

Data File : BG025864.D  
Acq On : 17 Feb 2017 18:19  
Operator : SJ/MA  
Sample : PB97017BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

Quant Time: Feb 17 22:27:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 15:48:21 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 93388    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.89 | 136  | 455361   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.69 | 164  | 340636   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.42 | 188  | 753014   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.67 | 240  | 745375   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.89 | 264  | 735269   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.66  | 112 | 527555  | 98.35 | ng | 0.00 |
| 7) Phenol-d6                | 7.24  | 99  | 739459  | 93.16 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 9.24  | 82  | 596340  | 82.65 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 16.17 | 330 | 287222  | 91.27 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 13.32 | 172 | 1616803 | 82.94 | ng | 0.00 |
| 78) Terphenyl-d14           | 20.02 | 244 | 2298216 | 74.99 | ng | 0.00 |

|                                |       |     |        |       |    |        |
|--------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds               |       |     |        |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.55  | 88  | 77833  | 31.75 | ng | # 87   |
| 3) Pyridine                    | 3.95  | 79  | 235555 | 32.24 | ng | # 76   |
| 4) n-Nitrosodimethylamine      | 3.85  | 42  | 104660 | 39.84 | ng | # 42   |
| 6) Aniline                     | 7.41  | 93  | 248904 | 22.55 | ng | 93     |
| 8) 2-Chlorophenol              | 7.65  | 128 | 291868 | 45.78 | ng | 89     |
| 9) Benzaldehyde                | 7.22  | 77  | 49936  | 10.62 | ng | # 68   |
| 10) Phenol                     | 7.27  | 94  | 403734 | 46.81 | ng | # 73   |
| 11) bis(2-Chloroethyl)ether    | 7.50  | 93  | 269901 | 38.07 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 286189 | 38.84 | ng | # 89   |
| 13) 1,4-Dichlorobenzene        | 7.98  | 146 | 286189 | 38.34 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 282426 | 38.54 | ng | 92     |
| 15) Benzyl Alcohol             | 8.32  | 79  | 262016 | 45.08 | ng | # 80   |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 378583 | 36.80 | ng | 94     |
| 17) 2-Methylphenol             | 8.52  | 107 | 273811 | 44.06 | ng | # 82   |
| 18) Hexachloroethane           | 9.18  | 117 | 95925  | 38.77 | ng | 87     |
| 19) n-Nitroso-di-n-propylamine | 8.89  | 70  | 220402 | 38.02 | ng | # 84   |
| 20) 3+4-Methylphenols          | 8.84  | 107 | 385787 | 43.58 | ng | 86     |
| 22) Acetophenone               | 8.90  | 105 | 428724 | 39.24 | ng | # 80   |
| 24) Nitrobenzene               | 9.28  | 77  | 312893 | 40.10 | ng | # 81   |
| 25) Isophorone                 | 9.81  | 82  | 634149 | 39.94 | ng | # 92   |
| 26) 2-Nitrophenol              | 10.00 | 139 | 157570 | 43.18 | ng | # 68   |
| 27) 2,4-Dimethylphenol         | 10.05 | 122 | 314454 | 46.17 | ng | 88     |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93  | 398457 | 39.60 | ng | # 97   |
| 29) 2,4-Dichlorophenol         | 10.53 | 162 | 309471 | 47.61 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.75 | 180 | 284301 | 40.22 | ng | 98     |
| 31) Naphthalene                | 10.94 | 128 | 917462 | 38.97 | ng | 99     |
| 32) Benzoic acid               | 10.16 | 122 | 218638 | 42.05 | ng | # 81   |
| 33) 4-Chloroaniline            | 11.04 | 127 | 96041  | 9.39  | ng | # 87   |
| 34) Hexachlorobutadiene        | 11.23 | 225 | 155315 | 38.61 | ng | 99     |
| 35) Caprolactam                | 11.80 | 113 | 62543  | 23.83 | ng | # 79   |
| 36) 4-Chloro-3-methylphenol    | 12.14 | 107 | 362728 | 46.64 | ng | # 80   |
| 37) 2-Methylnaphthalene        | 12.54 | 142 | 726988 | 40.54 | ng | # 91   |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 316954 | 37.12 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.88 | 237 | 386334 | 82.69 | ng | 94     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.13 | 196  | 257717   | 46.74 | ng    | 94       |
| 43) 2,4,5-Trichlorophenol      | 13.20 | 196  | 274452   | 43.85 | ng #  | 93       |
| 45) 1,1'-Biphenyl              | 13.53 | 154  | 962469   | 38.99 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.58 | 162  | 712521   | 39.93 | ng    | 97       |
| 47) 2-Nitroaniline             | 13.76 | 65   | 250742   | 44.30 | ng #  | 73       |
| 48) Acenaphthylene             | 14.41 | 152  | 1269218  | 39.94 | ng    | 99       |
| 49) Dimethylphthalate          | 14.14 | 163  | 1013604  | 43.37 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.25 | 165  | 230124   | 43.84 | ng #  | 69       |
| 51) Acenaphthene               | 14.75 | 154  | 928570   | 44.25 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.57 | 138  | 109207   | 18.60 | ng #  | 75       |
| 53) 2,4-Dinitrophenol          | 14.79 | 184  | 264647   | 96.34 | ng #  | 86       |
| 54) Dibenzofuran               | 15.09 | 168  | 1212394  | 43.34 | ng    | 91       |
| 55) 4-Nitrophenol              | 14.88 | 139  | 450642   | 94.30 | ng #  | 48       |
| 56) 2,4-Dinitrotoluene         | 15.04 | 165  | 330536   | 46.80 | ng #  | 77       |
| 57) Fluorene                   | 15.73 | 166  | 1020279  | 40.81 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.30 | 232  | 270249   | 48.94 | ng    | 97       |
| 59) Diethylphthalate           | 15.50 | 149  | 1068410  | 44.20 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204  | 470746   | 40.64 | ng    | 95       |
| 61) 4-Nitroaniline             | 15.74 | 138  | 269472   | 44.27 | ng #  | 55       |
| 62) Azobenzene                 | 16.01 | 77   | 971624   | 46.76 | ng    | 87       |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198  | 182294   | 41.37 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.93 | 169  | 938127   | 41.08 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.61 | 248  | 322120   | 40.81 | ng    | 98       |
| 67) Hexachlorobenzene          | 16.73 | 284  | 320821   | 39.44 | ng    | 96       |
| 68) Atrazine                   | 16.87 | 200  | 329784   | 40.80 | ng    | 97       |
| 69) Pentachlorophenol          | 17.07 | 266  | 424863   | 84.67 | ng    | 99       |
| 70) Phenanthrene               | 17.47 | 178  | 1643459  | 40.20 | ng    | 97       |
| 71) Anthracene                 | 17.55 | 178  | 1690622  | 40.57 | ng    | 99       |
| 72) Carbazole                  | 17.81 | 167  | 1611823  | 38.50 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.38 | 149  | 1859799  | 45.25 | ng #  | 94       |
| 74) Fluoranthene               | 19.46 | 202  | 1876177  | 41.69 | ng    | 94       |
| 76) Benzidine                  | 19.63 | 184  | 529676   | 22.51 | ng    | 99       |
| 77) Pyrene                     | 19.82 | 202  | 1897892  | 40.26 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.70 | 149  | 809600   | 45.25 | ng    | 90       |
| 80) Benzo(a)anthracene         | 21.65 | 228  | 1780260  | 40.91 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.57 | 252  | 347971   | 22.43 | ng #  | 98       |
| 82) Chrysene                   | 21.72 | 228  | 1625284  | 38.84 | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 1168577  | 45.24 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.78 | 149  | 1999276  | 46.87 | ng #  | 87       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.55 | 276  | 2087725  | 42.36 | ng #  | 87       |
| 87) Benzo(b)fluoranthene       | 23.86 | 252  | 1800382  | 40.88 | ng #  | 96       |
| 88) Benzo(k)fluoranthene       | 23.93 | 252  | 1777229  | 41.36 | ng #  | 94       |
| 89) Benzo(a)pyrene             | 24.73 | 252  | 1756734  | 42.13 | ng #  | 94       |
| 90) Dibenzo(a,h)anthracene     | 28.61 | 278  | 1732421  | 41.36 | ng #  | 92       |
| 91) Benzo(g,h,i)perylene       | 29.69 | 276  | 1734827  | 41.30 | ng #  | 86       |

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

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PB97017BS

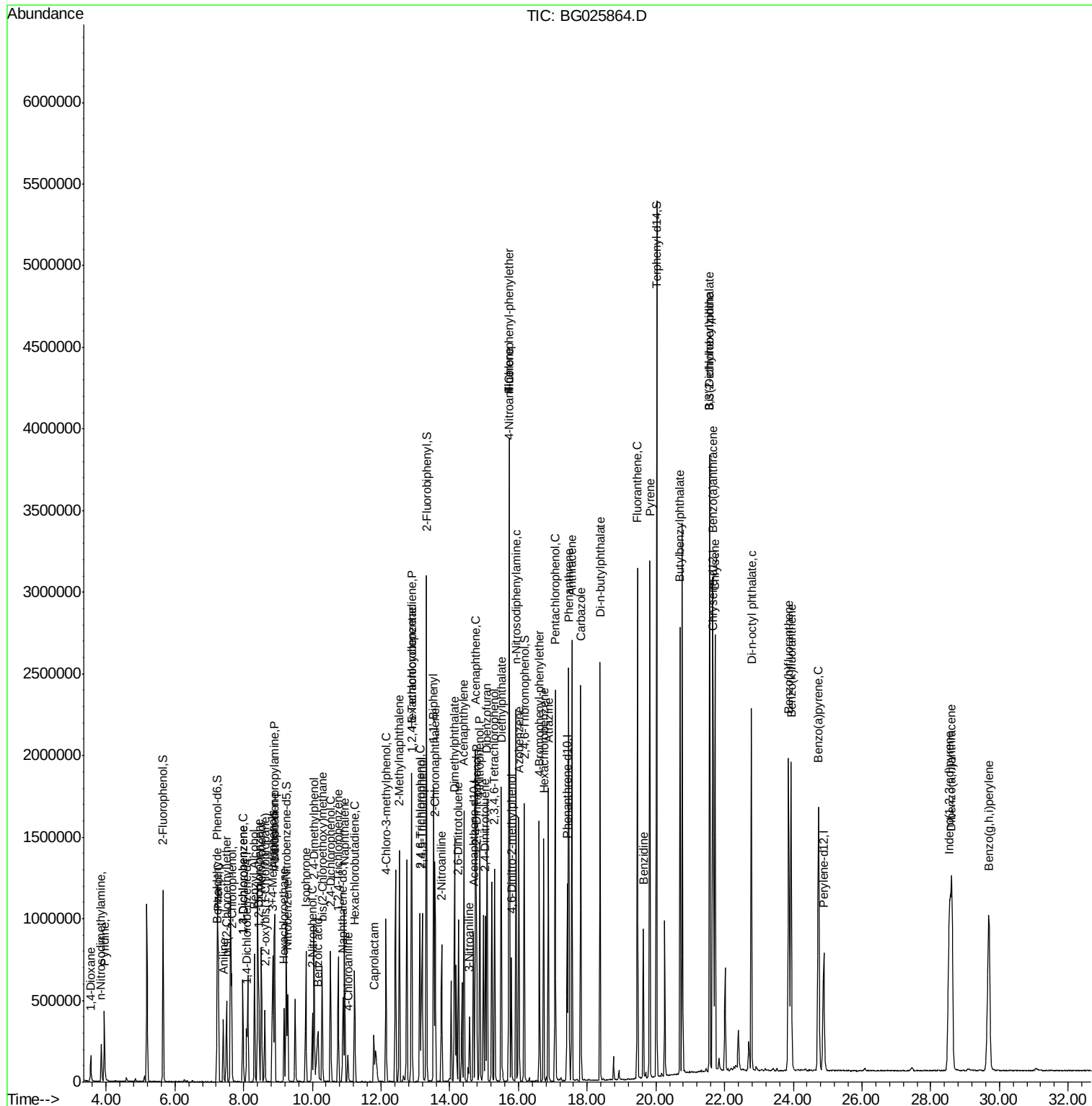
Quant Time: Feb 17 22:27:28 2017

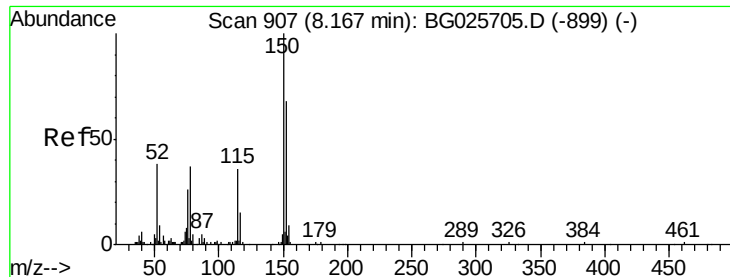
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 808

Delta R.T. 0.00 min

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Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

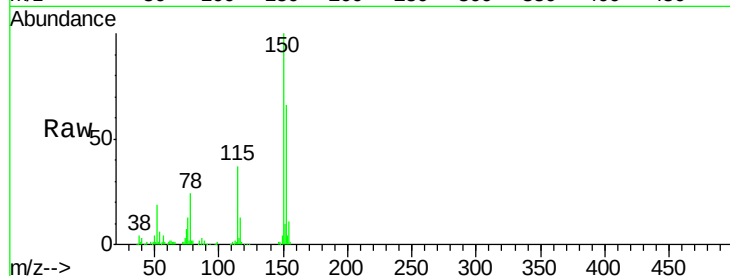
Tgt Ion:152 Resp: 93388

Ion Ratio Lower Upper

152 100

150 150.5 114.0 171.0

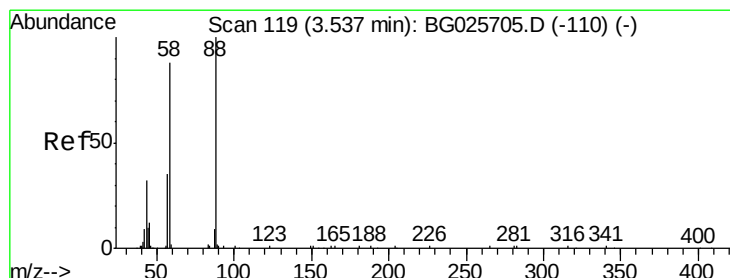
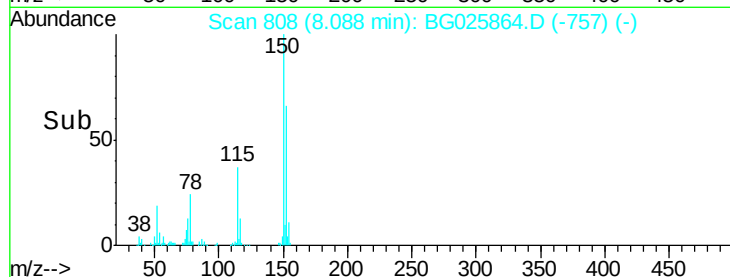
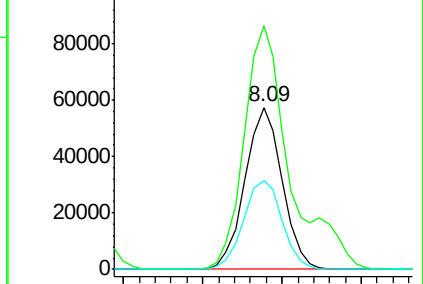
115 55.2 48.1 72.1



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: 31.75 ng

RT: 3.55 min Scan# 36

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

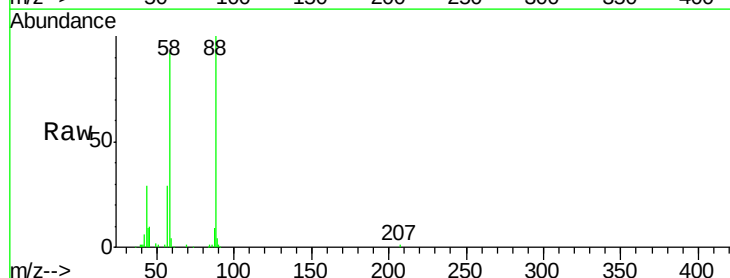
Tgt Ion: 88 Resp: 77833

Ion Ratio Lower Upper

88 100

58 90.1 79.4 119.2

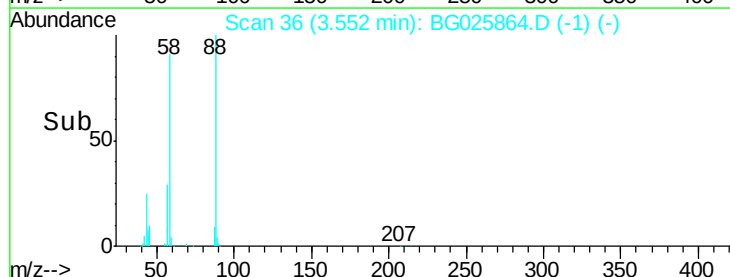
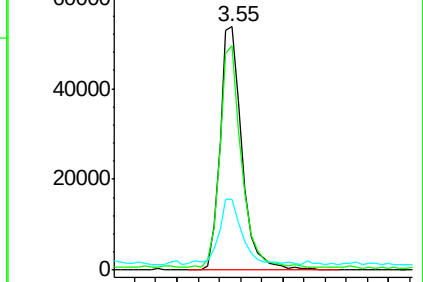
43 28.8 33.8 50.6#

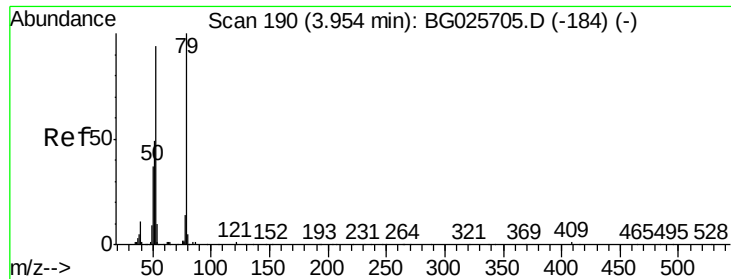


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.24 ng

RT: 3.95 min Scan# 103

Delta R.T. -0.01 min

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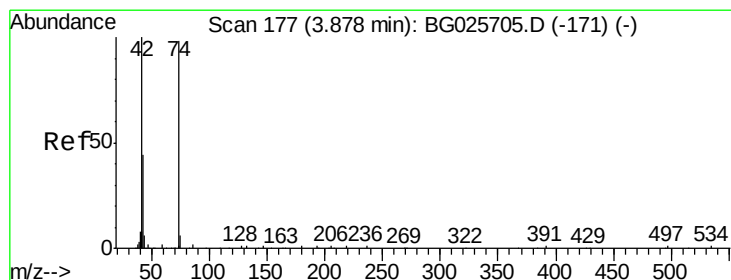
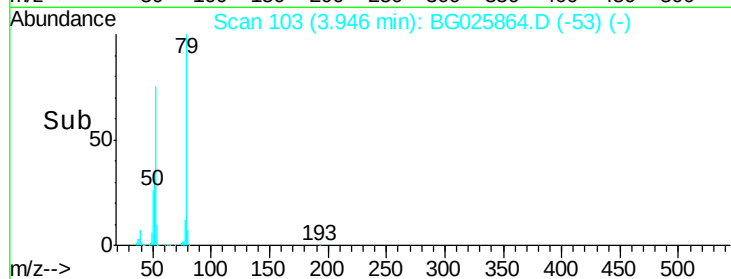
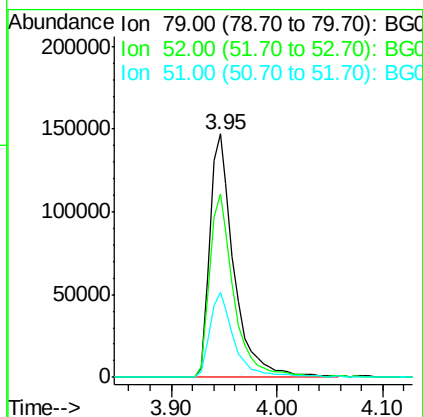
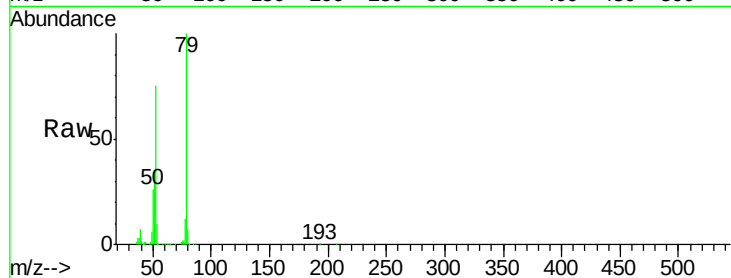
Tgt Ion: 79 Resp: 235555

Ion Ratio Lower Upper

79 100

52 75.3 77.8 116.6#

51 34.7 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 39.84 ng

RT: 3.85 min Scan# 87

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

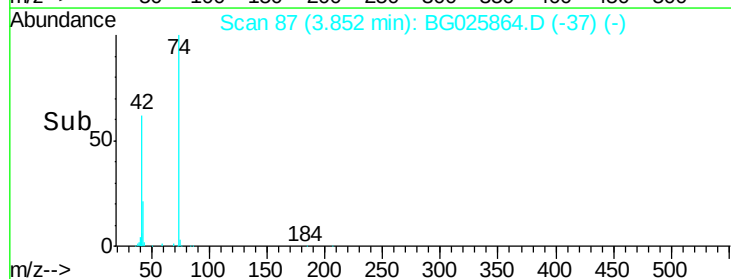
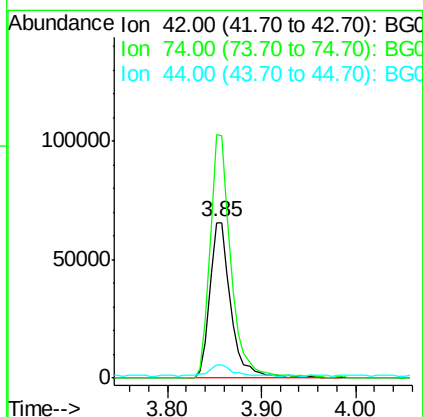
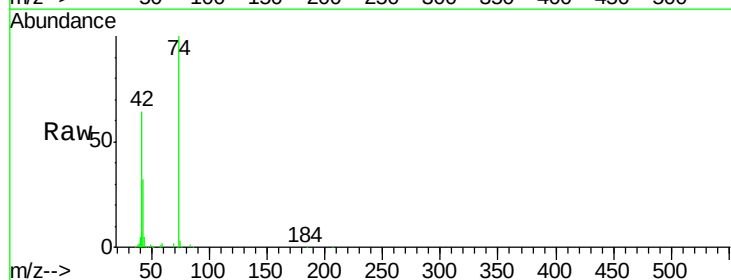
Tgt Ion: 42 Resp: 104660

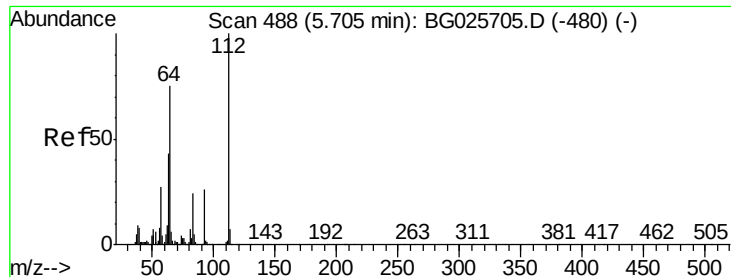
Ion Ratio Lower Upper

42 100

74 156.4 76.7 115.1#

44 8.2 6.1 9.1





#5

2-Fluorophenol

Concen: 98.35 ng

RT: 5.66 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

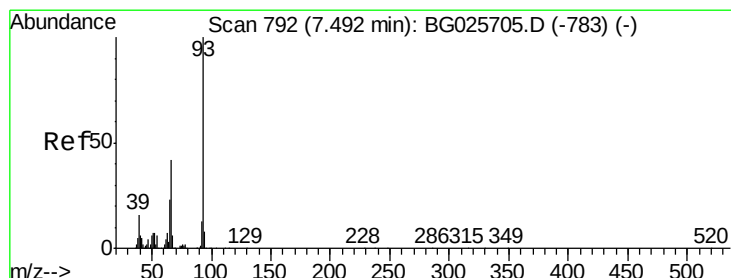
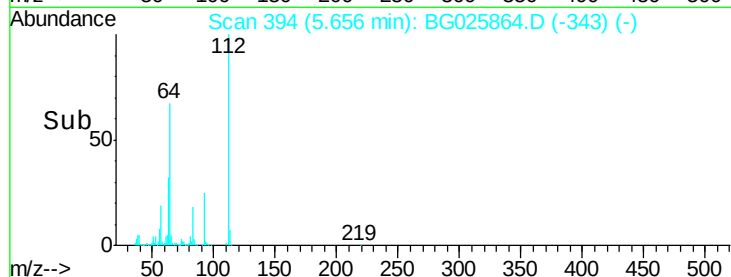
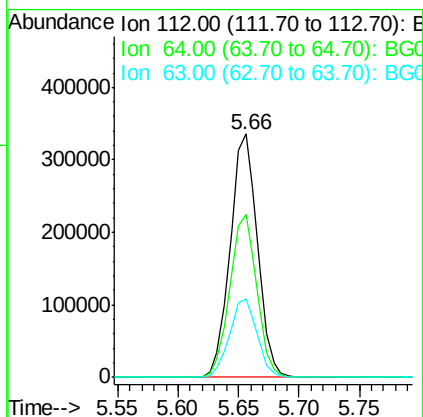
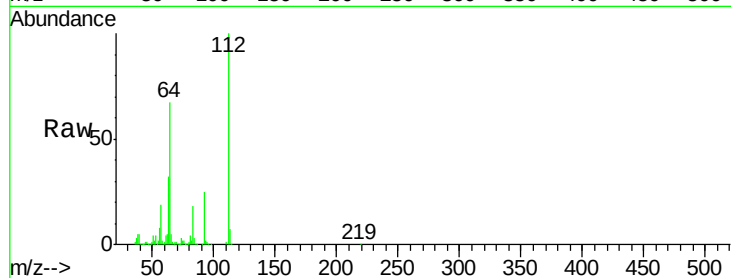
Instrument :

BNA\_G

ClientSampleId :

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 527555 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 66.9  | 61.8  | 92.6   |
| 63       | 32.4  | 37.2  | 55.8#  |



#6

Aniline

Concen: 22.55 ng

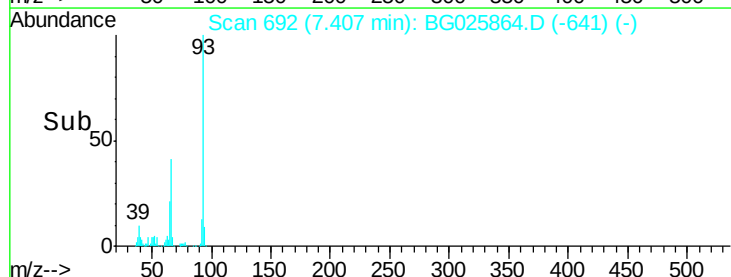
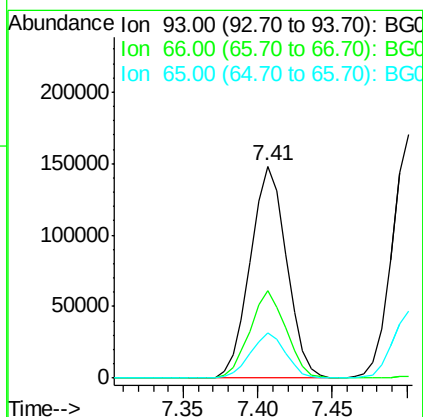
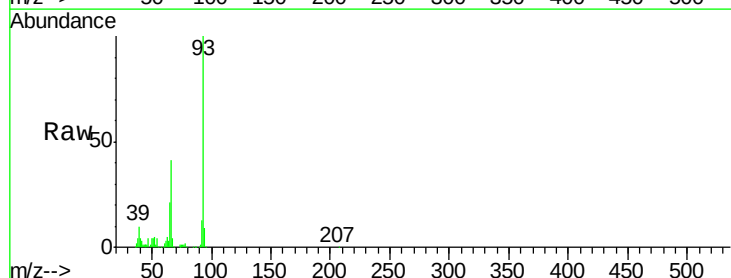
RT: 7.41 min Scan# 692

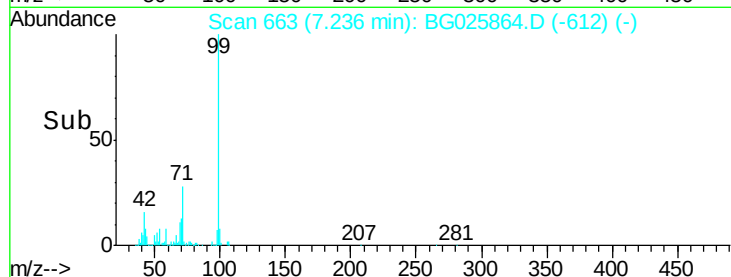
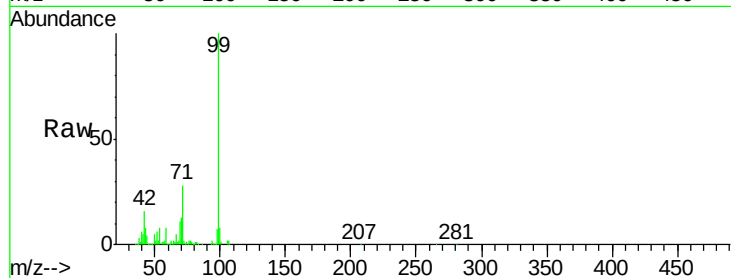
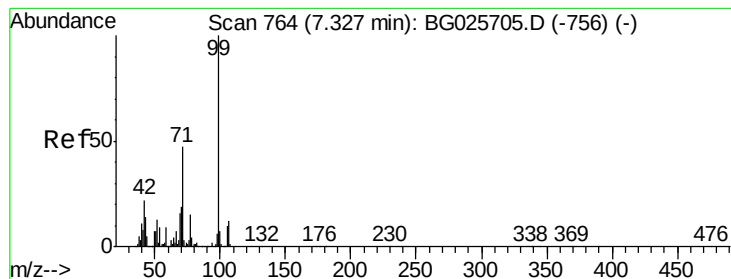
Delta R.T. 0.00 min

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 248904 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 66       | 41.4  | 35.4  | 53.2   |
| 65       | 21.3  | 21.2  | 31.8   |





#7

Phenol-d6

Concen: 93.16 ng

RT: 7.24 min Scan# 663

Delta R.T. 0.00 min

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Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

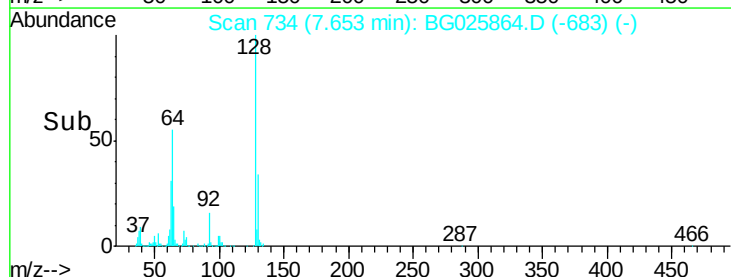
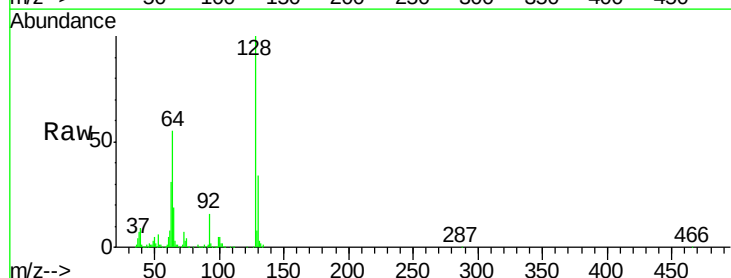
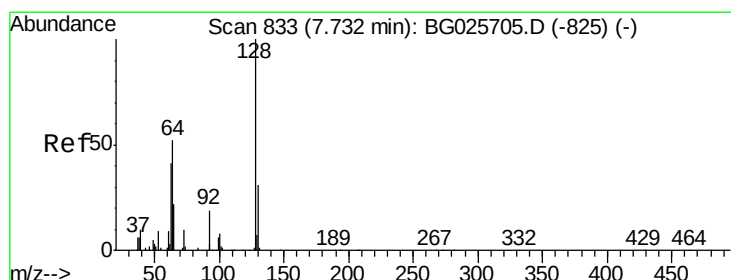
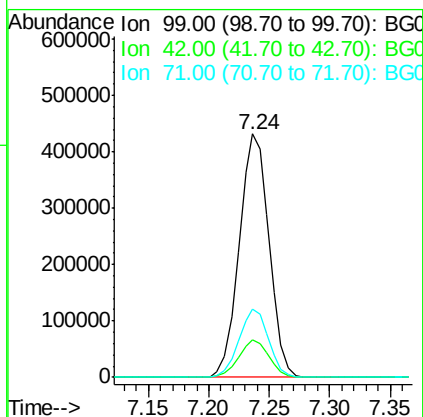
Tgt Ion: 99 Resp: 739459

Ion Ratio Lower Upper

99 100

42 15.7 20.5 30.7#

71 28.1 37.6 56.4#



#8

2-Chlorophenol

Concen: 45.78 ng

RT: 7.65 min Scan# 734

Delta R.T. 0.00 min

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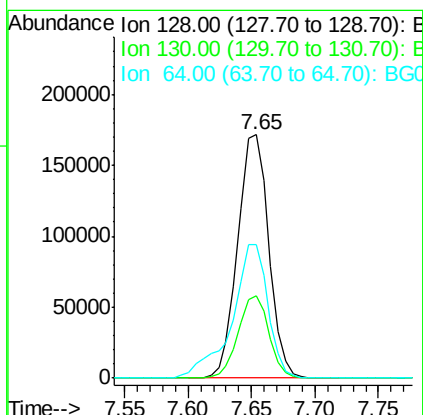
Tgt Ion: 128 Resp: 291868

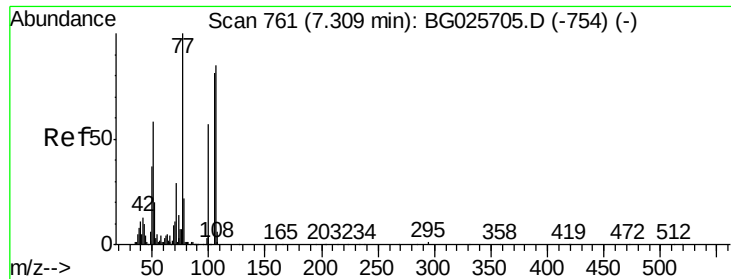
Ion Ratio Lower Upper

128 100

130 33.6 11.4 51.4

64 54.9 46.6 86.6





#9

Benzaldehyde

Concen: 10.62 ng

RT: 7.22 min Scan# 660

Delta R.T. -0.01 min

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ClientSampleId :

PB97017BS

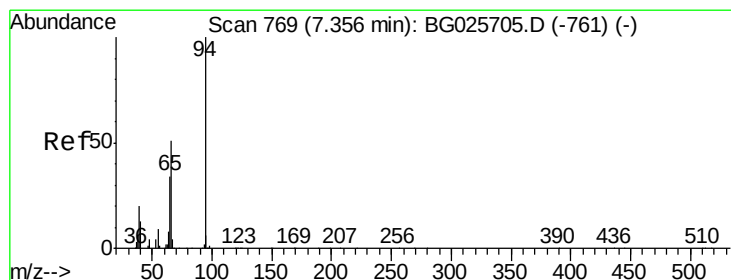
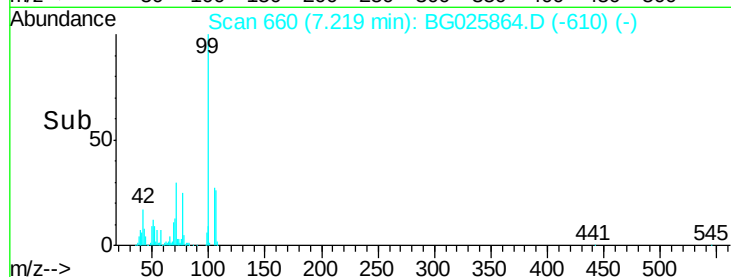
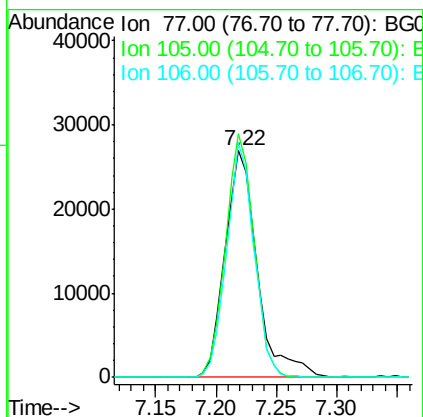
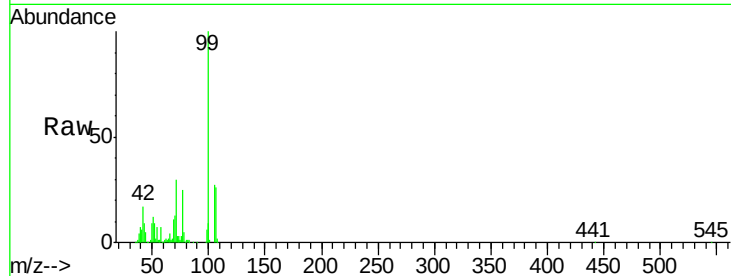
Tgt Ion: 77 Resp: 49936

Ion Ratio Lower Upper

77 100

105 107.6 60.9 100.9#

106 103.9 55.1 95.1#



#10

Phenol

Concen: 46.81 ng

RT: 7.27 min Scan# 668

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

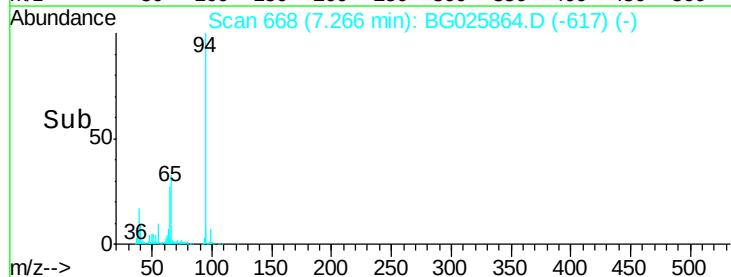
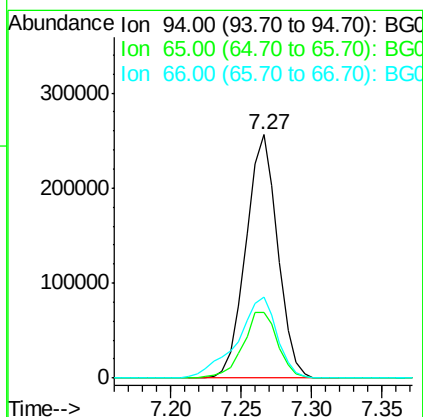
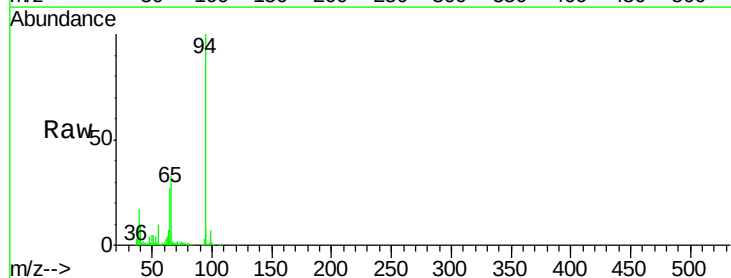
Tgt Ion: 94 Resp: 403734

Ion Ratio Lower Upper

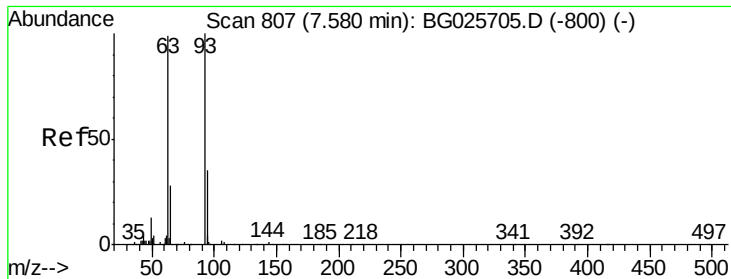
94 100

65 27.2 20.6 60.6

66 33.1 35.5 75.5#



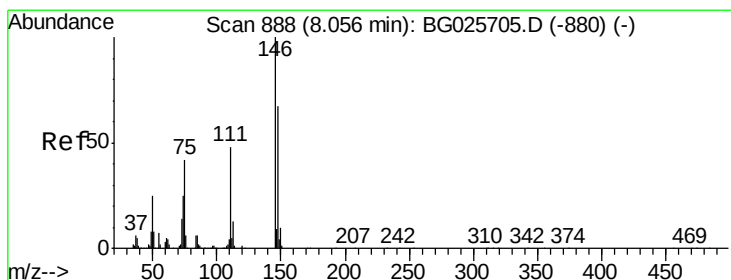
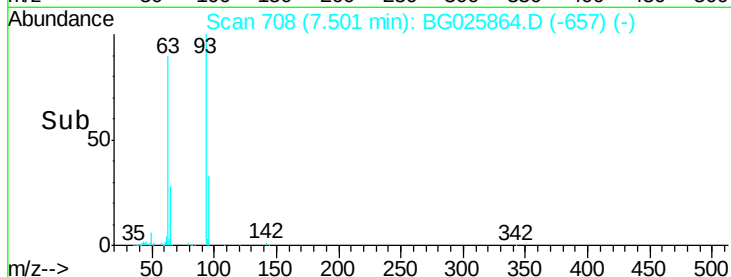
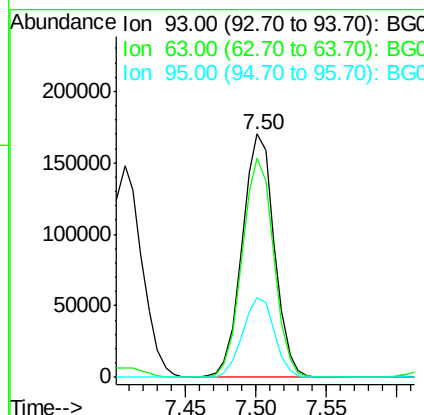
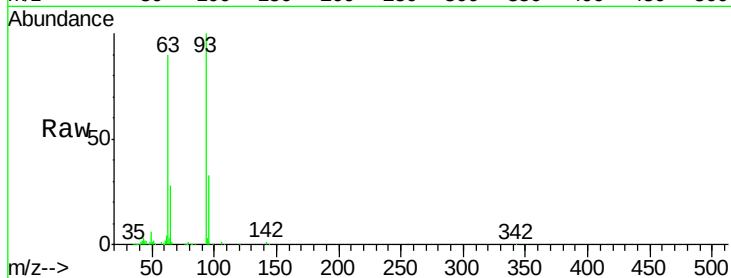




#11  
 bis(2-Chloroethyl)ether  
 Concen: 38.07 ng  
 RT: 7.50 min Scan# 708  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

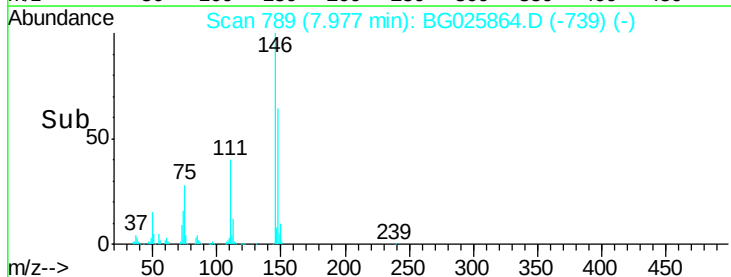
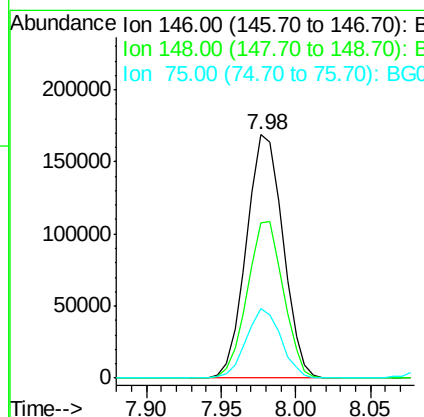
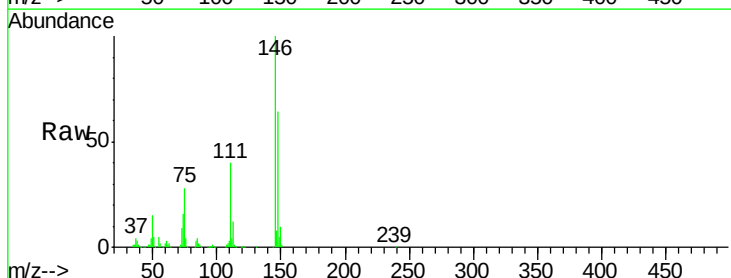
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

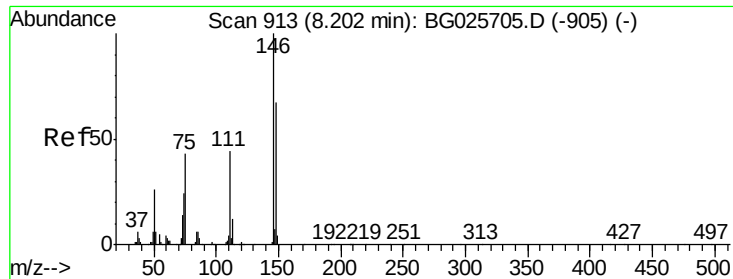
Tgt Ion: 93 Resp: 269901  
 Ion Ratio Lower Upper  
 93 100  
 63 90.0 78.5 118.5  
 95 33.0 9.8 49.8



#12  
 1,3-Dichlorobenzene  
 Concen: 38.84 ng  
 RT: 7.98 min Scan# 789  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion: 146 Resp: 286189  
 Ion Ratio Lower Upper  
 146 100  
 148 64.0 49.2 73.8  
 75 28.3 33.4 50.2#

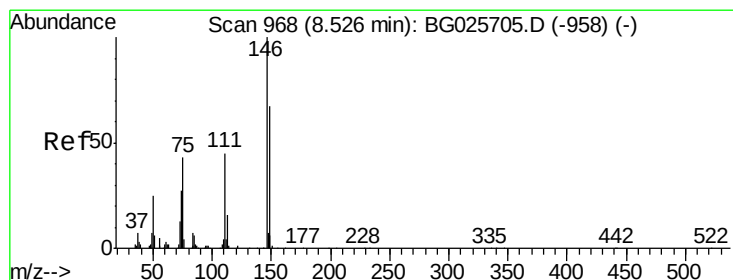
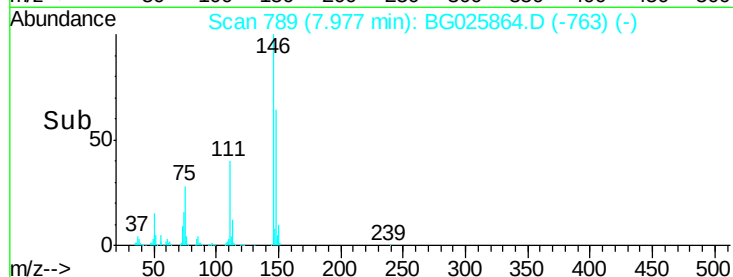
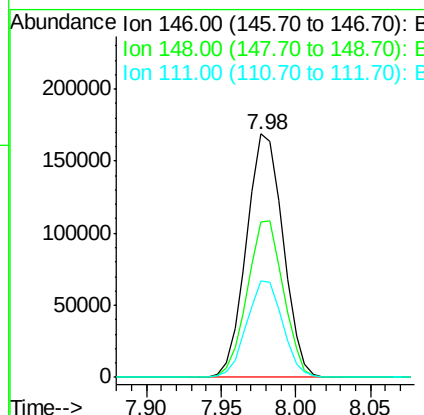
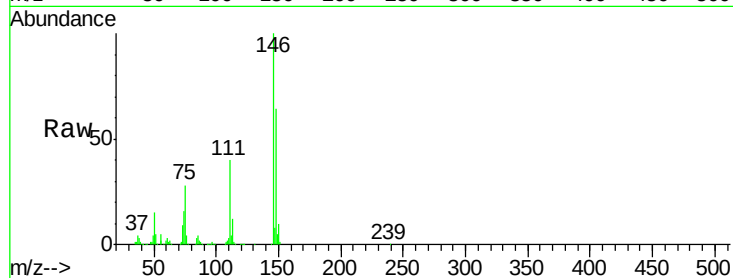




#13  
 1,4-Dichlorobenzene  
 Concen: 38.34 ng  
 RT: 7.98 min Scan# 789  
 Delta R.T. -0.15 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

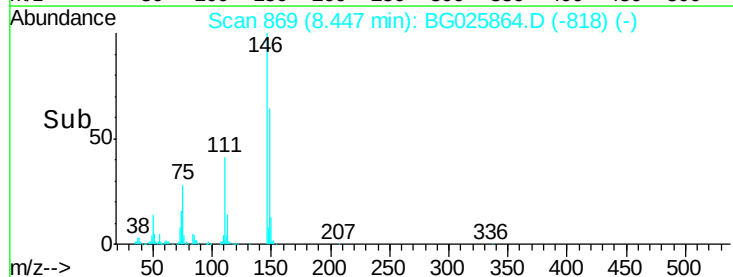
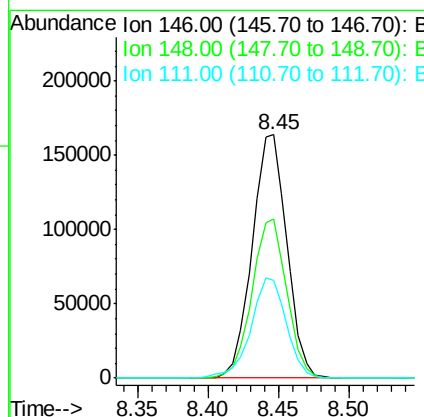
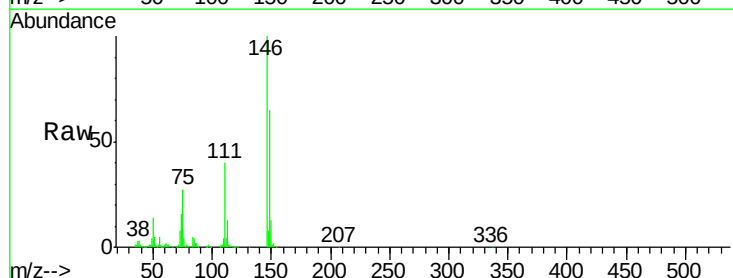
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

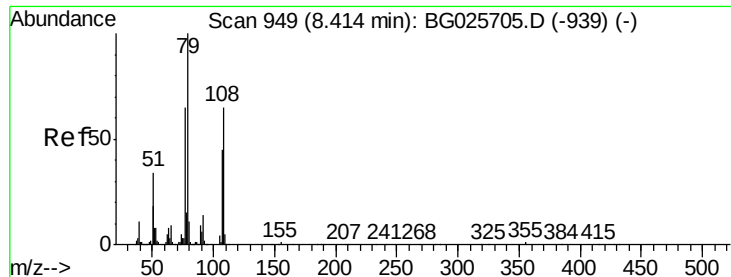
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.0  | 52.2  | 78.2  |
| 111     | 39.6  | 37.0  | 55.6  |



#14  
 1,2-Dichlorobenzene  
 Concen: 38.54 ng  
 RT: 8.45 min Scan# 869  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.2  | 54.6  | 81.8  |
| 111     | 40.3  | 39.7  | 59.5  |





#15

Benzyl Alcohol

Concen: 45.08 ng

RT: 8.32 min Scan# 847

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

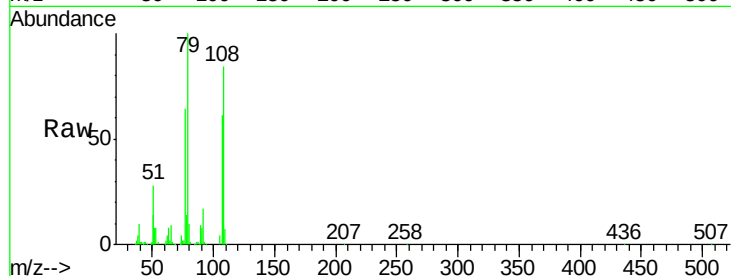
Tgt Ion: 79 Resp: 262016

Ion Ratio Lower Upper

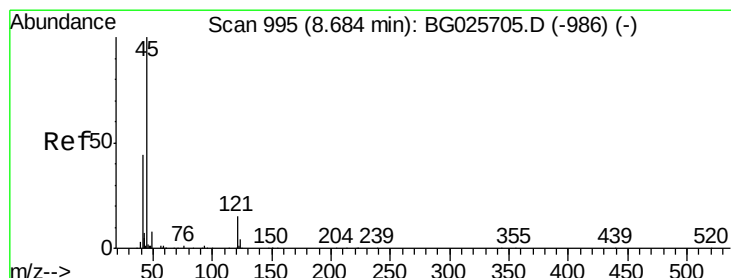
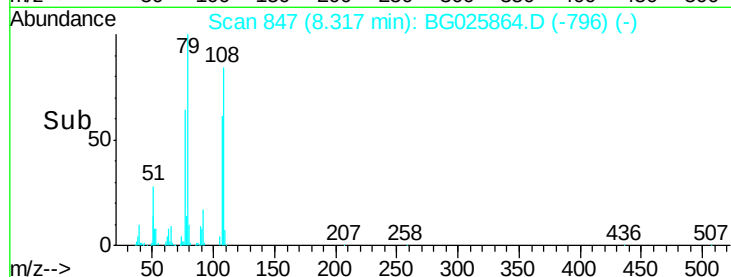
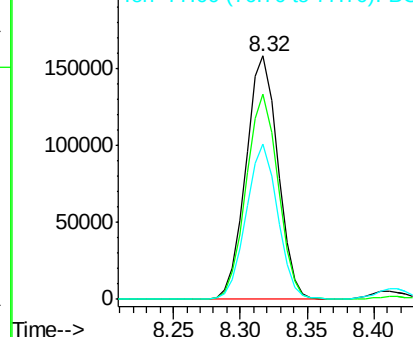
79 100

108 84.5 45.5 68.3#

77 63.8 54.3 81.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.80 ng

RT: 8.62 min Scan# 898

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

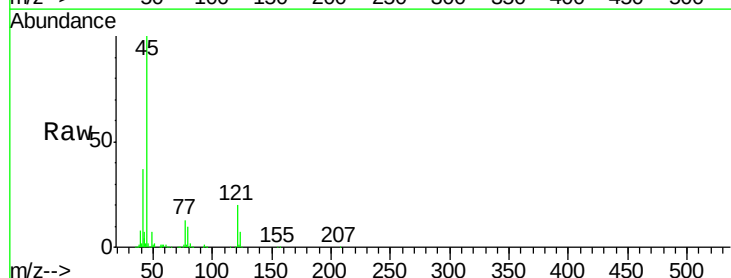
Tgt Ion: 45 Resp: 378583

Ion Ratio Lower Upper

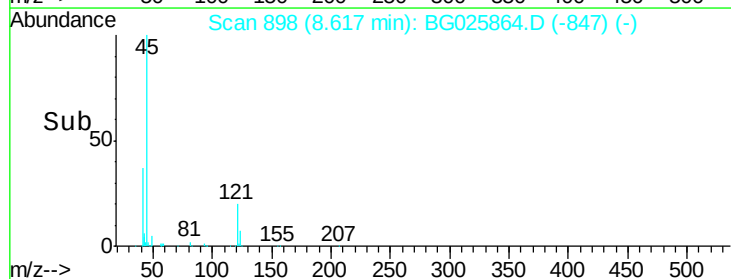
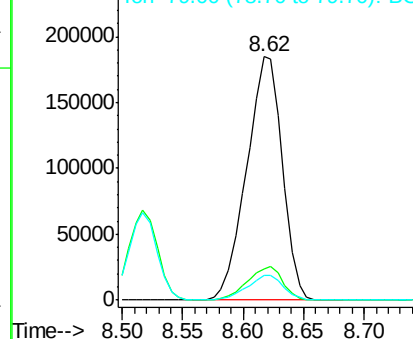
45 100

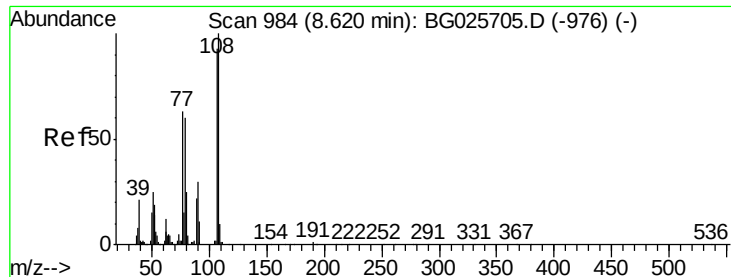
77 12.8 0.0 30.6

79 10.4 0.0 28.5



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC

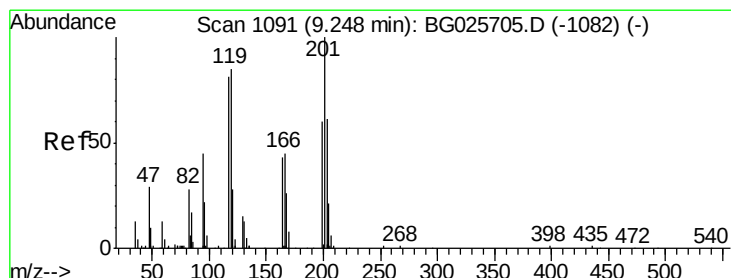
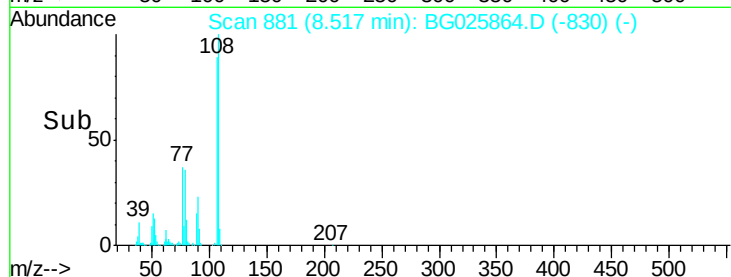
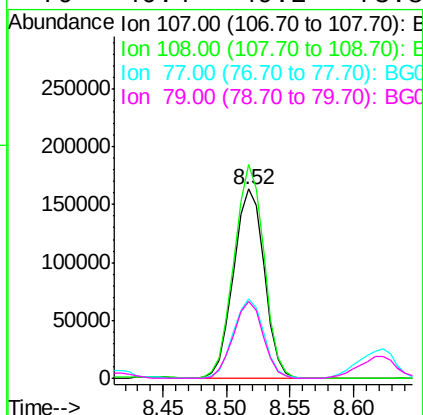
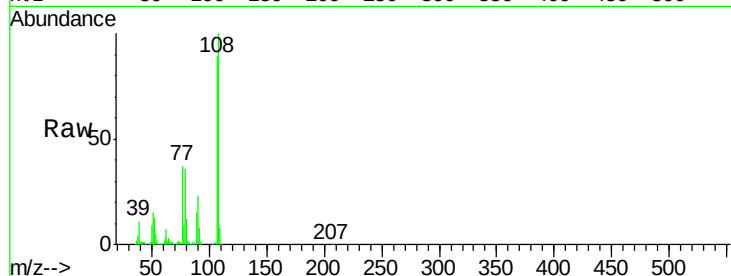




#17  
2-Methylphenol  
Concen: 44.06 ng  
RT: 8.52 min Scan# 881  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

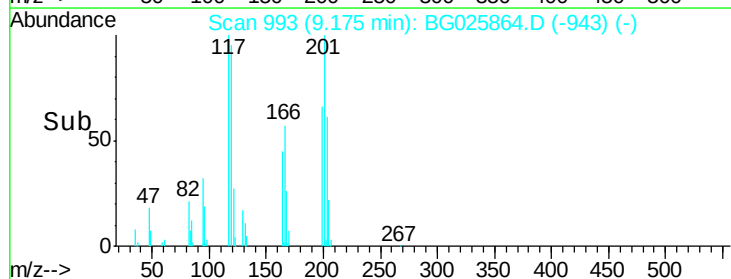
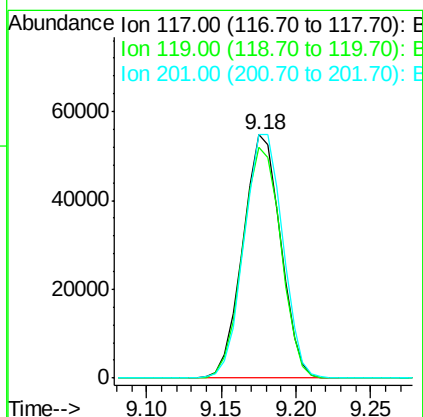
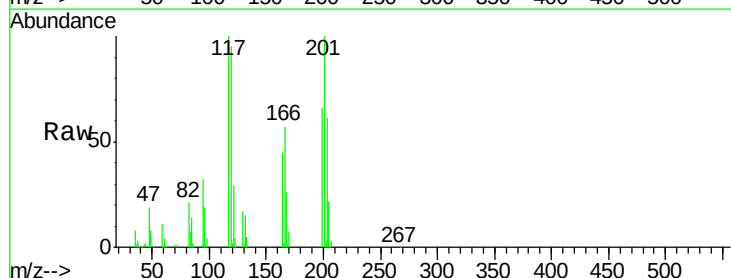
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

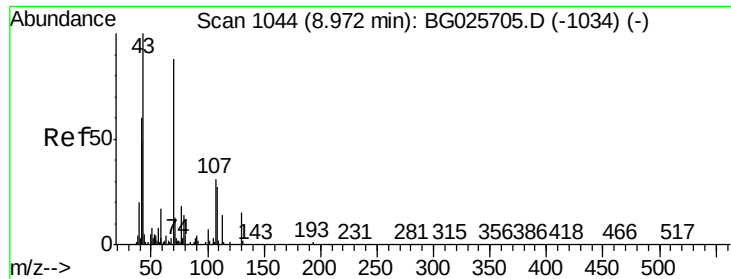
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.0 | 85.6  | 128.4 |
| 77      | 41.7  | 51.4  | 77.2# |
| 79      | 40.4  | 49.2  | 73.8# |



#18  
Hexachloroethane  
Concen: 38.77 ng  
RT: 9.18 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.8  | 69.8  | 104.6 |
| 201     | 100.0 | 95.4  | 143.0 |

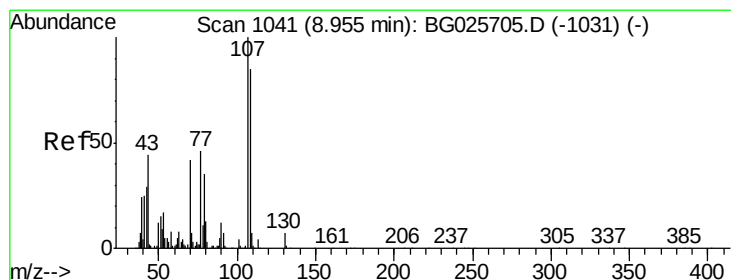
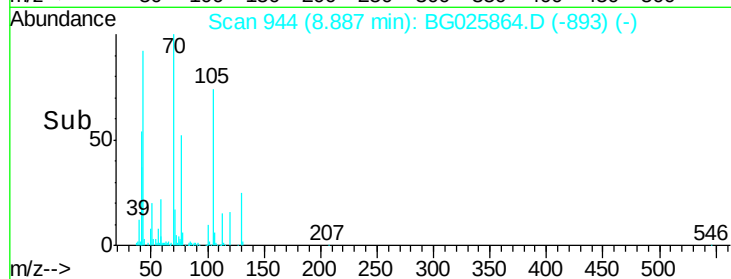
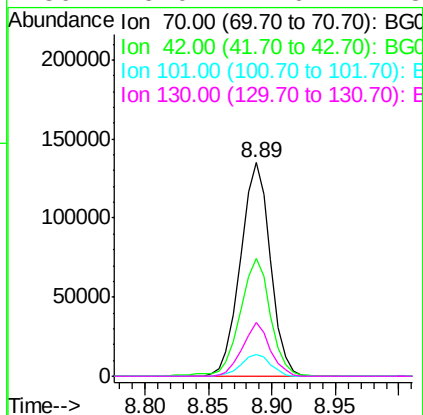
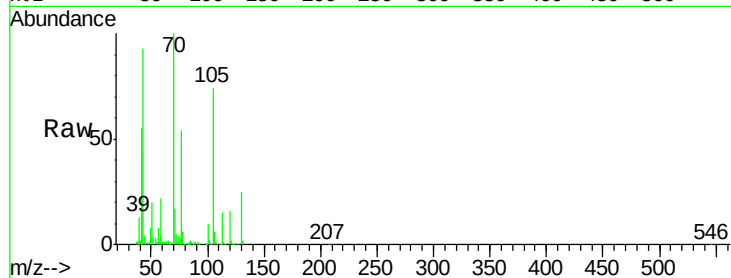




#19  
 n-Nitroso-di-n-propylamine  
 Concen: 38.02 ng  
 RT: 8.89 min Scan# 944  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

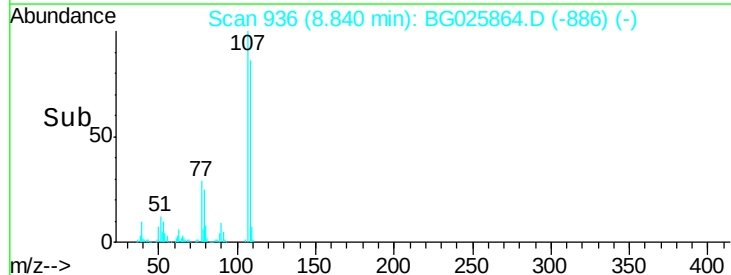
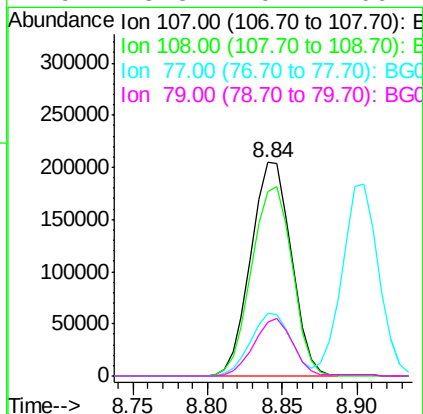
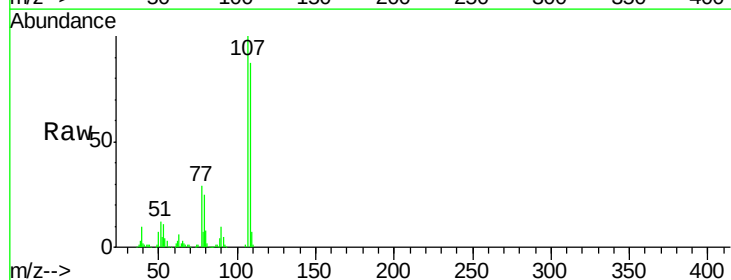
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

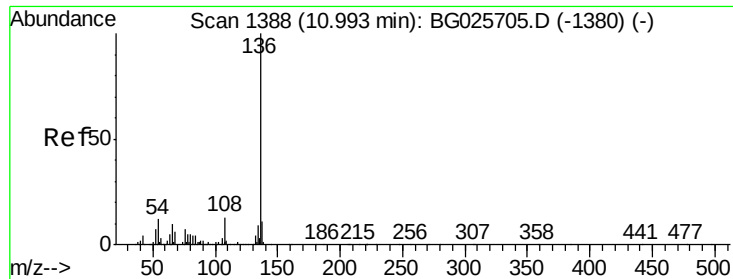
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 220402 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.9  | 56.1  | 84.1#  |
| 101      | 10.4  | 7.5   | 11.3   |
| 130      | 25.0  | 14.6  | 21.8#  |



#20  
 3+4-Methylphenols  
 Concen: 43.58 ng  
 RT: 8.84 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 385787 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.6  | 70.8  | 110.8  |
| 77       | 29.2  | 25.8  | 65.8   |
| 79       | 25.3  | 20.1  | 60.1   |

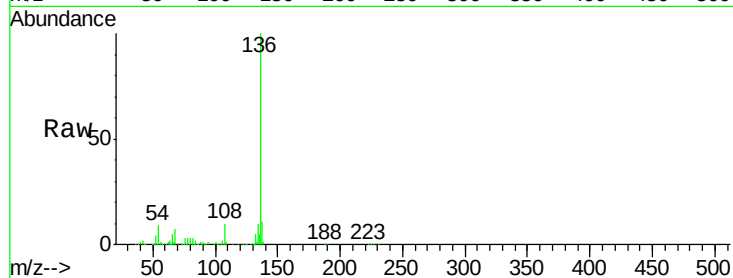




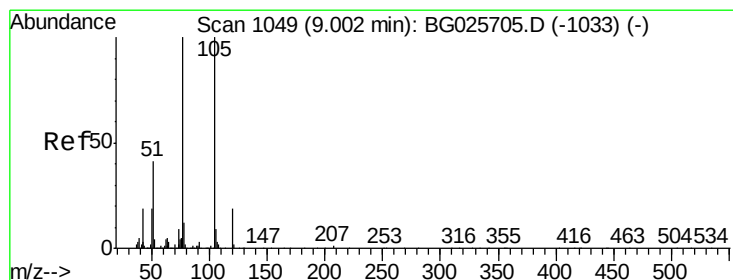
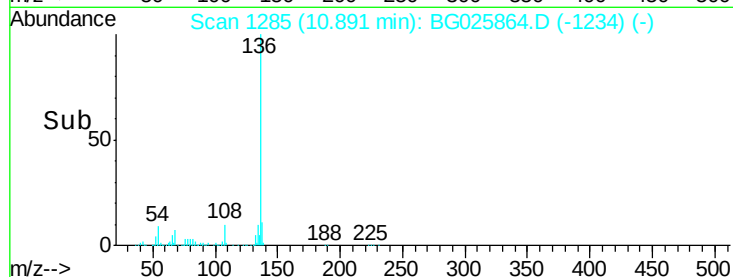
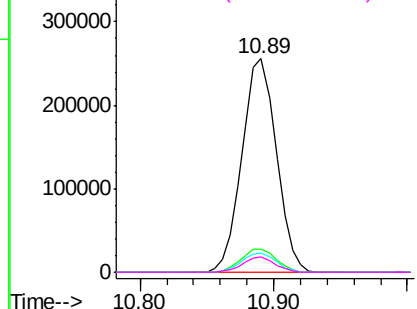
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.89 min Scan# 1285  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 455361 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 8.9   | 9.3   | 13.9#  |
| 68       | 7.2   | 5.1   | 7.7    |

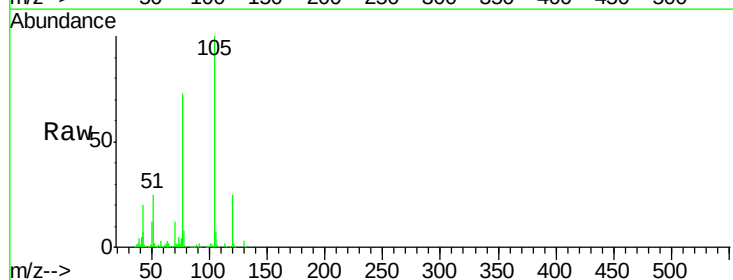


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

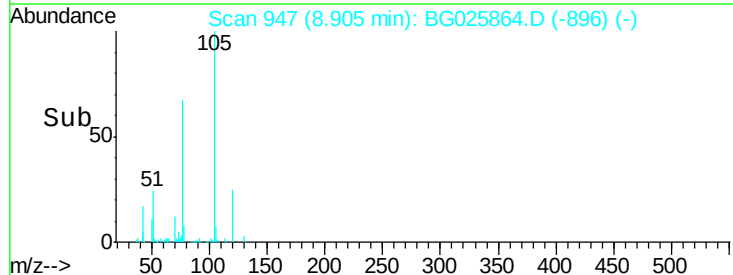
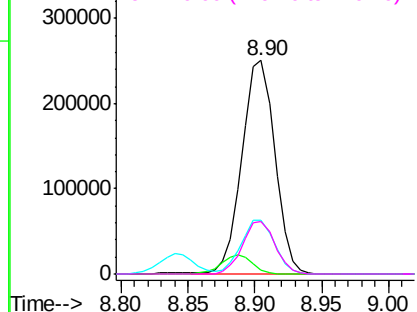


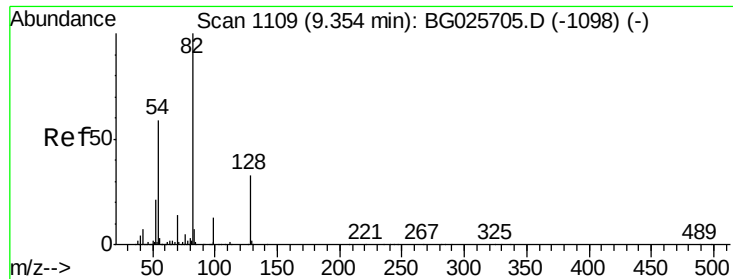
#22  
Acetophenone  
Concen: 39.24 ng  
RT: 8.90 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 428724 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 2.1   | 0.9   | 1.3#   |
| 51       | 25.1  | 34.0  | 51.0#  |
| 120      | 24.6  | 17.3  | 25.9   |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E

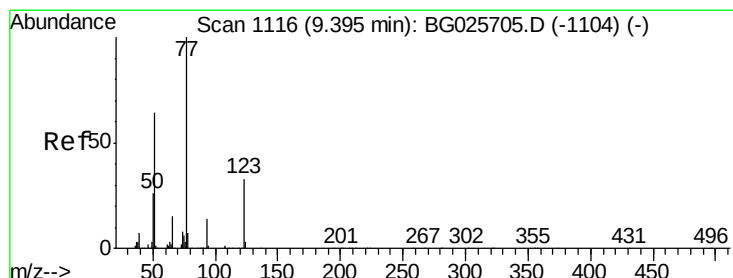
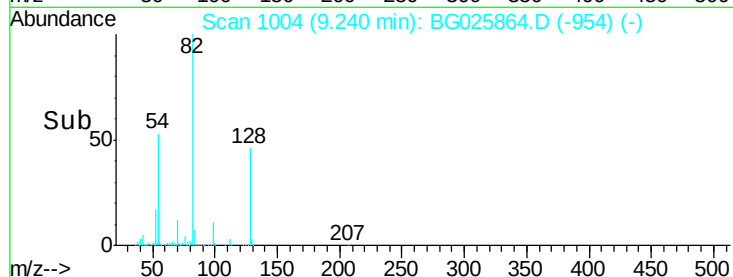
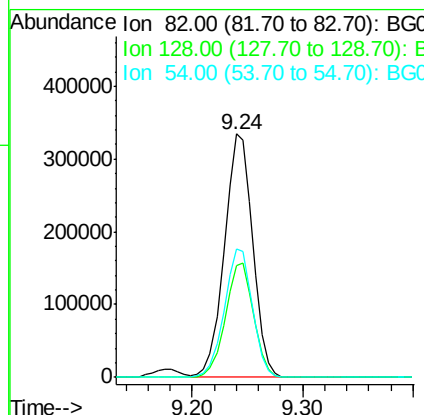
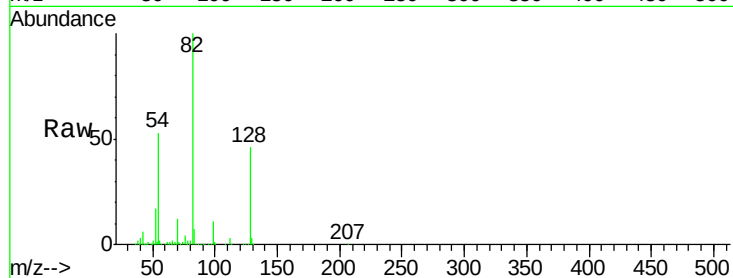




#23  
 Nitrobenzene-d5  
 Concen: 82.65 ng  
 RT: 9.24 min Scan# 1004  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

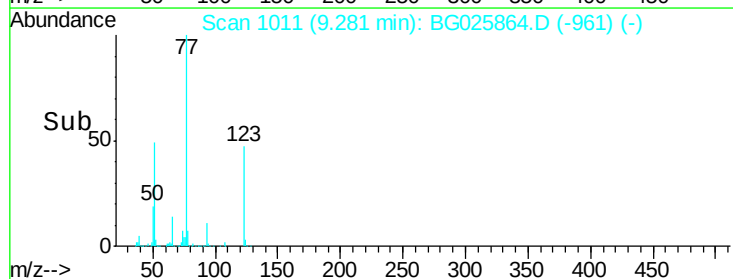
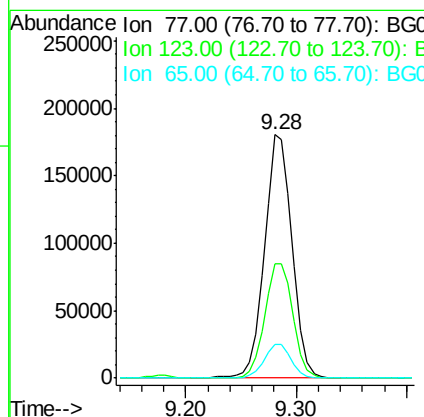
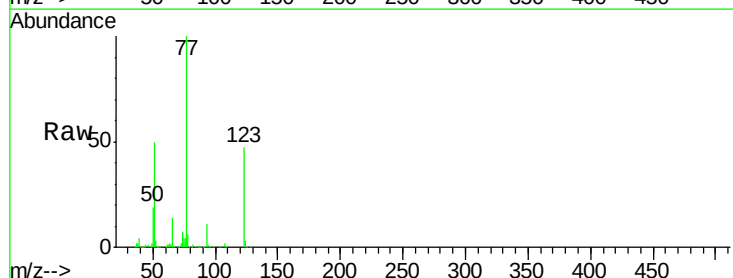
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

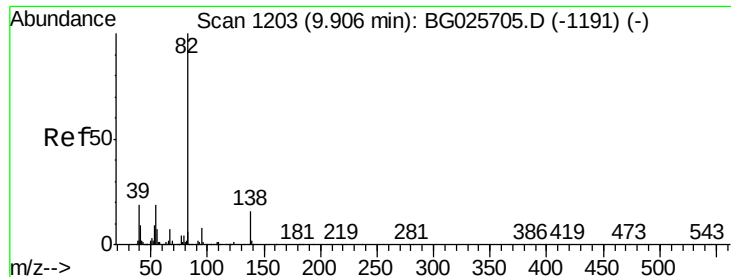
Tgt Ion: 82 Resp: 596340  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 26.4 39.6#  
 54 52.9 49.4 74.2



#24  
 Nitrobenzene  
 Concen: 40.10 ng  
 RT: 9.28 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion: 77 Resp: 312893  
 Ion Ratio Lower Upper  
 77 100  
 123 47.0 26.1 39.1#  
 65 13.6 12.4 18.6





#25

Isophorone

Concen: 39.94 ng

RT: 9.81 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

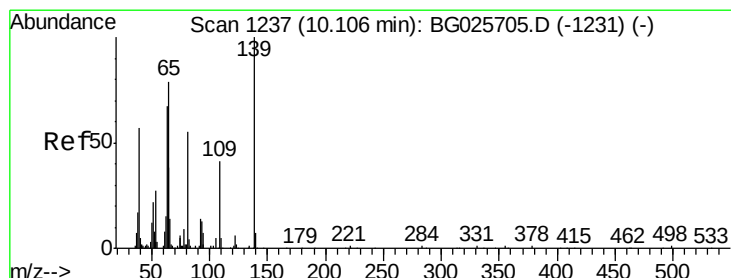
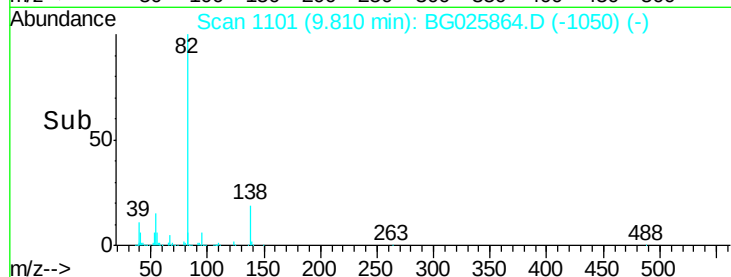
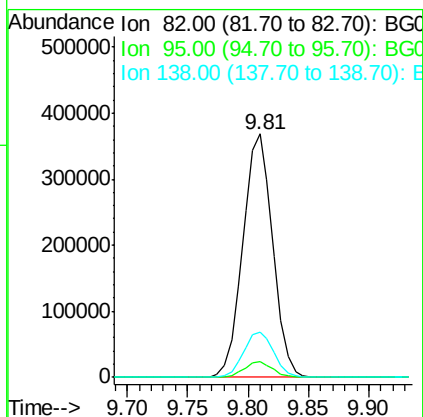
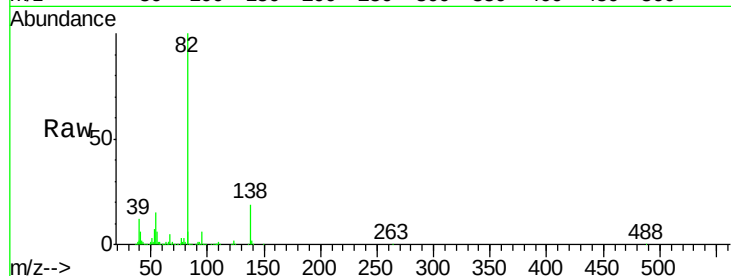
Tgt Ion: 82 Resp: 634149

Ion Ratio Lower Upper

82 100

95 6.4 7.5 11.3#

138 18.8 12.3 18.5#



#26

2-Nitrophenol

Concen: 43.18 ng

RT: 10.00 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

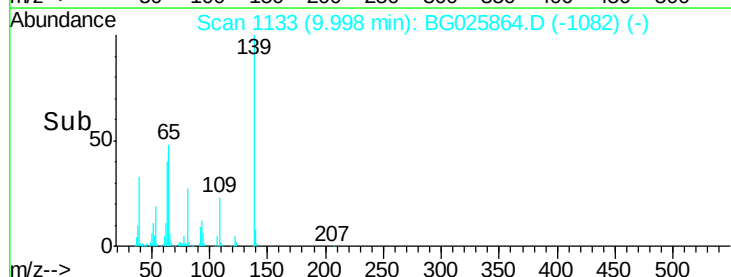
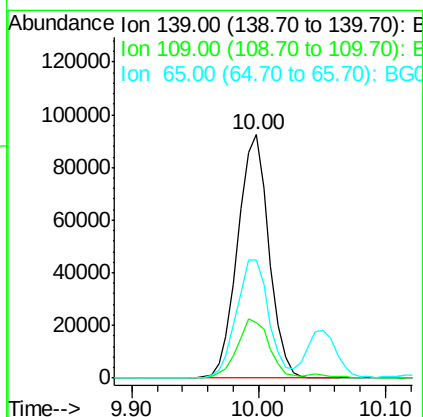
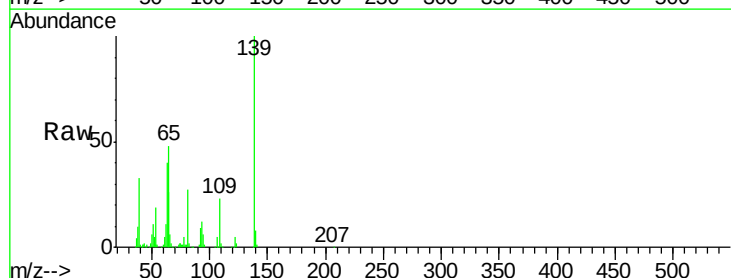
Tgt Ion: 139 Resp: 157570

Ion Ratio Lower Upper

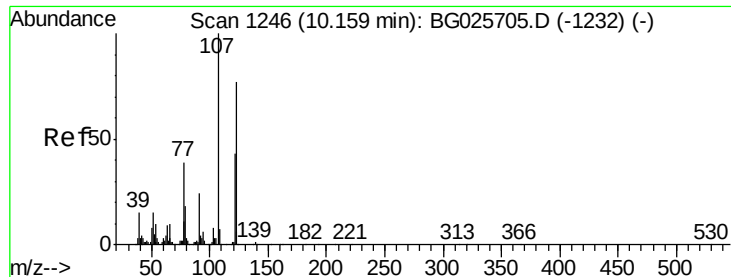
139 100

109 22.9 38.6 58.0#

65 48.4 57.1 85.7#



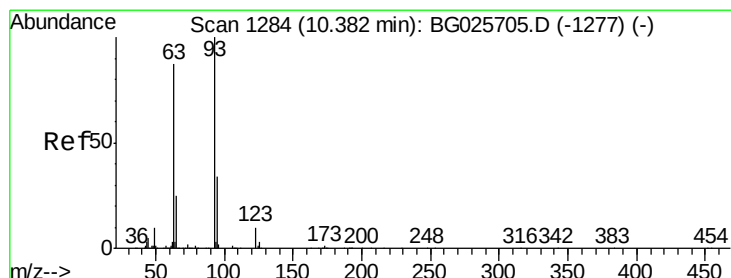
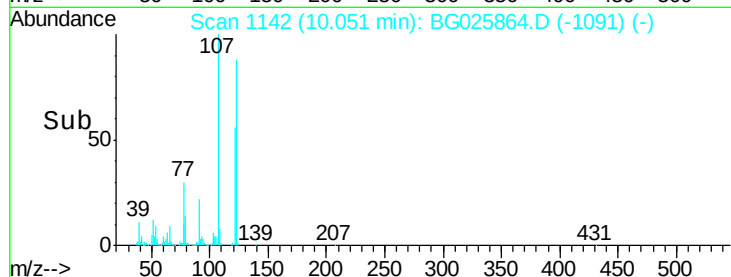
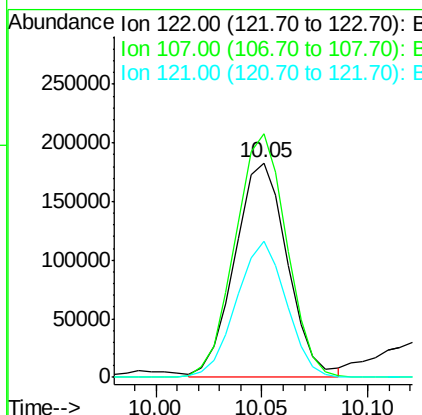
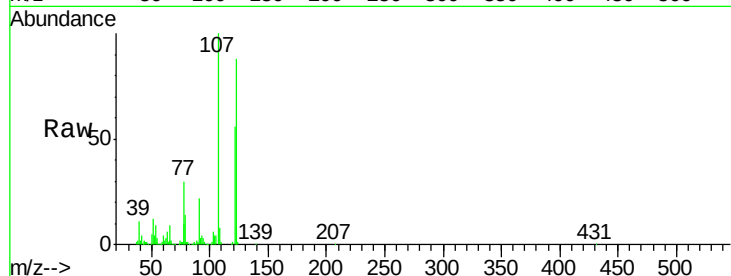




#27  
 2,4-Dimethylphenol  
 Concen: 46.17 ng  
 RT: 10.05 min Scan# 1142  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

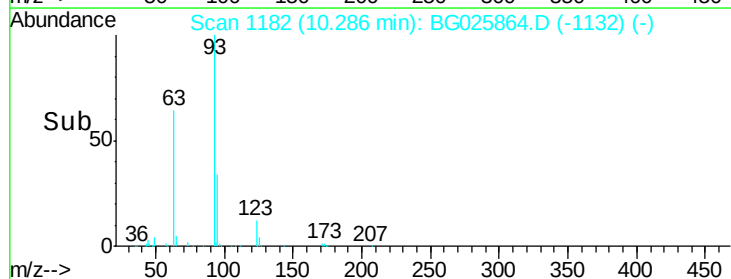
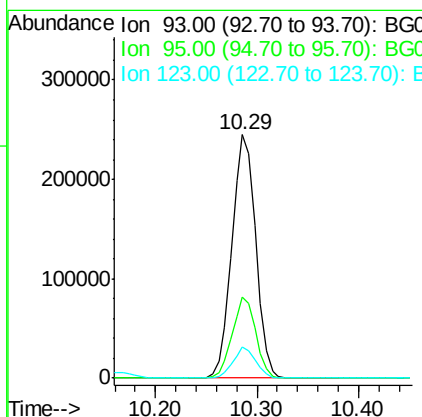
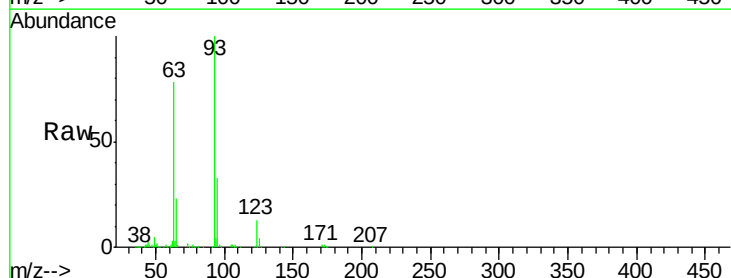
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB97017BS

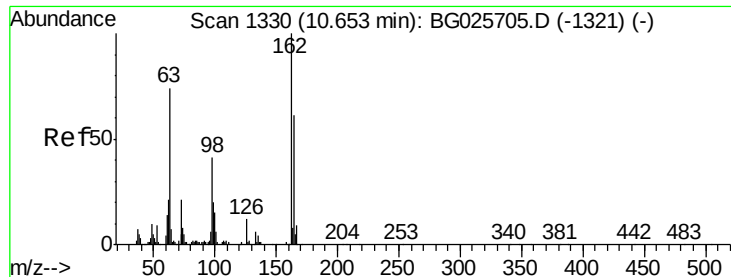
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 113.6 | 104.2 | 156.4 |
| 121     | 63.3  | 46.0  | 69.0  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.60 ng  
 RT: 10.29 min Scan# 1182  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.1  | 25.7  | 38.5  |
| 123     | 12.6  | 8.3   | 12.5  |

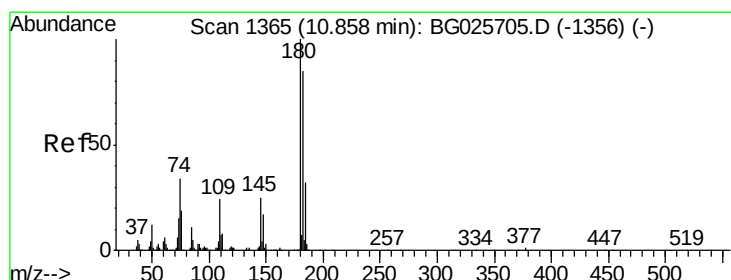
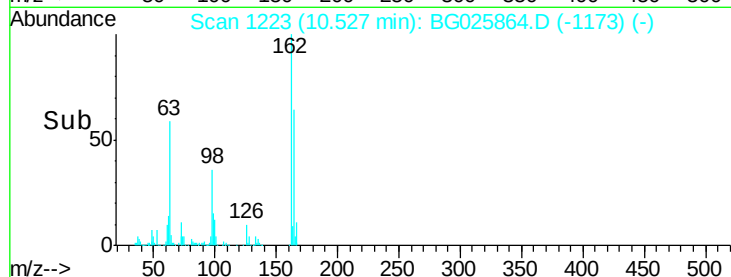
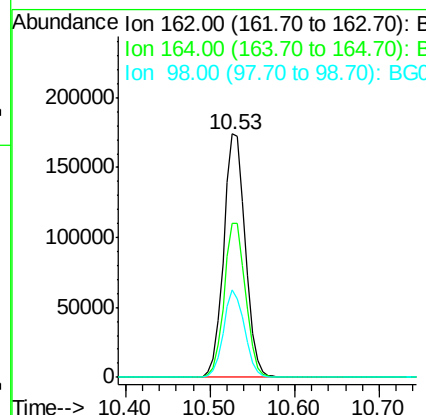
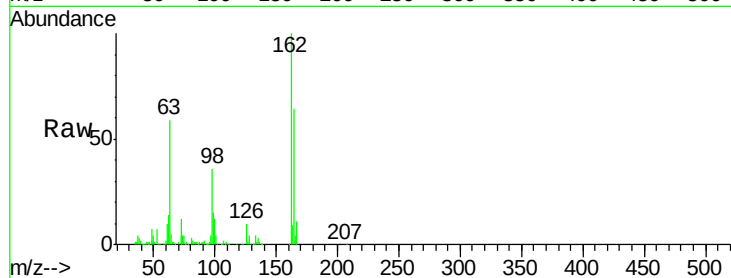




#29  
 2,4-Dichlorophenol  
 Concen: 47.61 ng  
 RT: 10.53 min Scan# 1223  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

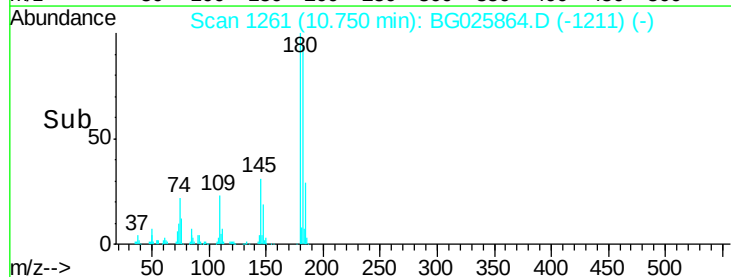
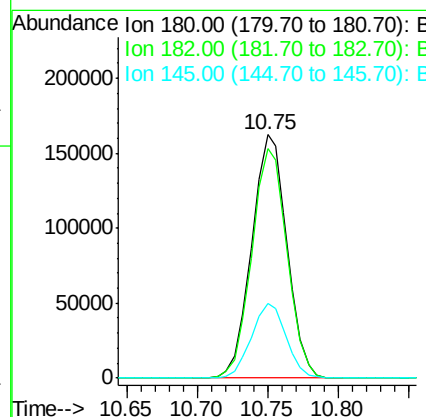
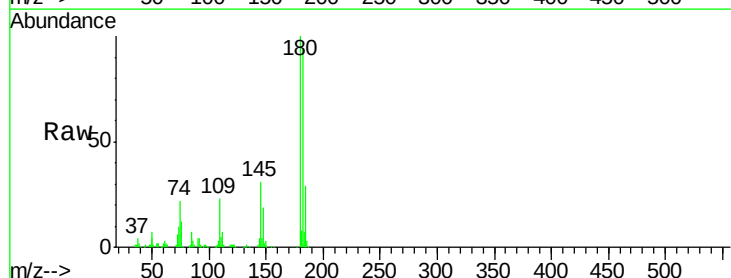
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

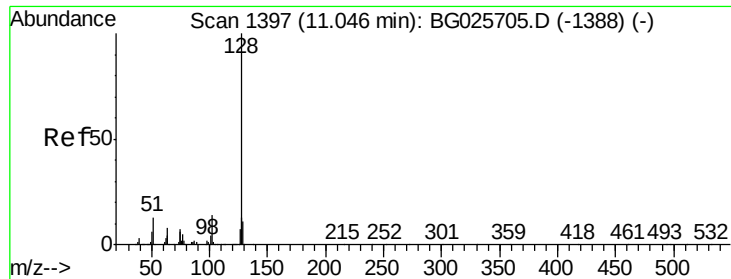
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.5  | 42.4  | 82.4  |
| 98      | 36.1  | 20.3  | 60.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.22 ng  
 RT: 10.75 min Scan# 1261  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 77.0  | 115.4 |
| 145     | 30.6  | 23.4  | 35.0  |

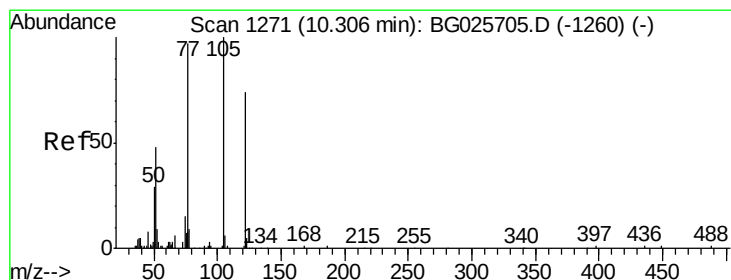
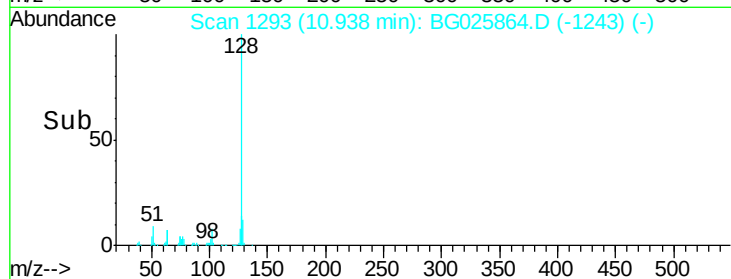
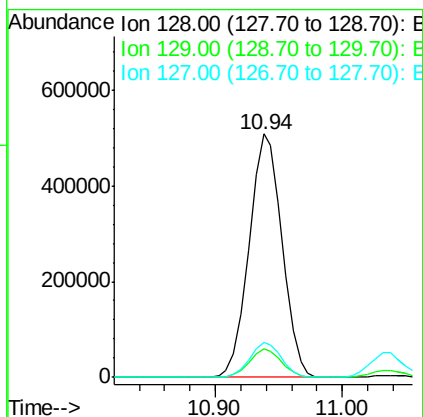
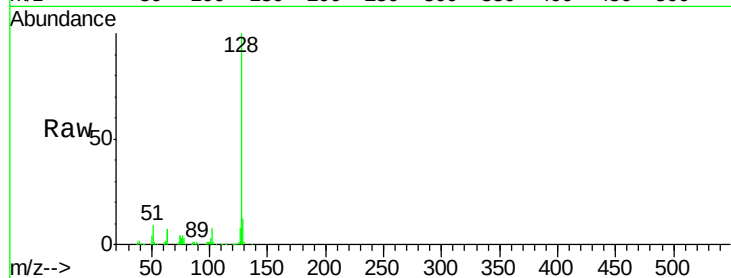




#31  
Naphthalene  
Concen: 38.97 ng  
RT: 10.94 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

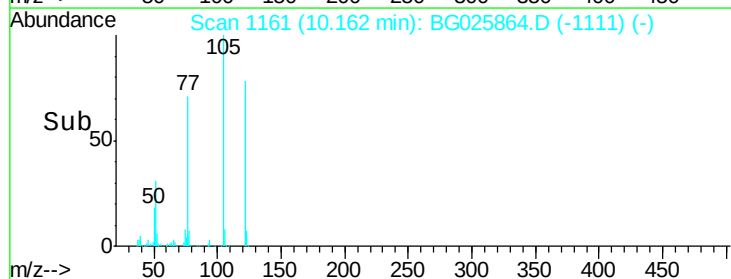
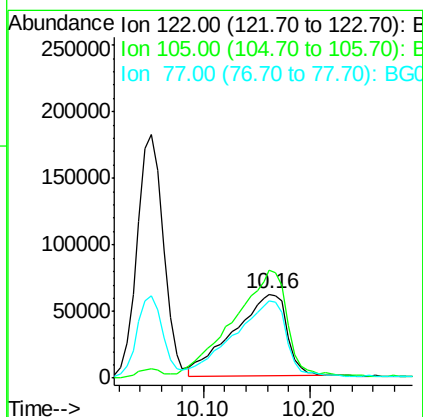
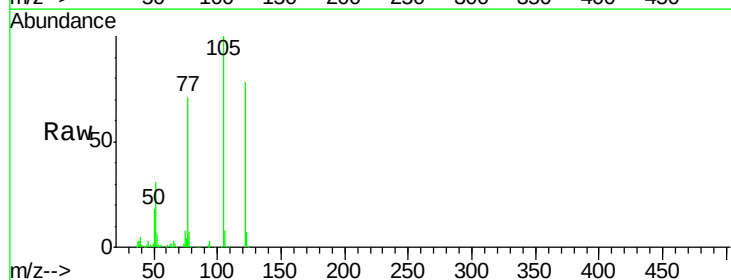
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

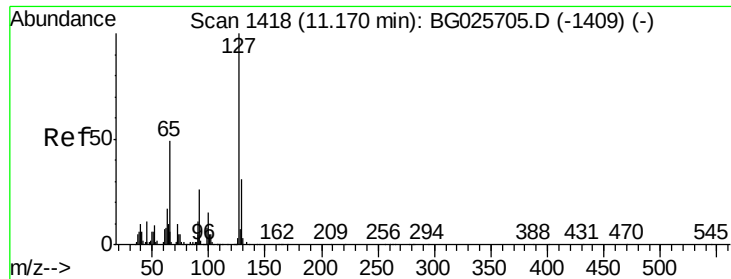
Tgt Ion:128 Resp: 917462  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.3 13.9  
127 14.4 11.4 17.0



#32  
Benzoic acid  
Concen: 42.05 ng  
RT: 10.16 min Scan# 1161  
Delta R.T. -0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

Tgt Ion:122 Resp: 218638  
Ion Ratio Lower Upper  
122 100  
105 127.8 120.1 160.1  
77 91.3 104.6 144.6#

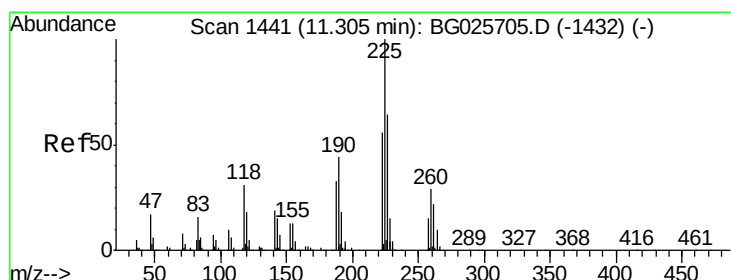
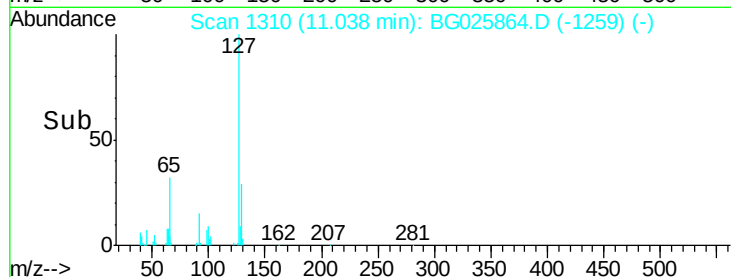
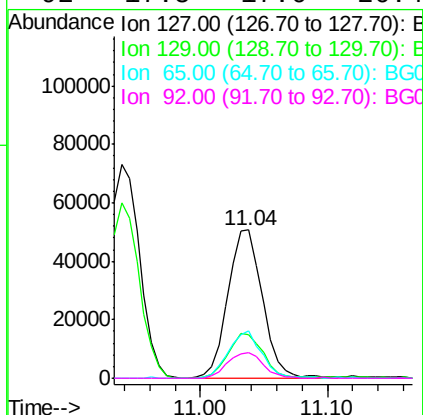
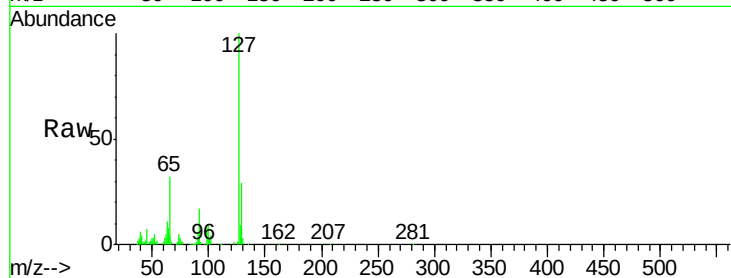




#33  
4-Chloroaniline  
Concen: 9.39 ng  
RT: 11.04 min Scan# 1310  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

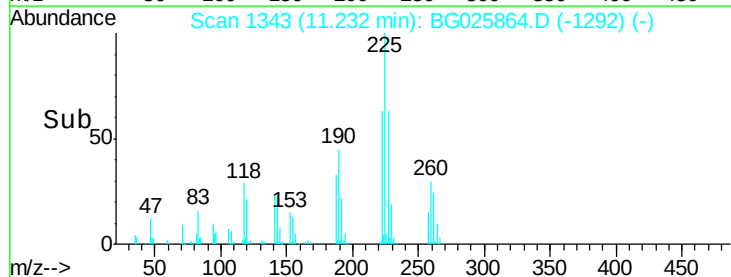
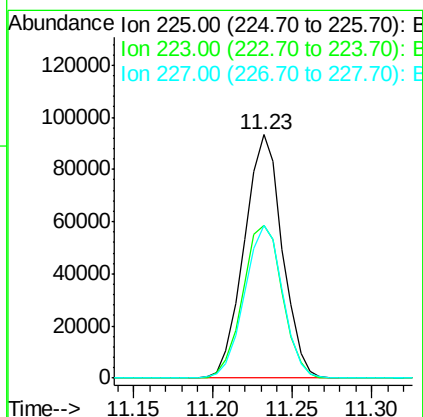
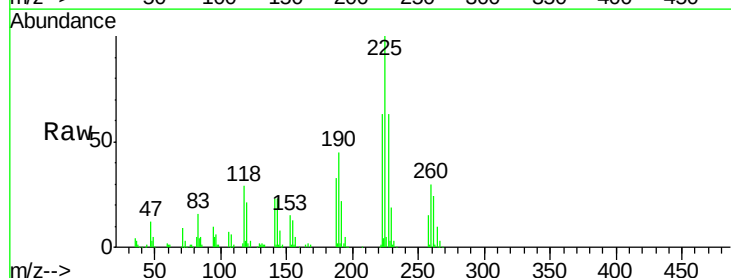
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

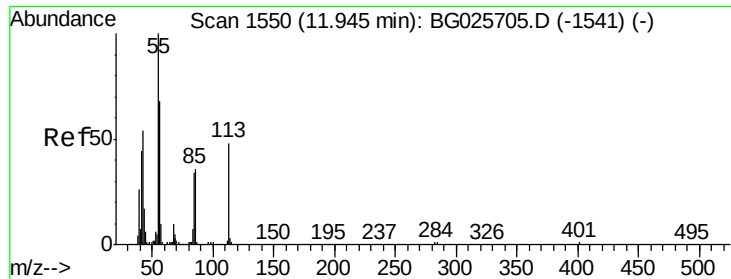
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 96041 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 29.4  | 23.6  | 35.4  |
| 65       | 31.6  | 37.7  | 56.5# |
| 92       | 17.5  | 17.6  | 26.4# |



#34  
Hexachlorobutadiene  
Concen: 38.61 ng  
RT: 11.23 min Scan# 1343  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 155315 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.9  | 50.7  | 76.1   |
| 227      | 62.5  | 49.0  | 73.6   |





#35

Caprolactam

Concen: 23.83 ng

RT: 11.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

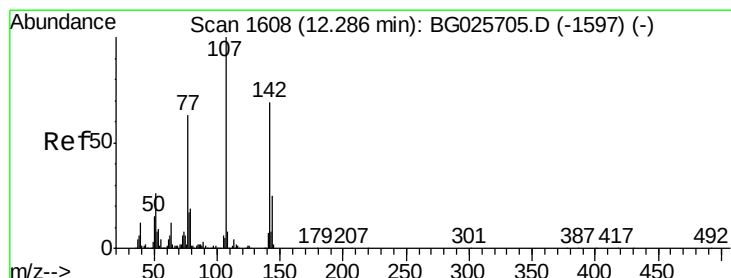
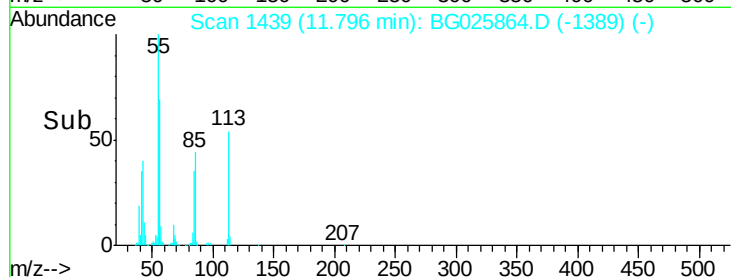
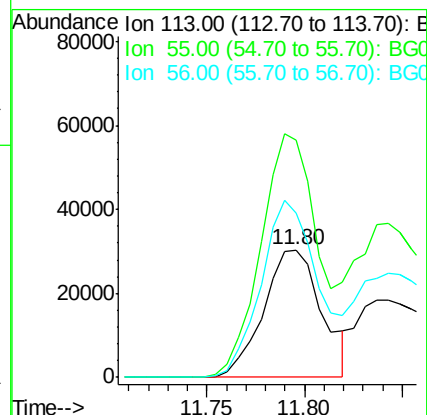
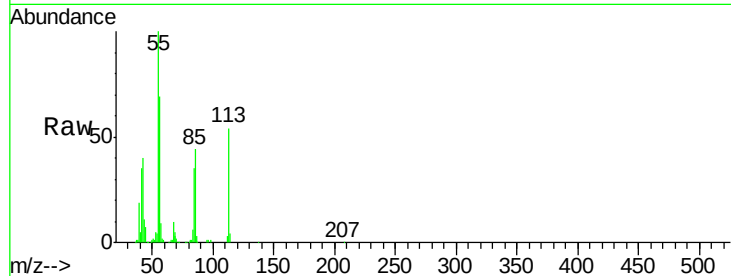
Tgt Ion:113 Resp: 62543

Ion Ratio Lower Upper

113 100

55 186.9 198.6 238.6#

56 129.1 140.4 180.4#



#36

4-Chloro-3-methylphenol

Concen: 46.64 ng

RT: 12.14 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

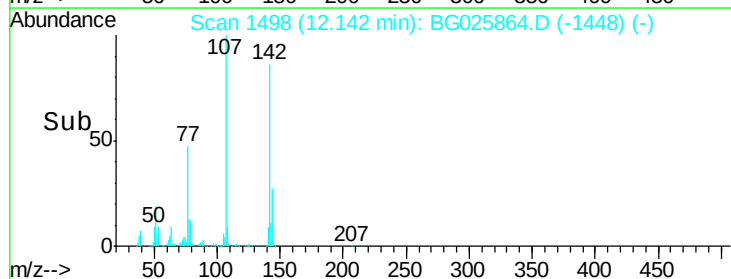
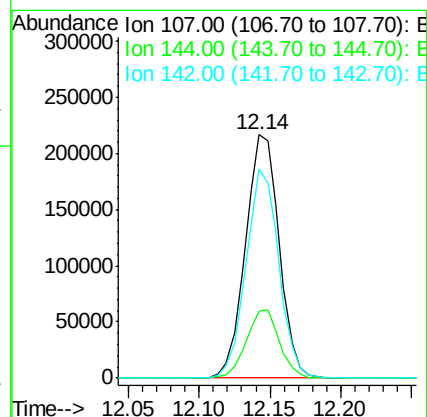
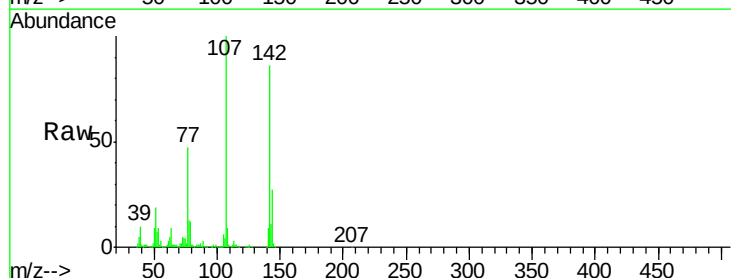
Tgt Ion:107 Resp: 362728

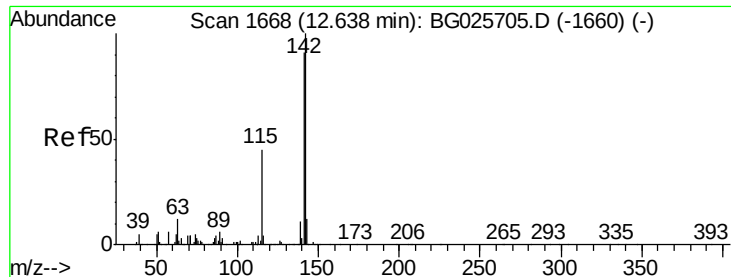
Ion Ratio Lower Upper

107 100

144 27.4 17.4 26.0#

142 86.0 54.1 81.1#

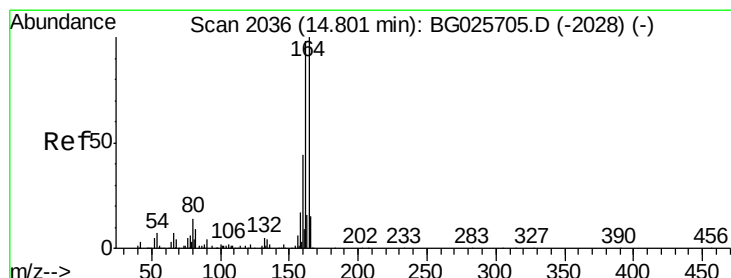
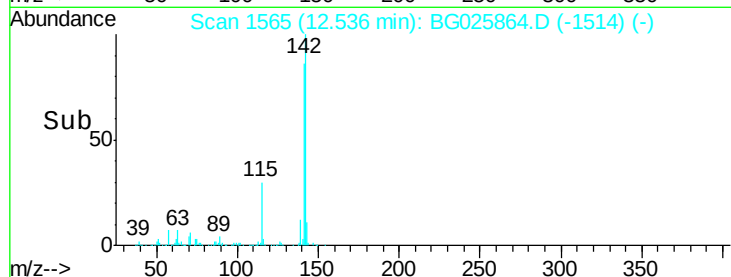
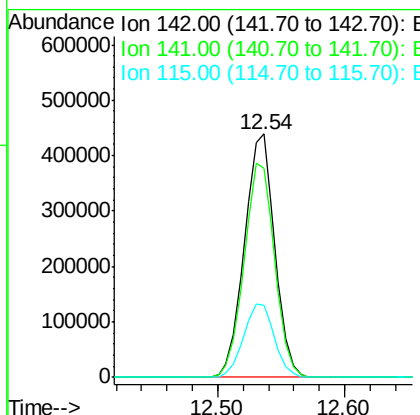
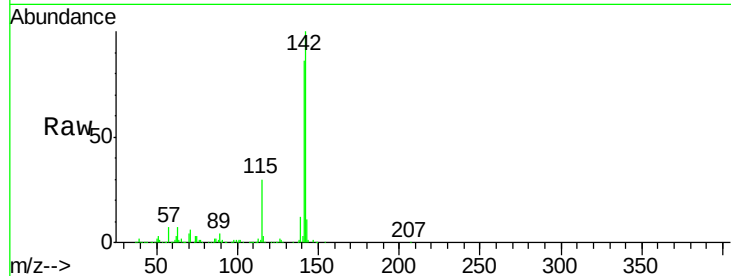




#37  
 2-Methylnaphthalene  
 Concen: 40.54 ng  
 RT: 12.54 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

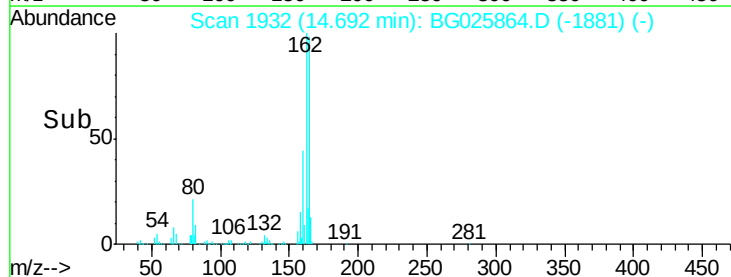
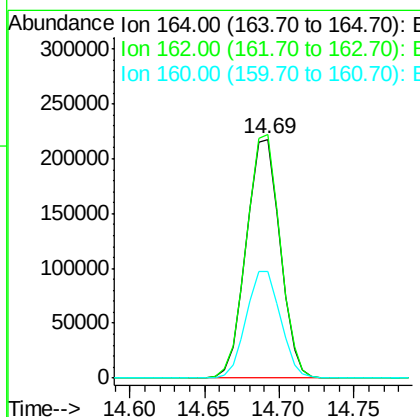
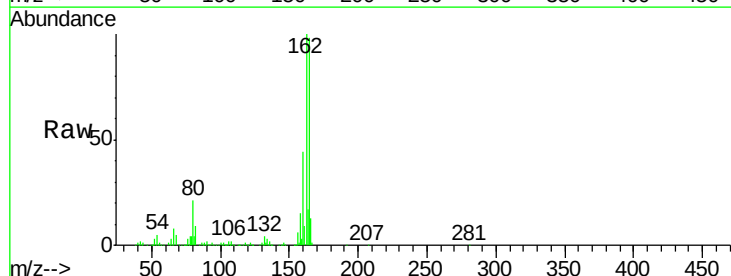
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

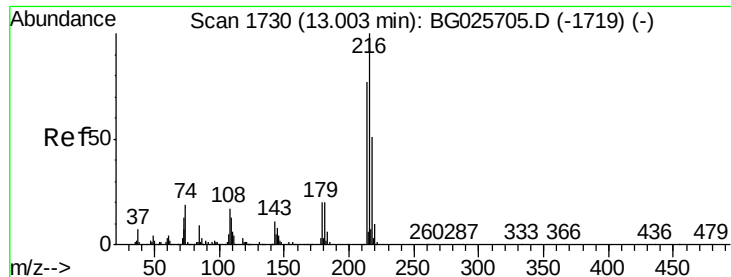
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.9  | 70.4  | 105.6 |
| 115     | 29.8  | 35.5  | 53.3  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.69 min Scan# 1932  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.0 | 85.1  | 127.7 |
| 160     | 44.8  | 34.7  | 52.1  |

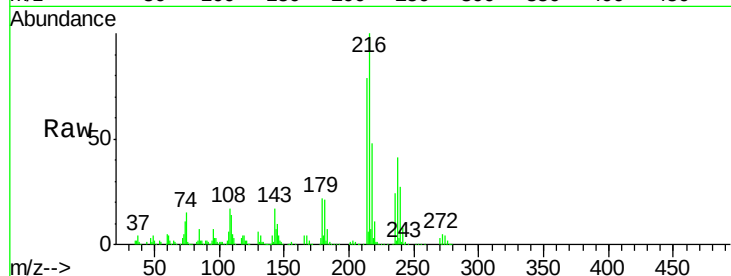




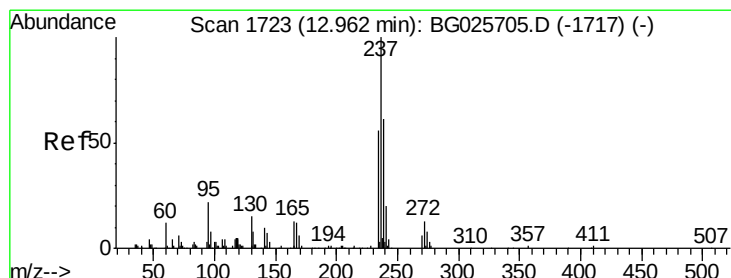
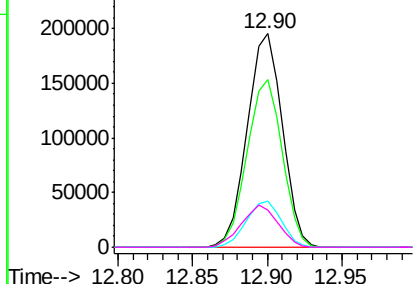
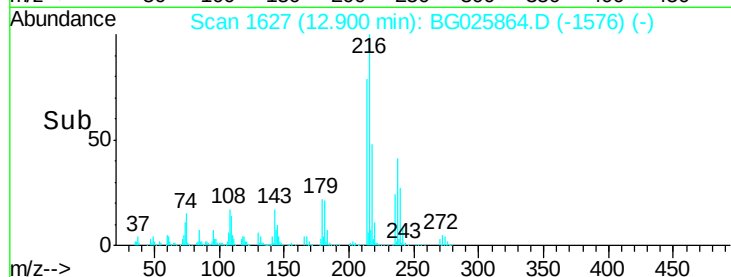
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 37.12 ng  
 RT: 12.90 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 316954 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.9  | 64.4  | 96.6   |
| 179      | 21.8  | 17.4  | 26.0   |
| 108      | 20.7  | 15.6  | 23.4   |

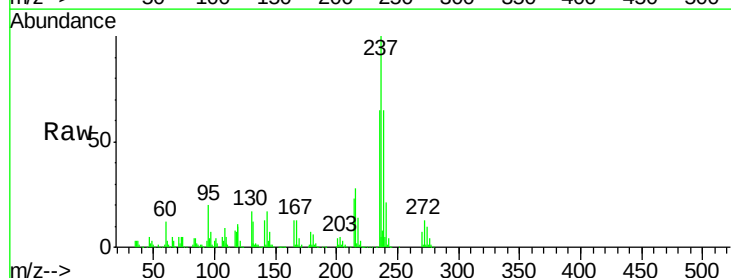


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

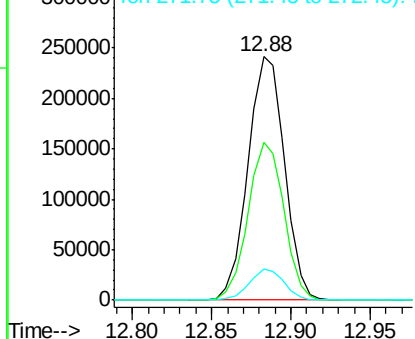
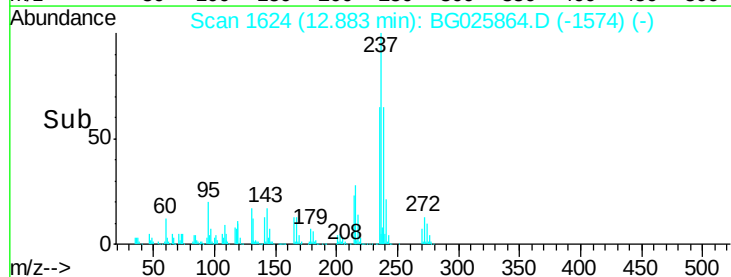


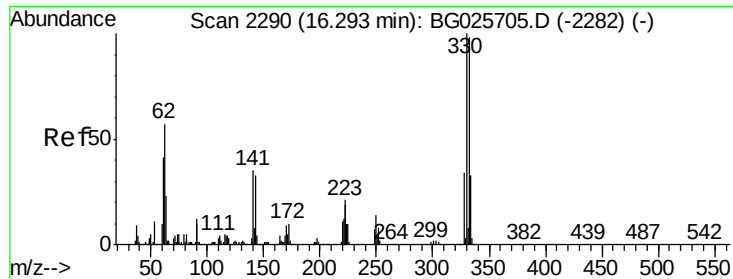
#40  
 Hexachlorocyclopentadiene  
 Concen: 82.69 ng  
 RT: 12.88 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 386334 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 65.0  | 39.4  | 79.4   |
| 272      | 12.7  | 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

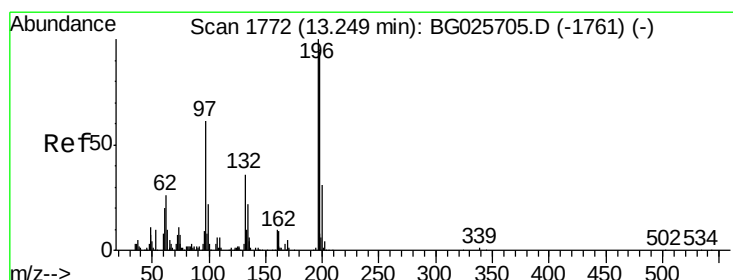
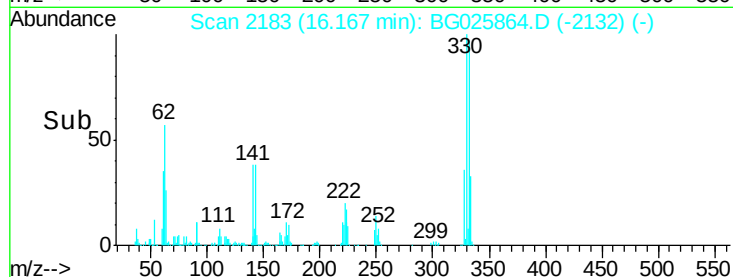
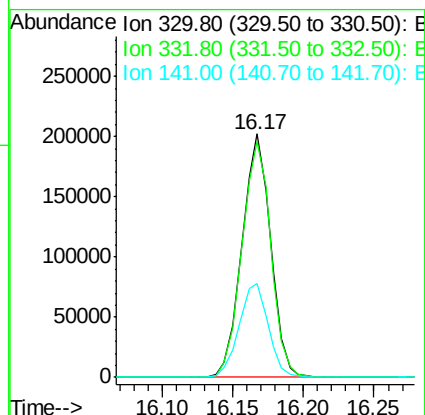
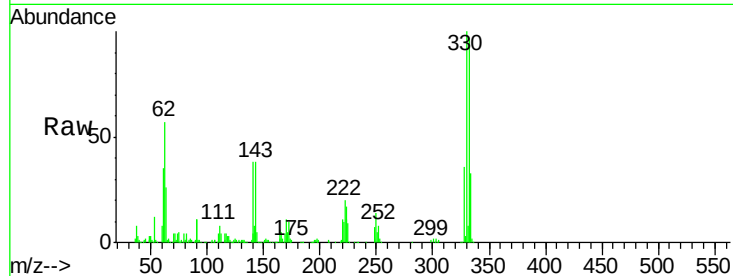




#41  
 2,4,6-Tribromophenol  
 Concen: 91.27 ng  
 RT: 16.17 min Scan# 2183  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

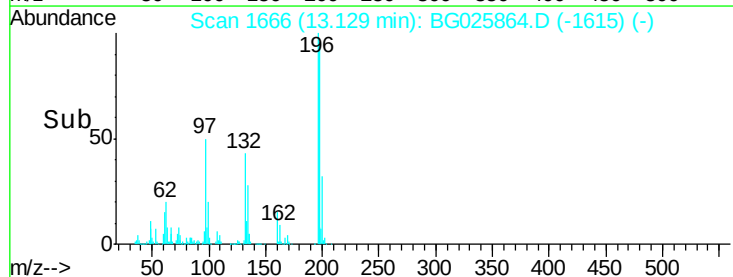
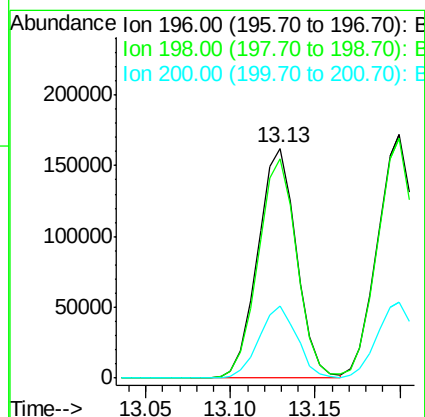
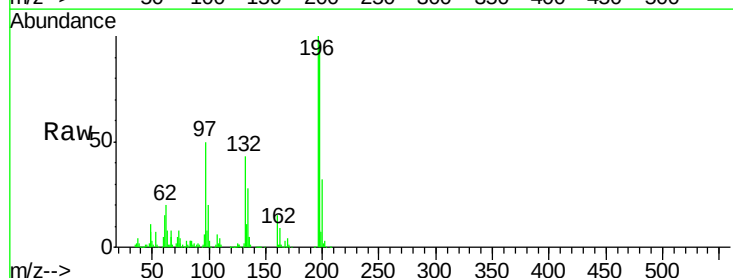
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

Tgt Ion:330 Resp: 287222  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.3 115.9  
 141 39.4 32.1 48.1

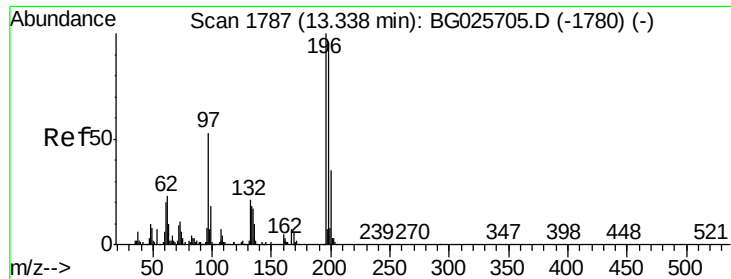


#42  
 2,4,6-Trichlorophenol  
 Concen: 46.74 ng  
 RT: 13.13 min Scan# 1666  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion:196 Resp: 257717  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 81.4 122.2  
 200 31.6 27.0 40.6



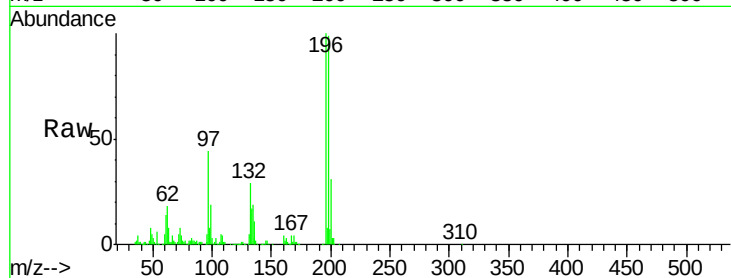




#43  
 2,4,5-Trichlorophenol  
 Concen: 43.85 ng  
 RT: 13.20 min Scan# 1678  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.5  | 79.9  | 119.9 |
| 97      | 44.1  | 45.4  | 68.0  |
| 132     | 28.9  | 20.7  | 31.1  |



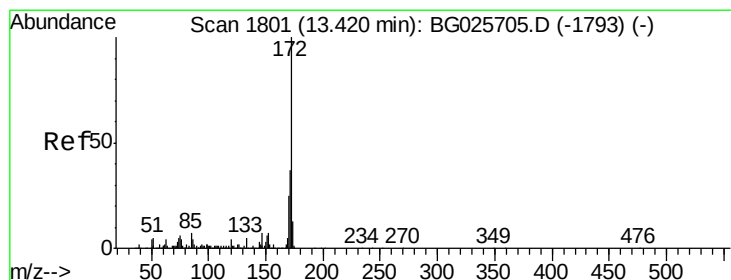
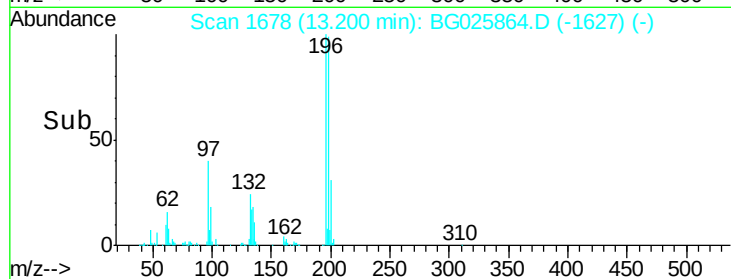
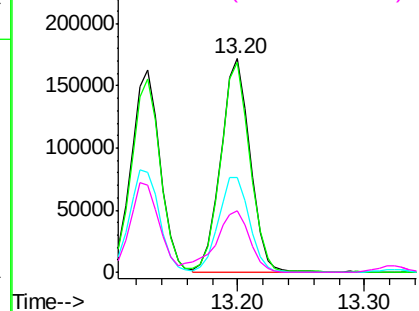
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

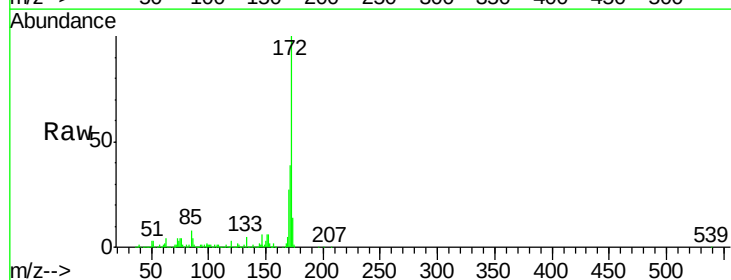
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 82.94 ng  
 RT: 13.32 min Scan# 1699  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.5  | 32.2  | 48.2  |
| 170     | 26.5  | 21.8  | 32.6  |

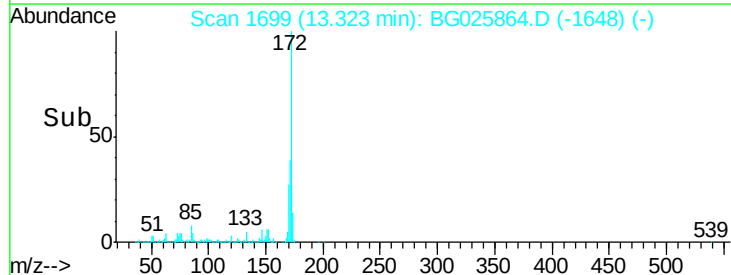
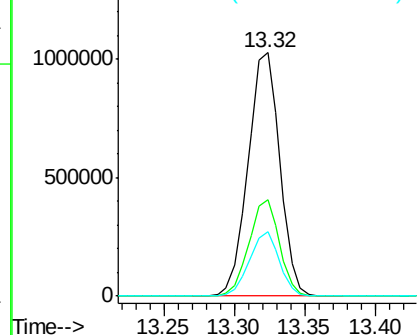


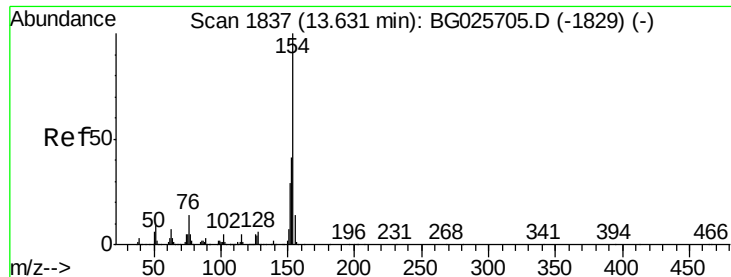
Abundance

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

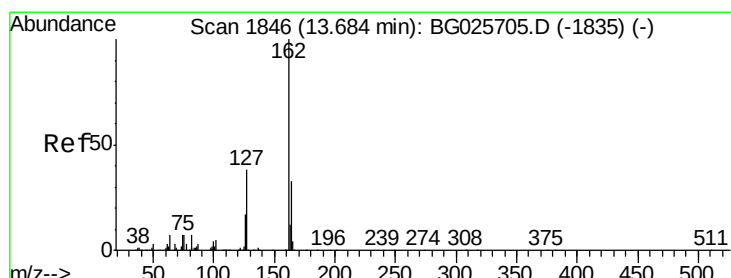
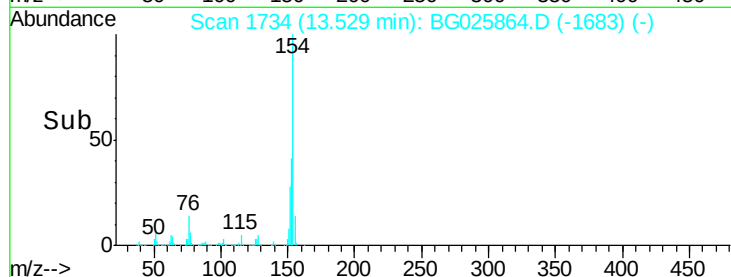
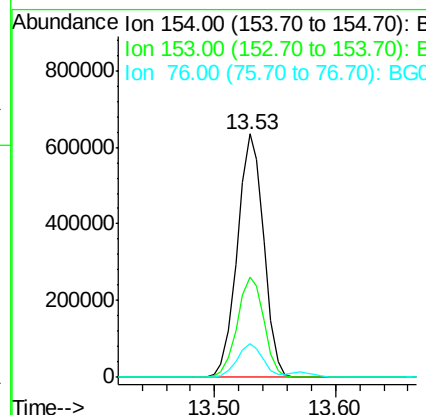
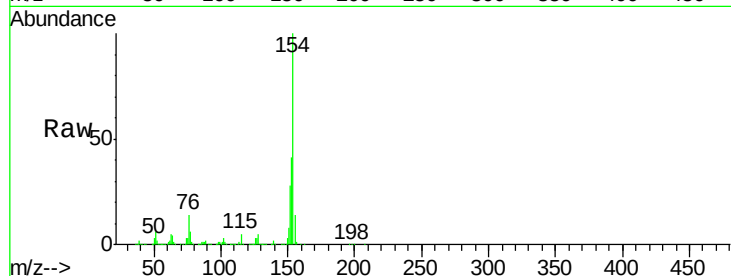




#45  
 1,1'-Biphenyl  
 Concen: 38.99 ng  
 RT: 13.53 min Scan# 1734  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

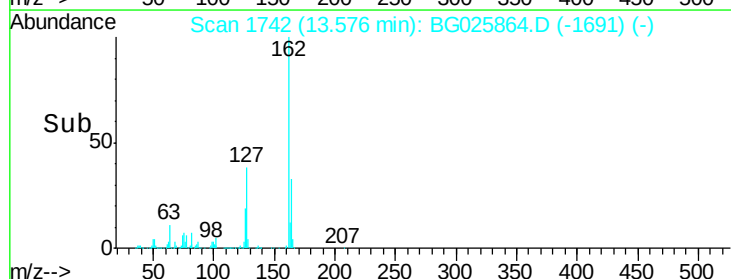
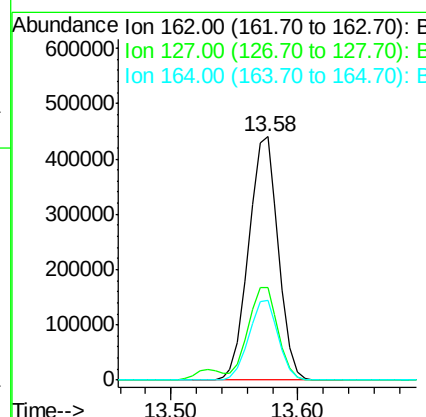
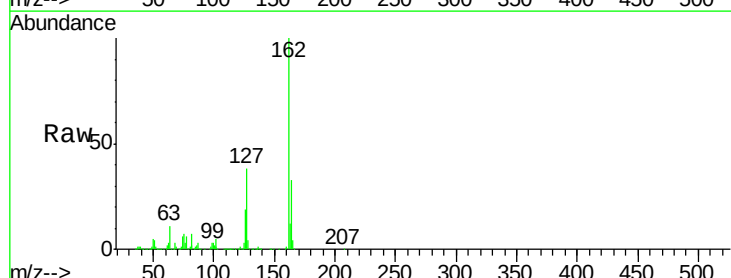
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

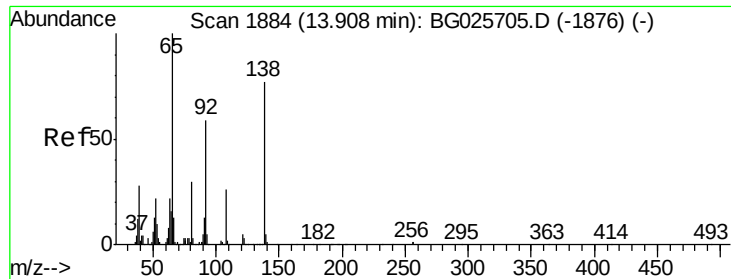
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.3  | 23.0  | 63.0  |
| 76      | 13.9  | 0.0   | 33.5  |



#46  
 2-Chloronaphthalene  
 Concen: 39.93 ng  
 RT: 13.58 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.9  | 32.2  | 48.4  |
| 164     | 32.6  | 27.3  | 40.9  |

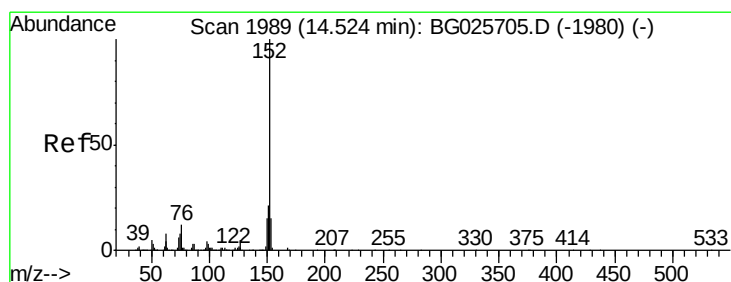
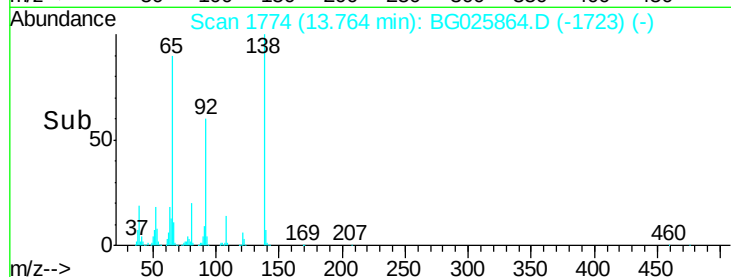
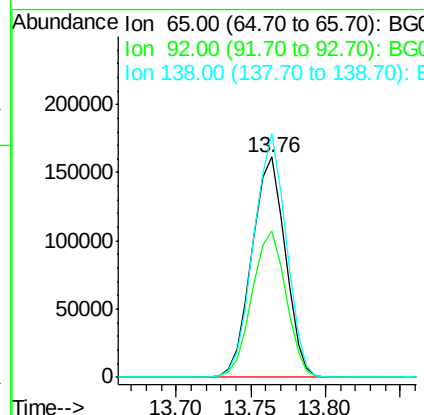
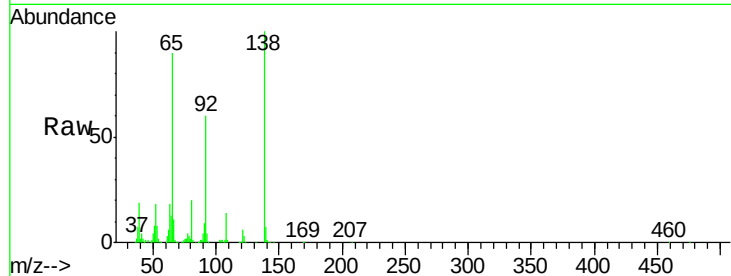




#47  
 2-Nitroaniline  
 Concen: 44.30 ng  
 RT: 13.76 min Scan# 1774  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

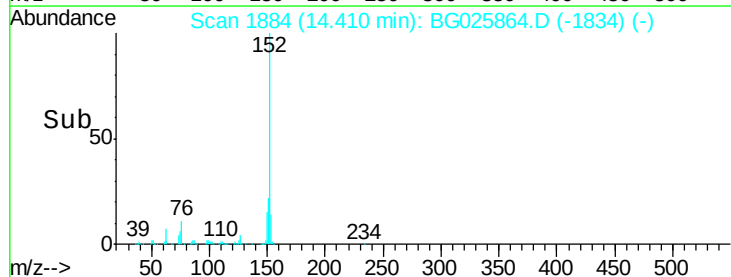
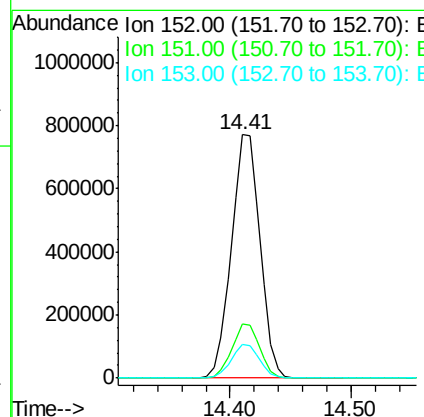
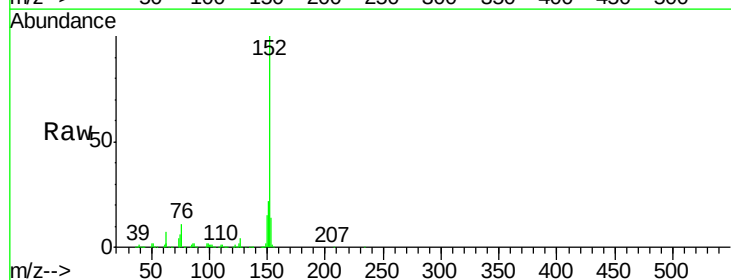
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

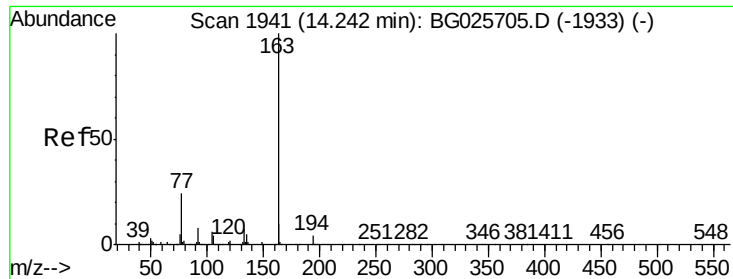
Tgt Ion: 65 Resp: 250742  
 Ion Ratio Lower Upper  
 65 100  
 92 66.3 49.0 73.4  
 138 110.6 58.6 87.8#



#48  
 Acenaphthylene  
 Concen: 39.94 ng  
 RT: 14.41 min Scan# 1884  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion: 152 Resp: 1269218  
 Ion Ratio Lower Upper  
 152 100  
 151 22.0 18.2 27.2  
 153 14.0 11.3 16.9





#49

Dimethylphthalate

Concen: 43.37 ng

RT: 14.14 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

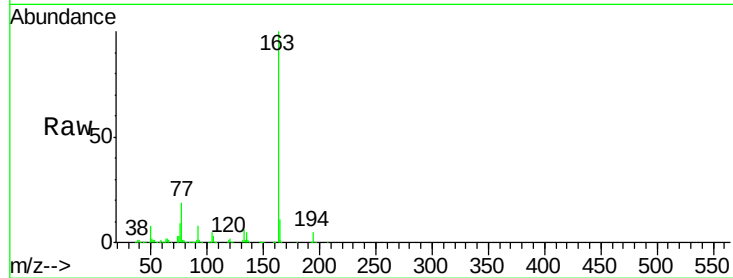
Tgt Ion:163 Resp: 1013604

Ion Ratio Lower Upper

163 100

194 4.6 3.8 5.6

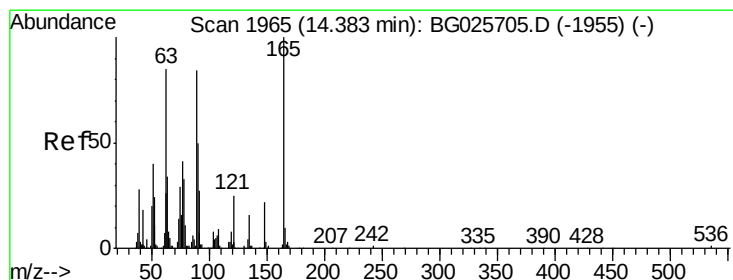
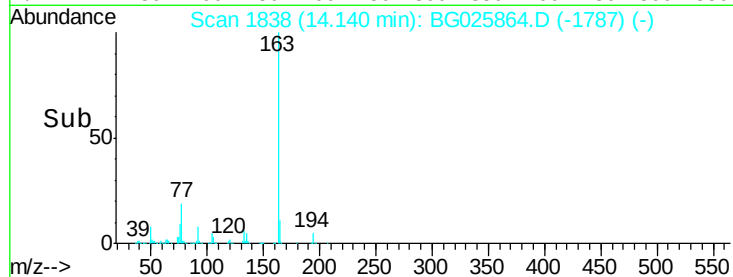
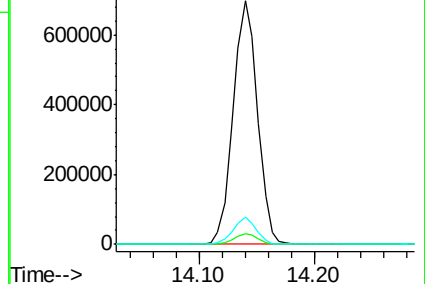
164 11.0 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 43.84 ng

RT: 14.25 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

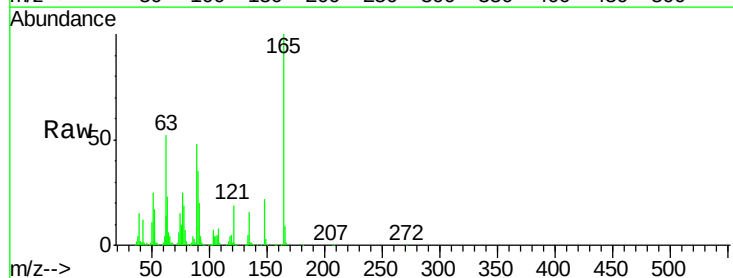
Tgt Ion:165 Resp: 230124

Ion Ratio Lower Upper

165 100

63 51.9 63.9 95.9#

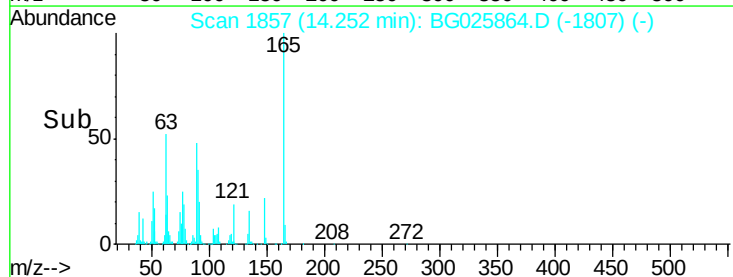
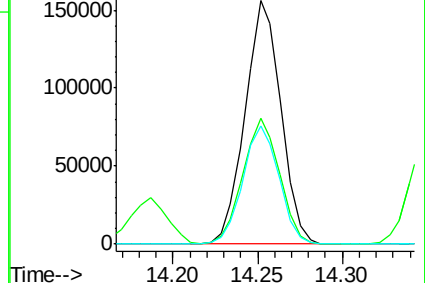
89 48.4 58.6 88.0#

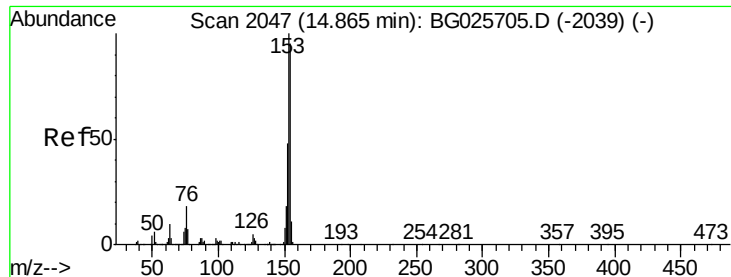


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 44.25 ng

RT: 14.75 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

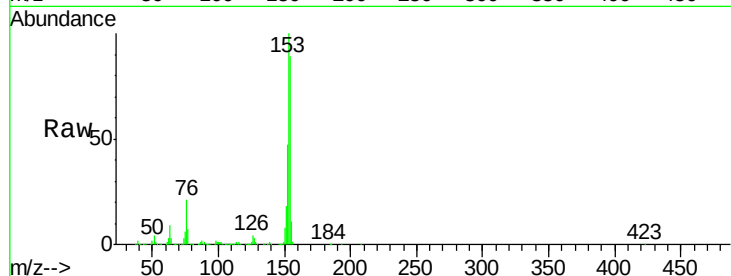
Tgt Ion:154 Resp: 928570

Ion Ratio Lower Upper

154 100

153 112.5 87.8 131.6

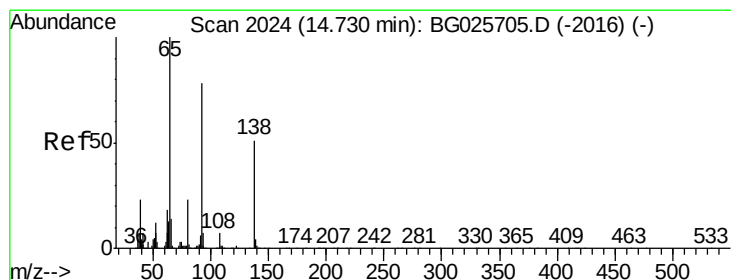
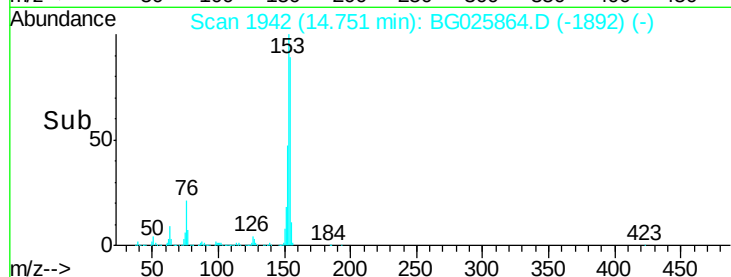
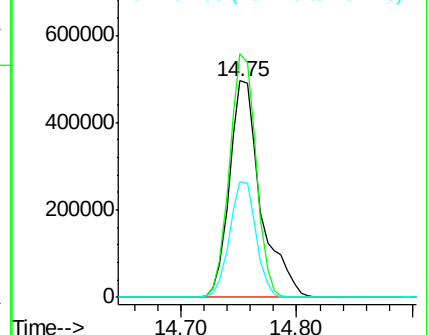
152 53.2 42.2 63.4



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: 18.60 ng

RT: 14.57 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

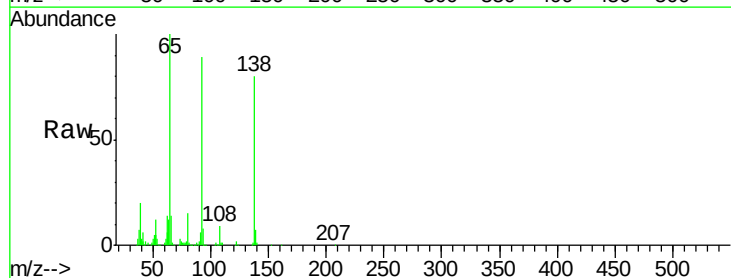
Tgt Ion:138 Resp: 109207

Ion Ratio Lower Upper

138 100

108 10.9 10.9 16.3

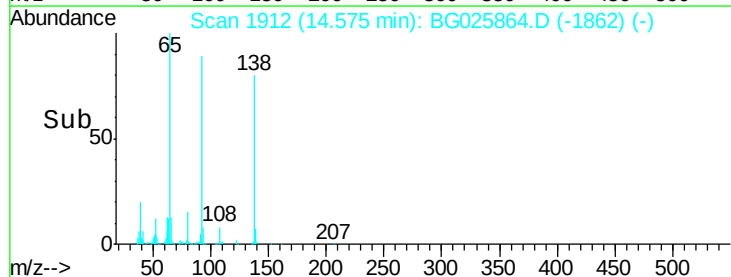
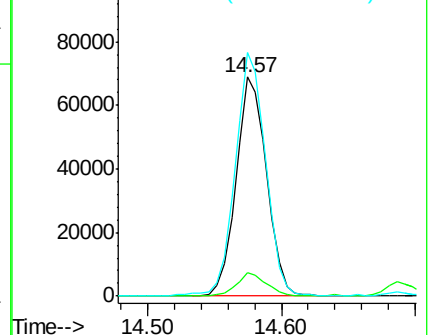
92 111.3 115.3 172.9#

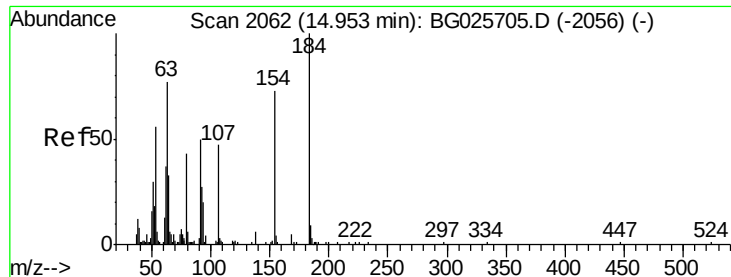


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

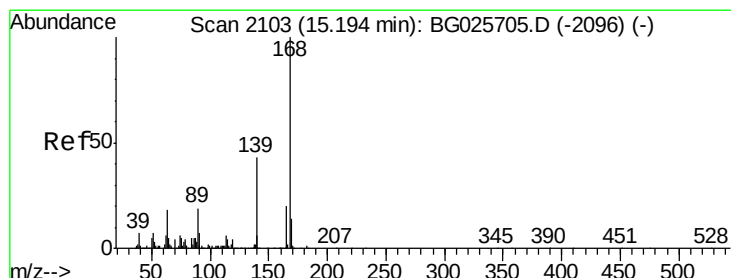
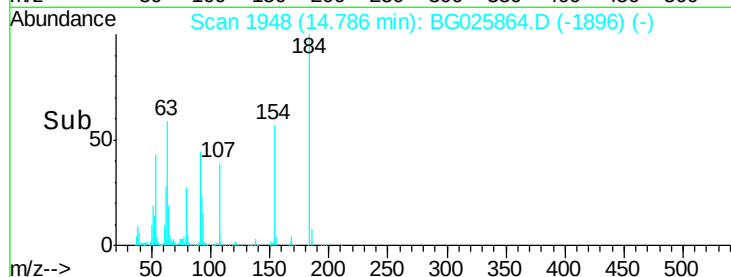
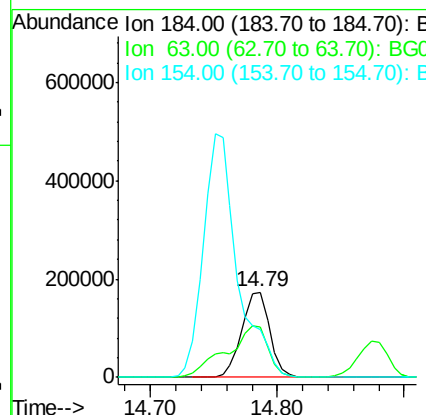
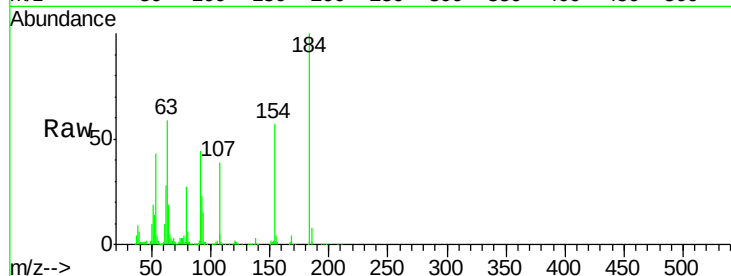




#53  
 2,4-Dinitrophenol  
 Concen: 96.34 ng  
 RT: 14.79 min Scan# 1948  
 Delta R.T. 0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

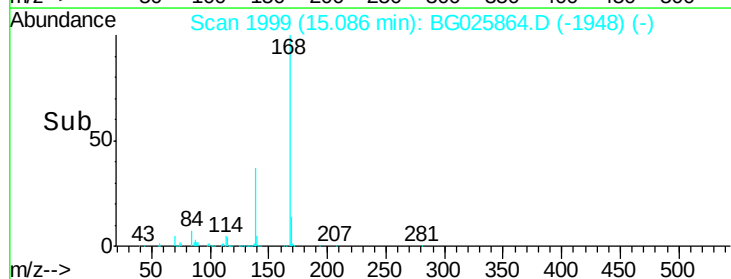
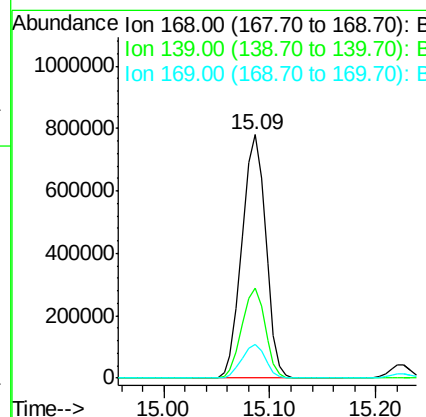
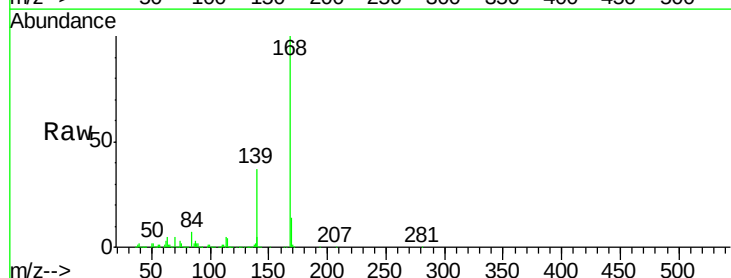
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

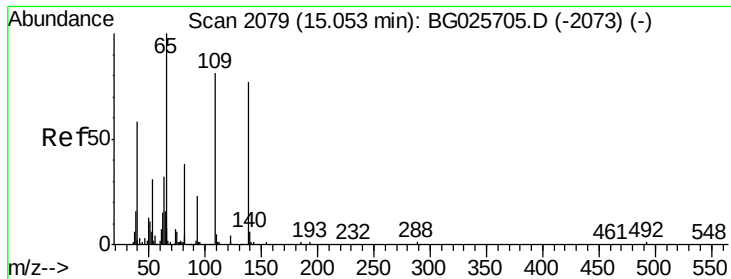
Tgt Ion:184 Resp: 264647  
 Ion Ratio Lower Upper  
 184 100  
 63 58.6 52.7 79.1  
 154 56.6 57.3 85.9#



#54  
 Dibenzofuran  
 Concen: 43.34 ng  
 RT: 15.09 min Scan# 1999  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion:168 Resp: 1212394  
 Ion Ratio Lower Upper  
 168 100  
 139 36.7 35.3 52.9  
 169 13.9 11.5 17.3

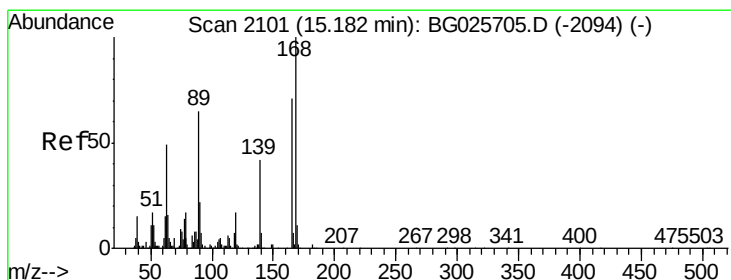
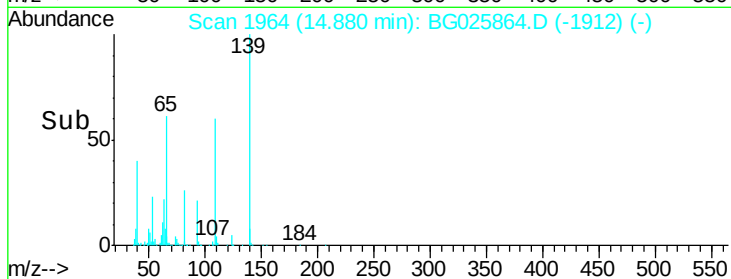
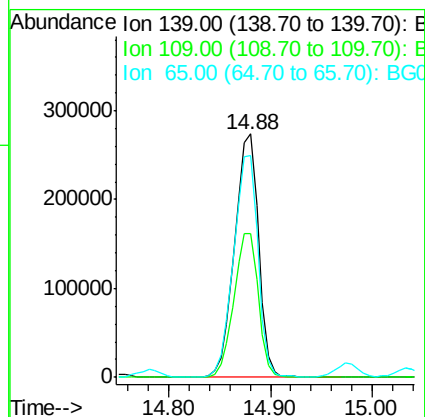
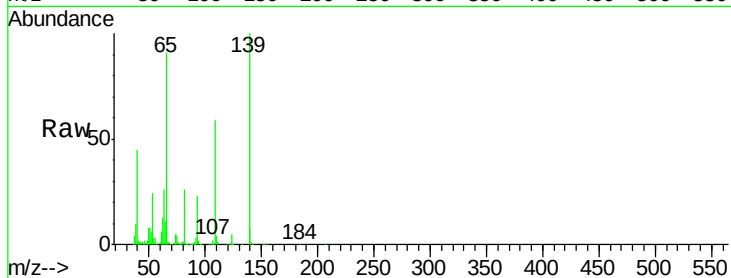




#55  
4-Nitrophenol  
Concen: 94.30 ng  
RT: 14.88 min Scan# 1964  
Delta R.T. 0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

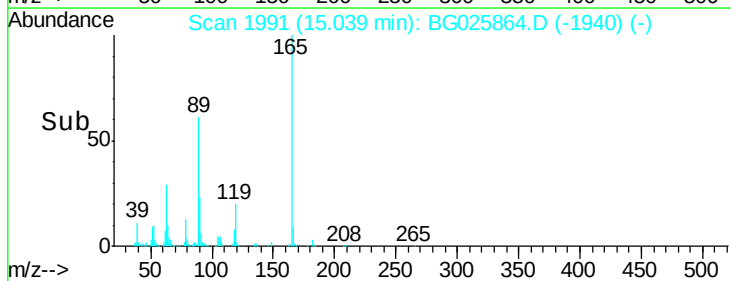
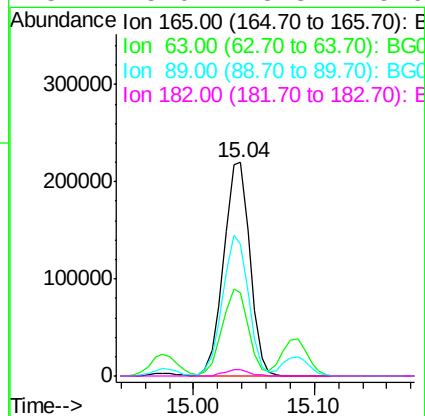
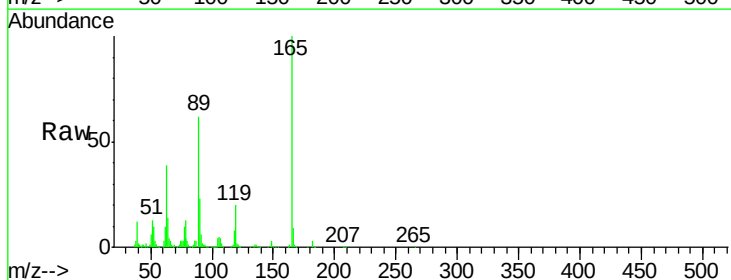
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

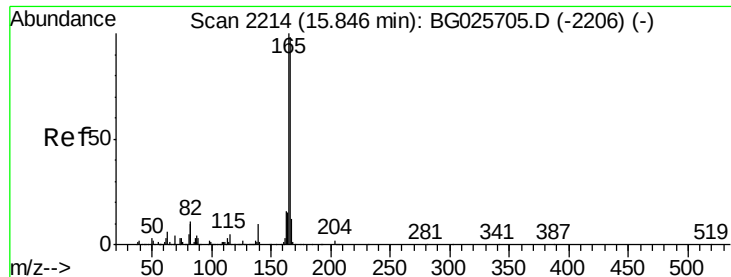
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 59.2  | 101.2 | 141.2# |
| 65      | 91.2  | 135.3 | 175.3# |



#56  
2,4-Dinitrotoluene  
Concen: 46.80 ng  
RT: 15.04 min Scan# 1991  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 38.9  | 44.0  | 66.0#  |
| 89      | 61.6  | 67.3  | 100.9# |
| 182     | 3.0   | 3.8   | 5.6#   |





#57

Fluorene

Concen: 40.81 ng

RT: 15.73 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

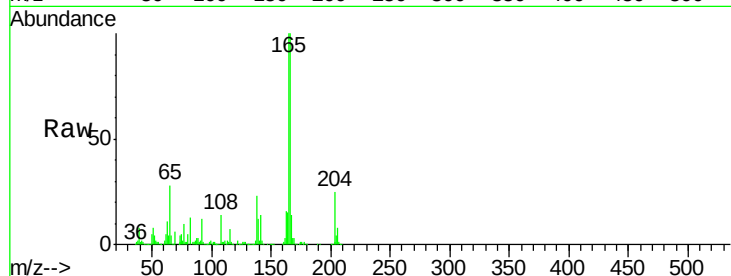
Tgt Ion:166 Resp: 1020279

Ion Ratio Lower Upper

166 100

165 100.3 78.6 117.8

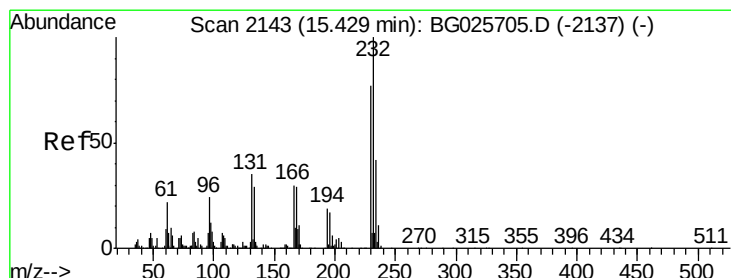
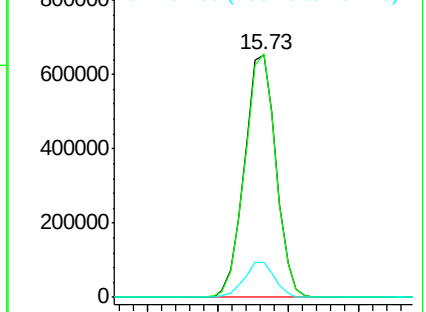
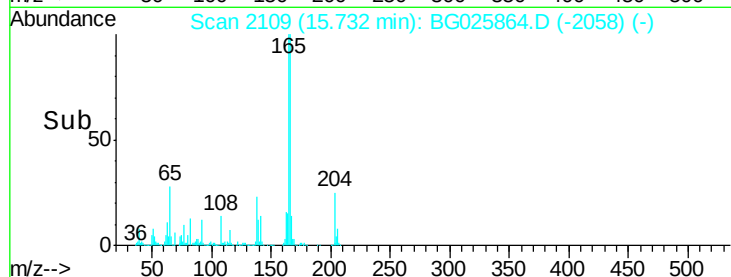
167 14.4 11.6 17.4



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: 48.94 ng

RT: 15.30 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Tgt Ion:232 Resp: 270249

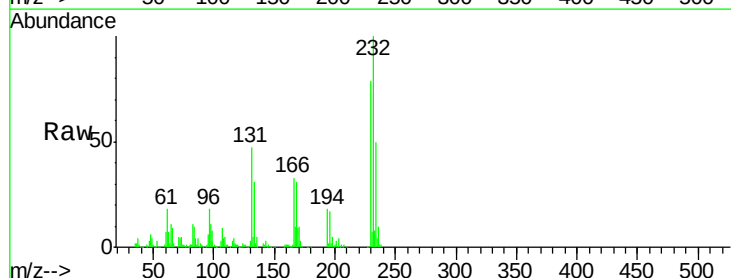
Ion Ratio Lower Upper

232 100

131 45.3 34.9 52.3

130 2.5 2.3 3.5

166 32.5 24.2 36.4

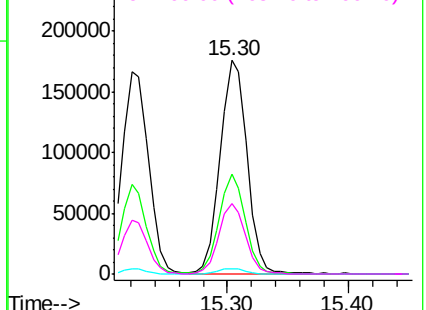
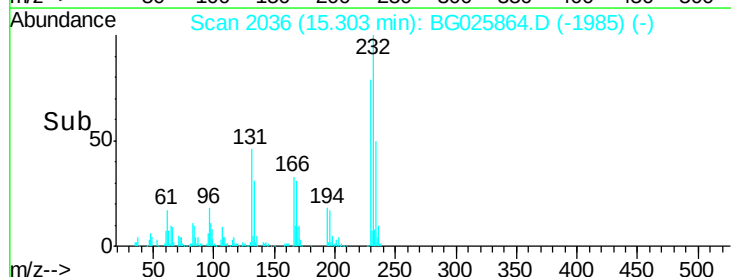


Abundance Ion 232.00 (231.70 to 232.70): E

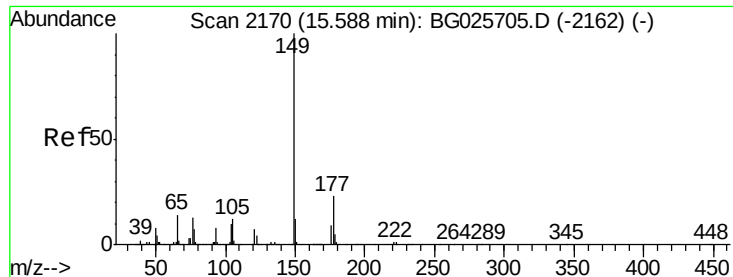
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



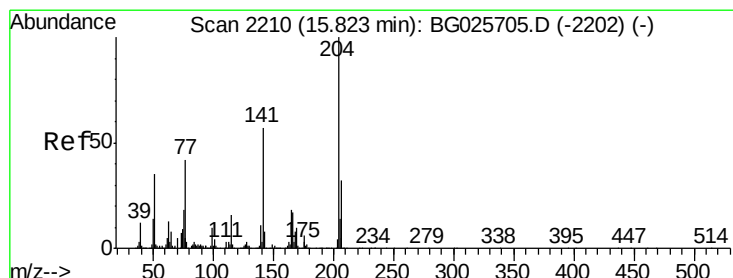
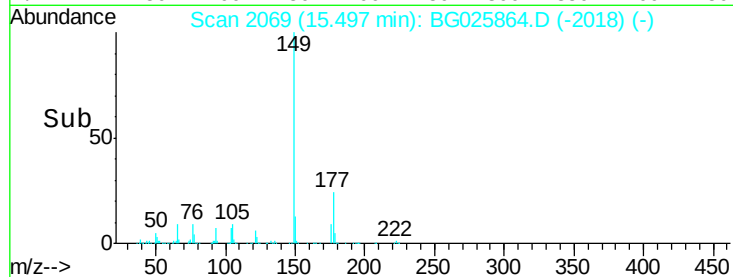
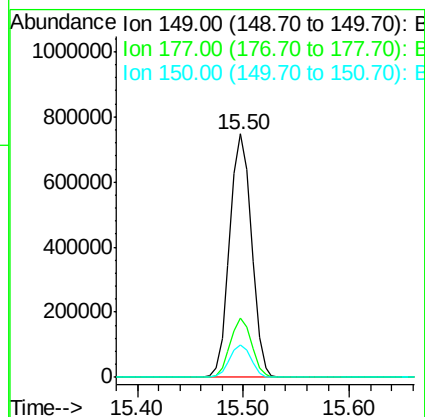
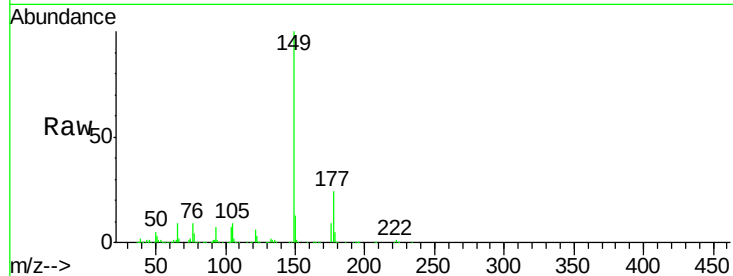




#59  
Diethylphthalate  
Concen: 44.20 ng  
RT: 15.50 min Scan# 2069  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

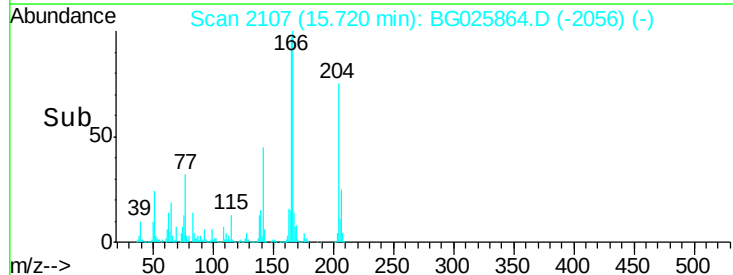
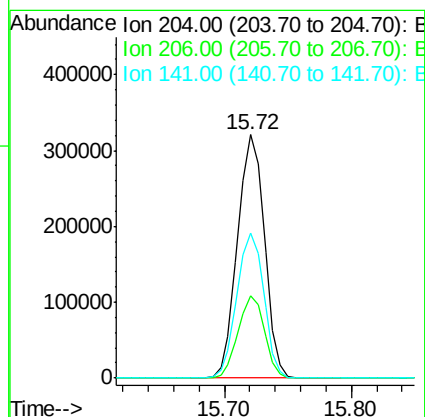
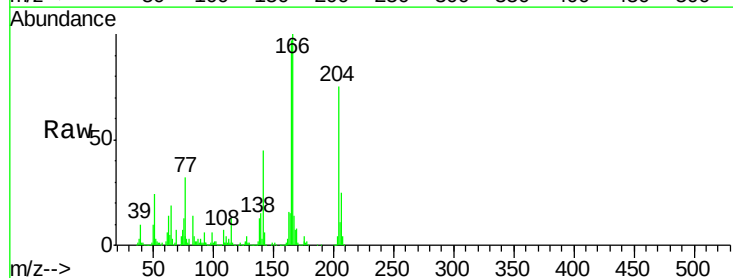
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

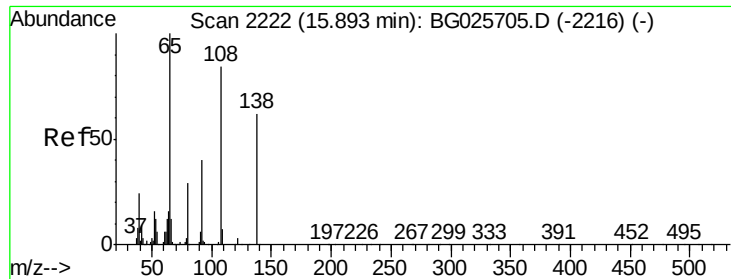
Tgt Ion:149 Resp: 1068410  
Ion Ratio Lower Upper  
149 100  
177 24.3 20.1 30.1  
150 13.4 10.2 15.2



#60  
4-Chlorophenyl-phenylether  
Concen: 40.64 ng  
RT: 15.72 min Scan# 2107  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

Tgt Ion:204 Resp: 470746  
Ion Ratio Lower Upper  
204 100  
206 33.8 30.1 45.1  
141 59.6 50.6 76.0





#61

4-Nitroaniline

Concen: 44.27 ng

RT: 15.74 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

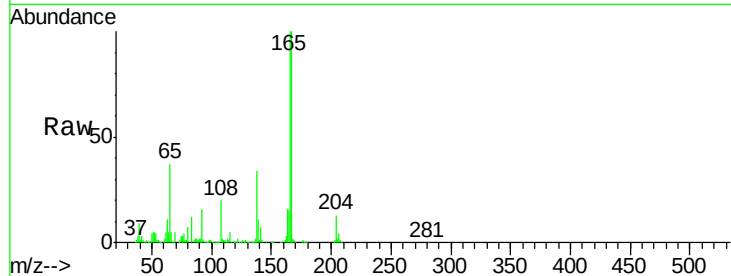
Tgt Ion:138 Resp: 269472

Ion Ratio Lower Upper

138 100

92 47.3 44.2 84.2

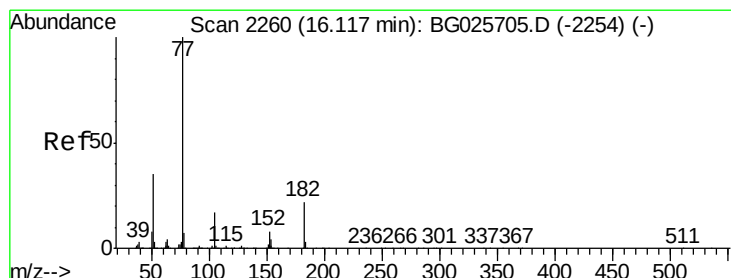
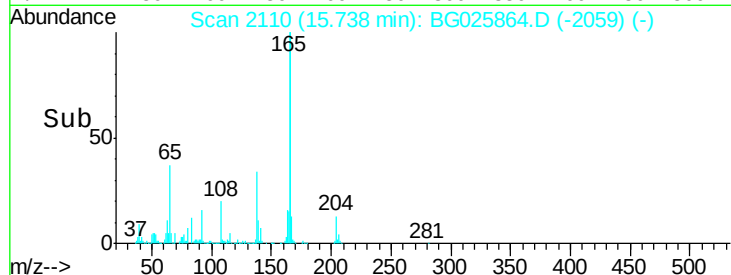
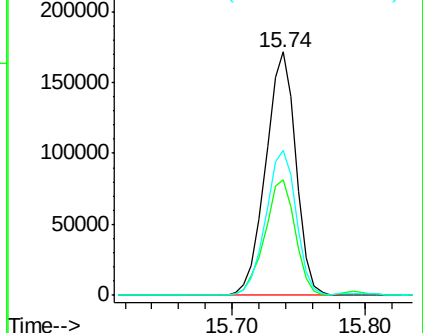
108 59.6 104.8 144.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 46.76 ng

RT: 16.01 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Tgt Ion: 77 Resp: 971624

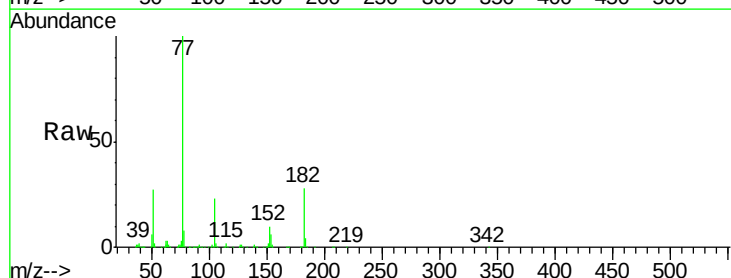
Ion Ratio Lower Upper

77 100

182 28.4 4.7 44.7

105 22.6 0.0 36.3

51 27.3 16.4 56.4

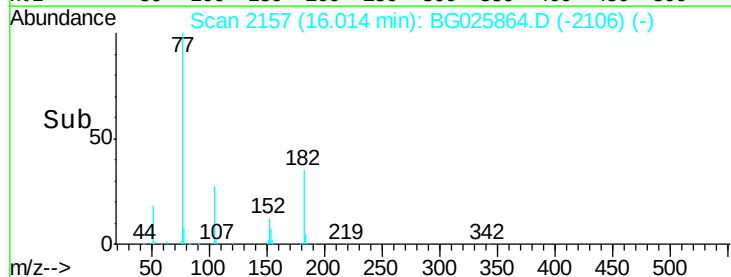
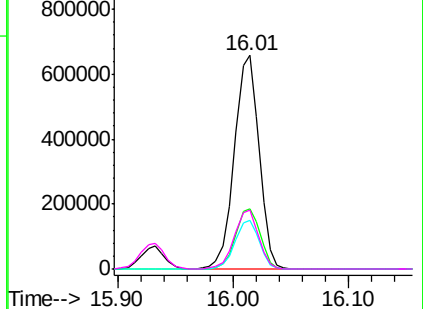


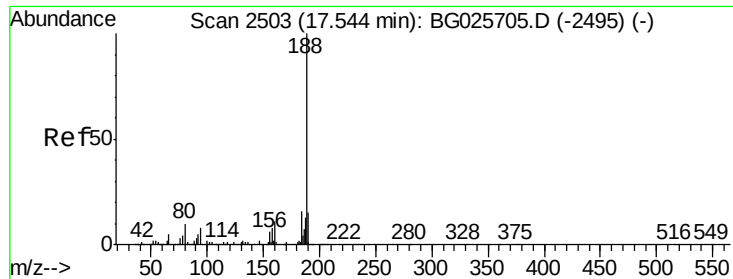
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

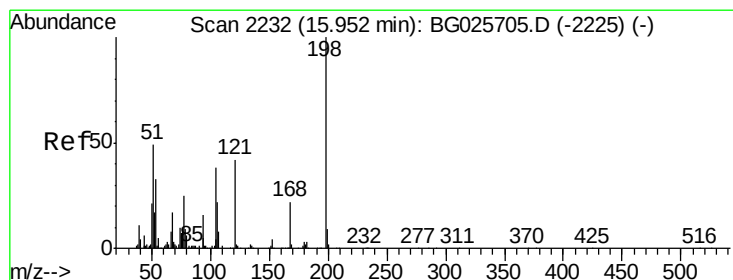
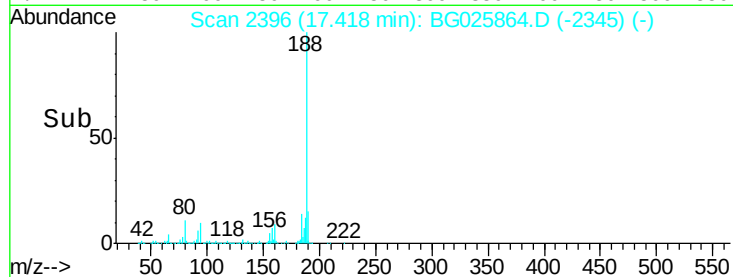
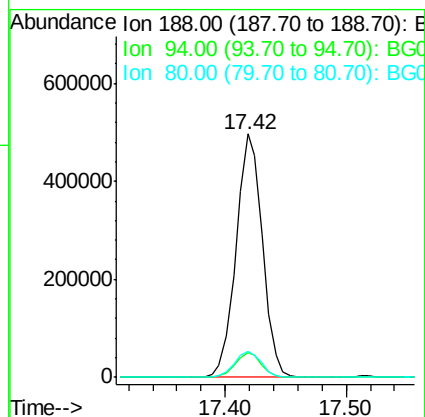
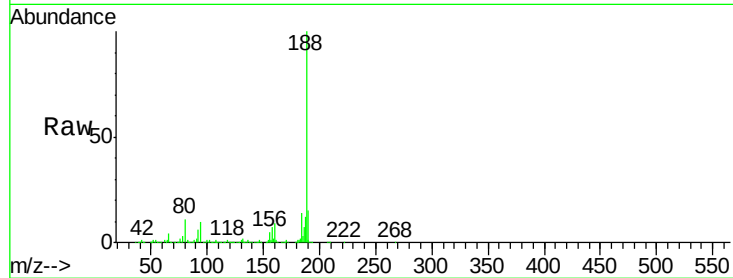




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.42 min Scan# 2396  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

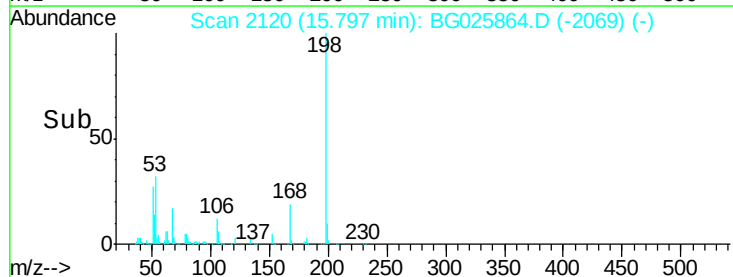
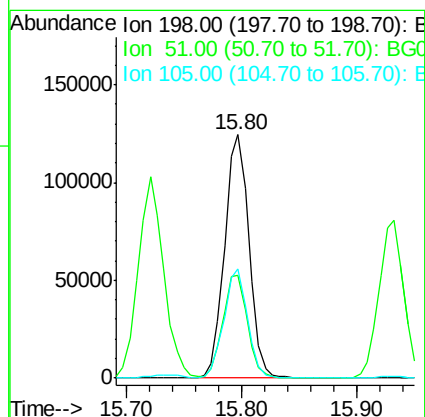
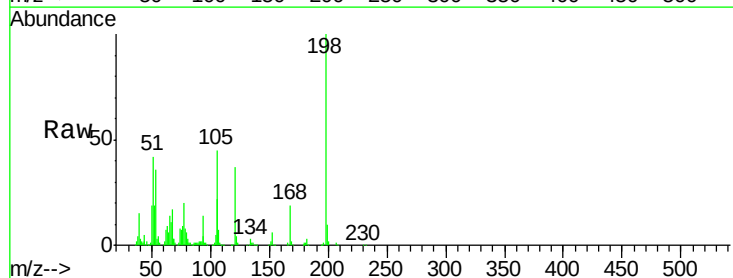
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

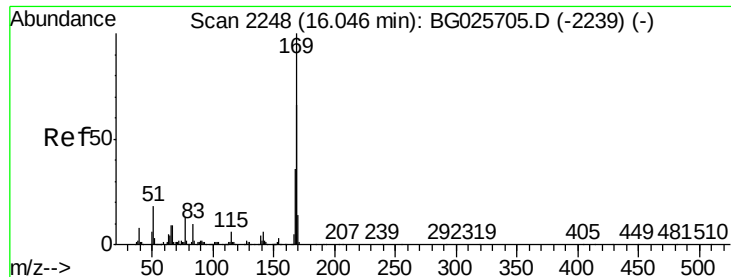
Tgt Ion:188 Resp: 753014  
Ion Ratio Lower Upper  
188 100  
94 10.3 5.8 8.8#  
80 10.8 7.5 11.3



#64  
4,6-Dinitro-2-methylphenol  
Concen: 41.37 ng  
RT: 15.80 min Scan# 2120  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

Tgt Ion:198 Resp: 182294  
Ion Ratio Lower Upper  
198 100  
51 42.4 22.6 62.6  
105 44.8 14.4 54.4

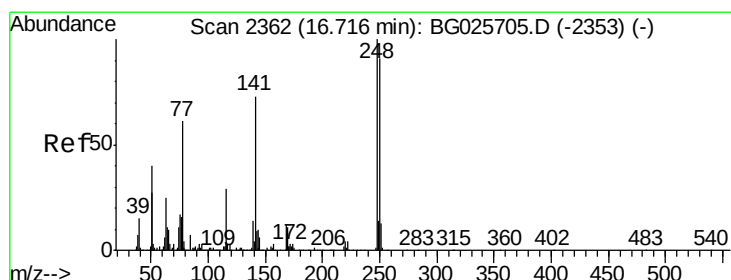
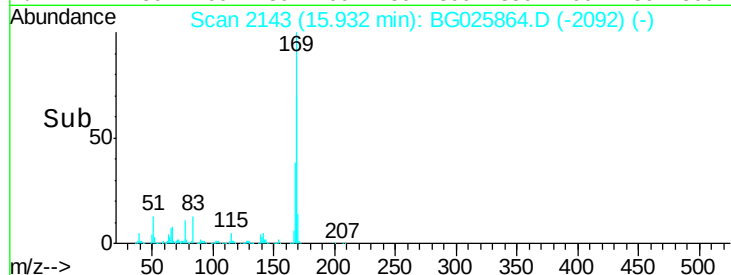
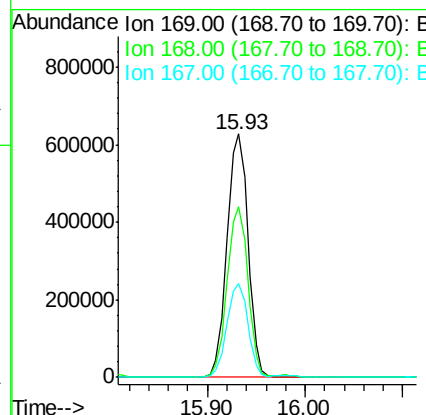
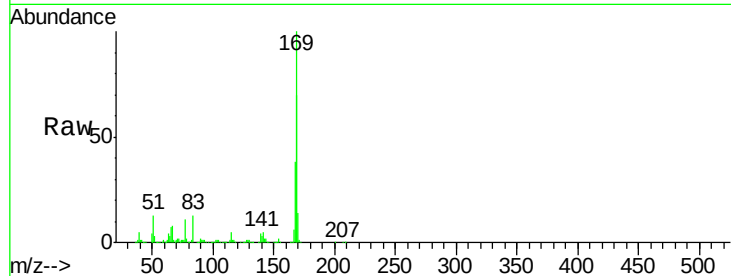




#65  
n-Nitrosodiphenylamine  
Concen: 41.08 ng  
RT: 15.93 min Scan# 2143  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

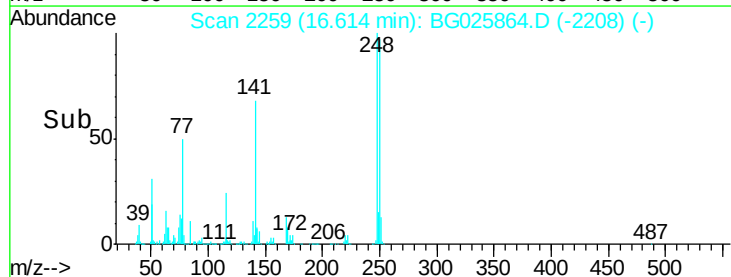
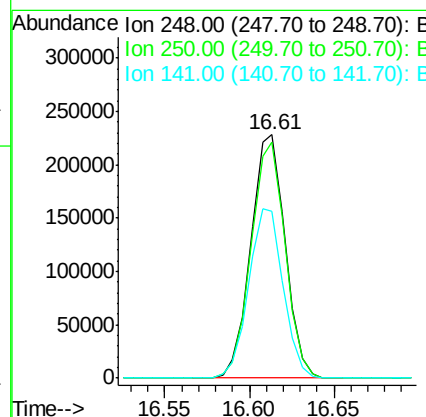
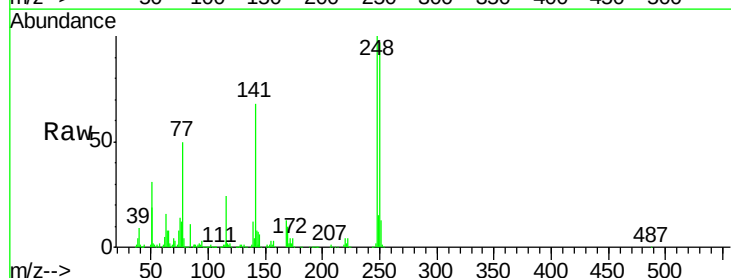
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

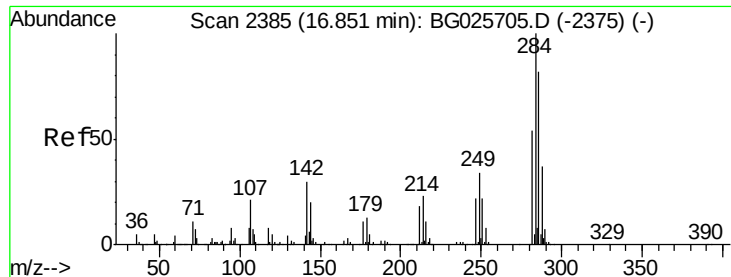
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 70.0  | 55.7  | 83.5  |
| 167     | 38.4  | 29.8  | 44.6  |



#66  
4-Bromophenyl-phenylether  
Concen: 40.81 ng  
RT: 16.61 min Scan# 2259  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.1  | 75.0  | 112.6 |
| 141     | 68.3  | 55.2  | 82.8  |

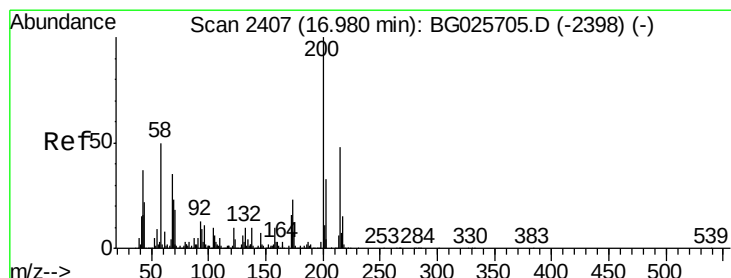
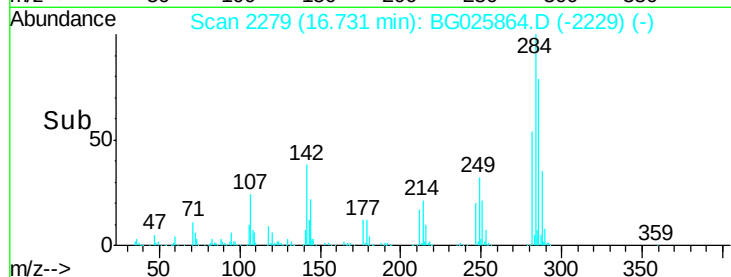
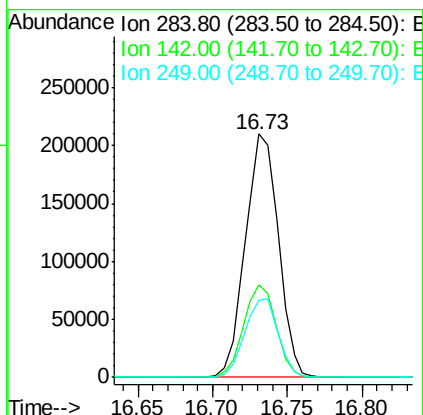
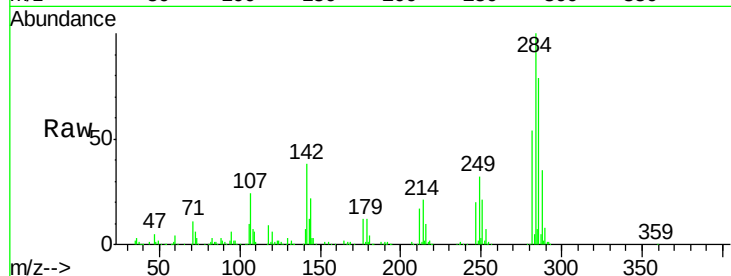




#67  
Hexachlorobenzene  
Concen: 39.44 ng  
RT: 16.73 min Scan# 2279  
Delta R.T. -0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

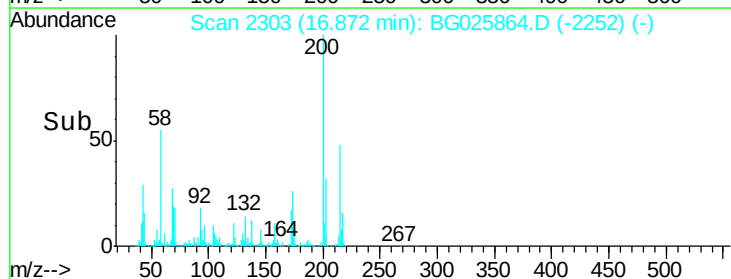
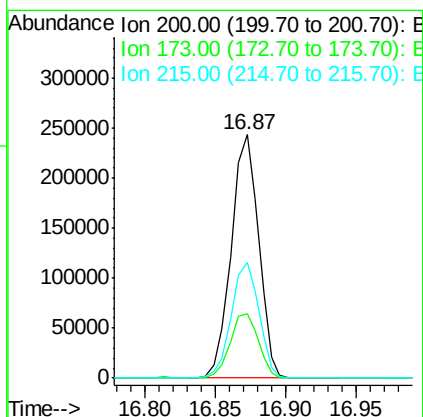
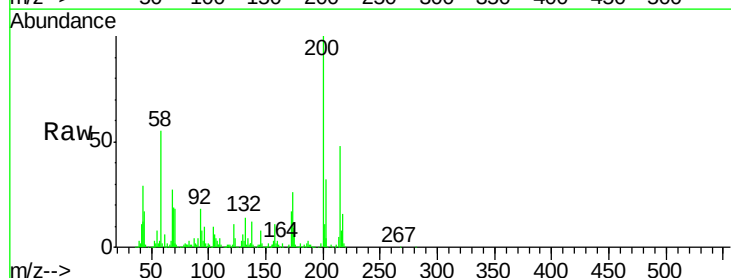
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

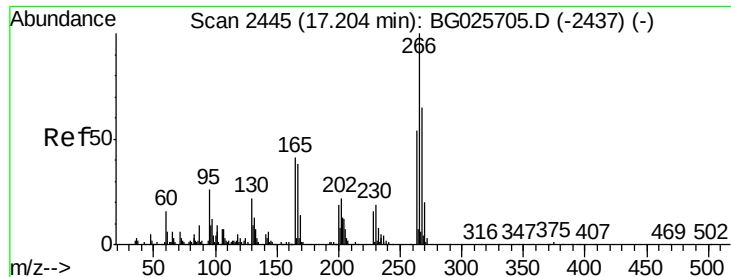
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.8  | 29.9  | 44.9  |
| 249     | 31.9  | 29.2  | 43.8  |



#68  
Atrazine  
Concen: 40.80 ng  
RT: 16.87 min Scan# 2303  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.5  | 3.0   | 43.0  |
| 215     | 47.6  | 28.4  | 68.4  |





#69

Pentachlorophenol

Concen: 84.67 ng

RT: 17.07 min Scan# 2336

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

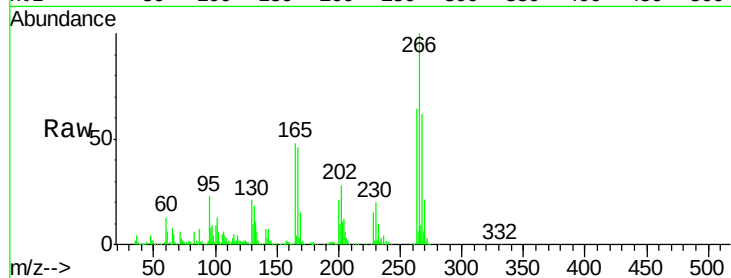
Tgt Ion:266 Resp: 424863

Ion Ratio Lower Upper

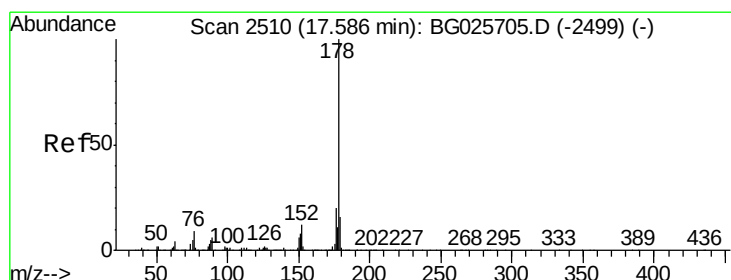
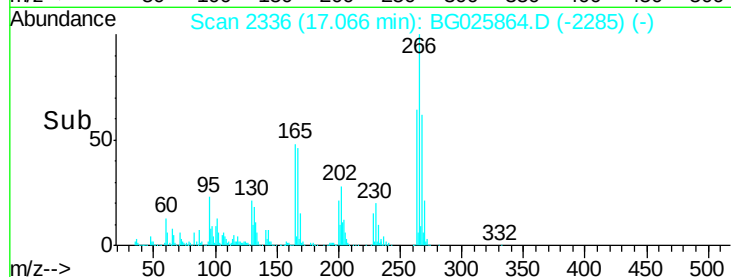
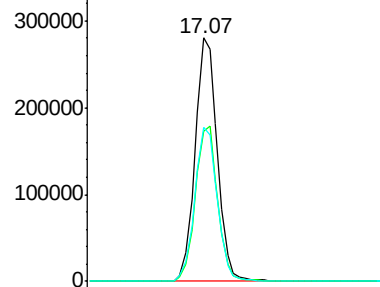
266 100

268 61.5 48.6 72.8

264 63.5 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: 40.20 ng

RT: 17.47 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

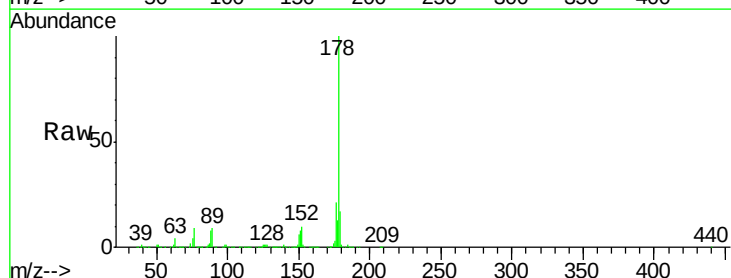
Tgt Ion:178 Resp: 1643459

Ion Ratio Lower Upper

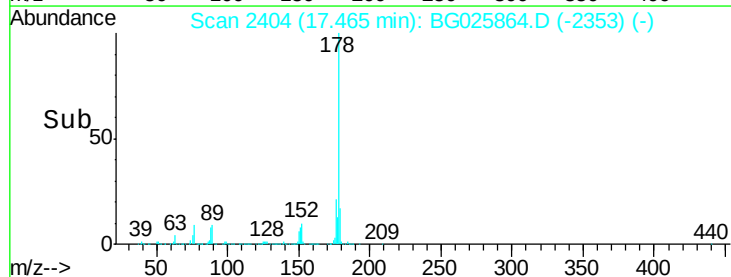
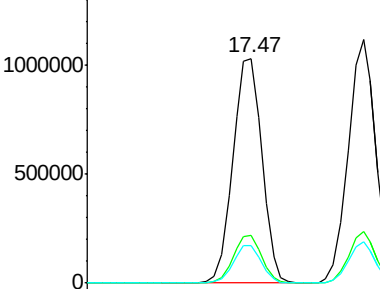
178 100

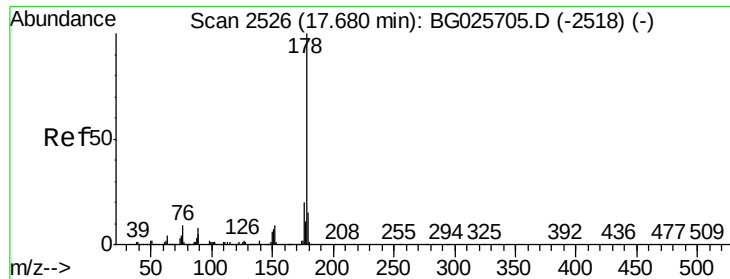
176 21.5 17.7 26.5

179 16.5 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: 40.57 ng

RT: 17.55 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

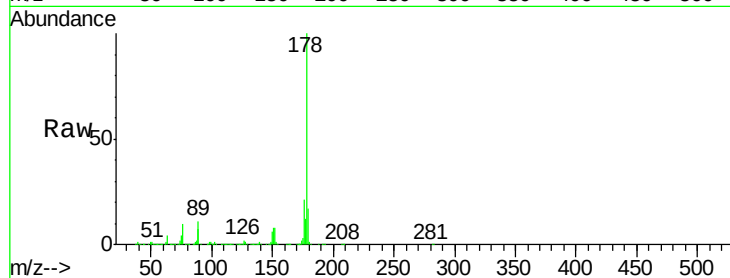
Tgt Ion:178 Resp: 1690622

Ion Ratio Lower Upper

178 100

176 21.3 16.4 24.6

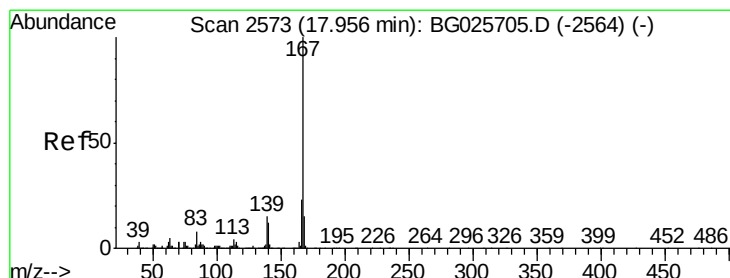
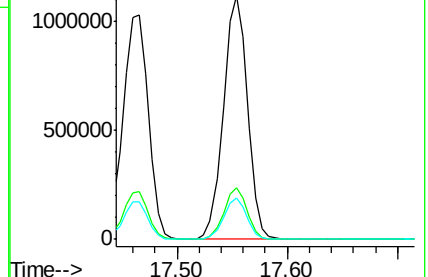
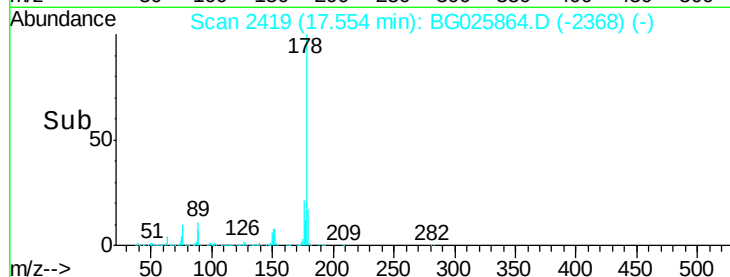
179 16.8 13.8 20.8



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: 38.50 ng

RT: 17.81 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

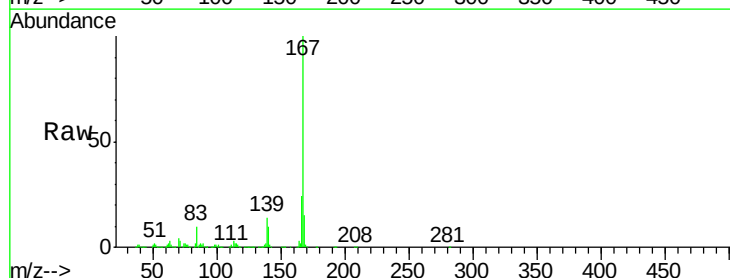
Tgt Ion:167 Resp: 1611823

Ion Ratio Lower Upper

167 100

166 24.4 20.2 30.2

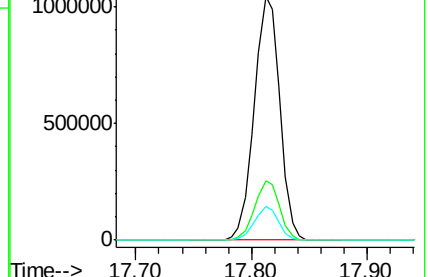
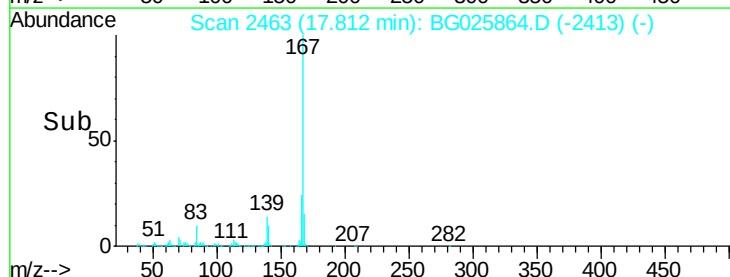
139 13.6 12.8 19.2

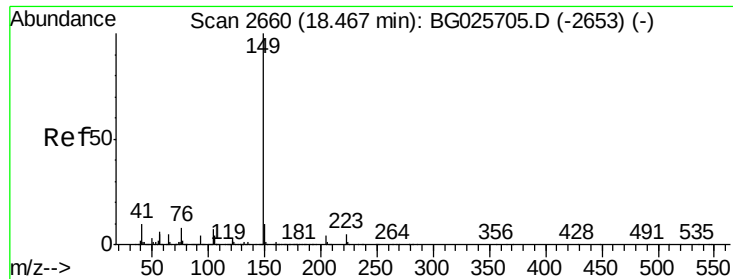


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 45.25 ng

RT: 18.38 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

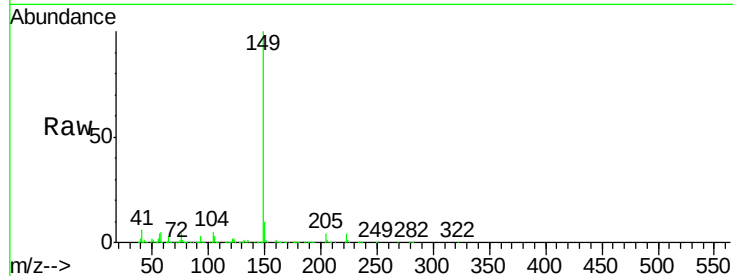
Tgt Ion:149 Resp: 1859799

Ion Ratio Lower Upper

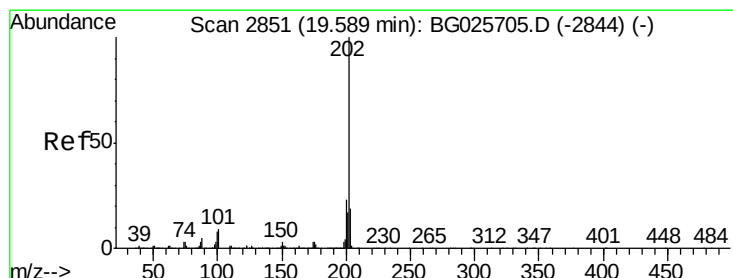
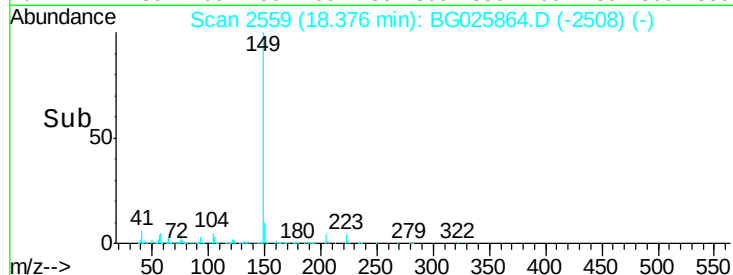
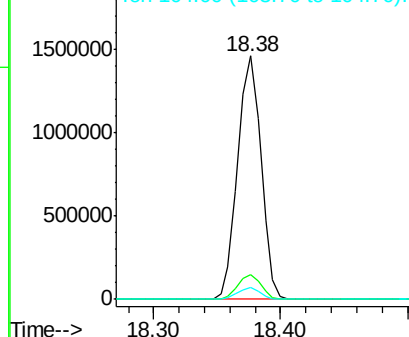
149 100

150 10.2 9.1 13.7

104 4.8 6.7 10.1#



Abundance Ion 149.00 (148.70 to 149.70): E  
2000000  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.69 ng

RT: 19.46 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

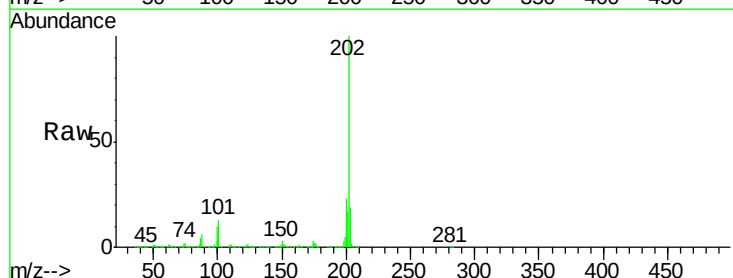
Tgt Ion:202 Resp: 1876177

Ion Ratio Lower Upper

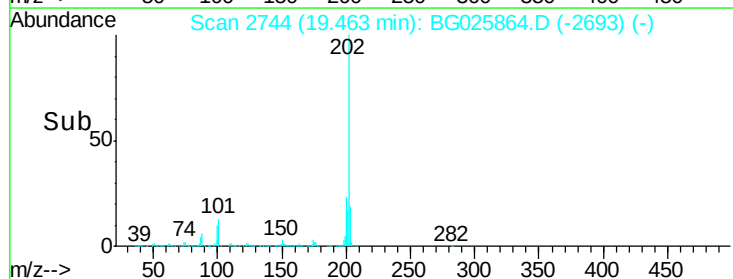
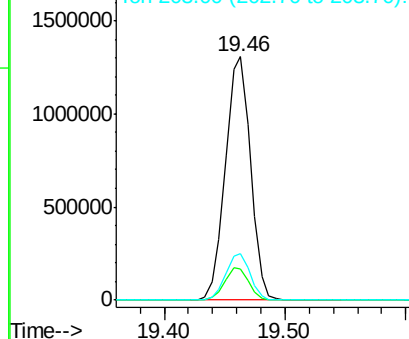
202 100

101 13.0 0.0 30.1

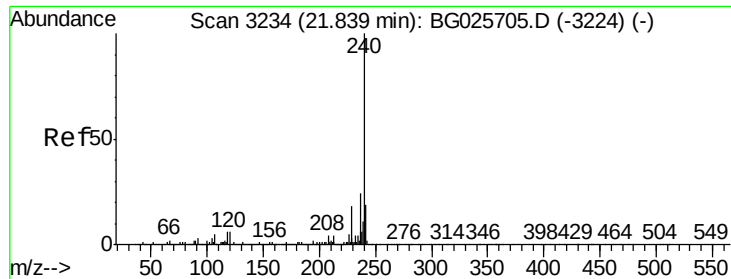
203 19.0 1.3 41.3



Abundance Ion 202.00 (201.70 to 202.70): E  
1500000  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



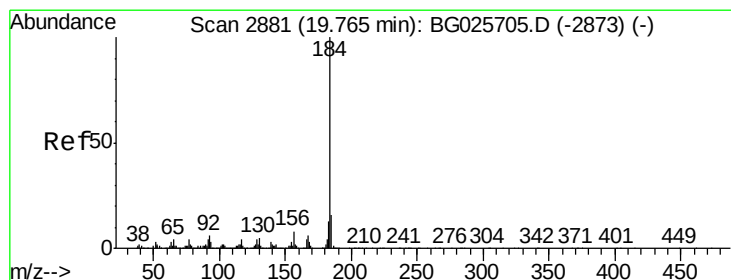
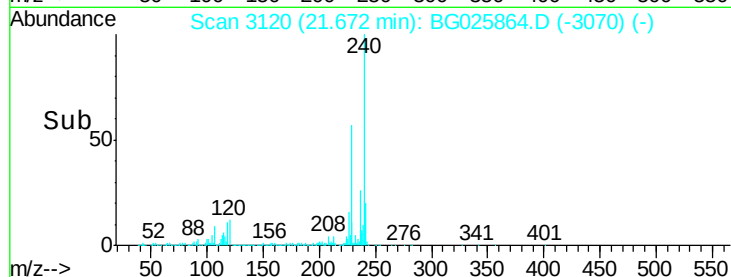
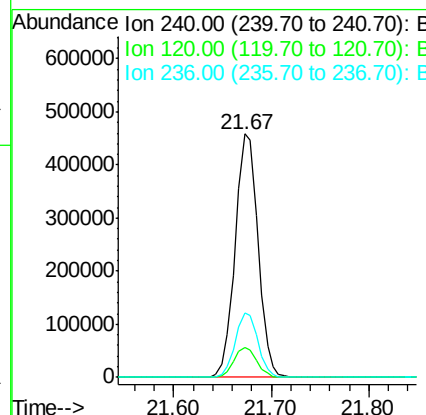
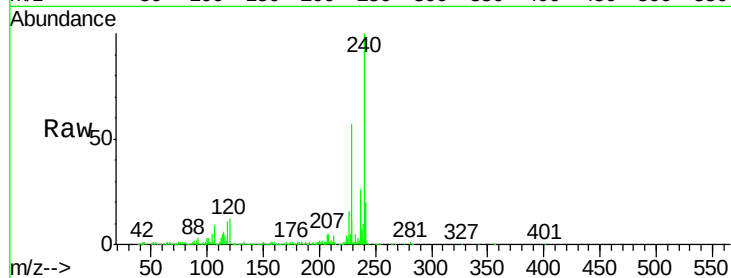




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.67 min Scan# 3120  
Delta R.T. -0.01 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

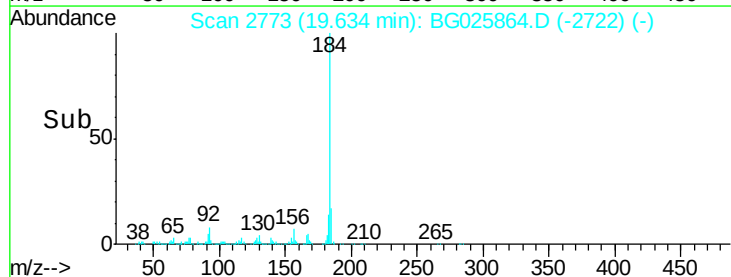
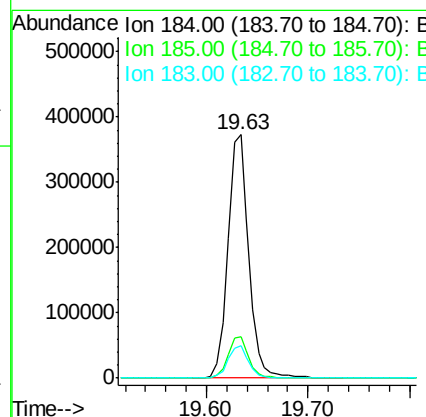
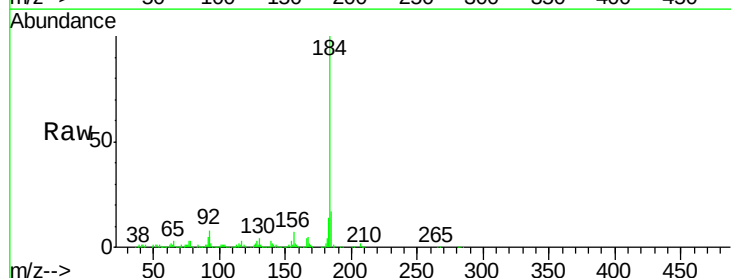
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

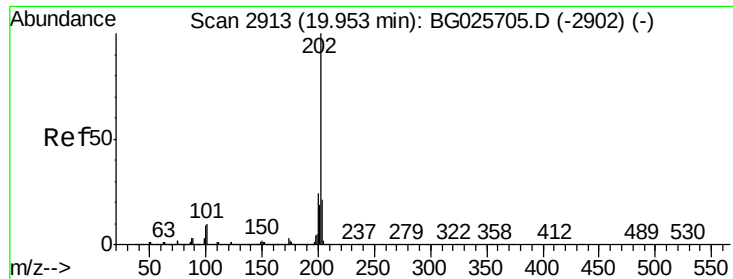
Tgt Ion:240 Resp: 745375  
Ion Ratio Lower Upper  
240 100  
120 12.2 5.7 8.5#  
236 26.3 22.2 33.4



#76  
Benzidine  
Concen: 22.51 ng  
RT: 19.63 min Scan# 2773  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

Tgt Ion:184 Resp: 529676  
Ion Ratio Lower Upper  
184 100  
185 17.0 13.0 19.6  
183 13.6 11.0 16.6

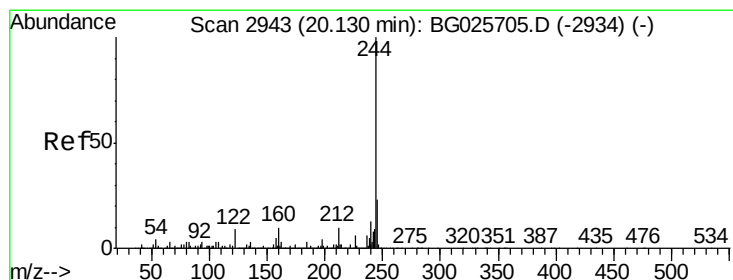
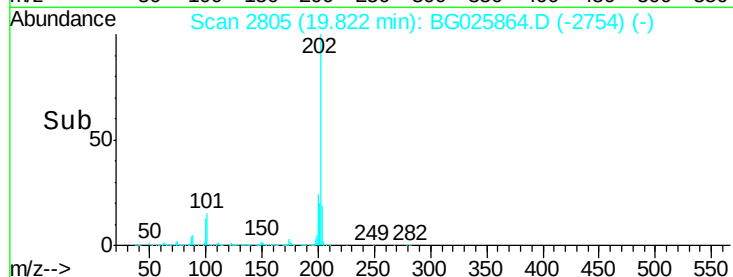
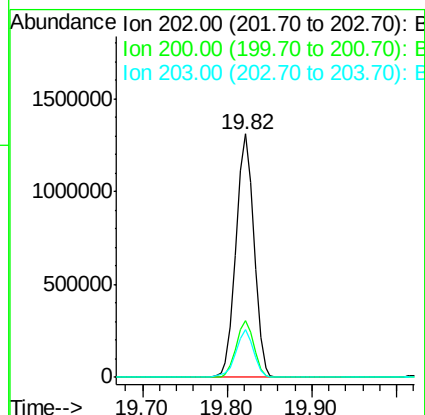
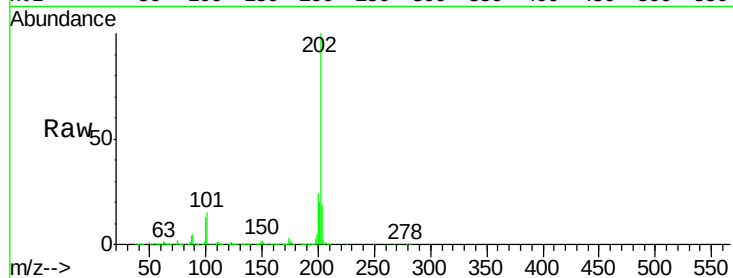




#77  
 Pyrene  
 Concen: 40.26 ng  
 RT: 19.82 min Scan# 2805  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

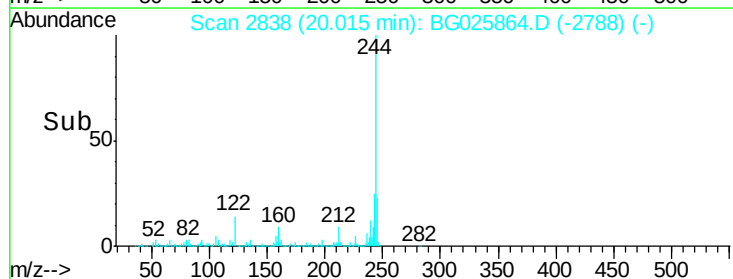
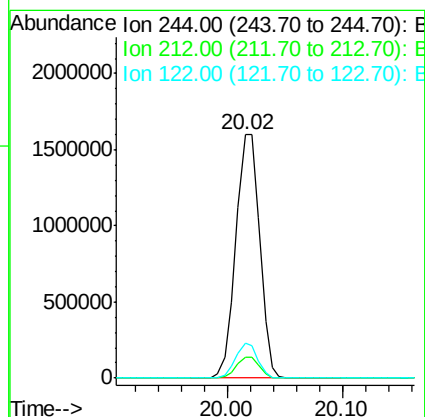
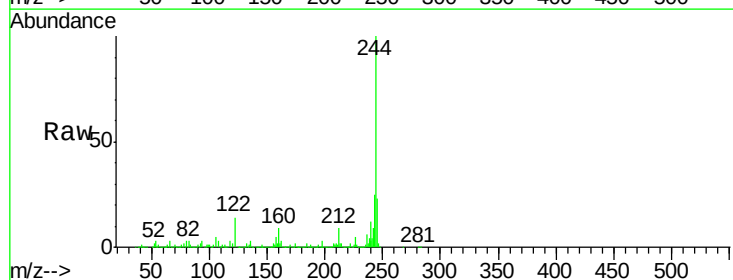
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

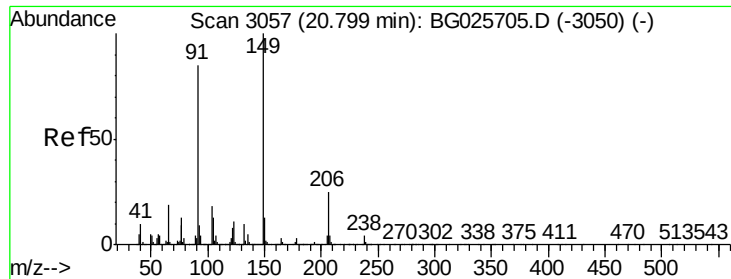
Tgt Ion:202 Resp: 1897892  
 Ion Ratio Lower Upper  
 202 100  
 200 23.5 19.6 29.4  
 203 19.4 15.8 23.8



#78  
 Terphenyl-d14  
 Concen: 74.99 ng  
 RT: 20.02 min Scan# 2838  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion:244 Resp: 2298216  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 10.0 15.0#  
 122 14.3 8.6 12.8#

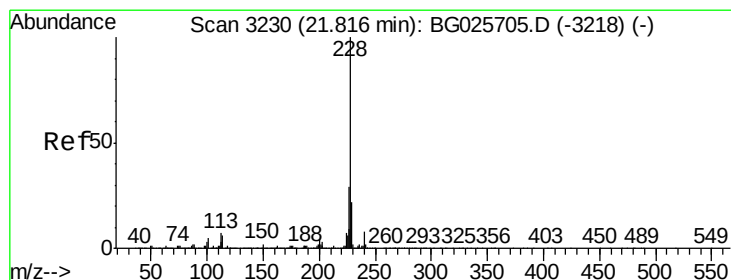
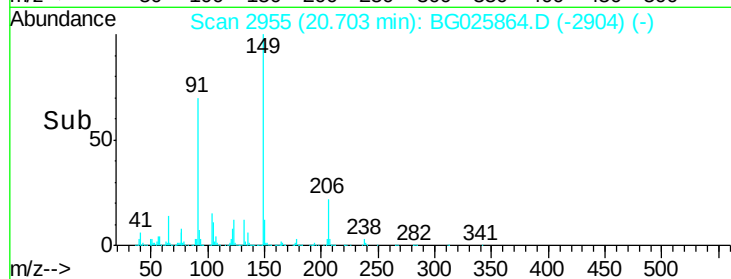
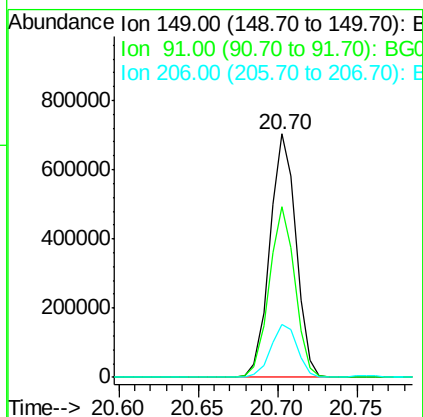
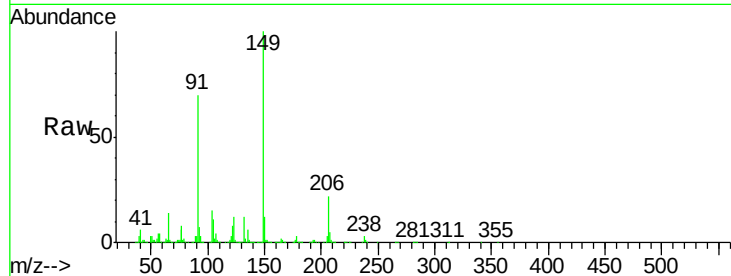




#79  
Butylbenzylphthalate  
Concen: 45.25 ng  
RT: 20.70 min Scan# 2955  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

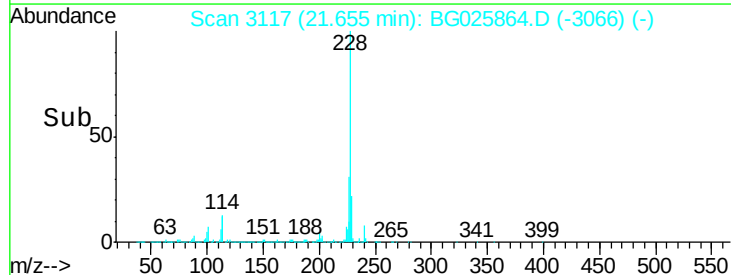
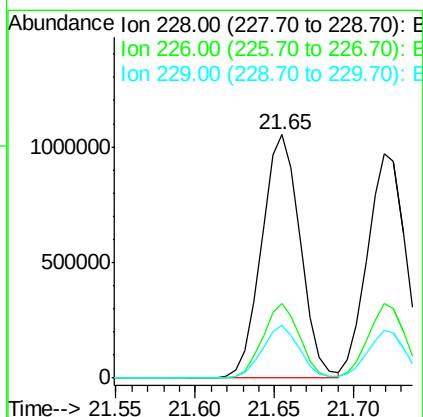
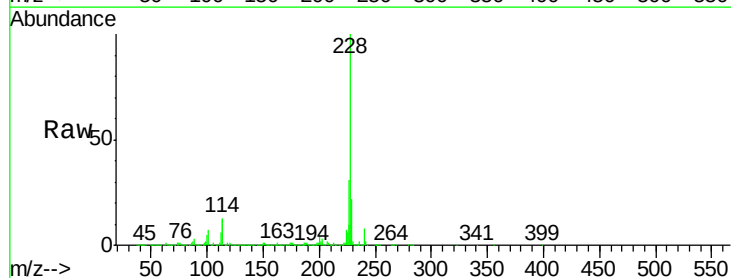
Instrument :  
BNA\_G  
ClientSampleId :  
PB97017BS

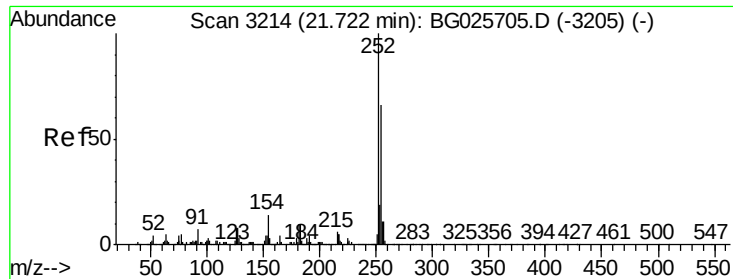
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.0  | 63.5  | 95.3  |
| 206     | 21.7  | 21.0  | 31.6  |



#80  
Benzo(a)anthracene  
Concen: 40.91 ng  
RT: 21.65 min Scan# 3117  
Delta R.T. 0.00 min  
Lab File: BG025864.D  
Acq: 17 Feb 2017 18:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 24.9  | 37.3  |
| 229     | 21.5  | 18.2  | 27.2  |

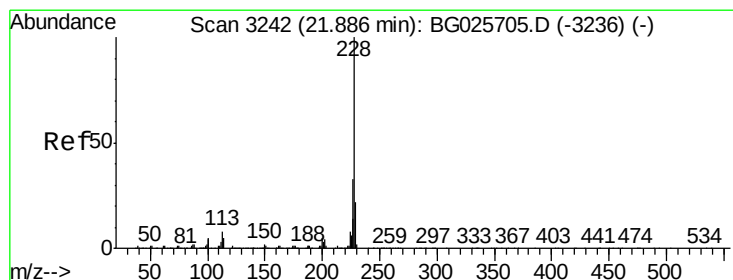
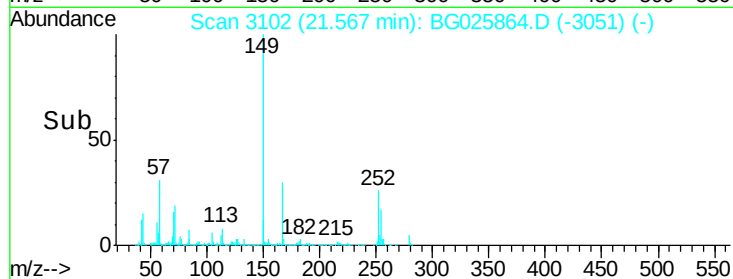
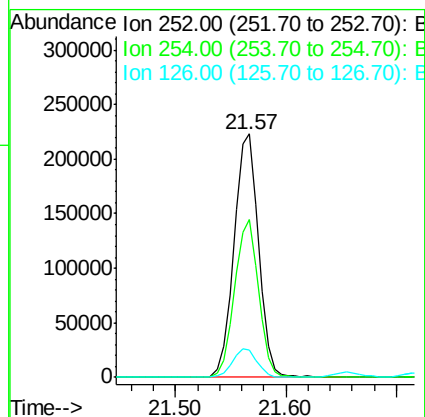
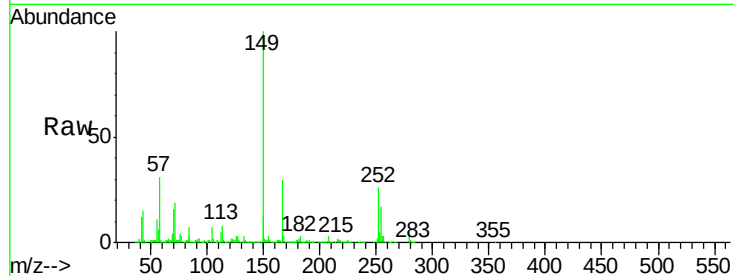




#81  
 3,3'-Dichlorobenzidine  
 Concen: 22.43 ng  
 RT: 21.57 min Scan# 3102  
 Delta R.T. 0.00 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

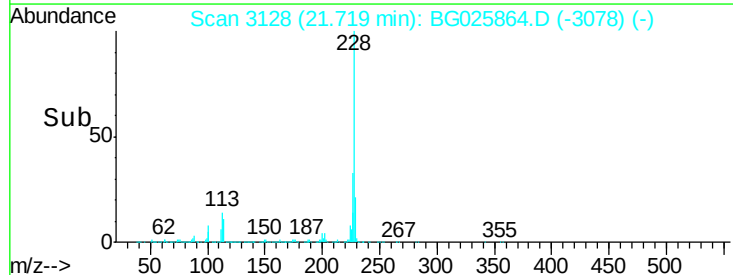
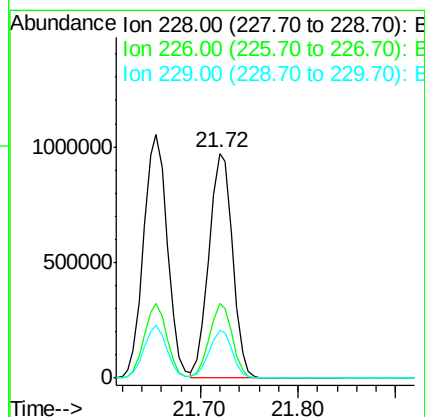
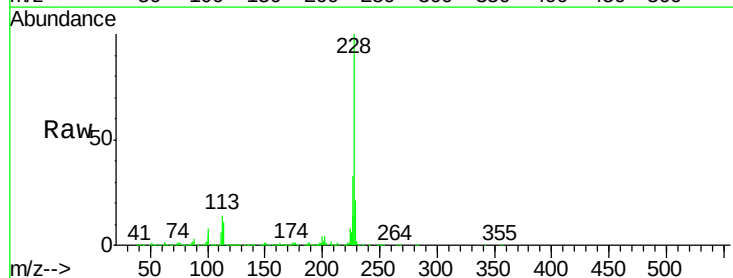
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97017BS

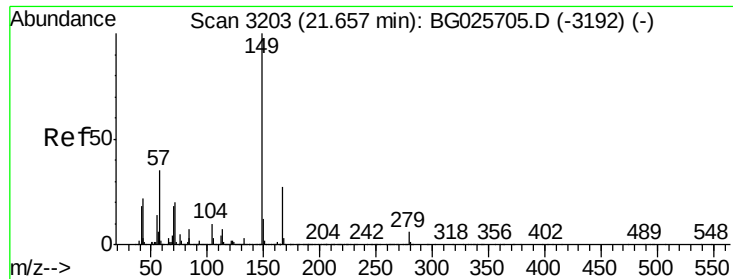
Tgt Ion: 252 Resp: 347971  
 Ion Ratio Lower Upper  
 252 100  
 254 65.0 53.1 79.7  
 126 11.0 7.0 10.4#



#82  
 Chrysene  
 Concen: 38.84 ng  
 RT: 21.72 min Scan# 3128  
 Delta R.T. -0.01 min  
 Lab File: BG025864.D  
 Acq: 17 Feb 2017 18:19

Tgt Ion: 228 Resp: 1625284  
 Ion Ratio Lower Upper  
 228 100  
 226 33.0 27.0 40.4  
 229 21.2 17.8 26.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.24 ng

RT: 21.57 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampled :

PB97017BS

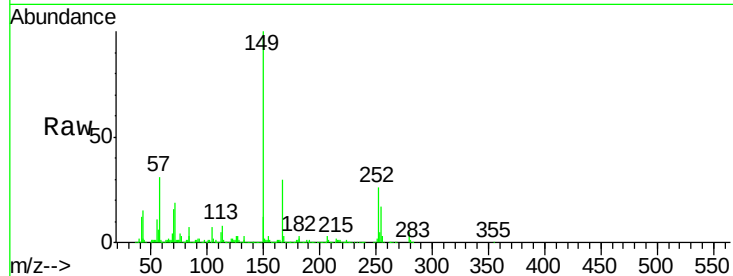
Tgt Ion:149 Resp: 1168577

Ion Ratio Lower Upper

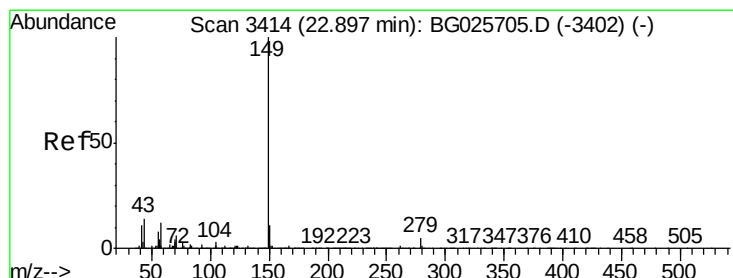
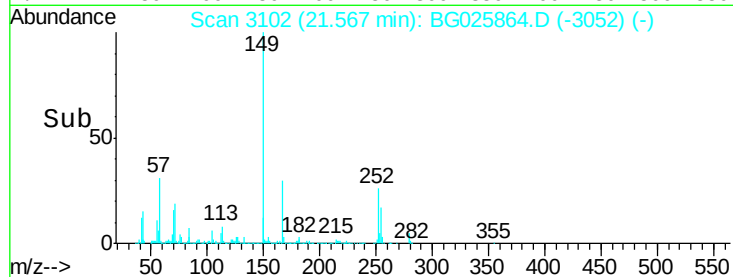
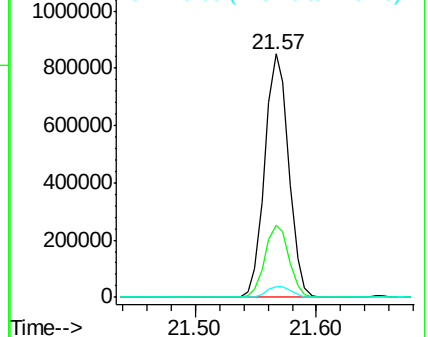
149 100

167 29.8 23.7 35.5

279 4.6 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: 46.87 ng

RT: 22.78 min Scan# 3308

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

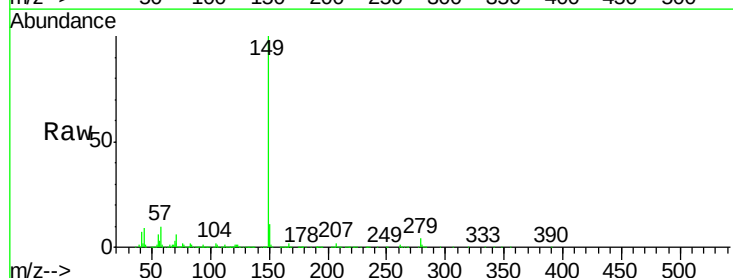
Tgt Ion:149 Resp: 1999276

Ion Ratio Lower Upper

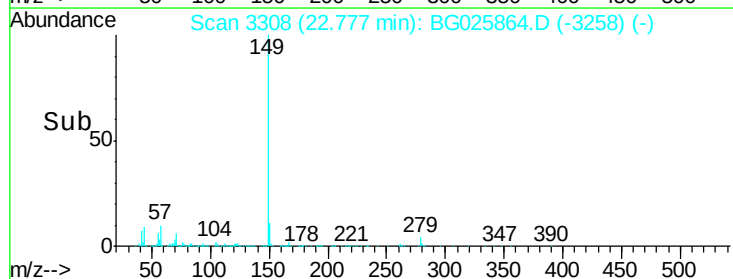
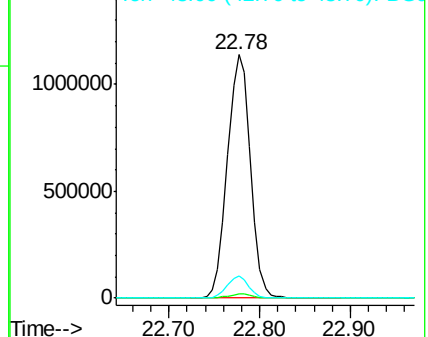
149 100

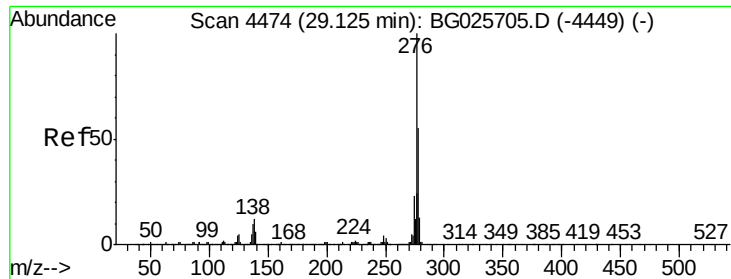
167 1.7 1.4 2.2

43 8.6 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: 42.36 ng

RT: 28.55 min Scan# 4290

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

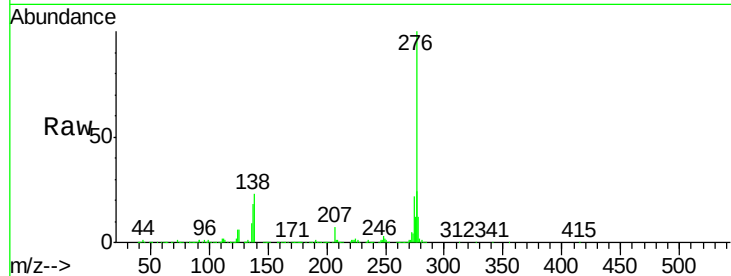
Tgt Ion:276 Resp: 2087725

Ion Ratio Lower Upper

276 100

138 28.8 4.7 7.1#

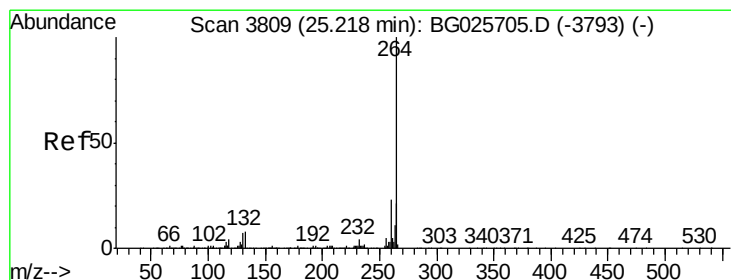
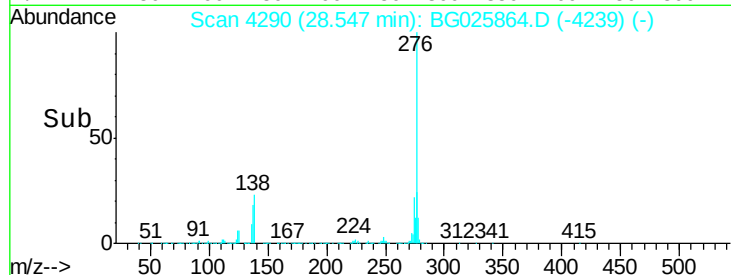
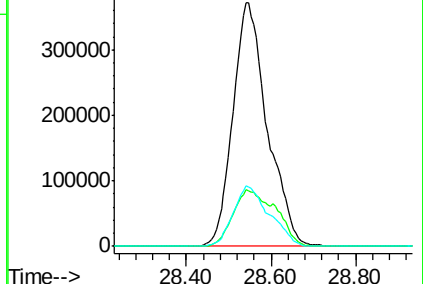
277 26.1 20.6 31.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

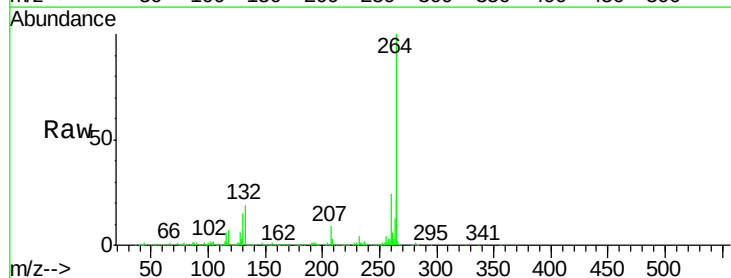
Tgt Ion:264 Resp: 735269

Ion Ratio Lower Upper

264 100

260 23.9 21.8 32.8

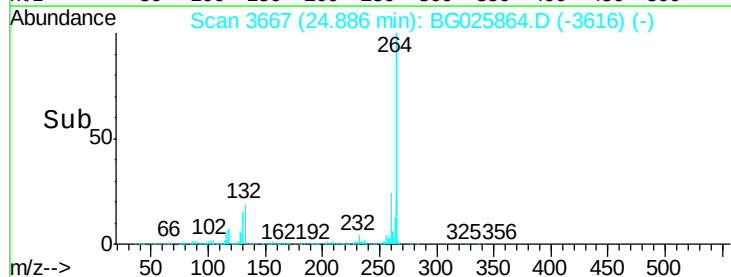
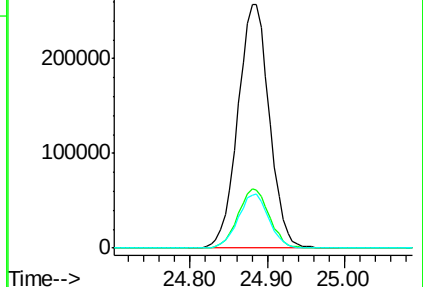
265 22.0 18.2 27.4

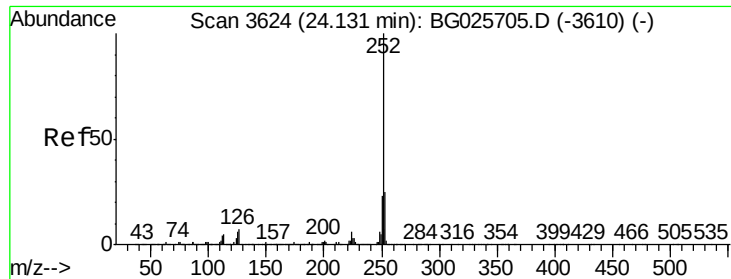


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 40.88 ng

RT: 23.86 min Scan# 3493

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

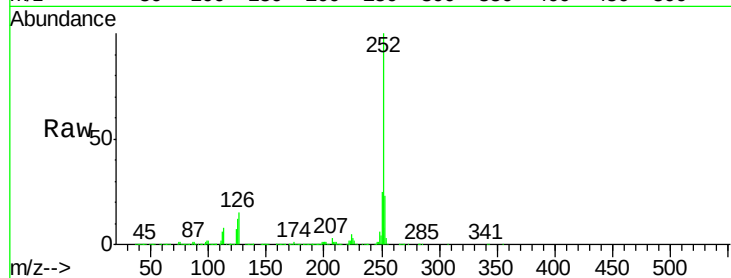
Tgt Ion:252 Resp: 1800382

Ion Ratio Lower Upper

252 100

253 23.1 18.7 28.1

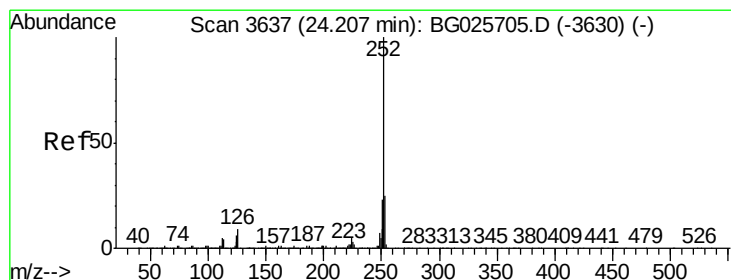
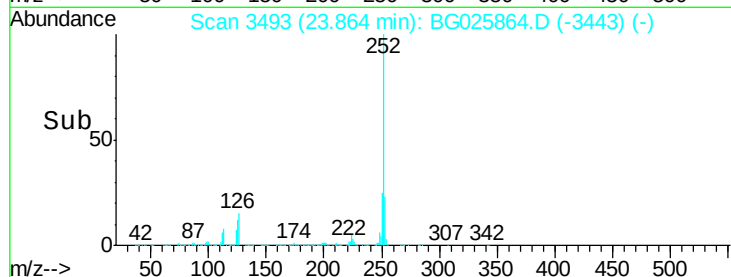
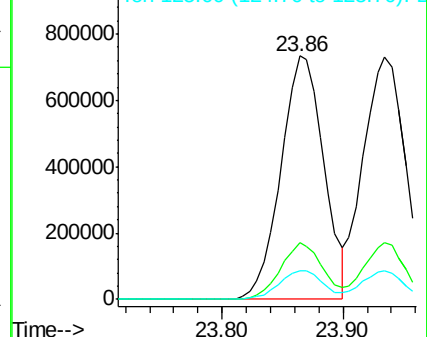
125 12.0 5.3 7.9#



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: 41.36 ng

RT: 23.93 min Scan# 3505

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

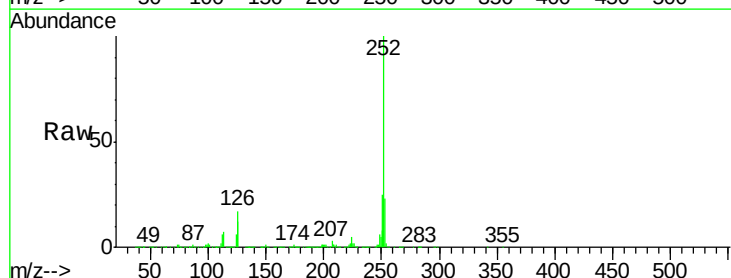
Tgt Ion:252 Resp: 1777229

Ion Ratio Lower Upper

252 100

253 23.3 20.2 30.2

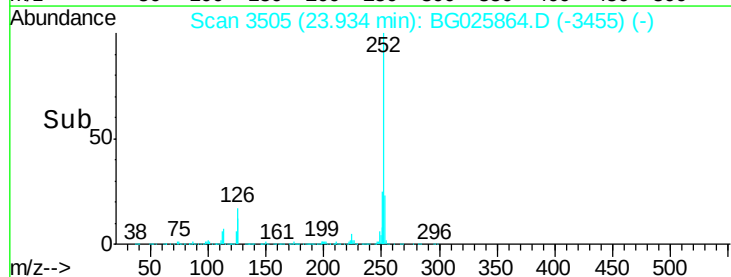
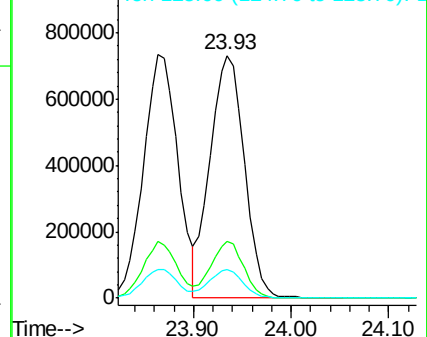
125 11.8 5.1 7.7#

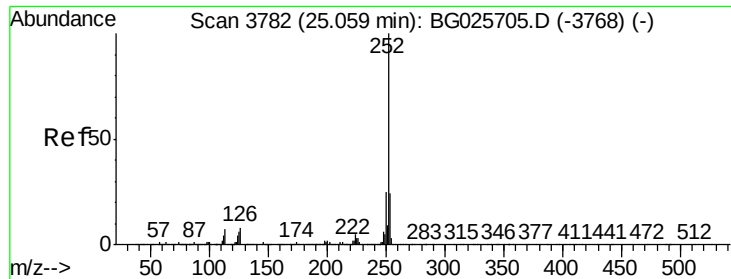


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 42.13 ng

RT: 24.73 min Scan# 3641

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

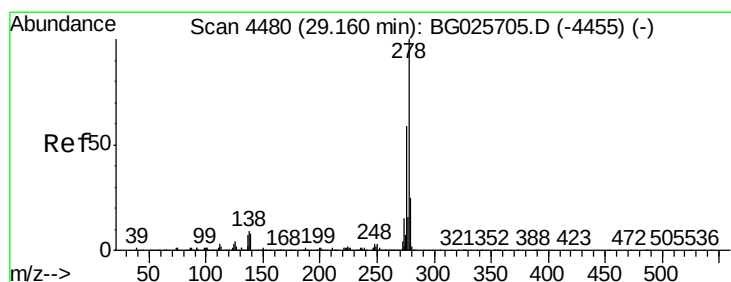
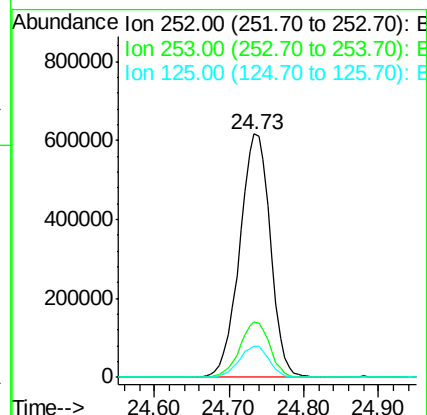
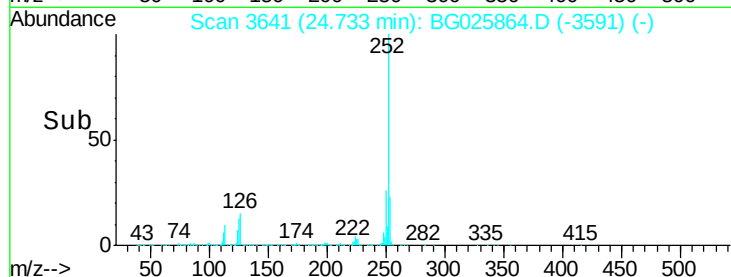
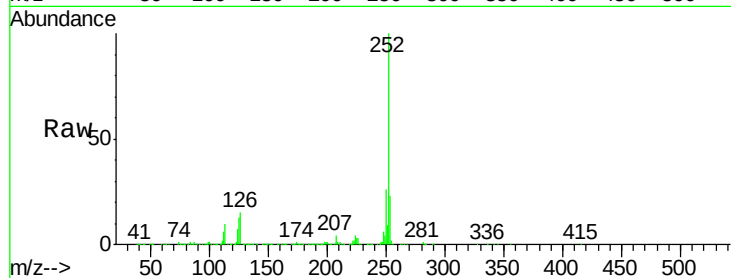
Tgt Ion:252 Resp: 1756734

Ion Ratio Lower Upper

252 100

253 22.8 19.2 28.8

125 12.9 5.4 8.0#



#90

Dibenzo(a,h)anthracene

Concen: 41.36 ng

RT: 28.61 min Scan# 4301

Delta R.T. -0.01 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

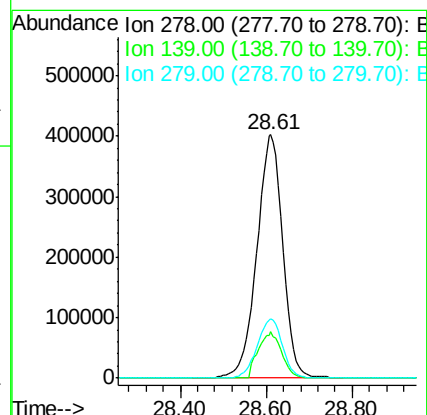
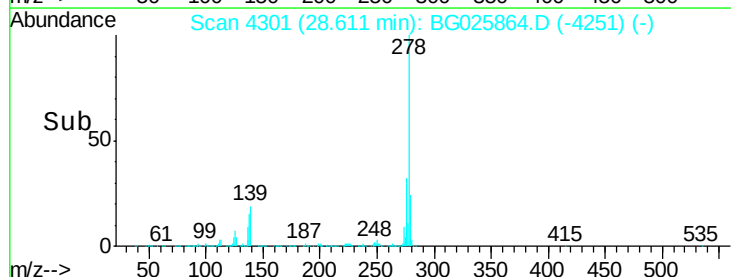
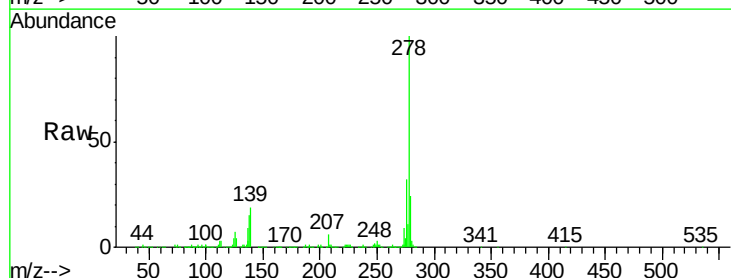
Tgt Ion:278 Resp: 1732421

Ion Ratio Lower Upper

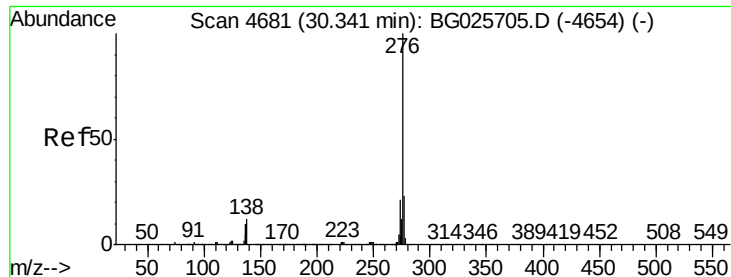
278 100

139 18.9 7.7 11.5#

279 24.3 19.1 28.7







#91

Benzo(g,h,i)perylene

Concen: 41.30 ng

RT: 29.69 min Scan# 4485

Delta R.T. 0.00 min

Lab File: BG025864.D

Acq: 17 Feb 2017 18:19

Instrument :

BNA\_G

ClientSampleId :

PB97017BS

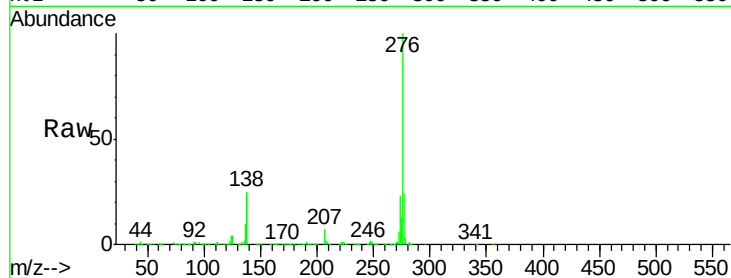
Tgt Ion: 276 Resp: 1734827

Ion Ratio Lower Upper

276 100

277 24.2 18.6 27.8

138 25.5 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

