

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042320\  
 Data File : BG045155.D  
 Acq On : 23 Apr 2020 23:48  
 Operator : CG/JU  
 Sample : L2258-06MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 24 01:51:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 23 13:58:55 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 71607    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.82 | 136  | 287206   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.65 | 164  | 188661   | 20.00 | ng    | 0.01     |
| 64) Phenanthrene-d10      | 17.40 | 188  | 370213   | 20.00 | ng    | 0.01     |
| 76) Chrysene-d12          | 21.66 | 240  | 368479   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 24.84 | 264  | 422405   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.58  | 112 | 555436  | 128.06 | ng | 0.00 |
| 7) Phenol-d6             | 7.18  | 99  | 797036  | 123.68 | ng | 0.01 |
| 23) Nitrobenzene-d5      | 9.17  | 82  | 525358  | 83.46  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 347825  | 119.34 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 13.27 | 172 | 1131302 | 87.93  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.01 | 244 | 1615974 | 95.59  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88  | 81948  | 42.514 | ng | 97     |
| 3) Pyridine                    | 3.86  | 79  | 248494 | 41.870 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.77  | 42  | 101144 | 55.631 | ng | 89     |
| 6) Aniline                     | 7.33  | 93  | 181220 | 21.629 | ng | 96     |
| 8) 2-Chlorophenol              | 7.57  | 128 | 298564 | 64.049 | ng | 99     |
| 9) Benzaldehyde                | 7.14  | 77  | 141909 | 38.704 | ng | 99     |
| 10) Phenol                     | 7.20  | 94  | 401765 | 62.303 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.43  | 93  | 282766 | 55.075 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.90  | 146 | 326259 | 59.396 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.04  | 146 | 324592 | 59.304 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.37  | 146 | 312930 | 59.762 | ng | 94     |
| 15) Benzyl Alcohol             | 8.24  | 79  | 296403 | 54.860 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54  | 45  | 256904 | 50.974 | ng | 94     |
| 17) 2-Methylphenol             | 8.46  | 107 | 273176 | 54.905 | ng | 97     |
| 18) Hexachloroethane           | 9.10  | 117 | 130324 | 63.338 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.82  | 70  | 244321 | 53.610 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.78  | 107 | 371796 | 53.388 | ng | 96     |
| 22) Acetophenone               | 8.83  | 105 | 453990 | 58.453 | ng | 98     |
| 24) Nitrobenzene               | 9.21  | 77  | 375201 | 58.153 | ng | 98     |
| 25) Isophorone                 | 9.74  | 82  | 677331 | 52.547 | ng | # 95   |
| 26) 2-Nitrophenol              | 9.92  | 139 | 172569 | 62.094 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 10.00 | 122 | 271970 | 61.675 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93  | 373588 | 55.162 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.47 | 162 | 313488 | 61.566 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.68 | 180 | 350299 | 60.762 | ng | 97     |
| 31) Naphthalene                | 10.87 | 128 | 902625 | 57.450 | ng | 98     |
| 32) Benzoic acid               | 10.17 | 122 | 224157 | 60.942 | ng | 86     |
| 33) 4-Chloroaniline            | 10.98 | 127 | 116833 | 15.945 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.16 | 225 | 233179 | 58.993 | ng | 98     |
| 35) Caprolactam                | 11.76 | 113 | 65185  | 32.166 | ng | # 65   |
| 36) 4-Chloro-3-methylphenol    | 12.11 | 107 | 338106 | 56.524 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.48 | 142 | 678530 | 55.640 | ng | 95     |
| 38) 1-Methylnaphthalene        | 12.48 | 142 | 678530 | 58.938 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 386941 | 63.700 | ng | 98     |

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 ALS Vial : 18 Sample Multiplier: 1

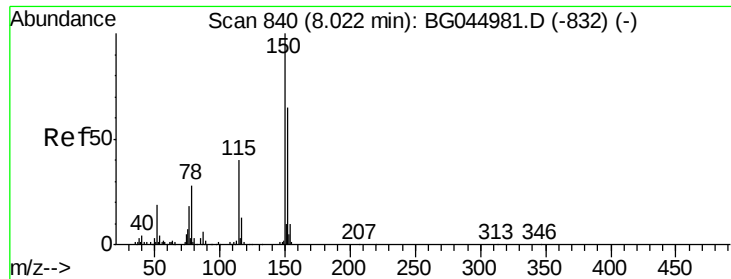
Instrument :  
 BNA\_G  
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Quant Time: Apr 24 01:51:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M  
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 QLast Update : Thu Apr 23 13:58:55 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.83 | 237  | 230117   | 60.612  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.09 | 196  | 263737   | 61.519  | nq    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.17 | 196  | 281313   | 57.648  | nq #  | 93       |
| 46) 1,1'-Biphenyl              | 13.48 | 154  | 810349   | 56.512  | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.53 | 162  | 647828   | 59.125  | nq    | 99       |
| 48) 2-Nitroaniline             | 13.73 | 65   | 203719   | 56.510  | nq    | 98       |
| 49) Acenaphthylene             | 14.38 | 152  | 1005118  | 56.318  | nq    | 96       |
| 50) Dimethylphthalate          | 14.11 | 163  | 1010541  | 65.783  | nq    | 97       |
| 51) 2,6-Dinitrotoluene         | 14.22 | 165  | 188738   | 54.930  | nq    | 98       |
| 52) Acenaphthene               | 14.72 | 154  | 635705   | 52.645  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.55 | 138  | 117474   | 31.173  | nq #  | 91       |
| 54) 2,4-Dinitrophenol          | 14.76 | 184  | 132403   | 64.804  | nq    | 91       |
| 55) Dibenzofuran               | 15.05 | 168  | 981996   | 55.780  | nq #  | 92       |
| 56) 4-Nitrophenol              | 14.87 | 139  | 321450   | 110.014 | nq    | 89       |
| 57) 2,4-Dinitrotoluene         | 15.01 | 165  | 259202   | 51.621  | nq #  | 96       |
| 58) Fluorene                   | 15.70 | 166  | 839505   | 58.380  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.28 | 232  | 253812   | 58.455  | nq #  | 91       |
| 60) Diethylphthalate           | 15.47 | 149  | 783084   | 48.894  | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204  | 439638   | 53.116  | nq    | 99       |
| 62) 4-Nitroaniline             | 15.71 | 138  | 136763   | 34.990  | nq    | 91       |
| 63) Azobenzene                 | 15.99 | 77   | 781785   | 52.944  | nq    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198  | 100928   | 41.476  | nq #  | 70       |
| 66) n-Nitrosodiphenylamine     | 15.90 | 169  | 830084   | 78.038  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.59 | 248  | 288724   | 60.453  | nq    | 92       |
| 68) Hexachlorobenzene          | 16.72 | 284  | 308498   | 62.281  | nq    | 98       |
| 69) Atrazine                   | 16.86 | 200  | 269268   | 72.304  | nq    | 97       |
| 70) Pentachlorophenol          | 17.06 | 266  | 377950   | 124.380 | nq    | 98       |
| 71) Phenanthrene               | 17.44 | 178  | 1284408  | 67.514  | nq    | 96       |
| 72) Anthracene                 | 17.54 | 178  | 1192573  | 62.493  | nq    | 99       |
| 73) Carbazole                  | 17.80 | 167  | 1051003  | 54.271  | nq    | 98       |
| 74) Di-n-butylphthalate        | 18.36 | 149  | 1216403  | 59.683  | nq #  | 97       |
| 75) Fluoranthene               | 19.45 | 202  | 1340276  | 62.312  | nq    | 97       |
| 77) Benzidine                  | 19.62 | 184  | 682743   | 66.865  | nq    | 99       |
| 78) Pyrene                     | 19.81 | 202  | 1389273  | 54.689  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.69 | 149  | 558532   | 53.043  | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.64 | 228  | 1407894  | 58.951  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.56 | 252  | 231668   | 24.371  | nq #  | 98       |
| 83) Chrysene                   | 21.71 | 228  | 1337409  | 58.283  | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149  | 815861   | 56.335  | nq    | 98       |
| 85) Di-n-octyl phthalate       | 22.75 | 149  | 1421528  | 56.762  | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.47 | 276  | 1801159  | 59.120  | nq #  | 96       |
| 88) Benzo(b)fluoranthene       | 23.84 | 252  | 1538237  | 58.136  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 23.91 | 252  | 1521821  | 60.479  | nq    | 99       |
| 90) Benzo(a)pyrene             | 24.70 | 252  | 1441911  | 57.719  | nq #  | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.53 | 278  | 1465043  | 58.200  | nq    | 95       |
| 92) Benzo(g,h,i)perylene       | 29.60 | 276  | 1346492  | 53.354  | nq    | 97       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

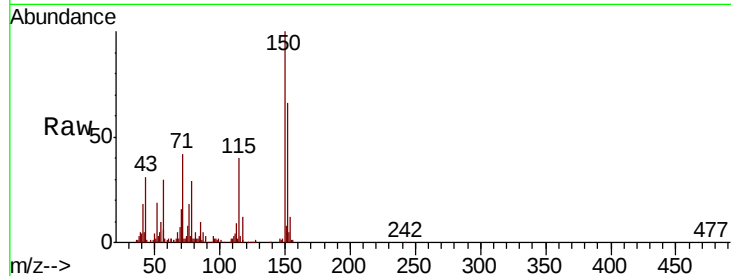
Tot Ion:152 Resp: 71607

Ion Ratio Lower Upper

152 100

150 151.0 123.6 185.4

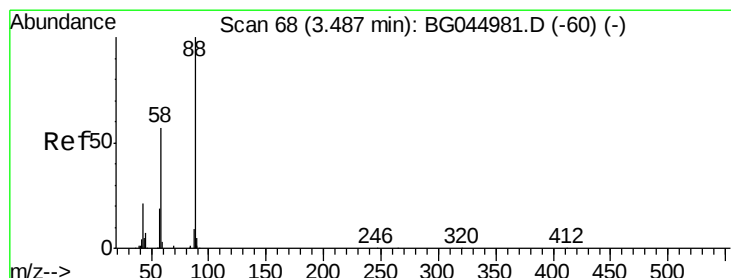
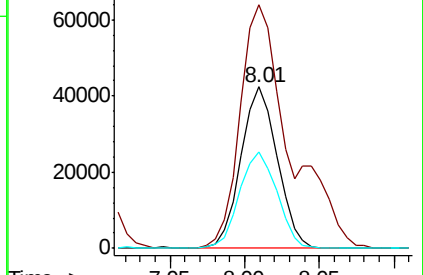
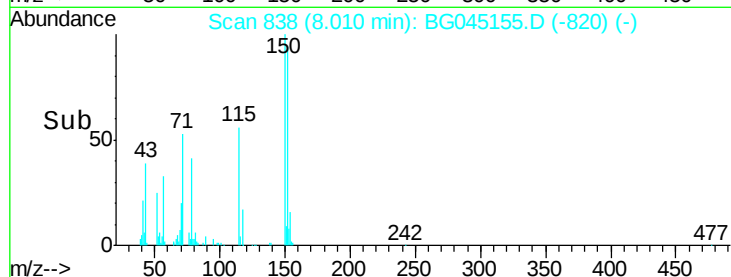
115 60.0 49.1 73.7



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



#2

1,4-Dioxane

Concen: 42.514 ng

RT: 3.47 min Scan# 65

Delta R.T. -0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

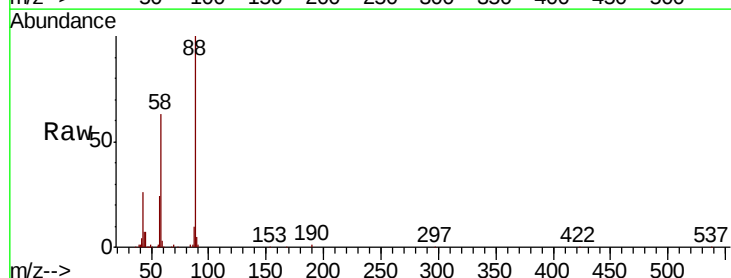
Tgt Ion: 88 Resp: 81948

Ion Ratio Lower Upper

88 100

58 60.1 46.6 69.8

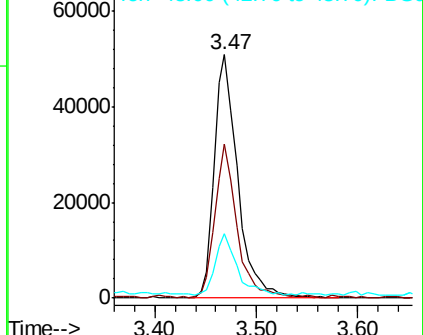
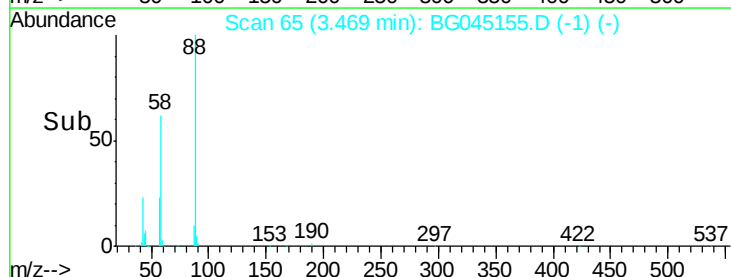
43 23.4 17.5 26.3

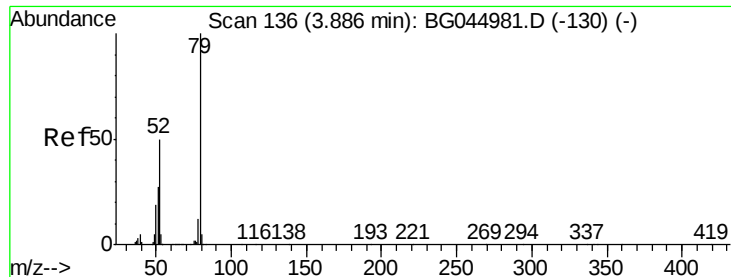


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 41.870 ng

RT: 3.86 min Scan# 132

Delta R.T. -0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

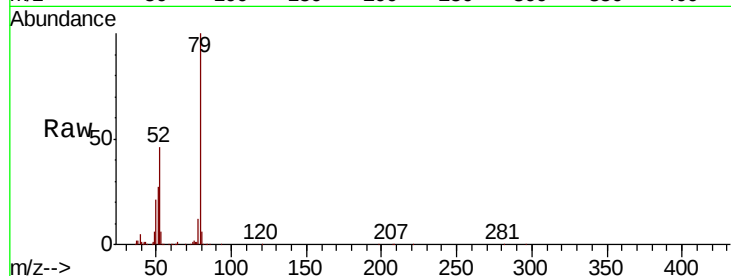
Tot Ion: 79 Resp: 248494

Ion Ratio Lower Upper

79 100

52 46.2 39.8 59.6

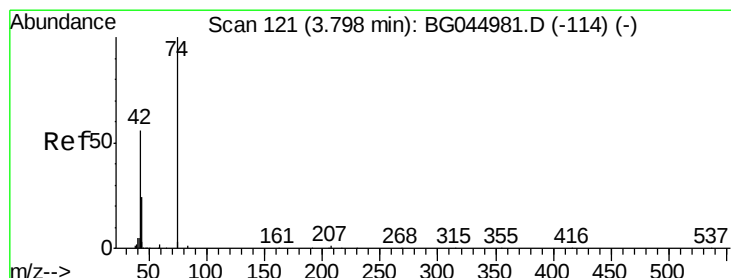
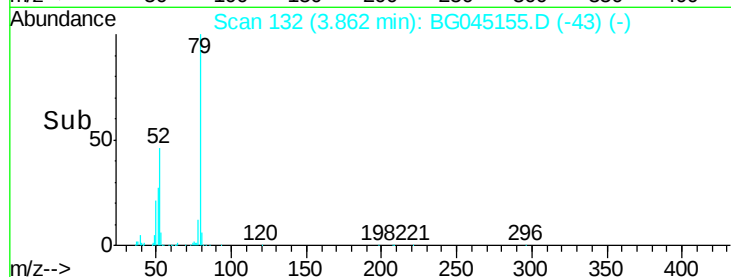
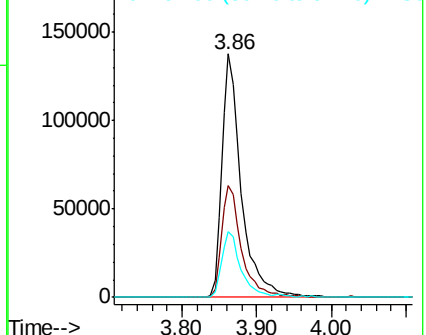
51 26.9 21.4 32.2



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 55.631 ng

RT: 3.77 min Scan# 117

Delta R.T. -0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

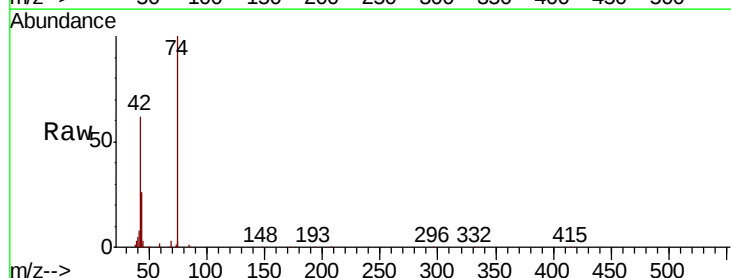
Tgt Ion: 42 Resp: 101144

Ion Ratio Lower Upper

42 100

74 162.5 143.0 214.6

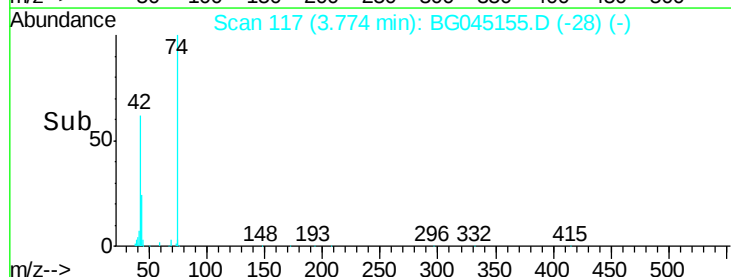
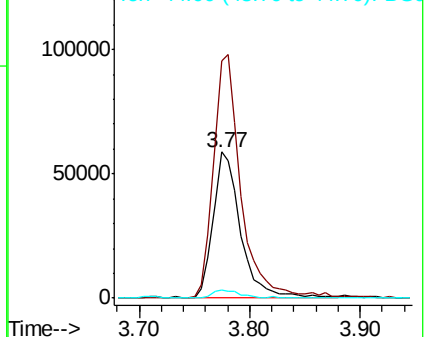
44 5.5 4.6 6.8



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 128.059 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

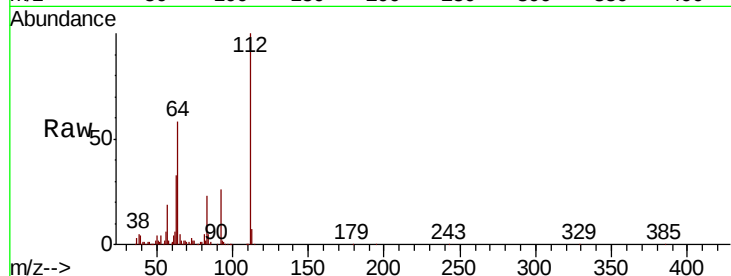
Tot Ion:112 Resp: 555436

Ion Ratio Lower Upper

112 100

64 57.8 42.4 63.6

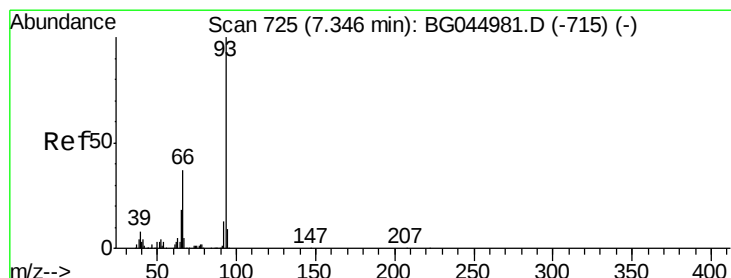
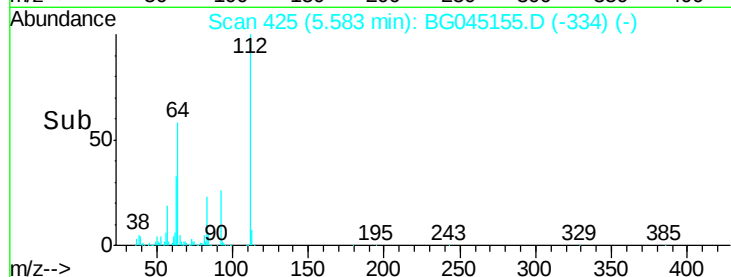
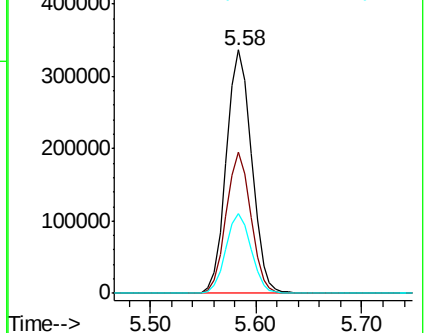
63 32.9 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 21.629 ng

RT: 7.33 min Scan# 723

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

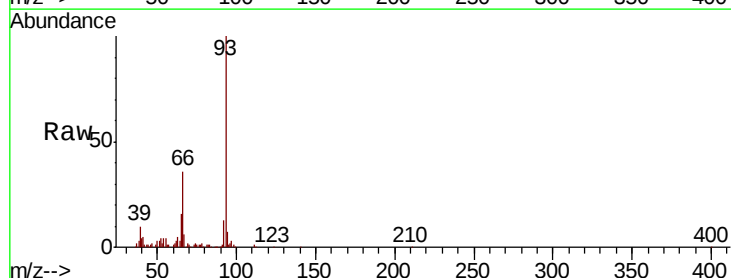
Tgt Ion: 93 Resp: 181220

Ion Ratio Lower Upper

93 100

66 35.7 29.8 44.8

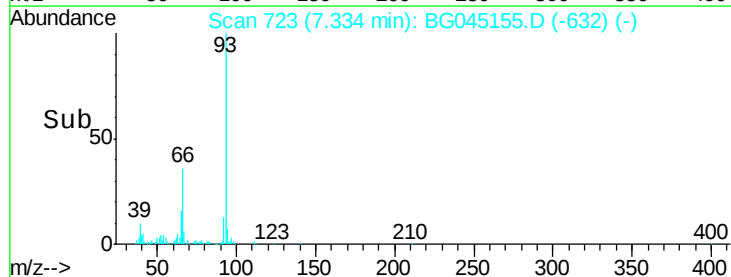
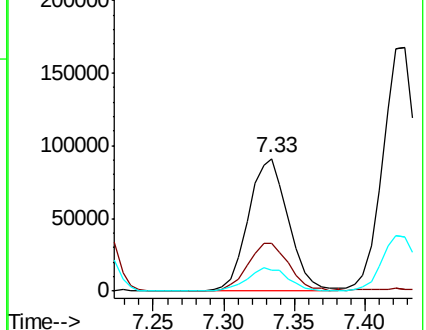
65 15.6 14.6 22.0

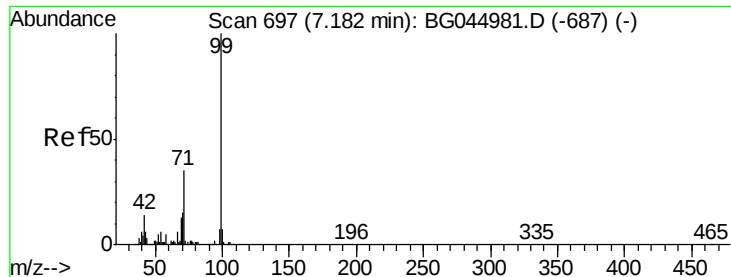


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 123.683 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

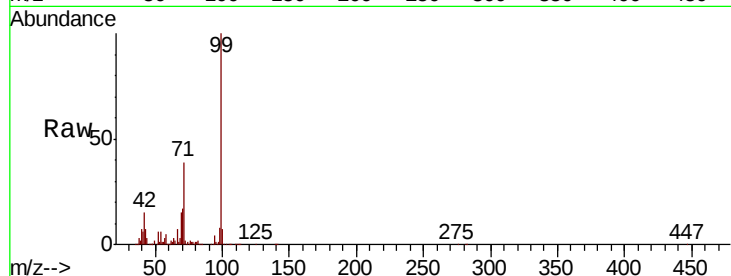
Tot Ion: 99 Resp: 797036

Ion Ratio Lower Upper

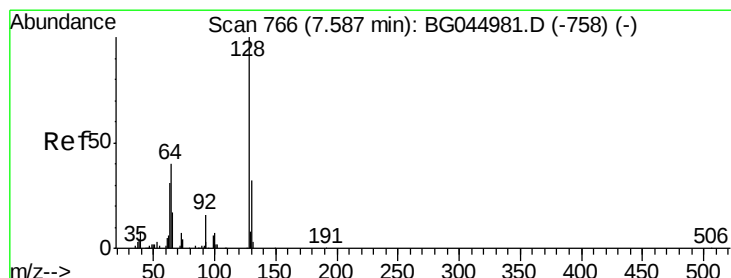
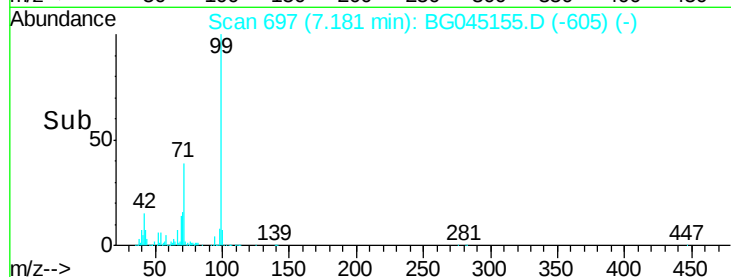
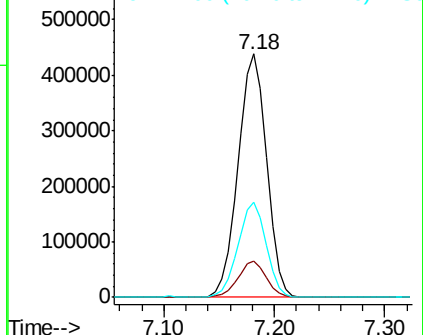
99 100

42 14.8 11.3 16.9

71 39.0 28.3 42.5



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



#8

2-Chlorophenol

Concen: 64.049 ng

RT: 7.57 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

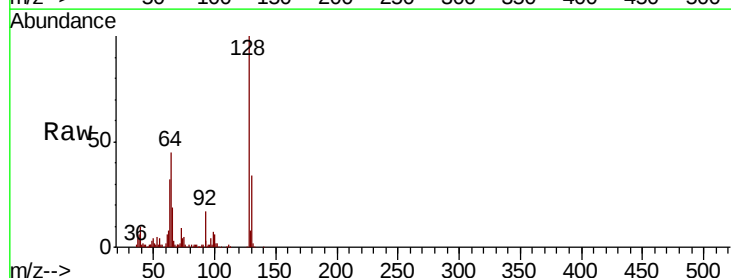
Tgt Ion: 128 Resp: 298564

Ion Ratio Lower Upper

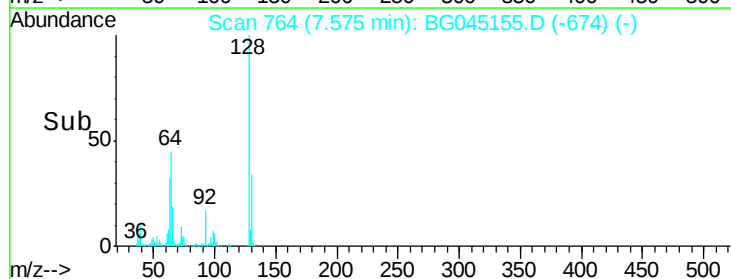
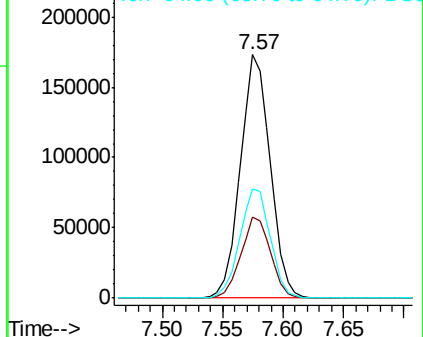
128 100

130 33.5 12.3 52.3

64 44.6 24.4 64.4



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





#9

Benzaldehyde

Concen: 38.704 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

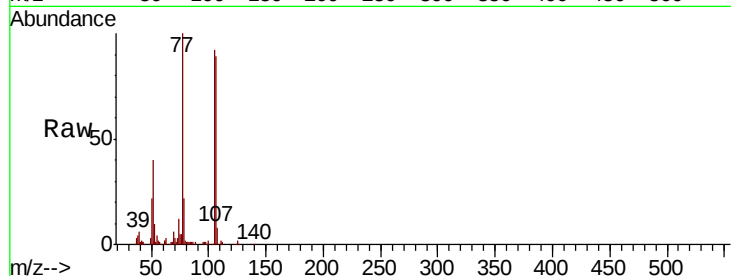
Tot Ion: 77 Resp: 141909

Ion Ratio Lower Upper

77 100

105 91.6 72.9 112.9

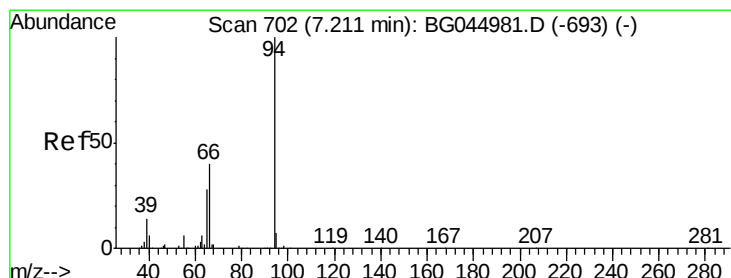
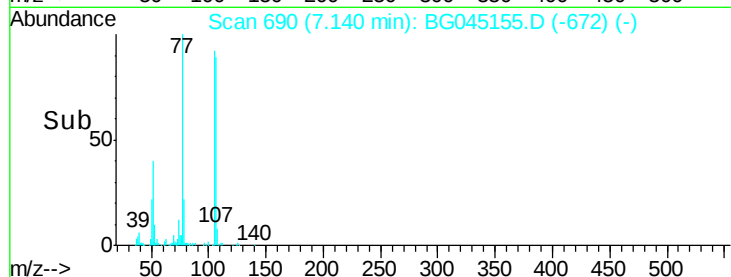
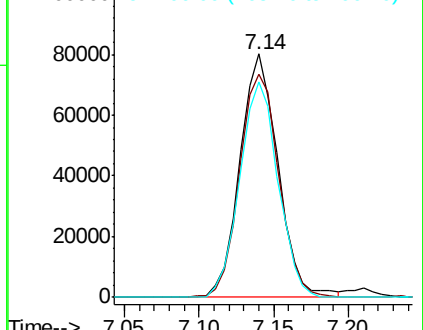
106 88.7 67.6 107.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 62.303 ng

RT: 7.20 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

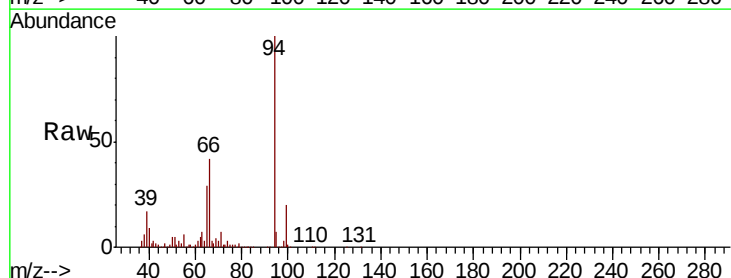
Tgt Ion: 94 Resp: 401765

Ion Ratio Lower Upper

94 100

65 28.7 8.2 48.2

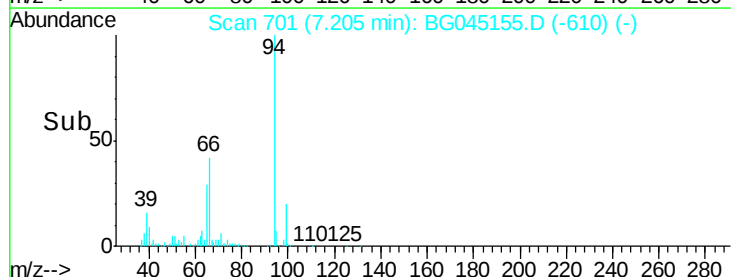
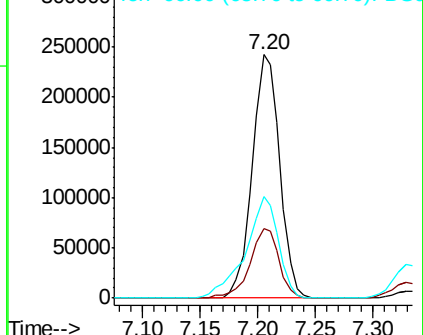
66 41.6 20.4 60.4

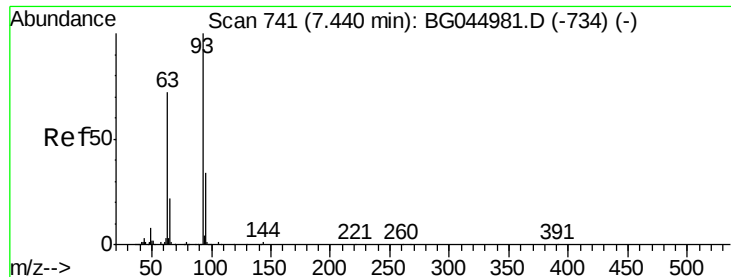


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

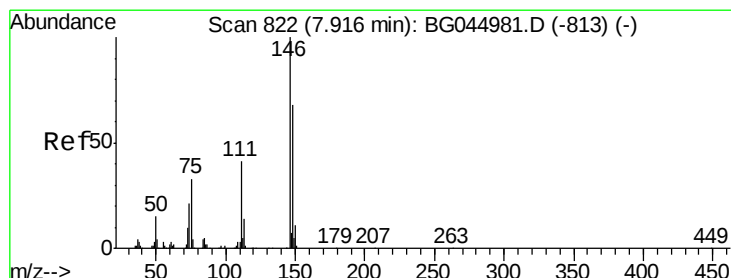
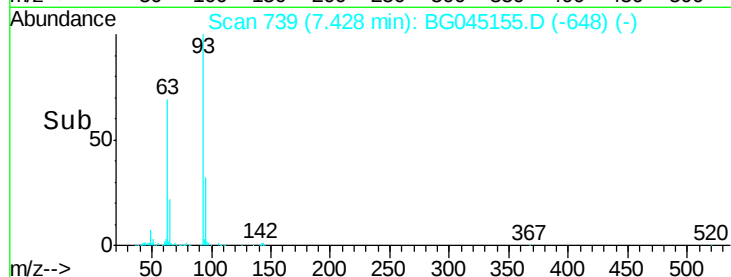
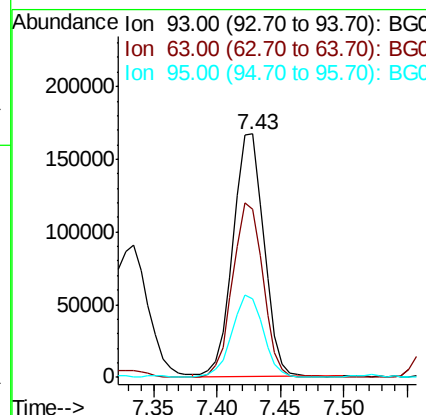
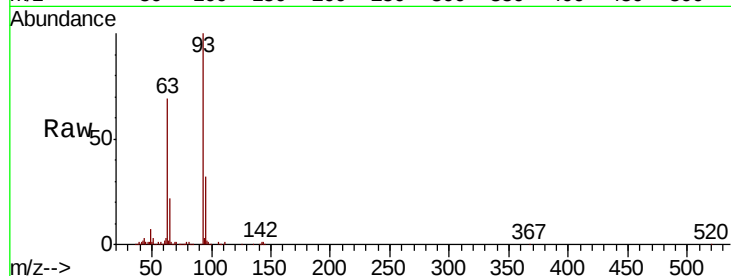




#11  
 bis(2-Chloroethyl)ether  
 Concen: 55.075 ng  
 RT: 7.43 min Scan# 739  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

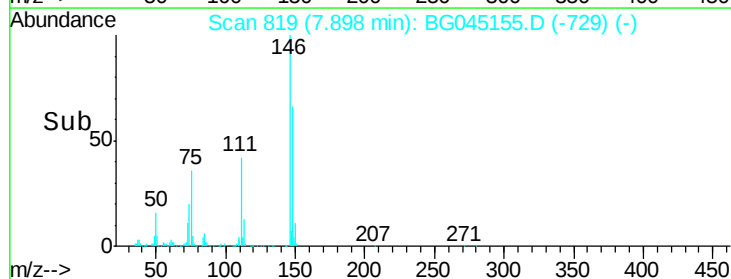
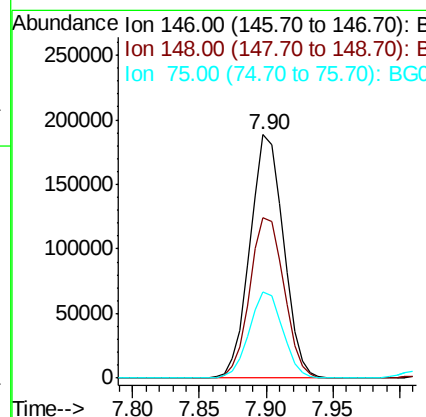
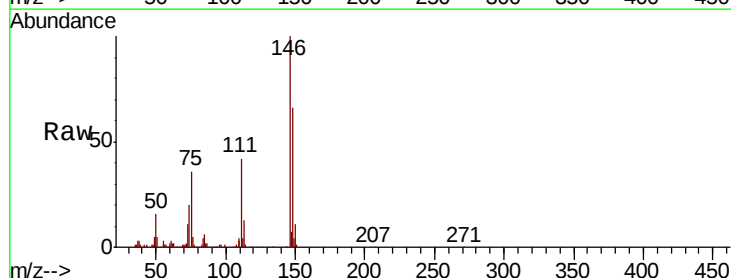
Instrument :  
 BNA\_G  
 ClientSampleId :

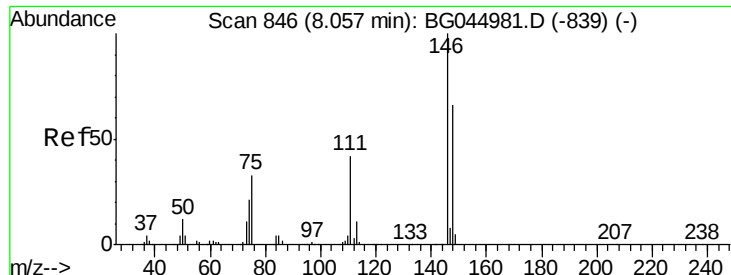
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 69.1  | 51.8  | 91.8  |
| 95      | 32.1  | 13.8  | 53.8  |



#12  
 1,3-Dichlorobenzene  
 Concen: 59.396 ng  
 RT: 7.90 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.0  | 54.6  | 81.8  |
| 75      | 35.6  | 26.0  | 39.0  |





#13

1,4-Dichlorobenzene

Concen: 59.304 ng

RT: 8.04 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

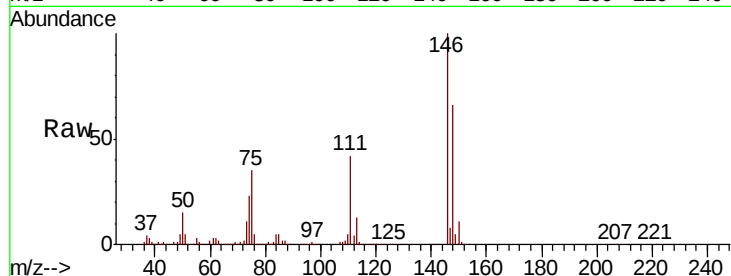
Tot Ion:146 Resp: 324592

Ion Ratio Lower Upper

146 100

148 66.2 53.3 79.9

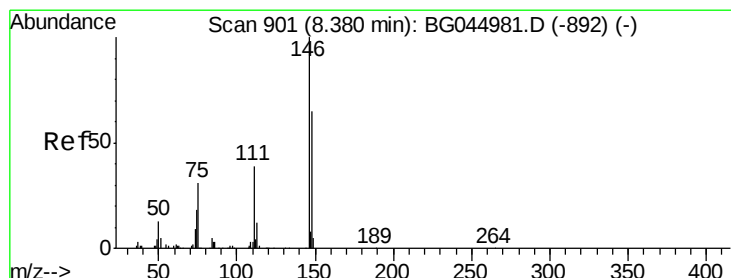
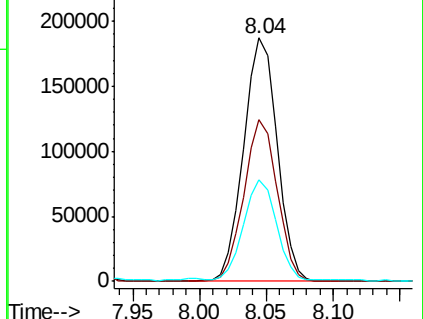
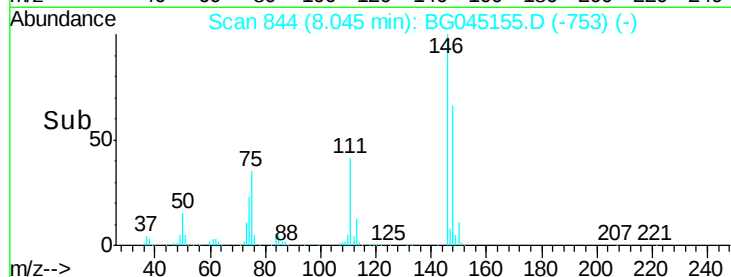
111 41.5 33.8 50.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 59.762 ng

RT: 8.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

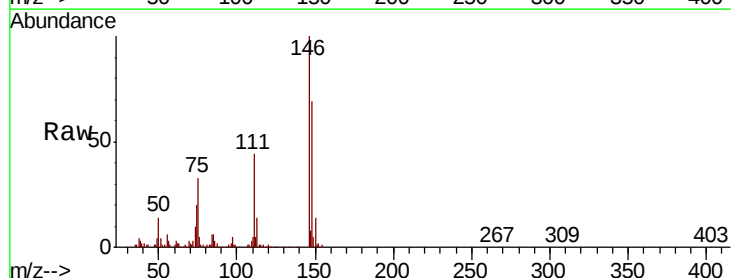
Tgt Ion:146 Resp: 312930

Ion Ratio Lower Upper

146 100

148 68.5 51.9 77.9

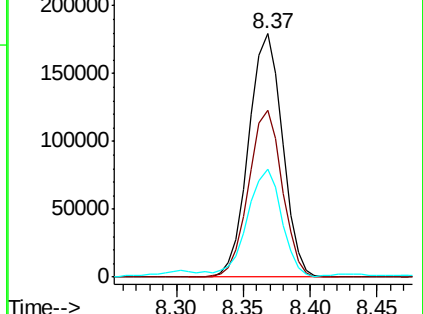
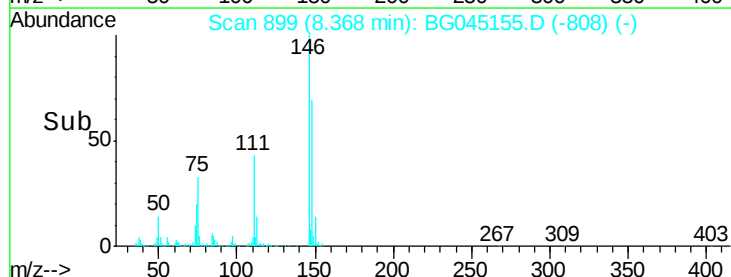
111 44.2 31.3 46.9

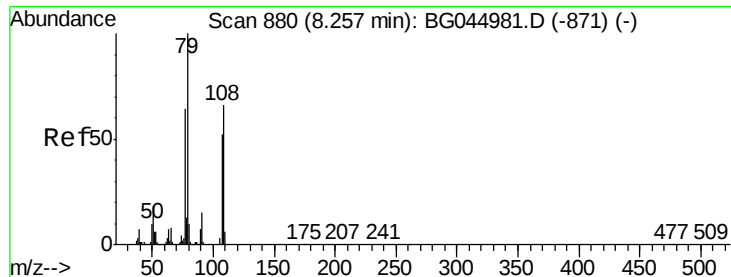


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 54.860 ng

RT: 8.24 min Scan# 878

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

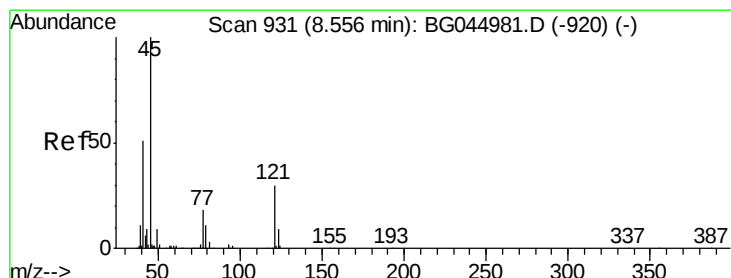
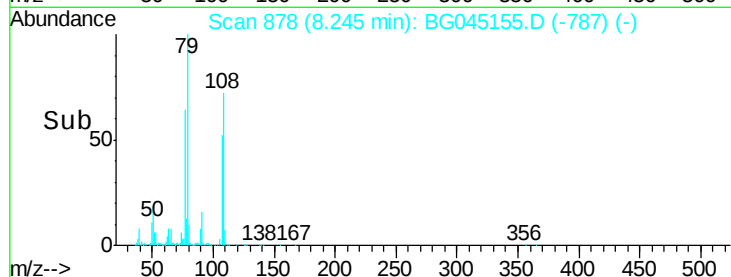
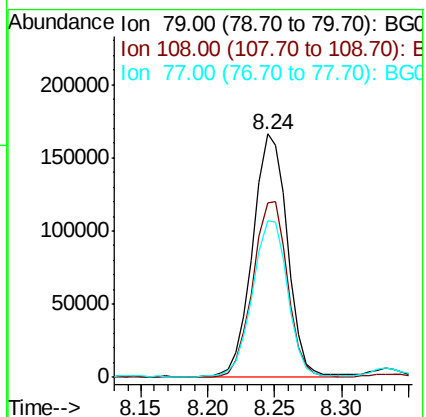
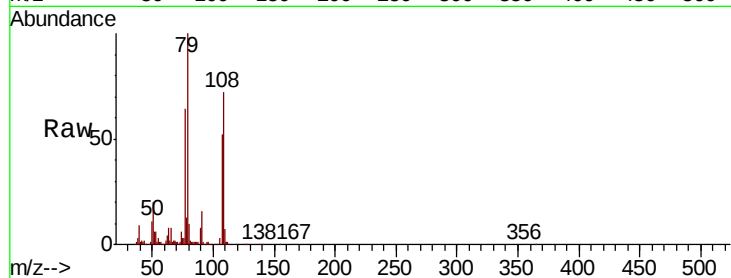
Tot Ion: 79 Resp: 296403

Ion Ratio Lower Upper

79 100

108 71.7 52.7 79.1

77 64.1 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 50.974 ng

RT: 8.54 min Scan# 928

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

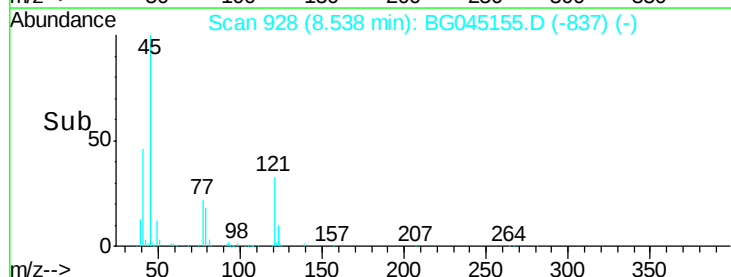
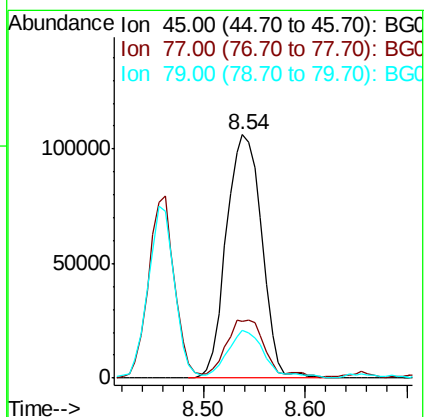
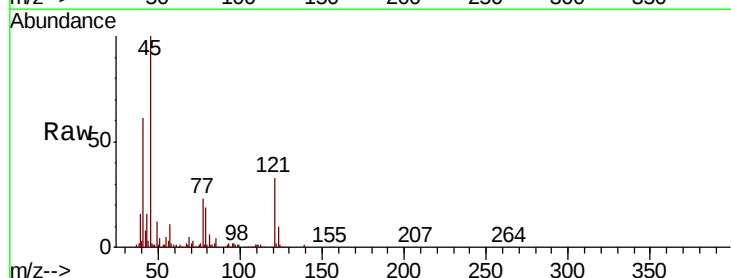
Tgt Ion: 45 Resp: 256904

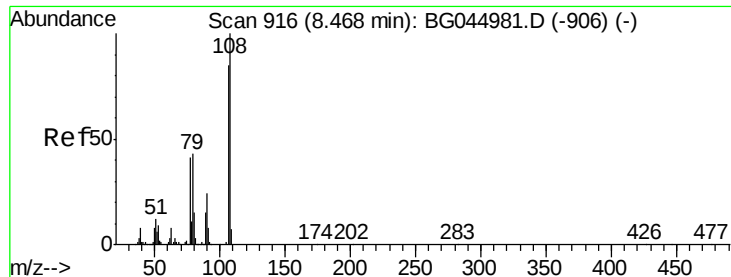
Ion Ratio Lower Upper

45 100

77 23.4 1.9 41.9

79 19.4 0.0 35.5





#17

2-Methylphenol

Concen: 54.905 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 273176

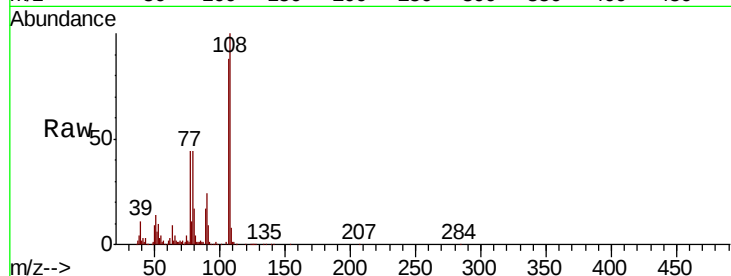
Ion Ratio Lower Upper

107 100

108 113.6 93.8 140.6

77 50.5 38.5 57.7

79 49.6 40.1 60.1

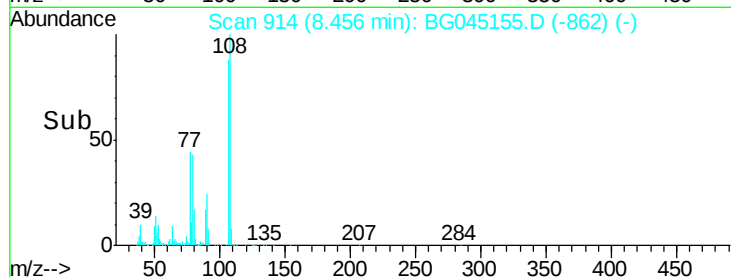


Abundance Ion 107.00 (106.70 to 107.70): E

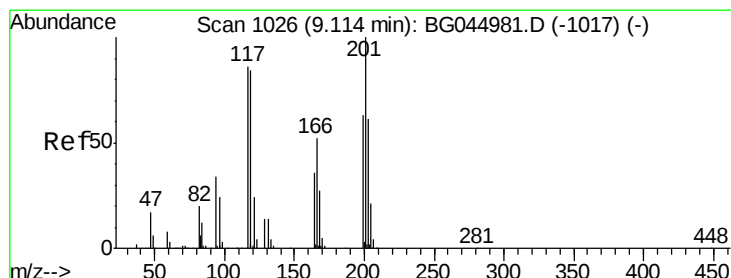
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time--> 8.35 8.40 8.45 8.50 8.55



#18

Hexachloroethane

Concen: 63.338 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

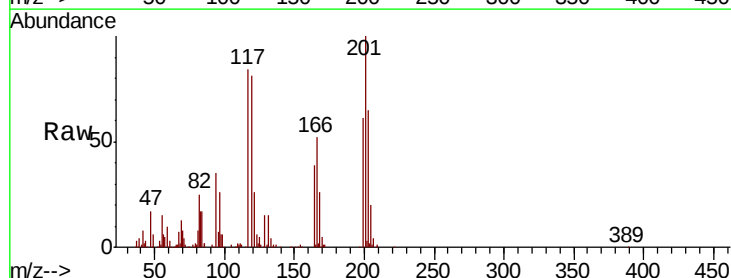
Tgt Ion:117 Resp: 130324

Ion Ratio Lower Upper

117 100

119 96.2 78.3 117.5

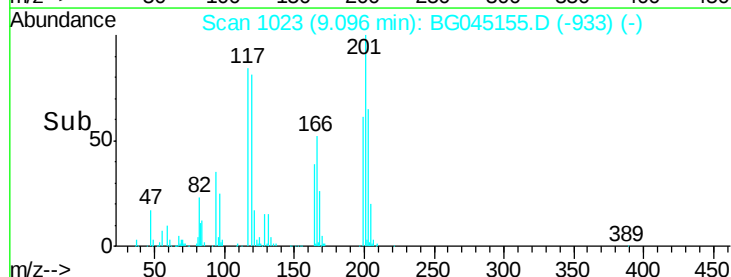
201 119.3 92.9 139.3



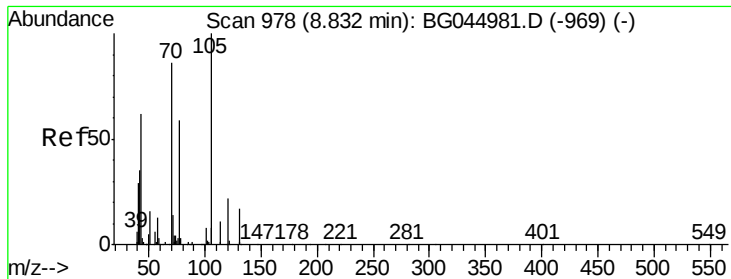
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



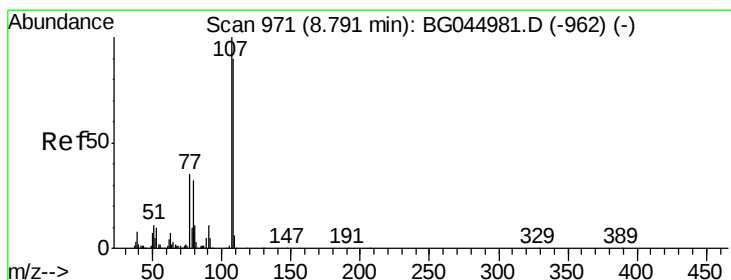
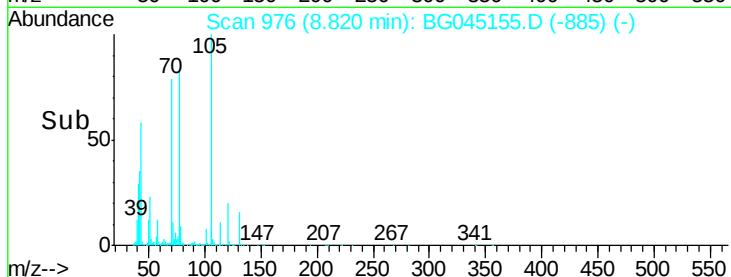
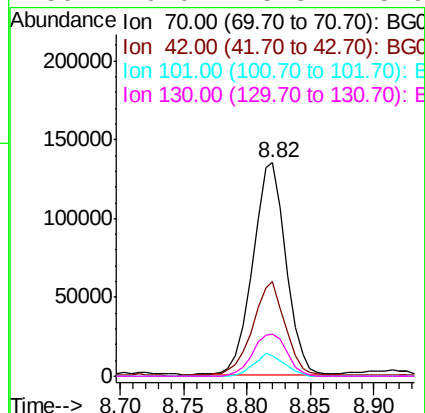
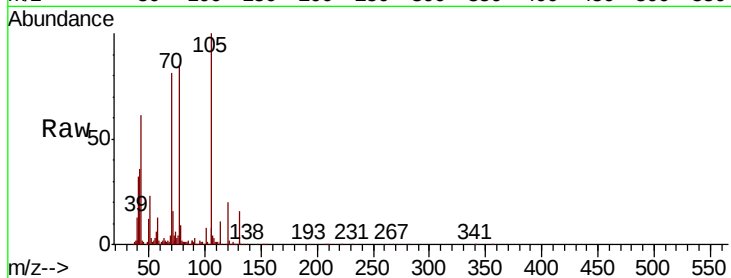
Time--> 9.00 9.05 9.10 9.15 9.20



#19  
n-Nitroso-di-n-propylamine  
Concen: 53.610 ng  
RT: 8.82 min Scan# 976  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

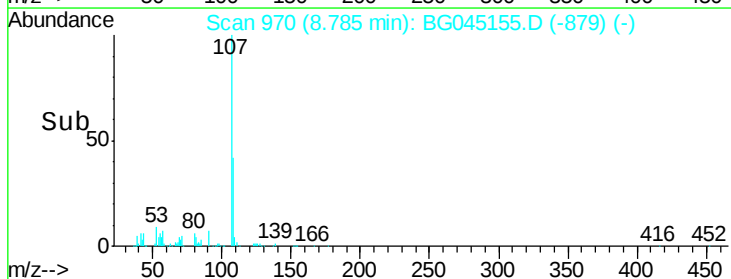
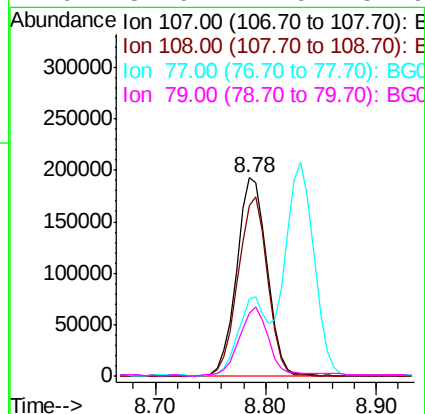
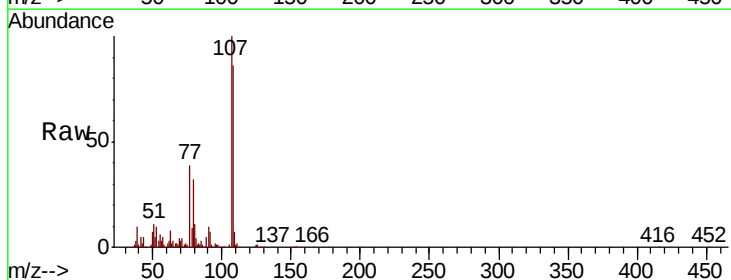
Instrument :  
BNA\_G  
ClientSampleId :

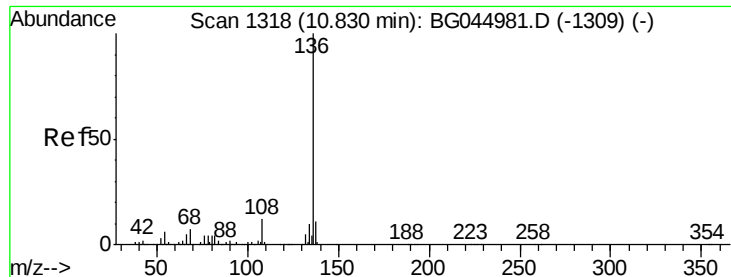
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 244321 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 44.6  | 33.3  | 49.9   |
| 101      | 9.8   | 7.8   | 11.8   |
| 130      | 20.0  | 15.8  | 23.6   |



#20  
3+4-Methylphenols  
Concen: 53.388 ng  
RT: 8.78 min Scan# 970  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 371796 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 85.8  | 69.9  | 109.9  |
| 77       | 38.6  | 15.2  | 55.2   |
| 79       | 31.9  | 11.6  | 51.6   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 287206

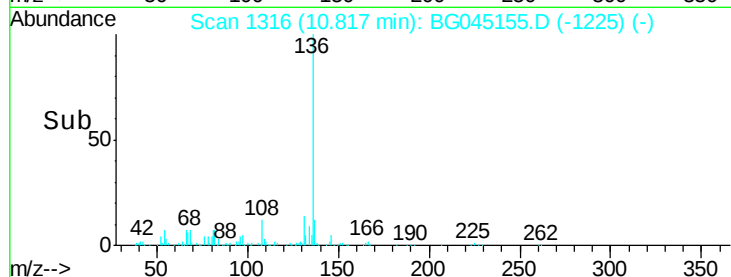
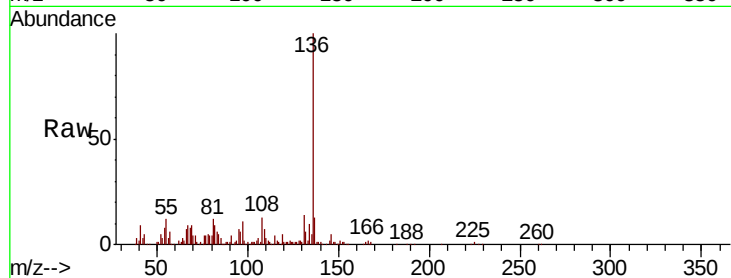
Ion Ratio Lower Upper

136 100

137 12.8 8.6 13.0

54 7.7 4.8 7.2#

68 7.8 5.2 7.8#

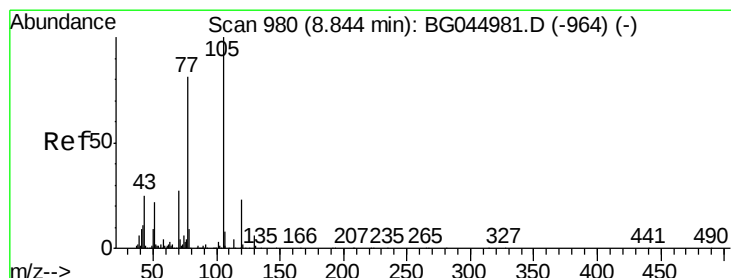
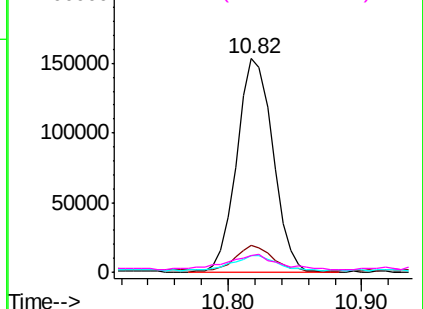


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 58.453 ng

RT: 8.83 min Scan# 978

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Tgt Ion:105 Resp: 453990

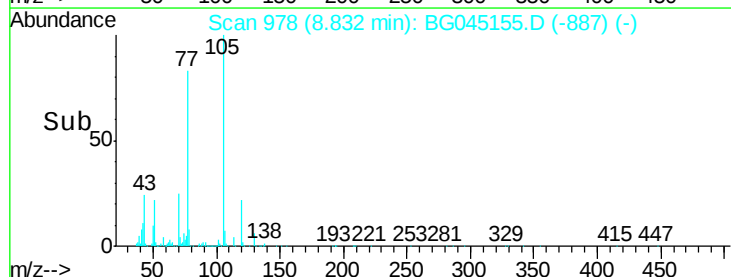
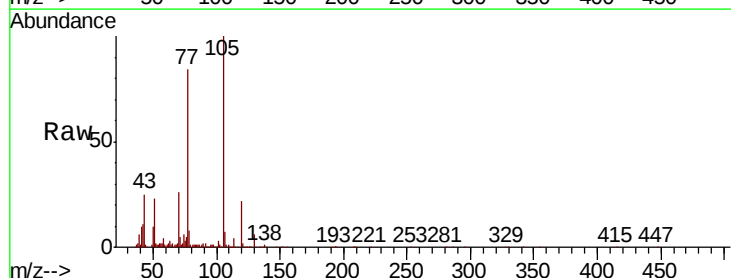
Ion Ratio Lower Upper

105 100

71 4.7 3.3 4.9

51 22.6 17.3 25.9

120 22.0 18.4 27.6

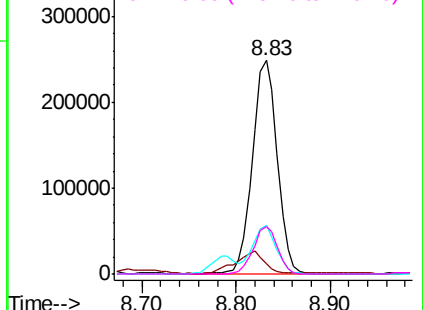


Abundance Ion 105.00 (104.70 to 105.70): E

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

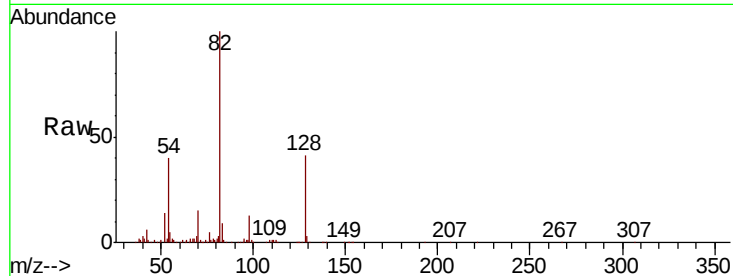




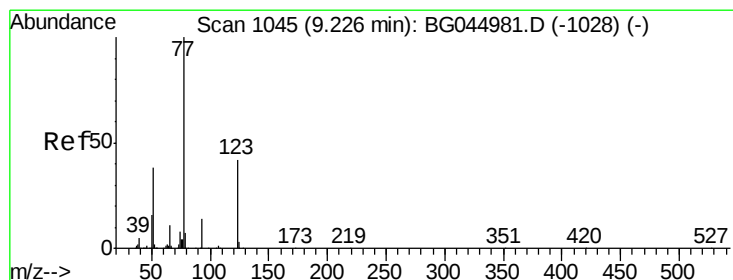
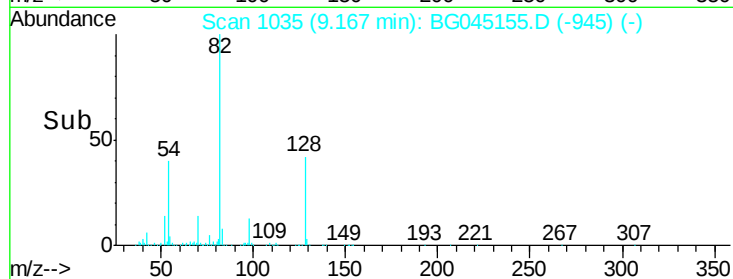
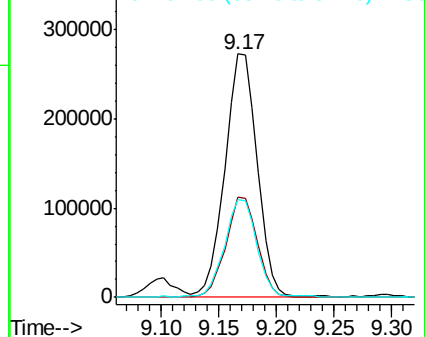
#23  
Nitrobenzene-d5  
Concen: 83.464 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. -0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 525358 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.4  | 33.0  | 49.4   |
| 54        | 40.2  | 30.4  | 45.6   |

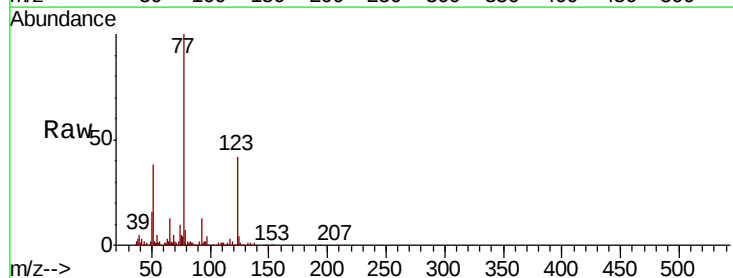


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

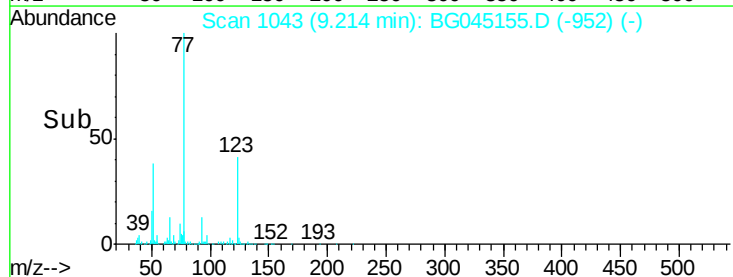
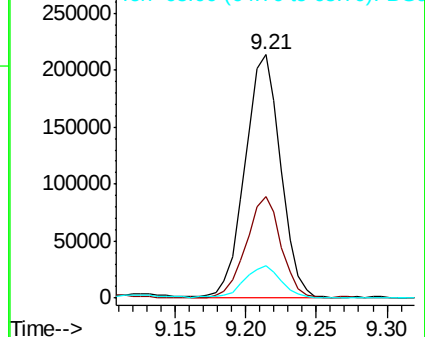


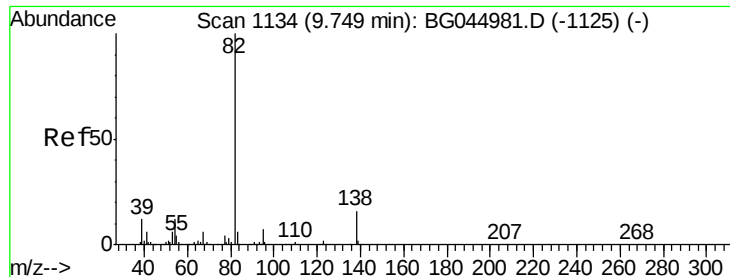
#24  
Nitrobenzene  
Concen: 58.153 ng  
RT: 9.21 min Scan# 1043  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

| Tgt Ion   | 77    | Resp  | 375201 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 41.8  | 34.3  | 51.5   |
| 65        | 13.2  | 8.9   | 13.3   |



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: 52.547 ng

RT: 9.74 min Scan# 1132

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

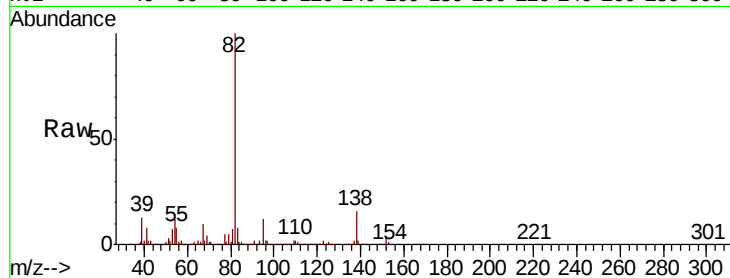
Tot Ion: 82 Resp: 677331

Ion Ratio Lower Upper

82 100

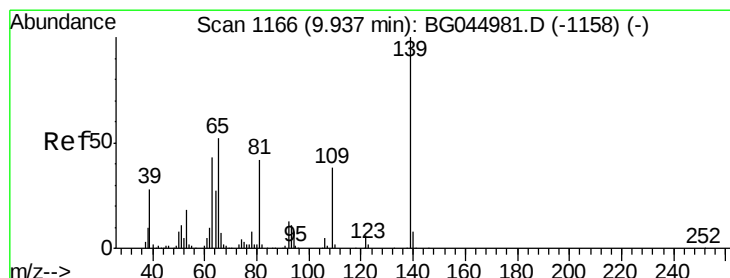
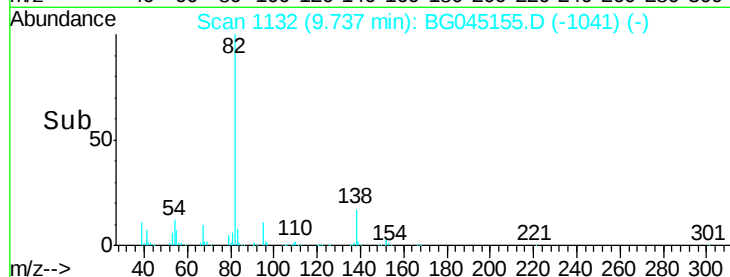
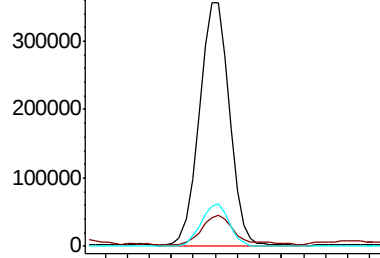
95 11.9 6.0 9.0#

138 16.4 12.7 19.1



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

9.74



#26

2-Nitrophenol

Concen: 62.094 ng

RT: 9.92 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

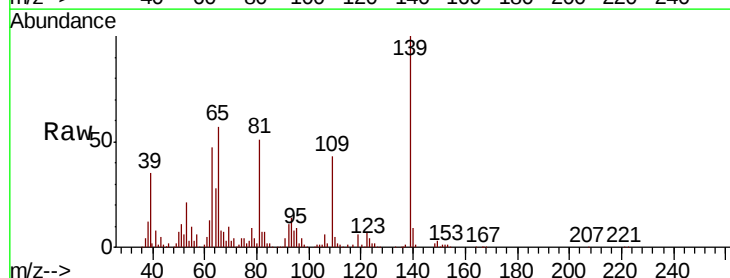
Tgt Ion: 139 Resp: 172569

Ion Ratio Lower Upper

139 100

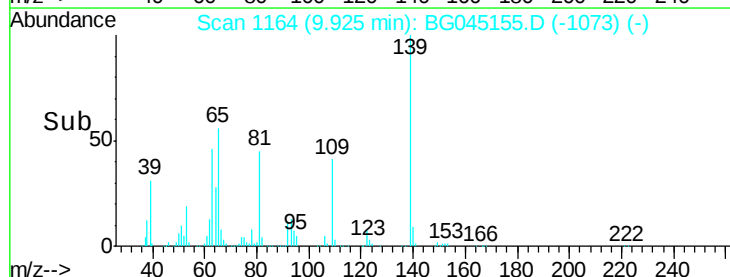
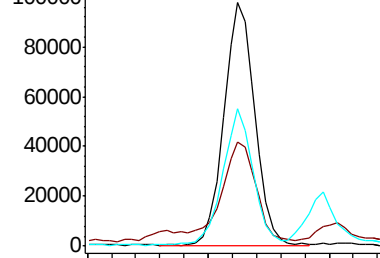
109 42.9 30.6 45.8

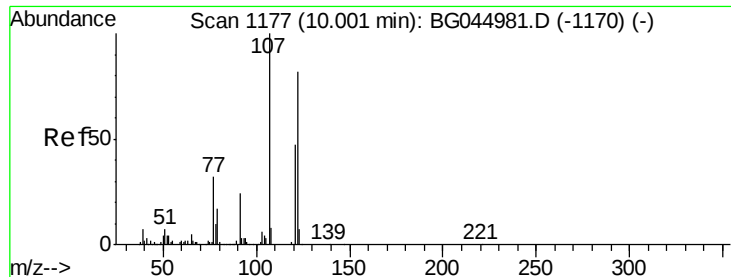
65 56.6 41.8 62.6



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

9.92

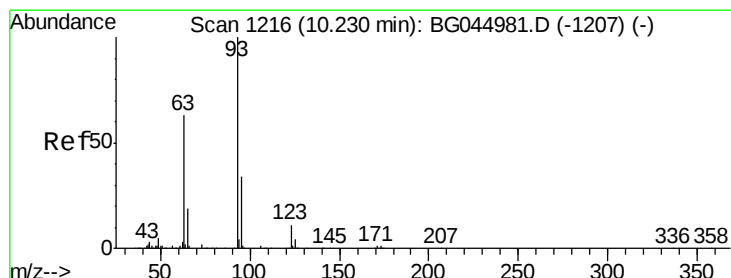
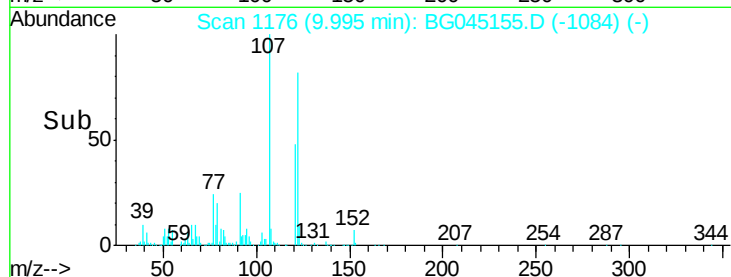
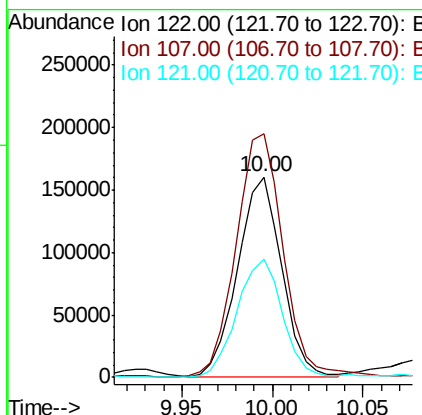
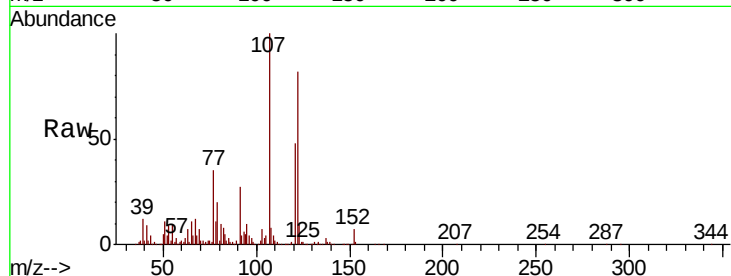




#27  
 2,4-Dimethylphenol  
 Concen: 61.675 ng  
 RT: 10.00 min Scan# 1176  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

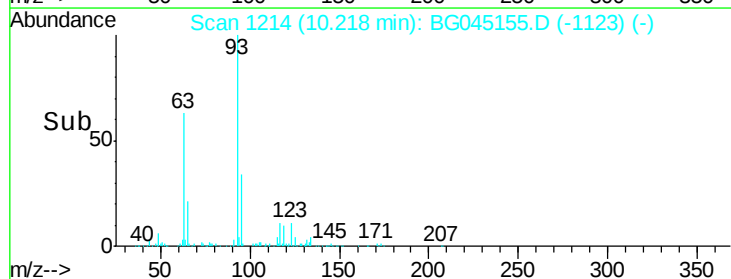
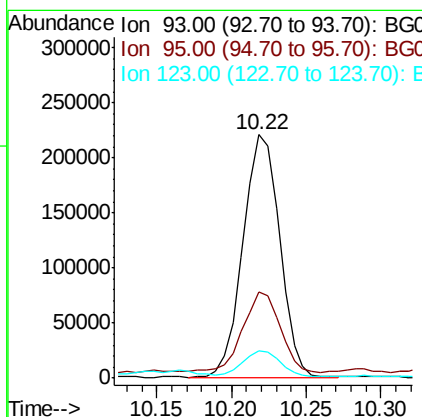
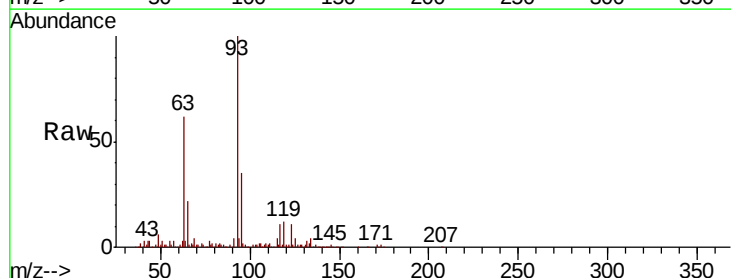
Instrument :  
 BNA\_G  
 ClientSampled :

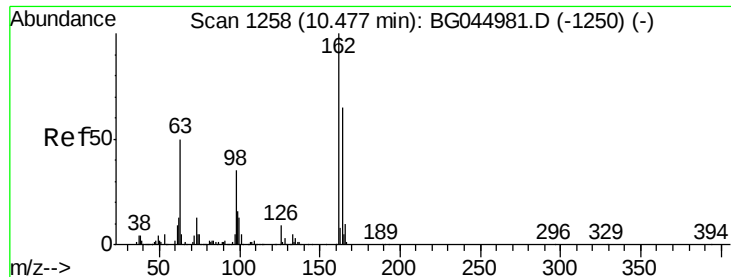
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 121.6 | 96.8  | 145.2 |
| 121     | 58.8  | 45.6  | 68.4  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 55.162 ng  
 RT: 10.22 min Scan# 1214  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 35.3  | 27.0  | 40.4  |
| 123     | 11.1  | 8.7   | 13.1  |

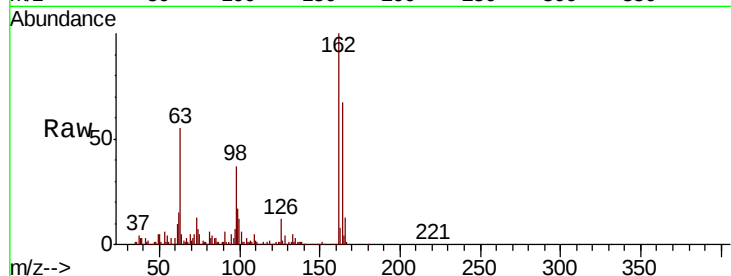




#29  
 2,4-Dichlorophenol  
 Concen: 61.566 ng  
 RT: 10.47 min Scan# 1257  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 67.5  | 45.0  | 85.0  |
| 98      | 36.6  | 15.2  | 55.2  |

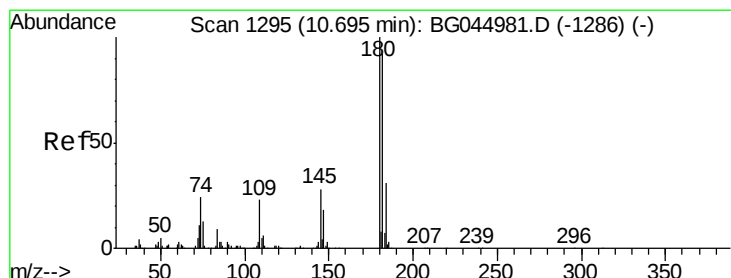
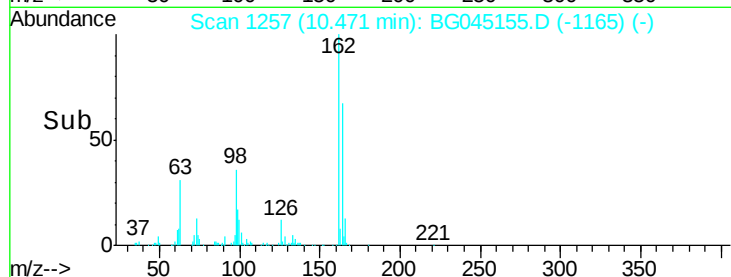
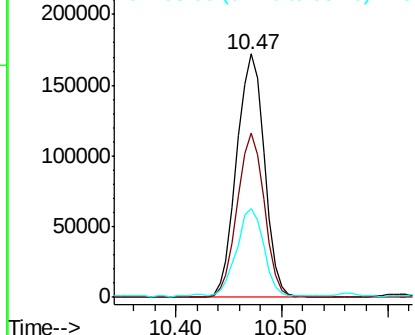


Abundance

Ion 162.00 (161.70 to 162.70): E

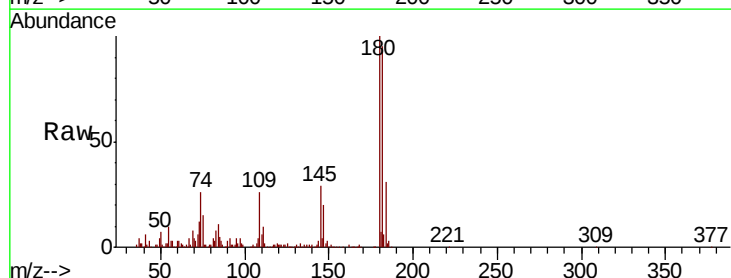
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30  
 1,2,4-Trichlorobenzene  
 Concen: 60.762 ng  
 RT: 10.68 min Scan# 1293  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 73.3  | 109.9 |
| 145     | 28.6  | 22.6  | 33.8  |

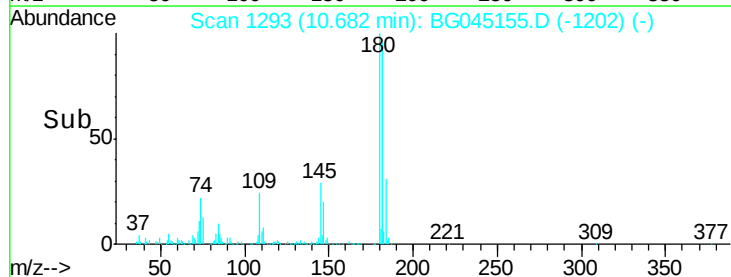
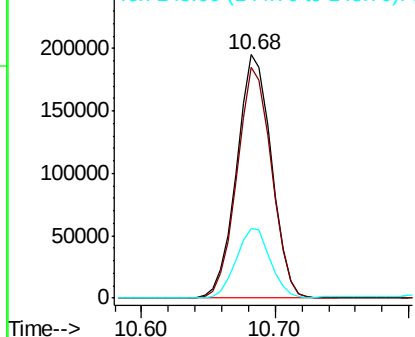


Abundance

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

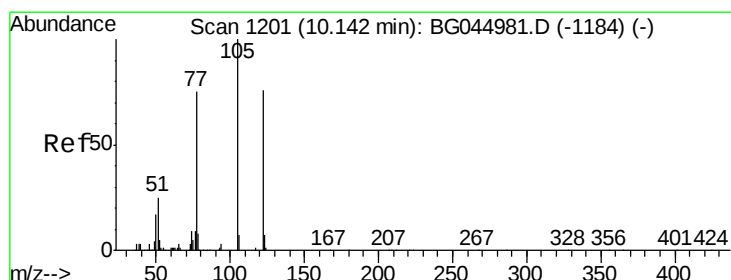
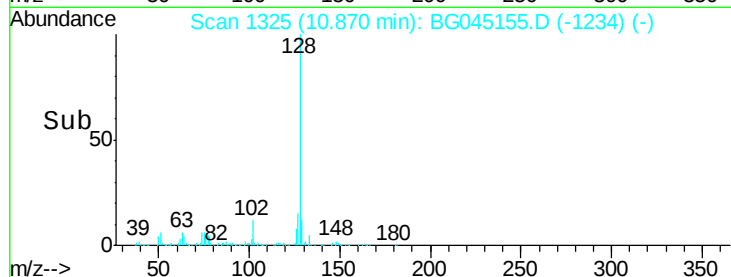
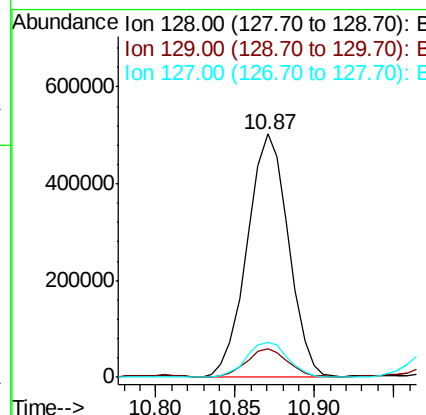
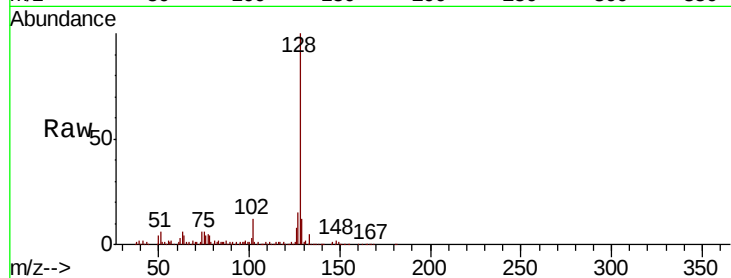




#31  
Naphthalene  
Concen: 57.450 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

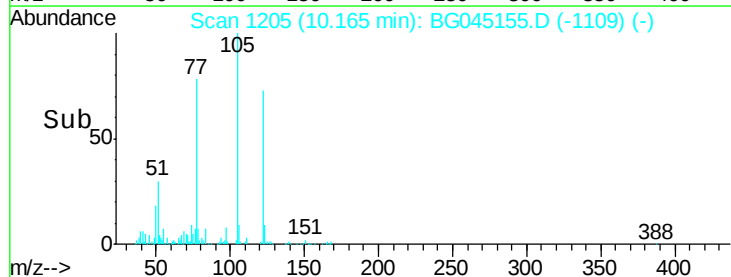
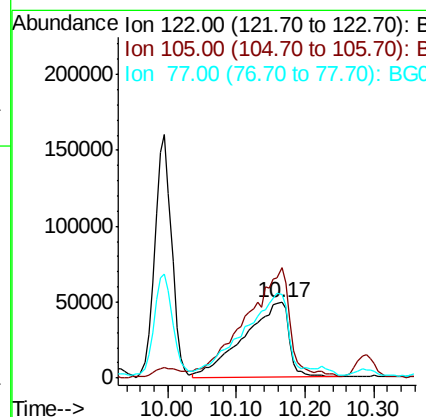
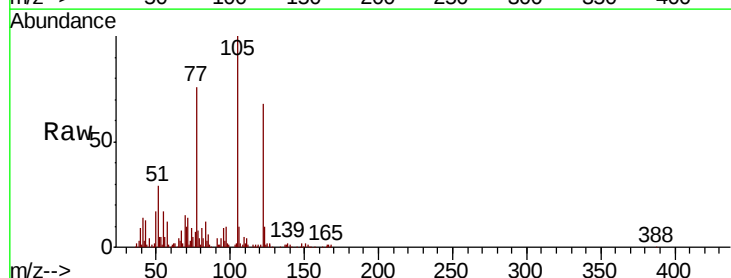
Instrument :  
BNA\_G  
ClientSampleId :

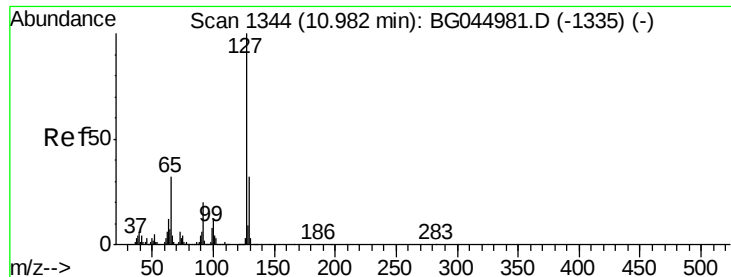
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 9.4   | 14.2  |
| 127     | 14.6  | 10.8  | 16.2  |



#32  
Benzoic acid  
Concen: 60.942 ng  
RT: 10.17 min Scan# 1205  
Delta R.T. 0.03 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 146.1 | 108.4 | 148.4 |
| 77      | 110.9 | 78.8  | 118.8 |

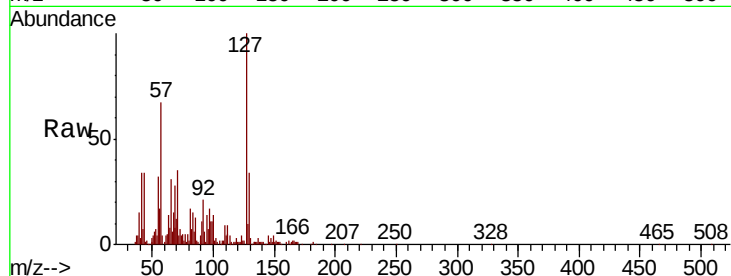




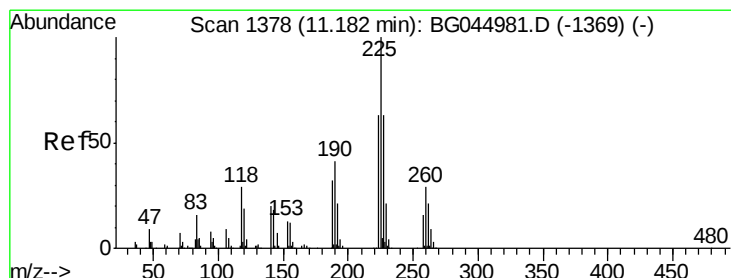
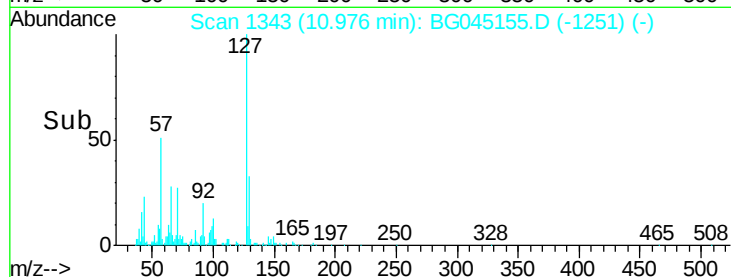
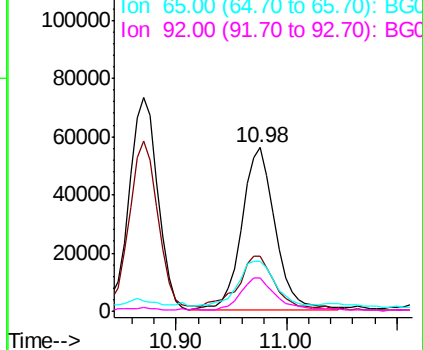
#33  
4-Chloroaniline  
Concen: 15.945 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:127 | Resp: | 116833      |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 33.5  | 25.7 38.5   |
| 65          | 30.5  | 25.4 38.2   |
| 92          | 20.7  | 16.1 24.1   |

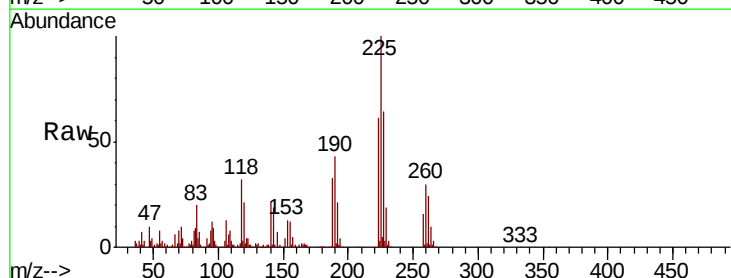


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

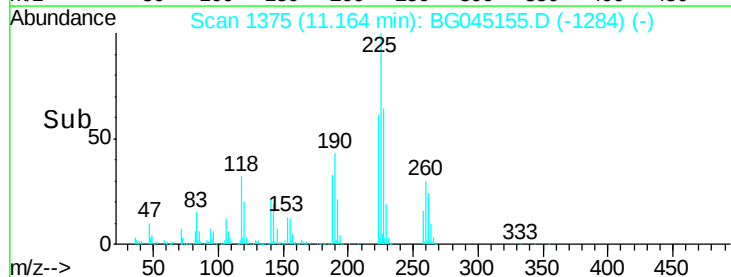
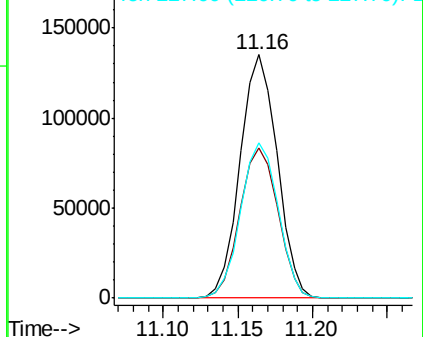


#34  
Hexachlorobutadiene  
Concen: 58.993 ng  
RT: 11.16 min Scan# 1375  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 233179      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 61.4  | 50.7 76.1   |
| 227         | 63.7  | 50.2 75.2   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 32.166 ng

RT: 11.76 min Scan# 1476

Delta R.T. 0.02 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

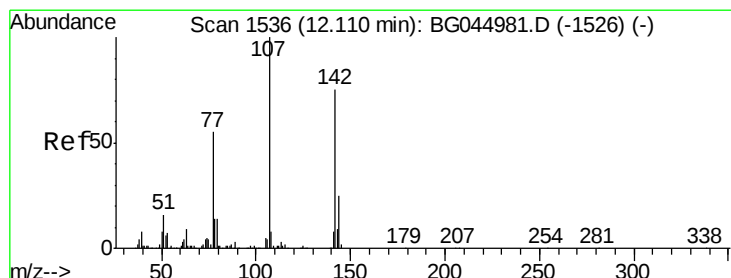
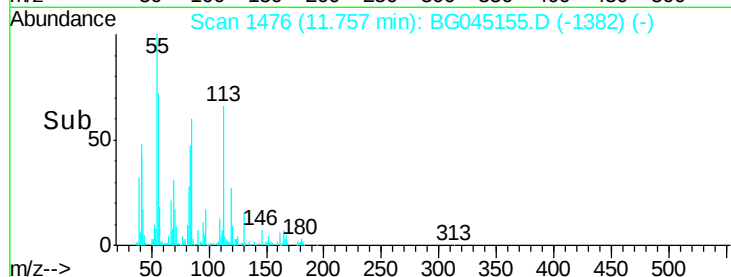
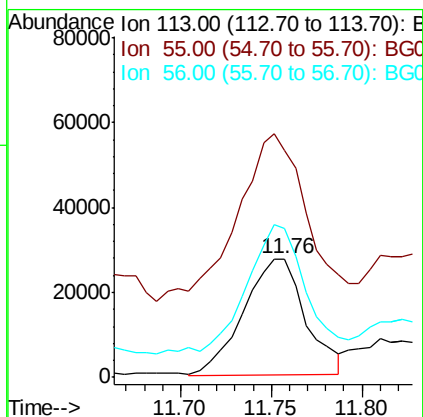
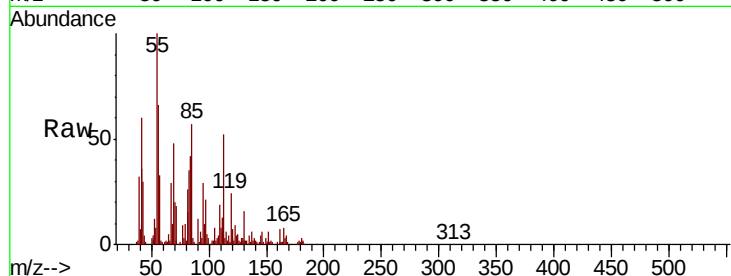
Tot Ion:113 Resp: 65185

Ion Ratio Lower Upper

113 100

55 191.4 118.8 158.8#

56 125.9 82.6 122.6#



#36

4-Chloro-3-methylphenol

Concen: 56.524 ng

RT: 12.11 min Scan# 1536

Delta R.T. 0.02 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

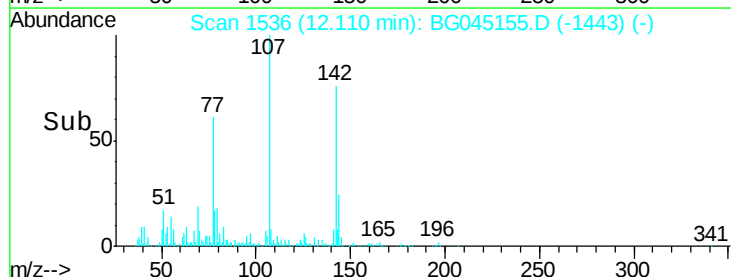
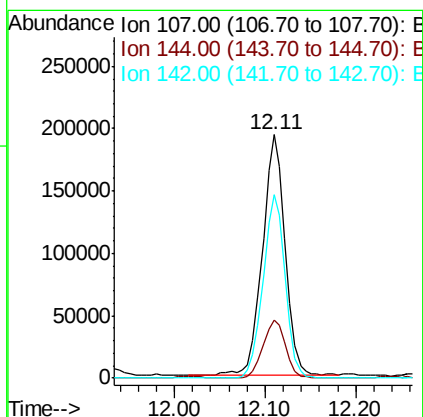
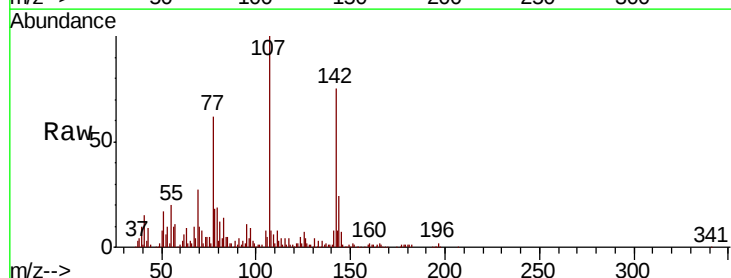
Tgt Ion:107 Resp: 338106

Ion Ratio Lower Upper

107 100

144 24.0 19.8 29.6

142 75.3 59.7 89.5

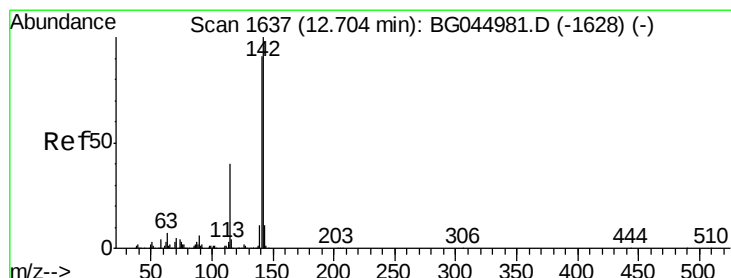
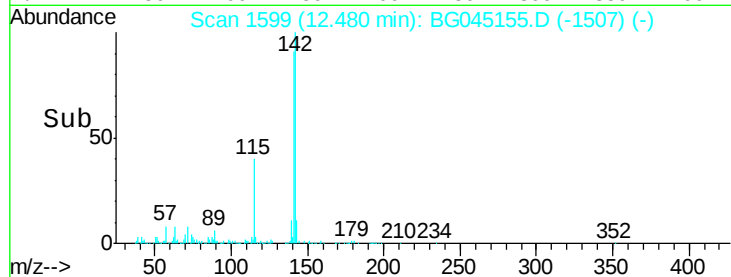
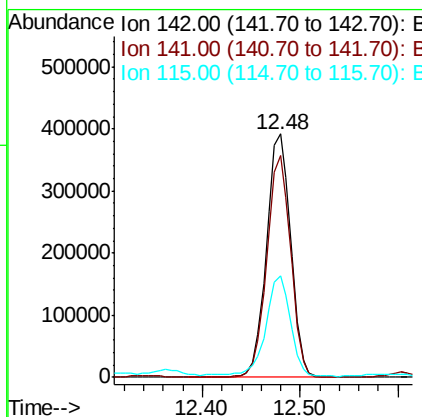
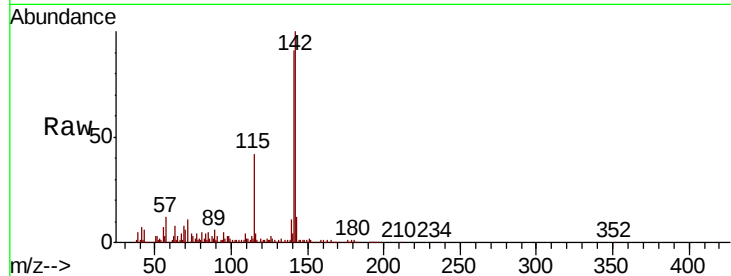




#37  
2-Methylnaphthalene  
Concen: 55.640 ng  
RT: 12.48 min Scan# 1599  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

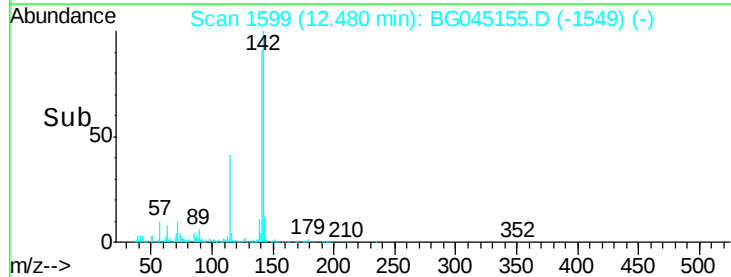
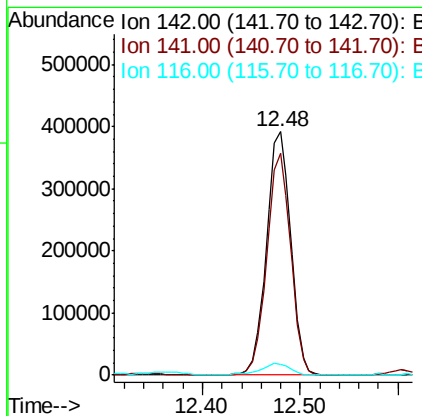
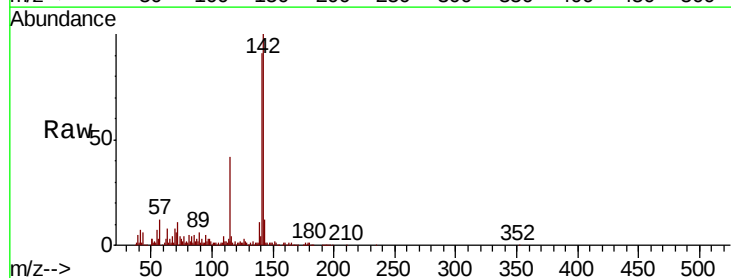
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 70.3  | 105.5 |
| 115     | 41.7  | 29.8  | 44.6  |



#38  
1-Methylnaphthalene  
Concen: 58.938 ng  
RT: 12.48 min Scan# 1599  
Delta R.T. -0.21 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.9  | 72.7  | 109.1 |
| 116     | 4.2   | 3.1   | 4.7   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1969

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

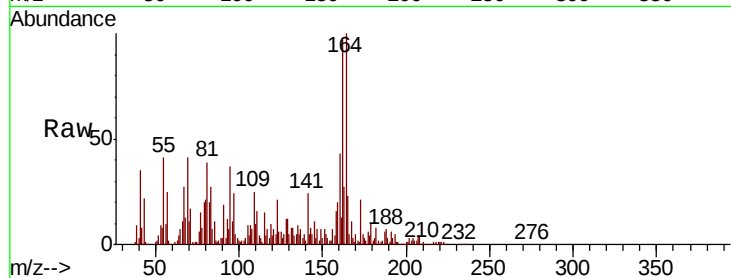
Tot Ion:164 Resp: 188661

Ion Ratio Lower Upper

164 100

162 96.8 78.7 118.1

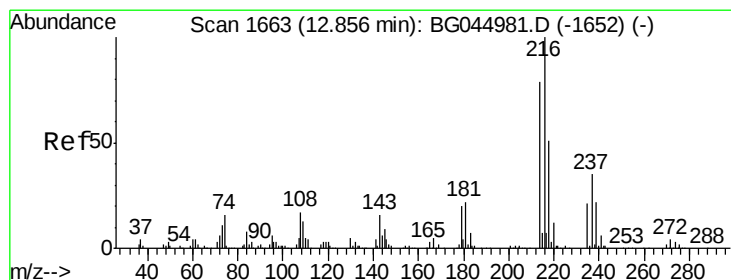
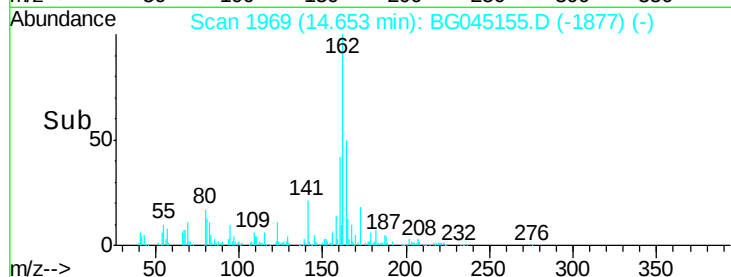
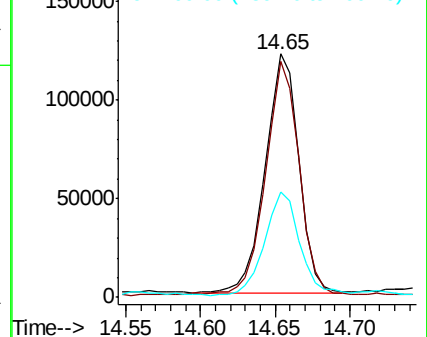
160 43.4 32.8 49.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 63.700 ng

RT: 12.85 min Scan# 1662

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Tgt Ion:216 Resp: 386941

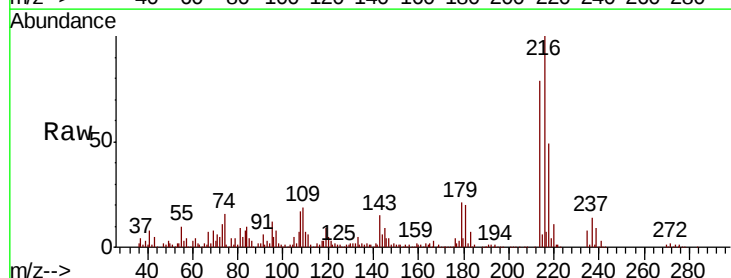
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.6

179 23.0 15.8 23.8

108 18.0 14.2 21.2

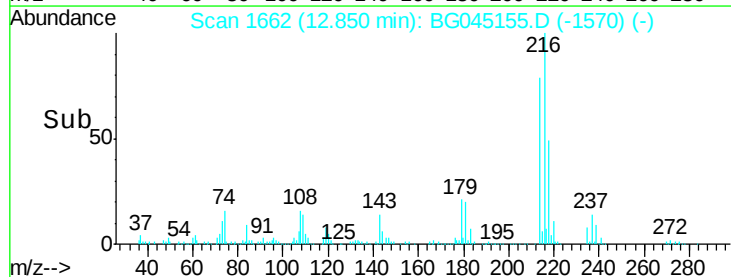
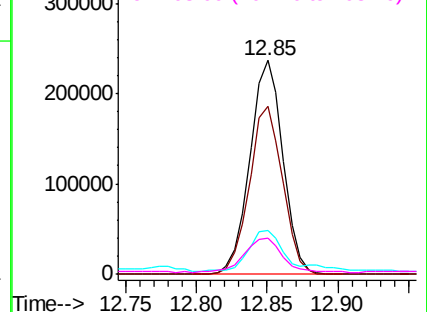


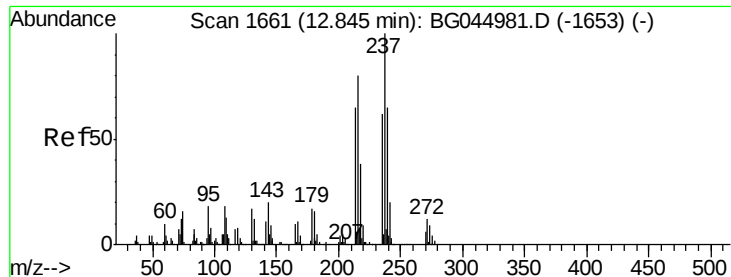
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 60.612 ng

RT: 12.83 min Scan# 1659

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

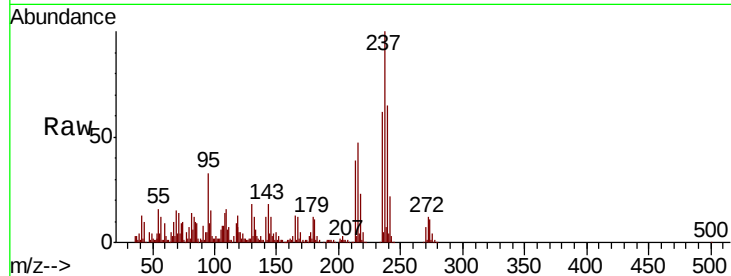
Tot Ion:237 Resp: 230117

Ion Ratio Lower Upper

237 100

235 62.2 41.6 81.6

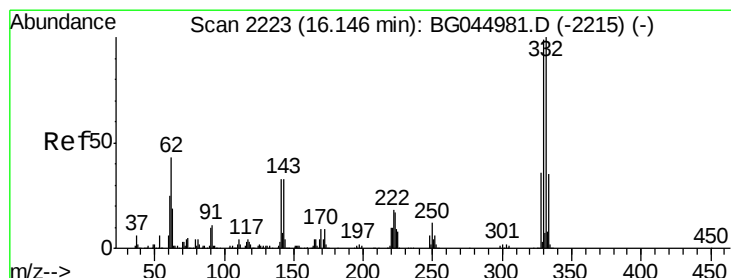
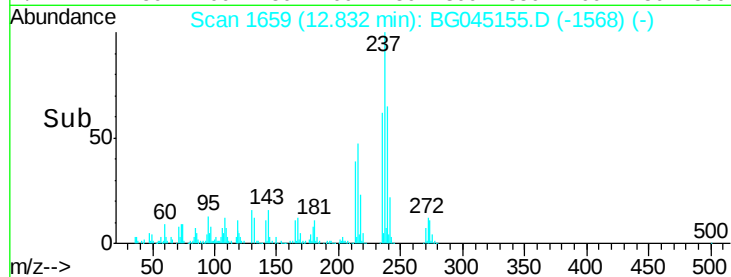
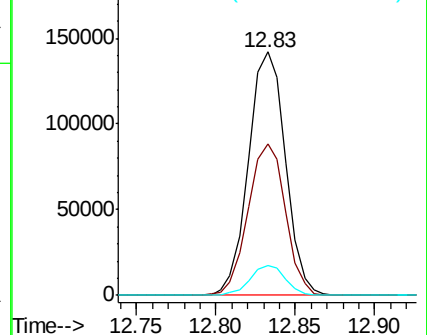
272 12.1 0.0 32.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 119.340 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

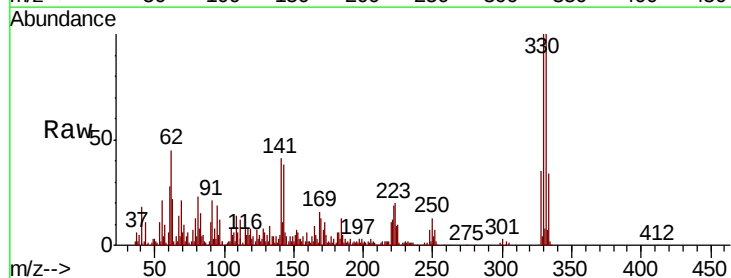
Tgt Ion:330 Resp: 347825

Ion Ratio Lower Upper

330 100

332 97.9 79.1 118.7

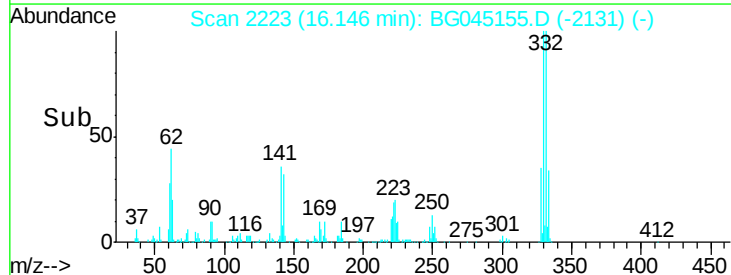
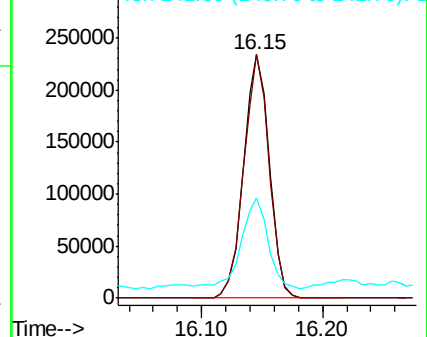
141 38.8 27.1 40.7

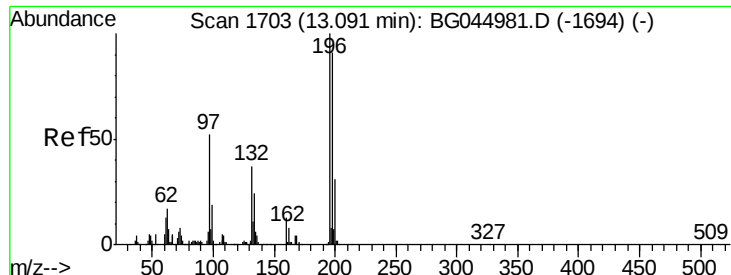


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

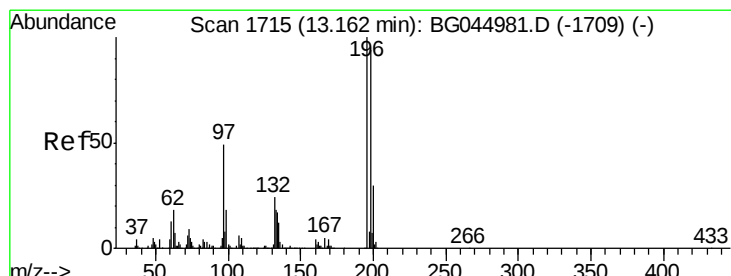
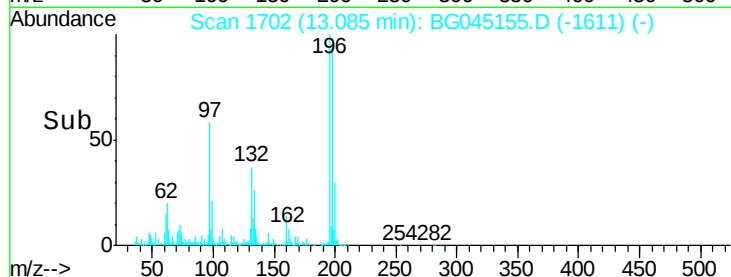
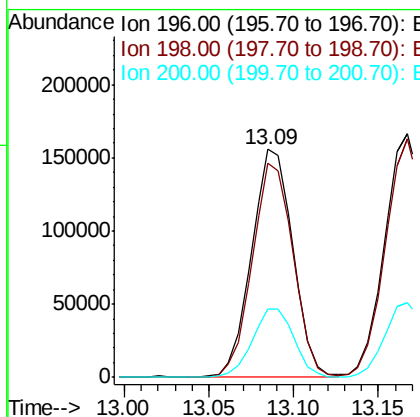
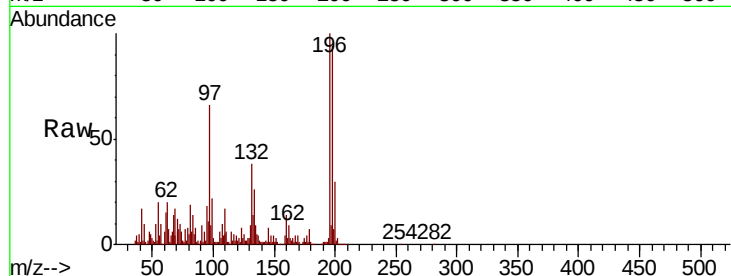




#43  
 2,4,6-Trichlorophenol  
 Concen: 61.519 ng  
 RT: 13.09 min Scan# 1702  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

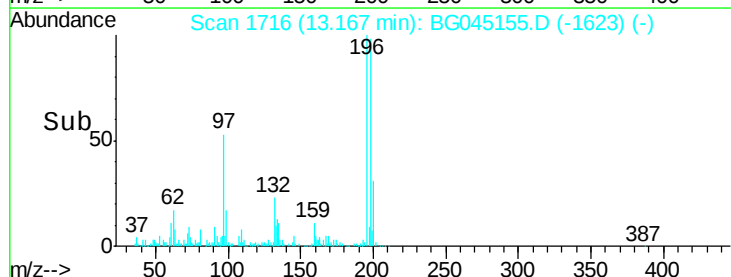
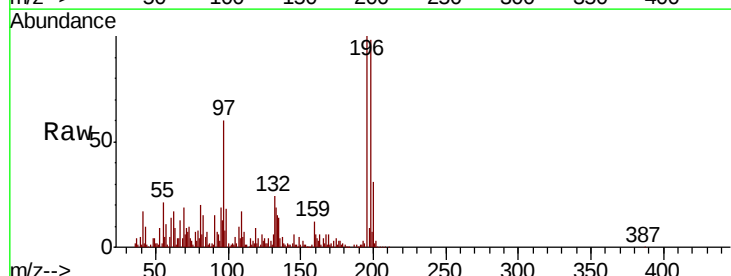
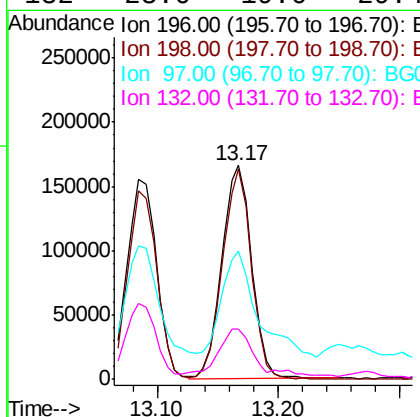
Instrument :  
 BNA\_G  
 ClientSampleId :

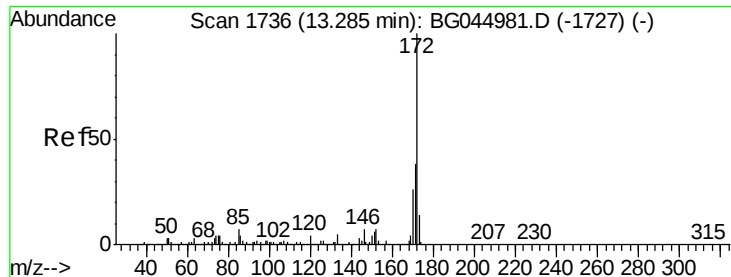
| Tot Ion   | 196   | Resp  | 263737 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 93.8  | 72.5  | 108.7  |
| 200       | 30.2  | 24.5  | 36.7   |



#44  
 2,4,5-Trichlorophenol  
 Concen: 57.648 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. 0.02 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion   | 196   | Resp  | 281313 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 98.0  | 75.7  | 113.5  |
| 97        | 60.0  | 39.6  | 59.4   |
| 132       | 23.6  | 19.6  | 29.4   |

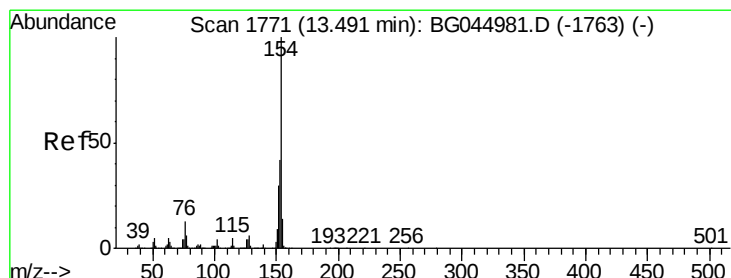
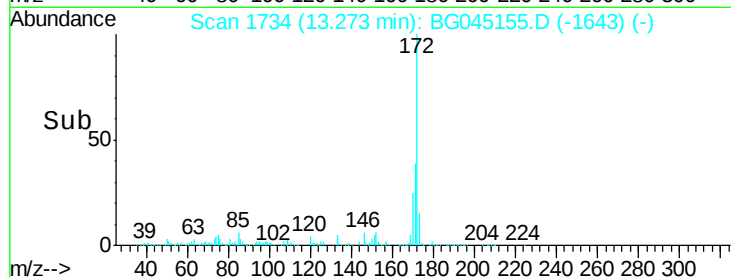
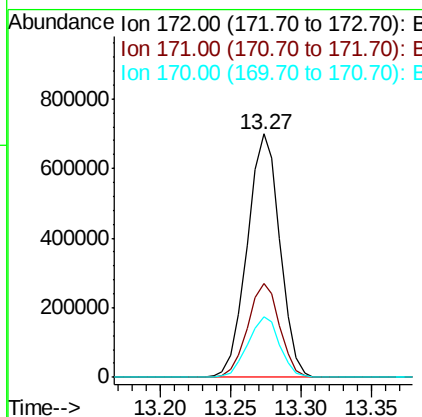
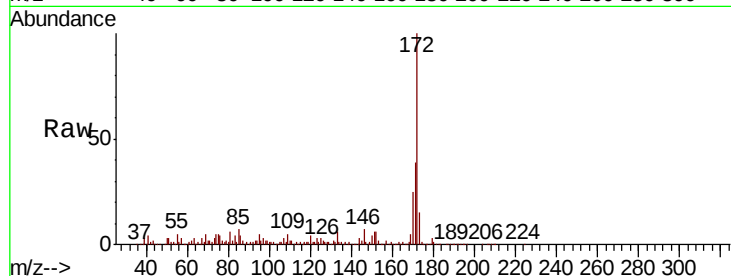




#45  
2-Fluorobiphenyl  
Concen: 87.927 ng  
RT: 13.27 min Scan# 1734  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

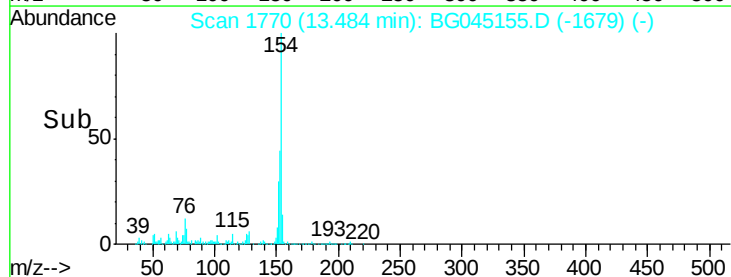
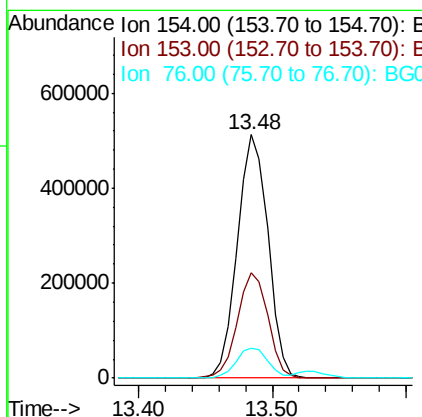
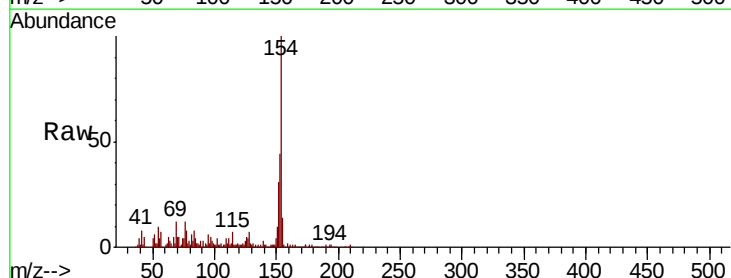
Instrument :  
BNA\_G  
ClientSampleId :

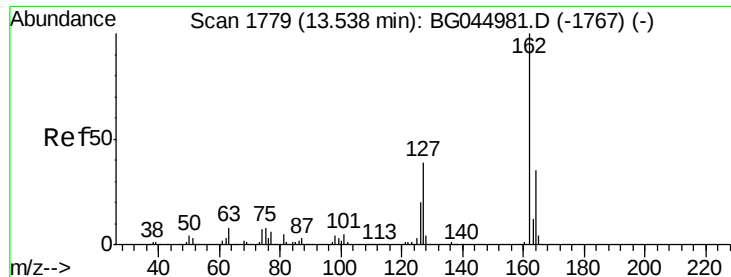
Tot Ion:172 Resp: 1131302  
Ion Ratio Lower Upper  
172 100  
171 38.7 30.6 46.0  
170 25.1 20.5 30.7



#46  
1,1'-Biphenyl  
Concen: 56.512 ng  
RT: 13.48 min Scan# 1770  
Delta R.T. 0.00 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Tgt Ion:154 Resp: 810349  
Ion Ratio Lower Upper  
154 100  
153 43.5 21.9 61.9  
76 12.4 0.0 33.1

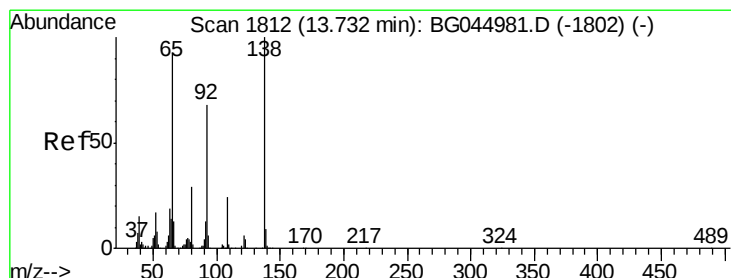
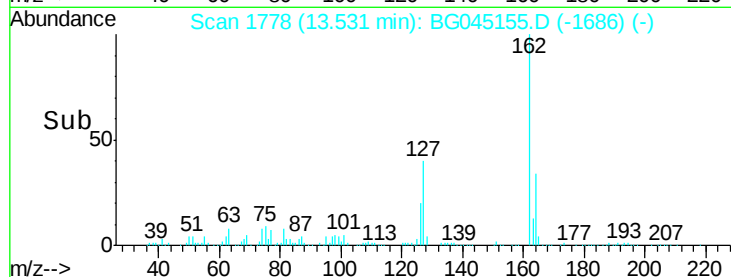
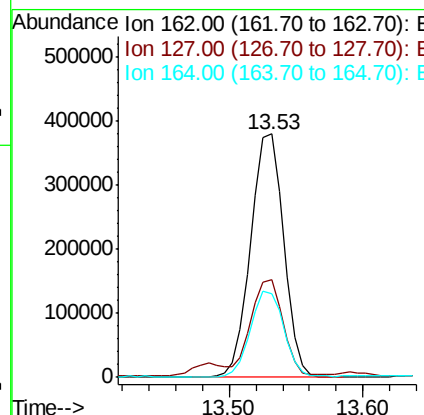
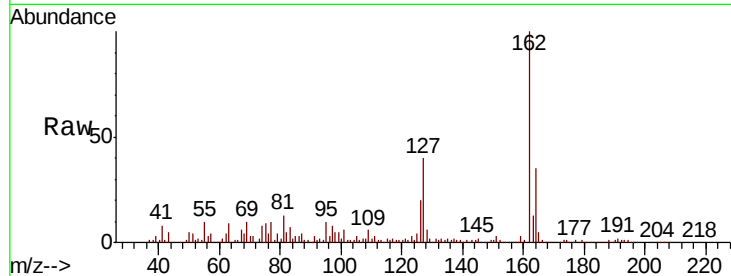




#47  
2-Chloronaphthalene  
Concen: 59.125 ng  
RT: 13.53 min Scan# 1778  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

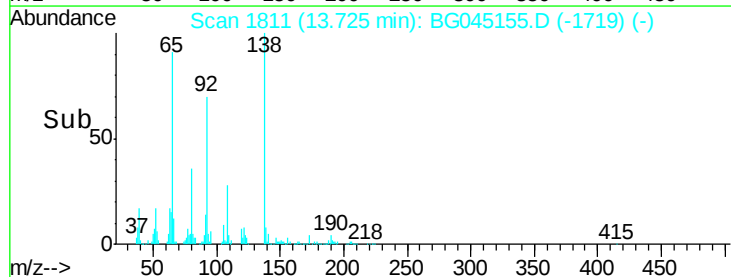
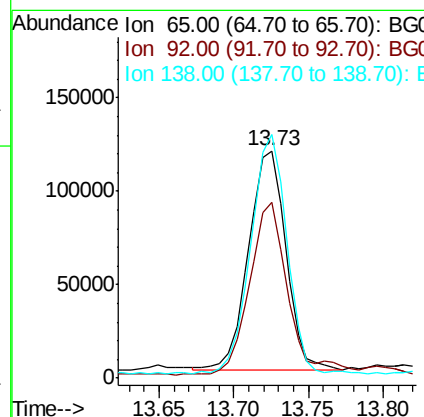
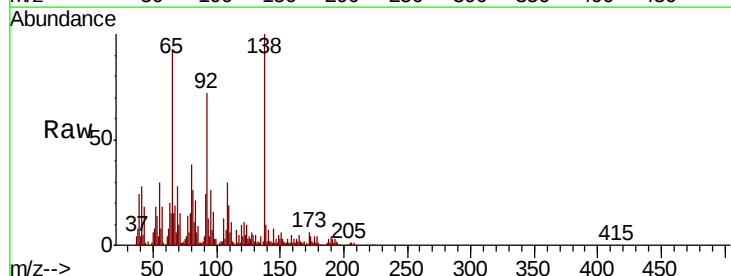
Instrument :  
BNA\_G  
ClientSampleId :

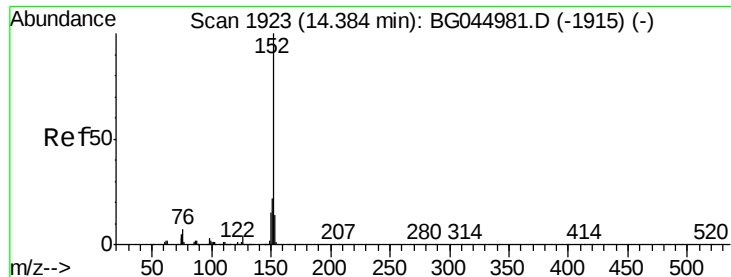
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.2  | 31.3  | 46.9  |
| 164     | 34.5  | 27.8  | 41.8  |



#48  
2-Nitroaniline  
Concen: 56.510 ng  
RT: 13.73 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 77.6  | 58.3  | 87.5  |
| 138     | 107.2 | 85.6  | 128.4 |





#49

Acenaphthylene

Concen: 56.318 ng

RT: 14.38 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

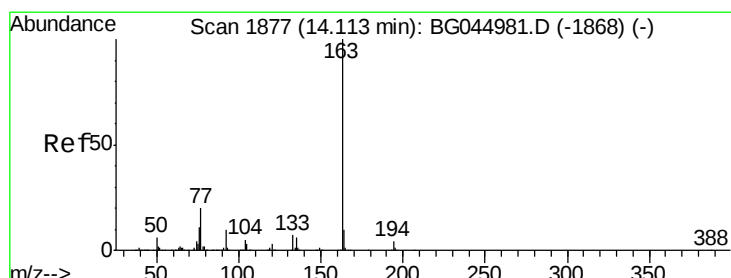
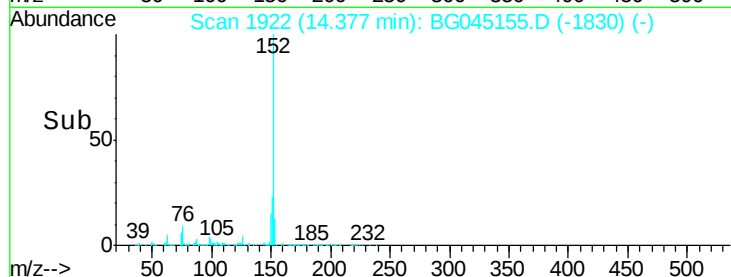
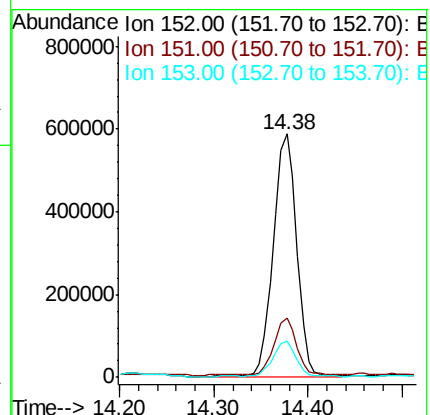
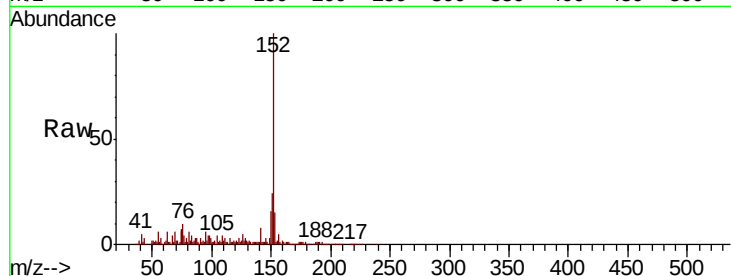
Tot Ion:152 Resp: 1005118

Ion Ratio Lower Upper

152 100

151 24.1 17.2 25.8

153 14.9 11.0 16.4



#50

Dimethylphthalate

Concen: 65.783 ng

RT: 14.11 min Scan# 1876

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

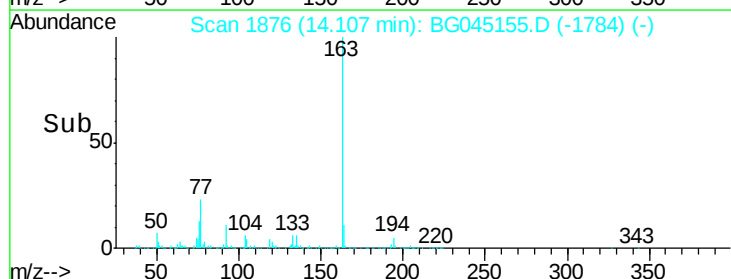
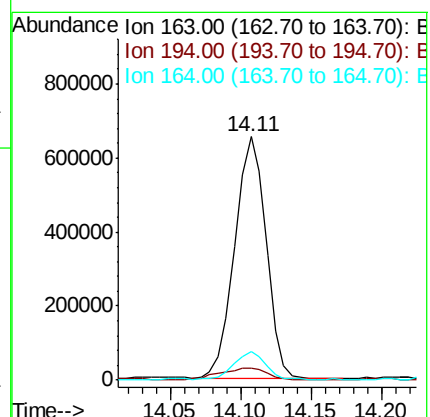
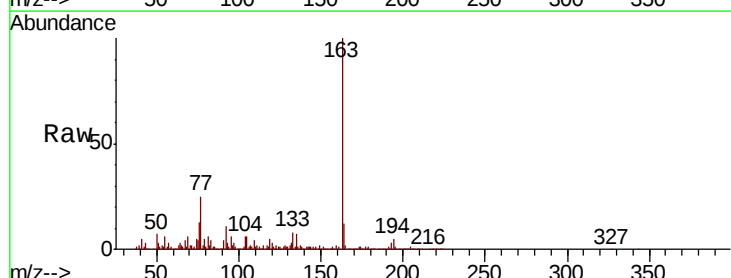
Tgt Ion:163 Resp: 1010541

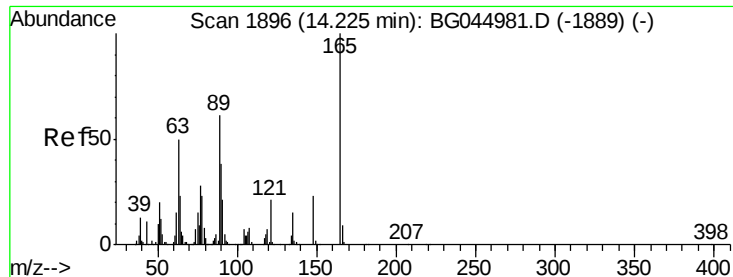
Ion Ratio Lower Upper

163 100

194 5.0 3.5 5.3

164 11.6 8.2 12.4

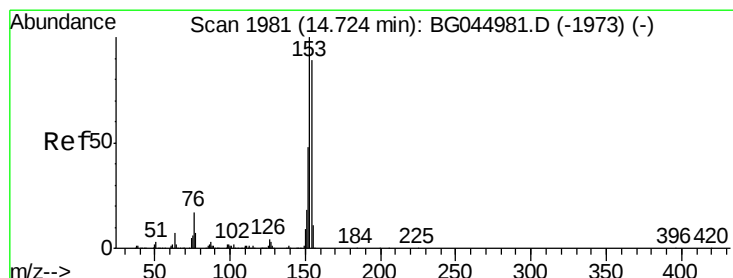
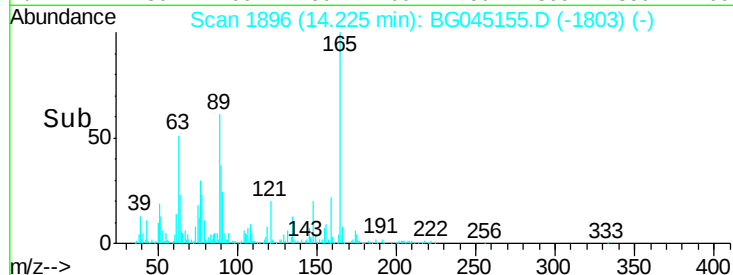
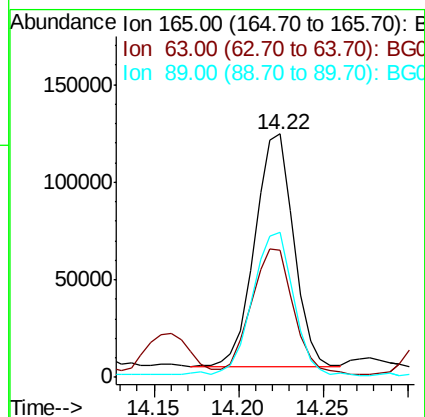
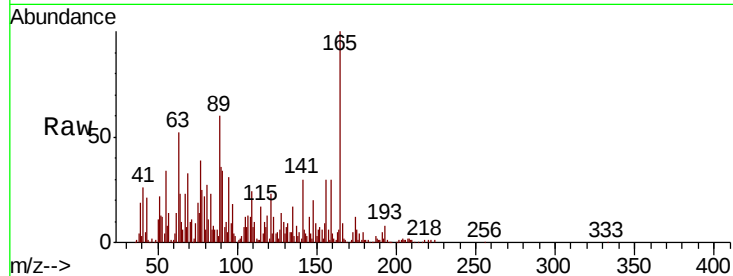




#51  
 2,6-Dinitrotoluene  
 Concen: 54.930 ng  
 RT: 14.22 min Scan# 1896  
 Delta R.T. 0.02 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

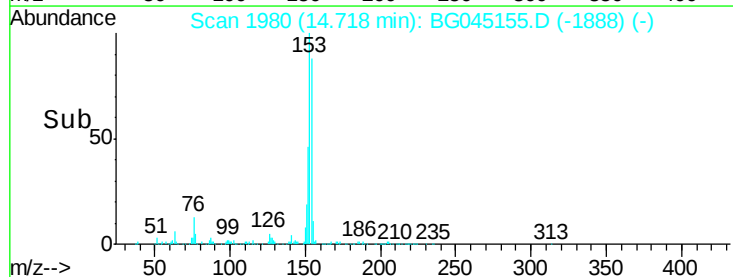
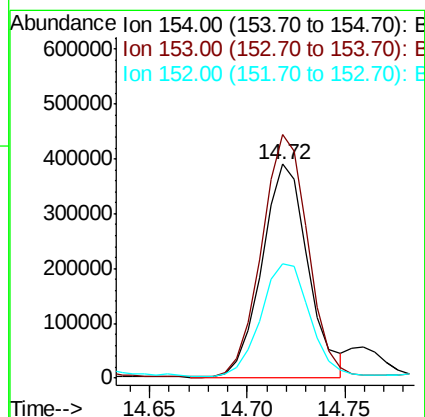
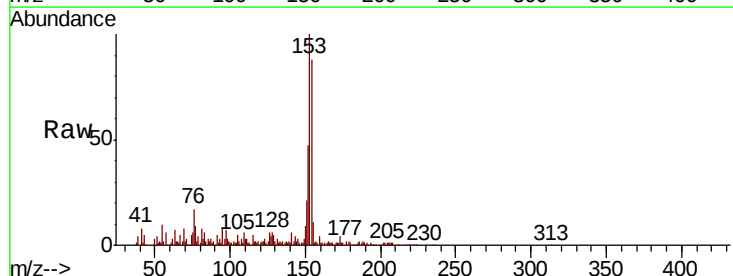
Instrument :  
 BNA\_G  
 ClientSampleId :

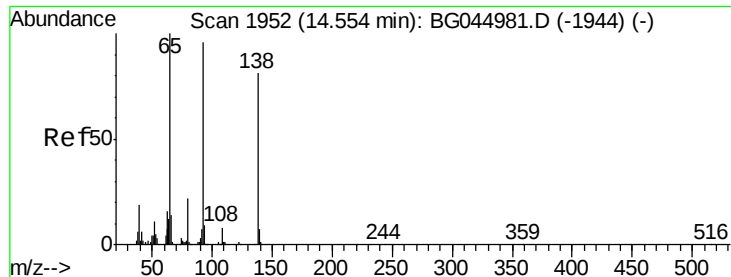
Tot Ion:165 Resp: 188738  
 Ion Ratio Lower Upper  
 165 100  
 63 52.0 40.4 60.6  
 89 59.7 49.1 73.7



#52  
 Acenaphthene  
 Concen: 52.645 ng  
 RT: 14.72 min Scan# 1980  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

Tgt Ion:154 Resp: 635705  
 Ion Ratio Lower Upper  
 154 100  
 153 114.0 89.7 134.5  
 152 53.3 43.1 64.7

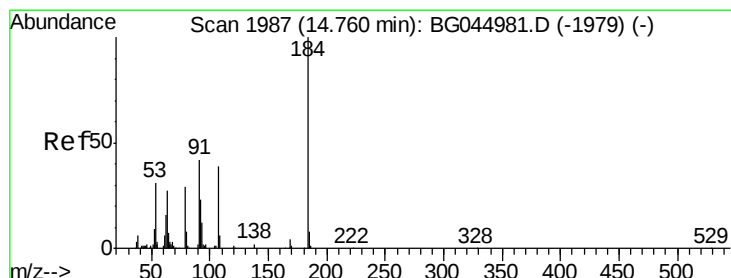
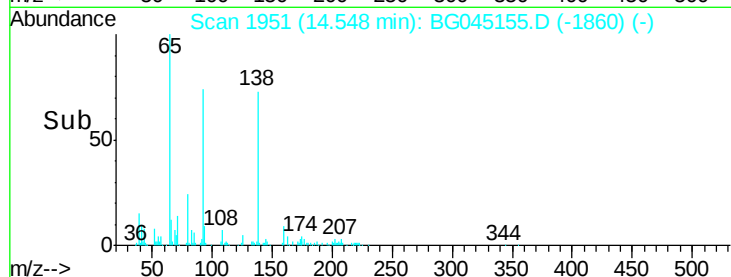
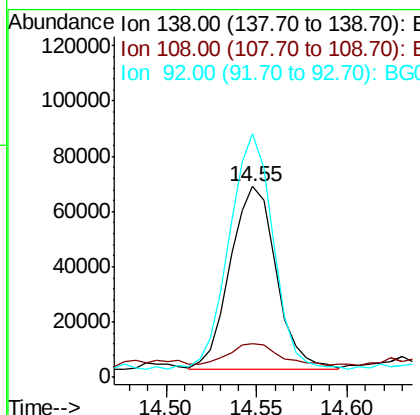
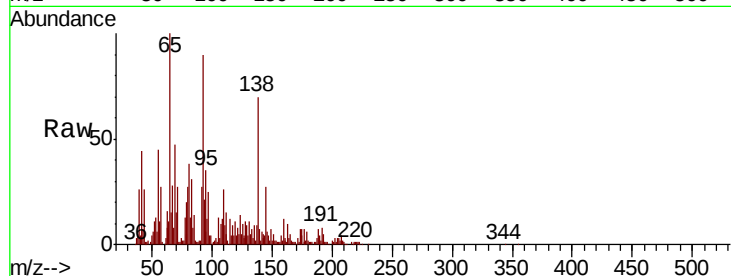




#53  
 3-Nitroaniline  
 Concen: 31.173 ng  
 RT: 14.55 min Scan# 1951  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

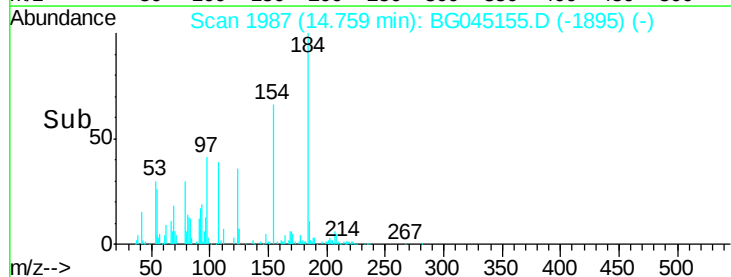
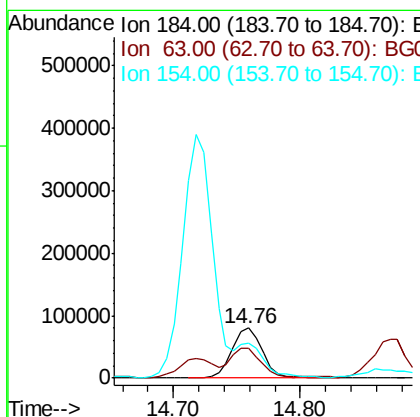
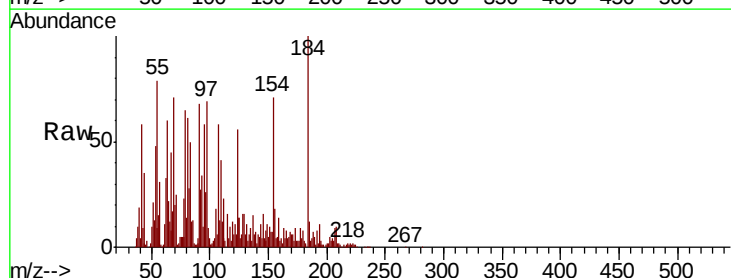
Instrument :  
 BNA\_G  
 ClientSampleId :

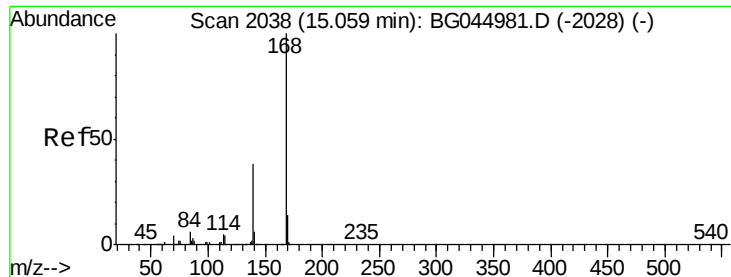
Tot Ion:138 Resp: 117474  
 Ion Ratio Lower Upper  
 138 100  
 108 17.4 7.8 11.8#  
 92 127.4 94.5 141.7



#54  
 2,4-Dinitrophenol  
 Concen: 64.804 ng  
 RT: 14.76 min Scan# 1987  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

Tgt Ion:184 Resp: 132403  
 Ion Ratio Lower Upper  
 184 100  
 63 60.1 41.5 62.3  
 154 70.9 52.3 78.5

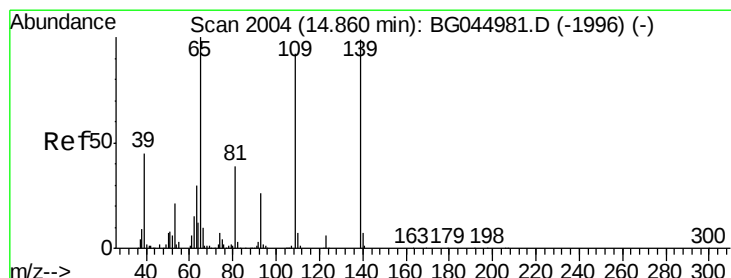
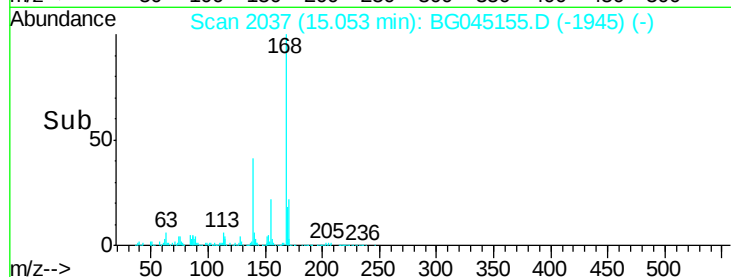
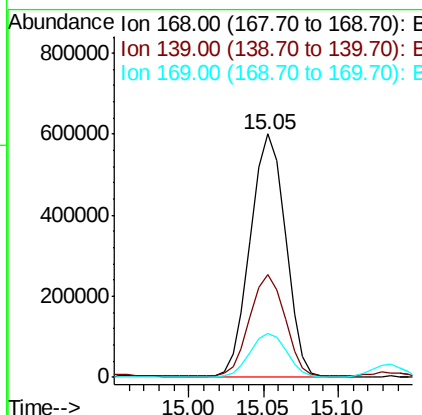
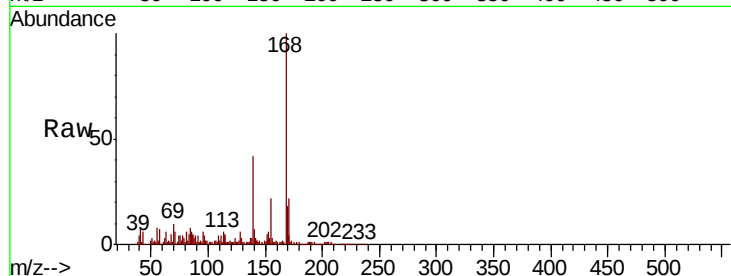




#55  
Dibenzofuran  
Concen: 55.780 ng  
RT: 15.05 min Scan# 2037  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

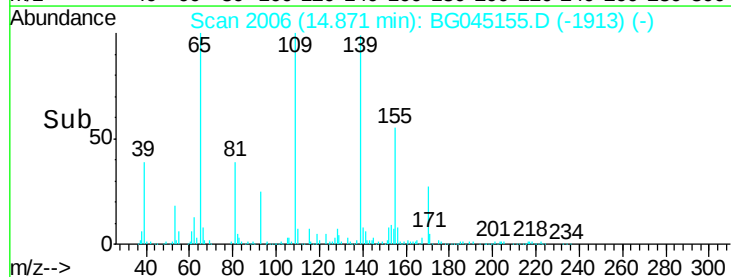
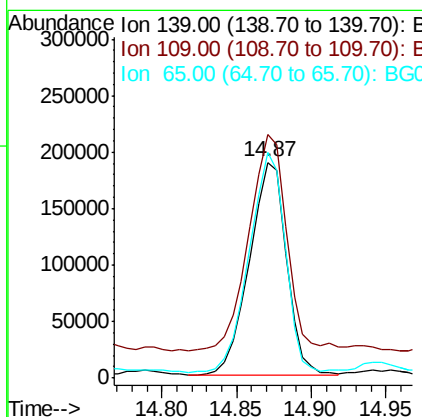
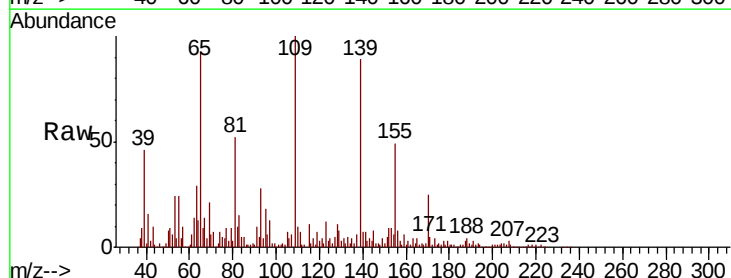
Instrument :  
BNA\_G  
ClientSampleId :

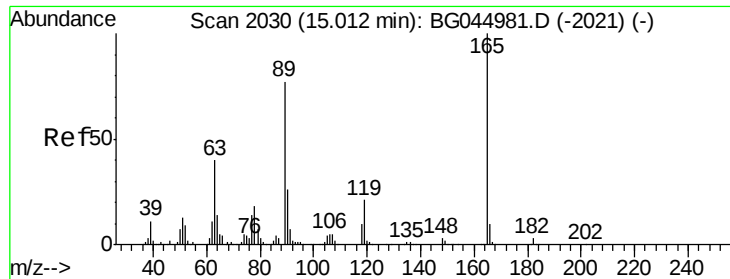
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 42.1  | 30.4  | 45.6  |
| 169     | 18.1  | 11.0  | 16.4  |



#56  
4-Nitrophenol  
Concen: 110.014 ng  
RT: 14.87 min Scan# 2006  
Delta R.T. 0.02 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 112.7 | 73.6  | 113.6 |
| 65      | 104.7 | 81.2  | 121.2 |

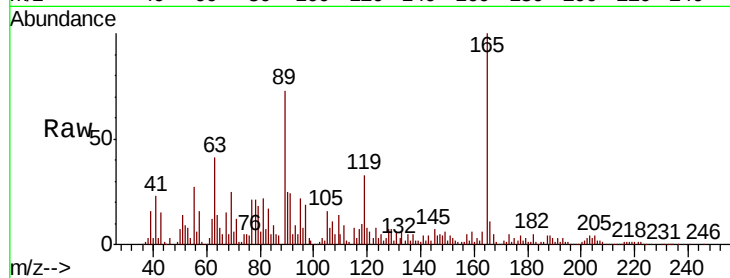




#57  
 2,4-Dinitrotoluene  
 Concen: 51.621 ng  
 RT: 15.01 min Scan# 2030  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 40.6  | 32.2  | 48.2  |
| 89      | 72.9  | 61.7  | 92.5  |
| 182     | 5.5   | 2.0   | 3.0   |



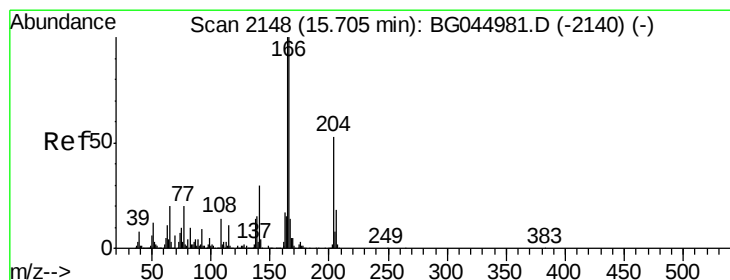
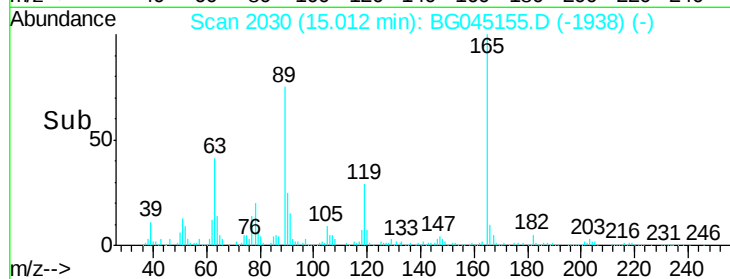
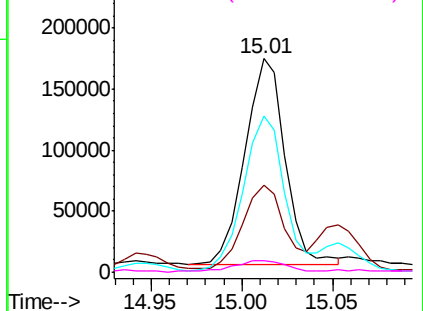
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

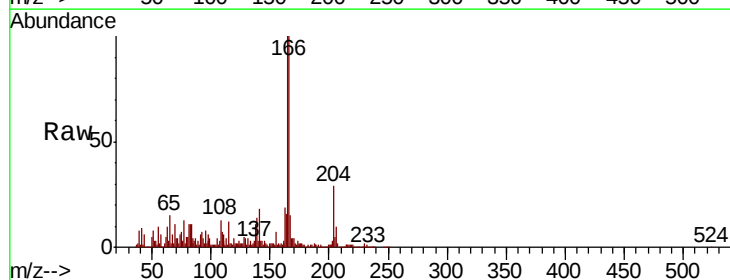
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58  
 Fluorene  
 Concen: 58.380 ng  
 RT: 15.70 min Scan# 2148  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.5 | 79.9  | 119.9 |
| 167     | 15.4  | 11.4  | 17.0  |

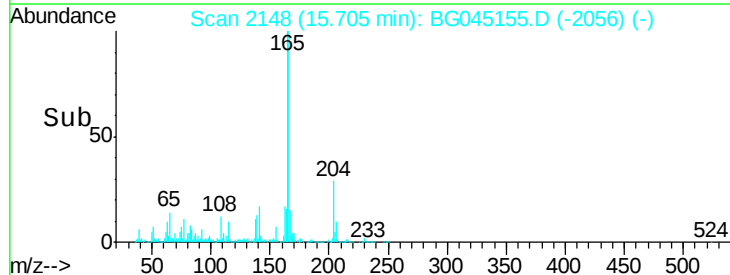
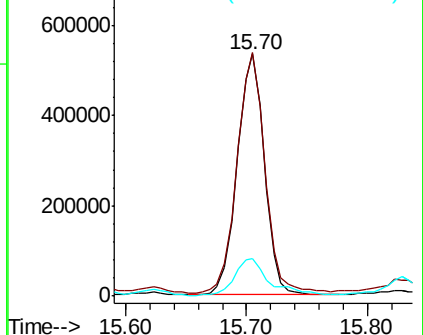


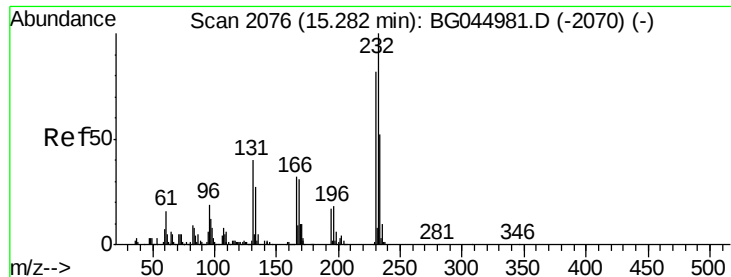
Abundance

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





#59

2,3,4,6-Tetrachlorophenol

Concen: 58.455 ng

RT: 15.28 min Scan# 2076

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:232 Resp: 253812

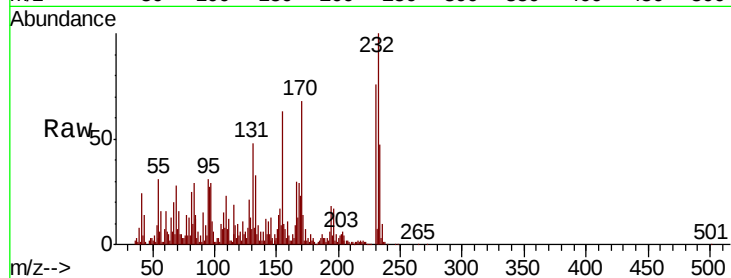
Ion Ratio Lower Upper

232 100

131 49.1 32.2 48.2#

130 5.8 2.2 3.2#

166 28.8 24.2 36.4

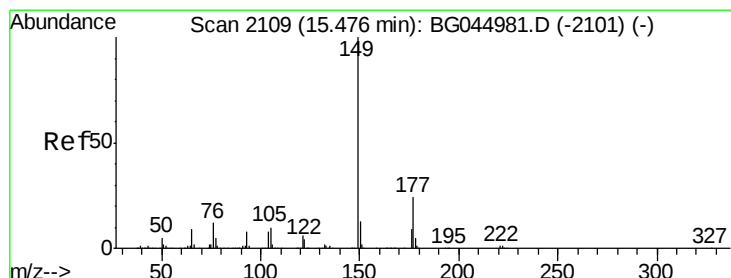
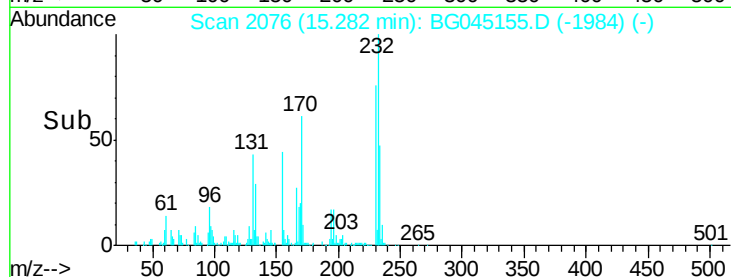
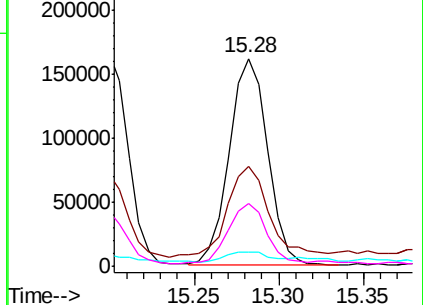


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 48.894 ng

RT: 15.47 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

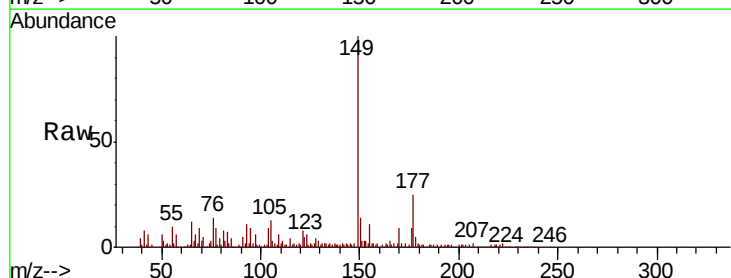
Tgt Ion:149 Resp: 783084

Ion Ratio Lower Upper

149 100

177 25.0 18.9 28.3

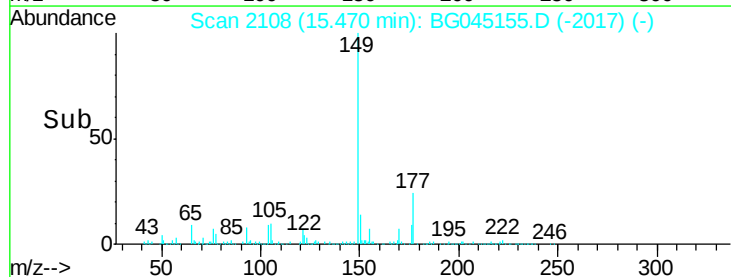
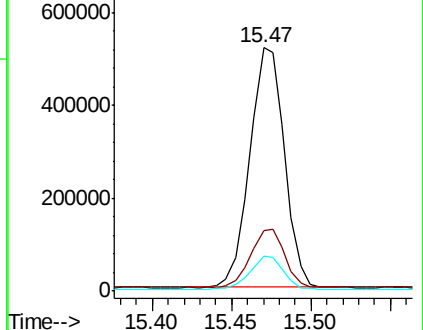
150 14.2 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

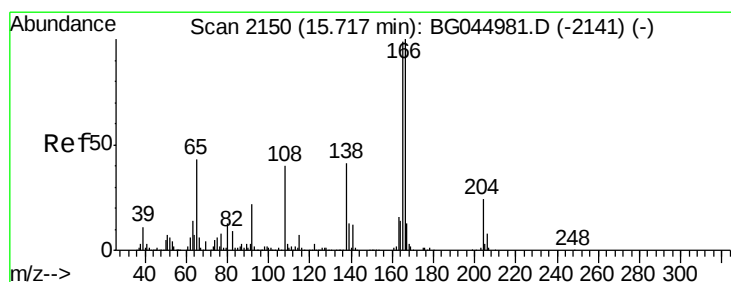
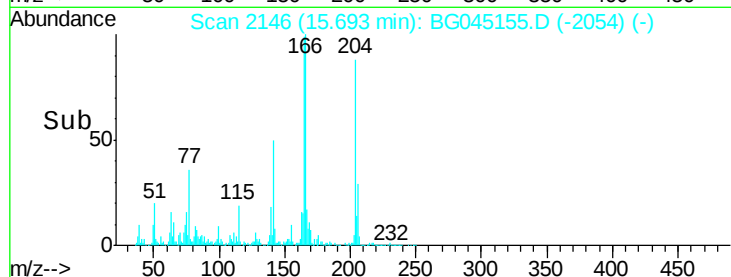
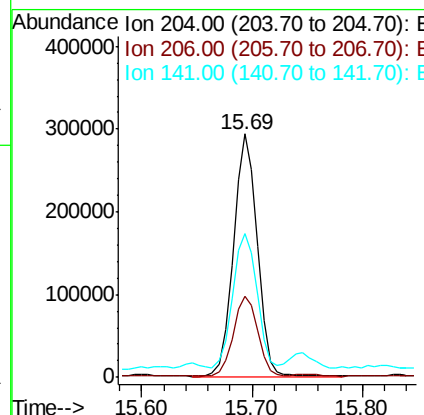
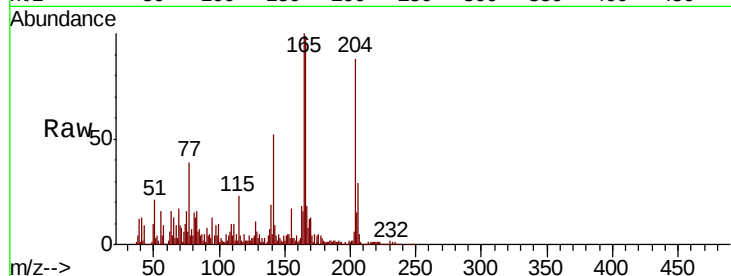




#61  
 4-Chlorophenyl-phenylether  
 Concen: 53.116 ng  
 RT: 15.69 min Scan# 2146  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

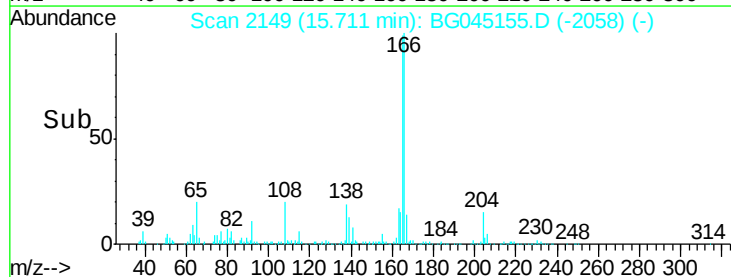
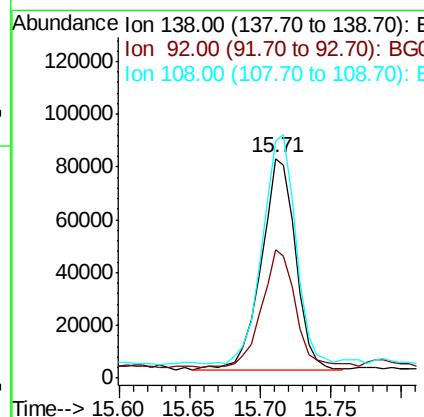
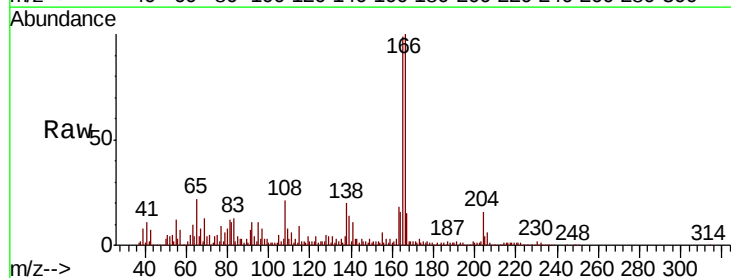
Instrument :  
 BNA\_G  
 ClientSampleId :

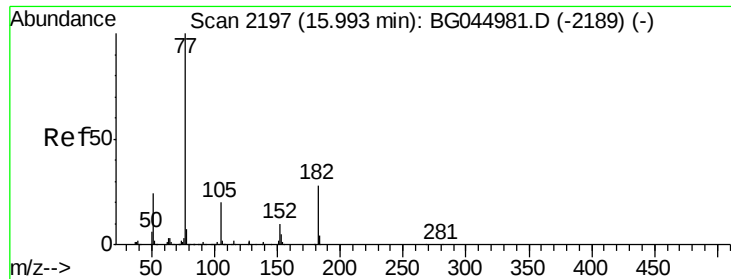
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.2  | 26.9  | 40.3  |
| 141     | 59.0  | 46.3  | 69.5  |



#62  
 4-Nitroaniline  
 Concen: 34.990 ng  
 RT: 15.71 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 58.5  | 33.6  | 73.6  |
| 108     | 108.0 | 78.2  | 118.2 |

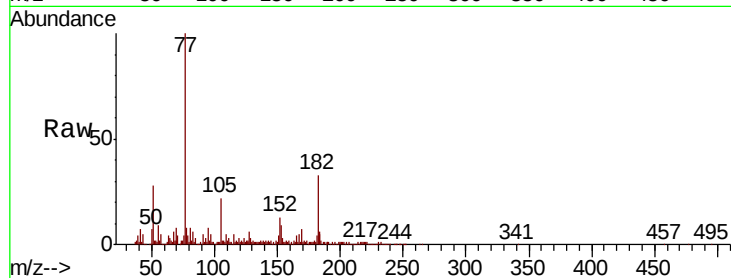




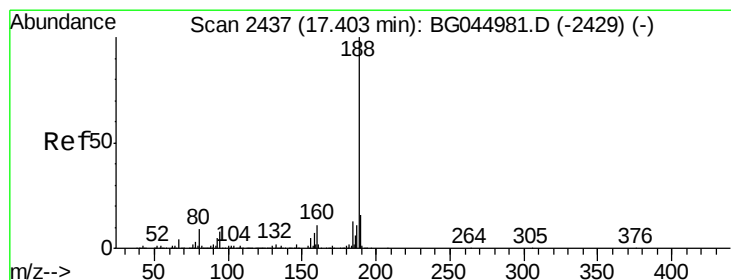
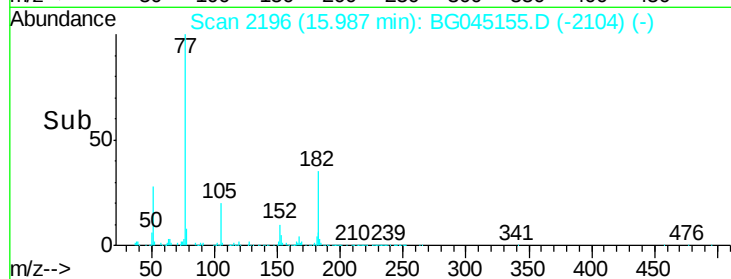
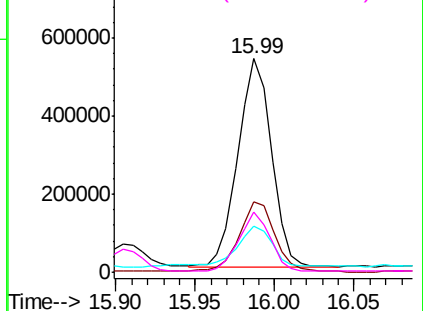
#63  
Azobenzene  
Concen: 52.944 ng  
RT: 15.99 min Scan# 2196  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 781785 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 33.3  | 8.4   | 48.4   |
| 105      | 21.8  | 0.5   | 40.5   |
| 51       | 28.0  | 4.4   | 44.4   |

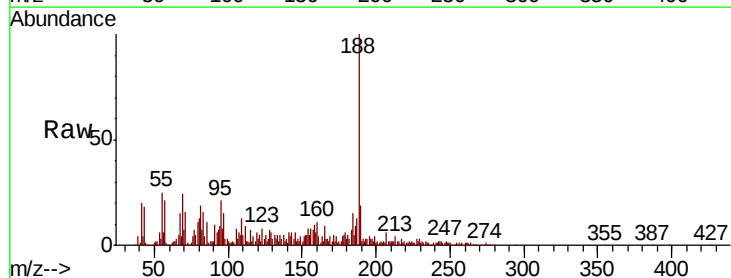


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

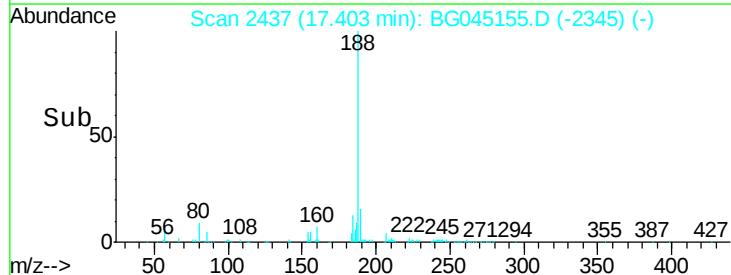
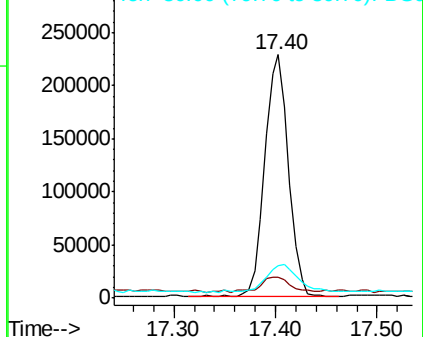


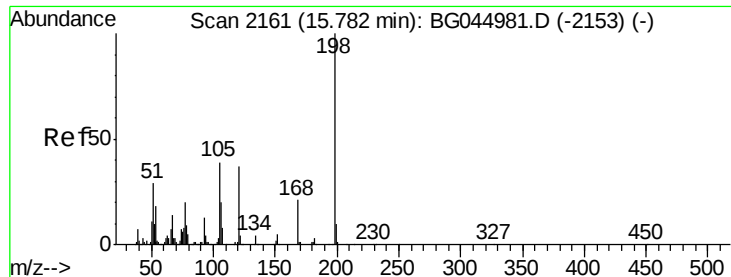
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.40 min Scan# 2437  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 370213 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.5   | 6.2   | 9.4    |
| 80       | 13.5  | 7.0   | 10.6   |



Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 41.476 ng

RT: 15.78 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

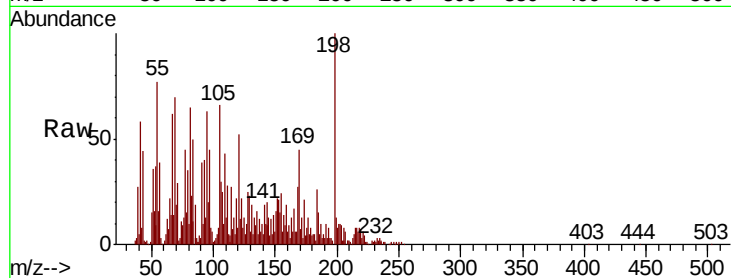
Tot Ion:198 Resp: 100928

Ion Ratio Lower Upper

198 100

51 35.8 10.0 50.0

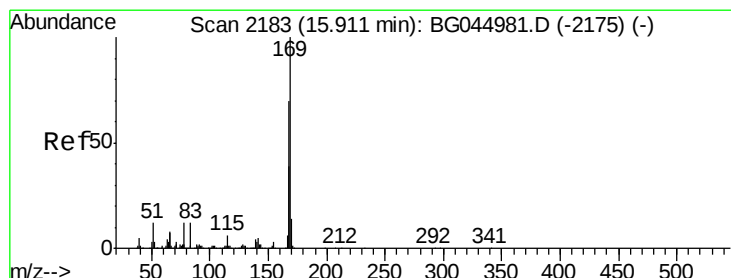
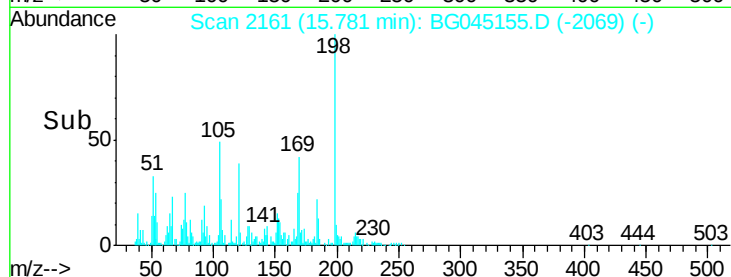
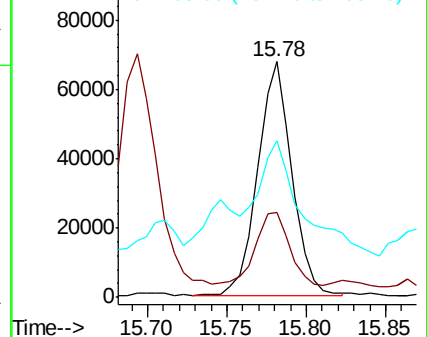
105 66.4 18.9 58.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 78.038 ng

RT: 15.90 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

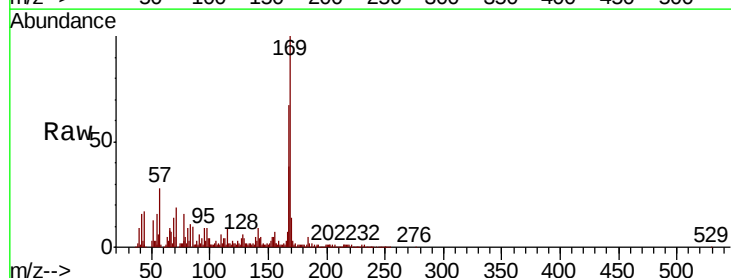
Tgt Ion:169 Resp: 830084

Ion Ratio Lower Upper

169 100

168 67.4 55.8 83.8

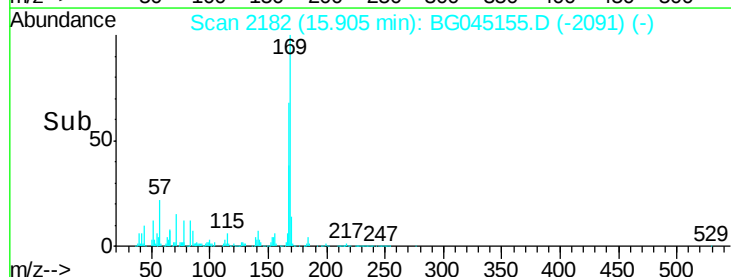
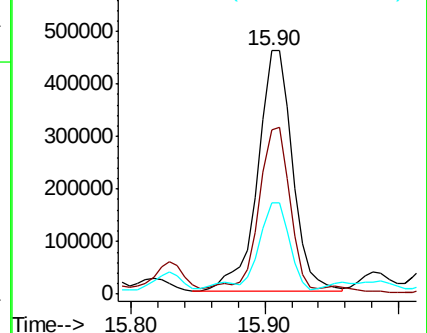
167 37.6 30.8 46.2

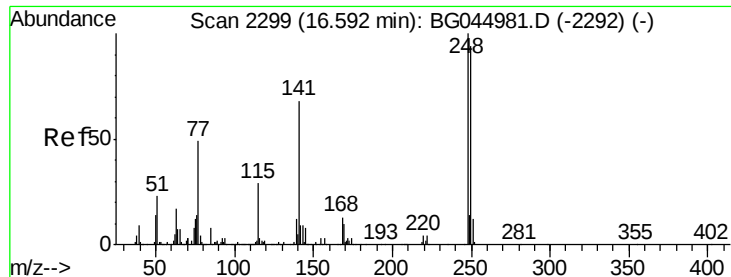


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

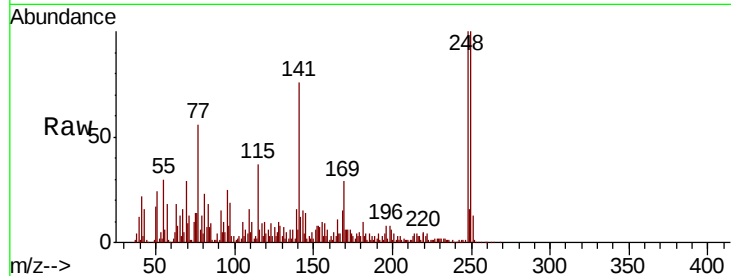




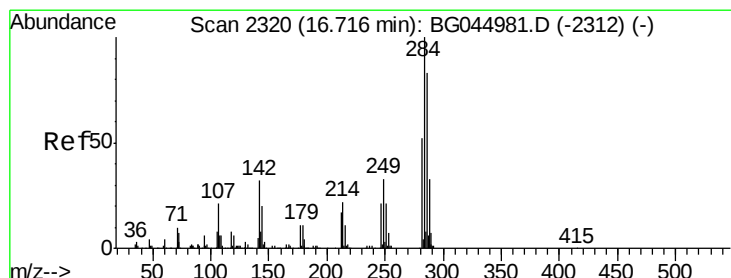
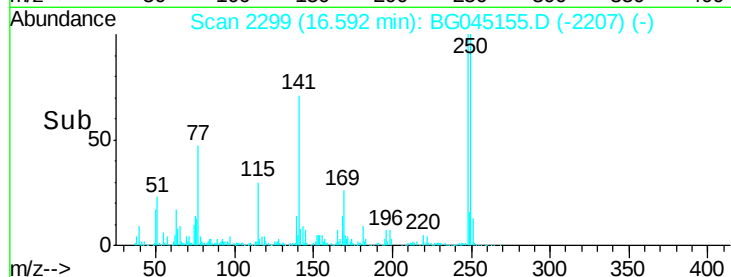
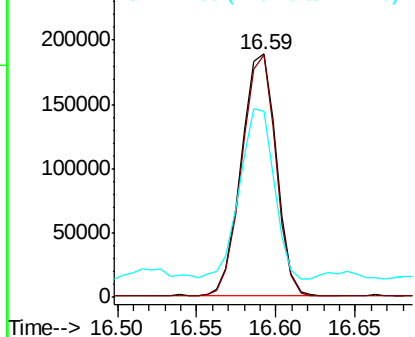
#67  
4-Bromophenyl-phenylether  
Concen: 60.453 ng  
RT: 16.59 min Scan# 2299  
Delta R.T. 0.01 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 288724  
Ion Ratio Lower Upper  
248 100  
250 99.8 75.4 113.2  
141 76.4 54.4 81.6

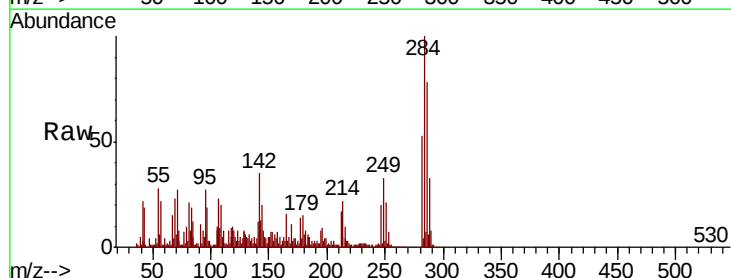


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

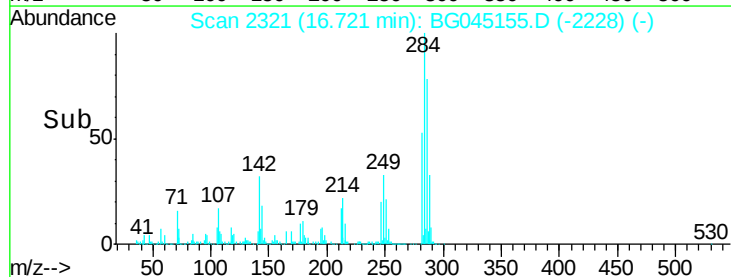
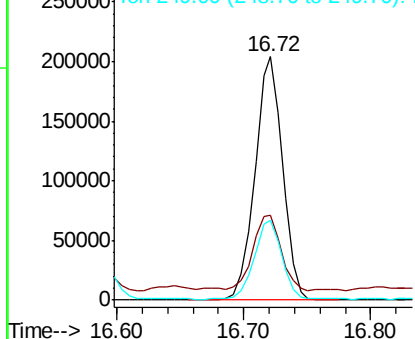


#68  
Hexachlorobenzene  
Concen: 62.281 ng  
RT: 16.72 min Scan# 2321  
Delta R.T. 0.02 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Tgt Ion:284 Resp: 308498  
Ion Ratio Lower Upper  
284 100  
142 34.7 25.8 38.6  
249 32.9 26.6 39.8



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

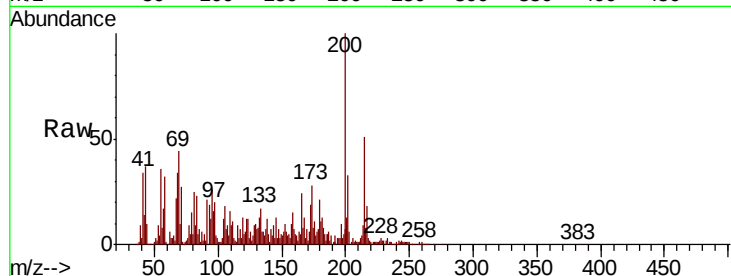




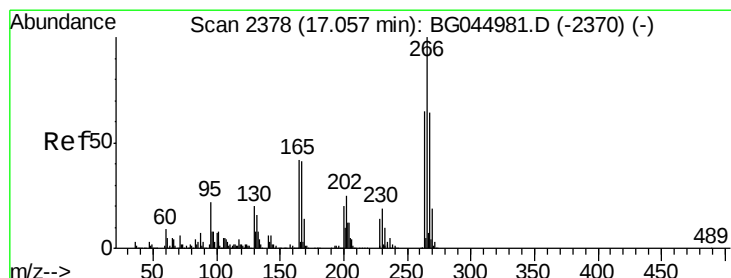
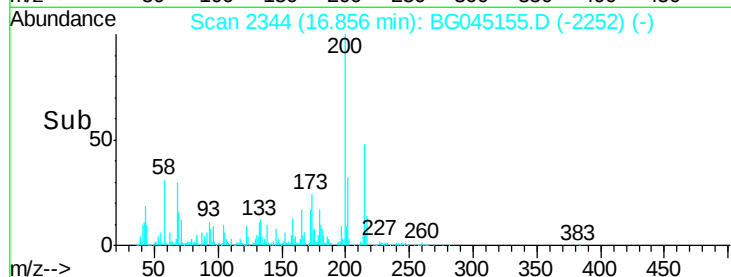
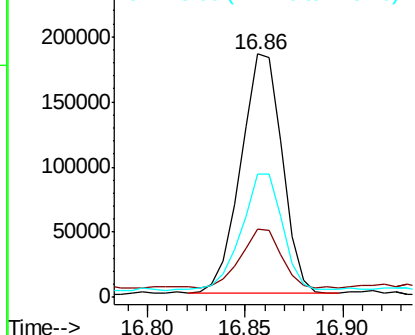
#69  
 Atrazine  
 Concen: 72.304 ng  
 RT: 16.86 min Scan# 2344  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.9  | 4.5   | 44.5  |
| 215     | 50.8  | 30.0  | 70.0  |

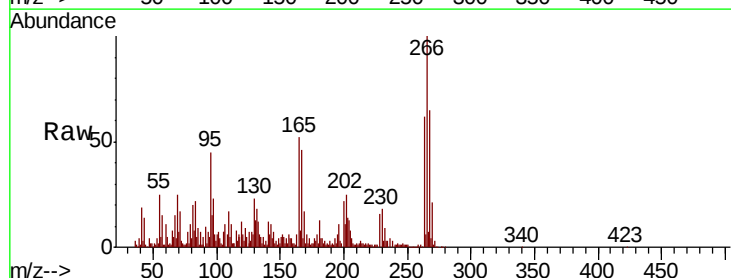


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

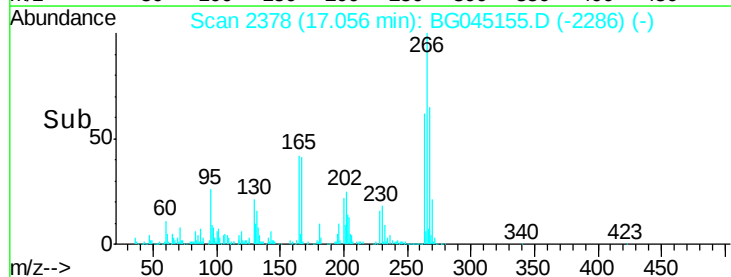
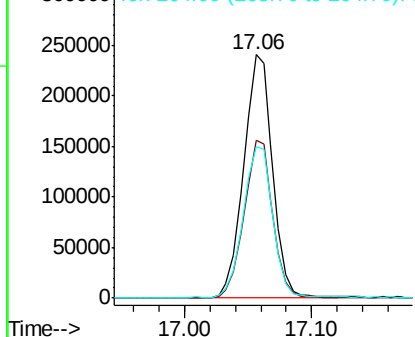


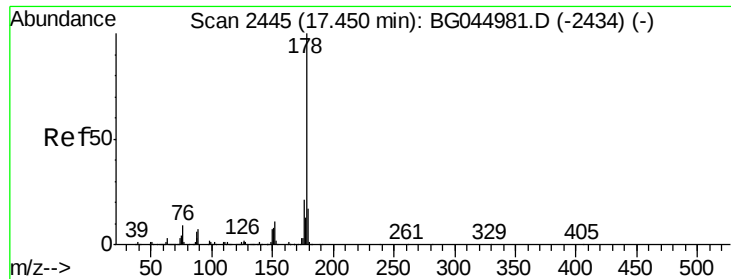
#70  
 Pentachlorophenol  
 Concen: 124.380 ng  
 RT: 17.06 min Scan# 2378  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.6  | 51.5  | 77.3  |
| 264     | 62.3  | 52.2  | 78.4  |



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





#71

Phenanthrene

Concen: 67.514 ng

RT: 17.44 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

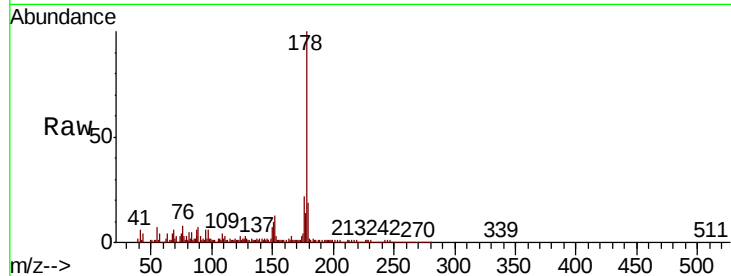
Tot Ion:178 Resp: 1284408

Ion Ratio Lower Upper

178 100

176 21.8 16.8 25.2

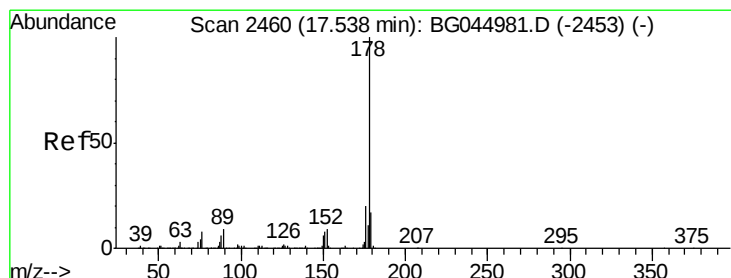
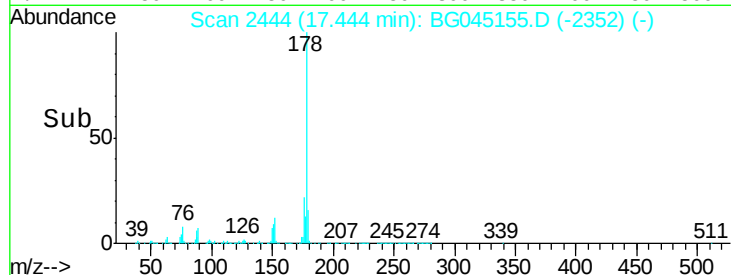
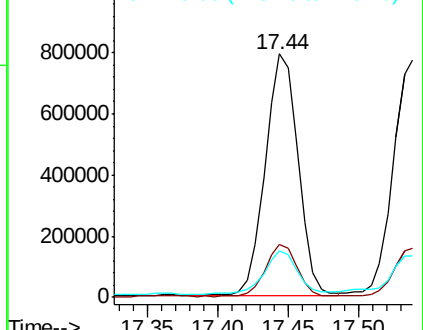
179 19.2 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 62.493 ng

RT: 17.54 min Scan# 2460

Delta R.T. 0.02 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

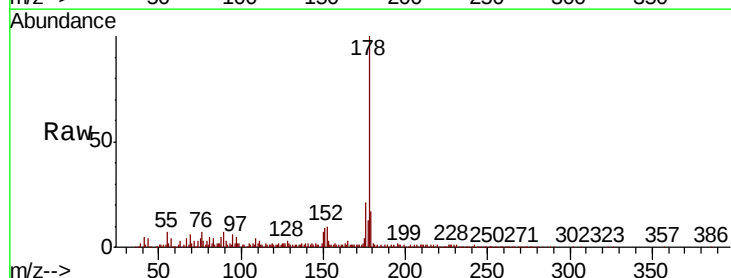
Tgt Ion:178 Resp: 1192573

Ion Ratio Lower Upper

178 100

176 20.8 16.0 24.0

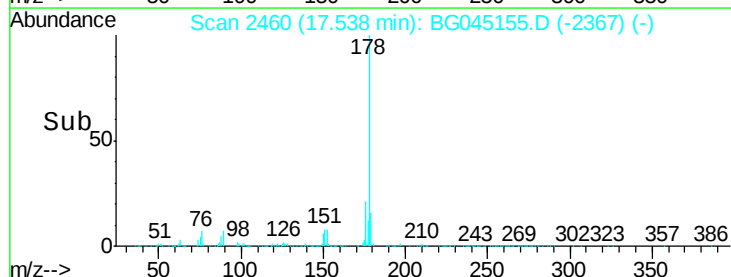
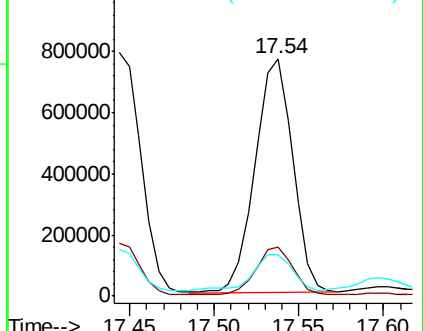
179 17.5 13.6 20.4

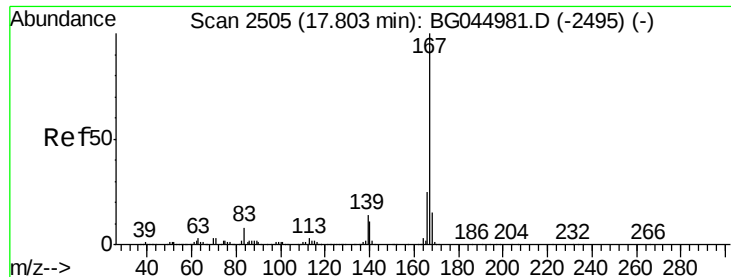


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 54.271 ng

RT: 17.80 min Scan# 2505

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

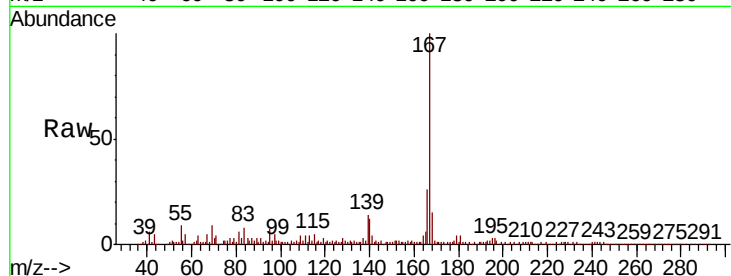
Tot Ion:167 Resp: 1051003

Ion Ratio Lower Upper

167 100

166 26.0 19.8 29.6

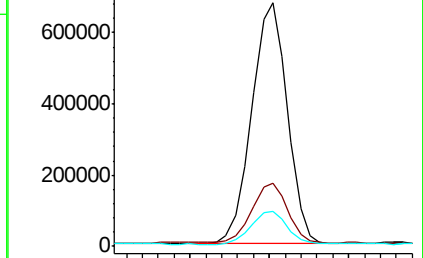
139 14.3 10.9 16.3



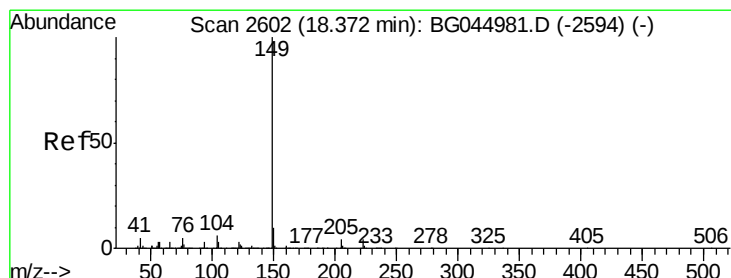
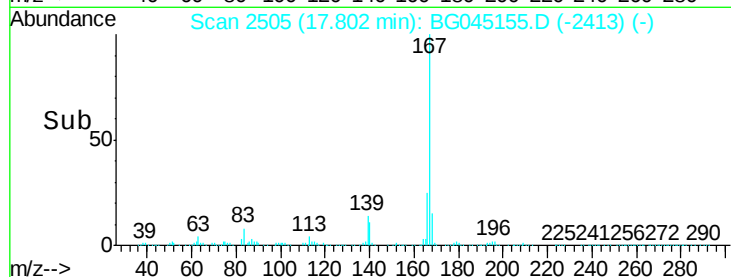
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Di-n-butylphthalate

Concen: 59.683 ng

RT: 18.36 min Scan# 2600

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

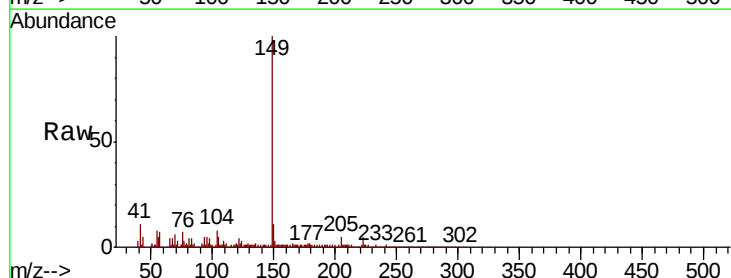
Tgt Ion:149 Resp: 1216403

Ion Ratio Lower Upper

149 100

150 10.8 8.2 12.2

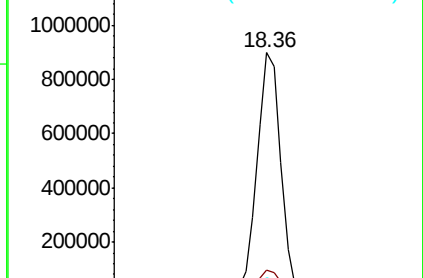
104 7.8 4.8 7.2#



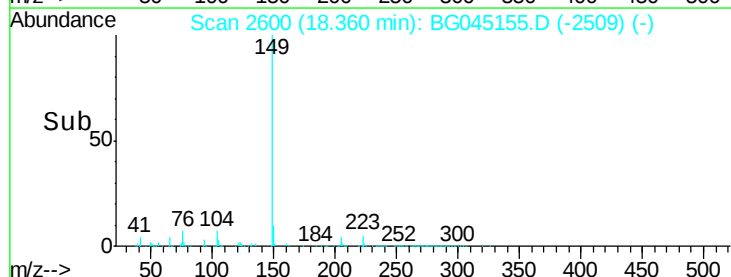
Abundance Ion 149.00 (148.70 to 149.70): E

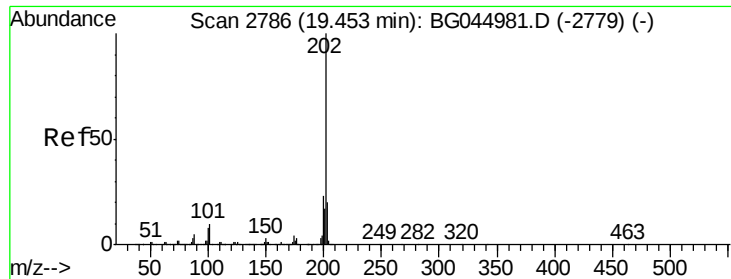
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

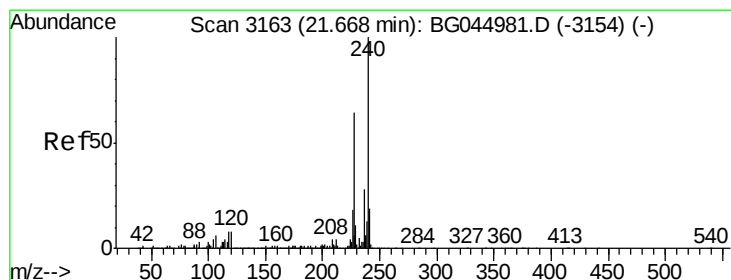
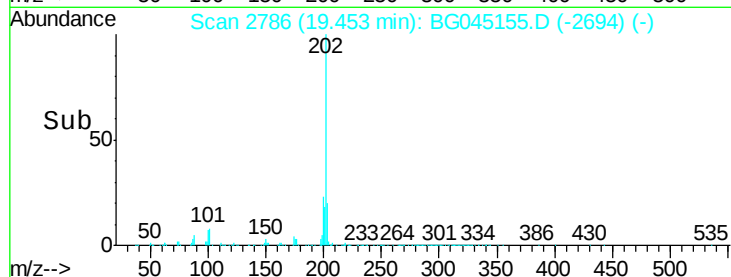
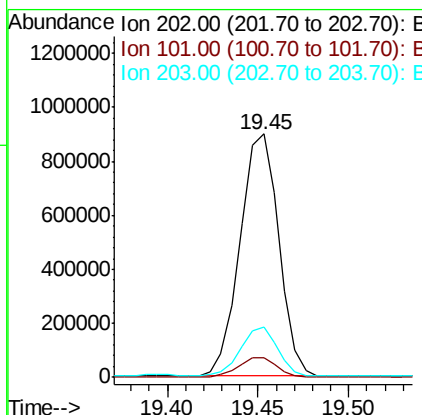
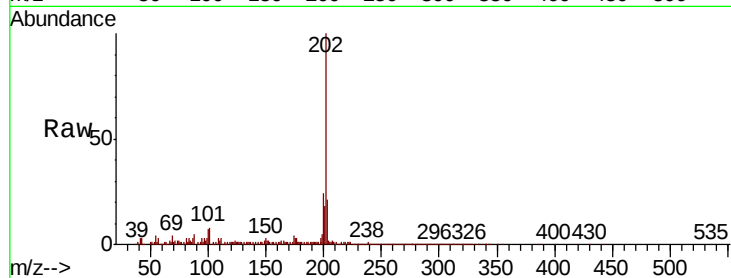




#75  
 Fluoranthene  
 Concen: 62.312 ng  
 RT: 19.45 min Scan# 2786  
 Delta R.T. 0.01 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

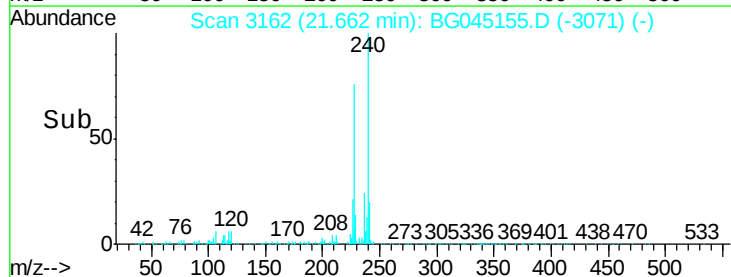
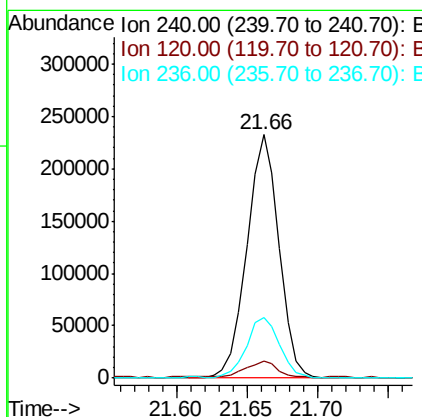
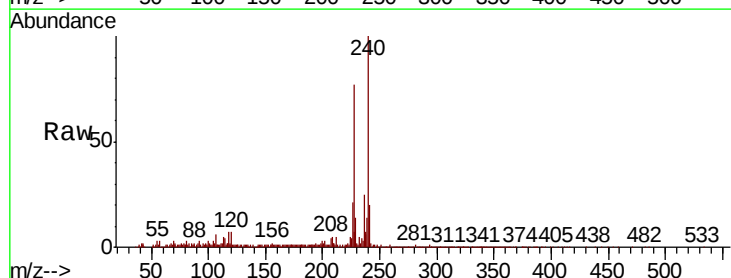
Instrument :  
 BNA\_G  
 ClientSampleId :

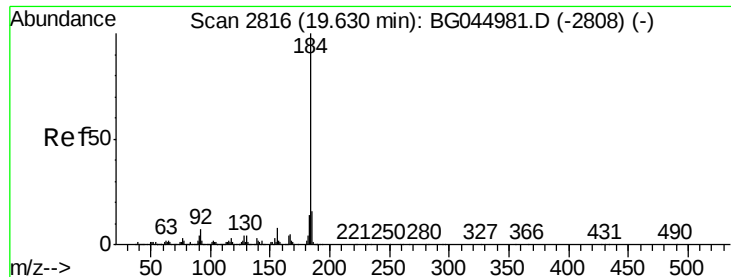
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.0   | 0.0   | 29.6  |
| 203     | 20.9  | 0.0   | 39.7  |



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.66 min Scan# 3162  
 Delta R.T. 0.00 min  
 Lab File: BG045155.D  
 Acq: 23 Apr 2020 23:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.0   | 6.6   | 10.0  |
| 236     | 24.7  | 22.2  | 33.2  |





#77

Benzidine

Concen: 66.865 ng

RT: 19.62 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

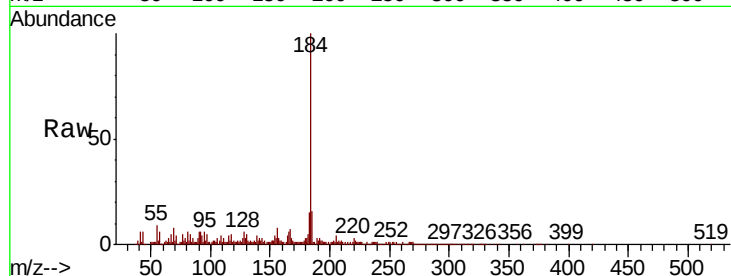
Tot Ion:184 Resp: 682743

Ion Ratio Lower Upper

184 100

185 15.8 12.6 19.0

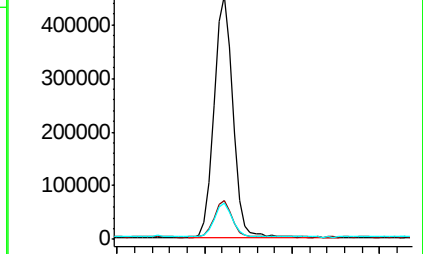
183 15.0 11.3 16.9



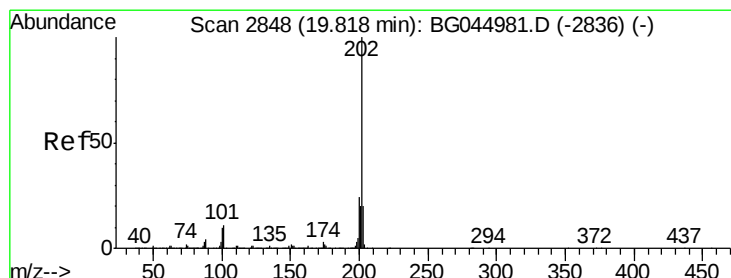
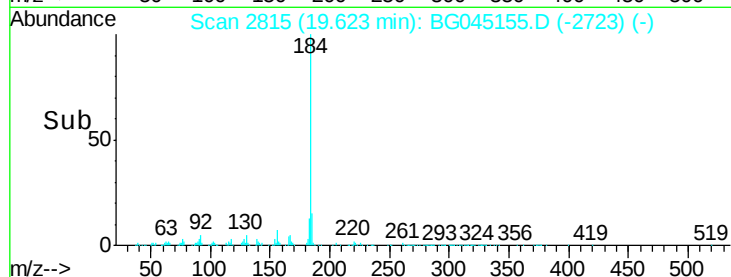
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.50 19.60 19.70 19.80



#78

Pyrene

Concen: 54.689 ng

RT: 19.81 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

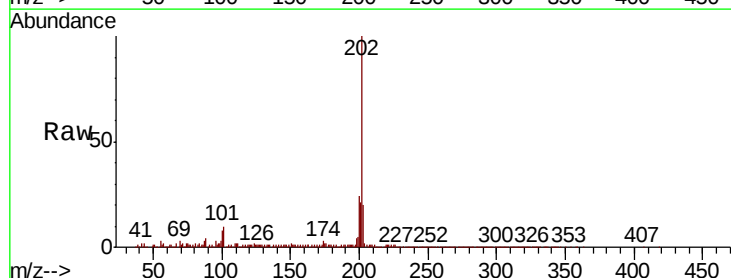
Tgt Ion:202 Resp: 1389273

Ion Ratio Lower Upper

202 100

200 24.3 19.0 28.6

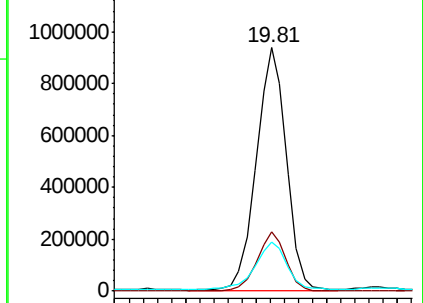
203 20.4 16.1 24.1



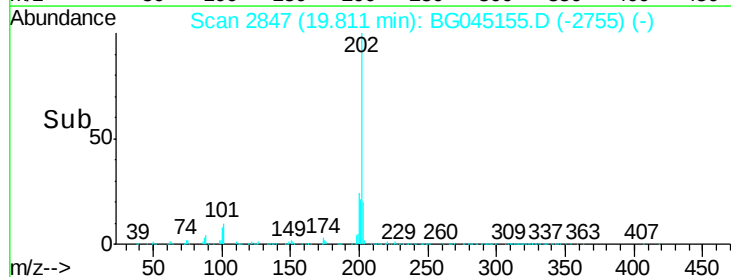
Abundance Ion 202.00 (201.70 to 202.70): E

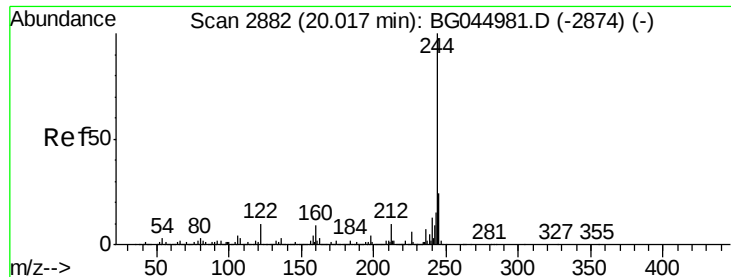
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.70 19.75 19.80 19.85





#79

Terphenyl-d14

Concen: 95.585 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

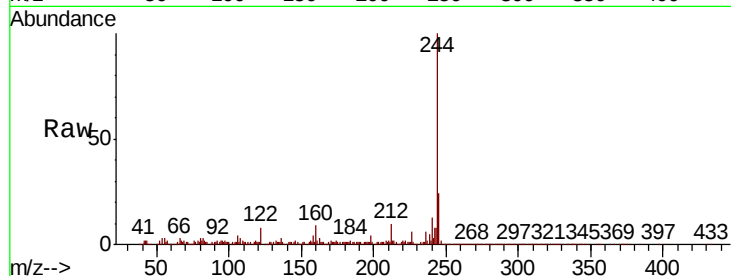
Tot Ion:244 Resp: 1615974

Ion Ratio Lower Upper

244 100

212 9.8 7.9 11.9

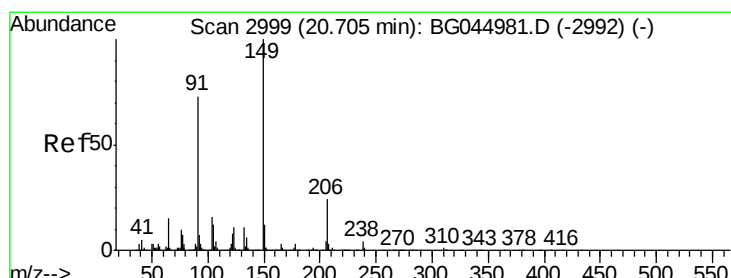
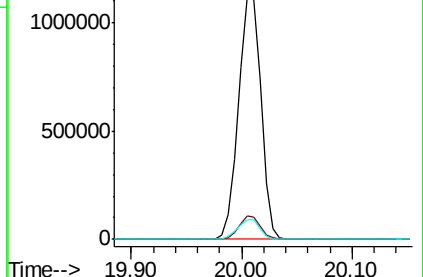
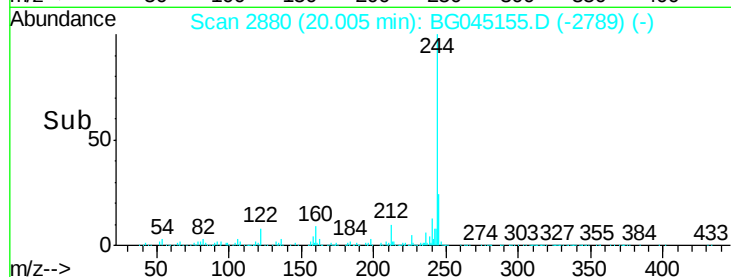
122 8.3 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 53.043 ng

RT: 20.69 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

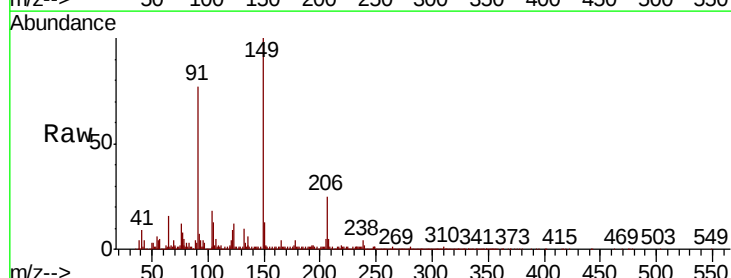
Tgt Ion:149 Resp: 558532

Ion Ratio Lower Upper

149 100

91 76.7 58.5 87.7

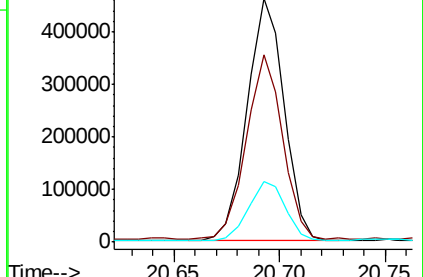
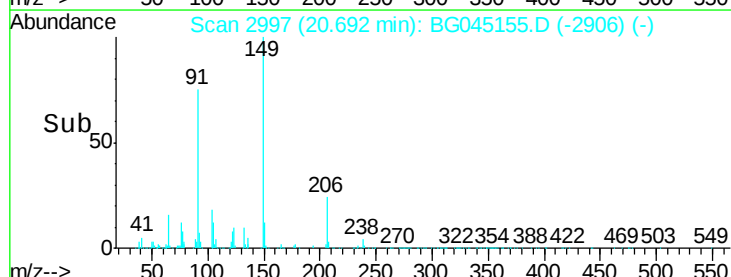
206 24.9 19.2 28.8

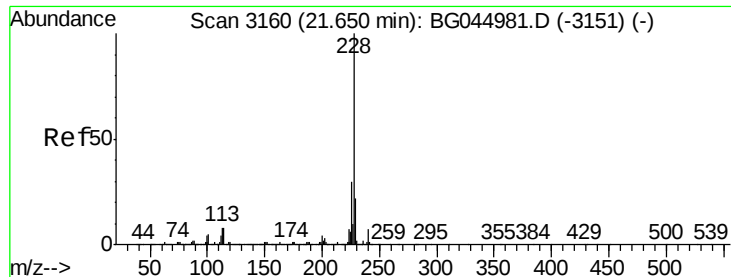


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 58.951 ng

RT: 21.64 min Scan# 3159

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

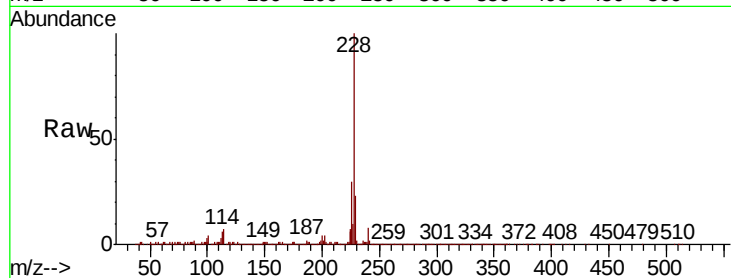
Tot Ion:228 Resp: 1407894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.0  | 24.0  | 36.0  |
| 229 | 22.5  | 17.5  | 26.3  |

228 100

226 30.0 24.0 36.0

229 22.5 17.5 26.3

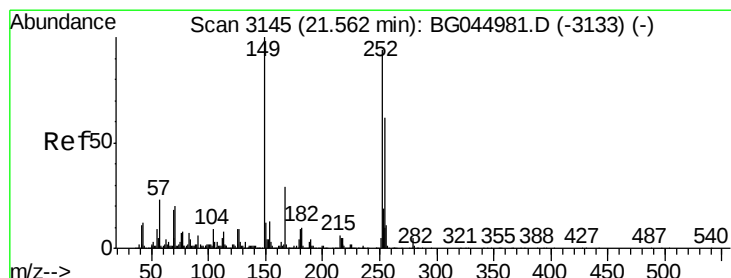
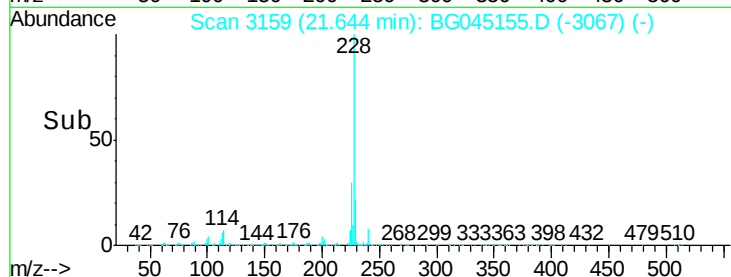
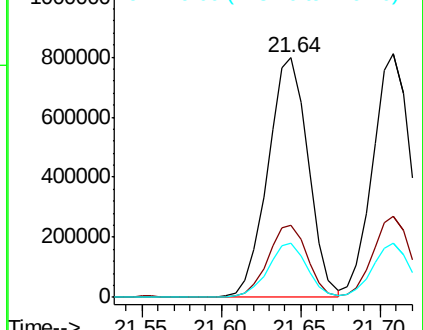


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.371 ng

RT: 21.56 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

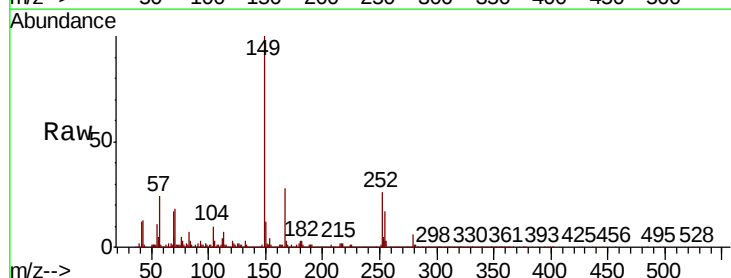
Tgt Ion:252 Resp: 231668

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 64.8  | 52.6  | 79.0  |
| 126 | 6.9   | 7.5   | 11.3  |

252 100

254 64.8 52.6 79.0

126 6.9 7.5 11.3

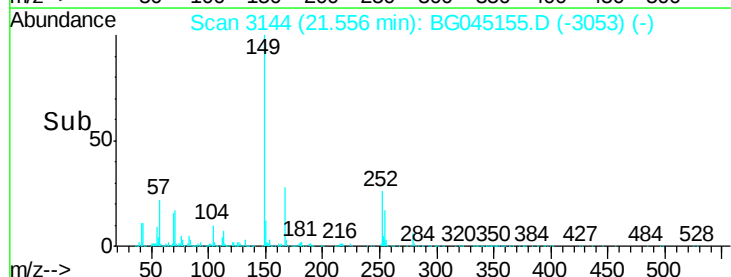
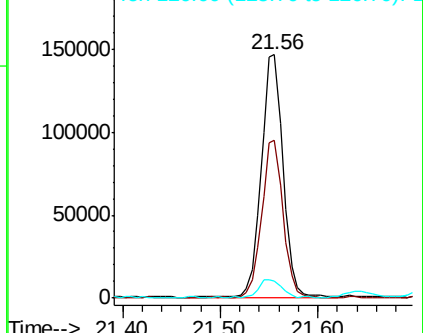


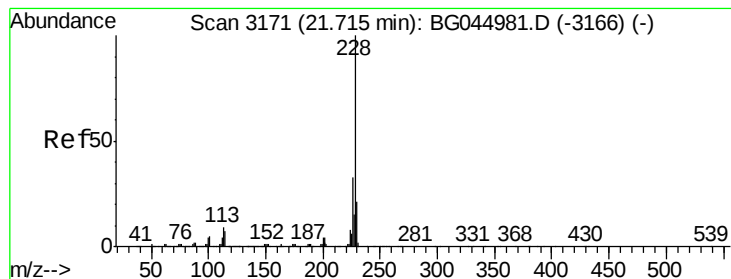
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 58.283 ng

RT: 21.71 min Scan# 3170

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

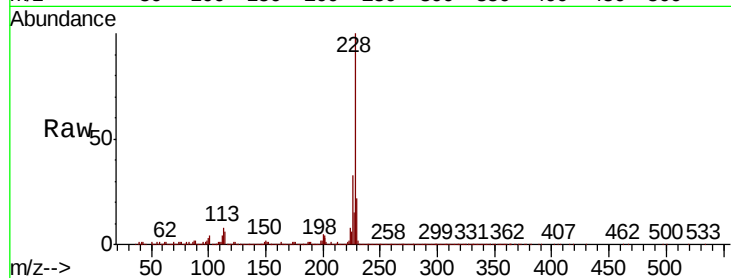
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:228 Resp: 1337409

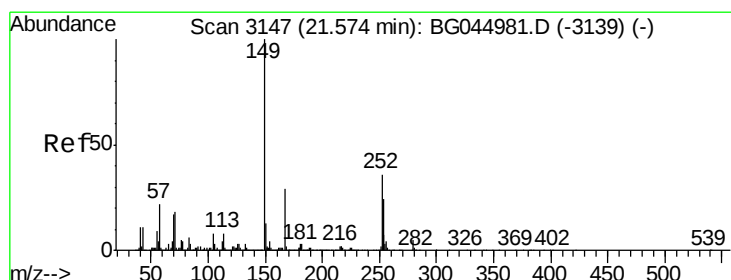
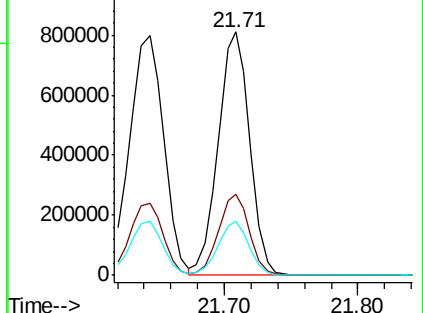
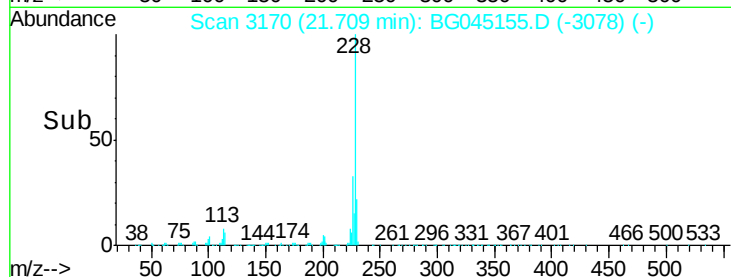
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 33.5  | 26.2  | 39.4  |
| 229 | 22.1  | 17.0  | 25.6  |



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.335 ng

RT: 21.56 min Scan# 3144

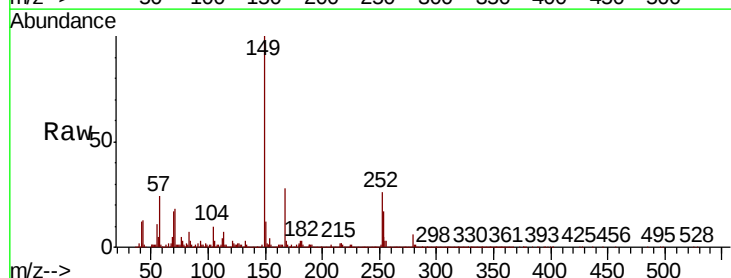
Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Tgt Ion:149 Resp: 815861

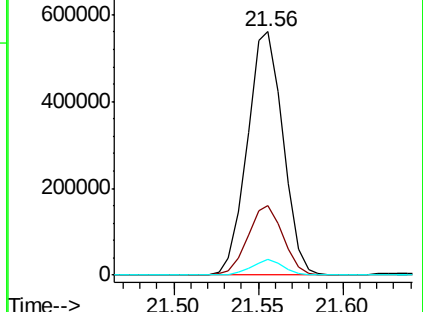
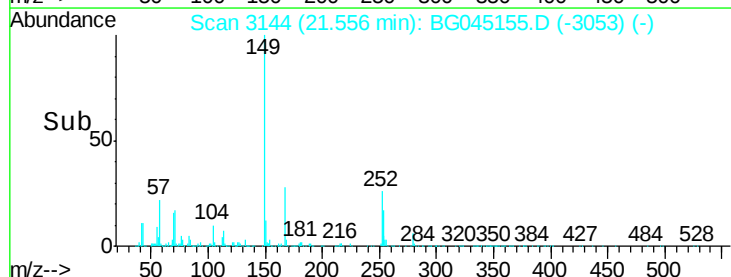
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.4  | 23.4  | 35.0  |
| 279 | 6.4   | 4.3   | 6.5   |

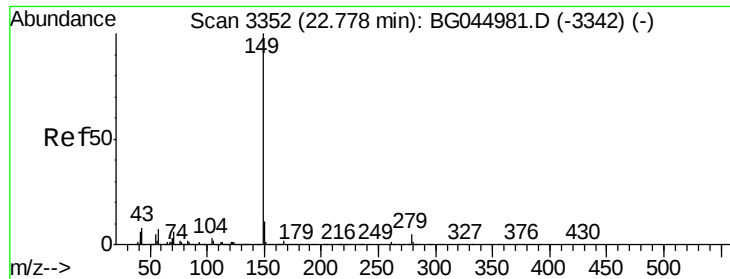


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 56.762 ng

RT: 22.75 min Scan# 3348

Delta R.T. -0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampled :

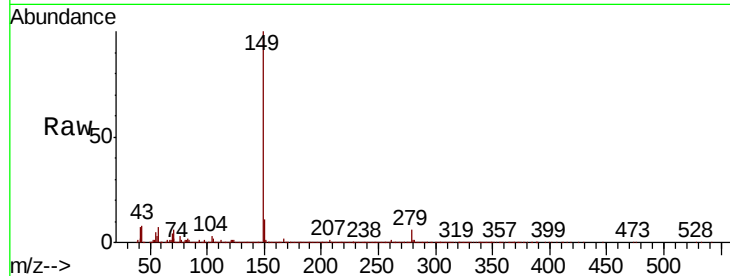
Tot Ion:149 Resp: 1421528

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.2

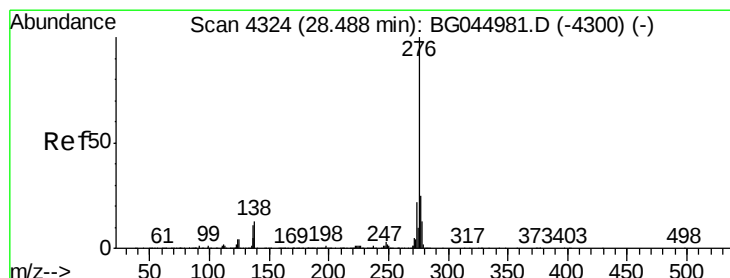
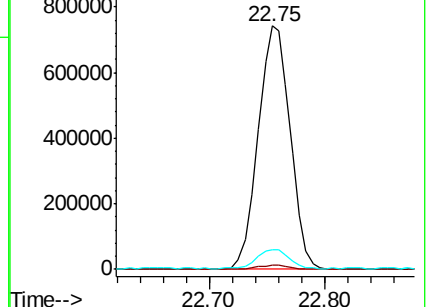
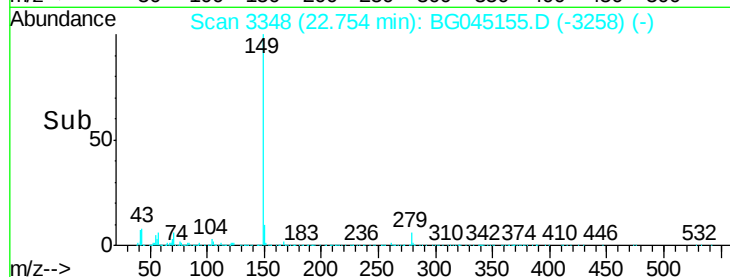
43 7.7 5.7 8.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 59.120 ng

RT: 28.47 min Scan# 4321

Delta R.T. 0.02 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

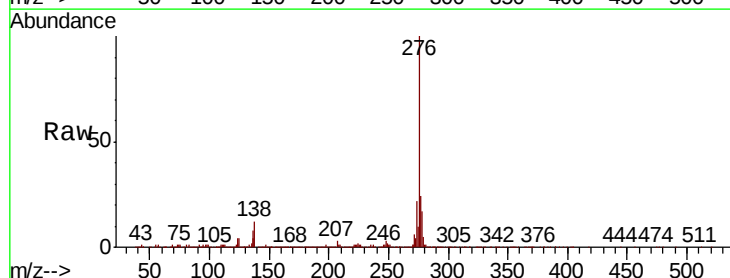
Tgt Ion:276 Resp: 1801159

Ion Ratio Lower Upper

276 100

138 8.6 9.6 14.4#

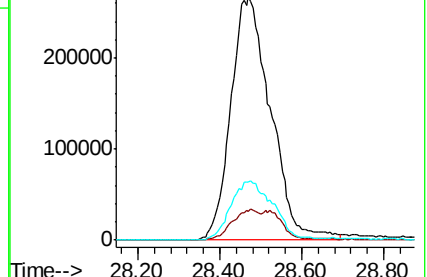
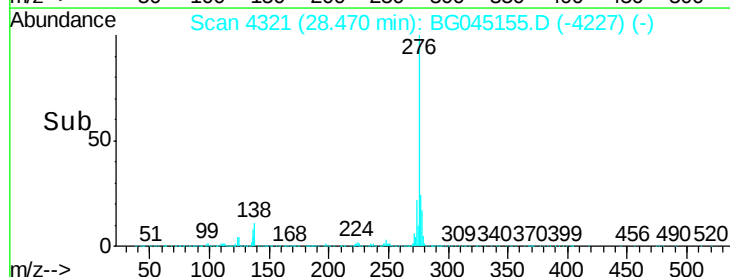
277 25.2 20.6 31.0

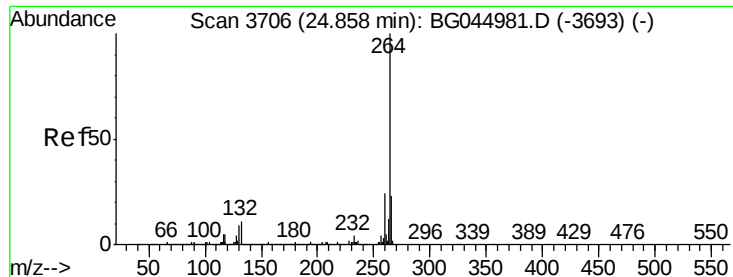


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3703

Delta R.T. 0.00 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

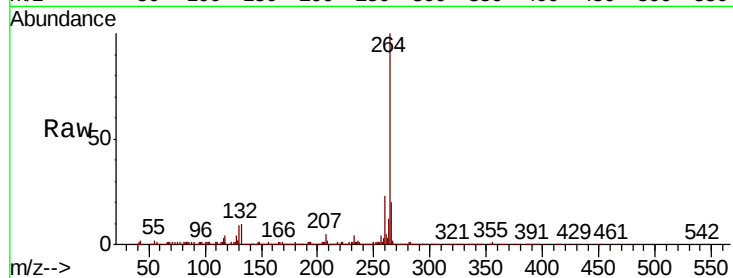
Tot Ion:264 Resp: 422405

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

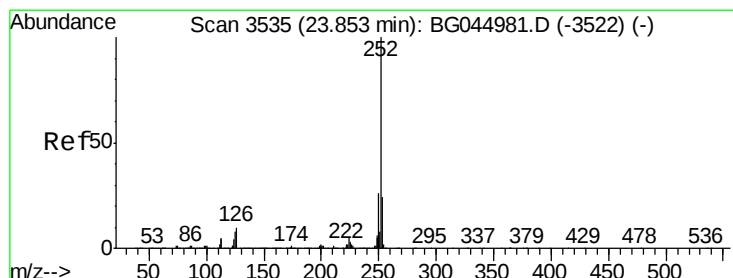
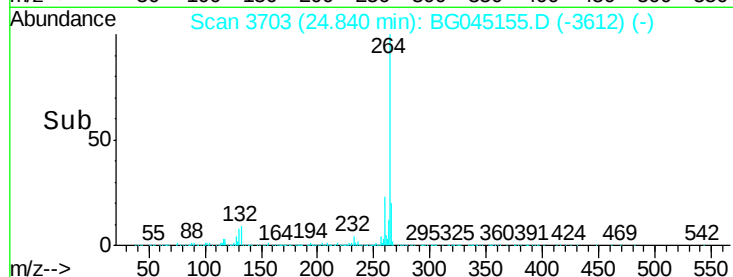
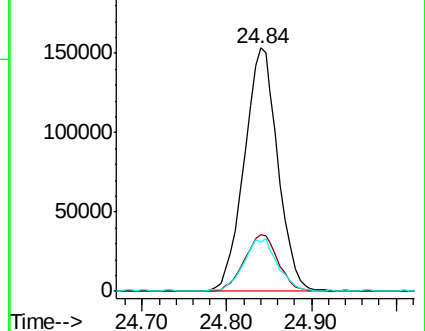
265 20.4 19.0 28.4



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



#88

Benzo(b)fluoranthene

Concen: 58.136 ng

RT: 23.84 min Scan# 3533

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

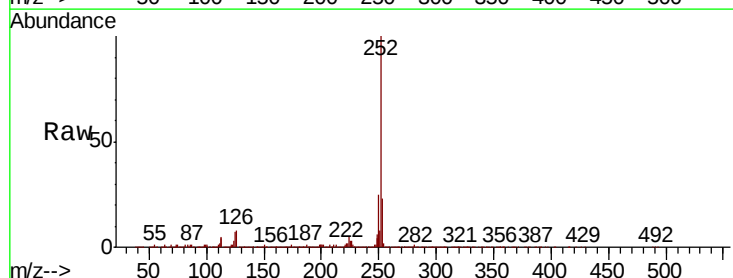
Tgt Ion:252 Resp: 1538237

Ion Ratio Lower Upper

252 100

253 23.2 18.8 28.2

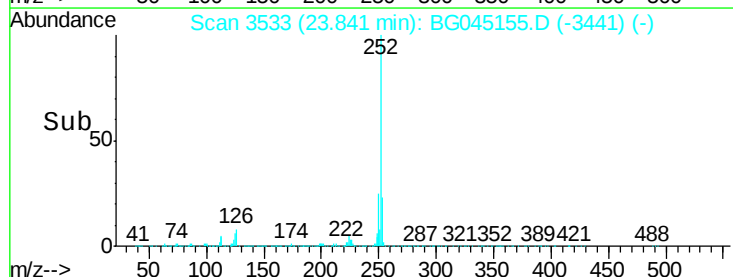
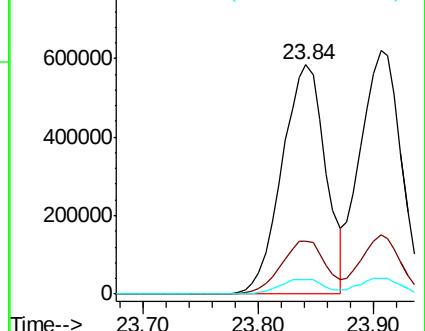
125 6.6 6.2 9.4

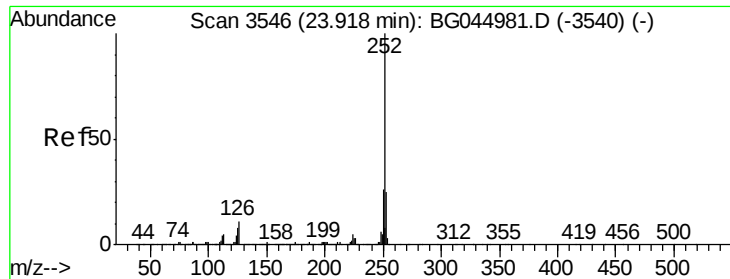


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 60.479 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.01 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

Instrument :

BNA\_G

ClientSampleId :

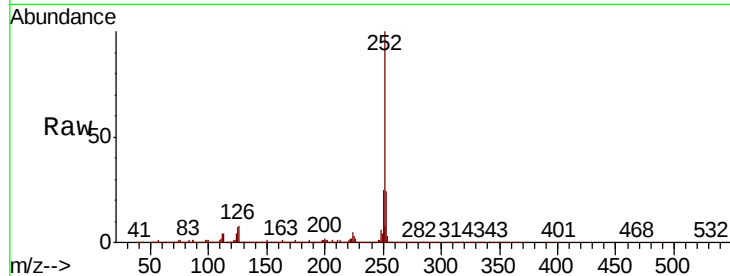
Tot Ion:252 Resp: 1521821

Ion Ratio Lower Upper

252 100

253 24.1 19.2 28.8

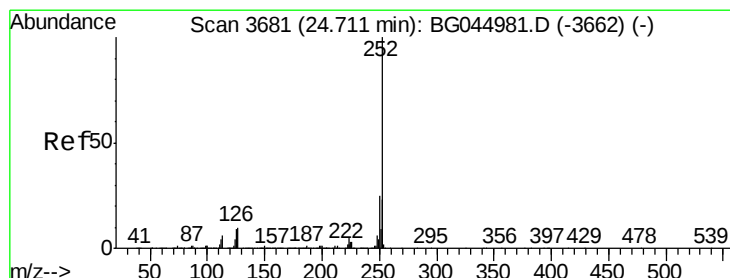
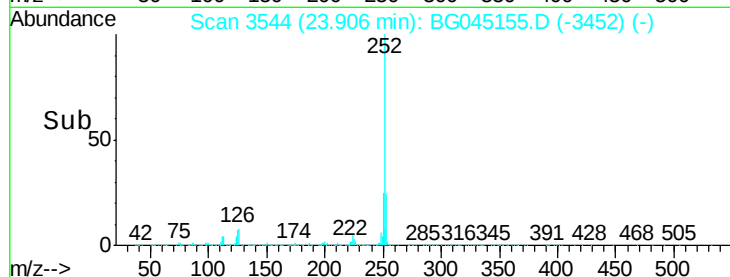
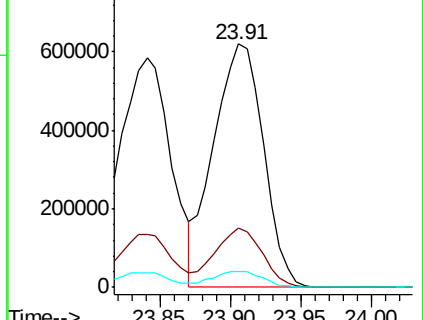
125 6.7 5.9 8.9



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



#90

Benzo(a)pyrene

Concen: 57.719 ng

RT: 24.70 min Scan# 3679

Delta R.T. 0.02 min

Lab File: BG045155.D

Acq: 23 Apr 2020 23:48

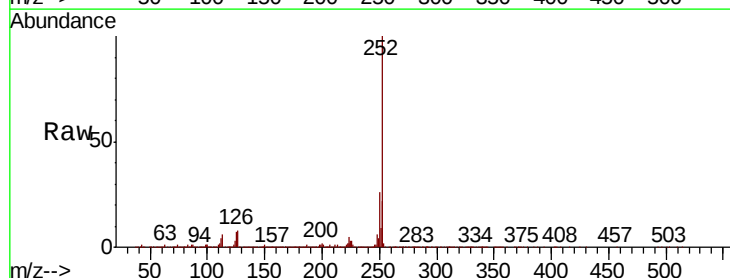
Tgt Ion:252 Resp: 1441911

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

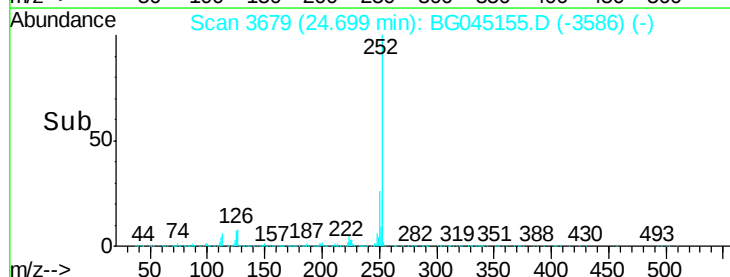
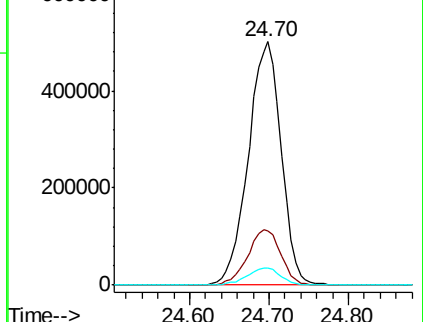
125 7.0 7.0 10.6#



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



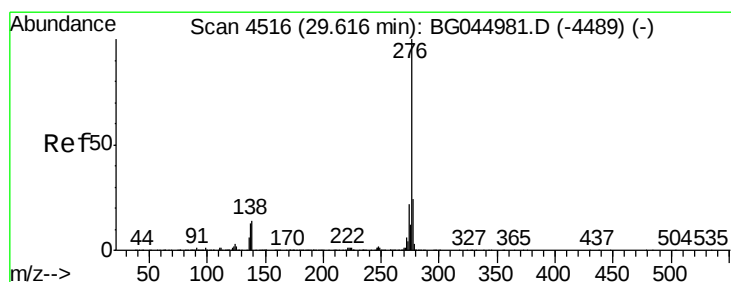
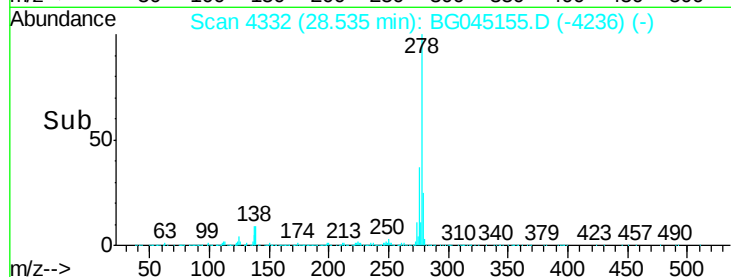
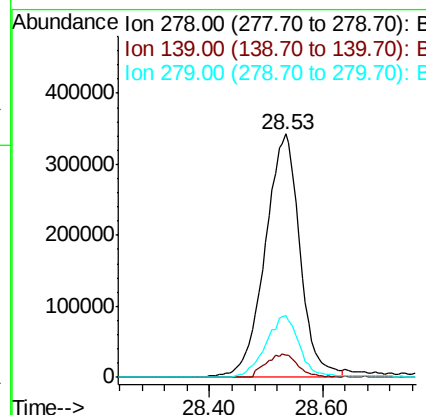
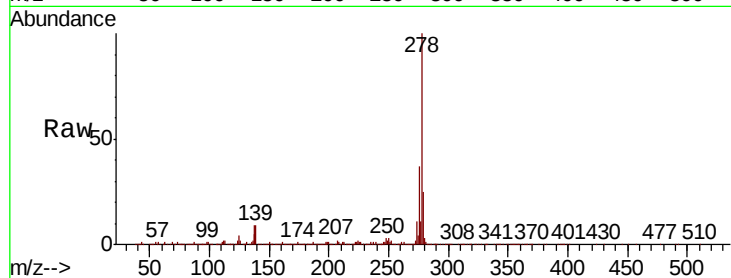


#91  
Dibenzo(a,h)anthracene  
Concen: 58.200 ng  
RT: 28.53 min Scan# 4332  
Delta R.T. 0.03 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:278 Resp: 1465043  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 9.1   | 9.0   | 13.6  |
| 279 | 25.2  | 18.4  | 27.6  |



#92  
Benzo(g,h,i)perylene  
Concen: 53.354 ng  
RT: 29.60 min Scan# 4513  
Delta R.T. 0.03 min  
Lab File: BG045155.D  
Acq: 23 Apr 2020 23:48

Tgt Ion:276 Resp: 1346492  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 25.3  | 19.3  | 28.9  |
| 138 | 12.6  | 11.4  | 17.2  |

