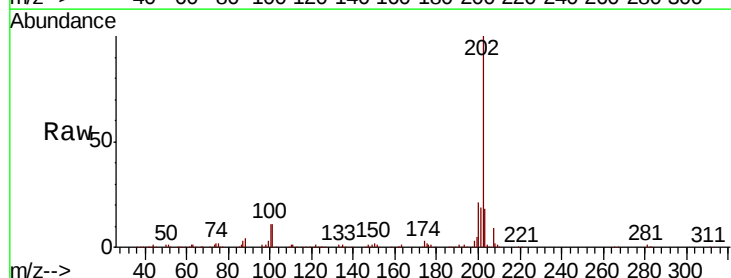
Tgt Ion:202 Resp: 184646

Ion Ratio Lower Upper

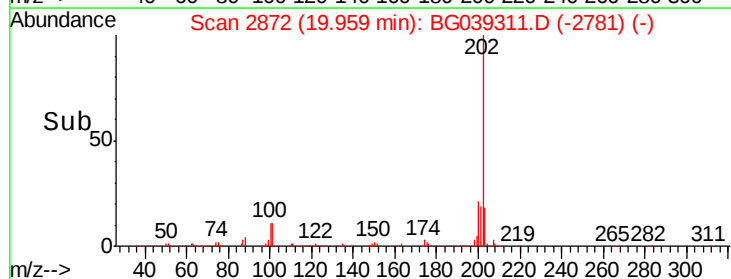
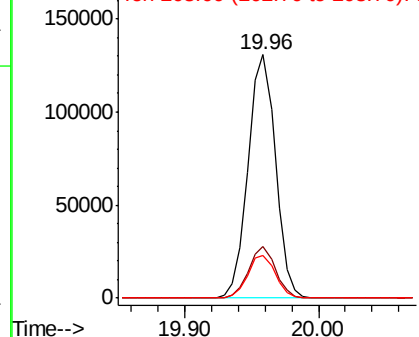
202 100

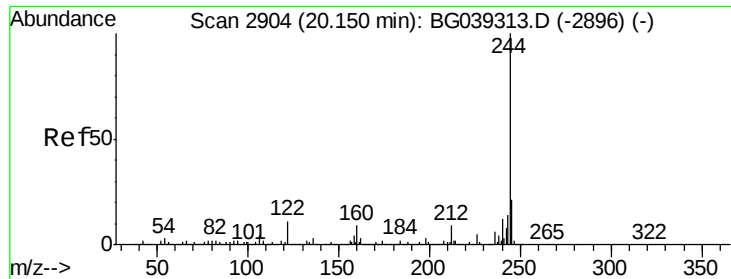
200 21.4 17.8 26.8

203 17.8 15.3 22.9



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





#79

Terphenyl-d14

Concen: 18.959 ng

RT: 20.15 min Scan# 2904

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

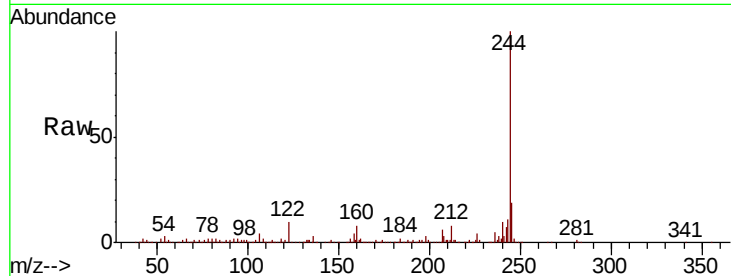
Tot Ion:244 Resp: 295145

Ion Ratio Lower Upper

244 100

212 7.8 7.3 10.9

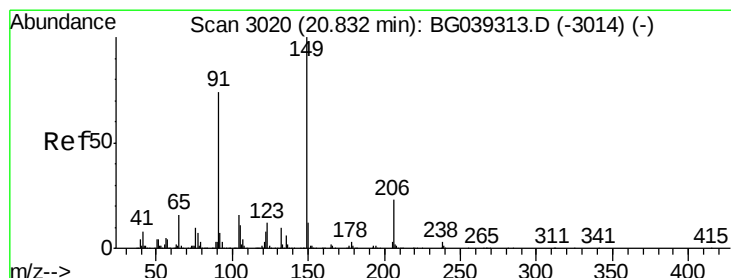
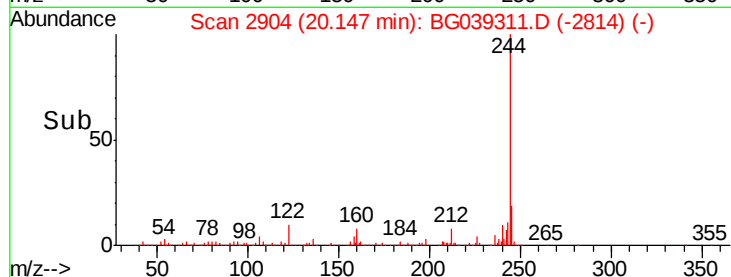
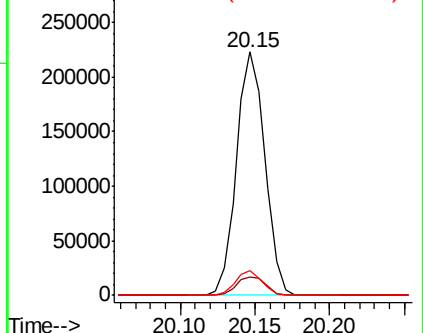
122 10.3 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 10.149 ng

RT: 20.83 min Scan# 3021

Delta R.T. 0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

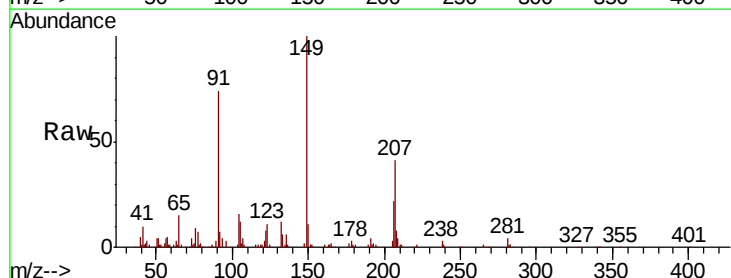
Tgt Ion:149 Resp: 70845

Ion Ratio Lower Upper

149 100

91 73.6 59.5 89.3

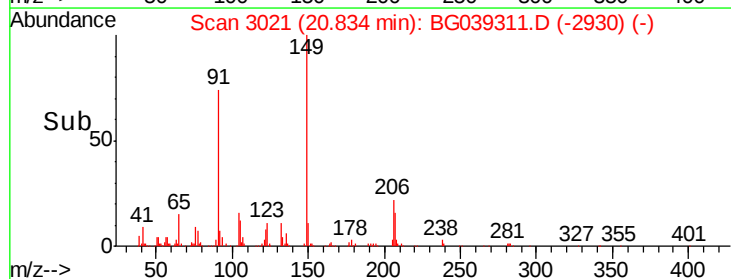
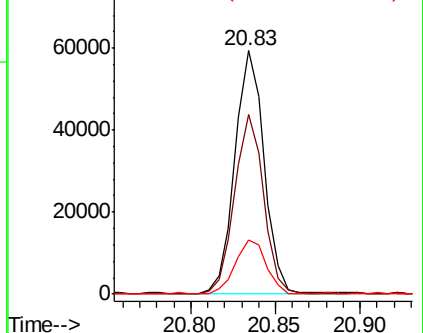
206 22.4 18.6 27.8

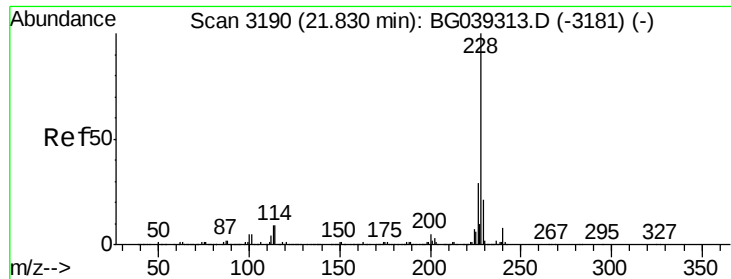


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

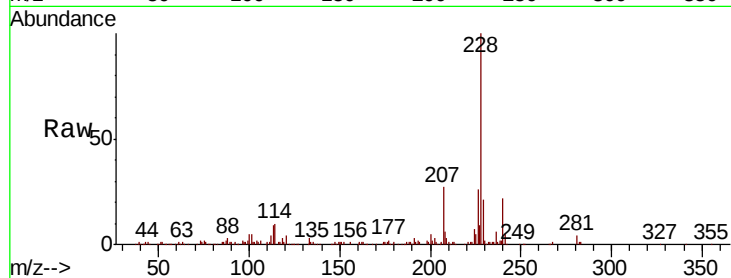




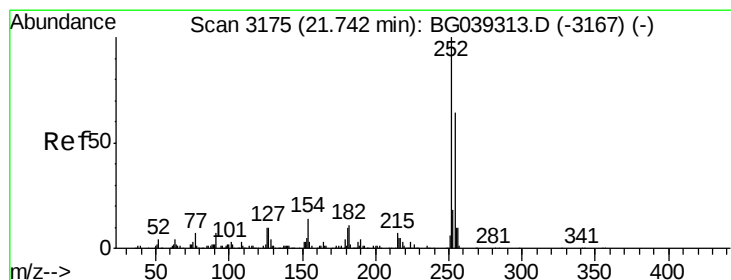
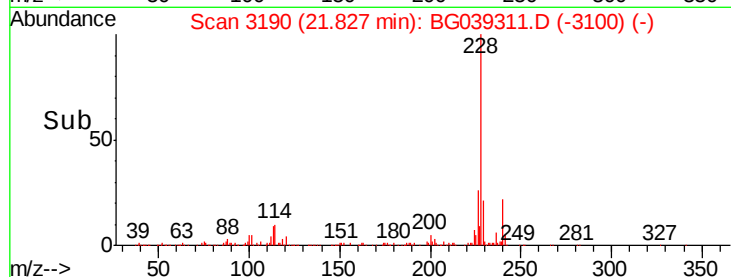
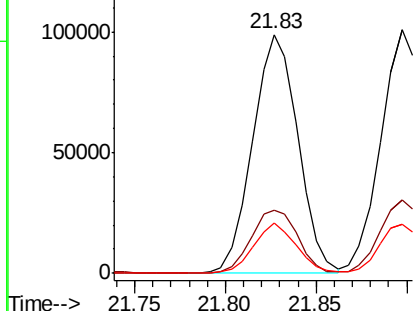
#81  
Benzo(a)anthracene  
Concen: 9.787 ng  
RT: 21.83 min Scan# 3190  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:228 Resp: 171577  
Ion Ratio Lower Upper  
228 100  
226 26.2 23.0 34.6  
229 20.8 16.9 25.3

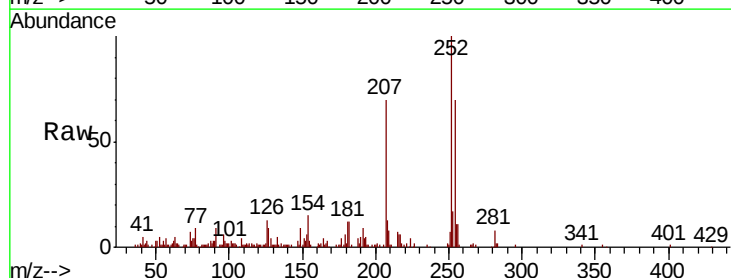


Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

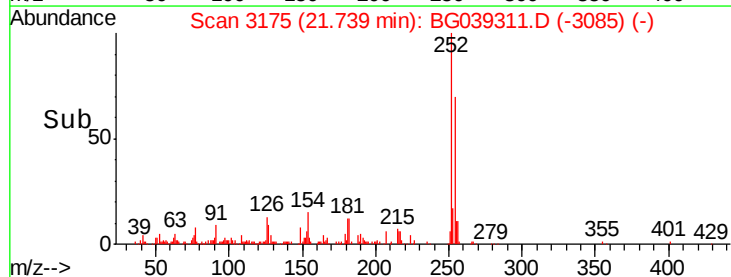
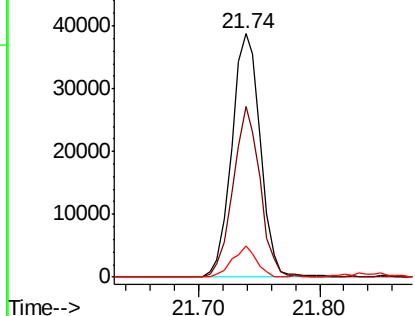


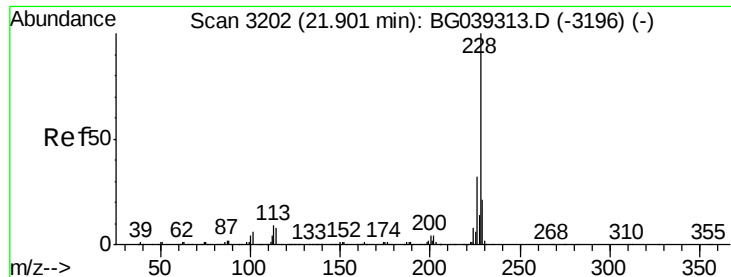
#82  
3,3'-Dichlorobenzidine  
Concen: 8.923 ng  
RT: 21.74 min Scan# 3175  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:252 Resp: 63738  
Ion Ratio Lower Upper  
252 100  
254 70.2 51.3 76.9  
126 13.0 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

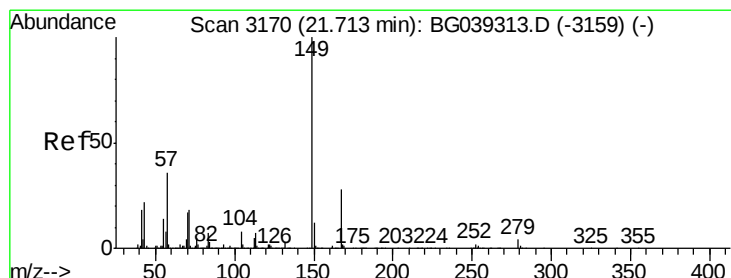
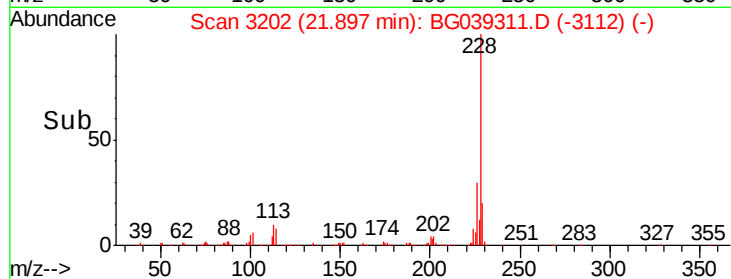
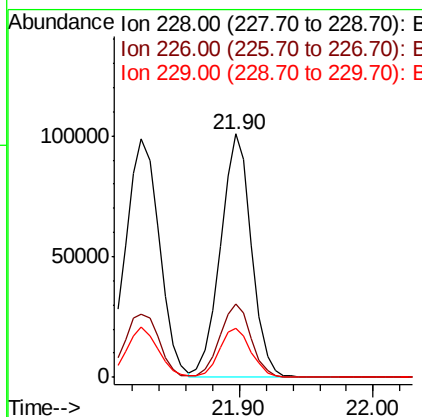
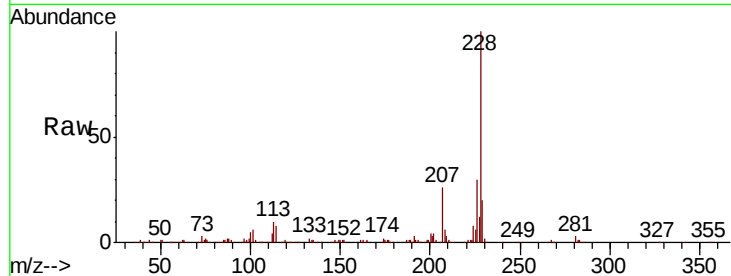




#83  
 Chrysene  
 Concen: 9.820 ng  
 RT: 21.90 min Scan# 3202  
 Delta R.T. -0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

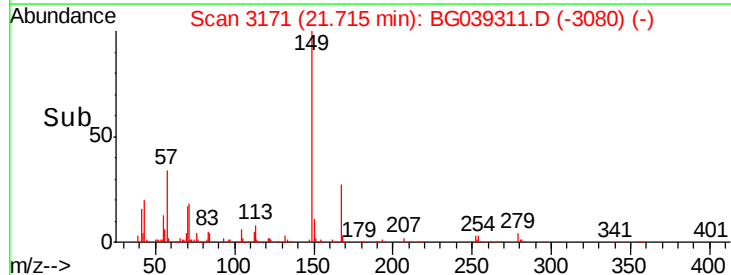
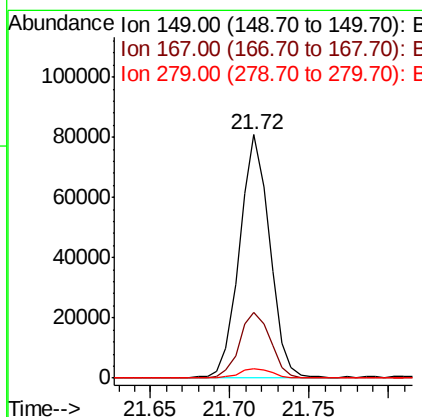
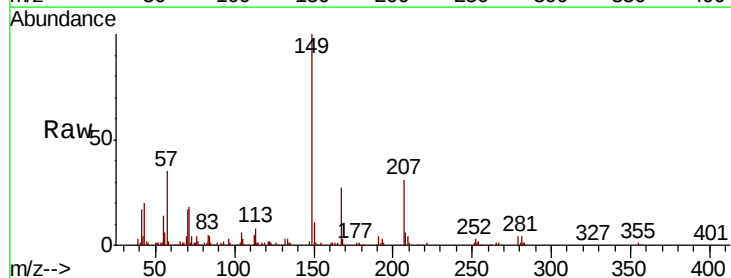
Instrument :  
 BNA\_G  
 ClientSampleId :

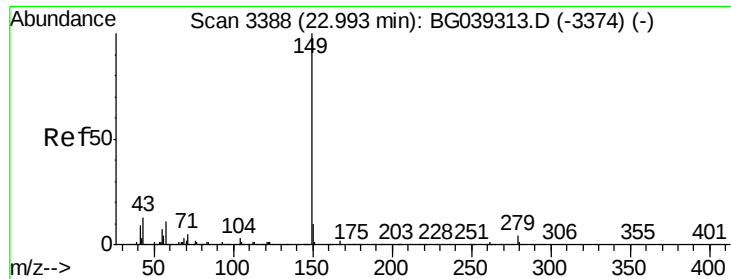
|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:228 | Resp: | 163724 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 226 | 30.2    | 25.8  | 38.6   |
| 229 | 20.0    | 16.6  | 25.0   |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 10.959 ng  
 RT: 21.72 min Scan# 3171  
 Delta R.T. 0.00 min  
 Lab File: BG039311.D  
 Acq: 29 Jan 2019 10:15

|         |         |       |        |
|---------|---------|-------|--------|
| Tgt Ion | Ion:149 | Resp: | 106214 |
|         | Ratio   | Lower | Upper  |
| 149     | 100     |       |        |
| 167     | 27.0    | 22.6  | 34.0   |
| 279     | 4.0     | 3.5   | 5.3    |





#85

Di-n-octyl phthalate

Concen: 10.572 ng

RT: 22.99 min Scan# 3388

Delta R.T. -0.00 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

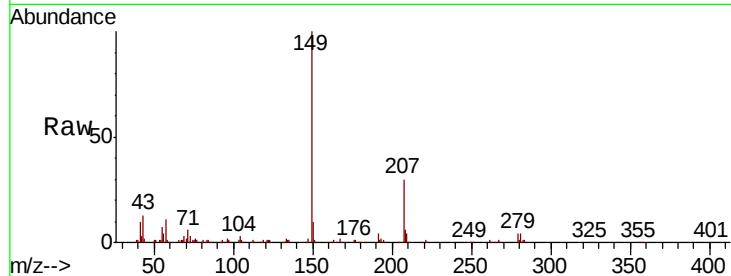
Tot Ion:149 Resp: 173259

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

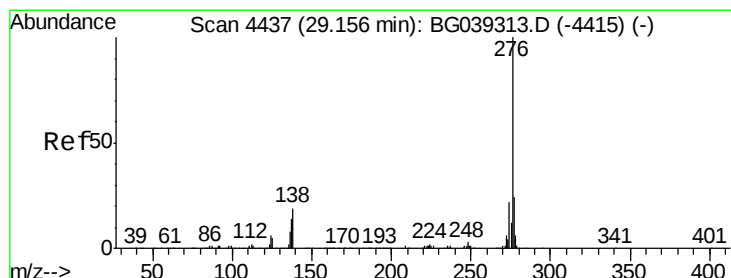
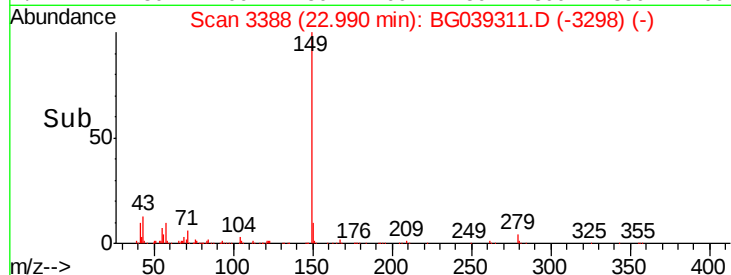
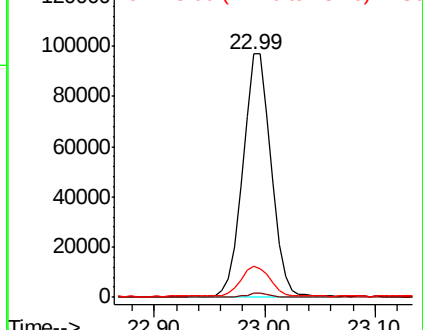
43 13.0 10.2 15.4



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: 8.295 ng

RT: 29.14 min Scan# 4435

Delta R.T. -0.02 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

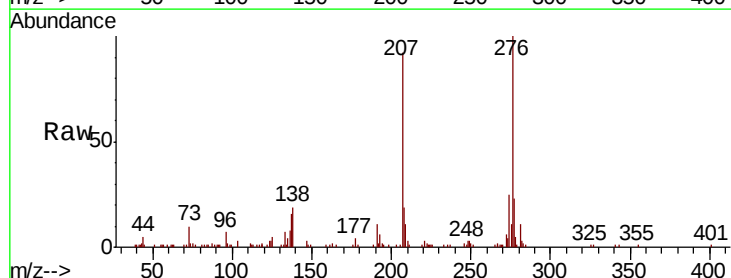
Tgt Ion:276 Resp: 165253

Ion Ratio Lower Upper

276 100

138 14.7 12.6 19.0

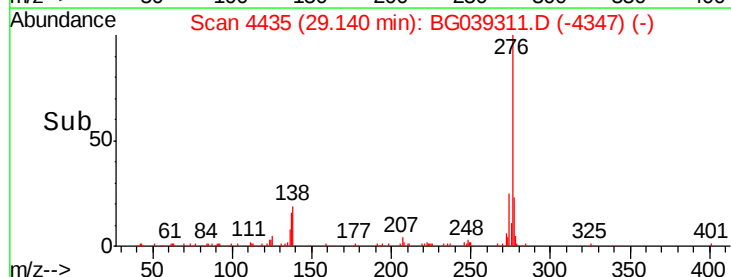
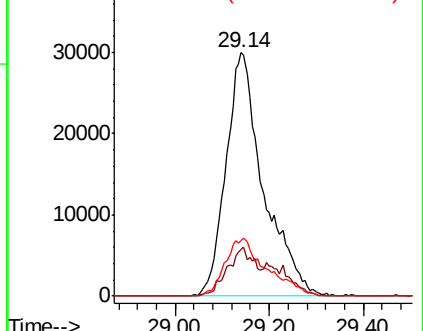
277 26.3 20.8 31.2

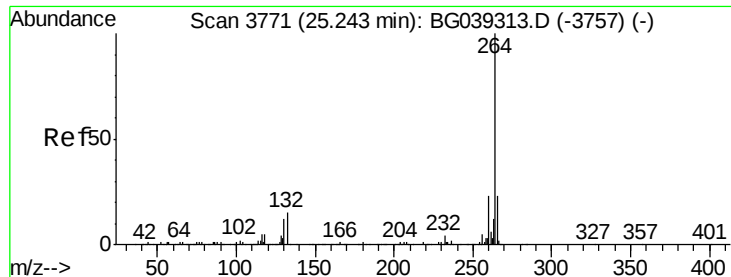


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



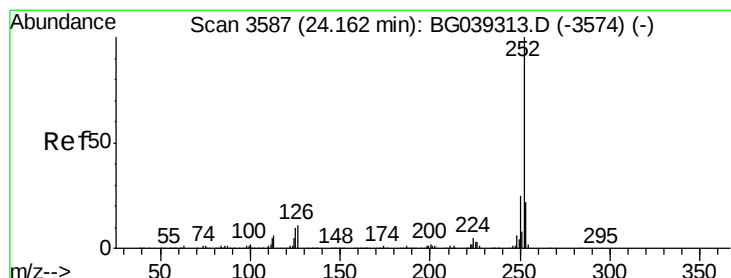
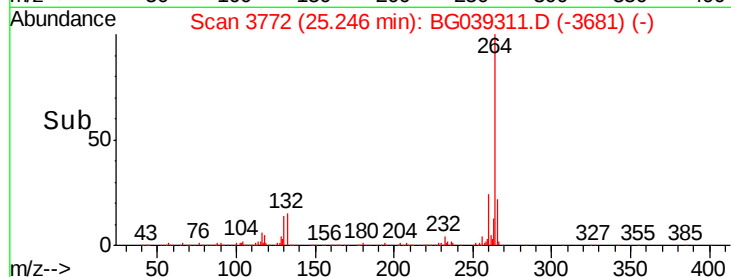
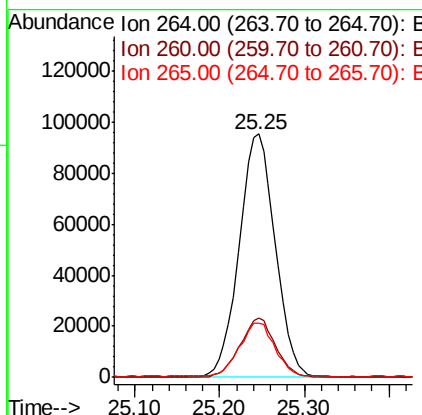
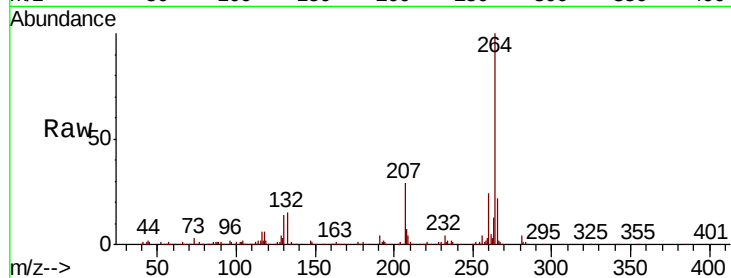


#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.25 min Scan# 3772  
Delta R.T. 0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 282418  

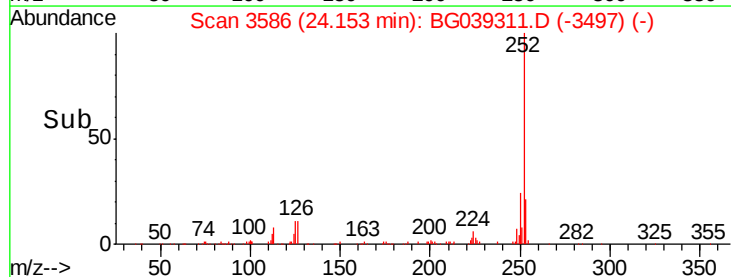
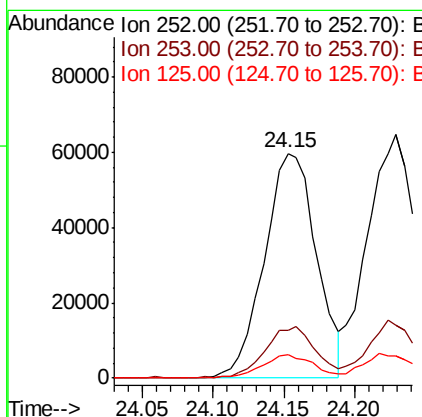
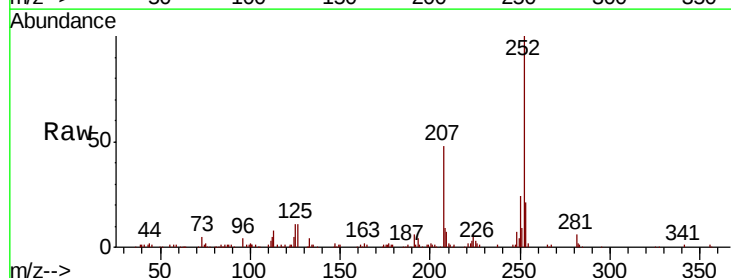
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 18.2  | 27.4  |
| 265 | 22.4  | 18.5  | 27.7  |



#88  
Benzo(b)fluoranthene  
Concen: 9.865 ng  
RT: 24.15 min Scan# 3586  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:252 Resp: 153624  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.3  | 17.8  | 26.8  |
| 125 | 10.7  | 7.8   | 11.6  |

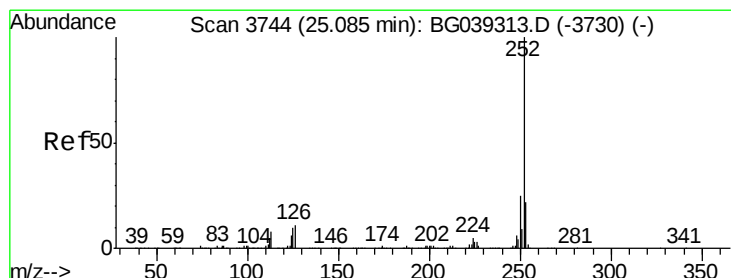
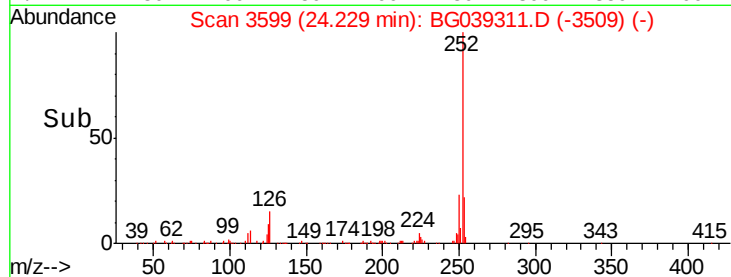
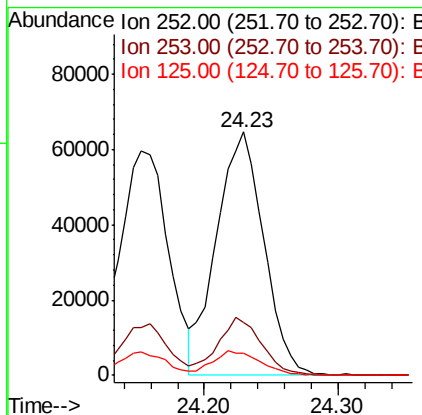
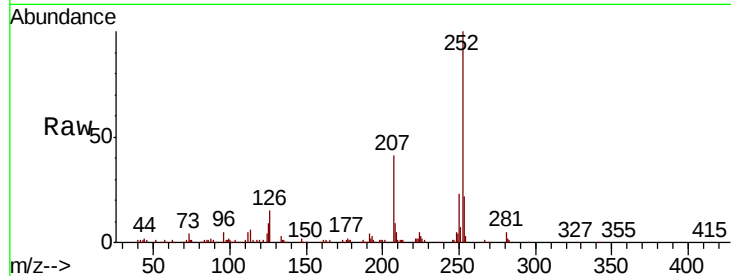




#89  
Benzo(k)fluoranthene  
Concen: 10.317 ng  
RT: 24.23 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

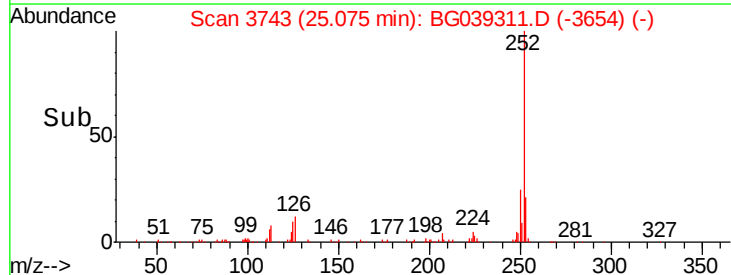
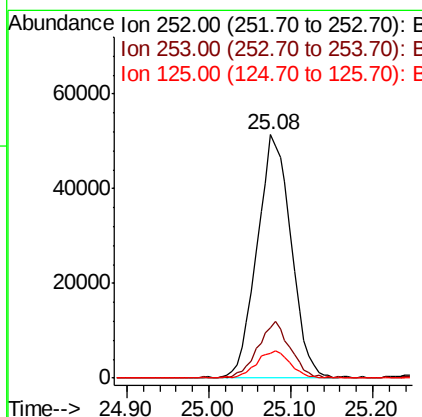
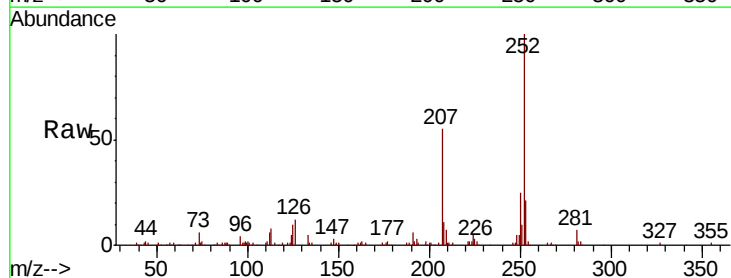
Instrument :  
BNA\_G  
ClientSampleId :

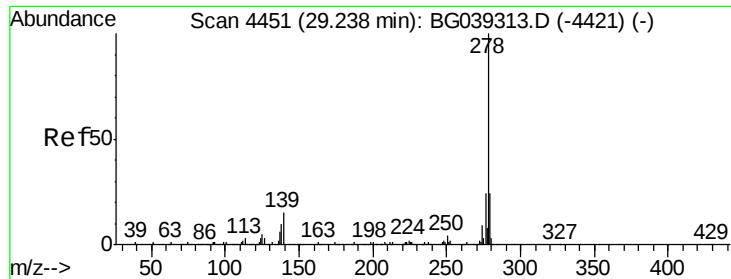
Tot Ion:252 Resp: 158854  
Ion Ratio Lower Upper  
252 100  
253 21.7 18.2 27.2  
125 8.9 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 9.864 ng  
RT: 25.08 min Scan# 3743  
Delta R.T. -0.01 min  
Lab File: BG039311.D  
Acq: 29 Jan 2019 10:15

Tgt Ion:252 Resp: 148475  
Ion Ratio Lower Upper  
252 100  
253 20.7 17.9 26.9  
125 10.0 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 9.308 ng

RT: 29.22 min Scan# 4448

Delta R.T. -0.02 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

Instrument :

BNA\_G

ClientSampleId :

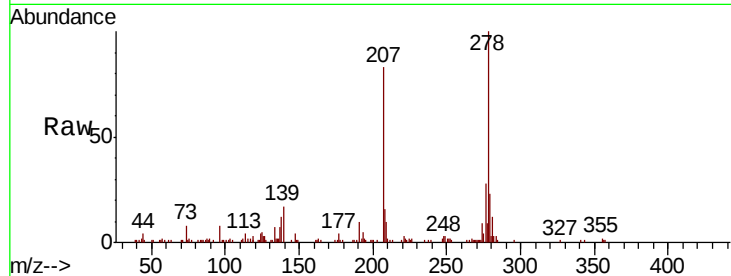
Tot Ion:278 Resp: 139357

Ion Ratio Lower Upper

278 100

139 17.0 11.7 17.5

279 23.1 19.1 28.7

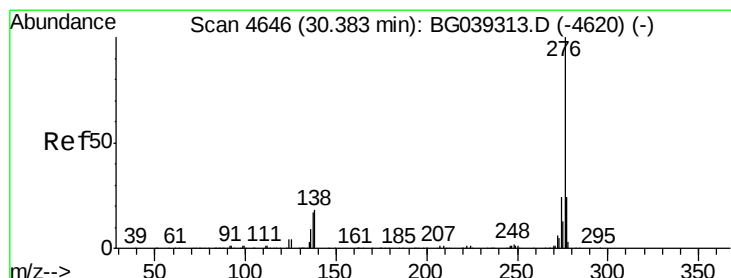
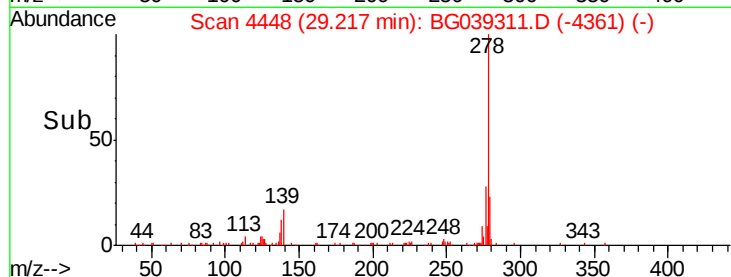
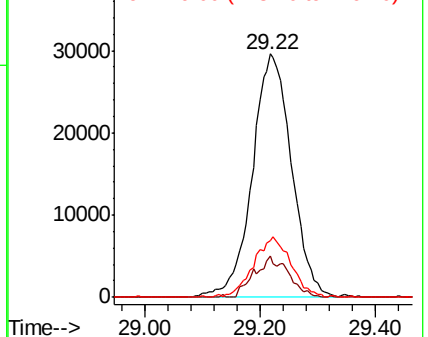


Abundance

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: 9.087 ng

RT: 30.37 min Scan# 4644

Delta R.T. -0.02 min

Lab File: BG039311.D

Acq: 29 Jan 2019 10:15

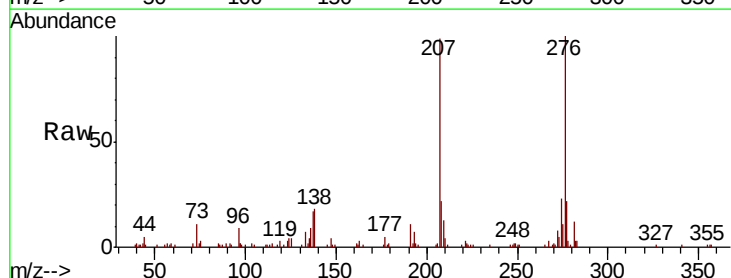
Tgt Ion:276 Resp: 134681

Ion Ratio Lower Upper

276 100

277 21.9 19.6 29.4

138 18.5 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

