

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110218\  
 Data File : BG037772.D  
 Acq On : 3 Nov 2018 2:32  
 Operator : JU/SJ  
 Sample : PB114415BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

Quant Time: Nov 03 03:51:21 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 49393    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 227490   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.73 | 164  | 152782   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 345416   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 314612   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.10 | 264  | 322169   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 486648  | 164.72 | ng | 0.00  |
| 7) Phenol-d6             | 7.25  | 99  | 689777  | 154.40 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 322513  | 79.42  | ng | 0.00  |
| 42) 2,4,6-Tribromophenol | 16.23 | 330 | 269818  | 161.92 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.35 | 172 | 802084  | 79.16  | ng | -0.01 |
| 79) Terphenyl-d14        | 20.08 | 244 | 1134231 | 77.03  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 53768  | 35.887 | ng | 99     |
| 3) Pyridine                    | 3.93  | 79  | 130925 | 34.671 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 57112  | 42.461 | ng | 94     |
| 6) Aniline                     | 7.42  | 93  | 181845 | 33.366 | ng | 94     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 150480 | 43.539 | ng | 99     |
| 9) Benzaldehyde                | 7.24  | 77  | 109679 | 39.248 | ng | 95     |
| 10) Phenol                     | 7.27  | 94  | 204213 | 43.324 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 139848 | 39.064 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 153999 | 40.024 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.14  | 146 | 157874 | 40.112 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 150427 | 39.732 | ng | 100    |
| 15) Benzyl Alcohol             | 8.34  | 79  | 136043 | 41.213 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 258365 | 40.334 | ng | 98     |
| 17) 2-Methylphenol             | 8.53  | 107 | 137972 | 44.275 | ng | 100    |
| 18) Hexachloroethane           | 9.18  | 117 | 57496  | 42.850 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 113107 | 36.767 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 194442 | 43.642 | ng | 97     |
| 22) Acetophenone               | 8.93  | 105 | 223749 | 39.217 | ng | # 97   |
| 24) Nitrobenzene               | 9.32  | 77  | 169738 | 40.234 | ng | 91     |
| 25) Isophorone                 | 9.83  | 82  | 329788 | 44.446 | ng | 98     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 86562  | 45.547 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 162664 | 47.937 | ng | 96     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 204140 | 41.992 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 168033 | 44.475 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 167161 | 40.686 | ng | 99     |
| 31) Naphthalene                | 10.97 | 128 | 489042 | 43.767 | ng | 100    |
| 32) Benzoic acid               | 10.20 | 122 | 97918  | 44.428 | ng | 97     |
| 33) 4-Chloroaniline            | 11.09 | 127 | 131747 | 25.094 | ng | 94     |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 101247 | 41.579 | ng | 98     |
| 35) Caprolactam                | 11.87 | 113 | 37972  | 25.060 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 181998 | 42.714 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 377571 | 46.355 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.79 | 142 | 357607 | 45.209 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 197774 | 40.132 | ng | 99     |

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 ALS Vial : 18 Sample Multiplier: 1

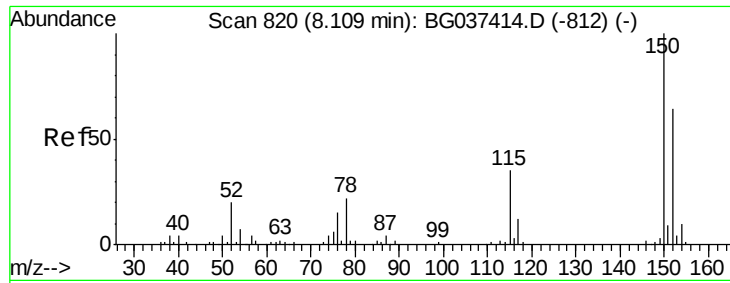
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

Quant Time: Nov 03 03:51:21 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.89 | 237  | 255979   | 108.742 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.16 | 196  | 145675   | 44.247  | ng    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.24 | 196  | 155849   | 43.477  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.57 | 154  | 490346   | 38.753  | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 389816   | 40.722  | ng    | 99       |
| 48) 2-Nitroaniline             | 13.82 | 65   | 124223   | 42.793  | ng    | 96       |
| 49) Acenaphthylene             | 14.46 | 152  | 634603   | 44.071  | ng    | 99       |
| 50) Dimethylphthalate          | 14.18 | 163  | 490319   | 41.484  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.31 | 165  | 112028   | 42.845  | ng    | 97       |
| 52) Acenaphthene               | 14.80 | 154  | 371845   | 41.930  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 97459    | 33.575  | ng    | # 92     |
| 54) 2,4-Dinitrophenol          | 14.85 | 184  | 83231    | 74.888  | ng    | 92       |
| 55) Dibenzofuran               | 15.13 | 168  | 602805   | 41.026  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.94 | 139  | 237726   | 110.644 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 154698   | 45.072  | ng    | 94       |
| 58) Fluorene                   | 15.78 | 166  | 486188   | 44.187  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.35 | 232  | 138920   | 45.263  | ng    | 97       |
| 60) Diethylphthalate           | 15.54 | 149  | 503210   | 41.469  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204  | 257950   | 40.221  | ng    | 97       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 118199   | 40.980  | ng    | 94       |
| 63) Azobenzene                 | 16.06 | 77   | 474888   | 41.017  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.86 | 198  | 77928    | 43.880  | ng    | 99       |
| 66) n-Nitrosodiphenylamine     | 15.99 | 169  | 433471   | 41.719  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 160203   | 42.234  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.77 | 284  | 160089   | 40.721  | ng    | 98       |
| 69) Atrazine                   | 16.93 | 200  | 160752   | 42.792  | ng    | 100      |
| 70) Pentachlorophenol          | 17.12 | 266  | 189188   | 71.843  | ng    | 97       |
| 71) Phenanthrene               | 17.52 | 178  | 774581   | 44.123  | ng    | 100      |
| 72) Anthracene                 | 17.62 | 178  | 788565   | 45.773  | ng    | 99       |
| 73) Carbazole                  | 17.89 | 167  | 705561   | 40.942  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 834125   | 43.511  | ng    | 100      |
| 75) Fluoranthene               | 19.53 | 202  | 887400   | 44.569  | ng    | 100      |
| 77) Benzidine                  | 19.71 | 184  | 424707   | 39.701  | ng    | 100      |
| 78) Pyrene                     | 19.89 | 202  | 874371   | 42.514  | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.76 | 149  | 372551   | 44.261  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.75 | 228  | 827300   | 44.457  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.66 | 252  | 227498   | 31.540  | ng    | 99       |
| 83) Chrysene                   | 21.81 | 228  | 780271   | 43.605  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 530153   | 44.934  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.87 | 149  | 892544   | 46.392  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.92 | 276  | 777630   | 40.518  | ng    | # 92     |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 804577   | 45.553  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.11 | 252  | 775438   | 44.811  | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.95 | 252  | 772670   | 46.038  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 28.99 | 278  | 605099   | 39.085  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.12 | 276  | 664289   | 42.412  | ng    | 99       |

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



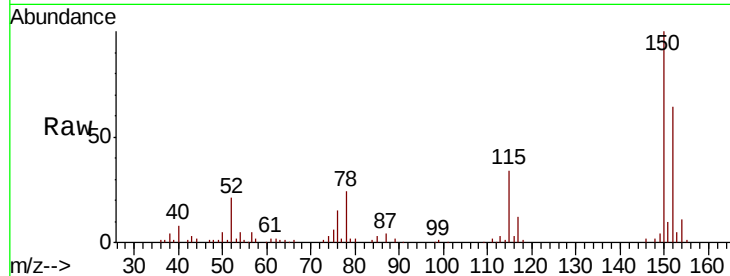


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 126.0 | 189.0 |
| 115     | 53.5  | 45.5  | 68.3  |

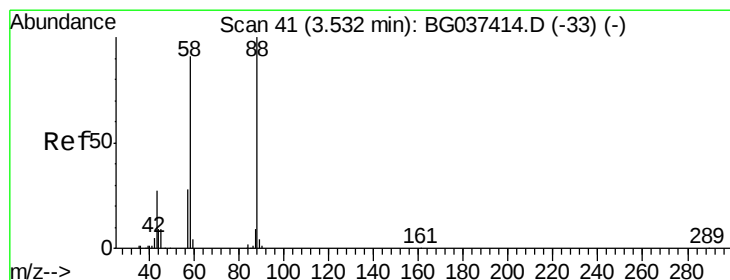
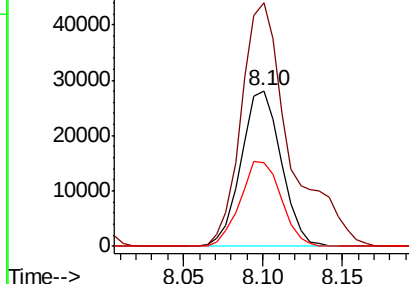
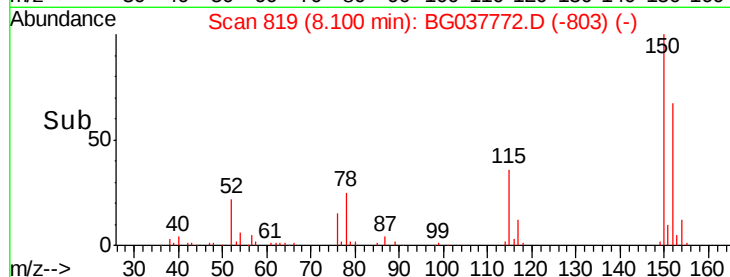


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

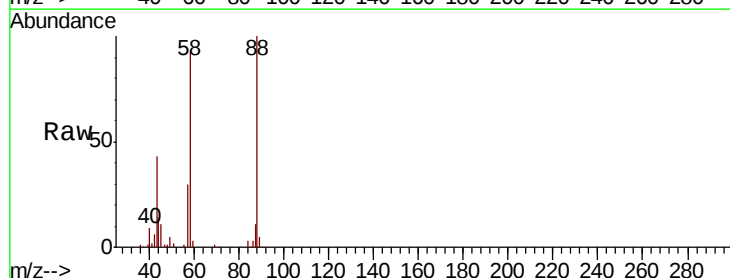
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 35.887 ng  
RT: 3.52 min Scan# 40  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 92.0  | 74.4  | 111.6 |
| 43      | 32.4  | 25.8  | 38.8  |

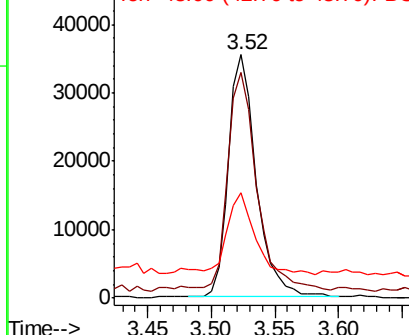
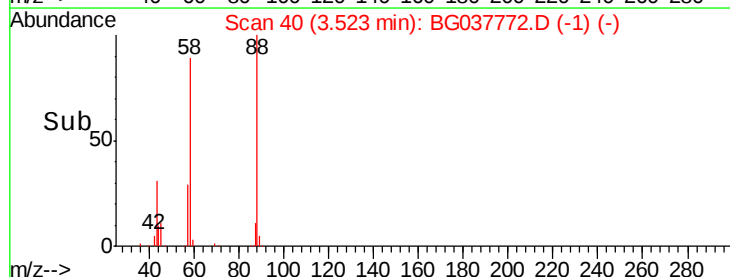


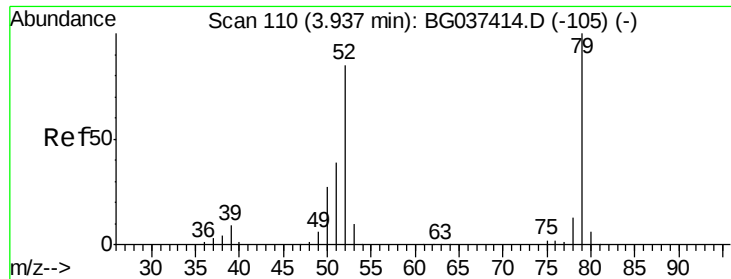
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 34.671 ng

RT: 3.93 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

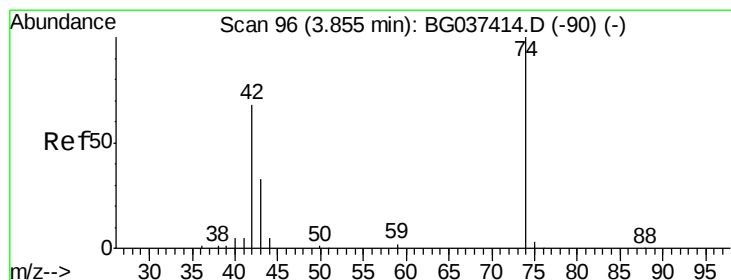
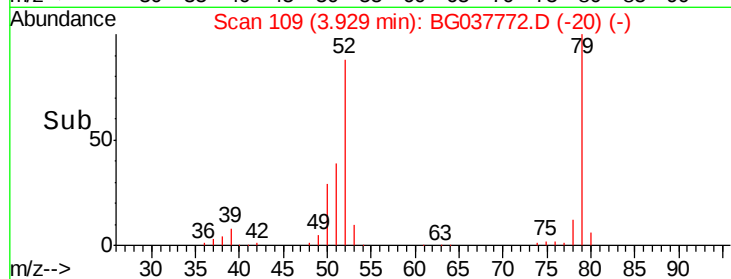
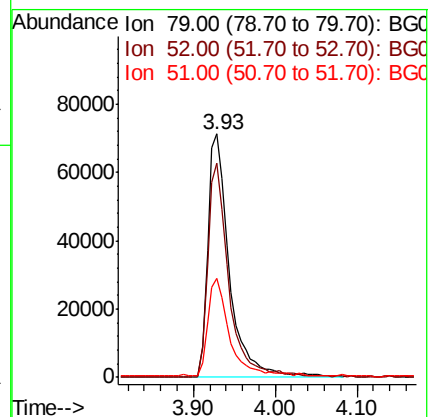
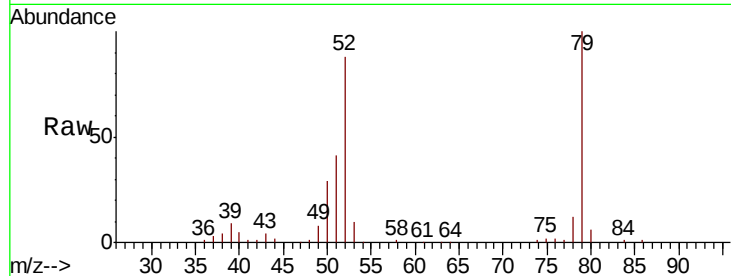
Tot Ion: 79 Resp: 130925

Ion Ratio Lower Upper

79 100

52 88.2 74.2 111.2

51 40.6 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 42.461 ng

RT: 3.85 min Scan# 95

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

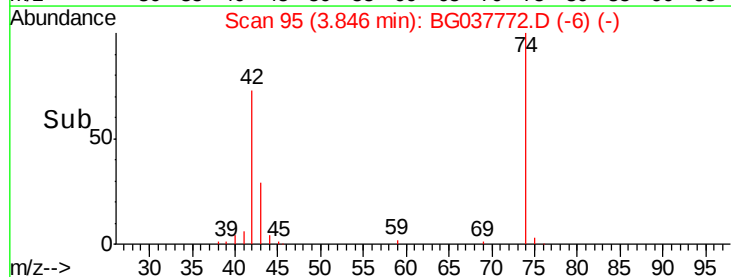
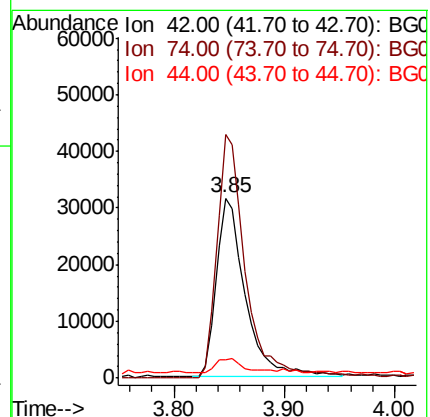
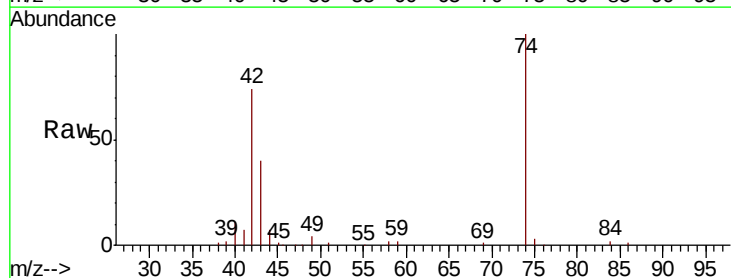
Tgt Ion: 42 Resp: 57112

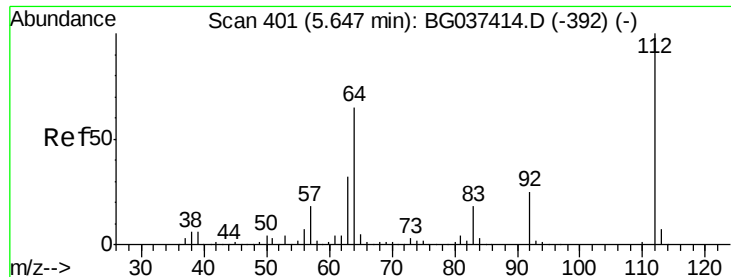
Ion Ratio Lower Upper

42 100

74 135.1 102.0 153.0

44 10.0 9.6 14.4





#5

2-Fluorophenol

Concen: 164.721 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

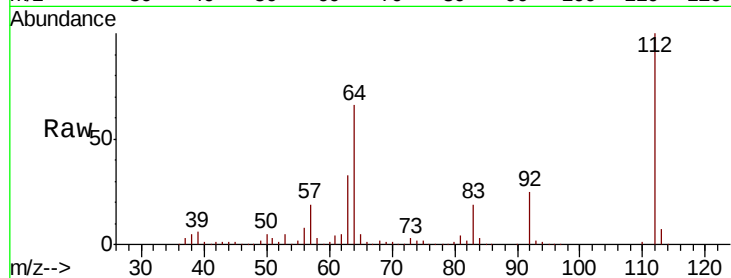
Tot Ion:112 Resp: 486648

Ion Ratio Lower Upper

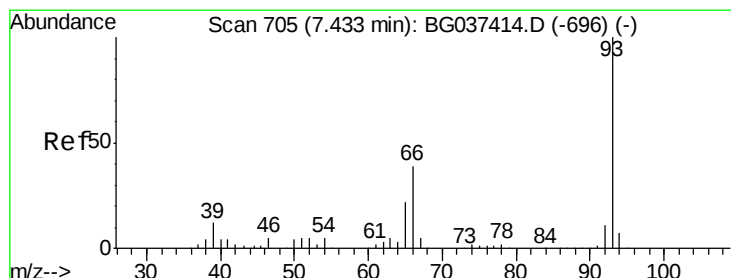
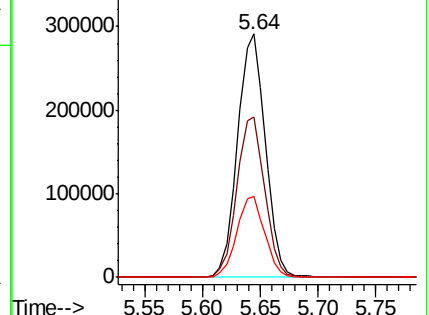
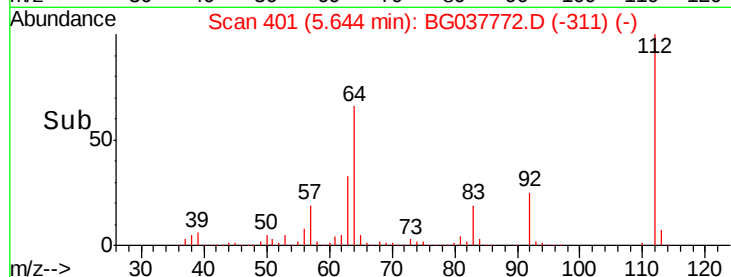
112 100

64 65.7 53.1 79.7

63 33.1 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 33.366 ng

RT: 7.42 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

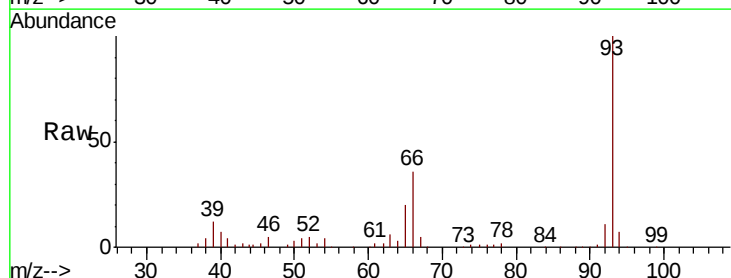
Tgt Ion: 93 Resp: 181845

Ion Ratio Lower Upper

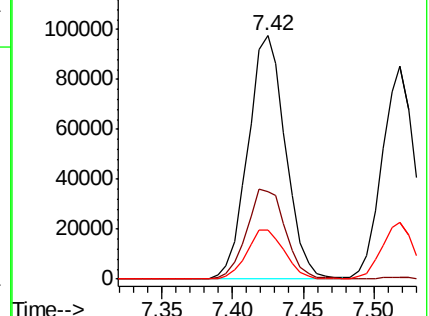
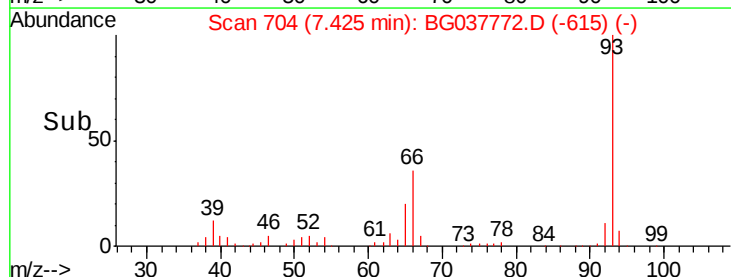
93 100

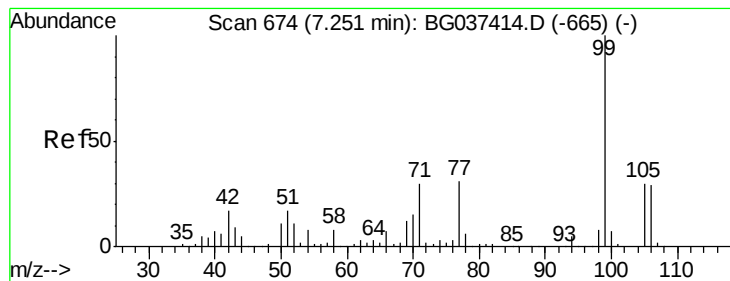
66 36.1 32.8 49.2

65 20.1 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 154.402 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

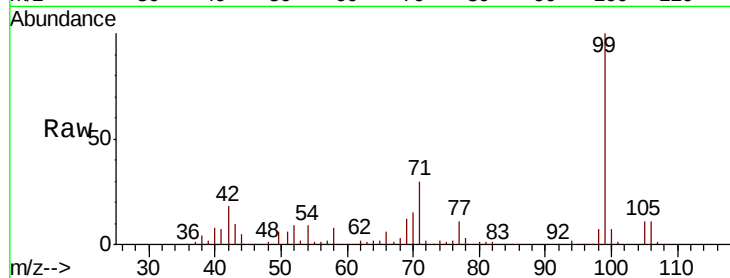
Tot Ion: 99 Resp: 689777

Ion Ratio Lower Upper

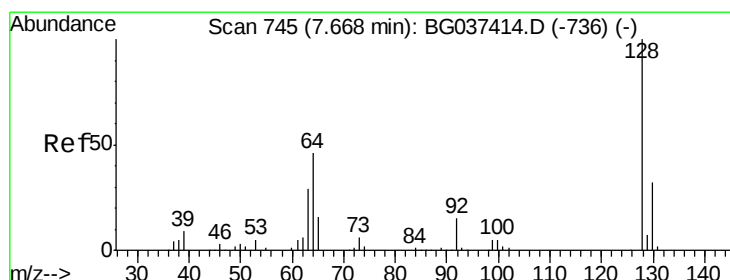
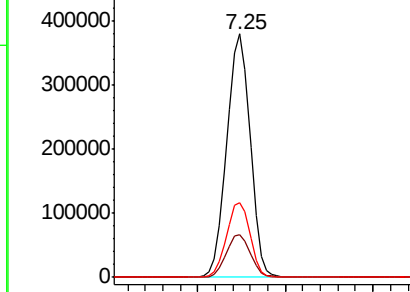
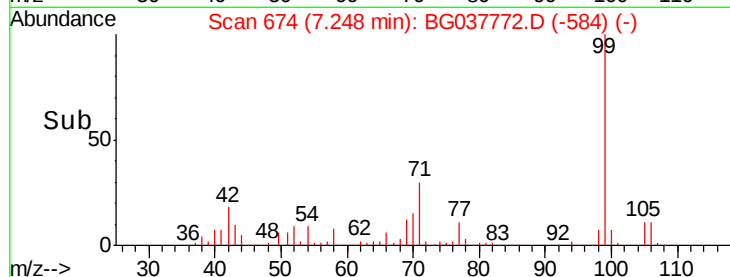
99 100

42 17.7 15.0 22.4

71 30.5 25.5 38.3



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: 43.539 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

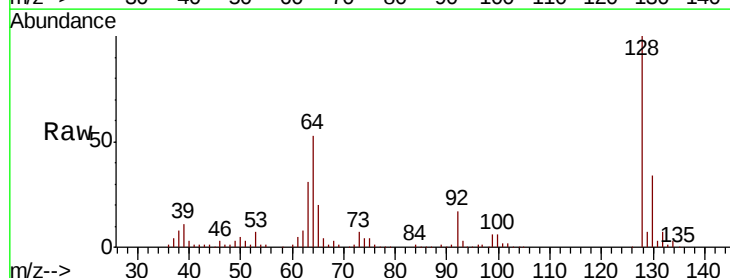
Tgt Ion: 128 Resp: 150480

Ion Ratio Lower Upper

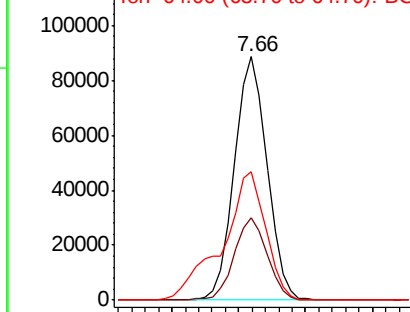
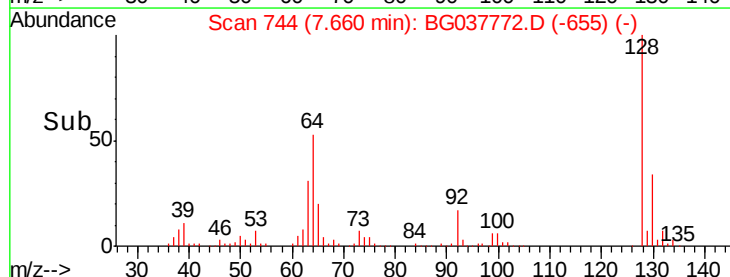
128 100

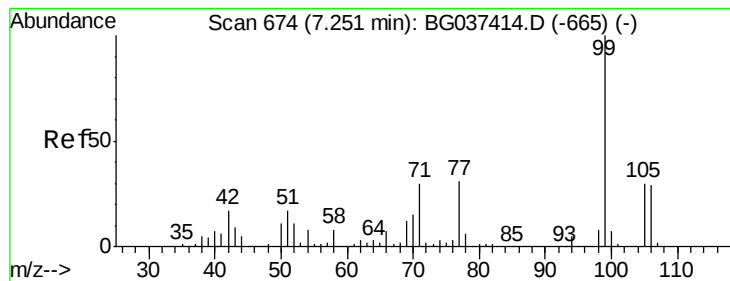
130 33.8 12.0 52.0

64 52.6 32.9 72.9



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: 39.248 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

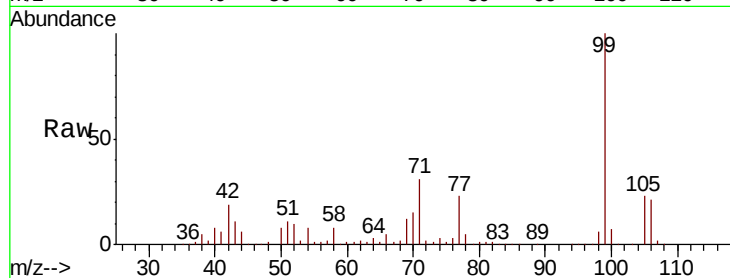
Tot Ion: 77 Resp: 109679

Ion Ratio Lower Upper

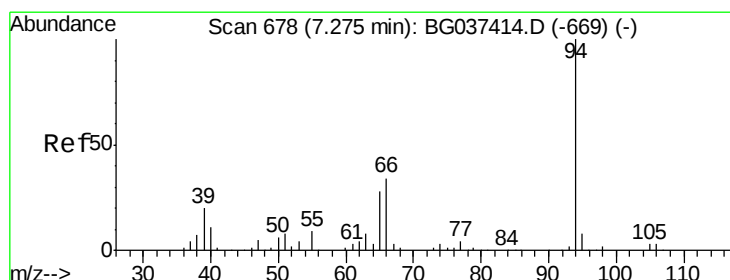
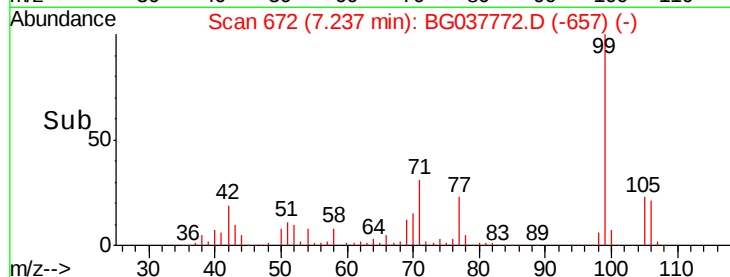
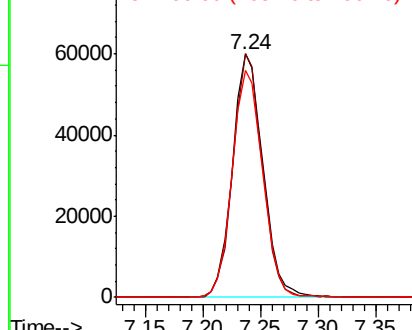
77 100

105 100.0 72.6 112.6

106 93.5 71.3 111.3



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: 43.324 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

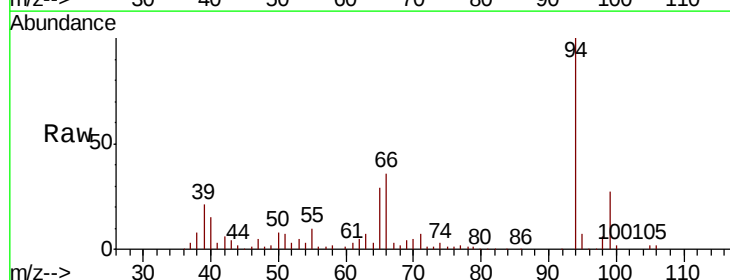
Tgt Ion: 94 Resp: 204213

Ion Ratio Lower Upper

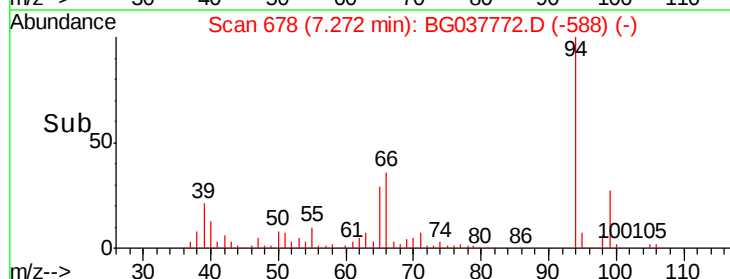
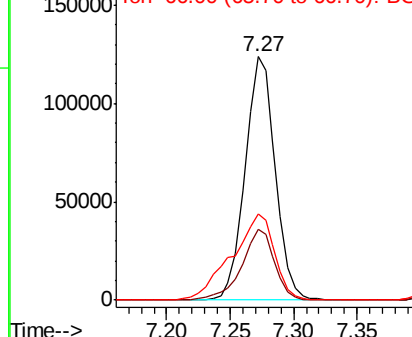
94 100

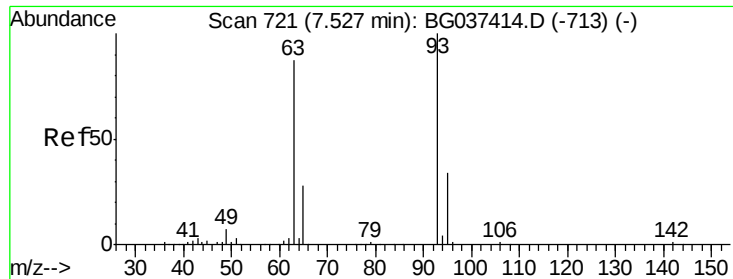
65 28.9 9.7 49.7

66 35.7 15.9 55.9



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

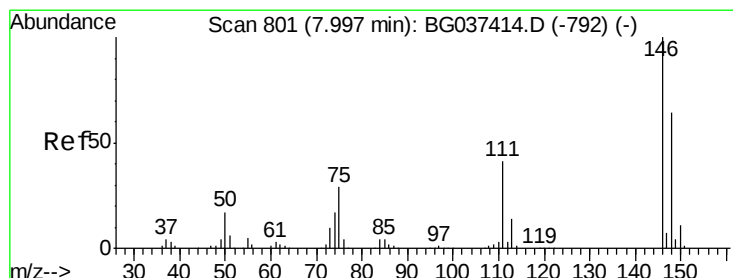
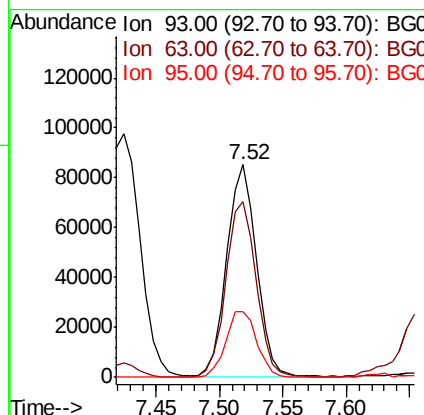
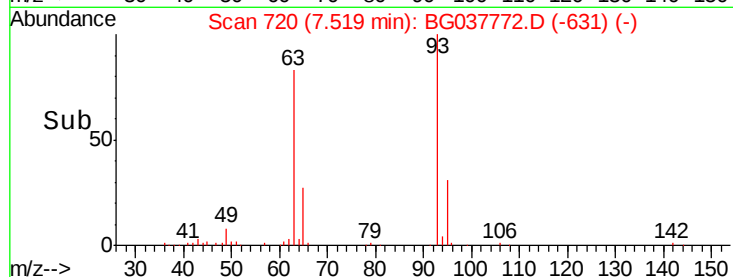
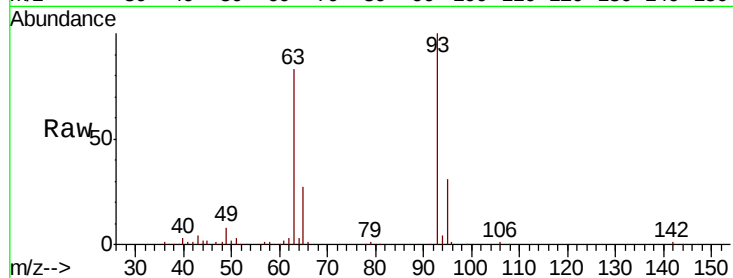




#11  
 bis(2-Chloroethyl)ether  
 Concen: 39.064 ng  
 RT: 7.52 min Scan# 720  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

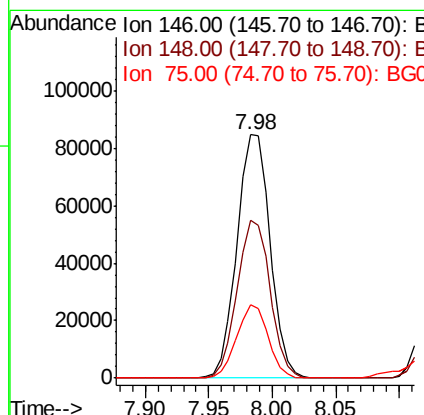
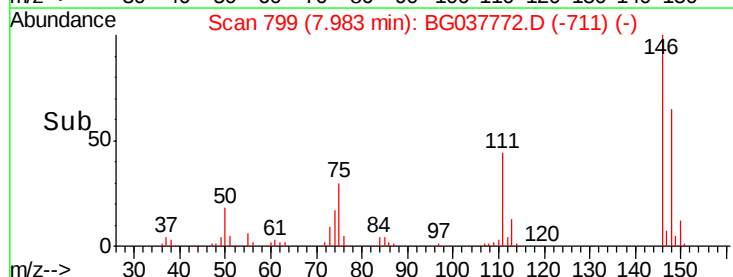
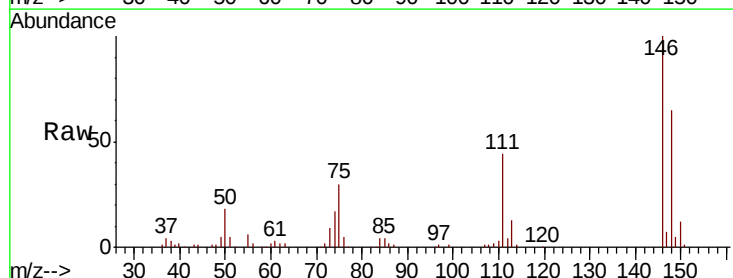
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

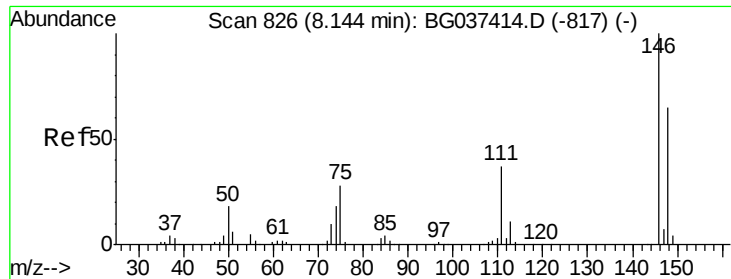
| Tot Ion   | 93     | 63    | 95   |
|-----------|--------|-------|------|
| Resp:     | 139848 |       |      |
| Ion Ratio | 100    | 82.7  | 31.0 |
| Lower     |        | 69.5  | 12.6 |
| Upper     |        | 109.5 | 52.6 |



#12  
 1,3-Dichlorobenzene  
 Concen: 40.024 ng  
 RT: 7.98 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion   | 146    | 148  | 75   |
|-----------|--------|------|------|
| Resp:     | 153999 |      |      |
| Ion Ratio | 100    | 64.7 | 30.2 |
| Lower     |        | 49.8 | 23.2 |
| Upper     |        | 74.8 | 34.8 |

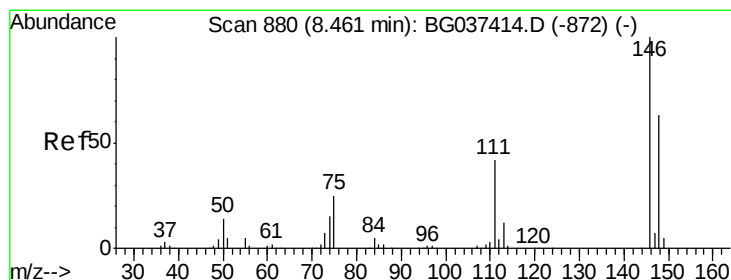
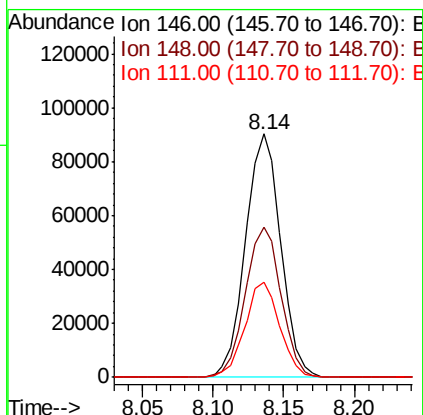
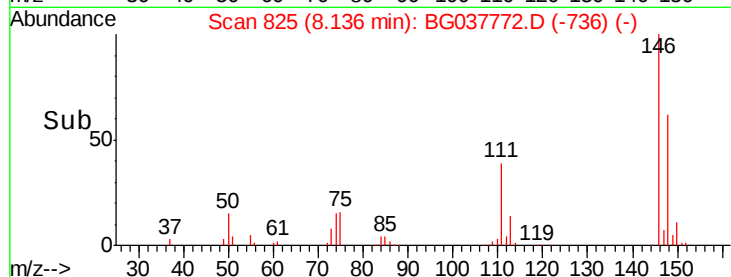
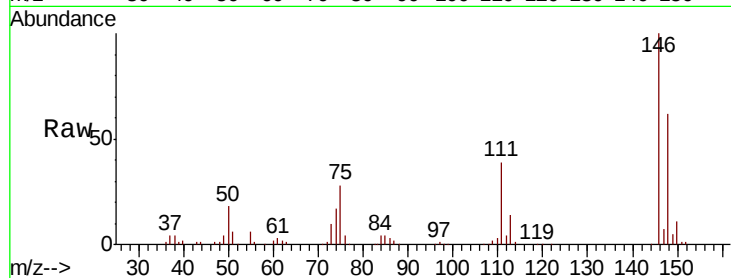




#13  
 1,4-Dichlorobenzene  
 Concen: 40.112 ng  
 RT: 8.14 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

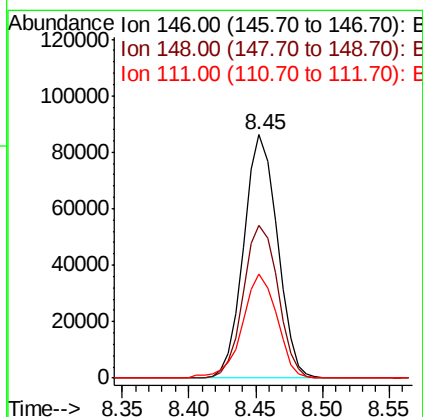
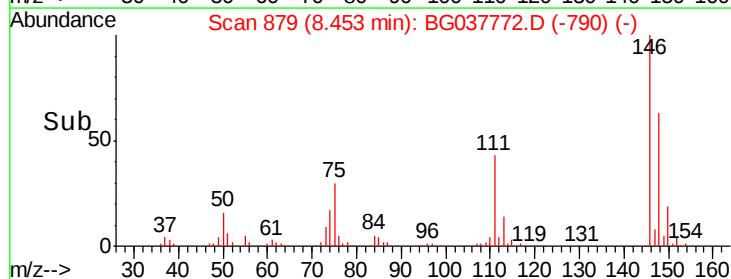
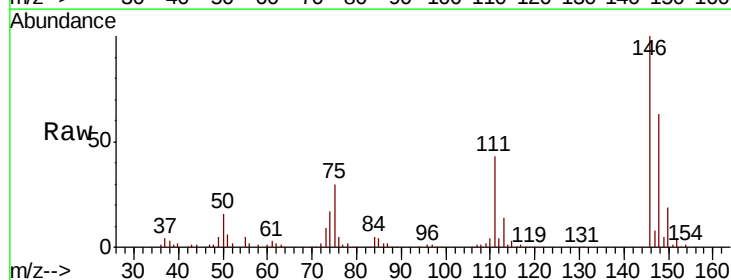
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

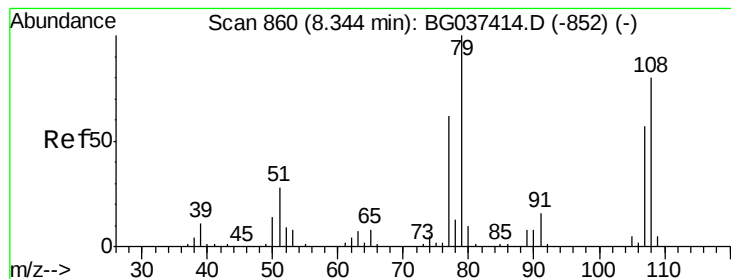
Tot Ion:146 Resp: 157874  
 Ion Ratio Lower Upper  
 146 100  
 148 61.6 51.0 76.6  
 111 39.2 32.4 48.6



#14  
 1,2-Dichlorobenzene  
 Concen: 39.732 ng  
 RT: 8.45 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Tgt Ion:146 Resp: 150427  
 Ion Ratio Lower Upper  
 146 100  
 148 63.0 50.4 75.6  
 111 42.9 34.6 51.8





#15

Benzyl Alcohol

Concen: 41.213 ng

RT: 8.34 min Scan# 859

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

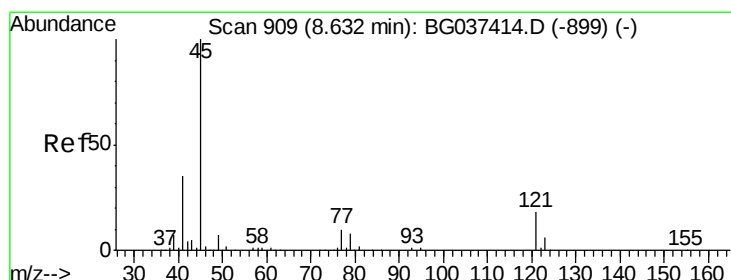
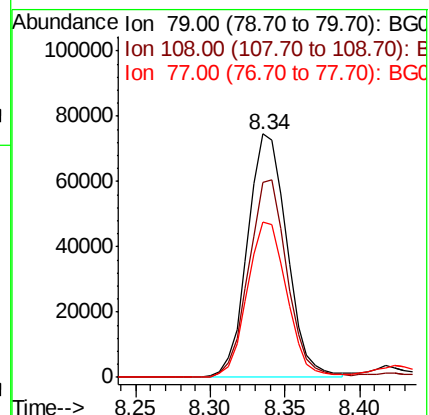
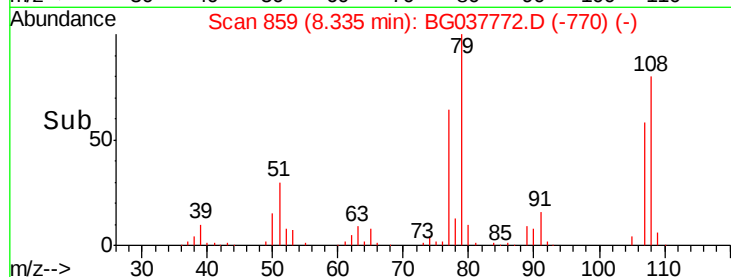
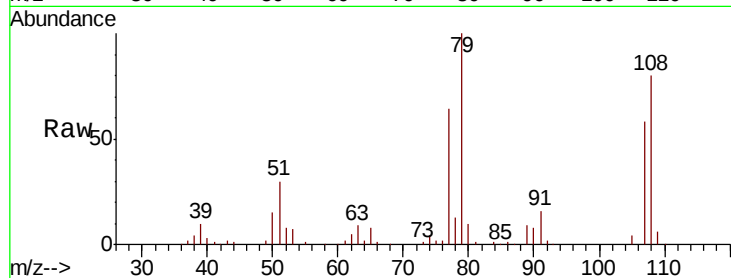
Tot Ion: 79 Resp: 136043

Ion Ratio Lower Upper

79 100

108 80.3 65.8 98.8

77 63.8 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.334 ng

RT: 8.62 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

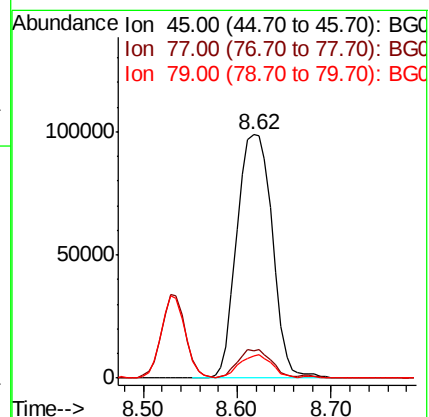
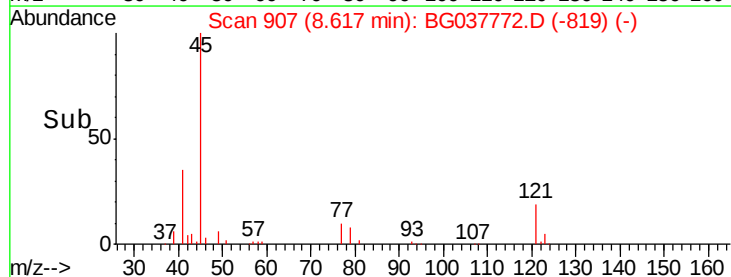
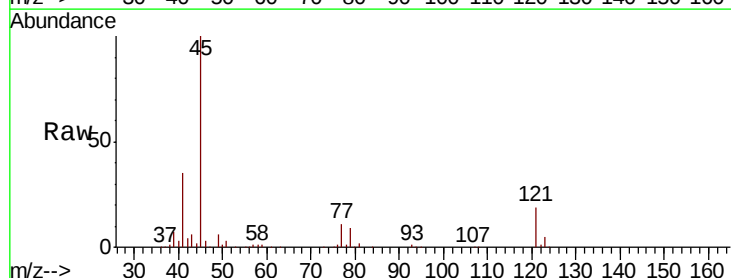
Tgt Ion: 45 Resp: 258365

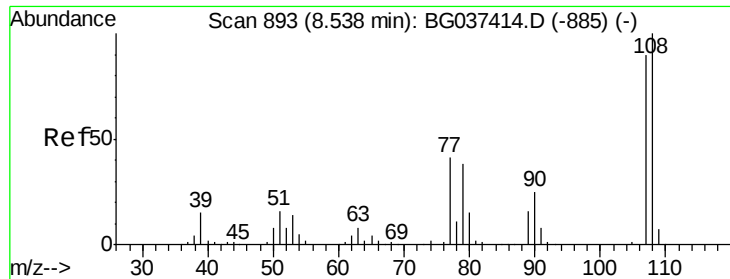
Ion Ratio Lower Upper

45 100

77 11.1 0.0 30.0

79 9.1 0.0 29.0

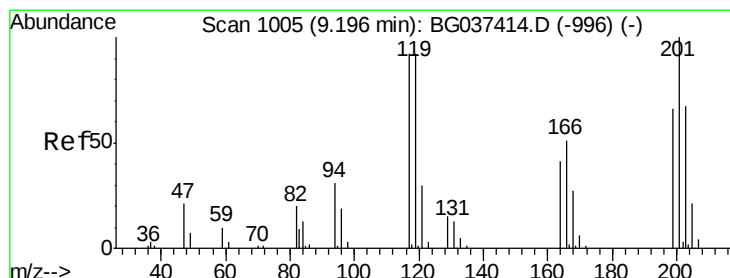
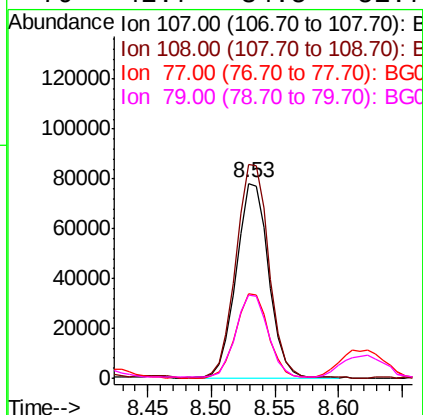
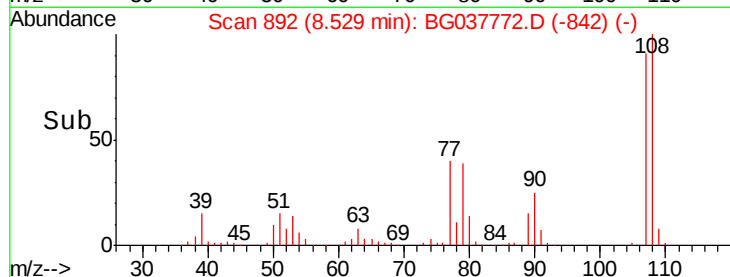
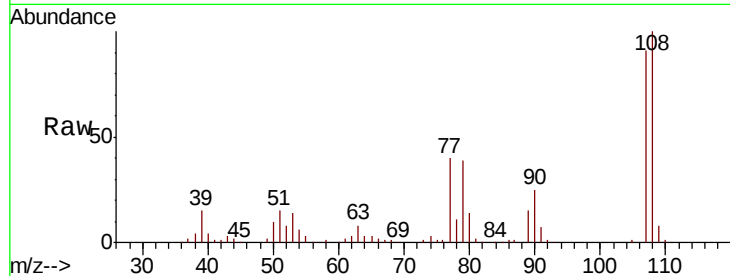




#17  
2-Methylphenol  
Concen: 44.275 ng  
RT: 8.53 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

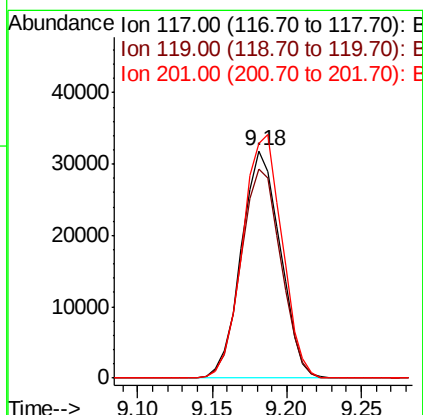
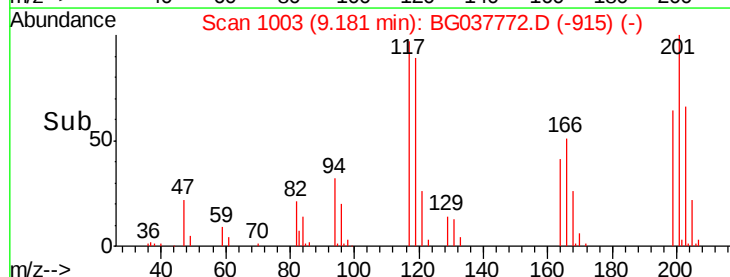
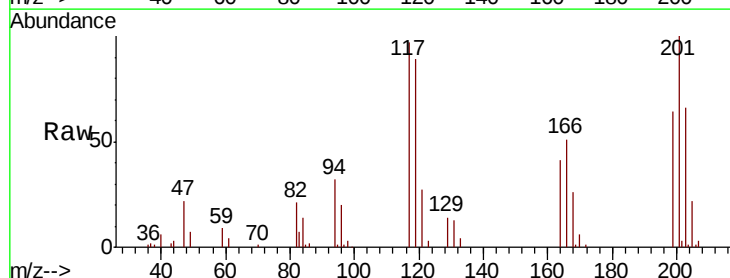
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

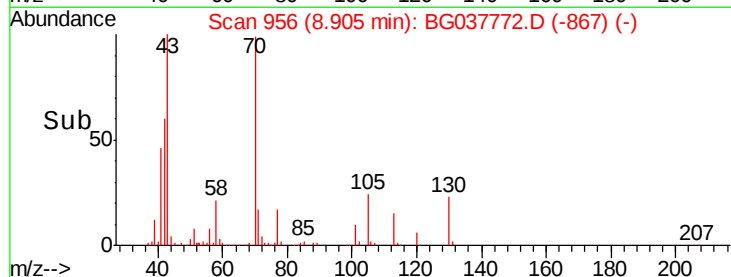
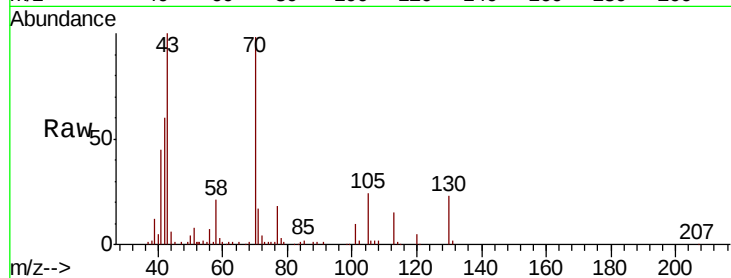
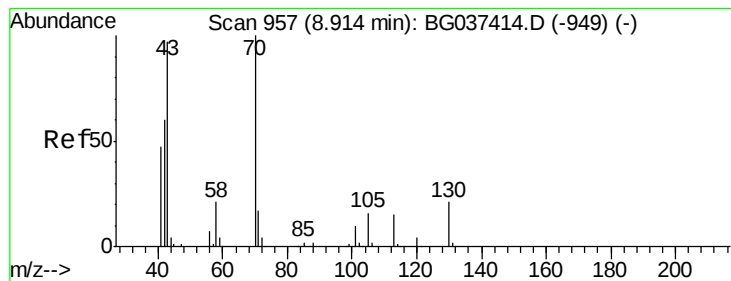
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 137972 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 109.4 | 87.9  | 131.9  |
| 77       | 43.6  | 35.1  | 52.7   |
| 79       | 42.7  | 34.5  | 51.7   |



#18  
Hexachloroethane  
Concen: 42.850 ng  
RT: 9.18 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 57496 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.2  | 74.6  | 111.8 |
| 201      | 106.4 | 80.8  | 121.2 |





#19

n-Nitroso-di-n-propylamine

Concen: 36.767 ng

RT: 8.91 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

Tot Ion: 70 Resp: 113107

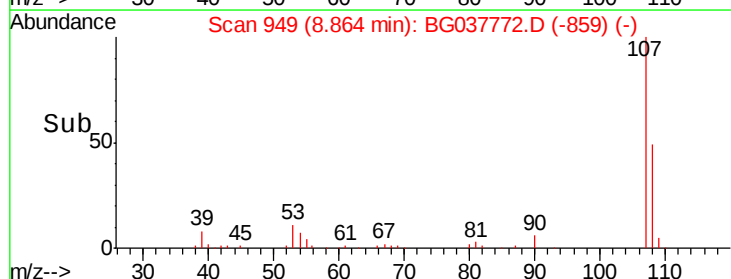
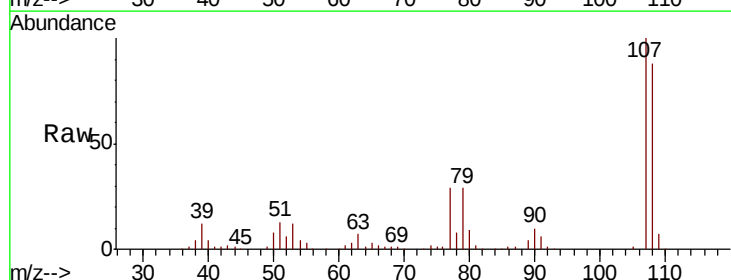
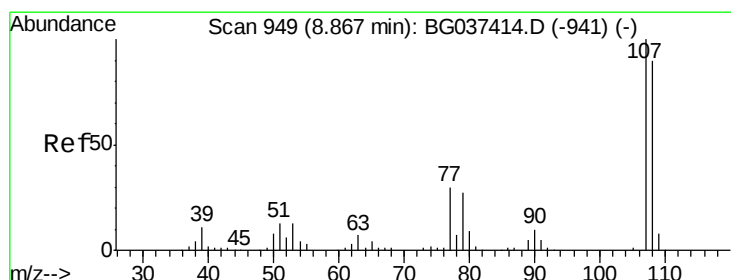
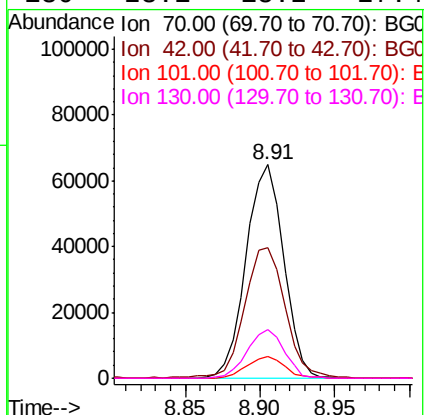
Ion Ratio Lower Upper

70 100

42 61.1 53.9 80.9

101 10.0 8.2 12.2

130 23.1 18.2 27.4



#20

3+4-Methylphenols

Concen: 43.642 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Tgt Ion: 107 Resp: 194442

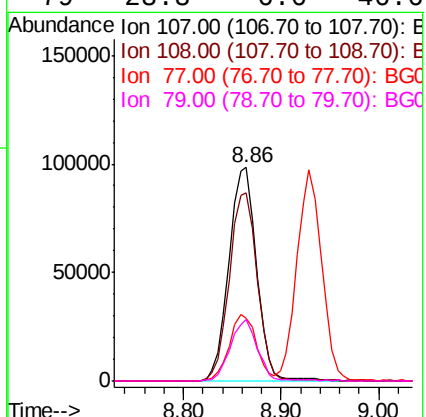
Ion Ratio Lower Upper

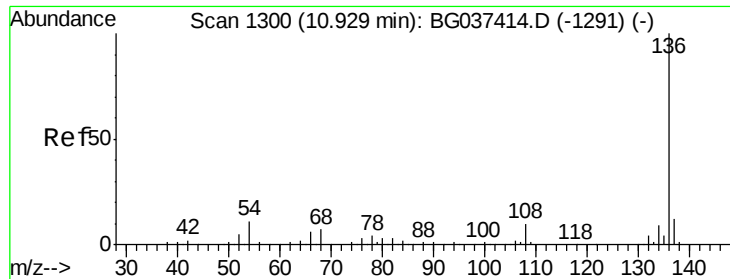
107 100

108 88.2 69.9 109.9

77 29.3 11.2 51.2

79 28.8 6.6 46.6

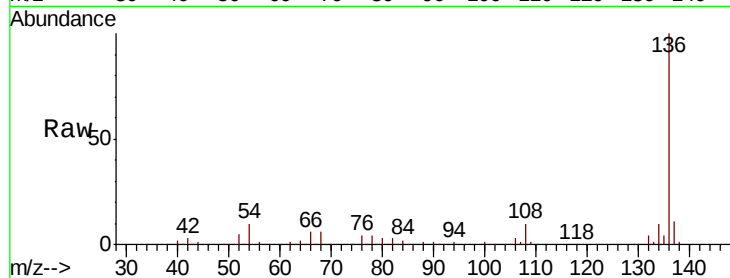




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 227490   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 9.6 14.4 |
| 54          | 10.0  | 7.9 11.9 |
| 68          | 6.5   | 4.8 7.2  |



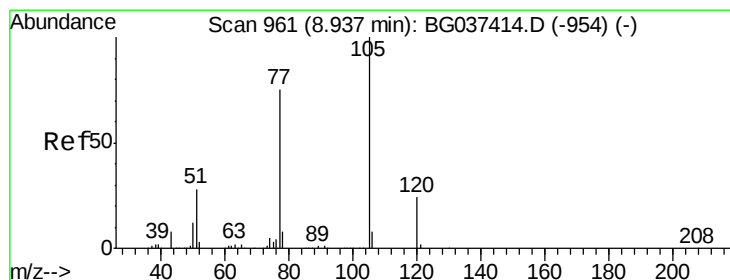
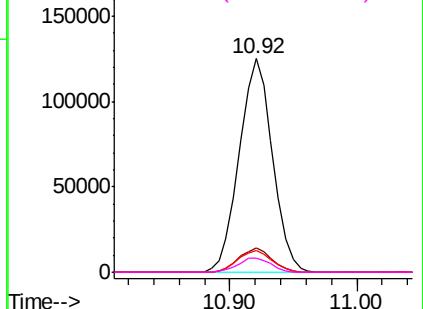
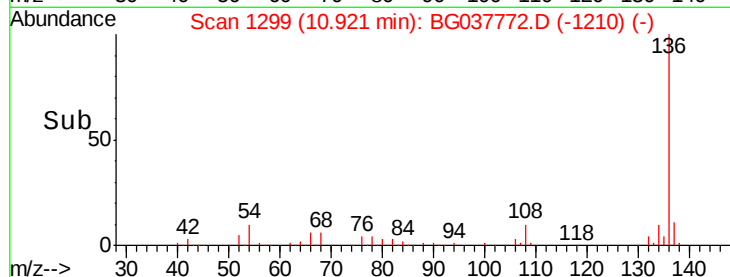
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

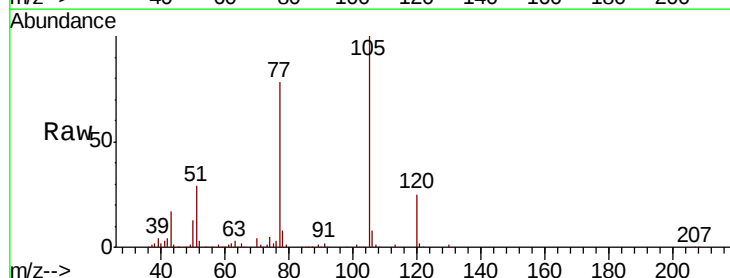
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 39.217 ng  
RT: 8.93 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 223749    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 1.1   | 1.2 1.8#  |
| 51          | 29.5  | 25.0 37.6 |
| 120         | 24.7  | 18.6 28.0 |



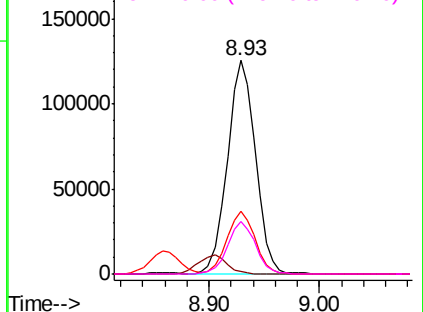
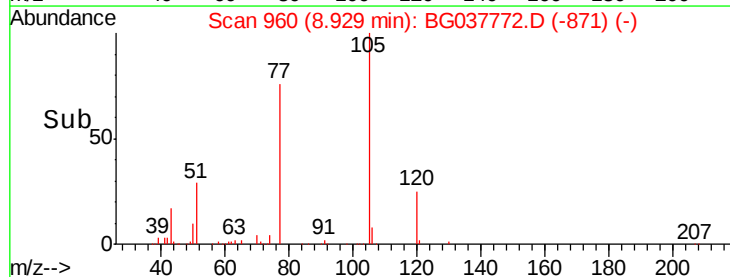
Abundance

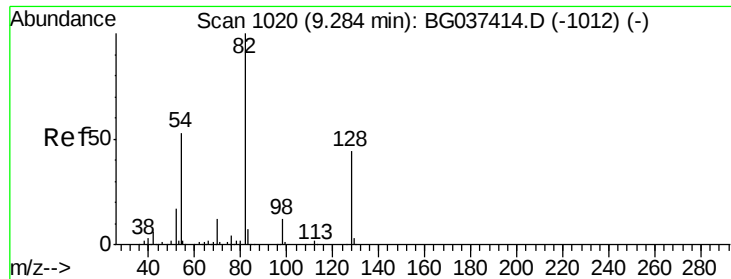
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

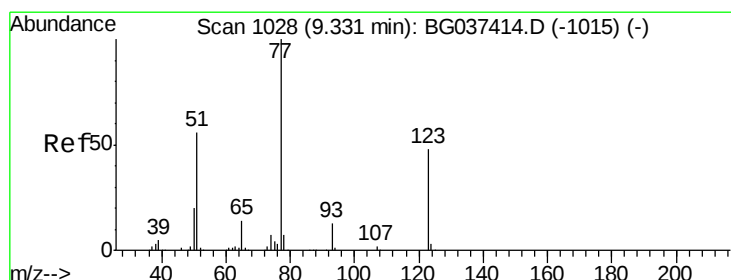
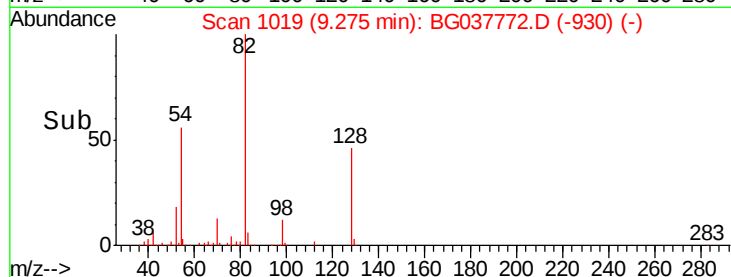
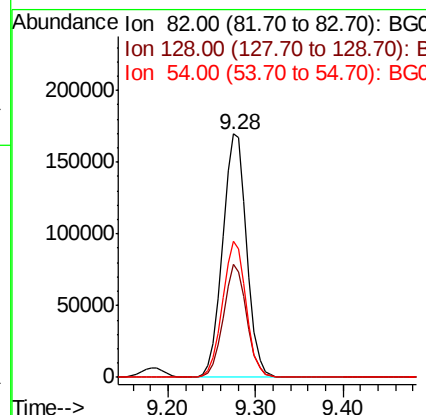
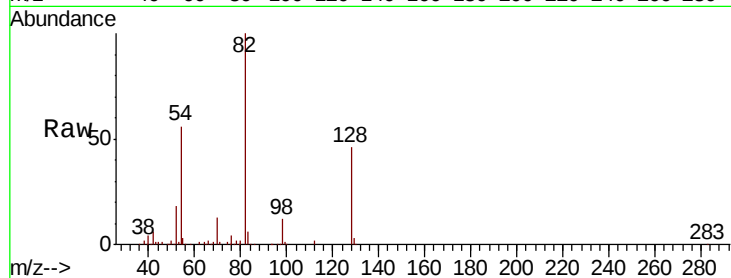




#23  
 Nitrobenzene-d5  
 Concen: 79.418 ng  
 RT: 9.28 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

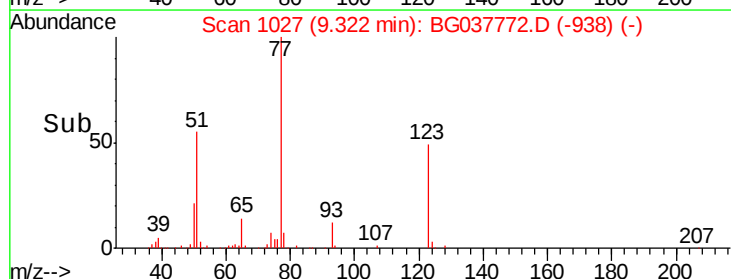
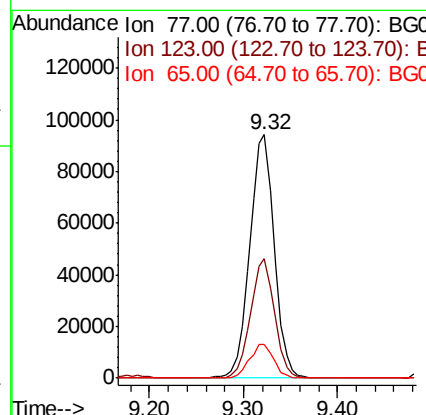
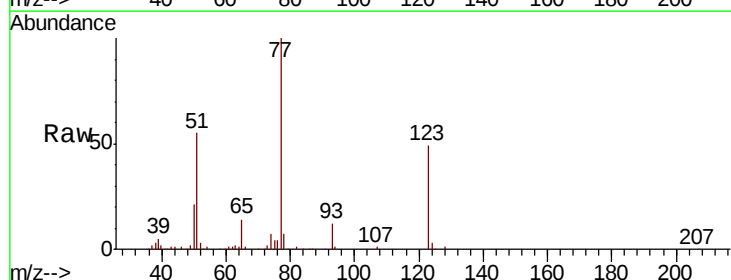
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

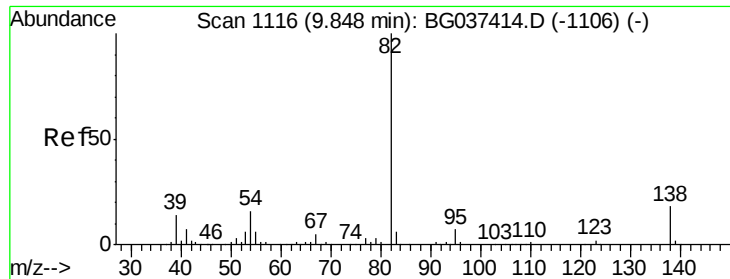
| Tot Ion   | 82    | Resp  | 322513 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.5  | 34.6  | 51.8   |
| 54        | 55.9  | 45.3  | 67.9   |



#24  
 Nitrobenzene  
 Concen: 40.234 ng  
 RT: 9.32 min Scan# 1027  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion   | 77    | Resp  | 169738 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 49.3  | 33.6  | 50.4   |
| 65        | 14.1  | 11.3  | 16.9   |

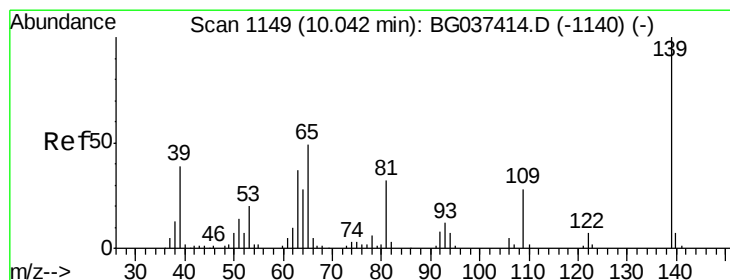
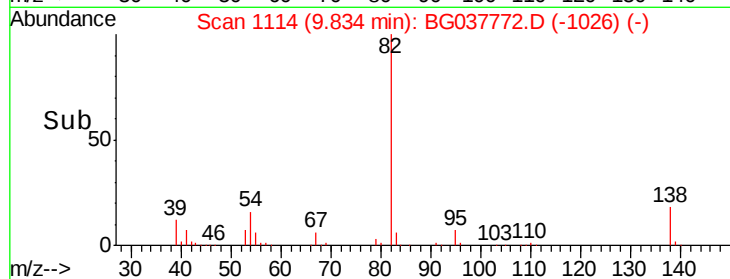
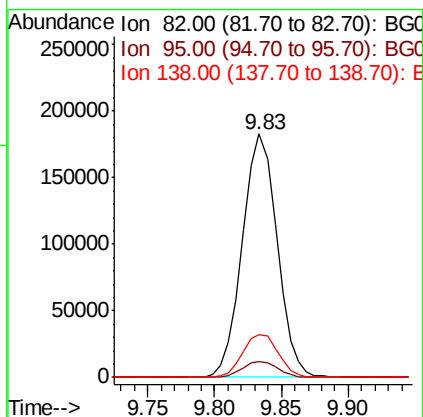
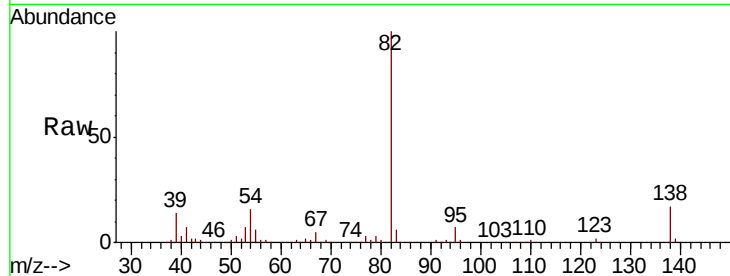




#25  
Isophorone  
Concen: 44.446 ng  
RT: 9.83 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

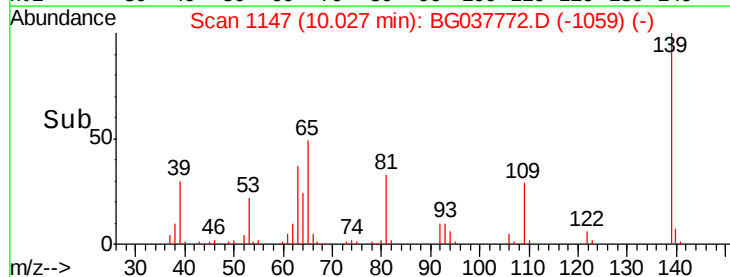
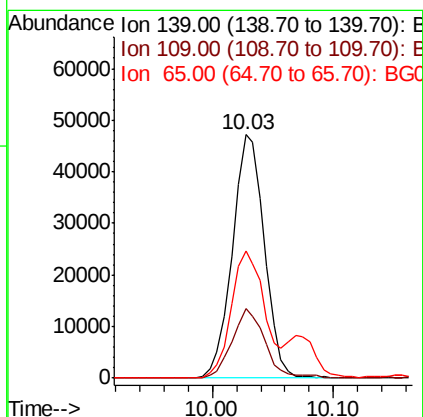
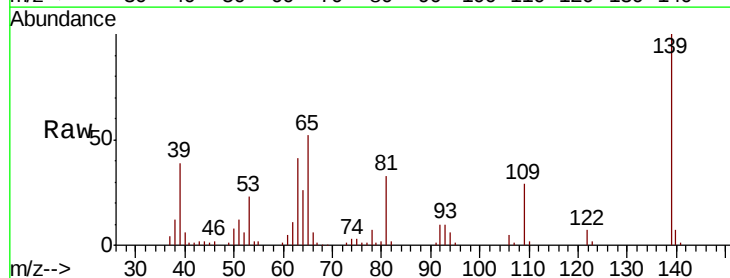
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

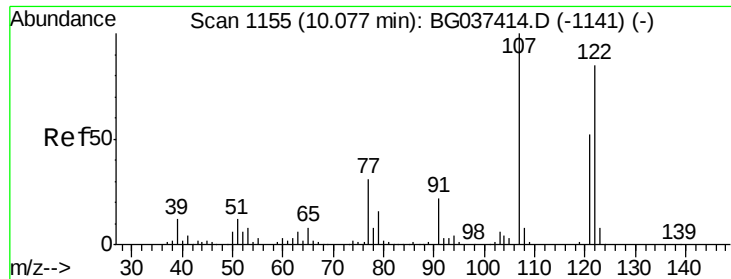
Tot Ion: 82 Resp: 329788  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.3 7.9  
138 17.5 13.3 19.9



#26  
2-Nitrophenol  
Concen: 45.547 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion: 139 Resp: 86562  
Ion Ratio Lower Upper  
139 100  
109 28.6 23.3 34.9  
65 52.1 39.8 59.8

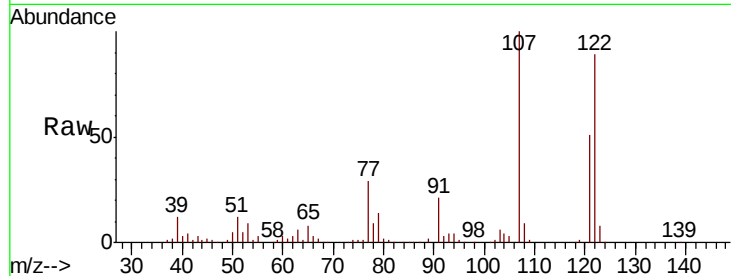




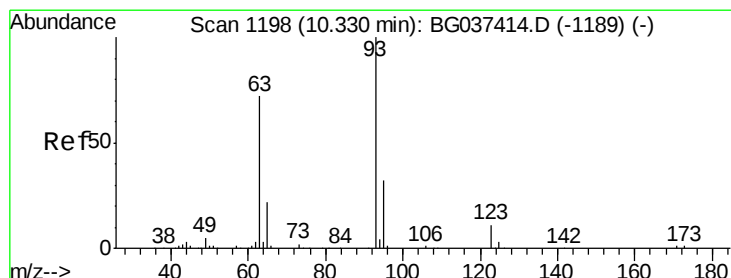
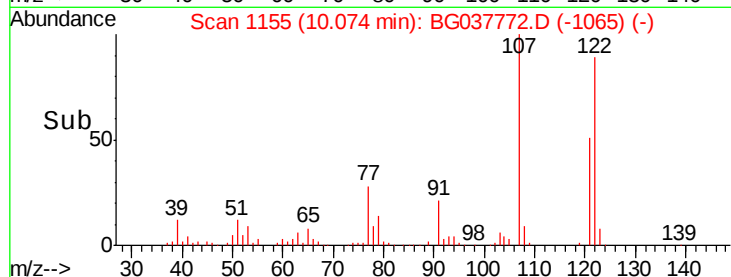
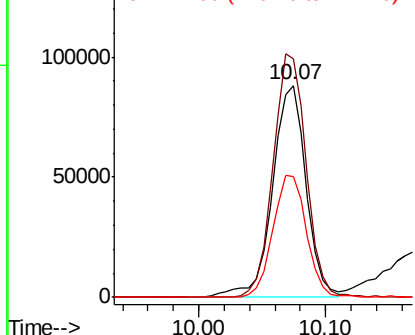
#27  
 2,4-Dimethylphenol  
 Concen: 47.937 ng  
 RT: 10.07 min Scan# 1155  
 Delta R.T. -0.00 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

Tot Ion:122 Resp: 162664  
 Ion Ratio Lower Upper  
 122 100  
 107 112.6 94.2 141.2  
 121 56.9 47.3 70.9

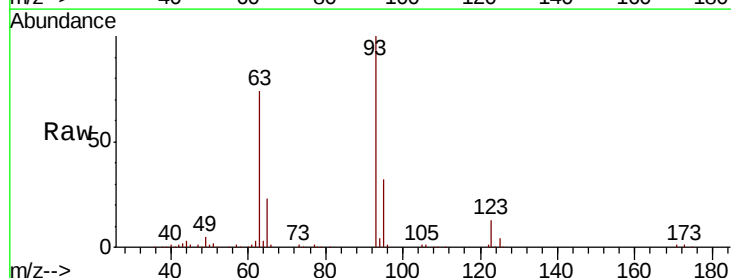


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

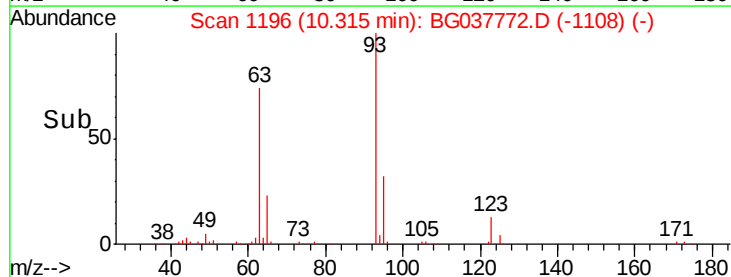
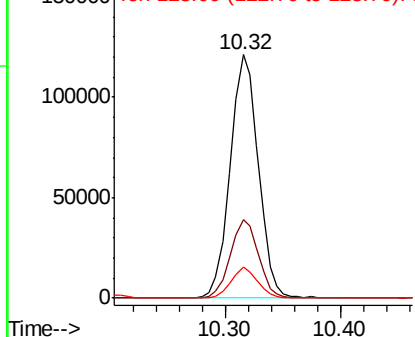


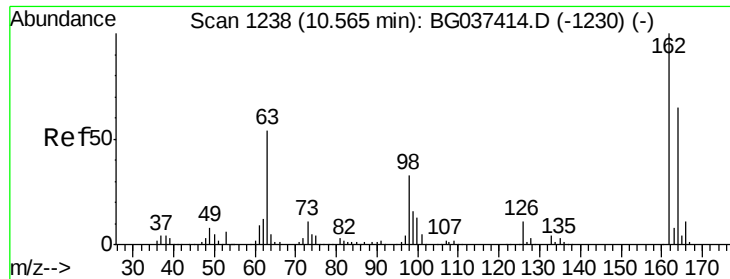
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.992 ng  
 RT: 10.32 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Tgt Ion: 93 Resp: 204140  
 Ion Ratio Lower Upper  
 93 100  
 95 32.3 24.6 37.0  
 123 13.0 9.1 13.7



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

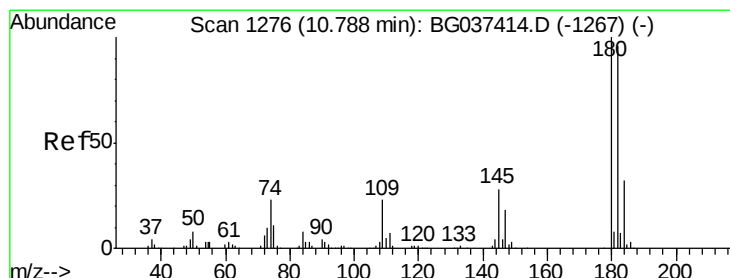
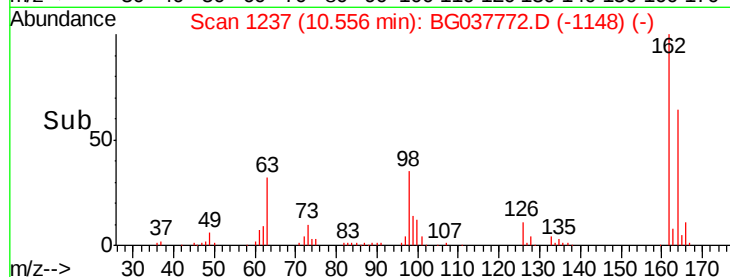
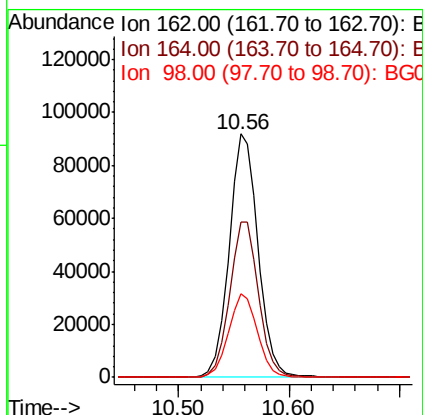
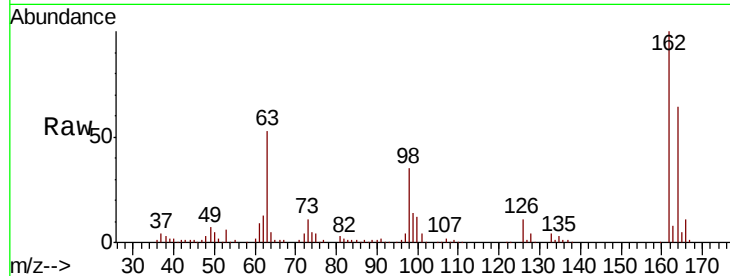




#29  
 2,4-Dichlorophenol  
 Concen: 44.475 ng  
 RT: 10.56 min Scan# 1237  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

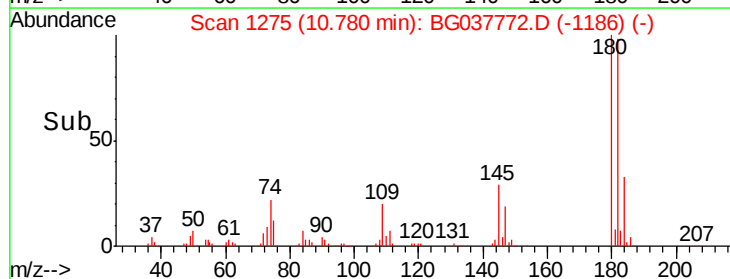
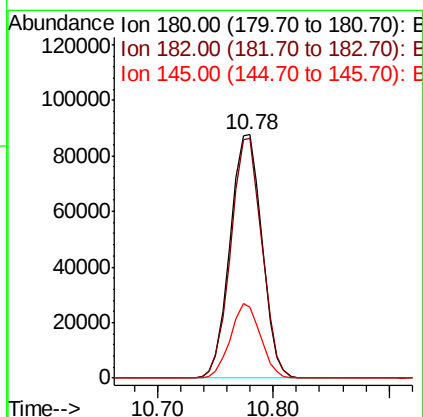
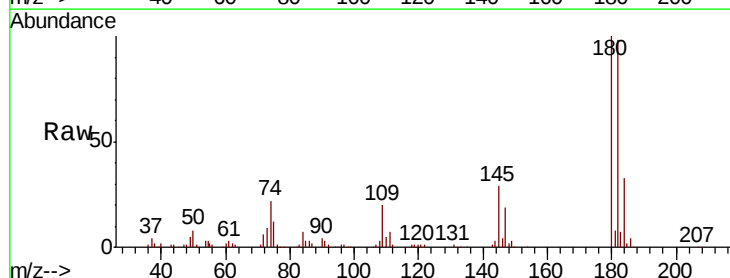
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

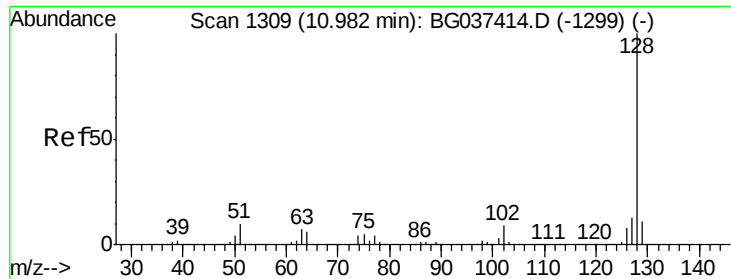
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.9  | 43.2  | 83.2  |
| 98      | 34.5  | 16.0  | 56.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.686 ng  
 RT: 10.78 min Scan# 1275  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.3  | 77.7  | 116.5 |
| 145     | 29.3  | 23.3  | 34.9  |

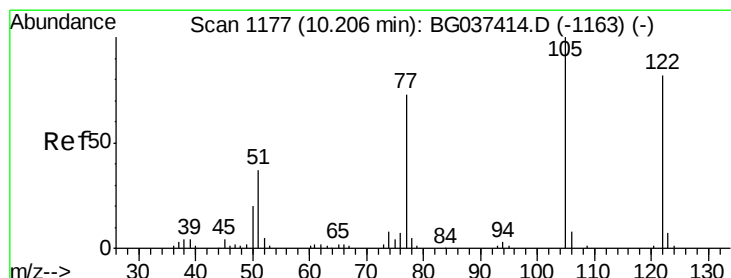
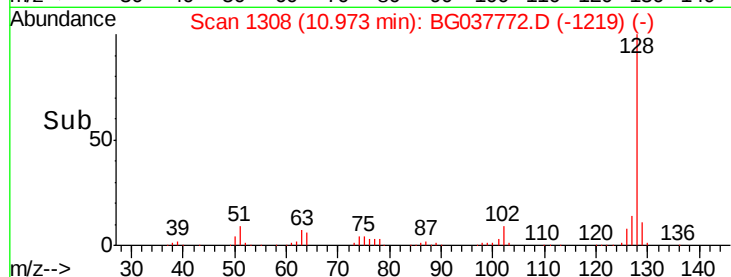
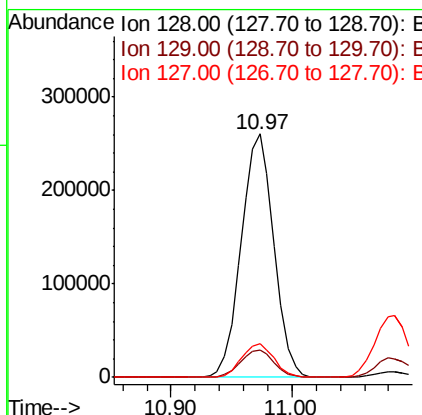
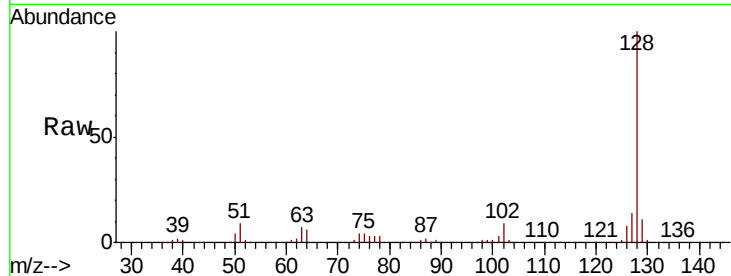




#31  
Naphthalene  
Concen: 43.767 ng  
RT: 10.97 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

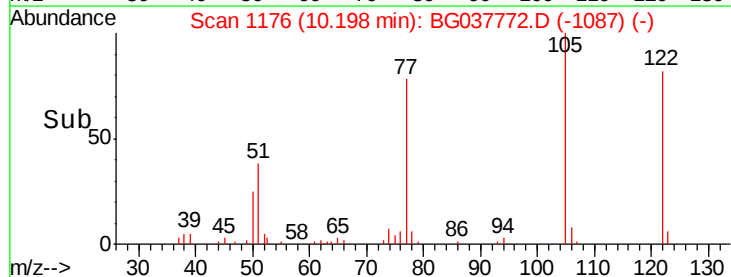
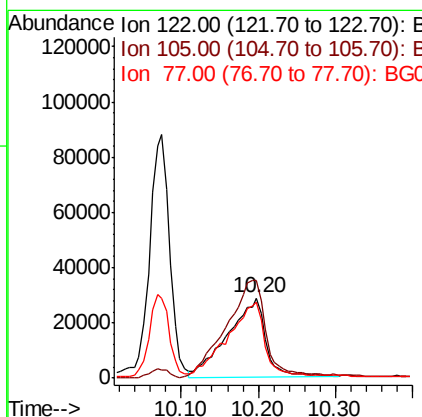
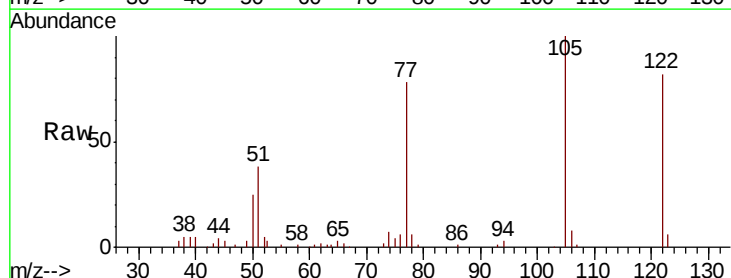
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

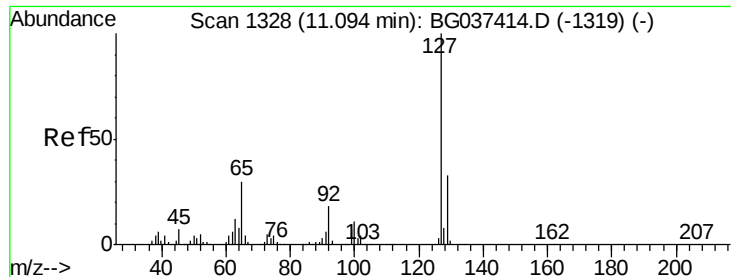
Tot Ion:128 Resp: 489042  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.7 11.1 16.7



#32  
Benzoic acid  
Concen: 44.428 ng  
RT: 10.20 min Scan# 1176  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:122 Resp: 97918  
Ion Ratio Lower Upper  
122 100  
105 122.0 106.7 146.7  
77 94.8 72.2 112.2

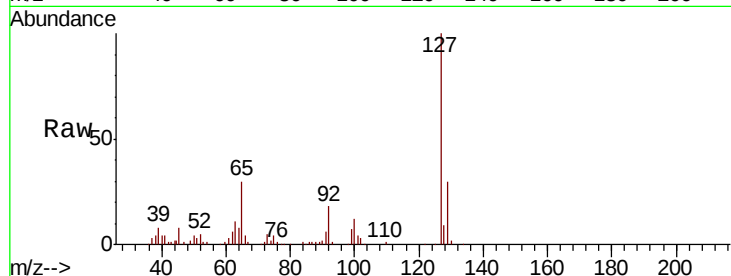




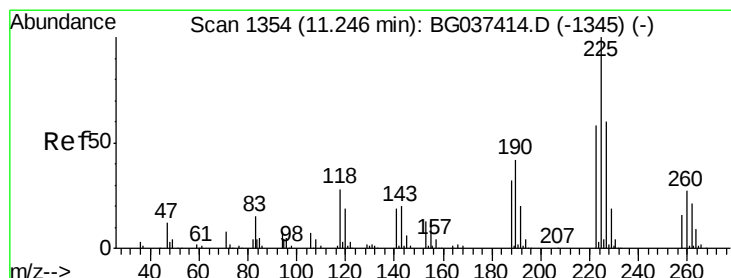
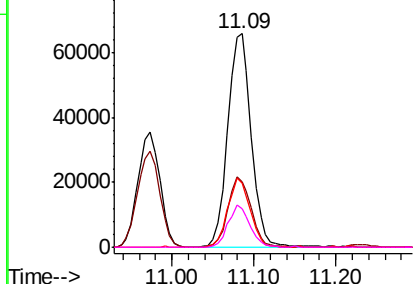
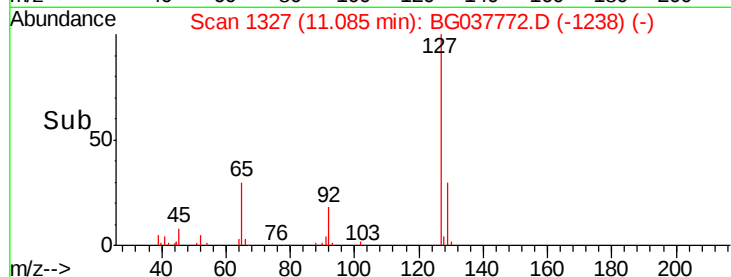
#33  
4-Chloroaniline  
Concen: 25.094 ng  
RT: 11.09 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 131747    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 30.5  | 27.1 40.7 |
| 65          | 30.2  | 26.6 39.8 |
| 92          | 18.1  | 16.4 24.6 |

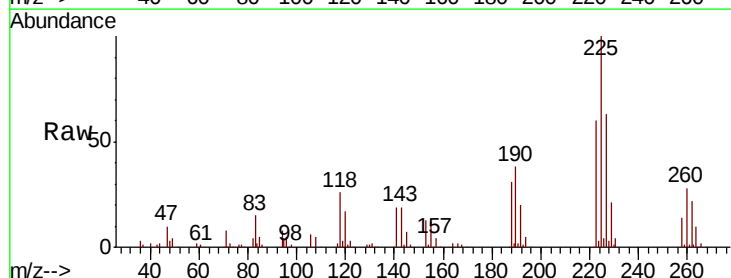


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

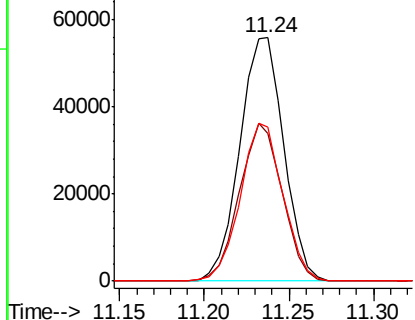
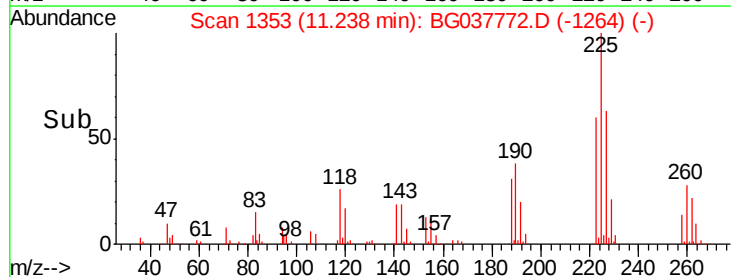


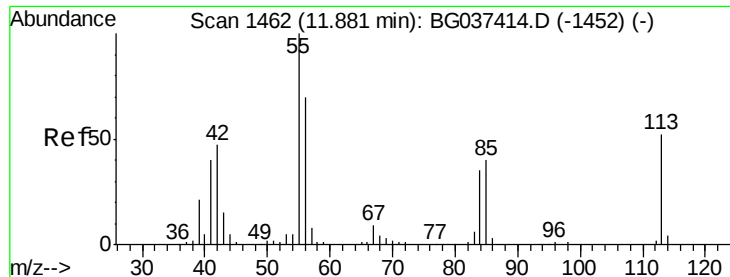
#34  
Hexachlorobutadiene  
Concen: 41.579 ng  
RT: 11.24 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 101247    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 58.0  | 48.2 72.4 |
| 227         | 63.2  | 51.6 77.4 |



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





#35

Caprolactam

Concen: 25.060 ng

RT: 11.87 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

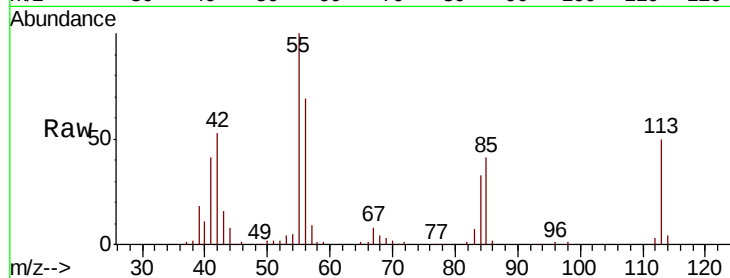
Tot Ion:113 Resp: 37972

Ion Ratio Lower Upper

113 100

55 200.2 176.6 216.6

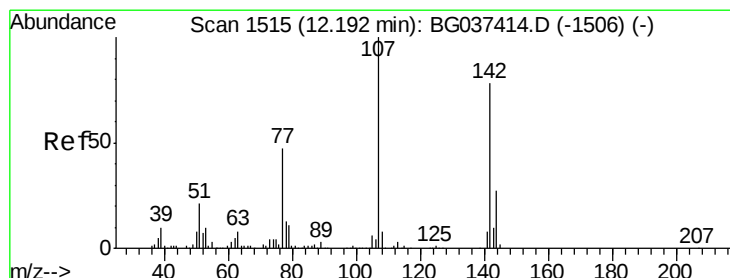
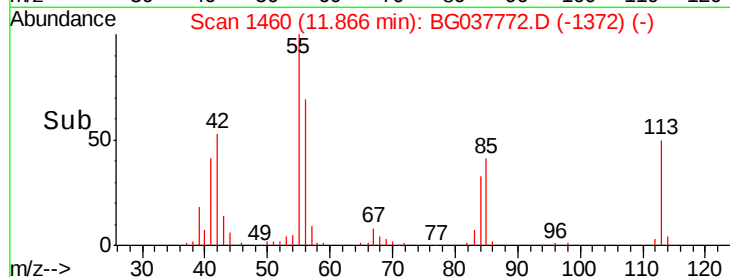
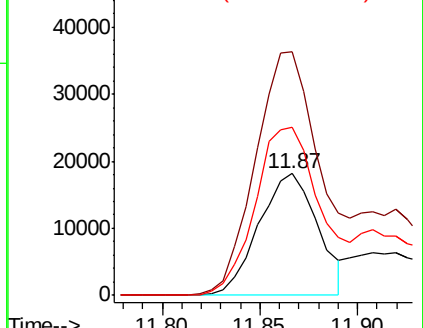
56 138.0 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 42.714 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

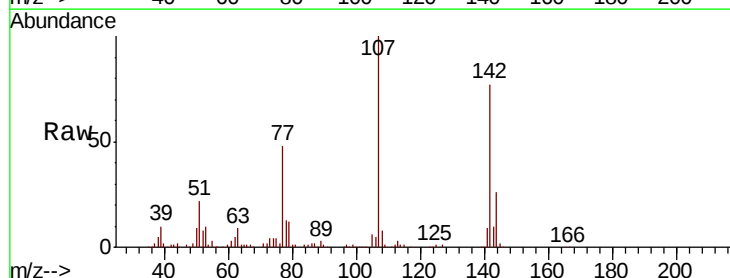
Tgt Ion:107 Resp: 181998

Ion Ratio Lower Upper

107 100

144 25.8 20.7 31.1

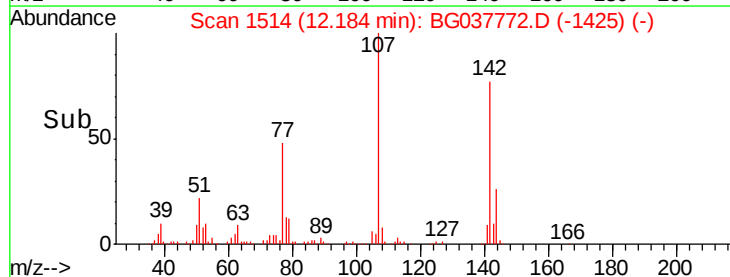
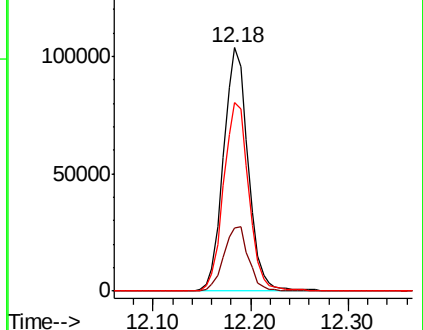
142 77.5 64.4 96.6

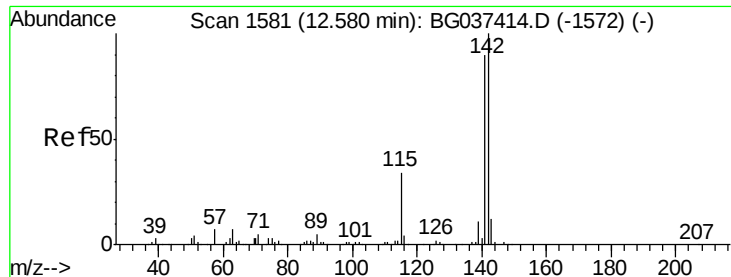


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

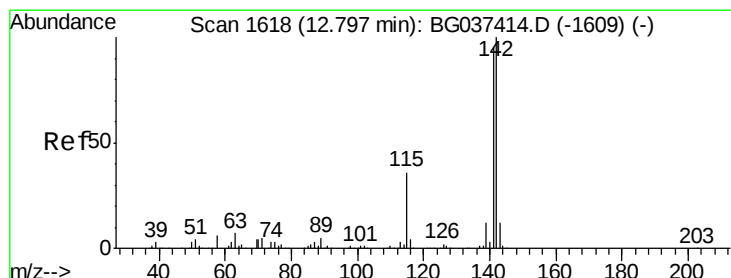
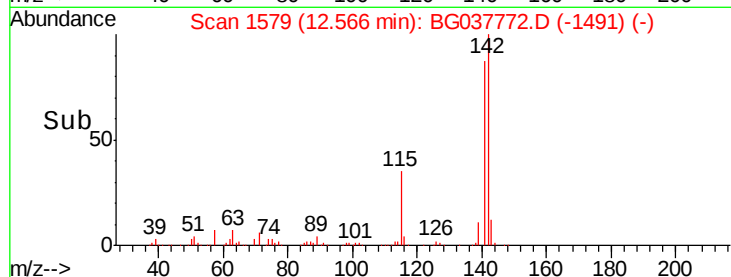
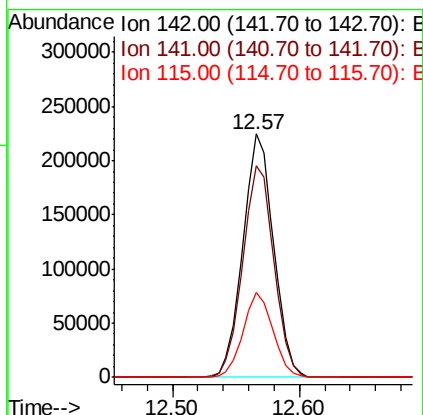
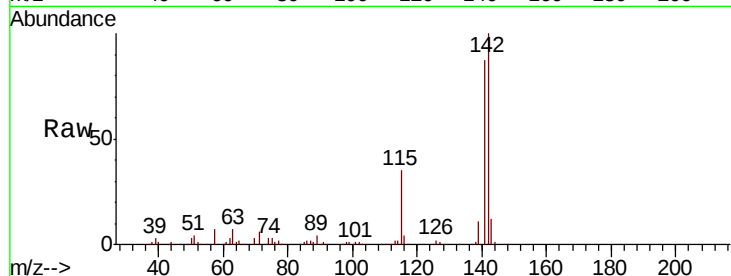




#37  
2-Methylnaphthalene  
Concen: 46.355 ng  
RT: 12.57 min Scan# 1579  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

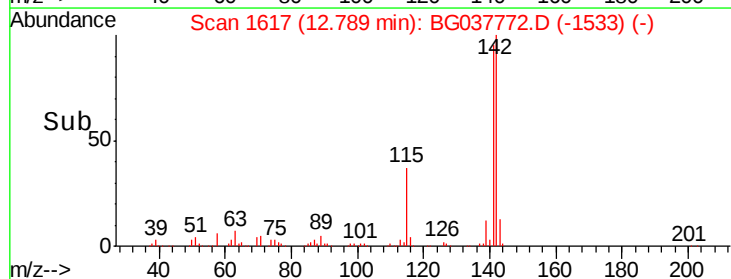
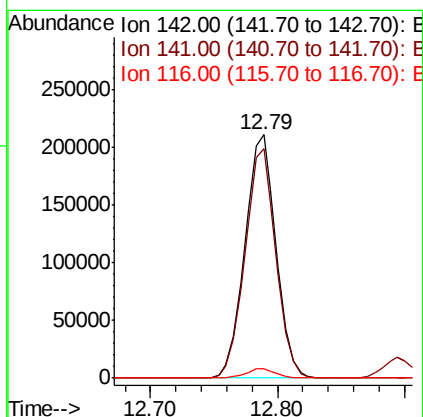
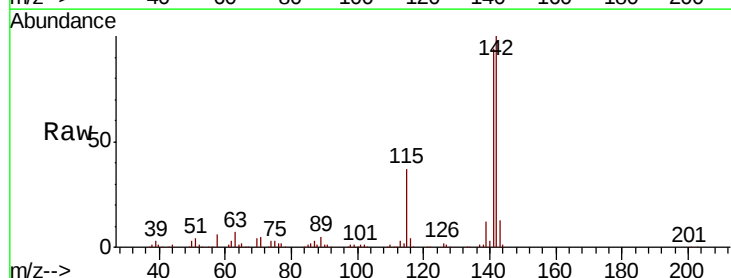
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

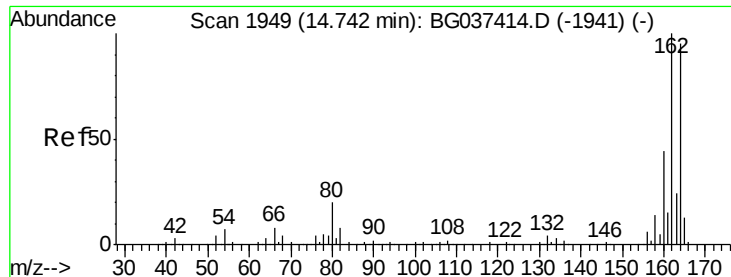
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.9  | 71.9  | 107.9 |
| 115     | 34.8  | 27.8  | 41.8  |



#38  
1-Methylnaphthalene  
Concen: 45.209 ng  
RT: 12.79 min Scan# 1617  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.5  | 75.2  | 112.8 |
| 116     | 3.8   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

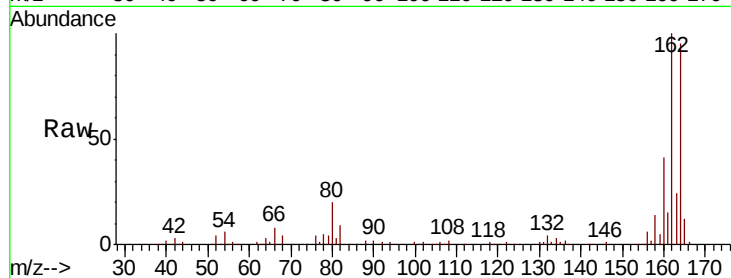
Tot Ion:164 Resp: 152782

Ion Ratio Lower Upper

164 100

162 105.5 81.3 121.9

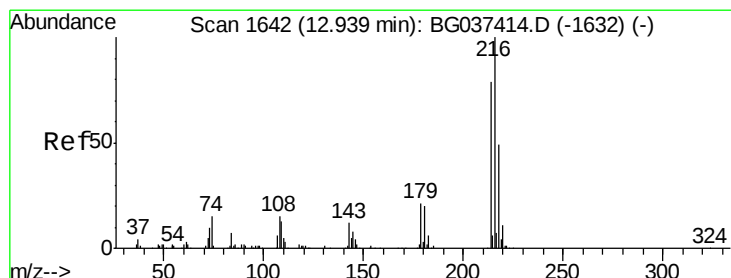
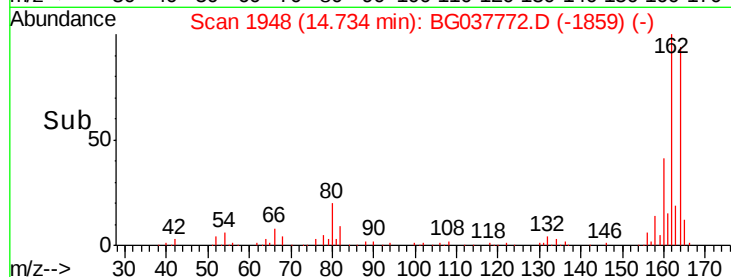
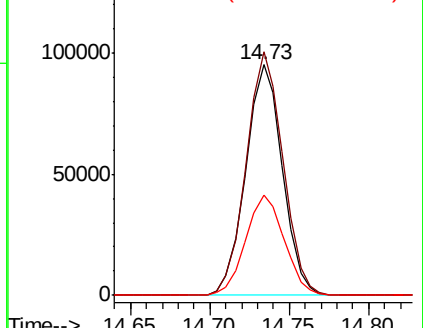
160 43.3 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.132 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Tgt Ion:216 Resp: 197774

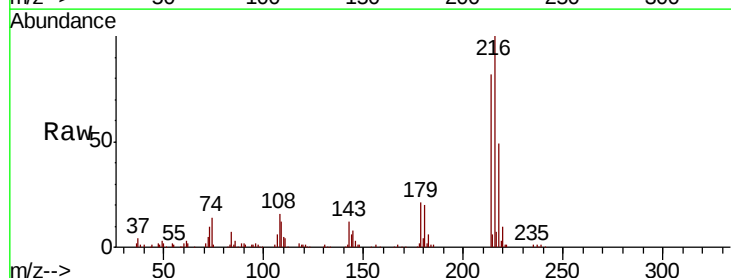
Ion Ratio Lower Upper

216 100

214 80.5 63.8 95.6

179 21.0 17.4 26.0

108 18.9 13.9 20.9

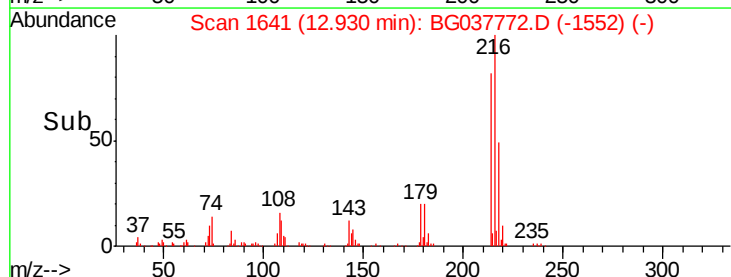
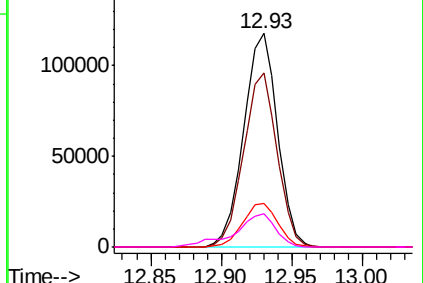


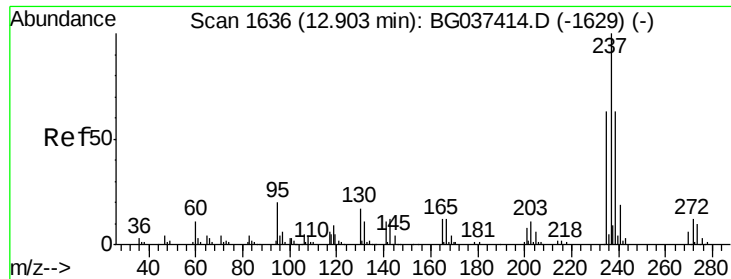
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 108.742 ng

RT: 12.89 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

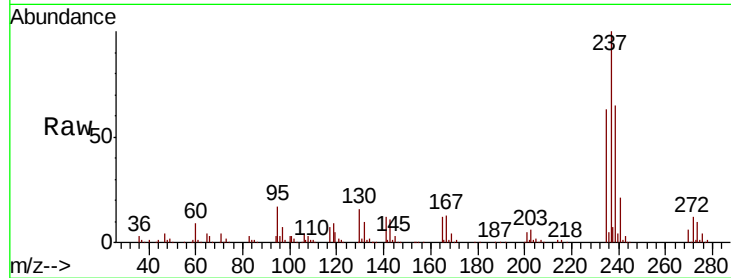
Tot Ion:237 Resp: 255979

Ion Ratio Lower Upper

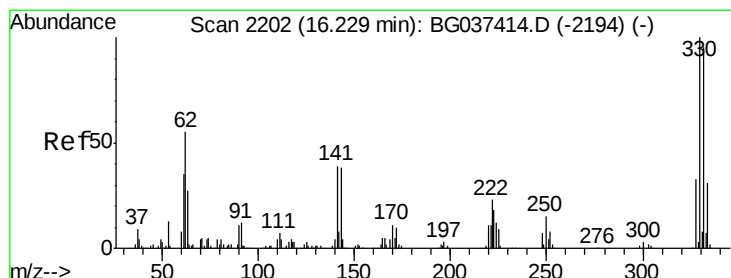
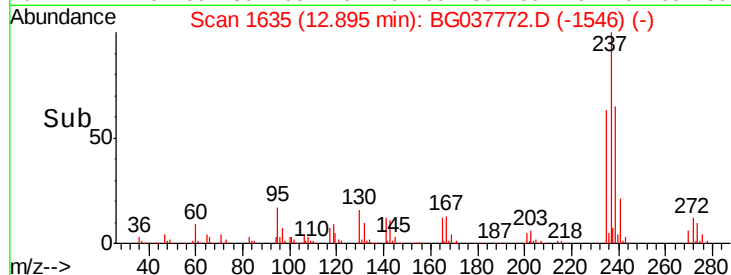
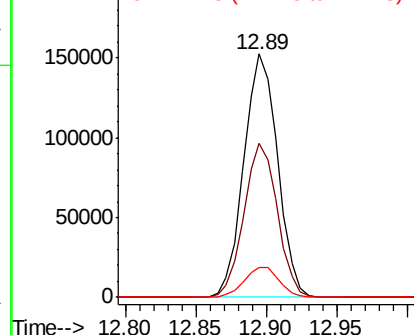
237 100

235 63.5 42.5 82.5

272 12.3 0.0 31.6



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 161.919 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

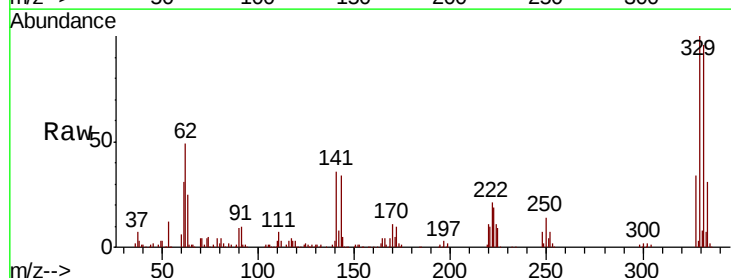
Tgt Ion:330 Resp: 269818

Ion Ratio Lower Upper

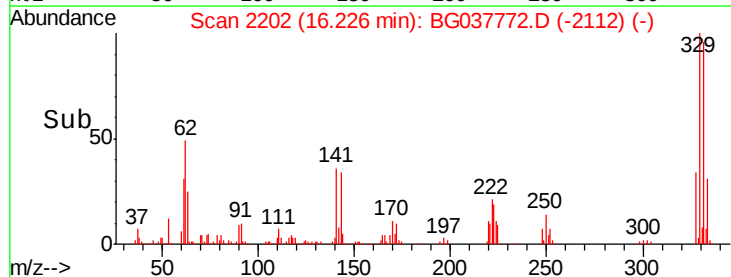
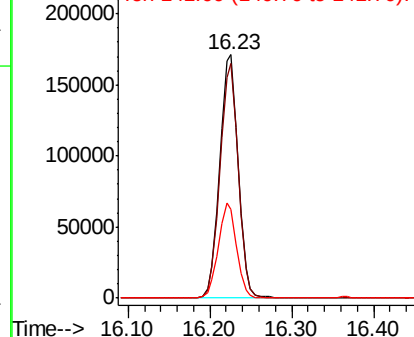
330 100

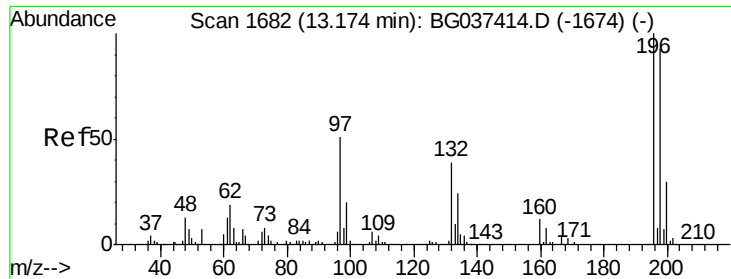
332 95.6 78.4 117.6

141 38.2 32.2 48.2



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

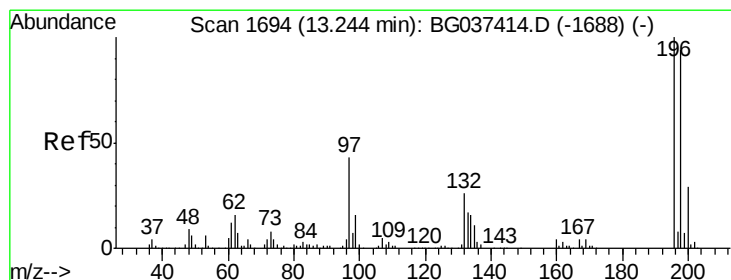
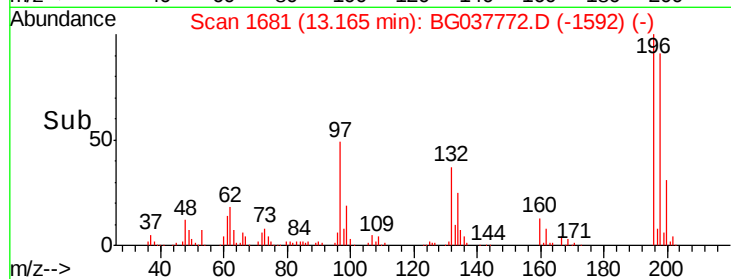
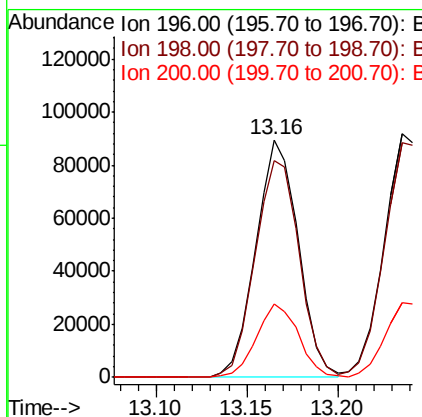
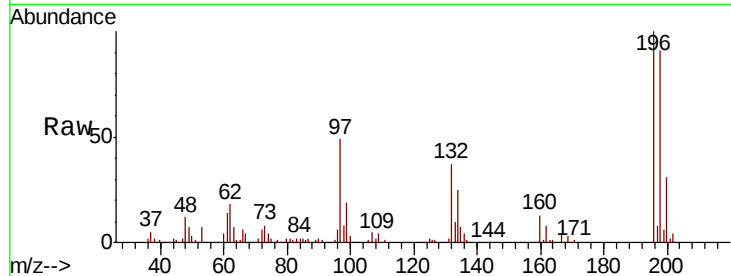




#43  
 2,4,6-Trichlorophenol  
 Concen: 44.247 ng  
 RT: 13.16 min Scan# 1681  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

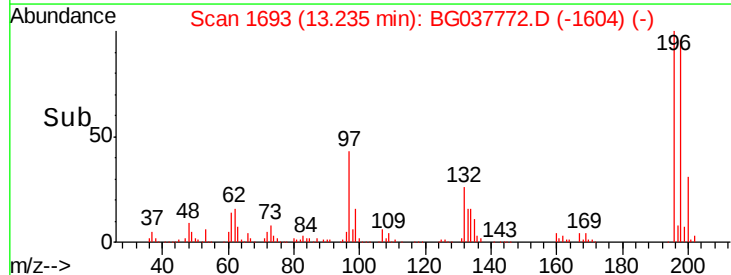
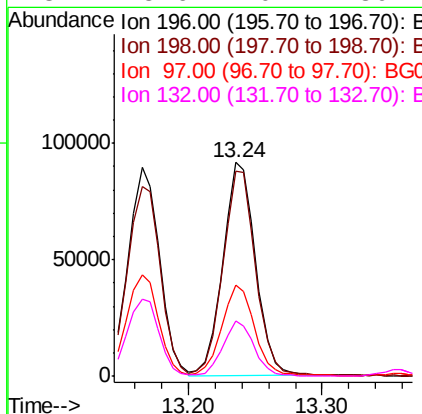
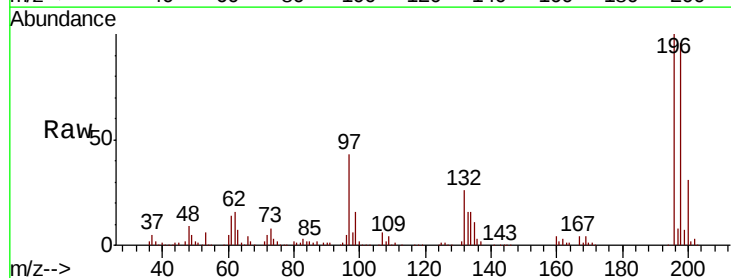
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

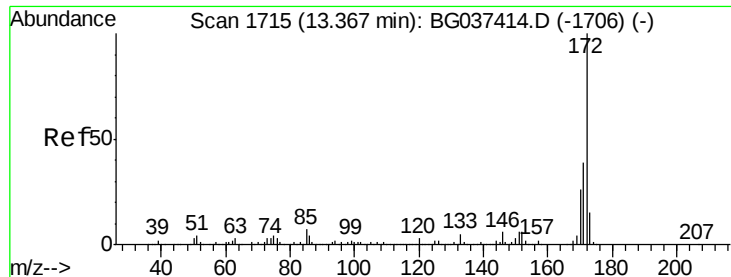
Tot Ion:196 Resp: 145675  
 Ion Ratio Lower Upper  
 196 100  
 198 91.1 76.4 114.6  
 200 31.1 24.9 37.3



#44  
 2,4,5-Trichlorophenol  
 Concen: 43.477 ng  
 RT: 13.24 min Scan# 1693  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Tgt Ion:196 Resp: 155849  
 Ion Ratio Lower Upper  
 196 100  
 198 96.2 74.2 111.2  
 97 42.7 34.1 51.1  
 132 25.6 20.2 30.4

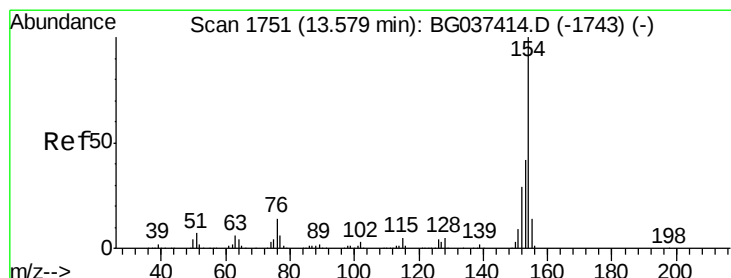
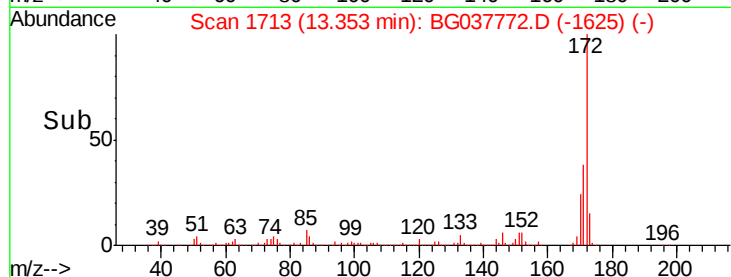
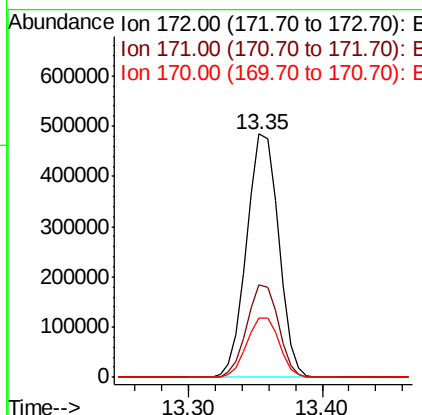
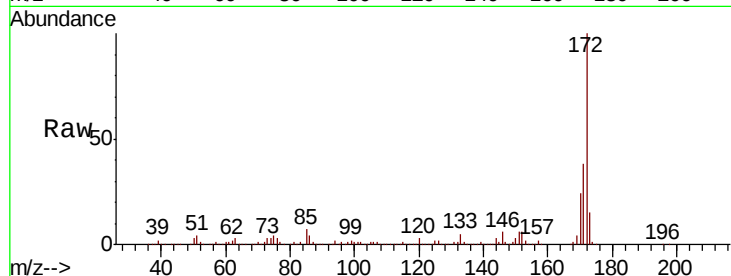




#45  
2-Fluorobiphenyl  
Concen: 79.165 ng  
RT: 13.35 min Scan# 1713  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

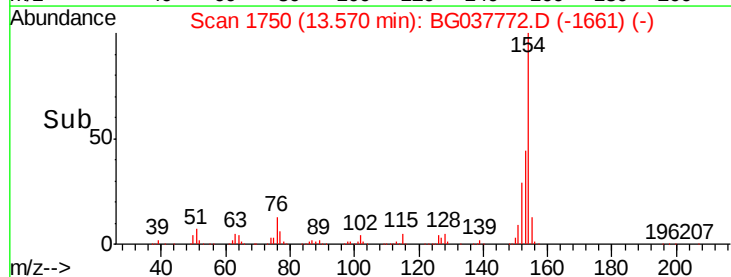
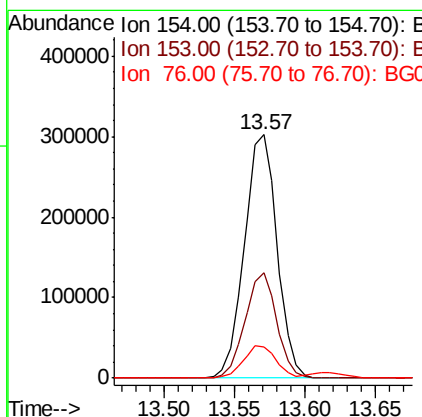
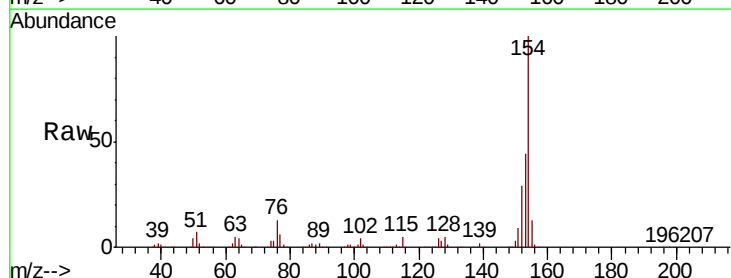
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

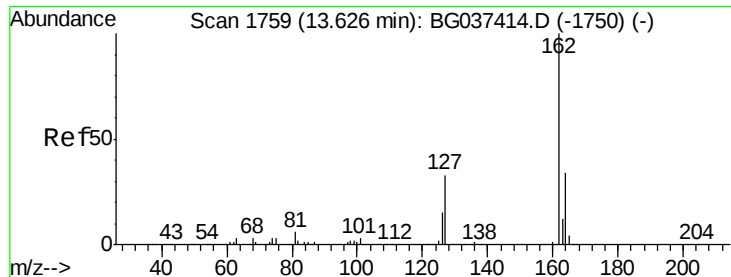
Tot Ion:172 Resp: 802084  
Ion Ratio Lower Upper  
172 100  
171 38.1 31.0 46.4  
170 24.4 20.2 30.2



#46  
1,1'-Biphenyl  
Concen: 38.753 ng  
RT: 13.57 min Scan# 1750  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:154 Resp: 490346  
Ion Ratio Lower Upper  
154 100  
153 43.5 22.1 62.1  
76 13.0 0.0 33.2

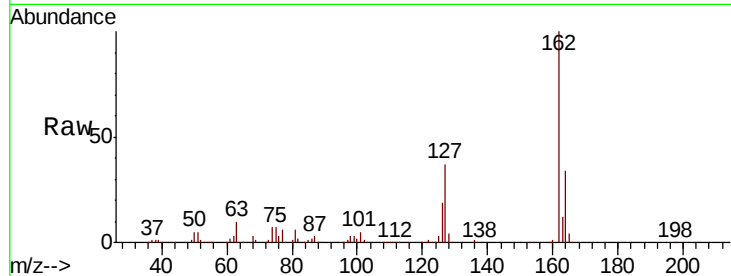




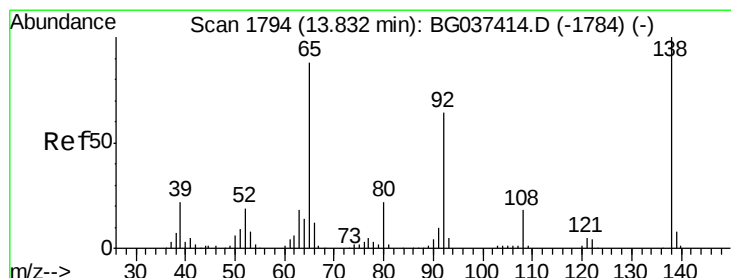
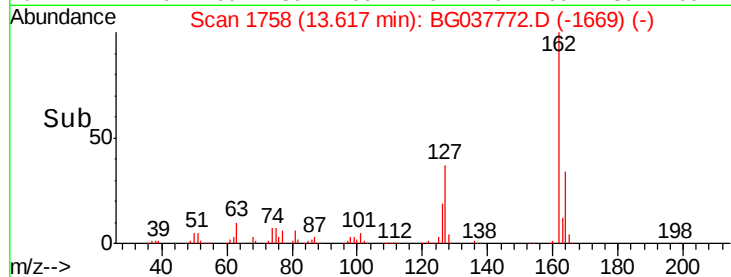
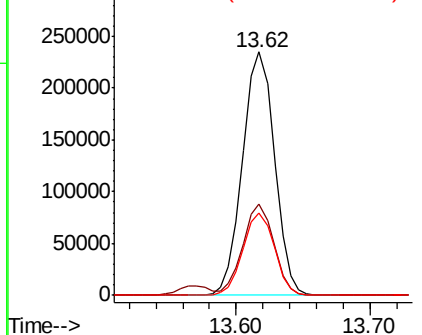
#47  
 2-Chloronaphthalene  
 Concen: 40.722 ng  
 RT: 13.62 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.3  | 30.5  | 45.7  |
| 164     | 33.6  | 26.4  | 39.6  |

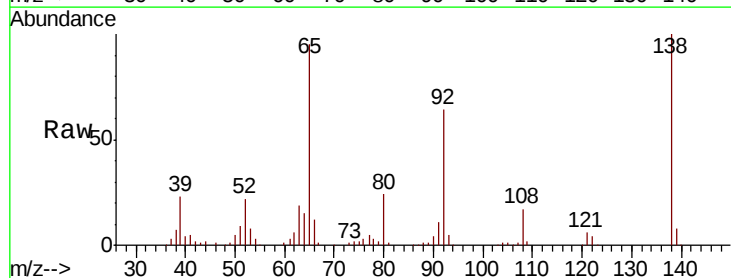


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

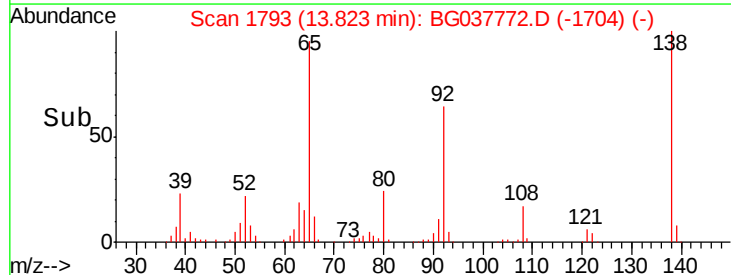
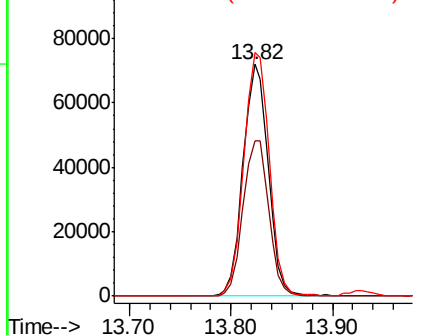


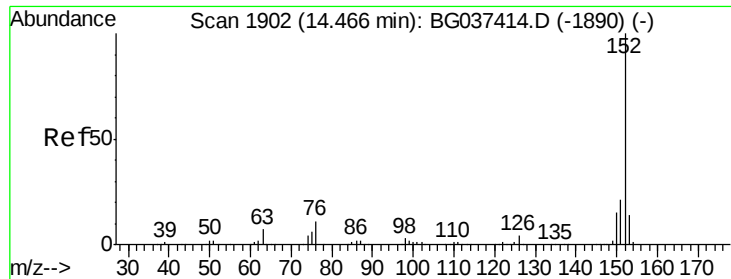
#48  
 2-Nitroaniline  
 Concen: 42.793 ng  
 RT: 13.82 min Scan# 1793  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 67.0  | 53.2  | 79.8  |
| 138     | 105.0 | 79.3  | 118.9 |



Abundance Ion 65.00 (64.70 to 65.70): BGC  
 Ion 92.00 (91.70 to 92.70): BGC  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.071 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

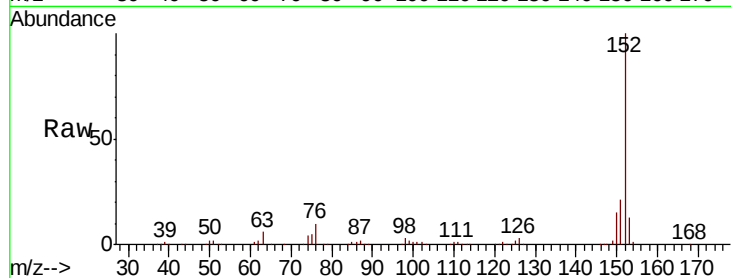
Tot Ion:152 Resp: 634603

Ion Ratio Lower Upper

152 100

151 20.9 17.1 25.7

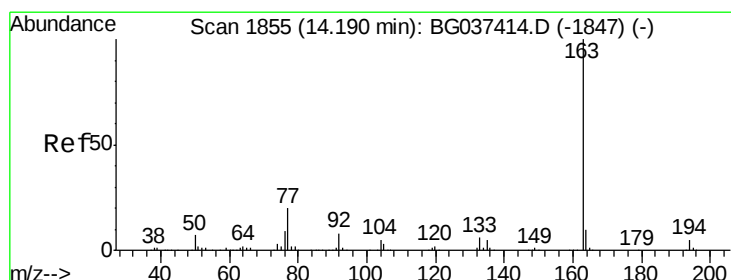
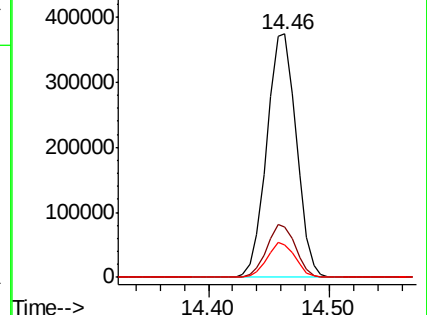
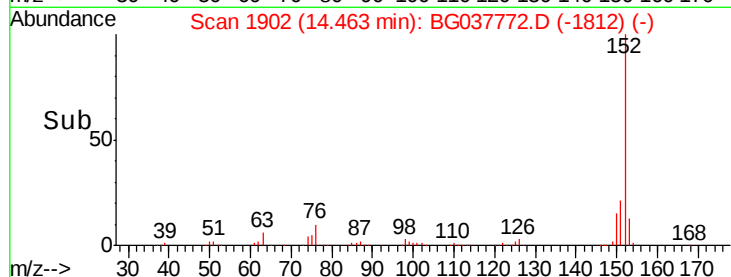
153 13.4 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.484 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

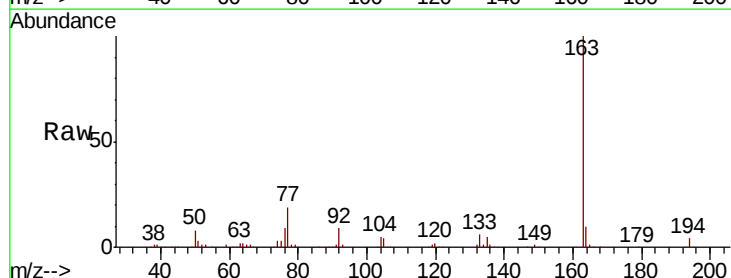
Tgt Ion:163 Resp: 490319

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

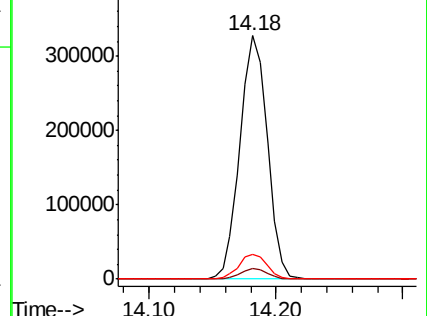
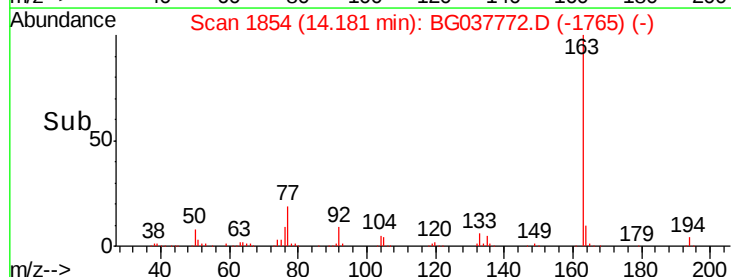
164 10.3 8.5 12.7

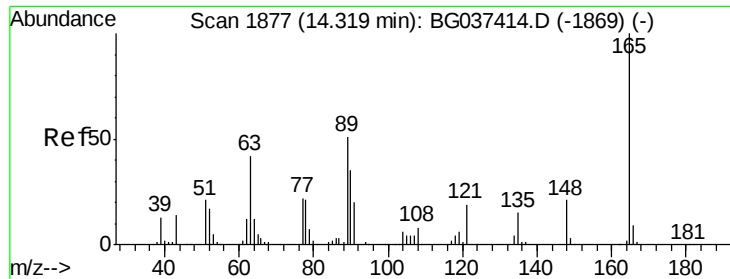


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

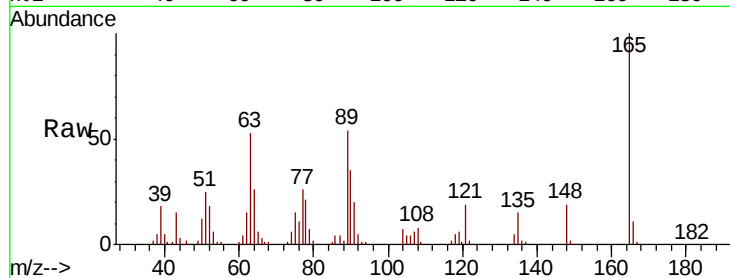




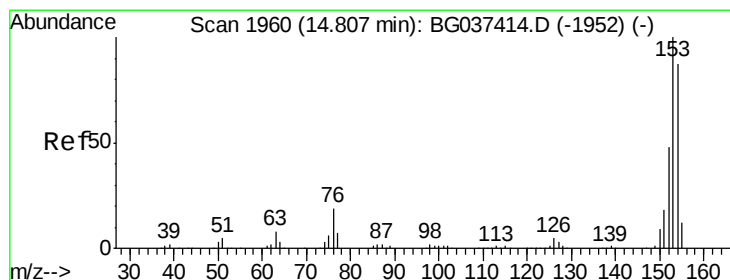
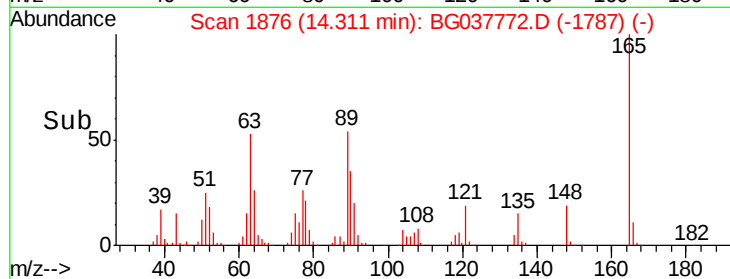
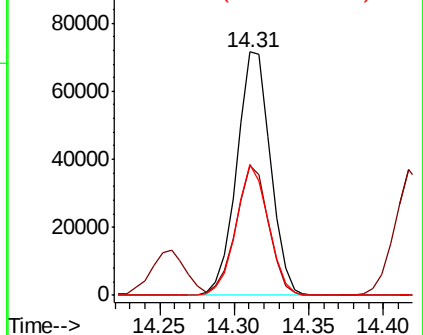
#51  
2,6-Dinitrotoluene  
Concen: 42.845 ng  
RT: 14.31 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

Tot Ion:165 Resp: 112028  
Ion Ratio Lower Upper  
165 100  
63 53.3 43.4 65.2  
89 53.5 45.8 68.6

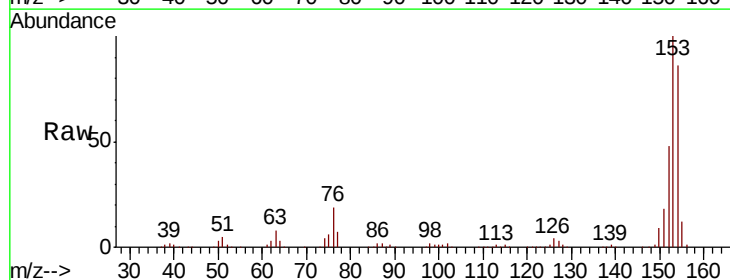


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG

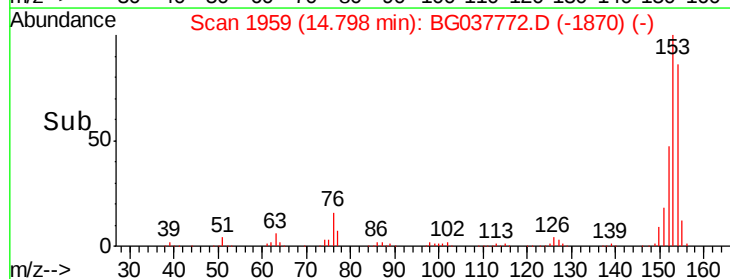
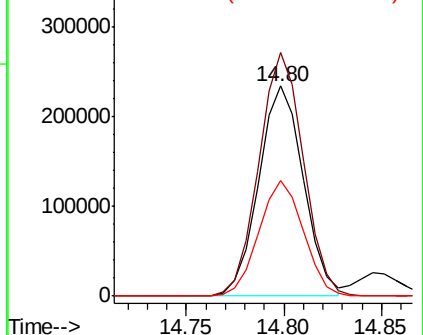


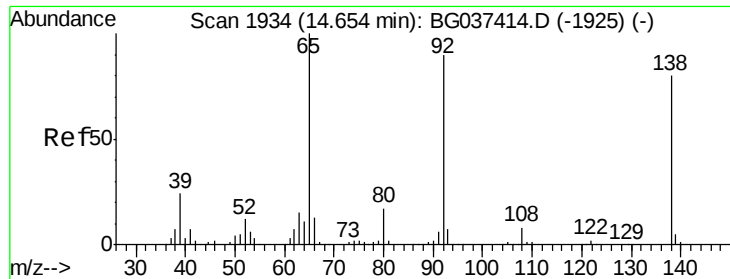
#52  
Acenaphthene  
Concen: 41.930 ng  
RT: 14.80 min Scan# 1959  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:154 Resp: 371845  
Ion Ratio Lower Upper  
154 100  
153 115.8 93.4 140.0  
152 55.2 44.7 67.1



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





#53

3-Nitroaniline

Concen: 33.575 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

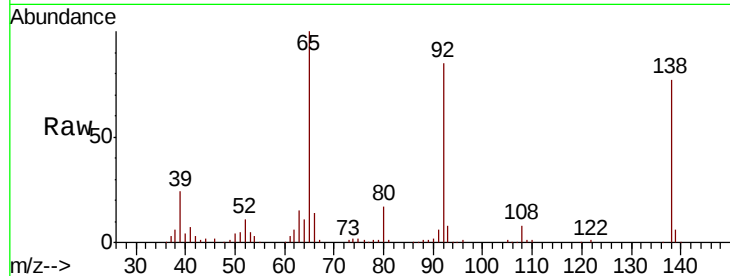
Tot Ion:138 Resp: 97459

Ion Ratio Lower Upper

138 100

108 9.8 11.0 16.6#

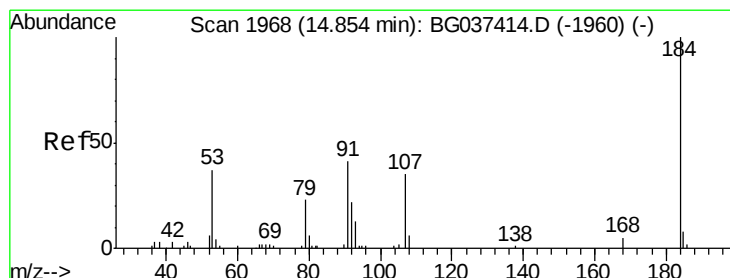
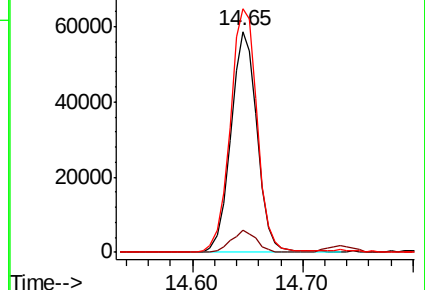
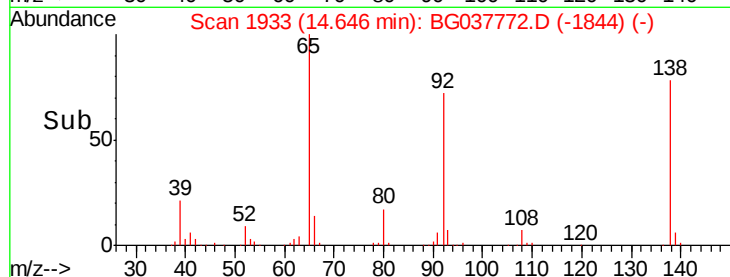
92 110.2 95.2 142.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 74.888 ng

RT: 14.85 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

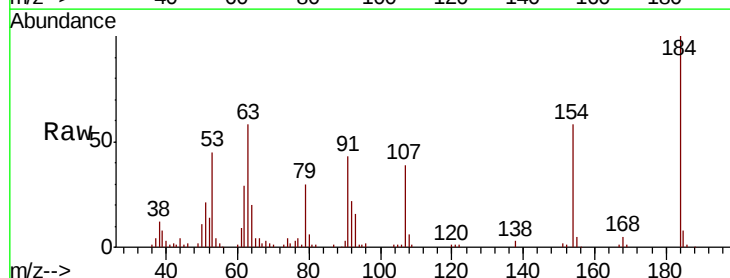
Tgt Ion:184 Resp: 83231

Ion Ratio Lower Upper

184 100

63 58.3 42.6 63.8

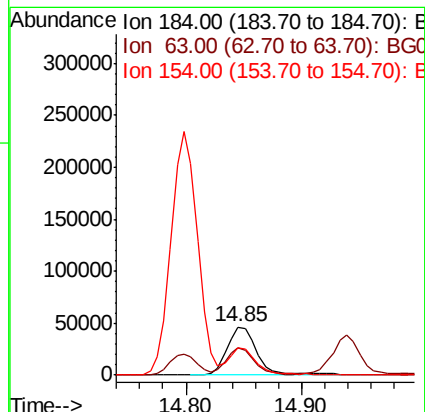
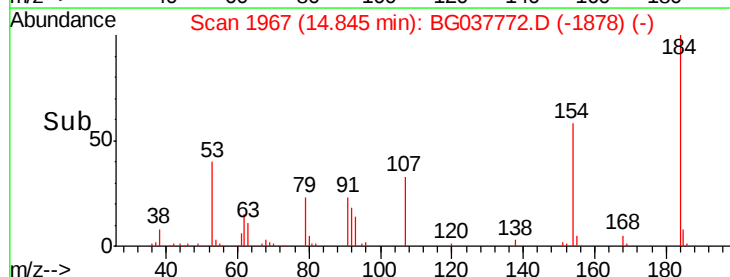
154 58.0 41.8 62.6

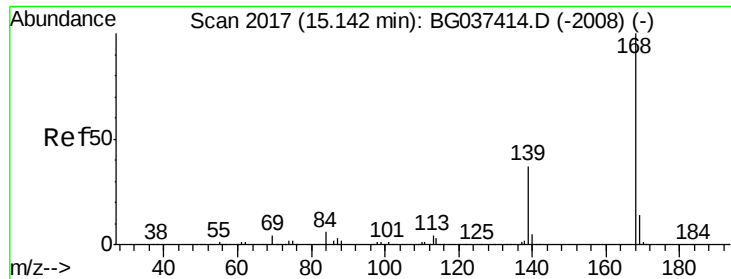


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

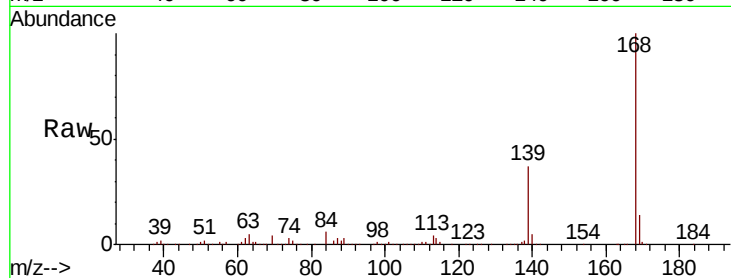




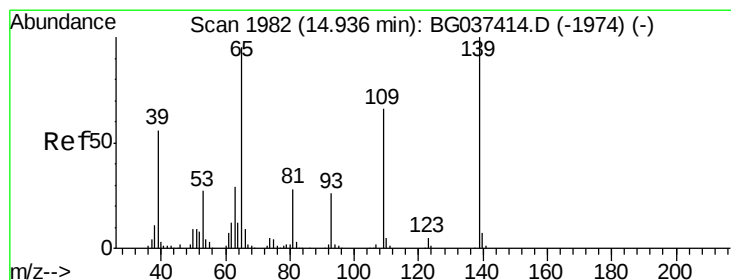
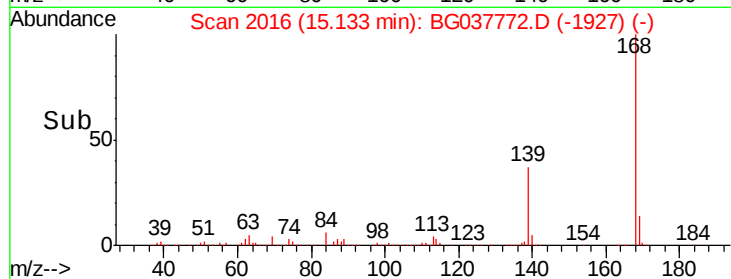
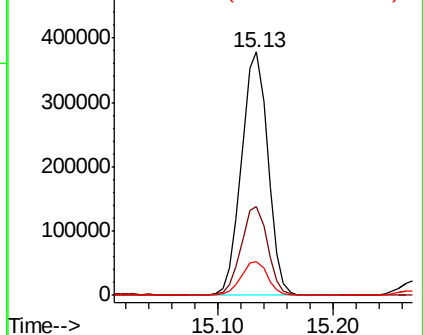
#55  
Dibenzofuran  
Concen: 41.026 ng  
RT: 15.13 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

Tot Ion:168 Resp: 602805  
Ion Ratio Lower Upper  
168 100  
139 36.6 29.4 44.0  
169 13.8 11.0 16.6

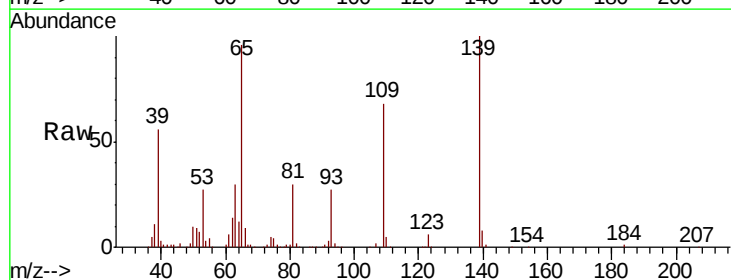


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

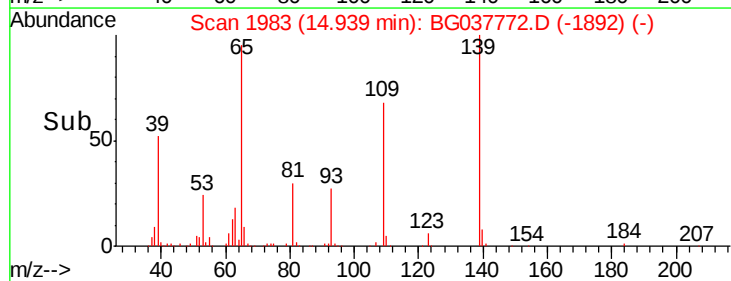
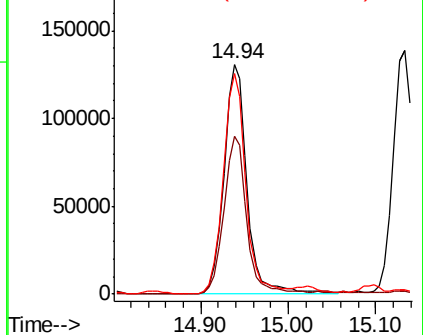


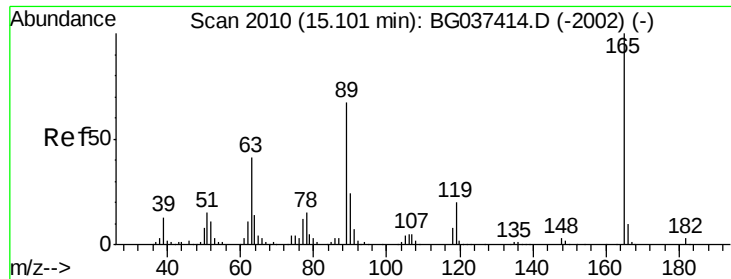
#56  
4-Nitrophenol  
Concen: 110.644 ng  
RT: 14.94 min Scan# 1983  
Delta R.T. 0.00 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:139 Resp: 237726  
Ion Ratio Lower Upper  
139 100  
109 68.4 49.5 89.5  
65 95.7 76.8 116.8



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

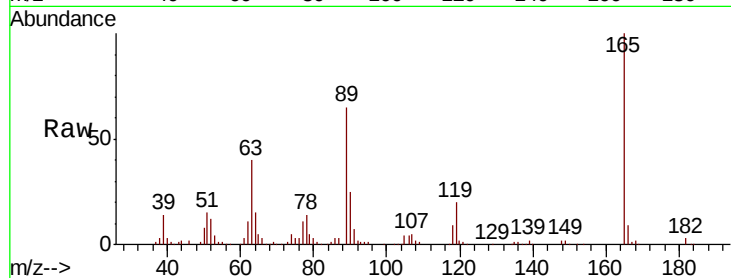




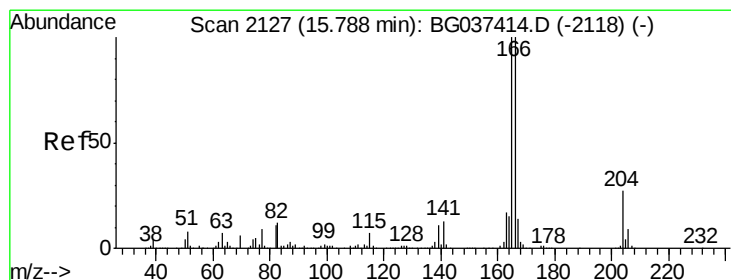
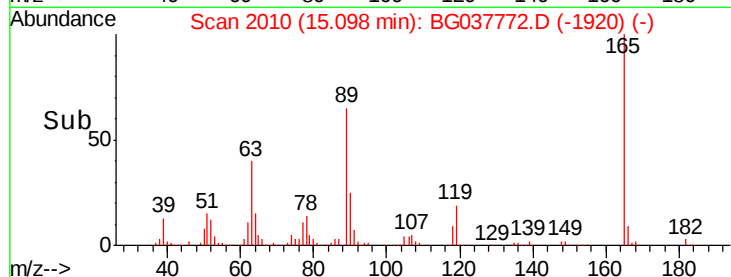
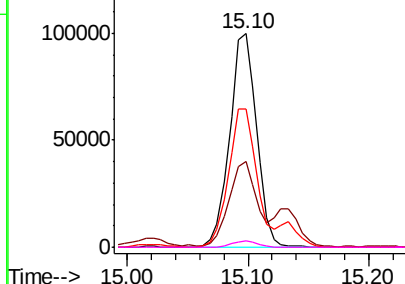
#57  
2,4-Dinitrotoluene  
Concen: 45.072 ng  
RT: 15.10 min Scan# 2010  
Delta R.T. -0.00 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:165 | Resp: | 154698    |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 63          | 40.1  | 33.4 50.0 |
| 89          | 64.9  | 57.2 85.8 |
| 182         | 3.0   | 2.6 4.0   |

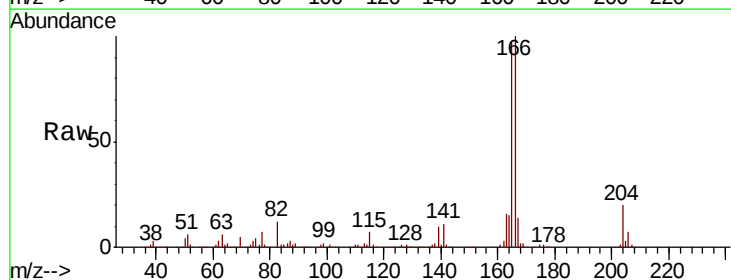


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

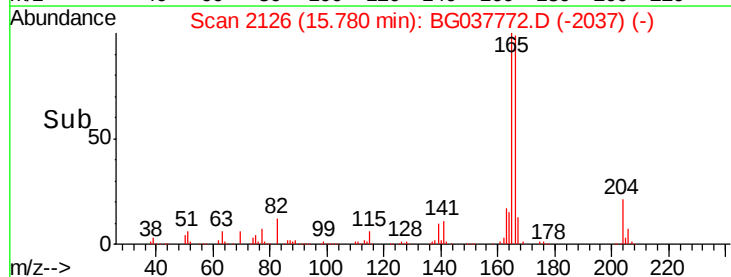
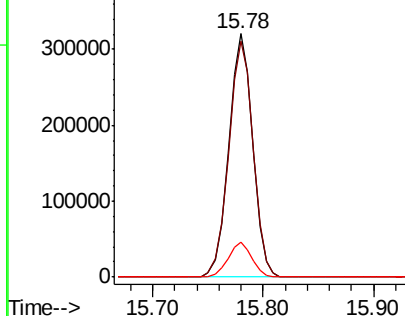


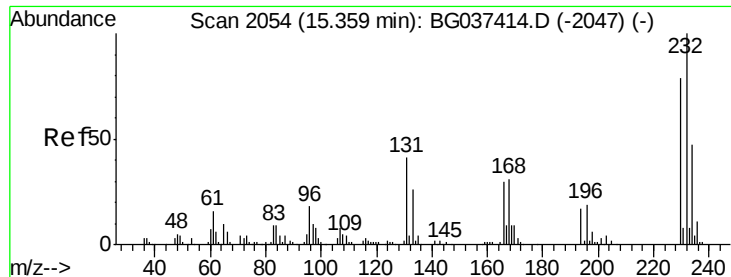
#58  
Fluorene  
Concen: 44.187 ng  
RT: 15.78 min Scan# 2126  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 486188     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 97.2  | 79.0 118.6 |
| 167         | 14.4  | 11.3 16.9  |



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

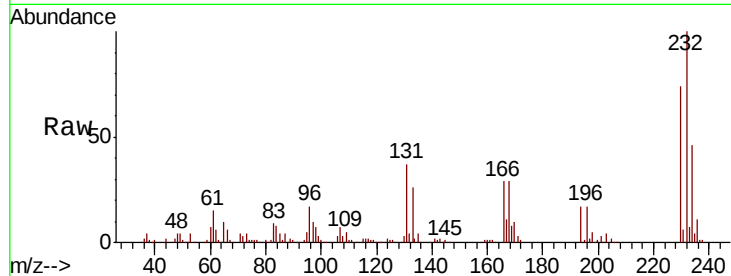




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.263 ng  
 RT: 15.35 min Scan# 2053  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 39.4  | 33.7  | 50.5  |
| 130     | 2.6   | 2.1   | 3.1   |
| 166     | 30.2  | 24.6  | 36.8  |



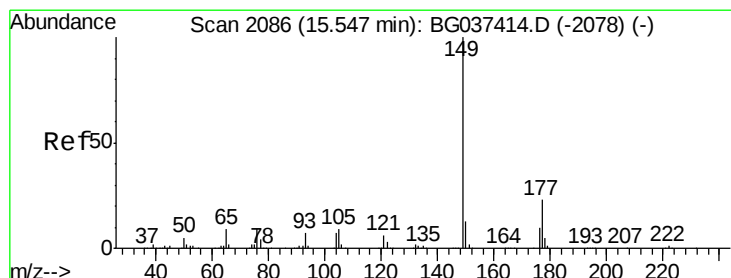
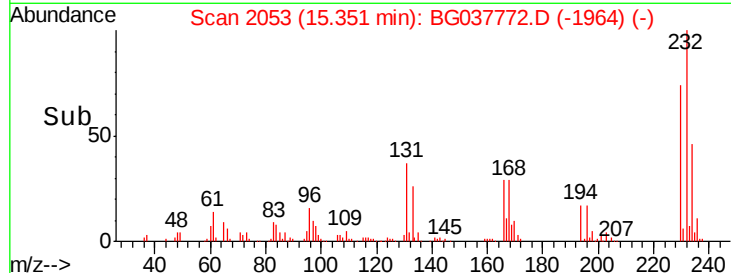
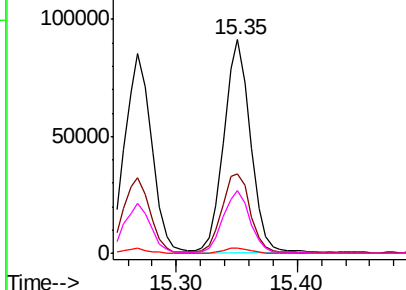
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

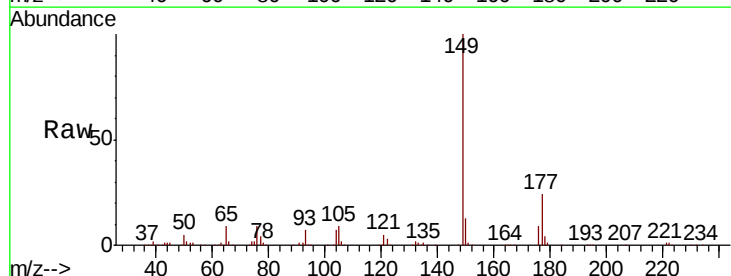
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
 Diethylphthalate  
 Concen: 41.469 ng  
 RT: 15.54 min Scan# 2085  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.7  | 18.3  | 27.5  |
| 150     | 12.6  | 10.0  | 15.0  |

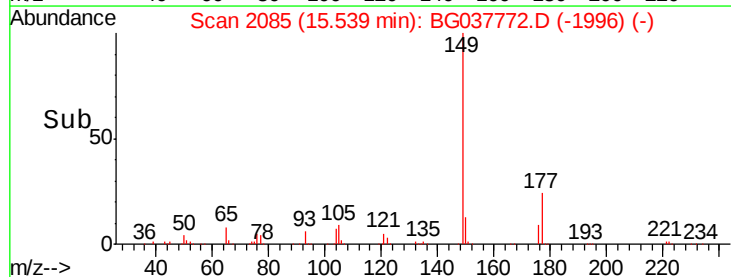
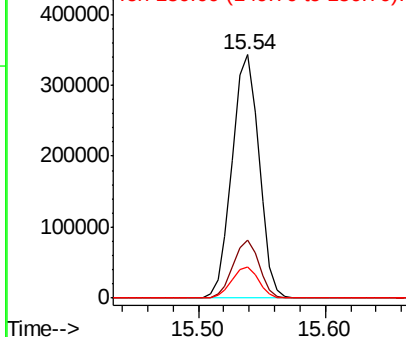


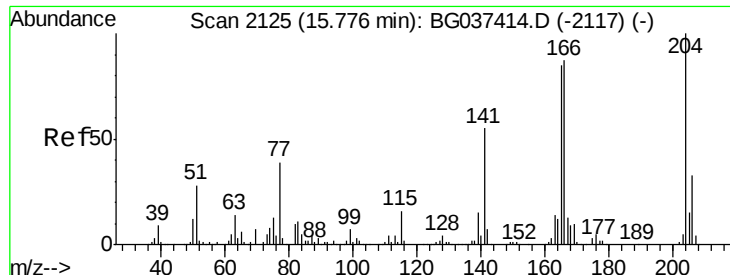
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

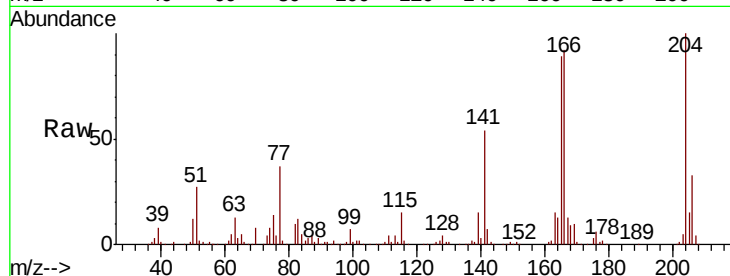




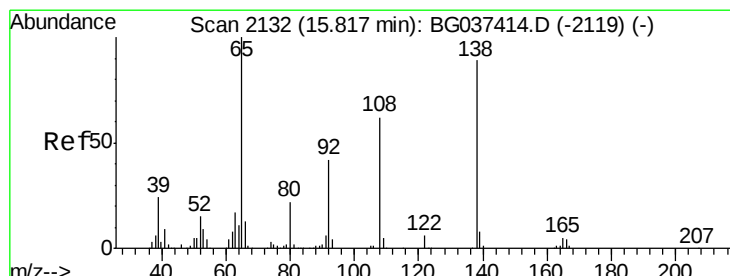
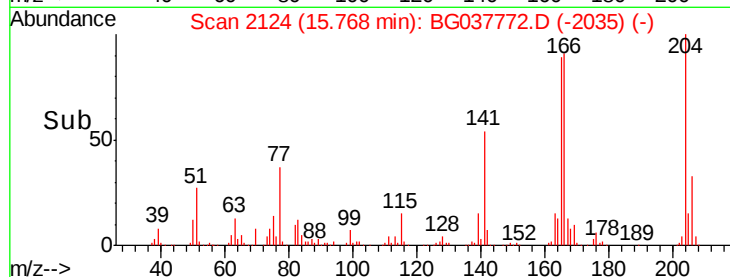
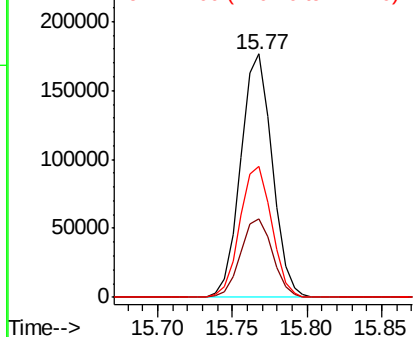
#61  
4-Chlorophenyl-phenylether  
Concen: 40.221 ng  
RT: 15.77 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

Tot Ion:204 Resp: 257950  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.6 39.8  
141 53.9 45.4 68.2

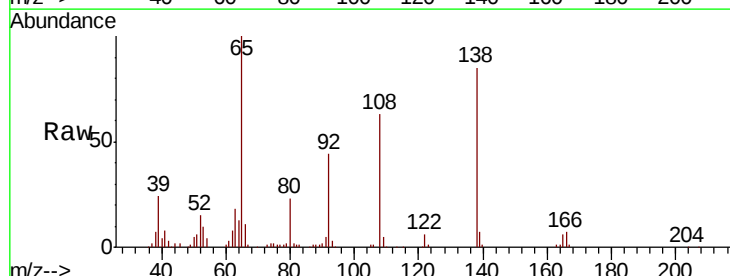


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

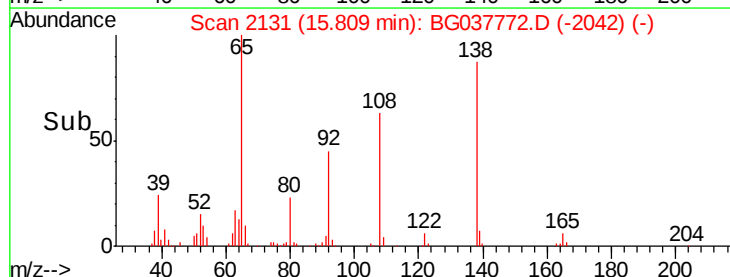
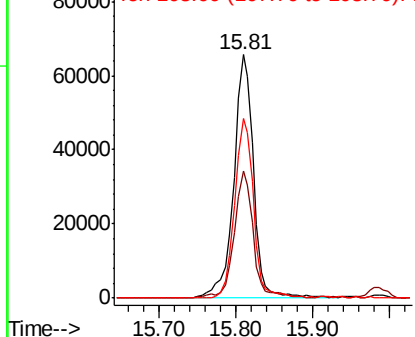


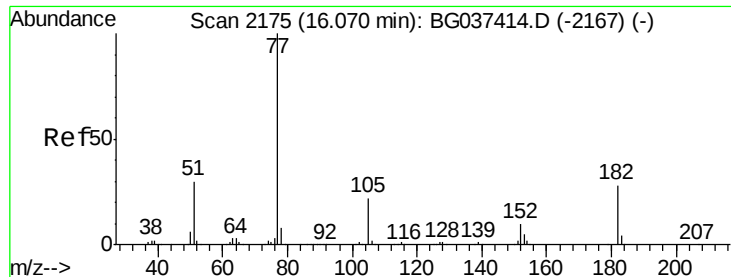
#62  
4-Nitroaniline  
Concen: 40.980 ng  
RT: 15.81 min Scan# 2131  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:138 Resp: 118199  
Ion Ratio Lower Upper  
138 100  
92 52.1 36.4 76.4  
108 74.0 60.1 100.1



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BG  
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 41.017 ng

RT: 16.06 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

Tot Ion: 77 Resp: 474888

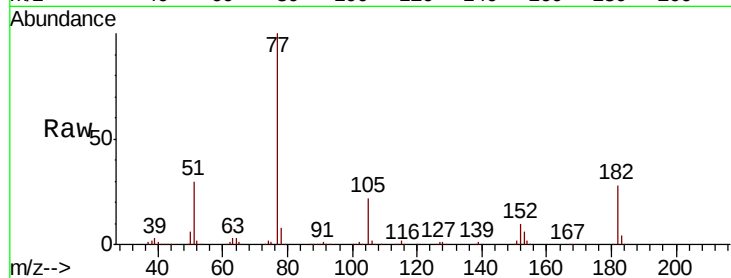
Ion Ratio Lower Upper

77 100

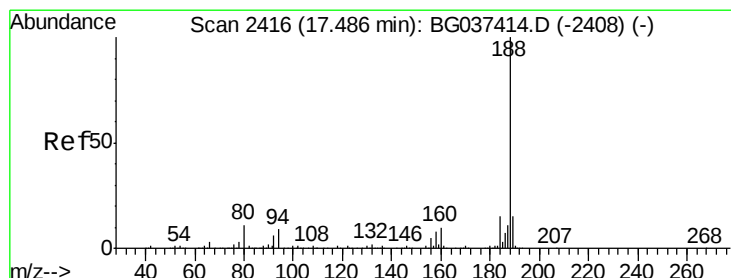
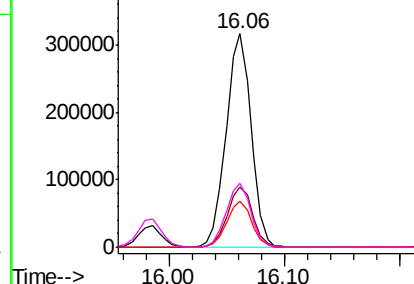
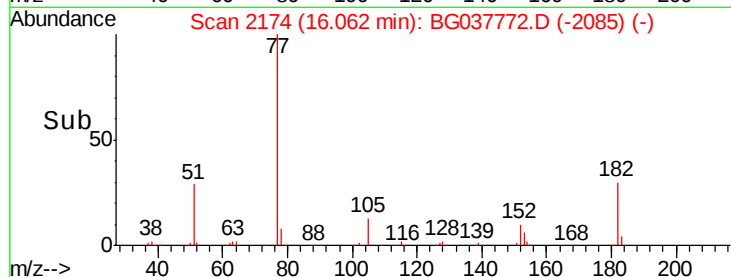
182 28.4 8.0 48.0

105 21.6 1.3 41.3

51 30.2 10.7 50.7



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

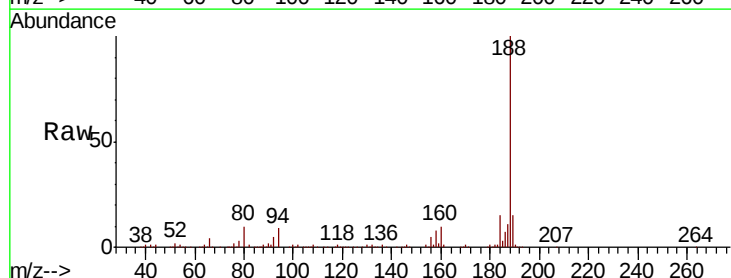
Tgt Ion: 188 Resp: 345416

Ion Ratio Lower Upper

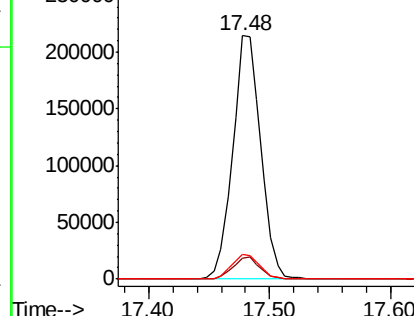
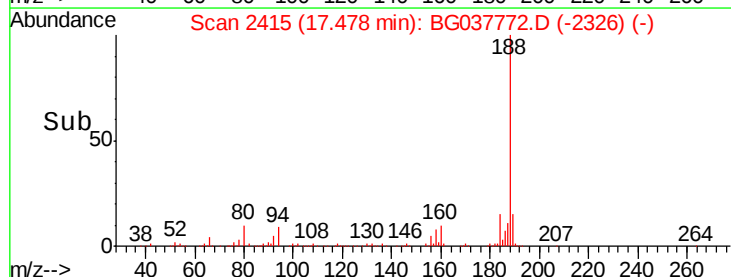
188 100

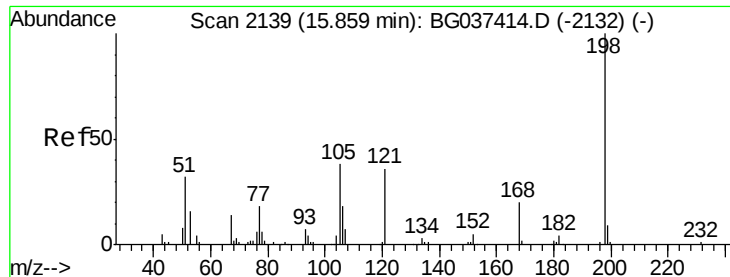
94 8.6 7.2 10.8

80 10.3 7.7 11.5



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





#65

4,6-Dinitro-2-methylphenol

Concen: 43.880 ng

RT: 15.86 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

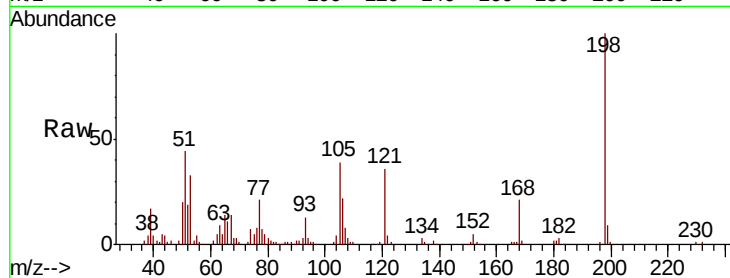
Tot Ion:198 Resp: 77928

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 43.8  | 22.7  | 62.7  |
| 105 | 39.5  | 19.7  | 59.7  |

198 100

51 43.8 22.7 62.7

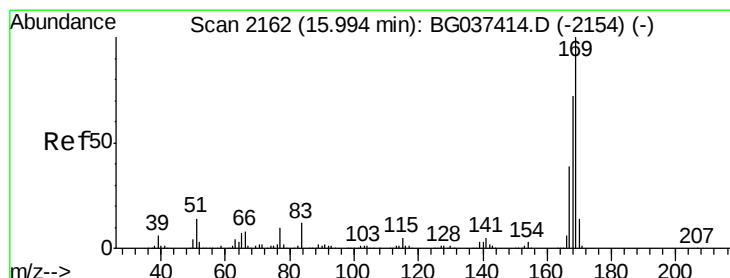
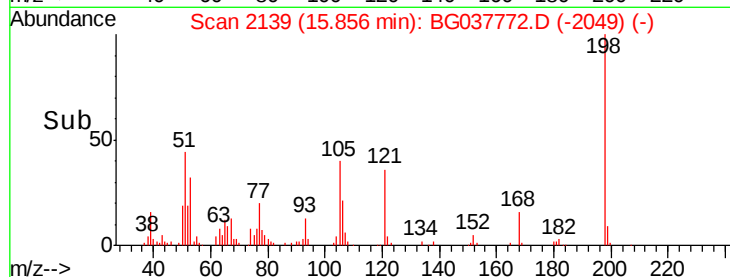
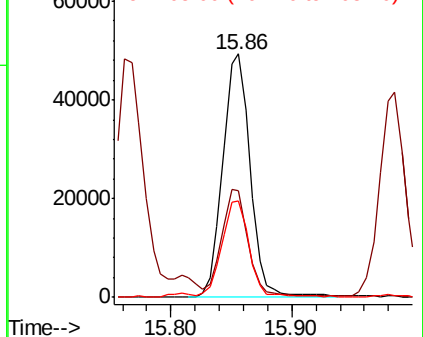
105 39.5 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.719 ng

RT: 15.99 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

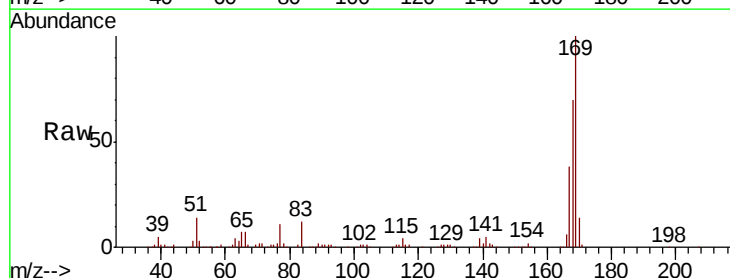
Tgt Ion:169 Resp: 433471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 69.9  | 55.7  | 83.5  |
| 167 | 38.5  | 31.3  | 46.9  |

169 100

168 69.9 55.7 83.5

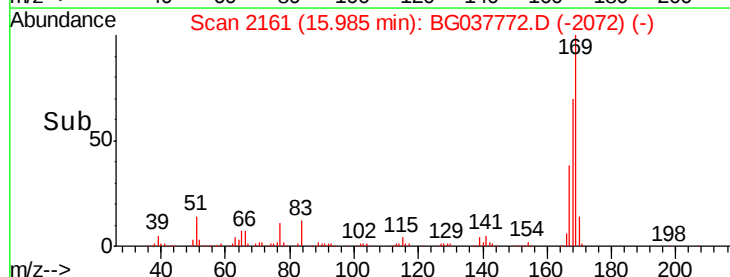
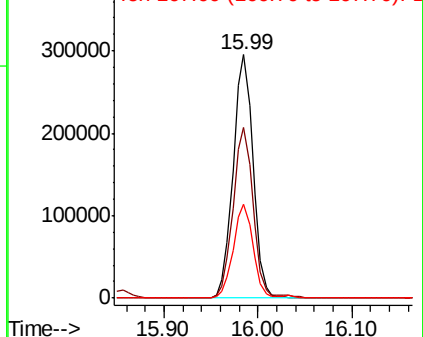
167 38.5 31.3 46.9

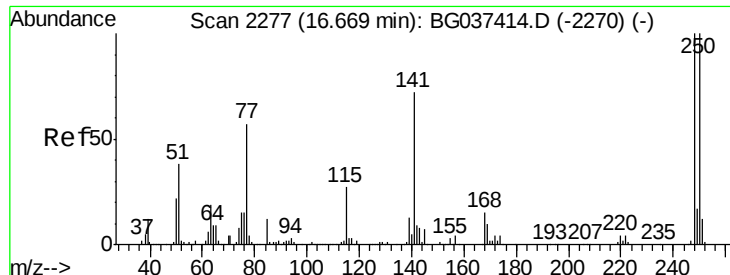


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

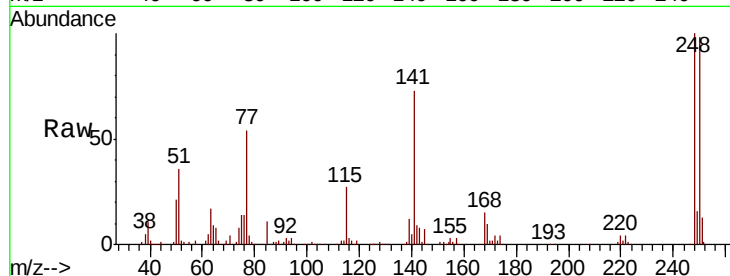




#67  
 4-Bromophenyl-phenylether  
 Concen: 42.234 ng  
 RT: 16.66 min Scan# 2276  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.6  | 77.0  | 115.6 |
| 141     | 72.7  | 55.5  | 83.3  |

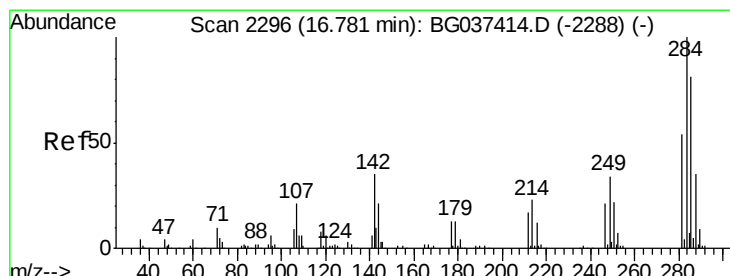
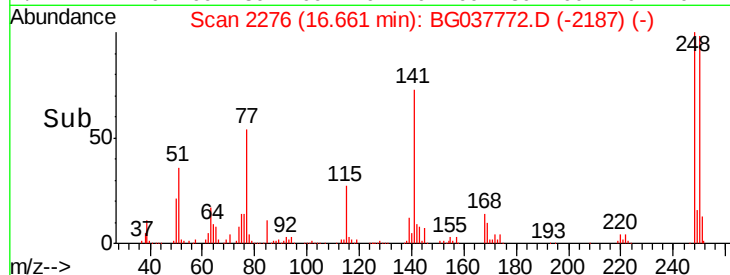
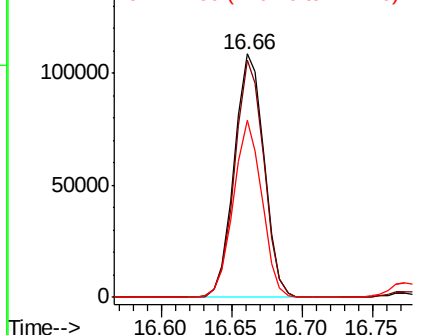


Abundance

Ion 248.00 (247.70 to 248.70): E

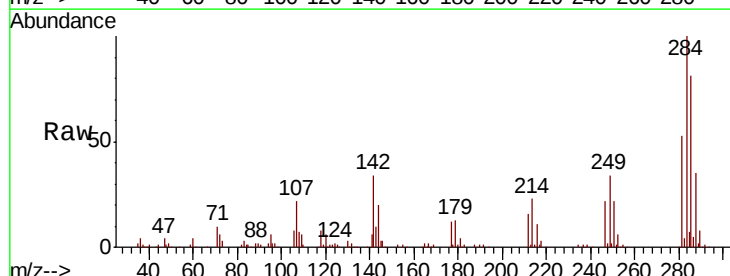
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 40.721 ng  
 RT: 16.77 min Scan# 2295  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.4  | 28.1  | 42.1  |
| 249     | 36.0  | 29.8  | 44.8  |

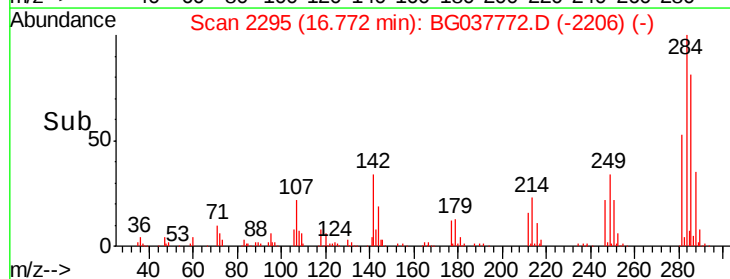
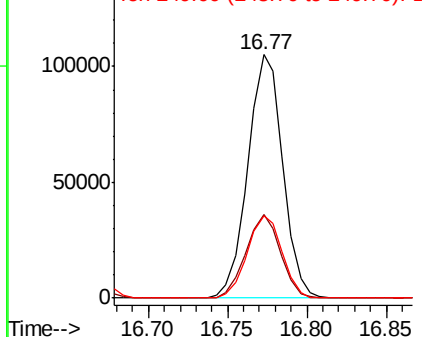


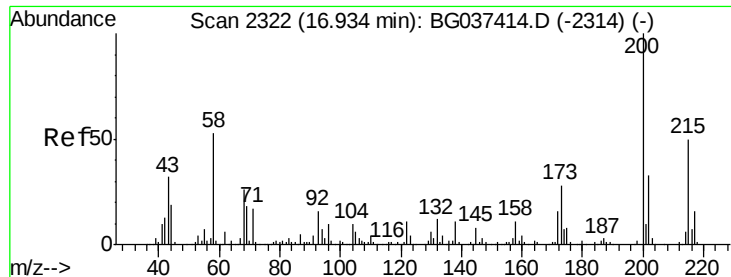
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

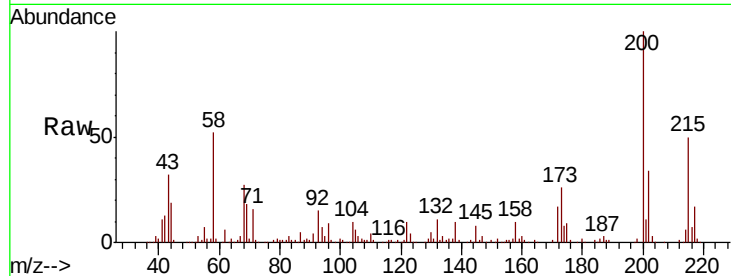




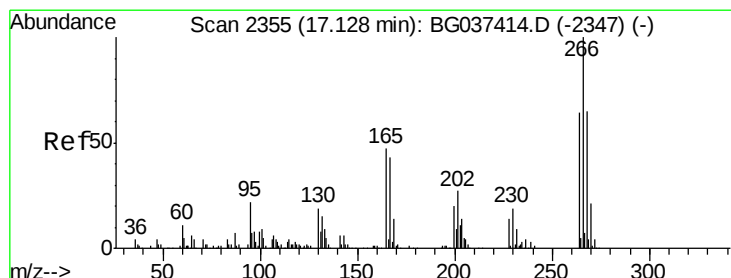
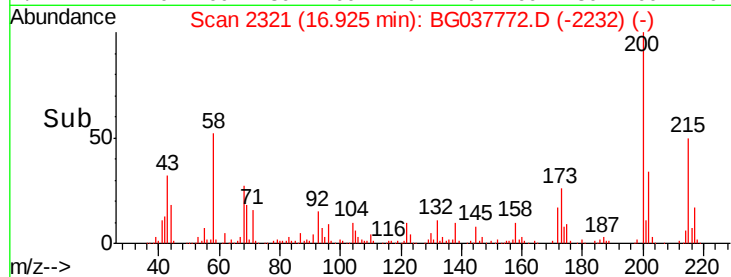
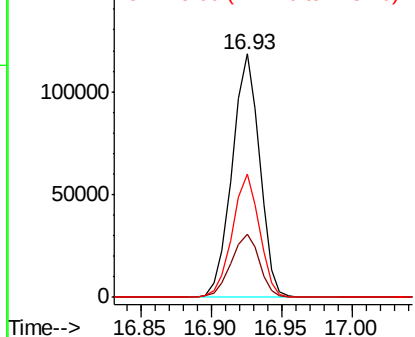
#69  
 Atrazine  
 Concen: 42.792 ng  
 RT: 16.93 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114415BS

Tot Ion:200 Resp: 160752  
 Ion Ratio Lower Upper  
 200 100  
 173 26.2 6.1 46.1  
 215 50.4 30.8 70.8

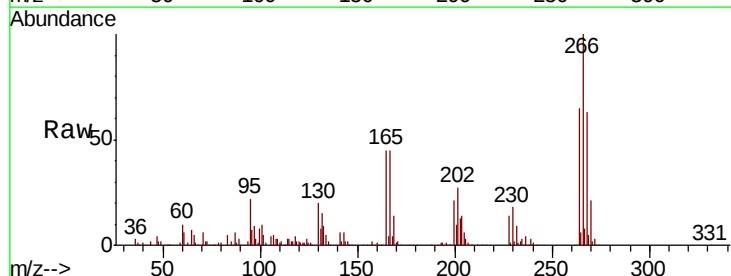


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

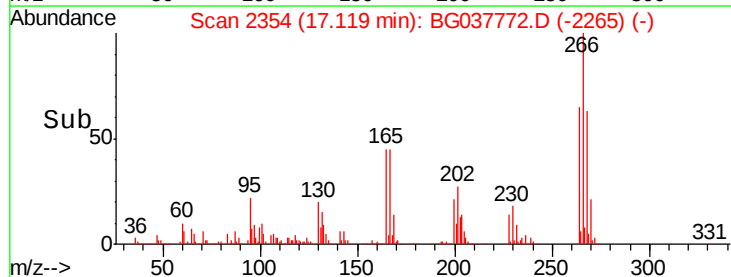
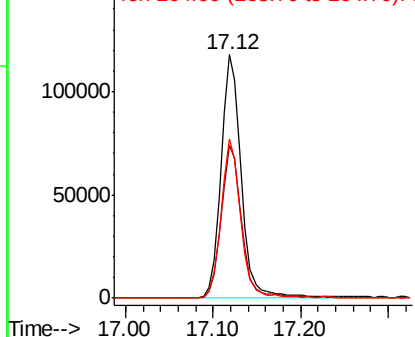


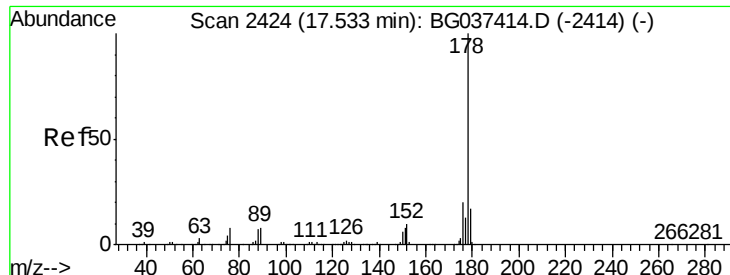
#70  
 Pentachlorophenol  
 Concen: 71.843 ng  
 RT: 17.12 min Scan# 2354  
 Delta R.T. -0.01 min  
 Lab File: BG037772.D  
 Acq: 3 Nov 2018 2:32

Tgt Ion:266 Resp: 189188  
 Ion Ratio Lower Upper  
 266 100  
 268 67.2 55.0 82.6  
 264 70.8 58.9 88.3



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

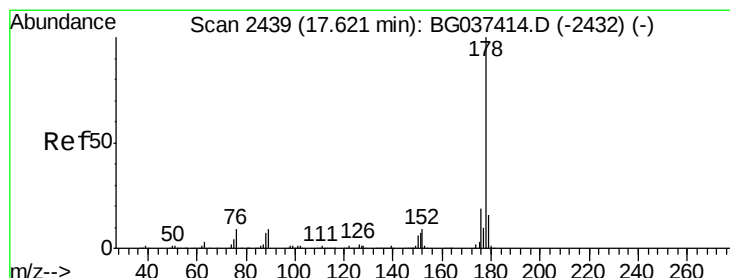
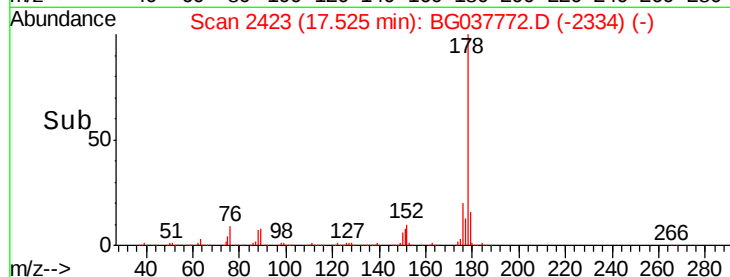
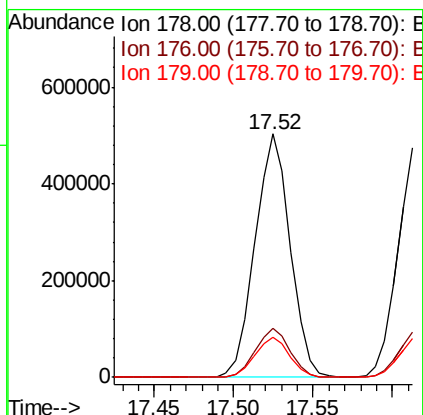
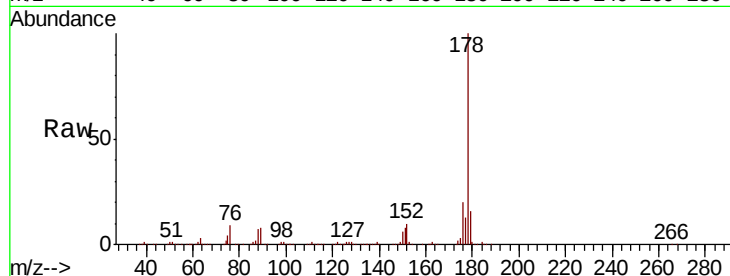




#71  
Phenanthrene  
Concen: 44.123 ng  
RT: 17.52 min Scan# 2423  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

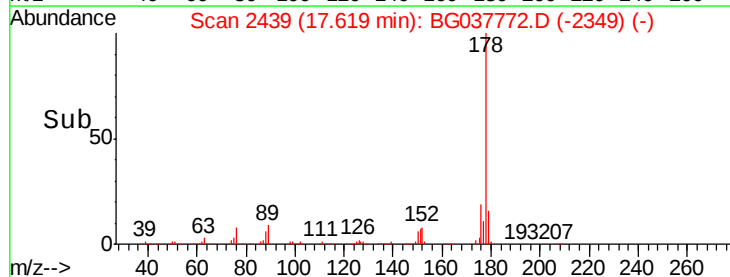
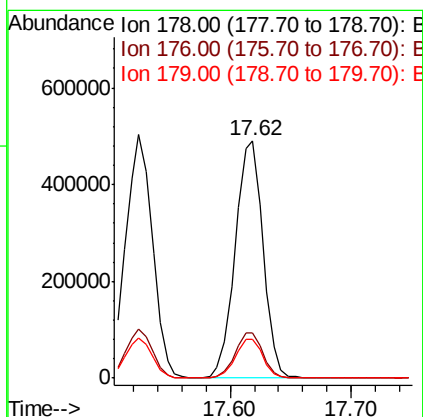
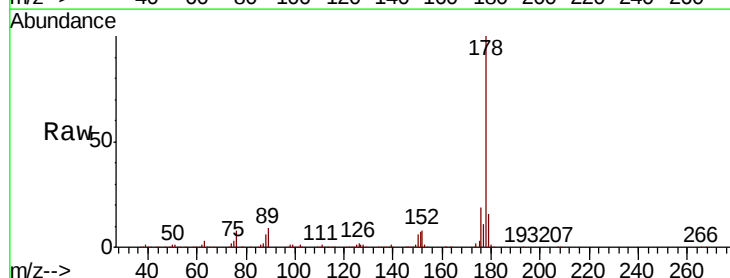
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

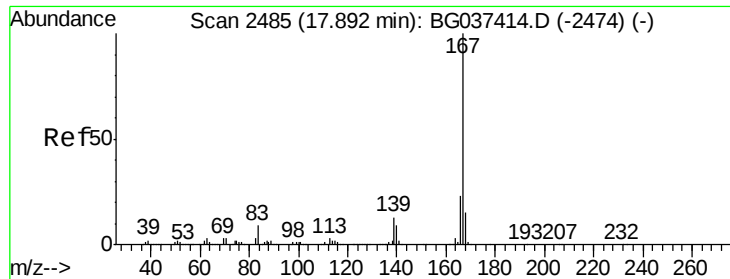
Tot Ion:178 Resp: 774581  
Ion Ratio Lower Upper  
178 100  
176 20.3 16.1 24.1  
179 16.2 13.0 19.4



#72  
Anthracene  
Concen: 45.773 ng  
RT: 17.62 min Scan# 2439  
Delta R.T. -0.00 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

Tgt Ion:178 Resp: 788565  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.0 22.4  
179 16.5 12.8 19.2





#73

Carbazole

Concen: 40.942 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

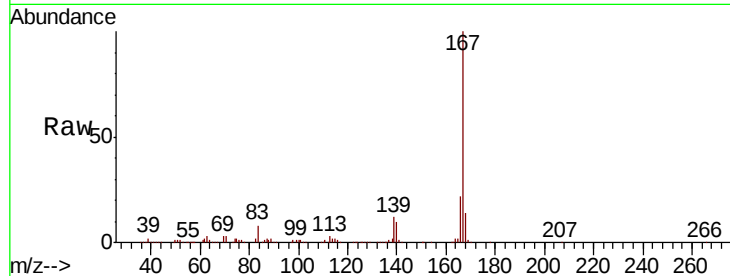
Tot Ion:167 Resp: 705561

Ion Ratio Lower Upper

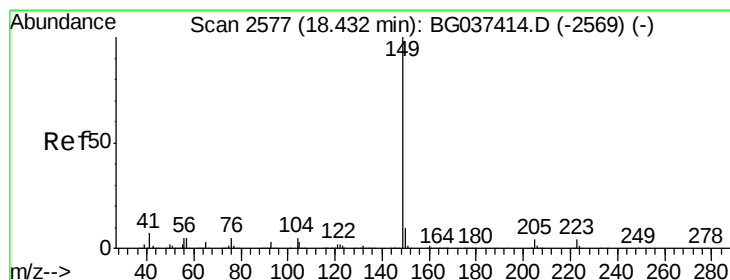
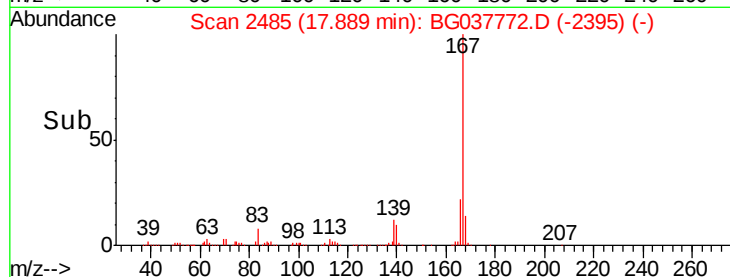
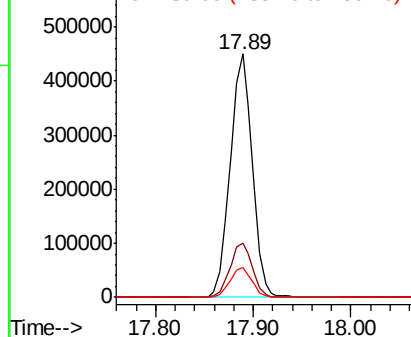
167 100

166 22.5 18.3 27.5

139 12.3 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.511 ng

RT: 18.42 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

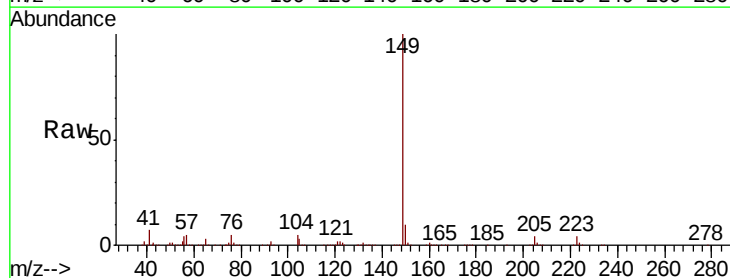
Tgt Ion:149 Resp: 834125

Ion Ratio Lower Upper

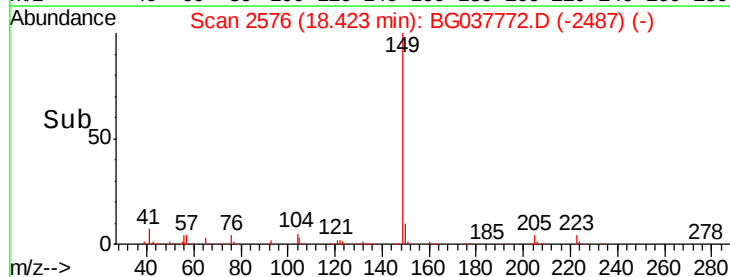
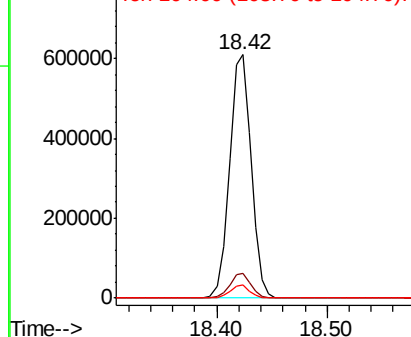
149 100

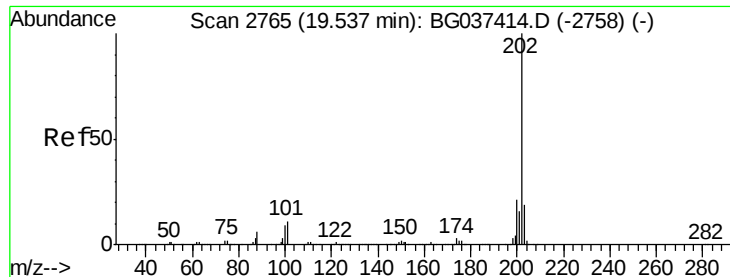
150 10.2 8.2 12.2

104 5.2 4.0 6.0



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





#75

Fluoranthene

Concen: 44.569 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

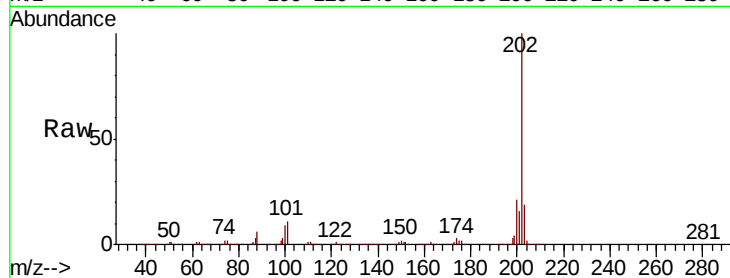
Tot Ion:202 Resp: 887400

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.7

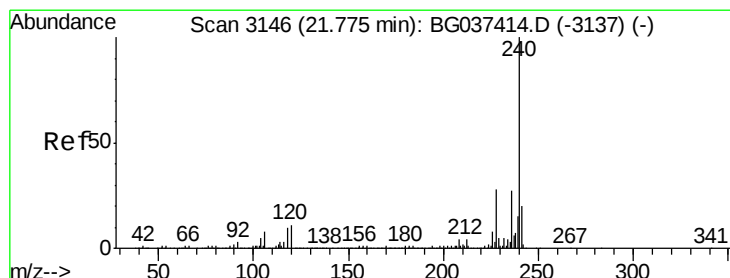
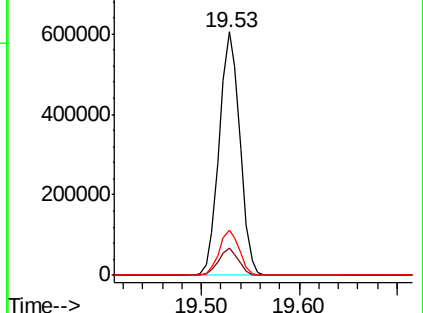
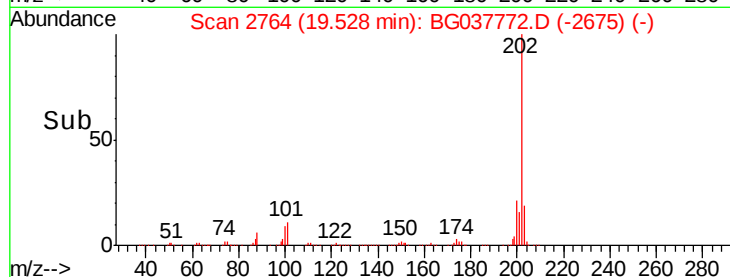
203 18.6 0.0 38.5



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

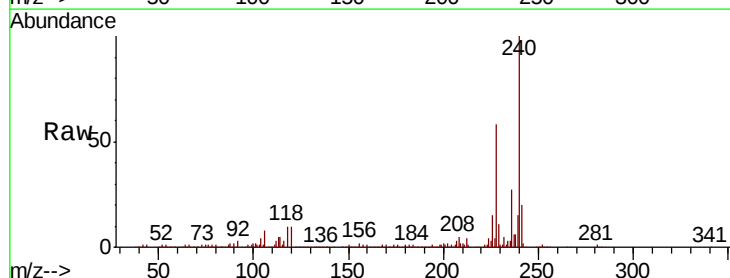
Tgt Ion:240 Resp: 314612

Ion Ratio Lower Upper

240 100

120 10.3 8.1 12.1

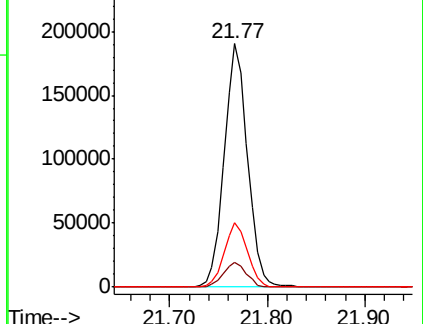
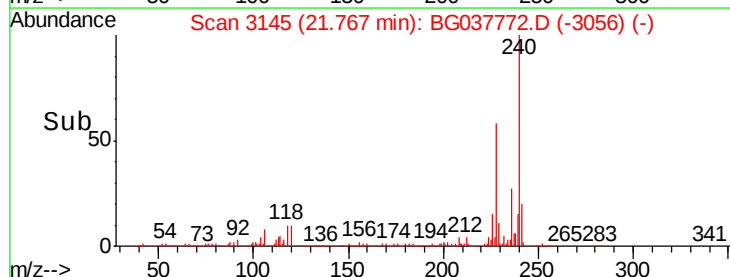
236 26.6 21.4 32.0

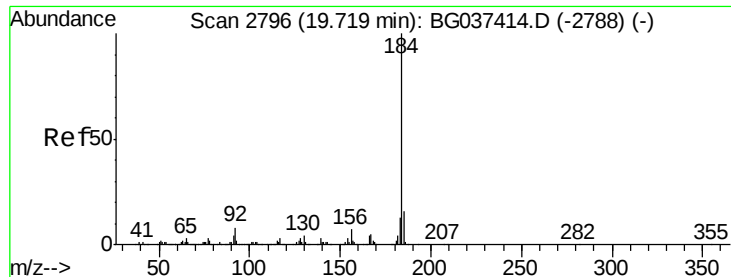


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 39.701 ng

RT: 19.71 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

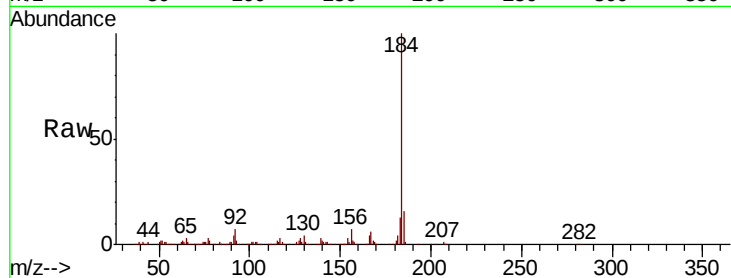
Tot Ion:184 Resp: 424707

Ion Ratio Lower Upper

184 100

185 15.6 12.6 18.8

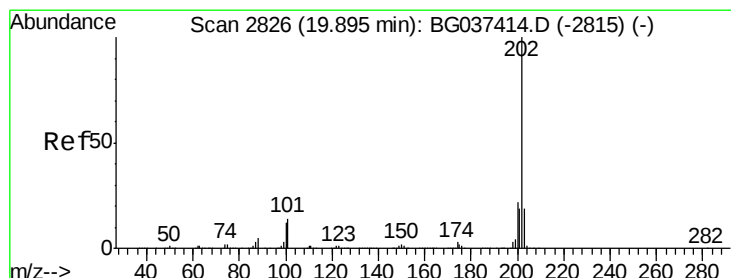
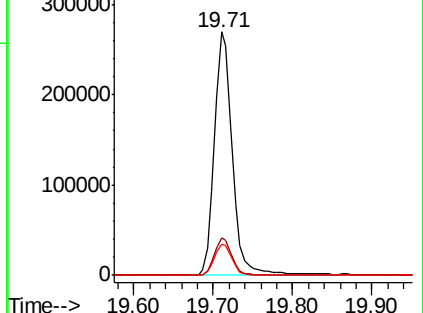
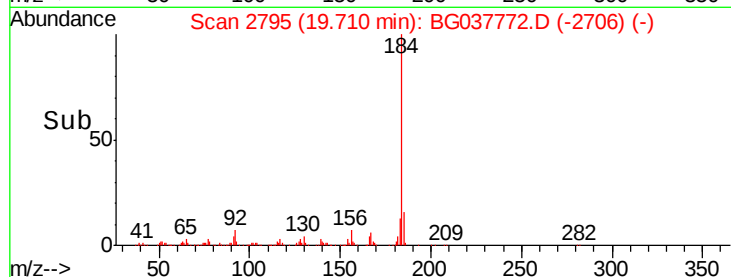
183 12.6 10.2 15.2



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



#78

Pyrene

Concen: 42.514 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

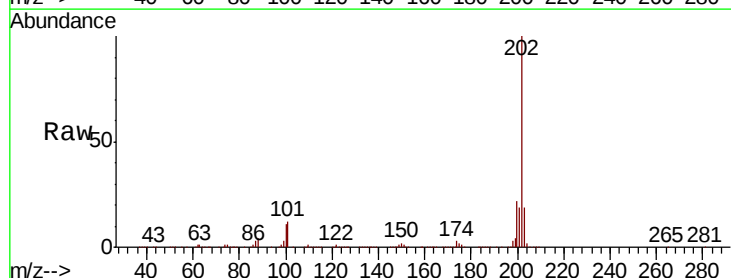
Tgt Ion:202 Resp: 874371

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

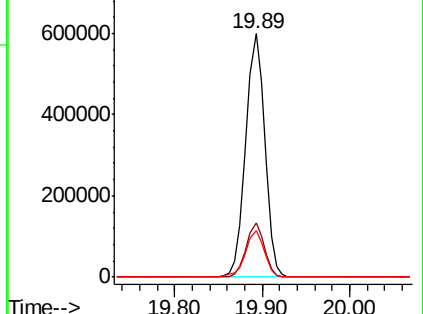
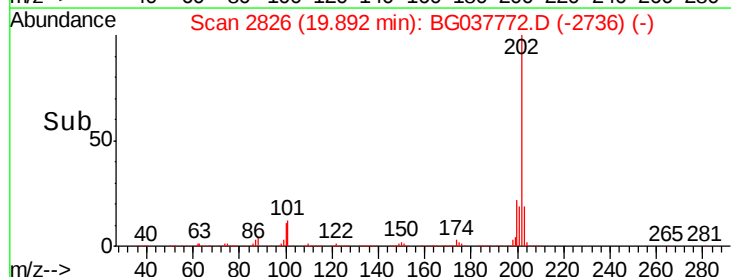
203 18.9 15.2 22.8

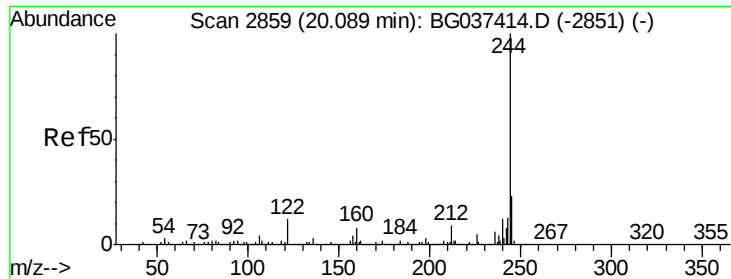


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.034 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

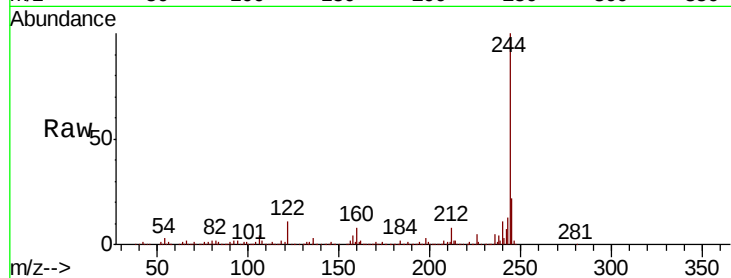
Tot Ion:244 Resp: 1134231

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

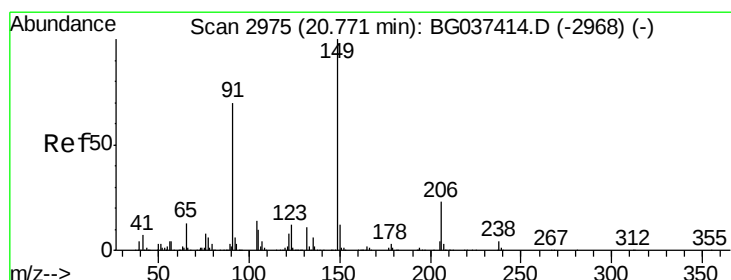
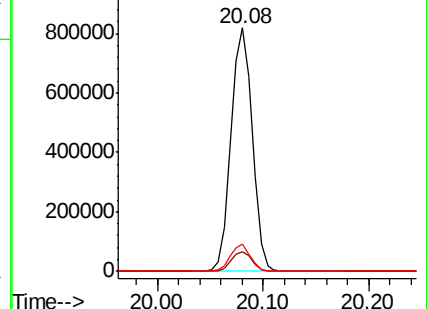
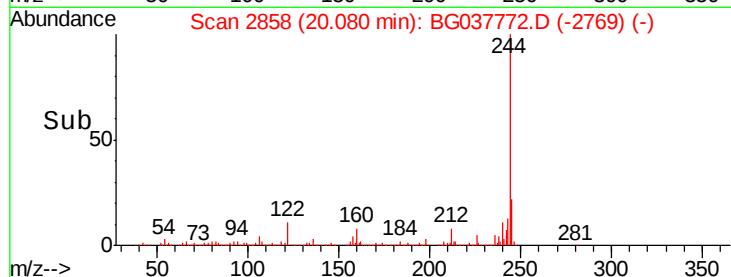
122 11.2 9.0 13.4



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



#80

Butylbenzylphthalate

Concen: 44.261 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

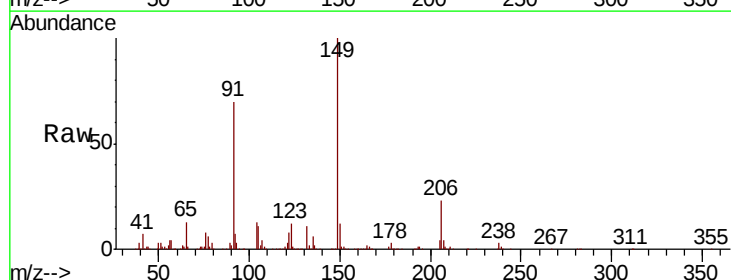
Tgt Ion:149 Resp: 372551

Ion Ratio Lower Upper

149 100

91 70.0 57.0 85.4

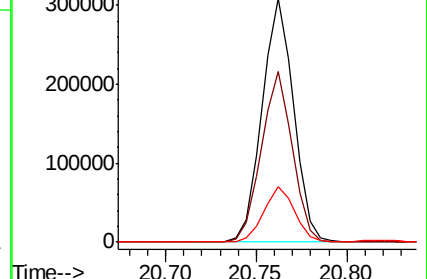
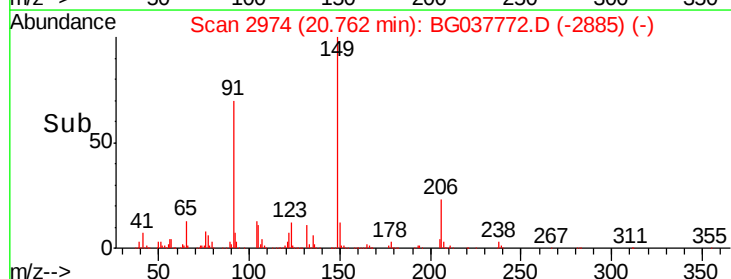
206 22.8 17.8 26.6

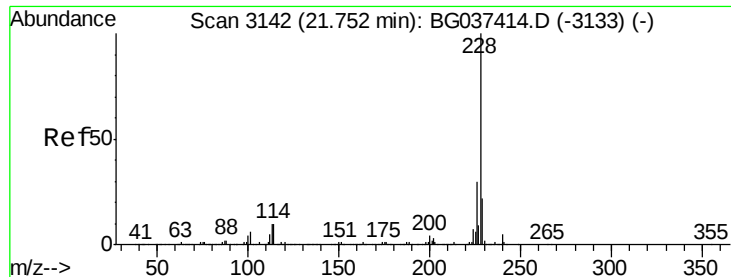


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

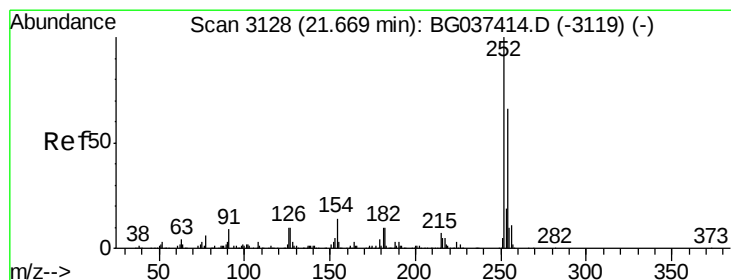
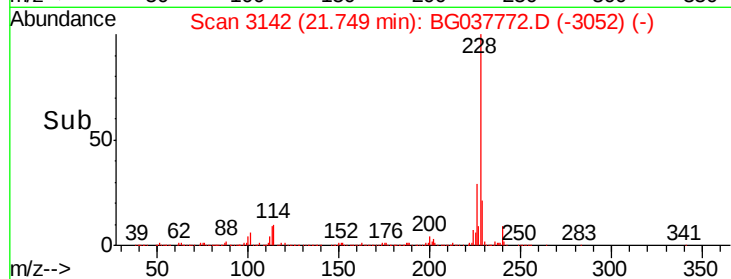
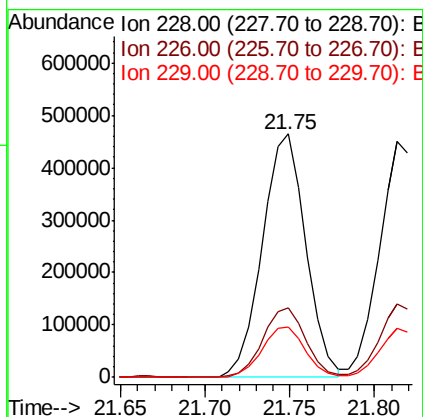
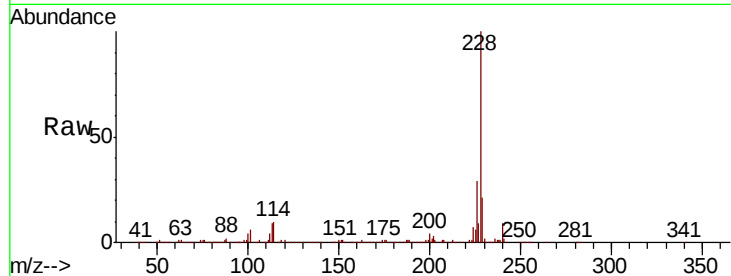




#81  
Benzo(a)anthracene  
Concen: 44.457 ng  
RT: 21.75 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

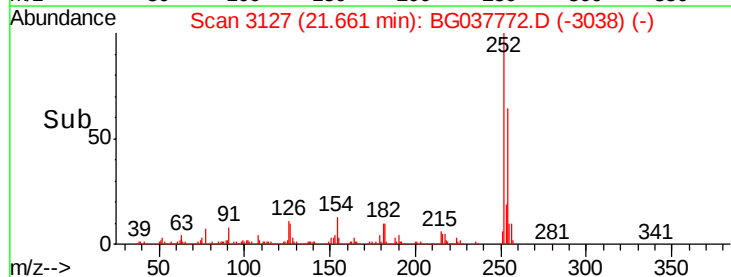
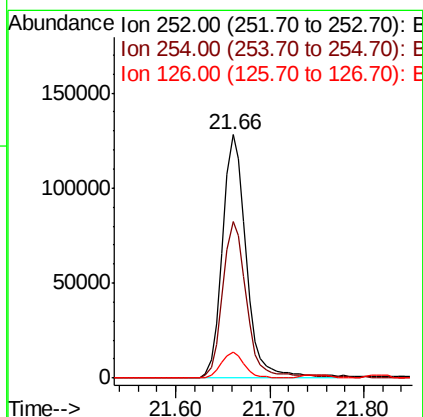
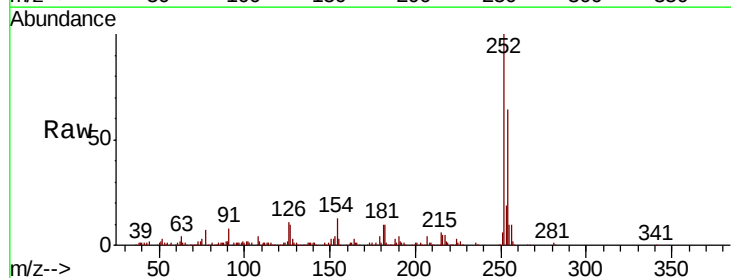
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

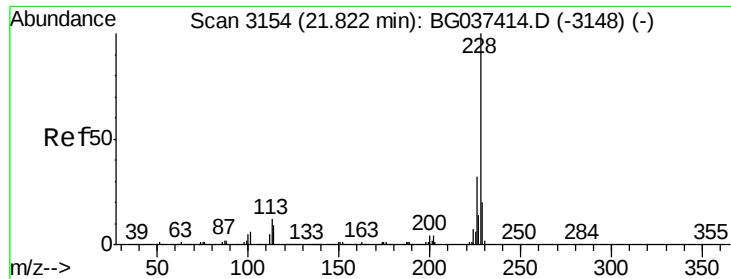
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.7  | 22.6  | 33.8  |
| 229     | 20.7  | 16.3  | 24.5  |



#82  
3,3'-Dichlorobenzidine  
Concen: 31.540 ng  
RT: 21.66 min Scan# 3127  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.2  | 52.0  | 78.0  |
| 126     | 10.5  | 8.2   | 12.4  |





#83

Chrysene

Concen: 43.605 ng

RT: 21.81 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

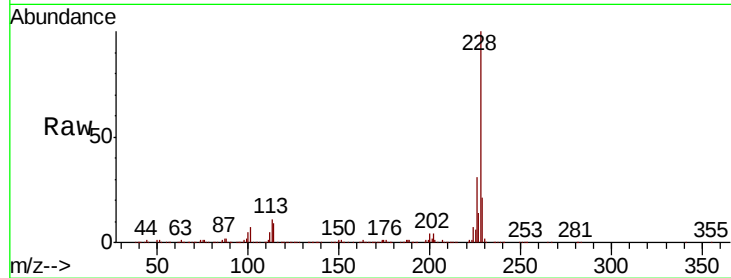
Tot Ion:228 Resp: 780271

Ion Ratio Lower Upper

228 100

226 30.8 25.7 38.5

229 20.8 16.5 24.7

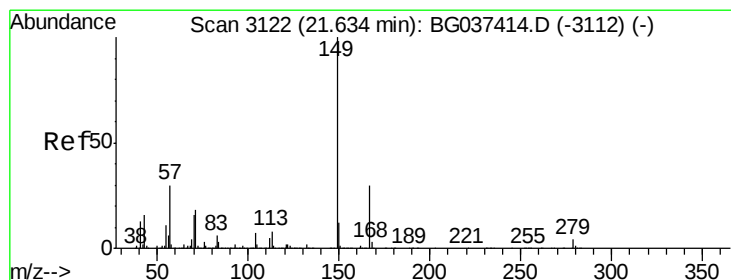
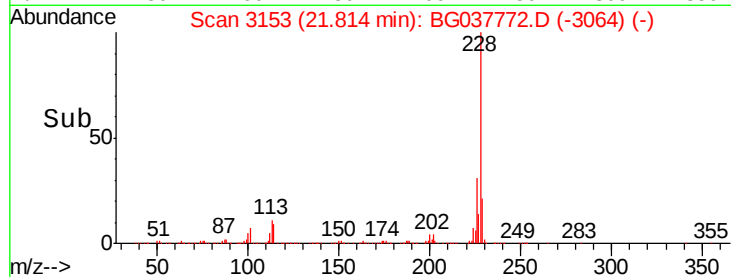
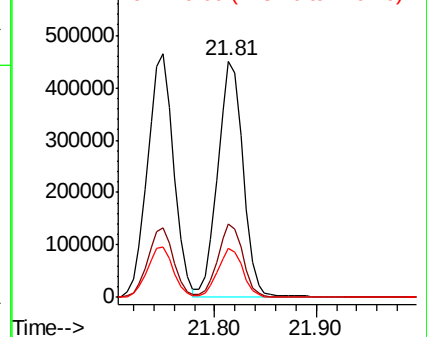


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.934 ng

RT: 21.62 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

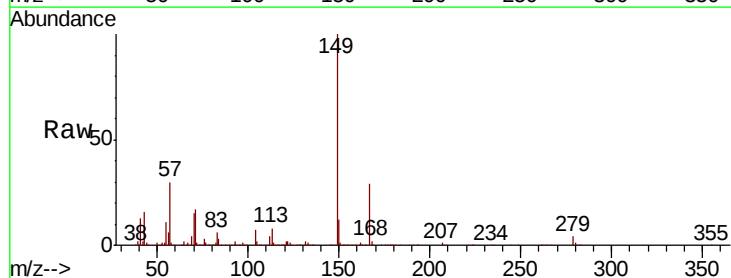
Tgt Ion:149 Resp: 530153

Ion Ratio Lower Upper

149 100

167 28.6 23.0 34.4

279 4.4 3.6 5.4

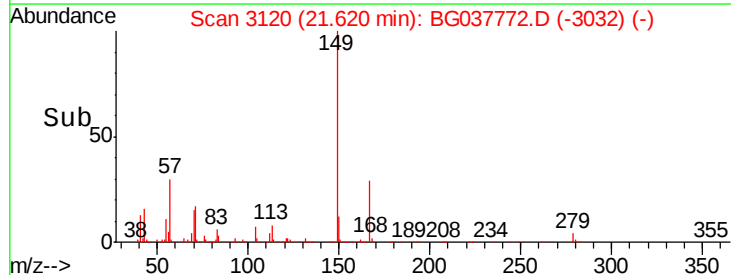
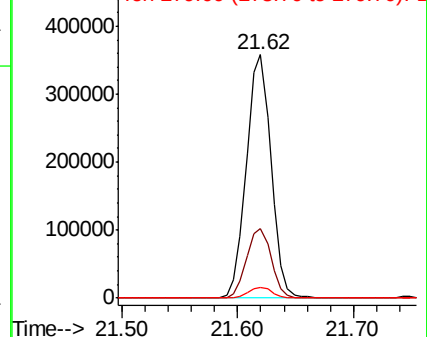


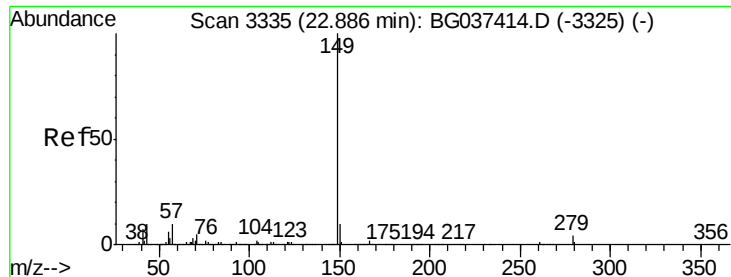
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.392 ng

RT: 22.87 min Scan# 3332

Delta R.T. -0.02 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

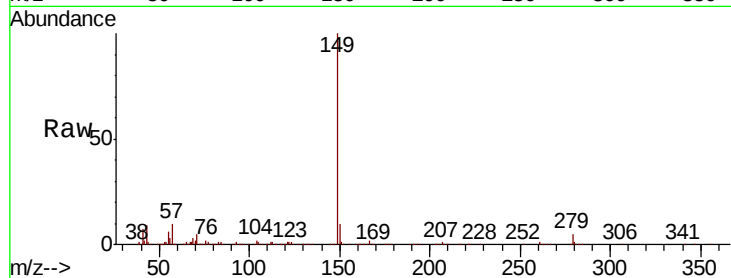
Tot Ion:149 Resp: 892544

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

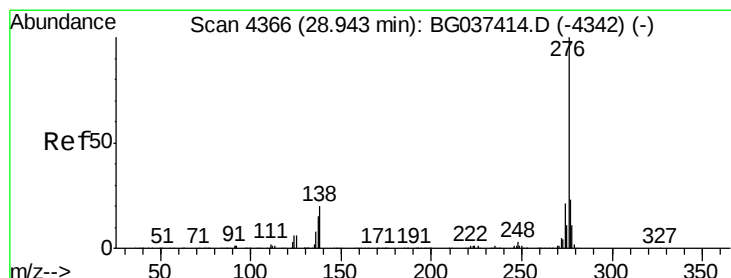
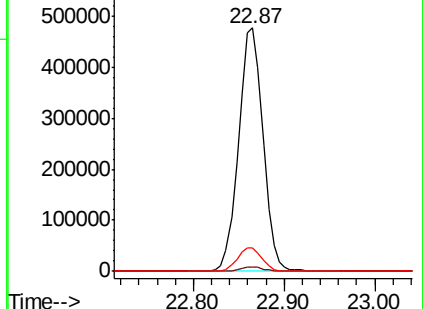
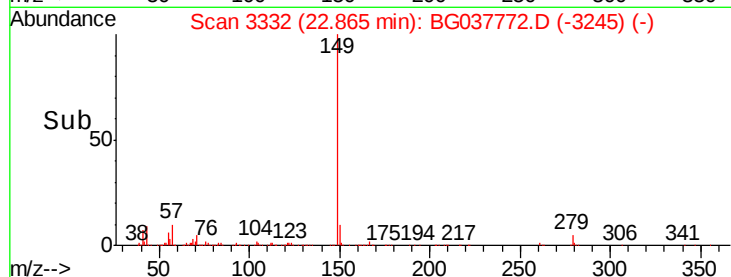
43 9.8 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.518 ng

RT: 28.92 min Scan# 4363

Delta R.T. -0.02 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

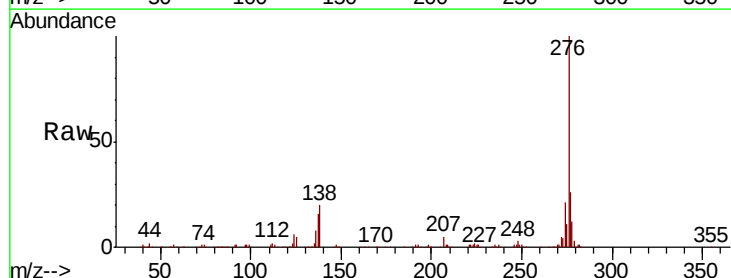
Tgt Ion:276 Resp: 777630

Ion Ratio Lower Upper

276 100

138 24.1 12.0 18.0#

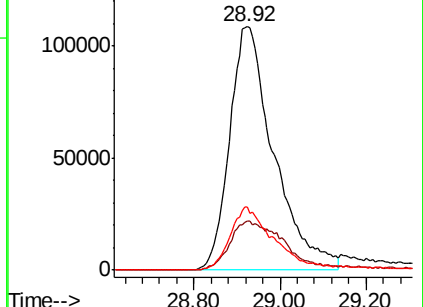
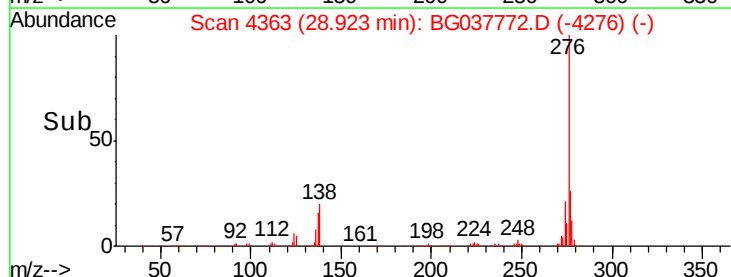
277 25.5 20.6 30.8

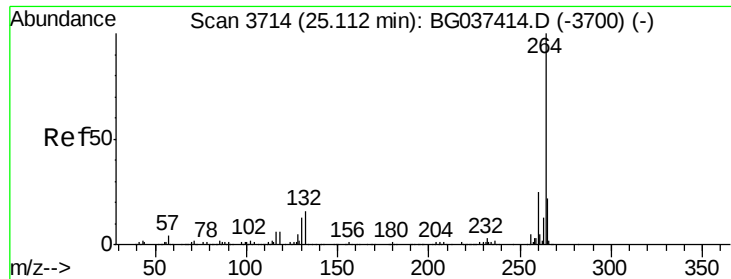


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

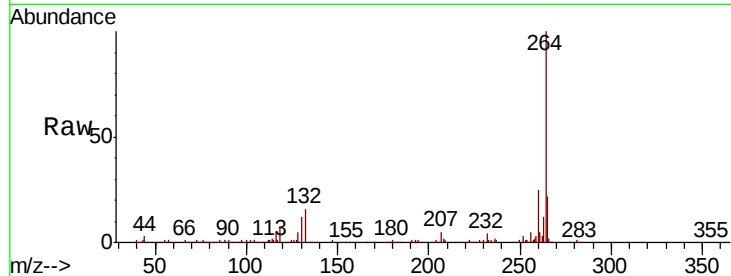
Tot Ion:264 Resp: 322169

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

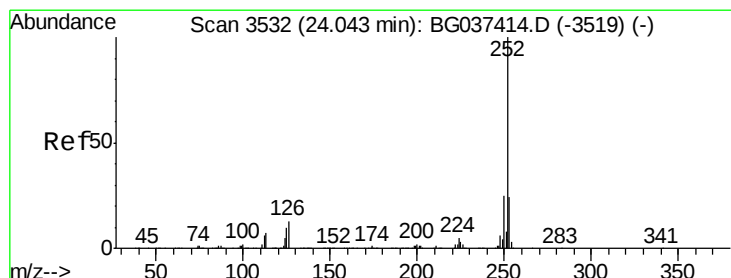
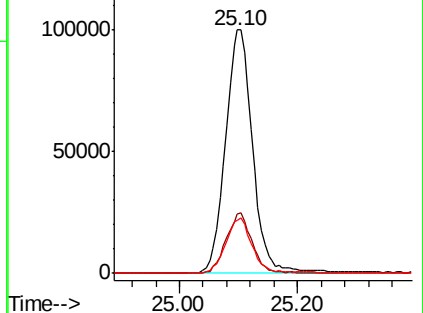
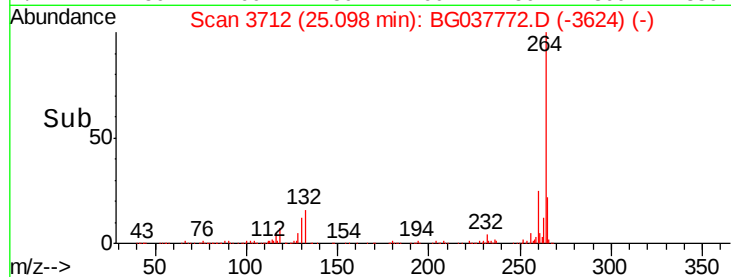
265 21.7 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.553 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

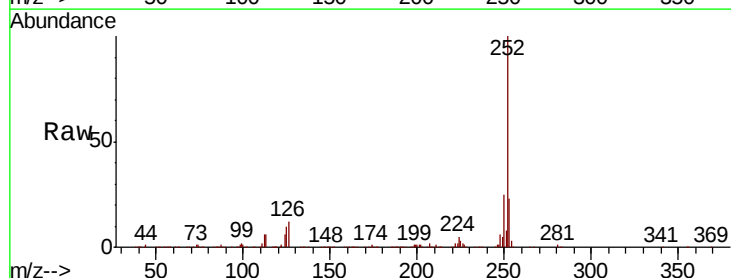
Tgt Ion:252 Resp: 804577

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

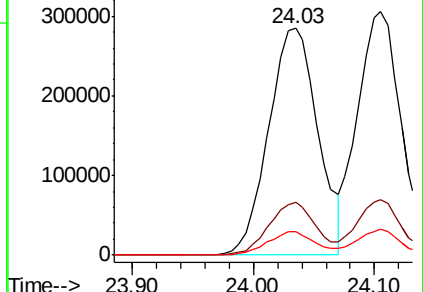
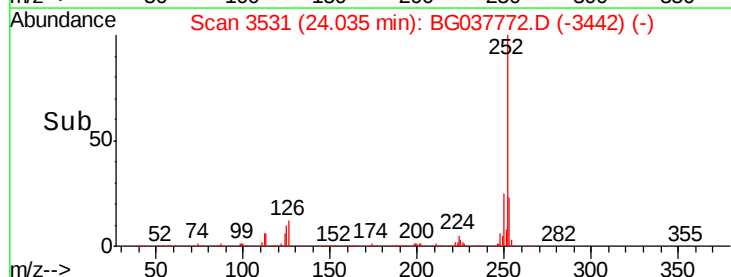
125 10.5 7.8 11.6

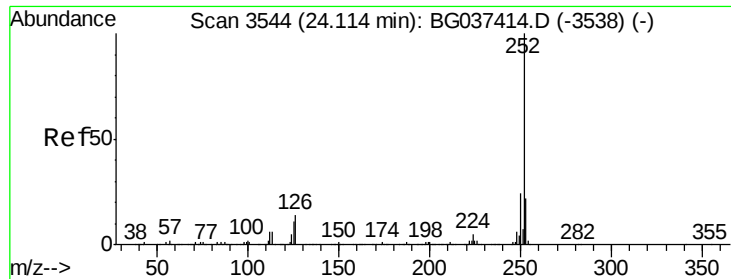


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

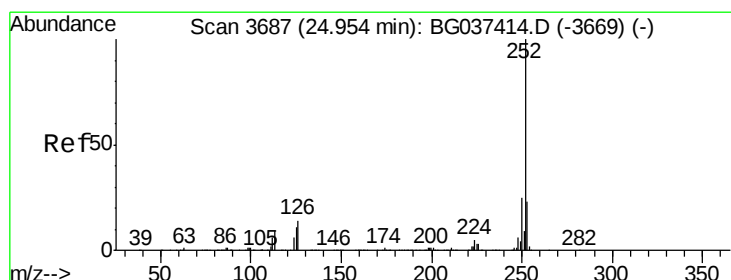
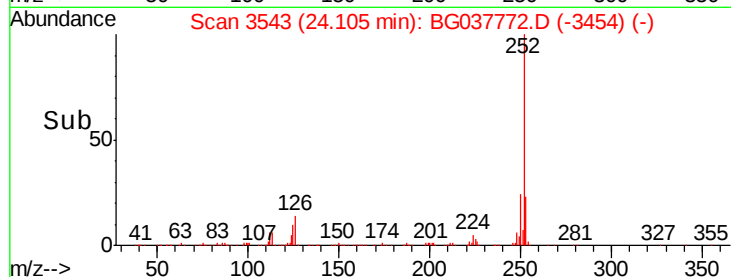
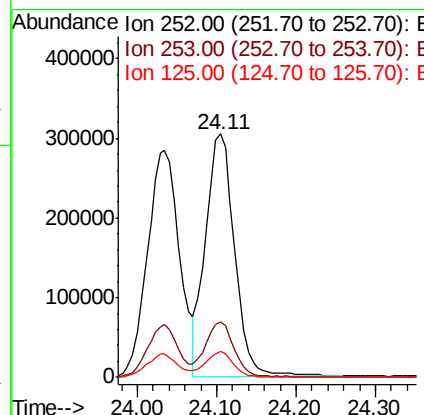
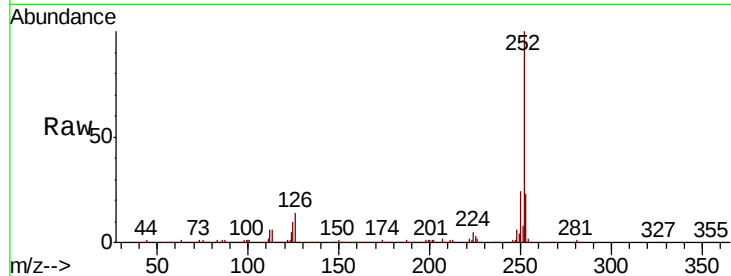




#89  
Benzo(k)fluoranthene  
Concen: 44.811 ng  
RT: 24.11 min Scan# 3543  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

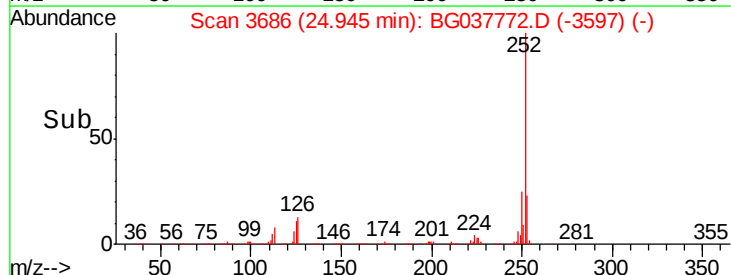
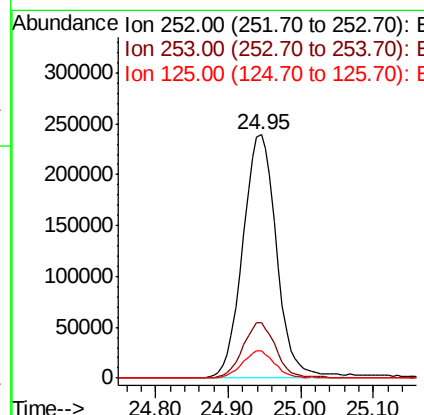
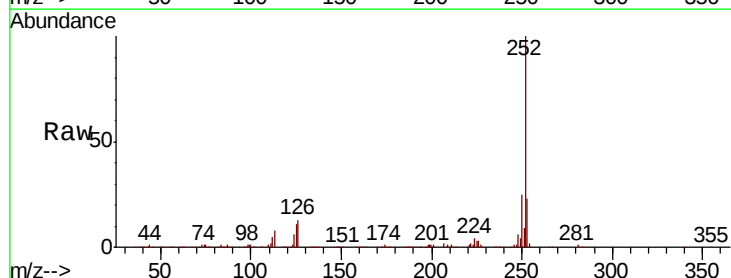
Instrument :  
BNA\_G  
ClientSampleId :  
PB114415BS

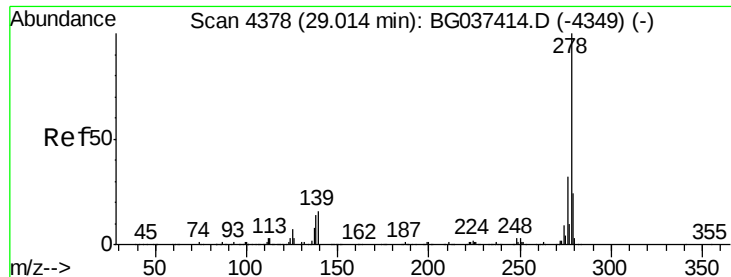
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.4  | 26.2  |
| 125     | 10.4  | 7.4   | 11.0  |



#90  
Benzo(a)pyrene  
Concen: 46.038 ng  
RT: 24.95 min Scan# 3686  
Delta R.T. -0.01 min  
Lab File: BG037772.D  
Acq: 3 Nov 2018 2:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.4  | 26.2  |
| 125     | 11.3  | 9.0   | 13.6  |





#91

Dibenzo(a,h)anthracene

Concen: 39.085 ng

RT: 28.99 min Scan# 4375

Delta R.T. -0.02 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

Instrument :

BNA\_G

ClientSampleId :

PB114415BS

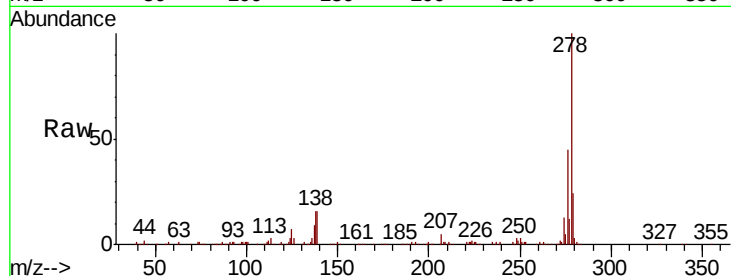
Tot Ion:278 Resp: 605099

Ion Ratio Lower Upper

278 100

139 16.0 11.5 17.3

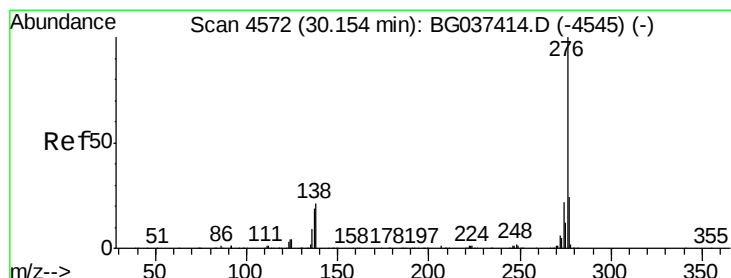
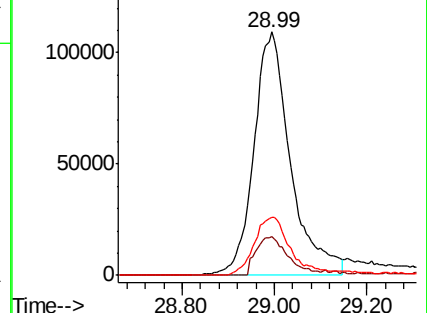
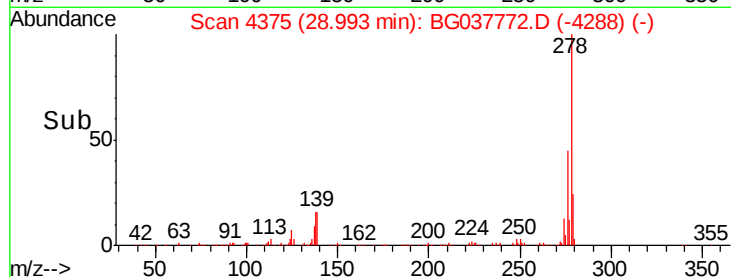
279 23.7 18.6 27.8



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



#92

Benzo(g,h,i)perylene

Concen: 42.412 ng

RT: 30.12 min Scan# 4567

Delta R.T. -0.03 min

Lab File: BG037772.D

Acq: 3 Nov 2018 2:32

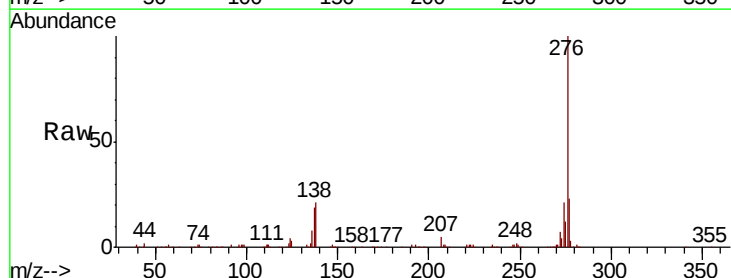
Tgt Ion:276 Resp: 664289

Ion Ratio Lower Upper

276 100

277 23.0 18.9 28.3

138 20.8 17.2 25.8



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

