

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG030519\  
 Data File : BG039766.D  
 Acq On : 5 Mar 2019 16:07  
 Operator : JU/SJ  
 Sample : PB117619BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

Quant Time: Mar 06 00:41:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 40928    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 10.98 | 136  | 177574   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 14.78 | 164  | 126634   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.53 | 188  | 319344   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.82 | 240  | 326917   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 25.19 | 264  | 326049   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.70  | 112 | 344031  | 143.40 | ng | 0.00  |
| 7) Phenol-d6             | 7.30  | 99  | 492474  | 137.67 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 9.33  | 82  | 265427  | 80.84  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.27 | 330 | 197758  | 133.98 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.40 | 172 | 665282  | 74.80  | ng | -0.01 |
| 79) Terphenyl-d14        | 20.12 | 244 | 1153472 | 77.69  | ng | 0.00  |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.59  | 88  | 40660  | 36.711 | ng | 98     |
| 3) Pyridine                    | 3.99  | 79  | 102983 | 34.731 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.91  | 42  | 55639  | 39.554 | ng | 92     |
| 6) Aniline                     | 7.48  | 93  | 144716 | 30.879 | ng | 100    |
| 8) 2-Chlorophenol              | 7.72  | 128 | 127306 | 43.740 | ng | 96     |
| 9) Benzaldehyde                | 7.29  | 77  | 81356  | 35.258 | ng | 94     |
| 10) Phenol                     | 7.33  | 94  | 173031 | 44.651 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.57  | 93  | 118933 | 39.364 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.04  | 146 | 126567 | 38.450 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.19  | 146 | 130802 | 39.012 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.51  | 146 | 126634 | 39.090 | ng | 96     |
| 15) Benzyl Alcohol             | 8.39  | 79  | 121683 | 42.883 | ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68  | 45  | 232739 | 38.515 | ng | 100    |
| 17) 2-Methylphenol             | 8.59  | 107 | 111476 | 45.115 | ng | 98     |
| 18) Hexachloroethane           | 9.24  | 117 | 45602  | 37.905 | ng | 99     |
| 19) n-Nitroso-di-n-propylamine | 8.96  | 70  | 100644 | 39.089 | ng | 93     |
| 20) 3+4-Methylphenols          | 8.92  | 107 | 156442 | 45.574 | ng | 96     |
| 22) Acetophenone               | 8.99  | 105 | 187696 | 39.382 | ng | # 93   |
| 24) Nitrobenzene               | 9.38  | 77  | 145145 | 42.139 | ng | 97     |
| 25) Isophorone                 | 9.89  | 82  | 286028 | 41.576 | ng | 97     |
| 26) 2-Nitrophenol              | 10.09 | 139 | 70746  | 42.540 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 10.13 | 122 | 135111 | 52.238 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.37 | 93  | 173576 | 41.518 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.62 | 162 | 142131 | 48.808 | ng | 94     |
| 30) 1,2,4-Trichlorobenzene     | 10.83 | 180 | 133611 | 40.774 | ng | 99     |
| 31) Naphthalene                | 11.03 | 128 | 394620 | 41.973 | ng | 98     |
| 32) Benzoic acid               | 10.26 | 122 | 77712  | 44.342 | ng | 97     |
| 33) 4-Chloroaniline            | 11.14 | 127 | 93010  | 23.330 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.29 | 225 | 87838  | 39.227 | ng | 98     |
| 35) Caprolactam                | 11.92 | 113 | 29165  | 26.218 | ng | # 87   |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 151274 | 45.316 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.62 | 142 | 301011 | 42.824 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.84 | 142 | 289304 | 42.352 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.98 | 216 | 169196 | 39.439 | ng | 99     |

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 ALS Vial : 4 Sample Multiplier: 1

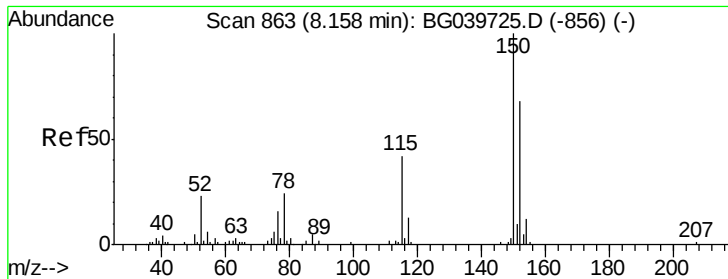
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

Quant Time: Mar 06 00:41:56 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.95 | 237  | 223847   | 97.365 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.22 | 196  | 117108   | 46.626 | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 13.29 | 196  | 127894   | 45.175 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.62 | 154  | 417579   | 40.092 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.67 | 162  | 322705   | 41.185 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.87 | 65   | 113849   | 45.213 | ng    | 97       |
| 49) Acenaphthylene             | 14.51 | 152  | 522820   | 40.646 | ng    | 99       |
| 50) Dimethylphthalate          | 14.23 | 163  | 440163   | 41.568 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.36 | 165  | 97870    | 43.598 | ng    | 91       |
| 52) Acenaphthene               | 14.85 | 154  | 318929   | 41.196 | ng    | 99       |
| 53) 3-Nitroaniline             | 14.70 | 138  | 62418    | 27.661 | ng    | # 90     |
| 54) 2,4-Dinitrophenol          | 14.90 | 184  | 98891    | 70.521 | ng    | 98       |
| 55) Dibenzofuran               | 15.18 | 168  | 519903   | 40.931 | ng    | 97       |
| 56) 4-Nitrophenol              | 14.99 | 139  | 172948   | 85.677 | ng    | 90       |
| 57) 2,4-Dinitrotoluene         | 15.14 | 165  | 140848   | 44.654 | ng    | 87       |
| 58) Fluorene                   | 15.83 | 166  | 414107   | 41.471 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 126774   | 45.852 | ng    | 98       |
| 60) Diethylphthalate           | 15.58 | 149  | 449161   | 42.849 | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.81 | 204  | 219441   | 41.183 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.86 | 138  | 105256   | 43.026 | ng    | 90       |
| 63) Azobenzene                 | 16.11 | 77   | 400232   | 42.121 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylphenol | 15.90 | 198  | 78830    | 41.749 | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 16.03 | 169  | 387066   | 41.867 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.71 | 248  | 145686   | 40.757 | ng    | 96       |
| 68) Hexachlorobenzene          | 16.82 | 284  | 148758   | 40.148 | ng    | 95       |
| 69) Atrazine                   | 16.97 | 200  | 156224   | 42.936 | ng    | 98       |
| 70) Pentachlorophenol          | 17.17 | 266  | 191910   | 82.011 | ng    | 99       |
| 71) Phenanthrene               | 17.57 | 178  | 710617   | 40.399 | ng    | 99       |
| 72) Anthracene                 | 17.66 | 178  | 726434   | 42.380 | ng    | 98       |
| 73) Carbazole                  | 17.93 | 167  | 637362   | 41.246 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.46 | 149  | 780532   | 42.930 | ng    | 99       |
| 75) Fluoranthene               | 19.57 | 202  | 864336   | 41.578 | ng    | 99       |
| 77) Benzidine                  | 19.75 | 184  | 398942   | 38.456 | ng    | 98       |
| 78) Pyrene                     | 19.94 | 202  | 862365   | 40.595 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.80 | 149  | 363122   | 44.121 | ng    | 94       |
| 81) Benzo(a)anthracene         | 21.80 | 228  | 811430   | 39.604 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.71 | 252  | 177012   | 23.664 | ng    | 99       |
| 83) Chrysene                   | 21.87 | 228  | 790840   | 39.814 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 499725   | 43.209 | ng    | 100      |
| 85) Di-n-octyl phthalate       | 22.92 | 149  | 859998   | 44.909 | ng    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.08 | 276  | 941065   | 41.762 | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 24.11 | 252  | 831306   | 42.756 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 24.18 | 252  | 784394   | 43.340 | ng    | 97       |
| 90) Benzo(a)pyrene             | 25.03 | 252  | 803875   | 44.743 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 29.14 | 278  | 768595   | 43.637 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.30 | 276  | 781593   | 44.184 | ng    | 97       |

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



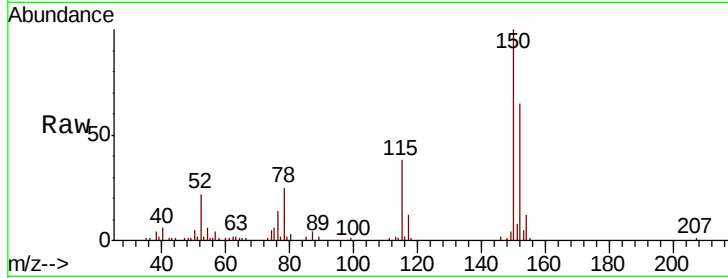


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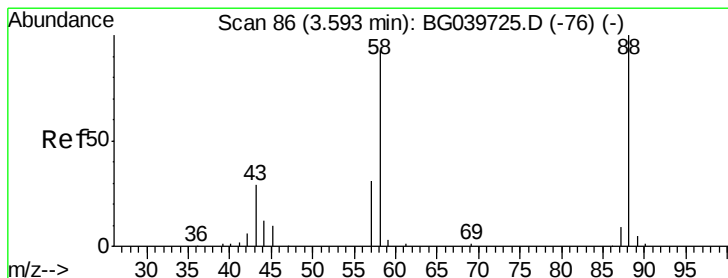
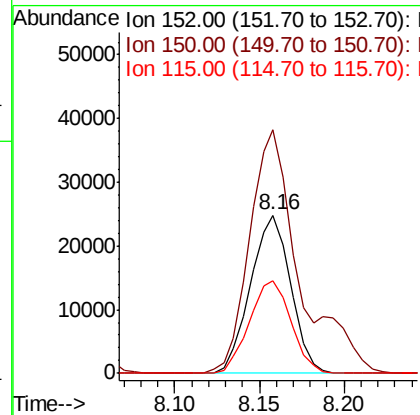
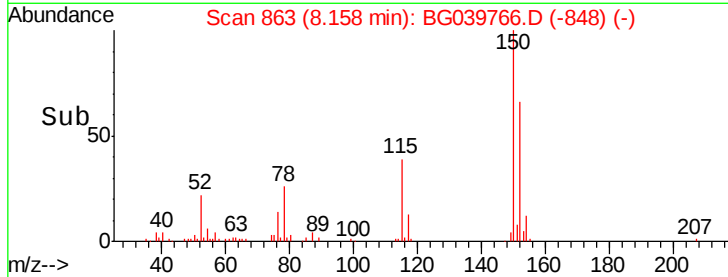
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 863  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

Tgt Ion:152 Resp: 40928  
Ion Ratio Lower Upper  
152 100  
150 154.1 123.7 185.5  
115 58.9 45.9 68.9



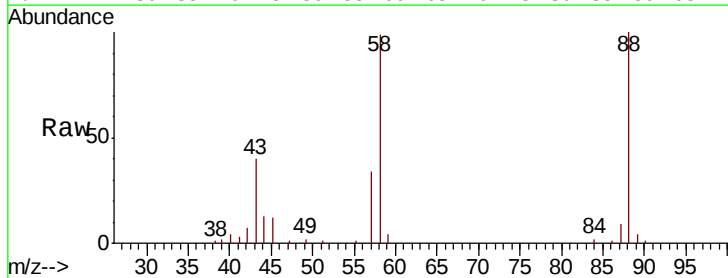
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



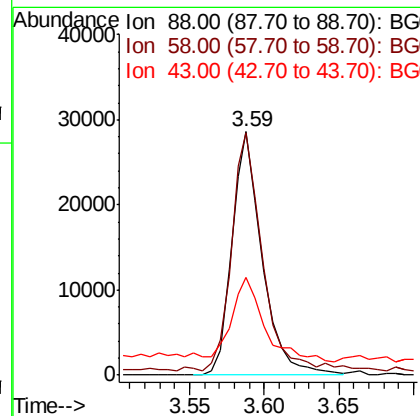
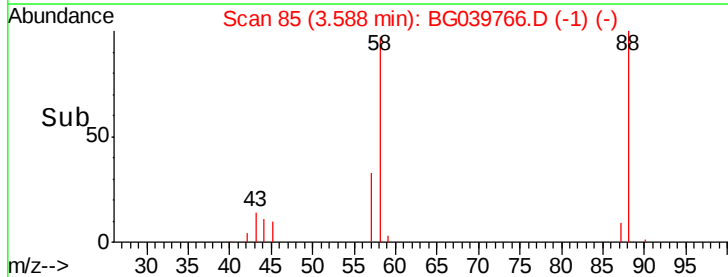
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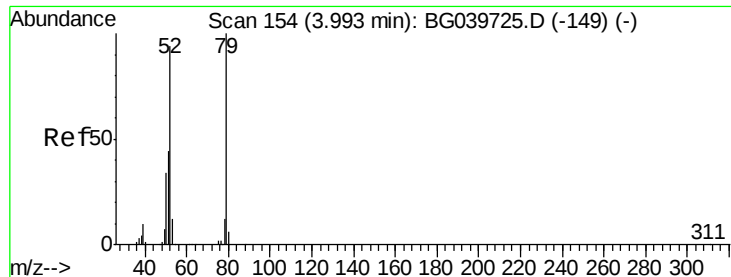
1,4-Dioxane  
Concen: 36.711 ng  
RT: 3.59 min Scan# 85  
Delta R.T. -0.02 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion: 88 Resp: 40660  
Ion Ratio Lower Upper  
88 100  
58 101.8 81.1 121.7  
43 36.5 31.4 47.0



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.731 ng

RT: 3.99 min Scan# 153

Delta R.T. -0.02 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

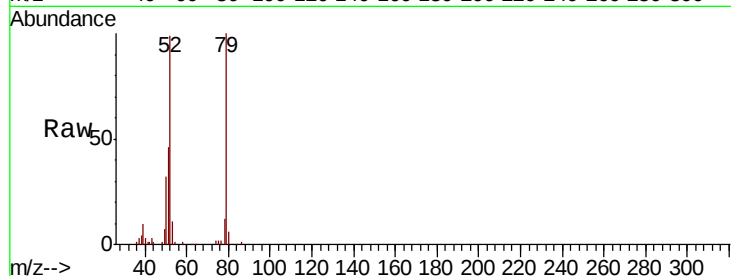
Tgt Ion: 79 Resp: 102983

Ion Ratio Lower Upper

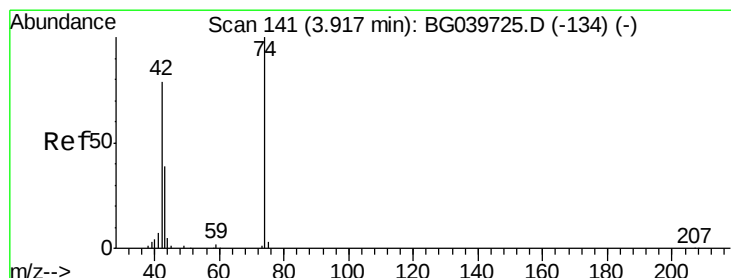
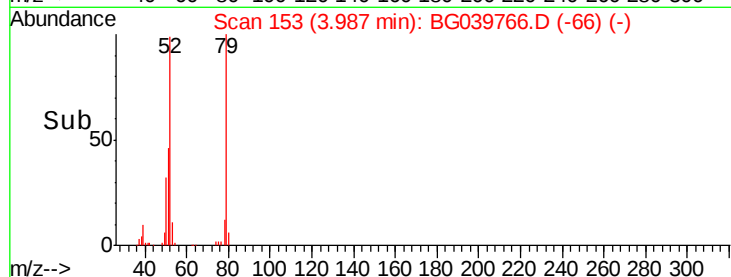
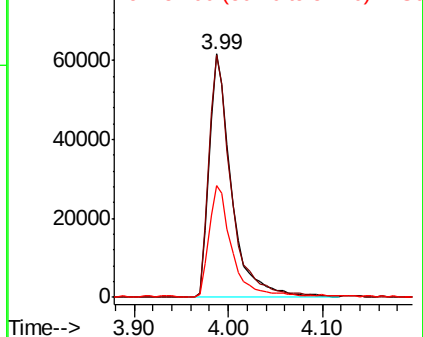
79 100

52 99.3 82.6 124.0

51 46.0 37.5 56.3



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 52.00 (51.70 to 52.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 39.554 ng

RT: 3.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

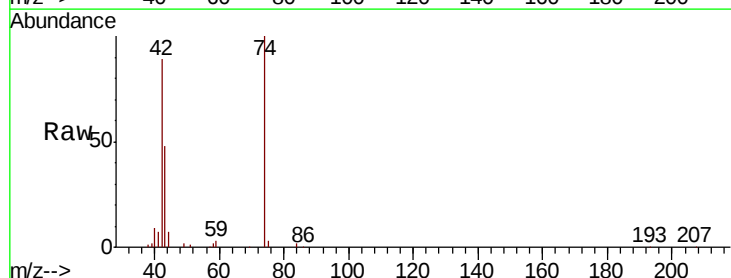
Tgt Ion: 42 Resp: 55639

Ion Ratio Lower Upper

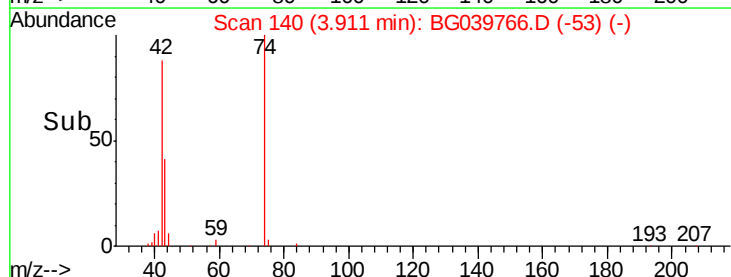
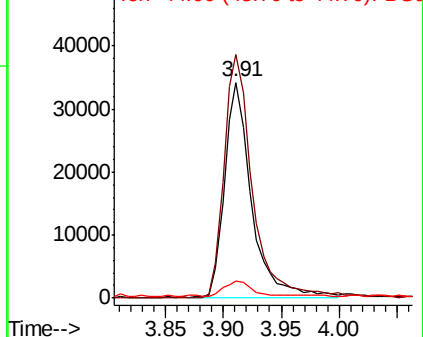
42 100

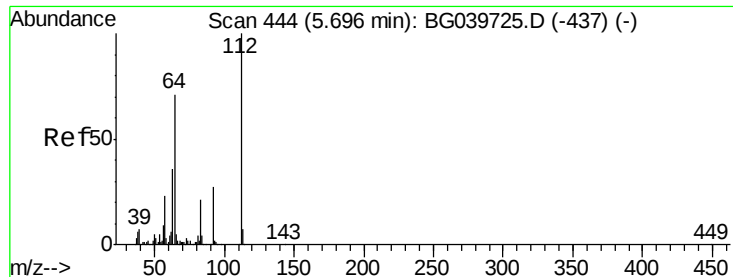
74 112.8 83.6 125.4

44 7.7 6.9 10.3



Abundance Ion 42.00 (41.70 to 42.70): BGC  
Ion 74.00 (73.70 to 74.70): BGC  
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 143.403 ng

RT: 5.70 min Scan# 445

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

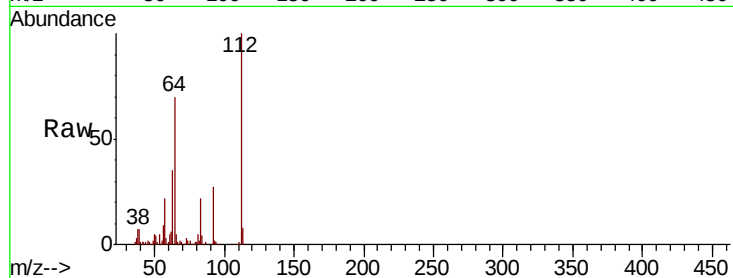
Tgt Ion: 112 Resp: 344031

Ion Ratio Lower Upper

112 100

64 69.6 57.8 86.8

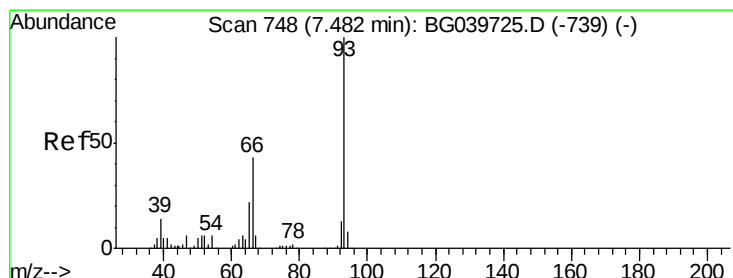
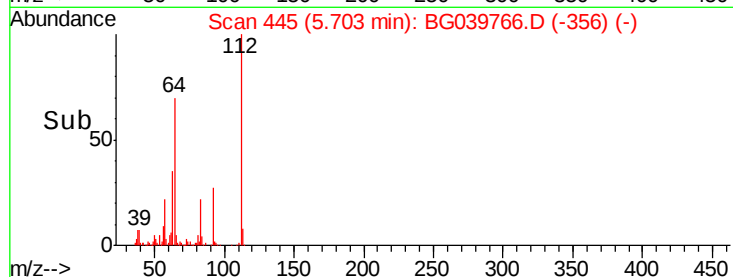
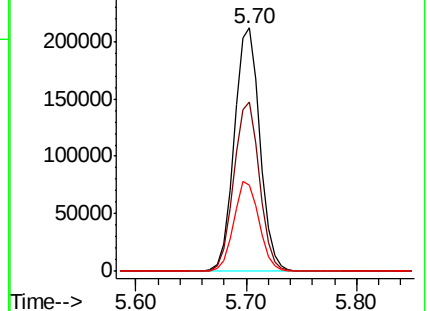
63 35.1 29.8 44.6



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: 30.879 ng

RT: 7.48 min Scan# 748

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

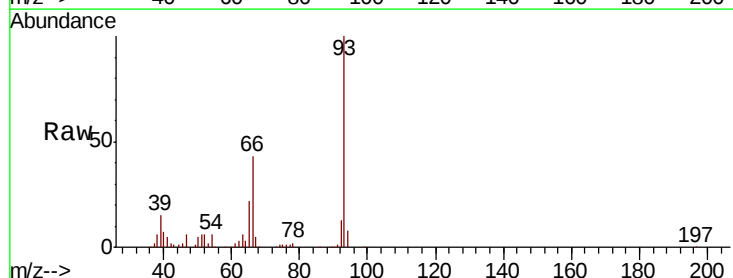
Tgt Ion: 93 Resp: 144716

Ion Ratio Lower Upper

93 100

66 42.8 34.2 51.4

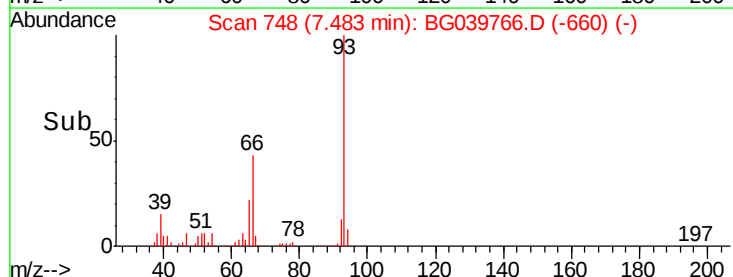
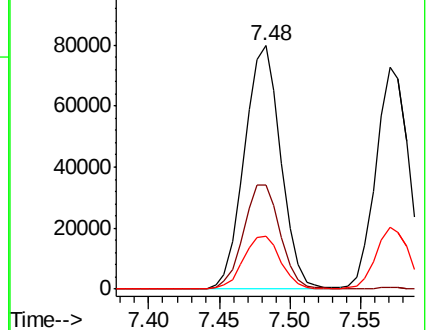
65 21.6 17.7 26.5

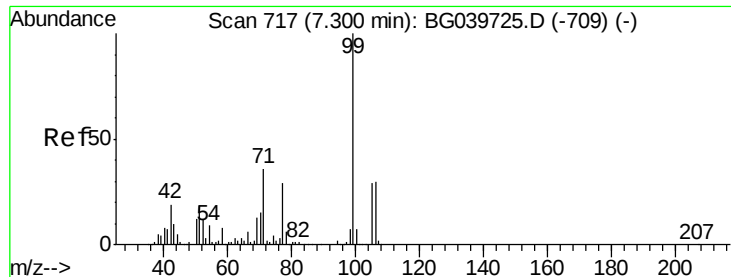


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.673 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

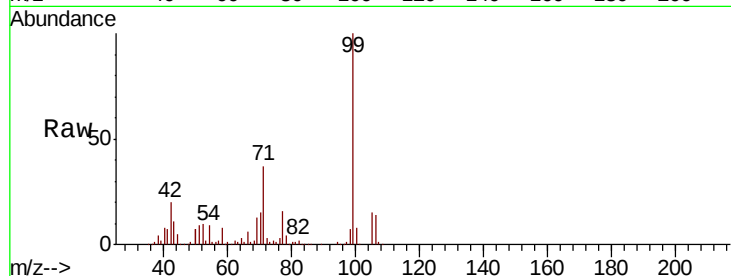
Tgt Ion: 99 Resp: 492474

Ion Ratio Lower Upper

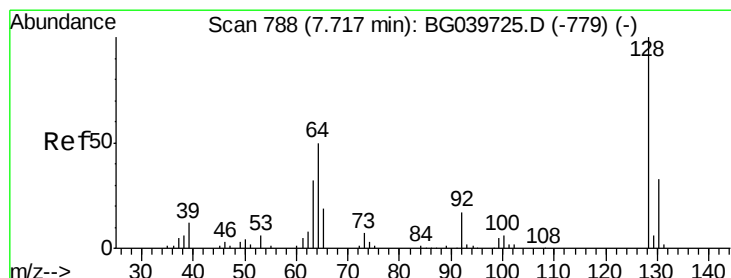
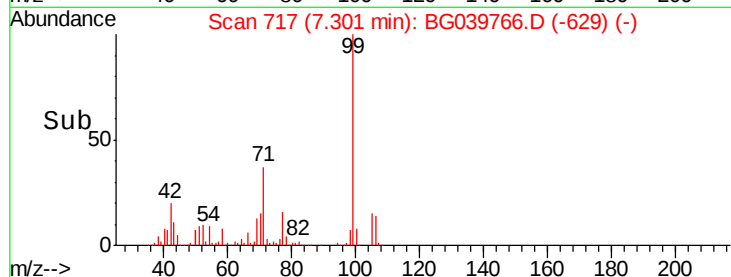
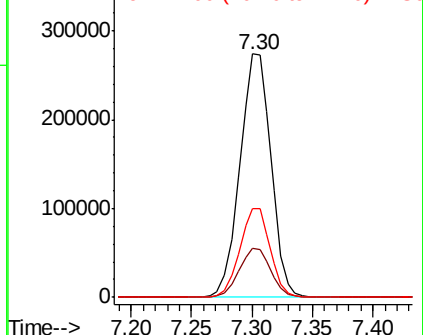
99 100

42 19.9 18.2 27.2

71 36.5 28.0 42.0



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



#8

2-Chlorophenol

Concen: 43.740 ng

RT: 7.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

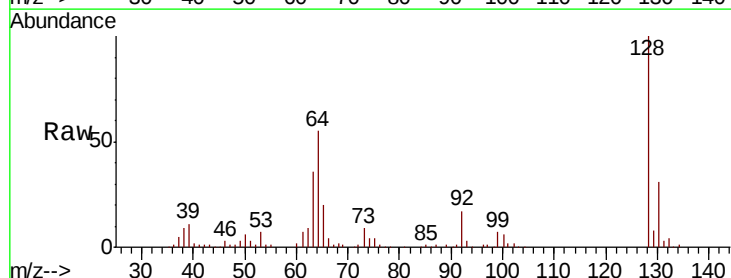
Tgt Ion: 128 Resp: 127306

Ion Ratio Lower Upper

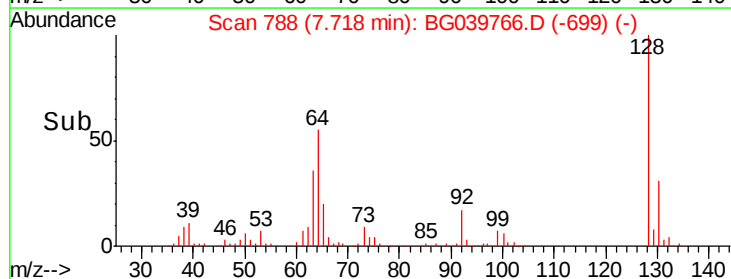
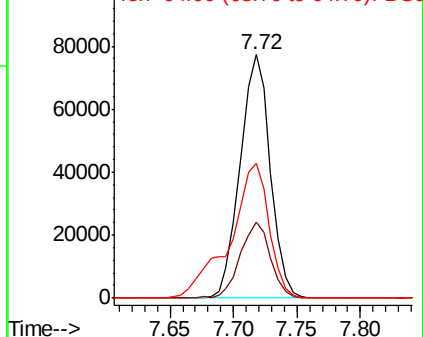
128 100

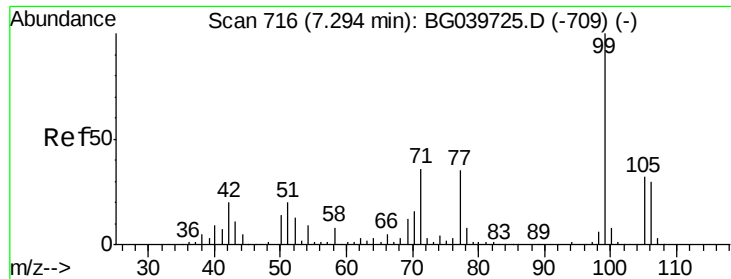
130 31.4 12.9 52.9

64 55.3 38.7 78.7



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





#9

Benzaldehyde

Concen: 35.258 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

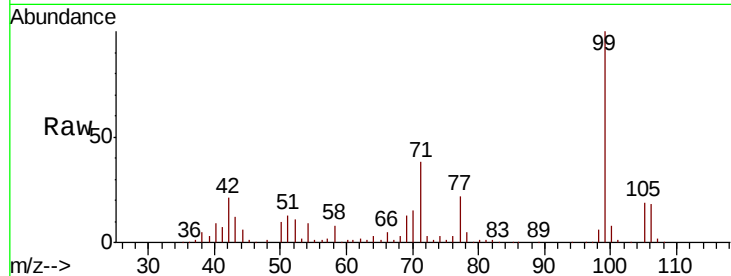
Tgt Ion: 77 Resp: 81356

Ion Ratio Lower Upper

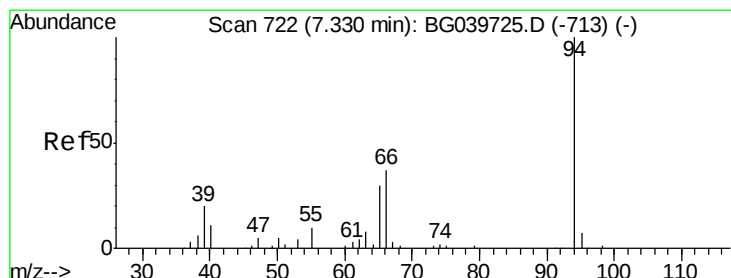
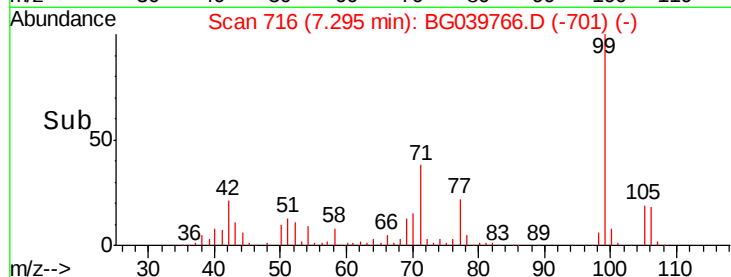
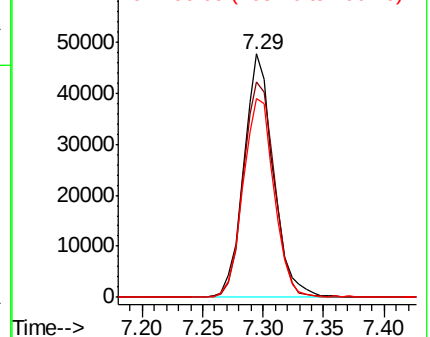
77 100

105 88.4 74.5 114.5

106 81.9 68.0 108.0



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: 44.651 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

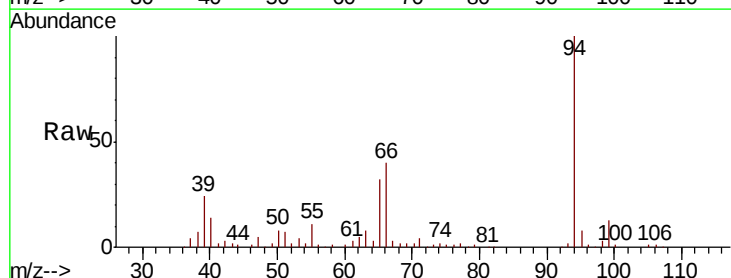
Tgt Ion: 94 Resp: 173031

Ion Ratio Lower Upper

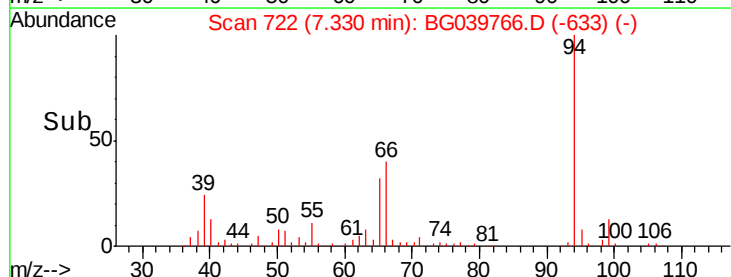
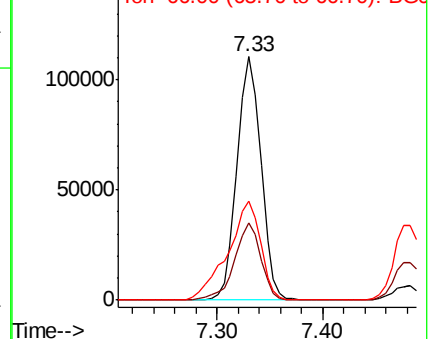
94 100

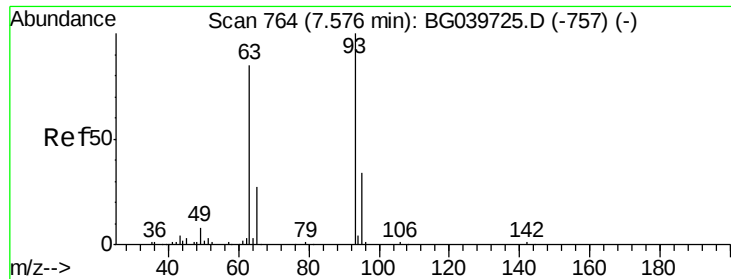
65 31.5 11.7 51.7

66 40.4 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



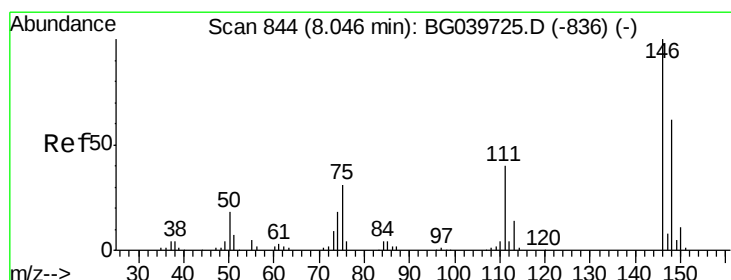
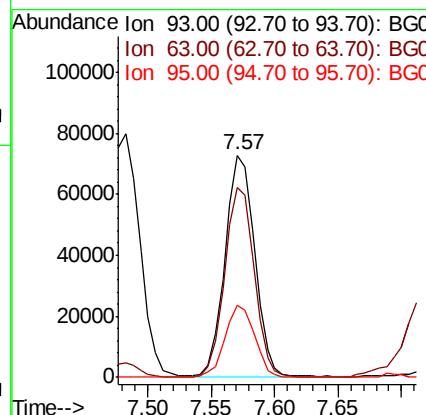
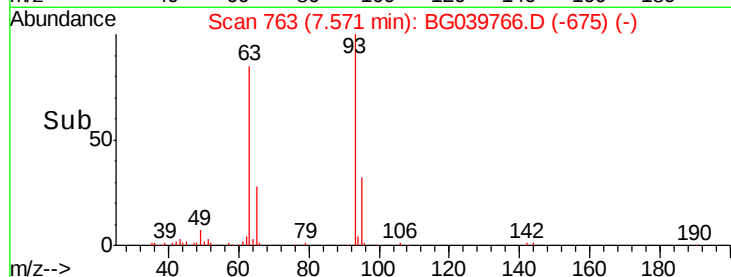
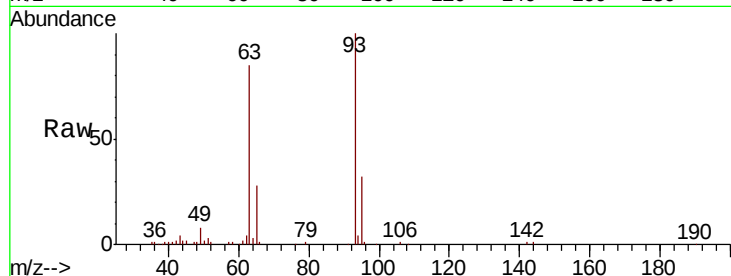


#11  
bis(2-Chloroethyl)ether  
Concen: 39.364 ng  
RT: 7.57 min Scan# 763  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

Tgt Ion: 93 Resp: 118933  

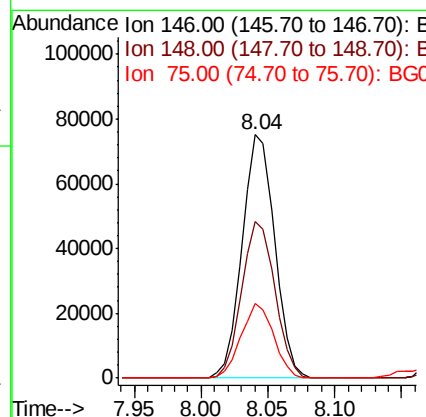
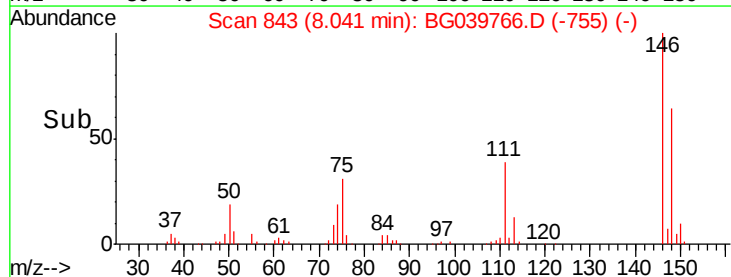
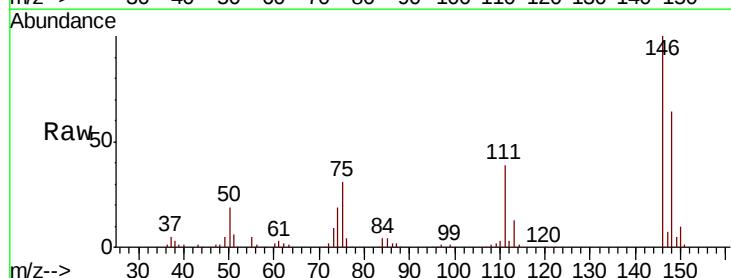
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 85.4  | 69.5  | 109.5 |
| 95  | 32.4  | 12.7  | 52.7  |

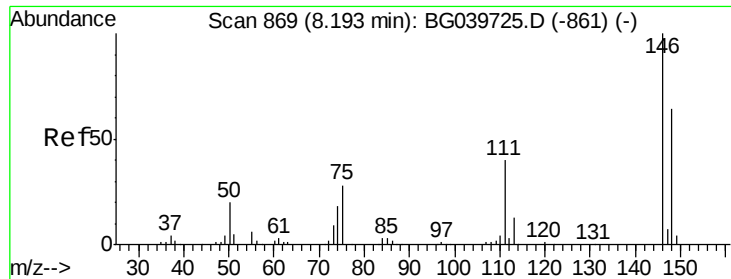


#12  
1,3-Dichlorobenzene  
Concen: 38.450 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion: 146 Resp: 126567  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.1  | 52.6  | 79.0  |
| 75  | 30.6  | 25.8  | 38.6  |

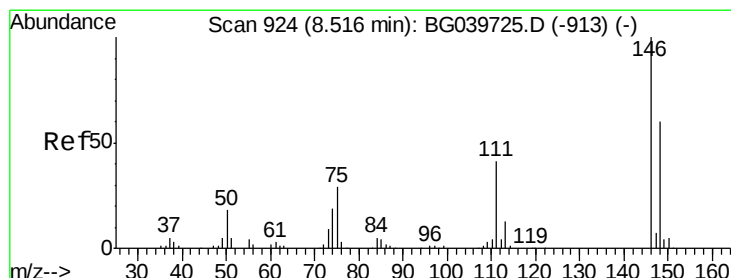
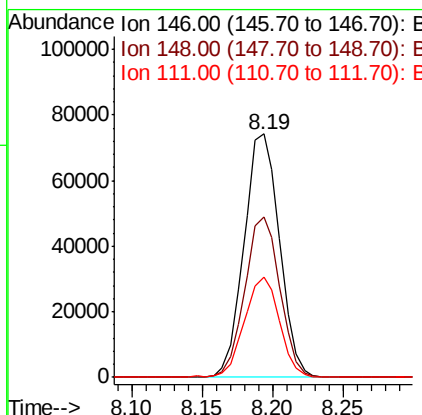
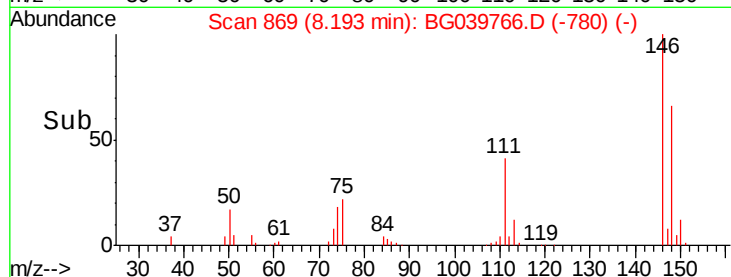
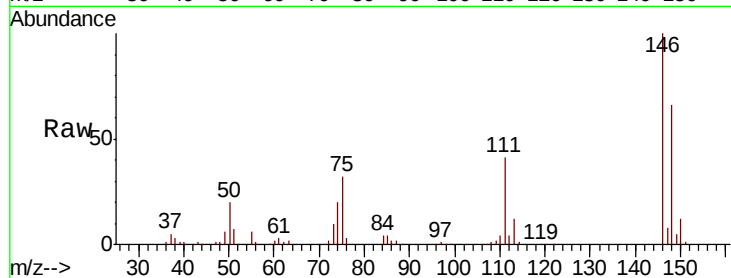




#13  
 1,4-Dichlorobenzene  
 Concen: 39.012 ng  
 RT: 8.19 min Scan# 869  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

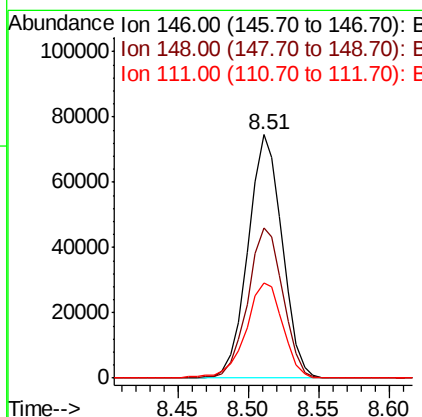
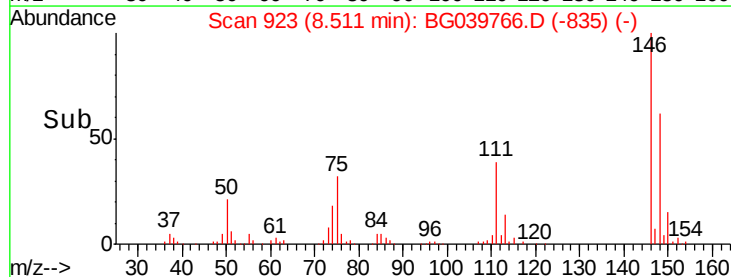
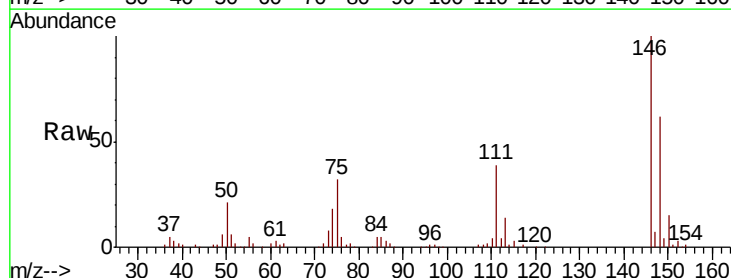
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB117619BSD

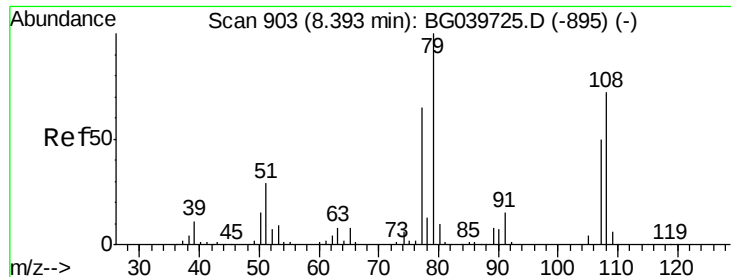
Tgt Ion:146 Resp: 130802  
 Ion Ratio Lower Upper  
 146 100  
 148 65.9 51.1 76.7  
 111 41.0 32.6 48.8



#14  
 1,2-Dichlorobenzene  
 Concen: 39.090 ng  
 RT: 8.51 min Scan# 923  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:146 Resp: 126634  
 Ion Ratio Lower Upper  
 146 100  
 148 61.8 51.5 77.3  
 111 38.8 33.8 50.6





#15

Benzyl Alcohol

Concen: 42.883 ng

RT: 8.39 min Scan# 903

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

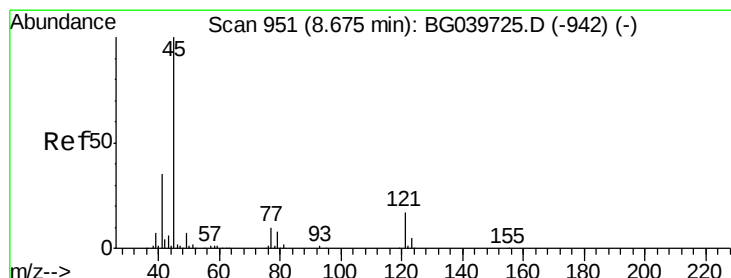
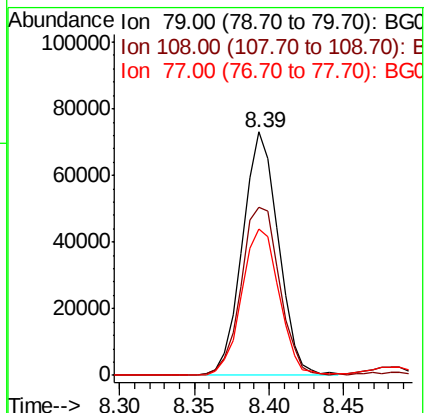
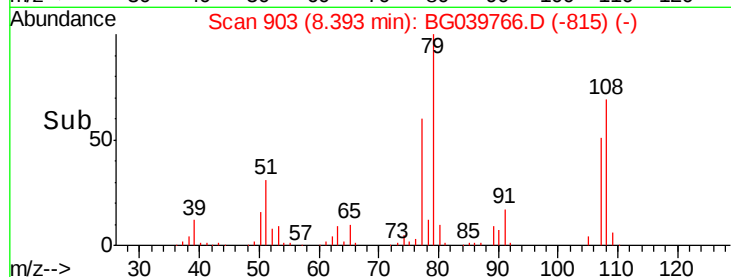
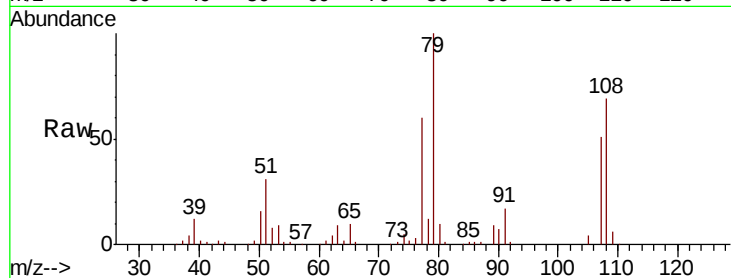
Tgt Ion: 79 Resp: 121683

Ion Ratio Lower Upper

79 100

108 69.1 57.8 86.6

77 59.9 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.515 ng

RT: 8.68 min Scan# 951

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

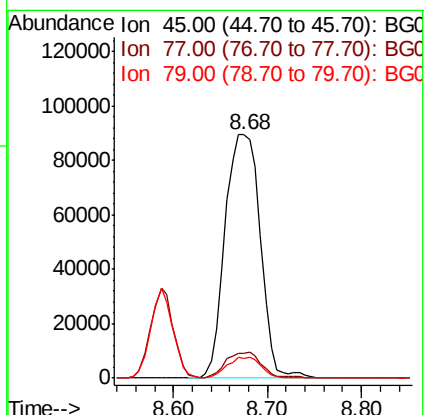
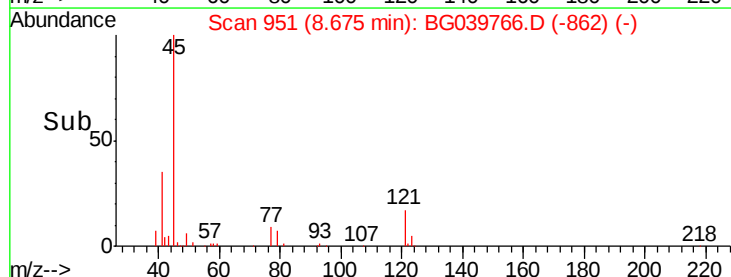
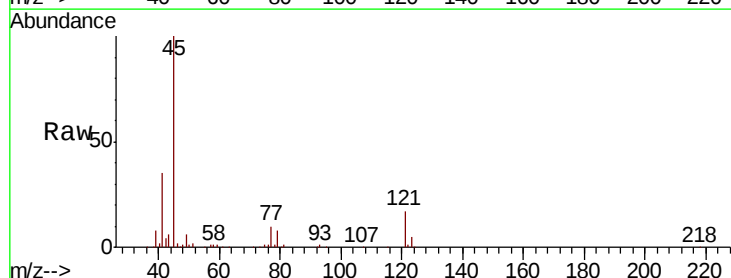
Tgt Ion: 45 Resp: 232739

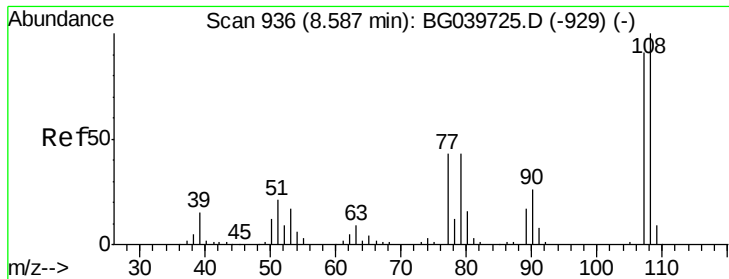
Ion Ratio Lower Upper

45 100

77 10.0 0.0 30.0

79 7.9 0.0 27.5

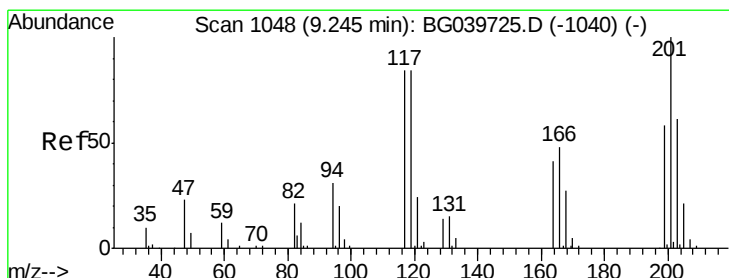
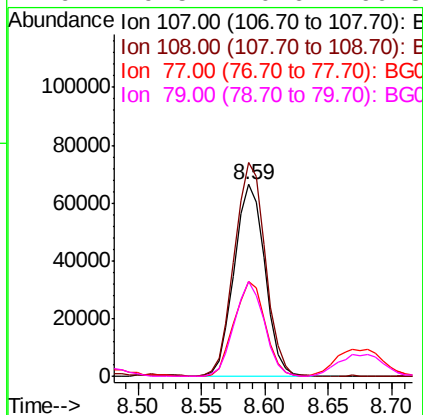
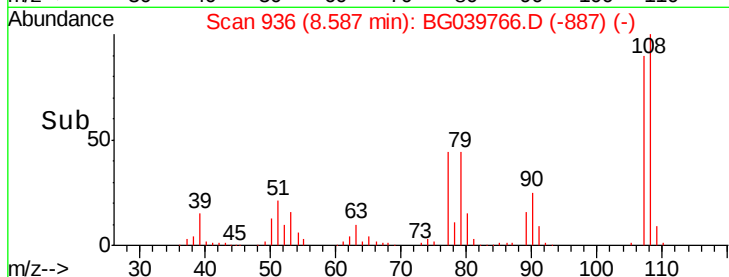
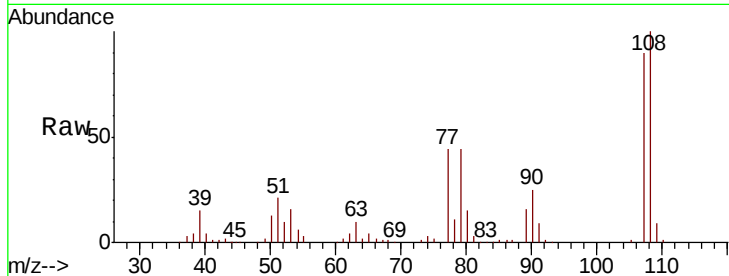




#17  
2-Methylphenol  
Concen: 45.115 ng  
RT: 8.59 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

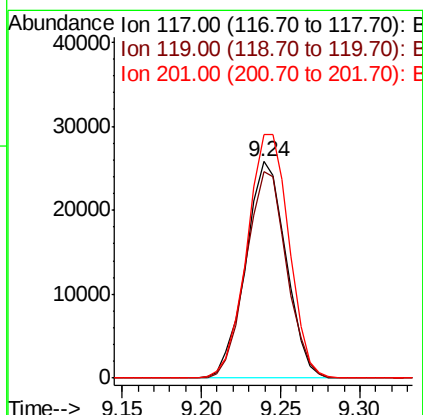
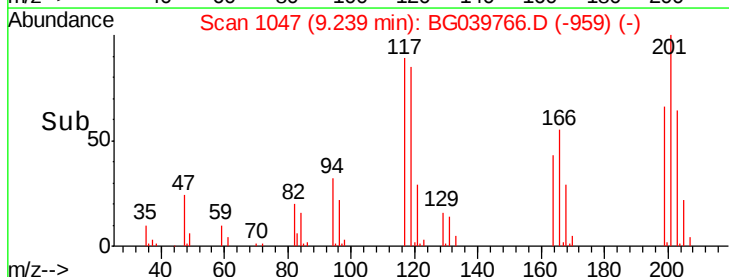
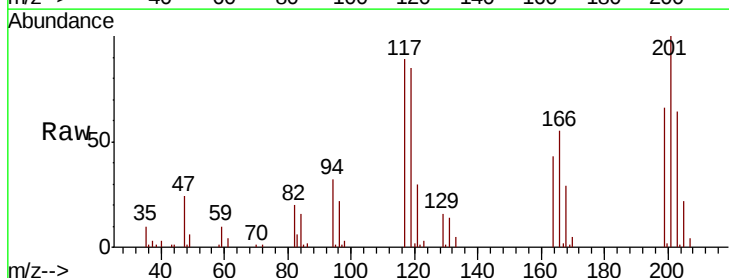
Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

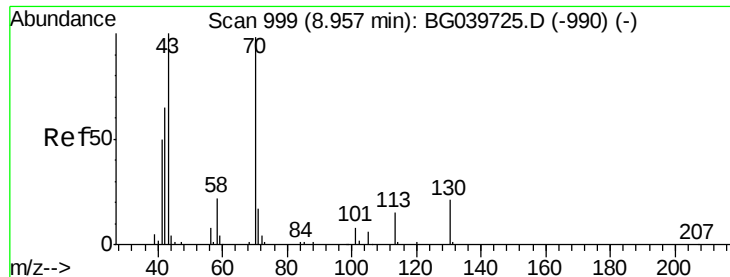
Tgt Ion:107 Resp: 111476  
Ion Ratio Lower Upper  
107 100  
108 111.4 90.8 136.2  
77 49.5 40.7 61.1  
79 49.5 40.6 60.8



#18  
Hexachloroethane  
Concen: 37.905 ng  
RT: 9.24 min Scan# 1047  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:117 Resp: 45602  
Ion Ratio Lower Upper  
117 100  
119 95.2 76.3 114.5  
201 112.4 91.1 136.7

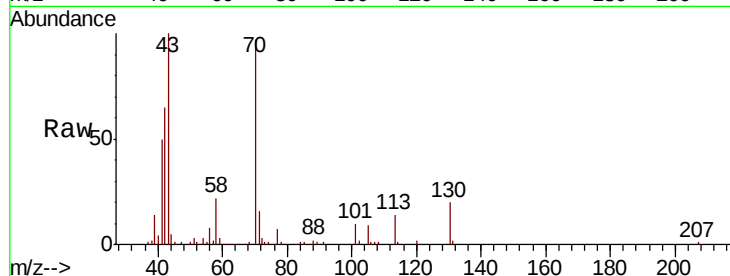




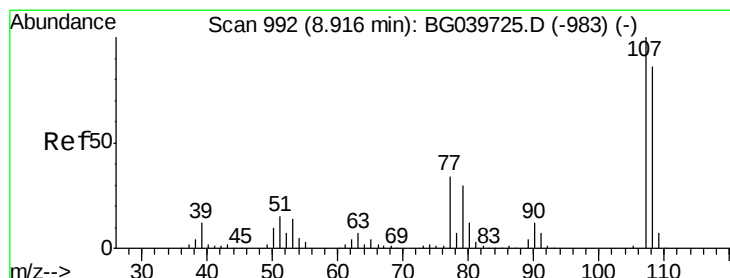
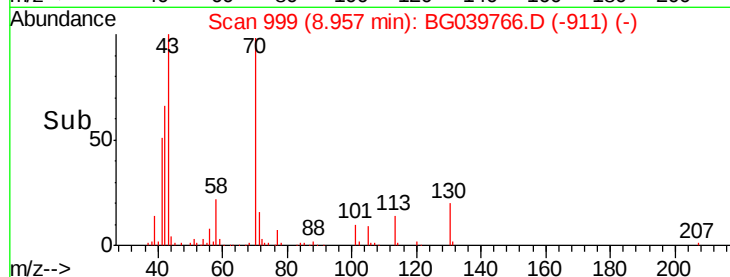
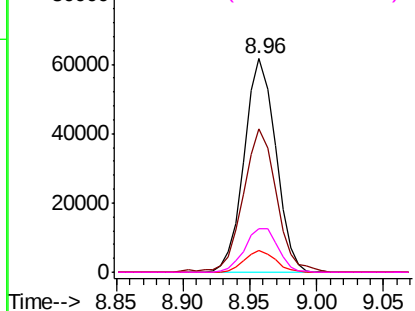
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.089 ng  
RT: 8.96 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

Tgt Ion: 70 Resp: 100644  
Ion Ratio Lower Upper  
70 100  
42 67.2 60.4 90.6  
101 10.2 7.5 11.3  
130 20.3 16.9 25.3

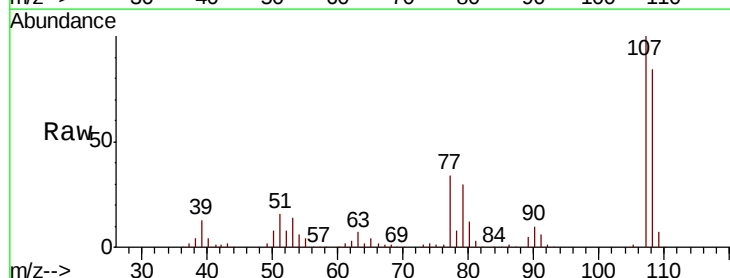


Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

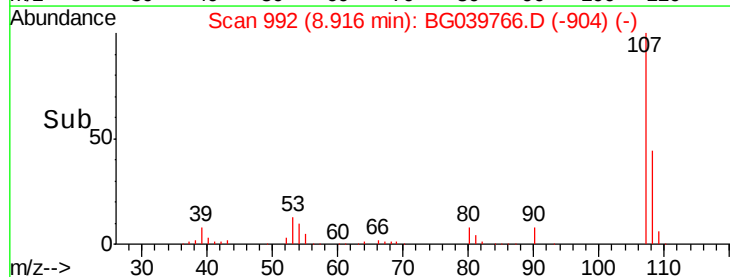
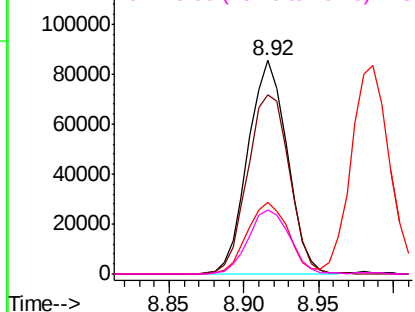


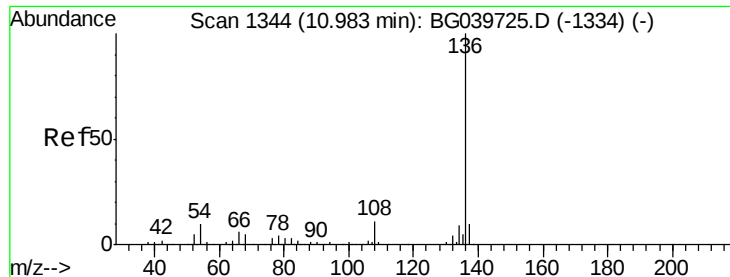
#20  
3+4-Methylphenols  
Concen: 45.574 ng  
RT: 8.92 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion: 107 Resp: 156442  
Ion Ratio Lower Upper  
107 100  
108 84.0 67.9 107.9  
77 33.7 15.4 55.4  
79 30.2 13.7 53.7



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

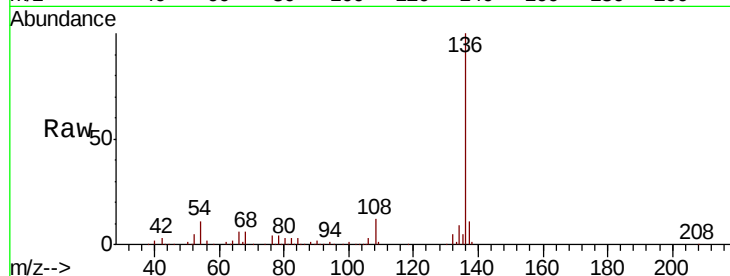




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.98 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 177574 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.4  | 9.1   | 13.7   |
| 54       | 11.0  | 9.4   | 14.2   |
| 68       | 6.3   | 4.2   | 6.4    |



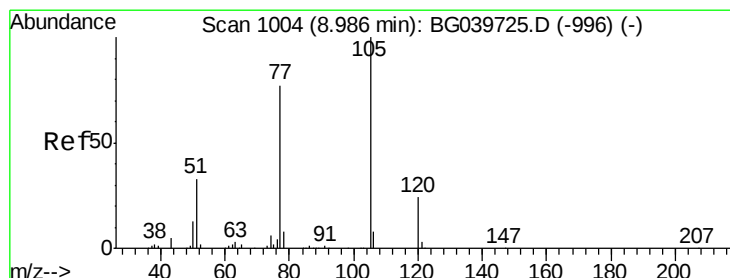
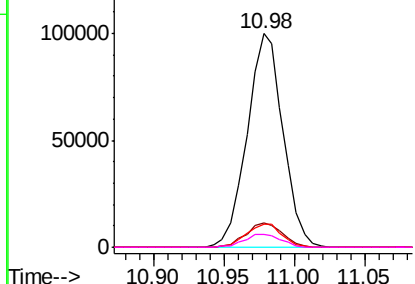
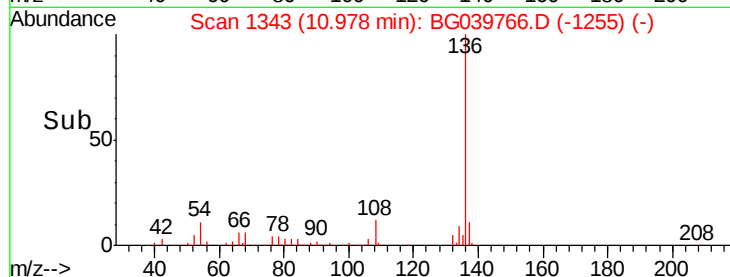
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

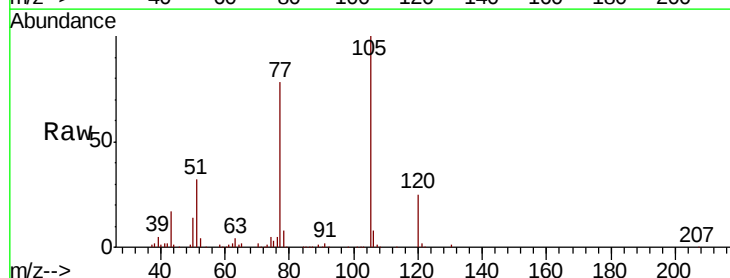
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22  
Acetophenone  
Concen: 39.382 ng  
RT: 8.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 187696 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.3   | 0.8   | 1.2#   |
| 51       | 32.5  | 30.2  | 45.2   |
| 120      | 24.9  | 18.0  | 27.0   |



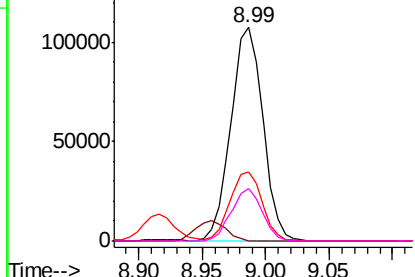
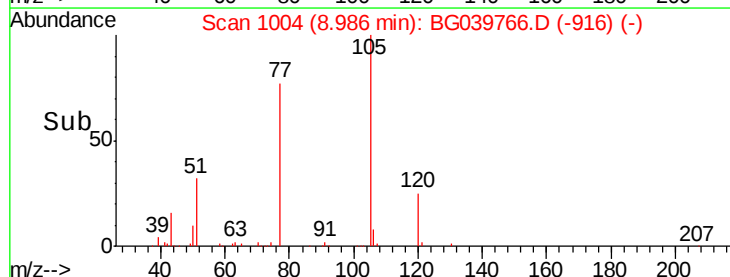
Abundance

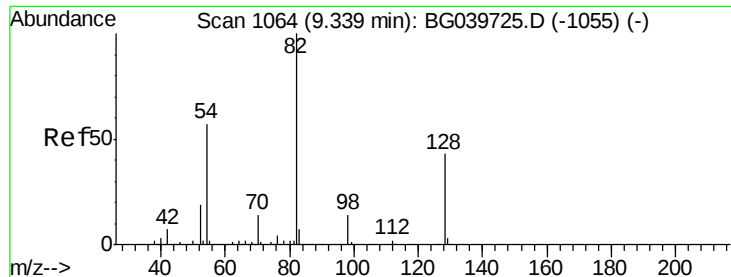
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 80.842 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

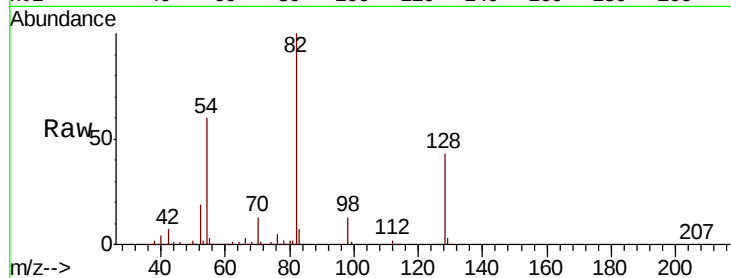
Tgt Ion: 82 Resp: 265427

Ion Ratio Lower Upper

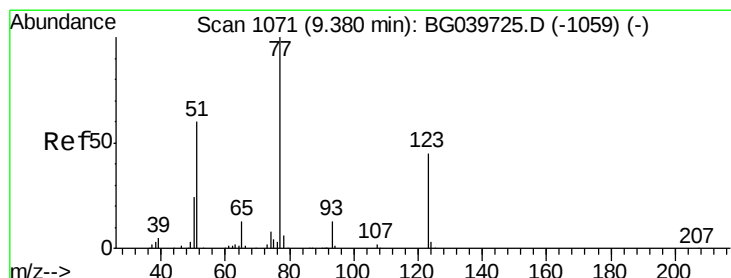
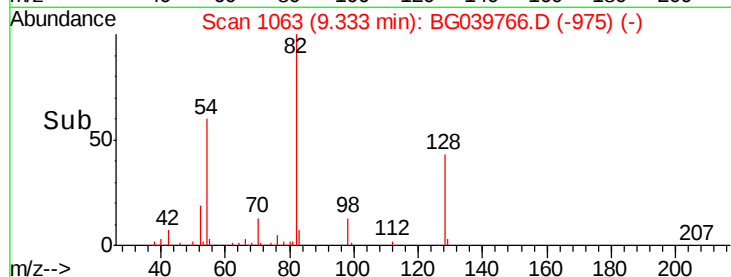
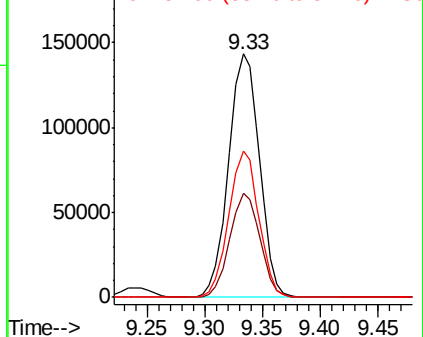
82 100

128 42.5 31.3 46.9

54 60.0 50.9 76.3



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: 42.139 ng

RT: 9.38 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

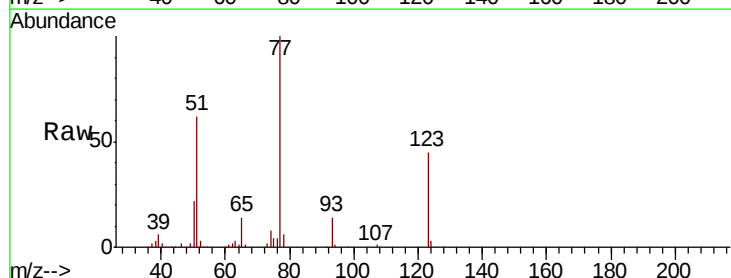
Tgt Ion: 77 Resp: 145145

Ion Ratio Lower Upper

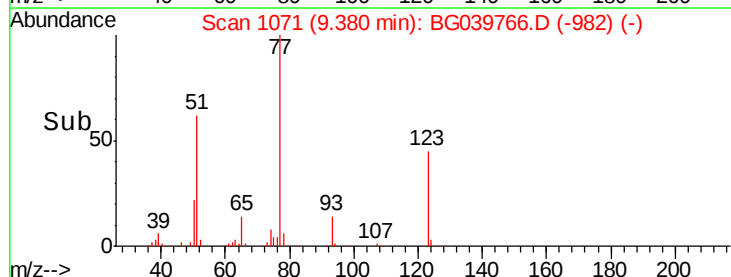
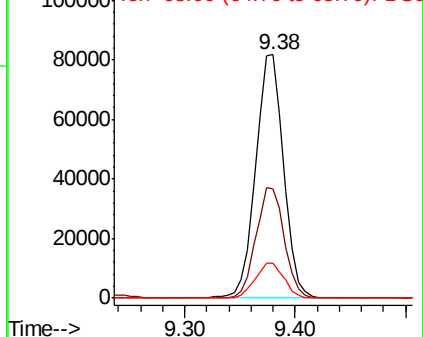
77 100

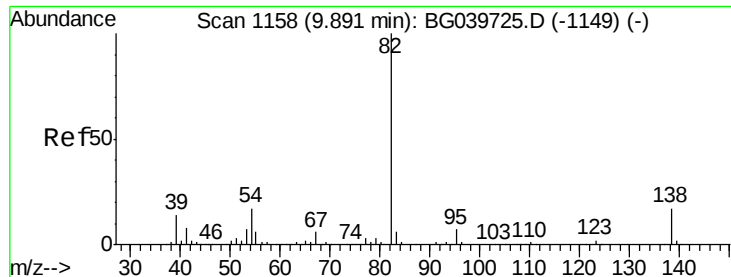
123 44.8 34.1 51.1

65 14.3 12.3 18.5



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: 41.576 ng

RT: 9.89 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

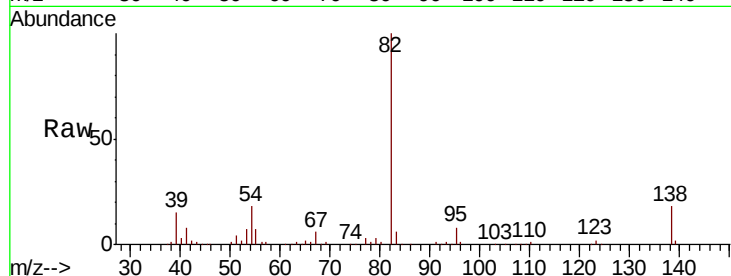
Tgt Ion: 82 Resp: 286028

Ion Ratio Lower Upper

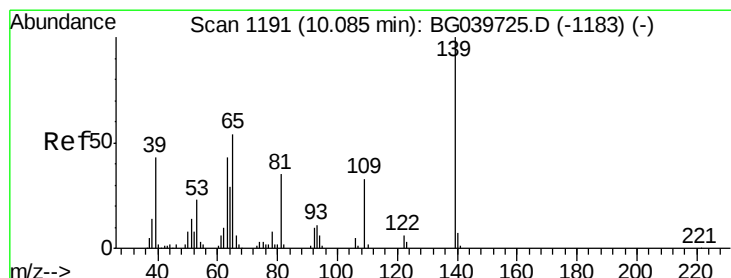
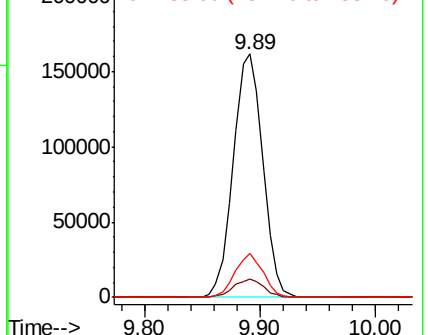
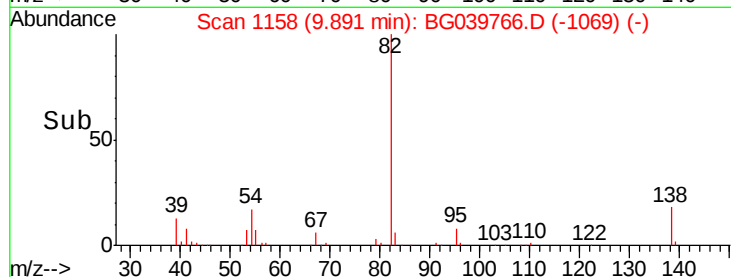
82 100

95 7.6 6.2 9.2

138 18.0 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 42.540 ng

RT: 10.09 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

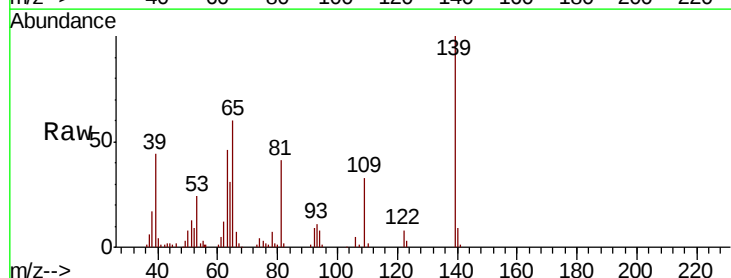
Tgt Ion: 139 Resp: 70746

Ion Ratio Lower Upper

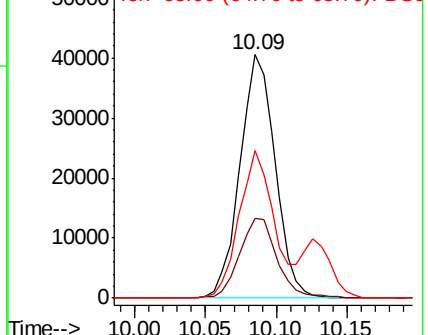
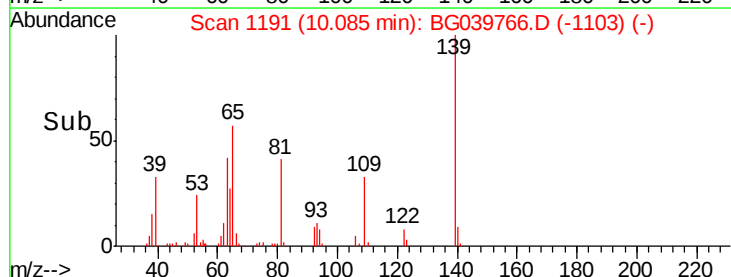
139 100

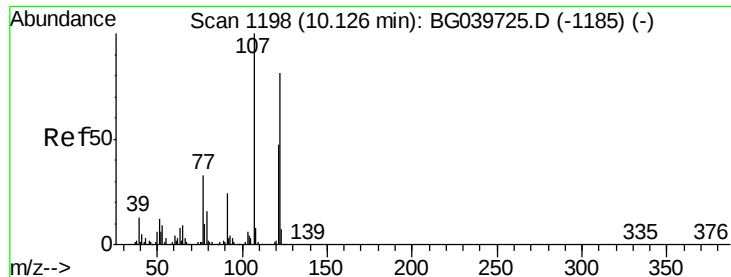
109 33.0 23.4 35.0

65 60.4 44.3 66.5



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

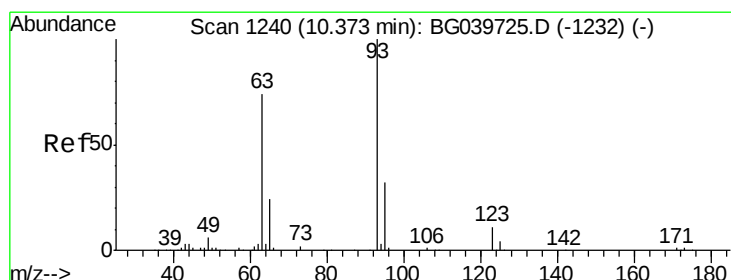
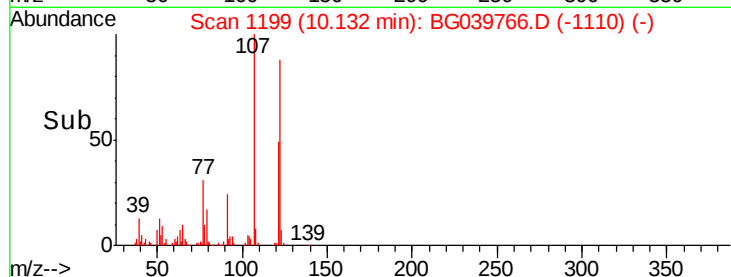
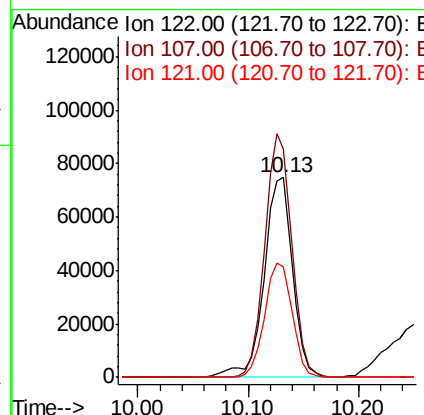
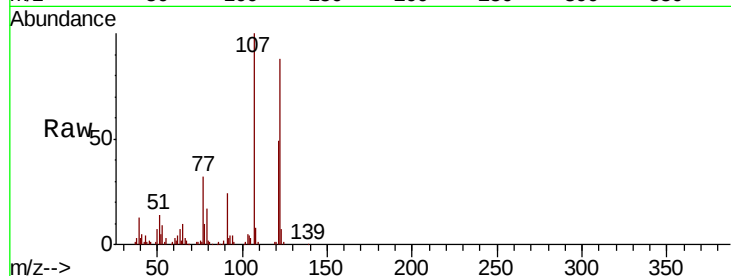




#27  
2,4-Dimethylphenol  
Concen: 52.238 ng  
RT: 10.13 min Scan# 1199  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

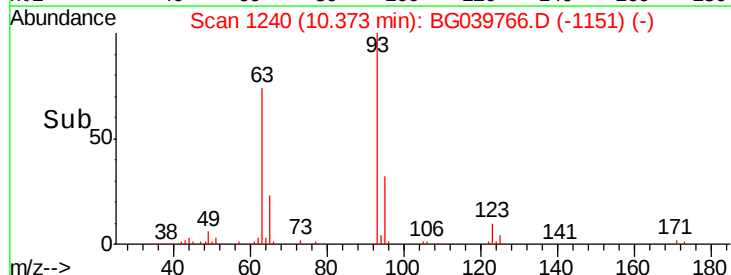
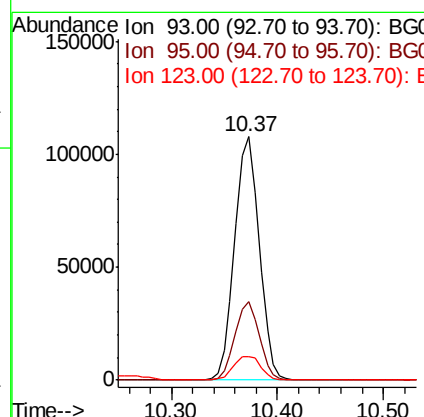
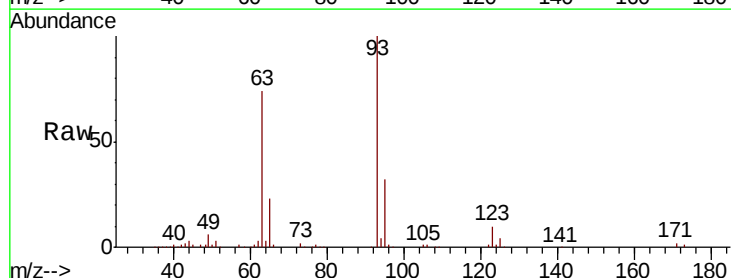
Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

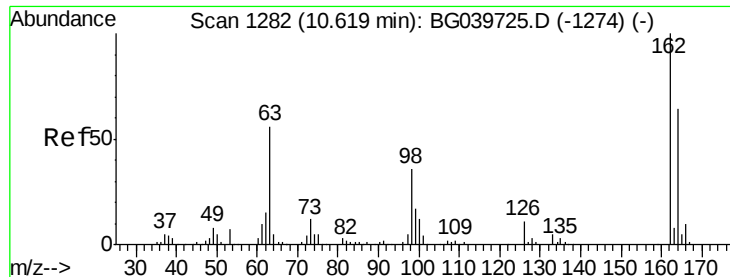
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.9 | 91.7  | 137.5 |
| 121     | 55.5  | 46.4  | 69.6  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.518 ng  
RT: 10.37 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 25.0  | 37.4  |
| 123     | 9.8   | 8.6   | 12.8  |

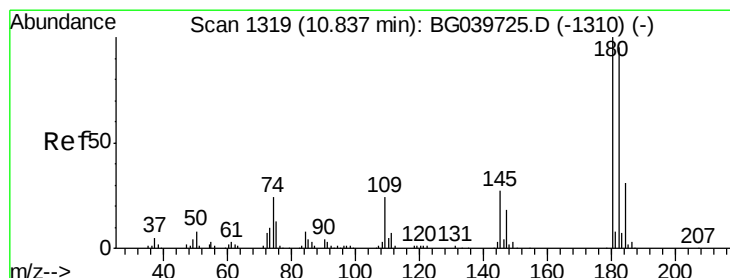
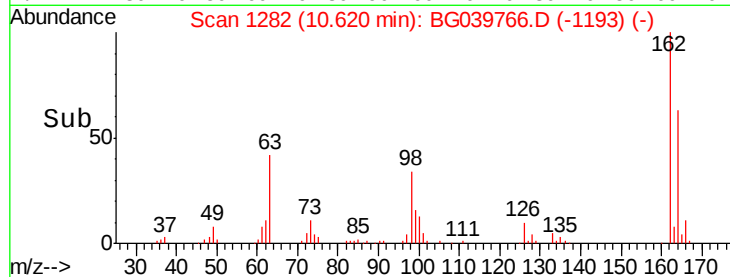
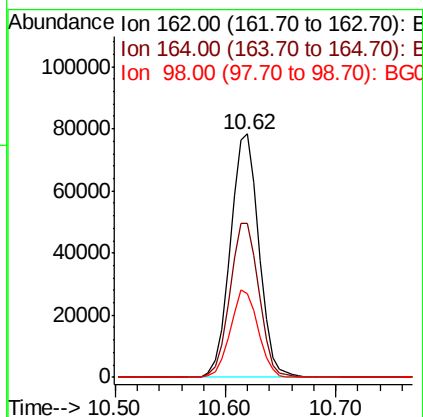
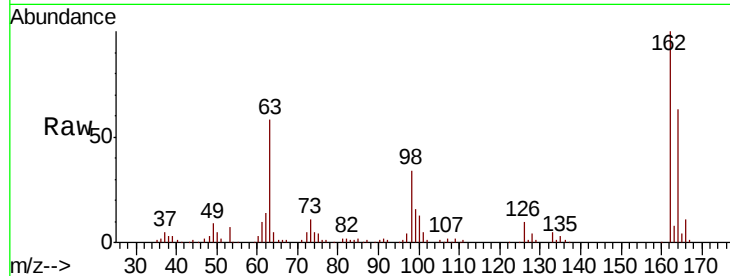




#29  
 2,4-Dichlorophenol  
 Concen: 48.808 ng  
 RT: 10.62 min Scan# 1282  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

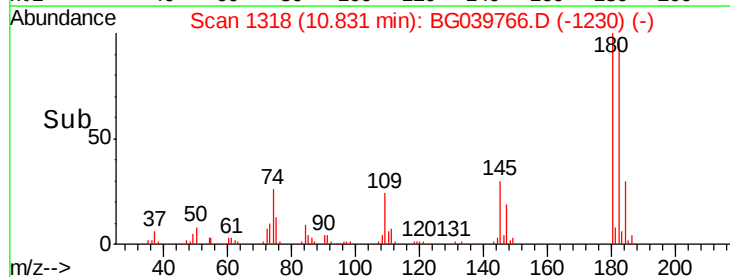
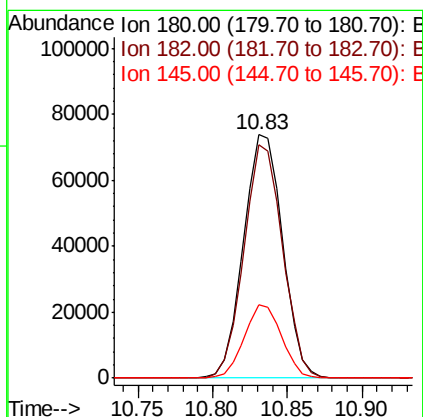
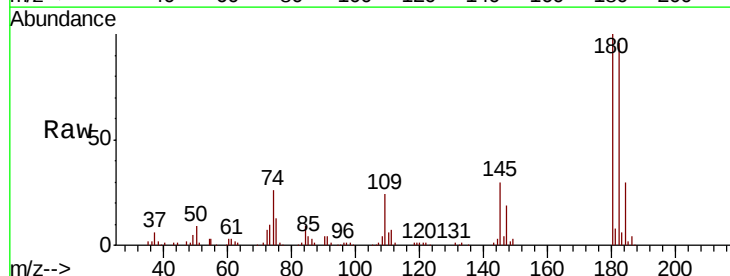
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

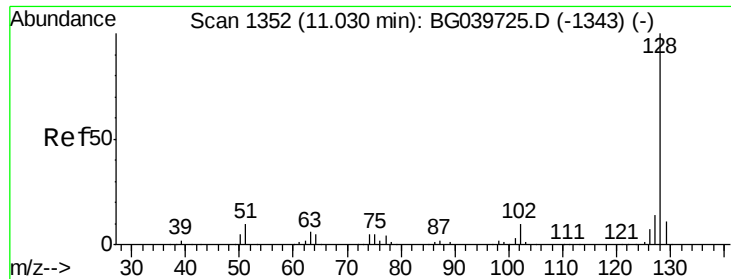
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.3  | 48.1  | 88.1  |
| 98      | 34.4  | 18.1  | 58.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.774 ng  
 RT: 10.83 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.7  | 76.0  | 114.0 |
| 145     | 29.9  | 22.7  | 34.1  |

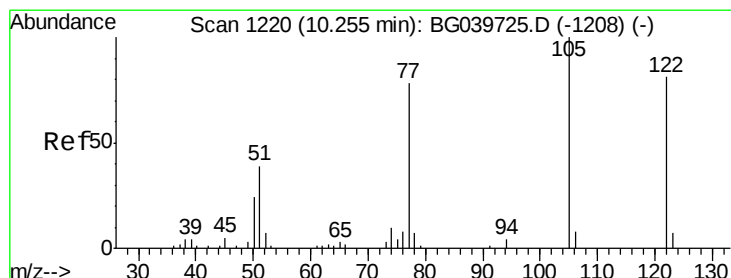
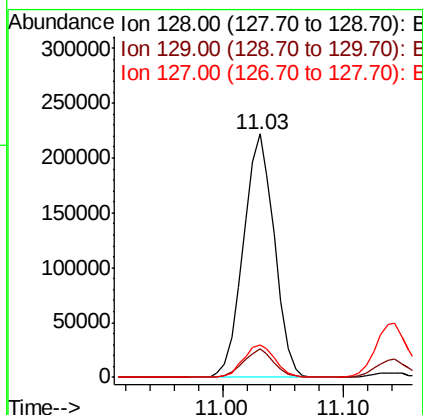
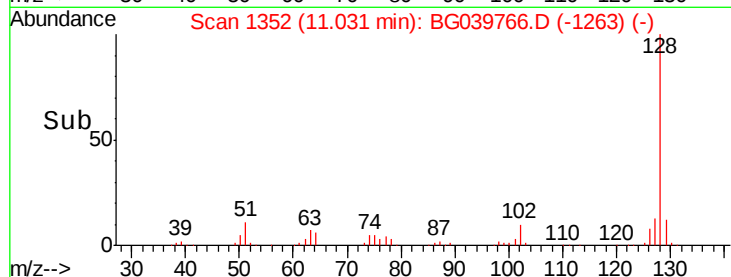
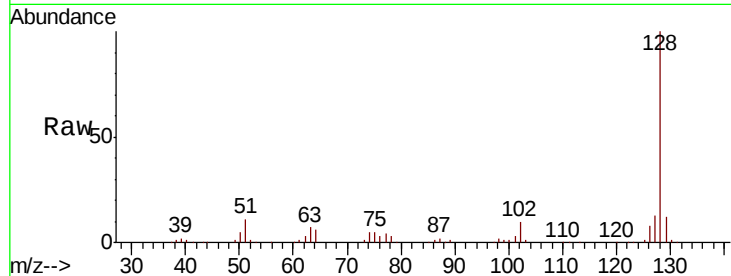




#31  
Naphthalene  
Concen: 41.973 ng  
RT: 11.03 min Scan# 1352  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

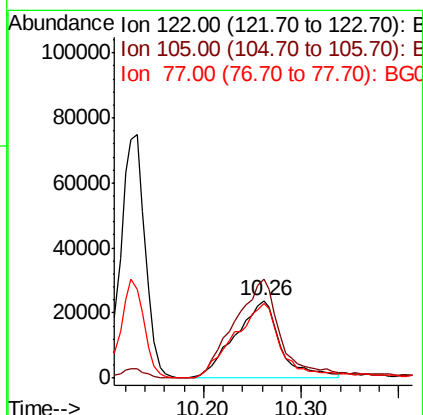
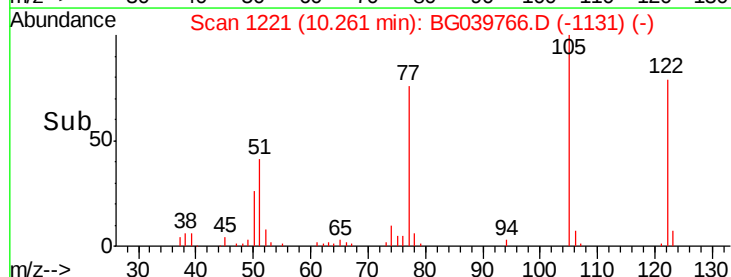
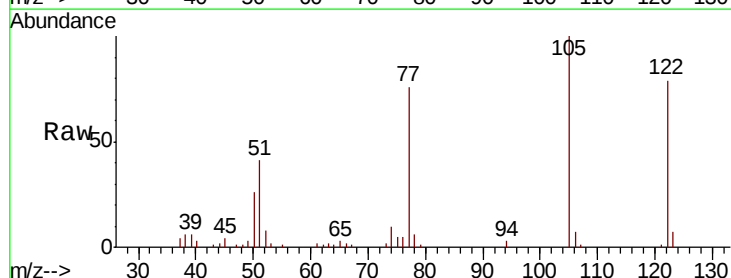
Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

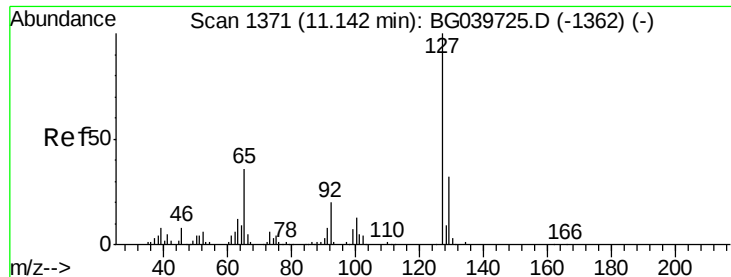
Tgt Ion:128 Resp: 394620  
Ion Ratio Lower Upper  
128 100  
129 11.9 8.7 13.1  
127 13.1 10.8 16.2



#32  
Benzoic acid  
Concen: 44.342 ng  
RT: 10.26 min Scan# 1221  
Delta R.T. 0.00 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:122 Resp: 77712  
Ion Ratio Lower Upper  
122 100  
105 127.3 101.8 141.8  
77 96.8 76.3 116.3

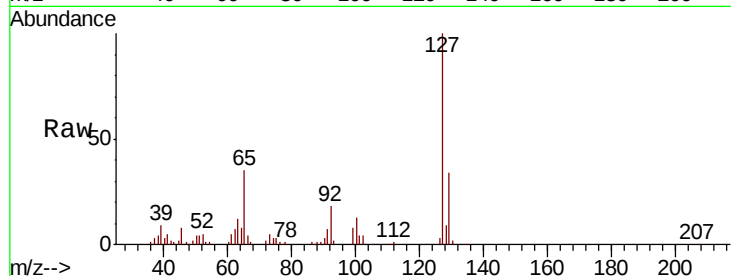




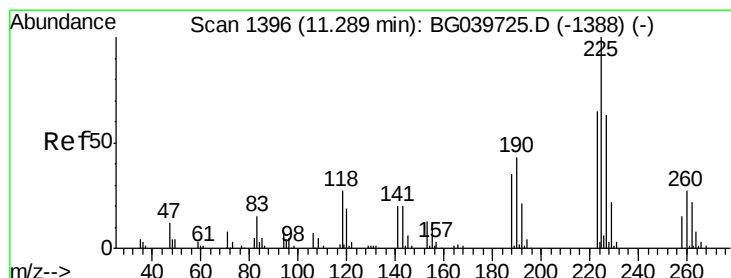
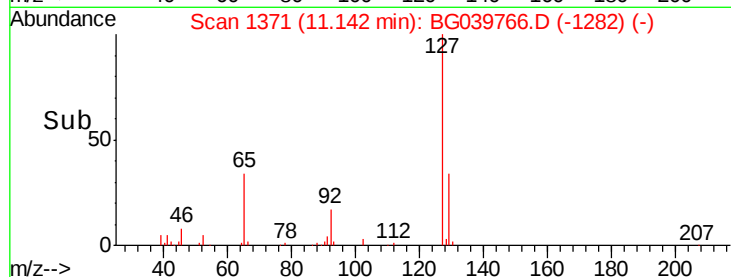
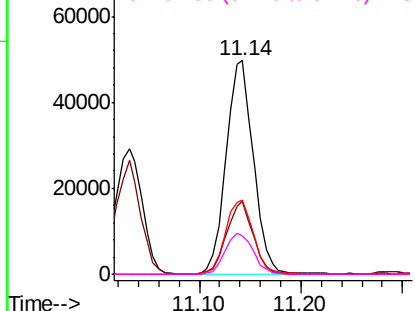
#33  
4-Chloroaniline  
Concen: 23.330 ng  
RT: 11.14 min Scan# 1371  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 93010 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 34.1  | 27.0  | 40.4  |
| 65       | 34.8  | 28.8  | 43.2  |
| 92       | 17.9  | 16.6  | 25.0  |

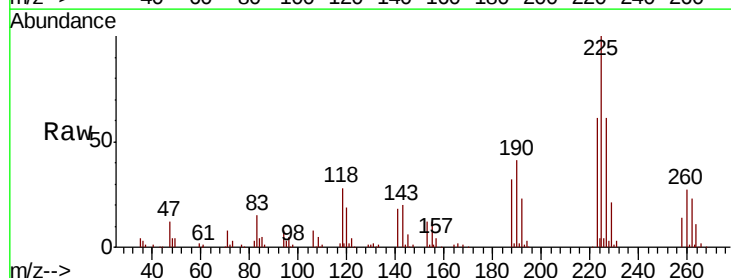


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGO  
Ion 92.00 (91.70 to 92.70): BGO

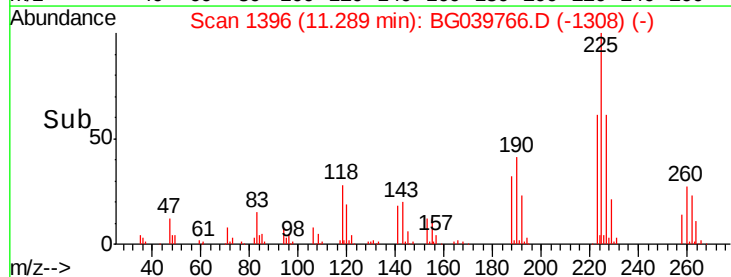
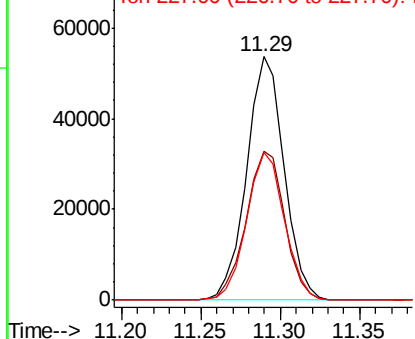


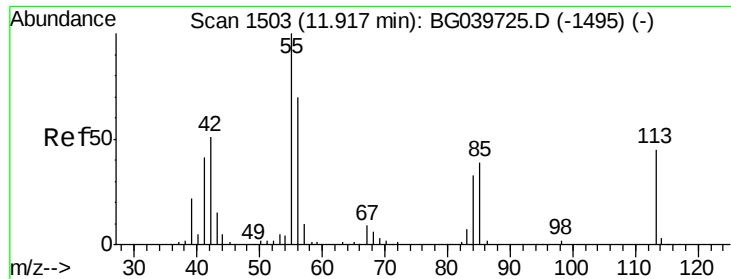
#34  
Hexachlorobutadiene  
Concen: 39.227 ng  
RT: 11.29 min Scan# 1396  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 87838 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 61.4  | 49.0  | 73.6  |
| 227      | 60.9  | 46.3  | 69.5  |



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: 26.218 ng

RT: 11.92 min Scan# 1503

Delta R.T. -0.02 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

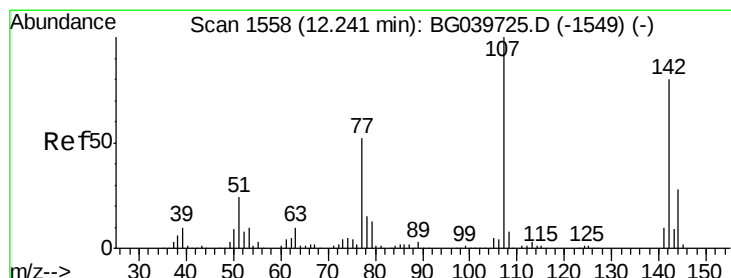
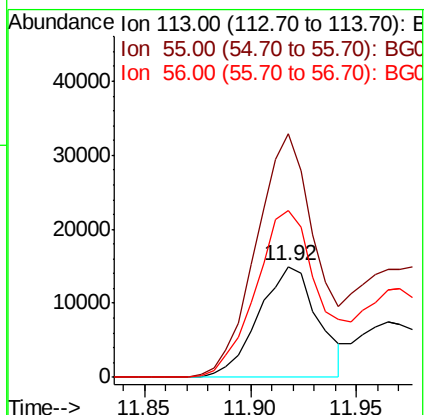
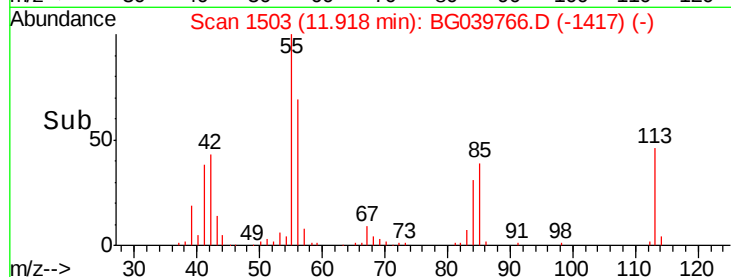
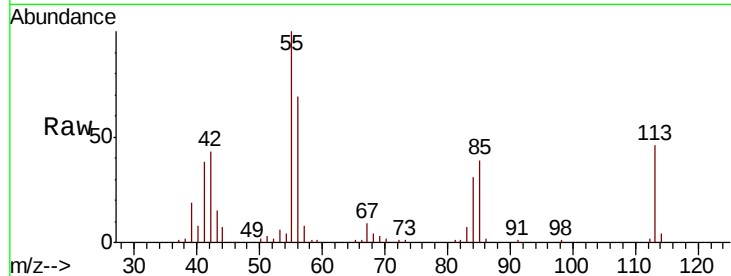
Tgt Ion:113 Resp: 29165

Ion Ratio Lower Upper

113 100

55 219.2 216.9 256.9

56 150.4 152.6 192.6#



#36

4-Chloro-3-methylphenol

Concen: 45.316 ng

RT: 12.24 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

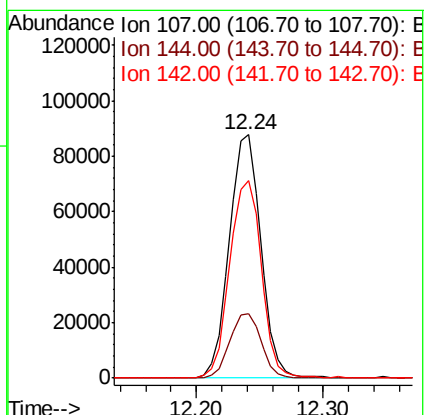
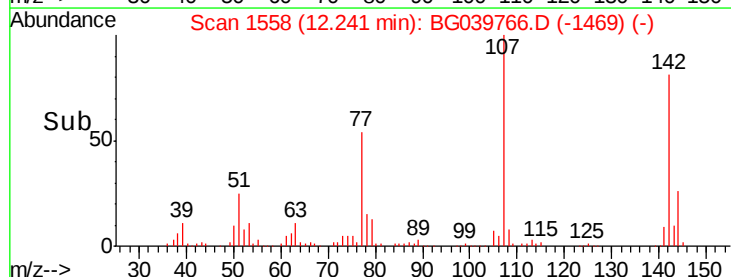
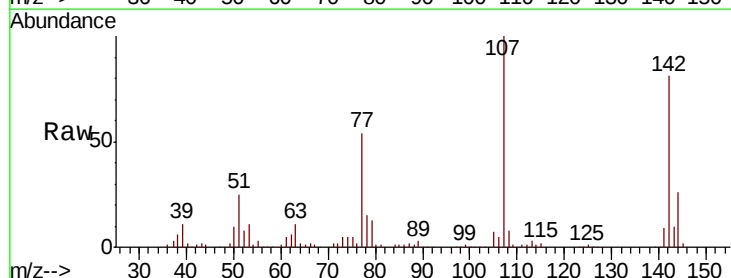
Tgt Ion:107 Resp: 151274

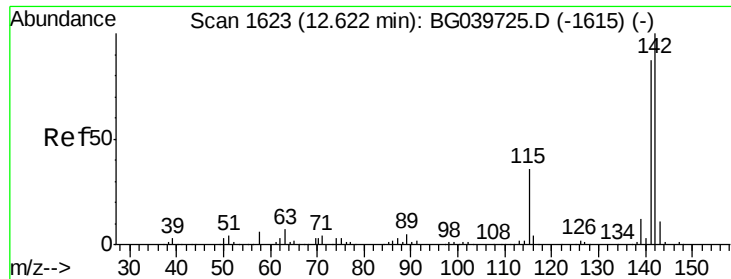
Ion Ratio Lower Upper

107 100

144 26.3 20.2 30.2

142 81.3 61.4 92.2

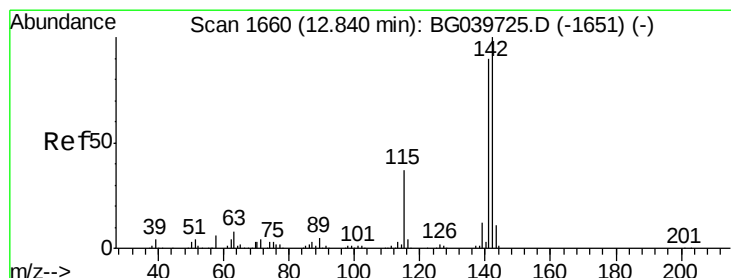
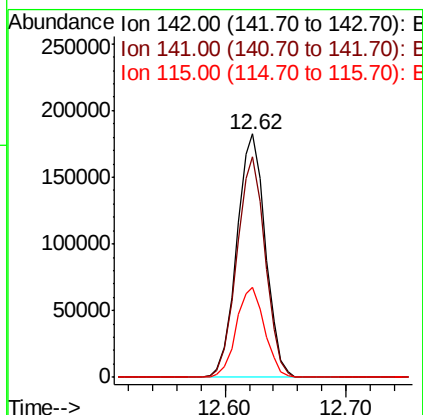
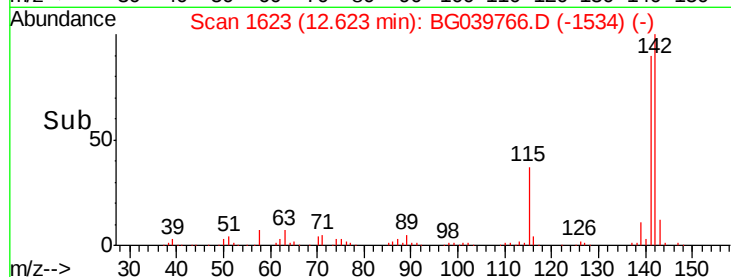
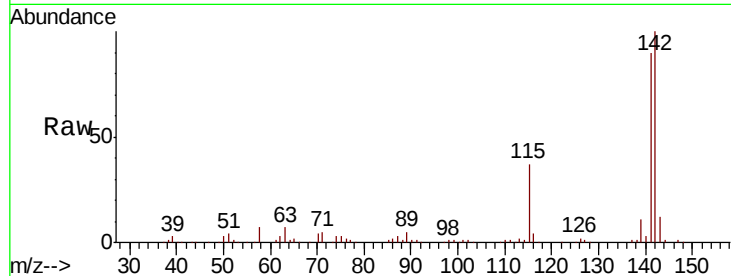




#37  
 2-Methylnaphthalene  
 Concen: 42.824 ng  
 RT: 12.62 min Scan# 1623  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

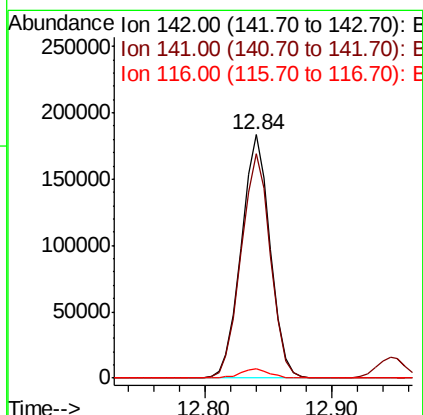
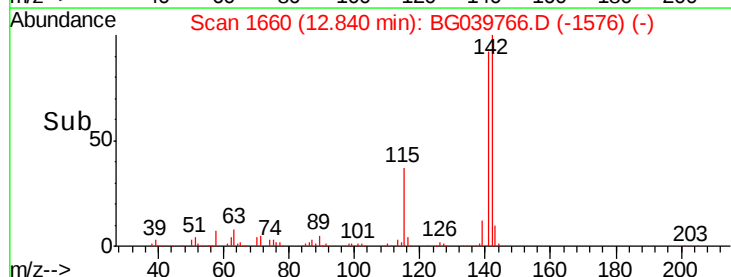
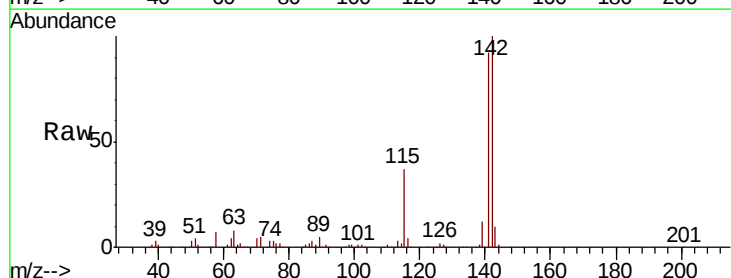
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

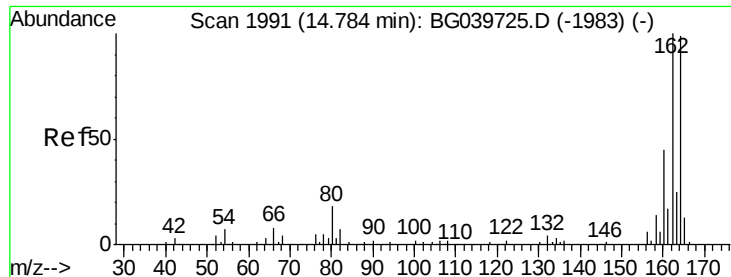
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 73.5  | 110.3 |
| 115     | 36.9  | 30.8  | 46.2  |



#38  
 1-Methylnaphthalene  
 Concen: 42.352 ng  
 RT: 12.84 min Scan# 1660  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.4  | 74.2  | 111.4 |
| 116     | 3.7   | 3.0   | 4.6   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

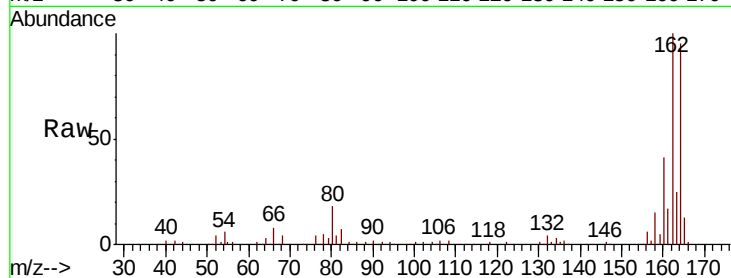
Tgt Ion:164 Resp: 126634

Ion Ratio Lower Upper

164 100

162 104.9 81.6 122.4

160 42.7 34.2 51.2

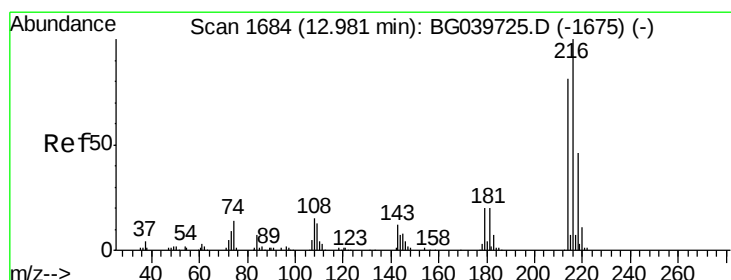
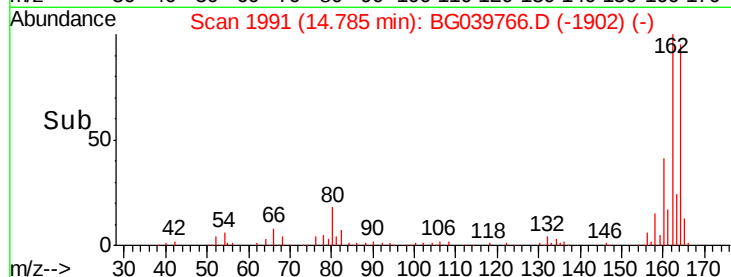
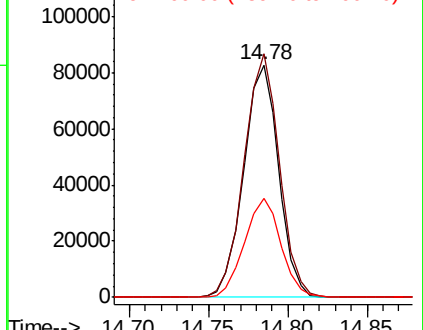


Abundance

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: 39.439 ng

RT: 12.98 min Scan# 1684

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Tgt Ion:216 Resp: 169196

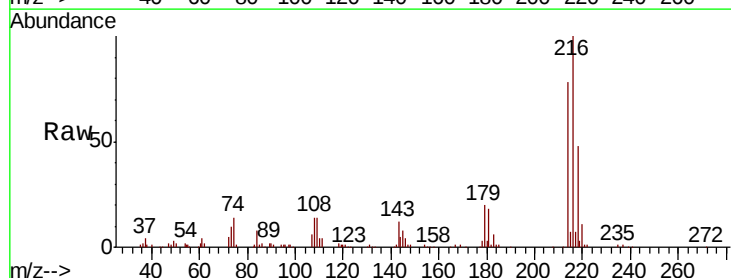
Ion Ratio Lower Upper

216 100

214 77.6 62.6 94.0

179 20.0 16.6 25.0

108 18.1 14.0 21.0



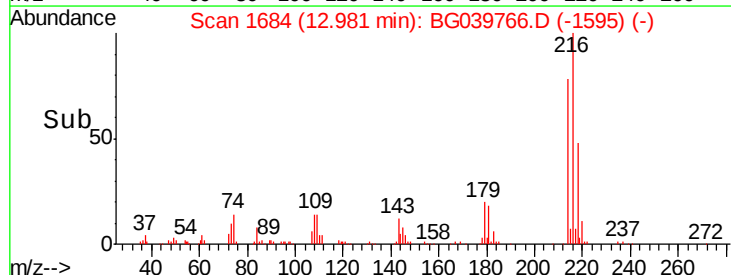
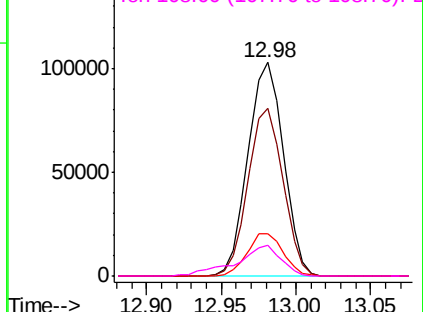
Abundance

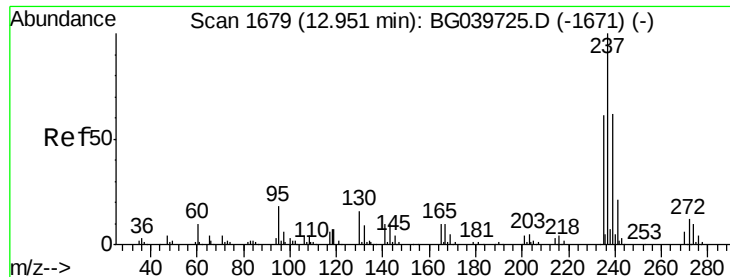
Ion 216.00 (215.70 to 216.70): E

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: 97.365 ng

RT: 12.95 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

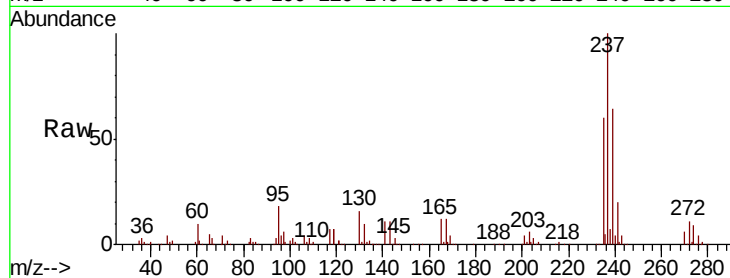
Tgt Ion: 237 Resp: 223847

Ion Ratio Lower Upper

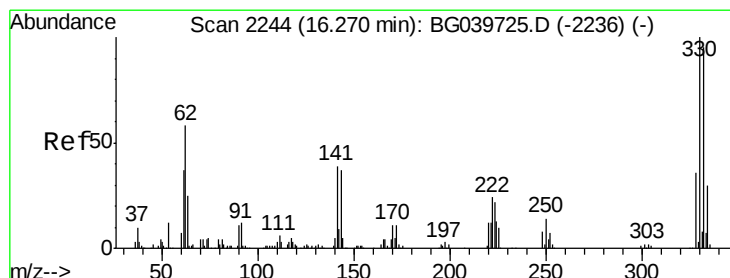
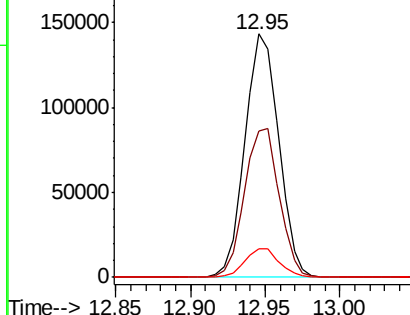
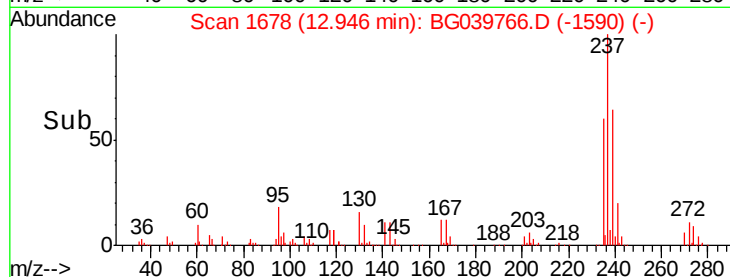
237 100

235 60.3 43.3 83.3

272 11.5 0.0 32.3



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: 133.981 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

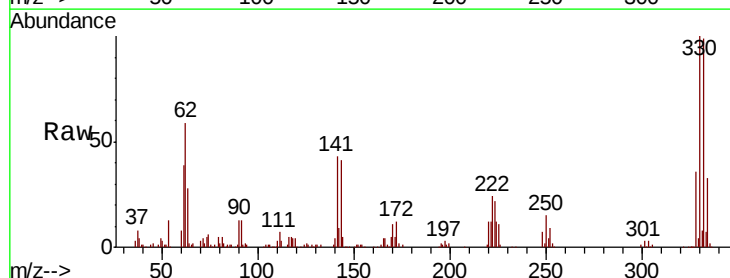
Tgt Ion: 330 Resp: 197758

Ion Ratio Lower Upper

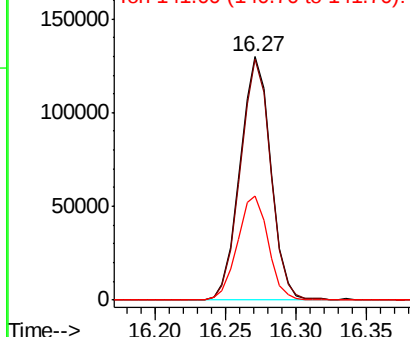
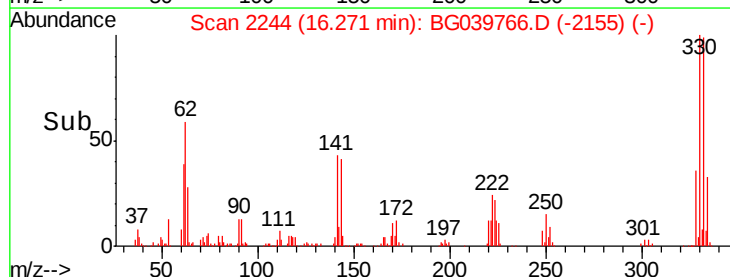
330 100

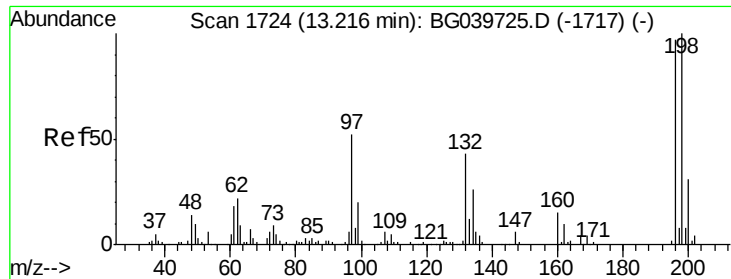
332 97.7 75.7 113.5

141 42.6 35.6 53.4



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

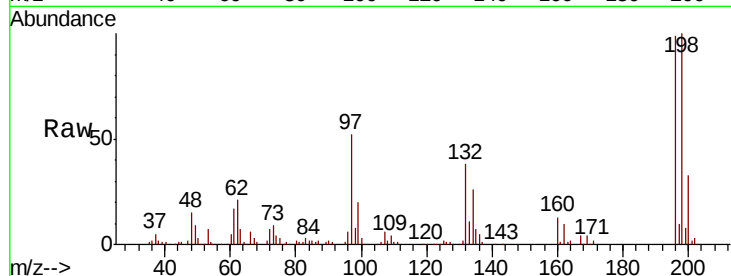




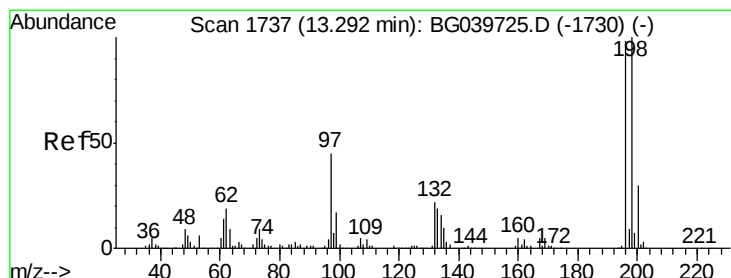
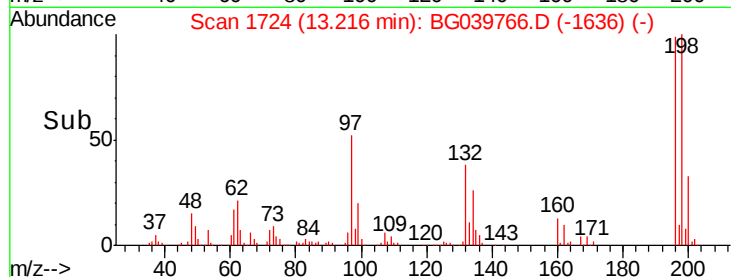
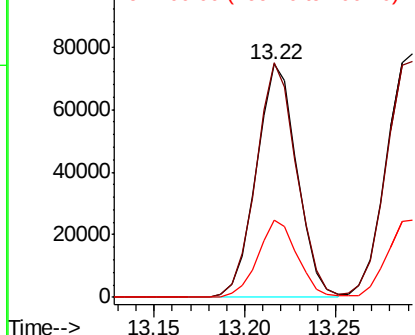
#43  
 2,4,6-Trichlorophenol  
 Concen: 46.626 ng  
 RT: 13.22 min Scan# 1724  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

Tgt Ion:196 Resp: 117108  
 Ion Ratio Lower Upper  
 196 100  
 198 100.8 80.6 121.0  
 200 33.2 26.1 39.1



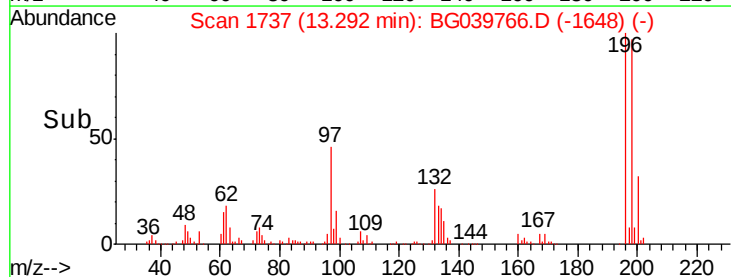
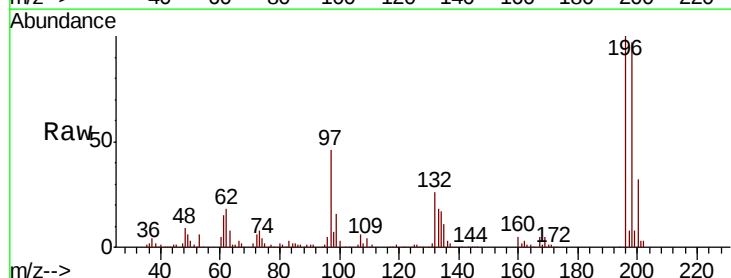
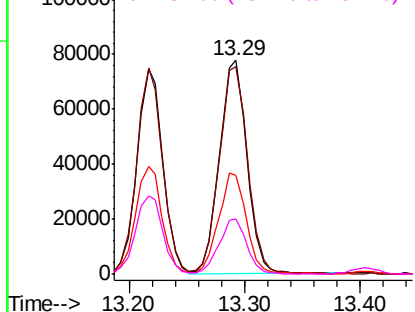
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

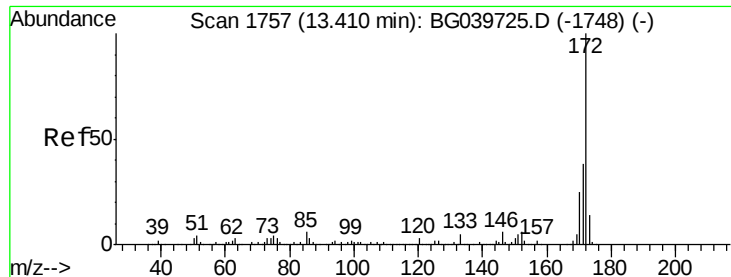


#44  
 2,4,5-Trichlorophenol  
 Concen: 45.175 ng  
 RT: 13.29 min Scan# 1737  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:196 Resp: 127894  
 Ion Ratio Lower Upper  
 196 100  
 198 97.2 78.5 117.7  
 97 45.9 38.4 57.6  
 132 25.5 19.2 28.8

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BGC  
 Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 74.802 ng

RT: 13.40 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

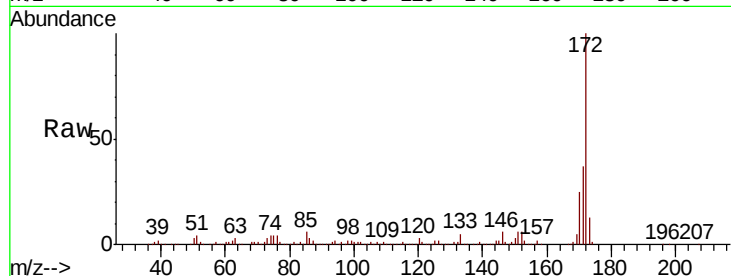
Tgt Ion:172 Resp: 665282

Ion Ratio Lower Upper

172 100

171 37.0 30.8 46.2

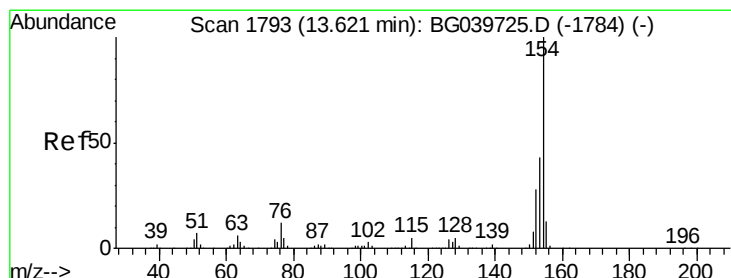
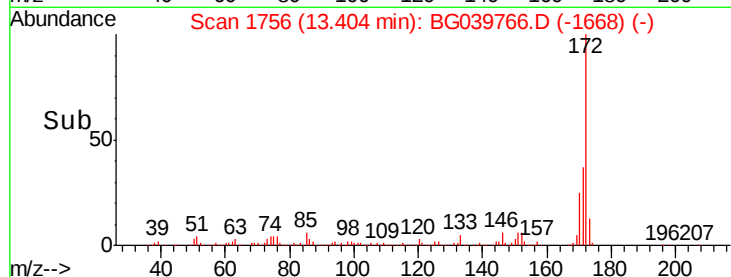
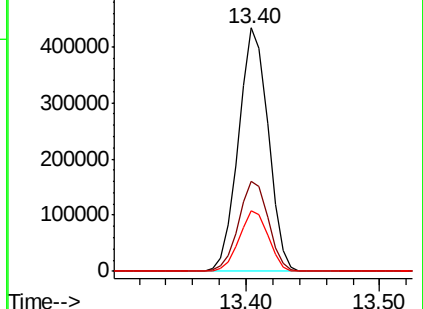
170 24.7 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 40.092 ng

RT: 13.62 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

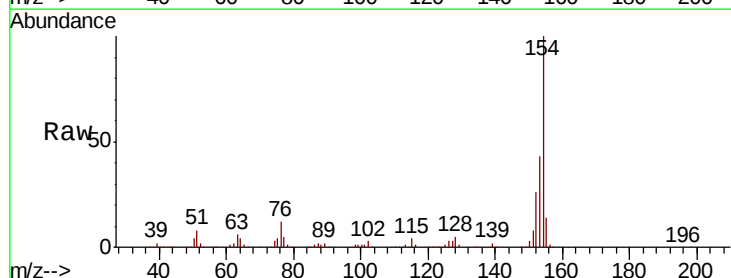
Tgt Ion:154 Resp: 417579

Ion Ratio Lower Upper

154 100

153 42.8 22.1 62.1

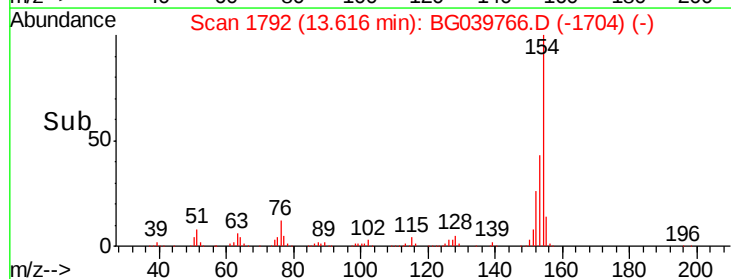
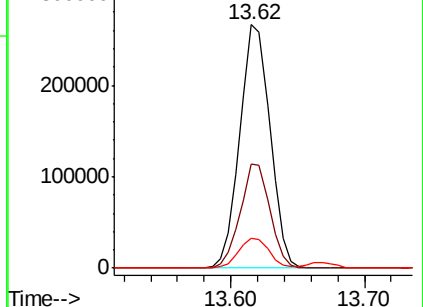
76 12.1 0.0 32.4

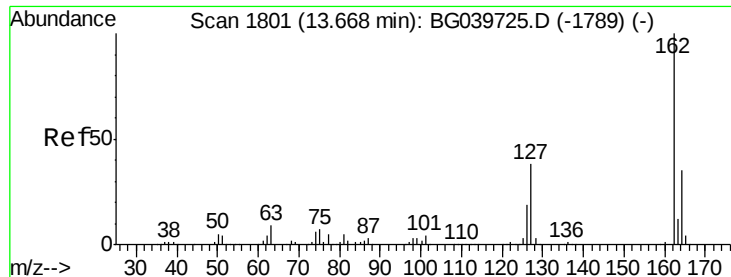


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

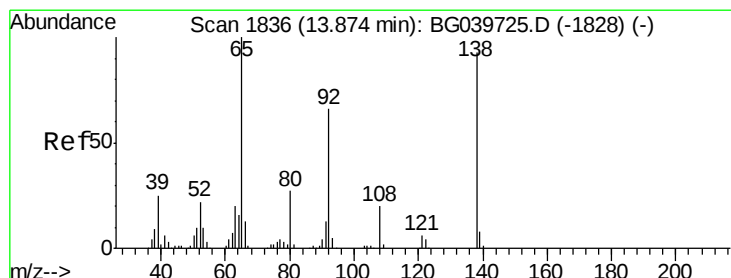
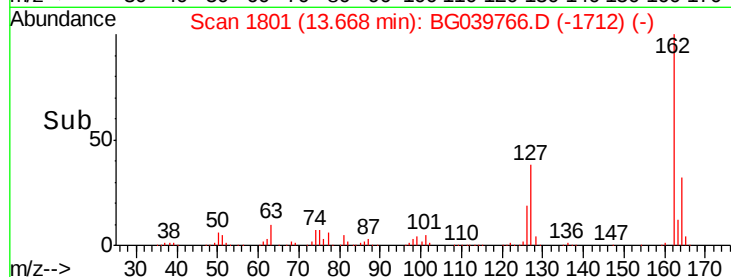
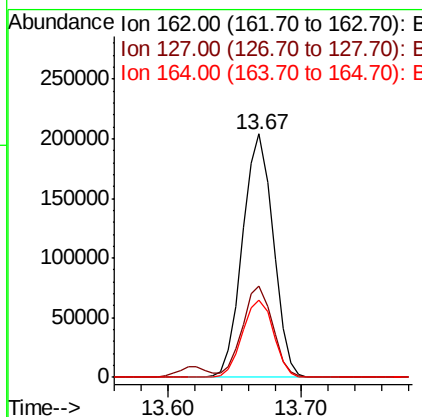
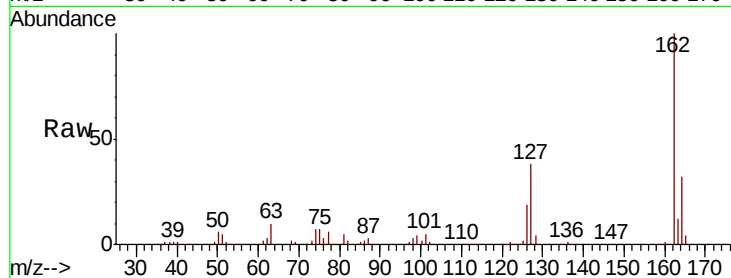




#47  
 2-Chloronaphthalene  
 Concen: 41.185 ng  
 RT: 13.67 min Scan# 1801  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

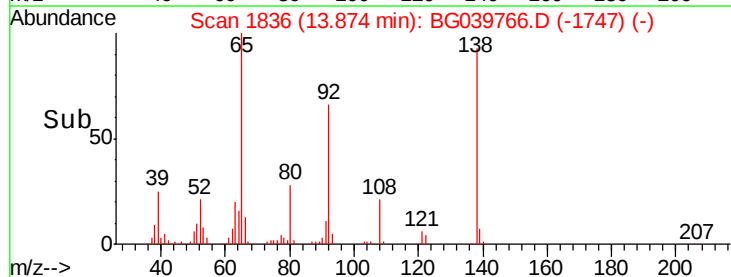
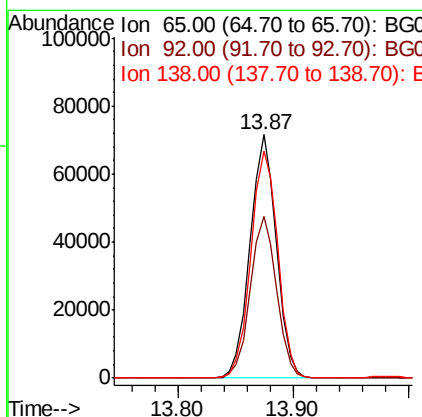
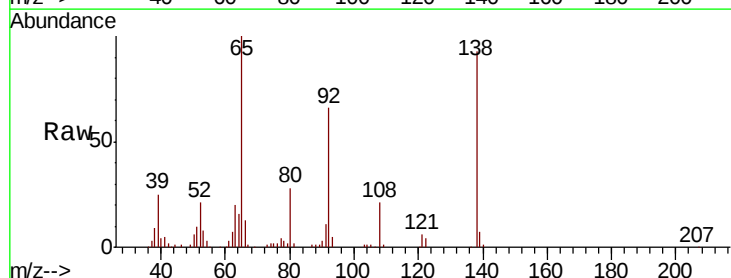
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

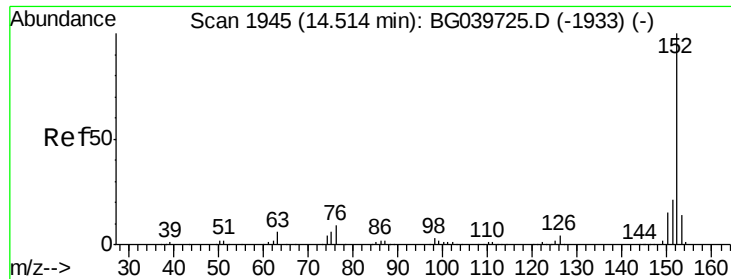
Tgt Ion: 162 Resp: 322705  
 Ion Ratio Lower Upper  
 162 100  
 127 37.5 31.0 46.6  
 164 31.9 25.7 38.5



#48  
 2-Nitroaniline  
 Concen: 45.213 ng  
 RT: 13.87 min Scan# 1836  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion: 65 Resp: 113849  
 Ion Ratio Lower Upper  
 65 100  
 92 66.5 51.4 77.2  
 138 93.0 71.4 107.2





#49

Acenaphthylene

Concen: 40.646 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

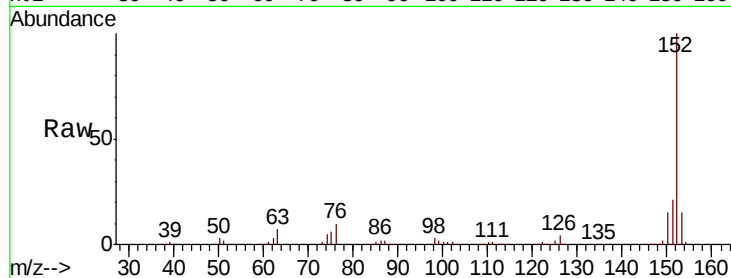
Tgt Ion:152 Resp: 522820

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

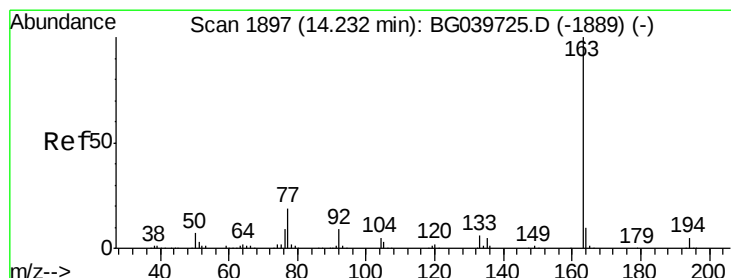
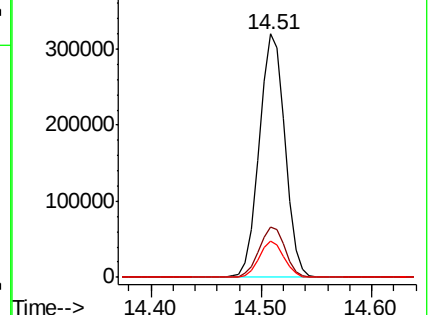
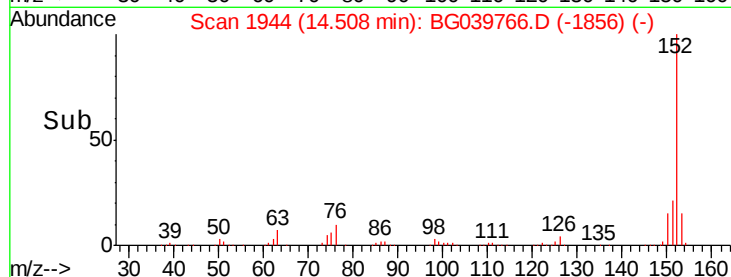
153 14.7 11.7 17.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 41.568 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

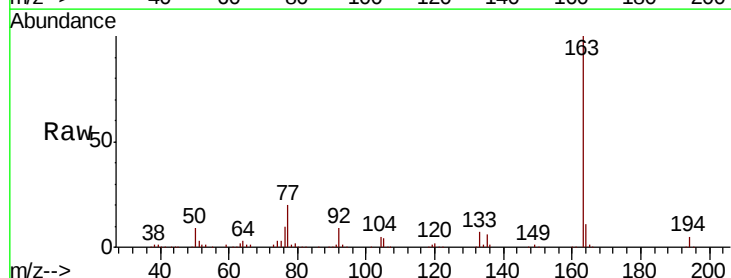
Tgt Ion:163 Resp: 440163

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

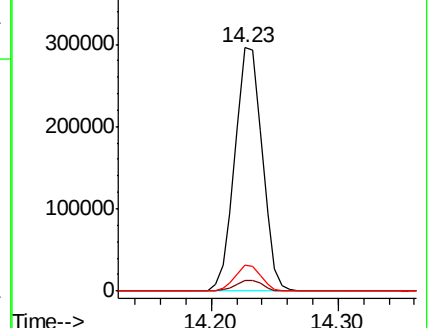
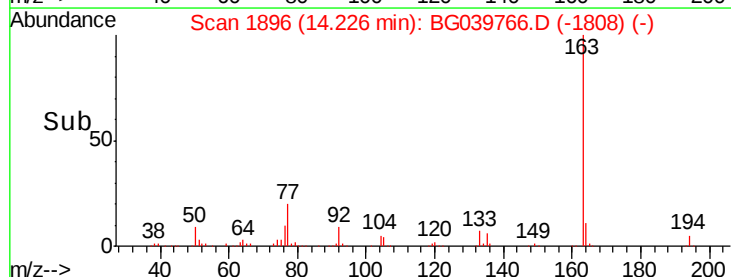
164 10.7 8.4 12.6

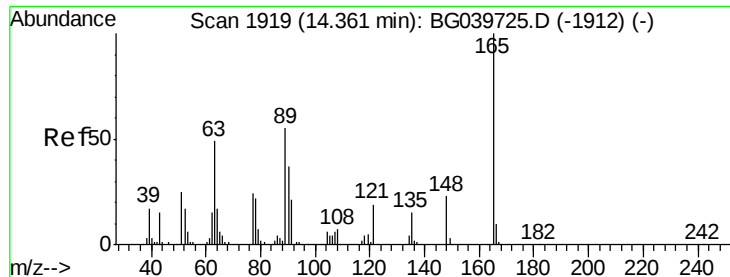


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 43.598 ng

RT: 14.36 min Scan# 1919

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

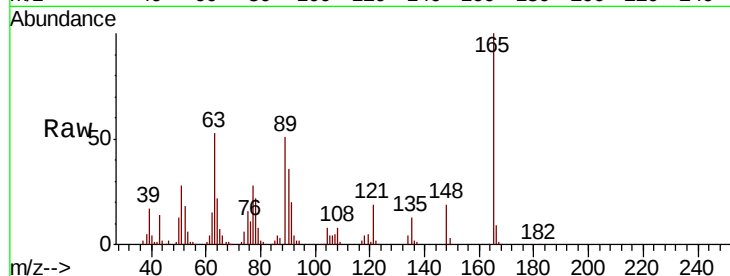
Tgt Ion:165 Resp: 97870

Ion Ratio Lower Upper

165 100

63 52.5 47.0 70.6

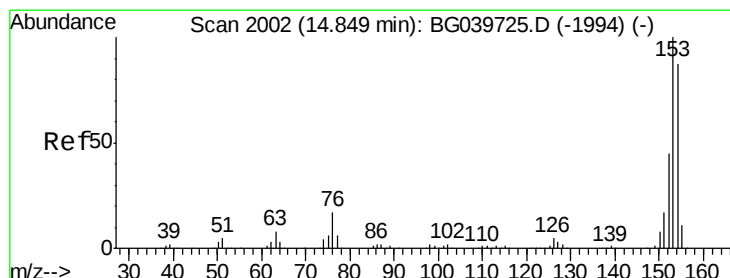
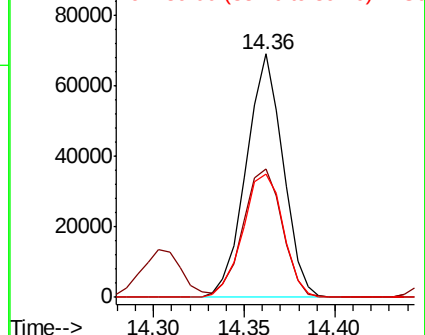
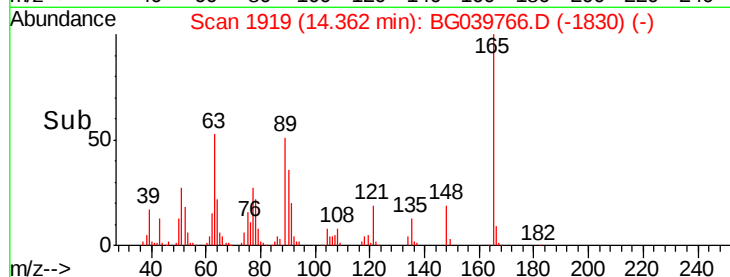
89 50.9 45.8 68.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 41.196 ng

RT: 14.85 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

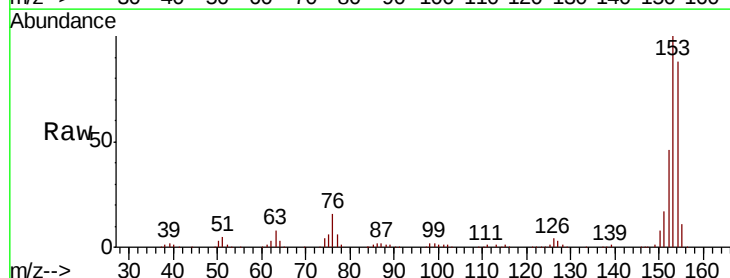
Tgt Ion:154 Resp: 318929

Ion Ratio Lower Upper

154 100

153 113.9 90.1 135.1

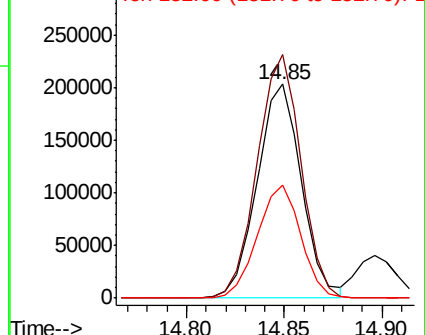
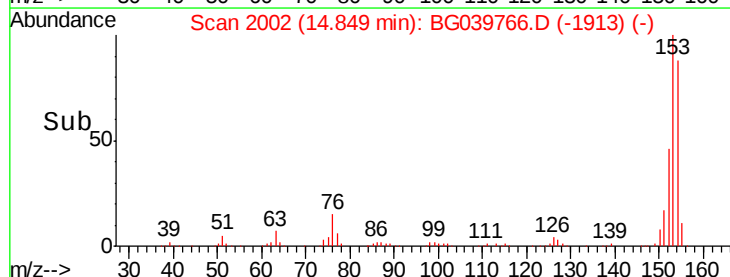
152 52.6 40.9 61.3

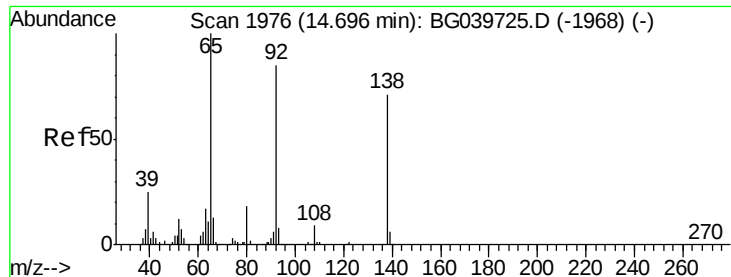


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

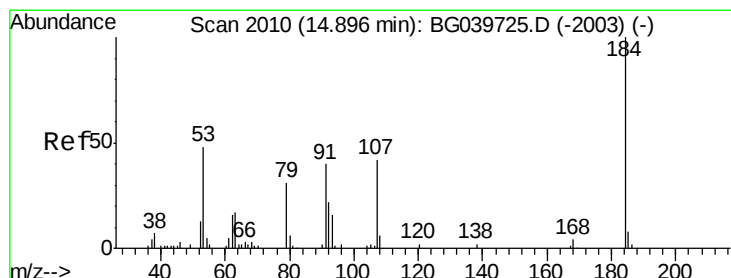
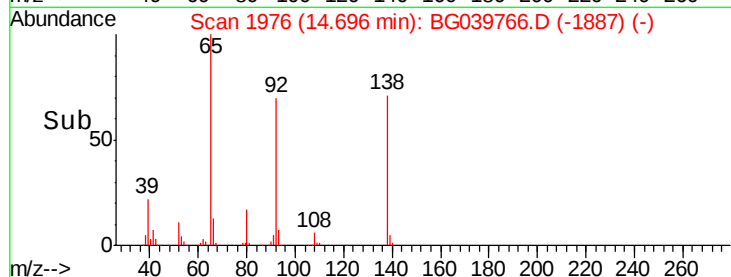
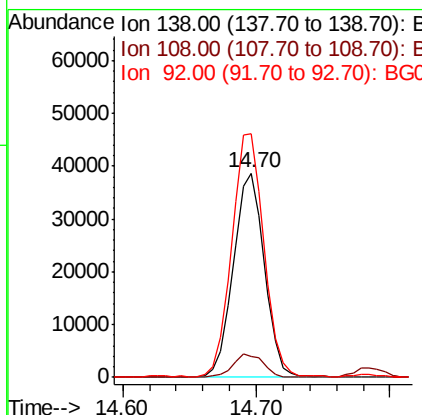
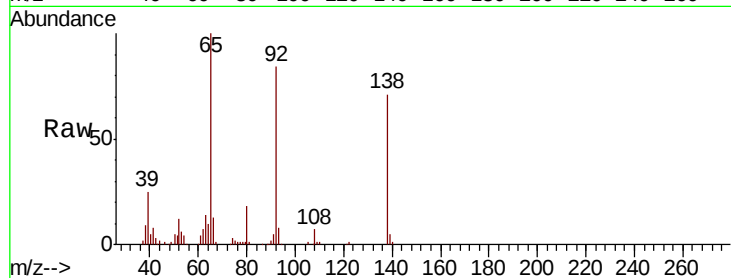




#53  
 3-Nitroaniline  
 Concen: 27.661 ng  
 RT: 14.70 min Scan# 1976  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

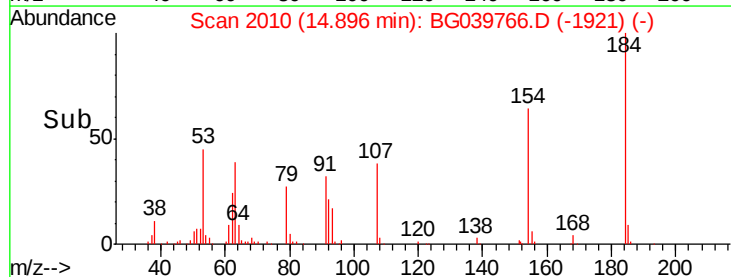
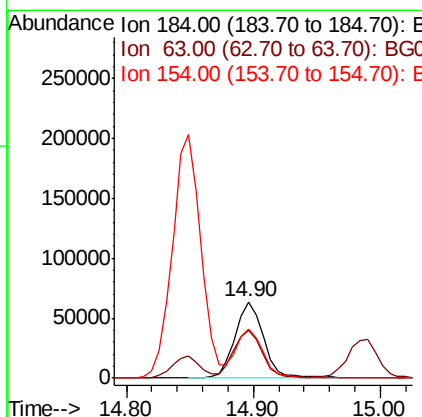
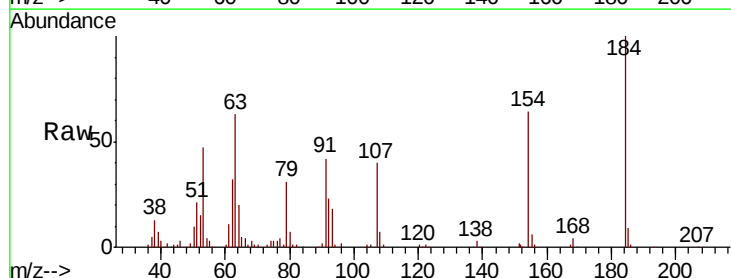
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

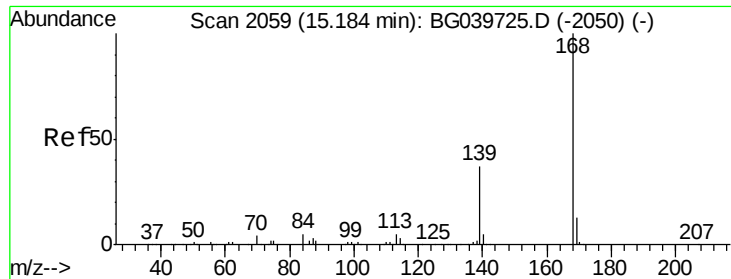
Tgt Ion:138 Resp: 62418  
 Ion Ratio Lower Upper  
 138 100  
 108 10.0 13.8 20.8#  
 92 119.2 103.7 155.5



#54  
 2,4-Dinitrophenol  
 Concen: 70.521 ng  
 RT: 14.90 min Scan# 2010  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:184 Resp: 98891  
 Ion Ratio Lower Upper  
 184 100  
 63 62.8 50.9 76.3  
 154 64.1 53.0 79.6



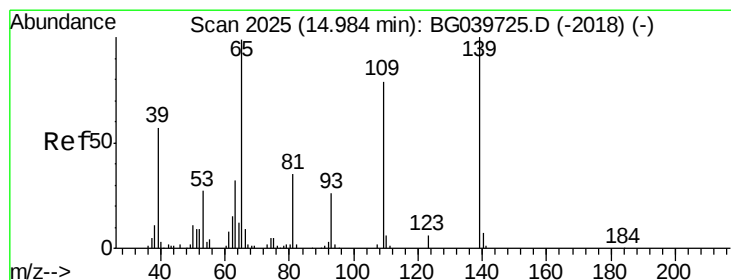
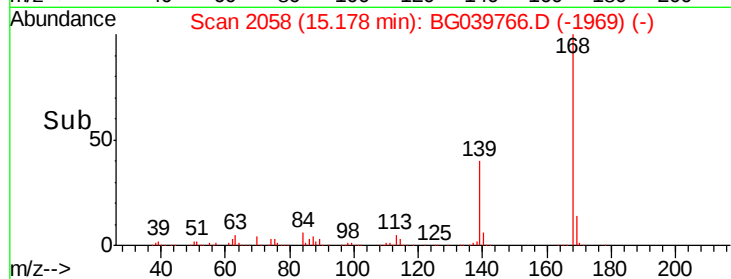
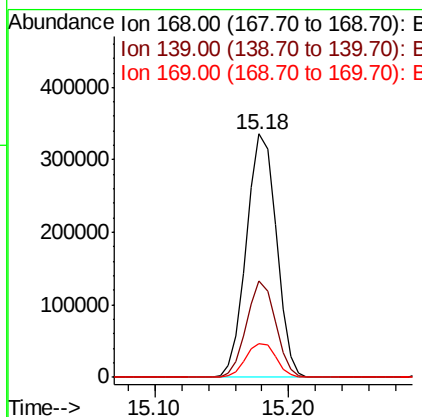
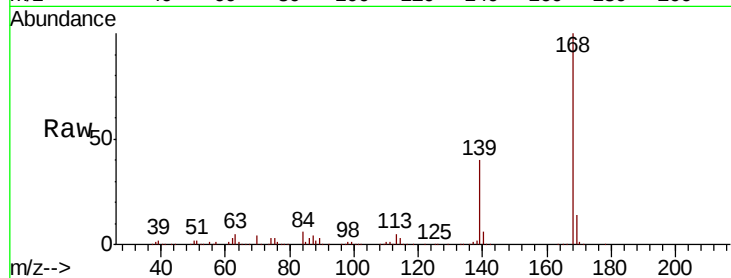


#55  
Dibenzenofuran  
Concen: 40.931 ng  
RT: 15.18 min Scan# 2058  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

Tgt Ion:168 Resp: 519903  

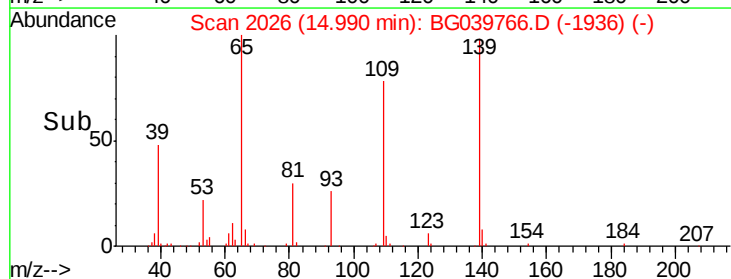
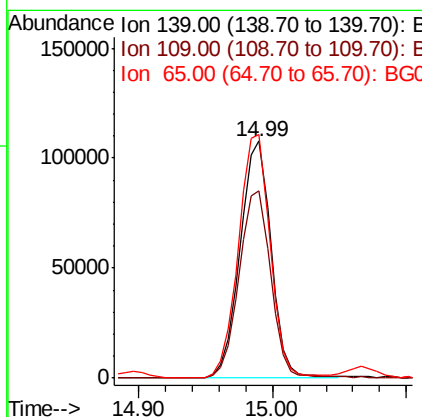
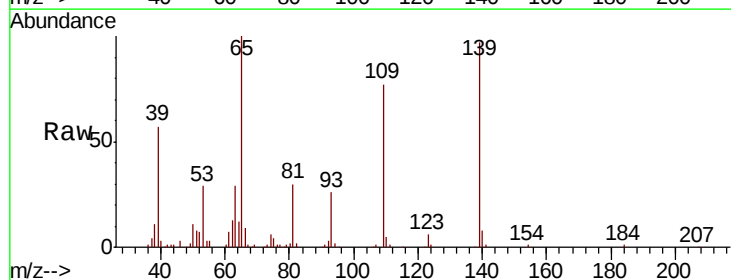
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 39.6  | 30.1  | 45.1  |
| 169 | 13.7  | 10.6  | 16.0  |

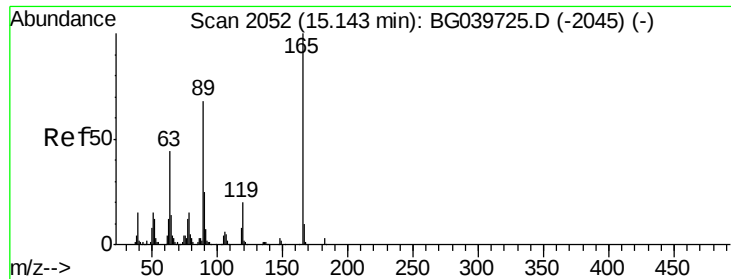


#56  
4-Nitrophenol  
Concen: 85.677 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. -0.00 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:139 Resp: 172948  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 79.4  | 61.9  | 101.9 |
| 65  | 102.9 | 99.1  | 139.1 |

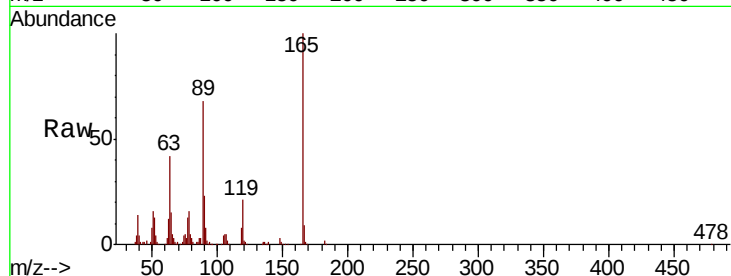




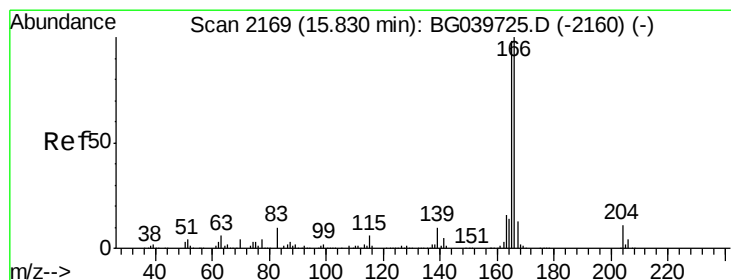
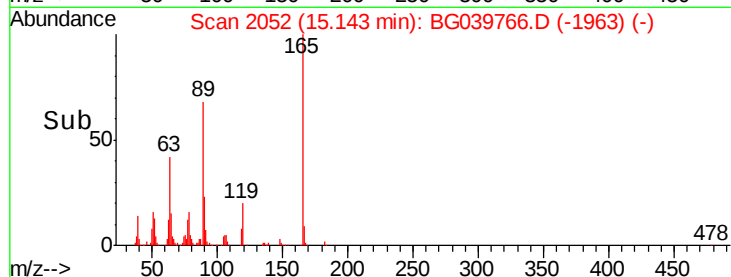
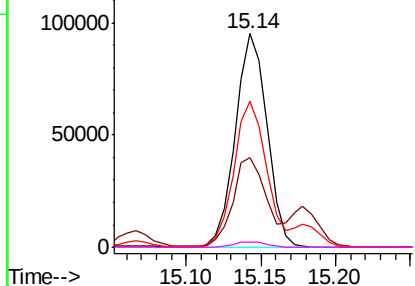
#57  
 2,4-Dinitrotoluene  
 Concen: 44.654 ng  
 RT: 15.14 min Scan# 2052  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 140848 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 42.0  | 41.0  | 61.6   |
| 89       | 68.4  | 64.6  | 96.8   |
| 182      | 2.4   | 2.0   | 3.0    |

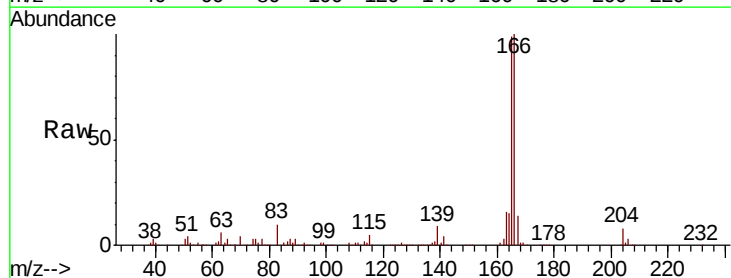


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC  
 Ion 182.00 (181.70 to 182.70): E

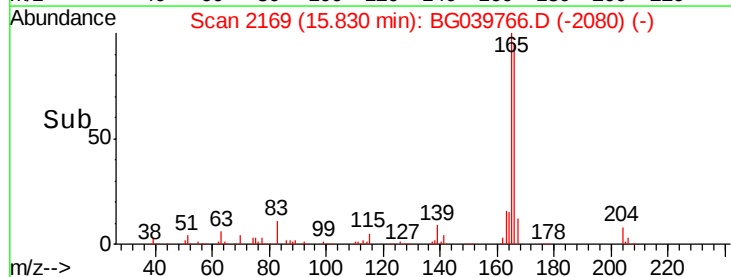
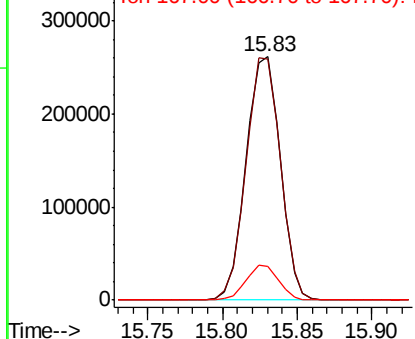


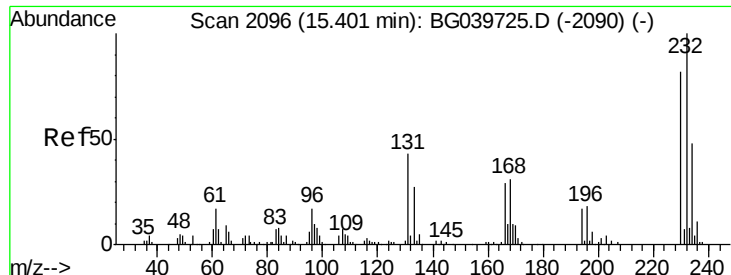
#58  
 Fluorene  
 Concen: 41.471 ng  
 RT: 15.83 min Scan# 2169  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 414107 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 98.8  | 77.9  | 116.9  |
| 167      | 13.8  | 10.8  | 16.2   |



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

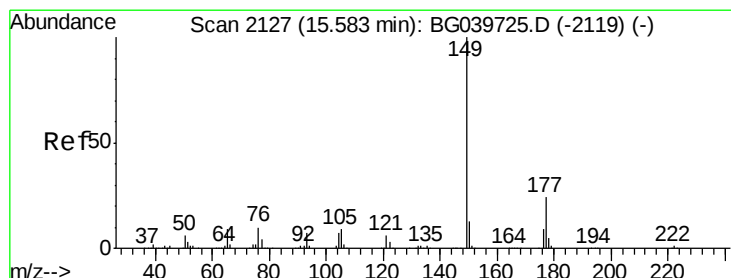
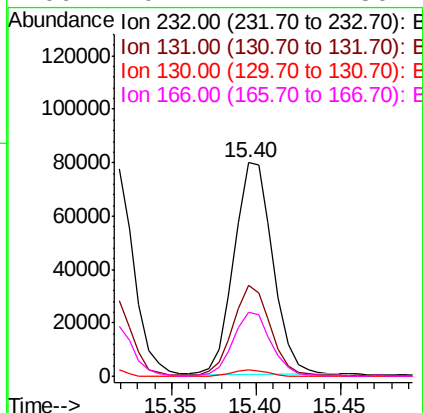
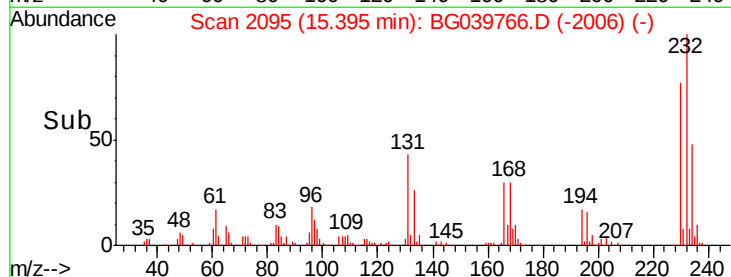
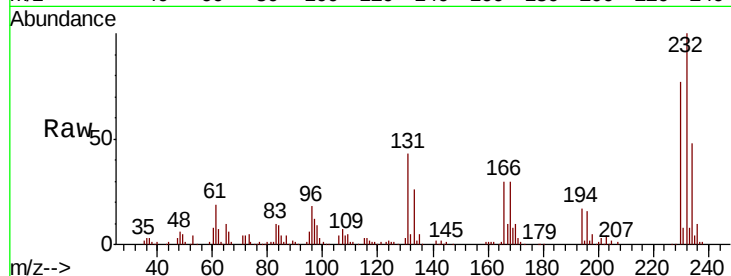




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 45.852 ng  
 RT: 15.40 min Scan# 2095  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

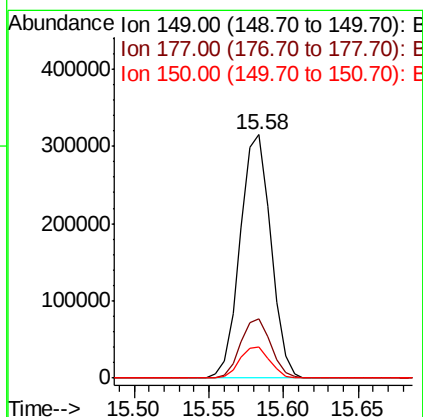
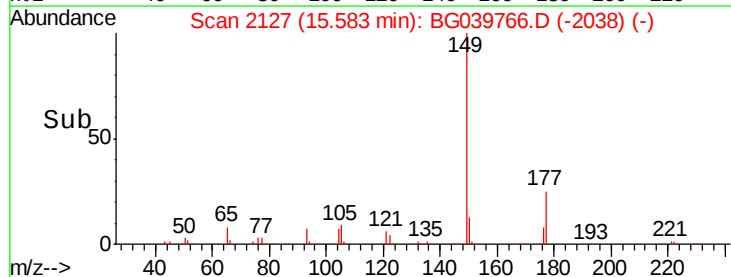
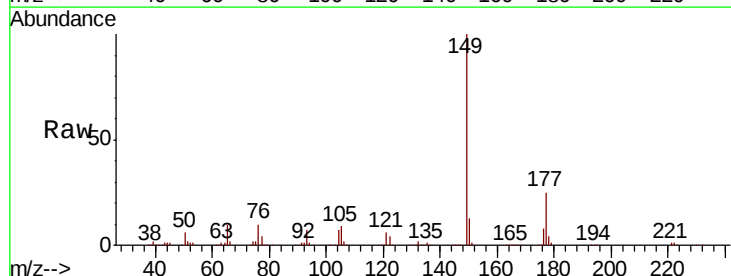
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

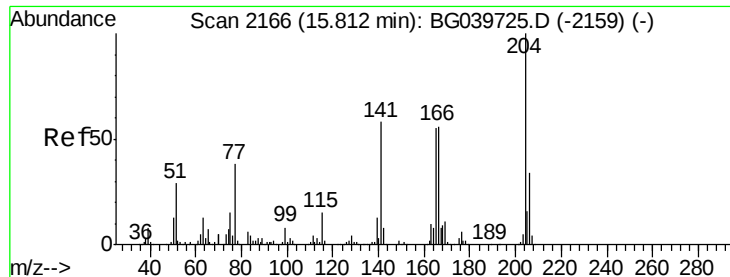
Tgt Ion:232 Resp: 126774  
 Ion Ratio Lower Upper  
 232 100  
 131 41.3 34.9 52.3  
 130 2.5 2.0 3.0  
 166 29.7 24.1 36.1



#60  
 Diethylphthalate  
 Concen: 42.849 ng  
 RT: 15.58 min Scan# 2127  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:149 Resp: 449161  
 Ion Ratio Lower Upper  
 149 100  
 177 24.6 18.3 27.5  
 150 12.9 10.2 15.2

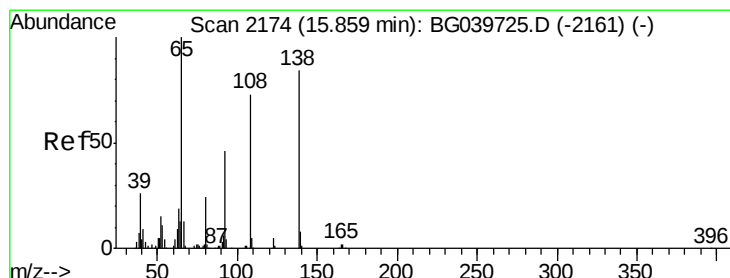
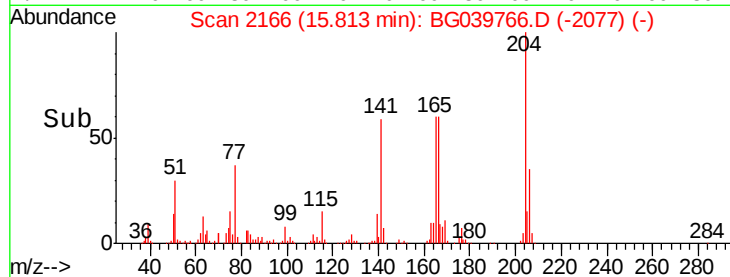
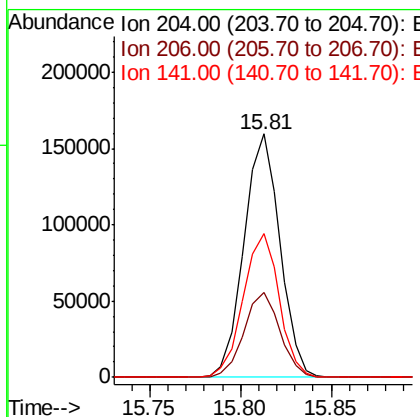
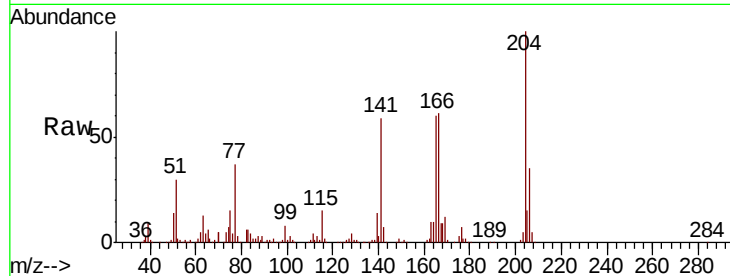




#61  
 4-Chlorophenyl-phenylether  
 Concen: 41.183 ng  
 RT: 15.81 min Scan# 2166  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

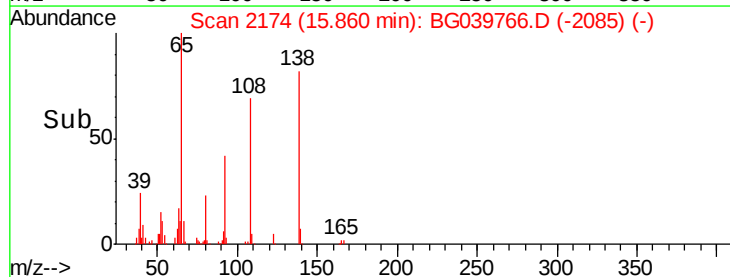
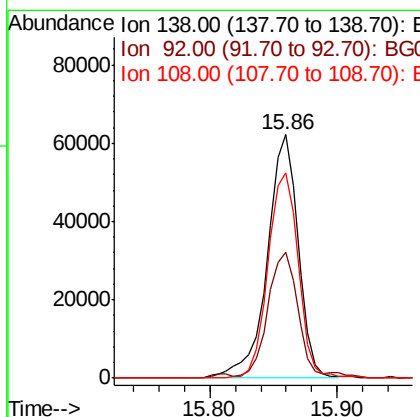
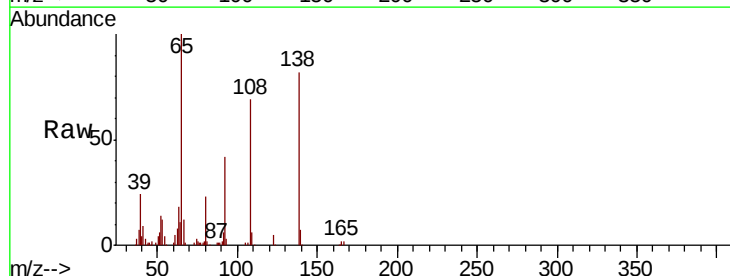
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

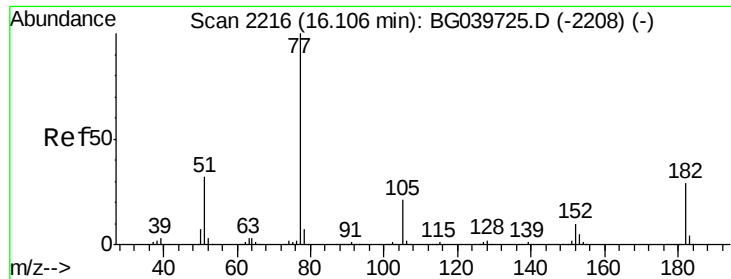
Tgt Ion: 204 Resp: 219441  
 Ion Ratio Lower Upper  
 204 100  
 206 35.1 29.2 43.8  
 141 59.0 49.0 73.4



#62  
 4-Nitroaniline  
 Concen: 43.026 ng  
 RT: 15.86 min Scan# 2174  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion: 138 Resp: 105256  
 Ion Ratio Lower Upper  
 138 100  
 92 51.7 38.7 78.7  
 108 84.4 74.6 114.6





#63

Azobenzene

Concen: 42.121 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

Tgt Ion: 77 Resp: 400232

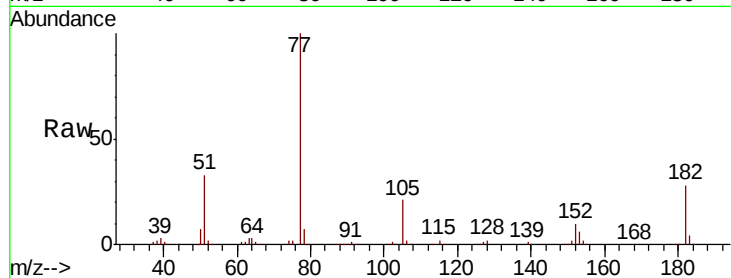
Ion Ratio Lower Upper

77 100

182 28.4 6.4 46.4

105 20.7 0.0 39.8

51 32.8 14.1 54.1

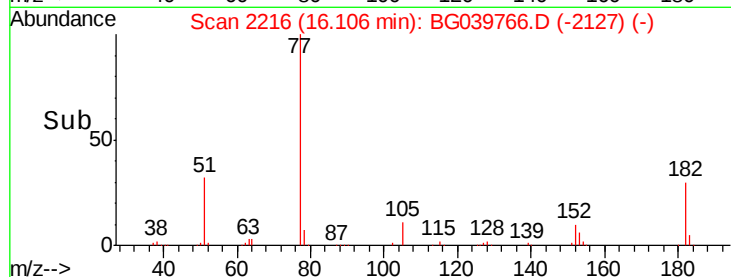


Abundance Ion 77.00 (76.70 to 77.70): BGC

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



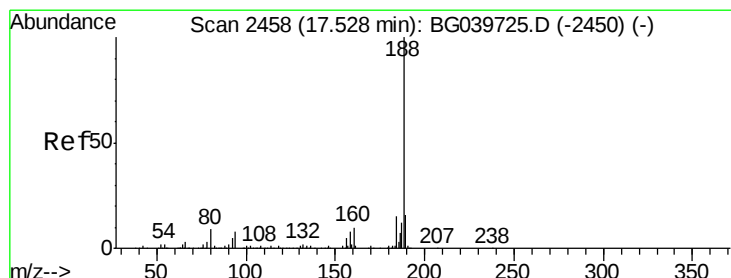
Abundance Ion 77.00 (76.70 to 77.70): BGC

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

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

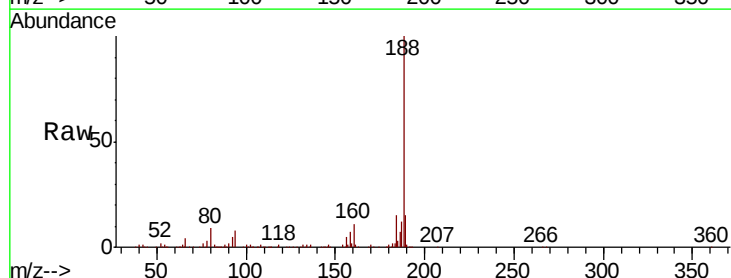
Tgt Ion: 188 Resp: 319344

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

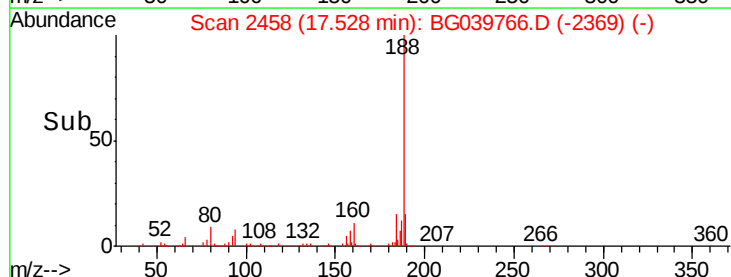
80 9.0 8.1 12.1



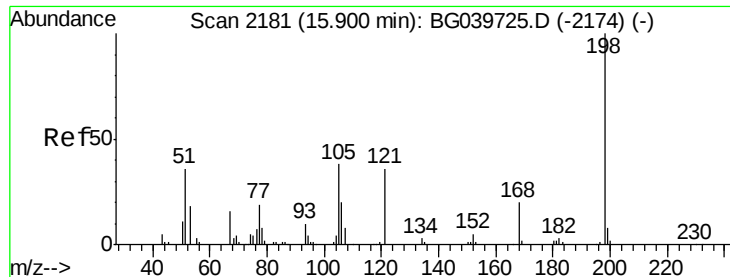
Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 41.749 ng

RT: 15.90 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

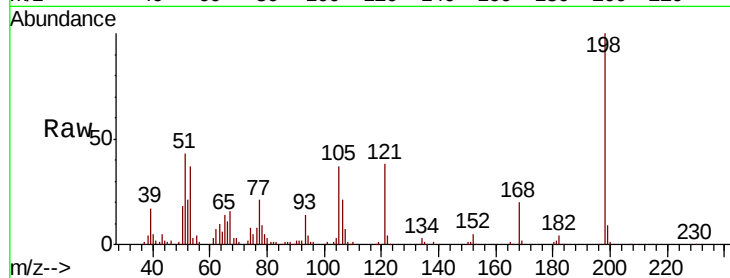
Tgt Ion:198 Resp: 78830

Ion Ratio Lower Upper

198 100

51 42.6 27.4 67.4

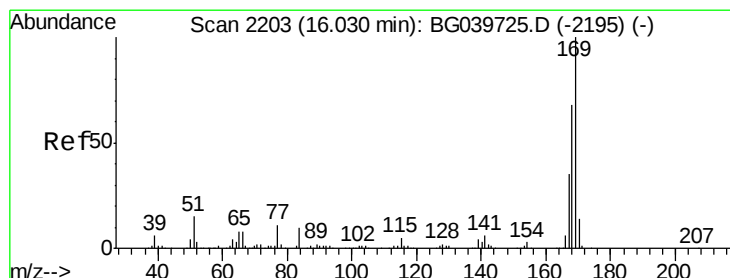
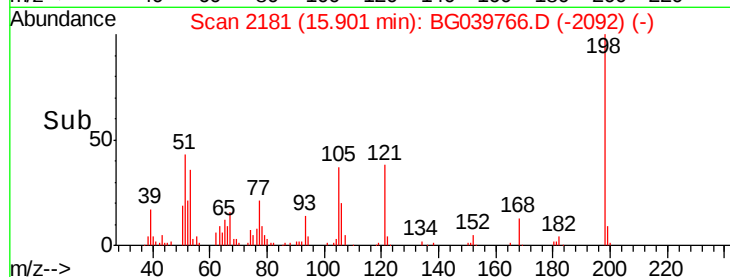
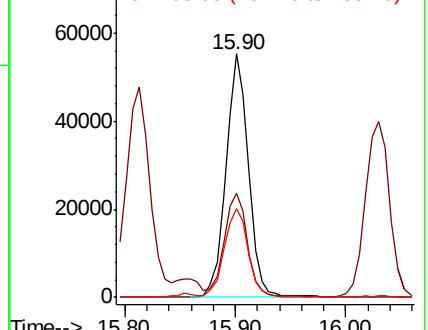
105 36.6 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG039766.D (-2174) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.867 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

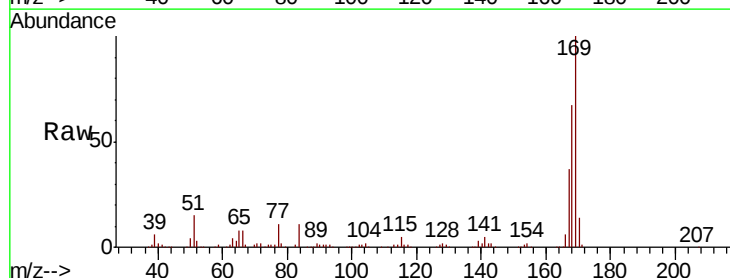
Tgt Ion:169 Resp: 387066

Ion Ratio Lower Upper

169 100

168 66.8 56.6 85.0

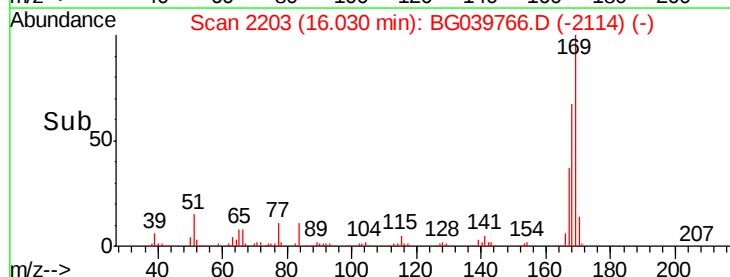
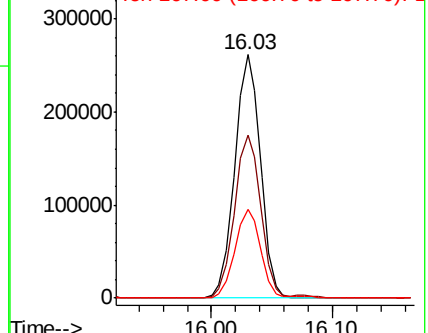
167 36.6 28.8 43.2

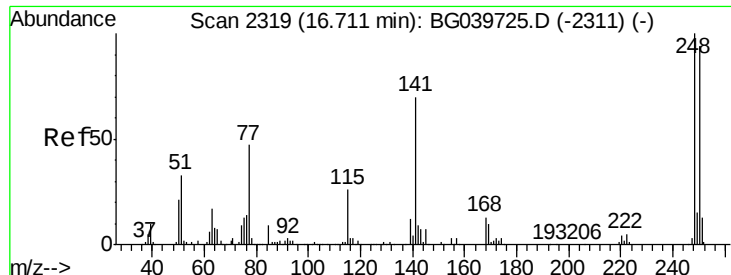


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

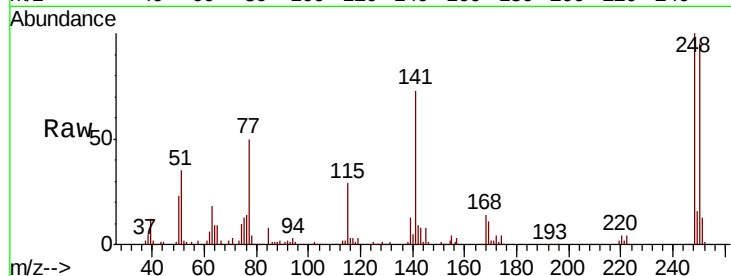




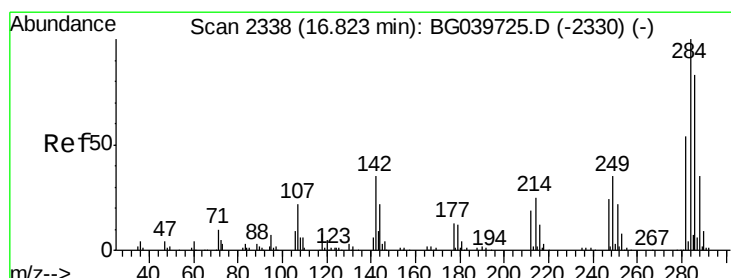
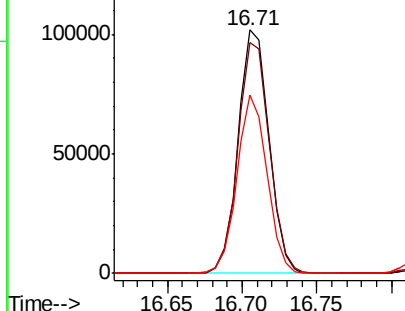
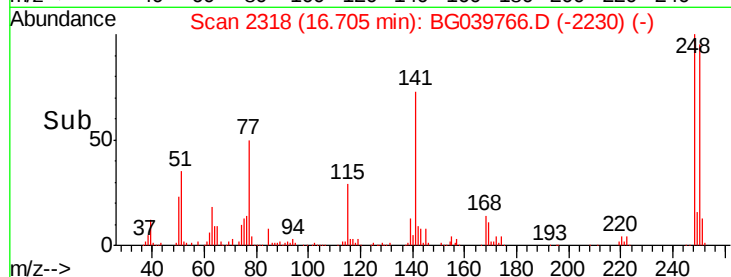
#67  
4-Bromophenyl-phenylether  
Concen: 40.757 ng  
RT: 16.71 min Scan# 2318  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampled :  
PB117619BSD

Tgt Ion:248 Resp: 145686  
Ion Ratio Lower Upper  
248 100  
250 95.0 77.6 116.4  
141 73.3 63.9 95.9

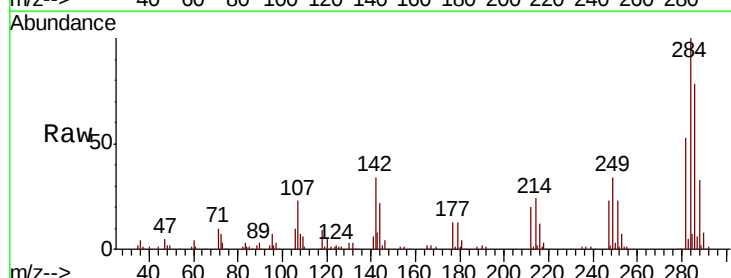


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

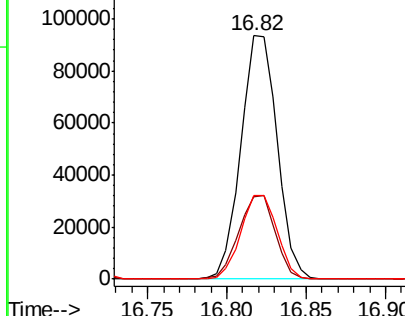
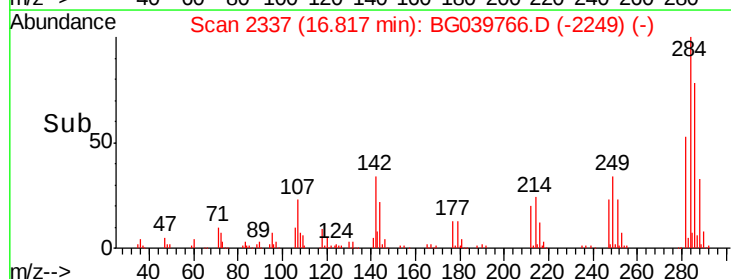


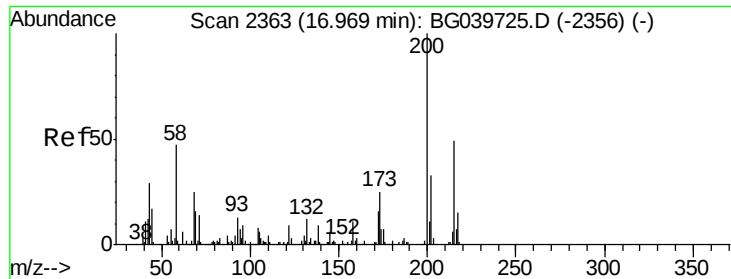
#68  
Hexachlorobenzene  
Concen: 40.148 ng  
RT: 16.82 min Scan# 2337  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:284 Resp: 148758  
Ion Ratio Lower Upper  
284 100  
142 33.9 30.6 45.8  
249 34.2 28.2 42.2



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





#69

Atrazine

Concen: 42.936 ng

RT: 16.97 min Scan# 2363

Delta R.T. -0.00 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

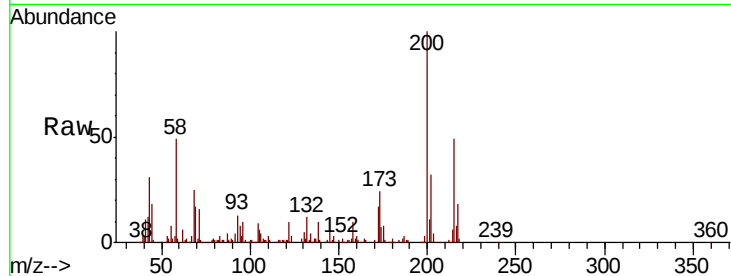
Tgt Ion:200 Resp: 156224

Ion Ratio Lower Upper

200 100

173 24.1 3.9 43.9

215 48.5 30.9 70.9

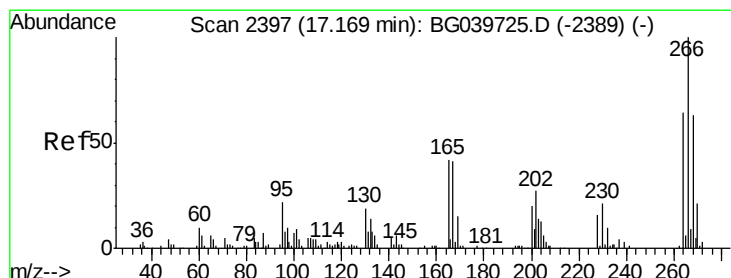
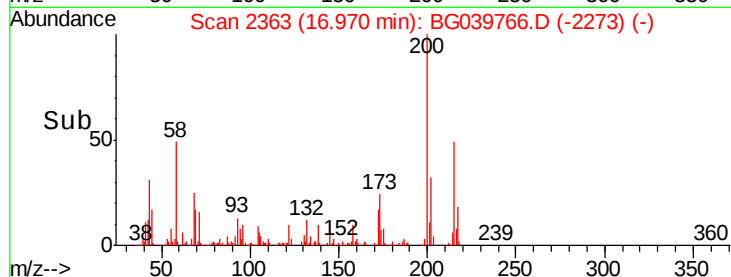
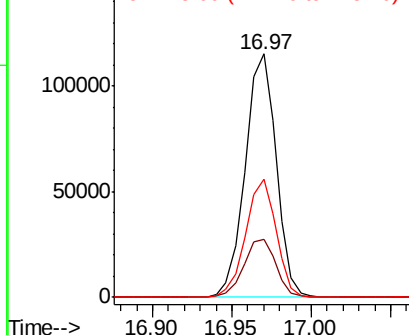


Abundance

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: 82.011 ng

RT: 17.17 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

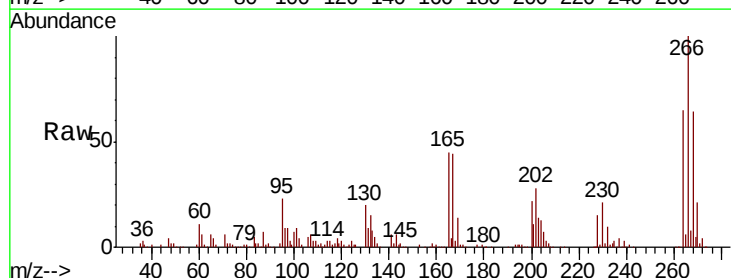
Tgt Ion:266 Resp: 191910

Ion Ratio Lower Upper

266 100

268 64.4 51.1 76.7

264 64.6 52.1 78.1

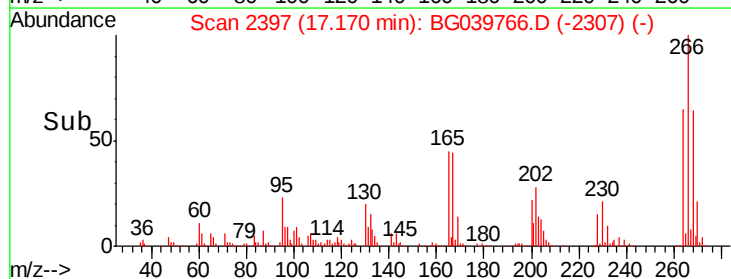
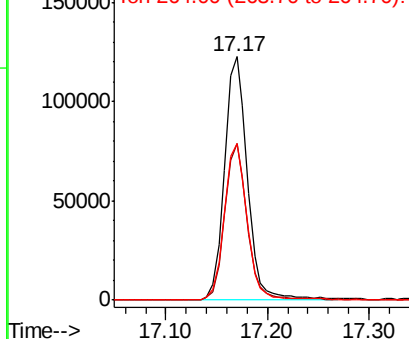


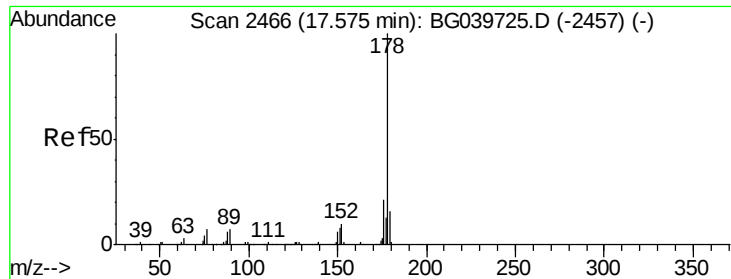
Abundance

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

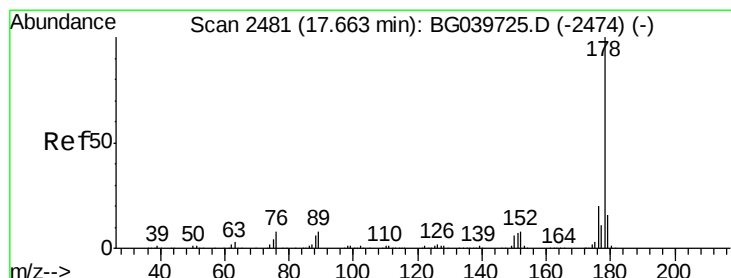
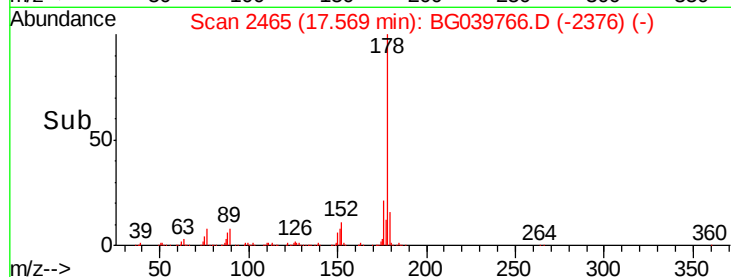
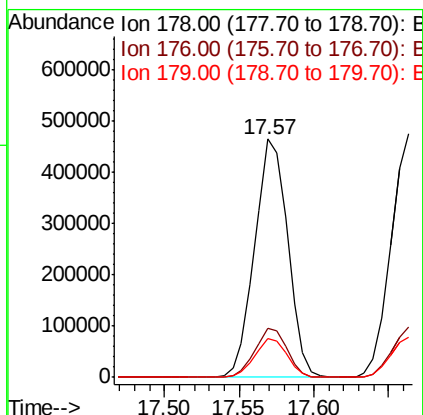
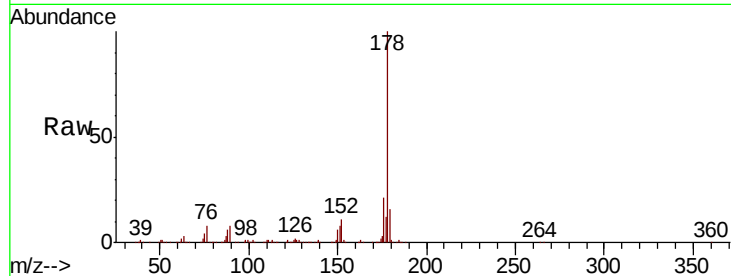




#71  
Phenanthrene  
Concen: 40.399 ng  
RT: 17.57 min Scan# 2465  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

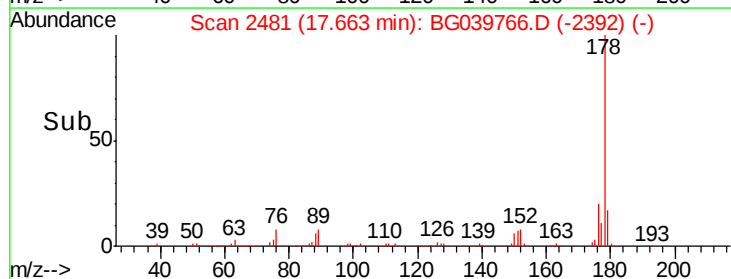
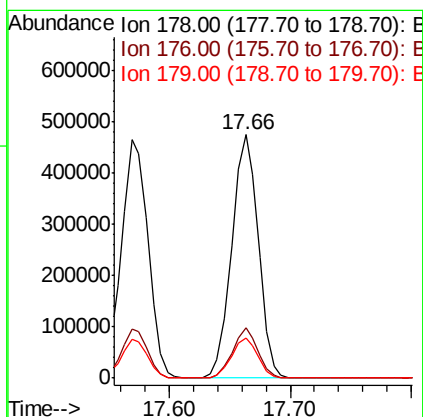
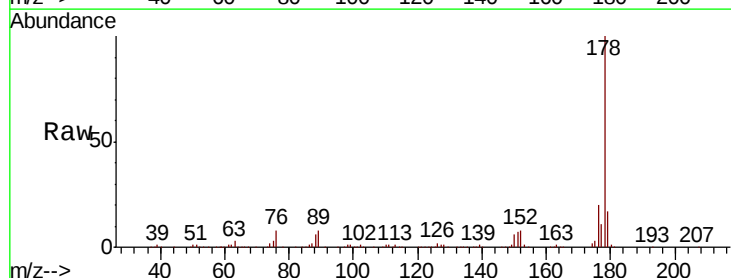
Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

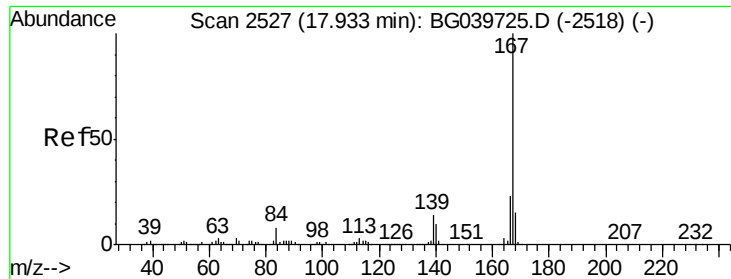
Tgt Ion:178 Resp: 710617  
Ion Ratio Lower Upper  
178 100  
176 20.7 16.2 24.4  
179 16.4 12.6 19.0



#72  
Anthracene  
Concen: 42.380 ng  
RT: 17.66 min Scan# 2481  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:178 Resp: 726434  
Ion Ratio Lower Upper  
178 100  
176 20.5 15.8 23.6  
179 16.6 12.5 18.7

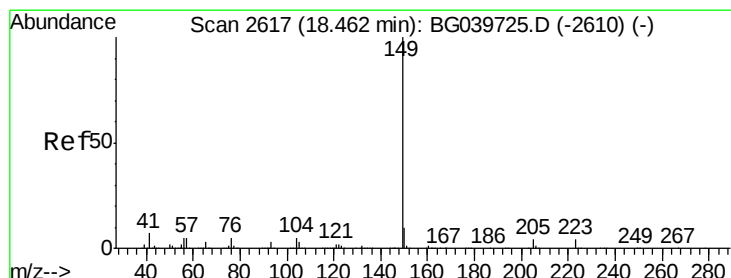
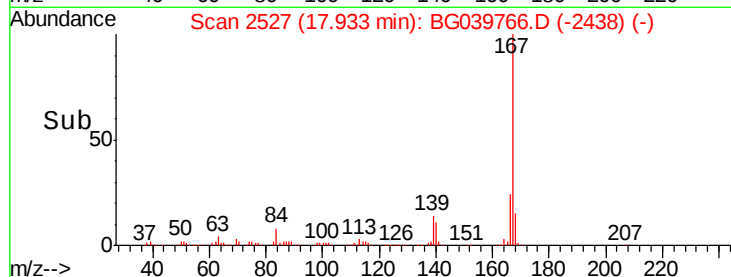
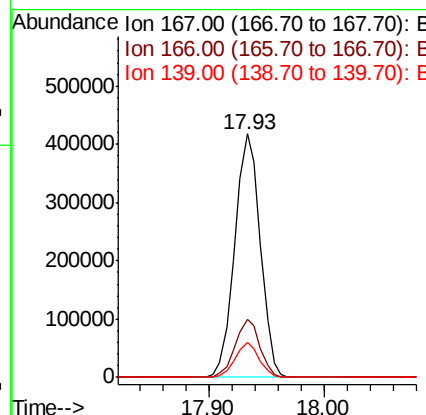
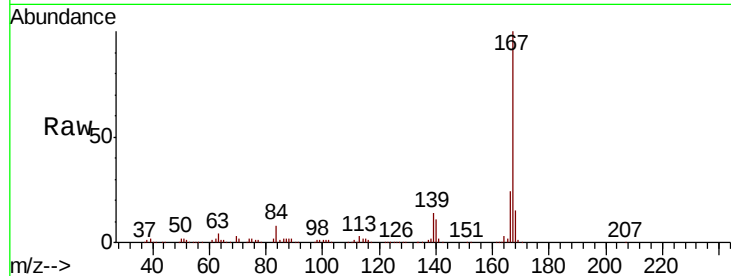




#73  
 Carbazole  
 Concen: 41.246 ng  
 RT: 17.93 min Scan# 2527  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

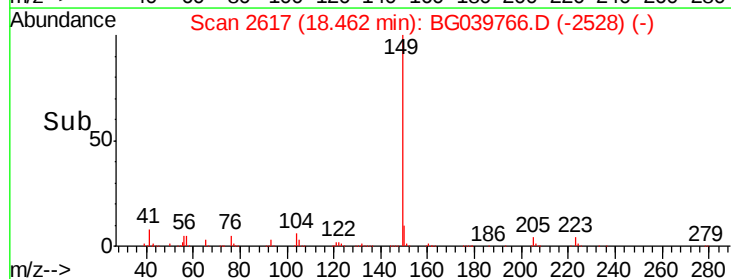
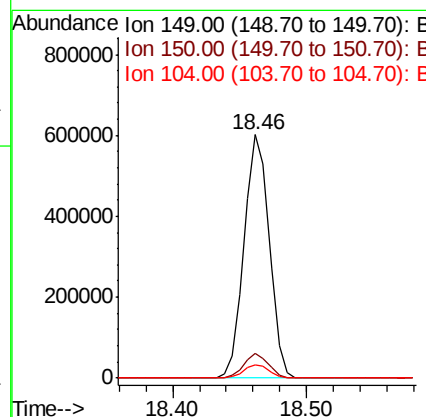
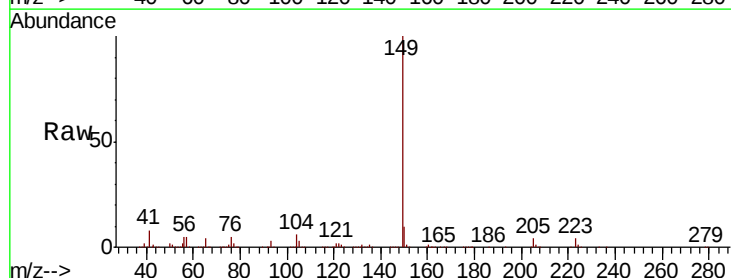
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

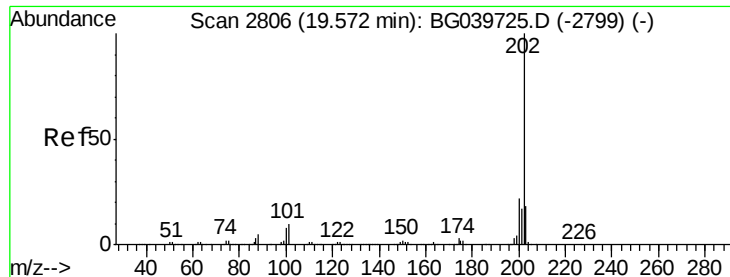
Tgt Ion:167 Resp: 637362  
 Ion Ratio Lower Upper  
 167 100  
 166 23.6 19.4 29.2  
 139 14.2 10.8 16.2



#74  
 Di-n-butylphthalate  
 Concen: 42.930 ng  
 RT: 18.46 min Scan# 2617  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:149 Resp: 780532  
 Ion Ratio Lower Upper  
 149 100  
 150 9.9 7.7 11.5  
 104 5.6 4.5 6.7





#75

Fluoranthene

Concen: 41.578 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

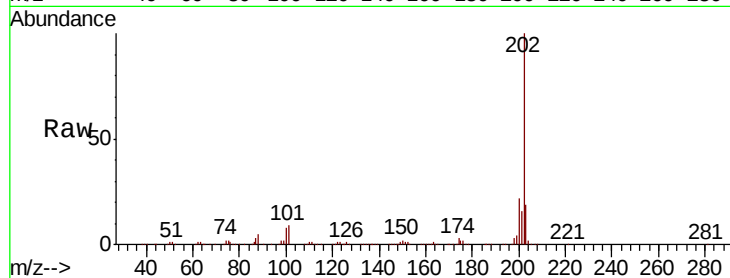
Tgt Ion:202 Resp: 864336

Ion Ratio Lower Upper

202 100

101 9.3 0.0 30.0

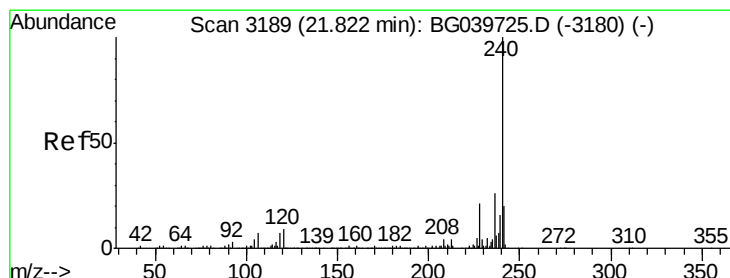
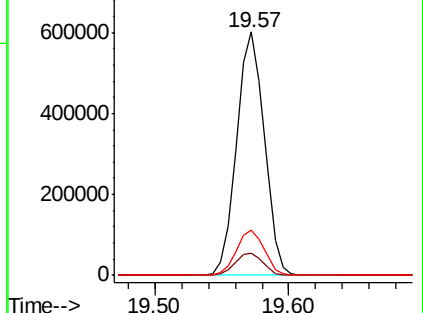
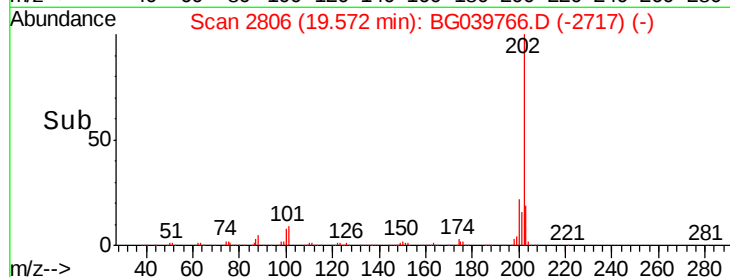
203 18.7 0.0 38.9



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: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

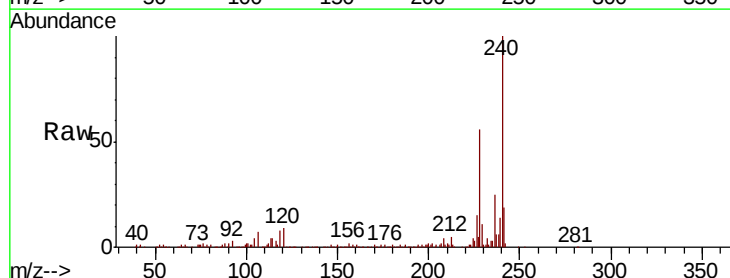
Tgt Ion:240 Resp: 326917

Ion Ratio Lower Upper

240 100

120 8.5 7.0 10.6

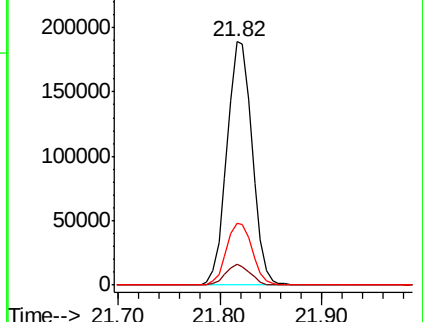
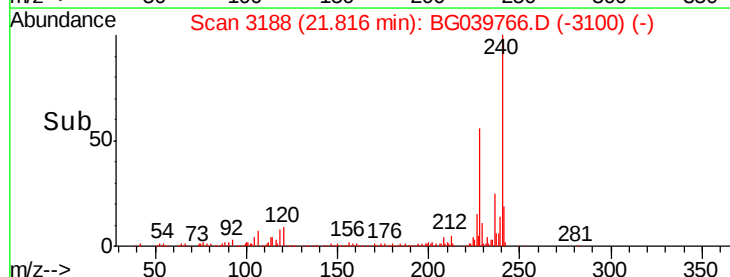
236 25.3 21.0 31.4

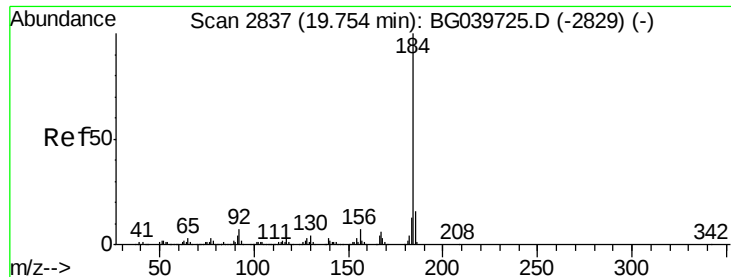


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.456 ng

RT: 19.75 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

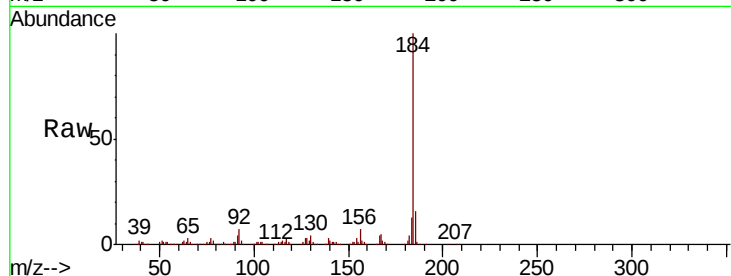
Tgt Ion:184 Resp: 398942

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

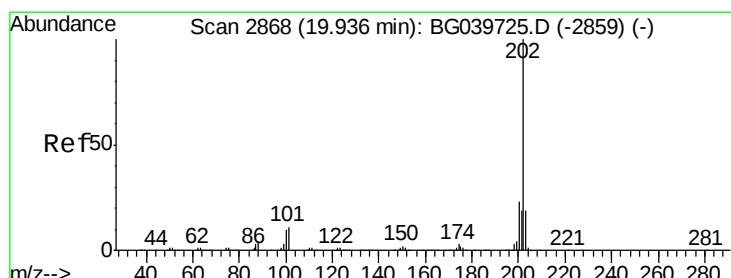
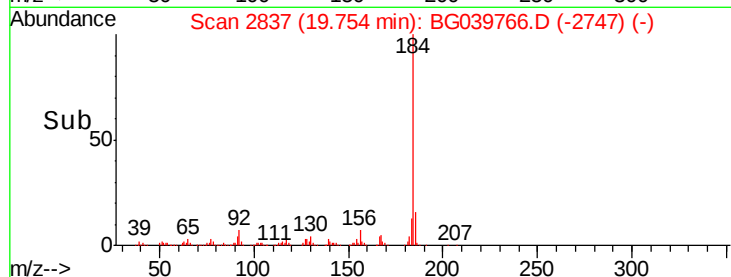
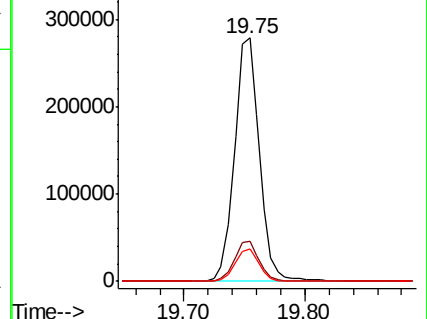
183 13.3 10.6 15.8



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: 40.595 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

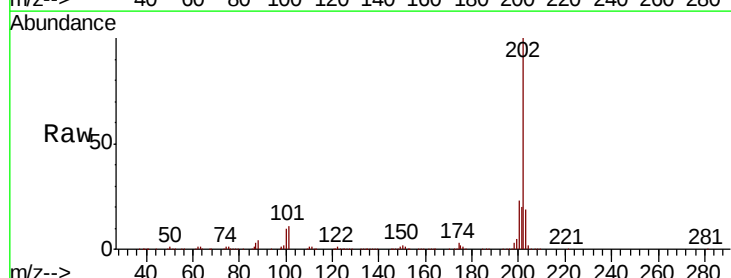
Tgt Ion:202 Resp: 862365

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

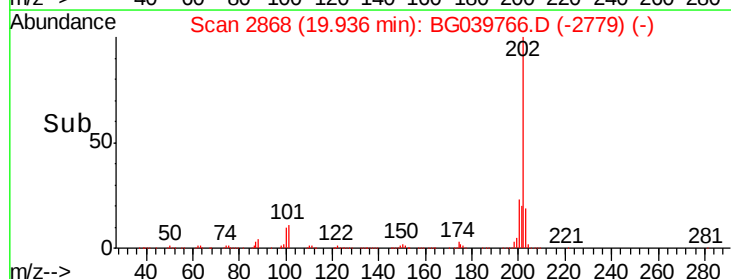
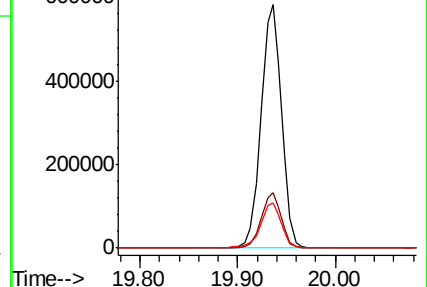
203 18.6 15.3 22.9

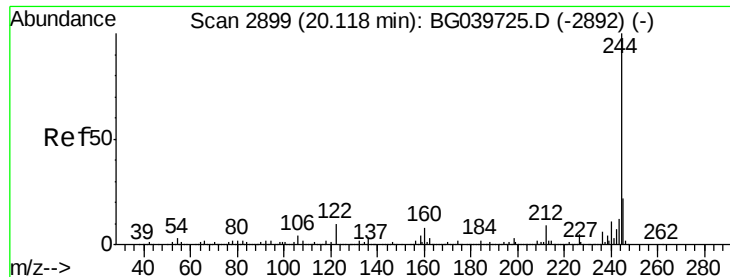


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.687 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

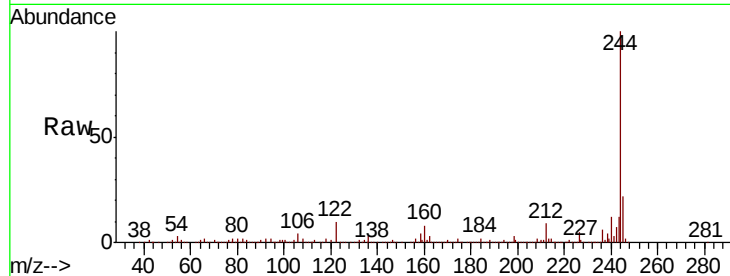
Tgt Ion:244 Resp: 1153472

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

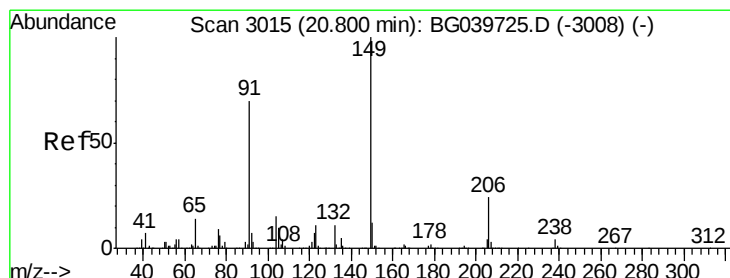
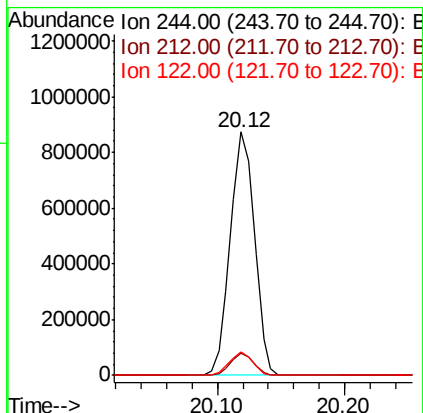
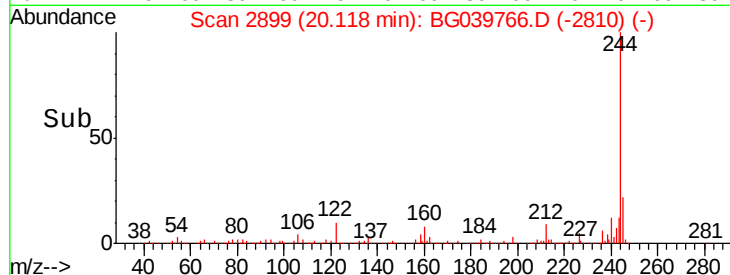
122 9.6 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.121 ng

RT: 20.80 min Scan# 3015

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

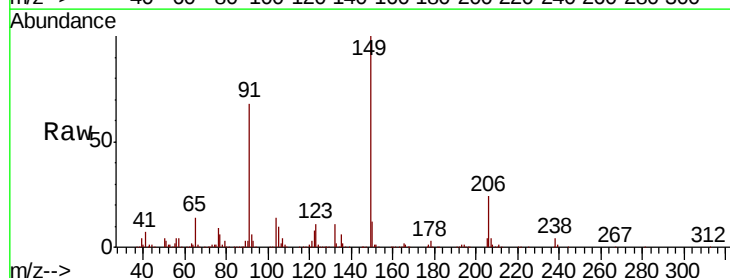
Tgt Ion:149 Resp: 363122

Ion Ratio Lower Upper

149 100

91 67.6 59.5 89.3

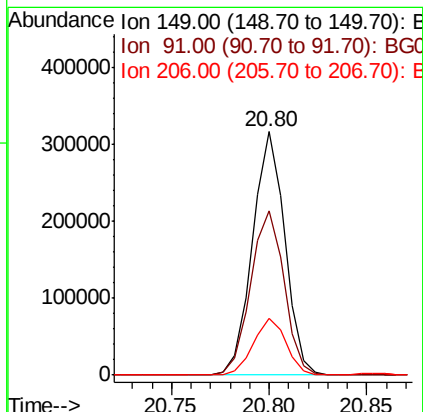
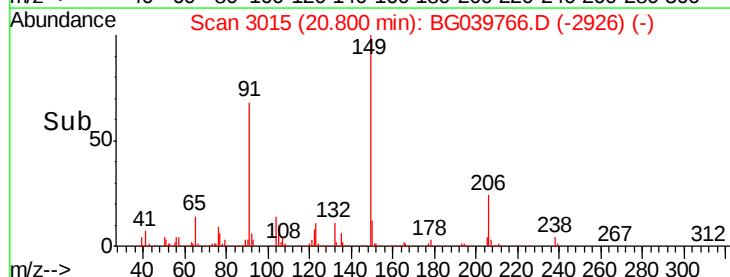
206 23.6 18.6 27.8

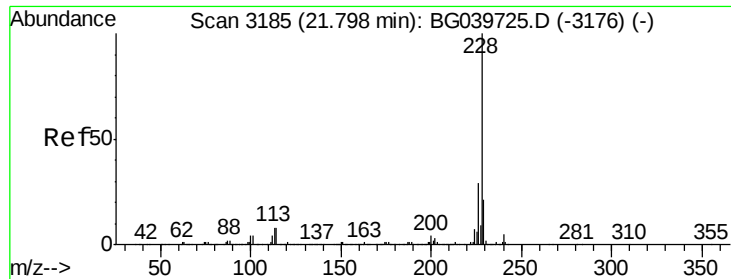


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.604 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

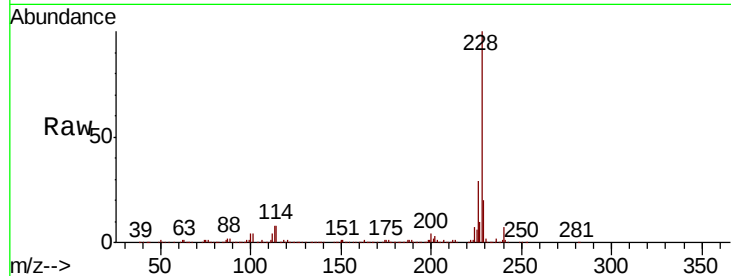
Tgt Ion:228 Resp: 811430

Ion Ratio Lower Upper

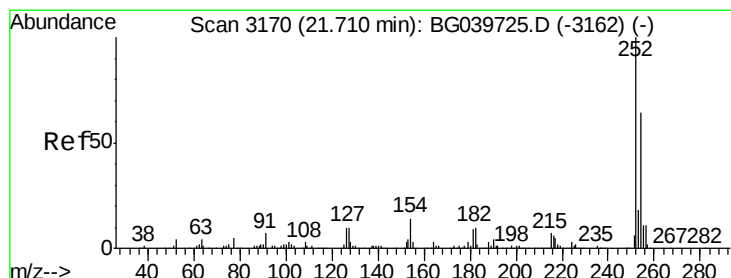
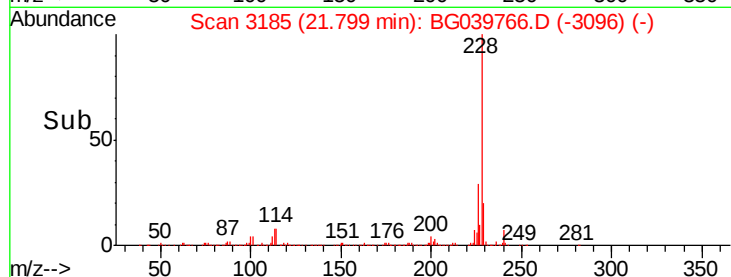
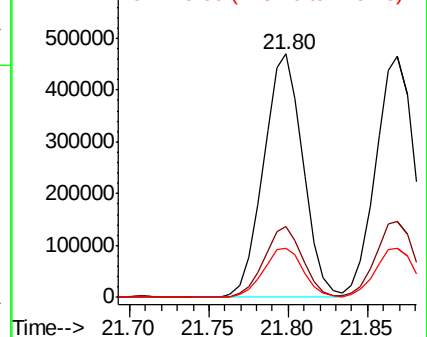
228 100

226 29.2 23.0 34.6

229 20.4 16.9 25.3



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: 23.664 ng

RT: 21.71 min Scan# 3170

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

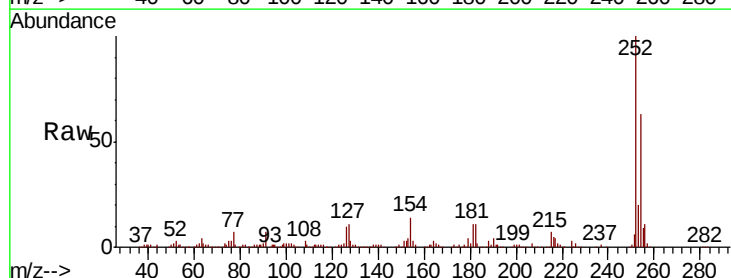
Tgt Ion:252 Resp: 177012

Ion Ratio Lower Upper

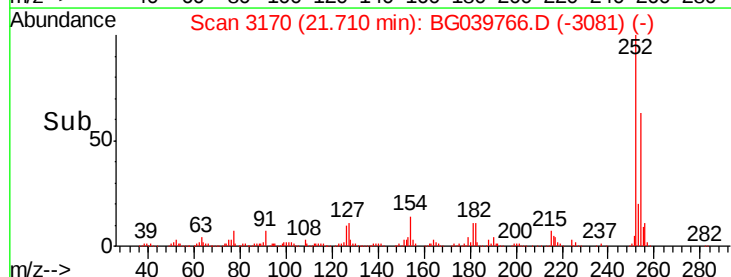
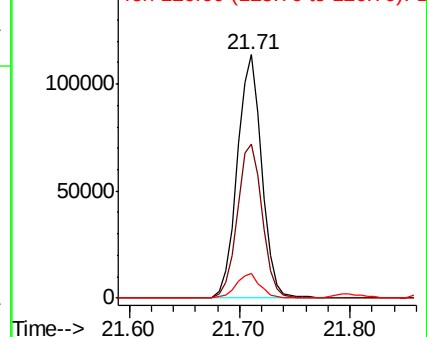
252 100

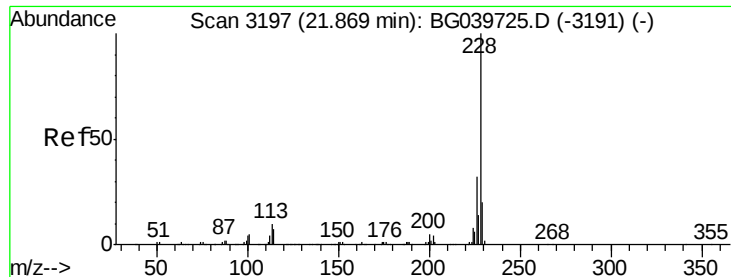
254 63.4 51.3 76.9

126 10.2 8.0 12.0



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: 39.814 ng

RT: 21.87 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

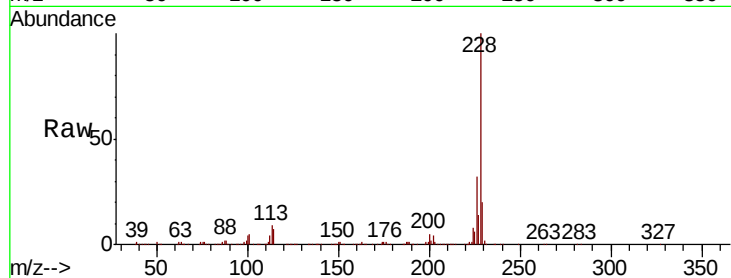
Tgt Ion:228 Resp: 790840

Ion Ratio Lower Upper

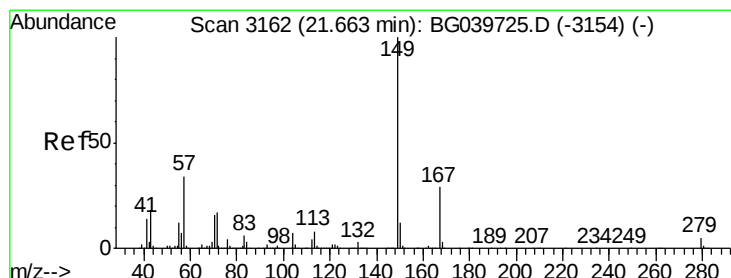
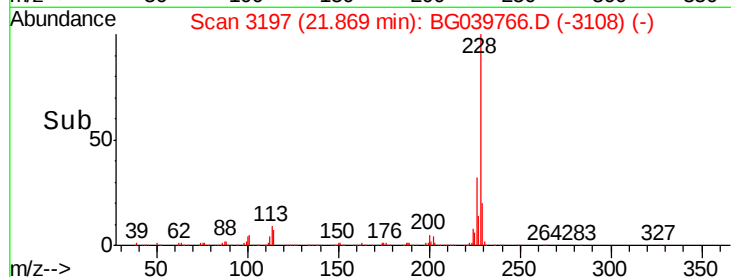
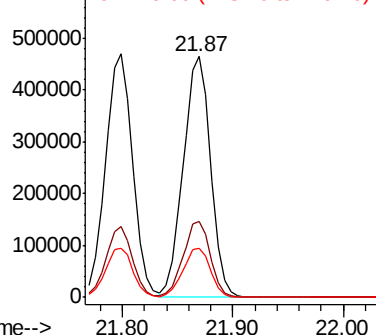
228 100

226 31.6 25.8 38.6

229 20.5 16.6 25.0



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: 43.209 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

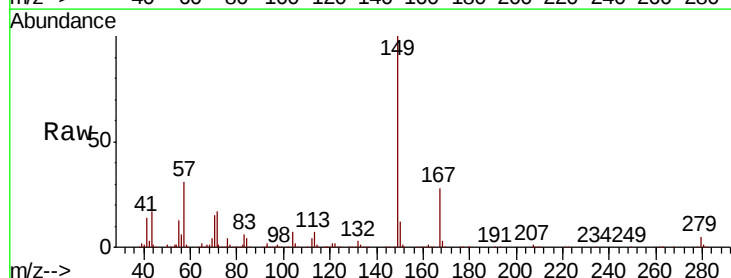
Tgt Ion:149 Resp: 499725

Ion Ratio Lower Upper

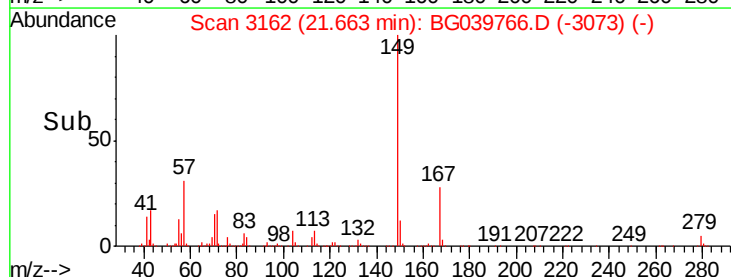
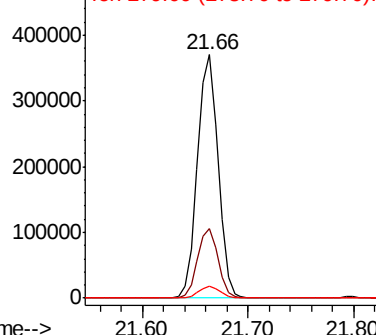
149 100

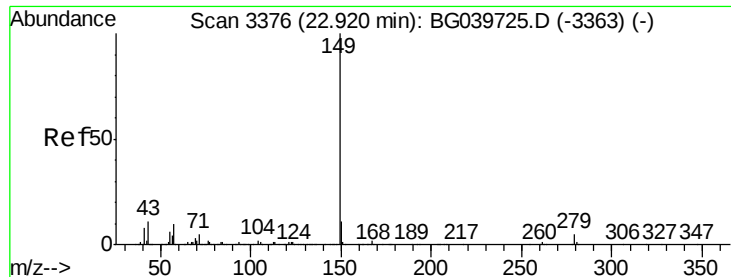
167 28.5 22.6 34.0

279 4.8 3.5 5.3



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

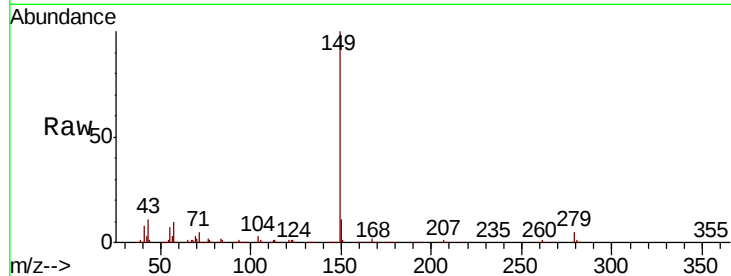




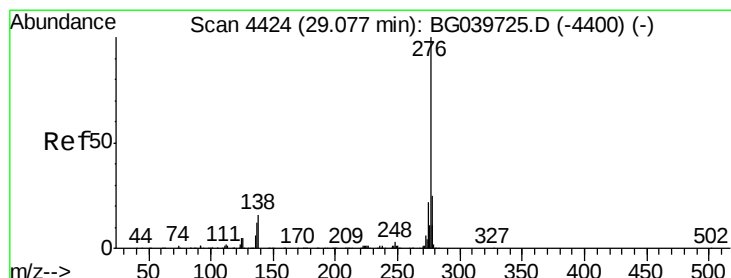
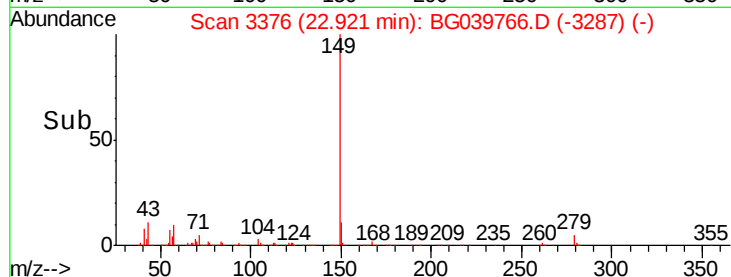
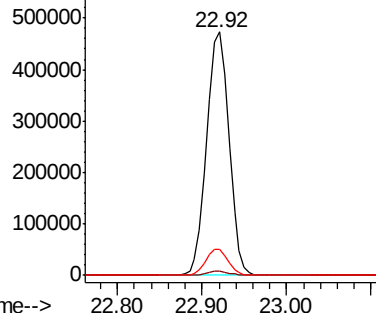
#85  
 Di-n-octyl phthalate  
 Concen: 44.909 ng  
 RT: 22.92 min Scan# 3376  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117619BSD

Tgt Ion:149 Resp: 859998  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.3 1.9  
 43 10.9 10.2 15.4

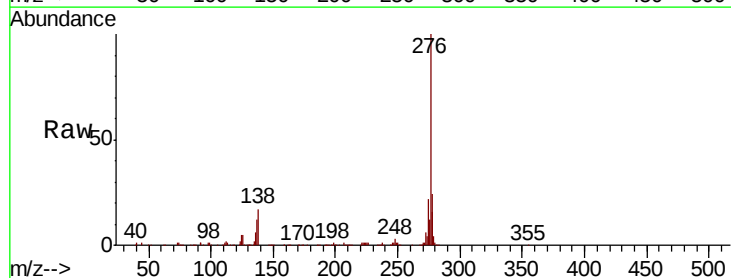


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BGC

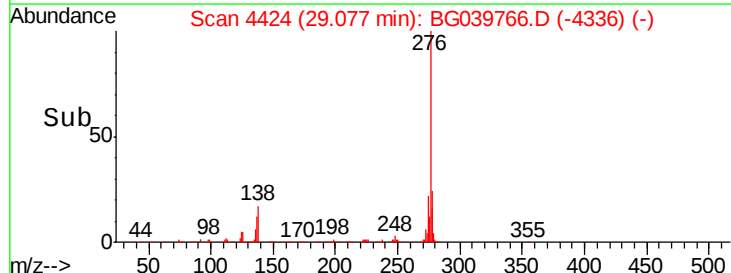
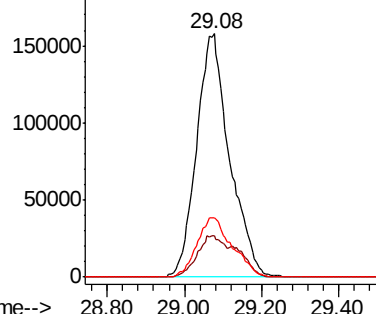


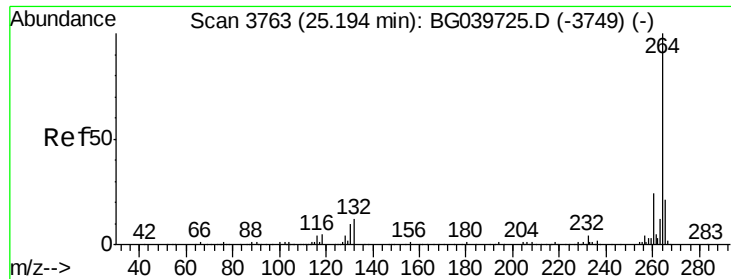
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 41.762 ng  
 RT: 29.08 min Scan# 4424  
 Delta R.T. -0.01 min  
 Lab File: BG039766.D  
 Acq: 5 Mar 2019 16:07

Tgt Ion:276 Resp: 941065  
 Ion Ratio Lower Upper  
 276 100  
 138 14.7 12.6 19.0  
 277 26.1 20.8 31.2



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

Perylene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3763

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

Instrument :

BNA\_G

ClientSampleId :

PB117619BSD

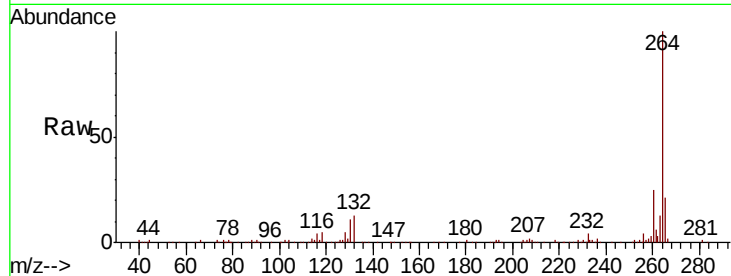
Tgt Ion:264 Resp: 326049

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

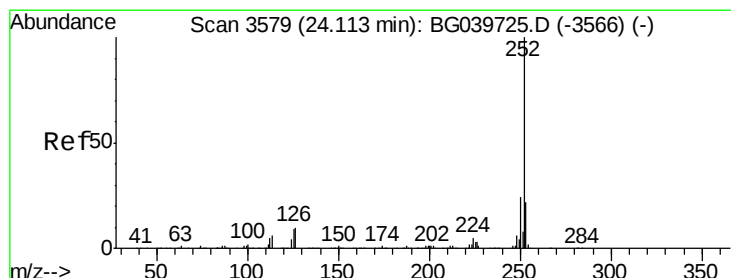
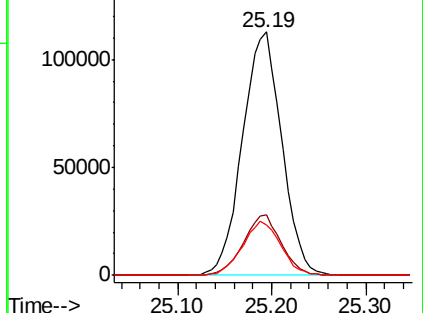
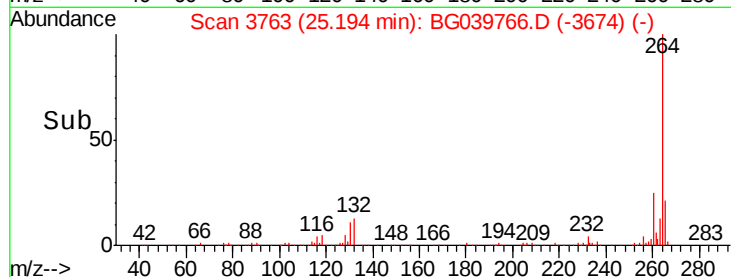
265 20.7 18.5 27.7



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: 42.756 ng

RT: 24.11 min Scan# 3578

Delta R.T. -0.01 min

Lab File: BG039766.D

Acq: 5 Mar 2019 16:07

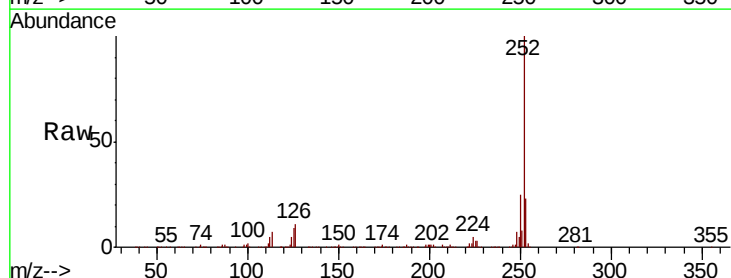
Tgt Ion:252 Resp: 831306

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

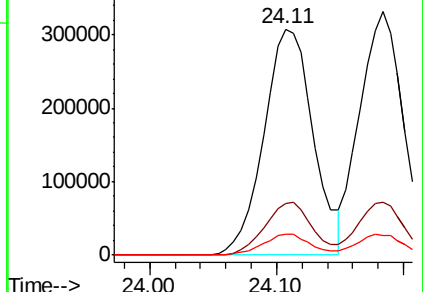
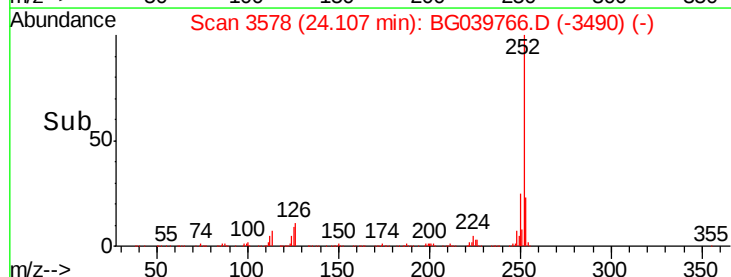
125 9.2 7.8 11.6

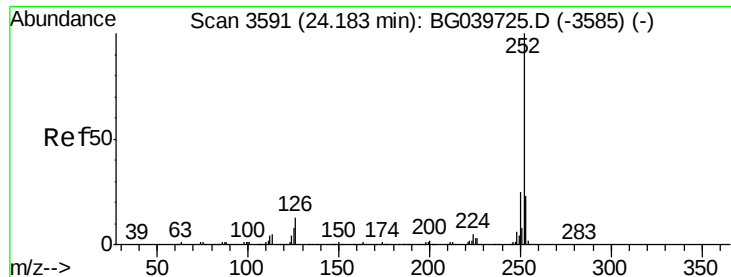


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

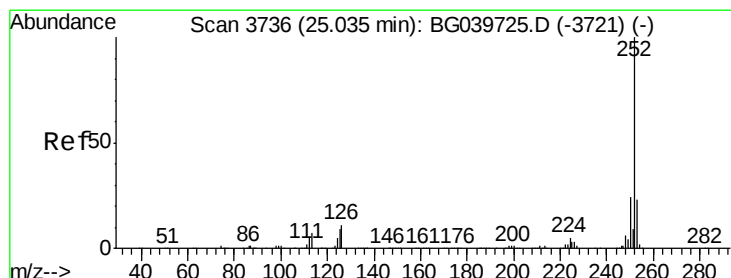
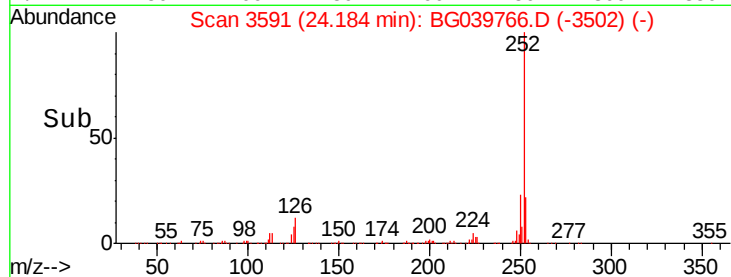
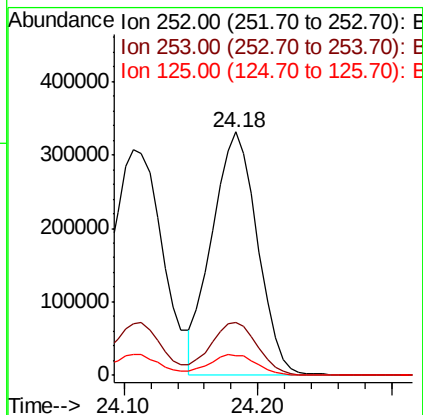
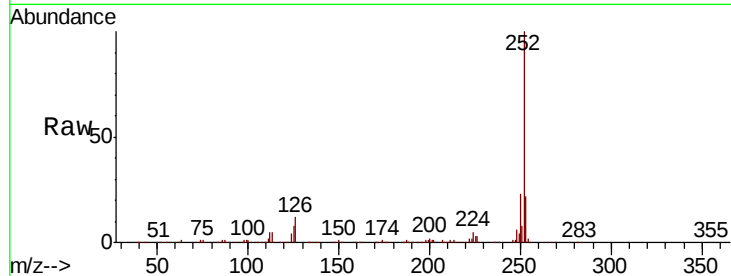




#89  
Benzo(k)fluoranthene  
Concen: 43.340 ng  
RT: 24.18 min Scan# 3591  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

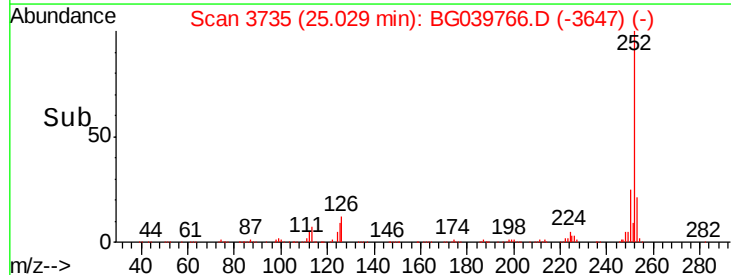
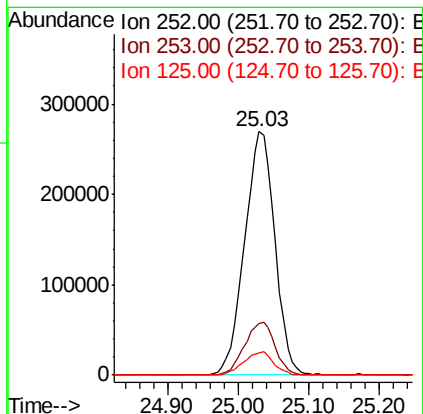
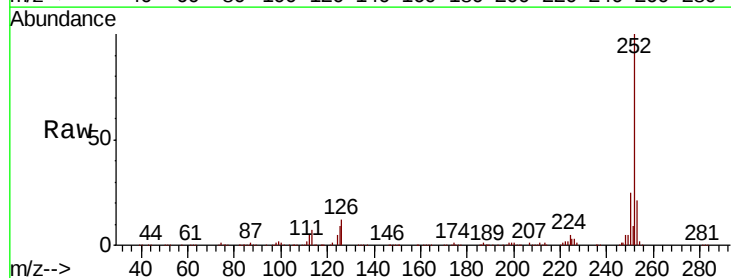
Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

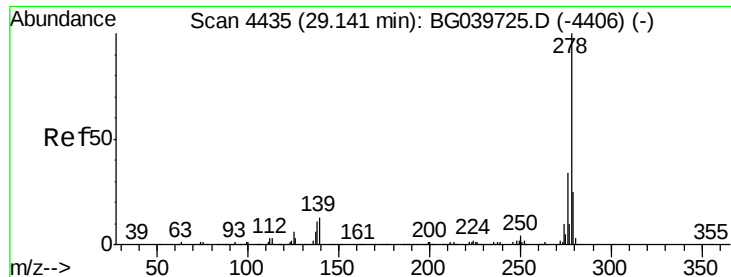
Tgt Ion:252 Resp: 784394  
Ion Ratio Lower Upper  
252 100  
253 21.6 18.2 27.2  
125 8.0 7.4 11.2



#90  
Benzo(a)pyrene  
Concen: 44.743 ng  
RT: 25.03 min Scan# 3735  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Tgt Ion:252 Resp: 803875  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.9 26.9  
125 9.3 8.3 12.5

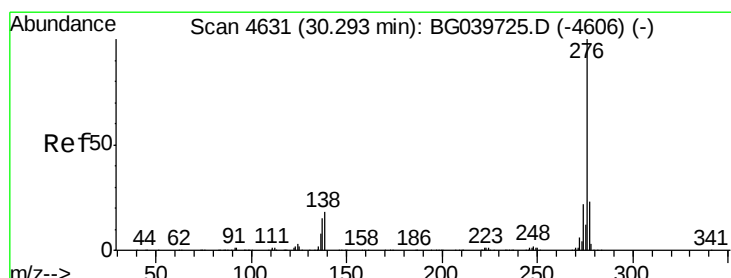
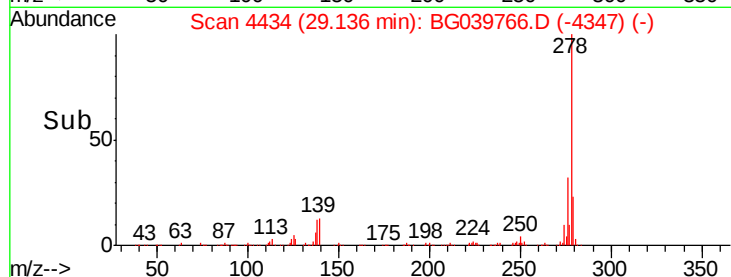
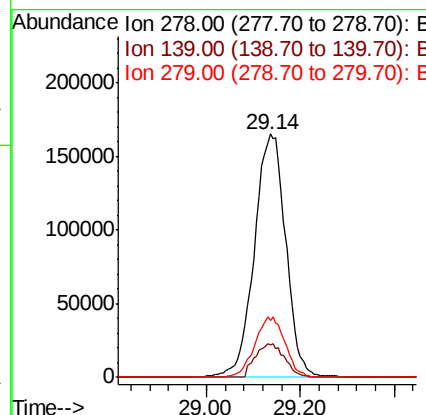
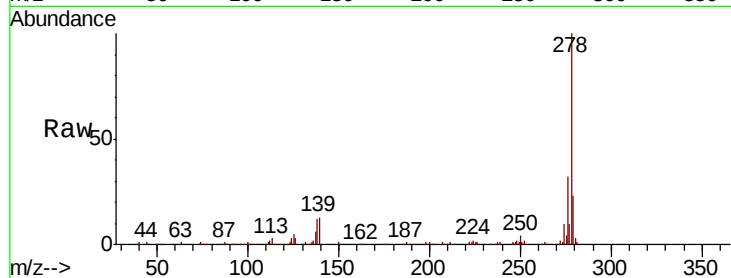




#91  
Dibenzo(a,h)anthracene  
Concen: 43.637 ng  
RT: 29.14 min Scan# 4434  
Delta R.T. -0.02 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB117619BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.4  | 11.7  | 17.5  |
| 279     | 23.4  | 19.1  | 28.7  |



#92  
Benzo(g,h,i)perylene  
Concen: 44.184 ng  
RT: 30.30 min Scan# 4632  
Delta R.T. -0.01 min  
Lab File: BG039766.D  
Acq: 5 Mar 2019 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.7  | 19.6  | 29.4  |
| 138     | 17.0  | 14.7  | 22.1  |

