

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011017\  
 Data File : BG025458.D  
 Acq On : 10 Jan 2017 19:03  
 Operator : UM/SJ  
 Sample : PB95862BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

Quant Time: Jan 10 23:04:20 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 49426    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.03 | 136  | 211647   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.82 | 164  | 170197   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.57 | 188  | 400612   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 594878   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.26 | 264  | 642798   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.74  | 112 | 430781  | 158.42 | ng | 0.00 |
| 7) Phenol-d6             | 7.36  | 99  | 608070  | 158.78 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.38  | 82  | 440403  | 91.92  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.32 | 330 | 385477  | 140.68 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.45 | 172 | 986168  | 93.81  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.15 | 244 | 1987788 | 88.60  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.57  | 88  | 47233  | 40.71  | ng | 94     |
| 3) Pyridine                    | 3.99  | 79  | 140557 | 41.79  | ng | 97     |
| 4) n-Nitrosodimethylamine      | 3.91  | 42  | 85664  | 42.91  | ng | # 96   |
| 6) Aniline                     | 7.53  | 93  | 70385  | 13.56  | ng | 98     |
| 8) 2-Chlorophenol              | 7.77  | 128 | 146620 | 47.80  | ng | 96     |
| 9) Benzaldehyde                | 7.34  | 77  | 14848  | 5.30   | ng | # 79   |
| 10) Phenol                     | 7.38  | 94  | 213355 | 50.26  | ng | 92     |
| 11) bis(2-Chloroethyl)ether    | 7.61  | 93  | 140830 | 43.05  | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 8.08  | 146 | 167317 | 45.07  | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 8.24  | 146 | 164052 | 42.64  | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.56  | 146 | 160513 | 43.72  | ng | 95     |
| 15) Benzyl Alcohol             | 8.45  | 79  | 156185 | 42.72  | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 275916 | 45.55  | ng | 96     |
| 17) 2-Methylphenol             | 8.65  | 107 | 131284 | 47.09  | ng | 91     |
| 18) Hexachloroethane           | 9.28  | 117 | 65305  | 44.20  | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 9.01  | 70  | 143644 | 44.41  | ng | 97     |
| 20) 3+4-Methylphenols          | 8.98  | 107 | 189057 | 49.00  | ng | 93     |
| 22) Acetophenone               | 9.03  | 105 | 243414 | 41.39  | ng | # 93   |
| 24) Nitrobenzene               | 9.43  | 77  | 223533 | 42.54  | ng | 98     |
| 25) Isophorone                 | 9.94  | 82  | 391272 | 45.11  | ng | 98     |
| 26) 2-Nitrophenol              | 10.14 | 139 | 89002  | 44.29  | ng | 89     |
| 27) 2,4-Dimethylphenol         | 10.19 | 122 | 163127 | 49.37  | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.42 | 93  | 207460 | 46.05  | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.69 | 162 | 172814 | 48.87  | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.88 | 180 | 183379 | 42.93  | ng | 89     |
| 31) Naphthalene                | 11.08 | 128 | 450789 | 42.65  | ng | 96     |
| 32) Benzoic acid               | 10.33 | 122 | 97160  | 36.57  | ng | 99     |
| 33) 4-Chloroaniline            | 11.22 | 127 | 18035  | 4.06   | ng | 99     |
| 34) Hexachlorobutadiene        | 11.33 | 225 | 146017 | 41.88  | ng | 95     |
| 35) Caprolactam                | 11.97 | 113 | 34173  | 25.72  | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.31 | 107 | 205027 | 46.98  | ng | 92     |
| 37) 2-Methylnaphthalene        | 12.67 | 142 | 351347 | 44.86  | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 248621 | 44.25  | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 12.99 | 237 | 229606 | 108.48 | ng | 96     |

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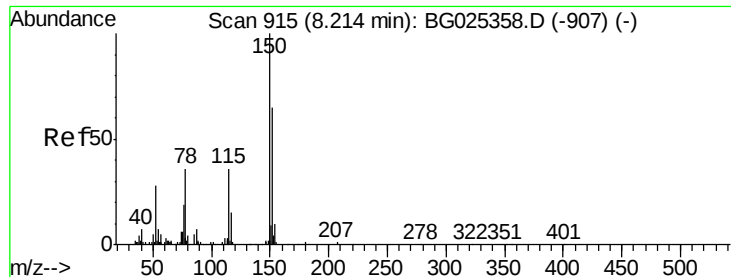
Instrument :  
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 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.27 | 196  | 161067   | 45.52 | ng    | 95       |
| 43) 2,4,5-Trichlorophenol      | 13.36 | 196  | 165913   | 44.80 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.66 | 154  | 515388   | 45.02 | ng    | 93       |
| 46) 2-Chloronaphthalene        | 13.71 | 162  | 398479   | 44.55 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.93 | 65   | 165827   | 43.93 | ng    | 96       |
| 48) Acenaphthylene             | 14.55 | 152  | 615539   | 44.41 | ng    | 95       |
| 49) Dimethylphthalate          | 14.27 | 163  | 572074   | 46.11 | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.41 | 165  | 123096   | 45.41 | ng    | 97       |
| 51) Acenaphthene               | 14.89 | 154  | 387551   | 42.75 | ng    | 97       |
| 52) 3-Nitroaniline             | 14.76 | 138  | 24525    | 9.41  | ng    | # 97     |
| 53) 2,4-Dinitrophenol          | 14.97 | 184  | 161359   | 90.10 | ng    | # 88     |
| 54) Dibenzofuran               | 15.22 | 168  | 662757   | 46.24 | ng    | 96       |
| 55) 4-Nitrophenol              | 15.07 | 139  | 180906   | 92.95 | ng    | 90       |
| 56) 2,4-Dinitrotoluene         | 15.21 | 165  | 189158   | 47.93 | ng    | # 95     |
| 57) Fluorene                   | 15.87 | 166  | 542861   | 45.24 | ng    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.45 | 232  | 184767   | 46.57 | ng    | 94       |
| 59) Diethylphthalate           | 15.62 | 149  | 598485   | 46.00 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204  | 307111   | 45.16 | ng    | 96       |
| 61) 4-Nitroaniline             | 15.92 | 138  | 105839   | 40.36 | ng    | # 83     |
| 62) Azobenzene                 | 16.15 | 77   | 621744   | 49.55 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.97 | 198  | 124979   | 45.05 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.07 | 169  | 506805   | 46.80 | ng    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.74 | 248  | 229300   | 46.39 | ng    | 99       |
| 67) Hexachlorobenzene          | 16.87 | 284  | 255701   | 45.09 | ng    | # 87     |
| 68) Atrazine                   | 17.01 | 200  | 226681   | 47.78 | ng    | 96       |
| 69) Pentachlorophenol          | 17.23 | 266  | 249380   | 84.82 | ng    | 92       |
| 70) Phenanthrene               | 17.61 | 178  | 963503   | 46.67 | ng    | 98       |
| 71) Anthracene                 | 17.71 | 178  | 984114   | 46.92 | ng    | 98       |
| 72) Carbazole                  | 17.98 | 167  | 861430   | 45.91 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.50 | 149  | 1064440  | 46.11 | ng    | # 95     |
| 74) Fluoranthene               | 19.61 | 202  | 1290004  | 47.31 | ng    | 97       |
| 76) Benzidine                  | 19.79 | 184  | 432759   | 29.16 | ng    | 98       |
| 77) Pyrene                     | 19.98 | 202  | 1319978  | 42.46 | ng    | 98       |
| 79) Butylbenzylphthalate       | 20.82 | 149  | 558302   | 44.72 | ng    | 93       |
| 80) Benzo(a)anthracene         | 21.84 | 228  | 1503359  | 45.31 | ng    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 21.75 | 252  | 303199   | 23.53 | ng    | 95       |
| 82) Chrysene                   | 21.91 | 228  | 1399803  | 43.99 | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 802519   | 46.19 | ng    | 97       |
| 84) Di-n-octyl phthalate       | 22.94 | 149  | 1389706  | 48.18 | ng    | 95       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.19 | 276  | 1927436  | 47.65 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 24.17 | 252  | 1585444  | 45.21 | ng    | # 98     |
| 88) Benzo(k)fluoranthene       | 24.25 | 252  | 1554432  | 45.89 | ng    | # 96     |
| 89) Benzo(a)pyrene             | 25.10 | 252  | 1547664  | 45.69 | ng    | 96       |
| 90) Dibenzo(a,h)anthracene     | 29.23 | 278  | 1638068  | 45.63 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 30.41 | 276  | 1613005  | 45.21 | ng    | 96       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.20 min Scan# 913

Delta R.T. 0.00 min

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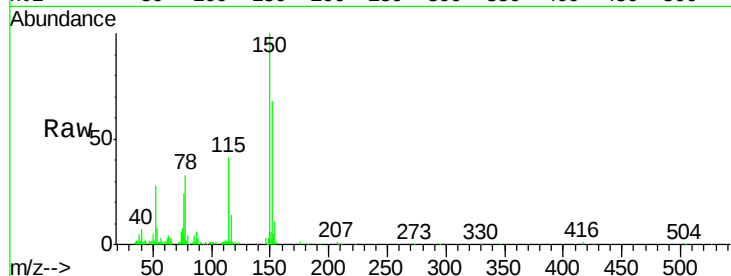
Tgt Ion:152 Resp: 49426

Ion Ratio Lower Upper

152 100

150 146.4 114.0 171.0

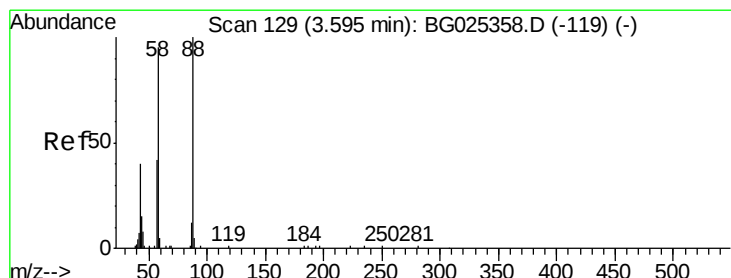
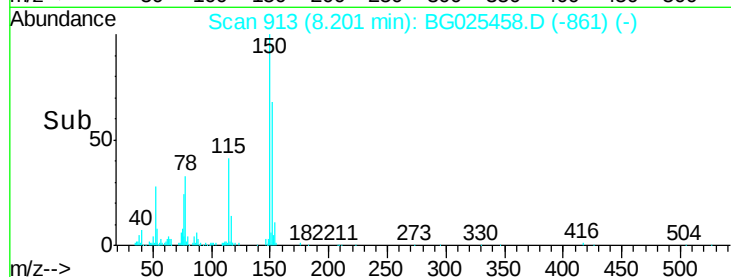
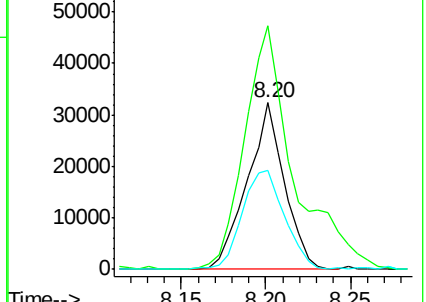
115 59.4 48.1 72.1



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: 40.71 ng

RT: 3.57 min Scan# 125

Delta R.T. -0.01 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

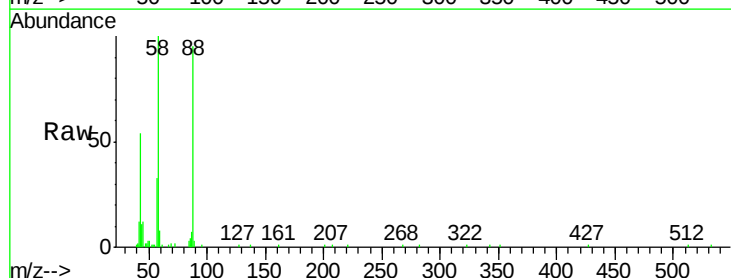
Tgt Ion: 88 Resp: 47233

Ion Ratio Lower Upper

88 100

58 95.6 79.4 119.2

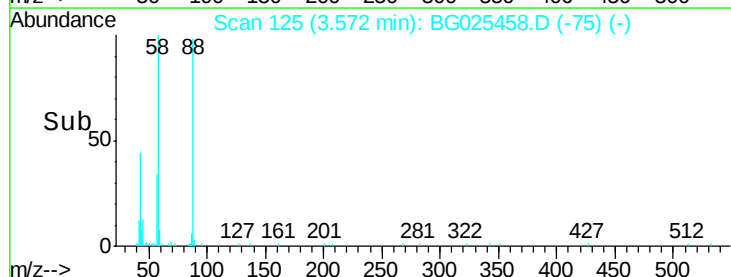
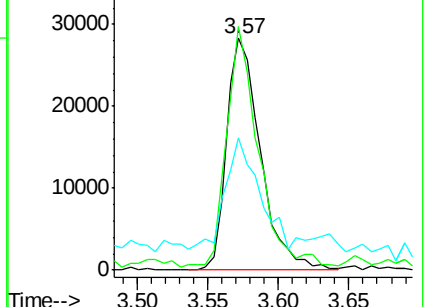
43 49.7 33.8 50.6

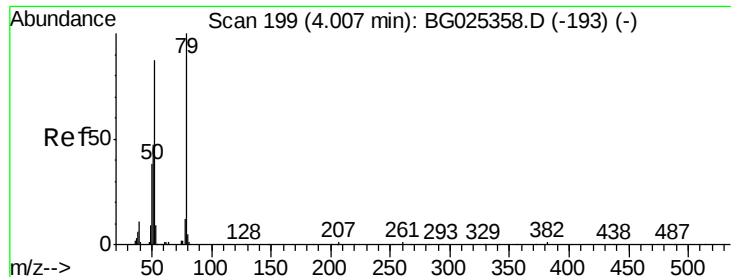


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 41.79 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG025458.D

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ClientSampleId :

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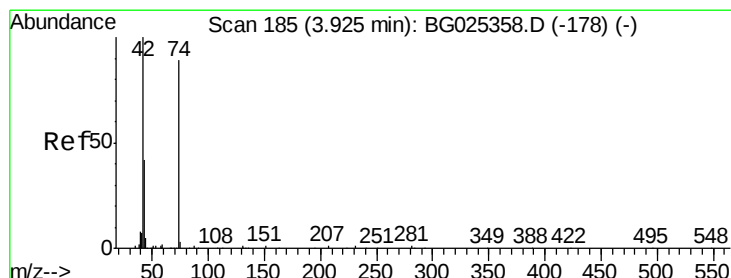
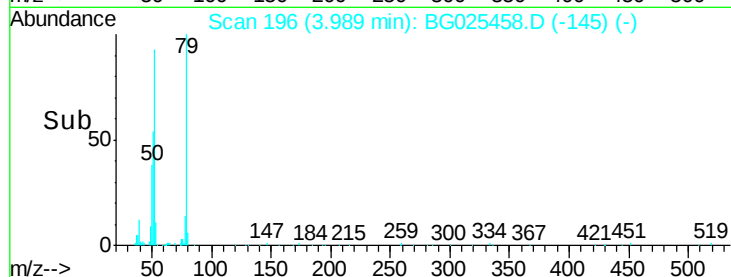
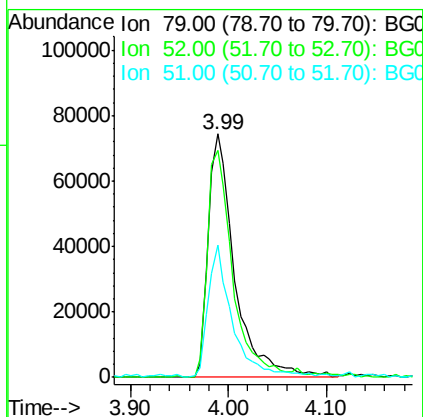
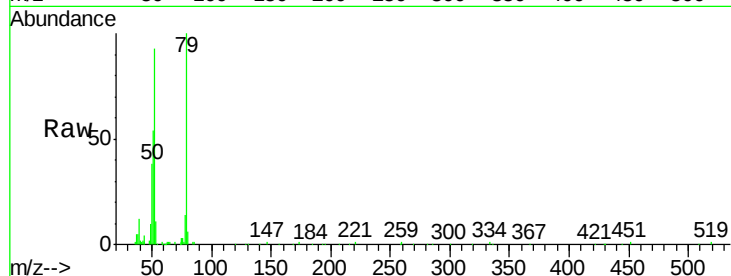
Tgt Ion: 79 Resp: 140557

Ion Ratio Lower Upper

79 100

52 93.0 77.8 116.6

51 54.3 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 42.91 ng

RT: 3.91 min Scan# 182

Delta R.T. -0.01 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

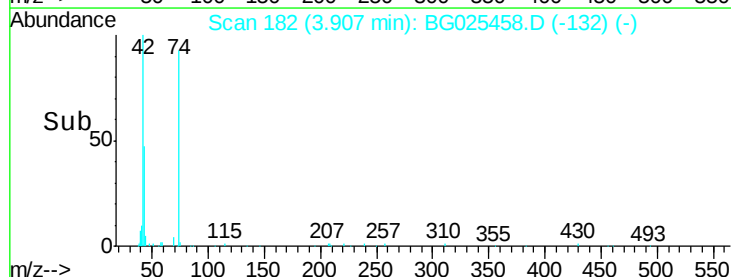
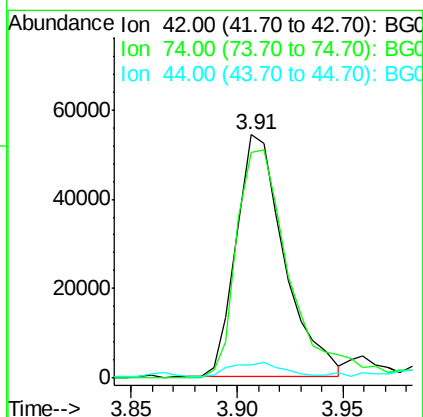
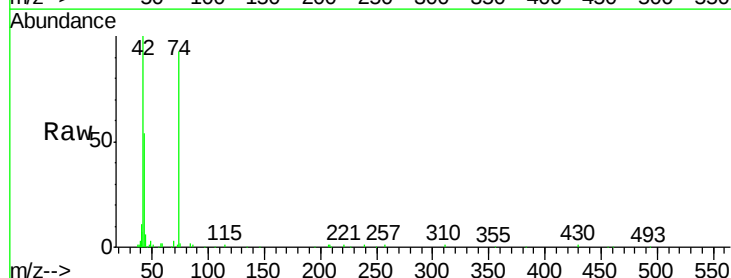
Tgt Ion: 42 Resp: 85664

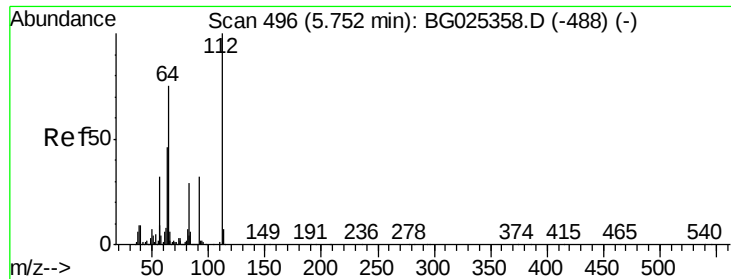
Ion Ratio Lower Upper

42 100

74 92.6 76.7 115.1

44 5.6 6.1 9.1#





#5

2-Fluorophenol

Concen: 158.42 ng

RT: 5.74 min Scan# 494

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

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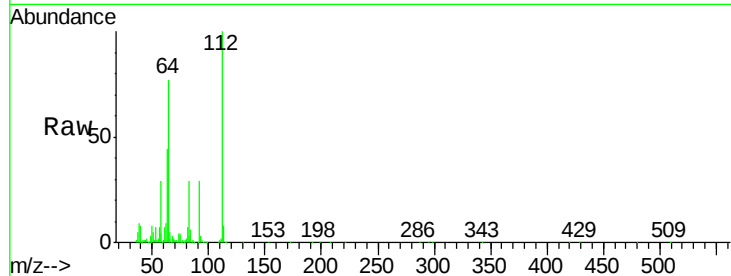
Tgt Ion: 112 Resp: 430781

Ion Ratio Lower Upper

112 100

64 77.4 61.8 92.6

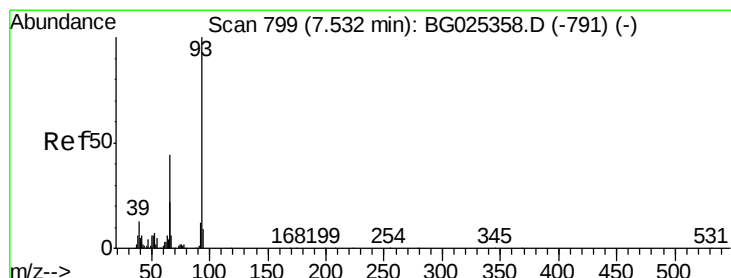
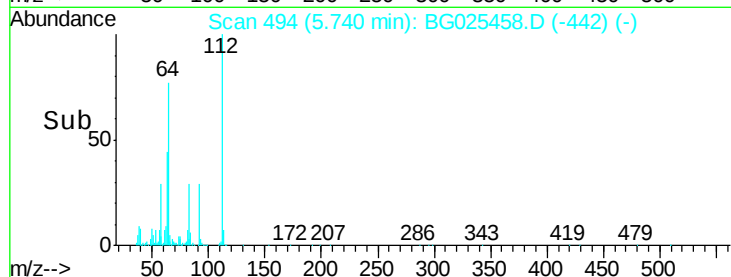
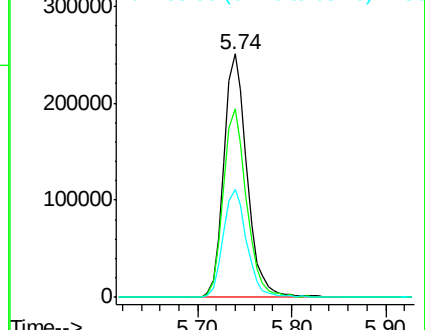
63 44.3 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 13.56 ng

RT: 7.53 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

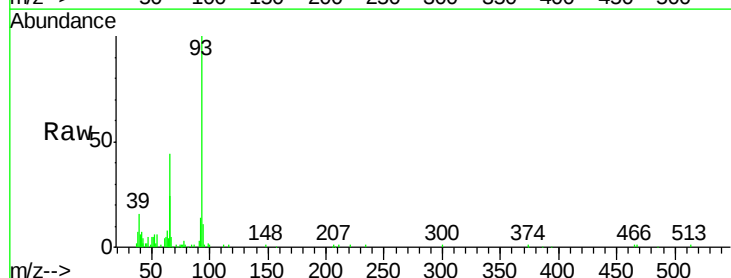
Tgt Ion: 93 Resp: 70385

Ion Ratio Lower Upper

93 100

66 44.0 35.4 53.2

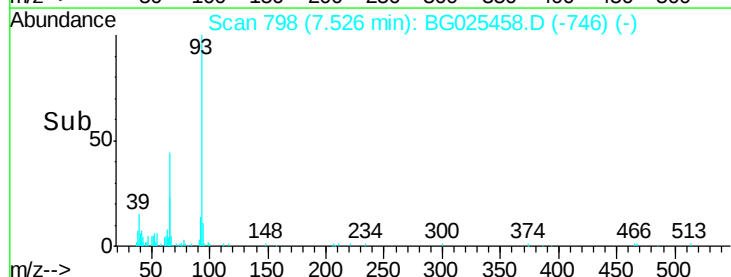
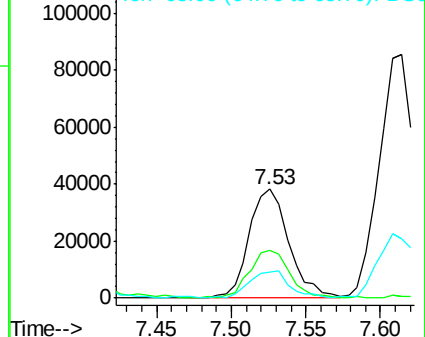
65 23.5 21.2 31.8

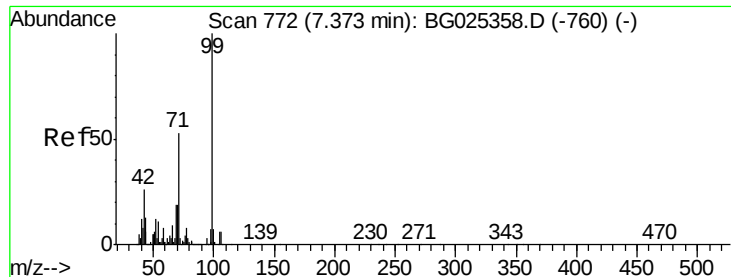


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 158.78 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

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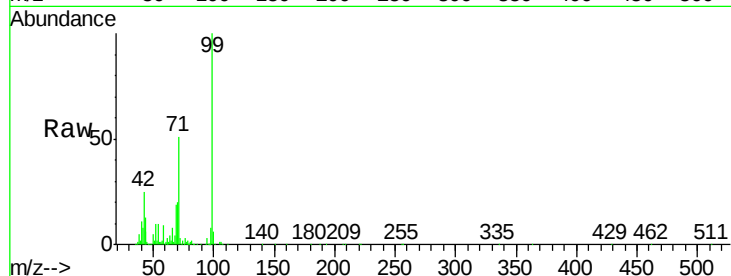
Tgt Ion: 99 Resp: 608070

Ion Ratio Lower Upper

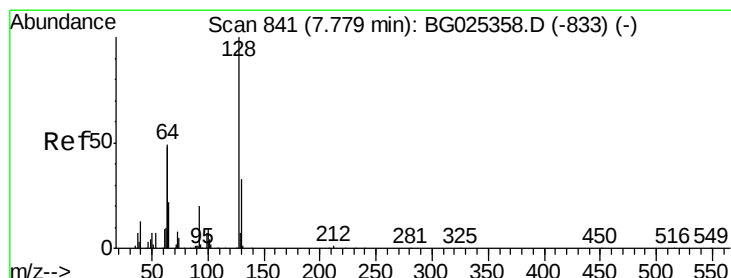
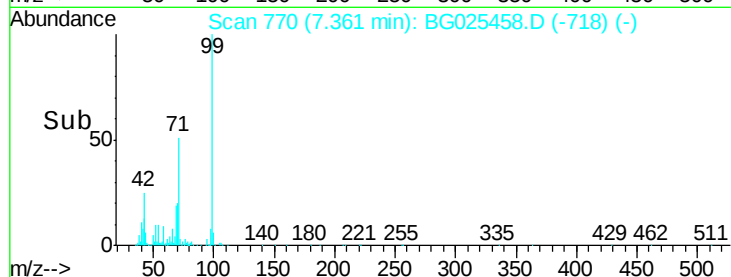
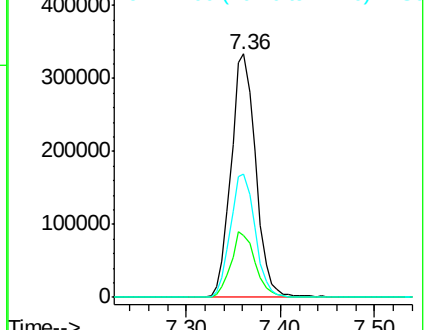
99 100

42 25.5 20.5 30.7

71 50.6 37.6 56.4



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



#8

2-Chlorophenol

Concen: 47.80 ng

RT: 7.77 min Scan# 839

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

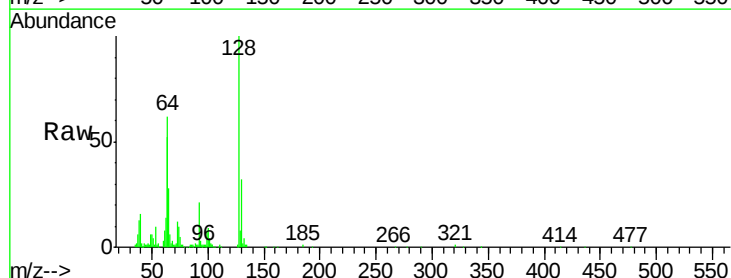
Tgt Ion: 128 Resp: 146620

Ion Ratio Lower Upper

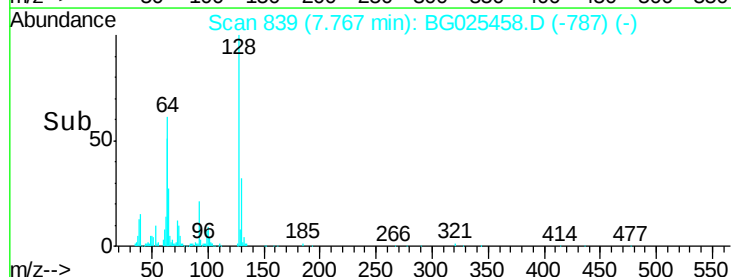
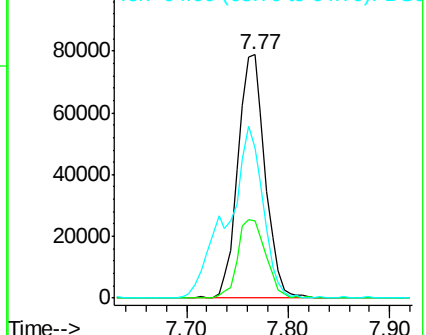
128 100

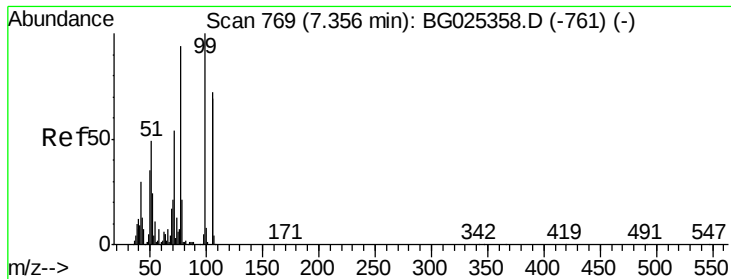
130 31.8 11.4 51.4

64 61.9 46.6 86.6



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





#9

Benzaldehyde

Concen: 5.30 ng

RT: 7.34 min Scan# 767

Delta R.T. 0.00 min

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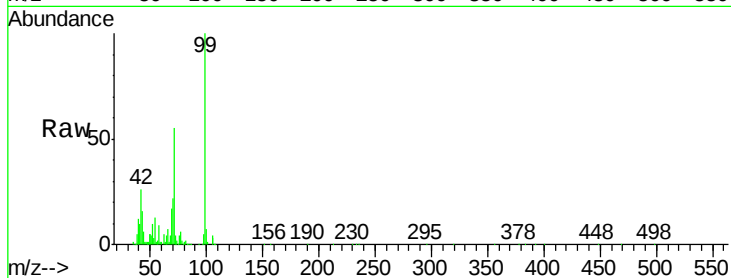
Tgt Ion: 77 Resp: 14848

Ion Ratio Lower Upper

77 100

105 71.7 60.9 100.9

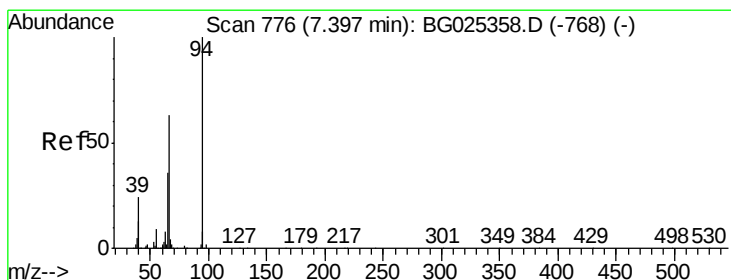
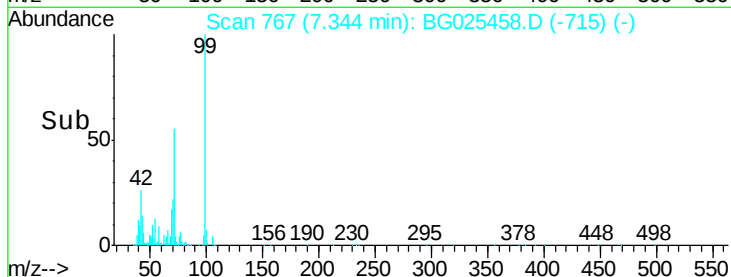
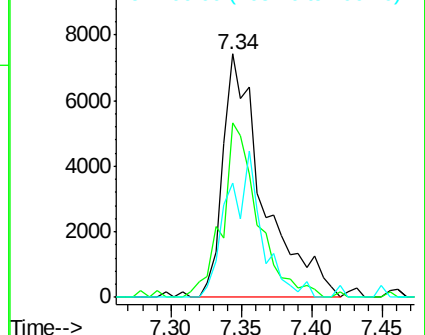
106 46.7 55.1 95.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 50.26 ng

RT: 7.38 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

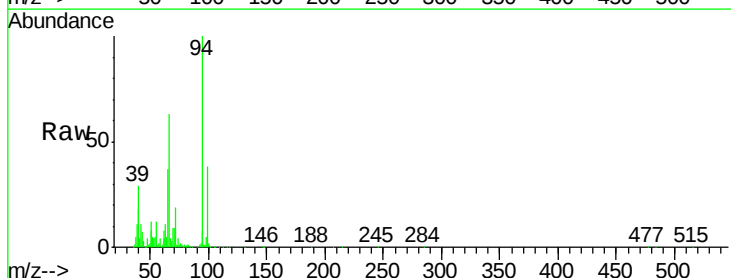
Tgt Ion: 94 Resp: 213355

Ion Ratio Lower Upper

94 100

65 36.9 20.6 60.6

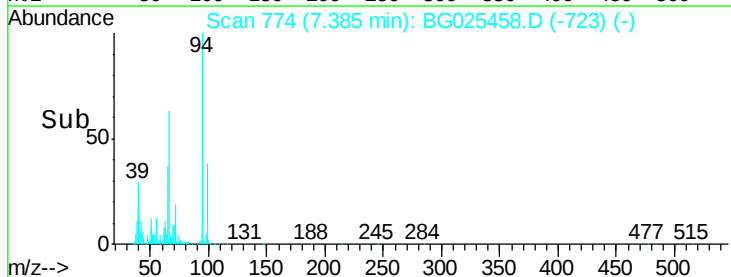
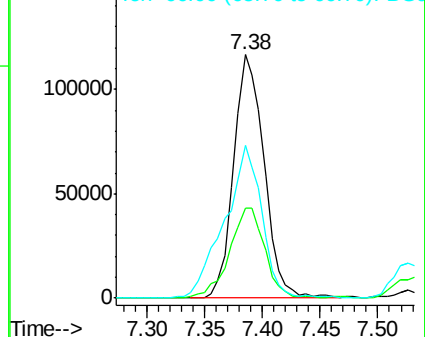
66 63.0 35.5 75.5

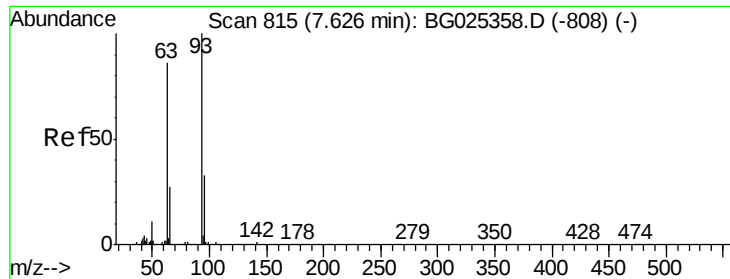


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

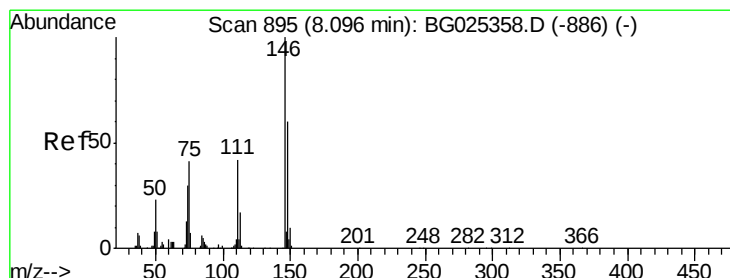
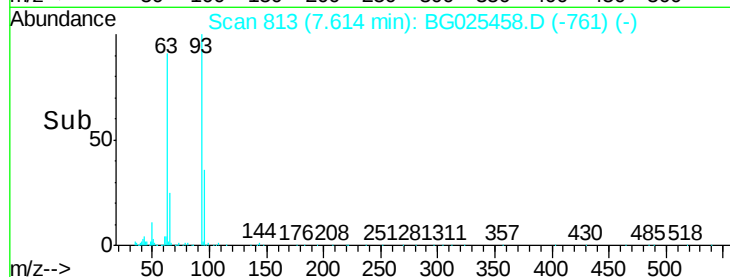
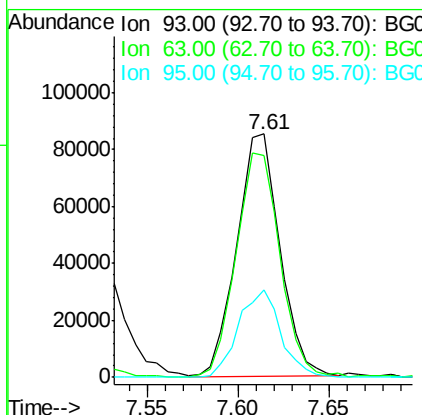
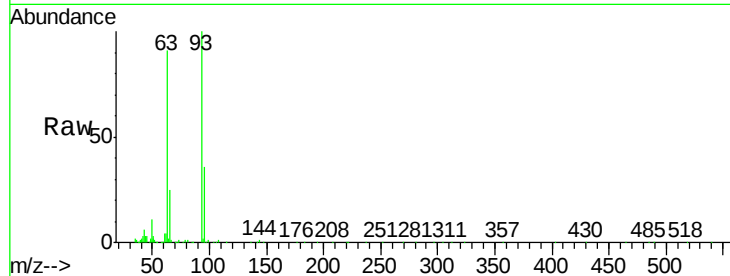




#11  
bis(2-Chloroethyl)ether  
Concen: 43.05 ng  
RT: 7.61 min Scan# 813  
Delta R.T. 0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

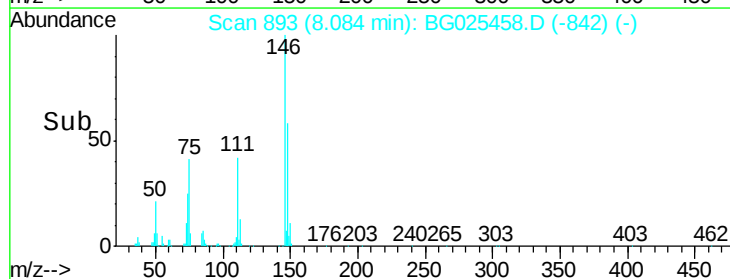
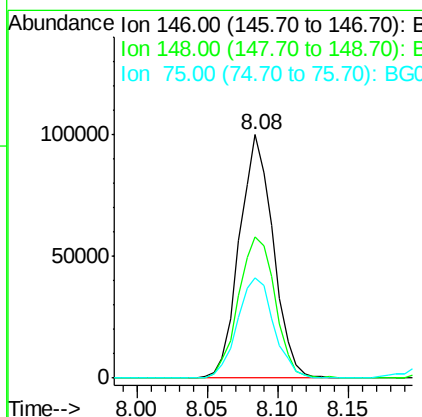
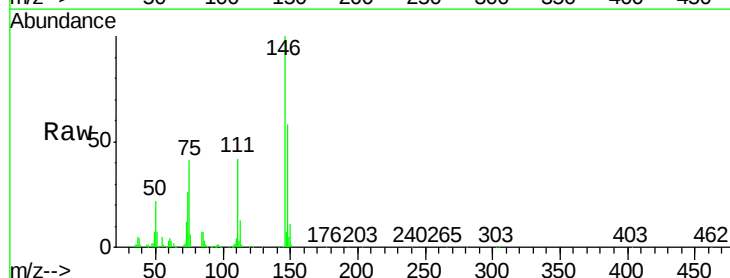
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

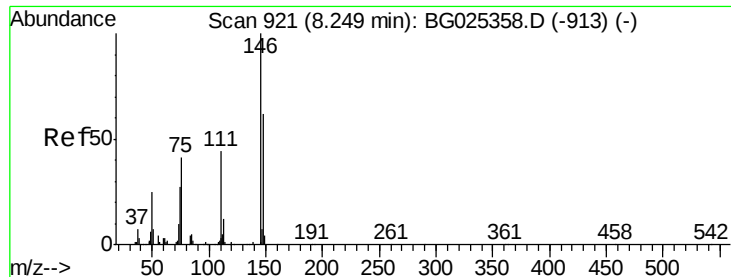
Tgt Ion: 93 Resp: 140830  
Ion Ratio Lower Upper  
93 100  
63 91.0 78.5 118.5  
95 35.7 9.8 49.8



#12  
1,3-Dichlorobenzene  
Concen: 45.07 ng  
RT: 8.08 min Scan# 893  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion: 146 Resp: 167317  
Ion Ratio Lower Upper  
146 100  
148 58.0 49.2 73.8  
75 41.4 33.4 50.2

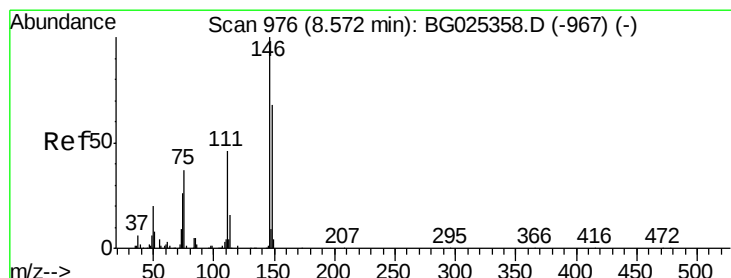
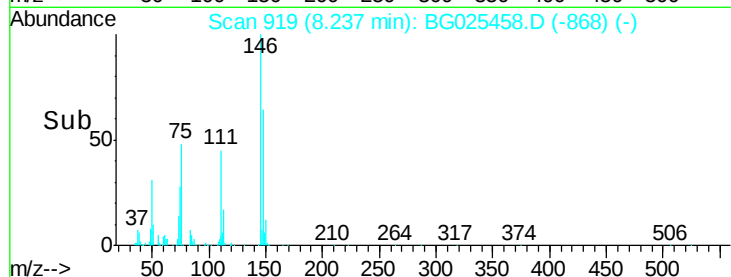
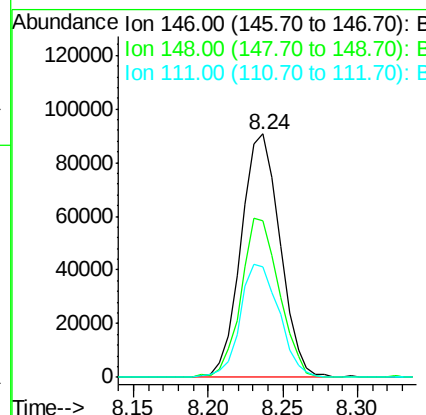
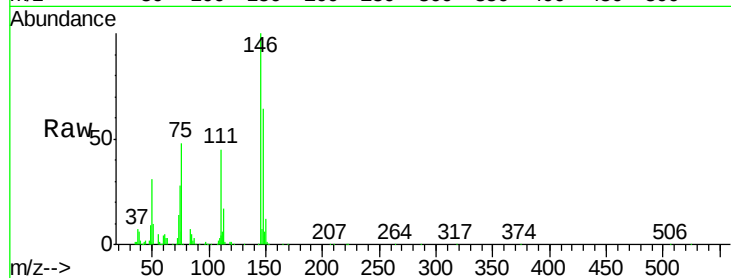




#13  
 1,4-Dichlorobenzene  
 Concen: 42.64 ng  
 RT: 8.24 min Scan# 919  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

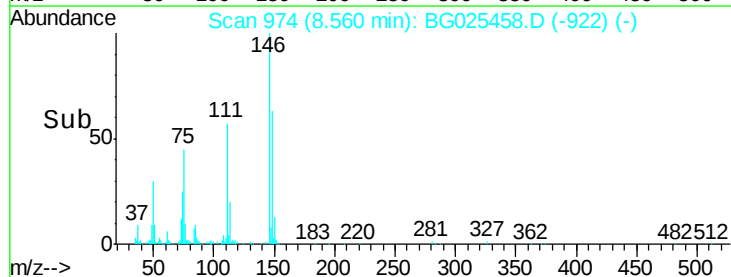
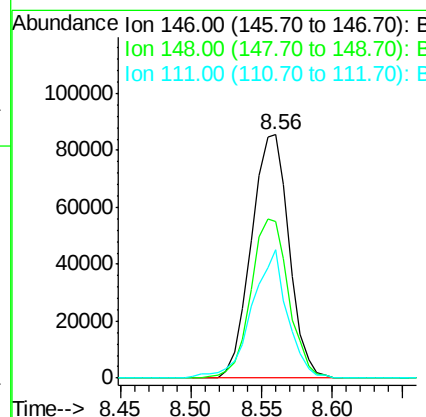
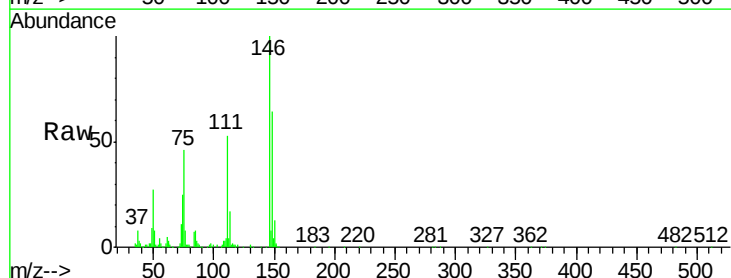
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

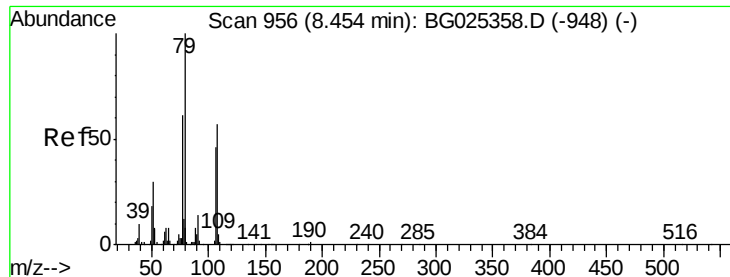
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.4  | 52.2  | 78.2  |
| 111     | 45.2  | 37.0  | 55.6  |



#14  
 1,2-Dichlorobenzene  
 Concen: 43.72 ng  
 RT: 8.56 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.2  | 54.6  | 81.8  |
| 111     | 52.9  | 39.7  | 59.5  |





#15

Benzyl Alcohol

Concen: 42.72 ng

RT: 8.45 min Scan# 955

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

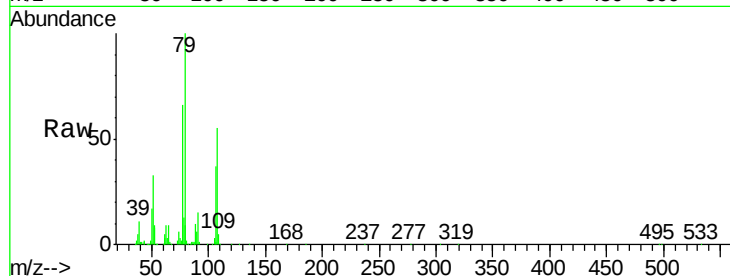
Tgt Ion: 79 Resp: 156185

Ion Ratio Lower Upper

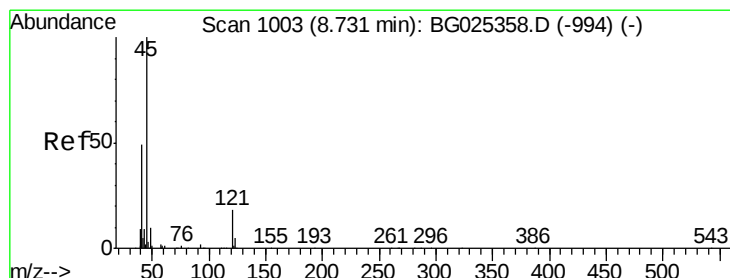
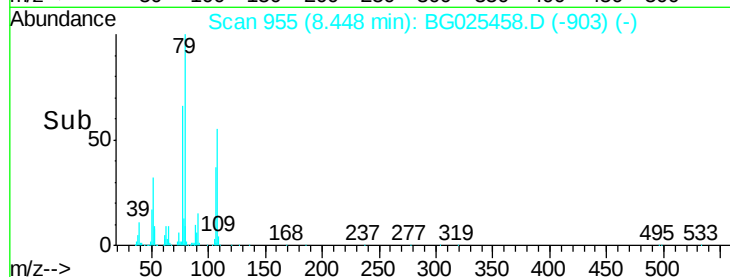
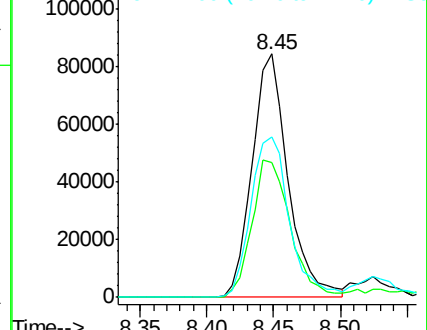
79 100

108 55.2 45.5 68.3

77 66.1 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: 45.55 ng

RT: 8.72 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

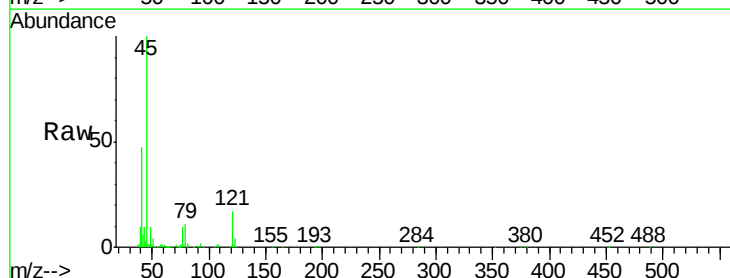
Tgt Ion: 45 Resp: 275916

Ion Ratio Lower Upper

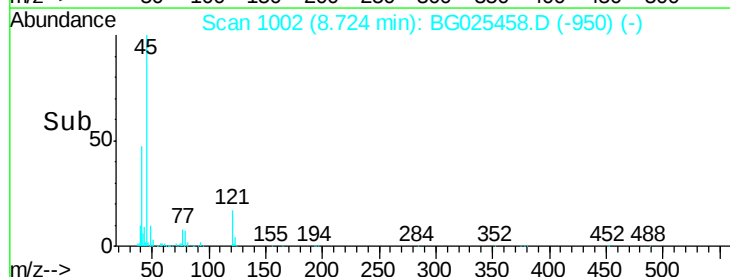
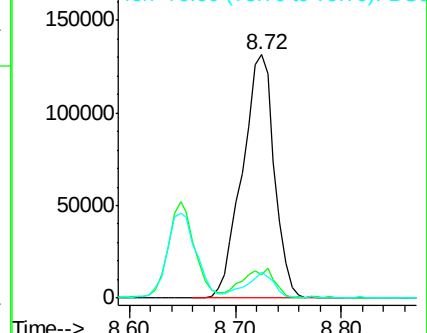
45 100

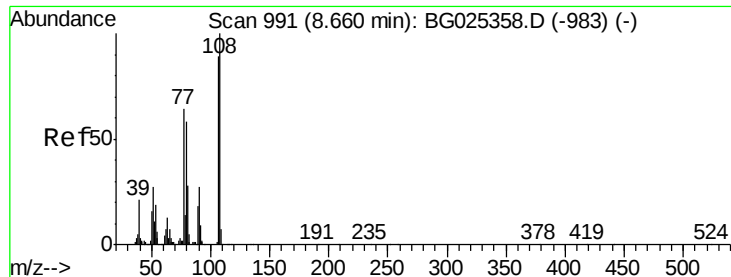
77 9.7 0.0 30.6

79 10.5 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: 47.09 ng

RT: 8.65 min Scan# 989

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

Tgt Ion:107 Resp: 131284

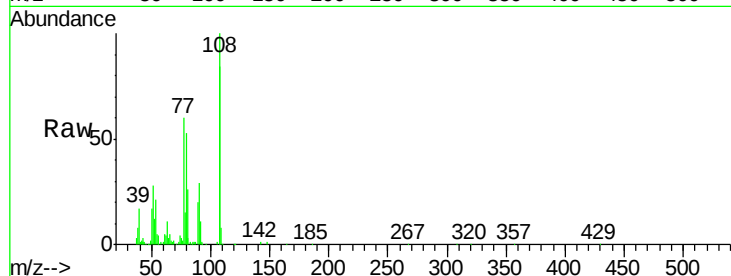
Ion Ratio Lower Upper

107 100

108 119.7 85.6 128.4

77 71.5 51.4 77.2

79 63.6 49.2 73.8

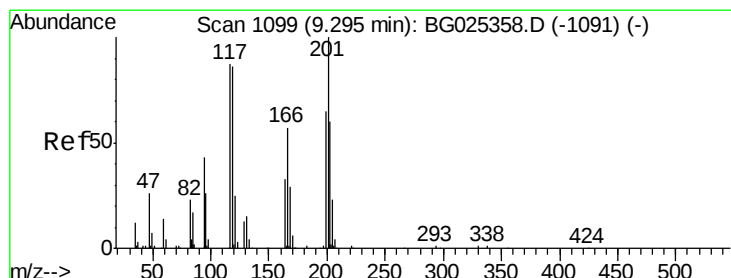
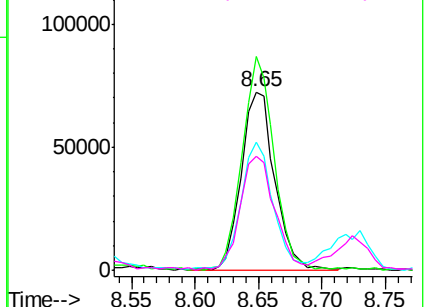
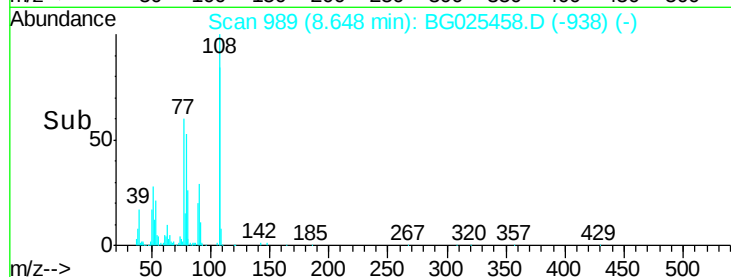


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 44.20 ng

RT: 9.28 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

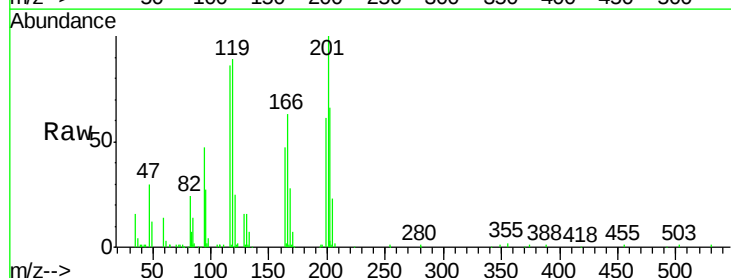
Tgt Ion:117 Resp: 65305

Ion Ratio Lower Upper

117 100

119 103.1 69.8 104.6

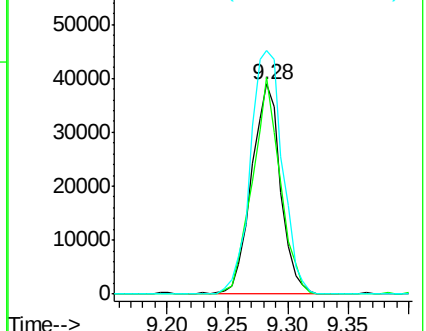
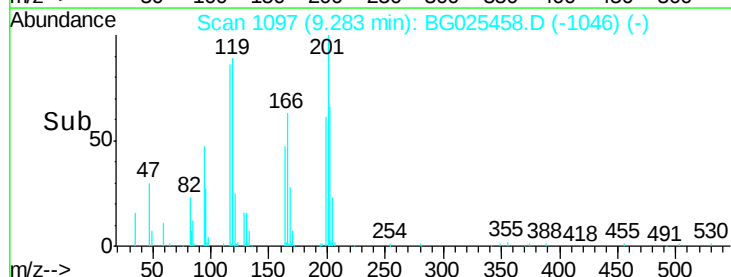
201 115.9 95.4 143.0

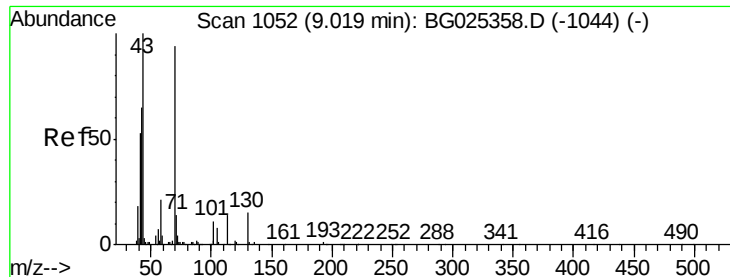


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

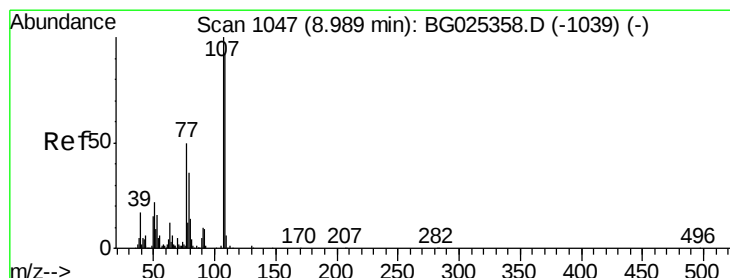
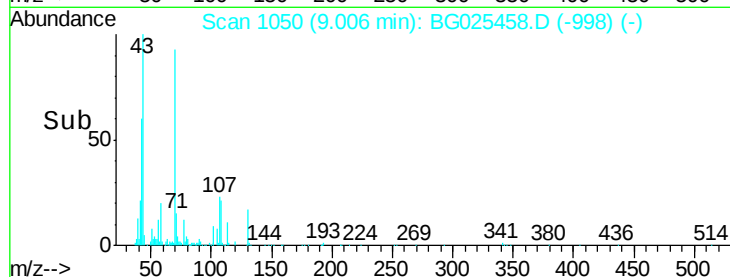
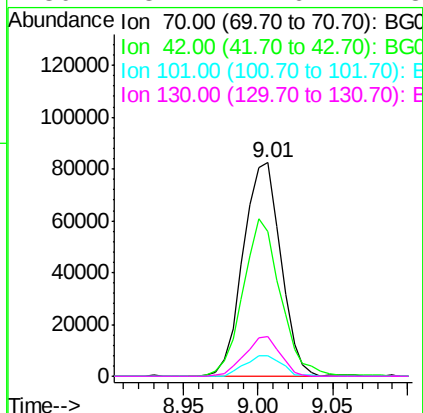
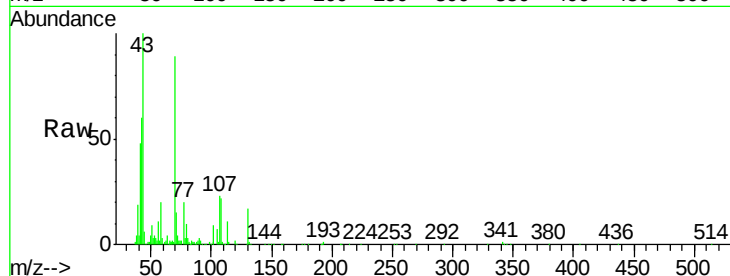




#19  
n-Nitroso-di-n-propylamine  
Concen: 44.41 ng  
RT: 9.01 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

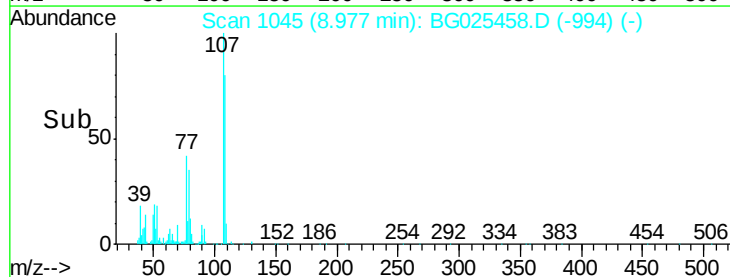
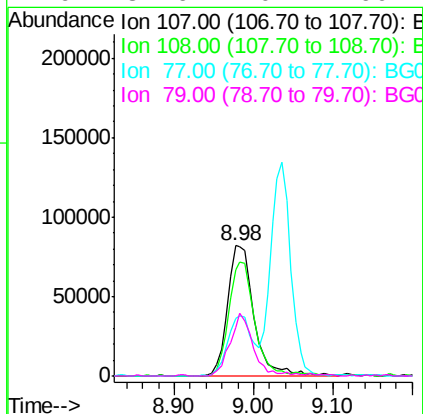
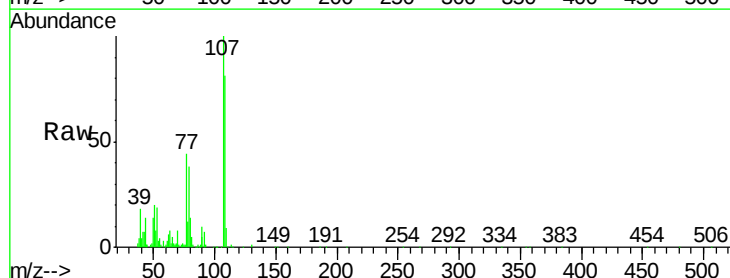
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

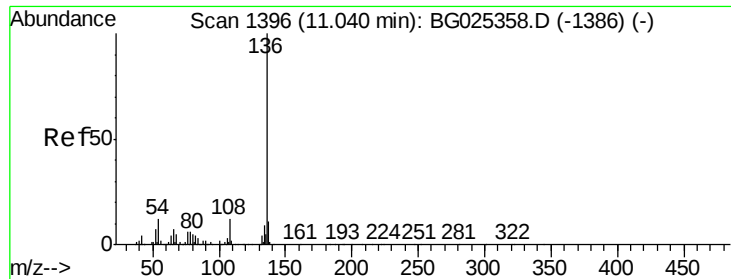
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 143644 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 67.6  | 56.1  | 84.1   |
| 101      | 9.7   | 7.5   | 11.3   |
| 130      | 18.7  | 14.6  | 21.8   |



#20  
3+4-Methylphenols  
Concen: 49.00 ng  
RT: 8.98 min Scan# 1045  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 189057 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 81.2  | 70.8  | 110.8  |
| 77       | 44.0  | 25.8  | 65.8   |
| 79       | 37.6  | 20.1  | 60.1   |

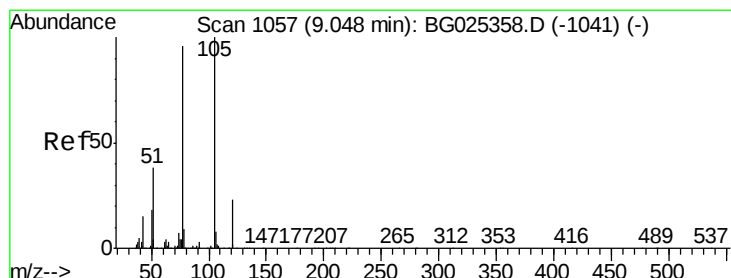
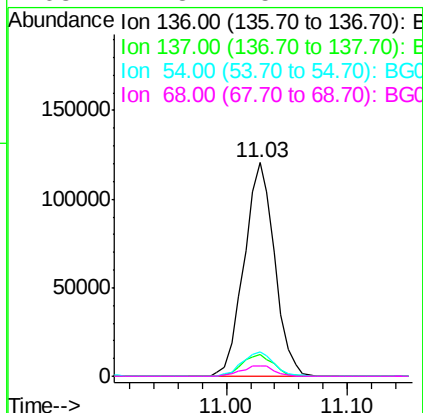
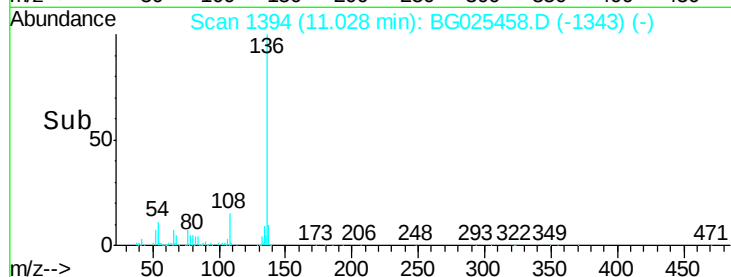
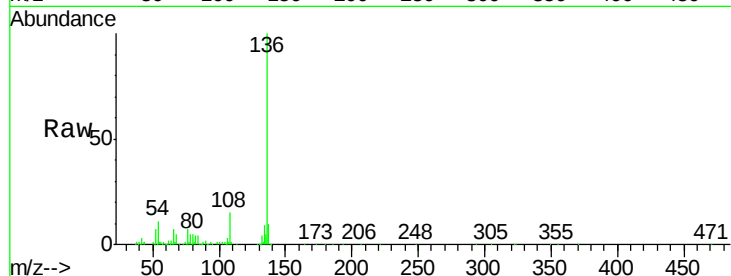




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

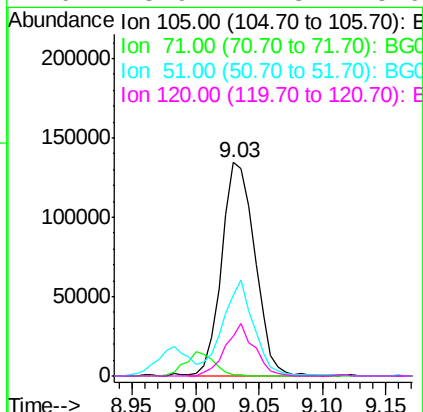
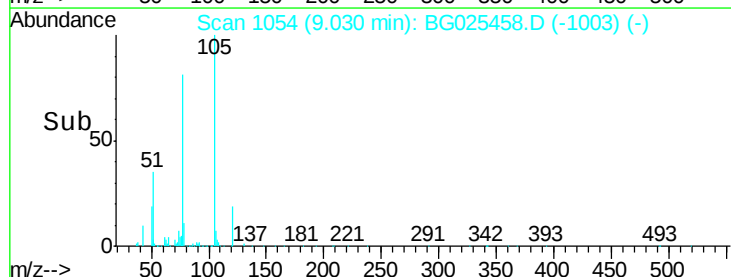
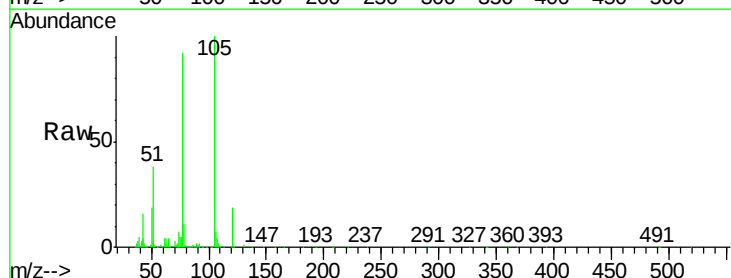
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

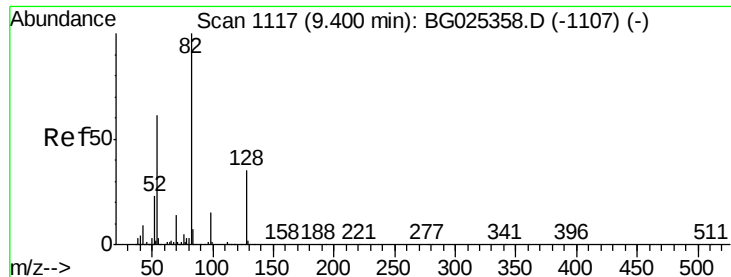
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 211647 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 11.1  | 9.3   | 13.9   |
| 68       | 4.8   | 5.1   | 7.7#   |



#22  
Acetophenone  
Concen: 41.39 ng  
RT: 9.03 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 243414 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.5   | 0.9   | 1.3#   |
| 51       | 37.8  | 34.0  | 51.0   |
| 120      | 18.9  | 17.3  | 25.9   |

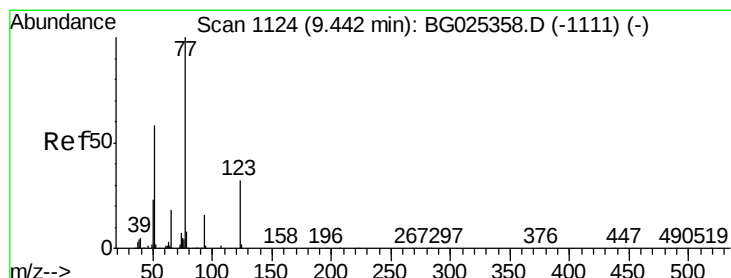
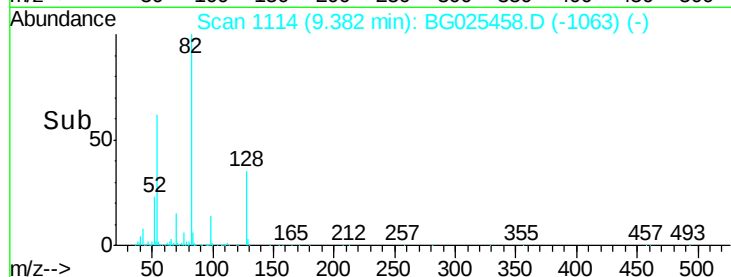
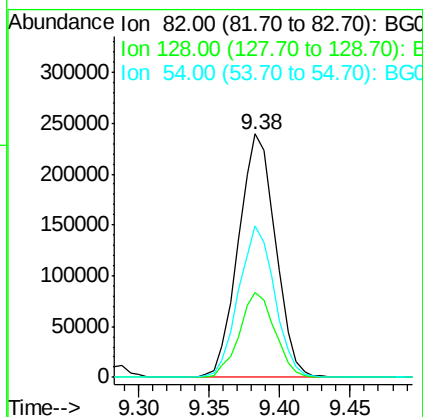
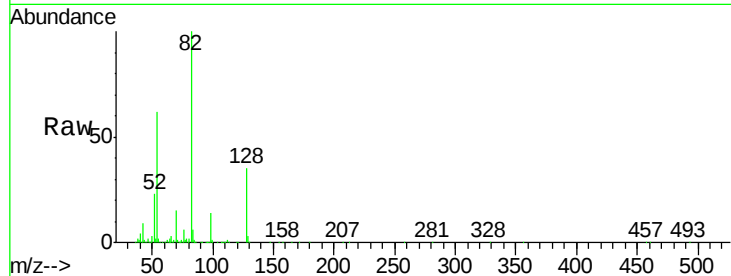




#23  
Nitrobenzene-d5  
Concen: 91.92 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

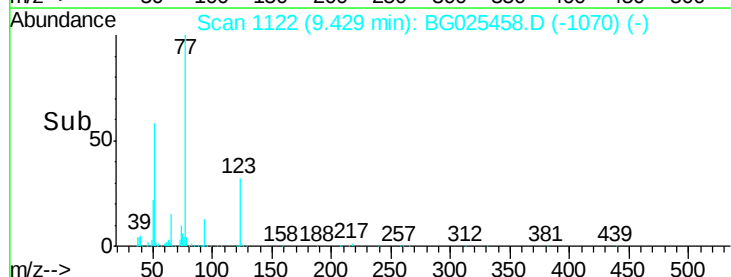
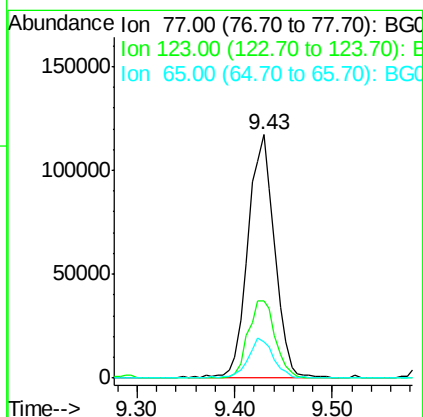
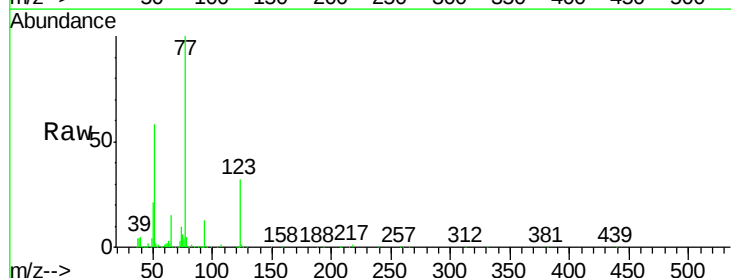
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

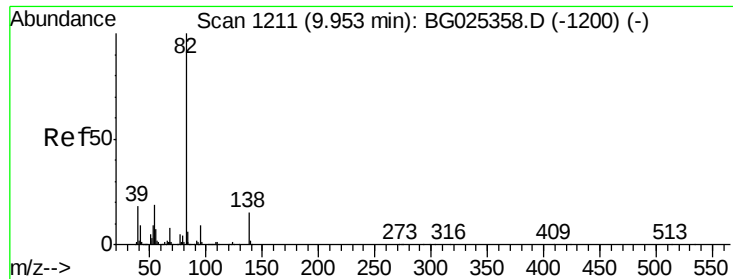
Tgt Ion: 82 Resp: 440403  
Ion Ratio Lower Upper  
82 100  
128 35.0 26.4 39.6  
54 62.4 49.4 74.2



#24  
Nitrobenzene  
Concen: 42.54 ng  
RT: 9.43 min Scan# 1122  
Delta R.T. 0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion: 77 Resp: 223533  
Ion Ratio Lower Upper  
77 100  
123 31.5 26.1 39.1  
65 15.1 12.4 18.6

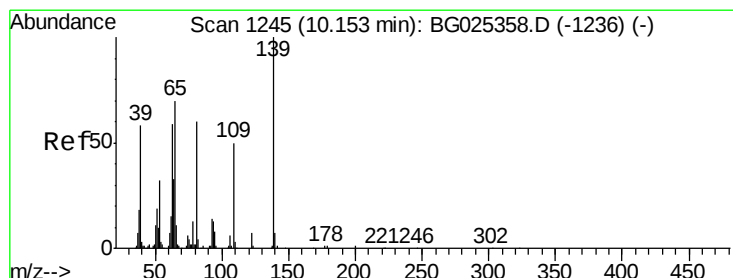
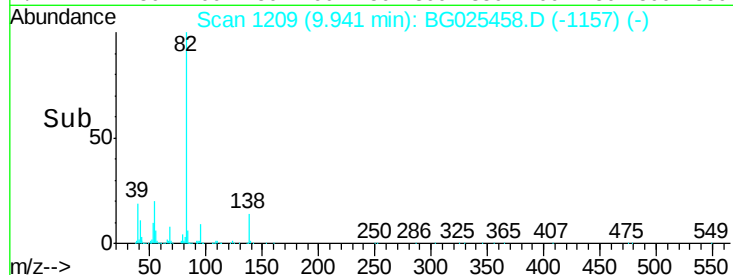
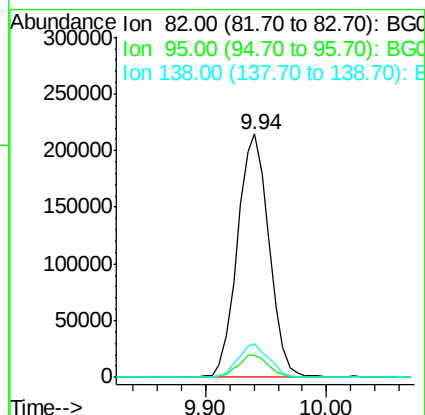
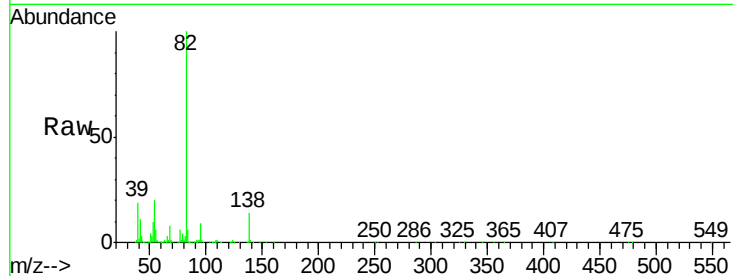




#25  
Isophorone  
Concen: 45.11 ng  
RT: 9.94 min Scan# 1209  
Delta R.T. 0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

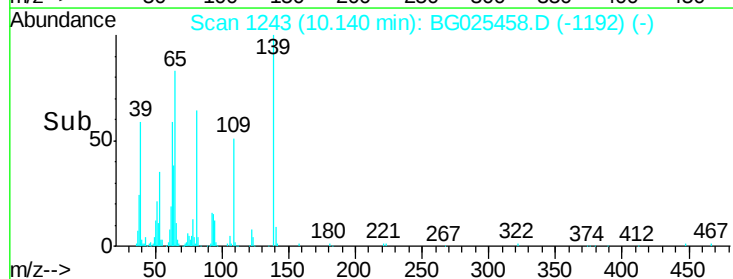
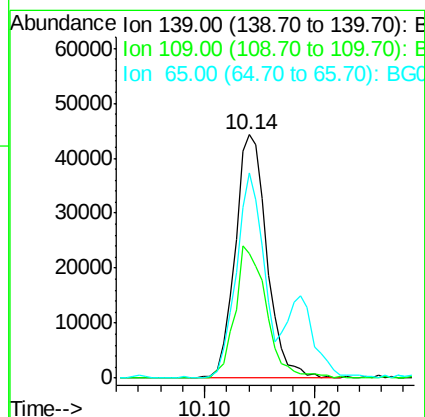
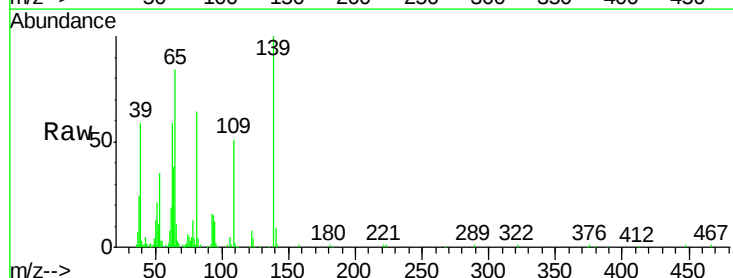
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

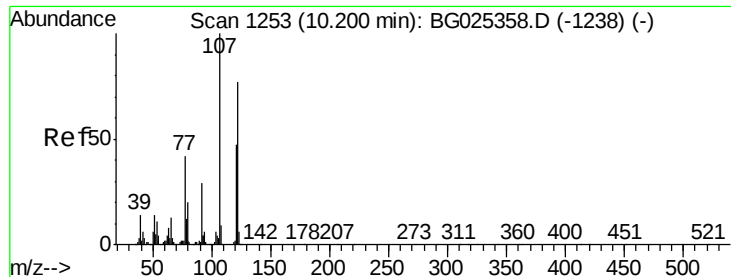
Tgt Ion: 82 Resp: 391272  
Ion Ratio Lower Upper  
82 100  
95 9.0 7.5 11.3  
138 14.1 12.3 18.5



#26  
2-Nitrophenol  
Concen: 44.29 ng  
RT: 10.14 min Scan# 1243  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion: 139 Resp: 89002  
Ion Ratio Lower Upper  
139 100  
109 51.4 38.6 58.0  
65 84.0 57.1 85.7

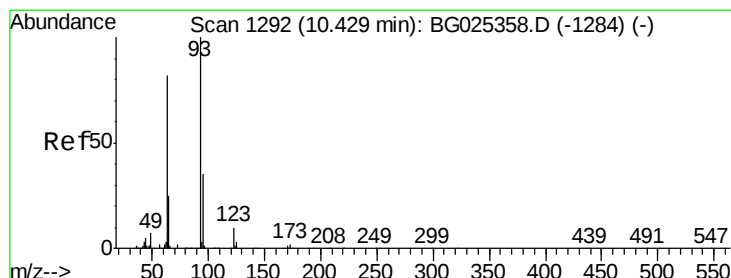
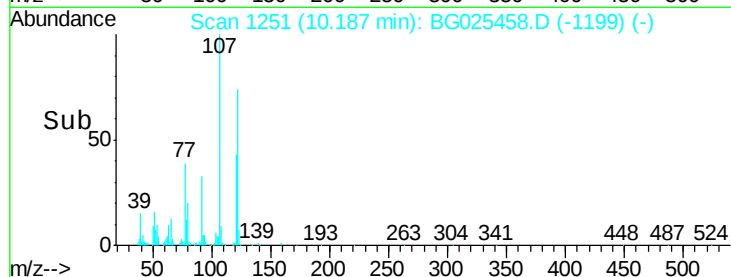
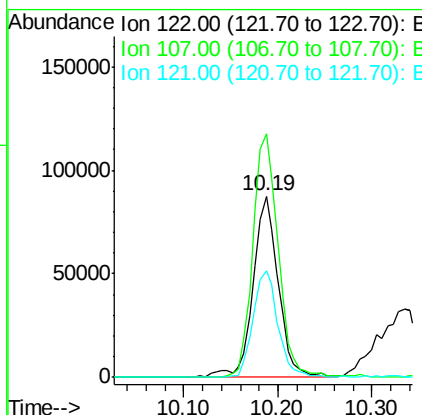
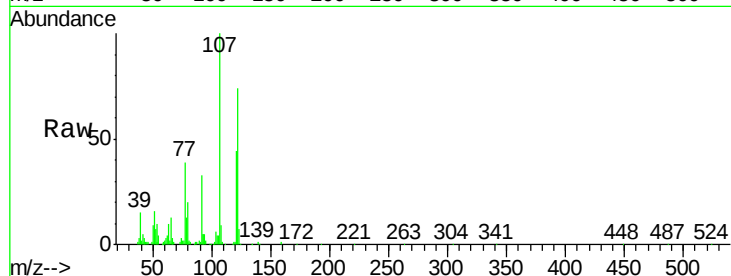




#27  
 2,4-Dimethylphenol  
 Concen: 49.37 ng  
 RT: 10.19 min Scan# 1251  
 Delta R.T. 0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

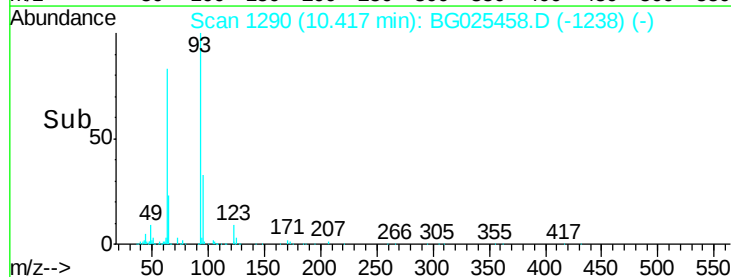
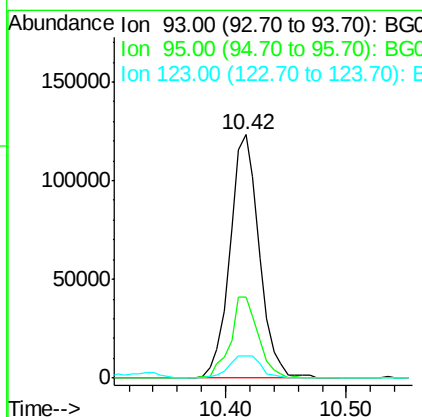
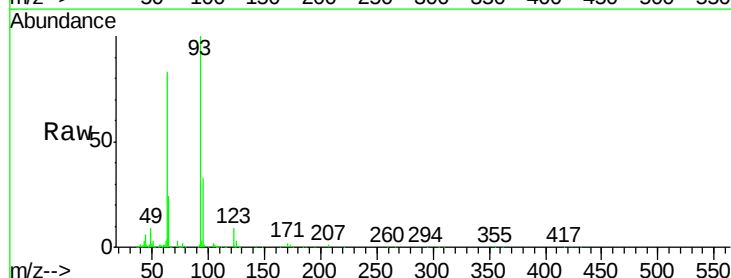
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

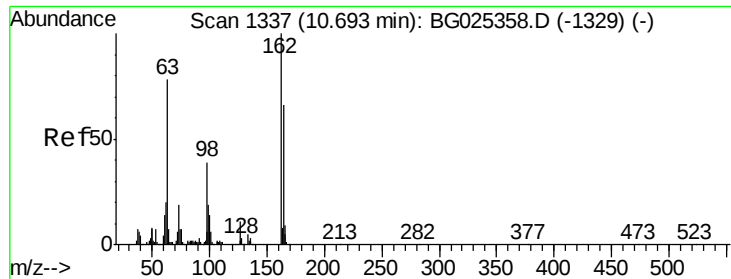
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 134.5 | 104.2 | 156.4 |
| 121     | 58.7  | 46.0  | 69.0  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.05 ng  
 RT: 10.42 min Scan# 1290  
 Delta R.T. 0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.3  | 25.7  | 38.5  |
| 123     | 9.0   | 8.3   | 12.5  |





#29

2,4-Dichlorophenol

Concen: 48.87 ng

RT: 10.69 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

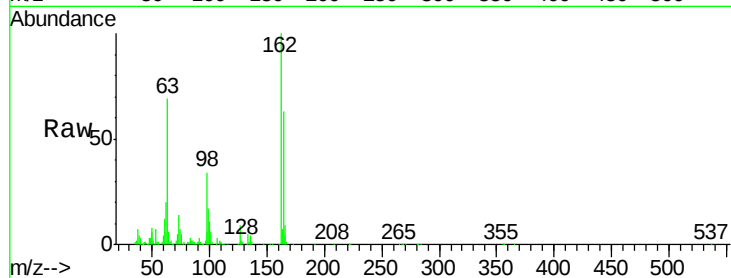
Tgt Ion:162 Resp: 172814

Ion Ratio Lower Upper

162 100

164 62.9 42.4 82.4

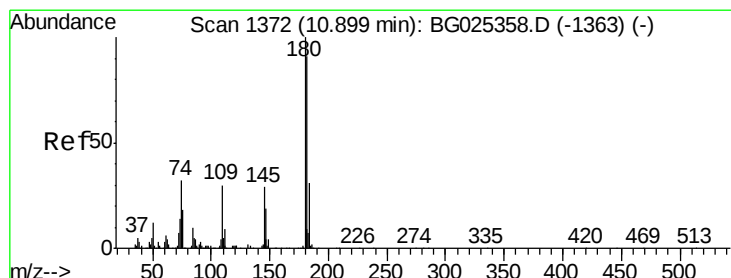
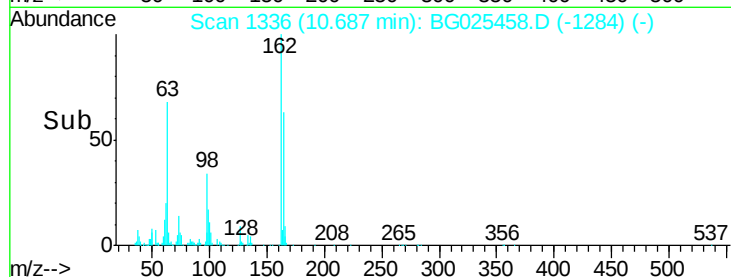
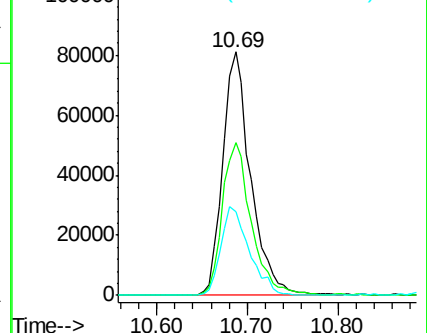
98 34.2 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 42.93 ng

RT: 10.88 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

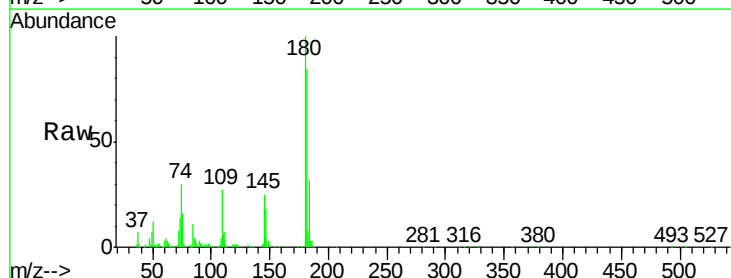
Tgt Ion:180 Resp: 183379

Ion Ratio Lower Upper

180 100

182 84.2 77.0 115.4

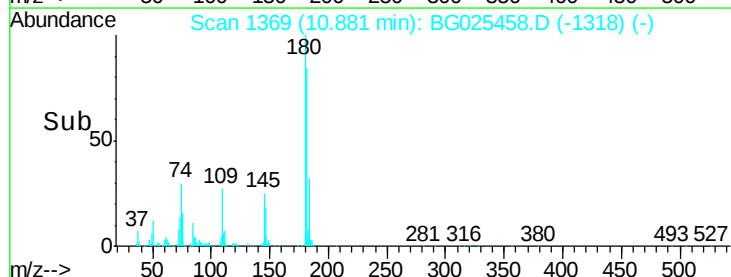
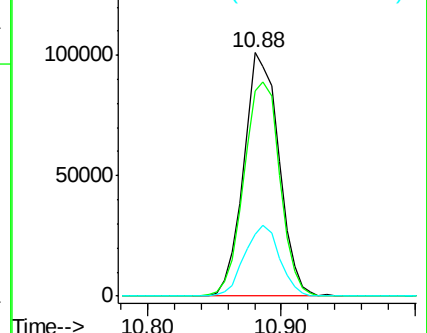
145 25.4 23.4 35.0

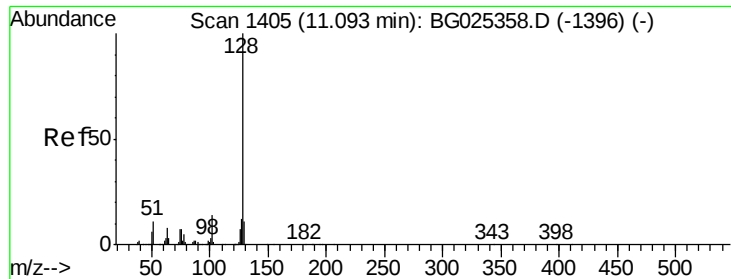


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

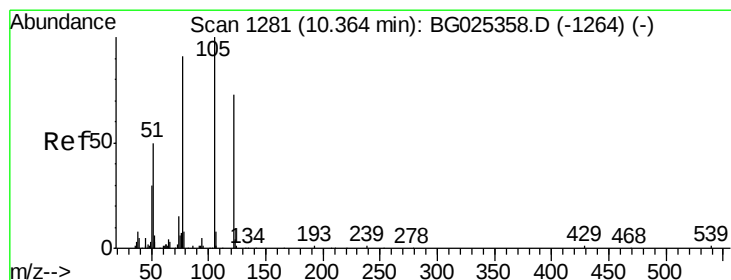
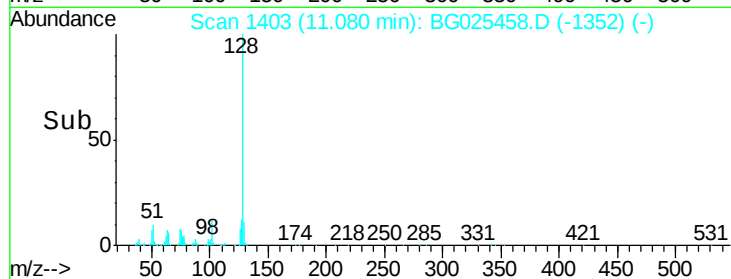
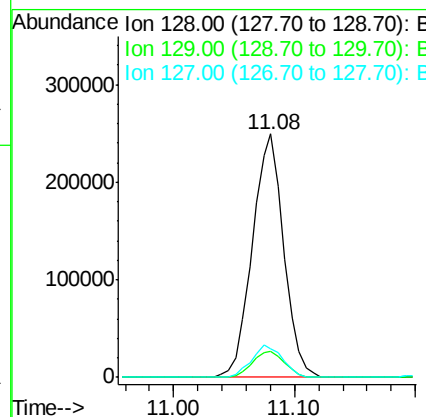
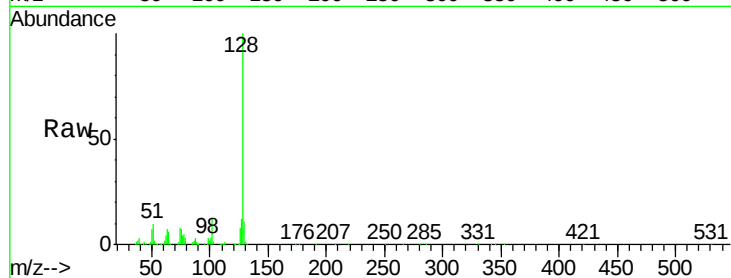




#31  
Naphthalene  
Concen: 42.65 ng  
RT: 11.08 min Scan# 1403  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

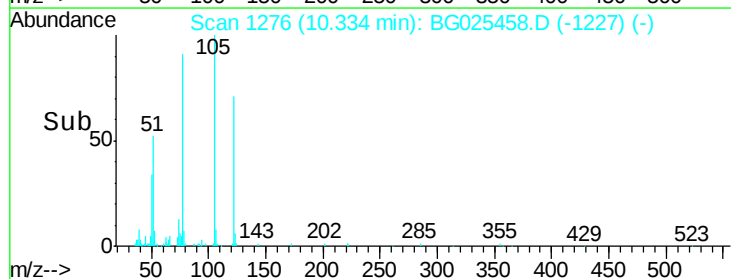
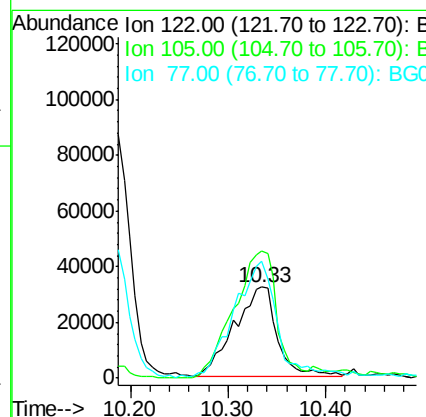
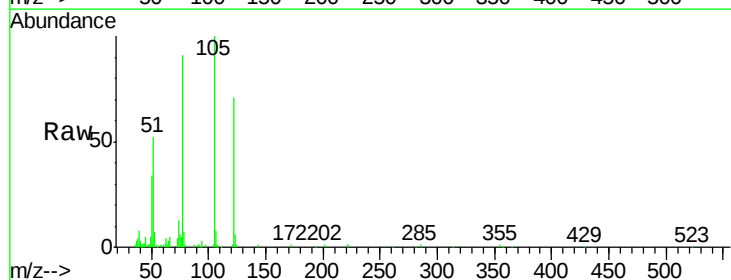
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

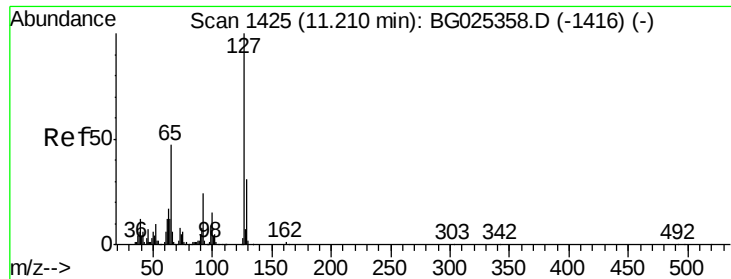
Tgt Ion:128 Resp: 450789  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.3 13.9  
127 11.9 11.4 17.0



#32  
Benzoic acid  
Concen: 36.57 ng  
RT: 10.33 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion:122 Resp: 97160  
Ion Ratio Lower Upper  
122 100  
105 139.9 120.1 160.1  
77 127.7 104.6 144.6

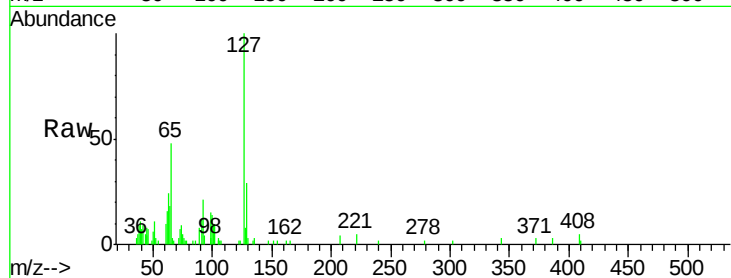




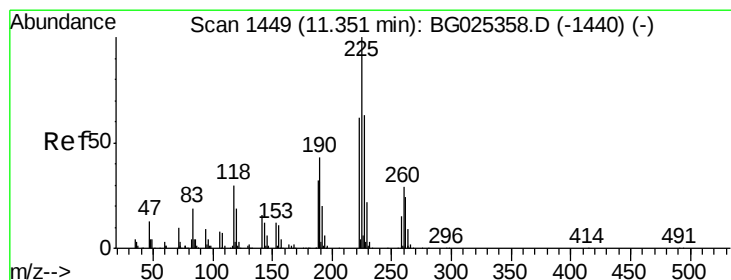
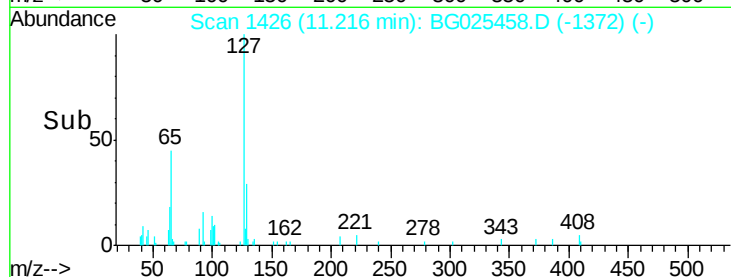
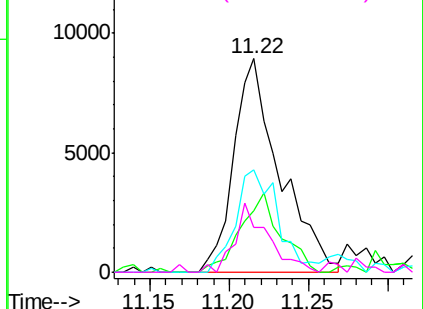
#33  
4-Chloroaniline  
Concen: 4.06 ng  
RT: 11.22 min Scan# 1426  
Delta R.T. 0.02 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 18035 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 28.9  | 23.6  | 35.4  |
| 65       | 48.0  | 37.7  | 56.5  |
| 92       | 21.0  | 17.6  | 26.4  |

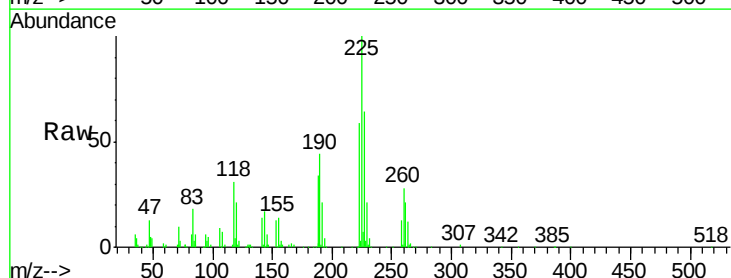


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

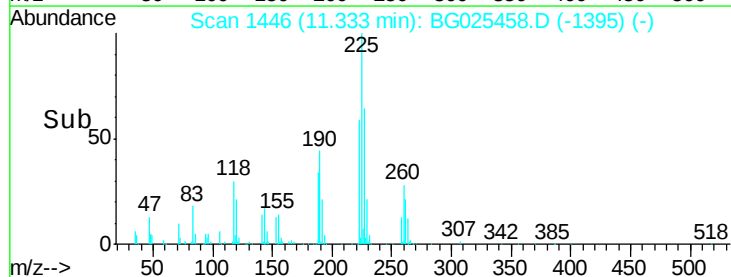
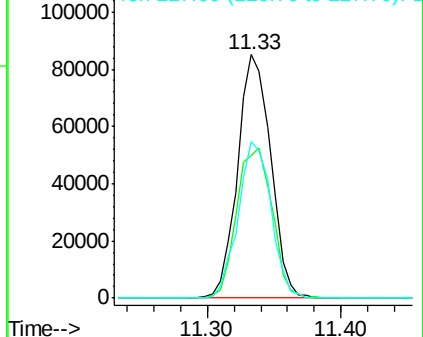


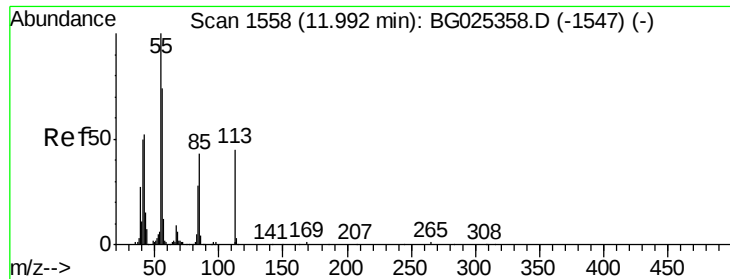
#34  
Hexachlorobutadiene  
Concen: 41.88 ng  
RT: 11.33 min Scan# 1446  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 146017 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 58.8  | 50.7  | 76.1   |
| 227      | 64.4  | 49.0  | 73.6   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 25.72 ng

RT: 11.97 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

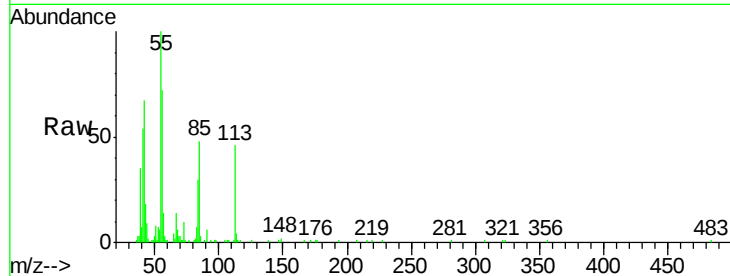
Tgt Ion:113 Resp: 34173

Ion Ratio Lower Upper

113 100

55 215.4 198.6 238.6

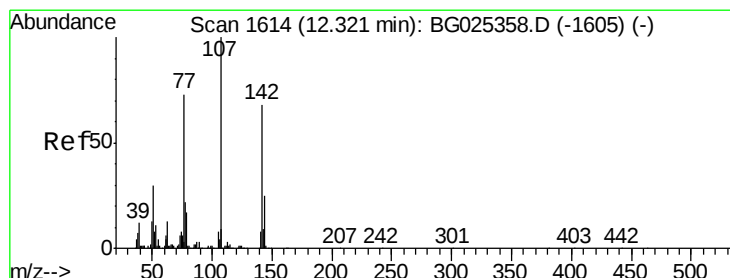
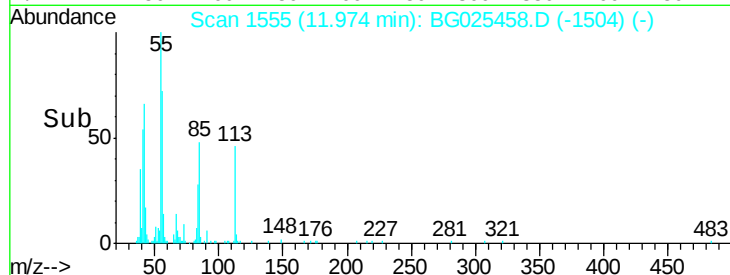
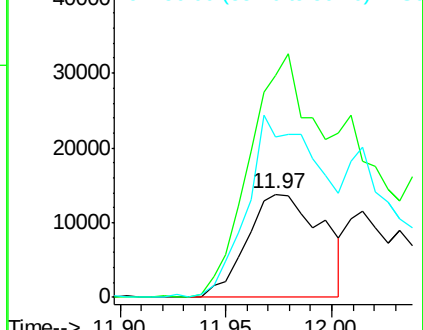
56 155.7 140.4 180.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 46.98 ng

RT: 12.31 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

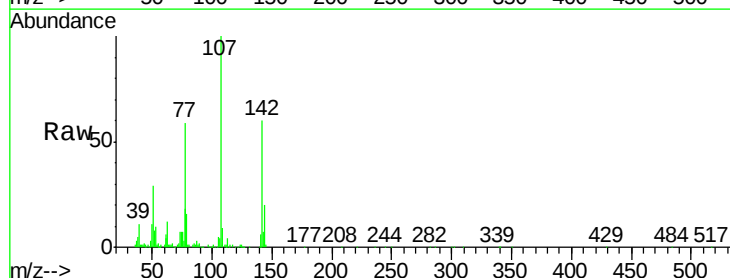
Tgt Ion:107 Resp: 205027

Ion Ratio Lower Upper

107 100

144 19.7 17.4 26.0

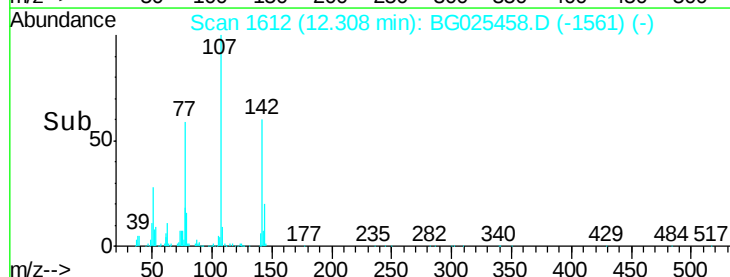
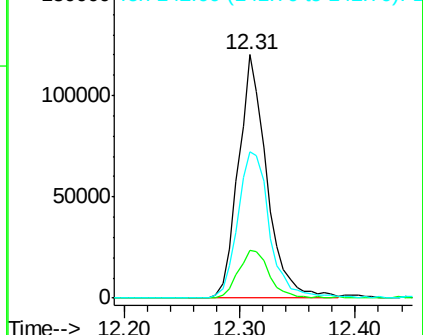
142 59.9 54.1 81.1

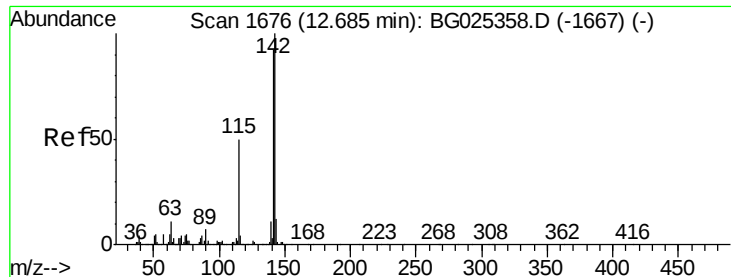


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

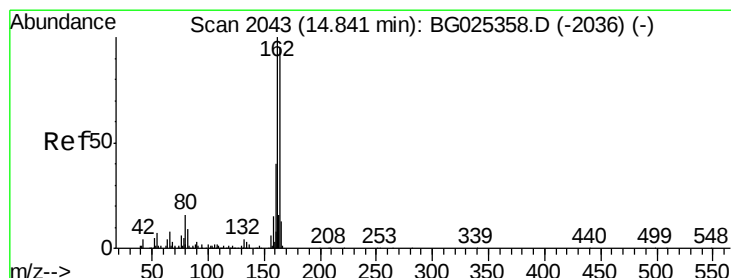
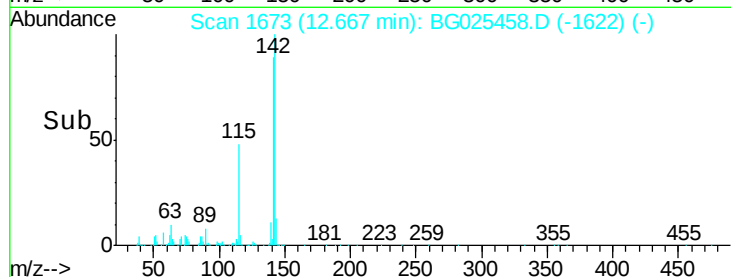
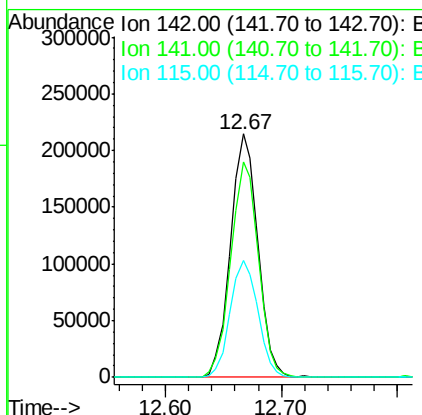
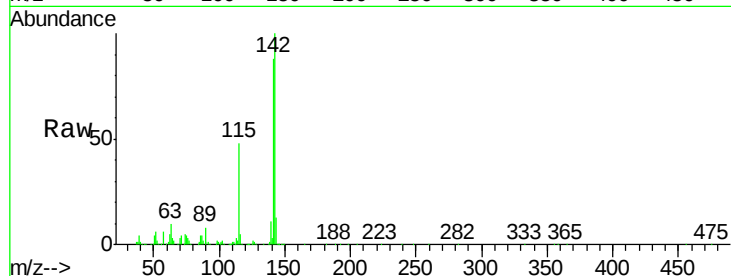




#37  
 2-Methylnaphthalene  
 Concen: 44.86 ng  
 RT: 12.67 min Scan# 1673  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

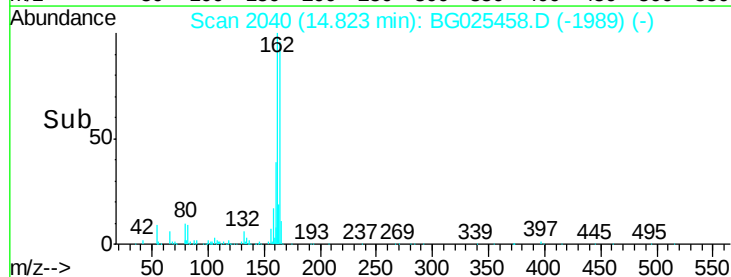
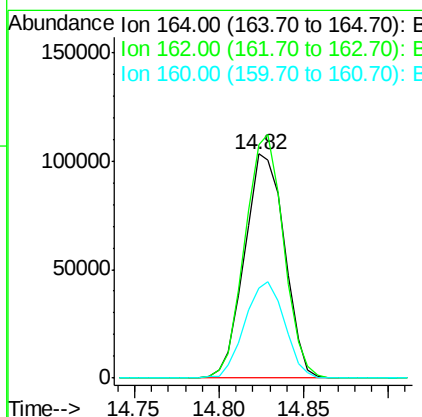
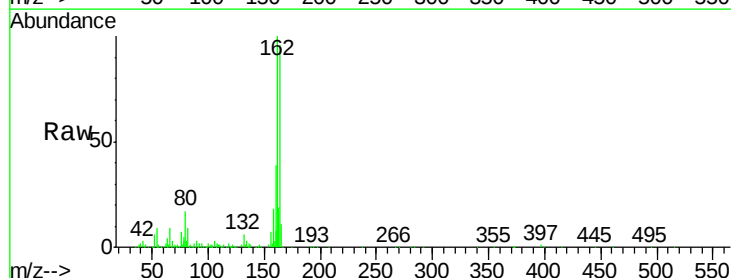
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

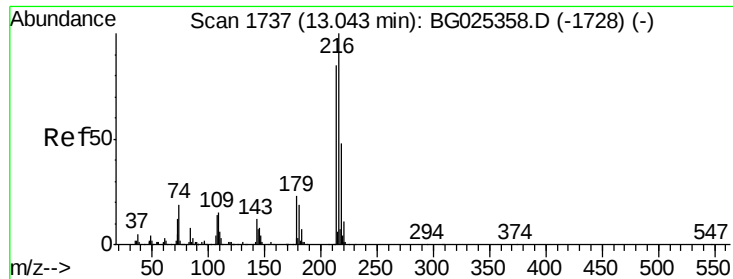
Tgt Ion:142 Resp: 351347  
 Ion Ratio Lower Upper  
 142 100  
 141 88.5 70.4 105.6  
 115 48.1 35.5 53.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.82 min Scan# 2040  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

Tgt Ion:164 Resp: 170197  
 Ion Ratio Lower Upper  
 164 100  
 162 104.2 85.1 127.7  
 160 40.2 34.7 52.1

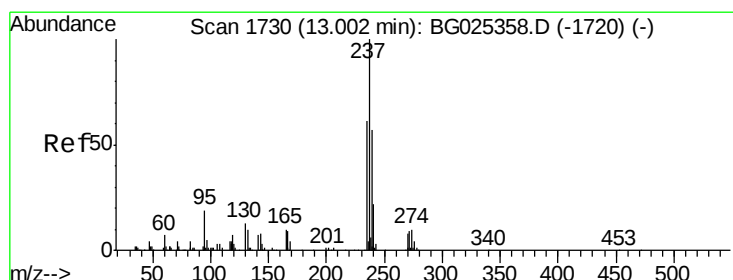
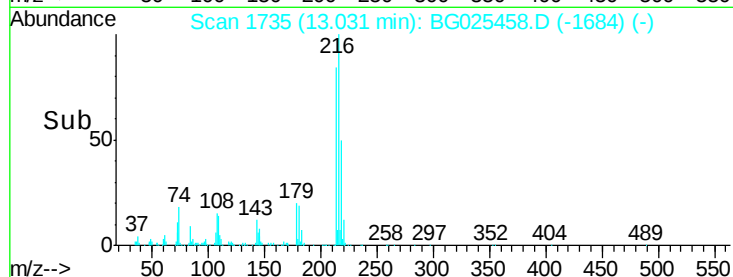
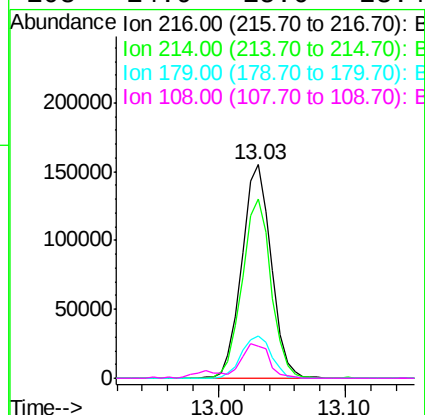
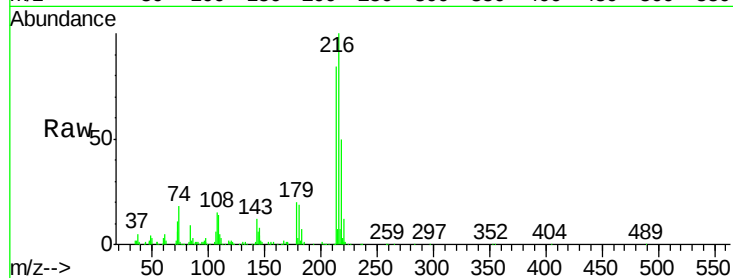




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 44.25 ng  
 RT: 13.03 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

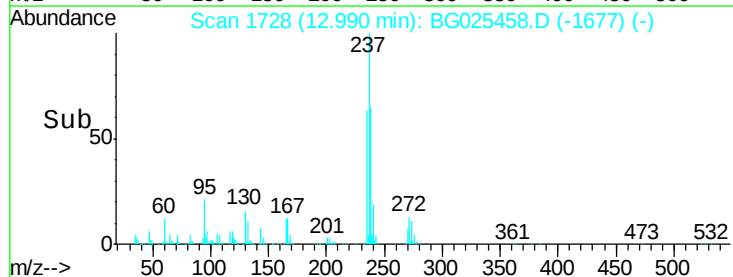
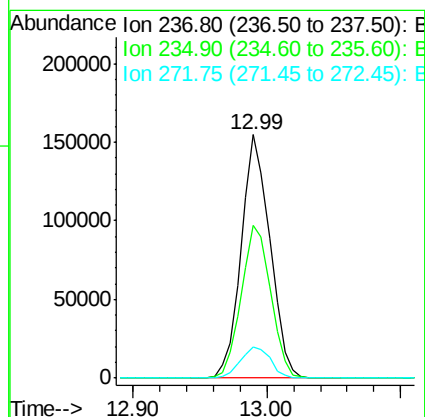
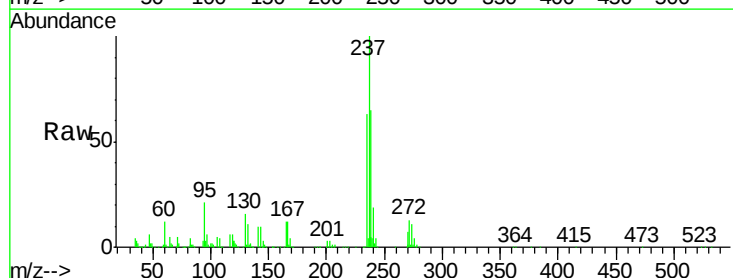
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

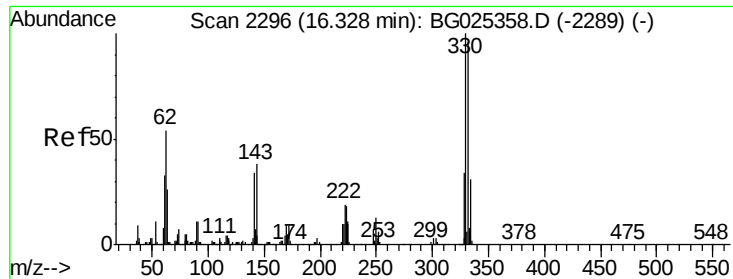
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 248621 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 82.6  | 64.4  | 96.6   |
| 179      | 20.4  | 17.4  | 26.0   |
| 108      | 14.9  | 15.6  | 23.4#  |



#40  
 Hexachlorocyclopentadiene  
 Concen: 108.48 ng  
 RT: 12.99 min Scan# 1728  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 229606 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 62.7  | 39.4  | 79.4   |
| 272      | 12.8  | 0.0   | 32.0   |

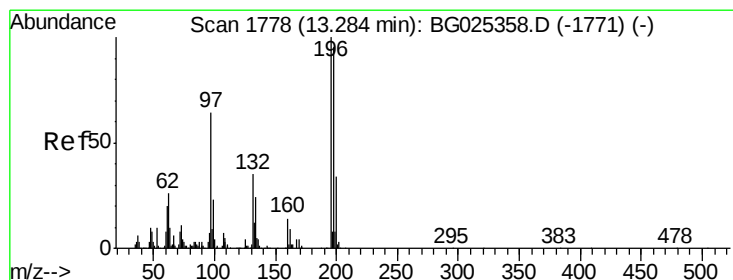
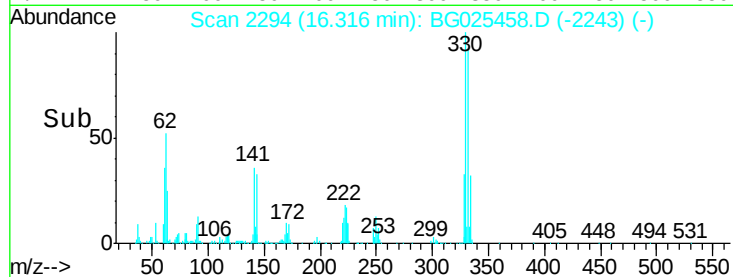
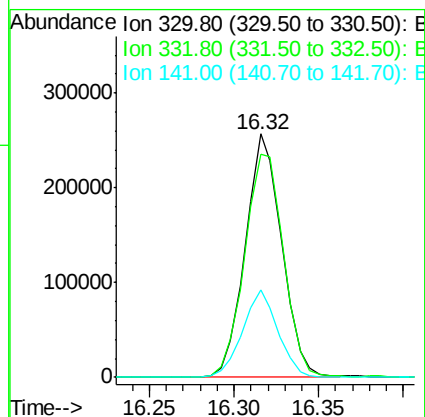
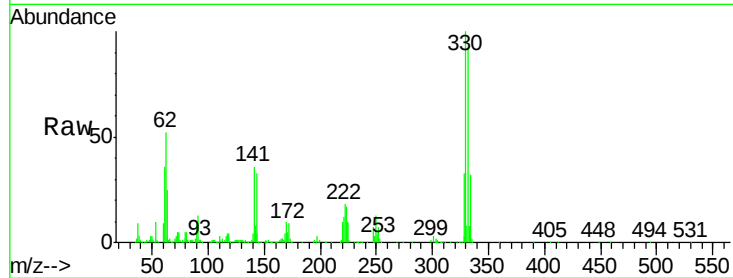




#41  
 2,4,6-Tribromophenol  
 Concen: 140.68 ng  
 RT: 16.32 min Scan# 2294  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

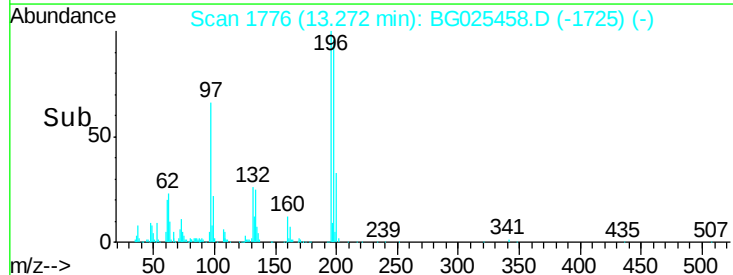
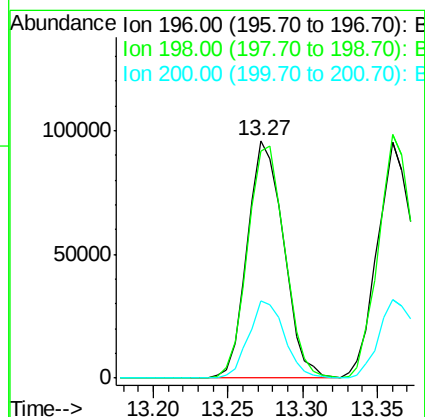
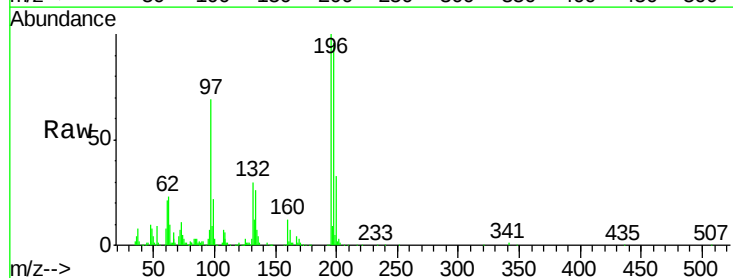
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

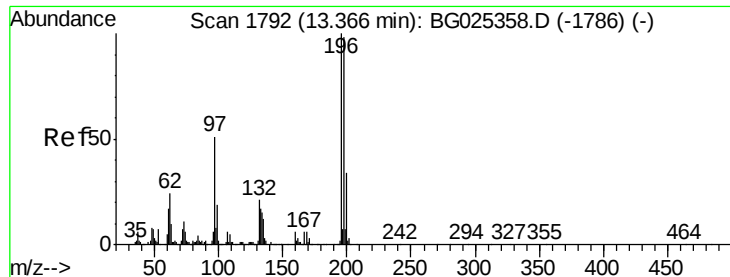
Tgt Ion:330 Resp: 385477  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.3 115.9  
 141 35.1 32.1 48.1



#42  
 2,4,6-Trichlorophenol  
 Concen: 45.52 ng  
 RT: 13.27 min Scan# 1776  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

Tgt Ion:196 Resp: 161067  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 81.4 122.2  
 200 32.7 27.0 40.6

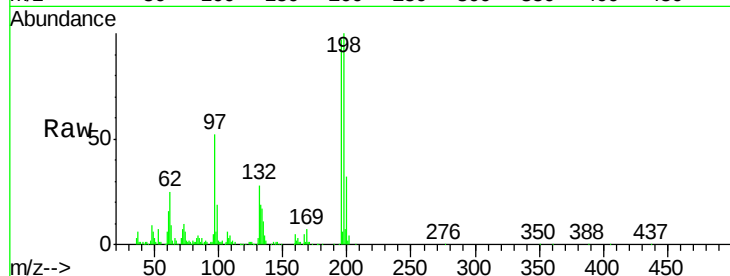




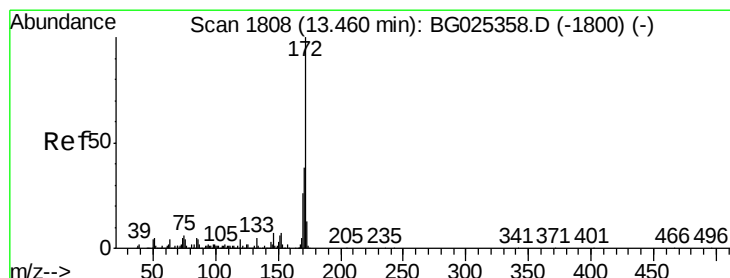
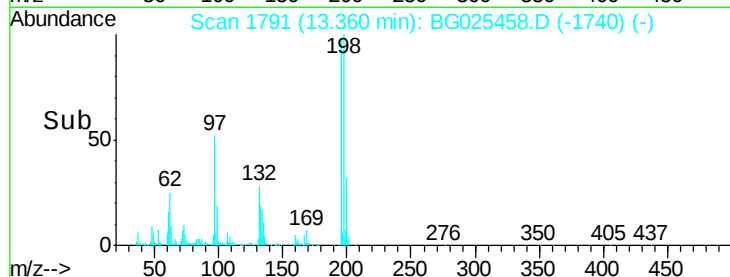
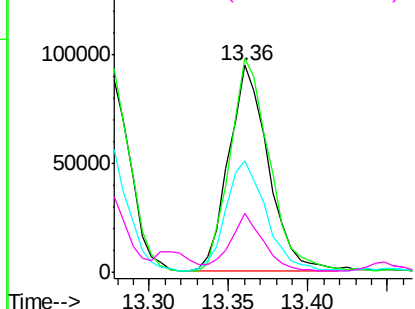
#43  
2,4,5-Trichlorophenol  
Concen: 44.80 ng  
RT: 13.36 min Scan# 1791  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

Tgt Ion:196 Resp: 165913  
Ion Ratio Lower Upper  
196 100  
198 103.3 79.9 119.9  
97 53.8 45.4 68.0  
132 28.6 20.7 31.1

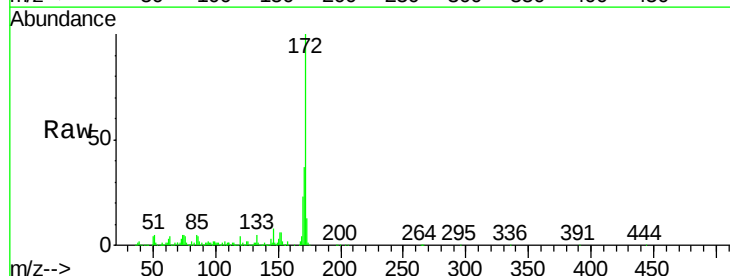


Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 97.00 (96.70 to 97.70): BG  
Ion 132.00 (131.70 to 132.70): E

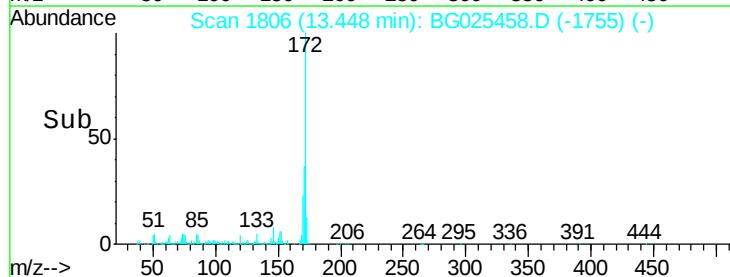
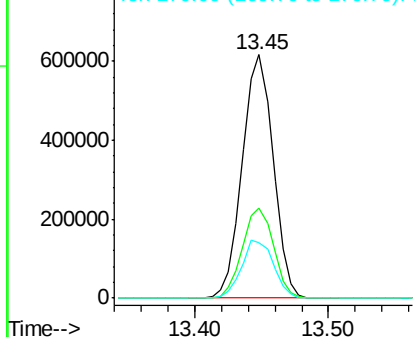


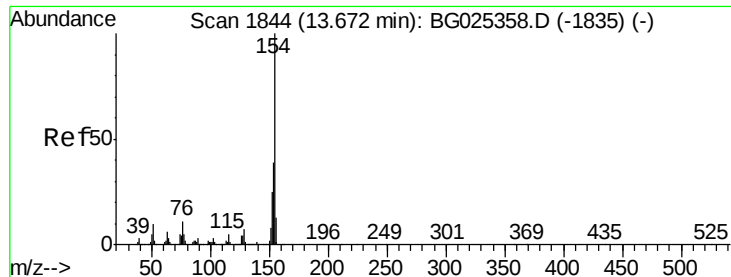
#44  
2-Fluorobiphenyl  
Concen: 93.81 ng  
RT: 13.45 min Scan# 1806  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion:172 Resp: 986168  
Ion Ratio Lower Upper  
172 100  
171 36.9 32.2 48.2  
170 22.9 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

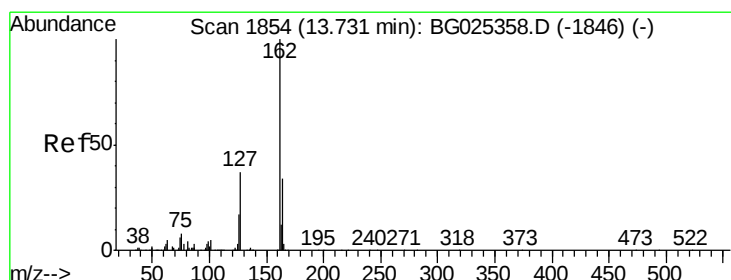
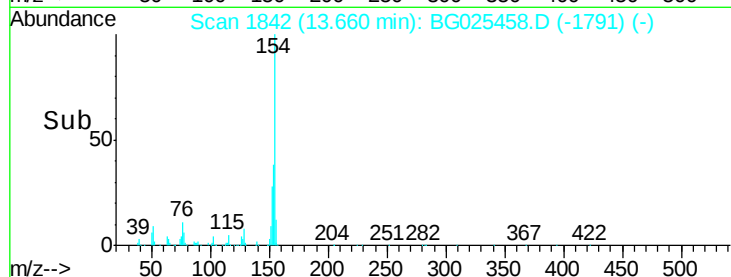
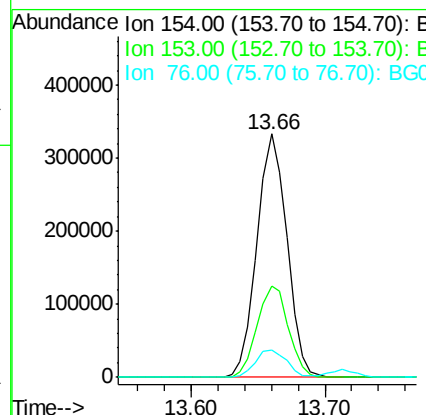
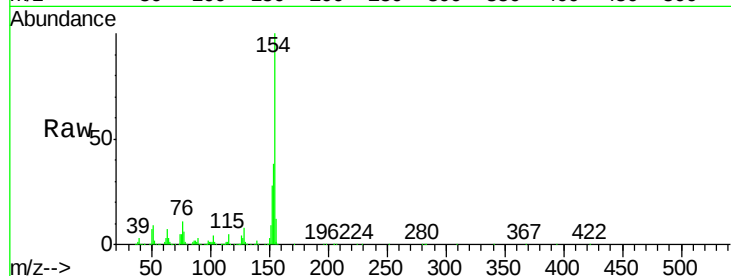




#45  
 1,1'-Biphenyl  
 Concen: 45.02 ng  
 RT: 13.66 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

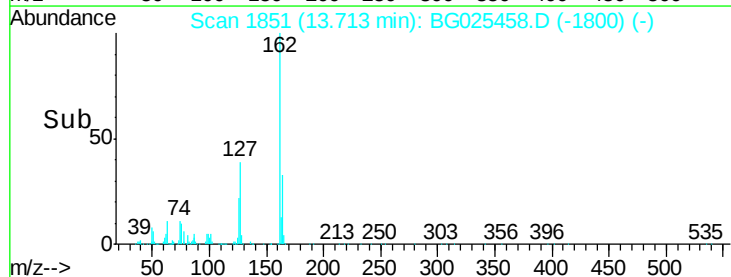
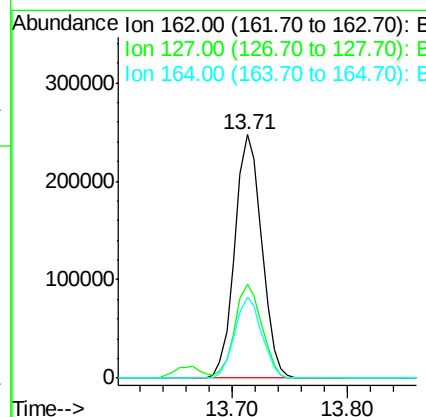
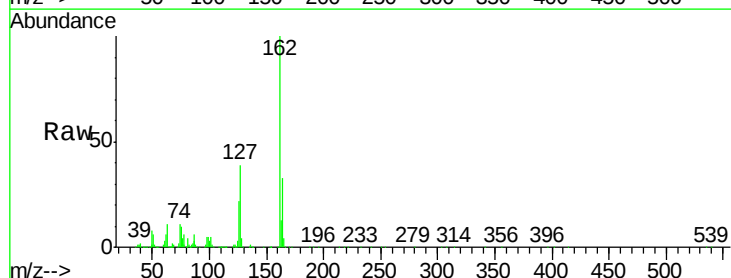
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

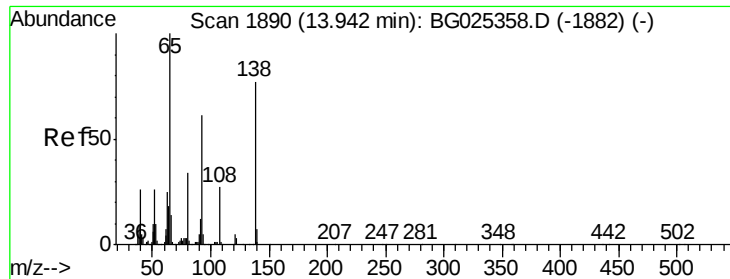
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 37.7  | 23.0  | 63.0  |
| 76      | 11.5  | 0.0   | 33.5  |



#46  
 2-Chloronaphthalene  
 Concen: 44.55 ng  
 RT: 13.71 min Scan# 1851  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.7  | 32.2  | 48.4  |
| 164     | 33.1  | 27.3  | 40.9  |

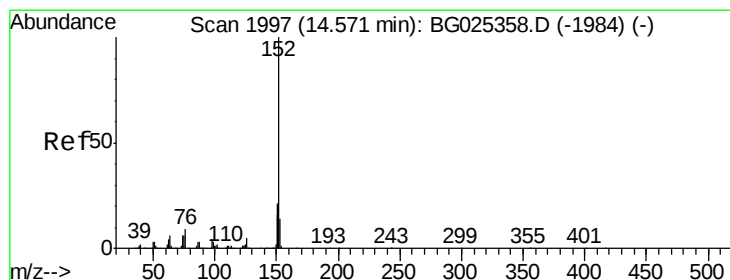
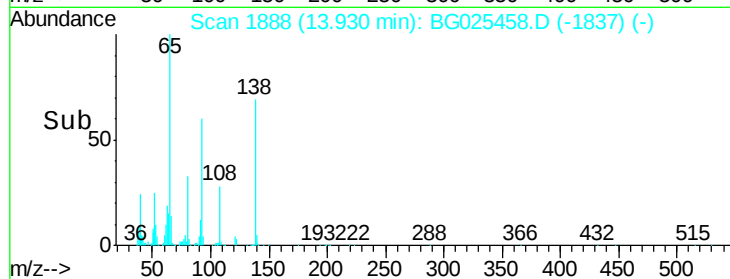
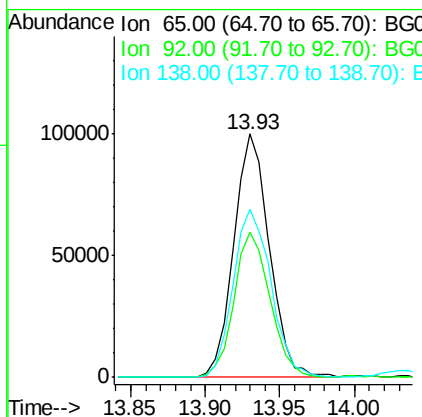
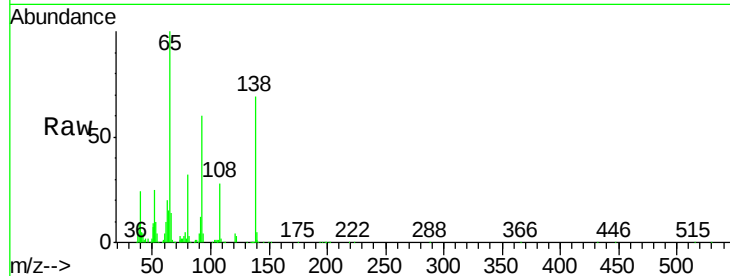




#47  
2-Nitroaniline  
Concen: 43.93 ng  
RT: 13.93 min Scan# 1888  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

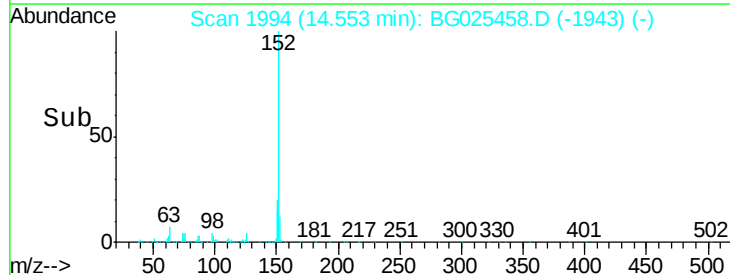
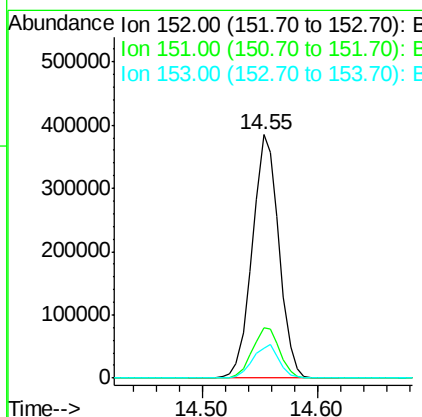
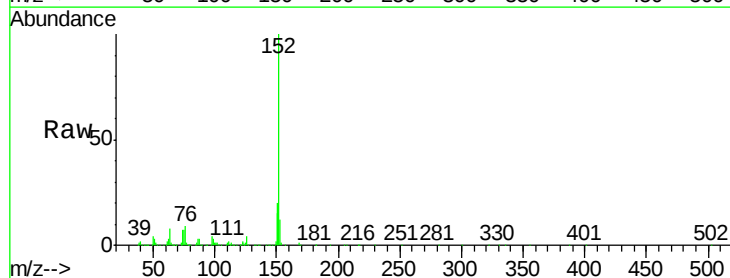
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

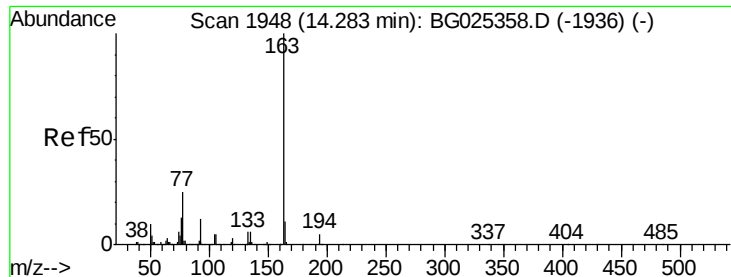
Tgt Ion: 65 Resp: 165827  
Ion Ratio Lower Upper  
65 100  
92 59.7 49.0 73.4  
138 68.9 58.6 87.8



#48  
Acenaphthylene  
Concen: 44.41 ng  
RT: 14.55 min Scan# 1994  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion: 152 Resp: 615539  
Ion Ratio Lower Upper  
152 100  
151 20.5 18.2 27.2  
153 12.3 11.3 16.9





#49

Dimethylphthalate

Concen: 46.11 ng

RT: 14.27 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

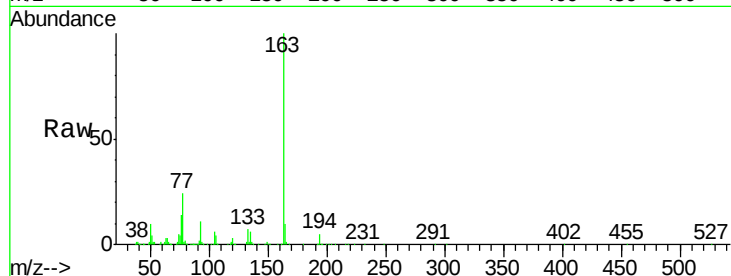
Tgt Ion:163 Resp: 572074

Ion Ratio Lower Upper

163 100

194 4.7 3.8 5.6

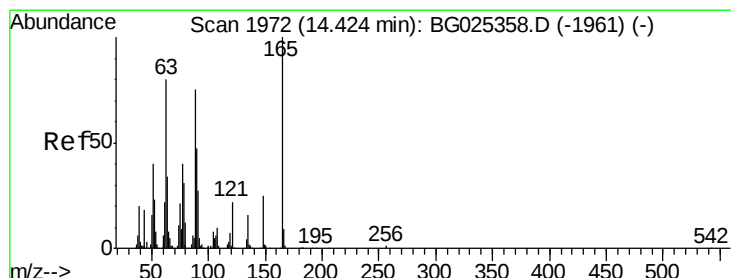
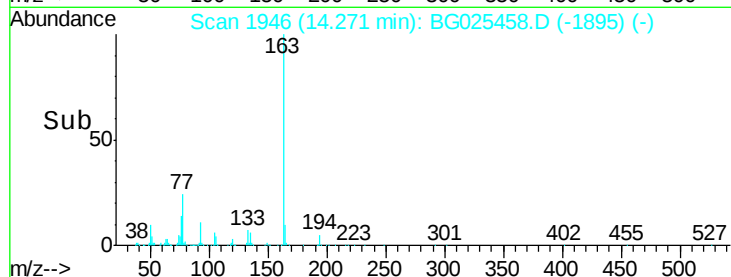
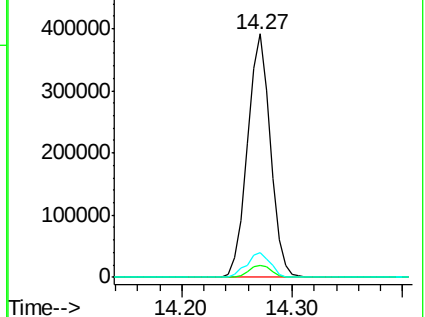
164 9.9 9.3 13.9



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: 45.41 ng

RT: 14.41 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

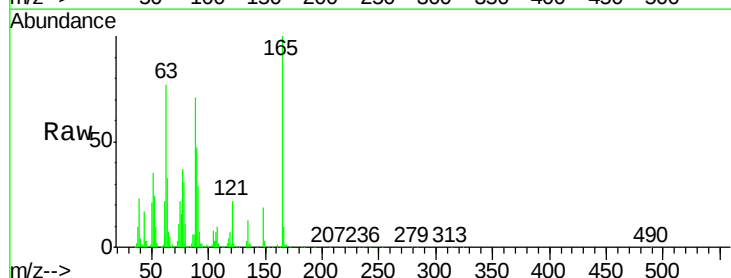
Tgt Ion:165 Resp: 123096

Ion Ratio Lower Upper

165 100

63 77.1 63.9 95.9

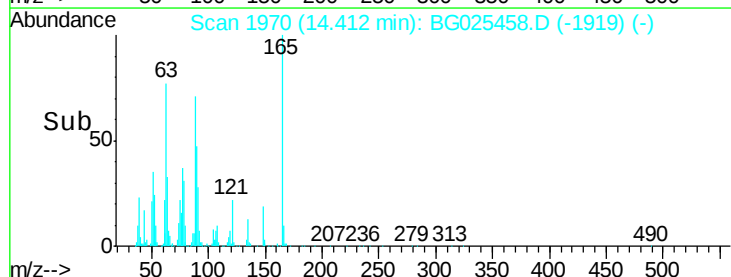
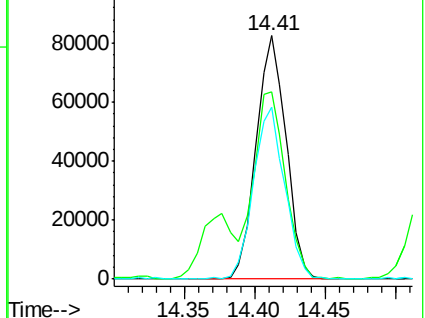
89 70.5 58.6 88.0

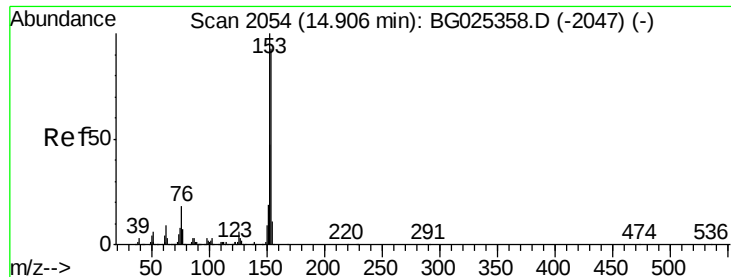


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 42.75 ng

RT: 14.89 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

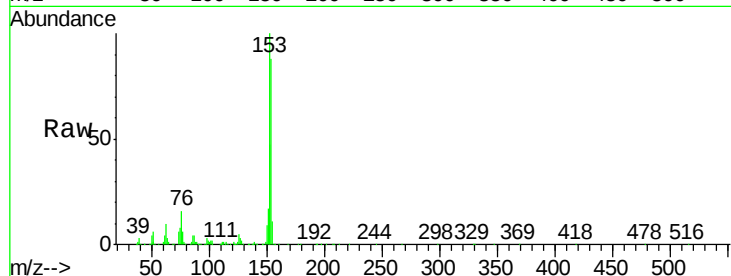
Tgt Ion:154 Resp: 387551

Ion Ratio Lower Upper

154 100

153 113.2 87.8 131.6

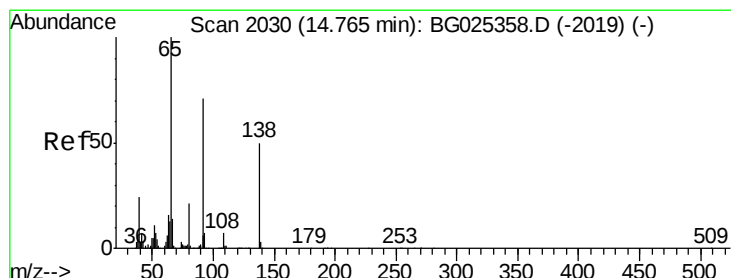
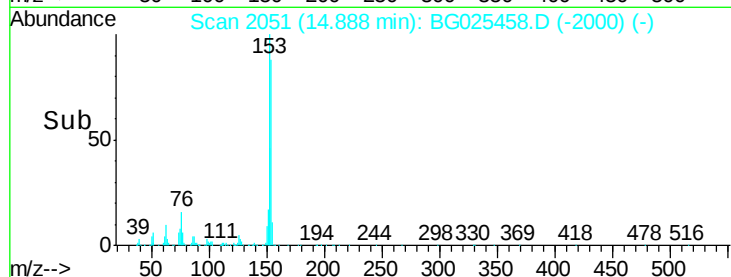
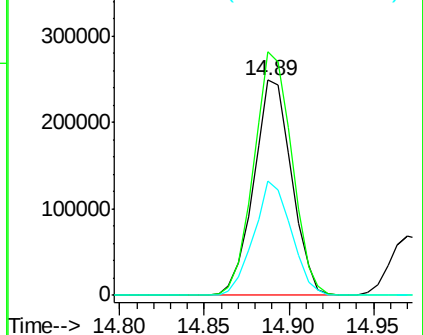
152 53.4 42.2 63.4



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: 9.41 ng

RT: 14.76 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

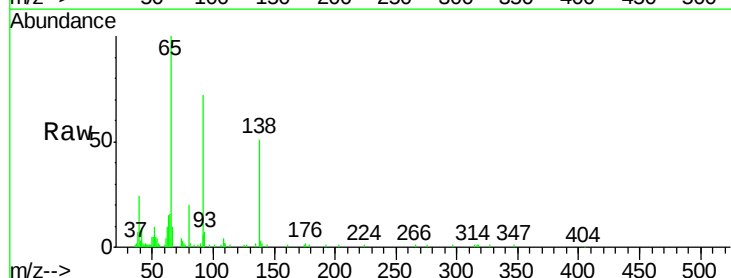
Tgt Ion:138 Resp: 24525

Ion Ratio Lower Upper

138 100

108 8.4 10.9 16.3#

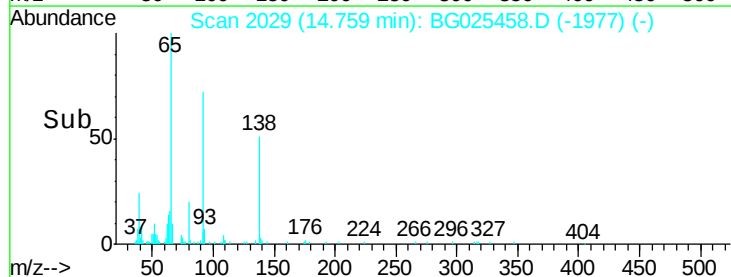
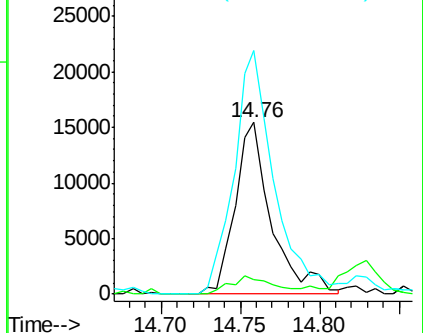
92 142.1 115.3 172.9

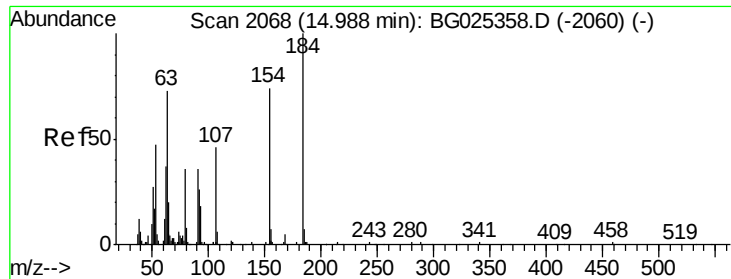


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

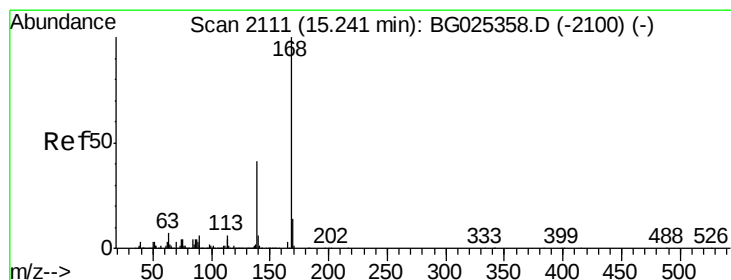
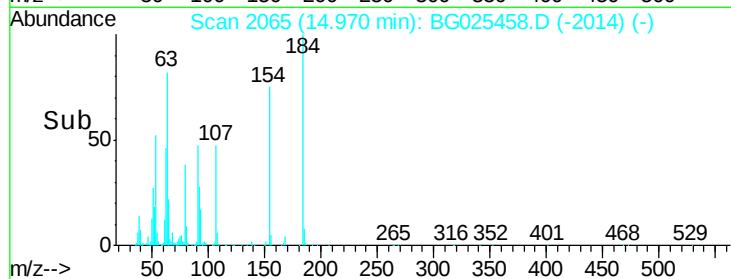
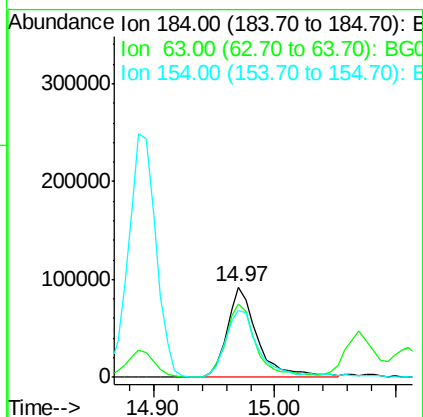
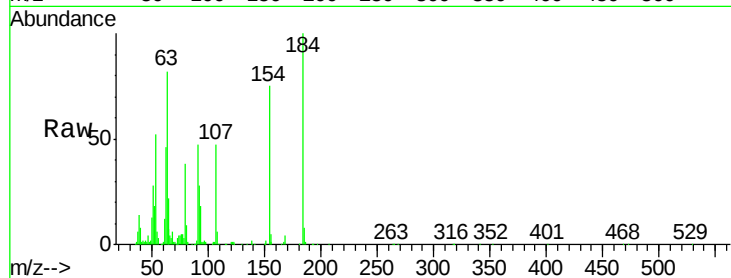




#53  
2,4-Dinitrophenol  
Concen: 90.10 ng  
RT: 14.97 min Scan# 2065  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

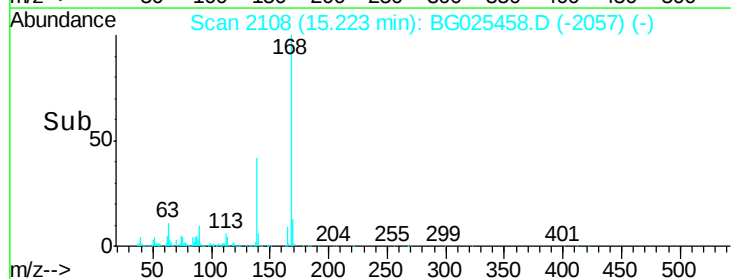
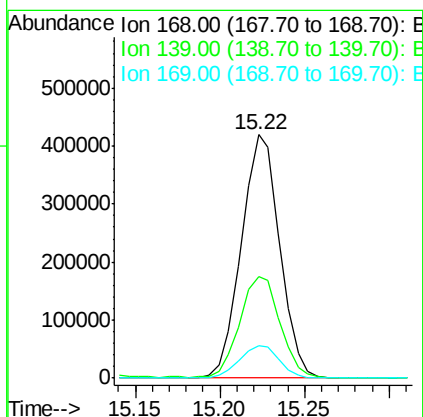
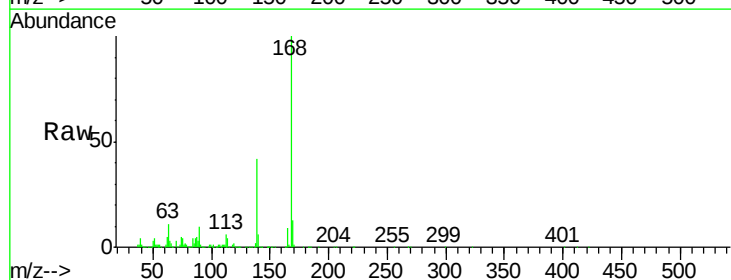
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

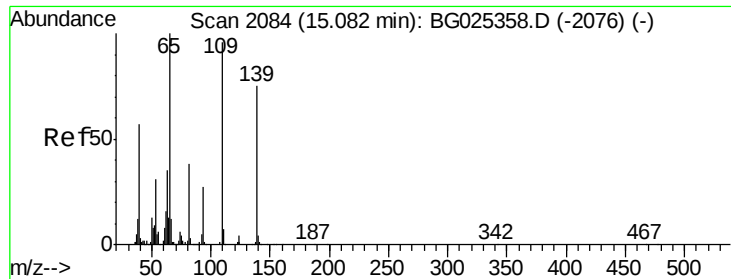
Tgt Ion:184 Resp: 161359  
Ion Ratio Lower Upper  
184 100  
63 81.9 52.7 79.1#  
154 74.6 57.3 85.9



#54  
Dibenzofuran  
Concen: 46.24 ng  
RT: 15.22 min Scan# 2108  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion:168 Resp: 662757  
Ion Ratio Lower Upper  
168 100  
139 41.7 35.3 52.9  
169 13.1 11.5 17.3

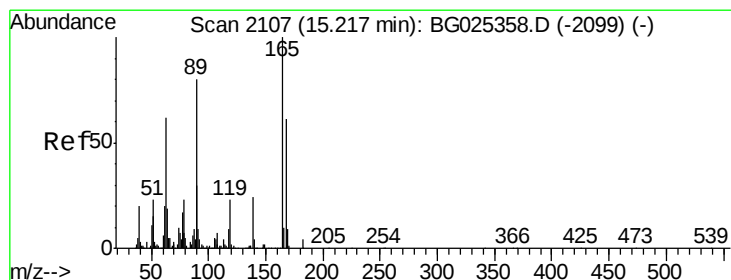
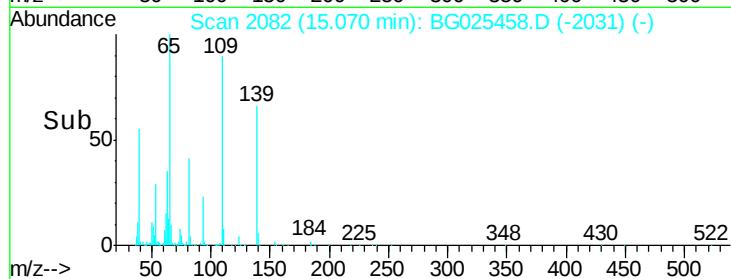
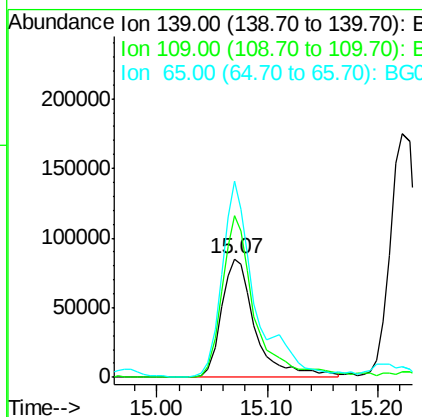
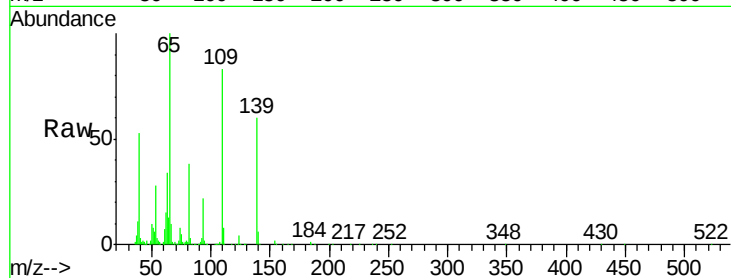




#55  
4-Nitrophenol  
Concen: 92.95 ng  
RT: 15.07 min Scan# 2082  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

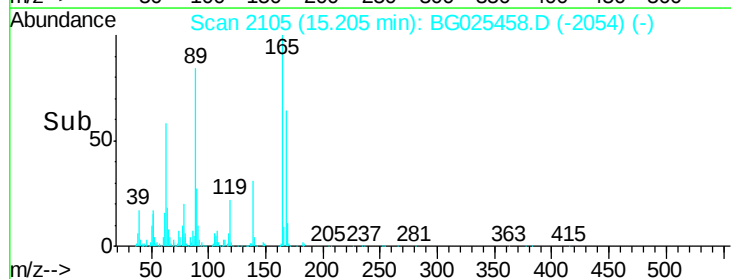
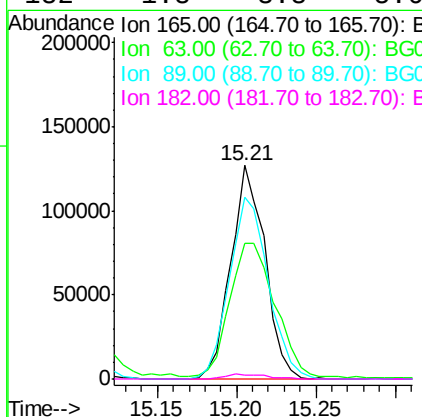
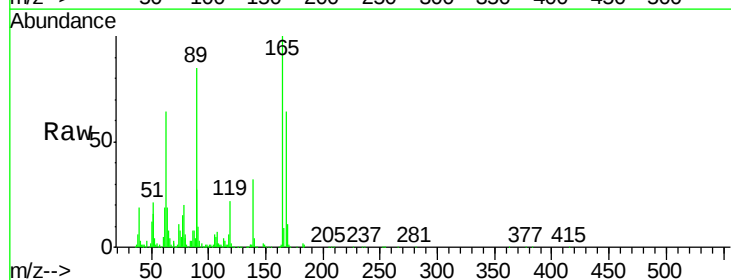
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

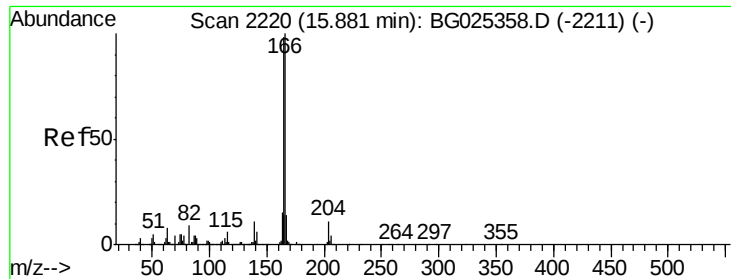
Tgt Ion:139 Resp: 180906  
Ion Ratio Lower Upper  
139 100  
109 136.5 101.2 141.2  
65 165.4 135.3 175.3



#56  
2,4-Dinitrotoluene  
Concen: 47.93 ng  
RT: 15.21 min Scan# 2105  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion:165 Resp: 189158  
Ion Ratio Lower Upper  
165 100  
63 63.7 44.0 66.0  
89 84.9 67.3 100.9  
182 1.8 3.8 5.6#





#57

Fluorene

Concen: 45.24 ng

RT: 15.87 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

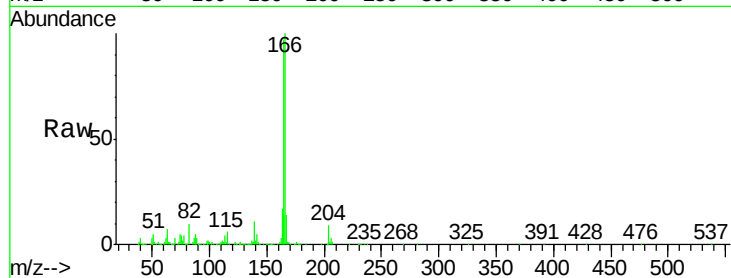
Tgt Ion:166 Resp: 542861

Ion Ratio Lower Upper

166 100

165 96.5 78.6 117.8

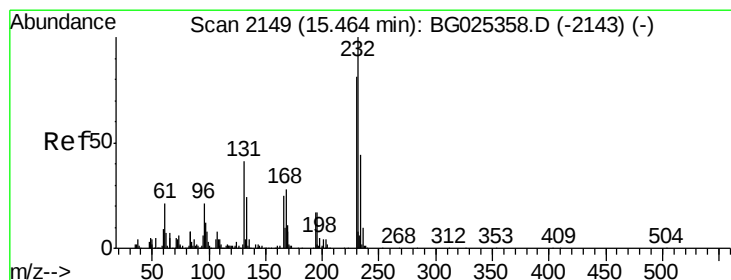
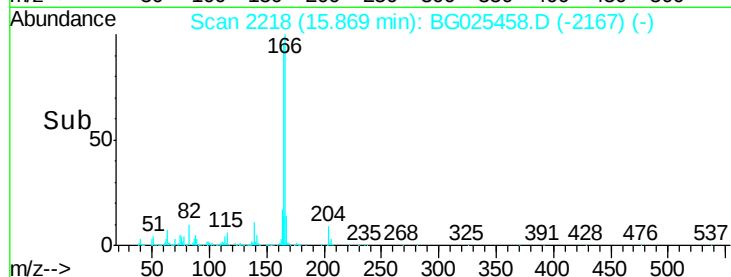
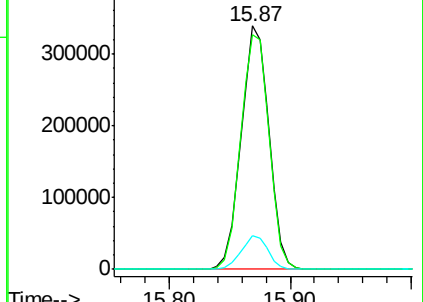
167 13.7 11.6 17.4



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: 46.57 ng

RT: 15.45 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Tgt Ion:232 Resp: 184767

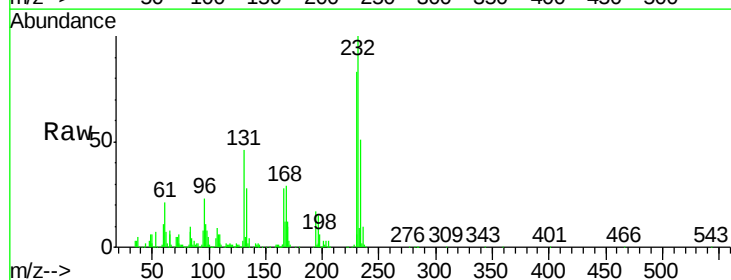
Ion Ratio Lower Upper

232 100

131 40.0 34.9 52.3

130 2.9 2.3 3.5

166 26.8 24.2 36.4

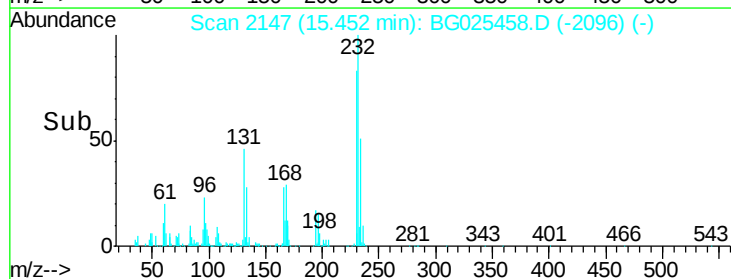
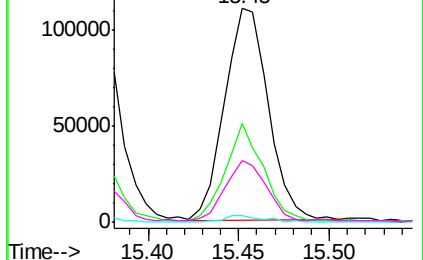


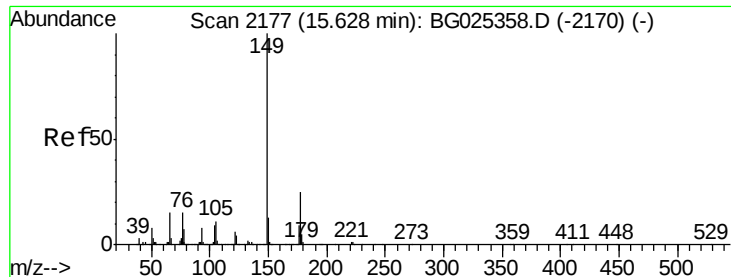
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 46.00 ng

RT: 15.62 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

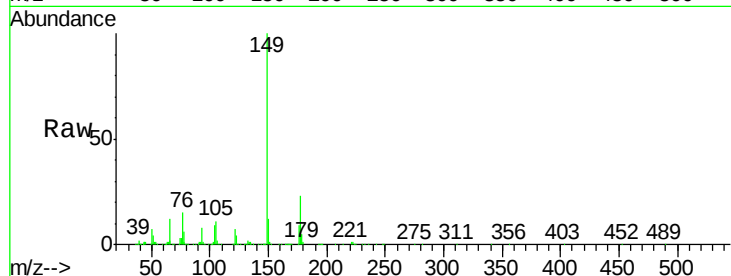
Tgt Ion:149 Resp: 598485

Ion Ratio Lower Upper

149 100

177 23.0 20.1 30.1

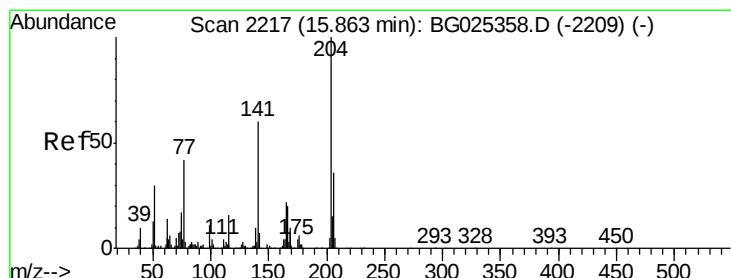
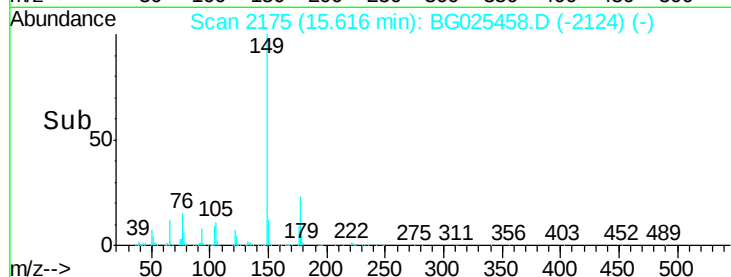
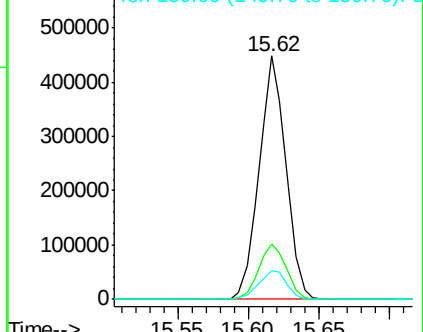
150 11.8 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 45.16 ng

RT: 15.85 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

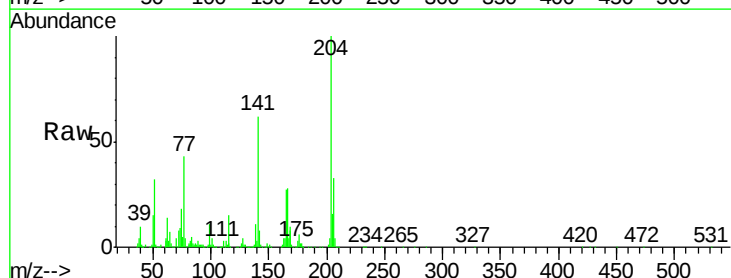
Tgt Ion:204 Resp: 307111

Ion Ratio Lower Upper

204 100

206 33.4 30.1 45.1

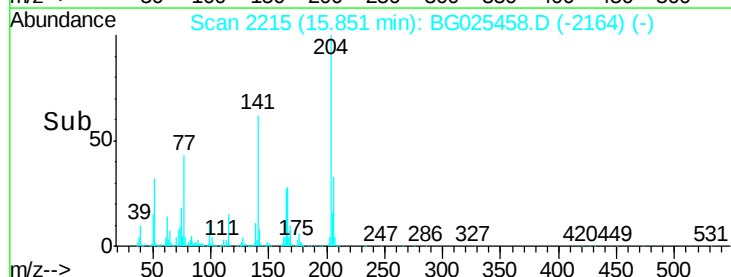
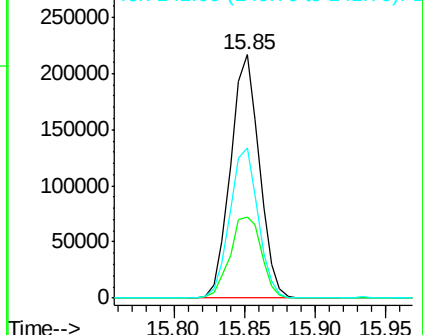
141 61.8 50.6 76.0

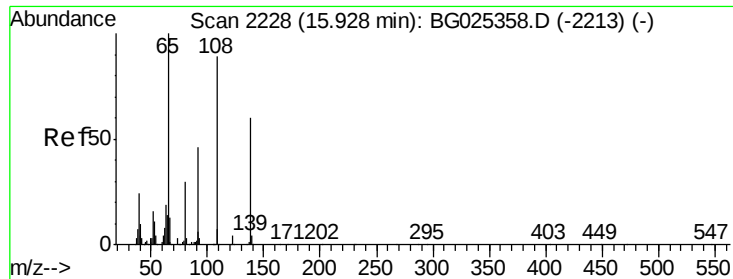


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

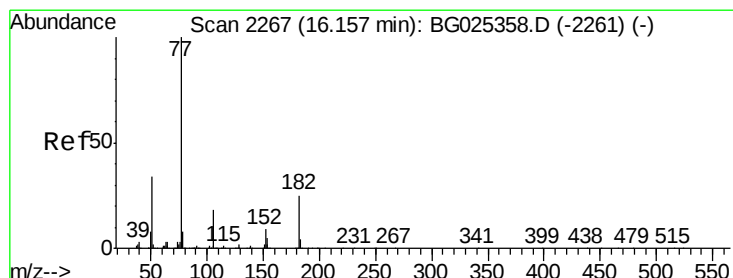
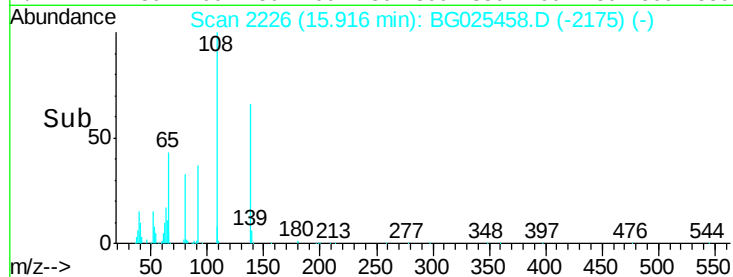
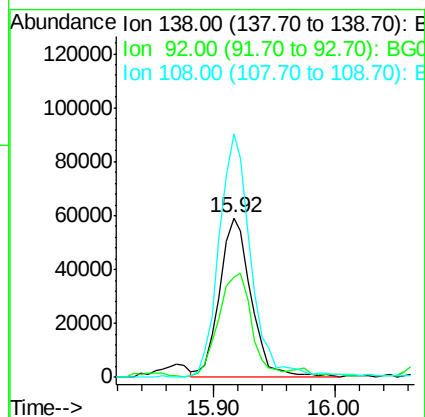
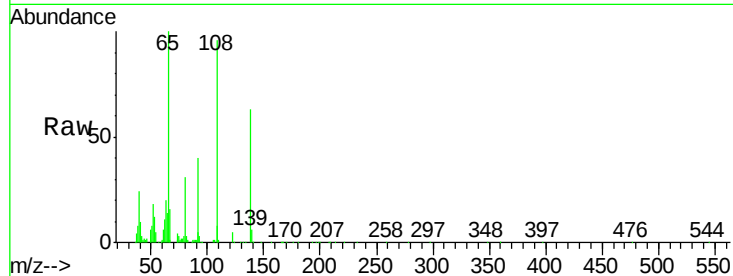




#61  
4-Nitroaniline  
Concen: 40.36 ng  
RT: 15.92 min Scan# 2226  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

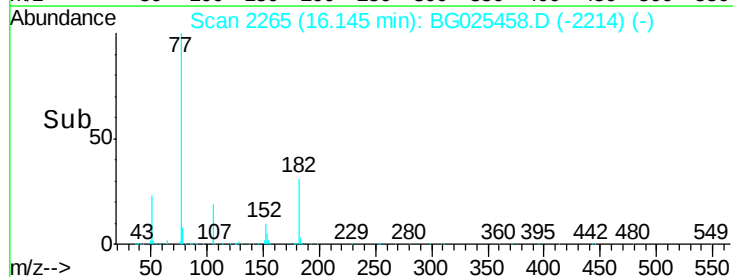
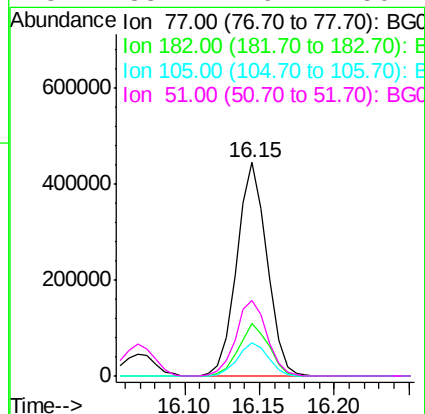
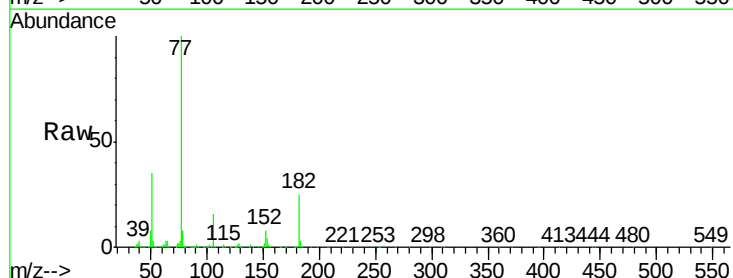
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

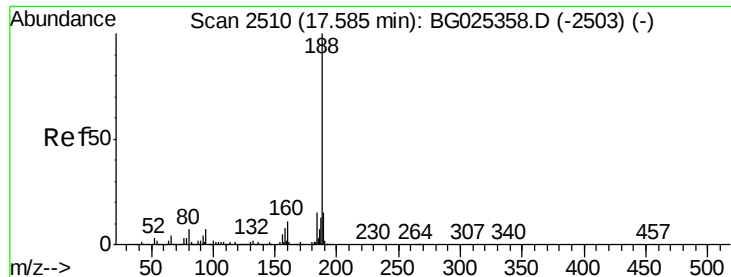
Tgt Ion: 138 Resp: 105839  
Ion Ratio Lower Upper  
138 100  
92 63.2 44.2 84.2  
108 152.6 104.8 144.8#



#62  
Azobenzene  
Concen: 49.55 ng  
RT: 16.15 min Scan# 2265  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion: 77 Resp: 621744  
Ion Ratio Lower Upper  
77 100  
182 24.6 4.7 44.7  
105 15.6 0.0 36.3  
51 35.2 16.4 56.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

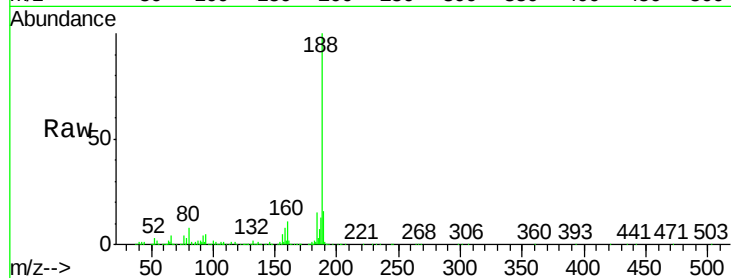
Tgt Ion:188 Resp: 400612

Ion Ratio Lower Upper

188 100

94 5.2 5.8 8.8#

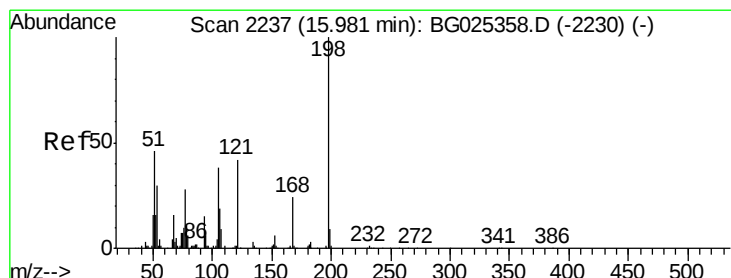
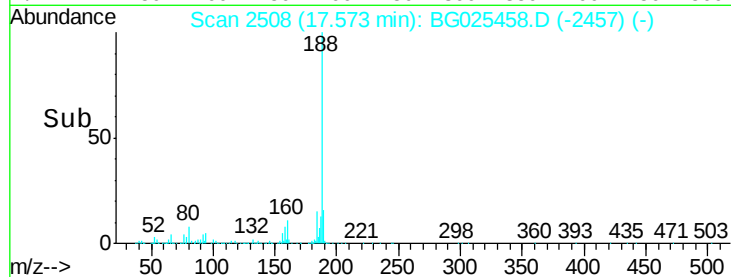
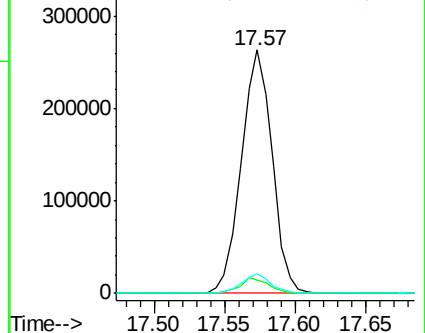
80 8.3 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 45.05 ng

RT: 15.97 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

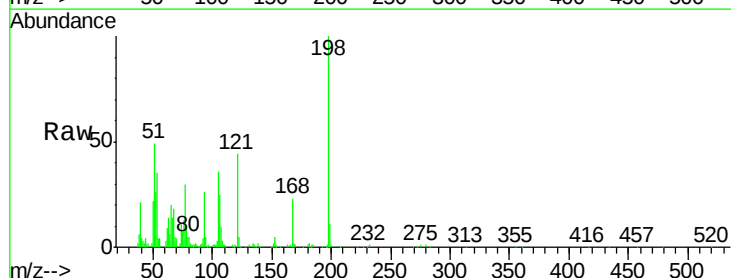
Tgt Ion:198 Resp: 124979

Ion Ratio Lower Upper

198 100

51 48.9 22.6 62.6

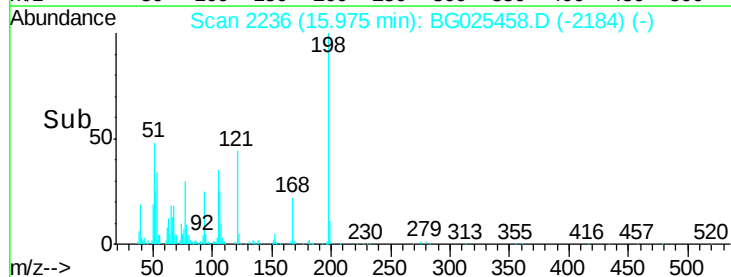
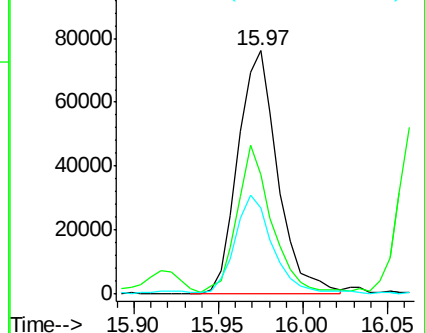
105 35.5 14.4 54.4

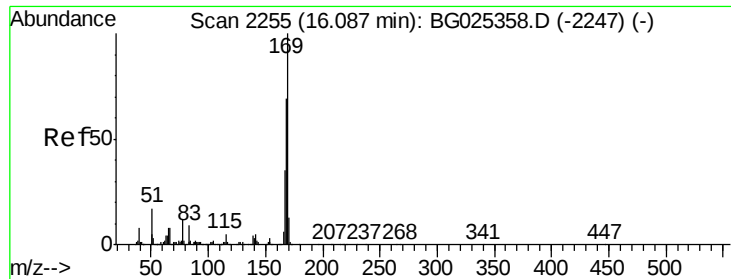


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

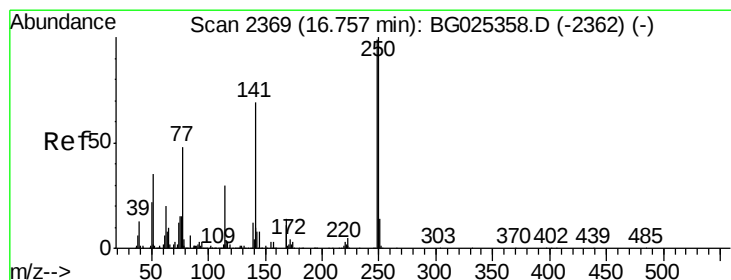
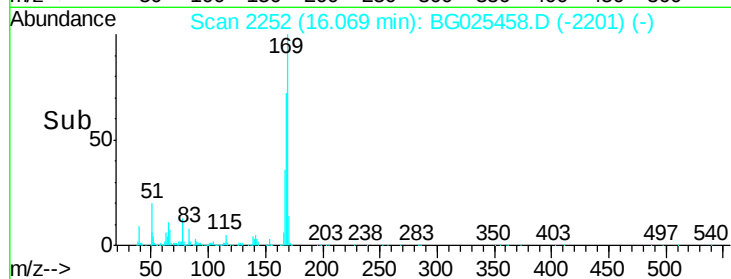
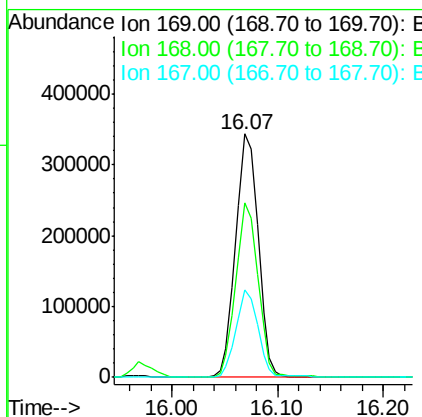
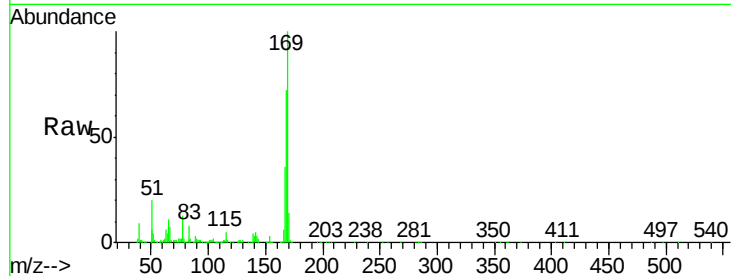




#65  
 n-Nitrosodiphenylamine  
 Concen: 46.80 ng  
 RT: 16.07 min Scan# 2252  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

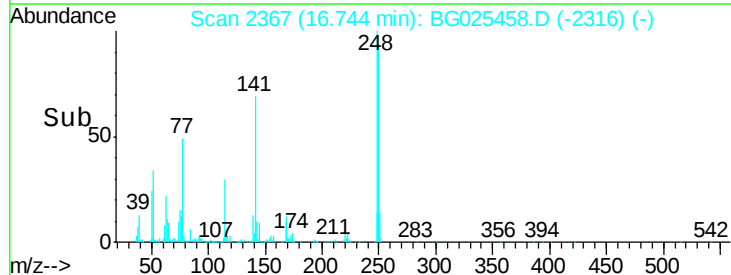
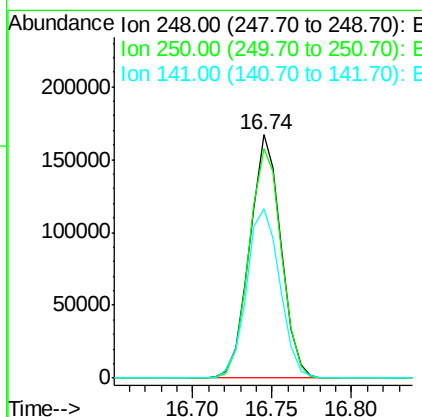
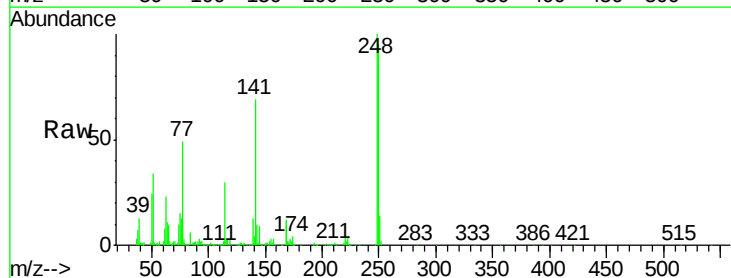
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

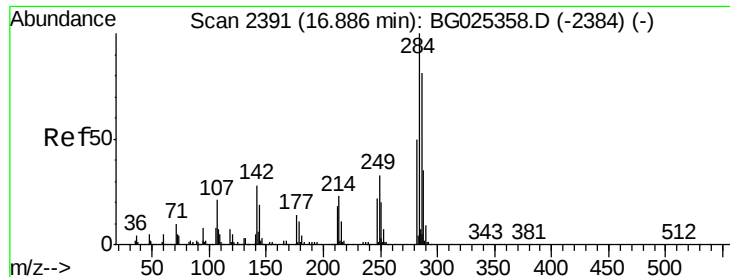
Tgt Ion:169 Resp: 506805  
 Ion Ratio Lower Upper  
 169 100  
 168 71.7 55.7 83.5  
 167 35.7 29.8 44.6



#66  
 4-Bromophenyl-phenylether  
 Concen: 46.39 ng  
 RT: 16.74 min Scan# 2367  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

Tgt Ion:248 Resp: 229300  
 Ion Ratio Lower Upper  
 248 100  
 250 94.5 75.0 112.6  
 141 69.5 55.2 82.8

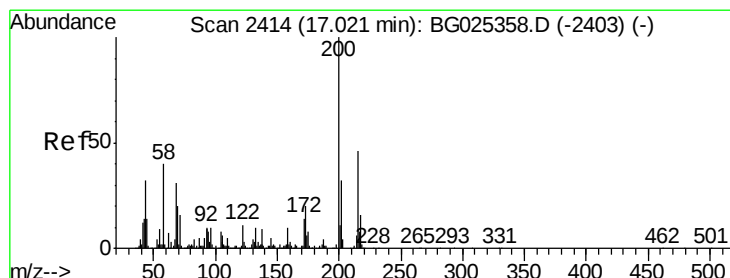
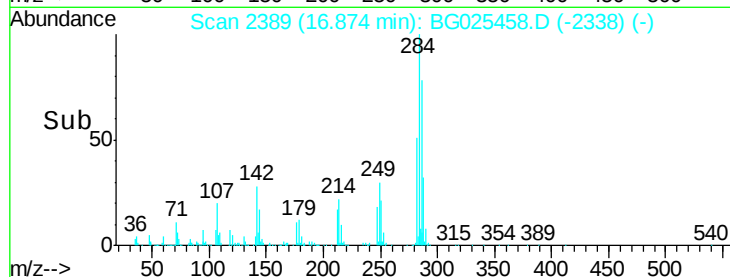
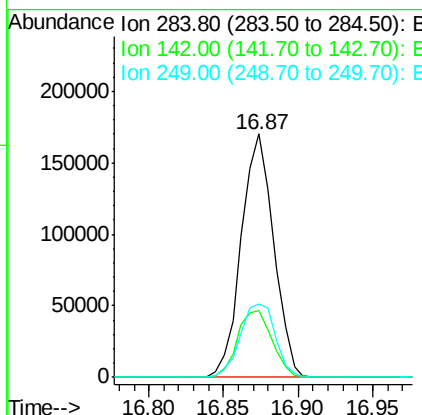
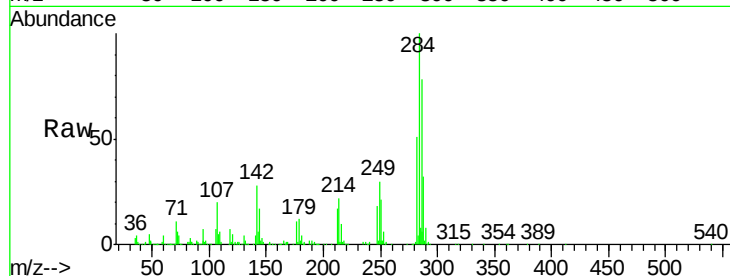




#67  
Hexachlorobenzene  
Concen: 45.09 ng  
RT: 16.87 min Scan# 2389  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

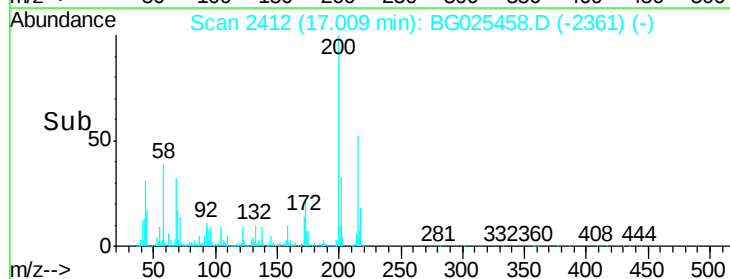
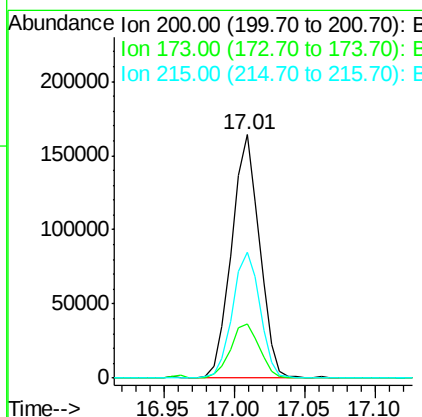
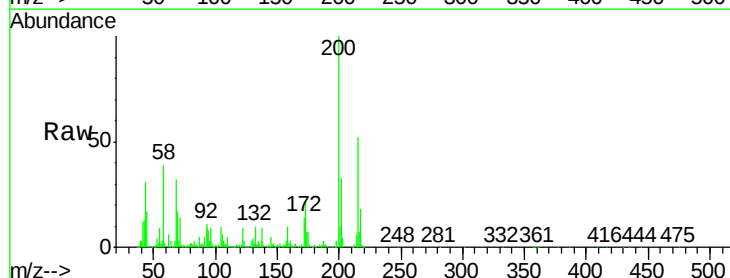
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

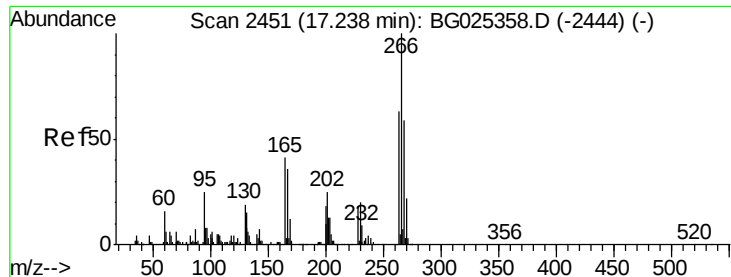
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 27.7  | 29.9  | 44.9# |
| 249     | 30.2  | 29.2  | 43.8  |



#68  
Atrazine  
Concen: 47.78 ng  
RT: 17.01 min Scan# 2412  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 22.4  | 3.0   | 43.0  |
| 215     | 51.6  | 28.4  | 68.4  |





#69

Pentachlorophenol

Concen: 84.82 ng

RT: 17.23 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

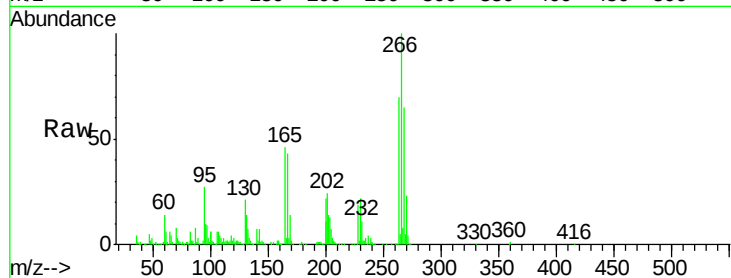
Tgt Ion:266 Resp: 249380

Ion Ratio Lower Upper

266 100

268 65.4 48.6 72.8

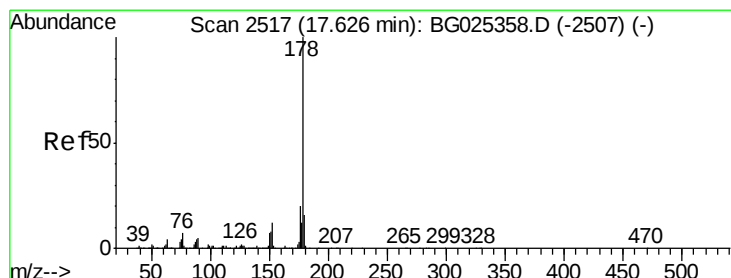
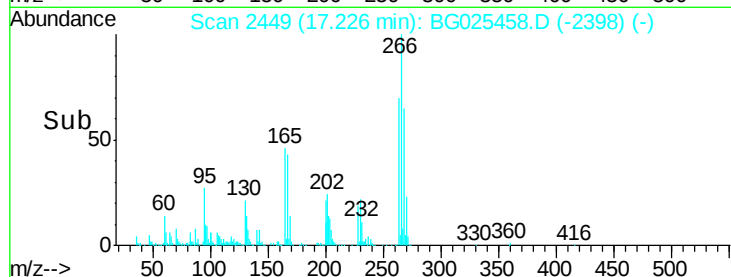
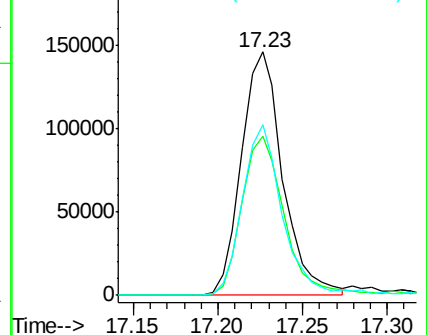
264 69.8 50.1 75.1



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: 46.67 ng

RT: 17.61 min Scan# 2515

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

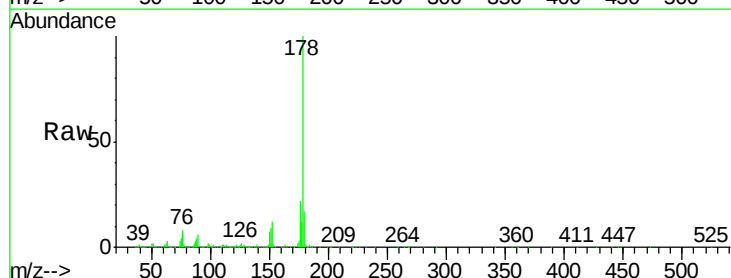
Tgt Ion:178 Resp: 963503

Ion Ratio Lower Upper

178 100

176 21.9 17.7 26.5

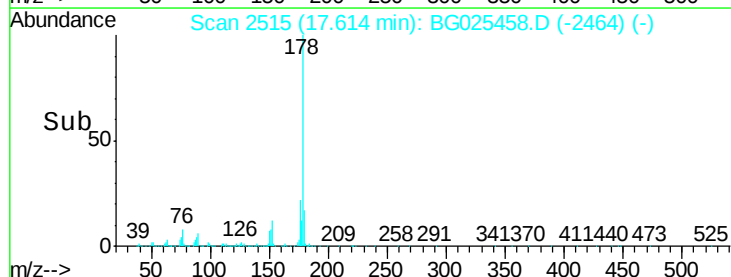
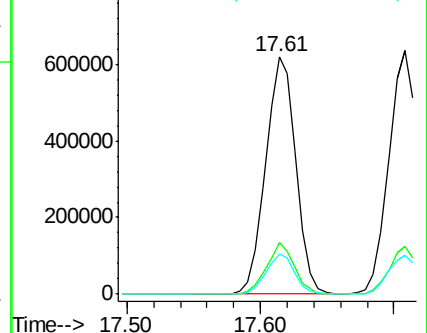
179 16.7 15.0 22.6

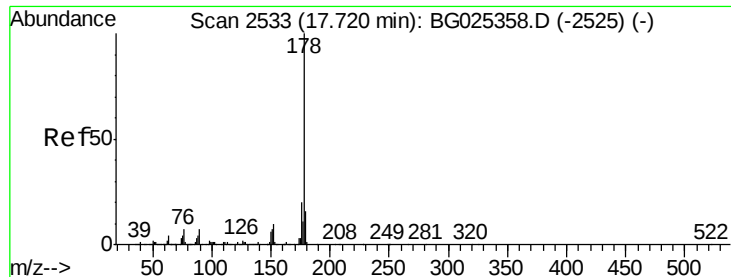


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

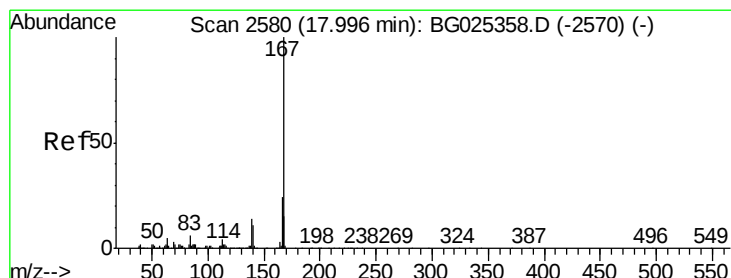
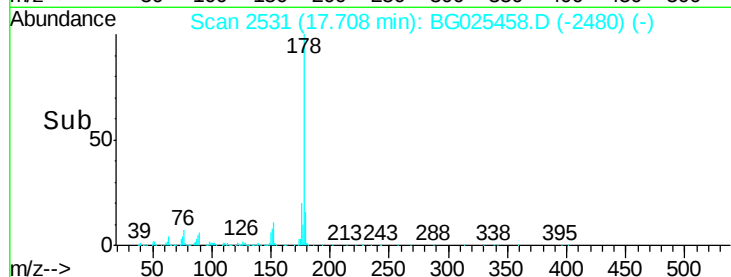
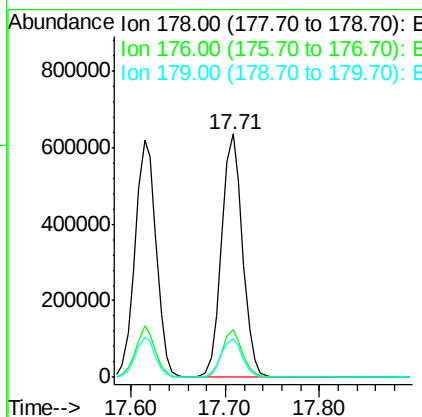
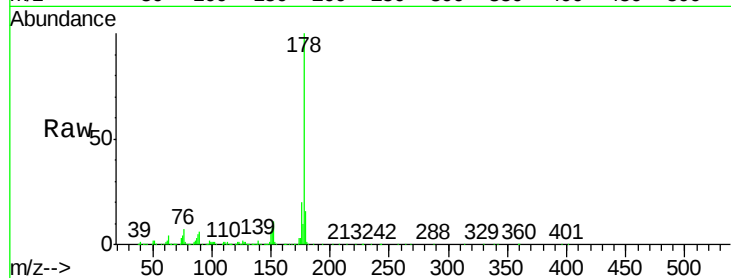




#71  
 Anthracene  
 Concen: 46.92 ng  
 RT: 17.71 min Scan# 2531  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

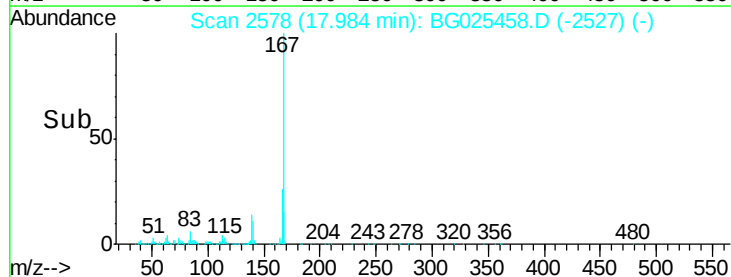
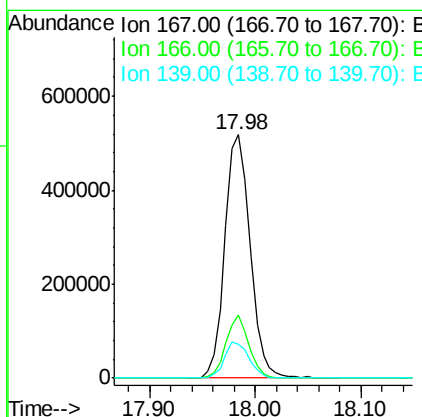
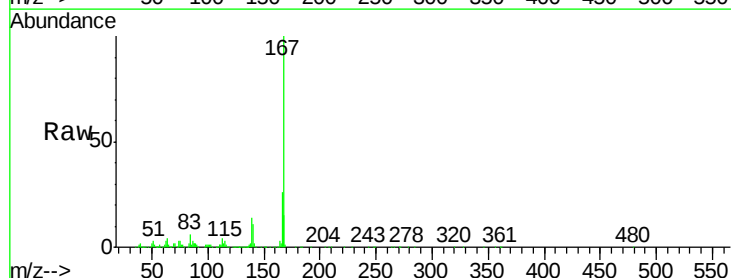
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

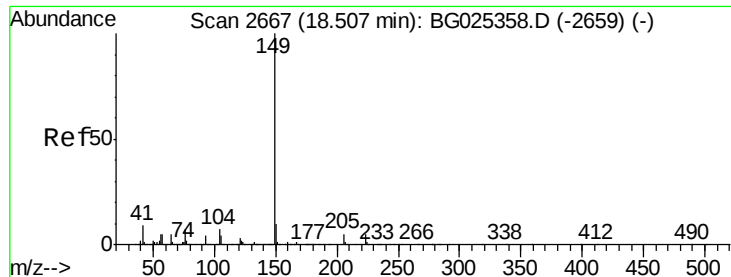
Tgt Ion:178 Resp: 984114  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.4 24.6  
 179 16.0 13.8 20.8



#72  
 Carbazole  
 Concen: 45.91 ng  
 RT: 17.98 min Scan# 2578  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

Tgt Ion:167 Resp: 861430  
 Ion Ratio Lower Upper  
 167 100  
 166 25.9 20.2 30.2  
 139 14.0 12.8 19.2





#73

Di-n-butylphthalate

Concen: 46.11 ng

RT: 18.50 min Scan# 2665

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

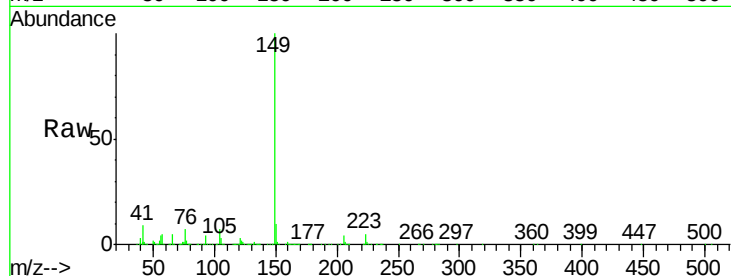
Tgt Ion:149 Resp: 1064440

Ion Ratio Lower Upper

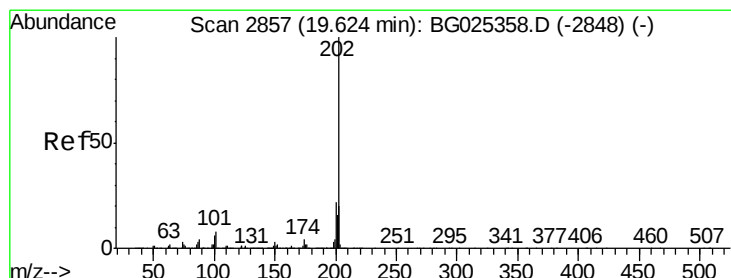
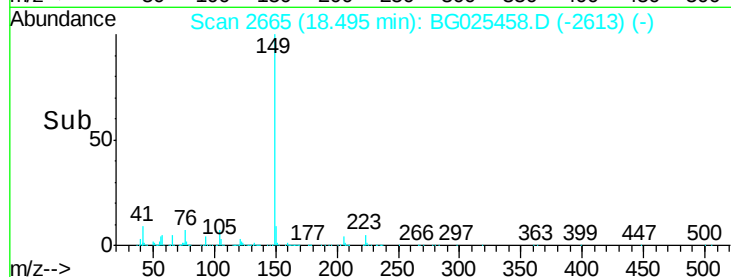
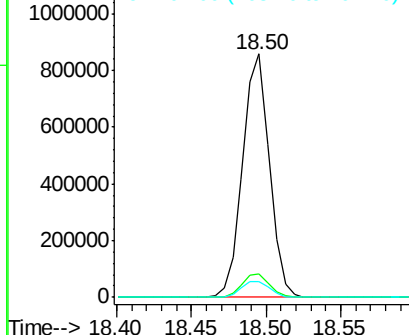
149 100

150 9.5 9.1 13.7

104 6.7 6.7 10.1#



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



#74

Fluoranthene

Concen: 47.31 ng

RT: 19.61 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

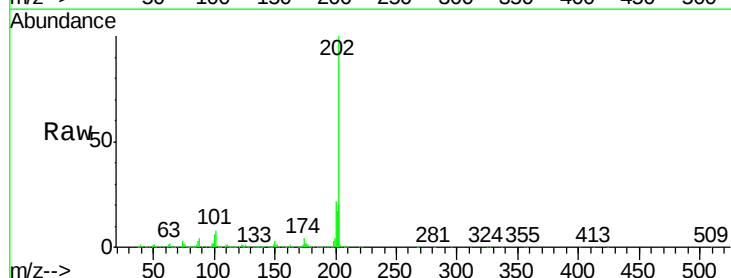
Tgt Ion:202 Resp: 1290004

Ion Ratio Lower Upper

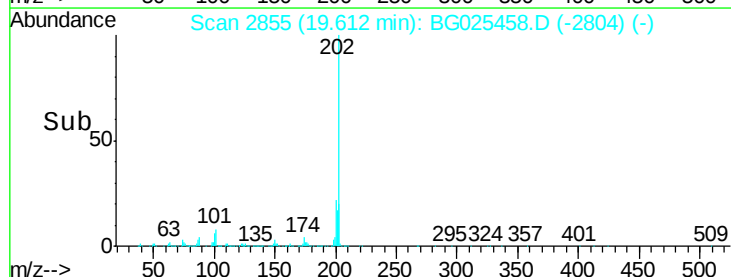
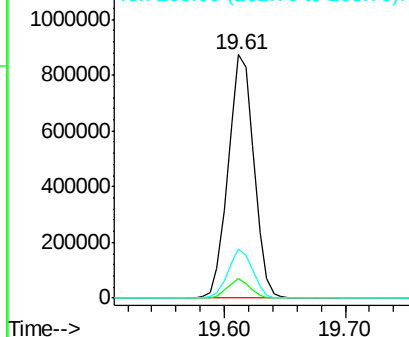
202 100

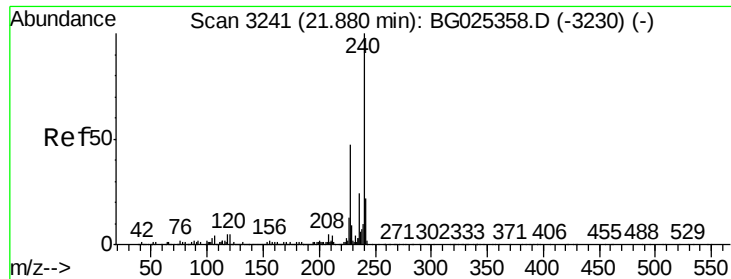
101 7.9 0.0 30.1

203 20.2 1.3 41.3



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

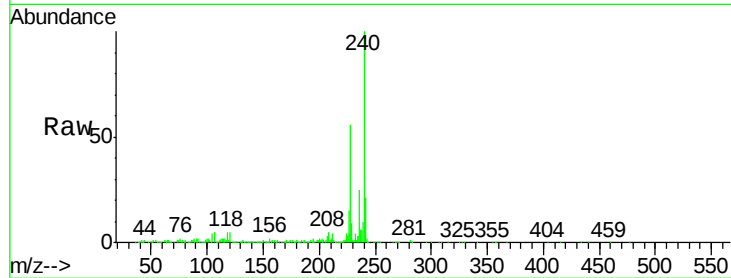
Tgt Ion:240 Resp: 594878

Ion Ratio Lower Upper

240 100

120 4.8 5.7 8.5#

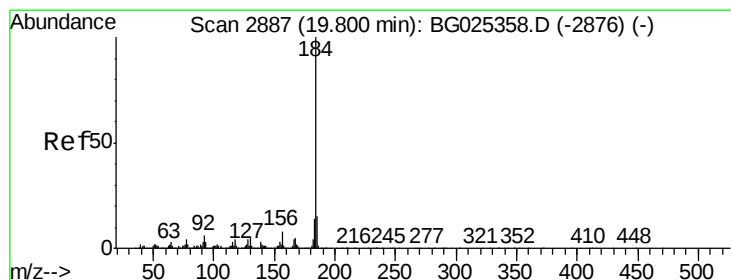
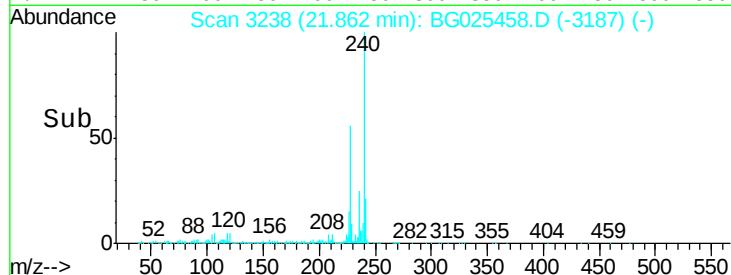
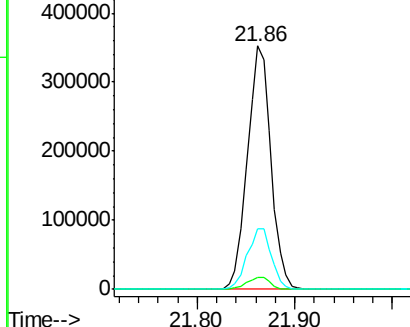
236 25.0 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 29.16 ng

RT: 19.79 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

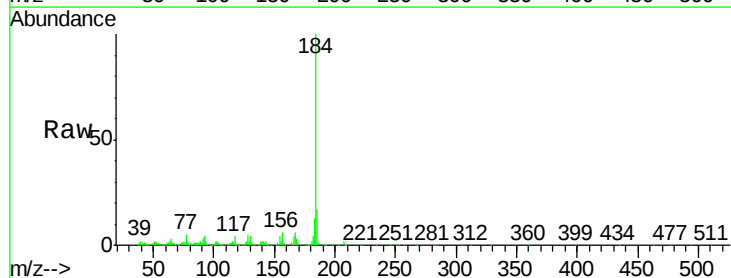
Tgt Ion:184 Resp: 432759

Ion Ratio Lower Upper

184 100

185 16.8 13.0 19.6

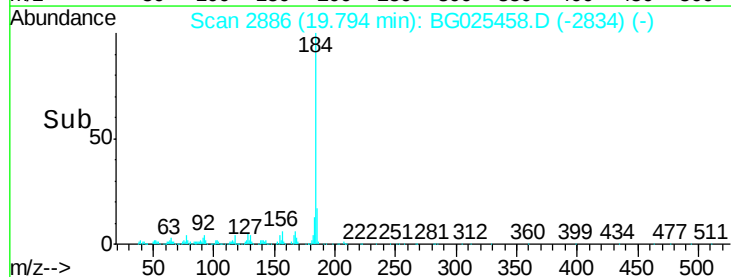
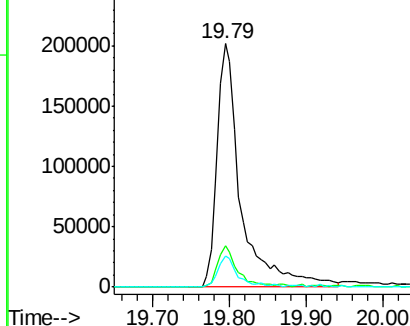
183 12.7 11.0 16.6

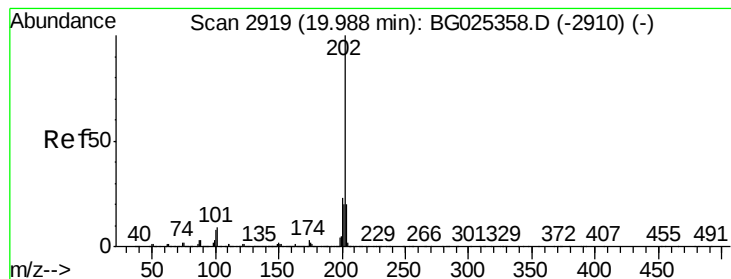


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 42.46 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

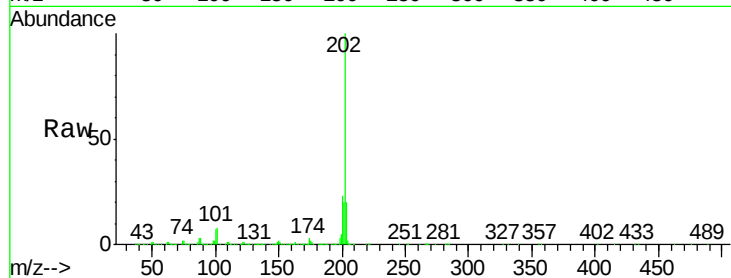
Tgt Ion:202 Resp: 1319978

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 23.0  | 19.6  | 29.4  |
| 203 | 19.8  | 15.8  | 23.8  |

202 100

200 23.0 19.6 29.4

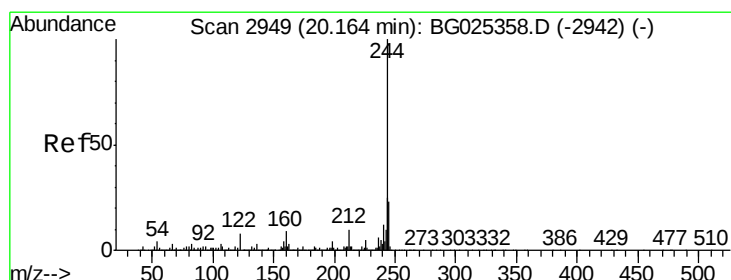
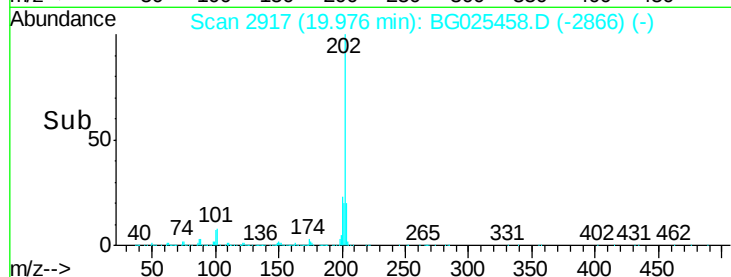
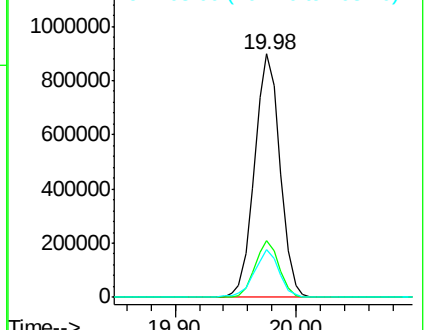
203 19.8 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 88.60 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

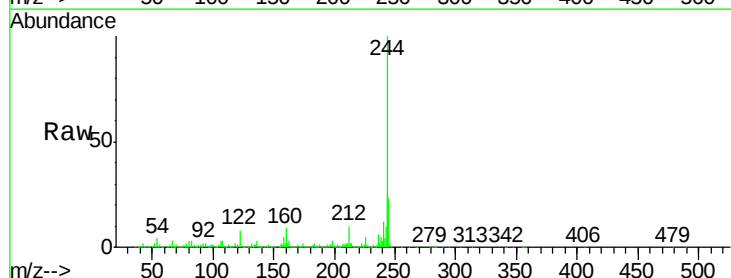
Tgt Ion:244 Resp: 1987788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.2  | 10.0  | 15.0  |
| 122 | 8.2   | 8.6   | 12.8  |

244 100

212 10.2 10.0 15.0

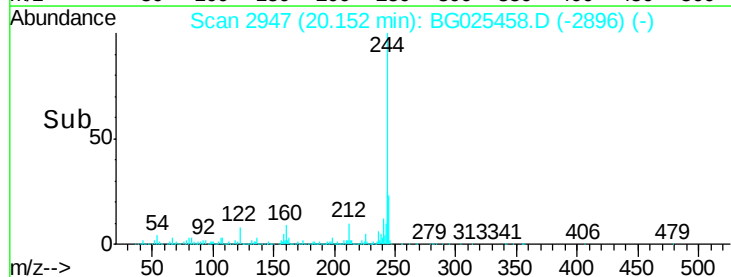
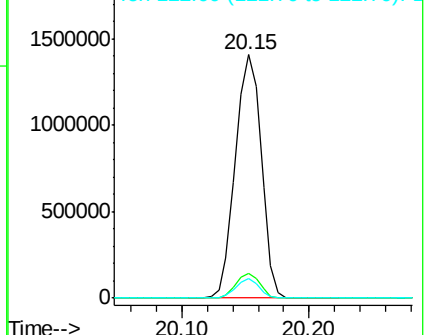
122 8.2 8.6 12.8

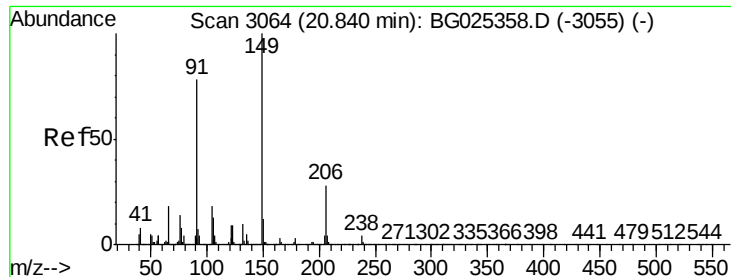


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 44.72 ng

RT: 20.82 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampled :

PB95862BS

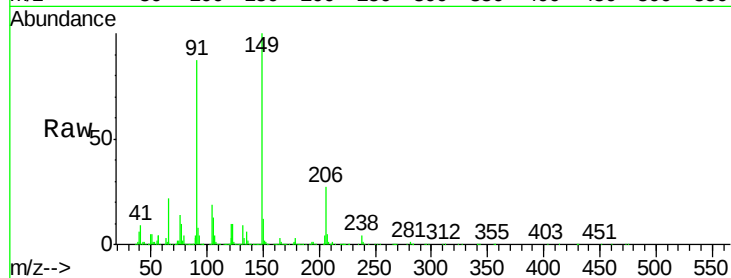
Tgt Ion:149 Resp: 558302

Ion Ratio Lower Upper

149 100

91 86.8 63.5 95.3

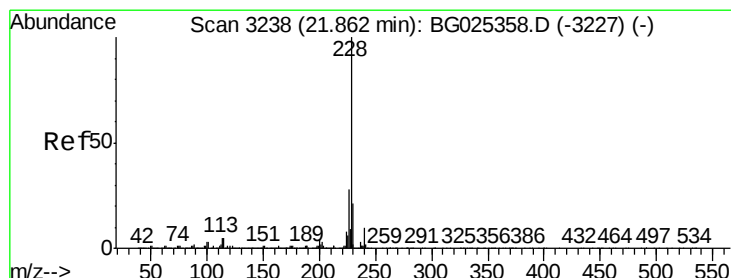
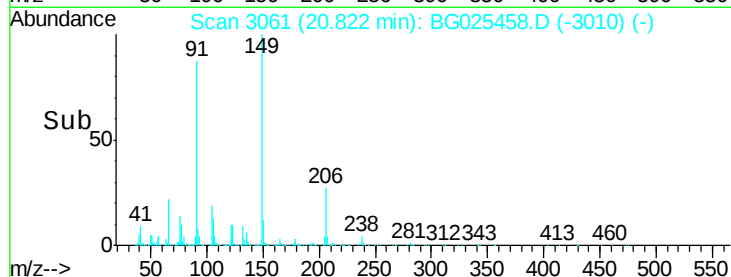
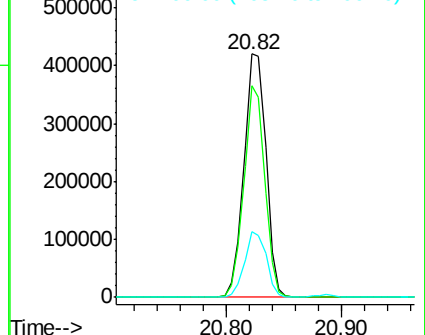
206 26.7 21.0 31.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.31 ng

RT: 21.84 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

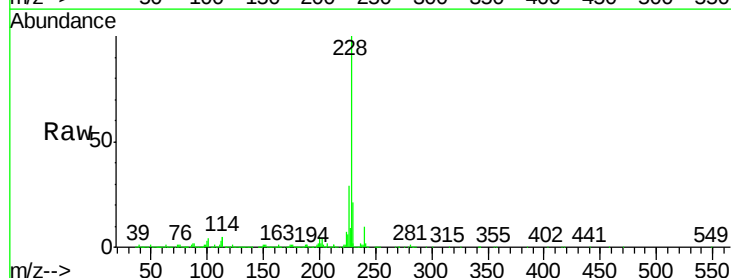
Tgt Ion:228 Resp: 1503359

Ion Ratio Lower Upper

228 100

226 28.5 24.9 37.3

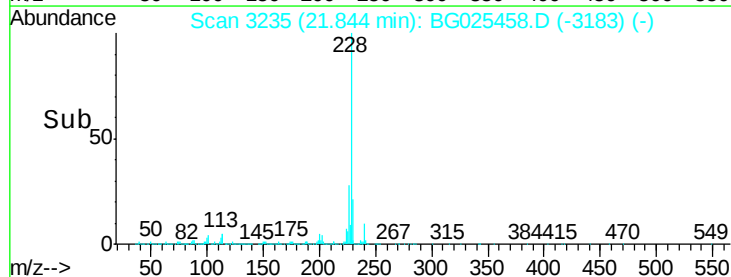
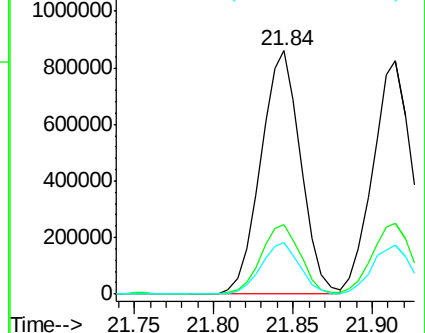
229 21.3 18.2 27.2

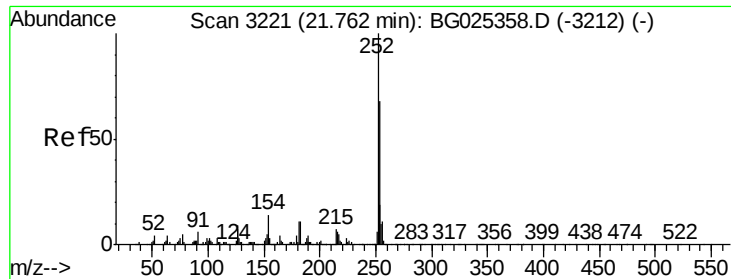


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

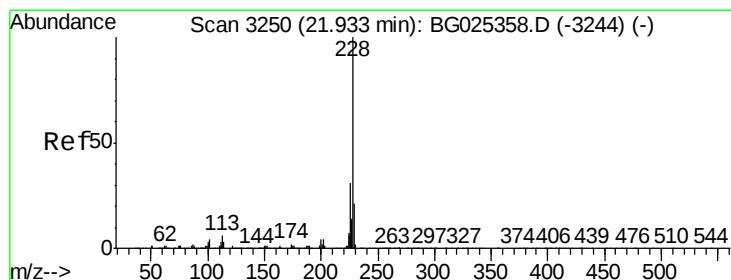
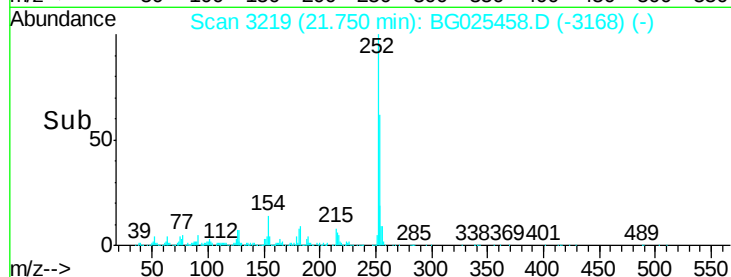
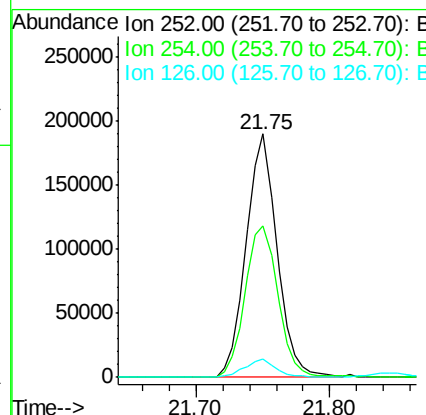
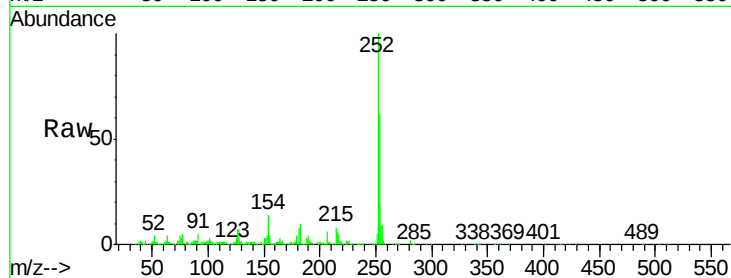




#81  
 3,3'-Dichlorobenzidine  
 Concen: 23.53 ng  
 RT: 21.75 min Scan# 3219  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

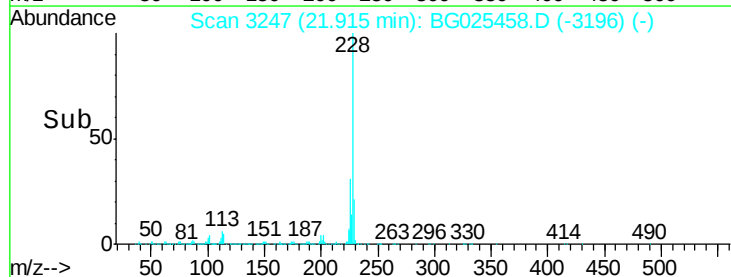
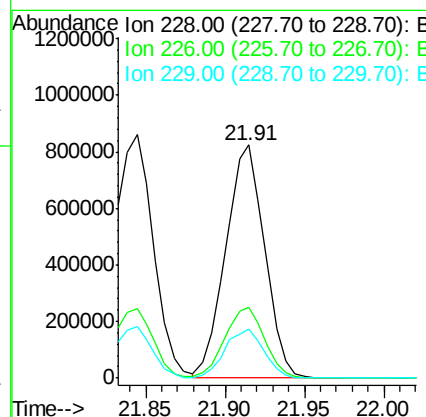
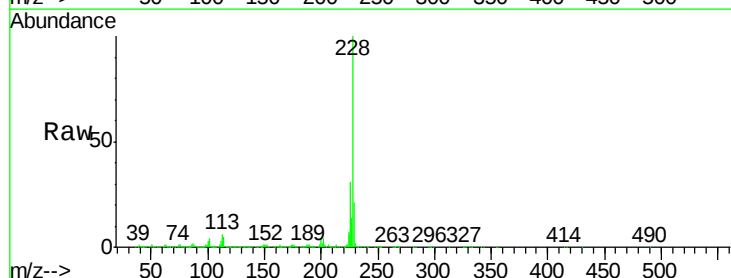
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

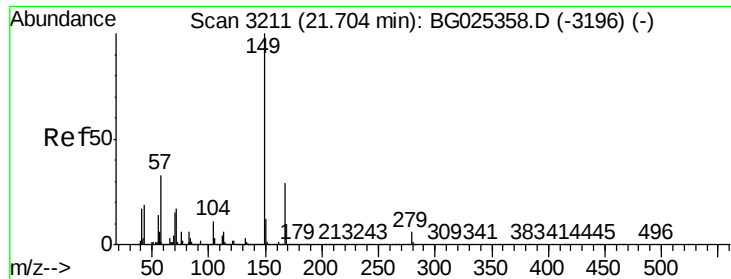
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.1  | 53.1  | 79.7  |
| 126     | 7.4   | 7.0   | 10.4  |



#82  
 Chrysene  
 Concen: 43.99 ng  
 RT: 21.91 min Scan# 3247  
 Delta R.T. -0.00 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.6  | 27.0  | 40.4  |
| 229     | 21.0  | 17.8  | 26.6  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.19 ng

RT: 21.69 min Scan# 3208

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

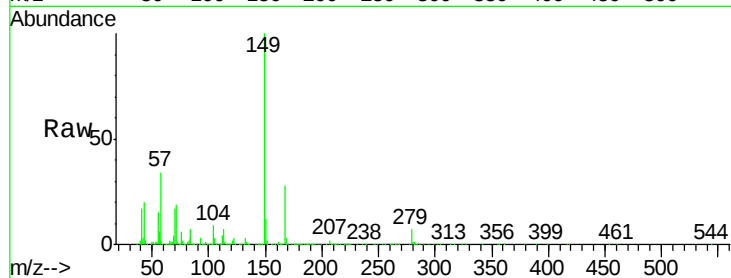
Tgt Ion:149 Resp: 802519

Ion Ratio Lower Upper

149 100

167 28.1 23.7 35.5

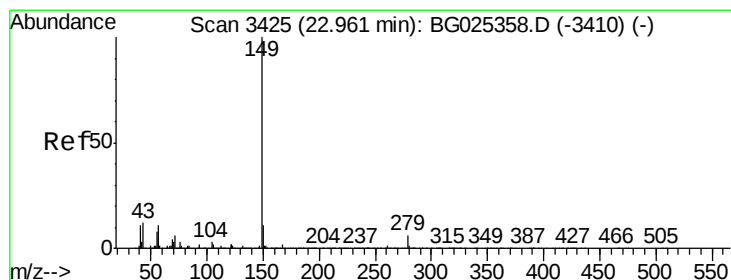
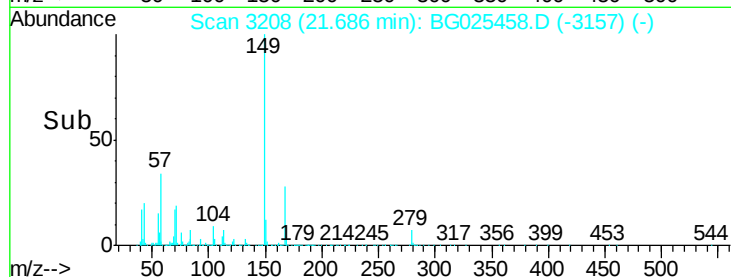
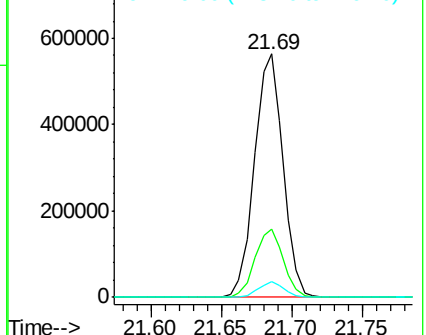
279 6.5 4.6 6.8



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: 48.18 ng

RT: 22.94 min Scan# 3421

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

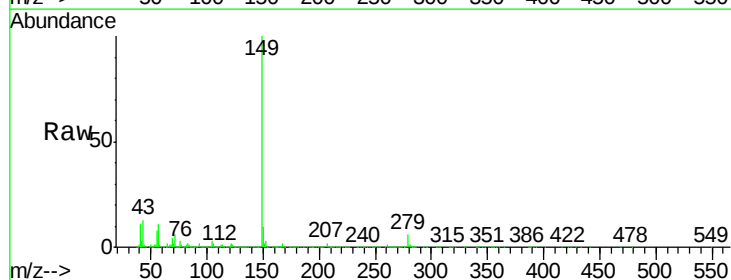
Tgt Ion:149 Resp: 1389706

Ion Ratio Lower Upper

149 100

167 2.0 1.4 2.2

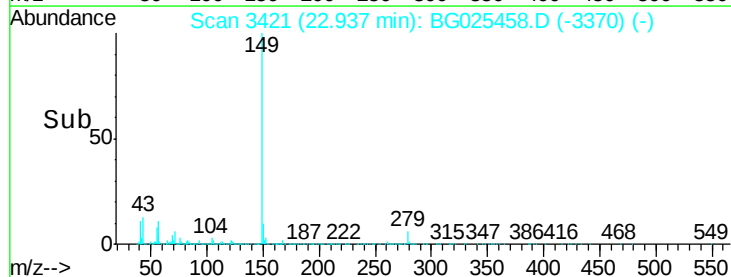
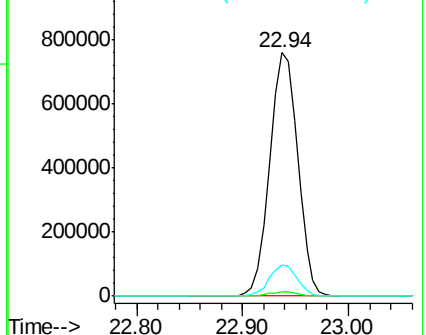
43 12.5 11.8 17.6

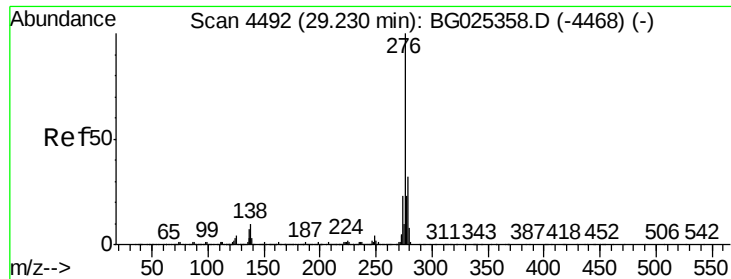


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 47.65 ng

RT: 29.19 min Scan# 4485

Delta R.T. -0.01 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

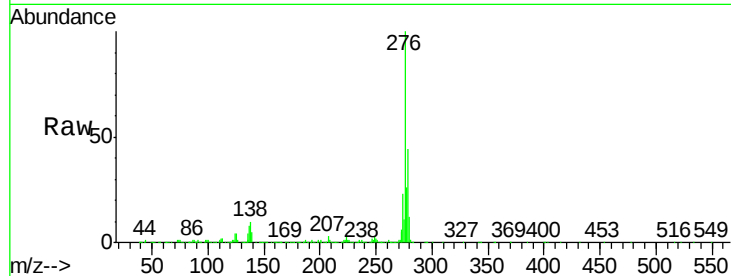
Tgt Ion:276 Resp: 1927436

Ion Ratio Lower Upper

276 100

138 4.7 4.7 7.1

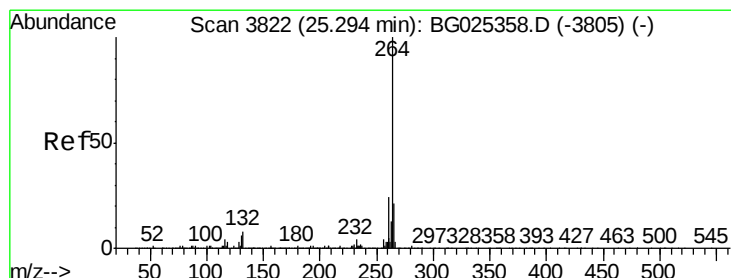
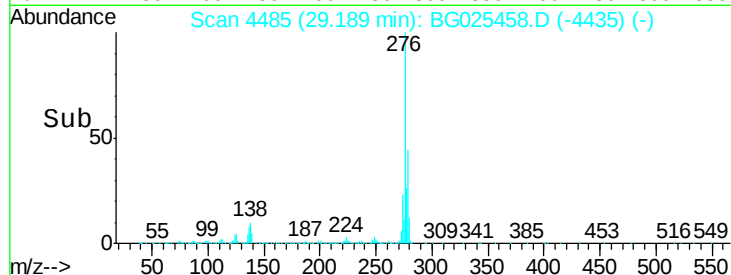
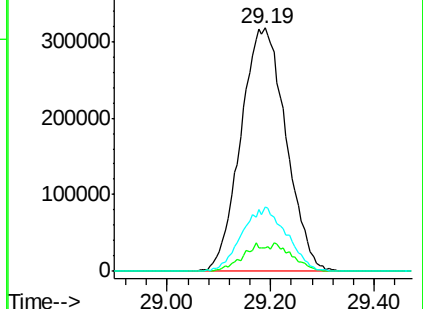
277 26.2 20.6 31.0



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: 25.26 min Scan# 3816

Delta R.T. -0.01 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

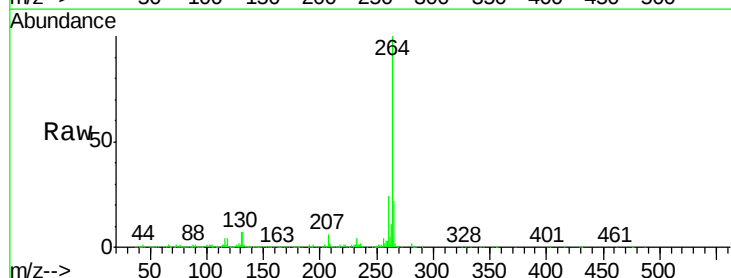
Tgt Ion:264 Resp: 642798

Ion Ratio Lower Upper

264 100

260 23.7 21.8 32.8

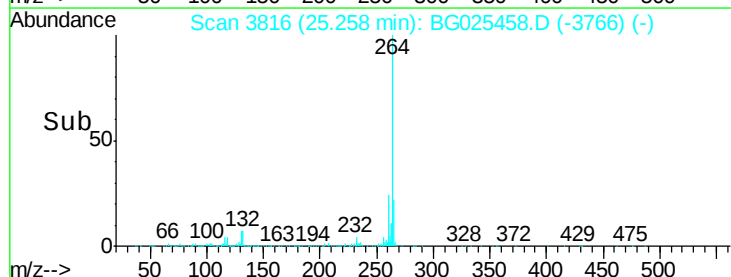
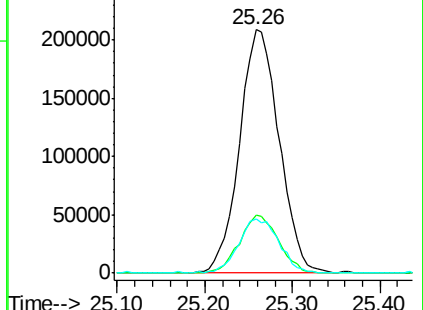
265 22.3 18.2 27.4

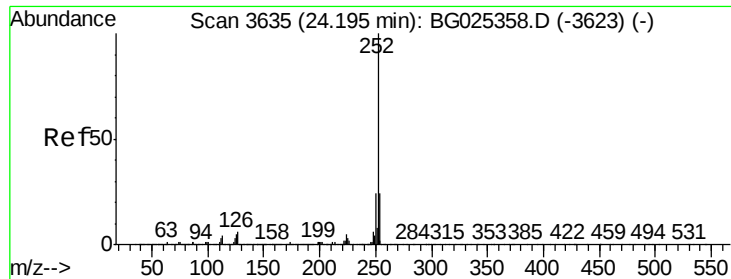


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

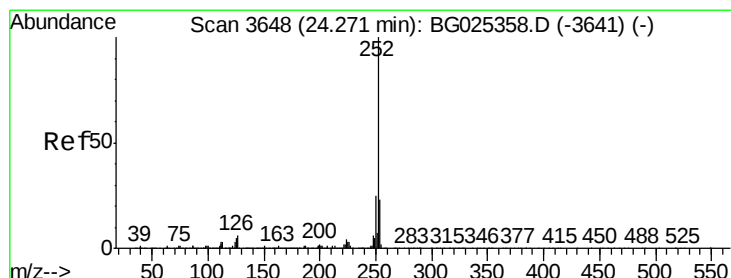
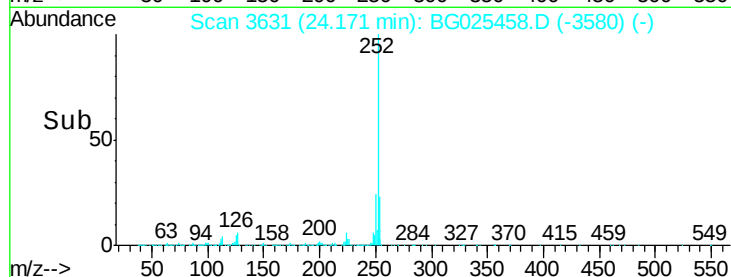
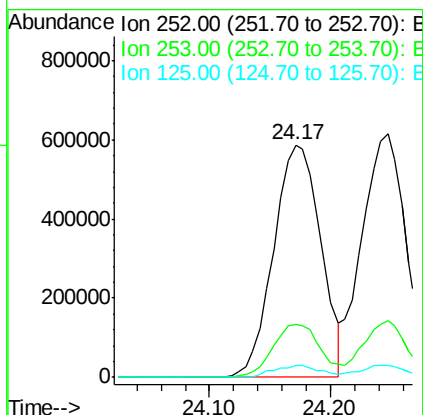
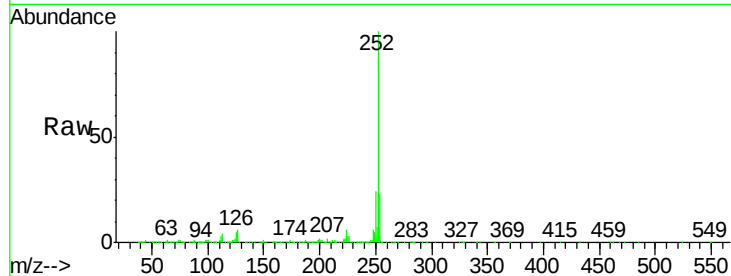




#87  
Benzo(b)fluoranthene  
Concen: 45.21 ng  
RT: 24.17 min Scan# 3631  
Delta R.T. -0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

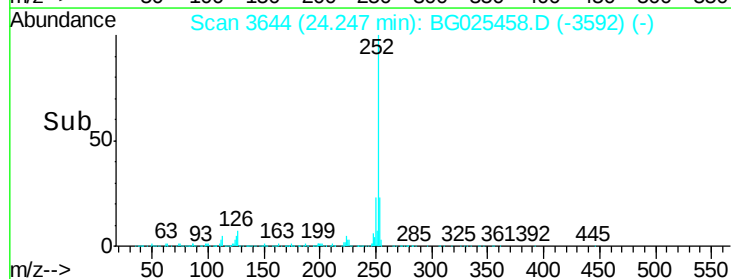
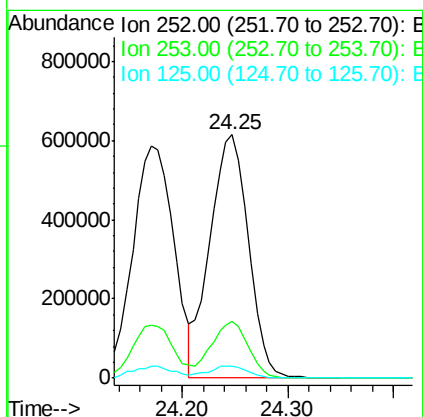
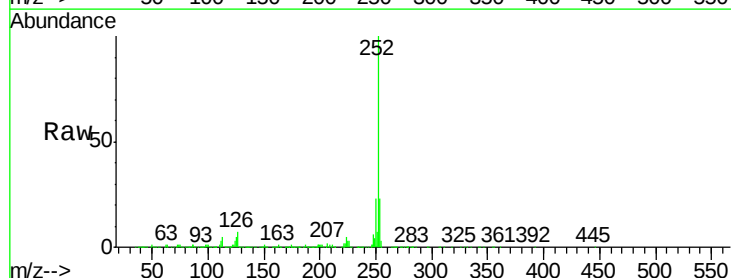
Instrument :  
BNA\_G  
ClientSampleId :  
PB95862BS

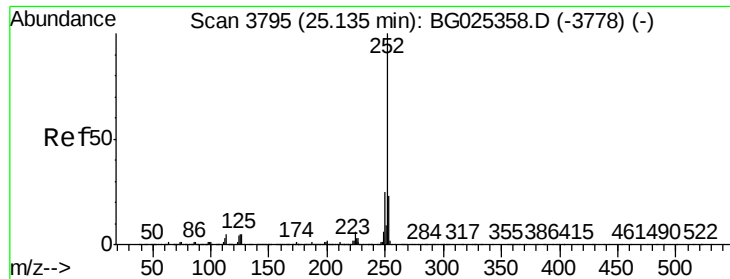
Tgt Ion:252 Resp: 1585444  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.7 28.1  
125 5.1 5.3 7.9#



#88  
Benzo(k)fluoranthene  
Concen: 45.89 ng  
RT: 24.25 min Scan# 3644  
Delta R.T. 0.00 min  
Lab File: BG025458.D  
Acq: 10 Jan 2017 19:03

Tgt Ion:252 Resp: 1554432  
Ion Ratio Lower Upper  
252 100  
253 23.3 20.2 30.2  
125 4.8 5.1 7.7#





#89

Benzo(a)pyrene

Concen: 45.69 ng

RT: 25.10 min Scan# 3789

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

Instrument :

BNA\_G

ClientSampleId :

PB95862BS

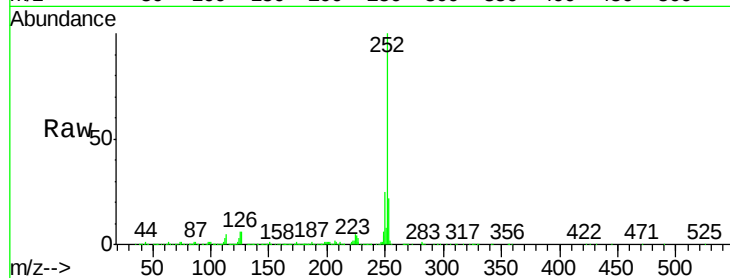
Tgt Ion:252 Resp: 1547664

Ion Ratio Lower Upper

252 100

253 22.0 19.2 28.8

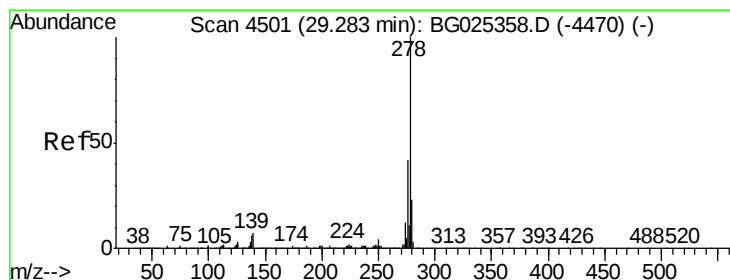
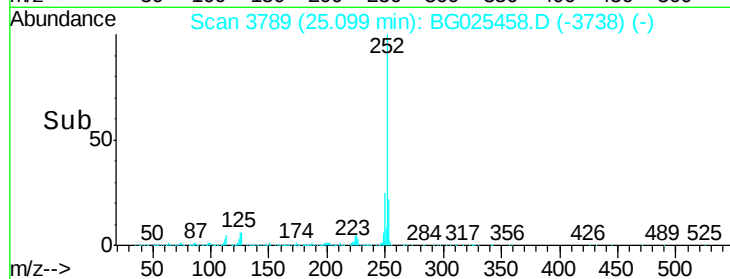
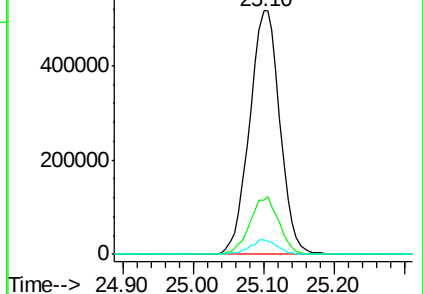
125 5.7 5.4 8.0



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



#90

Dibenzo(a,h)anthracene

Concen: 45.63 ng

RT: 29.23 min Scan# 4492

Delta R.T. -0.00 min

Lab File: BG025458.D

Acq: 10 Jan 2017 19:03

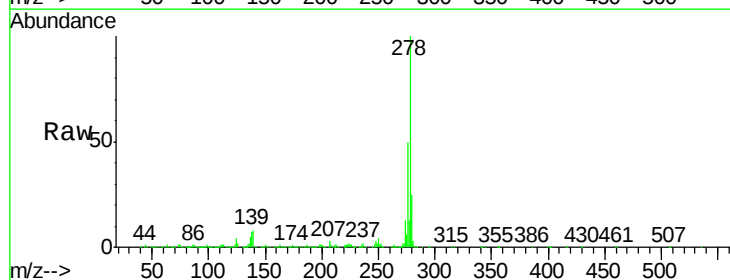
Tgt Ion:278 Resp: 1638068

Ion Ratio Lower Upper

278 100

139 8.5 7.7 11.5

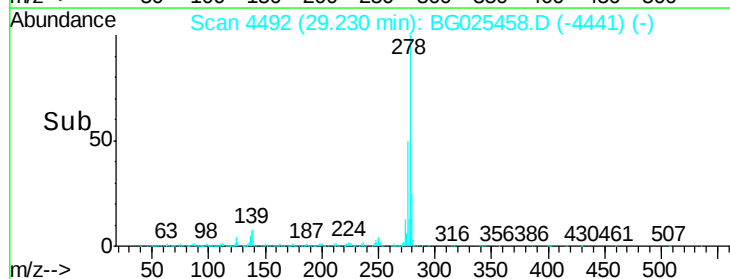
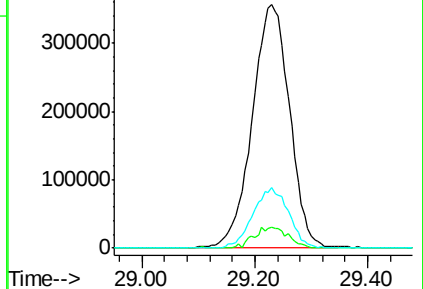
279 25.0 19.1 28.7

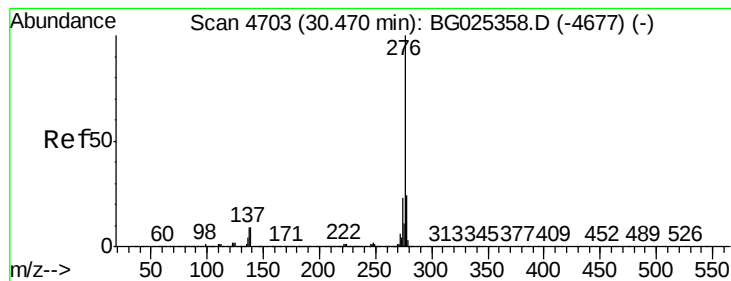


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

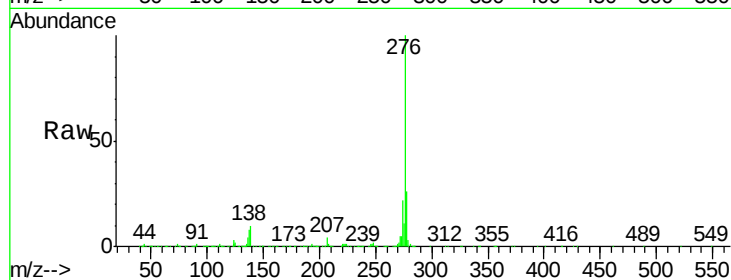




#91  
 Benzo(g,h,i)perylene  
 Concen: 45.21 ng  
 RT: 30.41 min Scan# 4693  
 Delta R.T. -0.01 min  
 Lab File: BG025458.D  
 Acq: 10 Jan 2017 19:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95862BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 276   | Resp: | 1613005 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 277      | 26.1  | 18.6  | 27.8    |
| 138      | 10.5  | 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

