

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110518\  
 Data File : BG037801.D  
 Acq On : 5 Nov 2018 13:53  
 Operator : JU/SJ  
 Sample : PB114440BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

Quant Time: Nov 05 15:55:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 05 13:45:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 50942    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.92 | 136  | 230951   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.73 | 164  | 151422   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 343681   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.76 | 240  | 311856   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.09 | 264  | 310113   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 495380  | 162.58 | ng | 0.00 |
| 7) Phenol-d6             | 7.25  | 99  | 705515  | 153.12 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.27  | 82  | 329349  | 79.89  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 259948  | 157.40 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.35 | 172 | 811115  | 80.78  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.07 | 244 | 1135251 | 77.78  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 60721  | 39.296 | ng | 92     |
| 3) Pyridine                    | 3.93  | 79  | 132242 | 33.955 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 55305  | 39.867 | ng | # 90   |
| 6) Aniline                     | 7.42  | 93  | 181358 | 32.265 | ng | 94     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 154835 | 43.437 | ng | 98     |
| 9) Benzaldehyde                | 7.24  | 77  | 105997 | 36.777 | ng | 93     |
| 10) Phenol                     | 7.27  | 94  | 207746 | 42.734 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 142821 | 38.681 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 158438 | 39.925 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 161919 | 39.889 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 155630 | 39.857 | ng | 98     |
| 15) Benzyl Alcohol             | 8.33  | 79  | 135878 | 39.912 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 255812 | 38.721 | ng | 98     |
| 17) 2-Methylphenol             | 8.53  | 107 | 142372 | 44.298 | ng | 98     |
| 18) Hexachloroethane           | 9.18  | 117 | 57528  | 41.570 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 116143 | 36.606 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 192566 | 41.907 | ng | 99     |
| 22) Acetophenone               | 8.93  | 105 | 227829 | 39.334 | ng | # 96   |
| 24) Nitrobenzene               | 9.31  | 77  | 174780 | 40.809 | ng | 93     |
| 25) Isophorone                 | 9.83  | 82  | 333946 | 44.332 | ng | 97     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 85828  | 44.484 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 167204 | 48.536 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93  | 206849 | 41.911 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.55 | 162 | 168788 | 44.006 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.77 | 180 | 173416 | 41.576 | ng | 98     |
| 31) Naphthalene                | 10.97 | 128 | 499058 | 43.994 | ng | 99     |
| 32) Benzoic acid               | 10.18 | 122 | 79211  | 35.401 | ng | 98     |
| 33) 4-Chloroaniline            | 11.08 | 127 | 136912 | 25.687 | ng | 95     |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 101087 | 40.891 | ng | 97     |
| 35) Caprolactam                | 11.86 | 113 | 56983  | 37.042 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 12.18 | 107 | 180926 | 41.826 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.56 | 142 | 382338 | 46.237 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.78 | 142 | 360125 | 44.845 | ng | 96     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 202067 | 41.372 | ng | 99     |

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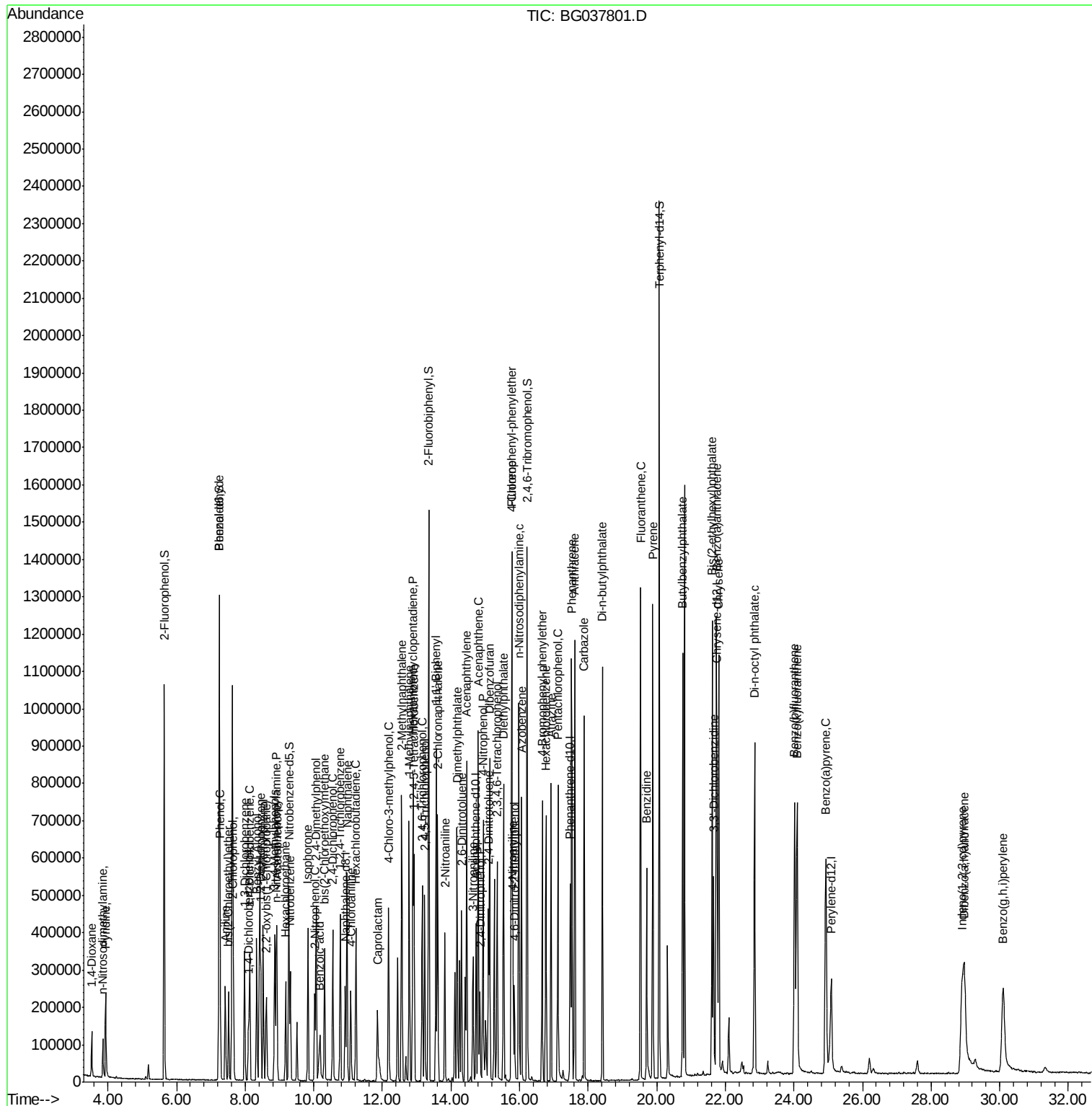
| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.89 | 237  | 249213   | 106.819 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol      | 13.16 | 196  | 144478   | 44.277  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.23 | 196  | 154253   | 43.419  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.56 | 154  | 492311   | 39.258  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.61 | 162  | 393125   | 41.437  | ng    | 98       |
| 48) 2-Nitroaniline             | 13.82 | 65   | 120965   | 42.045  | ng    | 90       |
| 49) Acenaphthylene             | 14.46 | 152  | 644181   | 45.137  | ng    | 99       |
| 50) Dimethylphthalate          | 14.18 | 163  | 482981   | 41.230  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.31 | 165  | 109453   | 42.236  | ng    | 96       |
| 52) Acenaphthene               | 14.80 | 154  | 371943   | 42.317  | ng    | 98       |
| 53) 3-Nitroaniline             | 14.64 | 138  | 97144    | 33.767  | ng    | # 91     |
| 54) 2,4-Dinitrophenol          | 14.84 | 184  | 67452    | 66.247  | ng    | 99       |
| 55) Dibenzofuran               | 15.13 | 168  | 601644   | 41.315  | ng    | 100      |
| 56) 4-Nitrophenol              | 14.94 | 139  | 218151   | 102.445 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 15.09 | 165  | 153818   | 45.218  | ng    | 96       |
| 58) Fluorene                   | 15.78 | 166  | 481623   | 44.165  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.34 | 232  | 133046   | 43.739  | ng    | 98       |
| 60) Diethylphthalate           | 15.53 | 149  | 499645   | 41.545  | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204  | 256152   | 40.300  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.81 | 138  | 115779   | 40.502  | ng    | 93       |
| 63) Azobenzene                 | 16.05 | 77   | 460255   | 40.111  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 69598    | 40.258  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 433237   | 41.907  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.66 | 248  | 158538   | 42.006  | ng    | 98       |
| 68) Hexachlorobenzene          | 16.77 | 284  | 159709   | 40.830  | ng    | 99       |
| 69) Atrazine                   | 16.92 | 200  | 160239   | 42.871  | ng    | 100      |
| 70) Pentachlorophenol          | 17.12 | 266  | 170463   | 65.059  | ng    | 94       |
| 71) Phenanthrene               | 17.52 | 178  | 774826   | 44.360  | ng    | 99       |
| 72) Anthracene                 | 17.61 | 178  | 782668   | 45.660  | ng    | 99       |
| 73) Carbazole                  | 17.88 | 167  | 696512   | 40.621  | ng    | 100      |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 813924   | 42.672  | ng    | 99       |
| 75) Fluoranthene               | 19.53 | 202  | 885937   | 44.720  | ng    | 100      |
| 77) Benzidine                  | 19.71 | 184  | 383026   | 36.121  | ng    | 100      |
| 78) Pyrene                     | 19.89 | 202  | 883012   | 43.314  | ng    | 98       |
| 80) Butylbenzylphthalate       | 20.75 | 149  | 370553   | 44.413  | ng    | 98       |
| 81) Benzo(a)anthracene         | 21.74 | 228  | 826001   | 44.779  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.65 | 252  | 230155   | 32.190  | ng    | 98       |
| 83) Chrysene                   | 21.81 | 228  | 779019   | 43.920  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149  | 520529   | 44.509  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.85 | 149  | 872390   | 45.745  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.91 | 276  | 706779   | 37.152  | ng    | # 93     |
| 88) Benzo(b)fluoranthene       | 24.02 | 252  | 780517   | 45.909  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.09 | 252  | 782334   | 46.967  | ng    | 99       |
| 90) Benzo(a)pyrene             | 24.93 | 252  | 758142   | 46.928  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 28.97 | 278  | 565297   | 37.934  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.11 | 276  | 582406   | 38.630  | ng    | 99       |

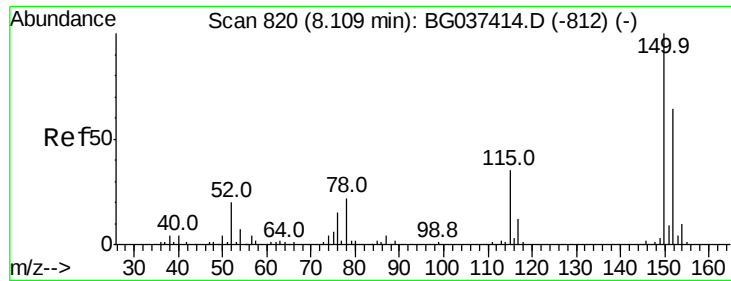
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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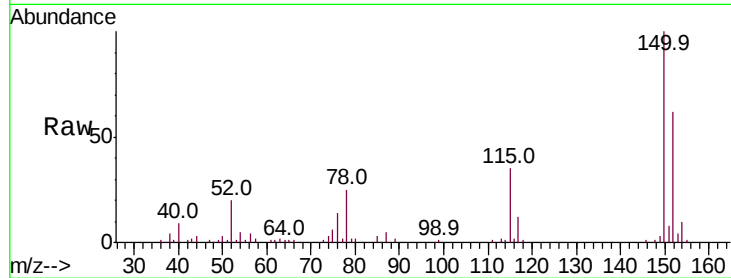


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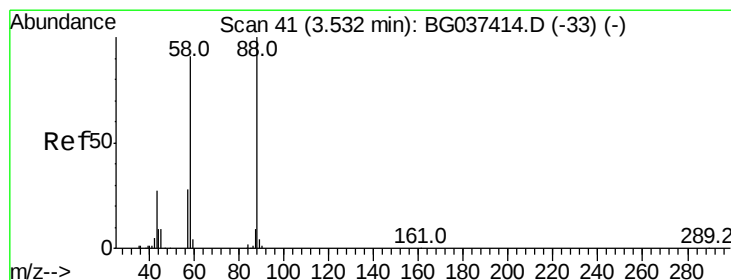
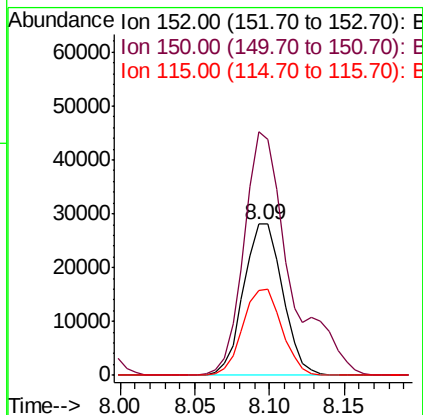
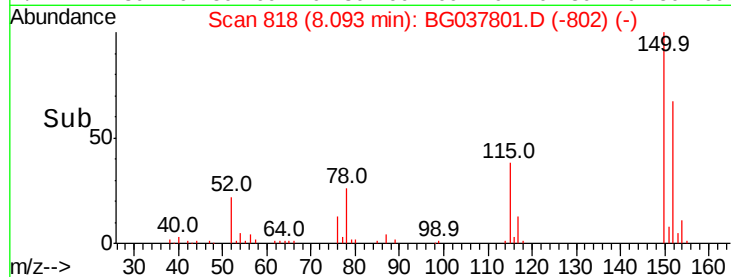
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

Tot Ion:152 Resp: 50942  
Ion Ratio Lower Upper  
152 100  
150 161.3 126.0 189.0  
115 56.6 45.5 68.3



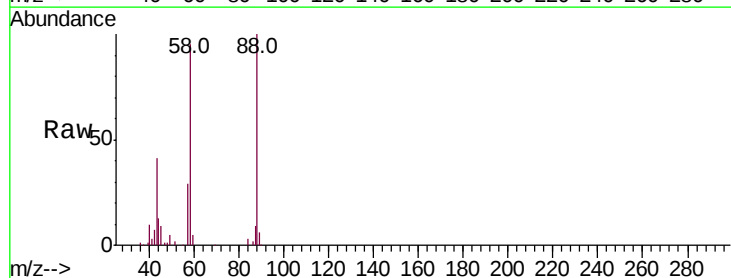
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



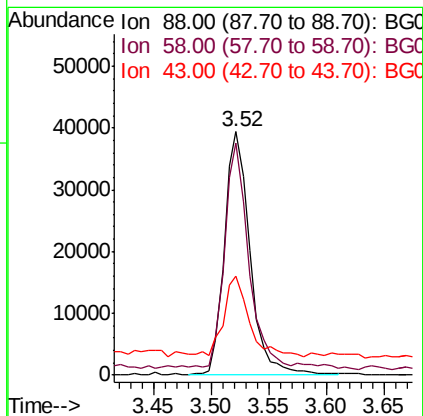
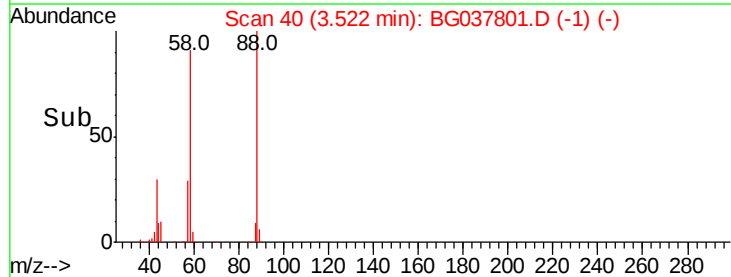
#2

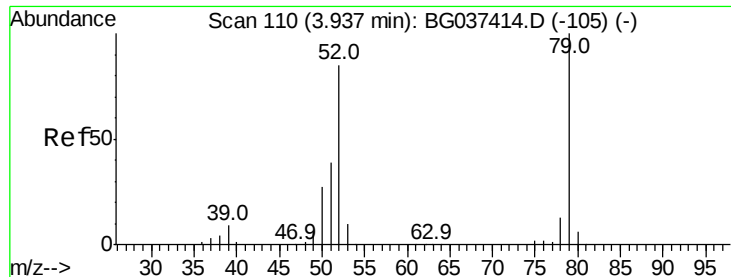
1,4-Dioxane  
Concen: 39.296 ng  
RT: 3.52 min Scan# 40  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion: 88 Resp: 60721  
Ion Ratio Lower Upper  
88 100  
58 83.4 74.4 111.6  
43 32.8 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: 33.955 ng

RT: 3.93 min Scan# 109

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

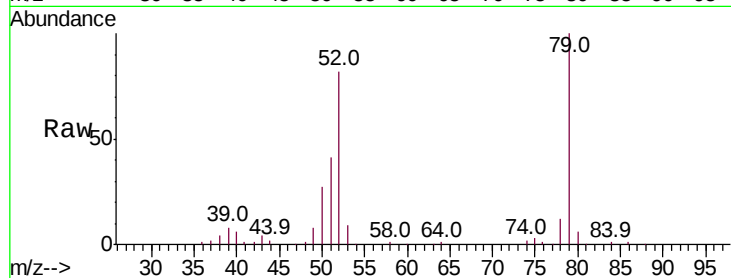
Tot Ion: 79 Resp: 132242

Ion Ratio Lower Upper

79 100

52 81.5 74.2 111.2

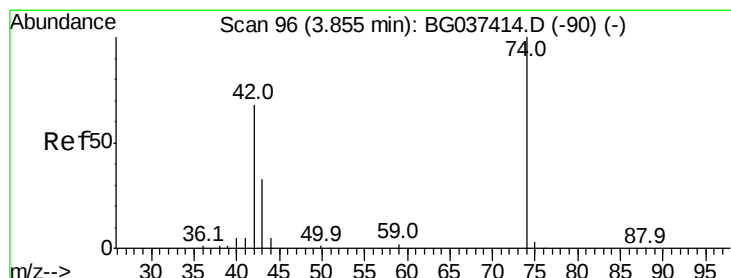
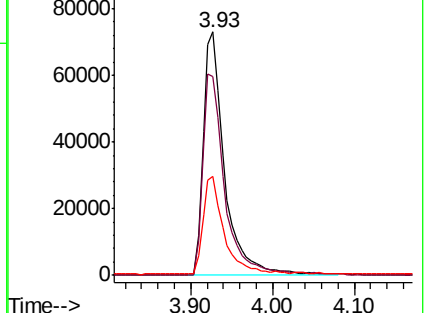
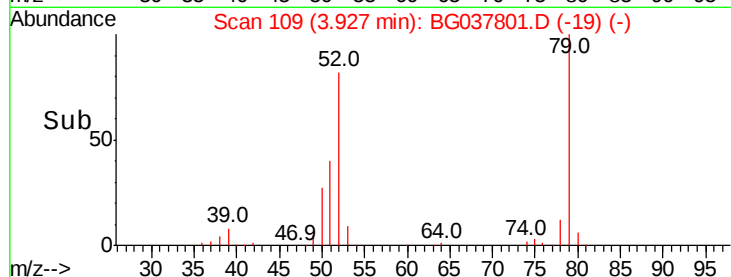
51 40.8 34.6 51.8



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 39.867 ng

RT: 3.84 min Scan# 95

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

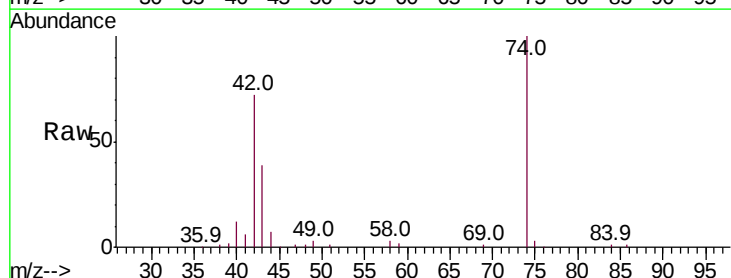
Tgt Ion: 42 Resp: 55305

Ion Ratio Lower Upper

42 100

74 139.5 102.0 153.0

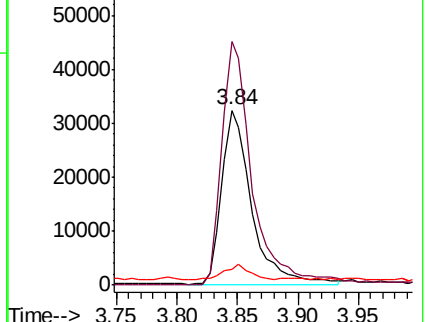
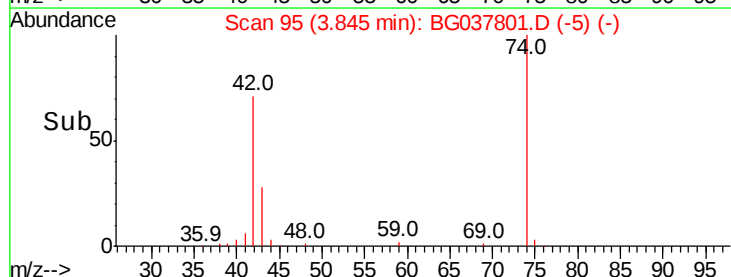
44 9.1 9.6 14.4#

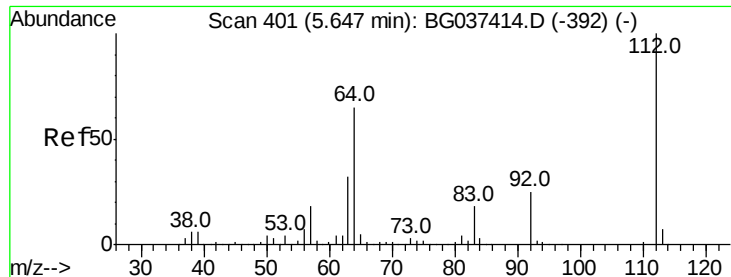


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 162.578 ng

RT: 5.64 min Scan# 400

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

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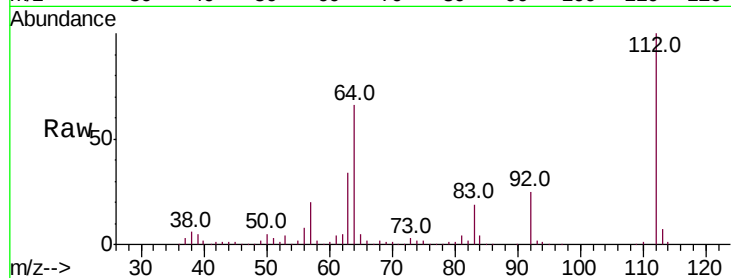
Tot Ion:112 Resp: 495380

Ion Ratio Lower Upper

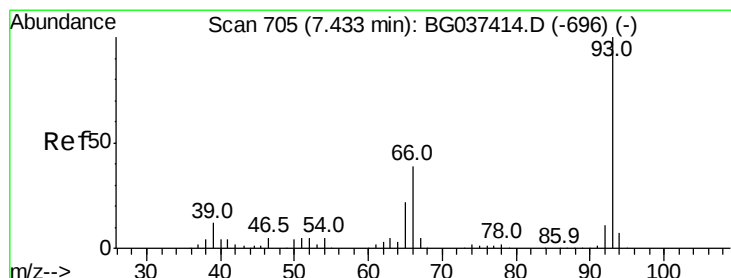
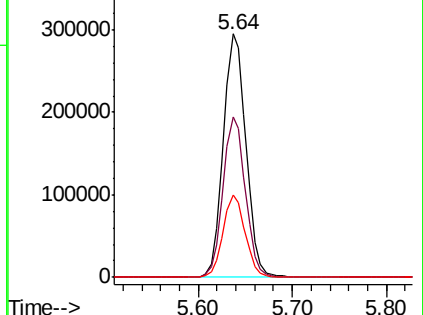
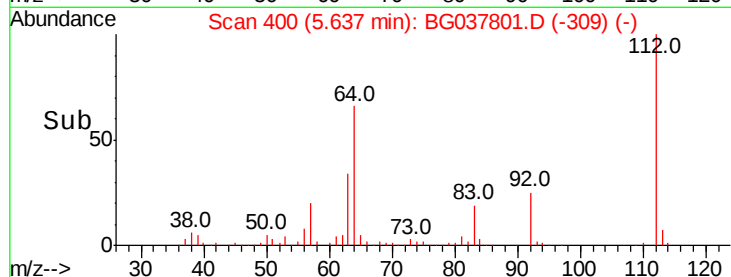
112 100

64 65.7 53.1 79.7

63 33.9 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: 32.265 ng

RT: 7.42 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

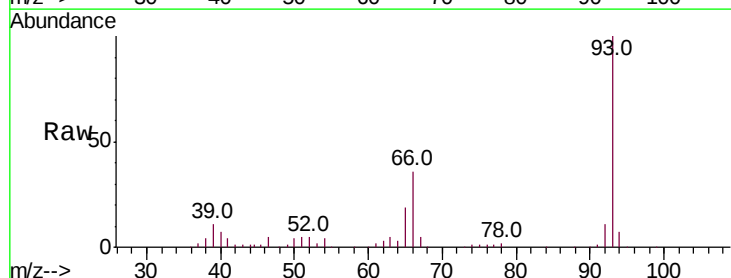
Tgt Ion: 93 Resp: 181358

Ion Ratio Lower Upper

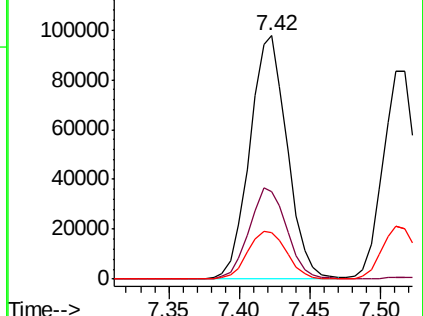
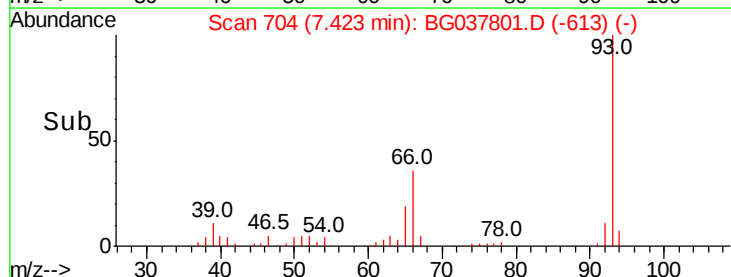
93 100

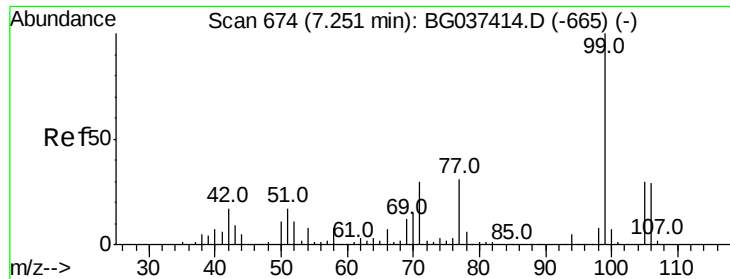
66 36.1 32.8 49.2

65 19.1 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: 153.123 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.01 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

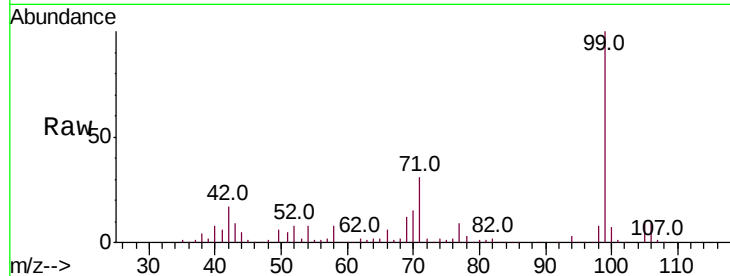
Tot Ion: 99 Resp: 705515

Ion Ratio Lower Upper

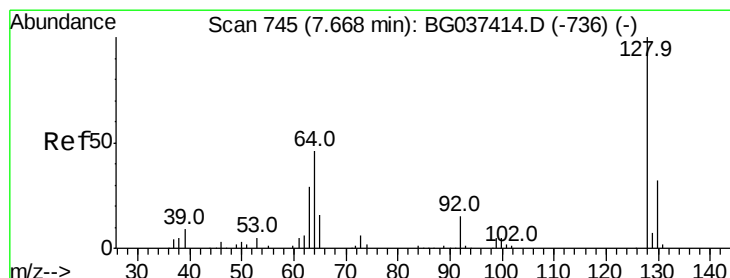
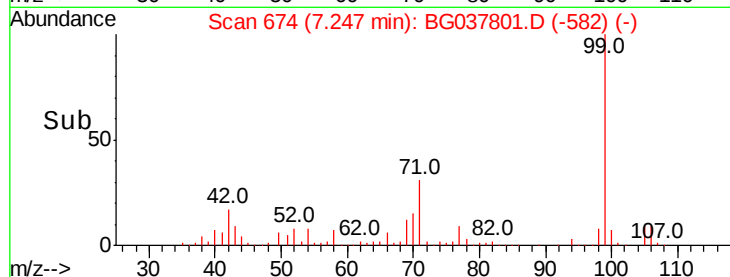
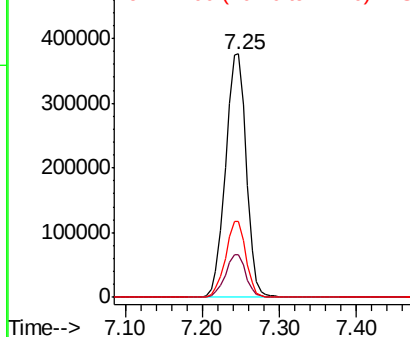
99 100

42 17.3 15.0 22.4

71 31.4 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: 43.437 ng

RT: 7.66 min Scan# 744

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

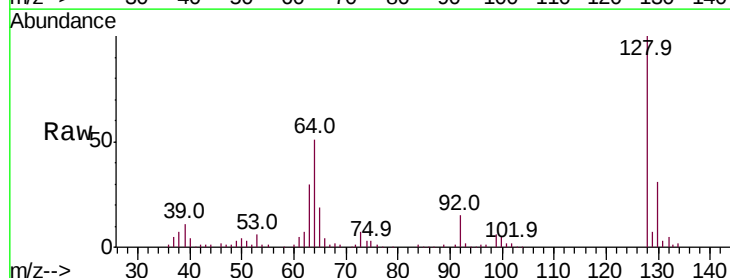
Tgt Ion:128 Resp: 154835

Ion Ratio Lower Upper

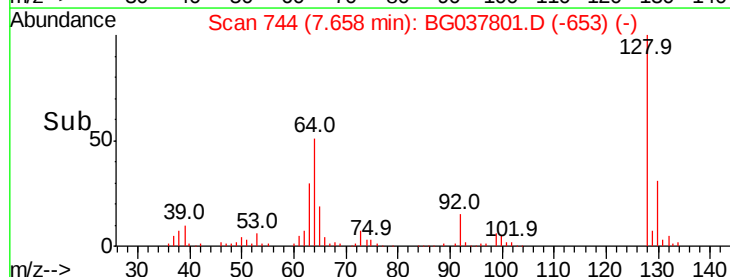
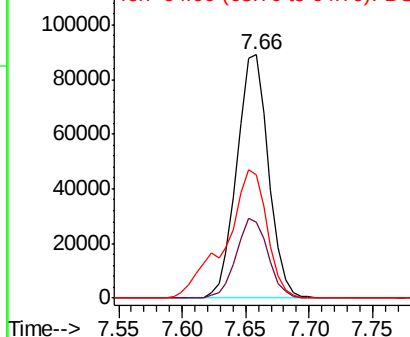
128 100

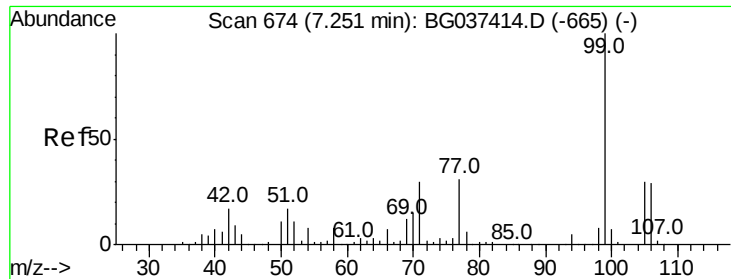
130 31.4 12.0 52.0

64 50.5 32.9 72.9



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





#9

Benzaldehyde

Concen: 36.777 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

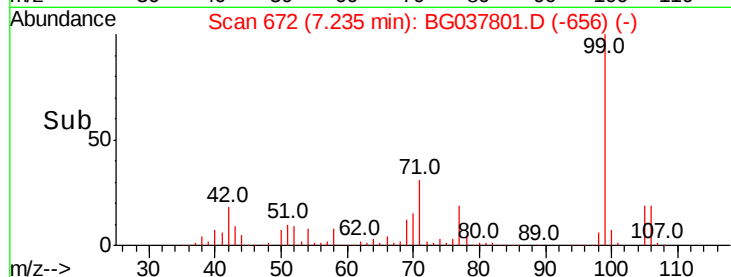
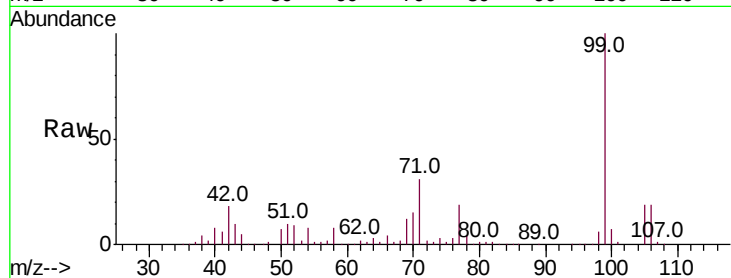
BNA\_G

ClientSampleId :

PB114440BS

Tot Ion: 77 Resp: 105997

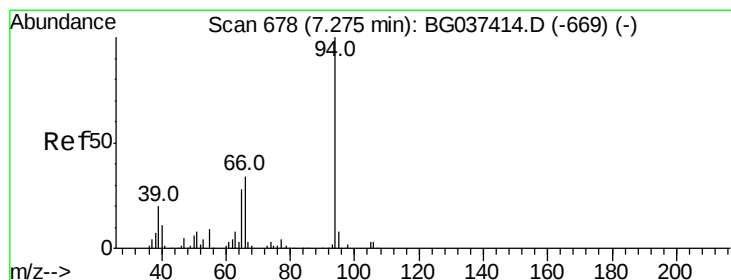
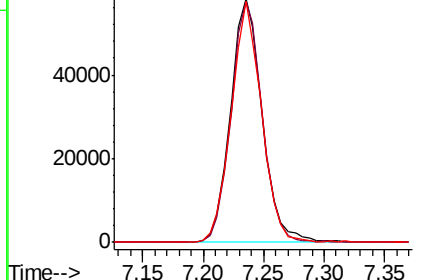
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 98.7  | 72.6  | 112.6 |
| 106 | 98.8  | 71.3  | 111.3 |



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: 42.734 ng

RT: 7.27 min Scan# 678

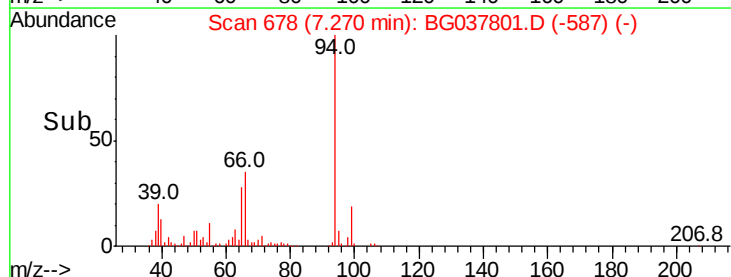
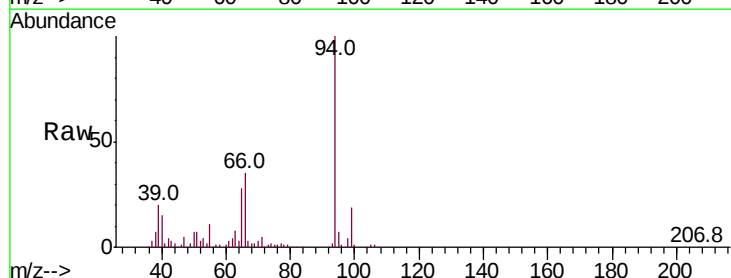
Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Tgt Ion: 94 Resp: 207746

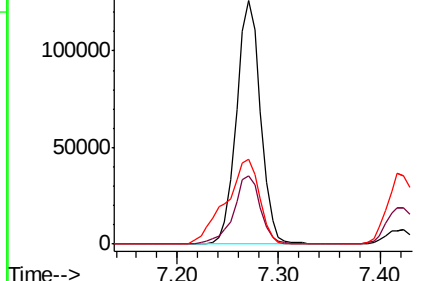
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 28.0  | 9.7   | 49.7  |
| 66  | 34.8  | 15.9  | 55.9  |

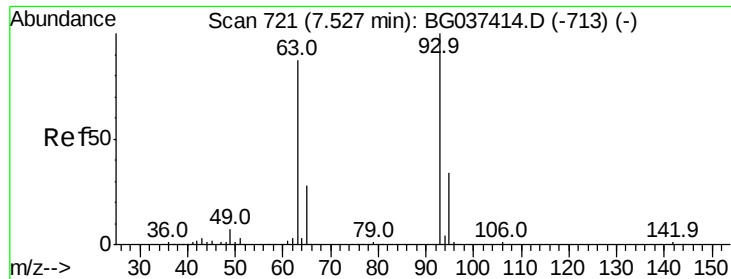


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

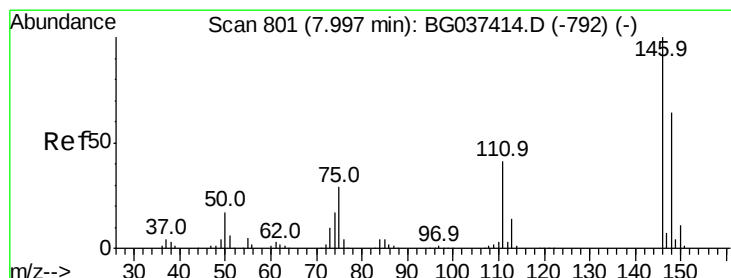
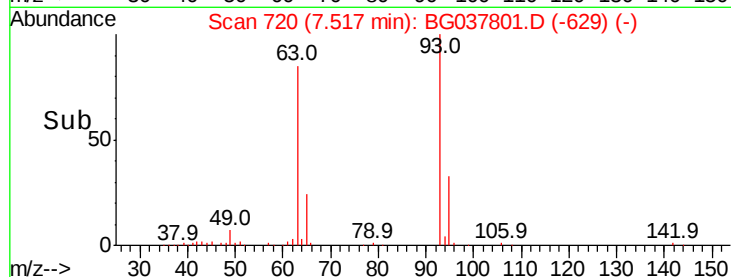
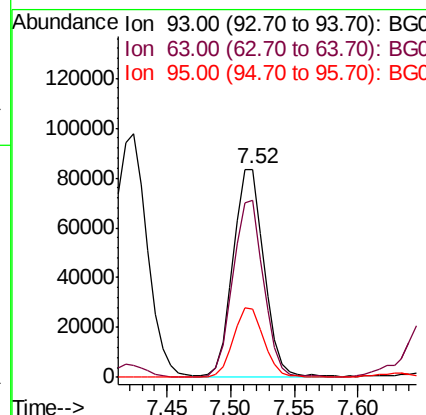
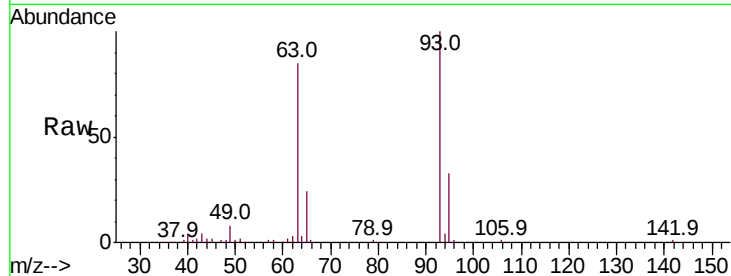




#11  
 bis(2-Chloroethyl)ether  
 Concen: 38.681 ng  
 RT: 7.52 min Scan# 720  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

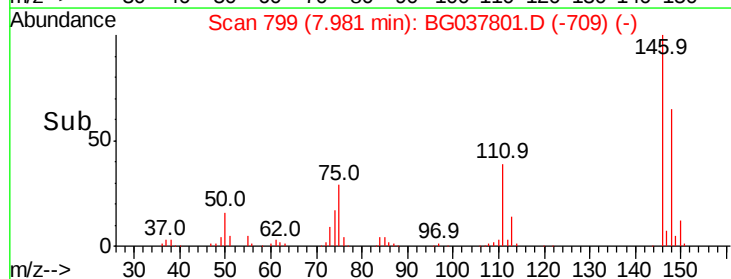
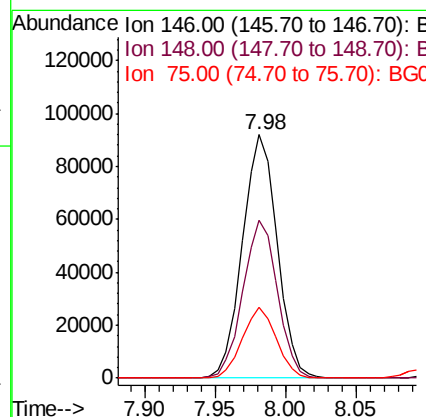
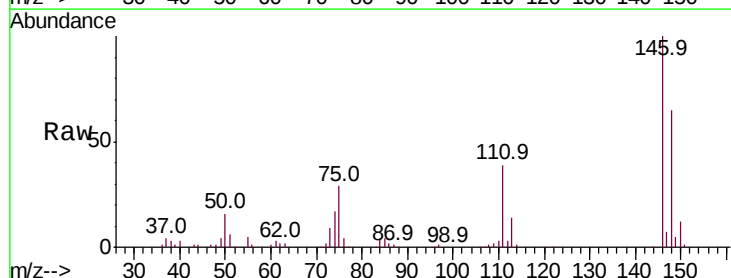
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

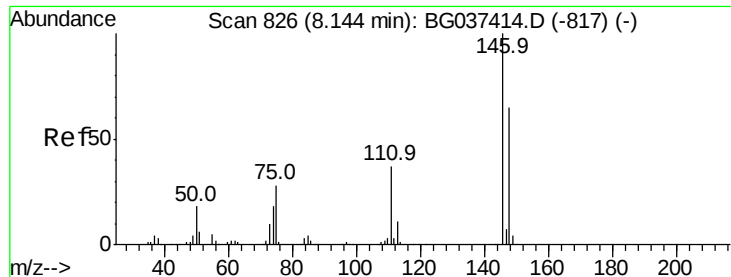
Tot Ion: 93 Resp: 142821  
 Ion Ratio Lower Upper  
 93 100  
 63 85.2 69.5 109.5  
 95 32.6 12.6 52.6



#12  
 1,3-Dichlorobenzene  
 Concen: 39.925 ng  
 RT: 7.98 min Scan# 799  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion: 146 Resp: 158438  
 Ion Ratio Lower Upper  
 146 100  
 148 64.8 49.8 74.8  
 75 29.3 23.2 34.8

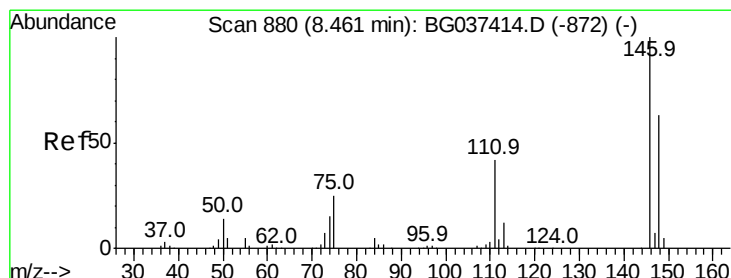
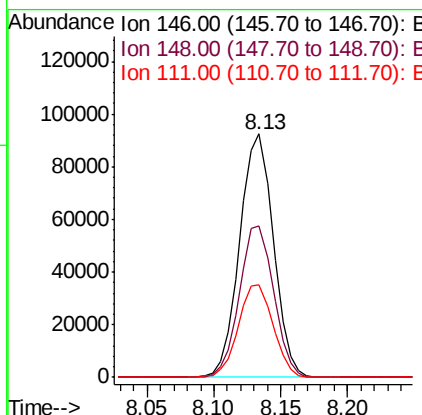
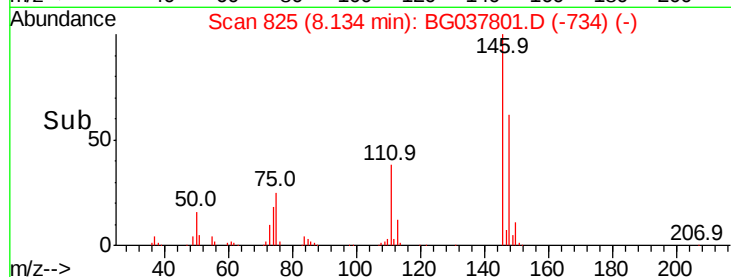
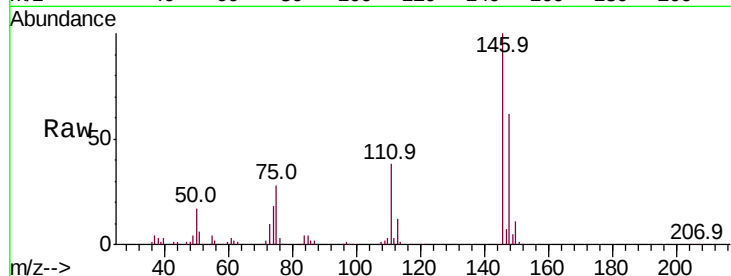




#13  
1,4-Dichlorobenzene  
Concen: 39.889 ng  
RT: 8.13 min Scan# 825  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

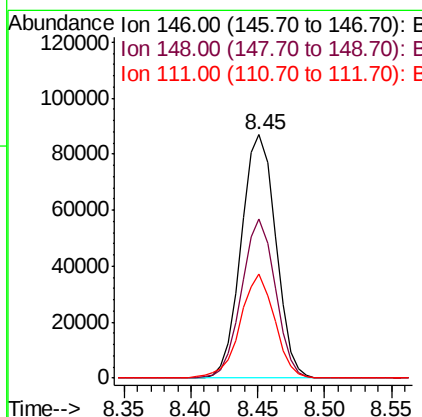
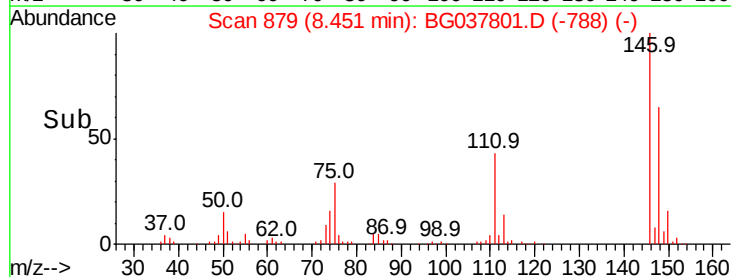
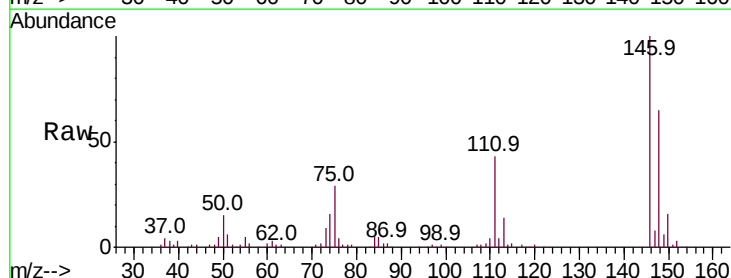
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

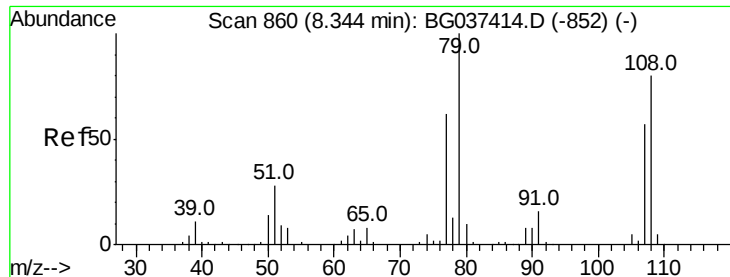
Tot Ion:146 Resp: 161919  
Ion Ratio Lower Upper  
146 100  
148 62.4 51.0 76.6  
111 38.1 32.4 48.6



#14  
1,2-Dichlorobenzene  
Concen: 39.857 ng  
RT: 8.45 min Scan# 879  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion:146 Resp: 155630  
Ion Ratio Lower Upper  
146 100  
148 65.2 50.4 75.6  
111 42.7 34.6 51.8





#15

Benzyl Alcohol

Concen: 39.912 ng

RT: 8.33 min Scan# 859

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

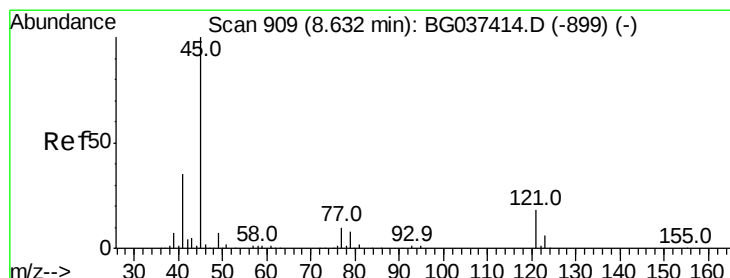
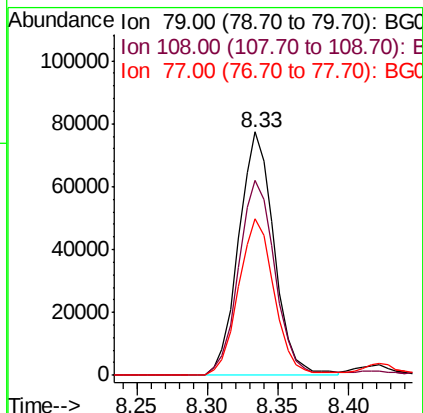
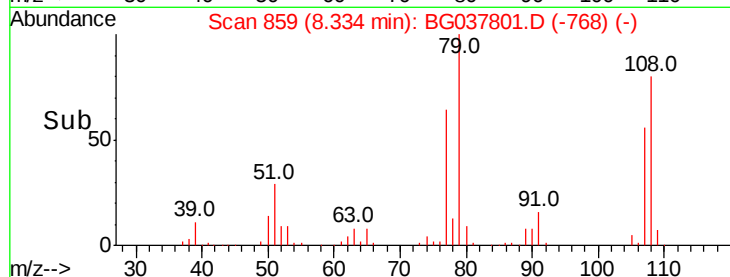
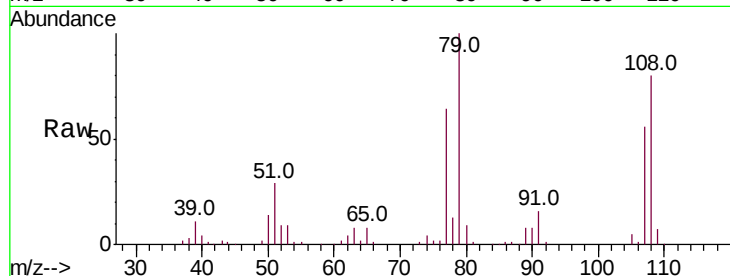
Tot Ion: 79 Resp: 135878

Ion Ratio Lower Upper

79 100

108 80.1 65.8 98.8

77 64.3 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.721 ng

RT: 8.62 min Scan# 907

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

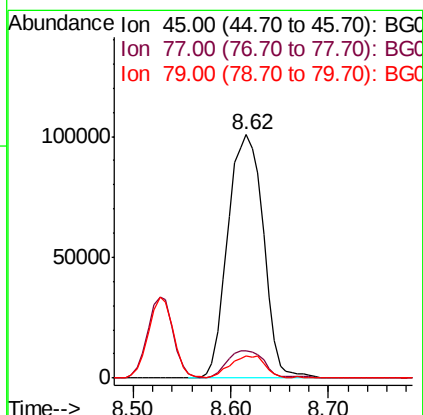
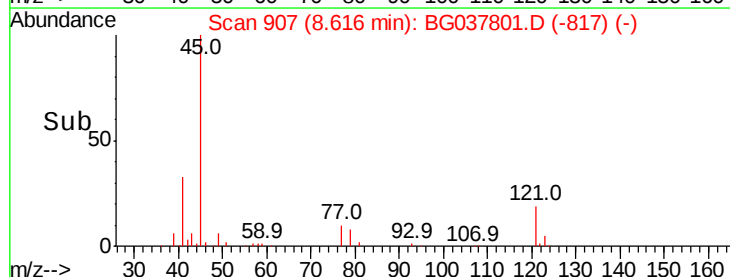
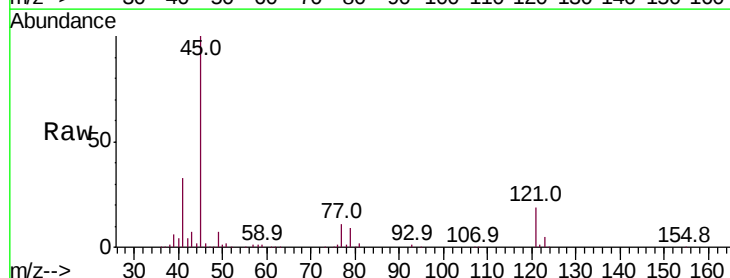
Tgt Ion: 45 Resp: 255812

Ion Ratio Lower Upper

45 100

77 11.2 0.0 30.0

79 8.9 0.0 29.0

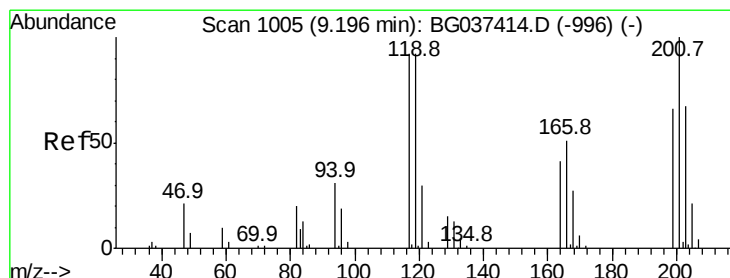
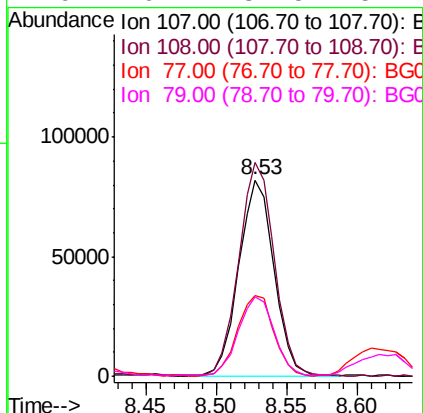
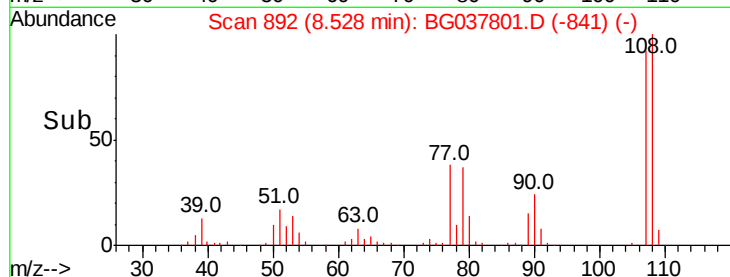
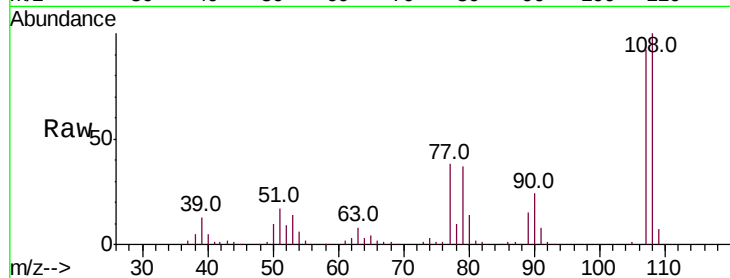




#17  
2-Methylphenol  
Concen: 44.298 ng  
RT: 8.53 min Scan# 892  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

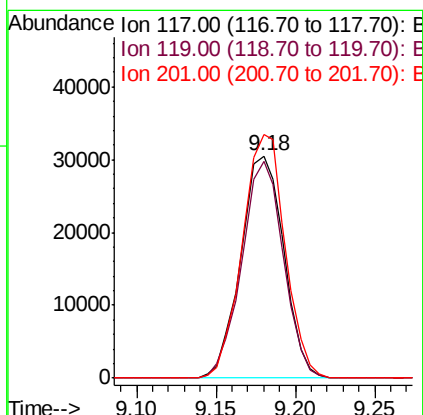
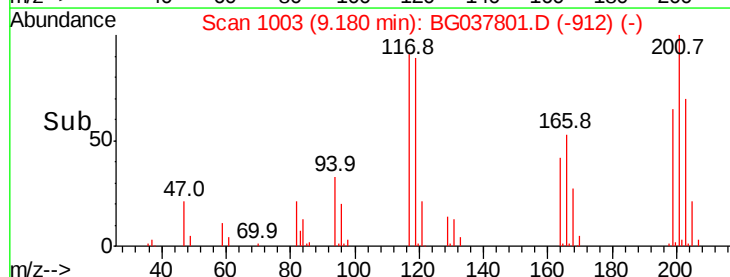
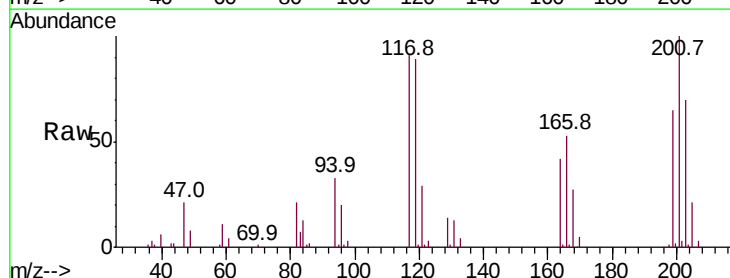
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

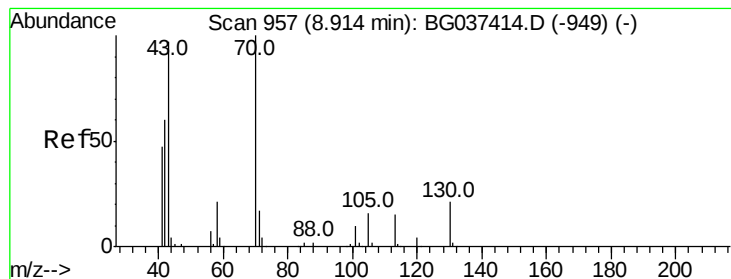
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 142372 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 108.7 | 87.9  | 131.9  |
| 77       | 41.0  | 35.1  | 52.7   |
| 79       | 40.7  | 34.5  | 51.7   |



#18  
Hexachloroethane  
Concen: 41.570 ng  
RT: 9.18 min Scan# 1003  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 57528 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.5  | 74.6  | 111.8 |
| 201      | 113.1 | 80.8  | 121.2 |





#19

n-Nitroso-di-n-propylamine

Concen: 36.606 ng

RT: 8.90 min Scan# 955

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

Tot Ion: 70 Resp: 116143

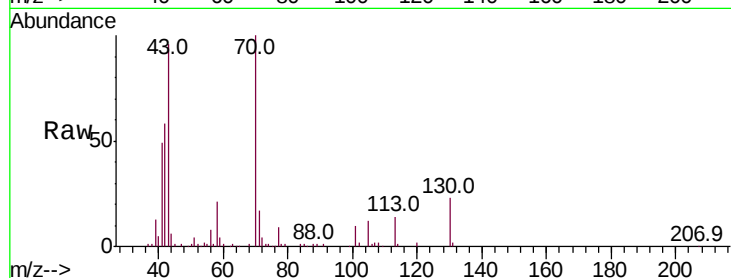
Ion Ratio Lower Upper

70 100

42 58.2 53.9 80.9

101 10.4 8.2 12.2

130 23.1 18.2 27.4

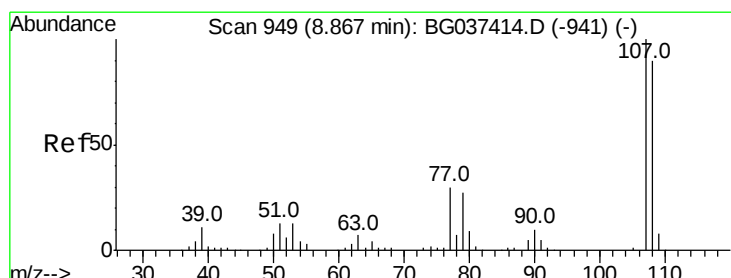
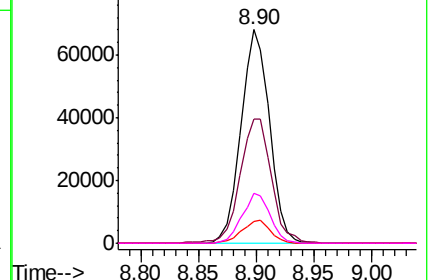
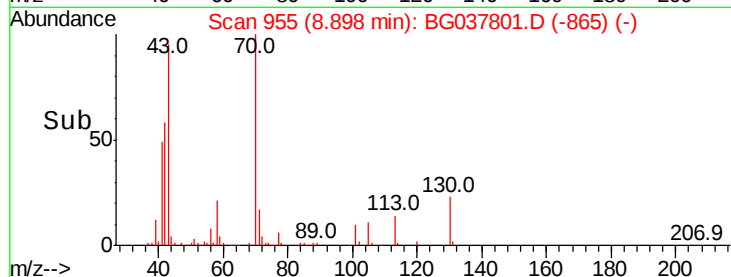


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 41.907 ng

RT: 8.86 min Scan# 948

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Tgt Ion: 107 Resp: 192566

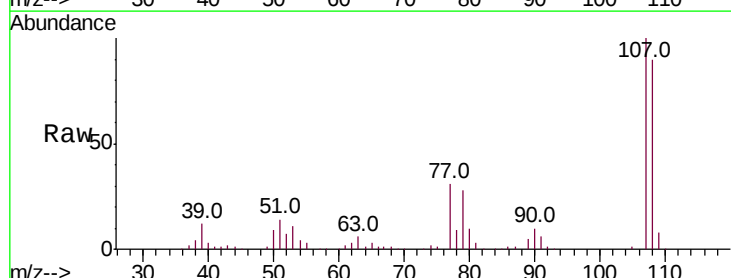
Ion Ratio Lower Upper

107 100

108 89.8 69.9 109.9

77 31.2 11.2 51.2

79 27.9 6.6 46.6

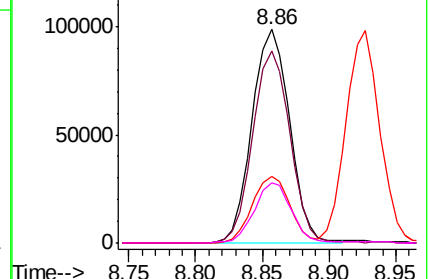
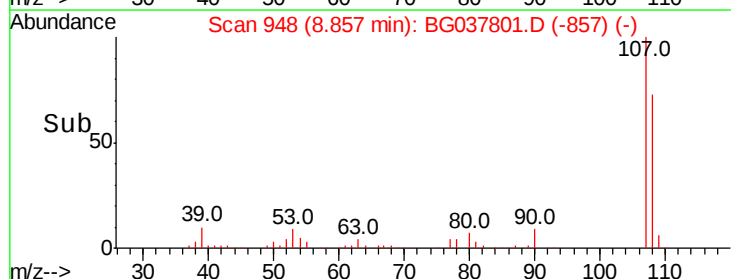


Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

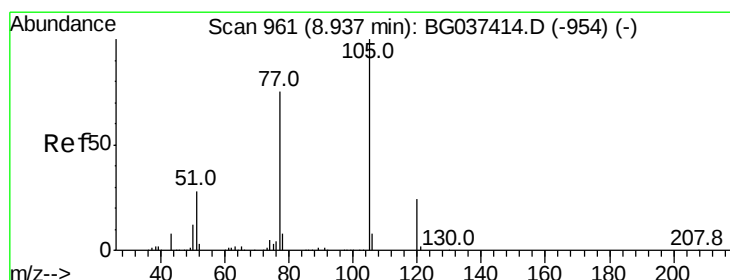
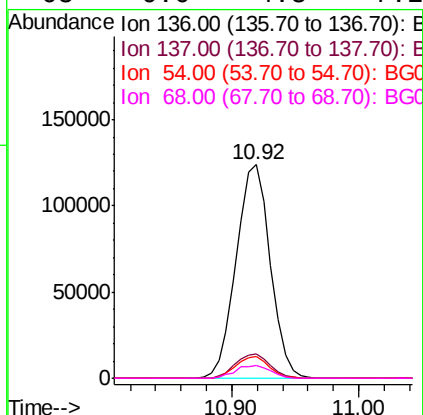
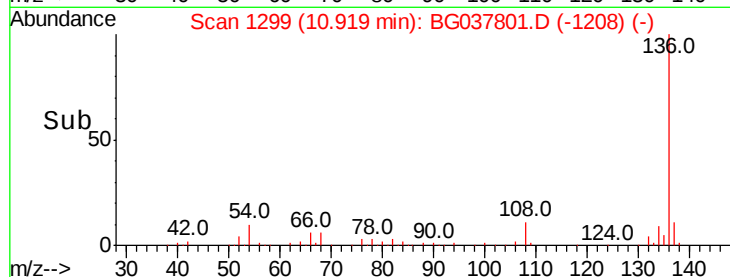
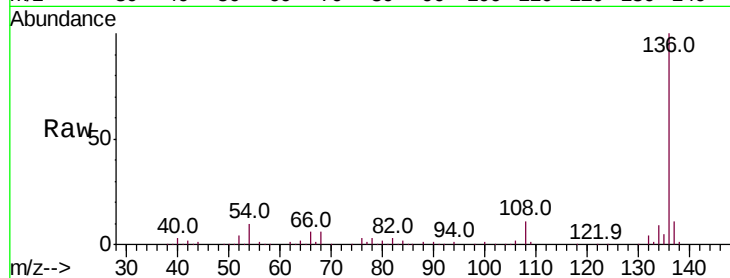




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

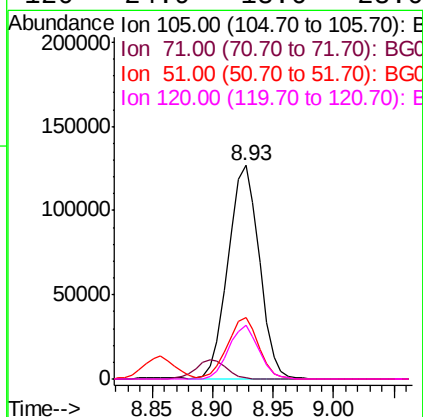
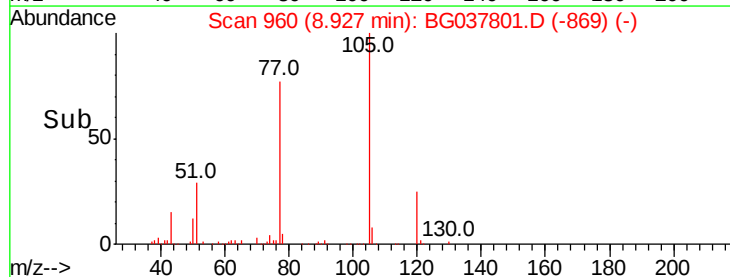
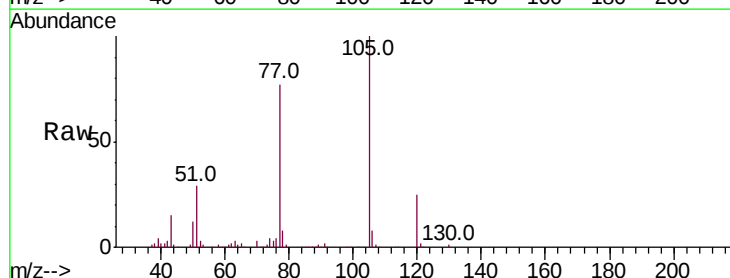
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 230951 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.5  | 9.6   | 14.4   |
| 54       | 10.4  | 7.9   | 11.9   |
| 68       | 6.0   | 4.8   | 7.2    |



#22  
Acetophenone  
Concen: 39.334 ng  
RT: 8.93 min Scan# 960  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 227829 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.4   | 1.2   | 1.8#   |
| 51       | 29.0  | 25.0  | 37.6   |
| 120      | 24.9  | 18.6  | 28.0   |

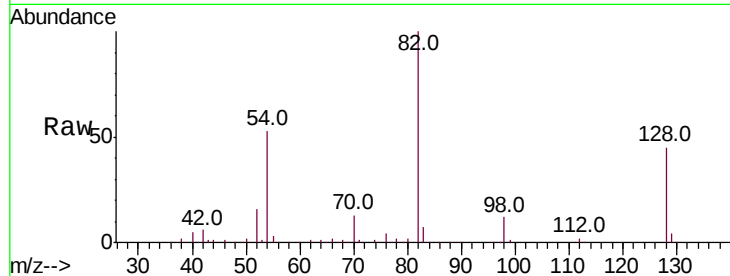




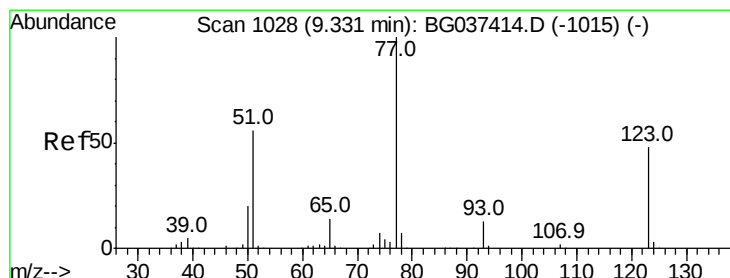
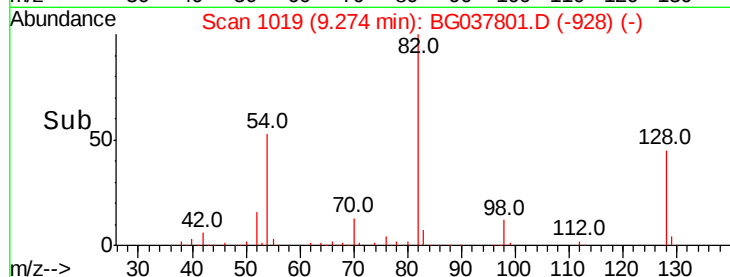
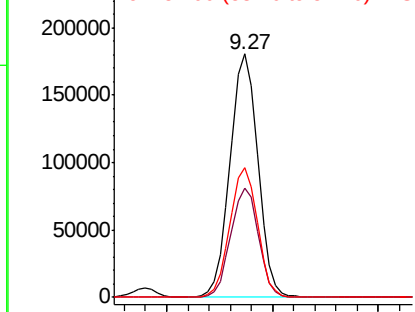
#23  
Nitrobenzene-d5  
Concen: 79.886 ng  
RT: 9.27 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

Tot Ion: 82 Resp: 329349  
Ion Ratio Lower Upper  
82 100  
128 45.1 34.6 51.8  
54 53.4 45.3 67.9

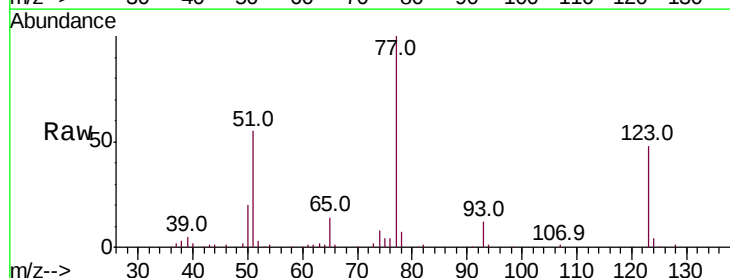


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

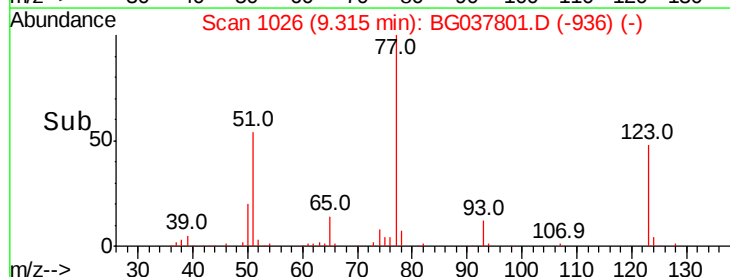
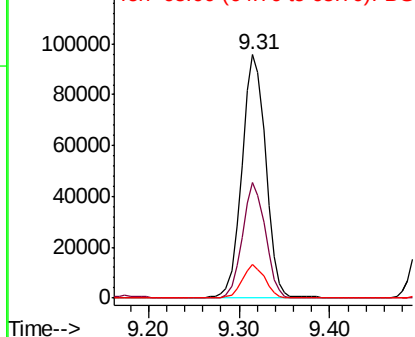


#24  
Nitrobenzene  
Concen: 40.809 ng  
RT: 9.31 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion: 77 Resp: 174780  
Ion Ratio Lower Upper  
77 100  
123 47.7 33.6 50.4  
65 13.9 11.3 16.9



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 123.00 (122.70 to 123.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

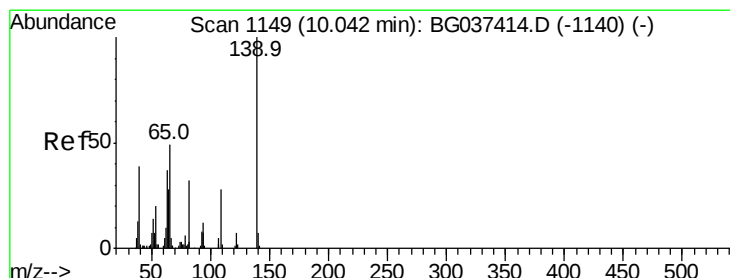
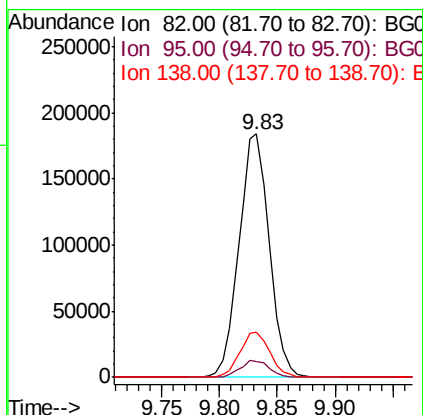
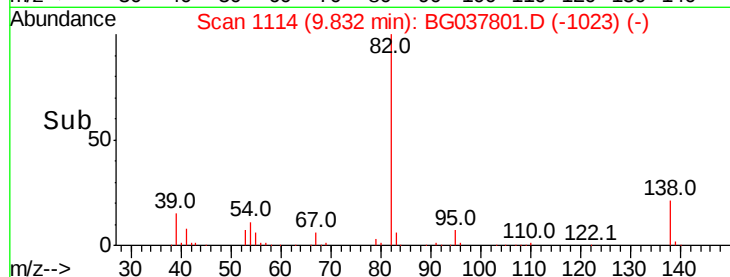
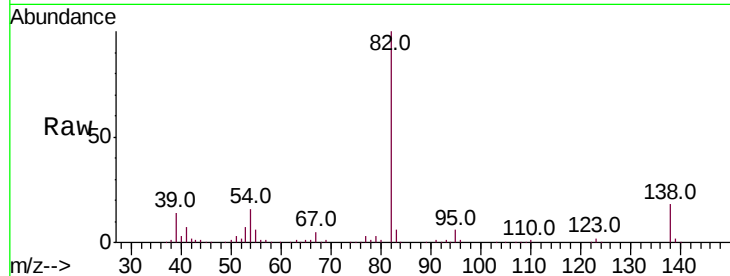




#25  
Isophorone  
Concen: 44.332 ng  
RT: 9.83 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

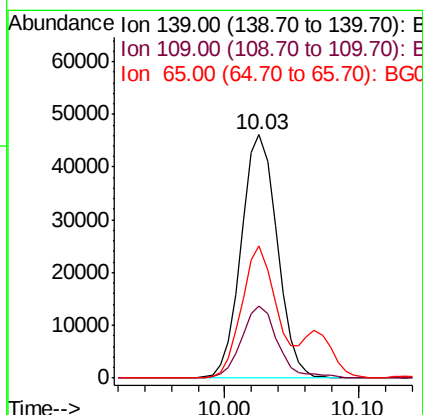
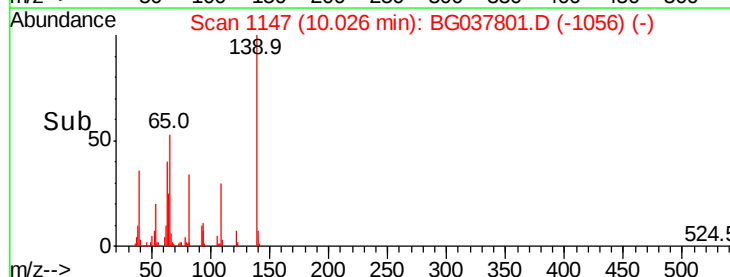
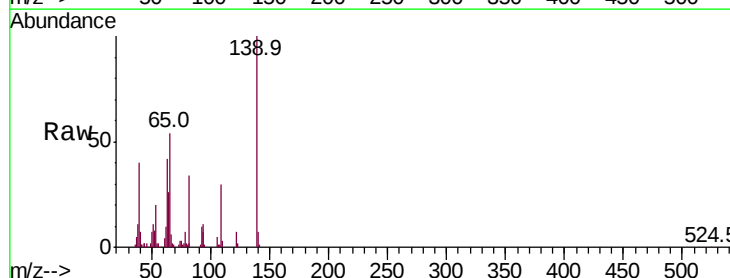
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

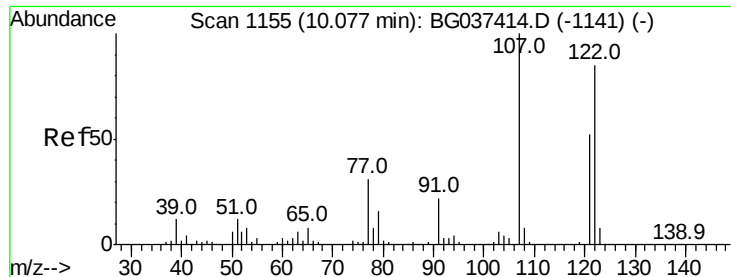
Tot Ion: 82 Resp: 333946  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.3 7.9  
138 18.5 13.3 19.9



#26  
2-Nitrophenol  
Concen: 44.484 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion: 139 Resp: 85828  
Ion Ratio Lower Upper  
139 100  
109 29.6 23.3 34.9  
65 54.5 39.8 59.8

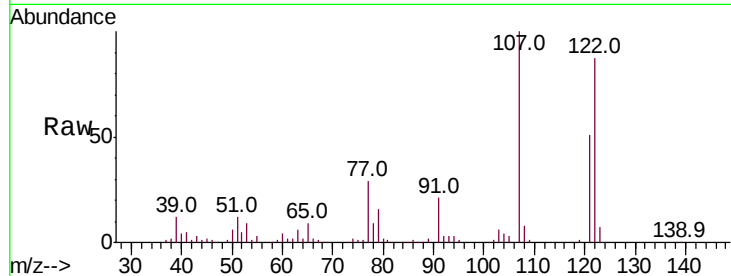




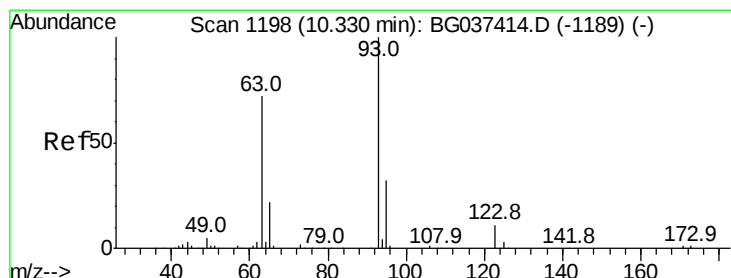
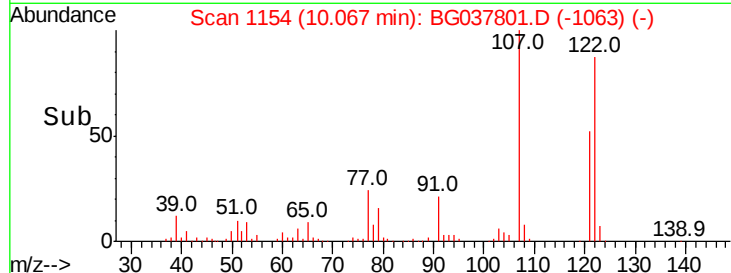
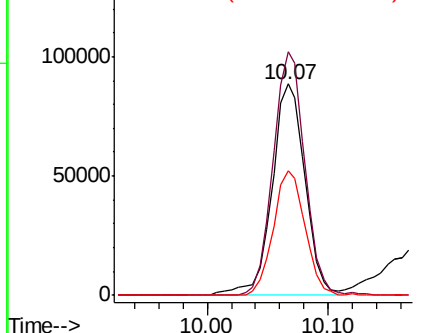
#27  
2,4-Dimethylphenol  
Concen: 48.536 ng  
RT: 10.07 min Scan# 1154  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

Tot Ion:122 Resp: 167204  
Ion Ratio Lower Upper  
122 100  
107 115.3 94.2 141.2  
121 59.2 47.3 70.9

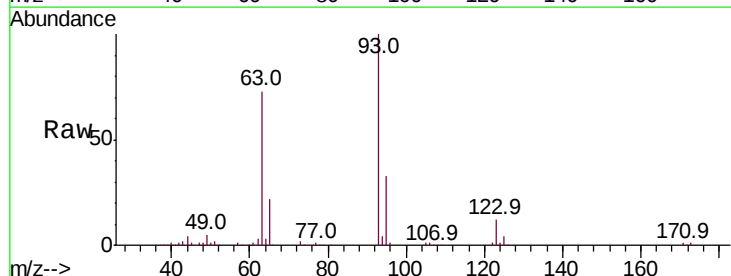


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

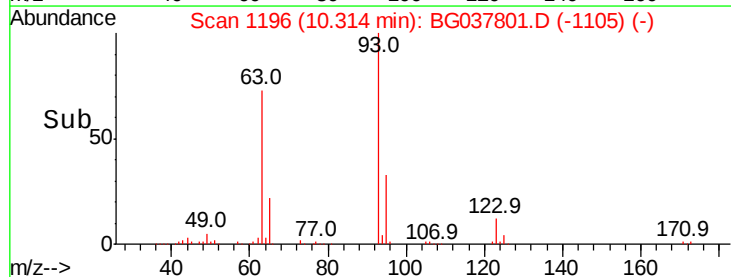
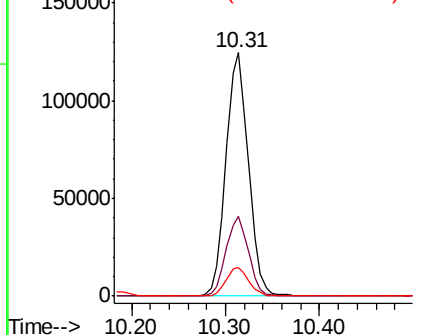


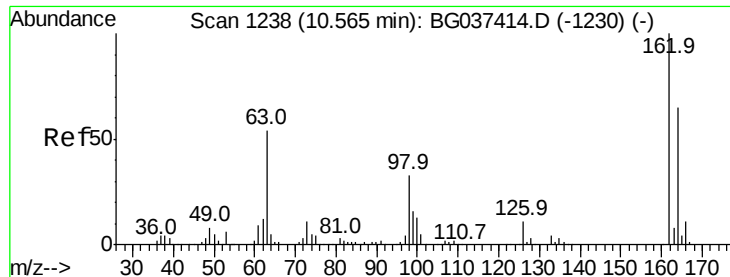
#28  
bis(2-Chloroethoxy)methane  
Concen: 41.911 ng  
RT: 10.31 min Scan# 1196  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion: 93 Resp: 206849  
Ion Ratio Lower Upper  
93 100  
95 32.9 24.6 37.0  
123 11.6 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

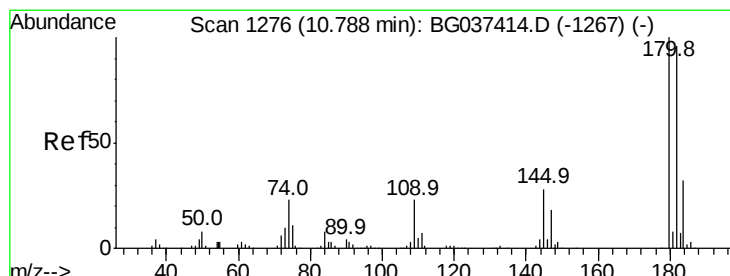
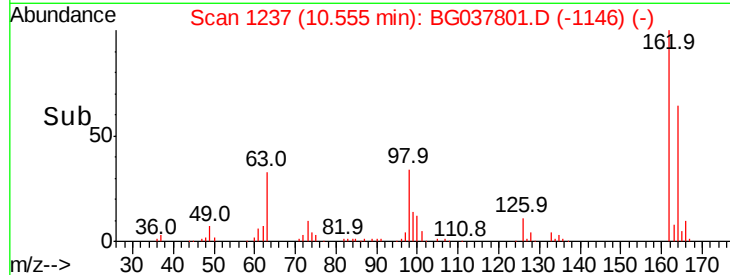
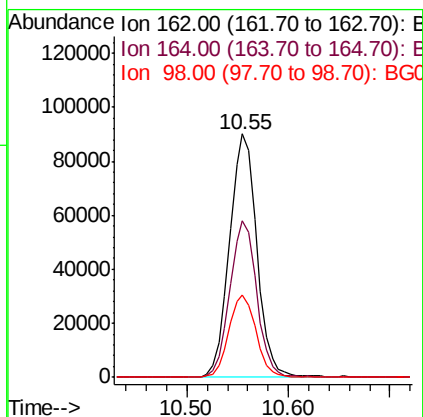
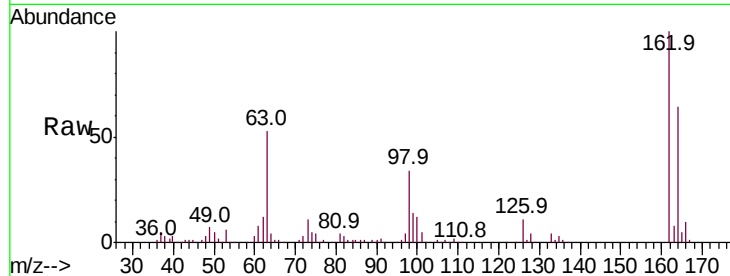




#29  
 2,4-Dichlorophenol  
 Concen: 44.006 ng  
 RT: 10.55 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

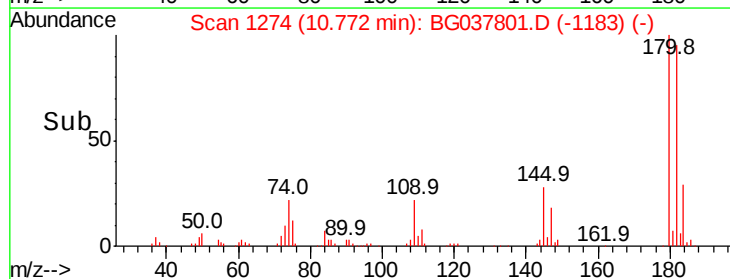
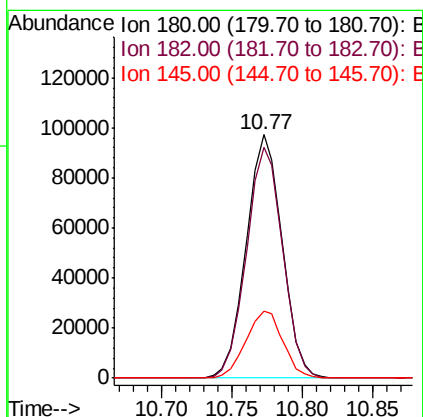
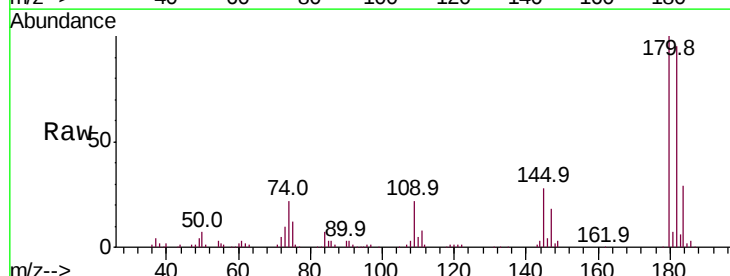
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

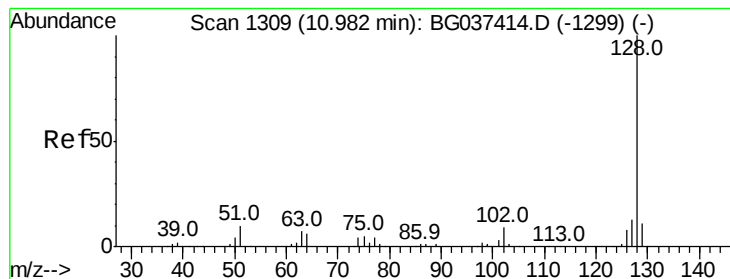
Tot Ion:162 Resp: 168788  
 Ion Ratio Lower Upper  
 162 100  
 164 64.3 43.2 83.2  
 98 34.1 16.0 56.0



#30  
 1,2,4-Trichlorobenzene  
 Concen: 41.576 ng  
 RT: 10.77 min Scan# 1274  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:180 Resp: 173416  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 77.7 116.5  
 145 27.5 23.3 34.9





#31

Naphthalene

Concen: 43.994 ng

RT: 10.97 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

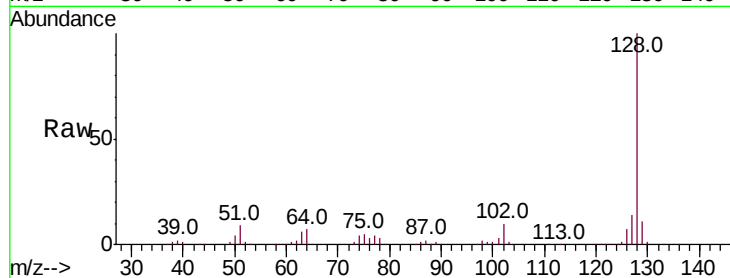
Tot Ion:128 Resp: 499058

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

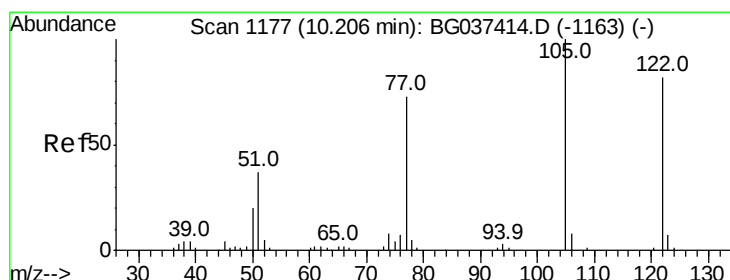
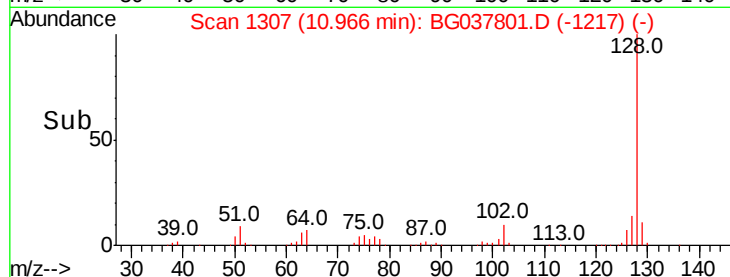
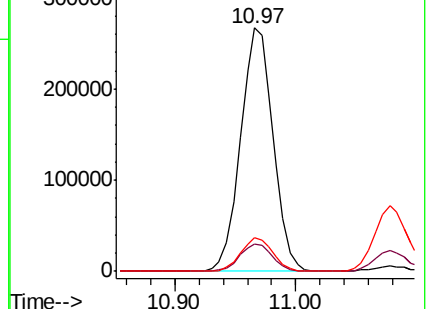
127 13.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.401 ng

RT: 10.18 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

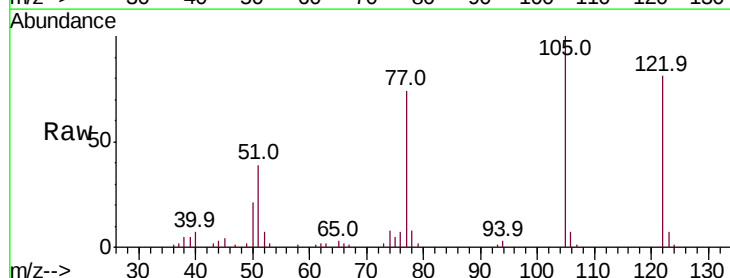
Tgt Ion:122 Resp: 79211

Ion Ratio Lower Upper

122 100

105 123.9 106.7 146.7

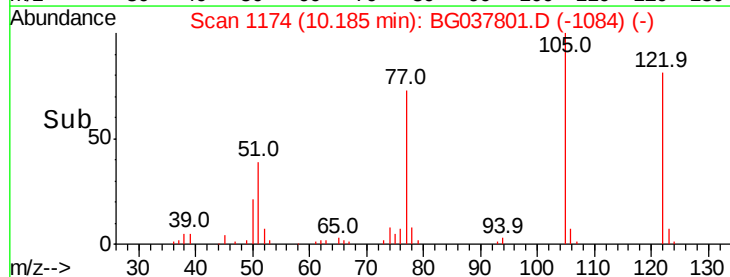
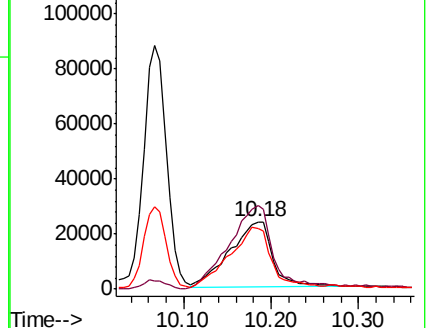
77 91.2 72.2 112.2

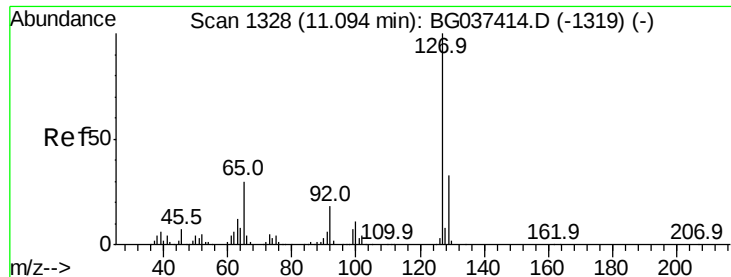


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

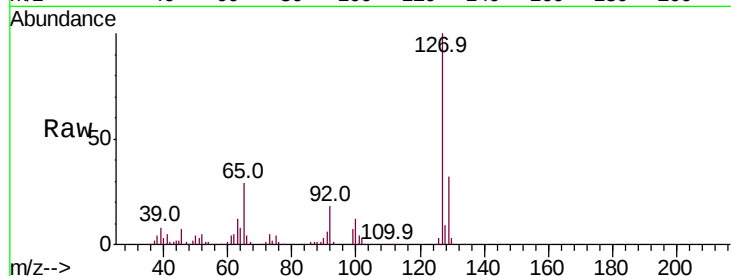




#33  
4-Chloroaniline  
Concen: 25.687 ng  
RT: 11.08 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.0  | 27.1  | 40.7  |
| 65      | 28.8  | 26.6  | 39.8  |
| 92      | 18.1  | 16.4  | 24.6  |



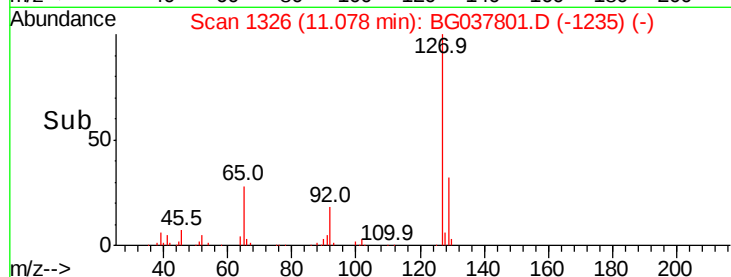
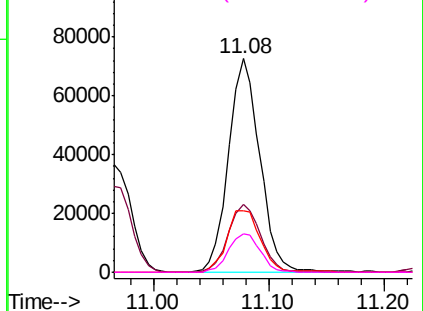
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

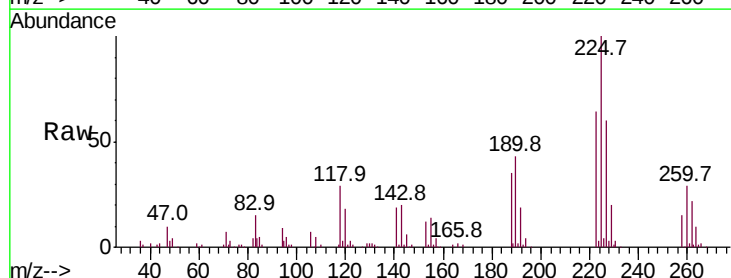
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34  
Hexachlorobutadiene  
Concen: 40.891 ng  
RT: 11.23 min Scan# 1352  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.2  | 48.2  | 72.4  |
| 227     | 60.1  | 51.6  | 77.4  |

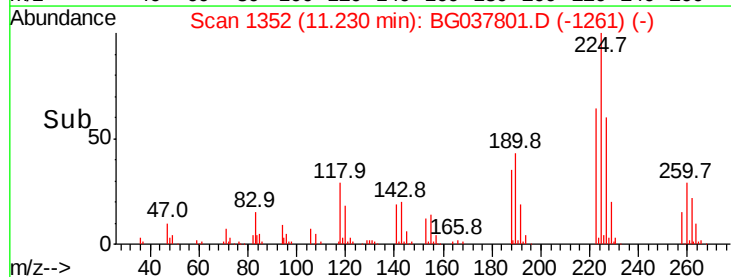
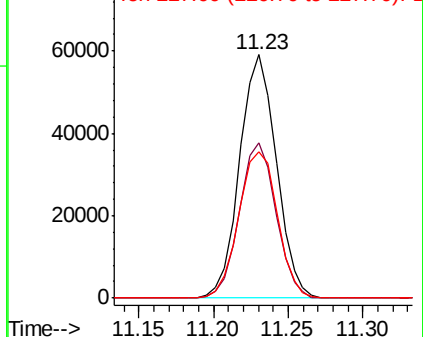


Abundance

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: 37.042 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

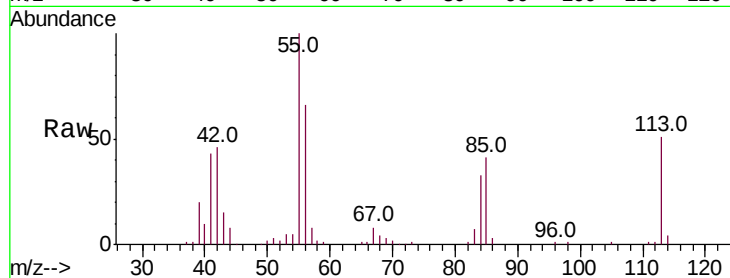
Tot Ion:113 Resp: 56983

Ion Ratio Lower Upper

113 100

55 194.4 176.6 216.6

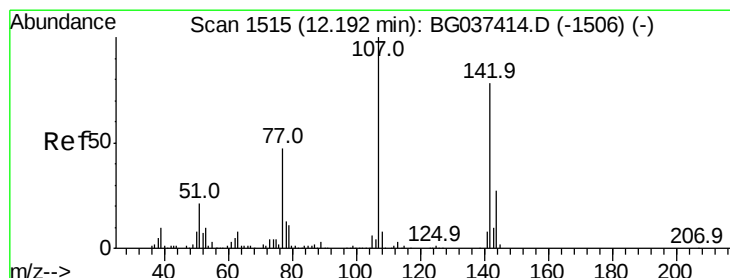
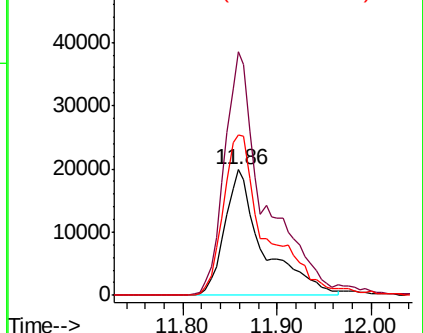
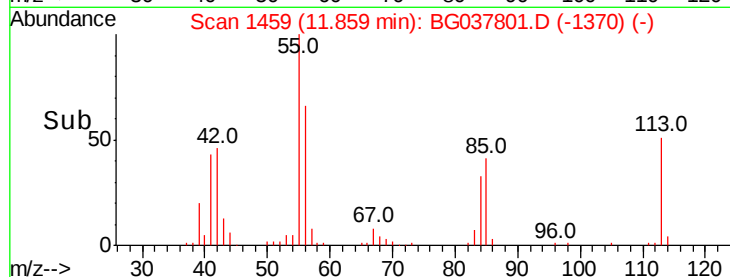
56 128.5 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG037801.D (-1452) (-)

Ion 56.00 (55.70 to 56.70): BG037801.D (-1452) (-)



#36

4-Chloro-3-methylphenol

Concen: 41.826 ng

RT: 12.18 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

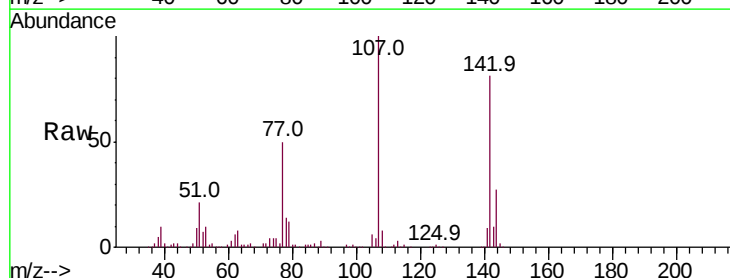
Tgt Ion:107 Resp: 180926

Ion Ratio Lower Upper

107 100

144 26.9 20.7 31.1

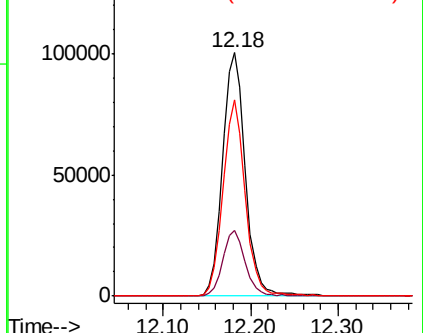
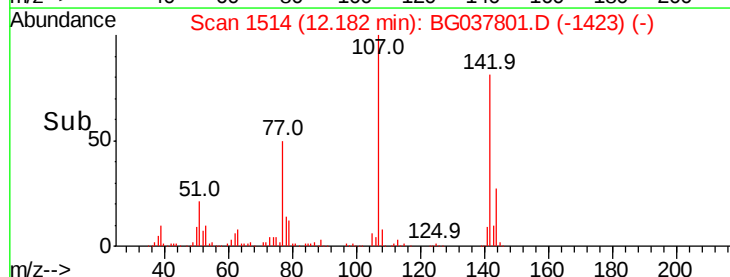
142 80.6 64.4 96.6

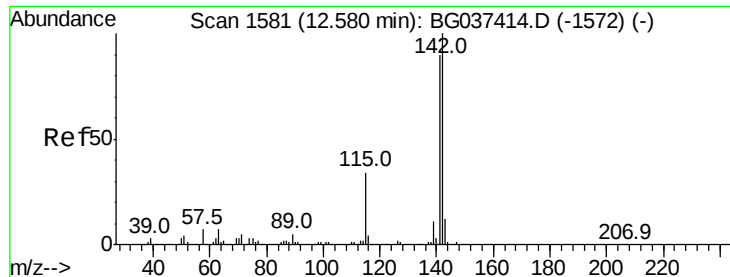


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.237 ng

RT: 12.56 min Scan# 1579

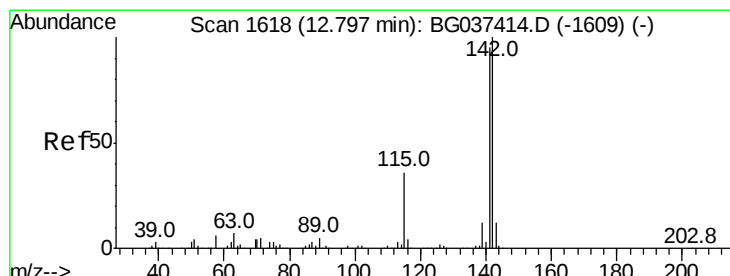
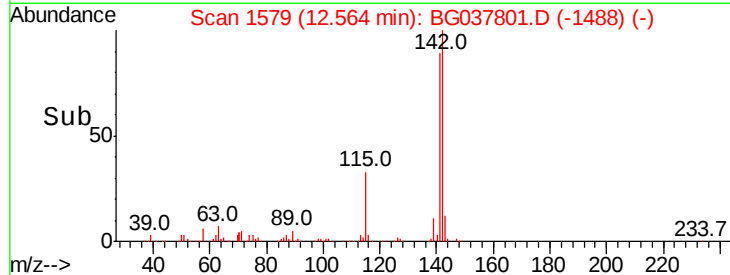
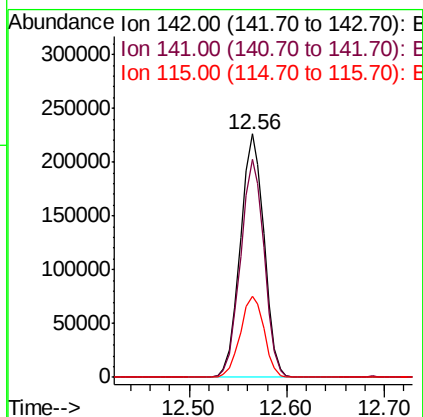
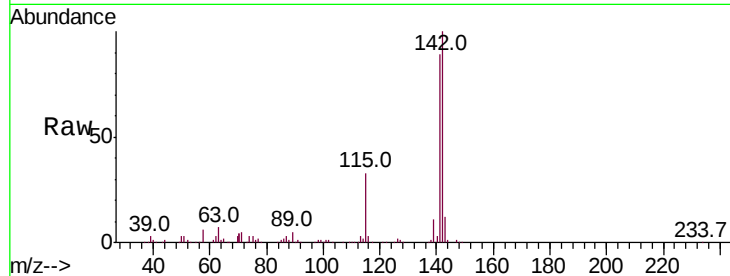
Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 71.9  | 107.9 |
| 115     | 33.2  | 27.8  | 41.8  |



#38

1-Methylnaphthalene

Concen: 44.845 ng

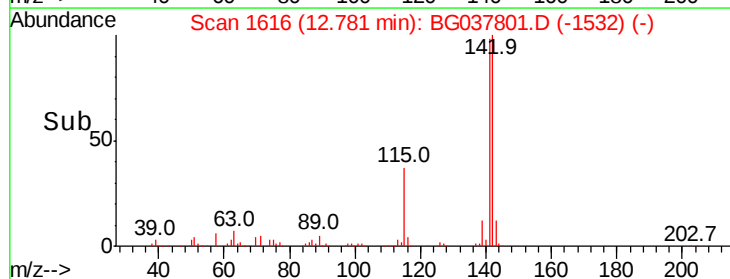
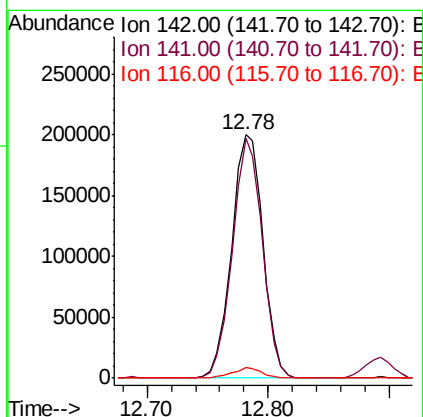
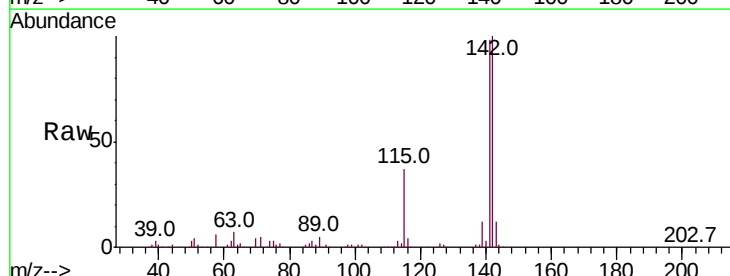
RT: 12.78 min Scan# 1616

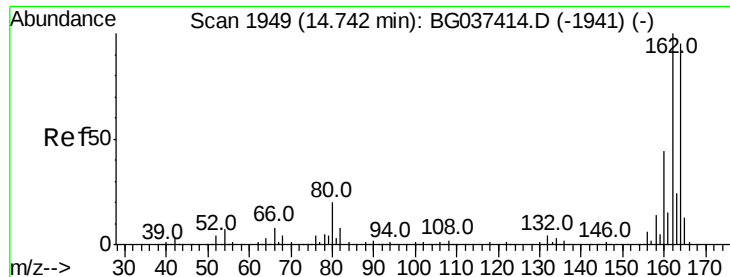
Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 98.2  | 75.2  | 112.8 |
| 116     | 4.2   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampled :

PB114440BS

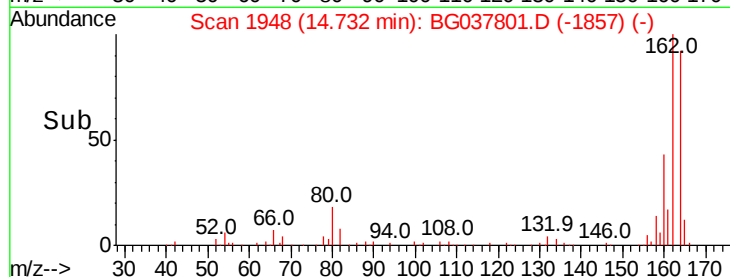
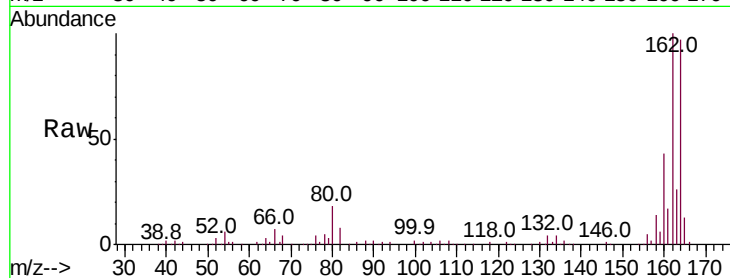
Tot Ion:164 Resp: 151422

Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

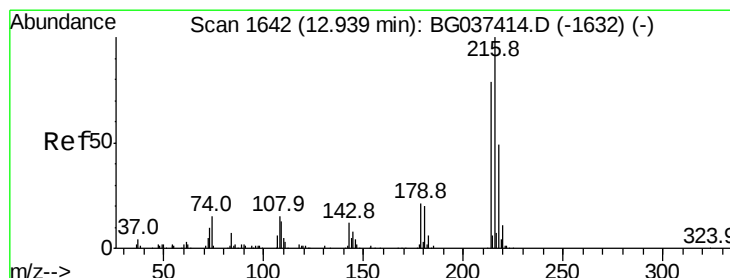
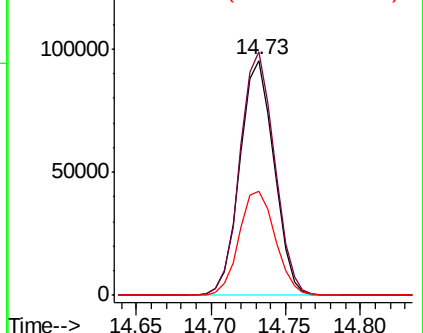
160 44.3 36.3 54.5



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: 41.372 ng

RT: 12.92 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Tgt Ion:216 Resp: 202067

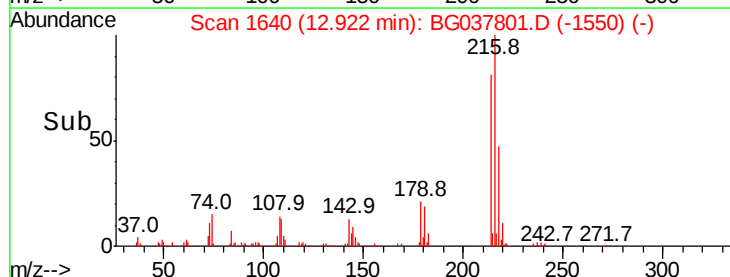
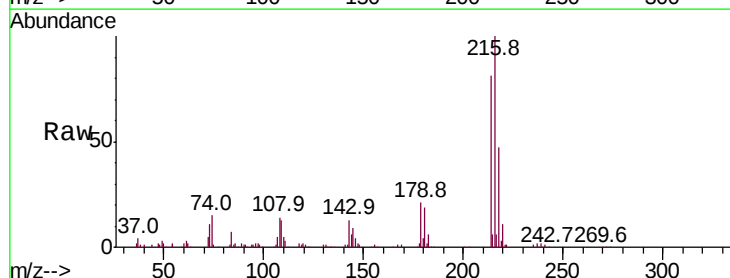
Ion Ratio Lower Upper

216 100

214 80.2 63.8 95.6

179 20.7 17.4 26.0

108 18.5 13.9 20.9

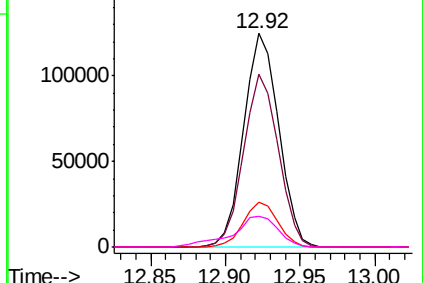


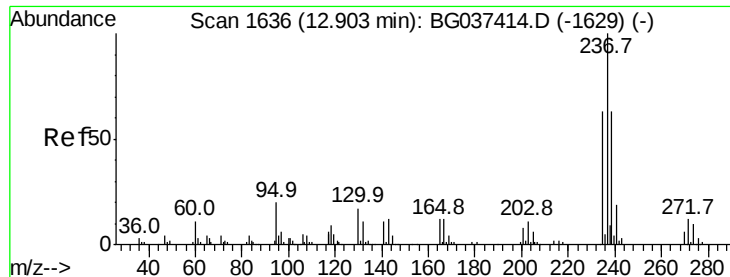
Abundance Ion 216.00 (215.70 to 216.70): E

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: 106.819 ng

RT: 12.89 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

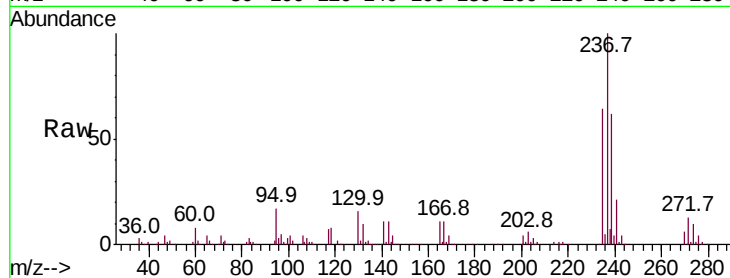
Tot Ion:237 Resp: 249213

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 64.4  | 42.5  | 82.5  |
| 272 | 12.9  | 0.0   | 31.6  |

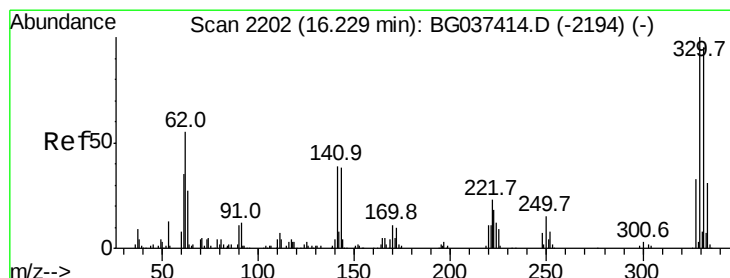
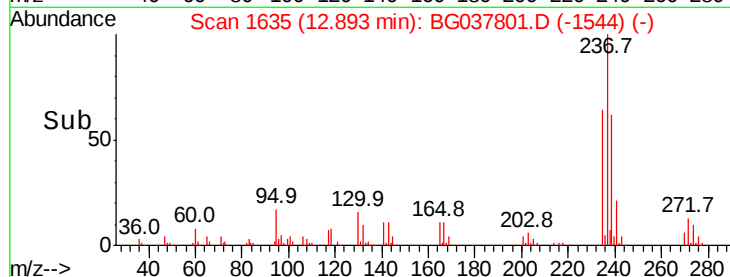
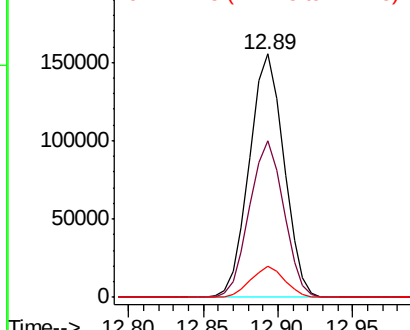
237 100

235 64.4 42.5 82.5

272 12.9 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: 157.397 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

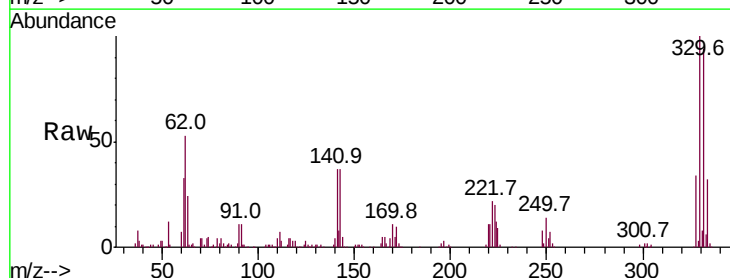
Tgt Ion:330 Resp: 259948

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.8  | 78.4  | 117.6 |
| 141 | 38.4  | 32.2  | 48.2  |

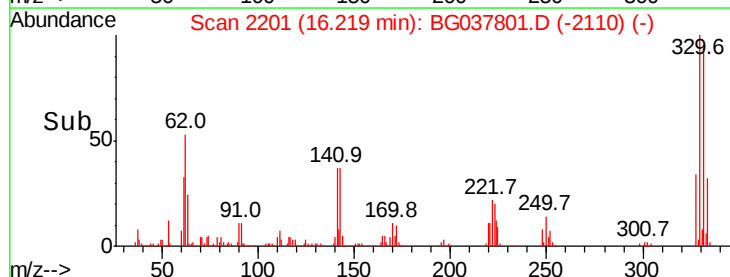
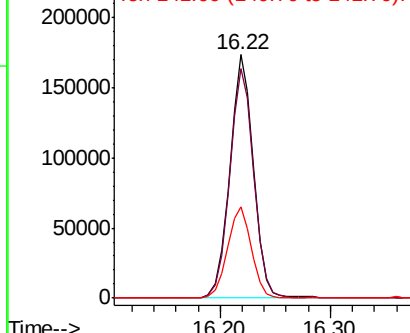
330 100

332 95.8 78.4 117.6

141 38.4 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: 44.277 ng

RT: 13.16 min Scan# 1681

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

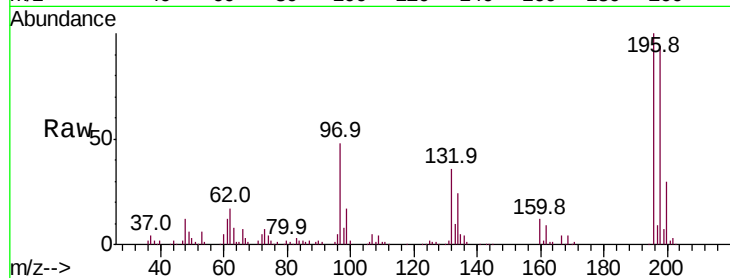
Tot Ion:196 Resp: 144478

Ion Ratio Lower Upper

196 100

198 93.9 76.4 114.6

200 30.2 24.9 37.3

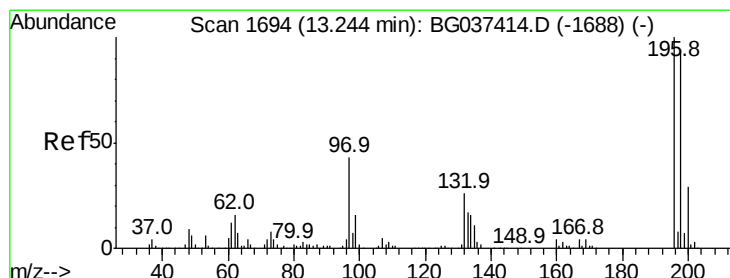
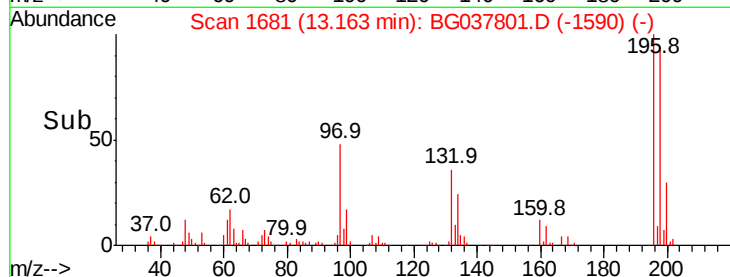
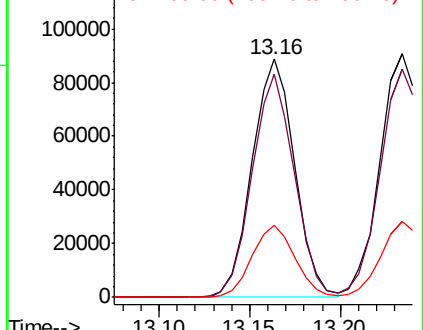


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 43.419 ng

RT: 13.23 min Scan# 1693

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Tgt Ion:196 Resp: 154253

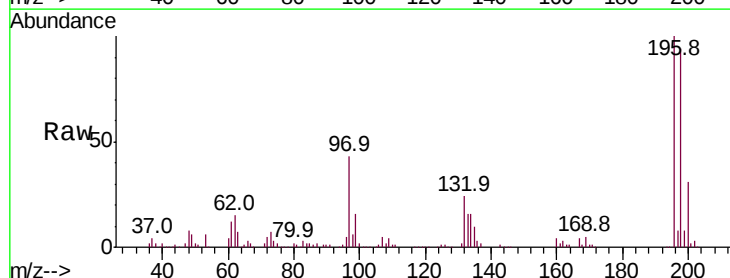
Ion Ratio Lower Upper

196 100

198 93.8 74.2 111.2

97 43.3 34.1 51.1

132 24.2 20.2 30.4



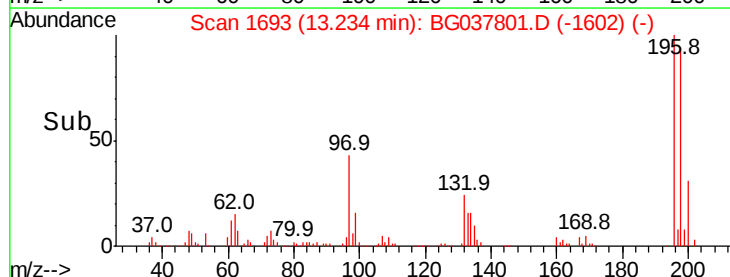
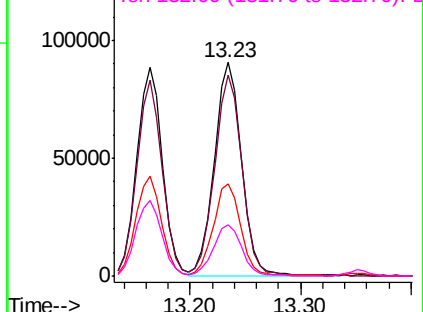
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

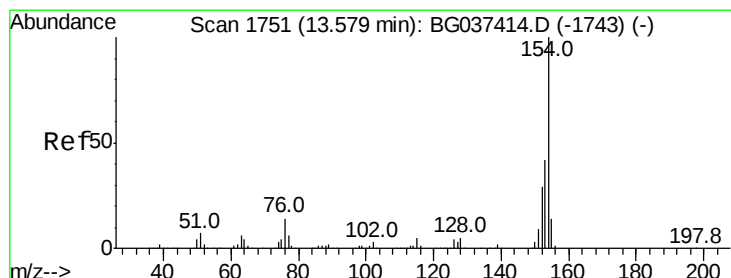
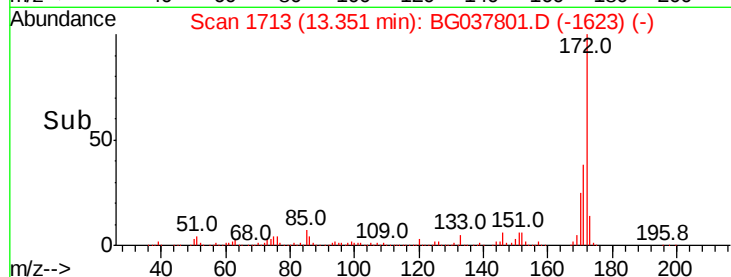
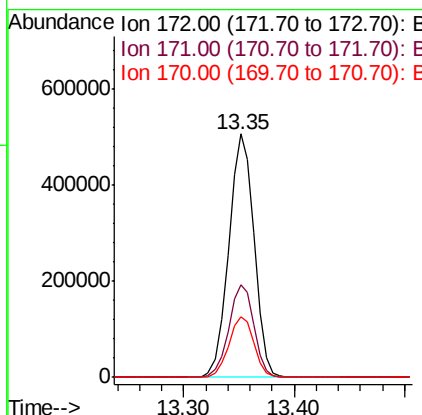
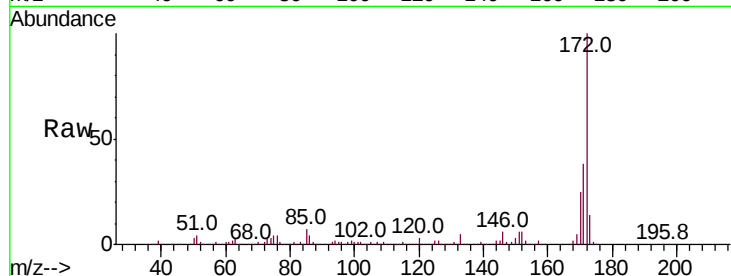




#45  
2-Fluorobiphenyl  
Concen: 80.775 ng  
RT: 13.35 min Scan# 1713  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

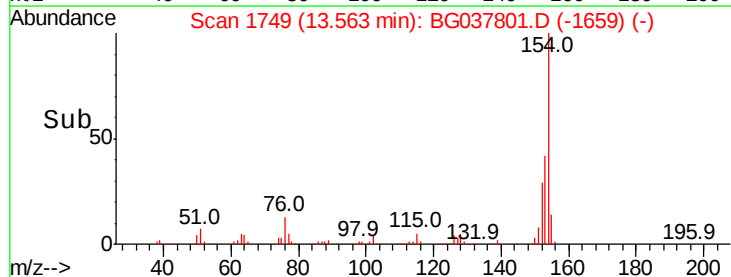
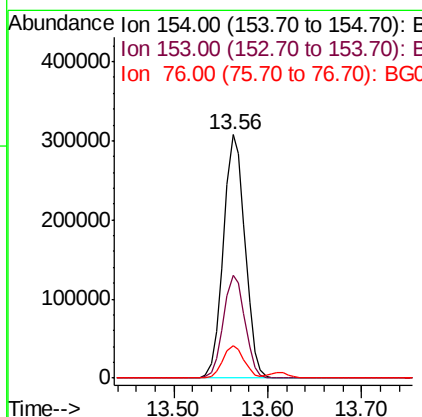
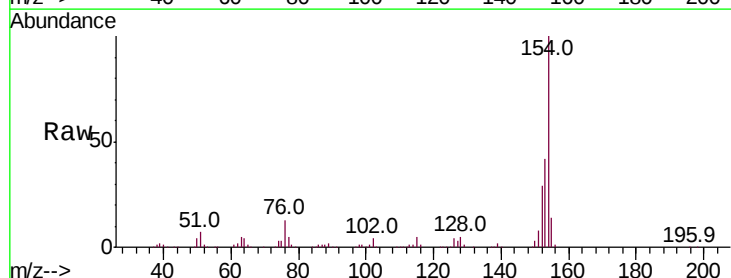
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

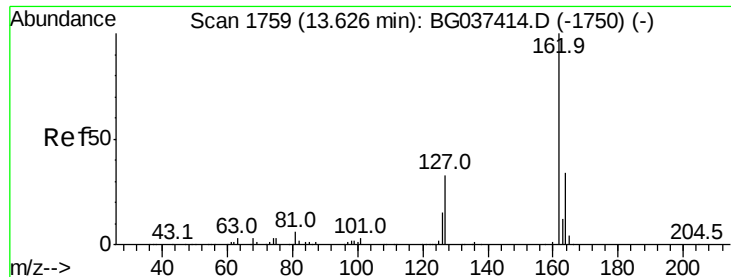
Tot Ion:172 Resp: 811115  
Ion Ratio Lower Upper  
172 100  
171 38.1 31.0 46.4  
170 25.1 20.2 30.2



#46  
1,1'-Biphenyl  
Concen: 39.258 ng  
RT: 13.56 min Scan# 1749  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion:154 Resp: 492311  
Ion Ratio Lower Upper  
154 100  
153 42.0 22.1 62.1  
76 13.4 0.0 33.2

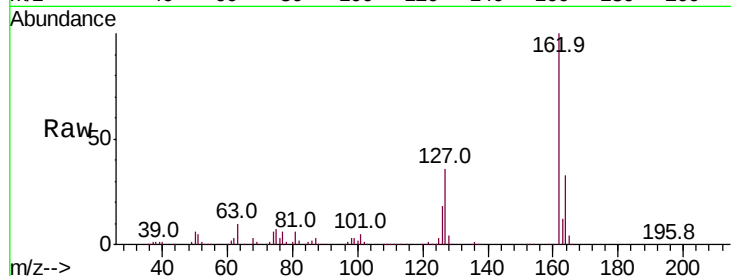




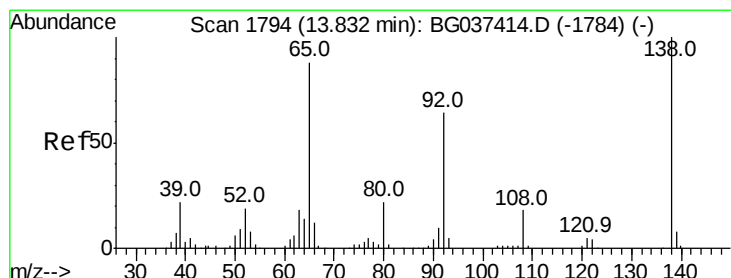
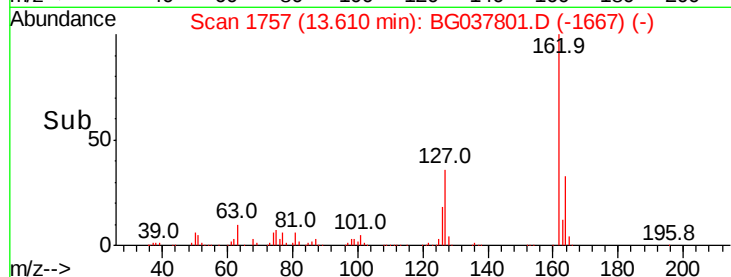
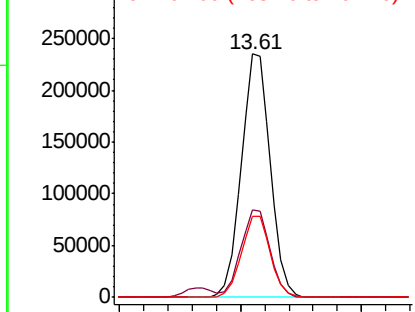
#47  
2-Chloronaphthalene  
Concen: 41.437 ng  
RT: 13.61 min Scan# 1757  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 36.1  | 30.5  | 45.7  |
| 164     | 33.3  | 26.4  | 39.6  |

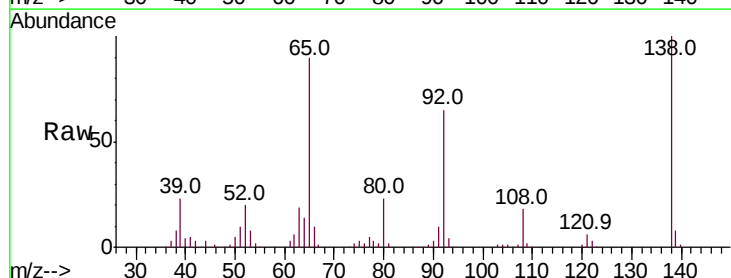


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E

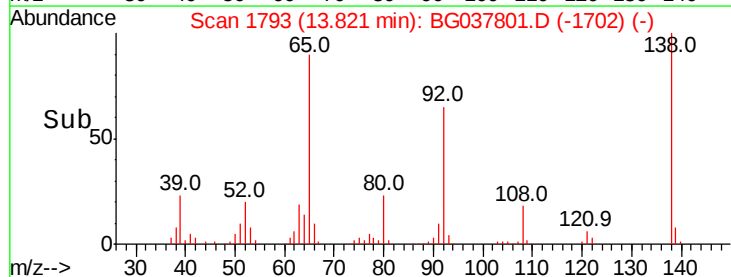
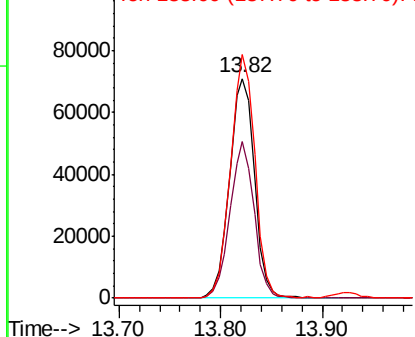


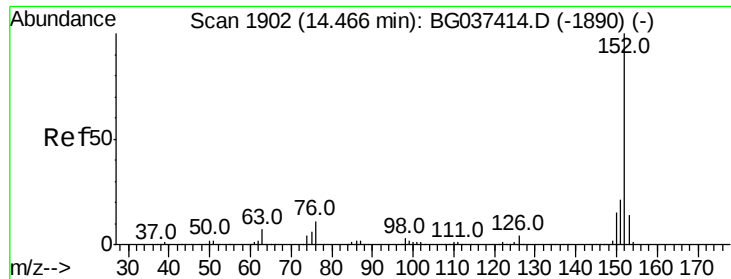
#48  
2-Nitroaniline  
Concen: 42.045 ng  
RT: 13.82 min Scan# 1793  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 71.7  | 53.2  | 79.8  |
| 138     | 111.0 | 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: 45.137 ng

RT: 14.46 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

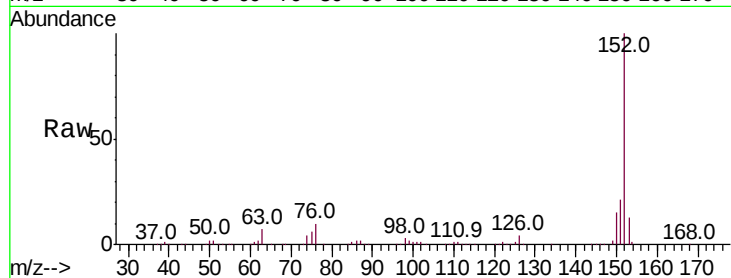
Tot Ion:152 Resp: 644181

Ion Ratio Lower Upper

152 100

151 21.5 17.1 25.7

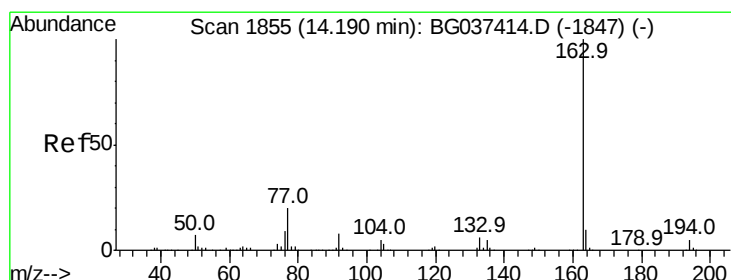
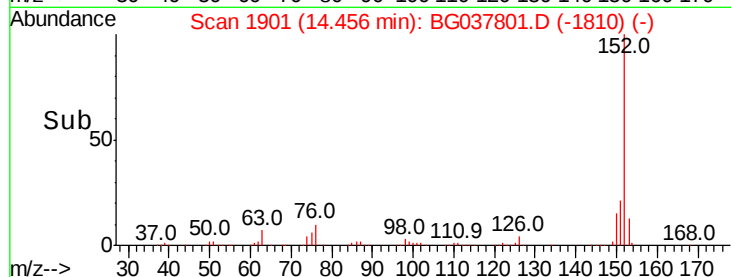
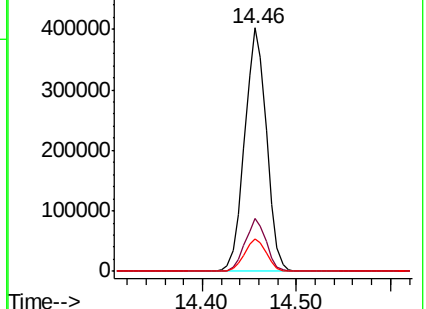
153 13.4 11.1 16.7



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: 41.230 ng

RT: 14.18 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

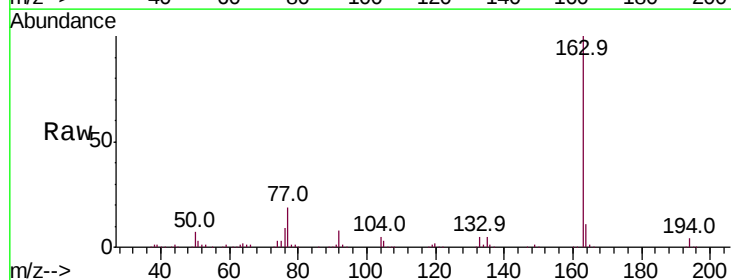
Tgt Ion:163 Resp: 482981

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

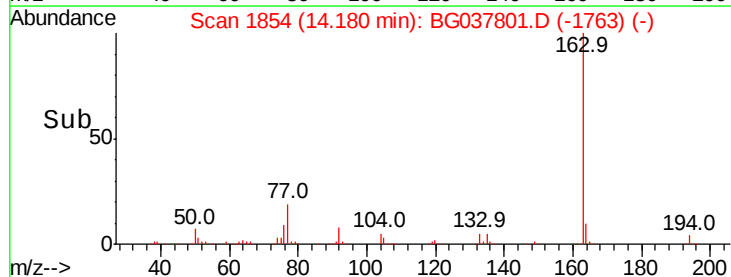
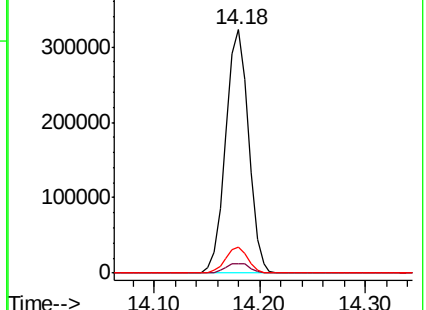
164 10.8 8.5 12.7

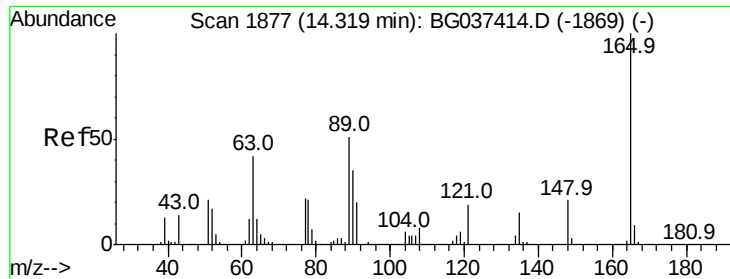


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

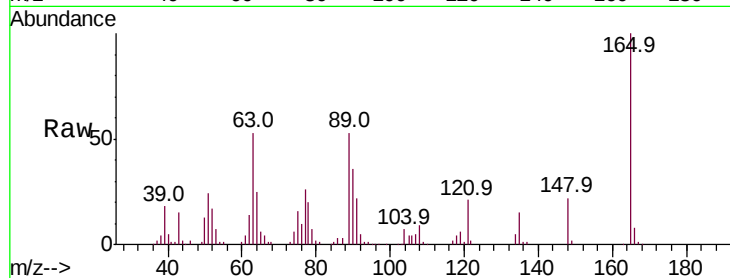




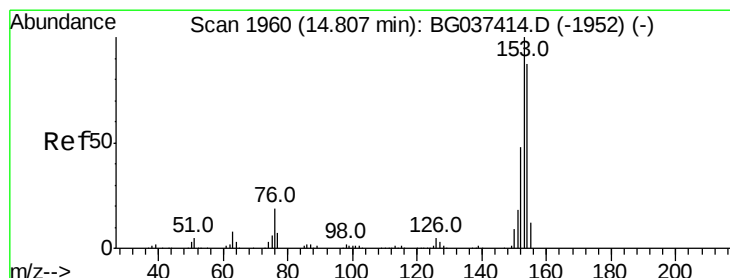
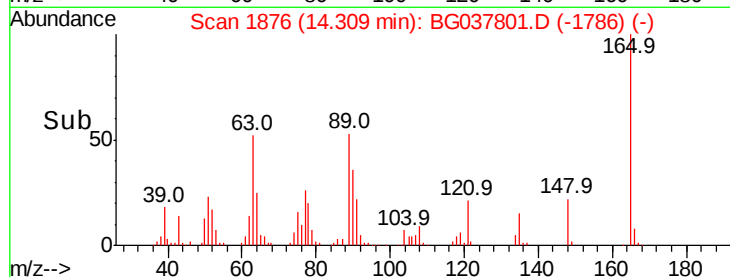
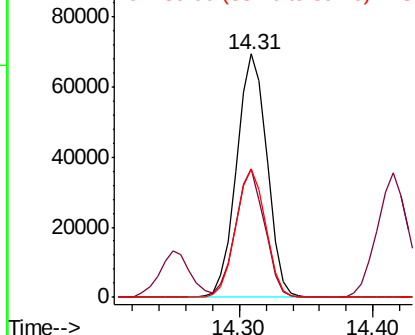
#51  
 2,6-Dinitrotoluene  
 Concen: 42.236 ng  
 RT: 14.31 min Scan# 1876  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

Tot Ion:165 Resp: 109453  
 Ion Ratio Lower Upper  
 165 100  
 63 52.6 43.4 65.2  
 89 52.9 45.8 68.6

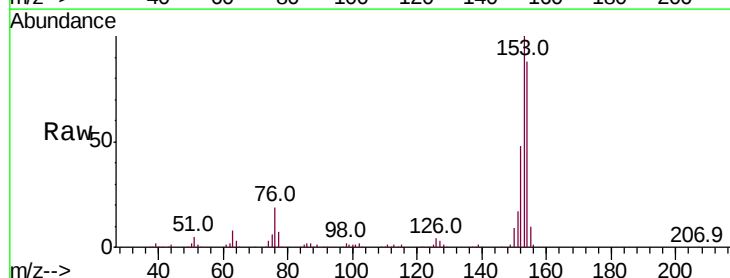


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG

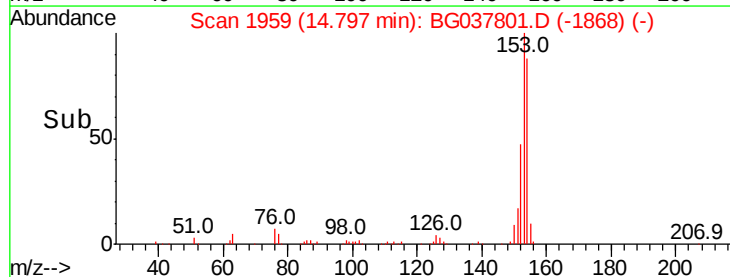
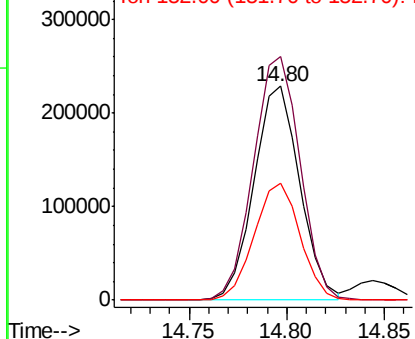


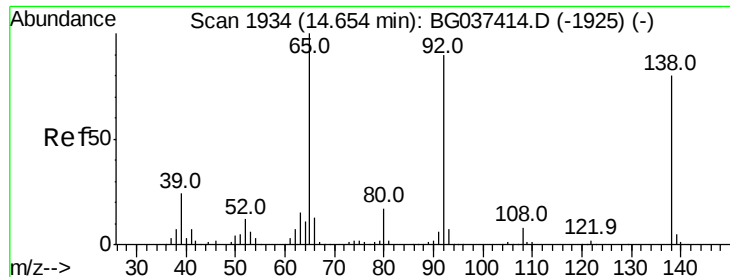
#52  
 Acenaphthene  
 Concen: 42.317 ng  
 RT: 14.80 min Scan# 1959  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:154 Resp: 371943  
 Ion Ratio Lower Upper  
 154 100  
 153 113.9 93.4 140.0  
 152 54.4 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: 33.767 ng

RT: 14.64 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

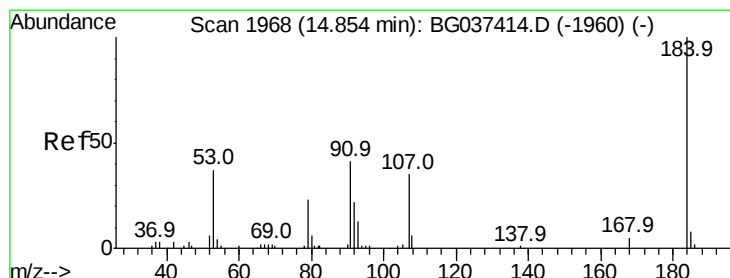
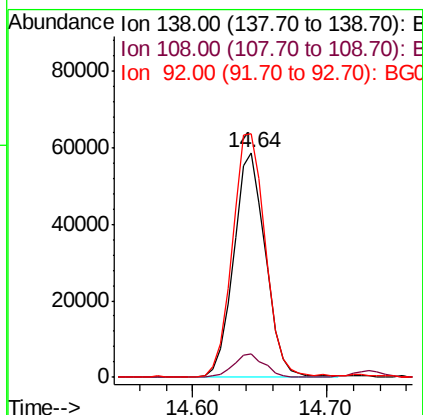
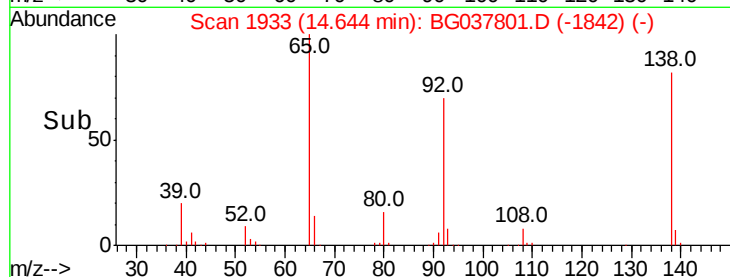
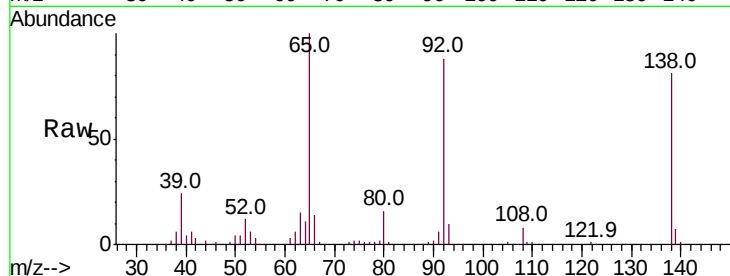
Tot Ion:138 Resp: 97144

Ion Ratio Lower Upper

138 100

108 10.3 11.0 16.6#

92 108.4 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 66.247 ng

RT: 14.84 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

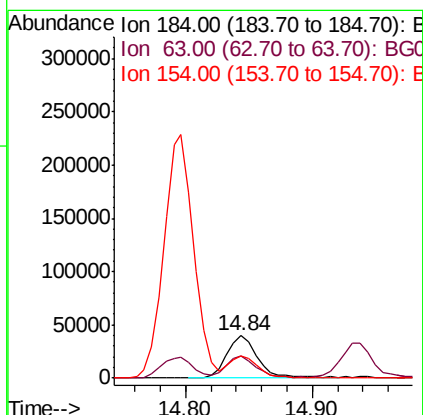
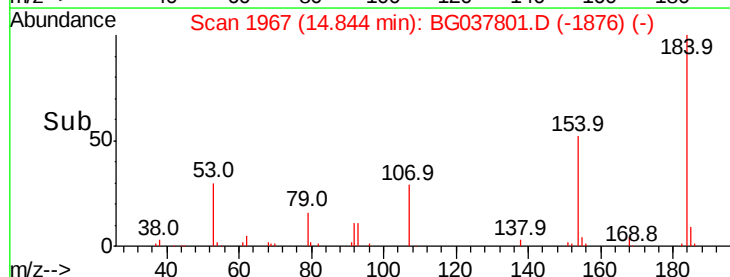
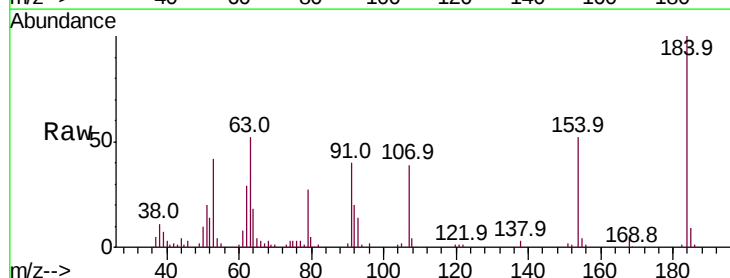
Tgt Ion:184 Resp: 67452

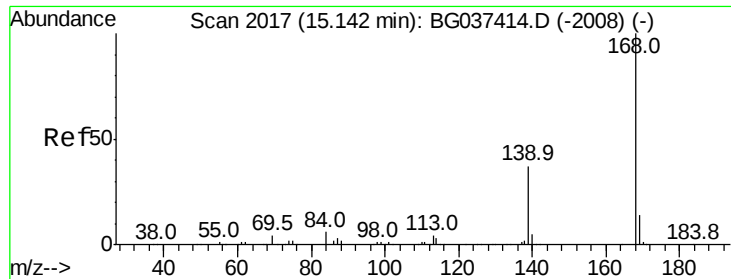
Ion Ratio Lower Upper

184 100

63 52.5 42.6 63.8

154 52.1 41.8 62.6





#55

Dibenzofuran

Concen: 41.315 ng

RT: 15.13 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

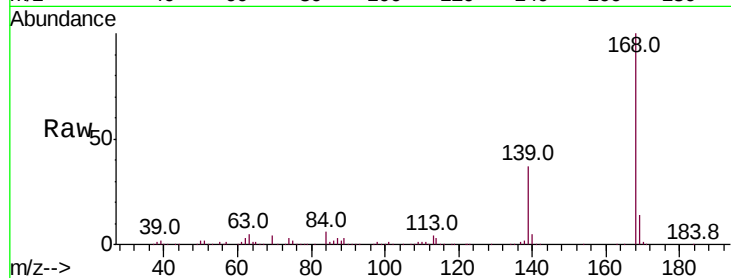
Tot Ion:168 Resp: 601644

Ion Ratio Lower Upper

168 100

139 36.8 29.4 44.0

169 14.3 11.0 16.6

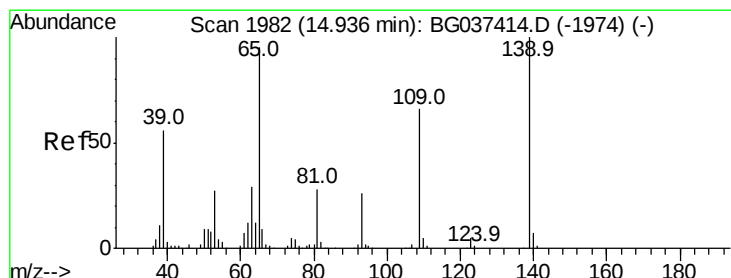
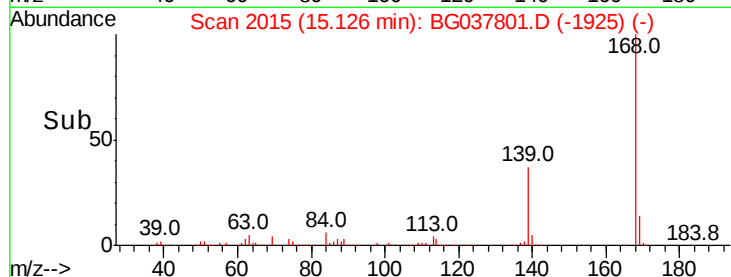
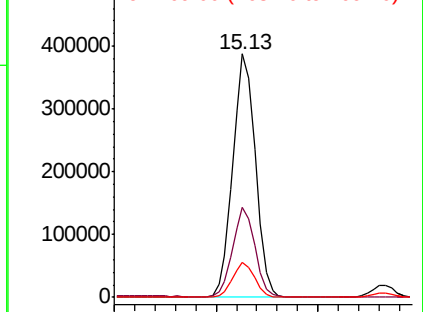


Abundance

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: 102.445 ng

RT: 14.94 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

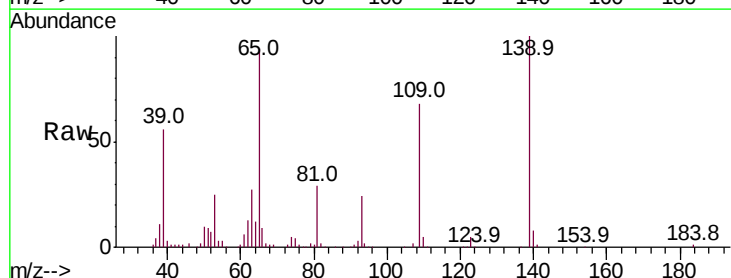
Tgt Ion:139 Resp: 218151

Ion Ratio Lower Upper

139 100

109 68.4 49.5 89.5

65 94.4 76.8 116.8

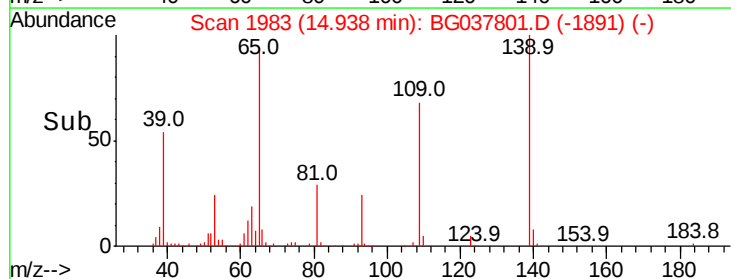
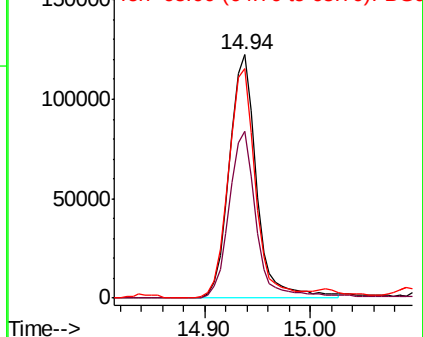


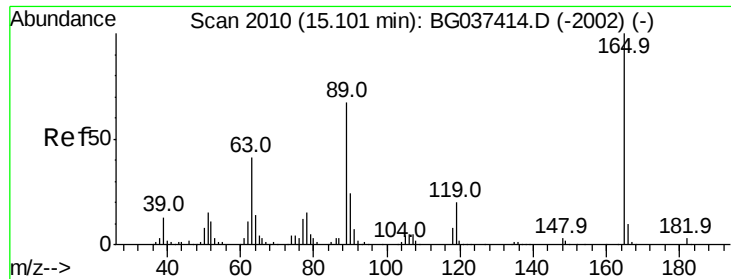
Abundance

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): E

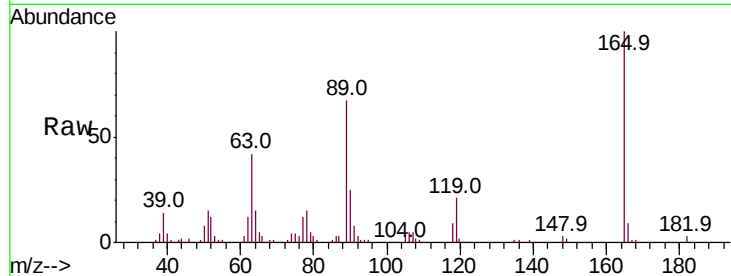




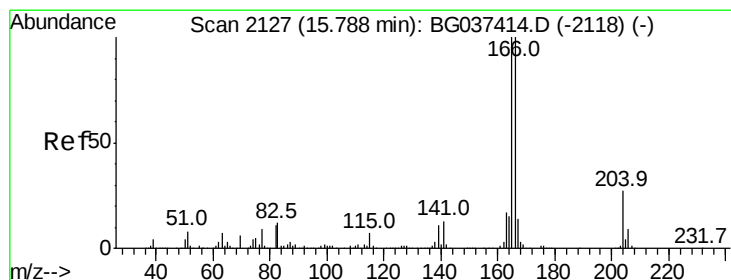
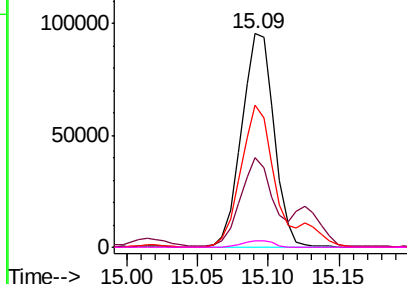
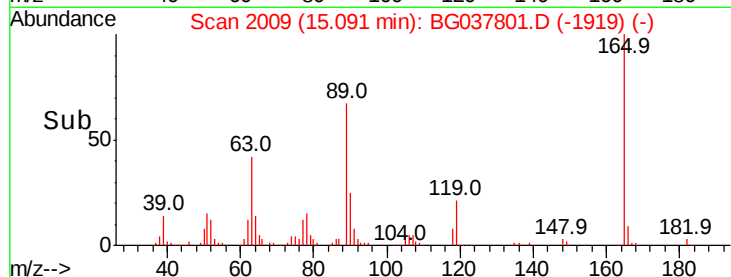
#57  
 2,4-Dinitrotoluene  
 Concen: 45.218 ng  
 RT: 15.09 min Scan# 2009  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

Tot Ion:165 Resp: 153818  
 Ion Ratio Lower Upper  
 165 100  
 63 42.0 33.4 50.0  
 89 66.7 57.2 85.8  
 182 3.1 2.6 4.0

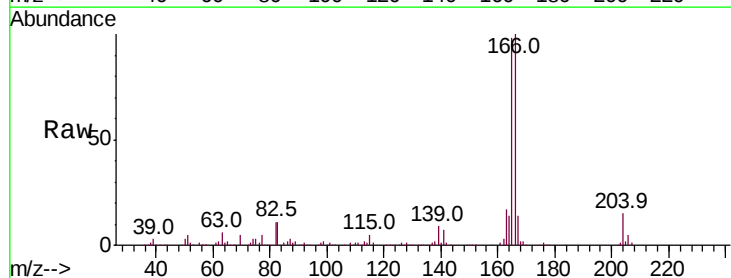


Abundance Ion 165.00 (164.70 to 165.70): E  
 150000  
 Ion 63.00 (62.70 to 63.70): BG  
 Ion 89.00 (88.70 to 89.70): BG  
 Ion 182.00 (181.70 to 182.70): E

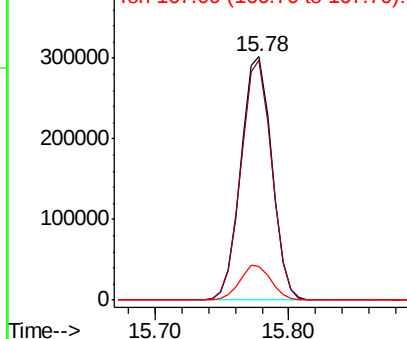
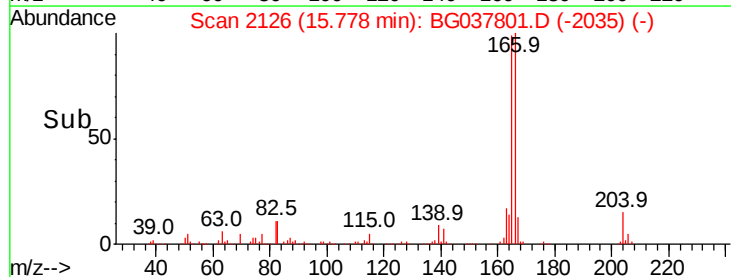


#58  
 Fluorene  
 Concen: 44.165 ng  
 RT: 15.78 min Scan# 2126  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:166 Resp: 481623  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 79.0 118.6  
 167 13.8 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E  
 400000  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

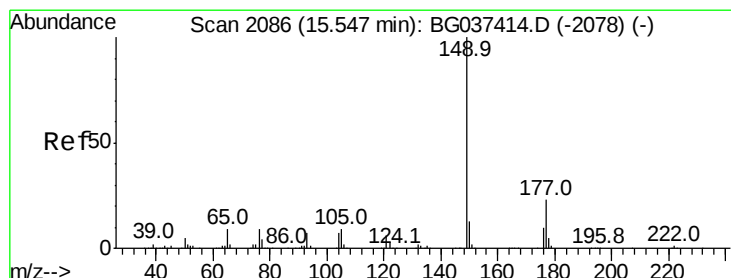
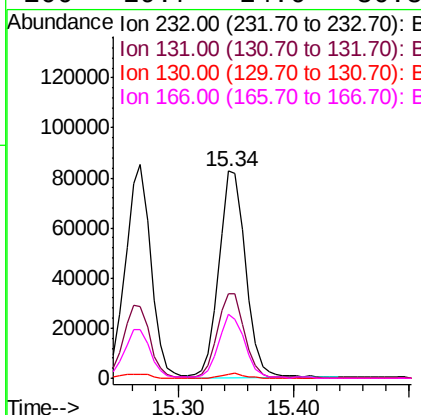
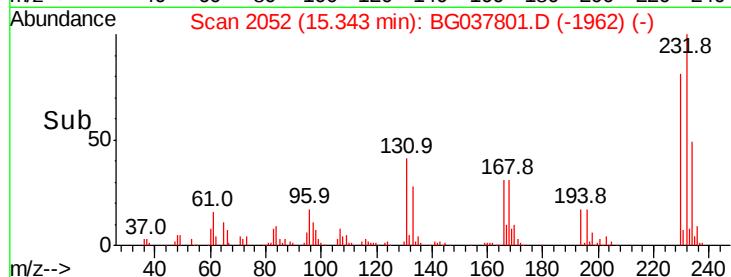
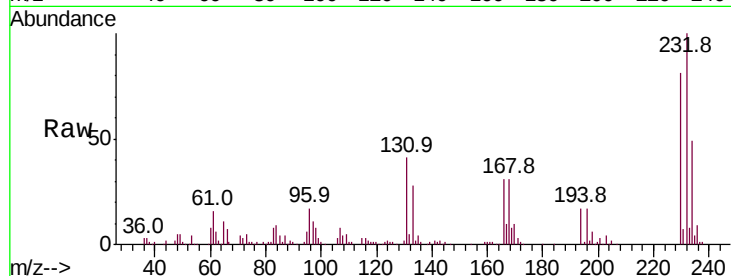




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 43.739 ng  
 RT: 15.34 min Scan# 2052  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

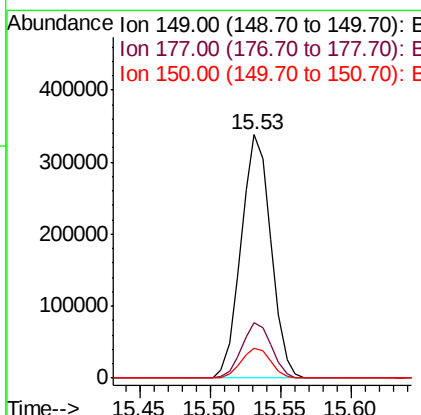
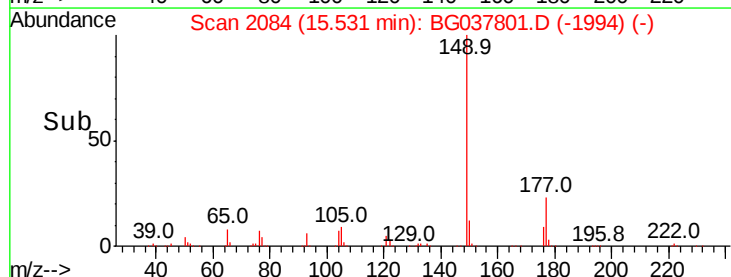
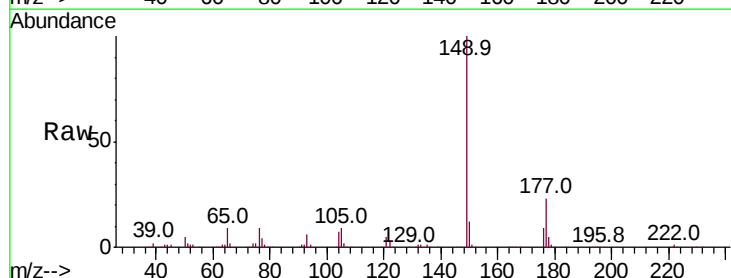
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

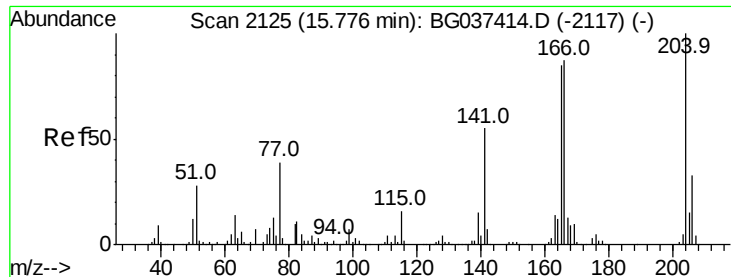
Tot Ion:232 Resp: 133046  
 Ion Ratio Lower Upper  
 232 100  
 131 41.2 33.7 50.5  
 130 2.1 2.1 3.1  
 166 29.7 24.6 36.8



#60  
 Diethylphthalate  
 Concen: 41.545 ng  
 RT: 15.53 min Scan# 2084  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:149 Resp: 499645  
 Ion Ratio Lower Upper  
 149 100  
 177 23.0 18.3 27.5  
 150 12.4 10.0 15.0

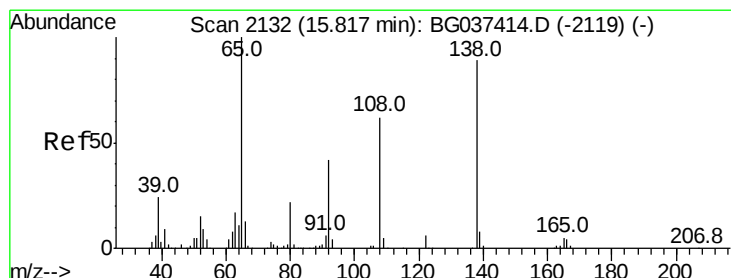
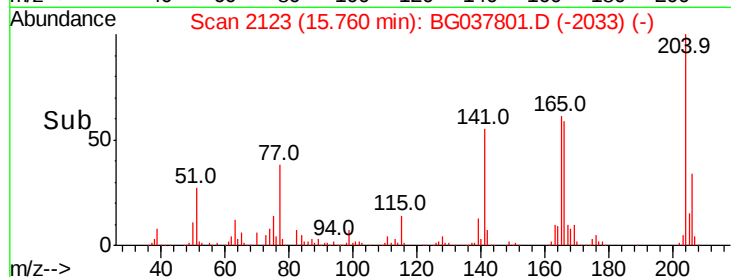
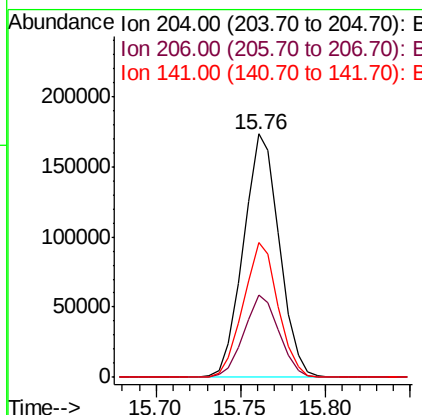
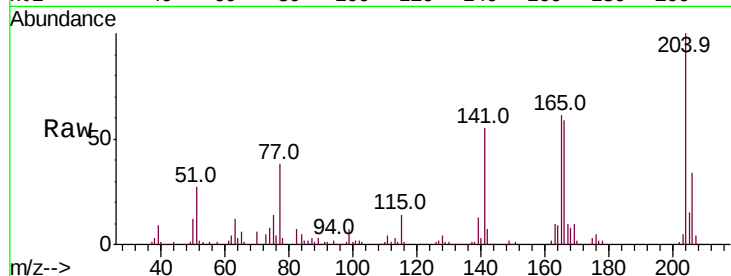




#61  
 4-Chlorophenyl-phenylether  
 Concen: 40.300 ng  
 RT: 15.76 min Scan# 2123  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

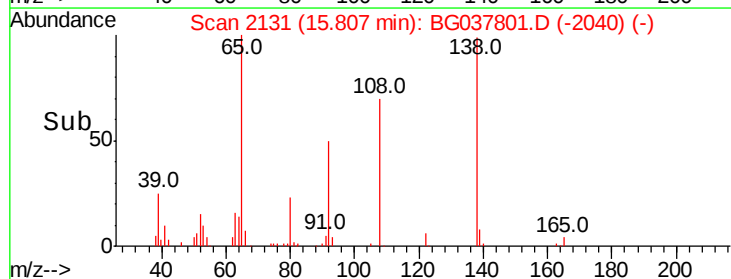
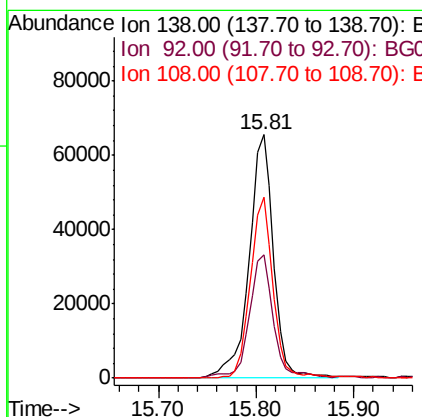
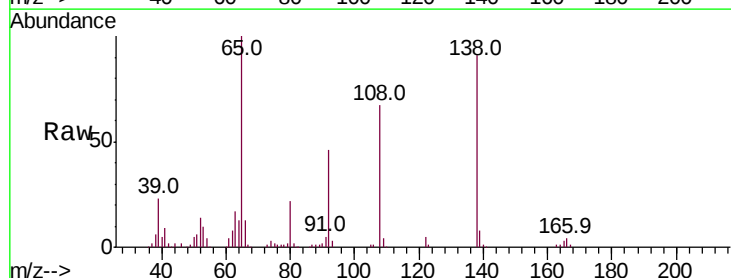
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

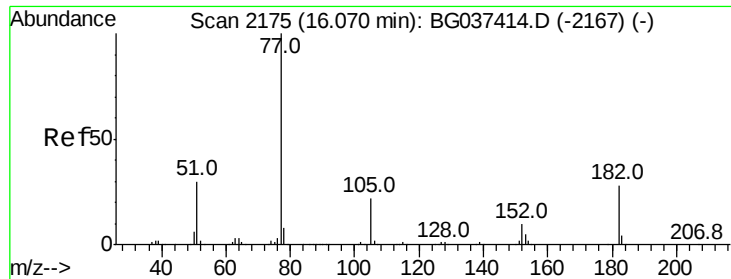
Tot Ion:204 Resp: 256152  
 Ion Ratio Lower Upper  
 204 100  
 206 33.9 26.6 39.8  
 141 55.4 45.4 68.2



#62  
 4-Nitroaniline  
 Concen: 40.502 ng  
 RT: 15.81 min Scan# 2131  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:138 Resp: 115779  
 Ion Ratio Lower Upper  
 138 100  
 92 50.7 36.4 76.4  
 108 74.1 60.1 100.1

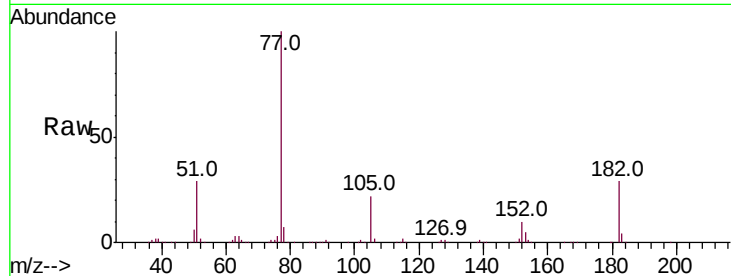




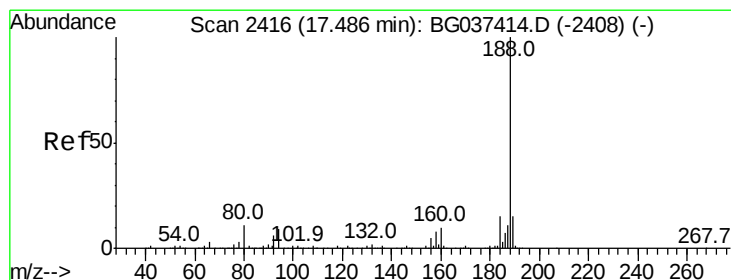
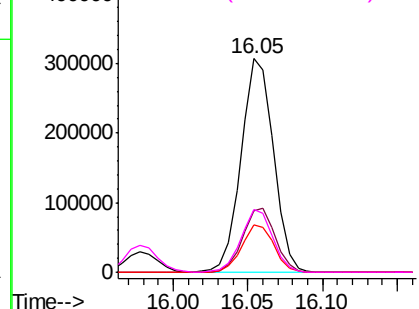
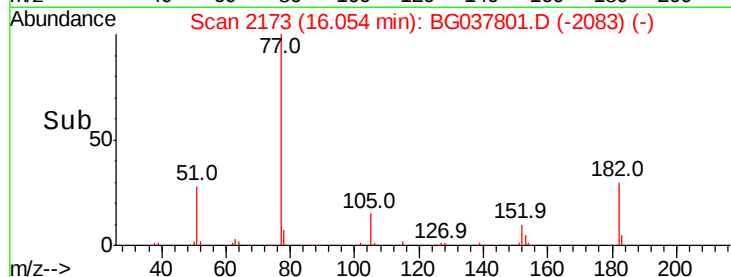
#63  
Azobenzene  
Concen: 40.111 ng  
RT: 16.05 min Scan# 2173  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.6  | 8.0   | 48.0  |
| 105     | 22.0  | 1.3   | 41.3  |
| 51      | 29.3  | 10.7  | 50.7  |

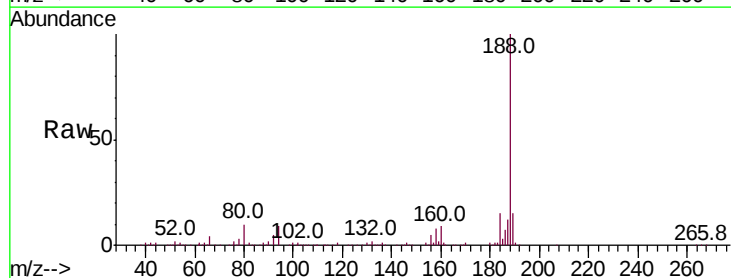


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

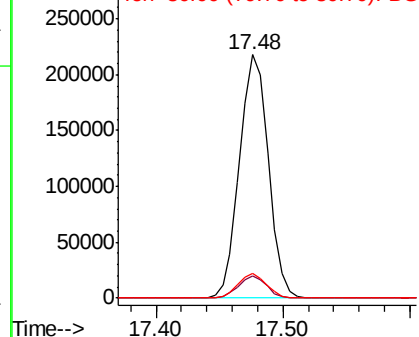
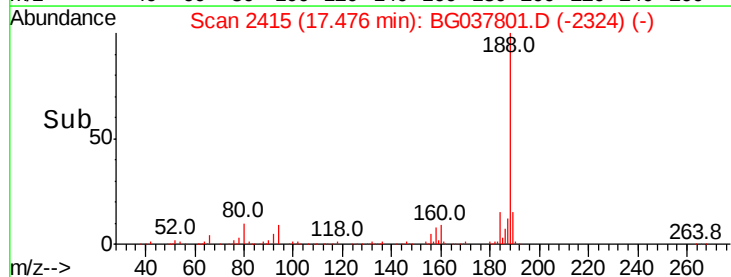


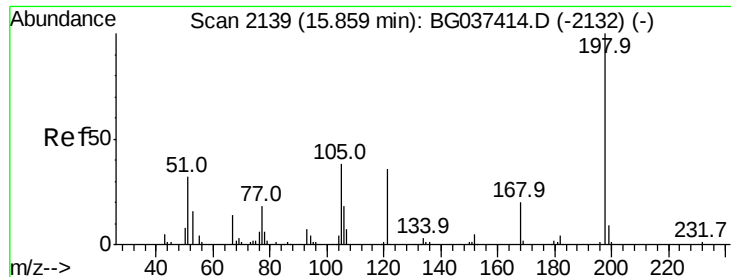
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 7.2   | 10.8  |
| 80      | 10.1  | 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

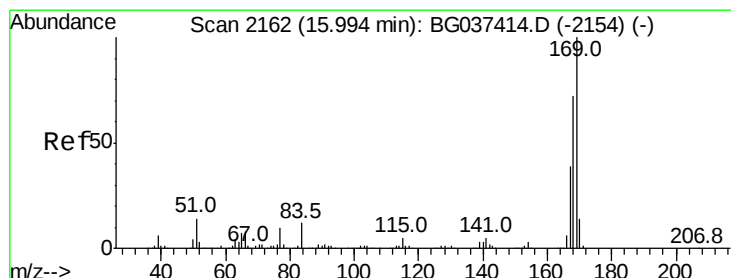
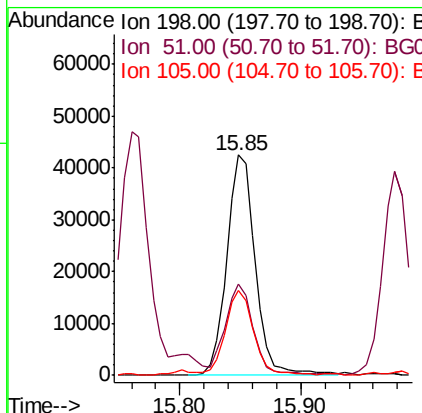
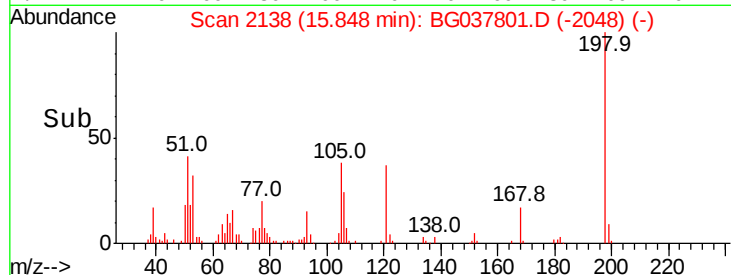
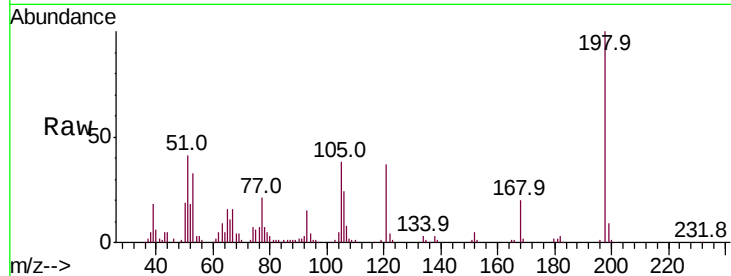




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 40.258 ng  
 RT: 15.85 min Scan# 2138  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

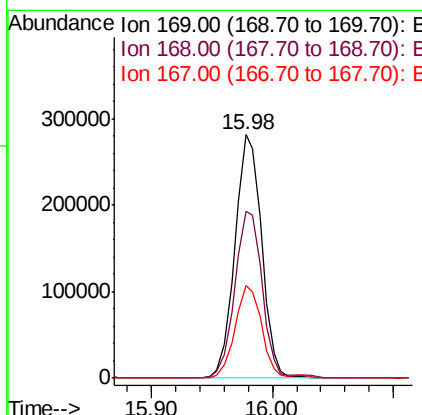
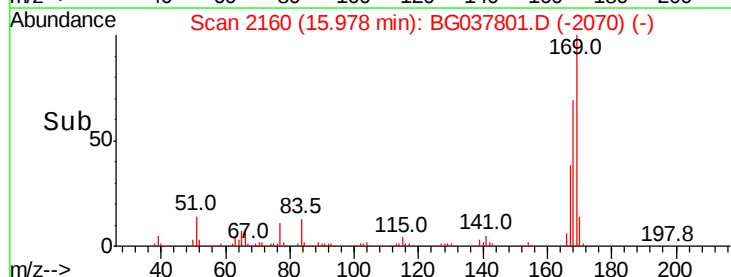
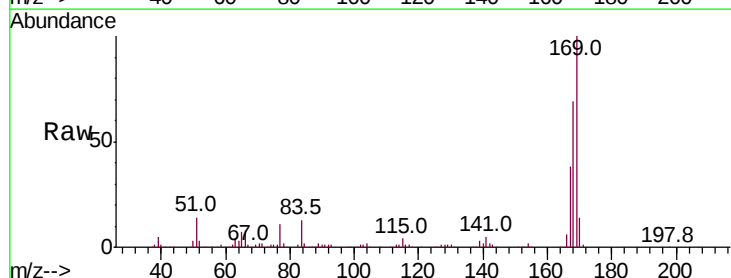
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

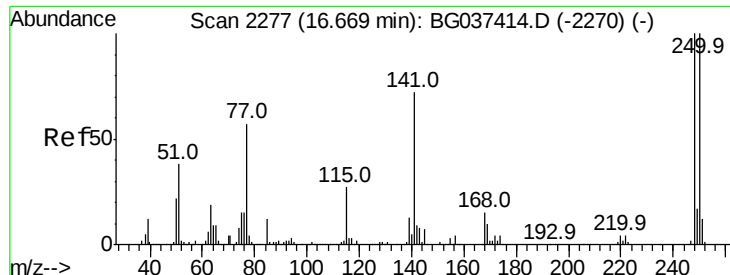
Tot Ion:198 Resp: 69598  
 Ion Ratio Lower Upper  
 198 100  
 51 41.5 22.7 62.7  
 105 38.3 19.7 59.7



#66  
 n-Nitrosodiphenylamine  
 Concen: 41.907 ng  
 RT: 15.98 min Scan# 2160  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Tgt Ion:169 Resp: 433237  
 Ion Ratio Lower Upper  
 169 100  
 168 68.7 55.7 83.5  
 167 38.2 31.3 46.9





#67

4-Bromophenyl-phenylether

Concen: 42.006 ng

RT: 16.66 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

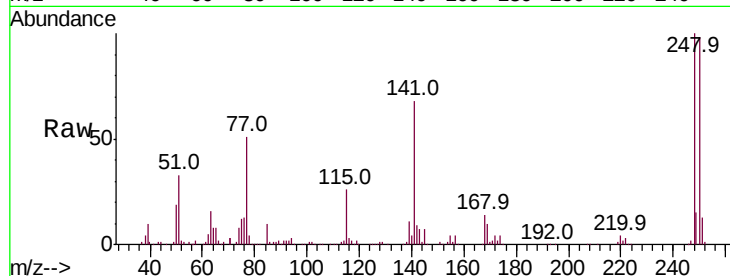
Tot Ion:248 Resp: 158538

Ion Ratio Lower Upper

248 100

250 98.3 77.0 115.6

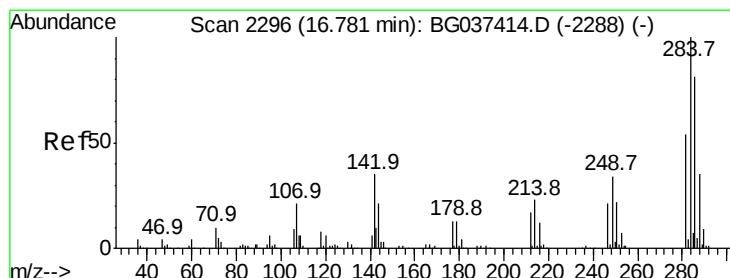
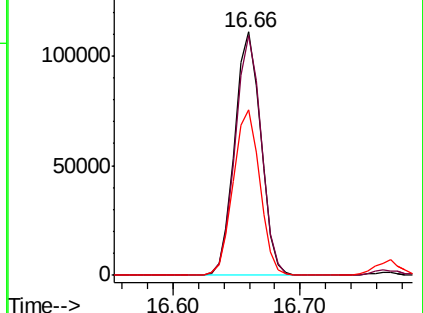
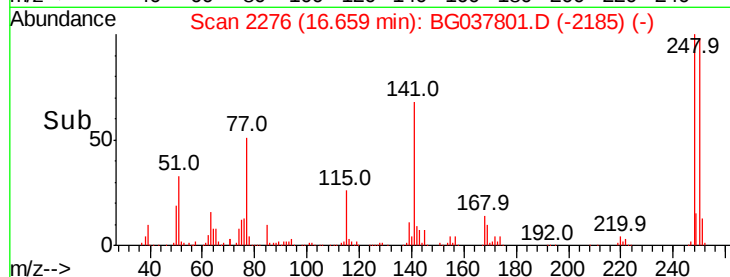
141 68.1 55.5 83.3



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: 40.830 ng

RT: 16.77 min Scan# 2295

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

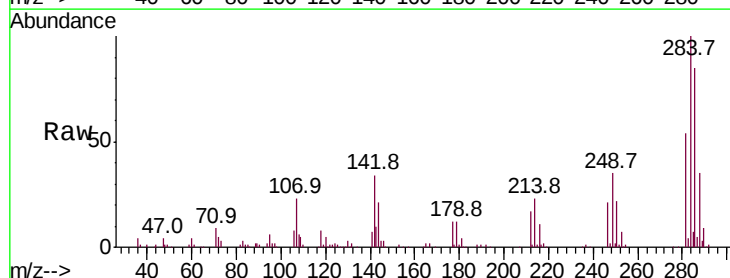
Tgt Ion:284 Resp: 159709

Ion Ratio Lower Upper

284 100

142 34.4 28.1 42.1

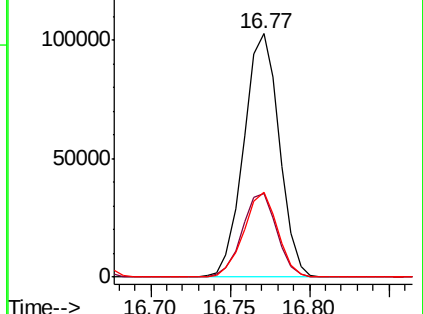
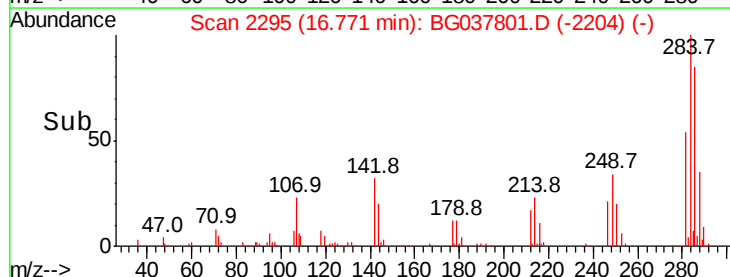
249 36.8 29.8 44.8

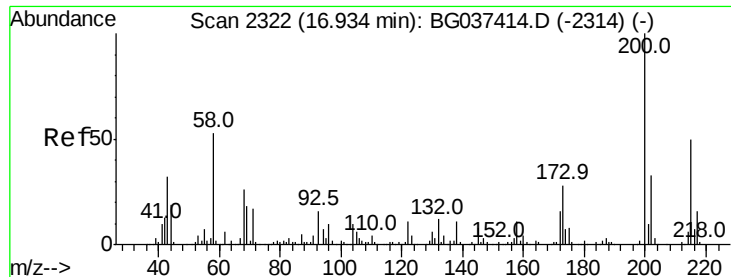


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 42.871 ng

RT: 16.92 min Scan# 2321

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

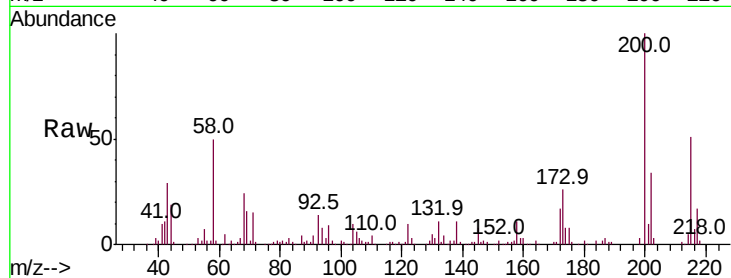
Tot Ion:200 Resp: 160239

Ion Ratio Lower Upper

200 100

173 26.5 6.1 46.1

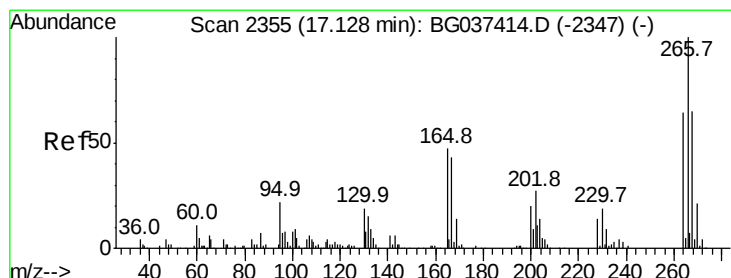
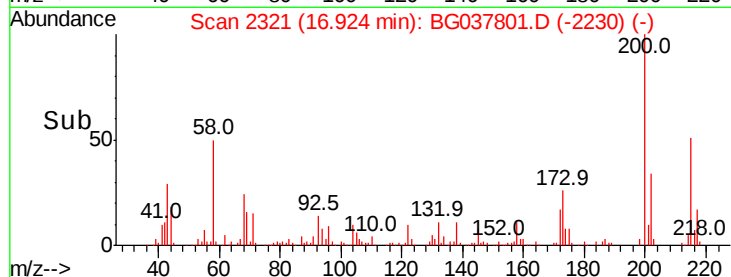
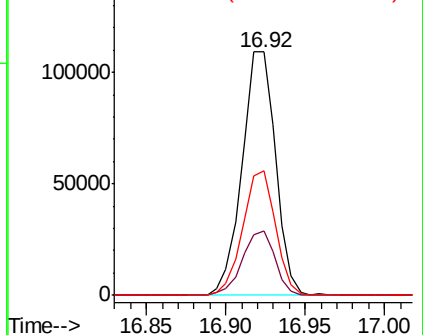
215 50.9 30.8 70.8



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: 65.059 ng

RT: 17.12 min Scan# 2354

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

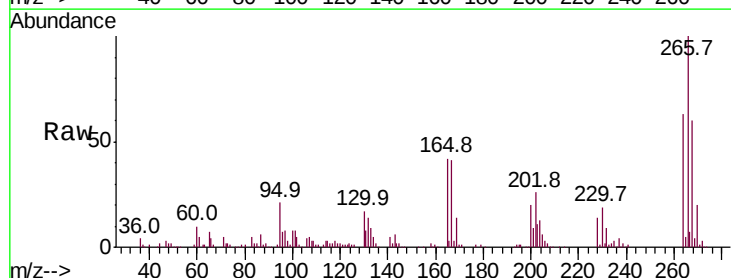
Tgt Ion:266 Resp: 170463

Ion Ratio Lower Upper

266 100

268 64.2 55.0 82.6

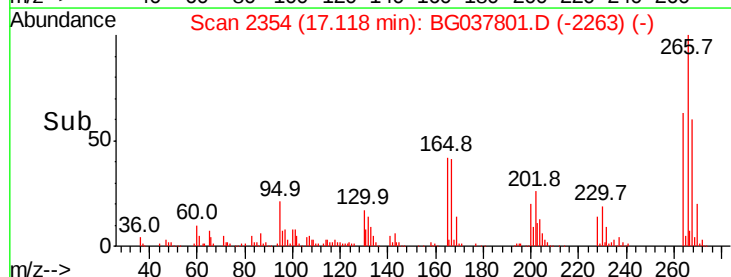
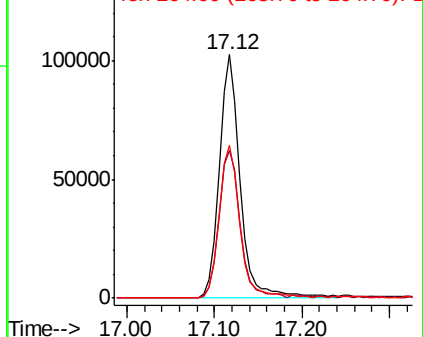
264 67.7 58.9 88.3

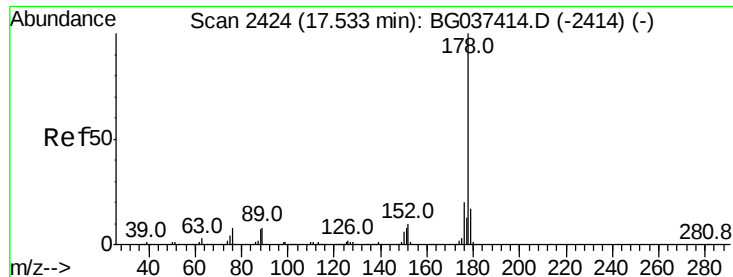


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

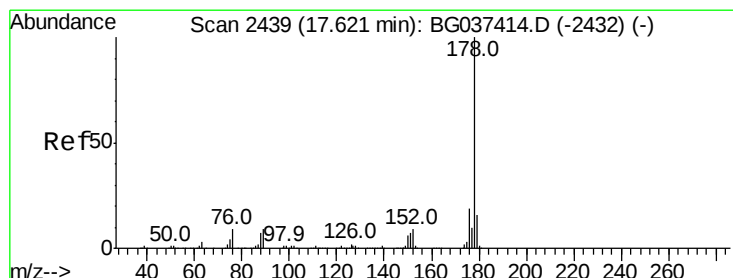
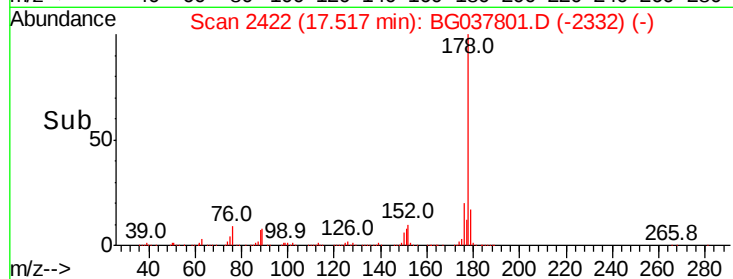
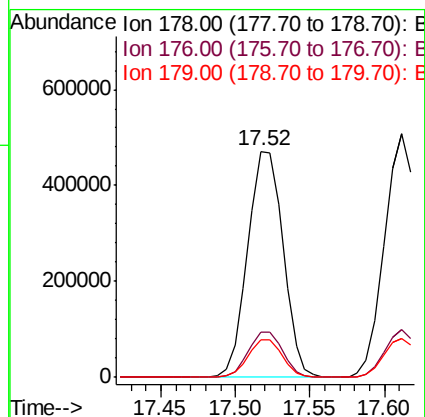
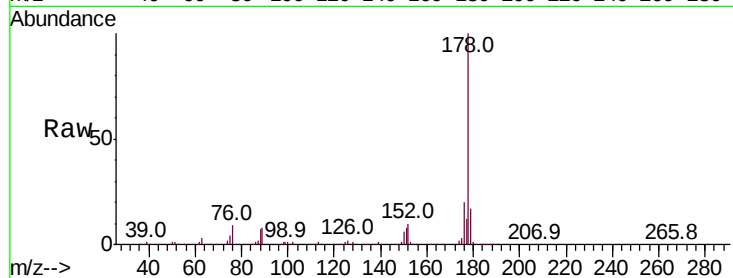




#71  
Phenanthrene  
Concen: 44.360 ng  
RT: 17.52 min Scan# 2422  
Delta R.T. -0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

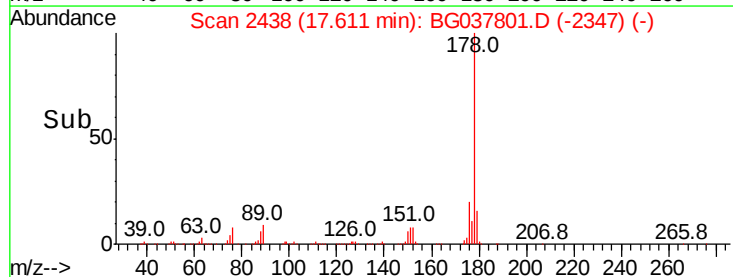
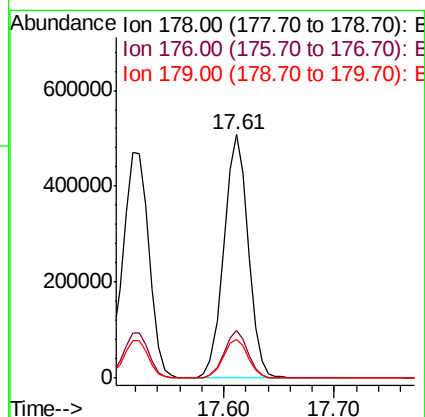
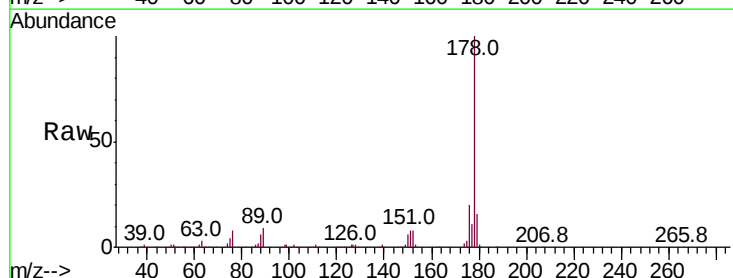
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

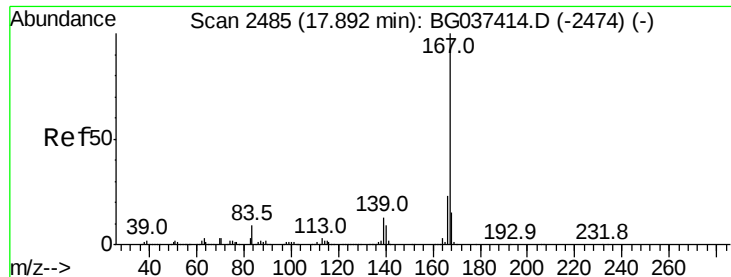
Tot Ion:178 Resp: 774826  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.1 24.1  
179 16.6 13.0 19.4



#72  
Anthracene  
Concen: 45.660 ng  
RT: 17.61 min Scan# 2438  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Tgt Ion:178 Resp: 782668  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.0 22.4  
179 16.0 12.8 19.2

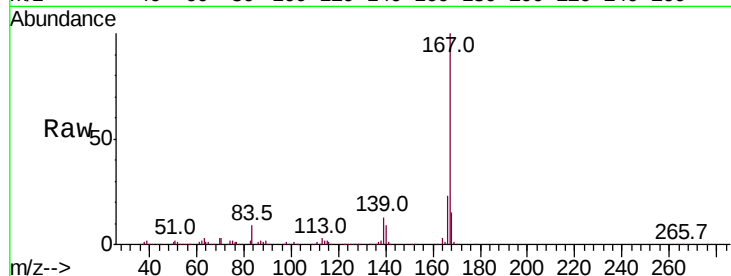




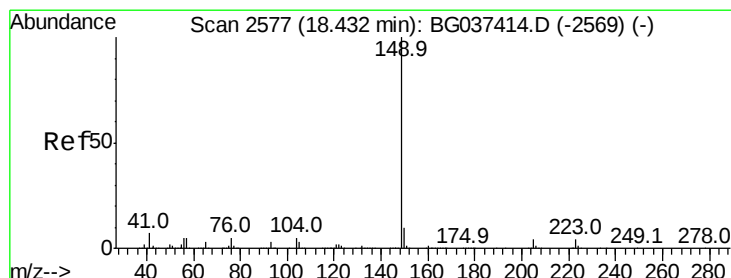
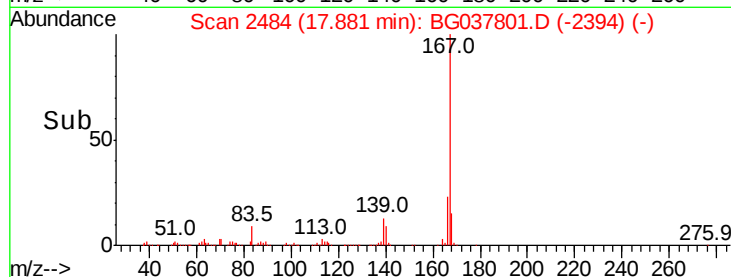
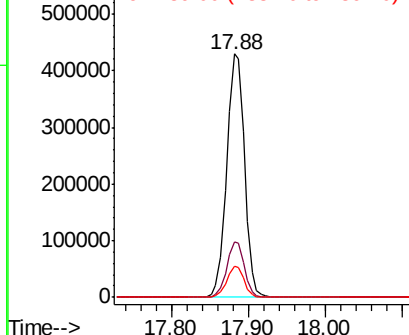
#73  
 Carbazole  
 Concen: 40.621 ng  
 RT: 17.88 min Scan# 2484  
 Delta R.T. -0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.0  | 18.3  | 27.5  |
| 139     | 12.8  | 10.5  | 15.7  |

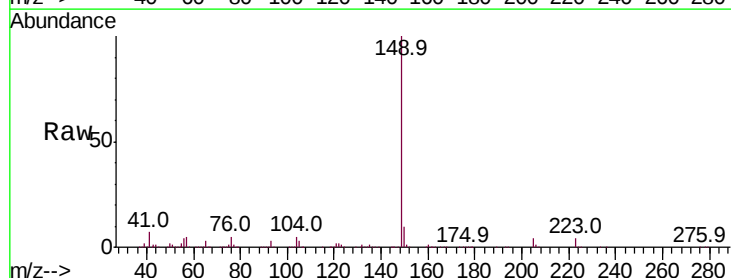


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

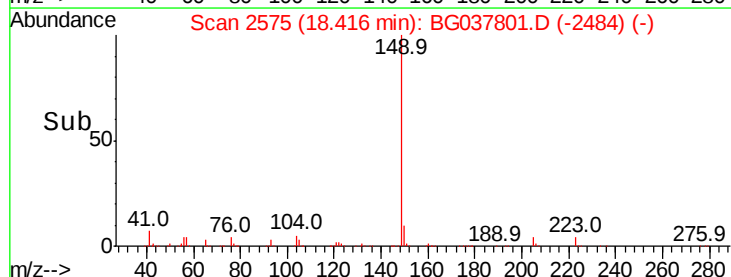
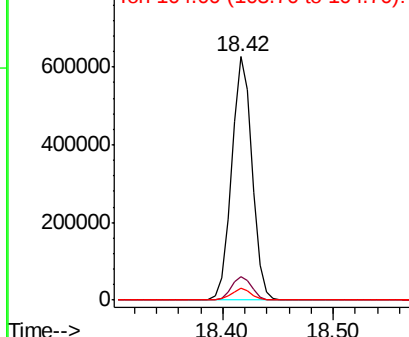


#74  
 Di-n-butylphthalate  
 Concen: 42.672 ng  
 RT: 18.42 min Scan# 2575  
 Delta R.T. 0.00 min  
 Lab File: BG037801.D  
 Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.9   | 8.2   | 12.2  |
| 104     | 5.0   | 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: 44.720 ng

RT: 19.53 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

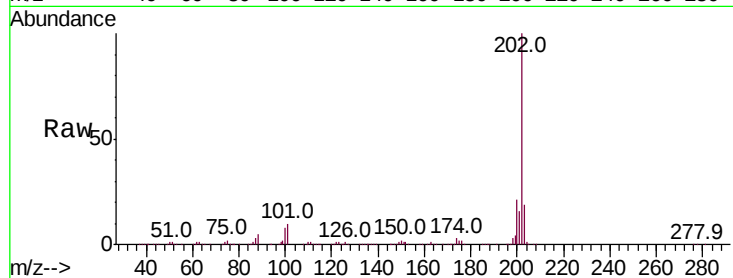
Tot Ion:202 Resp: 885937

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.7

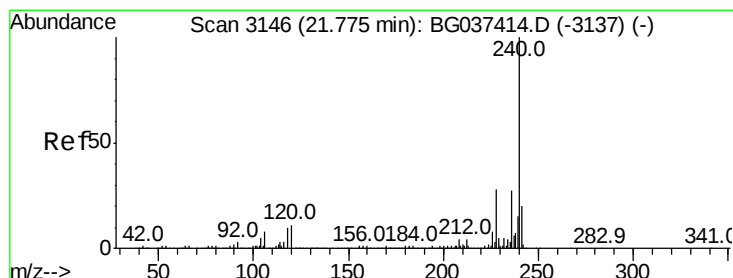
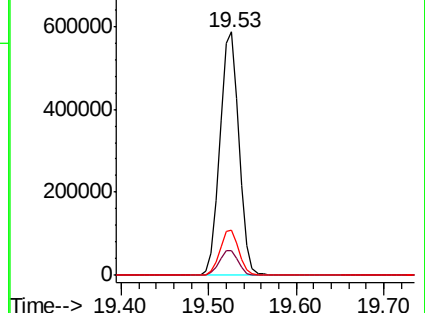
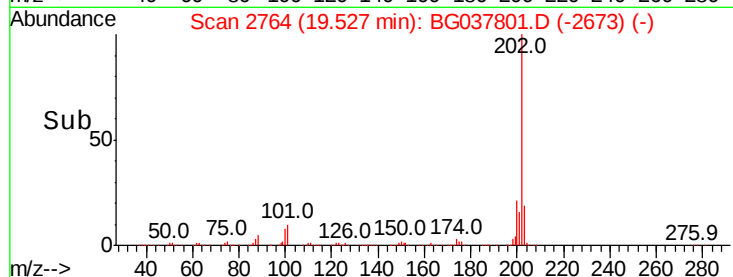
203 18.5 0.0 38.5



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: 21.76 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

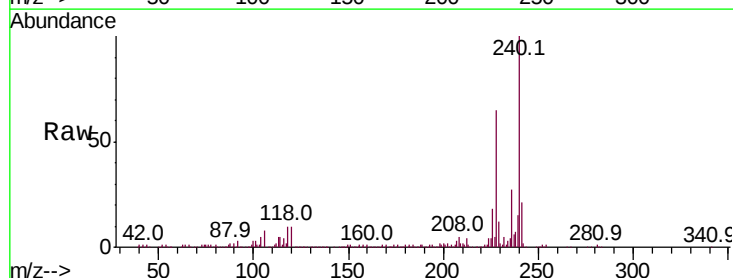
Tgt Ion:240 Resp: 311856

Ion Ratio Lower Upper

240 100

120 10.0 8.1 12.1

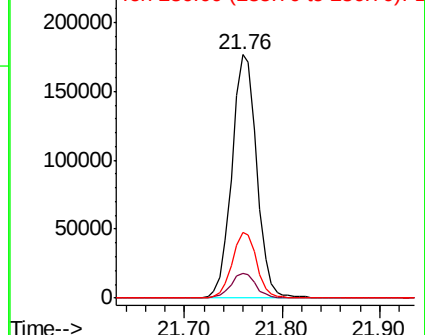
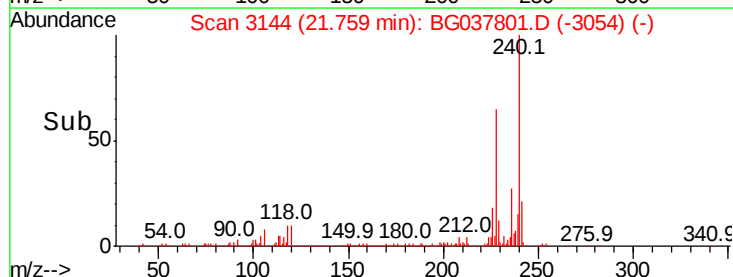
236 27.0 21.4 32.0

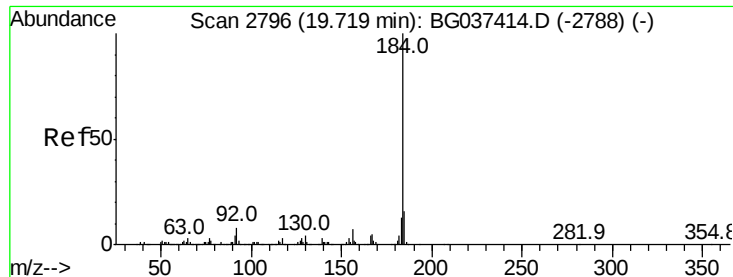


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 36.121 ng

RT: 19.71 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

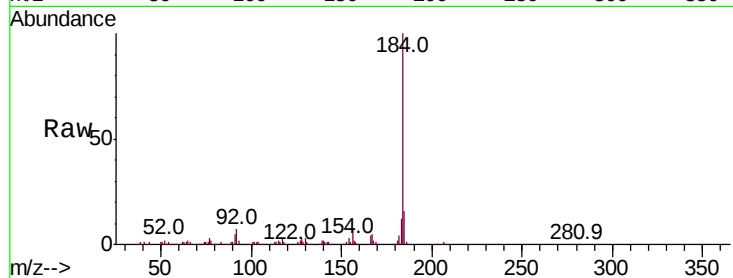
Tot Ion:184 Resp: 383026

Ion Ratio Lower Upper

184 100

185 15.7 12.6 18.8

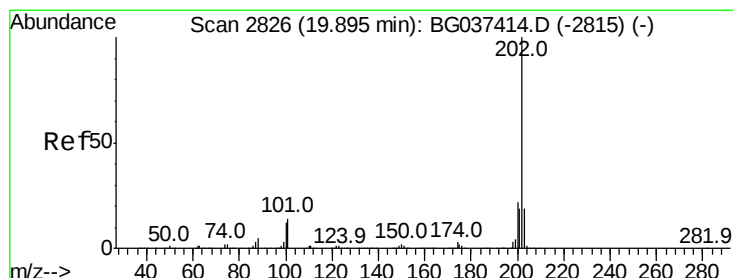
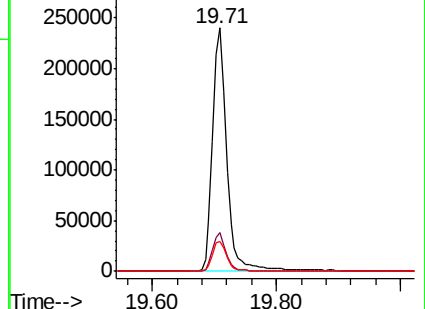
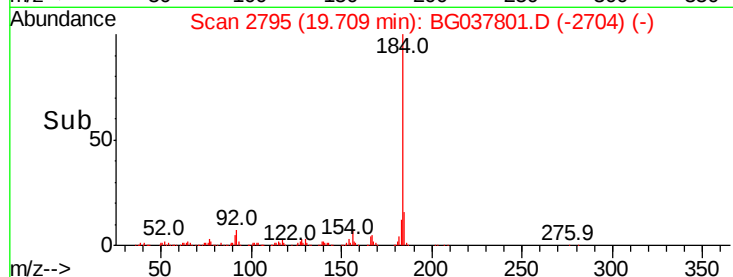
183 12.4 10.2 15.2



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: 43.314 ng

RT: 19.89 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

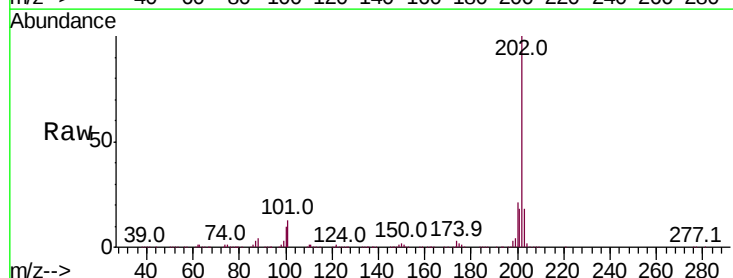
Tgt Ion:202 Resp: 883012

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

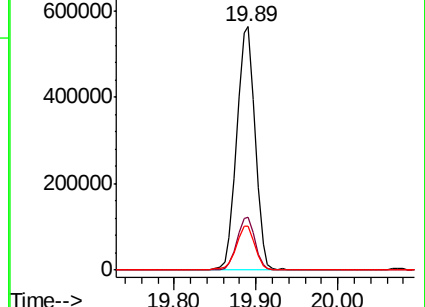
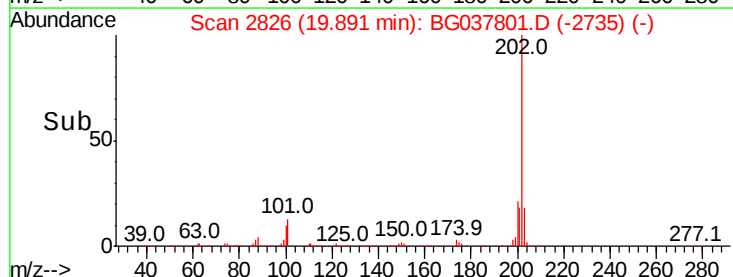
203 18.1 15.2 22.8

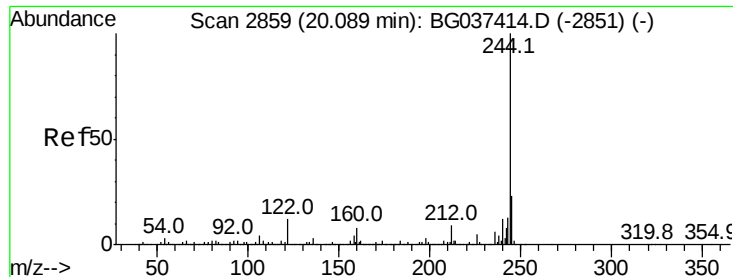


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.785 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

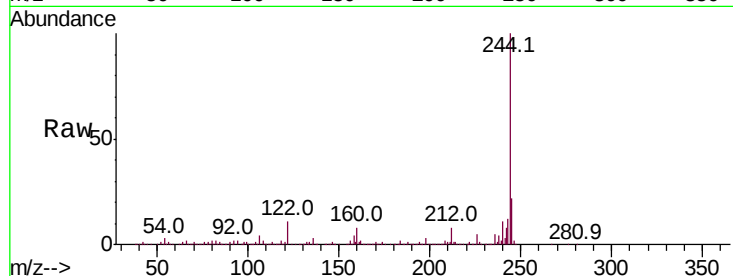
Tot Ion:244 Resp: 1135251

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

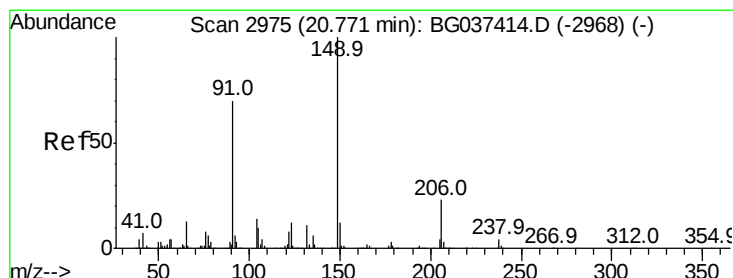
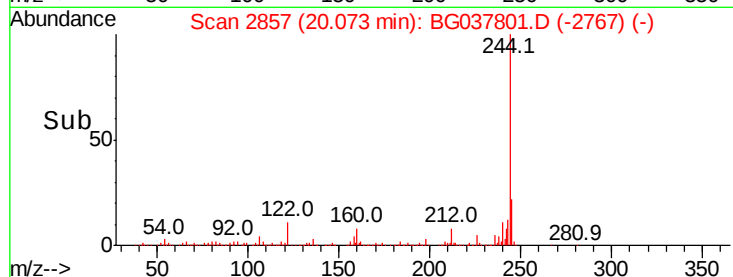
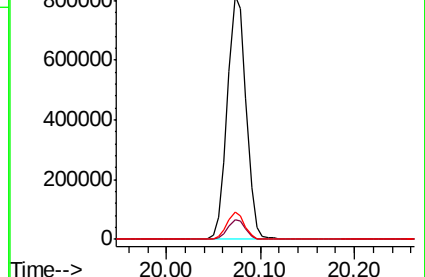
122 11.1 9.0 13.4



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: 44.413 ng

RT: 20.75 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

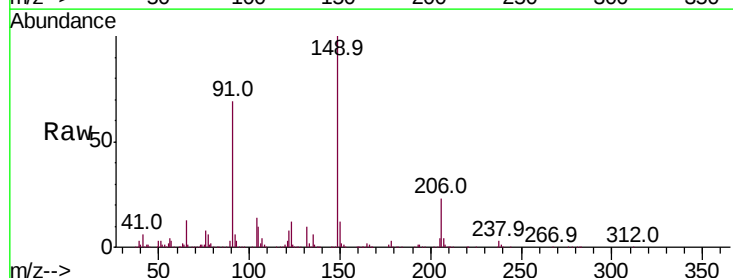
Tgt Ion:149 Resp: 370553

Ion Ratio Lower Upper

149 100

91 68.8 57.0 85.4

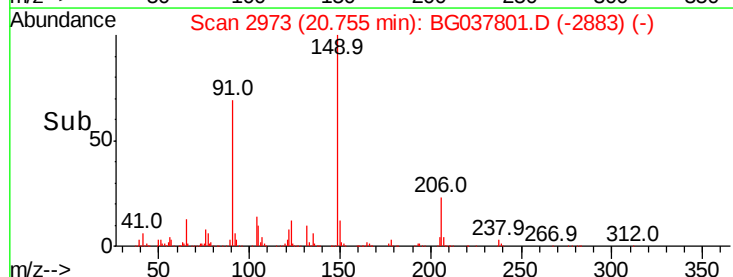
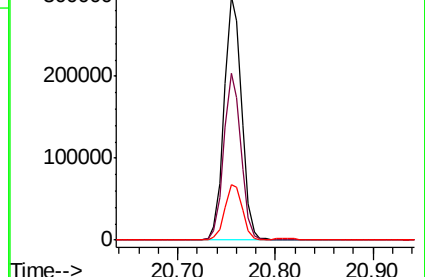
206 22.6 17.8 26.6

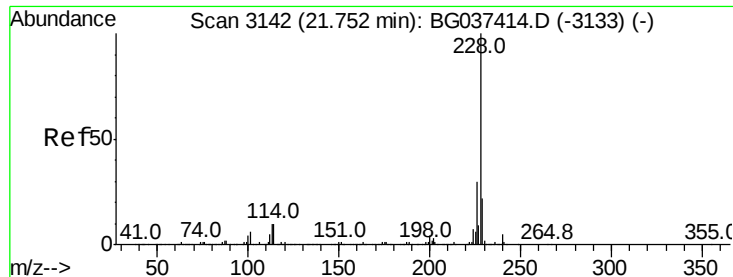


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.779 ng

RT: 21.74 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

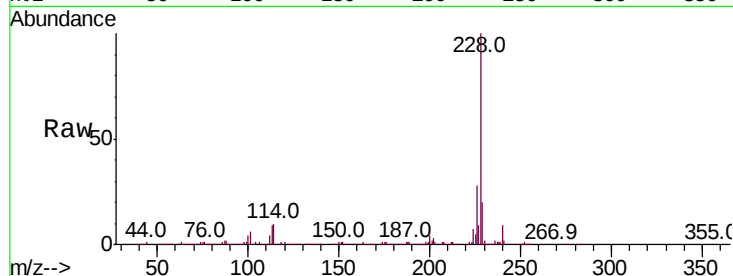
Tot Ion:228 Resp: 826001

Ion Ratio Lower Upper

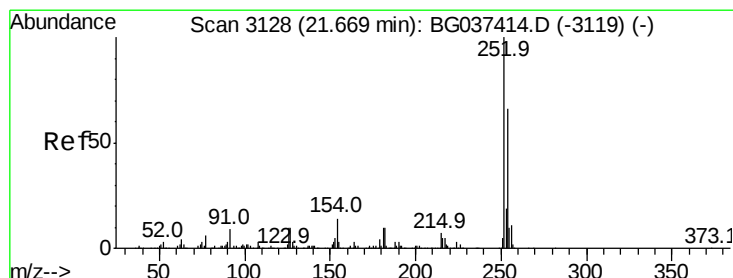
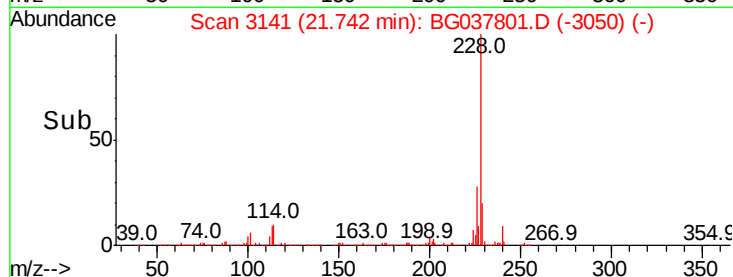
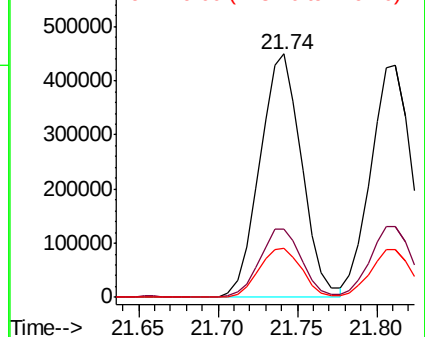
228 100

226 28.1 22.6 33.8

229 20.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.190 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

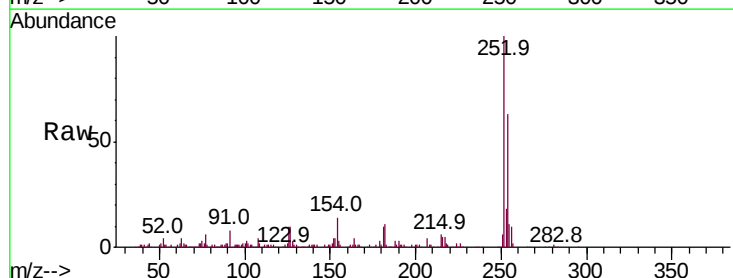
Tgt Ion:252 Resp: 230155

Ion Ratio Lower Upper

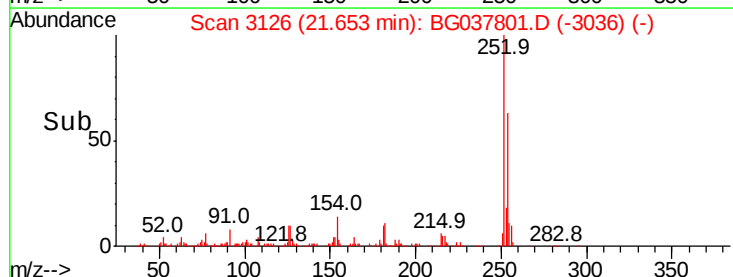
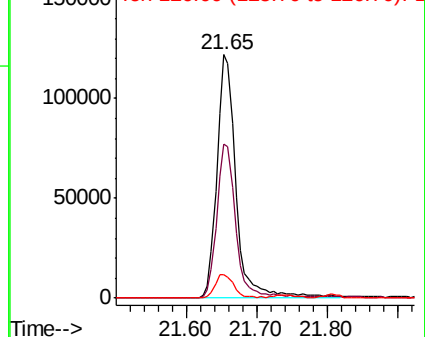
252 100

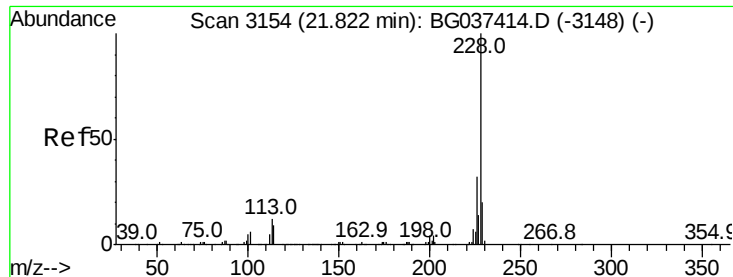
254 63.0 52.0 78.0

126 9.7 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.920 ng

RT: 21.81 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

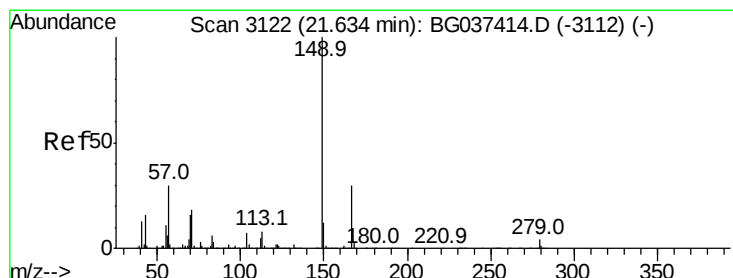
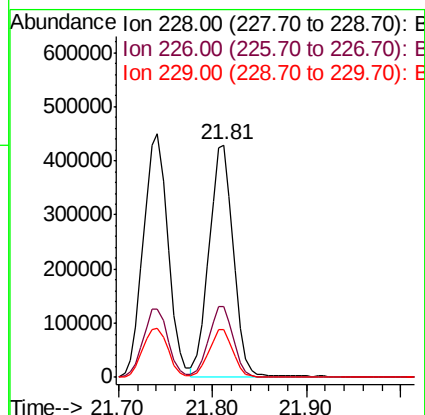
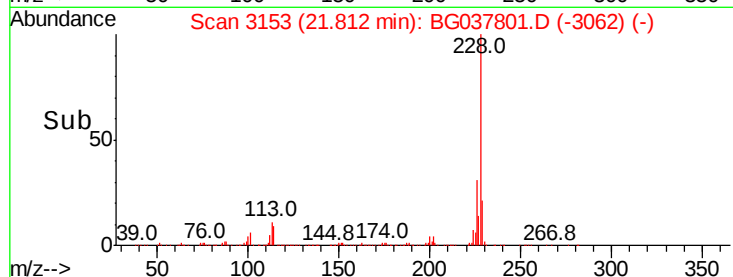
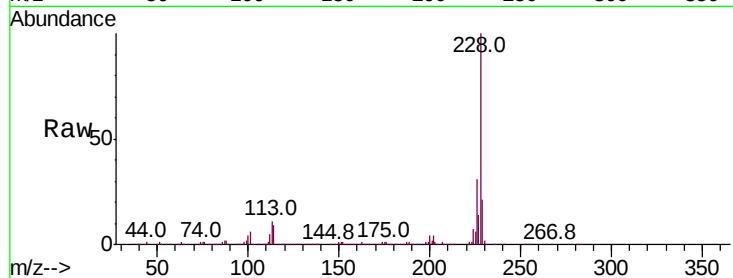
BNA\_G

ClientSampleId :

PB114440BS

Tot Ion:228 Resp: 779019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.8  | 25.7  | 38.5  |
| 229 | 20.6  | 16.5  | 24.7  |



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.509 ng

RT: 21.61 min Scan# 3119

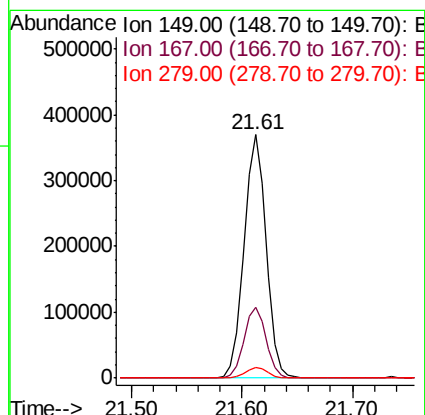
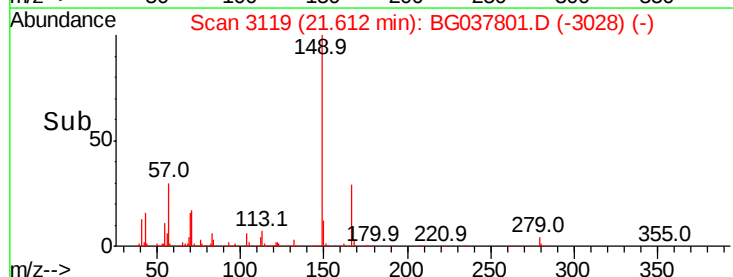
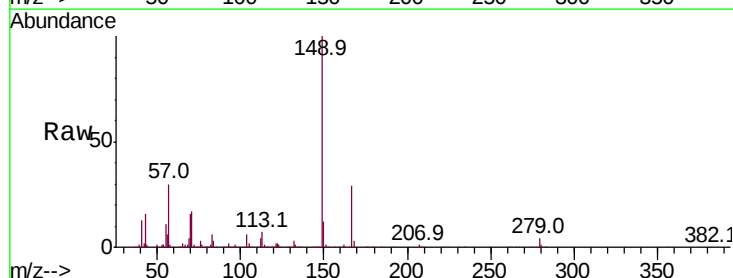
Delta R.T. 0.00 min

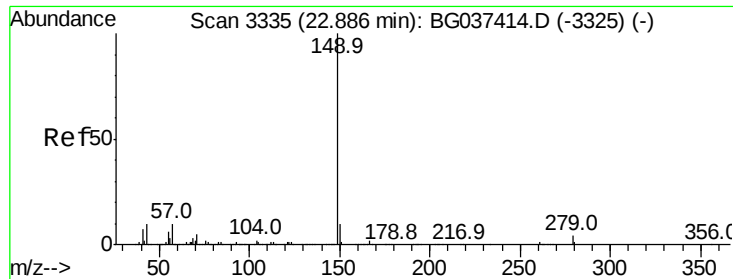
Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Tgt Ion:149 Resp: 520529

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 29.0  | 23.0  | 34.4  |
| 279 | 4.4   | 3.6   | 5.4   |

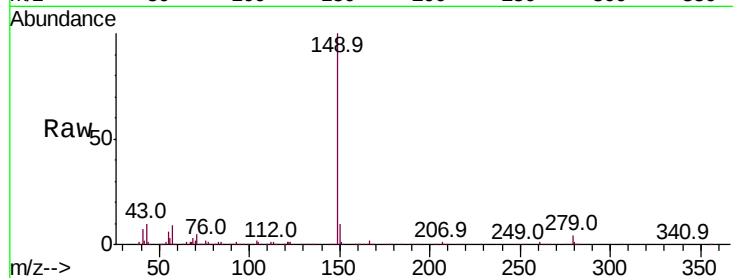




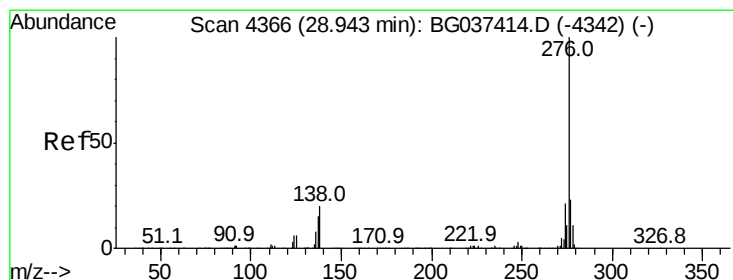
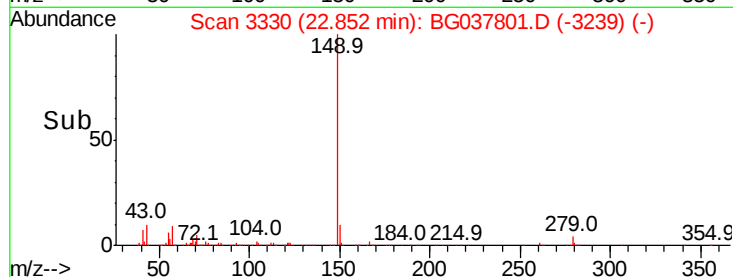
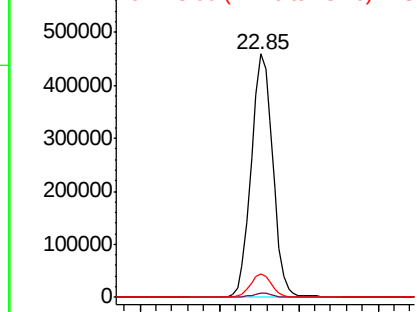
#85  
Di-n-octyl phthalate  
Concen: 45.745 ng  
RT: 22.85 min Scan# 3330  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 9.5   | 8.7   | 13.1  |

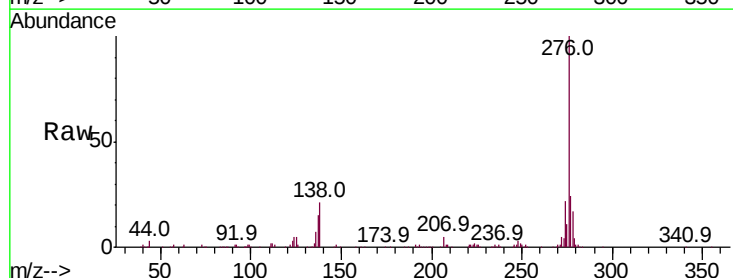


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BGC

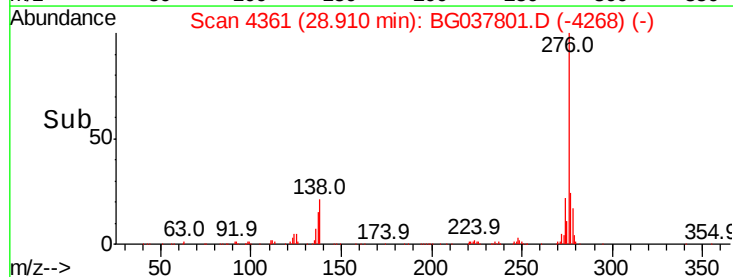
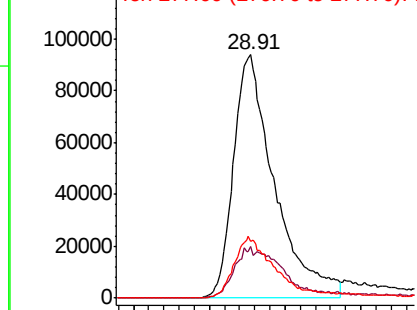


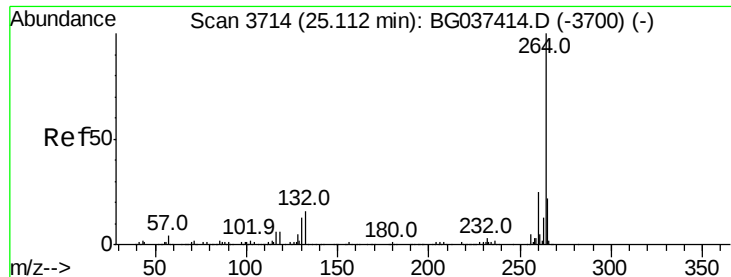
#86  
Indeno(1,2,3-cd)pyrene  
Concen: 37.152 ng  
RT: 28.91 min Scan# 4361  
Delta R.T. 0.01 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 10.5  | 12.0  | 18.0# |
| 277     | 23.6  | 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: 25.09 min Scan# 3711

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

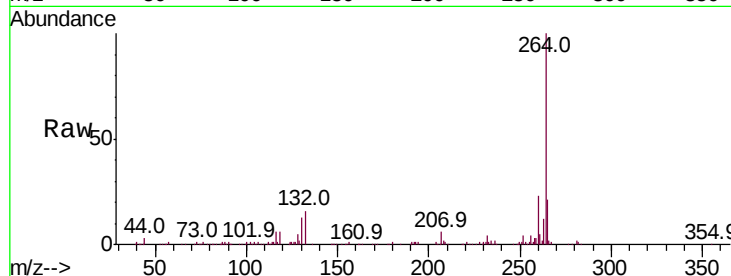
Tot Ion:264 Resp: 310113

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

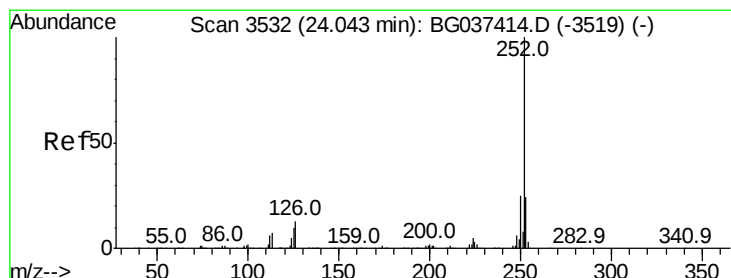
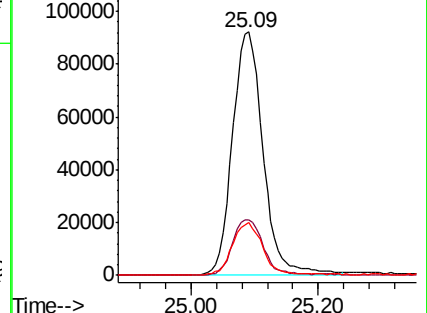
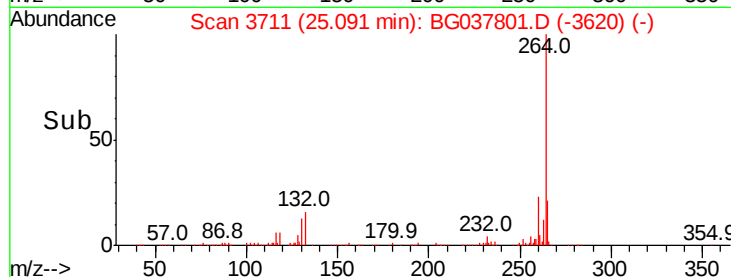
265 21.5 17.9 26.9



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: 45.909 ng

RT: 24.02 min Scan# 3529

Delta R.T. 0.00 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

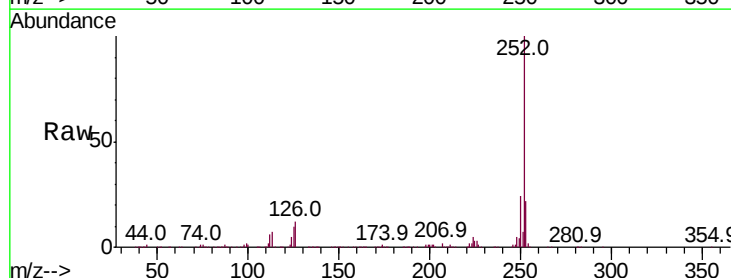
Tgt Ion:252 Resp: 780517

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

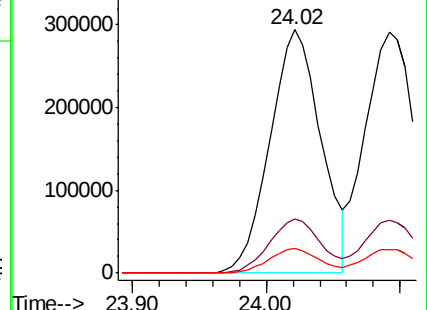
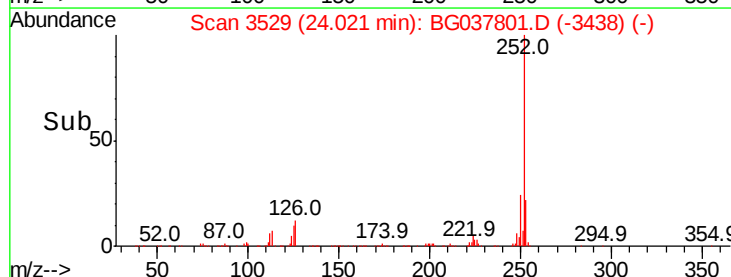
125 10.0 7.8 11.6

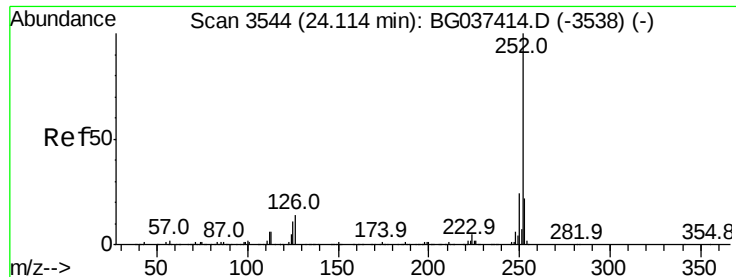


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

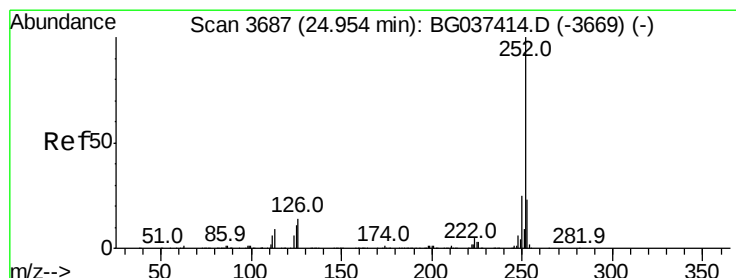
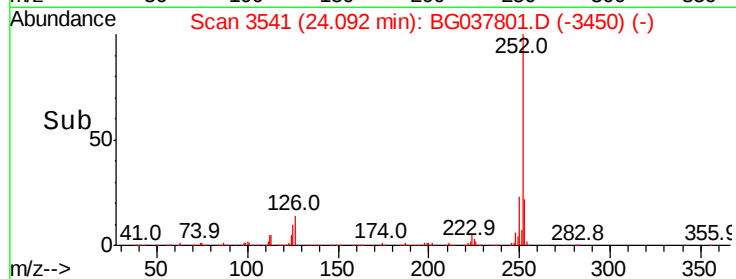
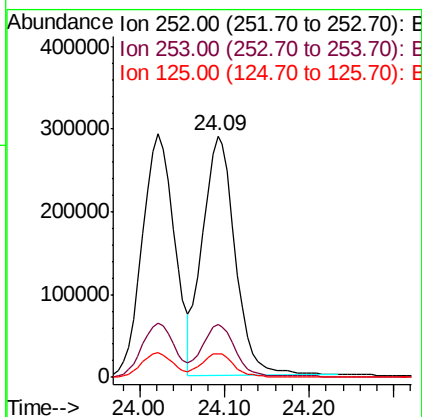
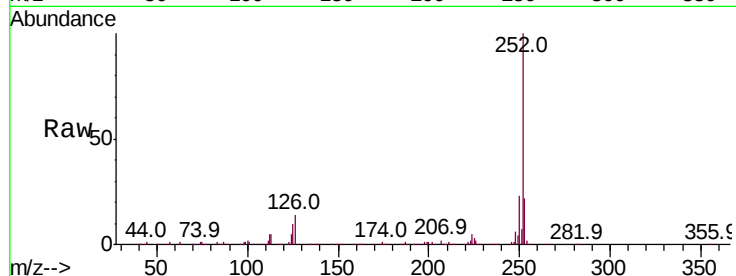




#89  
Benzo(k)fluoranthene  
Concen: 46.967 ng  
RT: 24.09 min Scan# 3541  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

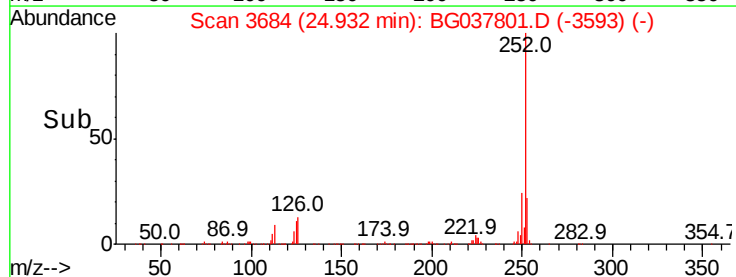
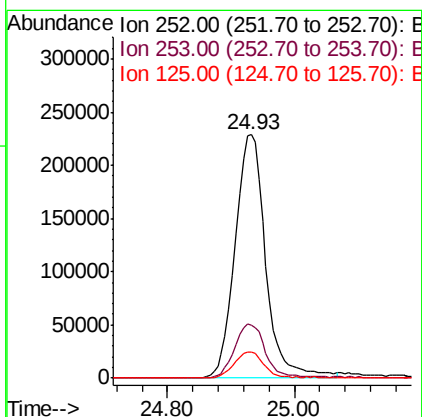
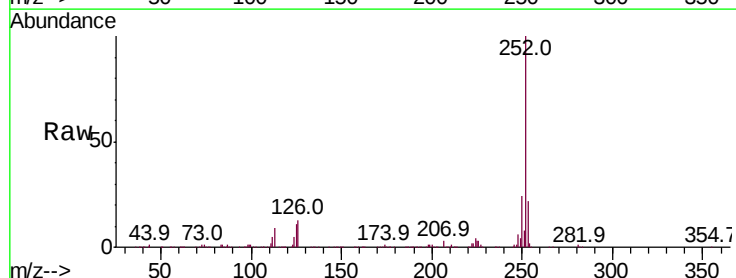
Instrument :  
BNA\_G  
ClientSampleId :  
PB114440BS

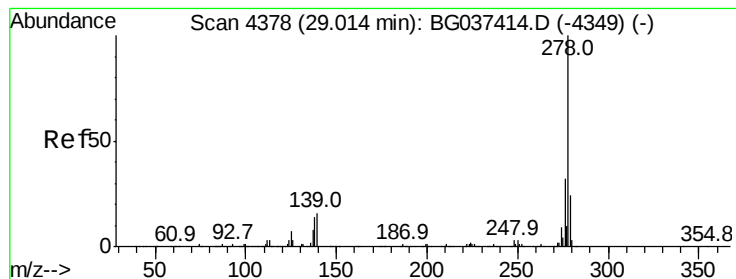
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.4  | 26.2  |
| 125     | 9.8   | 7.4   | 11.0  |



#90  
Benzo(a)pyrene  
Concen: 46.928 ng  
RT: 24.93 min Scan# 3684  
Delta R.T. 0.00 min  
Lab File: BG037801.D  
Acq: 5 Nov 2018 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.4  | 26.2  |
| 125     | 10.8  | 9.0   | 13.6  |





#91

Dibenzo(a,h)anthracene

Concen: 37.934 ng

RT: 28.97 min Scan# 4372

Delta R.T. 0.01 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

Instrument :

BNA\_G

ClientSampleId :

PB114440BS

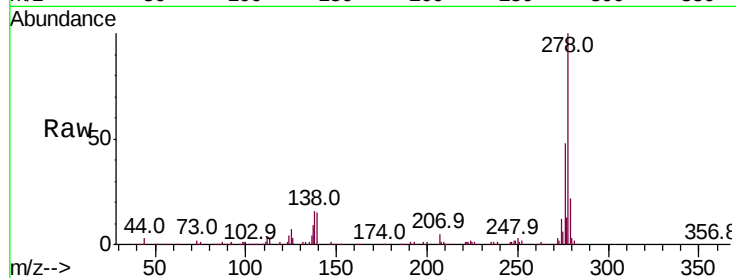
Tot Ion:278 Resp: 565297

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.5  | 11.5  | 17.3  |
| 279 | 22.3  | 18.6  | 27.8  |

278 100

139 15.5 11.5 17.3

279 22.3 18.6 27.8

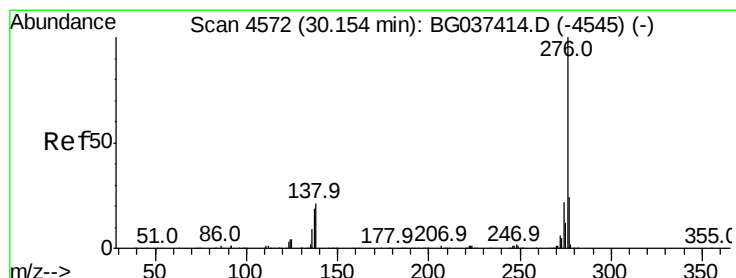
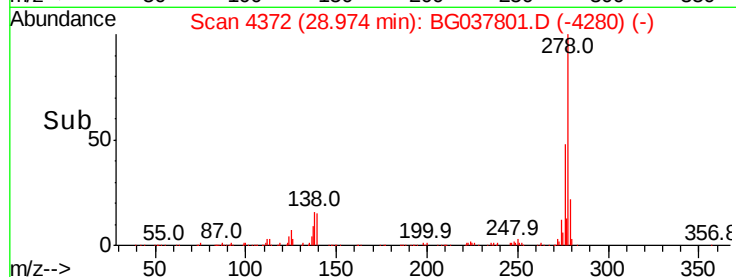
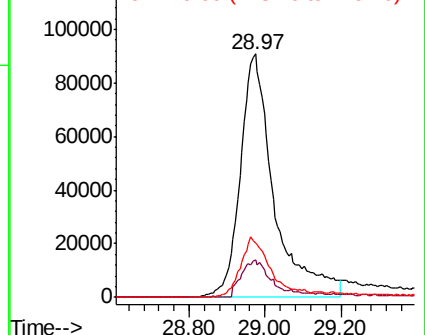


Abundance

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: 38.630 ng

RT: 30.11 min Scan# 4565

Delta R.T. 0.01 min

Lab File: BG037801.D

Acq: 5 Nov 2018 13:53

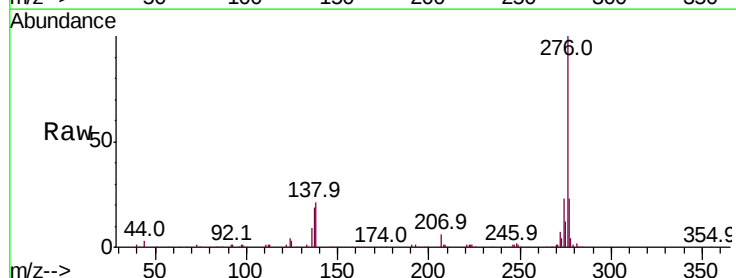
Tgt Ion:276 Resp: 582406

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.1  | 18.9  | 28.3  |
| 138 | 20.8  | 17.2  | 25.8  |

276 100

277 23.1 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

