

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041918\  
 Data File : BG033864.D  
 Acq On : 19 Apr 2018 11:13  
 Operator : SJ/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 19 13:11:17 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:09:28 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 45850    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.63 | 136  | 235205   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.48 | 164  | 166650   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.23 | 188  | 408636   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.49 | 240  | 402765   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.56 | 264  | 410355   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.45  | 112 | 234008  | 95.70 | ng | 0.00 |
| 7) Phenol-d6             | 7.00  | 99  | 349426  | 83.17 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.99  | 82  | 332283  | 64.91 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.97 | 330 | 161719  | 64.88 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.10 | 172 | 901892  | 78.13 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.86 | 244 | 1441782 | 76.56 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.43  | 88  | 46820  | 37.705 | ng | 93     |
| 3) Pyridine                    | 3.81  | 79  | 151034 | 43.999 | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.72  | 42  | 63887  | 45.352 | ng | # 86   |
| 6) Aniline                     | 7.17  | 93  | 236204 | 47.808 | ng | 97     |
| 8) 2-Chlorophenol              | 7.41  | 128 | 132211 | 47.297 | ng | 96     |
| 9) Benzaldehyde                | 6.98  | 77  | 91268  | 34.183 | ng | 97     |
| 10) Phenol                     | 7.03  | 94  | 177210 | 42.722 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.27  | 93  | 137374 | 40.574 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.73  | 146 | 154363 | 42.238 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 7.88  | 146 | 154988 | 42.346 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.19  | 146 | 150180 | 42.041 | ng | 96     |
| 15) Benzyl Alcohol             | 8.07  | 79  | 151407 | 45.772 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.38  | 45  | 267126 | 48.397 | ng | 97     |
| 17) 2-Methylphenol             | 8.27  | 107 | 130574 | 46.209 | ng | 94     |
| 18) Hexachloroethane           | 8.91  | 117 | 55650  | 39.395 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 8.64  | 70  | 150002 | 48.725 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.60  | 107 | 191180 | 47.518 | ng | 94     |
| 22) Acetophenone               | 8.65  | 105 | 255252 | 39.612 | ng | # 99   |
| 24) Nitrobenzene               | 9.03  | 77  | 185069 | 33.774 | ng | 97     |
| 25) Isophorone                 | 9.56  | 82  | 374998 | 37.742 | ng | 95     |
| 26) 2-Nitrophenol              | 9.74  | 139 | 71033  | 34.240 | ng | 95     |
| 27) 2,4-Dimethylphenol         | 9.80  | 122 | 136163 | 45.181 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.05 | 93  | 198233 | 39.986 | ng | 95     |
| 29) 2,4-Dichlorophenol         | 10.27 | 162 | 151819 | 40.963 | ng | 93     |
| 30) 1,2,4-Trichlorobenzene     | 10.49 | 180 | 166694 | 34.617 | ng | 98     |
| 31) Naphthalene                | 10.67 | 128 | 485185 | 39.807 | ng | 97     |
| 32) Benzoic acid               | 9.93  | 122 | 127857 | 45.638 | ng | # 86   |
| 33) 4-Chloroaniline            | 10.78 | 127 | 232235 | 42.529 | ng | 96     |
| 34) Hexachlorobutadiene        | 10.97 | 225 | 105205 | 28.891 | ng | 100    |
| 35) Caprolactam                | 11.56 | 113 | 63115  | 43.468 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 11.91 | 107 | 182369 | 37.727 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.29 | 142 | 373058 | 39.434 | ng | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.66 | 216 | 218033 | 36.119 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.64 | 237 | 123698 | 34.955 | ng | 96     |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

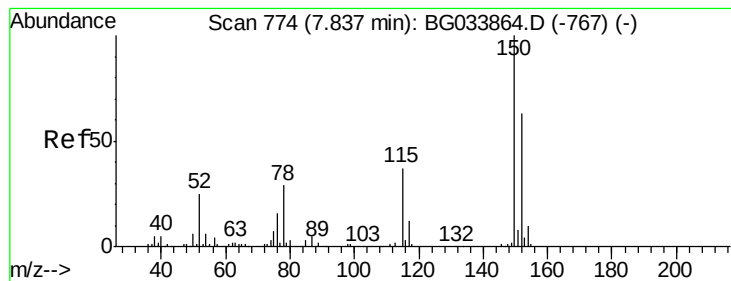
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 19 13:11:17 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:09:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.90 | 196  | 134268   | 38.283 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.97 | 196  | 154914   | 37.369 | nq    | 95       |
| 45) 1,1'-Biphenyl              | 13.31 | 154  | 533452   | 41.665 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.35 | 162  | 403985   | 40.922 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.55 | 65   | 128274   | 34.691 | nq    | 94       |
| 48) Acenaphthylene             | 14.19 | 152  | 675568   | 40.997 | nq    | 99       |
| 49) Dimethylphthalate          | 13.94 | 163  | 580083   | 39.997 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.05 | 165  | 112741   | 38.018 | nq    | 89       |
| 51) Acenaphthene               | 14.54 | 154  | 434237   | 40.879 | nq    | 99       |
| 52) 3-Nitroaniline             | 14.38 | 138  | 127298   | 40.945 | nq    | # 87     |
| 53) 2,4-Dinitrophenol          | 14.58 | 184  | 39079    | 31.544 | nq    | # 54     |
| 54) Dibenzofuran               | 14.88 | 168  | 624348   | 39.791 | nq    | 95       |
| 55) 4-Nitrophenol              | 14.68 | 139  | 100717   | 46.070 | nq    | 93       |
| 56) 2,4-Dinitrotoluene         | 14.83 | 165  | 149337   | 34.202 | nq    | 89       |
| 57) Fluorene                   | 15.53 | 166  | 542866   | 40.611 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.10 | 232  | 148591   | 38.074 | nq    | 99       |
| 59) Diethylphthalate           | 15.32 | 149  | 612411   | 43.486 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.53 | 204  | 280386   | 36.489 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.55 | 138  | 132747   | 42.164 | nq    | 94       |
| 62) Azobenzene                 | 15.82 | 77   | 545969   | 40.021 | nq    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.60 | 198  | 74080    | 30.304 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 15.74 | 169  | 471935   | 40.454 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.43 | 248  | 180112   | 37.531 | nq    | 95       |
| 67) Hexachlorobenzene          | 16.53 | 284  | 193058   | 38.118 | nq    | # 72     |
| 68) Atrazine                   | 16.70 | 200  | 185448   | 39.229 | nq    | 100      |
| 69) Pentachlorophenol          | 16.87 | 266  | 134268   | 38.625 | nq    | # 56     |
| 70) Phenanthrene               | 17.27 | 178  | 877465   | 41.231 | nq    | 98       |
| 71) Anthracene                 | 17.36 | 178  | 884136   | 41.030 | nq    | 99       |
| 72) Carbazole                  | 17.63 | 167  | 836147   | 43.789 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.22 | 149  | 1045841  | 47.056 | nq    | 99       |
| 74) Fluoranthene               | 19.29 | 202  | 1052232  | 39.954 | nq    | 96       |
| 76) Benzidine                  | 19.48 | 184  | 432218   | 39.572 | nq    | 97       |
| 77) Pyrene                     | 19.65 | 202  | 1070288  | 39.844 | nq    | 96       |
| 79) Butylbenzylphthalate       | 20.57 | 149  | 468334   | 47.246 | nq    | 95       |
| 80) Benzo(a)anthracene         | 21.47 | 228  | 1017288  | 39.666 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.40 | 252  | 384215   | 42.100 | nq    | 97       |
| 82) Chrysene                   | 21.53 | 228  | 973568   | 39.216 | nq    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 21.43 | 149  | 666041   | 48.742 | nq    | 96       |
| 84) Di-n-octyl phthalate       | 22.61 | 149  | 1067472  | 51.021 | nq    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.05 | 276  | 1128611  | 42.048 | nq    | # 91     |
| 87) Benzo(b)fluoranthene       | 23.59 | 252  | 1001716  | 42.252 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 23.66 | 252  | 997459   | 41.599 | nq    | 98       |
| 89) Benzo(a)pyrene             | 24.42 | 252  | 964003   | 42.341 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 28.12 | 278  | 931483   | 43.433 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 29.14 | 276  | 919884   | 43.315 | nq    | 98       |

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



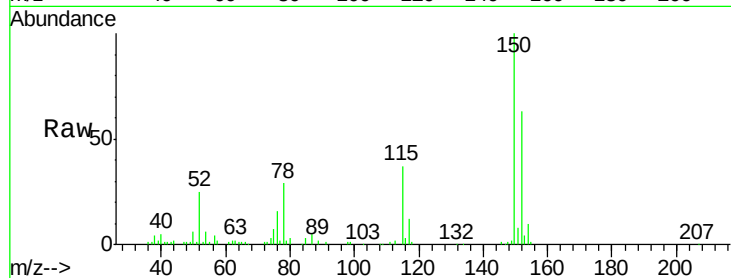


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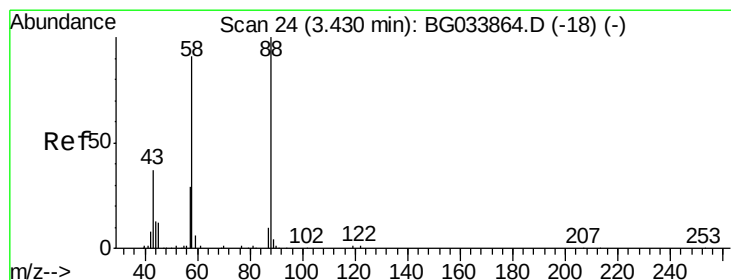
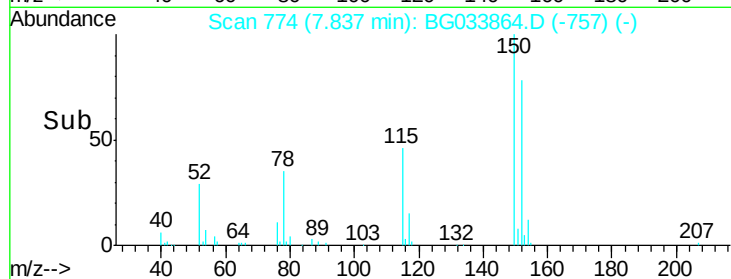
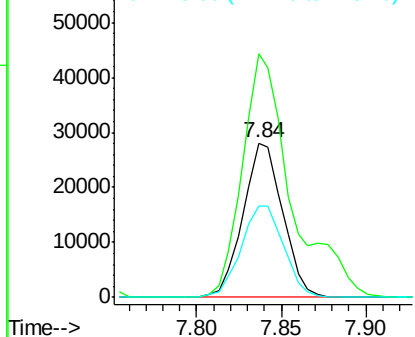
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.84 min Scan# 774  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 45850  
Ion Ratio Lower Upper  
152 100  
150 157.9 126.6 189.8  
115 58.8 53.0 79.4



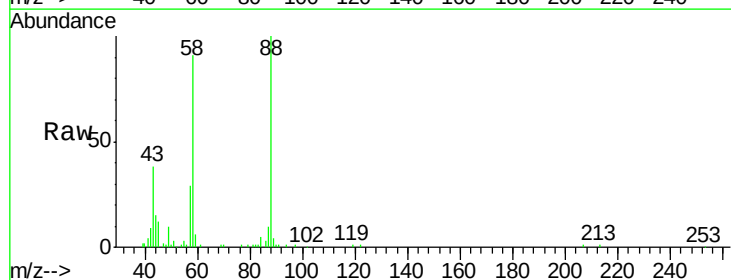
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



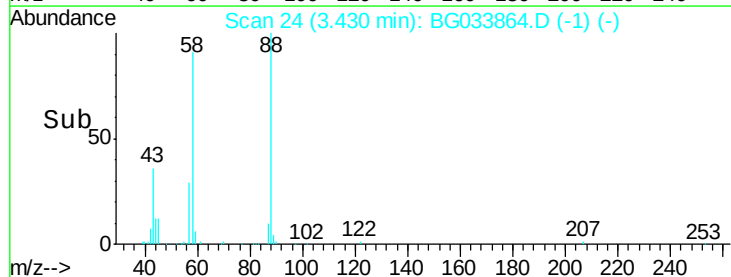
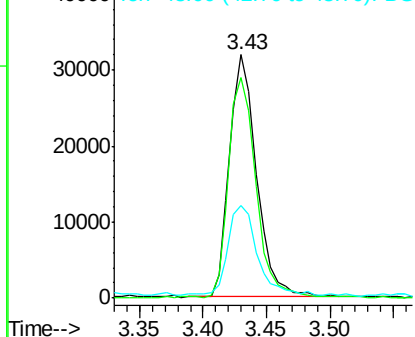
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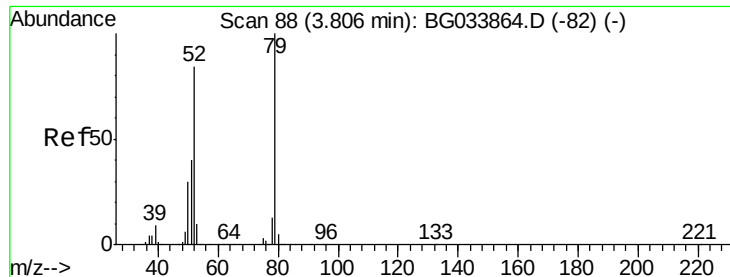
1,4-Dioxane  
Concen: 37.705 ng  
RT: 3.43 min Scan# 24  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion: 88 Resp: 46820  
Ion Ratio Lower Upper  
88 100  
58 93.8 79.6 119.4  
43 39.6 27.4 41.0



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





#3

Pvridine

Concen: 43.999 ng

RT: 3.81 min Scan# 88

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

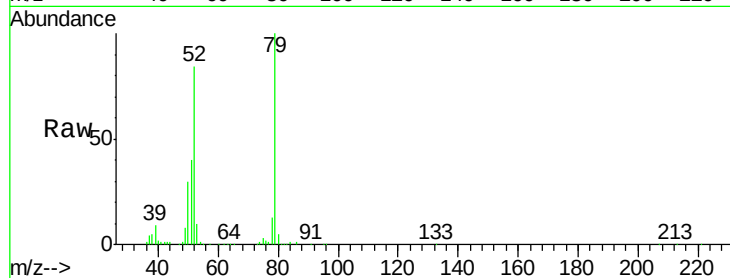
Tot Ion: 79 Resp: 151034

Ion Ratio Lower Upper

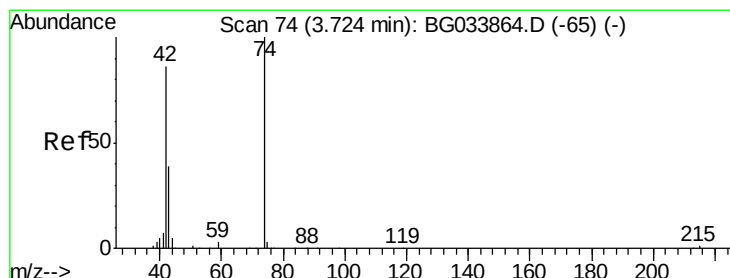
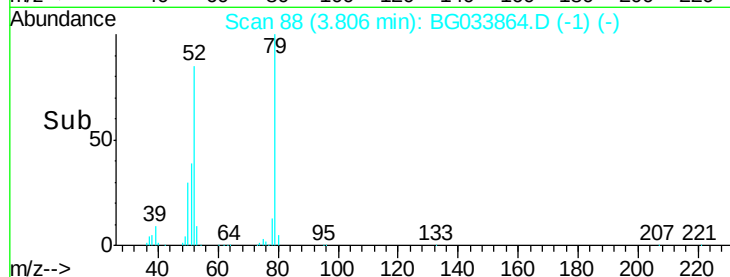
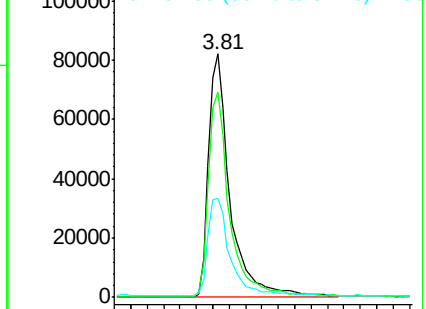
79 100

52 84.3 69.9 104.9

51 40.4 34.0 51.0



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



#4

n-Nitrosodimethylamine

Concen: 45.352 ng

RT: 3.72 min Scan# 74

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

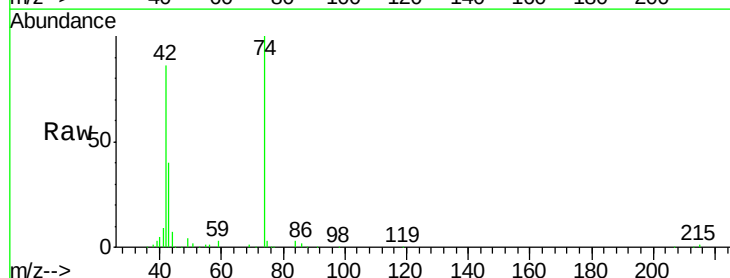
Tgt Ion: 42 Resp: 63887

Ion Ratio Lower Upper

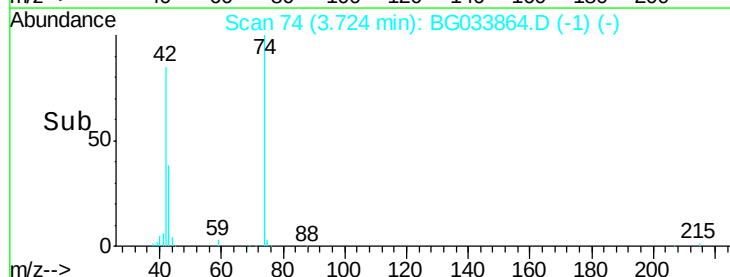
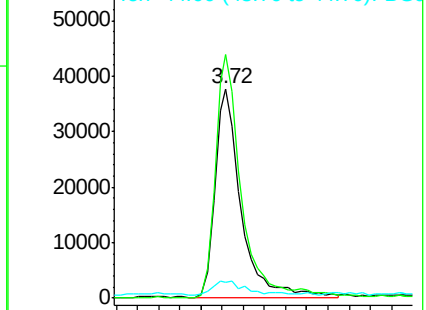
42 100

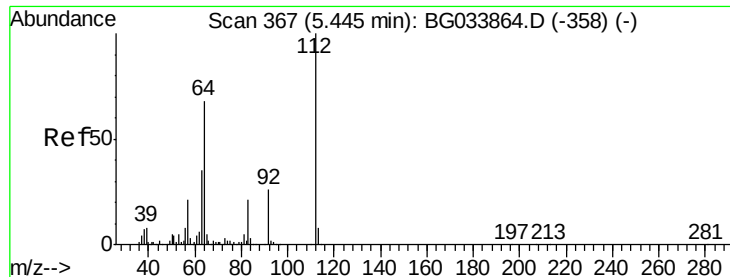
74 116.2 102.5 153.7

44 7.6 18.9 28.3#



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





#5

2-Fluorophenol

Concen: 95.702 ng

RT: 5.45 min Scan# 367

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

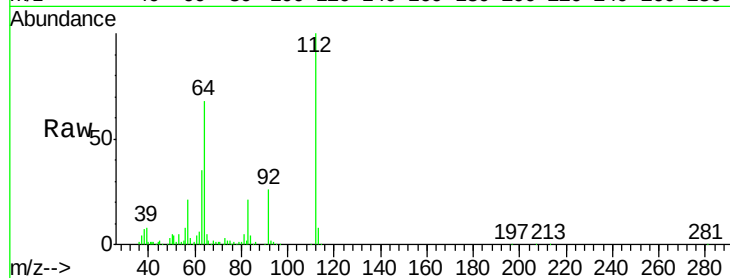
Tot Ion:112 Resp: 234008

Ion Ratio Lower Upper

112 100

64 68.1 56.3 84.5

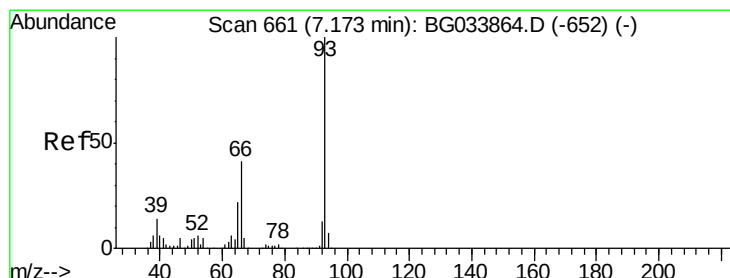
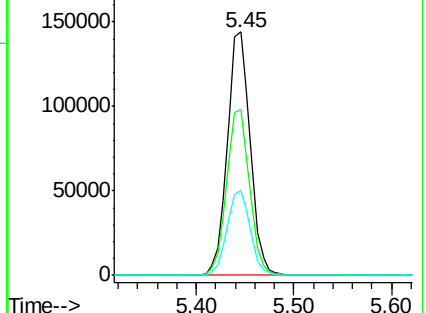
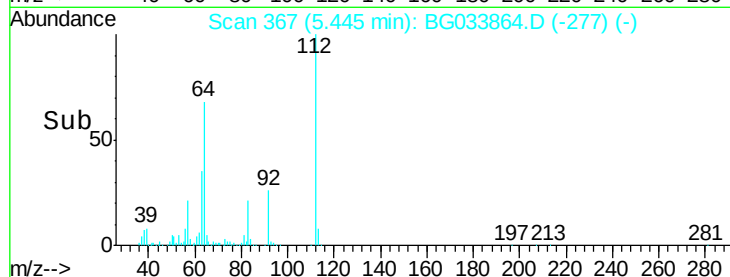
63 35.1 30.1 45.1



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: 47.808 ng

RT: 7.17 min Scan# 661

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

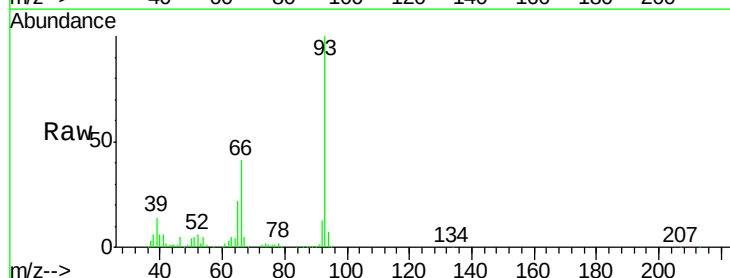
Tgt Ion: 93 Resp: 236204

Ion Ratio Lower Upper

93 100

66 41.1 33.7 50.5

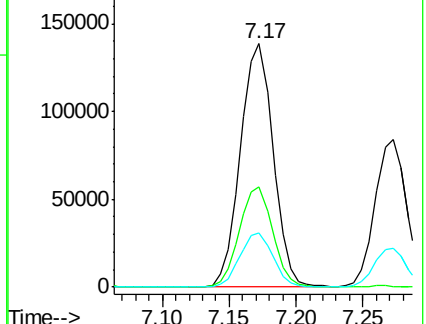
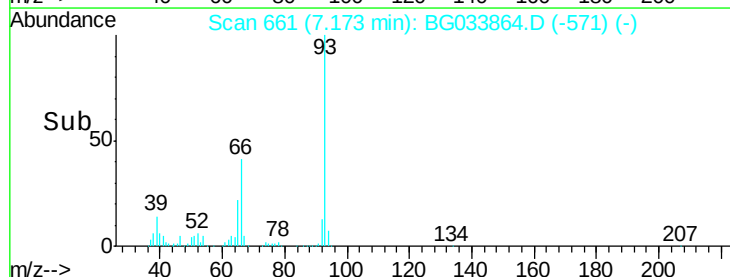
65 22.4 16.1 24.1

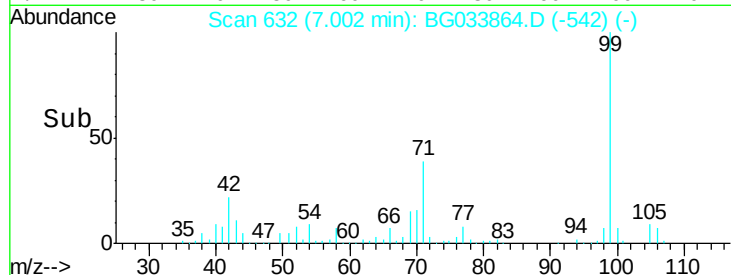
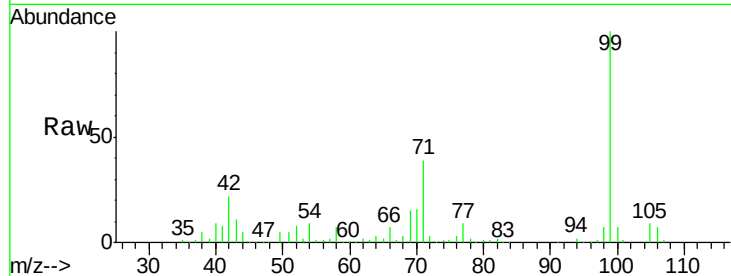
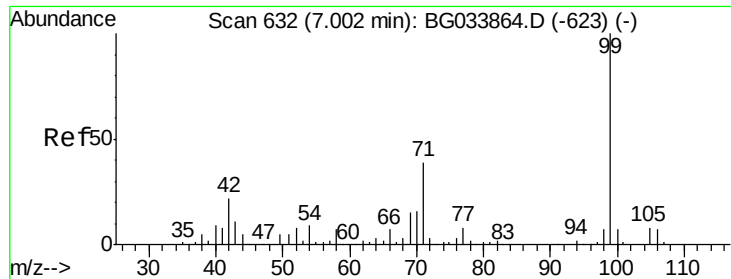


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 83.171 ng

RT: 7.00 min Scan# 632

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampled :

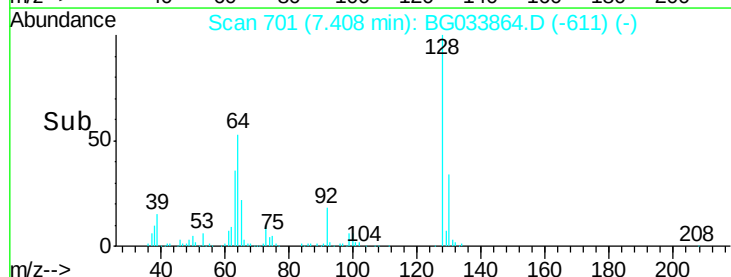
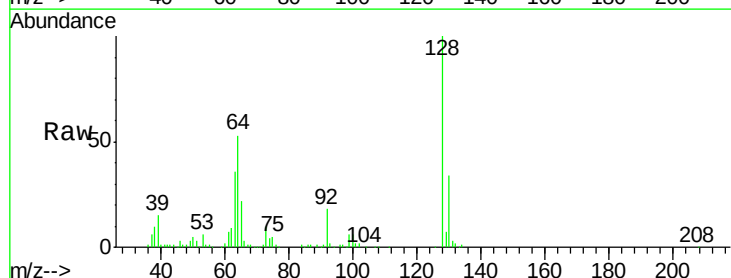
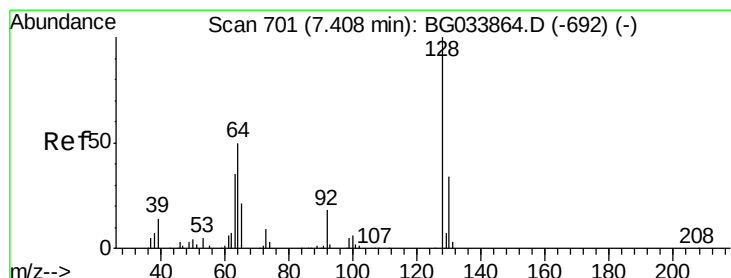
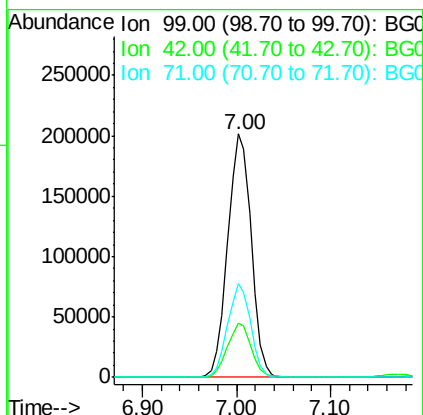
Tot Ion: 99 Resp: 349426

Ion Ratio Lower Upper

99 100

42 22.4 14.1 21.1#

71 38.8 26.1 39.1



#8

2-Chlorophenol

Concen: 47.297 ng

RT: 7.41 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

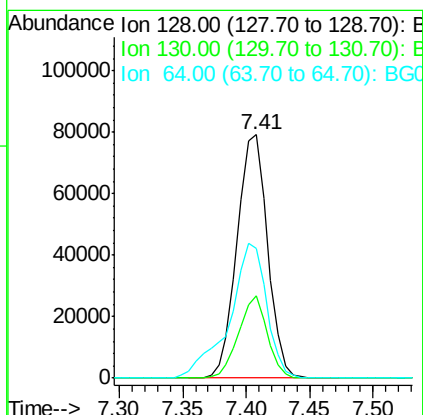
Tgt Ion:128 Resp: 132211

Ion Ratio Lower Upper

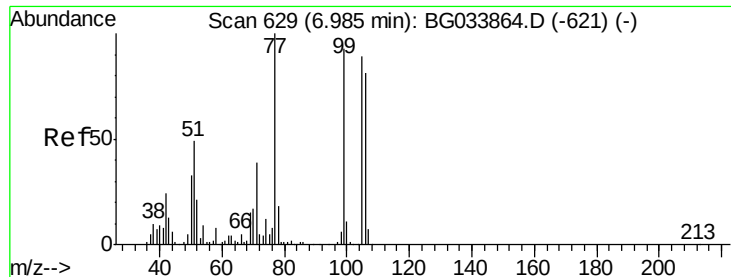
128 100

130 33.7 14.0 54.0

64 53.1 37.7 77.7







#9

Benzaldehyde

Concen: 34.183 ng

RT: 6.98 min Scan# 629

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampled :

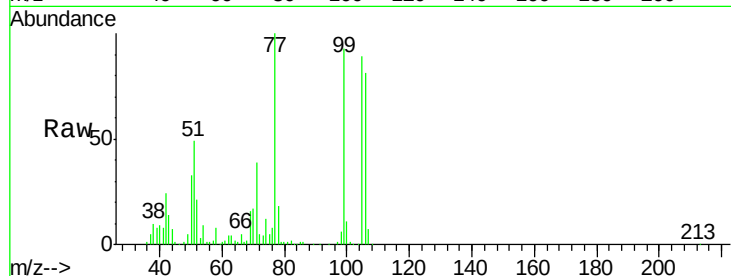
Tot Ion: 77 Resp: 91268

Ion Ratio Lower Upper

77 100

105 88.7 71.3 111.3

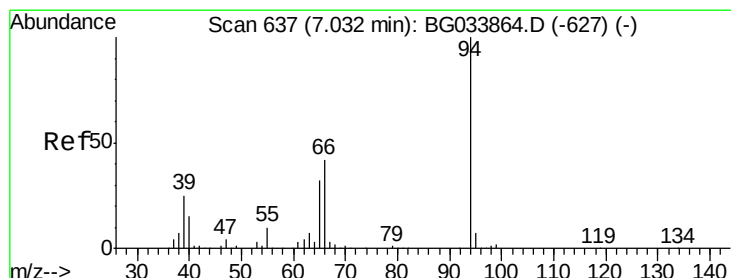
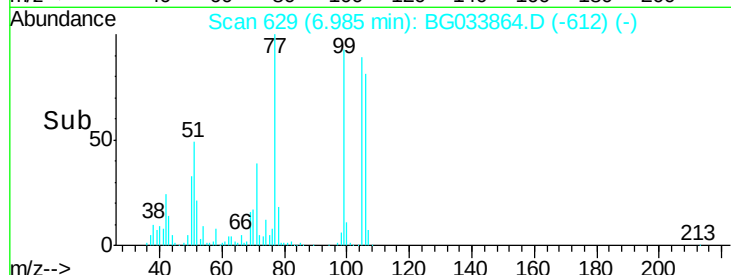
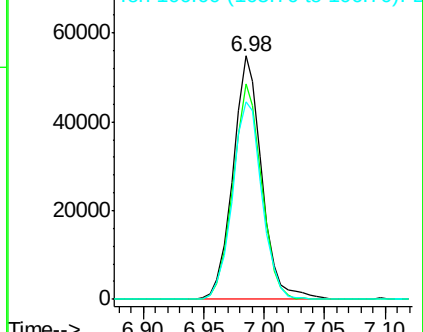
106 81.1 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 42.722 ng

RT: 7.03 min Scan# 637

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

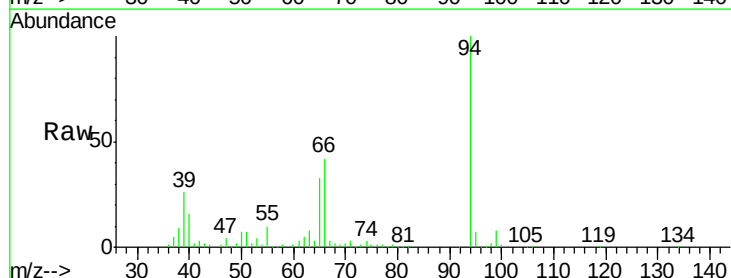
Tgt Ion: 94 Resp: 177210

Ion Ratio Lower Upper

94 100

65 32.6 11.9 51.9

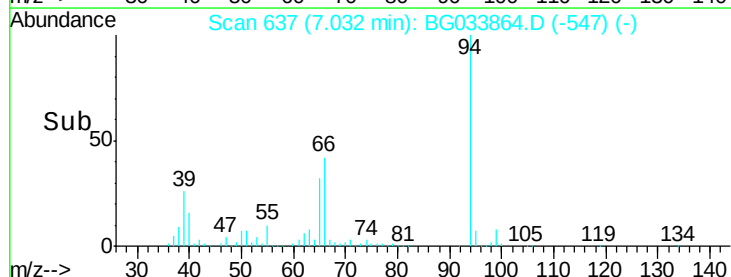
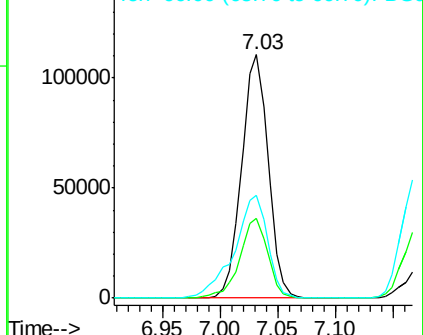
66 42.4 22.2 62.2



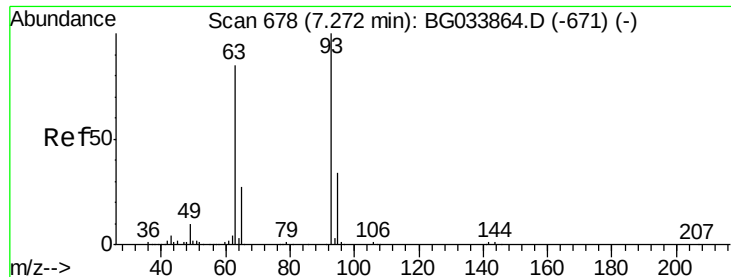
Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC







#11

bis(2-Chloroethyl)ether

Concen: 40.574 ng

RT: 7.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

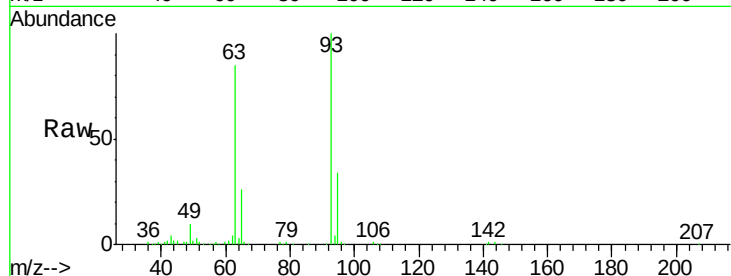
Tot Ion: 93 Resp: 137374

Ion Ratio Lower Upper

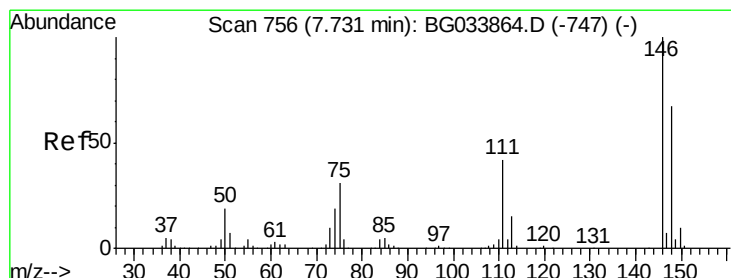
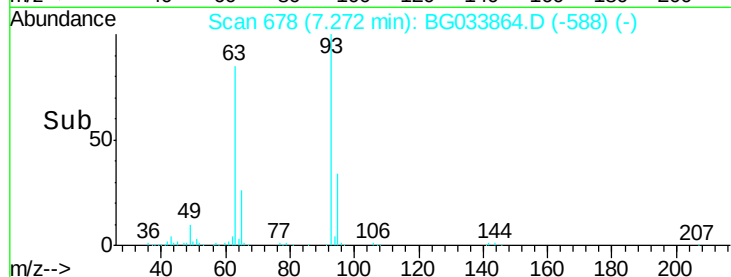
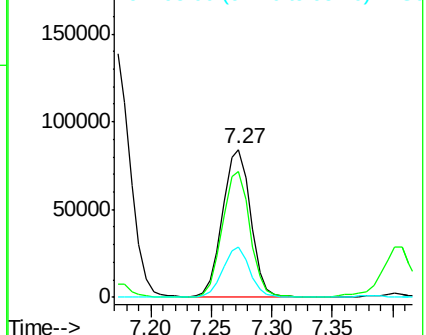
93 100

63 84.7 67.1 107.1

95 34.3 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 42.238 ng

RT: 7.73 min Scan# 756

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

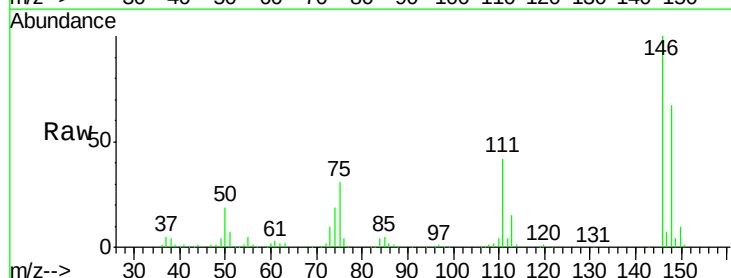
Tgt Ion: 146 Resp: 154363

Ion Ratio Lower Upper

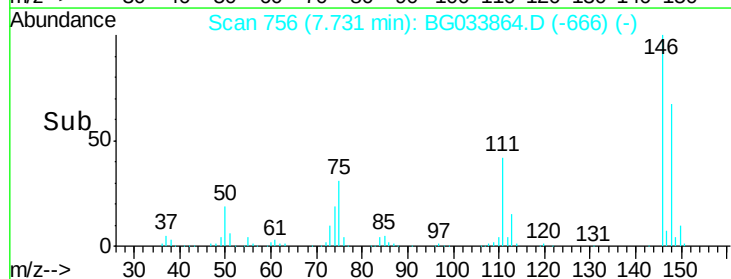
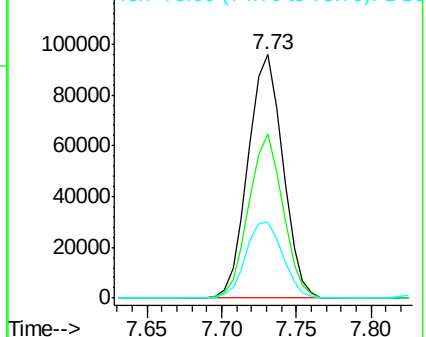
146 100

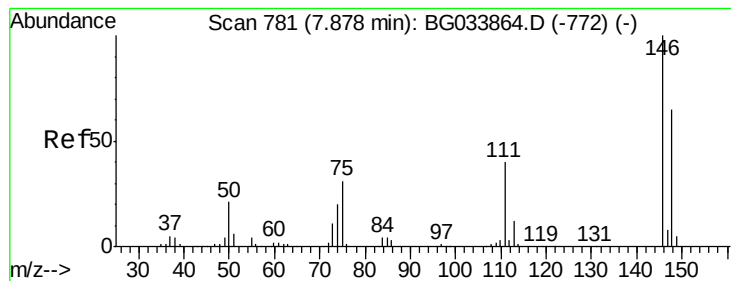
148 67.3 51.4 77.2

75 31.1 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): BGC  
Ion 148.00 (147.70 to 148.70): BGC  
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 42.346 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

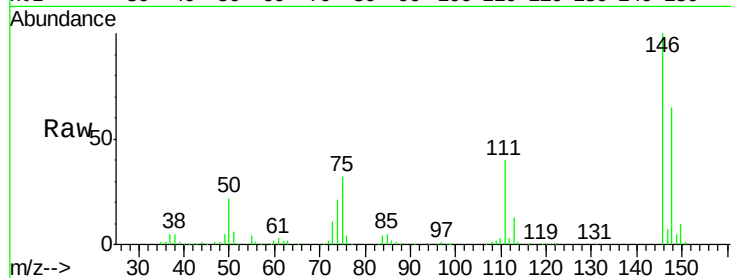
Tot Ion:146 Resp: 154988

Ion Ratio Lower Upper

146 100

148 65.2 53.7 80.5

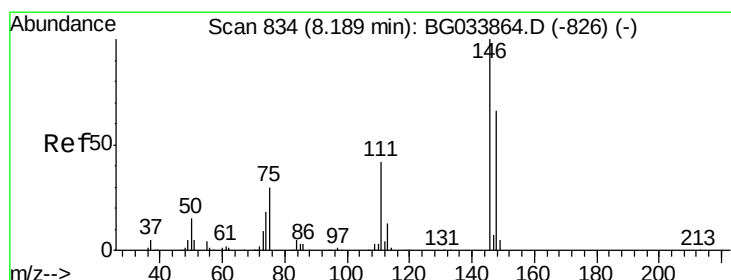
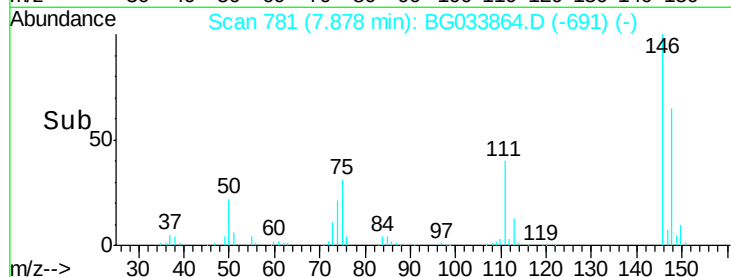
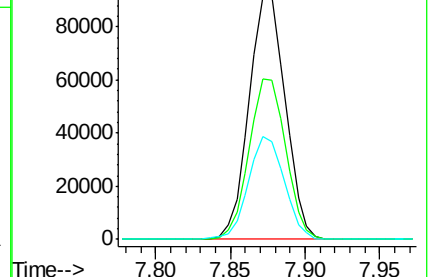
111 40.4 35.2 52.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.041 ng

RT: 8.19 min Scan# 834

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

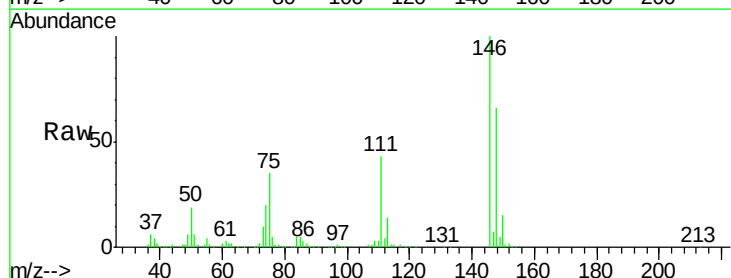
Tgt Ion:146 Resp: 150180

Ion Ratio Lower Upper

146 100

148 66.2 49.3 73.9

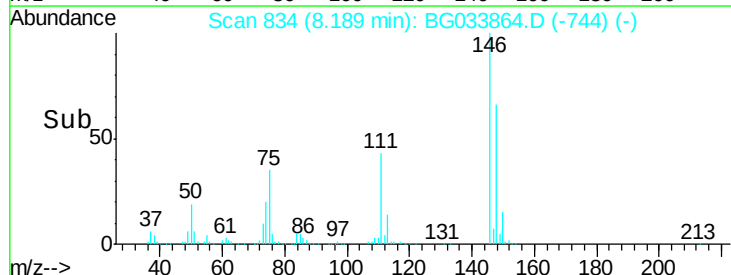
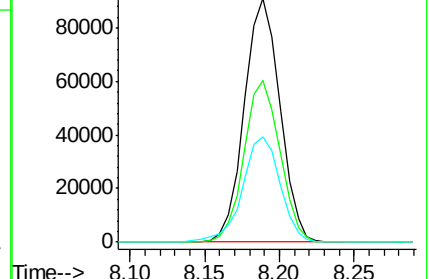
111 43.2 34.3 51.5

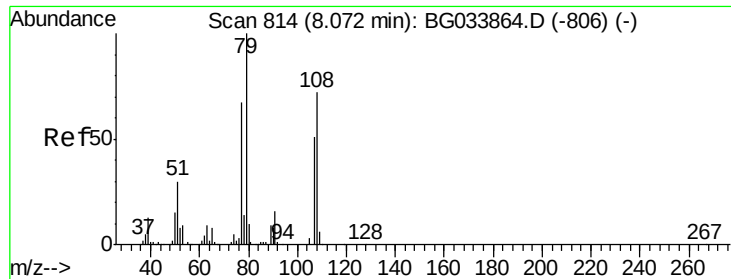


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

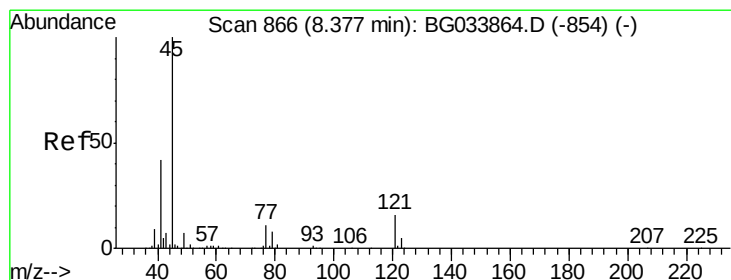
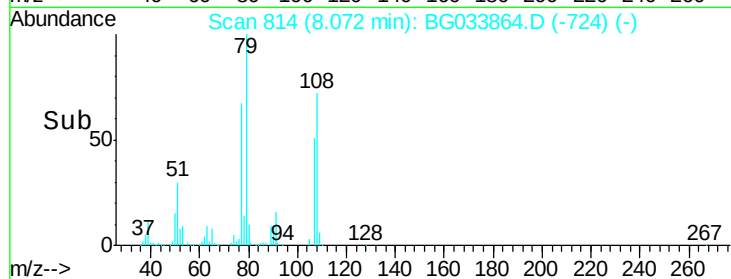
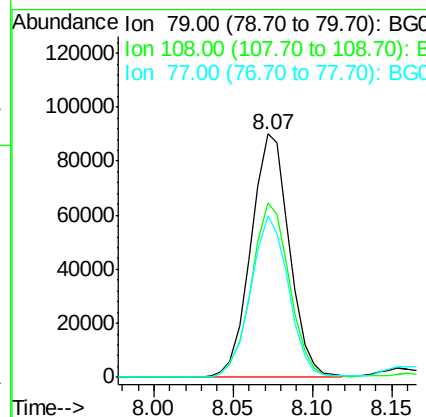
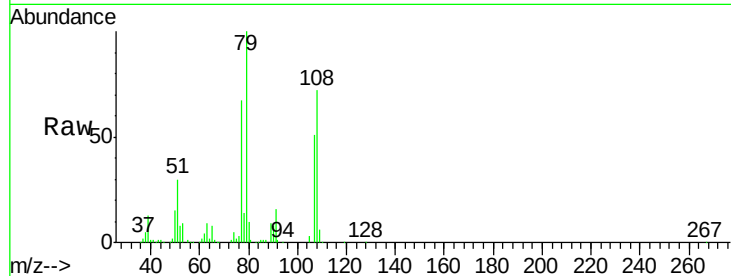




#15  
Benzyl Alcohol  
Concen: 45.772 ng  
RT: 8.07 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

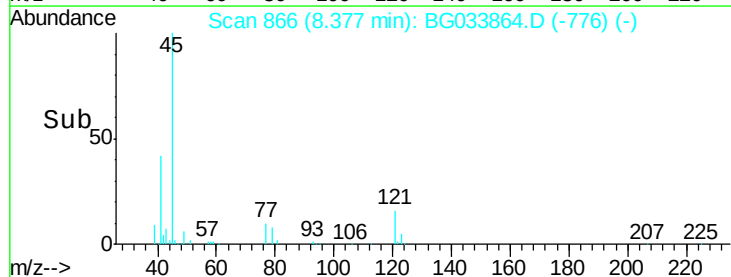
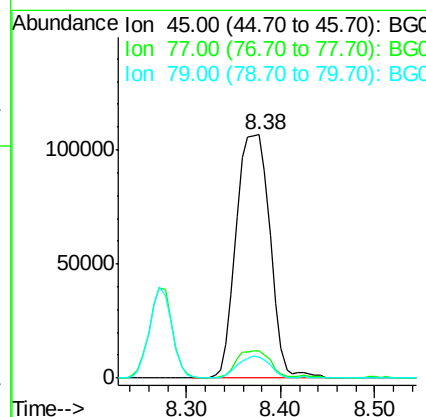
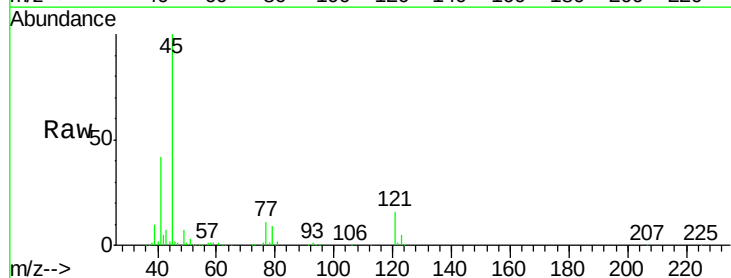
Instrument :  
BNA\_G  
ClientSampleId :

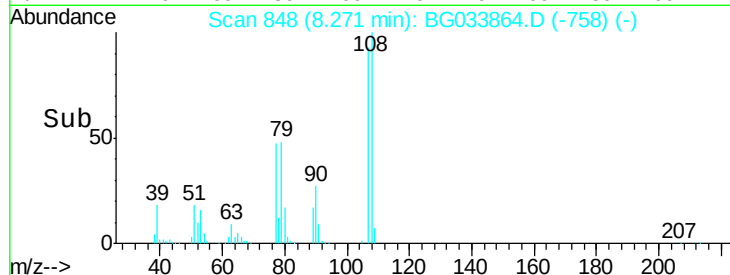
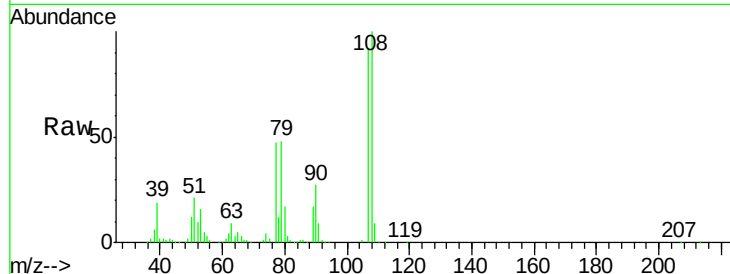
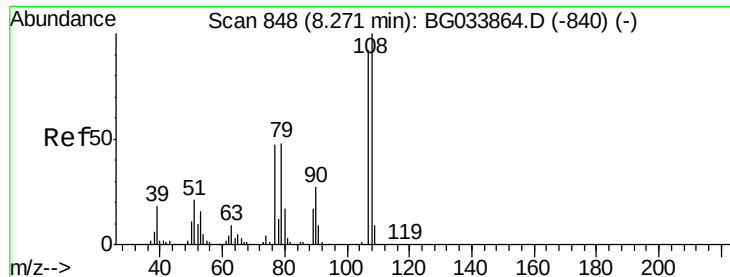
| Tot Ion   | 79    | Resp  | 151407 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 71.8  | 57.2  | 85.8   |
| 77        | 66.6  | 46.1  | 69.1   |



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.397 ng  
RT: 8.38 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

| Tgt Ion   | 45    | Resp  | 267126 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.2  | 0.0   | 30.2   |
| 79        | 8.7   | 0.0   | 27.9   |

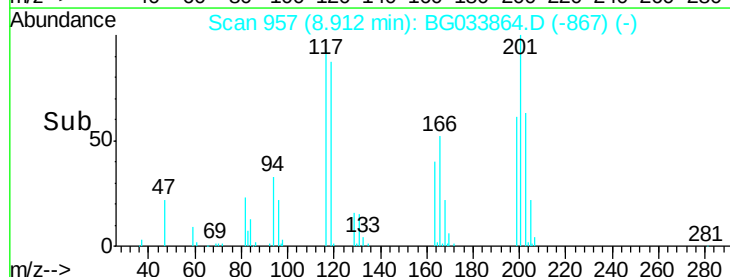
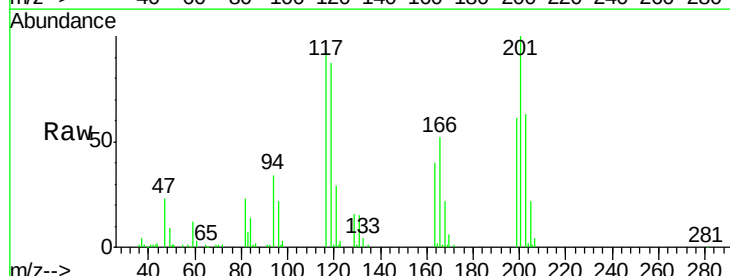
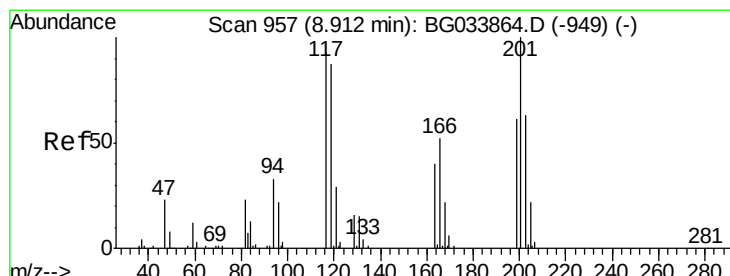
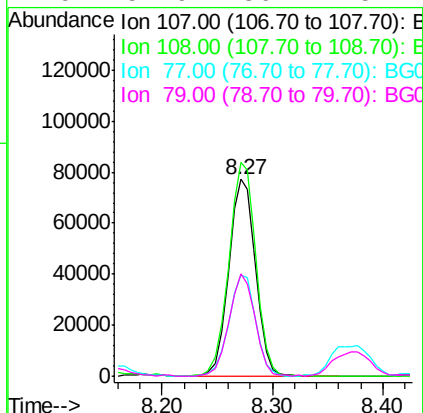




#17  
2-Methylphenol  
Concen: 46.209 ng  
RT: 8.27 min Scan# 848  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

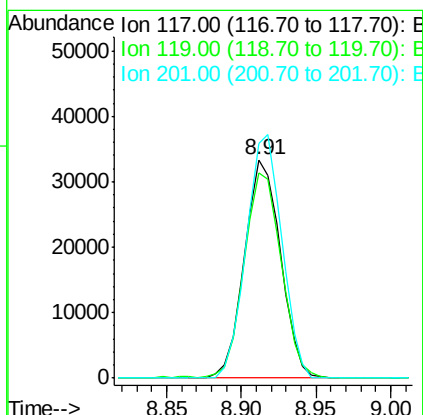
Instrument :  
BNA\_G  
ClientSampleId :

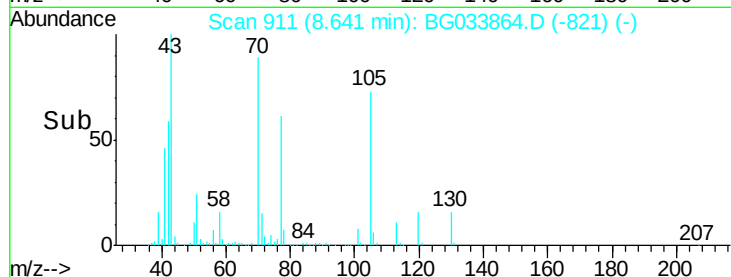
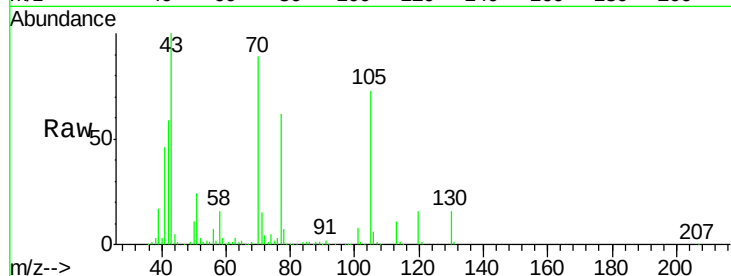
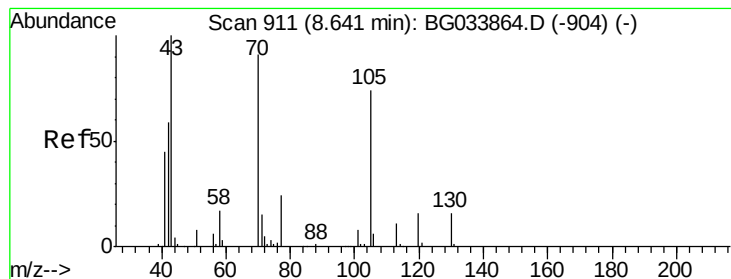
Tot Ion:107 Resp: 130574  
Ion Ratio Lower Upper  
107 100  
108 108.4 83.9 125.9  
77 51.2 37.2 55.8  
79 51.9 36.2 54.2



#18  
Hexachloroethane  
Concen: 39.395 ng  
RT: 8.91 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:117 Resp: 55650  
Ion Ratio Lower Upper  
117 100  
119 95.0 76.7 115.1  
201 107.3 95.7 143.5





#19

n-Nitroso-di-n-propylamine

Concen: 48.725 ng

RT: 8.64 min Scan# 911

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 70 Resp: 150002

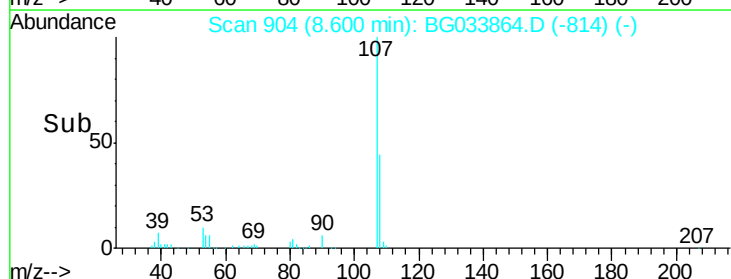
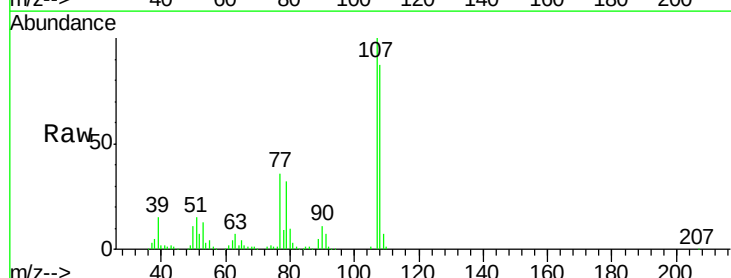
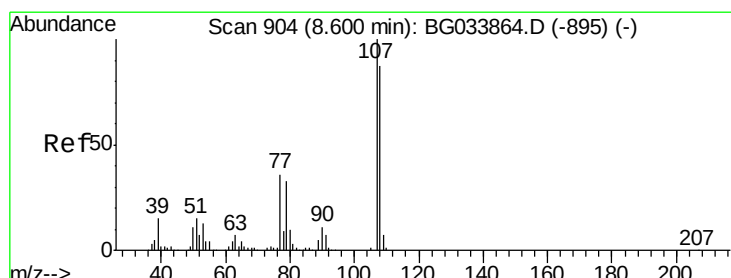
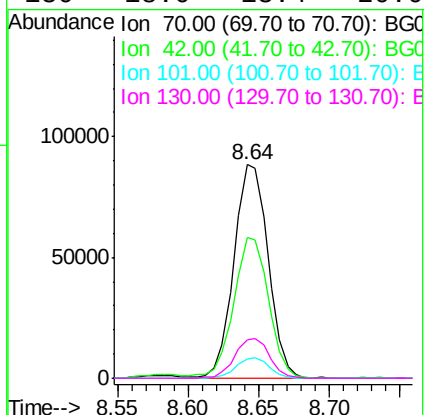
Ion Ratio Lower Upper

70 100

42 66.1 49.1 73.7

101 9.1 8.5 12.7

130 18.0 13.4 20.0



#20

3+4-Methylphenols

Concen: 47.518 ng

RT: 8.60 min Scan# 904

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Tgt Ion:107 Resp: 191180

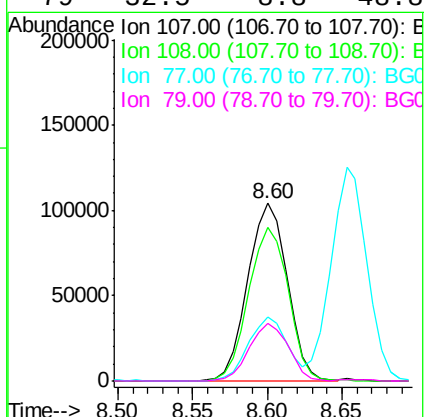
Ion Ratio Lower Upper

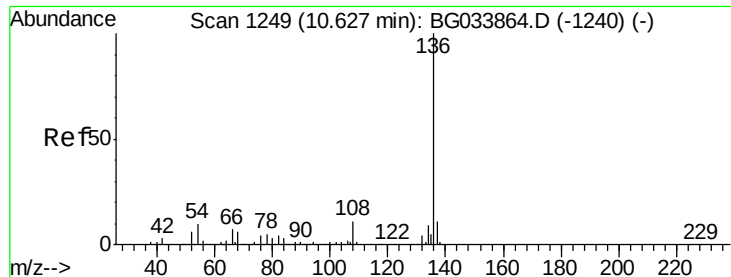
107 100

108 86.9 61.6 101.6

77 36.4 13.9 53.9

79 32.5 8.8 48.8

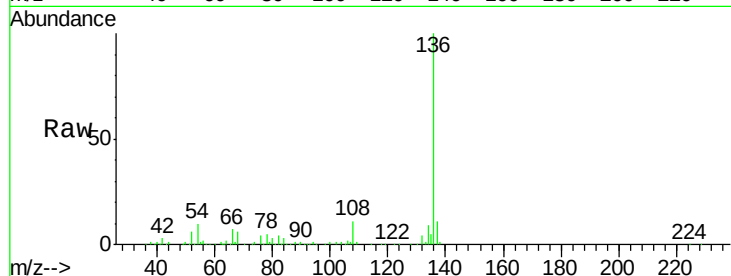




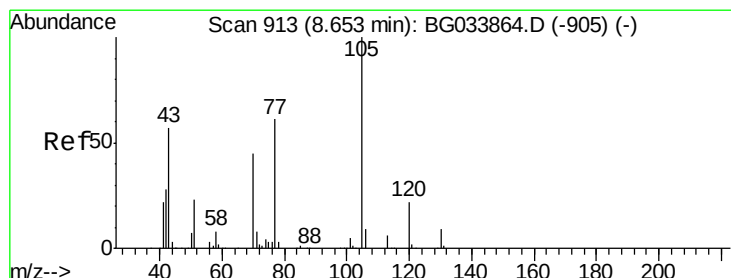
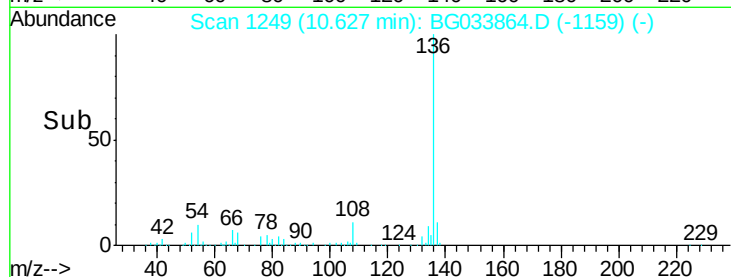
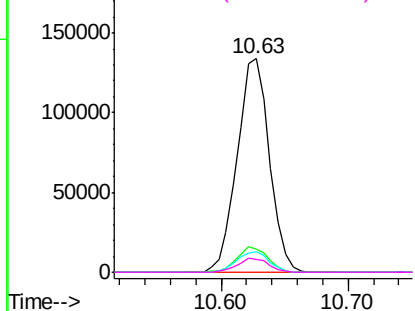
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.63 min Scan# 1249  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 235205     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.8  | 9.2 13.8   |
| 54          | 9.7   | 10.3 15.5# |
| 68          | 6.1   | 4.5 6.7    |

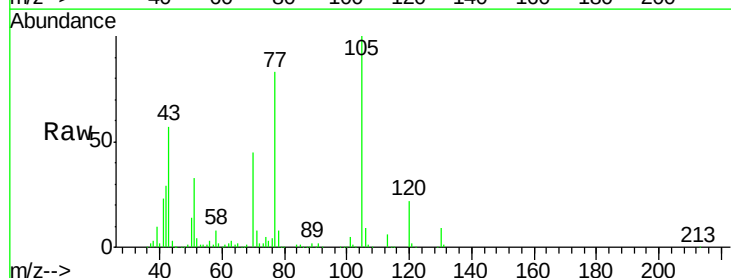


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

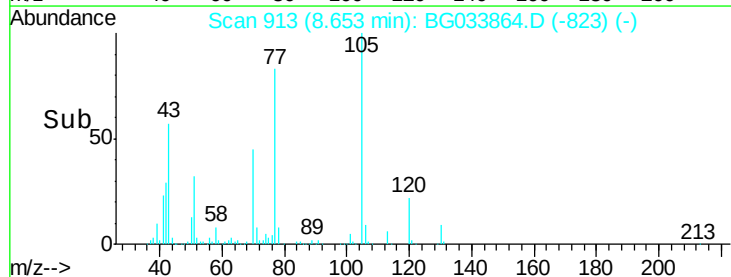
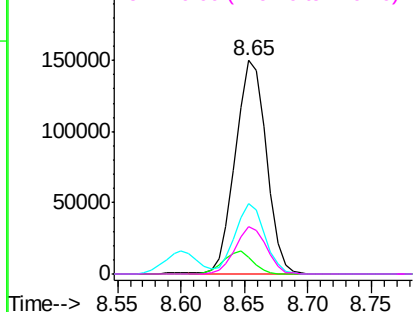


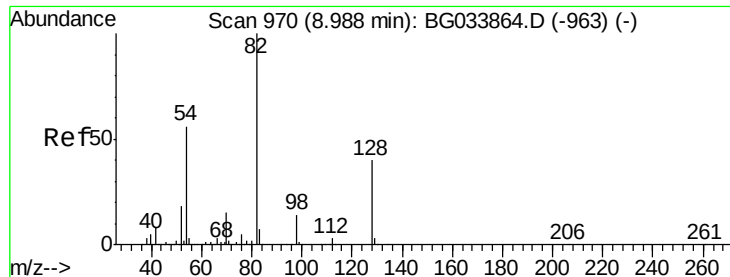
#22  
Acetophenone  
Concen: 39.612 ng  
RT: 8.65 min Scan# 913  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 255252    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 7.9   | 3.0 4.4#  |
| 51          | 32.7  | 26.1 39.1 |
| 120         | 22.0  | 17.4 26.2 |



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

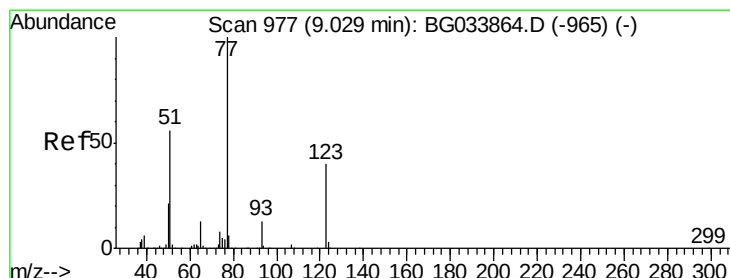
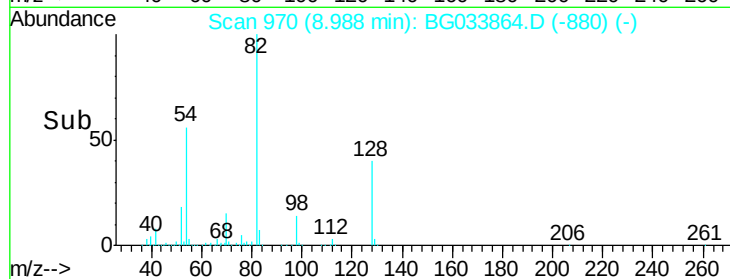
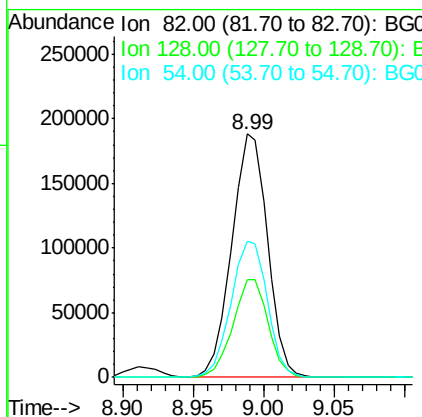
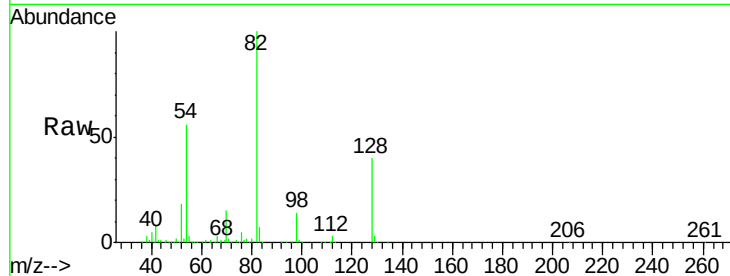




#23  
 Nitrobenzene-d5  
 Concen: 64.907 ng  
 RT: 8.99 min Scan# 970  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

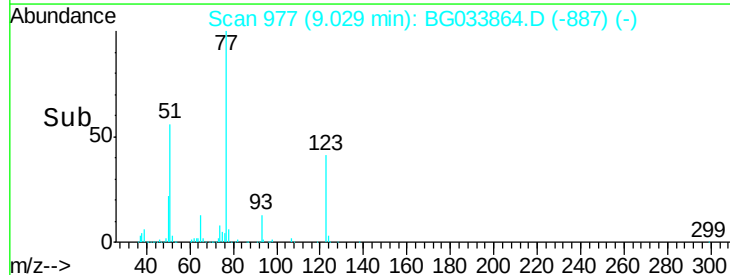
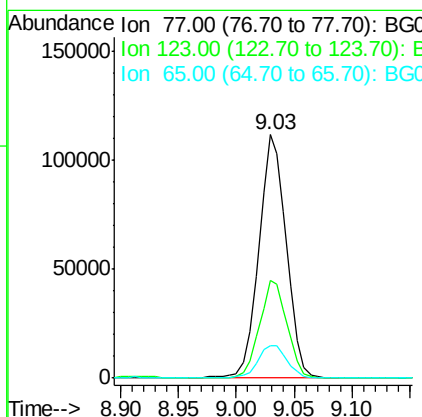
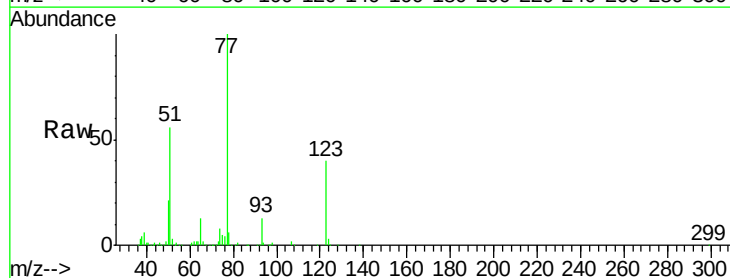
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 332283 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.3  | 29.7  | 44.5   |
| 54        | 55.8  | 43.1  | 64.7   |

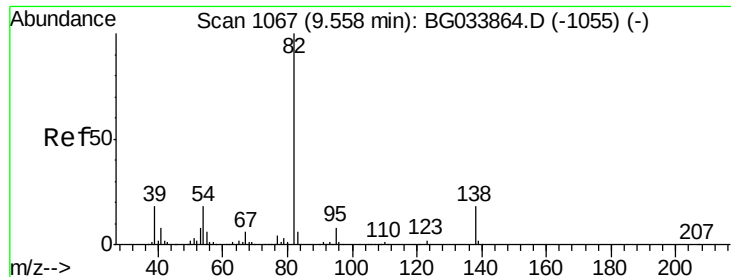


#24  
 Nitrobenzene  
 Concen: 33.774 ng  
 RT: 9.03 min Scan# 977  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion   | 77    | Resp  | 185069 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 40.3  | 33.0  | 49.6   |
| 65        | 13.5  | 13.0  | 19.6   |







#25

Isophorone

Concen: 37.742 ng

RT: 9.56 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

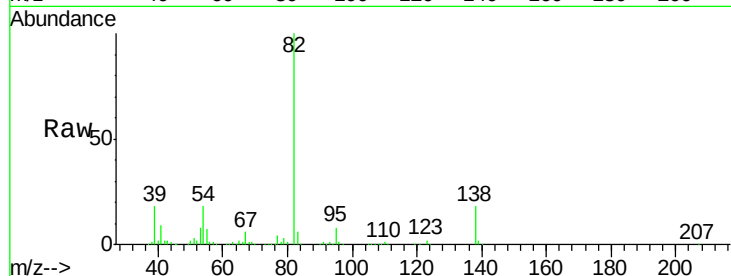
Tot Ion: 82 Resp: 374998

Ion Ratio Lower Upper

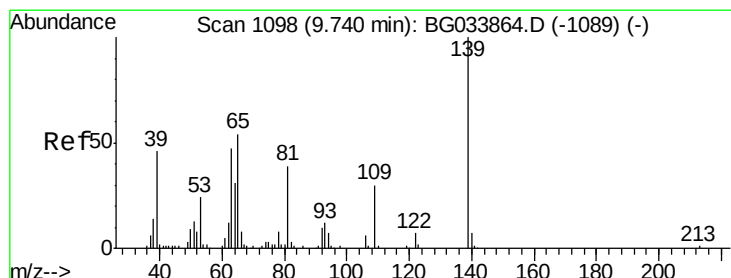
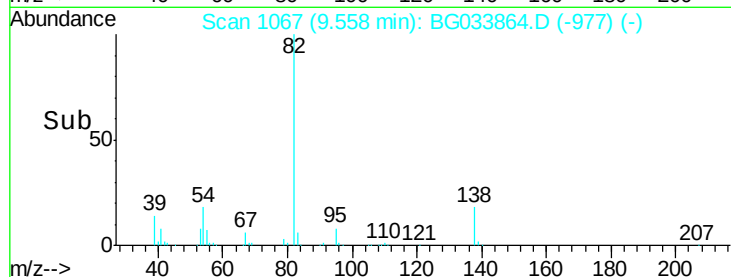
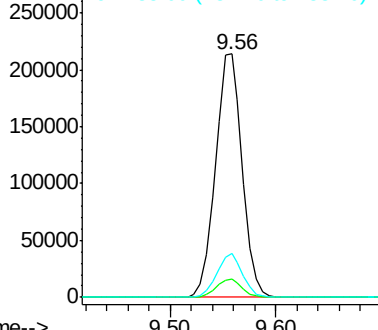
82 100

95 7.7 6.2 9.2

138 18.1 12.1 18.1



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: 34.240 ng

RT: 9.74 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

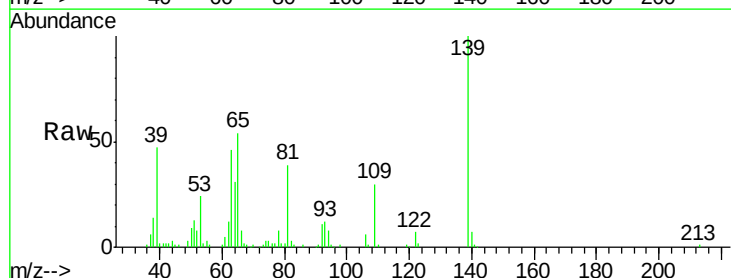
Tgt Ion: 139 Resp: 71033

Ion Ratio Lower Upper

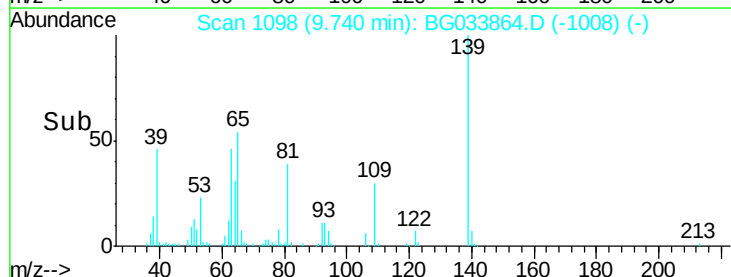
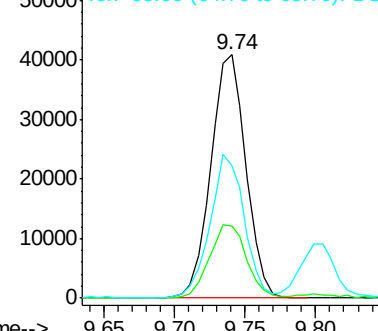
139 100

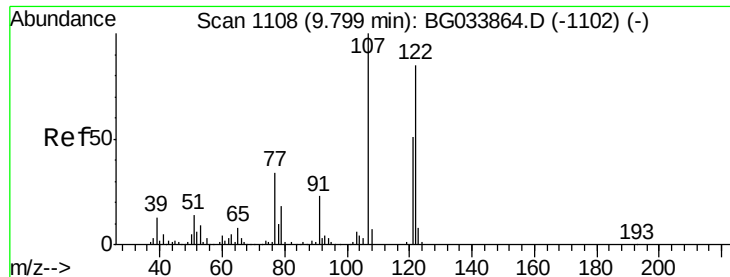
109 29.5 24.2 36.2

65 54.4 47.4 71.0



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: 45.181 ng

RT: 9.80 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

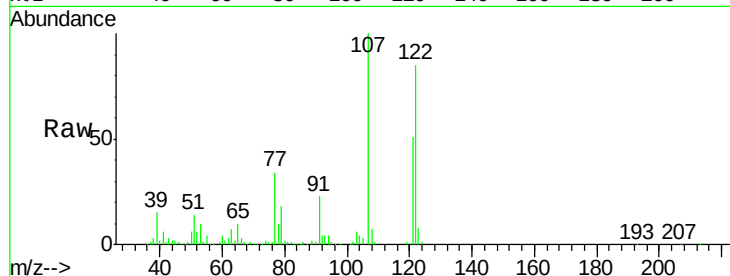
Tot Ion:122 Resp: 136163

Ion Ratio Lower Upper

122 100

107 118.1 100.2 150.2

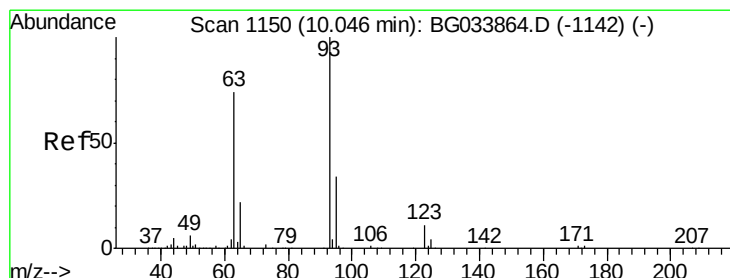
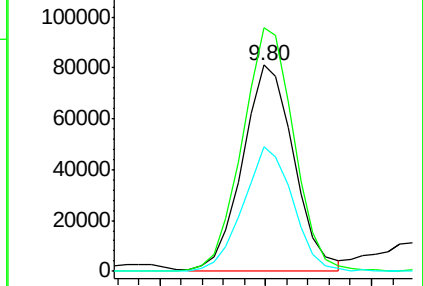
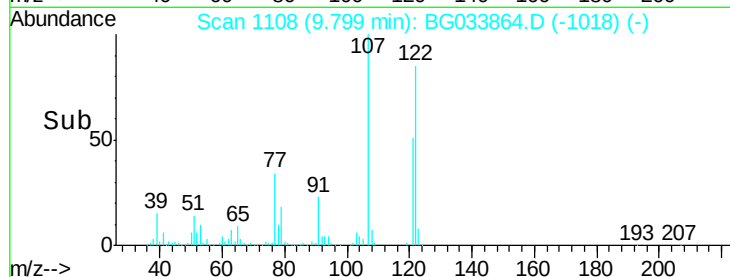
121 60.4 44.4 66.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.986 ng

RT: 10.05 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

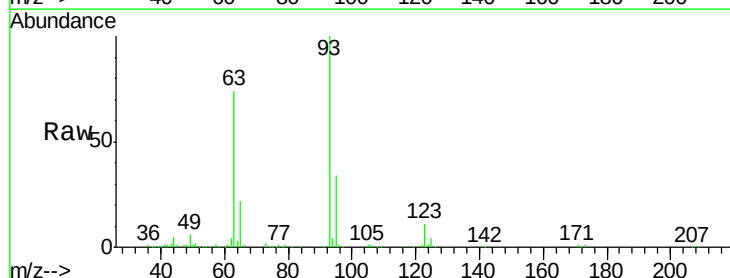
Tgt Ion: 93 Resp: 198233

Ion Ratio Lower Upper

93 100

95 33.8 24.3 36.5

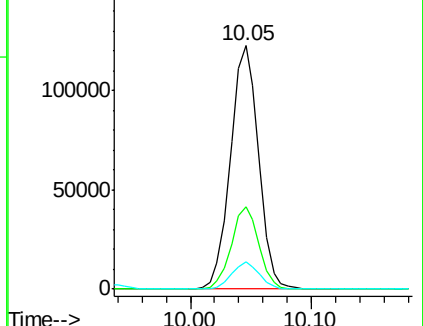
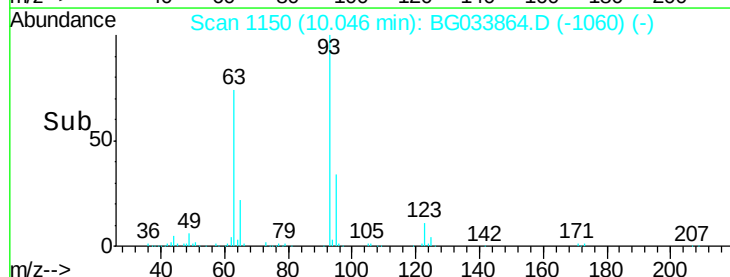
123 11.1 8.4 12.6

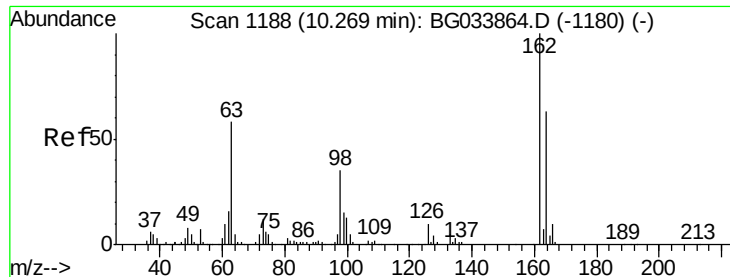


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

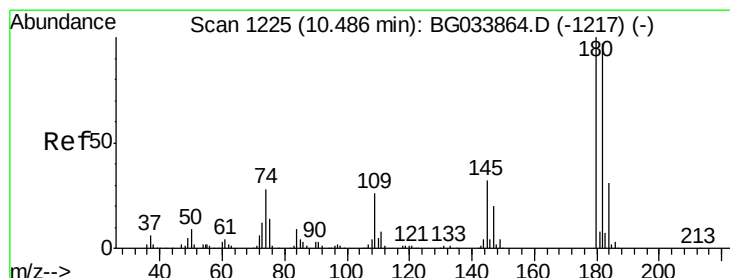
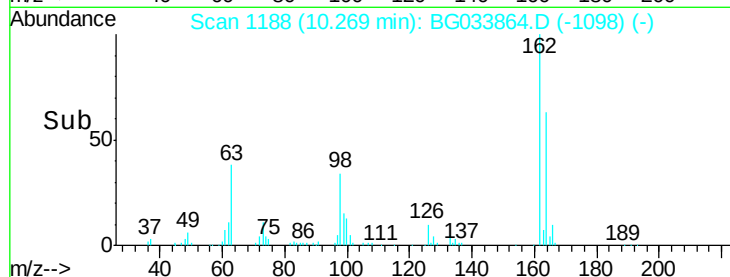
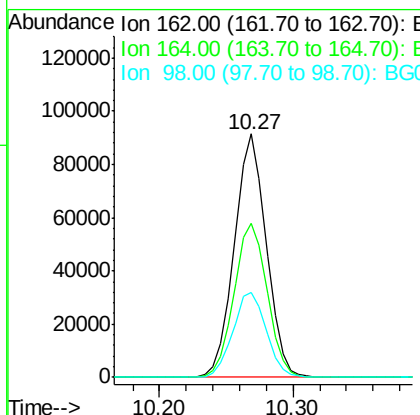
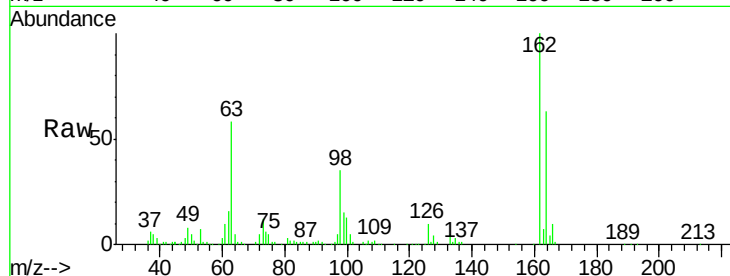




#29  
 2,4-Dichlorophenol  
 Concen: 40.963 ng  
 RT: 10.27 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

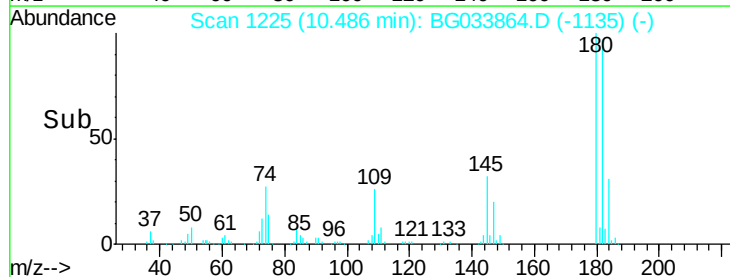
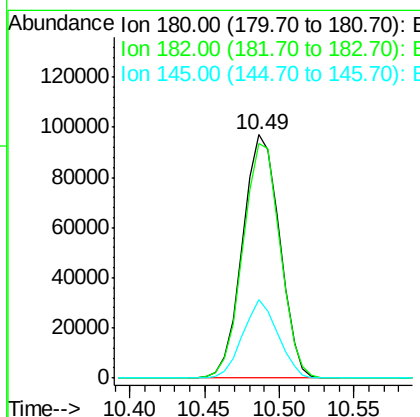
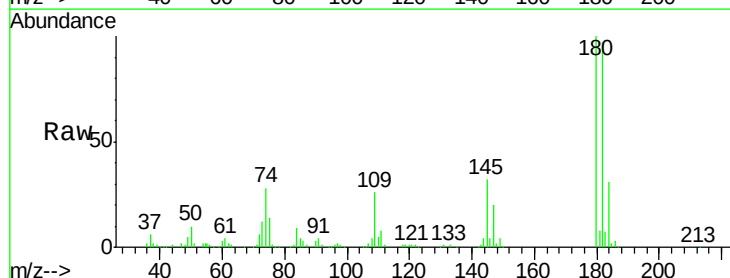
Instrument :  
 BNA\_G  
 ClientSampleId :

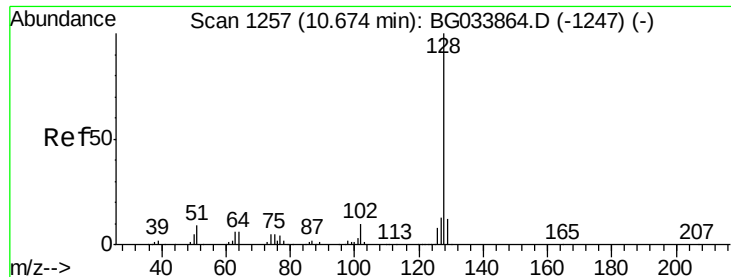
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.4  | 48.0  | 88.0  |
| 98      | 34.6  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 34.617 ng  
 RT: 10.49 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.6  | 77.5  | 116.3 |
| 145     | 32.5  | 23.4  | 35.2  |

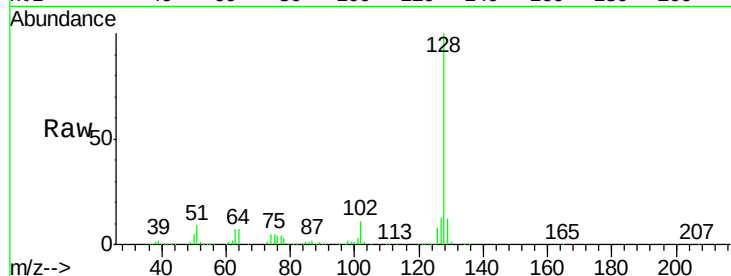




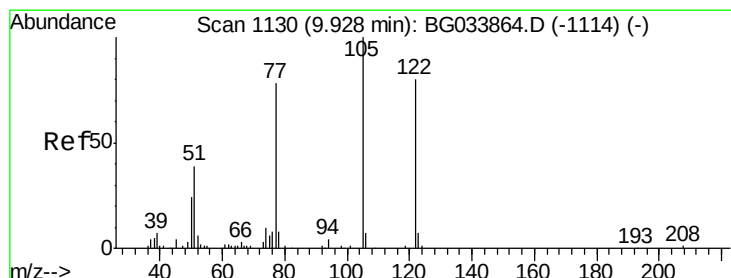
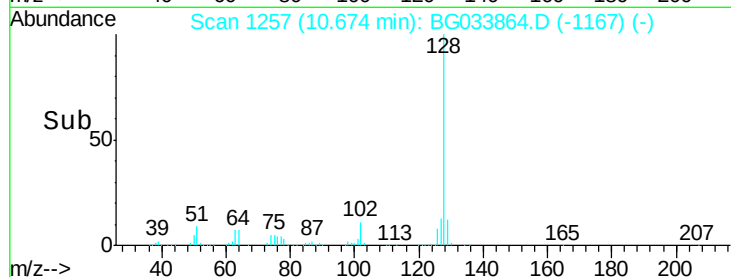
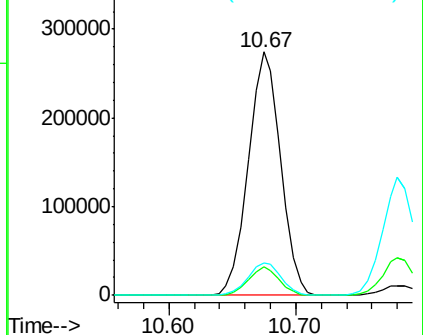
#31  
Naphthalene  
Concen: 39.807 ng  
RT: 10.67 min Scan# 1257  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.7  | 8.6   | 12.8  |
| 127     | 13.3  | 11.6  | 17.4  |

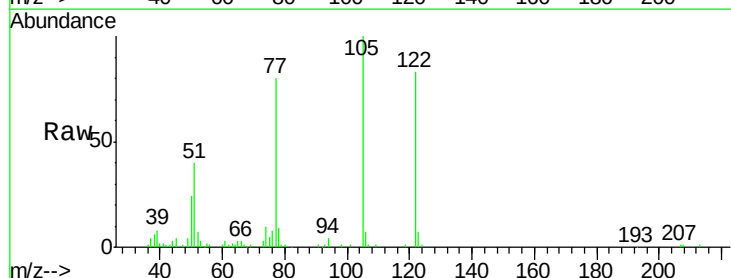


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

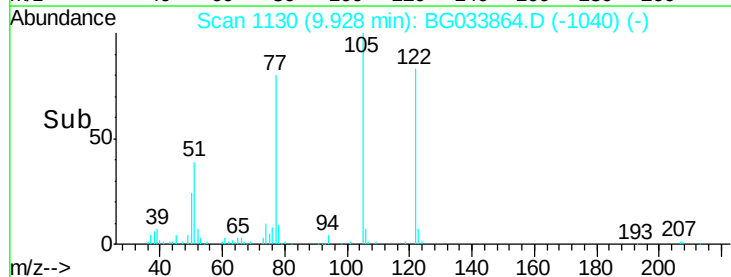
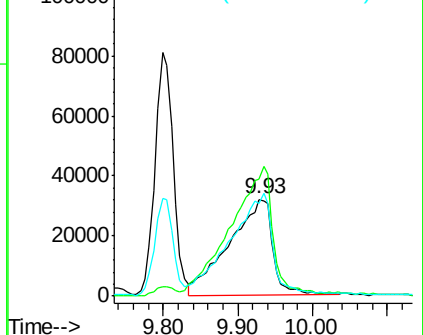


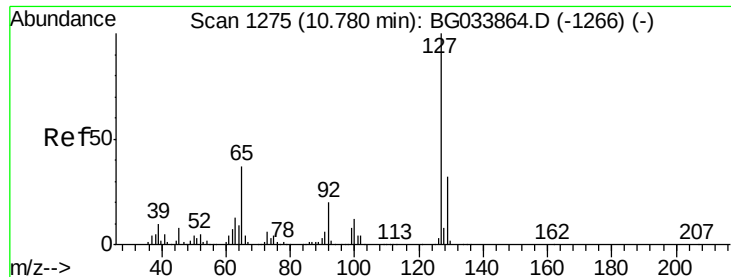
#32  
Benzoic acid  
Concen: 45.638 ng  
RT: 9.93 min Scan# 1130  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 121.0 | 123.5 | 163.5# |
| 77      | 96.3  | 85.7  | 125.7  |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

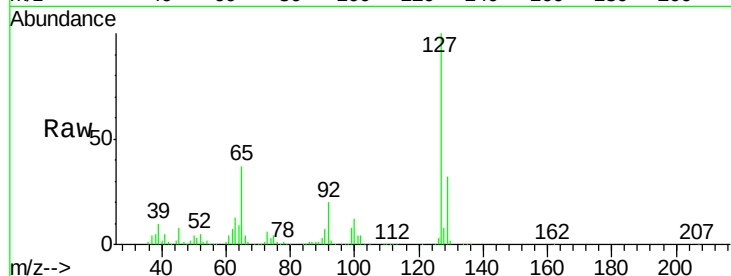




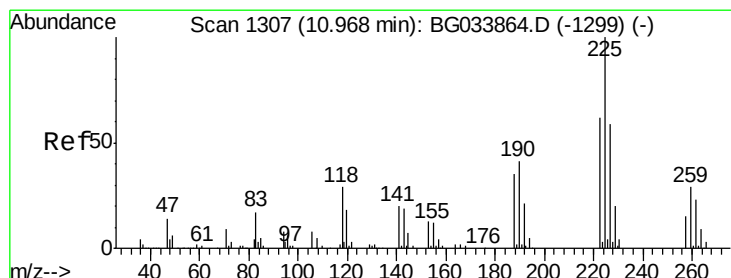
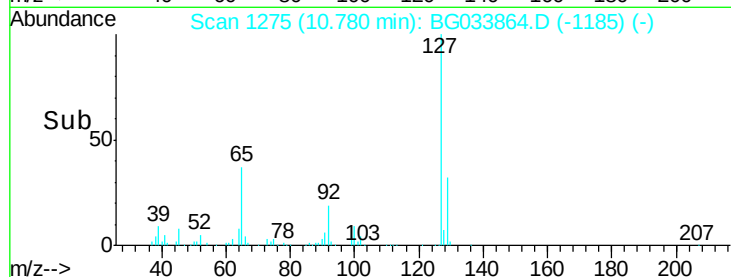
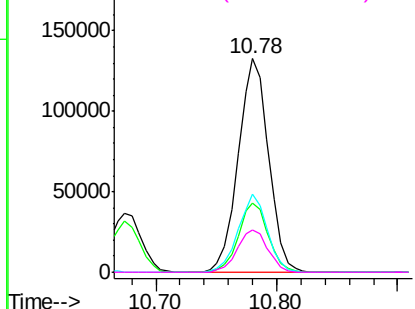
#33  
4-Chloroaniline  
Concen: 42.529 ng  
RT: 10.78 min Scan# 1275  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 232235 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 24.0  | 36.0   |
| 65       | 36.7  | 27.0  | 40.4   |
| 92       | 19.5  | 16.6  | 25.0   |

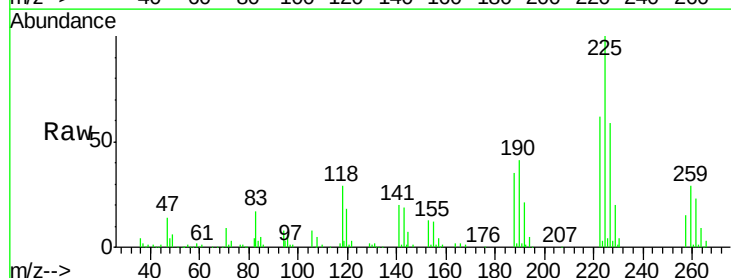


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

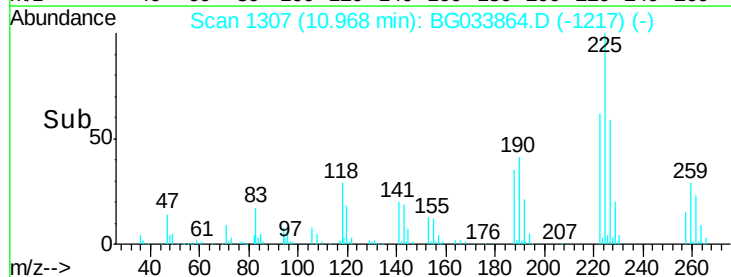
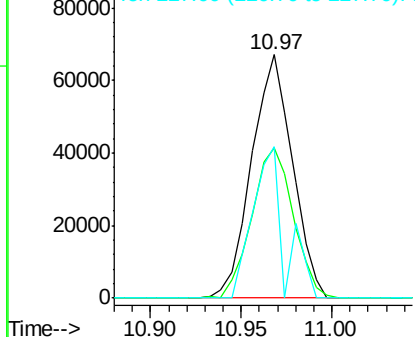


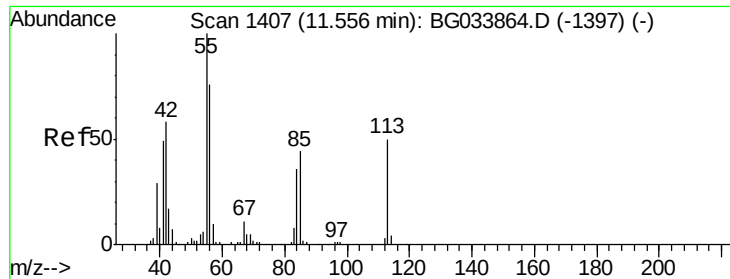
#34  
Hexachlorobutadiene  
Concen: 28.891 ng  
RT: 10.97 min Scan# 1307  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 105205 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.2  | 49.7  | 74.5   |
| 227      | 59.5  | 48.1  | 72.1   |



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: 43.468 ng

RT: 11.56 min Scan# 1407

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampled :

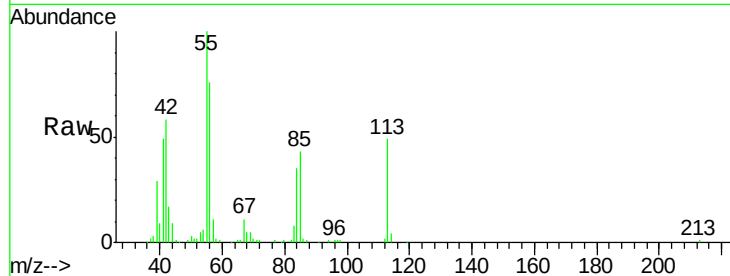
Tot Ion:113 Resp: 63115

Ion Ratio Lower Upper

113 100

55 202.4 186.9 226.9

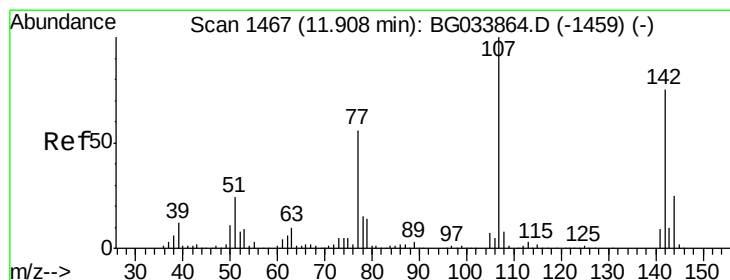
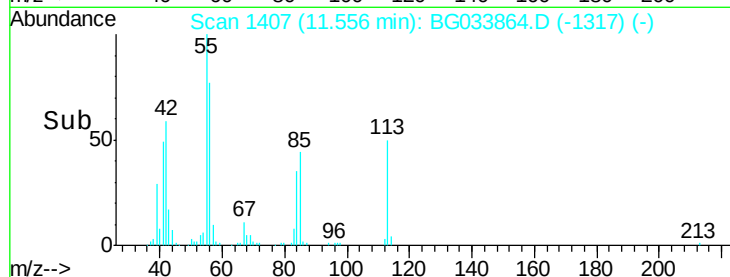
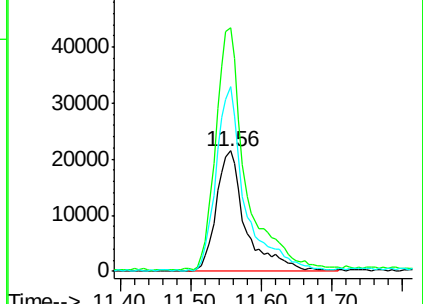
56 153.9 130.9 170.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 37.727 ng

RT: 11.91 min Scan# 1467

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

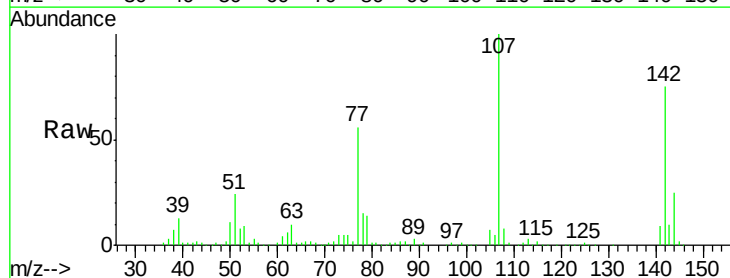
Tgt Ion:107 Resp: 182369

Ion Ratio Lower Upper

107 100

144 25.0 18.2 27.4

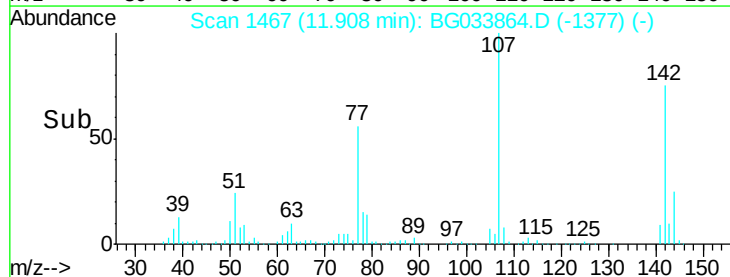
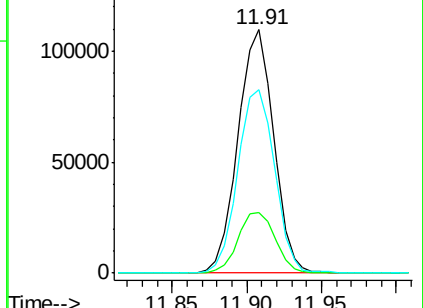
142 75.4 59.0 88.4

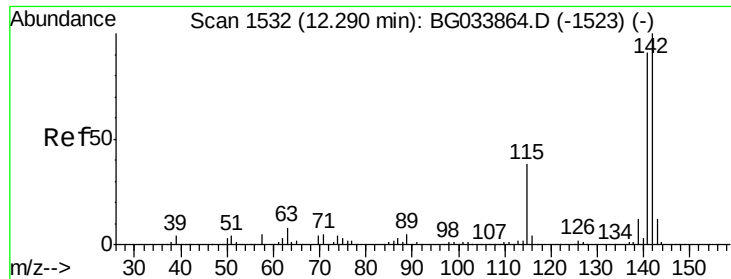


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

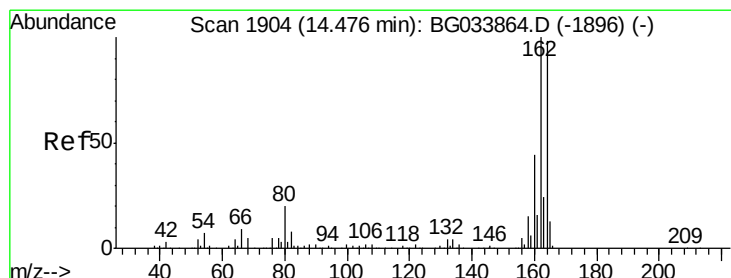
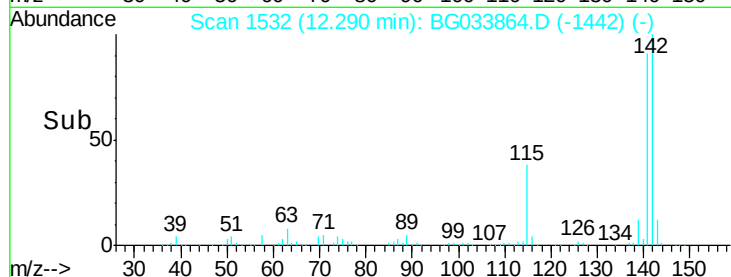
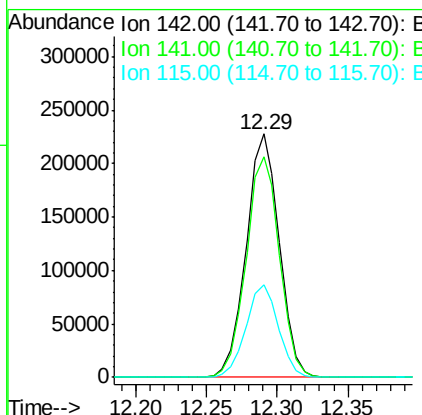
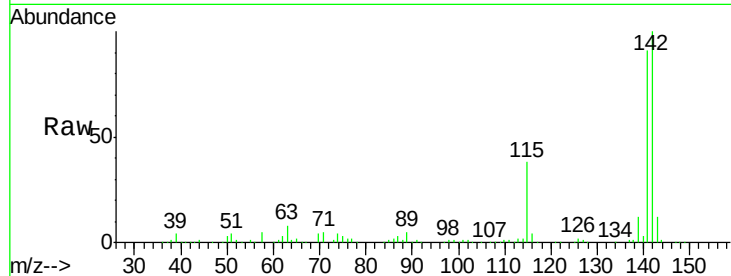




#37  
 2-Methylnaphthalene  
 Concen: 39.434 ng  
 RT: 12.29 min Scan# 1532  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

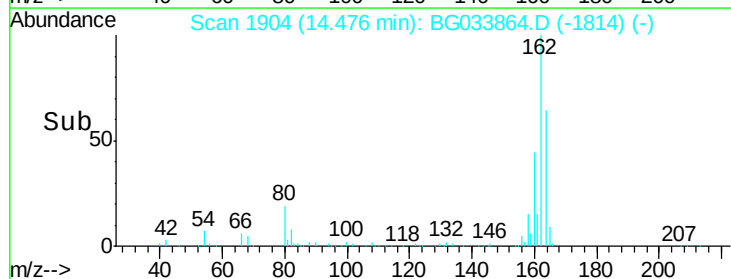
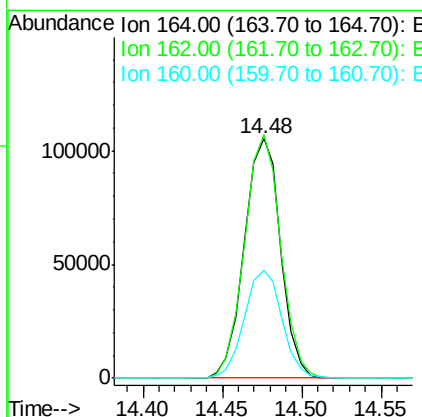
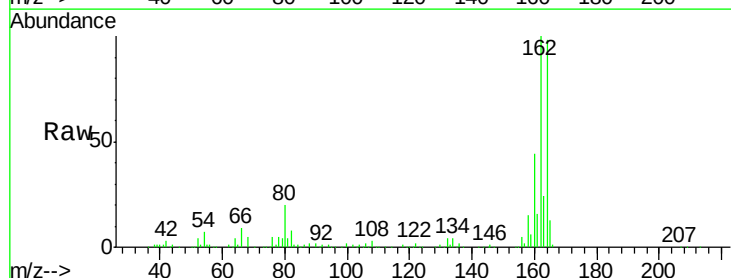
Instrument :  
 BNA\_G  
 ClientSampleId :

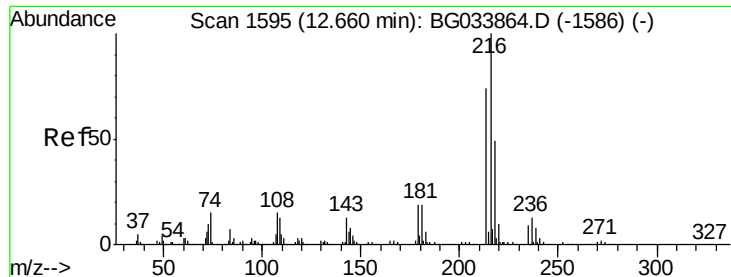
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.8  | 67.1  | 100.7 |
| 115     | 38.2  | 30.7  | 46.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.48 min Scan# 1904  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 78.8  | 118.2 |
| 160     | 45.0  | 35.4  | 53.0  |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.119 ng

RT: 12.66 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:216 Resp: 218033

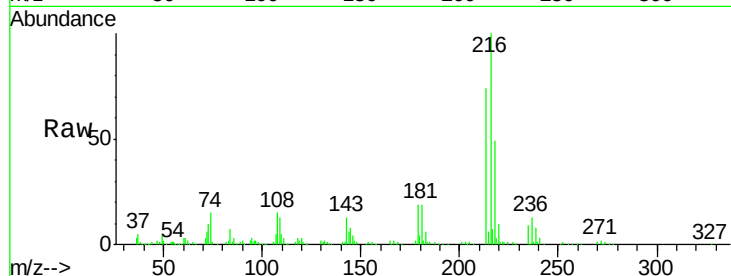
Ion Ratio Lower Upper

216 100

214 76.5 63.0 94.4

179 19.9 17.0 25.6

108 16.5 12.8 19.2

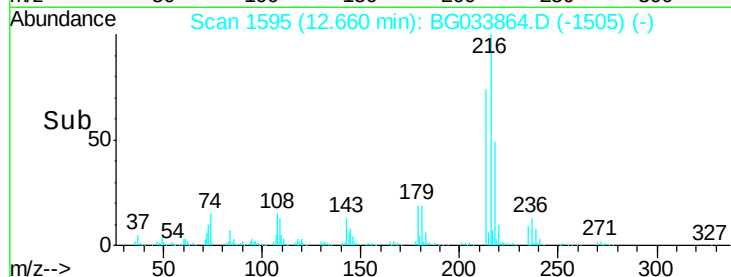


Abundance Ion 216.00 (215.70 to 216.70): E

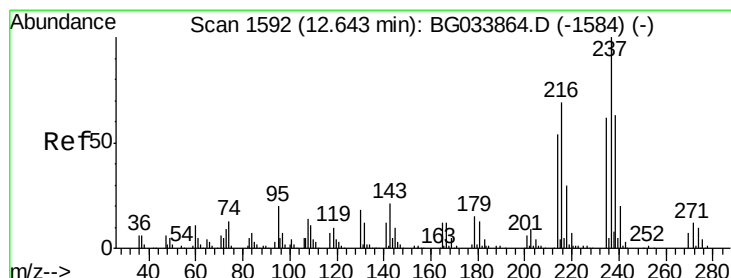
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 34.955 ng

RT: 12.64 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

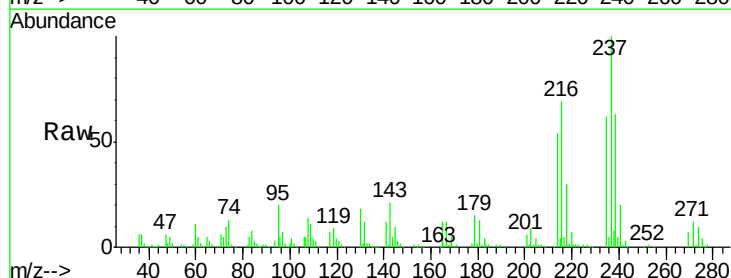
Tgt Ion:237 Resp: 123698

Ion Ratio Lower Upper

237 100

235 66.7 50.4 90.4

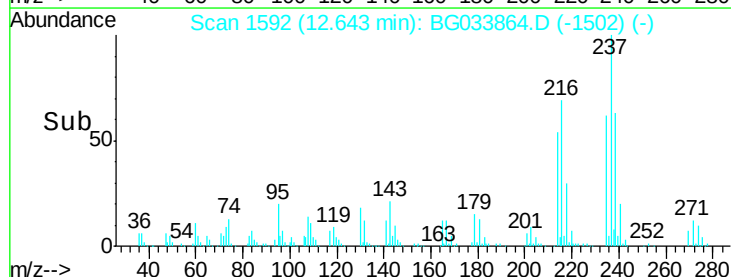
272 12.3 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E

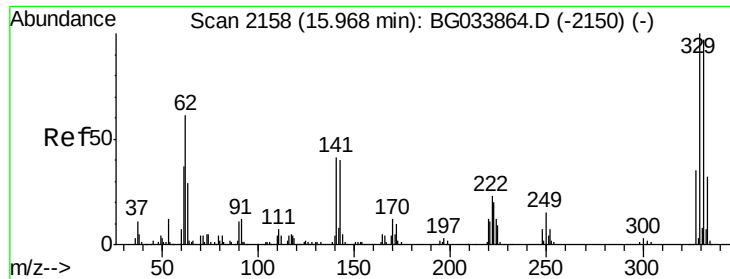
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

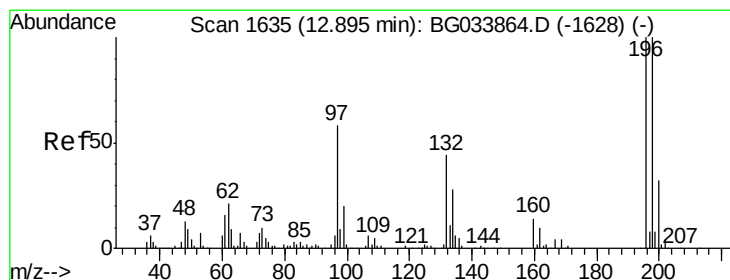
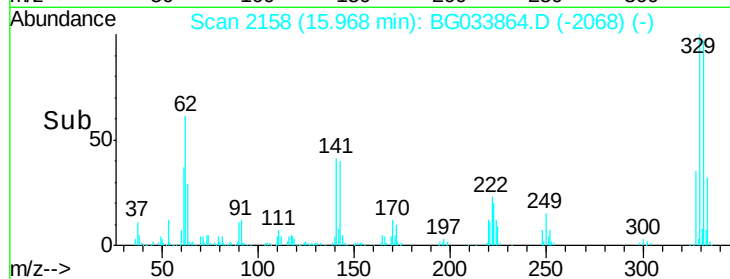
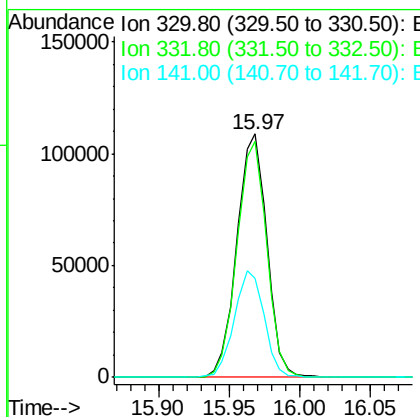
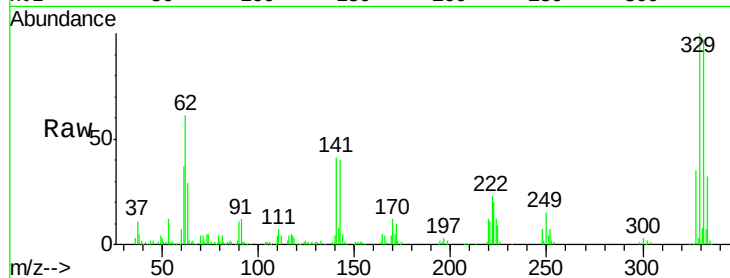




#41  
 2,4,6-Tribromophenol  
 Concen: 64.884 ng  
 RT: 15.97 min Scan# 2158  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

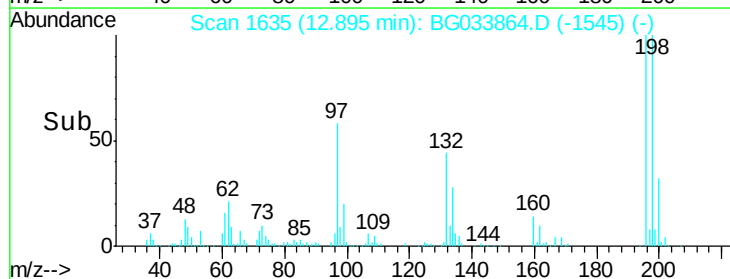
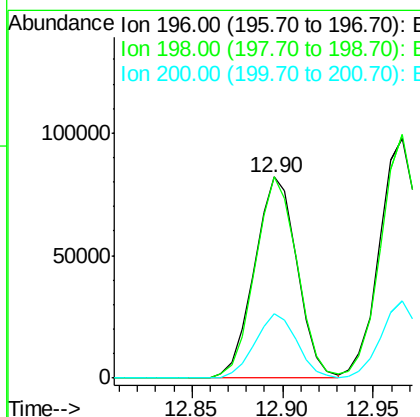
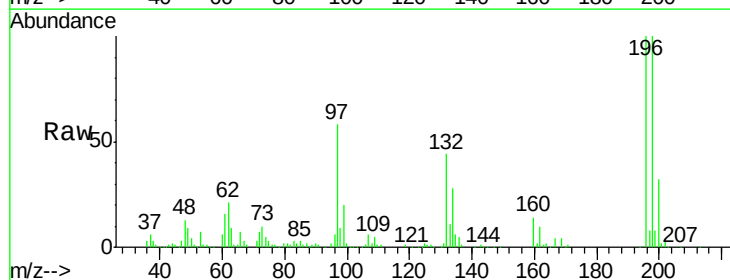
Instrument :  
 BNA\_G  
 ClientSampleId :

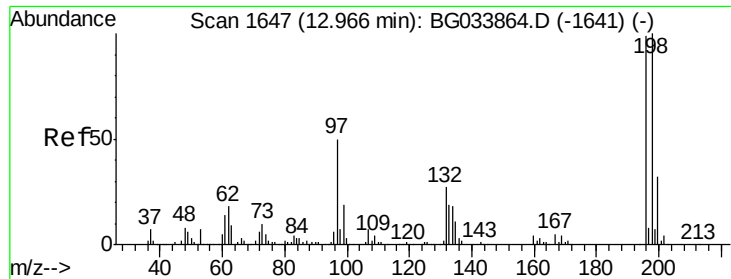
Tot Ion:330 Resp: 161719  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 43.5 25.2 37.8#



#42  
 2,4,6-Trichlorophenol  
 Concen: 38.283 ng  
 RT: 12.90 min Scan# 1635  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:196 Resp: 134268  
 Ion Ratio Lower Upper  
 196 100  
 198 100.0 78.2 117.2  
 200 31.9 24.6 36.8

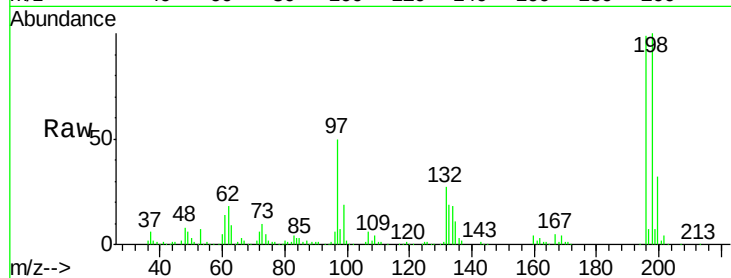




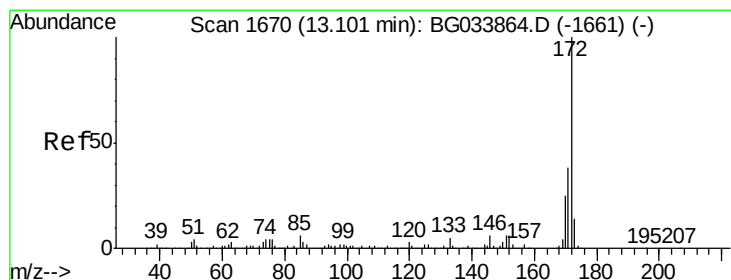
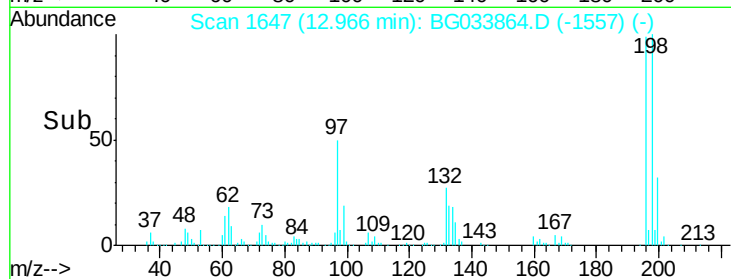
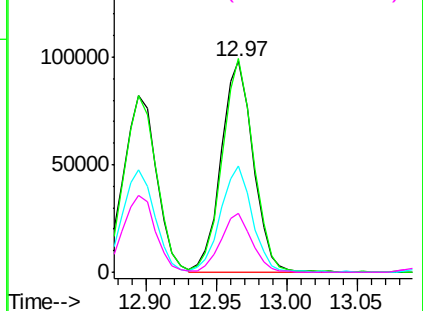
#43  
 2,4,5-Trichlorophenol  
 Concen: 37.369 ng  
 RT: 12.97 min Scan# 1647  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 154914  
 Ion Ratio Lower Upper  
 196 100  
 198 101.3 76.2 114.4  
 97 50.2 38.7 58.1  
 132 27.8 20.2 30.2

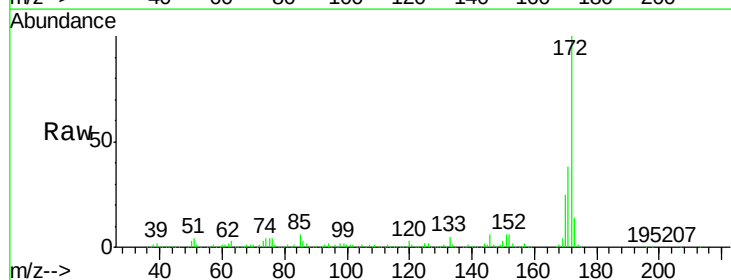


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

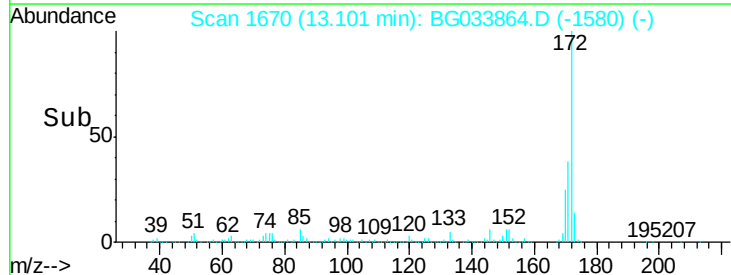
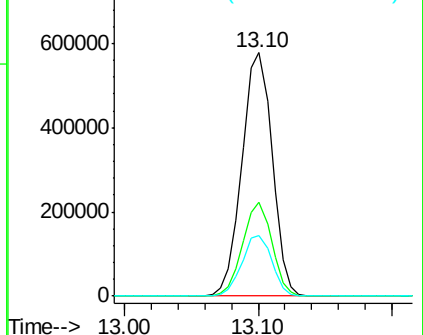


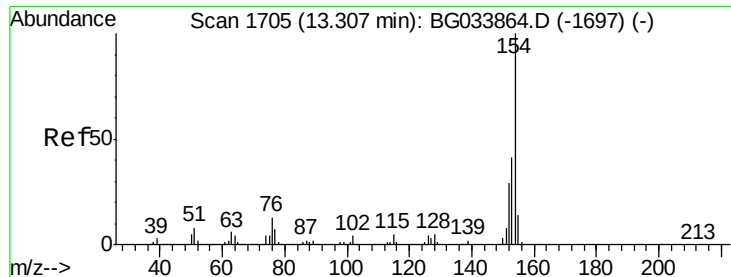
#44  
 2-Fluorobiphenyl  
 Concen: 78.128 ng  
 RT: 13.10 min Scan# 1670  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:172 Resp: 901892  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 30.0 45.0  
 170 24.9 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

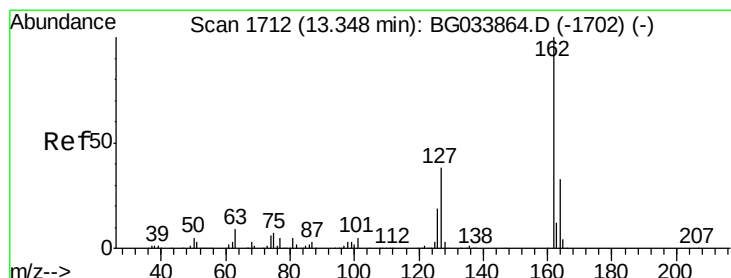
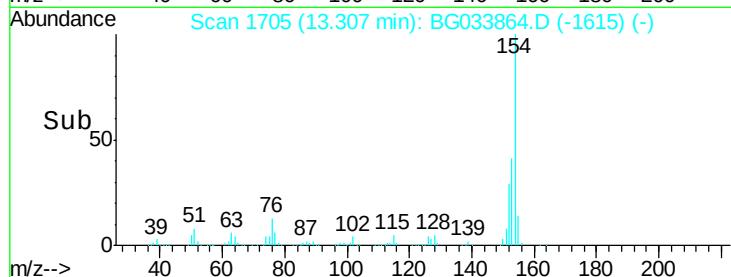
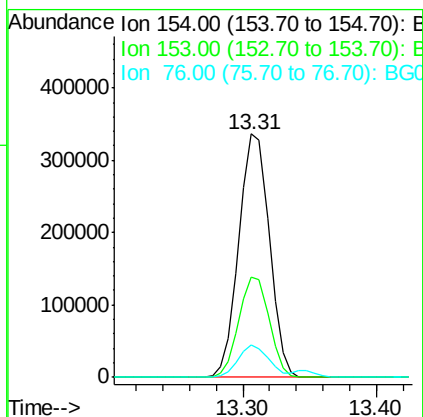
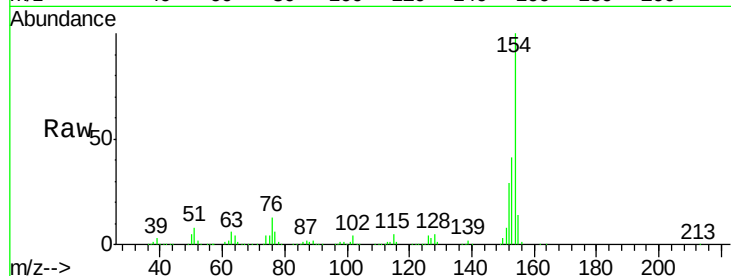




#45  
 1,1'-Biphenyl  
 Concen: 41.665 ng  
 RT: 13.31 min Scan# 1705  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

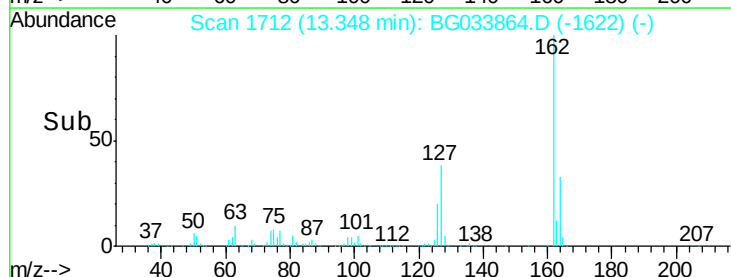
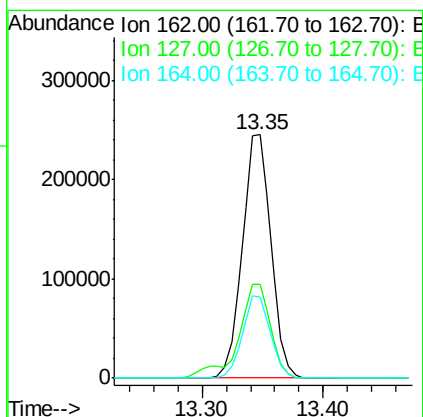
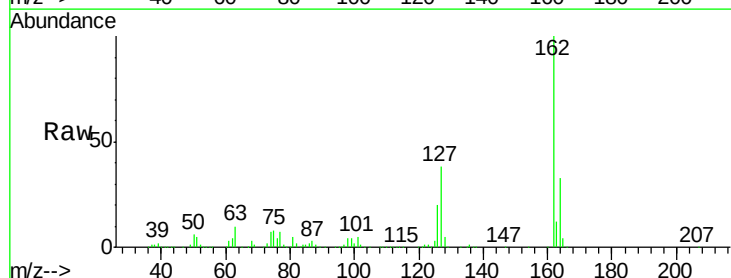
Instrument :  
 BNA\_G  
 ClientSampleId :

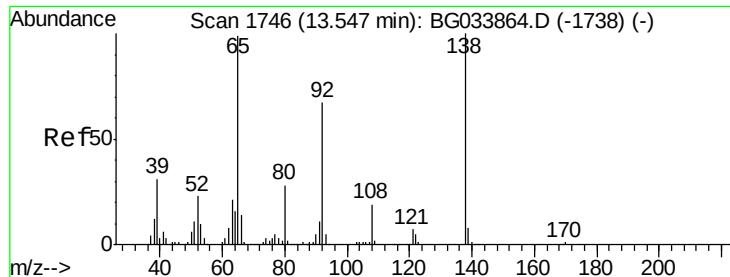
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.1  | 19.8  | 59.8  |
| 76      | 13.4  | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 40.922 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.5  | 30.7  | 46.1  |
| 164     | 33.3  | 26.0  | 39.0  |

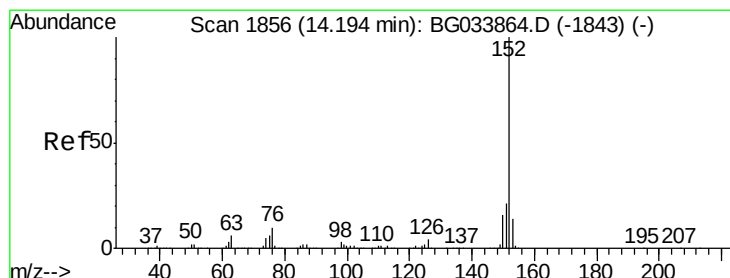
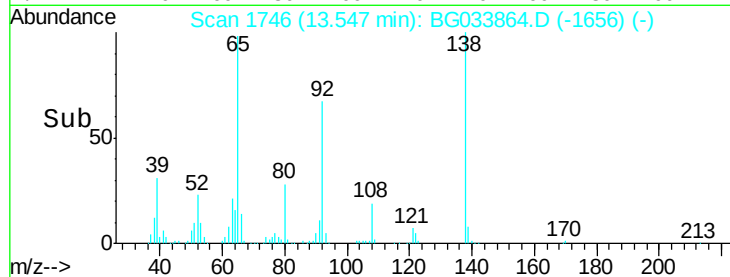
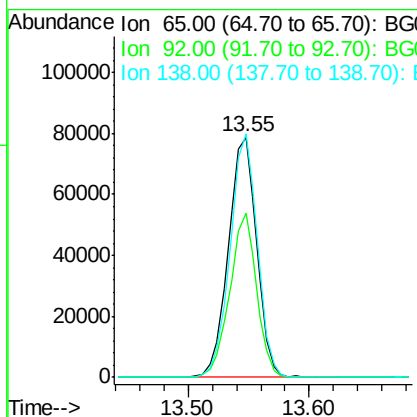
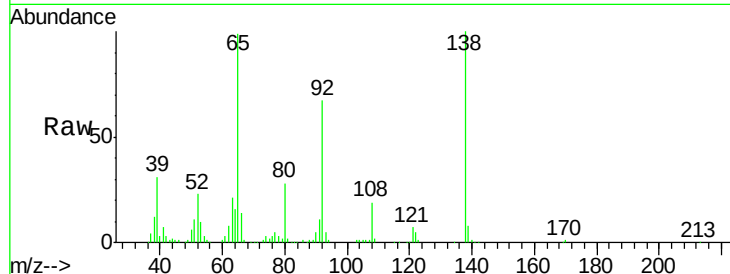




#47  
2-Nitroaniline  
Concen: 34.691 ng  
RT: 13.55 min Scan# 1746  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

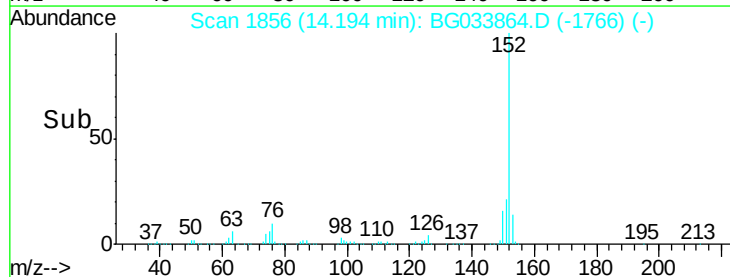
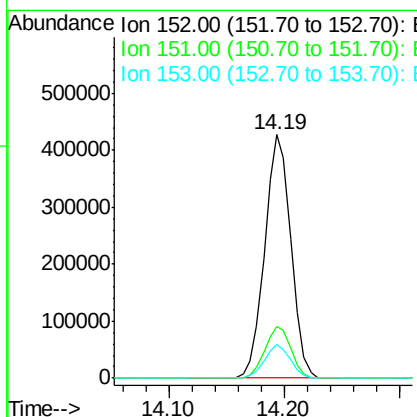
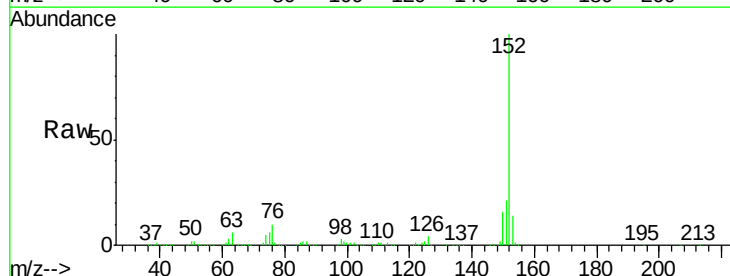
Instrument :  
BNA\_G  
ClientSampleId :

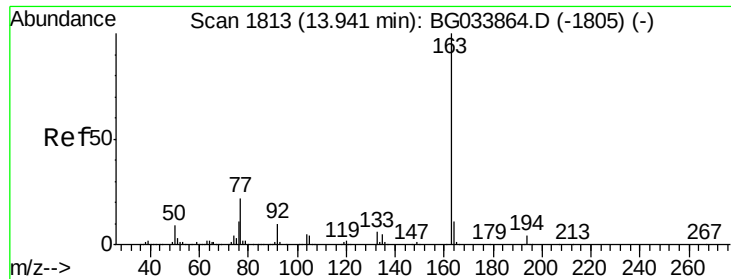
Tot Ion: 65 Resp: 128274  
Ion Ratio Lower Upper  
65 100  
92 68.2 54.6 82.0  
138 101.5 72.9 109.3



#48  
Acenaphthylene  
Concen: 40.997 ng  
RT: 14.19 min Scan# 1856  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion: 152 Resp: 675568  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.2 25.8  
153 13.6 10.2 15.4





#49

Dimethylphthalate

Concen: 39.997 ng

RT: 13.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

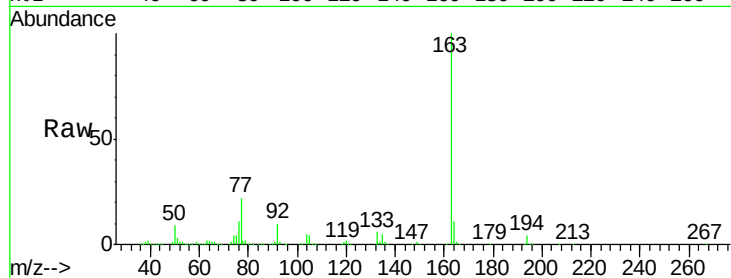
Tot Ion:163 Resp: 580083

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

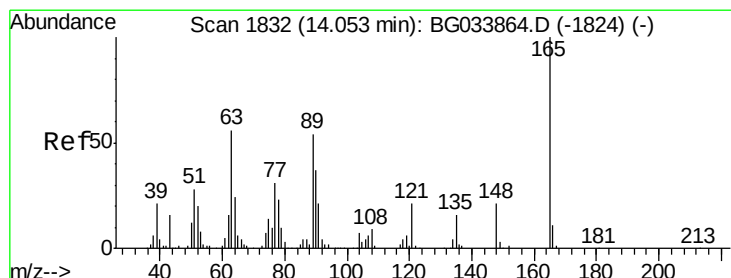
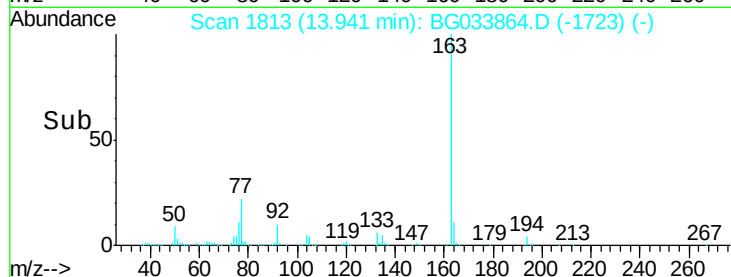
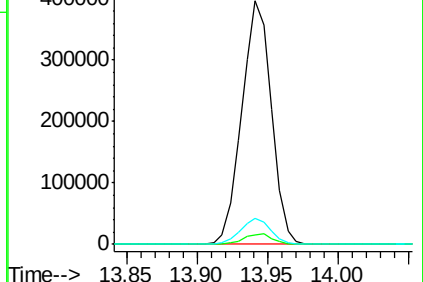
164 10.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 38.018 ng

RT: 14.05 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

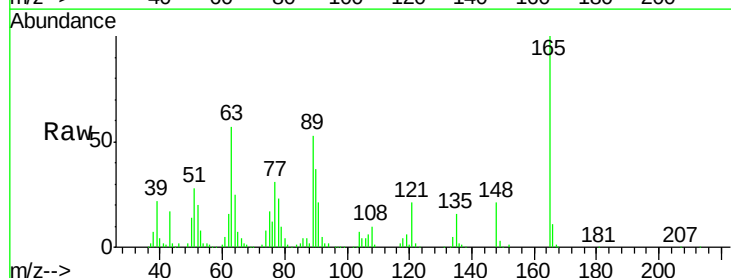
Tgt Ion:165 Resp: 112741

Ion Ratio Lower Upper

165 100

63 56.7 52.7 79.1

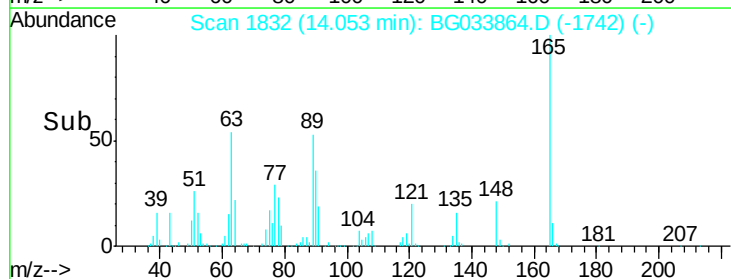
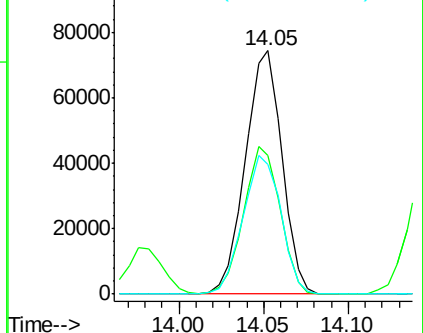
89 53.5 49.2 73.8

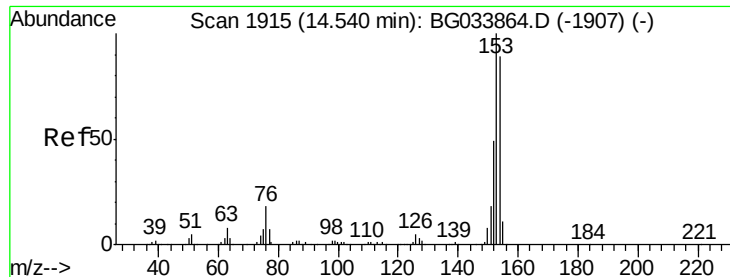


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 40.879 ng

RT: 14.54 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

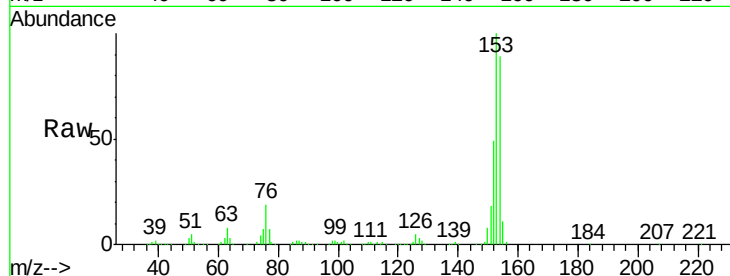
Tot Ion:154 Resp: 434237

Ion Ratio Lower Upper

154 100

153 112.7 90.4 135.6

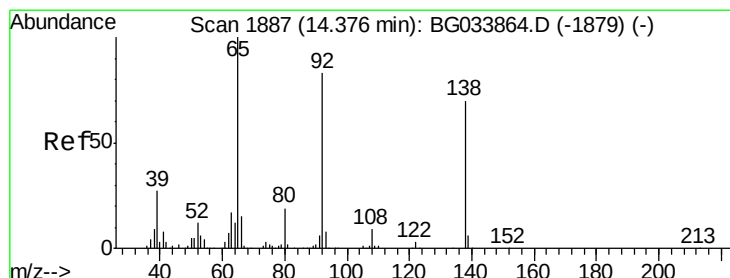
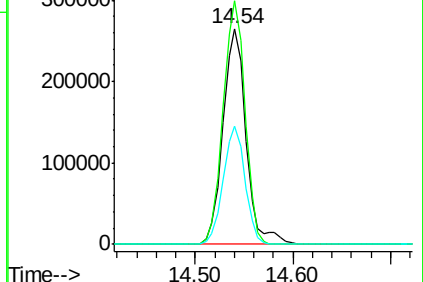
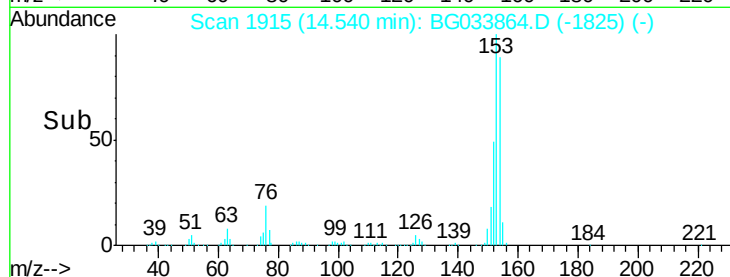
152 55.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.945 ng

RT: 14.38 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

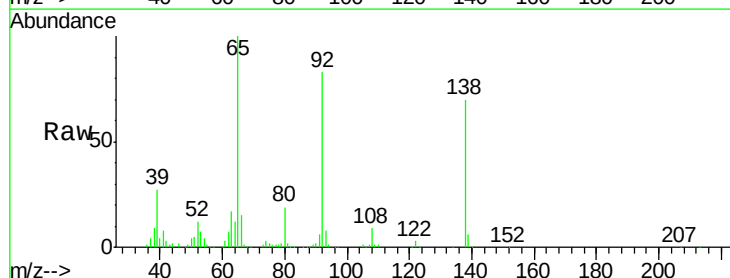
Tgt Ion:138 Resp: 127298

Ion Ratio Lower Upper

138 100

108 12.8 17.5 26.3#

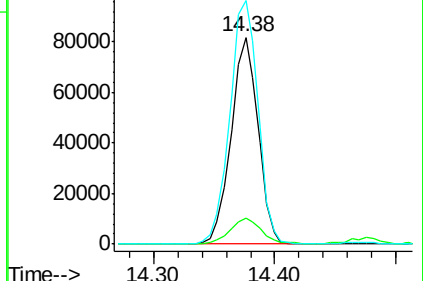
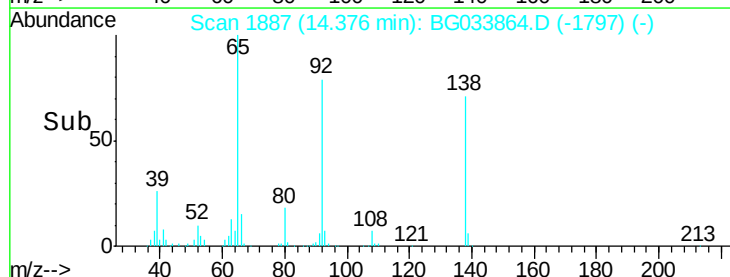
92 117.8 105.8 158.8

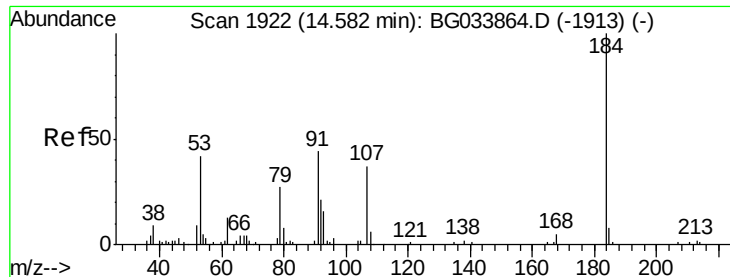


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

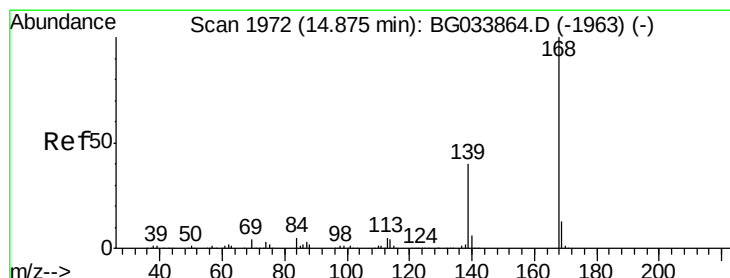
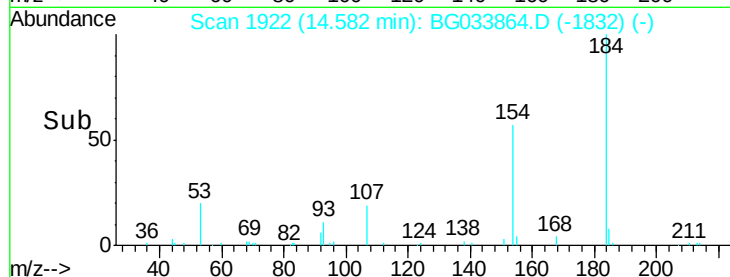
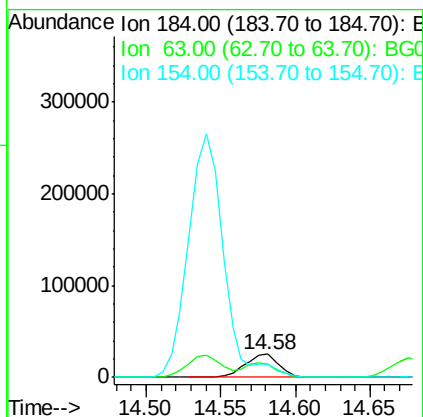
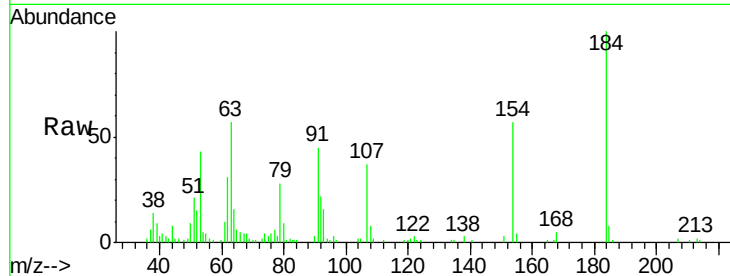




#53  
 2,4-Dinitrophenol  
 Concen: 31.544 ng  
 RT: 14.58 min Scan# 1922  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

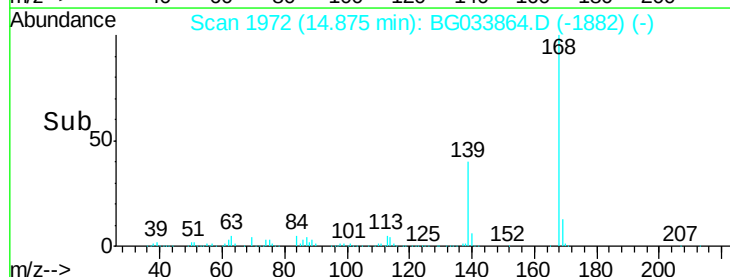
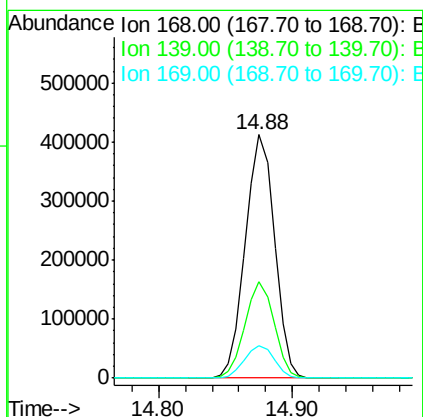
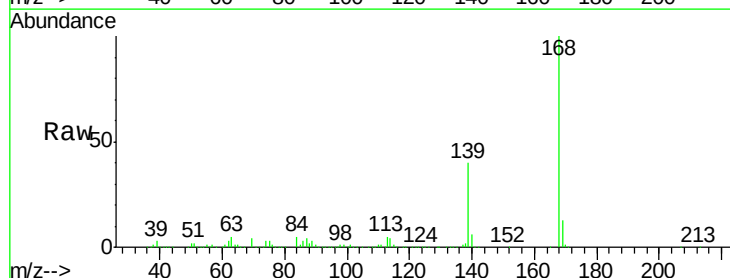
Instrument :  
 BNA\_G  
 ClientSampleId :

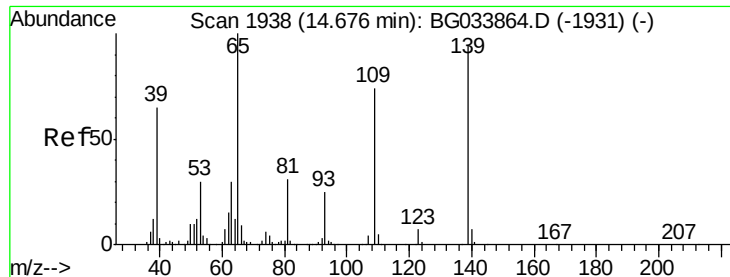
Tot Ion:184 Resp: 39079  
 Ion Ratio Lower Upper  
 184 100  
 63 57.2 59.8 89.8#  
 154 57.4 101.8 152.8#



#54  
 Dibenzofuran  
 Concen: 39.791 ng  
 RT: 14.88 min Scan# 1972  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:168 Resp: 624348  
 Ion Ratio Lower Upper  
 168 100  
 139 39.8 28.6 43.0  
 169 13.2 11.2 16.8

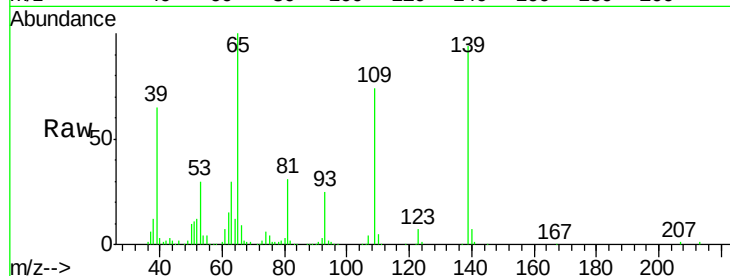




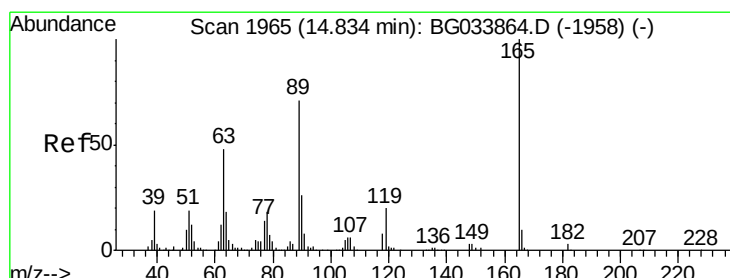
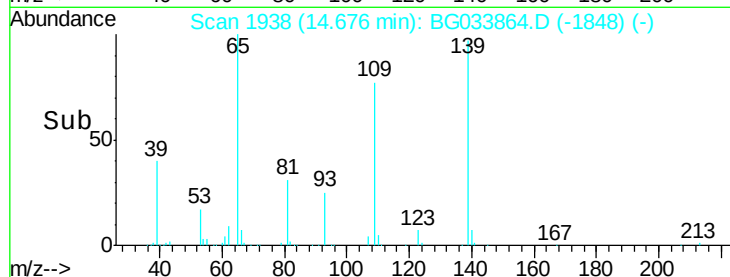
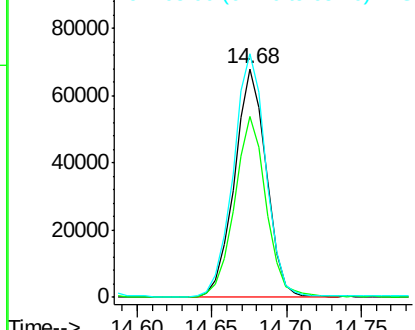
#55  
4-Nitrophenol  
Concen: 46.070 ng  
RT: 14.68 min Scan# 1938  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 100717  
Ion Ratio Lower Upper  
139 100  
109 79.2 62.2 102.2  
65 106.6 97.2 137.2

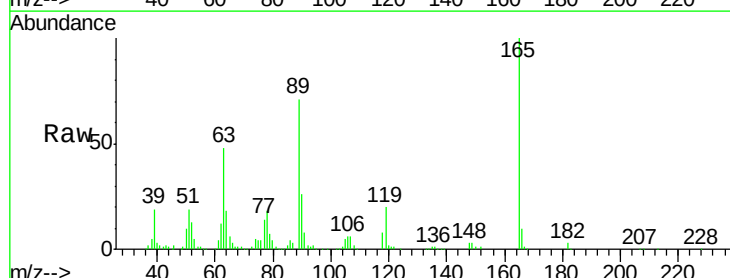


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

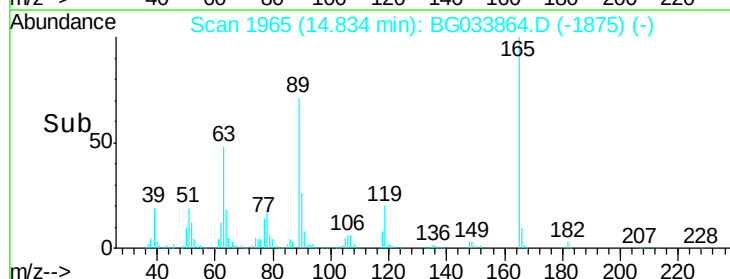
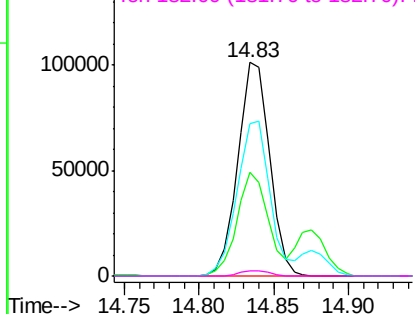


#56  
2,4-Dinitrotoluene  
Concen: 34.202 ng  
RT: 14.83 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

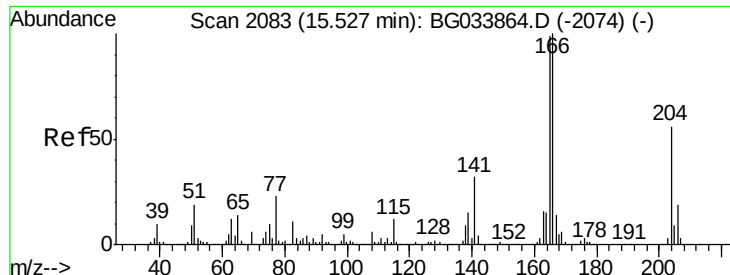
Tgt Ion:165 Resp: 149337  
Ion Ratio Lower Upper  
165 100  
63 48.3 42.0 63.0  
89 71.2 66.9 100.3  
182 2.6 2.6 3.8



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  
Ion 182.00 (181.70 to 182.70): E



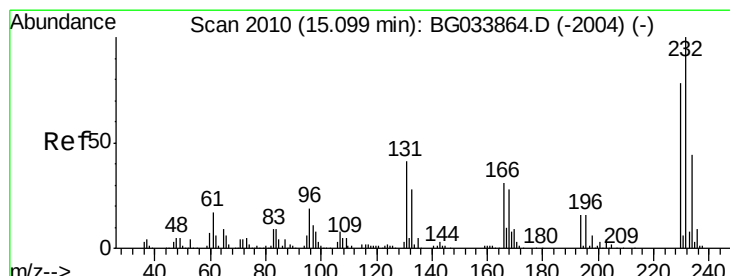
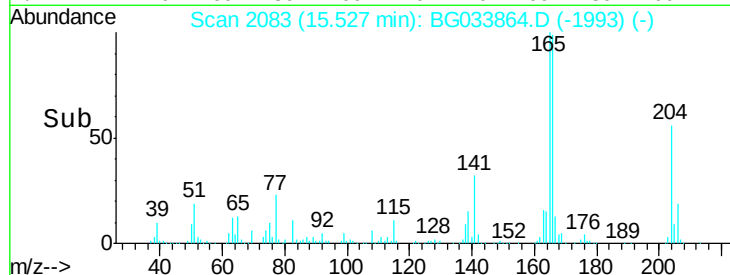
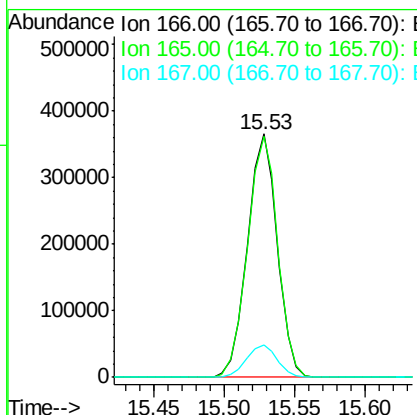
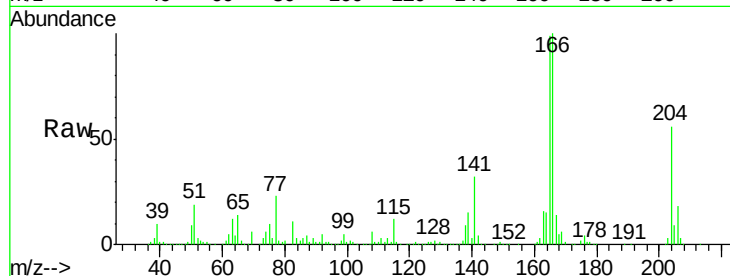




#57  
 Fluorene  
 Concen: 40.611 ng  
 RT: 15.53 min Scan# 2083  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

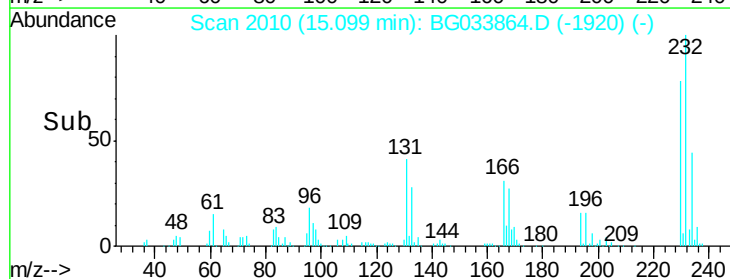
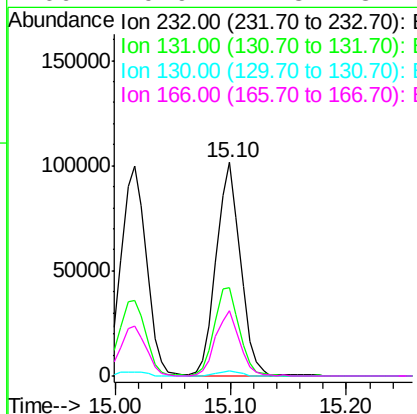
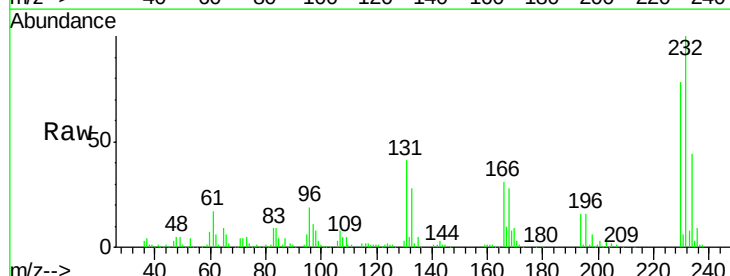
Instrument :  
 BNA\_G  
 ClientSampleId :

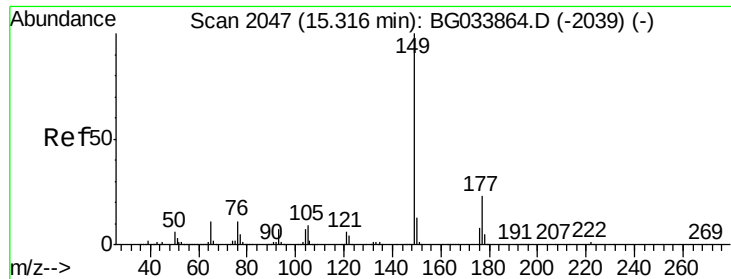
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 99.1  | 80.6  | 121.0 |
| 167     | 13.5  | 10.4  | 15.6  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 38.074 ng  
 RT: 15.10 min Scan# 2010  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 42.3  | 33.5  | 50.3  |
| 130     | 2.5   | 2.2   | 3.2   |
| 166     | 29.9  | 24.8  | 37.2  |

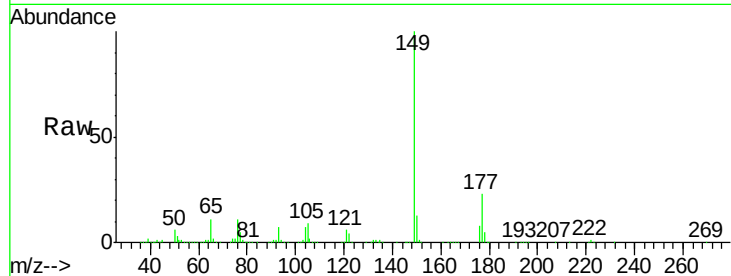




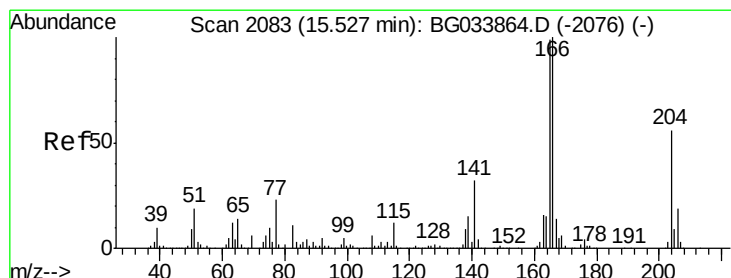
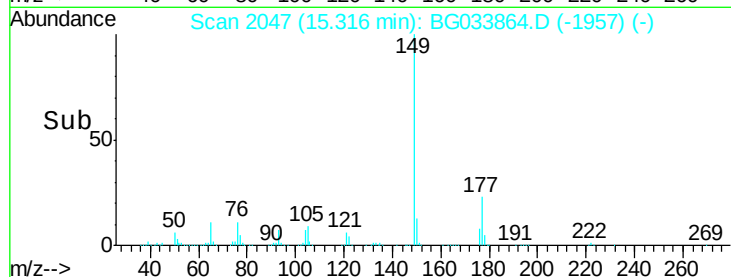
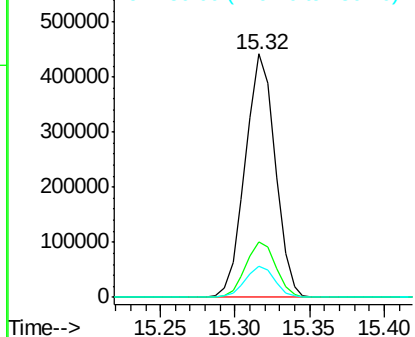
#59  
Diethylphthalate  
Concen: 43.486 ng  
RT: 15.32 min Scan# 2047  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 612411  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.5 27.7  
150 13.0 10.2 15.2

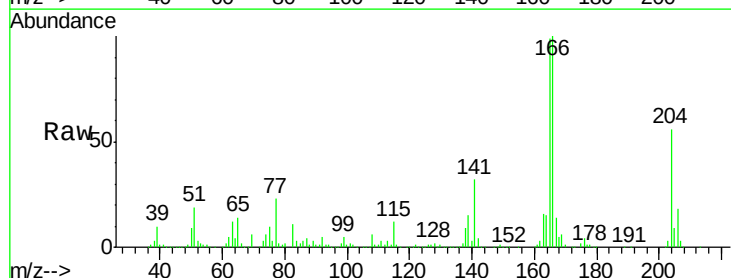


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

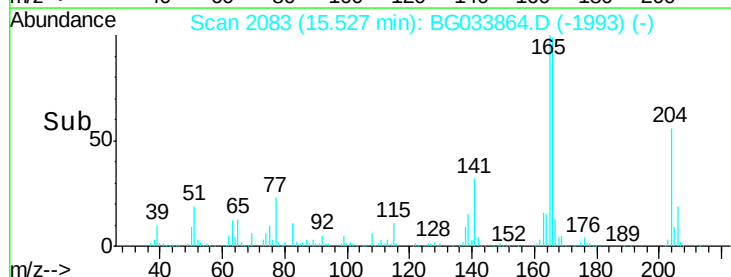
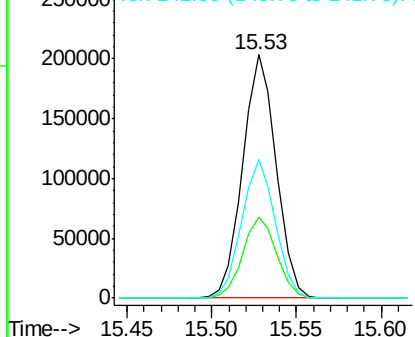


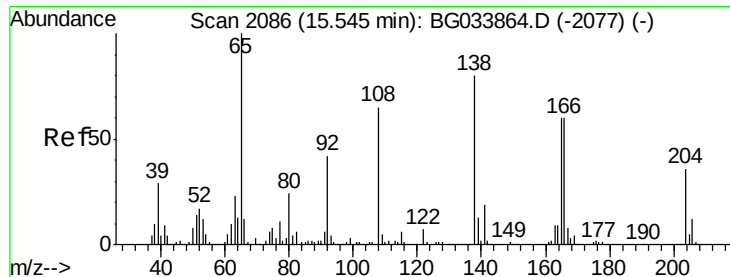
#60  
4-Chlorophenyl-phenylether  
Concen: 36.489 ng  
RT: 15.53 min Scan# 2083  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:204 Resp: 280386  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.2 39.2  
141 56.9 45.8 68.6



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

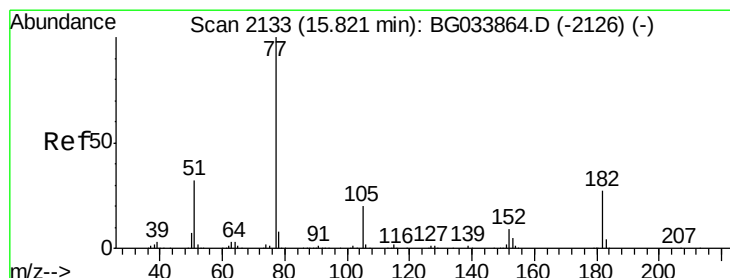
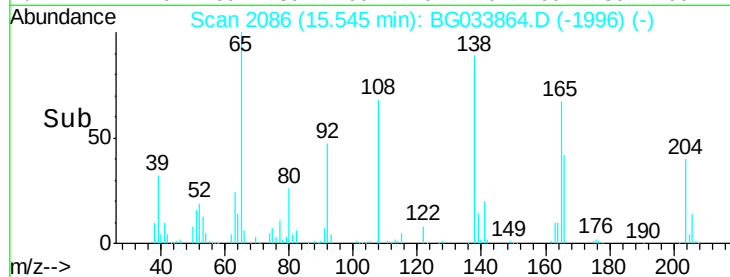
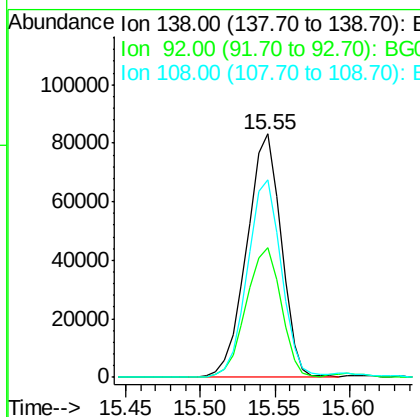
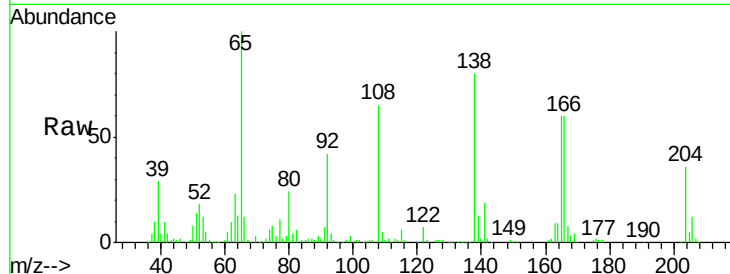




#61  
4-Nitroaniline  
Concen: 42.164 ng  
RT: 15.55 min Scan# 2086  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

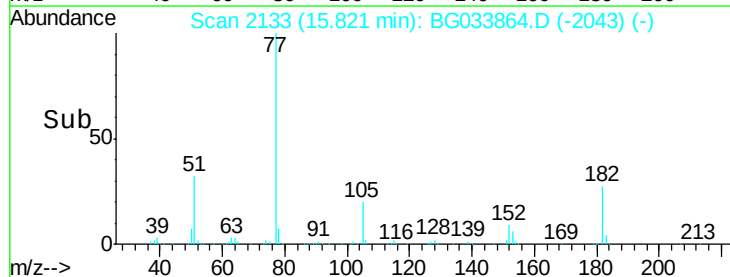
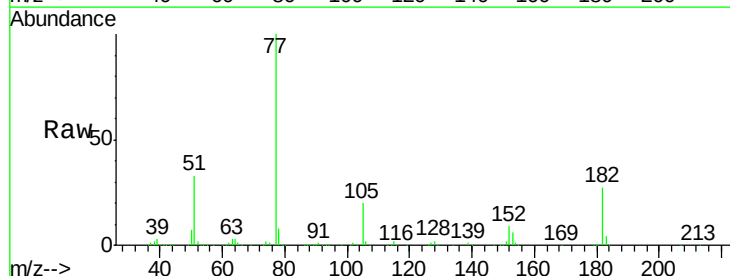
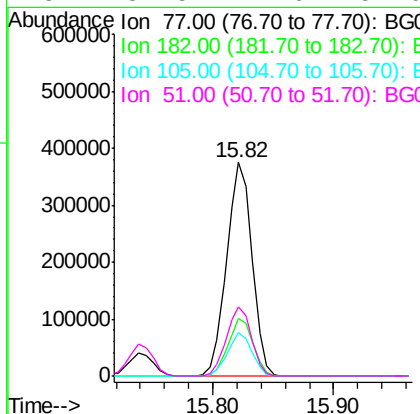
Instrument :  
BNA\_G  
ClientSampled :

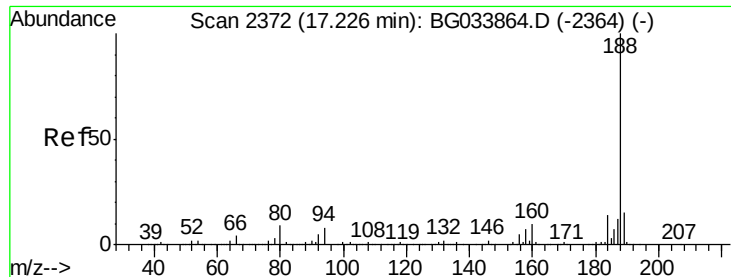
Tot Ion:138 Resp: 132747  
Ion Ratio Lower Upper  
138 100  
92 53.0 40.1 80.1  
108 81.3 65.4 105.4



#62  
Azobenzene  
Concen: 40.021 ng  
RT: 15.82 min Scan# 2133  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion: 77 Resp: 545969  
Ion Ratio Lower Upper  
77 100  
182 27.0 7.4 47.4  
105 20.2 0.3 40.3  
51 32.5 11.6 51.6

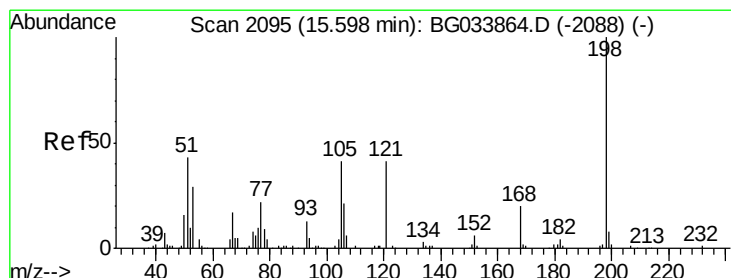
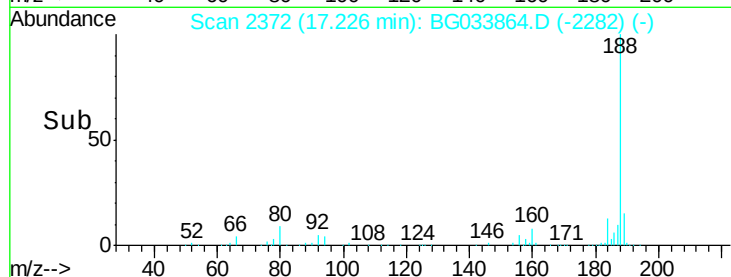
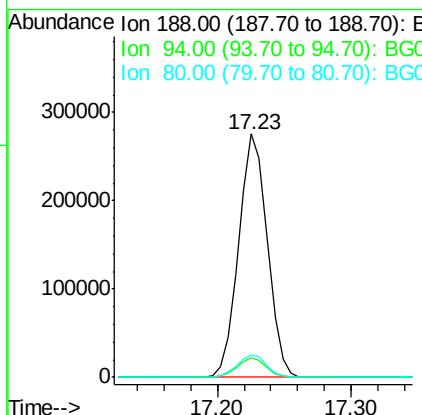
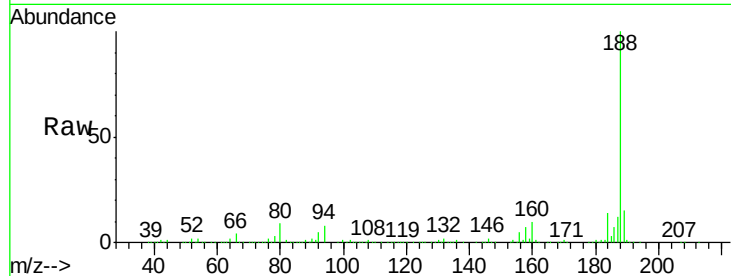




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.23 min Scan# 2372  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

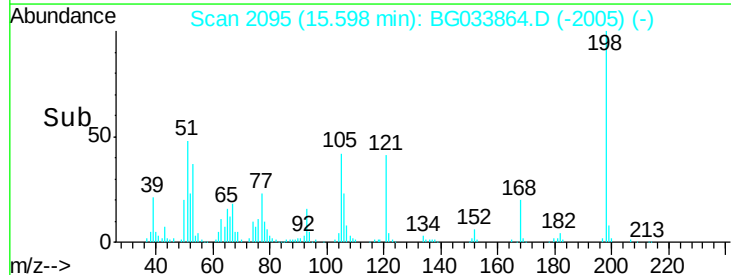
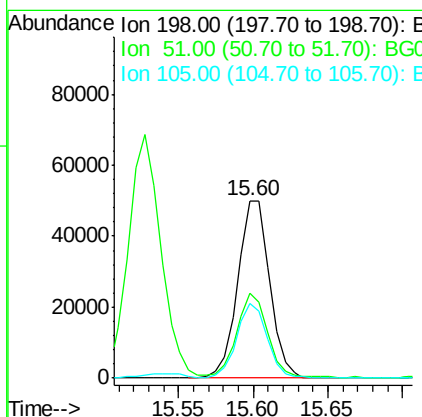
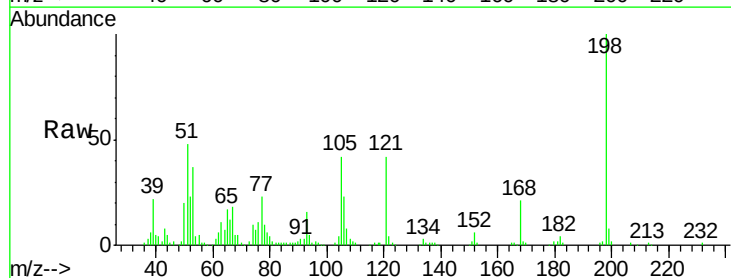
Instrument :  
 BNA\_G  
 ClientSampleId :

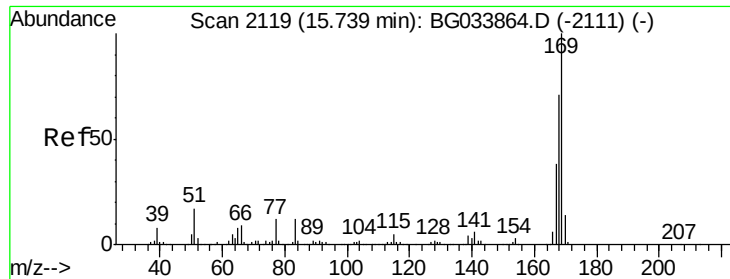
Tot Ion:188 Resp: 408636  
 Ion Ratio Lower Upper  
 188 100  
 94 7.9 6.9 10.3  
 80 9.3 7.7 11.5



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 30.304 ng  
 RT: 15.60 min Scan# 2095  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:198 Resp: 74080  
 Ion Ratio Lower Upper  
 198 100  
 51 48.2 30.6 70.6  
 105 42.0 23.8 63.8

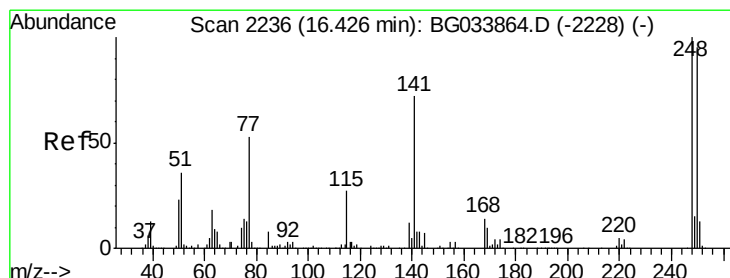
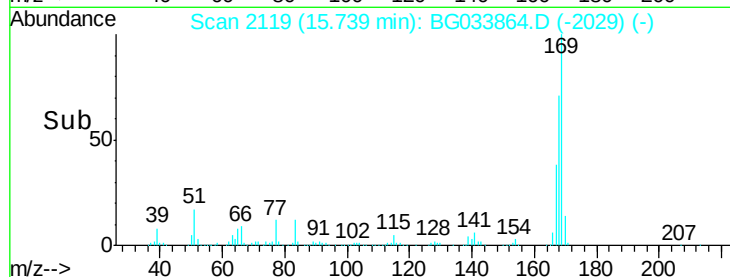
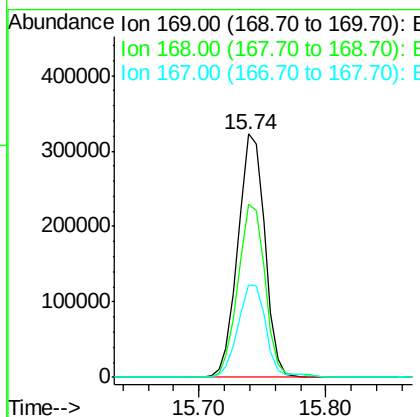
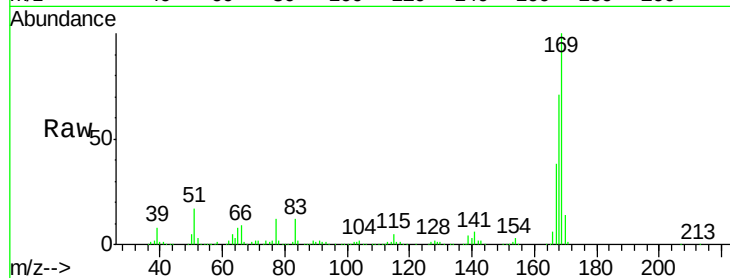




#65  
n-Nitrosodiphenylamine  
Concen: 40.454 ng  
RT: 15.74 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

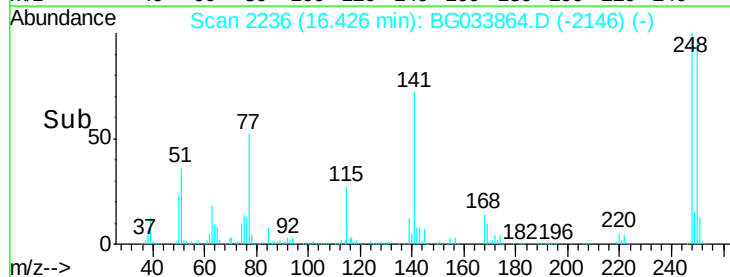
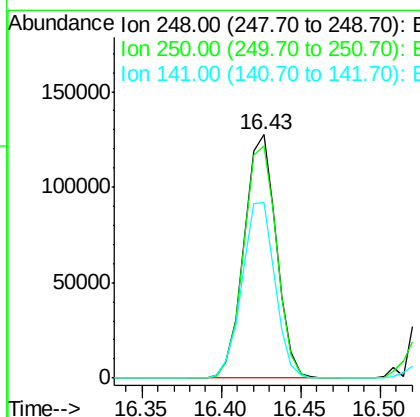
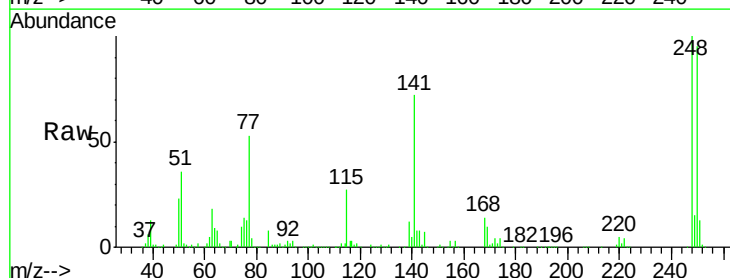
Instrument :  
BNA\_G  
ClientSampleId :

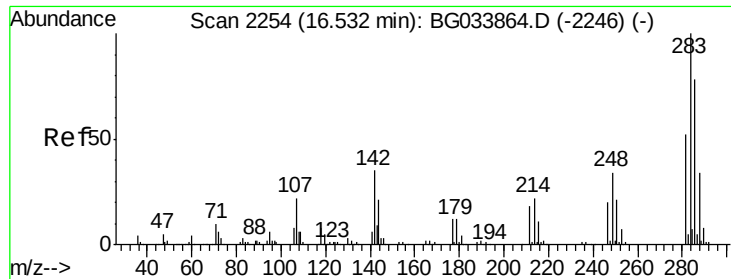
Tot Ion:169 Resp: 471935  
Ion Ratio Lower Upper  
169 100  
168 71.0 55.7 83.5  
167 38.0 30.1 45.1



#66  
4-Bromophenyl-phenylether  
Concen: 37.531 ng  
RT: 16.43 min Scan# 2236  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:248 Resp: 180112  
Ion Ratio Lower Upper  
248 100  
250 95.2 77.1 115.7  
141 72.0 50.8 76.2





#67

Hexachlorobenzene

Concen: 38.118 ng

RT: 16.53 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

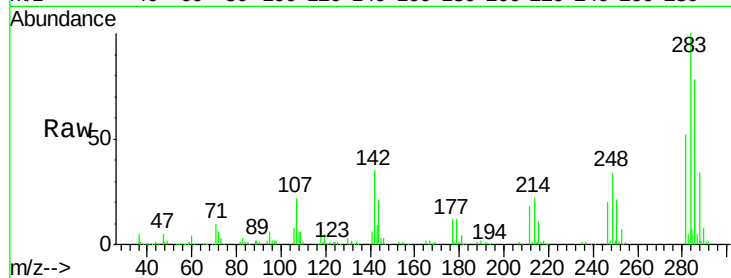
Tot Ion:284 Resp: 193058

Ion Ratio Lower Upper

284 100

142 34.6 26.8 40.2

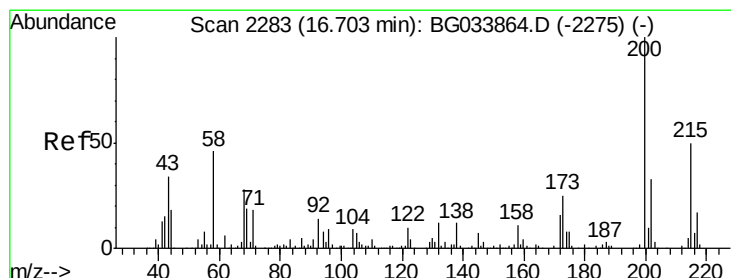
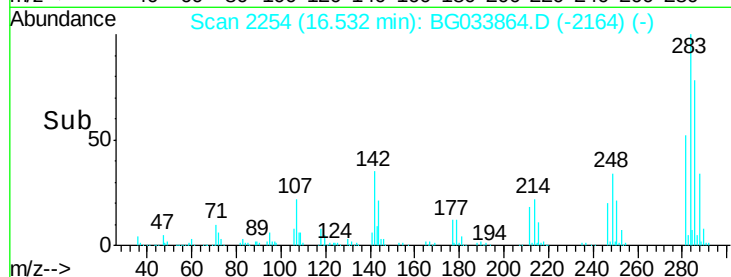
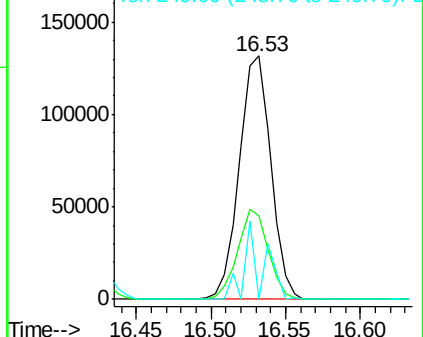
249 2.3 26.3 39.5#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 39.229 ng

RT: 16.70 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

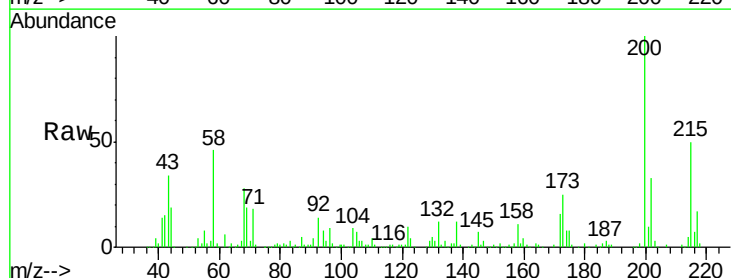
Tgt Ion:200 Resp: 185448

Ion Ratio Lower Upper

200 100

173 24.8 5.2 45.2

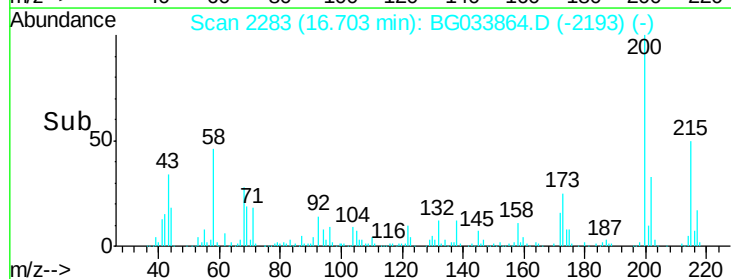
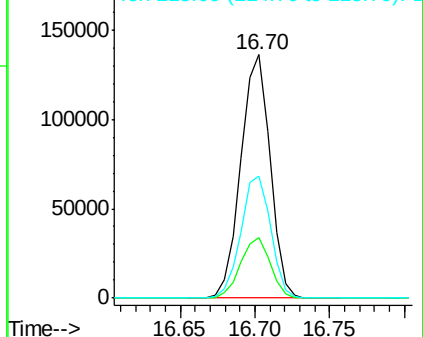
215 50.3 30.4 70.4

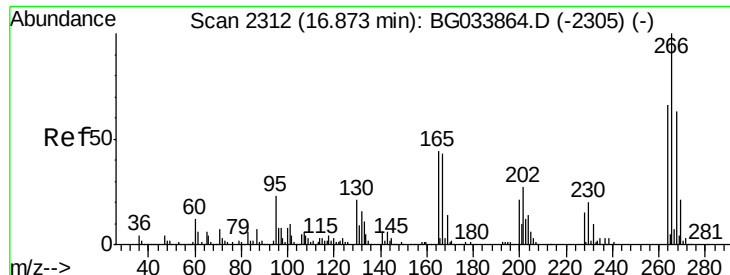


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

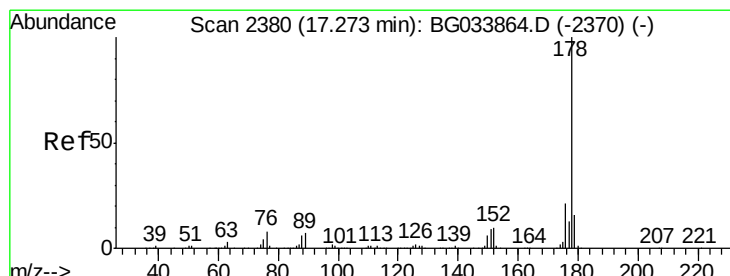
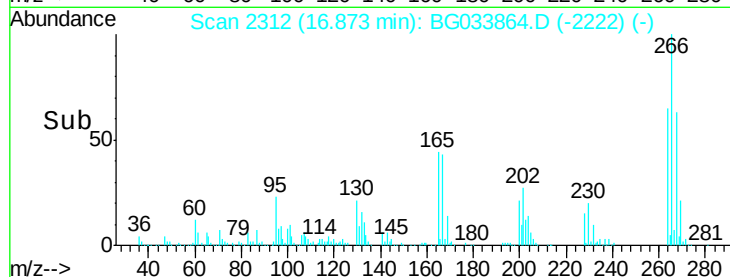
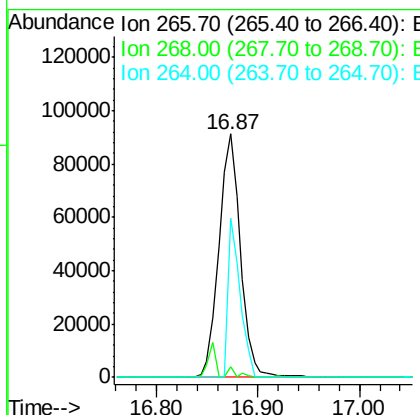
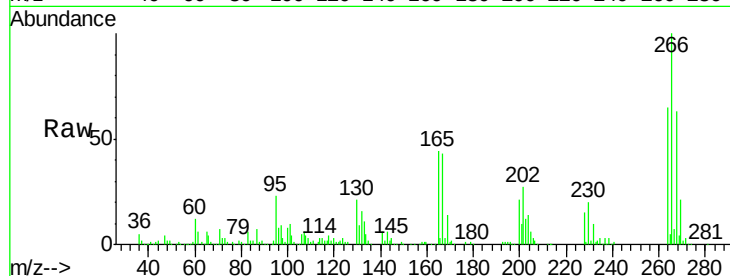




#69  
 Pentachlorophenol  
 Concen: 38.625 ng  
 RT: 16.87 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

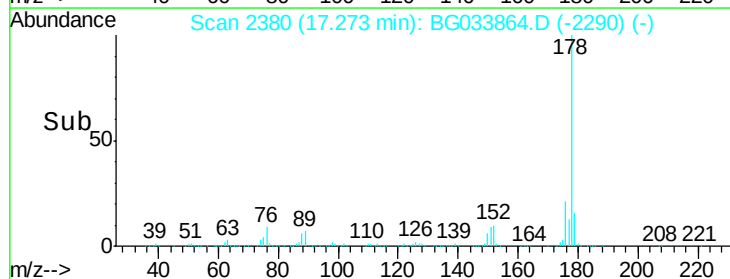
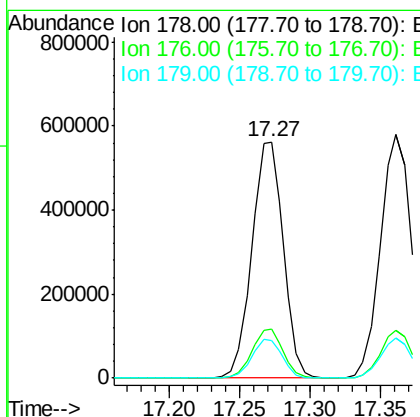
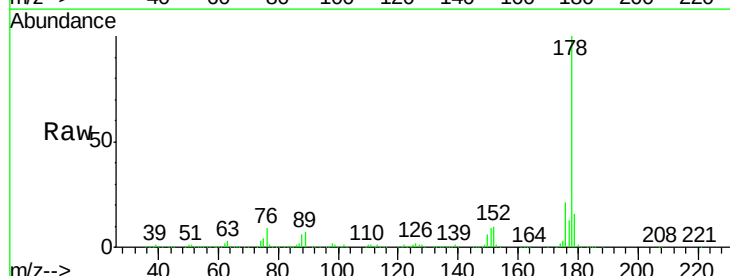
Instrument :  
 BNA\_G  
 ClientSampleId :

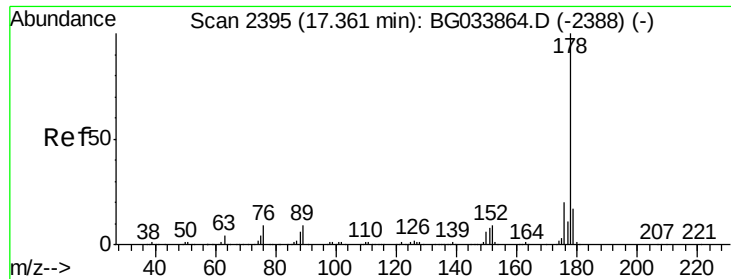
Tot Ion:266 Resp: 134268  
 Ion Ratio Lower Upper  
 266 100  
 268 4.3 51.1 76.7#  
 264 70.8 49.6 74.4



#70  
 Phenanthrene  
 Concen: 41.231 ng  
 RT: 17.27 min Scan# 2380  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:178 Resp: 877465  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 15.7 23.5  
 179 16.0 12.5 18.7

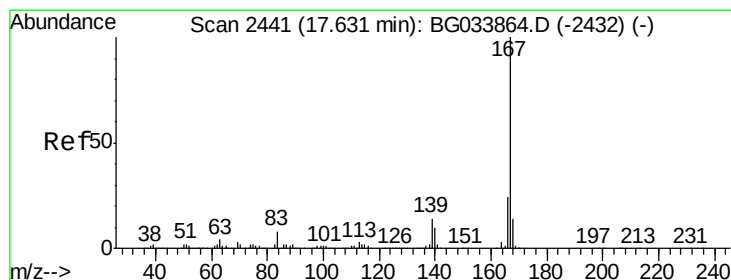
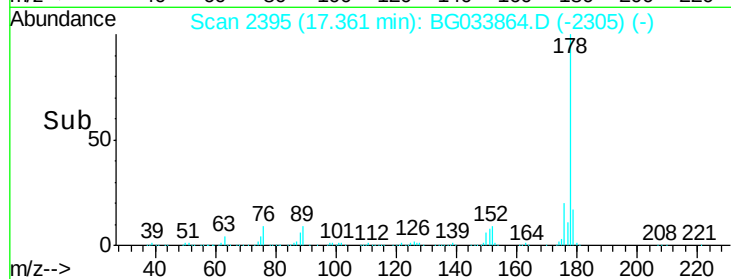
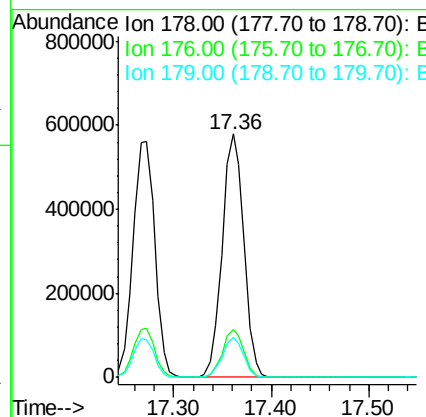
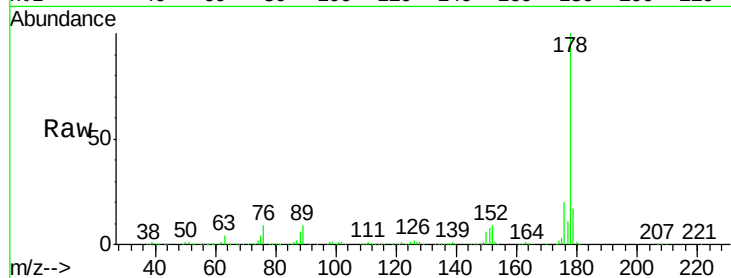




#71  
 Anthracene  
 Concen: 41.030 ng  
 RT: 17.36 min Scan# 2395  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

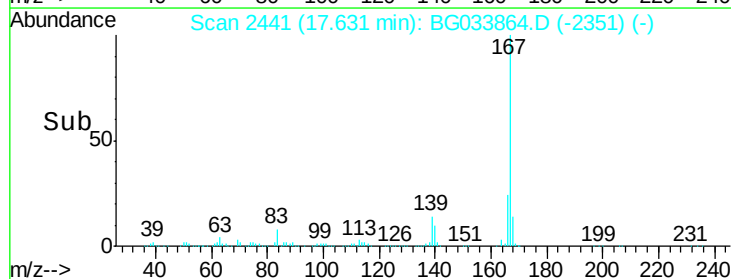
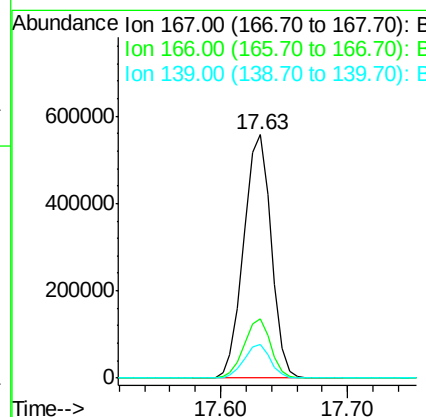
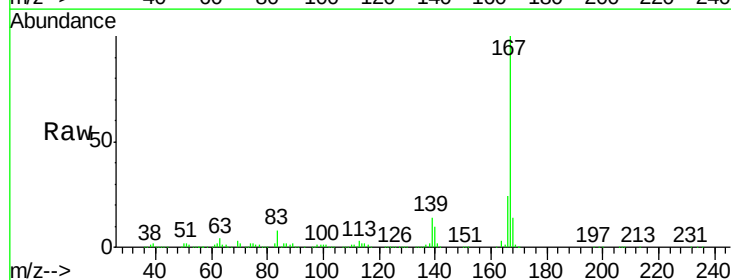
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 16.0  | 24.0  |
| 179     | 16.5  | 12.5  | 18.7  |

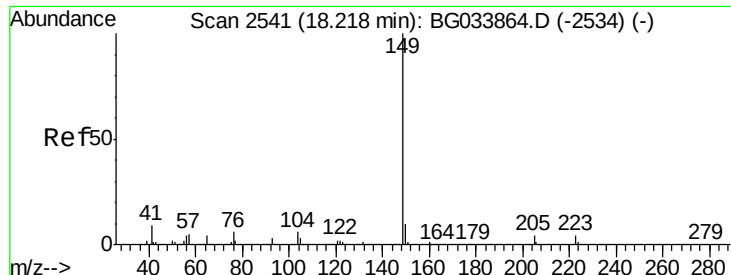


#72  
 Carbazole  
 Concen: 43.789 ng  
 RT: 17.63 min Scan# 2441  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.1  | 18.2  | 27.4  |
| 139     | 13.6  | 9.4   | 14.2  |



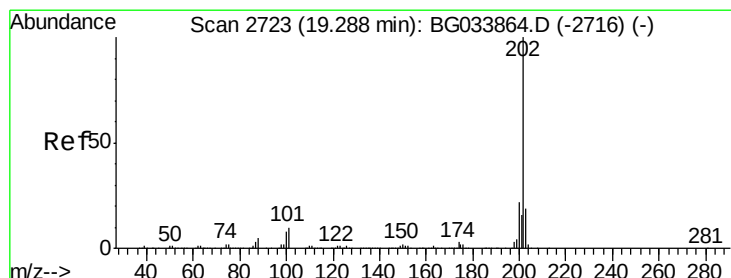
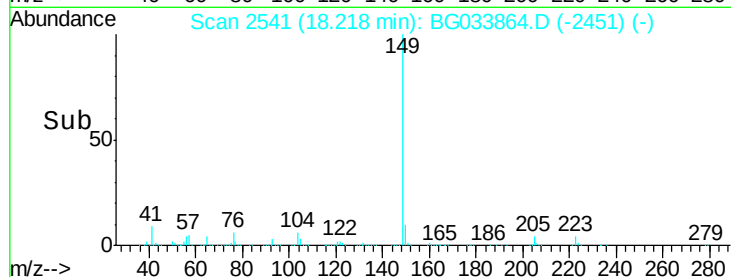
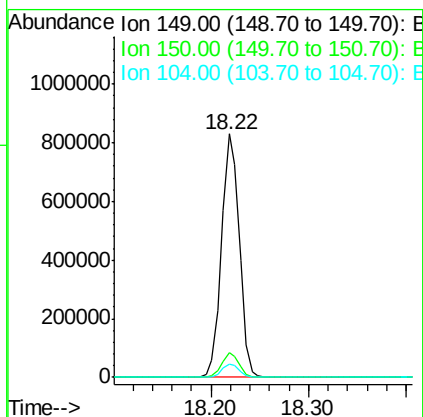
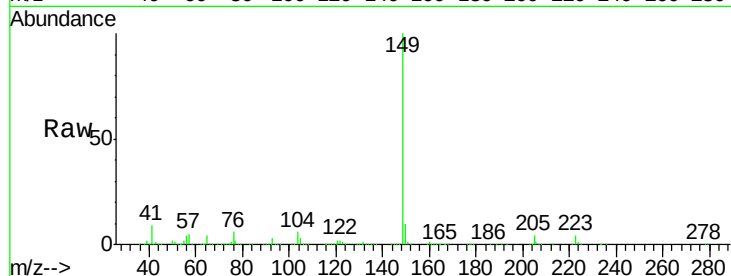




#73  
Di-n-butylphthalate  
Concen: 47.056 ng  
RT: 18.22 min Scan# 2541  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

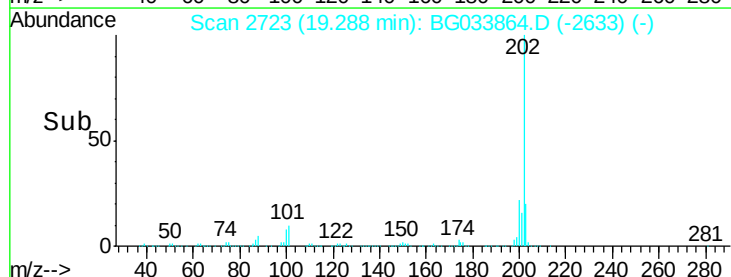
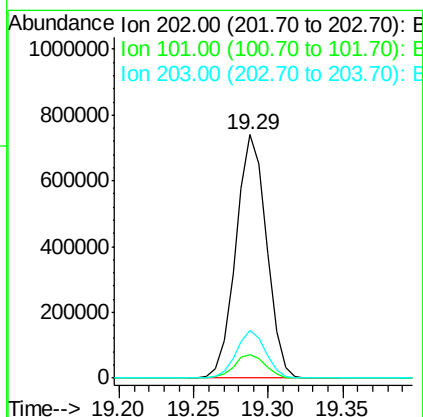
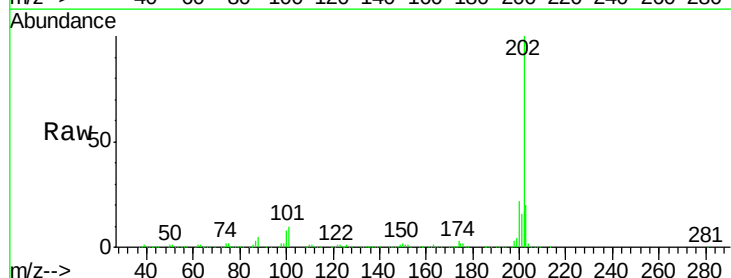
Instrument :  
BNA\_G  
ClientSampleId :

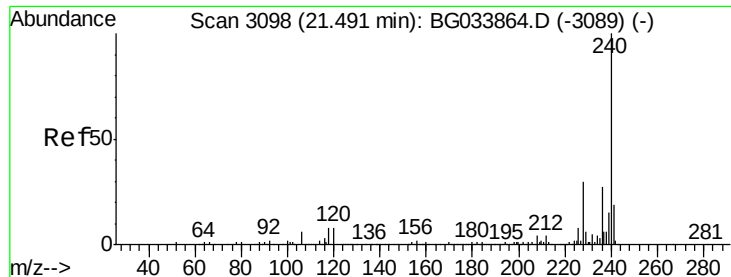
Tot Ion:149 Resp: 1045841  
Ion Ratio Lower Upper  
149 100  
150 10.1 7.8 11.6  
104 5.5 3.9 5.9



#74  
Fluoranthene  
Concen: 39.954 ng  
RT: 19.29 min Scan# 2723  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:202 Resp: 1052232  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 28.9  
203 19.5 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.49 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

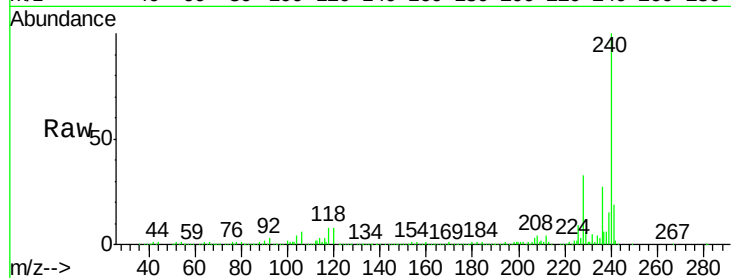
Tot Ion:240 Resp: 402765

Ion Ratio Lower Upper

240 100

120 8.4 6.8 10.2

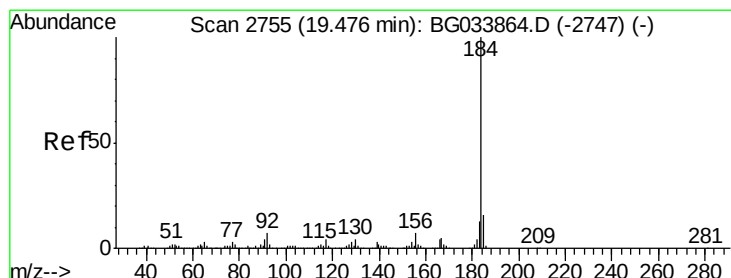
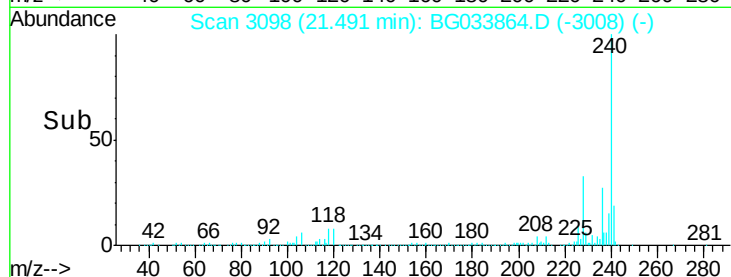
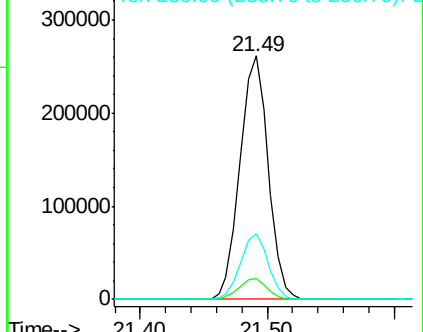
236 26.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 39.572 ng

RT: 19.48 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

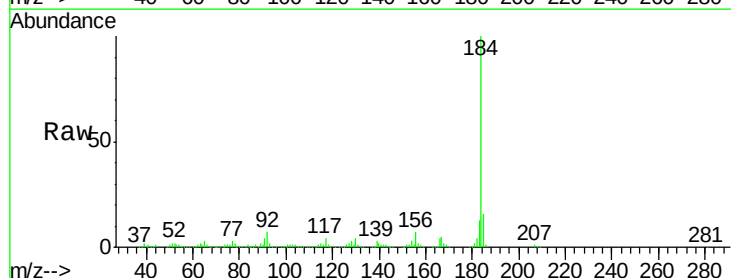
Tgt Ion:184 Resp: 432218

Ion Ratio Lower Upper

184 100

185 15.5 11.1 16.7

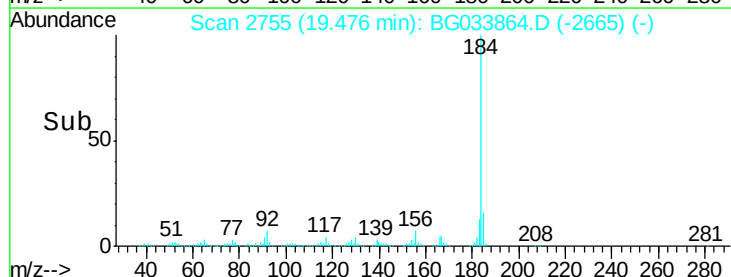
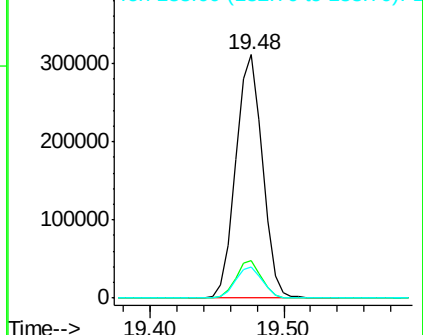
183 12.7 10.6 16.0

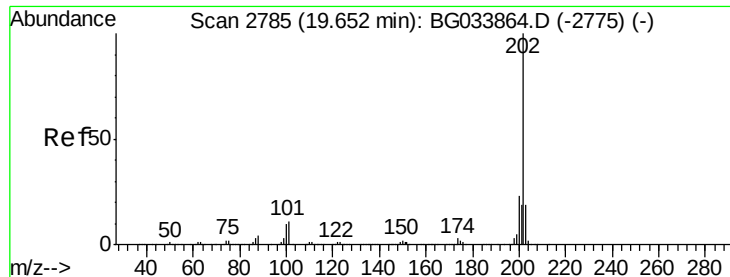


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 39.844 ng

RT: 19.65 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

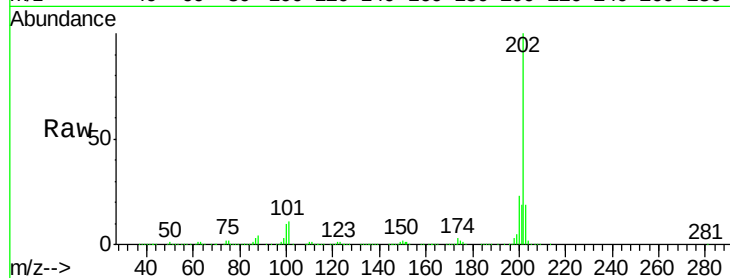
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:202 Resp: 1070288

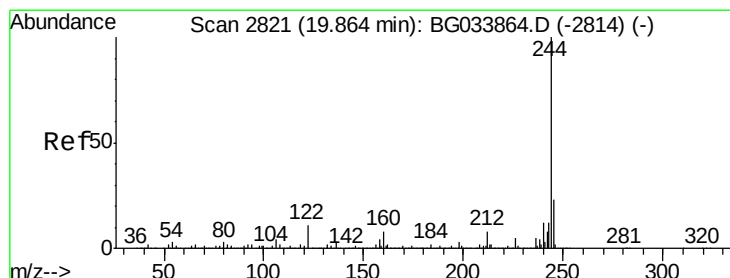
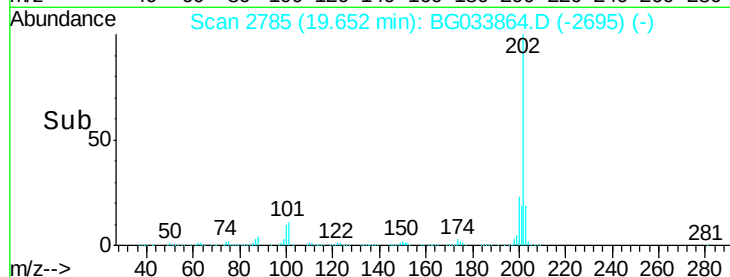
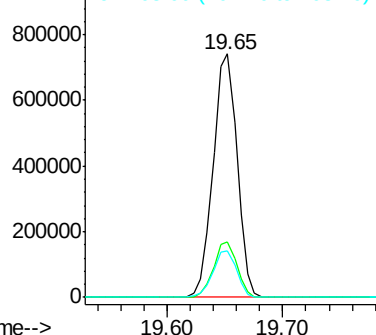
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.6  | 16.9  | 25.3  |
| 203 | 19.3  | 13.9  | 20.9  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 76.556 ng

RT: 19.86 min Scan# 2821

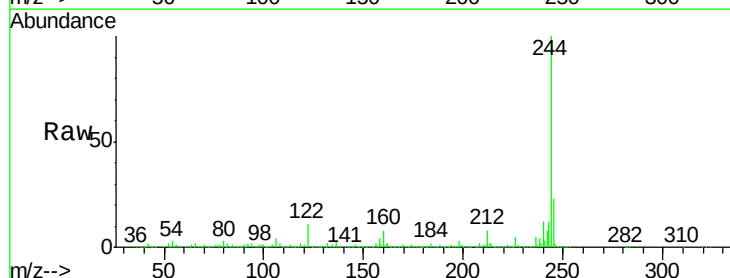
Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Tgt Ion:244 Resp: 1441782

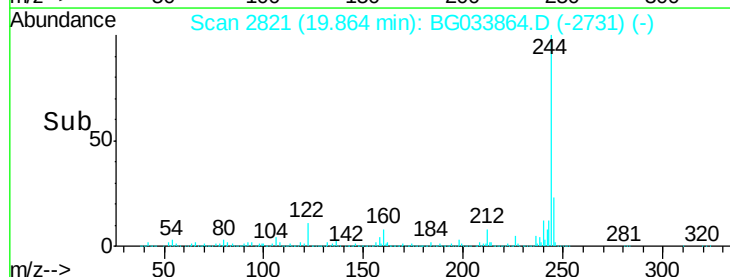
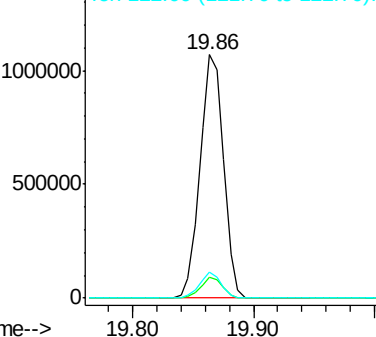
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 5.8   | 8.8   |
| 122 | 10.6  | 7.0   | 10.4  |

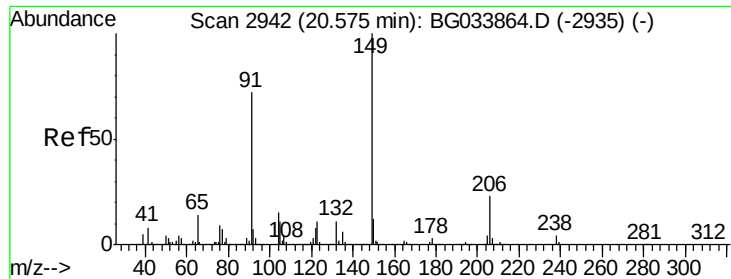


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

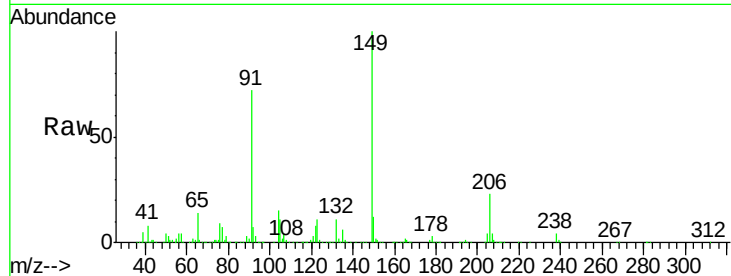




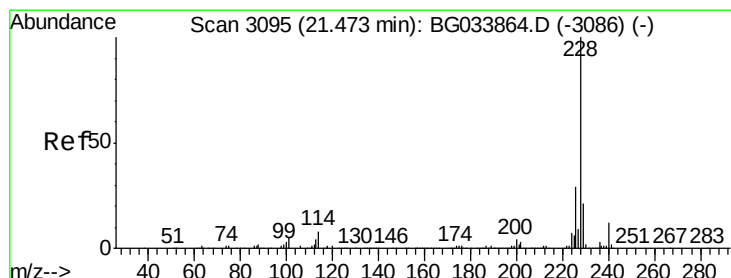
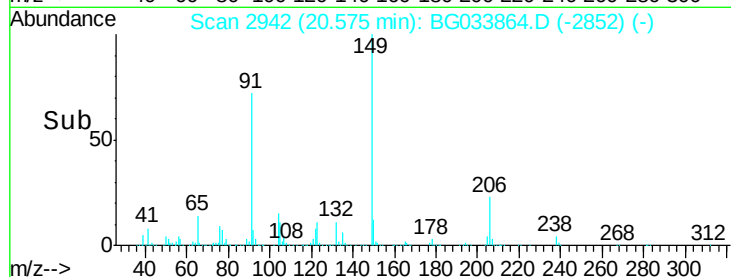
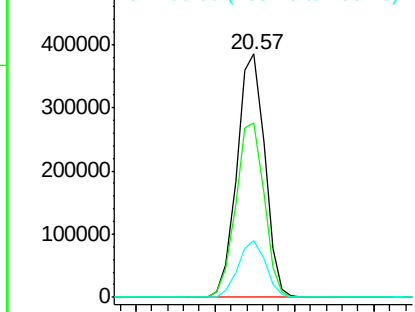
#79  
Butylbenzylphthalate  
Concen: 47.246 ng  
RT: 20.57 min Scan# 2942  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:149 Resp: 468334  
Ion Ratio Lower Upper  
149 100  
91 71.6 62.2 93.2  
206 23.4 18.6 27.8

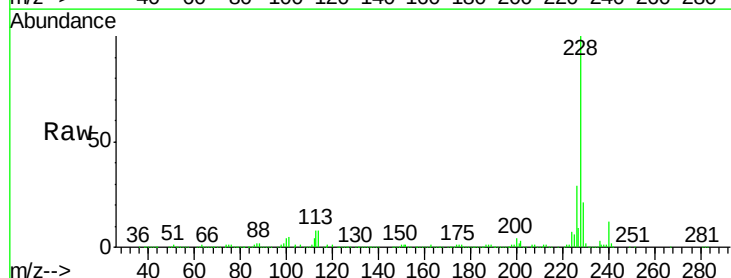


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

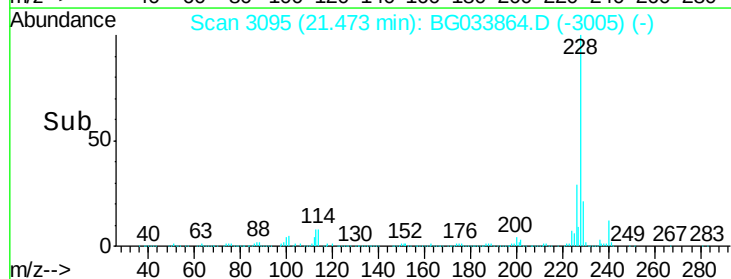
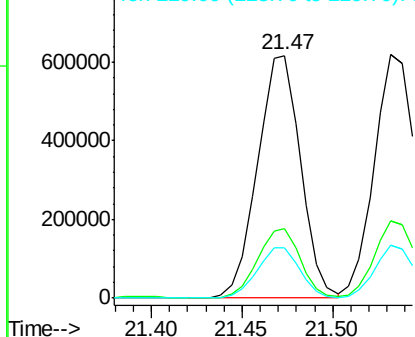


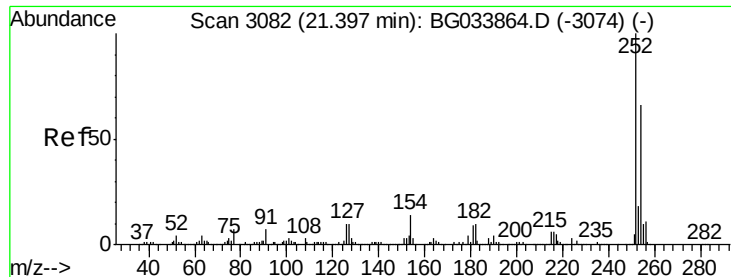
#80  
Benzo(a)anthracene  
Concen: 39.666 ng  
RT: 21.47 min Scan# 3095  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:228 Resp: 1017288  
Ion Ratio Lower Upper  
228 100  
226 28.6 22.7 34.1  
229 20.8 16.2 24.2



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

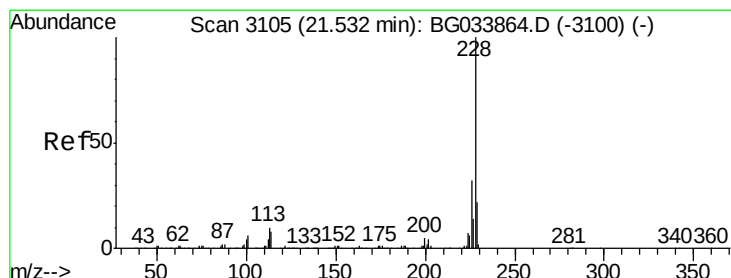
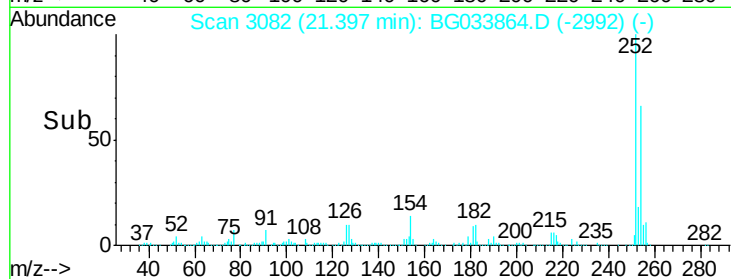
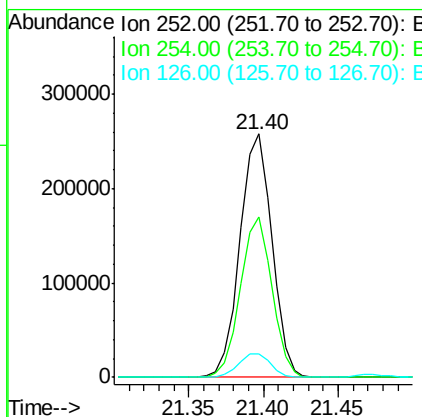
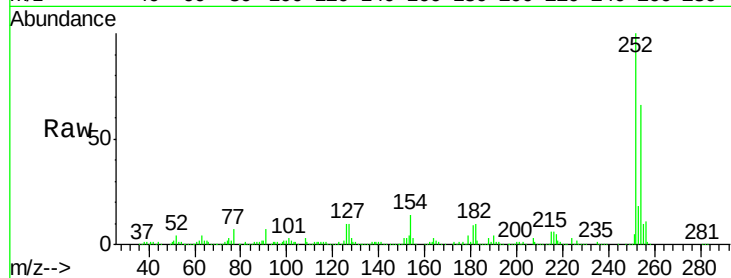




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.100 ng  
 RT: 21.40 min Scan# 3082  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

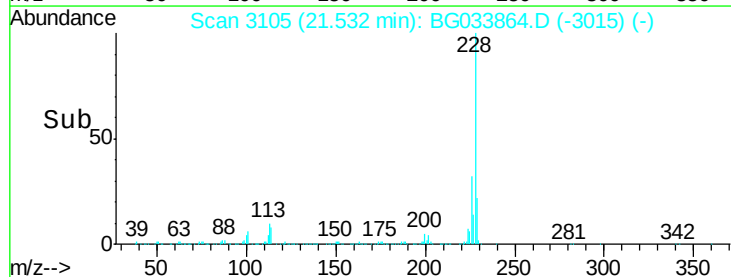
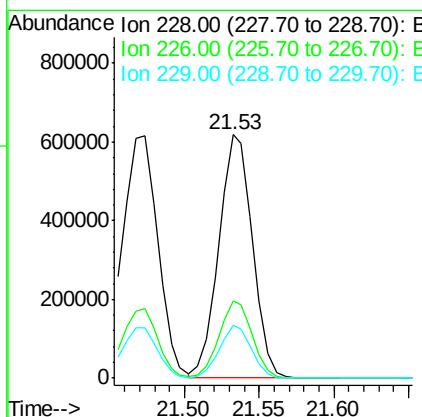
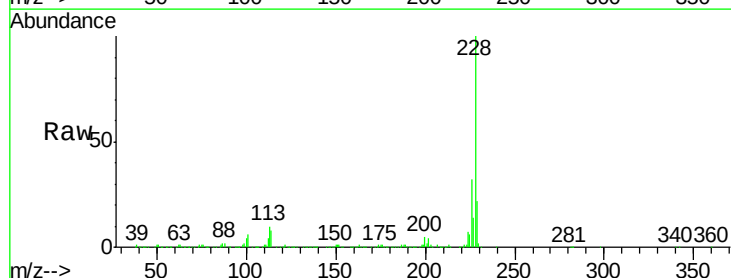
Instrument :  
 BNA\_G  
 ClientSampleId :

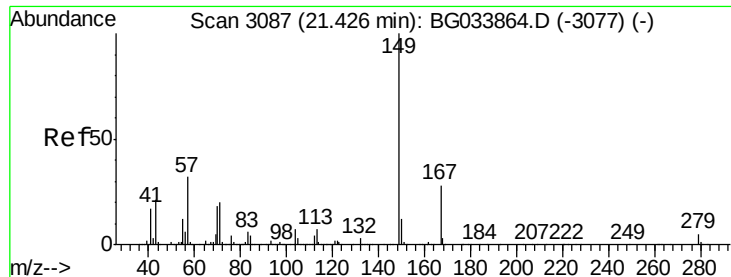
Tot Ion:252 Resp: 384215  
 Ion Ratio Lower Upper  
 252 100  
 254 65.7 50.8 76.2  
 126 9.7 7.4 11.2



#82  
 Chrysene  
 Concen: 39.216 ng  
 RT: 21.53 min Scan# 3105  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:228 Resp: 973568  
 Ion Ratio Lower Upper  
 228 100  
 226 31.6 24.9 37.3  
 229 21.5 15.0 22.4

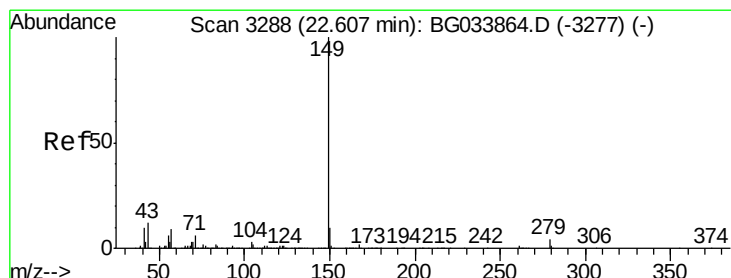
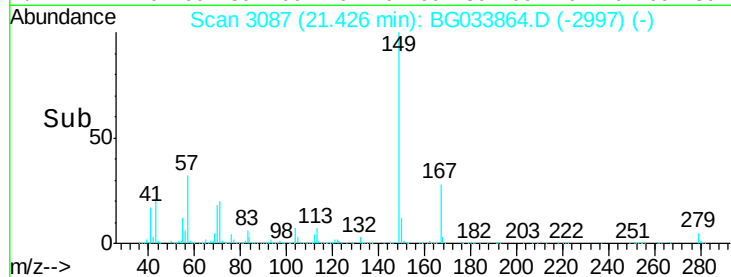
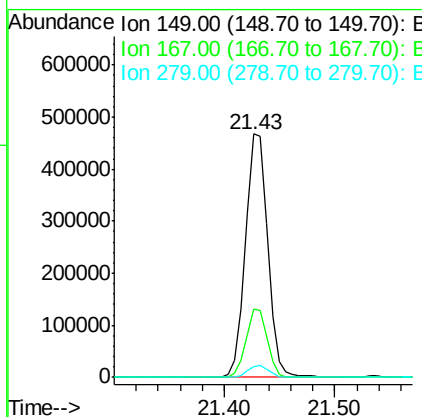
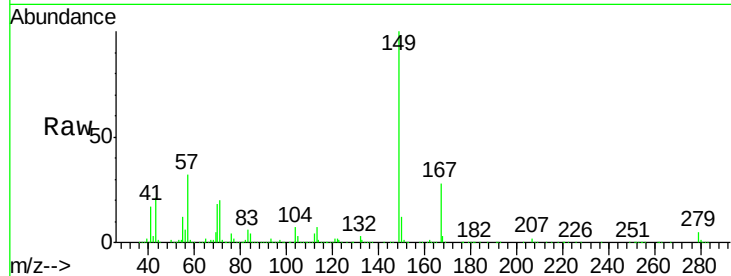




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 48.742 ng  
 RT: 21.43 min Scan# 3087  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

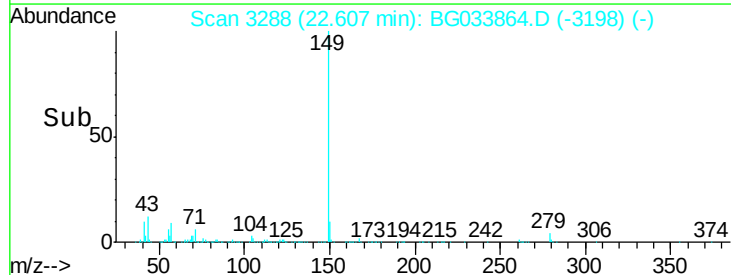
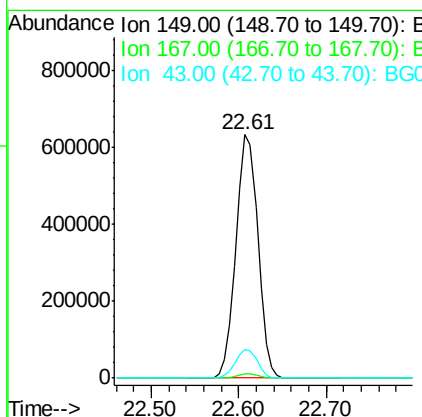
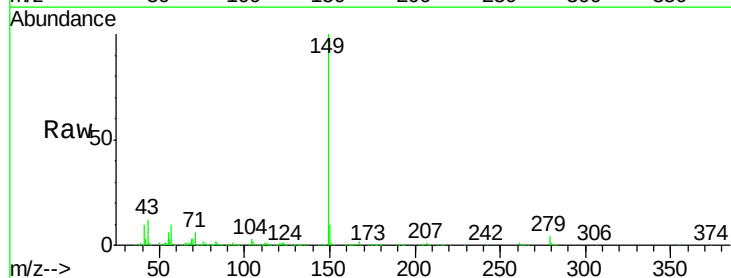
Instrument :  
 BNA\_G  
 ClientSampleId :

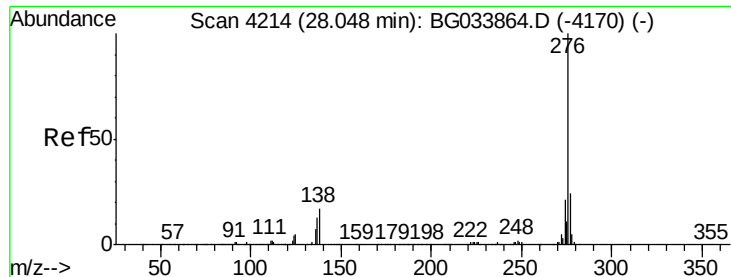
Tot Ion:149 Resp: 666041  
 Ion Ratio Lower Upper  
 149 100  
 167 28.1 24.3 36.5  
 279 4.6 4.0 6.0



#84  
 Di-n-octyl phthalate  
 Concen: 51.021 ng  
 RT: 22.61 min Scan# 3288  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:149 Resp: 1067472  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.4 2.0  
 43 12.0 8.9 13.3

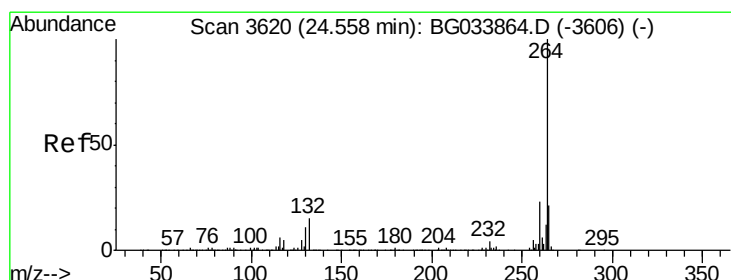
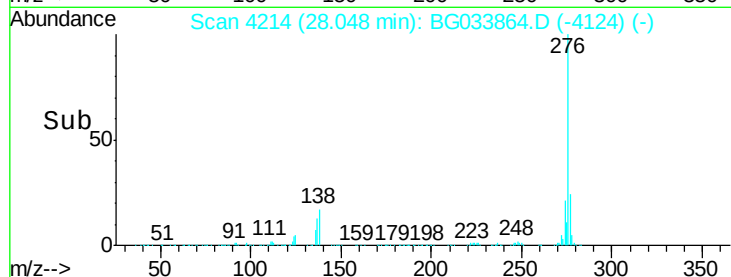
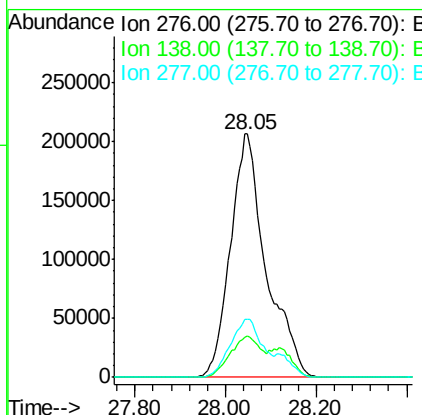
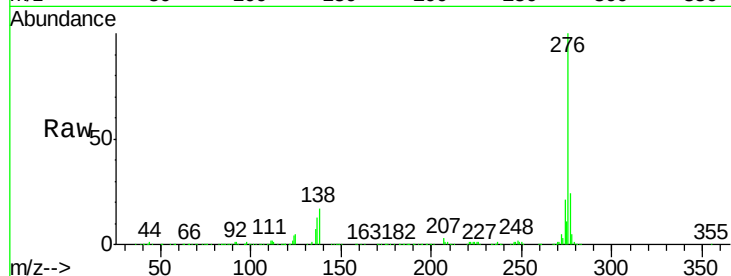




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.048 ng  
 RT: 28.05 min Scan# 4214  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

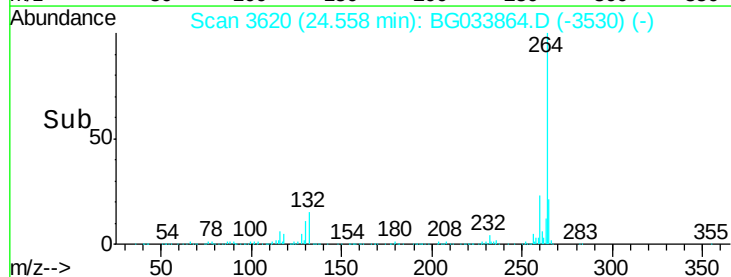
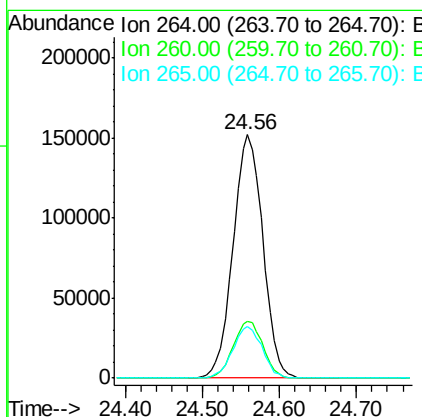
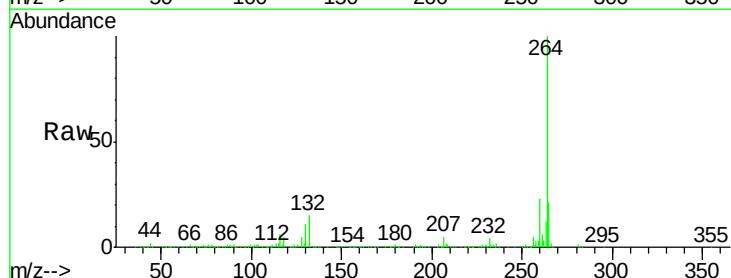
Instrument :  
 BNA\_G  
 ClientSampleId :

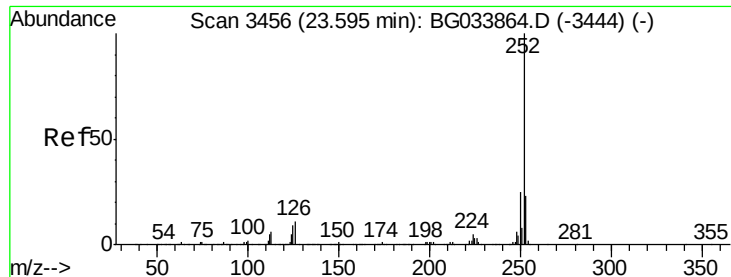
Tot Ion:276 Resp: 1128611  
 Ion Ratio Lower Upper  
 276 100  
 138 14.6 16.0 24.0#  
 277 21.6 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.56 min Scan# 3620  
 Delta R.T. 0.00 min  
 Lab File: BG033864.D  
 Acq: 19 Apr 2018 11:13

Tgt Ion:264 Resp: 410355  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 17.4 26.0  
 265 21.0 17.7 26.5





#87

Benzo(b)fluoranthene

Concen: 42.252 ng

RT: 23.59 min Scan# 3456

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

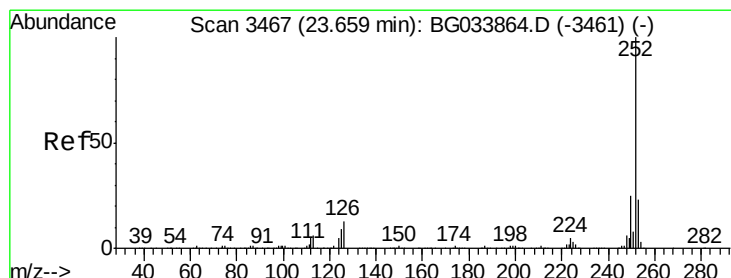
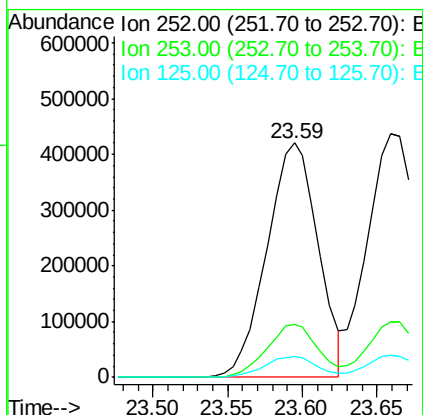
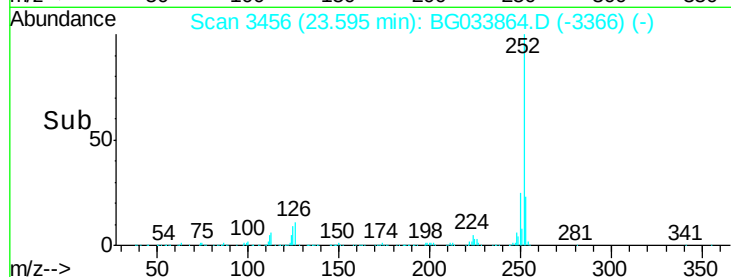
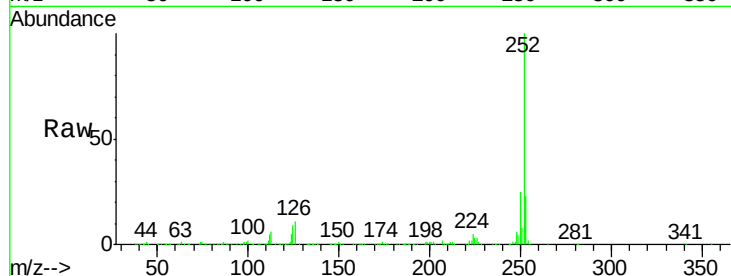
Tot Ion:252 Resp: 1001716

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

125 9.0 7.2 10.8



#88

Benzo(k)fluoranthene

Concen: 41.599 ng

RT: 23.66 min Scan# 3467

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

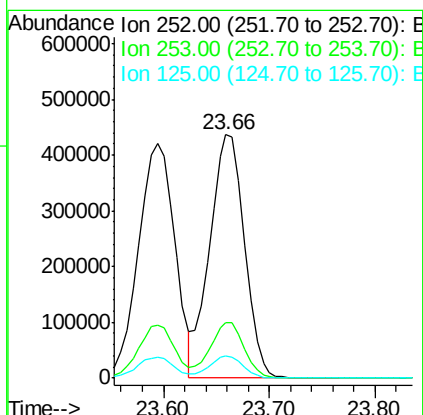
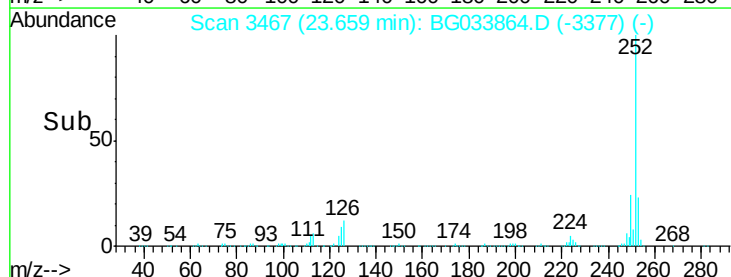
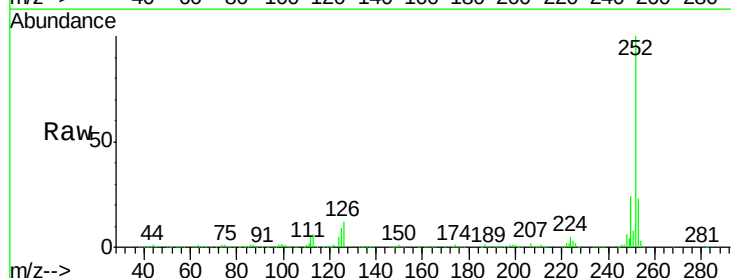
Tgt Ion:252 Resp: 997459

Ion Ratio Lower Upper

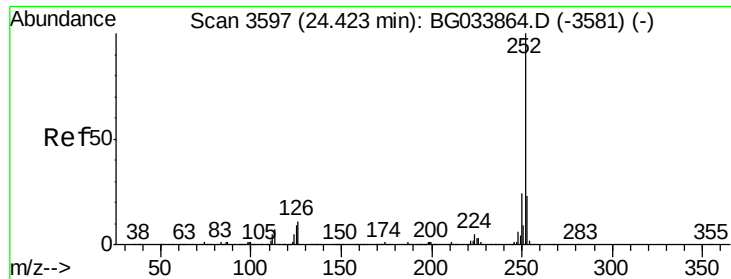
252 100

253 22.9 17.4 26.2

125 8.9 6.6 9.8



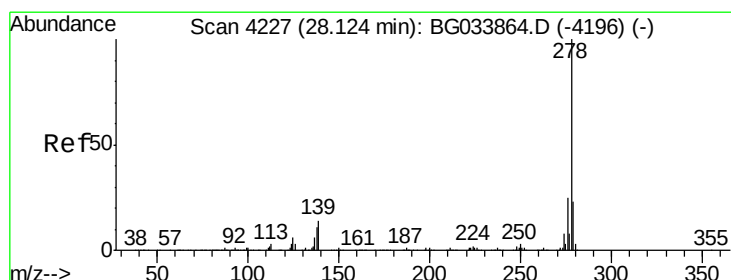
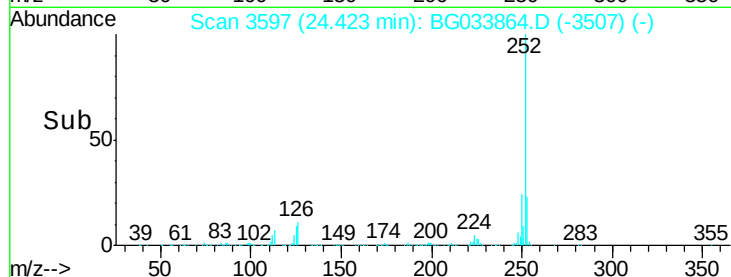
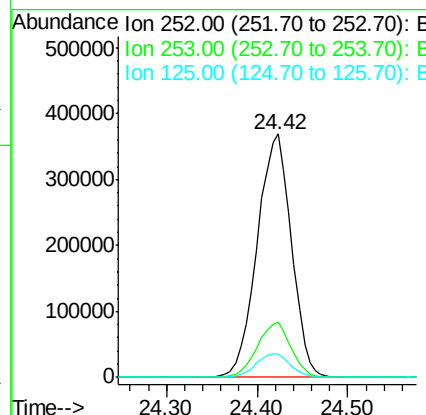
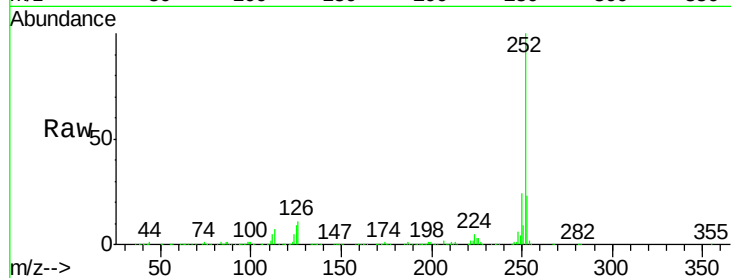




#89  
Benzo(a)pyrene  
Concen: 42.341 ng  
RT: 24.42 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

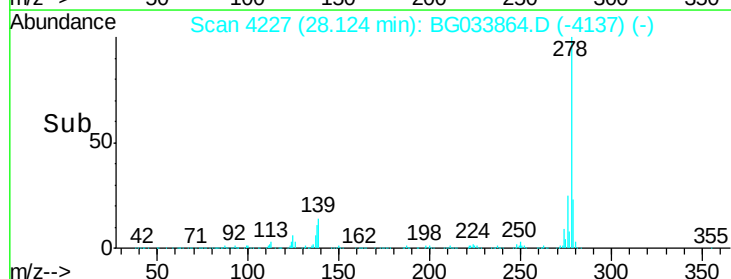
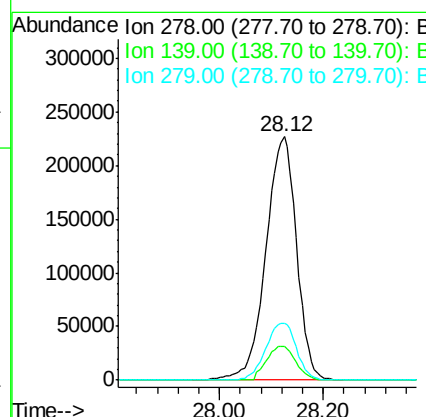
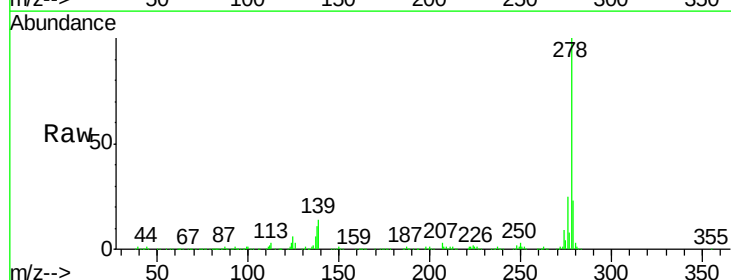
Instrument :  
BNA\_G  
ClientSampled :

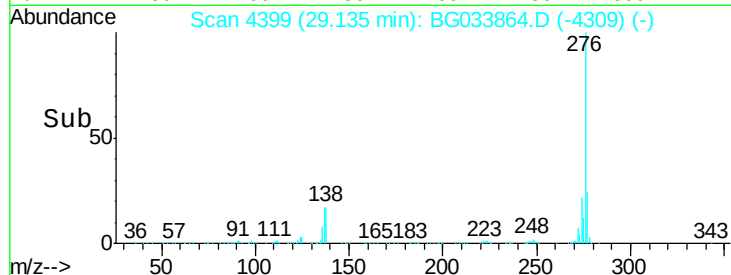
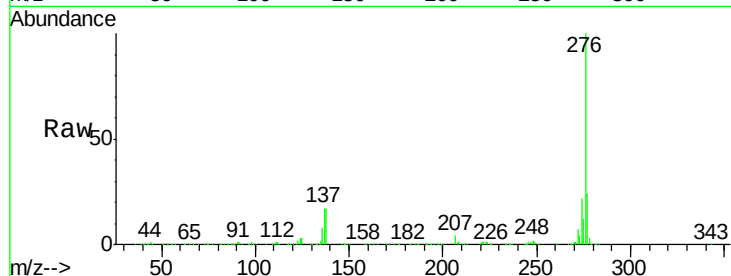
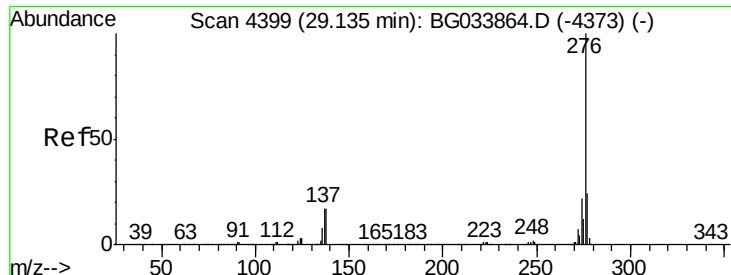
Tot Ion:252 Resp: 964003  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.3 27.5  
125 9.4 7.3 10.9



#90  
Dibenzo(a,h)anthracene  
Concen: 43.433 ng  
RT: 28.12 min Scan# 4227  
Delta R.T. 0.00 min  
Lab File: BG033864.D  
Acq: 19 Apr 2018 11:13

Tgt Ion:278 Resp: 931483  
Ion Ratio Lower Upper  
278 100  
139 13.7 9.8 14.6  
279 23.2 18.4 27.6





#91

Benzo(a,h,i)perylene

Concen: 43.315 ng

RT: 29.14 min Scan# 4399

Delta R.T. 0.00 min

Lab File: BG033864.D

Acq: 19 Apr 2018 11:13

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 919884

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.1  | 18.3  | 27.5  |
| 138 | 17.4  | 13.9  | 20.9  |

