

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\  
 Data File : BG032889.D  
 Acq On : 28 Feb 2018 16:03  
 Operator : SJ/JU  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 01 01:24:30 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 26 17:50:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.92  | 152  | 67074    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.81 | 136  | 315721   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.54 | 164  | 177788   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.26 | 188  | 380699   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.62 | 240  | 346948   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 26.43 | 264  | 373954   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 6.33  | 112 | 333041  | 79.44 | ng | 0.00 |
| 7) Phenol-d6             | 8.01  | 99  | 457058  | 78.21 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.12 | 82  | 406942  | 88.93 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.00 | 330 | 152917  | 81.80 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.17 | 172 | 922354  | 74.82 | ng | 0.00 |
| 78) Terphenyl-d14        | 20.78 | 244 | 1124639 | 72.83 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.97  | 88  | 71417  | 39.250 | ng | 88     |
| 3) Pyridine                    | 4.43  | 79  | 206609 | 41.198 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 4.33  | 42  | 80552  | 40.063 | ng | # 89   |
| 6) Aniline                     | 8.21  | 93  | 297772 | 37.644 | ng | 96     |
| 8) 2-Chlorophenol              | 8.46  | 128 | 181557 | 39.564 | ng | 93     |
| 9) Benzaldehyde                | 8.02  | 77  | 113567 | 33.719 | ng | 93     |
| 10) Phenol                     | 8.04  | 94  | 232004 | 39.384 | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 8.30  | 93  | 183853 | 38.168 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 8.80  | 146 | 202622 | 37.698 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.96  | 146 | 203689 | 37.649 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 9.29  | 146 | 195938 | 37.793 | ng | 98     |
| 15) Benzyl Alcohol             | 9.15  | 79  | 164321 | 38.249 | ng | 89     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.44  | 45  | 309081 | 37.325 | ng | 99     |
| 17) 2-Methylphenol             | 9.34  | 107 | 165619 | 38.127 | ng | 95     |
| 18) Hexachloroethane           | 10.05 | 117 | 72947  | 39.600 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 9.73  | 70  | 156563 | 37.950 | ng | # 96   |
| 20) 3+4-Methylphenols          | 9.68  | 107 | 238788 | 39.535 | ng | 94     |
| 22) Acetophenone               | 9.76  | 105 | 297560 | 37.319 | ng | # 95   |
| 24) Nitrobenzene               | 10.16 | 77  | 210801 | 42.683 | ng | 90     |
| 25) Isophorone                 | 10.69 | 82  | 408319 | 36.847 | ng | # 92   |
| 26) 2-Nitrophenol              | 10.89 | 139 | 101966 | 54.631 | ng | 91     |
| 27) 2,4-Dimethylphenol         | 10.92 | 122 | 184376 | 38.300 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 11.17 | 93  | 240267 | 37.218 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 11.43 | 162 | 172347 | 39.446 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 11.66 | 180 | 189878 | 37.074 | ng | 99     |
| 31) Naphthalene                | 11.86 | 128 | 611899 | 37.090 | ng | 99     |
| 32) Benzoic acid               | 11.02 | 122 | 140028 | 47.097 | ng | 85     |
| 33) 4-Chloroaniline            | 11.95 | 127 | 275552 | 37.355 | ng | 94     |
| 34) Hexachlorobutadiene        | 12.12 | 225 | 105482 | 36.718 | ng | 97     |
| 35) Caprolactam                | 12.69 | 113 | 70731  | 40.430 | ng | # 81   |
| 36) 4-Chloro-3-methylphenol    | 13.00 | 107 | 202698 | 39.867 | ng | 89     |
| 37) 2-Methylnaphthalene        | 13.40 | 142 | 445985 | 37.366 | ng | 90     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.76 | 216 | 198361 | 37.585 | ng | # 97   |
| 40) Hexachlorocyclopentadiene  | 13.73 | 237 | 109317 | 40.643 | ng | 90     |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\  
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 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

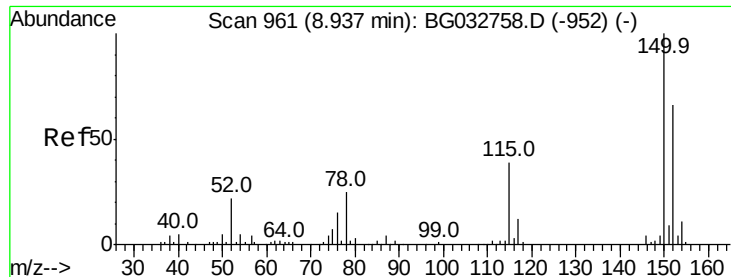
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 01 01:24:30 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 26 17:50:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.98 | 196  | 133863   | 40.220 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 14.05 | 196  | 156275   | 40.569 | ng    | # 95     |
| 45) 1,1'-Biphenyl              | 14.38 | 154  | 581494   | 37.429 | ng    | 95       |
| 46) 2-Chloronaphthalene        | 14.43 | 162  | 435266   | 37.506 | ng    | 98       |
| 47) 2-Nitroaniline             | 14.61 | 65   | 138936   | 47.579 | ng    | # 87     |
| 48) Acenaphthylene             | 15.27 | 152  | 710422   | 37.390 | ng    | 98       |
| 49) Dimethylphthalate          | 14.96 | 163  | 554187   | 36.711 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 15.09 | 165  | 117537   | 47.219 | ng    | # 87     |
| 51) Acenaphthene               | 15.60 | 154  | 448155   | 37.873 | ng    | 99       |
| 52) 3-Nitroaniline             | 15.42 | 138  | 139808   | 45.665 | ng    | # 83     |
| 53) 2,4-Dinitrophenol          | 15.61 | 184  | 37874    | 54.951 | ng    | # 1      |
| 54) Dibenzofuran               | 15.92 | 168  | 620497   | 36.827 | ng    | 96       |
| 55) 4-Nitrophenol              | 15.68 | 139  | 94994    | 42.107 | ng    | # 76     |
| 56) 2,4-Dinitrotoluene         | 15.86 | 165  | 159903   | 53.277 | ng    | # 87     |
| 57) Fluorene                   | 16.57 | 166  | 510113   | 36.681 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.05 | 232  | 124346   | 41.577 | ng    | 95       |
| 59) Diethylphthalate           | 16.30 | 149  | 583345   | 36.637 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.55 | 204  | 253322   | 37.237 | ng    | 94       |
| 61) 4-Nitroaniline             | 16.57 | 138  | 136658   | 42.499 | ng    | # 80     |
| 62) Azobenzene                 | 16.83 | 77   | 522451   | 36.678 | ng    | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 16.62 | 198  | 75668    | 61.345 | ng    | 98       |
| 65) n-Nitrosodiphenylamine     | 16.75 | 169  | 469585   | 37.917 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.43 | 248  | 150521   | 37.392 | ng    | # 87     |
| 67) Hexachlorobenzene          | 17.56 | 284  | 159745   | 36.722 | ng    | # 92     |
| 68) Atrazine                   | 17.67 | 200  | 148840   | 36.511 | ng    | 96       |
| 69) Pentachlorophenol          | 17.90 | 266  | 109604   | 40.000 | ng    | 99       |
| 70) Phenanthrene               | 18.30 | 178  | 790100   | 37.200 | ng    | 98       |
| 71) Anthracene                 | 18.40 | 178  | 792563   | 37.169 | ng    | 99       |
| 72) Carbazole                  | 18.65 | 167  | 770187   | 36.645 | ng    | 97       |
| 73) Di-n-butylphthalate        | 19.15 | 149  | 981959   | 38.084 | ng    | 99       |
| 74) Fluoranthene               | 20.25 | 202  | 868564   | 37.021 | ng    | 93       |
| 76) Benzidine                  | 20.41 | 184  | 308966   | 26.125 | ng    | # 96     |
| 77) Pyrene                     | 20.61 | 202  | 896809   | 36.654 | ng    | 97       |
| 79) Butylbenzylphthalate       | 21.48 | 149  | 448902   | 41.382 | ng    | 91       |
| 80) Benzo(a)anthracene         | 22.60 | 228  | 828212   | 37.226 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 22.48 | 252  | 310911   | 37.732 | ng    | # 98     |
| 82) Chrysene                   | 22.67 | 228  | 794936   | 37.404 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 22.43 | 149  | 649227   | 40.432 | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 23.85 | 149  | 1034122  | 42.252 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.86 | 276  | 901903   | 36.389 | ng    | 96       |
| 87) Benzo(b)fluoranthene       | 25.21 | 252  | 830628   | 37.567 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 25.29 | 252  | 809182   | 36.824 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 26.25 | 252  | 783430   | 37.252 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 30.94 | 278  | 732784   | 34.617 | ng    | # 93     |
| 91) Benzo(g,h,i)perylene       | 32.25 | 276  | 757746   | 36.313 | ng    | # 89     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.92 min Scan# 959

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

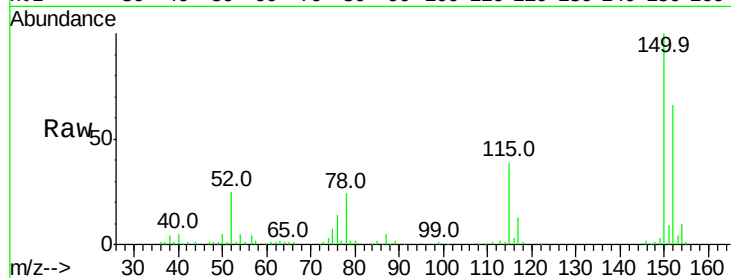
Tot Ion:152 Resp: 67074

Ion Ratio Lower Upper

152 100

150 151.3 126.6 189.8

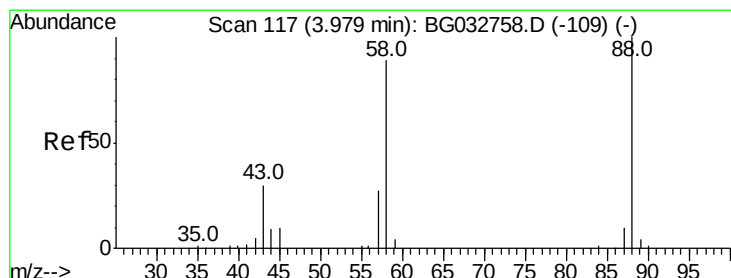
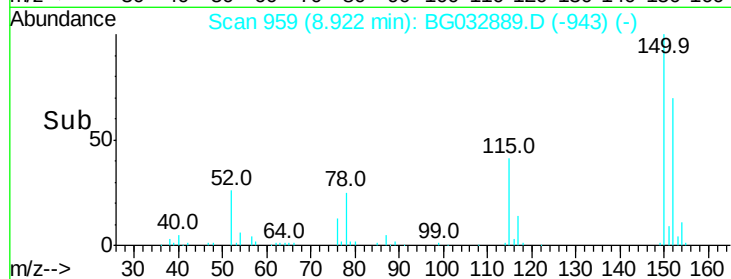
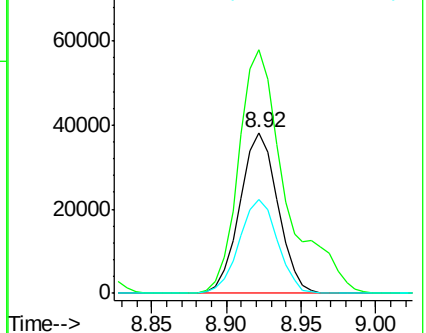
115 58.5 53.0 79.4



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: 39.250 ng

RT: 3.97 min Scan# 116

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

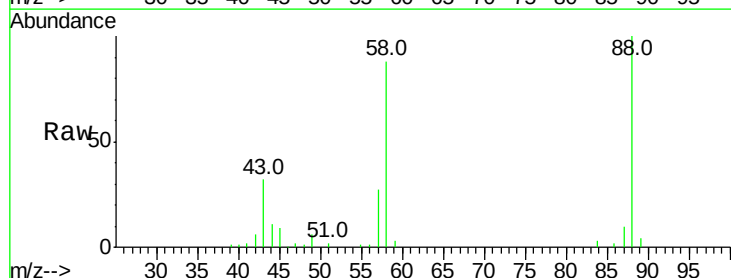
Tgt Ion: 88 Resp: 71417

Ion Ratio Lower Upper

88 100

58 85.3 79.6 119.4

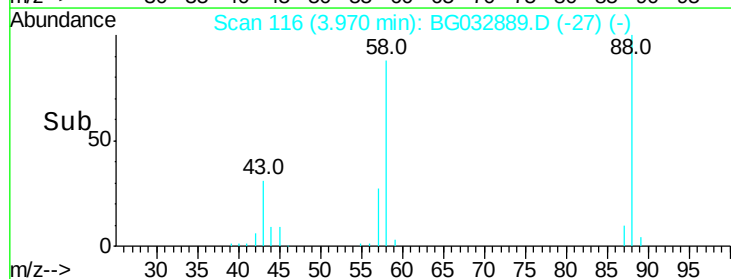
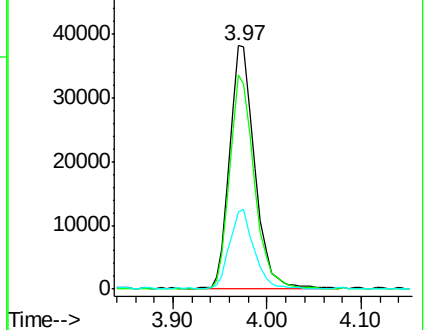
43 31.7 27.4 41.0

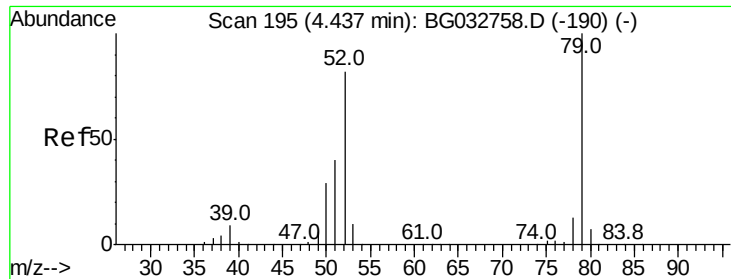


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 41.198 ng

RT: 4.43 min Scan# 195

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

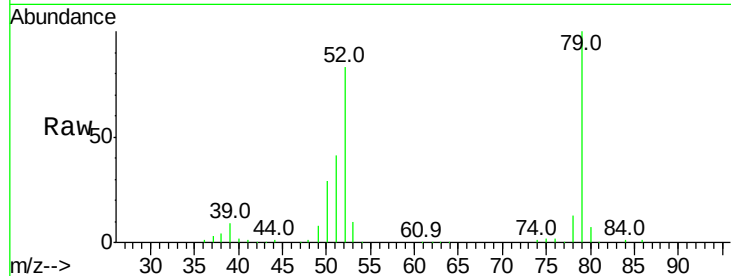
Tot Ion: 79 Resp: 206609

Ion Ratio Lower Upper

79 100

52 83.1 69.9 104.9

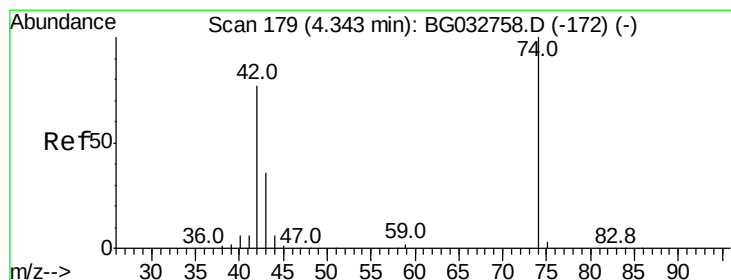
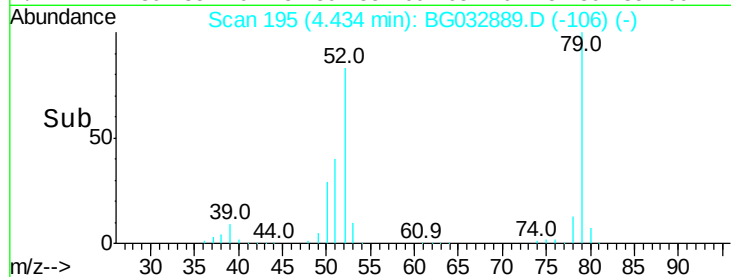
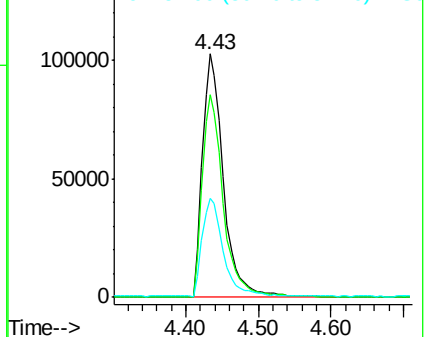
51 40.8 34.0 51.0



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 40.063 ng

RT: 4.33 min Scan# 178

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

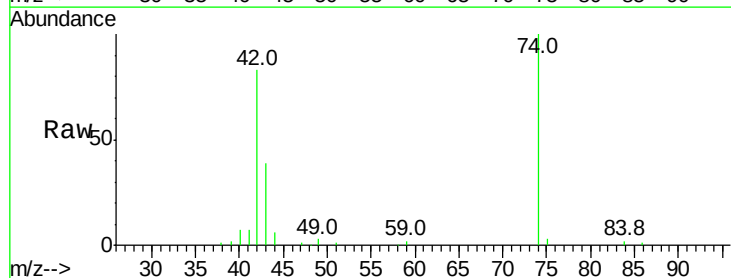
Tgt Ion: 42 Resp: 80552

Ion Ratio Lower Upper

42 100

74 120.7 102.5 153.7

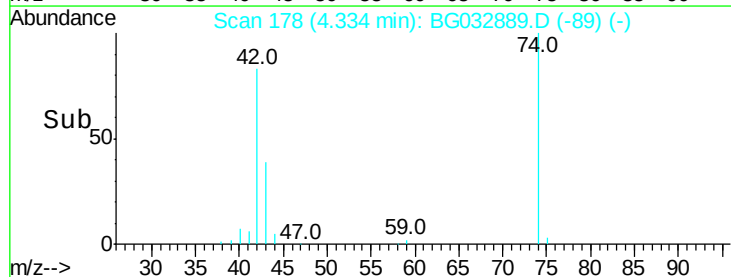
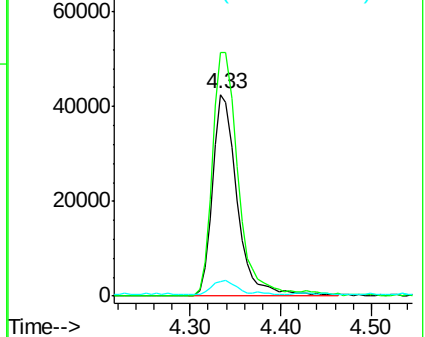
44 7.5 18.9 28.3#

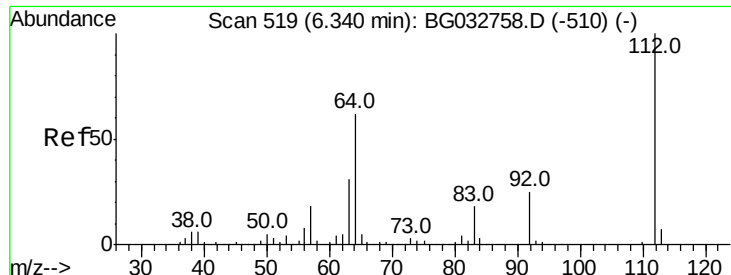


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC

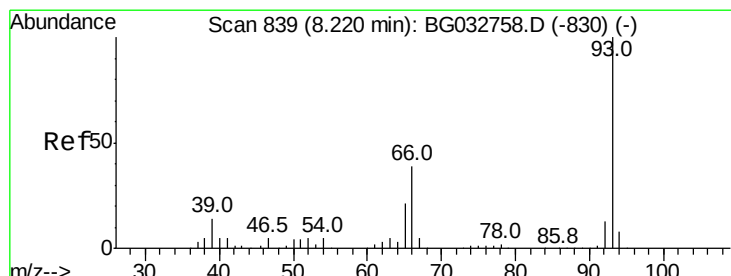
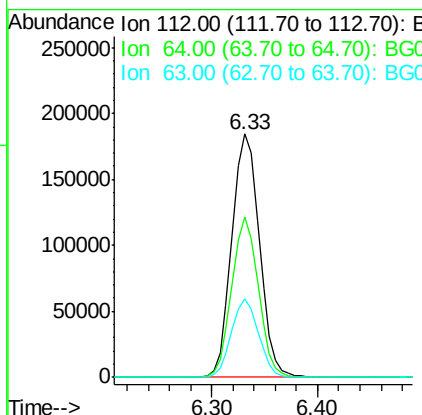
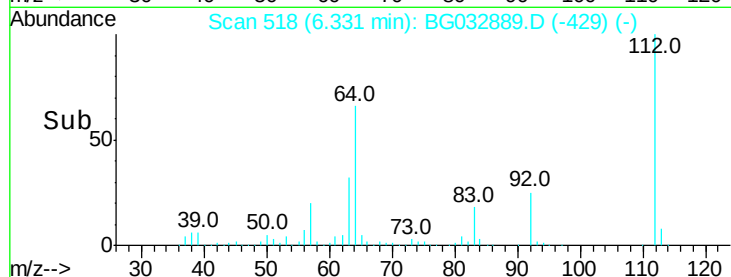
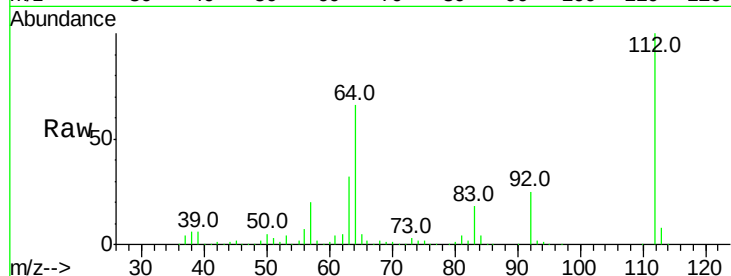




#5  
 2-Fluorophenol  
 Concen: 79.437 ng  
 RT: 6.33 min Scan# 518  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

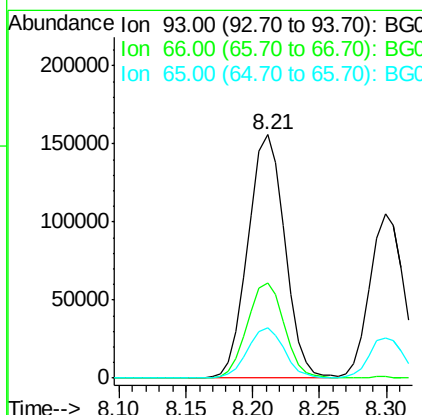
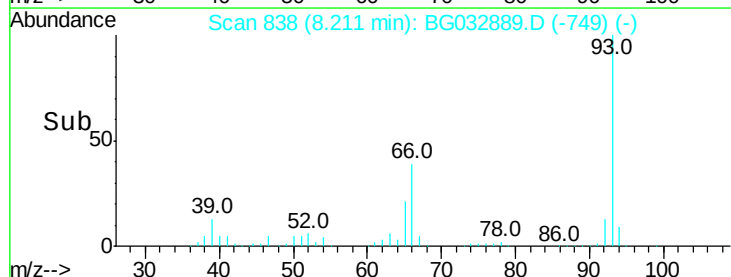
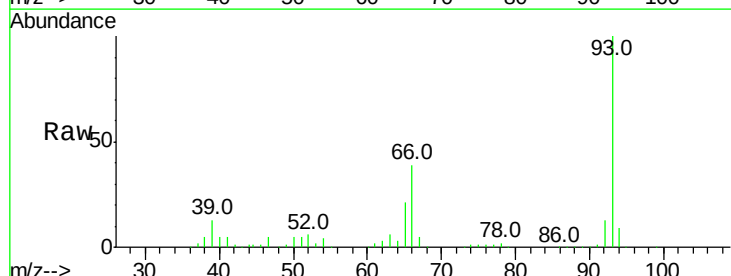
Instrument :  
 BNA\_G  
 ClientSampled :

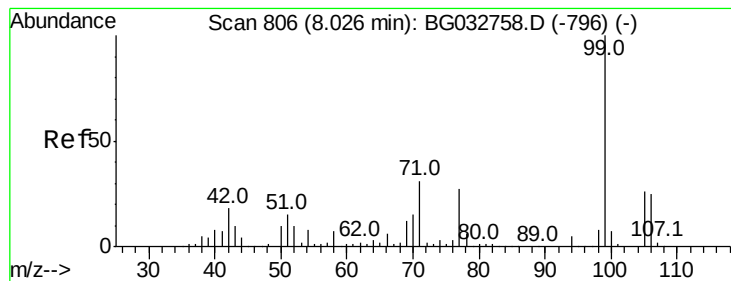
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 333041 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 65.8  | 56.3  | 84.5   |
| 63       | 32.2  | 30.1  | 45.1   |



#6  
 Aniline  
 Concen: 37.644 ng  
 RT: 8.21 min Scan# 838  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 297772 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 39.1  | 33.7  | 50.5   |
| 65       | 20.9  | 16.1  | 24.1   |





#7

Phenol-d6

Concen: 78.213 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

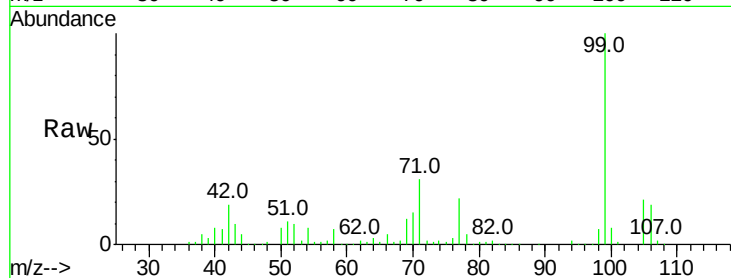
Tot Ion: 99 Resp: 457058

Ion Ratio Lower Upper

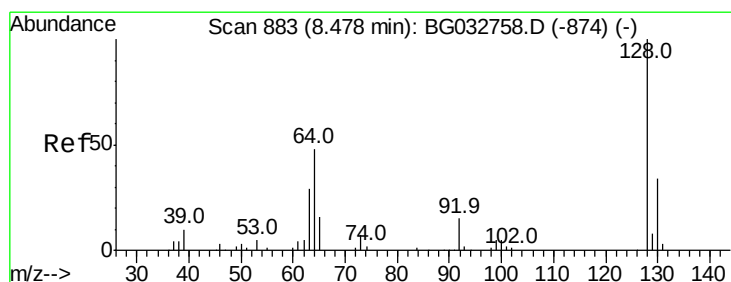
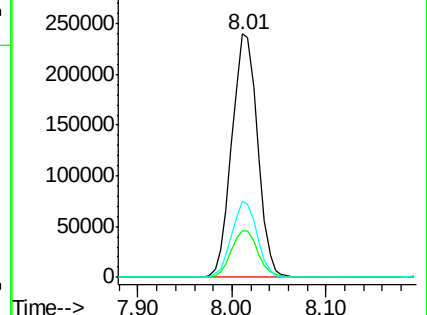
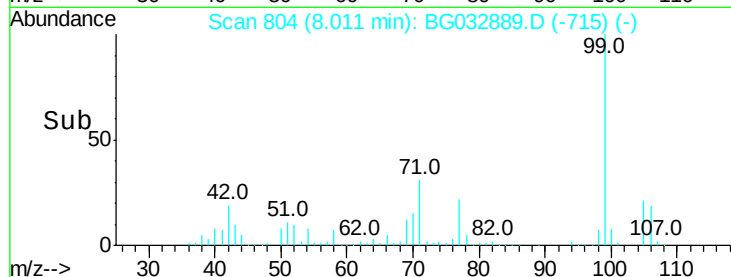
99 100

42 19.2 14.1 21.1

71 31.3 26.1 39.1



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



#8

2-Chlorophenol

Concen: 39.564 ng

RT: 8.46 min Scan# 881

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

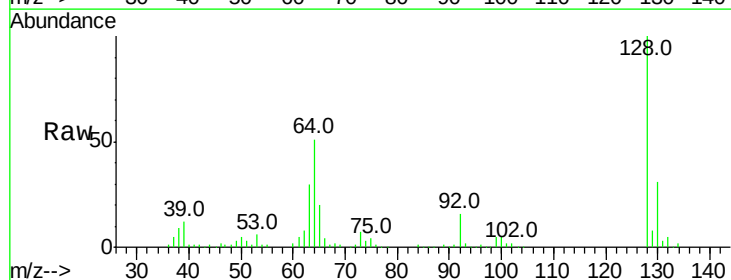
Tgt Ion:128 Resp: 181557

Ion Ratio Lower Upper

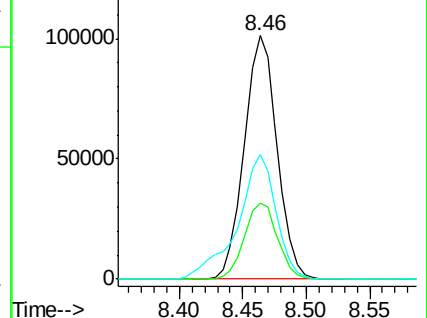
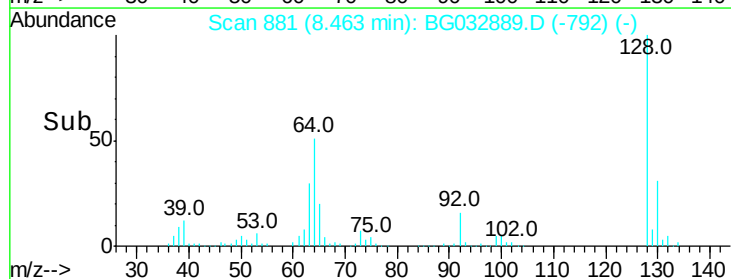
128 100

130 31.4 14.0 54.0

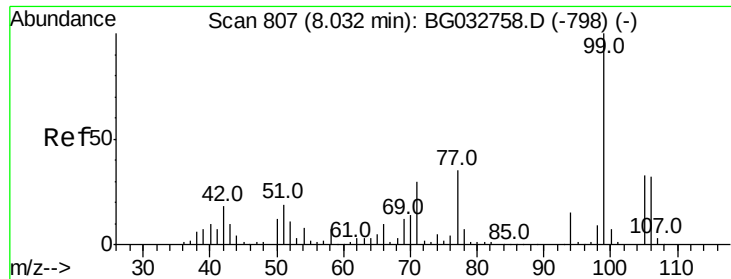
64 50.9 37.7 77.7



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: 33.719 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

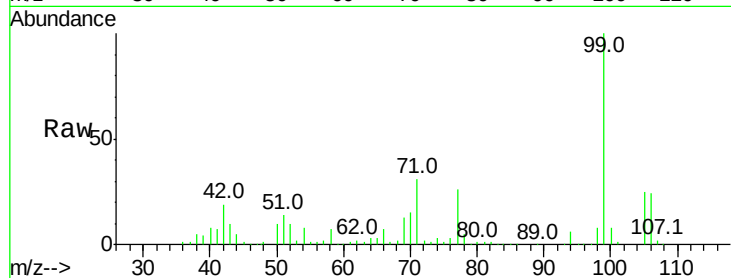
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 113567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 96.6  | 71.3  | 111.3 |
| 106 | 92.2  | 64.2  | 104.2 |

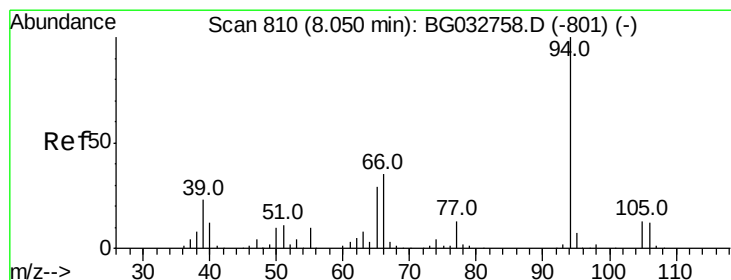
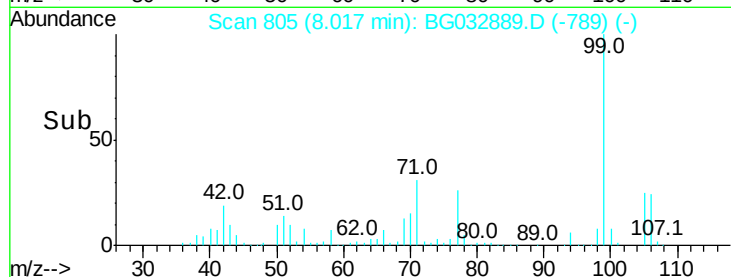
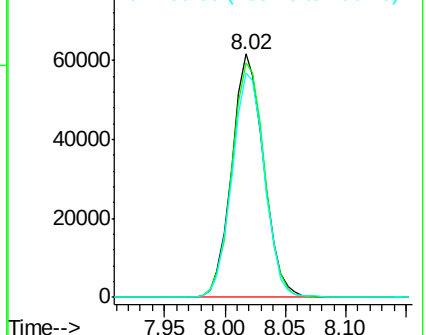


Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 39.384 ng

RT: 8.04 min Scan# 809

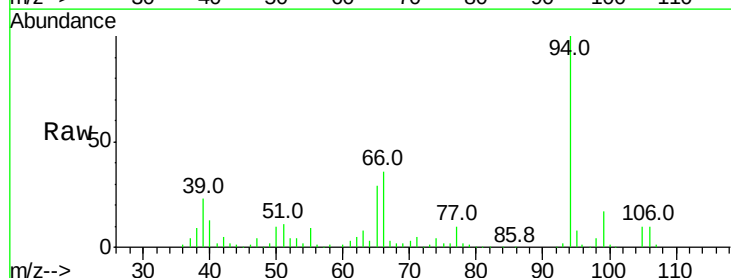
Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Tgt Ion: 94 Resp: 232004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.8  | 11.9  | 51.9  |
| 66  | 36.1  | 22.2  | 62.2  |

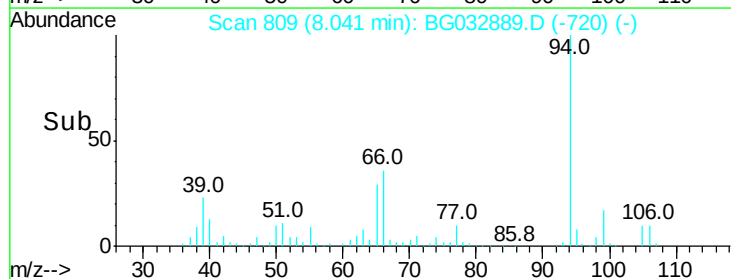
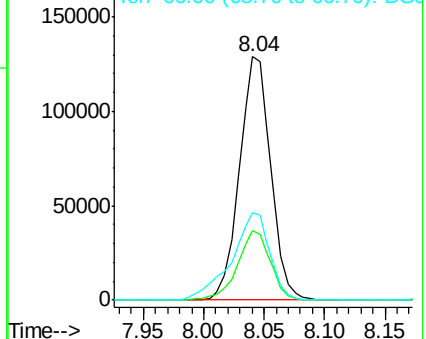


Abundance

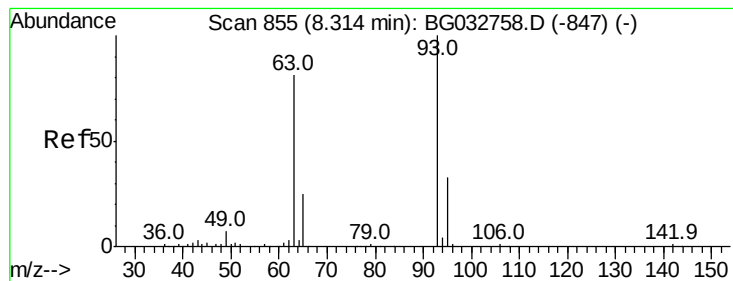
Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





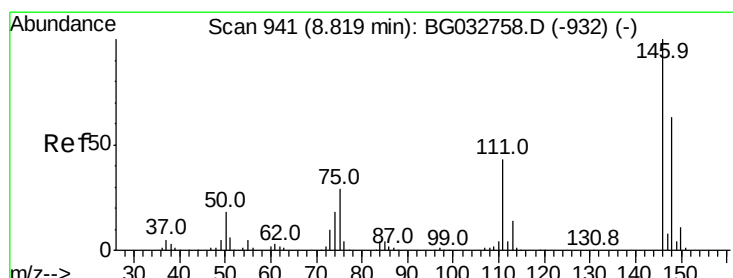
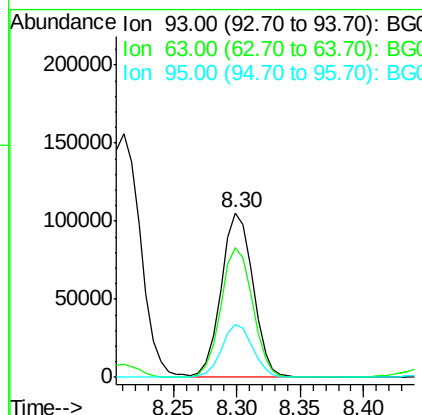
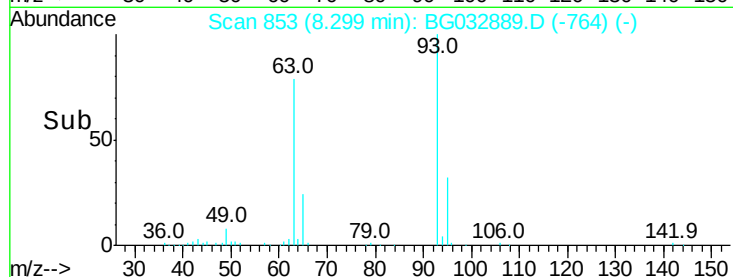
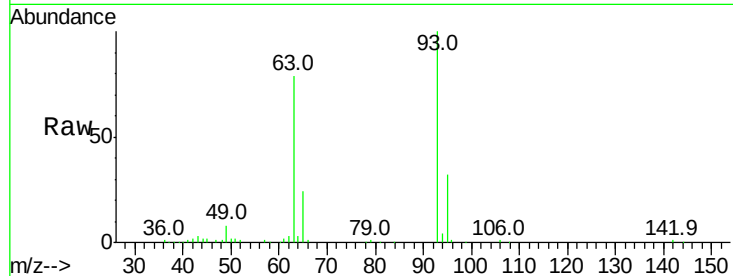


#11  
 bis(2-Chloroethyl)ether  
 Concen: 38.168 ng  
 RT: 8.30 min Scan# 853  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 93 Resp: 183853  

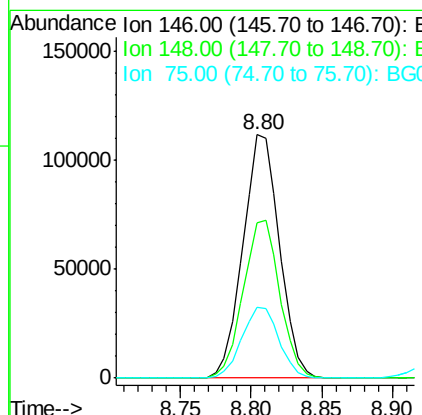
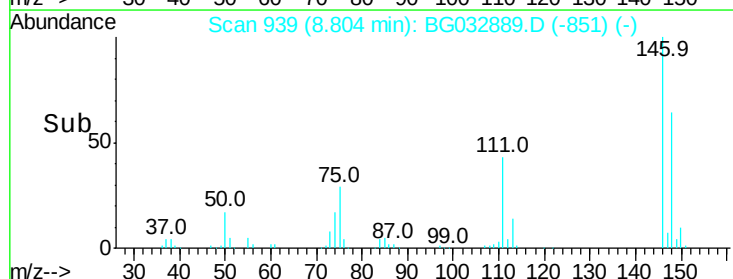
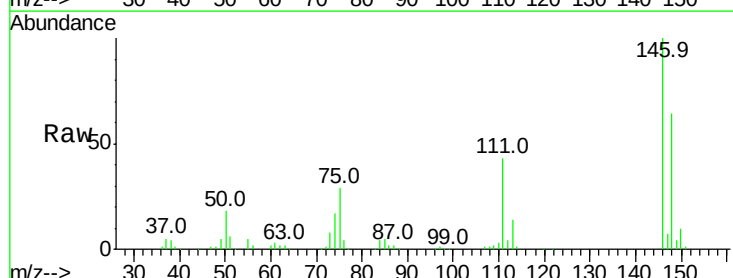
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 78.8  | 67.1  | 107.1 |
| 95  | 32.5  | 11.5  | 51.5  |

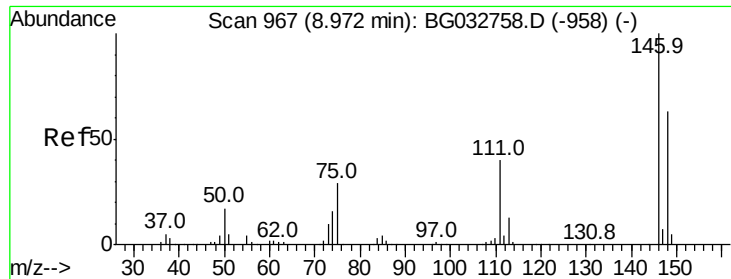


#12  
 1,3-Dichlorobenzene  
 Concen: 37.698 ng  
 RT: 8.80 min Scan# 939  
 Delta R.T. -0.01 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion: 146 Resp: 202622  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.7  | 51.4  | 77.2  |
| 75  | 29.0  | 26.6  | 39.8  |

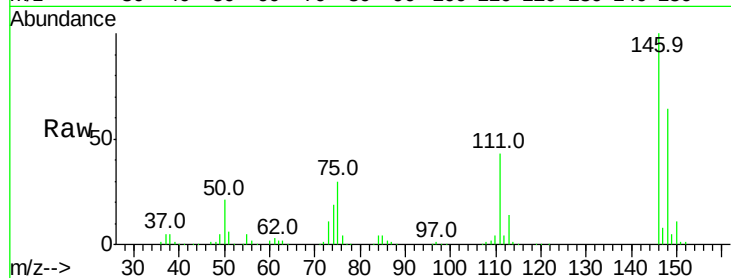




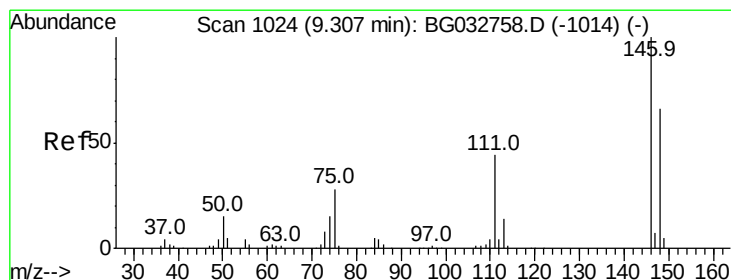
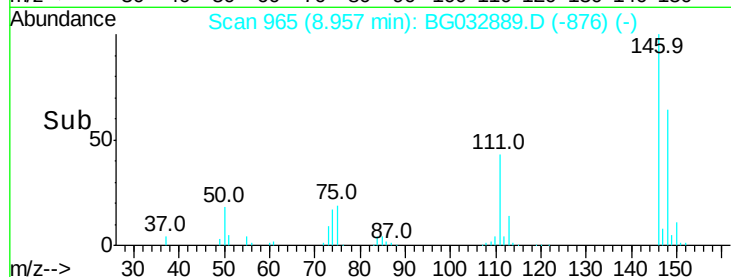
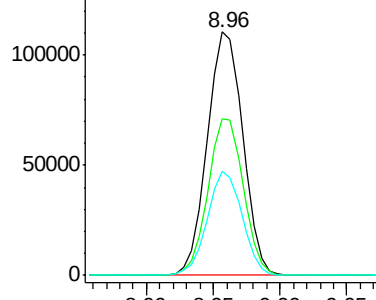
#13  
 1,4-Dichlorobenzene  
 Concen: 37.649 ng  
 RT: 8.96 min Scan# 965  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.1  | 53.7  | 80.5  |
| 111     | 42.8  | 35.2  | 52.8  |

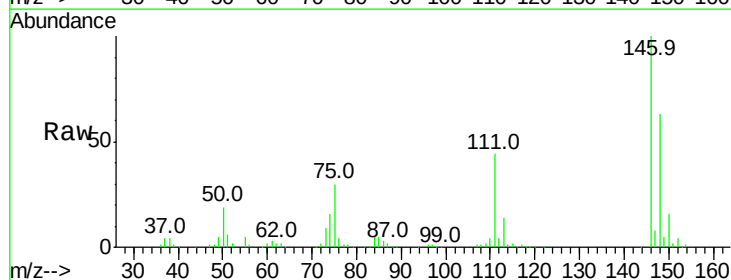


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

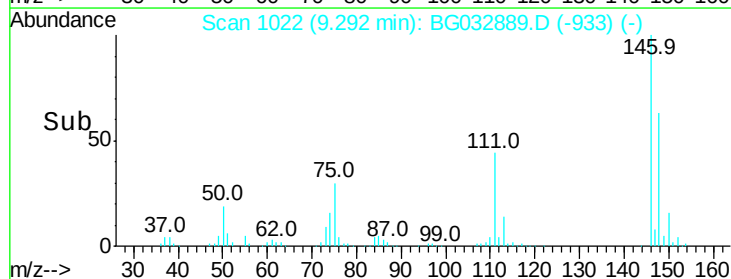
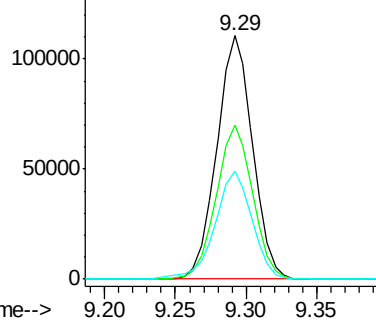


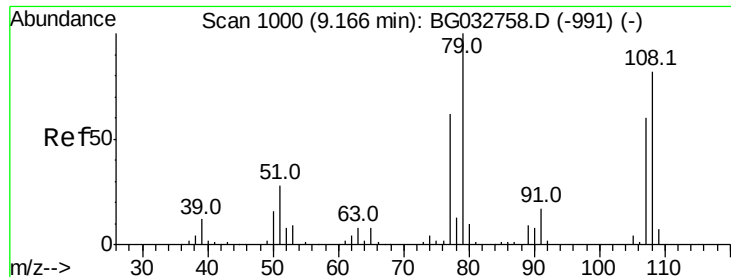
#14  
 1,2-Dichlorobenzene  
 Concen: 37.793 ng  
 RT: 9.29 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.0  | 49.3  | 73.9  |
| 111     | 44.3  | 34.3  | 51.5  |



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

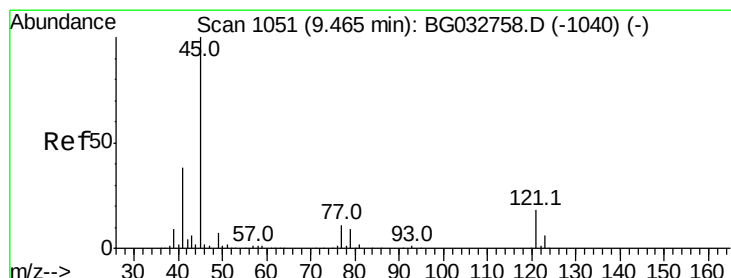
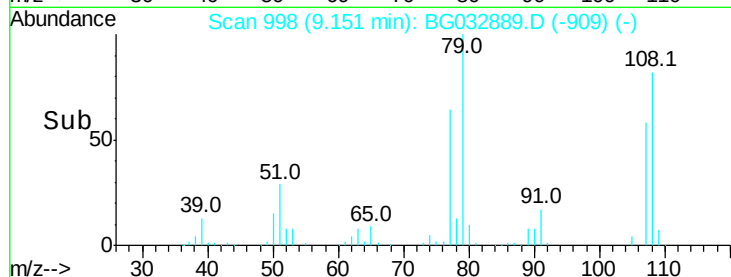
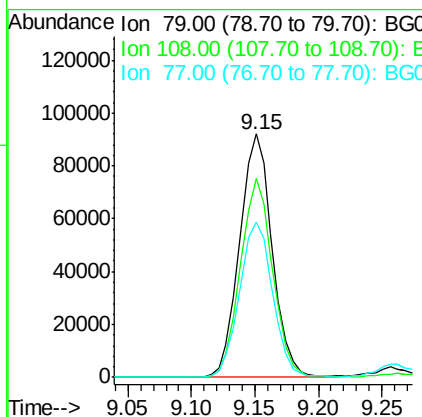
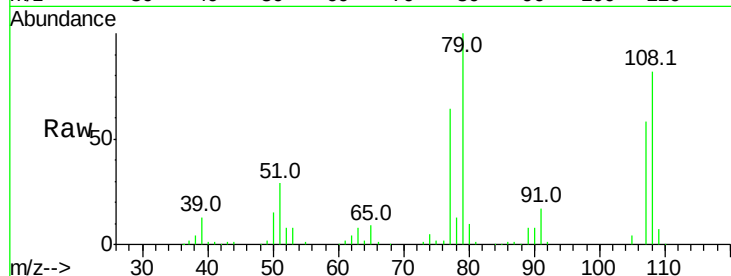




#15  
Benzvl Alcohol  
Concen: 38.249 ng  
RT: 9.15 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

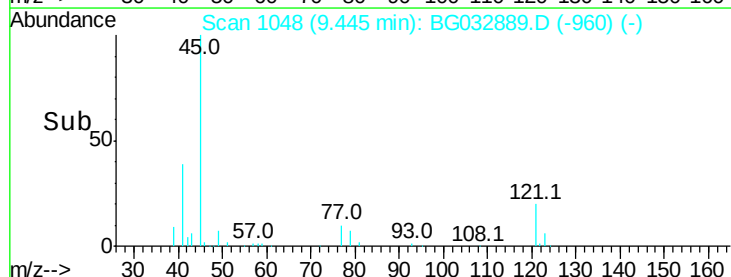
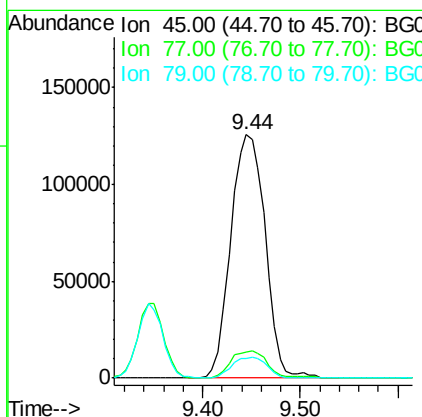
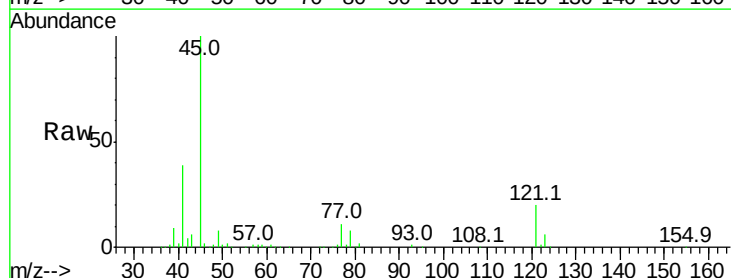
Instrument :  
BNA\_G  
ClientSampleId :

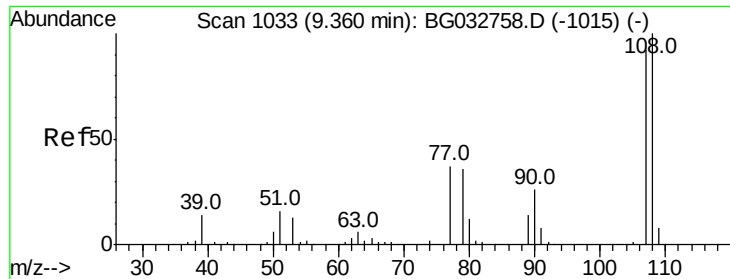
Tot Ion: 79 Resp: 164321  
Ion Ratio Lower Upper  
79 100  
108 81.6 57.2 85.8  
77 64.0 46.1 69.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.325 ng  
RT: 9.44 min Scan# 1048  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion: 45 Resp: 309081  
Ion Ratio Lower Upper  
45 100  
77 10.8 0.0 30.2  
79 8.2 0.0 27.9





#17

2-Methylphenol

Concen: 38.127 ng

RT: 9.34 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 165619

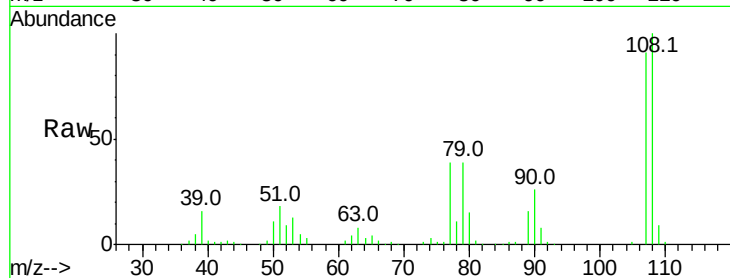
Ion Ratio Lower Upper

107 100

108 110.1 83.9 125.9

77 42.8 37.2 55.8

79 43.2 36.2 54.2

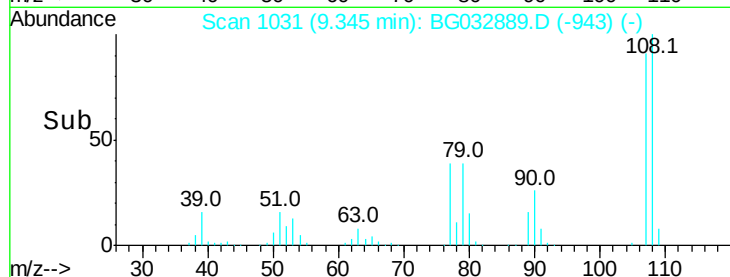


Abundance Ion 107.00 (106.70 to 107.70): E

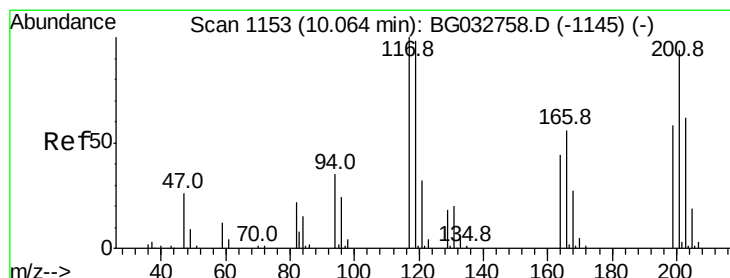
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 39.600 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

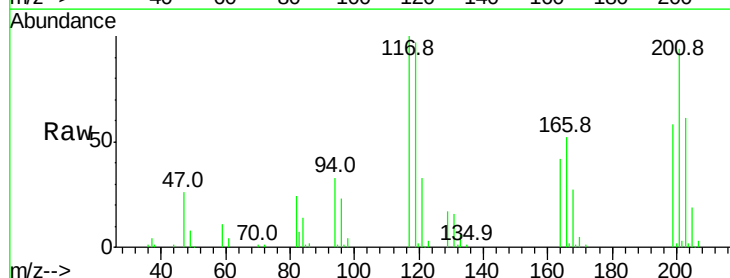
Tgt Ion:117 Resp: 72947

Ion Ratio Lower Upper

117 100

119 96.9 76.7 115.1

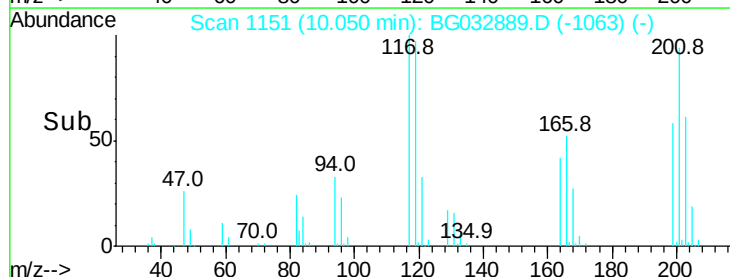
201 94.0 95.7 143.5#



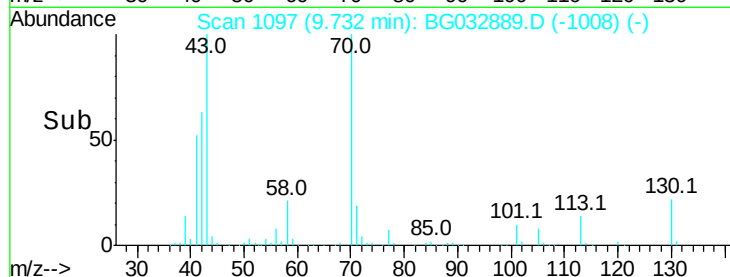
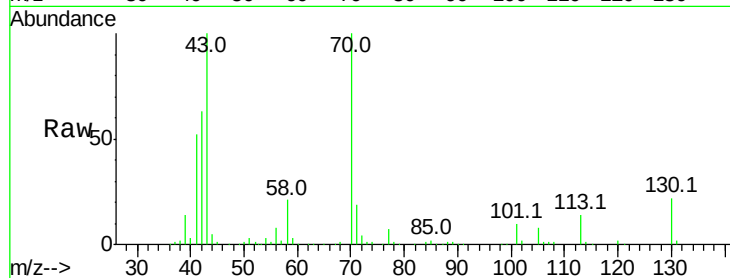
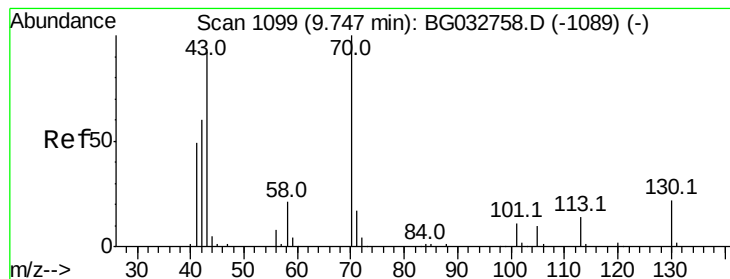
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 37.950 ng

RT: 9.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 156563

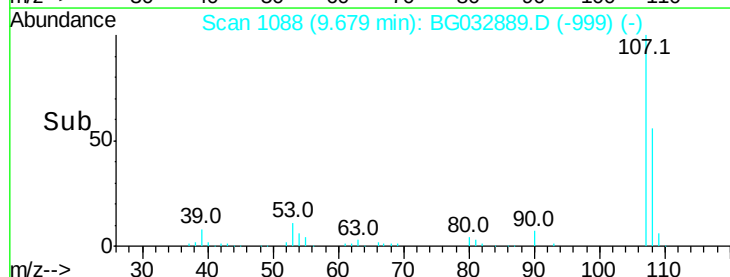
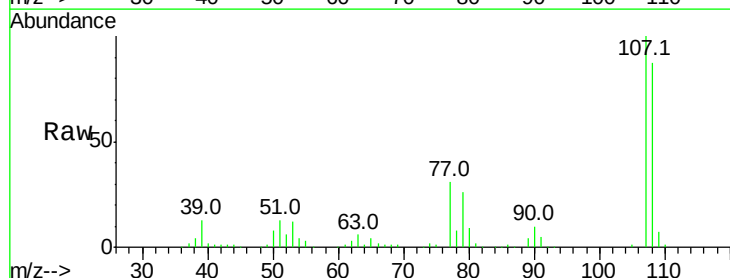
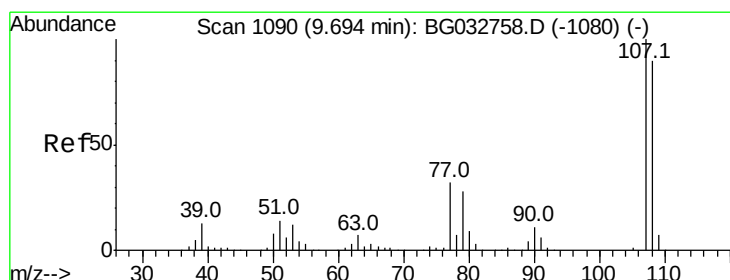
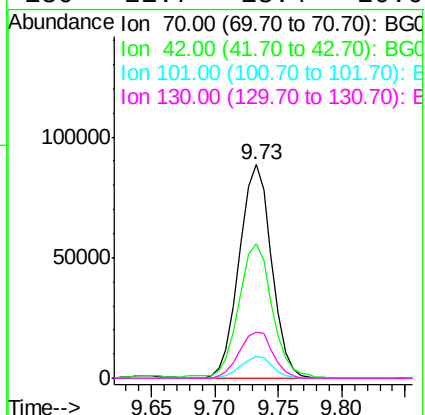
Ion Ratio Lower Upper

70 100

42 63.0 49.1 73.7

101 10.2 8.5 12.7

130 21.7 13.4 20.0#



#20

3+4-Methylphenols

Concen: 39.535 ng

RT: 9.68 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Tgt Ion:107 Resp: 238788

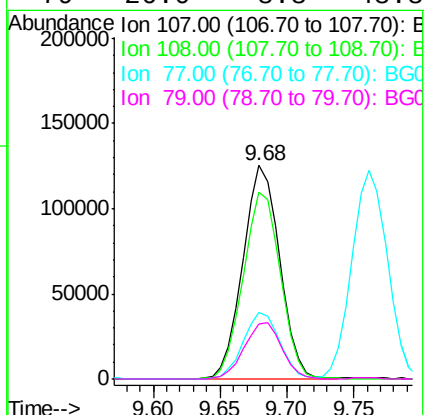
Ion Ratio Lower Upper

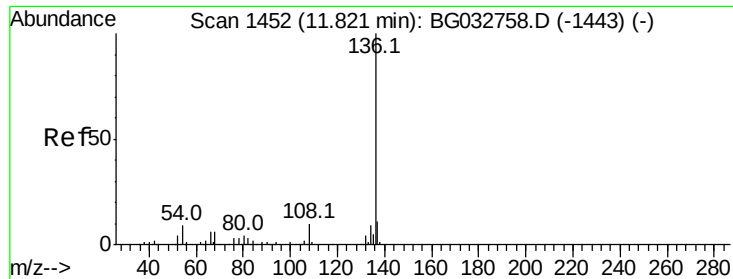
107 100

108 87.3 61.6 101.6

77 31.4 13.9 53.9

79 26.0 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.81 min Scan# 1450

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 315721

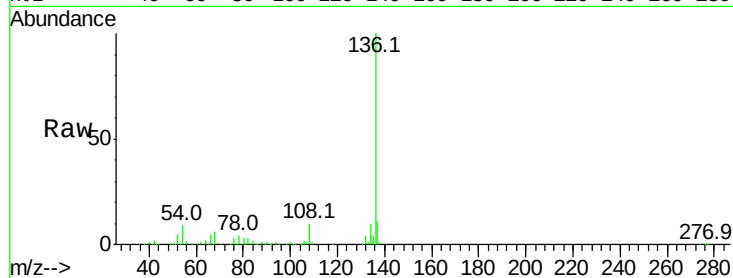
Ion Ratio Lower Upper

136 100

137 10.9 9.2 13.8

54 8.7 10.3 15.5#

68 5.9 4.5 6.7

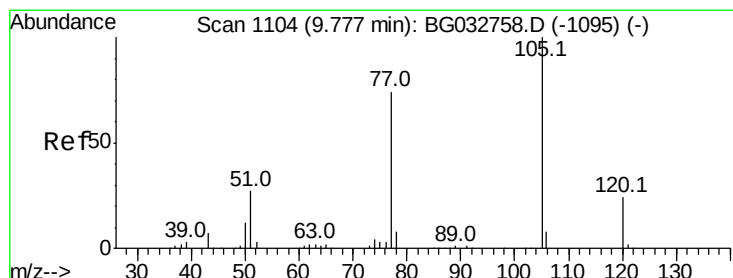
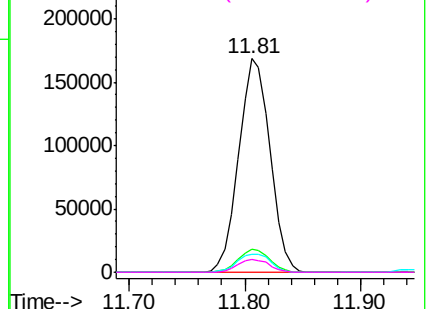
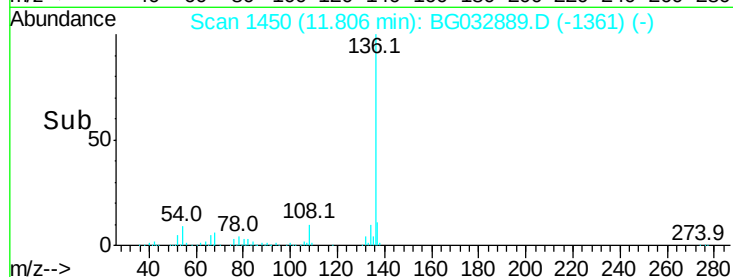


Abundance Ion 136.00 (135.70 to 136.70): E

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: 37.319 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Tgt Ion:105 Resp: 297560

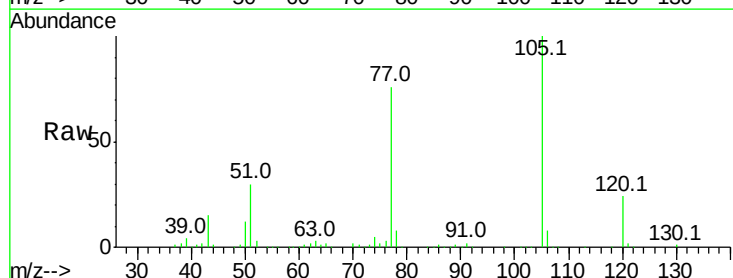
Ion Ratio Lower Upper

105 100

71 0.5 3.0 4.4#

51 29.8 26.1 39.1

120 24.4 17.4 26.2

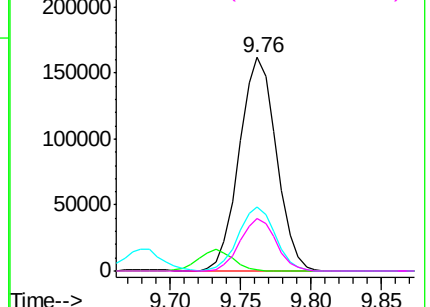
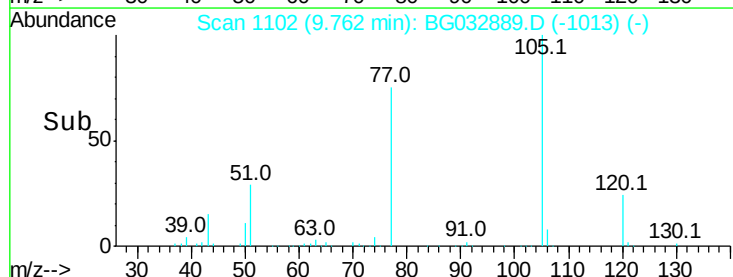


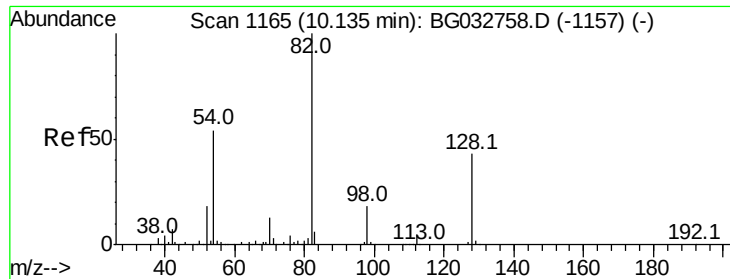
Abundance Ion 105.00 (104.70 to 105.70): E

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

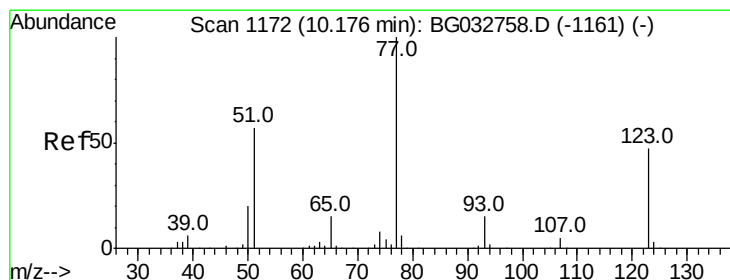
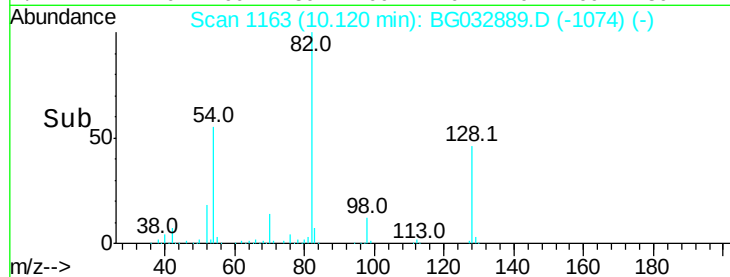
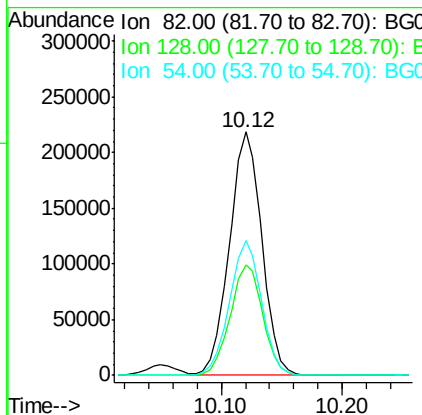
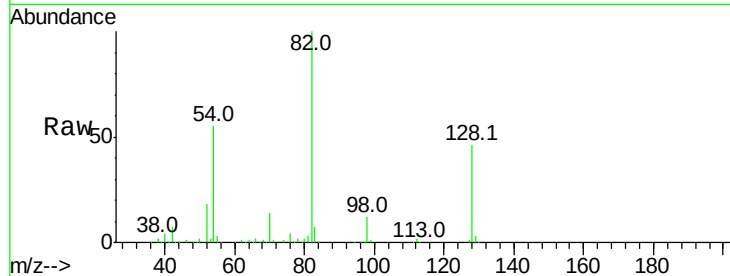




#23  
Nitrobenzene-d5  
Concen: 88.927 ng  
RT: 10.12 min Scan# 1163  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

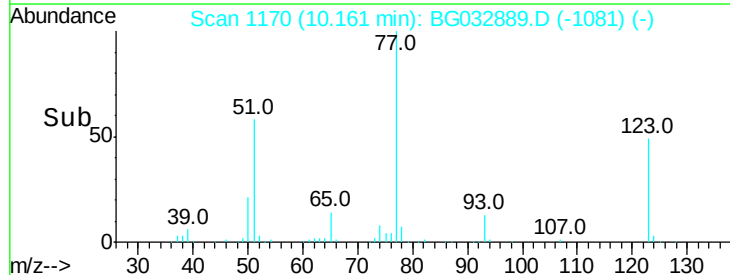
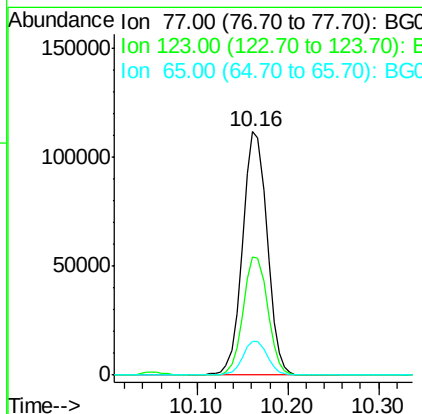
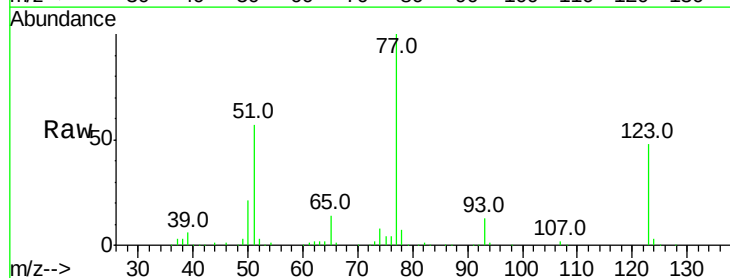
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 82 Resp: 406942  
Ion Ratio Lower Upper  
82 100  
128 45.5 29.7 44.5#  
54 55.4 43.1 64.7

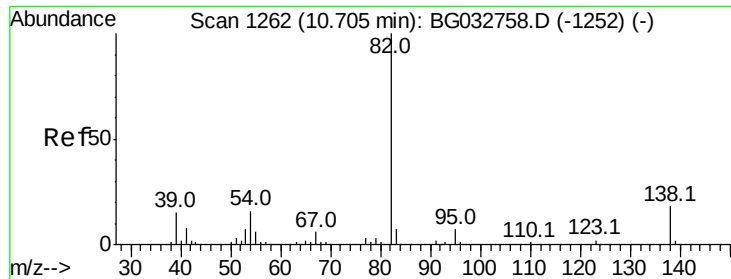


#24  
Nitrobenzene  
Concen: 42.683 ng  
RT: 10.16 min Scan# 1170  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion: 77 Resp: 210801  
Ion Ratio Lower Upper  
77 100  
123 48.5 33.0 49.6  
65 14.0 13.0 19.6







#25

Isophorone

Concen: 36.847 ng

RT: 10.69 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

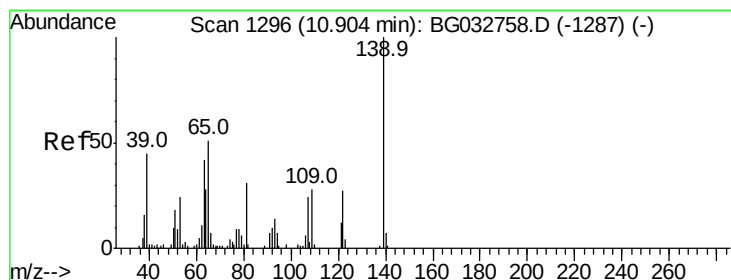
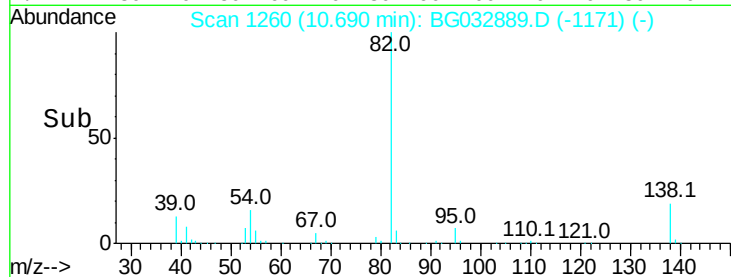
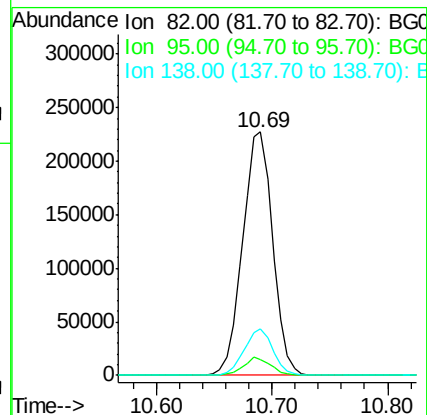
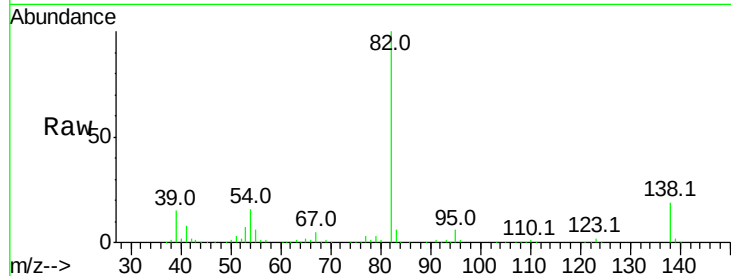
Tot Ion: 82 Resp: 408319

Ion Ratio Lower Upper

82 100

95 6.5 6.2 9.2

138 19.1 12.1 18.1#



#26

2-Nitrophenol

Concen: 54.631 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

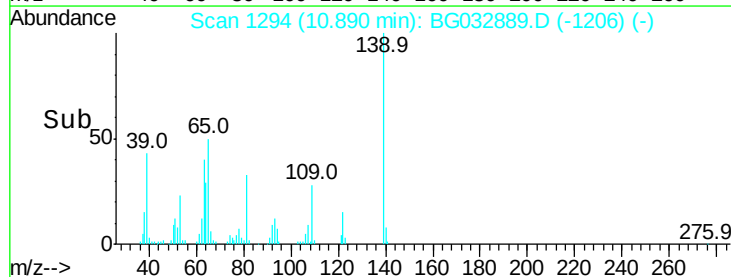
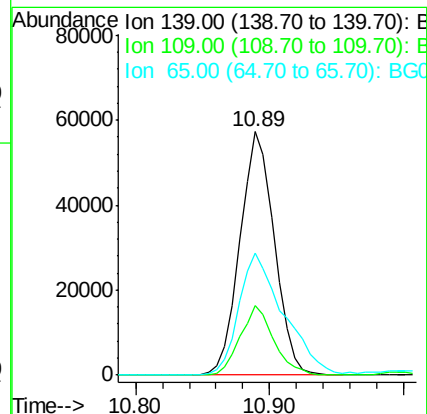
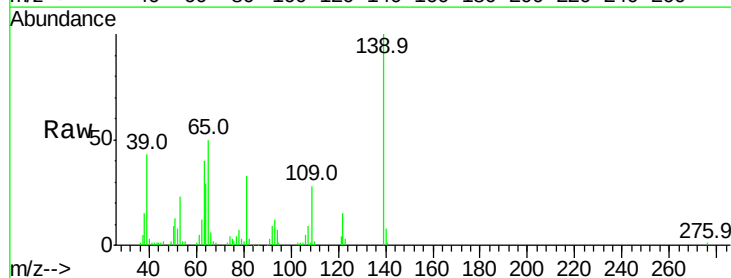
Tgt Ion: 139 Resp: 101966

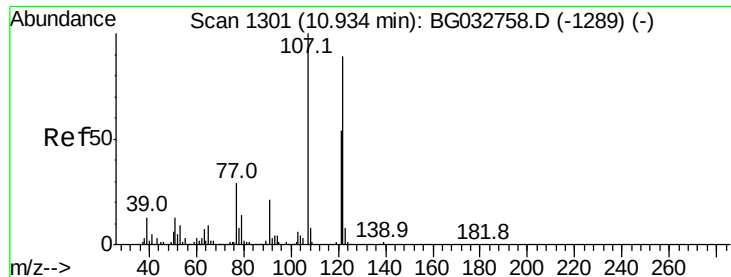
Ion Ratio Lower Upper

139 100

109 28.4 24.2 36.2

65 50.1 47.4 71.0

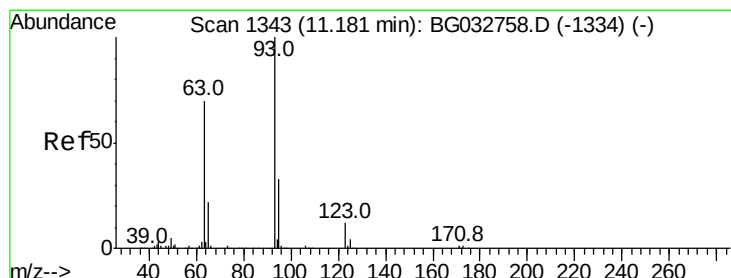
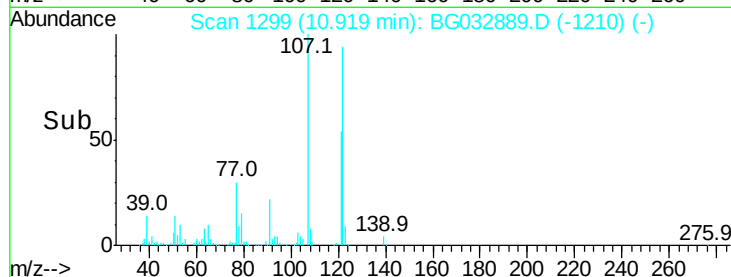
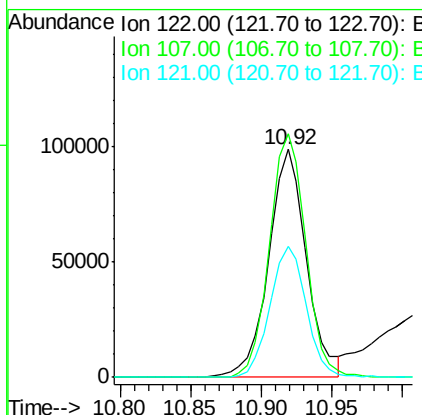
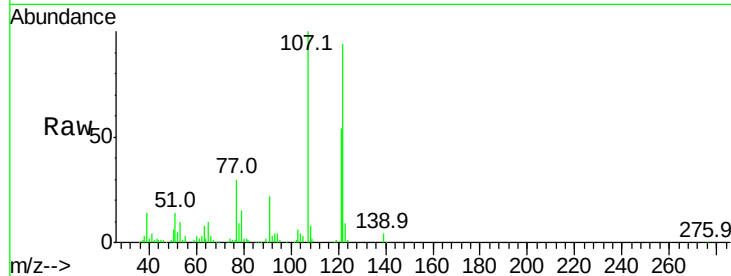




#27  
 2,4-Dimethylphenol  
 Concen: 38.300 ng  
 RT: 10.92 min Scan# 1299  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

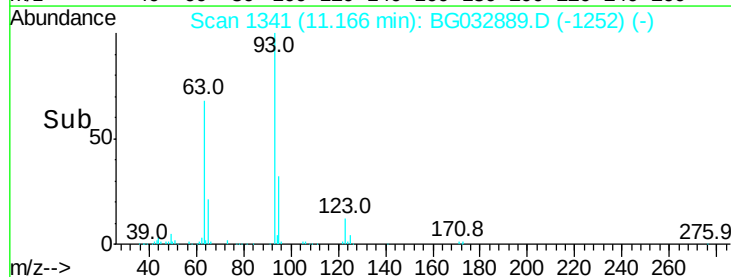
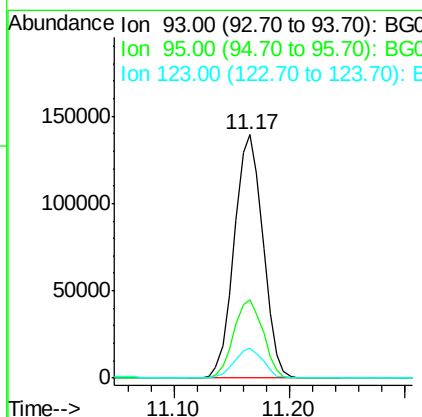
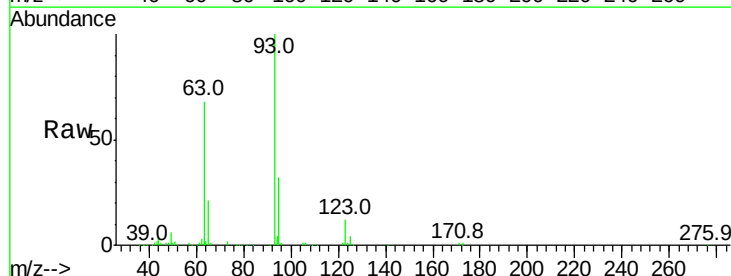
Instrument :  
 BNA\_G  
 ClientSampleId :

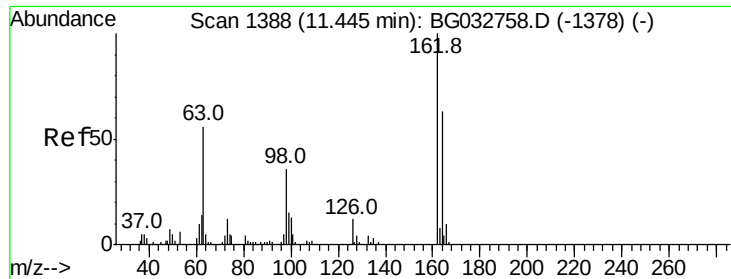
Tot Ion:122 Resp: 184376  
 Ion Ratio Lower Upper  
 122 100  
 107 106.8 100.2 150.2  
 121 57.7 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 37.218 ng  
 RT: 11.17 min Scan# 1341  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion: 93 Resp: 240267  
 Ion Ratio Lower Upper  
 93 100  
 95 32.1 24.3 36.5  
 123 12.0 8.4 12.6

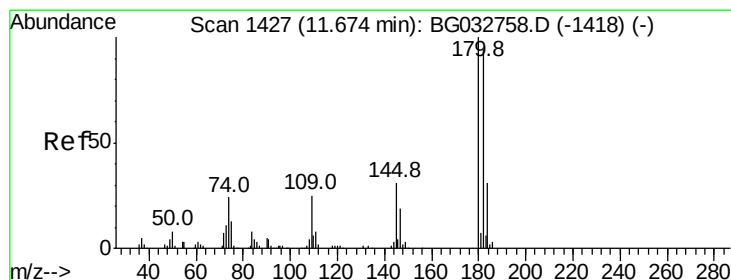
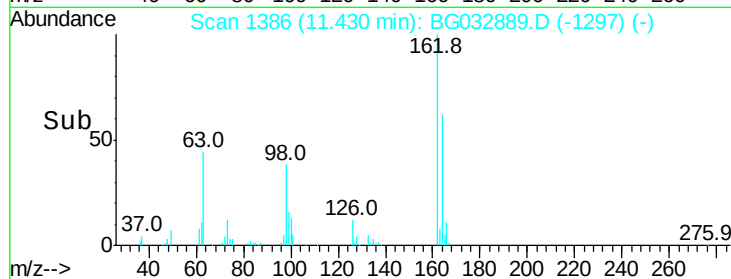
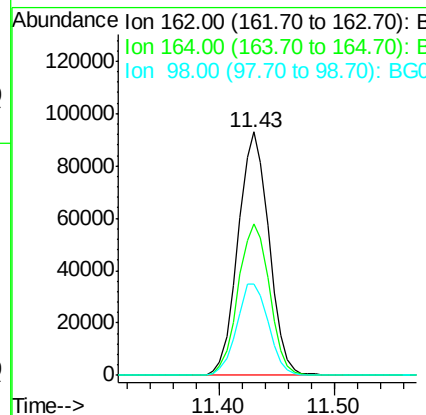
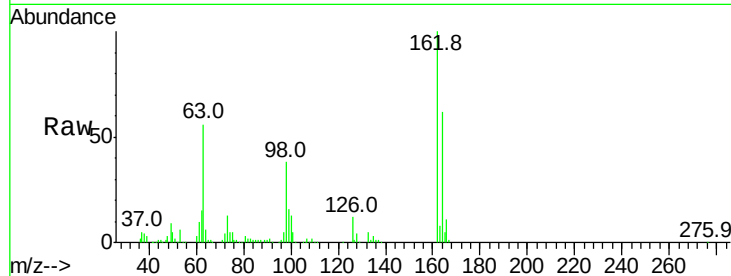




#29  
 2,4-Dichlorophenol  
 Concen: 39.446 ng  
 RT: 11.43 min Scan# 1386  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

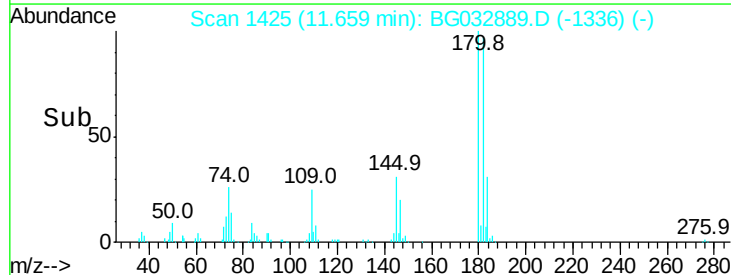
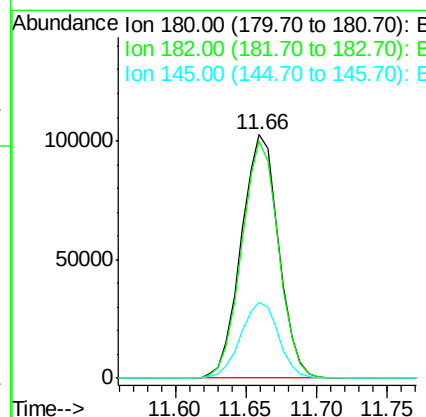
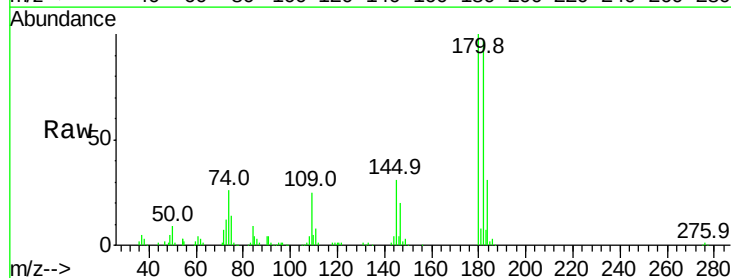
Instrument :  
 BNA\_G  
 ClientSampleId :

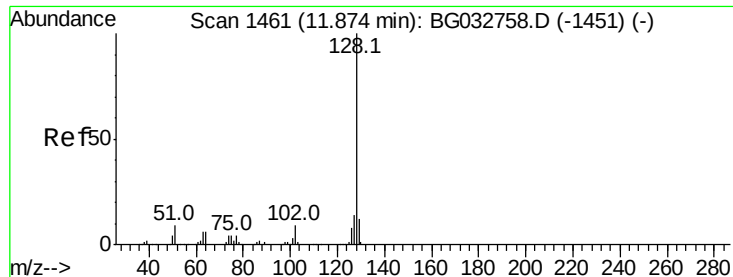
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.5  | 48.0  | 88.0  |
| 98      | 37.7  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 37.074 ng  
 RT: 11.66 min Scan# 1425  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.2  | 77.5  | 116.3 |
| 145     | 31.4  | 23.4  | 35.2  |

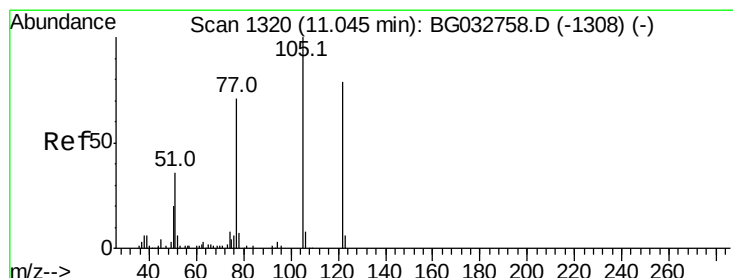
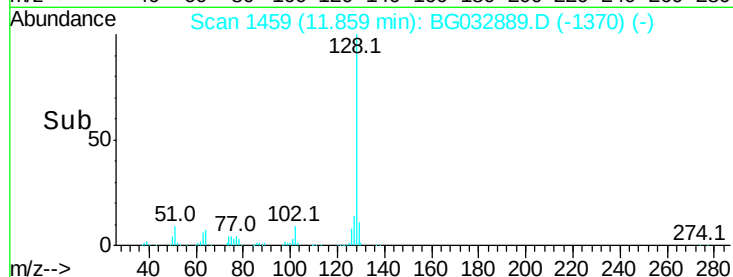
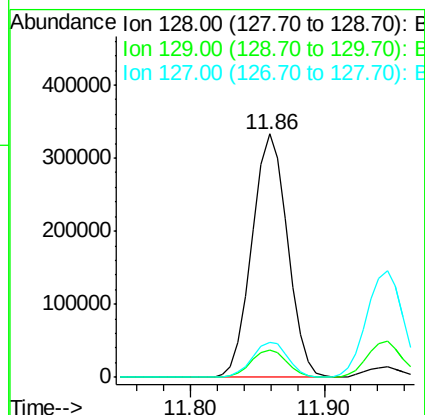
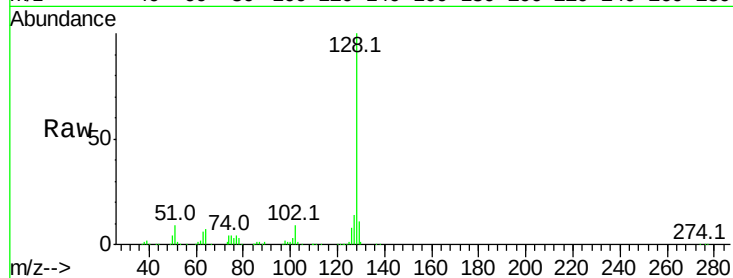




#31  
Naphthalene  
Concen: 37.090 ng  
RT: 11.86 min Scan# 1459  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

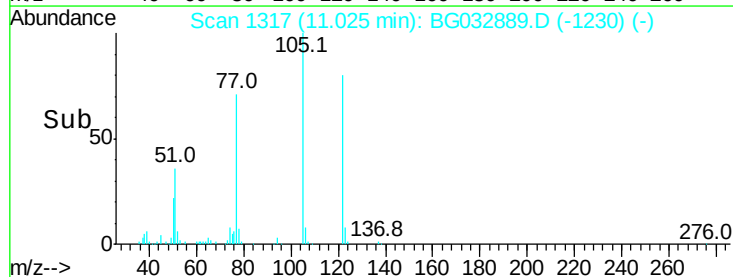
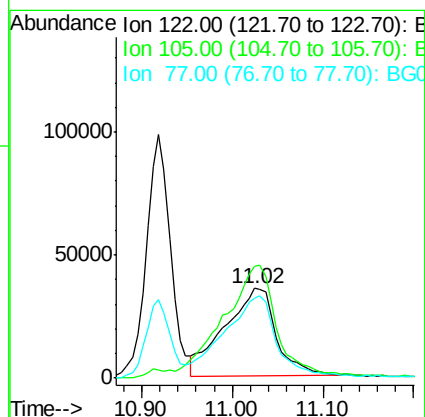
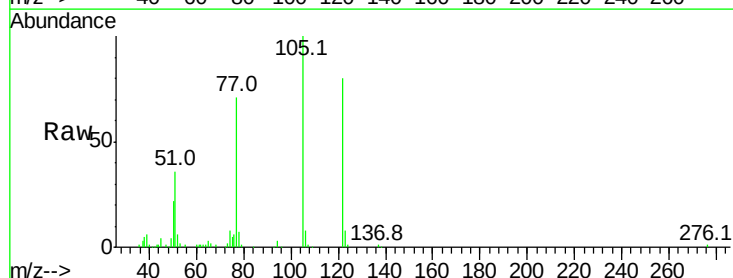
Instrument :  
BNA\_G  
ClientSampleId :

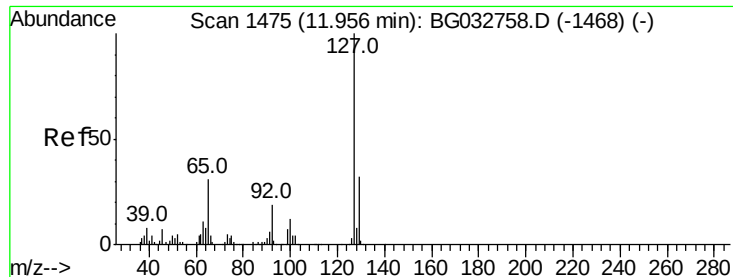
Tot Ion:128 Resp: 611899  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.6 12.8  
127 14.3 11.6 17.4



#32  
Benzoic acid  
Concen: 47.097 ng  
RT: 11.02 min Scan# 1317  
Delta R.T. -0.02 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:122 Resp: 140028  
Ion Ratio Lower Upper  
122 100  
105 125.6 123.5 163.5  
77 88.5 85.7 125.7

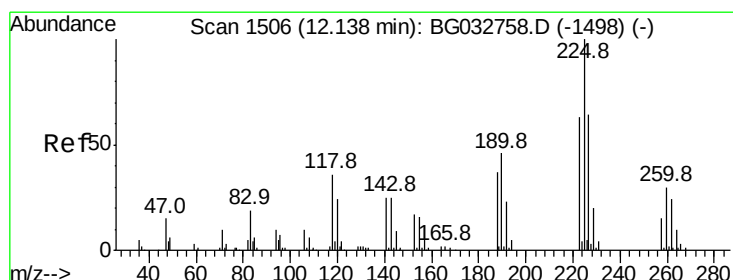
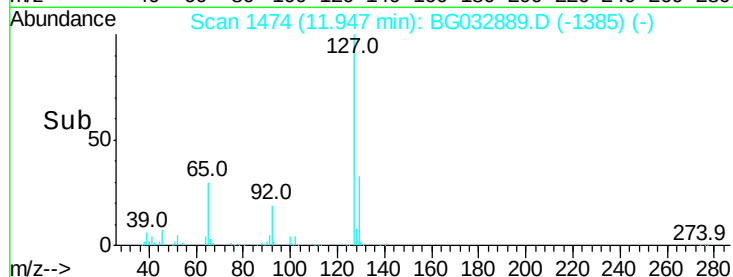
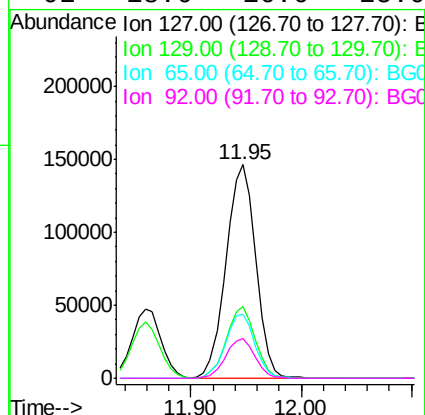
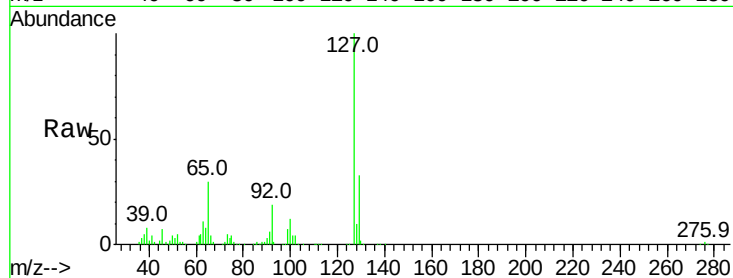




#33  
4-Chloroaniline  
Concen: 37.355 ng  
RT: 11.95 min Scan# 1474  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

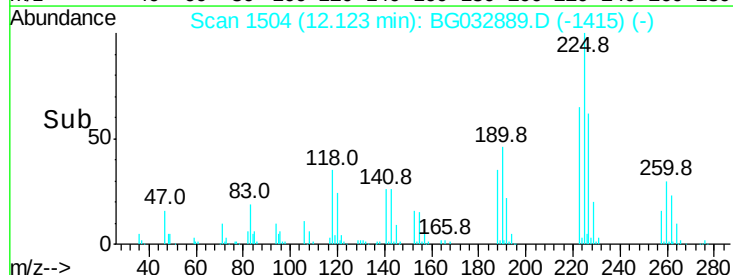
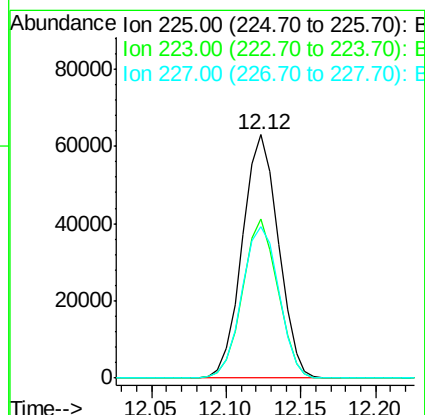
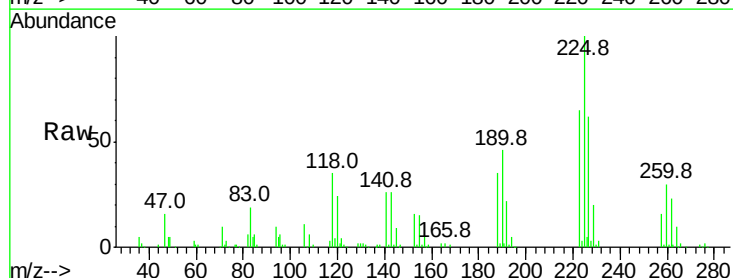
Instrument :  
BNA\_G  
ClientSampleId :

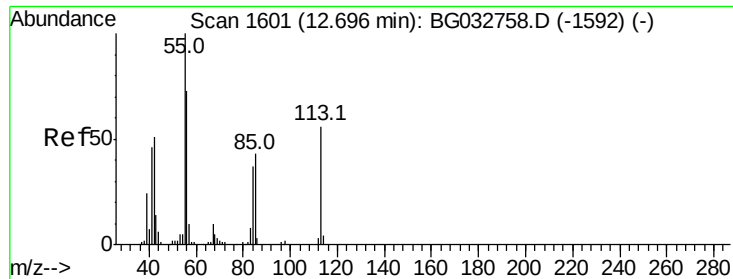
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 275552 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.4  | 24.0  | 36.0   |
| 65       | 30.0  | 27.0  | 40.4   |
| 92       | 18.6  | 16.6  | 25.0   |



#34  
Hexachlorobutadiene  
Concen: 36.718 ng  
RT: 12.12 min Scan# 1504  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 105482 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.1  | 49.7  | 74.5   |
| 227      | 62.3  | 48.1  | 72.1   |

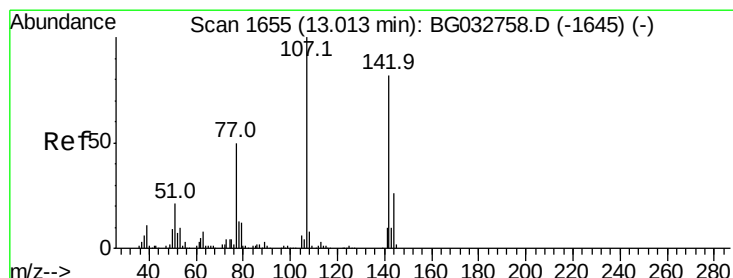
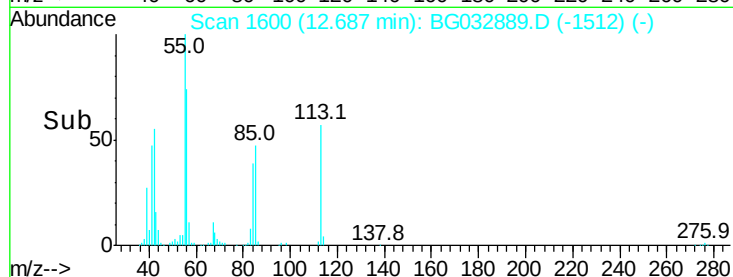
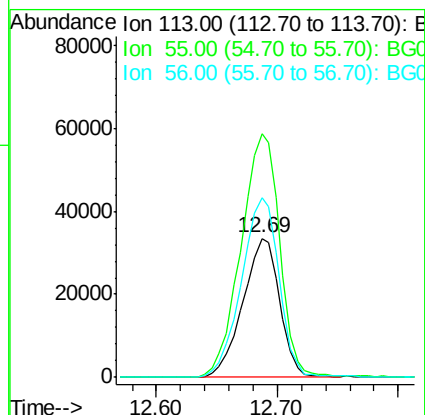
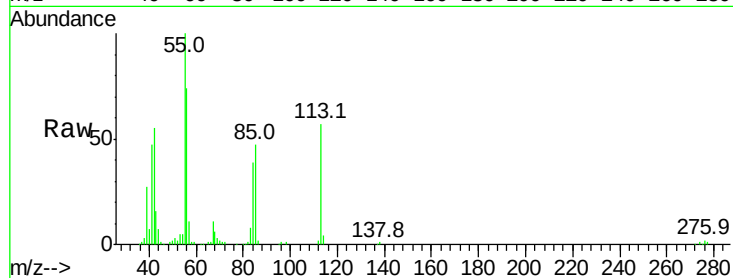




#35  
 Caprolactam  
 Concen: 40.430 ng  
 RT: 12.69 min Scan# 1600  
 Delta R.T. -0.01 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

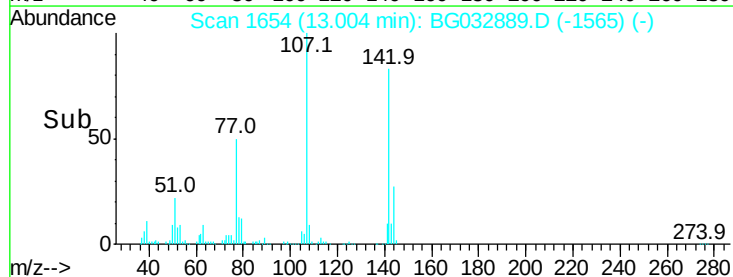
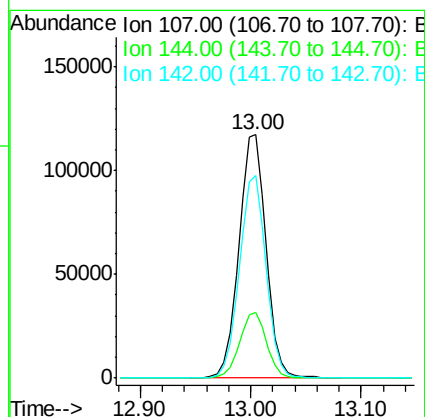
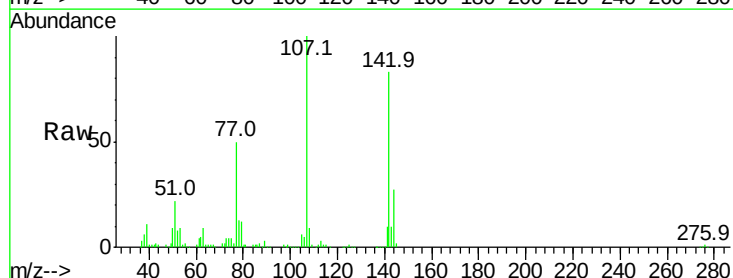
Instrument :  
 BNA\_G  
 ClientSampleId :

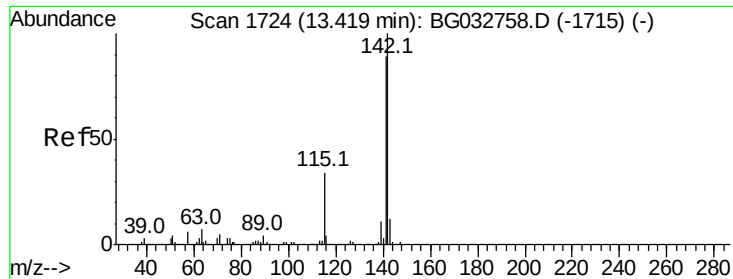
Tot Ion:113 Resp: 70731  
 Ion Ratio Lower Upper  
 113 100  
 55 175.0 186.9 226.9#  
 56 129.2 130.9 170.9#



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.867 ng  
 RT: 13.00 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion:107 Resp: 202698  
 Ion Ratio Lower Upper  
 107 100  
 144 27.1 18.2 27.4  
 142 83.0 59.0 88.4

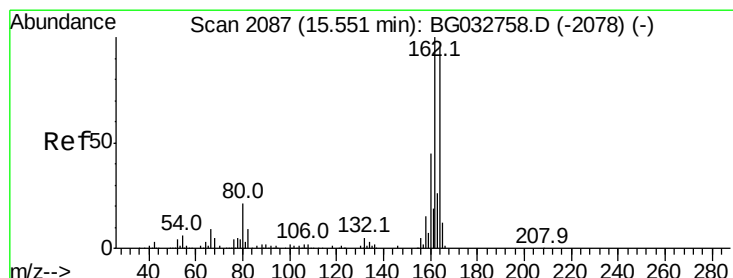
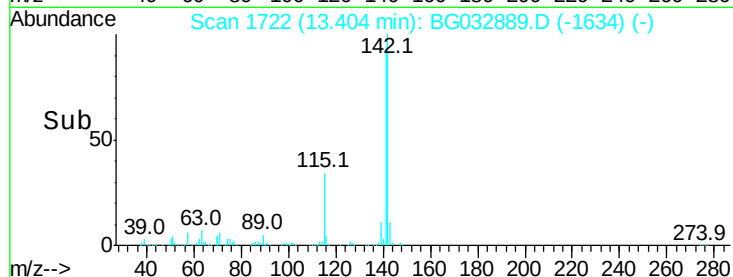
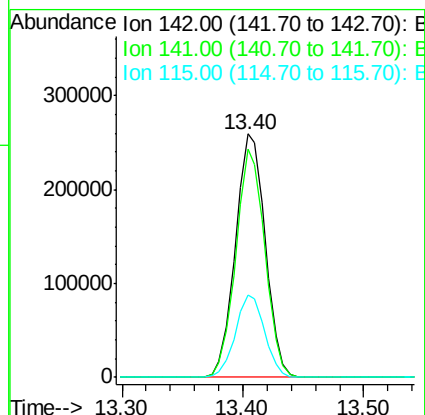
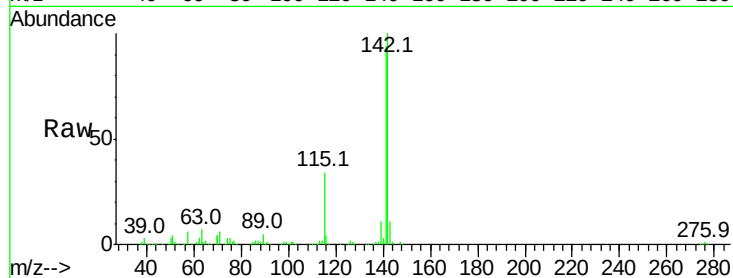




#37  
2-Methylnaphthalene  
Concen: 37.366 ng  
RT: 13.40 min Scan# 1722  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

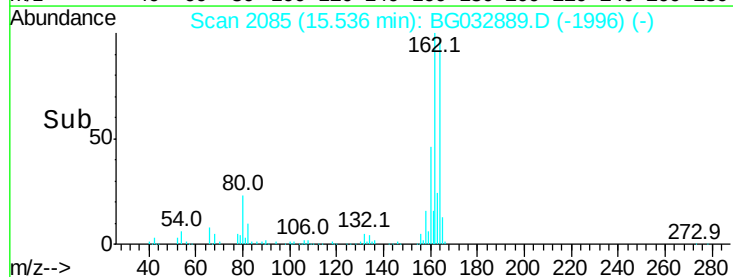
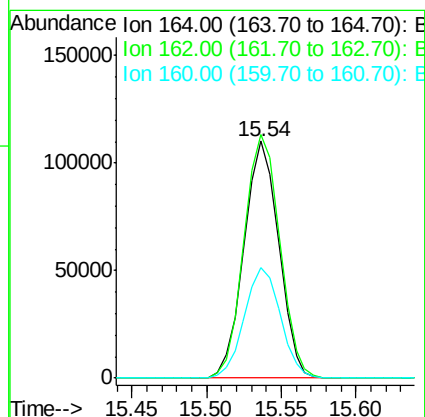
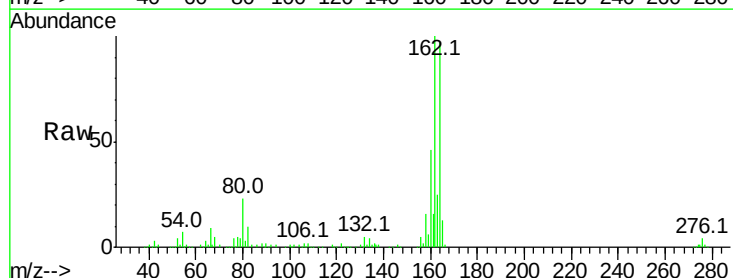
Instrument :  
BNA\_G  
ClientSampleId :

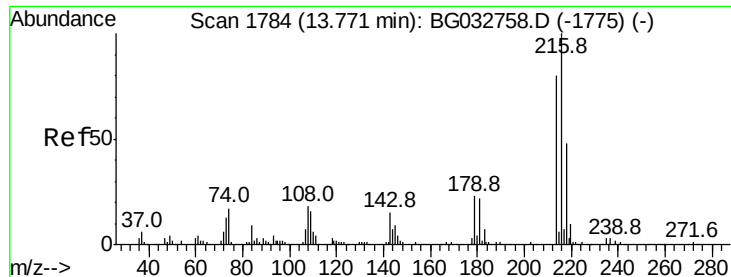
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.0  | 67.1  | 100.7 |
| 115     | 34.0  | 30.7  | 46.1  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2085  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.8 | 78.8  | 118.2 |
| 160     | 46.9  | 35.4  | 53.0  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.585 ng

RT: 13.76 min Scan# 1782

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 198361

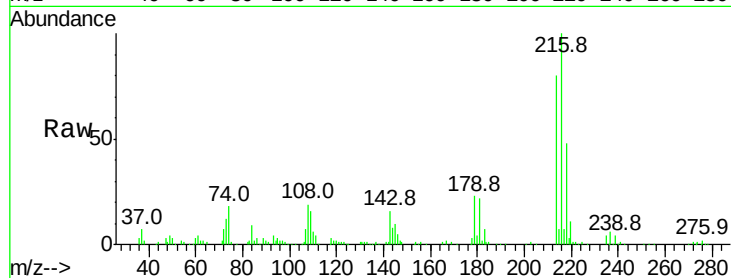
Ion Ratio Lower Upper

216 100

214 79.6 63.0 94.4

179 22.9 17.0 25.6

108 20.8 12.8 19.2#

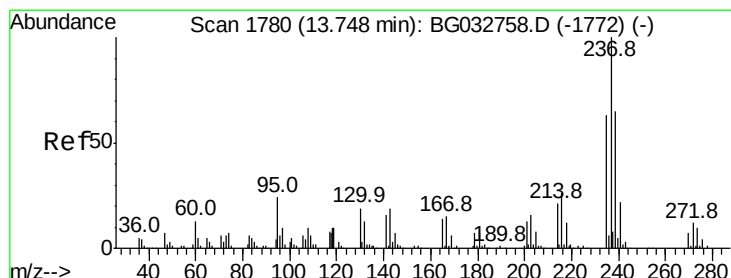
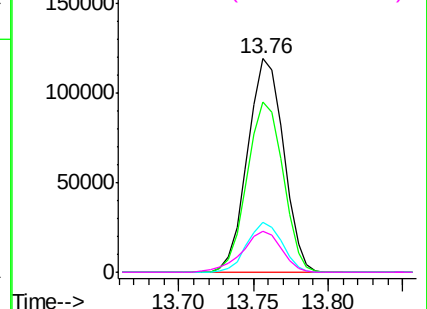
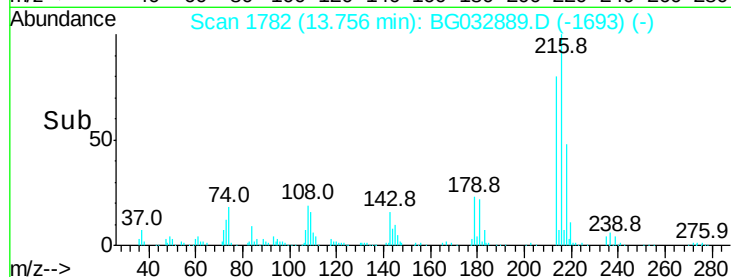


Abundance Ion 216.00 (215.70 to 216.70): E

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: 40.643 ng

RT: 13.73 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

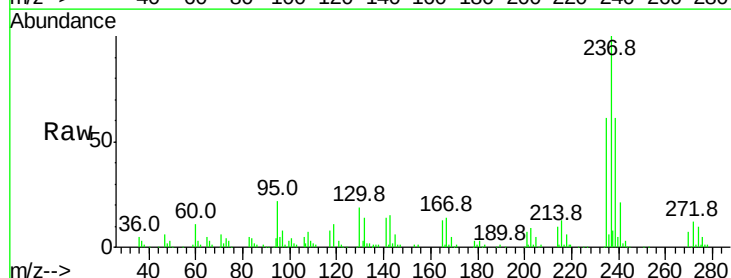
Tgt Ion:237 Resp: 109317

Ion Ratio Lower Upper

237 100

235 61.1 50.4 90.4

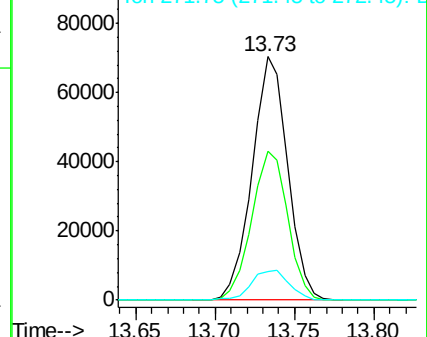
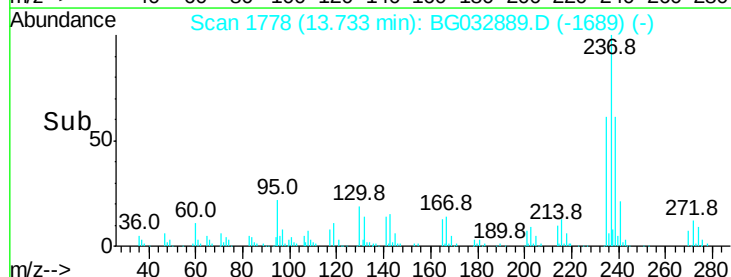
272 11.8 0.0 31.8



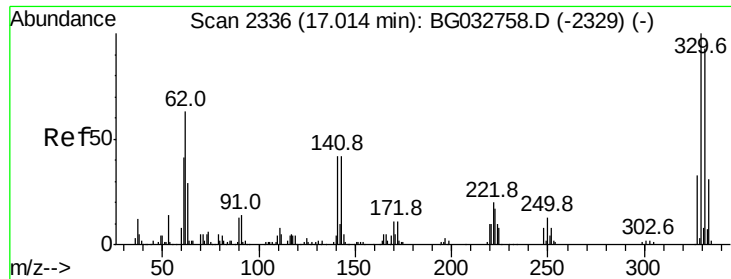
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



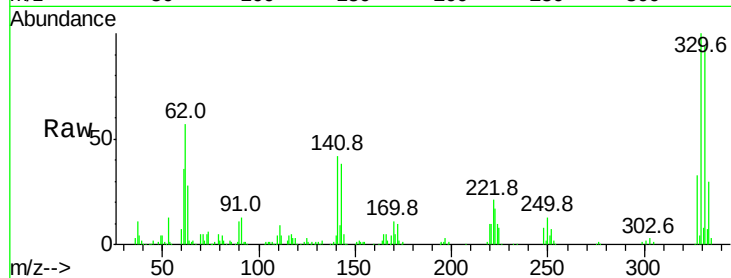




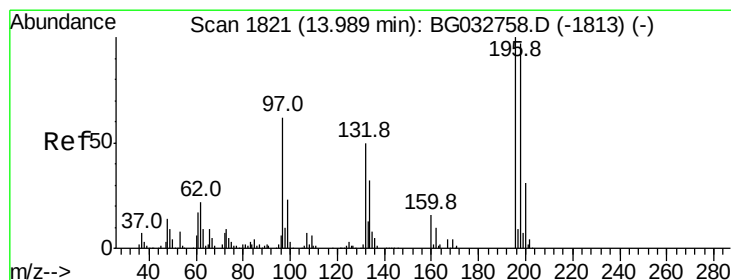
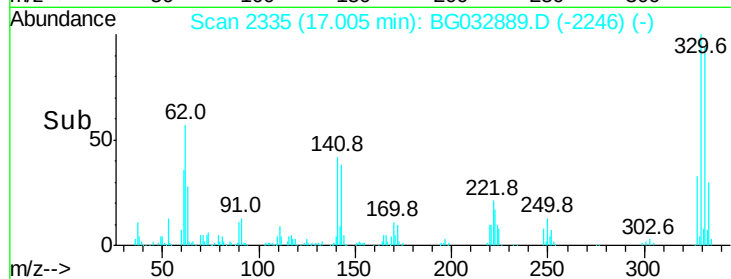
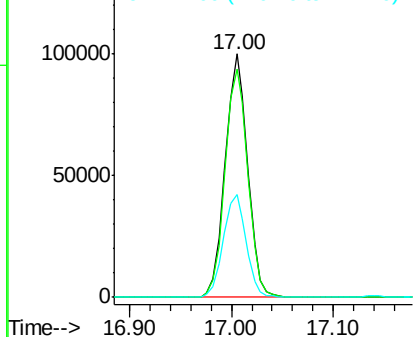
#41  
 2,4,6-Tribromophenol  
 Concen: 81.801 ng  
 RT: 17.00 min Scan# 2335  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:330 Resp: 152917  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.0 115.6  
 141 43.0 25.2 37.8#

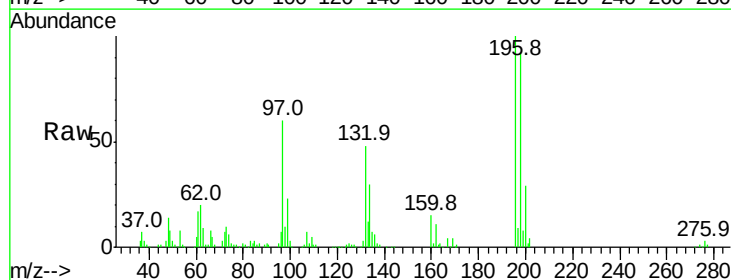


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

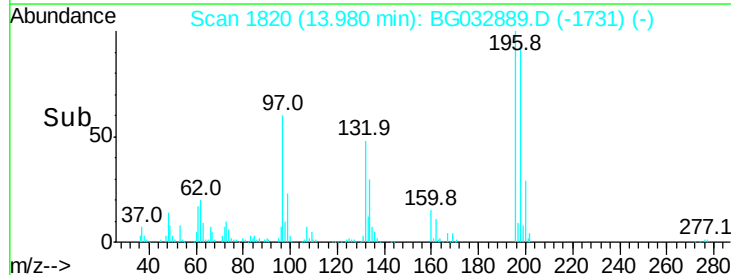
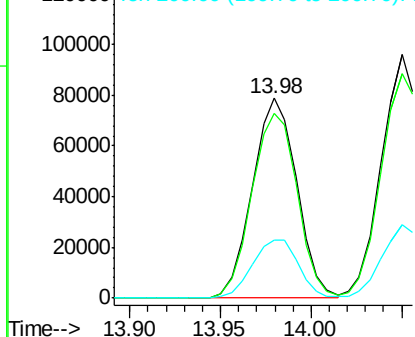


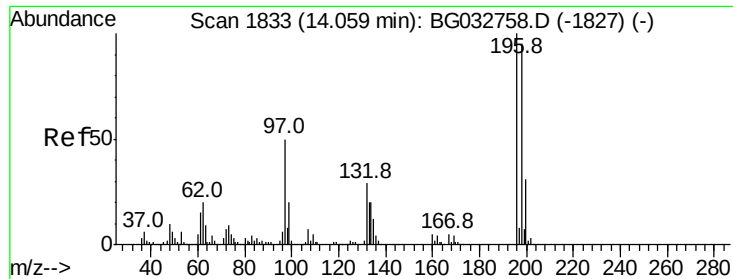
#42  
 2,4,6-Trichlorophenol  
 Concen: 40.220 ng  
 RT: 13.98 min Scan# 1820  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion:196 Resp: 133863  
 Ion Ratio Lower Upper  
 196 100  
 198 92.2 78.2 117.2  
 200 29.0 24.6 36.8



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

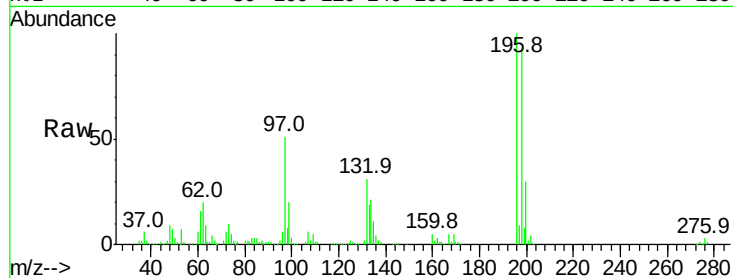




#43  
 2,4,5-Trichlorophenol  
 Concen: 40.569 ng  
 RT: 14.05 min Scan# 1832  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 92.4  | 76.2  | 114.4 |
| 97      | 51.2  | 38.7  | 58.1  |
| 132     | 30.6  | 20.2  | 30.2# |



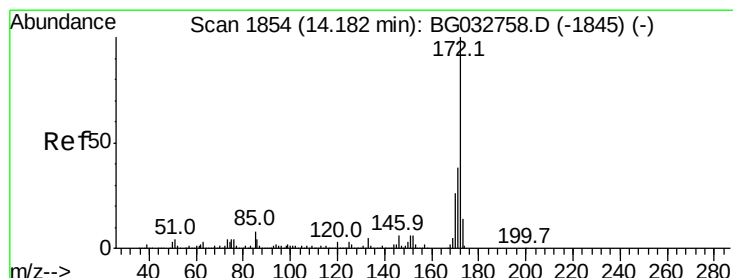
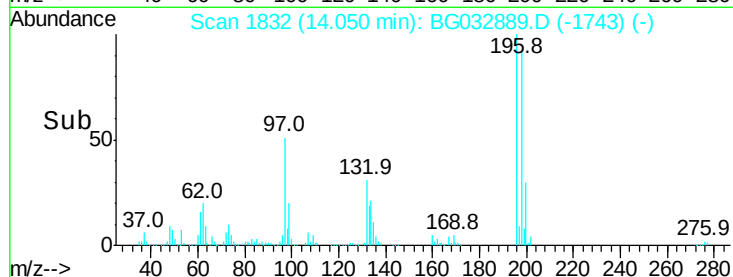
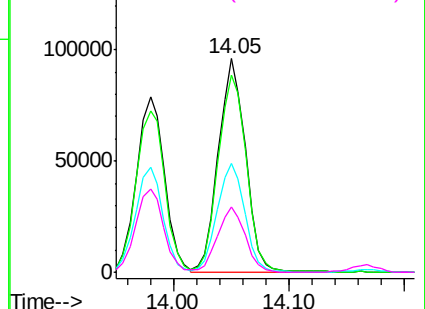
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

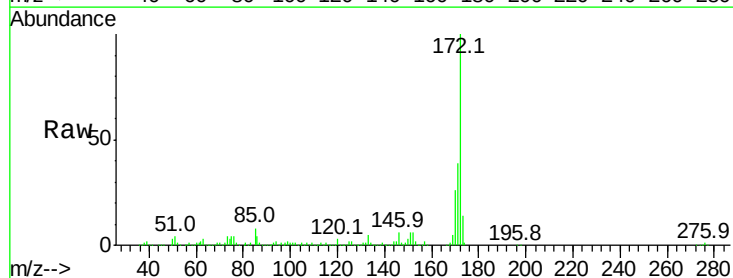
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 74.823 ng  
 RT: 14.17 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 30.0  | 45.0  |
| 170     | 26.3  | 19.5  | 29.3  |

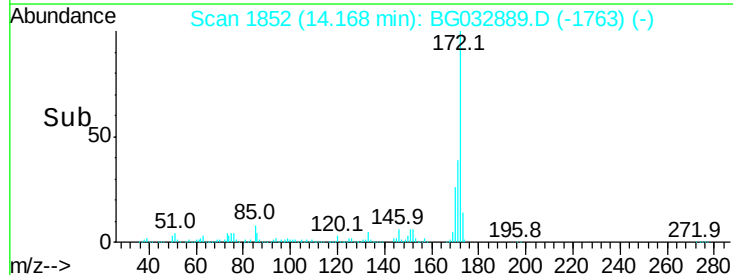
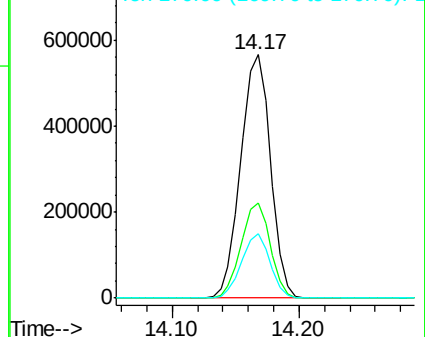


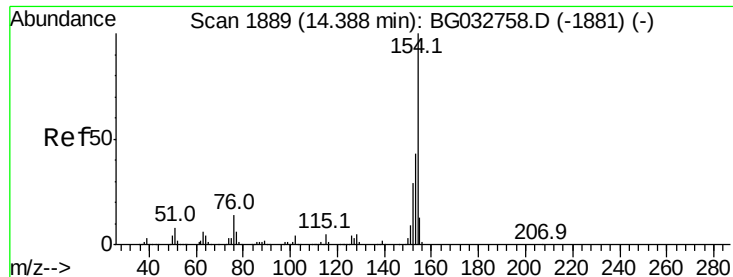
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

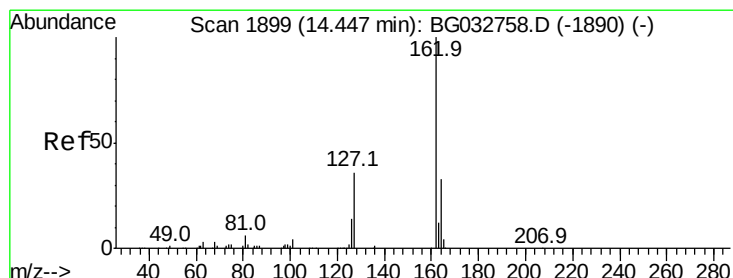
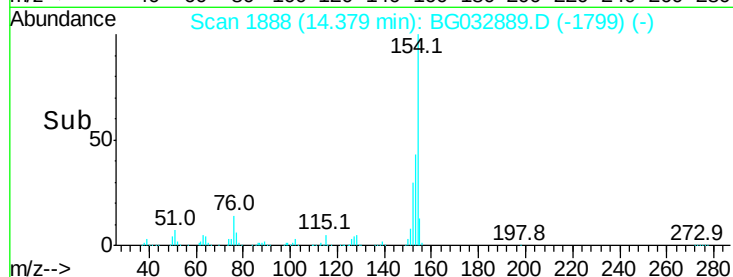
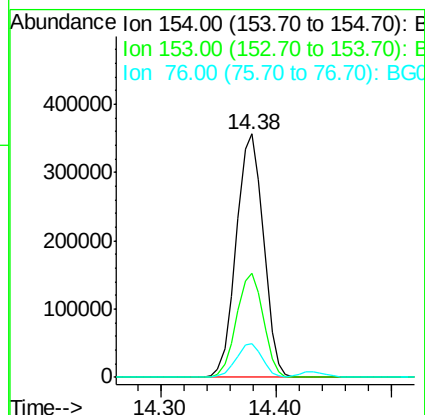
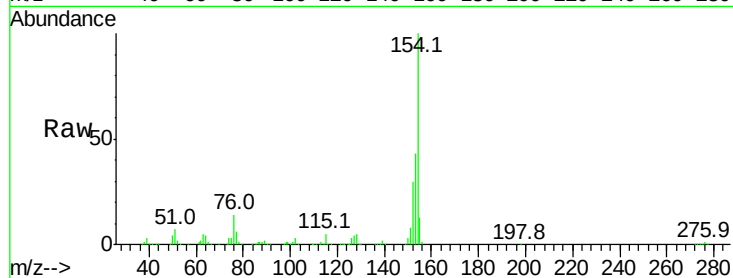




#45  
 1,1'-Biphenyl  
 Concen: 37.429 ng  
 RT: 14.38 min Scan# 1888  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

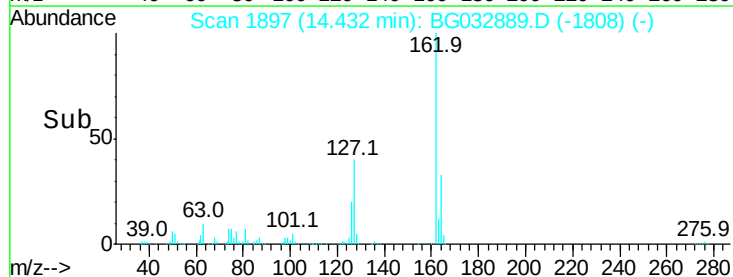
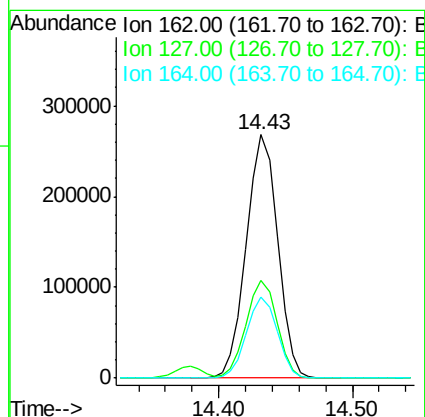
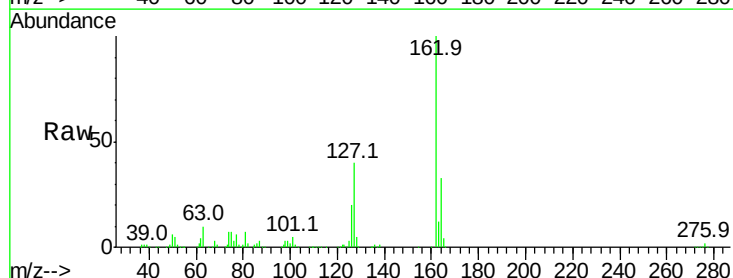
Instrument :  
 BNA\_G  
 ClientSampleId :

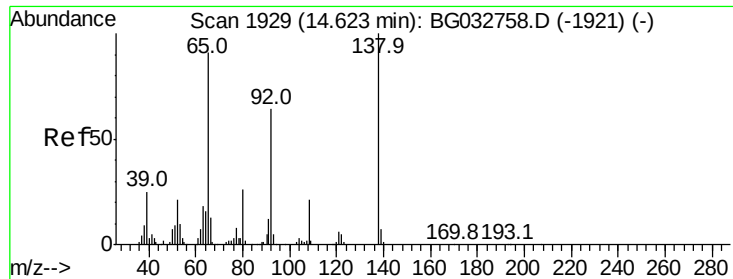
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.0  | 19.8  | 59.8  |
| 76      | 13.9  | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 37.506 ng  
 RT: 14.43 min Scan# 1897  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.1  | 30.7  | 46.1  |
| 164     | 33.2  | 26.0  | 39.0  |

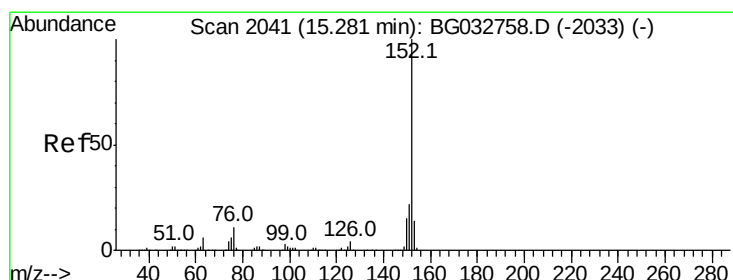
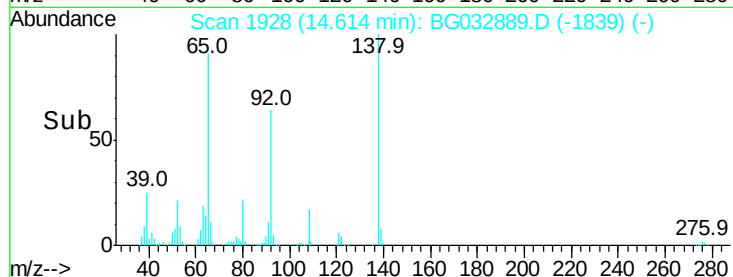
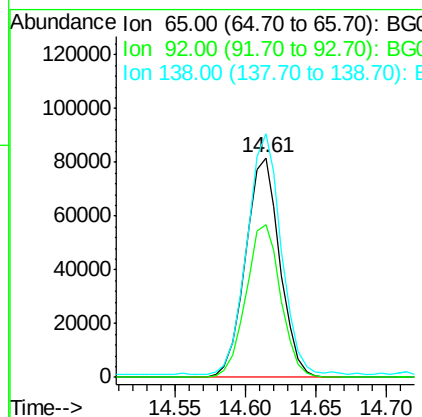
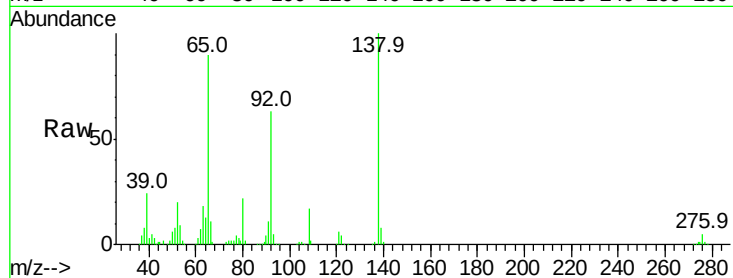




#47  
2-Nitroaniline  
Concen: 47.579 ng  
RT: 14.61 min Scan# 1928  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

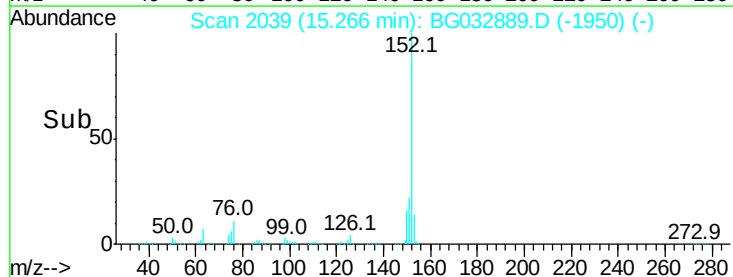
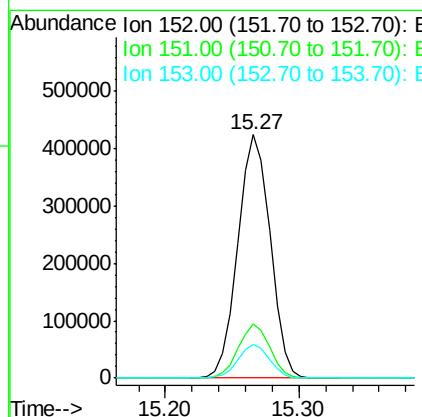
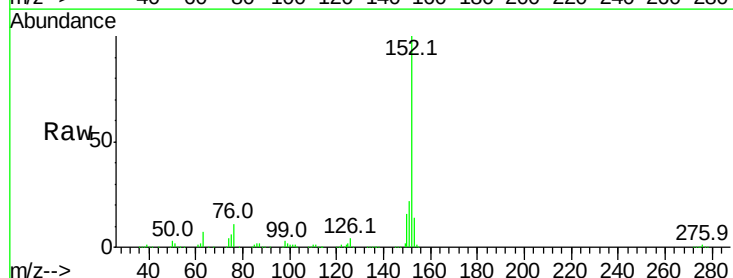
Instrument :  
BNA\_G  
ClientSampleId :

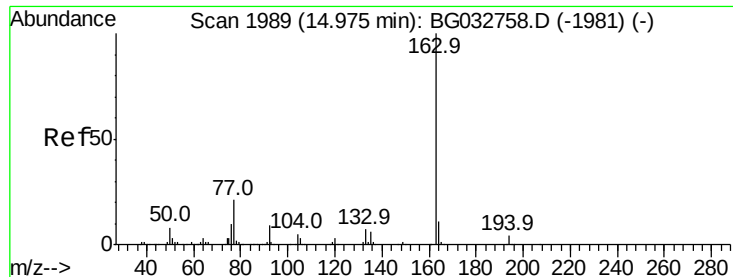
Tot Ion: 65 Resp: 138936  
Ion Ratio Lower Upper  
65 100  
92 69.8 54.6 82.0  
138 111.0 72.9 109.3#



#48  
Acenaphthylene  
Concen: 37.390 ng  
RT: 15.27 min Scan# 2039  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:152 Resp: 710422  
Ion Ratio Lower Upper  
152 100  
151 22.4 17.2 25.8  
153 14.0 10.2 15.4





#49

Dimethylphthalate

Concen: 36.711 ng

RT: 14.96 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

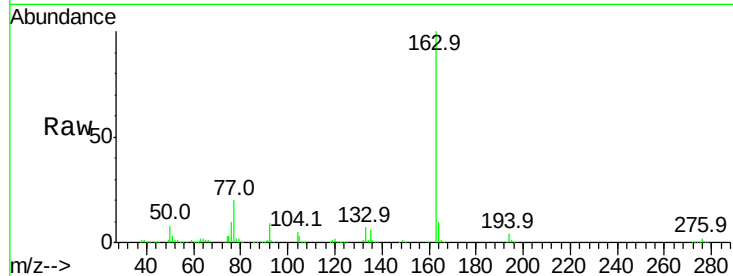
Tot Ion:163 Resp: 554187

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

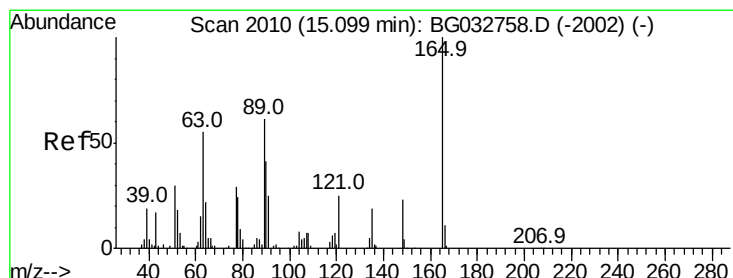
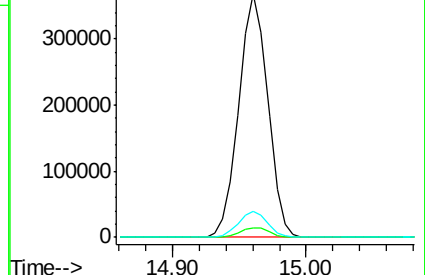
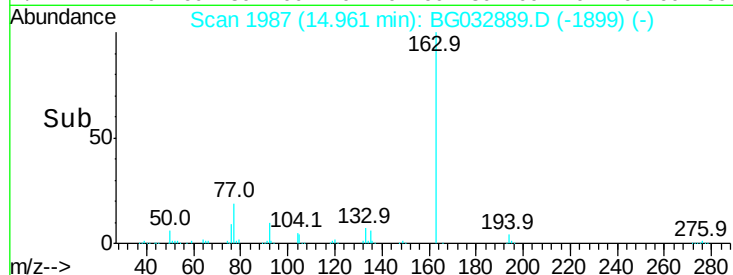
164 10.4 8.2 12.4



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: 47.219 ng

RT: 15.09 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

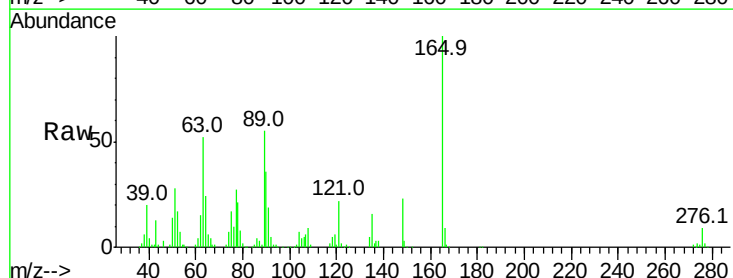
Tgt Ion:165 Resp: 117537

Ion Ratio Lower Upper

165 100

63 52.3 52.7 79.1#

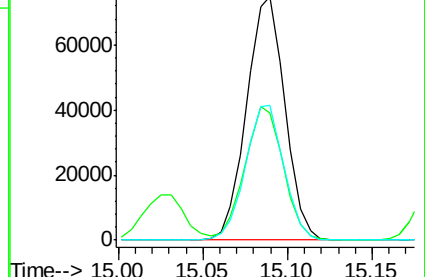
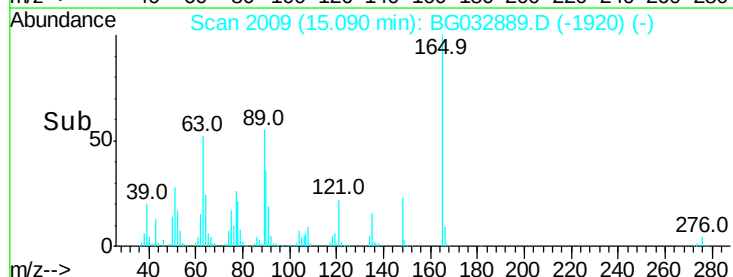
89 55.3 49.2 73.8

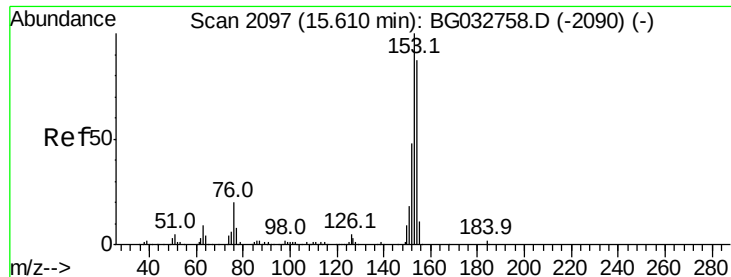


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 37.873 ng

RT: 15.60 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

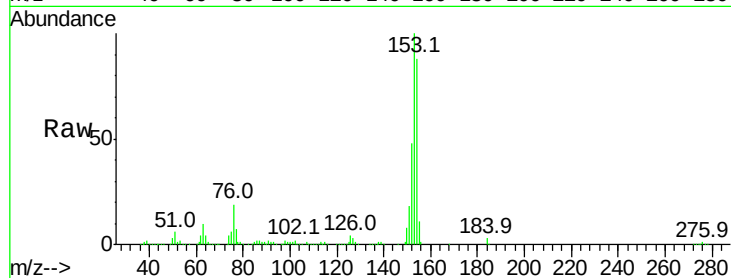
Tot Ion:154 Resp: 448155

Ion Ratio Lower Upper

154 100

153 113.1 90.4 135.6

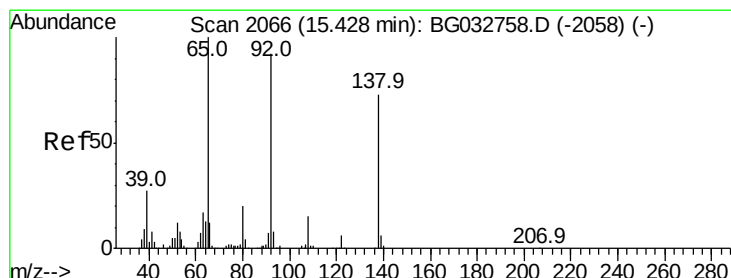
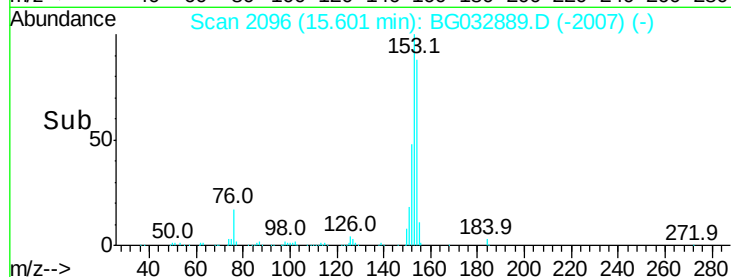
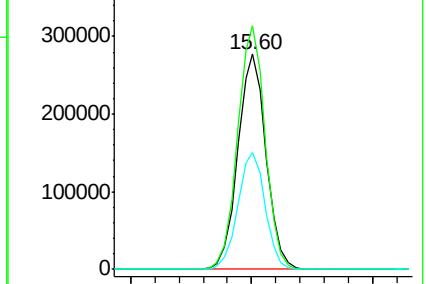
152 54.5 41.6 62.4



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: 45.665 ng

RT: 15.42 min Scan# 2065

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

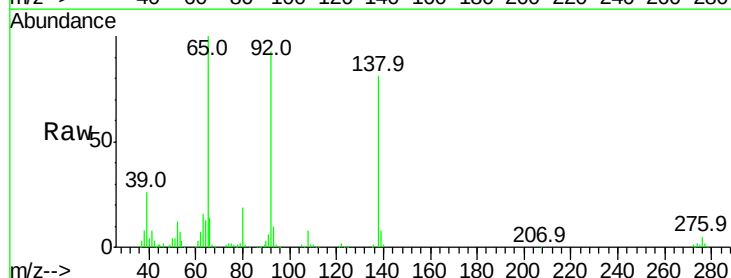
Tgt Ion:138 Resp: 139808

Ion Ratio Lower Upper

138 100

108 9.5 17.5 26.3#

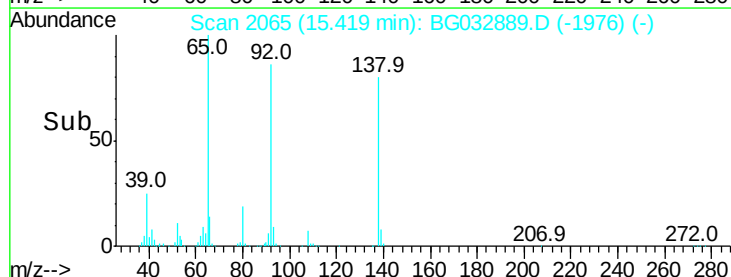
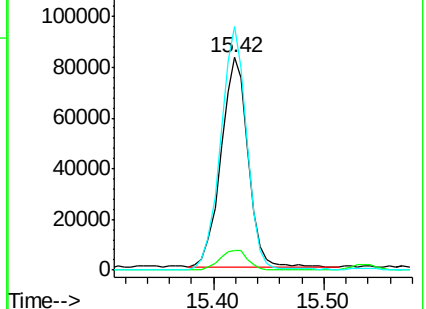
92 114.4 105.8 158.8

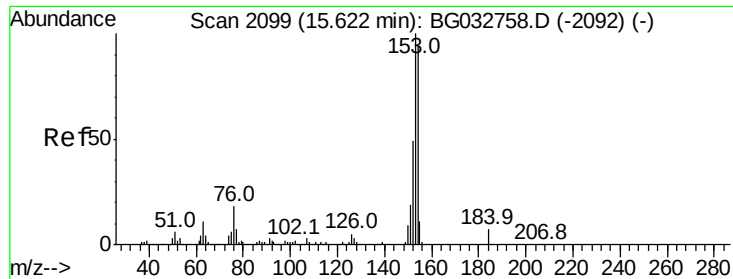


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

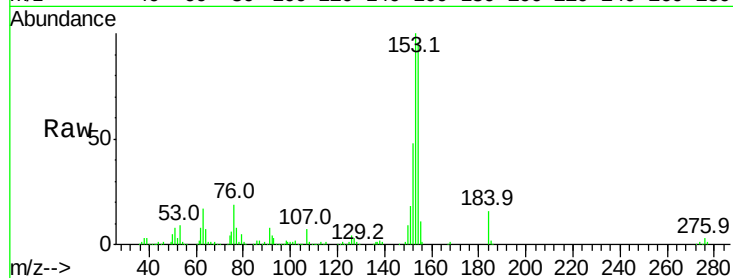




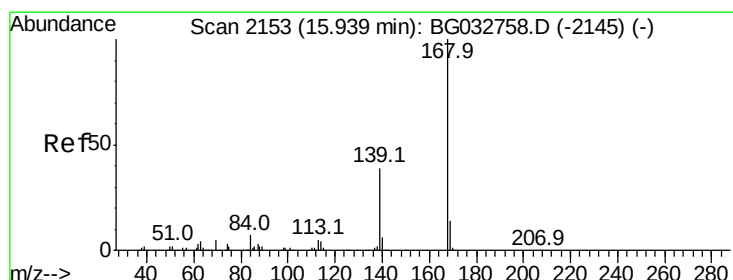
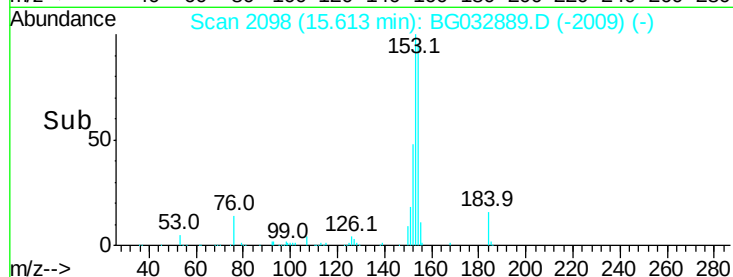
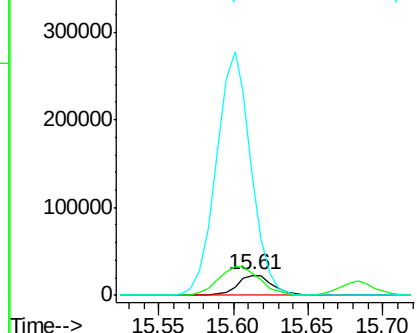
#53  
2,4-Dinitrophenol  
Concen: 54.951 ng  
RT: 15.61 min Scan# 2098  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 37874  
Ion Ratio Lower Upper  
184 100  
63 110.6 59.8 89.8#  
154 608.5 101.8 152.8#

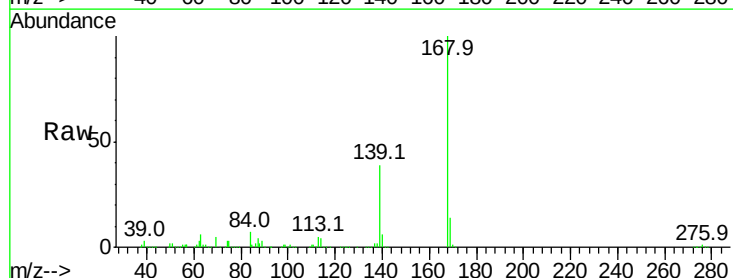


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

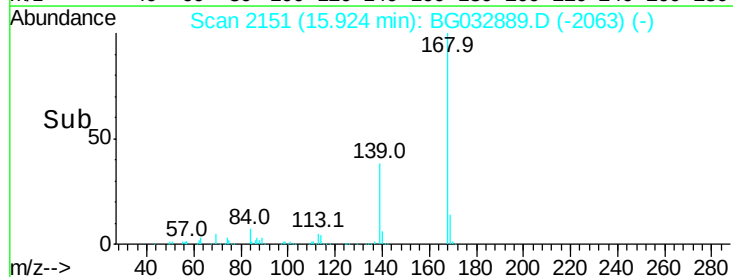
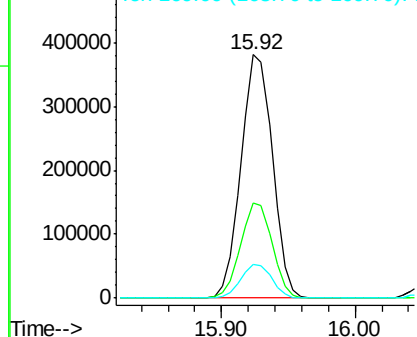


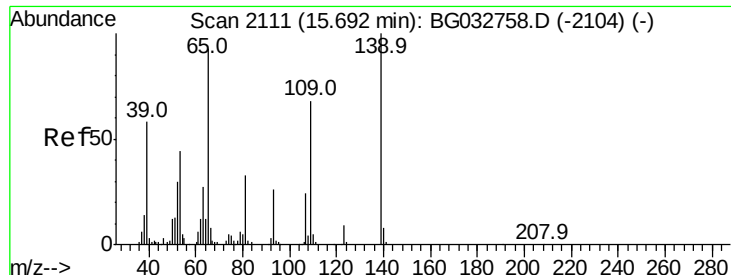
#54  
Dibenzofuran  
Concen: 36.827 ng  
RT: 15.92 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:168 Resp: 620497  
Ion Ratio Lower Upper  
168 100  
139 39.1 28.6 43.0  
169 13.7 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

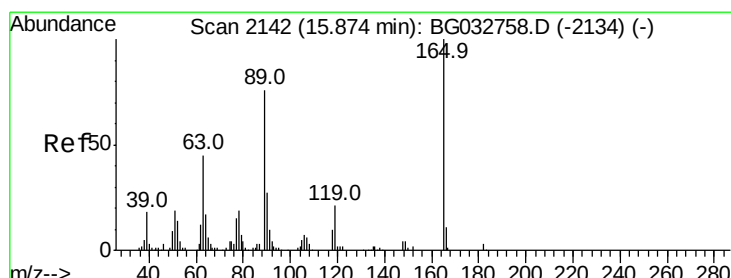
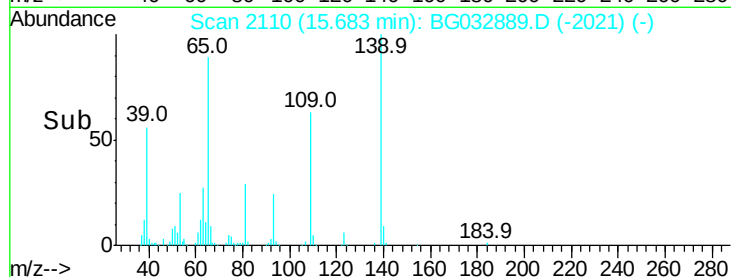
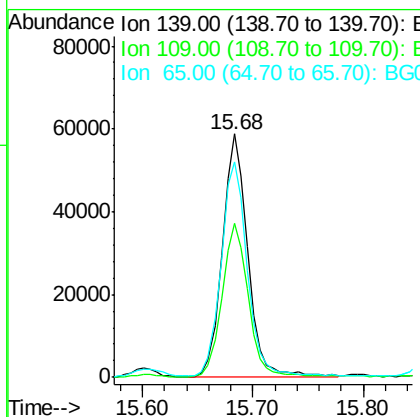
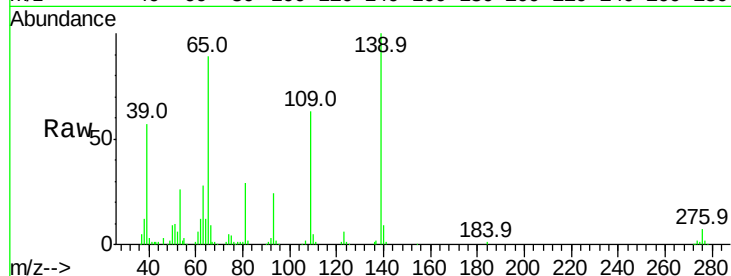




#55  
4-Nitrophenol  
Concen: 42.107 ng  
RT: 15.68 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

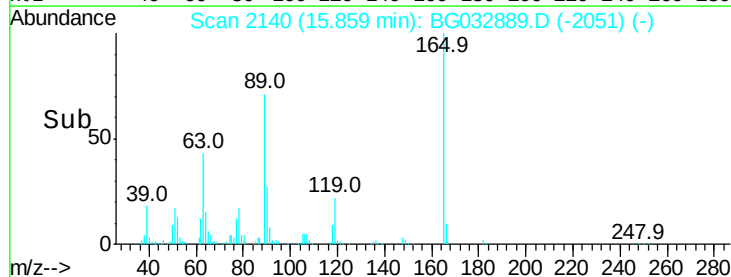
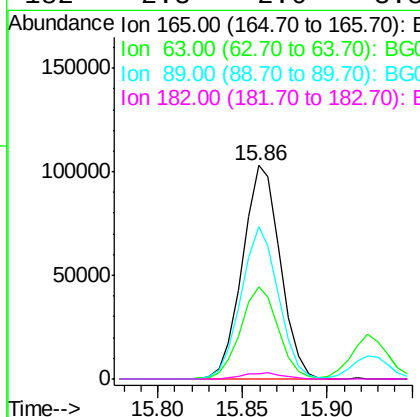
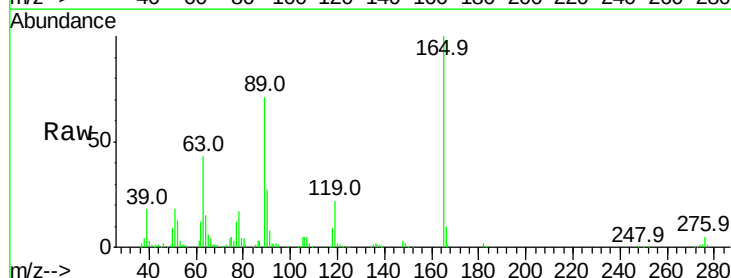
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:139 Resp: 94994  
Ion Ratio Lower Upper  
139 100  
109 63.3 62.2 102.2  
65 88.5 97.2 137.2#

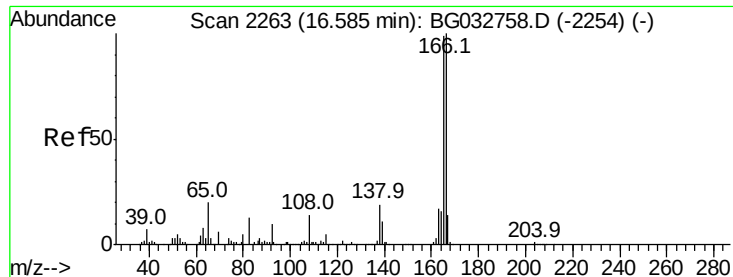


#56  
2,4-Dinitrotoluene  
Concen: 53.277 ng  
RT: 15.86 min Scan# 2140  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:165 Resp: 159903  
Ion Ratio Lower Upper  
165 100  
63 43.5 42.0 63.0  
89 71.1 66.9 100.3  
182 2.3 2.6 3.8#







#57

Fluorene

Concen: 36.681 ng

RT: 16.57 min Scan# 2261

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampled :

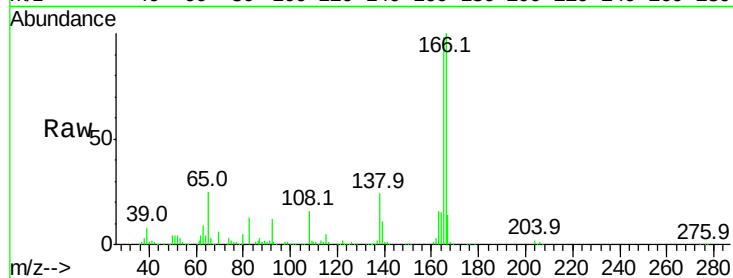
Tot Ion:166 Resp: 510113

Ion Ratio Lower Upper

166 100

165 98.2 80.6 121.0

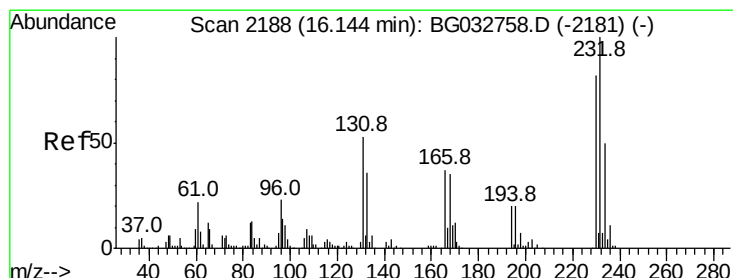
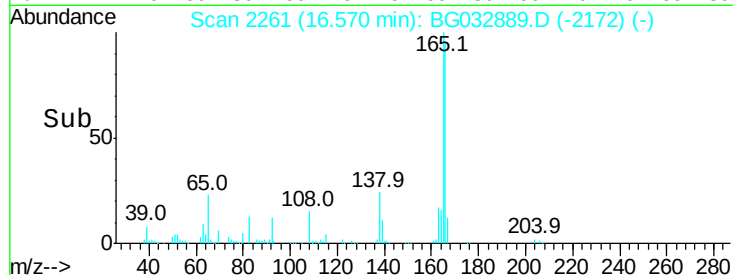
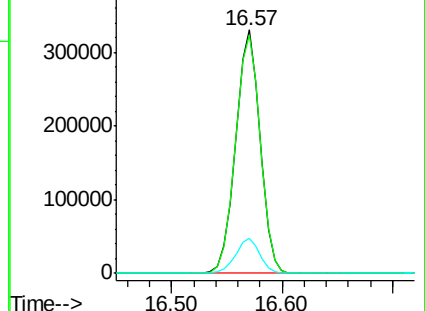
167 14.3 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.577 ng

RT: 16.05 min Scan# 2173

Delta R.T. -0.09 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Tgt Ion:232 Resp: 124346

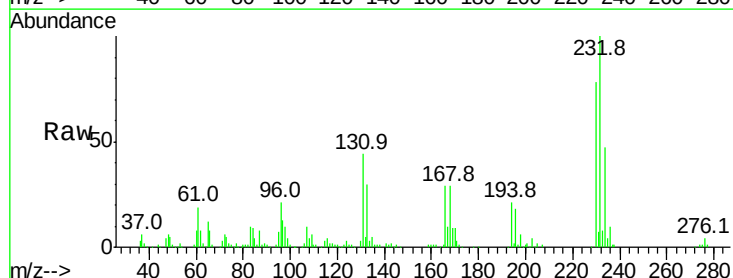
Ion Ratio Lower Upper

232 100

131 44.8 33.5 50.3

130 2.9 2.2 3.2

166 28.0 24.8 37.2

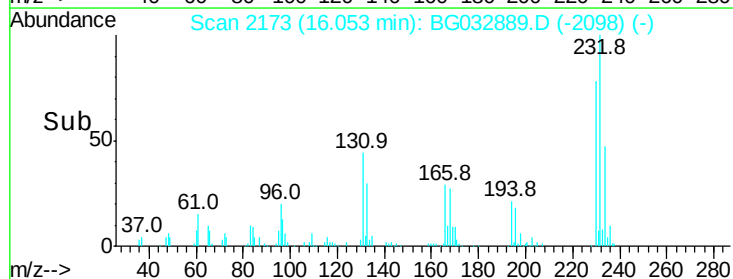
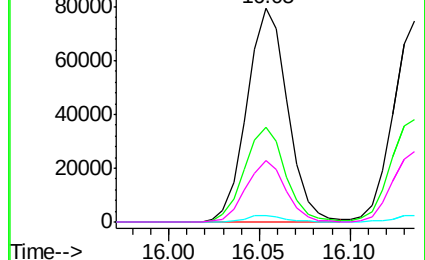


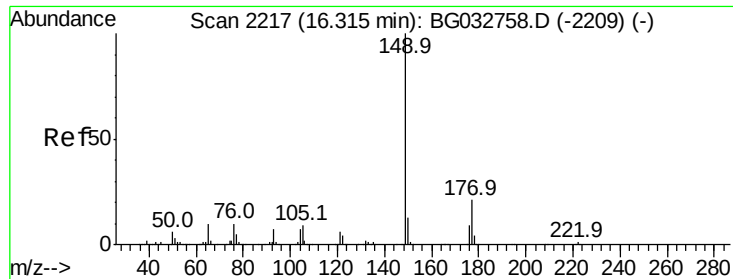
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

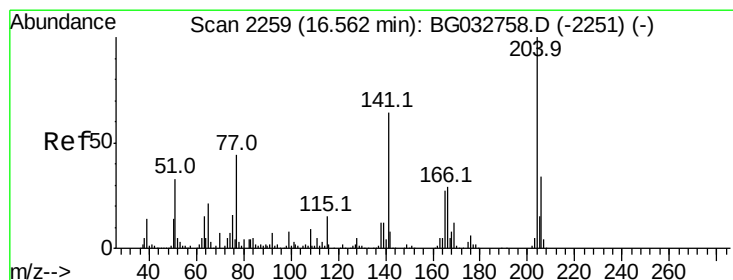
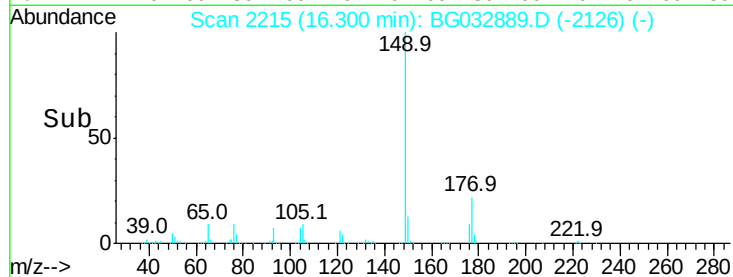
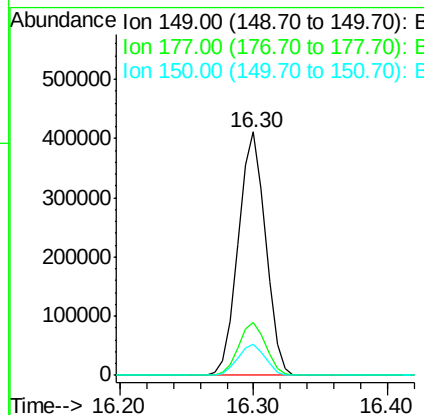
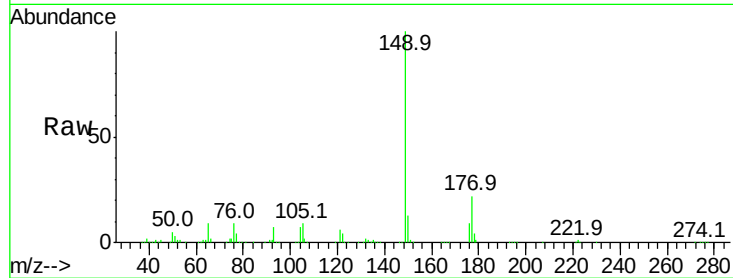




#59  
Diethylphthalate  
Concen: 36.637 ng  
RT: 16.30 min Scan# 2215  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

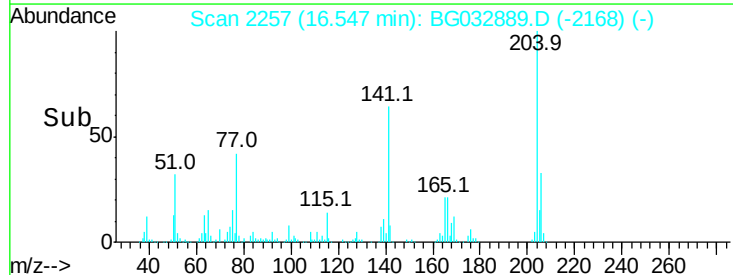
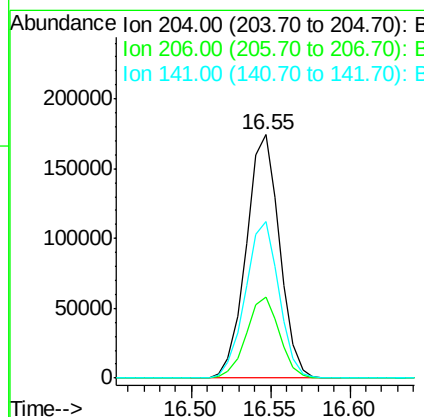
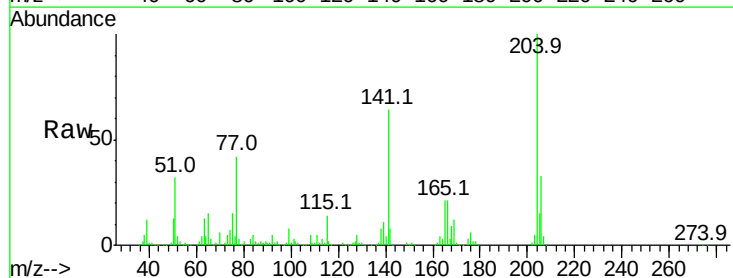
Instrument :  
BNA\_G  
ClientSampled :

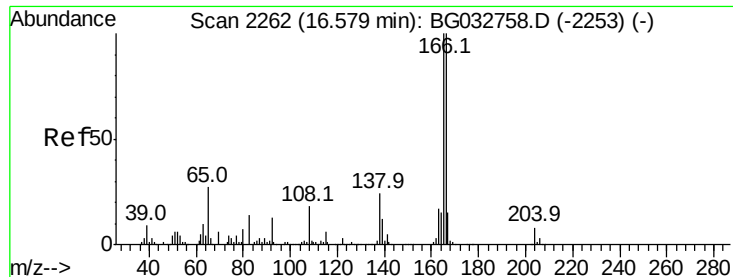
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.0  | 18.5  | 27.7  |
| 150     | 12.9  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 37.237 ng  
RT: 16.55 min Scan# 2257  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.3  | 26.2  | 39.2  |
| 141     | 64.2  | 45.8  | 68.6  |

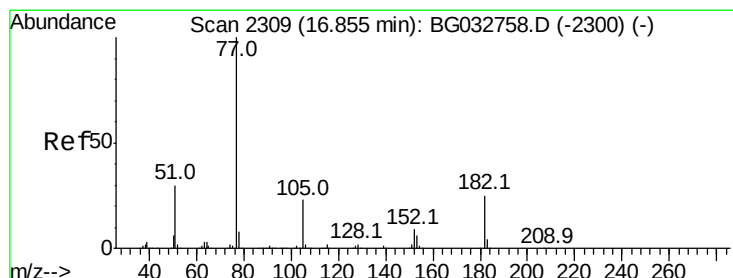
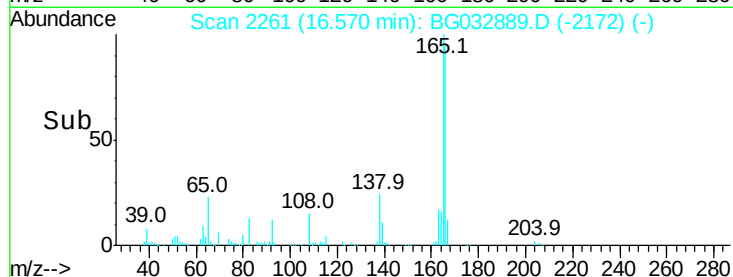
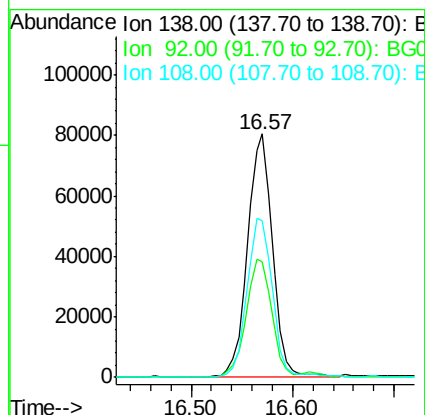
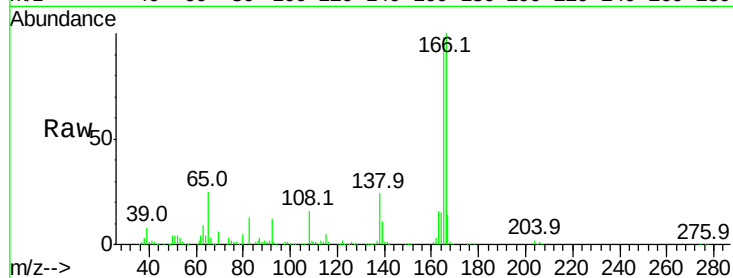




#61  
4-Nitroaniline  
Concen: 42.499 ng  
RT: 16.57 min Scan# 2261  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

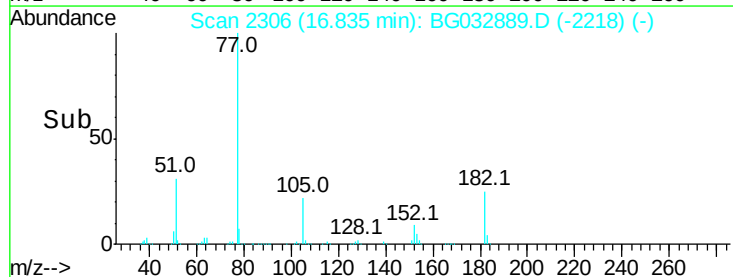
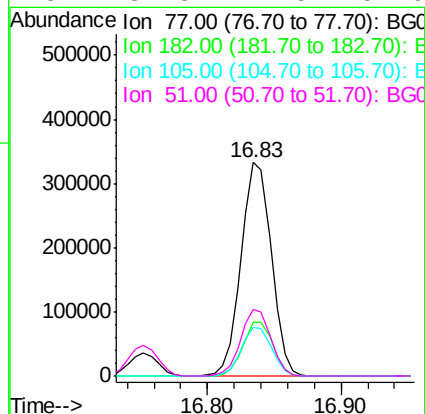
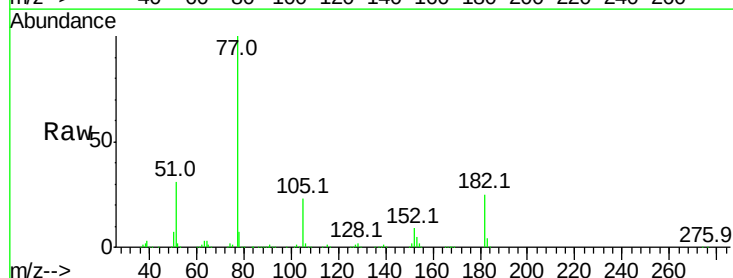
Instrument :  
BNA\_G  
ClientSampleId :

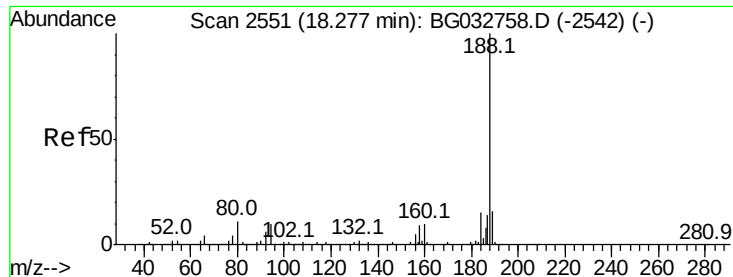
Tot Ion:138 Resp: 136658  
Ion Ratio Lower Upper  
138 100  
92 47.6 40.1 80.1  
108 64.1 65.4 105.4#



#62  
Azobenzene  
Concen: 36.678 ng  
RT: 16.83 min Scan# 2306  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion: 77 Resp: 522451  
Ion Ratio Lower Upper  
77 100  
182 25.0 7.4 47.4  
105 22.8 0.3 40.3  
51 31.3 11.6 51.6

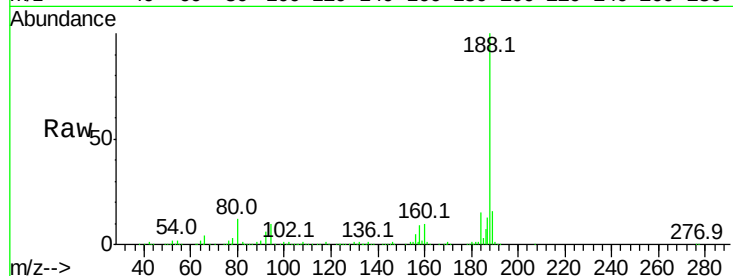




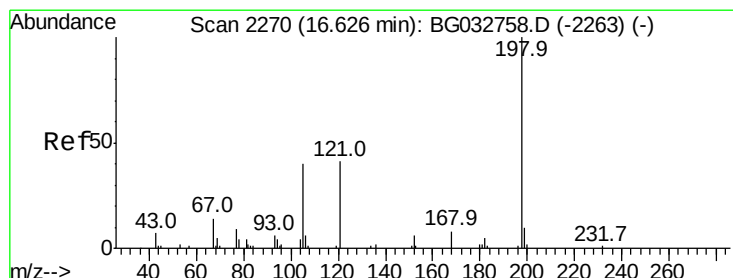
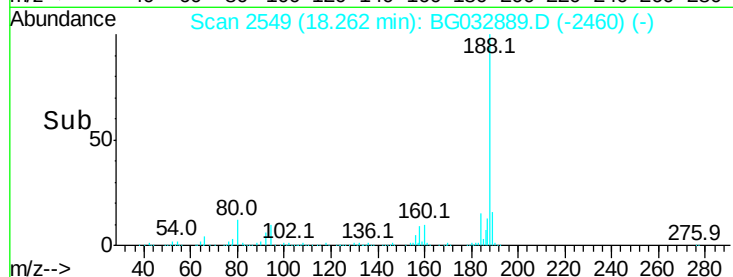
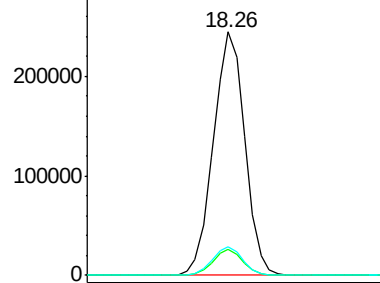
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.26 min Scan# 2549  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 380699  
Ion Ratio Lower Upper  
188 100  
94 10.4 6.9 10.3#  
80 11.8 7.7 11.5#

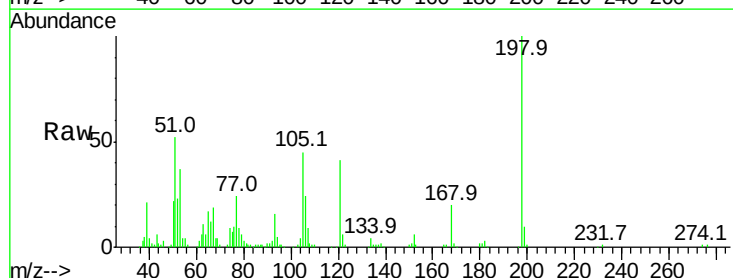


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

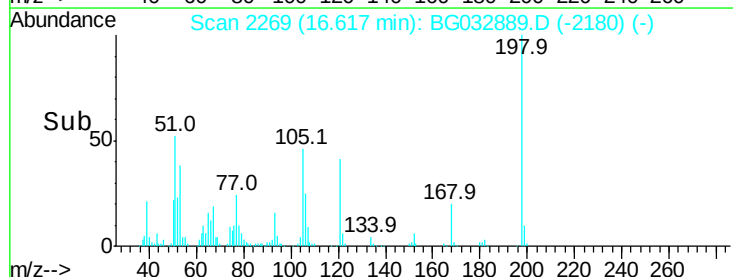
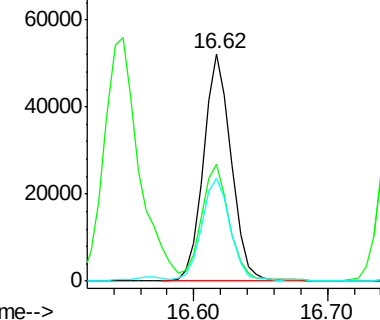


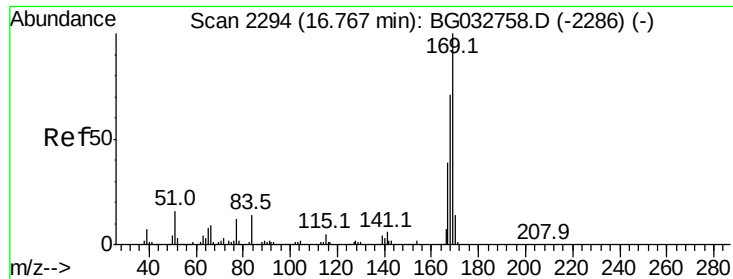
#64  
4,6-Dinitro-2-methylphenol  
Concen: 61.345 ng  
RT: 16.62 min Scan# 2269  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:198 Resp: 75668  
Ion Ratio Lower Upper  
198 100  
51 51.7 30.6 70.6  
105 45.4 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: 37.917 ng

RT: 16.75 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

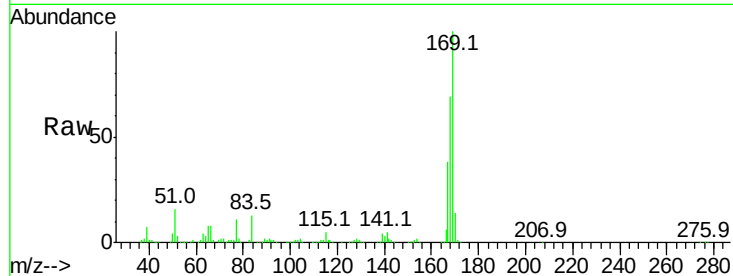
Tot Ion:169 Resp: 469585

Ion Ratio Lower Upper

169 100

168 69.2 55.7 83.5

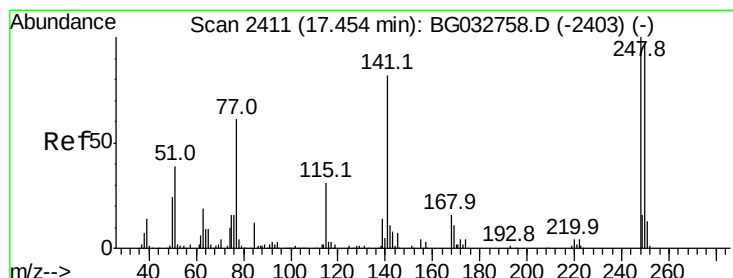
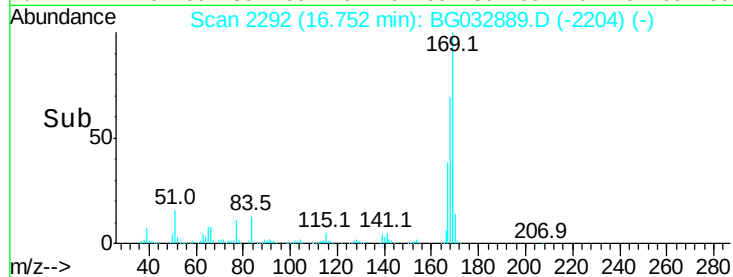
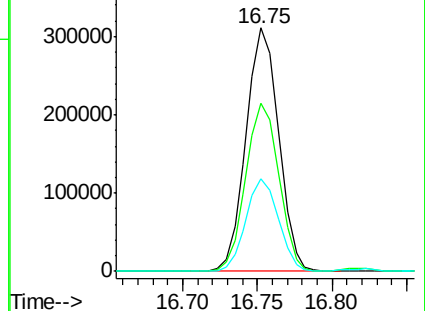
167 38.1 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 37.392 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

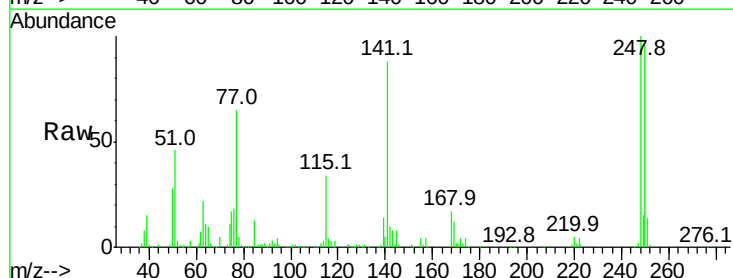
Tgt Ion:248 Resp: 150521

Ion Ratio Lower Upper

248 100

250 96.4 77.1 115.7

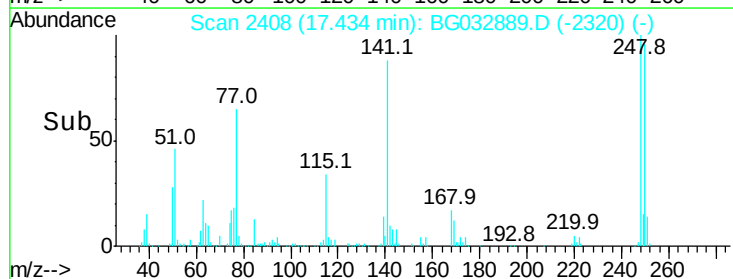
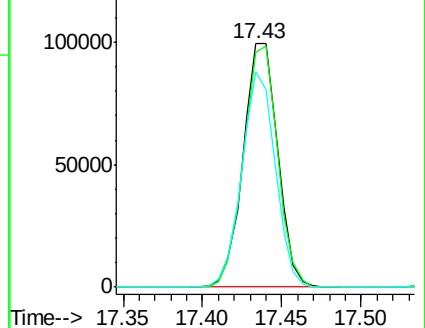
141 88.4 50.8 76.2#

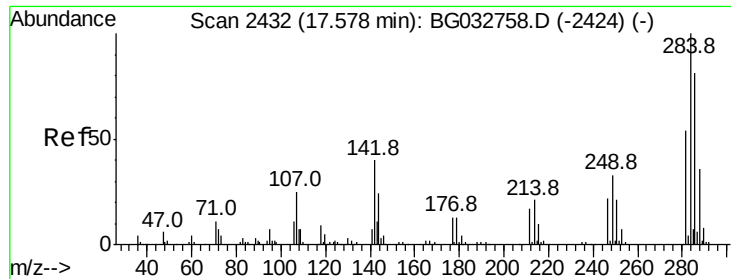


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

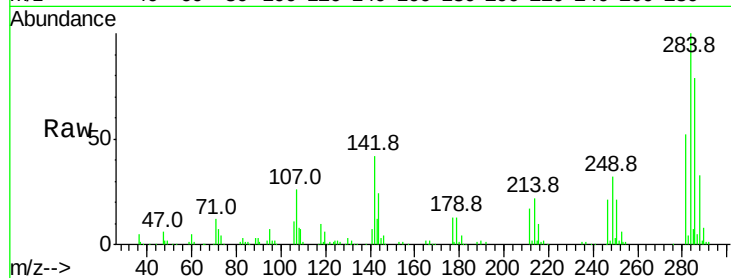




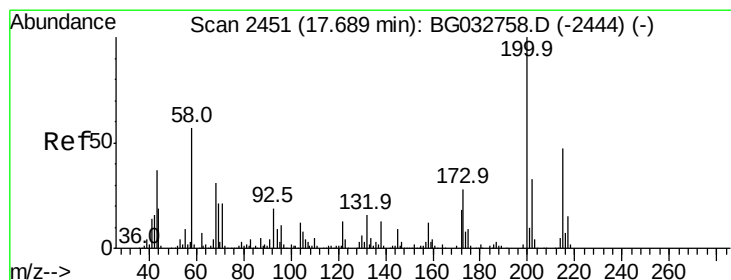
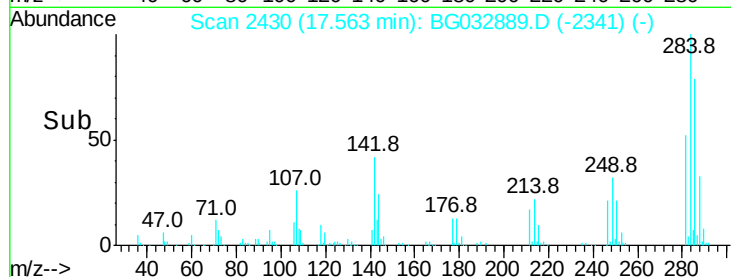
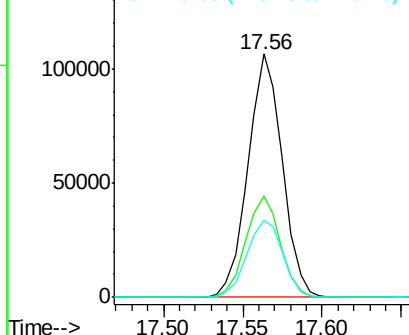
#67  
Hexachlorobenzene  
Concen: 36.722 ng  
RT: 17.56 min Scan# 2430  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 159745  
Ion Ratio Lower Upper  
284 100  
142 42.0 26.8 40.2#  
249 31.8 26.3 39.5

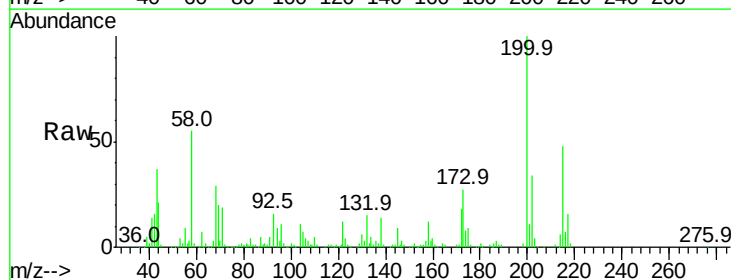


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

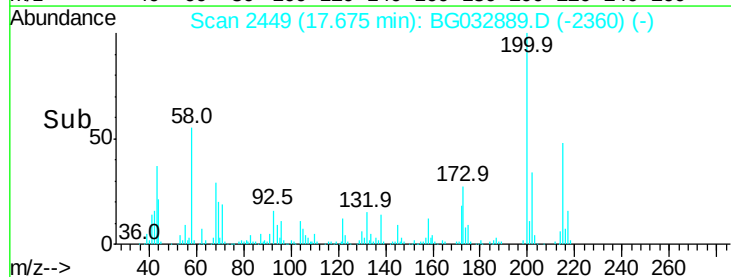
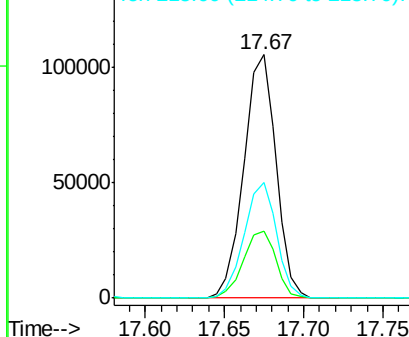


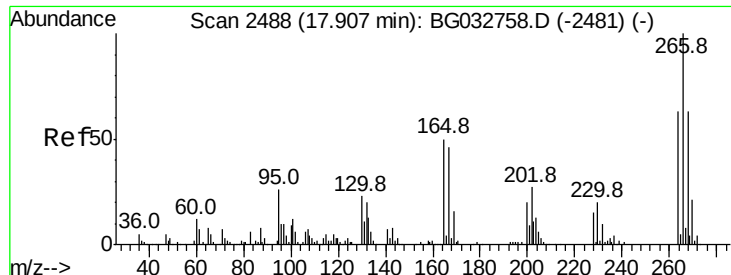
#68  
Atrazine  
Concen: 36.511 ng  
RT: 17.67 min Scan# 2449  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:200 Resp: 148840  
Ion Ratio Lower Upper  
200 100  
173 27.4 5.2 45.2  
215 47.7 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

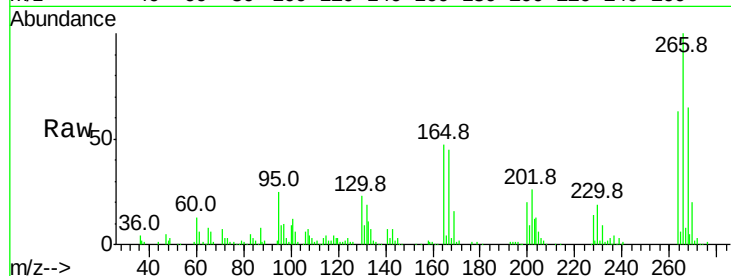




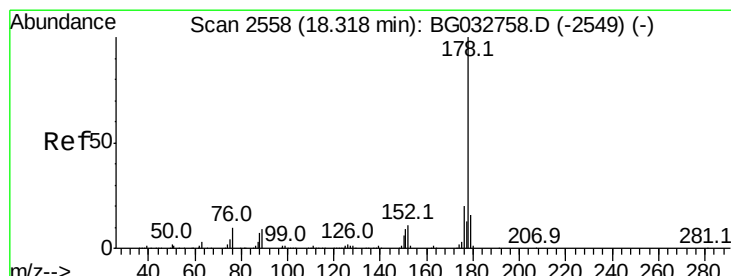
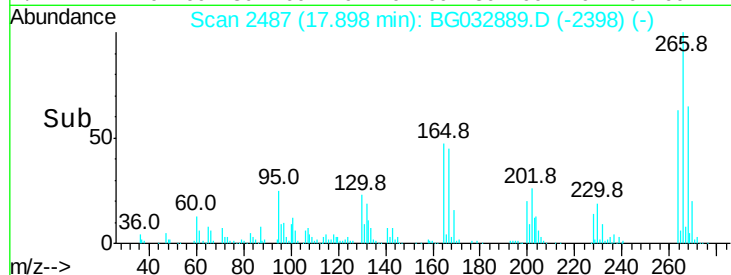
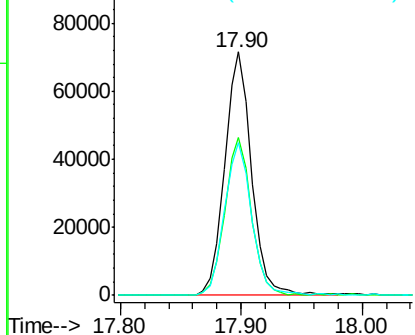
#69  
 Pentachlorophenol  
 Concen: 40.000 ng  
 RT: 17.90 min Scan# 2487  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.9  | 51.1  | 76.7  |
| 264     | 62.6  | 49.6  | 74.4  |

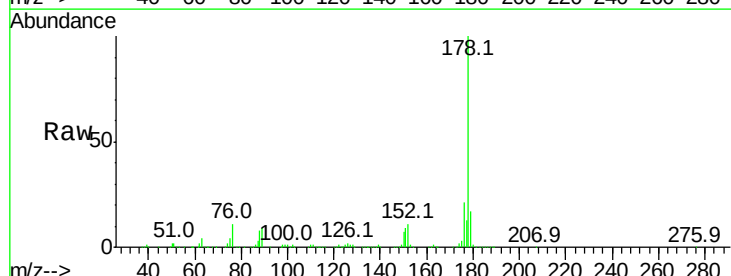


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

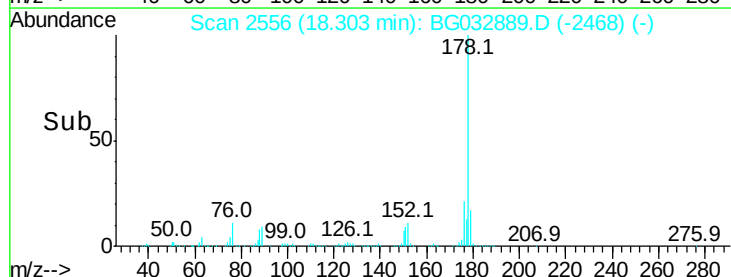
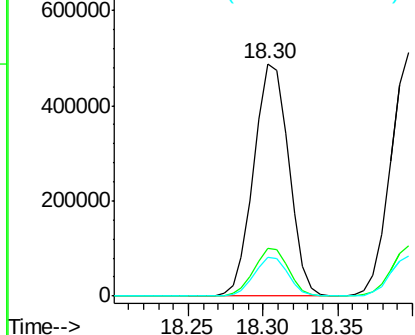


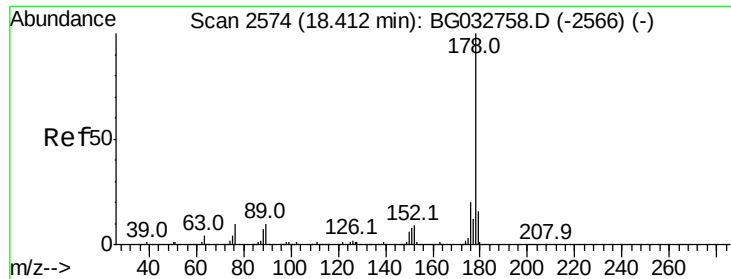
#70  
 Phenanthrene  
 Concen: 37.200 ng  
 RT: 18.30 min Scan# 2556  
 Delta R.T. -0.01 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.6  | 15.7  | 23.5  |
| 179     | 16.7  | 12.5  | 18.7  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

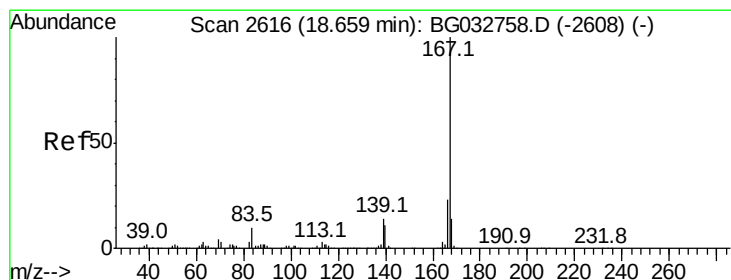
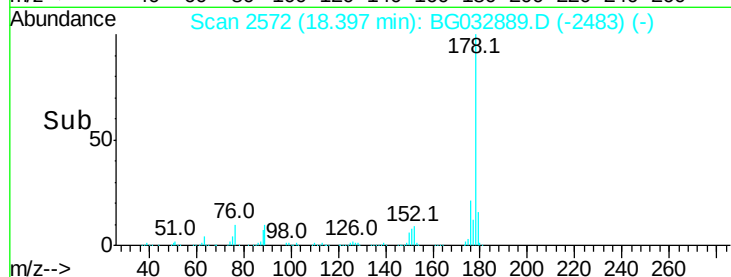
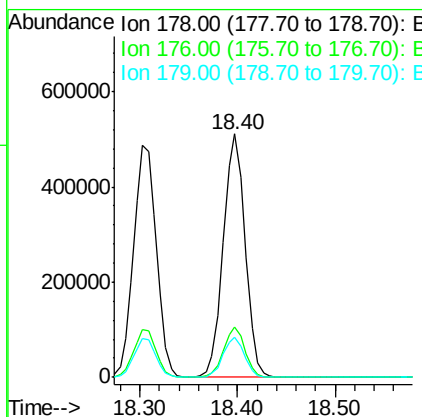
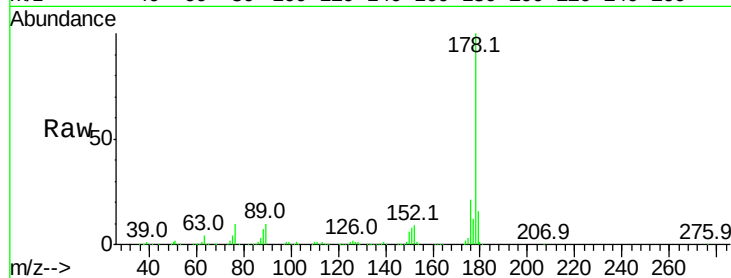




#71  
 Anthracene  
 Concen: 37.169 ng  
 RT: 18.40 min Scan# 2572  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

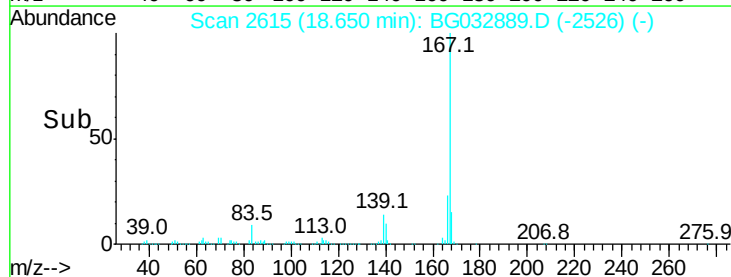
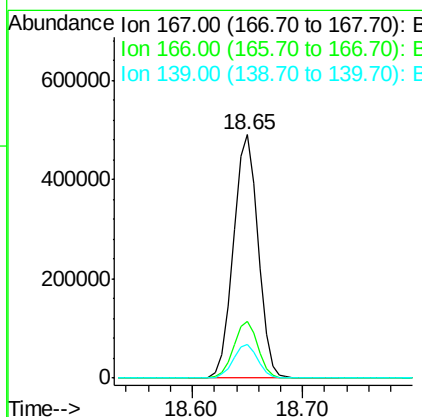
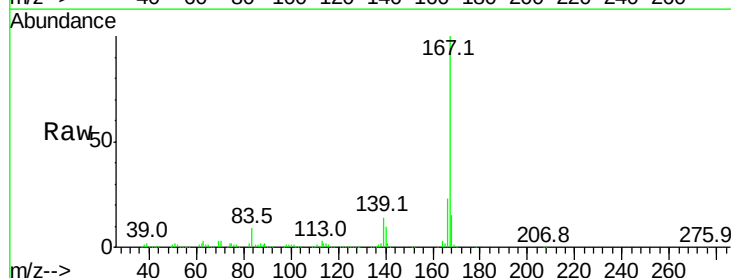
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:178 Resp: 792563  
 Ion Ratio Lower Upper  
 178 100  
 176 20.5 16.0 24.0  
 179 16.2 12.5 18.7

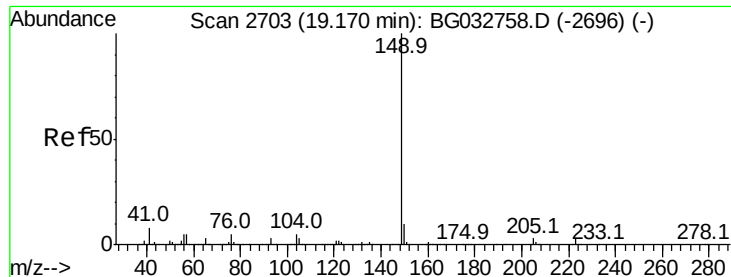


#72  
 Carbazole  
 Concen: 36.645 ng  
 RT: 18.65 min Scan# 2615  
 Delta R.T. -0.00 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion:167 Resp: 770187  
 Ion Ratio Lower Upper  
 167 100  
 166 23.3 18.2 27.4  
 139 13.9 9.4 14.2







#73

Di-n-butylphthalate

Concen: 38.084 ng

RT: 19.15 min Scan# 2700

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

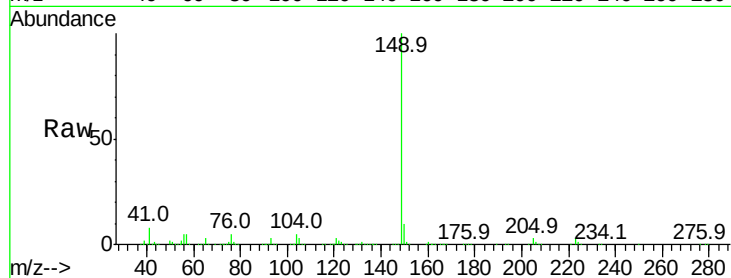
Tot Ion:149 Resp: 981959

Ion Ratio Lower Upper

149 100

150 10.2 7.8 11.6

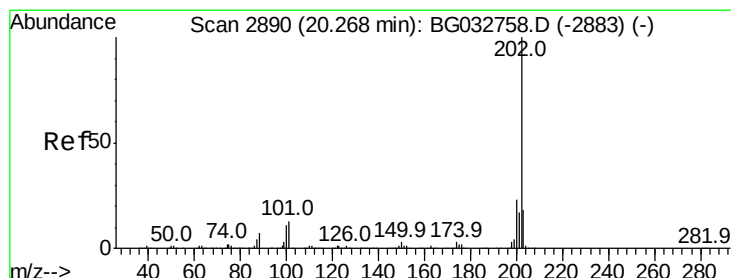
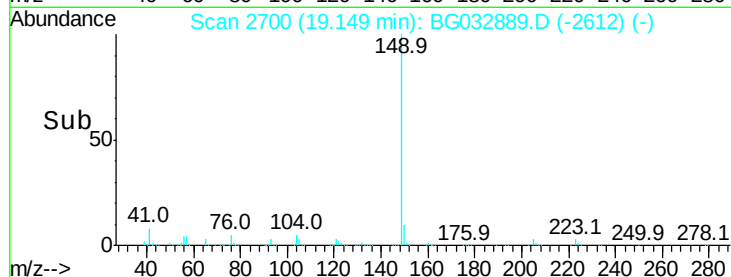
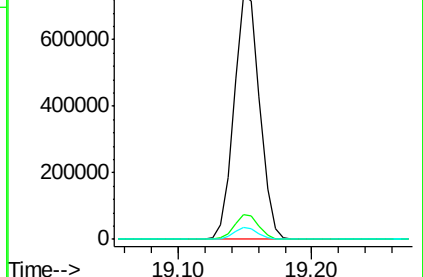
104 5.2 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 37.021 ng

RT: 20.25 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

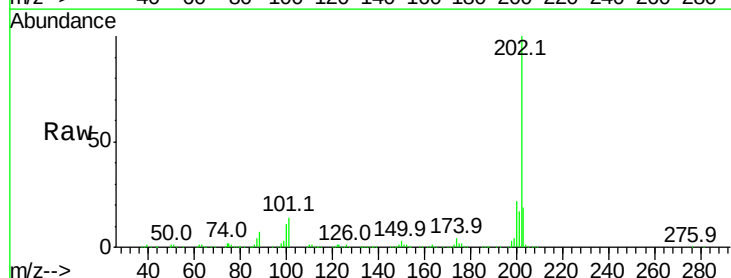
Tgt Ion:202 Resp: 868564

Ion Ratio Lower Upper

202 100

101 13.9 0.0 28.9

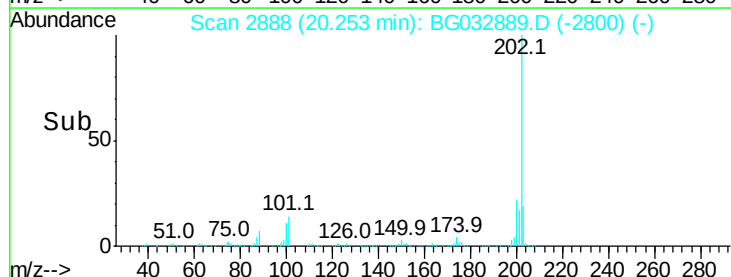
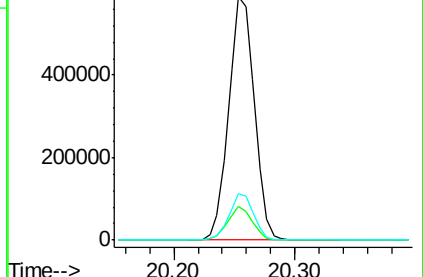
203 18.9 0.0 37.5

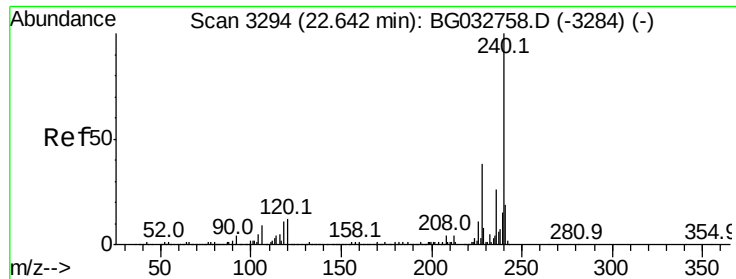


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

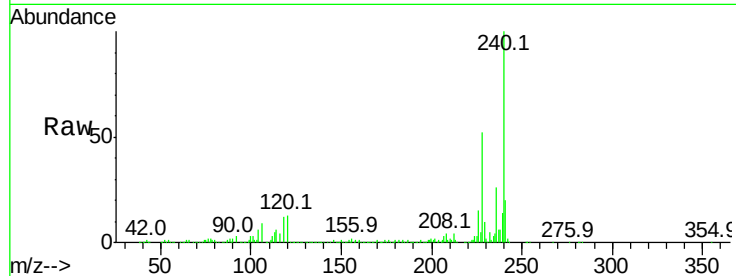
Tot Ion:240 Resp: 346948

Ion Ratio Lower Upper

240 100

120 13.1 6.8 10.2#

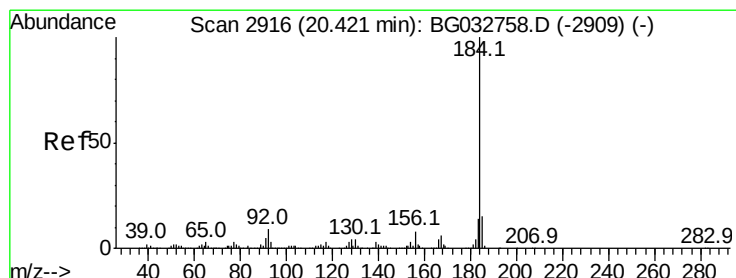
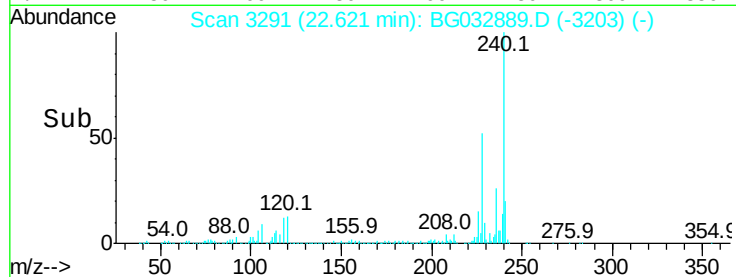
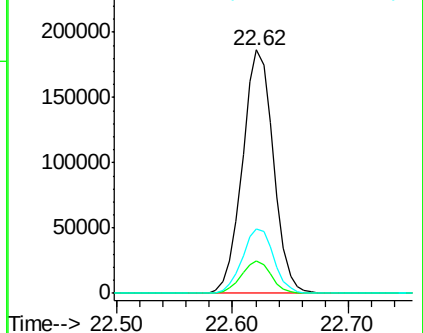
236 26.3 20.9 31.3



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: 26.125 ng

RT: 20.41 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

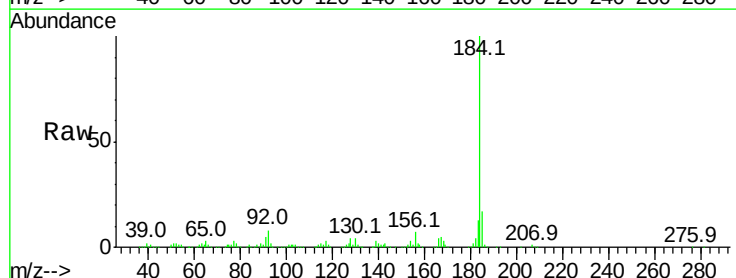
Tgt Ion:184 Resp: 308966

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

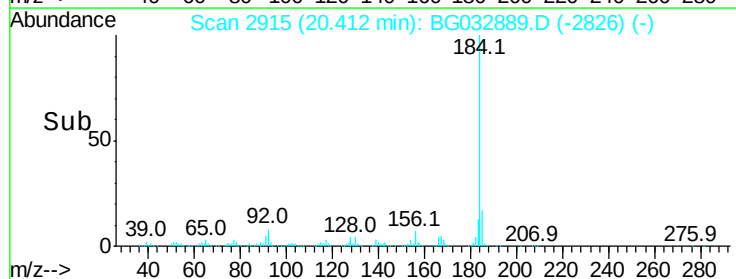
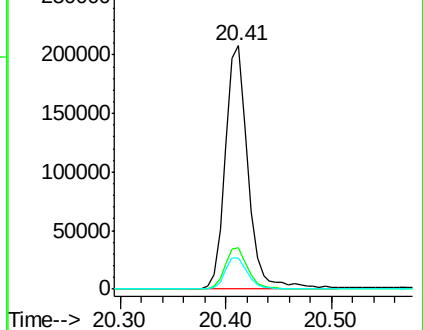
183 12.8 10.6 16.0

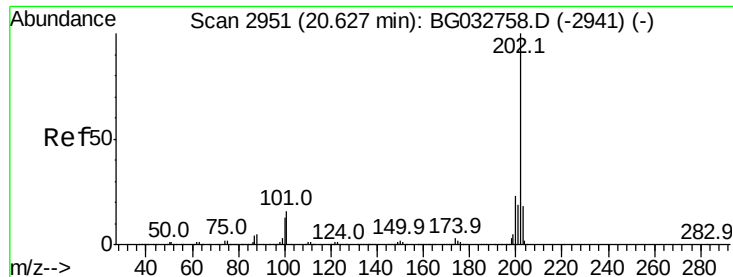


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 36.654 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

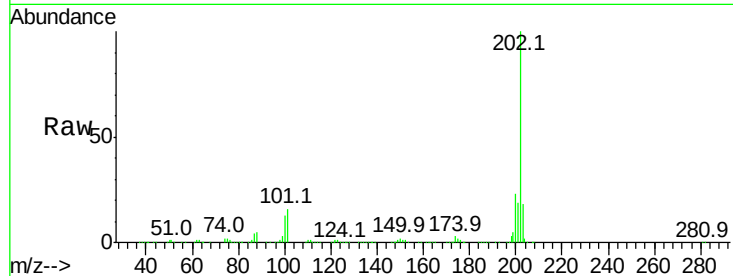
Tot Ion:202 Resp: 896809

Ion Ratio Lower Upper

202 100

200 23.0 16.9 25.3

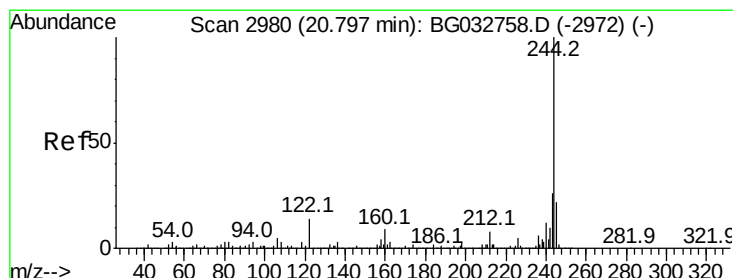
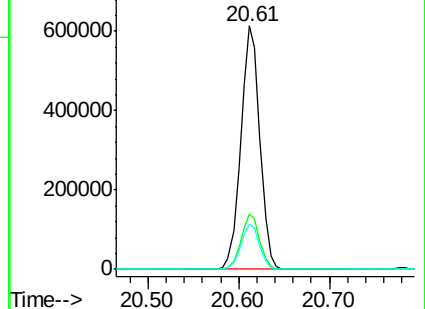
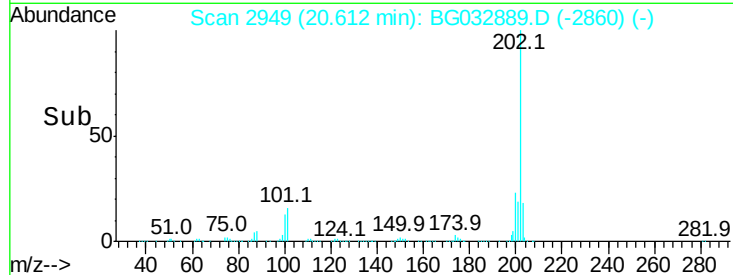
203 18.4 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 72.828 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

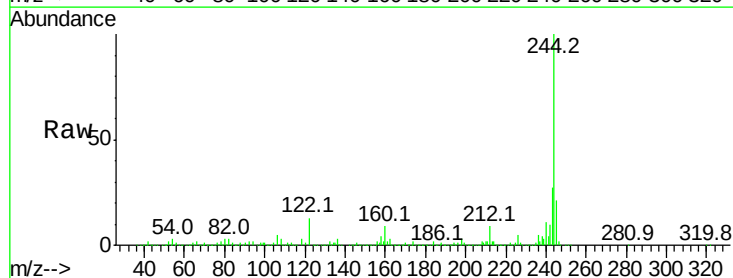
Tgt Ion:244 Resp: 1124639

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

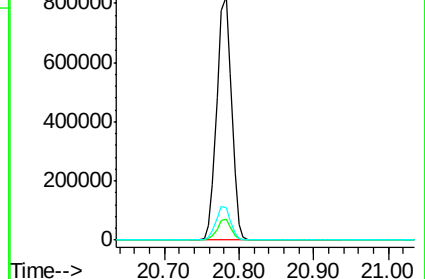
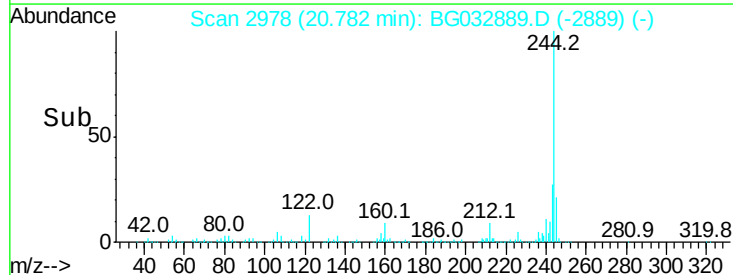
122 13.3 7.0 10.4#

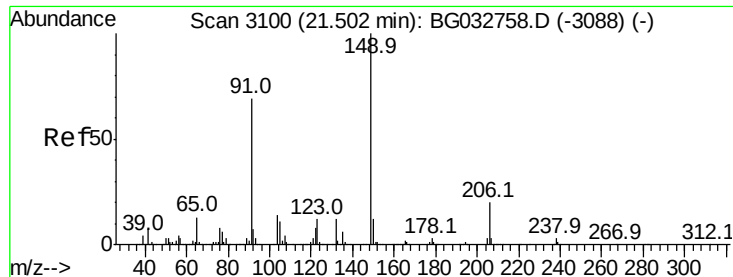


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

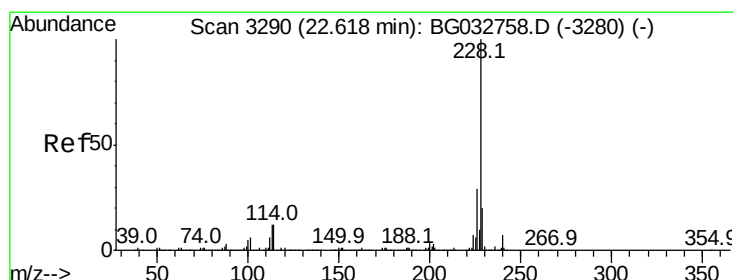
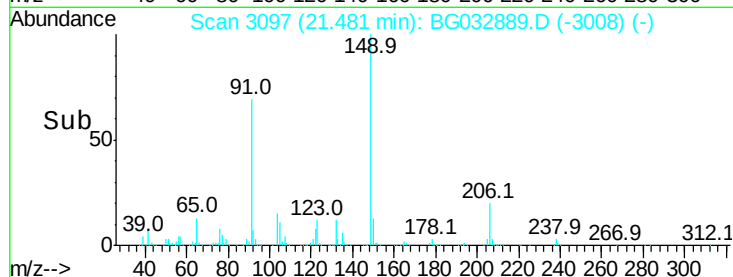
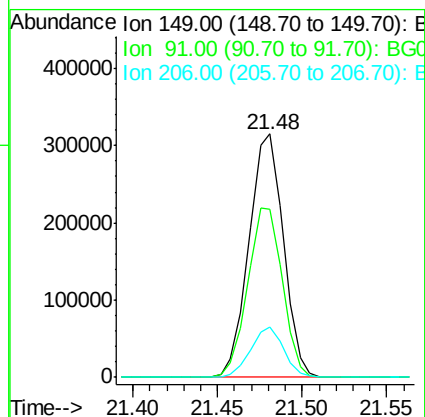
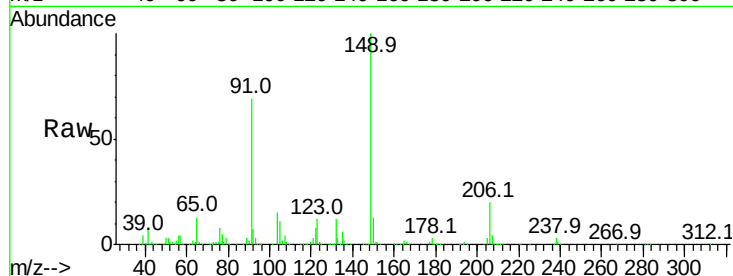




#79  
Butylbenzylphthalate  
Concen: 41.382 ng  
RT: 21.48 min Scan# 3097  
Delta R.T. -0.00 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

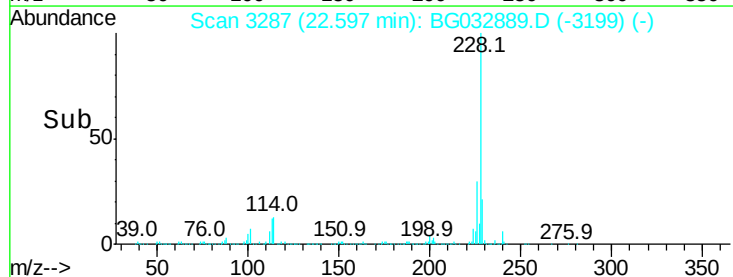
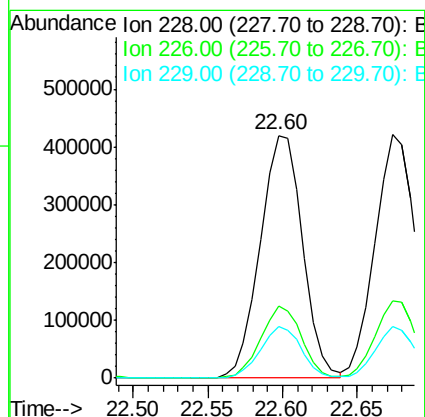
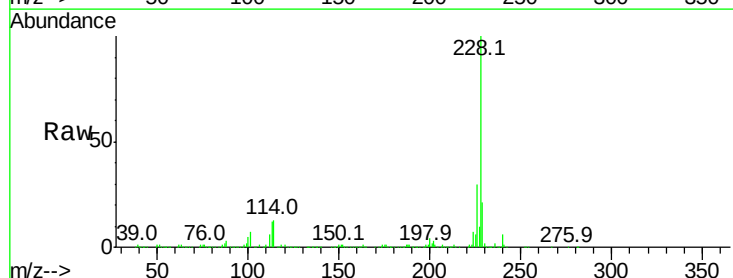
Instrument :  
BNA\_G  
ClientSampleId :

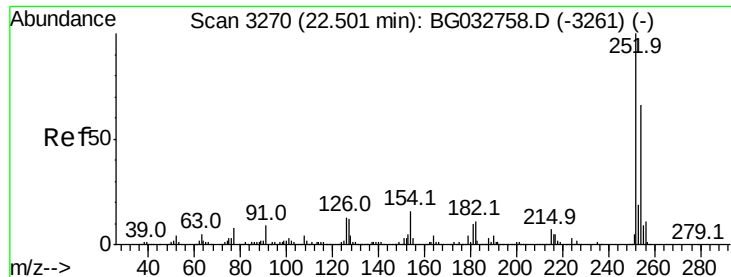
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 69.1  | 62.2  | 93.2  |
| 206     | 20.5  | 18.6  | 27.8  |



#80  
Benzo(a)anthracene  
Concen: 37.226 ng  
RT: 22.60 min Scan# 3287  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 22.7  | 34.1  |
| 229     | 21.1  | 16.2  | 24.2  |

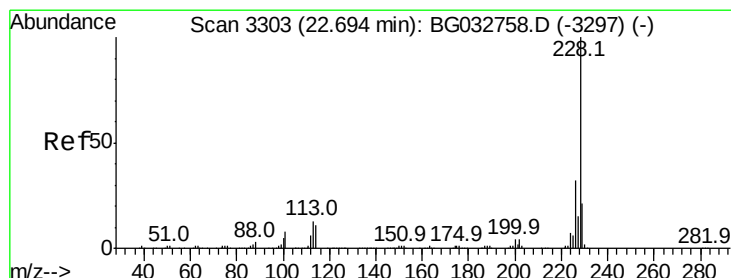
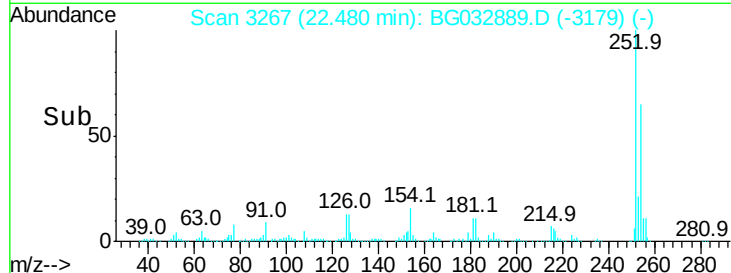
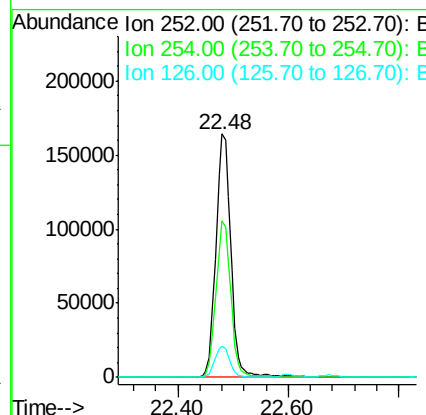
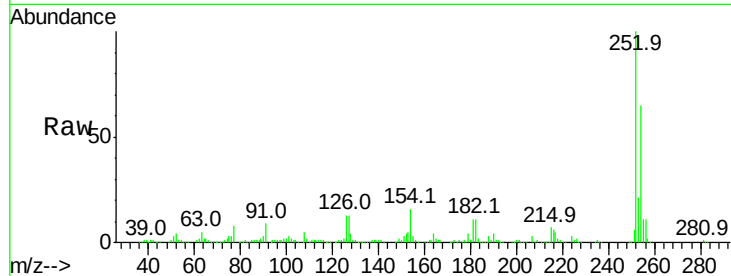




#81  
 3,3'-Dichlorobenzidine  
 Concen: 37.732 ng  
 RT: 22.48 min Scan# 3267  
 Delta R.T. -0.01 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

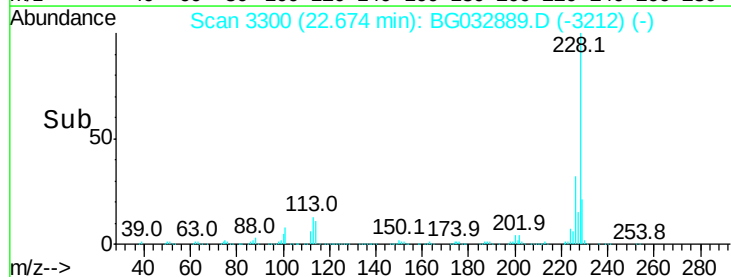
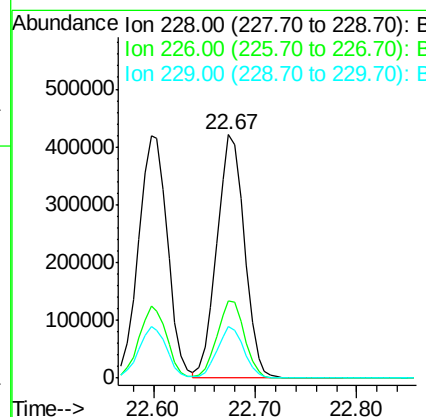
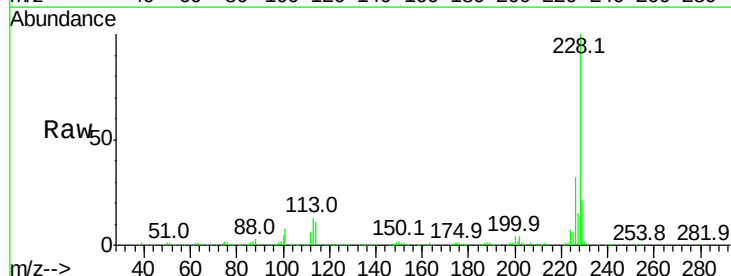
Instrument :  
 BNA\_G  
 ClientSampleId :

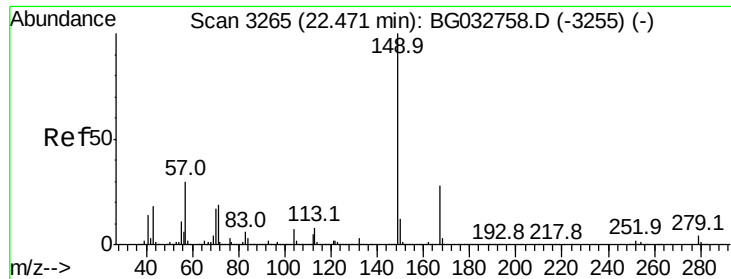
Tot Ion:252 Resp: 310911  
 Ion Ratio Lower Upper  
 252 100  
 254 64.5 50.8 76.2  
 126 12.7 7.4 11.2#



#82  
 Chrysene  
 Concen: 37.404 ng  
 RT: 22.67 min Scan# 3300  
 Delta R.T. -0.01 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion:228 Resp: 794936  
 Ion Ratio Lower Upper  
 228 100  
 226 31.9 24.9 37.3  
 229 20.9 15.0 22.4

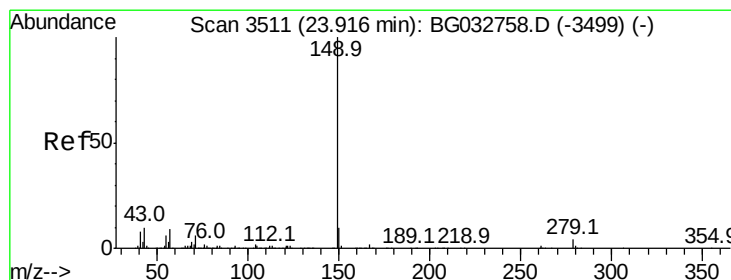
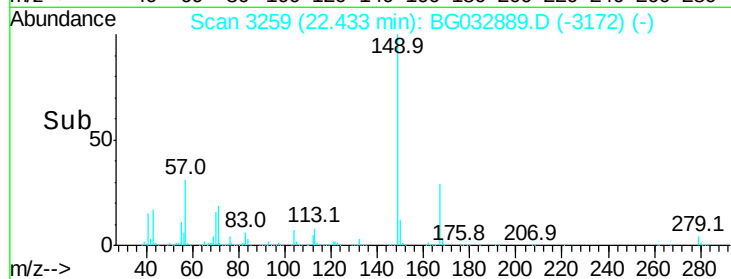
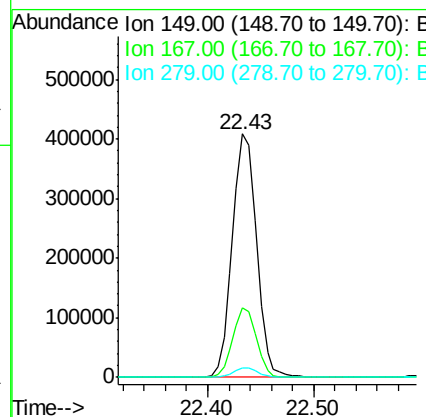
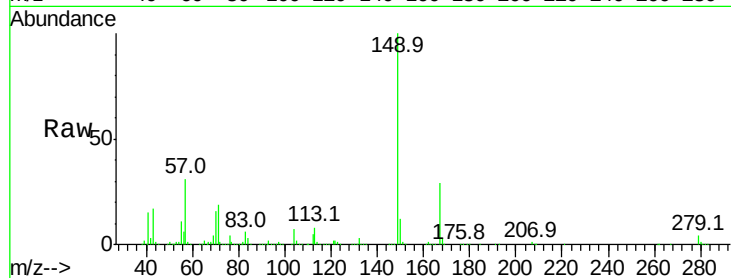




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.432 ng  
 RT: 22.43 min Scan# 3259  
 Delta R.T. -0.02 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

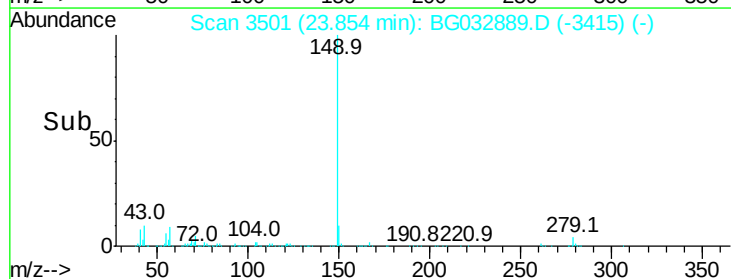
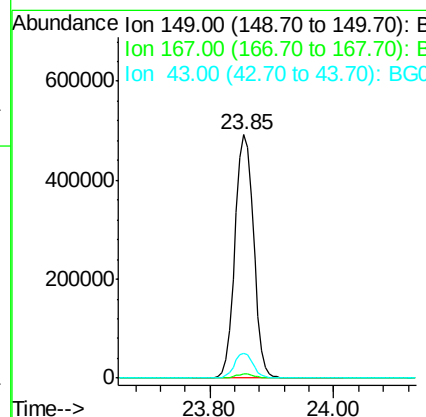
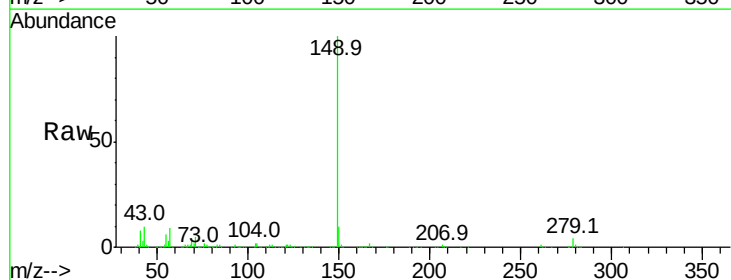
Instrument :  
 BNA\_G  
 ClientSampleId :

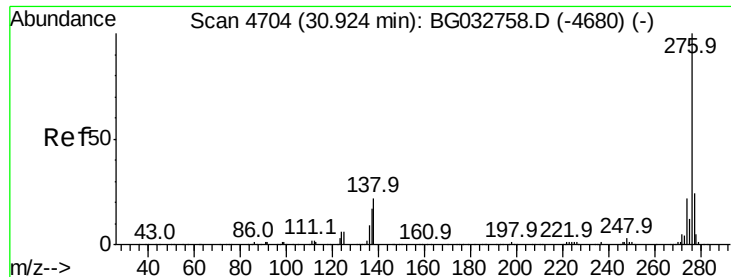
Tot Ion:149 Resp: 649227  
 Ion Ratio Lower Upper  
 149 100  
 167 28.6 24.3 36.5  
 279 4.0 4.0 6.0#



#84  
 Di-n-octyl phthalate  
 Concen: 42.252 ng  
 RT: 23.85 min Scan# 3501  
 Delta R.T. -0.02 min  
 Lab File: BG032889.D  
 Acq: 28 Feb 2018 16:03

Tgt Ion:149 Resp: 1034122  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.4 2.0  
 43 10.4 8.9 13.3

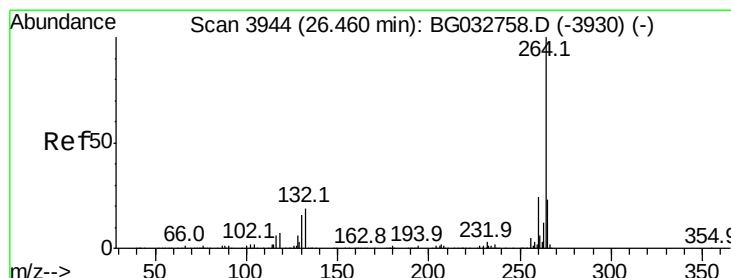
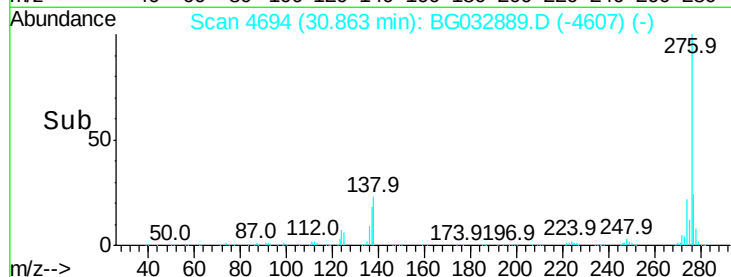
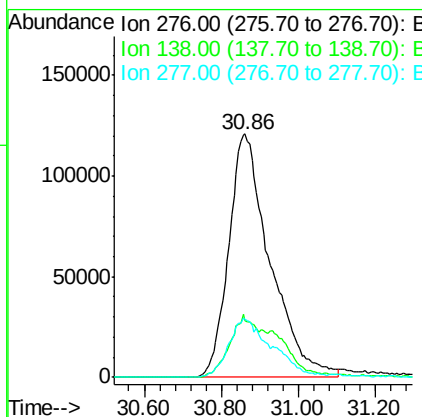
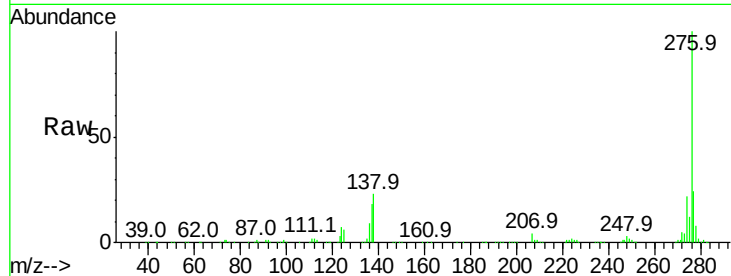




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 36.389 ng  
RT: 30.86 min Scan# 4694  
Delta R.T. -0.02 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

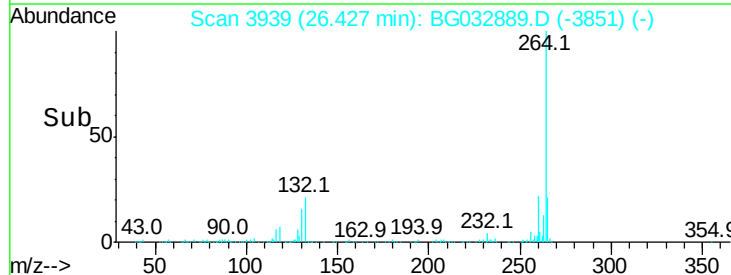
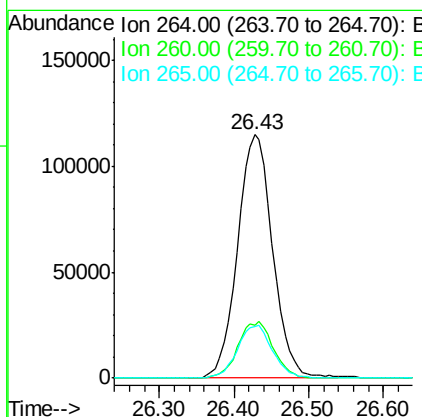
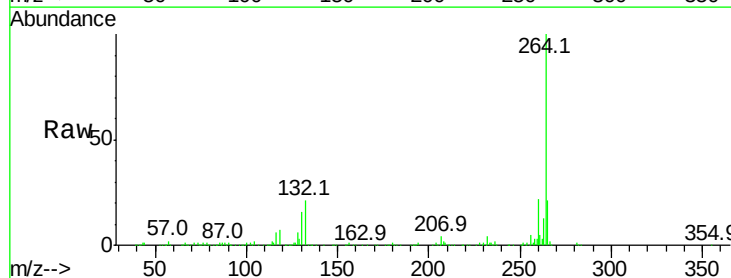
Instrument :  
BNA\_G  
ClientSampleId :

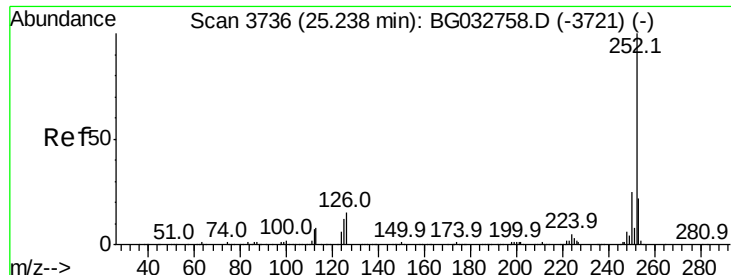
Tot Ion:276 Resp: 901903  
Ion Ratio Lower Upper  
276 100  
138 16.1 16.0 24.0  
277 25.6 20.0 30.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.43 min Scan# 3939  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

Tgt Ion:264 Resp: 373954  
Ion Ratio Lower Upper  
264 100  
260 21.8 17.4 26.0  
265 21.4 17.7 26.5

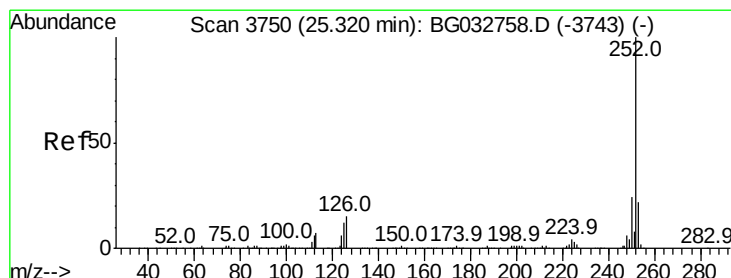
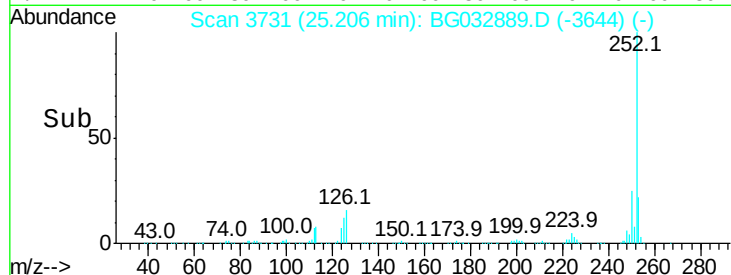
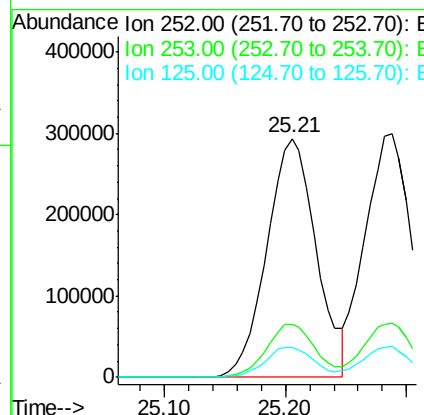
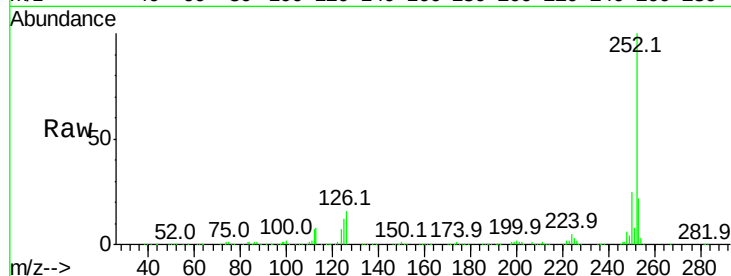




#87  
Benzo(b)fluoranthene  
Concen: 37.567 ng  
RT: 25.21 min Scan# 3731  
Delta R.T. -0.02 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

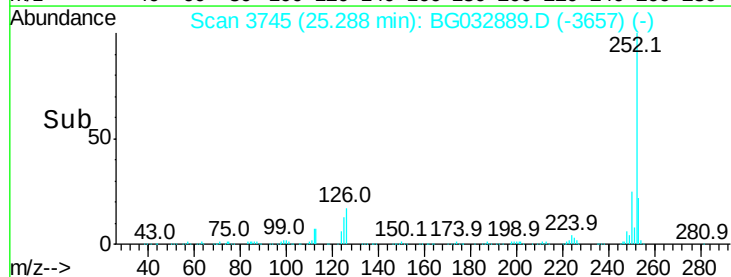
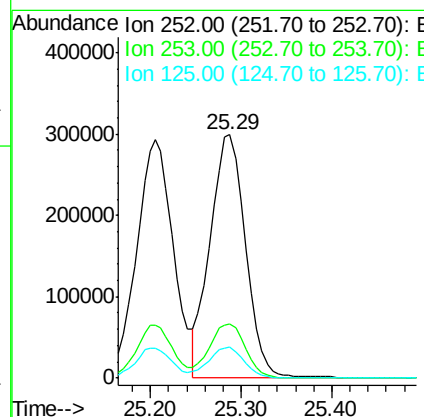
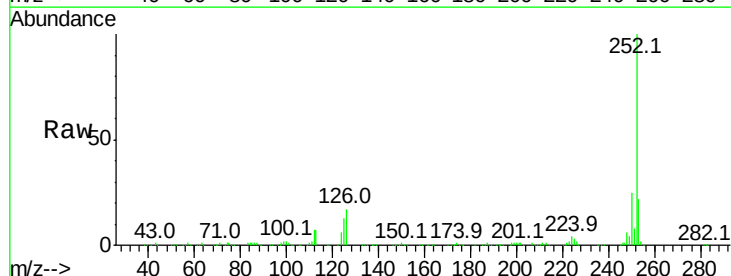
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 18.2  | 27.4  |
| 125     | 12.5  | 7.2   | 10.8  |

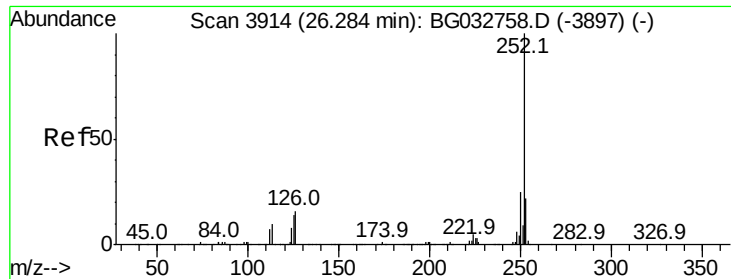


#88  
Benzo(k)fluoranthene  
Concen: 36.824 ng  
RT: 25.29 min Scan# 3745  
Delta R.T. -0.01 min  
Lab File: BG032889.D  
Acq: 28 Feb 2018 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.4  | 26.2  |
| 125     | 12.6  | 6.6   | 9.8   |







#89

Benzo(a)pyrene

Concen: 37.252 ng

RT: 26.25 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

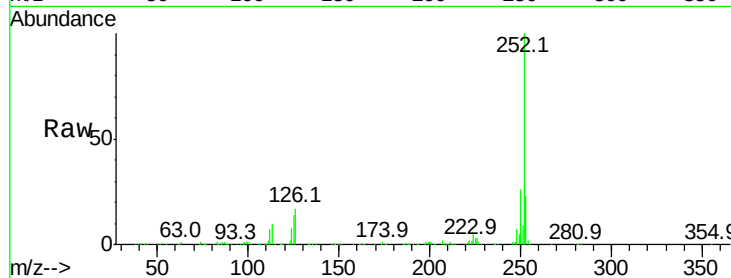
Tot Ion:252 Resp: 783430

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

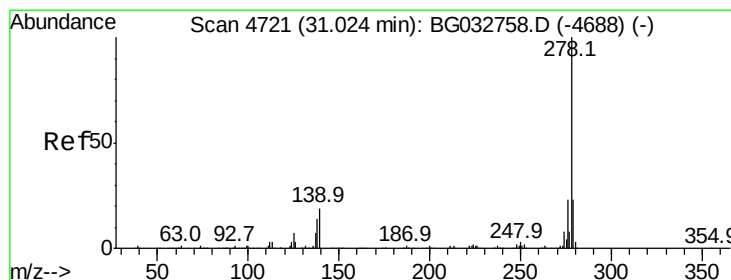
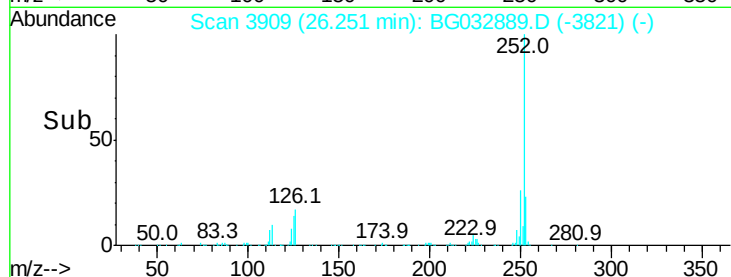
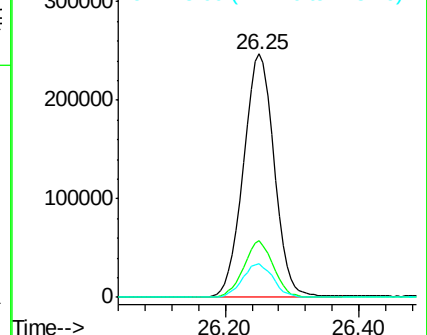
125 13.8 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 34.617 ng

RT: 30.94 min Scan# 4708

Delta R.T. -0.02 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

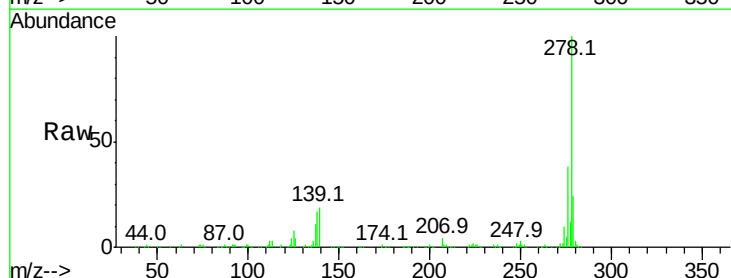
Tgt Ion:278 Resp: 732784

Ion Ratio Lower Upper

278 100

139 19.0 9.8 14.6#

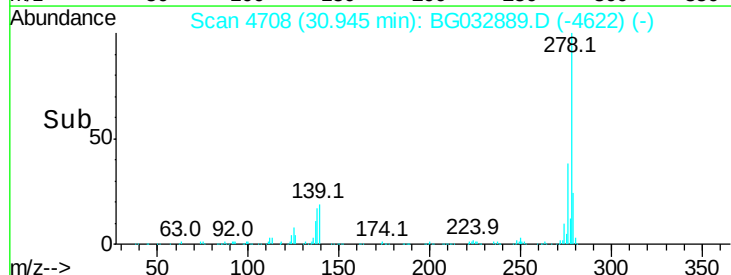
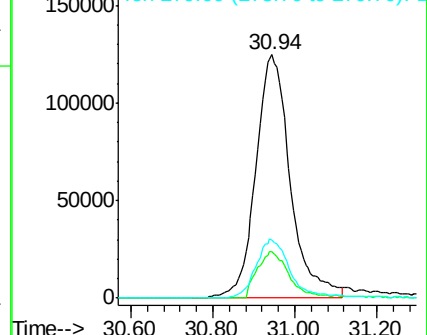
279 24.1 18.4 27.6

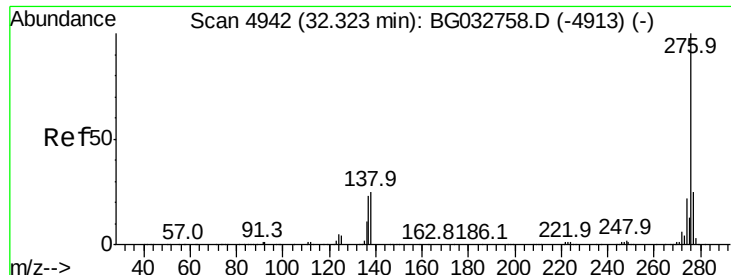


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 36.313 ng

RT: 32.25 min Scan# 4930

Delta R.T. -0.03 min

Lab File: BG032889.D

Acq: 28 Feb 2018 16:03

Instrument :

BNA\_G

ClientSampleId :

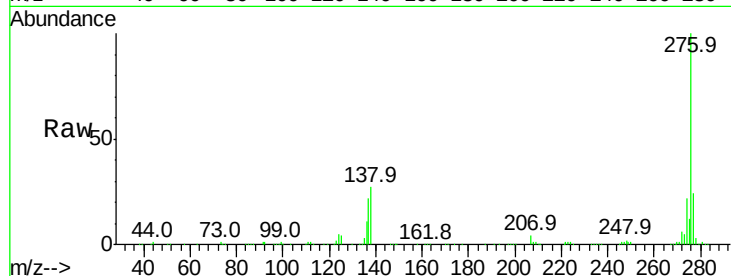
Tot Ion: 276 Resp: 757746

Ion Ratio Lower Upper

276 100

277 24.3 18.3 27.5

138 26.7 13.9 20.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

