

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\  
 Data File : BG033729.D  
 Acq On : 11 Apr 2018 2:10  
 Operator : SJ/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 11 03:20:54 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.86  | 152  | 34450    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.74 | 136  | 153730   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.47 | 164  | 120723   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.21 | 188  | 315832   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.55 | 240  | 325350   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.31 | 264  | 358385   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 6.28  | 112 | 152986  | 83.27 | ng | 0.00 |
| 7) Phenol-d6             | 7.97  | 99  | 247990  | 78.56 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.06 | 82  | 264555  | 79.07 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.95 | 330 | 134045  | 74.24 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.10 | 172 | 620831  | 74.24 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.73 | 244 | 1155809 | 75.97 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.92  | 88  | 36078  | 38.669 | ng | 96     |
| 3) Pyridine                    | 4.39  | 79  | 110311 | 42.770 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 4.30  | 42  | 43803  | 41.385 | ng | # 84   |
| 6) Aniline                     | 8.15  | 93  | 154602 | 41.646 | ng | # 92   |
| 8) 2-Chlorophenol              | 8.41  | 128 | 85975  | 40.934 | ng | 97     |
| 9) Benzaldehyde                | 7.96  | 77  | 61081  | 30.447 | ng | 88     |
| 10) Phenol                     | 7.99  | 94  | 128492 | 41.227 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 8.24  | 93  | 103482 | 40.678 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 8.74  | 146 | 104670 | 38.118 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.89  | 146 | 103495 | 37.634 | ng | 90     |
| 14) 1,2-Dichlorobenzene        | 9.22  | 146 | 104964 | 39.107 | ng | 97     |
| 15) Benzyl Alcohol             | 9.09  | 79  | 105338 | 42.383 | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.37  | 45  | 169339 | 40.833 | ng | 90     |
| 17) 2-Methylphenol             | 9.63  | 107 | 125880 | 59.289 | ng | 86     |
| 18) Hexachloroethane           | 9.97  | 117 | 41683  | 39.272 | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 9.66  | 70  | 93695  | 40.506 | ng | # 95   |
| 20) 3+4-Methylphenols          | 9.63  | 107 | 125880 | 41.641 | ng | 90     |
| 22) Acetophenone               | 9.70  | 105 | 164238 | 38.996 | ng | # 94   |
| 24) Nitrobenzene               | 10.10 | 77  | 137254 | 38.323 | ng | 94     |
| 25) Isophorone                 | 10.61 | 82  | 261514 | 40.269 | ng | 99     |
| 26) 2-Nitrophenol              | 10.83 | 139 | 53062  | 39.133 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 10.86 | 122 | 81557  | 41.405 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 11.10 | 93  | 123327 | 38.061 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 11.37 | 162 | 93078  | 38.424 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 11.59 | 180 | 119452 | 37.954 | ng | 96     |
| 31) Naphthalene                | 11.79 | 128 | 306410 | 38.463 | ng | 99     |
| 32) Benzoic acid               | 11.00 | 122 | 52112  | 28.459 | ng | 87     |
| 33) 4-Chloroaniline            | 11.89 | 127 | 133826 | 37.496 | ng | # 91   |
| 34) Hexachlorobutadiene        | 12.05 | 225 | 88046  | 36.993 | ng | 97     |
| 35) Caprolactam                | 12.63 | 113 | 42576  | 44.863 | ng | # 83   |
| 36) 4-Chloro-3-methylphenol    | 12.95 | 107 | 137153 | 43.410 | ng | 93     |
| 37) 2-Methylnaphthalene        | 13.34 | 142 | 232603 | 37.618 | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.69 | 216 | 157384 | 35.991 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 13.66 | 237 | 97172  | 37.906 | ng | 93     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\  
 Data File : BG033729.D  
 Acq On : 11 Apr 2018 2:10  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

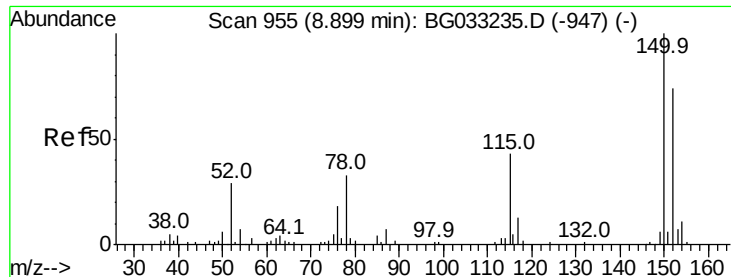
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 11 03:20:54 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 10 16:51:36 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.92 | 196  | 96308    | 37.906 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 14.00 | 196  | 118290   | 39.390 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 14.32 | 154  | 356787   | 38.468 | ng    | 96       |
| 46) 2-Chloronaphthalene        | 14.37 | 162  | 272590   | 38.117 | ng    | 95       |
| 47) 2-Nitroaniline             | 14.56 | 65   | 112930   | 42.160 | ng    | 91       |
| 48) Acenaphthylene             | 15.20 | 152  | 462445   | 38.740 | ng    | 99       |
| 49) Dimethylphthalate          | 14.90 | 163  | 417231   | 39.713 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 15.03 | 165  | 85492    | 39.797 | ng    | 96       |
| 51) Acenaphthene               | 15.54 | 154  | 319584   | 41.531 | ng    | 97       |
| 52) 3-Nitroaniline             | 15.37 | 138  | 87981    | 39.065 | ng    | # 92     |
| 53) 2,4-Dinitrophenol          | 15.57 | 184  | 56351    | 53.457 | ng    | # 83     |
| 54) Dibenzofuran               | 15.87 | 168  | 435211   | 38.289 | ng    | 95       |
| 55) 4-Nitrophenol              | 15.66 | 139  | 64652    | 40.824 | ng    | 92       |
| 56) 2,4-Dinitrotoluene         | 15.81 | 165  | 126272   | 39.921 | ng    | # 90     |
| 57) Fluorene                   | 16.51 | 166  | 379342   | 39.174 | ng    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.08 | 232  | 110909   | 39.230 | ng    | 96       |
| 59) Diethylphthalate           | 16.24 | 149  | 416002   | 40.777 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.48 | 204  | 207263   | 37.234 | ng    | 96       |
| 61) 4-Nitroaniline             | 16.53 | 138  | 94880    | 41.601 | ng    | # 83     |
| 62) Azobenzene                 | 16.78 | 77   | 397093   | 40.182 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 16.57 | 198  | 74751    | 39.563 | ng    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.70 | 169  | 347153   | 38.502 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 17.37 | 248  | 138850   | 37.434 | ng    | 93       |
| 67) Hexachlorobenzene          | 17.51 | 284  | 148911   | 38.041 | ng    | 96       |
| 68) Atrazine                   | 17.61 | 200  | 141975   | 38.858 | ng    | 98       |
| 69) Pentachlorophenol          | 17.85 | 266  | 90473    | 33.674 | ng    | 96       |
| 70) Phenanthrene               | 18.25 | 178  | 627498   | 38.149 | ng    | 97       |
| 71) Anthracene                 | 18.33 | 178  | 658008   | 39.509 | ng    | 99       |
| 72) Carbazole                  | 18.60 | 167  | 588210   | 39.856 | ng    | 97       |
| 73) Di-n-butylphthalate        | 19.09 | 149  | 713059   | 41.510 | ng    | # 98     |
| 74) Fluoranthene               | 20.20 | 202  | 800110   | 39.308 | ng    | 97       |
| 76) Benzidine                  | 20.36 | 184  | 369151   | 41.840 | ng    | 97       |
| 77) Pyrene                     | 20.56 | 202  | 831880   | 38.337 | ng    | 100      |
| 79) Butylbenzylphthalate       | 21.41 | 149  | 325250   | 40.619 | ng    | 97       |
| 80) Benzo(a)anthracene         | 22.53 | 228  | 796003   | 38.423 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 22.42 | 252  | 299050   | 40.565 | ng    | 98       |
| 82) Chrysene                   | 22.61 | 228  | 758986   | 37.847 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 22.35 | 149  | 462001   | 41.855 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 23.73 | 149  | 740611   | 43.821 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 30.68 | 276  | 890619   | 41.076 | ng    | # 88     |
| 87) Benzo(b)fluoranthene       | 25.10 | 252  | 773085   | 37.337 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 25.10 | 252  | 773085   | 36.917 | ng    | 99       |
| 89) Benzo(a)pyrene             | 26.13 | 252  | 754407   | 37.940 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 30.76 | 278  | 743122   | 39.675 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 32.05 | 276  | 717916   | 38.707 | ng    | # 96     |

(#) = 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. 0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

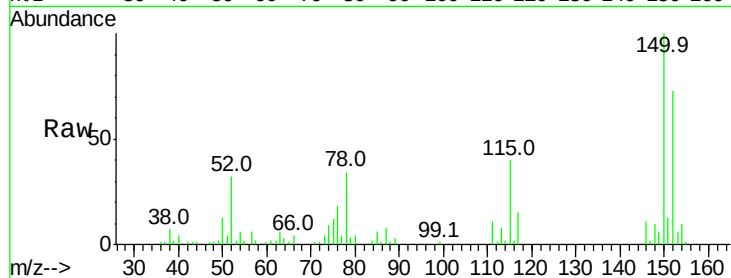
Tot Ion:152 Resp: 34450

Ion Ratio Lower Upper

152 100

150 136.9 126.6 189.8

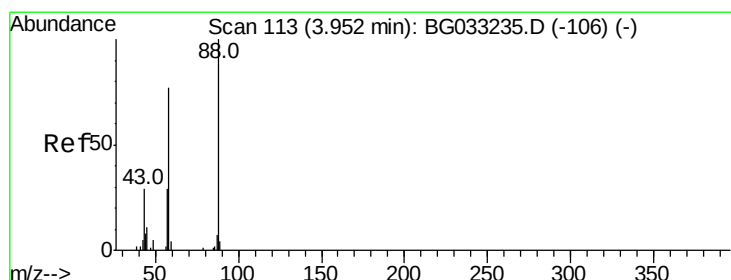
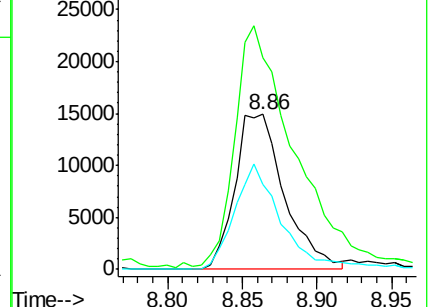
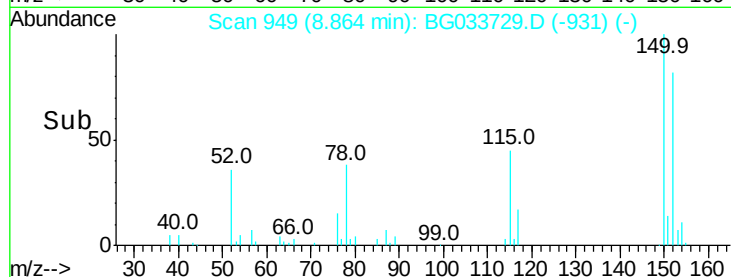
115 55.0 53.0 79.4



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: 38.669 ng

RT: 3.92 min Scan# 108

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

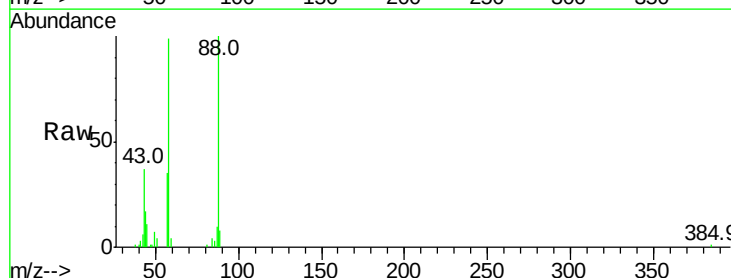
Tgt Ion: 88 Resp: 36078

Ion Ratio Lower Upper

88 100

58 96.2 79.6 119.4

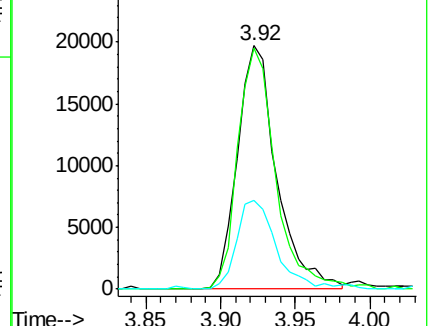
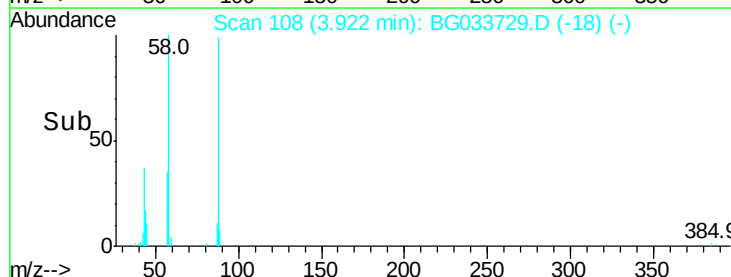
43 37.4 27.4 41.0

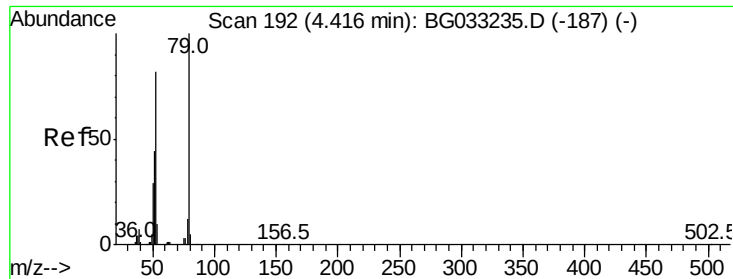


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 42.770 ng

RT: 4.39 min Scan# 187

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampled :

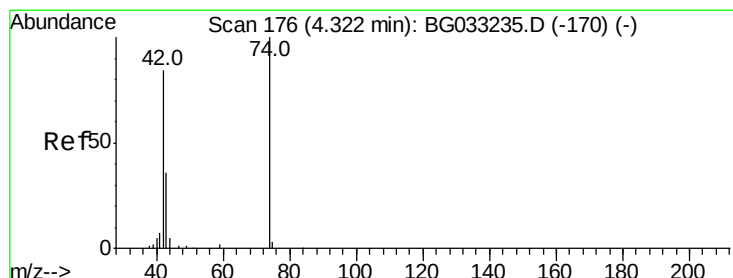
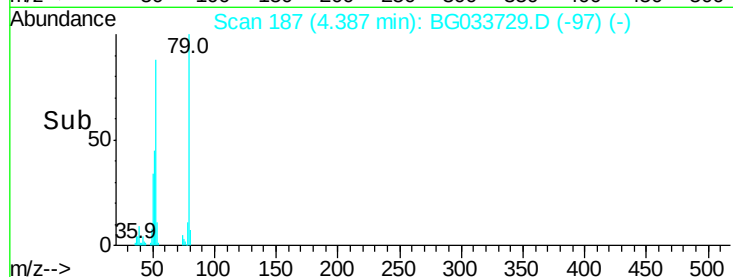
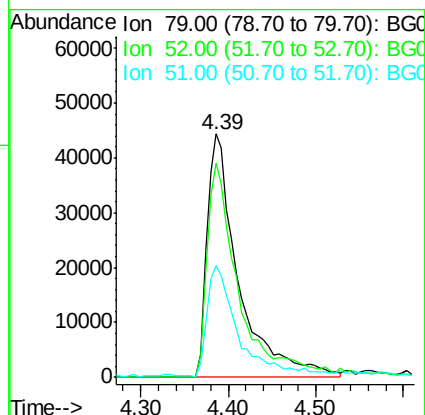
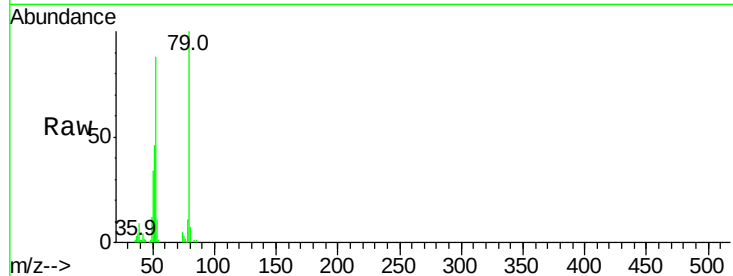
Tot Ion: 79 Resp: 110311

Ion Ratio Lower Upper

79 100

52 88.0 69.9 104.9

51 46.0 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 41.385 ng

RT: 4.30 min Scan# 172

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

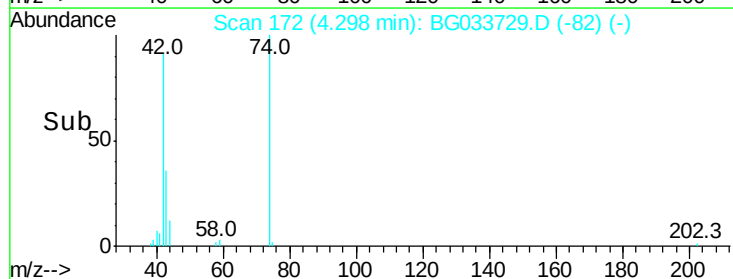
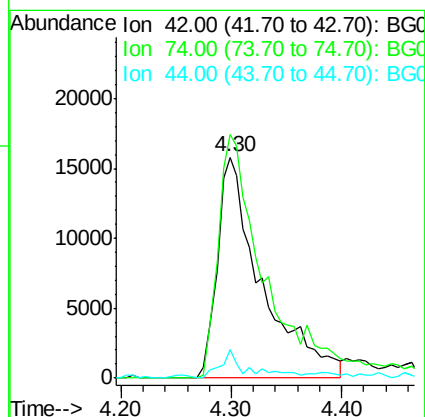
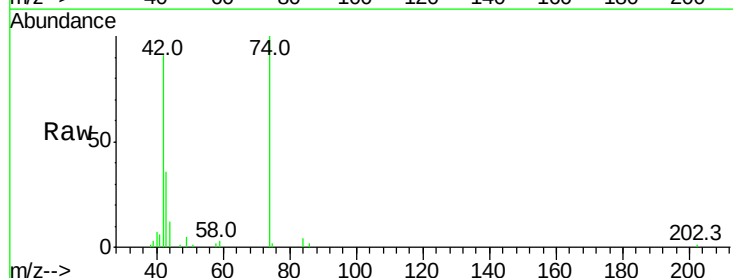
Tgt Ion: 42 Resp: 43803

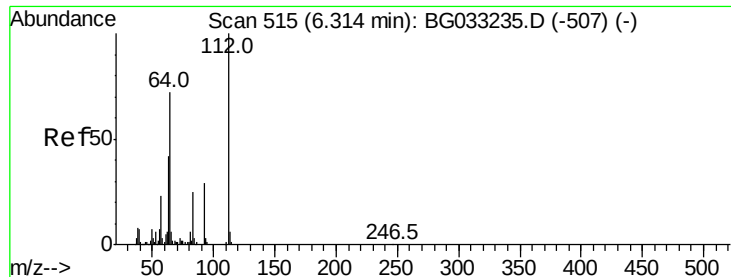
Ion Ratio Lower Upper

42 100

74 110.4 102.5 153.7

44 13.1 18.9 28.3#





#5

2-Fluorophenol

Concen: 83.271 ng

RT: 6.28 min Scan# 510

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

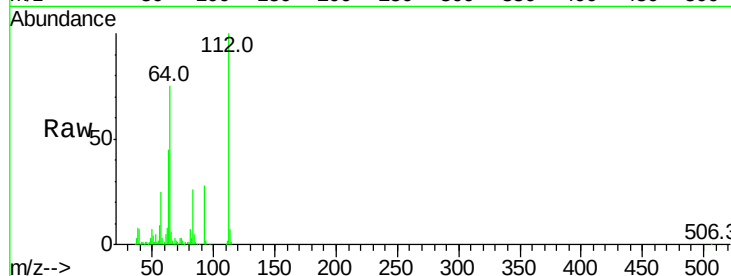
Tot Ion:112 Resp: 152986

Ion Ratio Lower Upper

112 100

64 75.4 56.3 84.5

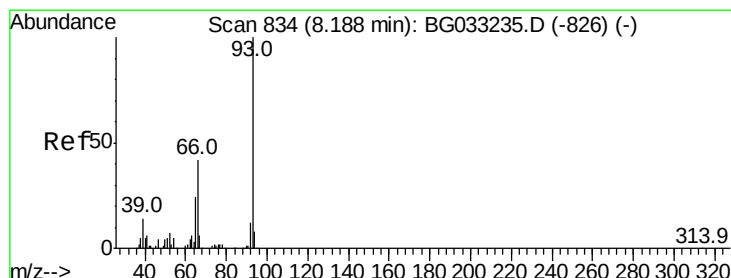
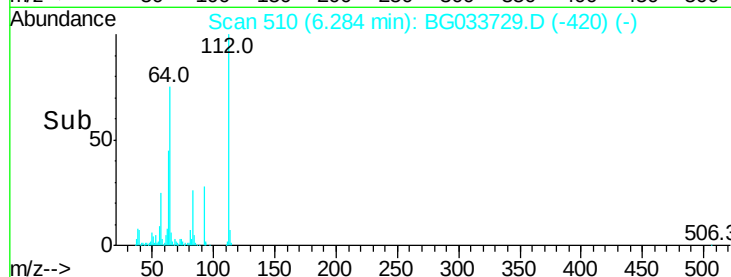
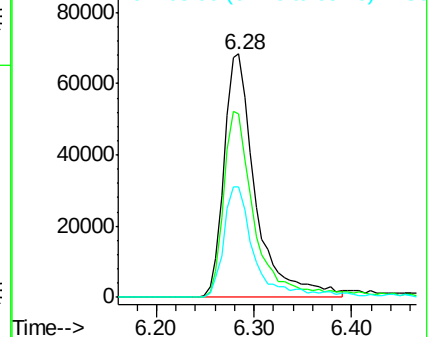
63 45.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 41.646 ng

RT: 8.15 min Scan# 828

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

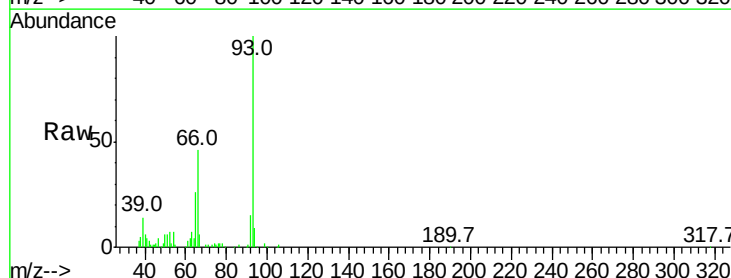
Tgt Ion: 93 Resp: 154602

Ion Ratio Lower Upper

93 100

66 46.0 33.7 50.5

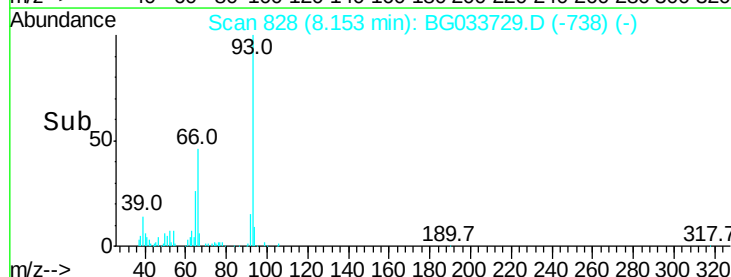
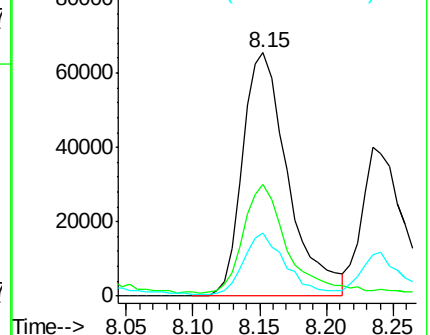
65 26.1 16.1 24.1#

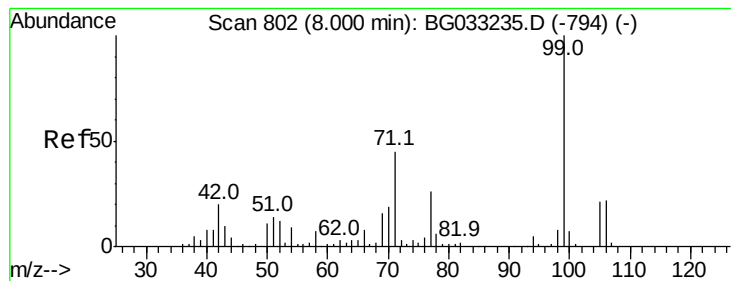


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 78.560 ng

RT: 7.97 min Scan# 797

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

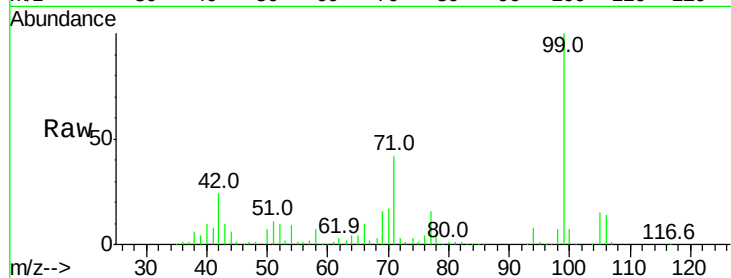
Tot Ion: 99 Resp: 247990

Ion Ratio Lower Upper

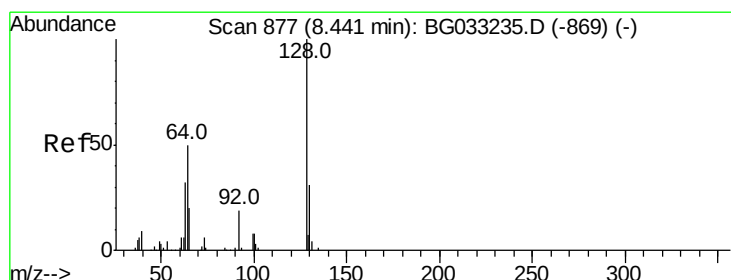
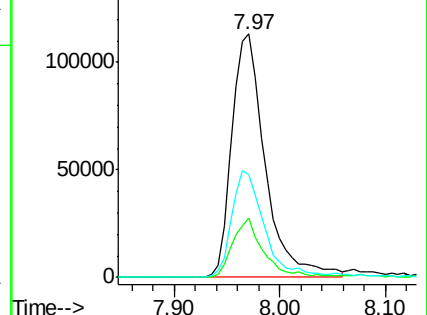
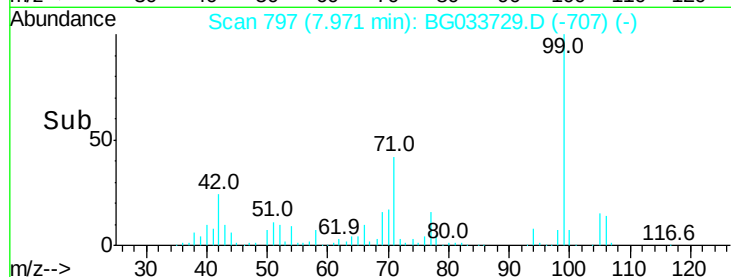
99 100

42 24.3 14.1 21.1#

71 42.0 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: 40.934 ng

RT: 8.41 min Scan# 871

Delta R.T. 0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

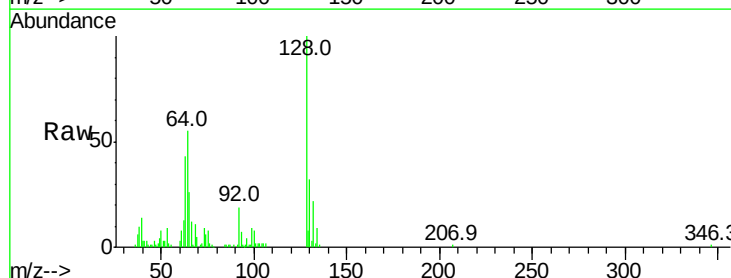
Tgt Ion: 128 Resp: 85975

Ion Ratio Lower Upper

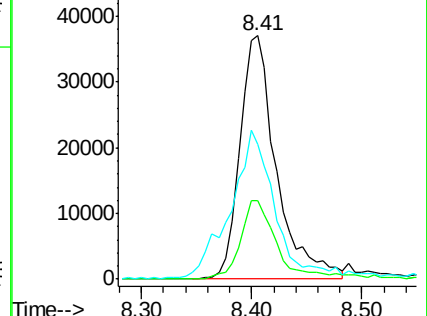
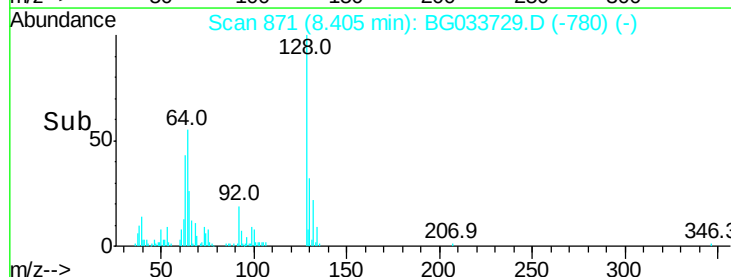
128 100

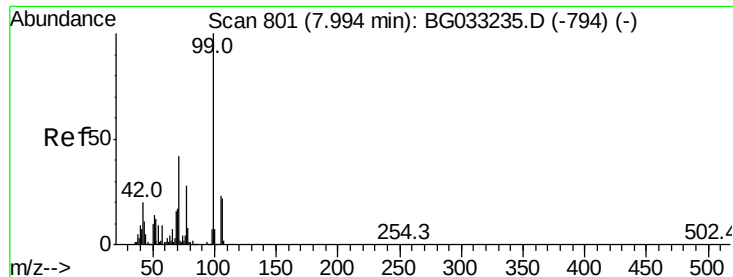
130 32.1 14.0 54.0

64 55.4 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: 30.447 ng

RT: 7.96 min Scan# 795

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

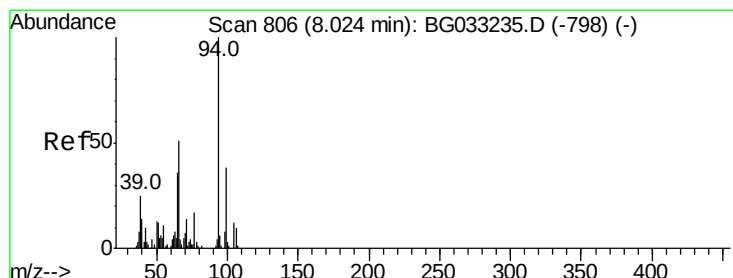
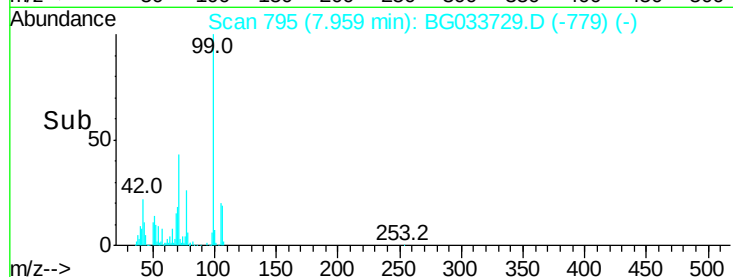
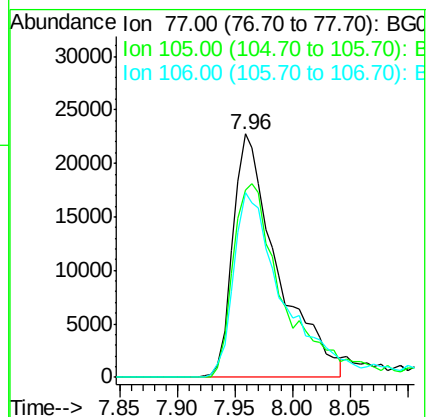
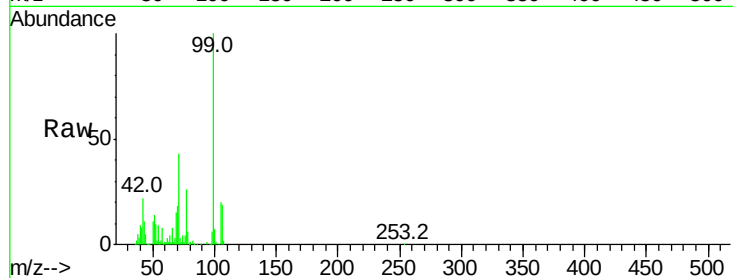
Tot Ion: 77 Resp: 61081

Ion Ratio Lower Upper

77 100

105 77.0 71.3 111.3

106 75.8 64.2 104.2



#10

Phenol

Concen: 41.227 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

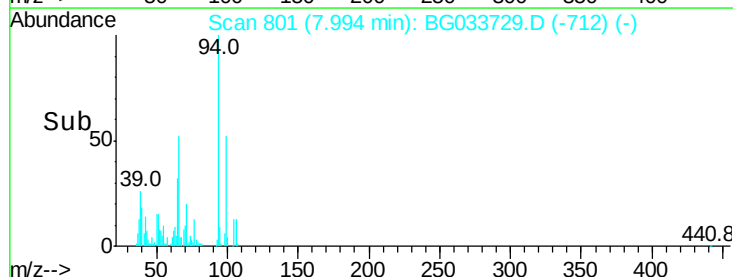
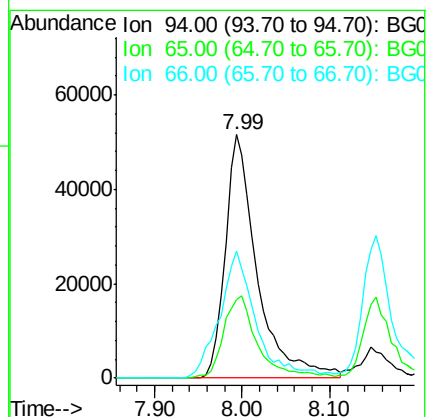
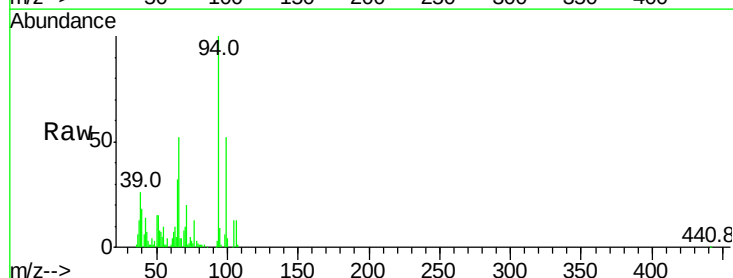
Tgt Ion: 94 Resp: 128492

Ion Ratio Lower Upper

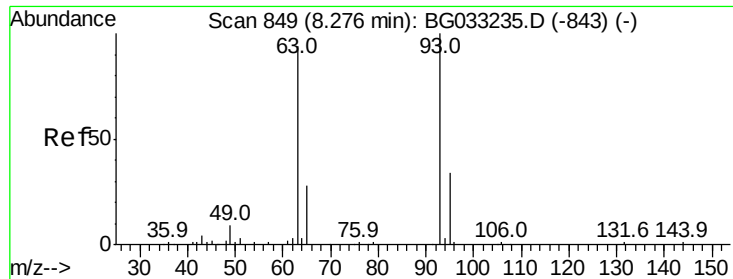
94 100

65 32.1 11.9 51.9

66 52.1 22.2 62.2



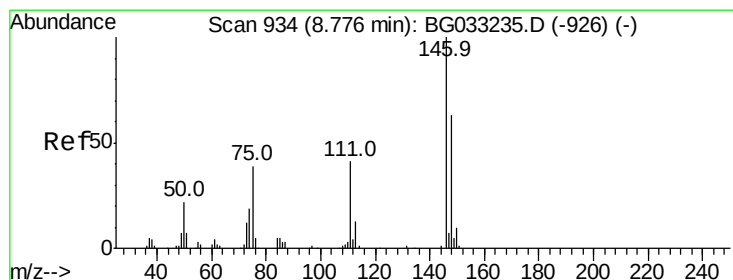
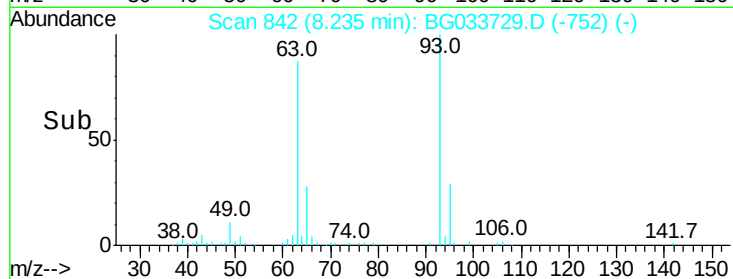
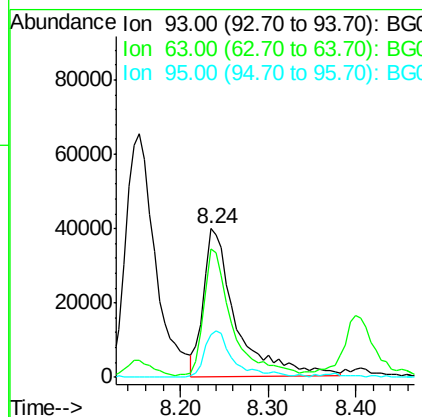
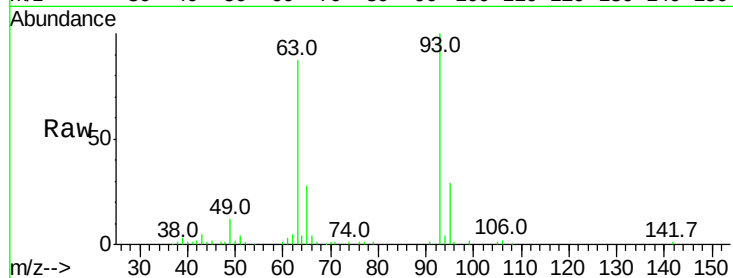




#11  
 bis(2-Chloroethyl)ether  
 Concen: 40.678 ng  
 RT: 8.24 min Scan# 842  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

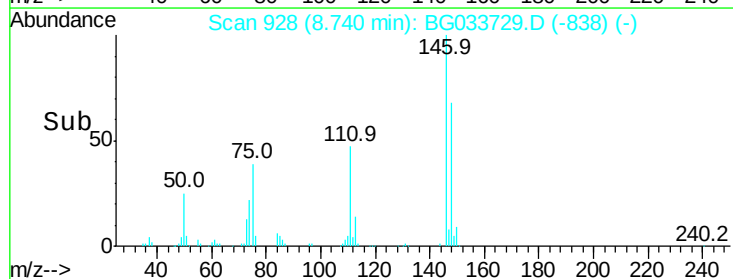
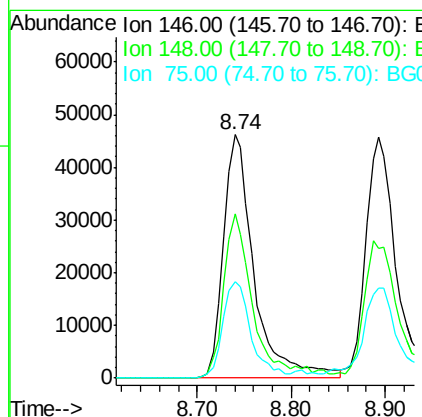
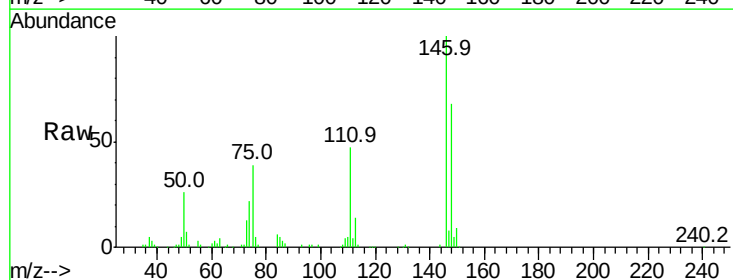
Instrument :  
 BNA\_G  
 ClientSampled :

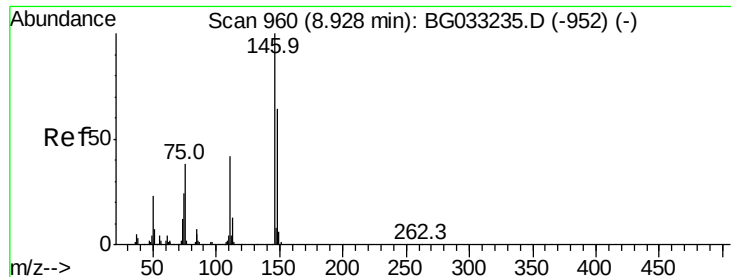
Tot Ion: 93 Resp: 103482  
 Ion Ratio Lower Upper  
 93 100  
 63 86.8 67.1 107.1  
 95 28.5 11.5 51.5



#12  
 1,3-Dichlorobenzene  
 Concen: 38.118 ng  
 RT: 8.74 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion: 146 Resp: 104670  
 Ion Ratio Lower Upper  
 146 100  
 148 67.6 51.4 77.2  
 75 39.4 26.6 39.8

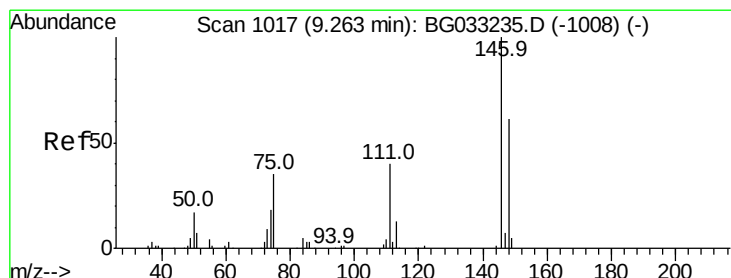
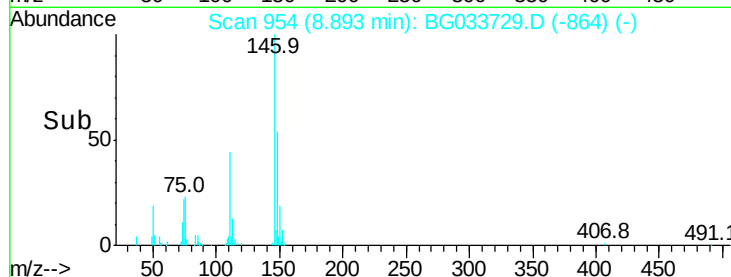
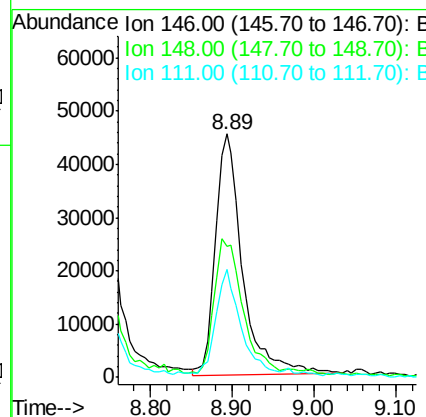
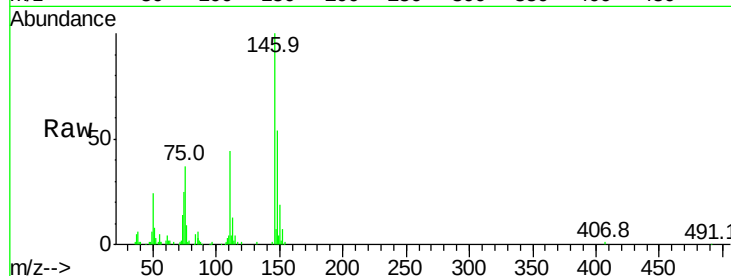




#13  
 1,4-Dichlorobenzene  
 Concen: 37.634 ng  
 RT: 8.89 min Scan# 954  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

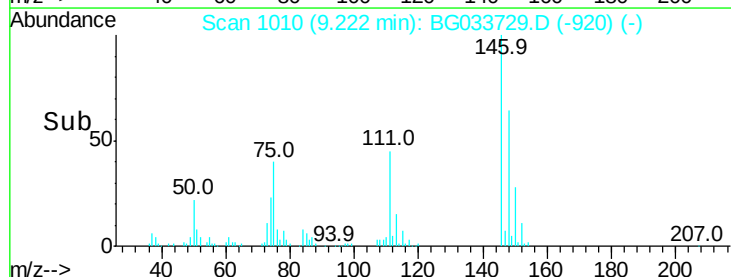
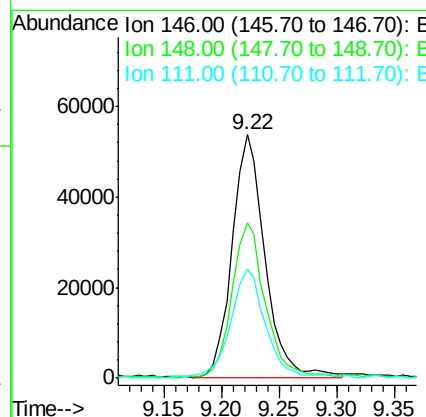
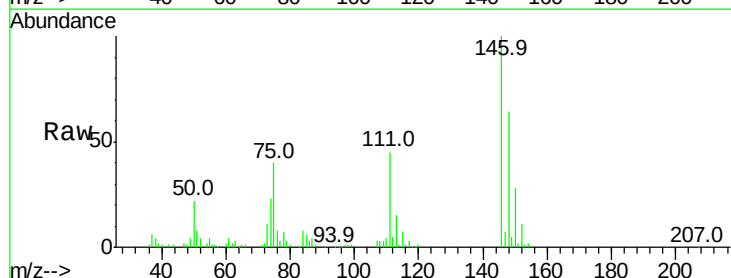
Instrument :  
 BNA\_G  
 ClientSampled :

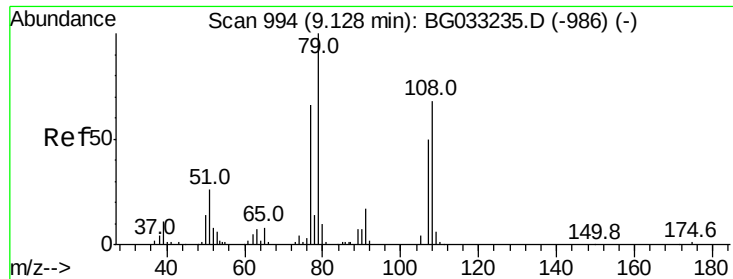
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 53.8  | 53.7  | 80.5  |
| 111     | 44.2  | 35.2  | 52.8  |



#14  
 1,2-Dichlorobenzene  
 Concen: 39.107 ng  
 RT: 9.22 min Scan# 1010  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 49.3  | 73.9  |
| 111     | 45.0  | 34.3  | 51.5  |





#15

Benzyl Alcohol

Concen: 42.383 ng

RT: 9.09 min Scan# 988

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampled :

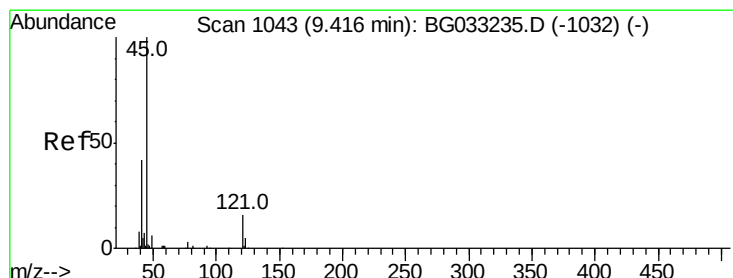
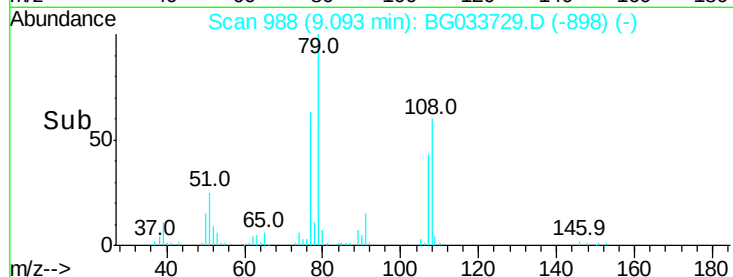
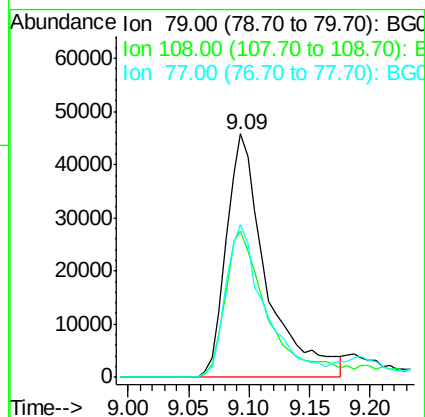
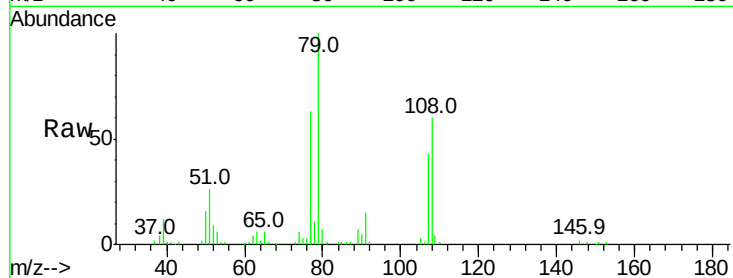
Tot Ion: 79 Resp: 105338

Ion Ratio Lower Upper

79 100

108 60.0 57.2 85.8

77 63.0 46.1 69.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.833 ng

RT: 9.37 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

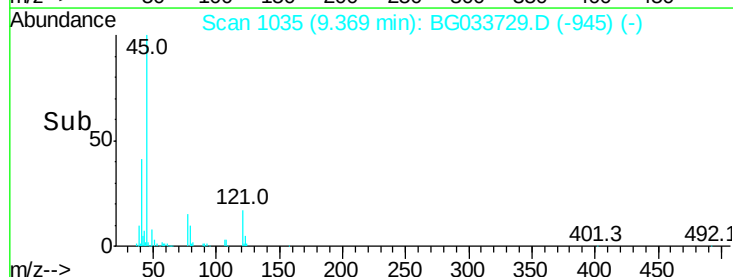
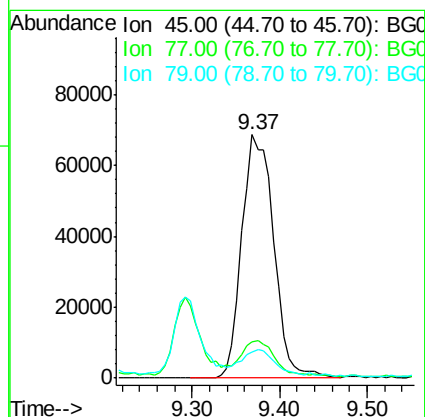
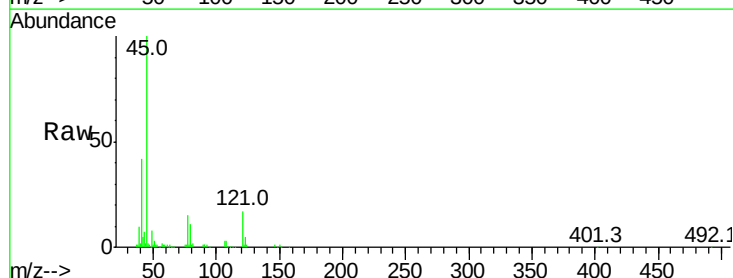
Tgt Ion: 45 Resp: 169339

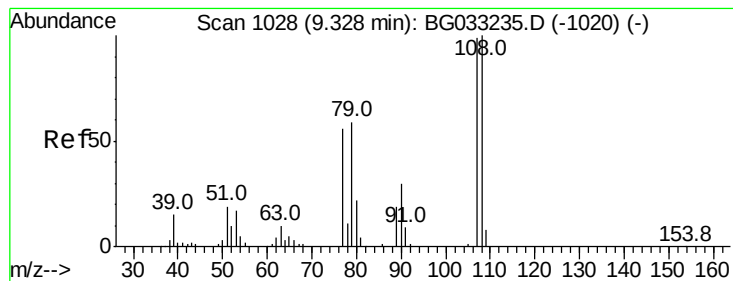
Ion Ratio Lower Upper

45 100

77 14.9 0.0 30.2

79 10.5 0.0 27.9

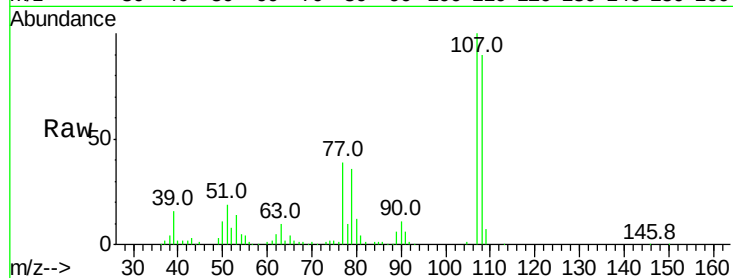




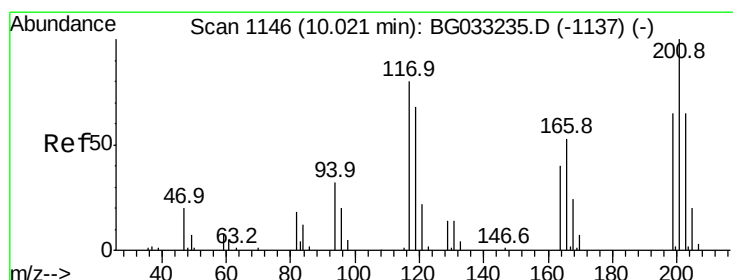
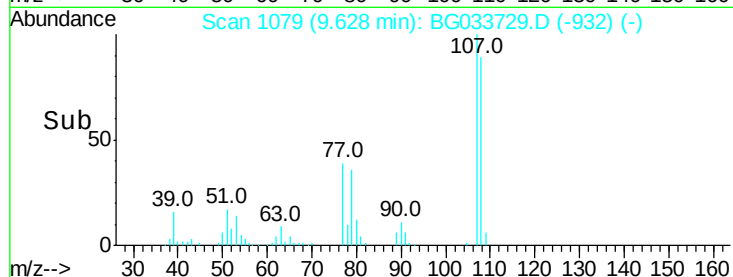
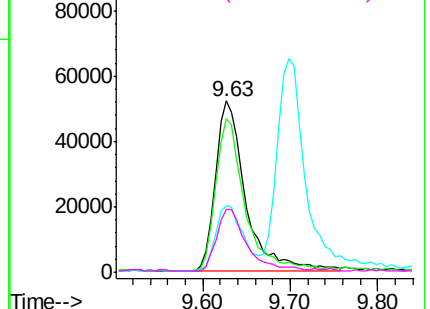
#17  
2-Methylphenol  
Concen: 59.289 ng  
RT: 9.63 min Scan# 1079  
Delta R.T. 0.34 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:107 Resp: 125880  
Ion Ratio Lower Upper  
107 100  
108 89.7 83.9 125.9  
77 39.3 37.2 55.8  
79 36.5 36.2 54.2

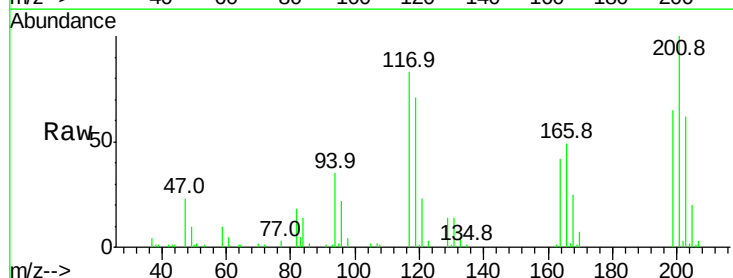


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

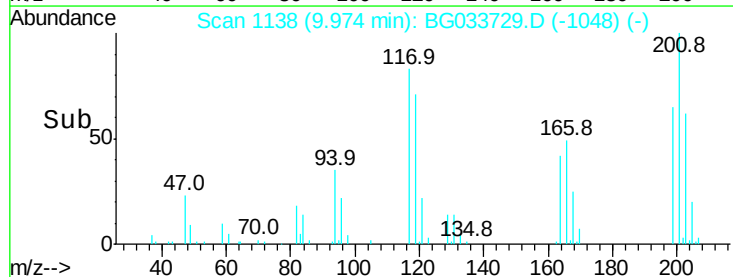
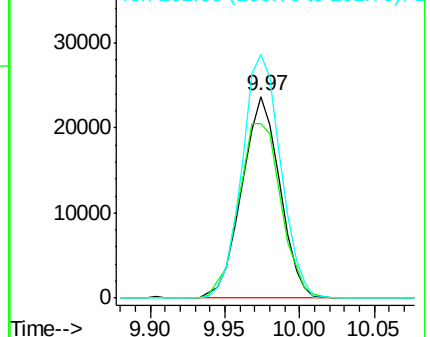


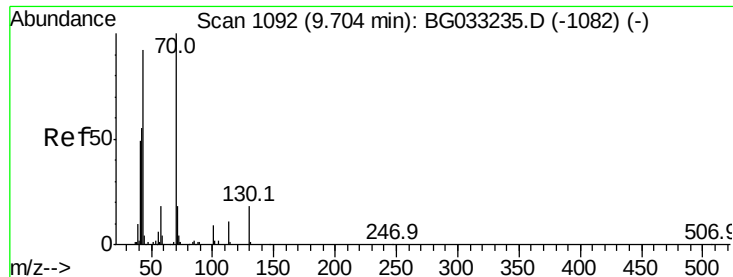
#18  
Hexachloroethane  
Concen: 39.272 ng  
RT: 9.97 min Scan# 1138  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:117 Resp: 41683  
Ion Ratio Lower Upper  
117 100  
119 86.1 76.7 115.1  
201 120.5 95.7 143.5



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 40.506 ng

RT: 9.66 min Scan# 1085

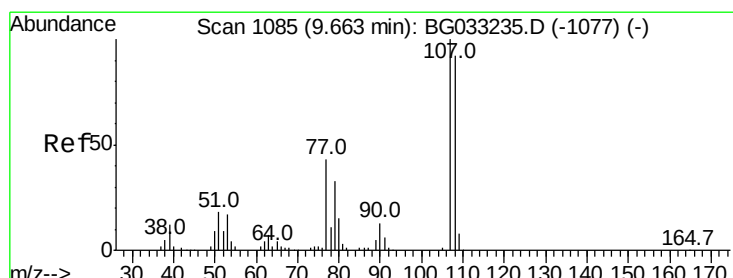
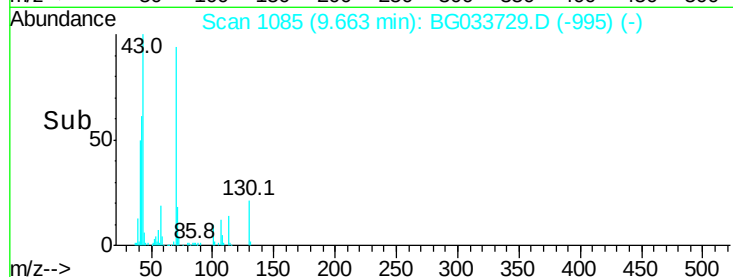
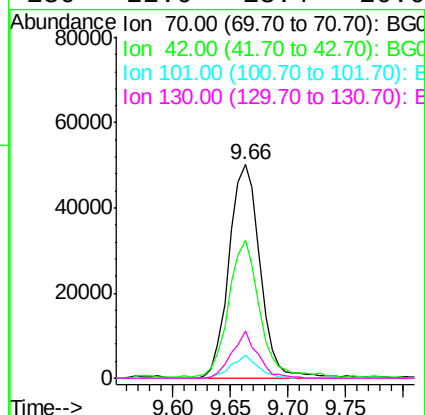
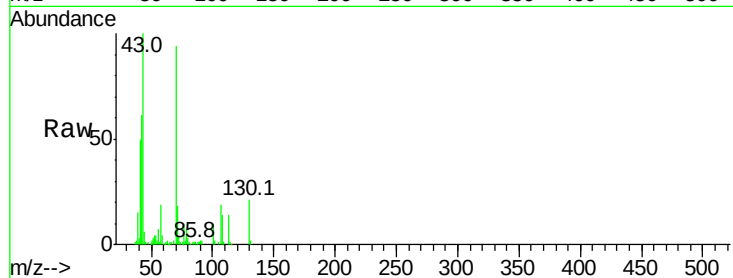
Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 93695 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 64.5  | 49.1  | 73.7  |
| 101      | 10.8  | 8.5   | 12.7  |
| 130      | 22.0  | 13.4  | 20.0# |



#20

3+4-Methylphenols

Concen: 41.641 ng

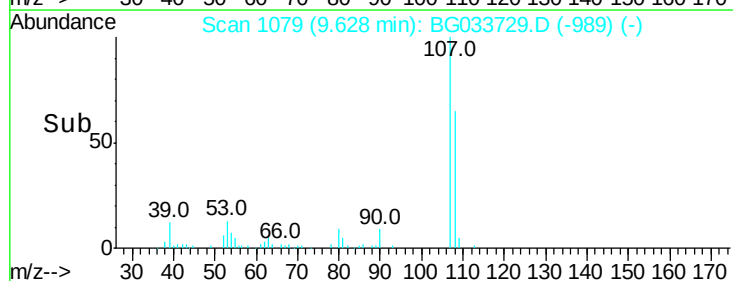
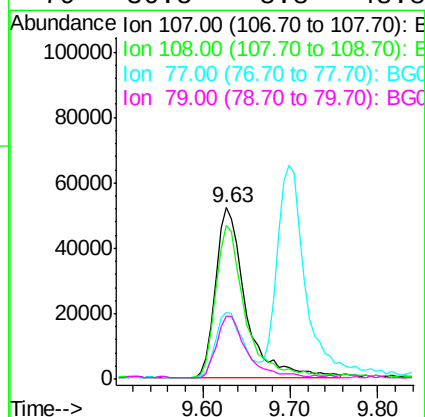
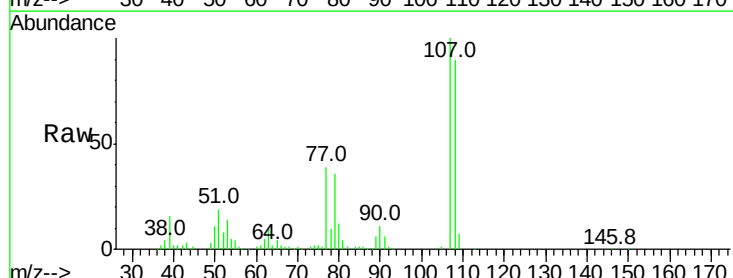
RT: 9.63 min Scan# 1079

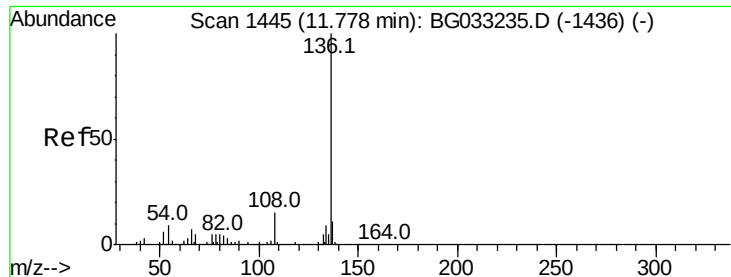
Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 125880 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.7  | 61.6  | 101.6  |
| 77       | 39.3  | 13.9  | 53.9   |
| 79       | 36.5  | 8.8   | 48.8   |

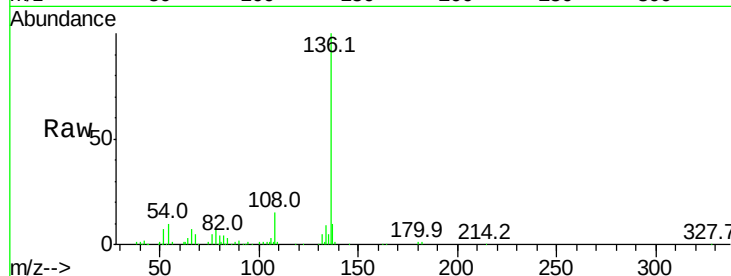




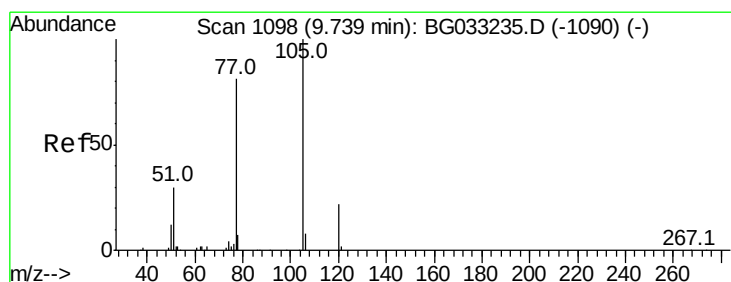
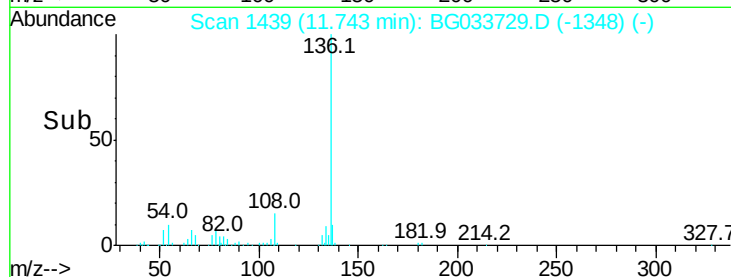
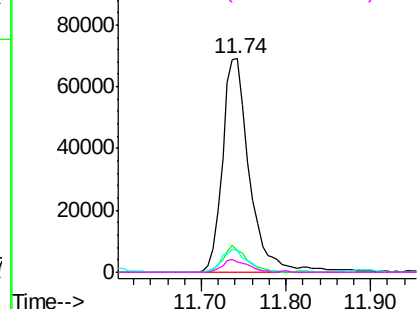
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.74 min Scan# 1439  
Delta R.T. 0.01 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion:136 | Resp: | 153730      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.0  | 9.2 13.8    |
| 54          | 10.2  | 10.3 15.5#  |
| 68          | 4.7   | 4.5 6.7     |

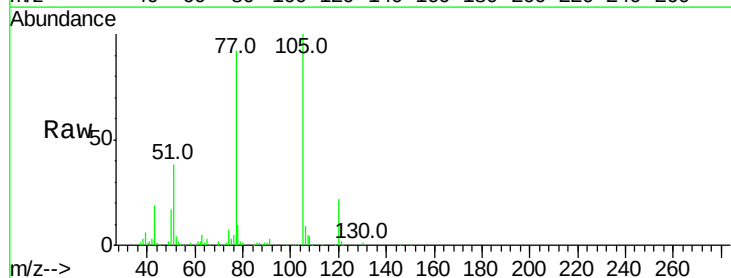


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

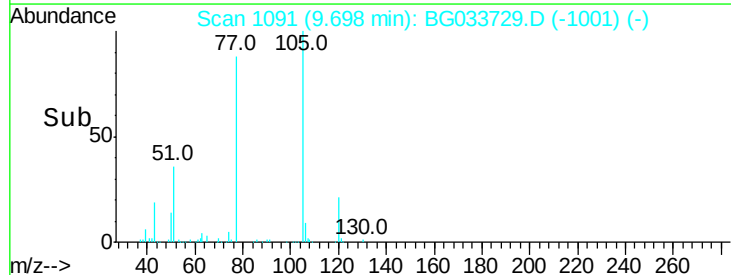
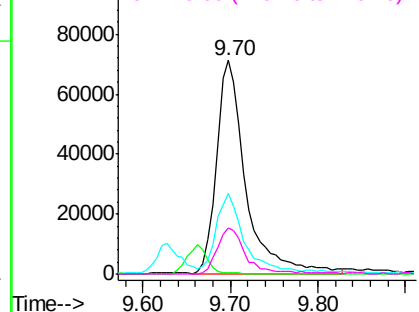


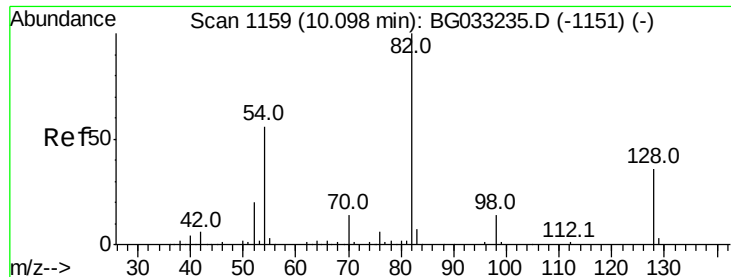
#22  
Acetophenone  
Concen: 38.996 ng  
RT: 9.70 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

| Tgt Ion:105 | Resp: | 164238      |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 71          | 0.4   | 3.0 4.4#    |
| 51          | 37.8  | 26.1 39.1   |
| 120         | 21.7  | 17.4 26.2   |



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

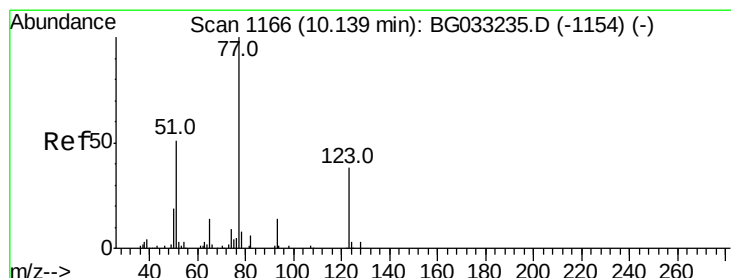
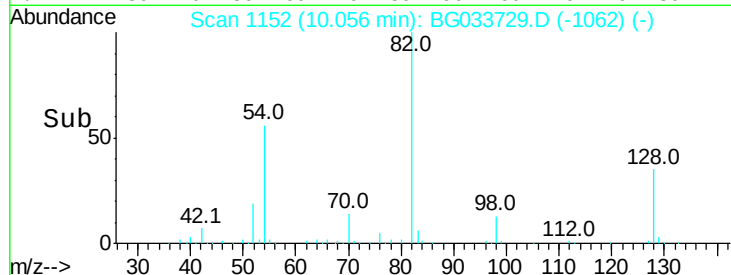
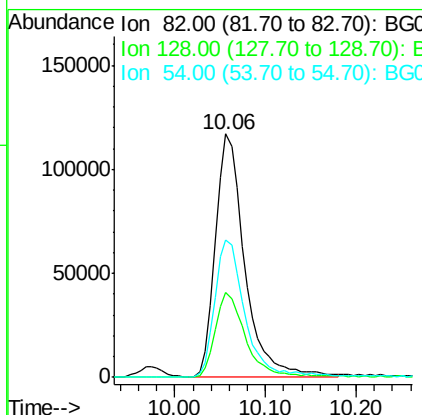
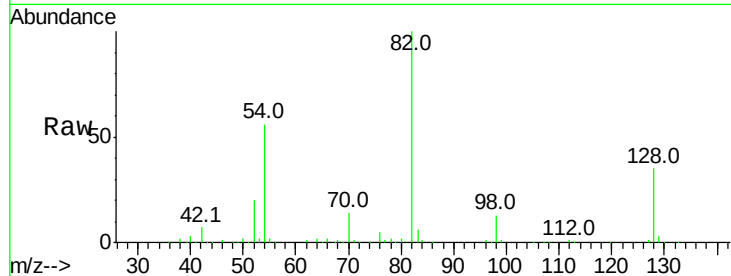




#23  
 Nitrobenzene-d5  
 Concen: 79.065 ng  
 RT: 10.06 min Scan# 1152  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

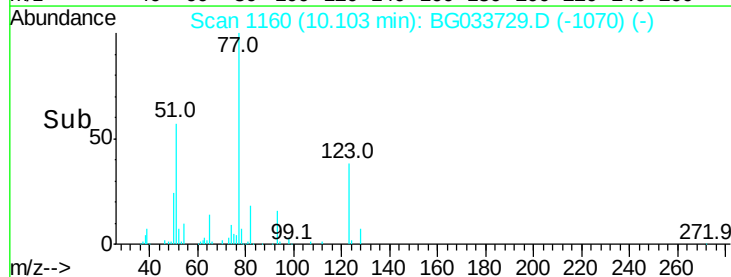
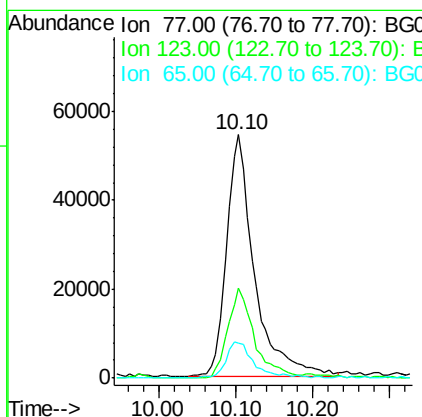
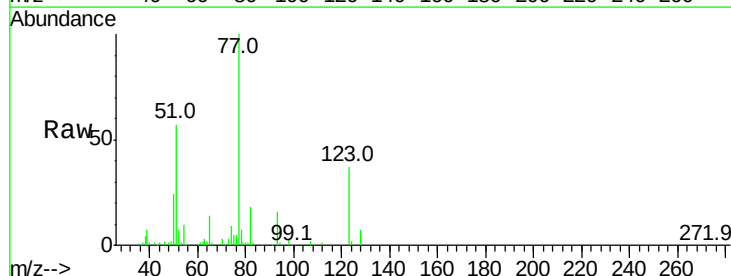
Instrument :  
 BNA\_G  
 ClientSampleId :

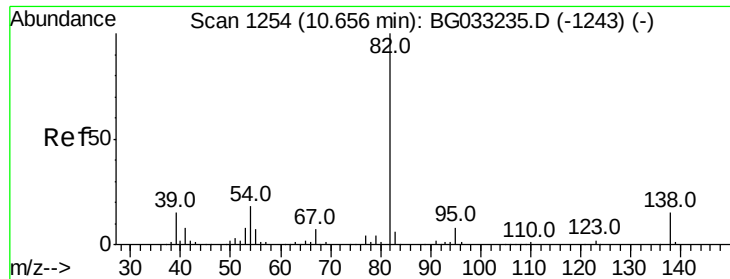
| Tot Ion | 82    | Resp  | 264555 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 34.9  | 29.7  | 44.5   |
| 54      | 56.4  | 43.1  | 64.7   |



#24  
 Nitrobenzene  
 Concen: 38.323 ng  
 RT: 10.10 min Scan# 1160  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

| Tgt Ion | 77    | Resp  | 137254 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 37.1  | 33.0  | 49.6   |
| 65      | 14.2  | 13.0  | 19.6   |





#25

Isophorone

Concen: 40.269 ng

RT: 10.61 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

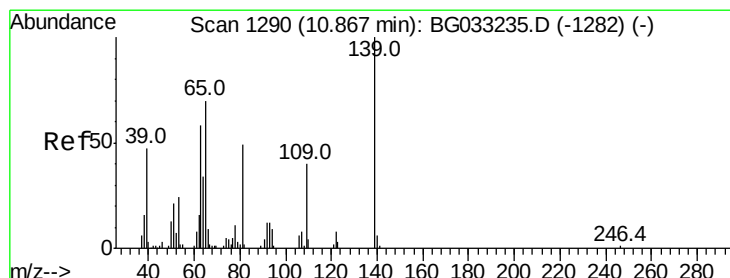
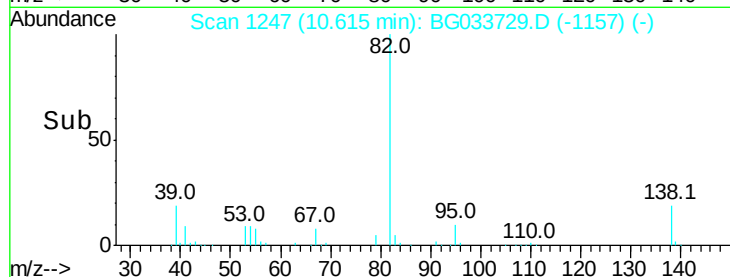
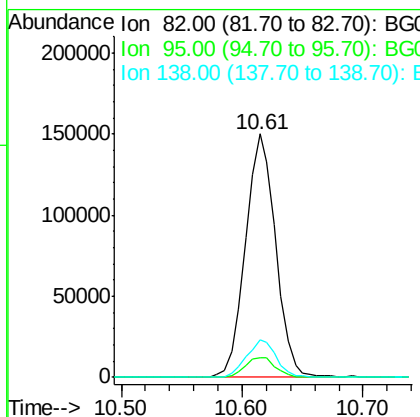
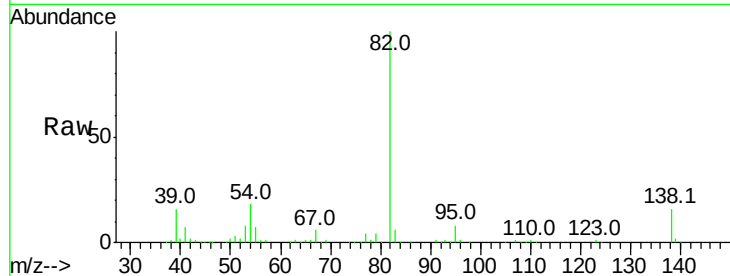
Tot Ion: 82 Resp: 261514

Ion Ratio Lower Upper

82 100

95 8.2 6.2 9.2

138 15.6 12.1 18.1



#26

2-Nitrophenol

Concen: 39.133 ng

RT: 10.83 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

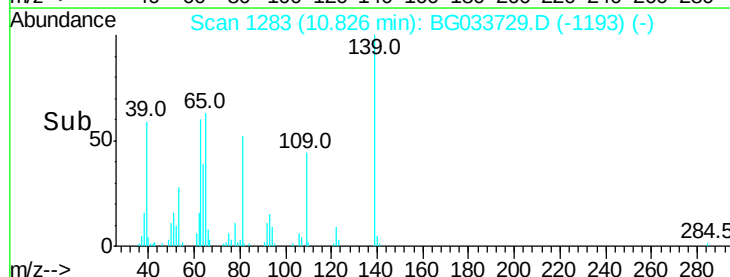
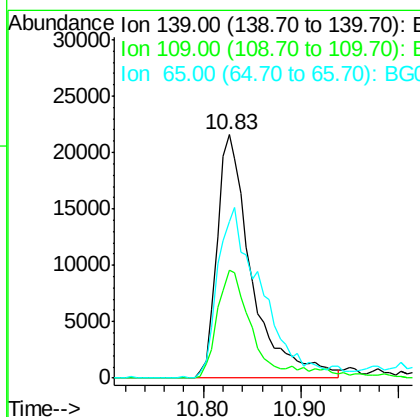
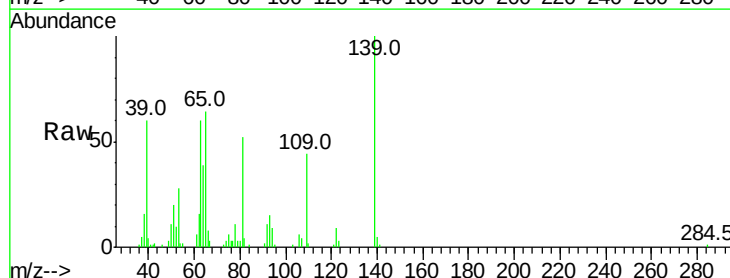
Tgt Ion: 139 Resp: 53062

Ion Ratio Lower Upper

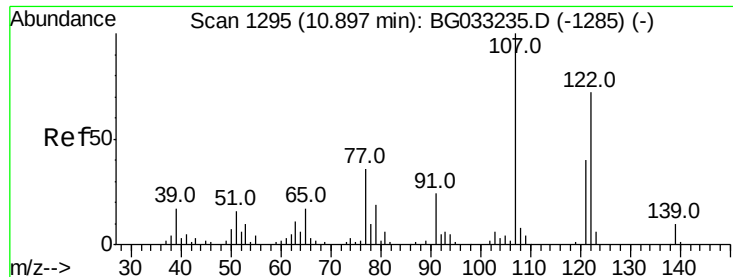
139 100

109 44.2 24.2 36.2#

65 64.4 47.4 71.0



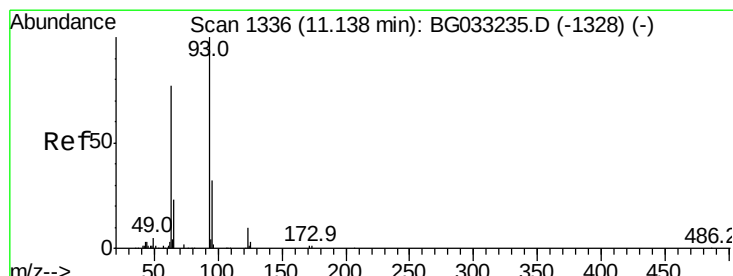
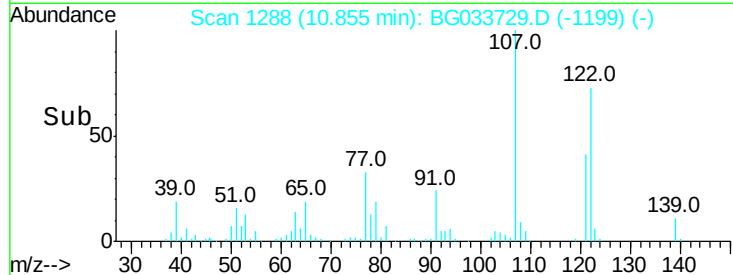
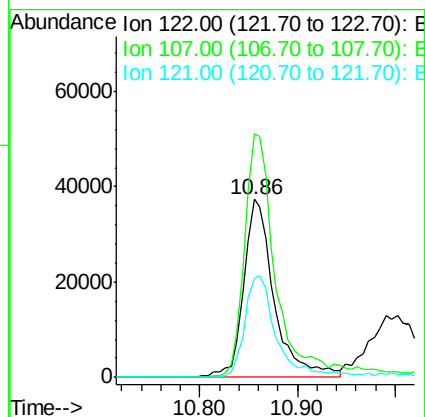
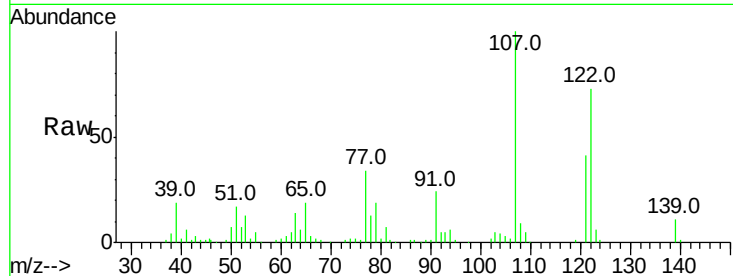




#27  
 2,4-Dimethylphenol  
 Concen: 41.405 ng  
 RT: 10.86 min Scan# 1288  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

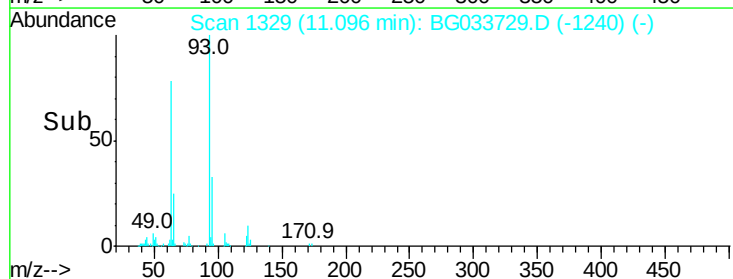
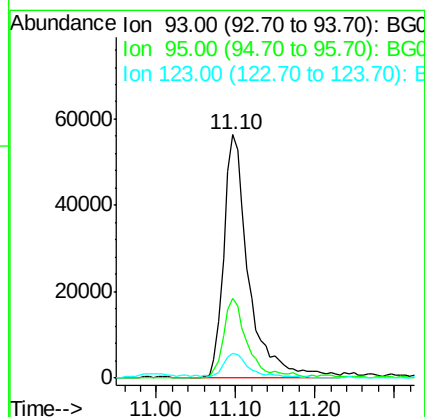
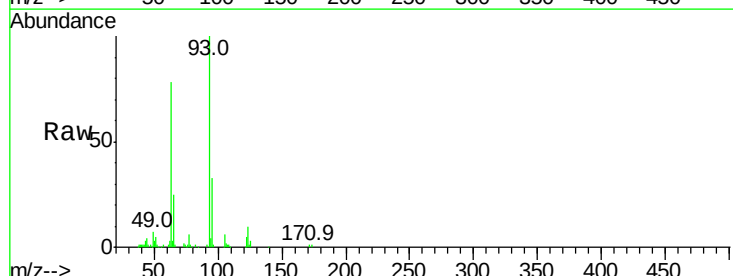
Instrument :  
 BNA\_G  
 ClientSampleId :

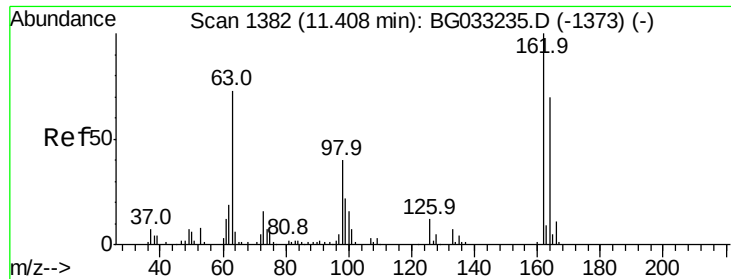
Tot Ion:122 Resp: 81557  
 Ion Ratio Lower Upper  
 122 100  
 107 137.0 100.2 150.2  
 121 55.5 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.061 ng  
 RT: 11.10 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion: 93 Resp: 123327  
 Ion Ratio Lower Upper  
 93 100  
 95 32.6 24.3 36.5  
 123 10.2 8.4 12.6

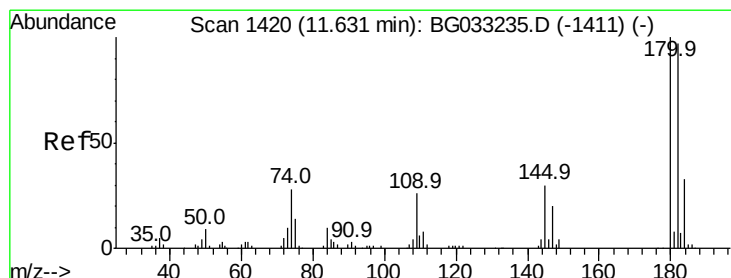
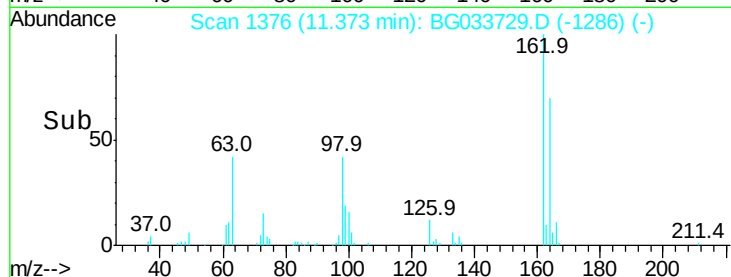
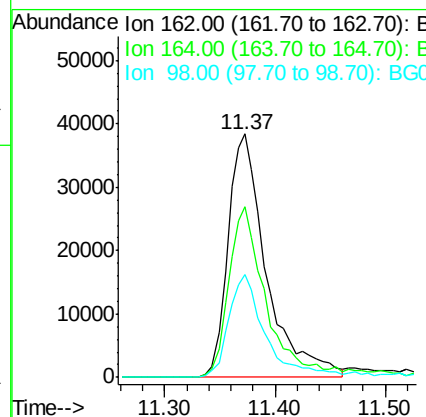
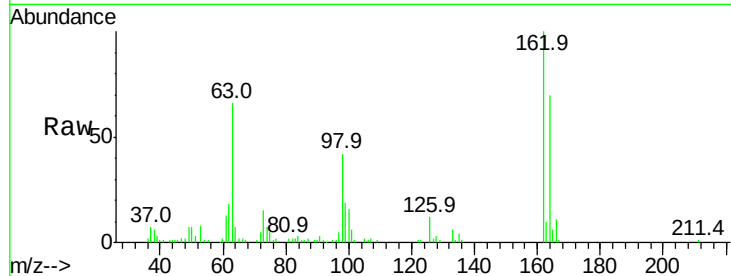




#29  
2,4-Dichlorophenol  
Concen: 38.424 ng  
RT: 11.37 min Scan# 1376  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

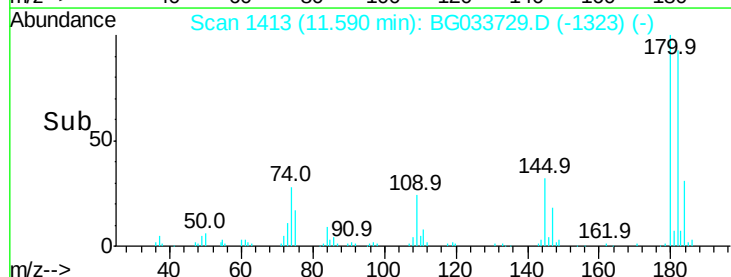
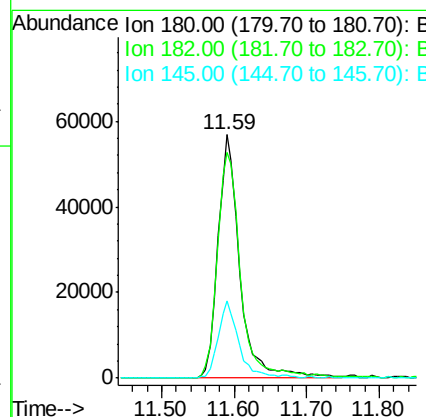
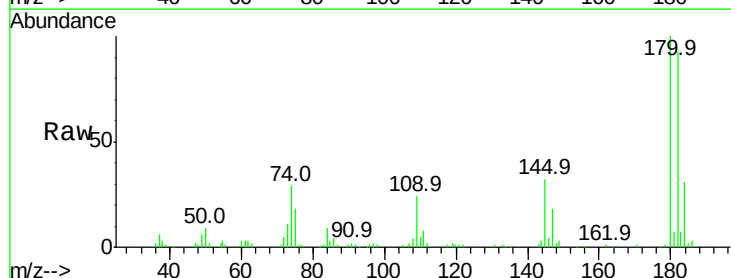
Instrument :  
BNA\_G  
ClientSampled :

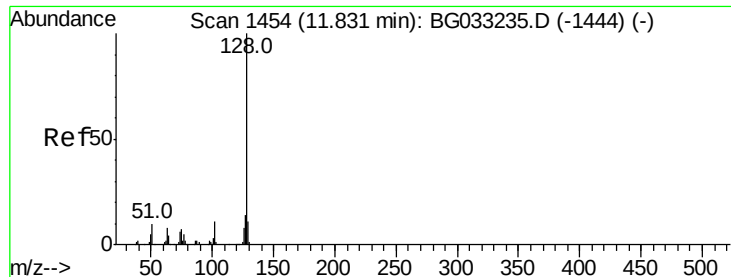
Tot Ion:162 Resp: 93078  
Ion Ratio Lower Upper  
162 100  
164 70.4 48.0 88.0  
98 42.5 21.1 61.1



#30  
1,2,4-Trichlorobenzene  
Concen: 37.954 ng  
RT: 11.59 min Scan# 1413  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:180 Resp: 119452  
Ion Ratio Lower Upper  
180 100  
182 92.6 77.5 116.3  
145 31.9 23.4 35.2

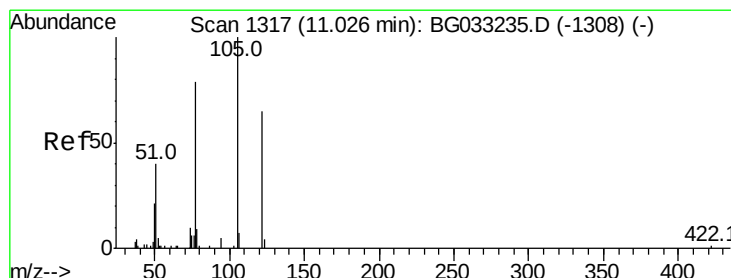
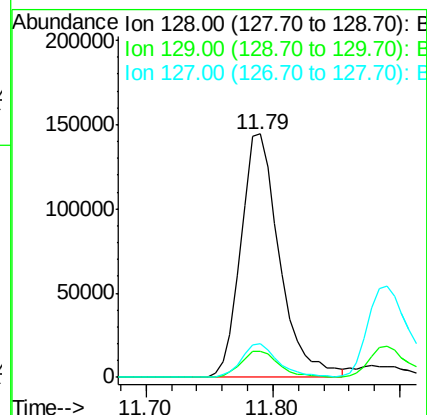
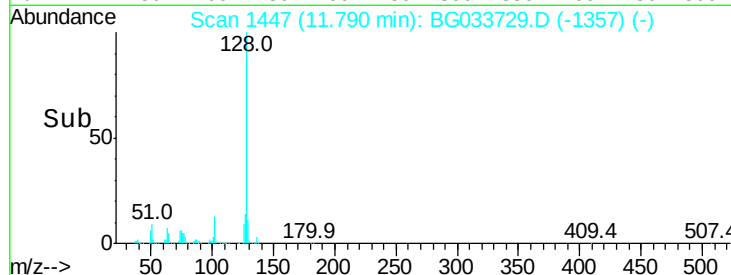
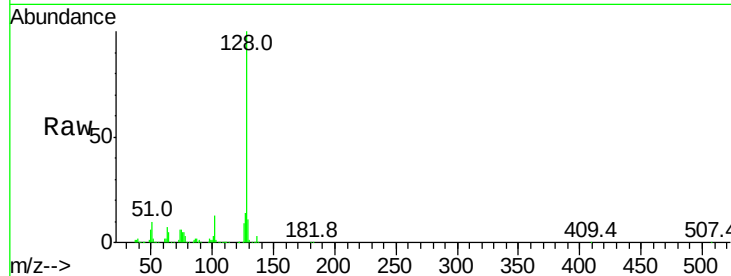




#31  
Naphthalene  
Concen: 38.463 ng  
RT: 11.79 min Scan# 1447  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

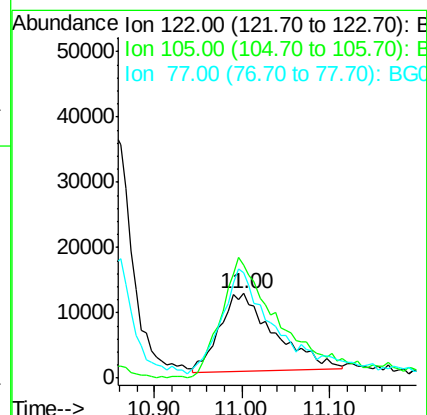
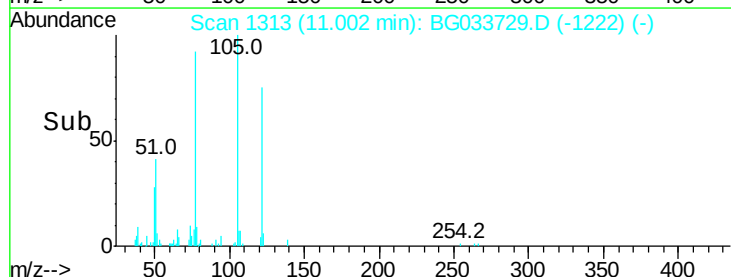
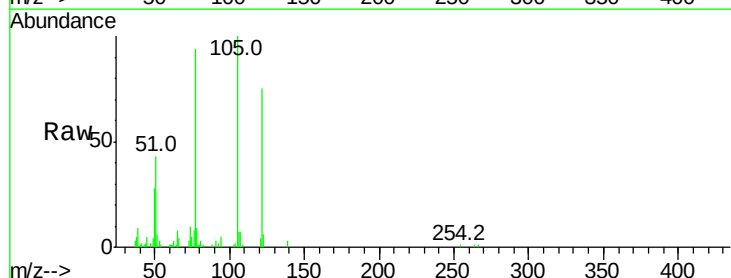
Instrument :  
BNA\_G  
ClientSampleId :

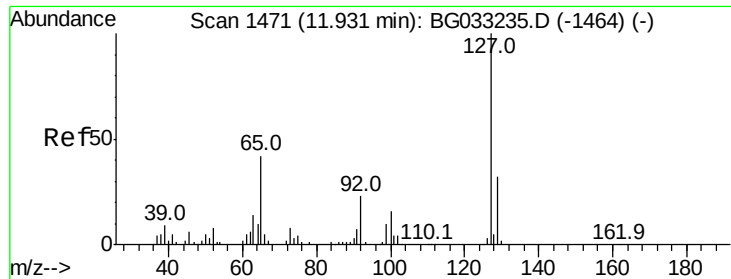
Tot Ion:128 Resp: 306410  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.6 12.8  
127 14.1 11.6 17.4



#32  
Benzoic acid  
Concen: 28.459 ng  
RT: 11.00 min Scan# 1313  
Delta R.T. 0.01 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:122 Resp: 52112  
Ion Ratio Lower Upper  
122 100  
105 133.5 123.5 163.5  
77 125.0 85.7 125.7

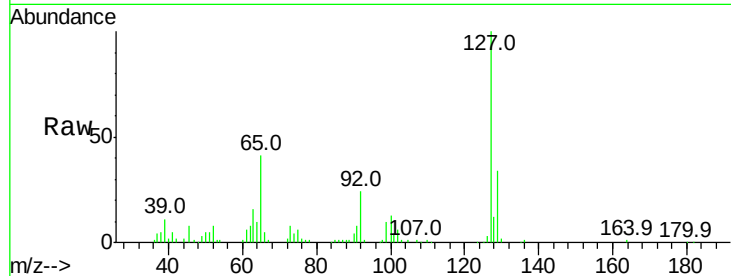




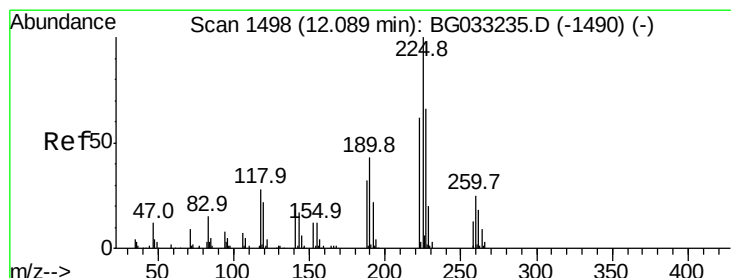
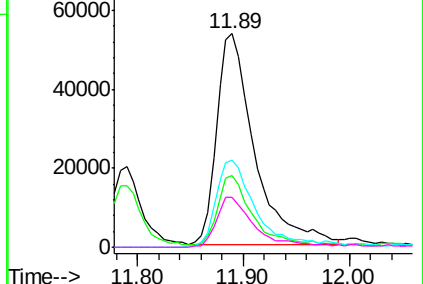
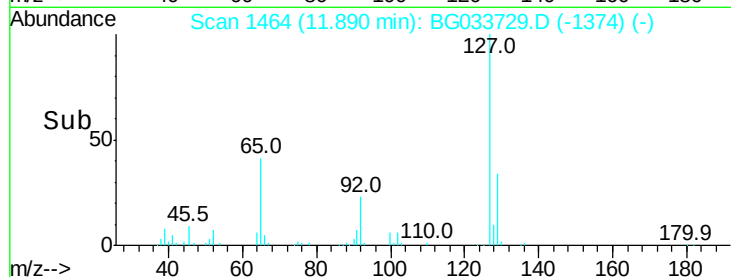
#33  
4-Chloroaniline  
Concen: 37.496 ng  
RT: 11.89 min Scan# 1464  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 133826 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.8  | 24.0  | 36.0   |
| 65       | 40.8  | 27.0  | 40.4#  |
| 92       | 23.6  | 16.6  | 25.0   |

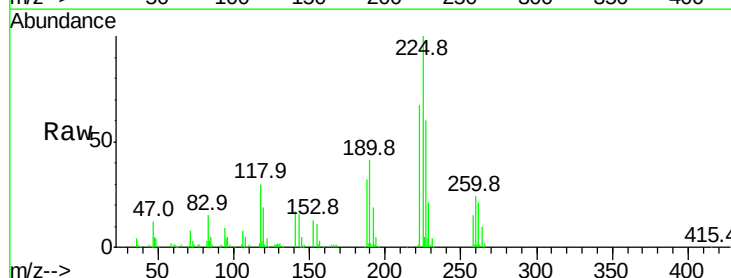


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

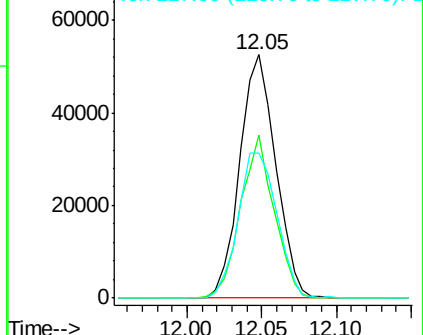
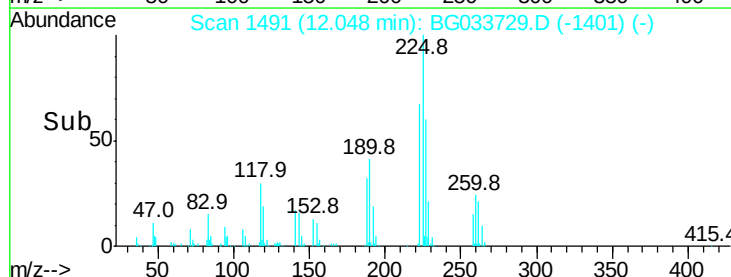


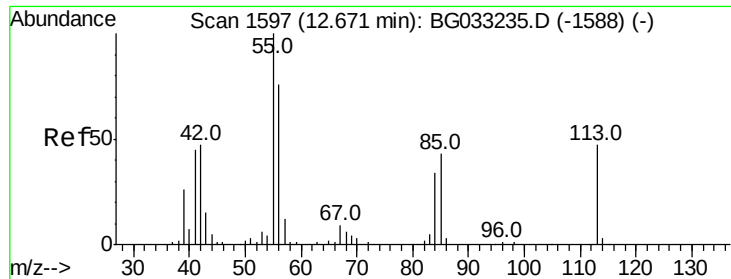
#34  
Hexachlorobutadiene  
Concen: 36.993 ng  
RT: 12.05 min Scan# 1491  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 88046 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 66.8  | 49.7  | 74.5  |
| 227      | 59.5  | 48.1  | 72.1  |



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

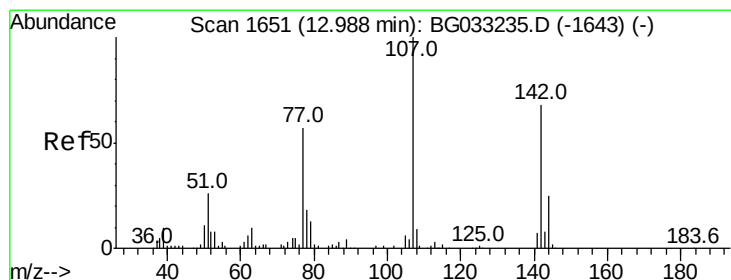
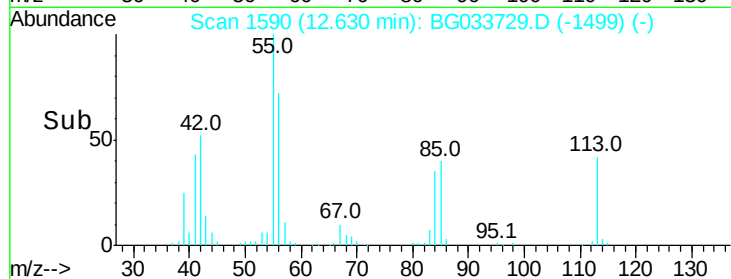
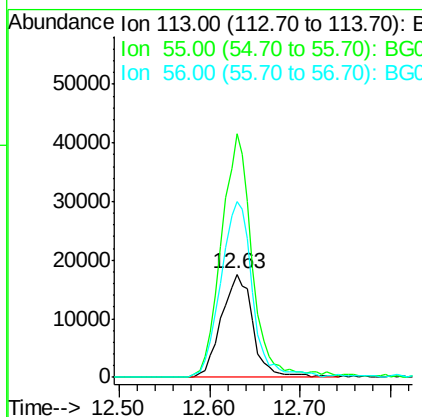
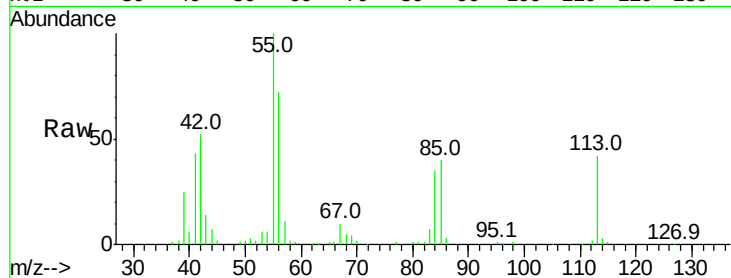




#35  
 Caprolactam  
 Concen: 44.863 ng  
 RT: 12.63 min Scan# 1590  
 Delta R.T. 0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

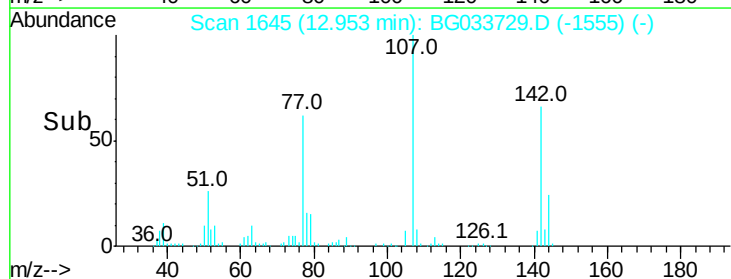
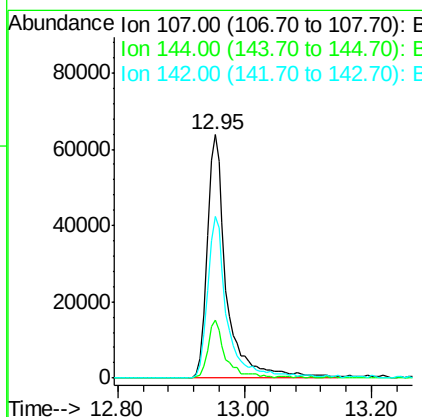
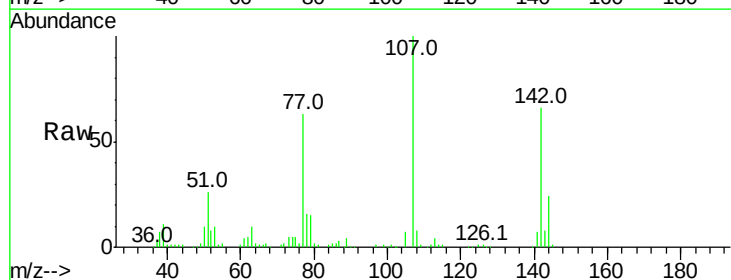
Instrument :  
 BNA\_G  
 ClientSampleId :

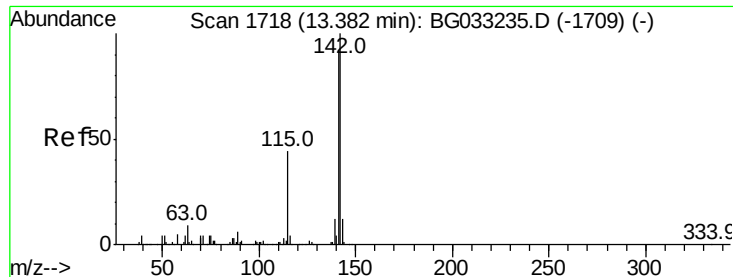
Tot Ion:113 Resp: 42576  
 Ion Ratio Lower Upper  
 113 100  
 55 235.4 186.9 226.9#  
 56 169.5 130.9 170.9



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.410 ng  
 RT: 12.95 min Scan# 1645  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion:107 Resp: 137153  
 Ion Ratio Lower Upper  
 107 100  
 144 23.7 18.2 27.4  
 142 66.5 59.0 88.4





#37

2-Methylnaphthalene

Concen: 37.618 ng

RT: 13.34 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

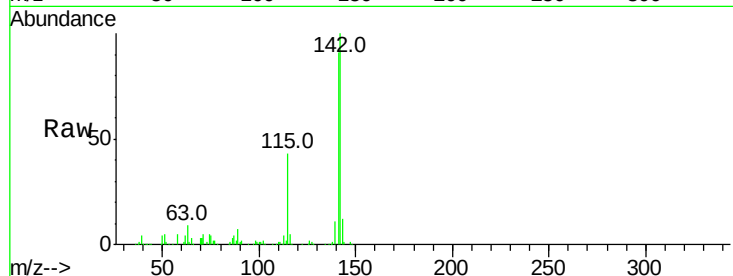
Tot Ion:142 Resp: 232603

Ion Ratio Lower Upper

142 100

141 90.9 67.1 100.7

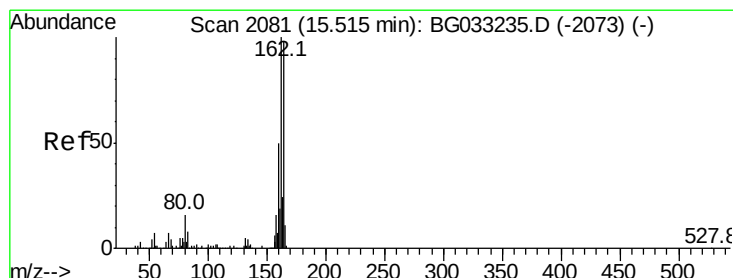
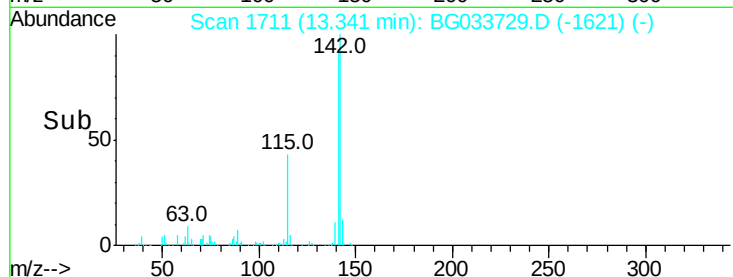
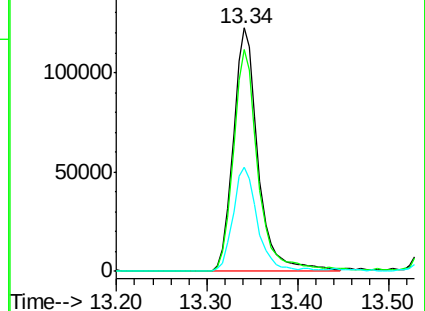
115 42.6 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

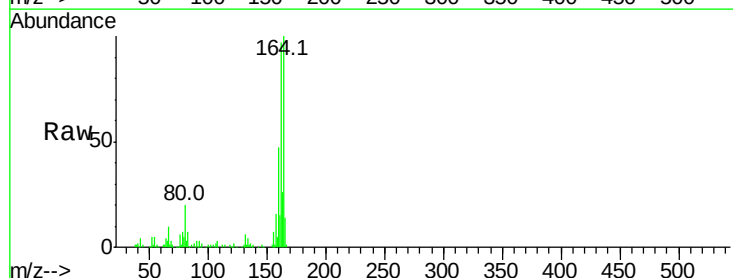
Tgt Ion:164 Resp: 120723

Ion Ratio Lower Upper

164 100

162 96.9 78.8 118.2

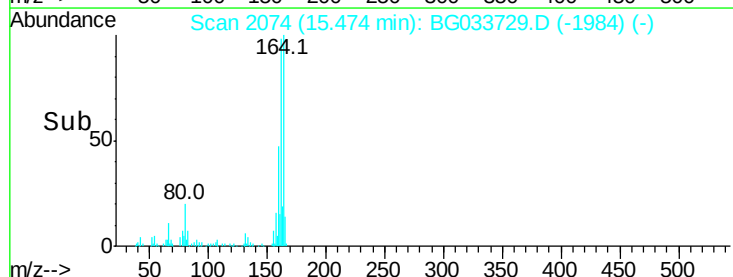
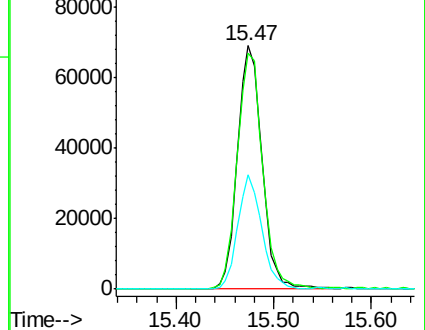
160 46.8 35.4 53.0

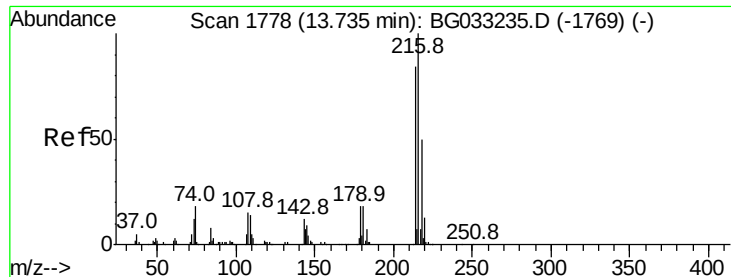


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.991 ng

RT: 13.69 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 157384

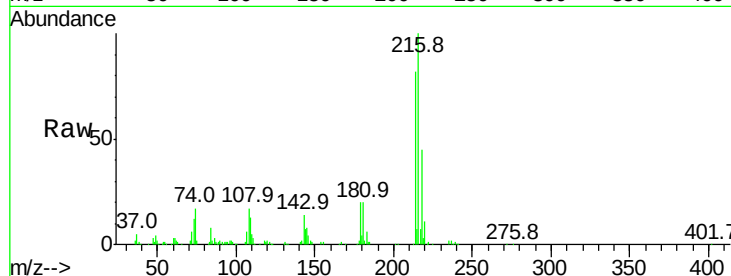
Ion Ratio Lower Upper

216 100

214 78.9 63.0 94.4

179 19.5 17.0 25.6

108 17.2 12.8 19.2

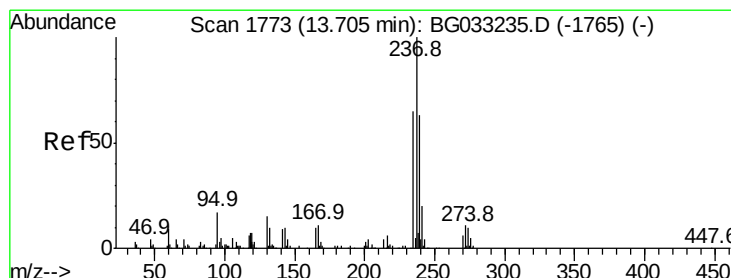
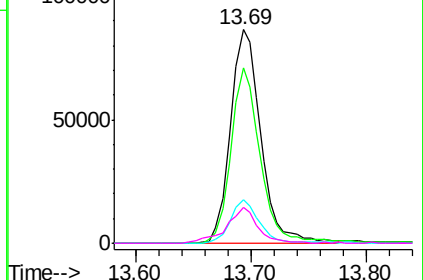
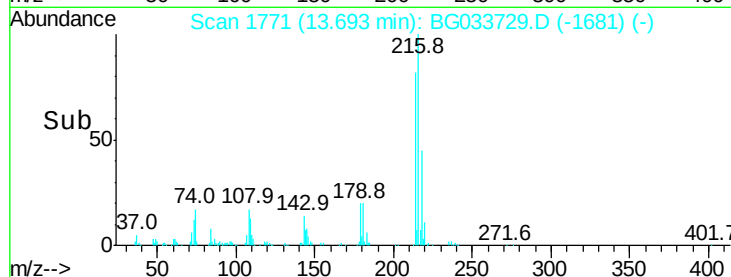


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 37.906 ng

RT: 13.66 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

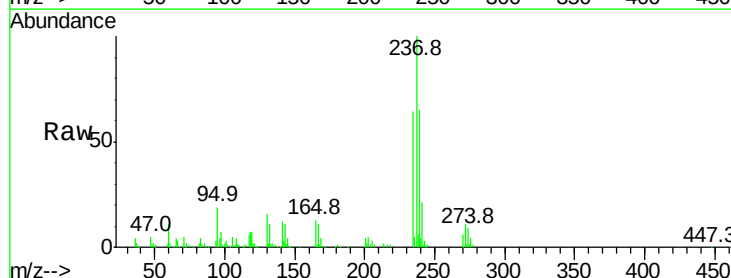
Tgt Ion:237 Resp: 97172

Ion Ratio Lower Upper

237 100

235 64.2 50.4 90.4

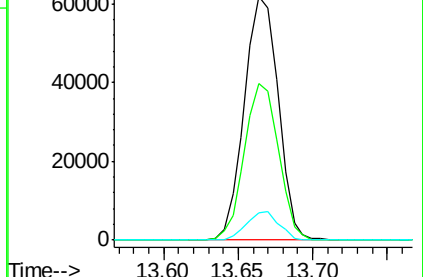
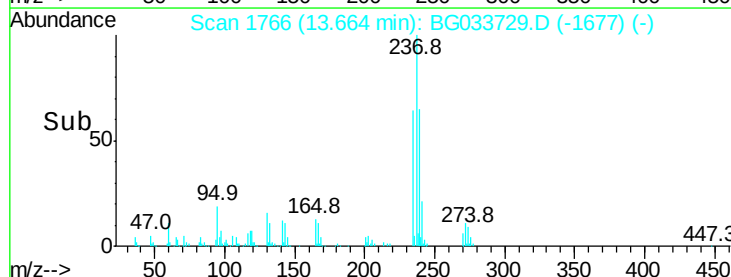
272 11.0 0.0 31.8

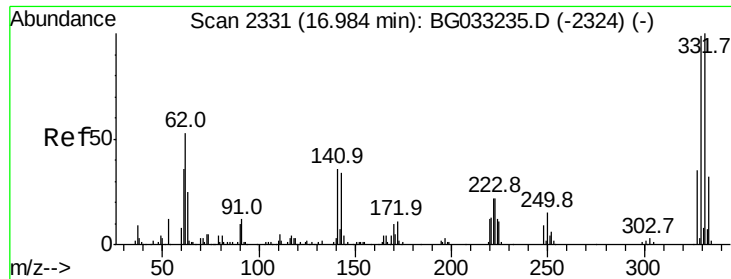


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

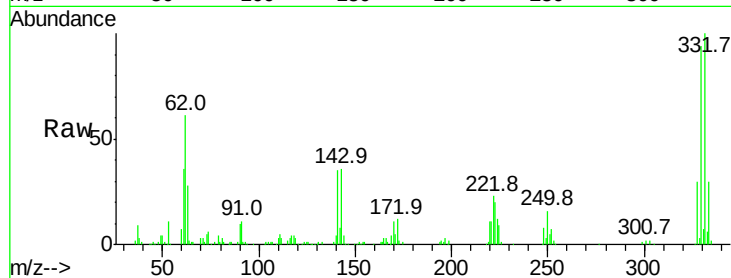




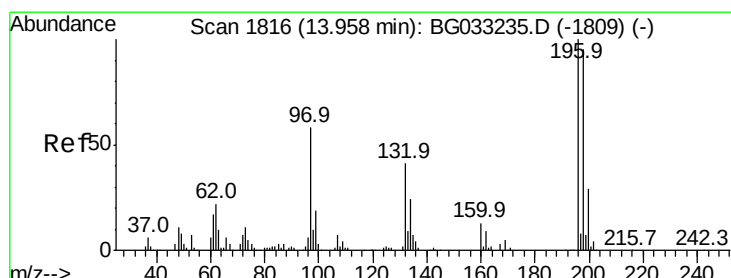
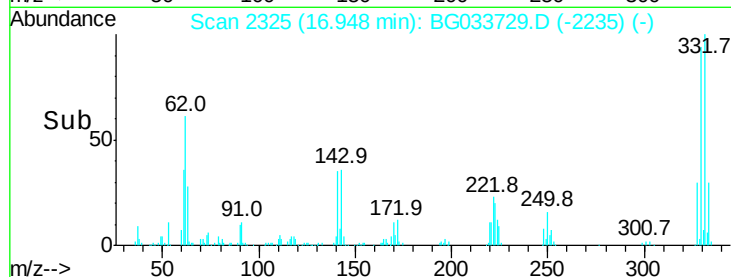
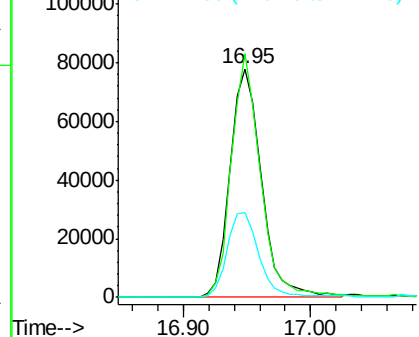
#41  
 2,4,6-Tribromophenol  
 Concen: 74.240 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 77.0  | 115.6 |
| 141     | 37.4  | 25.2  | 37.8  |

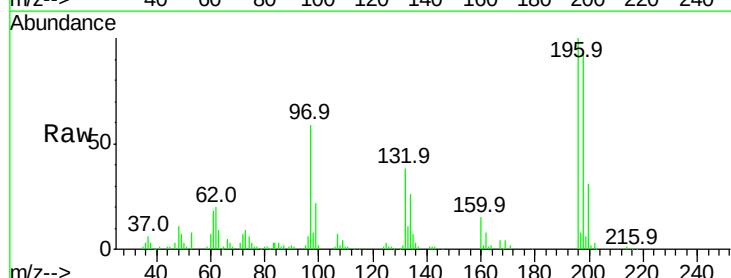


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

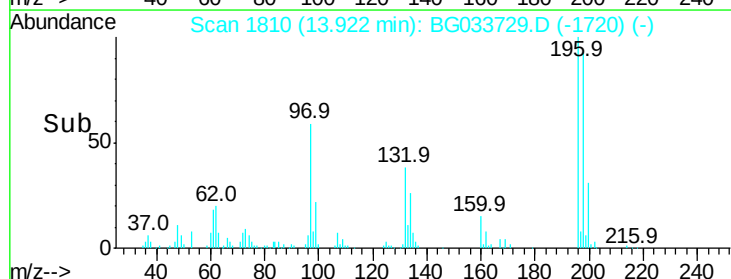
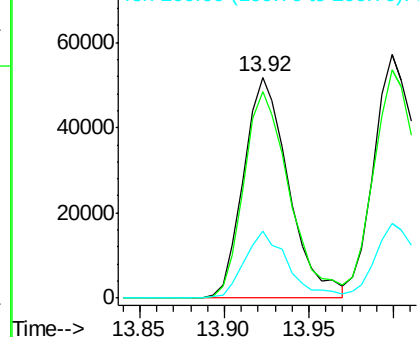


#42  
 2,4,6-Trichlorophenol  
 Concen: 37.906 ng  
 RT: 13.92 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

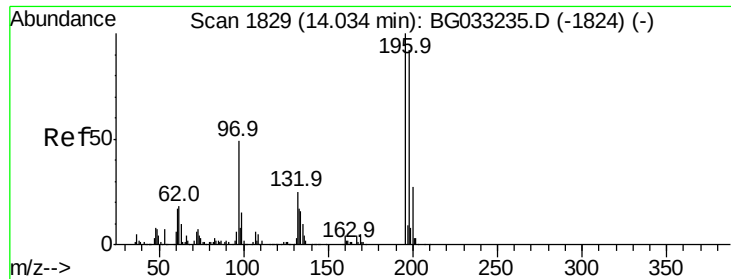
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.4  | 78.2  | 117.2 |
| 200     | 30.5  | 24.6  | 36.8  |



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



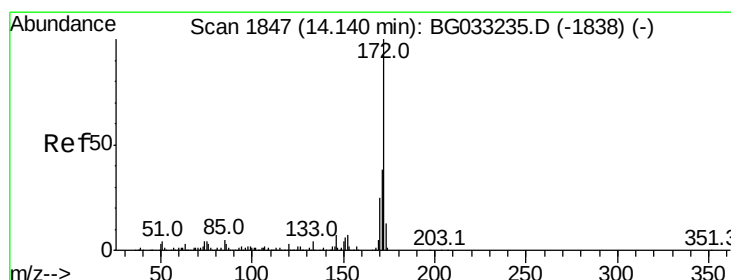
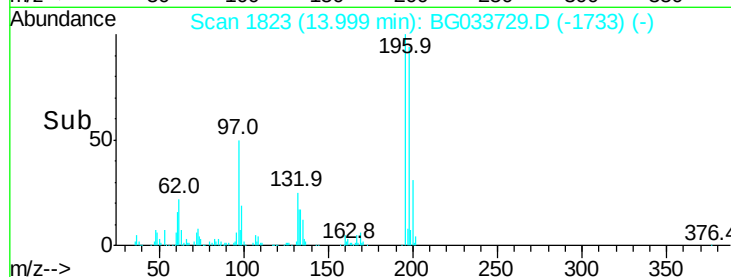
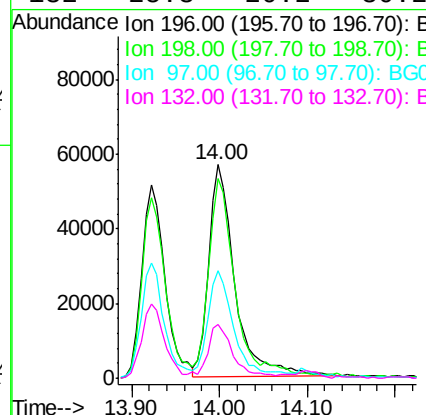
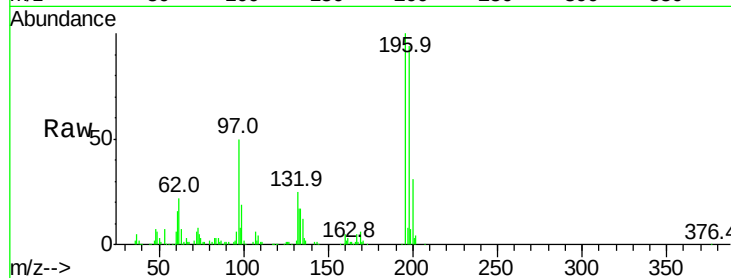




#43  
 2,4,5-Trichlorophenol  
 Concen: 39.390 ng  
 RT: 14.00 min Scan# 1823  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

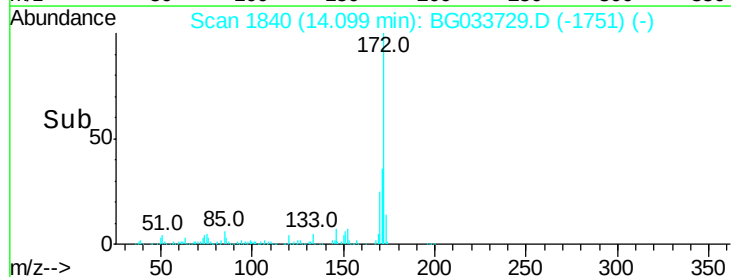
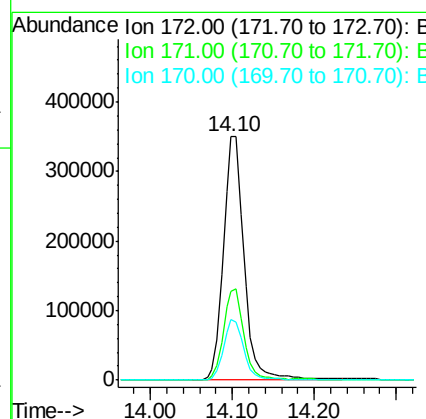
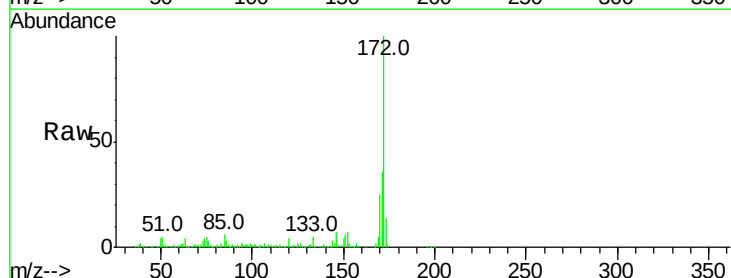
Instrument :  
 BNA\_G  
 ClientSampleId :

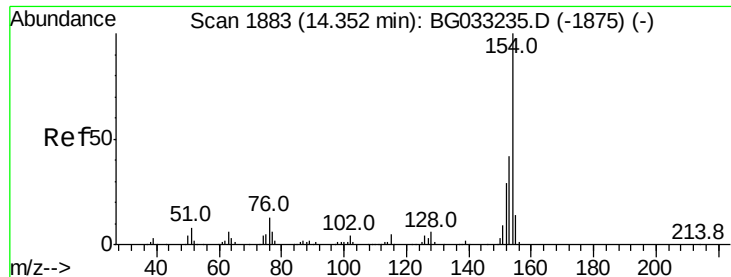
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.6  | 76.2  | 114.4 |
| 97      | 50.3  | 38.7  | 58.1  |
| 132     | 25.3  | 20.2  | 30.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 74.240 ng  
 RT: 14.10 min Scan# 1840  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 30.0  | 45.0  |
| 170     | 25.0  | 19.5  | 29.3  |





#45

1,1'-Biphenyl

Concen: 38.468 ng

RT: 14.32 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

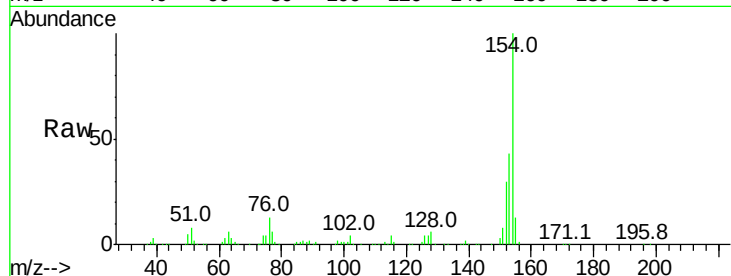
Tot Ion:154 Resp: 356787

Ion Ratio Lower Upper

154 100

153 42.8 19.8 59.8

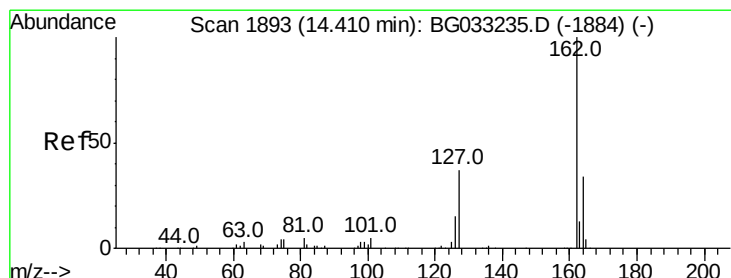
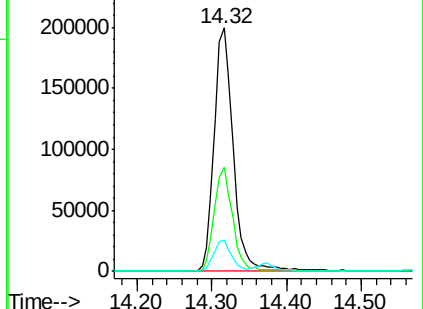
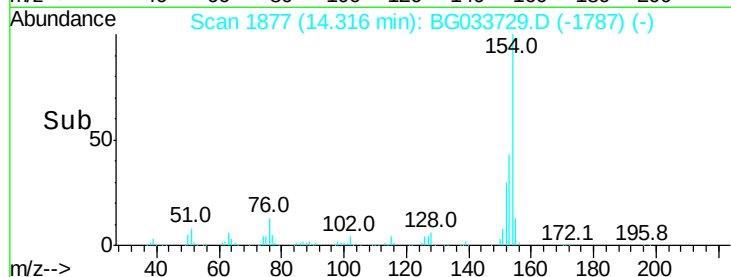
76 12.6 0.0 31.9



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: 38.117 ng

RT: 14.37 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

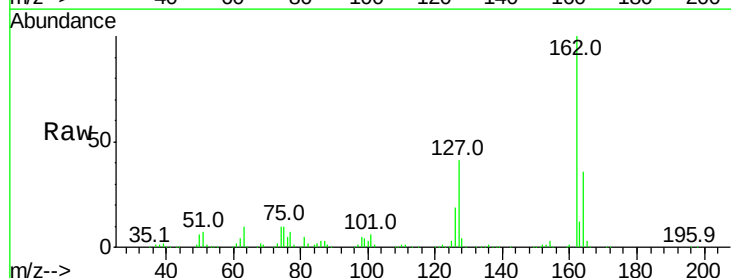
Tgt Ion:162 Resp: 272590

Ion Ratio Lower Upper

162 100

127 40.9 30.7 46.1

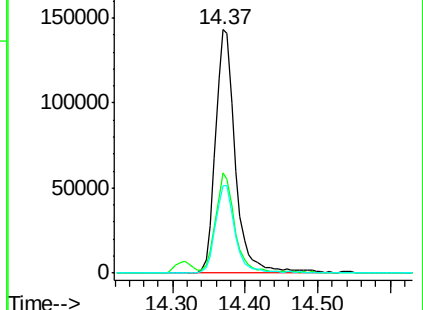
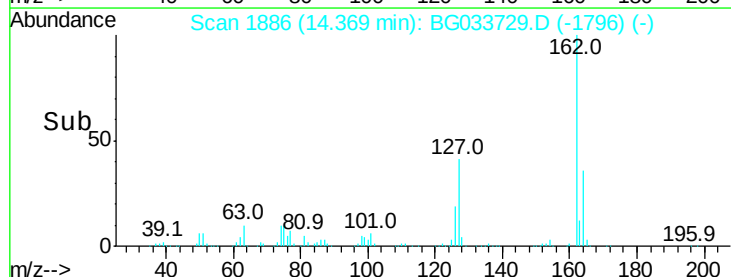
164 36.1 26.0 39.0

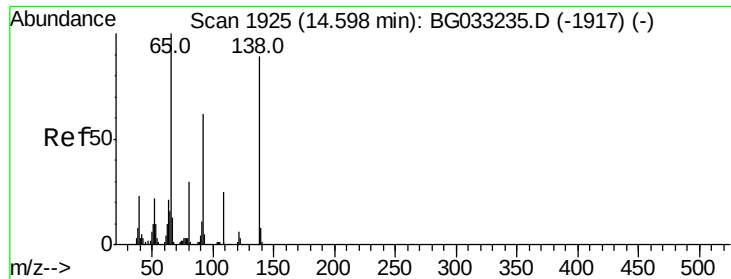


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

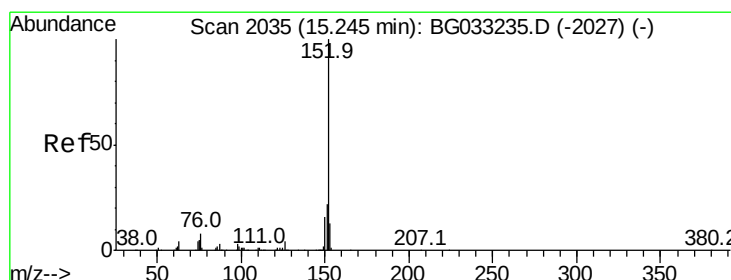
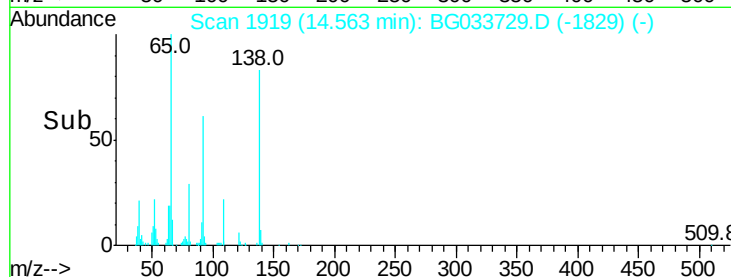
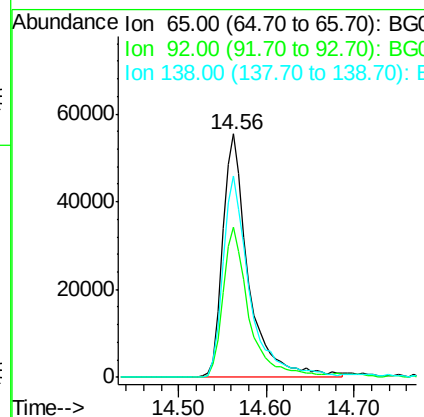
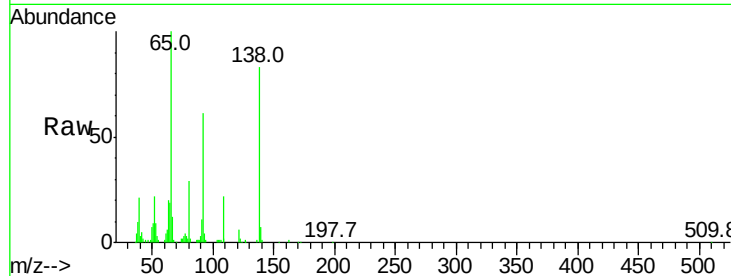




#47  
2-Nitroaniline  
Concen: 42.160 ng  
RT: 14.56 min Scan# 1919  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

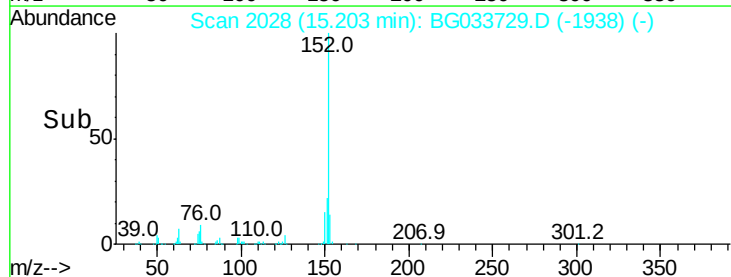
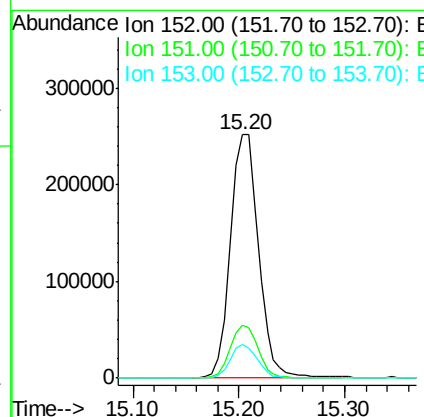
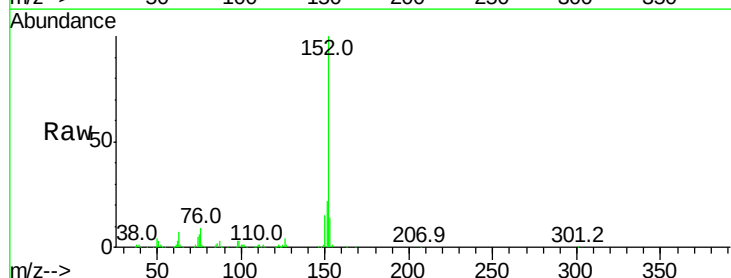
Instrument :  
BNA\_G  
ClientSampleId :

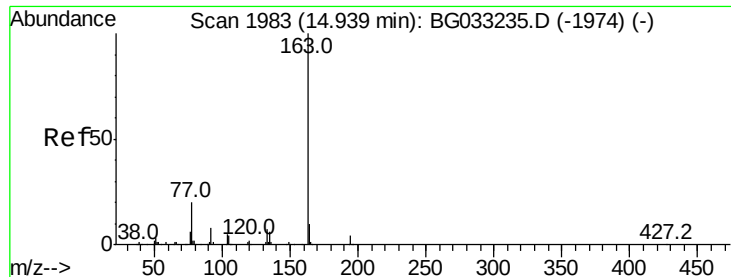
Tot Ion: 65 Resp: 112930  
Ion Ratio Lower Upper  
65 100  
92 61.5 54.6 82.0  
138 82.9 72.9 109.3



#48  
Acenaphthylene  
Concen: 38.740 ng  
RT: 15.20 min Scan# 2028  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion: 152 Resp: 462445  
Ion Ratio Lower Upper  
152 100  
151 21.9 17.2 25.8  
153 13.7 10.2 15.4





#49

Dimethylphthalate

Concen: 39.713 ng

RT: 14.90 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

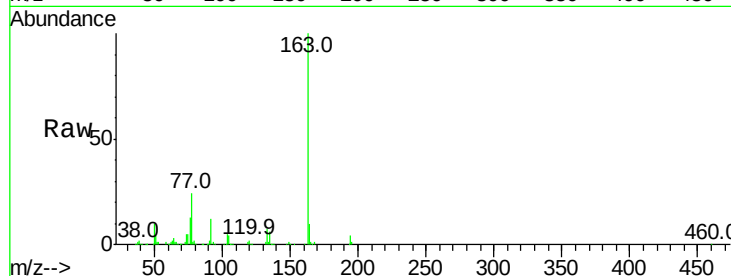
Tot Ion:163 Resp: 417231

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

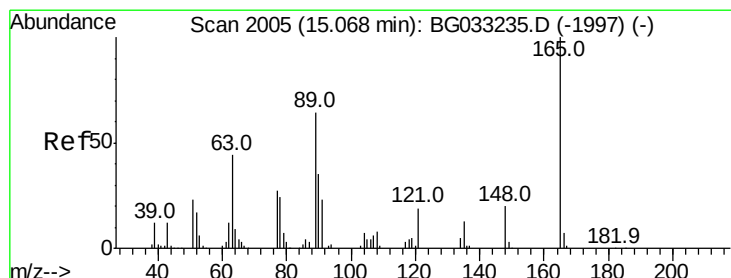
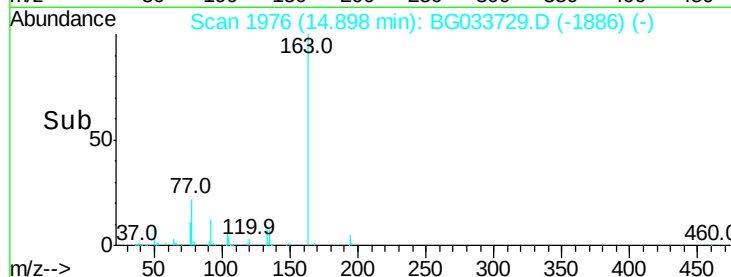
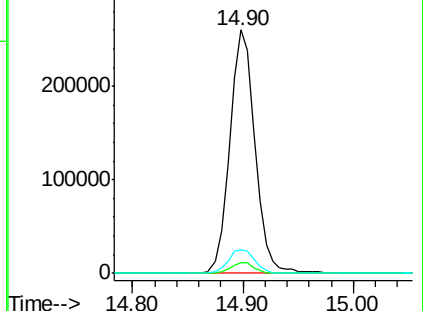
164 9.8 8.2 12.4



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: 39.797 ng

RT: 15.03 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

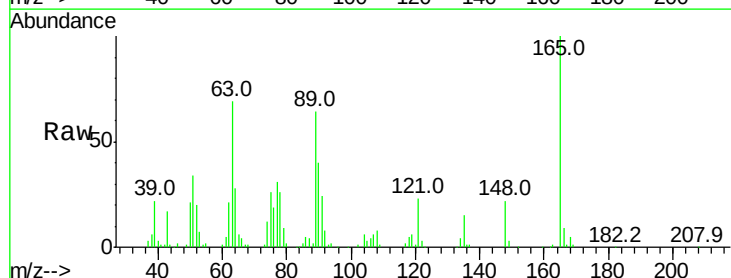
Tgt Ion:165 Resp: 85492

Ion Ratio Lower Upper

165 100

63 69.1 52.7 79.1

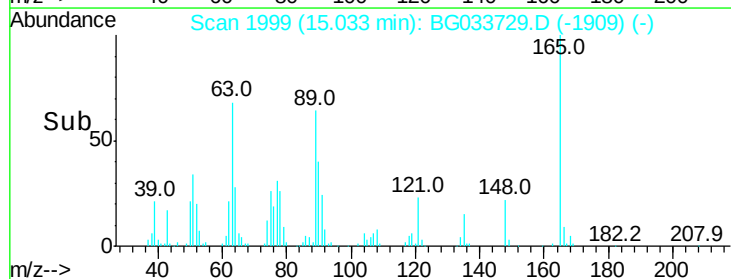
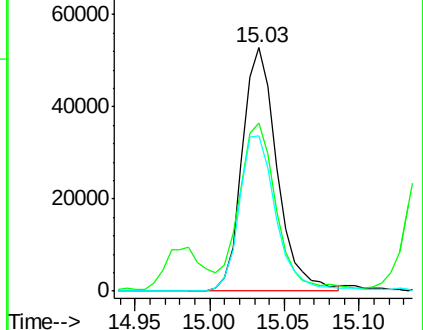
89 64.0 49.2 73.8

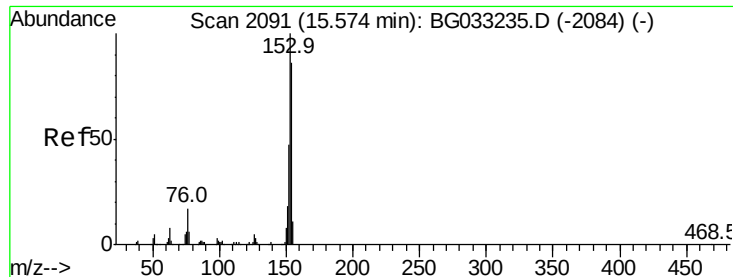


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 41.531 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

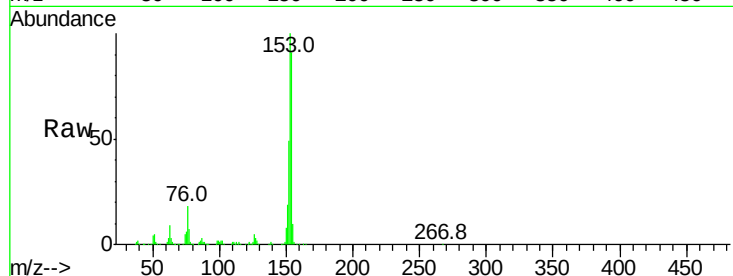
Tot Ion:154 Resp: 319584

Ion Ratio Lower Upper

154 100

153 109.6 90.4 135.6

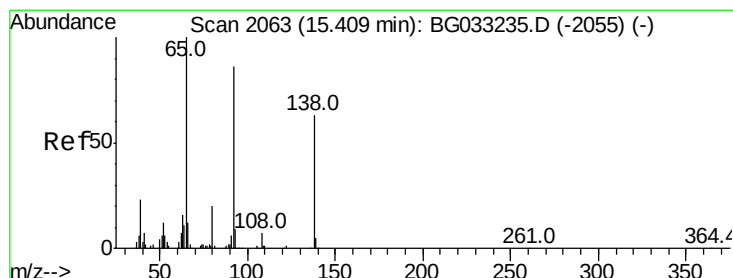
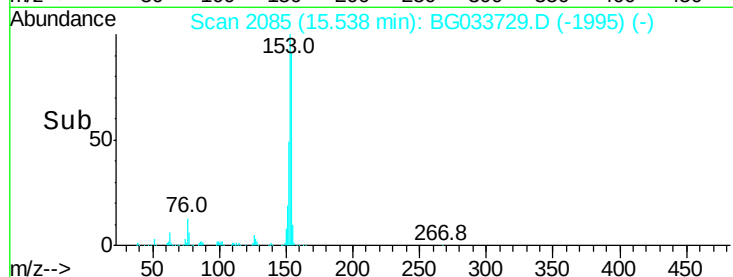
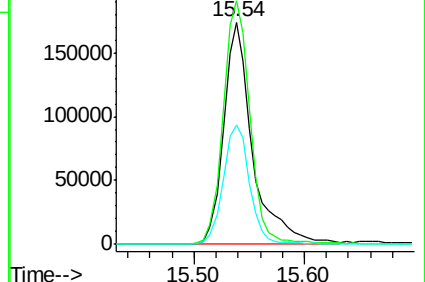
152 53.5 41.6 62.4



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: 39.065 ng

RT: 15.37 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

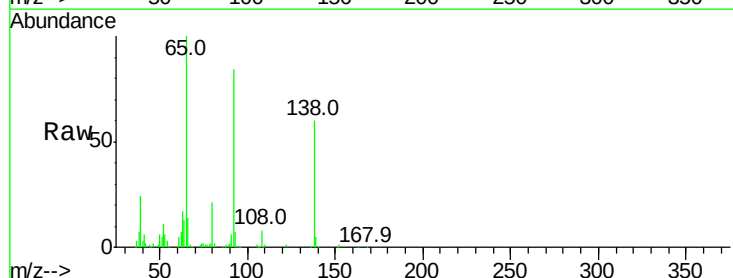
Tgt Ion:138 Resp: 87981

Ion Ratio Lower Upper

138 100

108 13.5 17.5 26.3#

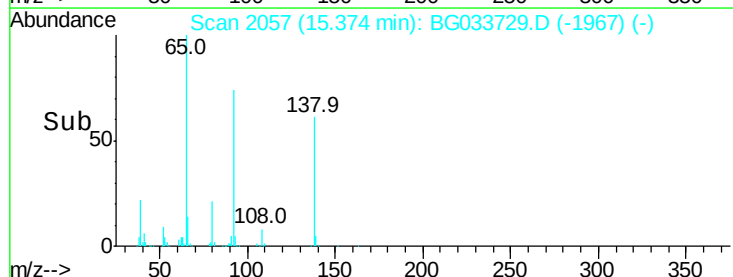
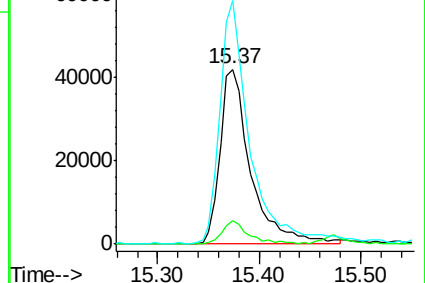
92 139.3 105.8 158.8

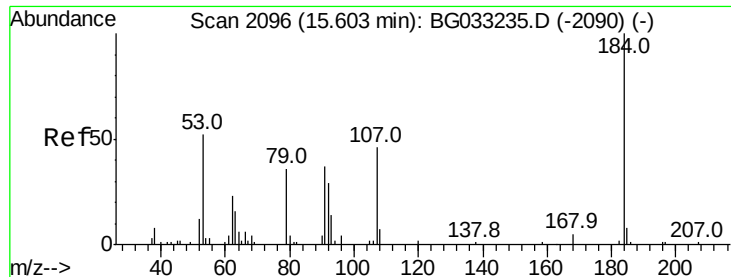


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

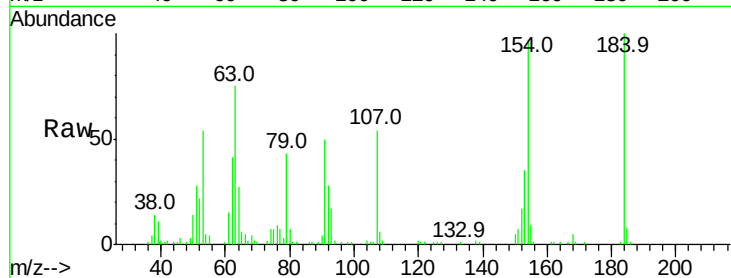




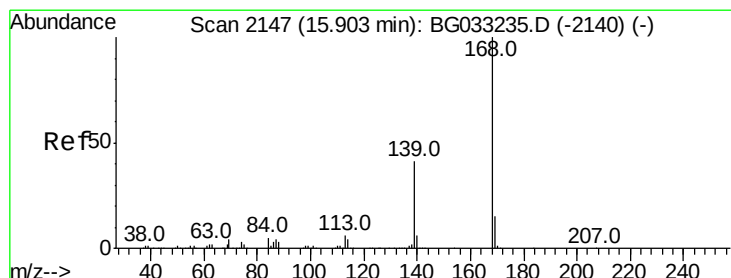
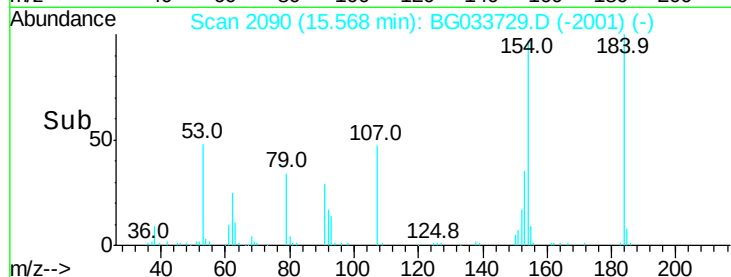
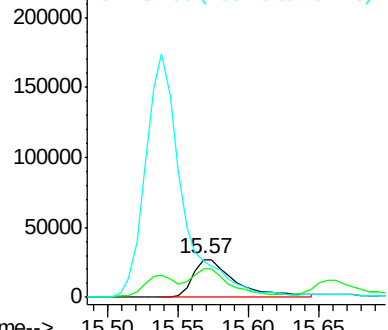
#53  
2,4-Dinitrophenol  
Concen: 53.457 ng  
RT: 15.57 min Scan# 2090  
Delta R.T. -0.01 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 56351  
Ion Ratio Lower Upper  
184 100  
63 75.4 59.8 89.8  
154 97.2 101.8 152.8#

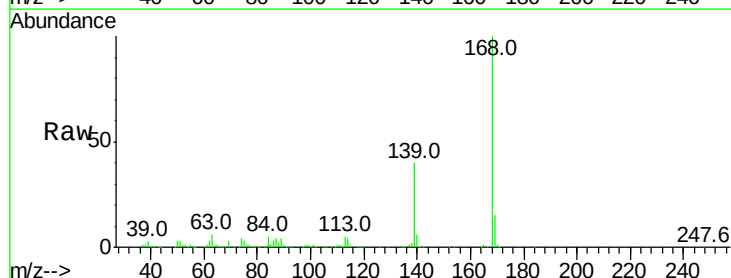


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

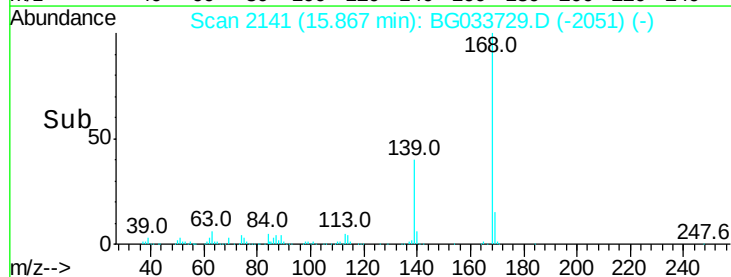
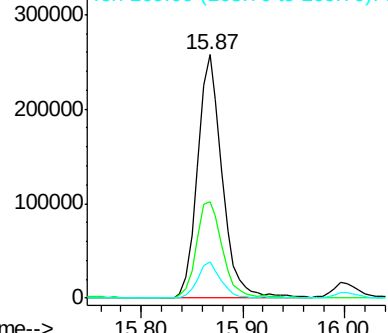


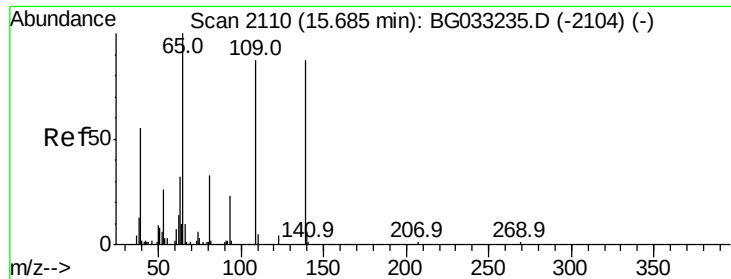
#54  
Dibenzofuran  
Concen: 38.289 ng  
RT: 15.87 min Scan# 2141  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:168 Resp: 435211  
Ion Ratio Lower Upper  
168 100  
139 39.6 28.6 43.0  
169 15.1 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

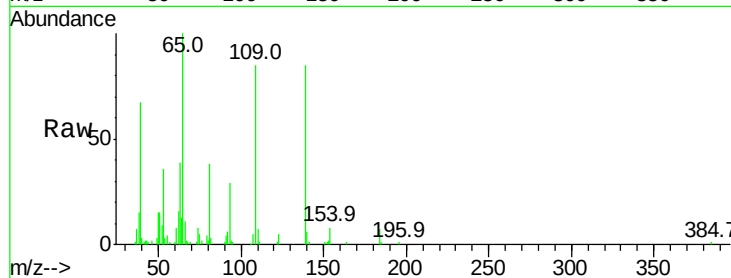




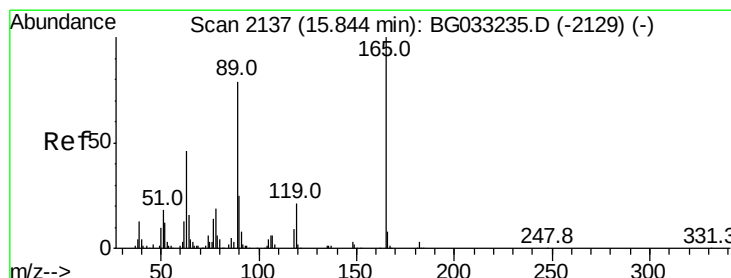
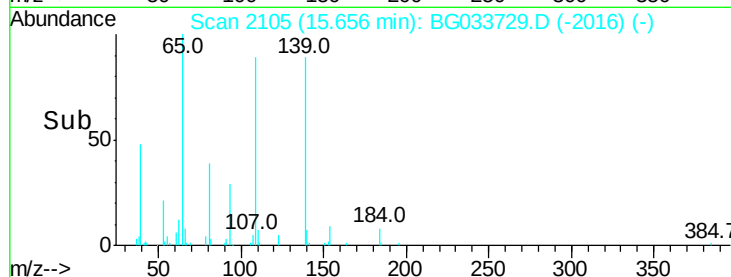
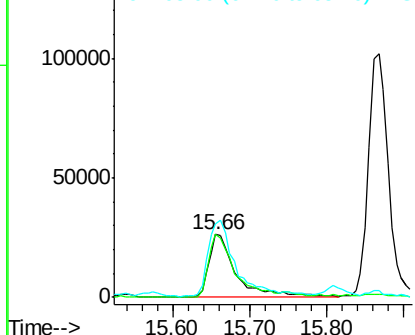
#55  
4-Nitrophenol  
Concen: 40.824 ng  
RT: 15.66 min Scan# 2105  
Delta R.T. -0.01 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:139 Resp: 64652  
Ion Ratio Lower Upper  
139 100  
109 99.5 62.2 102.2  
65 117.1 97.2 137.2

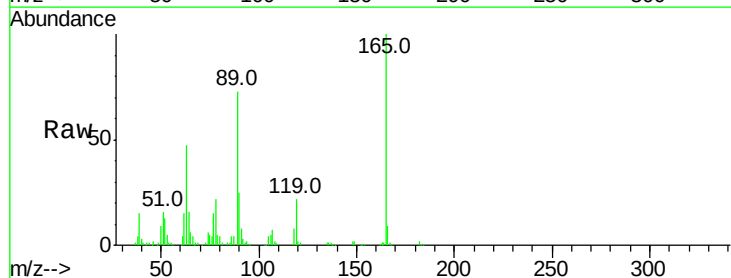


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

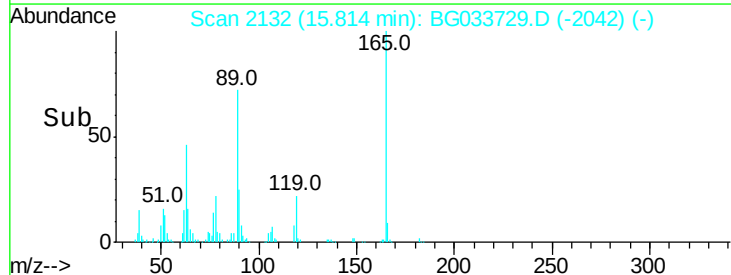
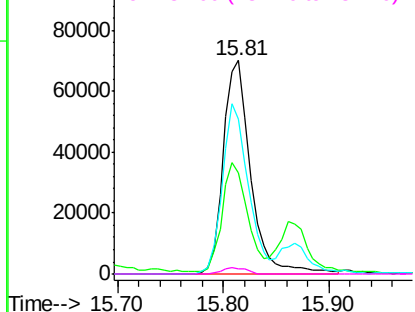


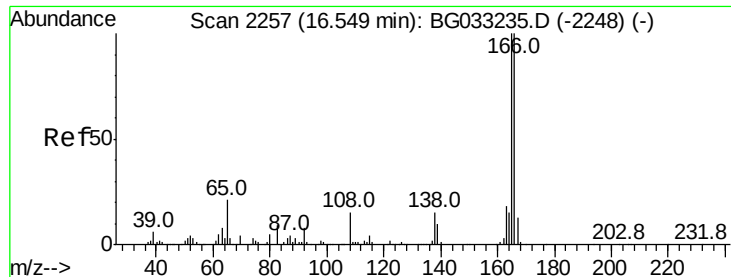
#56  
2,4-Dinitrotoluene  
Concen: 39.921 ng  
RT: 15.81 min Scan# 2132  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:165 Resp: 126272  
Ion Ratio Lower Upper  
165 100  
63 47.1 42.0 63.0  
89 72.8 66.9 100.3  
182 2.2 2.6 3.8#



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





#57

Fluorene

Concen: 39.174 ng

RT: 16.51 min Scan# 2250

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampled :

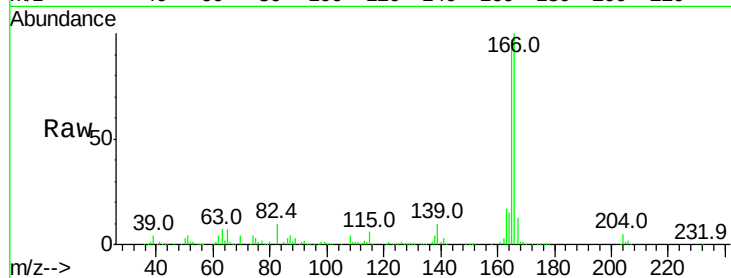
Tot Ion:166 Resp: 379342

Ion Ratio Lower Upper

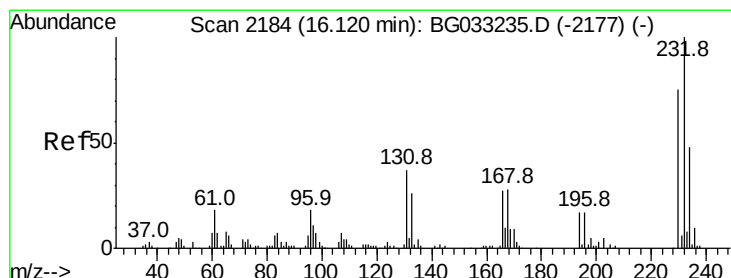
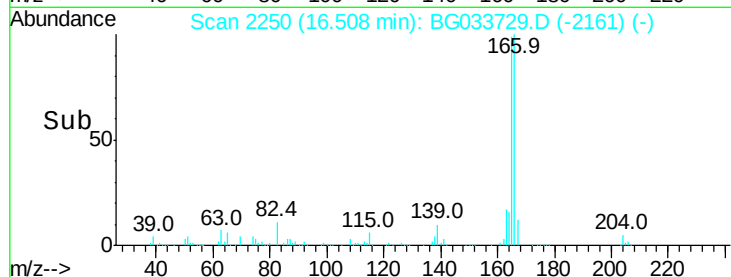
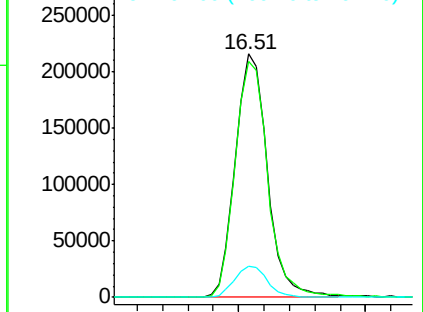
166 100

165 96.7 80.6 121.0

167 12.7 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: 39.230 ng

RT: 16.08 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Tgt Ion:232 Resp: 110909

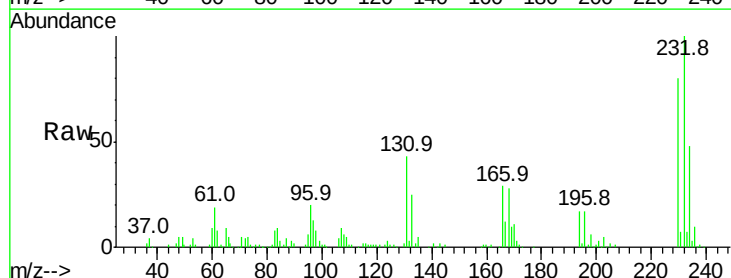
Ion Ratio Lower Upper

232 100

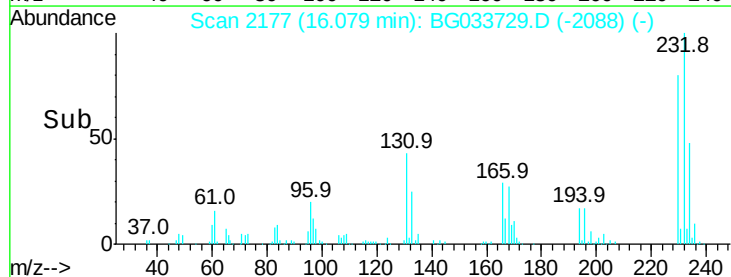
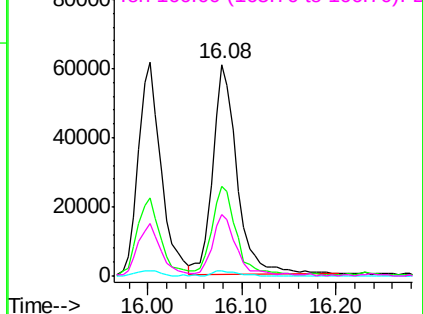
131 41.7 33.5 50.3

130 2.6 2.2 3.2

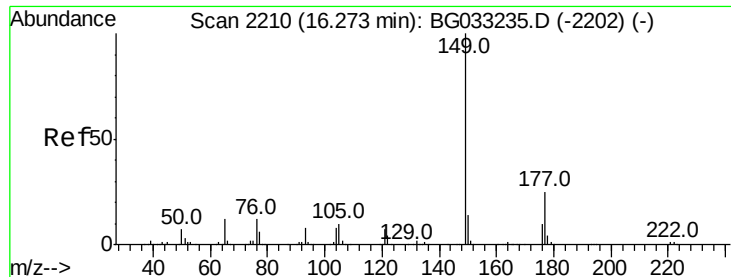
166 26.4 24.8 37.2



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



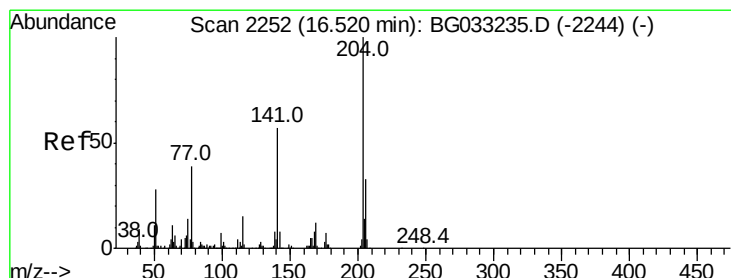
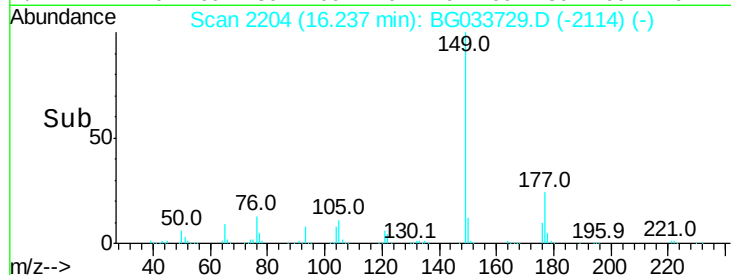
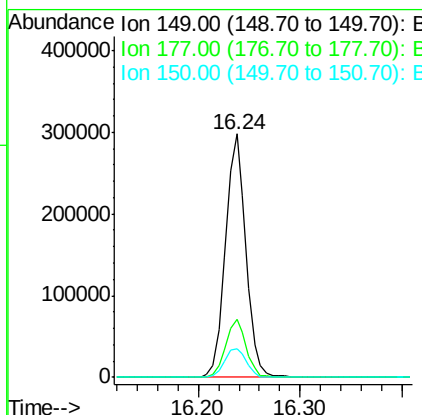
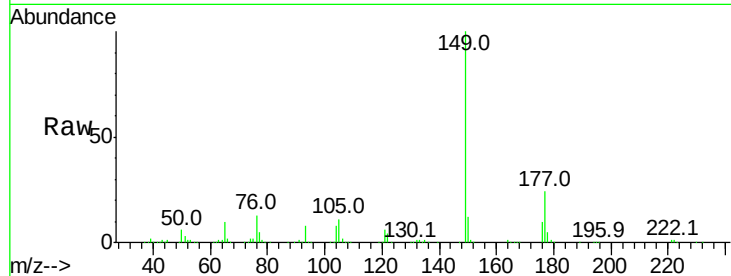




#59  
Diethylphthalate  
Concen: 40.777 ng  
RT: 16.24 min Scan# 2204  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

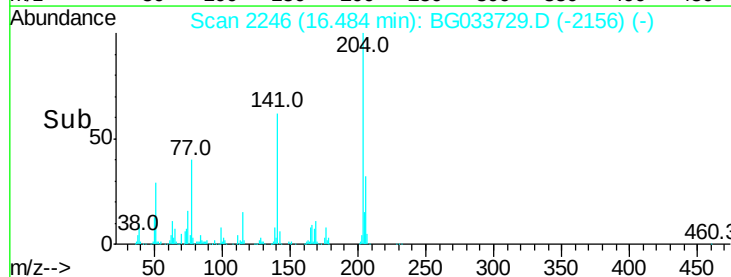
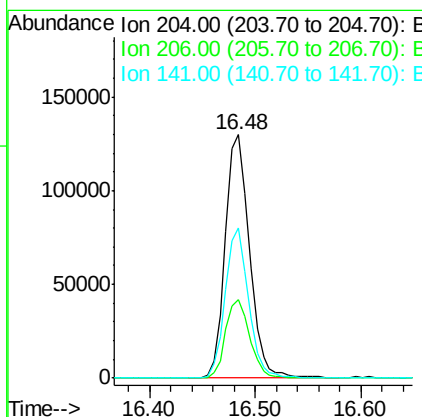
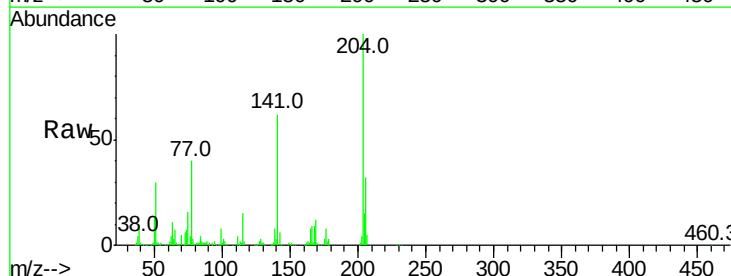
Instrument :  
BNA\_G  
ClientSampleId :

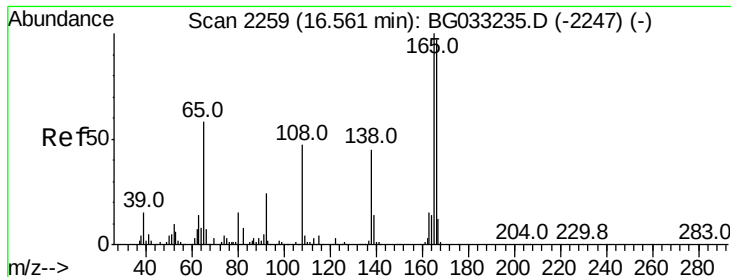
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.9  | 18.5  | 27.7  |
| 150     | 11.8  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 37.234 ng  
RT: 16.48 min Scan# 2246  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.2  | 26.2  | 39.2  |
| 141     | 61.8  | 45.8  | 68.6  |





#61

4-Nitroaniline

Concen: 41.601 ng

RT: 16.53 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

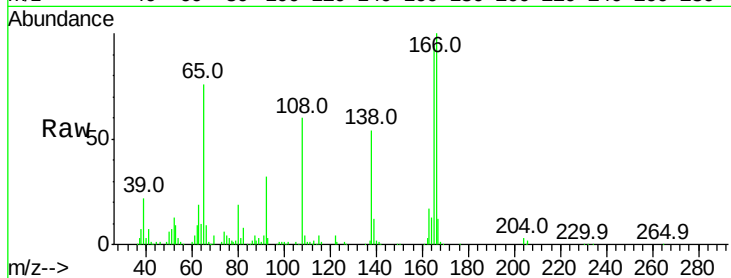
Tot Ion:138 Resp: 94880

Ion Ratio Lower Upper

138 100

92 58.5 40.1 80.1

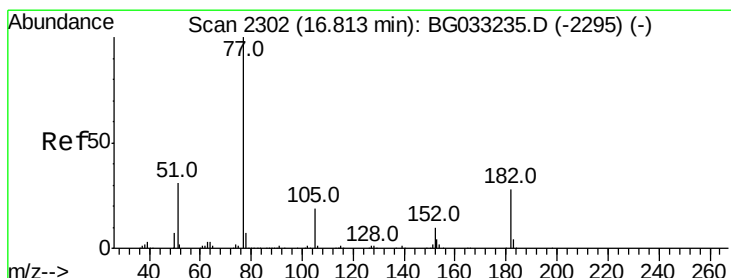
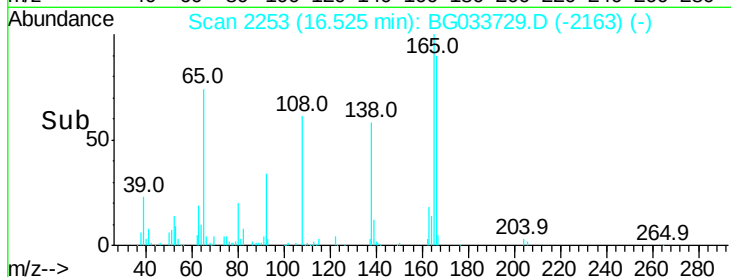
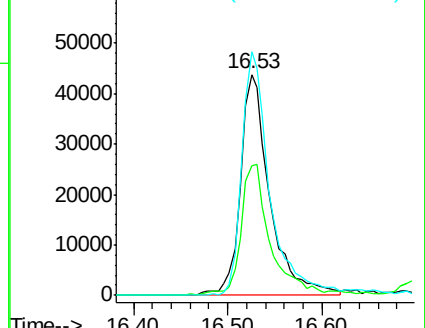
108 110.2 65.4 105.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 40.182 ng

RT: 16.78 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Tgt Ion: 77 Resp: 397093

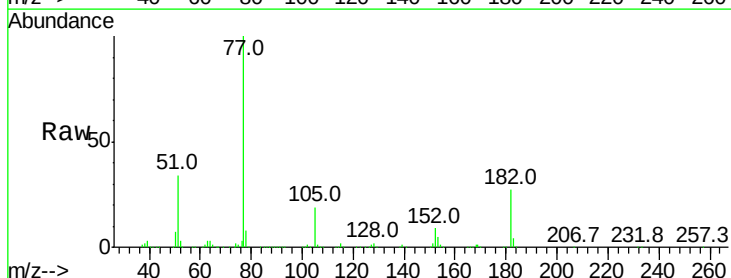
Ion Ratio Lower Upper

77 100

182 27.0 7.4 47.4

105 19.2 0.3 40.3

51 34.1 11.6 51.6

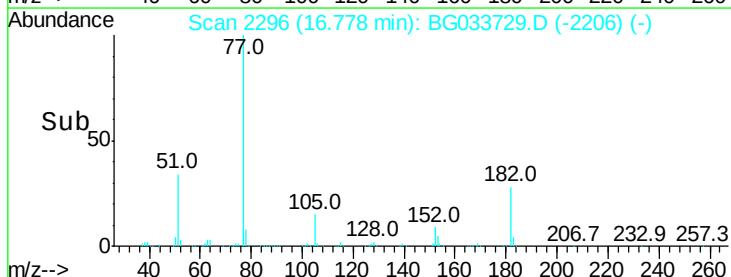
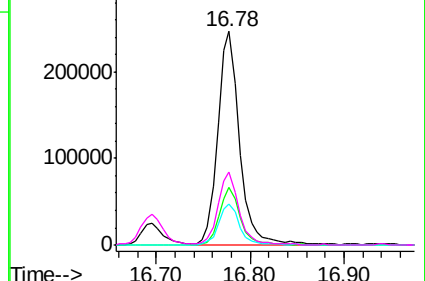


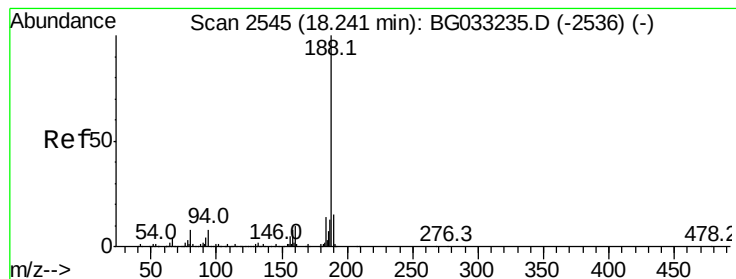
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.21 min Scan# 2539

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampled :

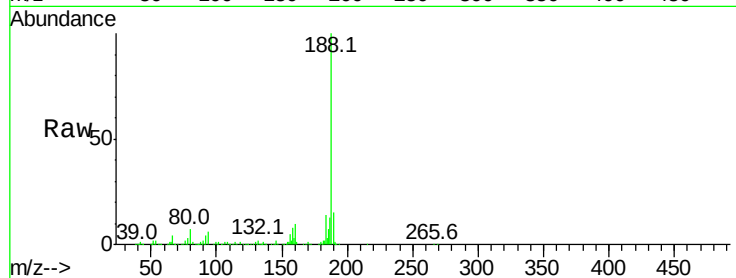
Tot Ion:188 Resp: 315832

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

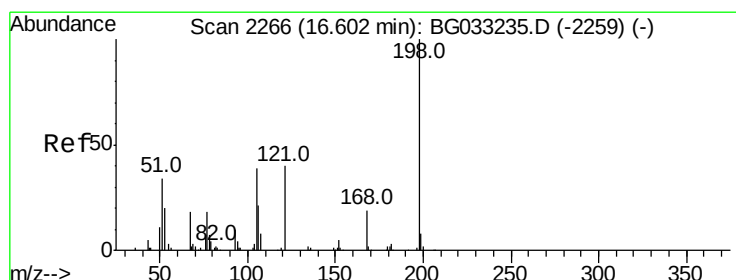
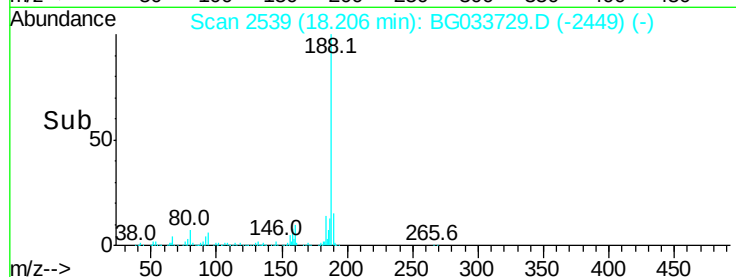
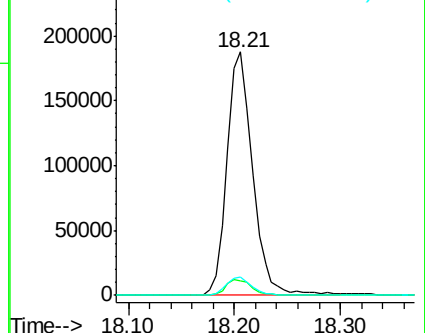
80 7.5 7.7 11.5#



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: 39.563 ng

RT: 16.57 min Scan# 2261

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

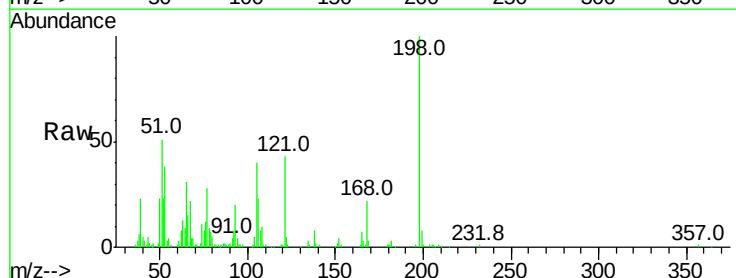
Tgt Ion:198 Resp: 74751

Ion Ratio Lower Upper

198 100

51 51.4 30.6 70.6

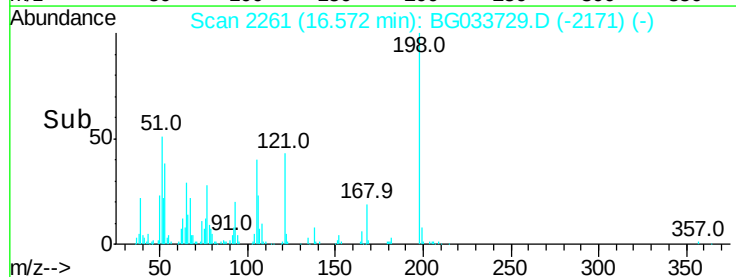
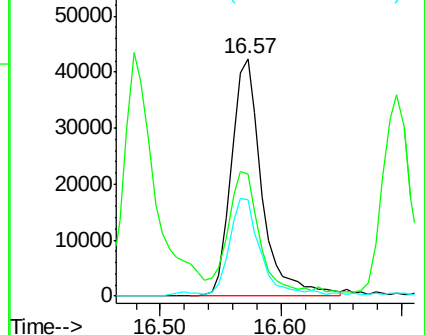
105 40.5 23.8 63.8

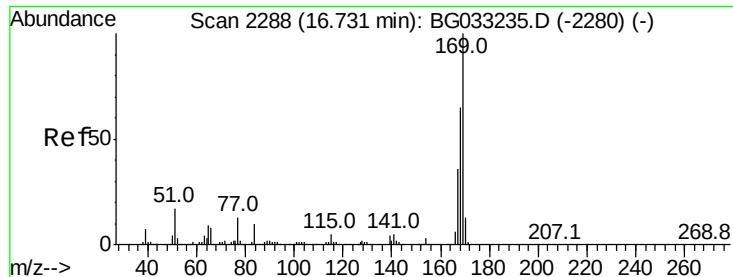


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

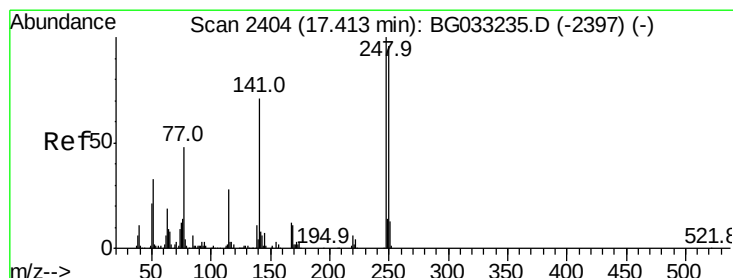
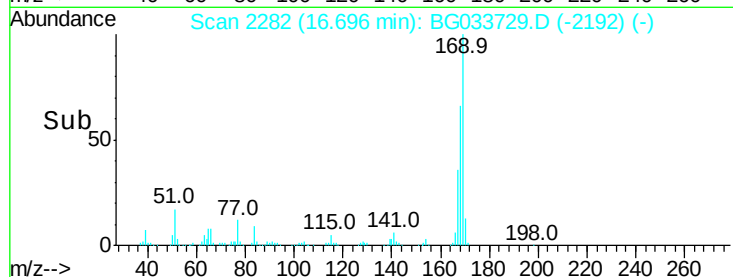
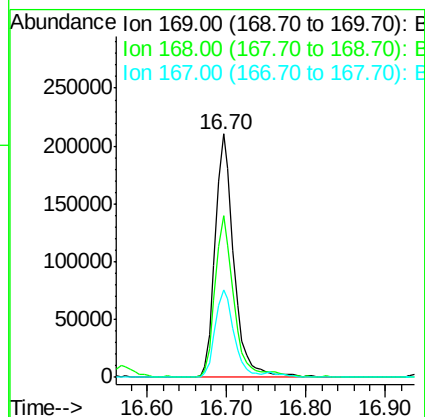
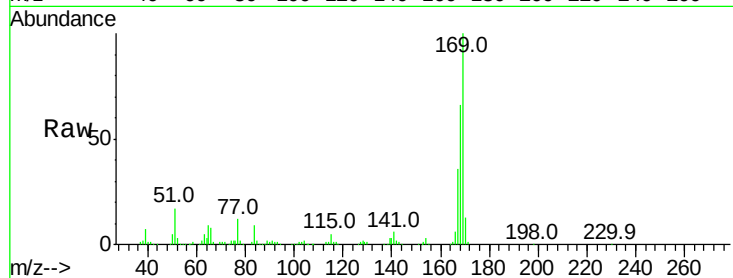




#65  
 n-Nitrosodiphenylamine  
 Concen: 38.502 ng  
 RT: 16.70 min Scan# 2282  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

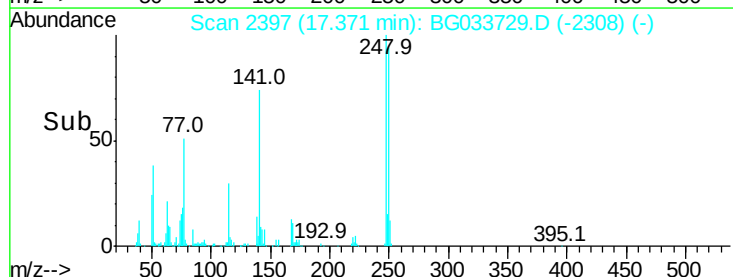
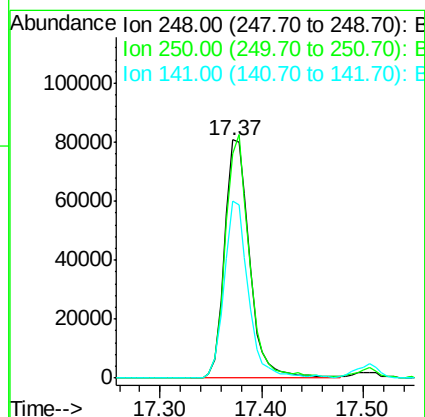
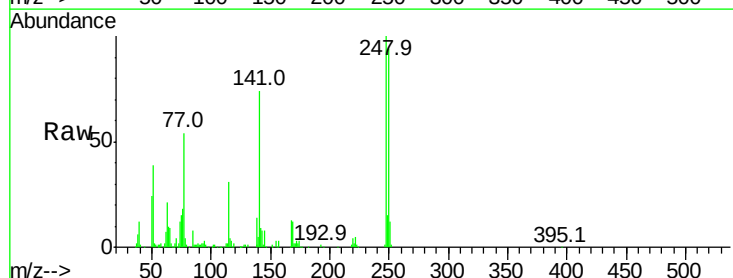
Instrument :  
 BNA\_G  
 ClientSampled :

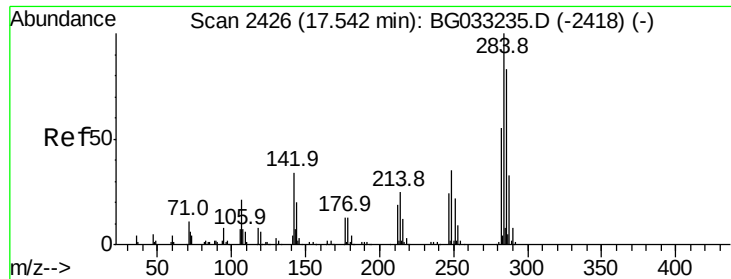
Tot Ion:169 Resp: 347153  
 Ion Ratio Lower Upper  
 169 100  
 168 66.3 55.7 83.5  
 167 35.9 30.1 45.1



#66  
 4-Bromophenyl-phenylether  
 Concen: 37.434 ng  
 RT: 17.37 min Scan# 2397  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion:248 Resp: 138850  
 Ion Ratio Lower Upper  
 248 100  
 250 94.5 77.1 115.7  
 141 74.1 50.8 76.2





#67

Hexachlorobenzene

Concen: 38.041 ng

RT: 17.51 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

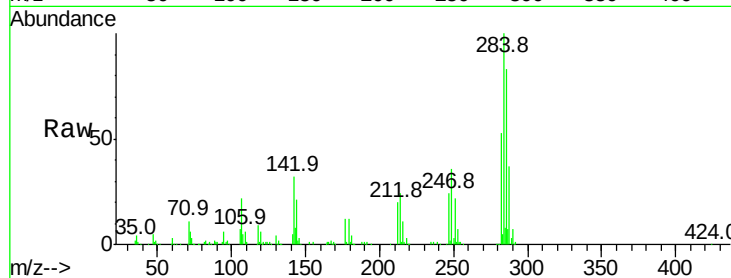
Tot Ion:284 Resp: 148911

Ion Ratio Lower Upper

284 100

142 31.6 26.8 40.2

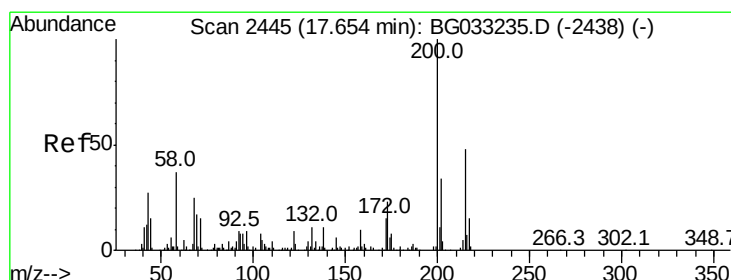
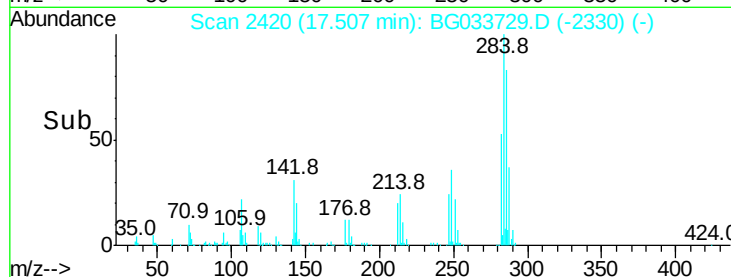
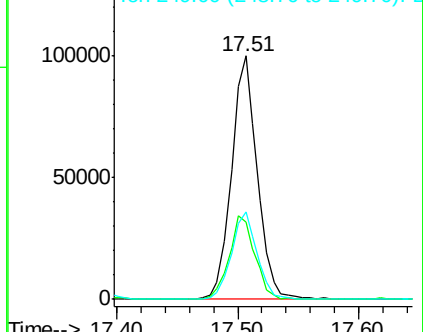
249 35.9 26.3 39.5



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: 38.858 ng

RT: 17.61 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

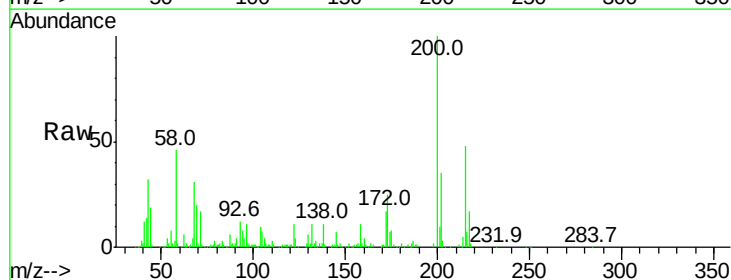
Tgt Ion:200 Resp: 141975

Ion Ratio Lower Upper

200 100

173 24.7 5.2 45.2

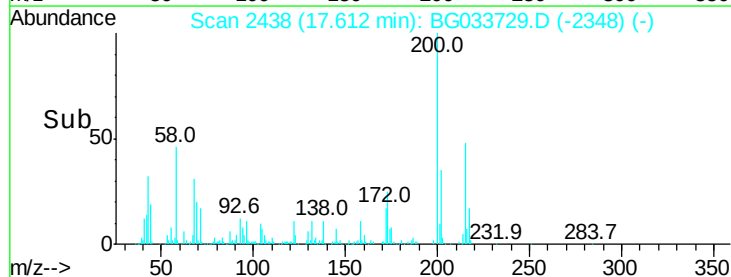
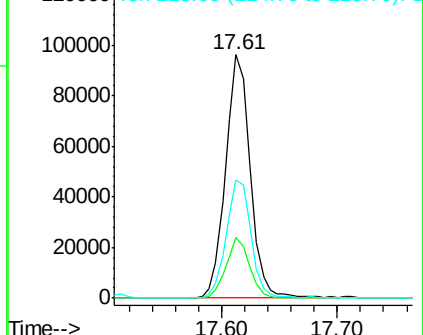
215 48.4 30.4 70.4

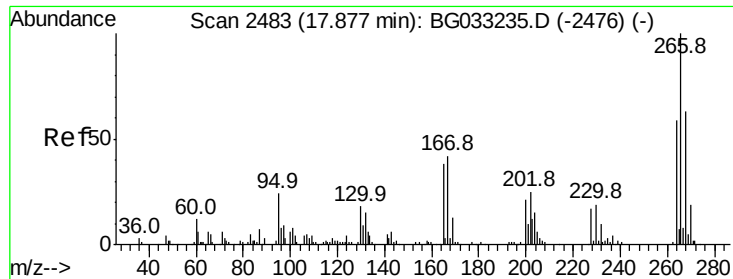


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

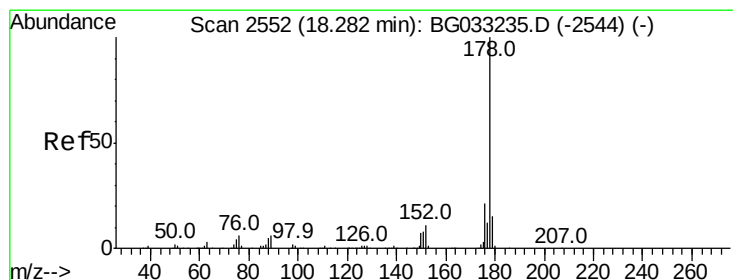
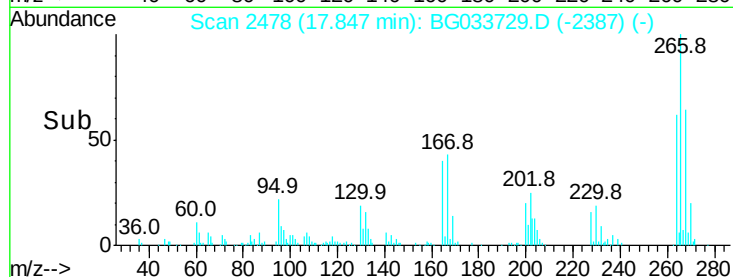
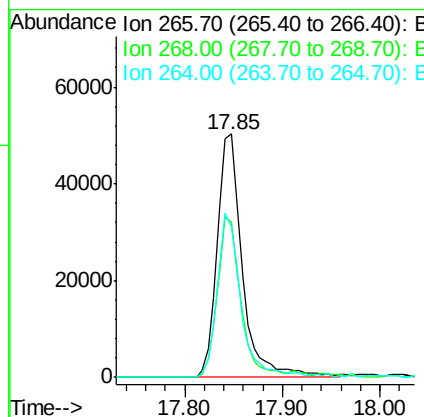
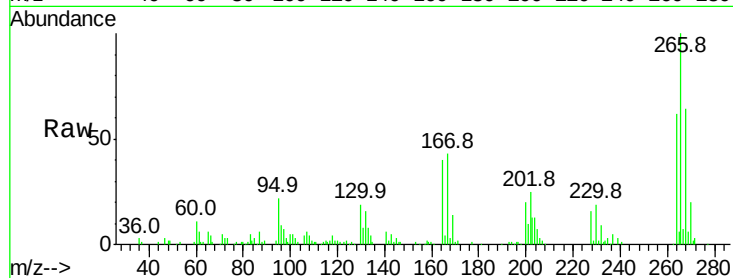




#69  
 Pentachlorophenol  
 Concen: 33.674 ng  
 RT: 17.85 min Scan# 2478  
 Delta R.T. 0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

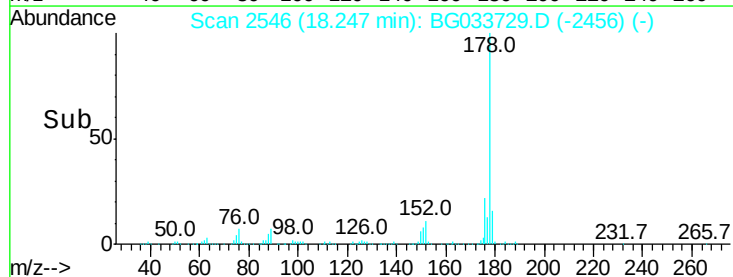
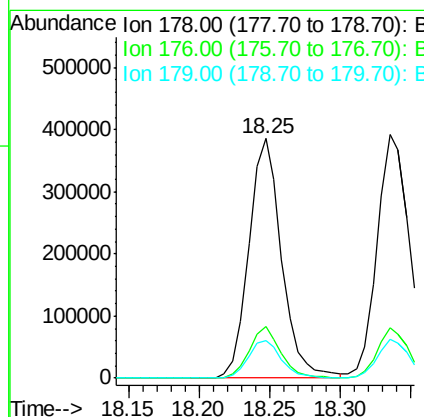
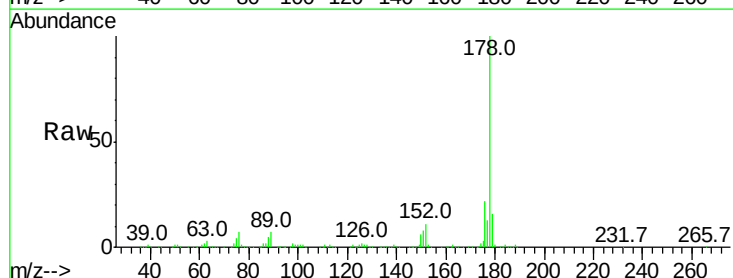
Instrument :  
 BNA\_G  
 ClientSampleId :

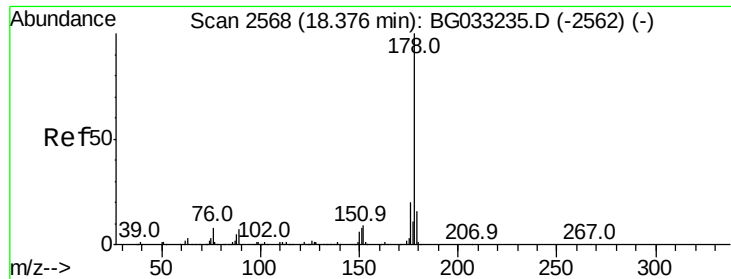
Tot Ion:266 Resp: 90473  
 Ion Ratio Lower Upper  
 266 100  
 268 69.6 51.1 76.7  
 264 61.7 49.6 74.4



#70  
 Phenanthrene  
 Concen: 38.149 ng  
 RT: 18.25 min Scan# 2546  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion:178 Resp: 627498  
 Ion Ratio Lower Upper  
 178 100  
 176 21.6 15.7 23.5  
 179 15.8 12.5 18.7

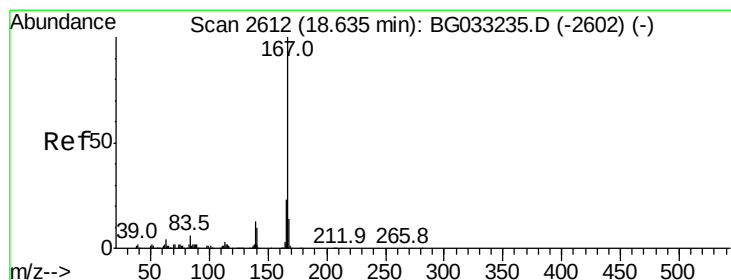
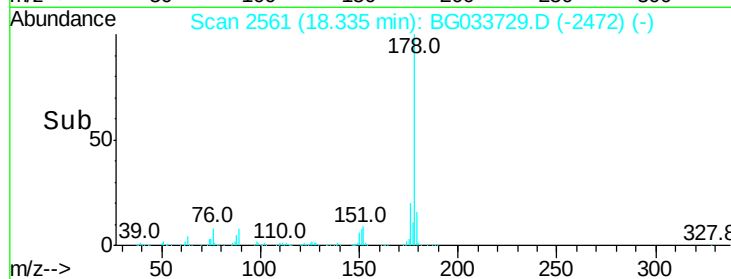
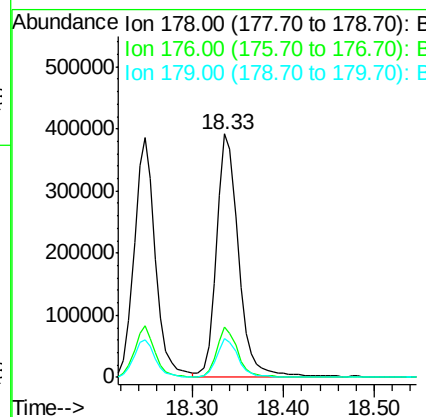
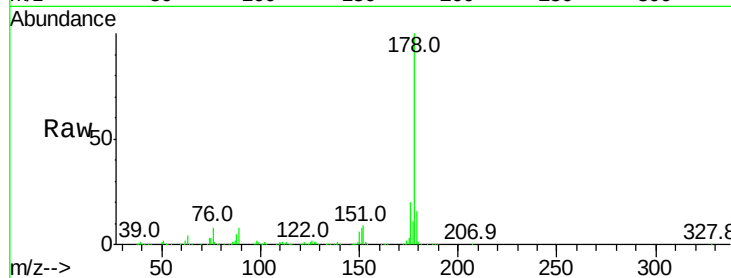




#71  
 Anthracene  
 Concen: 39.509 ng  
 RT: 18.33 min Scan# 2561  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

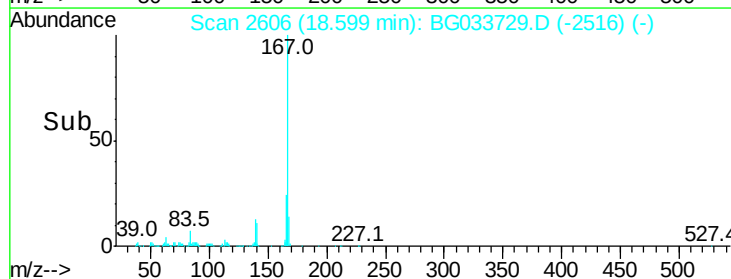
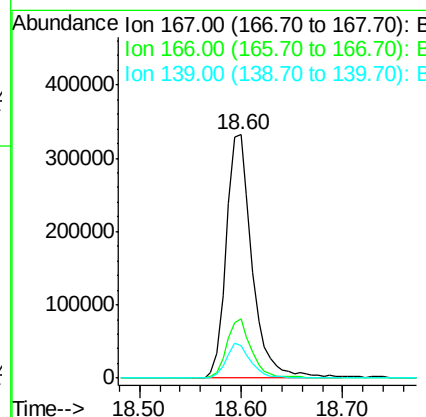
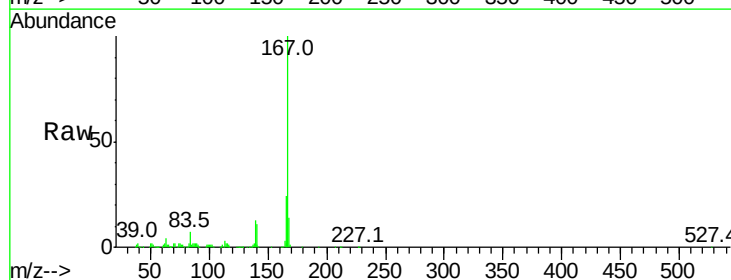
Instrument :  
 BNA\_G  
 ClientSampled :

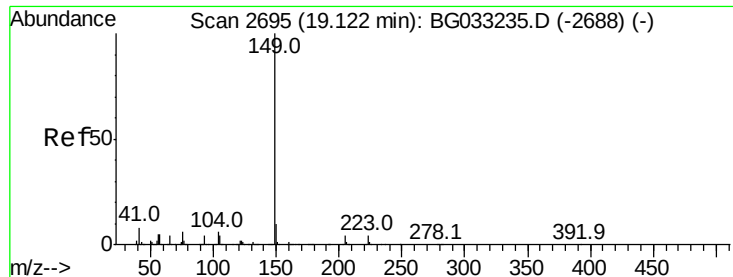
Tot Ion:178 Resp: 658008  
 Ion Ratio Lower Upper  
 178 100  
 176 20.5 16.0 24.0  
 179 15.8 12.5 18.7



#72  
 Carbazole  
 Concen: 39.856 ng  
 RT: 18.60 min Scan# 2606  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion:167 Resp: 588210  
 Ion Ratio Lower Upper  
 167 100  
 166 24.2 18.2 27.4  
 139 13.4 9.4 14.2





#73

Di-n-butylphthalate

Concen: 41.510 ng

RT: 19.09 min Scan# 2689

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

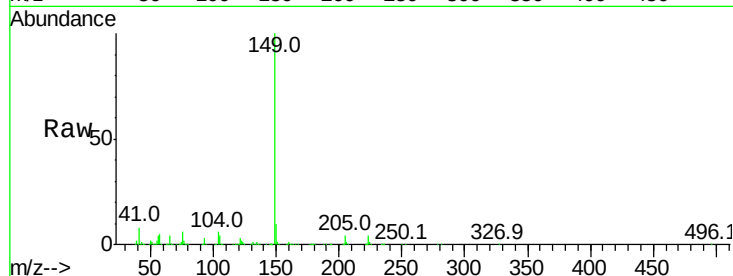
Tot Ion:149 Resp: 713059

Ion Ratio Lower Upper

149 100

150 10.2 7.8 11.6

104 6.4 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

600000

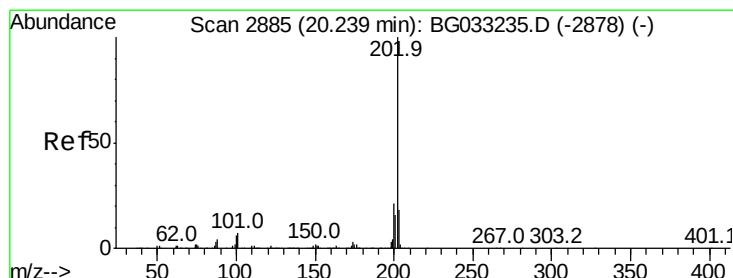
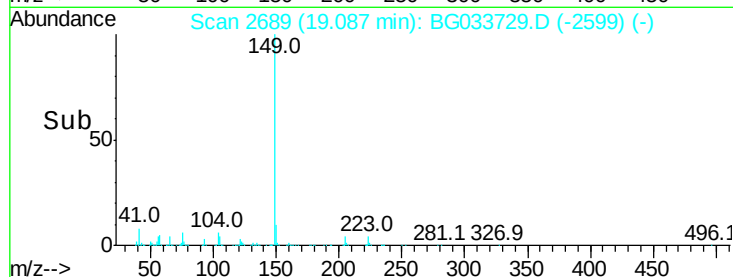
400000

200000

0

19.09

Time--> 19.00 19.10 19.20



#74

Fluoranthene

Concen: 39.308 ng

RT: 20.20 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

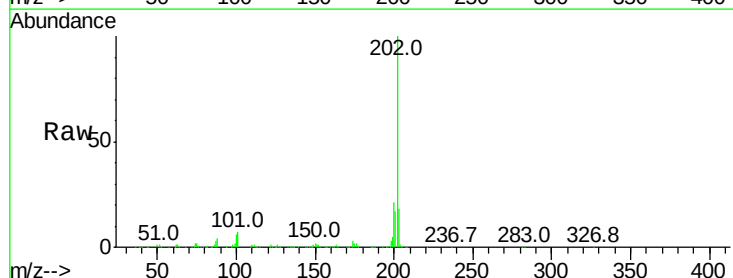
Tgt Ion:202 Resp: 800110

Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.9

203 18.1 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

600000

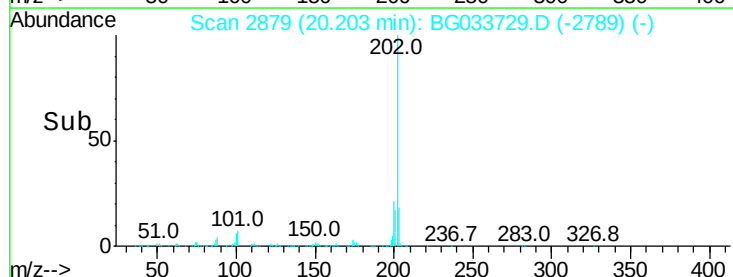
400000

200000

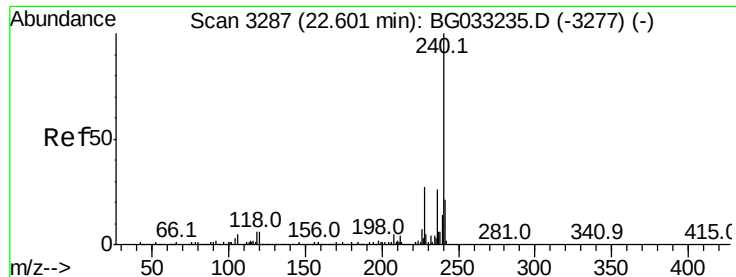
0

20.20

Time--> 20.10 20.20 20.30







#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampled :

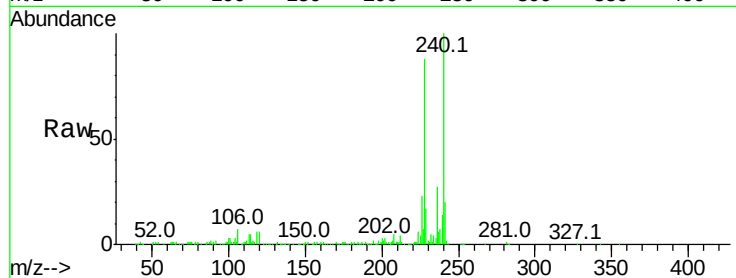
Tot Ion:240 Resp: 325350

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

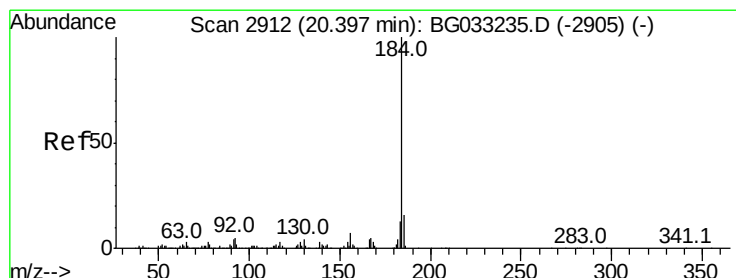
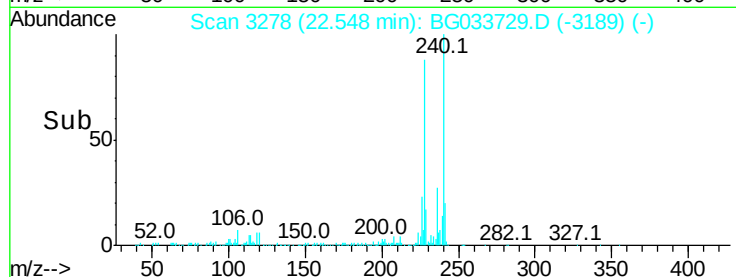
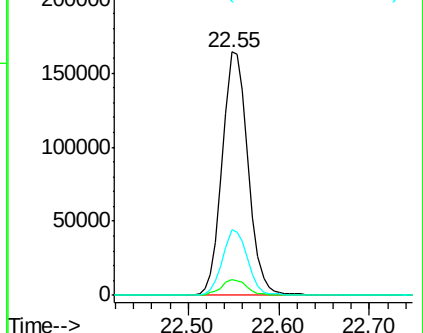
236 27.1 20.9 31.3



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: 41.840 ng

RT: 20.36 min Scan# 2906

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

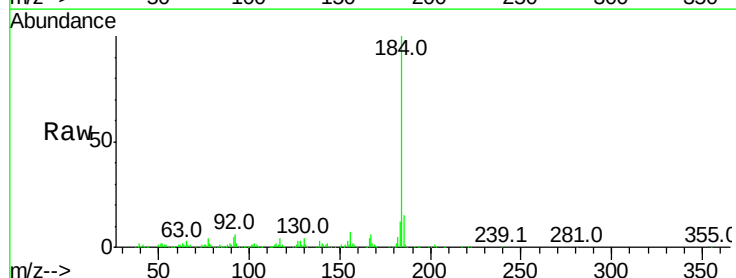
Tgt Ion:184 Resp: 369151

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

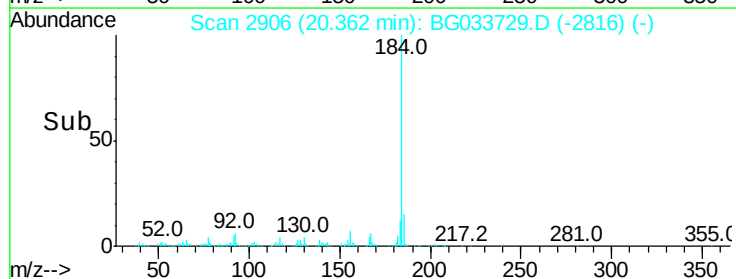
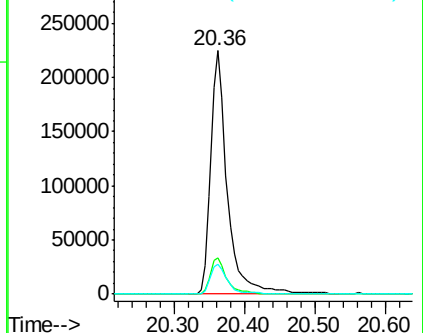
183 12.4 10.6 16.0

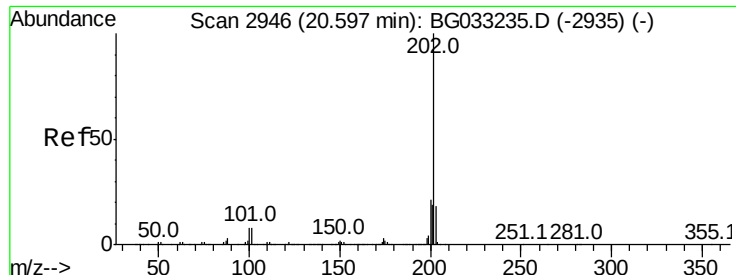


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

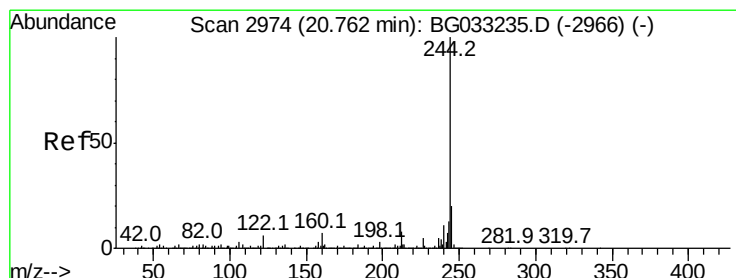
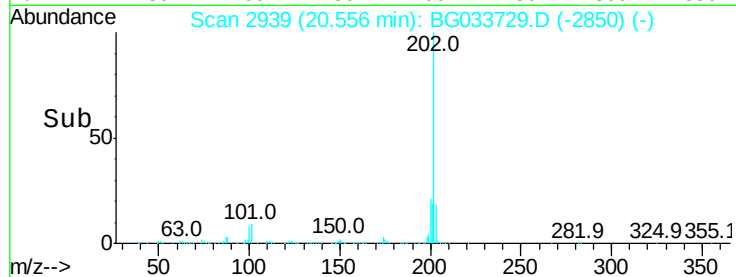
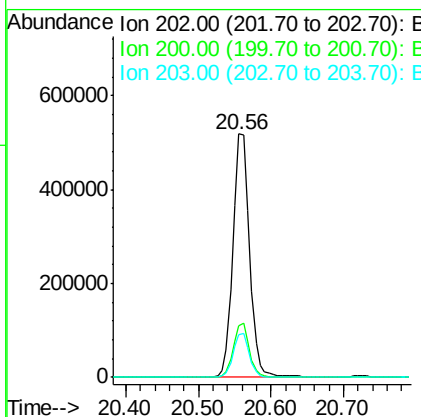
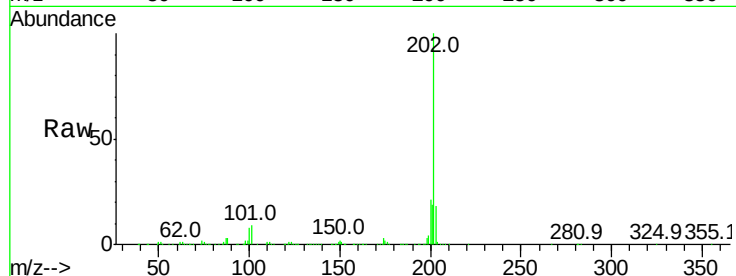




#77  
 Pvrene  
 Concen: 38.337 ng  
 RT: 20.56 min Scan# 2939  
 Delta R.T. -0.01 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

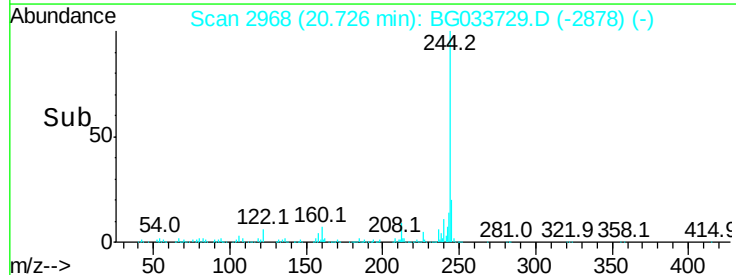
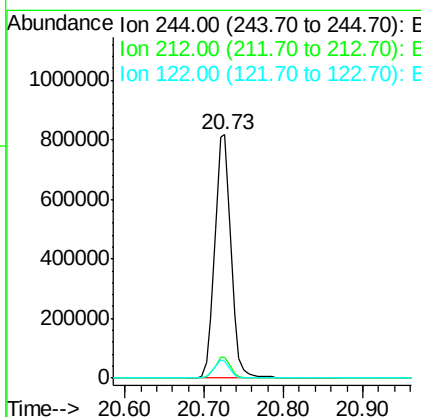
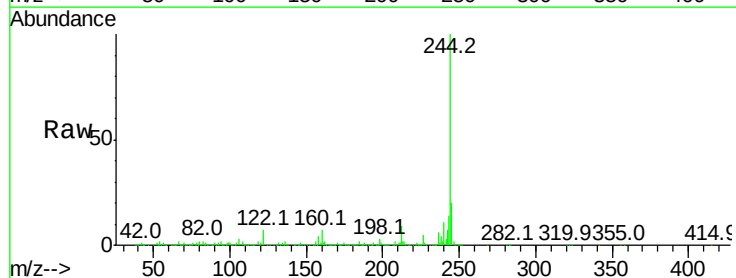
Instrument :  
 BNA\_G  
 ClientSampleId :

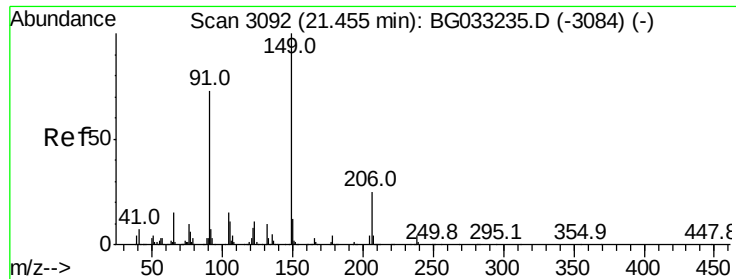
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 16.9  | 25.3  |
| 203     | 17.7  | 13.9  | 20.9  |



#78  
 Terphenyl-d14  
 Concen: 75.974 ng  
 RT: 20.73 min Scan# 2968  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.5   | 5.8   | 8.8   |
| 122     | 6.9   | 7.0   | 10.4# |

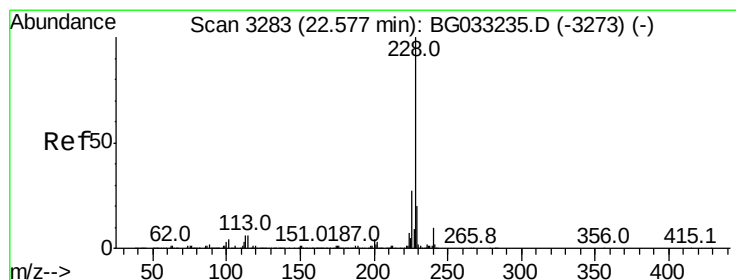
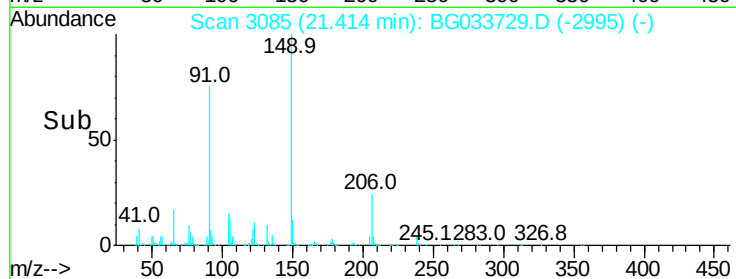
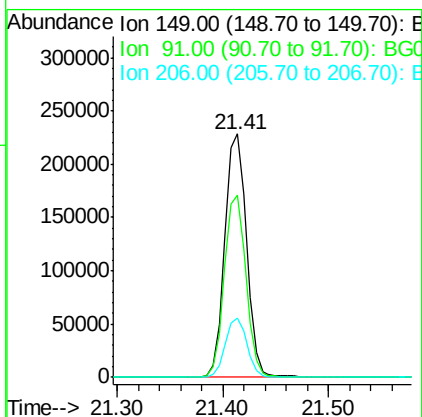
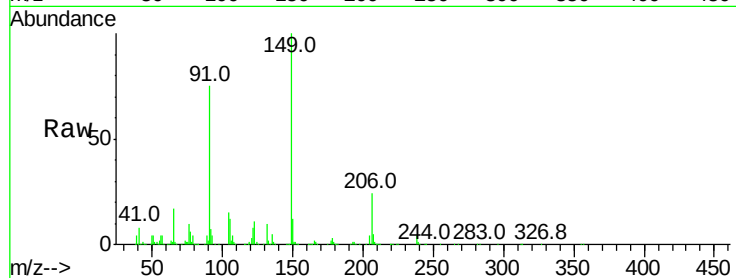




#79  
Butylbenzylphthalate  
Concen: 40.619 ng  
RT: 21.41 min Scan# 3085  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

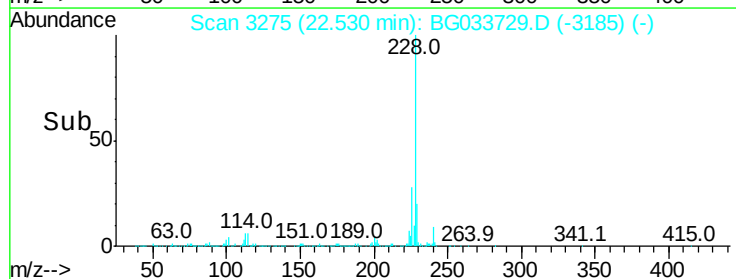
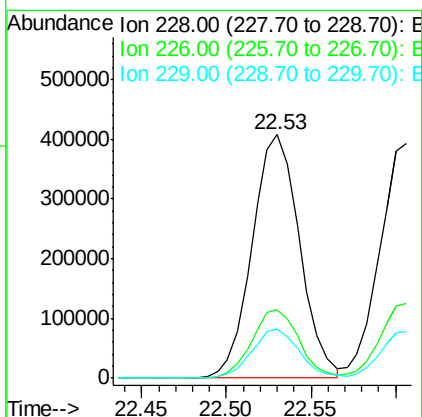
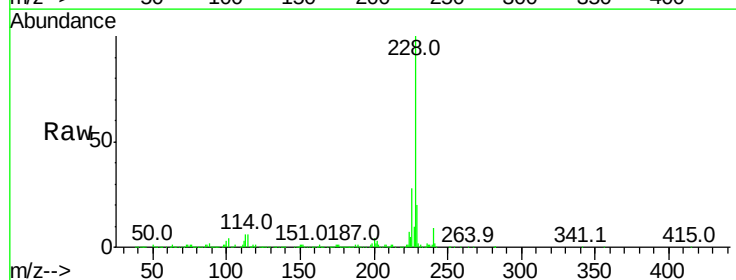
Instrument :  
BNA\_G  
ClientSampleId :

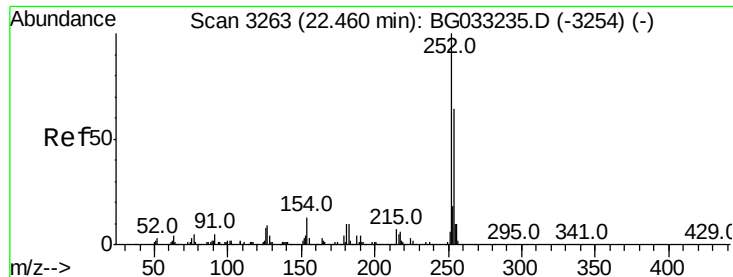
Tot Ion:149 Resp: 325250  
Ion Ratio Lower Upper  
149 100  
91 74.7 62.2 93.2  
206 24.5 18.6 27.8



#80  
Benzo(a)anthracene  
Concen: 38.423 ng  
RT: 22.53 min Scan# 3275  
Delta R.T. 0.00 min  
Lab File: BG033729.D  
Acq: 11 Apr 2018 2:10

Tgt Ion:228 Resp: 796003  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.7 34.1  
229 20.3 16.2 24.2

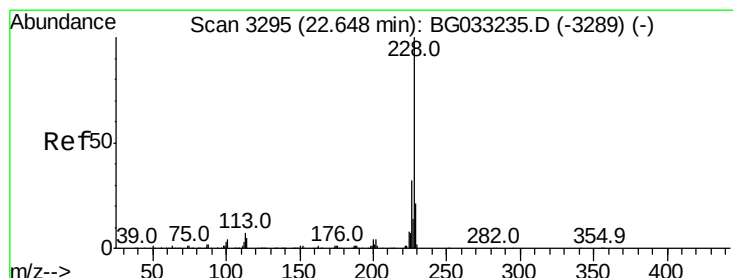
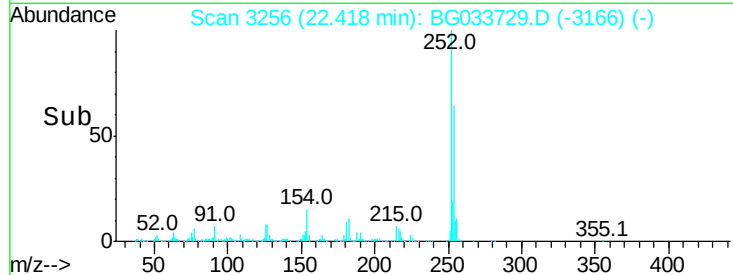
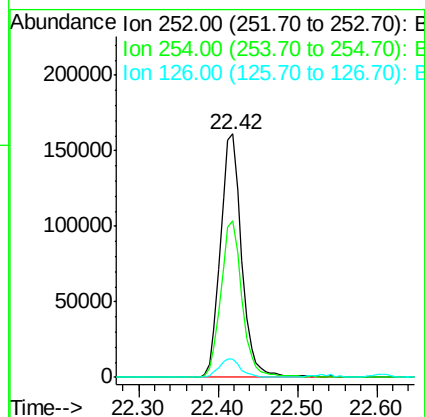
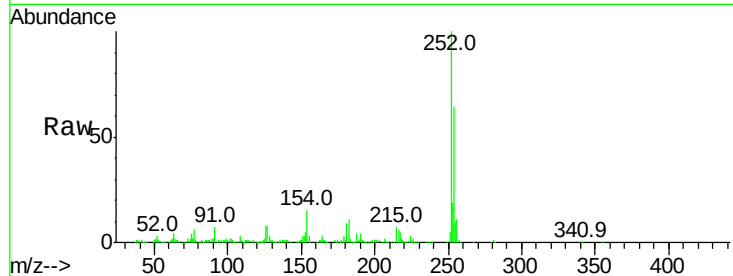




#81  
 3,3'-Dichlorobenzidine  
 Concen: 40.565 ng  
 RT: 22.42 min Scan# 3256  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

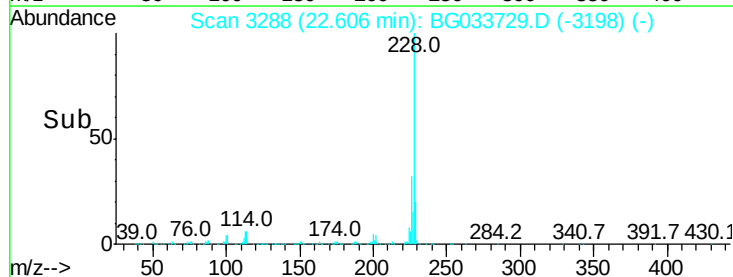
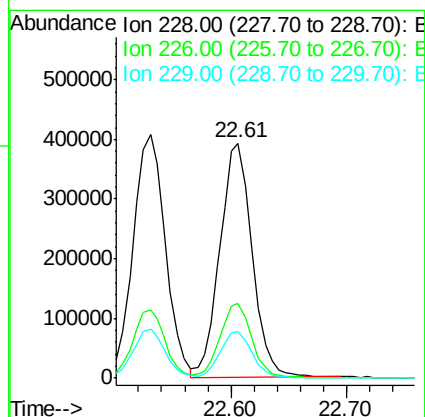
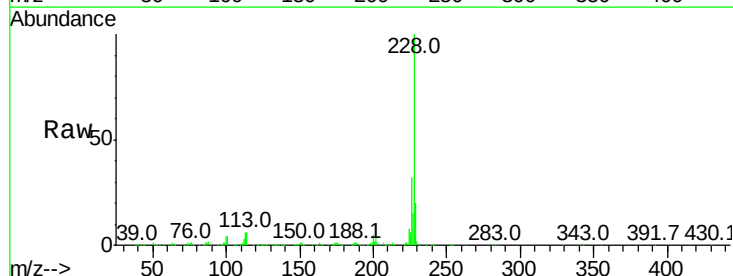
Instrument :  
 BNA\_G  
 ClientSampleId :

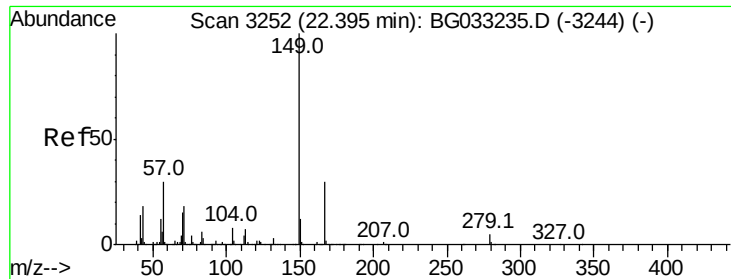
Tot Ion:252 Resp: 299050  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 50.8 76.2  
 126 7.6 7.4 11.2



#82  
 Chrysene  
 Concen: 37.847 ng  
 RT: 22.61 min Scan# 3288  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Tgt Ion:228 Resp: 758986  
 Ion Ratio Lower Upper  
 228 100  
 226 31.8 24.9 37.3  
 229 19.9 15.0 22.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.855 ng

RT: 22.35 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

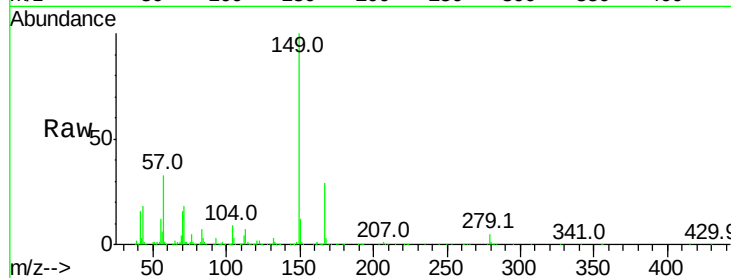
Tot Ion:149 Resp: 462001

Ion Ratio Lower Upper

149 100

167 29.2 24.3 36.5

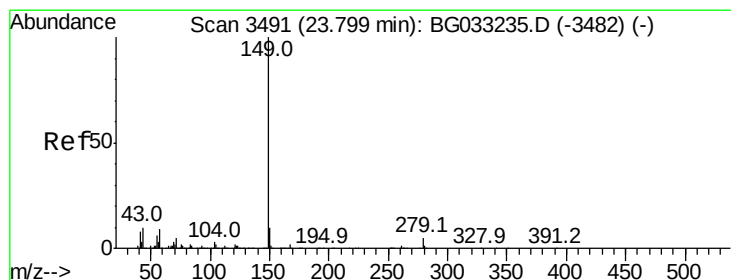
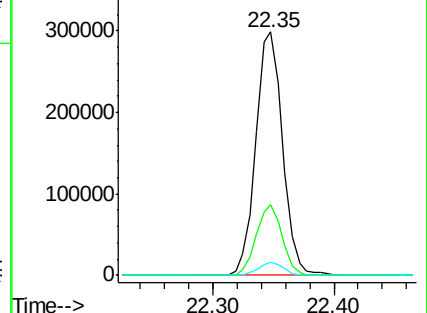
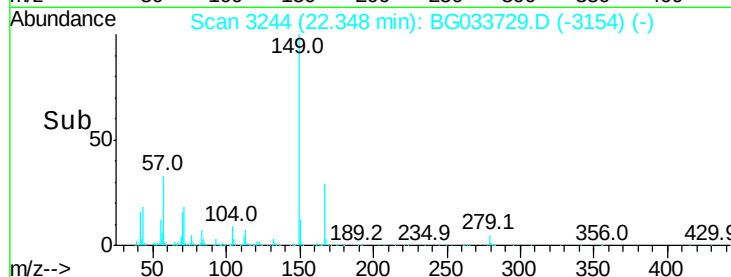
279 5.5 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.821 ng

RT: 23.73 min Scan# 3480

Delta R.T. -0.01 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

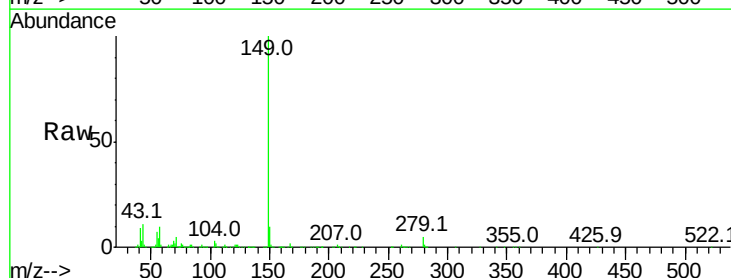
Tgt Ion:149 Resp: 740611

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

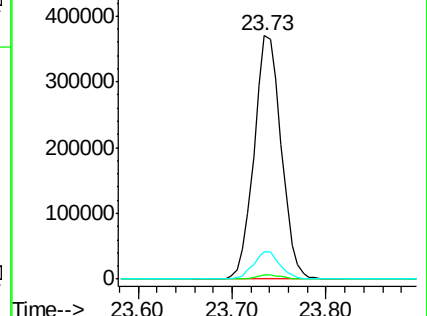
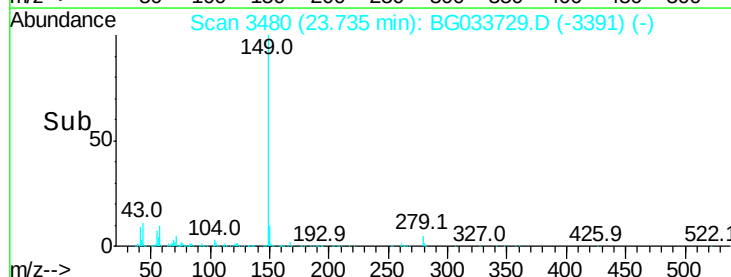
43 11.1 8.9 13.3

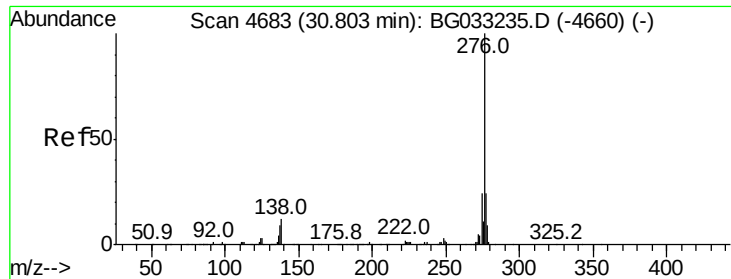


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

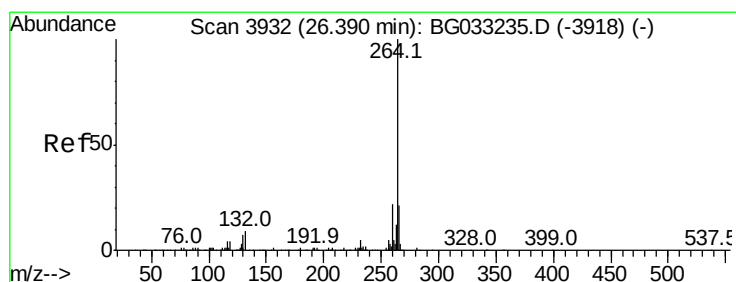
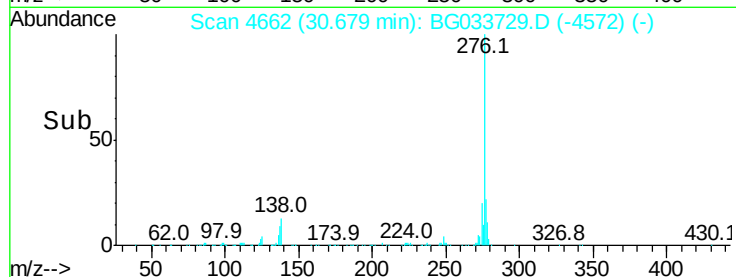
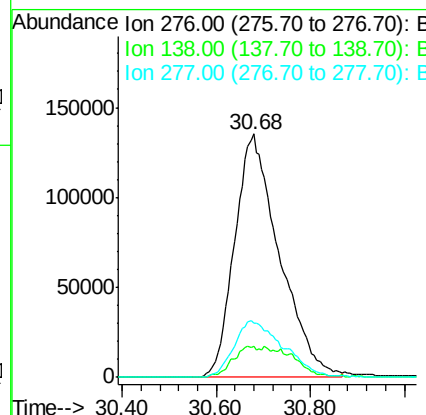
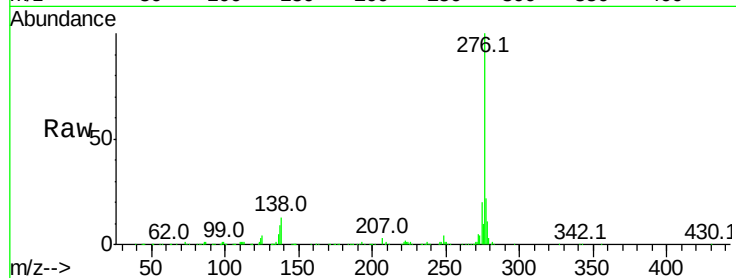




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.076 ng  
 RT: 30.68 min Scan# 4662  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

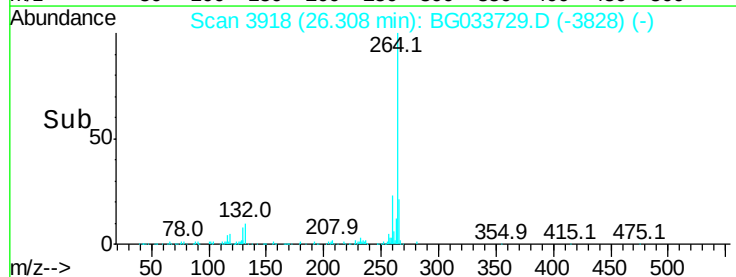
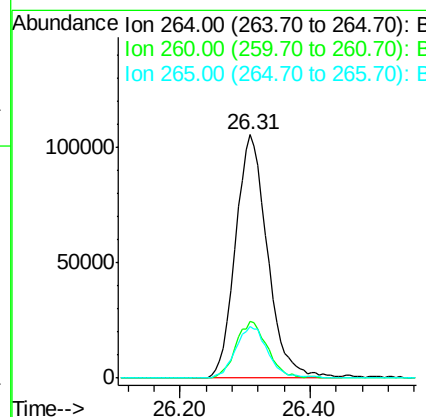
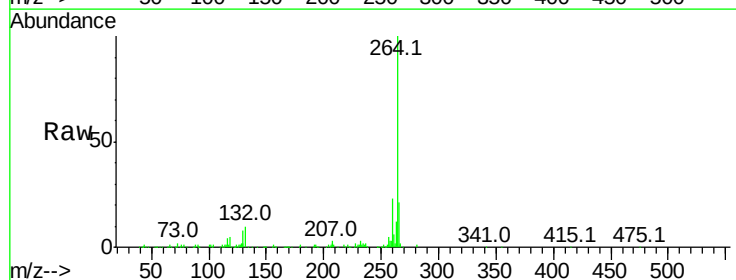
Instrument :  
 BNA\_G  
 ClientSampleId :

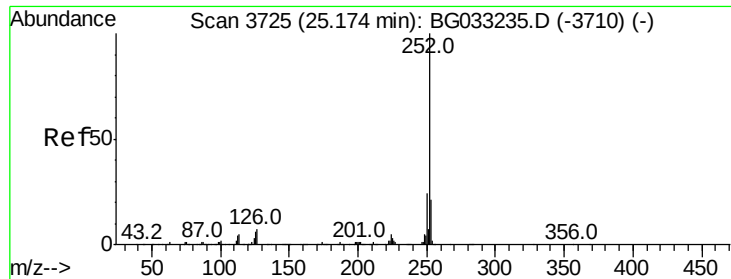
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.9   | 16.0  | 24.0# |
| 277     | 25.7  | 20.0  | 30.0  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.31 min Scan# 3918  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 17.4  | 26.0  |
| 265     | 21.1  | 17.7  | 26.5  |





#87

Benzo(b)fluoranthene

Concen: 37.337 ng

RT: 25.10 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

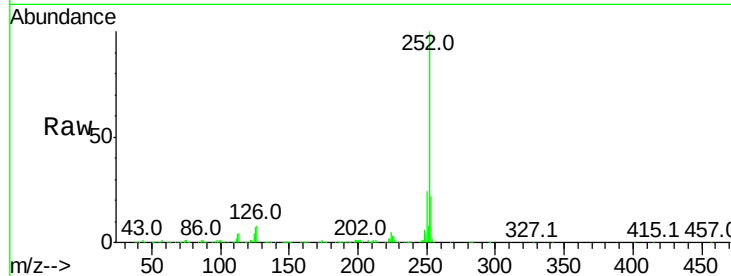
Tot Ion:252 Resp: 773085

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.4

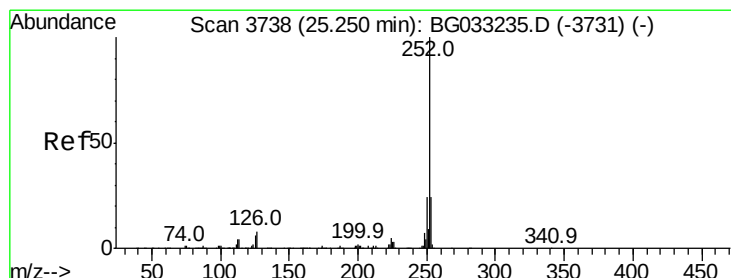
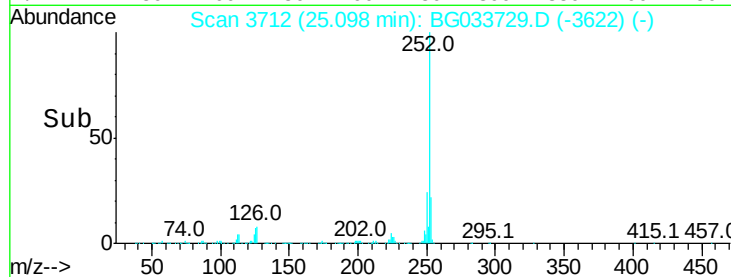
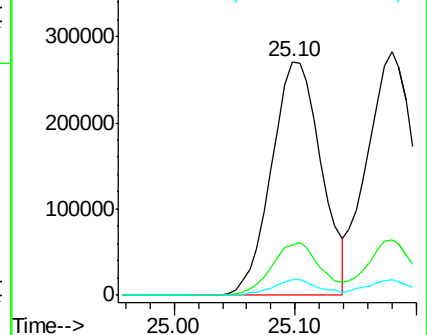
125 6.7 7.2 10.8#



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: 36.917 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.08 min

Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

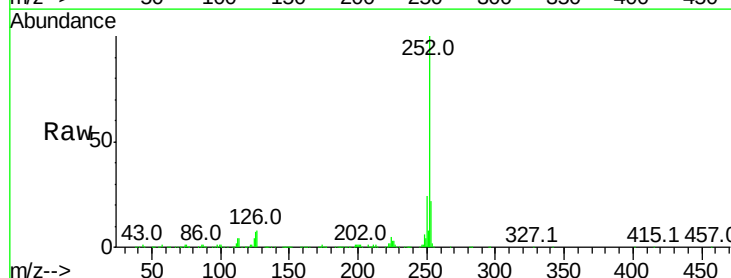
Tgt Ion:252 Resp: 773085

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

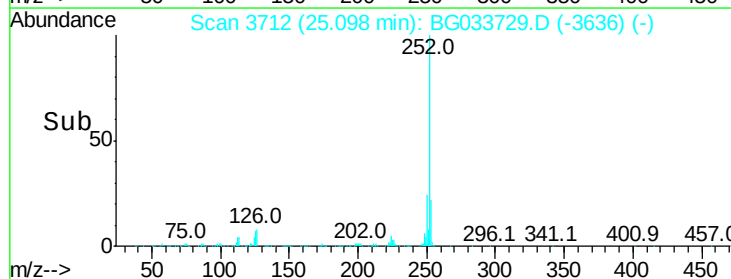
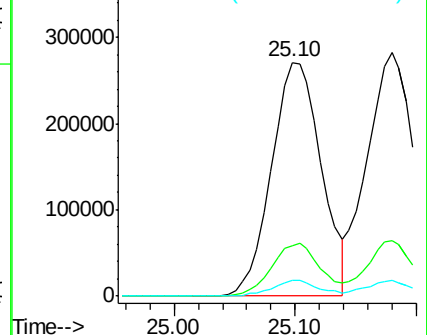
125 6.7 6.6 9.8

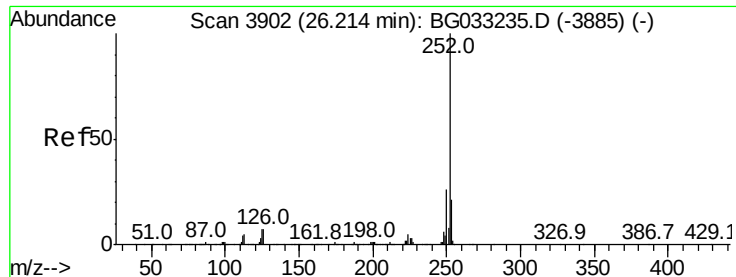


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 37.940 ng

RT: 26.13 min Scan# 3888

Delta R.T. 0.00 min

Lab File: BG033729.D

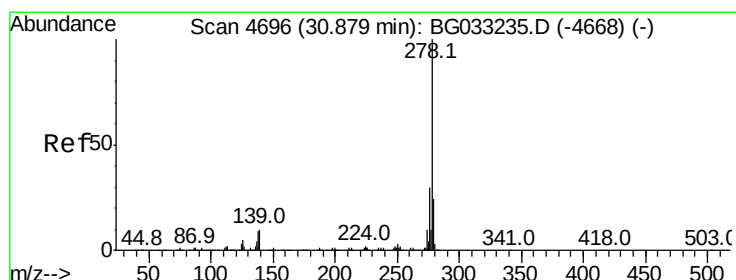
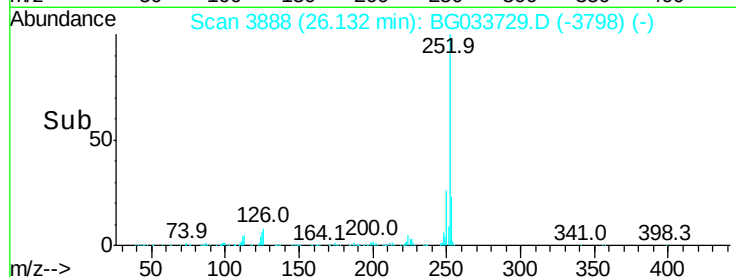
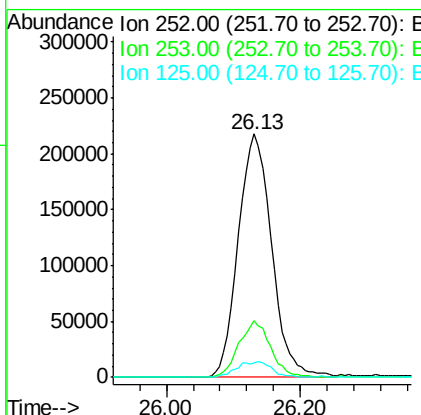
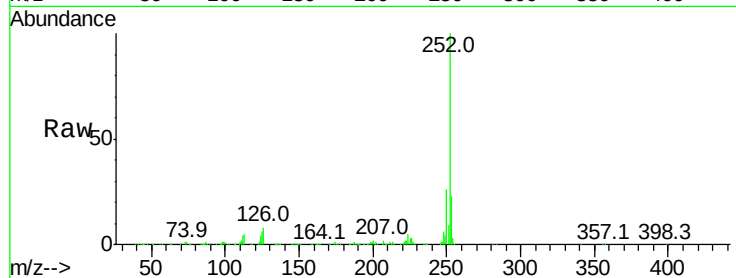
Acq: 11 Apr 2018 2:10

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 252   | Resp: | 754407 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.2  | 18.3  | 27.5   |
| 125      | 5.7   | 7.3   | 10.9#  |



#90

Dibenzo(a,h)anthracene

Concen: 39.675 ng

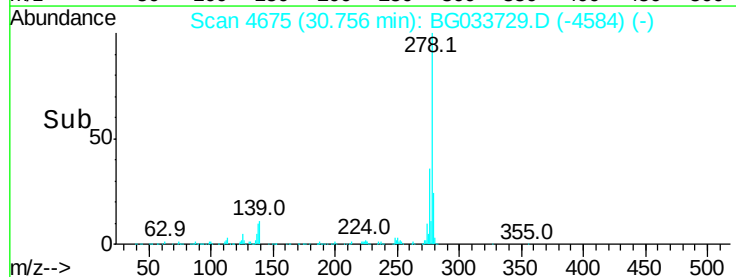
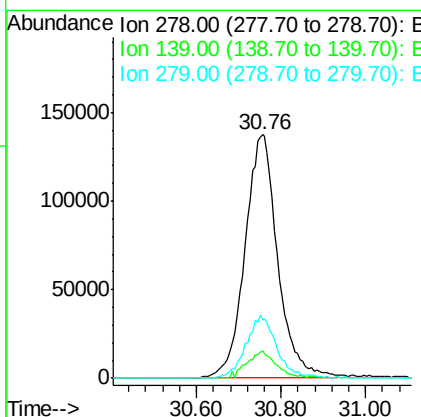
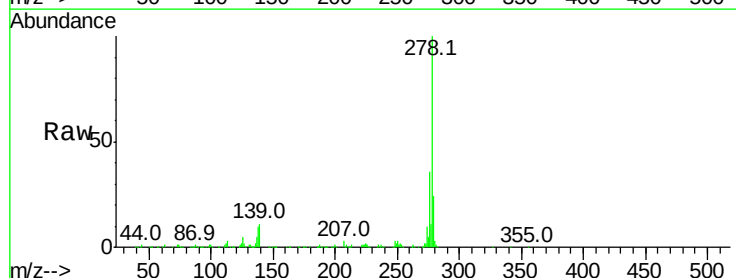
RT: 30.76 min Scan# 4675

Delta R.T. 0.01 min

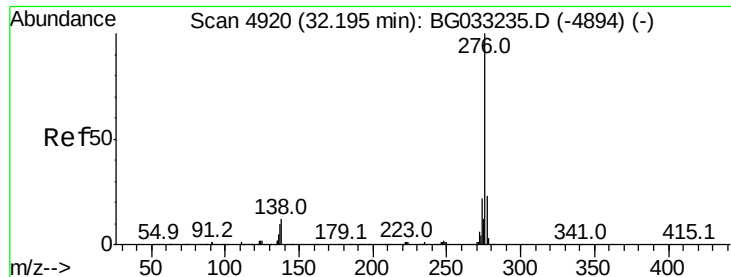
Lab File: BG033729.D

Acq: 11 Apr 2018 2:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 278   | Resp: | 743122 |
| Ion      | Ratio | Lower | Upper  |
| 278      | 100   |       |        |
| 139      | 11.2  | 9.8   | 14.6   |
| 279      | 23.8  | 18.4  | 27.6   |







#91  
 Benzo(a,h,i)perylene  
 Concen: 38.707 ng  
 RT: 32.05 min Scan# 4896  
 Delta R.T. 0.00 min  
 Lab File: BG033729.D  
 Acq: 11 Apr 2018 2:10

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.0  | 18.3  | 27.5  |
| 138     | 13.3  | 13.9  | 20.9  |

