

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG061019\  
 Data File : BG041173.D  
 Acq On : 10 Jun 2019 21:26  
 Operator : HP/JU  
 Sample : K3214-03RE  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

Quant Time: Jun 11 03:50:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 23:08:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.11  | 152  | 50137    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.95 | 136  | 191228   | 20.00 | ng    | 0.02     |
| 39) Acenaphthene-d10      | 14.74 | 164  | 140668   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 329709   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.76 | 240  | 332689   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.09 | 264  | 339681   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.66  | 112 | 203855  | 73.32  | ng | 0.02 |
| 7) Phenol-d6                | 7.26  | 99  | 190537  | 44.37  | ng | 0.01 |
| 23) Nitrobenzene-d5         | 9.29  | 82  | 415037  | 96.35  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330 | 302573  | 144.89 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 13.37 | 172 | 940082  | 96.24  | ng | 0.00 |
| 79) Terphenyl-d14           | 20.08 | 244 | 1525841 | 97.34  | ng | 0.00 |

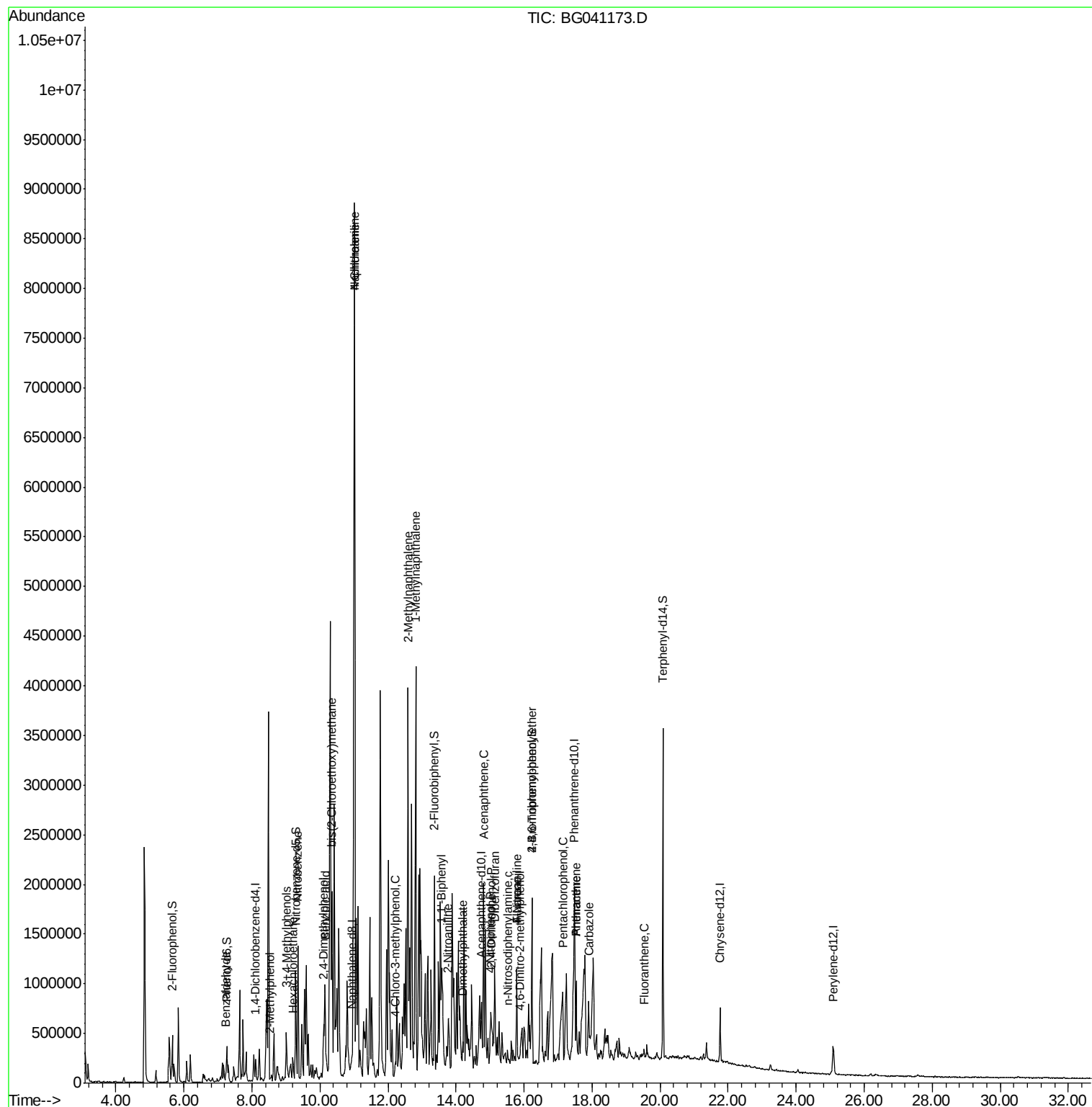
|                                |       |     |         |         |    |      |
|--------------------------------|-------|-----|---------|---------|----|------|
| Target Compounds               |       |     |         | Qvalue  |    |      |
| 9) Benzaldehyde                | 7.23  | 77  | 6366    | 2.485   | ng | # 1  |
| 17) 2-Methylphenol             | 8.54  | 107 | 16878   | 5.063   | ng | # 29 |
| 18) Hexachloroethane           | 9.21  | 117 | 28302   | 18.324  | ng | # 1  |
| 20) 3+4-Methylphenols          | 9.01  | 107 | 211597  | 45.823  | ng | # 43 |
| 24) Nitrobenzene               | 9.35  | 77  | 34127   | 7.774   | ng | # 27 |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 155577  | 52.053  | ng | 90   |
| 28) bis(2-Chloroethoxy)methane | 10.35 | 93  | 70552   | 15.946  | ng | # 1  |
| 31) Naphthalene                | 11.02 | 128 | 6551387 | 638.088 | ng | # 48 |
| 32) Benzoic acid               | 10.14 | 122 | 121047  | 51.394  | ng | # 18 |
| 33) 4-Chloroaniline            | 11.02 | 127 | 1700469 | 356.952 | ng | # 35 |
| 36) 4-Chloro-3-methylphenol    | 12.22 | 107 | 10893   | 2.513   | ng | # 30 |
| 37) 2-Methylnaphthalene        | 12.59 | 142 | 1653738 | 209.132 | ng | 97   |
| 38) 1-Methylnaphthalene        | 12.81 | 142 | 1785846 | 239.659 | ng | # 98 |
| 46) 1,1'-Biphenyl              | 13.58 | 154 | 356611  | 34.248  | ng | 99   |
| 48) 2-Nitroaniline             | 13.78 | 65  | 13533   | 4.220   | ng | # 38 |
| 50) Dimethylphthalate          | 14.20 | 163 | 25822   | 2.169   | ng | # 93 |
| 52) Acenaphthene               | 14.81 | 154 | 607819  | 74.577  | ng | 97   |
| 54) 2,4-Dinitrophenol          | 15.03 | 184 | 15989   | 22.290  | ng | # 13 |
| 55) Dibenzofuran               | 15.14 | 168 | 579848  | 42.282  | ng | 99   |
| 56) 4-Nitrophenol              | 15.01 | 139 | 17651   | 10.024  | ng | # 35 |
| 58) Fluorene                   | 15.79 | 166 | 383786  | 35.140  | ng | 98   |
| 62) 4-Nitroaniline             | 15.79 | 138 | 5991    | 2.204   | ng | # 45 |
| 65) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 355     | 8.755   | ng | # 1  |
| 66) n-Nitrosodiphenylamine     | 15.52 | 169 | 20971   | 2.263   | ng | 93   |
| 67) 4-Bromophenyl-phenylether  | 16.23 | 248 | 23038   | 5.178   | ng | # 1  |
| 70) Pentachlorophenol          | 17.13 | 266 | 154     | 4.313   | ng | # 18 |
| 71) Phenanthrene               | 17.53 | 178 | 462589  | 26.935  | ng | 100  |
| 72) Anthracene                 | 17.53 | 178 | 462589  | 27.310  | ng | 99   |
| 73) Carbazole                  | 17.90 | 167 | 64515   | 4.439   | ng | 96   |
| 75) Fluoranthene               | 19.53 | 202 | 56703   | 2.673   | ng | 99   |

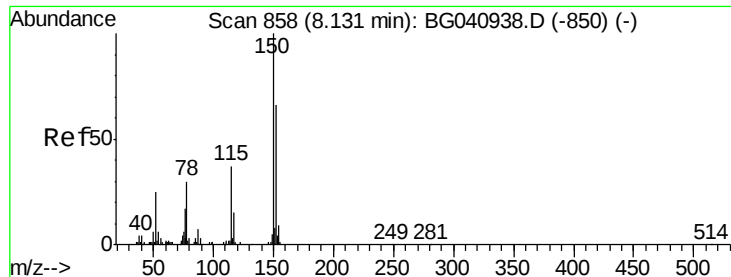
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG061019\  
Data File : BG041173.D  
Acq On : 10 Jun 2019 21:26  
Operator : HP/JU  
Sample : K3214-03RE  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

Quant Time: Jun 11 03:50:46 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG052919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Jun 09 23:08:34 2019  
Response via : Initial Calibration



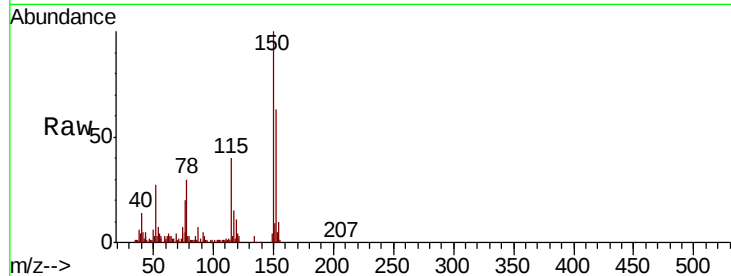


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.8 | 120.6 | 180.8 |
| 115     | 64.0  | 45.1  | 67.7  |

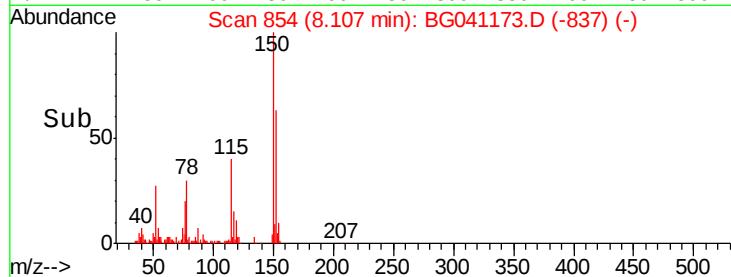
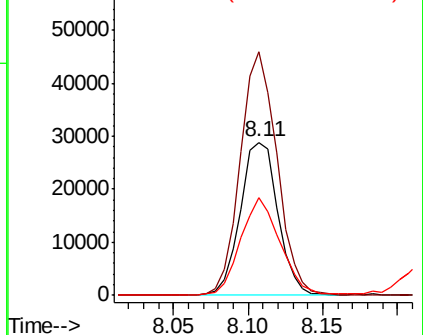


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

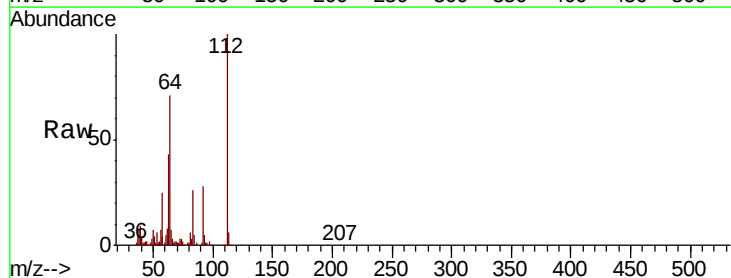
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 73.318 ng  
RT: 5.66 min Scan# 437  
Delta R.T. 0.02 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.9  | 56.2  | 84.2  |
| 63      | 43.0  | 32.8  | 49.2  |

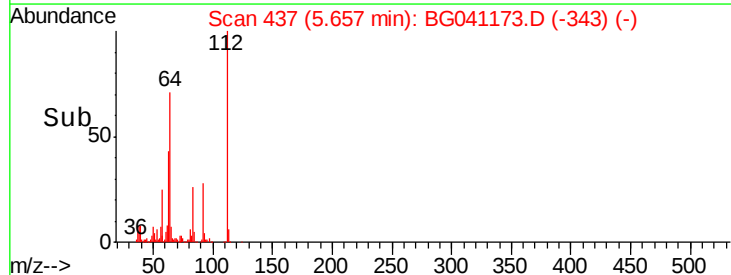
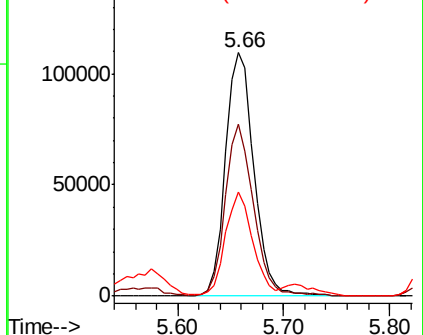


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 44.372 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampled :

MW-4ARE

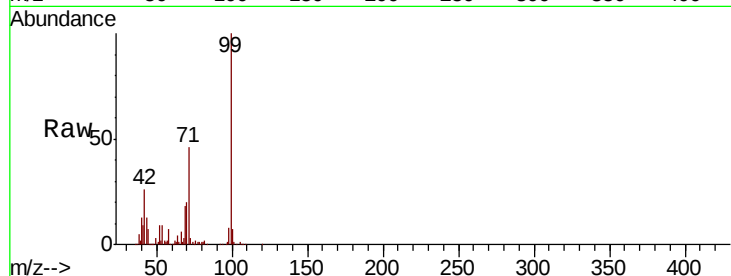
Tgt Ion: 99 Resp: 190537

Ion Ratio Lower Upper

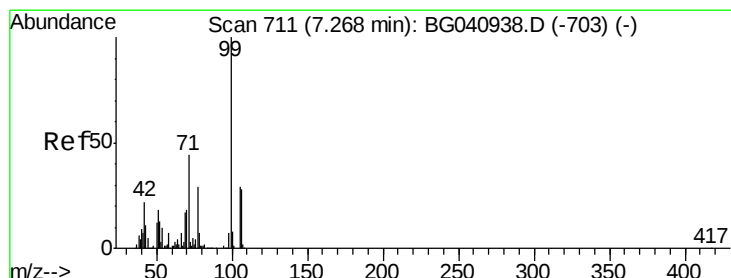
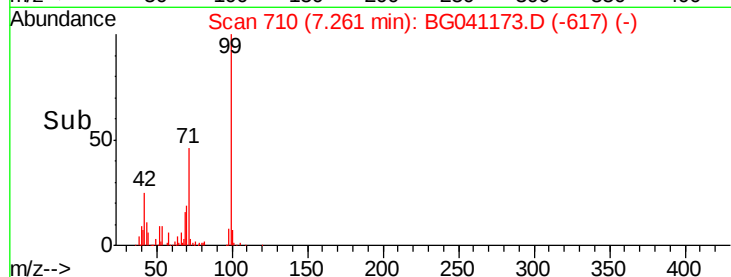
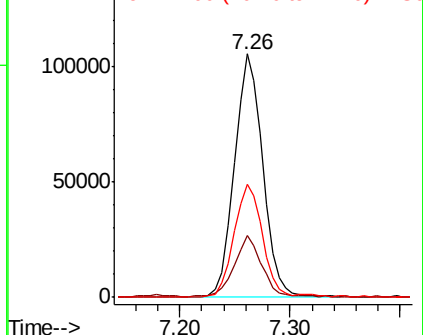
99 100

42 25.7 17.9 26.9

71 46.4 35.4 53.0



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



#9

Benzaldehyde

Concen: 2.485 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

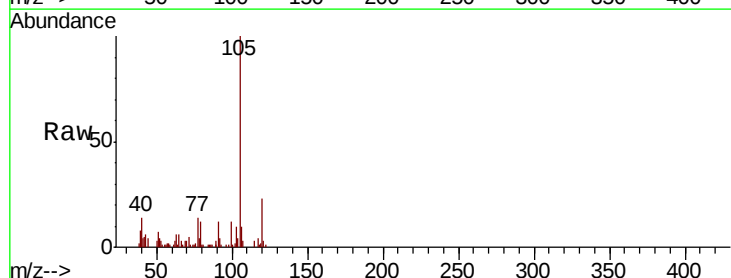
Tgt Ion: 77 Resp: 6366

Ion Ratio Lower Upper

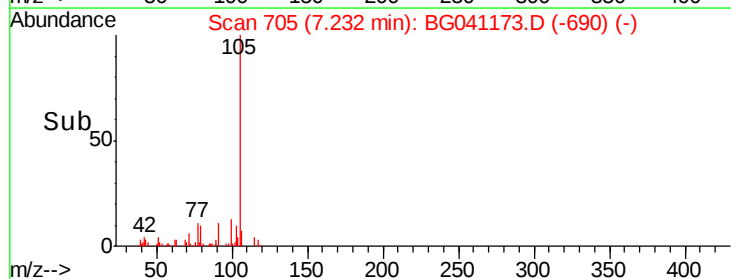
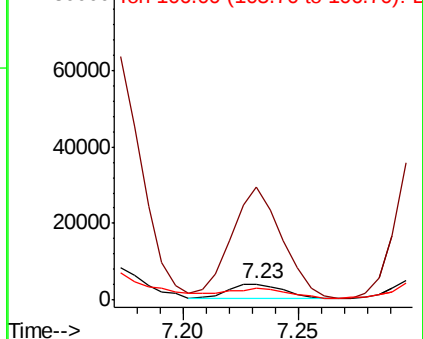
77 100

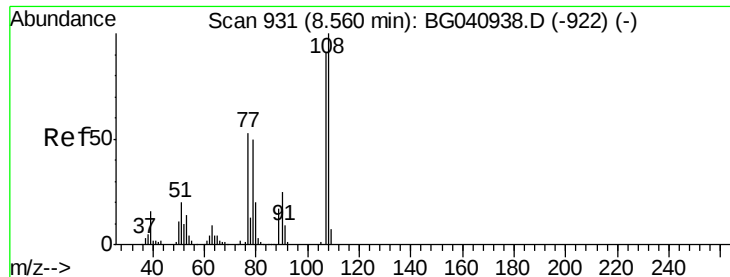
105 698.9 78.9 118.9#

106 73.3 76.7 116.7#



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





#17

2-Methylphenol

Concen: 5.063 ng

RT: 8.54 min Scan# 927

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

Tgt Ion:107 Resp: 16878

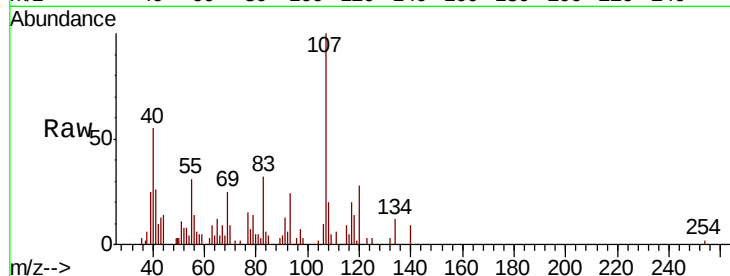
Ion Ratio Lower Upper

107 100

108 19.9 87.7 131.5#

77 15.3 46.6 70.0#

79 13.7 44.6 66.8#



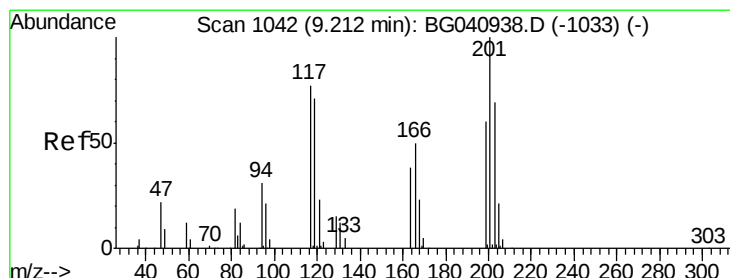
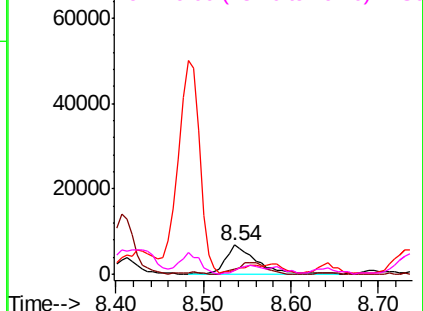
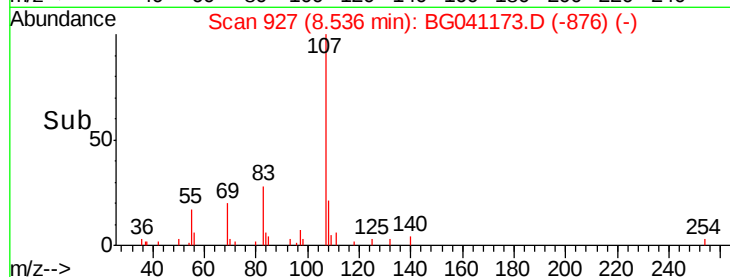
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 18.324 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.03 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

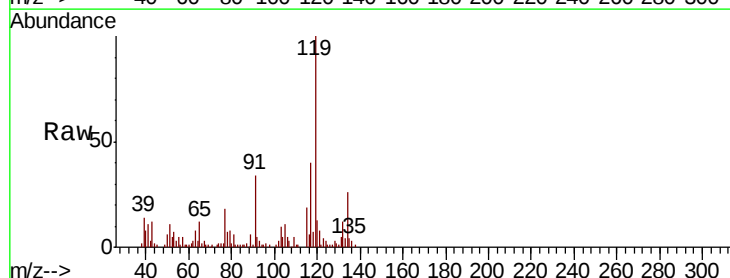
Tgt Ion:117 Resp: 28302

Ion Ratio Lower Upper

117 100

119 252.7 75.0 112.6#

201 0.0 103.5 155.3#

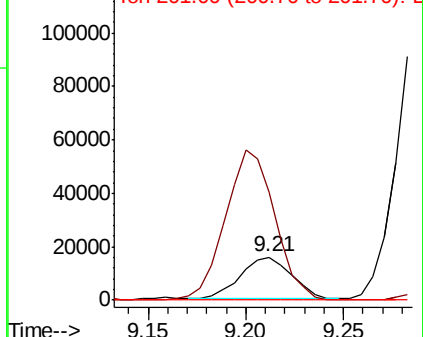
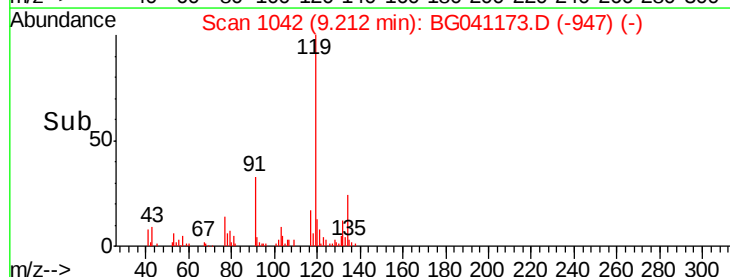


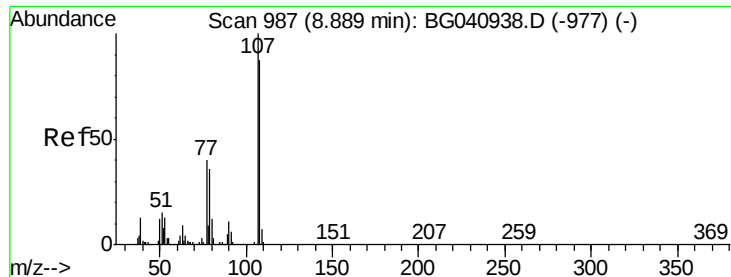
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 45.823 ng

RT: 9.01 min Scan# 1008

Delta R.T. 0.14 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

Tgt Ion:107 Resp: 211597

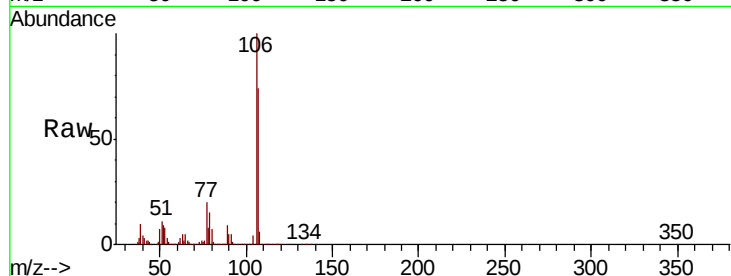
Ion Ratio Lower Upper

107 100

108 7.4 66.8 106.8#

77 27.3 20.5 60.5

79 19.8 15.8 55.8

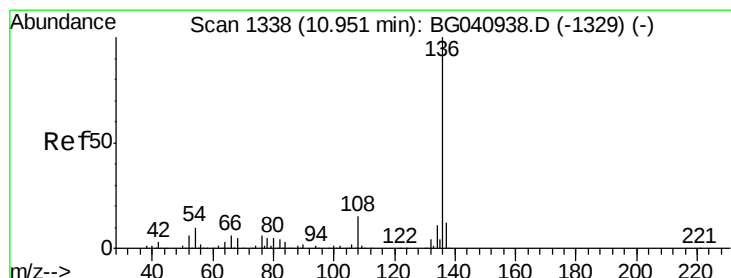
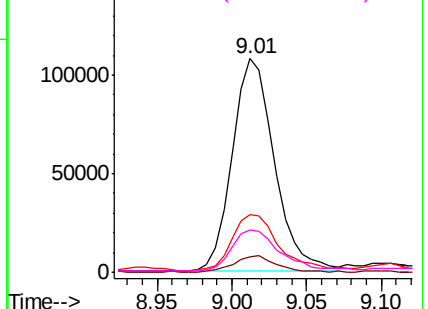
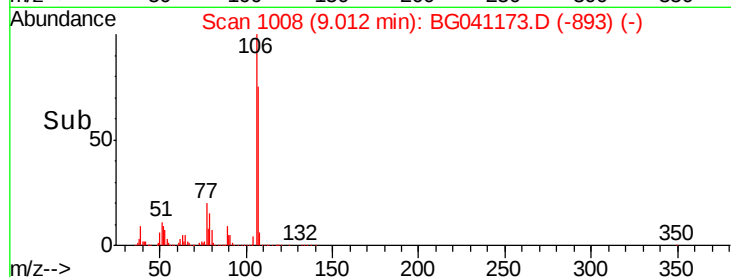


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1337

Delta R.T. 0.02 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:136 Resp: 191228

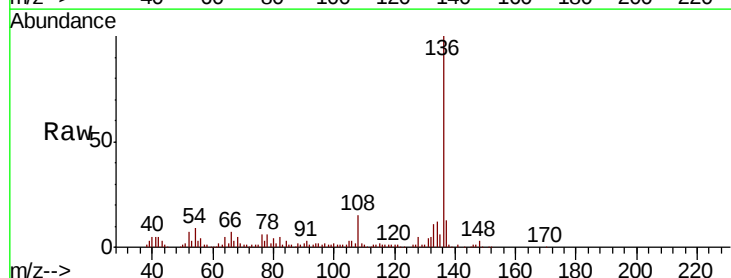
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 9.4 7.6 11.4

68 5.2 3.9 5.9

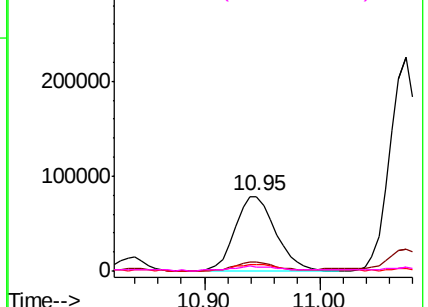
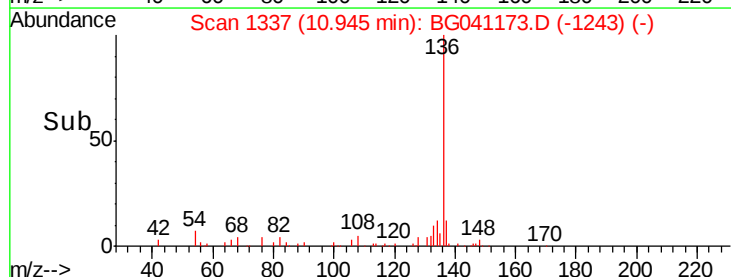


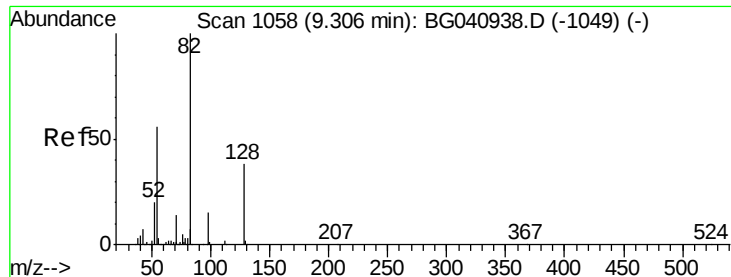
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

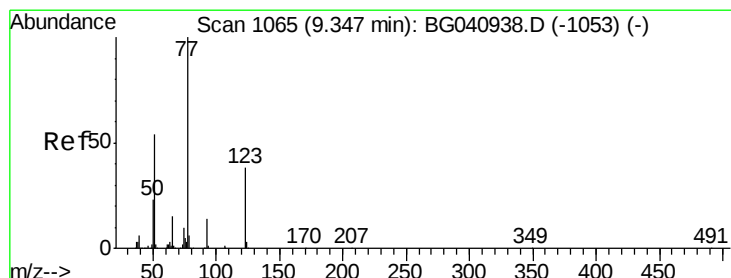
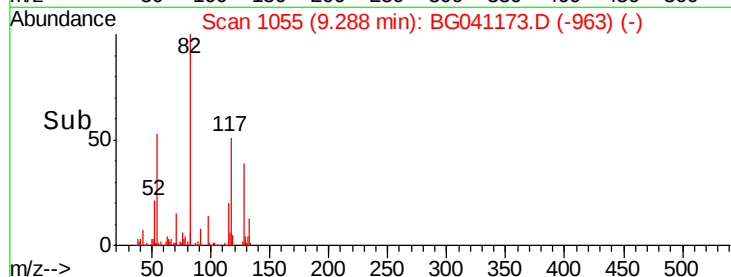
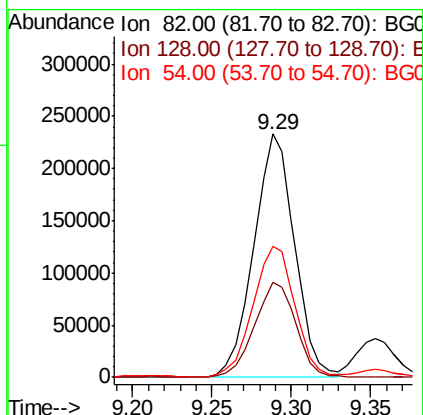
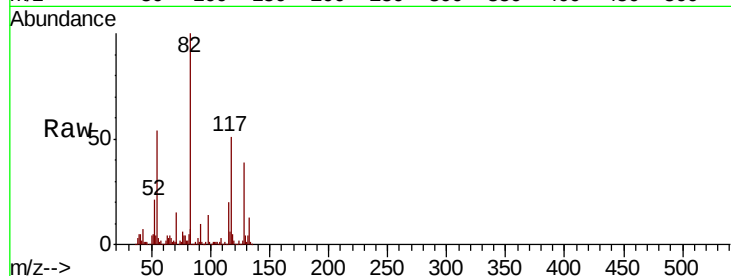




#23  
 Nitrobenzene-d5  
 Concen: 96.351 ng  
 RT: 9.29 min Scan# 1055  
 Delta R.T. 0.01 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

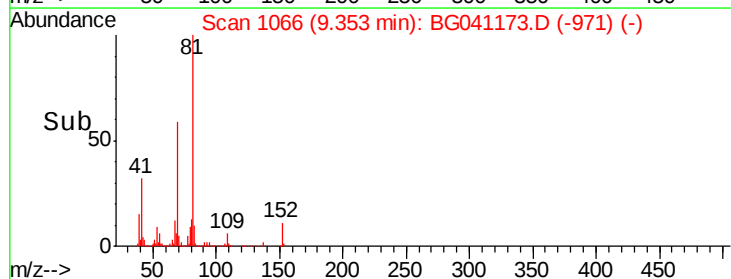
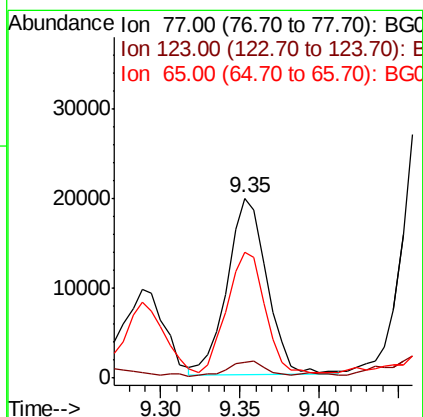
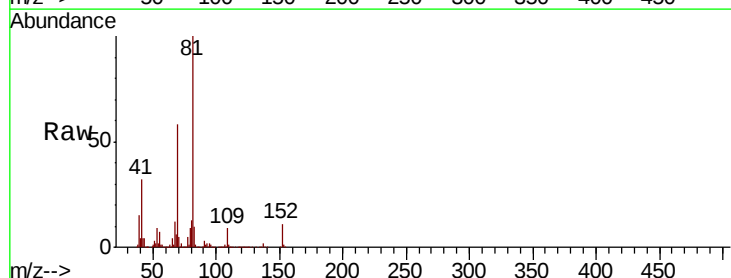
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

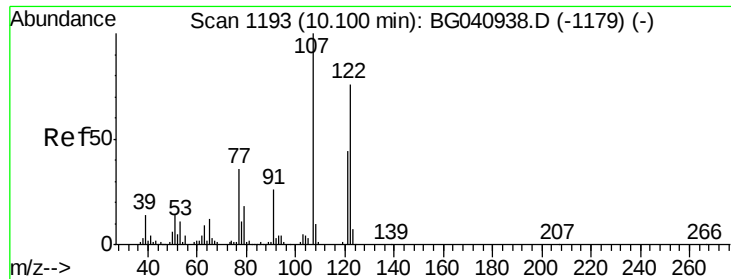
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.0  | 30.5  | 45.7  |
| 54      | 53.8  | 44.6  | 66.8  |



#24  
 Nitrobenzene  
 Concen: 7.774 ng  
 RT: 9.35 min Scan# 1066  
 Delta R.T. 0.03 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 8.6   | 30.6  | 46.0# |
| 65      | 70.3  | 12.3  | 18.5# |

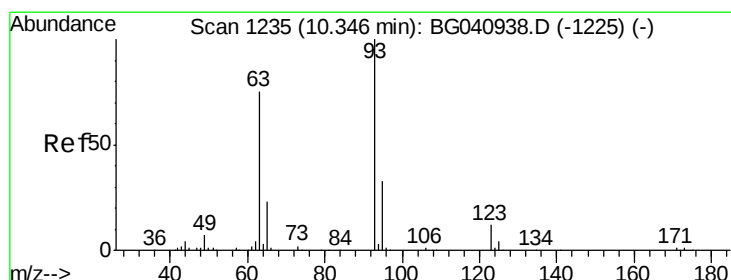
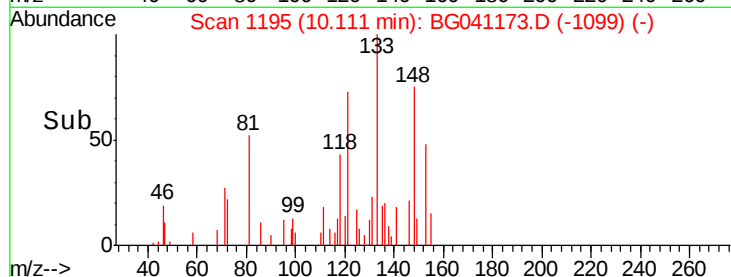
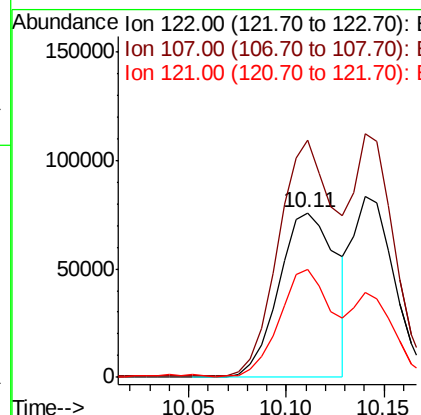
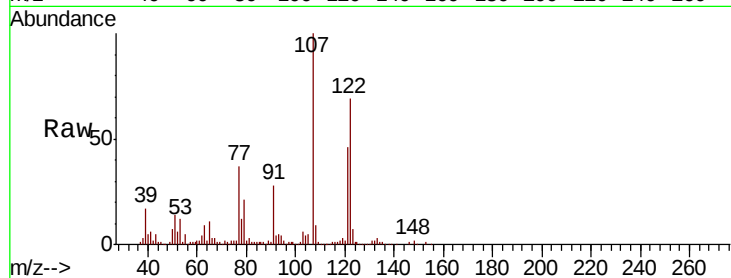




#27  
 2,4-Dimethylphenol  
 Concen: 52.053 ng  
 RT: 10.11 min Scan# 1195  
 Delta R.T. 0.03 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

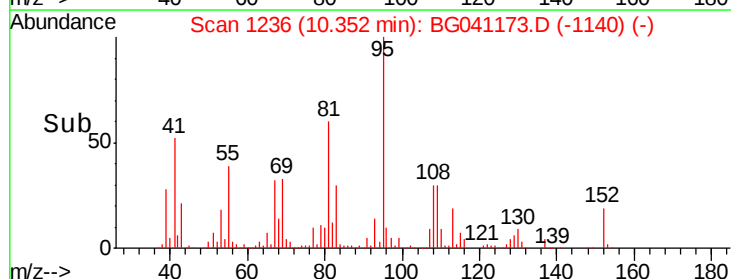
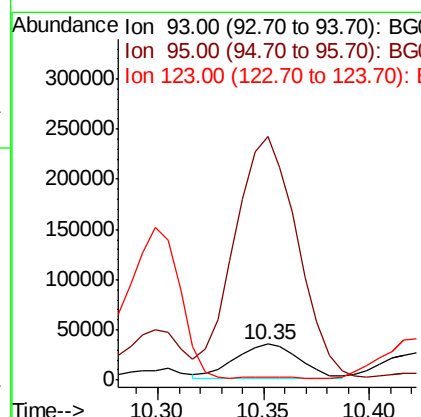
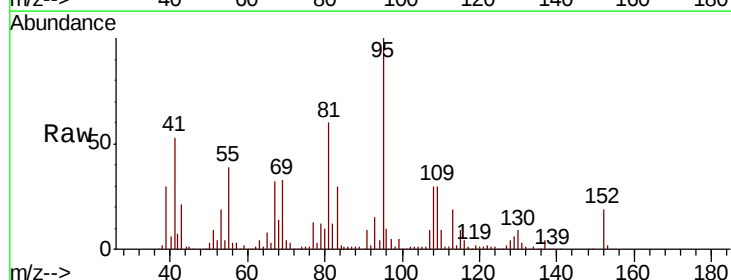
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

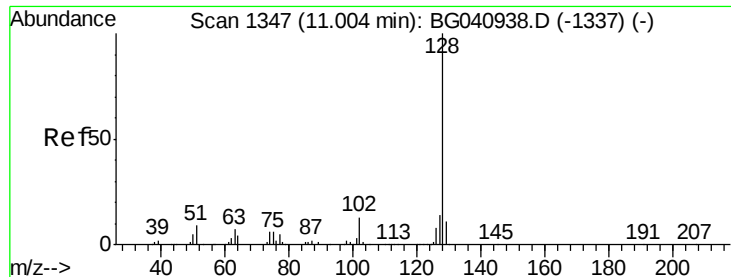
Tgt Ion:122 Resp: 155577  
 Ion Ratio Lower Upper  
 122 100  
 107 144.1 105.9 158.9  
 121 65.6 46.2 69.4



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 15.946 ng  
 RT: 10.35 min Scan# 1236  
 Delta R.T. 0.03 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

Tgt Ion: 93 Resp: 70552  
 Ion Ratio Lower Upper  
 93 100  
 95 681.2 26.2 39.2#  
 123 9.4 9.5 14.3#

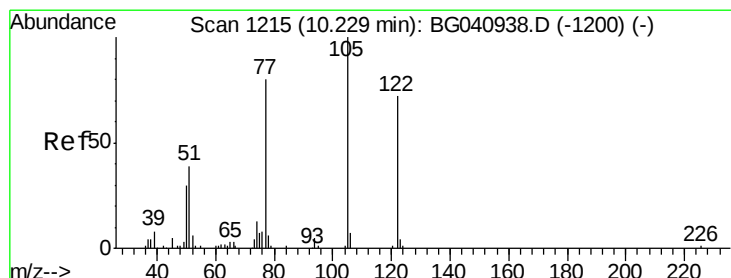
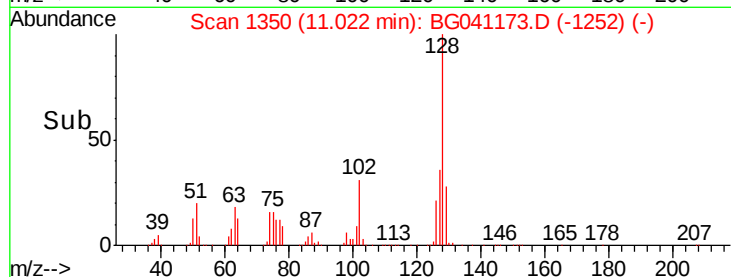
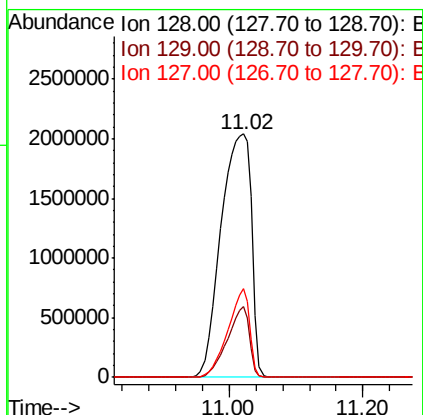
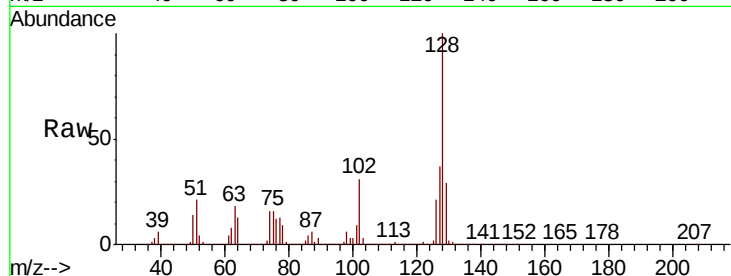




#31  
Naphthalene  
Concen: 638.088 ng  
RT: 11.02 min Scan# 1350  
Delta R.T. 0.04 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

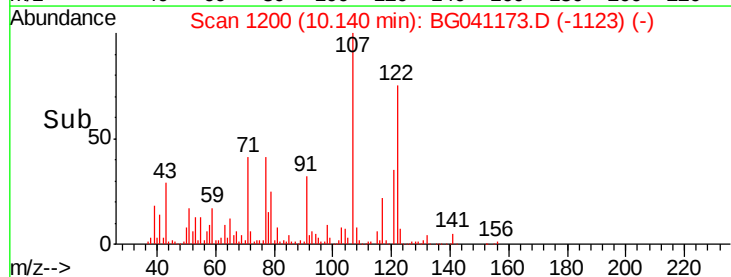
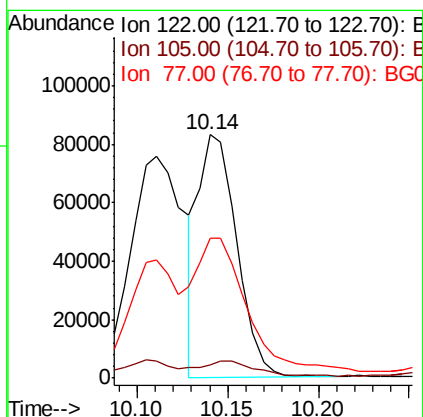
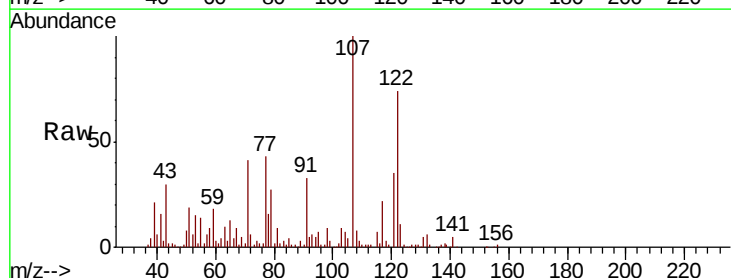
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

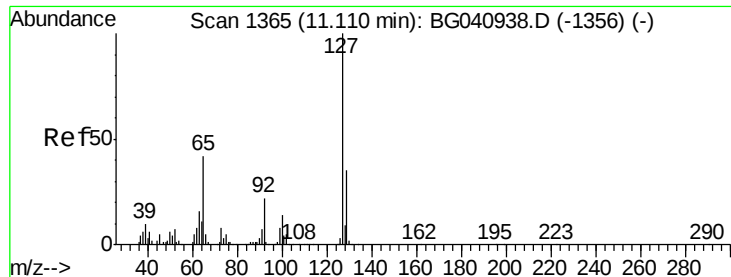
Tgt Ion:128 Resp: 6551387  
Ion Ratio Lower Upper  
128 100  
129 28.8 8.5 12.7#  
127 36.5 11.4 17.2#



#32  
Benzoic acid  
Concen: 51.394 ng  
RT: 10.14 min Scan# 1200  
Delta R.T. -0.08 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

Tgt Ion:122 Resp: 121047  
Ion Ratio Lower Upper  
122 100  
105 5.5 114.8 154.8#  
77 57.3 89.9 129.9#

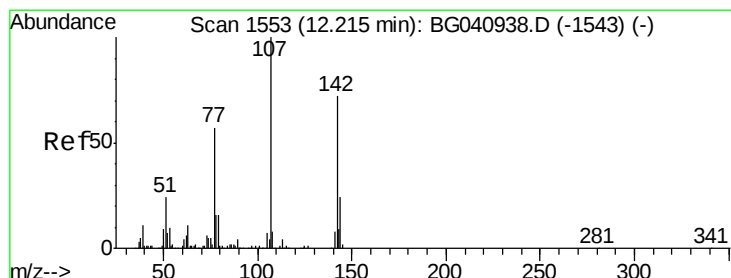
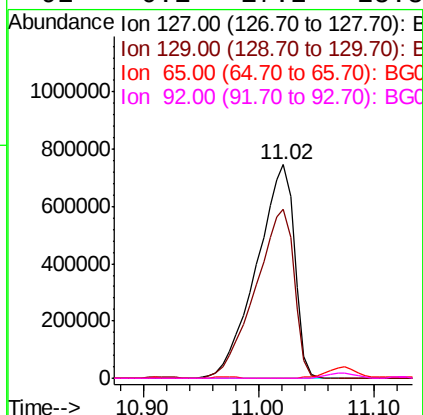
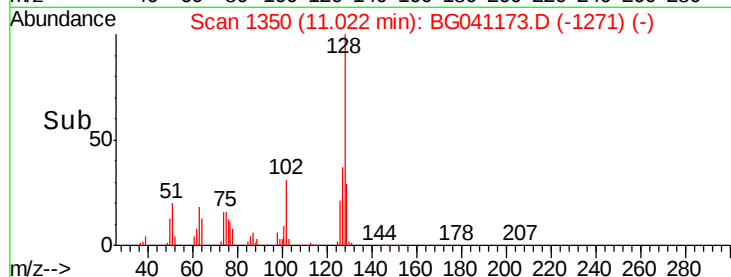
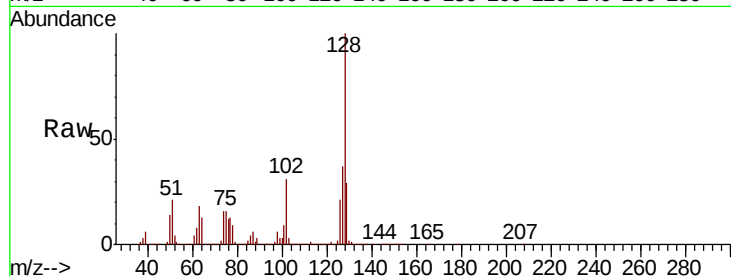




#33  
4-Chloroaniline  
Concen: 356.952 ng  
RT: 11.02 min Scan# 1350  
Delta R.T. -0.07 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

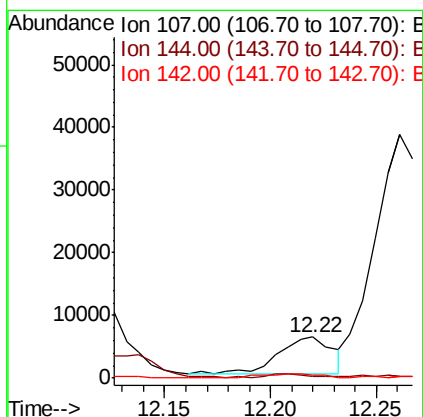
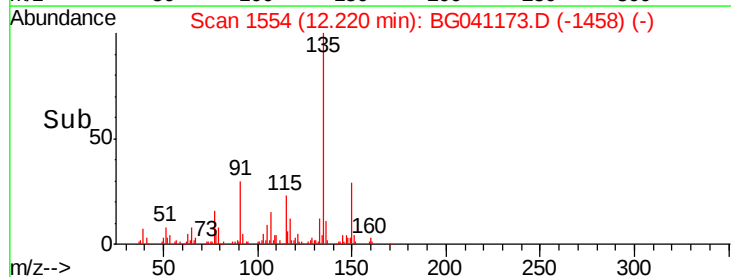
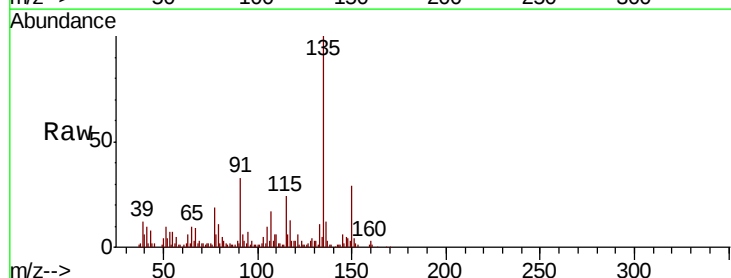
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

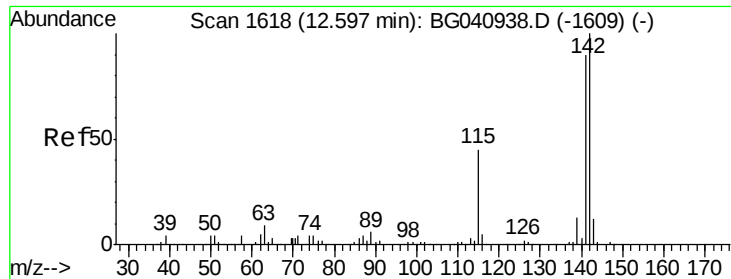
Tgt Ion:127 Resp: 1700469  
Ion Ratio Lower Upper  
127 100  
129 79.0 27.7 41.5#  
65 0.0 33.2 49.8#  
92 0.1 17.2 25.8#



#36  
4-Chloro-3-methylphenol  
Concen: 2.513 ng  
RT: 12.22 min Scan# 1554  
Delta R.T. 0.03 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

Tgt Ion:107 Resp: 10893  
Ion Ratio Lower Upper  
107 100  
144 3.7 19.4 29.0#  
142 5.8 57.3 85.9#

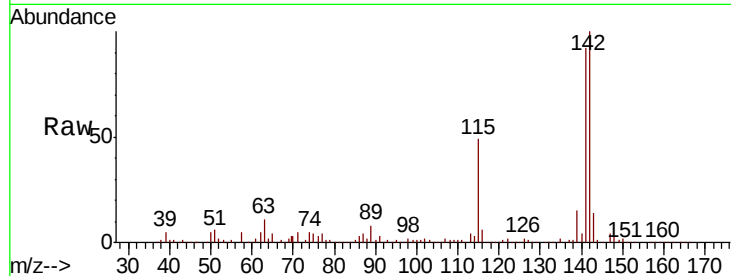




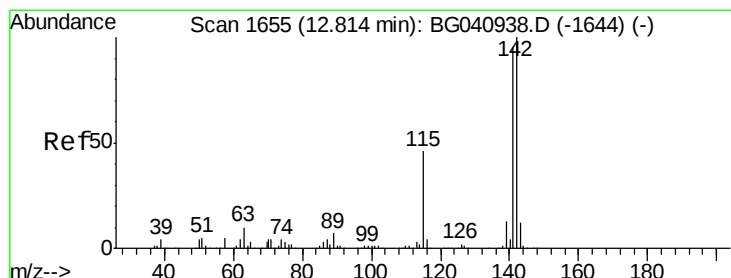
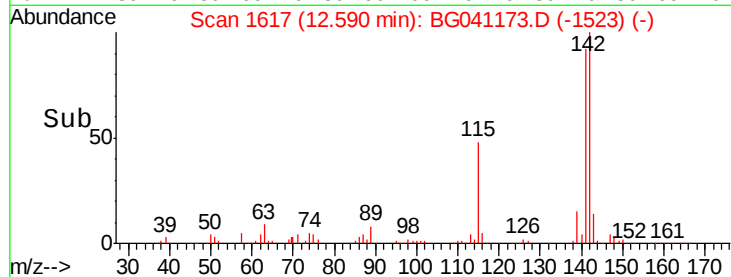
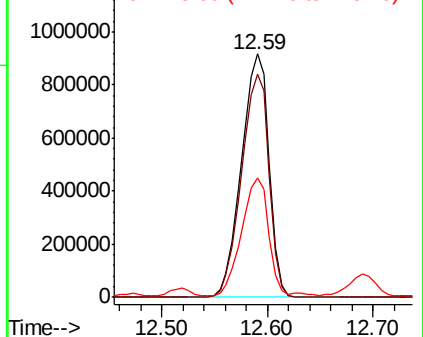
#37  
 2-Methylnaphthalene  
 Concen: 209.132 ng  
 RT: 12.59 min Scan# 1617  
 Delta R.T. 0.02 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

Tgt Ion:142 Resp: 1653738  
 Ion Ratio Lower Upper  
 142 100  
 141 91.8 72.2 108.4  
 115 49.1 36.2 54.4

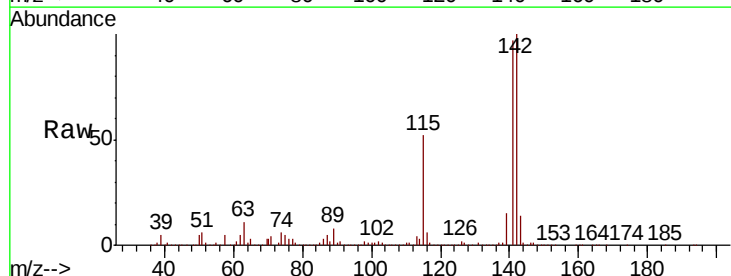


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

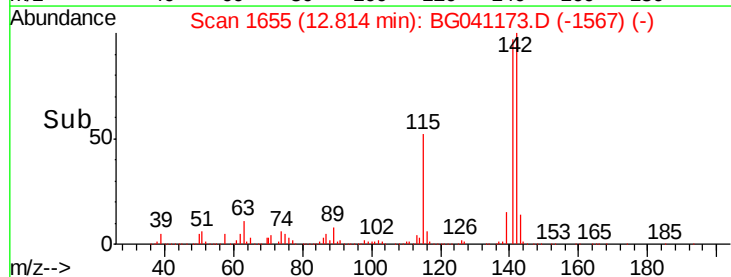
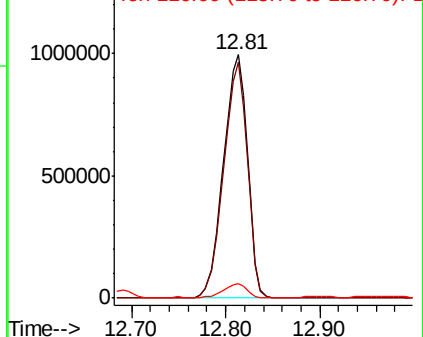


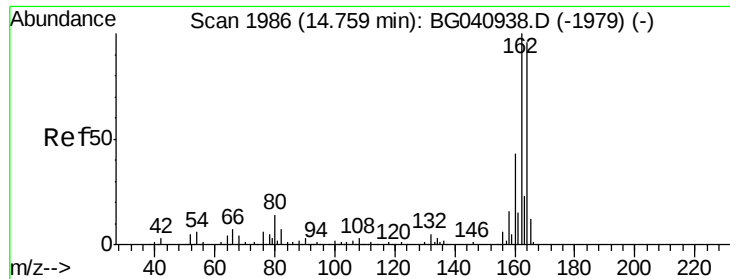
#38  
 1-Methylnaphthalene  
 Concen: 239.659 ng  
 RT: 12.81 min Scan# 1655  
 Delta R.T. 0.02 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

Tgt Ion:142 Resp: 1785846  
 Ion Ratio Lower Upper  
 142 100  
 141 96.8 75.7 113.5  
 116 6.0 3.4 5.2#



Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

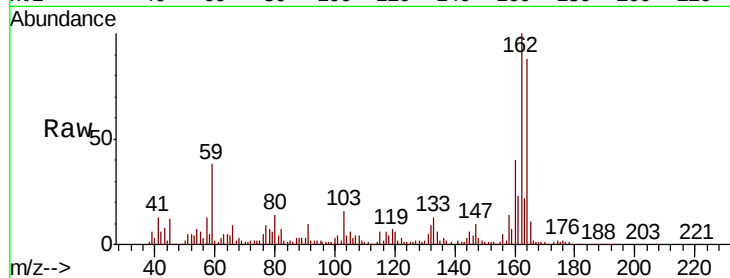
Tgt Ion:164 Resp: 140668

Ion Ratio Lower Upper

164 100

162 113.6 83.0 124.4

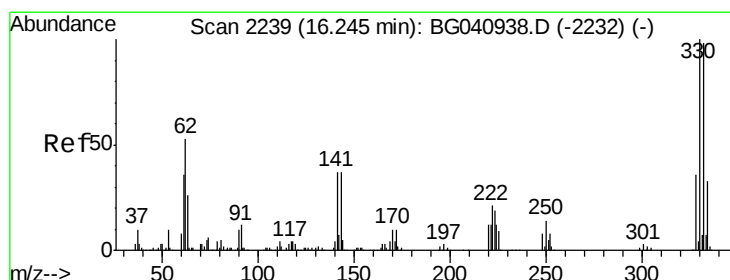
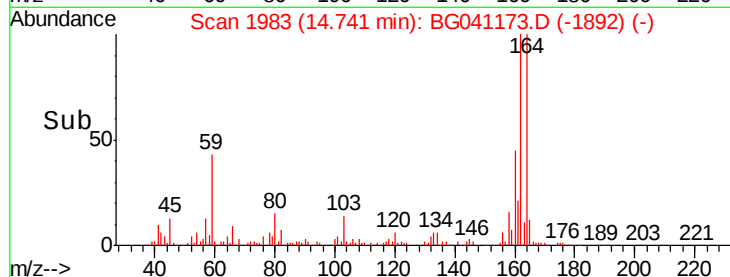
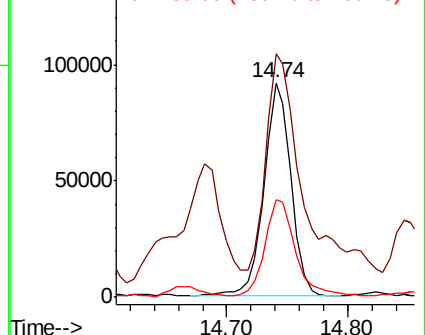
160 45.7 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 144.889 ng

RT: 16.23 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

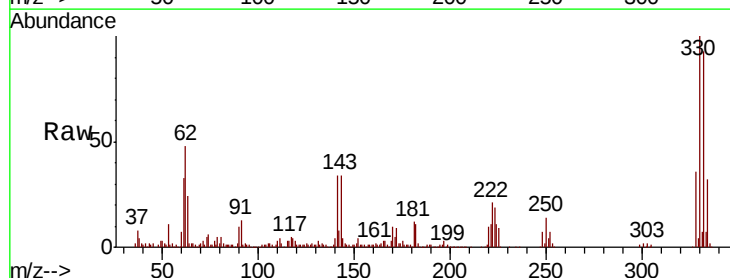
Tgt Ion:330 Resp: 302573

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

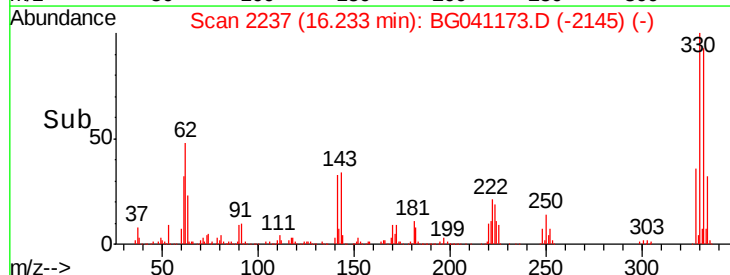
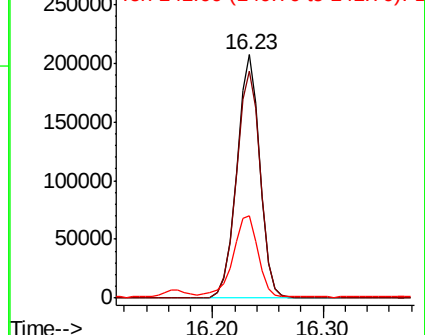
141 36.2 28.7 43.1

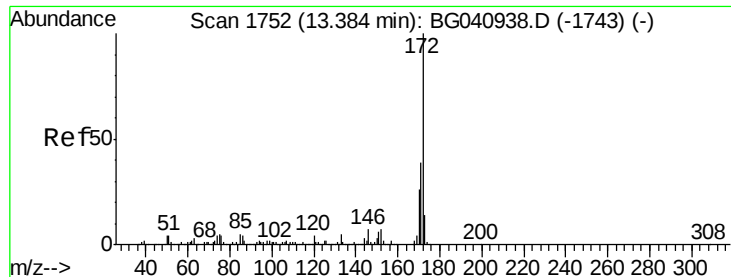


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

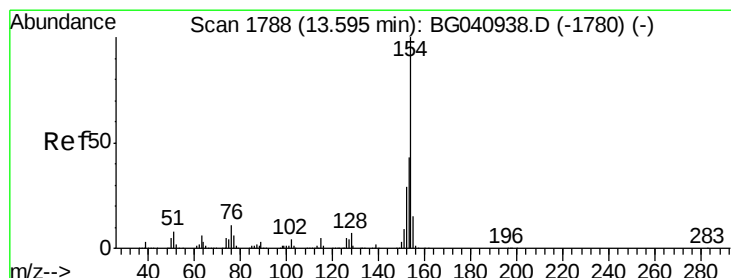
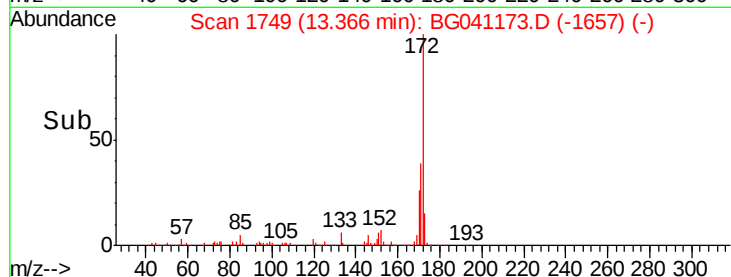
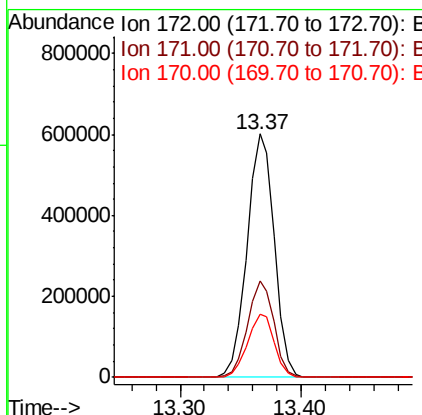
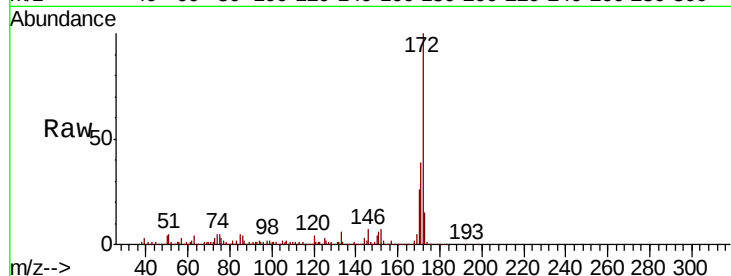




#45  
2-Fluorobiphenyl  
Concen: 96.242 ng  
RT: 13.37 min Scan# 1749  
Delta R.T. 0.01 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

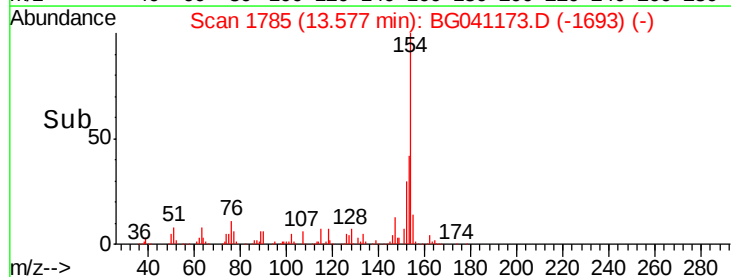
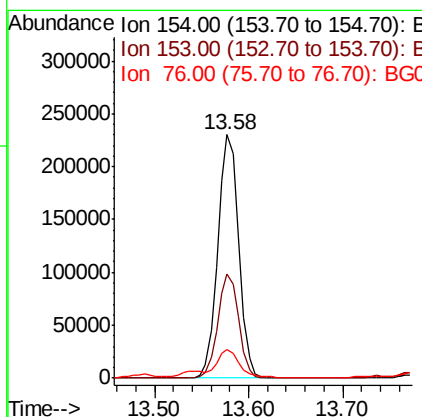
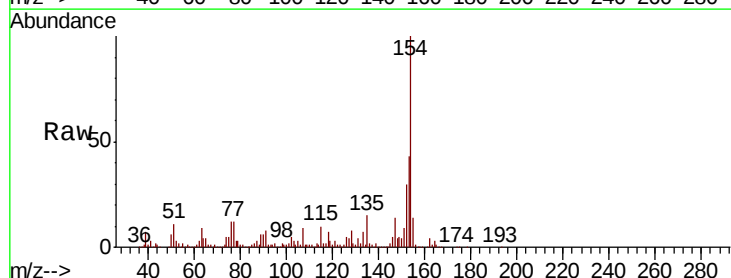
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

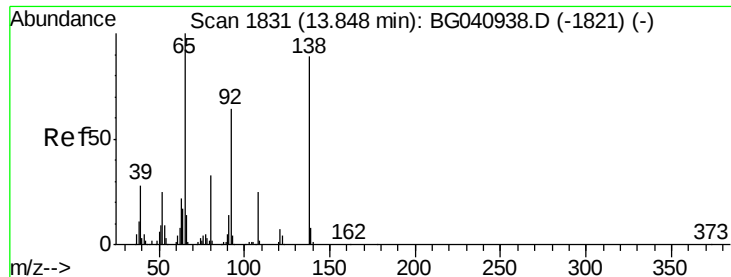
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.4  | 31.1  | 46.7  |
| 170     | 25.9  | 20.5  | 30.7  |



#46  
1,1'-Biphenyl  
Concen: 34.248 ng  
RT: 13.58 min Scan# 1785  
Delta R.T. 0.01 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.7  | 23.3  | 63.3  |
| 76      | 11.7  | 0.0   | 31.1  |

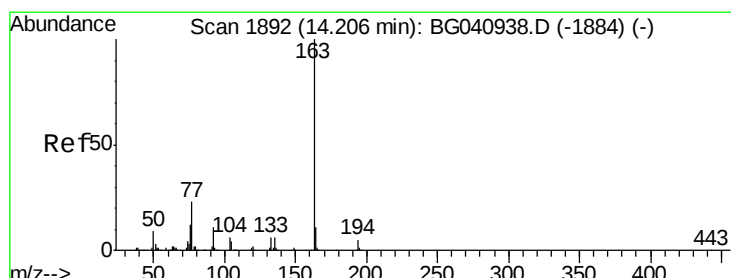
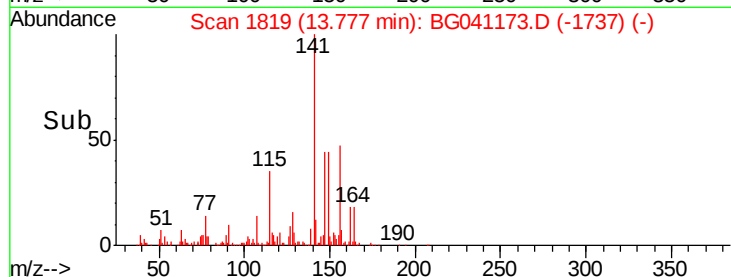
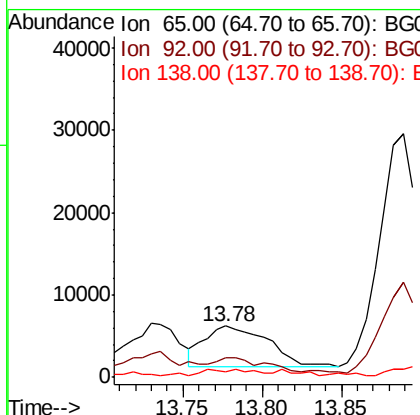
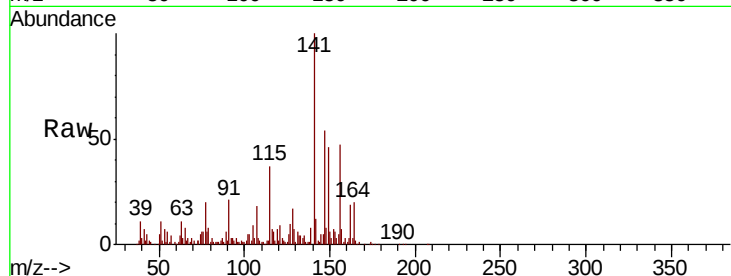




#48  
2-Nitroaniline  
Concen: 4.220 ng  
RT: 13.78 min Scan# 1819  
Delta R.T. -0.05 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

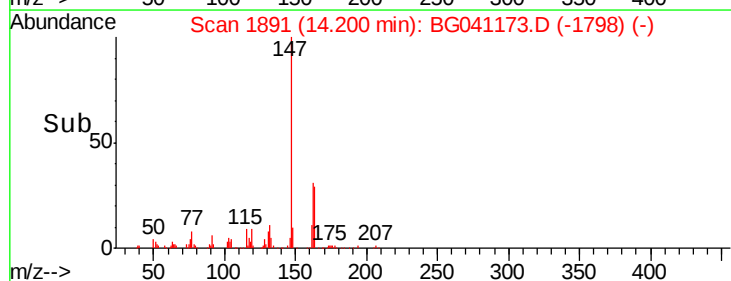
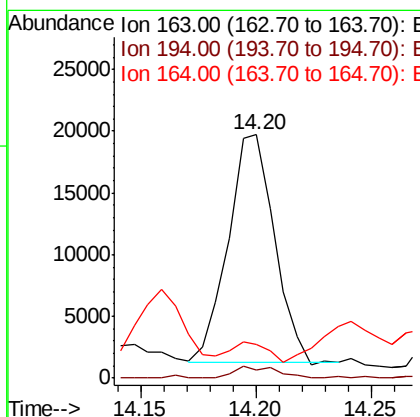
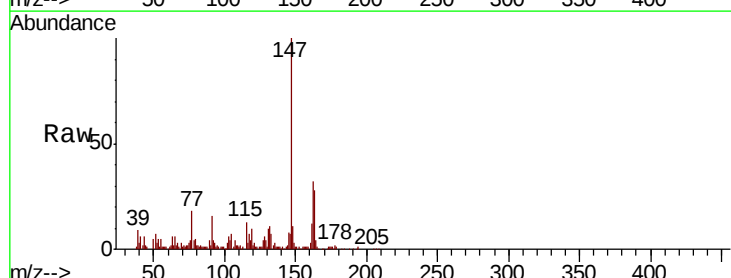
Instrument :  
BNA\_G  
ClientSampleId :  
MW-4ARE

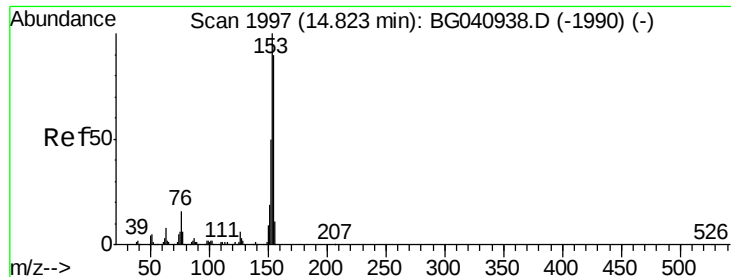
Tgt Ion: 65 Resp: 13533  
Ion Ratio Lower Upper  
65 100  
92 39.3 51.0 76.6#  
138 10.0 71.2 106.8#



#50  
Dimethylphthalate  
Concen: 2.169 ng  
RT: 14.20 min Scan# 1891  
Delta R.T. 0.01 min  
Lab File: BG041173.D  
Acq: 10 Jun 2019 21:26

Tgt Ion: 163 Resp: 25822  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.8 5.8#  
164 13.9 8.7 13.1#





#52

Acenaphthene

Concen: 74.577 ng

RT: 14.81 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

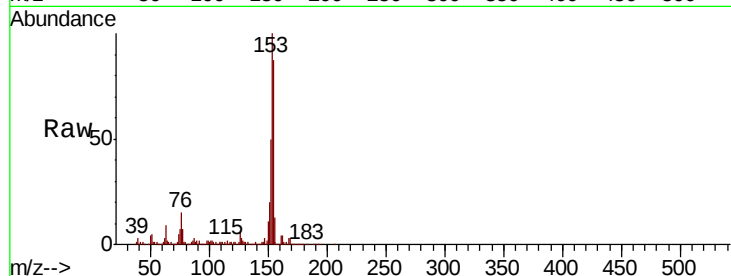
Tgt Ion:154 Resp: 607819

Ion Ratio Lower Upper

154 100

153 114.5 88.6 133.0

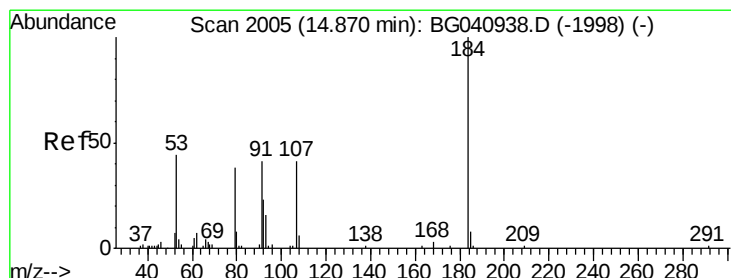
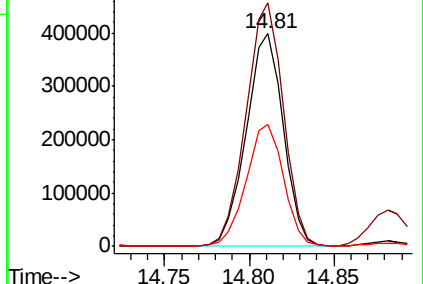
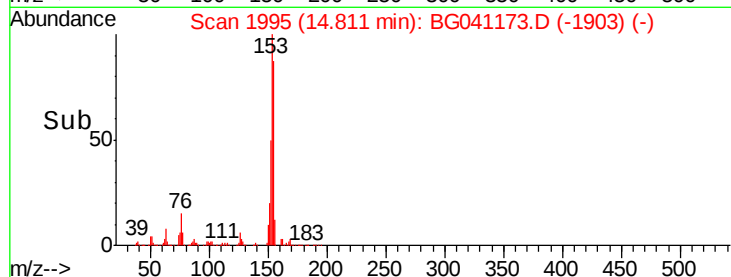
152 57.2 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

2,4-Dinitrophenol

Concen: 22.290 ng

RT: 15.03 min Scan# 2032

Delta R.T. 0.17 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

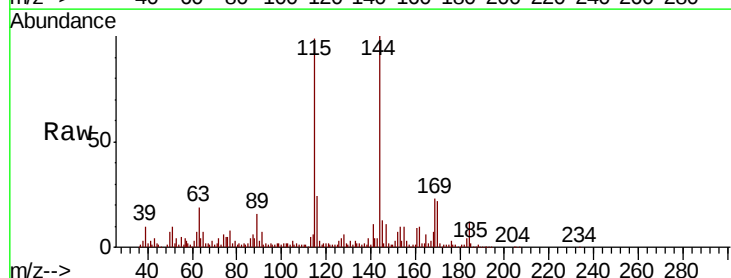
Tgt Ion:184 Resp: 15989

Ion Ratio Lower Upper

184 100

63 156.4 49.8 74.6#

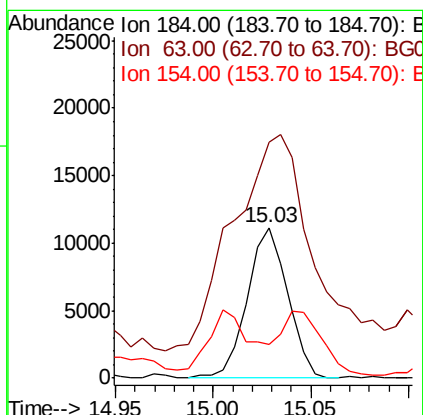
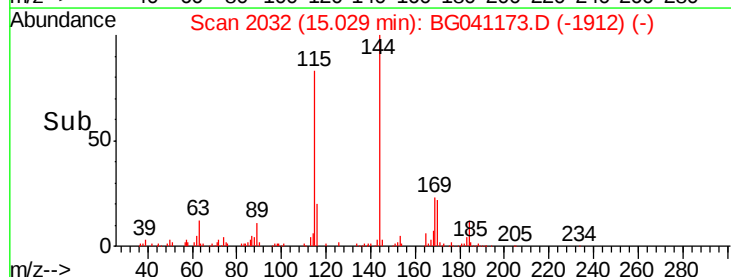
154 22.4 52.2 78.4#

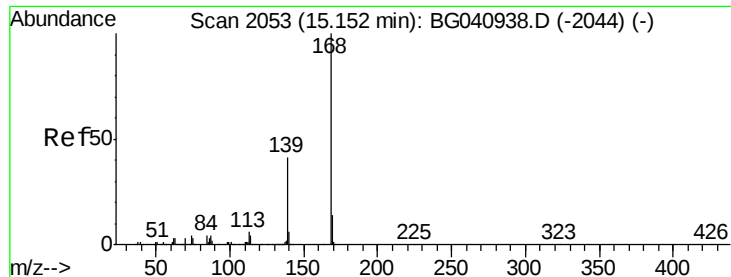


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

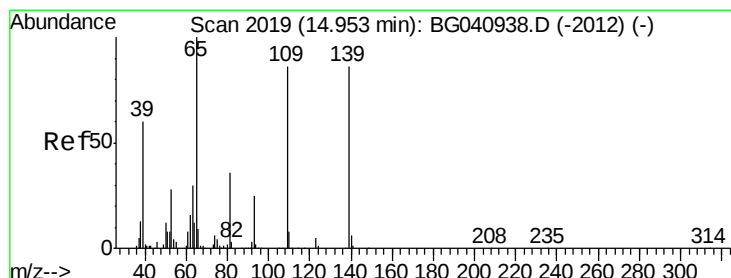
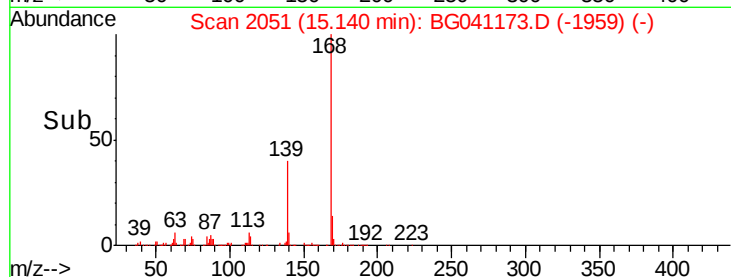
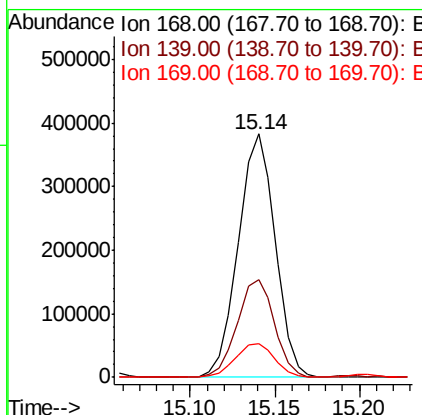
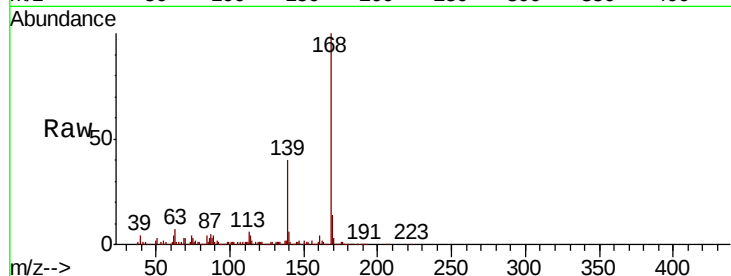




#55  
 Dibenzofuran  
 Concen: 42.282 ng  
 RT: 15.14 min Scan# 2051  
 Delta R.T. 0.01 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

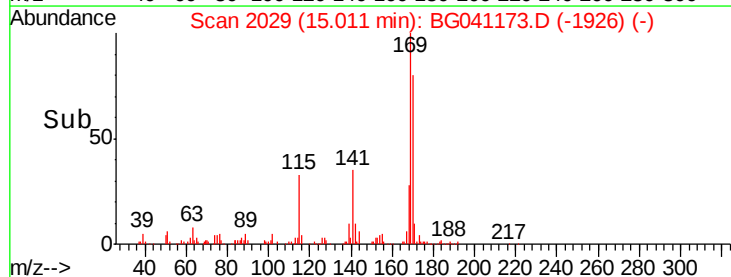
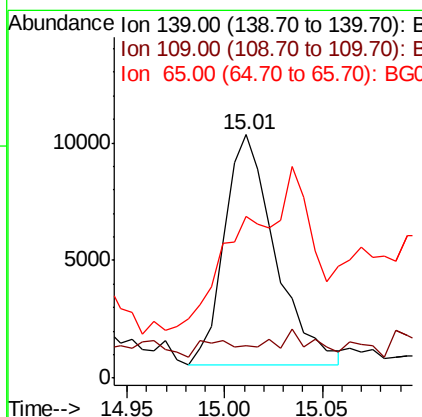
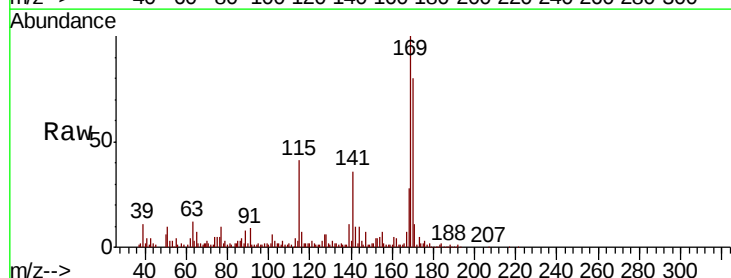
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

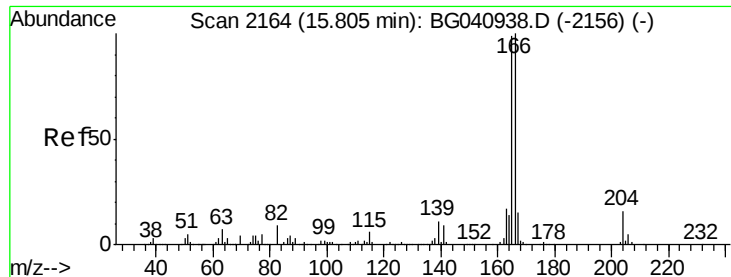
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 40.3  | 32.8  | 49.2  |
| 169     | 13.7  | 11.3  | 16.9  |



#56  
 4-Nitrophenol  
 Concen: 10.024 ng  
 RT: 15.01 min Scan# 2029  
 Delta R.T. 0.07 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 13.4  | 79.6  | 119.6# |
| 65      | 66.3  | 96.9  | 136.9# |

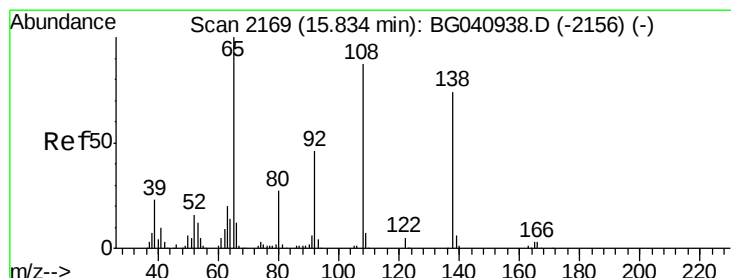
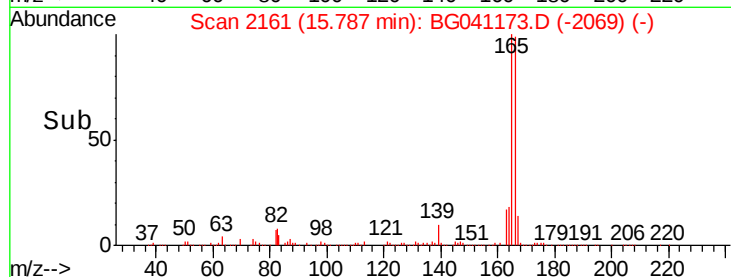
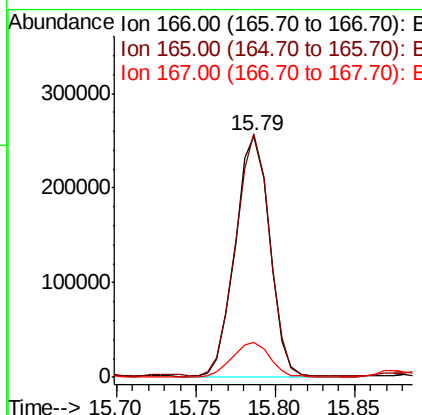
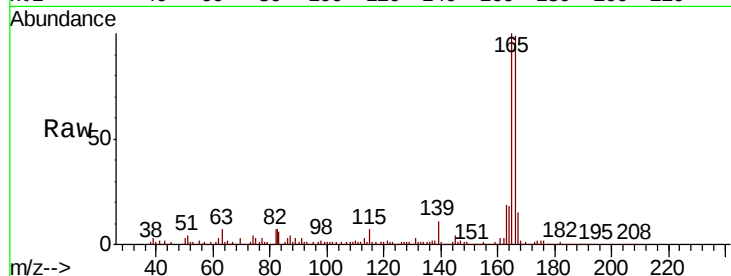




#58  
 Fluorene  
 Concen: 35.140 ng  
 RT: 15.79 min Scan# 2161  
 Delta R.T. 0.01 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

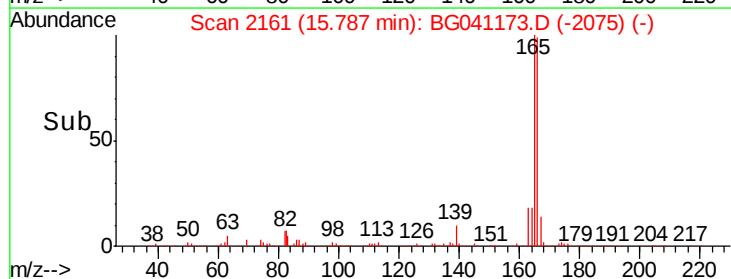
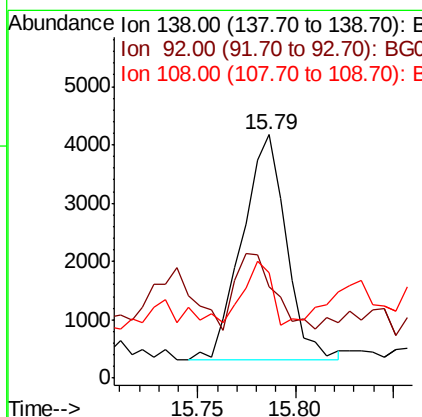
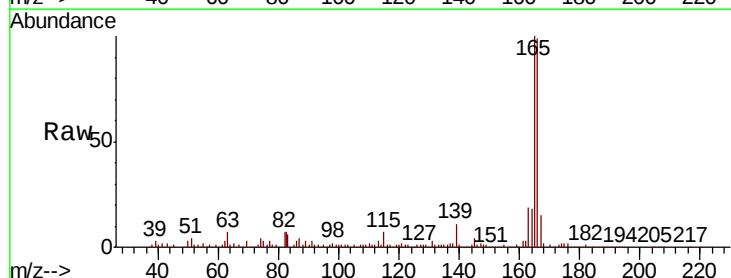
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

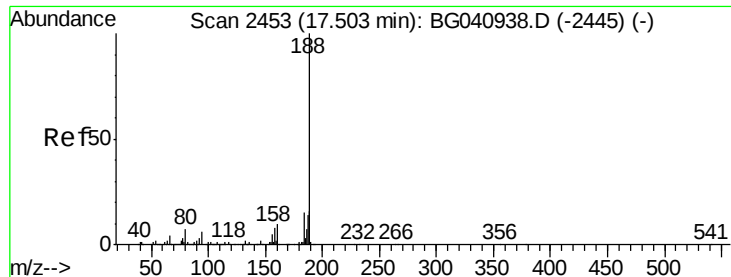
Tgt Ion:166 Resp: 383786  
 Ion Ratio Lower Upper  
 166 100  
 165 100.9 79.2 118.8  
 167 14.7 11.8 17.6



#62  
 4-Nitroaniline  
 Concen: 2.204 ng  
 RT: 15.79 min Scan# 2161  
 Delta R.T. -0.03 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

Tgt Ion:138 Resp: 5991  
 Ion Ratio Lower Upper  
 138 100  
 92 37.5 42.4 82.4#  
 108 43.2 96.9 136.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

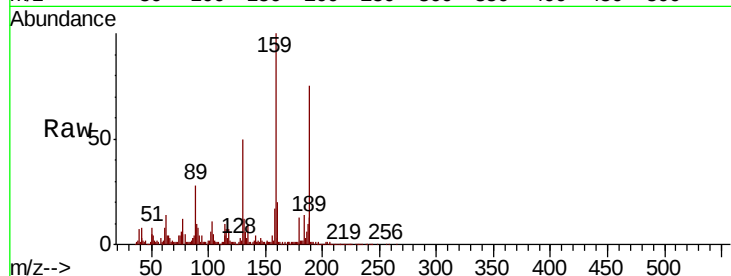
Tgt Ion:188 Resp: 329709

Ion Ratio Lower Upper

188 100

94 5.8 4.7 7.1

80 7.3 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

250000

200000

150000

100000

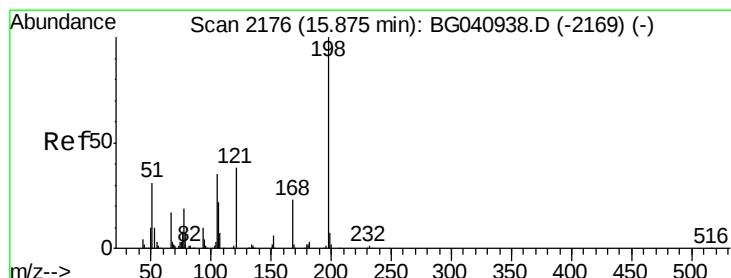
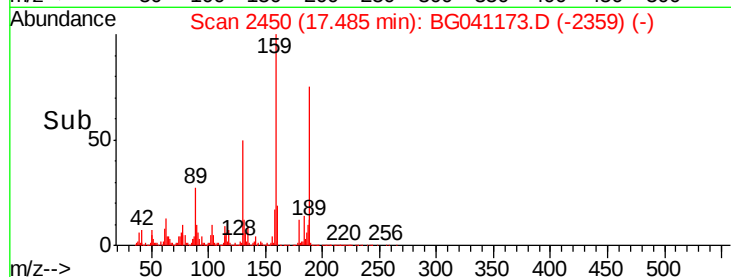
50000

0

17.48

17.40 17.45 17.50 17.55

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.755 ng

RT: 15.87 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

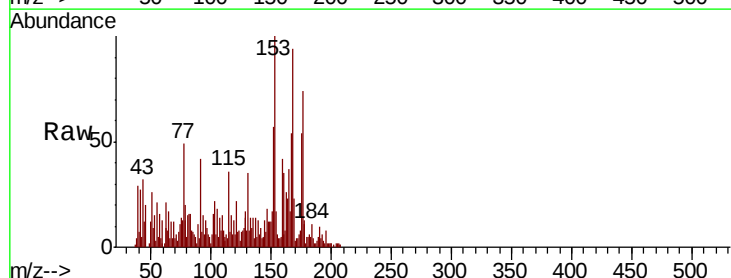
Tgt Ion:198 Resp: 355

Ion Ratio Lower Upper

198 100

51 1531.0 21.6 61.6#

105 1070.4 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

8000

6000

4000

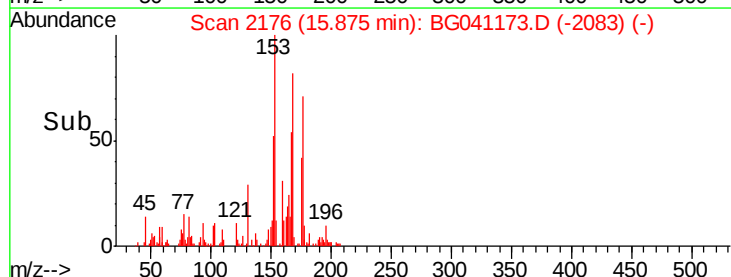
2000

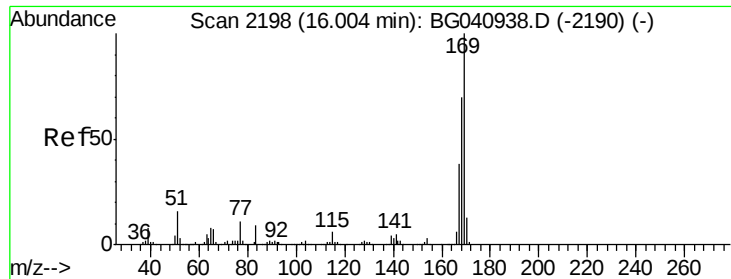
0

15.87

15.82 15.84 15.86 15.88

Time-->

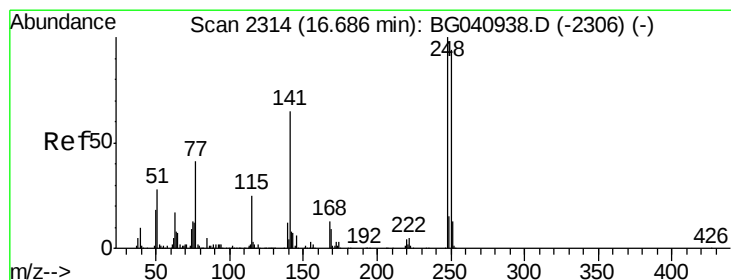
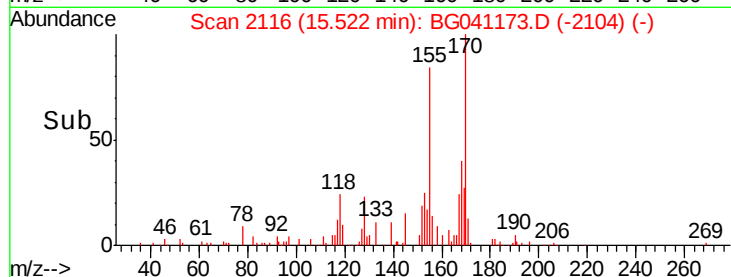
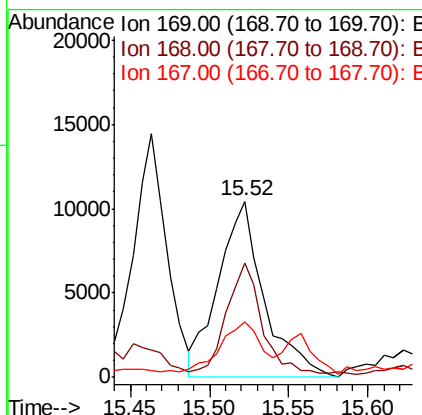
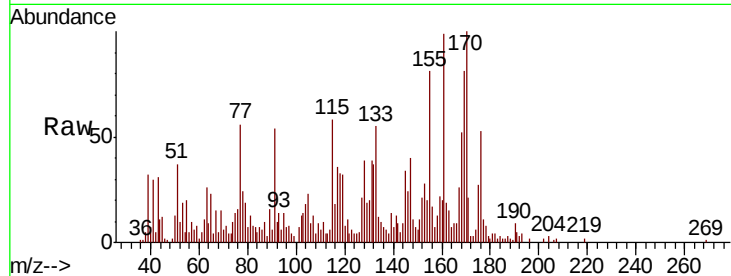




#66  
 n-Nitrosodiphenylamine  
 Concen: 2.263 ng  
 RT: 15.52 min Scan# 2116  
 Delta R.T. -0.46 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

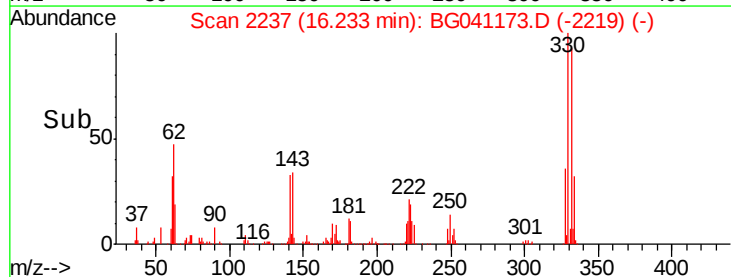
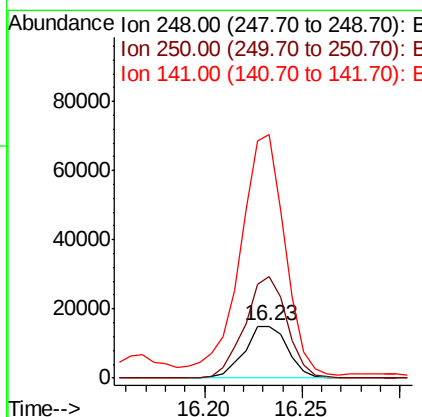
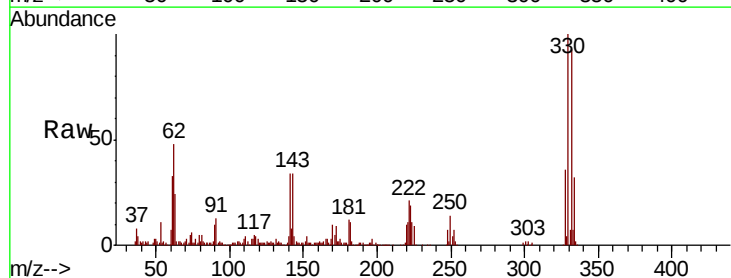
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

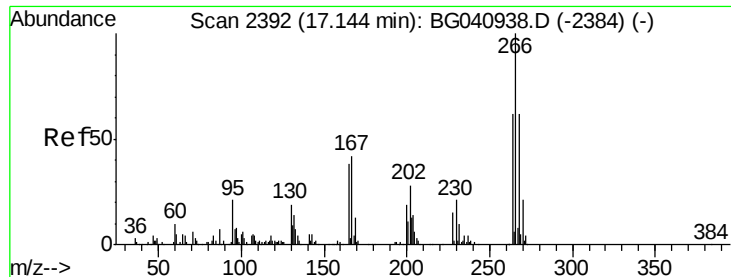
Tgt Ion:169 Resp: 20971  
 Ion Ratio Lower Upper  
 169 100  
 168 64.9 55.7 83.5  
 167 31.8 30.2 45.2



#67  
 4-Bromophenyl-phenylether  
 Concen: 5.178 ng  
 RT: 16.23 min Scan# 2237  
 Delta R.T. -0.43 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

Tgt Ion:248 Resp: 23038  
 Ion Ratio Lower Upper  
 248 100  
 250 194.6 75.0 112.4#  
 141 469.6 52.4 78.6#

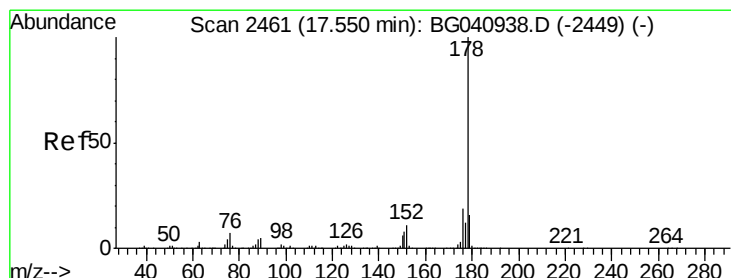
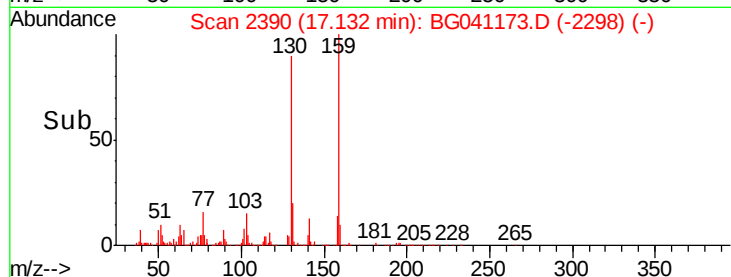
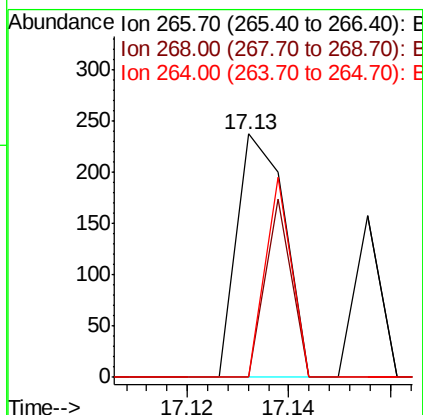
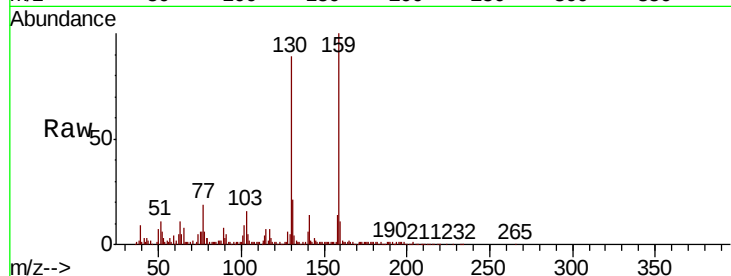




#70  
 Pentachlorophenol  
 Concen: 4.313 ng  
 RT: 17.13 min Scan# 2390  
 Delta R.T. 0.01 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

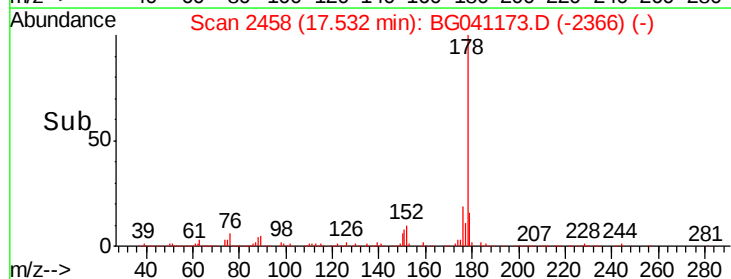
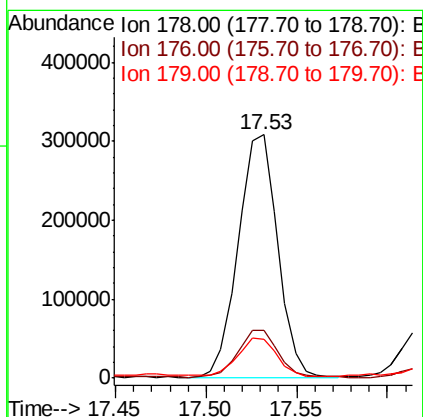
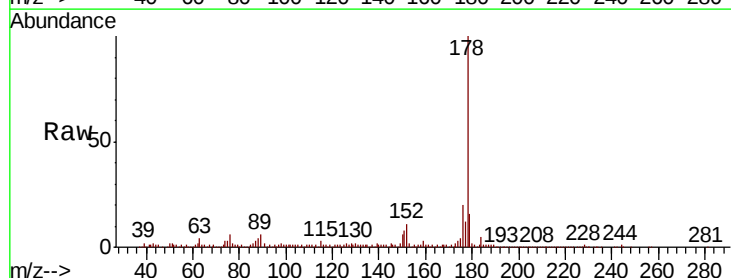
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-4ARE

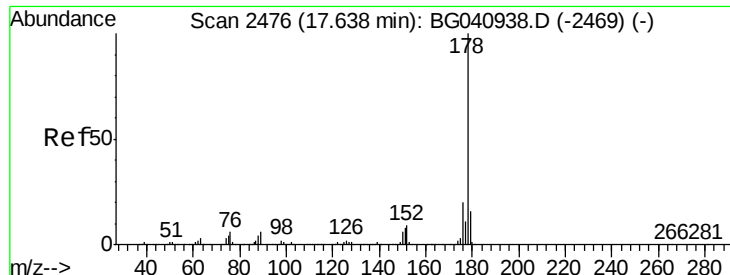
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 0.0   | 53.1  | 79.7# |
| 264     | 0.0   | 49.9  | 74.9# |



#71  
 Phenanthrene  
 Concen: 26.935 ng  
 RT: 17.53 min Scan# 2458  
 Delta R.T. 0.01 min  
 Lab File: BG041173.D  
 Acq: 10 Jun 2019 21:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.8  | 15.5  | 23.3  |
| 179     | 15.9  | 12.7  | 19.1  |





#72

Anthracene

Concen: 27.310 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.08 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

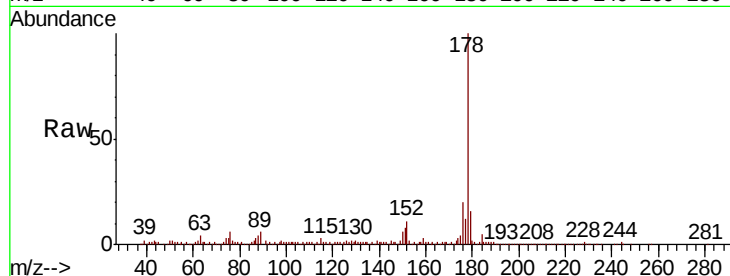
Tgt Ion:178 Resp: 462589

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.9 13.0 19.4

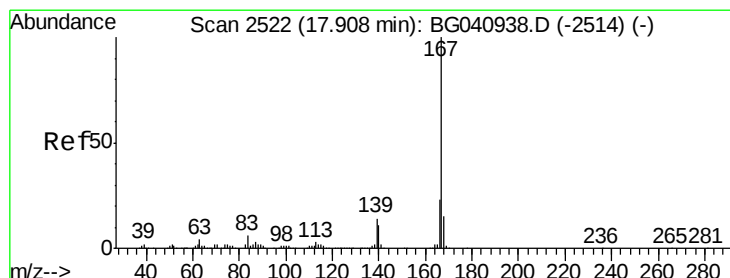
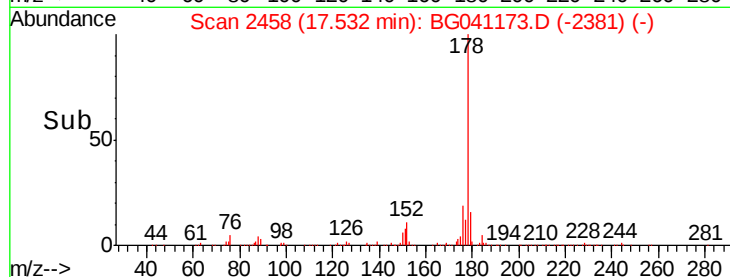
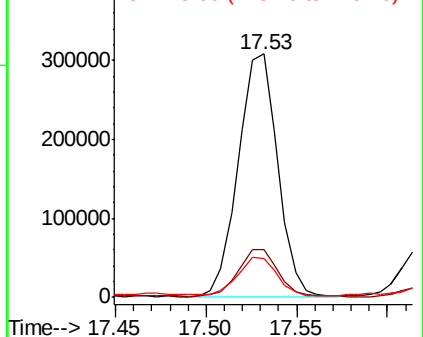


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.439 ng

RT: 17.90 min Scan# 2520

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

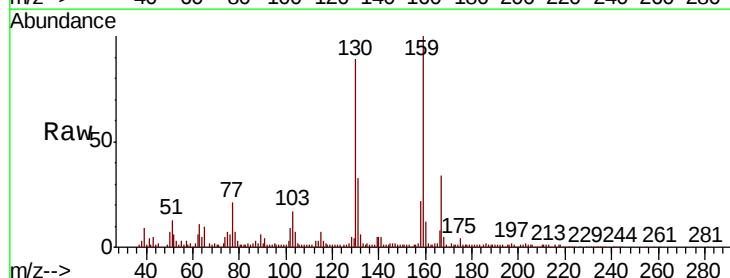
Tgt Ion:167 Resp: 64515

Ion Ratio Lower Upper

167 100

166 25.0 18.2 27.4

139 14.6 10.8 16.2

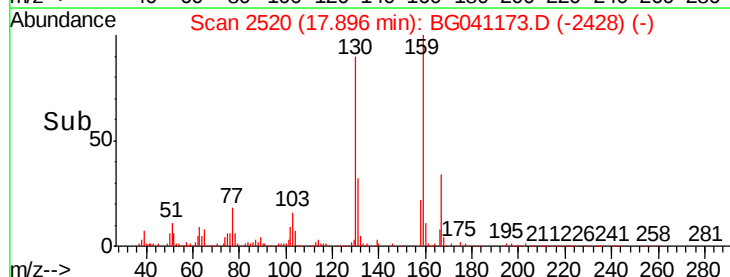
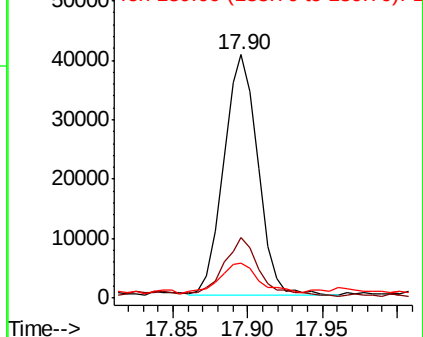


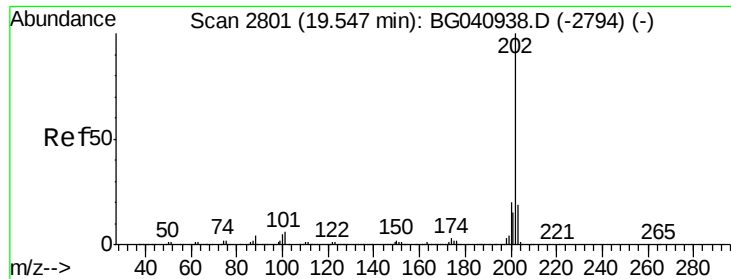
Abundance

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





#75

Fluoranthene

Concen: 2.673 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampled :

MW-4ARE

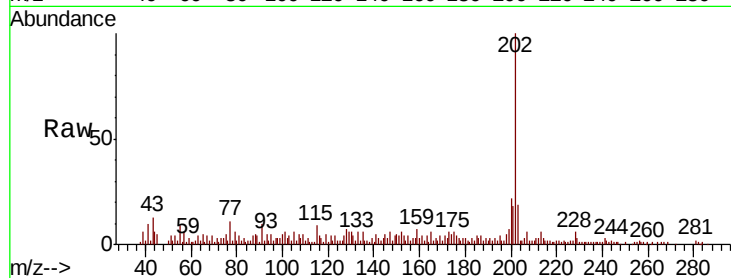
Tgt Ion:202 Resp: 56703

Ion Ratio Lower Upper

202 100

101 6.3 0.0 26.2

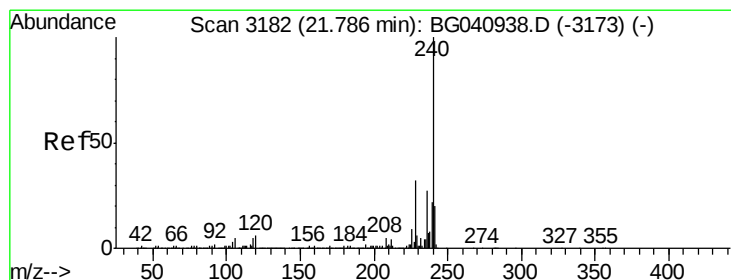
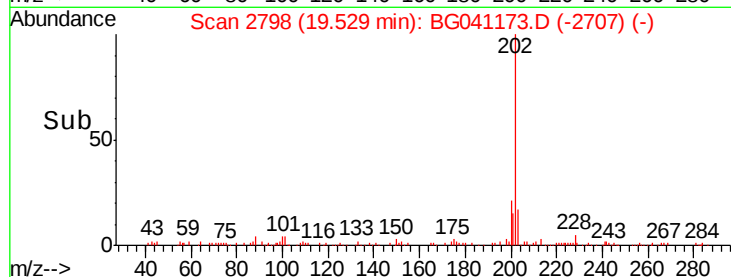
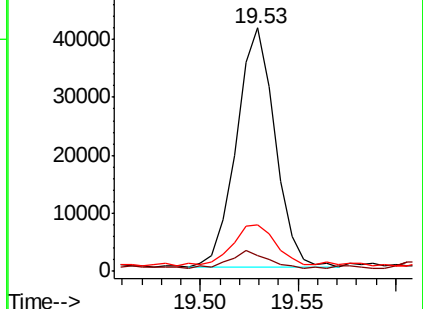
203 19.2 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

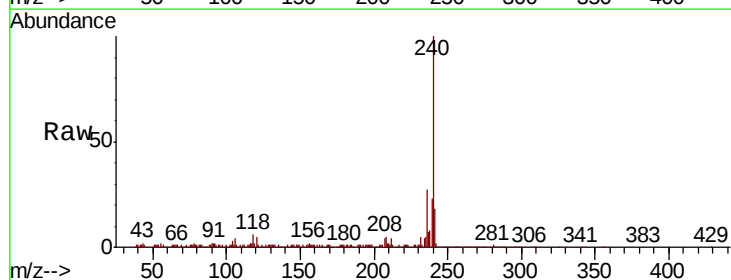
Tgt Ion:240 Resp: 332689

Ion Ratio Lower Upper

240 100

120 4.6 4.5 6.7

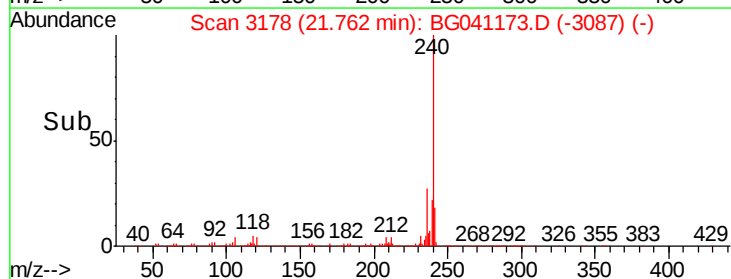
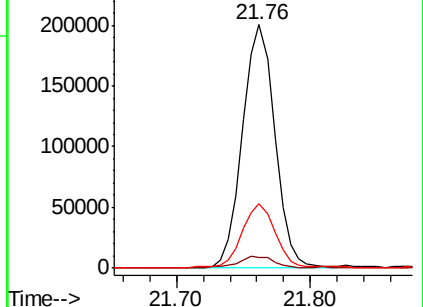
236 26.7 21.3 31.9

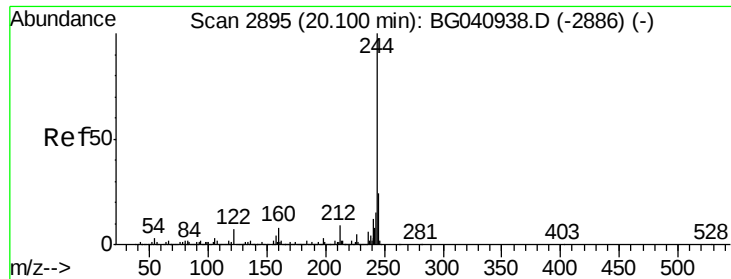


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 97.339 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA\_G

ClientSampleId :

MW-4ARE

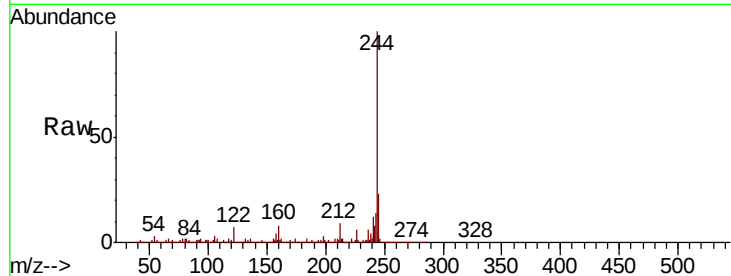
Tgt Ion:244 Resp: 1525841

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.4

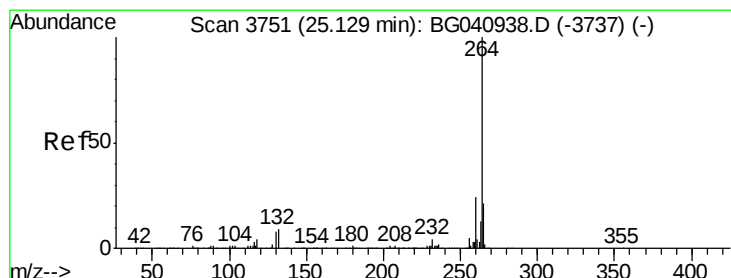
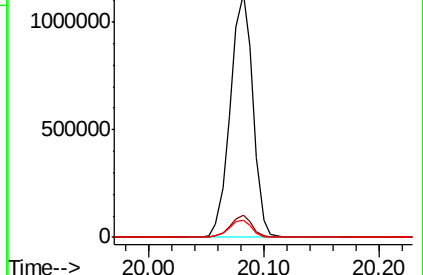
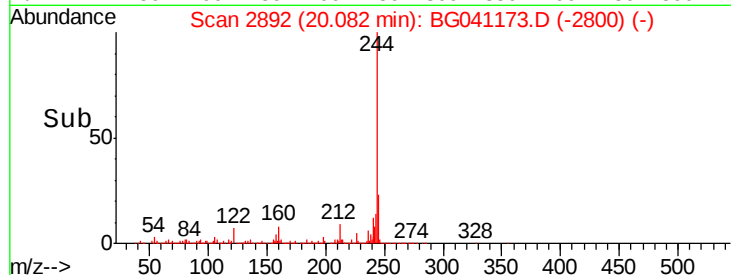
122 7.1 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

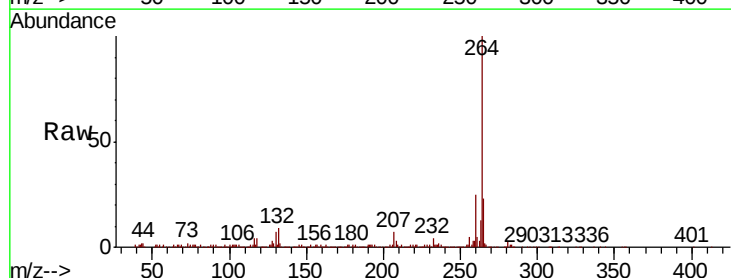
Tgt Ion:264 Resp: 339681

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.4

265 22.6 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

