

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\  
 Data File : BG033411.D  
 Acq On : 29 Mar 2018 8:13  
 Operator : SJ/JU  
 Sample : J1749-06MSD  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 29 11:41:04 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.86  | 152  | 43001    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 11.75 | 136  | 173626   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.48 | 164  | 130923   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.22 | 188  | 330634   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.56 | 240  | 338013   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.34 | 264  | 370923   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 6.30  | 112  | 359893   | 156.94 | ng    | 0.00     |
| 7) Phenol-d6                | 7.99  | 99   | 525707   | 133.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.07 | 82   | 377274   | 99.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.97 | 330  | 298963   | 152.68 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.12 | 172  | 912533   | 100.62 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.74 | 244  | 1624441  | 102.78 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.94  | 88   | 41576    | 35.700 | ng    | # 88   |
| 3) Pyridine                    | 4.40  | 79   | 112049   | 34.805 | ng    | 95     |
| 4) n-Nitrosodimethylamine      | 4.30  | 42   | 68511    | 51.857 | ng    | # 76   |
| 6) Aniline                     | 8.16  | 93   | 47174    | 10.181 | ng    | # 96   |
| 8) 2-Chlorophenol              | 8.42  | 128  | 136739   | 52.157 | ng    | 96     |
| 9) Benzaldehyde                | 7.96  | 77   | 72024    | 28.763 | ng    | 93     |
| 10) Phenol                     | 8.02  | 94   | 173089   | 44.493 | ng    | 92     |
| 11) bis(2-Chloroethyl)ether    | 8.25  | 93   | 134423   | 42.333 | ng    | 99     |
| 12) 1,3-Dichlorobenzene        | 8.75  | 146  | 144964   | 42.294 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 8.90  | 146  | 146530   | 42.687 | ng    | 92     |
| 14) 1,2-Dichlorobenzene        | 9.23  | 146  | 141999   | 42.385 | ng    | 92     |
| 15) Benzyl Alcohol             | 9.10  | 79   | 150435   | 48.492 | ng    | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.39  | 45   | 219896   | 42.480 | ng    | 89     |
| 17) 2-Methylphenol             | 9.31  | 107  | 131698   | 49.694 | ng    | # 93   |
| 18) Hexachloroethane           | 9.99  | 117  | 59187    | 44.675 | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 9.67  | 70   | 125792   | 43.568 | ng    | 98     |
| 20) 3+4-Methylphenols          | 9.64  | 107  | 172549   | 45.729 | ng    | 88     |
| 22) Acetophenone               | 9.71  | 105  | 221664   | 46.600 | ng    | # 99   |
| 24) Nitrobenzene               | 10.11 | 77   | 188808   | 46.677 | ng    | 90     |
| 25) Isophorone                 | 10.63 | 82   | 354999   | 48.400 | ng    | 99     |
| 26) 2-Nitrophenol              | 10.84 | 139  | 79599    | 51.978 | ng    | # 89   |
| 27) 2,4-Dimethylphenol         | 10.87 | 122  | 138726   | 62.357 | ng    | 90     |
| 28) bis(2-Chloroethoxy)methane | 11.11 | 93   | 190044   | 51.930 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 11.39 | 162  | 159263   | 58.212 | ng    | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.60 | 180  | 160847   | 45.250 | ng    | 98     |
| 31) Naphthalene                | 11.80 | 128  | 428779   | 47.656 | ng    | 99     |
| 32) Benzoic acid               | 10.87 | 122  | 138726   | 67.080 | ng    | # 13   |
| 33) 4-Chloroaniline            | 11.91 | 127  | 27834    | 6.905  | ng    | # 92   |
| 34) Hexachlorobutadiene        | 12.06 | 225  | 119785   | 44.561 | ng    | 96     |
| 35) Caprolactam                | 12.66 | 113  | 43806    | 40.870 | ng    | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.97 | 107  | 195673   | 54.836 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 13.35 | 142  | 328140   | 46.988 | ng    | 90     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.70 | 216  | 220233   | 46.439 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 13.68 | 237  | 212693   | 76.506 | ng    | 91     |

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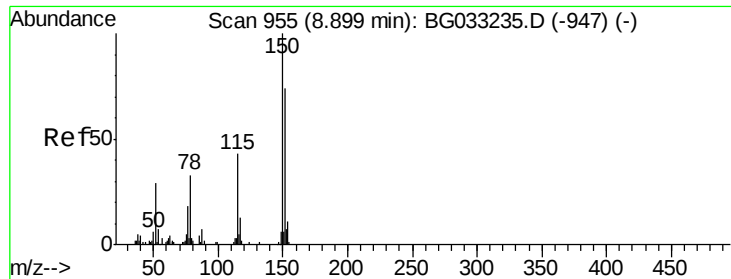
Instrument :  
 BNA\_G  
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|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.94 | 196  | 149372   | 54.212 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 14.02 | 196  | 168110   | 51.618 | nq    | 99       |
| 45) 1,1'-Biphenyl              | 14.33 | 154  | 468140   | 46.542 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.38 | 162  | 358148   | 46.179 | nq    | 97       |
| 47) 2-Nitroaniline             | 14.57 | 65   | 145476   | 50.079 | nq    | 97       |
| 48) Acenaphthylene             | 15.21 | 152  | 587069   | 45.349 | nq    | 99       |
| 49) Dimethylphthalate          | 14.91 | 163  | 534165   | 46.882 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 15.04 | 165  | 118586   | 50.901 | nq    | 99       |
| 51) Acenaphthene               | 15.55 | 154  | 362896   | 43.485 | nq    | 97       |
| 52) 3-Nitroaniline             | 15.39 | 138  | 38279    | 15.672 | nq    | # 95     |
| 53) 2,4-Dinitrophenol          | 15.59 | 184  | 14251    | 18.327 | nq    | 87       |
| 54) Dibenzofuran               | 15.88 | 168  | 595340   | 48.296 | nq    | 92       |
| 55) 4-Nitrophenol              | 15.68 | 139  | 142806   | 83.148 | nq    | # 87     |
| 56) 2,4-Dinitrotoluene         | 15.82 | 165  | 170343   | 49.659 | nq    | 93       |
| 57) Fluorene                   | 16.52 | 166  | 498767   | 47.494 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.10 | 232  | 160560   | 52.368 | nq    | 92       |
| 59) Diethylphthalate           | 16.25 | 149  | 532093   | 48.094 | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.50 | 204  | 287318   | 47.594 | nq    | 97       |
| 61) 4-Nitroaniline             | 16.54 | 138  | 102017   | 41.245 | nq    | # 86     |
| 62) Azobenzene                 | 16.79 | 77   | 510577   | 47.640 | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 16.58 | 198  | 24740    | 12.508 | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 16.71 | 169  | 461912   | 48.936 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 17.39 | 248  | 193915   | 49.940 | nq    | 96       |
| 67) Hexachlorobenzene          | 17.52 | 284  | 196289   | 47.899 | nq    | 95       |
| 68) Atrazine                   | 17.63 | 200  | 192189   | 50.246 | nq    | 97       |
| 69) Pentachlorophenol          | 17.86 | 266  | 127788   | 45.433 | nq    | 97       |
| 70) Phenanthrene               | 18.26 | 178  | 821927   | 47.733 | nq    | 99       |
| 71) Anthracene                 | 18.35 | 178  | 859273   | 49.284 | nq    | 98       |
| 72) Carbazole                  | 18.61 | 167  | 722312   | 46.752 | nq    | 97       |
| 73) Di-n-butylphthalate        | 19.10 | 149  | 857190   | 47.666 | nq    | # 97     |
| 74) Fluoranthene               | 20.21 | 202  | 1015411  | 47.652 | nq    | 97       |
| 76) Benzidine                  | 20.37 | 184  | 81025    | 8.839  | nq    | 97       |
| 77) Pyrene                     | 20.57 | 202  | 1016998  | 45.113 | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.43 | 149  | 395486   | 47.540 | nq    | 93       |
| 80) Benzo(a)anthracene         | 22.54 | 228  | 1043888  | 48.500 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 22.43 | 252  | 124016   | 16.192 | nq    | # 96     |
| 82) Chrysene                   | 22.62 | 228  | 990079   | 47.521 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.36 | 149  | 532196   | 46.408 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.76 | 149  | 941163   | 53.601 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.71 | 276  | 1149357  | 51.024 | nq    | # 86     |
| 87) Benzo(b)fluoranthene       | 25.12 | 252  | 1042362  | 48.640 | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 25.20 | 252  | 1037524  | 47.870 | nq    | # 98     |
| 89) Benzo(a)pyrene             | 26.15 | 252  | 1017421  | 49.438 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 30.79 | 278  | 954536   | 49.240 | nq    | # 96     |
| 91) Benzo(g,h,i)perylene       | 32.09 | 276  | 918202   | 47.833 | nq    | # 95     |
| -----                          |       |      |          |        |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.02 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

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BNA\_G

ClientSampleId :

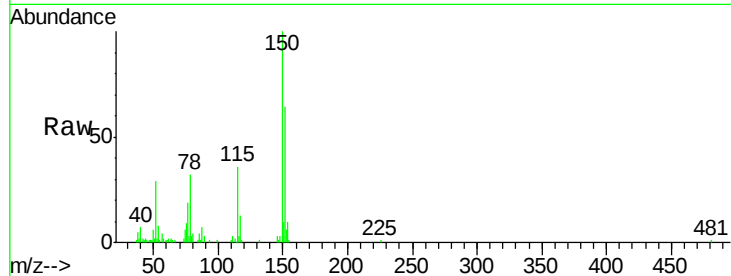
Tot Ion:152 Resp: 43001

Ion Ratio Lower Upper

152 100

150 155.3 126.6 189.8

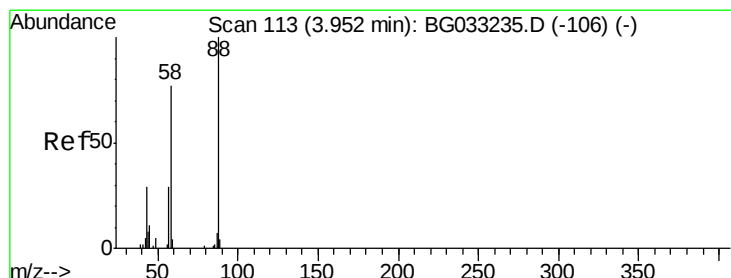
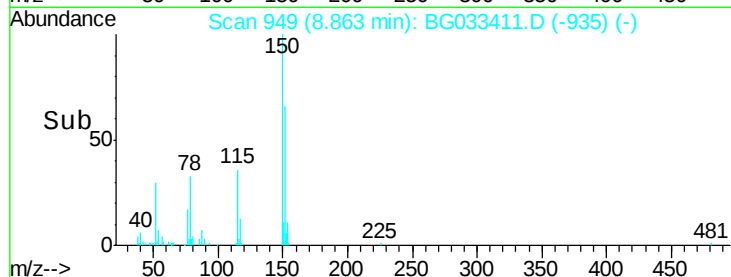
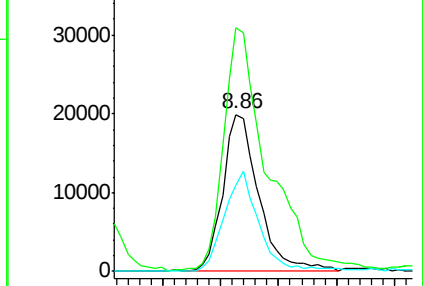
115 55.3 53.0 79.4



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: 35.700 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

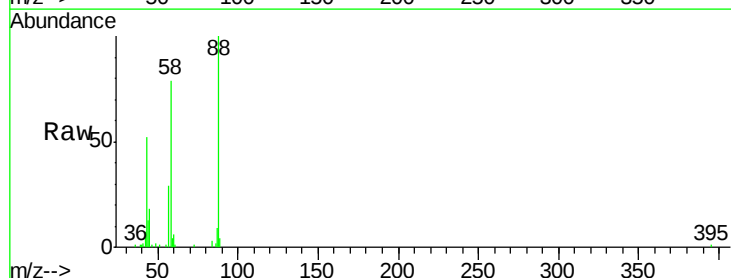
Tgt Ion: 88 Resp: 41576

Ion Ratio Lower Upper

88 100

58 91.9 79.6 119.4

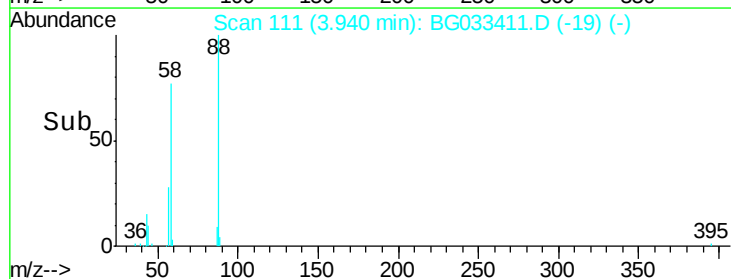
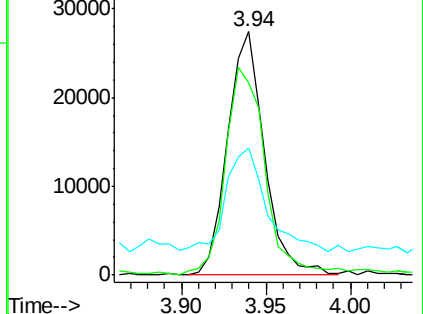
43 47.7 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 34.805 ng

RT: 4.40 min Scan# 190

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

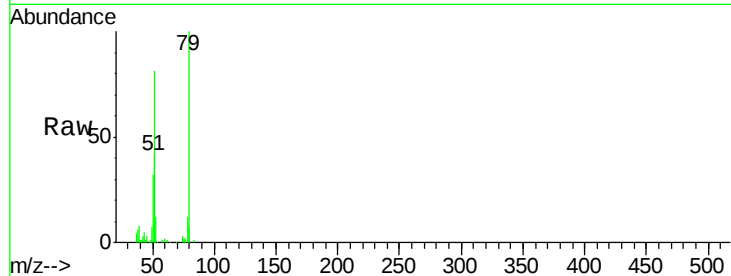
Tot Ion: 79 Resp: 112049

Ion Ratio Lower Upper

79 100

52 81.1 69.9 104.9

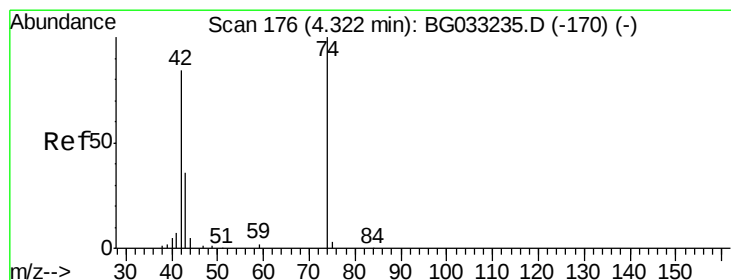
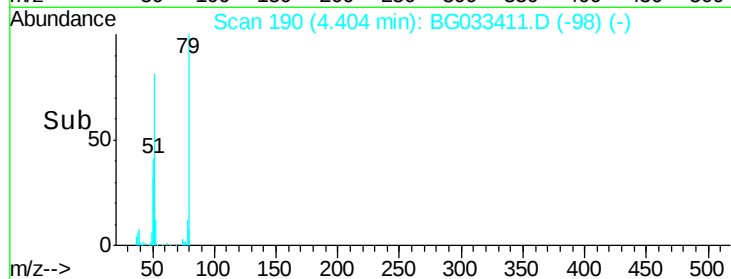
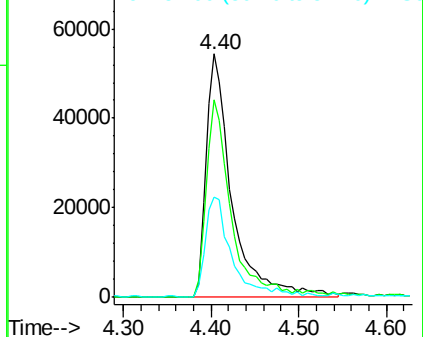
51 41.0 34.0 51.0



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: 51.857 ng

RT: 4.30 min Scan# 172

Delta R.T. -0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

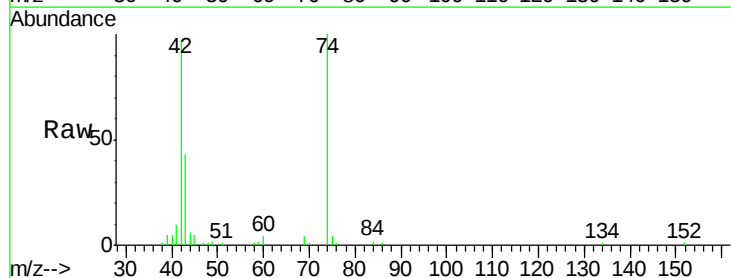
Tgt Ion: 42 Resp: 68511

Ion Ratio Lower Upper

42 100

74 103.1 102.5 153.7

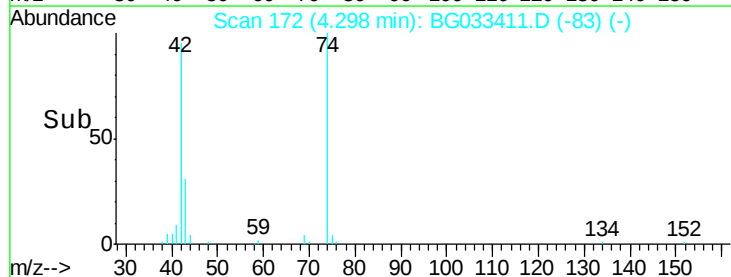
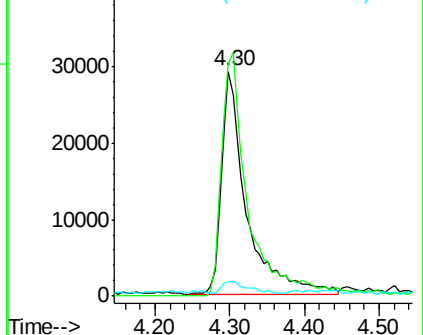
44 6.5 18.9 28.3#

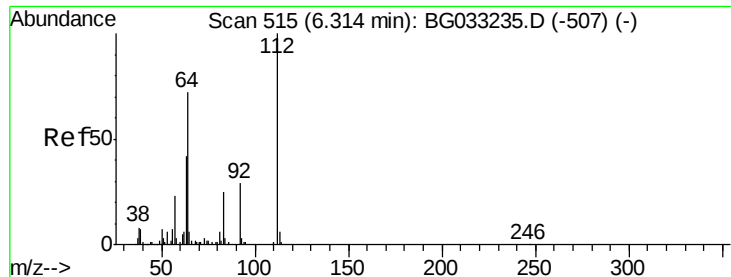


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 156.937 ng

RT: 6.30 min Scan# 513

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

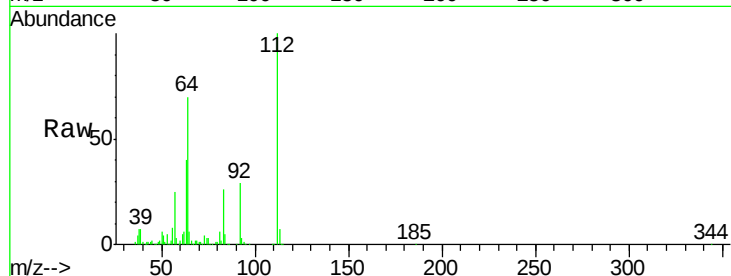
Tot Ion:112 Resp: 359893

Ion Ratio Lower Upper

112 100

64 69.9 56.3 84.5

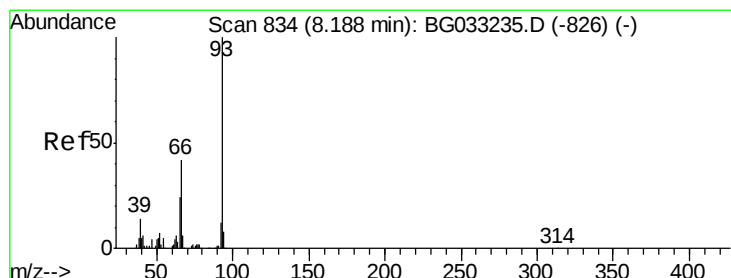
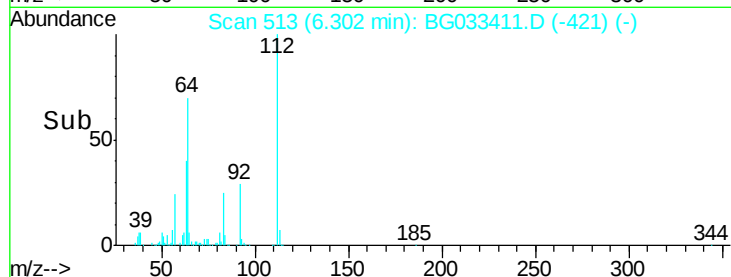
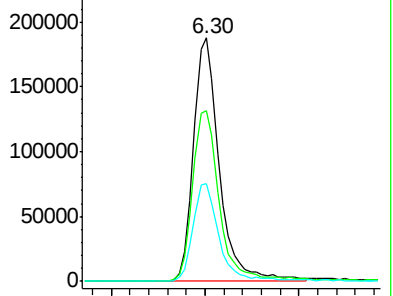
63 40.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 10.181 ng

RT: 8.16 min Scan# 829

Delta R.T. -0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

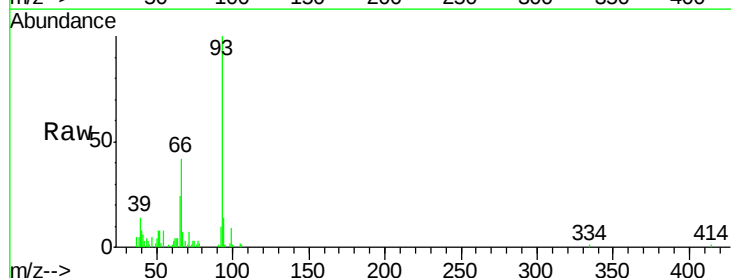
Tgt Ion: 93 Resp: 47174

Ion Ratio Lower Upper

93 100

66 41.5 33.7 50.5

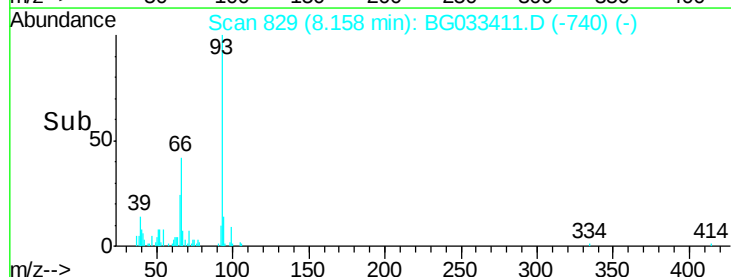
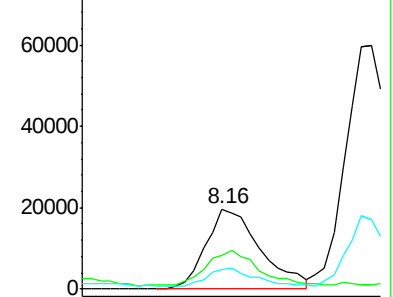
65 24.3 16.1 24.1#

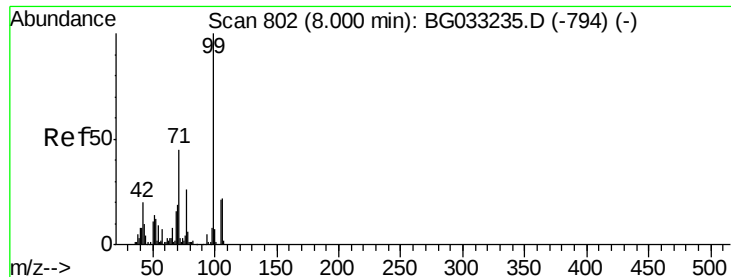


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 133.419 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

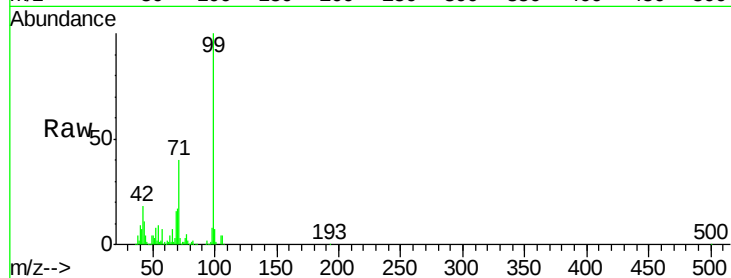
Tot Ion: 99 Resp: 525707

Ion Ratio Lower Upper

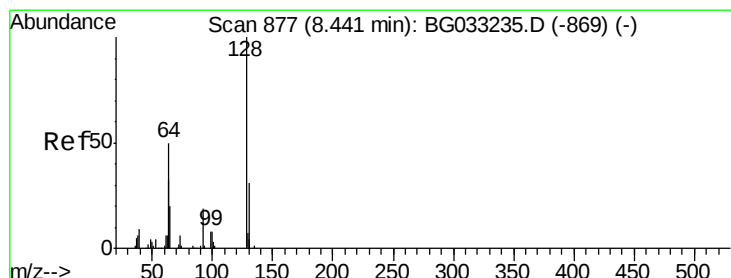
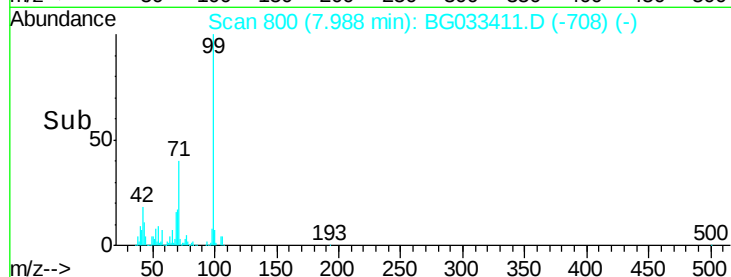
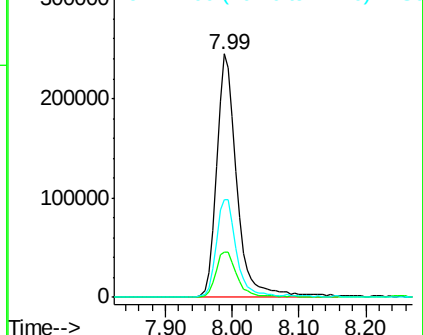
99 100

42 18.5 14.1 21.1

71 40.2 26.1 39.1#



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



#8

2-Chlorophenol

Concen: 52.157 ng

RT: 8.42 min Scan# 873

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

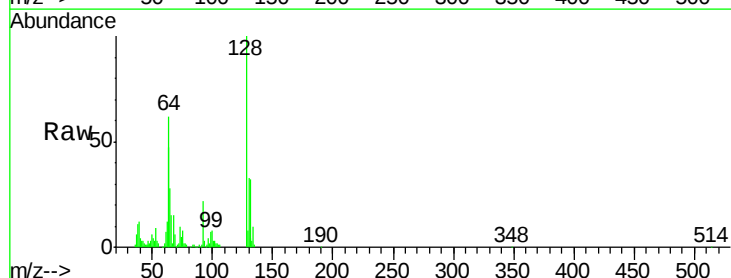
Tgt Ion:128 Resp: 136739

Ion Ratio Lower Upper

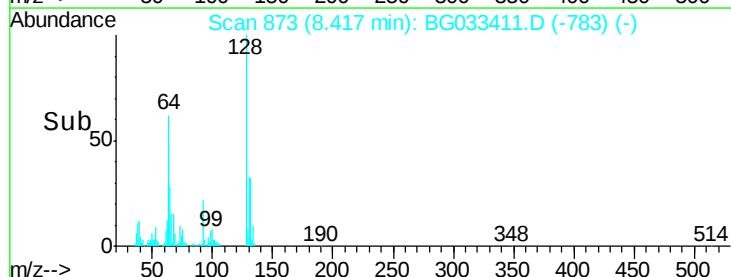
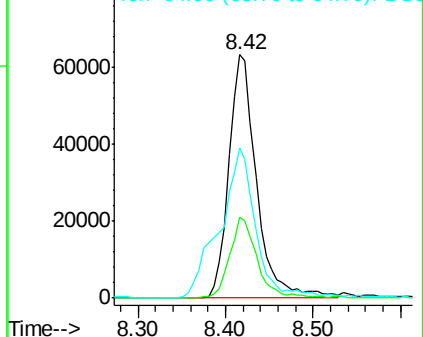
128 100

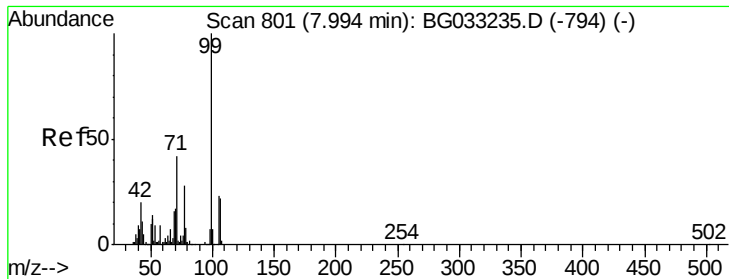
130 33.2 14.0 54.0

64 61.7 37.7 77.7



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





#9

Benzaldehyde

Concen: 28.763 ng

RT: 7.96 min Scan# 796

Delta R.T. -0.02 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

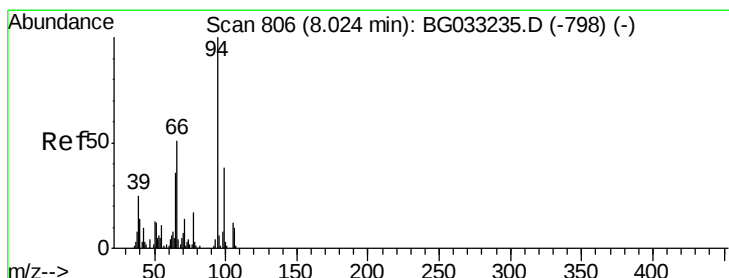
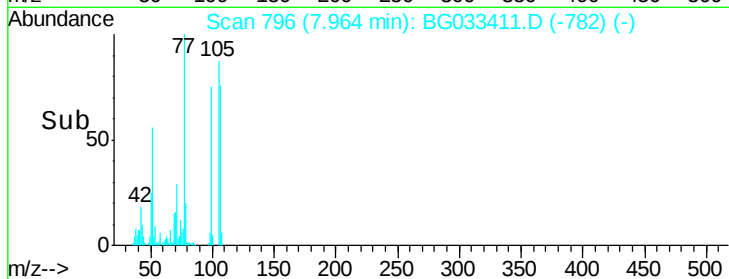
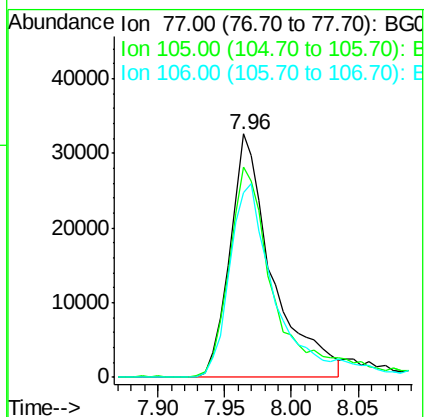
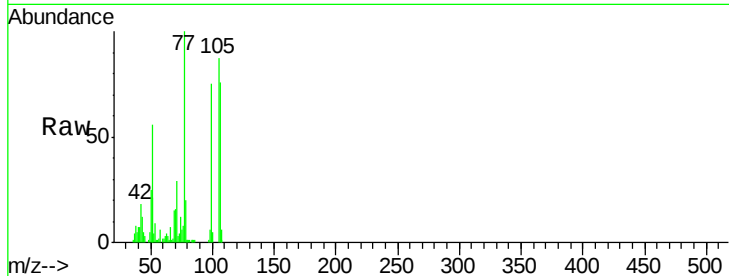
Tot Ion: 77 Resp: 72024

Ion Ratio Lower Upper

77 100

105 86.6 71.3 111.3

106 75.7 64.2 104.2



#10

Phenol

Concen: 44.493 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

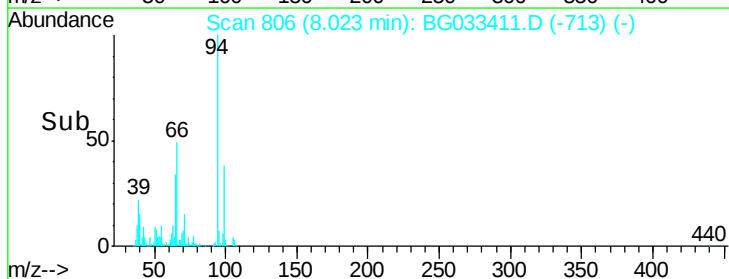
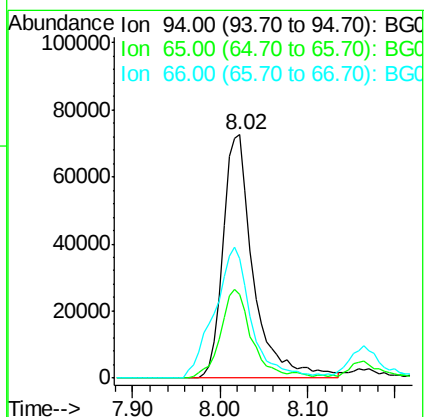
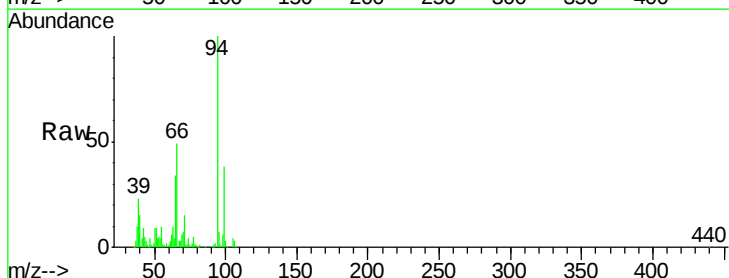
Tgt Ion: 94 Resp: 173089

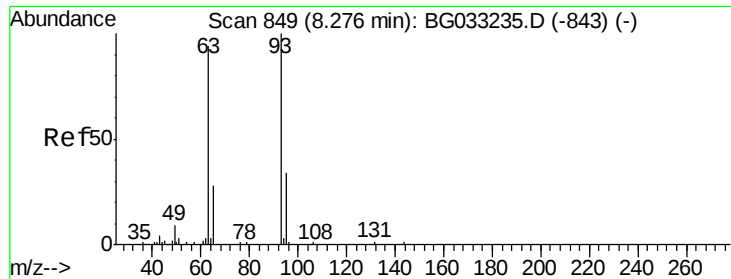
Ion Ratio Lower Upper

94 100

65 34.2 11.9 51.9

66 48.9 22.2 62.2

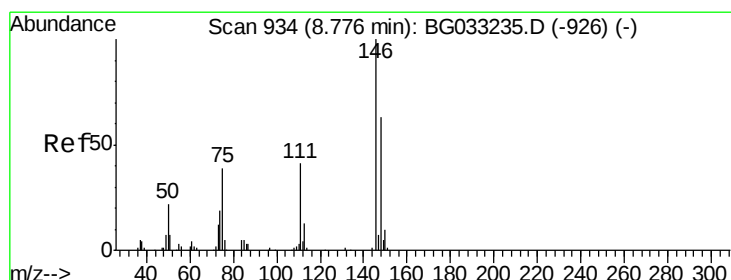
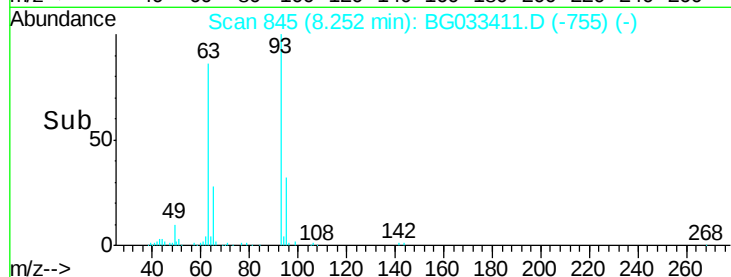
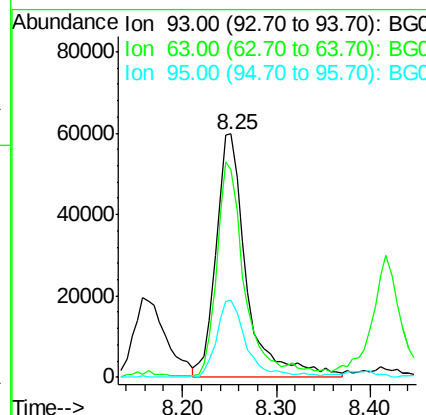
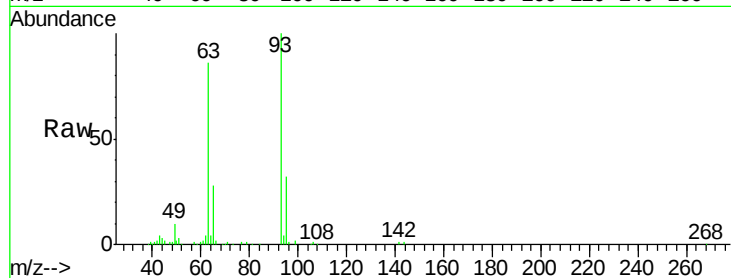




#11  
 bis(2-Chloroethyl)ether  
 Concen: 42.333 ng  
 RT: 8.25 min Scan# 845  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

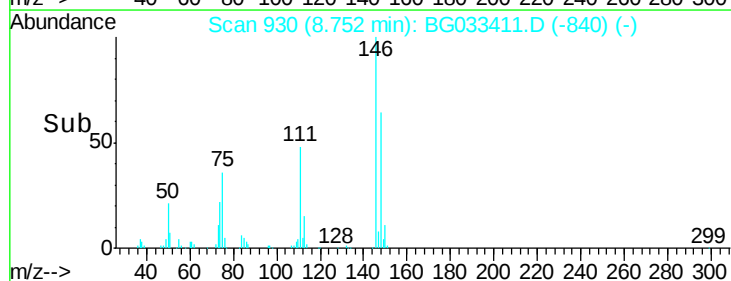
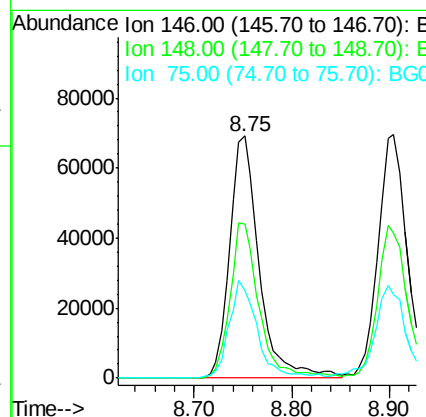
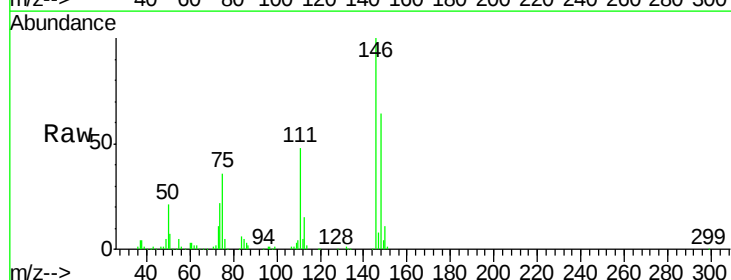
Instrument :  
 BNA\_G  
 ClientSampleId :

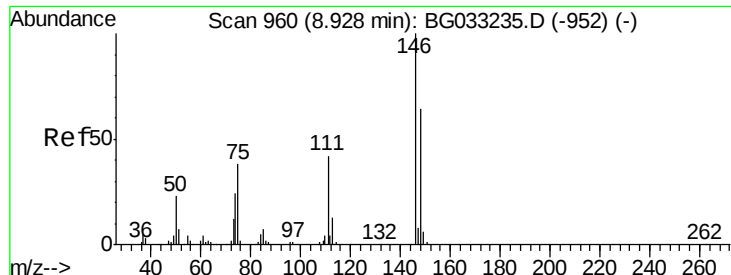
Tot Ion: 93 Resp: 134423  
 Ion Ratio Lower Upper  
 93 100  
 63 85.5 67.1 107.1  
 95 31.7 11.5 51.5



#12  
 1,3-Dichlorobenzene  
 Concen: 42.294 ng  
 RT: 8.75 min Scan# 930  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion: 146 Resp: 144964  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 51.4 77.2  
 75 36.1 26.6 39.8

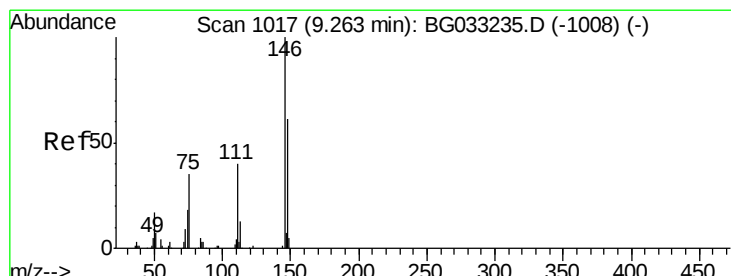
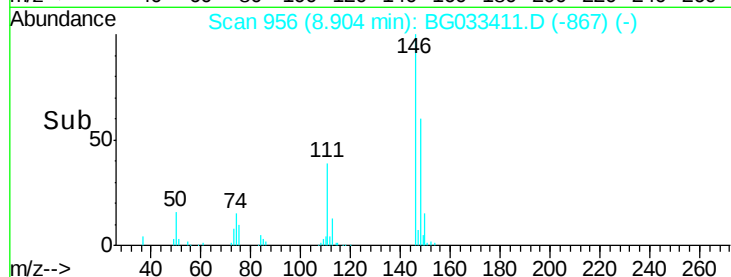
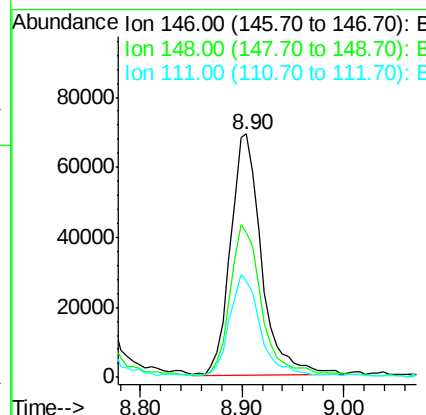
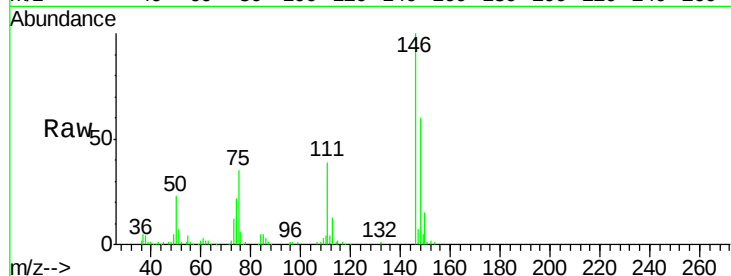




#13  
 1,4-Dichlorobenzene  
 Concen: 42.687 ng  
 RT: 8.90 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

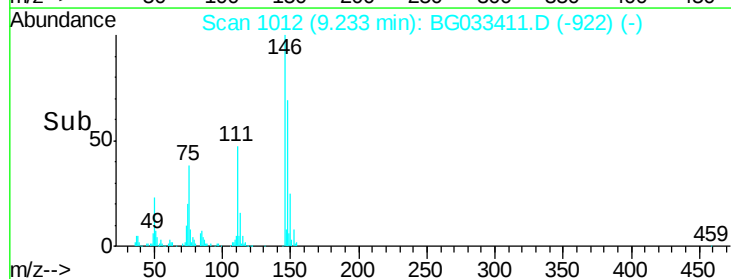
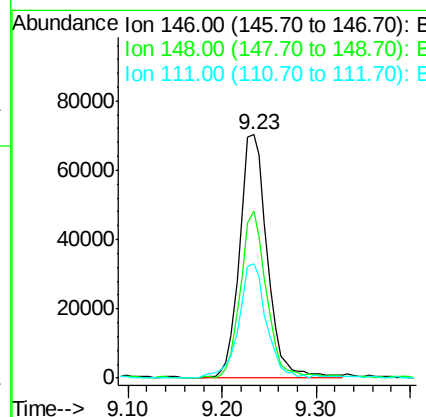
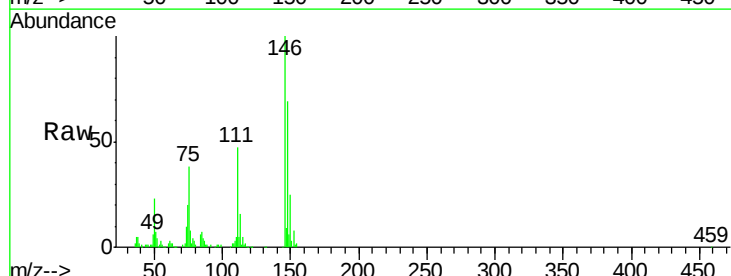
Instrument :  
 BNA\_G  
 ClientSampleId :

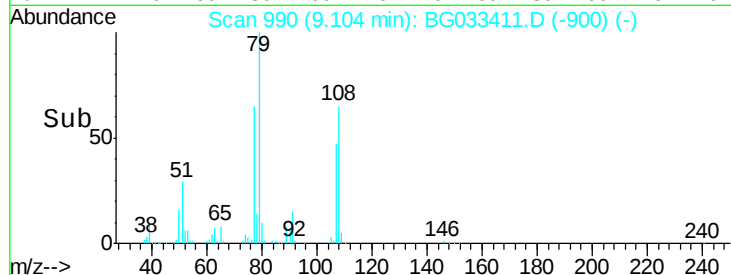
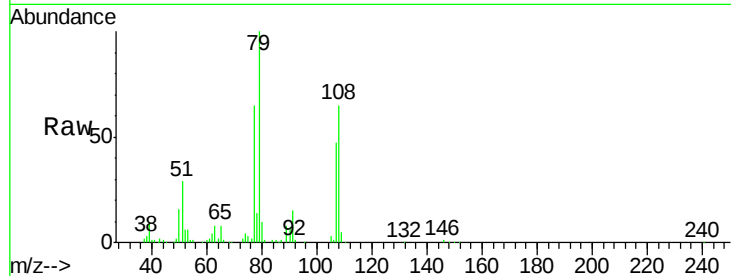
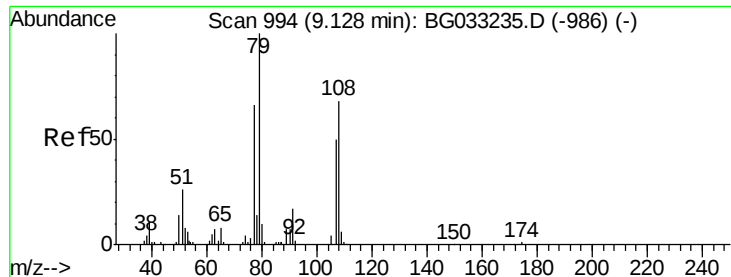
Tot Ion:146 Resp: 146530  
 Ion Ratio Lower Upper  
 146 100  
 148 59.6 53.7 80.5  
 111 39.5 35.2 52.8



#14  
 1,2-Dichlorobenzene  
 Concen: 42.385 ng  
 RT: 9.23 min Scan# 1012  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:146 Resp: 141999  
 Ion Ratio Lower Upper  
 146 100  
 148 68.7 49.3 73.9  
 111 46.8 34.3 51.5





#15

Benzyl Alcohol

Concen: 48.492 ng

RT: 9.10 min Scan# 990

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

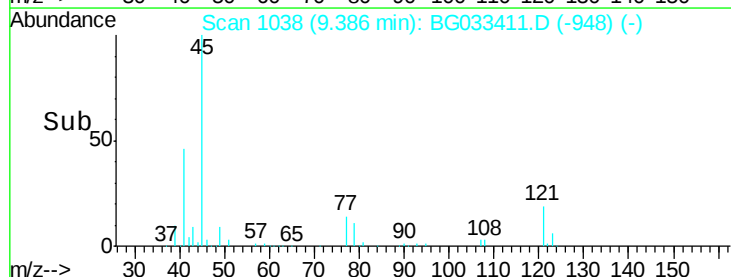
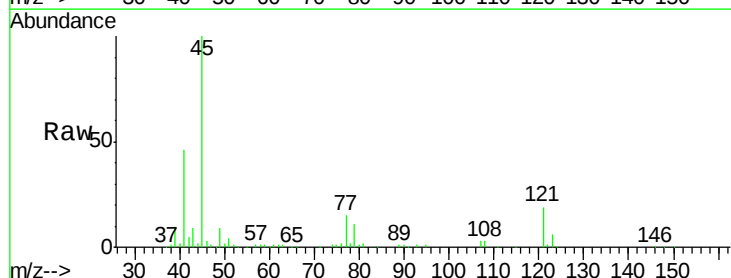
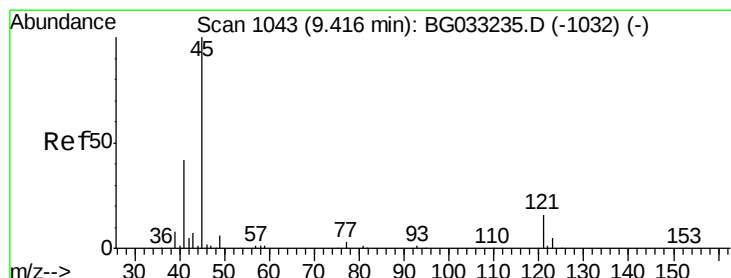
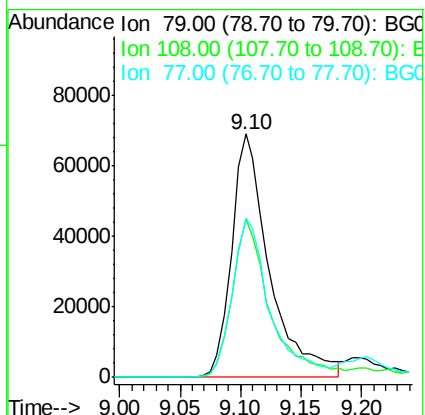
Tot Ion: 79 Resp: 150435

Ion Ratio Lower Upper

79 100

108 64.6 57.2 85.8

77 65.2 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.480 ng

RT: 9.39 min Scan# 1038

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

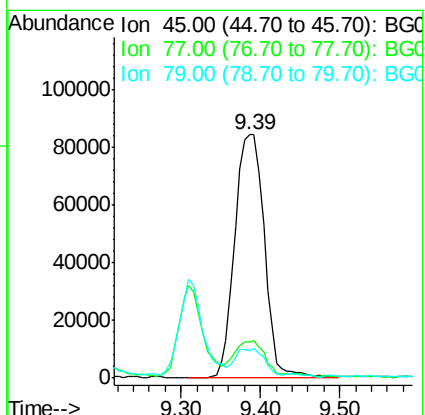
Tgt Ion: 45 Resp: 219896

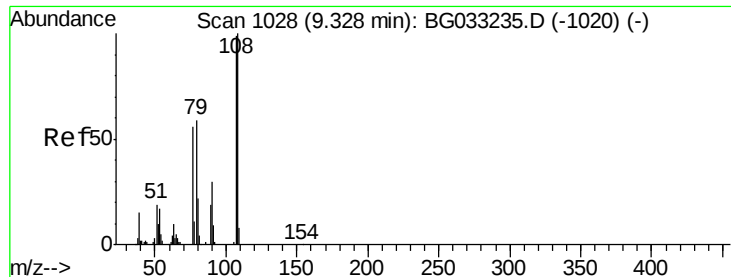
Ion Ratio Lower Upper

45 100

77 14.7 0.0 30.2

79 11.3 0.0 27.9

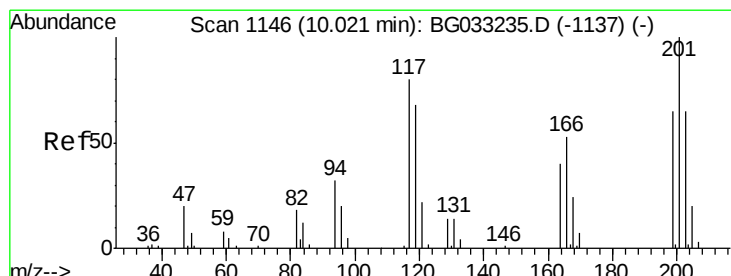
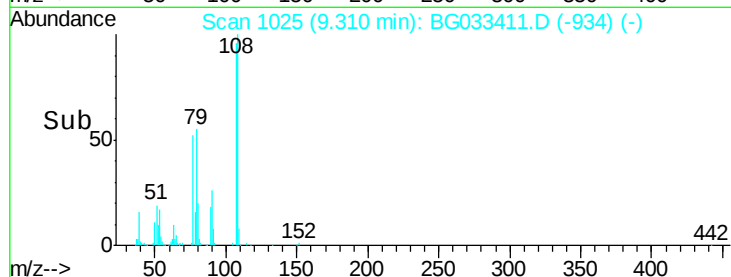
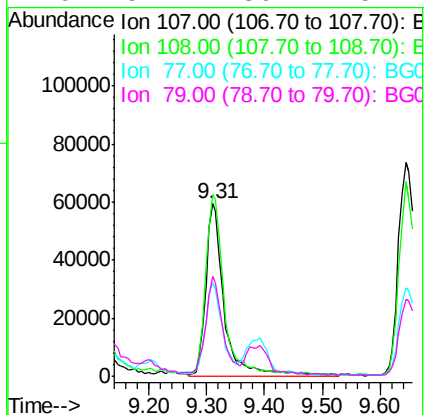
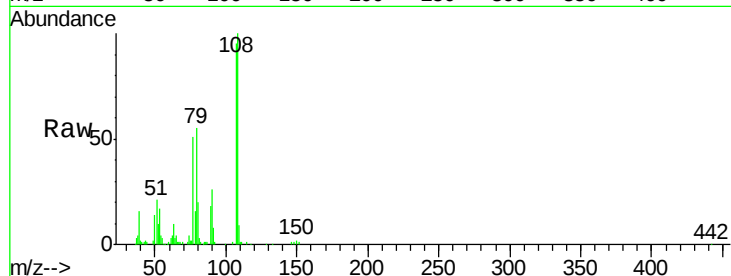




#17  
2-Methylphenol  
Concen: 49.694 ng  
RT: 9.31 min Scan# 1025  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

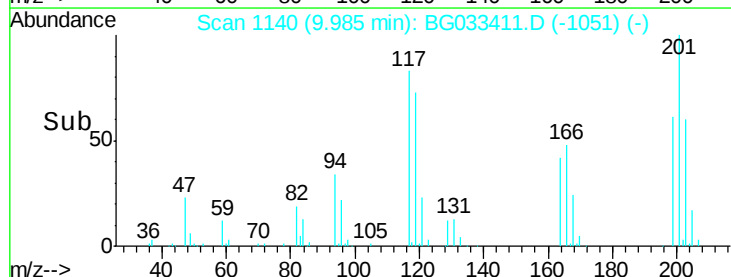
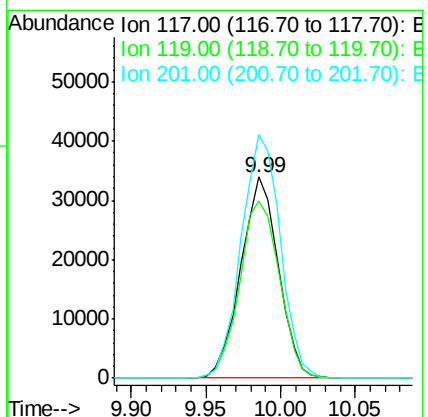
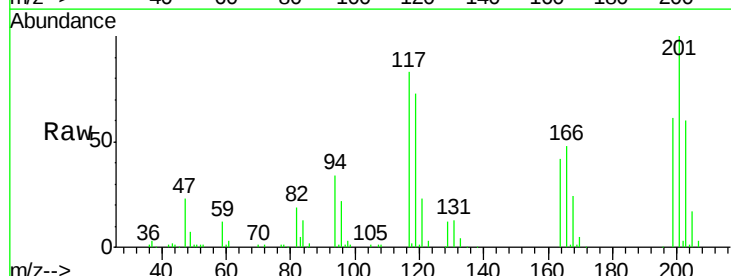
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:107 Resp: 131698  
Ion Ratio Lower Upper  
107 100  
108 105.0 83.9 125.9  
77 54.0 37.2 55.8  
79 57.7 36.2 54.2#



#18  
Hexachloroethane  
Concen: 44.675 ng  
RT: 9.99 min Scan# 1140  
Delta R.T. -0.01 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion:117 Resp: 59187  
Ion Ratio Lower Upper  
117 100  
119 87.9 76.7 115.1  
201 121.0 95.7 143.5

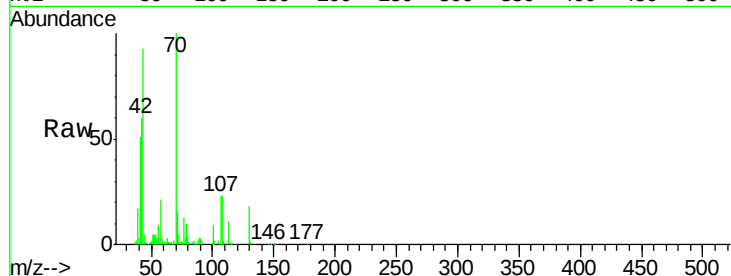




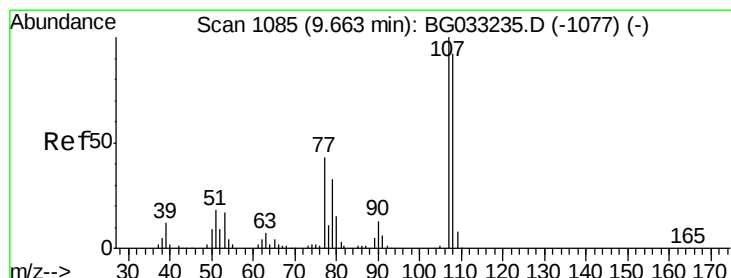
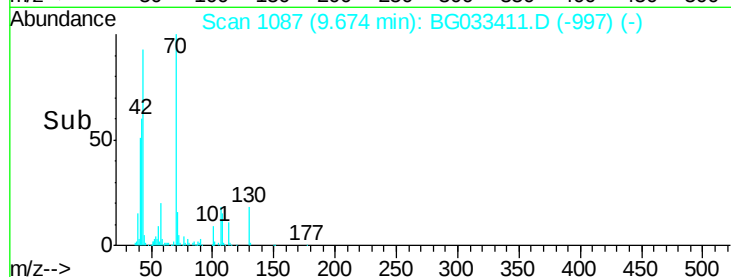
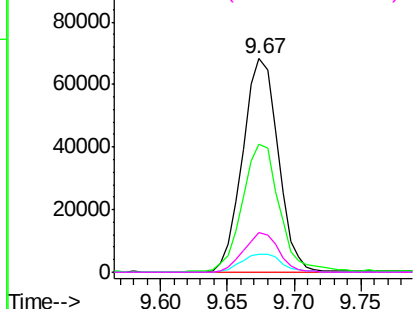
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.568 ng  
RT: 9.67 min Scan# 1087  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 125792 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 60.2  | 49.1  | 73.7   |
| 101      | 8.7   | 8.5   | 12.7   |
| 130      | 18.4  | 13.4  | 20.0   |

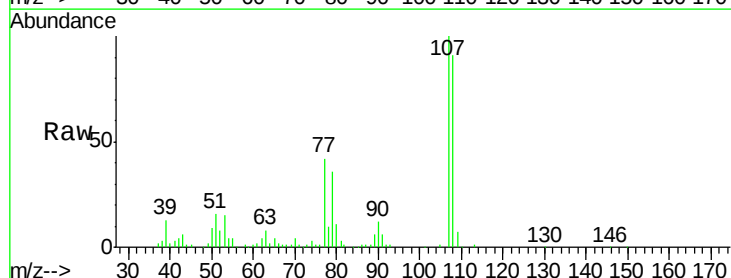


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

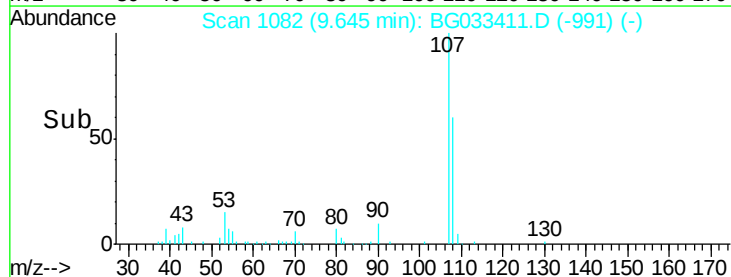
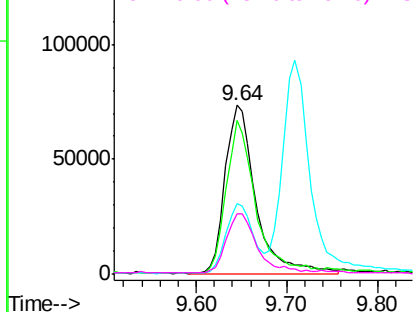


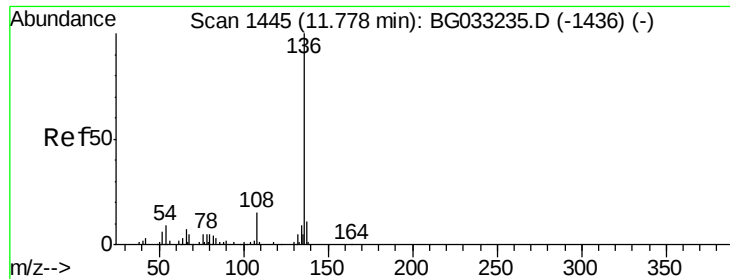
#20  
3+4-Methylphenols  
Concen: 45.729 ng  
RT: 9.64 min Scan# 1082  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 172549 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.0  | 61.6  | 101.6  |
| 77       | 41.5  | 13.9  | 53.9   |
| 79       | 35.7  | 8.8   | 48.8   |



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

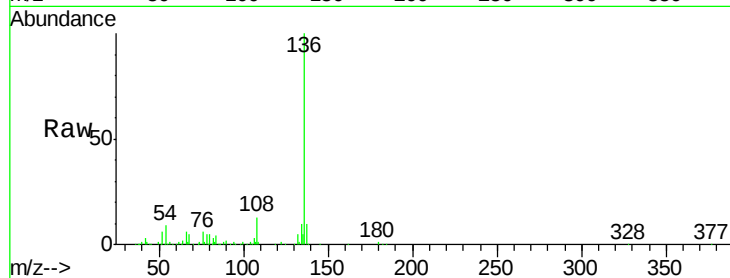




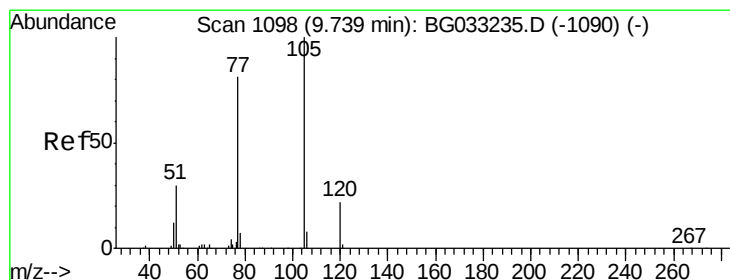
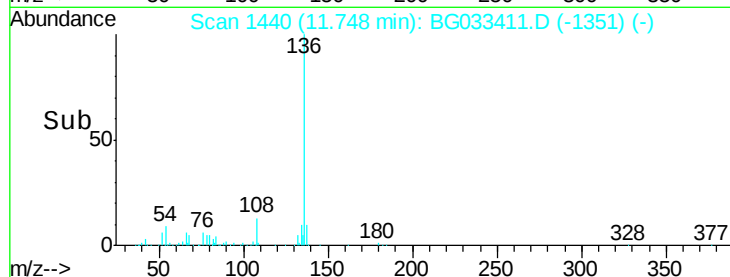
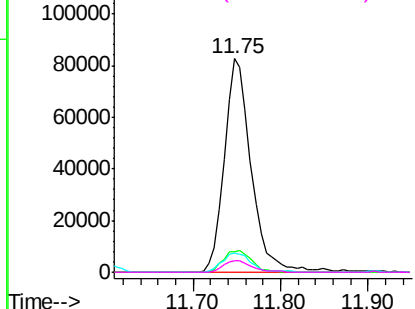
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 173626 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.9   | 9.2   | 13.8   |
| 54       | 9.2   | 10.3  | 15.5#  |
| 68       | 5.4   | 4.5   | 6.7    |

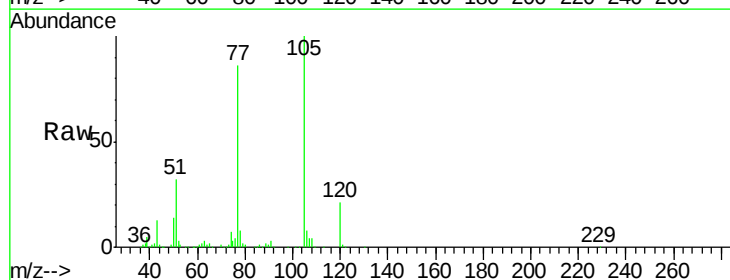


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

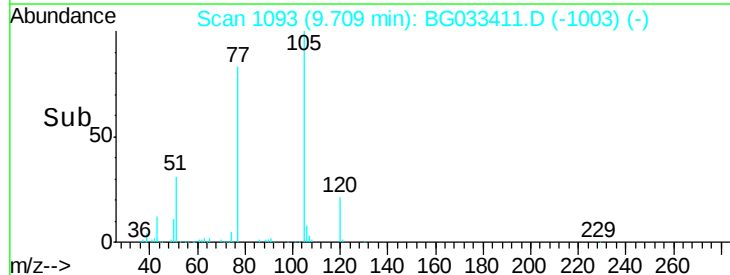
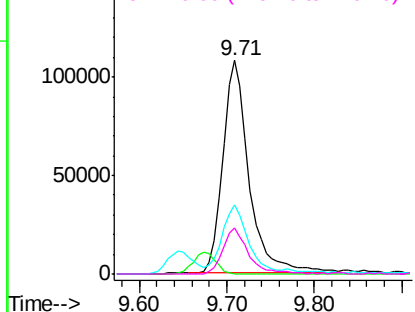


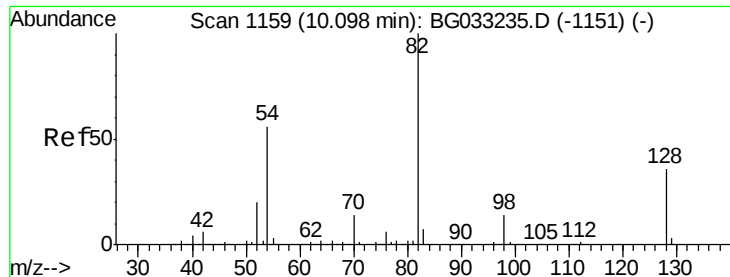
#22  
Acetophenone  
Concen: 46.600 ng  
RT: 9.71 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 221664 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.2   | 3.0   | 4.4#   |
| 51       | 32.3  | 26.1  | 39.1   |
| 120      | 21.3  | 17.4  | 26.2   |



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

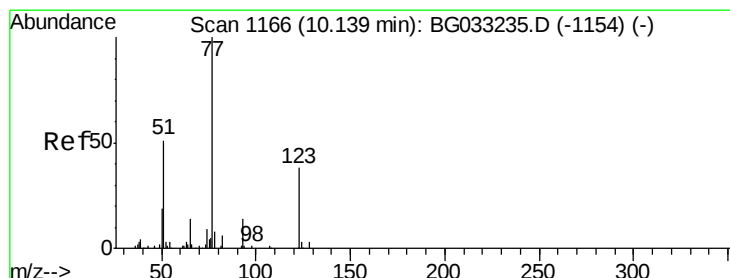
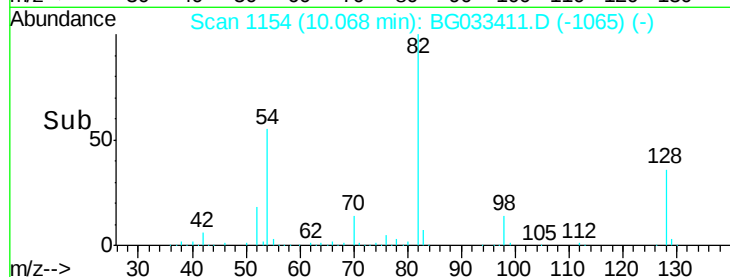
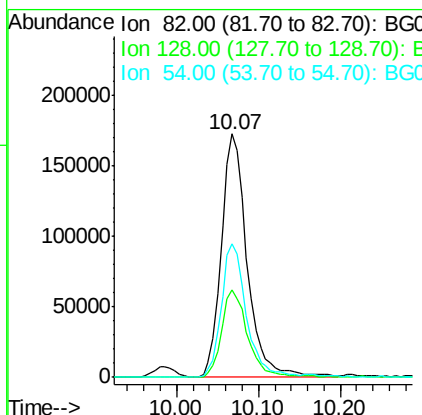
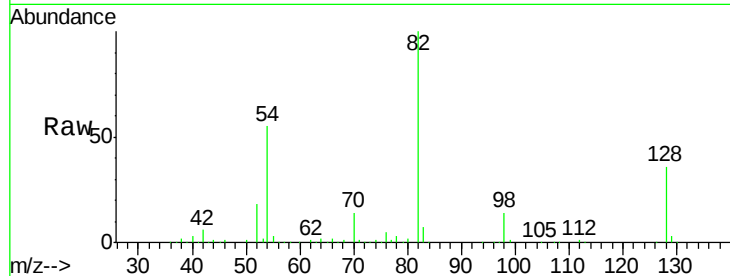




#23  
 Nitrobenzene-d5  
 Concen: 99.832 ng  
 RT: 10.07 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

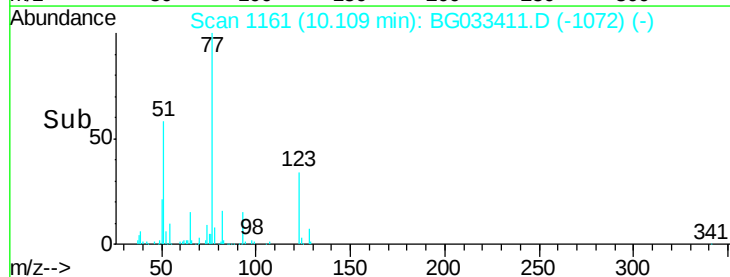
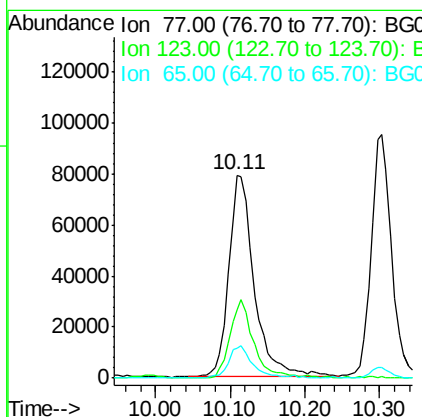
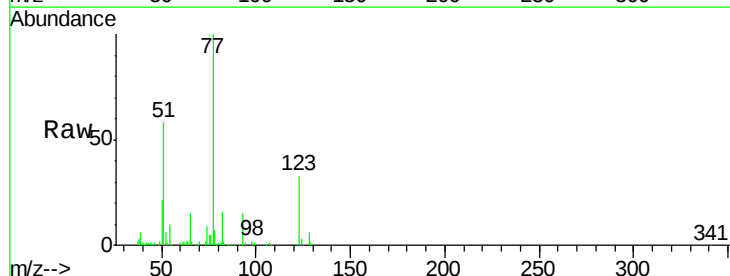
Instrument :  
 BNA\_G  
 ClientSampled :

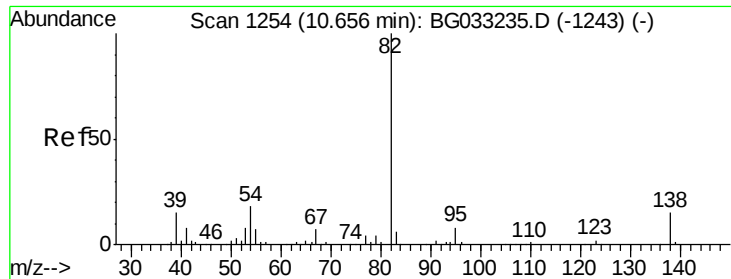
Tot Ion: 82 Resp: 377274  
 Ion Ratio Lower Upper  
 82 100  
 128 36.1 29.7 44.5  
 54 55.0 43.1 64.7



#24  
 Nitrobenzene  
 Concen: 46.677 ng  
 RT: 10.11 min Scan# 1161  
 Delta R.T. -0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion: 77 Resp: 188808  
 Ion Ratio Lower Upper  
 77 100  
 123 33.5 33.0 49.6  
 65 14.7 13.0 19.6

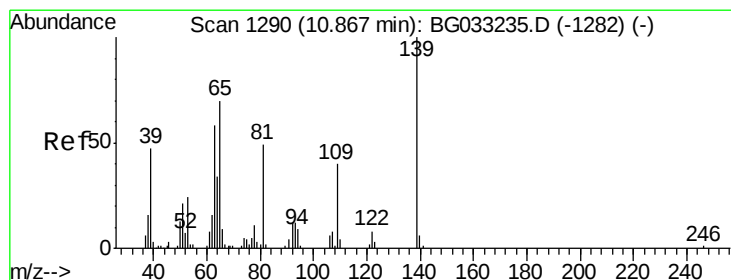
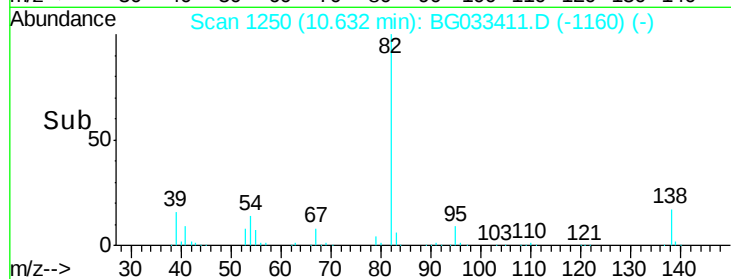
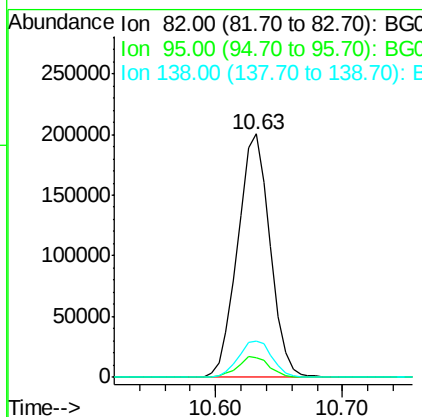
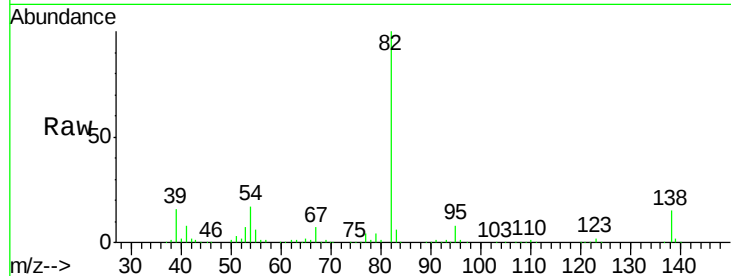




#25  
Isophorone  
Concen: 48.400 ng  
RT: 10.63 min Scan# 1250  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

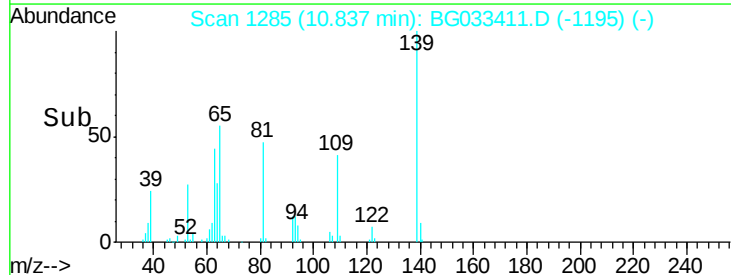
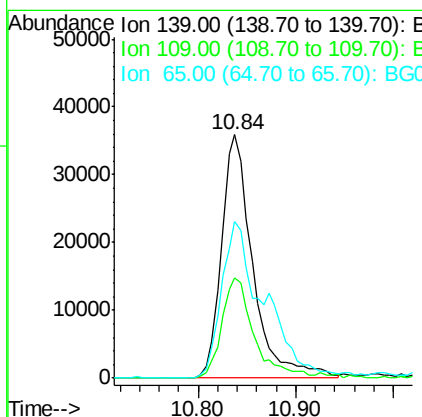
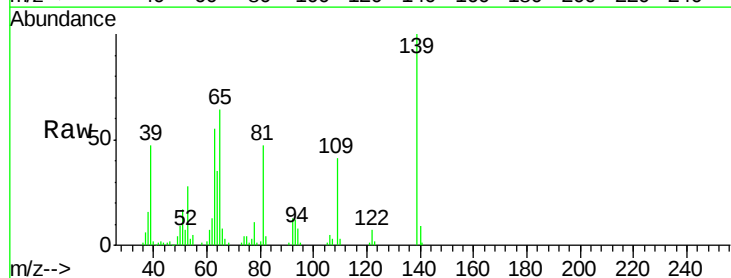
Instrument :  
BNA\_G  
ClientSampleId :

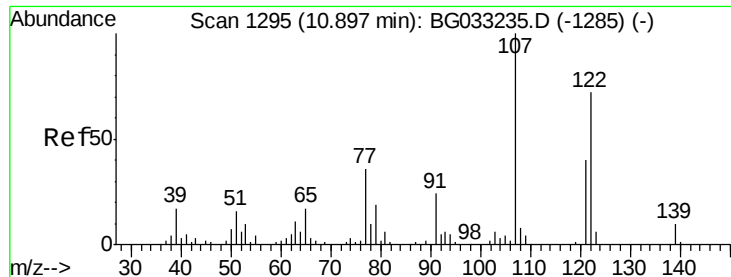
Tot Ion: 82 Resp: 354999  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.2 9.2  
138 14.9 12.1 18.1



#26  
2-Nitrophenol  
Concen: 51.978 ng  
RT: 10.84 min Scan# 1285  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion: 139 Resp: 79599  
Ion Ratio Lower Upper  
139 100  
109 41.0 24.2 36.2#  
65 64.5 47.4 71.0

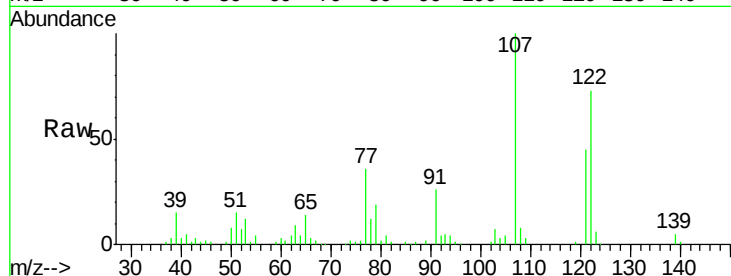




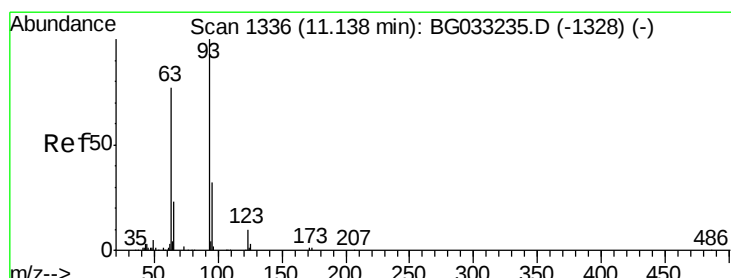
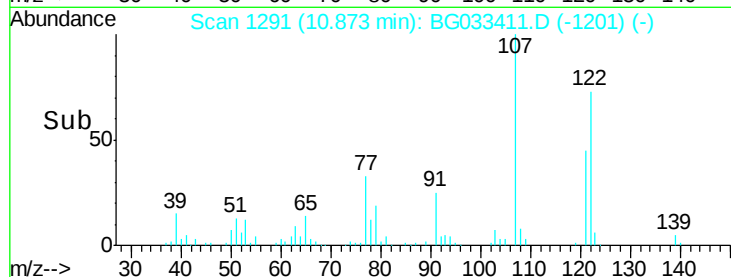
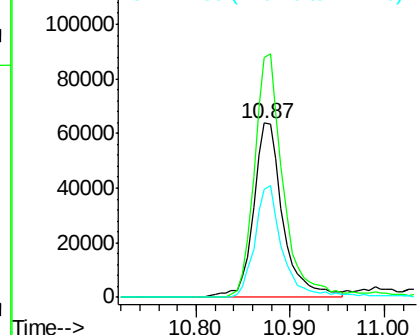
#27  
2,4-Dimethylphenol  
Concen: 62.357 ng  
RT: 10.87 min Scan# 1291  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:122 Resp: 138726  
Ion Ratio Lower Upper  
122 100  
107 137.5 100.2 150.2  
121 62.2 44.4 66.6

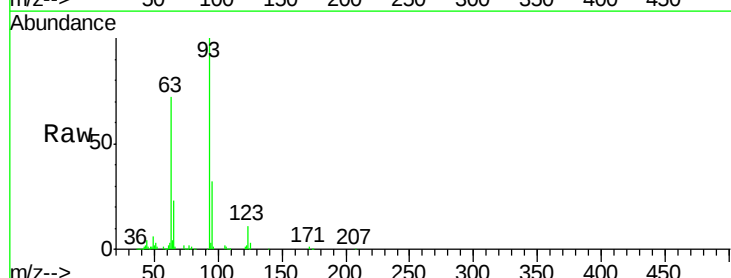


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

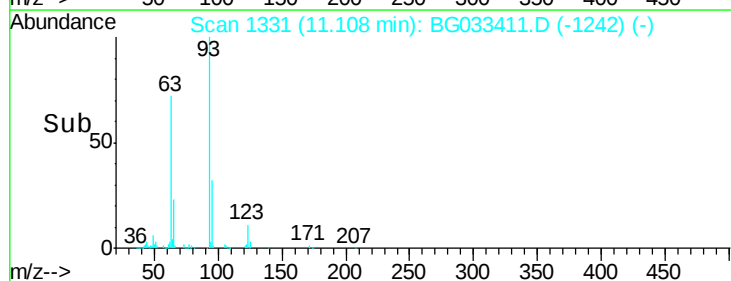
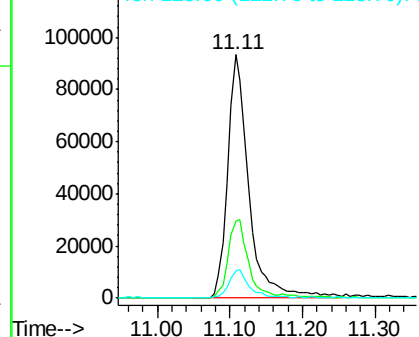


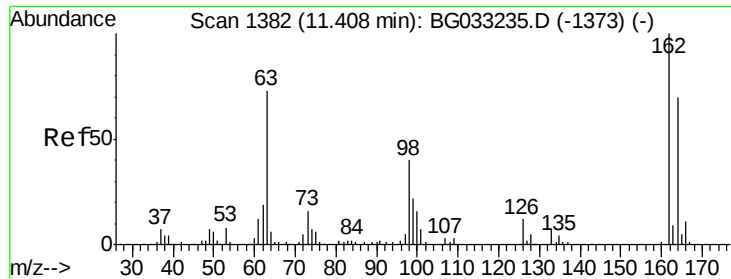
#28  
bis(2-Chloroethoxy)methane  
Concen: 51.930 ng  
RT: 11.11 min Scan# 1331  
Delta R.T. -0.01 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion: 93 Resp: 190044  
Ion Ratio Lower Upper  
93 100  
95 31.7 24.3 36.5  
123 11.0 8.4 12.6



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 123.00 (122.70 to 123.70): E

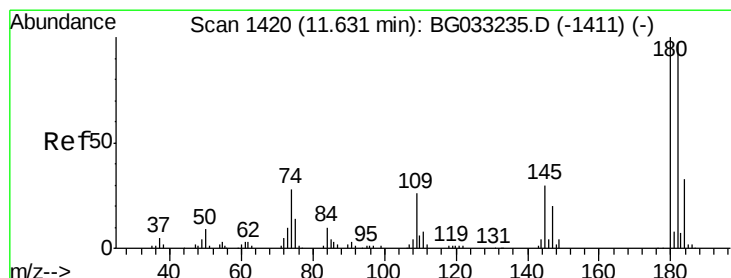
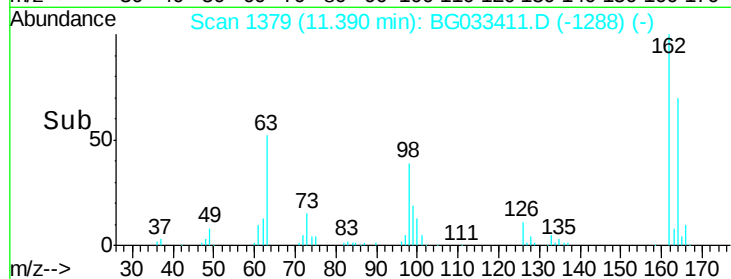
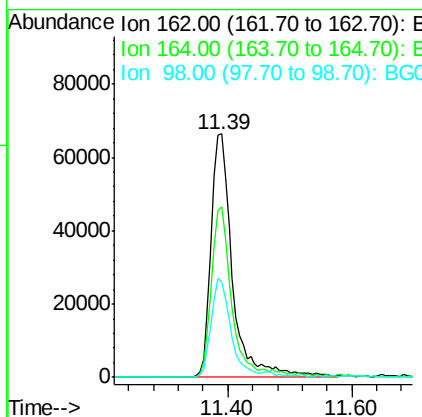
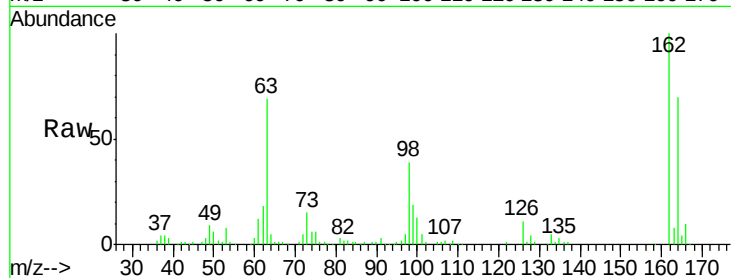




#29  
 2,4-Dichlorophenol  
 Concen: 58.212 ng  
 RT: 11.39 min Scan# 1379  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

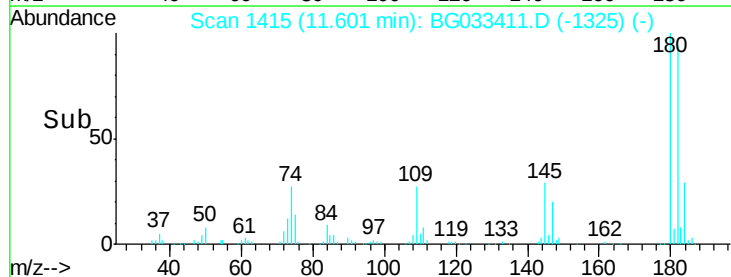
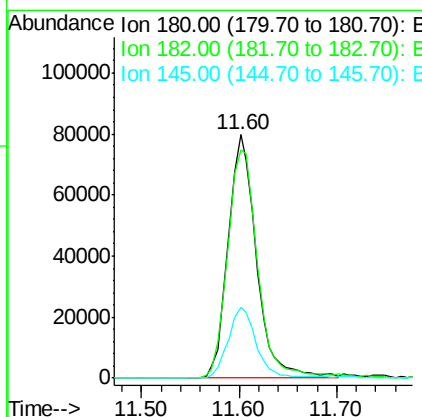
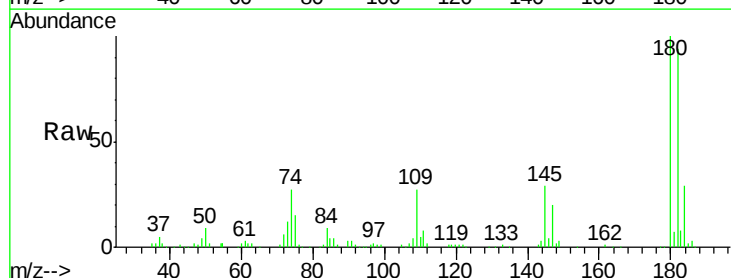
Instrument :  
 BNA\_G  
 ClientSampled :

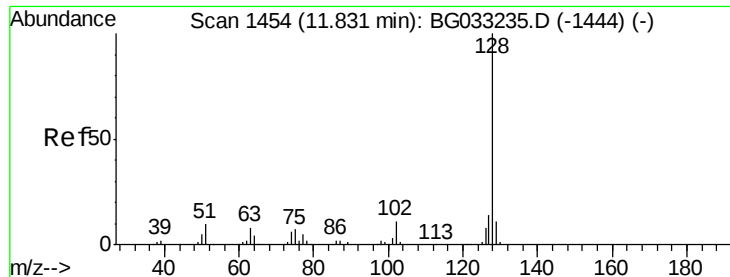
Tot Ion:162 Resp: 159263  
 Ion Ratio Lower Upper  
 162 100  
 164 70.2 48.0 88.0  
 98 39.0 21.1 61.1



#30  
 1,2,4-Trichlorobenzene  
 Concen: 45.250 ng  
 RT: 11.60 min Scan# 1415  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:180 Resp: 160847  
 Ion Ratio Lower Upper  
 180 100  
 182 94.0 77.5 116.3  
 145 28.9 23.4 35.2

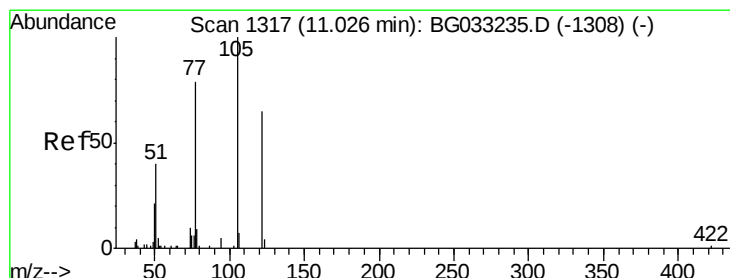
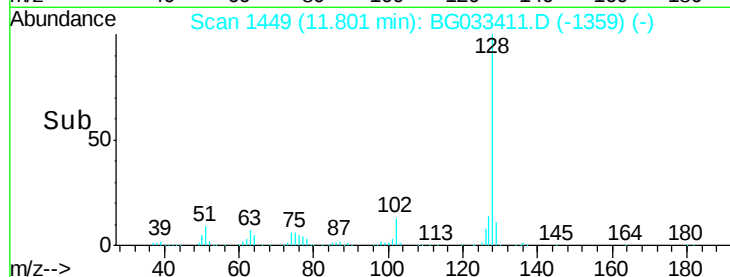
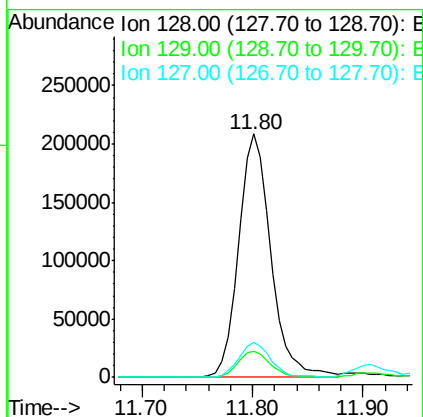
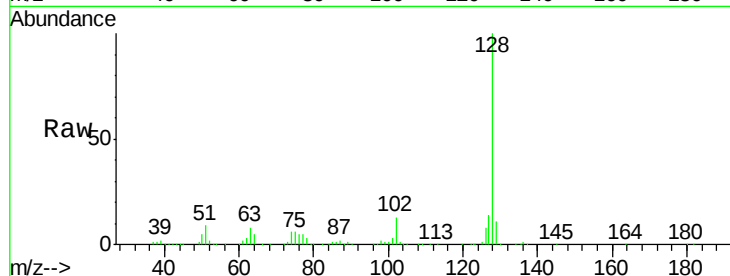




#31  
Naphthalene  
Concen: 47.656 ng  
RT: 11.80 min Scan# 1449  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

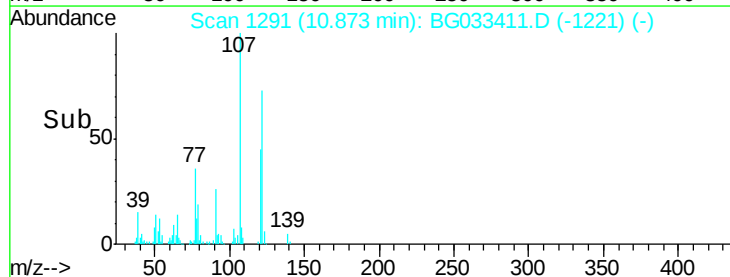
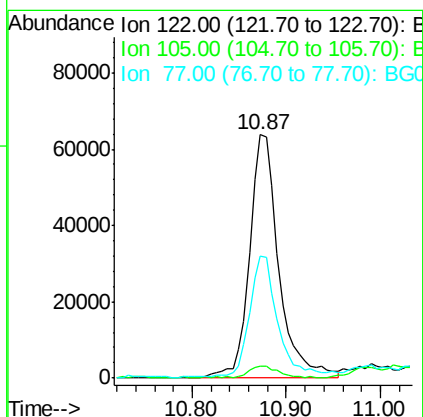
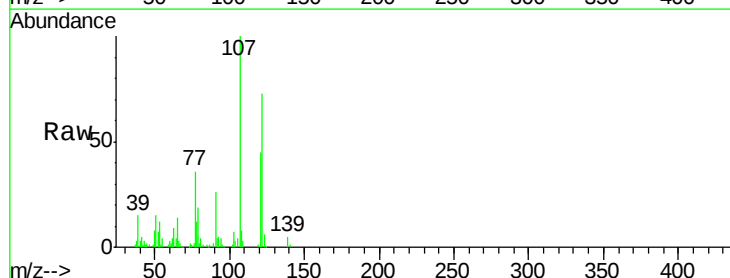
Instrument :  
BNA\_G  
ClientSampled :

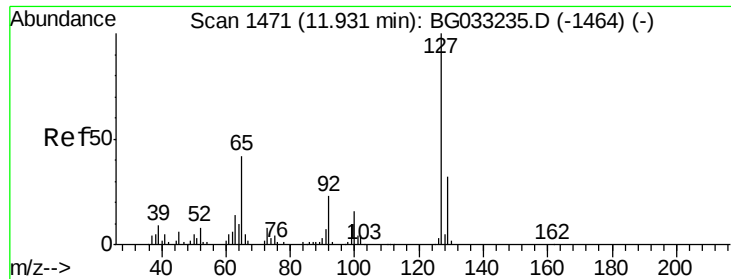
Tot Ion:128 Resp: 428779  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 14.1 11.6 17.4



#32  
Benzoic acid  
Concen: 67.080 ng  
RT: 10.87 min Scan# 1291  
Delta R.T. -0.12 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion:122 Resp: 138726  
Ion Ratio Lower Upper  
122 100  
105 4.9 123.5 163.5#  
77 50.1 85.7 125.7#

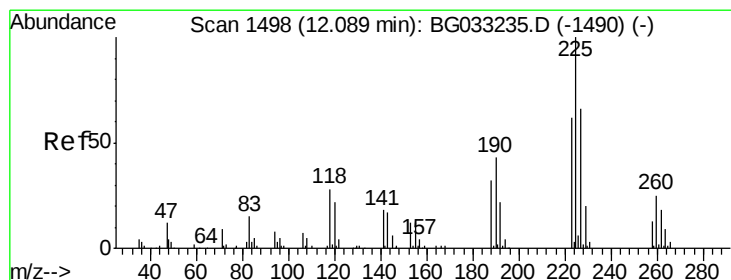
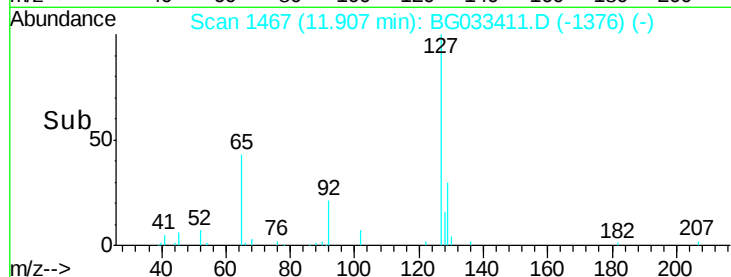
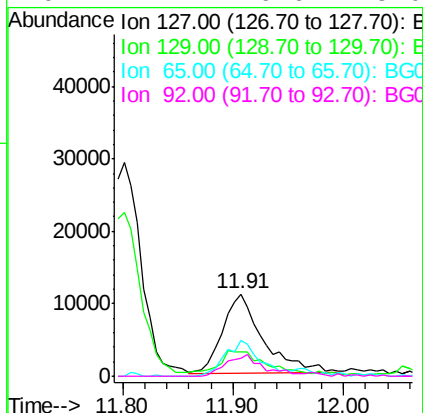
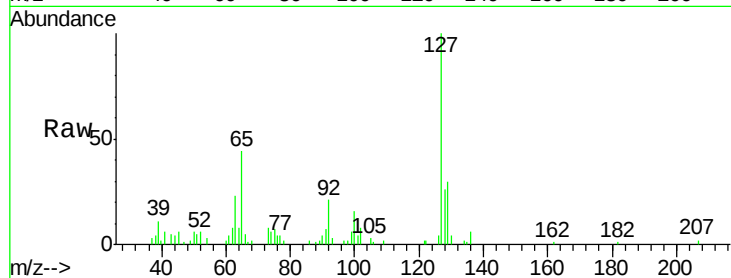




#33  
4-Chloroaniline  
Concen: 6.905 ng  
RT: 11.91 min Scan# 1467  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

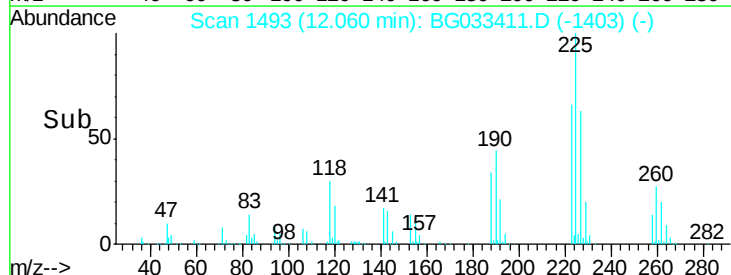
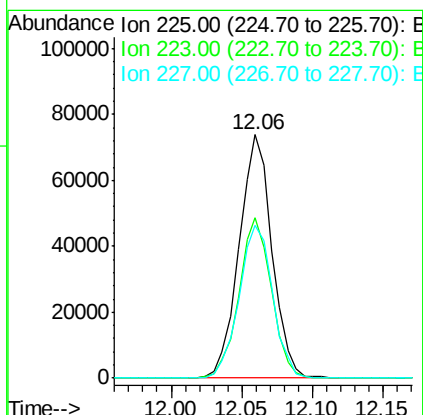
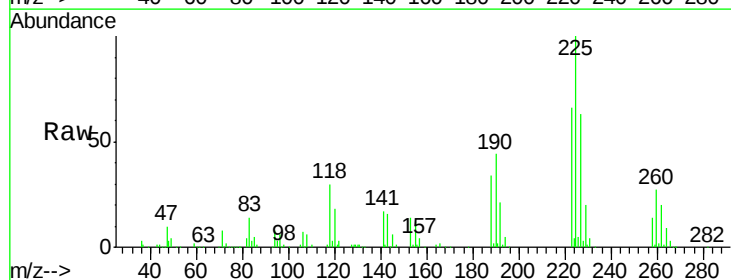
Instrument :  
BNA\_G  
ClientSampleId :

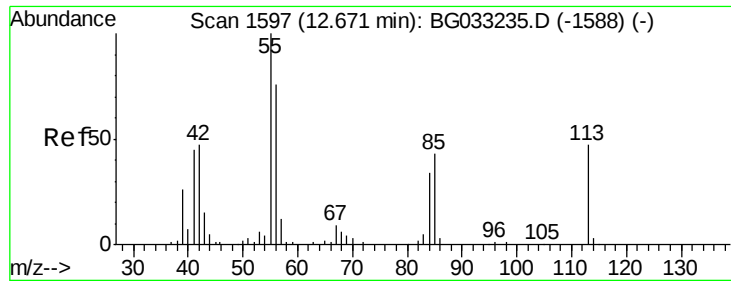
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 27834 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.1  | 24.0  | 36.0  |
| 65       | 44.3  | 27.0  | 40.4  |
| 92       | 21.2  | 16.6  | 25.0  |



#34  
Hexachlorobutadiene  
Concen: 44.561 ng  
RT: 12.06 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 119785 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.7  | 49.7  | 74.5   |
| 227      | 62.7  | 48.1  | 72.1   |





#35

Caprolactam

Concen: 40.870 ng

RT: 12.66 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

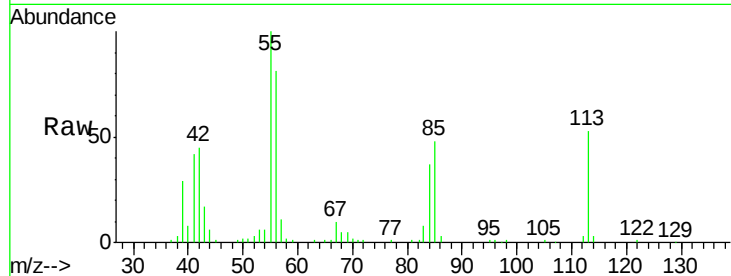
Tot Ion:113 Resp: 43806

Ion Ratio Lower Upper

113 100

55 187.8 186.9 226.9

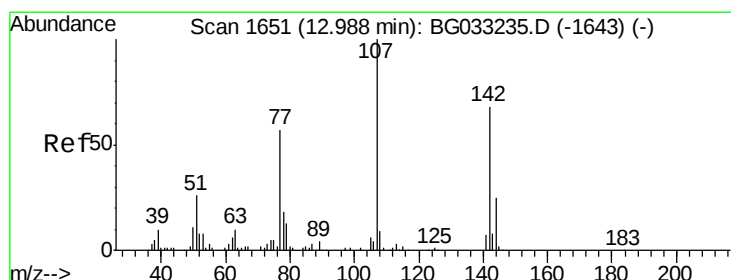
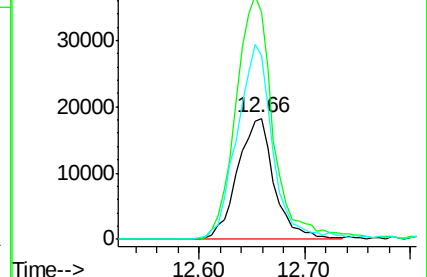
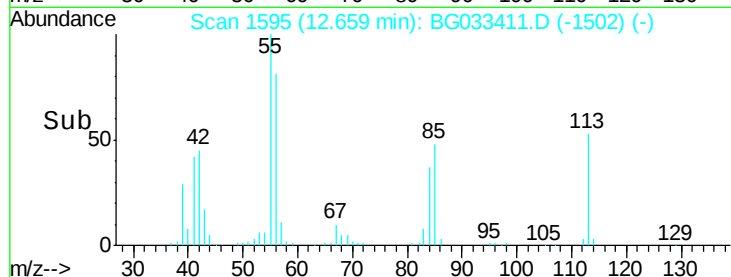
56 151.3 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 54.836 ng

RT: 12.97 min Scan# 1648

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

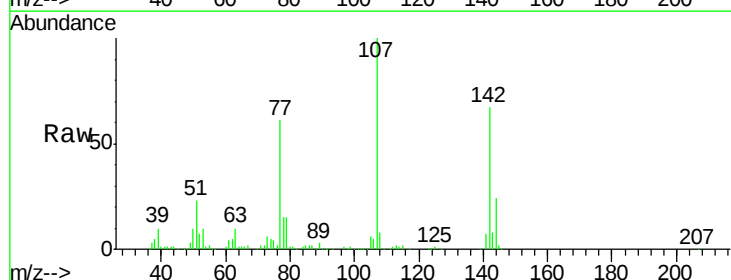
Tgt Ion:107 Resp: 195673

Ion Ratio Lower Upper

107 100

144 23.6 18.2 27.4

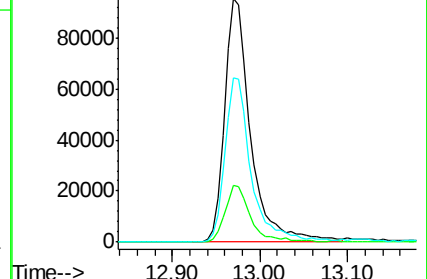
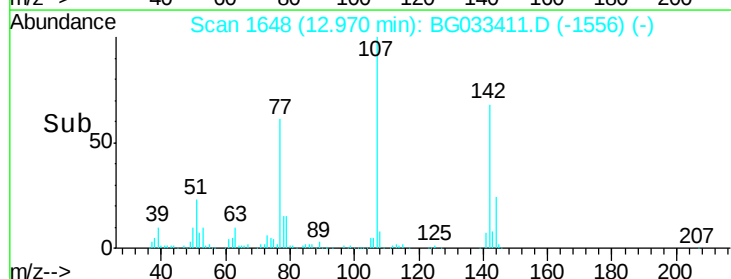
142 67.5 59.0 88.4

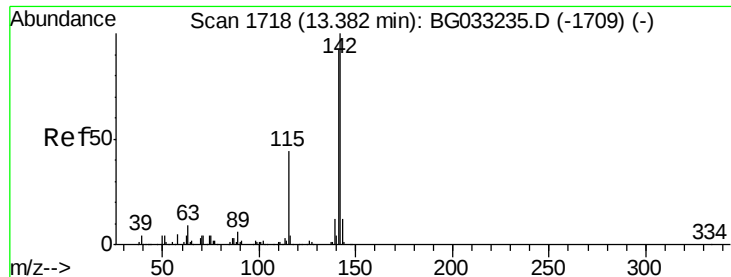


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

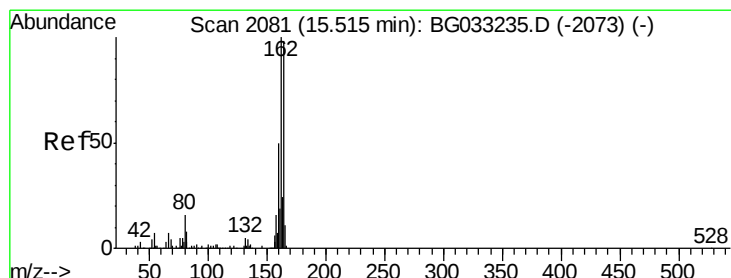
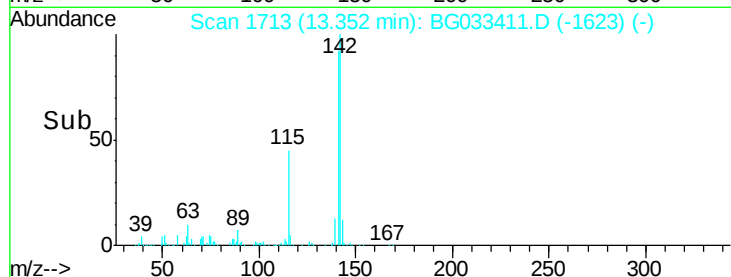
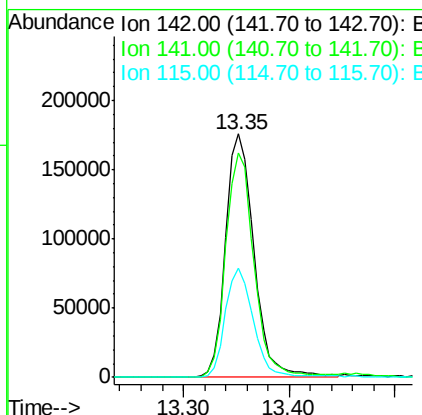
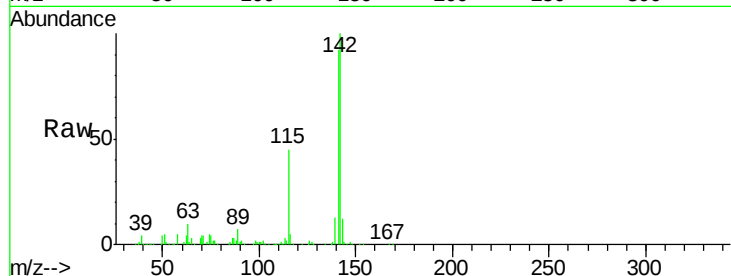




#37  
2-Methylnaphthalene  
Concen: 46.988 ng  
RT: 13.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

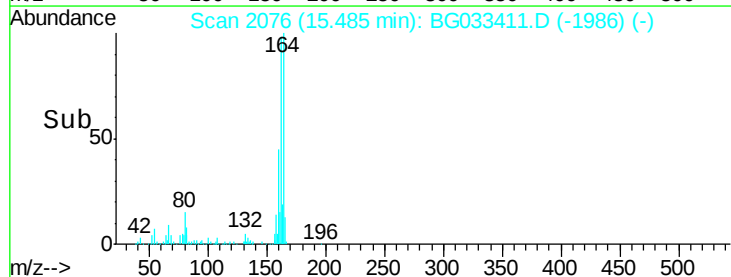
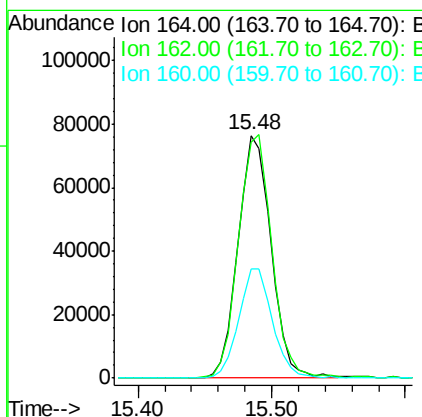
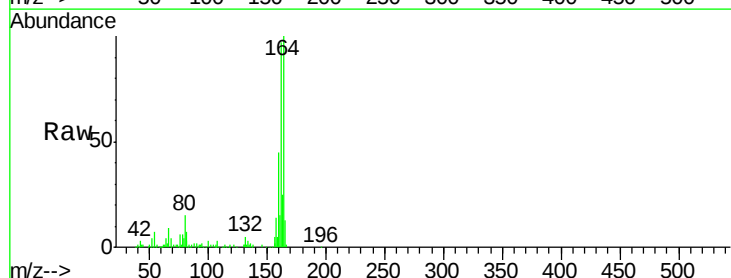
Instrument :  
BNA\_G  
ClientSampleId :

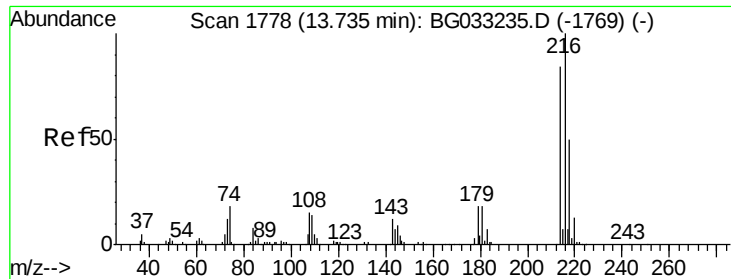
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.2  | 67.1  | 100.7 |
| 115     | 44.8  | 30.7  | 46.1  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.48 min Scan# 2076  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 97.2  | 78.8  | 118.2 |
| 160     | 44.8  | 35.4  | 53.0  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 46.439 ng

RT: 13.70 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 220233

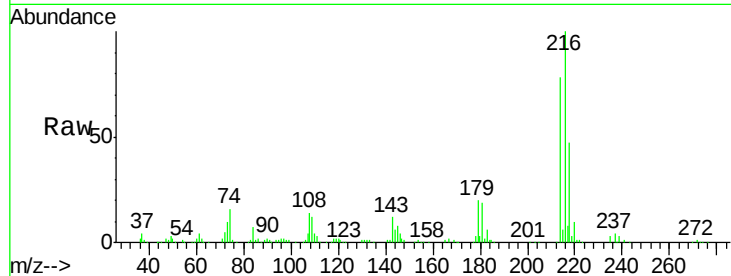
Ion Ratio Lower Upper

216 100

214 79.0 63.0 94.4

179 19.7 17.0 25.6

108 16.9 12.8 19.2

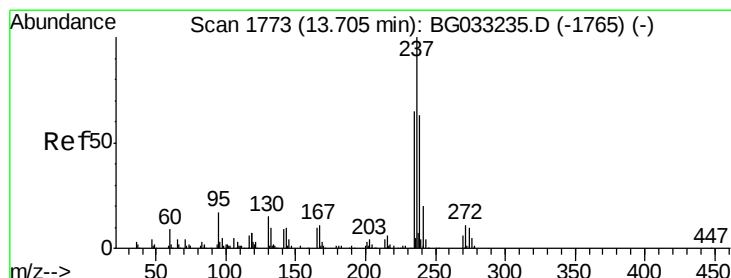
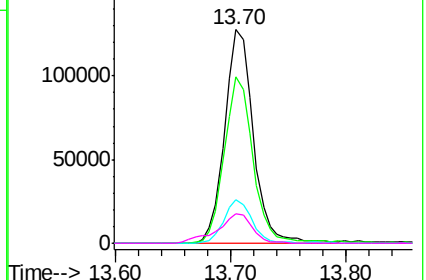
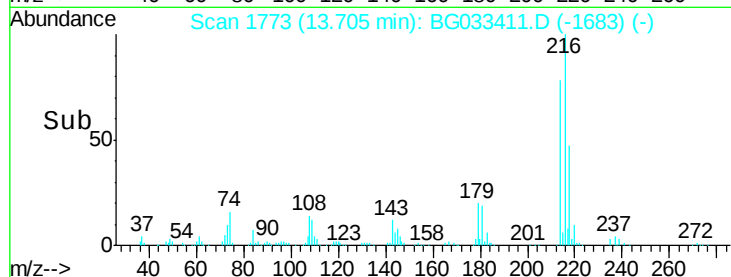


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 76.506 ng

RT: 13.68 min Scan# 1768

Delta R.T. -0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

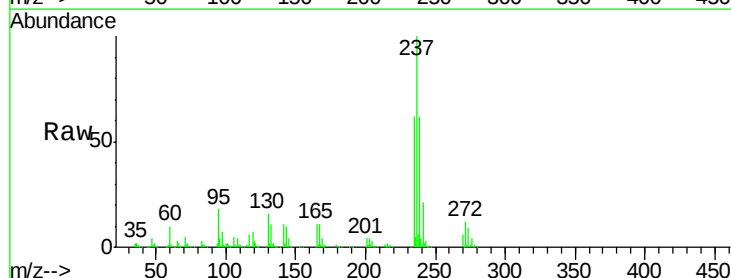
Tgt Ion:237 Resp: 212693

Ion Ratio Lower Upper

237 100

235 62.3 50.4 90.4

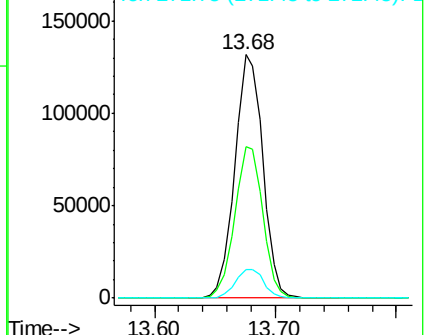
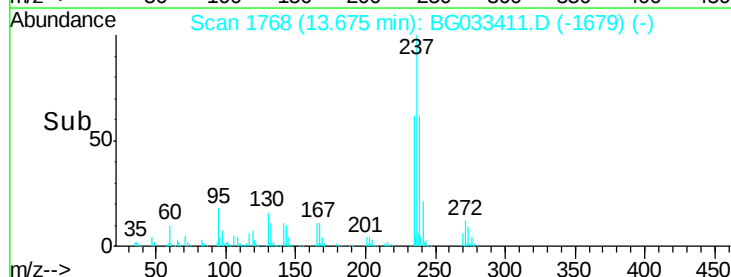
272 11.7 0.0 31.8

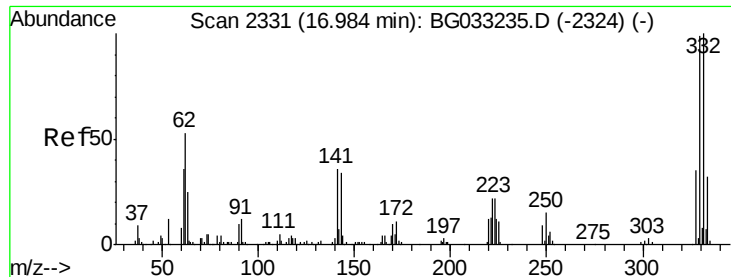


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 152.680 ng

RT: 16.97 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

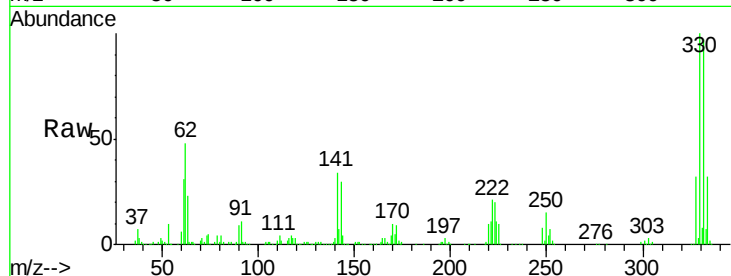
Tot Ion:330 Resp: 298963

Ion Ratio Lower Upper

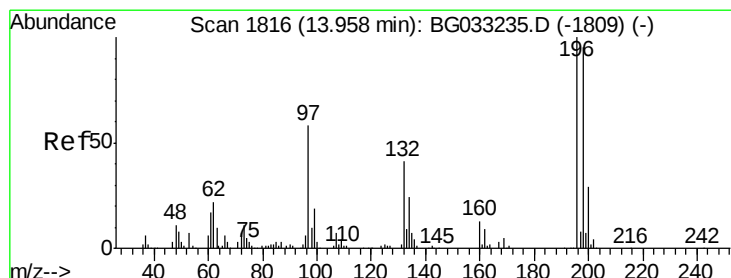
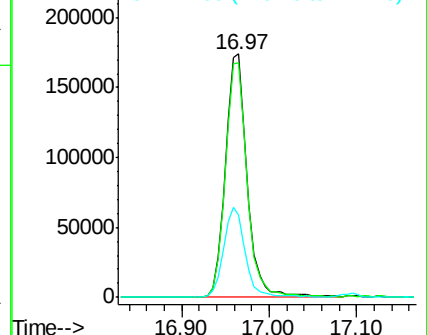
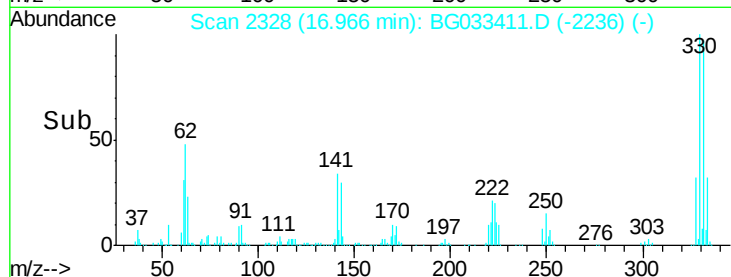
330 100

332 97.3 77.0 115.6

141 36.8 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 54.212 ng

RT: 13.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

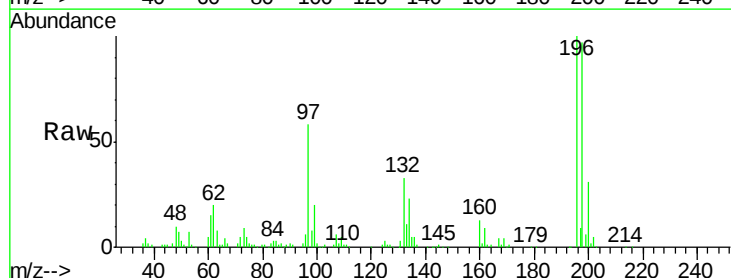
Tgt Ion:196 Resp: 149372

Ion Ratio Lower Upper

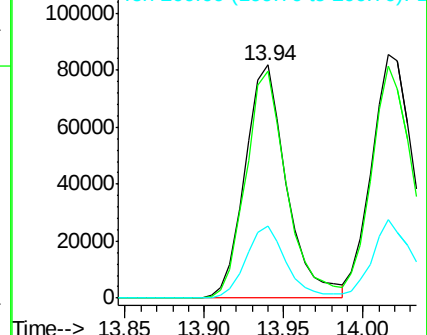
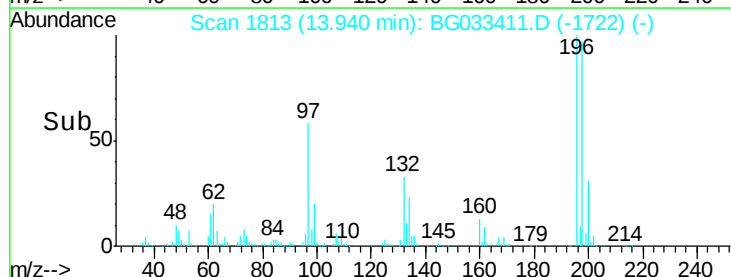
196 100

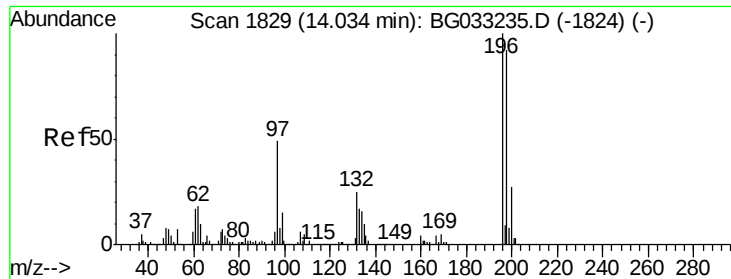
198 97.4 78.2 117.2

200 31.2 24.6 36.8



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

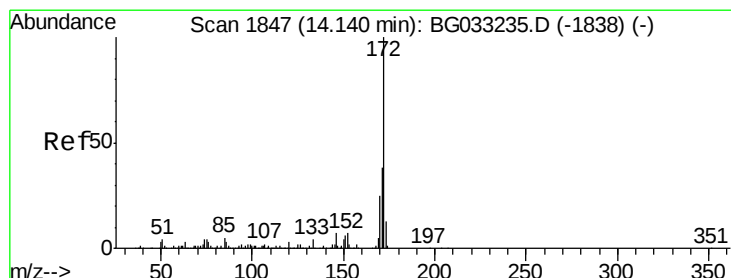
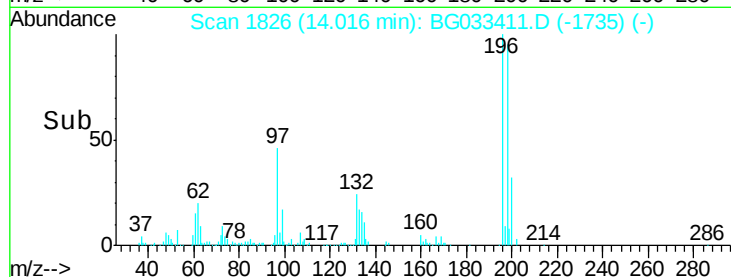
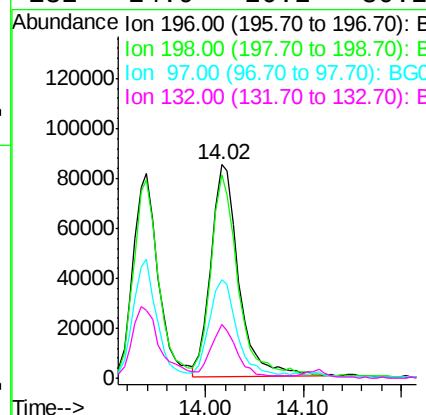
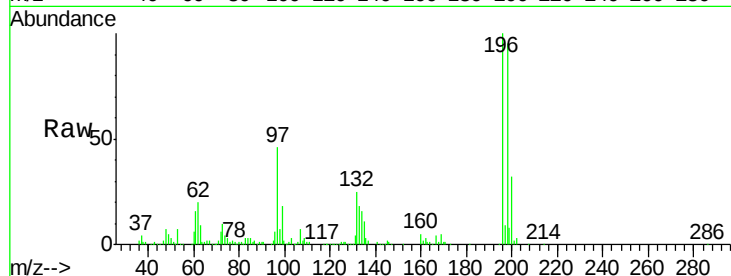




#43  
 2,4,5-Trichlorophenol  
 Concen: 51.618 ng  
 RT: 14.02 min Scan# 1826  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

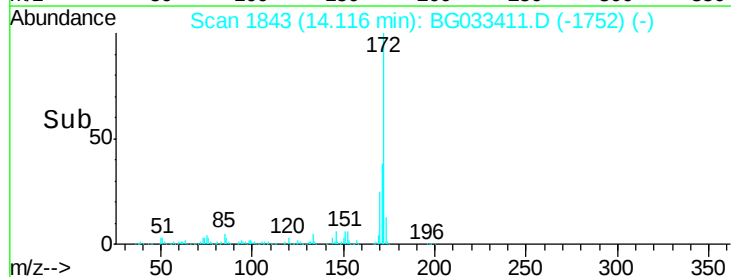
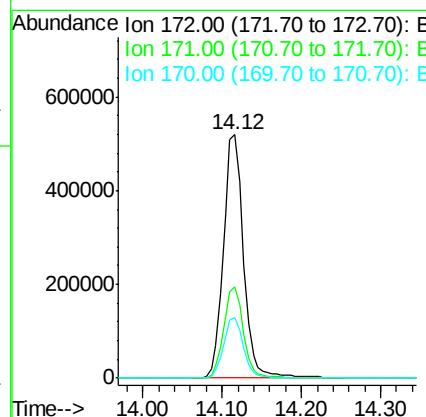
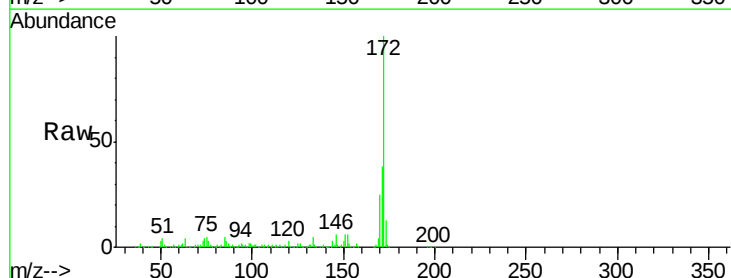
Instrument :  
 BNA\_G  
 ClientSampleId :

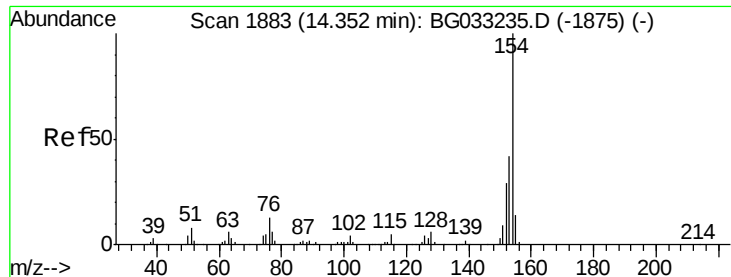
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 168110 |       |       |
| 198     | 95.1 | 76.2  | 114.4  |       |       |
| 97      | 46.3 | 38.7  | 58.1   |       |       |
| 132     | 24.9 | 20.2  | 30.2   |       |       |



#44  
 2-Fluorobiphenyl  
 Concen: 100.621 ng  
 RT: 14.12 min Scan# 1843  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 912533 |       |       |
| 171     | 37.7 | 30.0  | 45.0   |       |       |
| 170     | 25.1 | 19.5  | 29.3   |       |       |

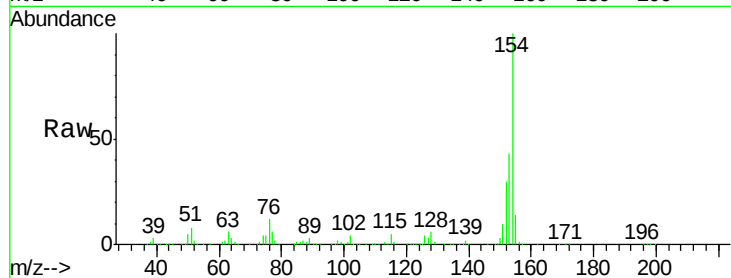




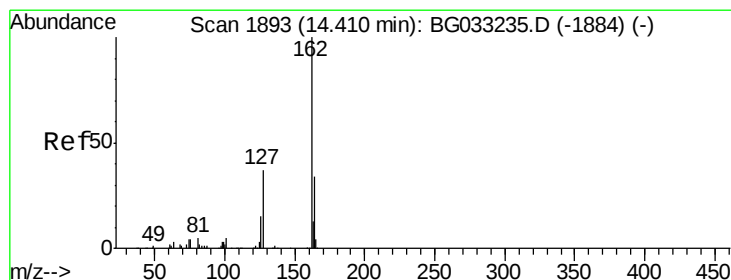
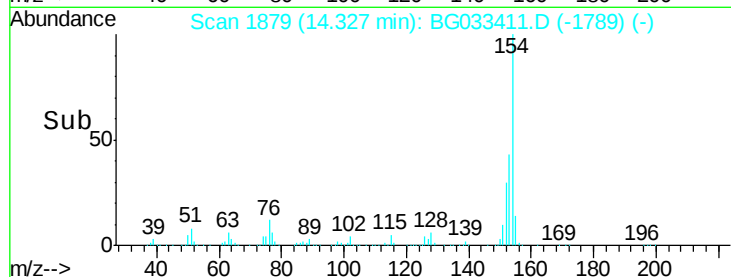
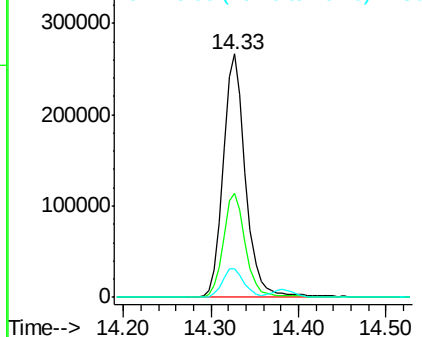
#45  
 1,1'-Biphenyl  
 Concen: 46.542 ng  
 RT: 14.33 min Scan# 1879  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.9  | 19.8  | 59.8  |
| 76      | 11.5  | 0.0   | 31.9  |

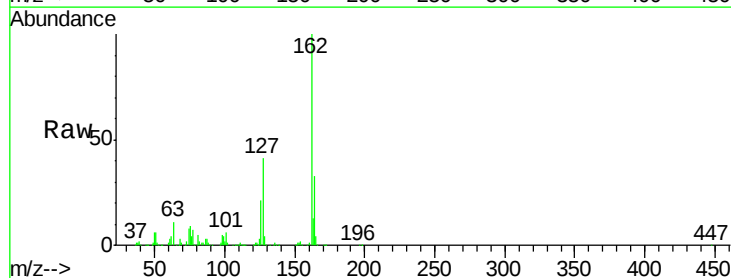


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BGC

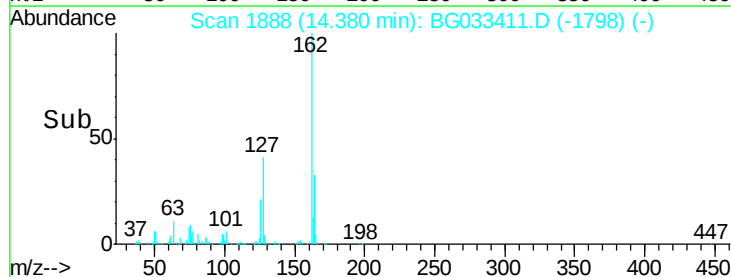
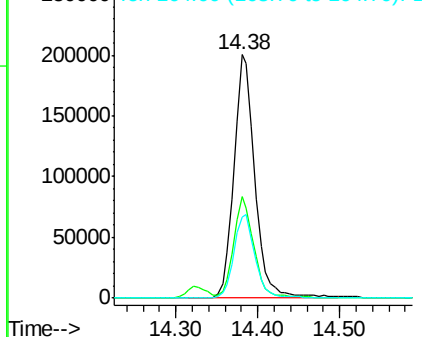


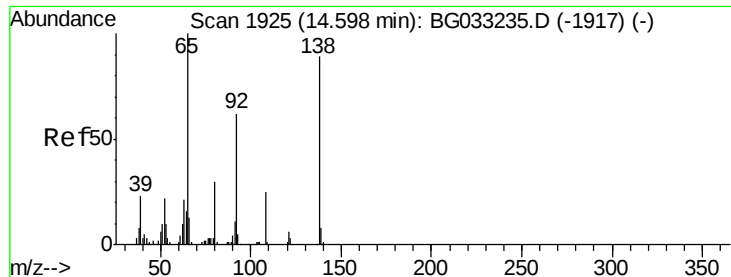
#46  
 2-Chloronaphthalene  
 Concen: 46.179 ng  
 RT: 14.38 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 41.4  | 30.7  | 46.1  |
| 164     | 33.1  | 26.0  | 39.0  |



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

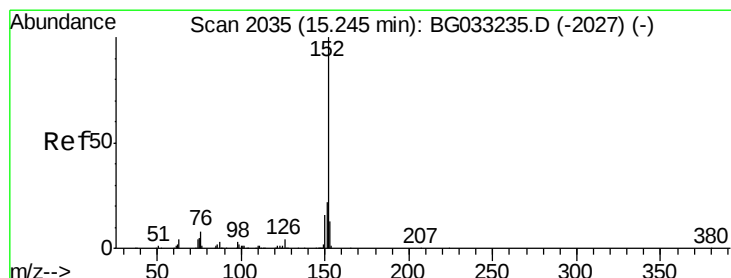
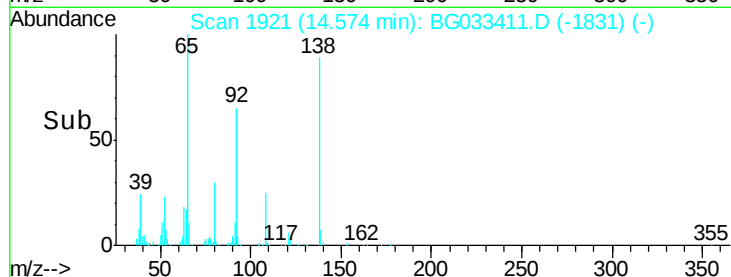
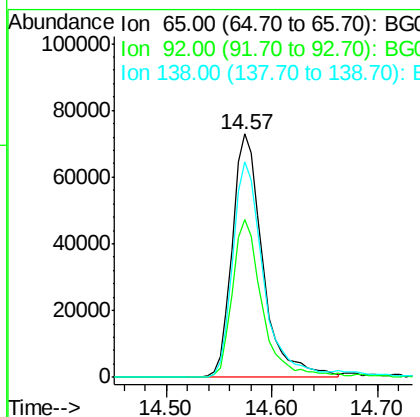
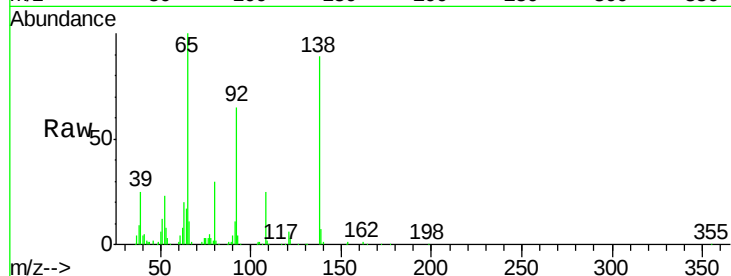




#47  
2-Nitroaniline  
Concen: 50.079 ng  
RT: 14.57 min Scan# 1921  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

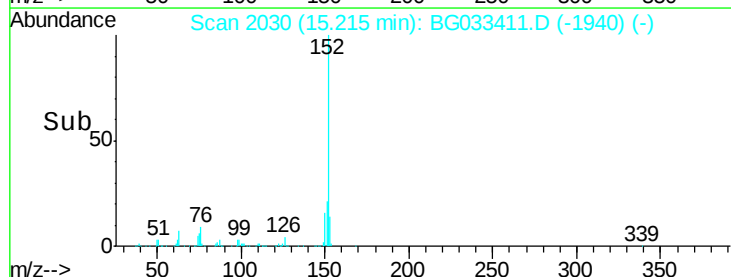
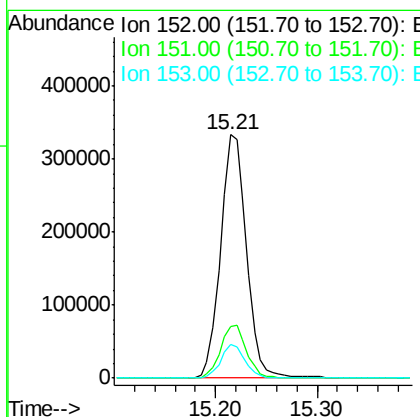
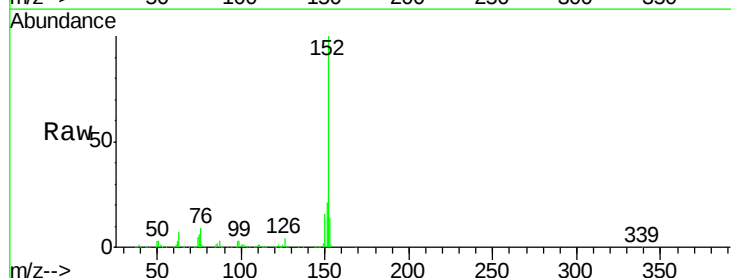
Instrument :  
BNA\_G  
ClientSampleId :

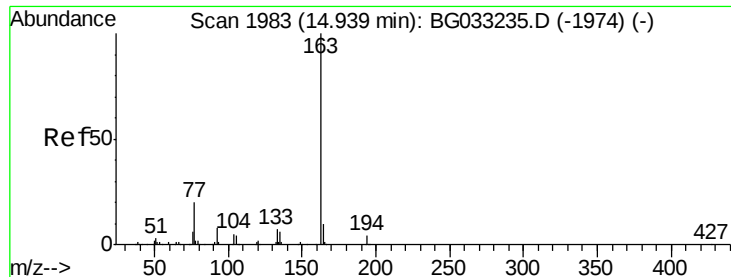
Tot Ion: 65 Resp: 145476  
Ion Ratio Lower Upper  
65 100  
92 64.9 54.6 82.0  
138 88.5 72.9 109.3



#48  
Acenaphthylene  
Concen: 45.349 ng  
RT: 15.21 min Scan# 2030  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion: 152 Resp: 587069  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.2 25.8  
153 13.8 10.2 15.4





#49

Dimethylphthalate

Concen: 46.882 ng

RT: 14.91 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

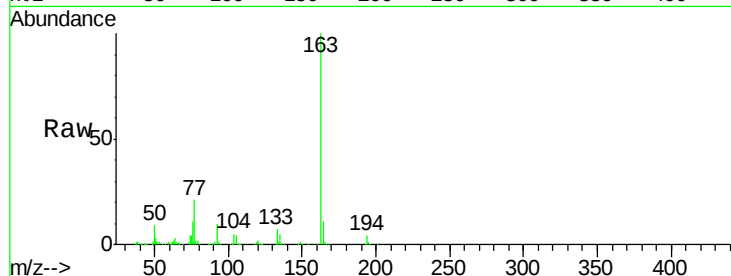
Tot Ion:163 Resp: 534165

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

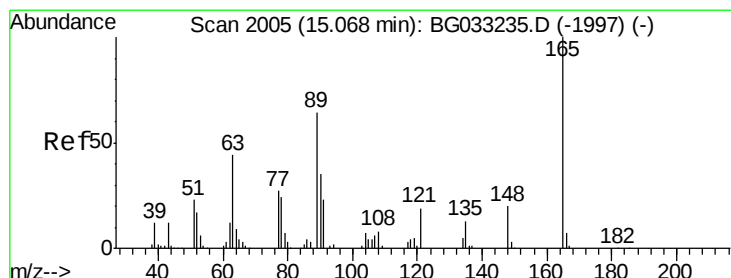
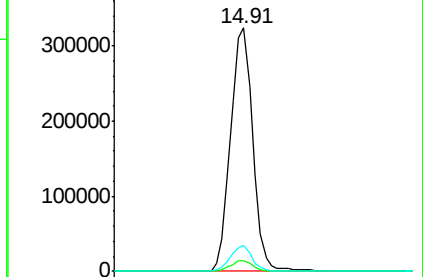
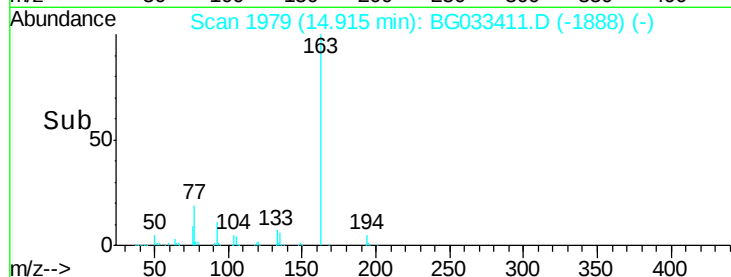
164 10.5 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.901 ng

RT: 15.04 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

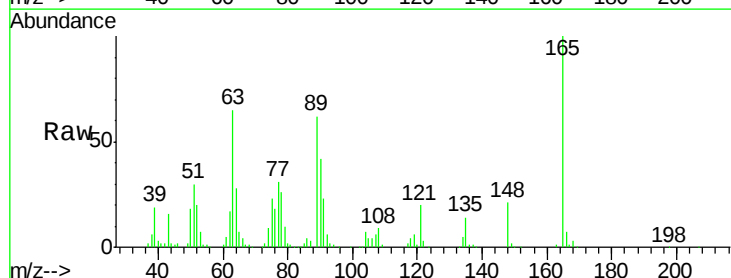
Tgt Ion:165 Resp: 118586

Ion Ratio Lower Upper

165 100

63 65.2 52.7 79.1

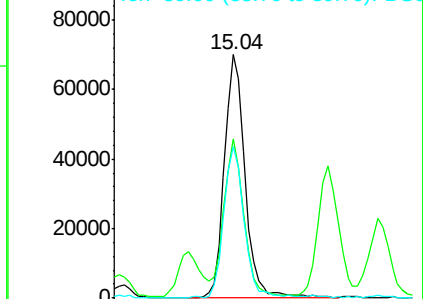
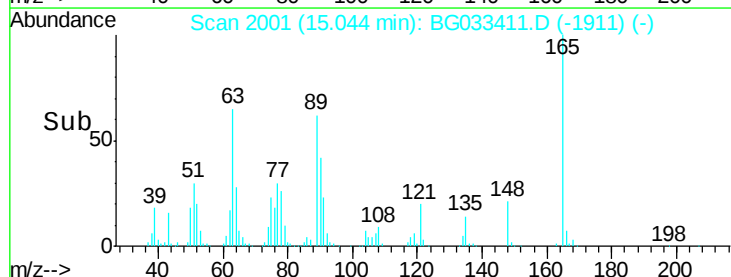
89 62.4 49.2 73.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 43.485 ng

RT: 15.55 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

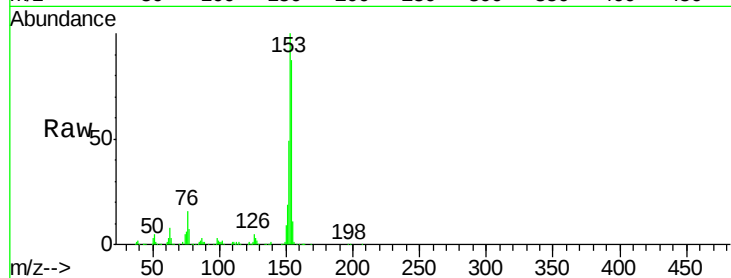
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:154 Resp: 362896

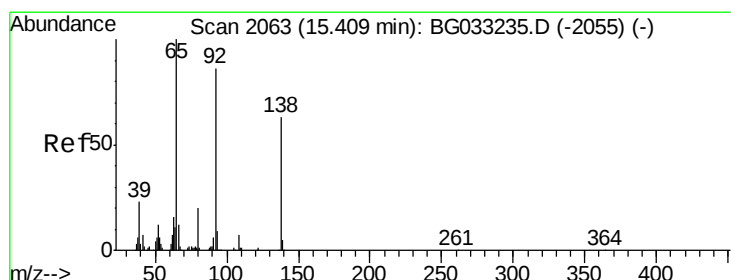
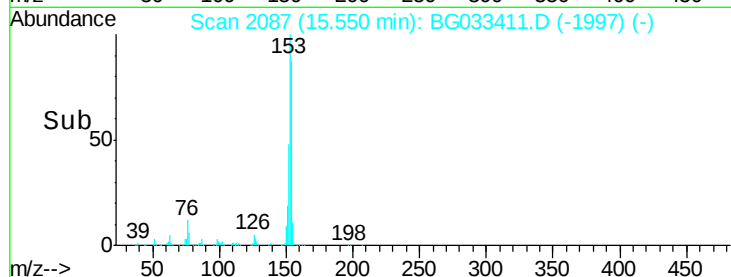
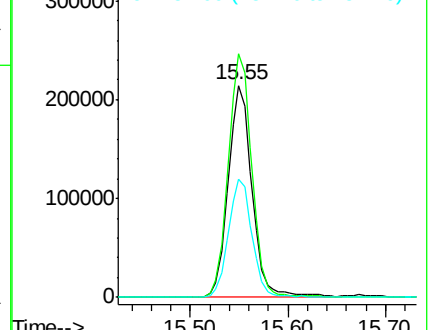
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 114.7 | 90.4  | 135.6 |
| 152 | 55.8  | 41.6  | 62.4  |



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 15.672 ng

RT: 15.39 min Scan# 2059

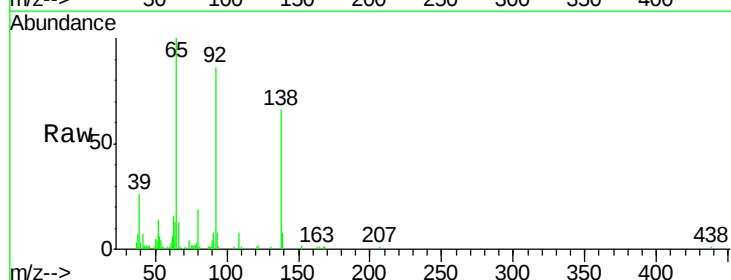
Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion:138 Resp: 38279

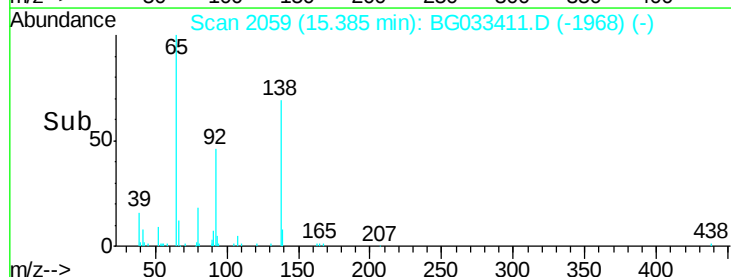
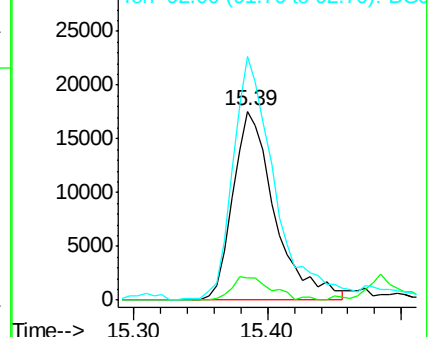
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 12.0  | 17.5  | 26.3# |
| 92  | 129.0 | 105.8 | 158.8 |

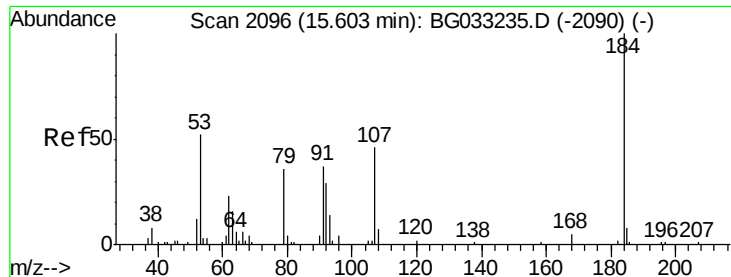


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

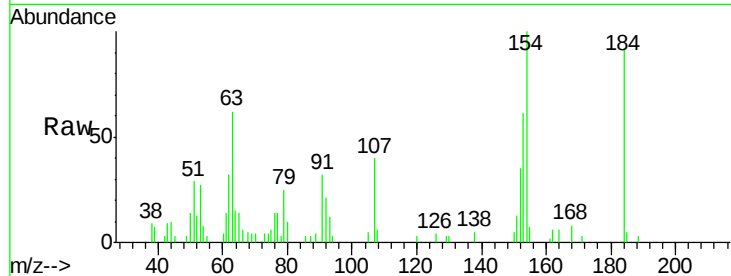




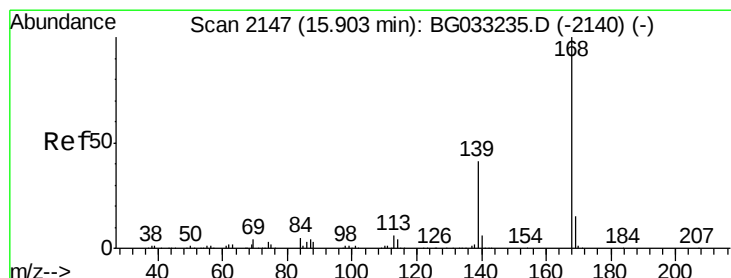
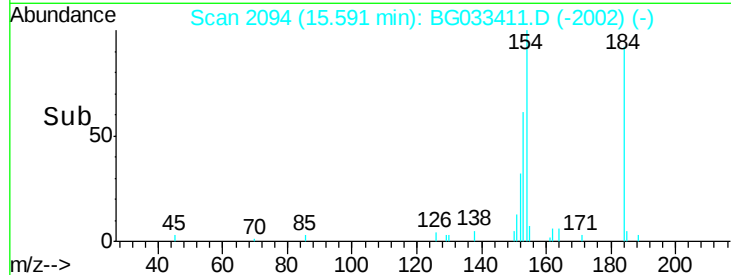
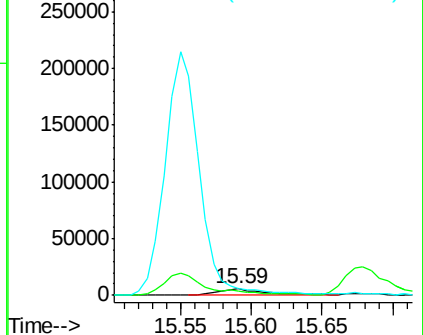
#53  
 2,4-Dinitrophenol  
 Concen: 18.327 ng  
 RT: 15.59 min Scan# 2094  
 Delta R.T. 0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:184 Resp: 14251  
 Ion Ratio Lower Upper  
 184 100  
 63 67.1 59.8 89.8  
 154 109.1 101.8 152.8

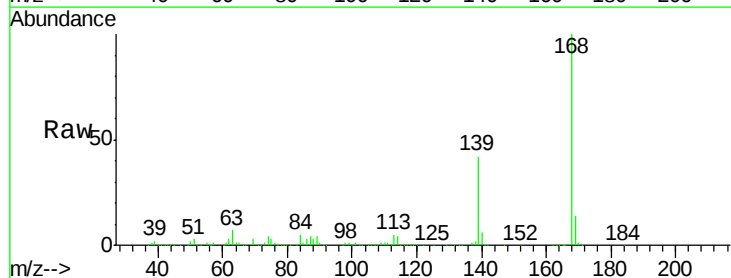


Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BGO  
 Ion 154.00 (153.70 to 154.70): E

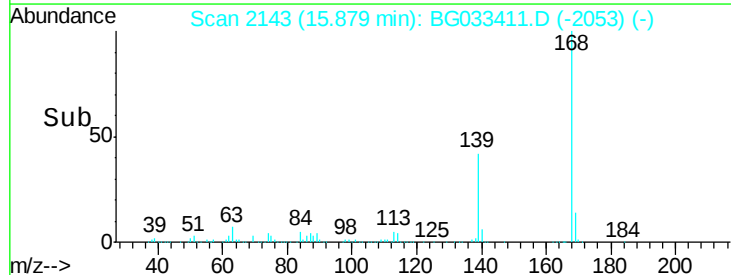
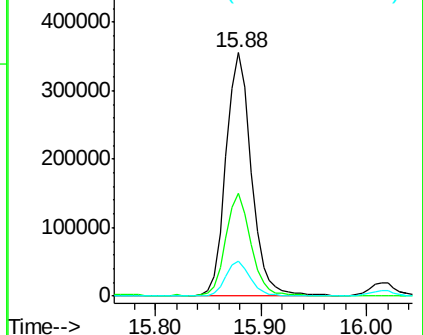


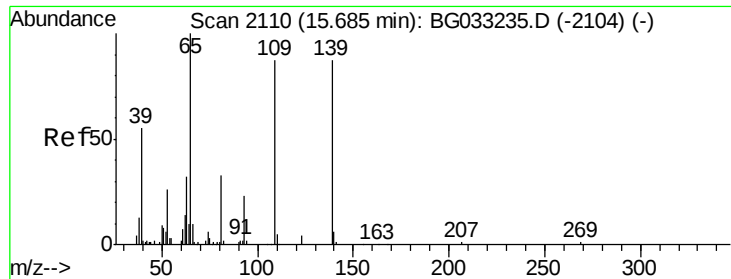
#54  
 Dibenzofuran  
 Concen: 48.296 ng  
 RT: 15.88 min Scan# 2143  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:168 Resp: 595340  
 Ion Ratio Lower Upper  
 168 100  
 139 42.2 28.6 43.0  
 169 14.2 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E  
 Ion 139.00 (138.70 to 139.70): E  
 Ion 169.00 (168.70 to 169.70): E

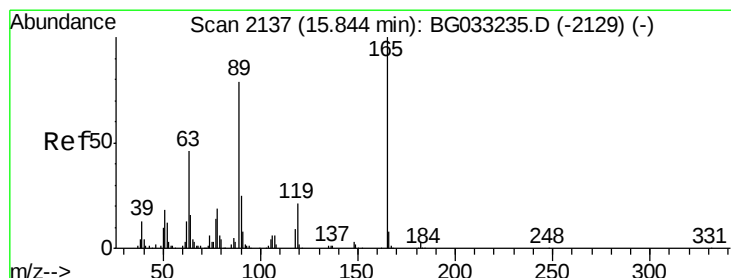
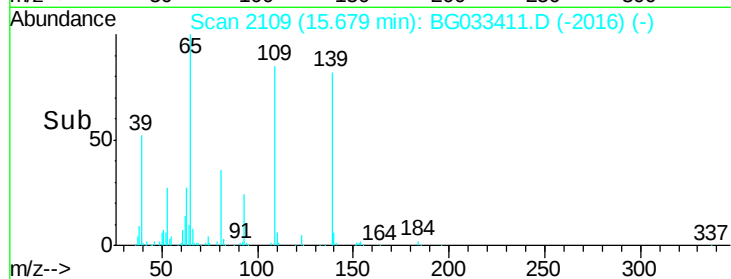
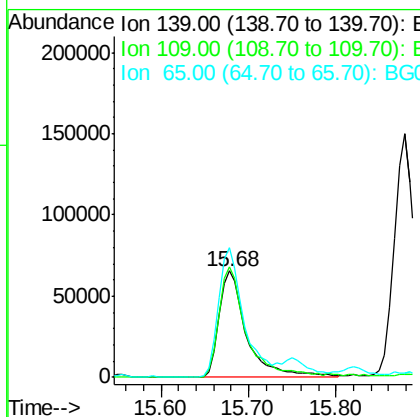
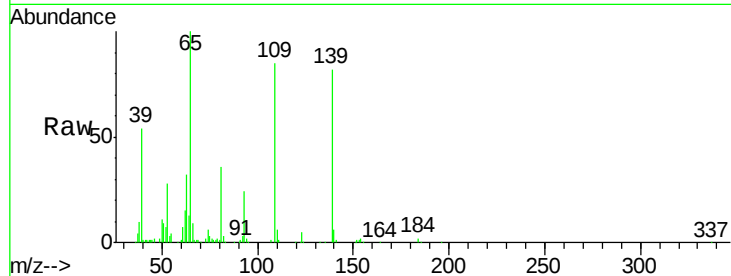




#55  
4-Nitrophenol  
Concen: 83.148 ng  
RT: 15.68 min Scan# 2109  
Delta R.T. 0.01 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

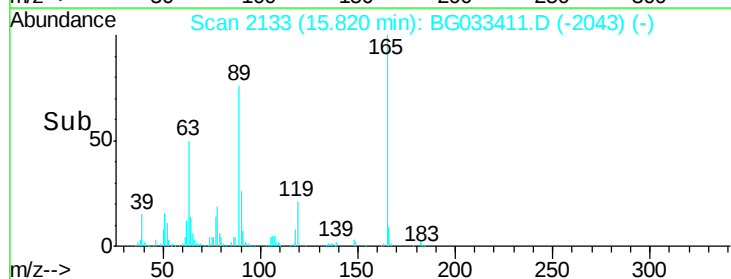
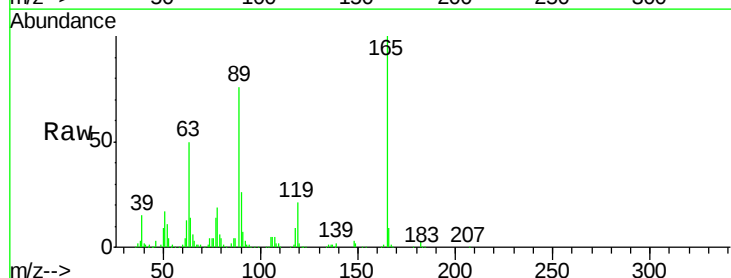
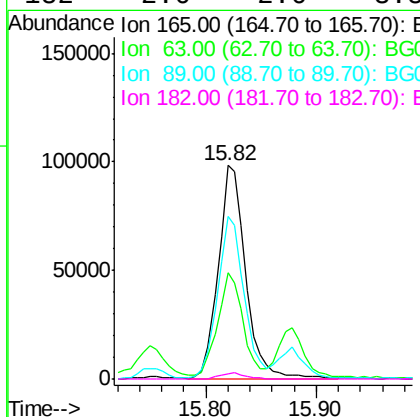
Instrument :  
BNA\_G  
ClientSampleId :

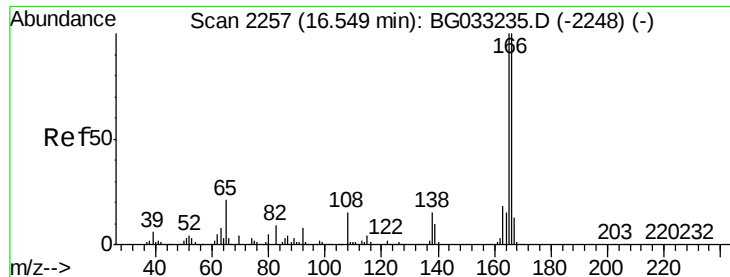
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 103.8 | 62.2  | 102.2# |
| 65      | 122.1 | 97.2  | 137.2  |



#56  
2,4-Dinitrotoluene  
Concen: 49.659 ng  
RT: 15.82 min Scan# 2133  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 49.7  | 42.0  | 63.0  |
| 89      | 76.1  | 66.9  | 100.3 |
| 182     | 2.6   | 2.6   | 3.8   |





#57

Fluorene

Concen: 47.494 ng

RT: 16.52 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

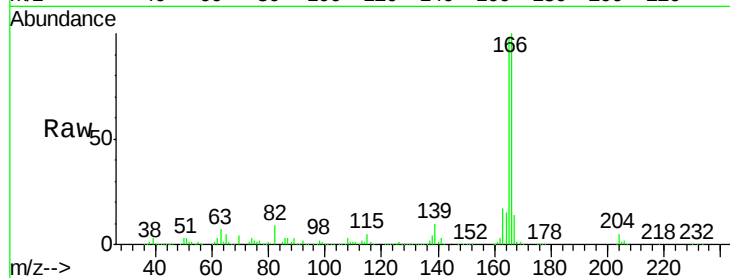
Tot Ion:166 Resp: 498767

Ion Ratio Lower Upper

166 100

165 98.1 80.6 121.0

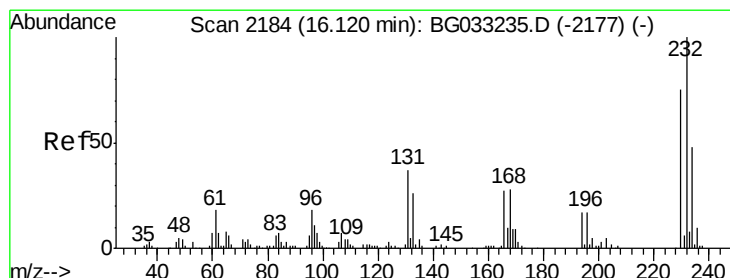
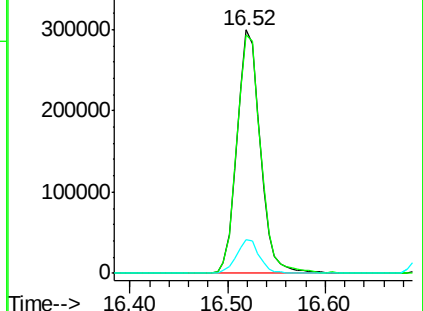
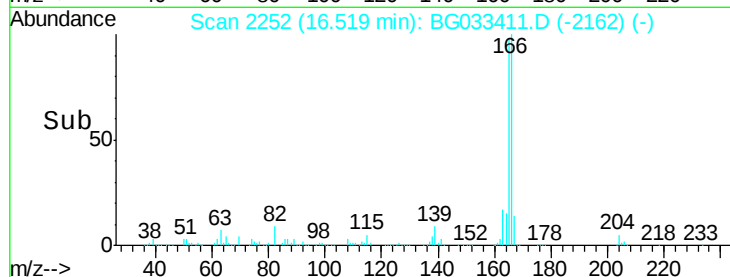
167 13.7 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.368 ng

RT: 16.10 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion:232 Resp: 160560

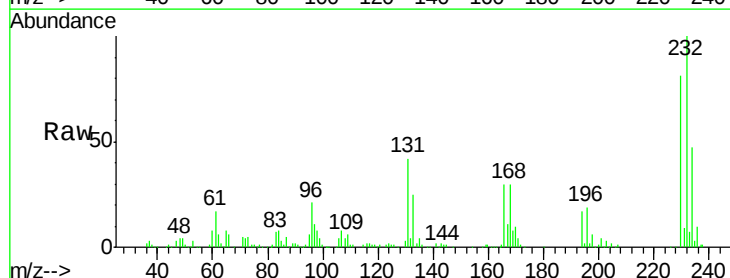
Ion Ratio Lower Upper

232 100

131 35.9 33.5 50.3

130 2.7 2.2 3.2

166 28.0 24.8 37.2

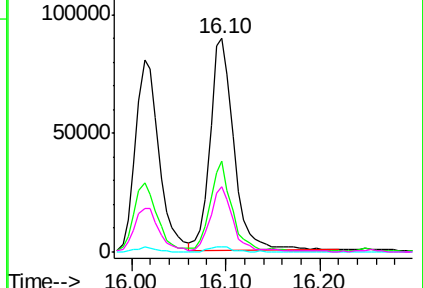
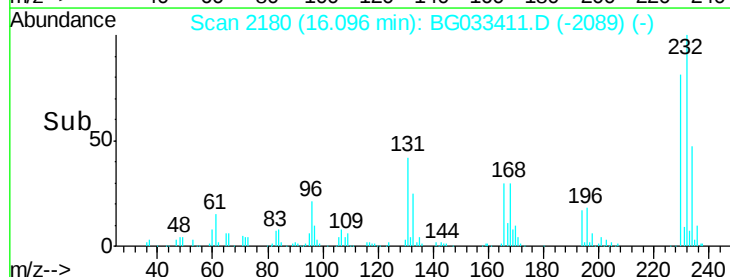


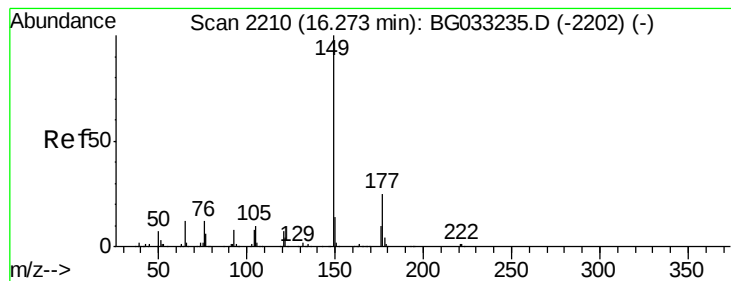
Abundance Ion 232.00 (231.70 to 232.70): E

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





#59

Diethylphthalate

Concen: 48.094 ng

RT: 16.25 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

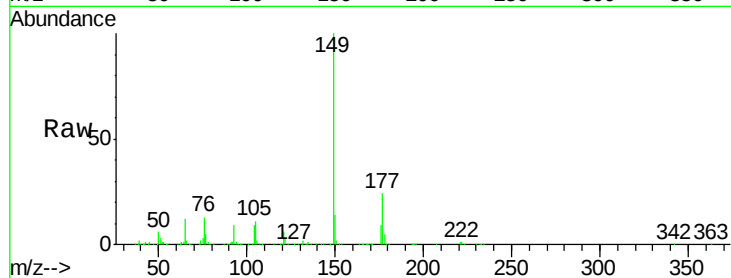
Tot Ion:149 Resp: 532093

Ion Ratio Lower Upper

149 100

177 24.2 18.5 27.7

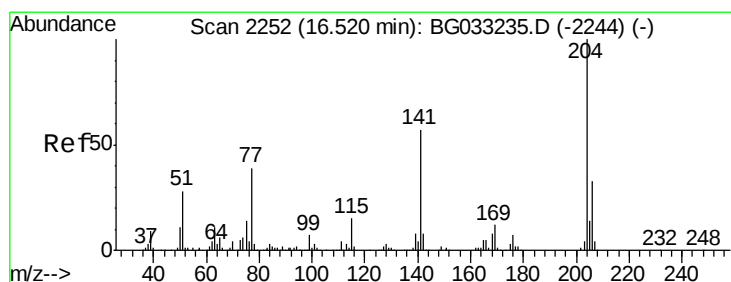
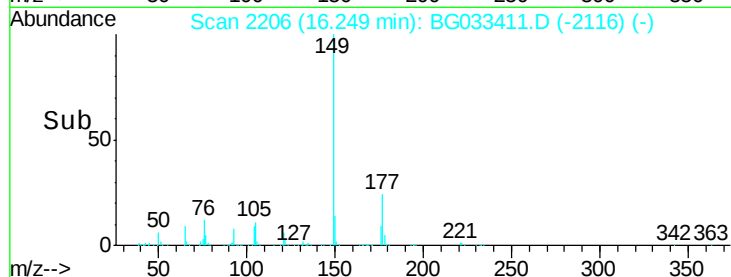
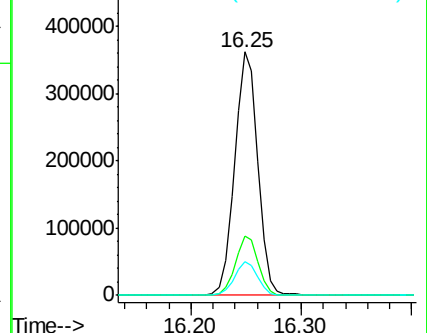
150 13.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 47.594 ng

RT: 16.50 min Scan# 2248

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

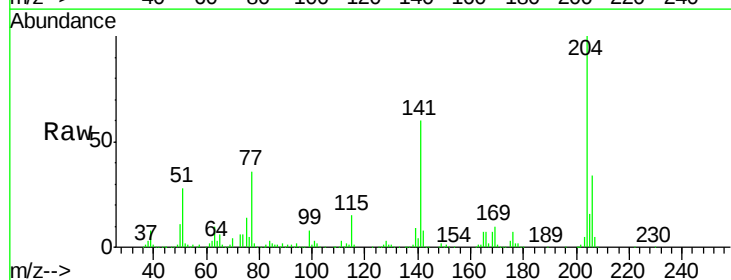
Tgt Ion:204 Resp: 287318

Ion Ratio Lower Upper

204 100

206 33.5 26.2 39.2

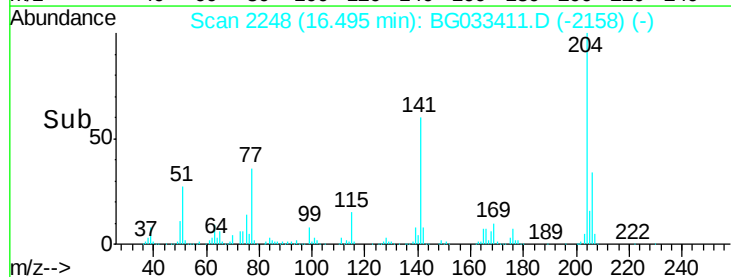
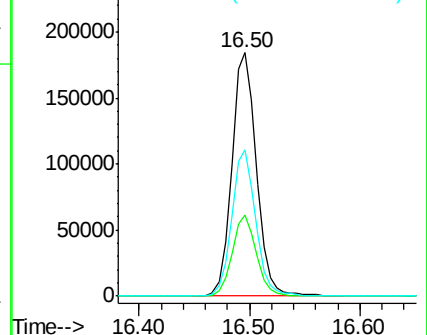
141 60.1 45.8 68.6

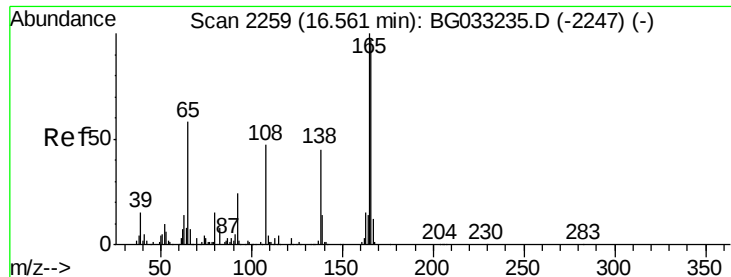


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

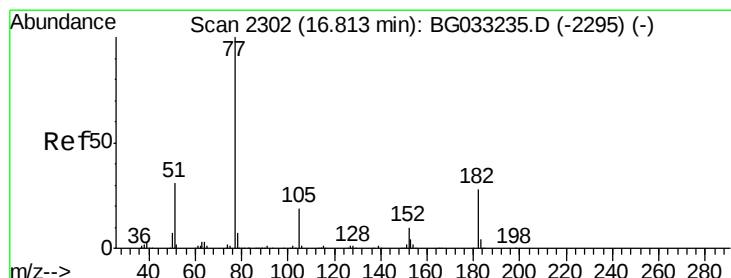
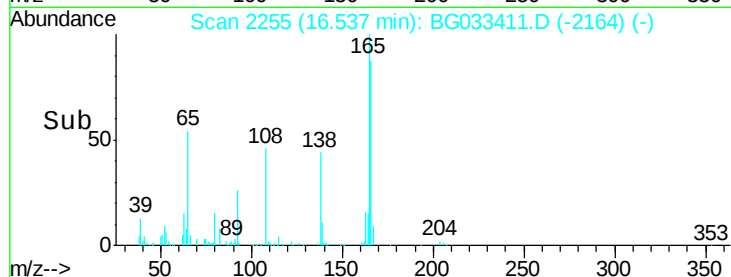
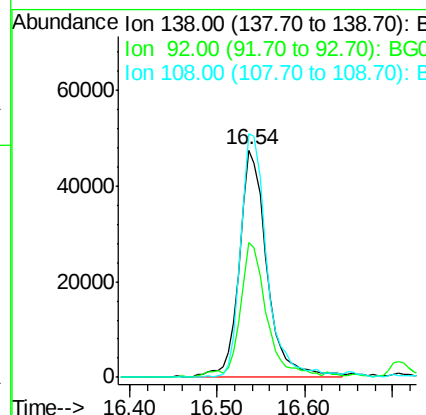
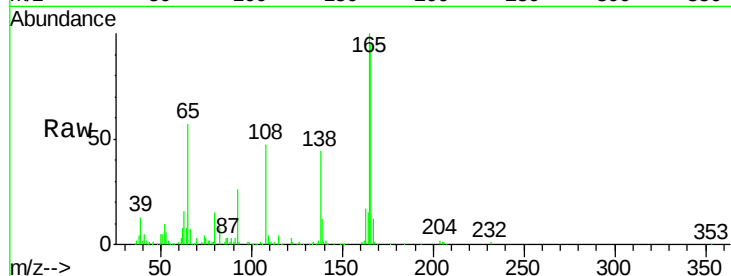




#61  
4-Nitroaniline  
Concen: 41.245 ng  
RT: 16.54 min Scan# 2255  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

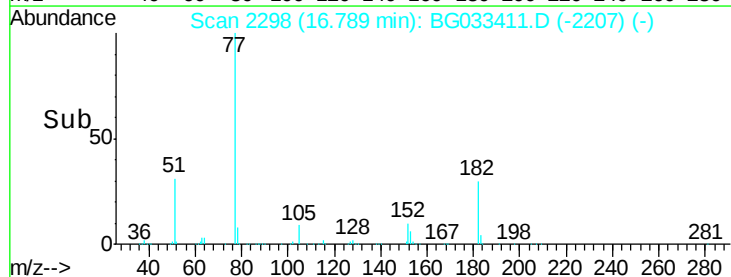
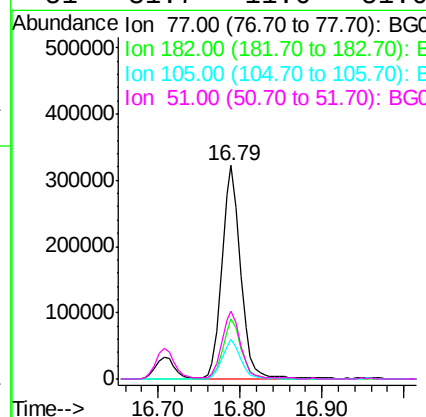
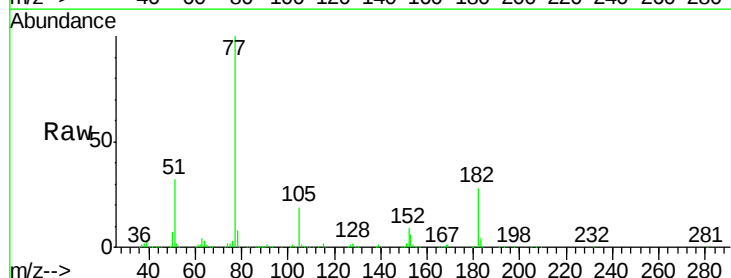
Instrument :  
BNA\_G  
ClientSampleId :

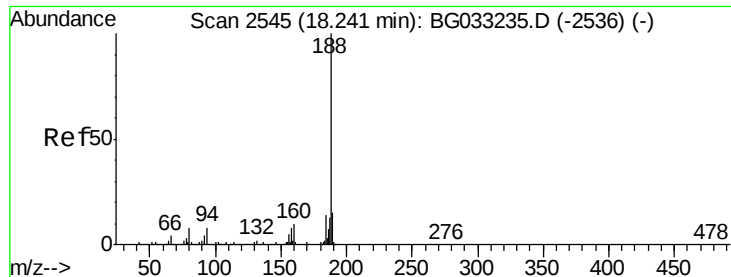
Tot Ion:138 Resp: 102017  
Ion Ratio Lower Upper  
138 100  
92 59.5 40.1 80.1  
108 107.0 65.4 105.4#



#62  
Azobenzene  
Concen: 47.640 ng  
RT: 16.79 min Scan# 2298  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion: 77 Resp: 510577  
Ion Ratio Lower Upper  
77 100  
182 28.1 7.4 47.4  
105 18.6 0.3 40.3  
51 31.7 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.22 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

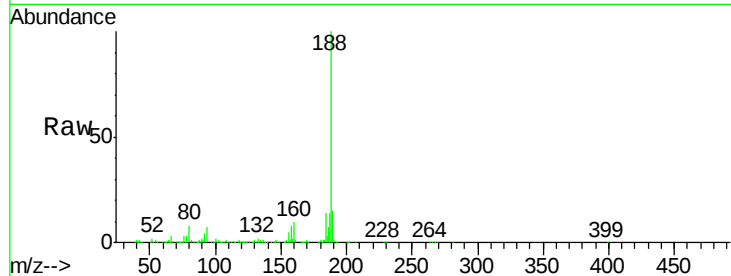
Tot Ion:188 Resp: 330634

Ion Ratio Lower Upper

188 100

94 6.8 6.9 10.3#

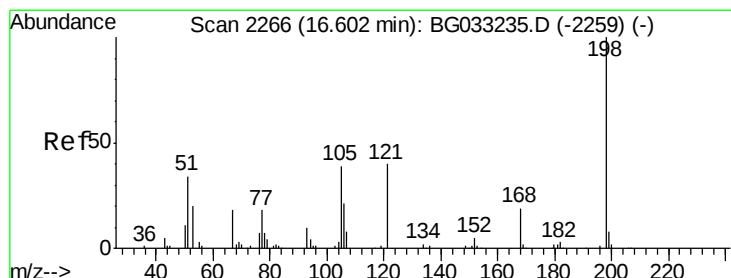
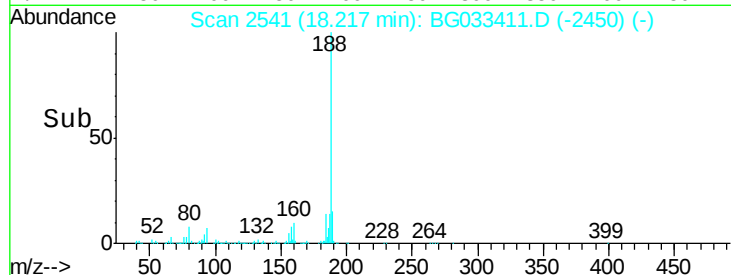
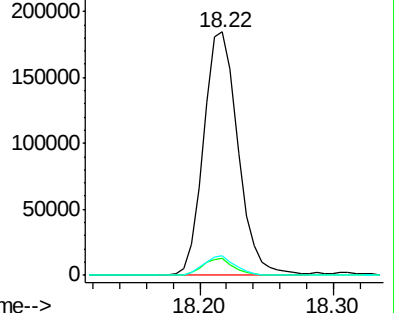
80 7.9 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 12.508 ng

RT: 16.58 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

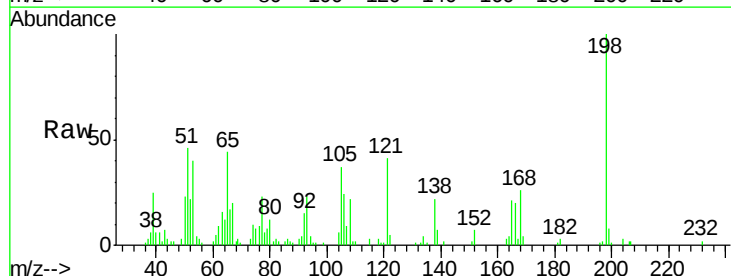
Tgt Ion:198 Resp: 24740

Ion Ratio Lower Upper

198 100

51 45.7 30.6 70.6

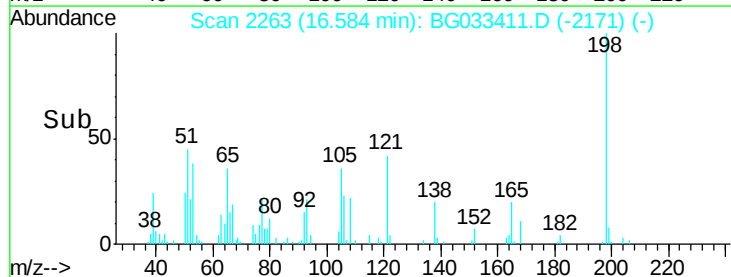
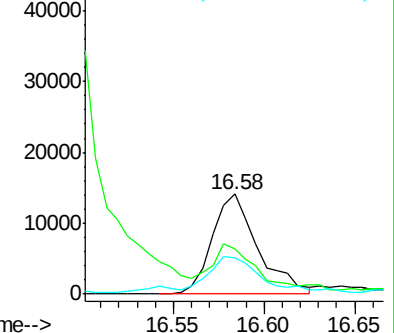
105 37.0 23.8 63.8

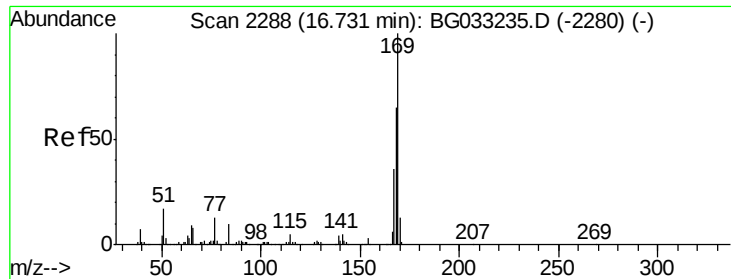


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

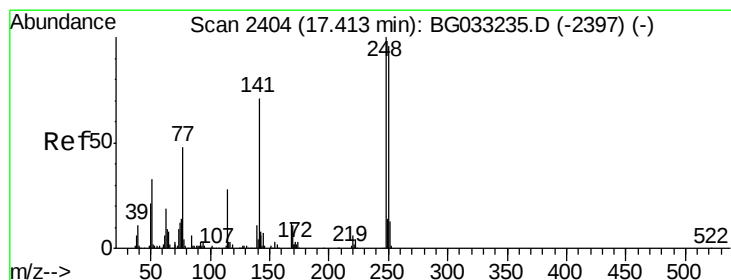
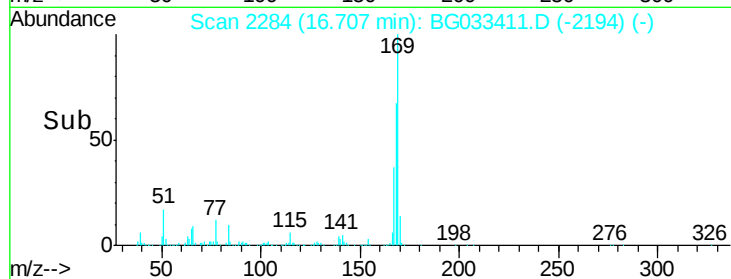
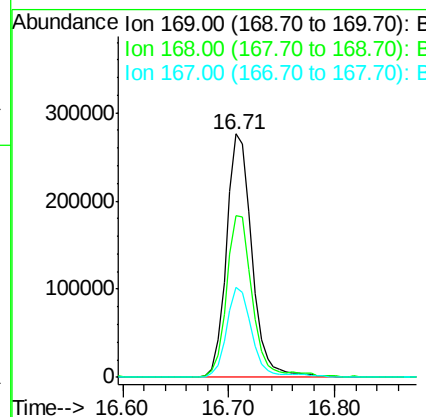
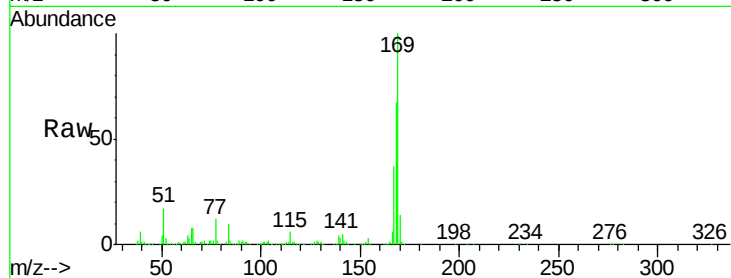




#65  
 n-Nitrosodiphenylamine  
 Concen: 48.936 ng  
 RT: 16.71 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

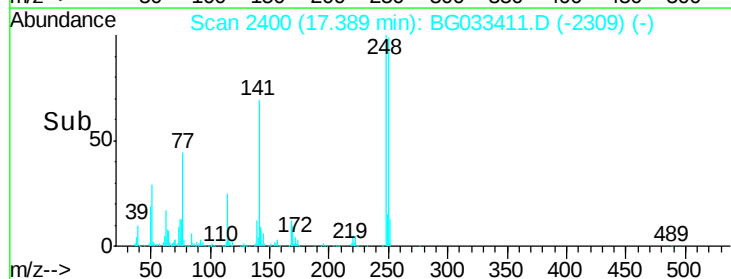
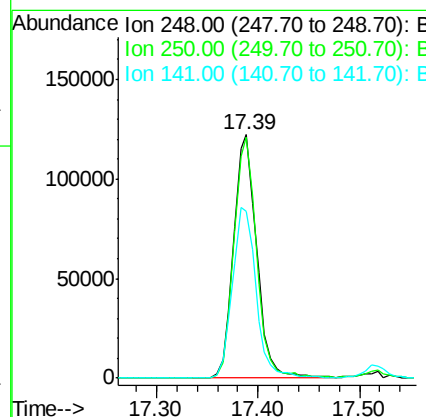
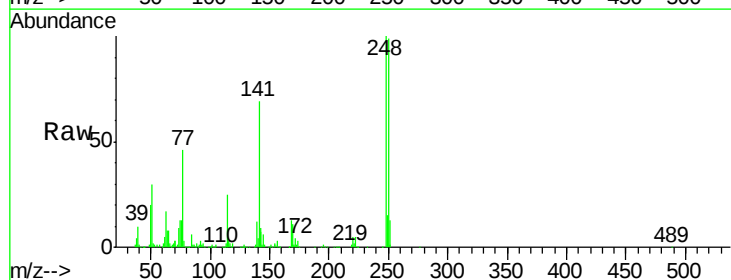
Instrument :  
 BNA\_G  
 ClientSampleId :

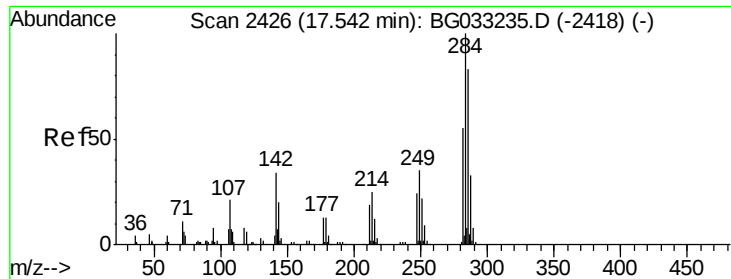
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.7  | 55.7  | 83.5  |
| 167     | 36.8  | 30.1  | 45.1  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 49.940 ng  
 RT: 17.39 min Scan# 2400  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 99.2  | 77.1  | 115.7 |
| 141     | 68.7  | 50.8  | 76.2  |





#67

Hexachlorobenzene

Concen: 47.899 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

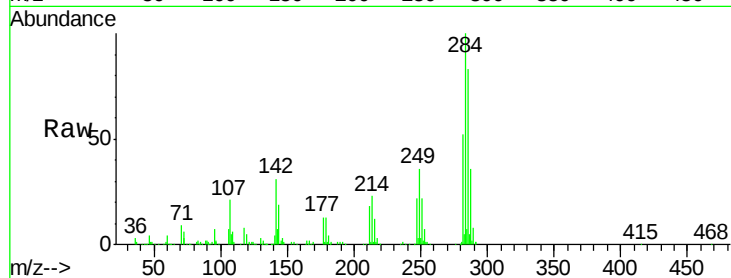
Tot Ion:284 Resp: 196289

Ion Ratio Lower Upper

284 100

142 31.5 26.8 40.2

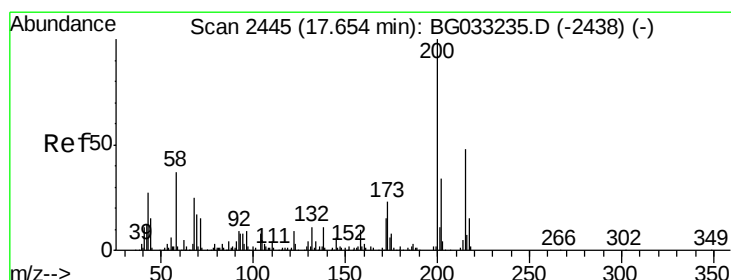
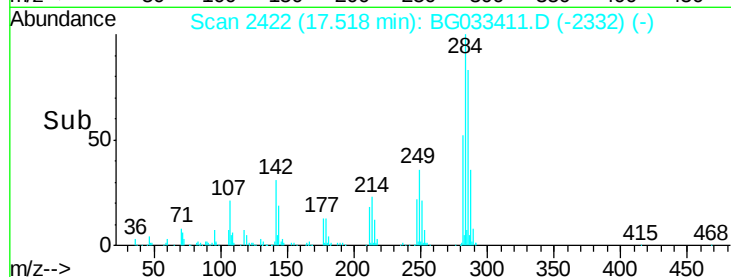
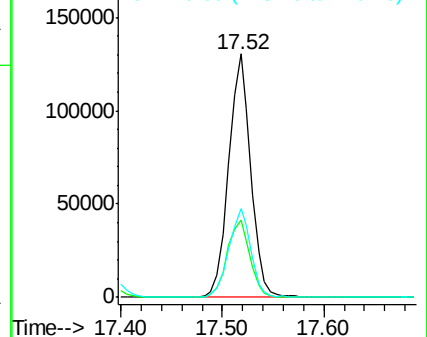
249 36.3 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 50.246 ng

RT: 17.63 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

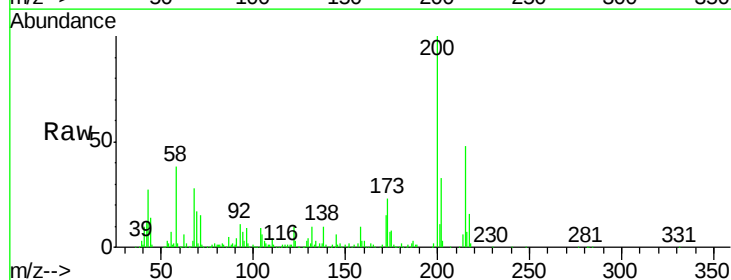
Tgt Ion:200 Resp: 192189

Ion Ratio Lower Upper

200 100

173 23.2 5.2 45.2

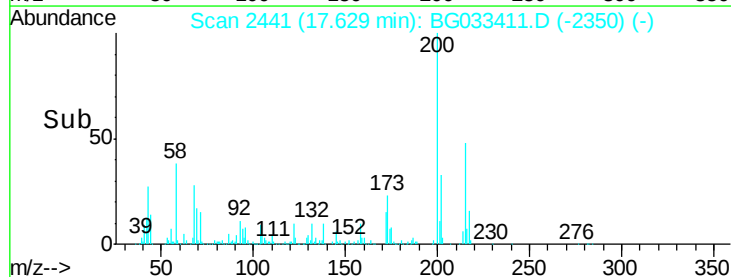
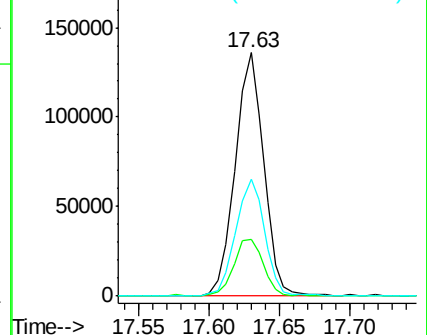
215 48.2 30.4 70.4

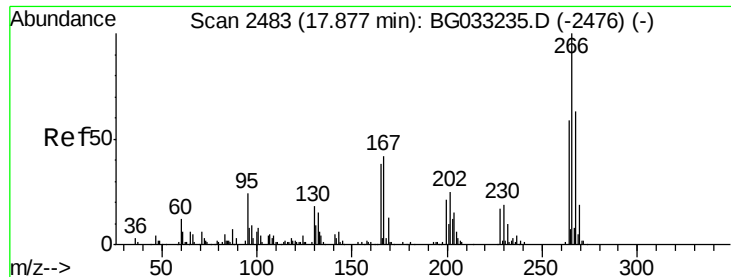


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

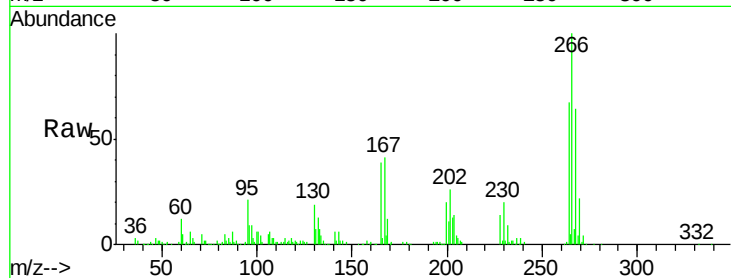




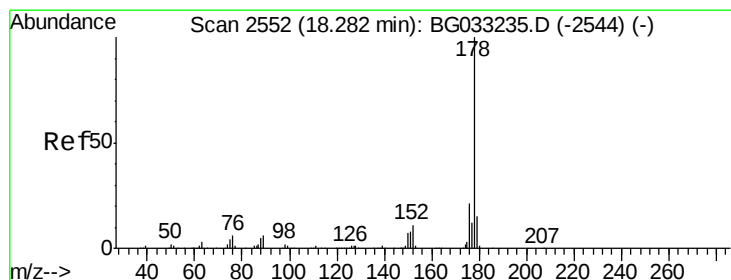
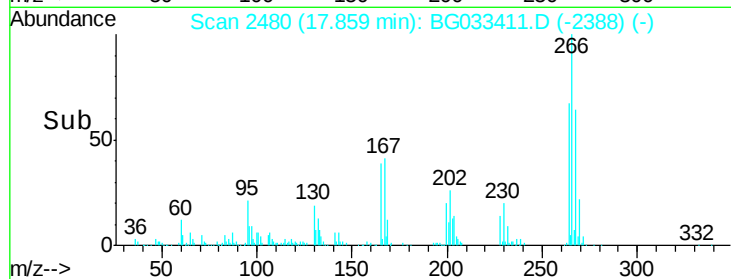
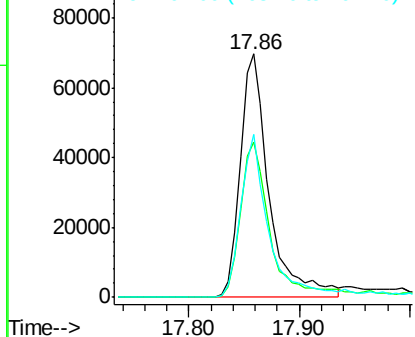
#69  
 Pentachlorophenol  
 Concen: 45.433 ng  
 RT: 17.86 min Scan# 2480  
 Delta R.T. 0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:266 Resp: 127788  
 Ion Ratio Lower Upper  
 266 100  
 268 63.6 51.1 76.7  
 264 66.8 49.6 74.4

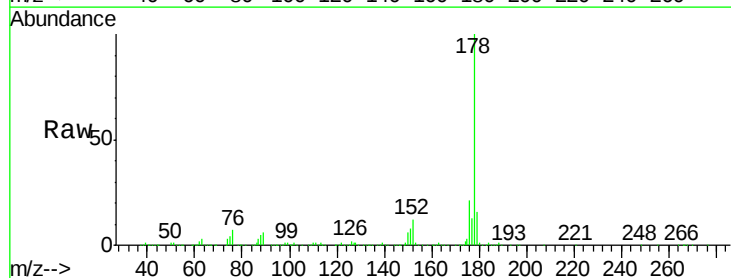


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

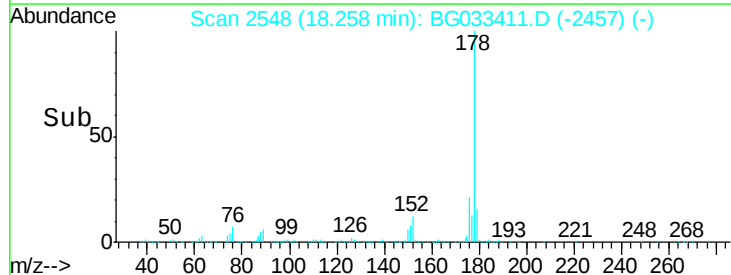
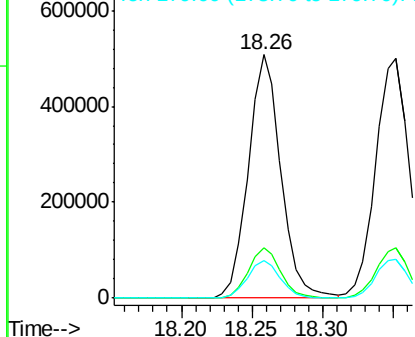


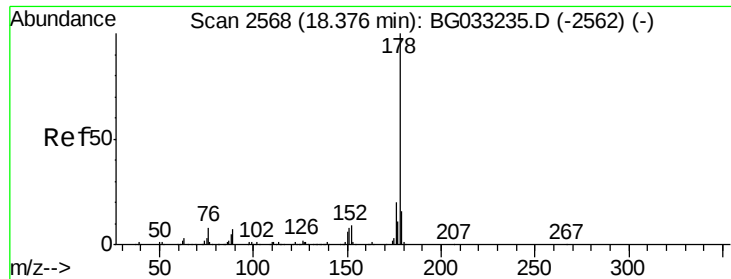
#70  
 Phenanthrene  
 Concen: 47.733 ng  
 RT: 18.26 min Scan# 2548  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:178 Resp: 821927  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 15.7 23.5  
 179 15.7 12.5 18.7



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

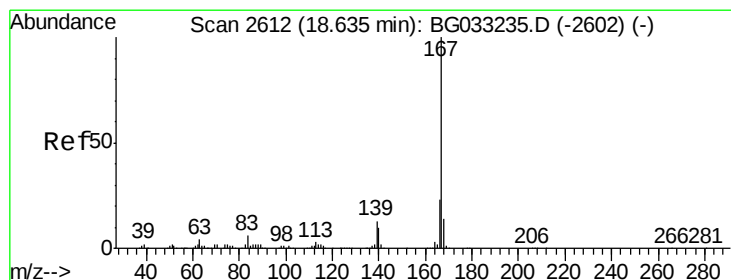
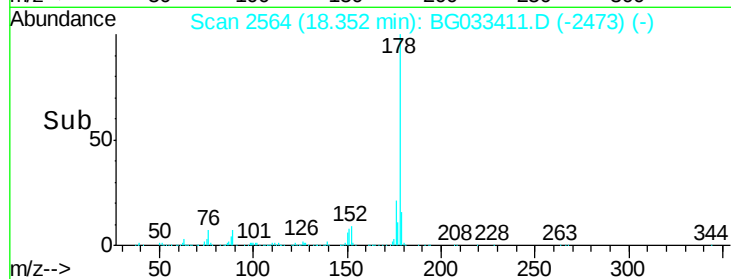
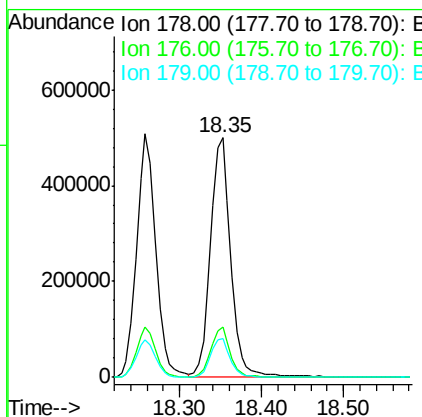
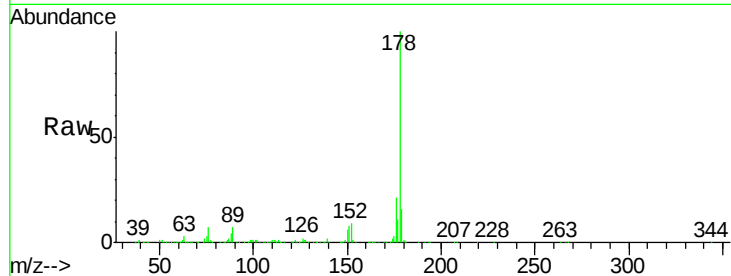




#71  
 Anthracene  
 Concen: 49.284 ng  
 RT: 18.35 min Scan# 2564  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

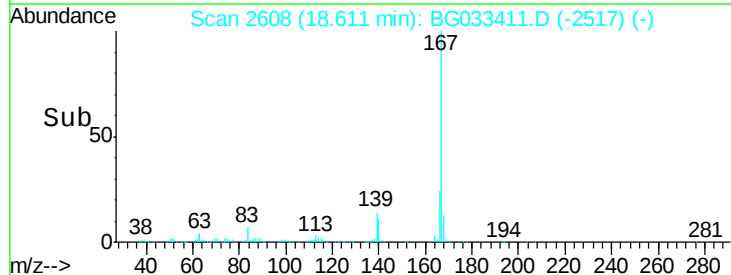
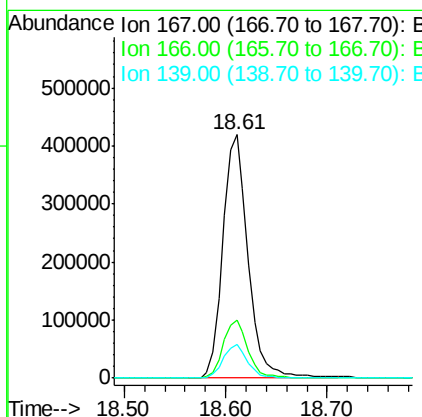
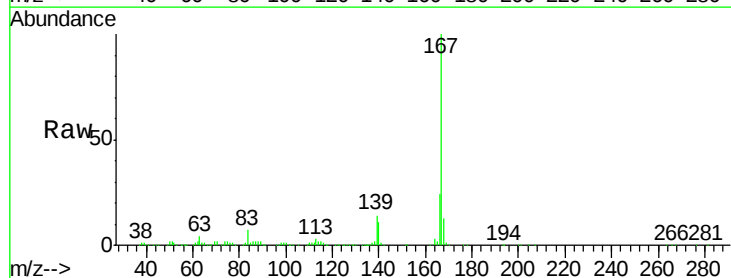
Instrument :  
 BNA\_G  
 ClientSampleId :

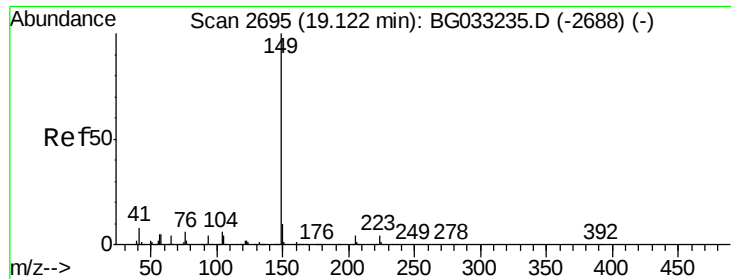
Tot Ion:178 Resp: 859273  
 Ion Ratio Lower Upper  
 178 100  
 176 21.0 16.0 24.0  
 179 16.3 12.5 18.7



#72  
 Carbazole  
 Concen: 46.752 ng  
 RT: 18.61 min Scan# 2608  
 Delta R.T. 0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:167 Resp: 722312  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 18.2 27.4  
 139 13.8 9.4 14.2

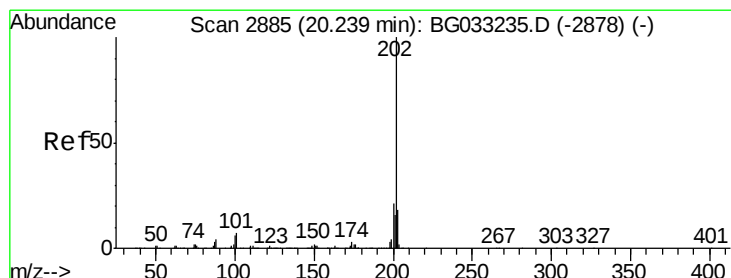
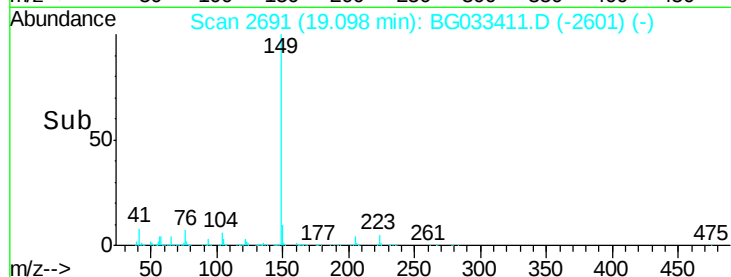
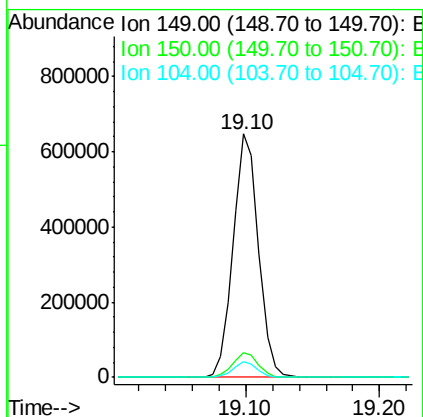
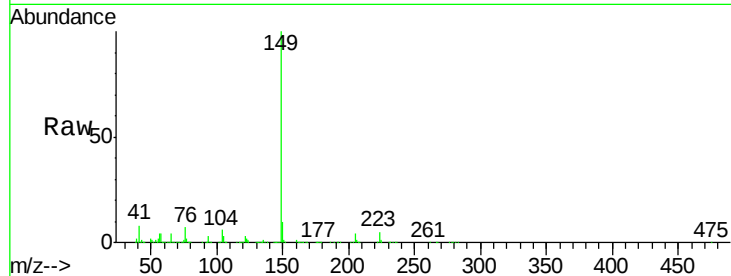




#73  
Di-n-butylphthalate  
Concen: 47.666 ng  
RT: 19.10 min Scan# 2691  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

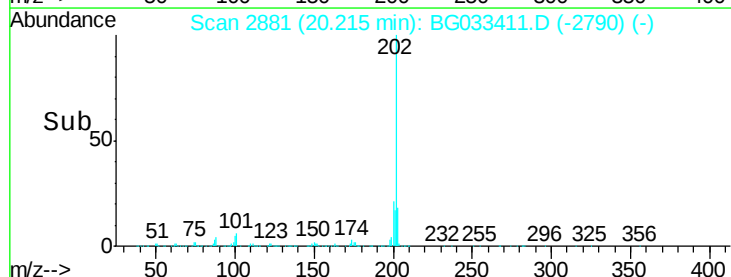
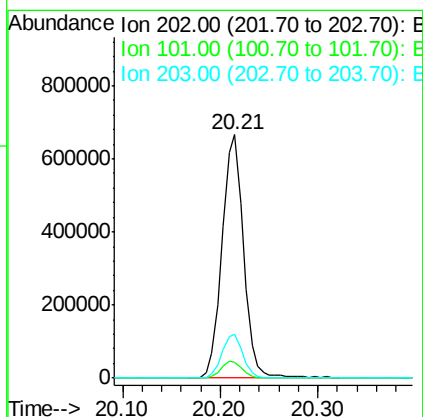
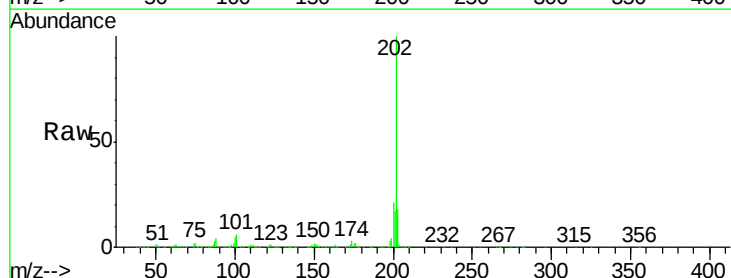
Instrument :  
BNA\_G  
ClientSampleId :

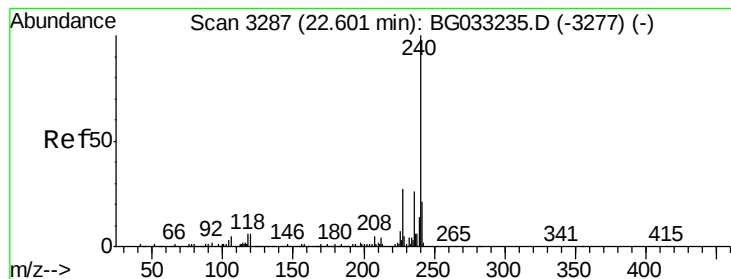
Tot Ion:149 Resp: 857190  
Ion Ratio Lower Upper  
149 100  
150 10.3 7.8 11.6  
104 6.4 3.9 5.9#



#74  
Fluoranthene  
Concen: 47.652 ng  
RT: 20.21 min Scan# 2881  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion:202 Resp: 1015411  
Ion Ratio Lower Upper  
202 100  
101 6.5 0.0 28.9  
203 18.1 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3281

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

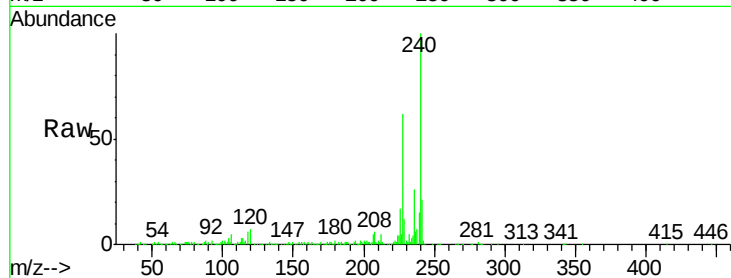
Tot Ion:240 Resp: 338013

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2#

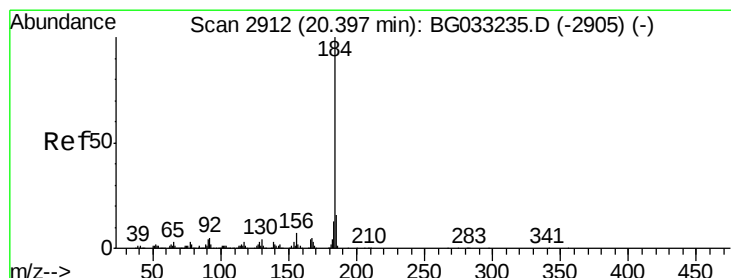
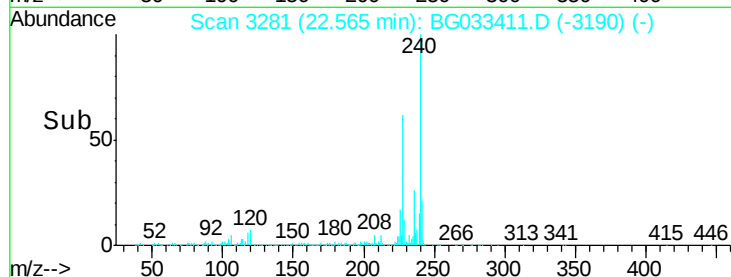
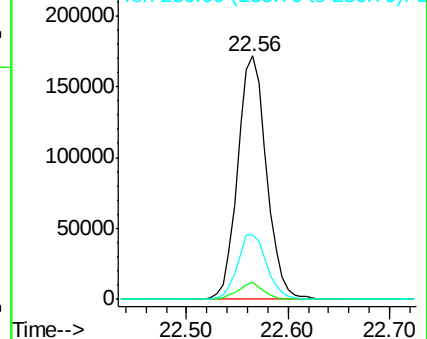
236 26.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 8.839 ng

RT: 20.37 min Scan# 2908

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

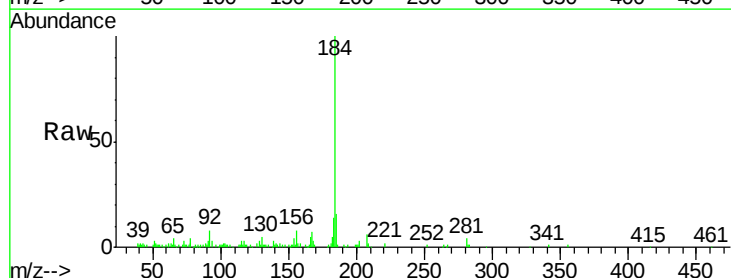
Tgt Ion:184 Resp: 81025

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

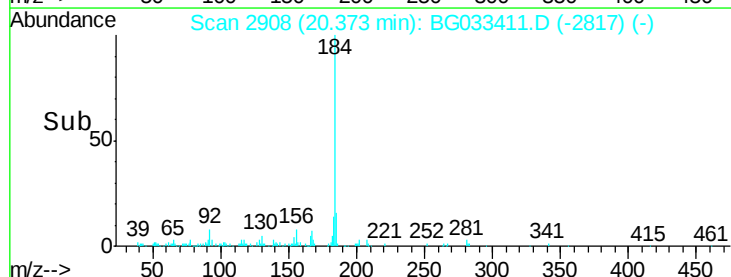
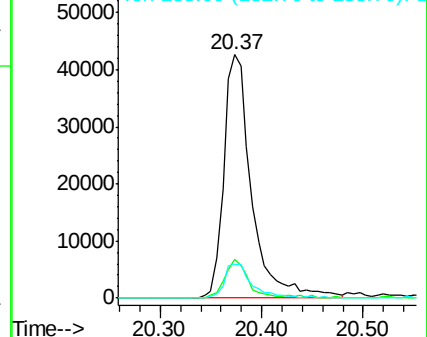
183 13.8 10.6 16.0

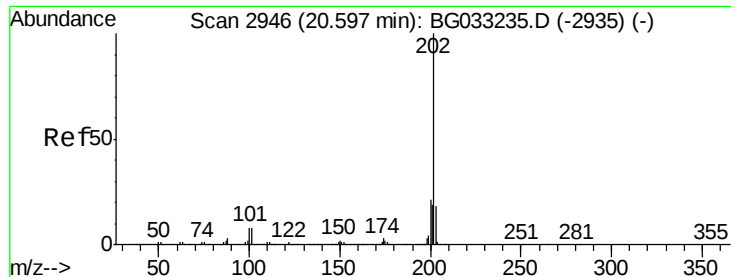


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 45.113 ng

RT: 20.57 min Scan# 2941

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

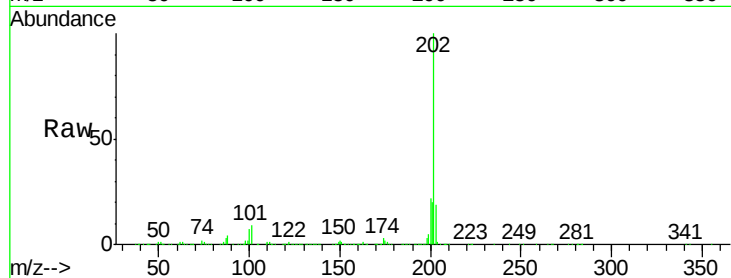
Tot Ion:202 Resp: 1016998

Ion Ratio Lower Upper

202 100

200 21.7 16.9 25.3

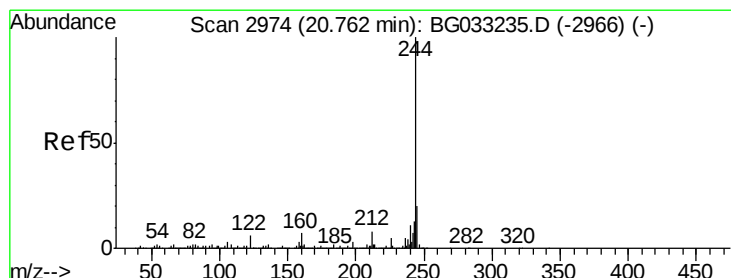
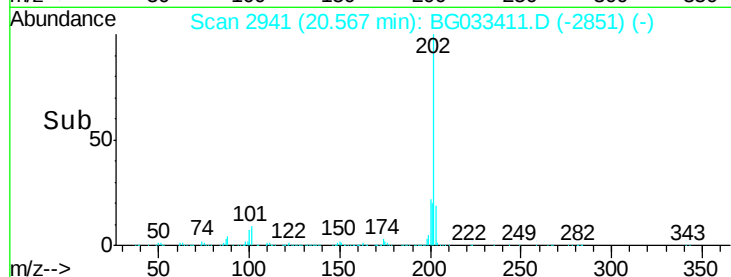
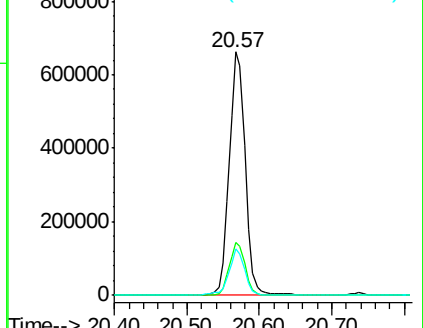
203 19.0 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 102.778 ng

RT: 20.74 min Scan# 2970

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

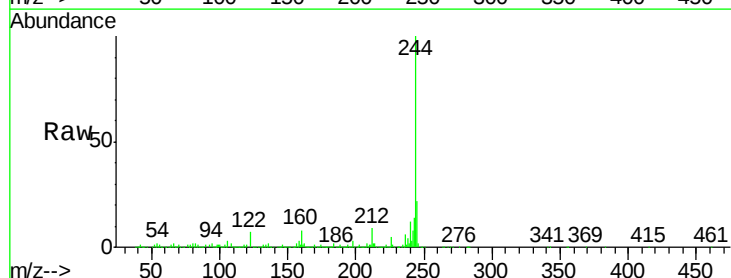
Tgt Ion:244 Resp: 1624441

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

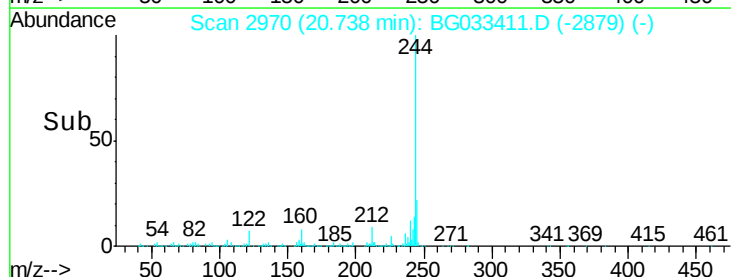
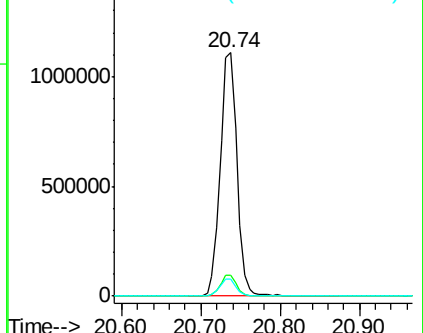
122 6.9 7.0 10.4#

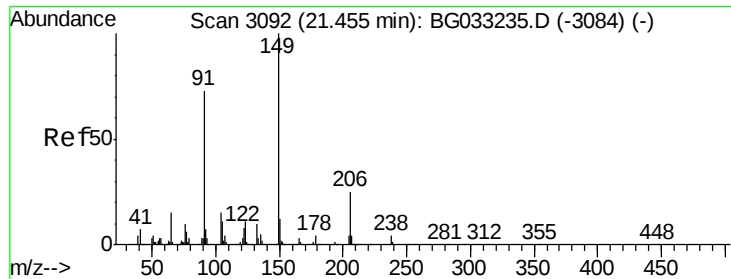


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

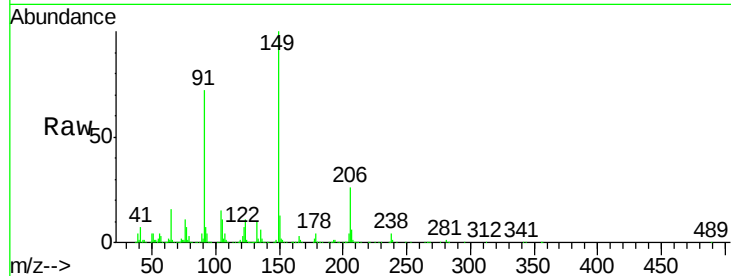




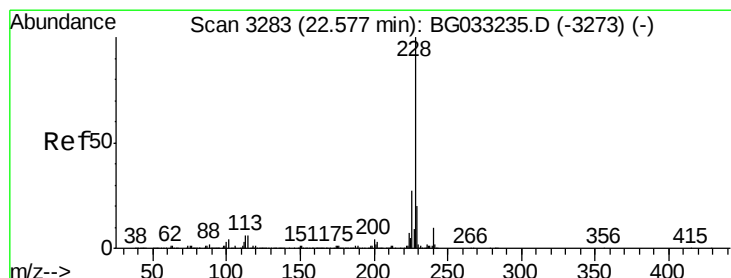
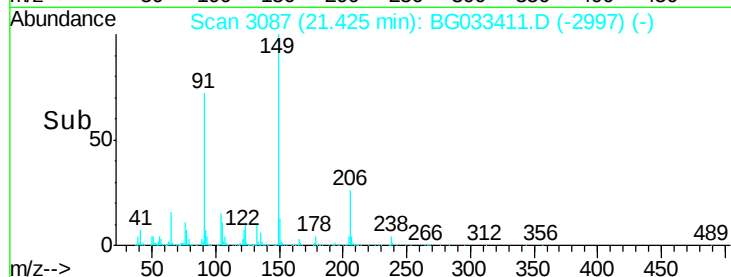
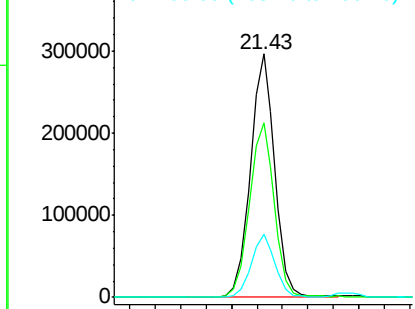
#79  
Butylbenzylphthalate  
Concen: 47.540 ng  
RT: 21.43 min Scan# 3087  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 395486  
Ion Ratio Lower Upper  
149 100  
91 71.5 62.2 93.2  
206 25.8 18.6 27.8

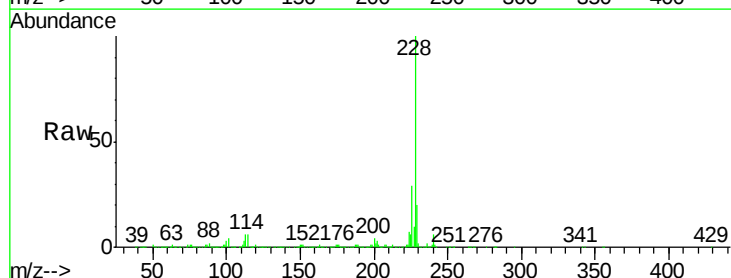


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BGC  
Ion 206.00 (205.70 to 206.70): E

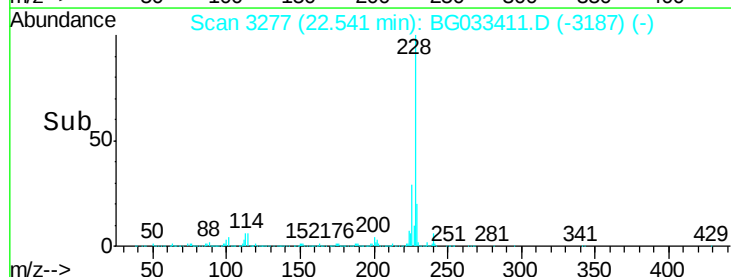
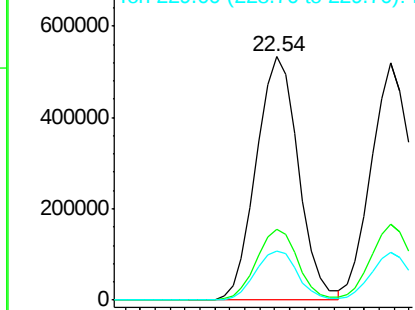


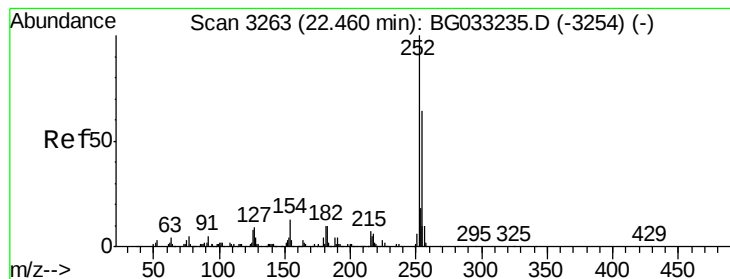
#80  
Benzo(a)anthracene  
Concen: 48.500 ng  
RT: 22.54 min Scan# 3277  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion:228 Resp: 1043888  
Ion Ratio Lower Upper  
228 100  
226 29.0 22.7 34.1  
229 20.4 16.2 24.2



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





#81

3,3'-Dichlorobenzidine

Concen: 16.192 ng

RT: 22.43 min Scan# 3258

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

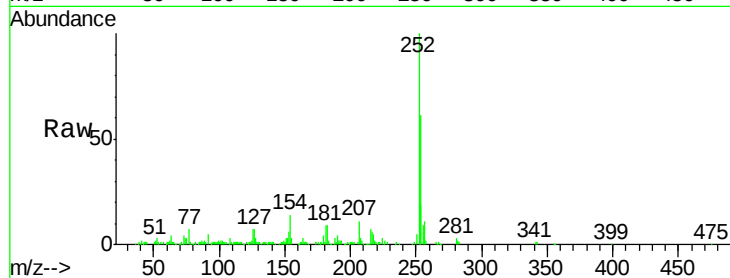
Tot Ion:252 Resp: 124016

Ion Ratio Lower Upper

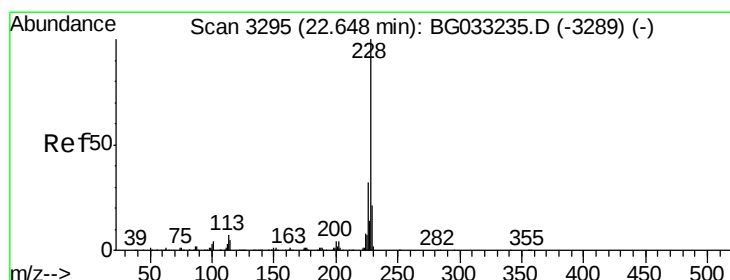
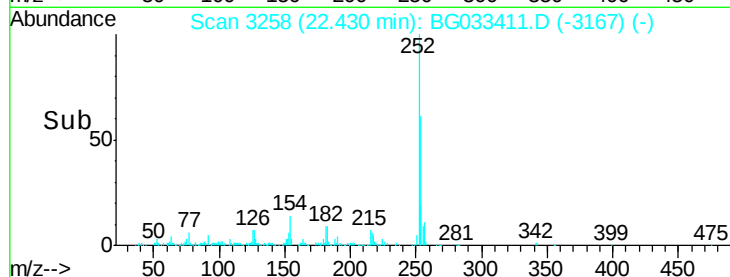
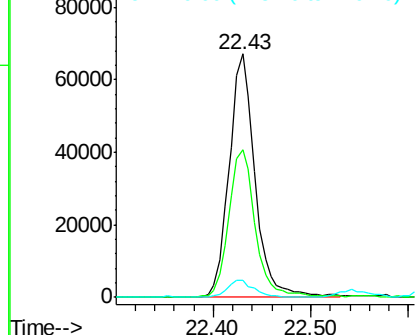
252 100

254 60.7 50.8 76.2

126 7.0 7.4 11.2#



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



#82

Chrysene

Concen: 47.521 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

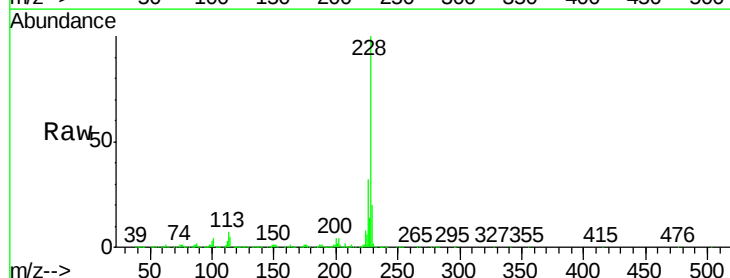
Tgt Ion:228 Resp: 990079

Ion Ratio Lower Upper

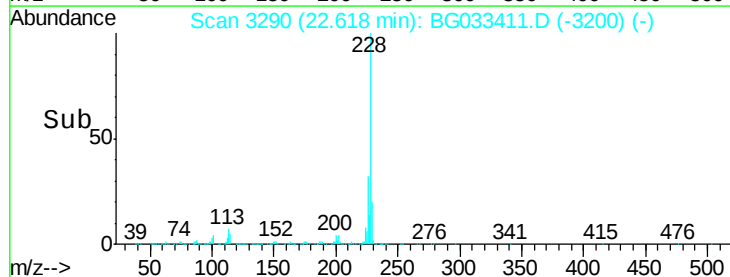
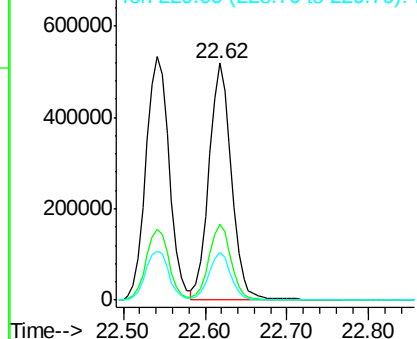
228 100

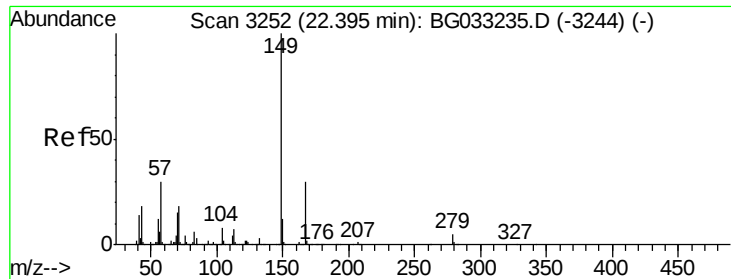
226 32.2 24.9 37.3

229 20.1 15.0 22.4



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

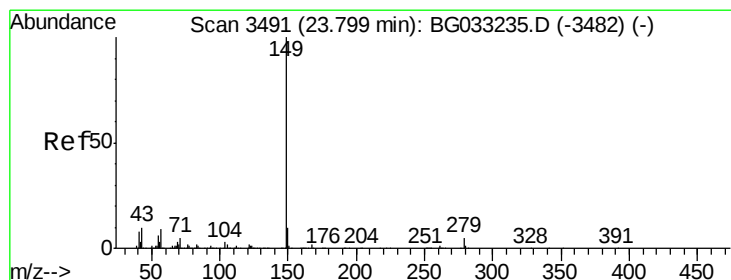
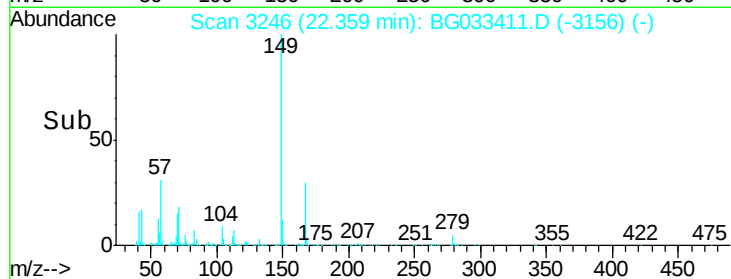
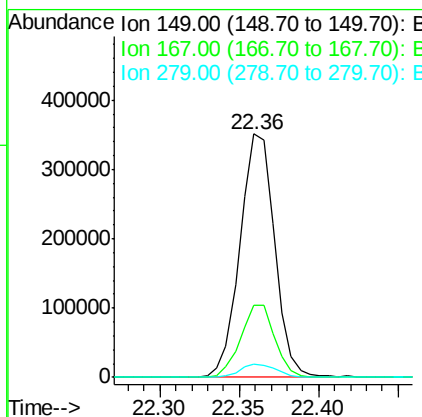
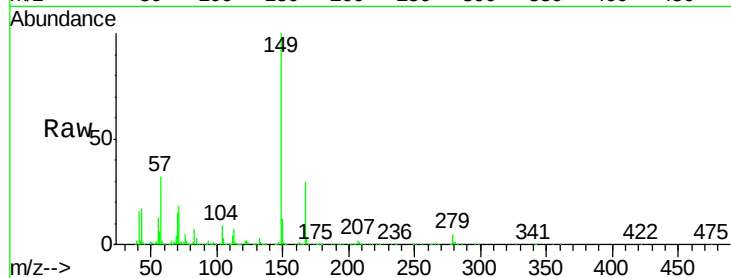




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 46.408 ng  
 RT: 22.36 min Scan# 3246  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

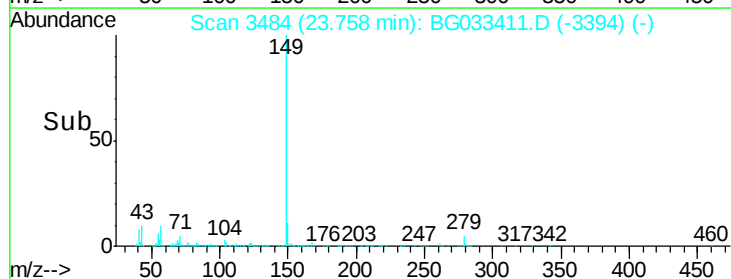
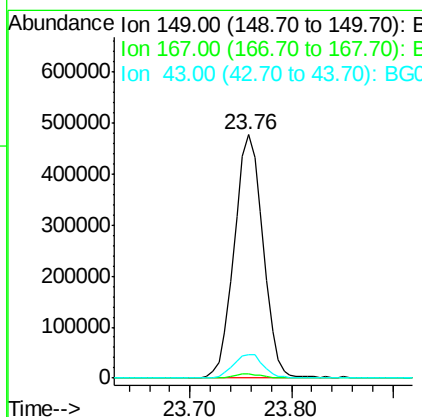
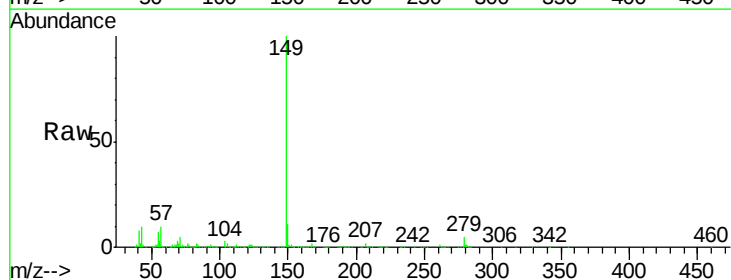
Instrument :  
 BNA\_G  
 ClientSampleId :

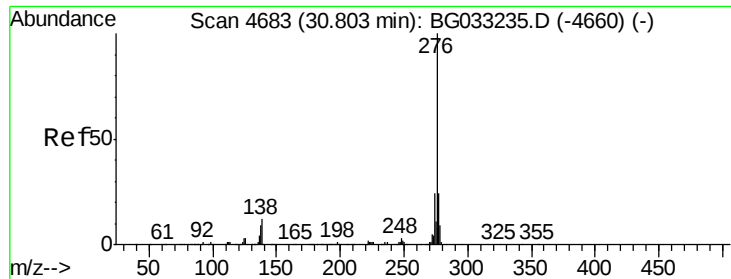
Tot Ion:149 Resp: 532196  
 Ion Ratio Lower Upper  
 149 100  
 167 29.8 24.3 36.5  
 279 5.5 4.0 6.0



#84  
 Di-n-octyl phthalate  
 Concen: 53.601 ng  
 RT: 23.76 min Scan# 3484  
 Delta R.T. -0.00 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Tgt Ion:149 Resp: 941163  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.4 2.0  
 43 10.0 8.9 13.3

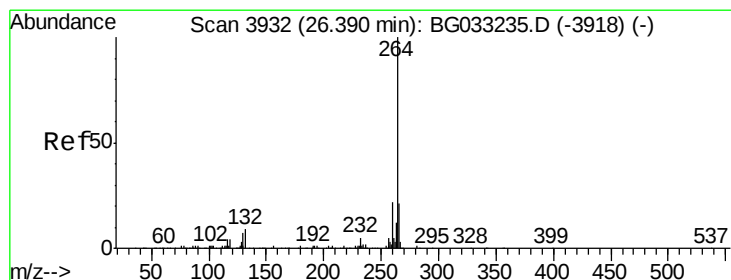
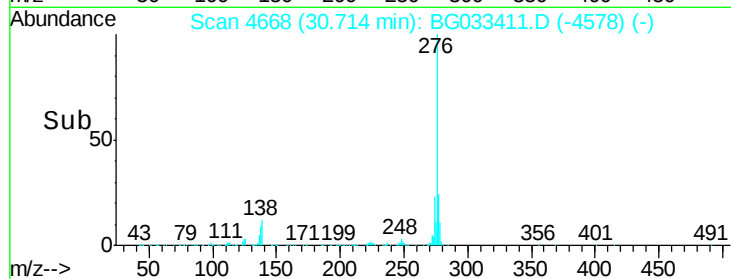
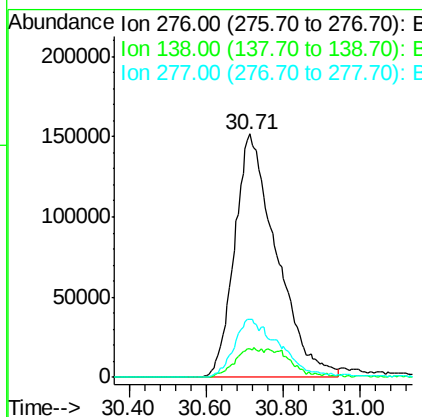
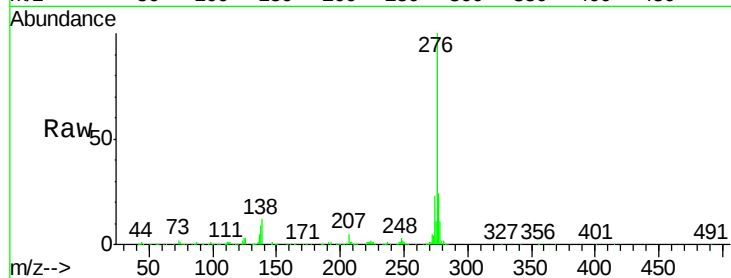




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 51.024 ng  
RT: 30.71 min Scan# 4668  
Delta R.T. -0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

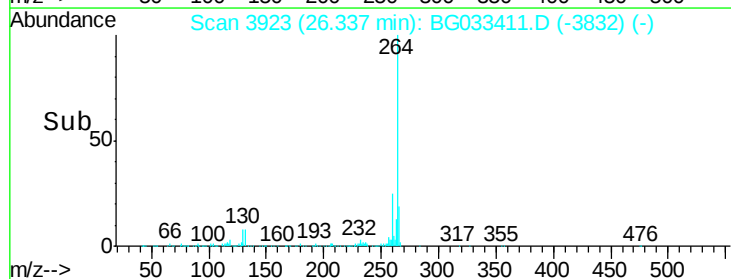
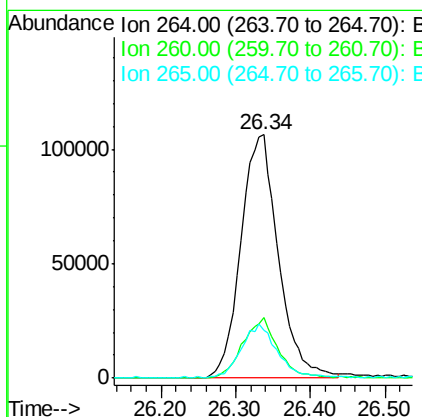
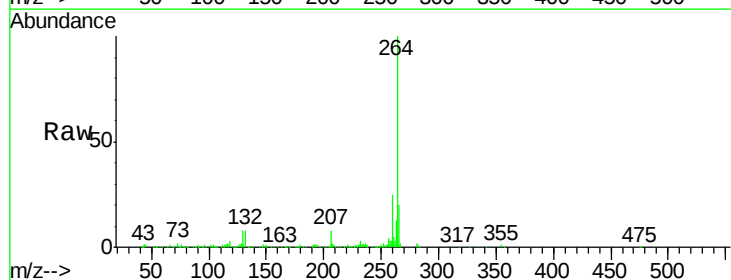
Instrument :  
BNA\_G  
ClientSampleId :

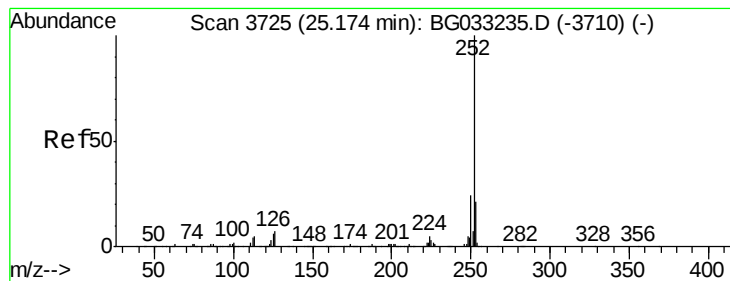
Tot Ion:276 Resp: 1149357  
Ion Ratio Lower Upper  
276 100  
138 6.7 16.0 24.0#  
277 25.7 20.0 30.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.34 min Scan# 3923  
Delta R.T. 0.00 min  
Lab File: BG033411.D  
Acq: 29 Mar 2018 8:13

Tgt Ion:264 Resp: 370923  
Ion Ratio Lower Upper  
264 100  
260 24.7 17.4 26.0  
265 19.7 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 48.640 ng

RT: 25.12 min Scan# 3716

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampled :

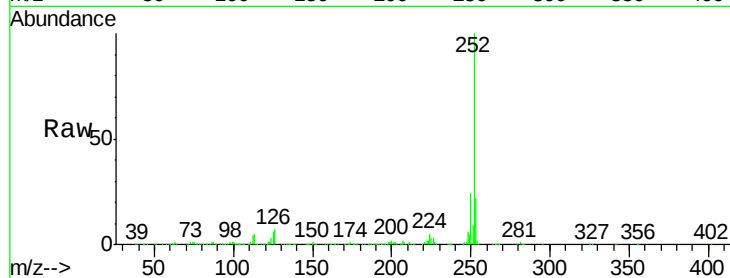
Tot Ion:252 Resp: 1042362

Ion Ratio Lower Upper

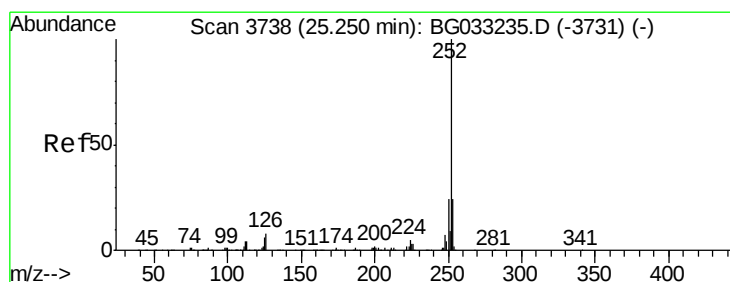
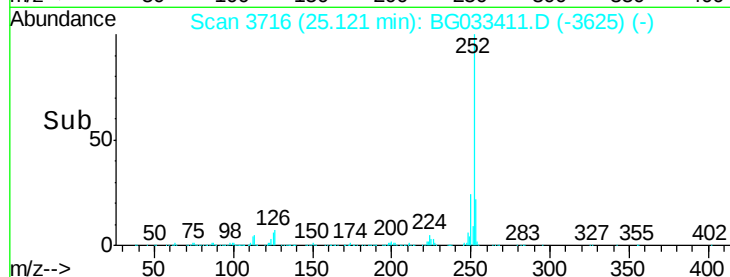
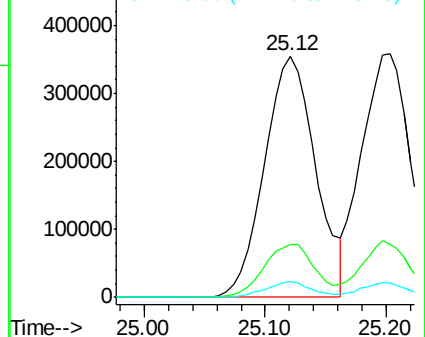
252 100

253 22.0 18.2 27.4

125 6.3 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 47.870 ng

RT: 25.20 min Scan# 3730

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

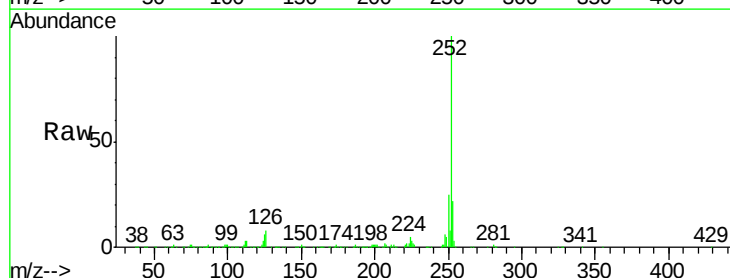
Tgt Ion:252 Resp: 1037524

Ion Ratio Lower Upper

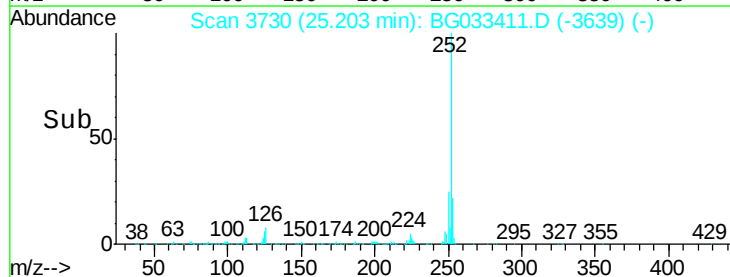
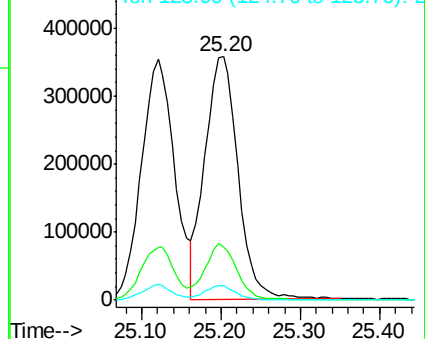
252 100

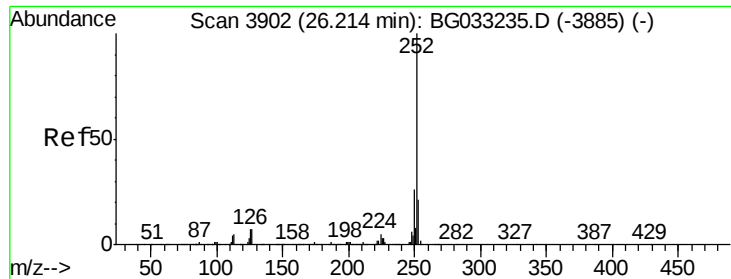
253 21.7 17.4 26.2

125 5.7 6.6 9.8#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 49.438 ng

RT: 26.15 min Scan# 3892

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA\_G

ClientSampleId :

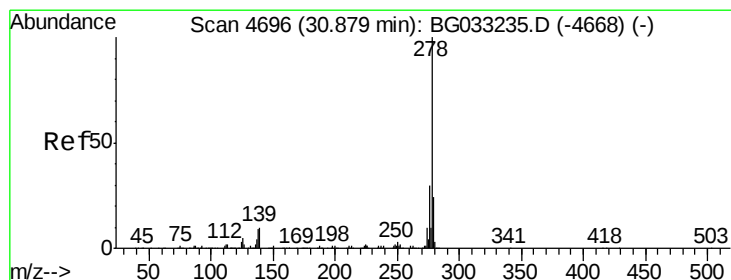
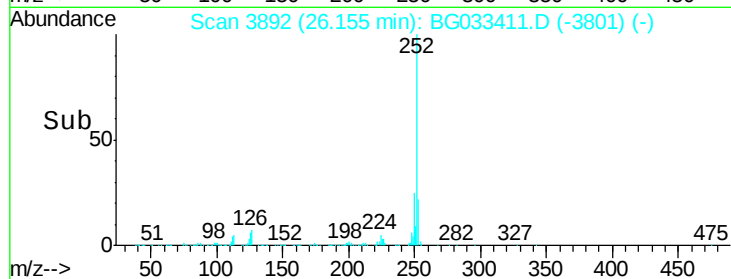
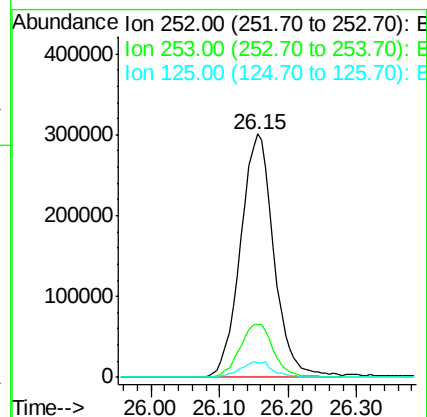
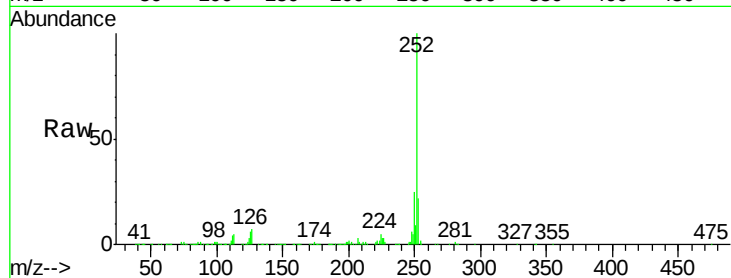
Tot Ion:252 Resp: 1017421

Ion Ratio Lower Upper

252 100

253 21.6 18.3 27.5

125 6.1 7.3 10.9#



#90

Dibenzo(a,h)anthracene

Concen: 49.240 ng

RT: 30.79 min Scan# 4681

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

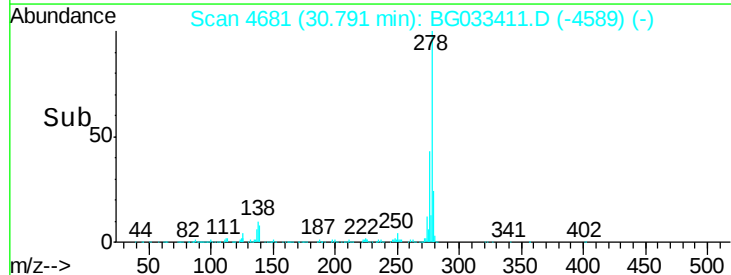
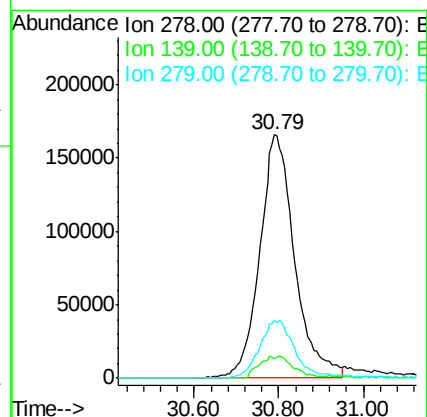
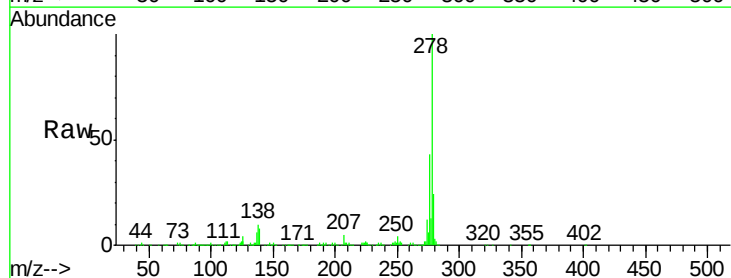
Tgt Ion:278 Resp: 954536

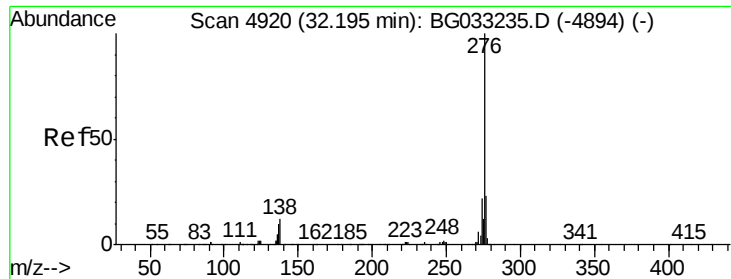
Ion Ratio Lower Upper

278 100

139 8.2 9.8 14.6#

279 23.7 18.4 27.6





#91  
 Benzo(a,h,i)perylene  
 Concen: 47.833 ng  
 RT: 32.09 min Scan# 4903  
 Delta R.T. 0.01 min  
 Lab File: BG033411.D  
 Acq: 29 Mar 2018 8:13

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:276 Resp: 918202  
 Ion Ratio Lower Upper  
 276 100  
 277 22.7 18.3 27.5  
 138 12.3 13.9 20.9#

