

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\  
 Data File : BG037641.D  
 Acq On : 30 Oct 2018 2:58  
 Operator : JU/SJ  
 Sample : PB114209BS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

Quant Time: Oct 30 05:47:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.10  | 152  | 53364    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.93 | 136  | 247081   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.74 | 164  | 164106   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.48 | 188  | 402234   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.77 | 240  | 358038   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.10 | 264  | 378350   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 451484  | 141.45 | ng | 0.00 |
| 7) Phenol-d6             | 7.25  | 99  | 635973  | 131.77 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 323241  | 73.29  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.22 | 330 | 230289  | 128.66 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.36 | 172 | 802498  | 73.74  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.08 | 244 | 1000690 | 59.72  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 47747  | 29.497 | ng | 97     |
| 3) Pyridine                    | 3.93  | 79  | 138116 | 33.853 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 63129  | 43.442 | ng | # 99   |
| 6) Aniline                     | 7.42  | 93  | 183228 | 31.118 | ng | 97     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 159457 | 42.703 | ng | 98     |
| 9) Benzaldehyde                | 7.24  | 77  | 75978  | 25.165 | ng | 94     |
| 10) Phenol                     | 7.28  | 94  | 220089 | 43.218 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.52  | 93  | 146925 | 37.987 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.99  | 146 | 154934 | 37.270 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 158242 | 37.214 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.46  | 146 | 150961 | 36.906 | ng | 98     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 144216 | 40.438 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 266887 | 38.564 | ng | 97     |
| 17) 2-Methylphenol             | 8.53  | 107 | 145637 | 43.257 | ng | 99     |
| 18) Hexachloroethane           | 9.19  | 117 | 56618  | 39.056 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.90  | 70  | 123752 | 37.234 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.86  | 107 | 205958 | 42.787 | ng | 96     |
| 22) Acetophenone               | 8.93  | 105 | 234184 | 37.792 | ng | # 97   |
| 24) Nitrobenzene               | 9.32  | 77  | 178869 | 39.037 | ng | 95     |
| 25) Isophorone                 | 9.84  | 82  | 350287 | 43.465 | ng | 95     |
| 26) 2-Nitrophenol              | 10.03 | 139 | 90138  | 43.668 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 10.07 | 122 | 173899 | 47.184 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 211685 | 40.091 | ng | 94     |
| 29) 2,4-Dichlorophenol         | 10.56 | 162 | 173996 | 42.402 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.78 | 180 | 164377 | 36.836 | ng | 98     |
| 31) Naphthalene                | 10.97 | 128 | 491862 | 40.529 | ng | 99     |
| 32) Benzoic acid               | 10.20 | 122 | 119163 | 49.780 | ng | 97     |
| 33) 4-Chloroaniline            | 11.08 | 127 | 131905 | 23.132 | ng | 98     |
| 34) Hexachlorobutadiene        | 11.24 | 225 | 94623  | 35.777 | ng | 97     |
| 35) Caprolactam                | 11.87 | 113 | 66584  | 40.458 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 12.19 | 107 | 195155 | 42.170 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.57 | 142 | 381133 | 43.082 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.79 | 142 | 361724 | 42.103 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 192660 | 36.397 | ng | 98     |

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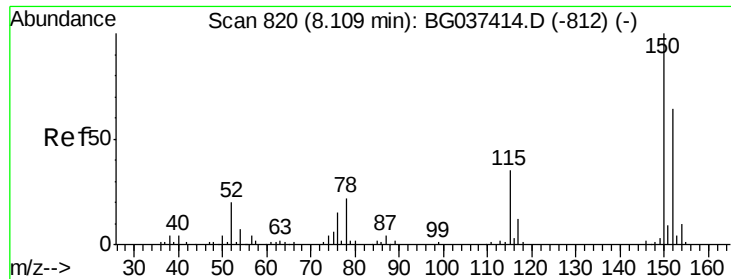
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

Quant Time: Oct 30 05:47:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.90 | 237  | 234371   | 92.693 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.17 | 196  | 148612   | 42.024 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.24 | 196  | 162155   | 42.115 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.57 | 154  | 494302   | 36.370 | ng    | 98       |
| 47) 2-Chloronaphthalene        | 13.62 | 162  | 391507   | 38.077 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.83 | 65   | 131702   | 42.239 | ng    | 92       |
| 49) Acenaphthylene             | 14.46 | 152  | 656445   | 42.442 | ng    | 100      |
| 50) Dimethylphthalate          | 14.19 | 163  | 509304   | 40.117 | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 116123   | 41.347 | ng    | 95       |
| 52) Acenaphthene               | 14.80 | 154  | 378975   | 39.785 | ng    | 97       |
| 53) 3-Nitroaniline             | 14.65 | 138  | 103016   | 33.041 | ng    | # 98     |
| 54) 2,4-Dinitrophenol          | 14.85 | 184  | 96403    | 78.382 | ng    | 97       |
| 55) Dibenzofuran               | 15.13 | 168  | 615246   | 38.983 | ng    | 99       |
| 56) 4-Nitrophenol              | 14.94 | 139  | 201942   | 87.503 | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 15.10 | 165  | 163466   | 44.340 | ng    | 99       |
| 58) Fluorene                   | 15.78 | 166  | 499781   | 42.288 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.35 | 232  | 143187   | 43.434 | ng    | 98       |
| 60) Diethylphthalate           | 15.54 | 149  | 533382   | 40.923 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.77 | 204  | 258903   | 37.584 | ng    | 100      |
| 62) 4-Nitroaniline             | 15.81 | 138  | 129329   | 41.745 | ng    | 94       |
| 63) Azobenzene                 | 16.06 | 77   | 503443   | 40.483 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 15.85 | 198  | 83399    | 41.016 | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.98 | 169  | 460893   | 38.093 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.67 | 248  | 166612   | 37.719 | ng    | 99       |
| 68) Hexachlorobenzene          | 16.78 | 284  | 166521   | 36.374 | ng    | 98       |
| 69) Atrazine                   | 16.93 | 200  | 176237   | 40.287 | ng    | 99       |
| 70) Pentachlorophenol          | 17.12 | 266  | 203800   | 66.460 | ng    | 97       |
| 71) Phenanthrene               | 17.52 | 178  | 831125   | 40.656 | ng    | 99       |
| 72) Anthracene                 | 17.62 | 178  | 841523   | 41.947 | ng    | 99       |
| 73) Carbazole                  | 17.89 | 167  | 766987   | 38.220 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.42 | 149  | 912834   | 40.891 | ng    | 100      |
| 75) Fluoranthene               | 19.53 | 202  | 969181   | 41.800 | ng    | 99       |
| 77) Benzidine                  | 19.71 | 184  | 390388   | 32.067 | ng    | 98       |
| 78) Pyrene                     | 19.89 | 202  | 954733   | 40.791 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.77 | 149  | 413679   | 43.186 | ng    | 97       |
| 81) Benzo(a)anthracene         | 21.75 | 228  | 893618   | 42.196 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.67 | 252  | 251382   | 30.624 | ng    | 99       |
| 83) Chrysene                   | 21.82 | 228  | 826483   | 40.586 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149  | 587356   | 43.745 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.86 | 149  | 981228   | 44.816 | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.93 | 276  | 894198   | 40.940 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 24.03 | 252  | 864883   | 41.696 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.10 | 252  | 840944   | 41.381 | ng    | 97       |
| 90) Benzo(a)pyrene             | 24.94 | 252  | 837924   | 42.512 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 29.00 | 278  | 740571   | 40.733 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.13 | 276  | 742512   | 40.367 | ng    | 99       |

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



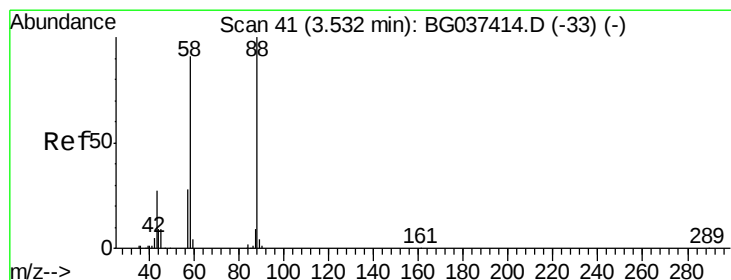
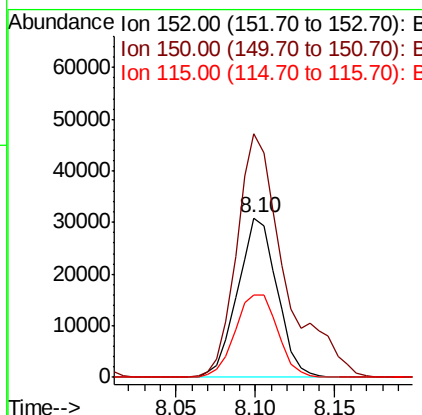
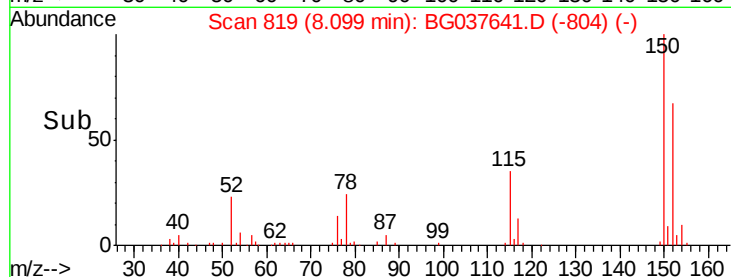
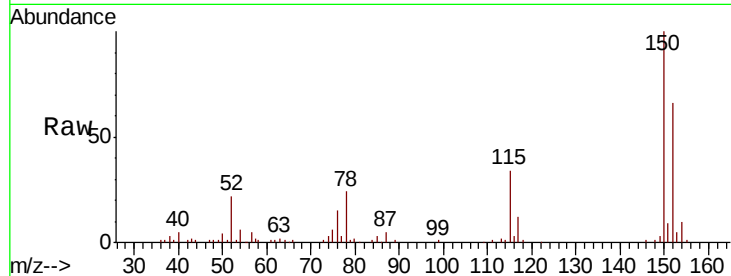


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
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PB114209BS

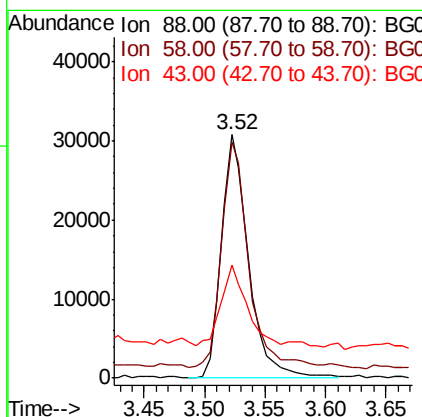
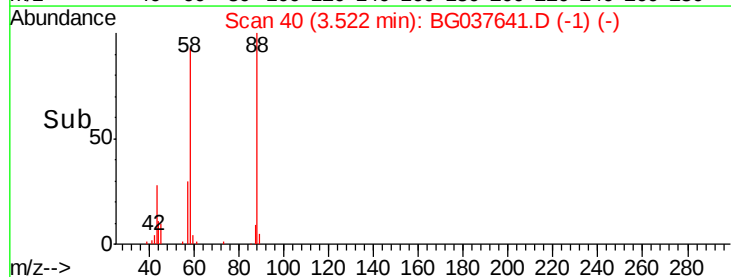
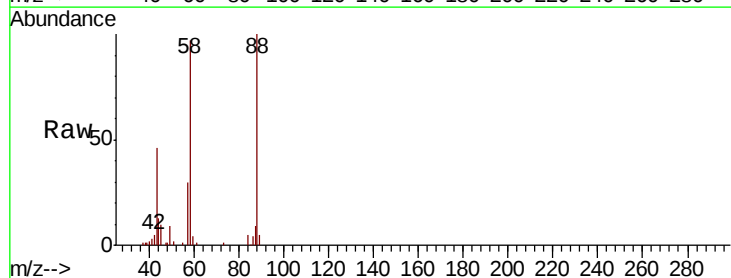
Tot Ion:152 Resp: 53364  
Ion Ratio Lower Upper  
152 100  
150 152.6 126.0 189.0  
115 51.6 45.5 68.3

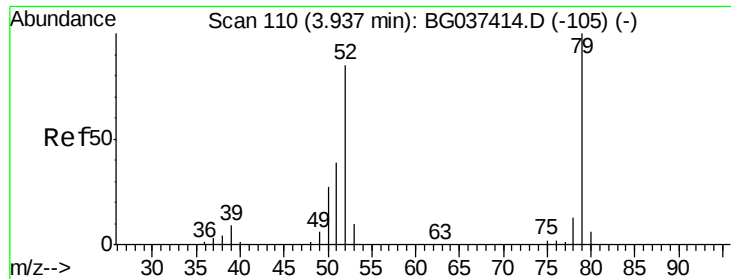


#2

1,4-Dioxane  
Concen: 29.497 ng  
RT: 3.52 min Scan# 40  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion: 88 Resp: 47747  
Ion Ratio Lower Upper  
88 100  
58 90.8 74.4 111.6  
43 30.4 25.8 38.8





#3

Pvridine

Concen: 33.853 ng

RT: 3.93 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

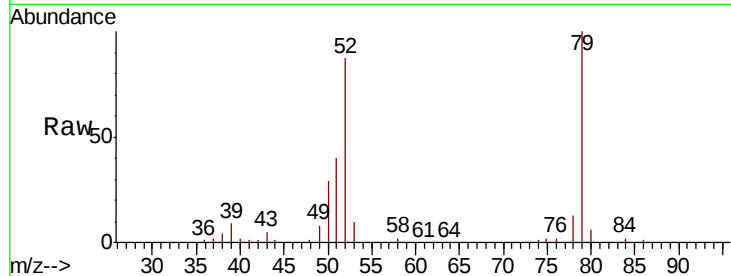
Tot Ion: 79 Resp: 138116

Ion Ratio Lower Upper

79 100

52 87.3 74.2 111.2

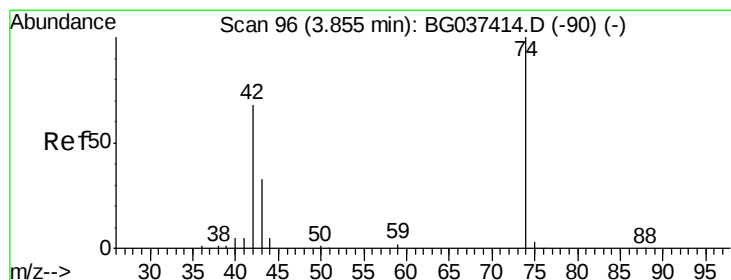
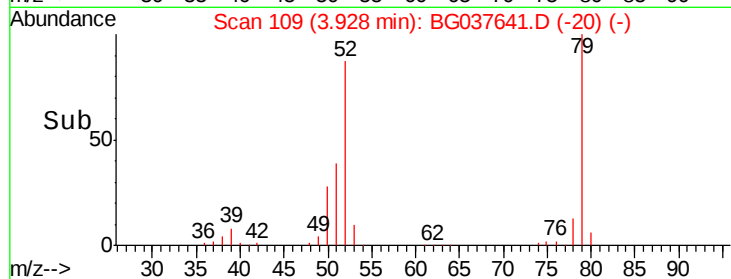
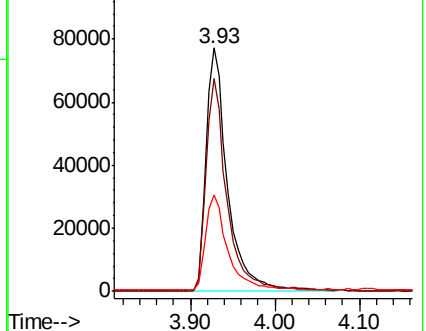
51 39.8 34.6 51.8



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: 43.442 ng

RT: 3.85 min Scan# 95

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

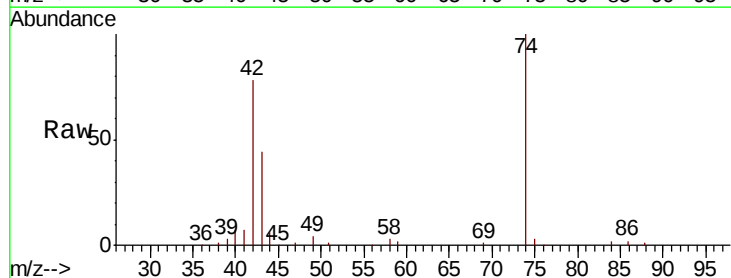
Tgt Ion: 42 Resp: 63129

Ion Ratio Lower Upper

42 100

74 127.9 102.0 153.0

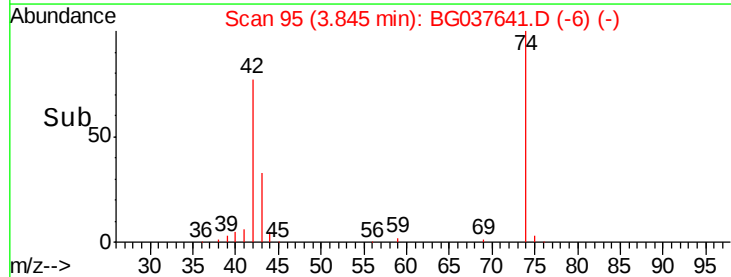
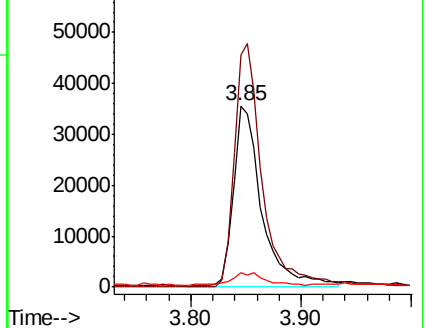
44 8.3 9.6 14.4#



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: 141.446 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

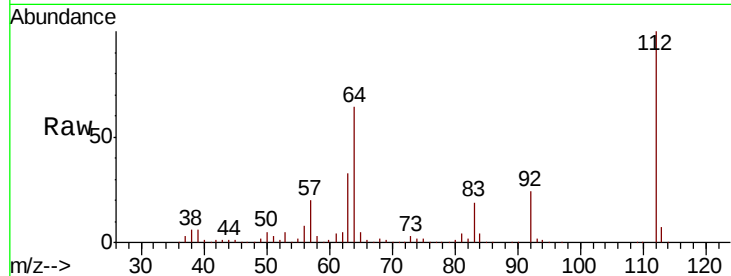
Tot Ion:112 Resp: 451484

Ion Ratio Lower Upper

112 100

64 64.0 53.1 79.7

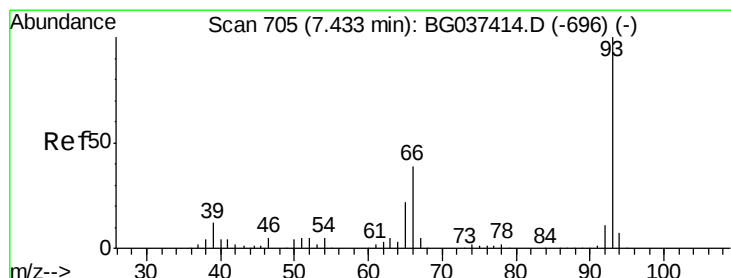
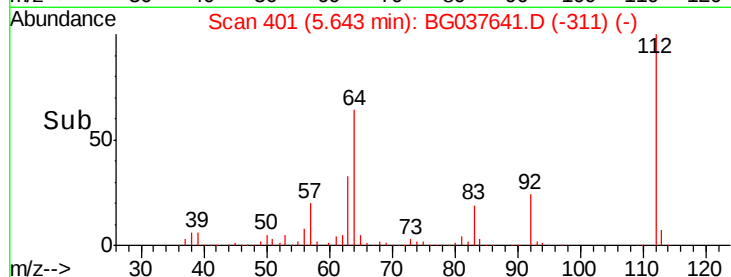
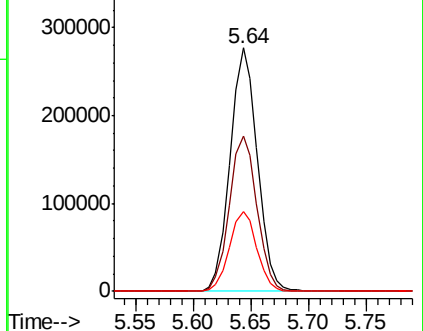
63 32.9 27.3 40.9



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: 31.118 ng

RT: 7.42 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

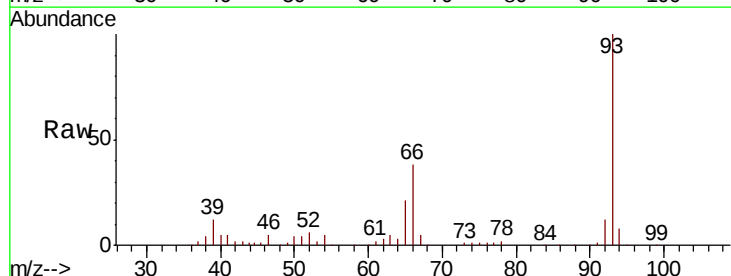
Tgt Ion: 93 Resp: 183228

Ion Ratio Lower Upper

93 100

66 38.3 32.8 49.2

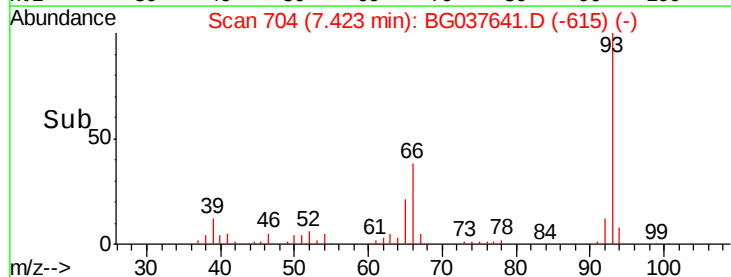
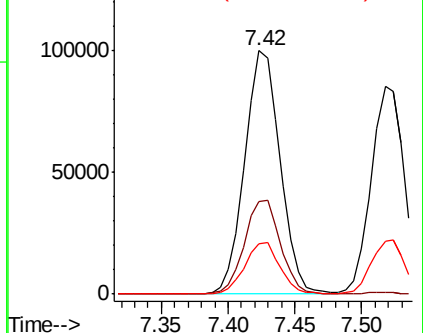
65 20.7 16.4 24.6

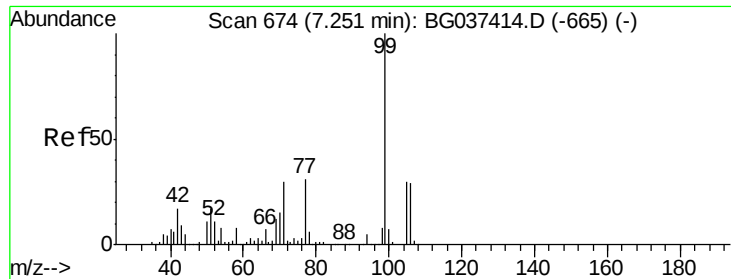


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.765 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

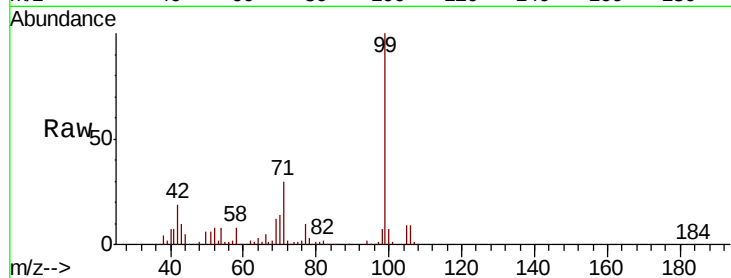
Tot Ion: 99 Resp: 635973

Ion Ratio Lower Upper

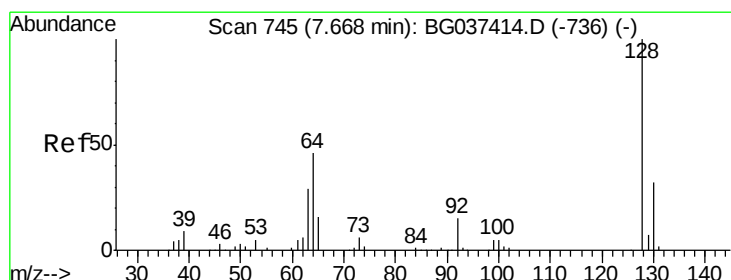
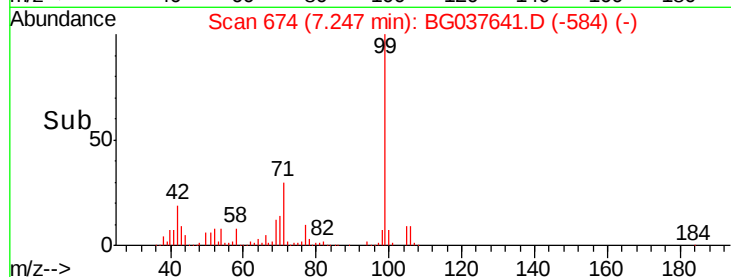
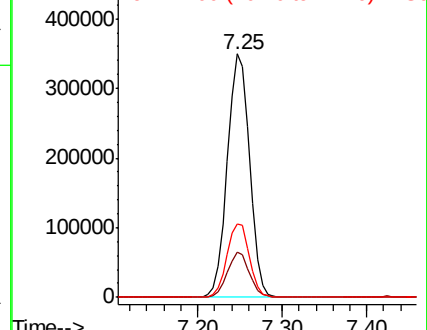
99 100

42 18.6 15.0 22.4

71 30.3 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: 42.703 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

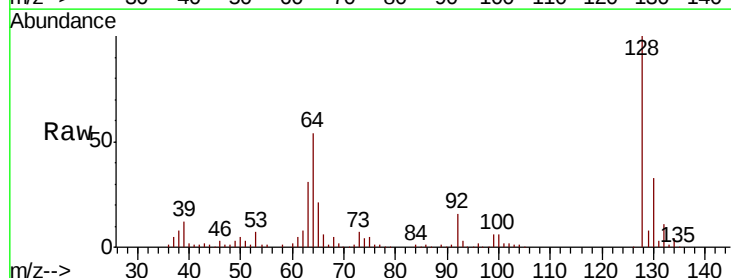
Tgt Ion: 128 Resp: 159457

Ion Ratio Lower Upper

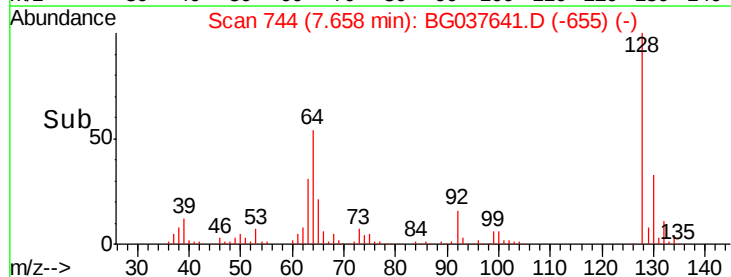
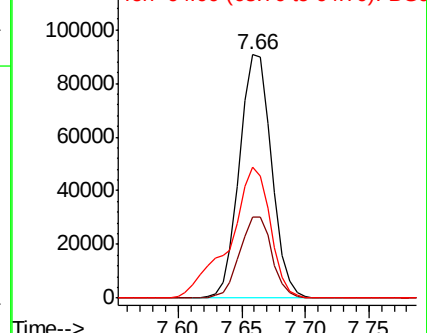
128 100

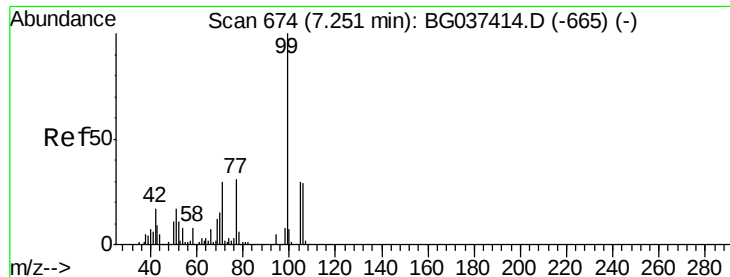
130 33.4 12.0 52.0

64 54.0 32.9 72.9



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





#9

Benzaldehyde

Concen: 25.165 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

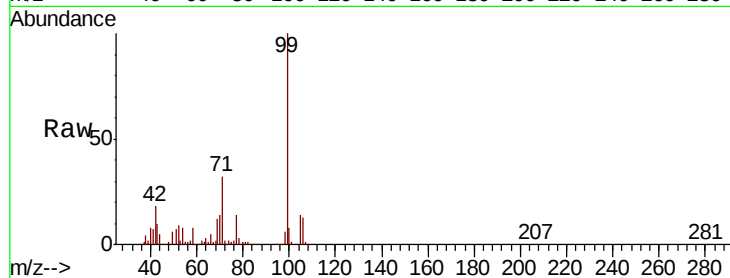
Tot Ion: 77 Resp: 75978

Ion Ratio Lower Upper

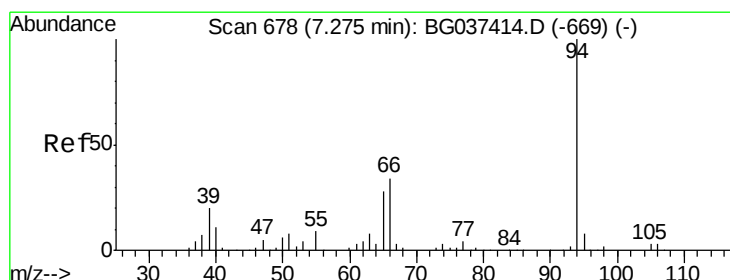
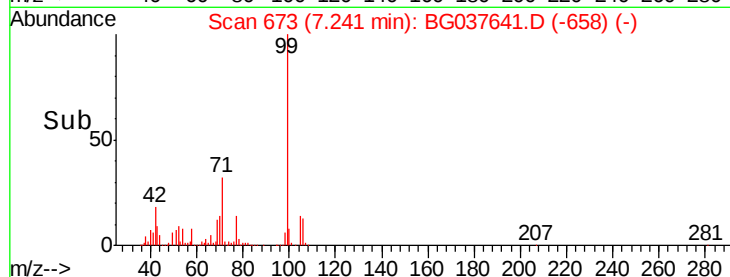
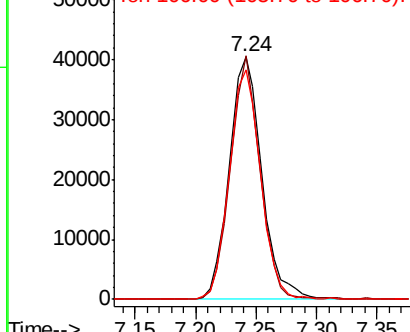
77 100

105 100.3 72.6 112.6

106 94.5 71.3 111.3



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.218 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

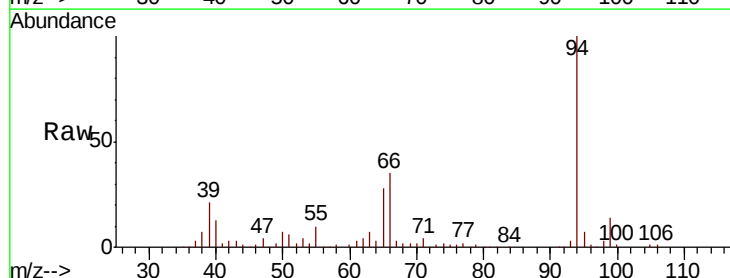
Tgt Ion: 94 Resp: 220089

Ion Ratio Lower Upper

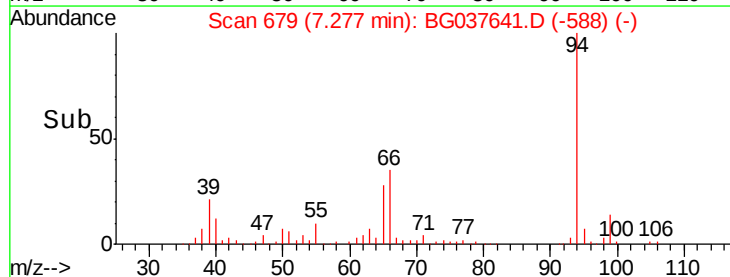
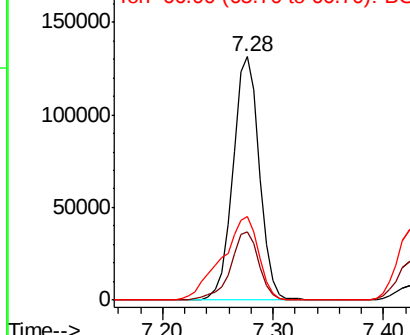
94 100

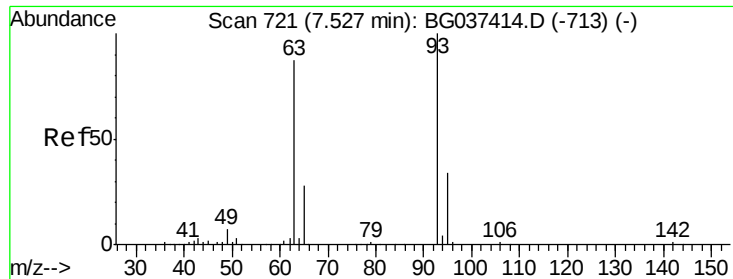
65 28.0 9.7 49.7

66 34.5 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

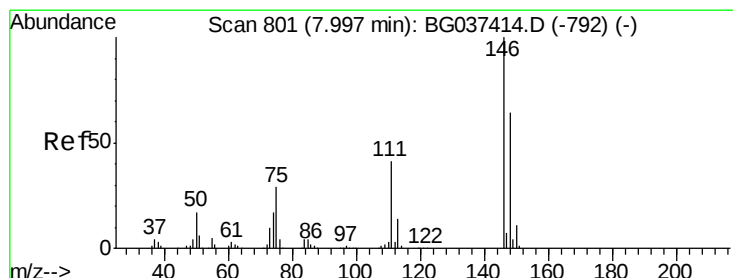
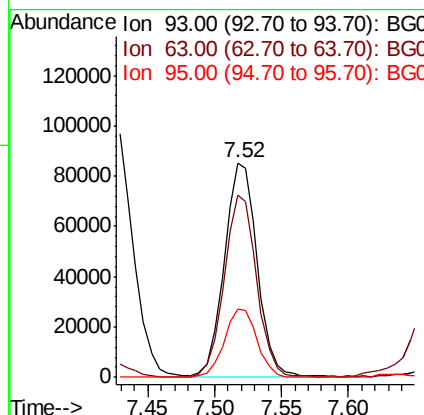
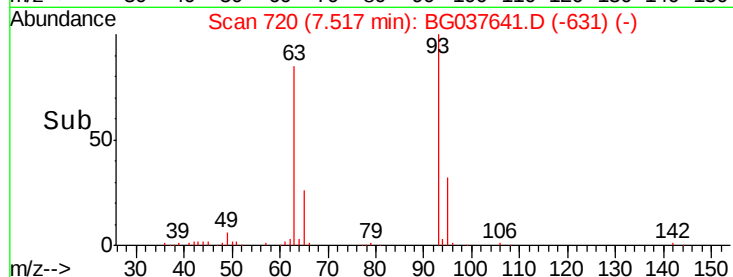
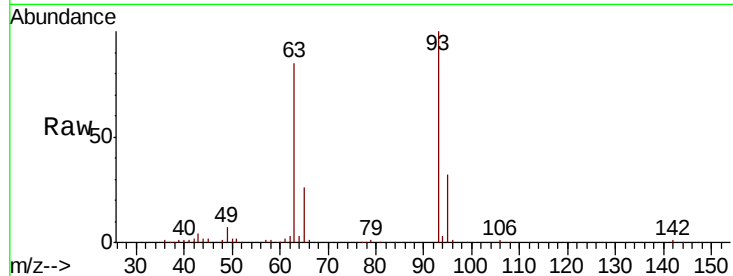




#11  
bis(2-Chloroethyl)ether  
Concen: 37.987 ng  
RT: 7.52 min Scan# 720  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

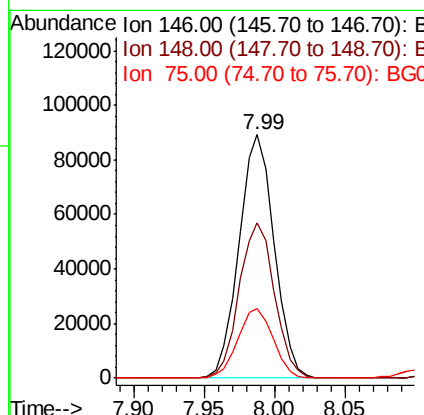
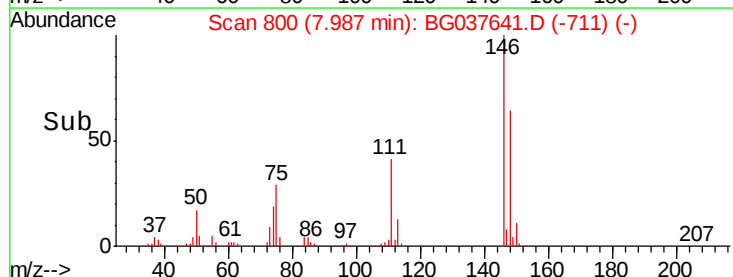
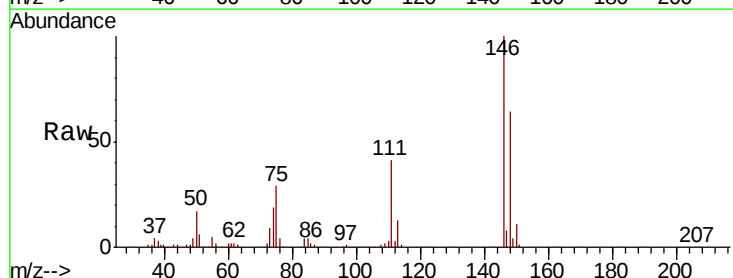
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

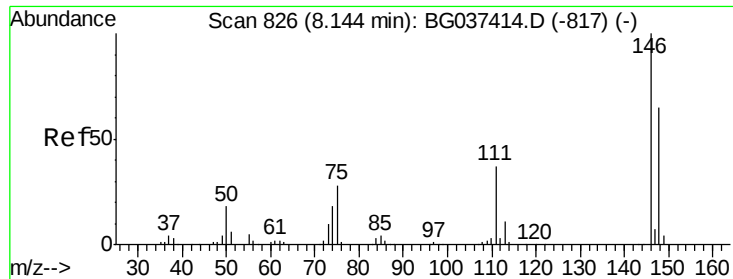
Tot Ion: 93 Resp: 146925  
Ion Ratio Lower Upper  
93 100  
63 84.9 69.5 109.5  
95 31.8 12.6 52.6



#12  
1,3-Dichlorobenzene  
Concen: 37.270 ng  
RT: 7.99 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion: 146 Resp: 154934  
Ion Ratio Lower Upper  
146 100  
148 63.7 49.8 74.8  
75 28.8 23.2 34.8

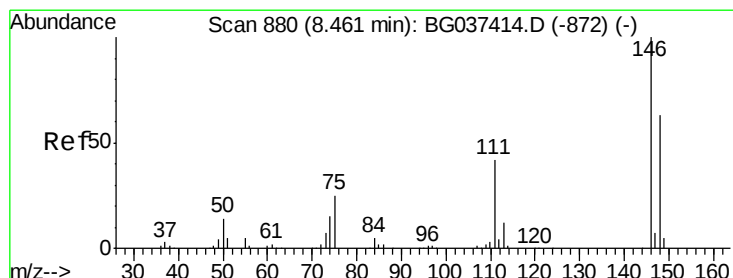
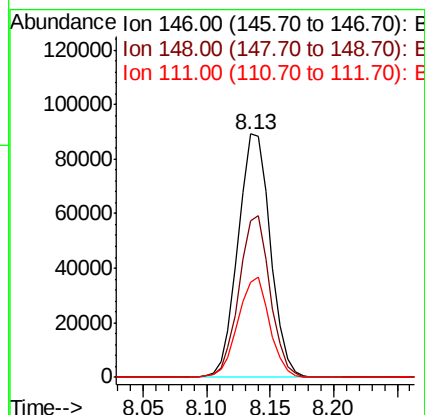
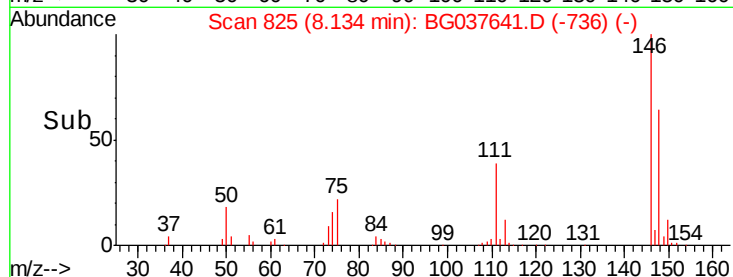
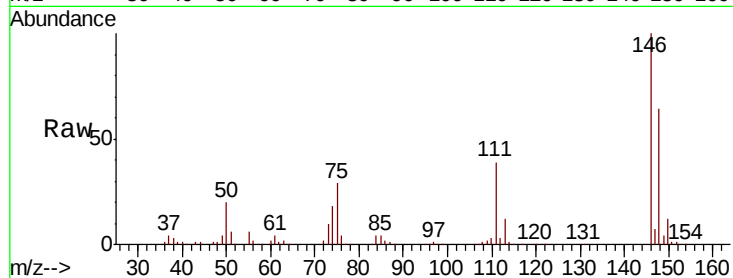




#13  
 1,4-Dichlorobenzene  
 Concen: 37.214 ng  
 RT: 8.13 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

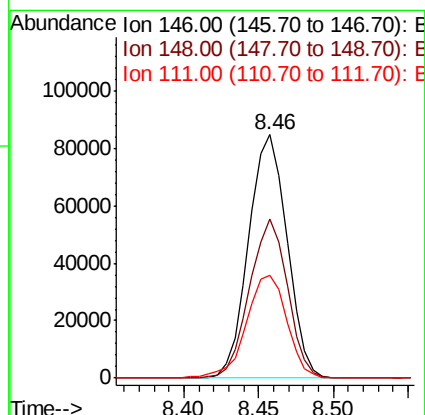
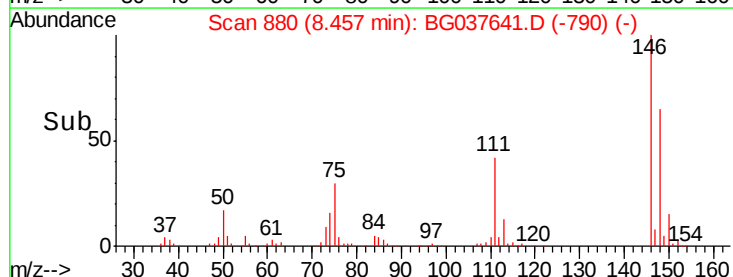
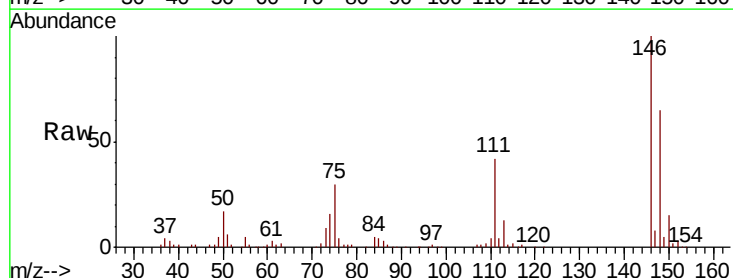
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

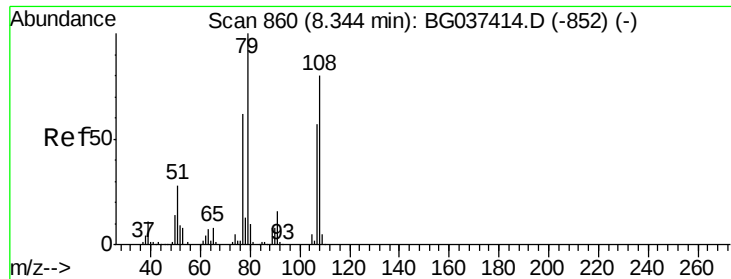
Tot Ion:146 Resp: 158242  
 Ion Ratio Lower Upper  
 146 100  
 148 64.4 51.0 76.6  
 111 38.9 32.4 48.6



#14  
 1,2-Dichlorobenzene  
 Concen: 36.906 ng  
 RT: 8.46 min Scan# 880  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Tgt Ion:146 Resp: 150961  
 Ion Ratio Lower Upper  
 146 100  
 148 65.1 50.4 75.6  
 111 42.0 34.6 51.8





#15

Benzyl Alcohol

Concen: 40.438 ng

RT: 8.34 min Scan# 860

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

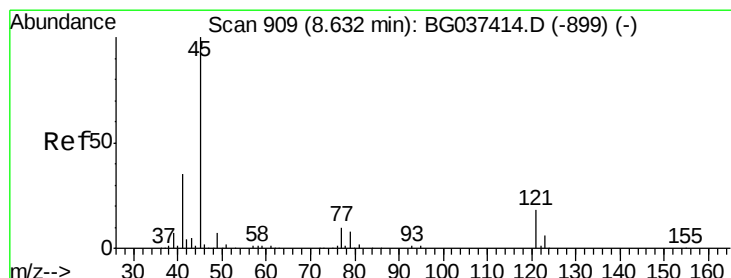
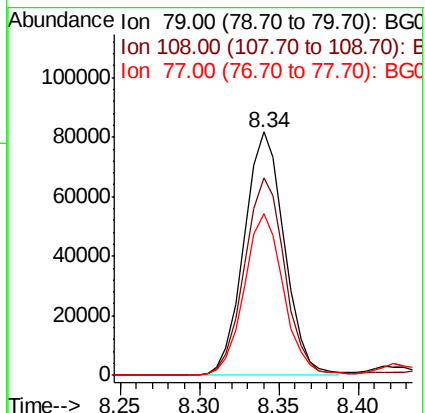
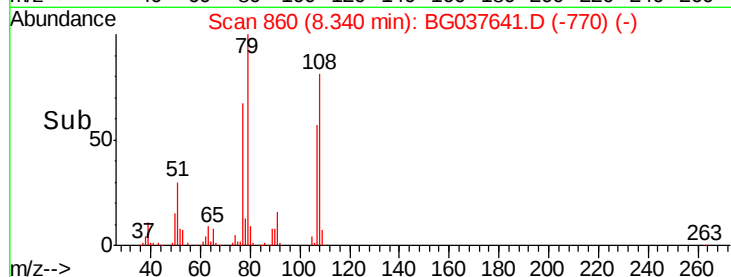
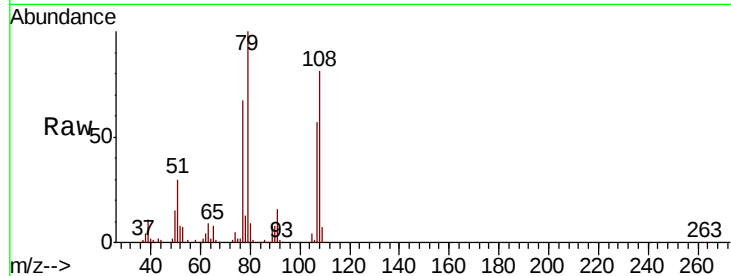
Tot Ion: 79 Resp: 144216

Ion Ratio Lower Upper

79 100

108 81.2 65.8 98.8

77 66.7 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.564 ng

RT: 8.62 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

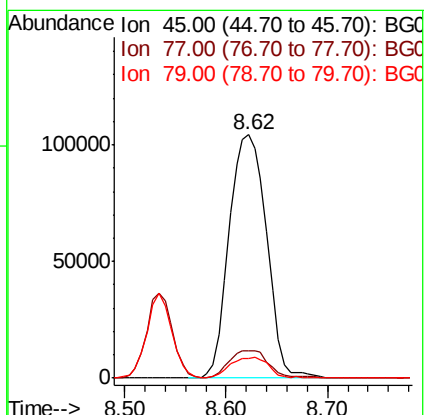
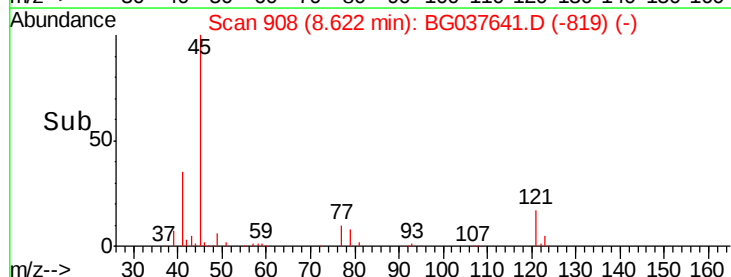
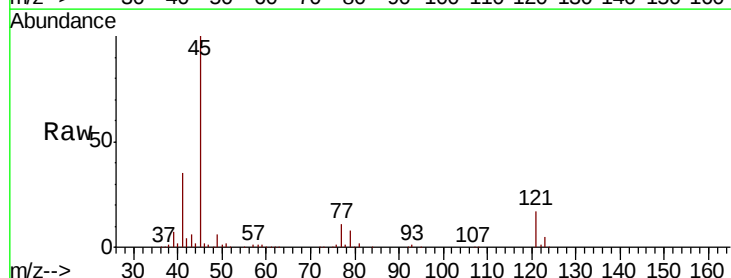
Tgt Ion: 45 Resp: 266887

Ion Ratio Lower Upper

45 100

77 11.4 0.0 30.0

79 8.2 0.0 29.0

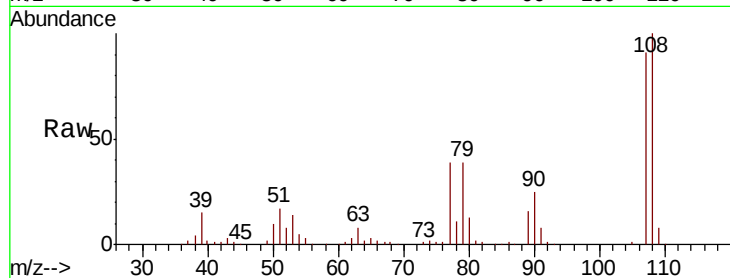




#17  
2-Methylphenol  
Concen: 43.257 ng  
RT: 8.53 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 145637 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 109.7 | 87.9  | 131.9  |
| 77       | 42.6  | 35.1  | 52.7   |
| 79       | 42.5  | 34.5  | 51.7   |



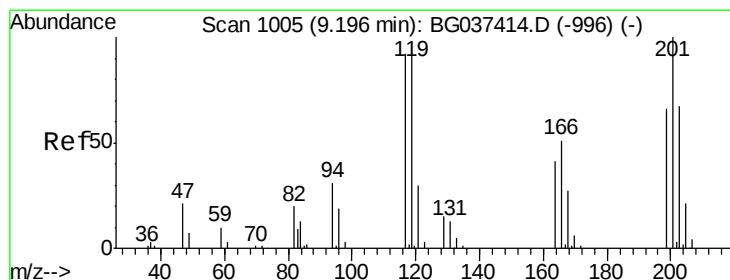
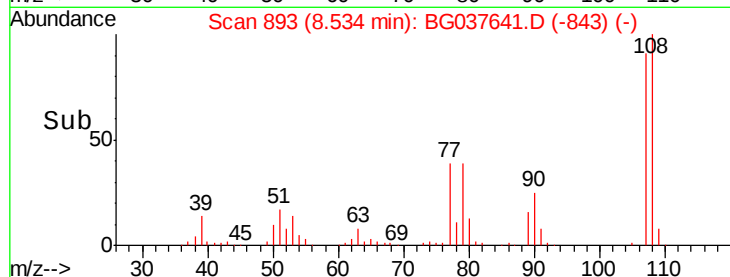
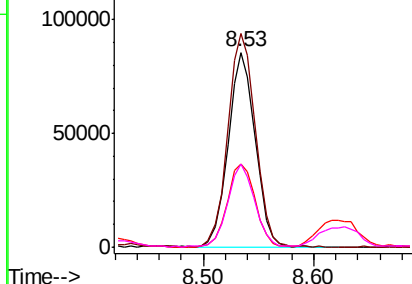
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

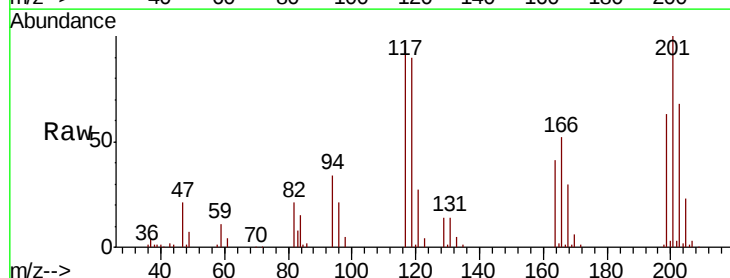
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 39.056 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 56618 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.0  | 74.6  | 111.8 |
| 201      | 106.1 | 80.8  | 121.2 |

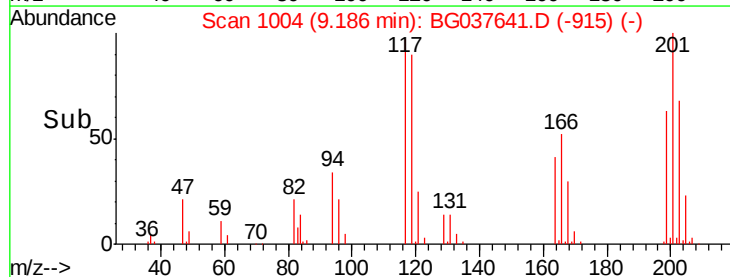
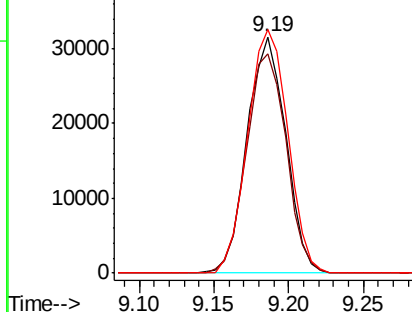


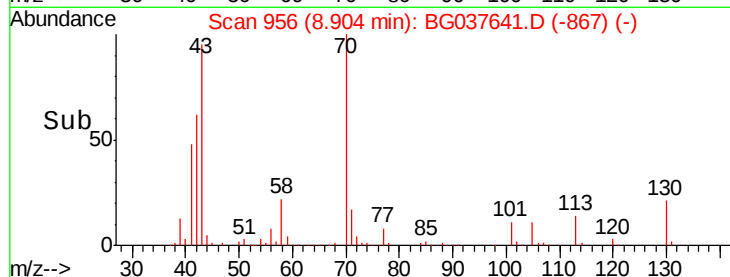
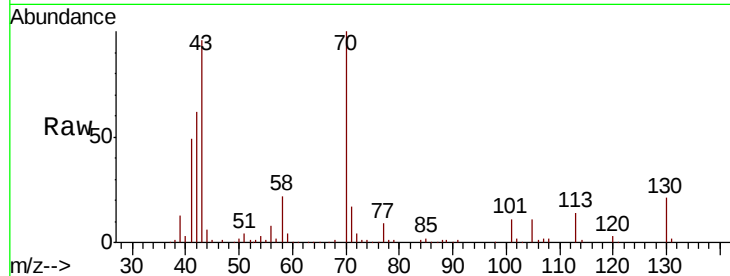
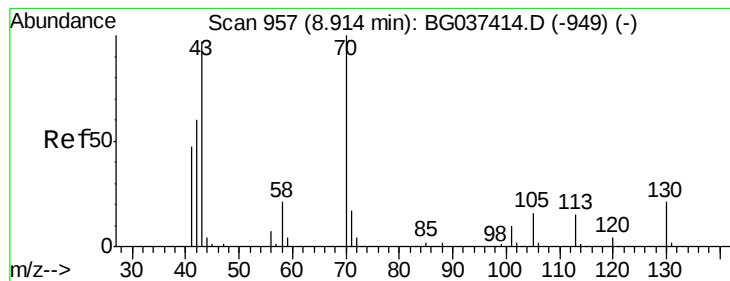
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 37.234 ng

RT: 8.90 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleID :

PB114209BS

Tot Ion: 70 Resp: 123752

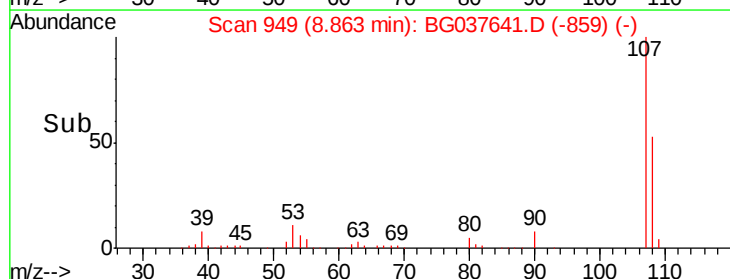
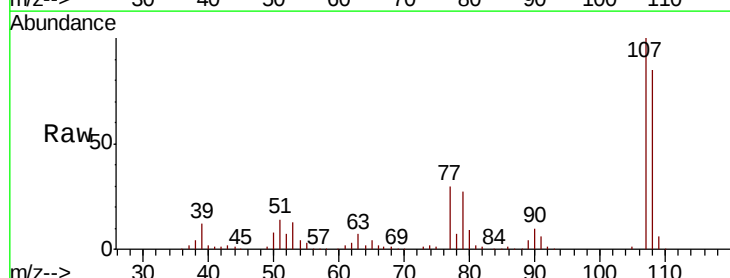
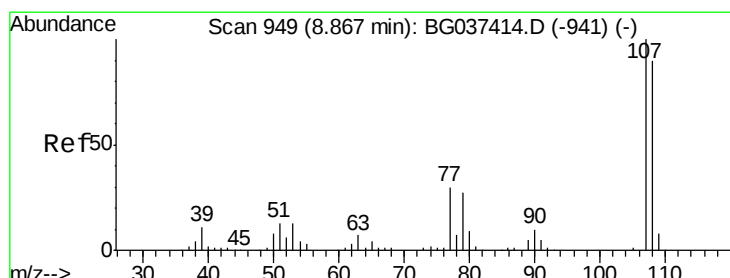
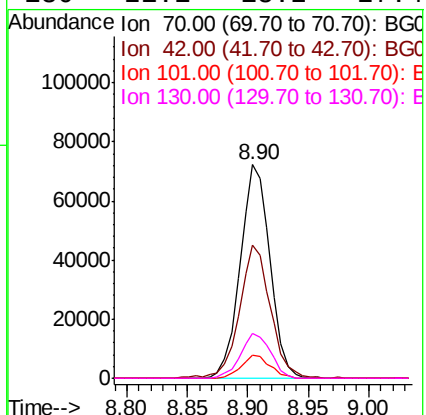
Ion Ratio Lower Upper

70 100

42 62.5 53.9 80.9

101 10.5 8.2 12.2

130 21.1 18.2 27.4



#20

3+4-Methylphenols

Concen: 42.787 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Tgt Ion: 107 Resp: 205958

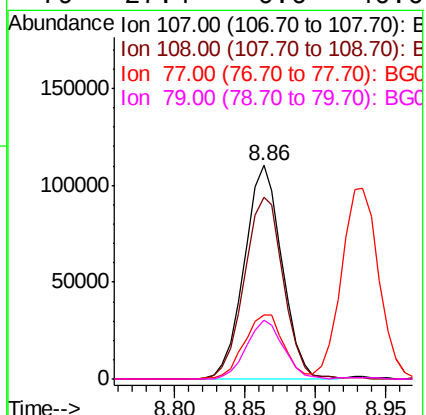
Ion Ratio Lower Upper

107 100

108 85.4 69.9 109.9

77 30.1 11.2 51.2

79 27.4 6.6 46.6

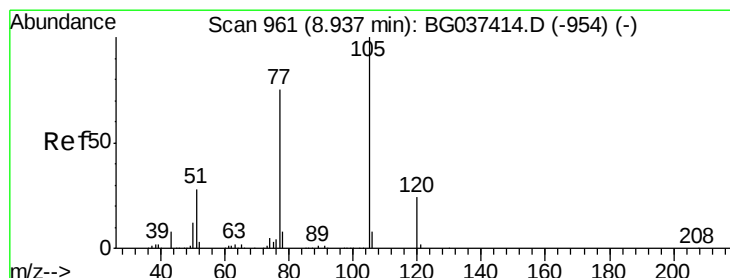
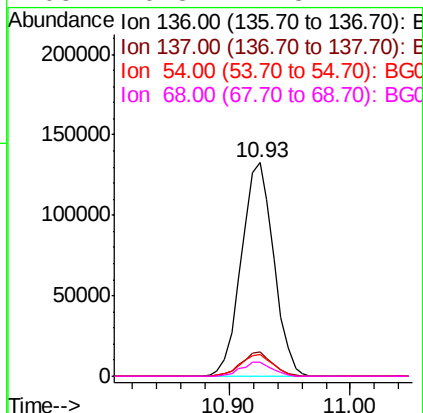
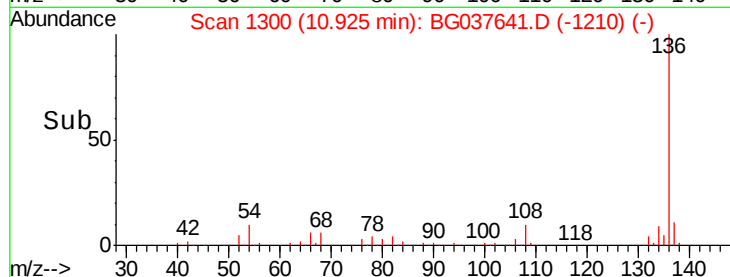
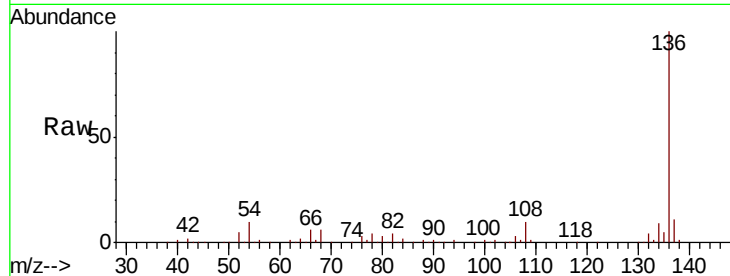




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

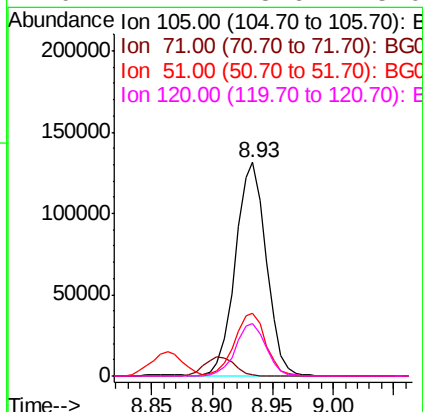
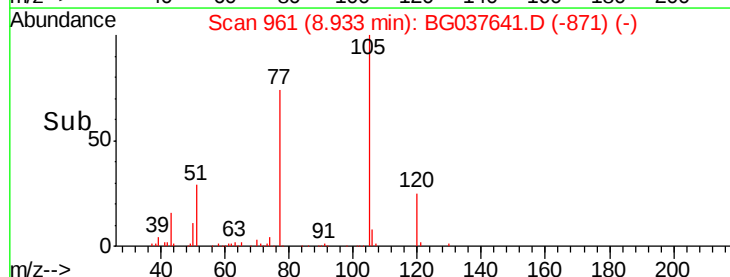
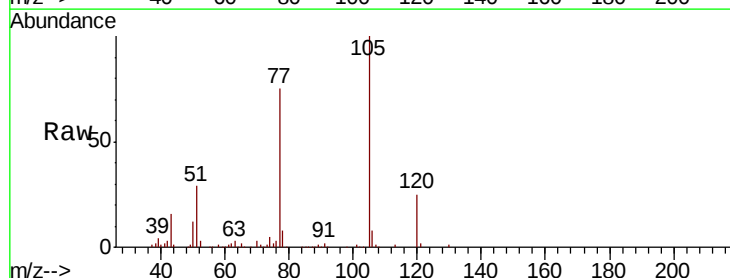
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

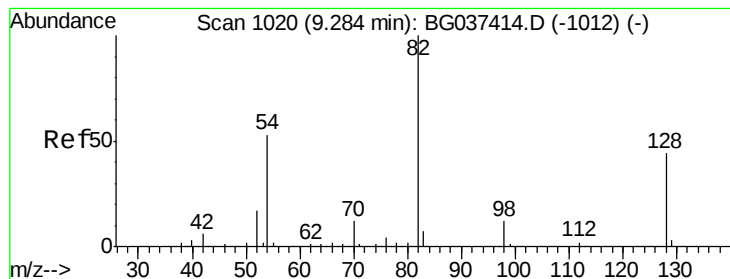
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 247081   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 9.6 14.4 |
| 54          | 10.1  | 7.9 11.9 |
| 68          | 6.3   | 4.8 7.2  |



#22  
Acetophenone  
Concen: 37.792 ng  
RT: 8.93 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 234184    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.6   | 1.2 1.8#  |
| 51          | 29.1  | 25.0 37.6 |
| 120         | 24.7  | 18.6 28.0 |





#23

Nitrobenzene-d5

Concen: 73.286 ng

RT: 9.28 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

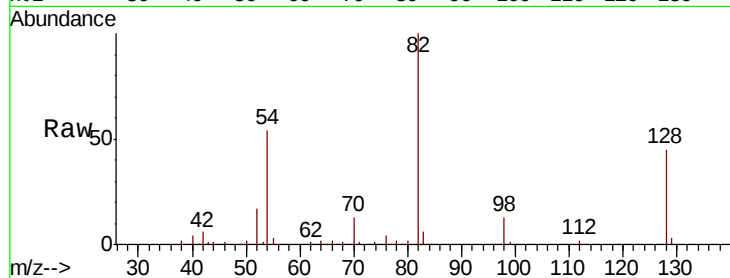
Tot Ion: 82 Resp: 323241

Ion Ratio Lower Upper

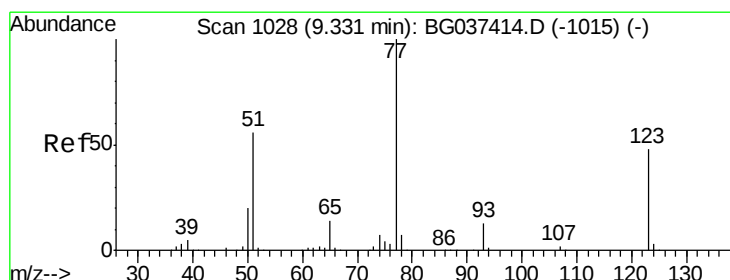
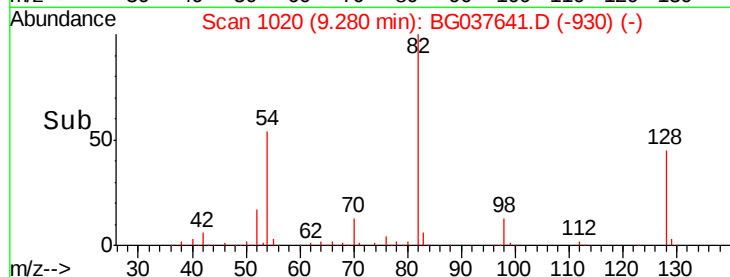
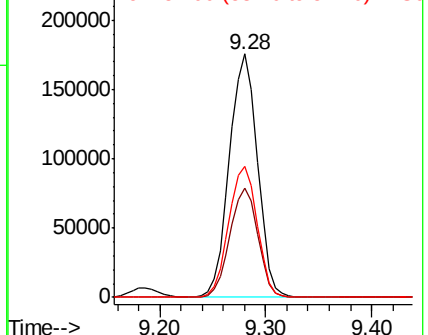
82 100

128 44.8 34.6 51.8

54 53.9 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: 39.037 ng

RT: 9.32 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

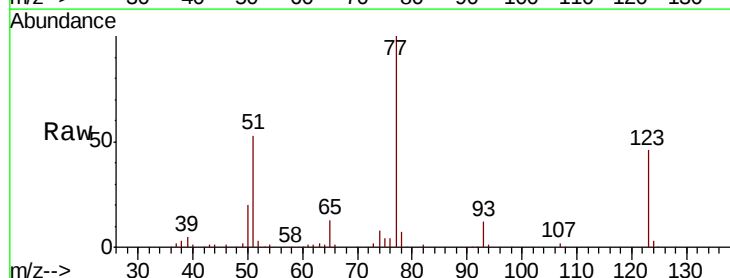
Tgt Ion: 77 Resp: 178869

Ion Ratio Lower Upper

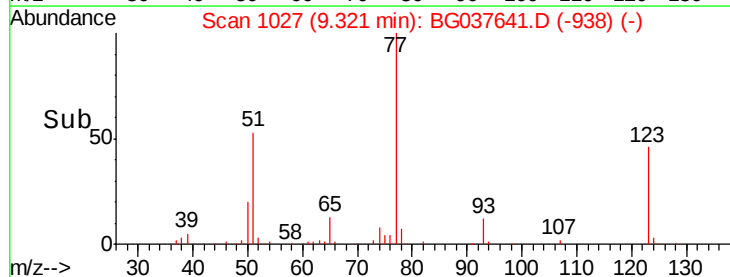
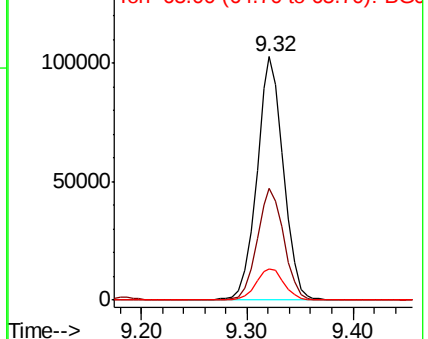
77 100

123 45.8 33.6 50.4

65 13.0 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

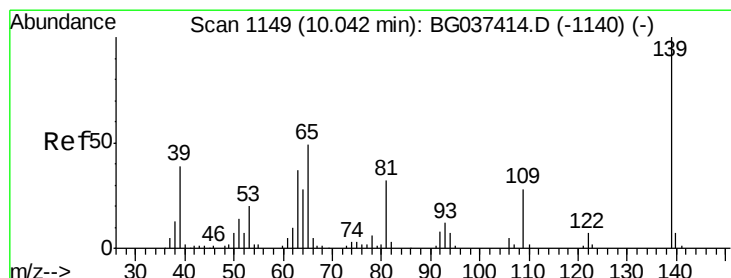
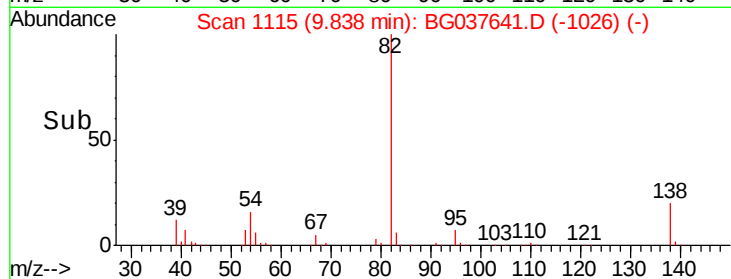
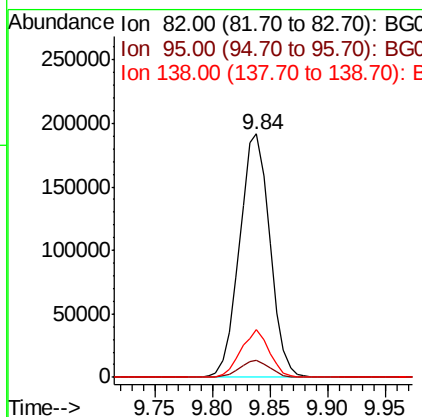
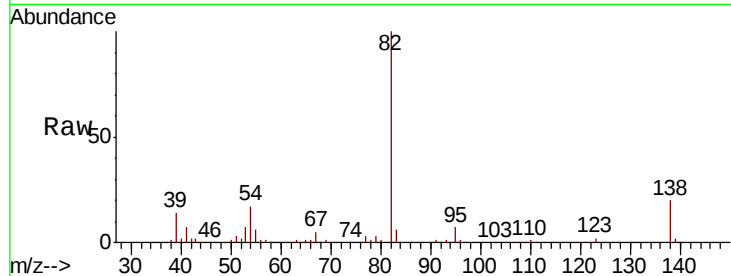




#25  
Isophorone  
Concen: 43.465 ng  
RT: 9.84 min Scan# 1115  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

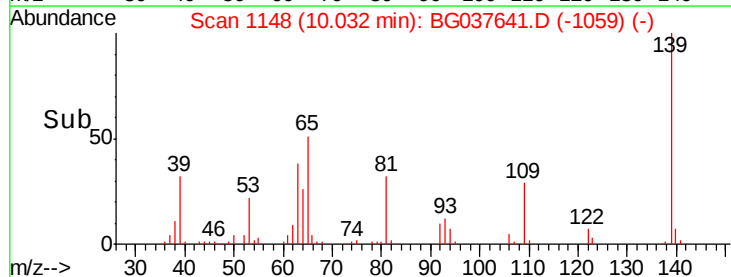
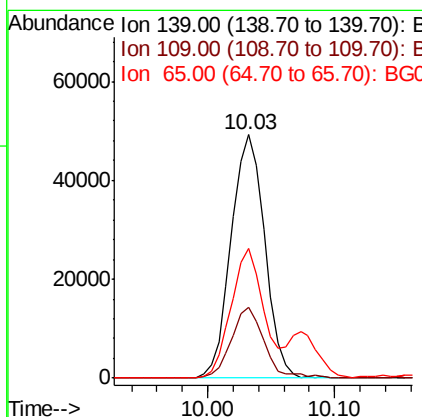
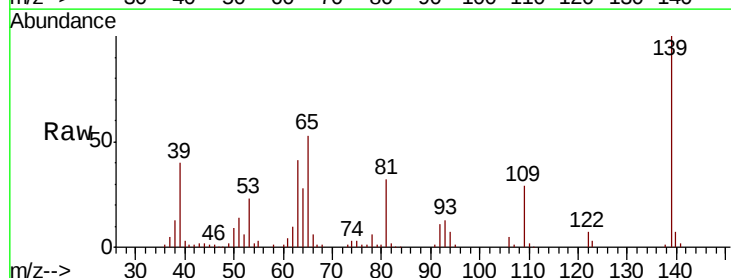
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

Tot Ion: 82 Resp: 350287  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.3 7.9  
138 19.7 13.3 19.9



#26  
2-Nitrophenol  
Concen: 43.668 ng  
RT: 10.03 min Scan# 1148  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion: 139 Resp: 90138  
Ion Ratio Lower Upper  
139 100  
109 29.2 23.3 34.9  
65 53.2 39.8 59.8

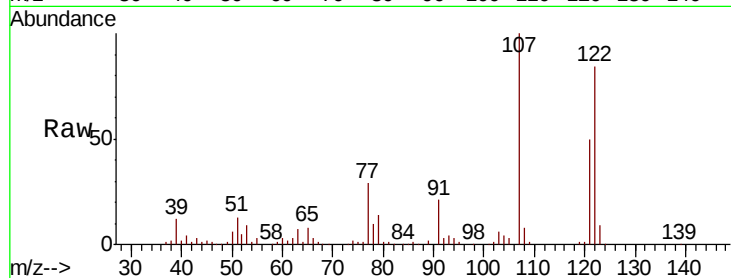




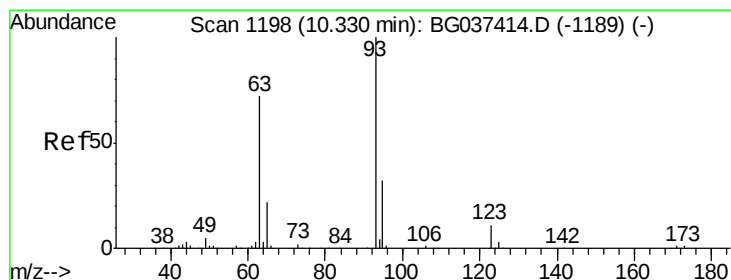
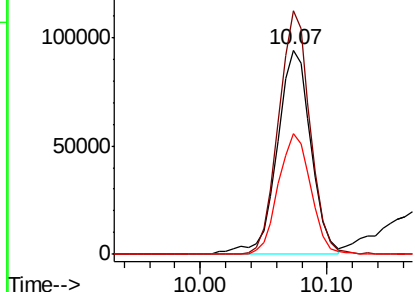
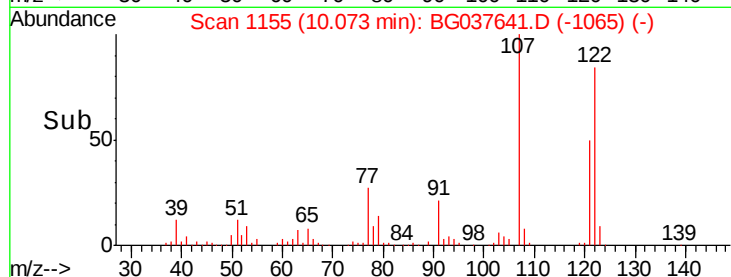
#27  
 2,4-Dimethylphenol  
 Concen: 47.184 ng  
 RT: 10.07 min Scan# 1155  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB114209BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 119.3 | 94.2  | 141.2 |
| 121     | 59.3  | 47.3  | 70.9  |

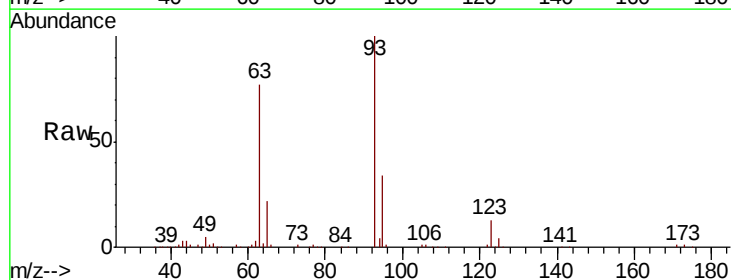


Abundance Ion 122.00 (121.70 to 122.70): E  
 Ion 107.00 (106.70 to 107.70): E  
 Ion 121.00 (120.70 to 121.70): E

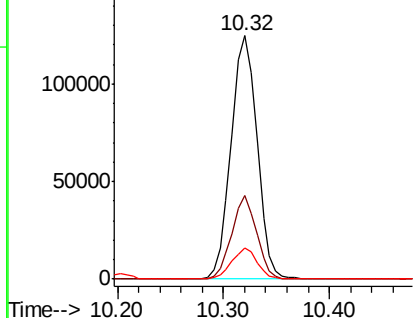
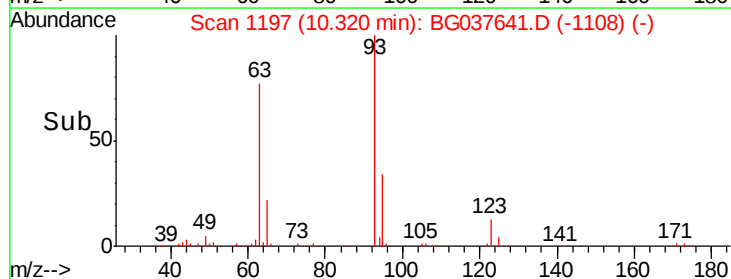


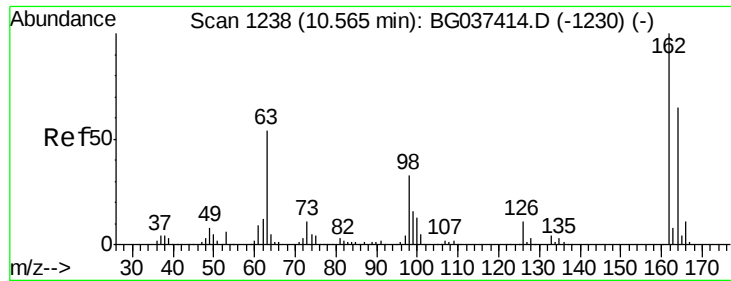
#28  
 bis(2-Chloroethoxy)methane  
 Concen: 40.091 ng  
 RT: 10.32 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 34.5  | 24.6  | 37.0  |
| 123     | 12.7  | 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

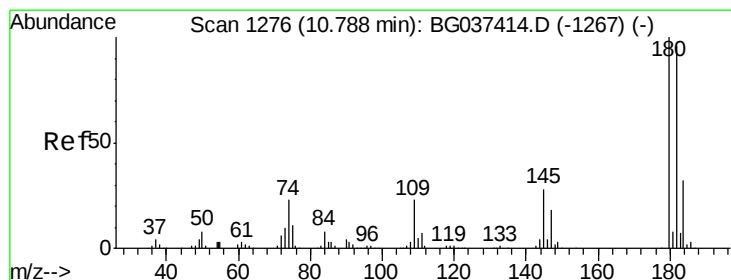
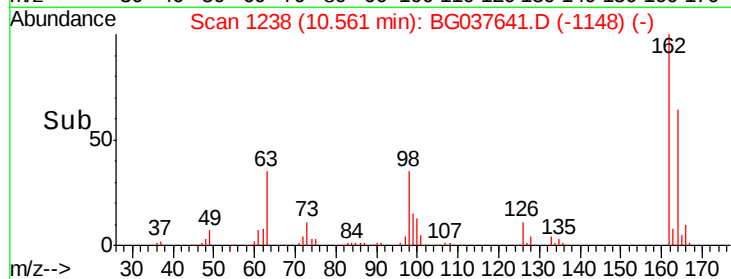
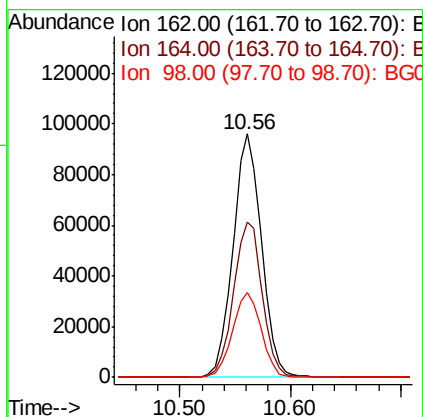
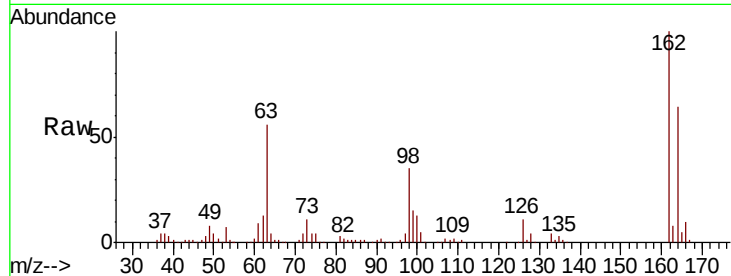




#29  
 2,4-Dichlorophenol  
 Concen: 42.402 ng  
 RT: 10.56 min Scan# 1238  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

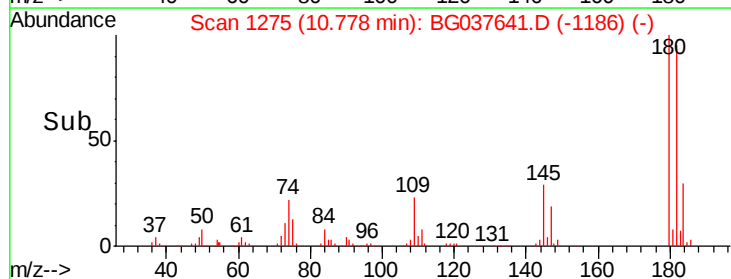
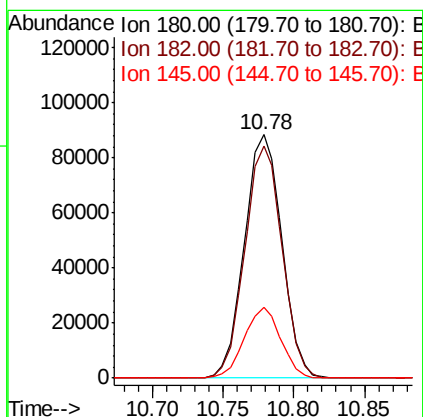
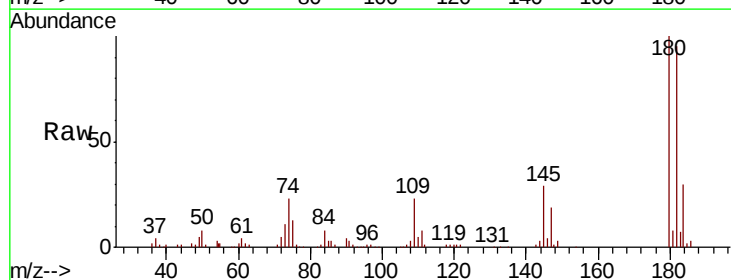
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

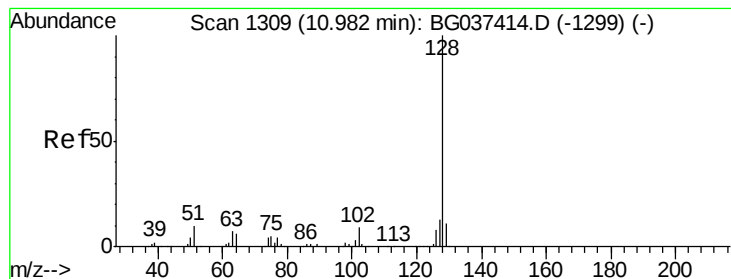
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.6  | 43.2  | 83.2  |
| 98      | 34.9  | 16.0  | 56.0  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 36.836 ng  
 RT: 10.78 min Scan# 1275  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.2  | 77.7  | 116.5 |
| 145     | 29.2  | 23.3  | 34.9  |





#31

Naphthalene

Concen: 40.529 ng

RT: 10.97 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

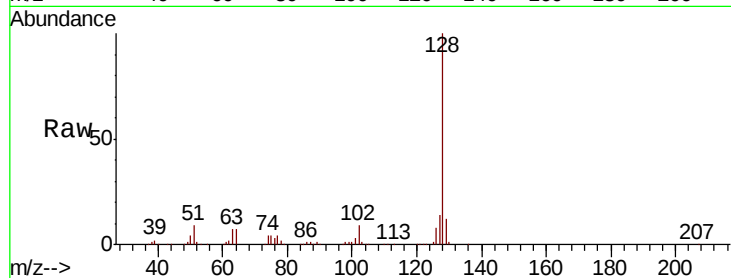
Tot Ion:128 Resp: 491862

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

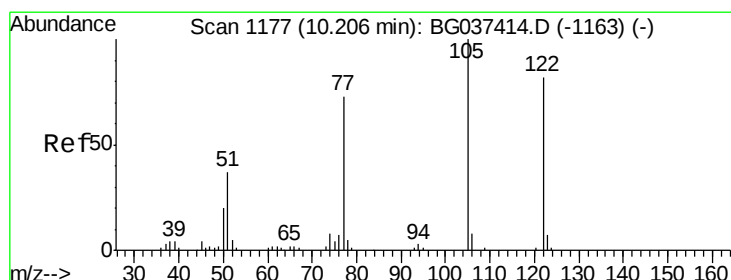
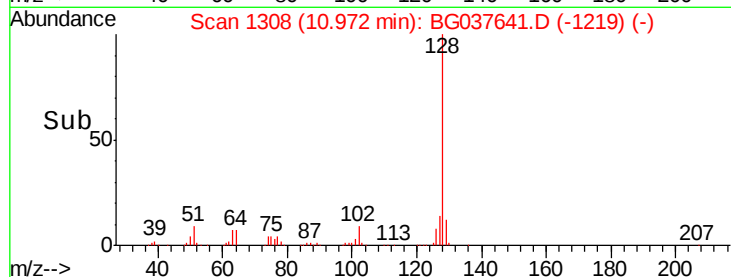
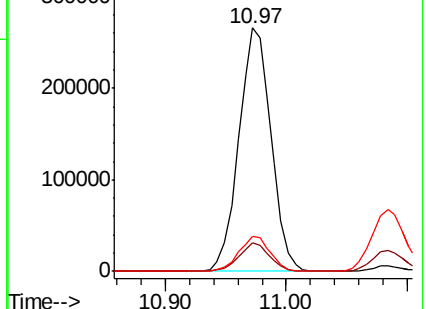
127 14.4 11.1 16.7



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: 49.780 ng

RT: 10.20 min Scan# 1177

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

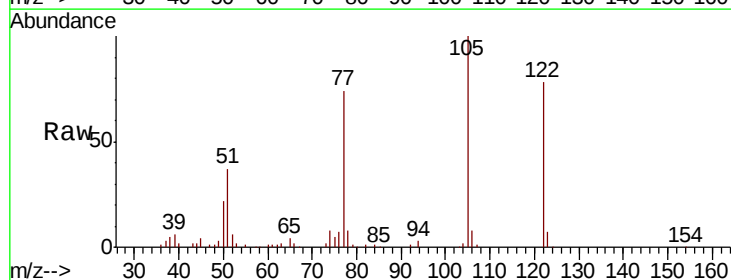
Tgt Ion:122 Resp: 119163

Ion Ratio Lower Upper

122 100

105 128.8 106.7 146.7

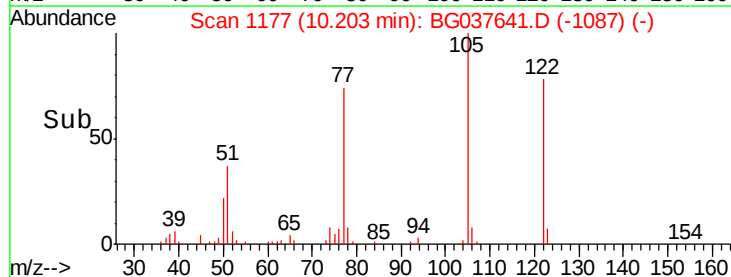
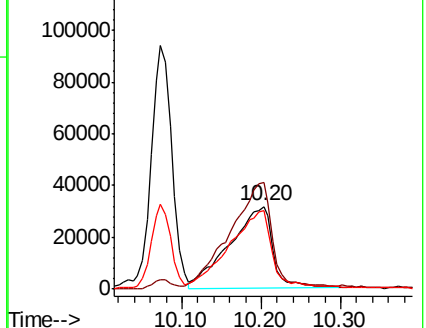
77 95.6 72.2 112.2



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): BGO

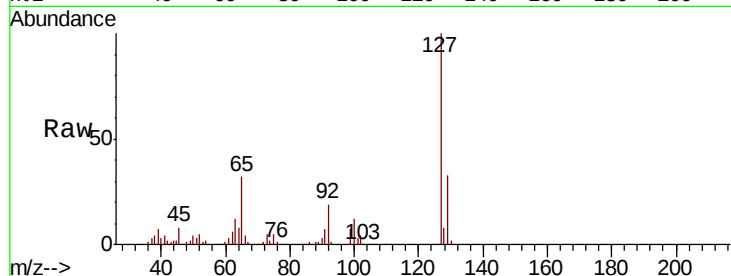




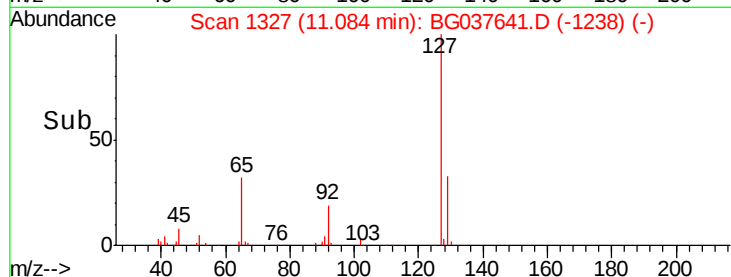
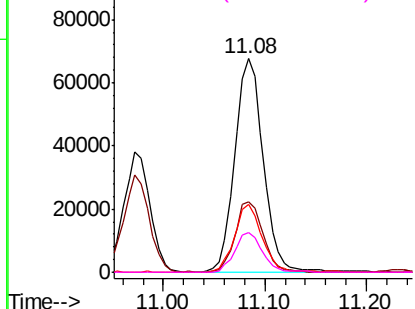
#33  
4-Chloroaniline  
Concen: 23.132 ng  
RT: 11.08 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 131905 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.2  | 27.1  | 40.7   |
| 65       | 32.1  | 26.6  | 39.8   |
| 92       | 18.6  | 16.4  | 24.6   |

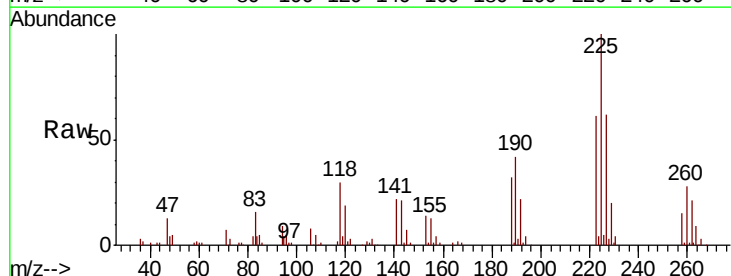


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGO  
Ion 92.00 (91.70 to 92.70): BGO

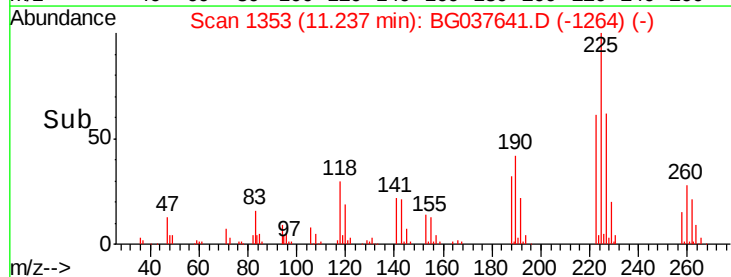
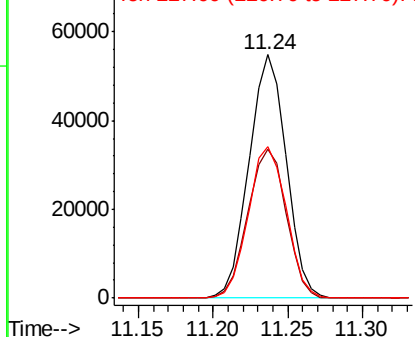


#34  
Hexachlorobutadiene  
Concen: 35.777 ng  
RT: 11.24 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 94623 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 57.9  | 48.2  | 72.4  |
| 227      | 62.1  | 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: 40.458 ng

RT: 11.87 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

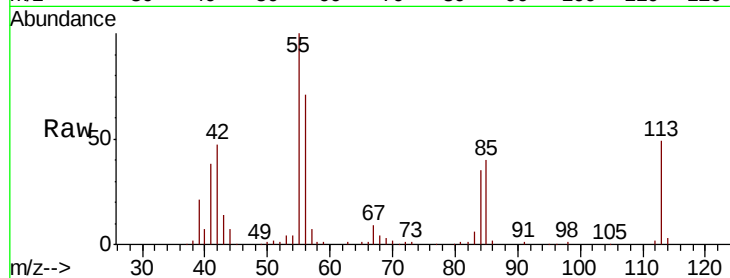
Tot Ion:113 Resp: 66584

Ion Ratio Lower Upper

113 100

55 204.7 176.6 216.6

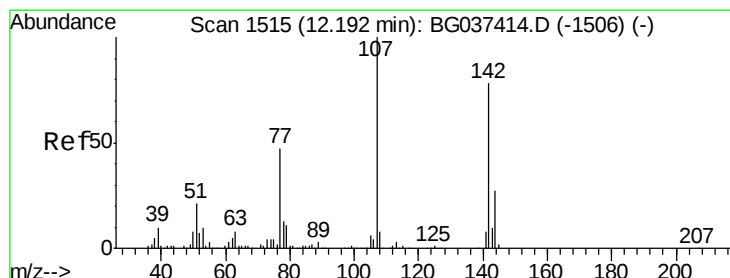
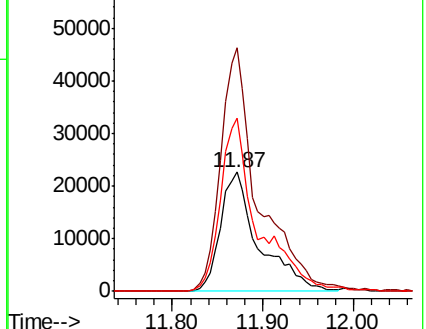
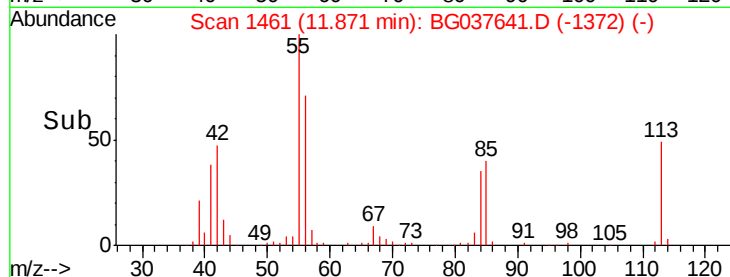
56 145.5 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 42.170 ng

RT: 12.19 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

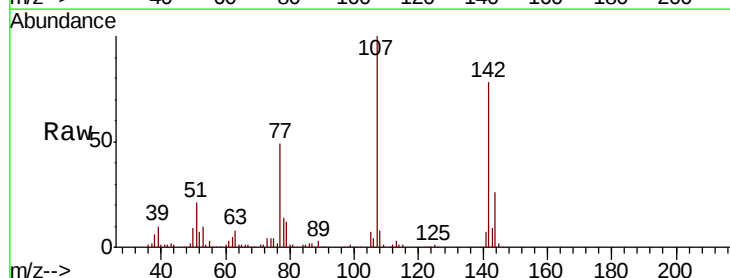
Tgt Ion:107 Resp: 195155

Ion Ratio Lower Upper

107 100

144 26.4 20.7 31.1

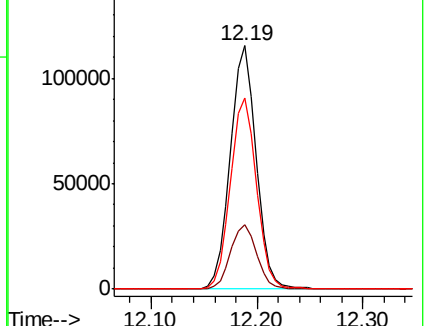
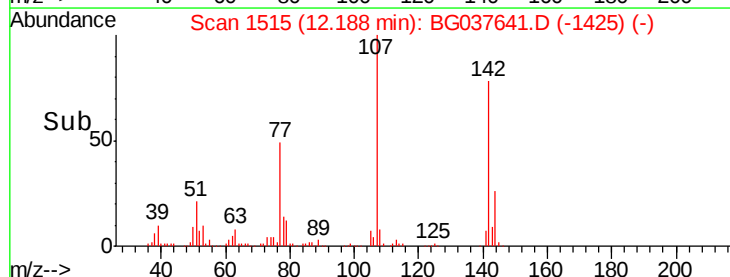
142 78.3 64.4 96.6

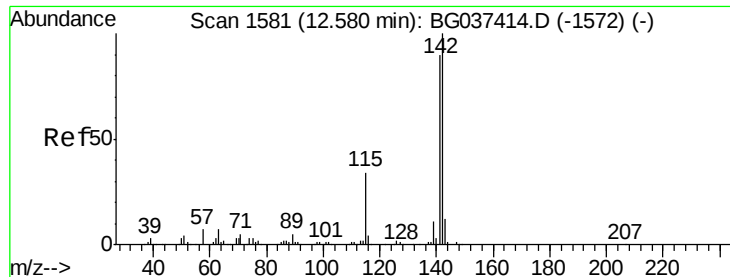


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 43.082 ng

RT: 12.57 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

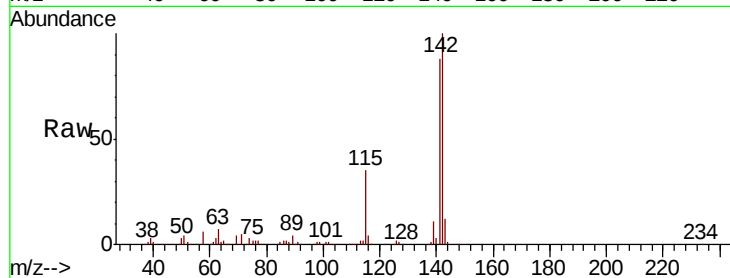
Tot Ion:142 Resp: 381133

Ion Ratio Lower Upper

142 100

141 88.3 71.9 107.9

115 34.7 27.8 41.8

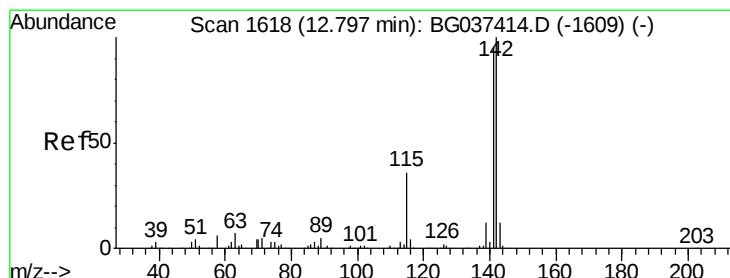
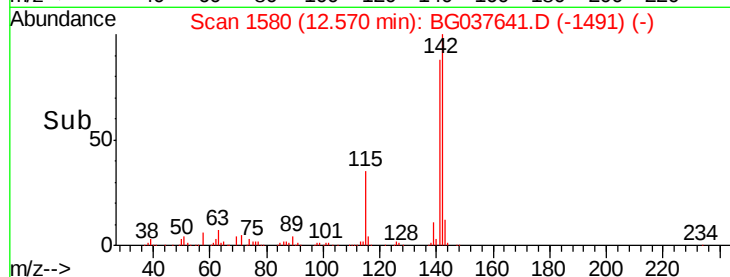
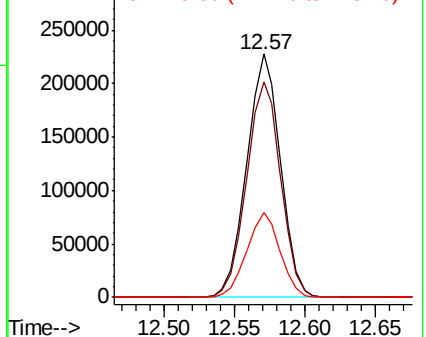


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.103 ng

RT: 12.79 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

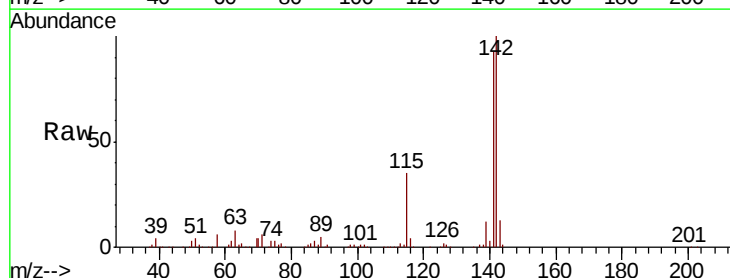
Tgt Ion:142 Resp: 361724

Ion Ratio Lower Upper

142 100

141 92.7 75.2 112.8

116 3.6 3.3 4.9

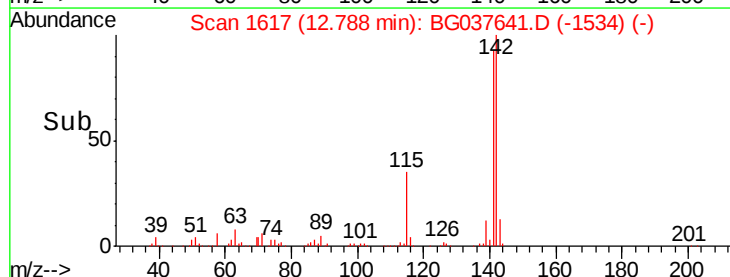
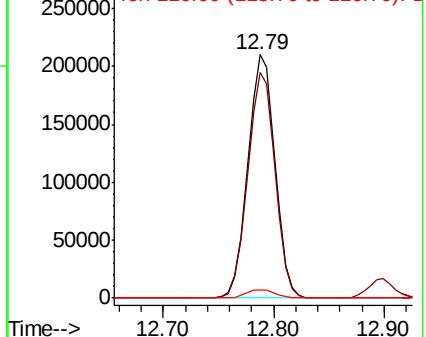


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

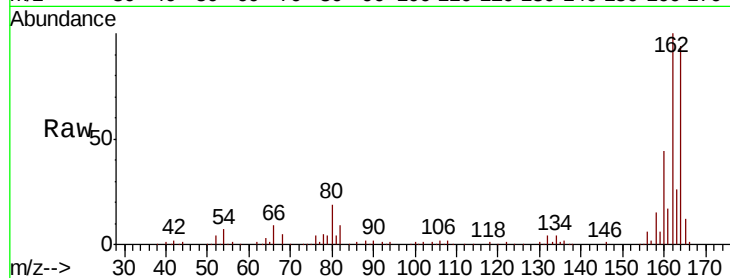
Tot Ion:164 Resp: 164106

Ion Ratio Lower Upper

164 100

162 106.5 81.3 121.9

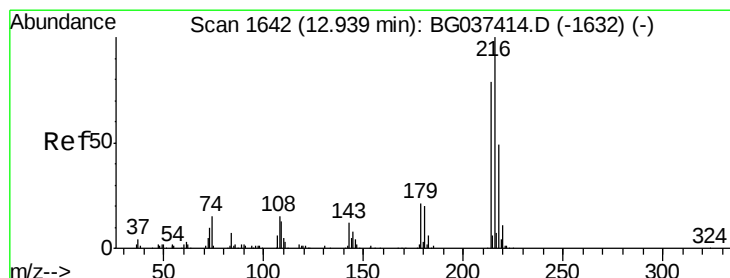
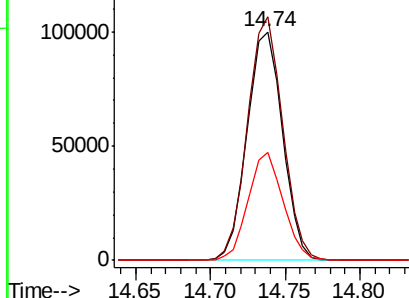
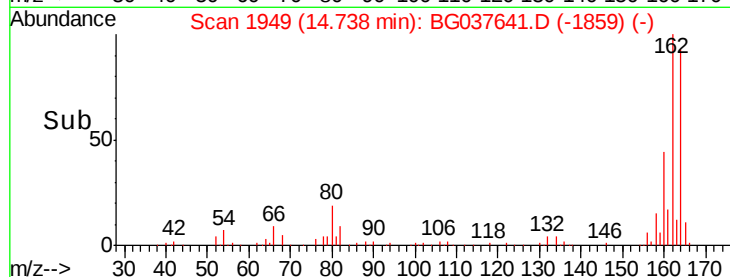
160 47.0 36.3 54.5



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: 36.397 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Tgt Ion:216 Resp: 192660

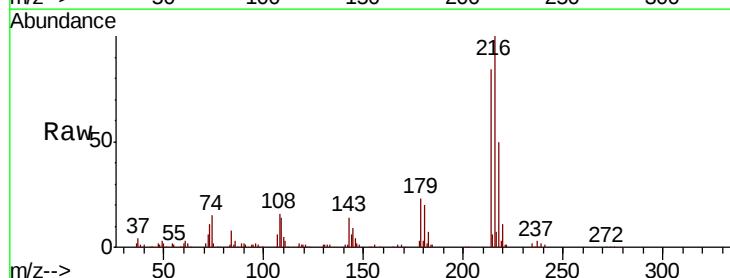
Ion Ratio Lower Upper

216 100

214 80.7 63.8 95.6

179 21.5 17.4 26.0

108 19.5 13.9 20.9

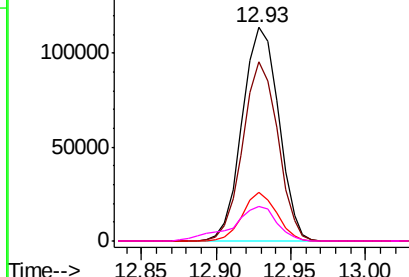
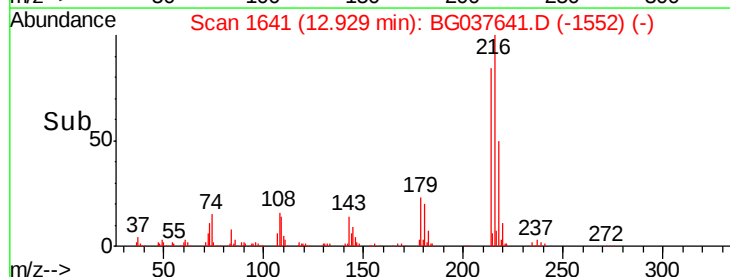


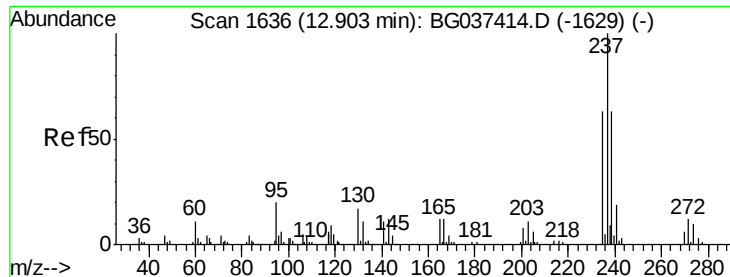
Abundance Ion 216.00 (215.70 to 216.70): E

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

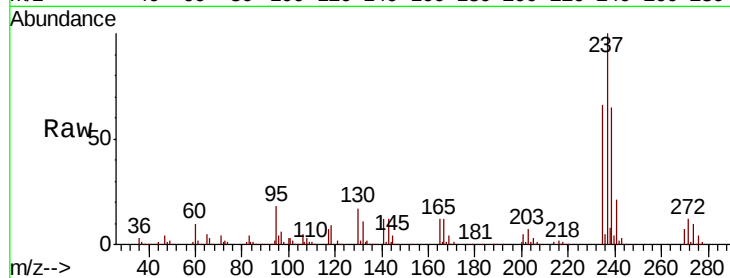




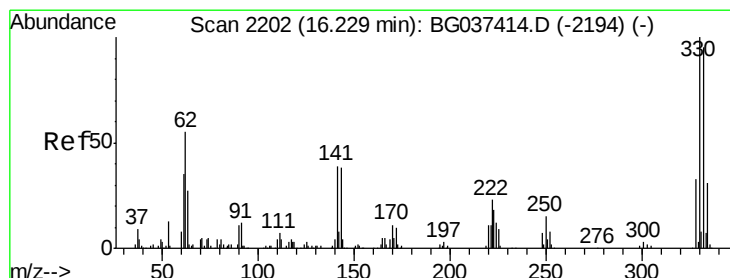
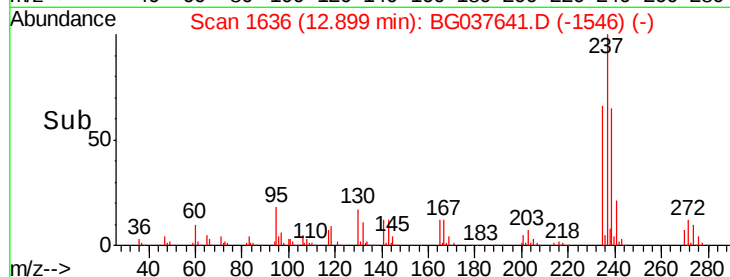
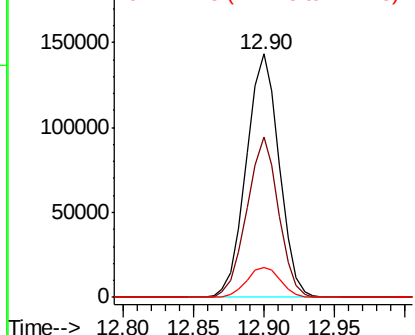
#41  
Hexachlorocyclopentadiene  
Concen: 92.693 ng  
RT: 12.90 min Scan# 1636  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

Tot Ion:237 Resp: 234371  
Ion Ratio Lower Upper  
237 100  
235 65.7 42.5 82.5  
272 12.3 0.0 31.6

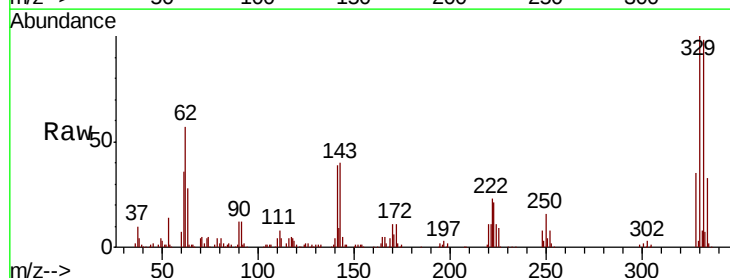


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

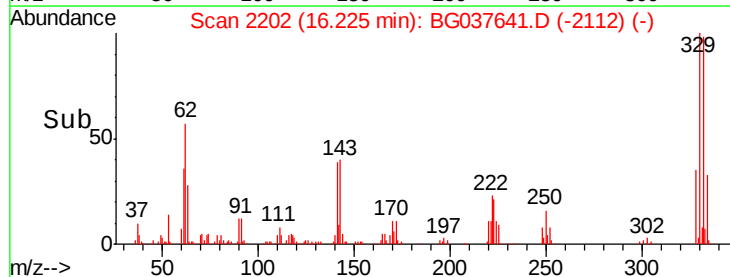
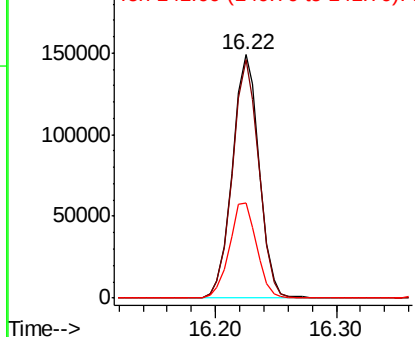


#42  
2,4,6-Tribromophenol  
Concen: 128.661 ng  
RT: 16.22 min Scan# 2202  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion:330 Resp: 230289  
Ion Ratio Lower Upper  
330 100  
332 97.0 78.4 117.6  
141 39.7 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

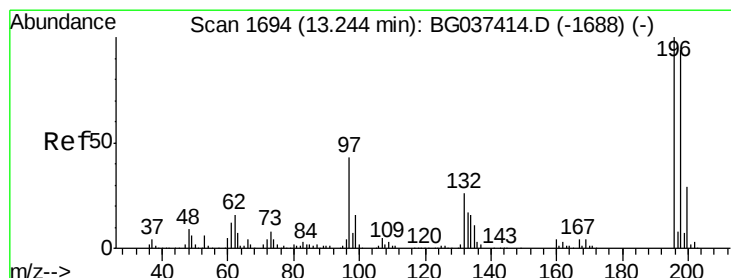
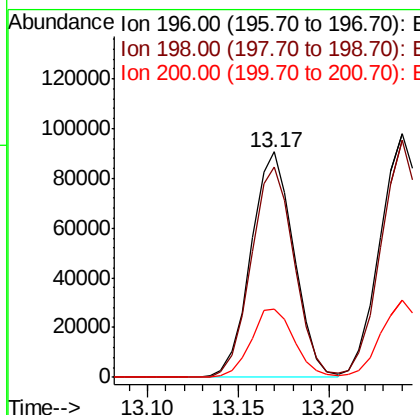
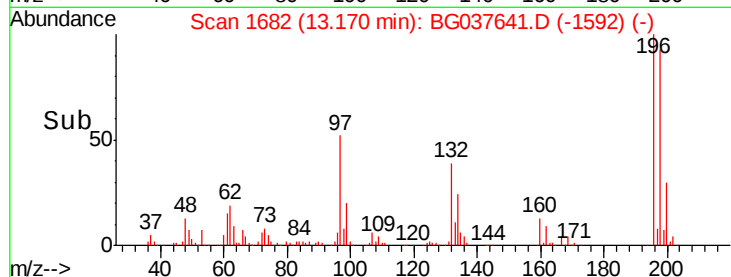
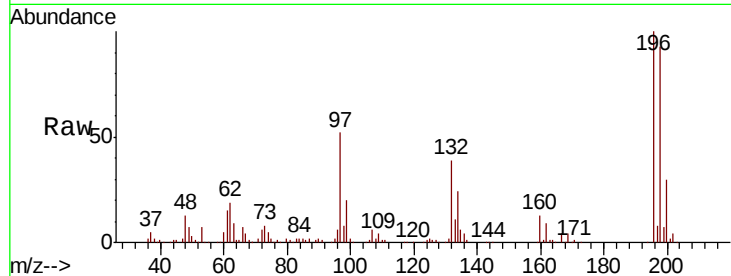




#43  
 2,4,6-Trichlorophenol  
 Concen: 42.024 ng  
 RT: 13.17 min Scan# 1682  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

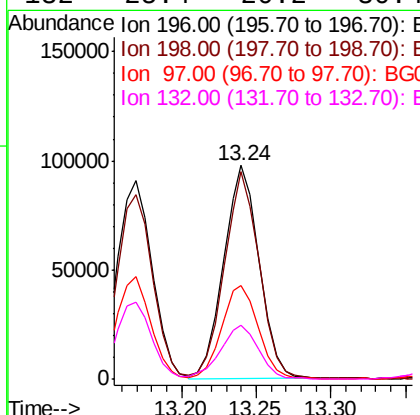
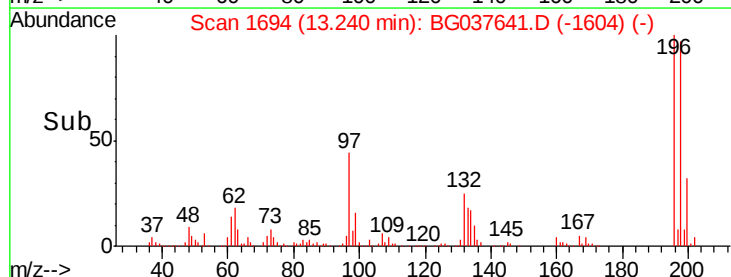
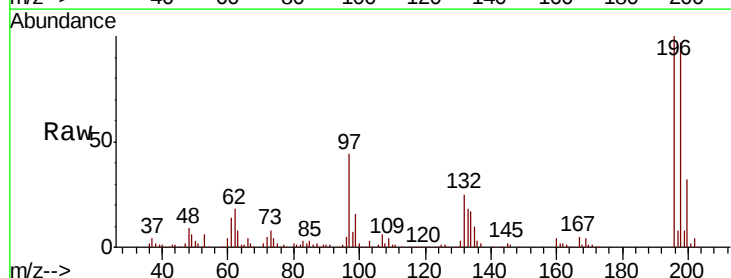
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

Tot Ion:196 Resp: 148612  
 Ion Ratio Lower Upper  
 196 100  
 198 93.3 76.4 114.6  
 200 30.3 24.9 37.3



#44  
 2,4,5-Trichlorophenol  
 Concen: 42.115 ng  
 RT: 13.24 min Scan# 1694  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Tgt Ion:196 Resp: 162155  
 Ion Ratio Lower Upper  
 196 100  
 198 97.3 74.2 111.2  
 97 44.0 34.1 51.1  
 132 25.4 20.2 30.4

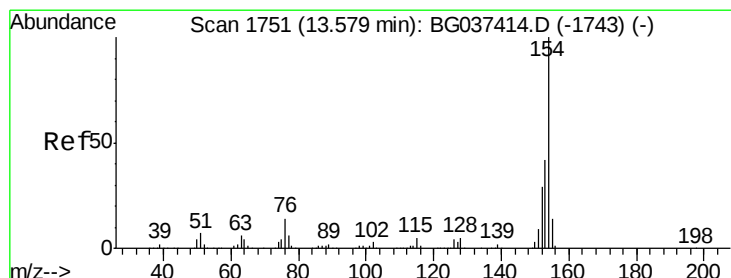
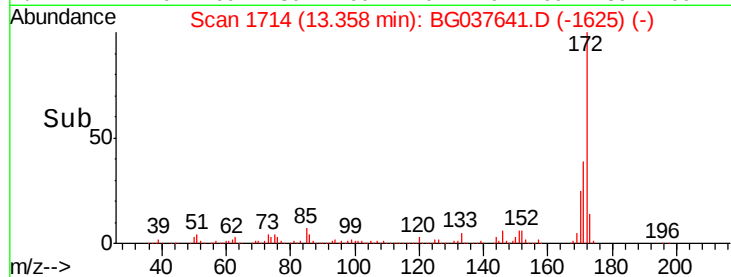
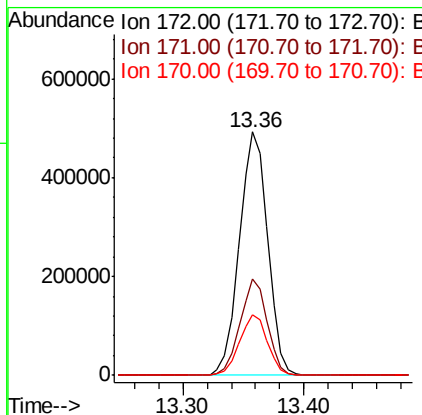
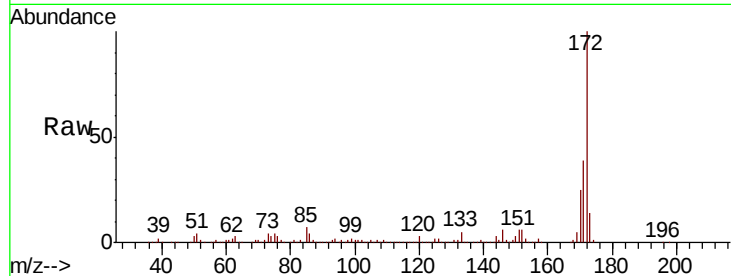




#45  
 2-Fluorobiphenyl  
 Concen: 73.740 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

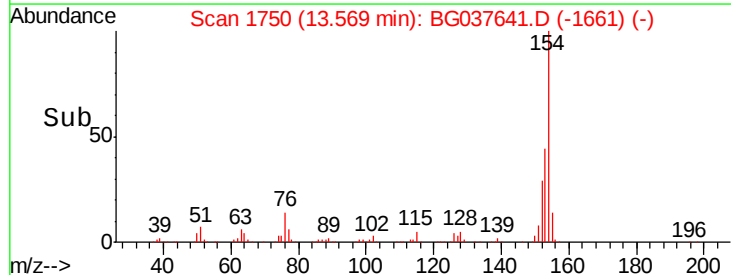
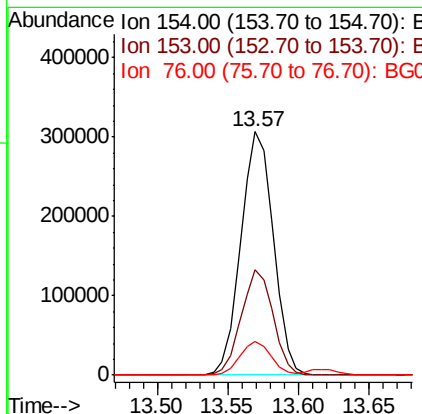
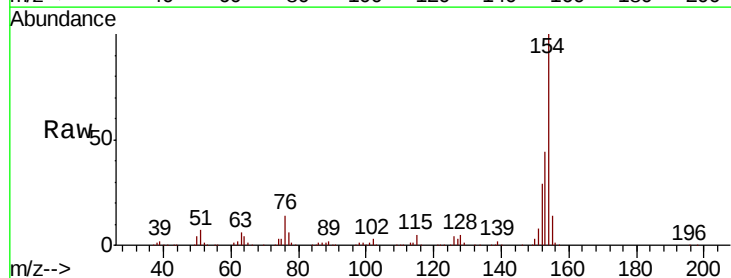
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.4  | 31.0  | 46.4  |
| 170     | 24.9  | 20.2  | 30.2  |



#46  
 1,1'-Biphenyl  
 Concen: 36.370 ng  
 RT: 13.57 min Scan# 1750  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.5  | 22.1  | 62.1  |
| 76      | 13.9  | 0.0   | 33.2  |

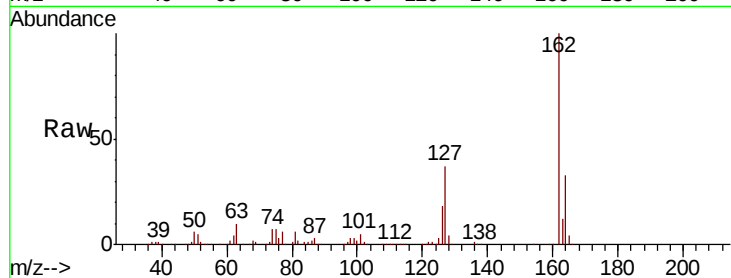




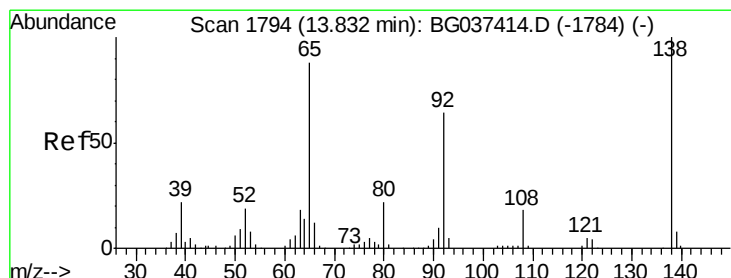
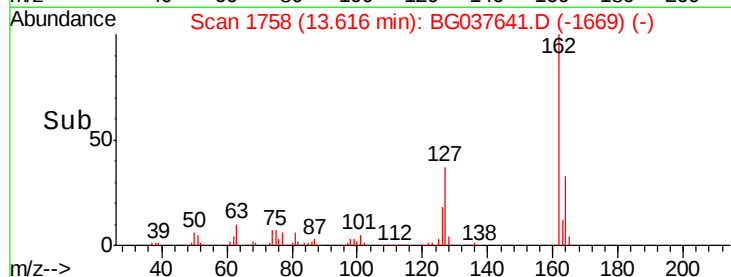
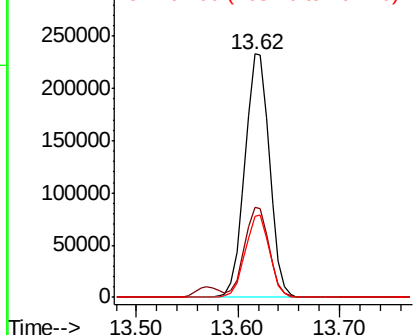
#47  
 2-Chloronaphthalene  
 Concen: 38.077 ng  
 RT: 13.62 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.0  | 30.5  | 45.7  |
| 164     | 33.4  | 26.4  | 39.6  |

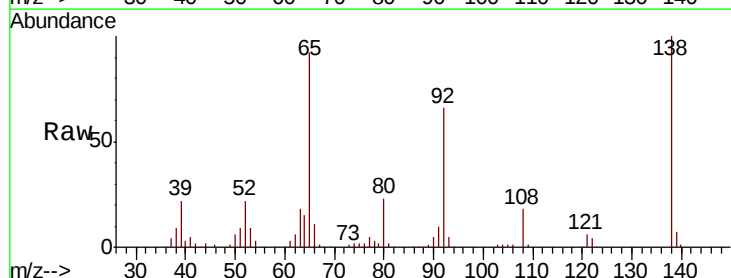


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

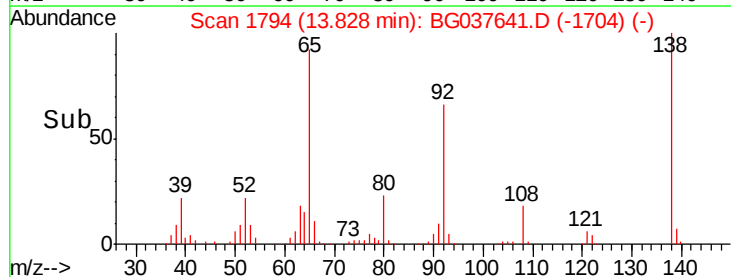
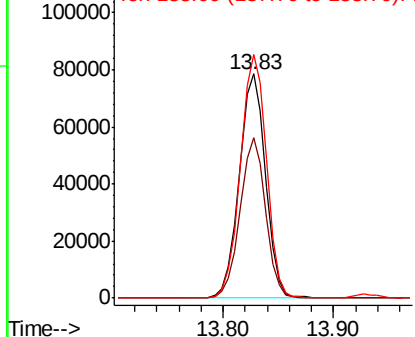


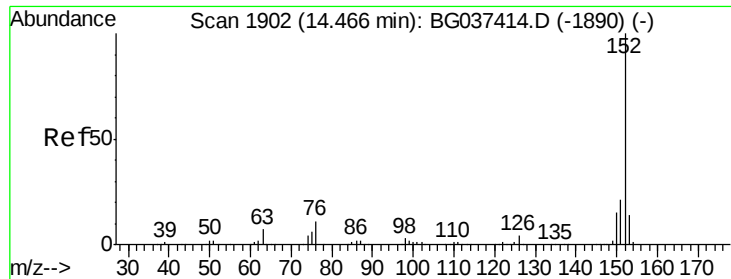
#48  
 2-Nitroaniline  
 Concen: 42.239 ng  
 RT: 13.83 min Scan# 1794  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 71.9  | 53.2  | 79.8  |
| 138     | 108.7 | 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: 42.442 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

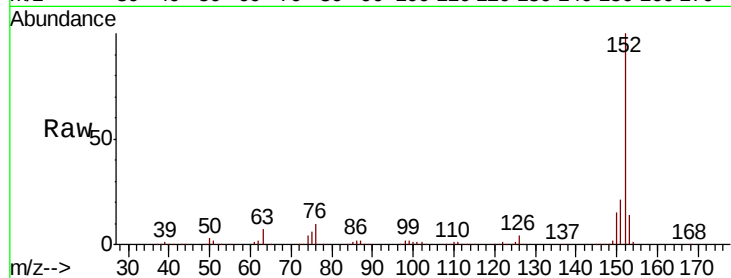
Tot Ion:152 Resp: 656445

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

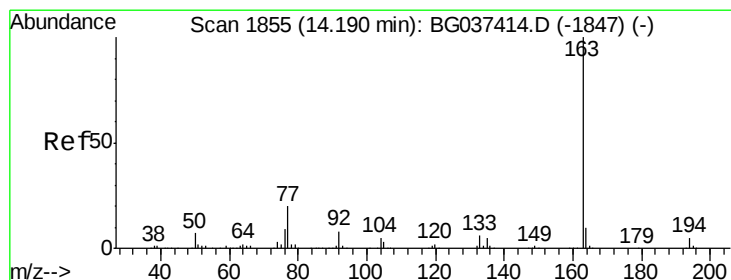
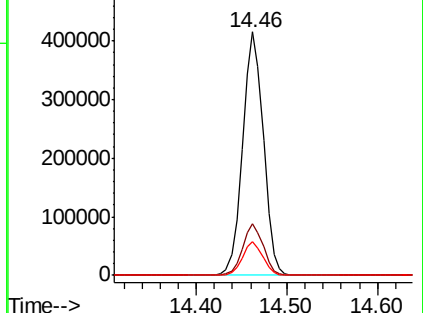
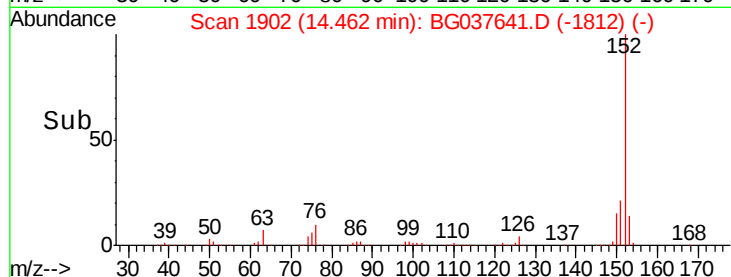
153 13.6 11.1 16.7



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: 40.117 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

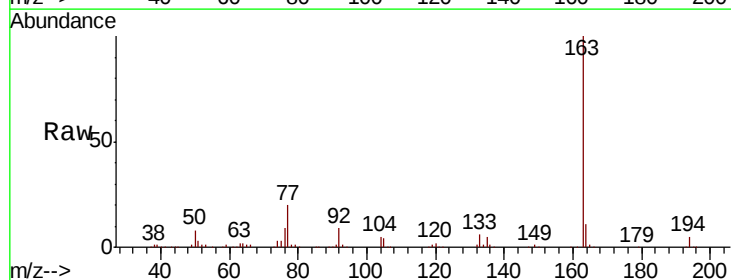
Tgt Ion:163 Resp: 509304

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

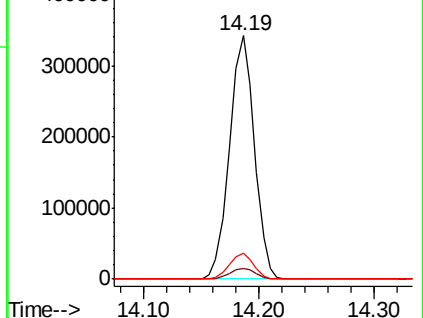
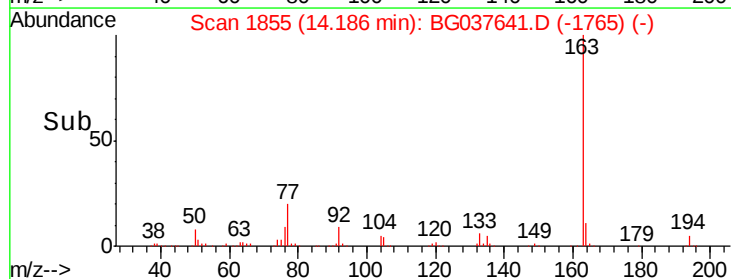
164 10.8 8.5 12.7

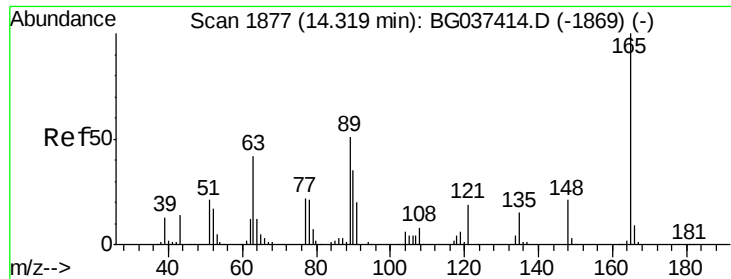


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.347 ng

RT: 14.32 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

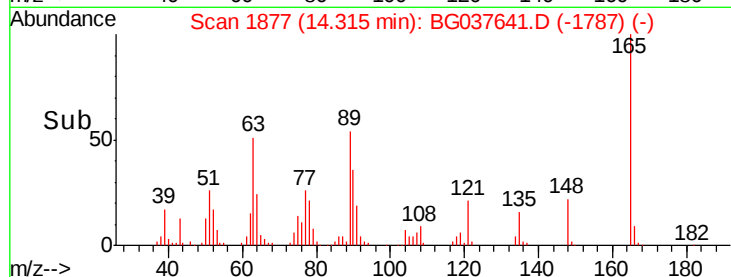
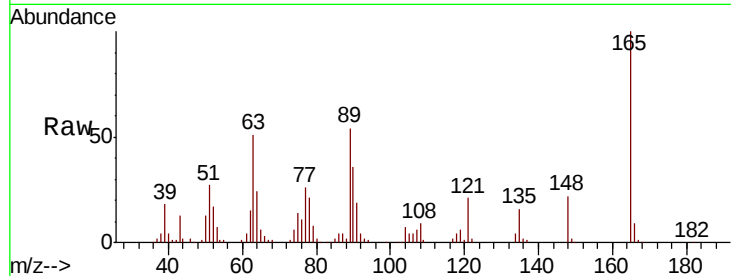
Tot Ion:165 Resp: 116123

Ion Ratio Lower Upper

165 100

63 50.5 43.4 65.2

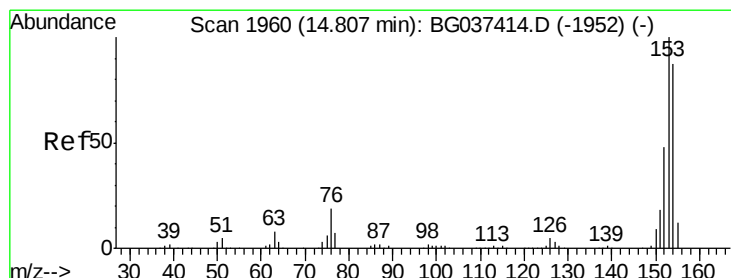
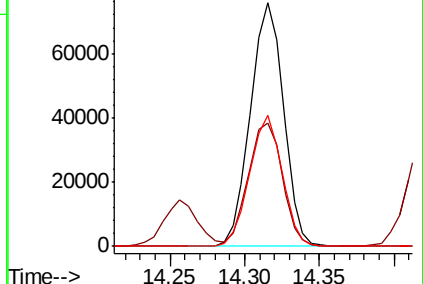
89 54.0 45.8 68.6



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG037641.D (-1787) (-)

Ion 89.00 (88.70 to 89.70): BG037641.D (-1787) (-)



#52

Acenaphthene

Concen: 39.785 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

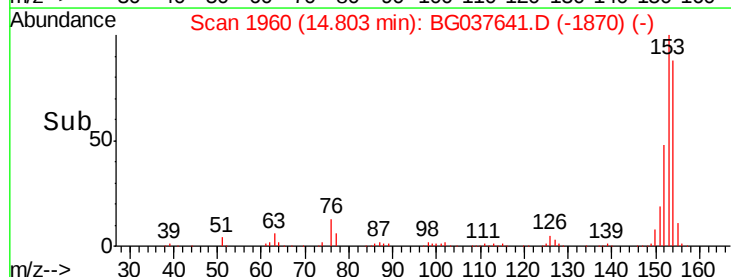
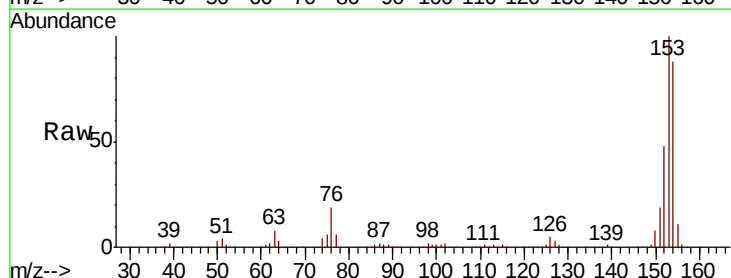
Tgt Ion:154 Resp: 378975

Ion Ratio Lower Upper

154 100

153 113.2 93.4 140.0

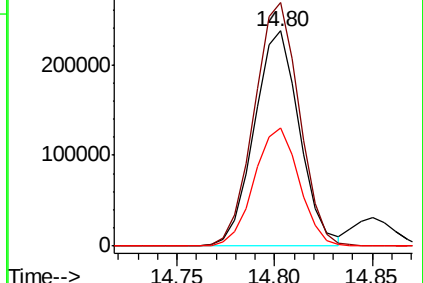
152 54.7 44.7 67.1

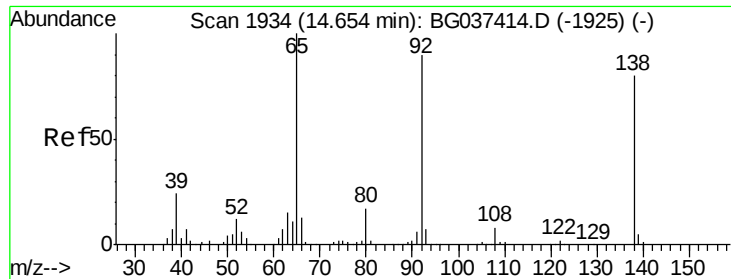


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

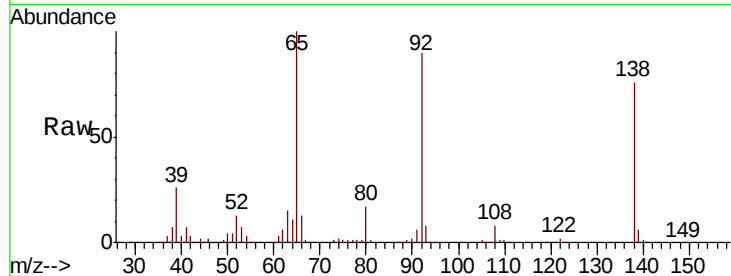




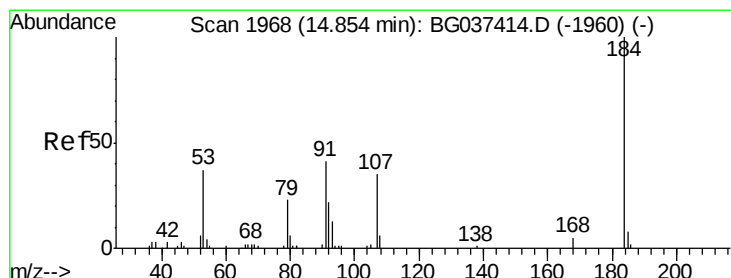
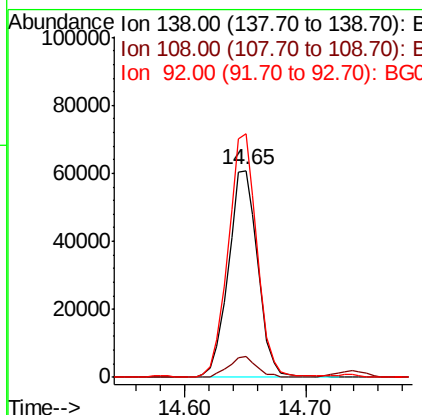
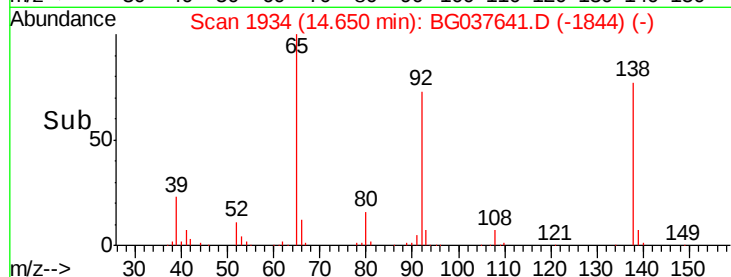
#53  
 3-Nitroaniline  
 Concen: 33.041 ng  
 RT: 14.65 min Scan# 1934  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

Tot Ion:138 Resp: 103016  
 Ion Ratio Lower Upper  
 138 100  
 108 10.3 11.0 16.6#  
 92 117.8 95.2 142.8

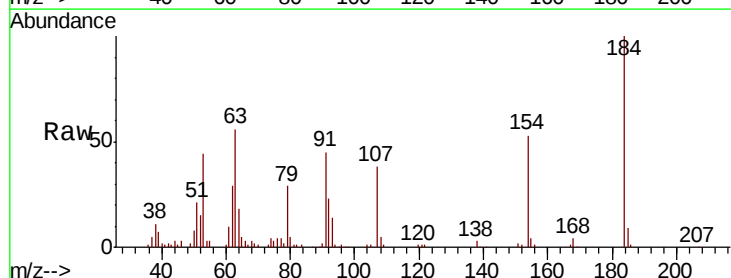


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): E

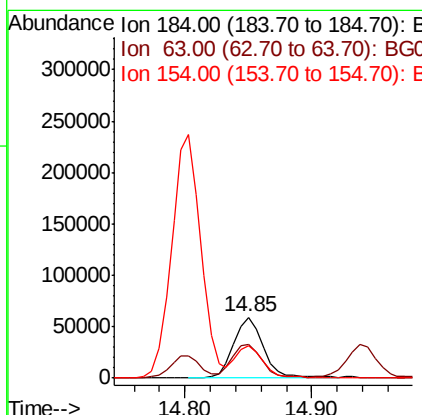
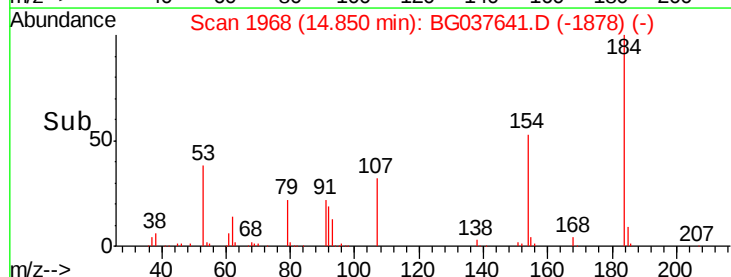


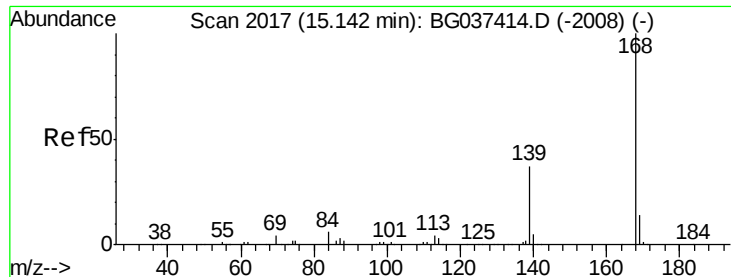
#54  
 2,4-Dinitrophenol  
 Concen: 78.382 ng  
 RT: 14.85 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Tgt Ion:184 Resp: 96403  
 Ion Ratio Lower Upper  
 184 100  
 63 55.8 42.6 63.8  
 154 53.3 41.8 62.6



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

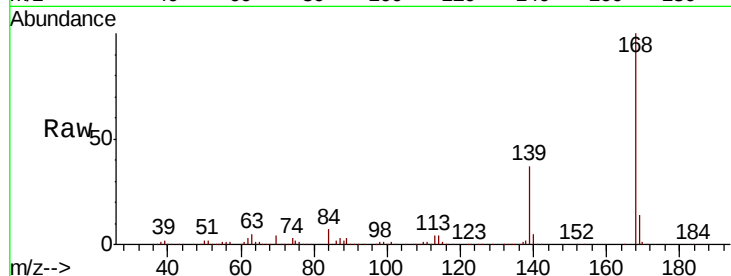




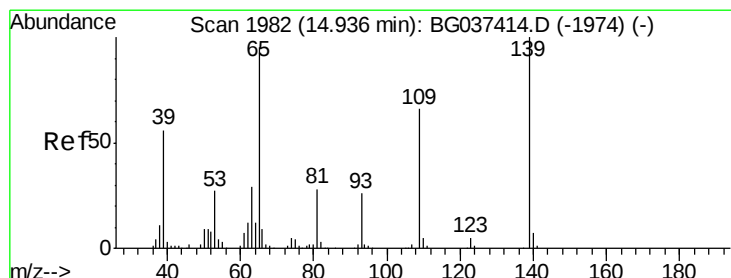
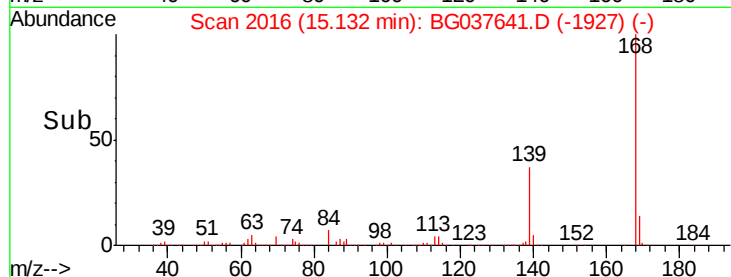
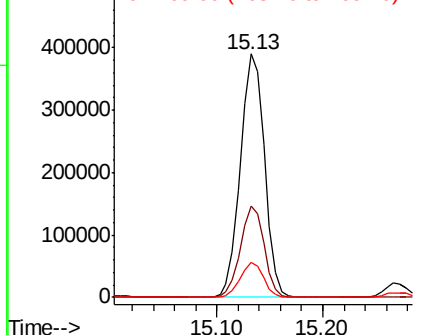
#55  
Dibenzofuran  
Concen: 38.983 ng  
RT: 15.13 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

Tot Ion:168 Resp: 615246  
Ion Ratio Lower Upper  
168 100  
139 37.5 29.4 44.0  
169 14.2 11.0 16.6

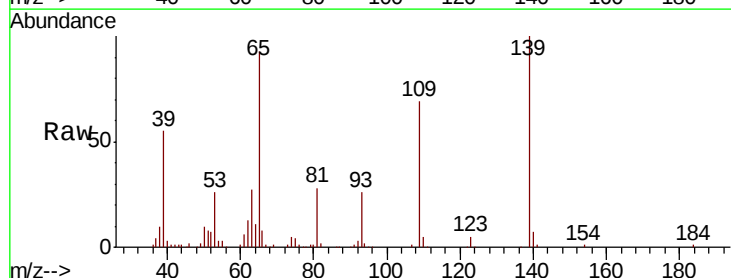


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

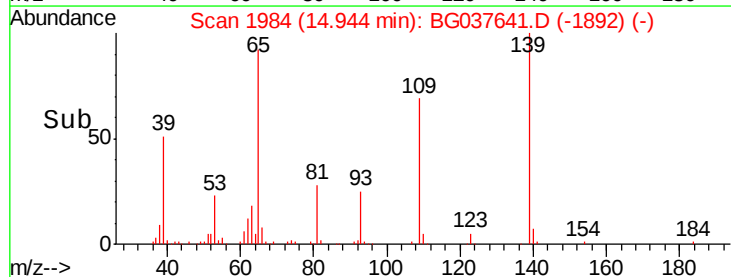
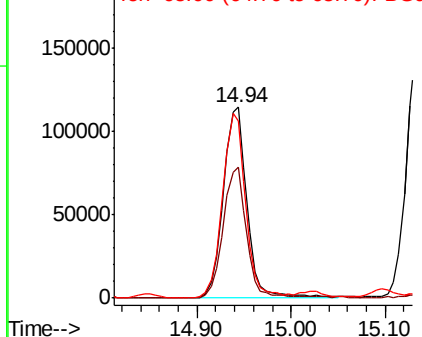


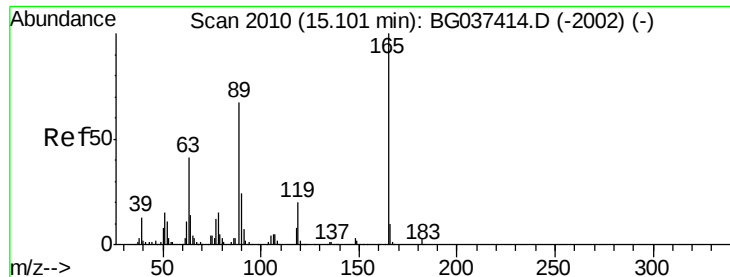
#56  
4-Nitrophenol  
Concen: 87.503 ng  
RT: 14.94 min Scan# 1984  
Delta R.T. 0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion:139 Resp: 201942  
Ion Ratio Lower Upper  
139 100  
109 68.6 49.5 89.5  
65 92.9 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): BGC

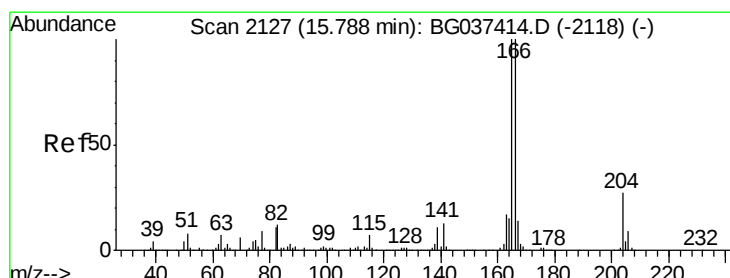
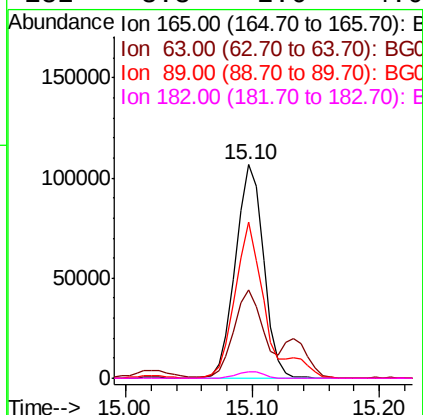
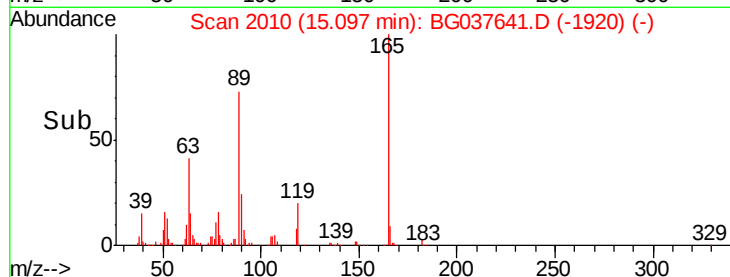
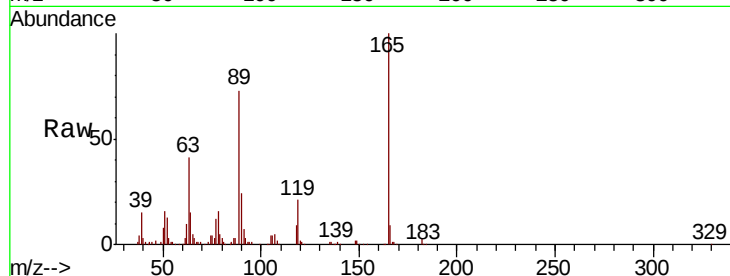




#57  
2,4-Dinitrotoluene  
Concen: 44.340 ng  
RT: 15.10 min Scan# 2010  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

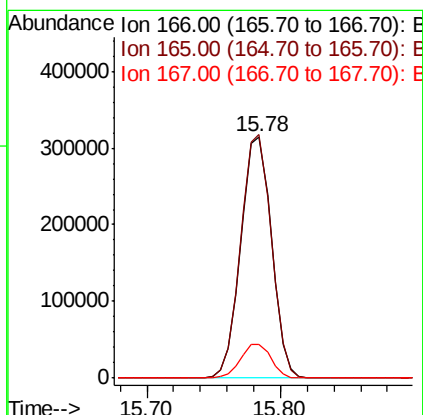
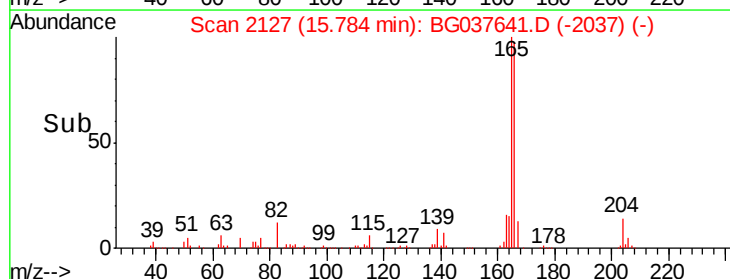
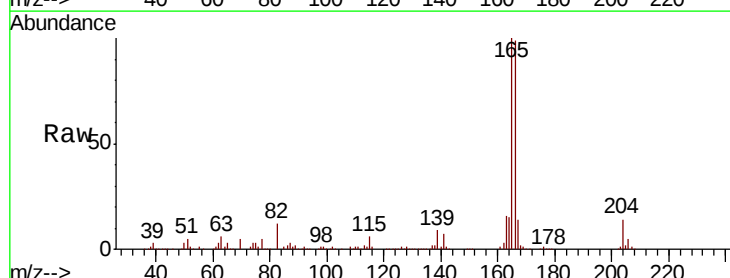
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

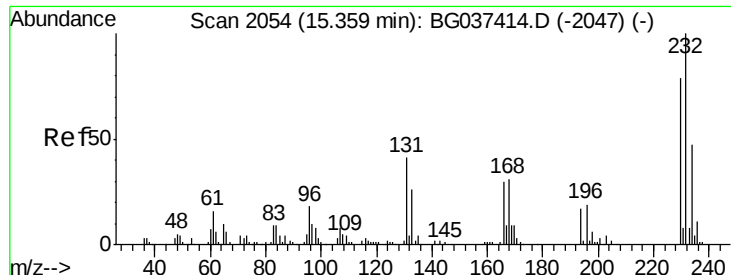
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 41.1  | 33.4  | 50.0  |
| 89      | 72.8  | 57.2  | 85.8  |
| 182     | 3.3   | 2.6   | 4.0   |



#58  
Fluorene  
Concen: 42.288 ng  
RT: 15.78 min Scan# 2127  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.9 | 79.0  | 118.6 |
| 167     | 14.1  | 11.3  | 16.9  |

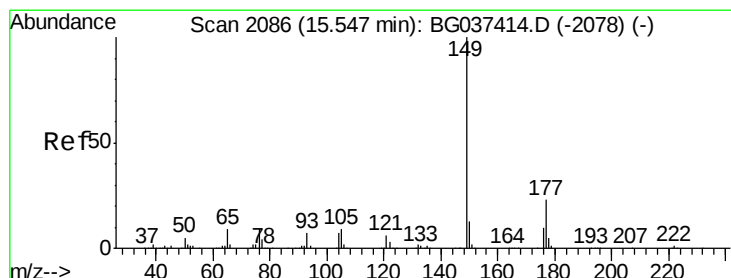
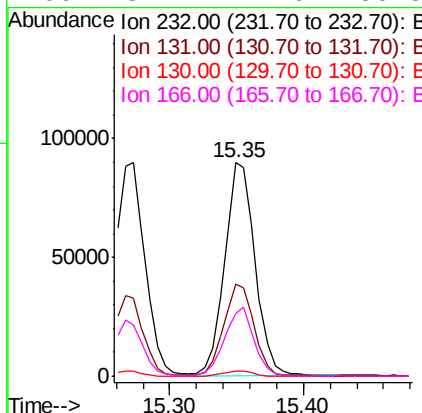
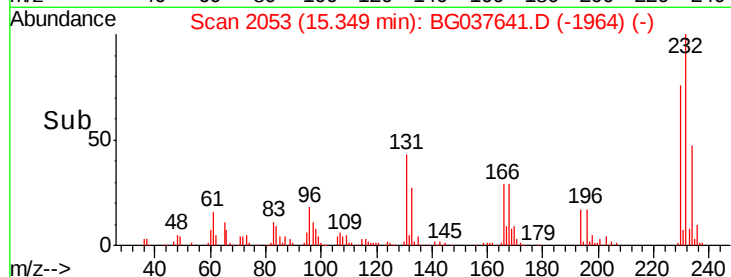
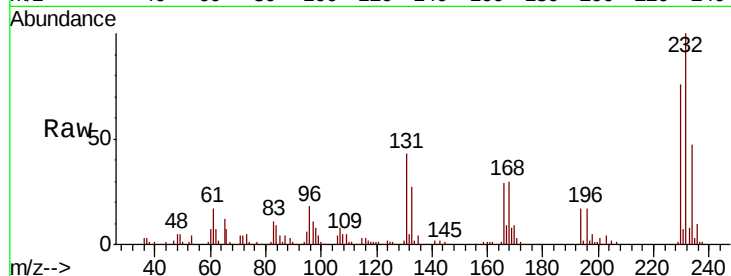




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.434 ng  
RT: 15.35 min Scan# 2053  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

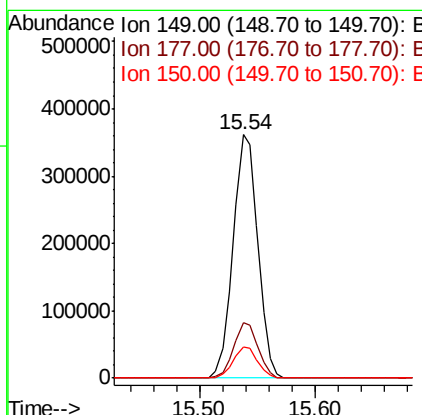
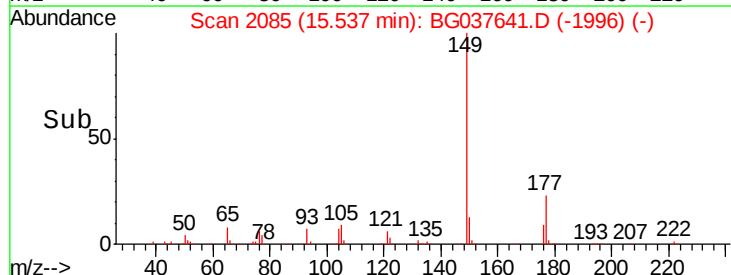
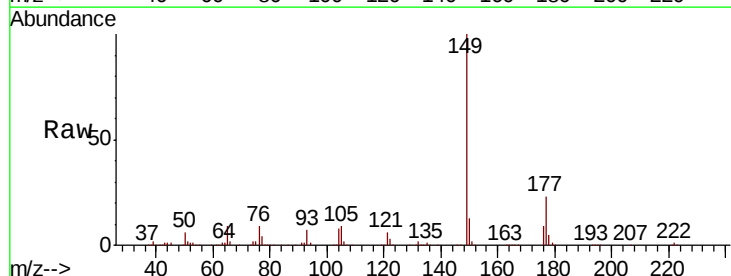
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

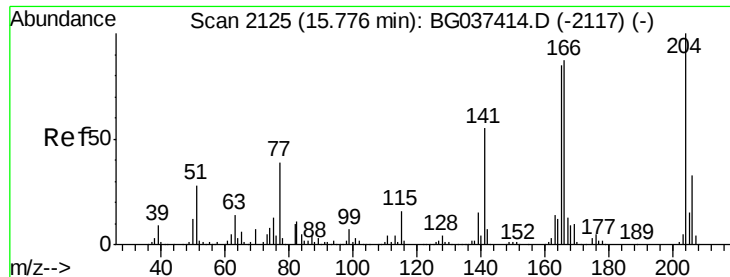
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.7  | 33.7  | 50.5  |
| 130     | 2.4   | 2.1   | 3.1   |
| 166     | 31.2  | 24.6  | 36.8  |



#60  
Diethylphthalate  
Concen: 40.923 ng  
RT: 15.54 min Scan# 2085  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.7  | 18.3  | 27.5  |
| 150     | 13.0  | 10.0  | 15.0  |

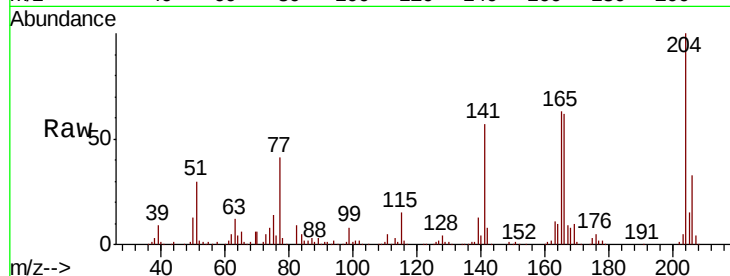




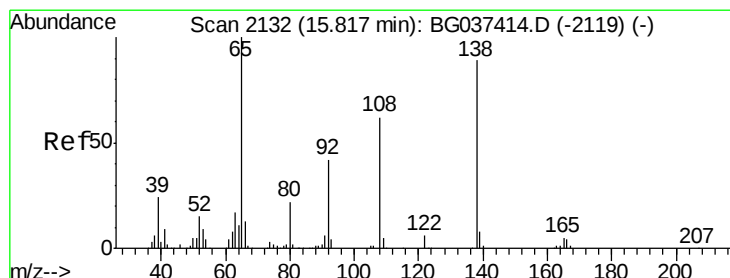
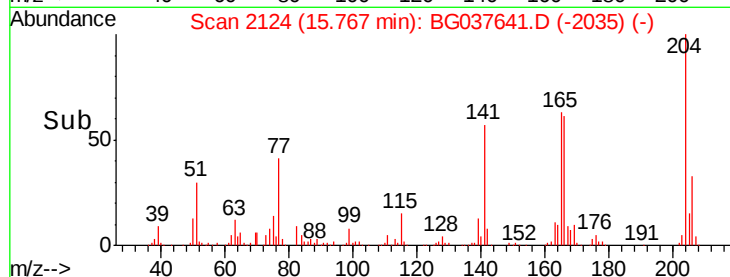
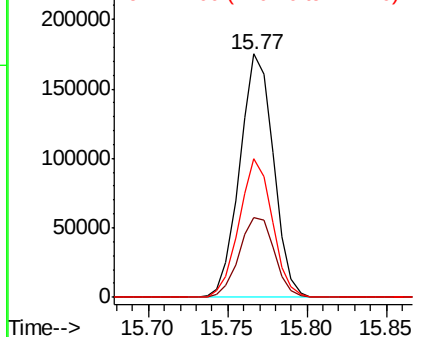
#61  
4-Chlorophenyl-phenylether  
Concen: 37.584 ng  
RT: 15.77 min Scan# 2124  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

Tot Ion:204 Resp: 258903  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 39.8  
141 56.8 45.4 68.2

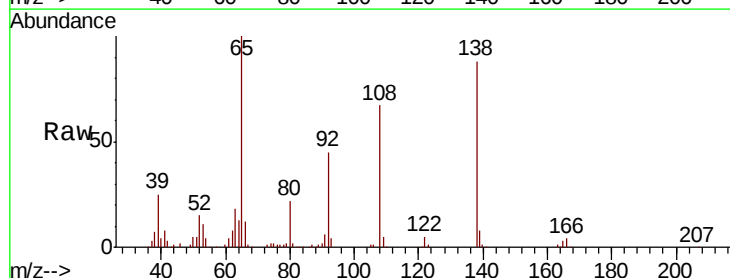


Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

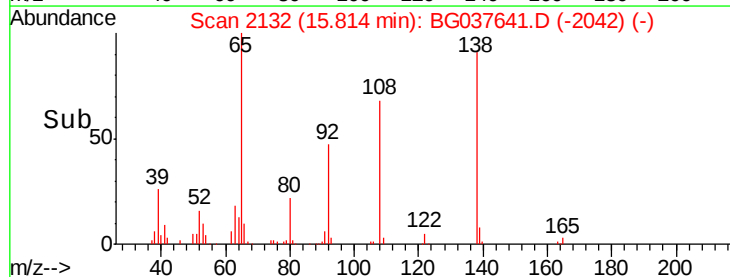
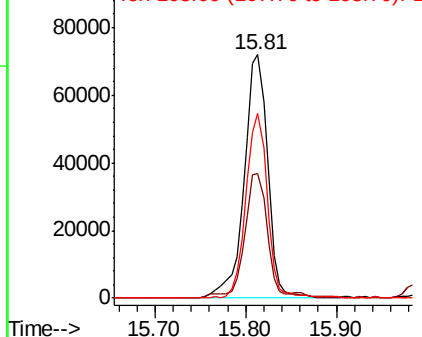


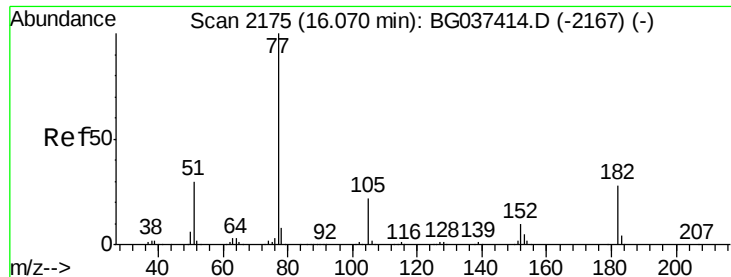
#62  
4-Nitroaniline  
Concen: 41.745 ng  
RT: 15.81 min Scan# 2132  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion:138 Resp: 129329  
Ion Ratio Lower Upper  
138 100  
92 51.4 36.4 76.4  
108 75.8 60.1 100.1



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

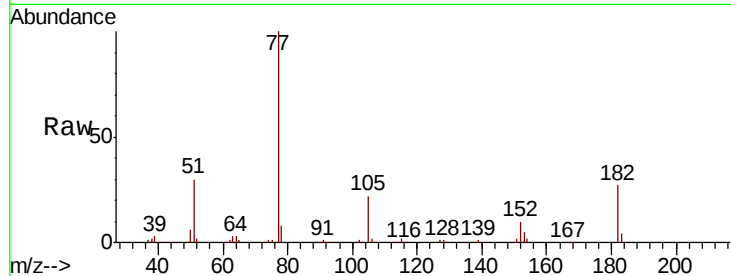




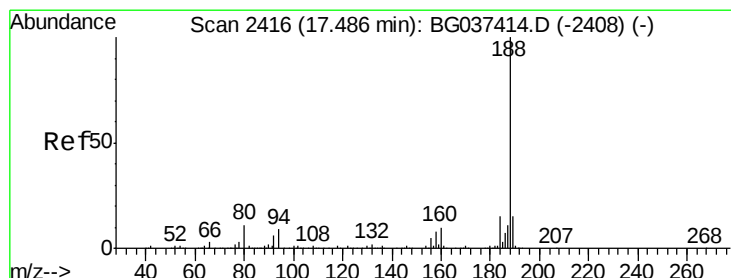
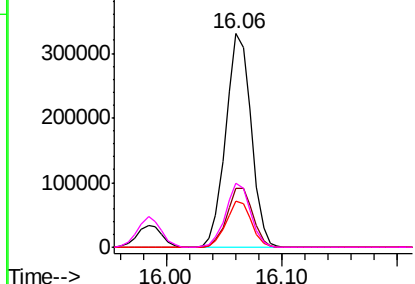
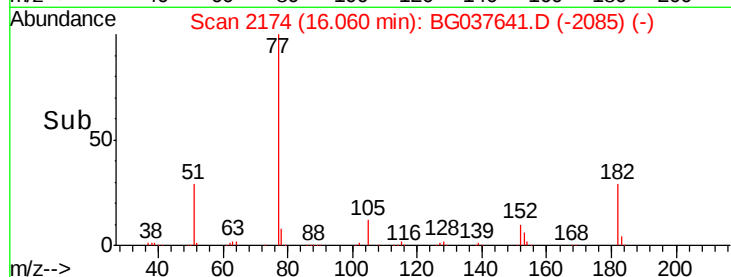
#63  
Azobenzene  
Concen: 40.483 ng  
RT: 16.06 min Scan# 2174  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.4  | 8.0   | 48.0  |
| 105     | 21.7  | 1.3   | 41.3  |
| 51      | 29.8  | 10.7  | 50.7  |

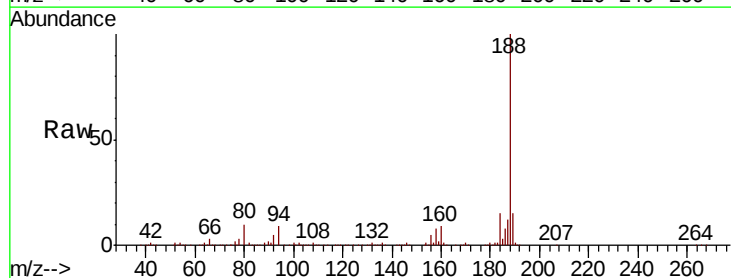


Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

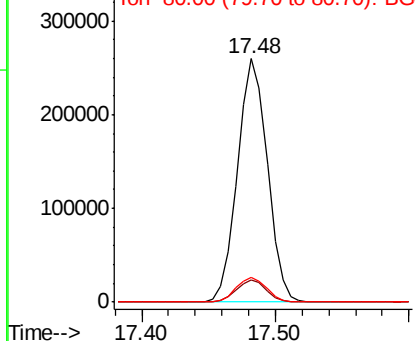
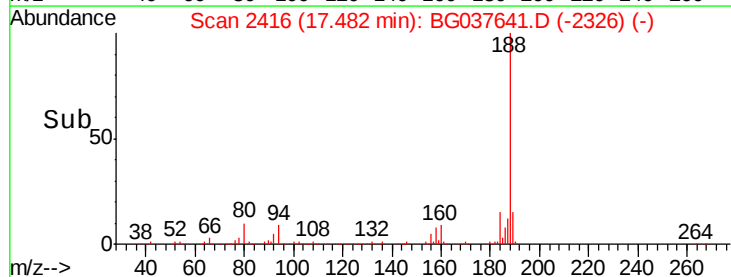


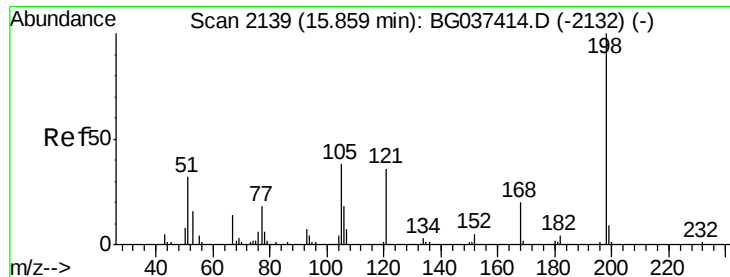
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 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: 41.016 ng

RT: 15.85 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

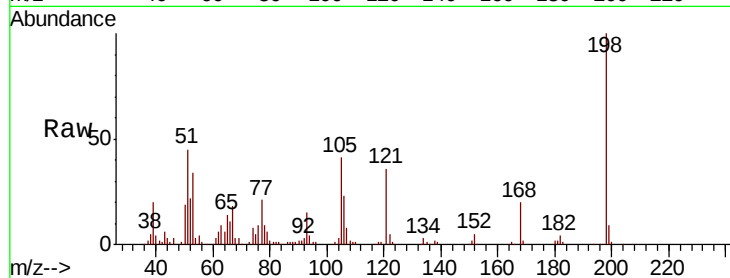
Tot Ion:198 Resp: 83399

Ion Ratio Lower Upper

198 100

51 44.5 22.7 62.7

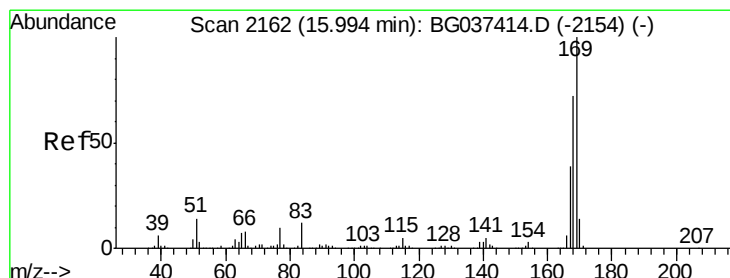
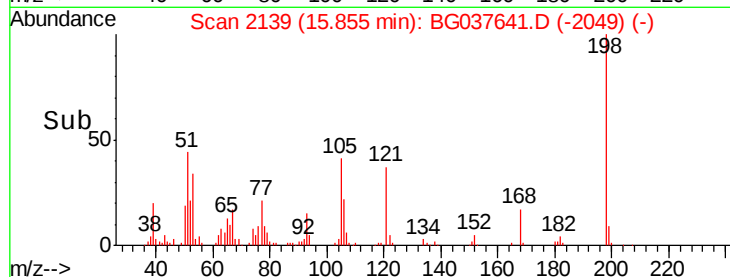
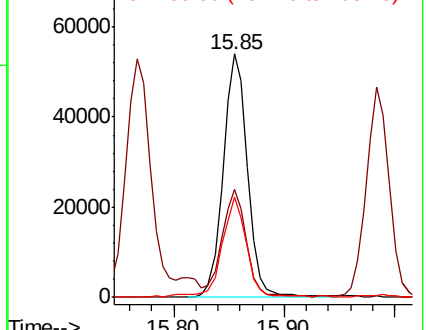
105 41.0 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.093 ng

RT: 15.98 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

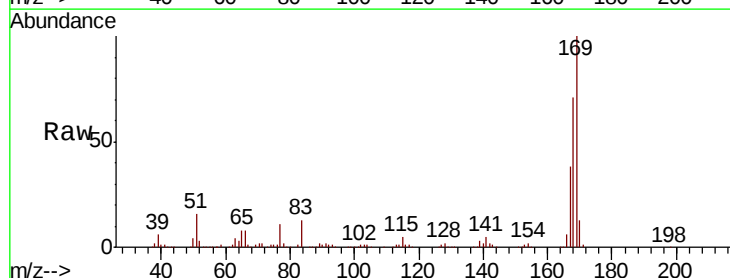
Tgt Ion:169 Resp: 460893

Ion Ratio Lower Upper

169 100

168 70.5 55.7 83.5

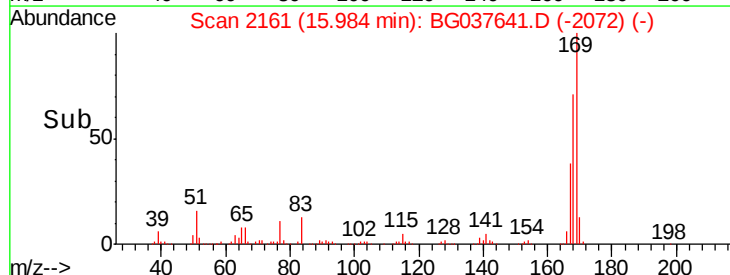
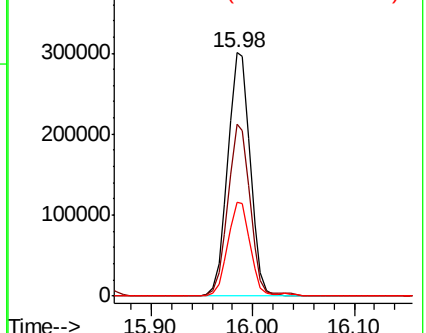
167 38.4 31.3 46.9



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

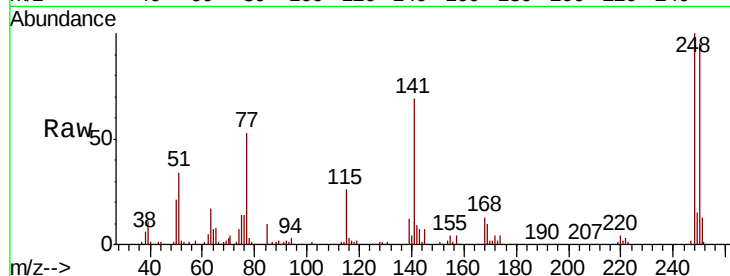




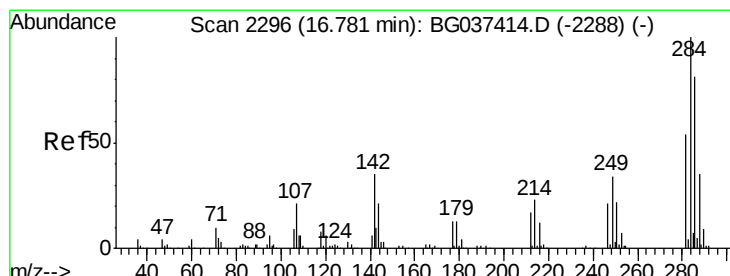
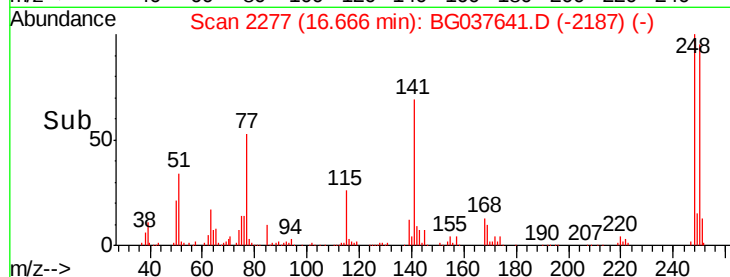
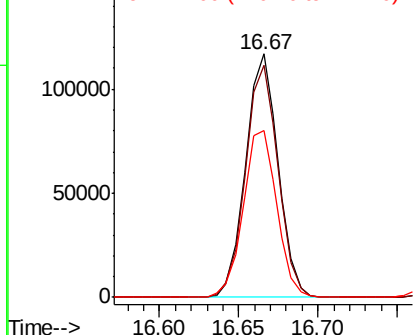
#67  
 4-Bromophenyl-phenylether  
 Concen: 37.719 ng  
 RT: 16.67 min Scan# 2277  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

Tot Ion:248 Resp: 166612  
 Ion Ratio Lower Upper  
 248 100  
 250 95.4 77.0 115.6  
 141 68.5 55.5 83.3

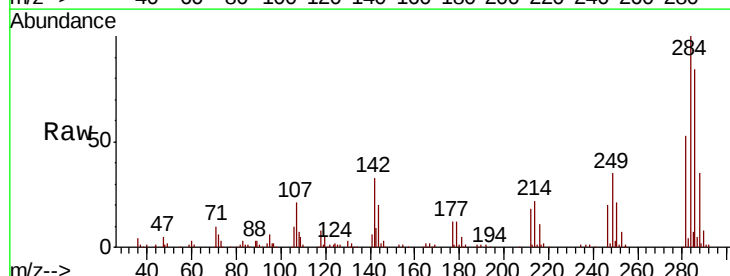


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

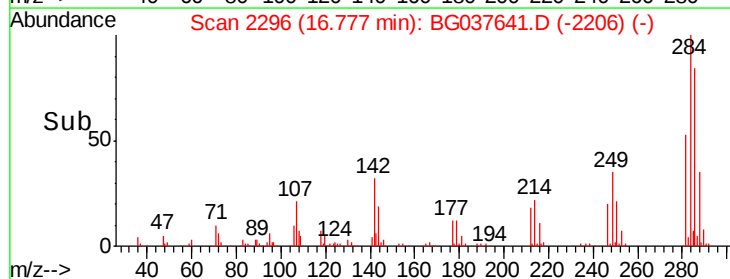
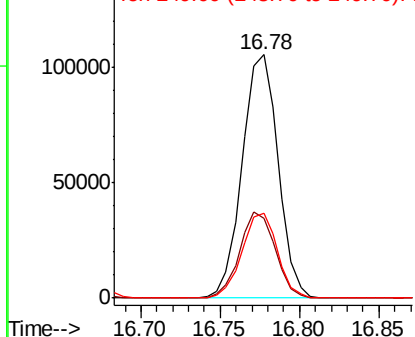


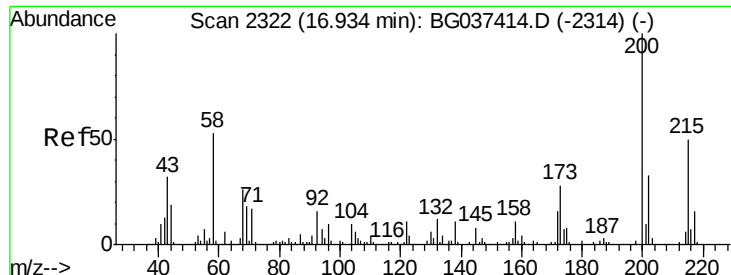
#68  
 Hexachlorobenzene  
 Concen: 36.374 ng  
 RT: 16.78 min Scan# 2296  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Tgt Ion:284 Resp: 166521  
 Ion Ratio Lower Upper  
 284 100  
 142 33.0 28.1 42.1  
 249 37.4 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

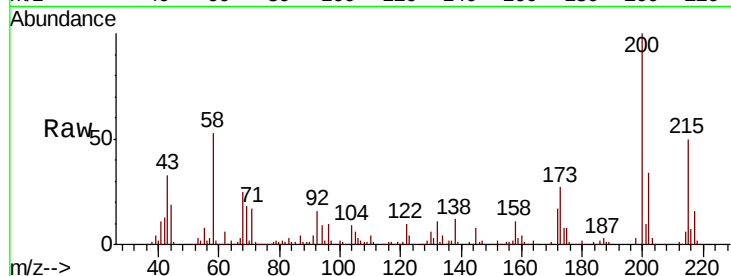




#69  
 Atrazine  
 Concen: 40.287 ng  
 RT: 16.93 min Scan# 2322  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114209BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.1  | 6.1   | 46.1  |
| 215     | 50.5  | 30.8  | 70.8  |

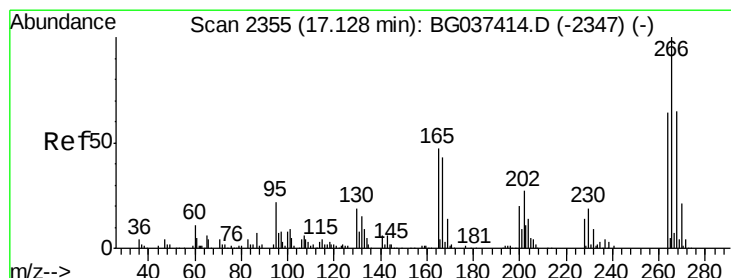
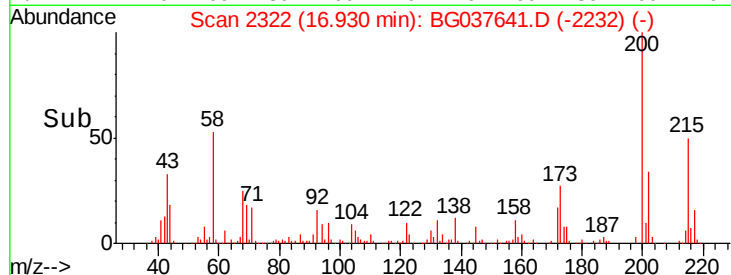
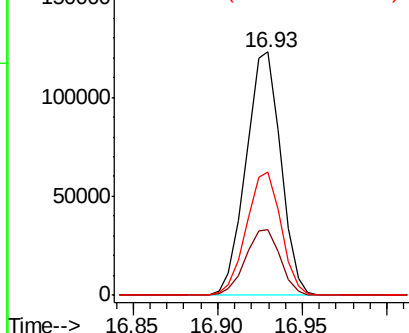


Abundance

Ion 200.00 (199.70 to 200.70): E

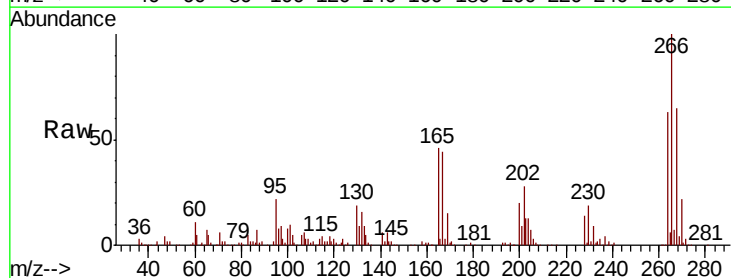
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70  
 Pentachlorophenol  
 Concen: 66.460 ng  
 RT: 17.12 min Scan# 2355  
 Delta R.T. -0.00 min  
 Lab File: BG037641.D  
 Acq: 30 Oct 2018 2:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 69.2  | 55.0  | 82.6  |
| 264     | 69.1  | 58.9  | 88.3  |

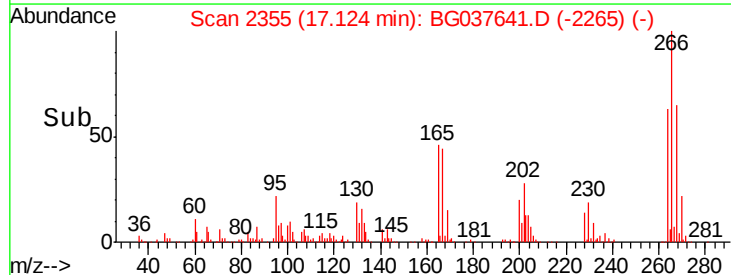
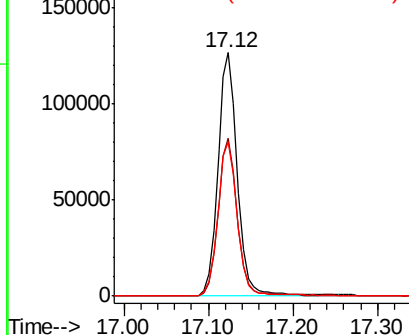


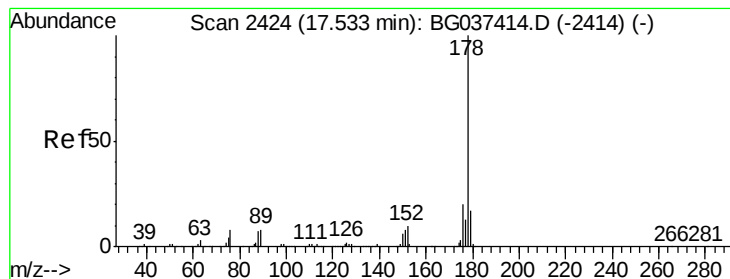
Abundance

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: 40.656 ng

RT: 17.52 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

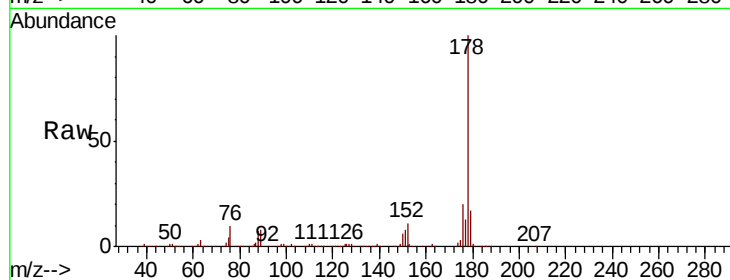
Tot Ion:178 Resp: 831125

Ion Ratio Lower Upper

178 100

176 20.3 16.1 24.1

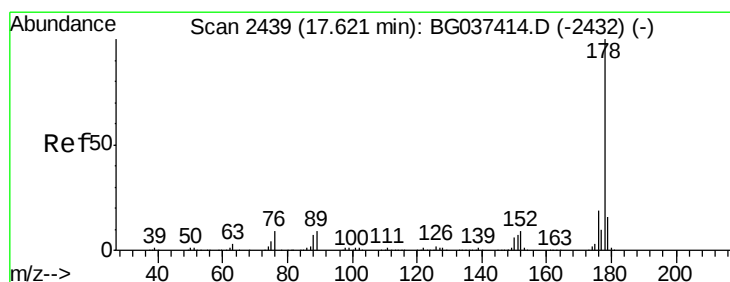
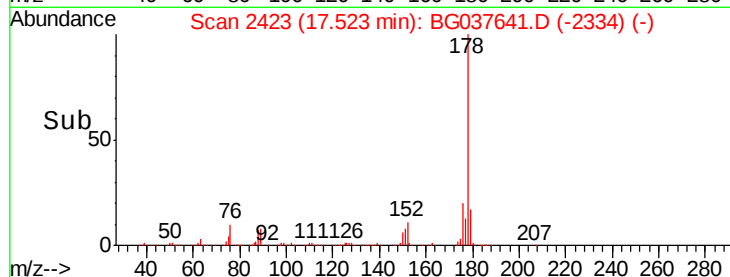
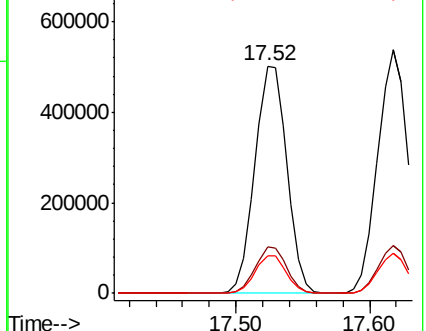
179 16.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.947 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

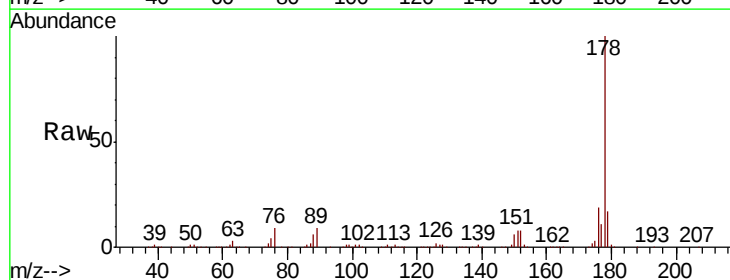
Tgt Ion:178 Resp: 841523

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.4

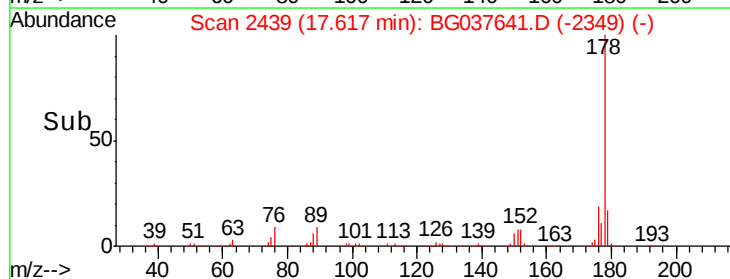
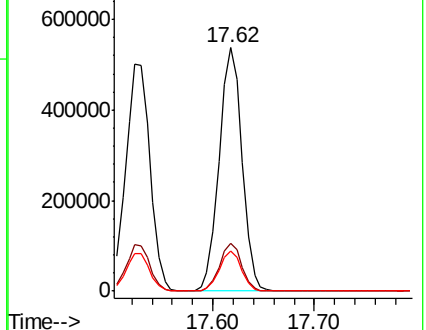
179 16.6 12.8 19.2

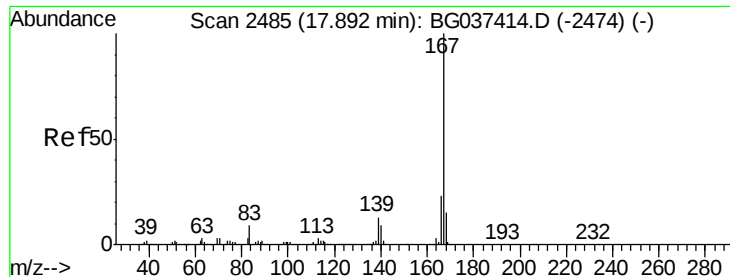


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 38.220 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

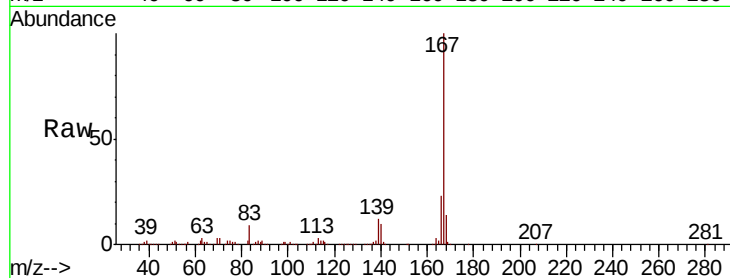
Tot Ion:167 Resp: 766987

Ion Ratio Lower Upper

167 100

166 23.2 18.3 27.5

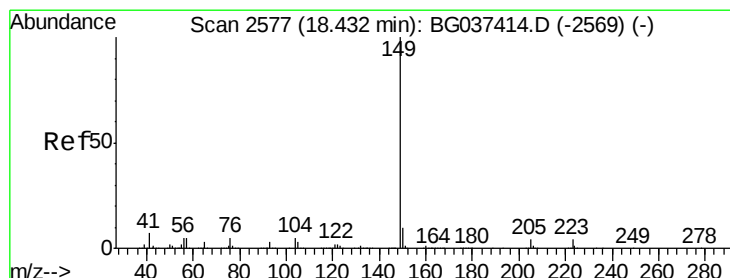
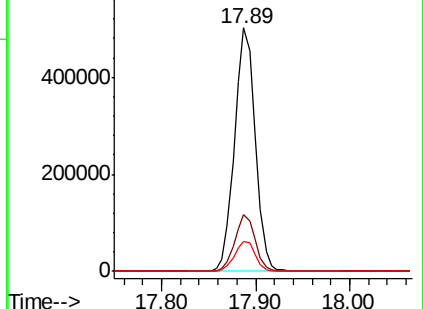
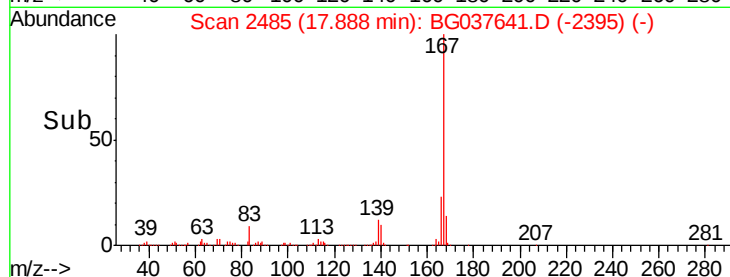
139 12.3 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.891 ng

RT: 18.42 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

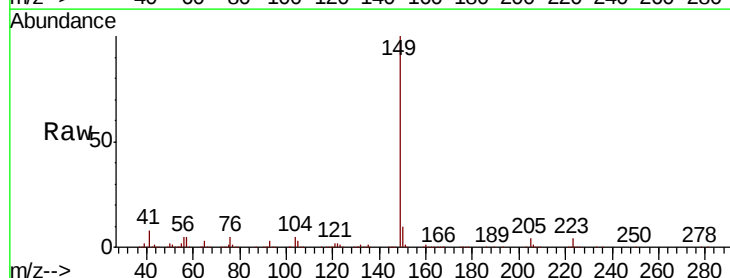
Tgt Ion:149 Resp: 912834

Ion Ratio Lower Upper

149 100

150 10.2 8.2 12.2

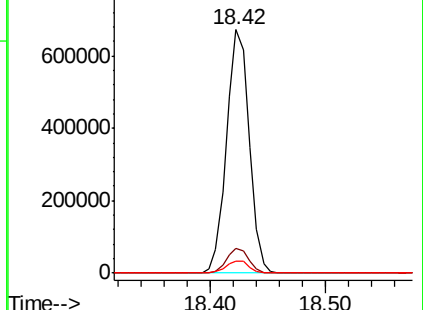
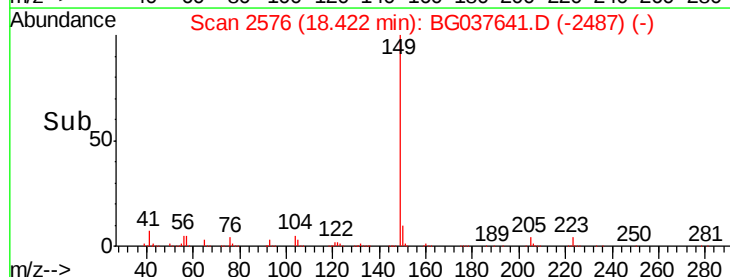
104 5.1 4.0 6.0

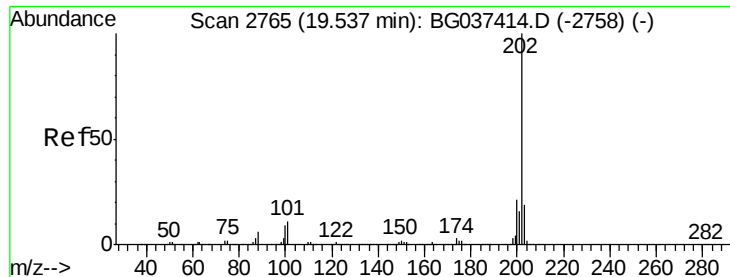


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 41.800 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

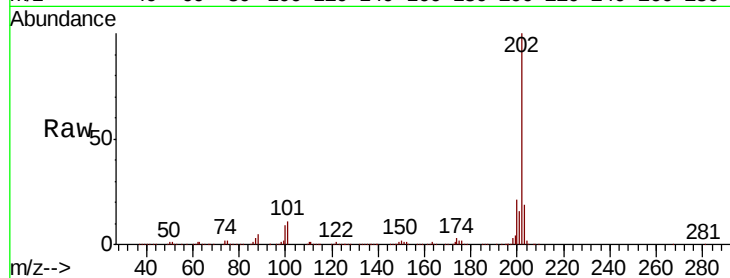
Tot Ion:202 Resp: 969181

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.7

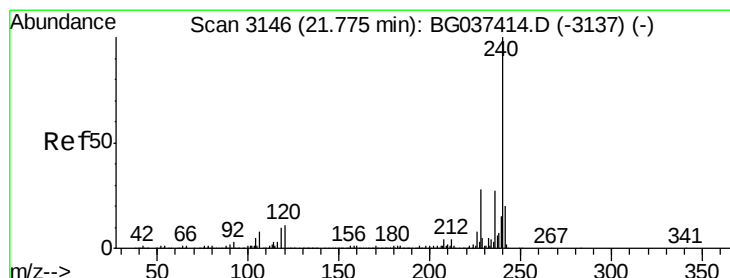
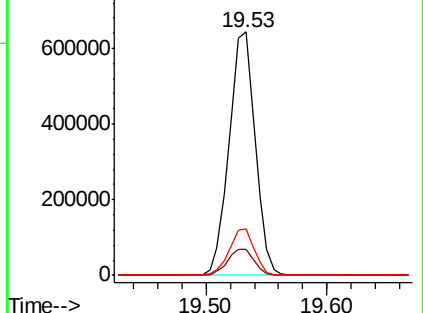
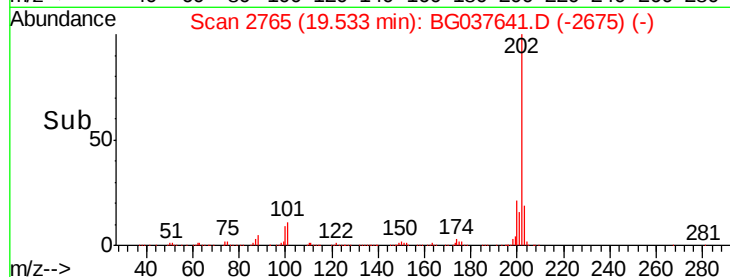
203 18.9 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

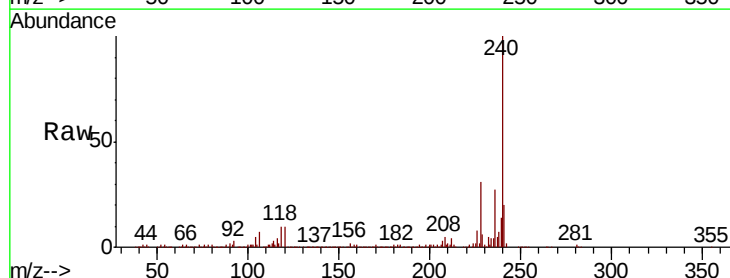
Tgt Ion:240 Resp: 358038

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

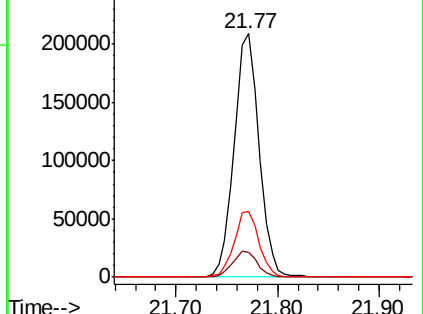
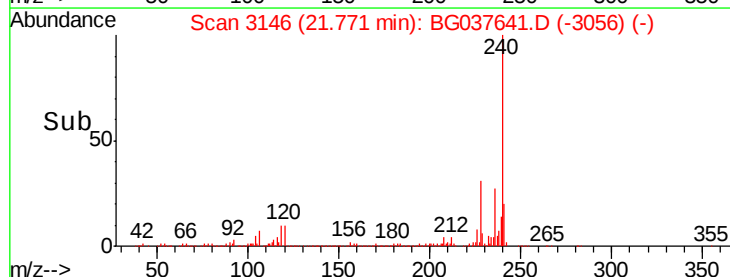
236 26.9 21.4 32.0



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: 32.067 ng

RT: 19.71 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

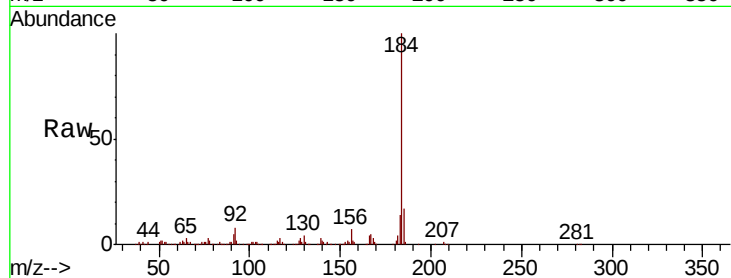
Tot Ion:184 Resp: 390388

Ion Ratio Lower Upper

184 100

185 16.6 12.6 18.8

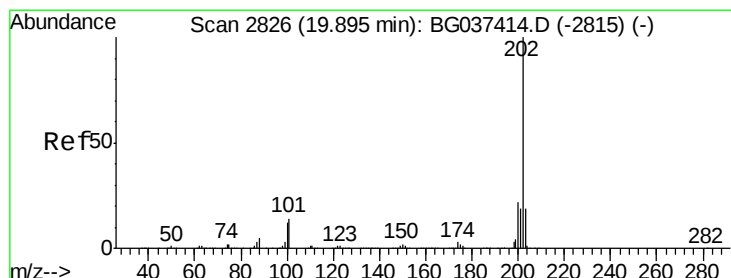
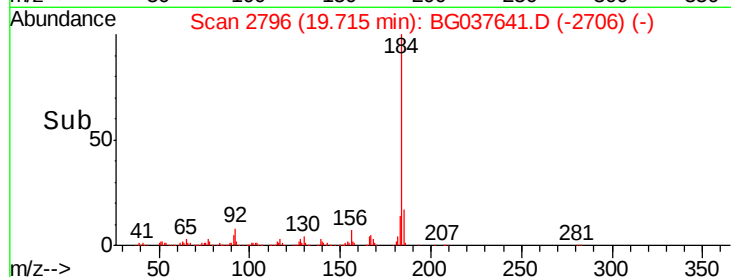
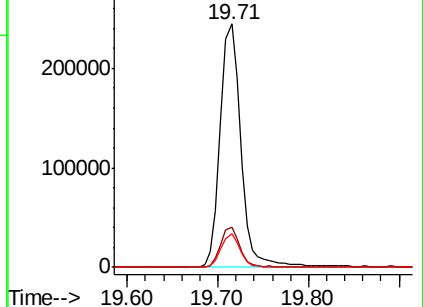
183 13.6 10.2 15.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 40.791 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

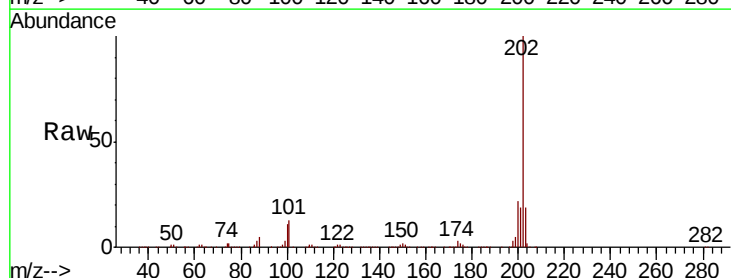
Tgt Ion:202 Resp: 954733

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

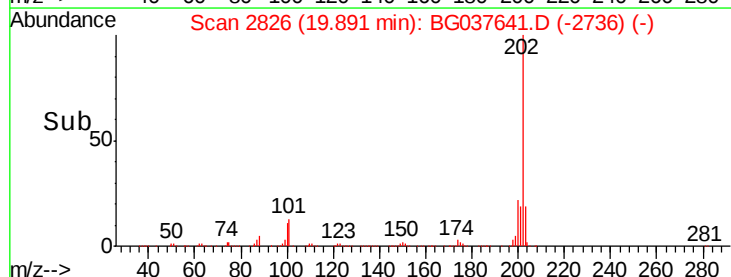
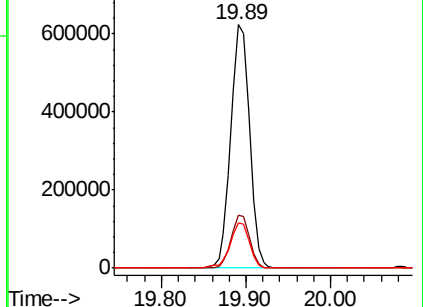
203 18.5 15.2 22.8



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: 59.721 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

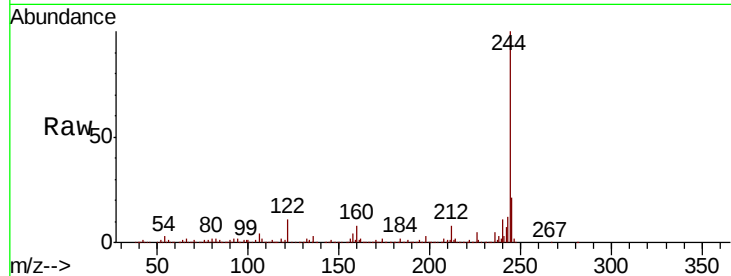
Tot Ion:244 Resp: 1000690

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 6.5   | 9.7   |
| 122 | 11.1  | 9.0   | 13.4  |

244 100

212 8.0 6.5 9.7

122 11.1 9.0 13.4

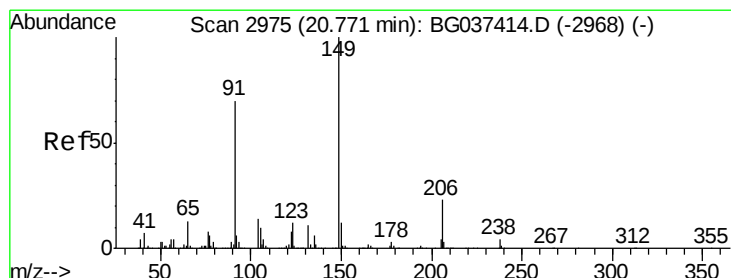
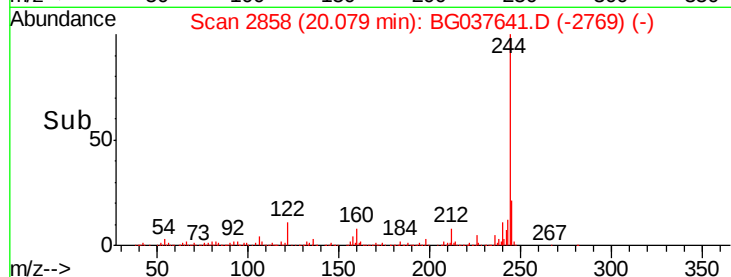
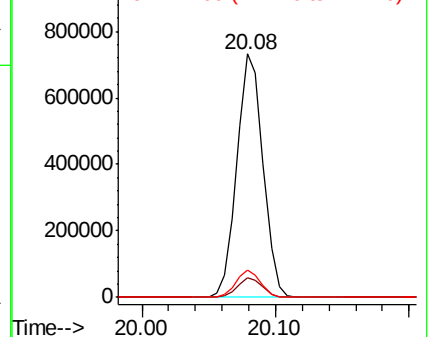


Abundance

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: 43.186 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

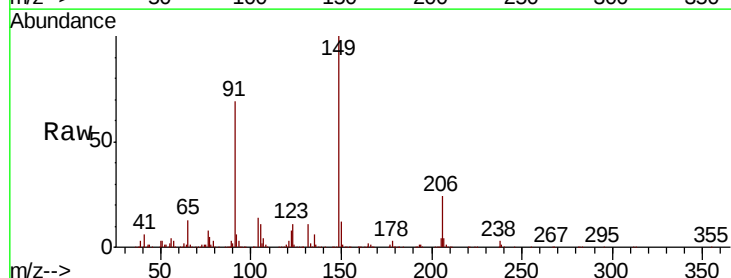
Tgt Ion:149 Resp: 413679

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 68.8  | 57.0  | 85.4  |
| 206 | 23.7  | 17.8  | 26.6  |

149 100

91 68.8 57.0 85.4

206 23.7 17.8 26.6

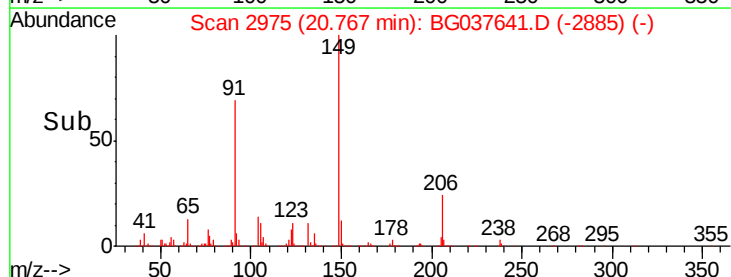
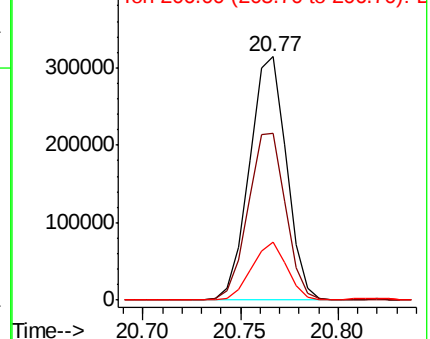


Abundance

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: 42.196 ng

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

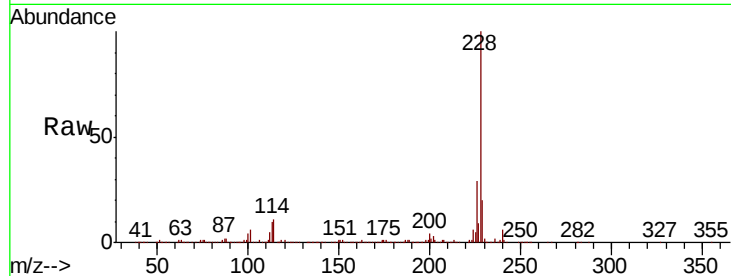
Tot Ion:228 Resp: 893618

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

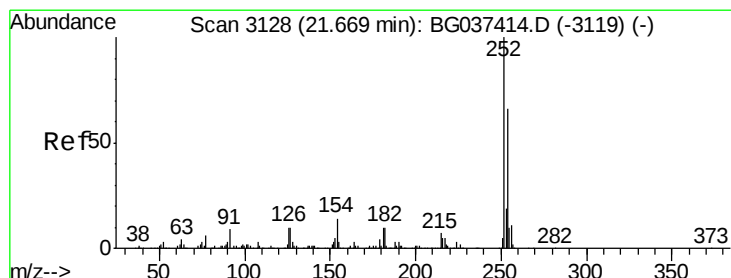
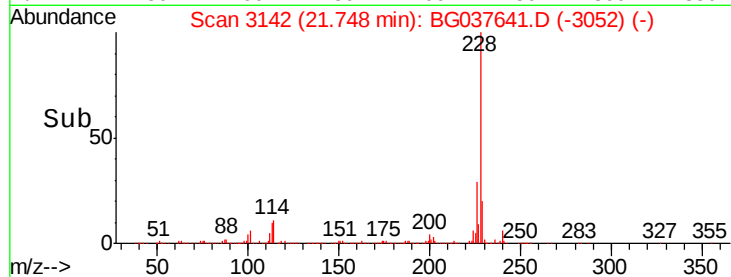
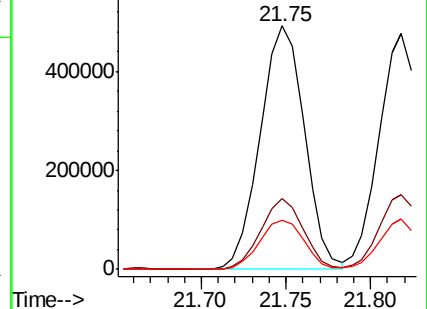
229 20.2 16.3 24.5



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: 30.624 ng

RT: 21.67 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

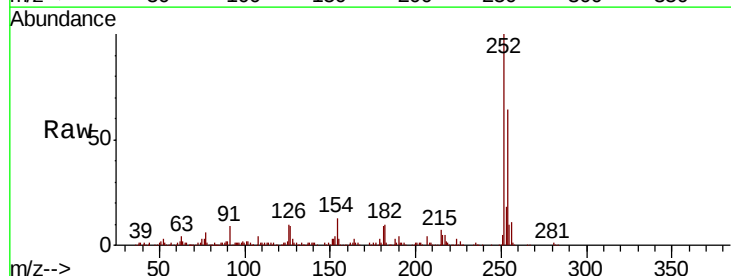
Tgt Ion:252 Resp: 251382

Ion Ratio Lower Upper

252 100

254 63.8 52.0 78.0

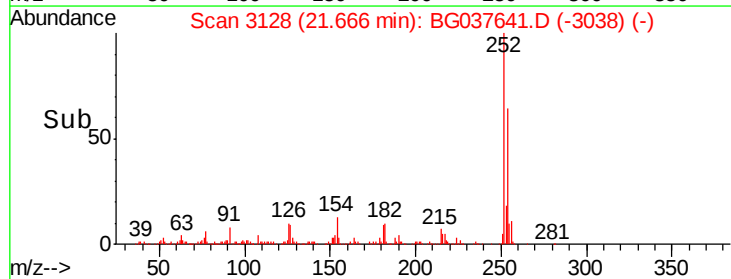
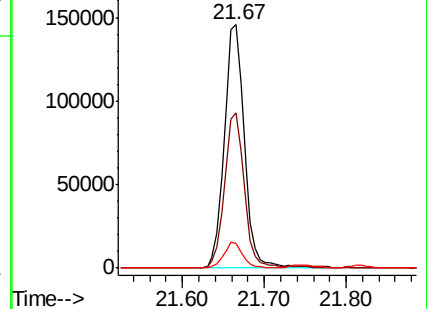
126 10.3 8.2 12.4



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: 40.586 ng

RT: 21.82 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

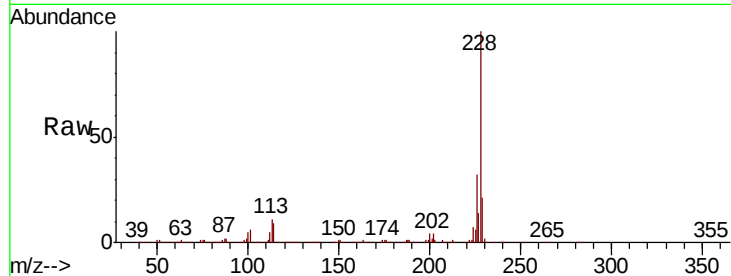
Tot Ion:228 Resp: 826483

Ion Ratio Lower Upper

228 100

226 31.7 25.7 38.5

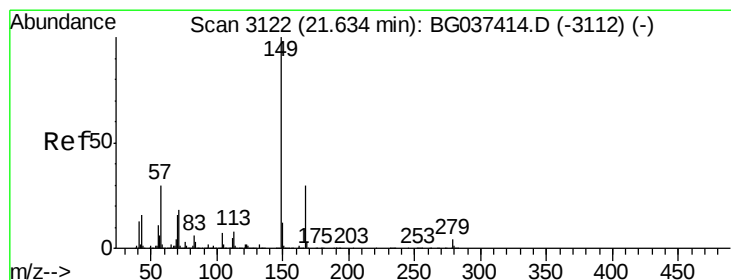
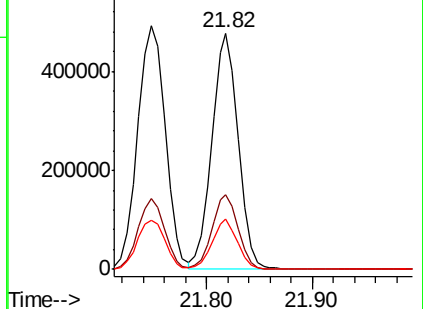
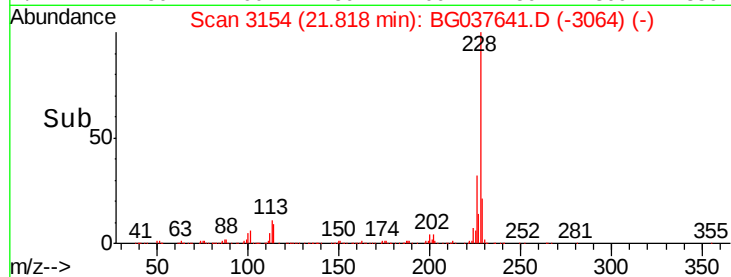
229 21.2 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.745 ng

RT: 21.62 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

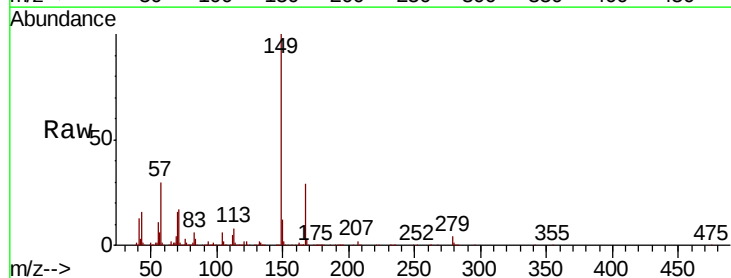
Tgt Ion:149 Resp: 587356

Ion Ratio Lower Upper

149 100

167 29.3 23.0 34.4

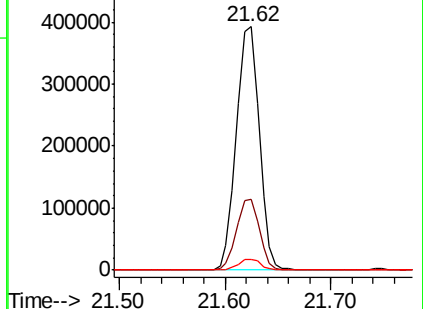
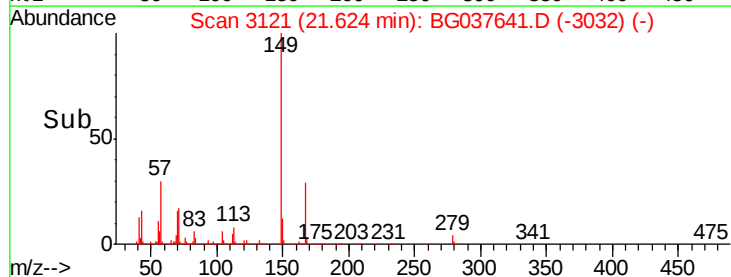
279 4.4 3.6 5.4

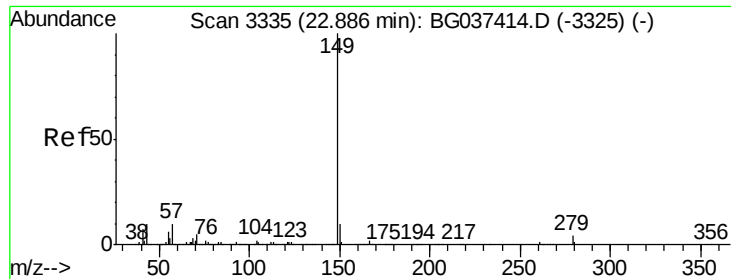


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 44.816 ng

RT: 22.86 min Scan# 3332

Delta R.T. -0.02 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

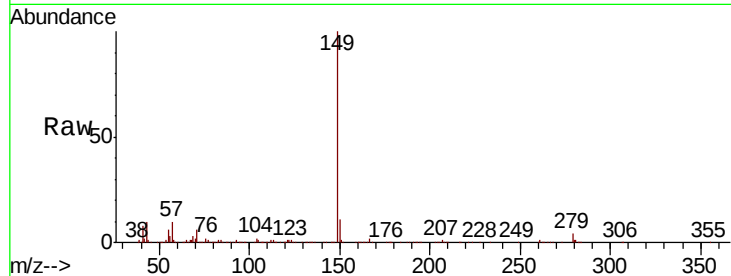
Tot Ion:149 Resp: 981228

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

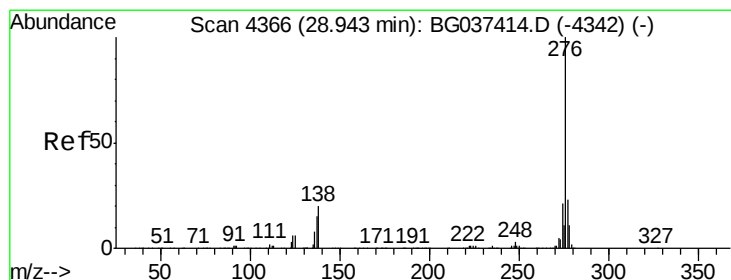
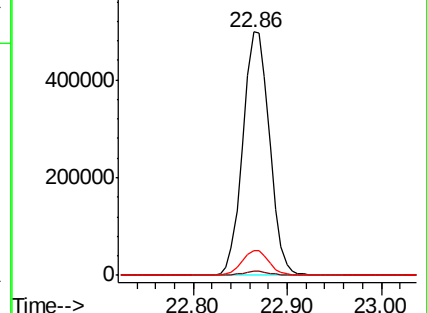
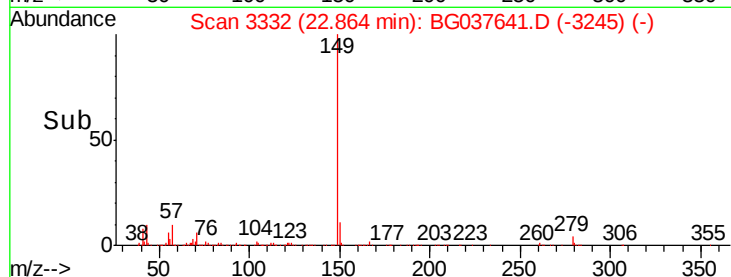
43 10.1 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.940 ng

RT: 28.93 min Scan# 4364

Delta R.T. -0.02 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

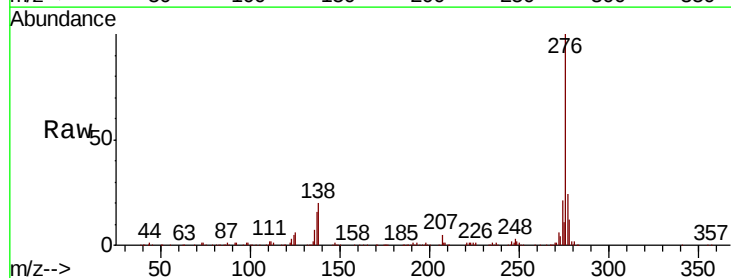
Tgt Ion:276 Resp: 894198

Ion Ratio Lower Upper

276 100

138 15.1 12.0 18.0

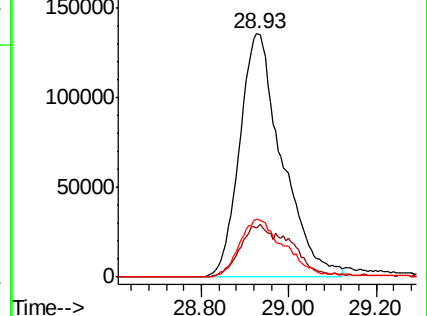
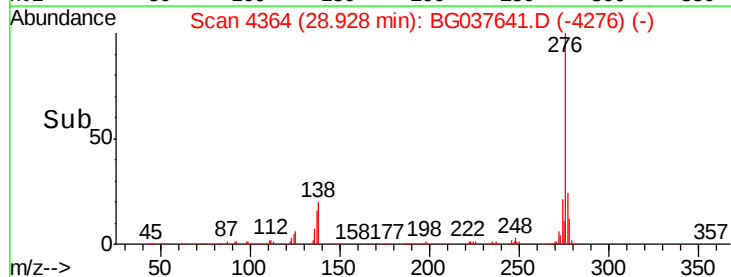
277 25.1 20.6 30.8

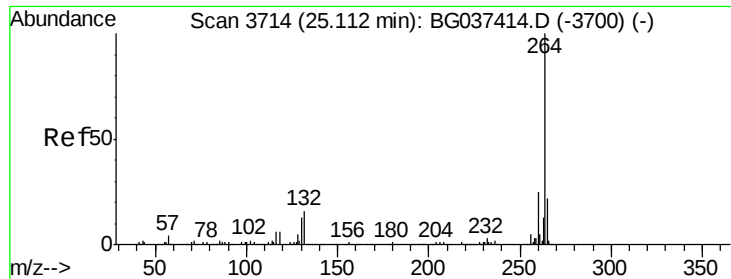


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

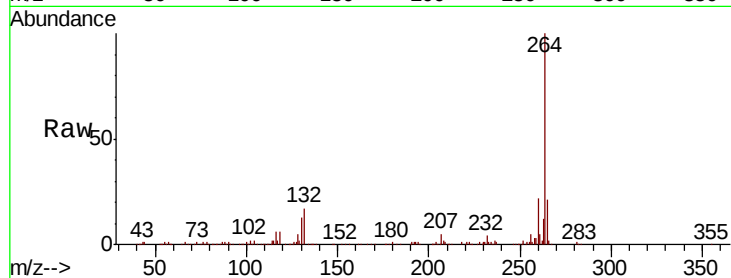
Tot Ion:264 Resp: 378350

Ion Ratio Lower Upper

264 100

260 22.0 18.2 27.4

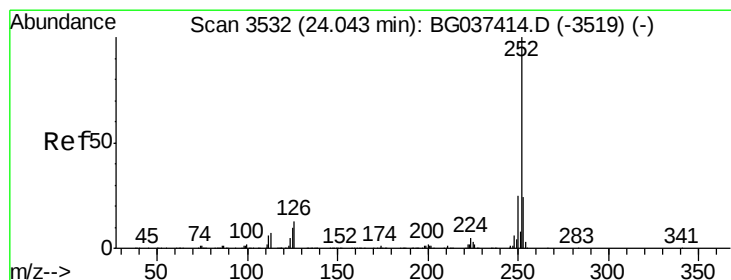
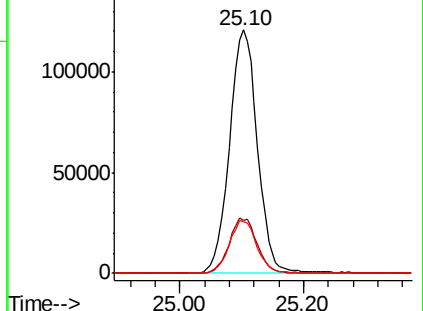
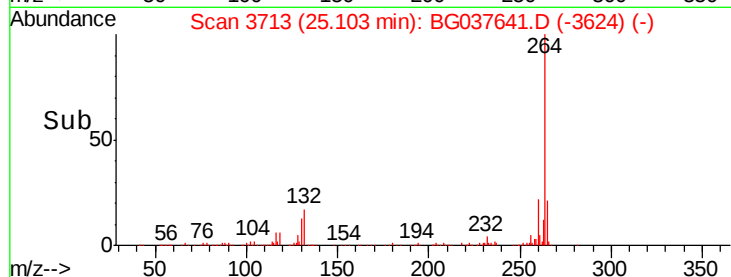
265 21.0 17.9 26.9



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: 41.696 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

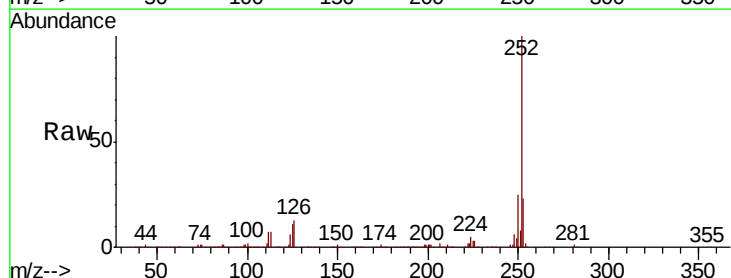
Tgt Ion:252 Resp: 864883

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

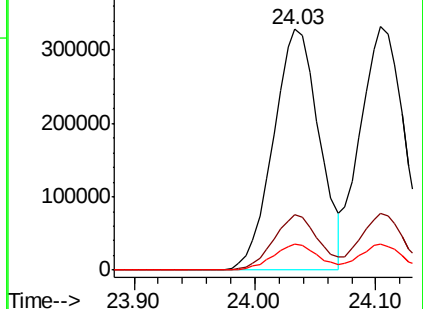
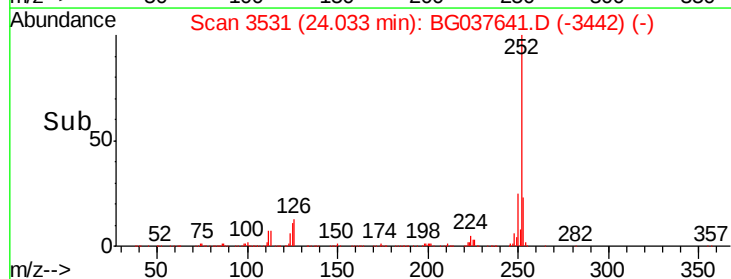
125 10.8 7.8 11.6

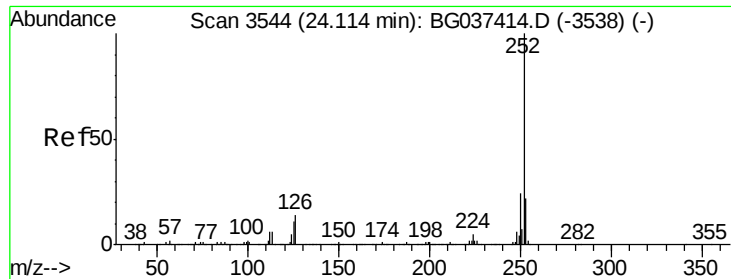


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

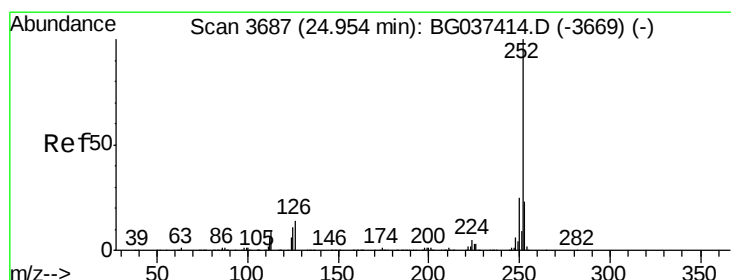
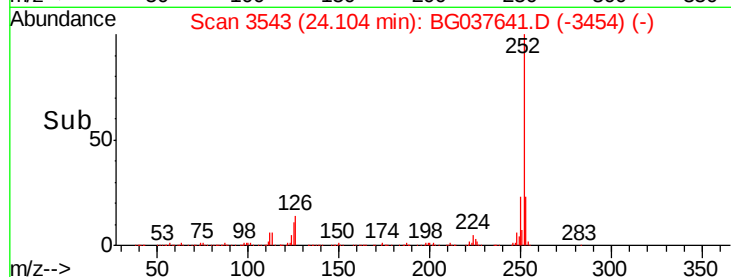
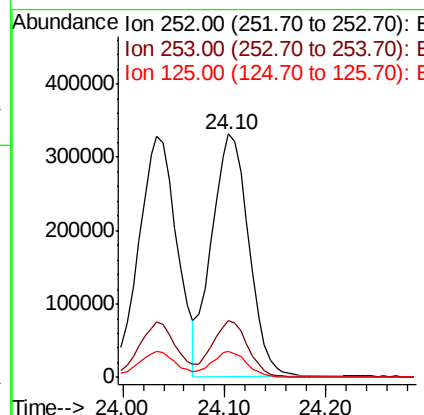
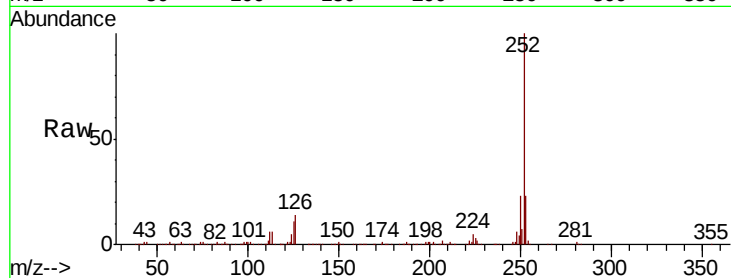




#89  
Benzo(k)fluoranthene  
Concen: 41.381 ng  
RT: 24.10 min Scan# 3543  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

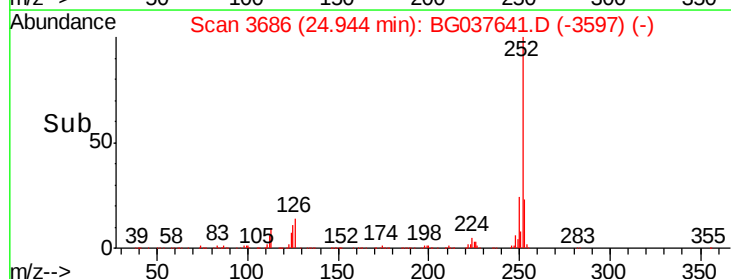
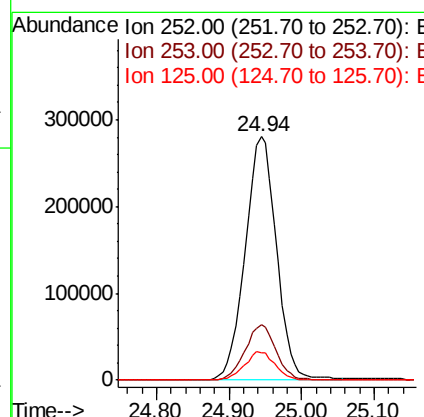
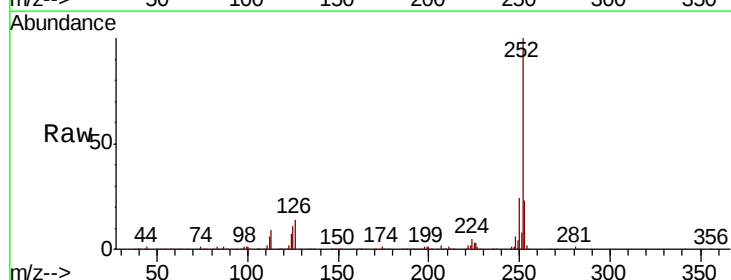
Instrument :  
BNA\_G  
ClientSampleId :  
PB114209BS

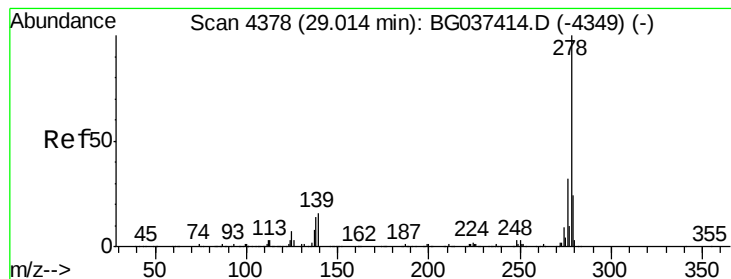
Tot Ion:252 Resp: 840944  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.2  
125 10.7 7.4 11.0



#90  
Benzo(a)pyrene  
Concen: 42.512 ng  
RT: 24.94 min Scan# 3686  
Delta R.T. -0.01 min  
Lab File: BG037641.D  
Acq: 30 Oct 2018 2:58

Tgt Ion:252 Resp: 837924  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.2  
125 11.4 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 40.733 ng

RT: 29.00 min Scan# 4376

Delta R.T. -0.02 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

Instrument :

BNA\_G

ClientSampleId :

PB114209BS

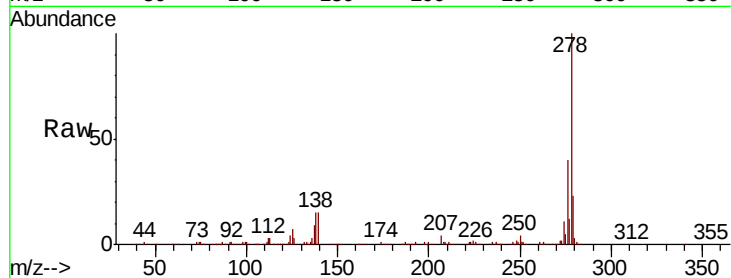
Tot Ion:278 Resp: 740571

Ion Ratio Lower Upper

278 100

139 15.5 11.5 17.3

279 22.9 18.6 27.8

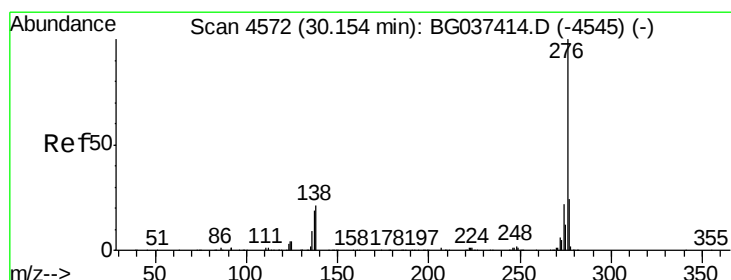
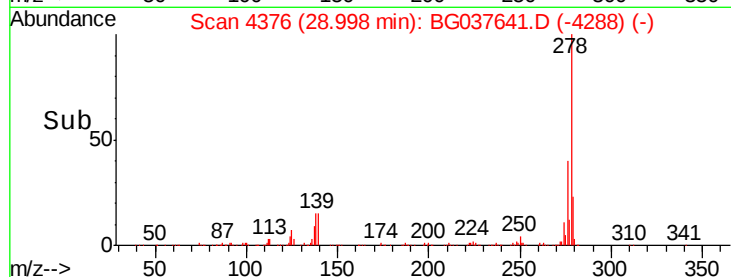
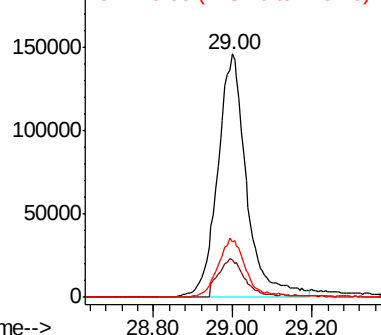


Abundance

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: 40.367 ng

RT: 30.13 min Scan# 4569

Delta R.T. -0.02 min

Lab File: BG037641.D

Acq: 30 Oct 2018 2:58

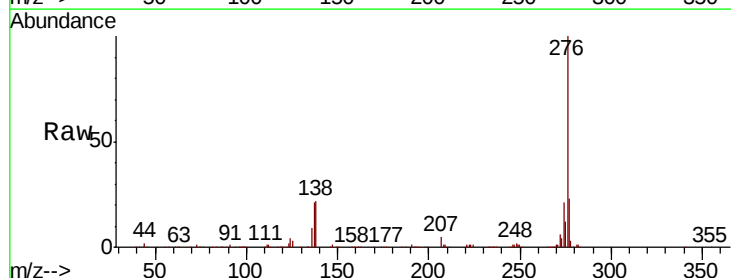
Tgt Ion:276 Resp: 742512

Ion Ratio Lower Upper

276 100

277 22.9 18.9 28.3

138 21.9 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

