

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091417\  
 Data File : BG028745.D  
 Acq On : 14 Sep 2017 23:20  
 Operator : SJ/JU  
 Sample : PB102326BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 15 07:53:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.33  | 152  | 22275    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.15 | 136  | 97794    | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.94 | 164  | 84261    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.69 | 188  | 259542   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.02 | 240  | 290684   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.51 | 264  | 300565   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.90  | 112 | 131846  | 97.67  | ng | 0.00 |
| 7) Phenol-d6             | 7.48  | 99  | 191900  | 94.41  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.50  | 82  | 174580  | 85.40  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.43 | 330 | 144060  | 103.37 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.56 | 172 | 518941  | 82.12  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.28 | 244 | 1105860 | 81.13  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.84  | 88  | 17223  | 31.505 | ng | 89     |
| 3) Pyridine                    | 4.23  | 79  | 52831  | 33.878 | ng | # 92   |
| 4) n-Nitrosodimethylamine      | 4.14  | 42  | 28600  | 40.317 | ng | # 64   |
| 6) Aniline                     | 7.65  | 93  | 55914  | 23.637 | ng | 92     |
| 8) 2-Chlorophenol              | 7.90  | 128 | 66513  | 44.198 | ng | 88     |
| 9) Benzaldehyde                | 7.47  | 77  | 35195  | 27.910 | ng | 88     |
| 10) Phenol                     | 7.51  | 94  | 96249  | 44.870 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.74  | 93  | 58685  | 38.106 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 8.21  | 146 | 63789  | 39.364 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 8.36  | 146 | 64900  | 38.949 | ng | 92     |
| 14) 1,2-Dichlorobenzene        | 8.68  | 146 | 63464  | 38.552 | ng | 96     |
| 15) Benzyl Alcohol             | 8.56  | 79  | 70980  | 44.735 | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.84  | 45  | 108068 | 38.610 | ng | 95     |
| 17) 2-Methylphenol             | 8.76  | 107 | 64408  | 45.950 | ng | # 90   |
| 18) Hexachloroethane           | 9.41  | 117 | 23913  | 39.155 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 9.12  | 70  | 57158  | 39.670 | ng | # 87   |
| 20) 3+4-Methylphenols          | 9.09  | 107 | 89467  | 45.633 | ng | 91     |
| 22) Acetophenone               | 9.15  | 105 | 106534 | 37.257 | ng | # 88   |
| 24) Nitrobenzene               | 9.54  | 77  | 88941  | 39.290 | ng | 93     |
| 25) Isophorone                 | 10.05 | 82  | 165733 | 40.067 | ng | 98     |
| 26) 2-Nitrophenol              | 10.25 | 139 | 37967  | 39.408 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 10.30 | 122 | 75291  | 42.753 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93  | 88485  | 39.392 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.79 | 162 | 79158  | 45.176 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 11.01 | 180 | 78285  | 39.164 | ng | 96     |
| 31) Naphthalene                | 11.20 | 128 | 211252 | 41.360 | ng | 95     |
| 32) Benzoic acid               | 10.42 | 122 | 10566  | 13.463 | ng | # 84   |
| 33) 4-Chloroaniline            | 11.31 | 127 | 38509  | 17.998 | ng | 92     |
| 34) Hexachlorobutadiene        | 11.47 | 225 | 52695  | 35.791 | ng | 98     |
| 35) Caprolactam                | 12.08 | 113 | 35503  | 56.503 | ng | 89     |
| 36) 4-Chloro-3-methylphenol    | 12.41 | 107 | 106904 | 46.880 | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.78 | 142 | 170149 | 44.619 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.14 | 216 | 113200 | 32.674 | ng | 97     |
| 40) Hexachlorocyclopentadiene  | 13.11 | 237 | 90901  | 68.723 | ng | 97     |

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 BNA\_G  
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Quant Time: Sep 15 07:53:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.39 | 196  | 85413    | 38.843 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.47 | 196  | 97211    | 43.996 | ng    | # 93     |
| 45) 1,1'-Biphenyl              | 13.77 | 154  | 245162   | 35.141 | ng    | 94       |
| 46) 2-Chloronaphthalene        | 13.82 | 162  | 189955   | 37.330 | ng    | 99       |
| 47) 2-Nitroaniline             | 14.03 | 65   | 85459    | 45.189 | ng    | 89       |
| 48) Acenaphthylene             | 14.67 | 152  | 326131   | 40.117 | ng    | 98       |
| 49) Dimethylphthalate          | 14.38 | 163  | 306527   | 43.382 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.51 | 165  | 72379    | 46.036 | ng    | # 74     |
| 51) Acenaphthene               | 15.00 | 154  | 195228   | 39.532 | ng    | 90       |
| 52) 3-Nitroaniline             | 14.85 | 138  | 36551    | 26.289 | ng    | 83       |
| 53) 2,4-Dinitrophenol          | 15.07 | 184  | 10384    | 19.282 | ng    | 89       |
| 54) Dibenzofuran               | 15.34 | 168  | 357387   | 45.380 | ng    | 95       |
| 55) 4-Nitrophenol              | 15.16 | 139  | 90434    | 88.780 | ng    | # 83     |
| 56) 2,4-Dinitrotoluene         | 15.31 | 165  | 106272   | 48.073 | ng    | # 89     |
| 57) Fluorene                   | 15.99 | 166  | 315097   | 44.816 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.56 | 232  | 99999    | 51.351 | ng    | 94       |
| 59) Diethylphthalate           | 15.73 | 149  | 336164   | 46.296 | ng    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.96 | 204  | 178056   | 44.475 | ng    | 88       |
| 61) 4-Nitroaniline             | 16.02 | 138  | 72090    | 48.943 | ng    | # 80     |
| 62) Azobenzene                 | 16.26 | 77   | 301276   | 49.334 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 16.07 | 198  | 23153    | 13.825 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 16.18 | 169  | 286889   | 38.559 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.86 | 248  | 127793   | 38.266 | ng    | 95       |
| 67) Hexachlorobenzene          | 17.00 | 284  | 140381   | 36.933 | ng    | # 81     |
| 68) Atrazine                   | 17.13 | 200  | 130074   | 40.717 | ng    | 97       |
| 69) Pentachlorophenol          | 17.35 | 266  | 79406    | 46.237 | ng    | 98       |
| 70) Phenanthrene               | 17.73 | 178  | 554958   | 41.813 | ng    | 95       |
| 71) Anthracene                 | 17.83 | 178  | 566648   | 42.264 | ng    | 97       |
| 72) Carbazole                  | 18.10 | 167  | 486640   | 40.301 | ng    | 95       |
| 73) Di-n-butylphthalate        | 18.62 | 149  | 588392   | 39.740 | ng    | # 94     |
| 74) Fluoranthene               | 19.73 | 202  | 687387   | 42.416 | ng    | 93       |
| 76) Benzidine                  | 19.91 | 184  | 202862   | 26.912 | ng    | 97       |
| 77) Pyrene                     | 20.09 | 202  | 706933   | 42.163 | ng    | 95       |
| 79) Butylbenzylphthalate       | 20.96 | 149  | 265552   | 39.216 | ng    | 92       |
| 80) Benzo(a)anthracene         | 22.00 | 228  | 729225   | 41.677 | ng    | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.90 | 252  | 164904   | 23.245 | ng    | 97       |
| 82) Chrysene                   | 22.07 | 228  | 682087   | 41.085 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.85 | 149  | 379964   | 39.469 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 23.15 | 149  | 655810   | 38.990 | ng    | # 88     |
| 85) Indeno(1,2,3-cd)pyrene     | 29.56 | 276  | 868730   | 40.726 | ng    | # 96     |
| 87) Benzo(b)fluoranthene       | 24.40 | 252  | 730521   | 40.568 | ng    | 99       |
| 88) Benzo(k)fluoranthene       | 24.47 | 252  | 728168   | 40.482 | ng    | 95       |
| 89) Benzo(a)pyrene             | 25.35 | 252  | 713111   | 41.720 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.60 | 278  | 725494   | 40.712 | ng    | # 96     |
| 91) Benzo(g,h,i)perylene       | 30.81 | 276  | 715341   | 41.141 | ng    | 98       |

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



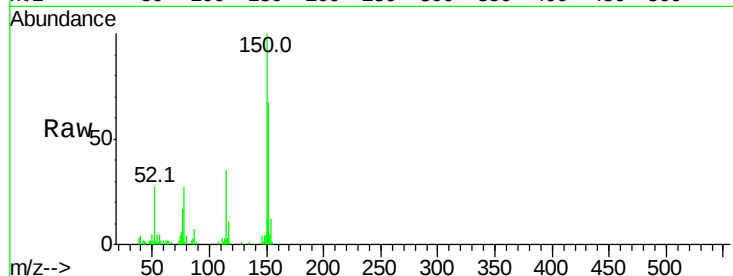


#1

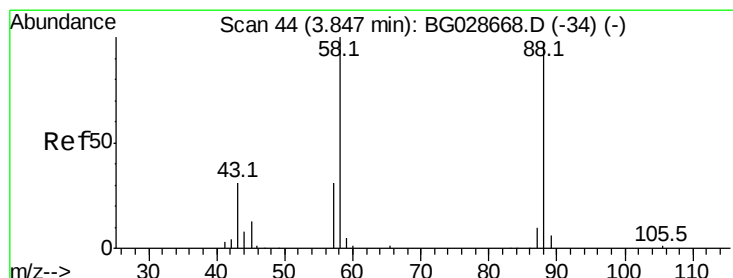
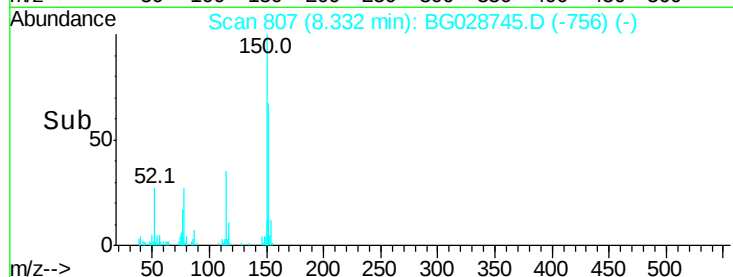
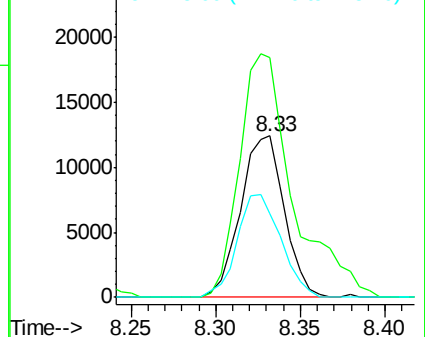
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.33 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 22275  
Ion Ratio Lower Upper  
152 100  
150 148.6 114.0 171.0  
115 52.1 48.1 72.1



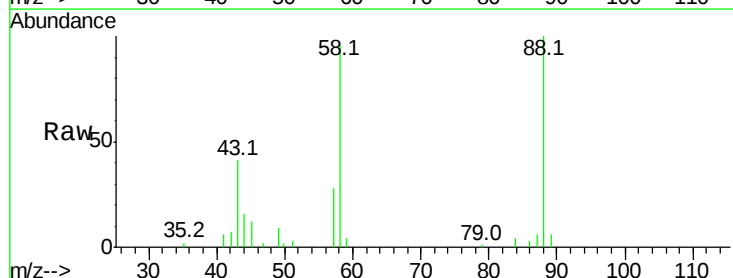
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



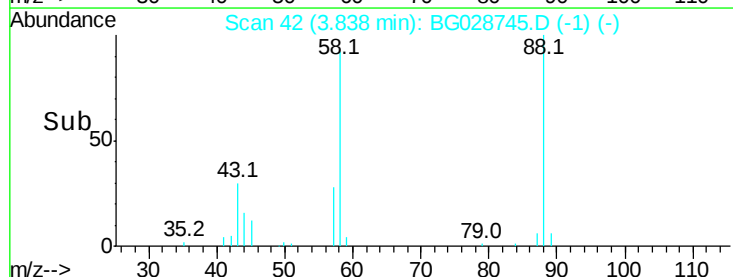
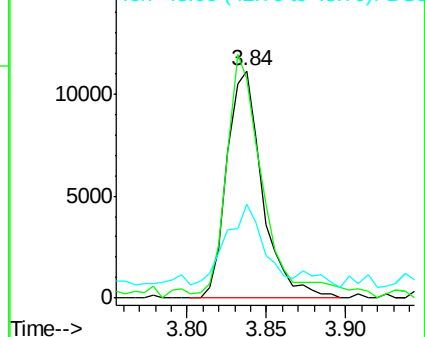
#2

1,4-Dioxane  
Concen: 31.505 ng  
RT: 3.84 min Scan# 42  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion: 88 Resp: 17223  
Ion Ratio Lower Upper  
88 100  
58 112.4 79.4 119.2  
43 37.9 33.8 50.6



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





#3

Pvridine

Concen: 33.878 ng

RT: 4.23 min Scan# 108

Delta R.T. -0.02 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

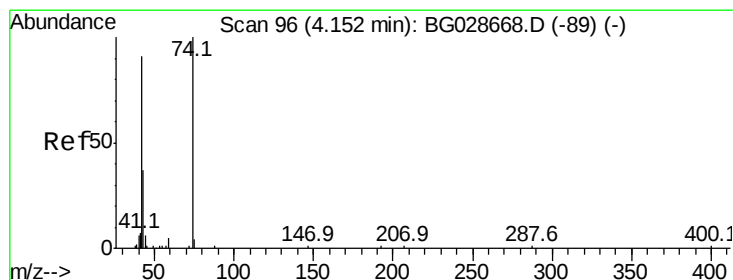
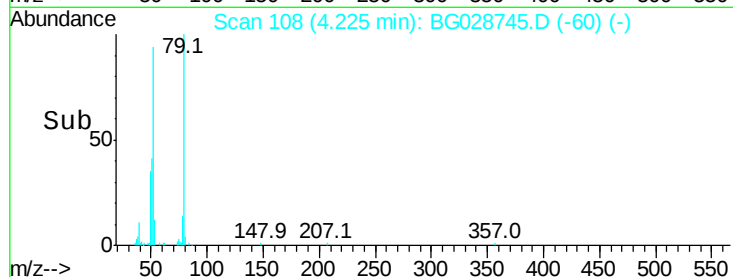
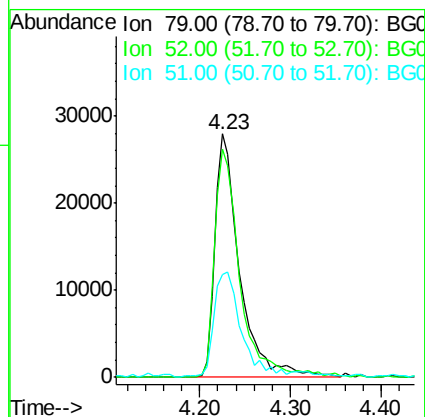
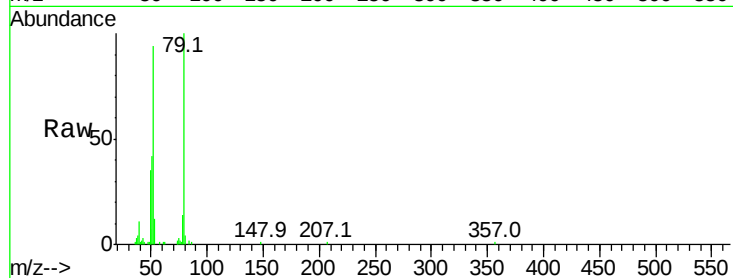
Tot Ion: 79 Resp: 52831

Ion Ratio Lower Upper

79 100

52 93.6 77.8 116.6

51 42.1 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 40.317 ng

RT: 4.14 min Scan# 94

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

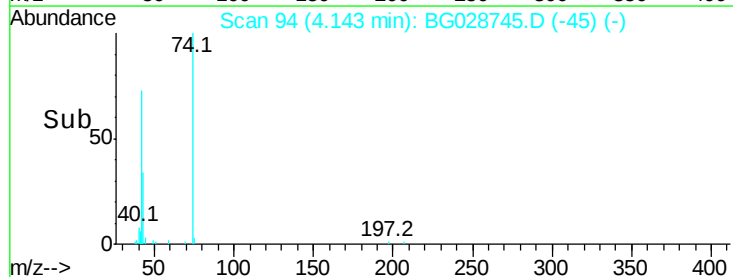
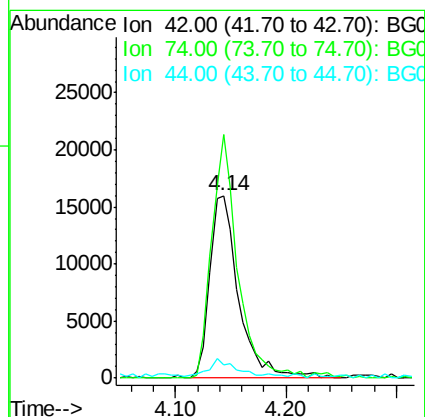
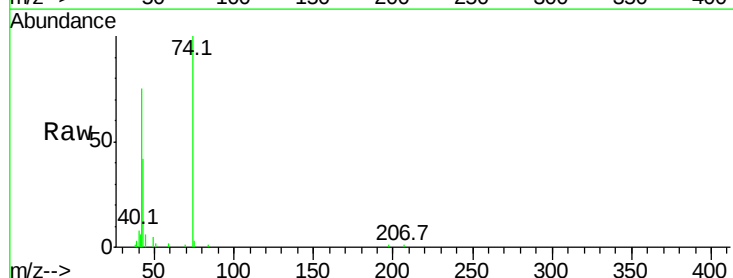
Tgt Ion: 42 Resp: 28600

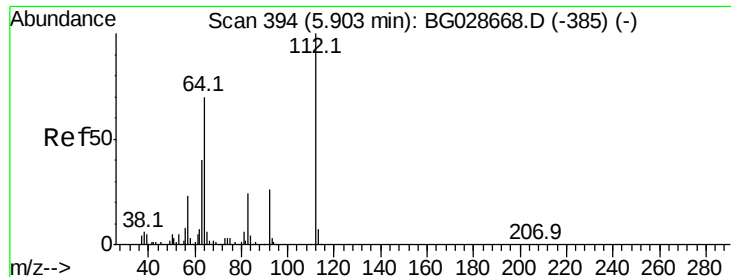
Ion Ratio Lower Upper

42 100

74 133.3 76.7 115.1#

44 7.4 6.1 9.1





#5

2-Fluorophenol

Concen: 97.667 ng

RT: 5.90 min Scan# 393

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampled :

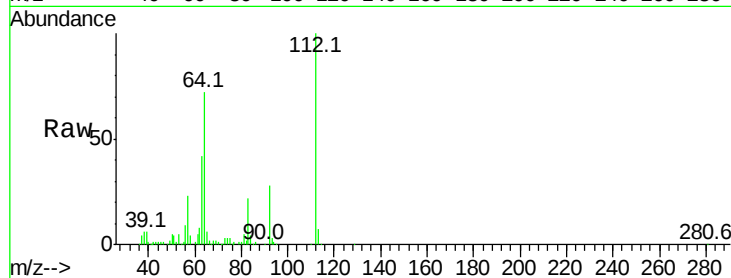
Tot Ion:112 Resp: 131846

Ion Ratio Lower Upper

112 100

64 71.6 61.8 92.6

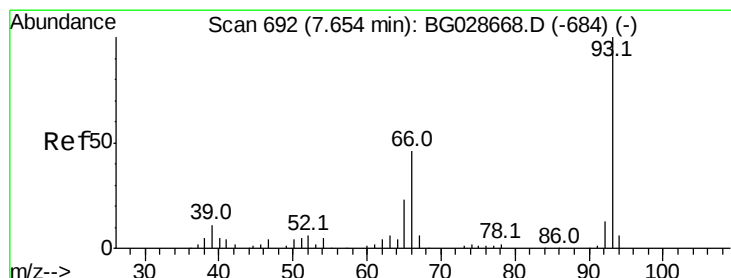
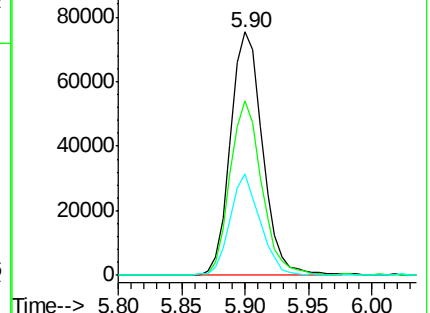
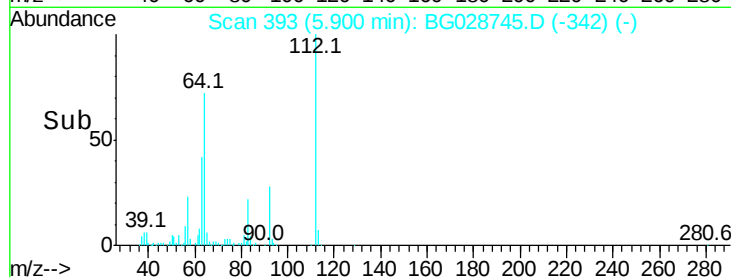
63 41.5 37.2 55.8



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: 23.637 ng

RT: 7.65 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

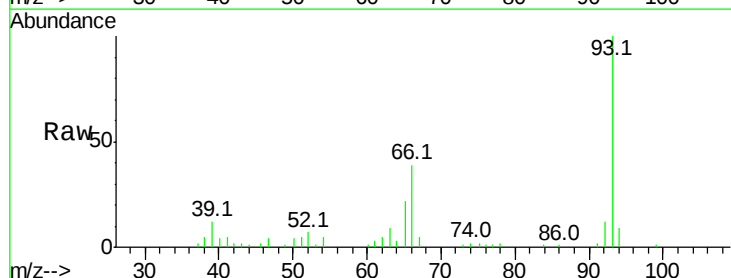
Tgt Ion: 93 Resp: 55914

Ion Ratio Lower Upper

93 100

66 38.9 35.4 53.2

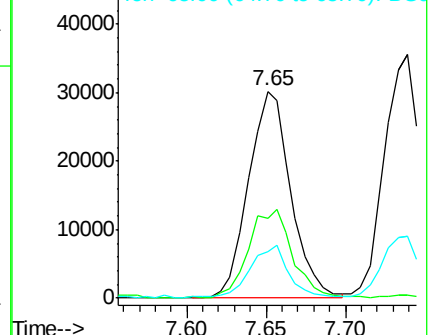
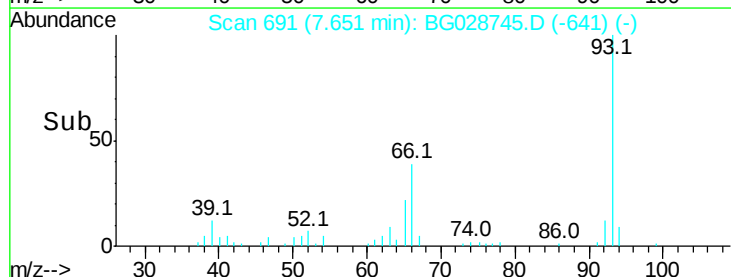
65 22.4 21.2 31.8

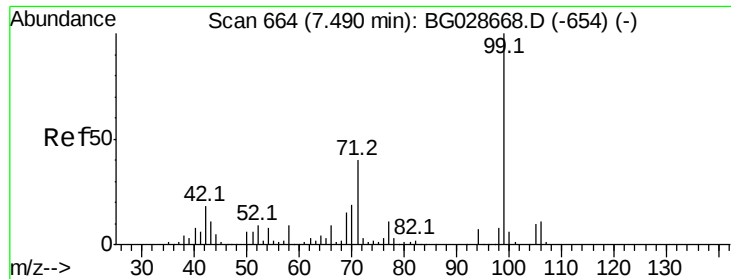


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 94.414 ng

RT: 7.48 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

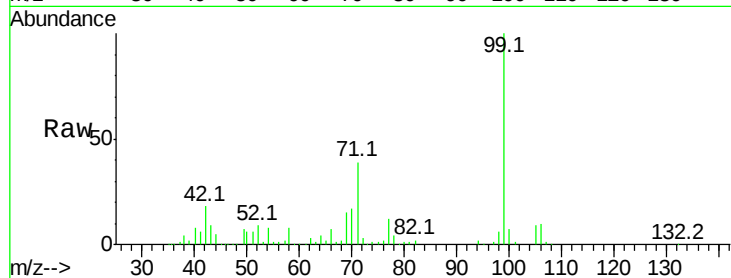
Tot Ion: 99 Resp: 191900

Ion Ratio Lower Upper

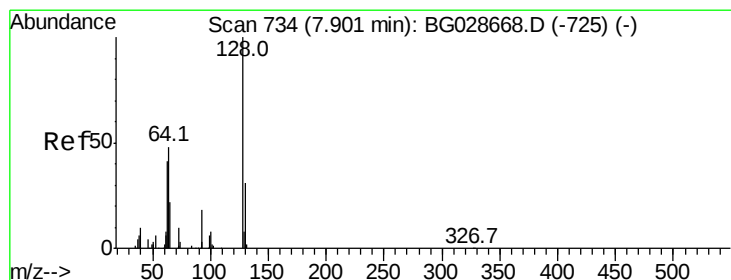
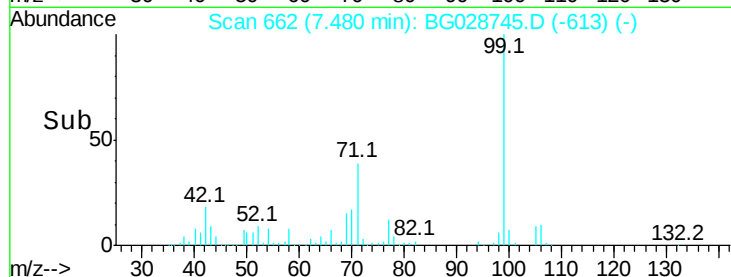
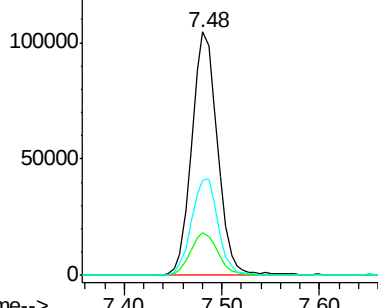
99 100

42 17.6 20.5 30.7#

71 39.0 37.6 56.4



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



#8

2-Chlorophenol

Concen: 44.198 ng

RT: 7.90 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

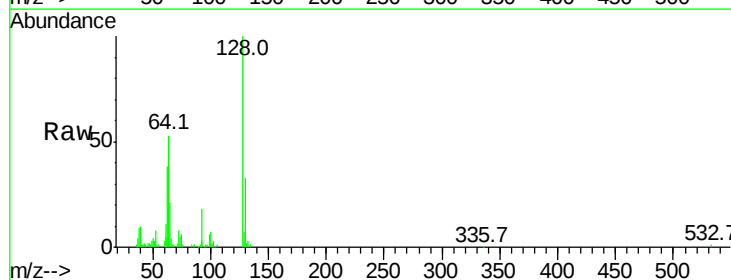
Tgt Ion:128 Resp: 66513

Ion Ratio Lower Upper

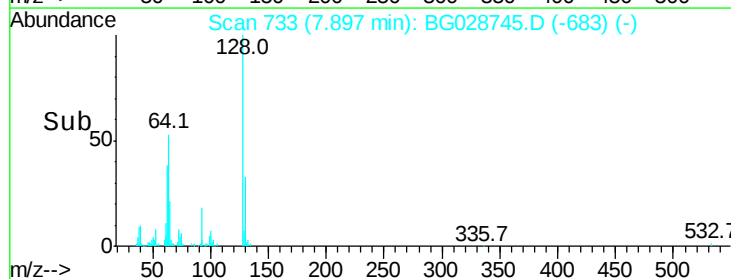
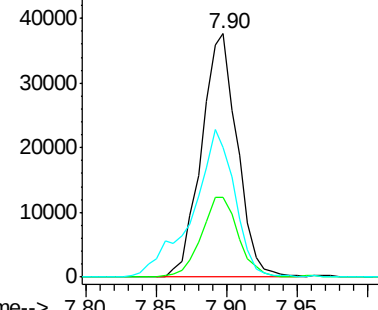
128 100

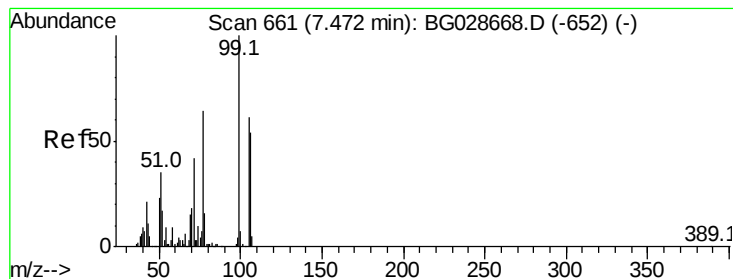
130 32.6 11.4 51.4

64 53.2 46.6 86.6



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





#9

Benzaldehyde

Concen: 27.910 ng

RT: 7.47 min Scan# 660

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampled :

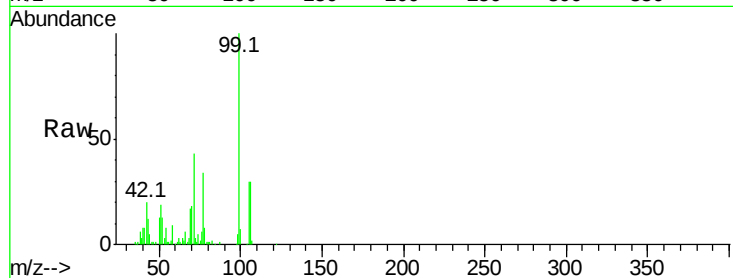
Tot Ion: 77 Resp: 35195

Ion Ratio Lower Upper

77 100

105 87.9 60.9 100.9

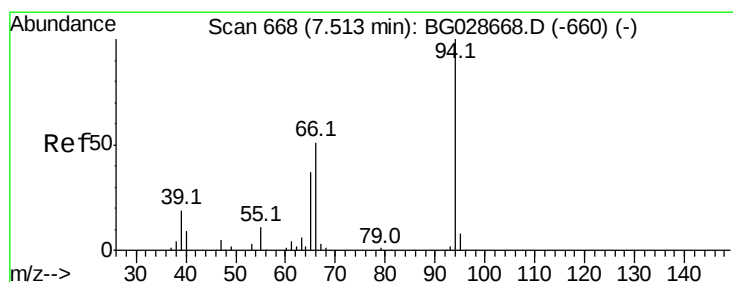
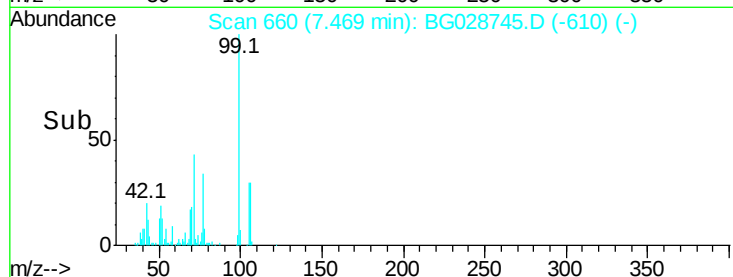
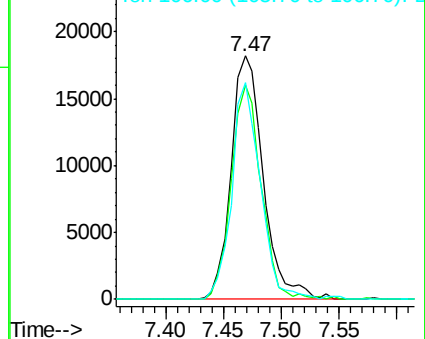
106 89.1 55.1 95.1



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 44.870 ng

RT: 7.51 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

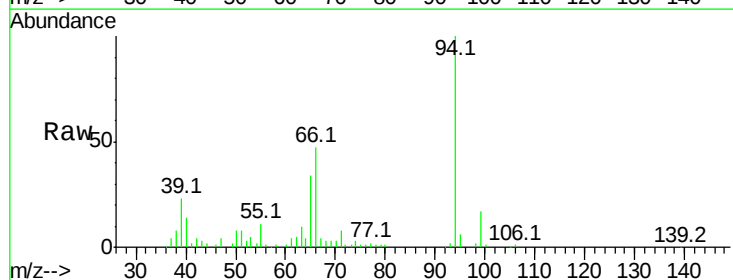
Tgt Ion: 94 Resp: 96249

Ion Ratio Lower Upper

94 100

65 34.2 20.6 60.6

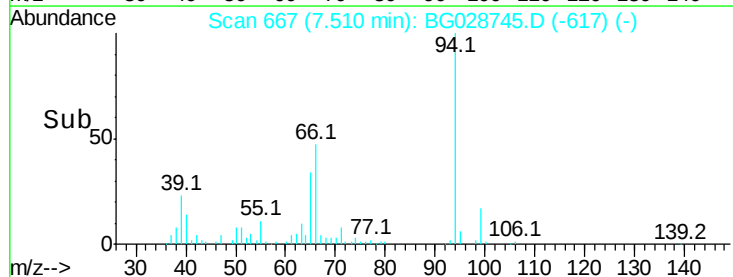
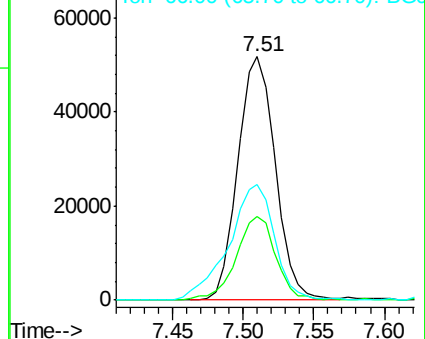
66 47.3 35.5 75.5

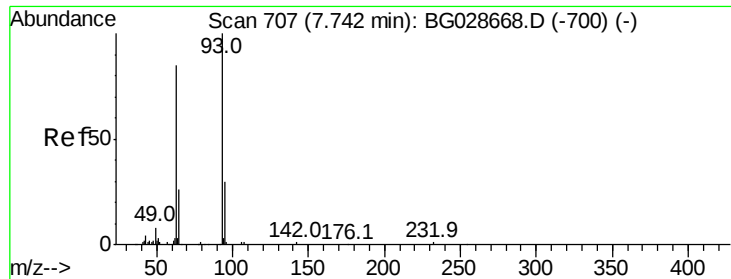


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 38.106 ng

RT: 7.74 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

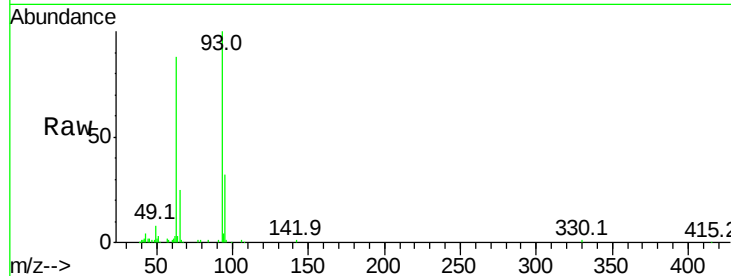
Tot Ion: 93 Resp: 58685

Ion Ratio Lower Upper

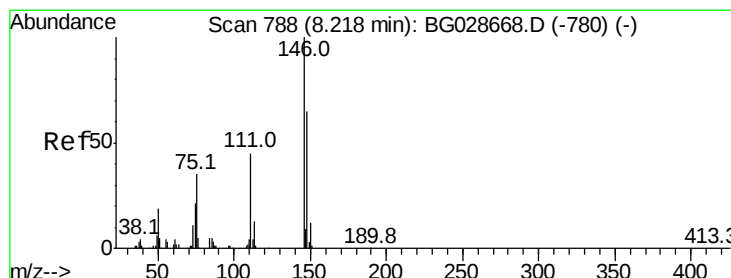
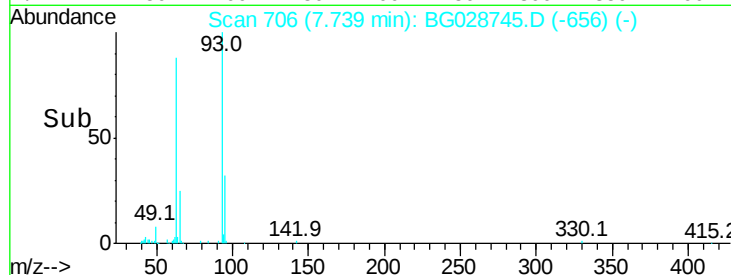
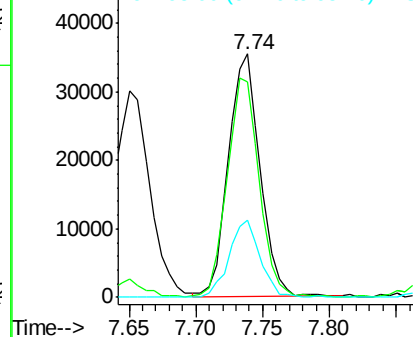
93 100

63 88.5 78.5 118.5

95 31.6 9.8 49.8



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: 39.364 ng

RT: 8.21 min Scan# 787

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

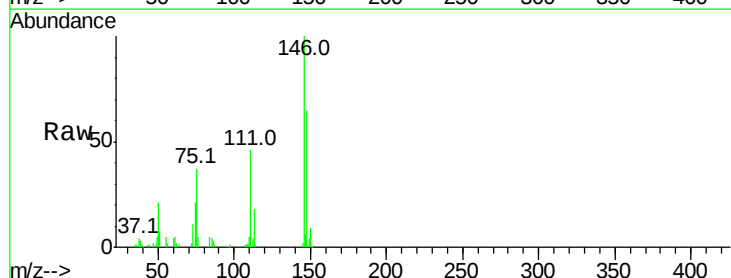
Tgt Ion: 146 Resp: 63789

Ion Ratio Lower Upper

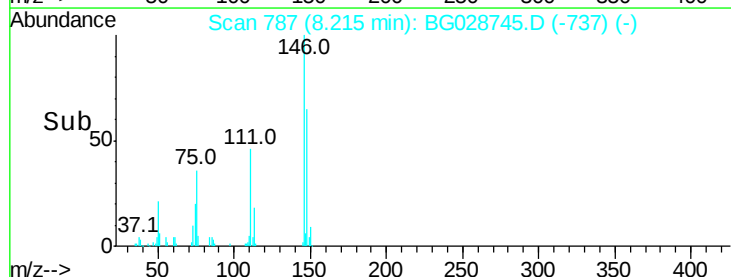
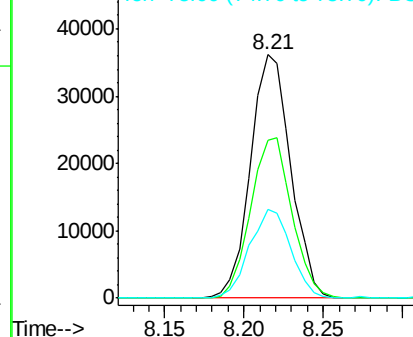
146 100

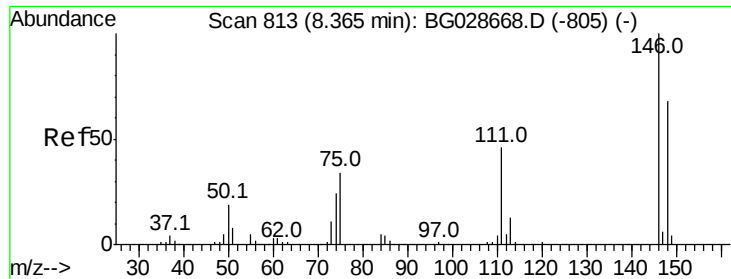
148 64.8 49.2 73.8

75 36.7 33.4 50.2



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: 38.949 ng

RT: 8.36 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

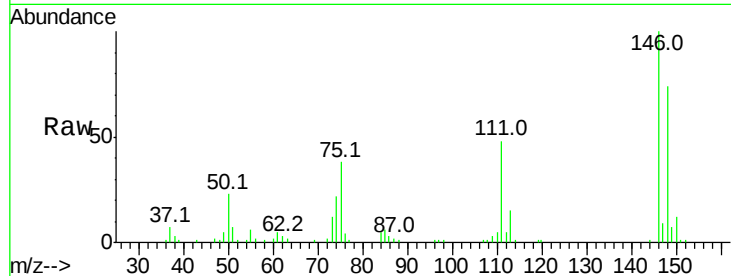
Tot Ion:146 Resp: 64900

Ion Ratio Lower Upper

146 100

148 74.2 52.2 78.2

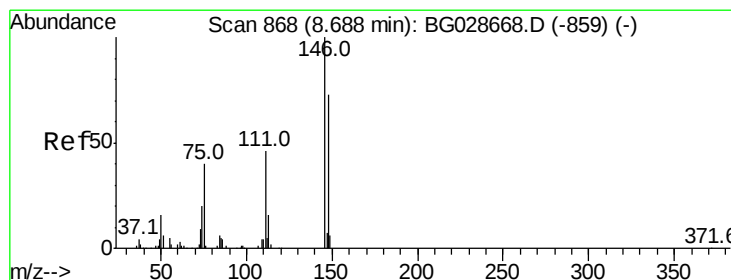
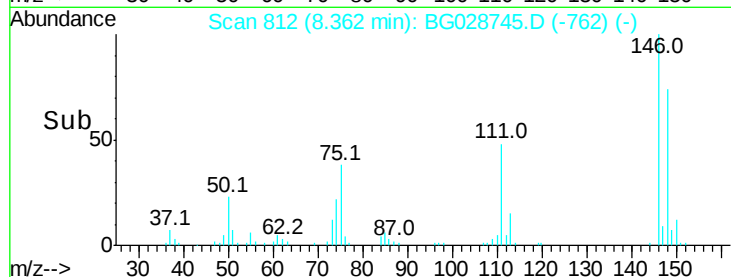
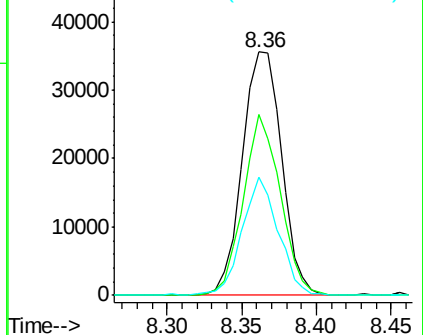
111 48.4 37.0 55.6



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: 38.552 ng

RT: 8.68 min Scan# 867

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

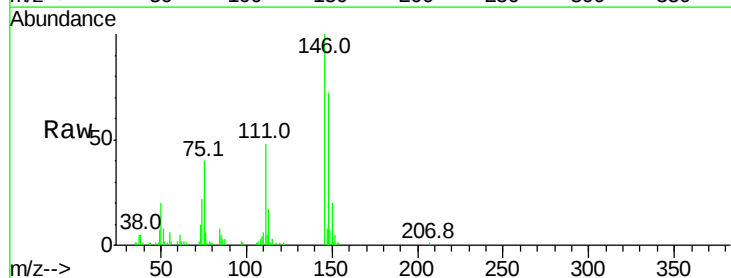
Tgt Ion:146 Resp: 63464

Ion Ratio Lower Upper

146 100

148 71.9 54.6 81.8

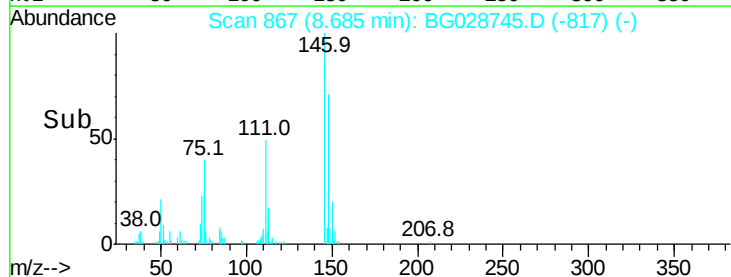
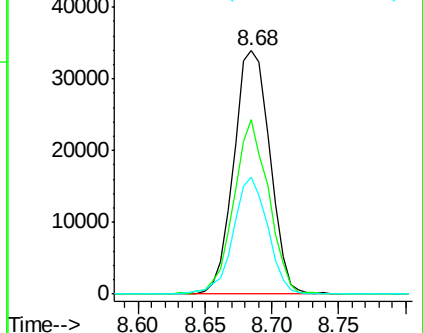
111 48.1 39.7 59.5



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: 44.735 ng

RT: 8.56 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampled :

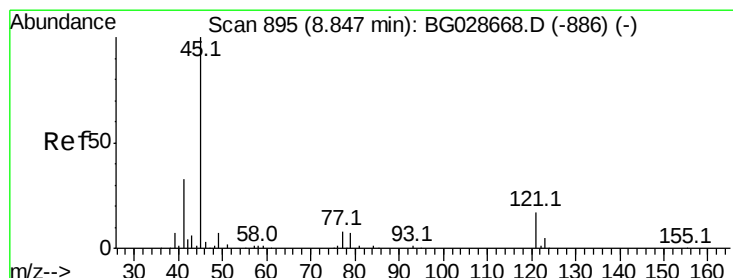
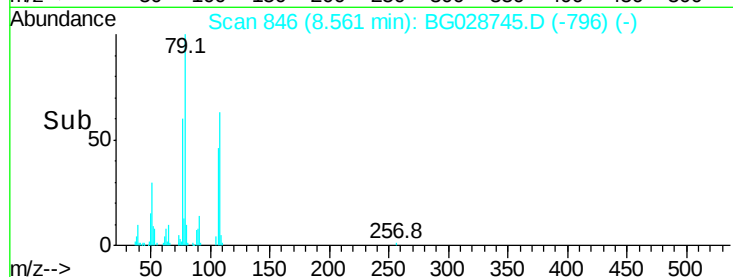
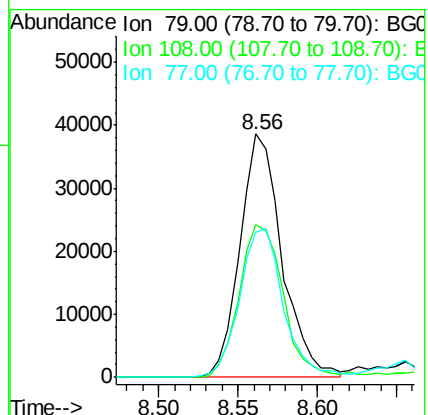
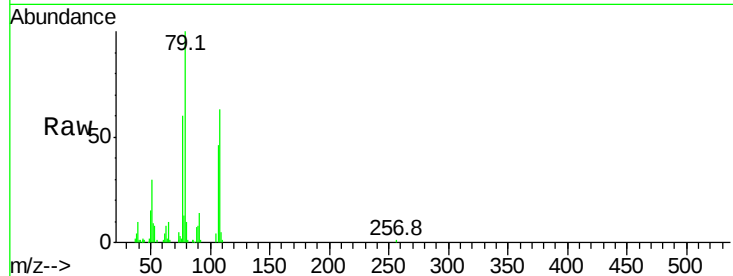
Tot Ion: 79 Resp: 70980

Ion Ratio Lower Upper

79 100

108 62.7 45.5 68.3

77 59.7 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.610 ng

RT: 8.84 min Scan# 894

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

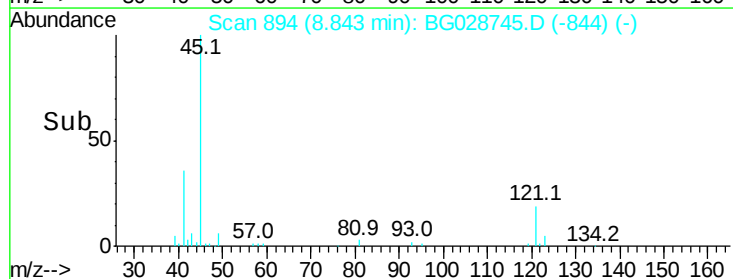
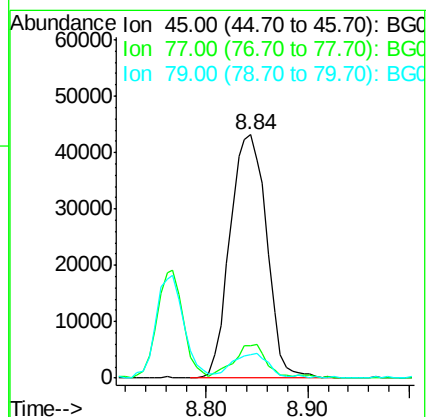
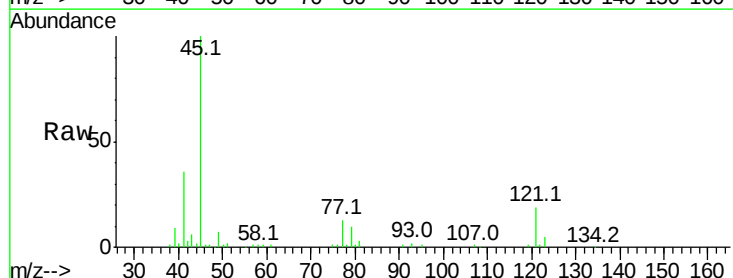
Tgt Ion: 45 Resp: 108068

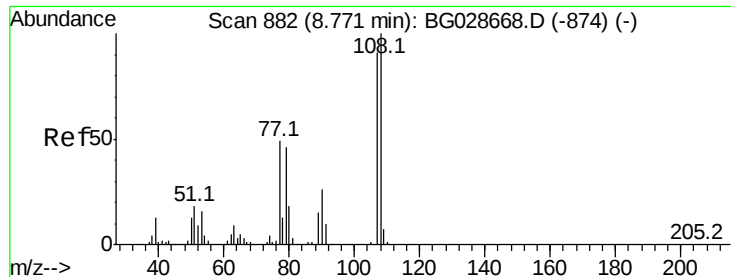
Ion Ratio Lower Upper

45 100

77 13.5 0.0 30.6

79 9.5 0.0 28.5

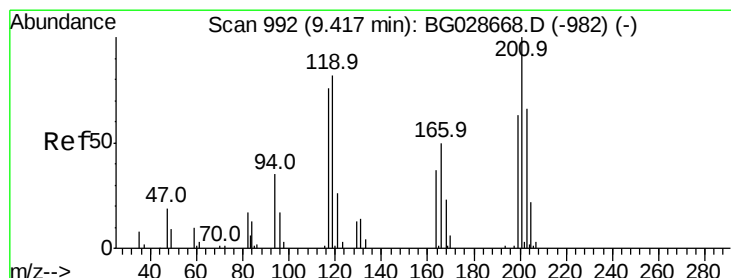
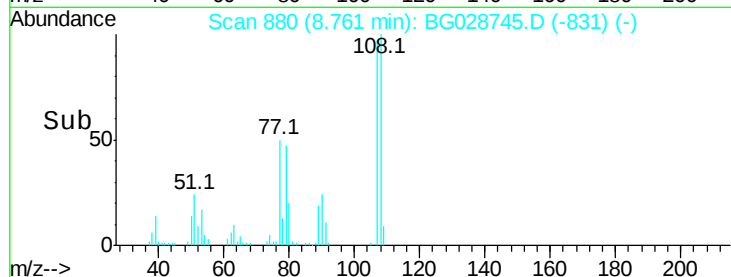
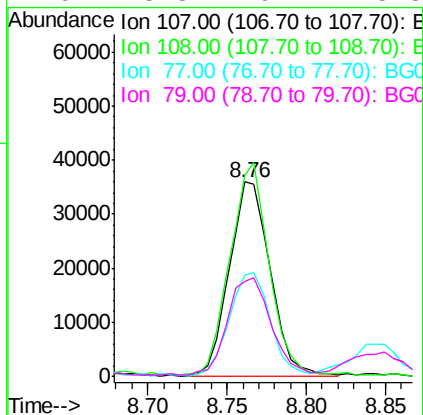
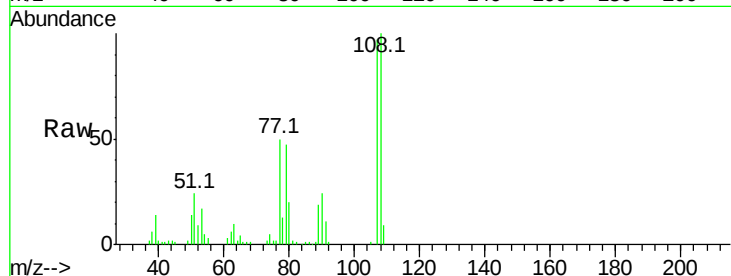




#17  
2-Methylphenol  
Concen: 45.950 ng  
RT: 8.76 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

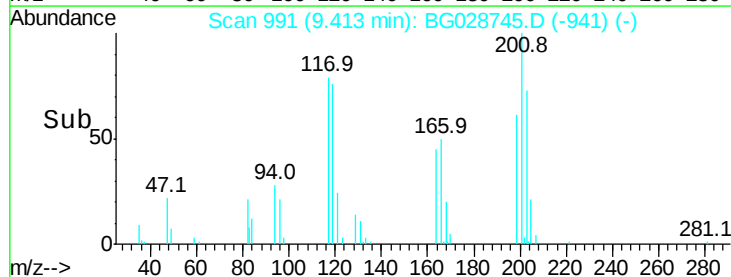
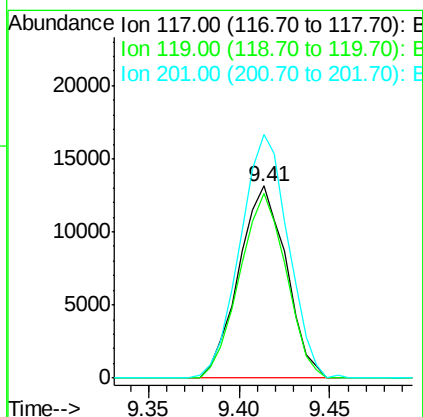
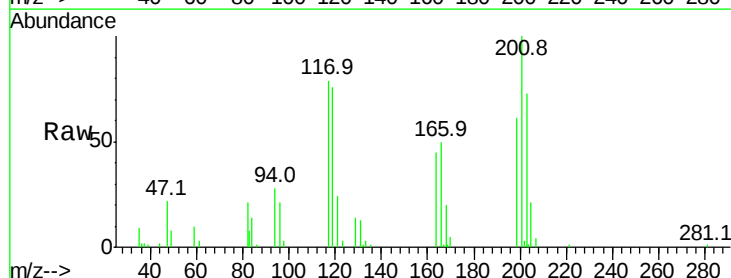
Instrument :  
BNA\_G  
ClientSampled :

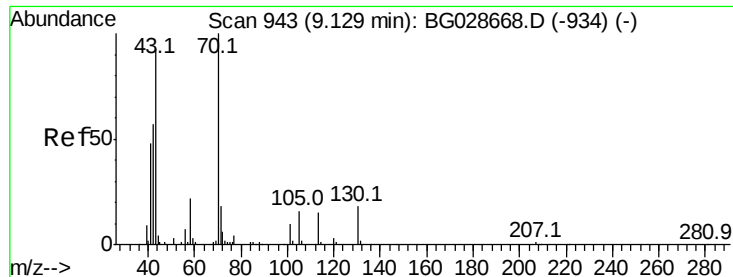
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 103.3 | 85.6  | 128.4 |
| 77      | 52.1  | 51.4  | 77.2  |
| 79      | 48.8  | 49.2  | 73.8  |



#18  
Hexachloroethane  
Concen: 39.155 ng  
RT: 9.41 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 69.8  | 104.6 |
| 201     | 126.8 | 95.4  | 143.0 |

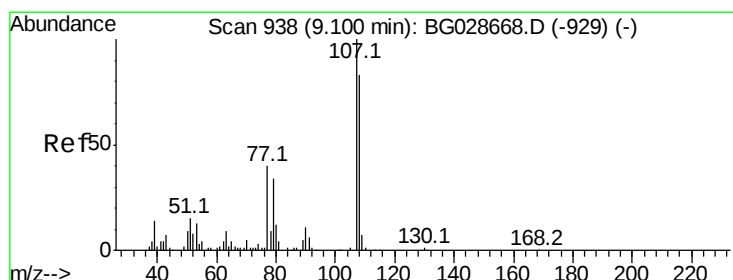
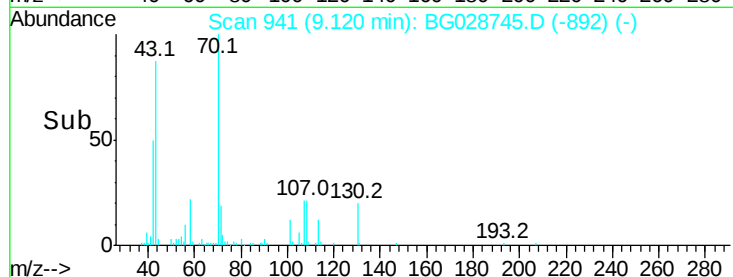
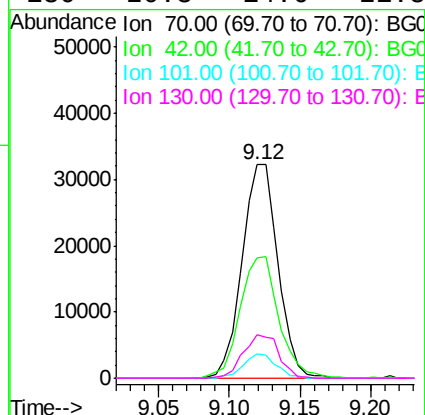
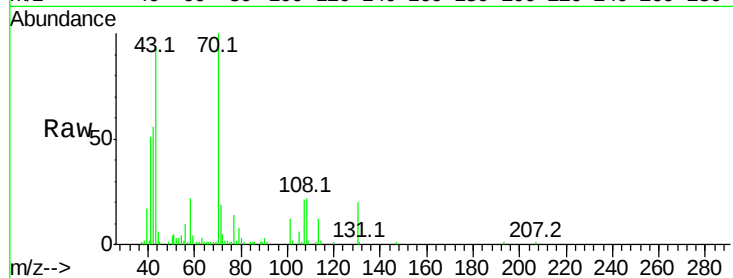




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.670 ng  
RT: 9.12 min Scan# 941  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

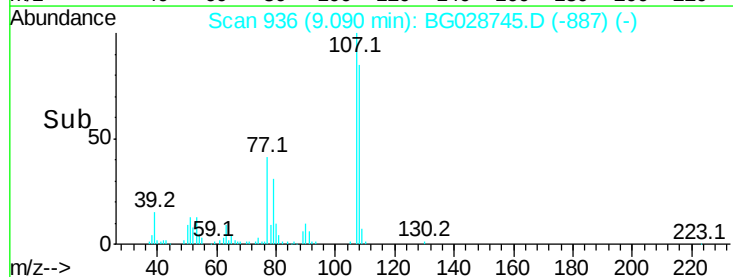
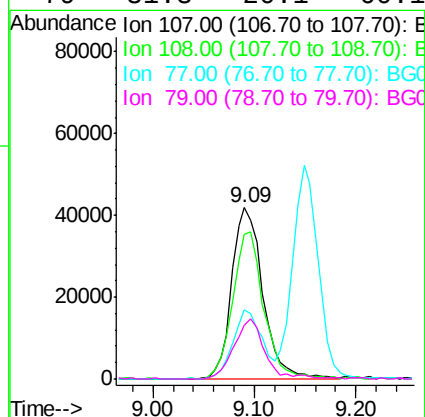
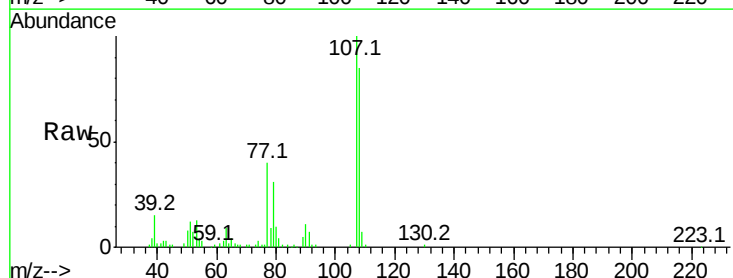
Instrument :  
BNA\_G  
ClientSampled :

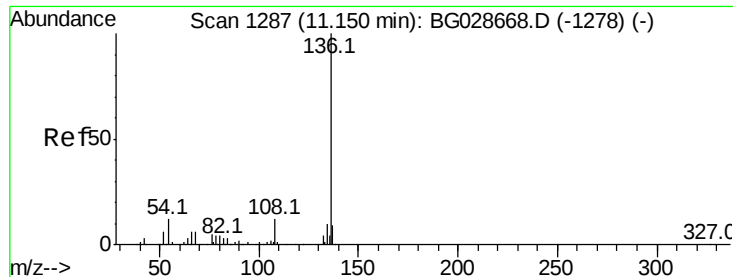
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 56.3  | 56.1  | 84.1  |
| 101     | 11.6  | 7.5   | 11.3# |
| 130     | 20.3  | 14.6  | 21.8  |



#20  
3+4-Methylphenols  
Concen: 45.633 ng  
RT: 9.09 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 84.7  | 70.8  | 110.8 |
| 77      | 40.3  | 25.8  | 65.8  |
| 79      | 31.3  | 20.1  | 60.1  |

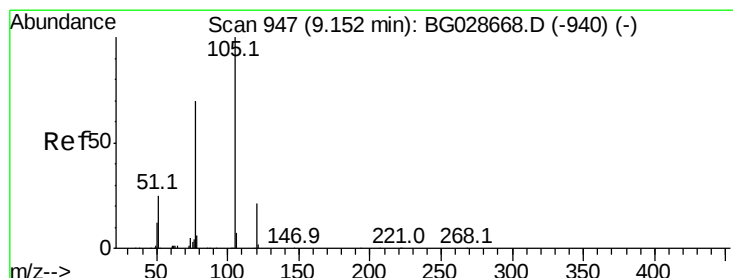
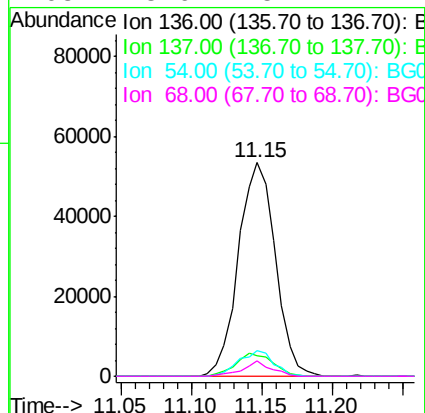
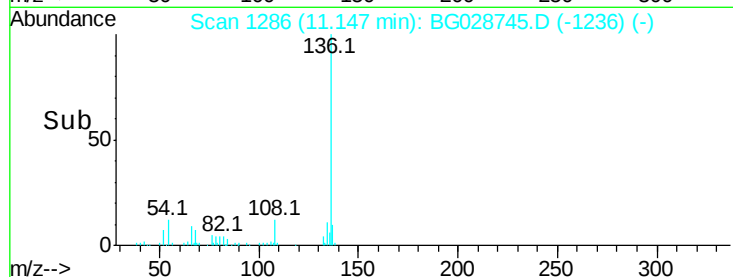
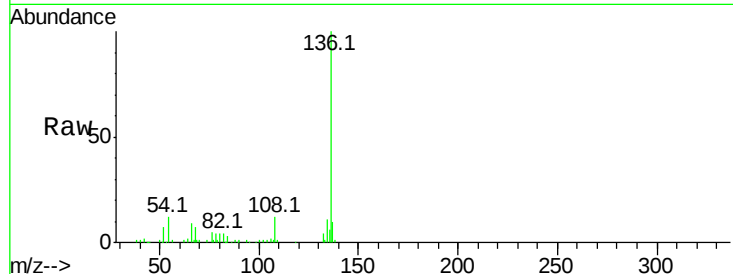




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.15 min Scan# 1286  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

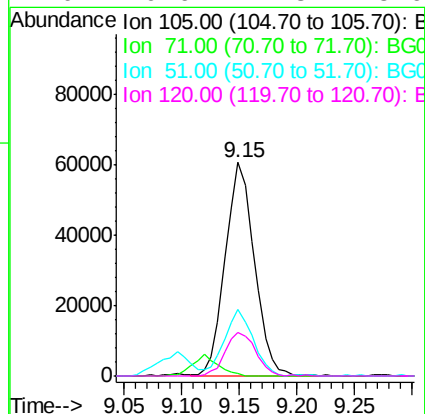
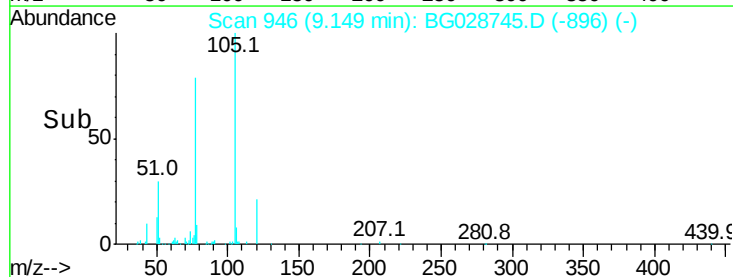
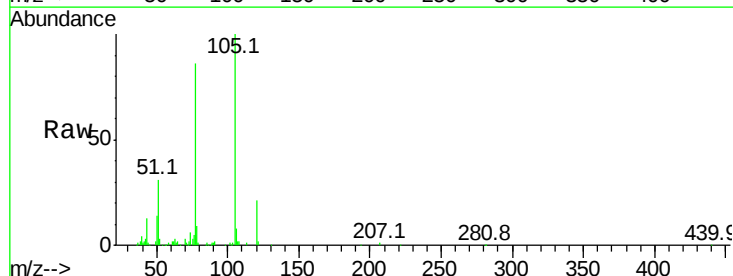
Instrument :  
BNA\_G  
ClientSampleId :

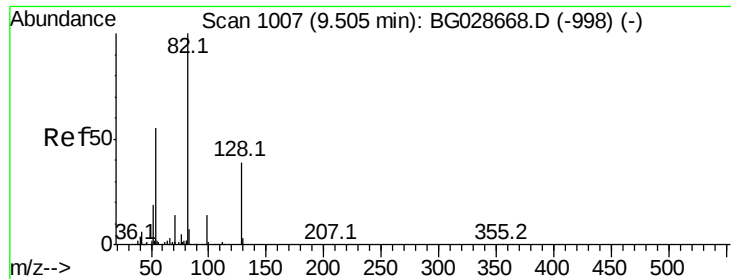
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 9.7   | 8.9   | 13.3  |
| 54      | 12.1  | 9.3   | 13.9  |
| 68      | 8.6   | 5.1   | 7.7#  |



#22  
Acetophenone  
Concen: 37.257 ng  
RT: 9.15 min Scan# 946  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 1.0   | 0.9   | 1.3   |
| 51      | 31.2  | 34.0  | 51.0# |
| 120     | 20.6  | 17.3  | 25.9  |

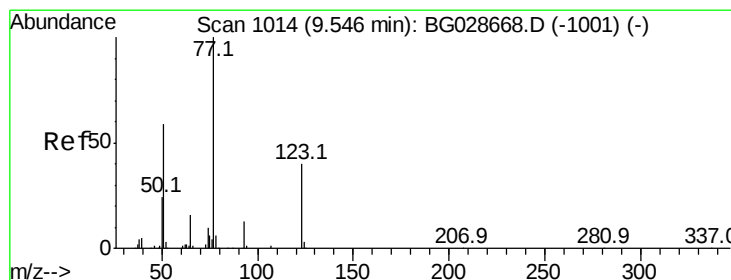
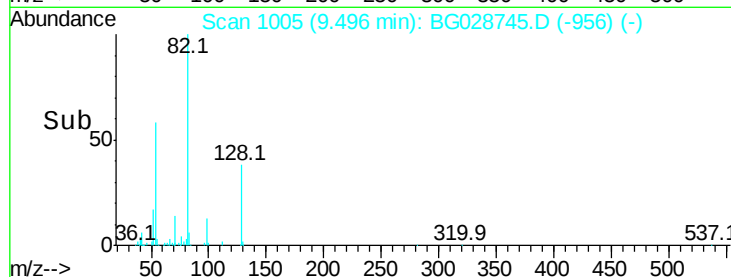
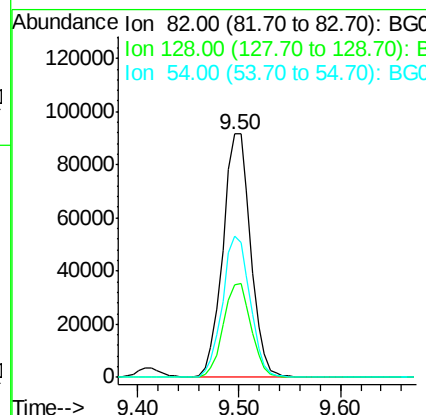
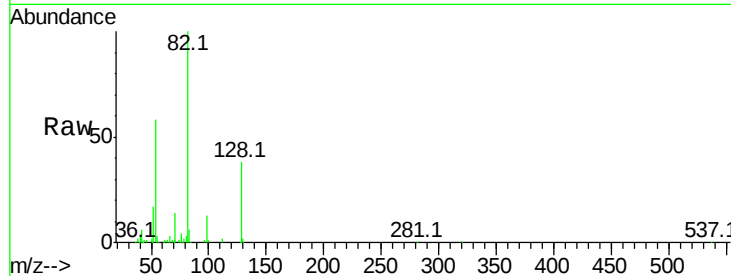




#23  
 Nitrobenzene-d5  
 Concen: 85.398 ng  
 RT: 9.50 min Scan# 1005  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

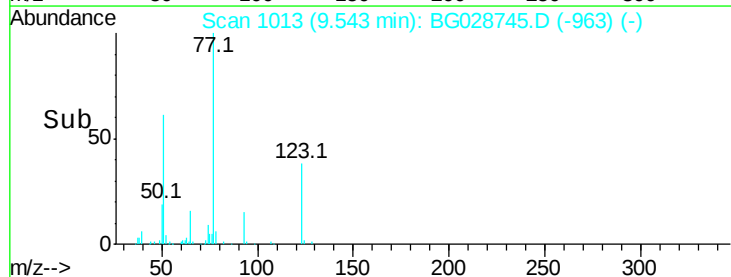
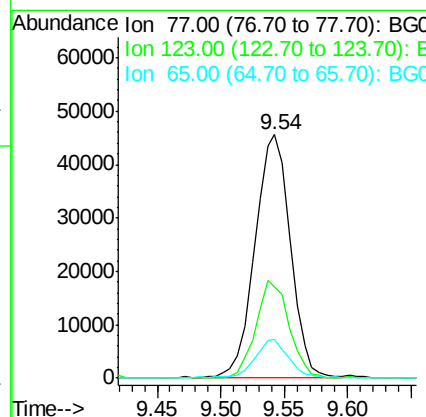
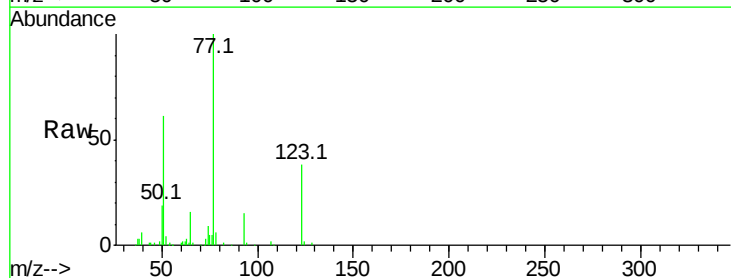
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 174580  
 Ion Ratio Lower Upper  
 82 100  
 128 38.0 26.4 39.6  
 54 58.0 49.4 74.2



#24  
 Nitrobenzene  
 Concen: 39.290 ng  
 RT: 9.54 min Scan# 1013  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Tgt Ion: 77 Resp: 88941  
 Ion Ratio Lower Upper  
 77 100  
 123 37.7 26.1 39.1  
 65 16.0 12.4 18.6





#25

Isophorone

Concen: 40.067 ng

RT: 10.05 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

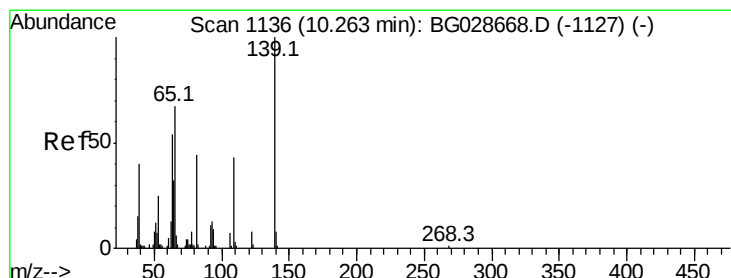
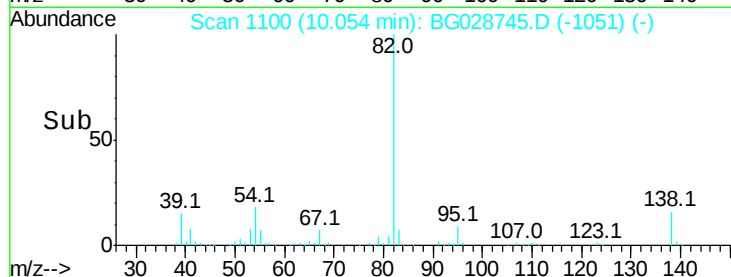
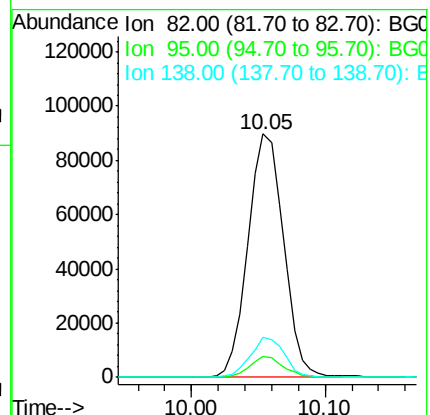
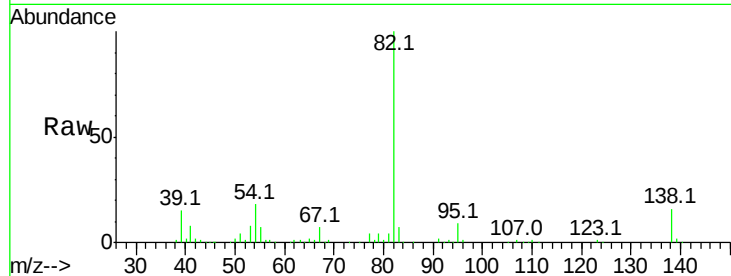
Tot Ion: 82 Resp: 165733

Ion Ratio Lower Upper

82 100

95 8.6 7.5 11.3

138 16.4 12.3 18.5



#26

2-Nitrophenol

Concen: 39.408 ng

RT: 10.25 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

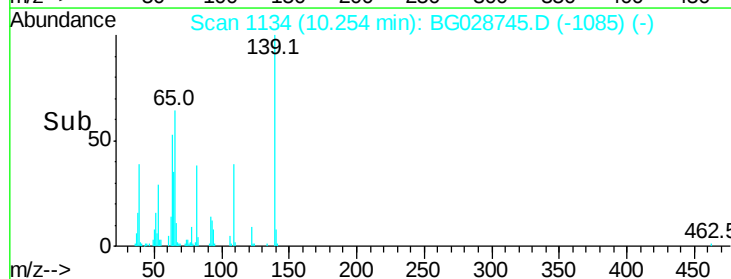
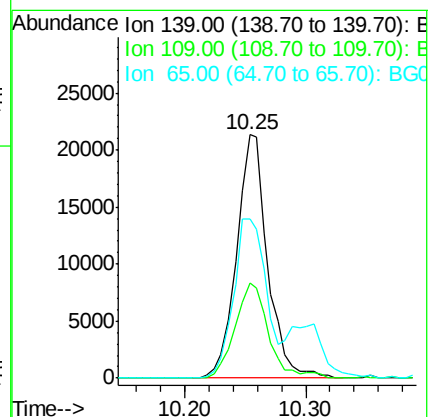
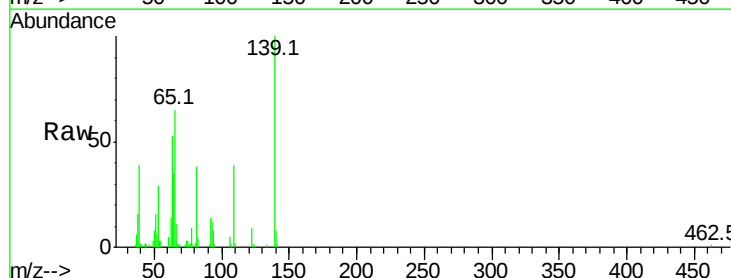
Tgt Ion: 139 Resp: 37967

Ion Ratio Lower Upper

139 100

109 39.1 38.6 58.0

65 65.2 57.1 85.7

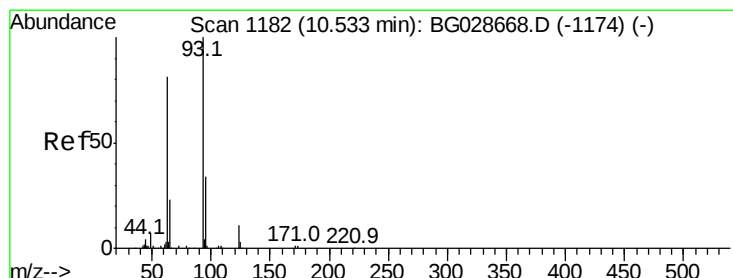
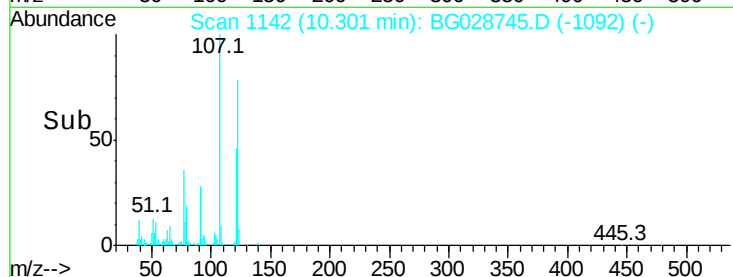
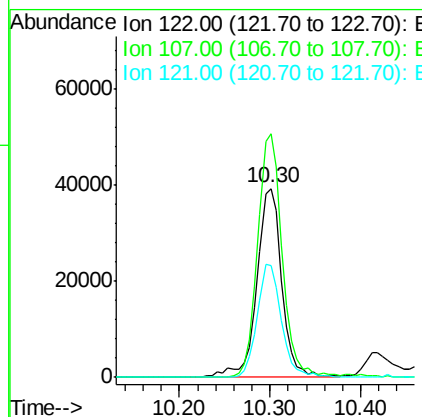
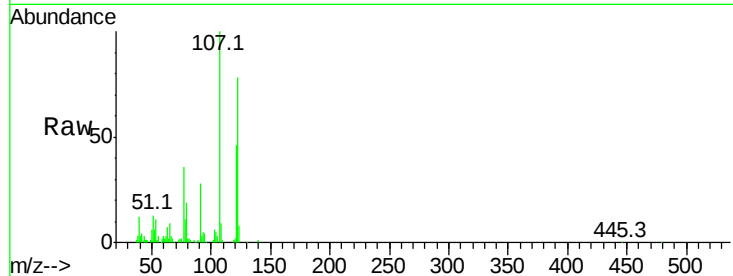




#27  
 2,4-Dimethylphenol  
 Concen: 42.753 ng  
 RT: 10.30 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

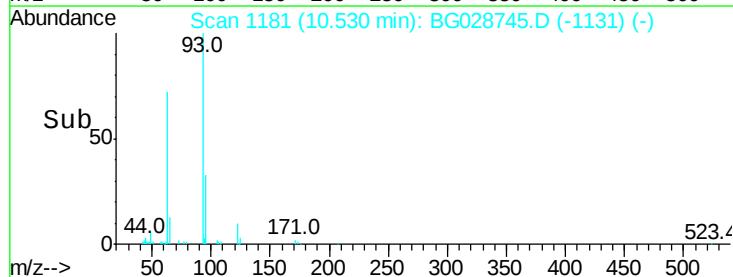
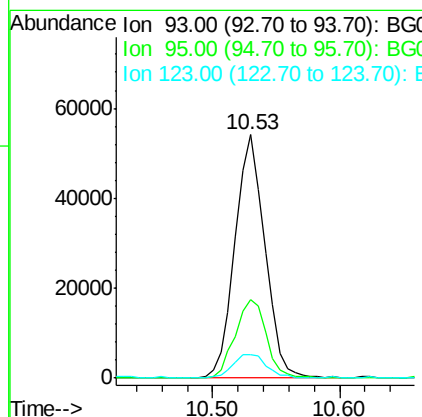
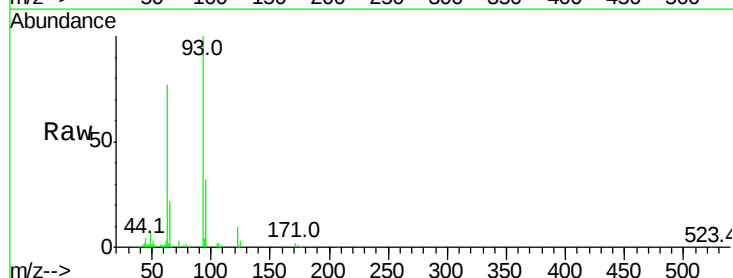
Instrument :  
 BNA\_G  
 ClientSampleId :

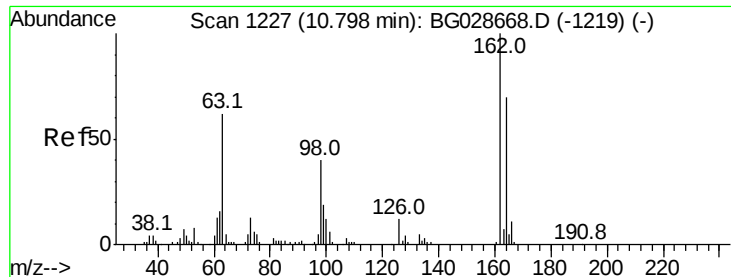
Tot Ion:122 Resp: 75291  
 Ion Ratio Lower Upper  
 122 100  
 107 129.0 104.2 156.4  
 121 59.2 46.0 69.0



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.392 ng  
 RT: 10.53 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Tgt Ion: 93 Resp: 88485  
 Ion Ratio Lower Upper  
 93 100  
 95 32.4 25.7 38.5  
 123 9.7 8.3 12.5

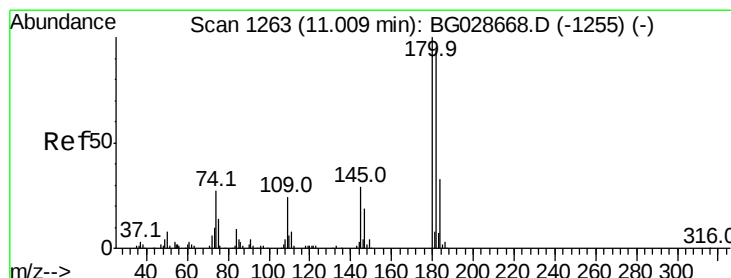
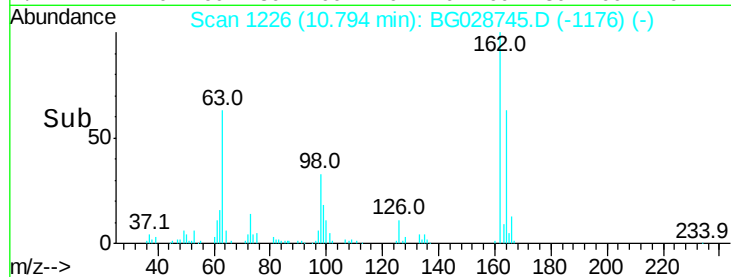
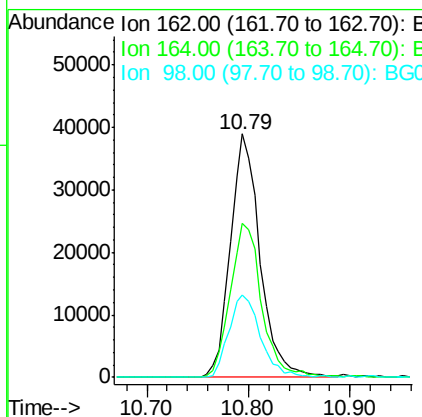
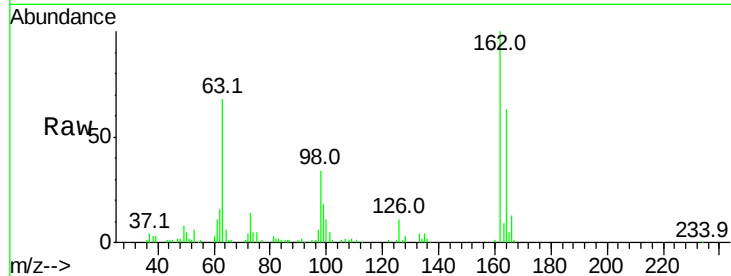




#29  
 2,4-Dichlorophenol  
 Concen: 45.176 ng  
 RT: 10.79 min Scan# 1226  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

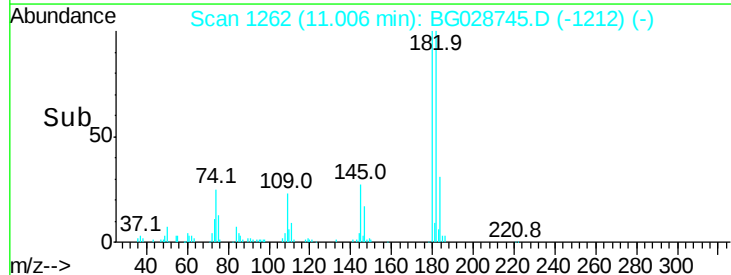
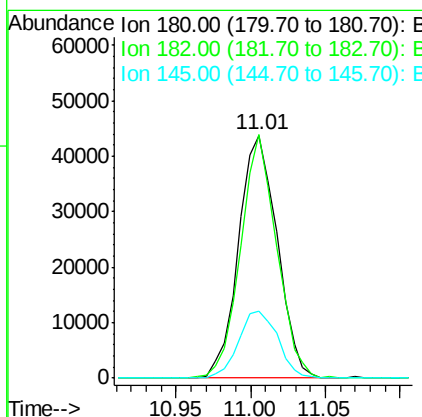
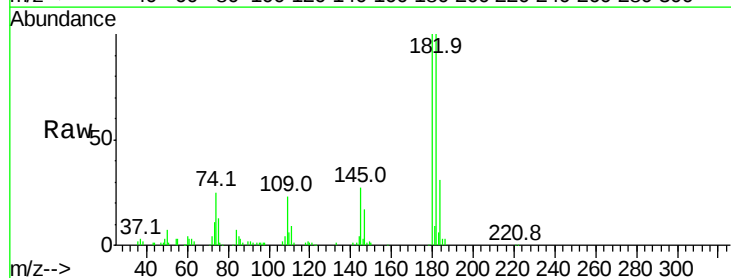
Instrument :  
 BNA\_G  
 ClientSampled :

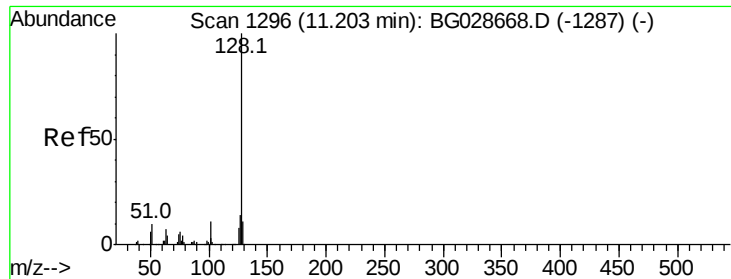
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.1  | 42.4  | 82.4  |
| 98      | 33.9  | 20.3  | 60.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.164 ng  
 RT: 11.01 min Scan# 1262  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 100.2 | 77.0  | 115.4 |
| 145     | 27.3  | 23.4  | 35.0  |

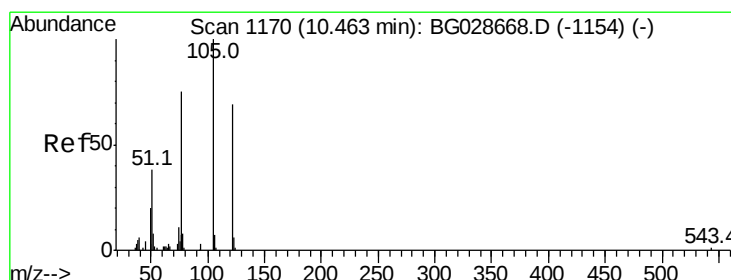
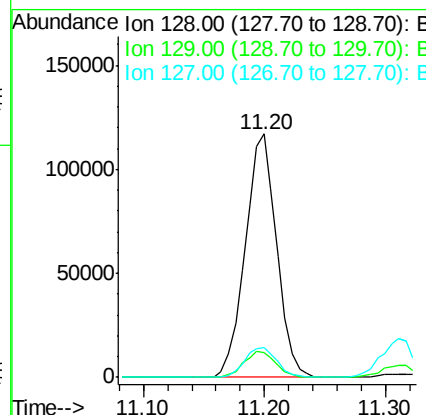
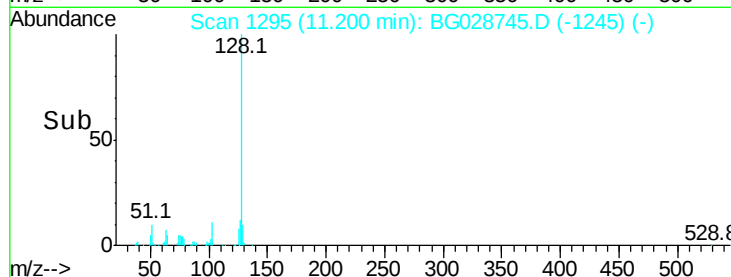
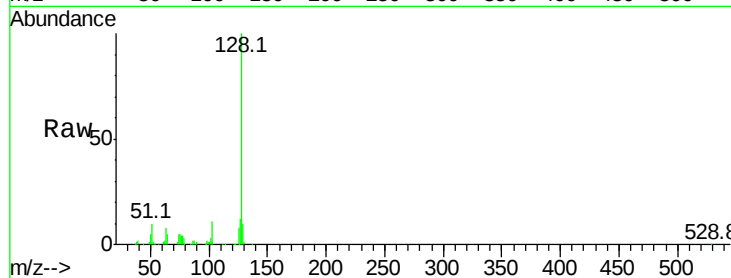




#31  
Naphthalene  
Concen: 41.360 ng  
RT: 11.20 min Scan# 1295  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

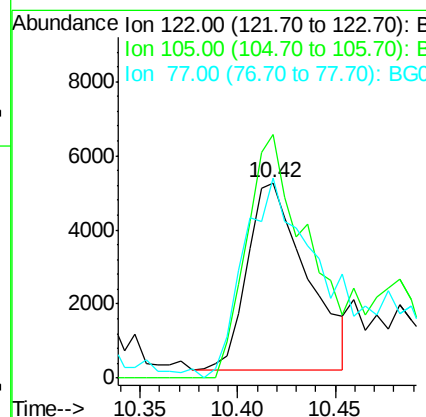
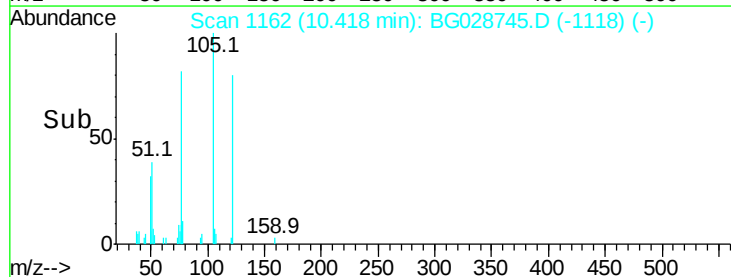
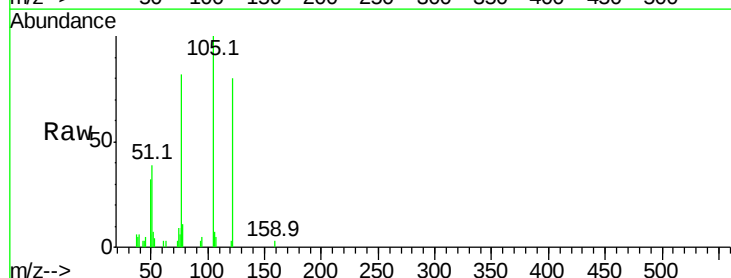
Instrument :  
BNA\_G  
ClientSampleId :

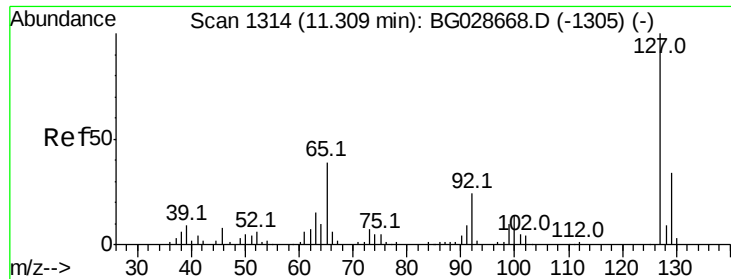
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 9.9   | 9.3   | 13.9  |
| 127     | 12.1  | 11.4  | 17.0  |



#32  
Benzoic acid  
Concen: 13.463 ng  
RT: 10.42 min Scan# 1162  
Delta R.T. -0.04 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 124.6 | 120.1 | 160.1  |
| 77      | 102.3 | 104.6 | 144.6# |

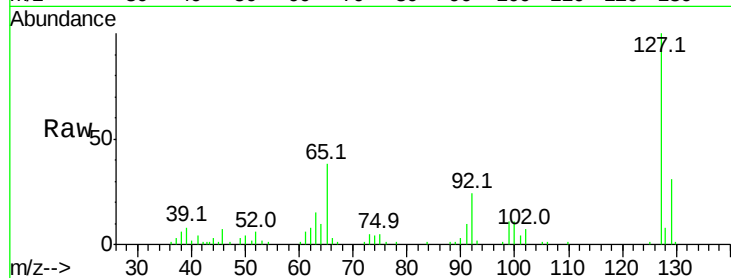




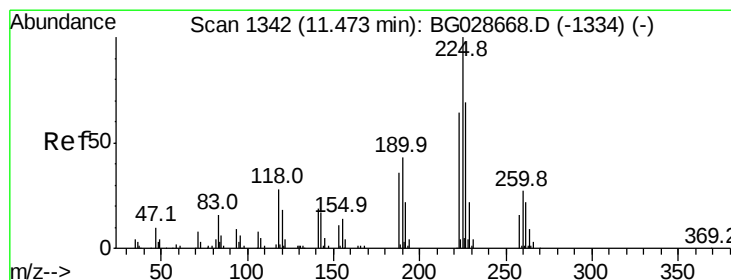
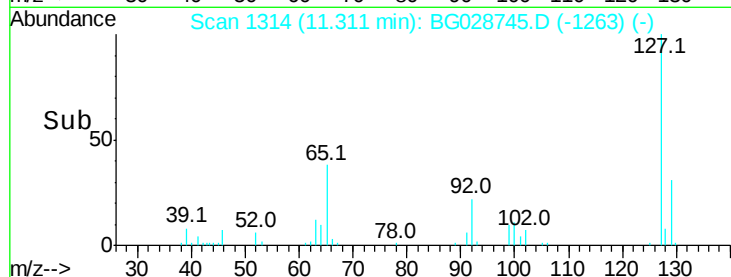
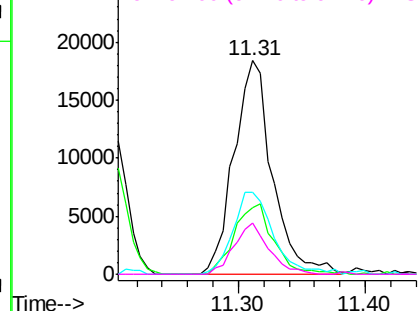
#33  
 4-Chloroaniline  
 Concen: 17.998 ng  
 RT: 11.31 min Scan# 1314  
 Delta R.T. 0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 38509 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.2  | 23.6  | 35.4  |
| 65       | 38.5  | 37.7  | 56.5  |
| 92       | 24.0  | 17.6  | 26.4  |

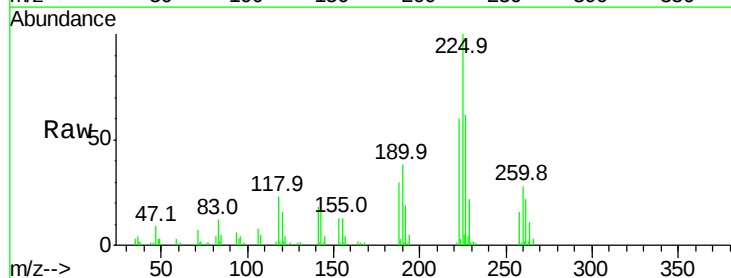


Abundance Ion 127.00 (126.70 to 127.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 65.00 (64.70 to 65.70): BG  
 Ion 92.00 (91.70 to 92.70): BG

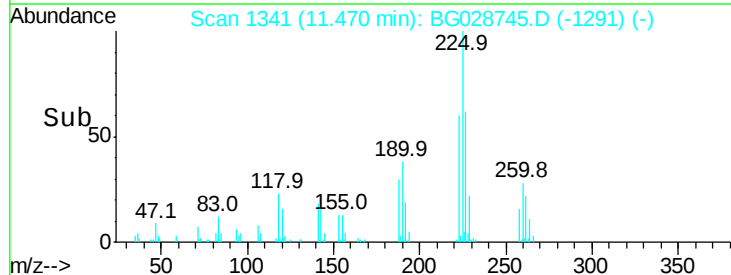
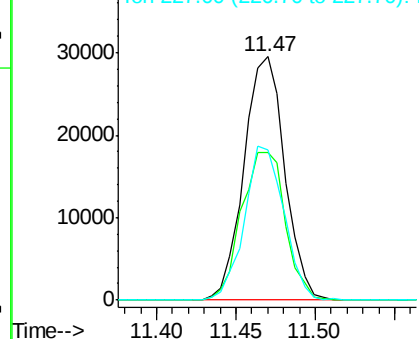


#34  
 Hexachlorobutadiene  
 Concen: 35.791 ng  
 RT: 11.47 min Scan# 1341  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 52695 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.5  | 50.7  | 76.1  |
| 227      | 61.7  | 49.0  | 73.6  |



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: 56.503 ng

RT: 12.08 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

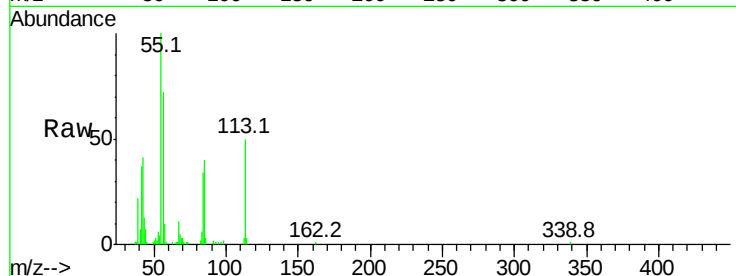
Tot Ion:113 Resp: 35503

Ion Ratio Lower Upper

113 100

55 201.0 198.6 238.6

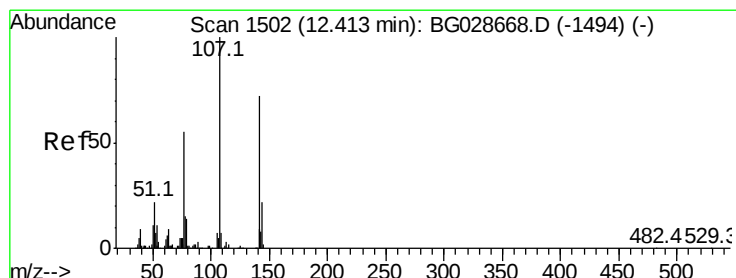
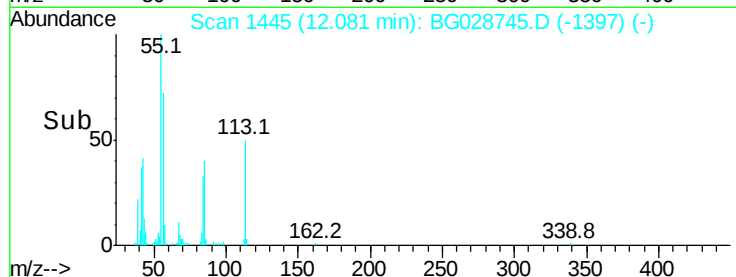
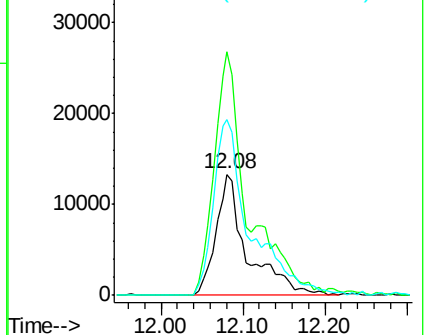
56 145.4 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 46.880 ng

RT: 12.41 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

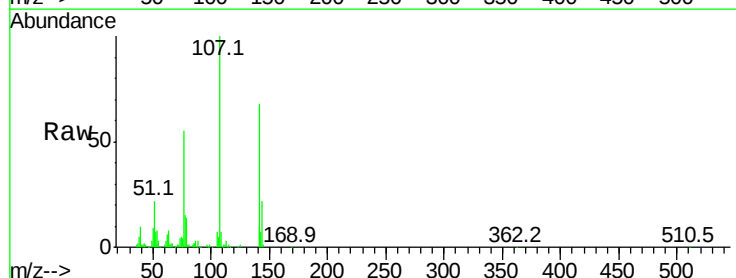
Tgt Ion:107 Resp: 106904

Ion Ratio Lower Upper

107 100

144 21.8 17.4 26.0

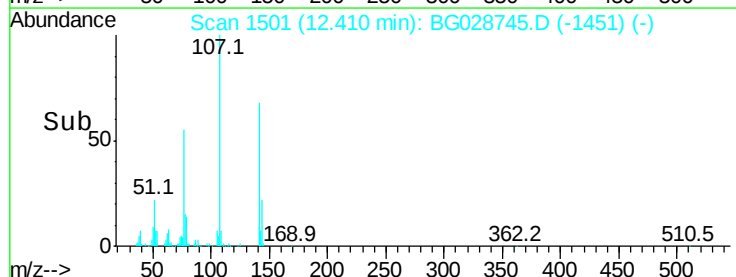
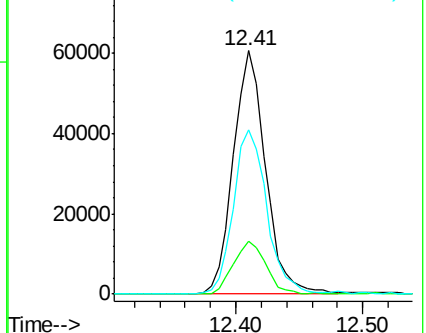
142 67.7 54.1 81.1



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

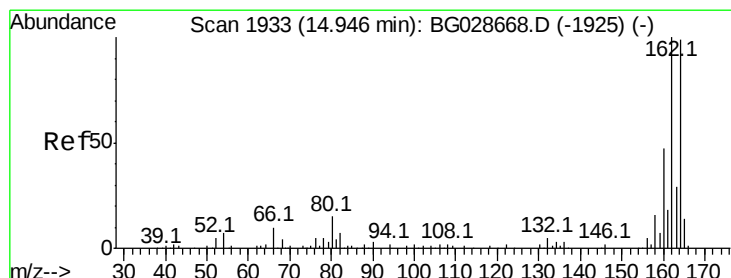
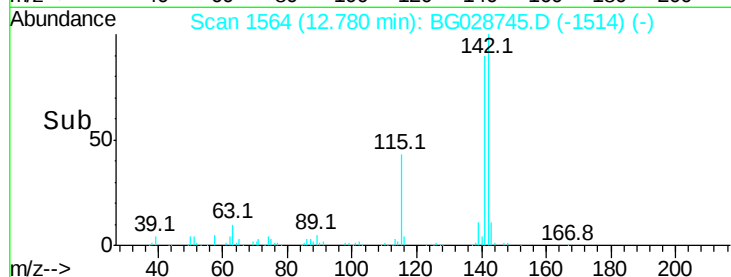
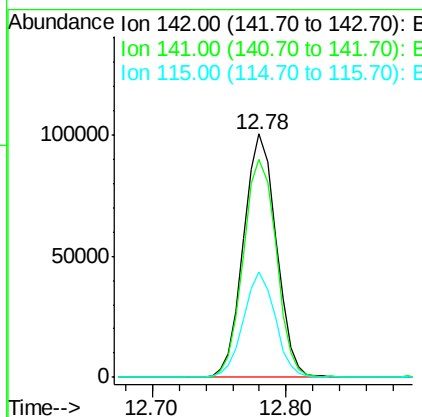
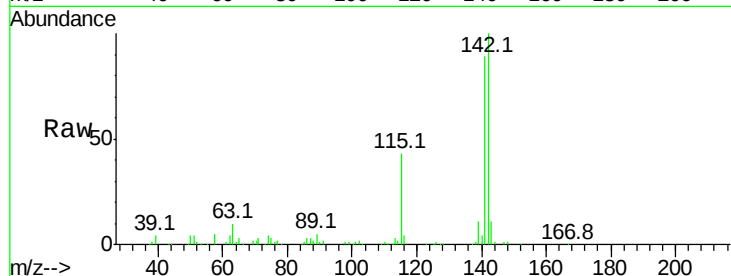




#37  
2-Methylnaphthalene  
Concen: 44.619 ng  
RT: 12.78 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

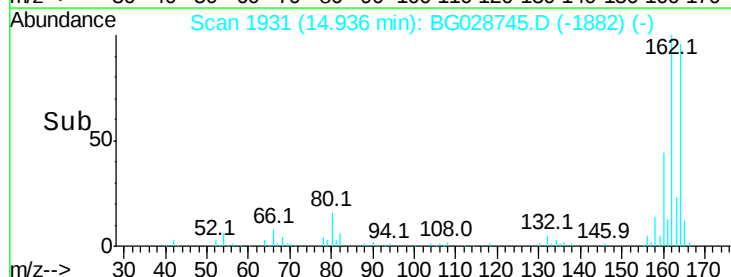
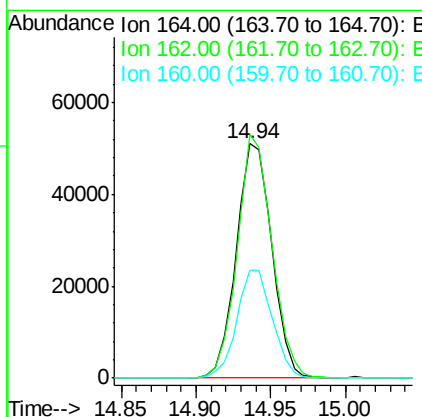
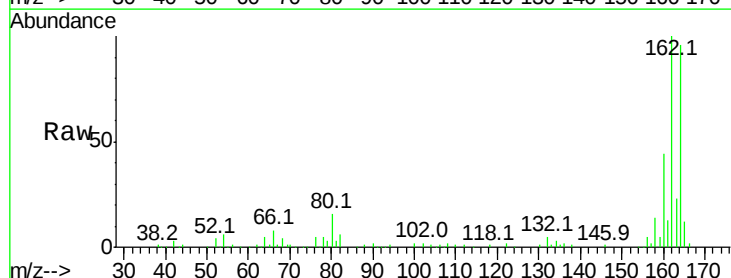
Instrument :  
BNA\_G  
ClientSampleId :

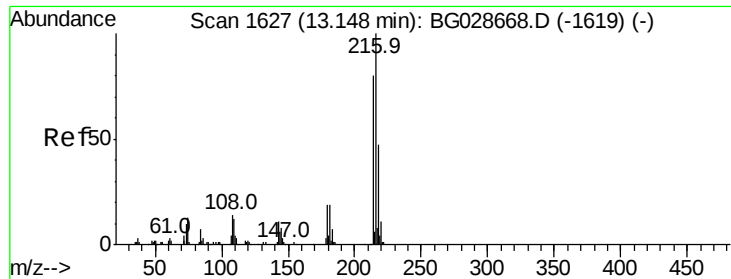
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 70.4  | 105.6 |
| 115     | 43.2  | 35.5  | 53.3  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.94 min Scan# 1931  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 85.1  | 127.7 |
| 160     | 45.9  | 34.7  | 52.1  |

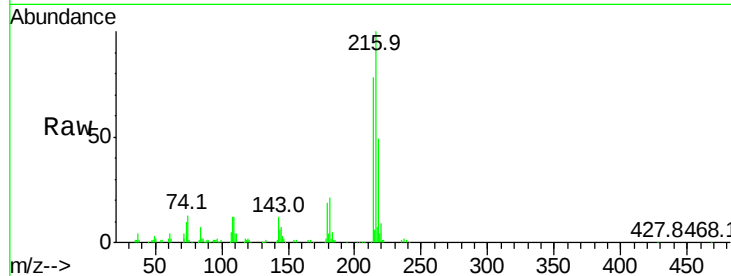




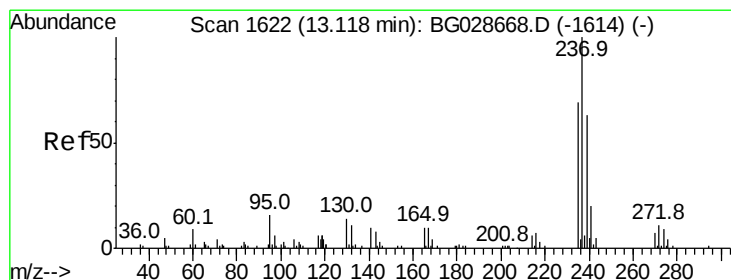
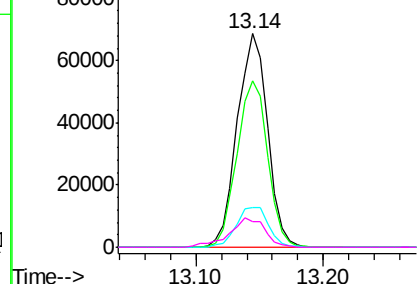
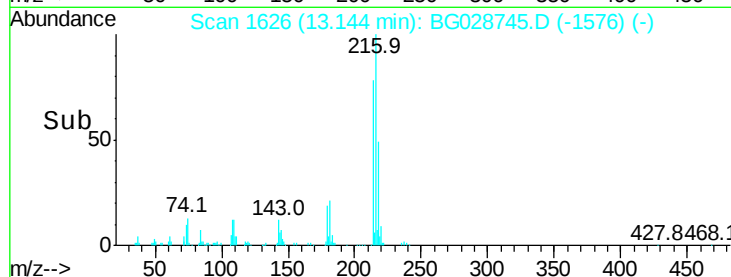
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 32.674 ng  
 RT: 13.14 min Scan# 1626  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 216   | Resp: | 113200 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.9  | 64.4  | 96.6   |
| 179      | 19.9  | 17.4  | 26.0   |
| 108      | 15.8  | 15.6  | 23.4   |

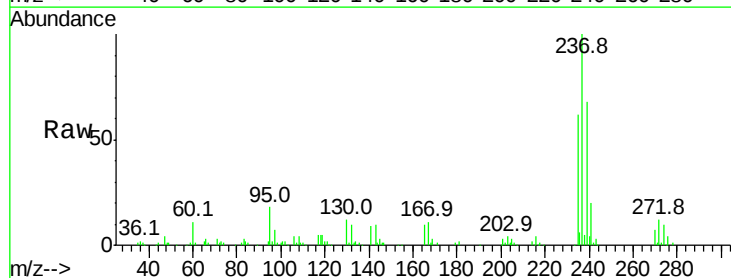


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

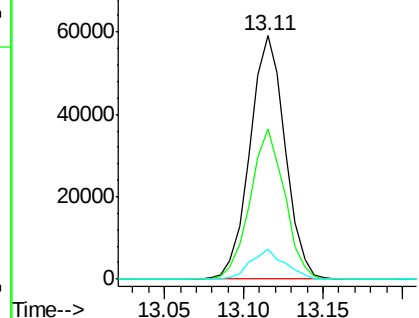
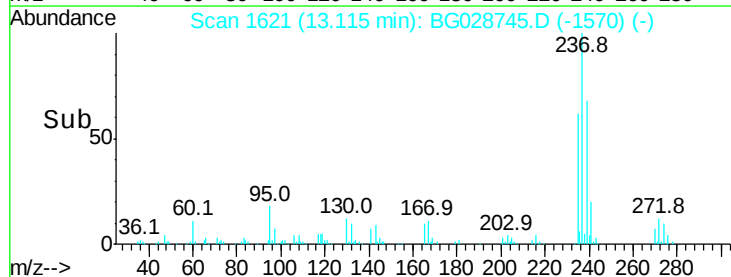


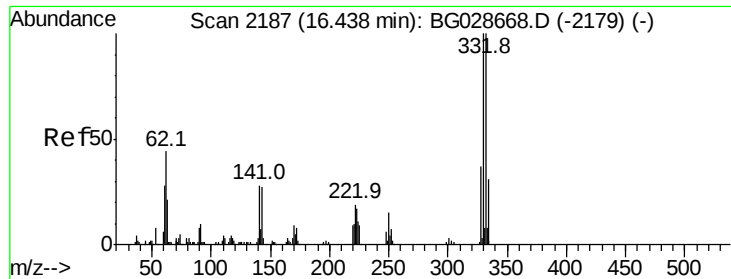
#40  
 Hexachlorocyclopentadiene  
 Concen: 68.723 ng  
 RT: 13.11 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 90901 |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 61.7  | 39.4  | 79.4  |
| 272      | 12.0  | 0.0   | 32.0  |



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

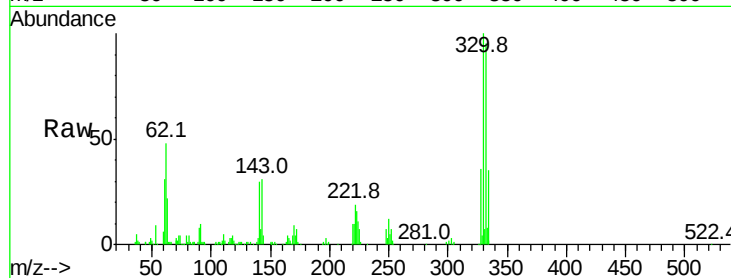




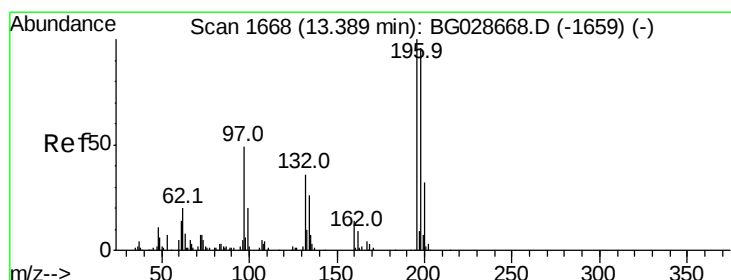
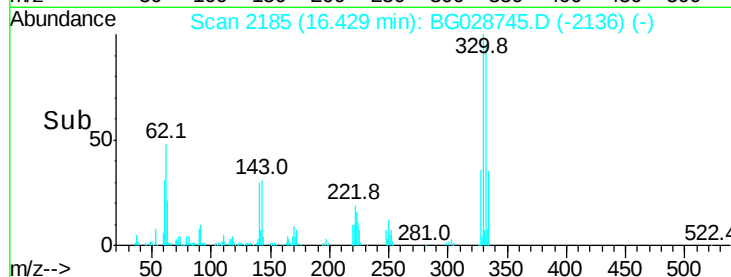
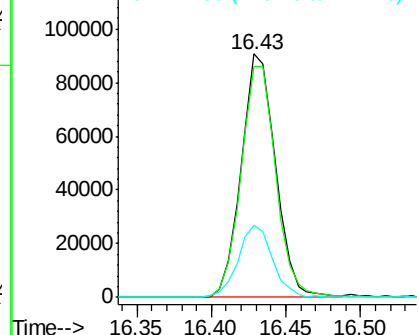
#41  
 2,4,6-Tribromophenol  
 Concen: 103.371 ng  
 RT: 16.43 min Scan# 2185  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 144060  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.3 115.9  
 141 30.0 32.1 48.1#

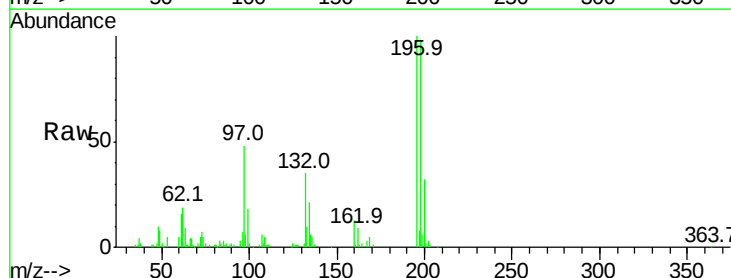


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

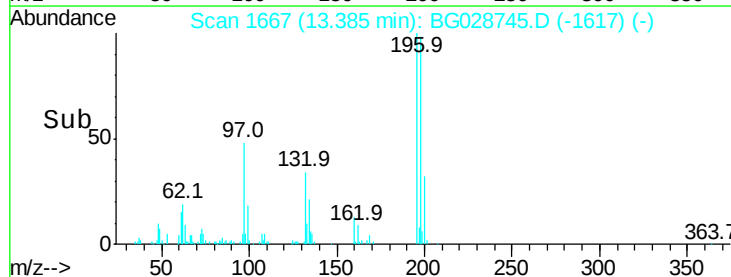
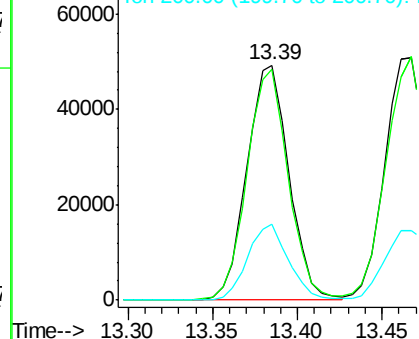


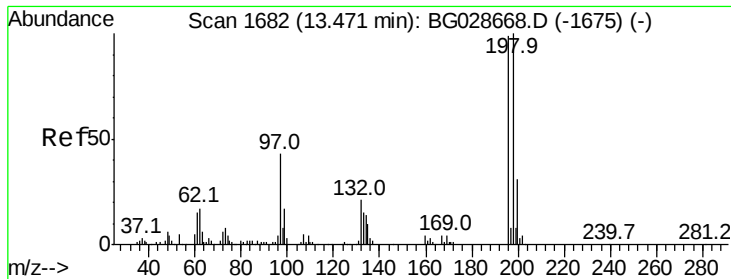
#42  
 2,4,6-Trichlorophenol  
 Concen: 38.843 ng  
 RT: 13.39 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Tgt Ion:196 Resp: 85413  
 Ion Ratio Lower Upper  
 196 100  
 198 98.4 81.4 122.2  
 200 32.1 27.0 40.6



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

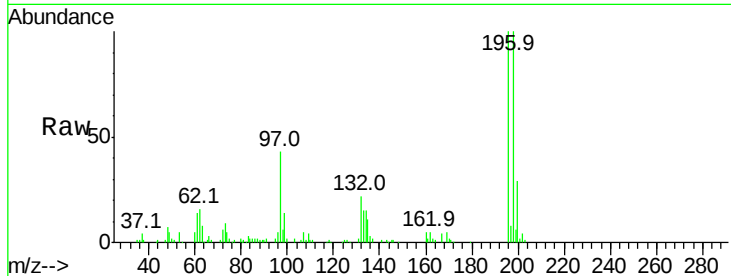




#43  
 2,4,5-Trichlorophenol  
 Concen: 43.996 ng  
 RT: 13.47 min Scan# 1681  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 100.4 | 79.9  | 119.9 |
| 97      | 42.8  | 45.4  | 68.0  |
| 132     | 22.6  | 20.7  | 31.1  |



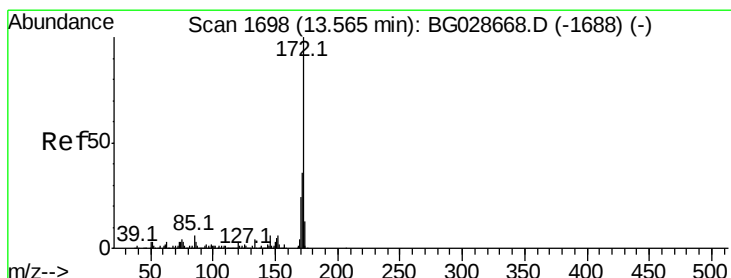
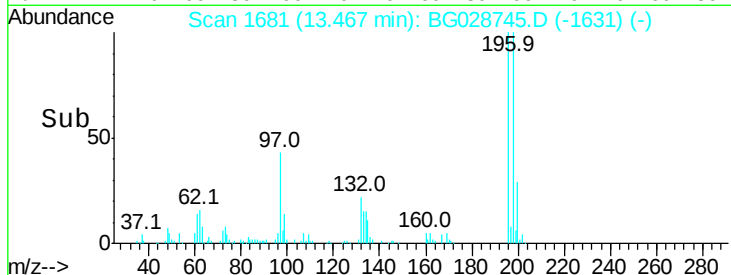
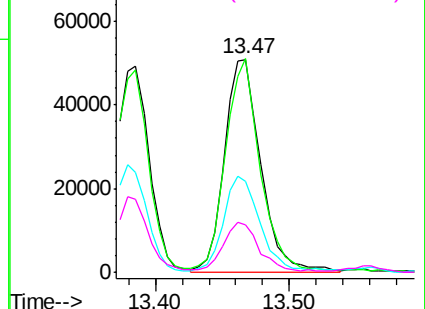
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

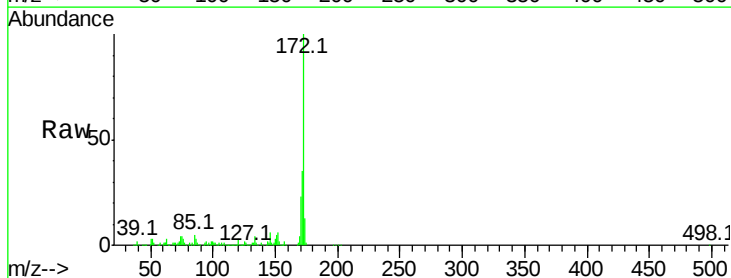
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 82.122 ng  
 RT: 13.56 min Scan# 1697  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 32.2  | 48.2  |
| 170     | 22.6  | 21.8  | 32.6  |

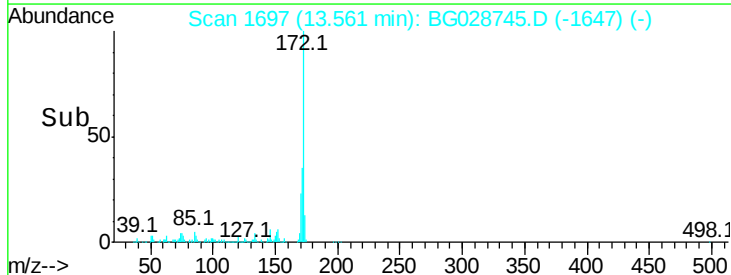
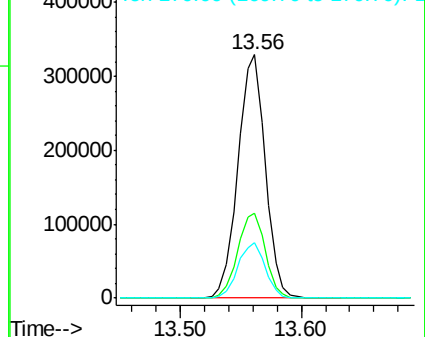


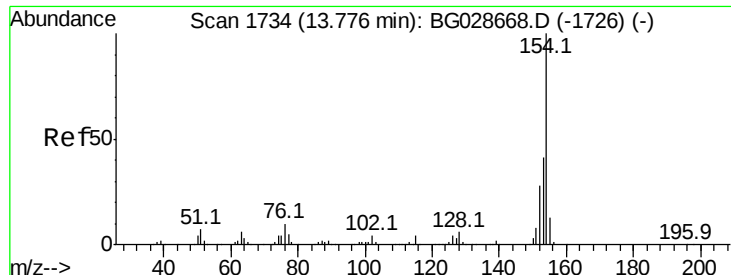
Abundance

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

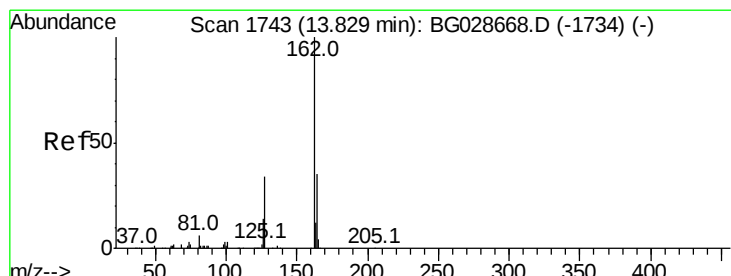
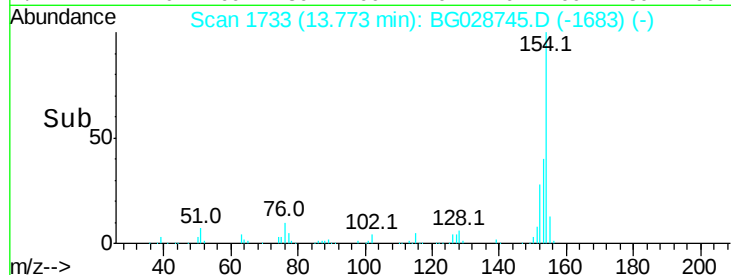
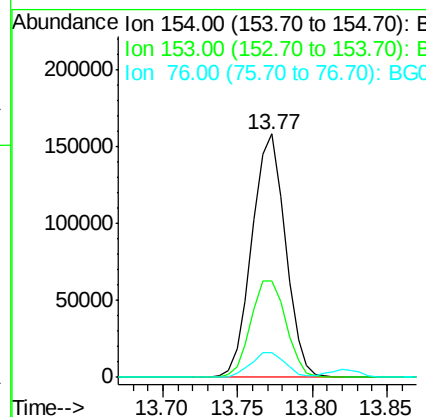
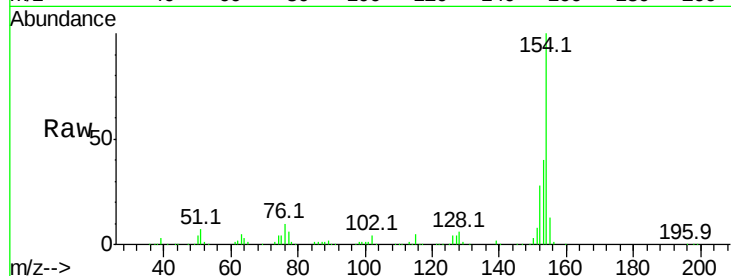




#45  
 1,1'-Biphenyl  
 Concen: 35.141 ng  
 RT: 13.77 min Scan# 1733  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

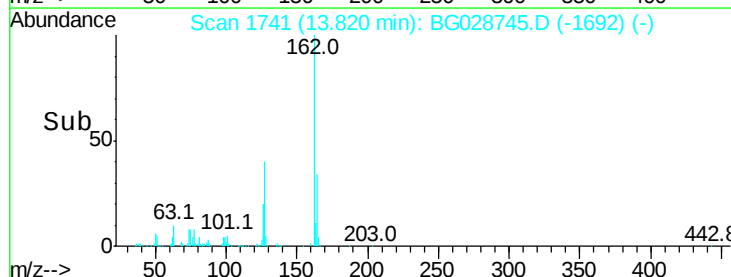
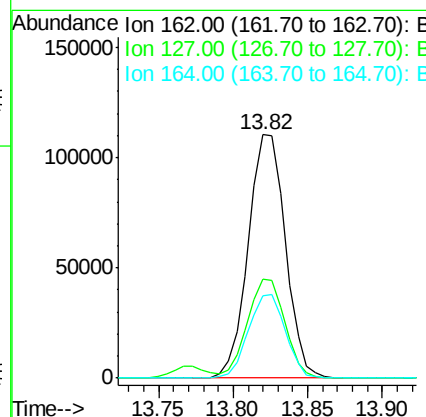
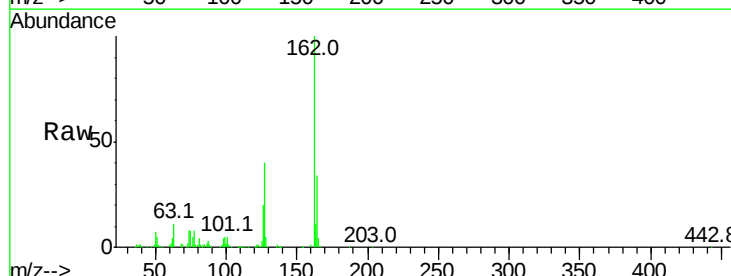
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.5  | 23.0  | 63.0  |
| 76      | 10.4  | 0.0   | 33.5  |



#46  
 2-Chloronaphthalene  
 Concen: 37.330 ng  
 RT: 13.82 min Scan# 1741  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.4  | 32.2  | 48.4  |
| 164     | 33.6  | 27.3  | 40.9  |

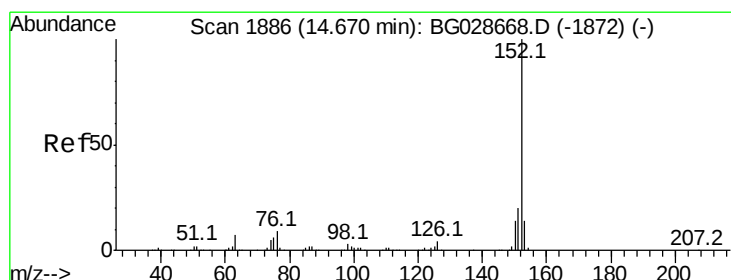
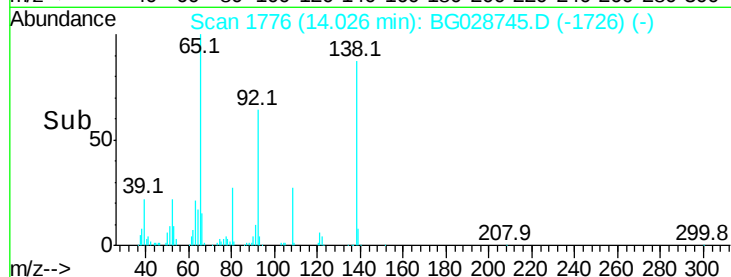
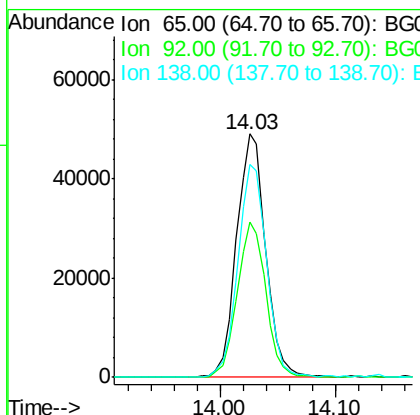
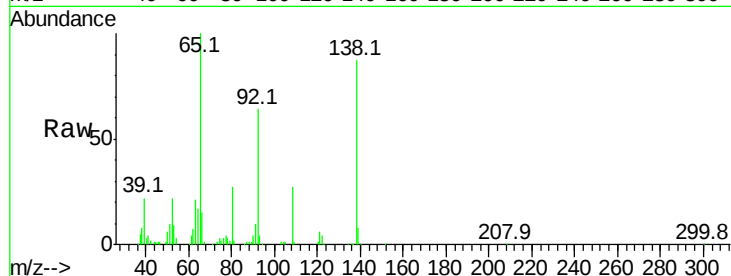




#47  
2-Nitroaniline  
Concen: 45.189 ng  
RT: 14.03 min Scan# 1776  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

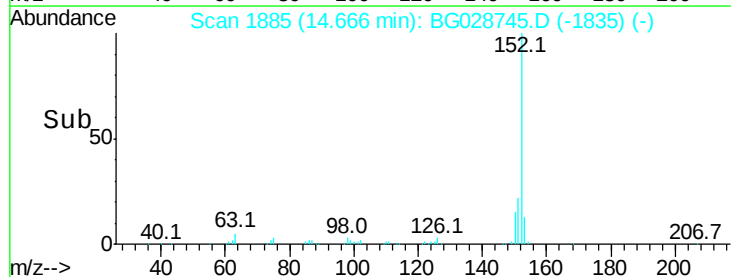
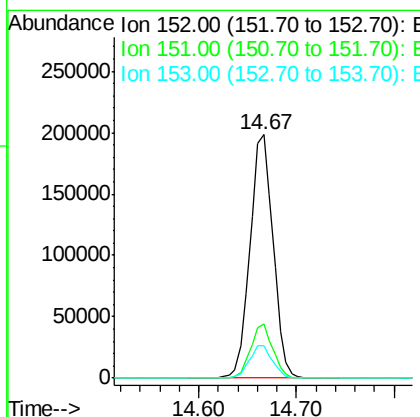
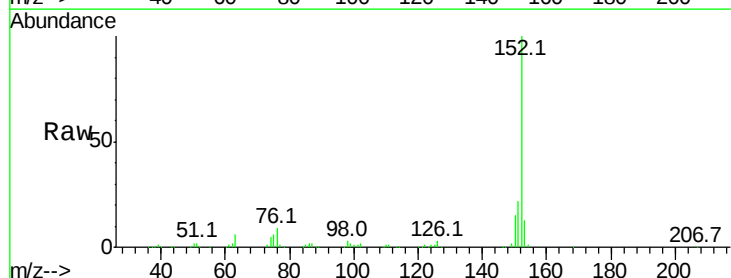
Instrument :  
BNA\_G  
ClientSampleId :

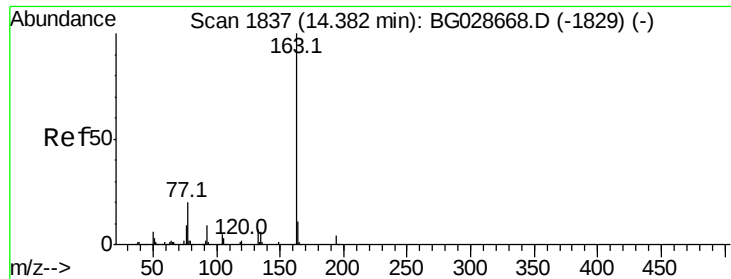
Tot Ion: 65 Resp: 85459  
Ion Ratio Lower Upper  
65 100  
92 63.6 49.0 73.4  
138 87.4 58.6 87.8



#48  
Acenaphthylene  
Concen: 40.117 ng  
RT: 14.67 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion:152 Resp: 326131  
Ion Ratio Lower Upper  
152 100  
151 22.0 18.2 27.2  
153 13.1 11.3 16.9

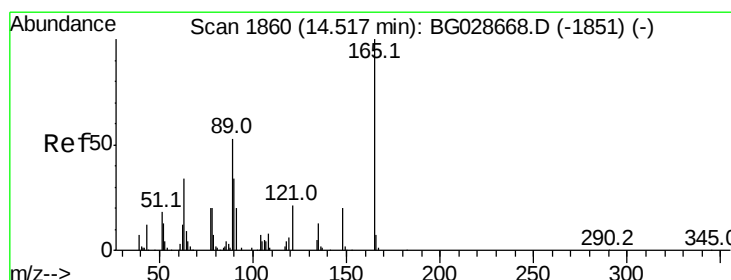
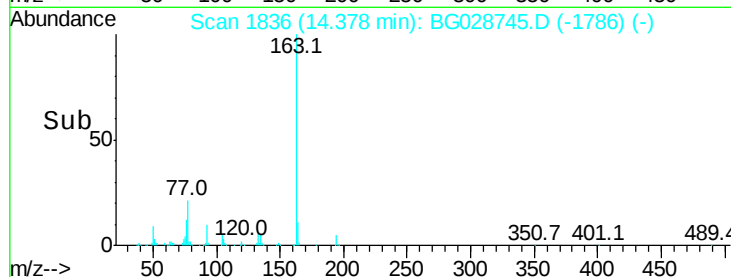
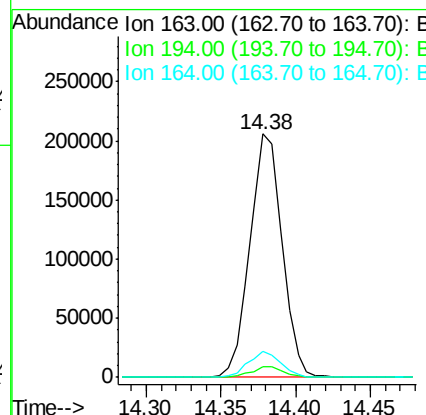
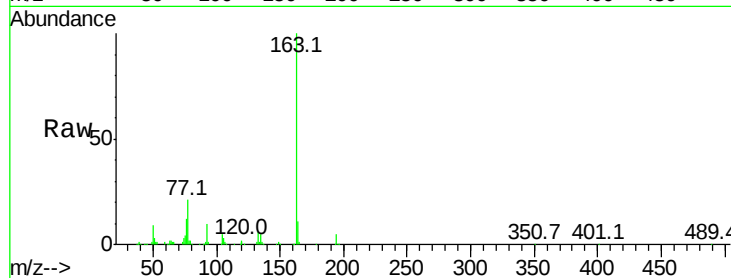




#49  
Dimethylphthalate  
Concen: 43.382 ng  
RT: 14.38 min Scan# 1836  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

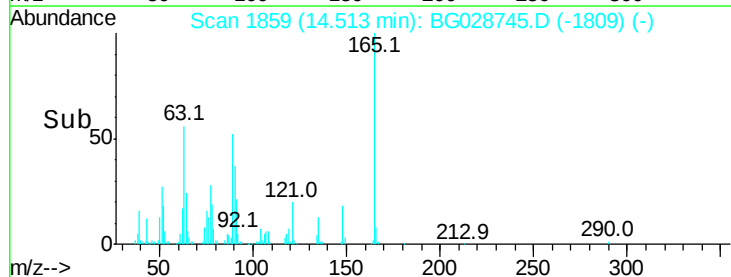
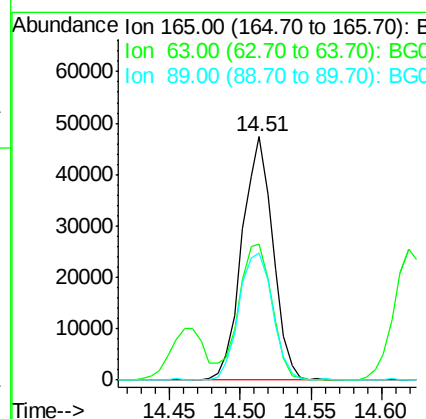
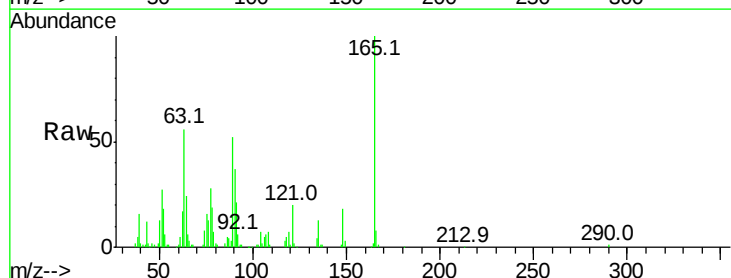
Instrument :  
BNA\_G  
ClientSampleId :

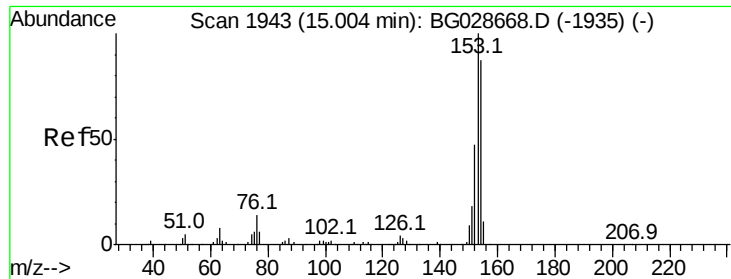
Tot Ion:163 Resp: 306527  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.8 5.6  
164 10.9 9.3 13.9



#50  
2,6-Dinitrotoluene  
Concen: 46.036 ng  
RT: 14.51 min Scan# 1859  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion:165 Resp: 72379  
Ion Ratio Lower Upper  
165 100  
63 56.1 63.9 95.9#  
89 52.4 58.6 88.0#





#51

Acenaphthene

Concen: 39.532 ng

RT: 15.00 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

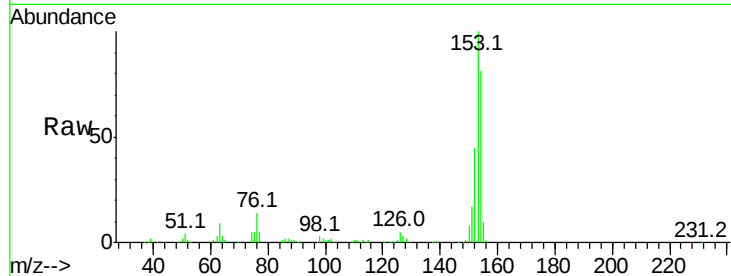
Tot Ion:154 Resp: 195228

Ion Ratio Lower Upper

154 100

153 123.1 87.8 131.6

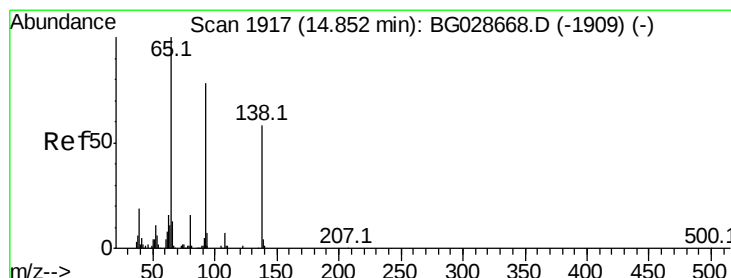
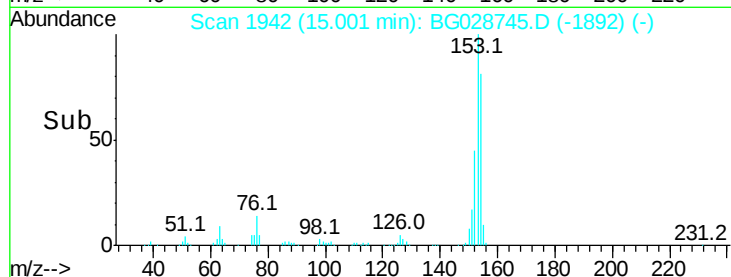
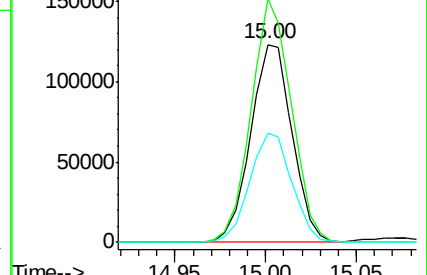
152 55.2 42.2 63.4



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: 26.289 ng

RT: 14.85 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

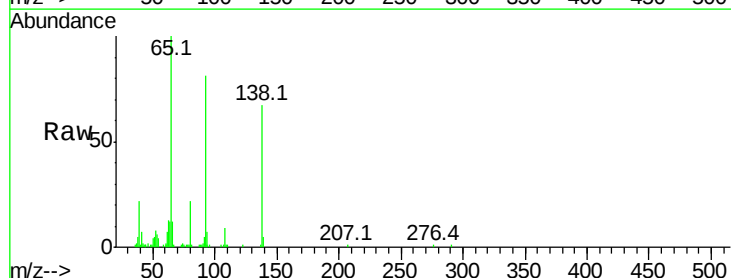
Tgt Ion:138 Resp: 36551

Ion Ratio Lower Upper

138 100

108 13.2 10.9 16.3

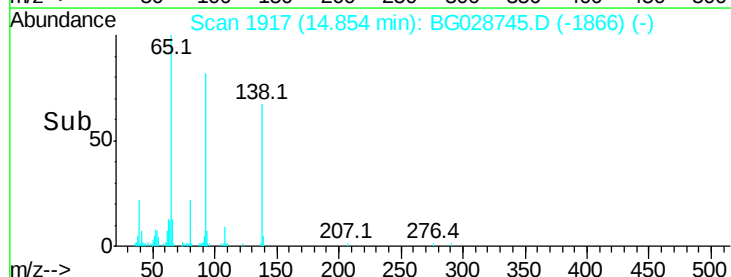
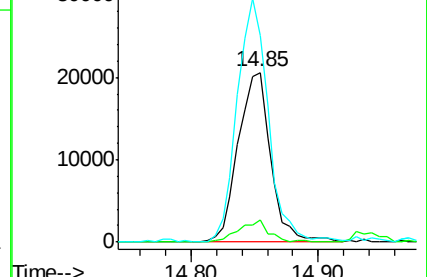
92 121.5 115.3 172.9

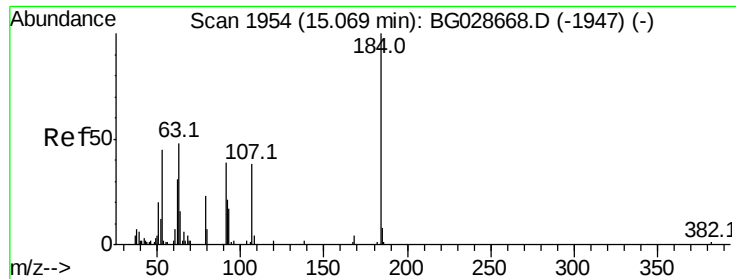


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

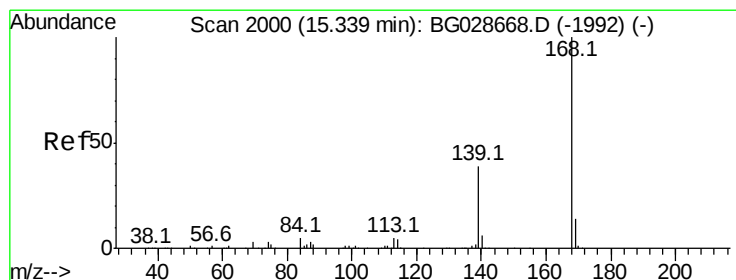
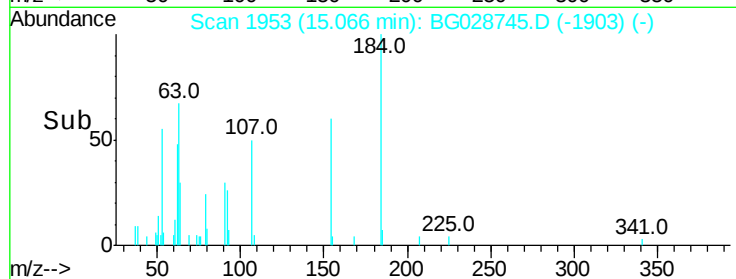
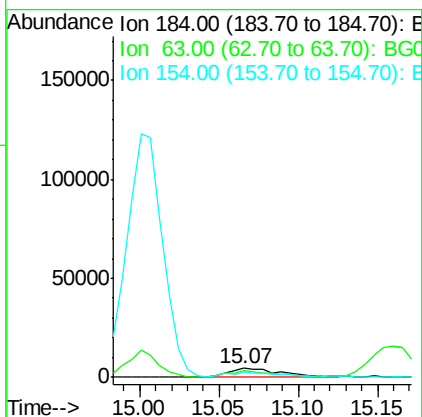
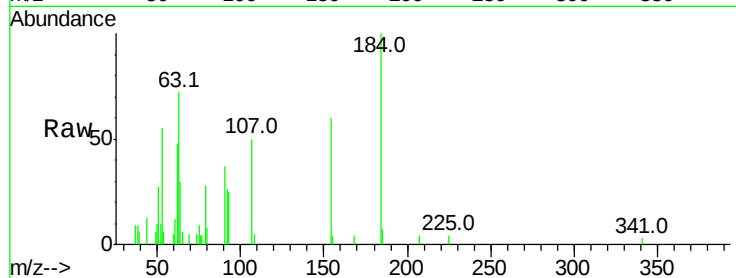




#53  
2,4-Dinitrophenol  
Concen: 19.282 ng  
RT: 15.07 min Scan# 1953  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

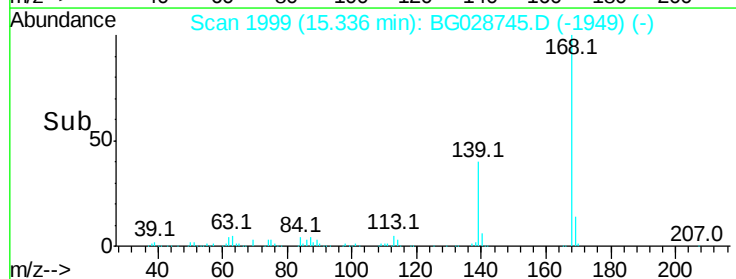
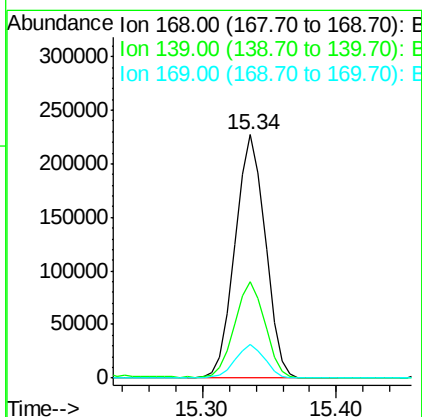
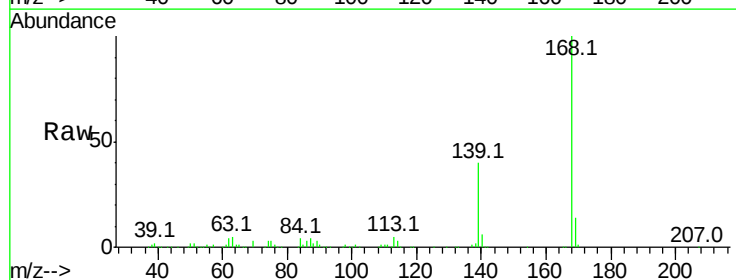
Instrument :  
BNA\_G  
ClientSampleId :

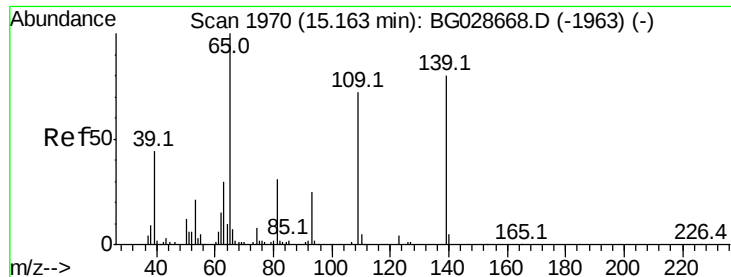
Tot Ion:184 Resp: 10384  
Ion Ratio Lower Upper  
184 100  
63 71.7 52.7 79.1  
154 60.1 57.3 85.9



#54  
Dibenzofuran  
Concen: 45.380 ng  
RT: 15.34 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion:168 Resp: 357387  
Ion Ratio Lower Upper  
168 100  
139 39.9 35.3 52.9  
169 13.7 11.5 17.3





#55

4-Nitrophenol

Concen: 88.780 ng

RT: 15.16 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

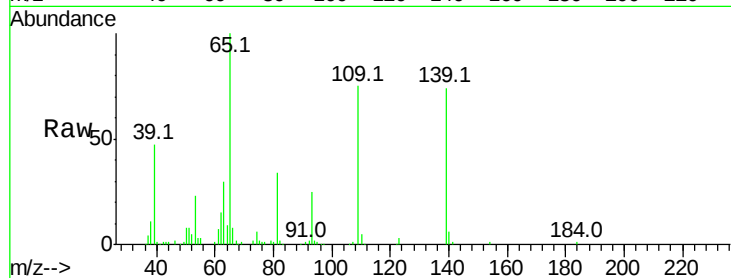
Tot Ion:139 Resp: 90434

Ion Ratio Lower Upper

139 100

109 100.8 101.2 141.2#

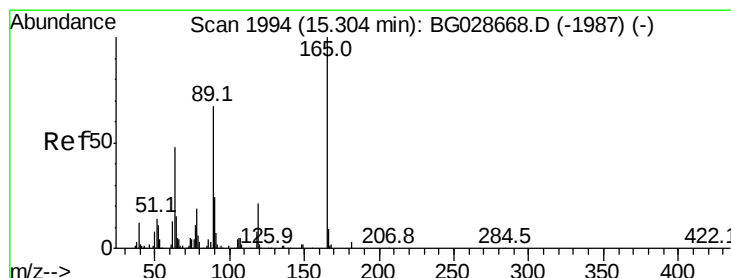
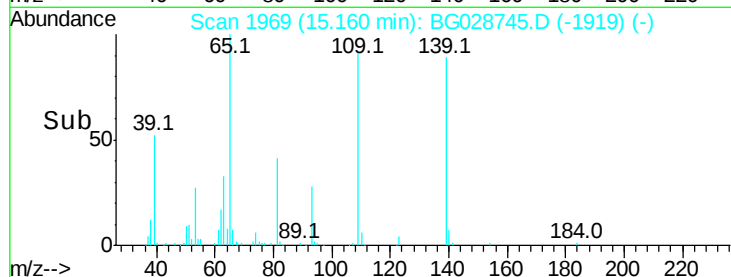
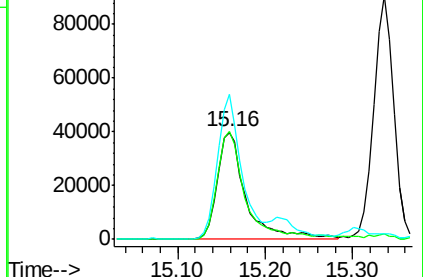
65 134.9 135.3 175.3#



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: 48.073 ng

RT: 15.31 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Tgt Ion:165 Resp: 106272

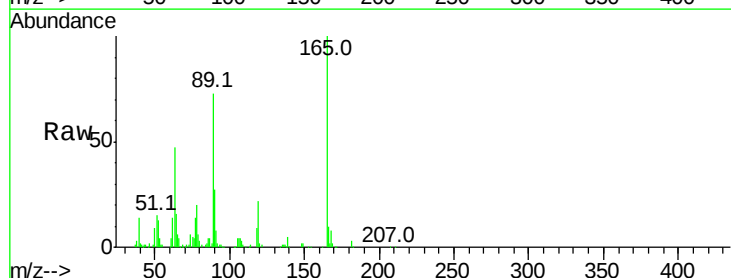
Ion Ratio Lower Upper

165 100

63 47.4 44.0 66.0

89 73.0 67.3 100.9

182 3.2 3.8 5.6#

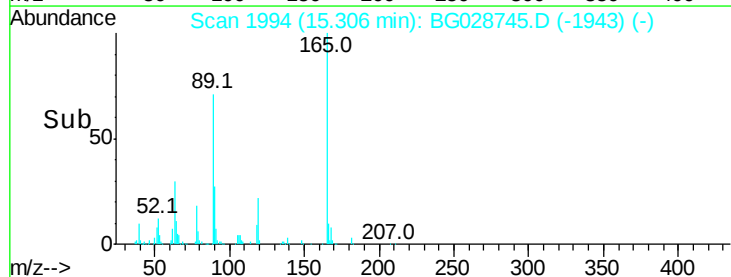
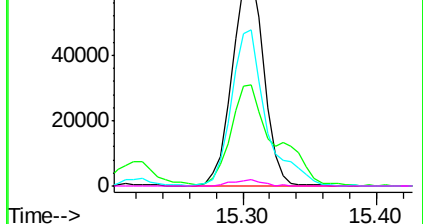


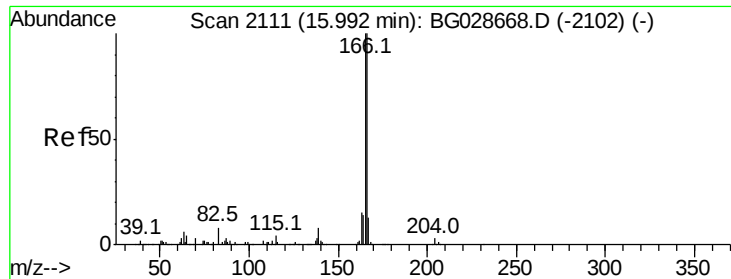
Abundance Ion 165.00 (164.70 to 165.70): E

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: 44.816 ng

RT: 15.99 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

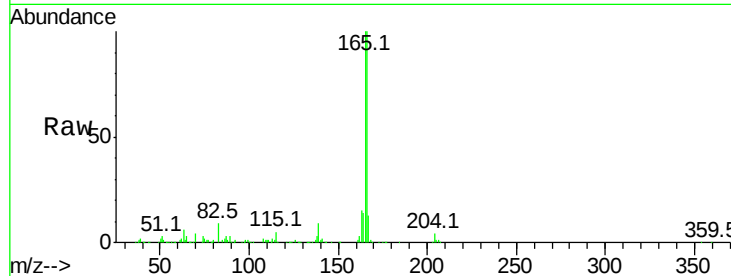
Tot Ion:166 Resp: 315097

Ion Ratio Lower Upper

166 100

165 99.7 78.6 117.8

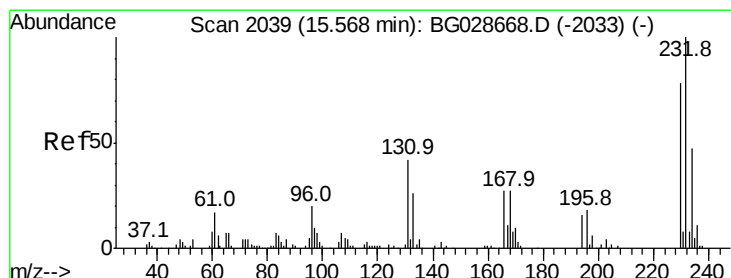
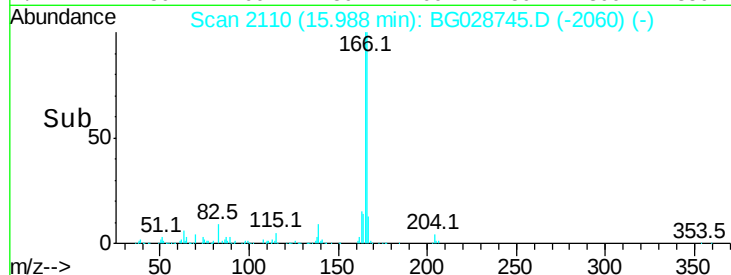
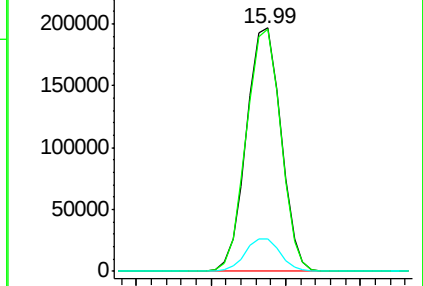
167 13.2 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 51.351 ng

RT: 15.56 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Tgt Ion:232 Resp: 99999

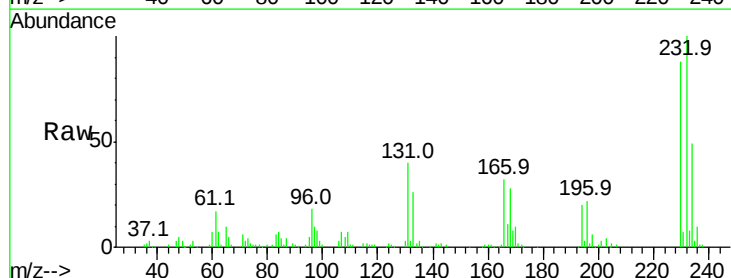
Ion Ratio Lower Upper

232 100

131 38.4 34.9 52.3

130 2.5 2.3 3.5

166 28.0 24.2 36.4

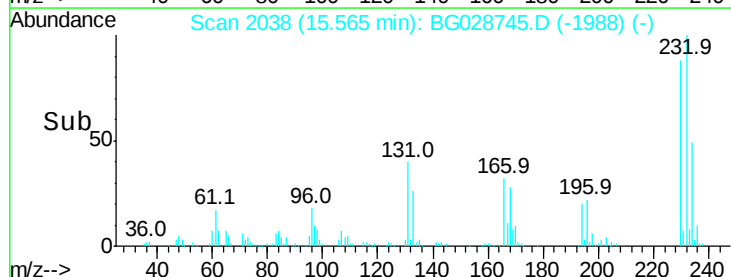
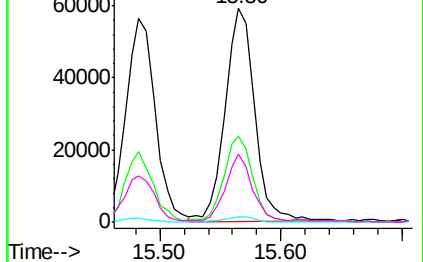


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

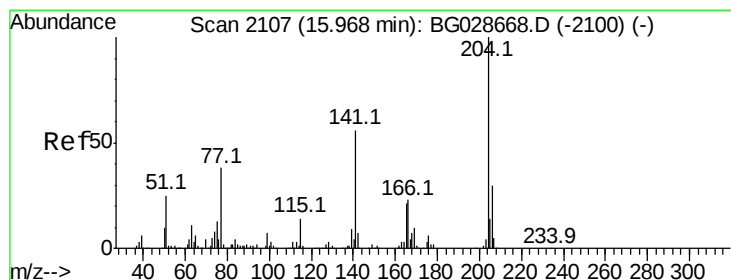
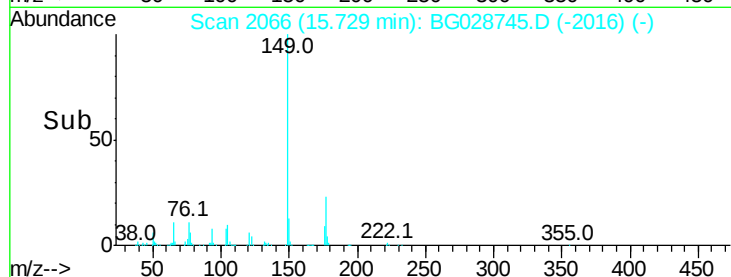
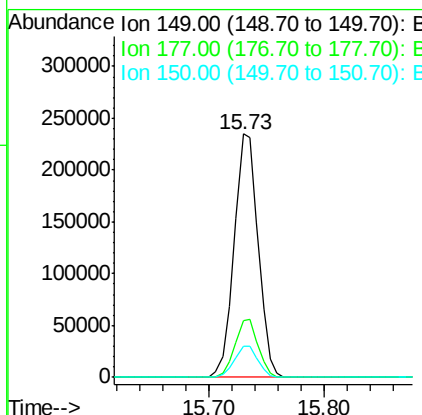
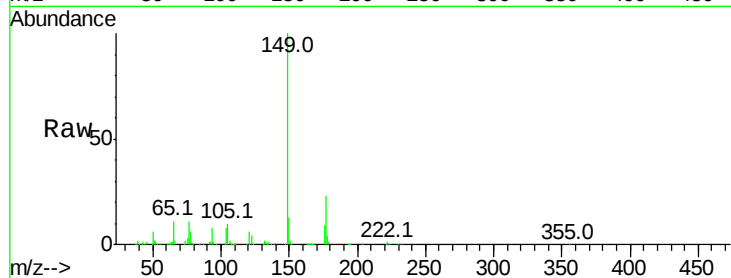




#59  
Diethylphthalate  
Concen: 46.296 ng  
RT: 15.73 min Scan# 2066  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

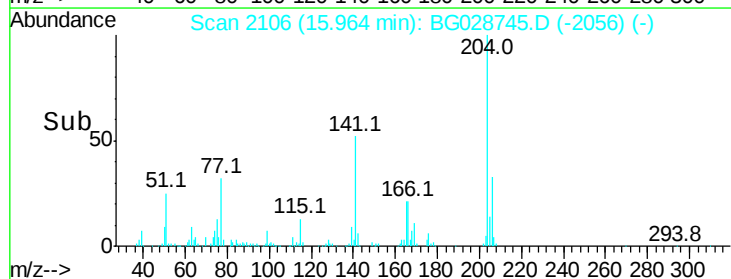
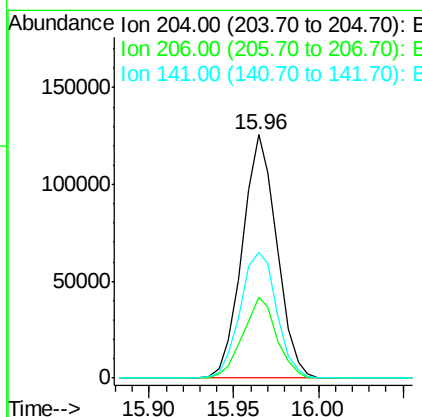
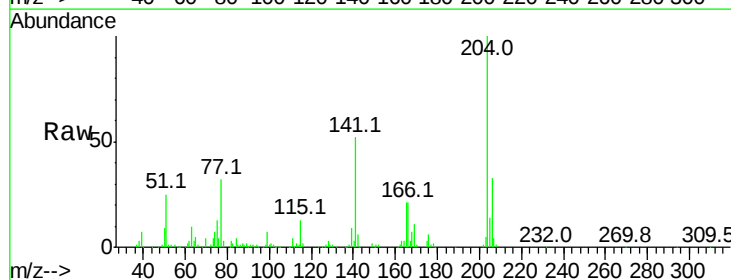
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.2  | 20.1  | 30.1  |
| 150     | 12.6  | 10.2  | 15.2  |



#60  
4-Chlorophenyl-phenylether  
Concen: 44.475 ng  
RT: 15.96 min Scan# 2106  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.3  | 30.1  | 45.1  |
| 141     | 51.6  | 50.6  | 76.0  |

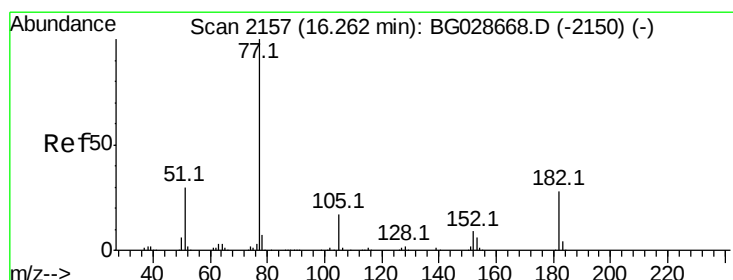
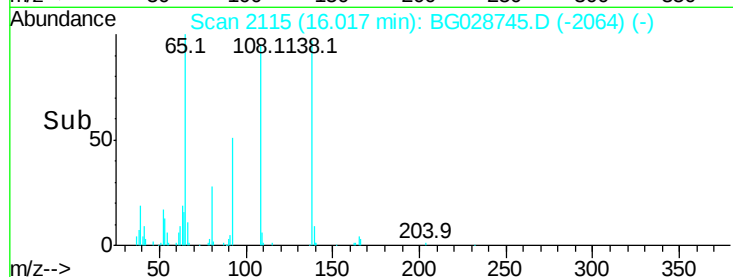
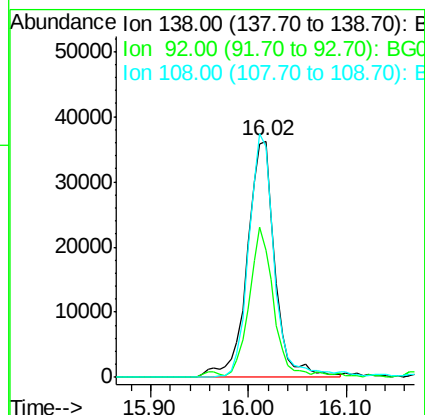
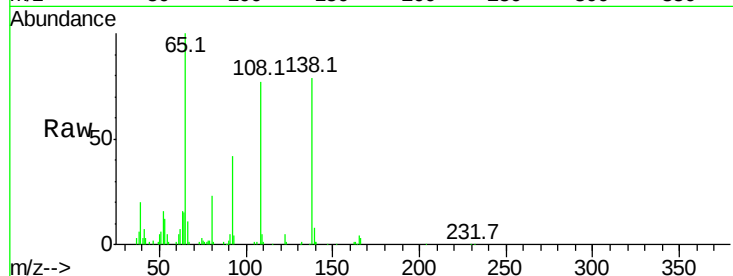




#61  
4-Nitroaniline  
Concen: 48.943 ng  
RT: 16.02 min Scan# 2115  
Delta R.T. 0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

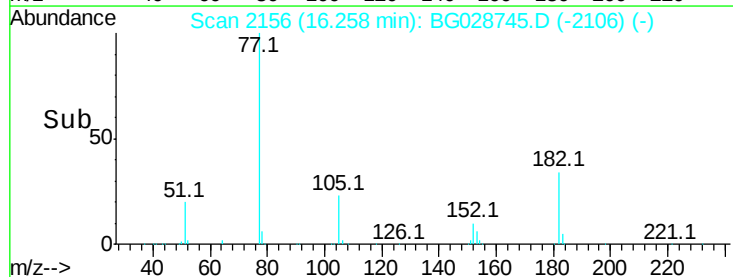
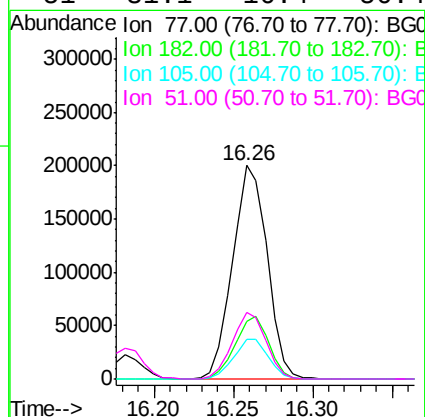
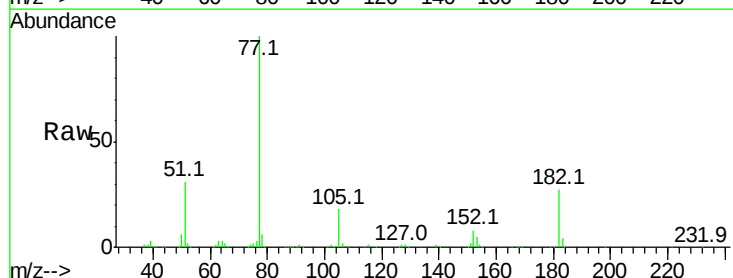
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:138 Resp: 72090  
Ion Ratio Lower Upper  
138 100  
92 54.0 44.2 84.2  
108 97.4 104.8 144.8#



#62  
Azobenzene  
Concen: 49.334 ng  
RT: 16.26 min Scan# 2156  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion: 77 Resp: 301276  
Ion Ratio Lower Upper  
77 100  
182 27.2 4.7 44.7  
105 18.5 0.0 36.3  
51 31.1 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

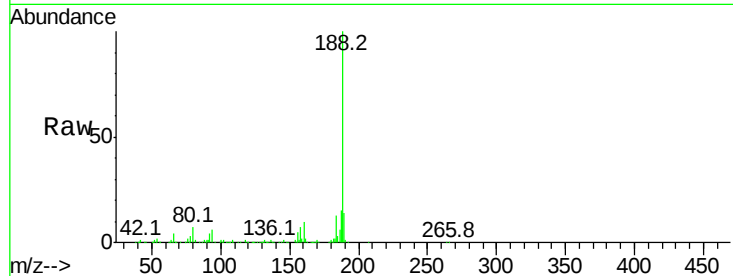
Tot Ion:188 Resp: 259542

Ion Ratio Lower Upper

188 100

94 6.0 5.8 8.8

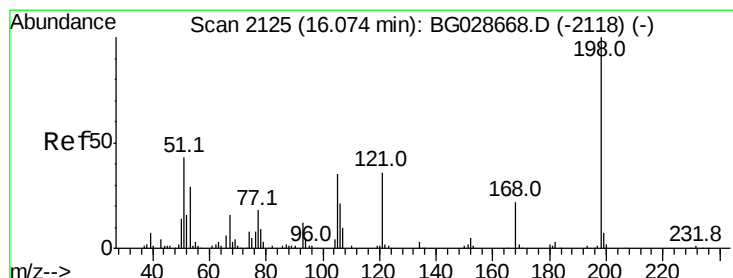
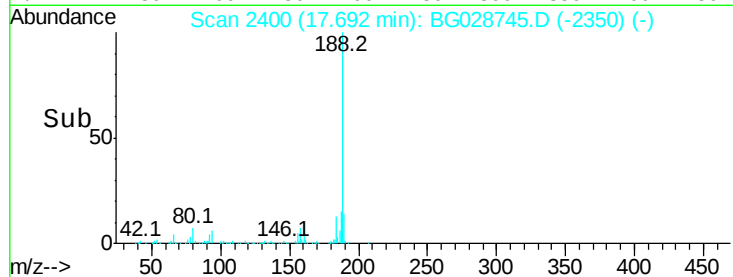
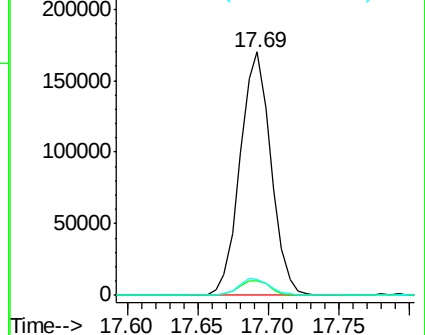
80 6.6 7.5 11.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 13.825 ng

RT: 16.07 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

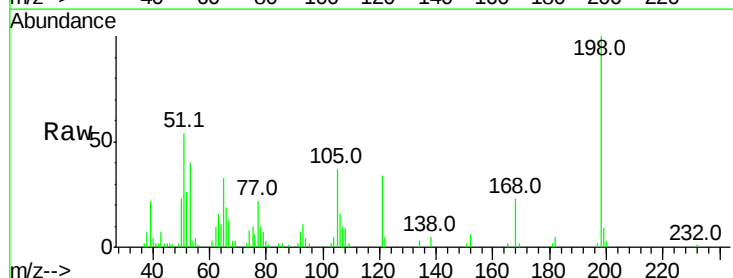
Tgt Ion:198 Resp: 23153

Ion Ratio Lower Upper

198 100

51 54.3 22.6 62.6

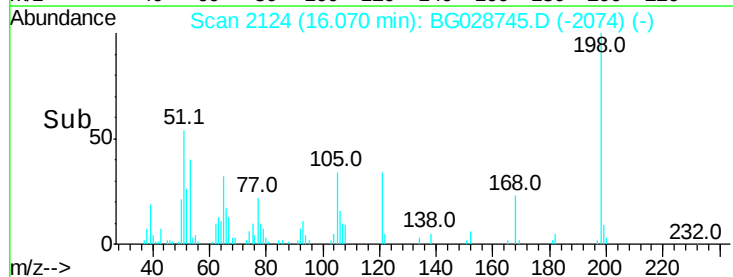
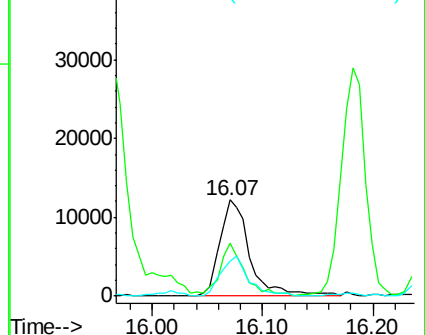
105 36.8 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 38.559 ng

RT: 16.18 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampled :

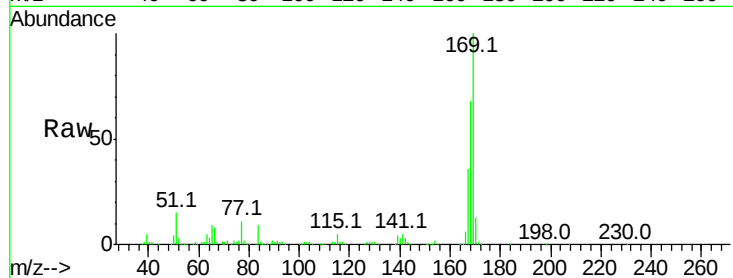
Tot Ion:169 Resp: 286889

Ion Ratio Lower Upper

169 100

168 68.1 55.7 83.5

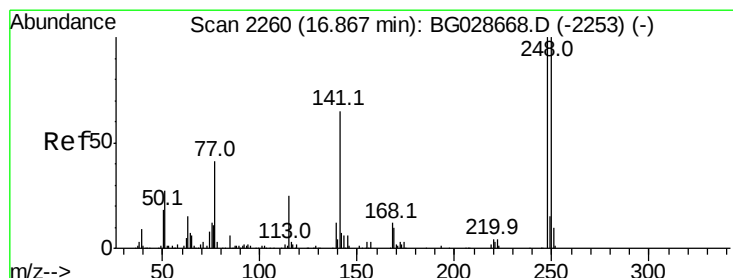
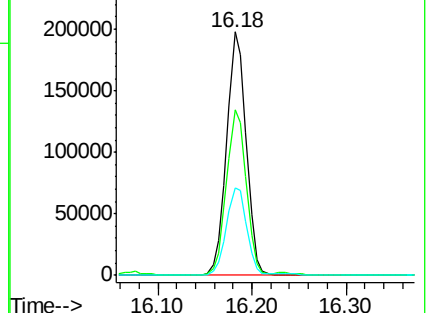
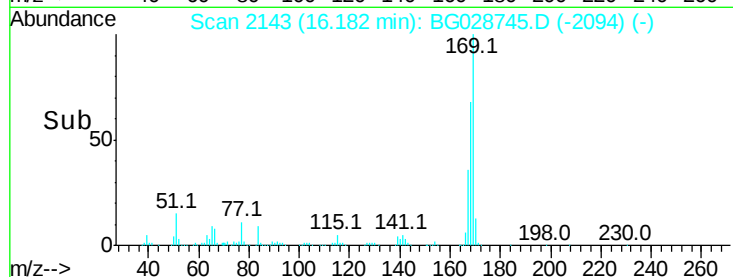
167 35.7 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.266 ng

RT: 16.86 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

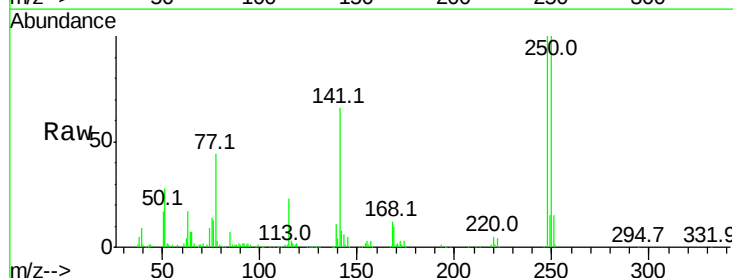
Tgt Ion:248 Resp: 127793

Ion Ratio Lower Upper

248 100

250 100.3 75.0 112.6

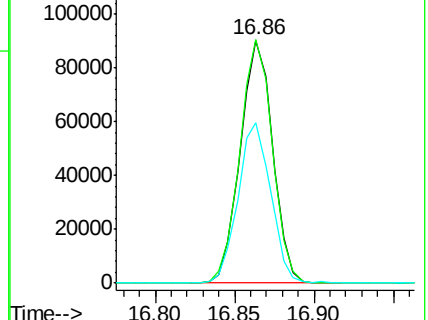
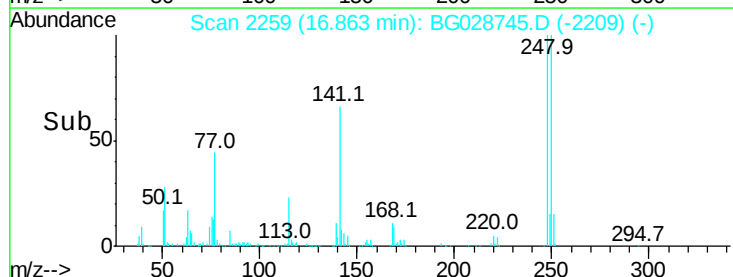
141 66.2 55.2 82.8

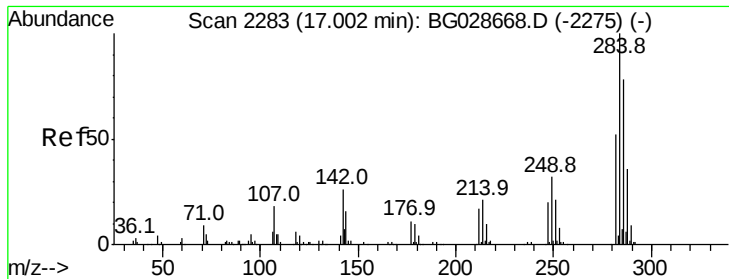


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

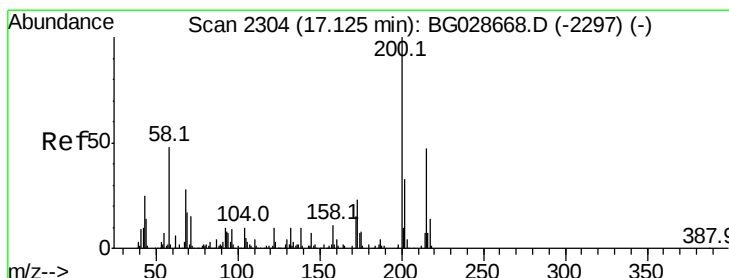
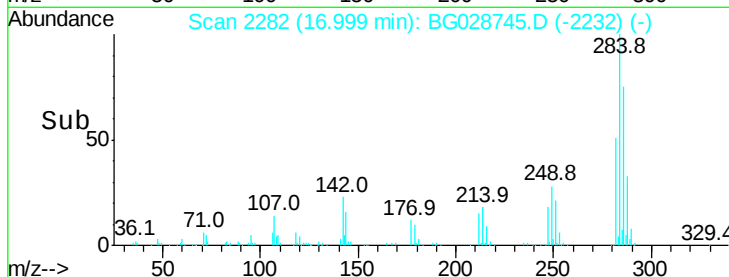
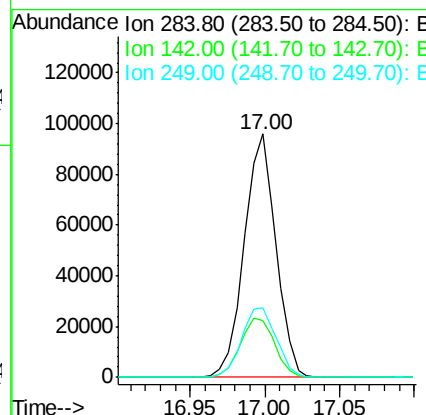
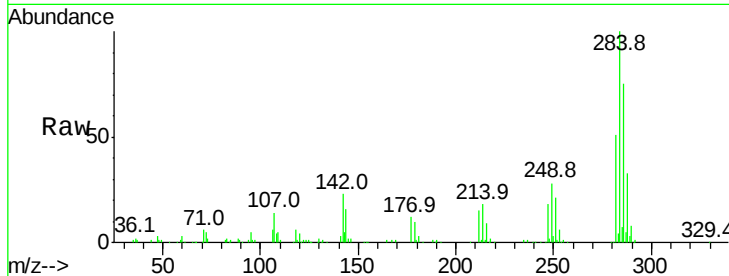




#67  
Hexachlorobenzene  
Concen: 36.933 ng  
RT: 17.00 min Scan# 2282  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

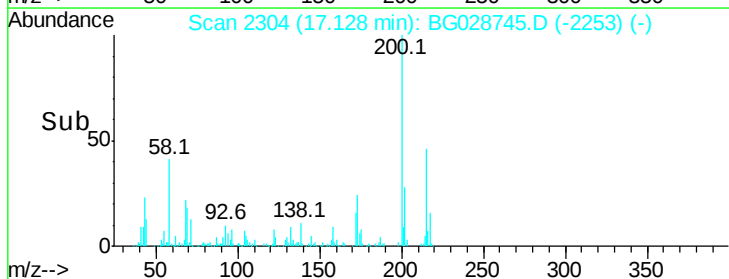
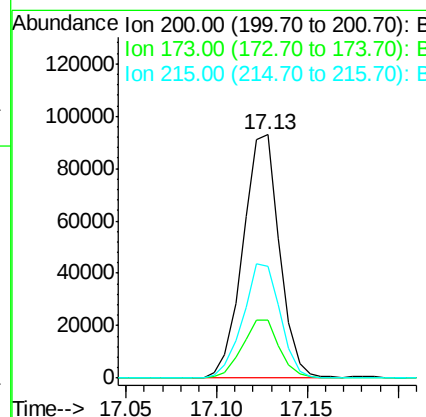
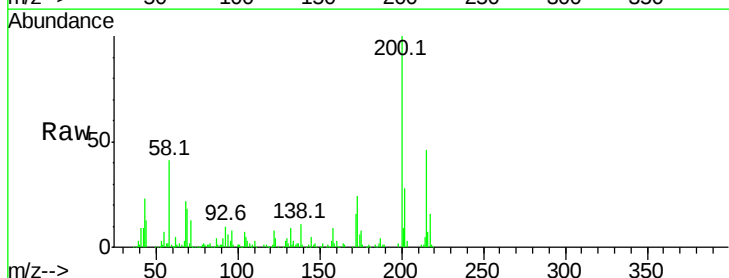
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 23.3  | 29.9  | 44.9# |
| 249     | 28.4  | 29.2  | 43.8# |



#68  
Atrazine  
Concen: 40.717 ng  
RT: 17.13 min Scan# 2304  
Delta R.T. 0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.9  | 3.0   | 43.0  |
| 215     | 46.0  | 28.4  | 68.4  |

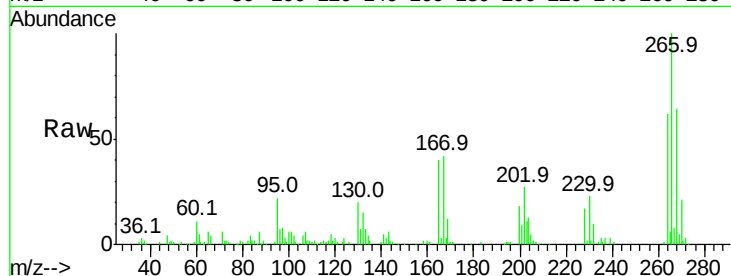




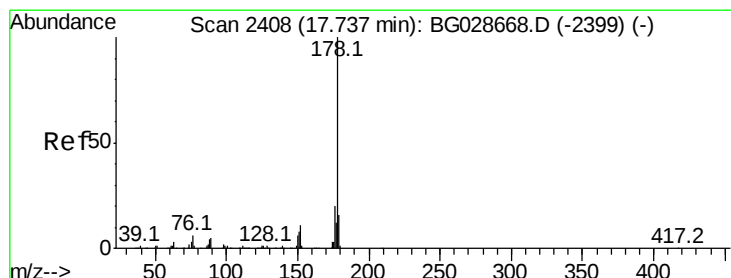
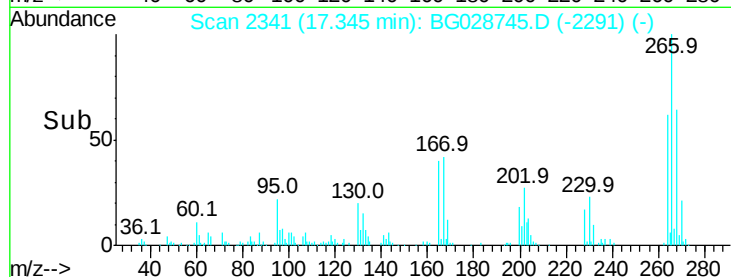
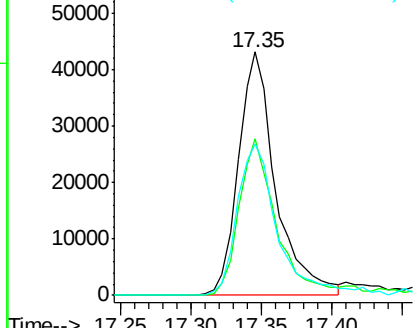
#69  
 Pentachlorophenol  
 Concen: 46.237 ng  
 RT: 17.35 min Scan# 2341  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 64.2  | 48.6  | 72.8  |
| 264     | 62.4  | 50.1  | 75.1  |

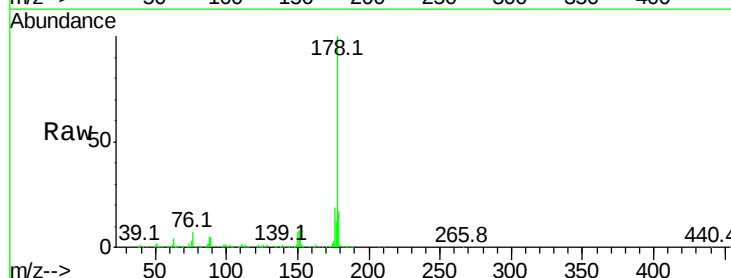


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

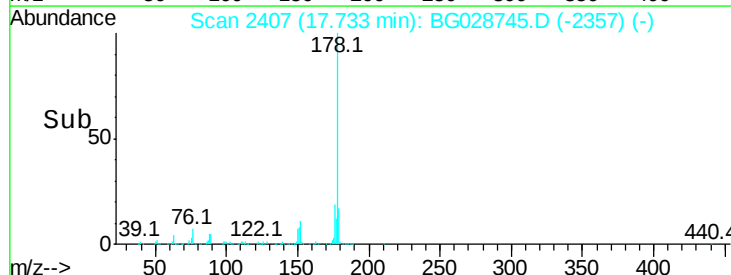
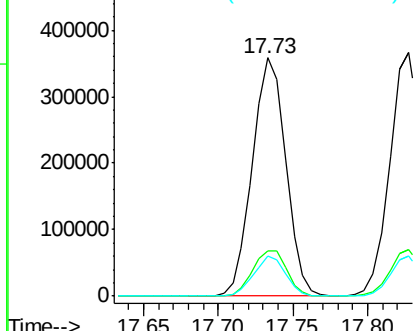


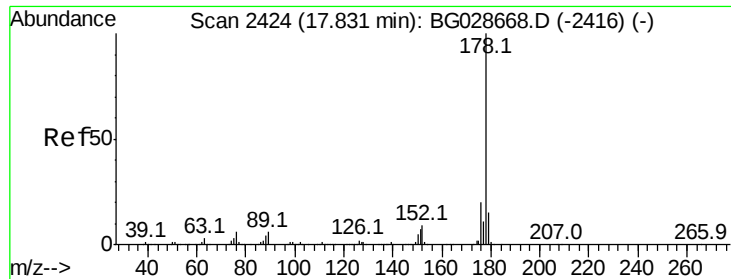
#70  
 Phenanthrene  
 Concen: 41.813 ng  
 RT: 17.73 min Scan# 2407  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.3  | 17.7  | 26.5  |
| 179     | 17.0  | 15.0  | 22.6  |



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

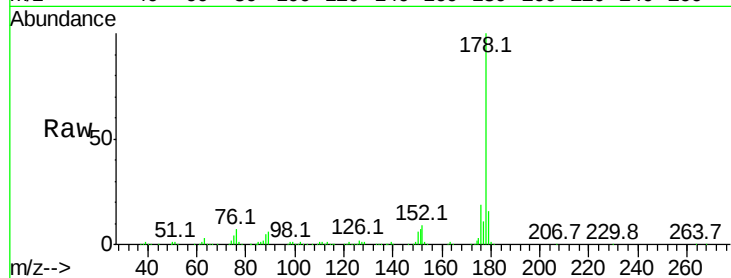




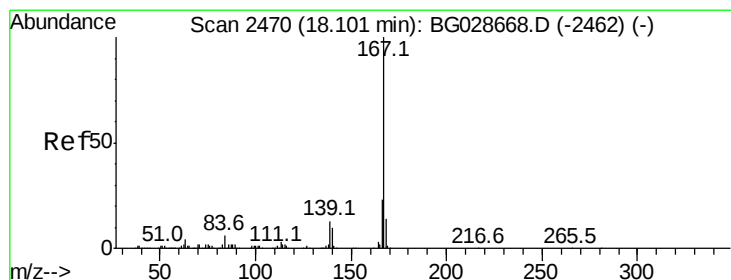
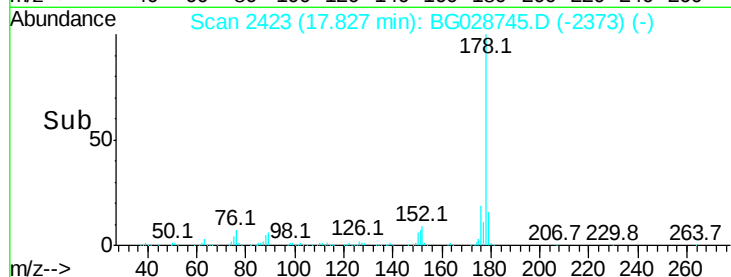
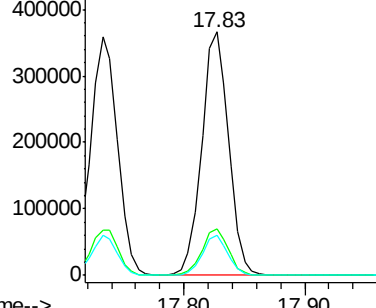
#71  
 Anthracene  
 Concen: 42.264 ng  
 RT: 17.83 min Scan# 2423  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 16.4  | 24.6  |
| 179     | 16.2  | 13.8  | 20.8  |

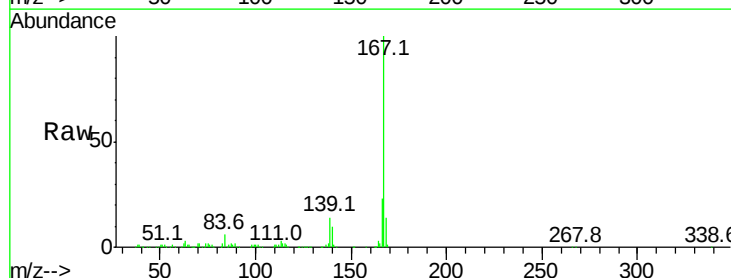


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

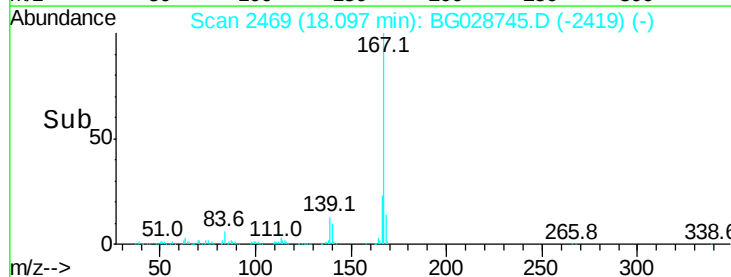
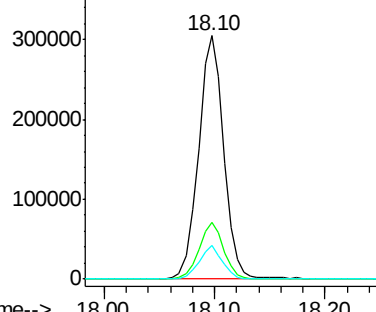


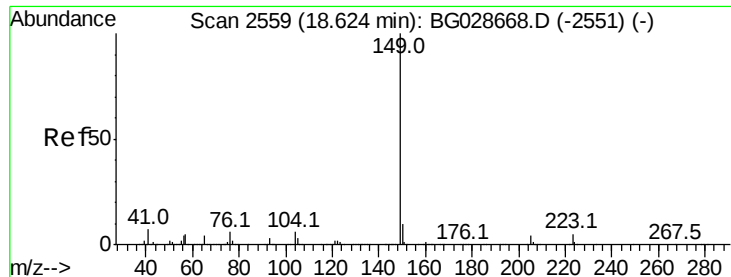
#72  
 Carbazole  
 Concen: 40.301 ng  
 RT: 18.10 min Scan# 2469  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.2  | 20.2  | 30.2  |
| 139     | 13.6  | 12.8  | 19.2  |



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

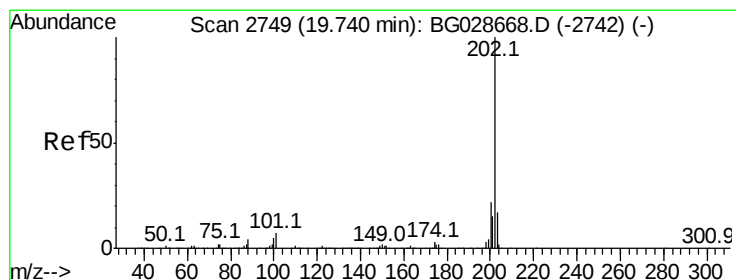
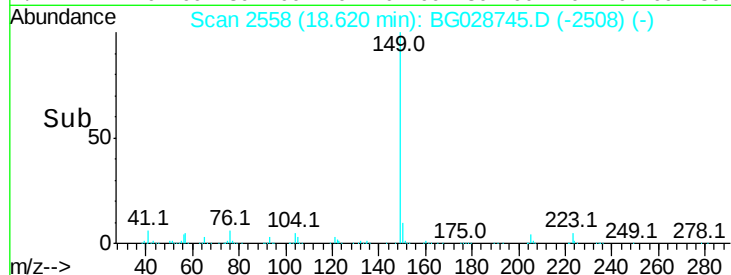
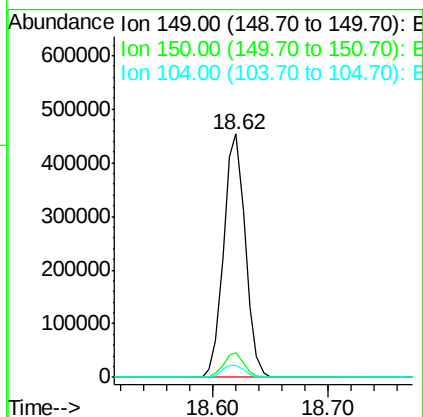
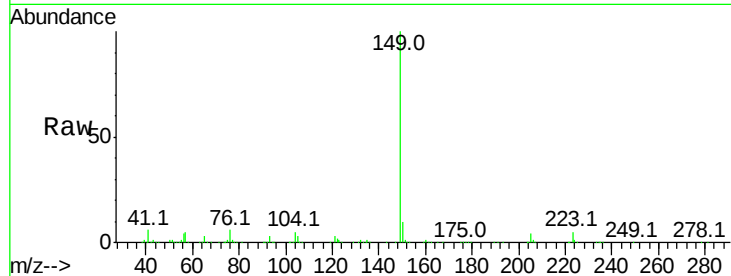




#73  
Di-n-butylphthalate  
Concen: 39.740 ng  
RT: 18.62 min Scan# 2558  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

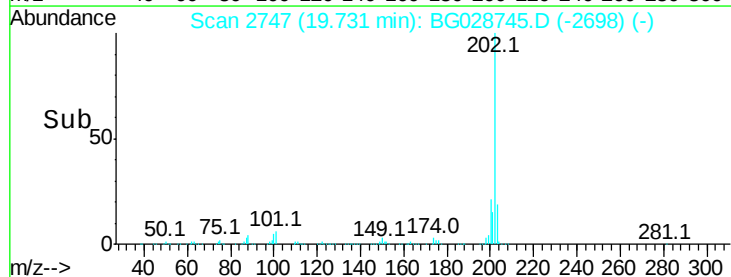
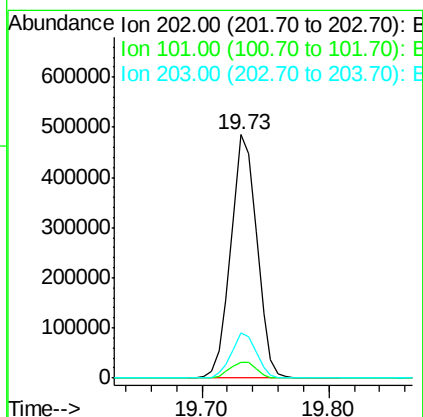
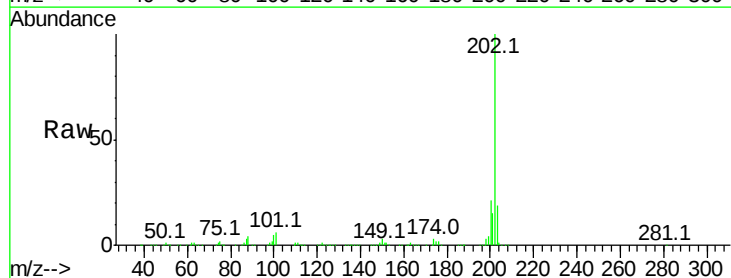
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 588392  
Ion Ratio Lower Upper  
149 100  
150 10.3 9.1 13.7  
104 4.9 6.7 10.1#



#74  
Fluoranthene  
Concen: 42.416 ng  
RT: 19.73 min Scan# 2747  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

Tgt Ion:202 Resp: 687387  
Ion Ratio Lower Upper  
202 100  
101 6.5 0.0 30.1  
203 18.5 1.3 41.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampled :

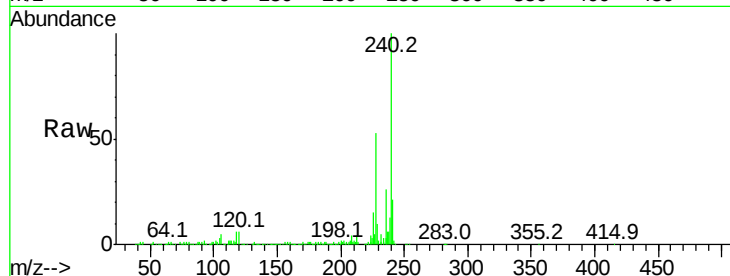
Tot Ion:240 Resp: 290684

Ion Ratio Lower Upper

240 100

120 6.4 5.7 8.5

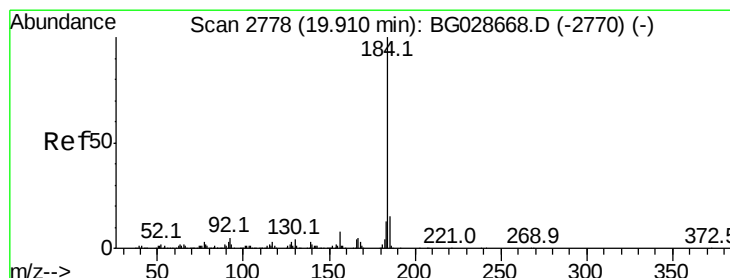
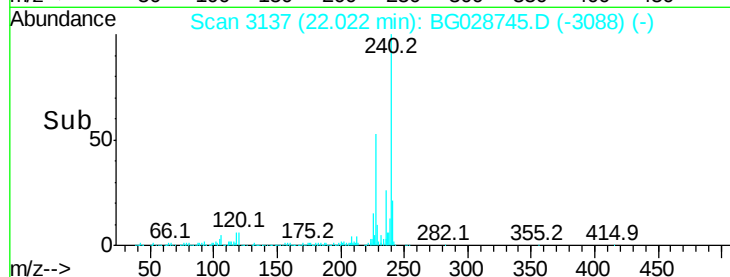
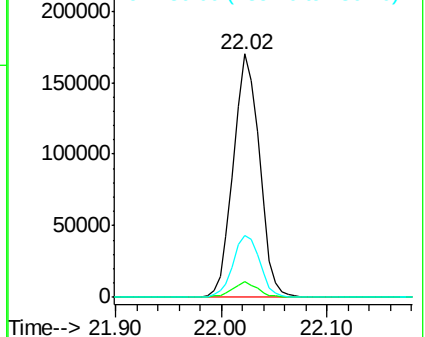
236 25.7 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 26.912 ng

RT: 19.91 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

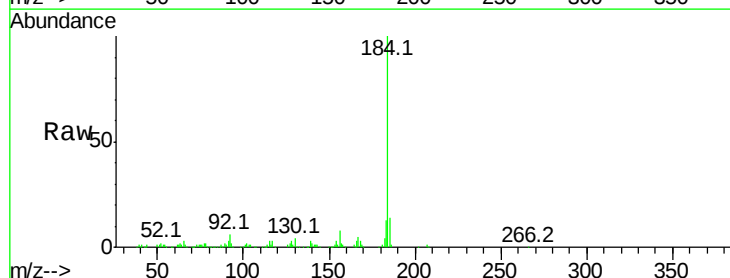
Tgt Ion:184 Resp: 202862

Ion Ratio Lower Upper

184 100

185 14.3 13.0 19.6

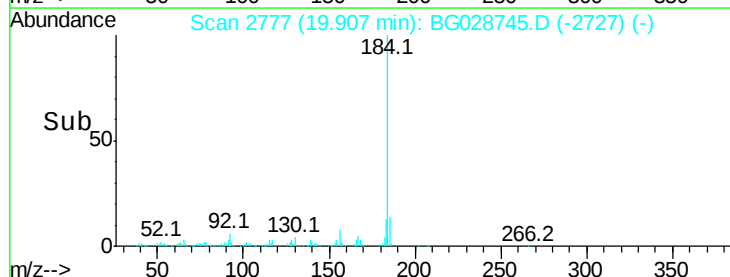
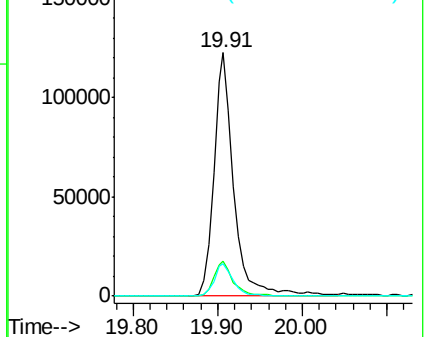
183 13.3 11.0 16.6

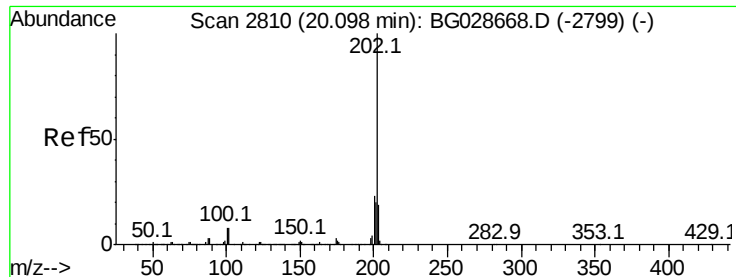


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 42.163 ng

RT: 20.09 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG028745.D

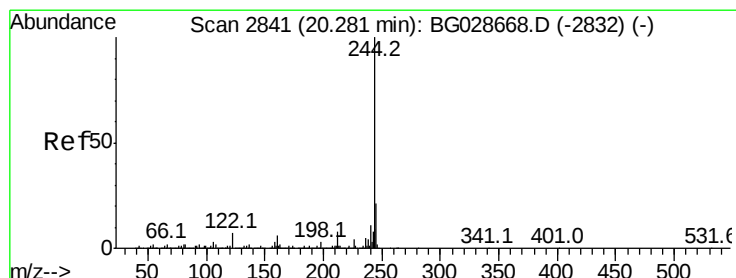
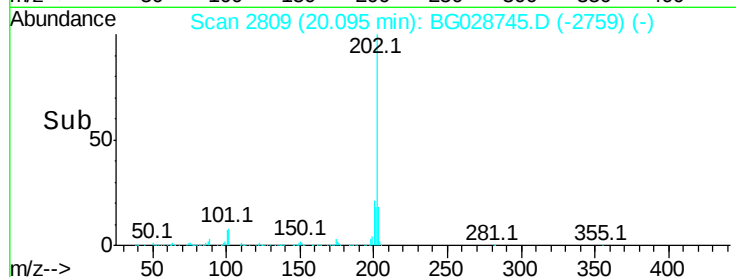
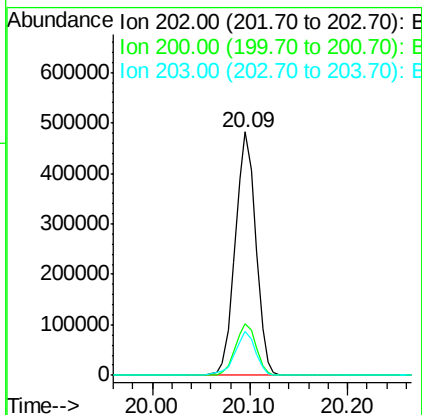
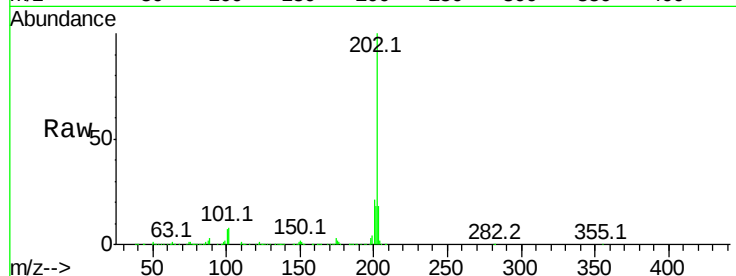
Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 706933 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 200      | 21.3  | 19.6  | 29.4   |
| 203      | 18.1  | 15.8  | 23.8   |



#78

Terphenyl-d14

Concen: 81.130 ng

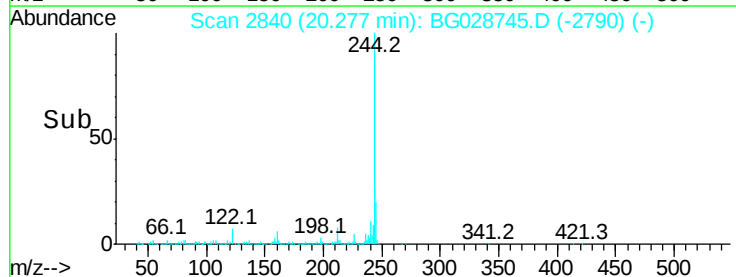
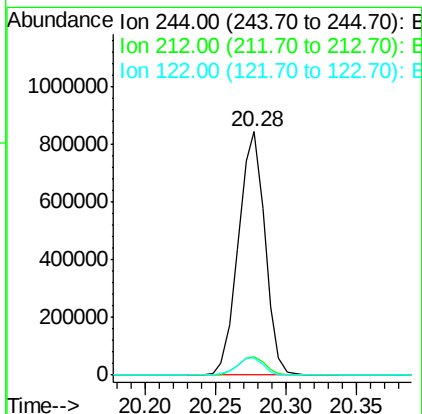
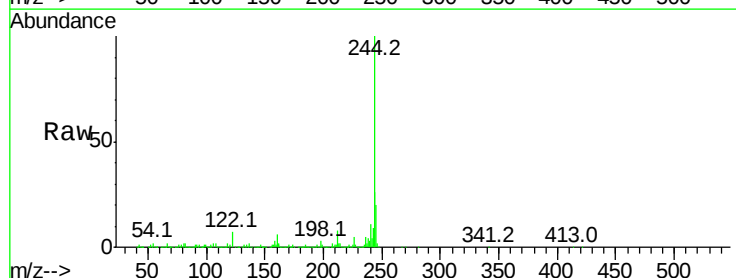
RT: 20.28 min Scan# 2840

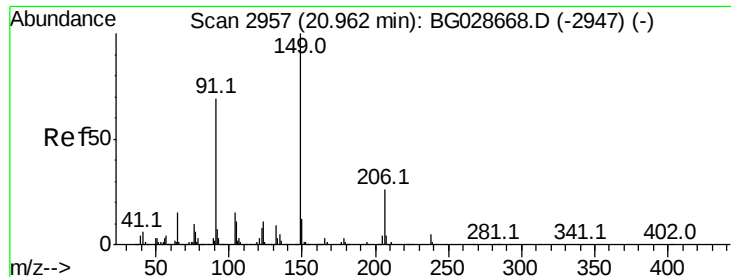
Delta R.T. -0.00 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 244   | Resp: | 1105860 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 7.8   | 10.0  | 15.0#   |
| 122      | 6.9   | 8.6   | 12.8#   |

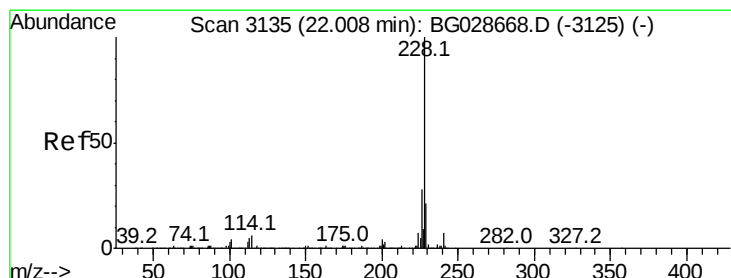
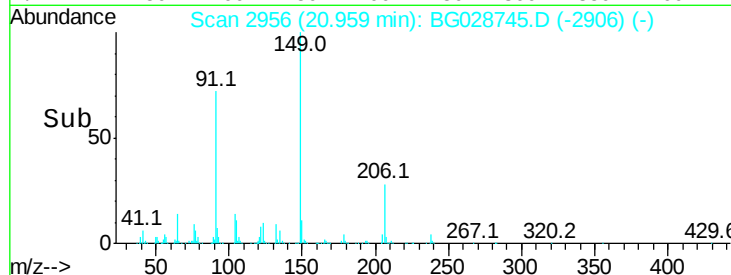
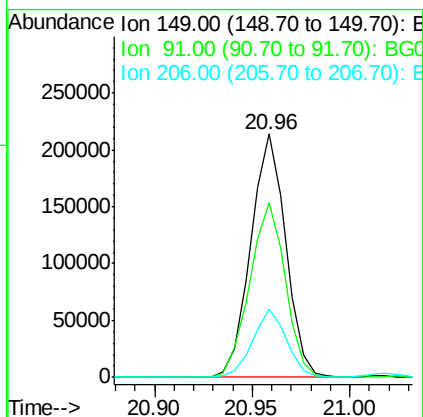
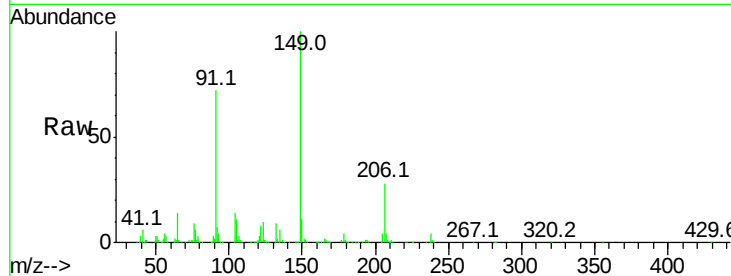




#79  
Butylbenzylphthalate  
Concen: 39.216 ng  
RT: 20.96 min Scan# 2956  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

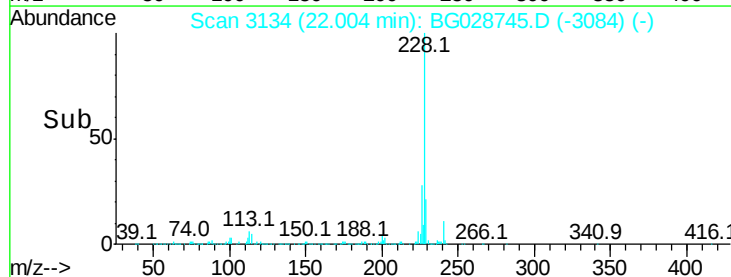
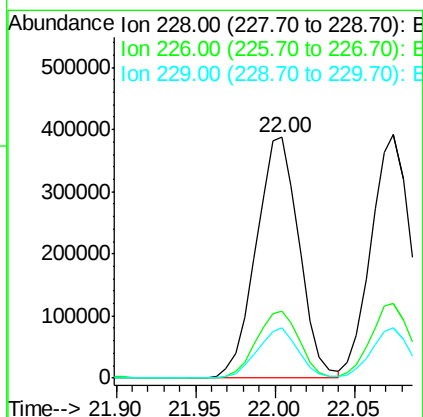
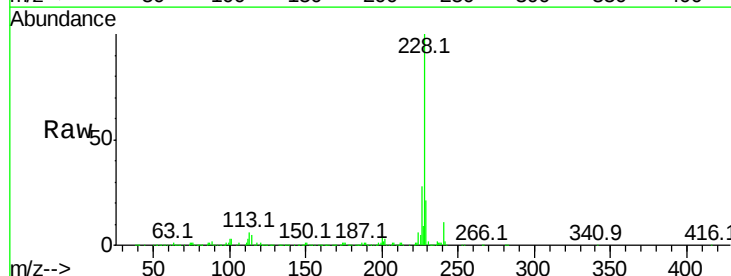
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 71.6  | 63.5  | 95.3  |
| 206     | 28.2  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 41.677 ng  
RT: 22.00 min Scan# 3134  
Delta R.T. -0.00 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.8  | 24.9  | 37.3  |
| 229     | 20.9  | 18.2  | 27.2  |

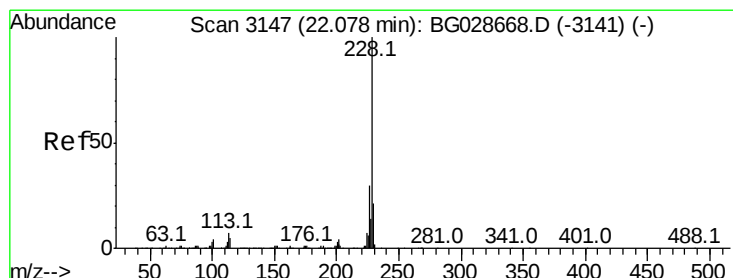
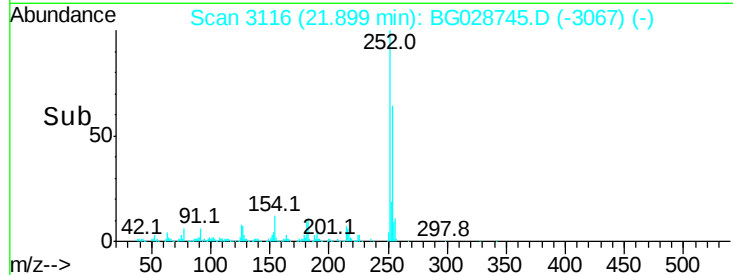
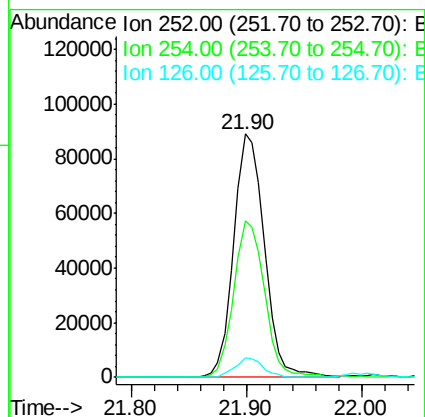
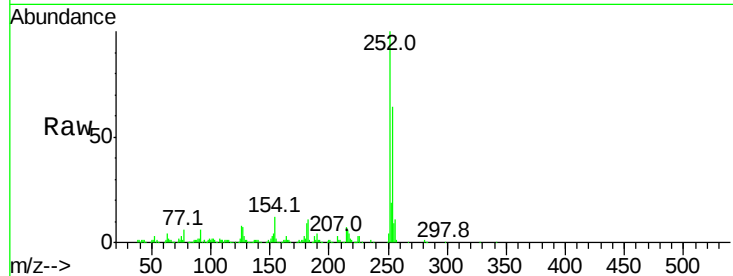




#81  
 3,3'-Dichlorobenzidine  
 Concen: 23.245 ng  
 RT: 21.90 min Scan# 3116  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

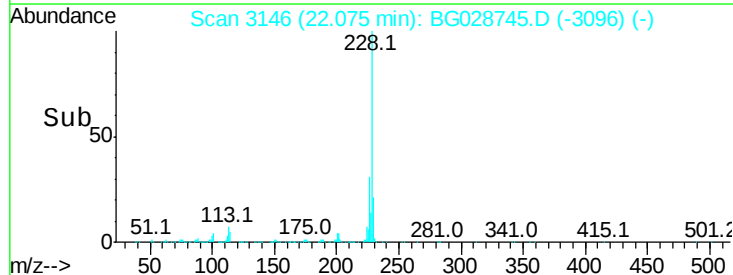
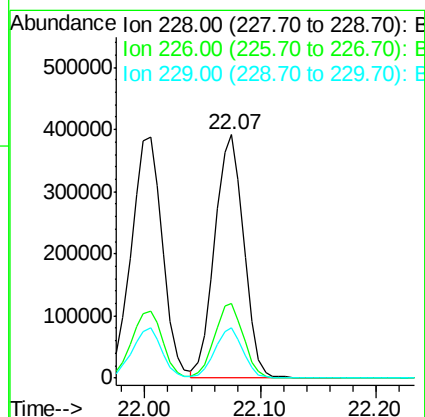
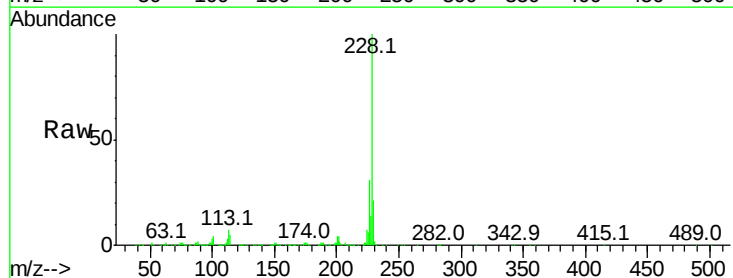
Instrument :  
 BNA\_G  
 ClientSampleId :

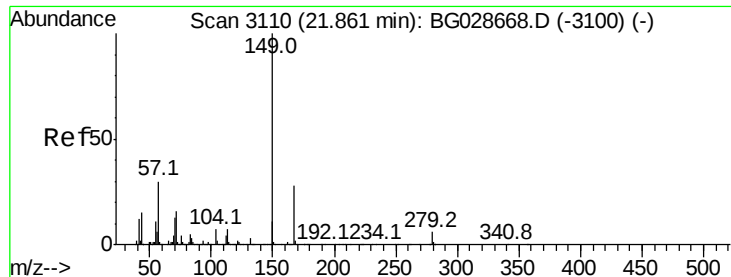
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.3  | 53.1  | 79.7  |
| 126     | 8.1   | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 41.085 ng  
 RT: 22.07 min Scan# 3146  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.8  | 27.0  | 40.4  |
| 229     | 20.6  | 17.8  | 26.6  |

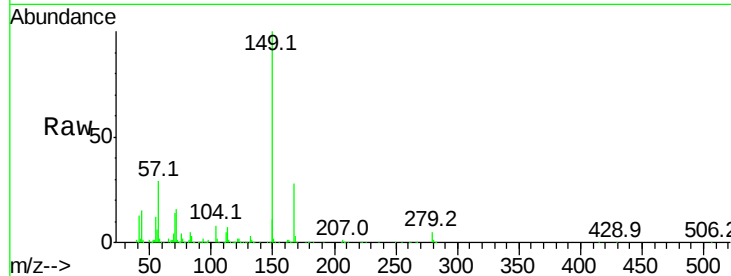




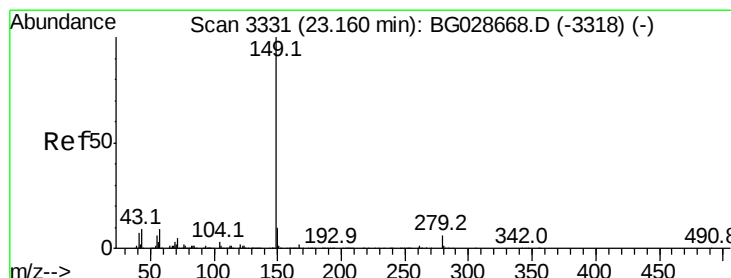
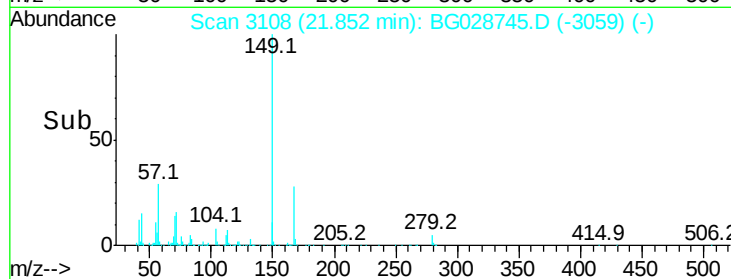
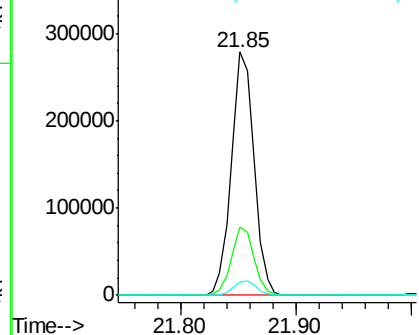
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 39.469 ng  
 RT: 21.85 min Scan# 3108  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.1  | 23.7  | 35.5  |
| 279     | 5.2   | 4.6   | 6.8   |

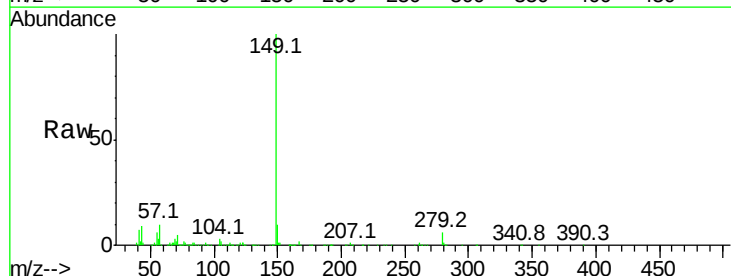


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

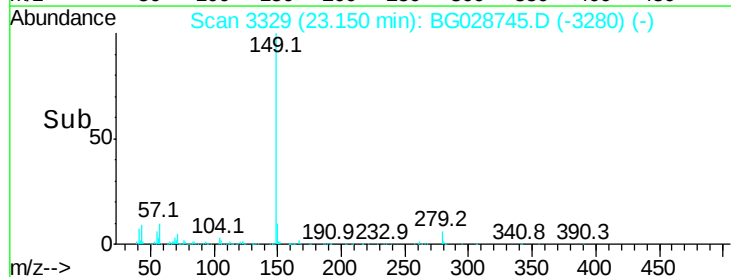
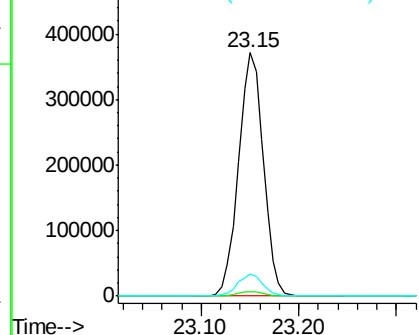


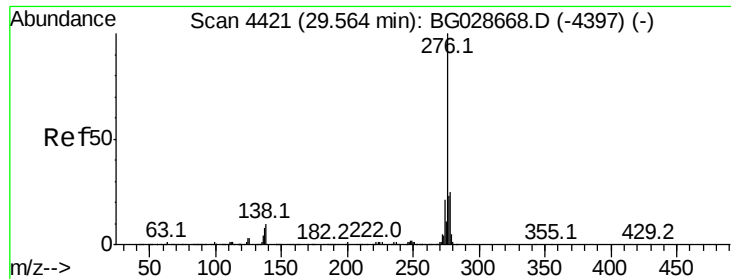
#84  
 Di-n-octyl phthalate  
 Concen: 38.990 ng  
 RT: 23.15 min Scan# 3329  
 Delta R.T. -0.01 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.4   | 2.2   |
| 43      | 9.1   | 11.8  | 17.6  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BG0

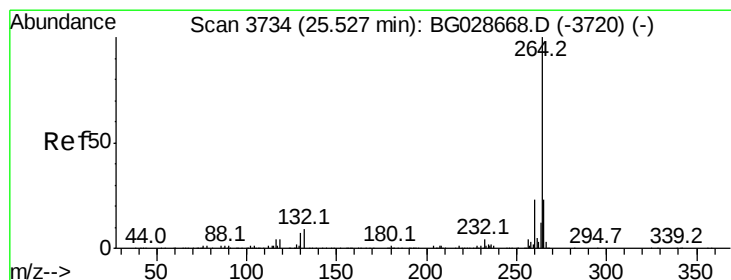
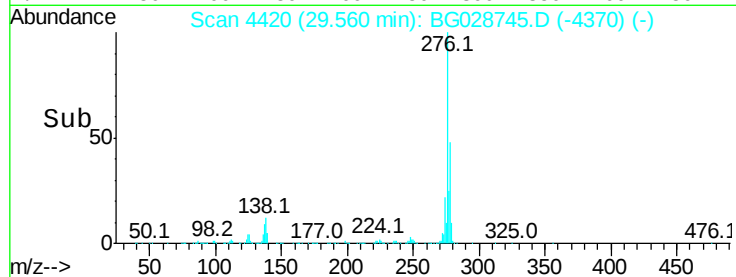
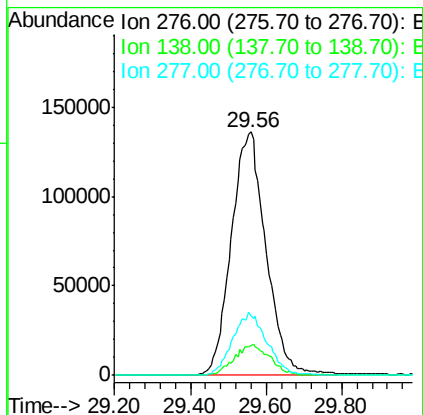
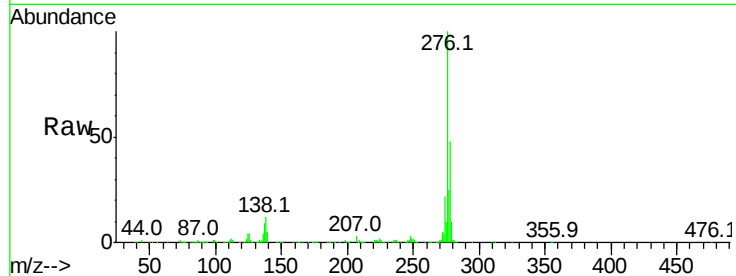




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.726 ng  
 RT: 29.56 min Scan# 4420  
 Delta R.T. -0.00 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

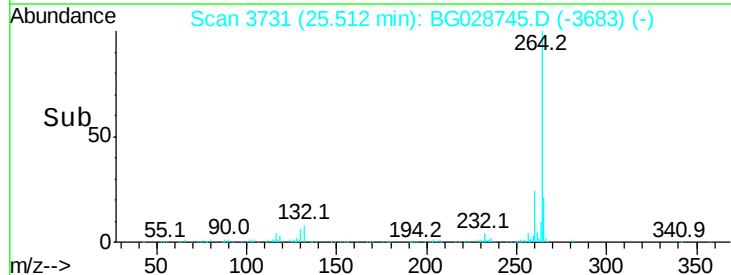
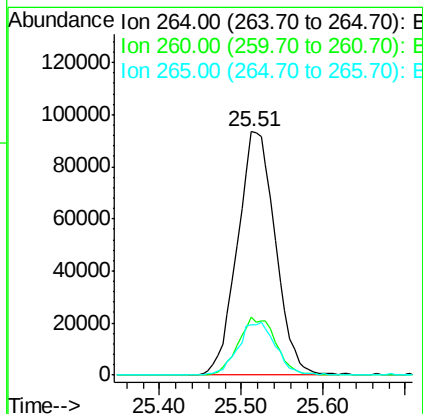
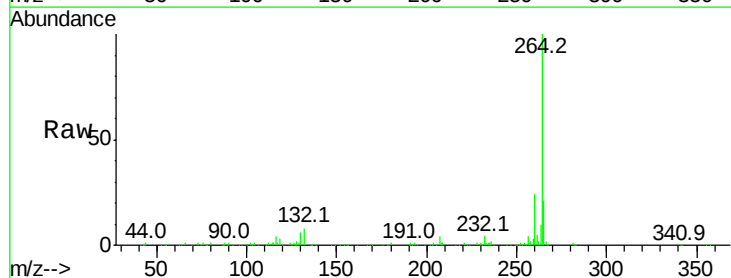
Instrument :  
 BNA\_G  
 ClientSampleId :

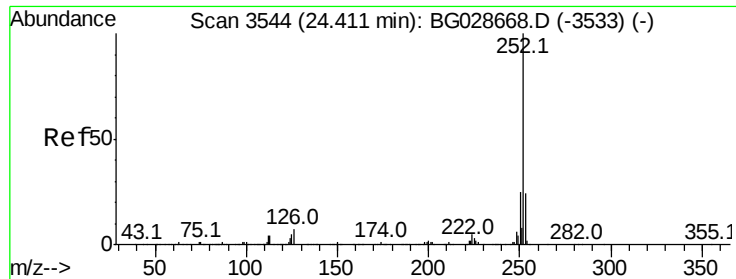
Tot Ion:276 Resp: 868730  
 Ion Ratio Lower Upper  
 276 100  
 138 13.0 4.7 7.1#  
 277 25.6 20.6 31.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.51 min Scan# 3731  
 Delta R.T. -0.02 min  
 Lab File: BG028745.D  
 Acq: 14 Sep 2017 23:20

Tgt Ion:264 Resp: 300565  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 21.8 32.8  
 265 20.9 18.2 27.4





#87

Benzo(b)fluoranthene

Concen: 40.568 ng

RT: 24.40 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

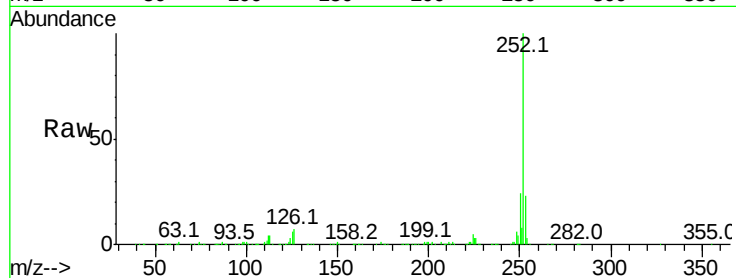
Tot Ion:252 Resp: 730521

Ion Ratio Lower Upper

252 100

253 23.2 18.7 28.1

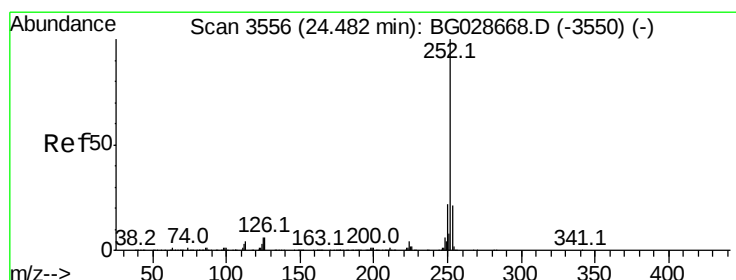
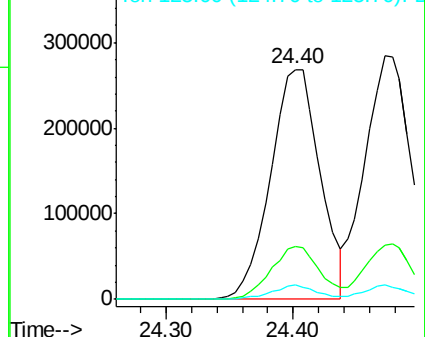
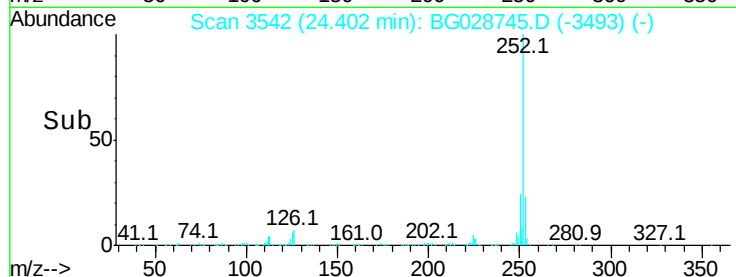
125 6.1 5.3 7.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 40.482 ng

RT: 24.47 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

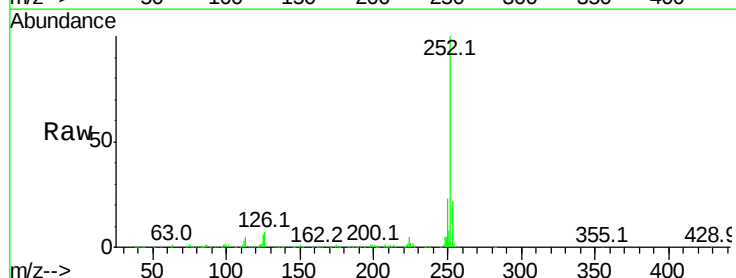
Tgt Ion:252 Resp: 728168

Ion Ratio Lower Upper

252 100

253 22.3 20.2 30.2

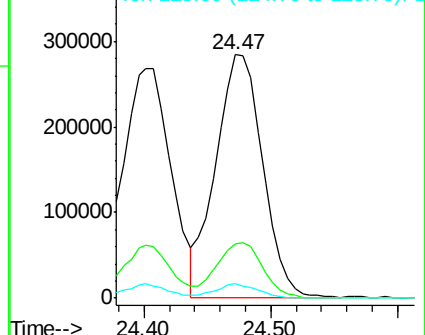
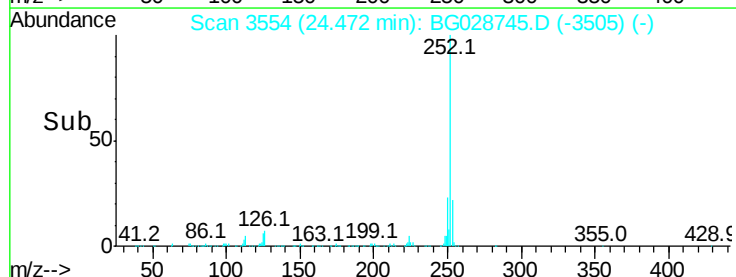
125 6.0 5.1 7.7

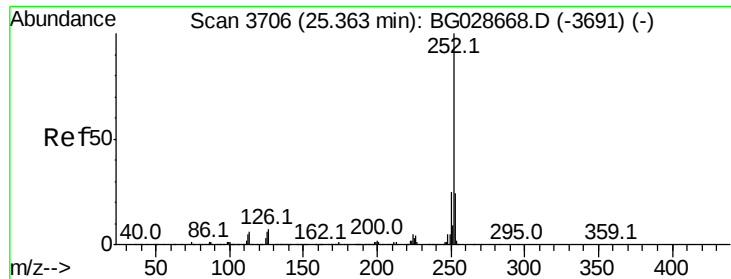


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

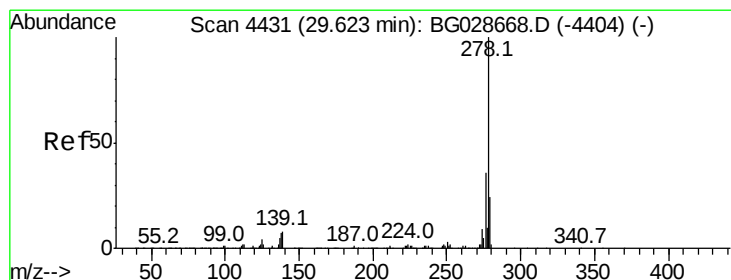
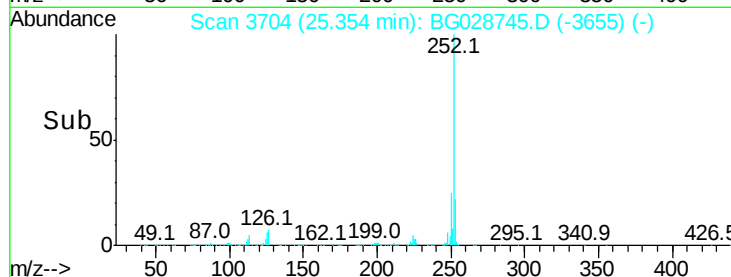
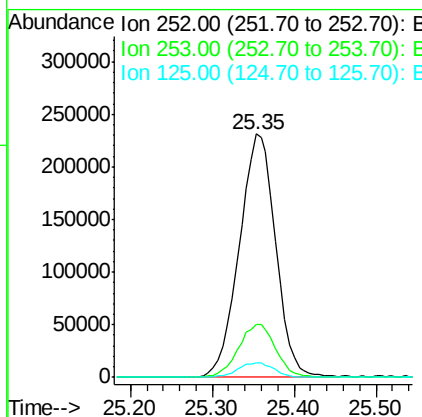
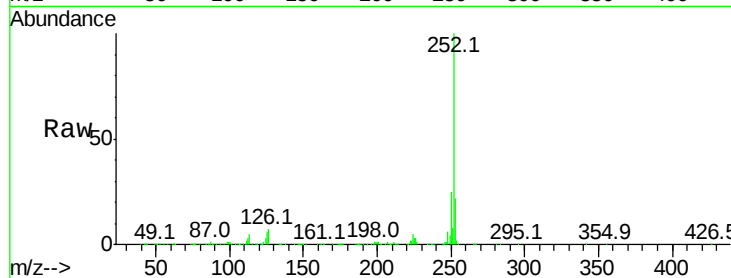




#89  
Benzo(a)pyrene  
Concen: 41.720 ng  
RT: 25.35 min Scan# 3704  
Delta R.T. -0.01 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

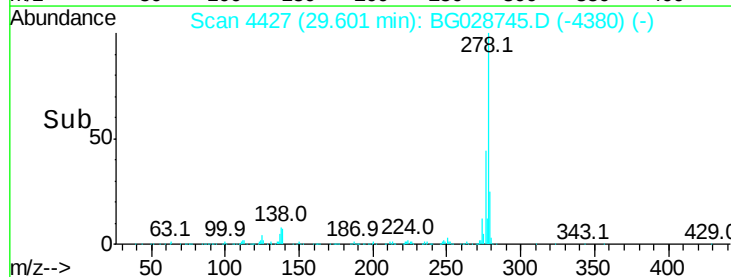
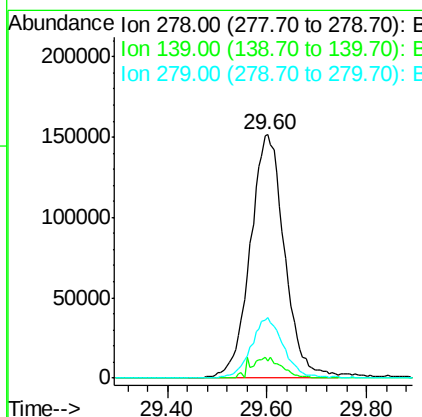
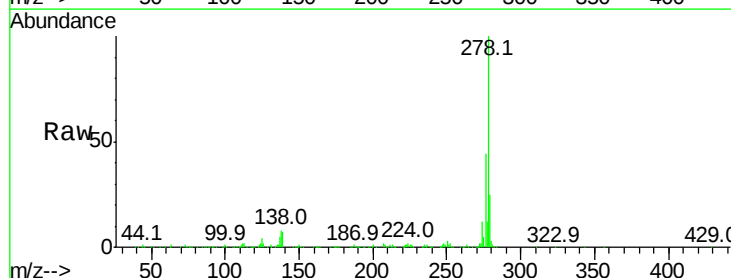
Instrument :  
BNA\_G  
ClientSampleId :

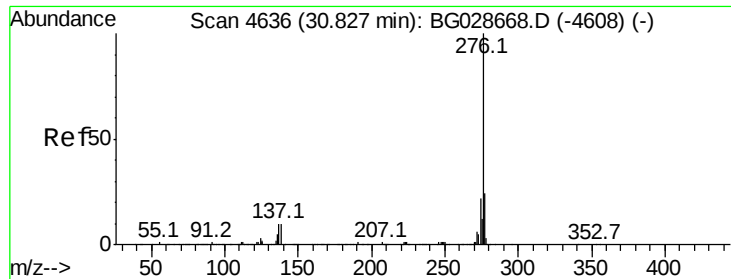
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 19.2  | 28.8  |
| 125     | 6.2   | 5.4   | 8.0   |



#90  
Dibenzo(a,h)anthracene  
Concen: 40.712 ng  
RT: 29.60 min Scan# 4427  
Delta R.T. -0.02 min  
Lab File: BG028745.D  
Acq: 14 Sep 2017 23:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 7.0   | 7.7   | 11.5# |
| 279     | 25.1  | 19.1  | 28.7  |





#91

Benzo(a,h,i)perylene

Concen: 41.141 ng

RT: 30.81 min Scan# 4633

Delta R.T. -0.02 min

Lab File: BG028745.D

Acq: 14 Sep 2017 23:20

Instrument :

BNA\_G

ClientSampleId :

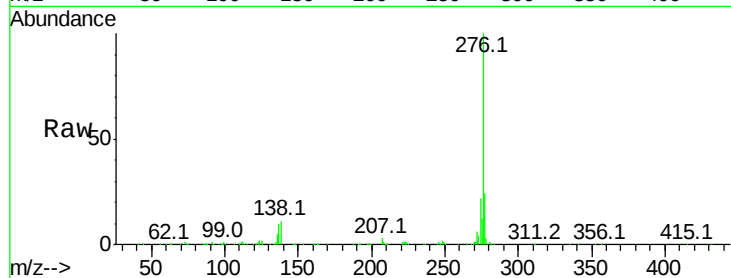
Tot Ion:276 Resp: 715341

Ion Ratio Lower Upper

276 100

277 24.1 18.6 27.8

138 10.7 8.1 12.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

