

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\  
 Data File : BG034038.D  
 Acq On : 27 Apr 2018 14:26  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 28 00:27:25 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ng    | -7.84    |
| 21) Naphthalene-d8        | 10.54 | 136  | 270206   | 20.00 | ng    | -0.09    |
| 38) Acenaphthene-d10      | 14.39 | 164  | 195490   | 20.00 | ng    | -0.08    |
| 63) Phenanthrene-d10      | 17.15 | 188  | 488257   | 20.00 | ng    | -0.08    |
| 75) Chrysene-d12          | 21.40 | 240  | 494617   | 20.00 | ng    | -0.10    |
| 86) Perylene-d12          | 24.40 | 264  | 495843   | 20.00 | ng    | -0.16    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.37  | 112 | 212089  | 0.00  | ng | -0.08 |
| 7) Phenol-d6             | 6.95  | 99  | 293469  | 0.00  | ng | -0.05 |
| 23) Nitrobenzene-d5      | 8.91  | 82  | 309039  | 65.09 | ng | -0.08 |
| 41) 2,4,6-Tribromophenol | 15.89 | 330 | 191219  | 83.84 | ng | -0.08 |
| 44) 2-Fluorobiphenyl     | 13.01 | 172 | 984794  | 74.00 | ng | -0.09 |
| 78) Terphenyl-d14        | 19.78 | 244 | 1622907 | 73.71 | ng | -0.08 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 22) Acetophenone               | 8.58  | 105 | 241532 | 32.843 | ng | 99     |
| 24) Nitrobenzene               | 8.95  | 77  | 156956 | 30.336 | ng | 94     |
| 25) Isophorone                 | 9.46  | 82  | 358087 | 33.545 | ng | # 94   |
| 26) 2-Nitrophenol              | 9.66  | 139 | 77636  | 37.976 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 9.73  | 122 | 107835 | 28.201 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 9.96  | 93  | 173018 | 30.668 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.20 | 162 | 145360 | 34.101 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.40 | 180 | 188879 | 39.562 | ng | 99     |
| 31) Naphthalene                | 10.58 | 128 | 500933 | 36.051 | ng | 99     |
| 32) Benzoic acid               | 9.89  | 122 | 63448  | 19.969 | ng | # 76   |
| 33) 4-Chloroaniline            | 10.73 | 127 | 171039 | 26.188 | ng | 93     |
| 34) Hexachlorobutadiene        | 10.87 | 225 | 122033 | 42.727 | ng | 96     |
| 35) Caprolactam                | 11.48 | 113 | 60216  | 33.226 | ng | # 72   |
| 36) 4-Chloro-3-methylphenol    | 11.85 | 107 | 154841 | 29.762 | ng | 88     |
| 37) 2-Methylnaphthalene        | 12.21 | 142 | 391849 | 36.833 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.57 | 216 | 247767 | 38.168 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 12.55 | 237 | 132944 | 37.247 | ng | 95     |
| 42) 2,4,6-Trichlorophenol      | 12.83 | 196 | 136261 | 34.428 | ng | 89     |
| 43) 2,4,5-Trichlorophenol      | 12.91 | 196 | 165635 | 36.402 | ng | 94     |
| 45) 1,1'-Biphenyl              | 13.22 | 154 | 561937 | 35.510 | ng | 99     |
| 46) 2-Chloronaphthalene        | 13.26 | 162 | 425260 | 35.441 | ng | 97     |
| 47) 2-Nitroaniline             | 13.49 | 65  | 108049 | 28.840 | ng | 86     |
| 48) Acenaphthylene             | 14.11 | 152 | 718008 | 35.999 | ng | 99     |
| 49) Dimethylphthalate          | 13.86 | 163 | 608001 | 35.357 | ng | 99     |
| 50) 2,6-Dinitrotoluene         | 13.98 | 165 | 125762 | 38.591 | ng | # 81   |
| 51) Acenaphthene               | 14.46 | 154 | 429811 | 34.304 | ng | 98     |
| 52) 3-Nitroaniline             | 14.33 | 138 | 98201  | 27.751 | ng | # 81   |
| 53) 2,4-Dinitrophenol          | 14.54 | 184 | 15991  | 13.721 | ng | 93     |
| 54) Dibenzofuran               | 14.80 | 168 | 667951 | 35.958 | ng | 97     |
| 55) 4-Nitrophenol              | 14.70 | 139 | 22209  | 8.002  | ng | 89     |
| 56) 2,4-Dinitrotoluene         | 14.77 | 165 | 165976 | 38.300 | ng | # 78   |
| 57) Fluorene                   | 15.45 | 166 | 585074 | 36.398 | ng | 99     |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232 | 174627 | 41.916 | ng | # 88   |
| 59) Diethylphthalate           | 15.23 | 149 | 632851 | 34.817 | ng | 97     |

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 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

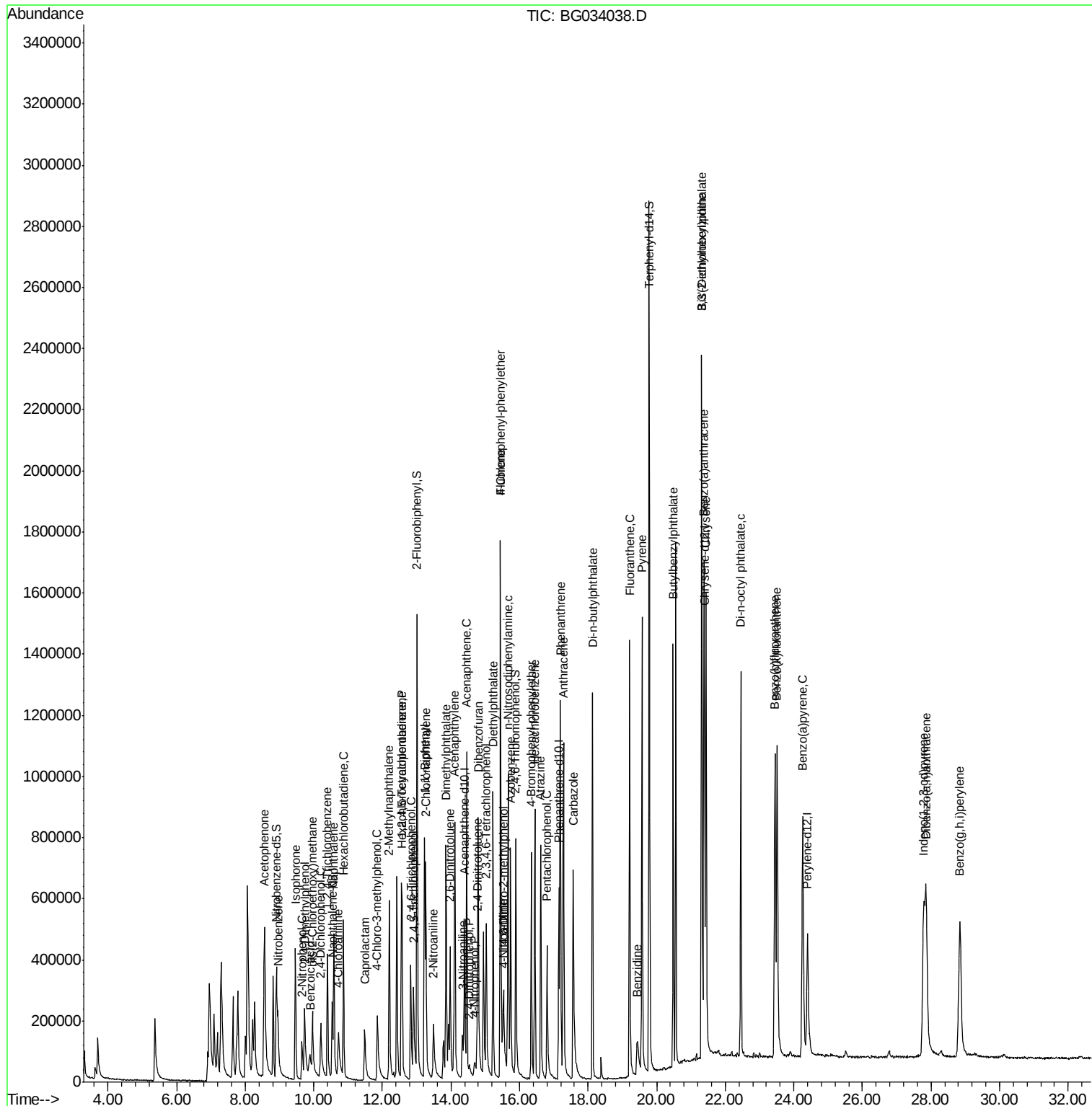
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 60) 4-Chlorophenyl-phenylether | 15.44 | 204  | 315902   | 37.573 | nq    | 94       |
| 61) 4-Nitroaniline             | 15.51 | 138  | 79567    | 21.177 | nq    | 85       |
| 62) Azobenzene                 | 15.74 | 77   | 487670   | 30.098 | nq    | 95       |
| 64) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 75035    | 34.089 | nq    | 84       |
| 65) n-Nitrosodiphenylamine     | 15.67 | 169  | 510234   | 35.944 | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.34 | 248  | 199974   | 37.294 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.45 | 284  | 223342   | 39.057 | nq #  | 72       |
| 68) Atrazine                   | 16.62 | 200  | 194864   | 35.041 | nq    | 98       |
| 69) Pentachlorophenol          | 16.80 | 266  | 129464   | 32.960 | nq #  | 25       |
| 70) Phenanthrene               | 17.19 | 178  | 907197   | 34.635 | nq    | 98       |
| 71) Anthracene                 | 17.28 | 178  | 961423   | 36.704 | nq    | 99       |
| 72) Carbazole                  | 17.56 | 167  | 857179   | 33.920 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.13 | 149  | 1070430  | 34.049 | nq    | 99       |
| 74) Fluoranthene               | 19.21 | 202  | 1146074  | 36.172 | nq    | 96       |
| 76) Benzidine                  | 19.43 | 184  | 248349   | 18.594 | nq    | 97       |
| 77) Pyrene                     | 19.57 | 202  | 1161320  | 35.797 | nq    | 97       |
| 79) Butylbenzylphthalate       | 20.48 | 149  | 477995   | 33.551 | nq    | 86       |
| 80) Benzo(a)anthracene         | 21.38 | 228  | 1059705  | 33.976 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.31 | 252  | 399065   | 34.315 | nq    | 97       |
| 82) Chrysene                   | 21.44 | 228  | 1113897  | 37.400 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.31 | 149  | 680467   | 33.820 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 22.45 | 149  | 1090603  | 34.150 | nq    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 27.79 | 276  | 1172397  | 34.581 | nq #  | 92       |
| 87) Benzo(b)fluoranthene       | 23.45 | 252  | 1036917  | 34.279 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 23.51 | 252  | 1140187  | 37.946 | nq    | 98       |
| 89) Benzo(a)pyrene             | 24.26 | 252  | 1041981  | 35.968 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 27.85 | 278  | 984717   | 35.128 | nq    | 97       |
| 91) Benzo(a,h,i)perylene       | 28.84 | 276  | 987289   | 35.793 | nq    | 98       |

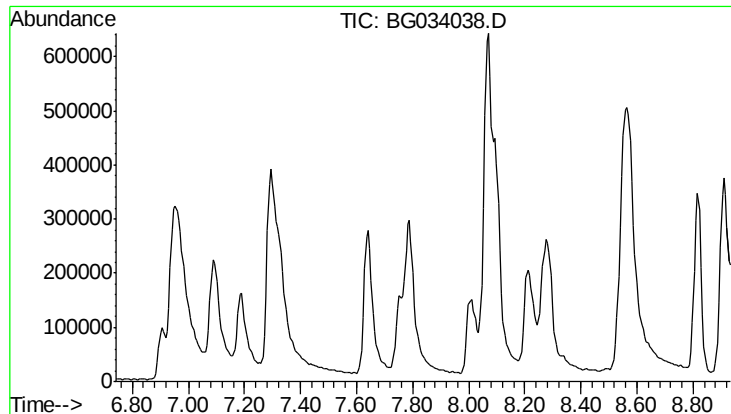
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 7.84 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

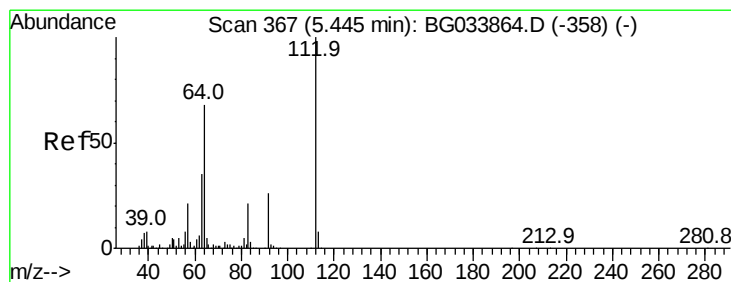
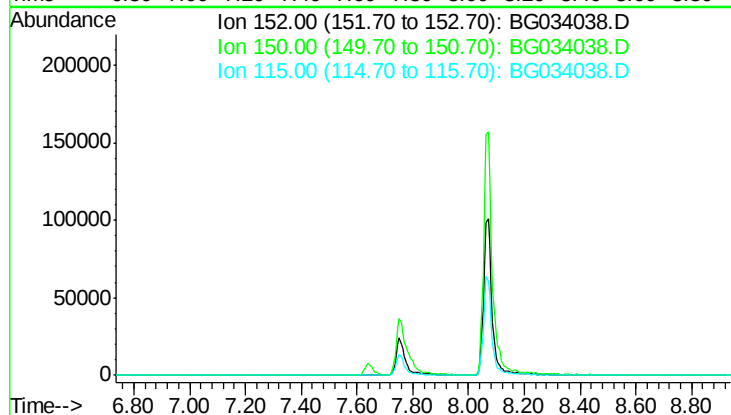
Tot Ion: 152

Sig Exp Ratio

152 100

150 158.2

115 66.2



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 5.37 min Scan# 354

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

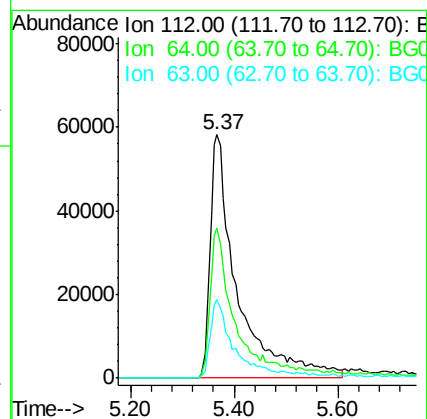
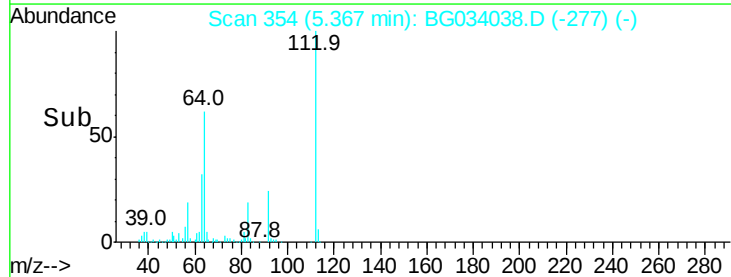
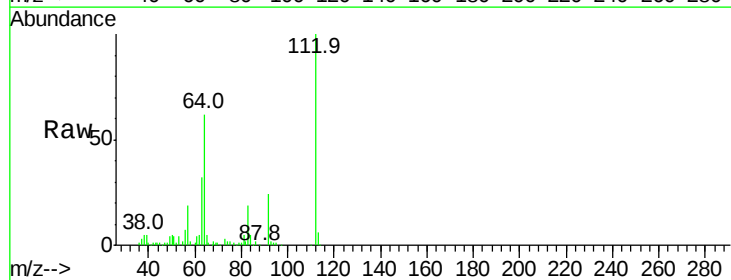
Tgt Ion:112 Resp: 212089

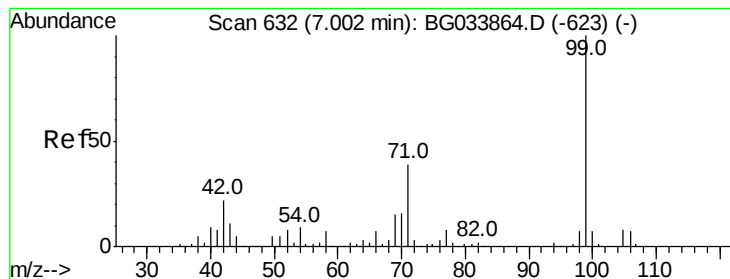
Ion Ratio Lower Upper

112 100

64 61.8 56.3 84.5

63 32.1 30.1 45.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

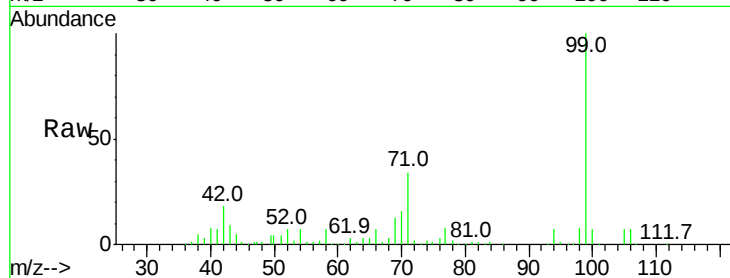
Tot Ion: 99 Resp: 293469

Ion Ratio Lower Upper

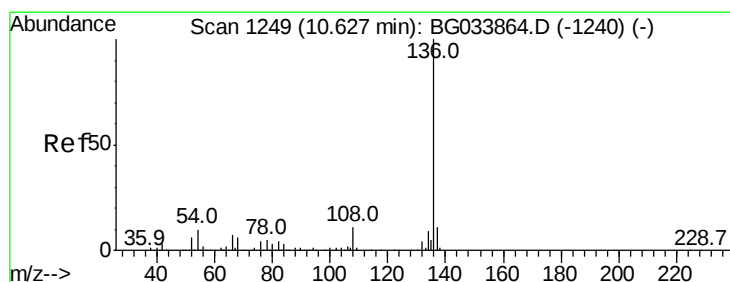
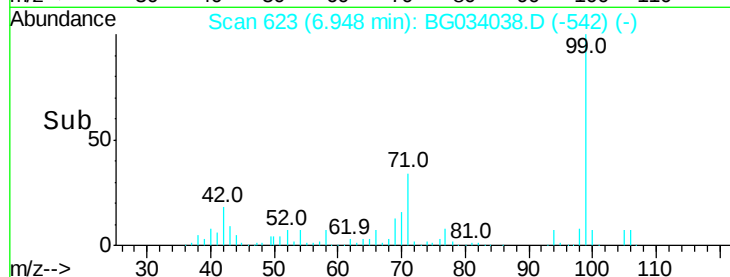
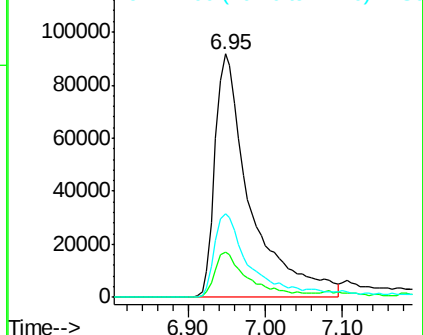
99 100

42 18.4 14.1 21.1

71 34.3 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Tgt Ion: 136 Resp: 270206

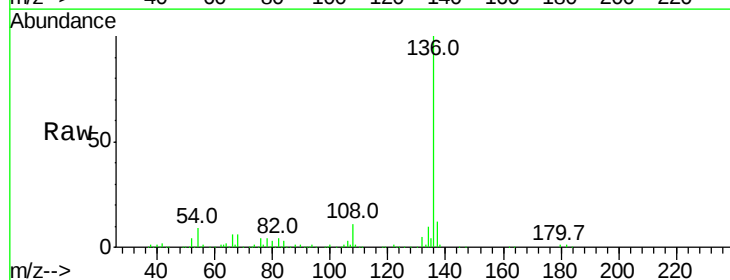
Ion Ratio Lower Upper

136 100

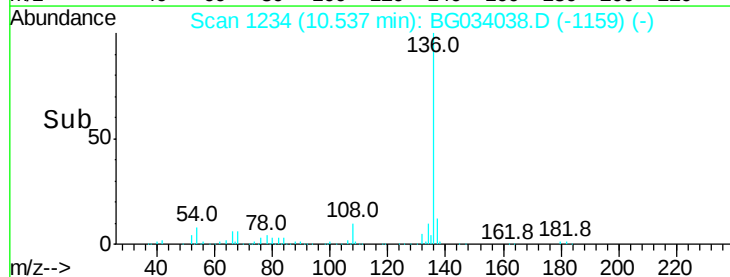
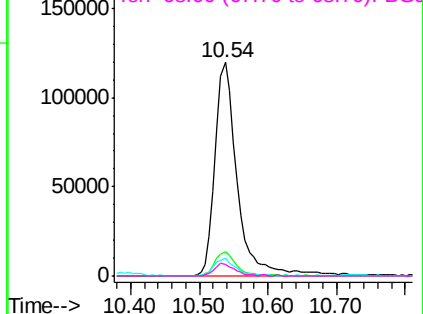
137 11.5 9.2 13.8

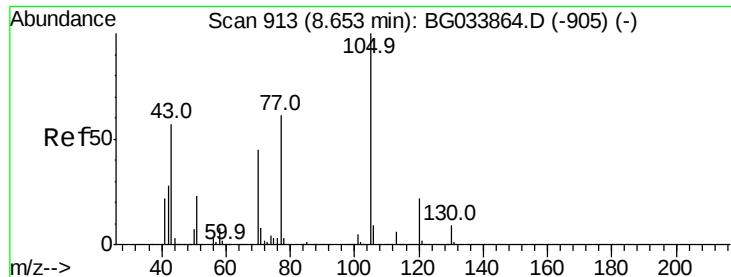
54 8.6 10.3 15.5#

68 5.7 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

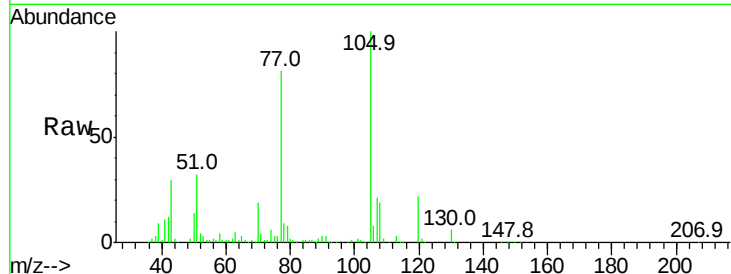




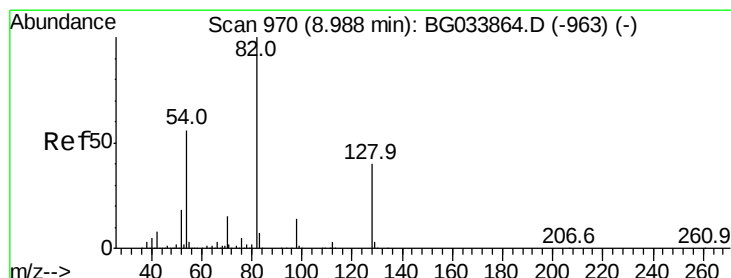
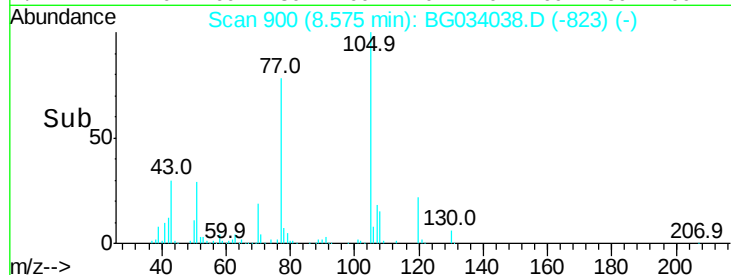
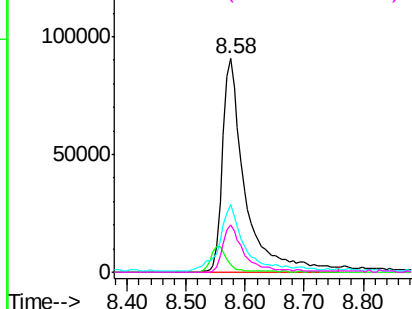
#22  
Acetophenone  
Concen: 32.843 ng  
RT: 8.58 min Scan# 900  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:105 Resp: 241532  
Ion Ratio Lower Upper  
105 100  
71 3.8 3.0 4.4  
51 31.5 26.1 39.1  
120 22.0 17.4 26.2

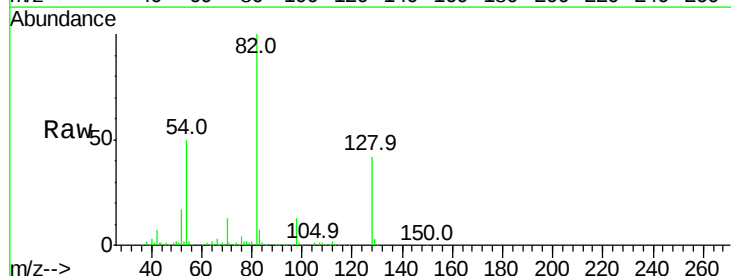


Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

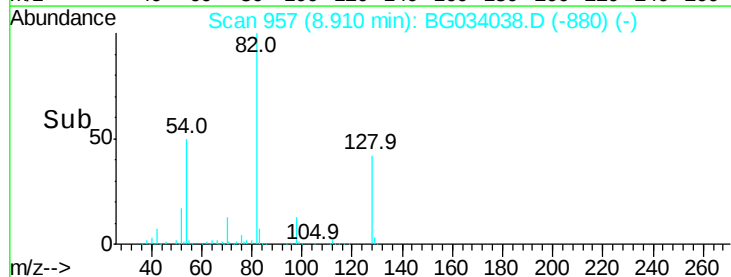
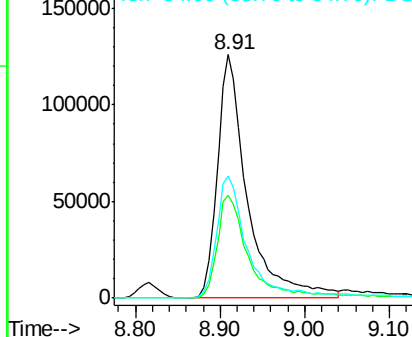


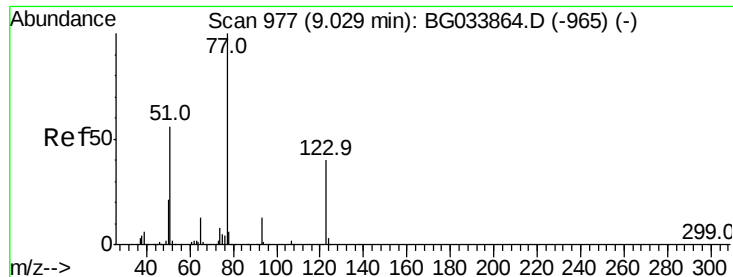
#23  
Nitrobenzene-d5  
Concen: 65.088 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion: 82 Resp: 309039  
Ion Ratio Lower Upper  
82 100  
128 42.4 29.7 44.5  
54 50.1 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 30.336 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

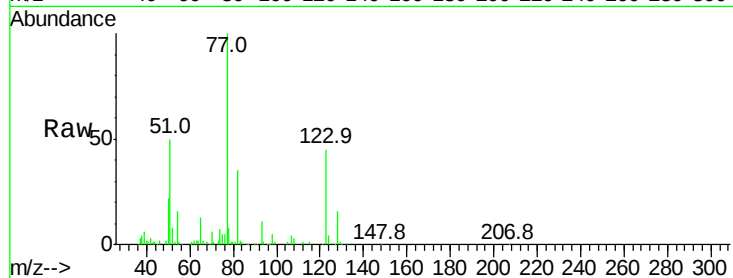
Tot Ion: 77 Resp: 156956

Ion Ratio Lower Upper

77 100

123 45.3 33.0 49.6

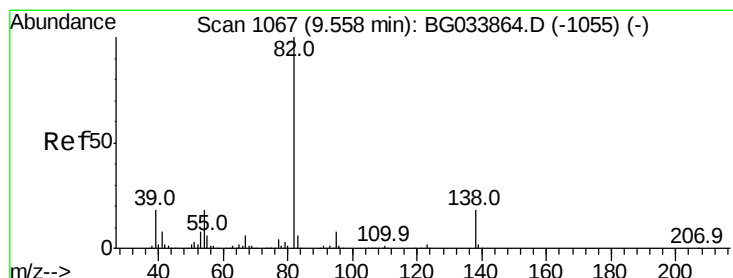
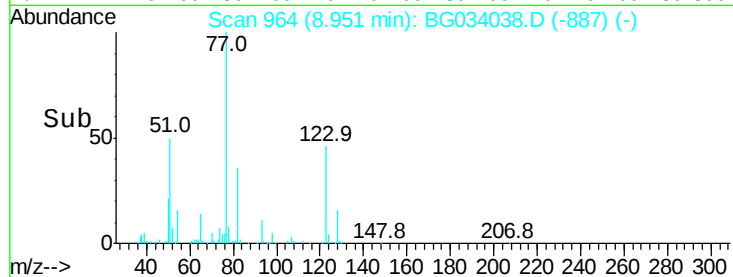
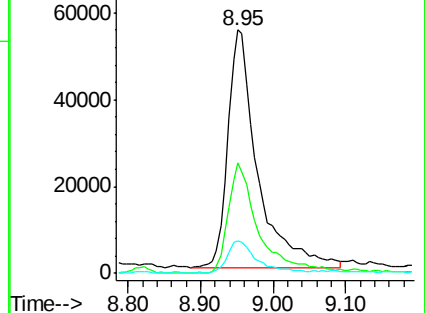
65 13.4 13.0 19.6



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: 33.545 ng

RT: 9.46 min Scan# 1051

Delta R.T. -0.10 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

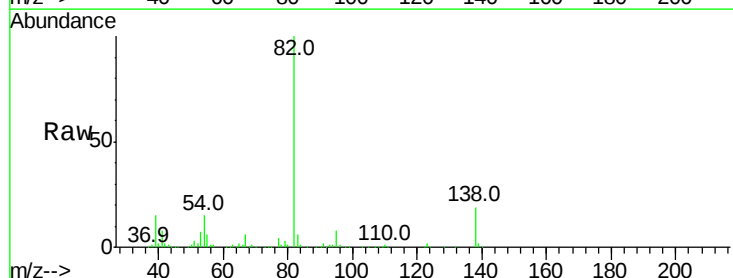
Tgt Ion: 82 Resp: 358087

Ion Ratio Lower Upper

82 100

95 7.9 6.2 9.2

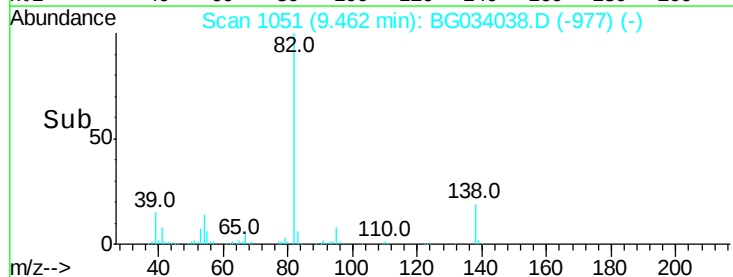
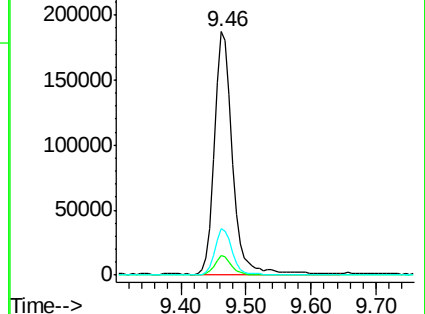
138 18.9 12.1 18.1#

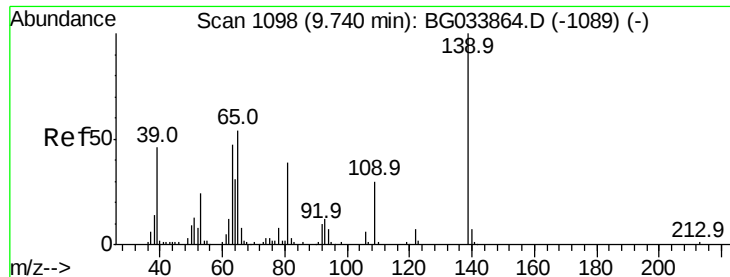


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC

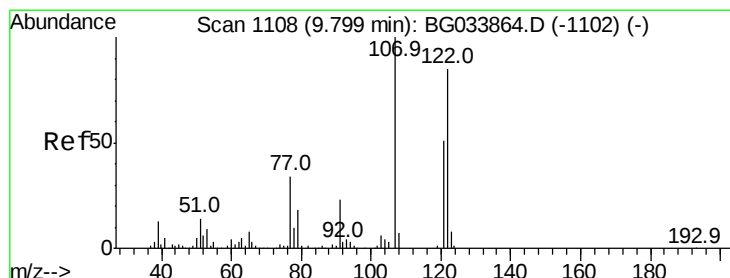
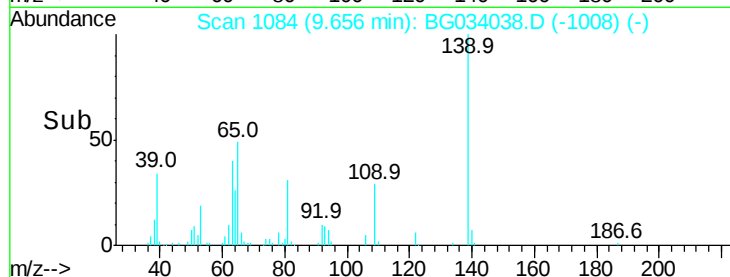
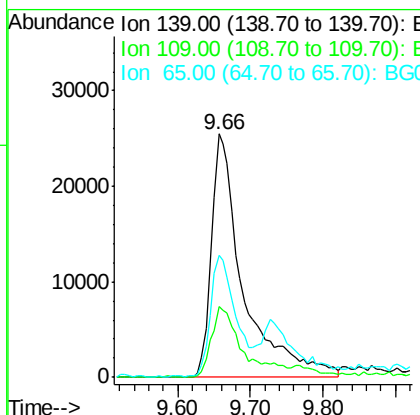
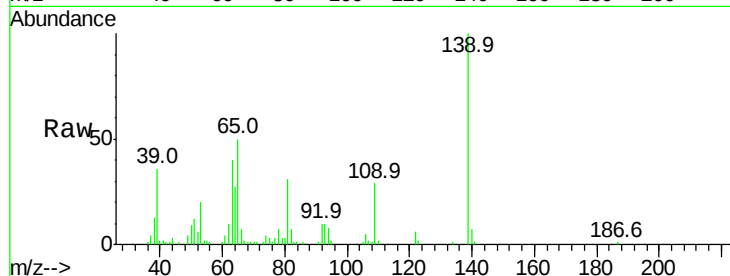




#26  
2-Nitrophenol  
Concen: 37.976 ng  
RT: 9.66 min Scan# 1084  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
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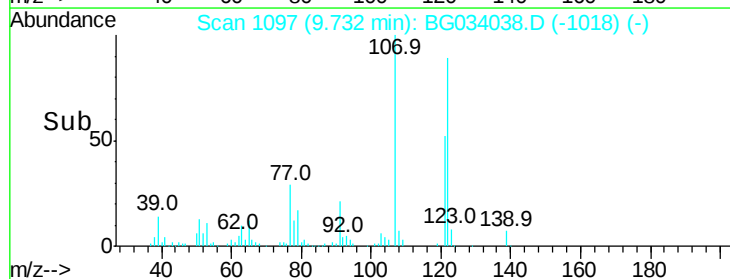
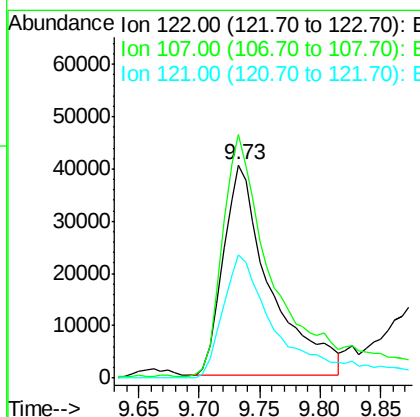
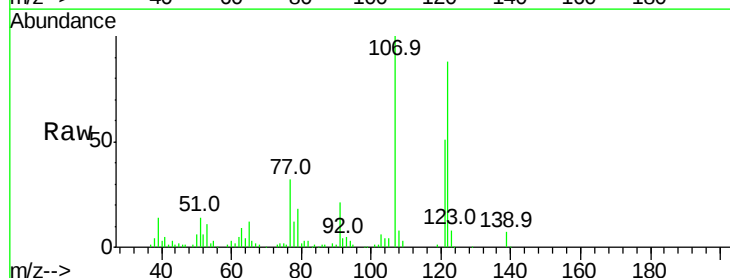
Instrument :  
BNA\_G  
ClientSampleId :

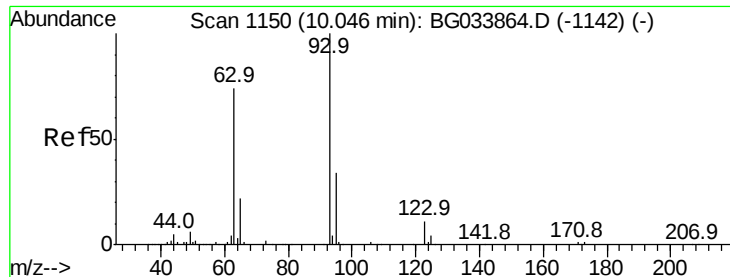
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 29.3  | 24.2  | 36.2  |
| 65      | 49.9  | 47.4  | 71.0  |



#27  
2,4-Dimethylphenol  
Concen: 28.201 ng  
RT: 9.73 min Scan# 1097  
Delta R.T. -0.07 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 114.2 | 100.2 | 150.2 |
| 121     | 58.1  | 44.4  | 66.6  |

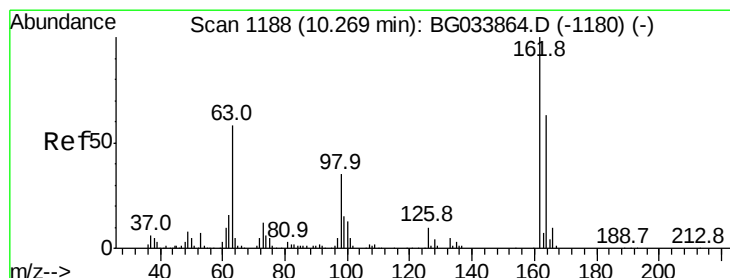
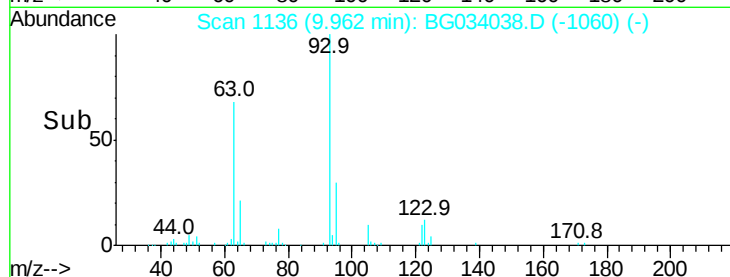
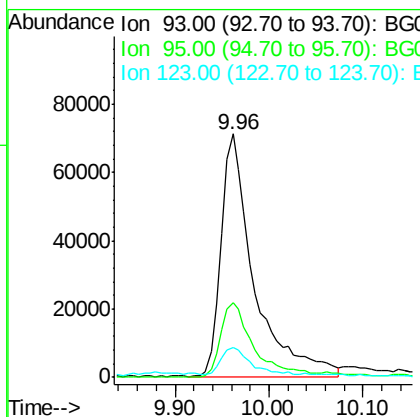
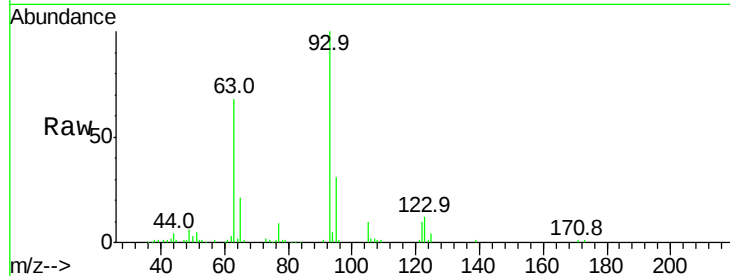




#28  
bis(2-Chloroethoxy)methane  
Concen: 30.668 ng  
RT: 9.96 min Scan# 1136  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

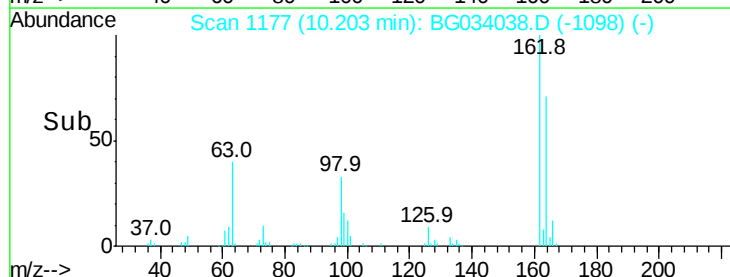
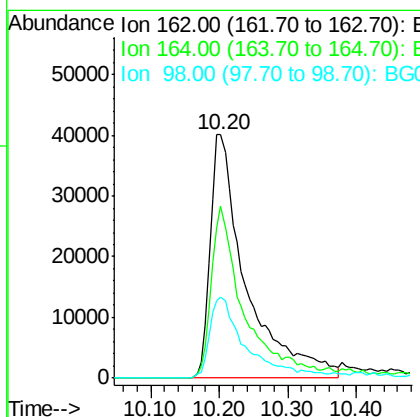
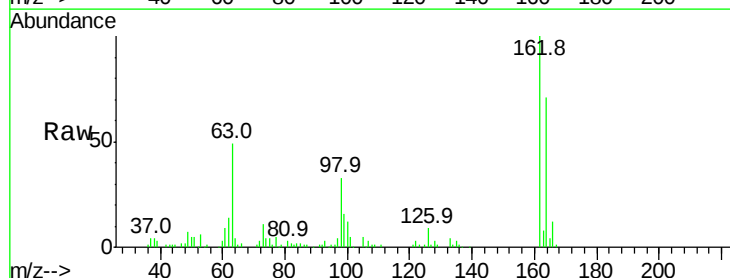
Instrument :  
BNA\_G  
ClientSampleId :

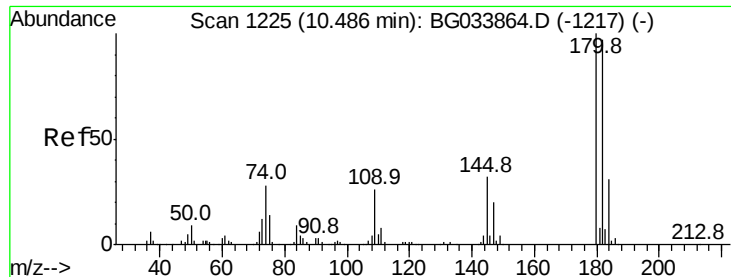
Tot Ion: 93 Resp: 173018  
Ion Ratio Lower Upper  
93 100  
95 30.7 24.3 36.5  
123 12.3 8.4 12.6



#29  
2,4-Dichlorophenol  
Concen: 34.101 ng  
RT: 10.20 min Scan# 1177  
Delta R.T. -0.07 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:162 Resp: 145360  
Ion Ratio Lower Upper  
162 100  
164 70.8 48.0 88.0  
98 33.2 21.1 61.1

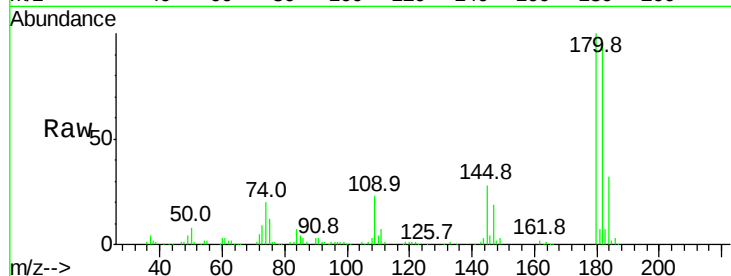




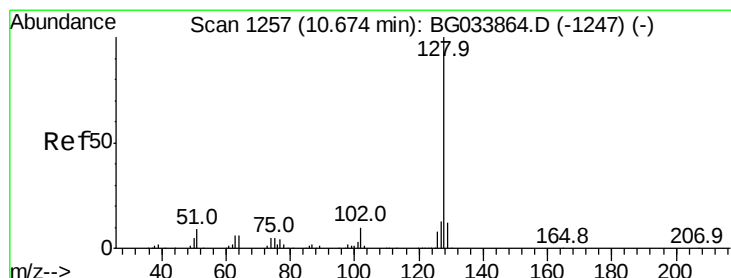
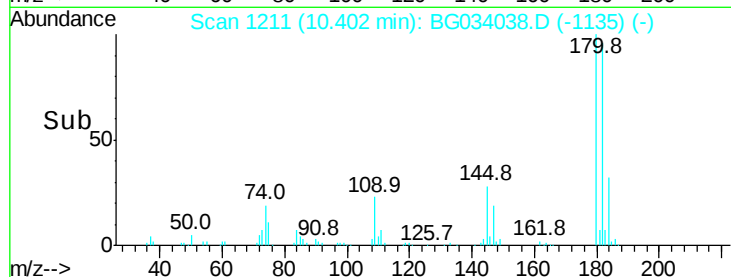
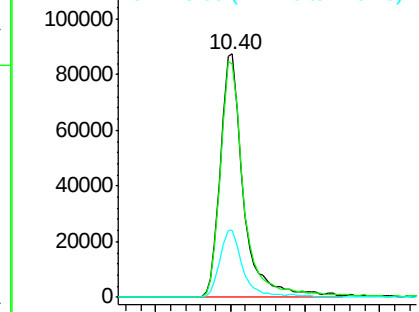
#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.562 ng  
 RT: 10.40 min Scan# 1211  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:180 Resp: 188879  
 Ion Ratio Lower Upper  
 180 100  
 182 96.0 77.5 116.3  
 145 27.7 23.4 35.2

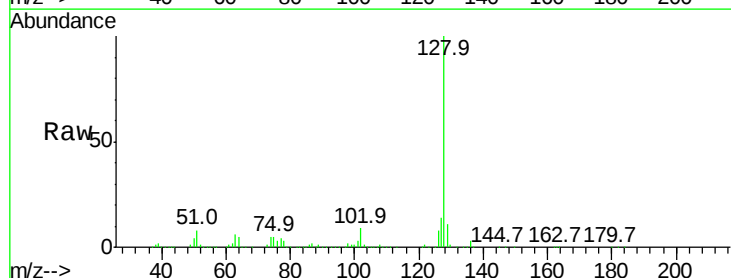


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

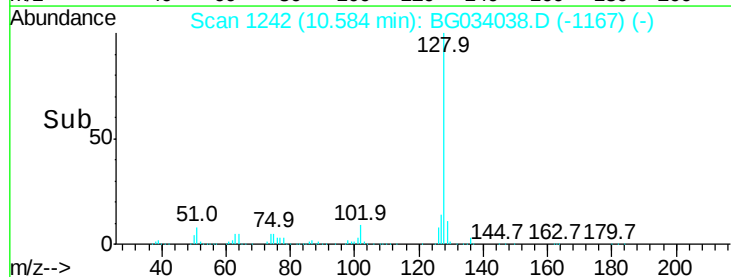
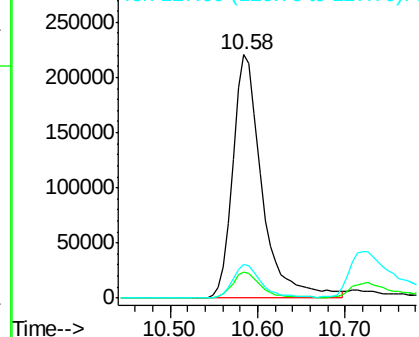


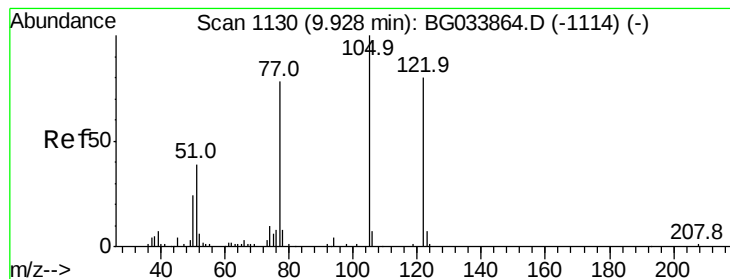
#31  
 Naphthalene  
 Concen: 36.051 ng  
 RT: 10.58 min Scan# 1242  
 Delta R.T. -0.09 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:128 Resp: 500933  
 Ion Ratio Lower Upper  
 128 100  
 129 10.6 8.6 12.8  
 127 14.0 11.6 17.4



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: 19.969 ng

RT: 9.89 min Scan# 1124

Delta R.T. -0.04 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

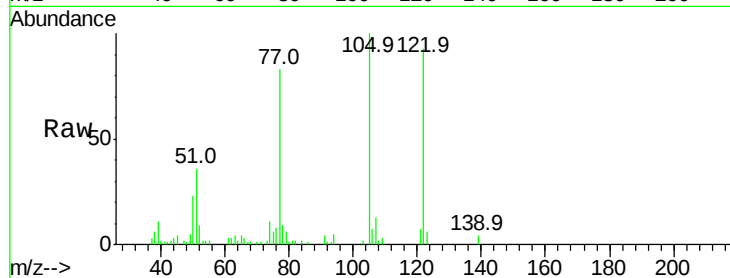
Tot Ion:122 Resp: 63448

Ion Ratio Lower Upper

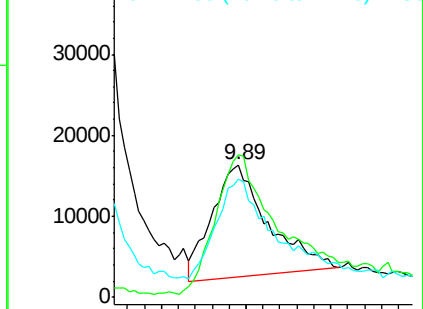
122 100

105 107.3 123.5 163.5#

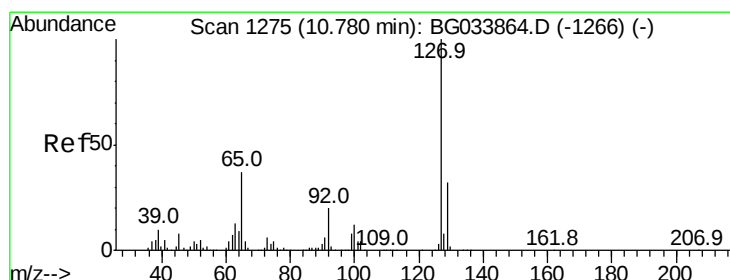
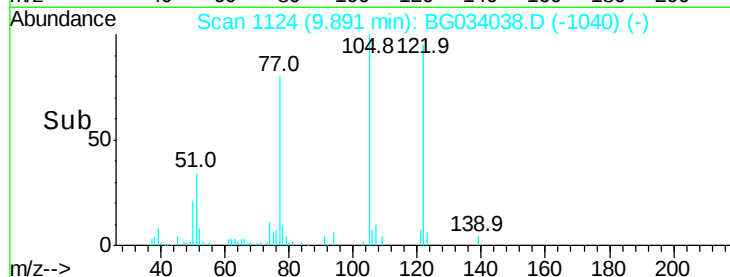
77 89.0 85.7 125.7



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): BGC



Time-->



#33

4-Chloroaniline

Concen: 26.188 ng

RT: 10.73 min Scan# 1266

Delta R.T. -0.05 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Tgt Ion:127 Resp: 171039

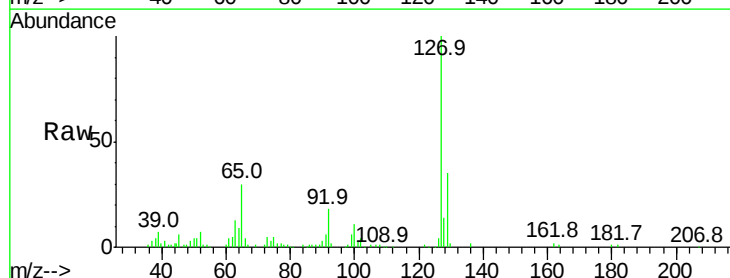
Ion Ratio Lower Upper

127 100

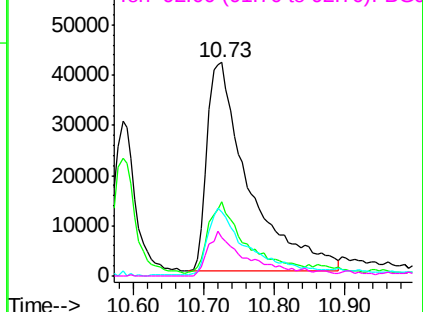
129 34.5 24.0 36.0

65 29.7 27.0 40.4

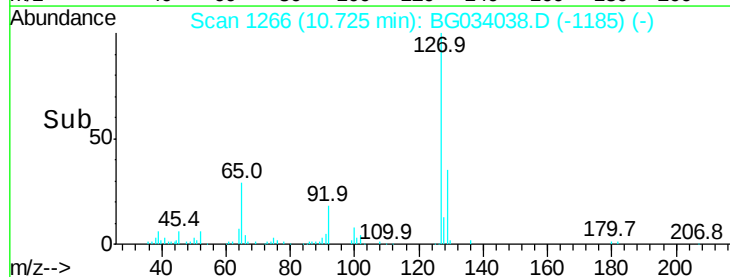
92 18.3 16.6 25.0

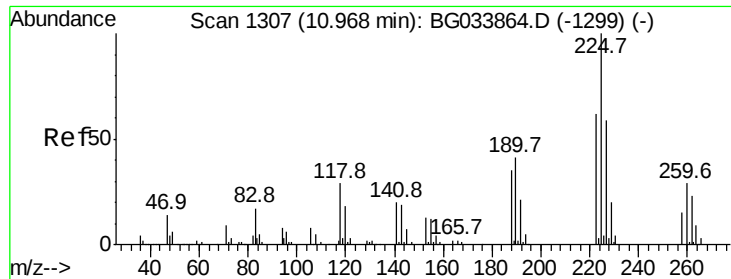


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC



Time-->





#34

Hexachlorobutadiene

Concen: 42.727 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.10 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampled :

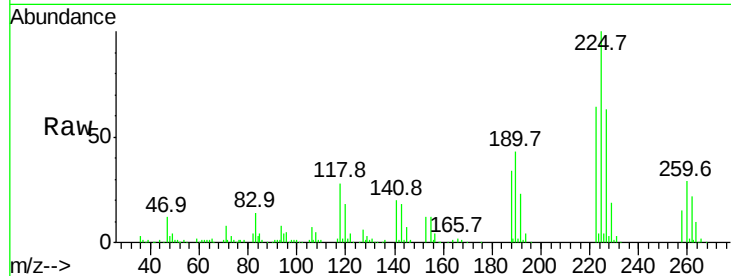
Tot Ion:225 Resp: 122033

Ion Ratio Lower Upper

225 100

223 65.1 49.7 74.5

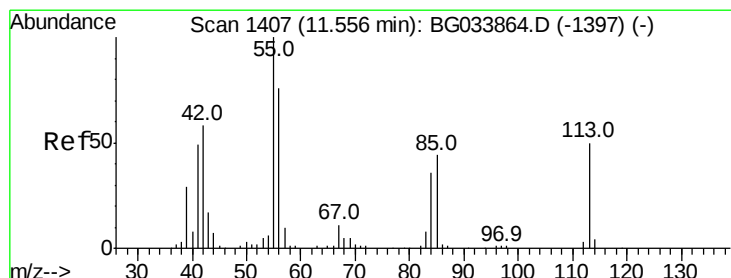
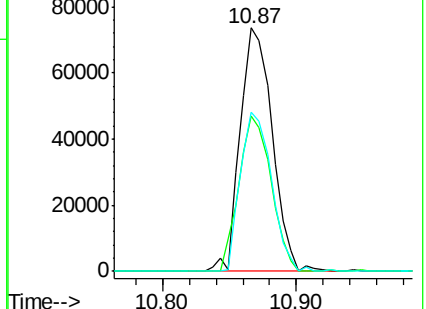
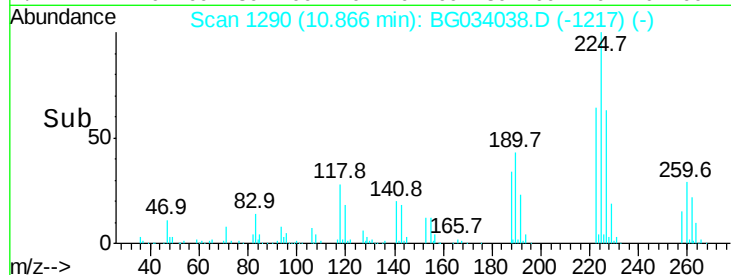
227 63.1 48.1 72.1



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: 33.226 ng

RT: 11.48 min Scan# 1395

Delta R.T. -0.07 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

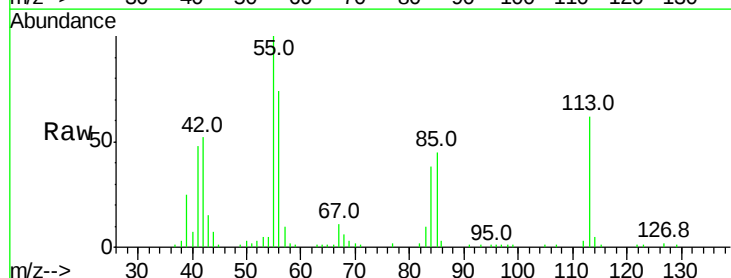
Tgt Ion:113 Resp: 60216

Ion Ratio Lower Upper

113 100

55 161.2 186.9 226.9#

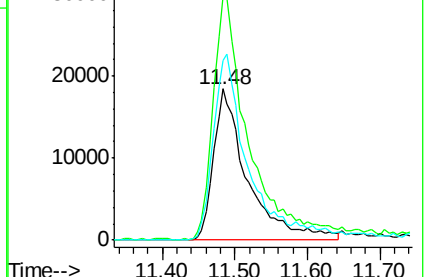
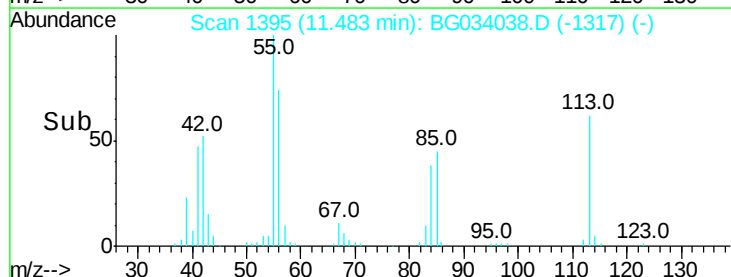
56 118.6 130.9 170.9#

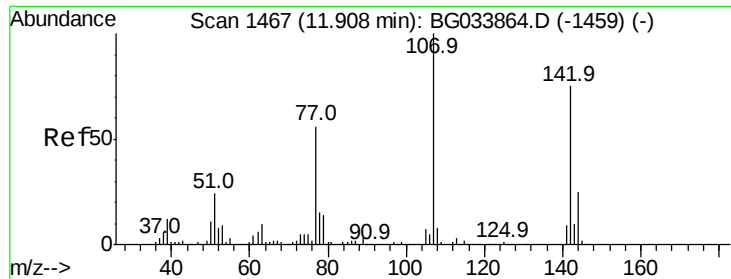


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

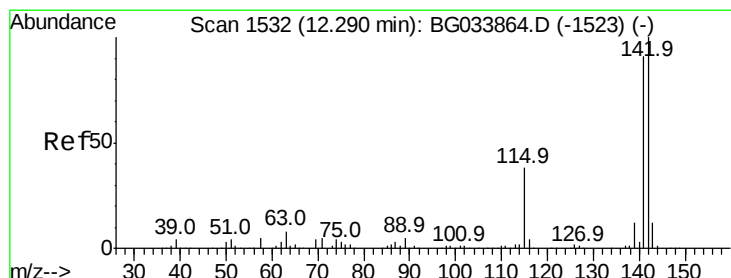
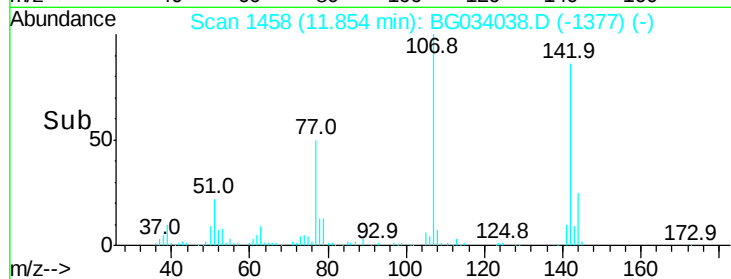
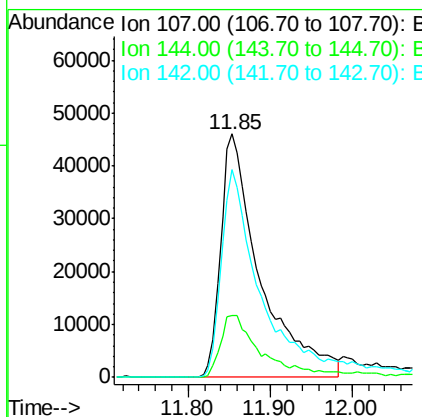
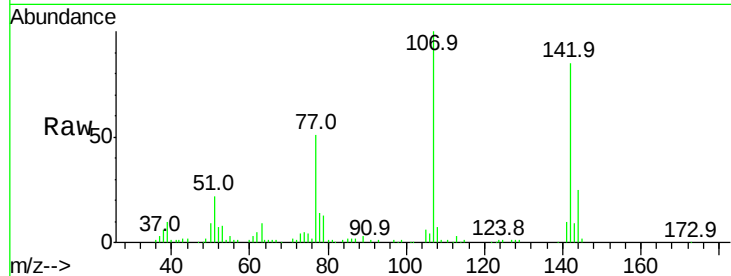




#36  
 4-Chloro-3-methylphenol  
 Concen: 29.762 ng  
 RT: 11.85 min Scan# 1458  
 Delta R.T. -0.05 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

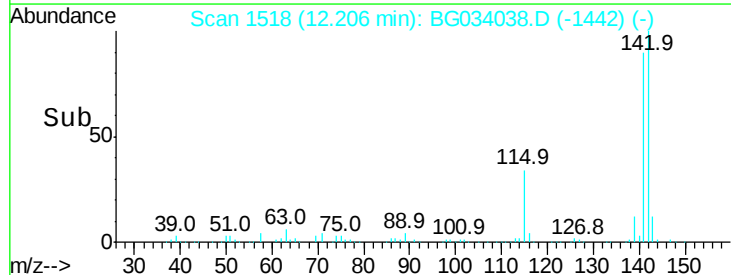
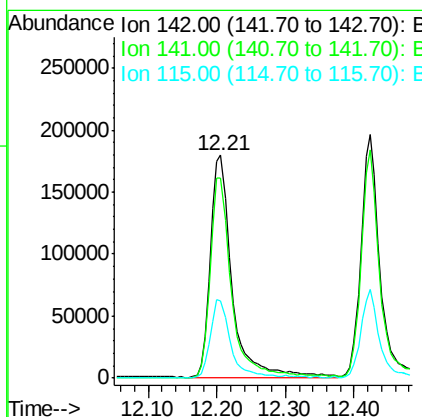
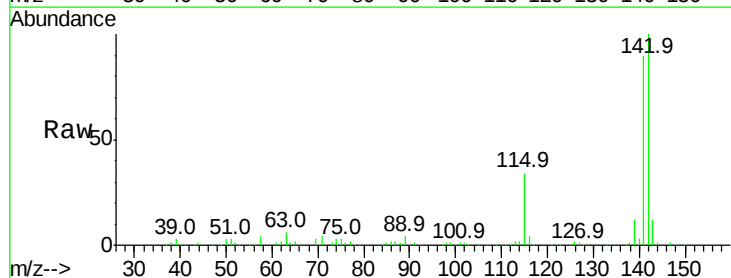
Instrument :  
 BNA\_G  
 ClientSampleId :

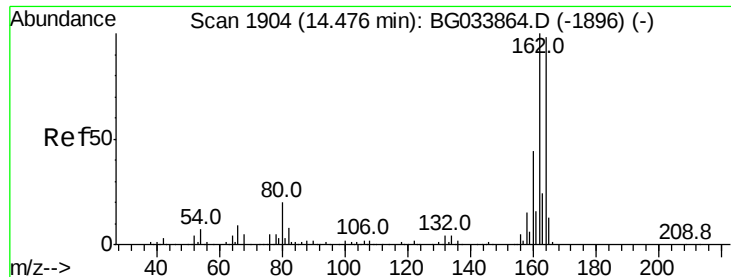
Tot Ion:107 Resp: 154841  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 18.2 27.4  
 142 85.2 59.0 88.4



#37  
 2-Methylnaphthalene  
 Concen: 36.833 ng  
 RT: 12.21 min Scan# 1518  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:142 Resp: 391849  
 Ion Ratio Lower Upper  
 142 100  
 141 89.5 67.1 100.7  
 115 34.4 30.7 46.1

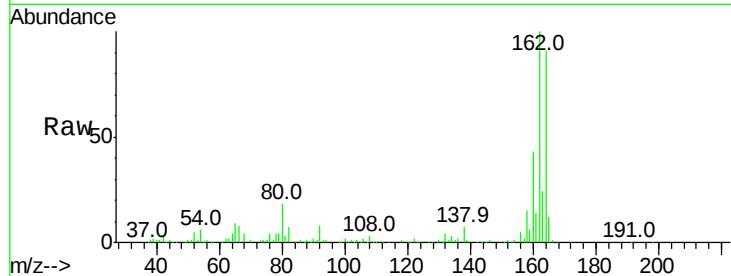




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.39 min Scan# 1890  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 109.7 | 78.8  | 118.2 |
| 160     | 47.6  | 35.4  | 53.0  |

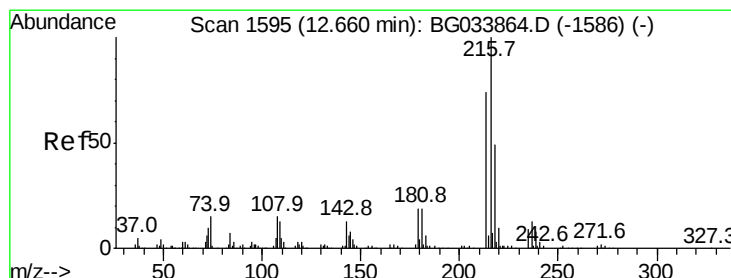
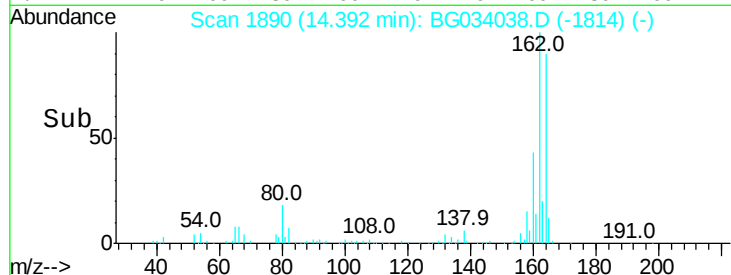
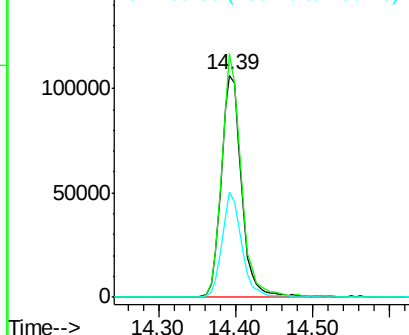


Abundance

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



#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.168 ng  
 RT: 12.57 min Scan# 1580  
 Delta R.T. -0.09 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 77.0  | 63.0  | 94.4  |
| 179     | 18.6  | 17.0  | 25.6  |
| 108     | 13.4  | 12.8  | 19.2  |

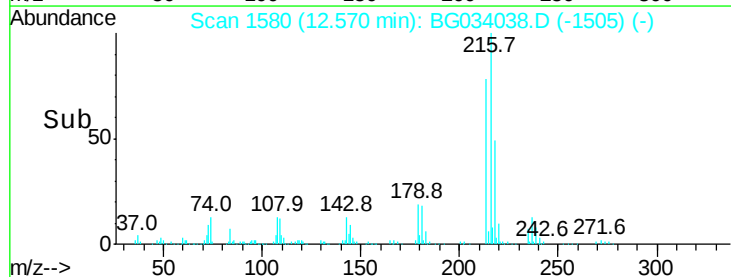
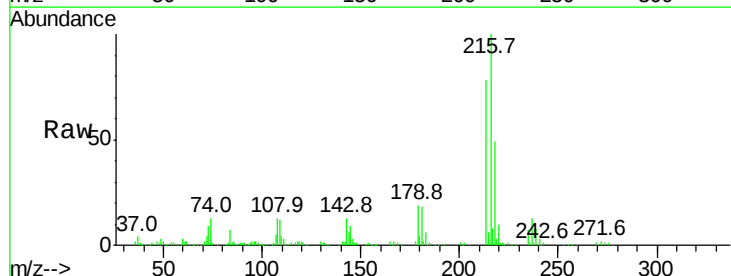
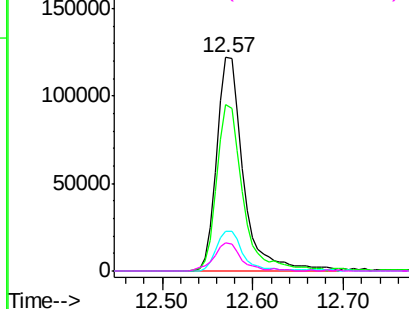
Abundance

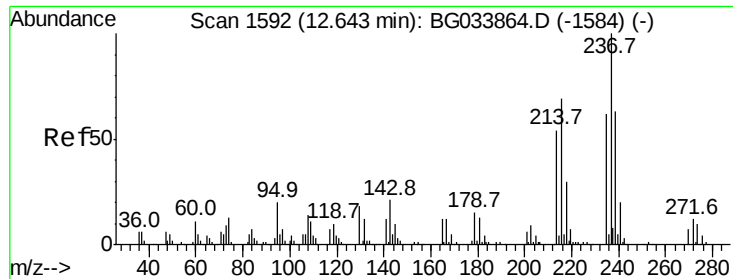
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 37.247 ng

RT: 12.55 min Scan# 1577

Delta R.T. -0.09 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

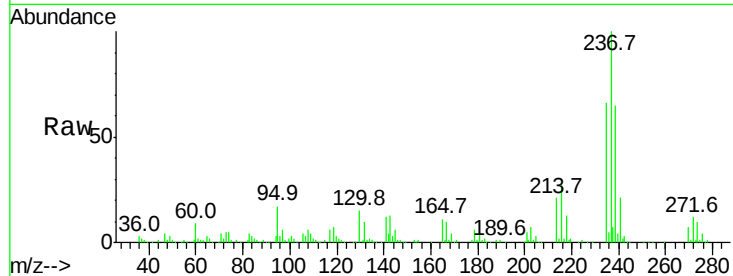
Tot Ion:237 Resp: 132944

Ion Ratio Lower Upper

237 100

235 65.9 50.4 90.4

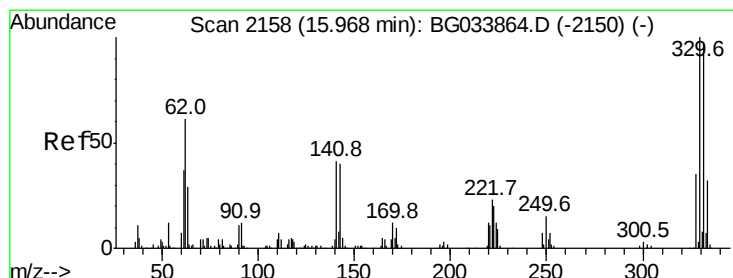
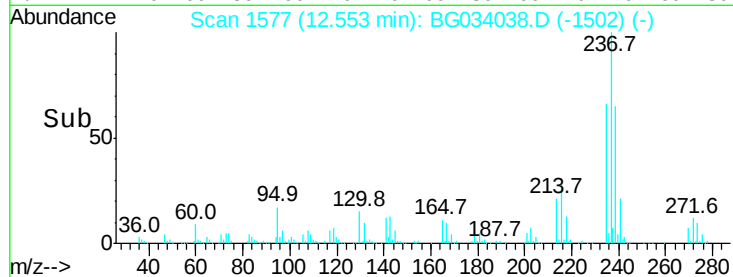
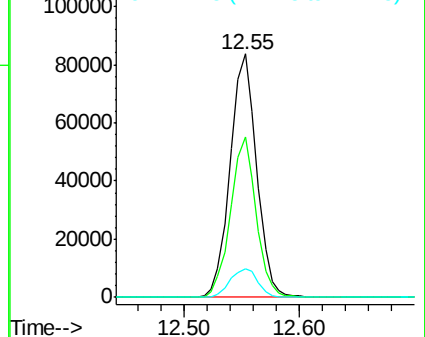
272 12.0 0.0 31.8



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



#41

2,4,6-Tribromophenol

Concen: 83.842 ng

RT: 15.89 min Scan# 2145

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

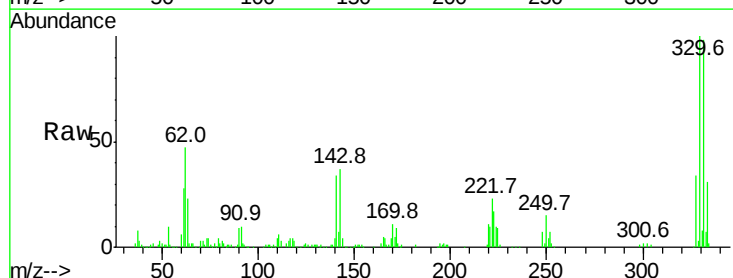
Tgt Ion:330 Resp: 191219

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

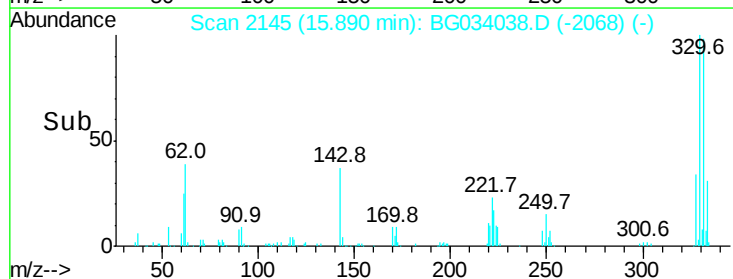
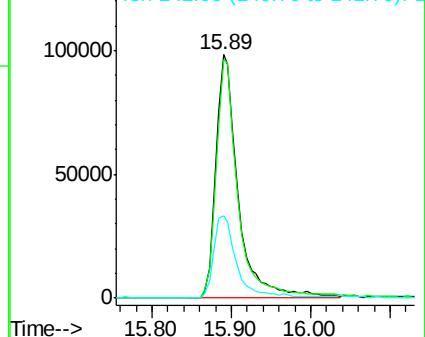
141 34.8 25.2 37.8

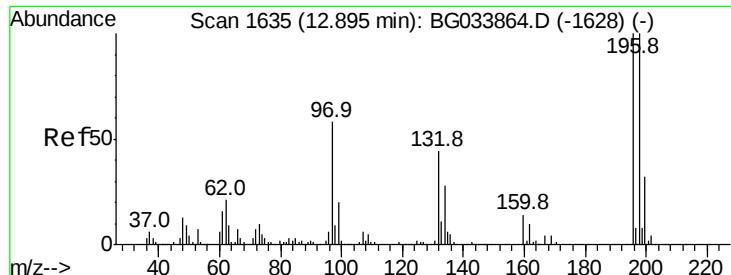


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 34.428 ng

RT: 12.83 min Scan# 1624

Delta R.T. -0.07 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampled :

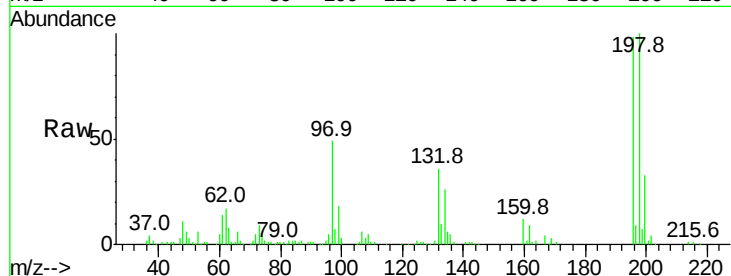
Tot Ion:196 Resp: 136261

Ion Ratio Lower Upper

196 100

198 109.1 78.2 117.2

200 36.0 24.6 36.8

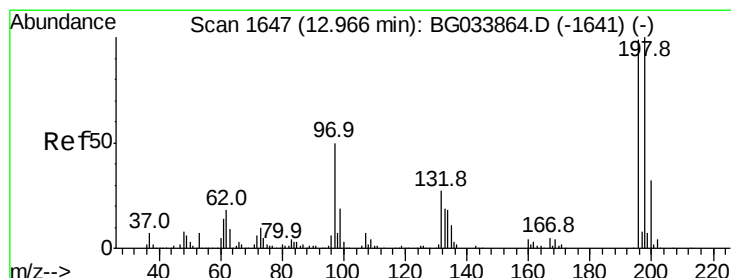
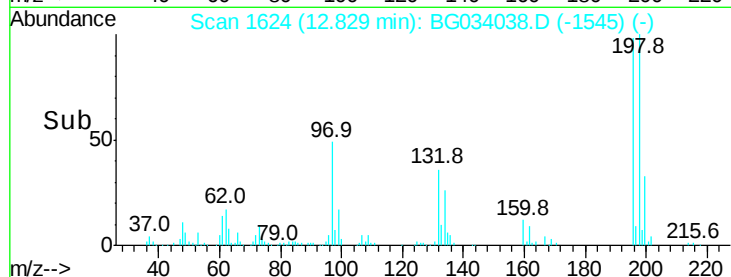
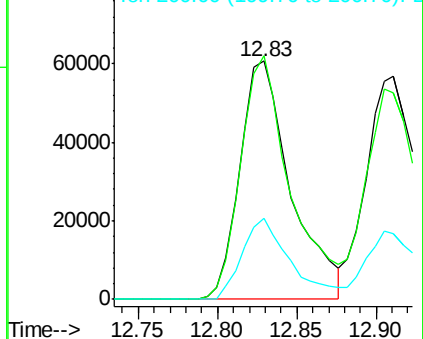


Abundance

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



#43

2,4,5-Trichlorophenol

Concen: 36.402 ng

RT: 12.91 min Scan# 1638

Delta R.T. -0.05 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Tgt Ion:196 Resp: 165635

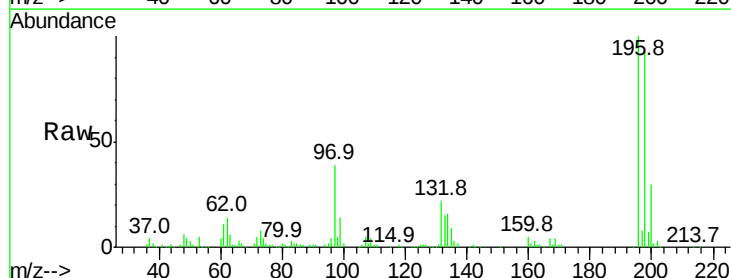
Ion Ratio Lower Upper

196 100

198 92.7 76.2 114.4

97 39.2 38.7 58.1

132 22.2 20.2 30.2



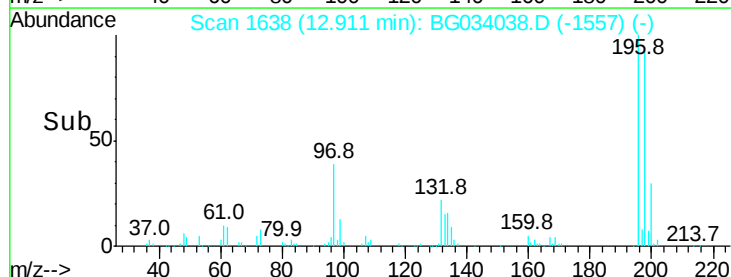
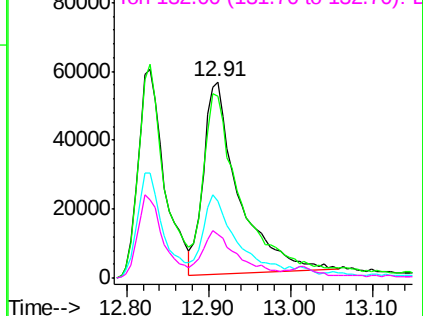
Abundance

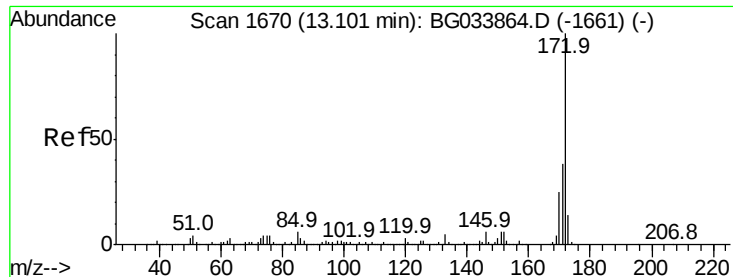
Ion 196.00 (195.70 to 196.70): E

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

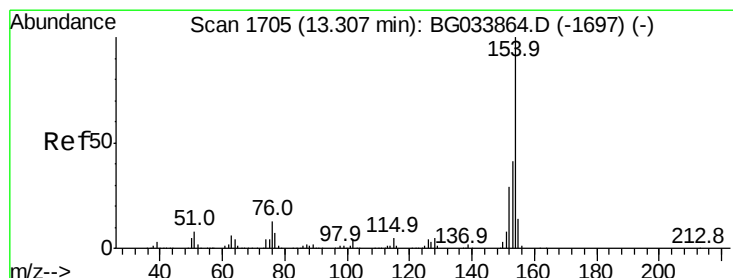
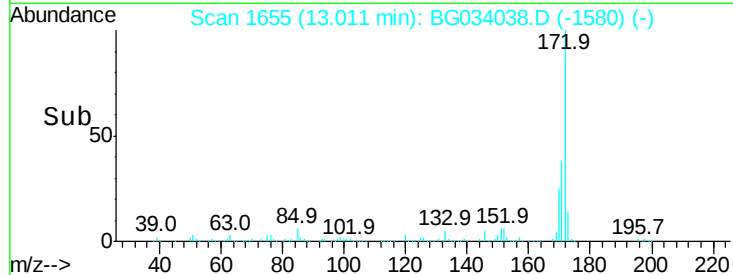
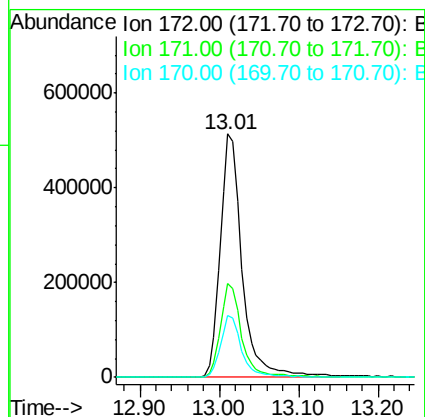
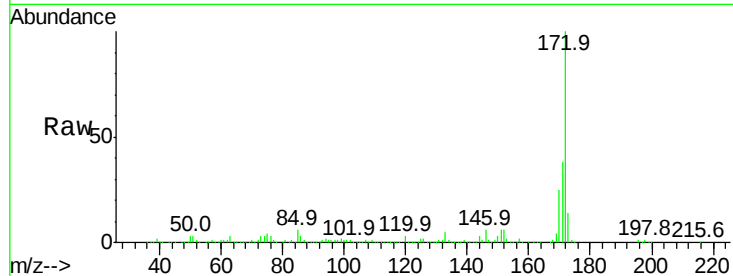




#44  
2-Fluorobiphenyl  
Concen: 74.003 ng  
RT: 13.01 min Scan# 1655  
Delta R.T. -0.09 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

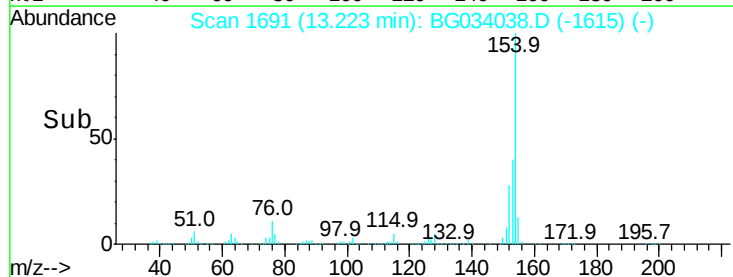
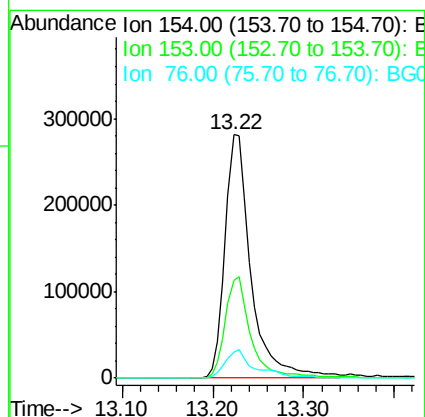
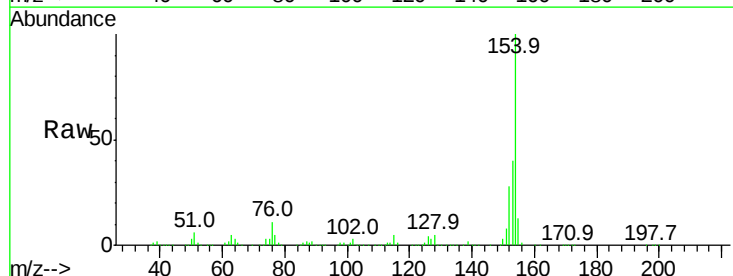
Instrument :  
BNA\_G  
ClientSampleId :

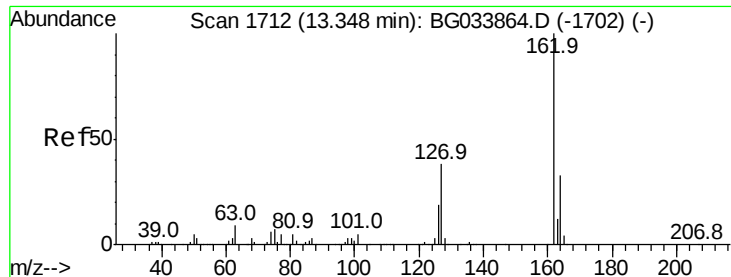
Tot Ion:172 Resp: 984794  
Ion Ratio Lower Upper  
172 100  
171 38.3 30.0 45.0  
170 25.2 19.5 29.3



#45  
1,1'-Biphenyl  
Concen: 35.510 ng  
RT: 13.22 min Scan# 1691  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:154 Resp: 561937  
Ion Ratio Lower Upper  
154 100  
153 40.0 19.8 59.8  
76 10.8 0.0 31.9

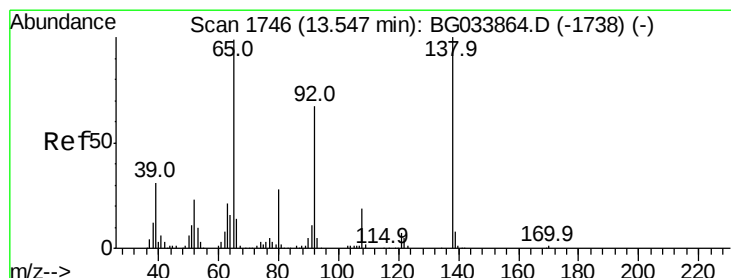
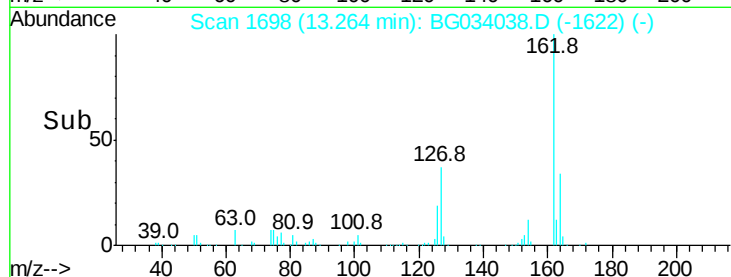
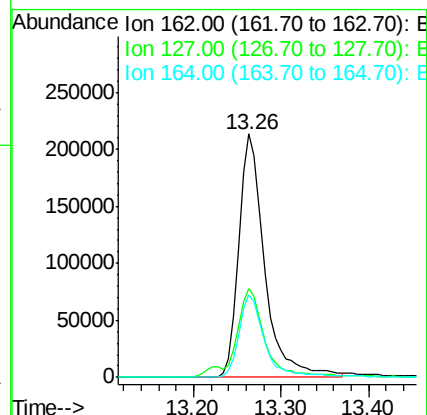
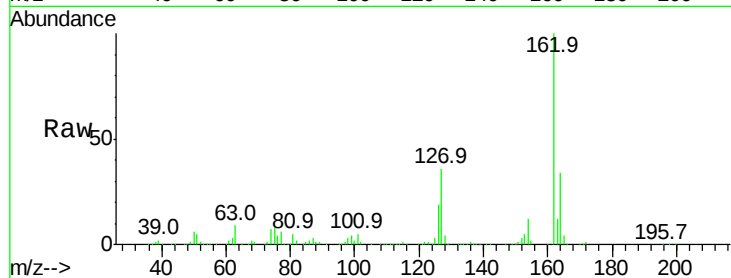




#46  
2-Chloronaphthalene  
Concen: 35.441 ng  
RT: 13.26 min Scan# 1698  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

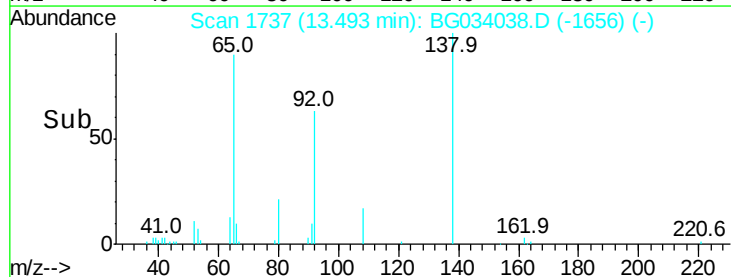
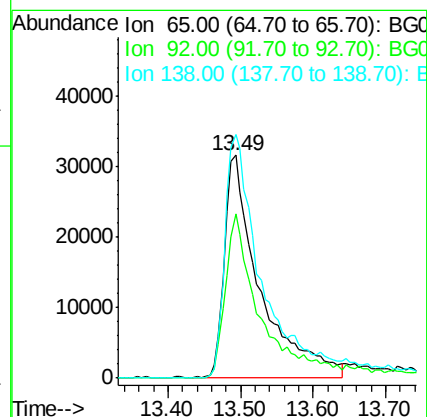
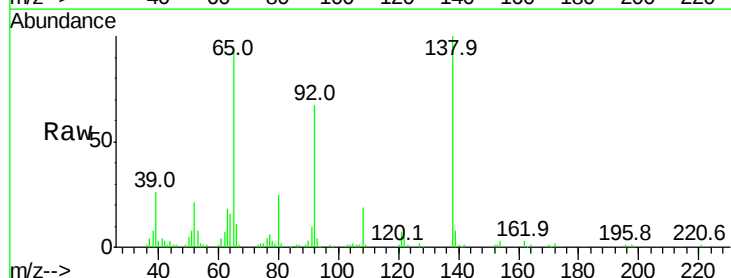
Instrument :  
BNA\_G  
ClientSampleId :

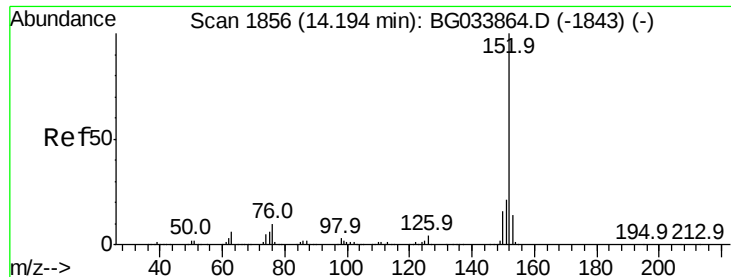
Tot Ion:162 Resp: 425260  
Ion Ratio Lower Upper  
162 100  
127 36.4 30.7 46.1  
164 33.7 26.0 39.0



#47  
2-Nitroaniline  
Concen: 28.840 ng  
RT: 13.49 min Scan# 1737  
Delta R.T. -0.05 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion: 65 Resp: 108049  
Ion Ratio Lower Upper  
65 100  
92 73.5 54.6 82.0  
138 109.3 72.9 109.3





#48

Acenaphthylene

Concen: 35.999 ng

RT: 14.11 min Scan# 1842

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

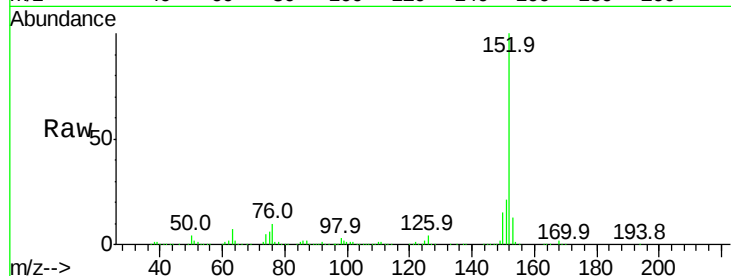
Tot Ion:152 Resp: 718008

Ion Ratio Lower Upper

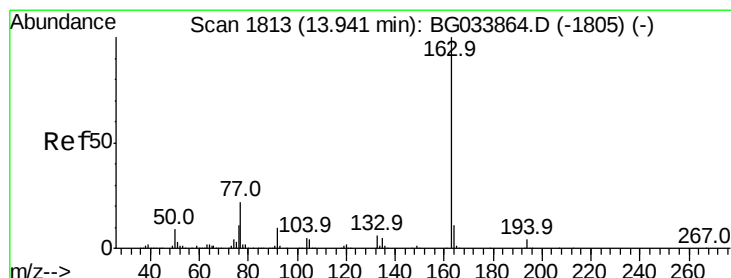
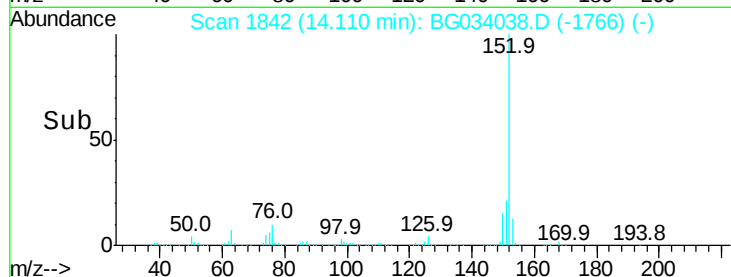
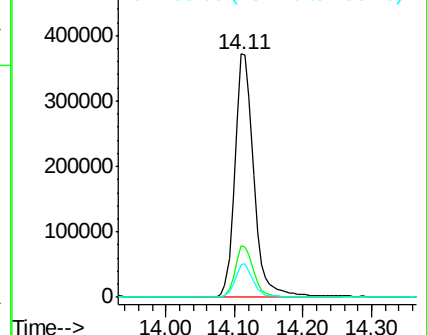
152 100

151 21.2 17.2 25.8

153 13.5 10.2 15.4



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



#49

Dimethylphthalate

Concen: 35.357 ng

RT: 13.86 min Scan# 1799

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

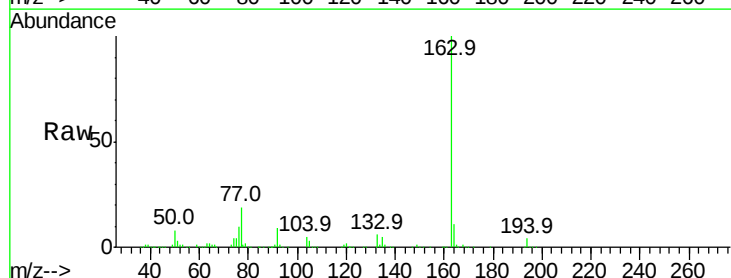
Tgt Ion:163 Resp: 608001

Ion Ratio Lower Upper

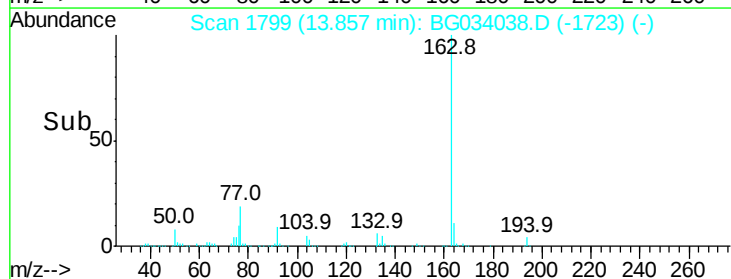
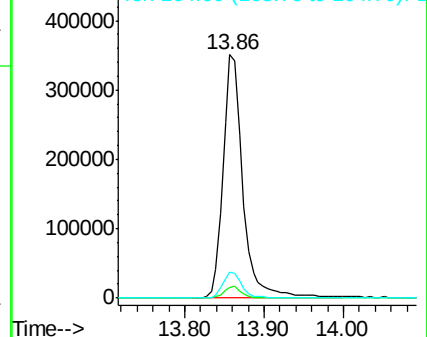
163 100

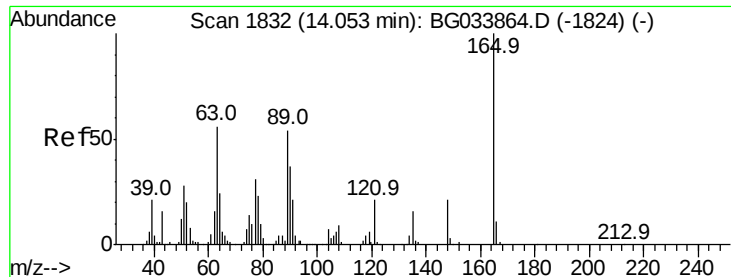
194 4.3 3.4 5.2

164 10.9 8.2 12.4



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

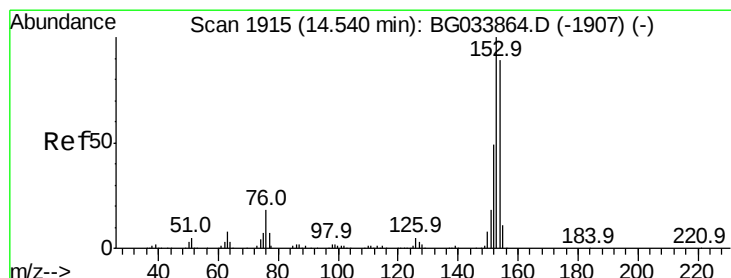
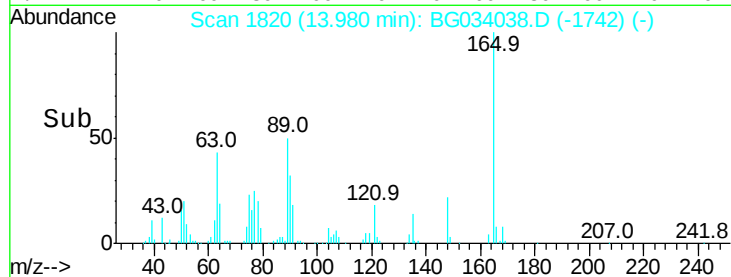
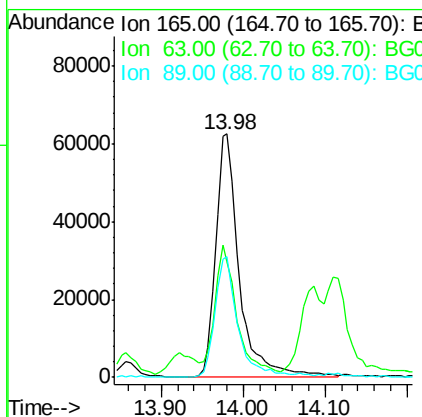
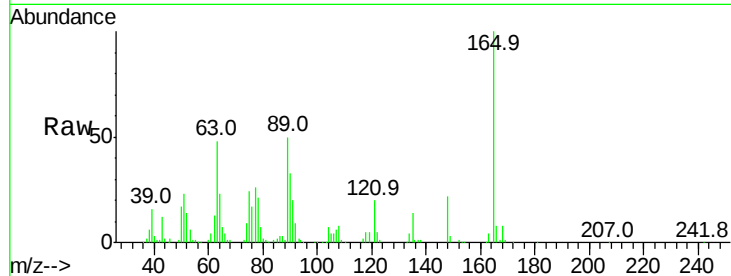




#50  
 2,6-Dinitrotoluene  
 Concen: 38.591 ng  
 RT: 13.98 min Scan# 1820  
 Delta R.T. -0.07 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

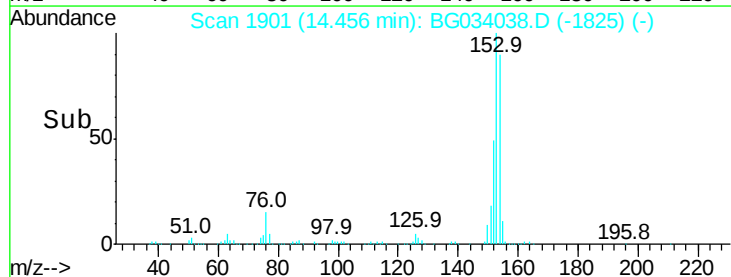
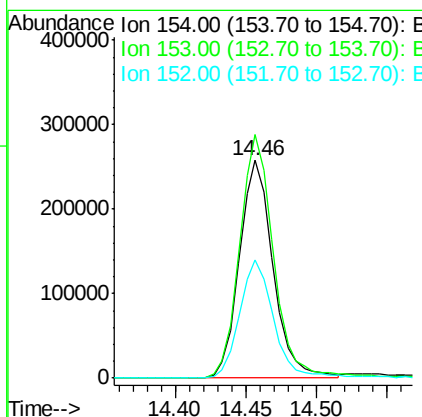
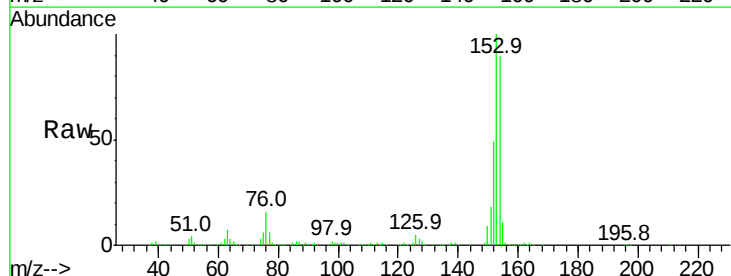
Instrument :  
 BNA\_G  
 ClientSampleId :

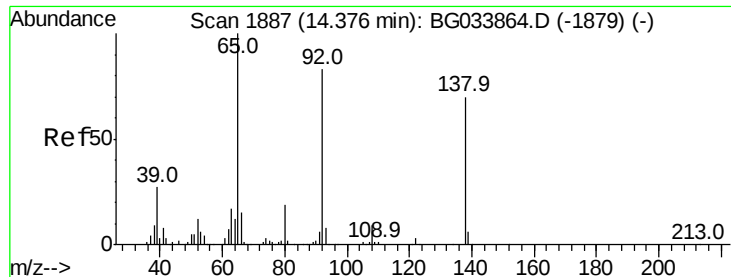
Tot Ion:165 Resp: 125762  
 Ion Ratio Lower Upper  
 165 100  
 63 47.6 52.7 79.1#  
 89 49.6 49.2 73.8



#51  
 Acenaphthene  
 Concen: 34.304 ng  
 RT: 14.46 min Scan# 1901  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:154 Resp: 429811  
 Ion Ratio Lower Upper  
 154 100  
 153 111.7 90.4 135.6  
 152 54.4 41.6 62.4

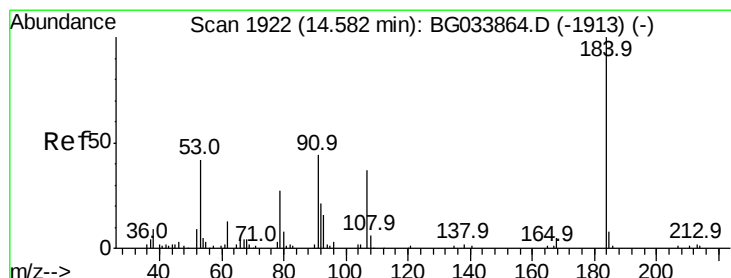
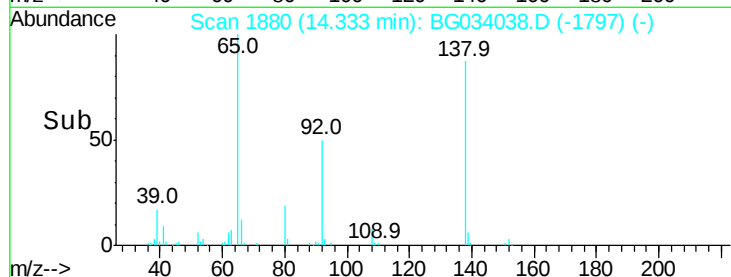
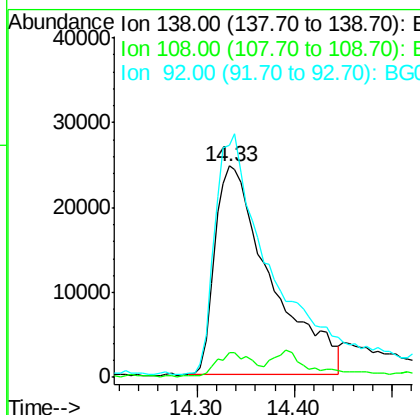
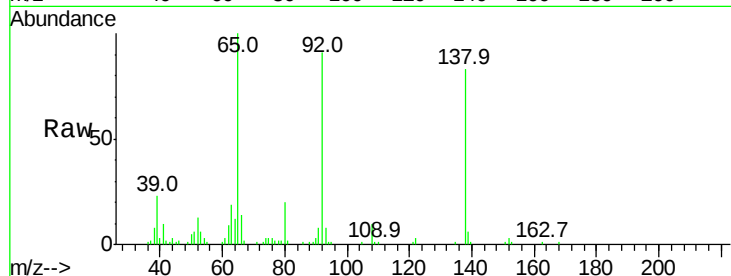




#52  
3-Nitroaniline  
Concen: 27.751 ng  
RT: 14.33 min Scan# 1880  
Delta R.T. -0.04 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

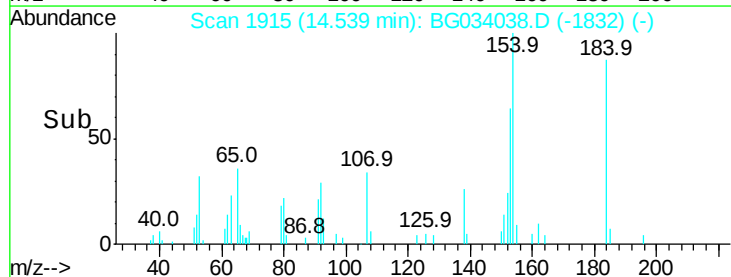
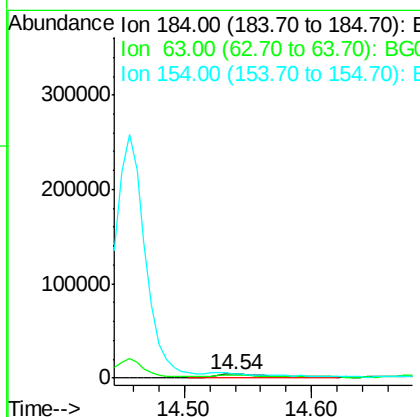
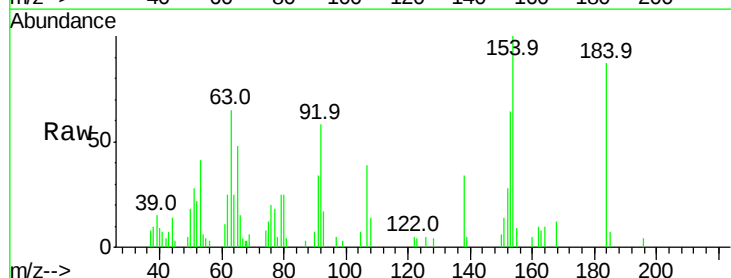
Instrument :  
BNA\_G  
ClientSampleId :

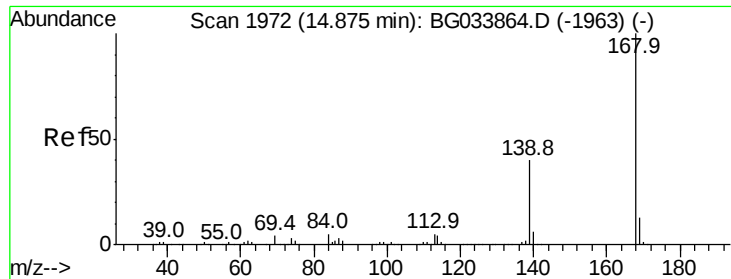
Tot Ion:138 Resp: 98201  
Ion Ratio Lower Upper  
138 100  
108 11.9 17.5 26.3#  
92 110.2 105.8 158.8



#53  
2,4-Dinitrophenol  
Concen: 13.721 ng  
RT: 14.54 min Scan# 1915  
Delta R.T. -0.04 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:184 Resp: 15991  
Ion Ratio Lower Upper  
184 100  
63 75.0 59.8 89.8  
154 115.2 101.8 152.8





#54

Dibenzenofuran

Concen: 35.958 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

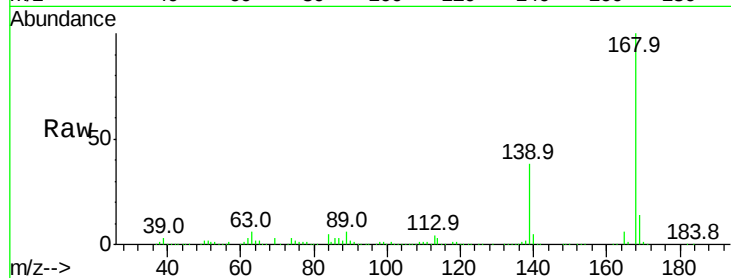
Tot Ion:168 Resp: 667951

Ion Ratio Lower Upper

168 100

139 38.3 28.6 43.0

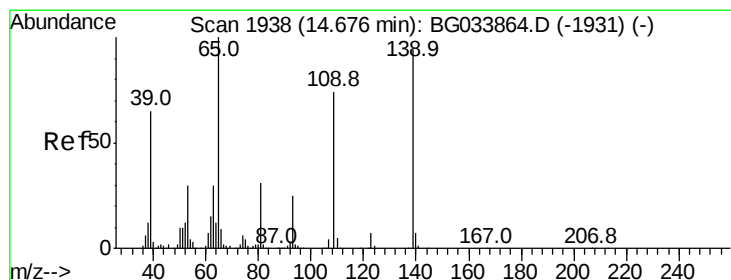
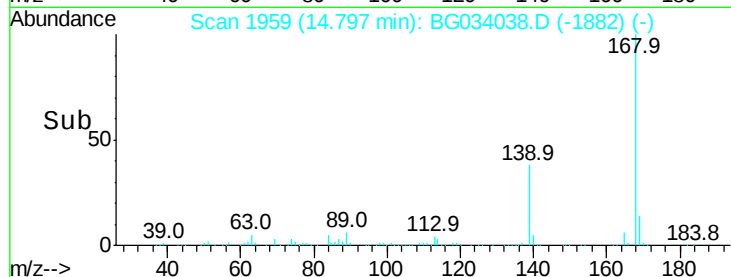
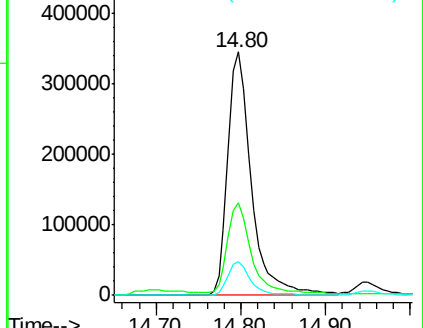
169 13.8 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 8.002 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.02 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

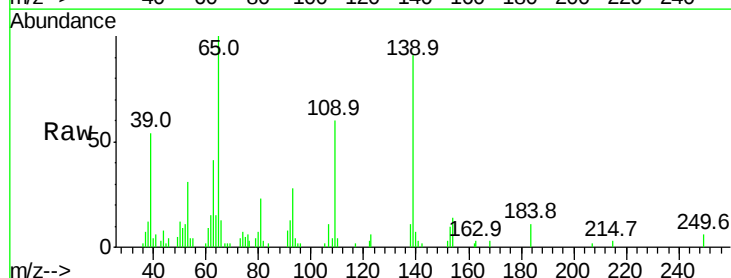
Tgt Ion:139 Resp: 22209

Ion Ratio Lower Upper

139 100

109 65.9 62.2 102.2

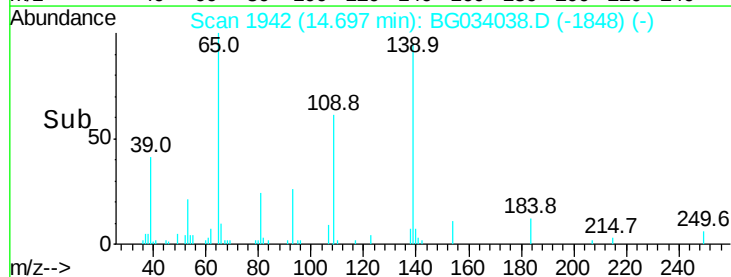
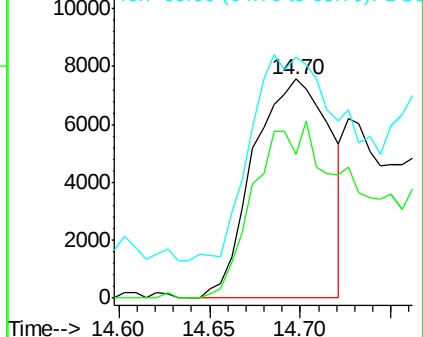
65 109.8 97.2 137.2

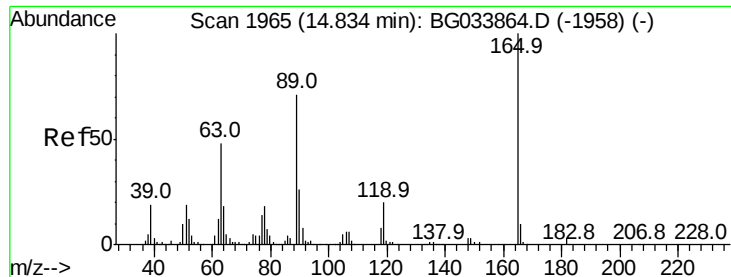


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

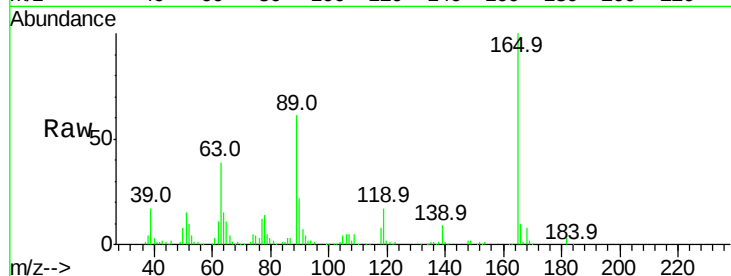




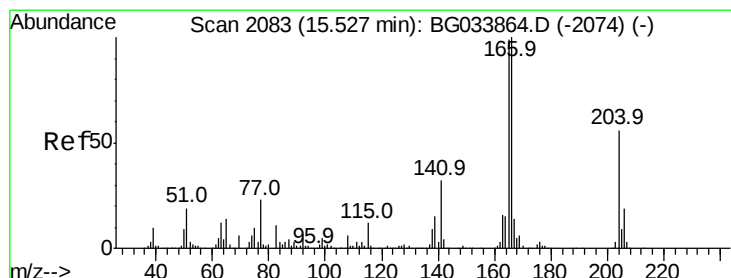
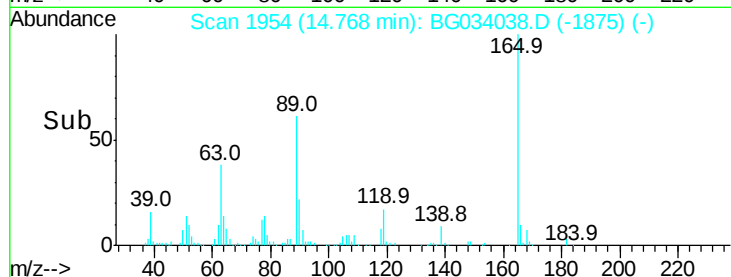
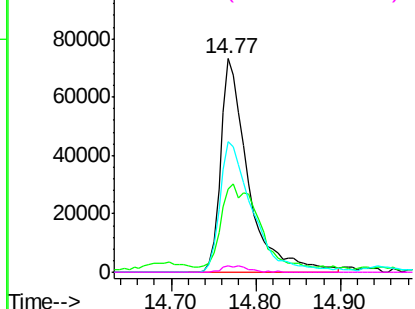
#56  
2,4-Dinitrotoluene  
Concen: 38.300 ng  
RT: 14.77 min Scan# 1954  
Delta R.T. -0.07 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:165 Resp: 165976  
Ion Ratio Lower Upper  
165 100  
63 39.2 42.0 63.0#  
89 61.4 66.9 100.3#  
182 3.2 2.6 3.8

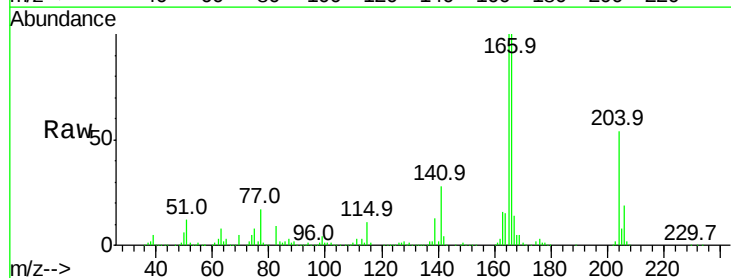


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

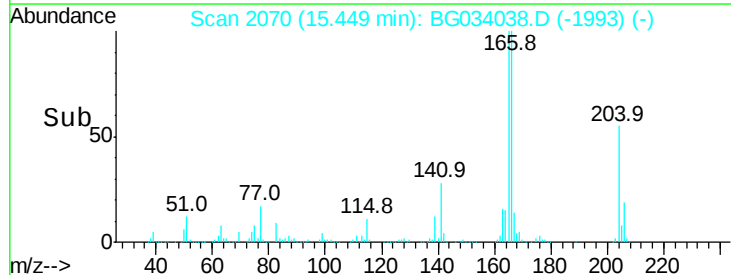
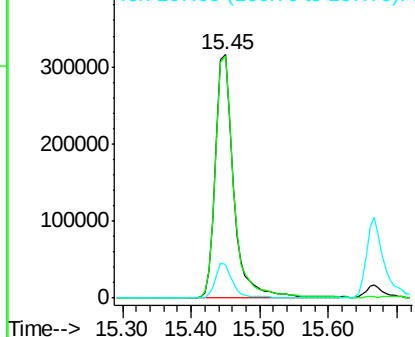


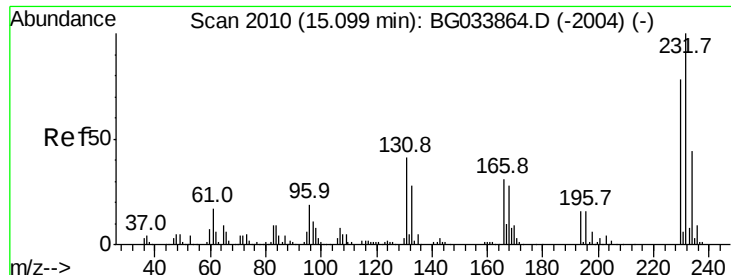
#57  
Fluorene  
Concen: 36.398 ng  
RT: 15.45 min Scan# 2070  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:166 Resp: 585074  
Ion Ratio Lower Upper  
166 100  
165 99.5 80.6 121.0  
167 13.8 10.4 15.6



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

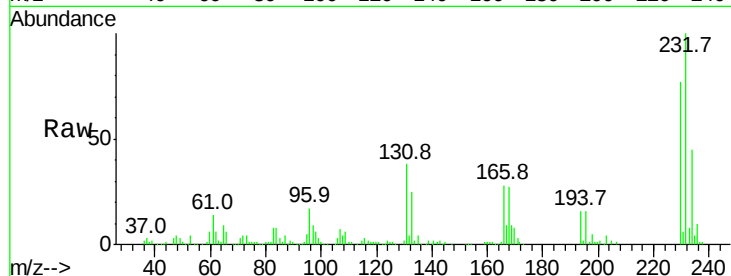




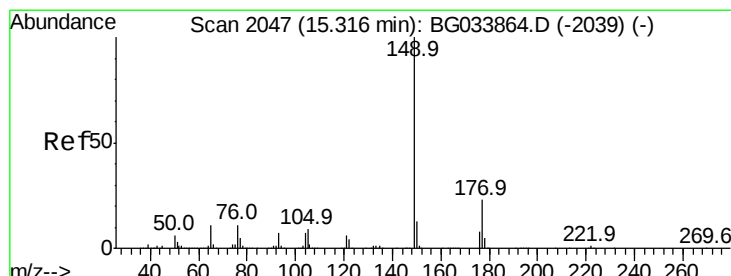
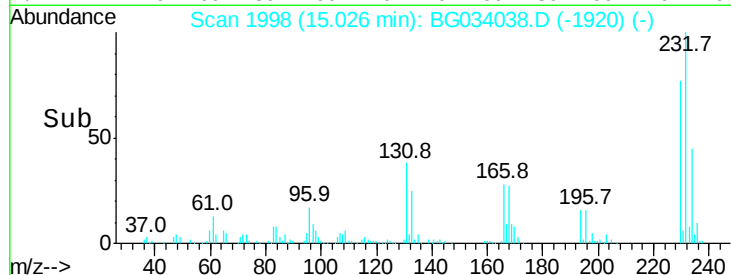
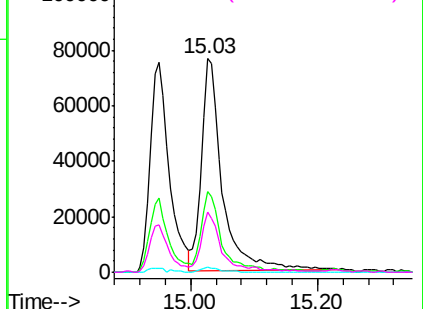
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 41.916 ng  
 RT: 15.03 min Scan# 1998  
 Delta R.T. -0.07 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:232 Resp: 174627  
 Ion Ratio Lower Upper  
 232 100  
 131 33.7 33.5 50.3  
 130 2.2 2.2 3.2  
 166 24.1 24.8 37.2#

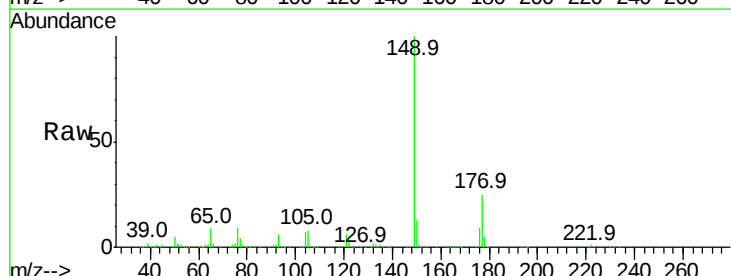


Abundance Ion 232.00 (231.70 to 232.70): E  
 120000  
 100000  
 80000  
 60000  
 40000  
 20000  
 0

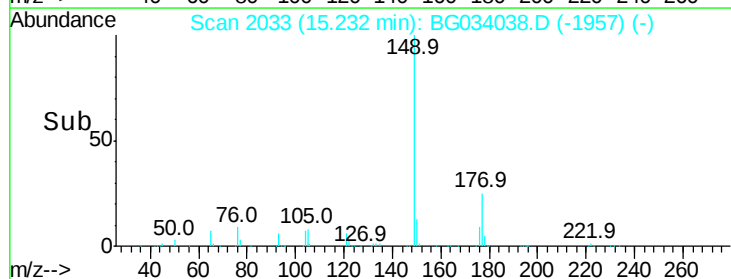
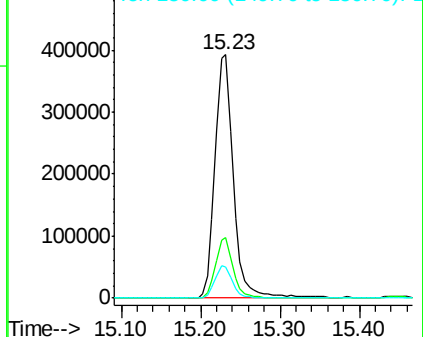


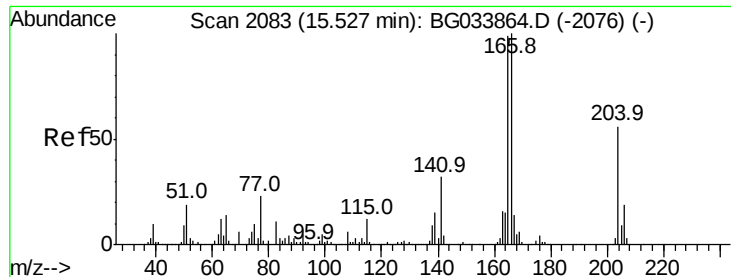
#59  
 Diethylphthalate  
 Concen: 34.817 ng  
 RT: 15.23 min Scan# 2033  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:149 Resp: 632851  
 Ion Ratio Lower Upper  
 149 100  
 177 25.1 18.5 27.7  
 150 12.8 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E  
 500000  
 400000  
 300000  
 200000  
 100000  
 0

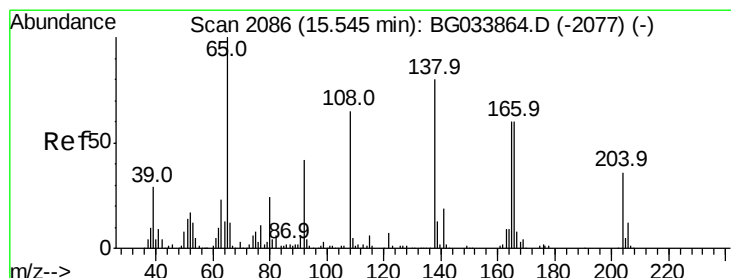
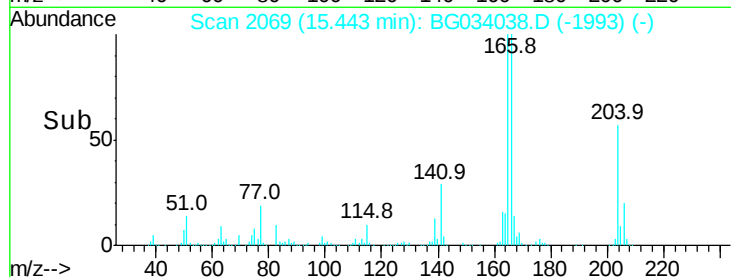
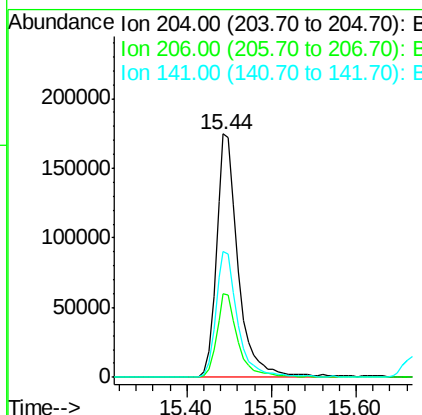
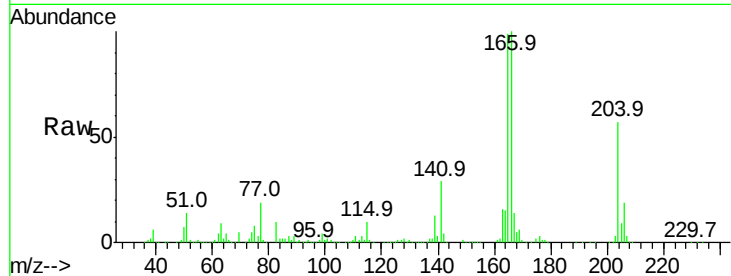




#60  
4-Chlorophenyl-phenylether  
Concen: 37.573 ng  
RT: 15.44 min Scan# 2069  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

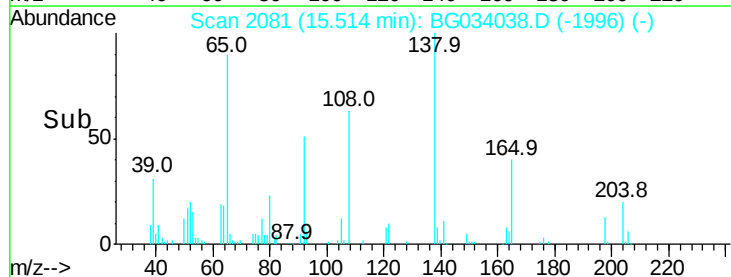
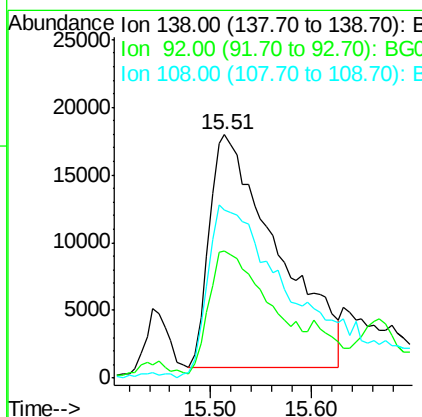
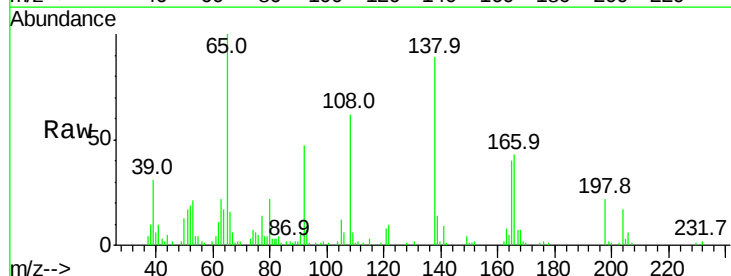
Instrument :  
BNA\_G  
ClientSampled :

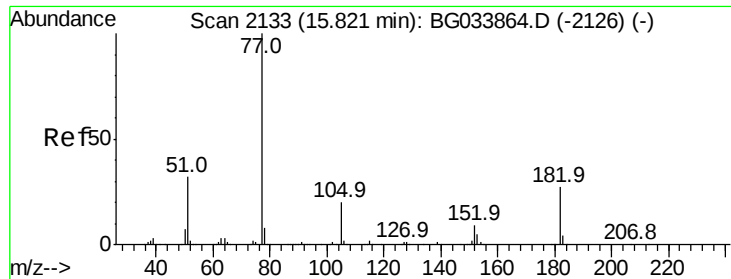
Tot Ion:204 Resp: 315902  
Ion Ratio Lower Upper  
204 100  
206 34.3 26.2 39.2  
141 51.7 45.8 68.6



#61  
4-Nitroaniline  
Concen: 21.177 ng  
RT: 15.51 min Scan# 2081  
Delta R.T. -0.03 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:138 Resp: 79567  
Ion Ratio Lower Upper  
138 100  
92 52.5 40.1 80.1  
108 69.0 65.4 105.4





#62

Azobenzene

Concen: 30.098 ng

RT: 15.74 min Scan# 2119

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 487670

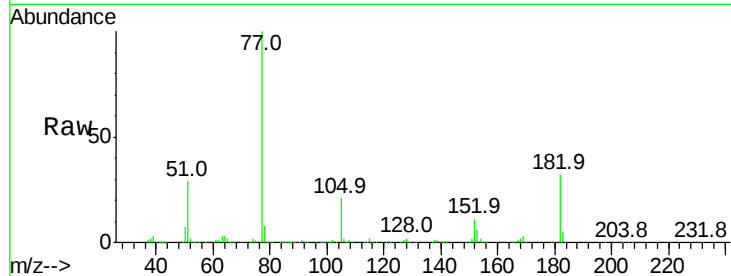
Ion Ratio Lower Upper

77 100

182 31.6 7.4 47.4

105 20.9 0.3 40.3

51 29.4 11.6 51.6

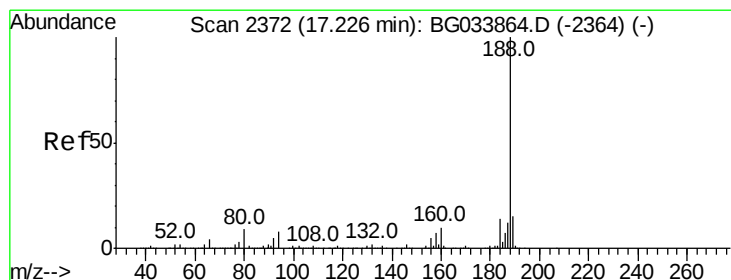
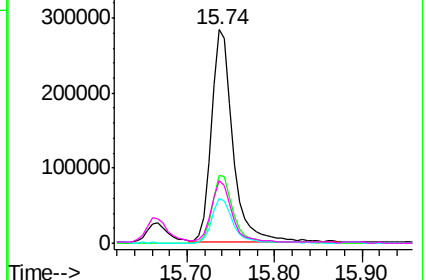
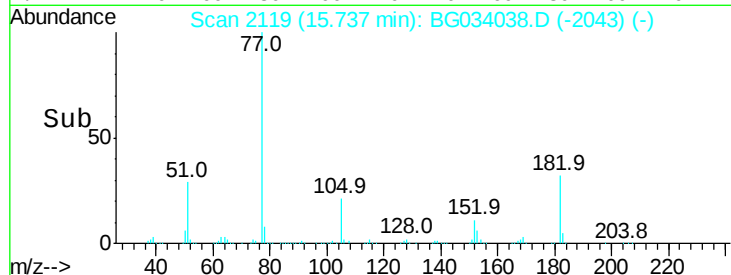


Abundance Ion 77.00 (76.70 to 77.70): BGC

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.15 min Scan# 2359

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

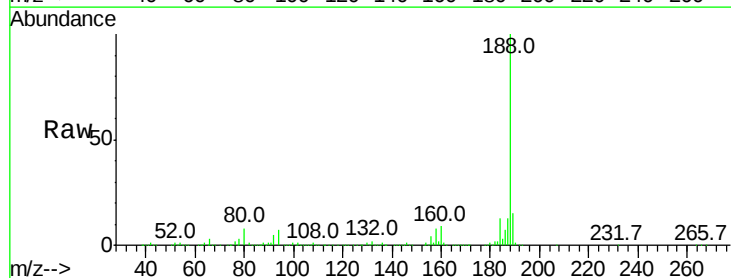
Tgt Ion: 188 Resp: 488257

Ion Ratio Lower Upper

188 100

94 7.0 6.9 10.3

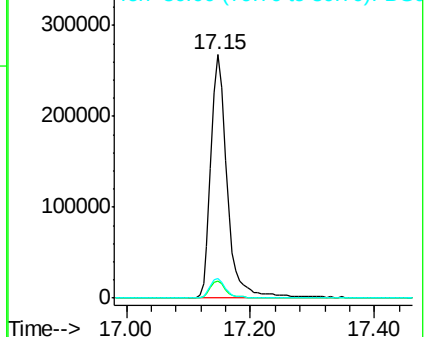
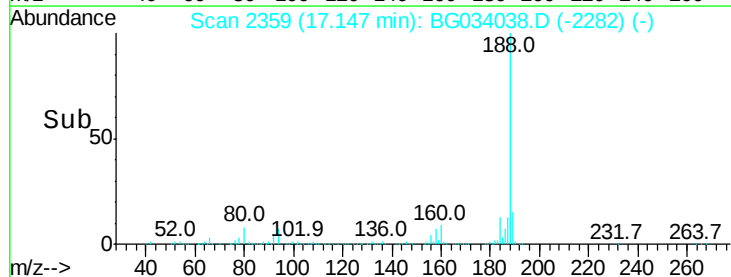
80 8.0 7.7 11.5

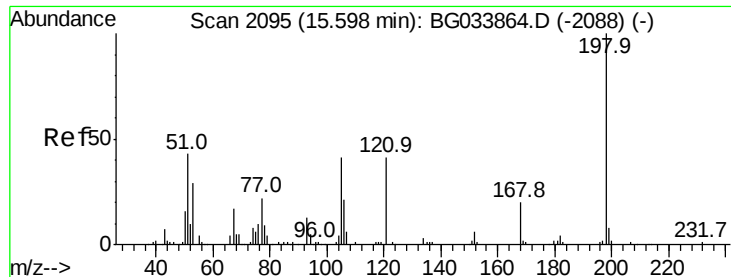


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

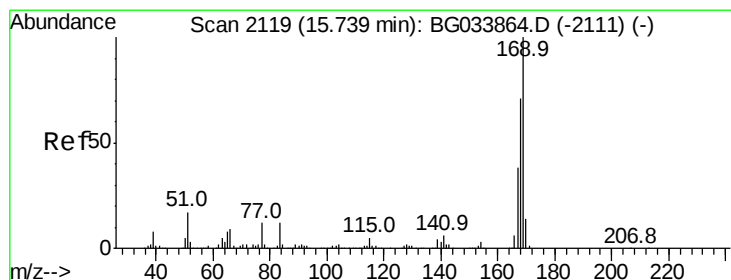
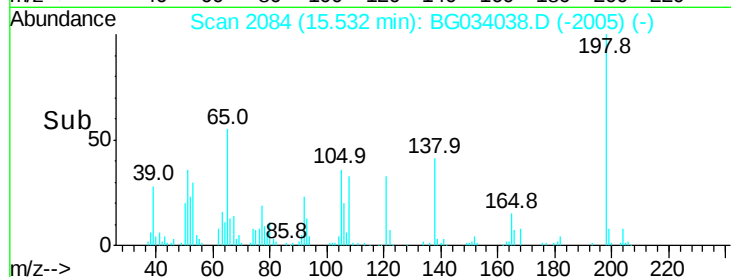
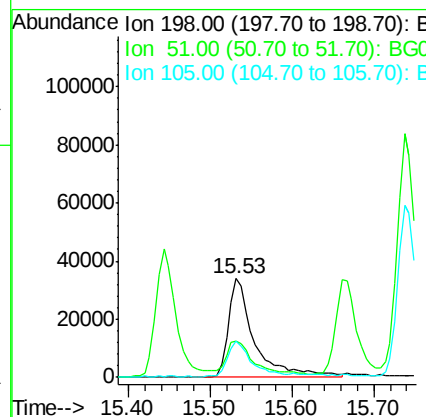
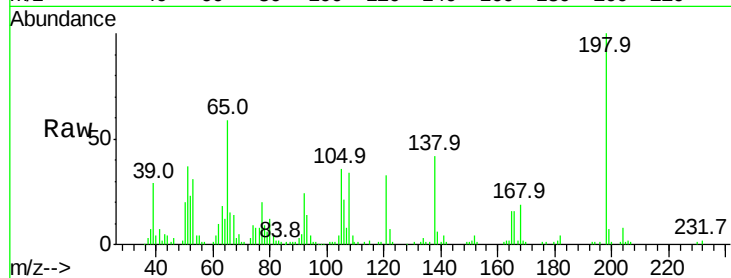




#64  
4,6-Dinitro-2-methylphenol  
Concen: 34.089 ng  
RT: 15.53 min Scan# 2084  
Delta R.T. -0.07 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

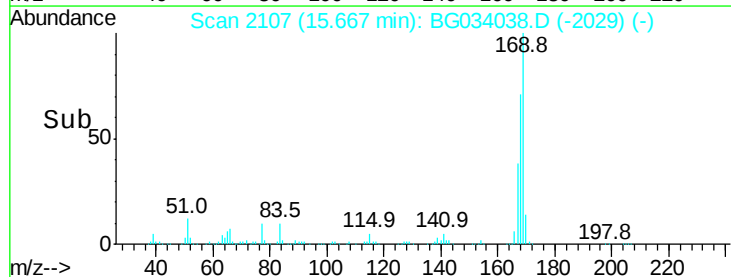
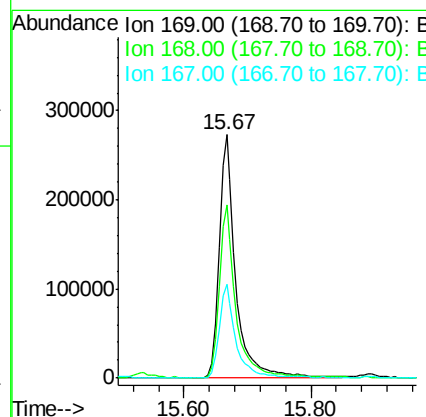
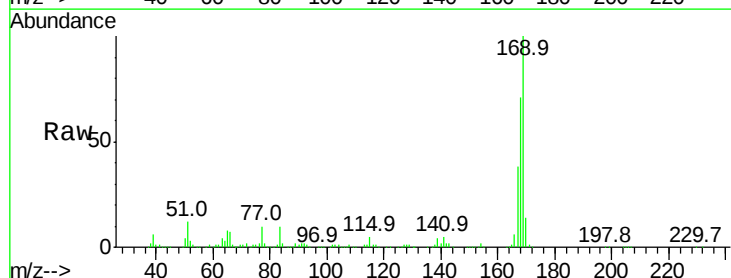
Instrument :  
BNA\_G  
ClientSampleId :

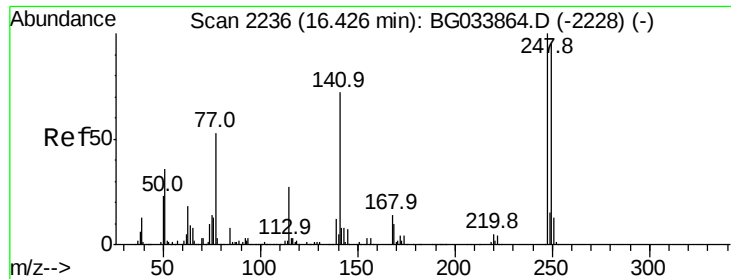
Tot Ion:198 Resp: 75035  
Ion Ratio Lower Upper  
198 100  
51 36.6 30.6 70.6  
105 36.4 23.8 63.8



#65  
n-Nitrosodiphenylamine  
Concen: 35.944 ng  
RT: 15.67 min Scan# 2107  
Delta R.T. -0.07 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:169 Resp: 510234  
Ion Ratio Lower Upper  
169 100  
168 71.1 55.7 83.5  
167 38.4 30.1 45.1

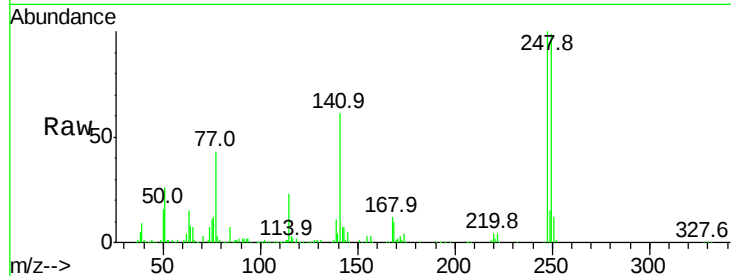




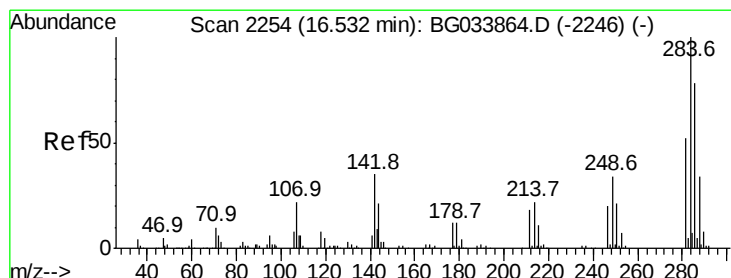
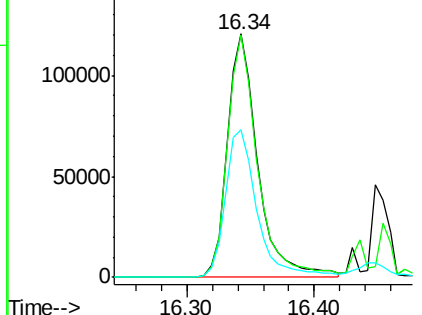
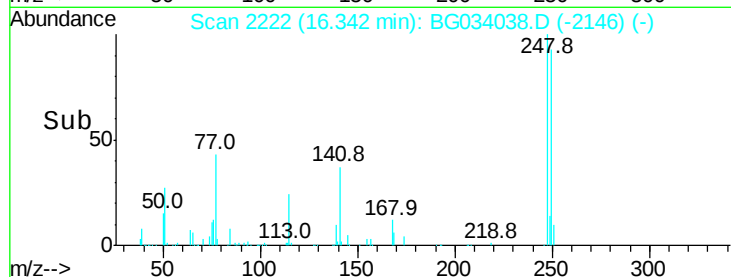
#66  
4-Bromophenyl-phenylether  
Concen: 37.294 ng  
RT: 16.34 min Scan# 2222  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 199974  
Ion Ratio Lower Upper  
248 100  
250 99.4 77.1 115.7  
141 60.8 50.8 76.2

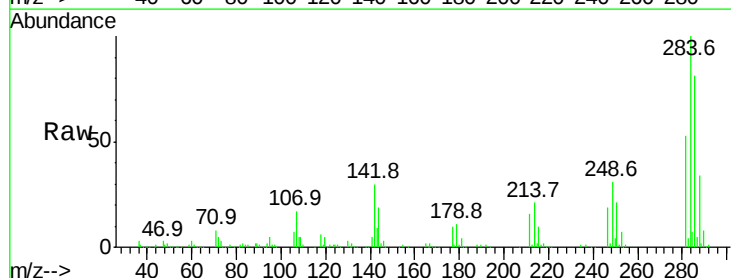


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

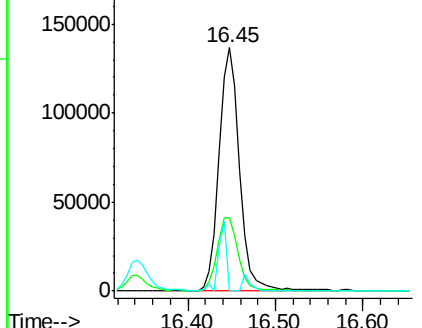
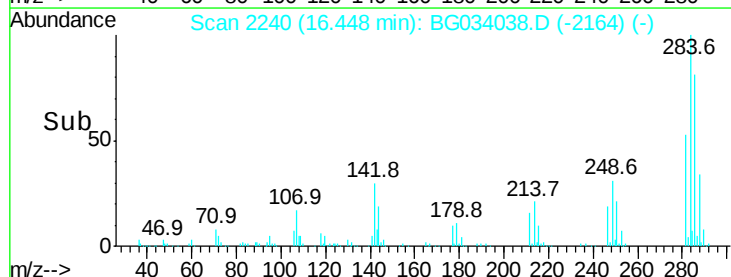


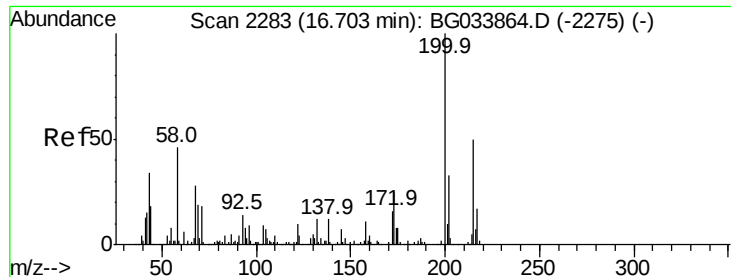
#67  
Hexachlorobenzene  
Concen: 39.057 ng  
RT: 16.45 min Scan# 2240  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:284 Resp: 223342  
Ion Ratio Lower Upper  
284 100  
142 30.3 26.8 40.2  
249 3.7 26.3 39.5#



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





#68

Atrazine

Concen: 35.041 ng

RT: 16.62 min Scan# 2269

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

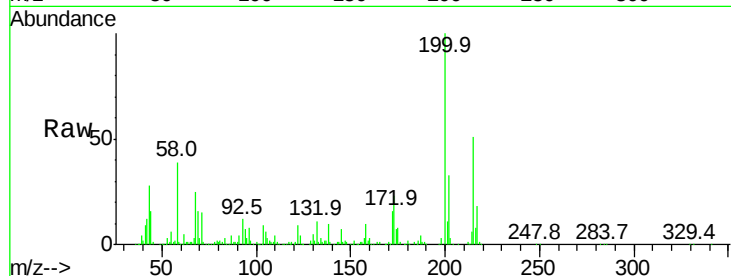
Tot Ion:200 Resp: 194864

Ion Ratio Lower Upper

200 100

173 23.1 5.2 45.2

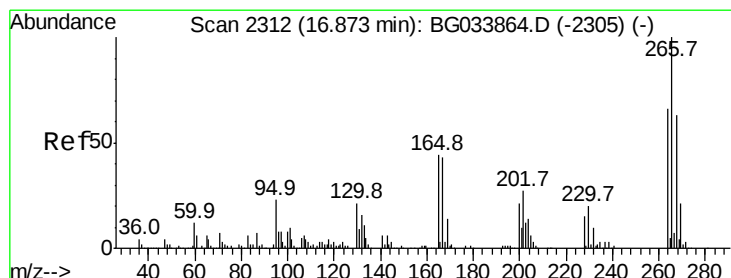
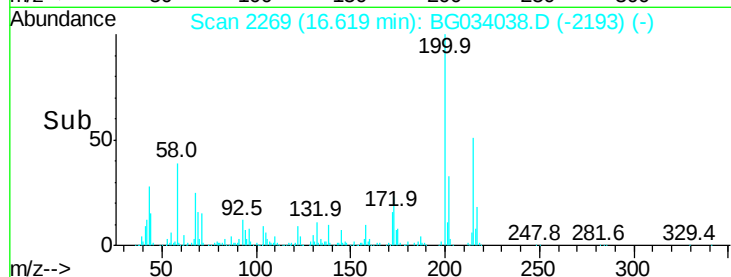
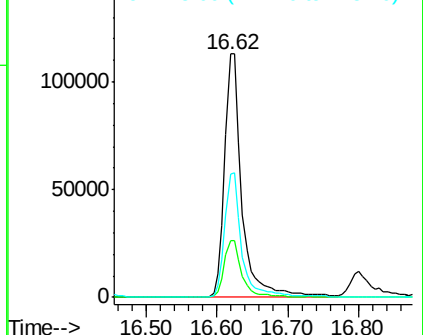
215 50.8 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 32.960 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.07 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

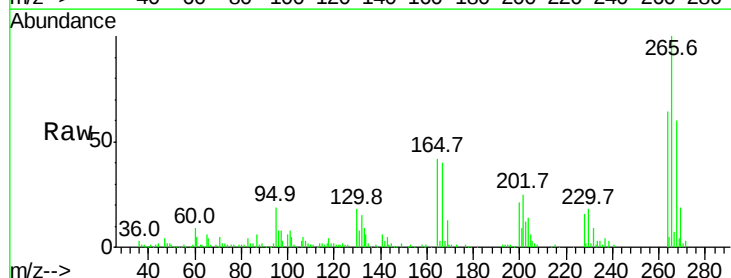
Tgt Ion:266 Resp: 129464

Ion Ratio Lower Upper

266 100

268 3.8 51.1 76.7#

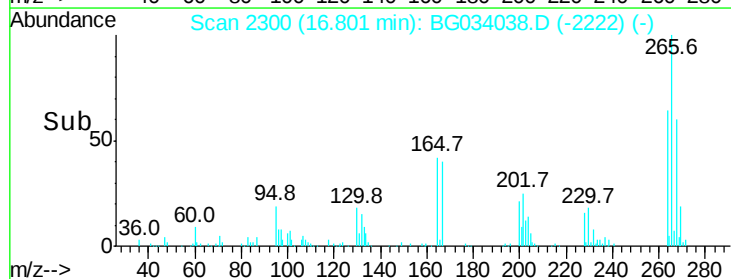
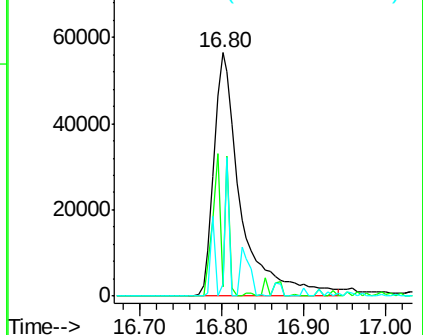
264 5.1 49.6 74.4#

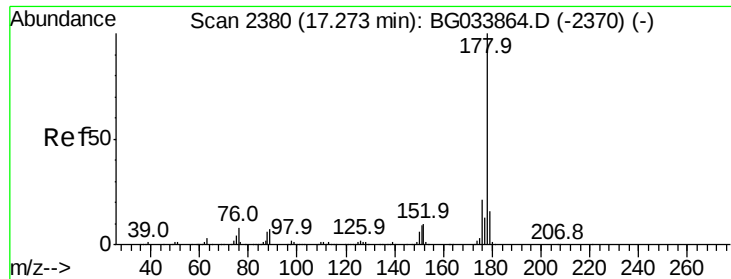


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

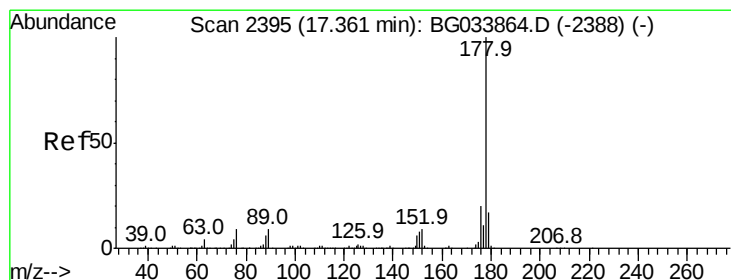
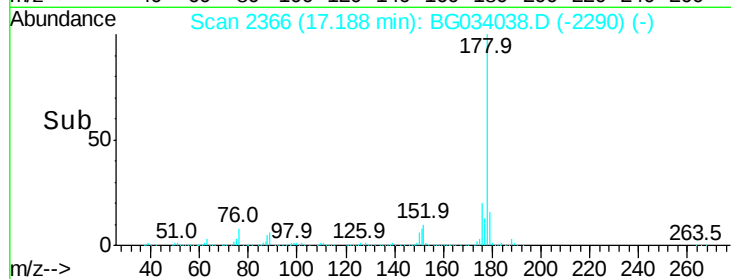
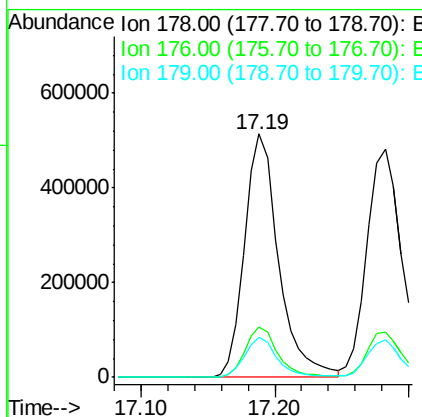
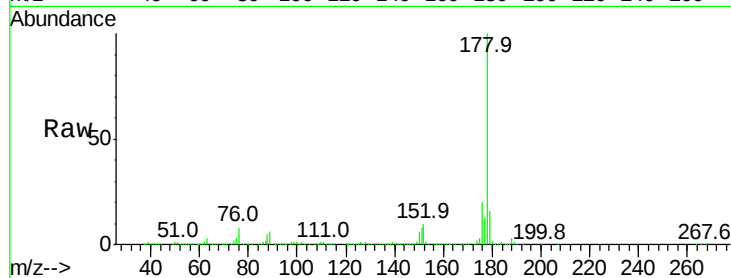




#70  
 Phenanthrene  
 Concen: 34.635 ng  
 RT: 17.19 min Scan# 2366  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

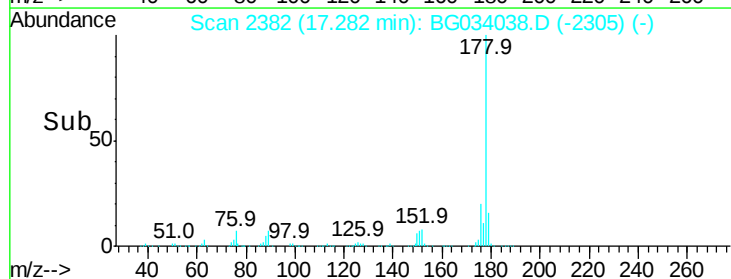
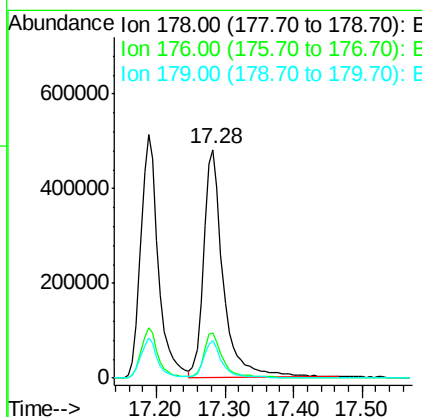
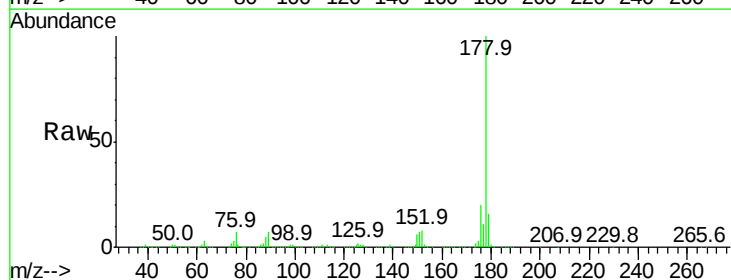
Instrument :  
 BNA\_G  
 ClientSampleId :

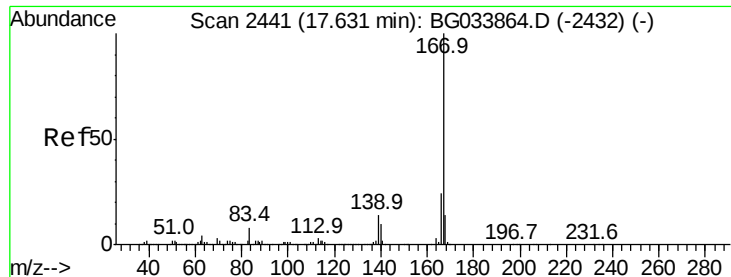
Tot Ion:178 Resp: 907197  
 Ion Ratio Lower Upper  
 178 100  
 176 20.4 15.7 23.5  
 179 16.3 12.5 18.7



#71  
 Anthracene  
 Concen: 36.704 ng  
 RT: 17.28 min Scan# 2382  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:178 Resp: 961423  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.0 24.0  
 179 16.2 12.5 18.7





#72

Carbazole

Concen: 33.920 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.07 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

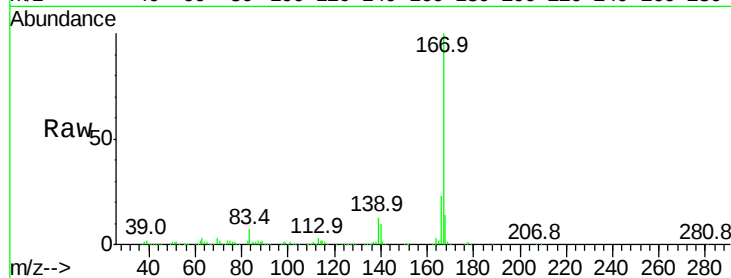
Tot Ion:167 Resp: 857179

Ion Ratio Lower Upper

167 100

166 23.5 18.2 27.4

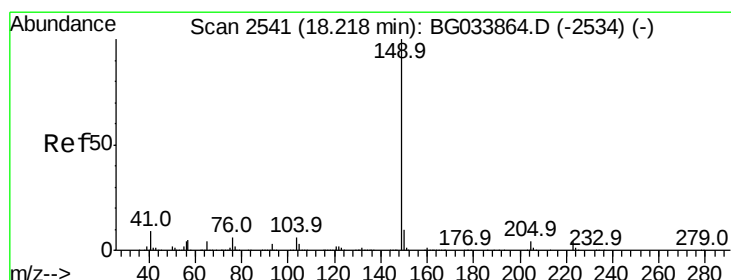
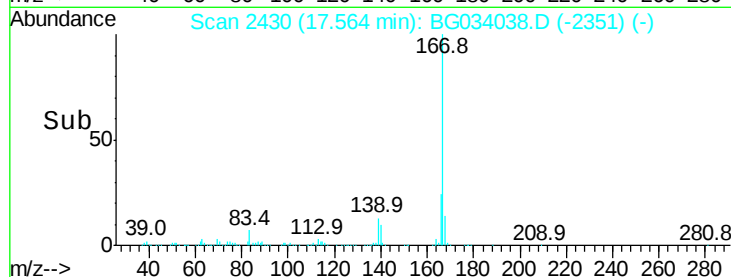
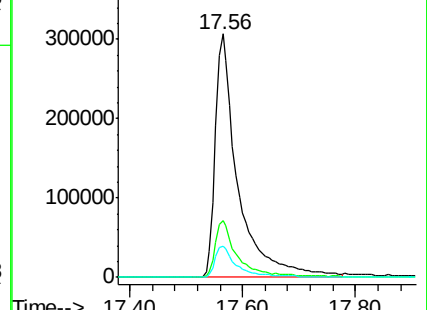
139 13.0 9.4 14.2



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



#73

Di-n-butylphthalate

Concen: 34.049 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.09 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

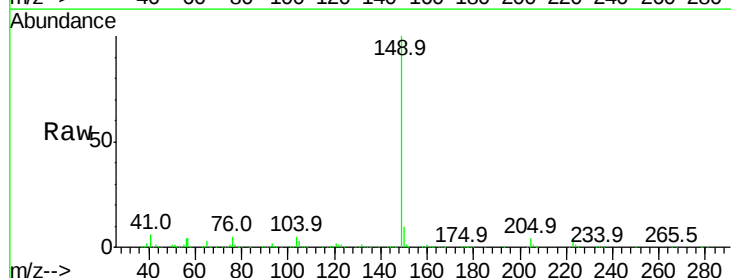
Tgt Ion:149 Resp: 1070430

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

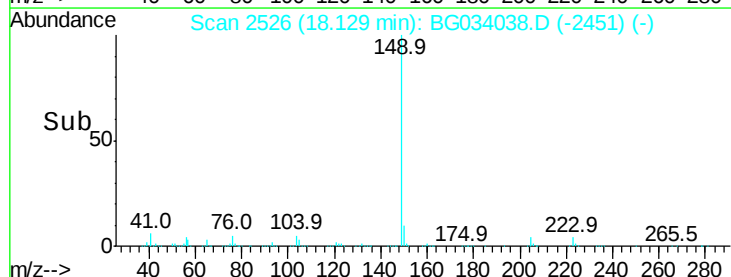
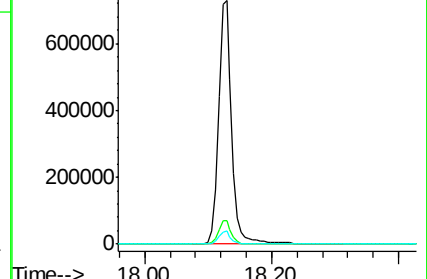
104 5.2 3.9 5.9

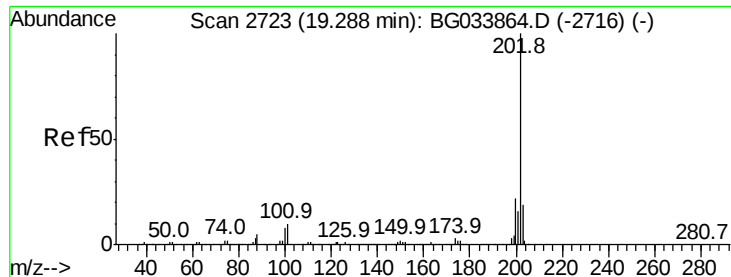


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 36.172 ng

RT: 19.21 min Scan# 2710

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

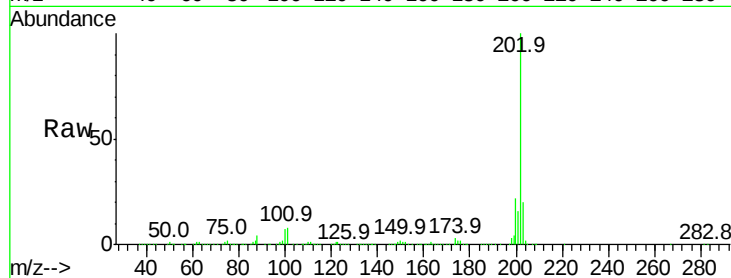
Tot Ion:202 Resp: 1146074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 8.2   | 0.0   | 28.9  |
| 203 | 19.6  | 0.0   | 37.5  |

202 100

101 8.2 0.0 28.9

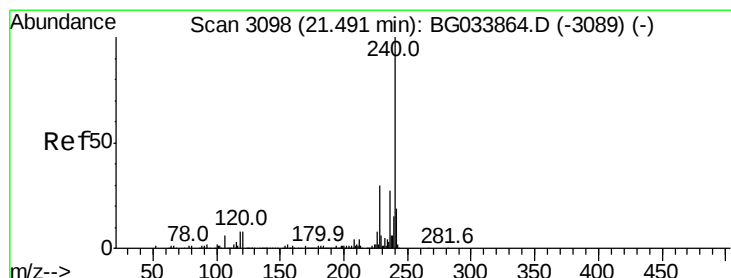
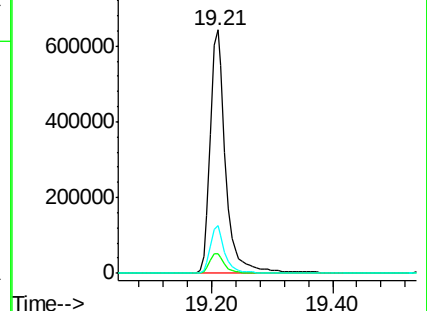
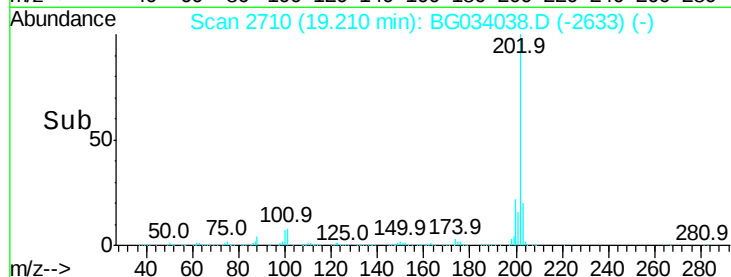
203 19.6 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3082

Delta R.T. -0.10 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

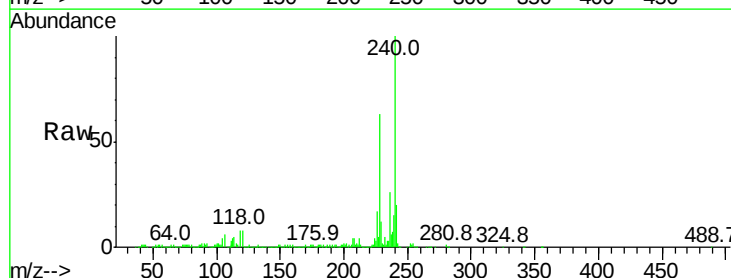
Tgt Ion:240 Resp: 494617

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 7.5   | 6.8   | 10.2  |
| 236 | 26.0  | 20.9  | 31.3  |

240 100

120 7.5 6.8 10.2

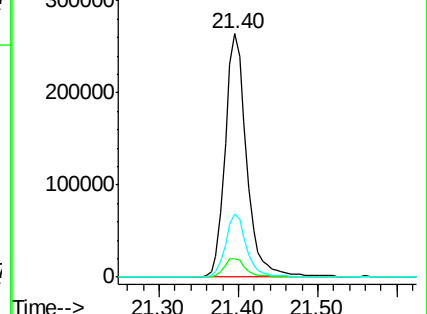
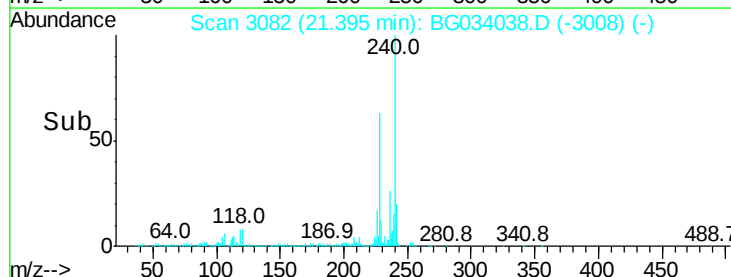
236 26.0 20.9 31.3

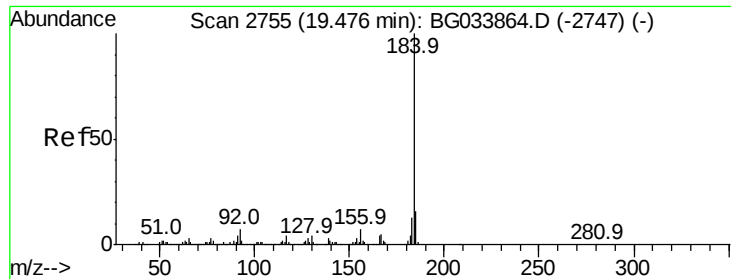


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 18.594 ng

RT: 19.43 min Scan# 2748

Delta R.T. -0.04 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

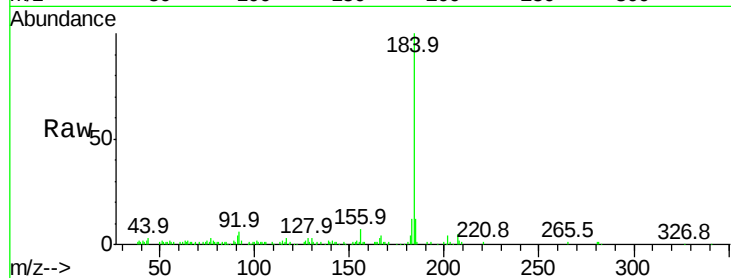
Tot Ion:184 Resp: 248349

Ion Ratio Lower Upper

184 100

185 12.4 11.1 16.7

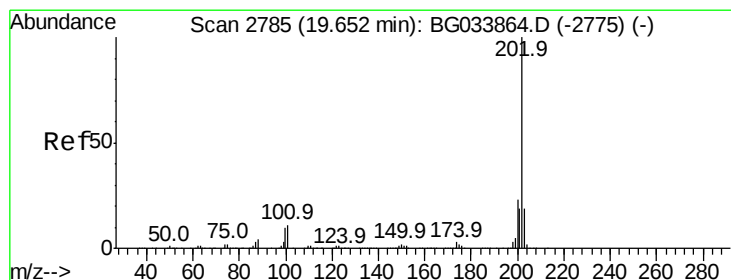
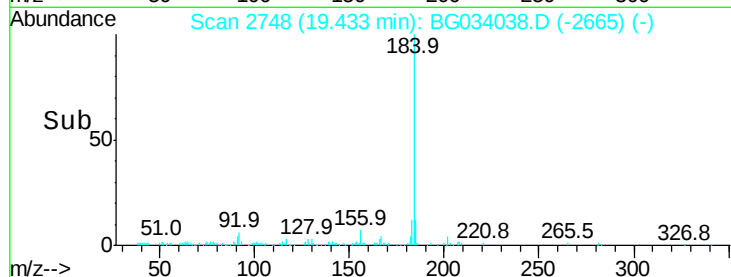
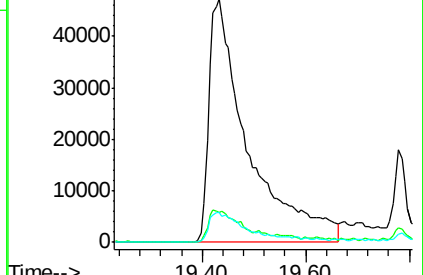
183 12.2 10.6 16.0



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



#77

Pyrene

Concen: 35.797 ng

RT: 19.57 min Scan# 2772

Delta R.T. -0.08 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

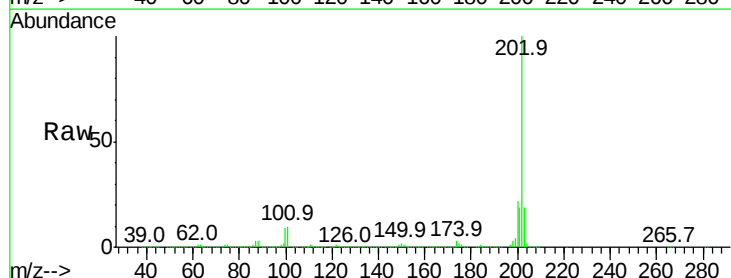
Tgt Ion:202 Resp: 1161320

Ion Ratio Lower Upper

202 100

200 22.2 16.9 25.3

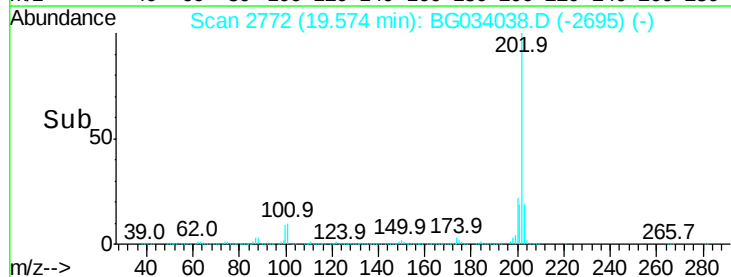
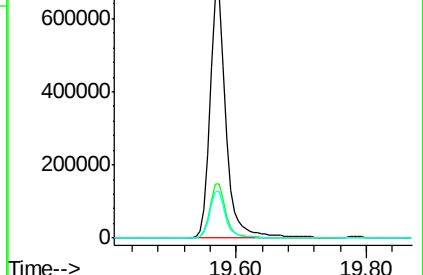
203 18.8 13.9 20.9

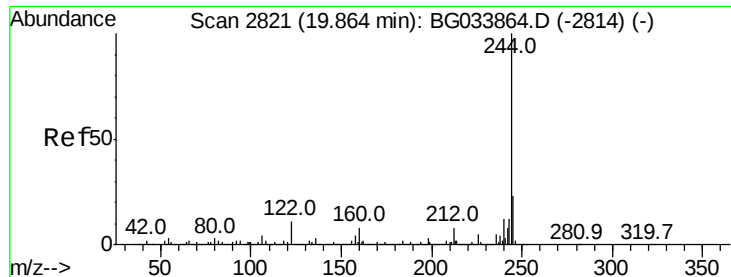


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

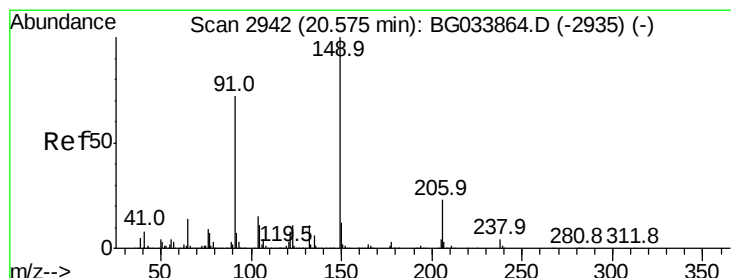
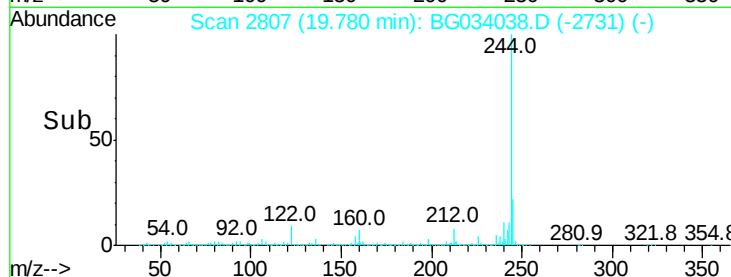
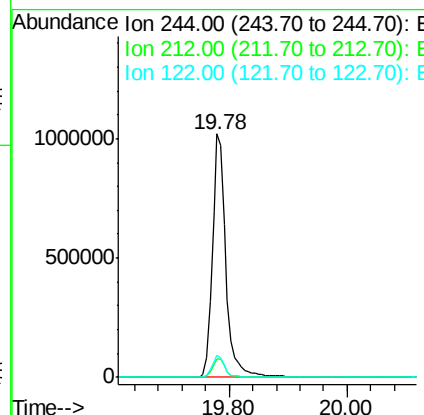
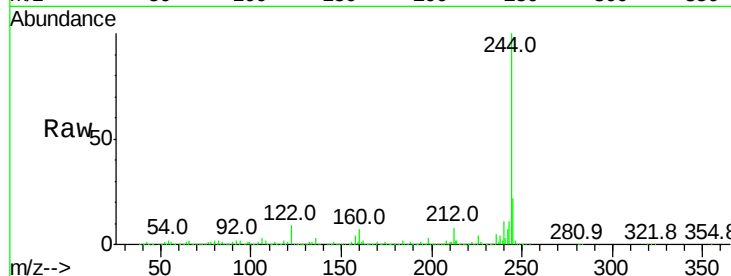




#78  
 Terphenyl-d14  
 Concen: 73.715 ng  
 RT: 19.78 min Scan# 2807  
 Delta R.T. -0.08 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

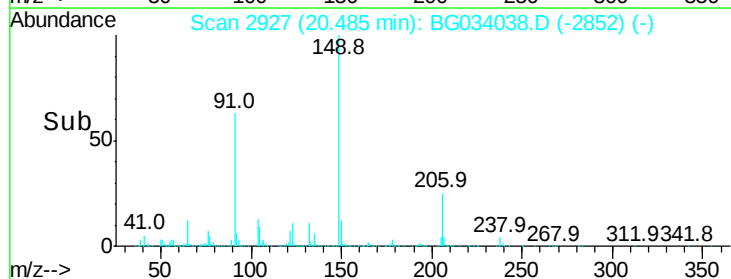
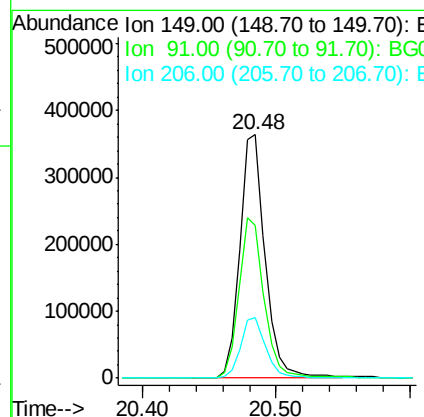
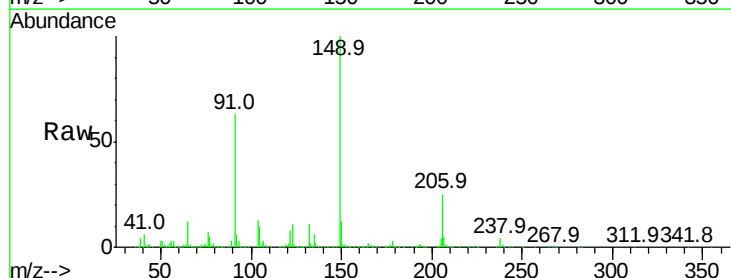
Instrument :  
 BNA\_G  
 ClientSampled :

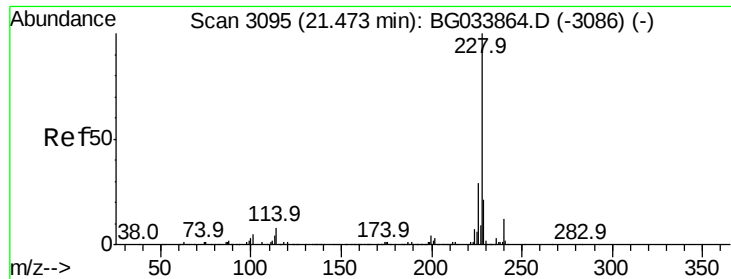
Tot Ion:244 Resp: 1622907  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.8 8.8  
 122 9.2 7.0 10.4



#79  
 Butylbenzylphthalate  
 Concen: 33.551 ng  
 RT: 20.48 min Scan# 2927  
 Delta R.T. -0.09 min  
 Lab File: BG034038.D  
 Acq: 27 Apr 2018 14:26

Tgt Ion:149 Resp: 477995  
 Ion Ratio Lower Upper  
 149 100  
 91 62.7 62.2 93.2  
 206 24.8 18.6 27.8

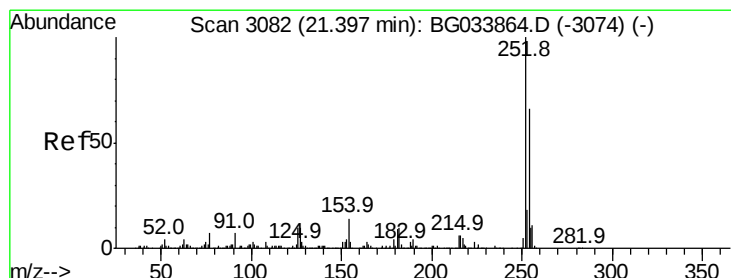
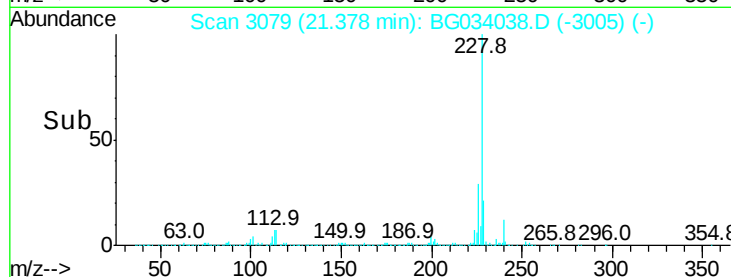
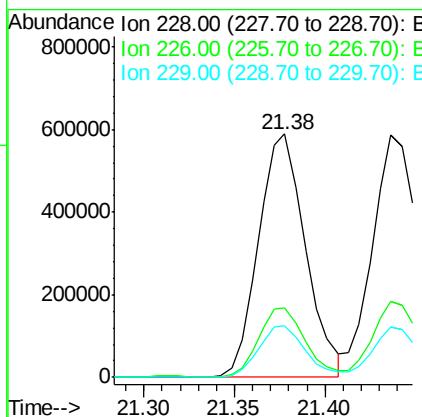
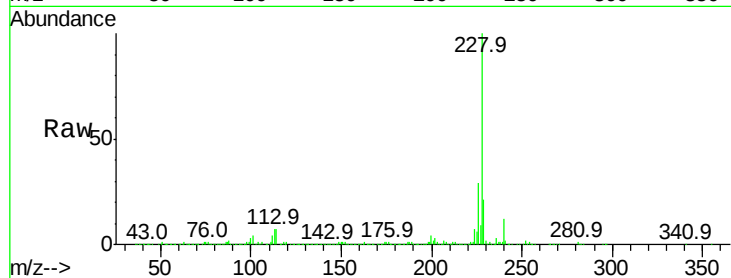




#80  
Benzo(a)anthracene  
Concen: 33.976 ng  
RT: 21.38 min Scan# 3079  
Delta R.T. -0.10 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

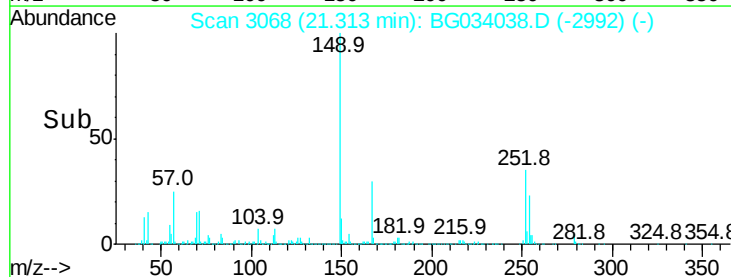
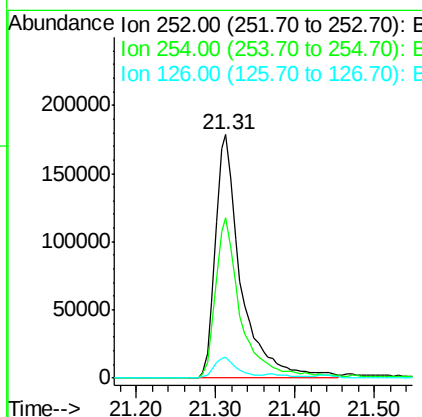
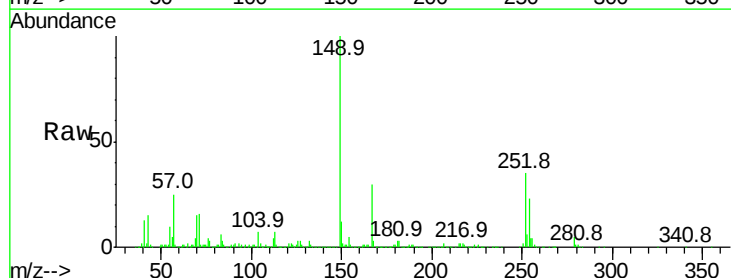
Instrument :  
BNA\_G  
ClientSampleId :

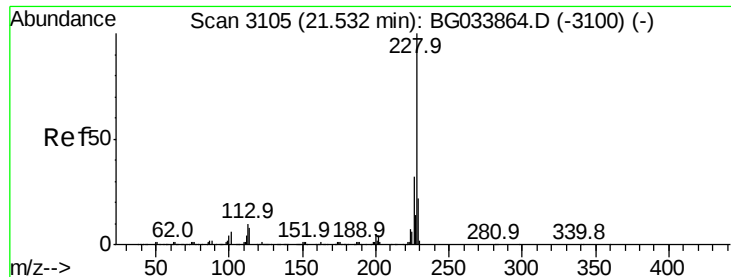
Tot Ion:228 Resp: 1059705  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.7 34.1  
229 21.3 16.2 24.2



#81  
3,3'-Dichlorobenzidine  
Concen: 34.315 ng  
RT: 21.31 min Scan# 3068  
Delta R.T. -0.08 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:252 Resp: 399065  
Ion Ratio Lower Upper  
252 100  
254 65.9 50.8 76.2  
126 8.4 7.4 11.2





#82

Chrysene

Concen: 37.400 ng

RT: 21.44 min Scan# 3089

Delta R.T. -0.10 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

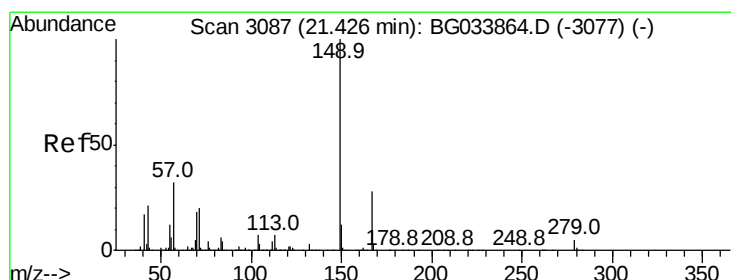
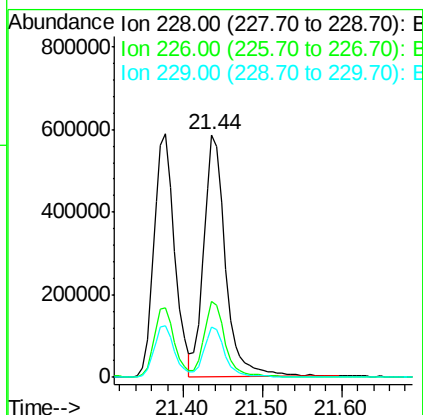
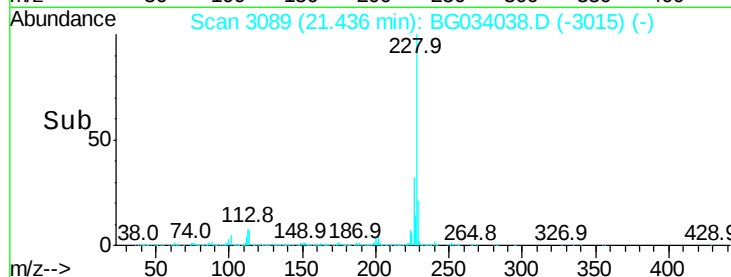
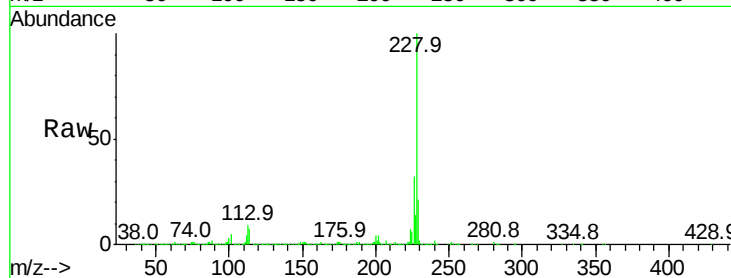
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:228 Resp: 1113897

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.5  | 24.9  | 37.3  |
| 229 | 20.7  | 15.0  | 22.4  |



#83

Bis(2-ethylhexyl)phthalate

Concen: 33.820 ng

RT: 21.31 min Scan# 3068

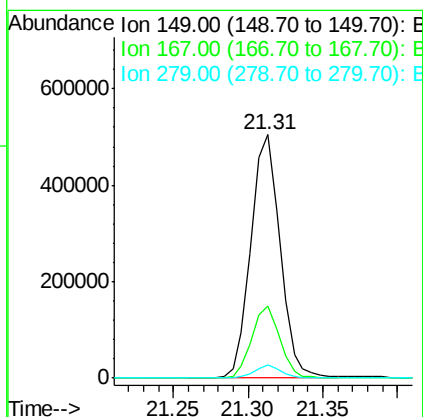
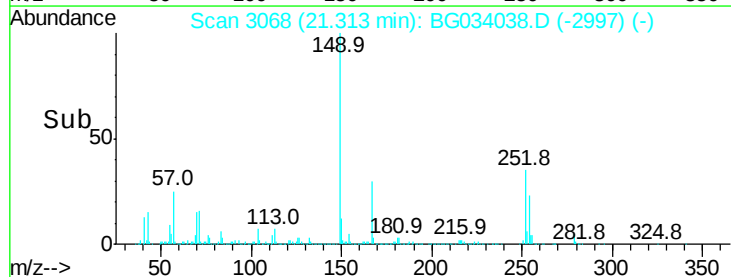
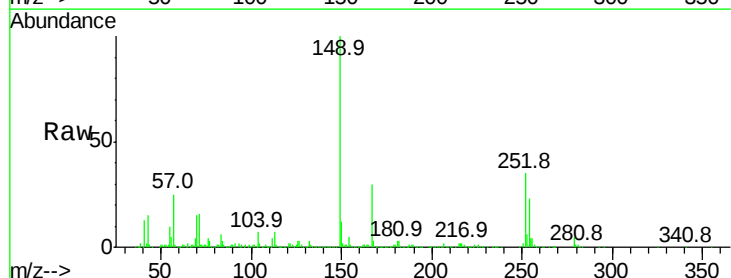
Delta R.T. -0.11 min

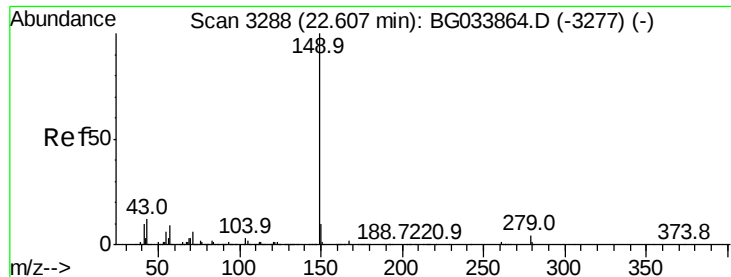
Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Tgt Ion:149 Resp: 680467

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.6  | 24.3  | 36.5  |
| 279 | 5.5   | 4.0   | 6.0   |





#84

Di-n-octyl phthalate

Concen: 34.150 ng

RT: 22.45 min Scan# 3262

Delta R.T. -0.15 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

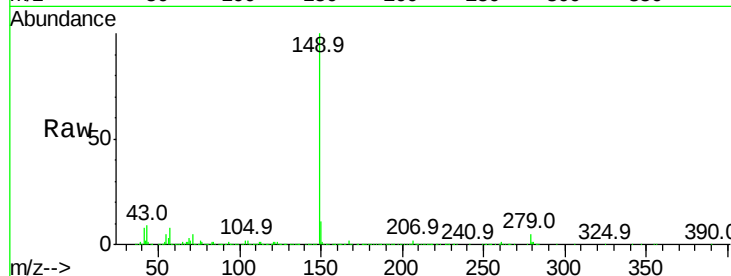
Tot Ion:149 Resp: 1090603

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

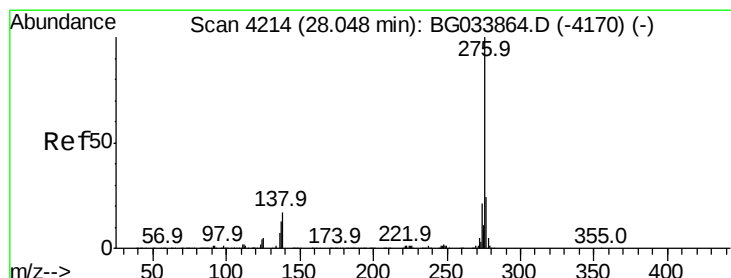
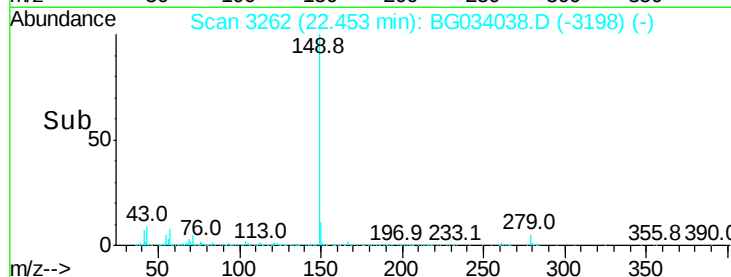
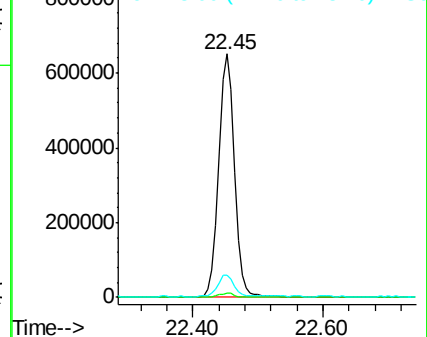
43 9.0 8.9 13.3



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 34.581 ng

RT: 27.79 min Scan# 4170

Delta R.T. -0.26 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

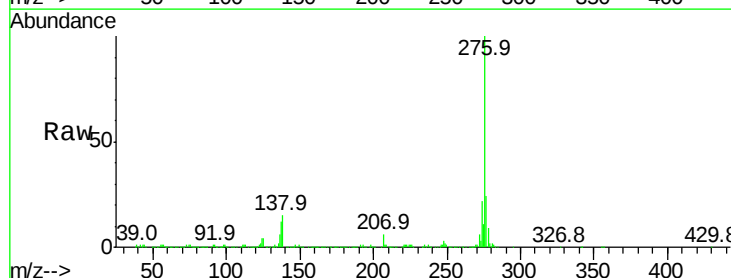
Tgt Ion:276 Resp: 1172397

Ion Ratio Lower Upper

276 100

138 12.7 16.0 24.0#

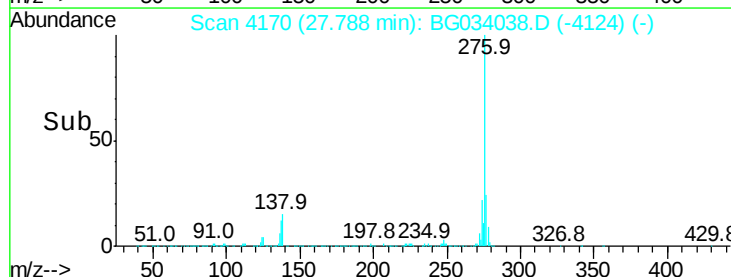
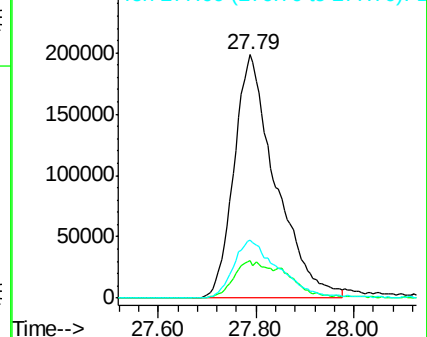
277 26.3 20.0 30.0

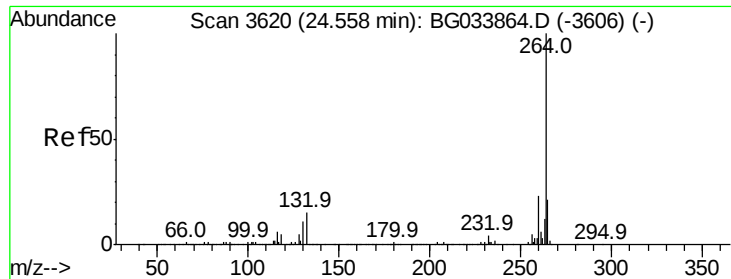


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 24.40 min Scan# 3593

Delta R.T. -0.16 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

Instrument :

BNA\_G

ClientSampleId :

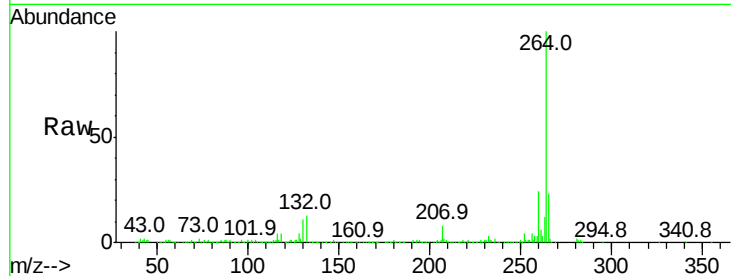
Tot Ion:264 Resp: 495843

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

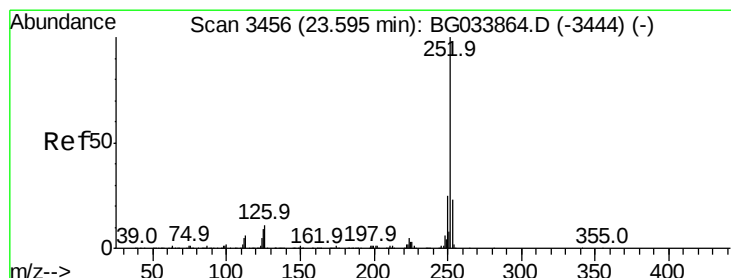
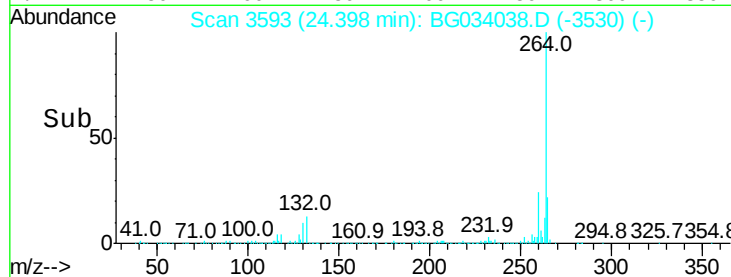
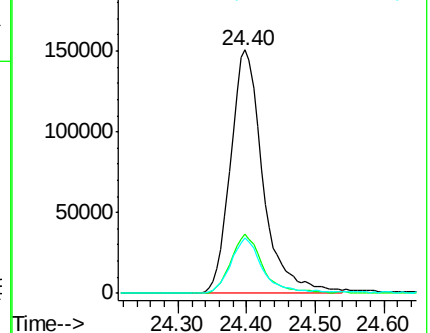
265 22.6 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 34.279 ng

RT: 23.45 min Scan# 3431

Delta R.T. -0.15 min

Lab File: BG034038.D

Acq: 27 Apr 2018 14:26

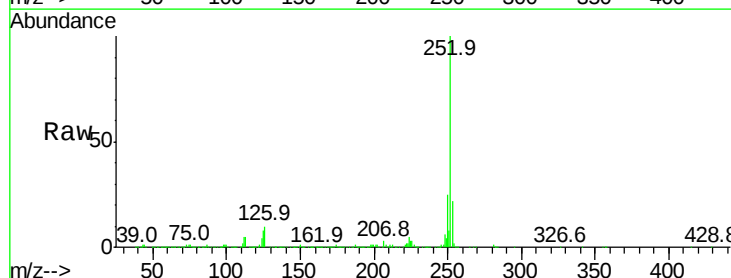
Tgt Ion:252 Resp: 1036917

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

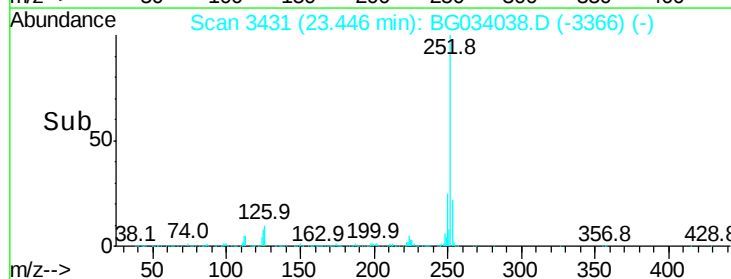
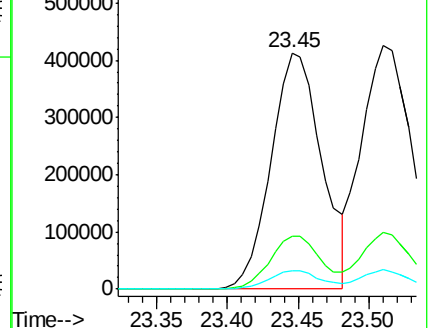
125 7.9 7.2 10.8

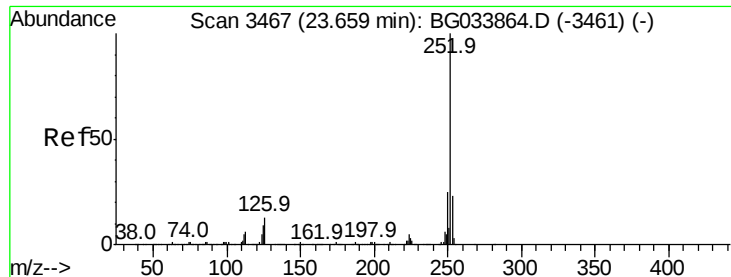


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

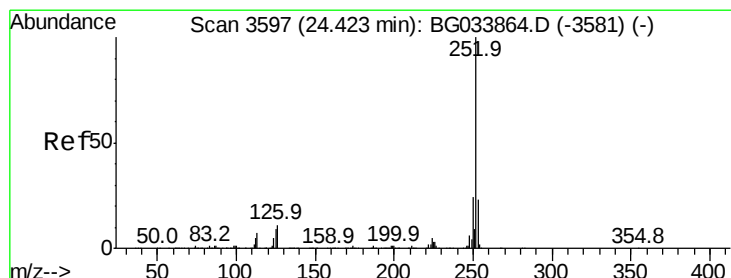
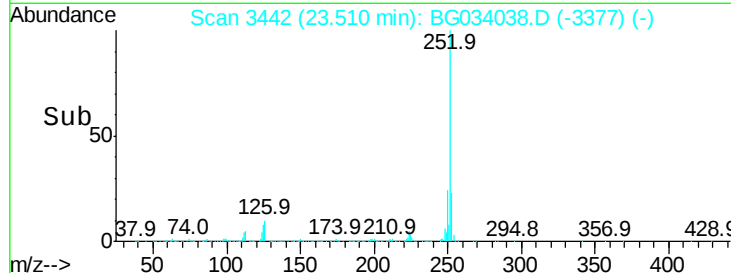
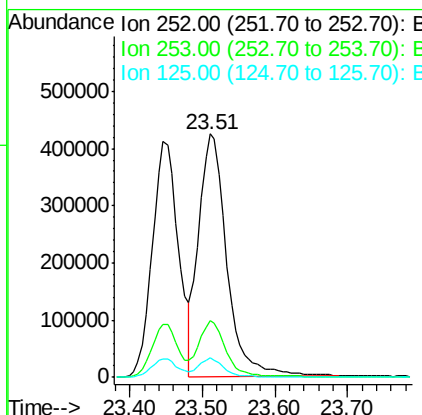
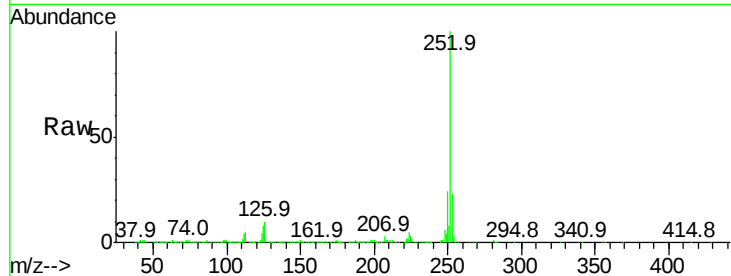




#88  
Benzo(k)fluoranthene  
Concen: 37.946 ng  
RT: 23.51 min Scan# 3442  
Delta R.T. -0.15 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

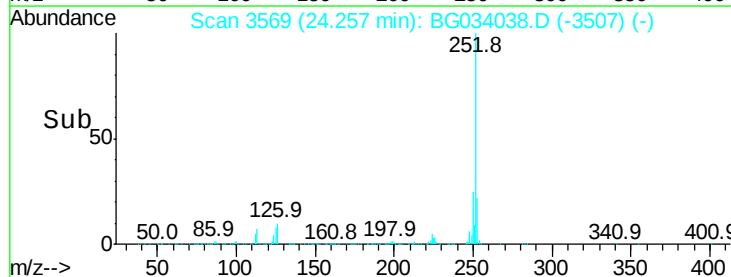
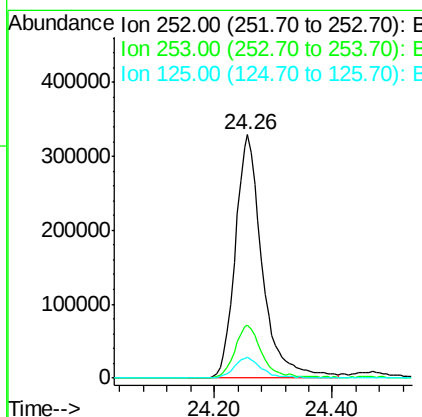
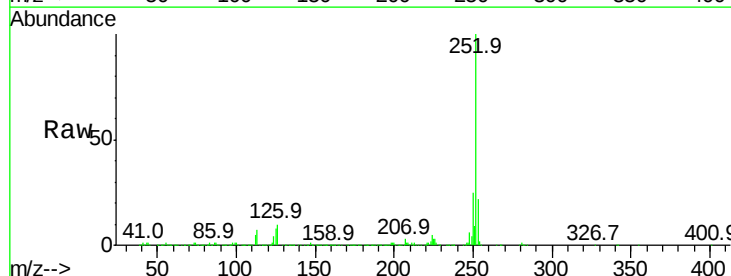
Instrument :  
BNA\_G  
ClientSampleId :

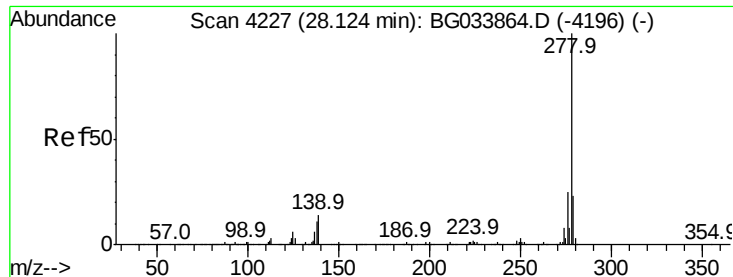
Tot Ion:252 Resp: 1140187  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.2  
125 8.2 6.6 9.8



#89  
Benzo(a)pyrene  
Concen: 35.968 ng  
RT: 24.26 min Scan# 3569  
Delta R.T. -0.17 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Tgt Ion:252 Resp: 1041981  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.3 27.5  
125 8.3 7.3 10.9

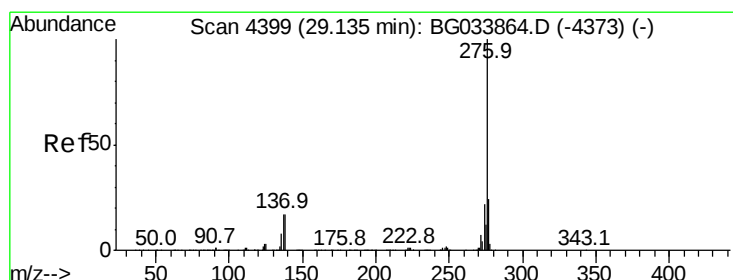
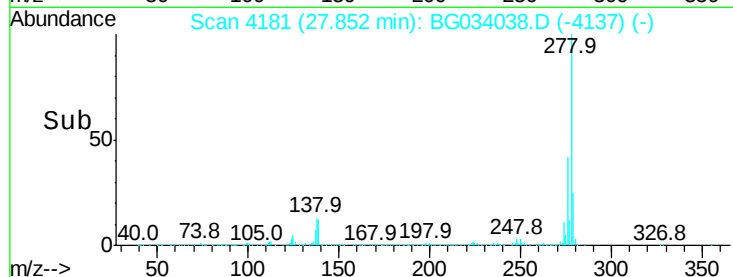
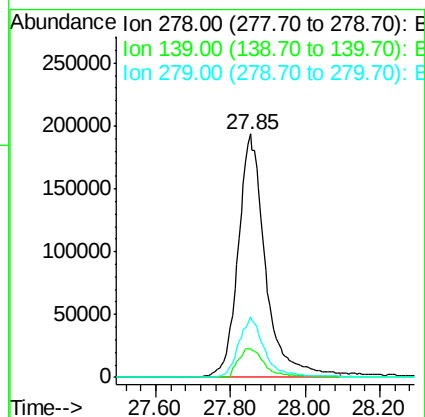
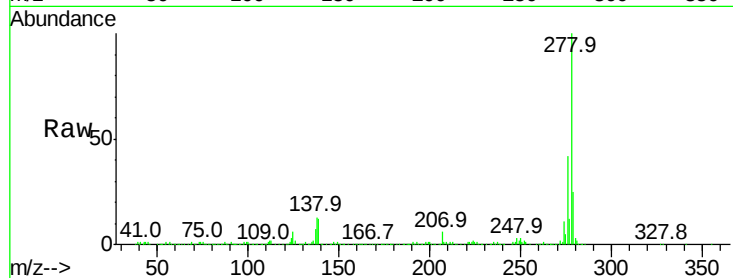




#90  
Dibenzo(a,h)anthracene  
Concen: 35.128 ng  
RT: 27.85 min Scan# 4181  
Delta R.T. -0.27 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.6  | 9.8   | 14.6  |
| 279     | 24.9  | 18.4  | 27.6  |



#91  
Benzo(g,h,i)perylene  
Concen: 35.793 ng  
RT: 28.84 min Scan# 4349  
Delta R.T. -0.30 min  
Lab File: BG034038.D  
Acq: 27 Apr 2018 14:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.6  | 18.3  | 27.5  |
| 138     | 17.1  | 13.9  | 20.9  |

