

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071715\  
 Data File : BG017931.D  
 Acq On : 17 Jul 2015 18:38  
 Operator : TP/UM  
 Sample : PB84519BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Quant Time: Jul 18 02:30:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 93422    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.37 | 136  | 422356   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.24 | 164  | 256596   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 16.99 | 188  | 549165   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.20 | 240  | 580585   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.41 | 264  | 556643   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.19  | 112 | 501082  | 93.57 | ng | 0.00 |
| 7) Phenol-d6             | 6.77  | 99  | 656877  | 93.62 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.74  | 82  | 559192  | 85.75 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.74 | 330 | 219086  | 84.27 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.86 | 172 | 1287999 | 86.99 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.64 | 244 | 1819819 | 78.96 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 80918  | 34.38 | ng | 94     |
| 3) Pyridine                    | 3.52  | 79  | 226379 | 35.99 | ng | # 87   |
| 4) n-Nitrosodimethylamine      | 3.45  | 42  | 93248  | 39.05 | ng | # 66   |
| 6) Aniline                     | 6.92  | 93  | 268604 | 28.71 | ng | 96     |
| 8) 2-Chlorophenol              | 7.15  | 128 | 281811 | 44.64 | ng | 98     |
| 9) Benzaldehyde                | 6.73  | 77  | 92519  | 21.52 | ng | 94     |
| 10) Phenol                     | 6.79  | 94  | 336663 | 44.96 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 7.02  | 93  | 244559 | 41.75 | ng | 95     |
| 12) 1,3-Dichlorobenzene        | 7.48  | 146 | 277284 | 40.00 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 7.62  | 146 | 280357 | 39.45 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.93  | 146 | 272669 | 40.16 | ng | 99     |
| 15) Benzyl Alcohol             | 7.83  | 79  | 224958 | 43.35 | ng | 91     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 285961 | 40.53 | ng | 94     |
| 17) 2-Methylphenol             | 8.03  | 107 | 226013 | 43.29 | ng | 96     |
| 18) Hexachloroethane           | 8.65  | 117 | 104826 | 39.05 | ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 8.39  | 70  | 196144 | 38.29 | ng | # 88   |
| 20) 3+4-Methylphenols          | 8.36  | 107 | 304253 | 43.06 | ng | 97     |
| 22) Acetophenone               | 8.40  | 105 | 354819 | 38.89 | ng | # 92   |
| 24) Nitrobenzene               | 8.78  | 77  | 283007 | 40.73 | ng | 92     |
| 25) Isophorone                 | 9.30  | 82  | 536536 | 39.23 | ng | 98     |
| 26) 2-Nitrophenol              | 9.49  | 139 | 133222 | 40.19 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 9.56  | 122 | 262794 | 43.58 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.79  | 93  | 306649 | 40.24 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.02 | 162 | 249845 | 46.51 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.23 | 180 | 249838 | 39.14 | ng | 98     |
| 31) Naphthalene                | 10.41 | 128 | 817611 | 39.55 | ng | 98     |
| 32) Benzoic acid               | 9.70  | 122 | 89374  | 41.76 | ng | 85     |
| 33) 4-Chloroaniline            | 10.53 | 127 | 167950 | 18.23 | ng | 95     |
| 34) Hexachlorobutadiene        | 10.70 | 225 | 141450 | 39.33 | ng | 98     |
| 35) Caprolactam                | 11.30 | 113 | 53431  | 19.57 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 11.67 | 107 | 273230 | 44.80 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.04 | 142 | 595861 | 40.16 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.42 | 216 | 265581 | 38.61 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.40 | 237 | 335438 | 89.43 | ng | 97     |

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 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

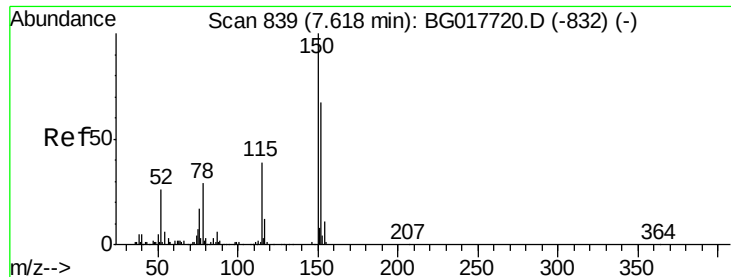
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Quant Time: Jul 18 02:30:01 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.66 | 196  | 183337   | 40.99 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.73 | 196  | 203965   | 43.85 | ng    | 96       |
| 45) 1,1'-Biphenyl              | 13.07 | 154  | 731930   | 40.74 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 13.10 | 162  | 586054   | 40.25 | ng    | 96       |
| 47) 2-Nitroaniline             | 13.32 | 65   | 164804   | 42.16 | ng    | 86       |
| 48) Acenaphthylene             | 13.96 | 152  | 976720   | 40.23 | ng    | 99       |
| 49) Dimethylphthalate          | 13.71 | 163  | 747831   | 41.96 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.83 | 165  | 171542   | 42.47 | ng    | # 90     |
| 51) Acenaphthene               | 14.31 | 154  | 581828   | 39.57 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.16 | 138  | 113474   | 24.99 | ng    | 98       |
| 53) 2,4-Dinitrophenol          | 14.37 | 184  | 144753   | 69.72 | ng    | 95       |
| 54) Dibenzofuran               | 14.64 | 168  | 893354   | 42.11 | ng    | 100      |
| 55) 4-Nitrophenol              | 14.47 | 139  | 327261   | 91.11 | ng    | 87       |
| 56) 2,4-Dinitrotoluene         | 14.62 | 165  | 240682   | 44.43 | ng    | 92       |
| 57) Fluorene                   | 15.30 | 166  | 763366   | 41.86 | ng    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.87 | 232  | 176624   | 44.05 | ng    | 97       |
| 59) Diethylphthalate           | 15.08 | 149  | 786110   | 42.58 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.30 | 204  | 372130   | 41.62 | ng    | 99       |
| 61) 4-Nitroaniline             | 15.33 | 138  | 216018   | 40.61 | ng    | 93       |
| 62) Azobenzene                 | 15.59 | 77   | 730447   | 42.82 | ng    | 92       |
| 64) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 116936   | 42.32 | ng    | 88       |
| 65) n-Nitrosodiphenylamine     | 15.51 | 169  | 671518   | 40.67 | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.20 | 248  | 228912   | 41.60 | ng    | 94       |
| 67) Hexachlorobenzene          | 16.30 | 284  | 250285   | 40.98 | ng    | 98       |
| 68) Atrazine                   | 16.47 | 200  | 245109   | 45.19 | ng    | 99       |
| 69) Pentachlorophenol          | 16.65 | 266  | 283548   | 73.35 | ng    | 97       |
| 70) Phenanthrene               | 17.04 | 178  | 1165272  | 41.14 | ng    | 99       |
| 71) Anthracene                 | 17.13 | 178  | 1171448  | 42.50 | ng    | 97       |
| 72) Carbazole                  | 17.41 | 167  | 1096357  | 42.10 | ng    | 99       |
| 73) Di-n-butylphthalate        | 17.98 | 149  | 1380392  | 43.25 | ng    | 99       |
| 74) Fluoranthene               | 19.07 | 202  | 1302991  | 42.02 | ng    | 99       |
| 76) Benzidine                  | 19.26 | 184  | 361414   | 21.92 | ng    | 97       |
| 77) Pyrene                     | 19.43 | 202  | 1334309  | 41.21 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.35 | 149  | 649036   | 44.76 | ng    | 93       |
| 80) Benzo(a)anthracene         | 21.18 | 228  | 1254255  | 40.90 | ng    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 251109   | 22.58 | ng    | # 99     |
| 82) Chrysene                   | 21.24 | 228  | 1186154  | 40.61 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 890735   | 44.61 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.00 | 149  | 1434212  | 45.60 | ng    | # 92     |
| 85) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 1426731  | 40.40 | ng    | 100      |
| 87) Benzo(b)fluoranthene       | 22.75 | 252  | 1264132  | 41.51 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 22.79 | 252  | 1259150  | 41.40 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.32 | 252  | 1227937  | 43.27 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.68 | 278  | 1229977  | 41.80 | ng    | 100      |
| 91) Benzo(g,h,i)perylene       | 26.35 | 276  | 1184340  | 41.74 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.59 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

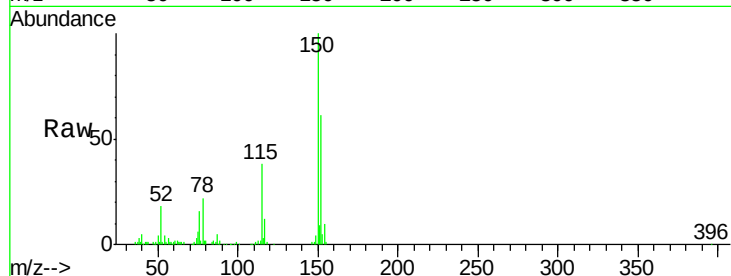
Tgt Ion:152 Resp: 93422

Ion Ratio Lower Upper

152 100

150 163.5 119.1 178.7

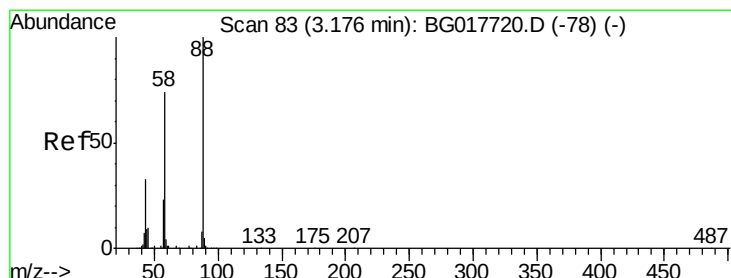
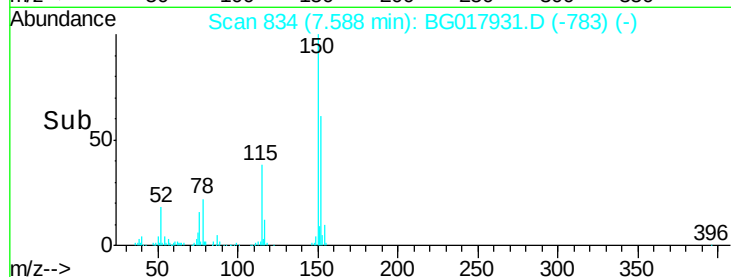
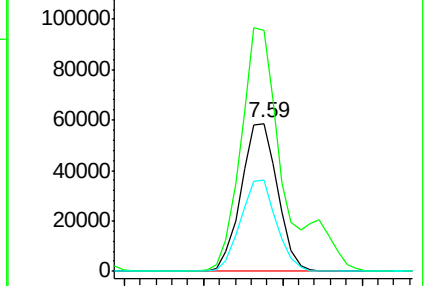
115 61.5 47.0 70.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.38 ng

RT: 3.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

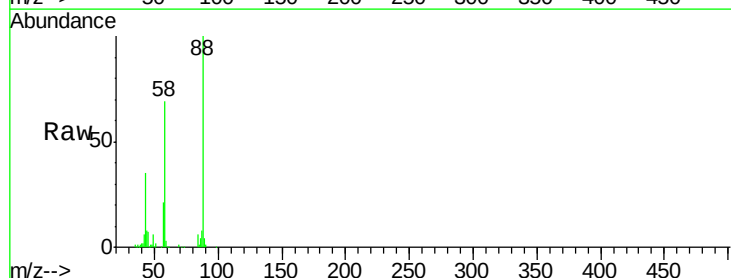
Tgt Ion: 88 Resp: 80918

Ion Ratio Lower Upper

88 100

58 66.8 55.8 83.8

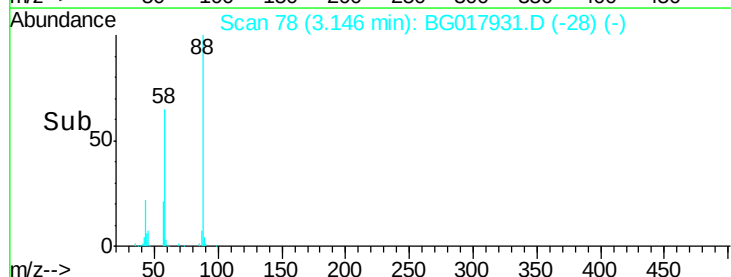
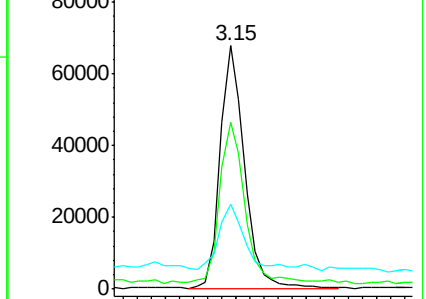
43 28.1 27.4 41.2

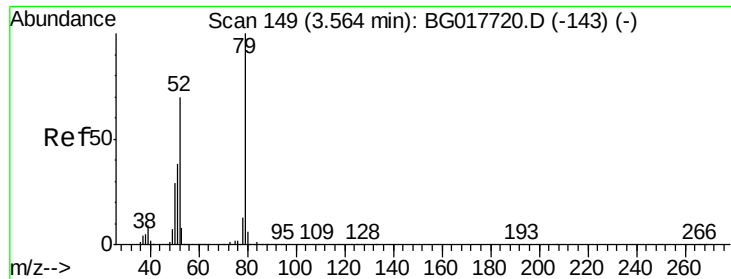


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 35.99 ng

RT: 3.52 min Scan# 142

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

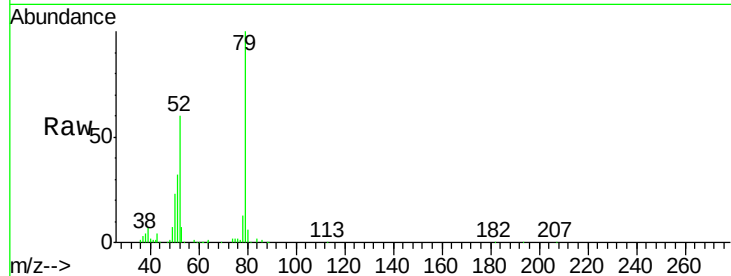
Tgt Ion: 79 Resp: 226379

Ion Ratio Lower Upper

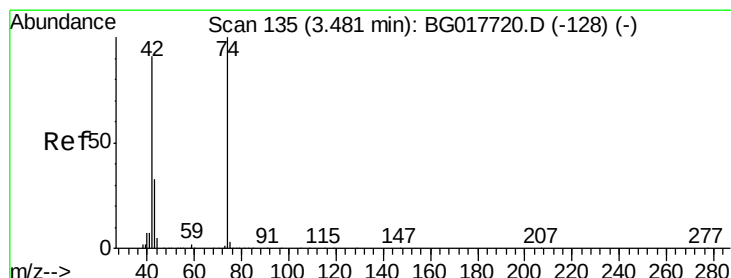
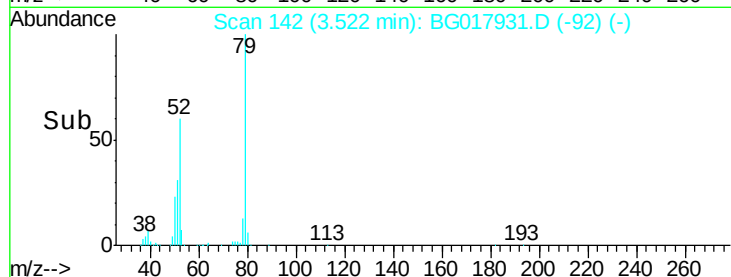
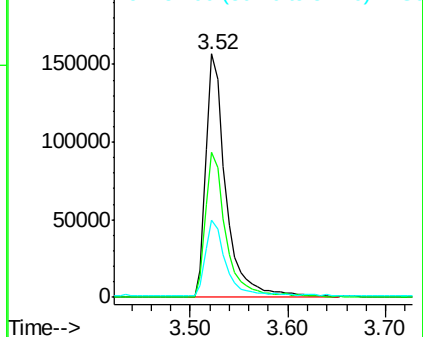
79 100

52 59.8 55.7 83.5

51 31.5 32.2 48.4#



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



#4

n-Nitrosodimethylamine

Concen: 39.05 ng

RT: 3.45 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

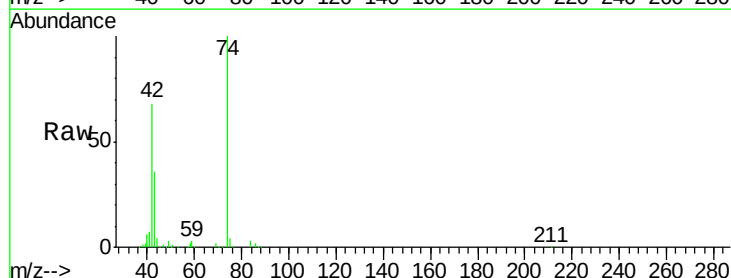
Tgt Ion: 42 Resp: 93248

Ion Ratio Lower Upper

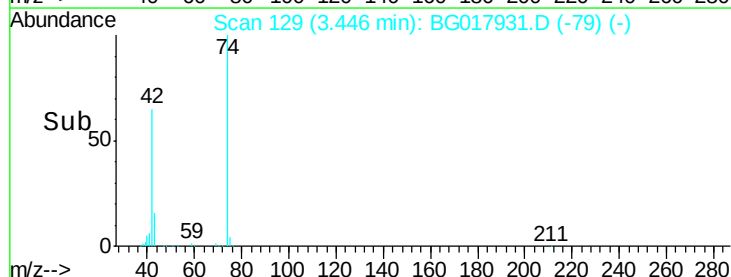
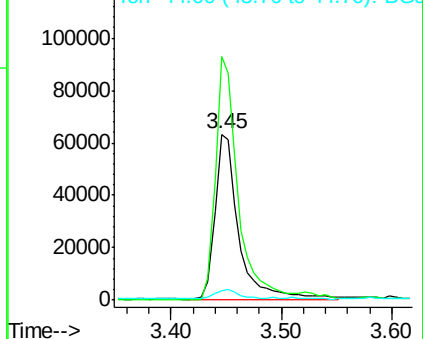
42 100

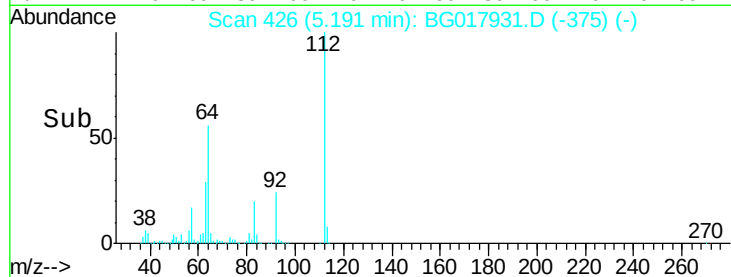
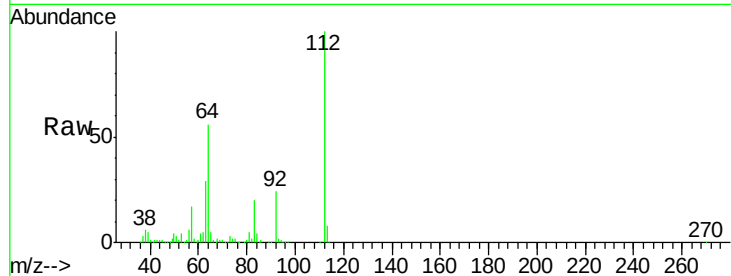
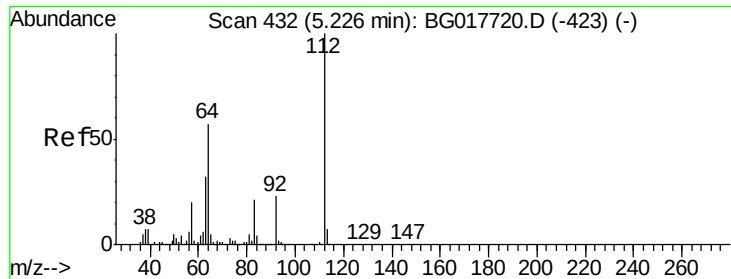
74 146.8 87.4 131.2#

44 5.8 6.4 9.6#



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





#5

2-Fluorophenol

Concen: 93.57 ng

RT: 5.19 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

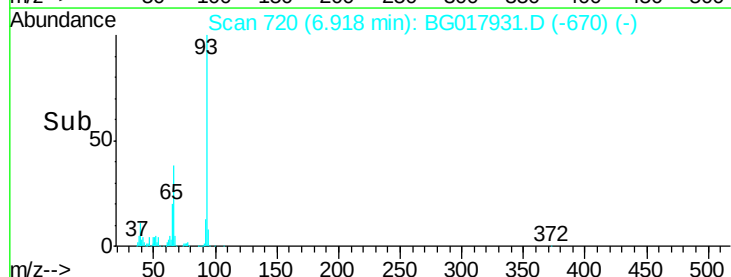
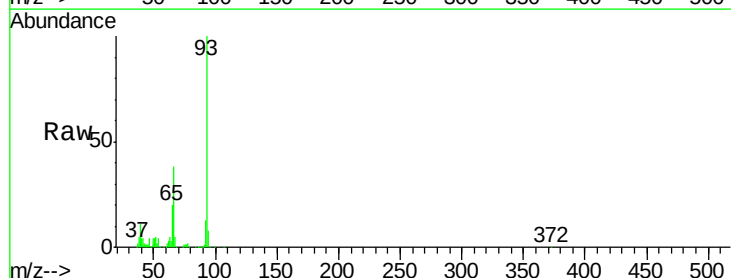
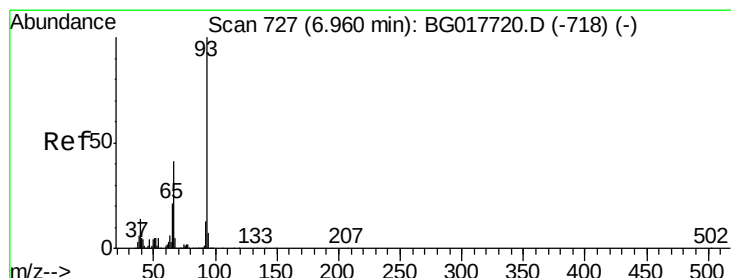
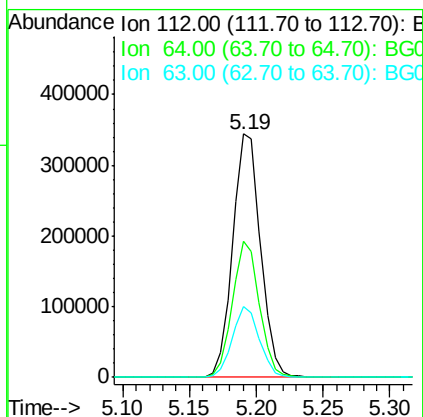
Tgt Ion:112 Resp: 501082

Ion Ratio Lower Upper

112 100

64 55.8 45.4 68.0

63 29.2 25.3 37.9



#6

Aniline

Concen: 28.71 ng

RT: 6.92 min Scan# 720

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

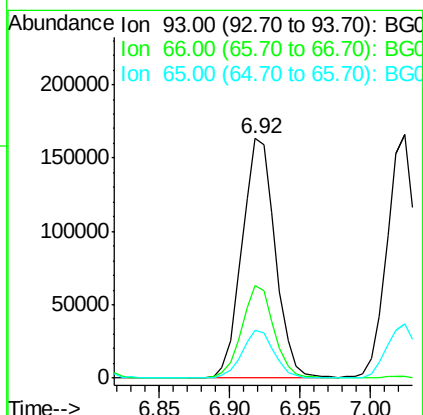
Tgt Ion: 93 Resp: 268604

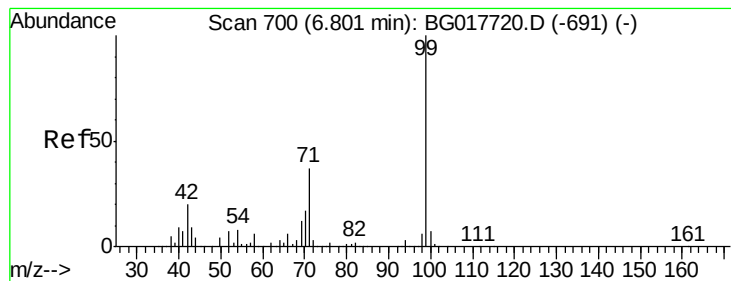
Ion Ratio Lower Upper

93 100

66 38.4 32.7 49.1

65 19.8 17.0 25.6





#7

Phenol-d6

Concen: 93.62 ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

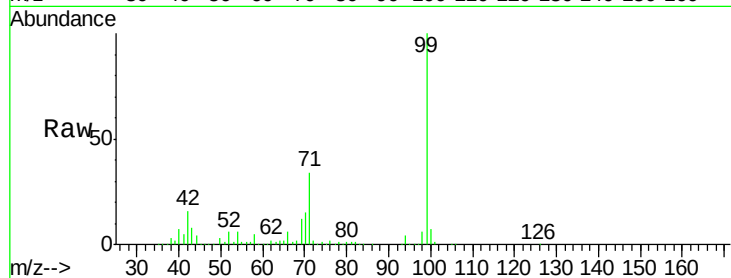
Tgt Ion: 99 Resp: 656877

Ion Ratio Lower Upper

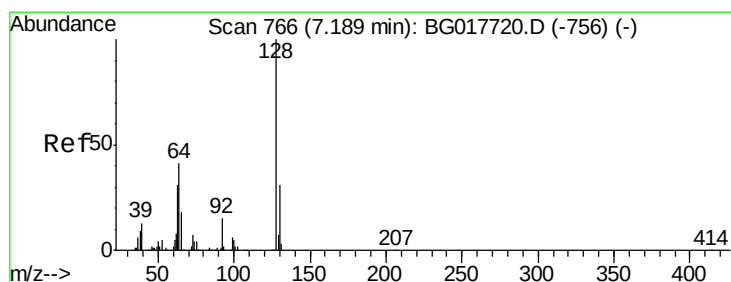
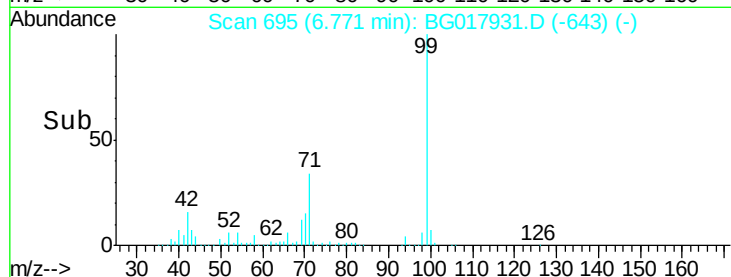
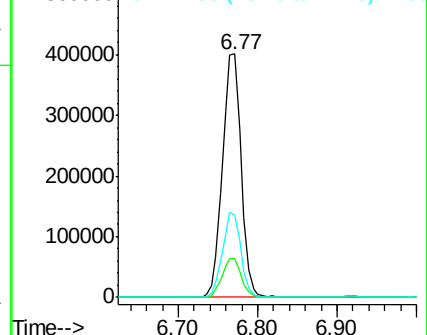
99 100

42 16.0 16.2 24.4#

71 34.0 29.5 44.3



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



#8

2-Chlorophenol

Concen: 44.64 ng

RT: 7.15 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

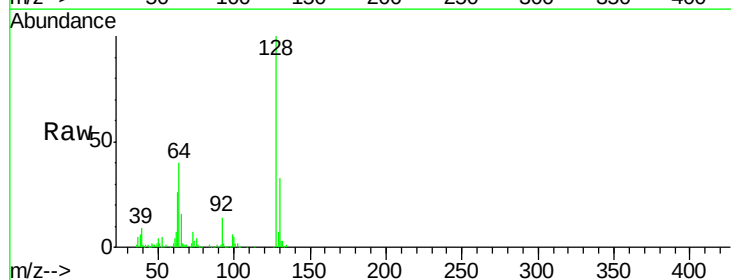
Tgt Ion: 128 Resp: 281811

Ion Ratio Lower Upper

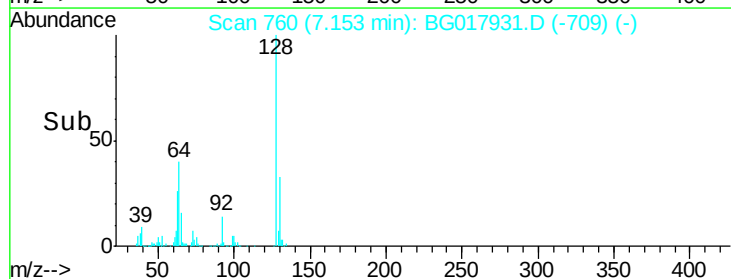
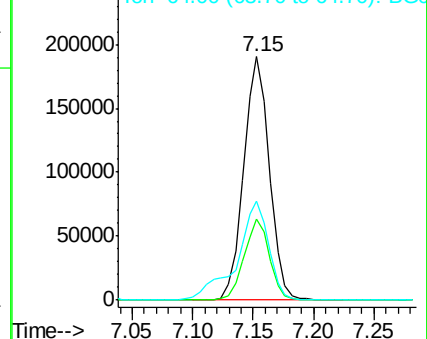
128 100

130 33.1 11.1 51.1

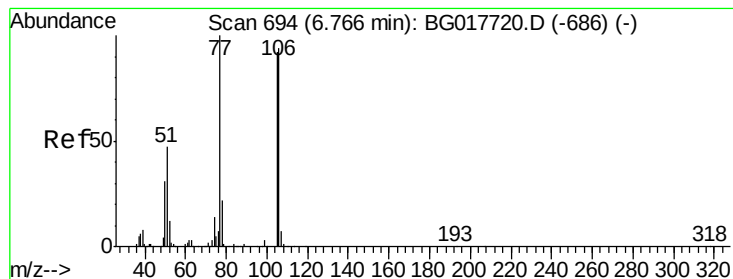
64 40.5 21.4 61.4



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: 21.52 ng

RT: 6.73 min Scan# 688

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

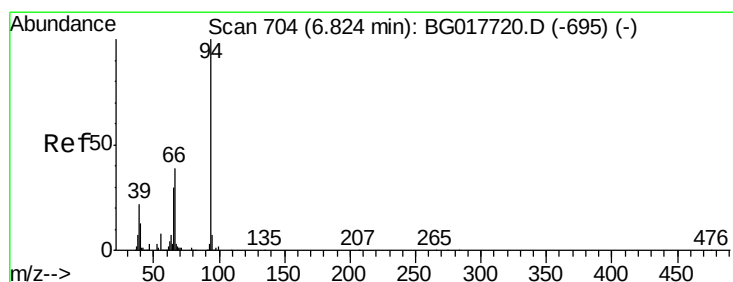
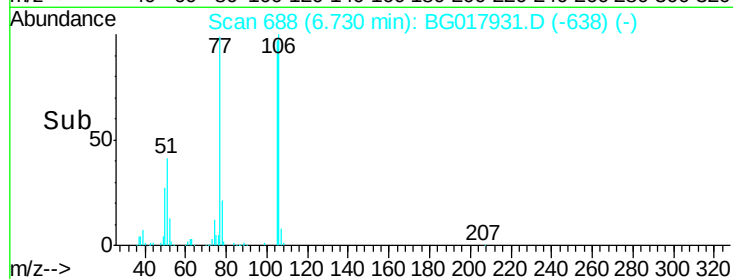
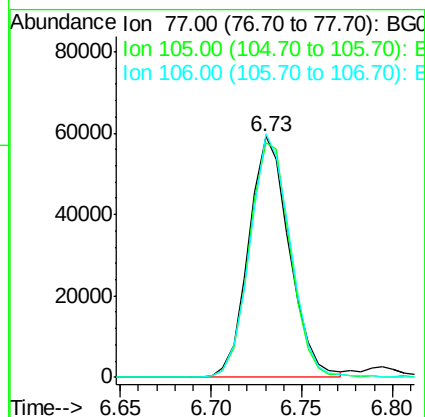
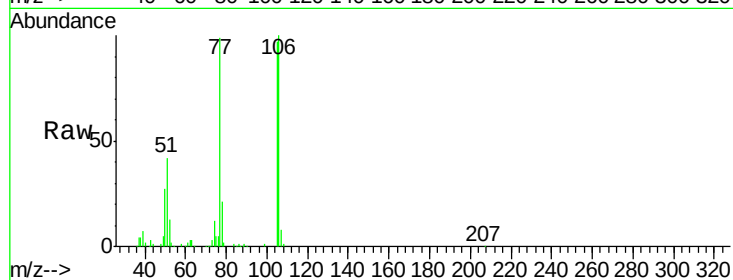
Tgt Ion: 77 Resp: 92519

Ion Ratio Lower Upper

77 100

105 97.7 71.8 111.8

106 101.1 74.5 114.5



#10

Phenol

Concen: 44.96 ng

RT: 6.79 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

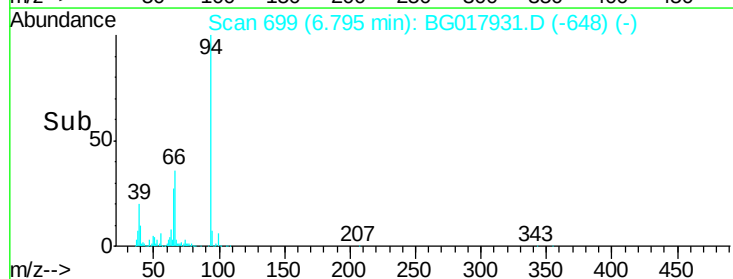
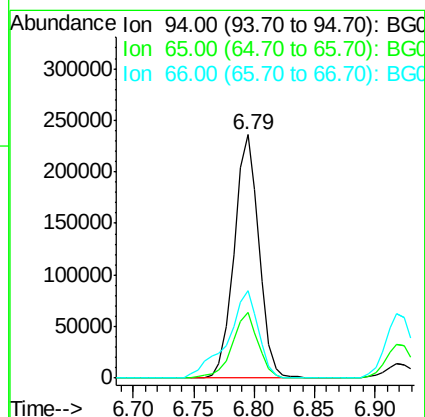
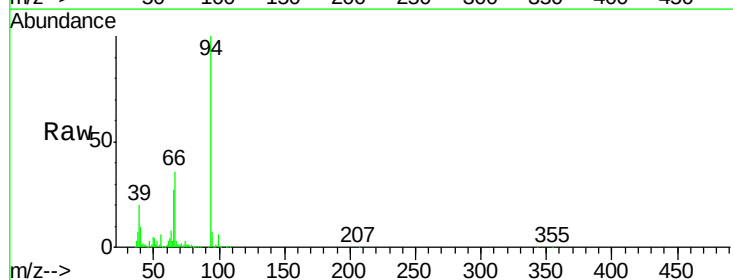
Tgt Ion: 94 Resp: 336663

Ion Ratio Lower Upper

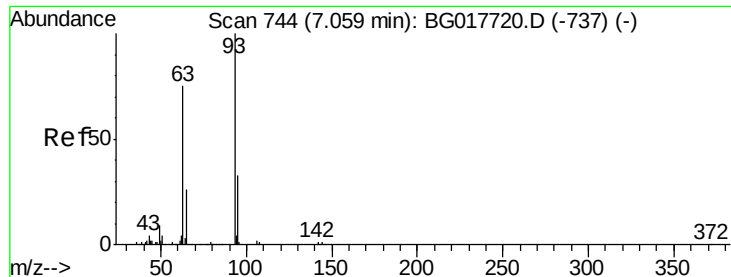
94 100

65 26.9 9.9 49.9

66 35.7 19.4 59.4



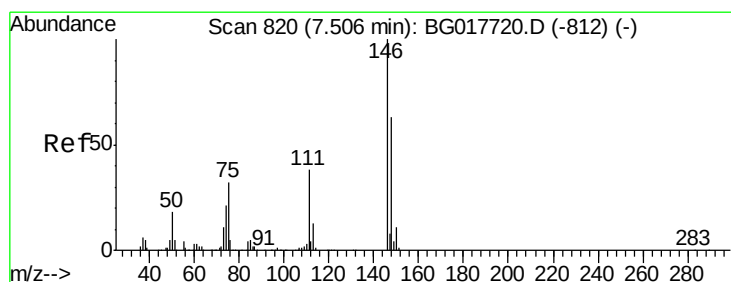
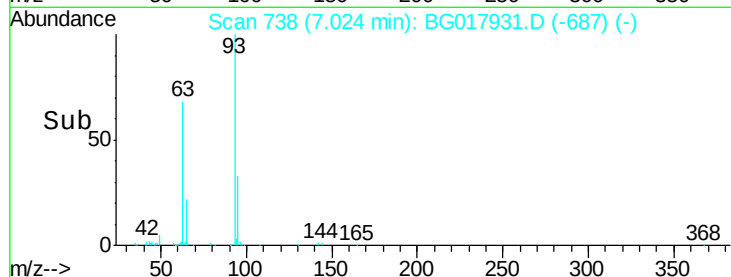
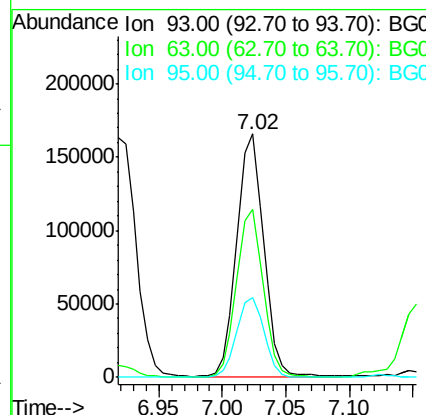
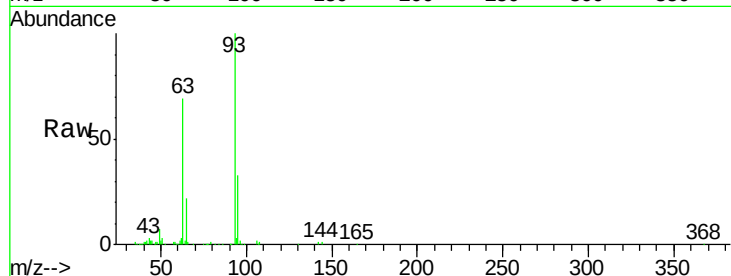




#11  
bis(2-Chloroethyl)ether  
Concen: 41.75 ng  
RT: 7.02 min Scan# 738  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

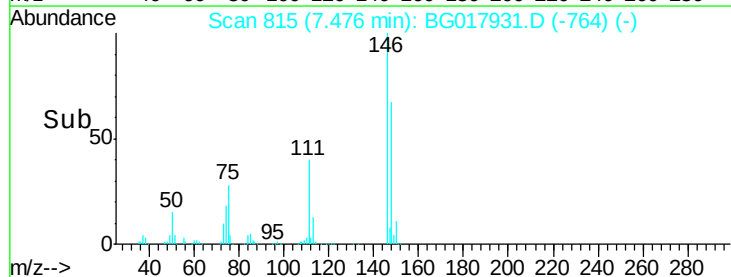
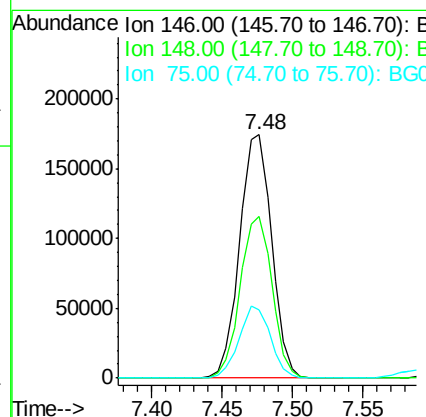
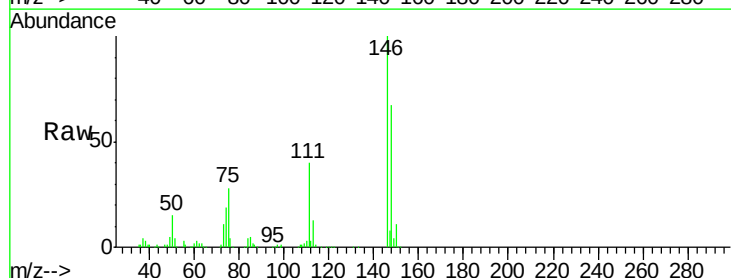
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

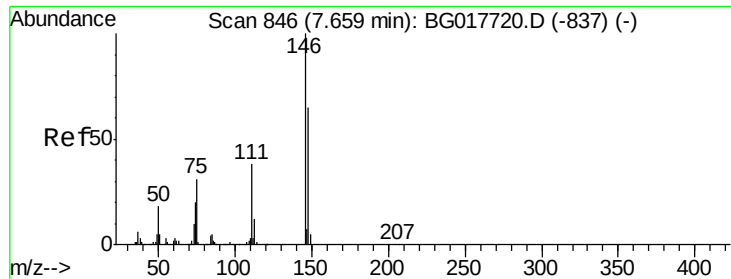
Tgt Ion: 93 Resp: 244559  
Ion Ratio Lower Upper  
93 100  
63 69.0 54.7 94.7  
95 32.6 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 40.00 ng  
RT: 7.48 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion: 146 Resp: 277284  
Ion Ratio Lower Upper  
146 100  
148 66.5 50.8 76.2  
75 27.8 25.8 38.6

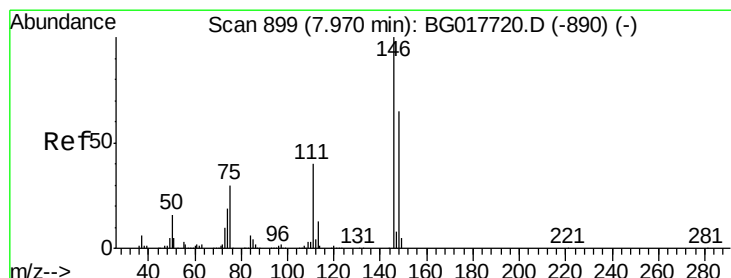
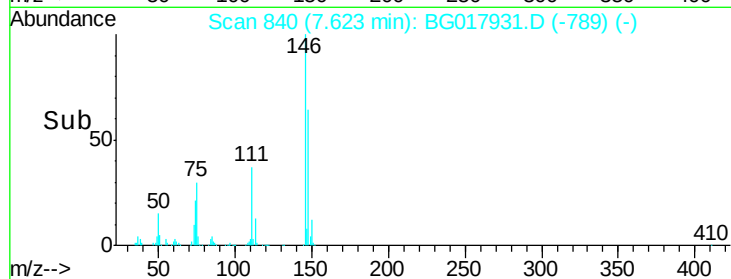
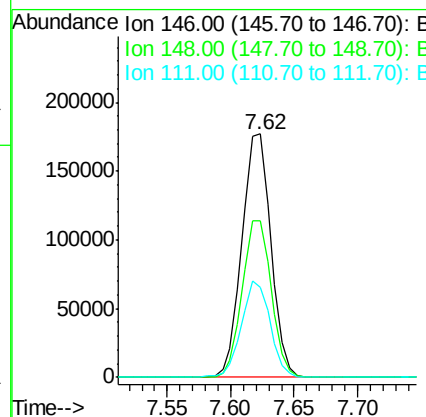
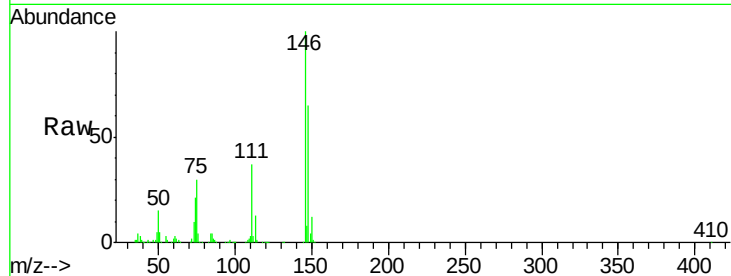




#13  
 1,4-Dichlorobenzene  
 Concen: 39.45 ng  
 RT: 7.62 min Scan# 840  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

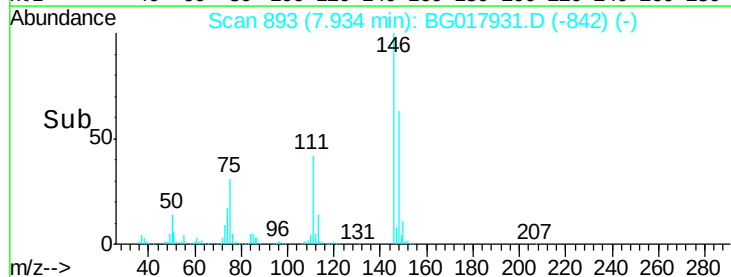
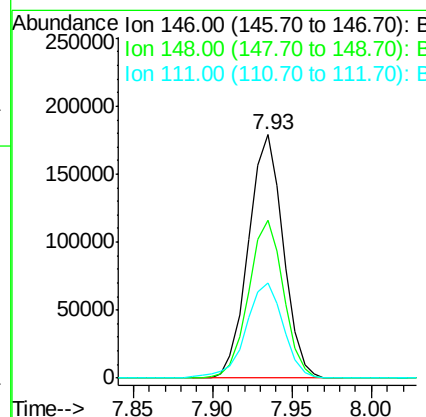
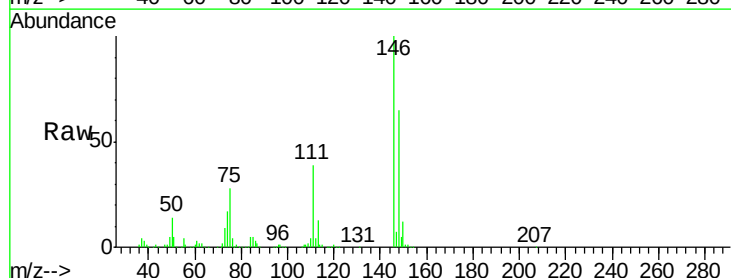
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

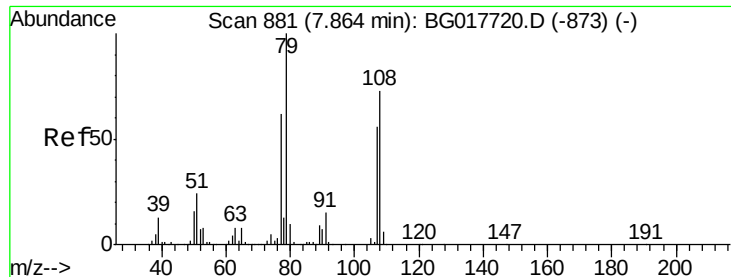
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.5  | 51.8  | 77.6  |
| 111     | 37.2  | 31.0  | 46.4  |



#14  
 1,2-Dichlorobenzene  
 Concen: 40.16 ng  
 RT: 7.93 min Scan# 893  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 52.2  | 78.4  |
| 111     | 39.3  | 32.3  | 48.5  |





#15

Benzyl Alcohol

Concen: 43.35 ng

RT: 7.83 min Scan# 875

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

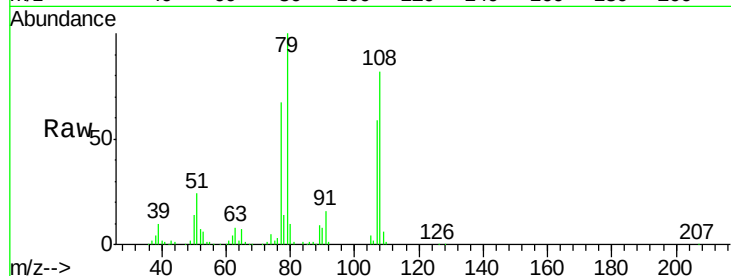
Tgt Ion: 79 Resp: 224958

Ion Ratio Lower Upper

79 100

108 81.8 58.4 87.6

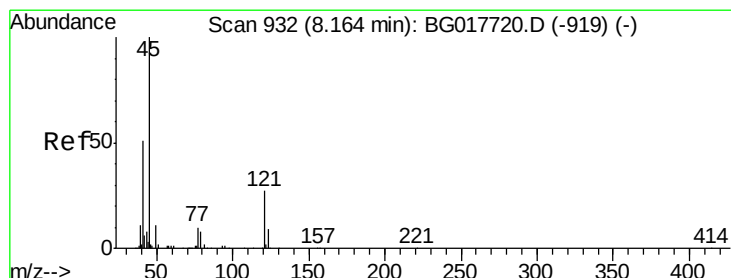
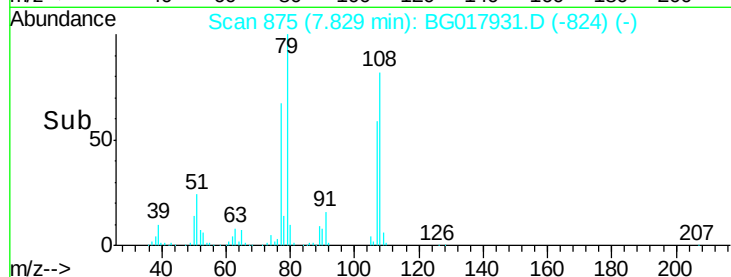
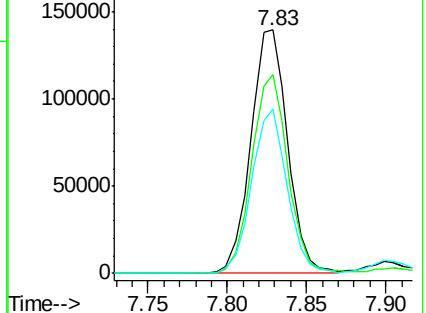
77 67.3 49.9 74.9



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: 40.53 ng

RT: 8.12 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

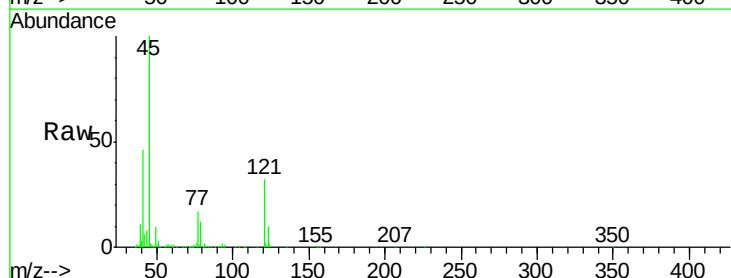
Tgt Ion: 45 Resp: 285961

Ion Ratio Lower Upper

45 100

77 17.2 0.0 33.9

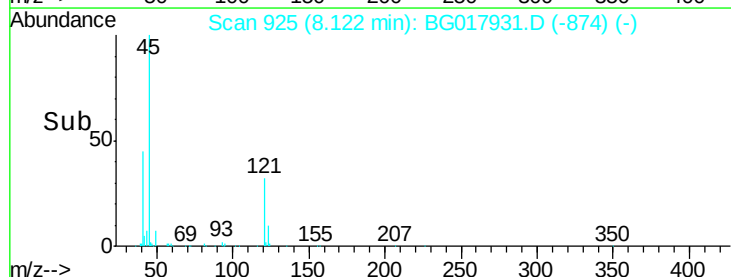
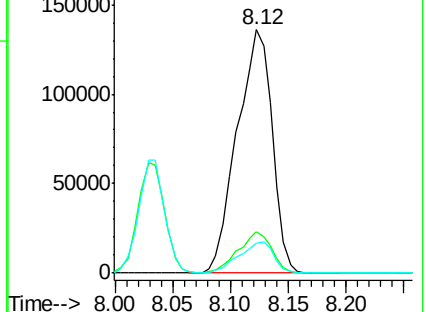
79 12.3 0.0 31.4

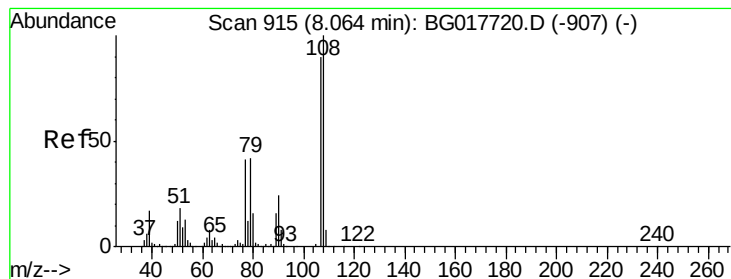


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 43.29 ng

RT: 8.03 min Scan# 910

Delta R.T. 0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

Tgt Ion:107 Resp: 226013

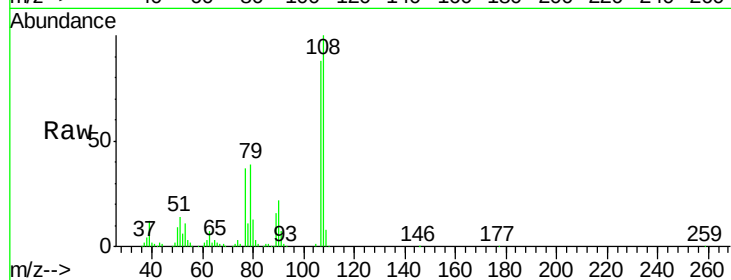
Ion Ratio Lower Upper

107 100

108 114.3 89.3 133.9

77 42.2 36.9 55.3

79 44.2 37.6 56.4

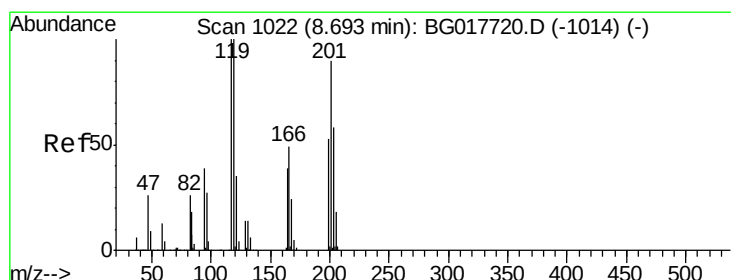
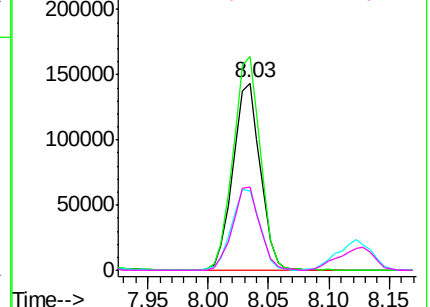
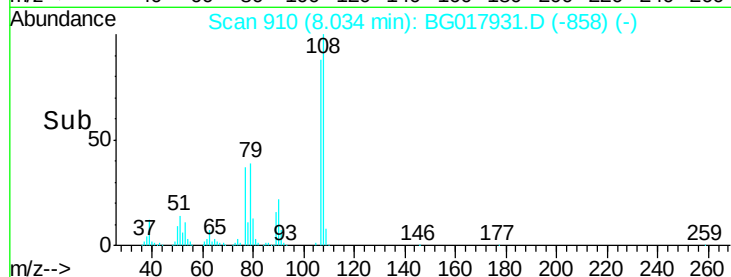


Abundance Ion 107.00 (106.70 to 107.70): E

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: 39.05 ng

RT: 8.65 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

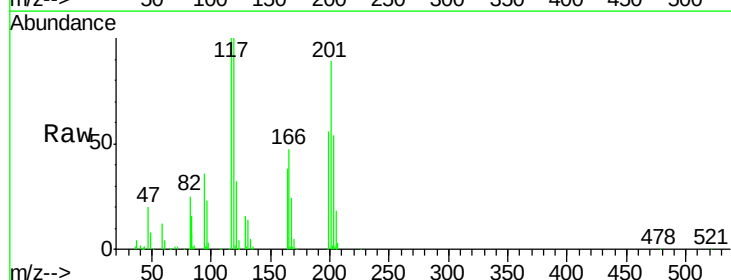
Tgt Ion:117 Resp: 104826

Ion Ratio Lower Upper

117 100

119 100.1 80.1 120.1

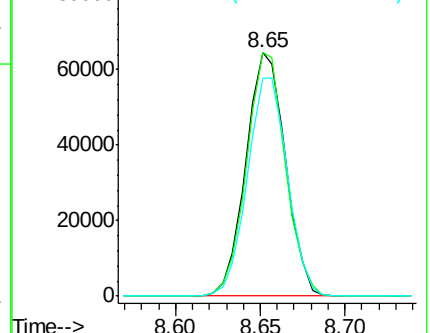
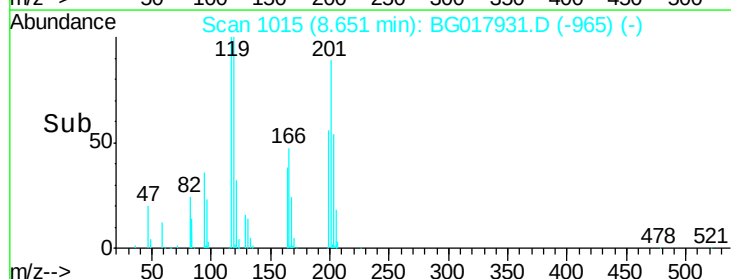
201 89.5 71.9 107.9

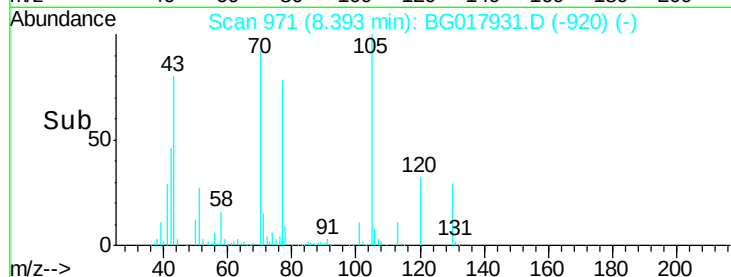
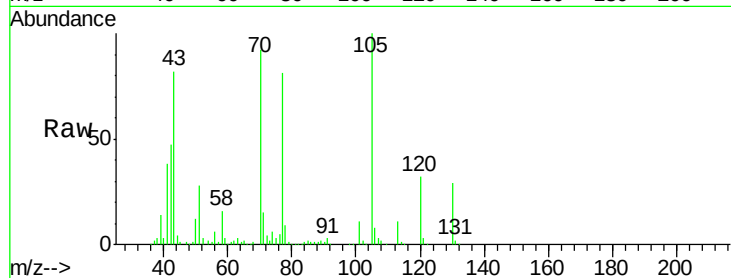
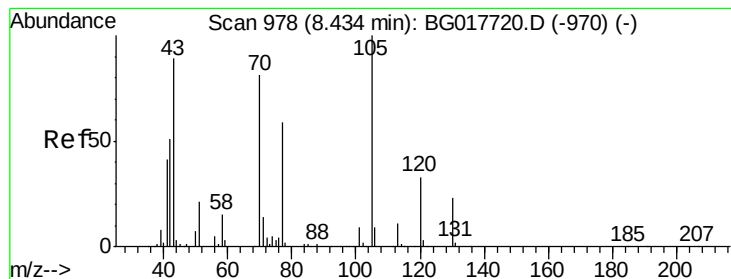


Abundance Ion 117.00 (116.70 to 117.70): E

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: 38.29 ng

RT: 8.39 min Scan# 971

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

Tgt Ion: 70 Resp: 196144

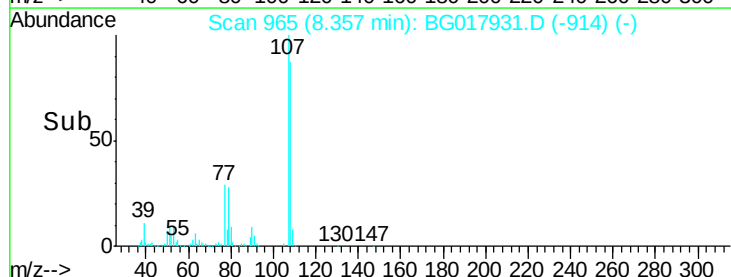
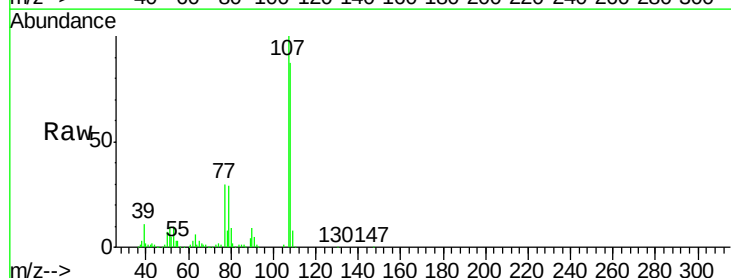
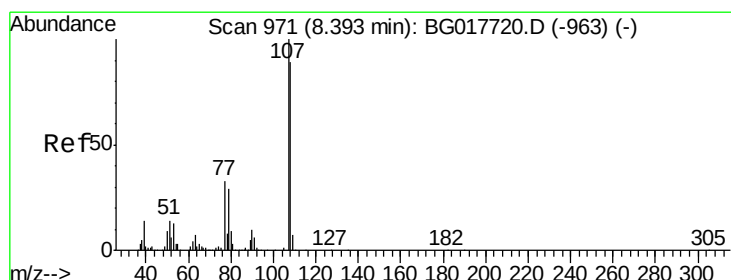
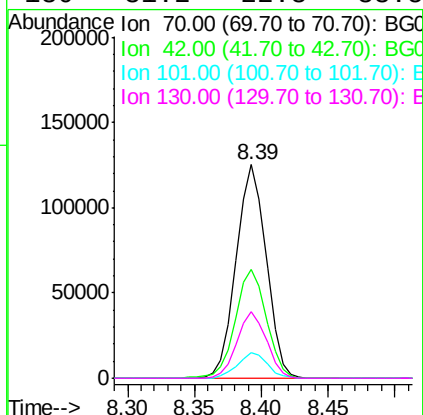
Ion Ratio Lower Upper

70 100

42 50.7 50.8 76.2#

101 12.0 8.7 13.1

130 31.2 22.3 33.5



#20

3+4-Methylphenols

Concen: 43.06 ng

RT: 8.36 min Scan# 965

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Tgt Ion: 107 Resp: 304253

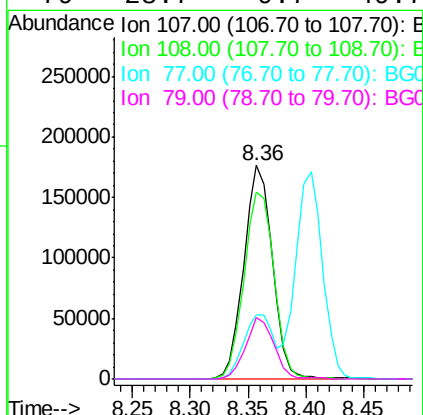
Ion Ratio Lower Upper

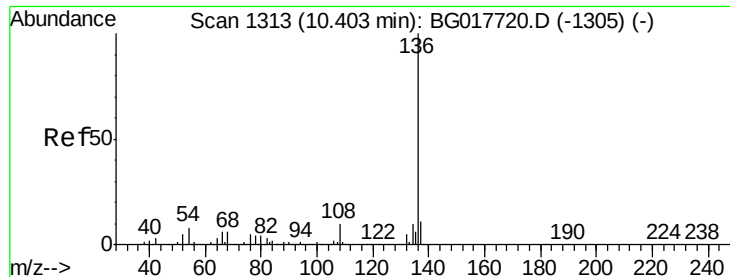
107 100

108 87.5 69.6 109.6

77 29.9 13.0 53.0

79 28.7 9.7 49.7

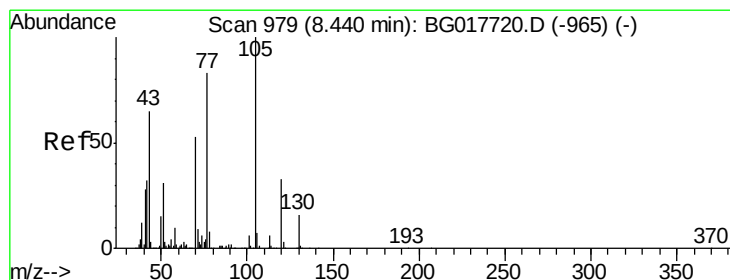
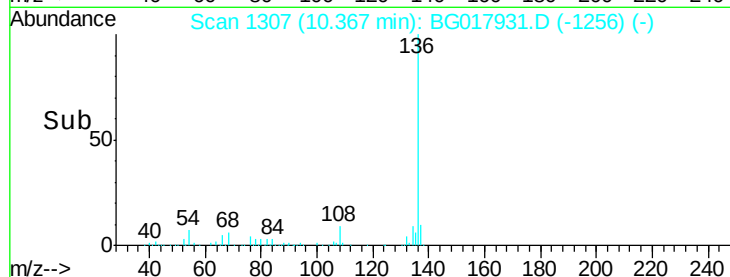
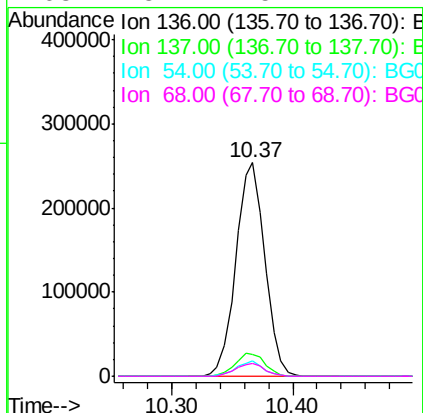
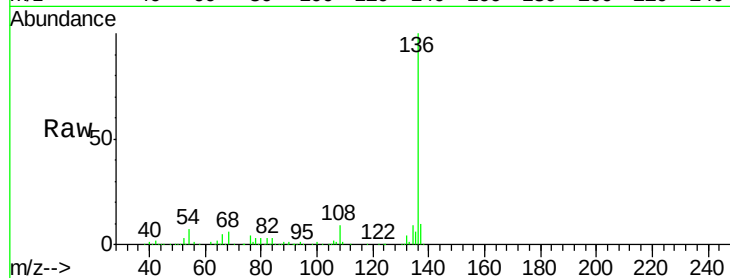




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.37 min Scan# 1307  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

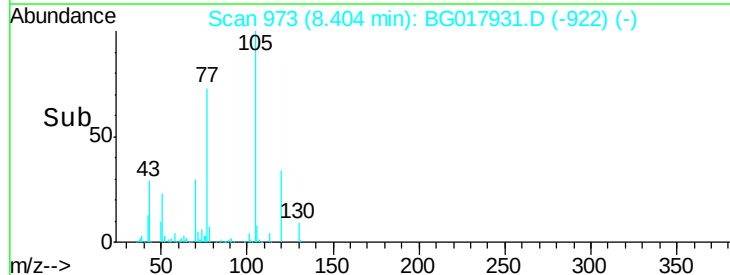
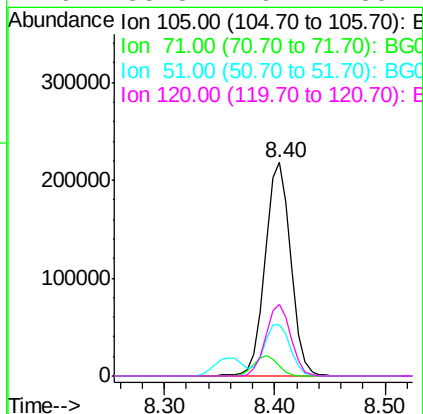
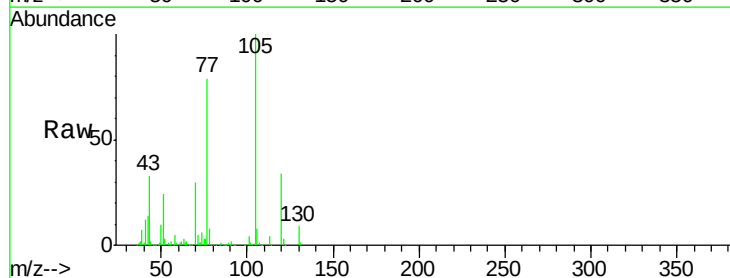
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

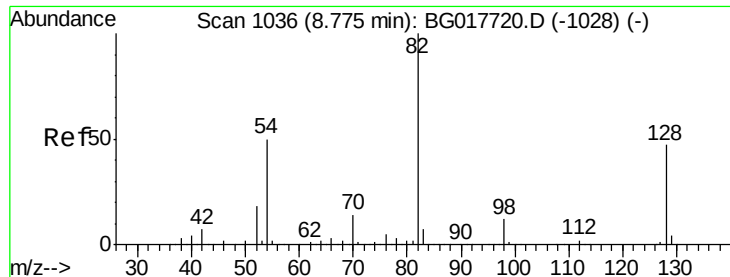
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 422356 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.8   | 13.2   |
| 54       | 7.0   | 6.6   | 9.8    |
| 68       | 5.7   | 5.1   | 7.7    |



#22  
Acetophenone  
Concen: 38.89 ng  
RT: 8.40 min Scan# 973  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 354819 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 4.6   | 7.7   | 11.5#  |
| 51       | 23.9  | 24.9  | 37.3#  |
| 120      | 33.8  | 26.2  | 39.4   |

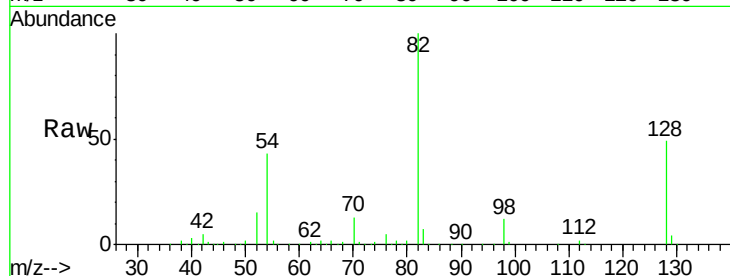




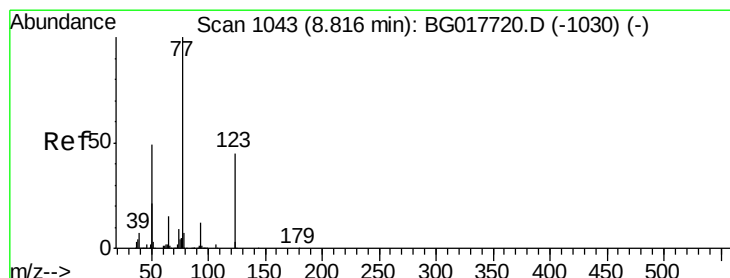
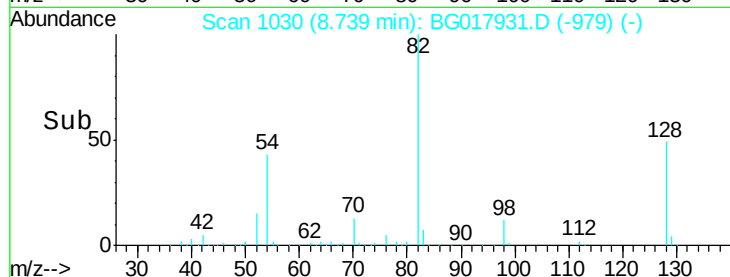
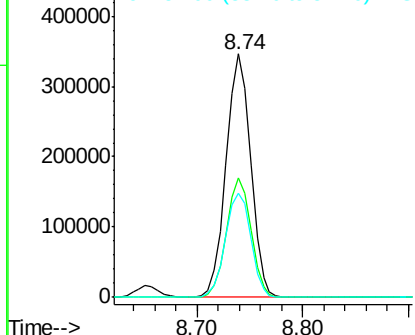
#23  
 Nitrobenzene-d5  
 Concen: 85.75 ng  
 RT: 8.74 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Tgt Ion: 82 Resp: 559192  
 Ion Ratio Lower Upper  
 82 100  
 128 49.1 37.8 56.6  
 54 42.6 39.9 59.9

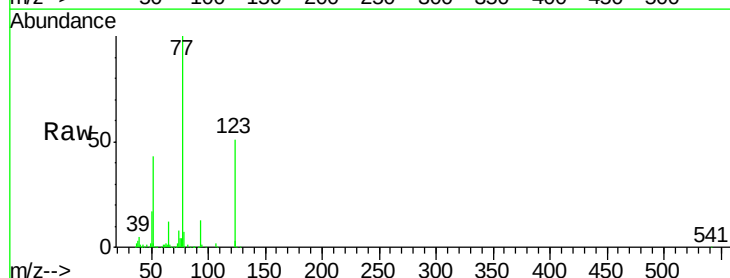


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

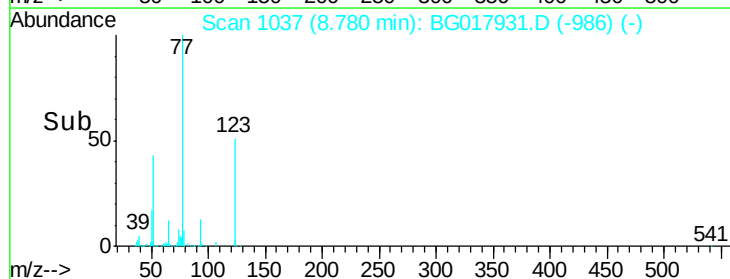
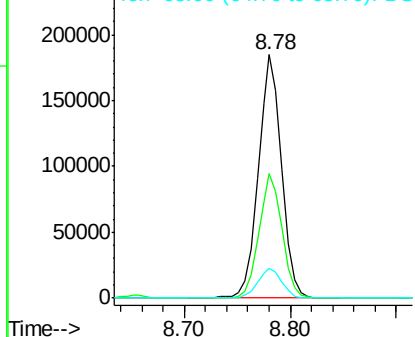


#24  
 Nitrobenzene  
 Concen: 40.73 ng  
 RT: 8.78 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

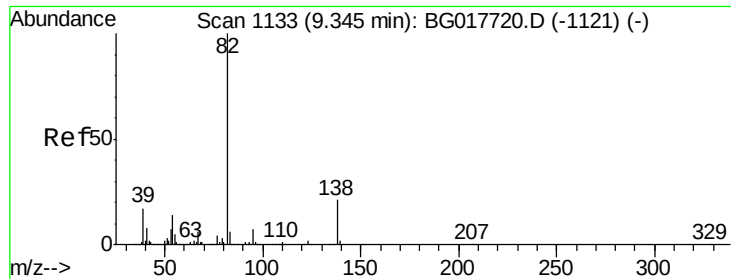
Tgt Ion: 77 Resp: 283007  
 Ion Ratio Lower Upper  
 77 100  
 123 51.1 36.2 54.2  
 65 12.4 11.7 17.5



Abundance Ion 77.00 (76.70 to 77.70): BGC  
 Ion 123.00 (122.70 to 123.70): BGC  
 Ion 65.00 (64.70 to 65.70): BGC



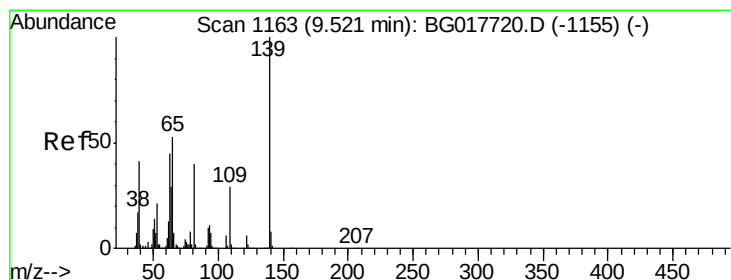
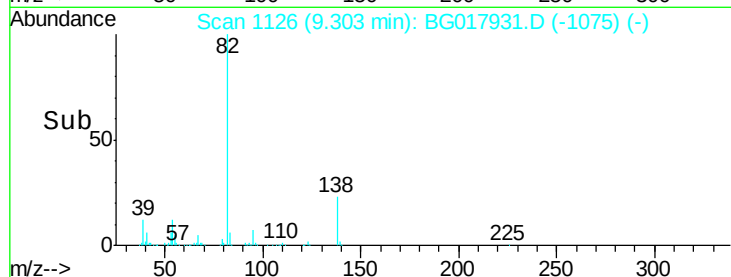
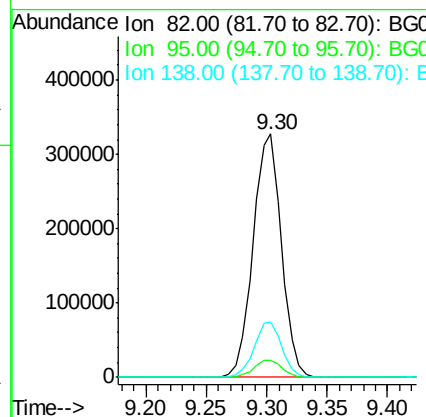
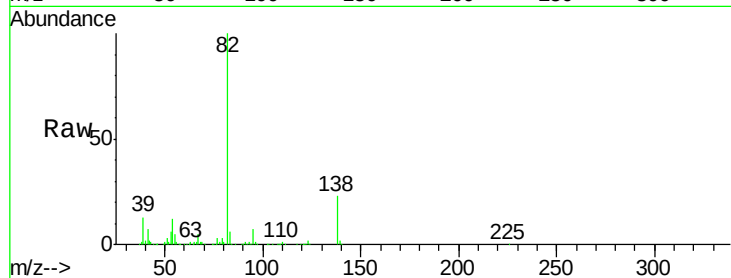




#25  
Isophorone  
Concen: 39.23 ng  
RT: 9.30 min Scan# 1126  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

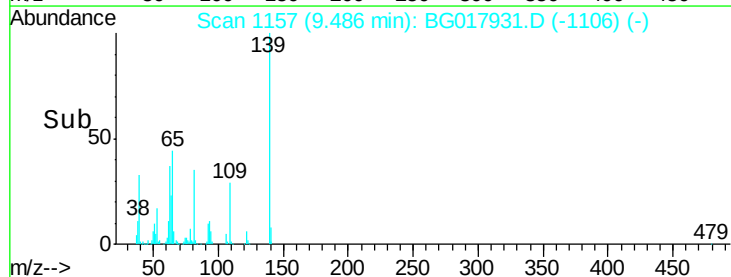
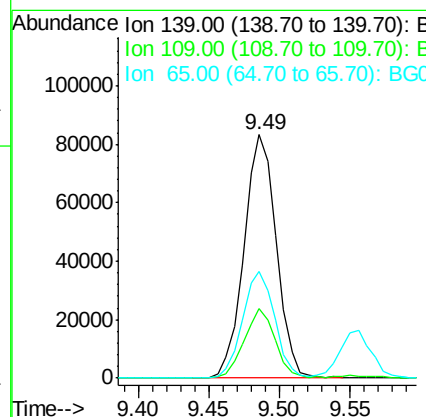
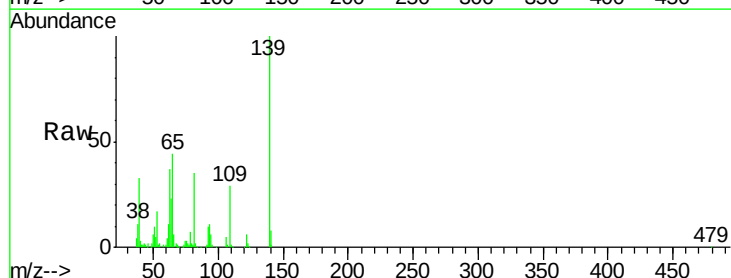
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

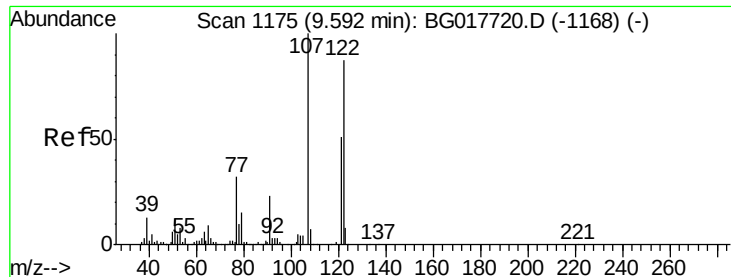
Tgt Ion: 82 Resp: 536536  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.8 8.8  
138 22.6 17.0 25.6



#26  
2-Nitrophenol  
Concen: 40.19 ng  
RT: 9.49 min Scan# 1157  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion: 139 Resp: 133222  
Ion Ratio Lower Upper  
139 100  
109 28.8 23.0 34.4  
65 44.0 42.0 63.0

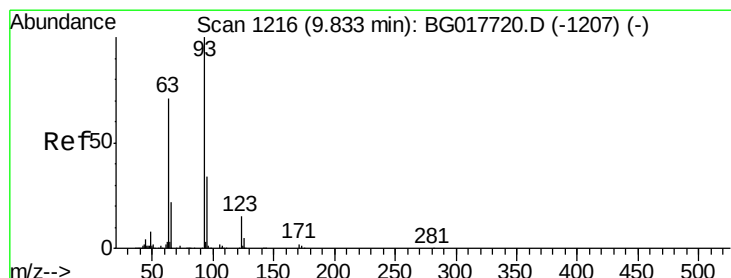
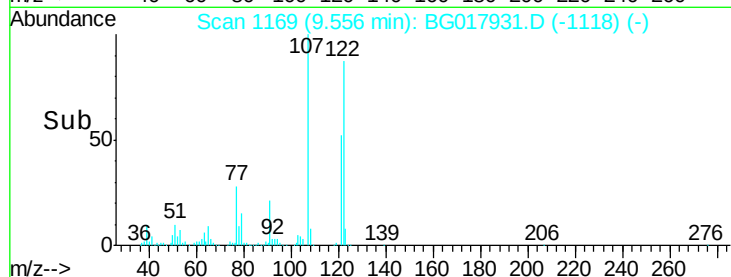
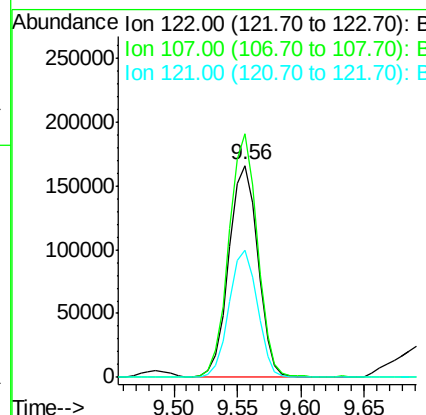
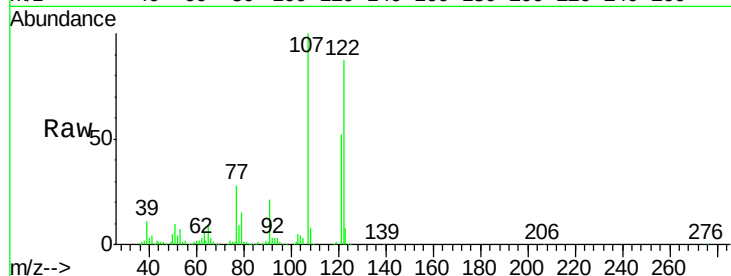




#27  
2,4-Dimethylphenol  
Concen: 43.58 ng  
RT: 9.56 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

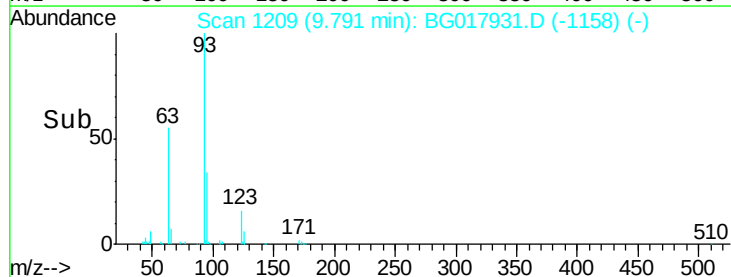
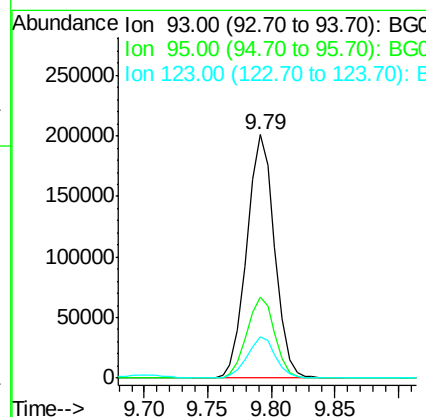
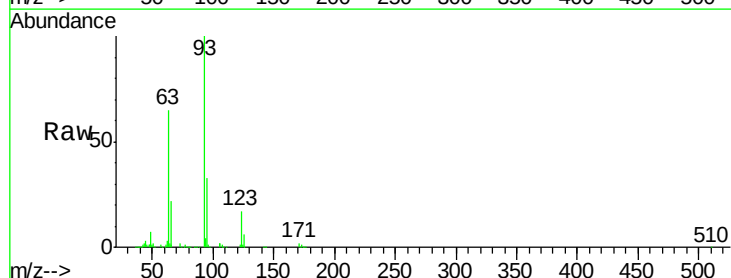
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

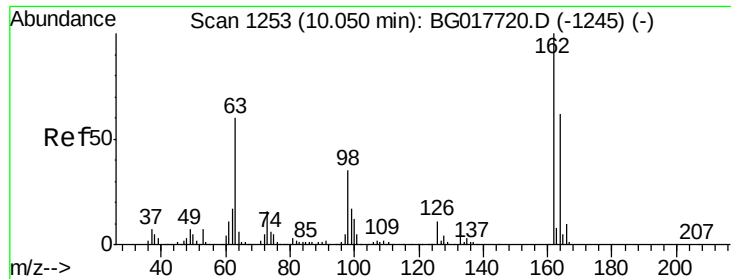
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 115.1 | 92.2  | 138.2 |
| 121     | 60.1  | 46.5  | 69.7  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 40.24 ng  
RT: 9.79 min Scan# 1209  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.5  | 26.9  | 40.3  |
| 123     | 16.7  | 12.0  | 18.0  |

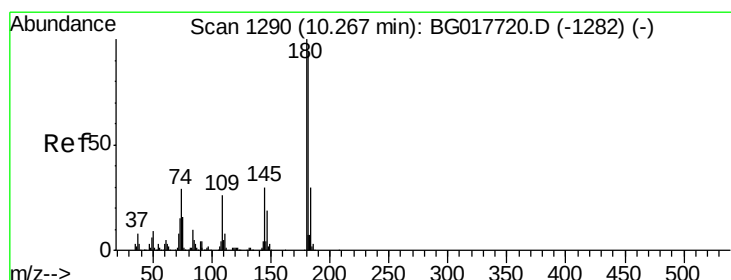
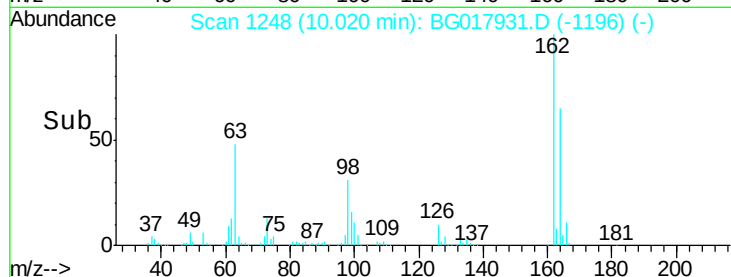
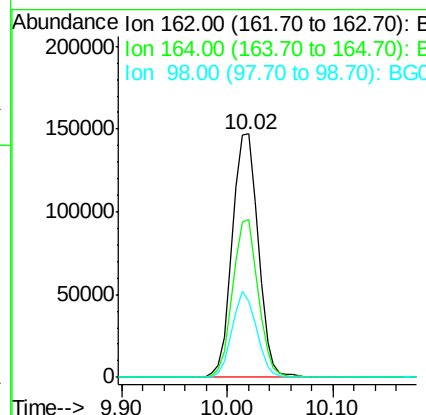
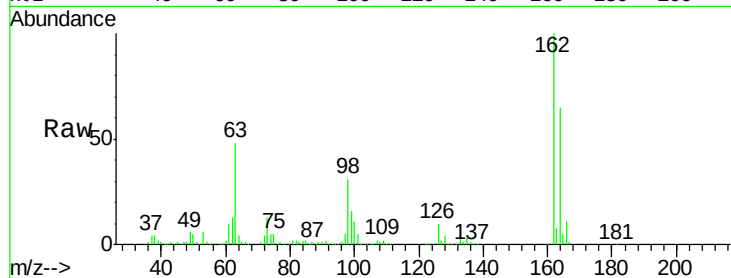




#29  
2,4-Dichlorophenol  
Concen: 46.51 ng  
RT: 10.02 min Scan# 1248  
Delta R.T. 0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

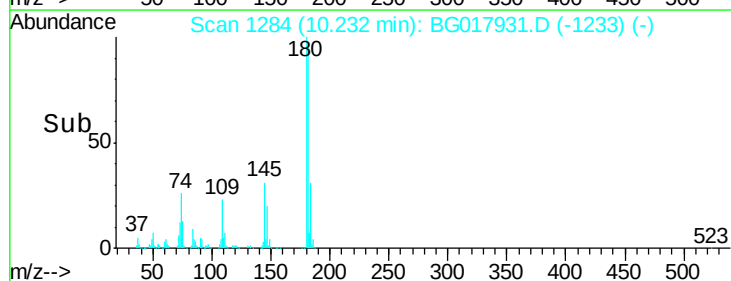
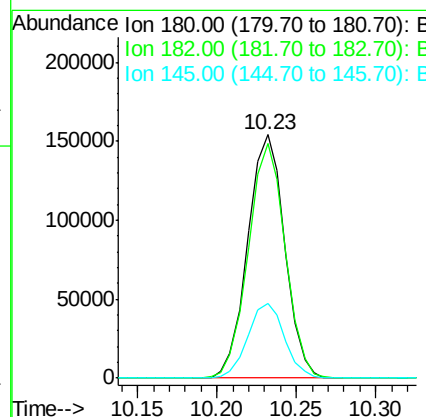
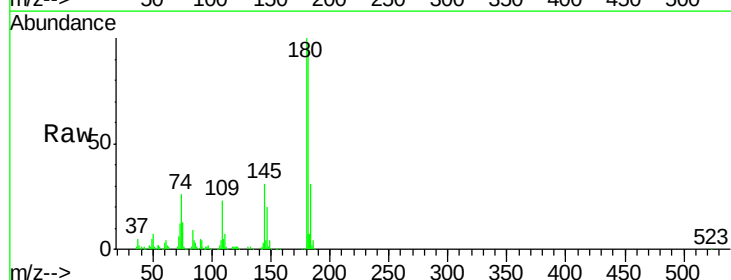
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

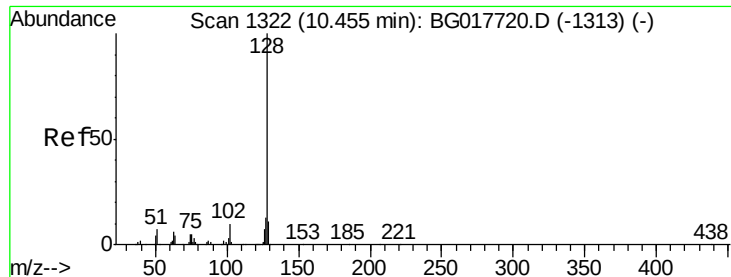
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.6  | 42.5  | 82.5  |
| 98      | 31.4  | 15.1  | 55.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 39.14 ng  
RT: 10.23 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 75.2  | 112.8 |
| 145     | 30.7  | 24.1  | 36.1  |

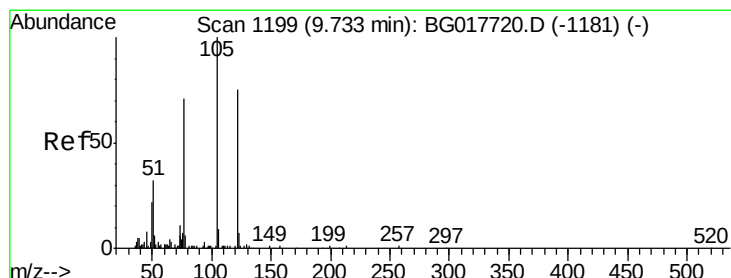
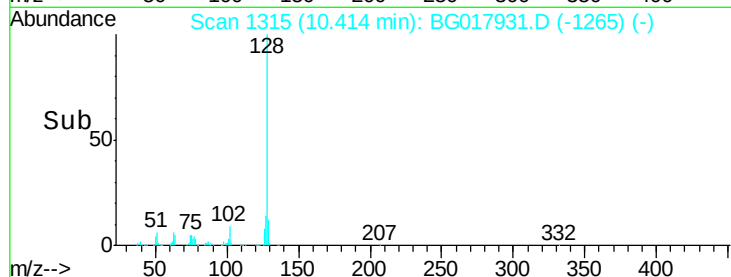
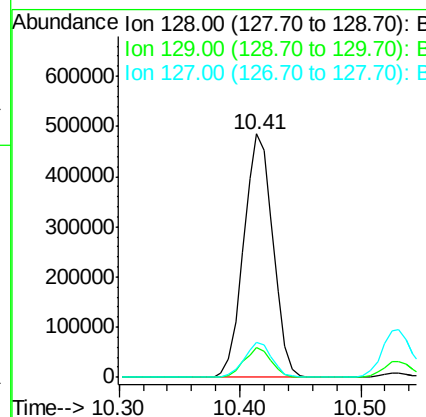
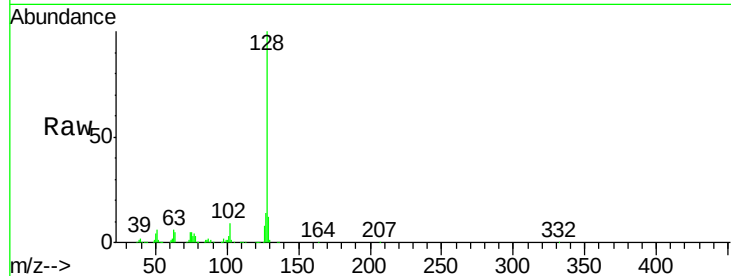




#31  
Naphthalene  
Concen: 39.55 ng  
RT: 10.41 min Scan# 1315  
Delta R.T. -0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

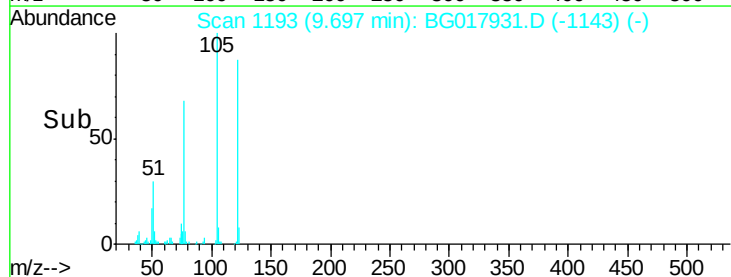
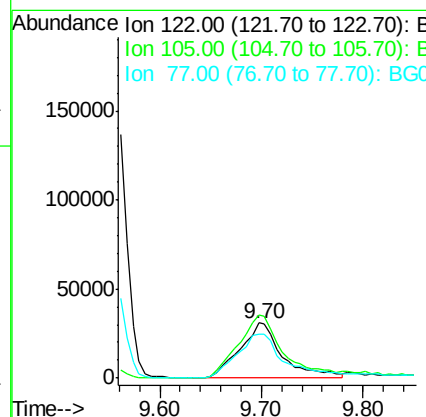
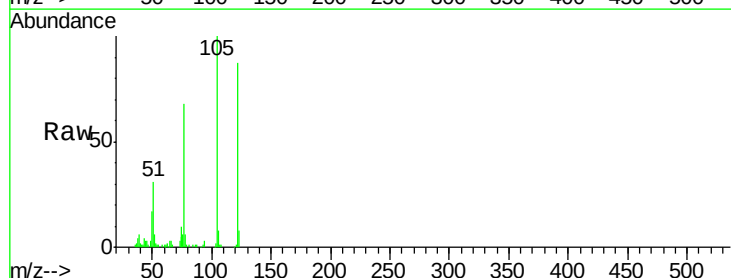
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

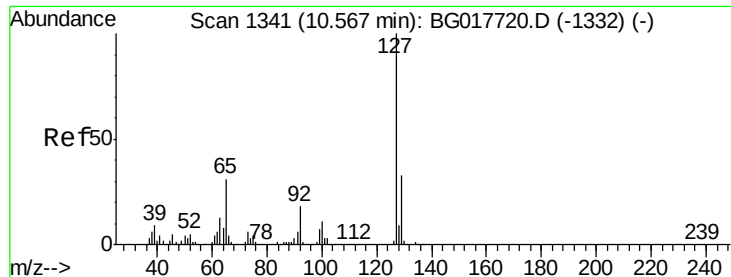
Tgt Ion:128 Resp: 817611  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.0 13.6  
127 14.3 10.7 16.1



#32  
Benzoic acid  
Concen: 41.76 ng  
RT: 9.70 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion:122 Resp: 89374  
Ion Ratio Lower Upper  
122 100  
105 115.5 111.3 151.3  
77 78.9 75.2 115.2

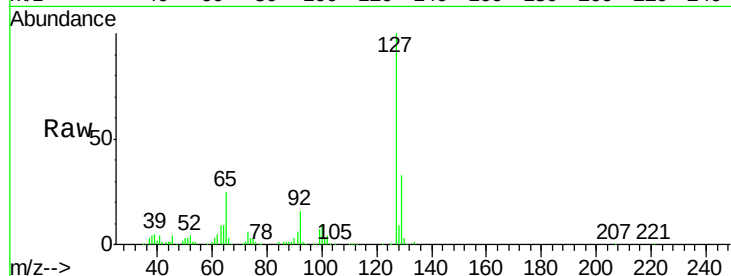




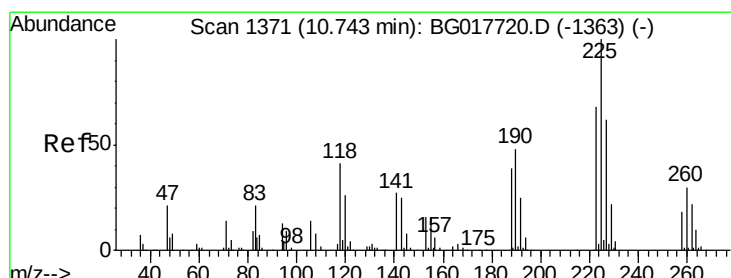
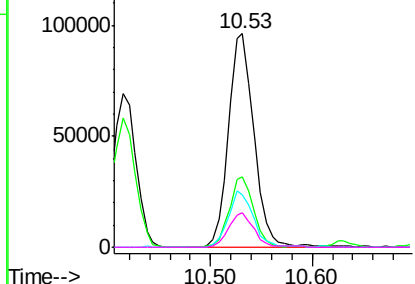
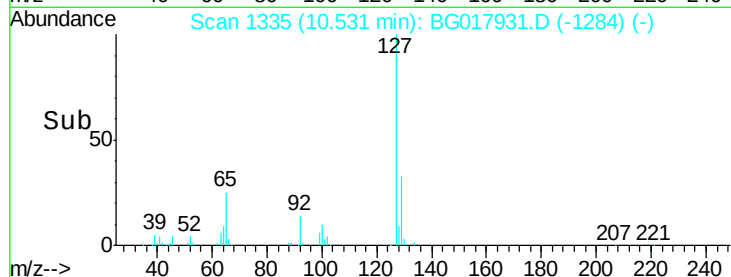
#33  
4-Chloroaniline  
Concen: 18.23 ng  
RT: 10.53 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 167950 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 26.7  | 40.1   |
| 65       | 24.7  | 24.6  | 37.0   |
| 92       | 16.3  | 14.2  | 21.4   |

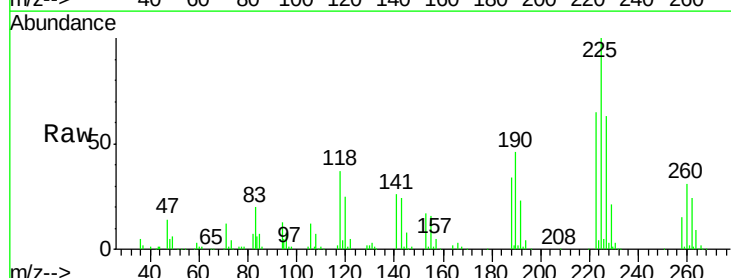


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

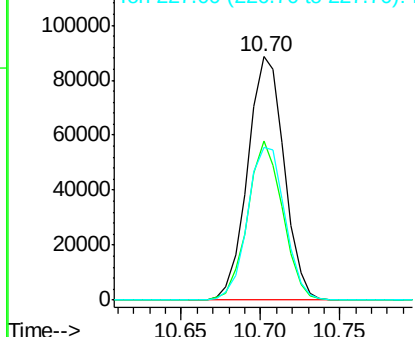
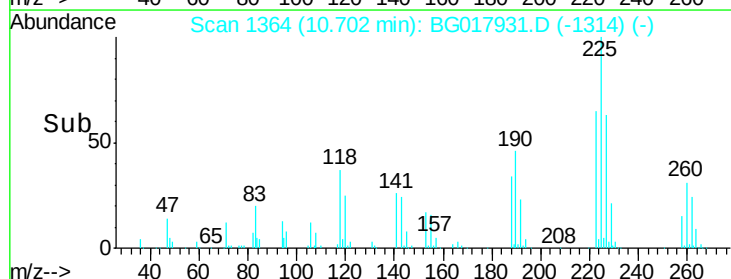


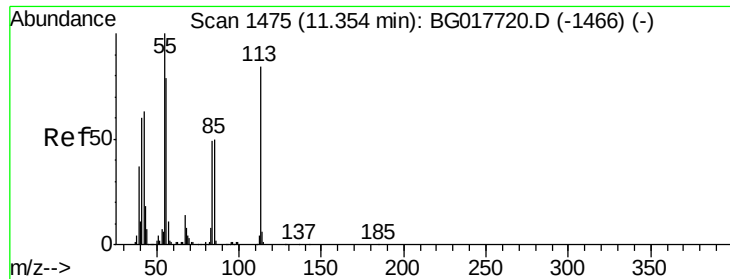
#34  
Hexachlorobutadiene  
Concen: 39.33 ng  
RT: 10.70 min Scan# 1364  
Delta R.T. -0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 141450 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.5  | 54.3  | 81.5   |
| 227      | 62.8  | 49.4  | 74.0   |



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

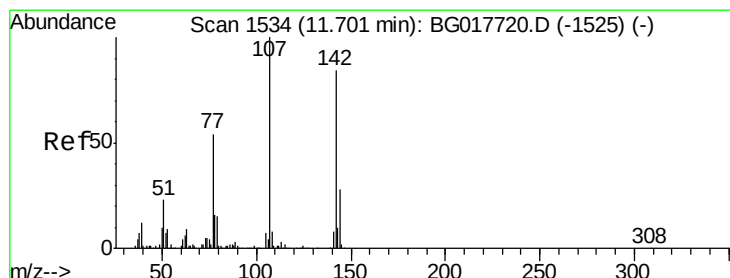
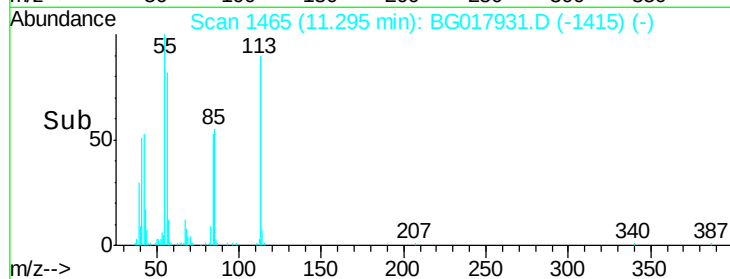
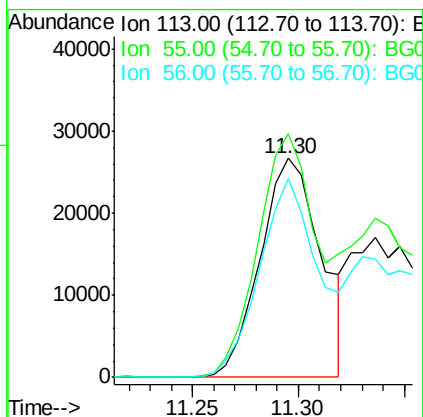
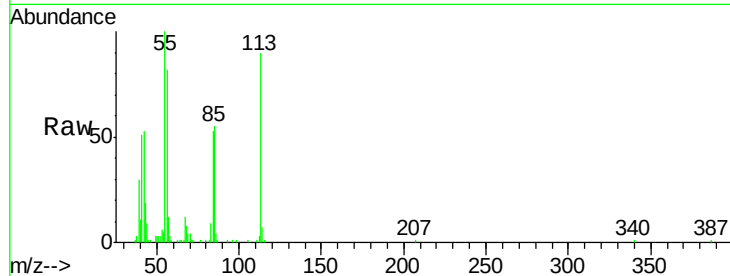




#35  
 Caprolactam  
 Concen: 19.57 ng  
 RT: 11.30 min Scan# 1465  
 Delta R.T. -0.01 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

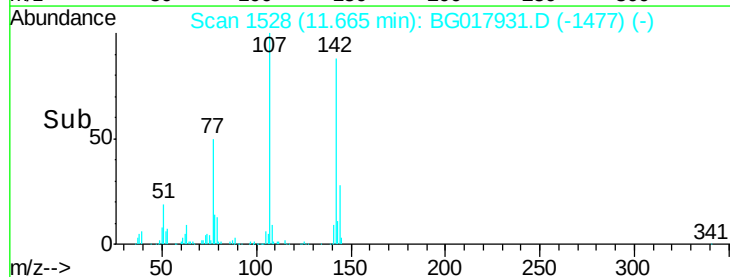
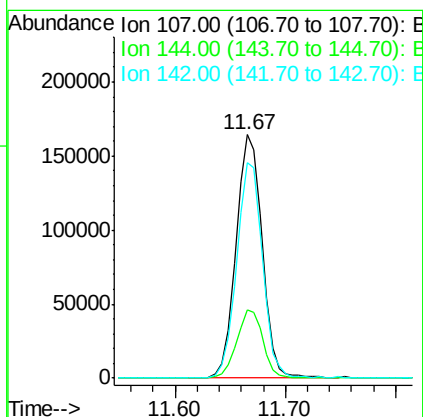
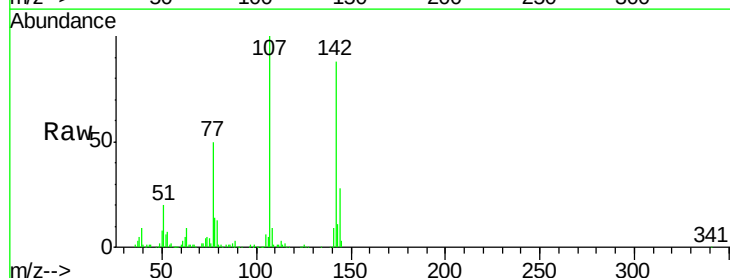
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

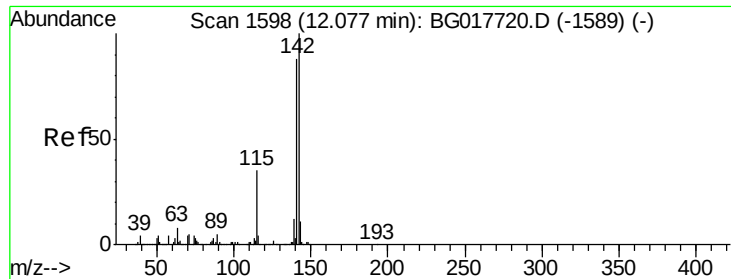
Tgt Ion:113 Resp: 53431  
 Ion Ratio Lower Upper  
 113 100  
 55 111.3 100.8 140.8  
 56 91.0 75.5 115.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.80 ng  
 RT: 11.67 min Scan# 1528  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion:107 Resp: 273230  
 Ion Ratio Lower Upper  
 107 100  
 144 28.3 22.2 33.4  
 142 88.2 67.1 100.7

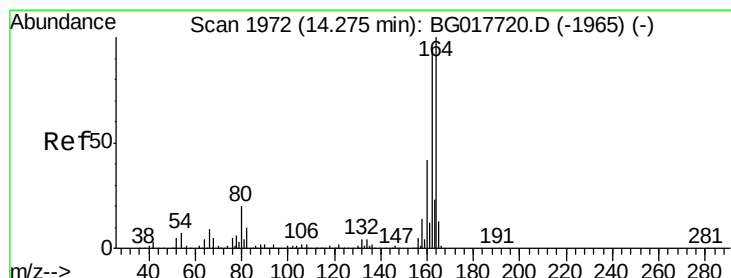
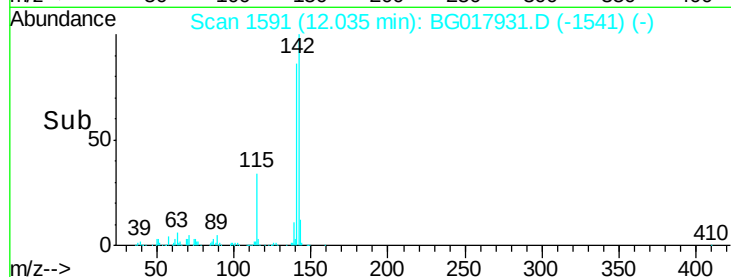
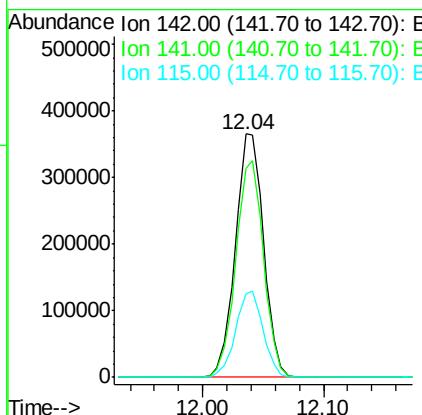
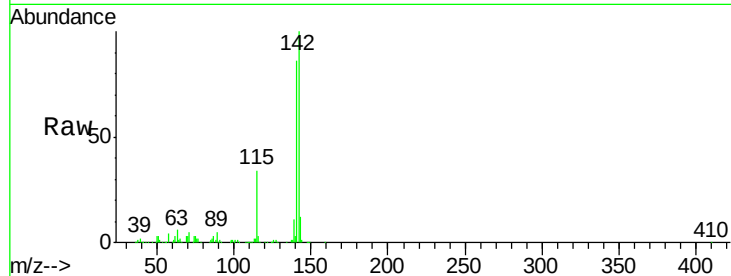




#37  
 2-Methylnaphthalene  
 Concen: 40.16 ng  
 RT: 12.04 min Scan# 1591  
 Delta R.T. -0.01 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

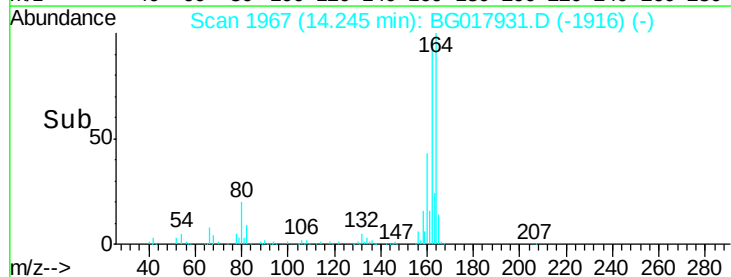
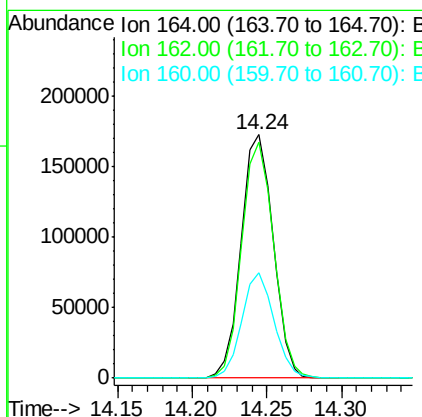
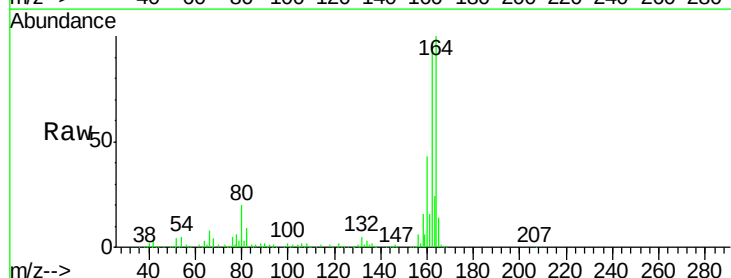
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

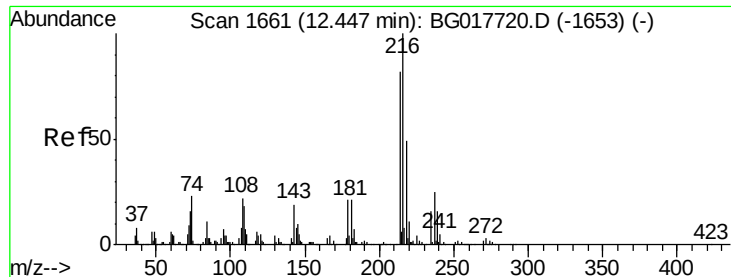
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.7  | 70.7  | 106.1 |
| 115     | 34.2  | 27.8  | 41.8  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.24 min Scan# 1967  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 96.8  | 76.3  | 114.5 |
| 160     | 43.1  | 33.7  | 50.5  |

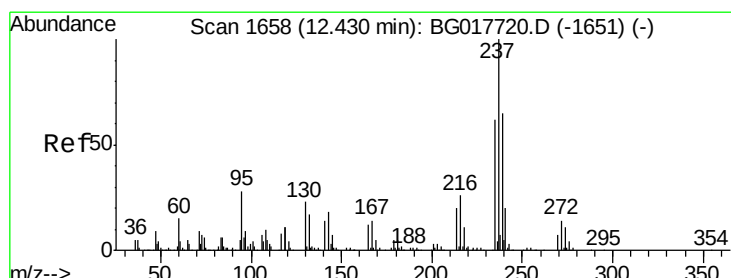
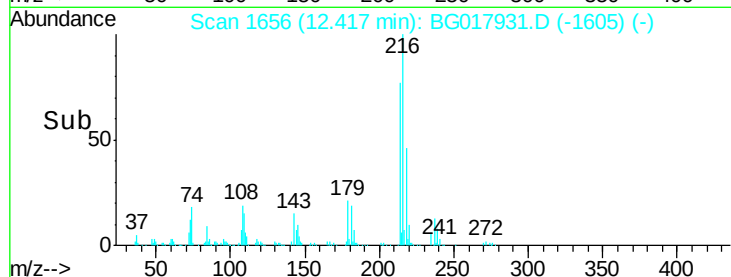
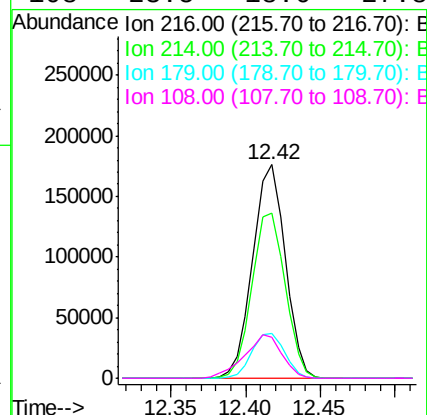
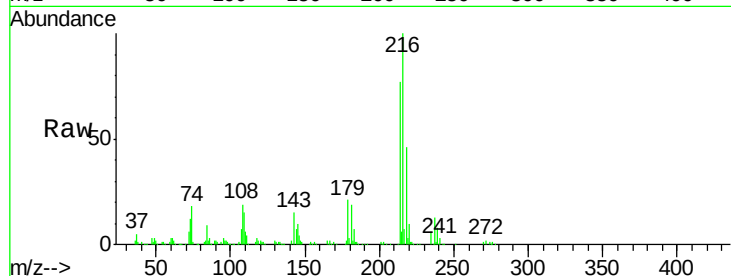




#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.61 ng  
 RT: 12.42 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

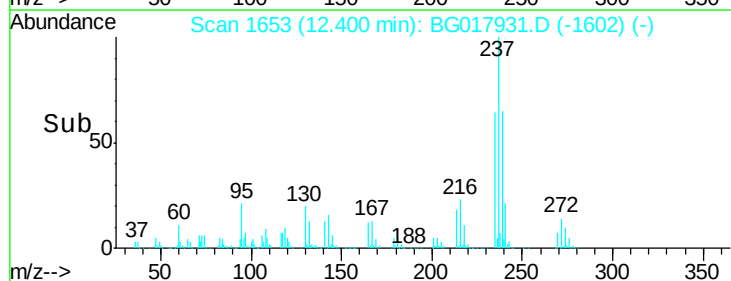
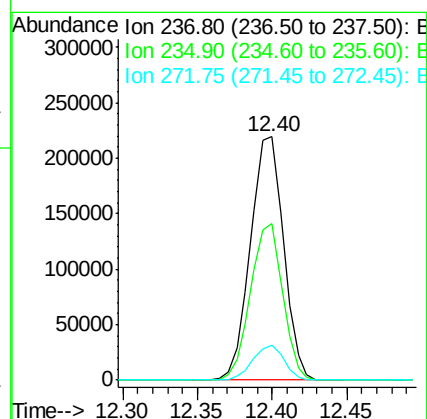
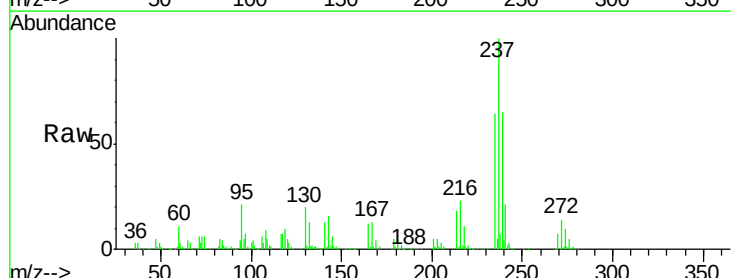
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 265581 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 79.0  | 64.5  | 96.7   |
| 179      | 21.5  | 16.7  | 25.1   |
| 108      | 23.5  | 18.6  | 27.8   |

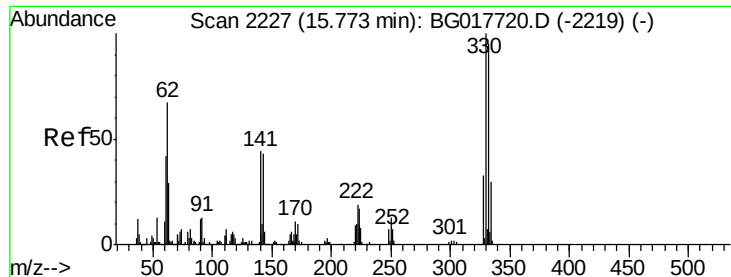


#40  
 Hexachlorocyclopentadiene  
 Concen: 89.43 ng  
 RT: 12.40 min Scan# 1653  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 335438 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 64.5  | 42.2  | 82.2   |
| 272      | 14.3  | 0.0   | 33.9   |



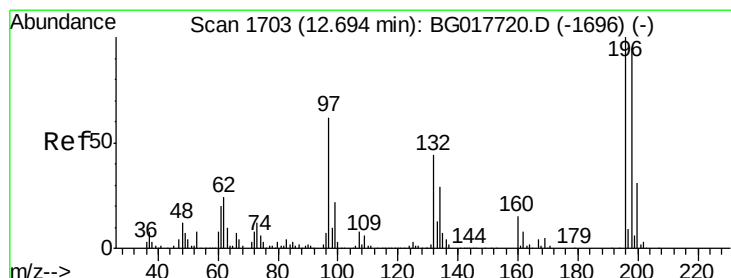
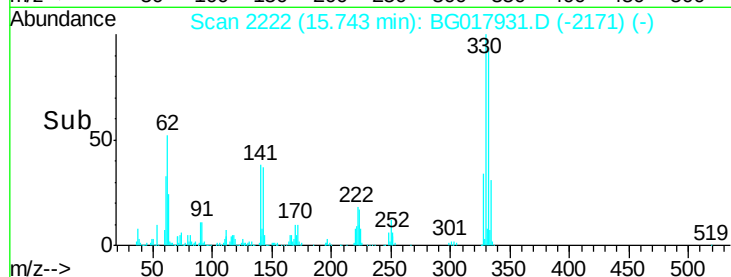
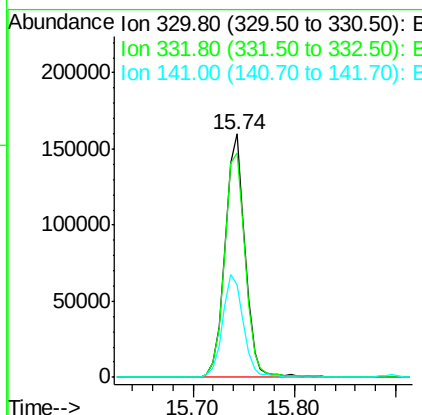
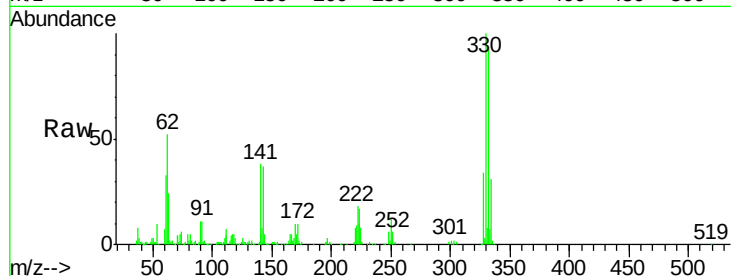




#41  
 2,4,6-Tribromophenol  
 Concen: 84.27 ng  
 RT: 15.74 min Scan# 2222  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

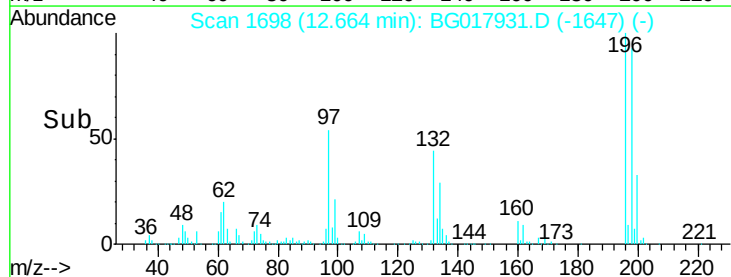
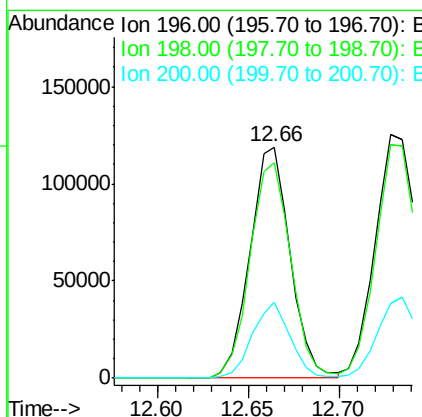
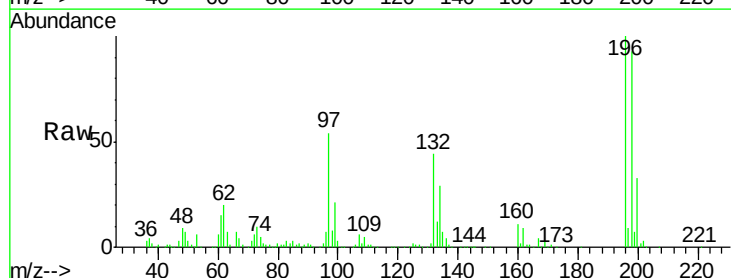
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

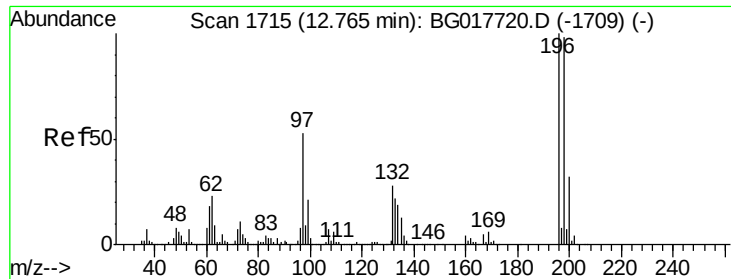
Tgt Ion:330 Resp: 219086  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.8 115.2  
 141 44.0 38.0 57.0



#42  
 2,4,6-Trichlorophenol  
 Concen: 40.99 ng  
 RT: 12.66 min Scan# 1698  
 Delta R.T. 0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion:196 Resp: 183337  
 Ion Ratio Lower Upper  
 196 100  
 198 93.2 76.2 114.4  
 200 32.6 24.6 36.8

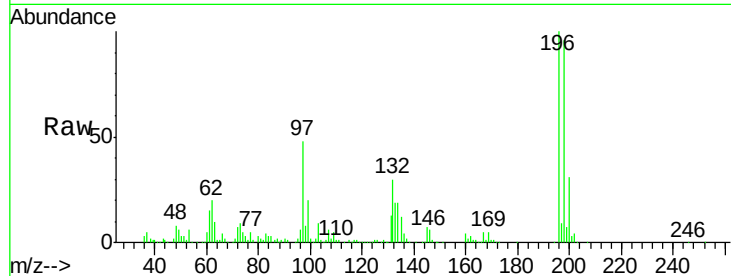




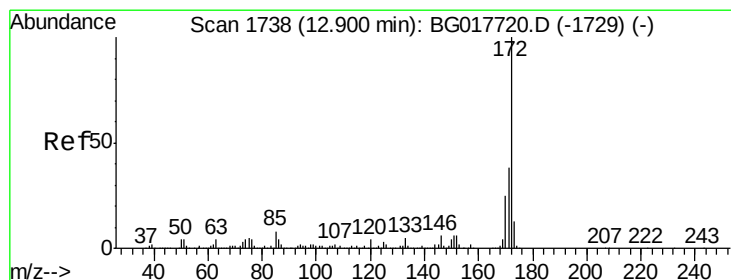
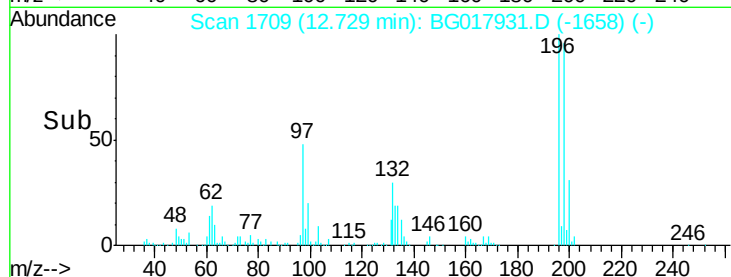
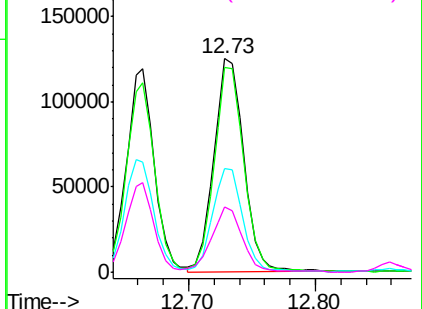
#43  
 2,4,5-Trichlorophenol  
 Concen: 43.85 ng  
 RT: 12.73 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 203965 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.7  | 78.1  | 117.1  |
| 97        | 48.4  | 42.6  | 64.0   |
| 132       | 30.3  | 22.6  | 33.8   |

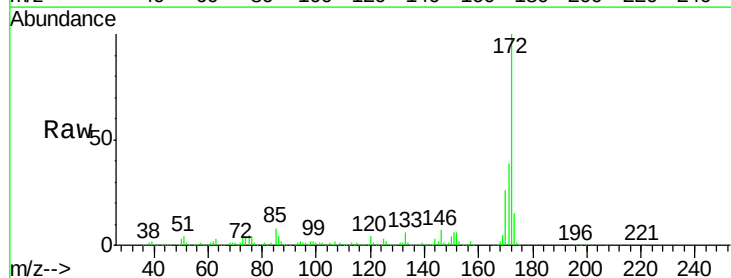


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

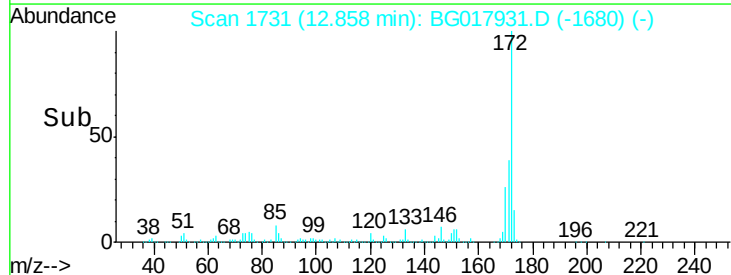
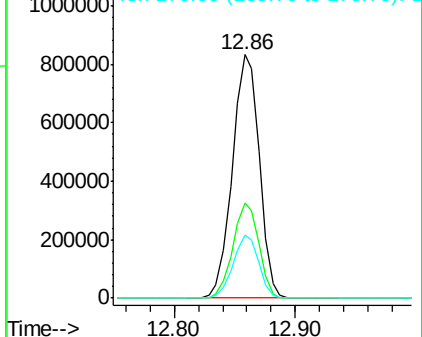


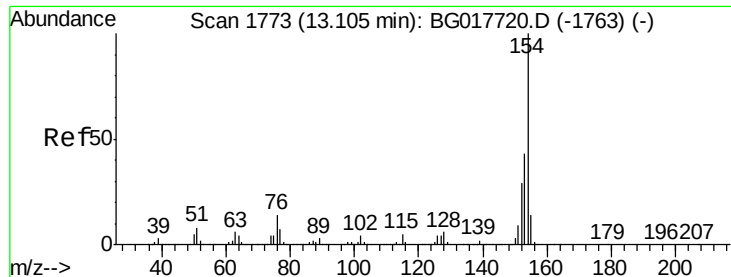
#44  
 2-Fluorobiphenyl  
 Concen: 86.99 ng  
 RT: 12.86 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 1287999 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 38.9  | 30.7  | 46.1    |
| 170       | 25.7  | 19.7  | 29.5    |



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

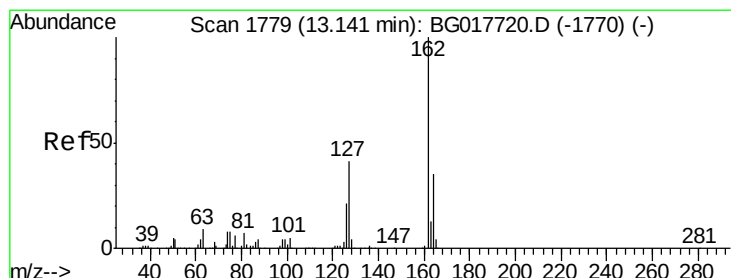
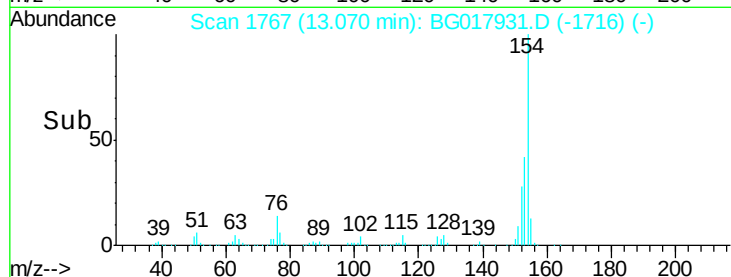
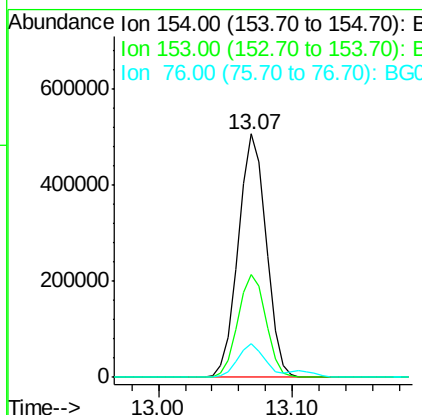
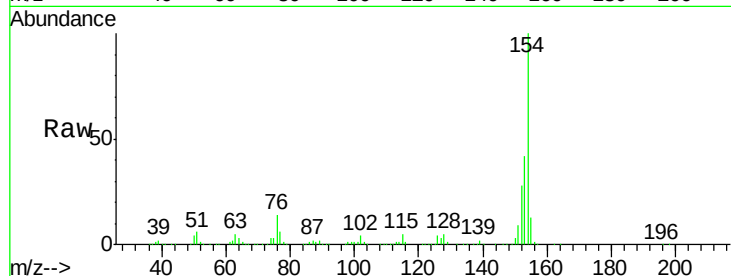




#45  
 1,1'-Biphenyl  
 Concen: 40.74 ng  
 RT: 13.07 min Scan# 1767  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

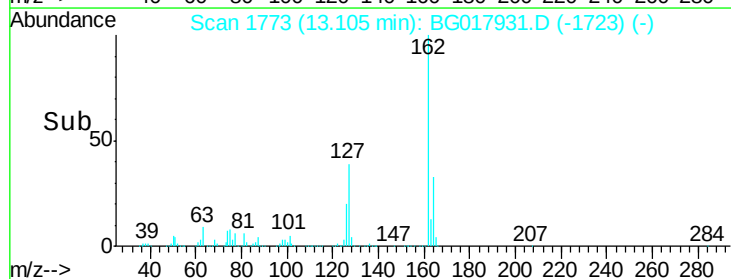
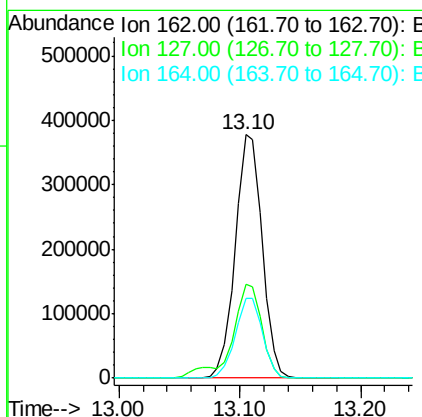
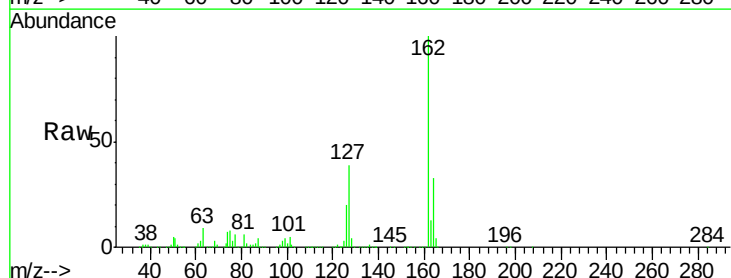
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

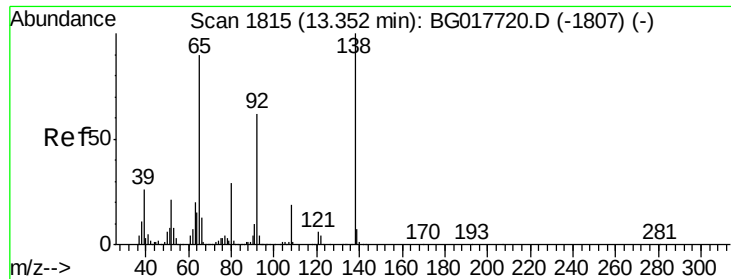
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 731930 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 42.3  | 23.5  | 63.5   |
| 76       | 13.6  | 0.0   | 33.7   |



#46  
 2-Chloronaphthalene  
 Concen: 40.25 ng  
 RT: 13.10 min Scan# 1773  
 Delta R.T. -0.01 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 586054 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 38.6  | 33.2  | 49.8   |
| 164      | 32.7  | 27.7  | 41.5   |





#47

2-Nitroaniline

Concen: 42.16 ng

RT: 13.32 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

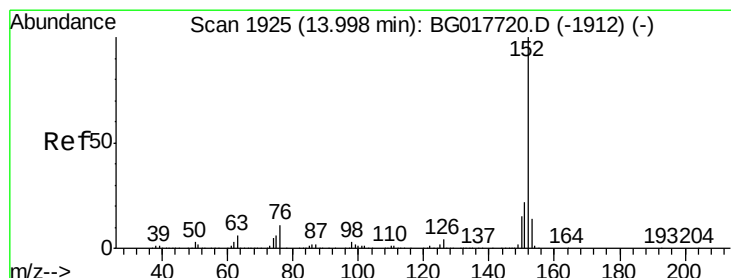
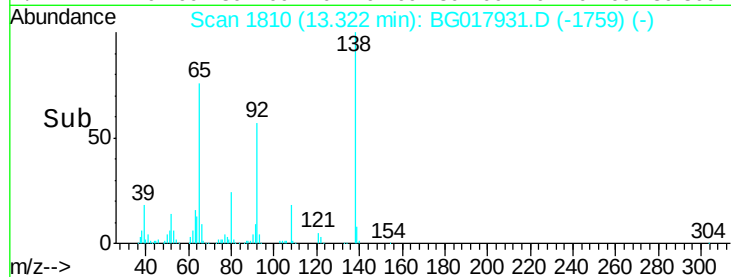
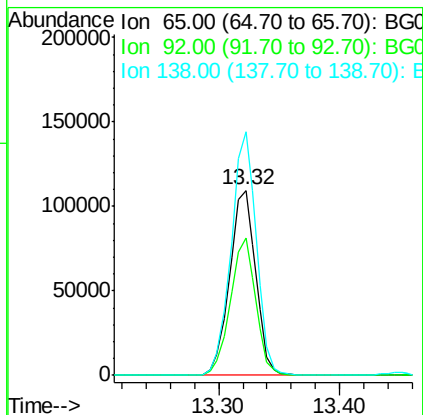
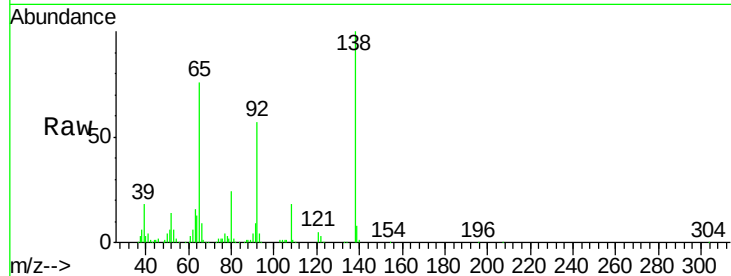
Tgt Ion: 65 Resp: 164804

Ion Ratio Lower Upper

65 100

92 74.3 55.4 83.2

138 131.5 89.1 133.7



#48

Acenaphthylene

Concen: 40.23 ng

RT: 13.96 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

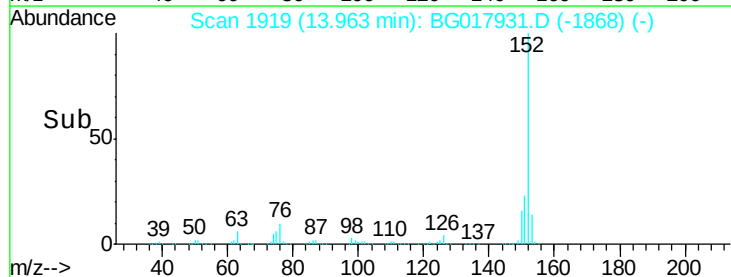
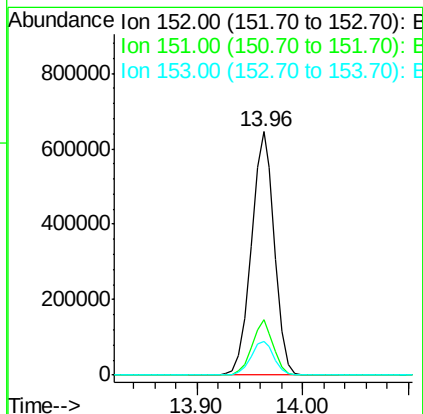
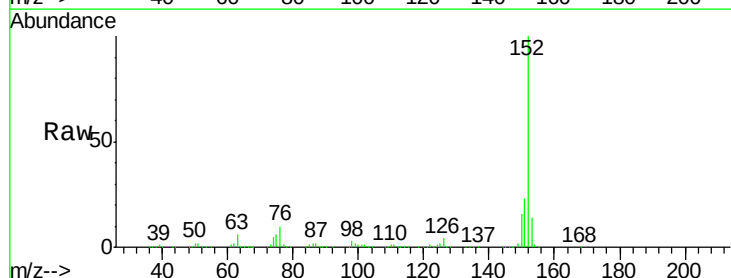
Tgt Ion: 152 Resp: 976720

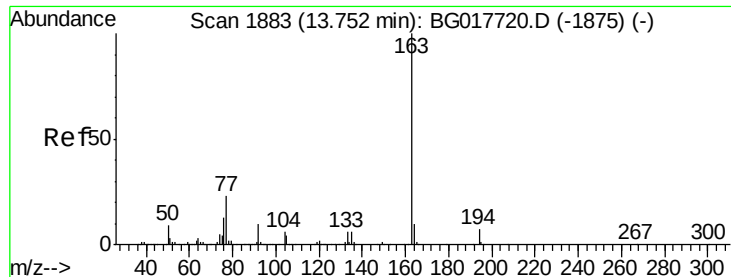
Ion Ratio Lower Upper

152 100

151 22.6 17.4 26.2

153 13.9 11.0 16.6





#49

Dimethylphthalate

Concen: 41.96 ng

RT: 13.71 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

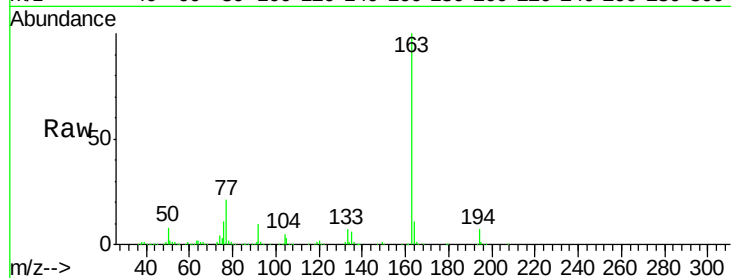
Tgt Ion:163 Resp: 747831

Ion Ratio Lower Upper

163 100

194 6.9 5.8 8.6

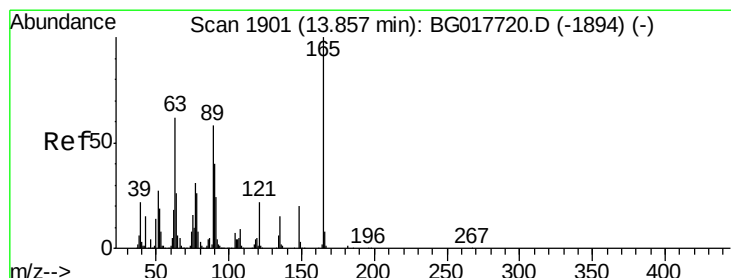
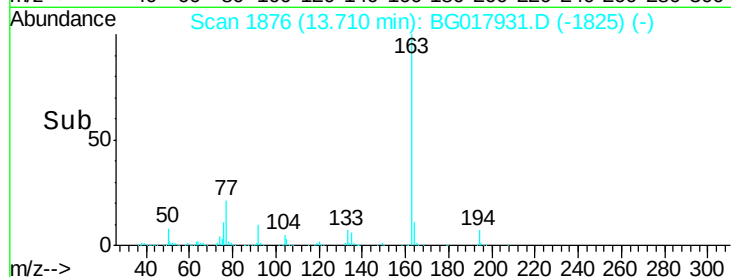
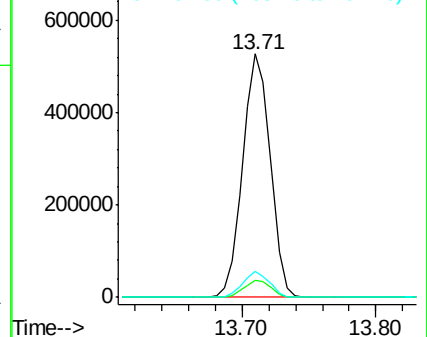
164 10.7 8.3 12.5



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: 42.47 ng

RT: 13.83 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

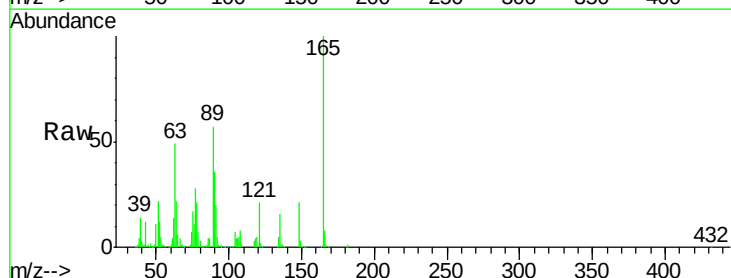
Tgt Ion:165 Resp: 171542

Ion Ratio Lower Upper

165 100

63 48.6 50.2 75.2#

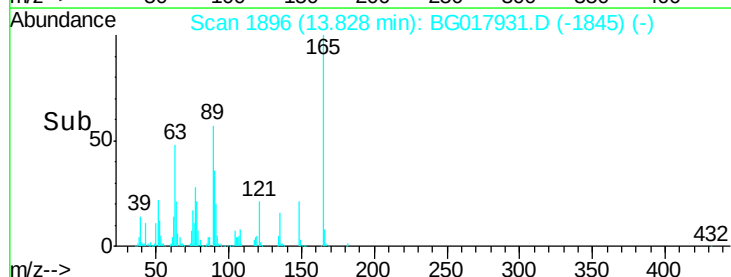
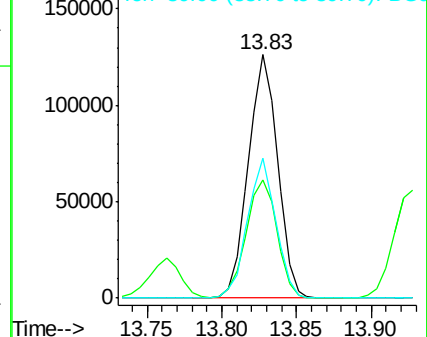
89 57.4 46.6 69.8

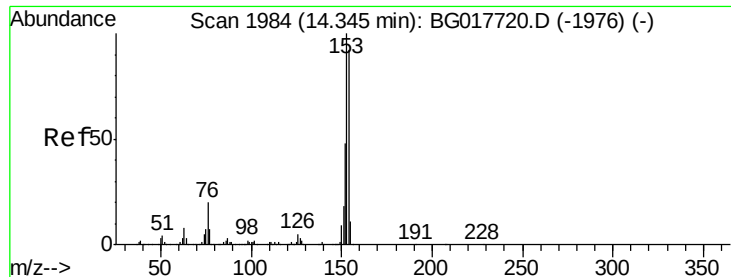


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 39.57 ng

RT: 14.31 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

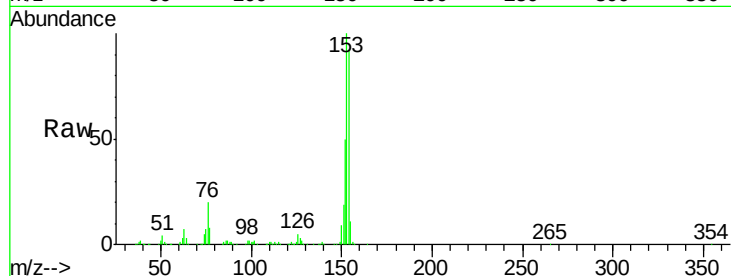
Tgt Ion:154 Resp: 581828

Ion Ratio Lower Upper

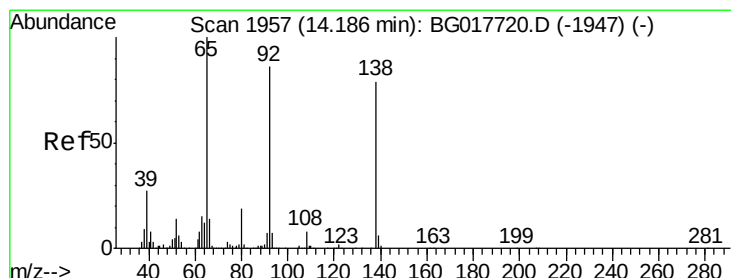
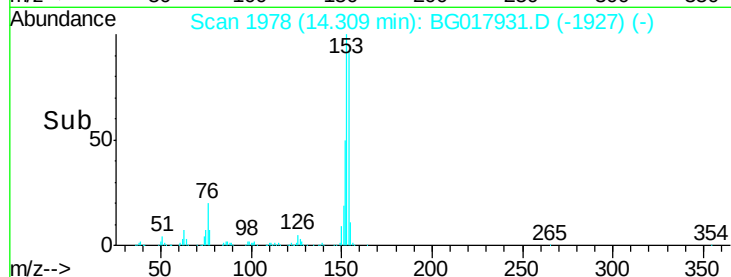
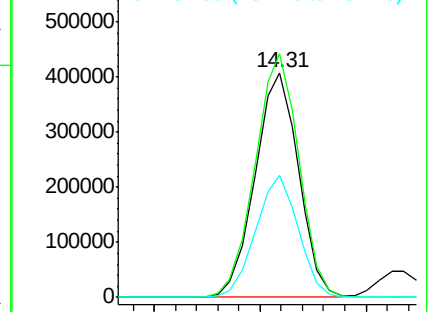
154 100

153 108.4 87.0 130.4

152 54.4 41.4 62.0



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: 24.99 ng

RT: 14.16 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

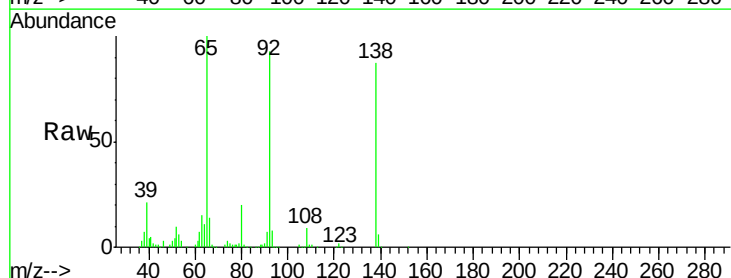
Tgt Ion:138 Resp: 113474

Ion Ratio Lower Upper

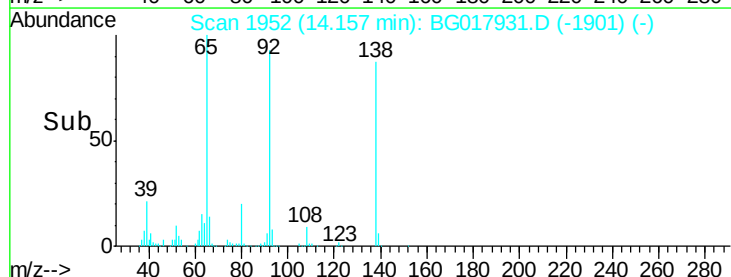
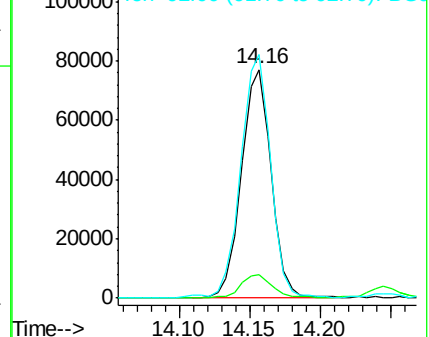
138 100

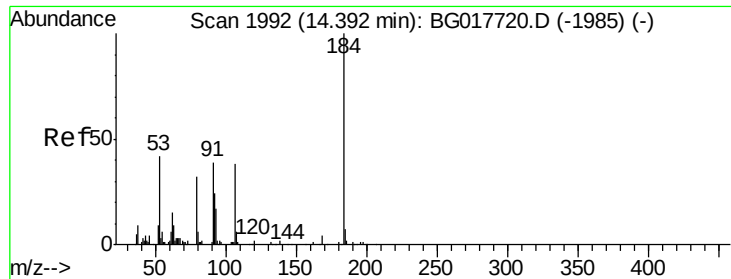
108 10.4 8.2 12.4

92 106.5 87.4 131.0



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

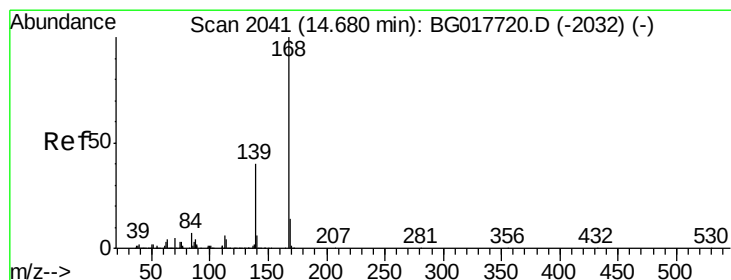
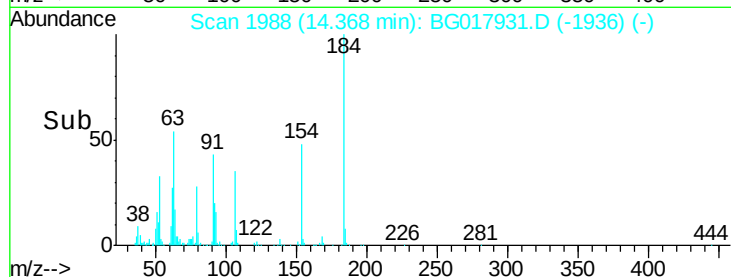
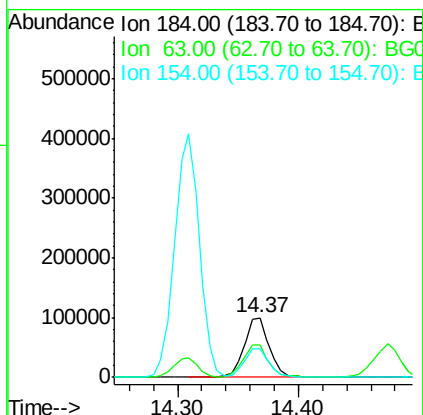
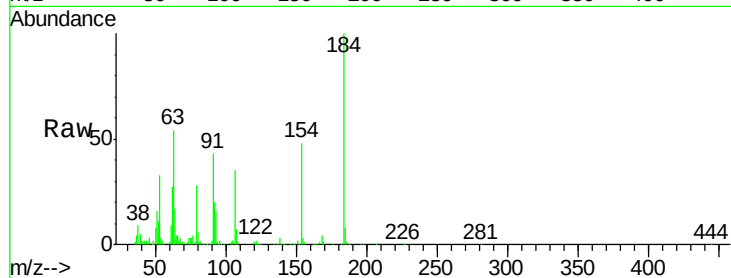




#53  
2,4-Dinitrophenol  
Concen: 69.72 ng  
RT: 14.37 min Scan# 1988  
Delta R.T. 0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

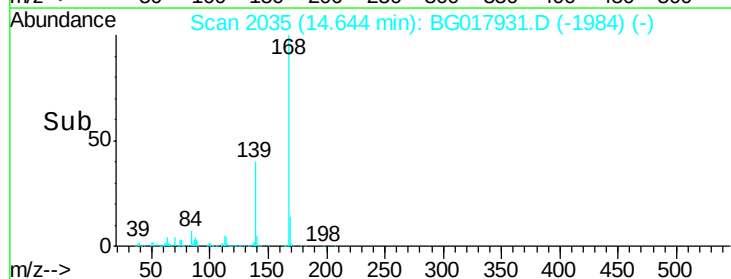
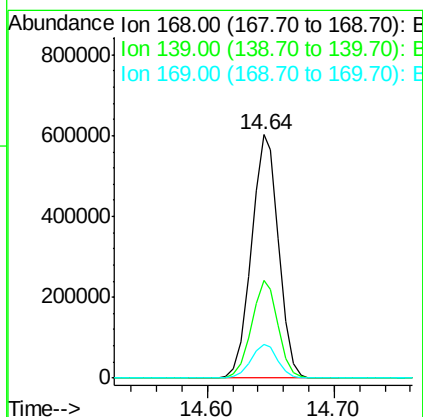
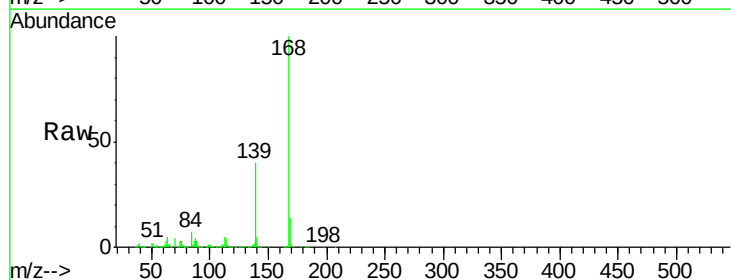
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

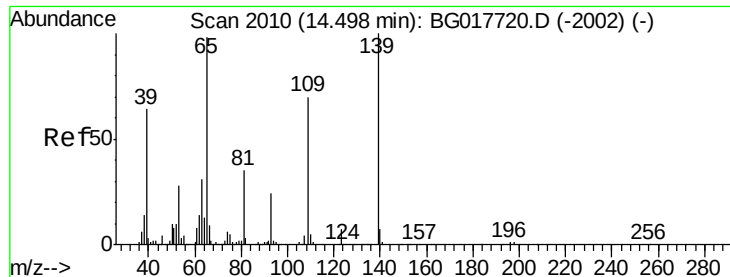
Tgt Ion:184 Resp: 144753  
Ion Ratio Lower Upper  
184 100  
63 54.5 47.8 71.6  
154 47.9 39.3 58.9



#54  
Dibenzofuran  
Concen: 42.11 ng  
RT: 14.64 min Scan# 2035  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion:168 Resp: 893354  
Ion Ratio Lower Upper  
168 100  
139 40.4 32.2 48.2  
169 14.0 11.3 16.9

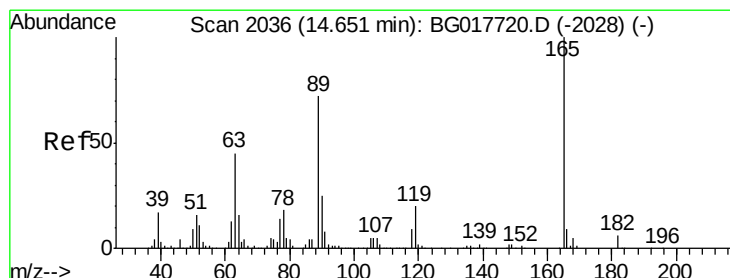
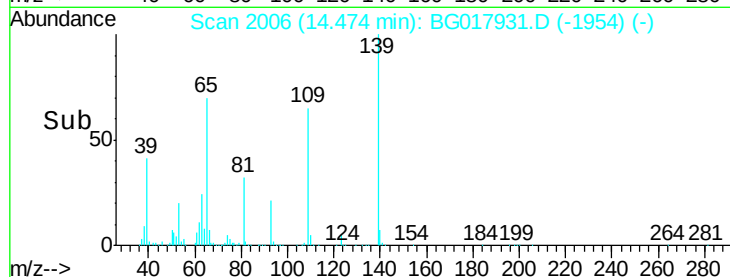
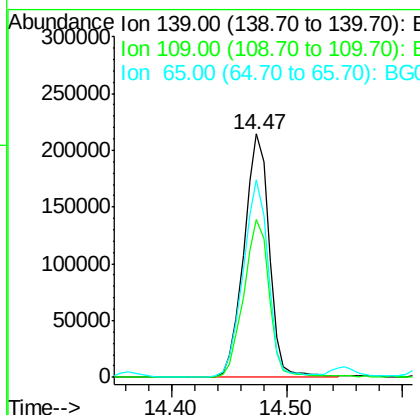
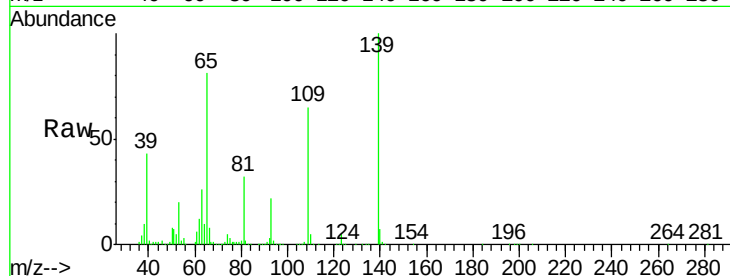




#55  
4-Nitrophenol  
Concen: 91.11 ng  
RT: 14.47 min Scan# 2006  
Delta R.T. 0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

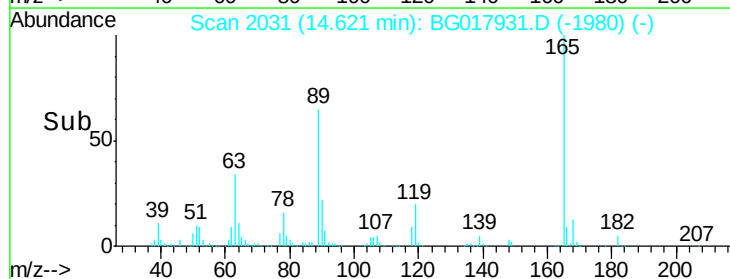
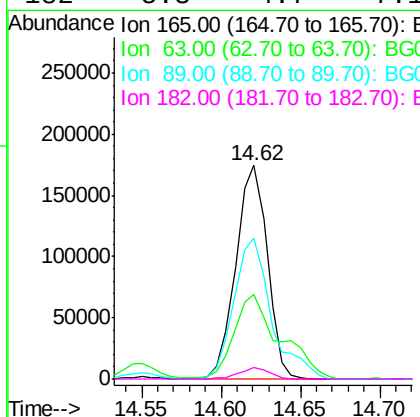
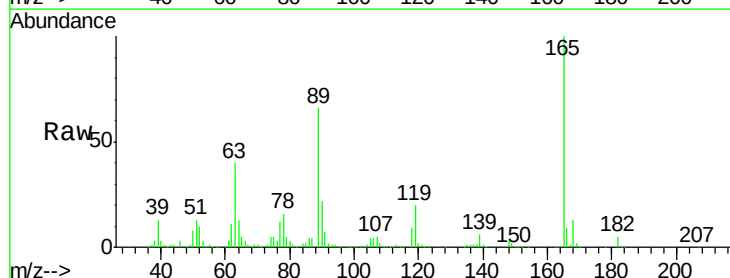
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

Tgt Ion:139 Resp: 327261  
Ion Ratio Lower Upper  
139 100  
109 65.0 50.3 90.3  
65 81.3 78.8 118.8

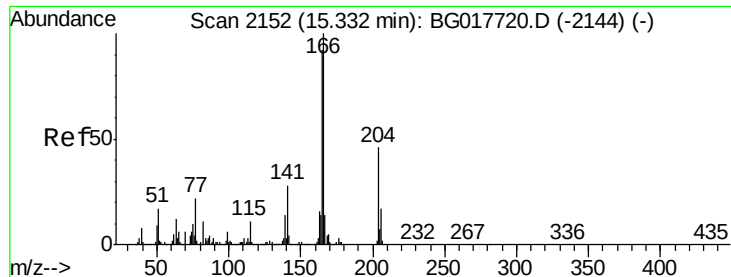


#56  
2,4-Dinitrotoluene  
Concen: 44.43 ng  
RT: 14.62 min Scan# 2031  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion:165 Resp: 240682  
Ion Ratio Lower Upper  
165 100  
63 39.7 36.2 54.4  
89 66.1 57.9 86.9  
182 5.3 4.7 7.1



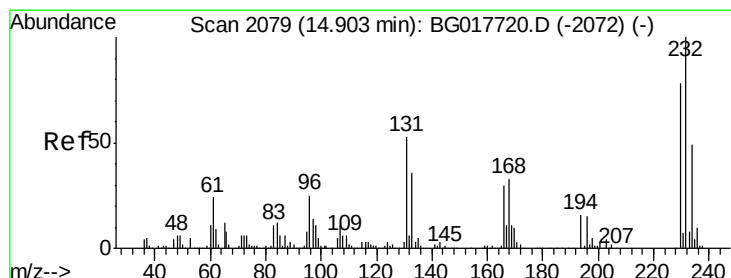
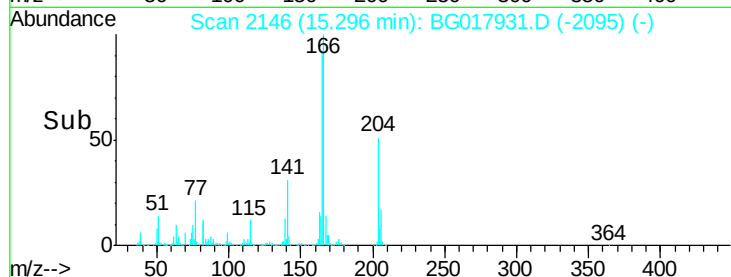
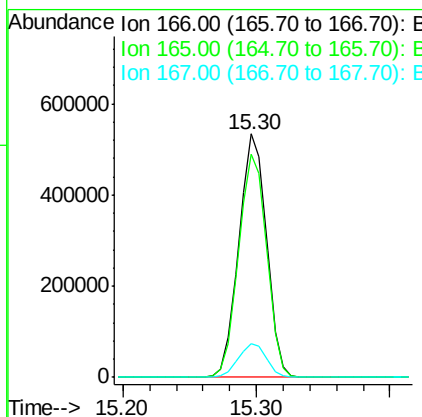
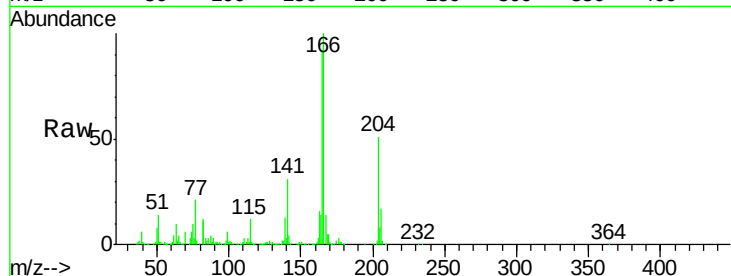




#57  
 Fluorene  
 Concen: 41.86 ng  
 RT: 15.30 min Scan# 2146  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

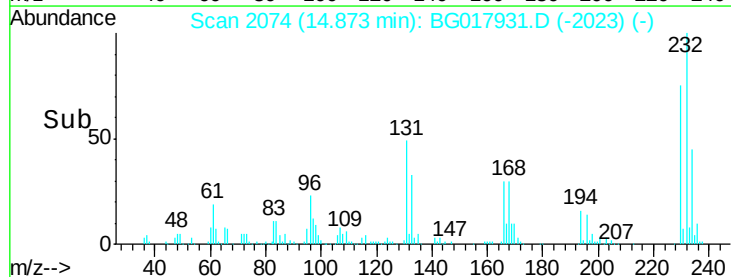
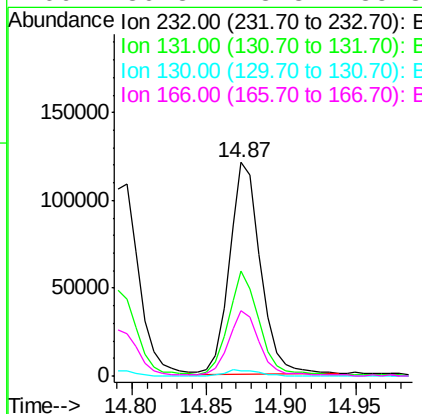
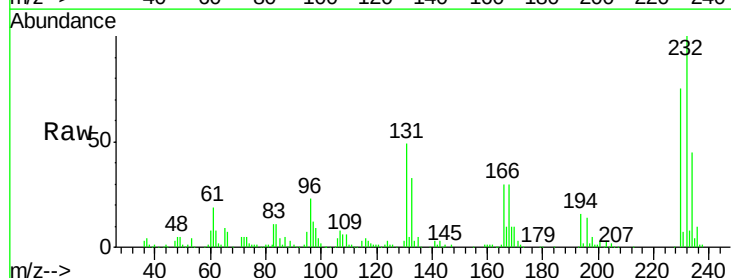
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

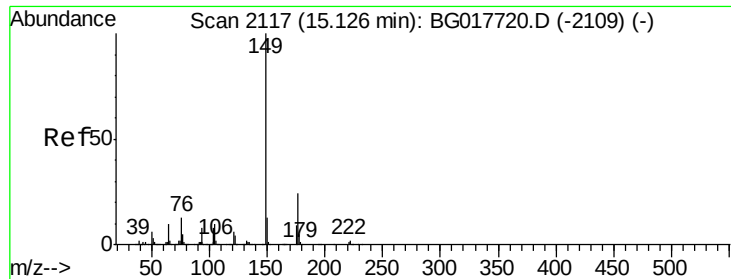
Tgt Ion:166 Resp: 763366  
 Ion Ratio Lower Upper  
 166 100  
 165 91.7 73.4 110.0  
 167 14.1 11.0 16.6



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 44.05 ng  
 RT: 14.87 min Scan# 2074  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion:232 Resp: 176624  
 Ion Ratio Lower Upper  
 232 100  
 131 48.3 40.8 61.2  
 130 3.1 2.4 3.6  
 166 30.3 23.8 35.8





#59

Diethylphthalate

Concen: 42.58 ng

RT: 15.08 min Scan# 2110

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

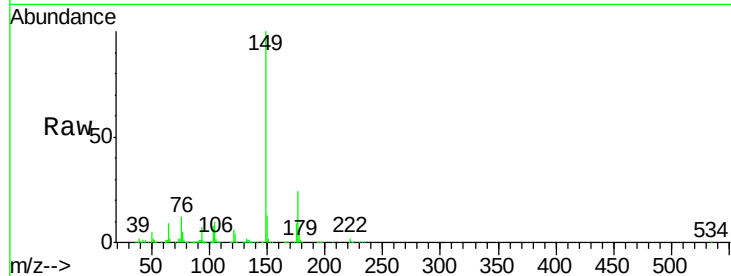
Tgt Ion:149 Resp: 786110

Ion Ratio Lower Upper

149 100

177 24.4 19.1 28.7

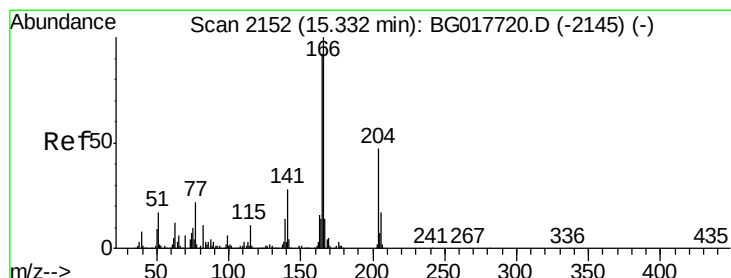
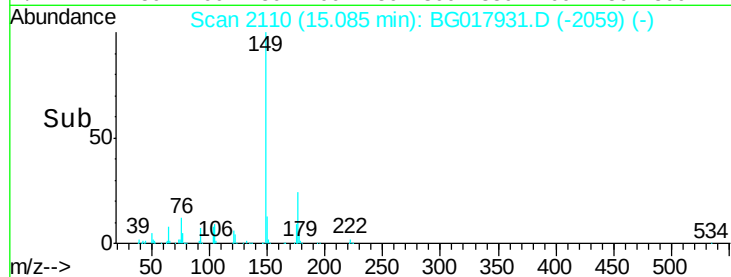
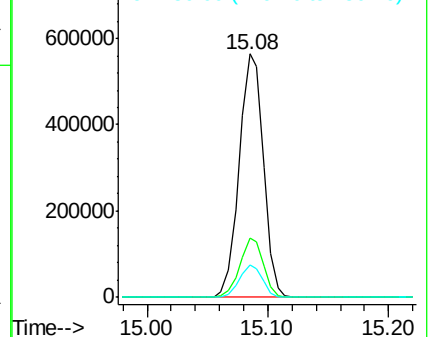
150 13.3 10.3 15.5



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: 41.62 ng

RT: 15.30 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

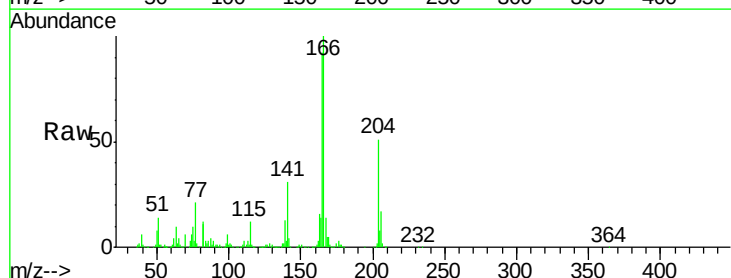
Tgt Ion:204 Resp: 372130

Ion Ratio Lower Upper

204 100

206 33.8 28.6 42.8

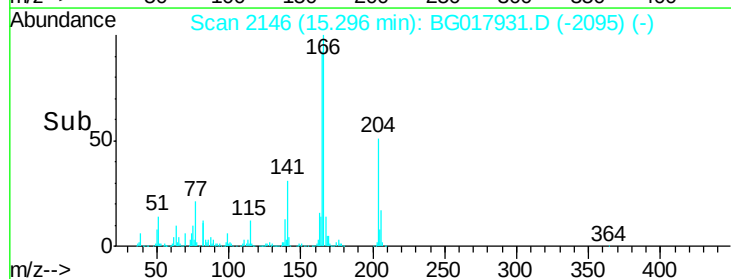
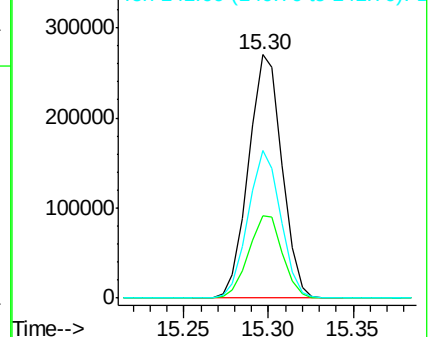
141 60.8 49.0 73.4

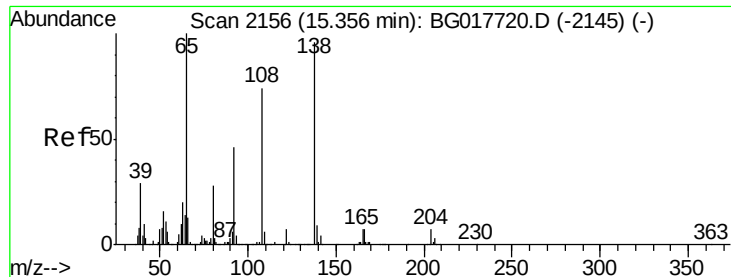


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 40.61 ng

RT: 15.33 min Scan# 2151

Delta R.T. 0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

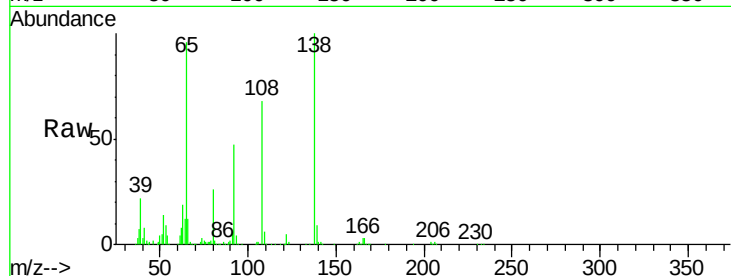
Tgt Ion:138 Resp: 216018

Ion Ratio Lower Upper

138 100

92 47.1 27.7 67.7

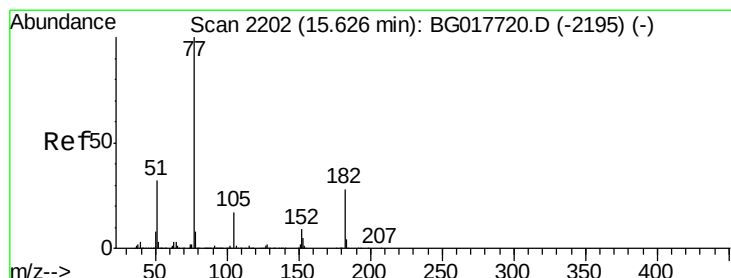
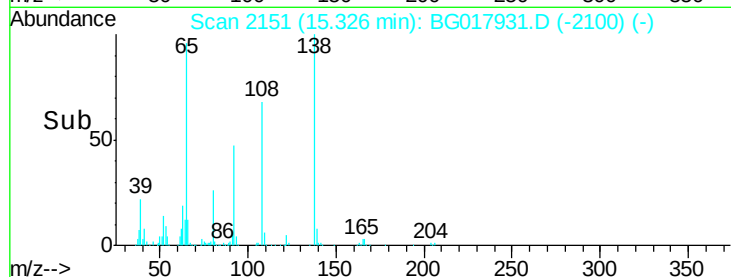
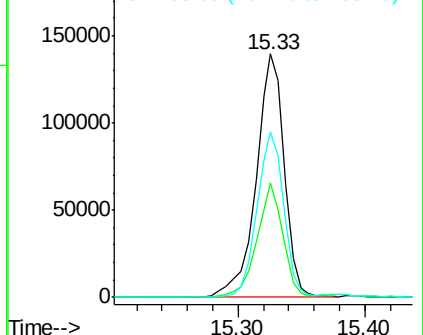
108 67.9 57.8 97.8



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 42.82 ng

RT: 15.59 min Scan# 2196

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Tgt Ion: 77 Resp: 730447

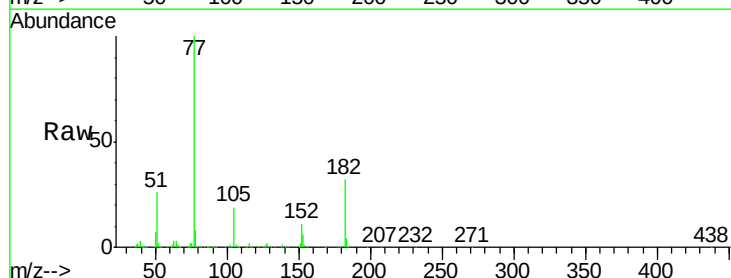
Ion Ratio Lower Upper

77 100

182 31.9 8.2 48.2

105 18.7 0.0 36.6

51 26.1 11.7 51.7

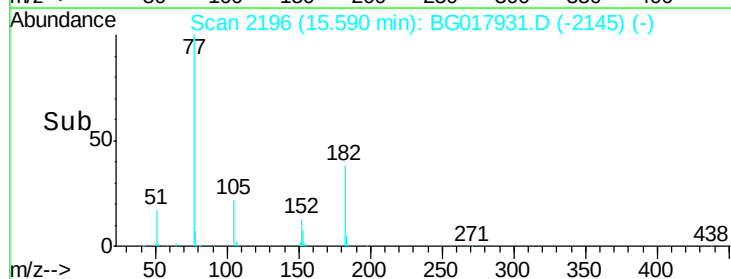
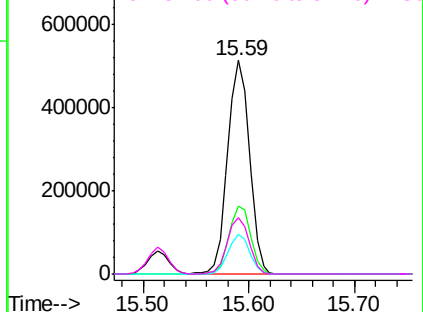


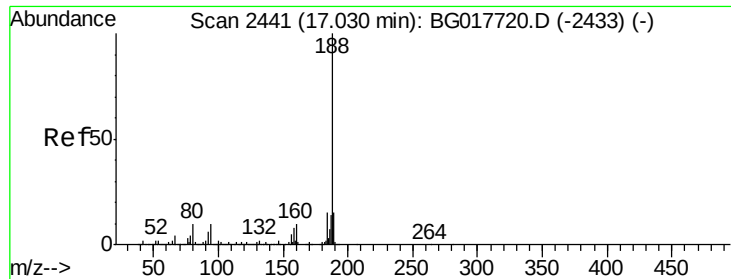
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

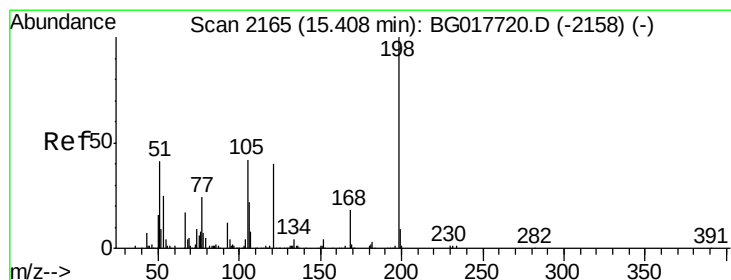
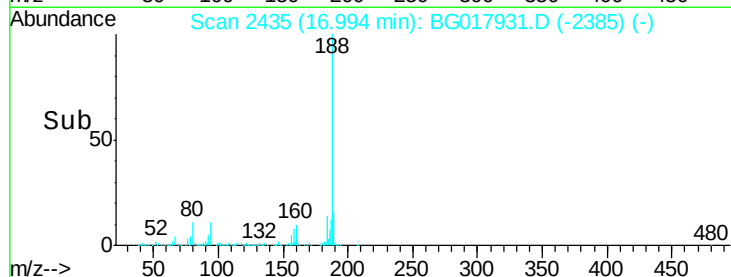
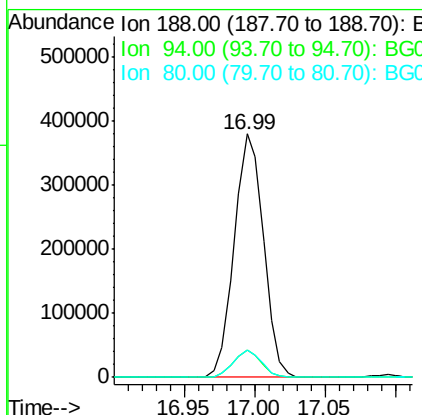
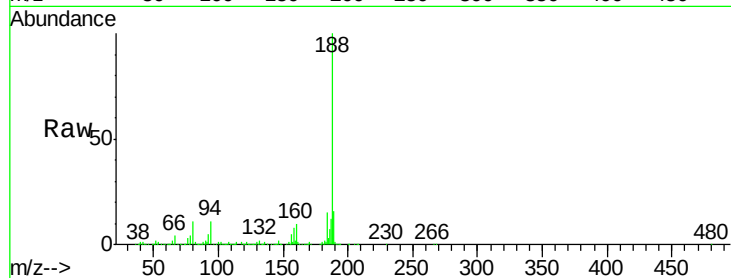




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.99 min Scan# 2435  
Delta R.T. -0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

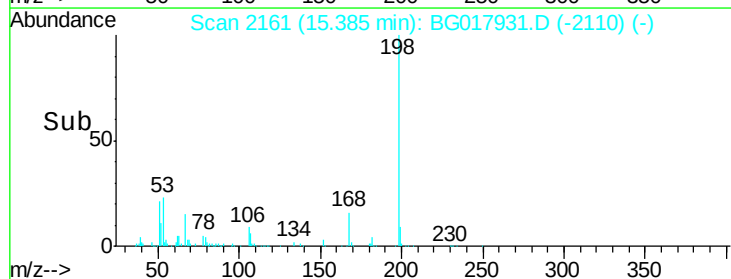
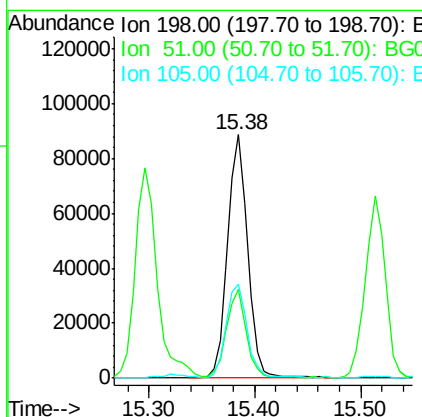
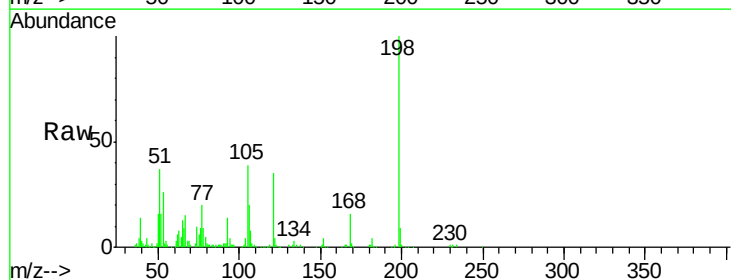
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

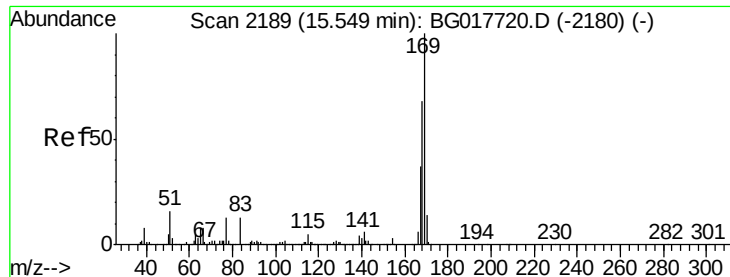
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.4  | 8.2   | 12.2  |
| 80      | 11.2  | 8.2   | 12.4  |



#64  
4,6-Dinitro-2-methylphenol  
Concen: 42.32 ng  
RT: 15.38 min Scan# 2161  
Delta R.T. 0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 36.5  | 27.0  | 67.0  |
| 105     | 38.6  | 23.3  | 63.3  |

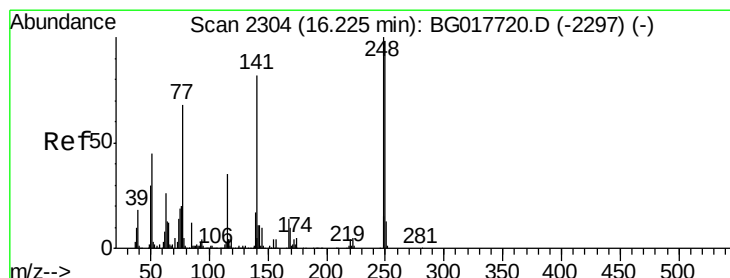
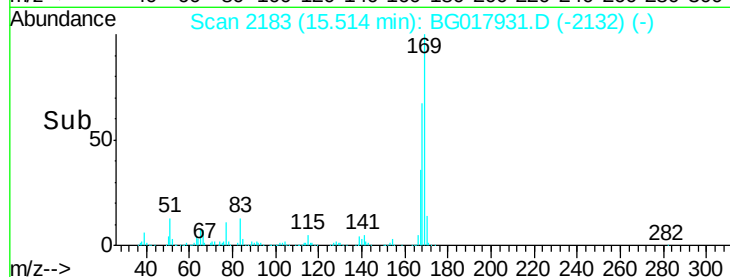
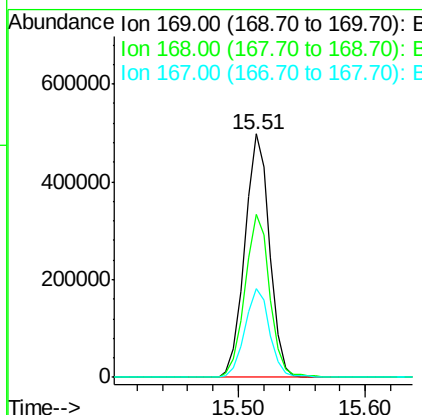
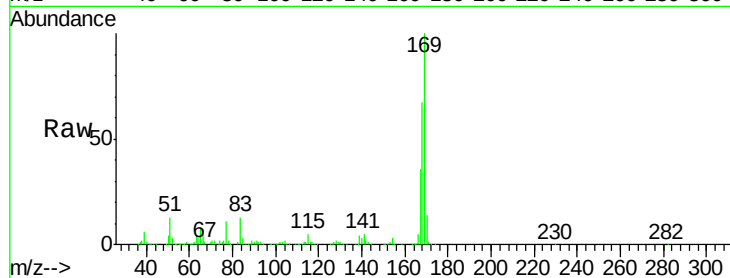




#65  
 n-Nitrosodiphenylamine  
 Concen: 40.67 ng  
 RT: 15.51 min Scan# 2183  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

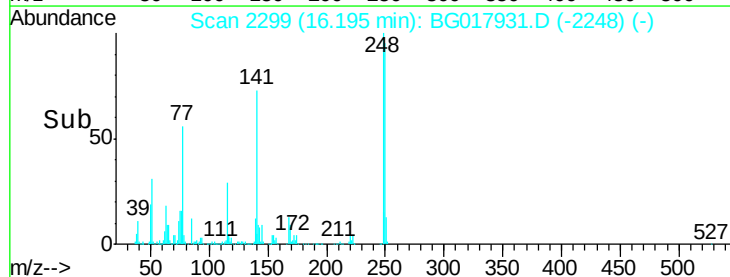
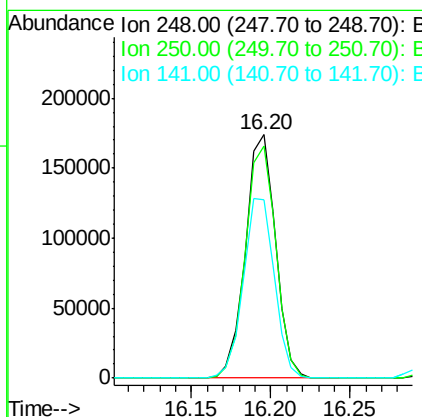
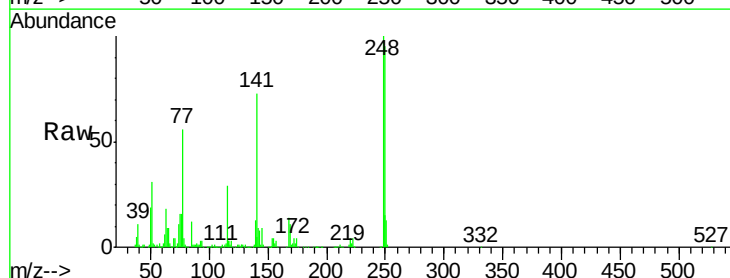
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

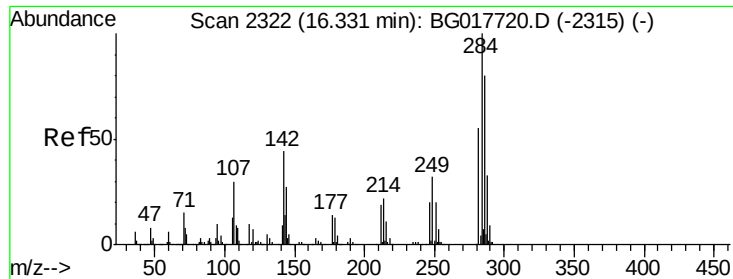
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 67.2  | 54.1  | 81.1  |
| 167     | 36.4  | 29.4  | 44.2  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 41.60 ng  
 RT: 16.20 min Scan# 2299  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.1  | 78.0  | 117.0 |
| 141     | 73.1  | 65.7  | 98.5  |

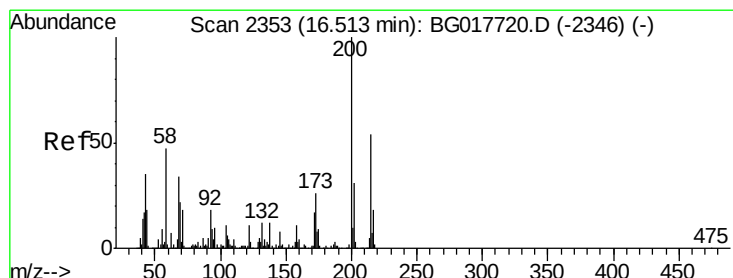
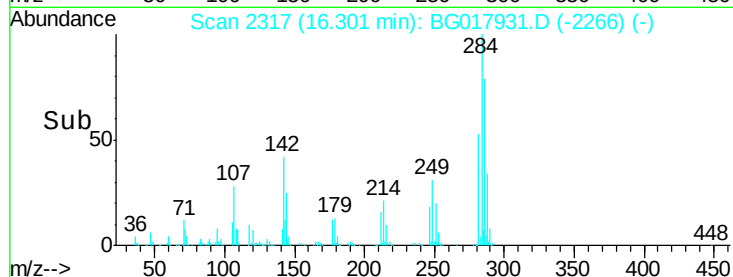
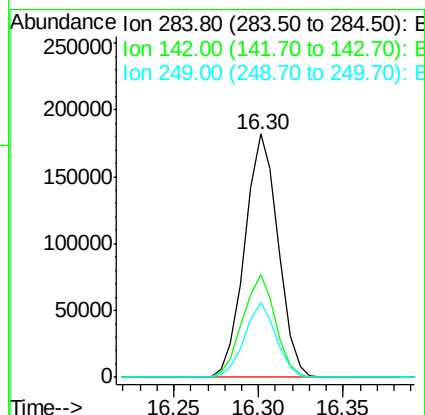
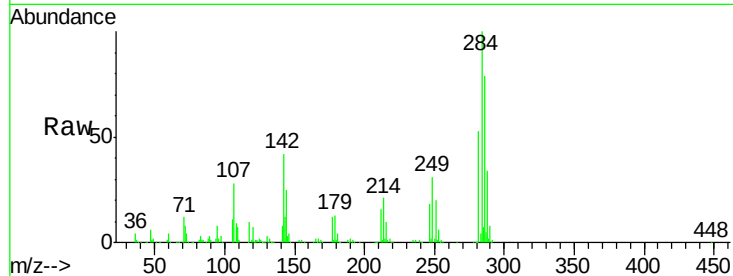




#67  
Hexachlorobenzene  
Concen: 40.98 ng  
RT: 16.30 min Scan# 2317  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

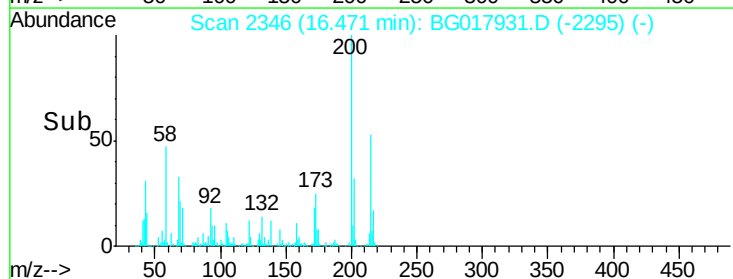
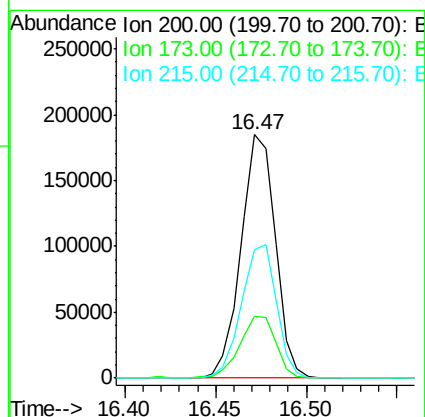
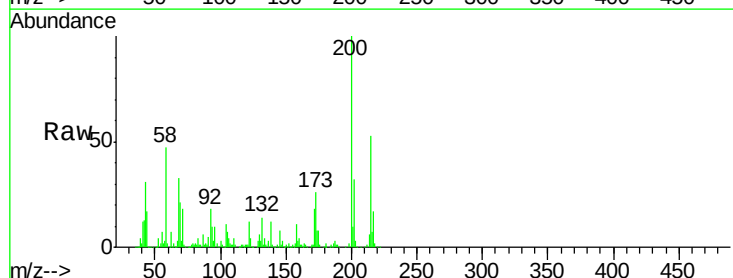
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

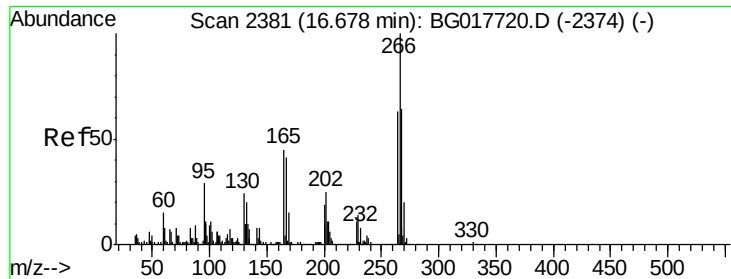
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 42.1  | 35.2  | 52.8  |
| 249     | 30.9  | 25.4  | 38.0  |



#68  
Atrazine  
Concen: 45.19 ng  
RT: 16.47 min Scan# 2346  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.5  | 5.6   | 45.6  |
| 215     | 52.8  | 34.1  | 74.1  |

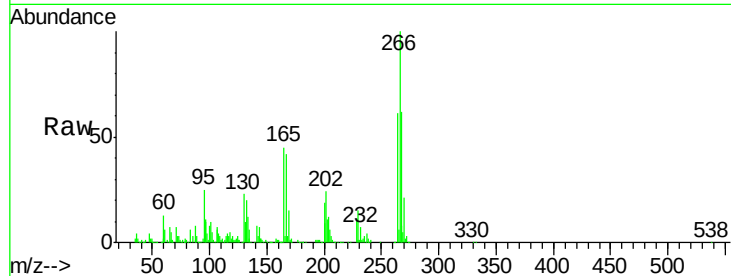




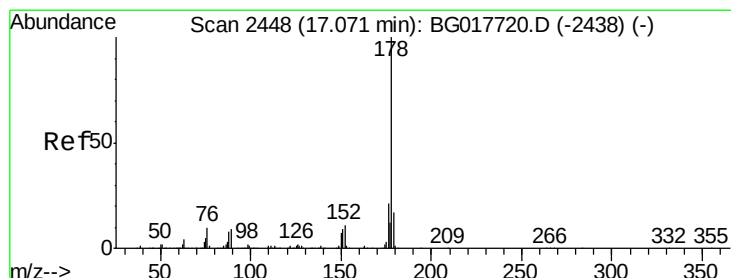
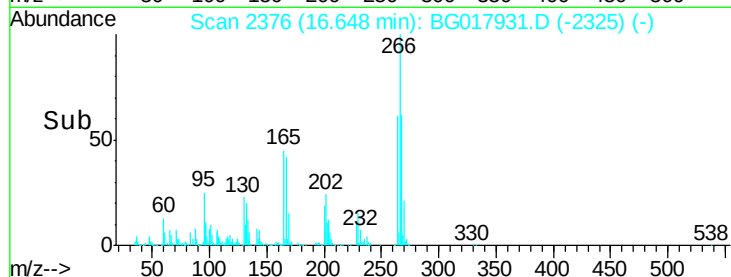
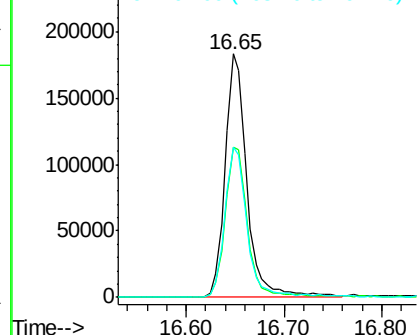
#69  
 Pentachlorophenol  
 Concen: 73.35 ng  
 RT: 16.65 min Scan# 2376  
 Delta R.T. 0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Tgt Ion: 266 Resp: 283548  
 Ion Ratio Lower Upper  
 266 100  
 268 61.6 51.0 76.6  
 264 61.5 50.7 76.1

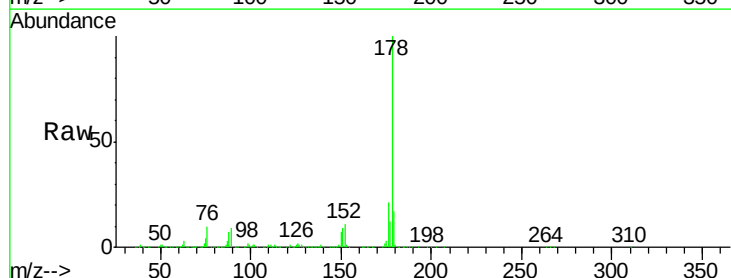


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

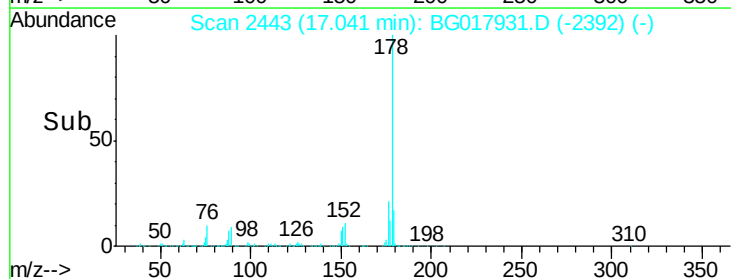
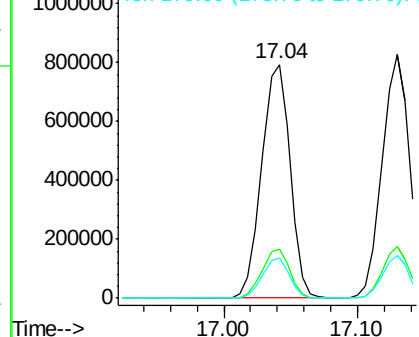


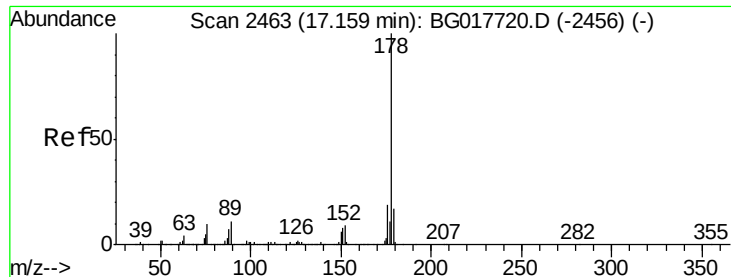
#70  
 Phenanthrene  
 Concen: 41.14 ng  
 RT: 17.04 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion: 178 Resp: 1165272  
 Ion Ratio Lower Upper  
 178 100  
 176 21.2 16.5 24.7  
 179 17.2 13.5 20.3



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

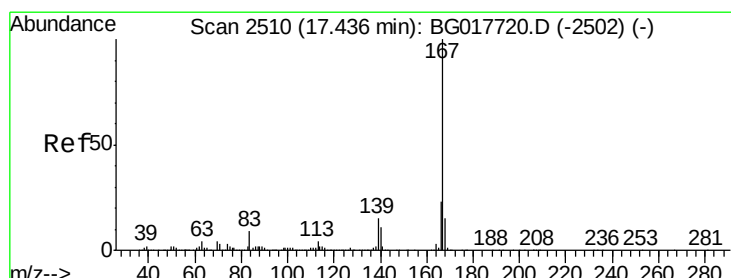
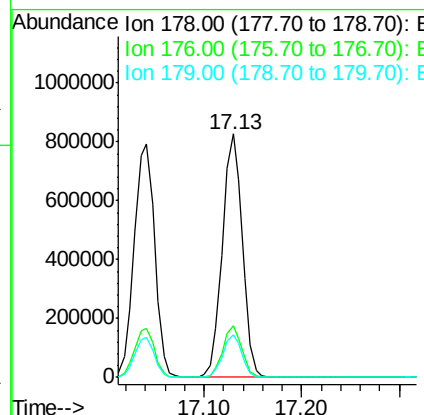
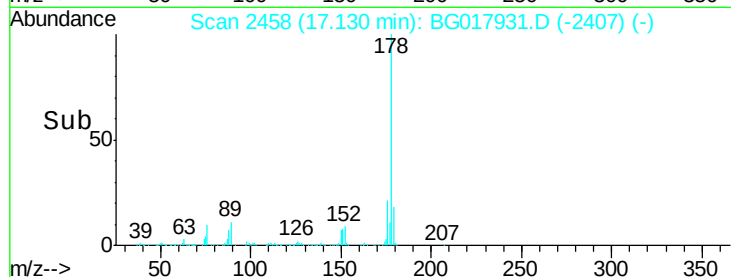
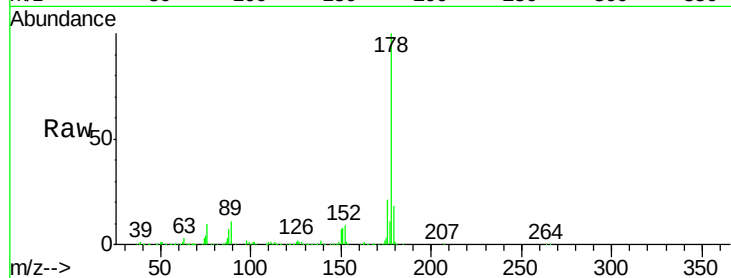




#71  
 Anthracene  
 Concen: 42.50 ng  
 RT: 17.13 min Scan# 2458  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

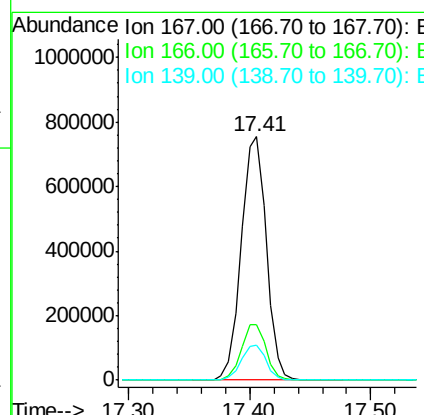
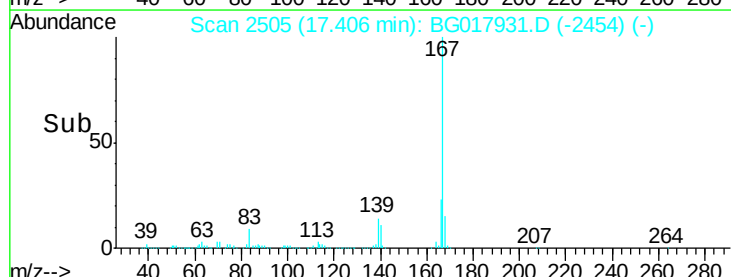
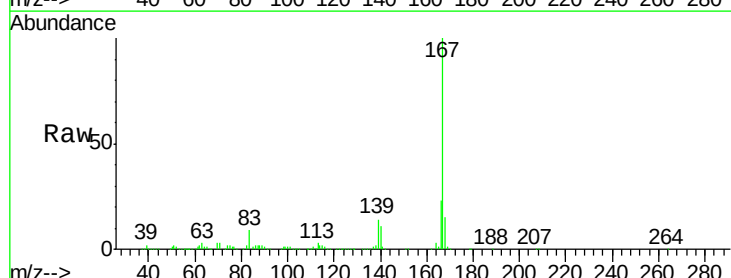
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Tgt Ion:178 Resp: 1171448  
 Ion Ratio Lower Upper  
 178 100  
 176 21.0 15.2 22.8  
 179 17.6 13.6 20.4

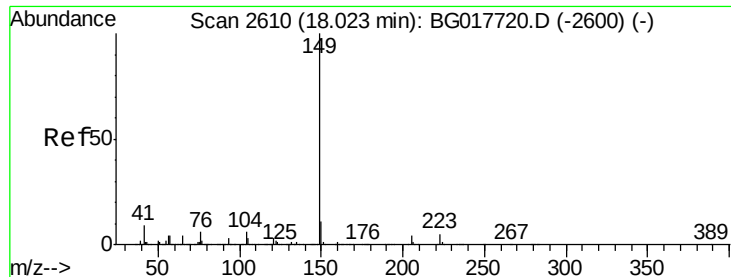


#72  
 Carbazole  
 Concen: 42.10 ng  
 RT: 17.41 min Scan# 2505  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion:167 Resp: 1096357  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 18.3 27.5  
 139 14.3 11.9 17.9



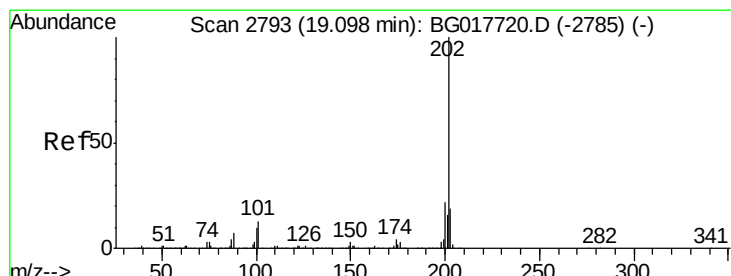
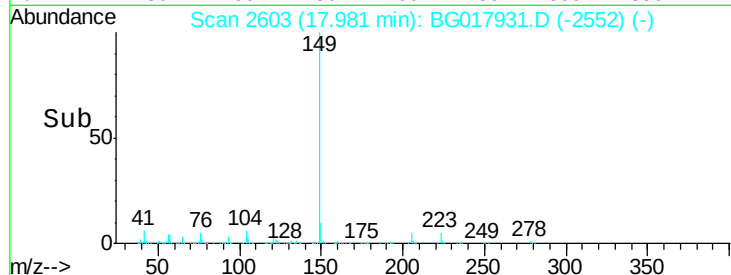
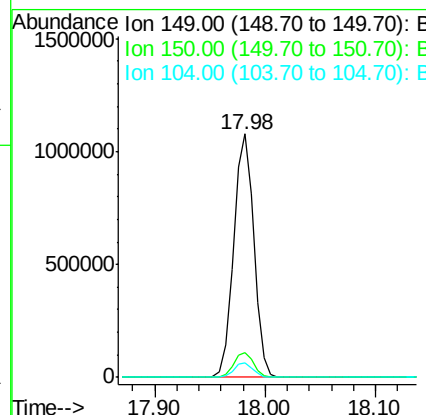
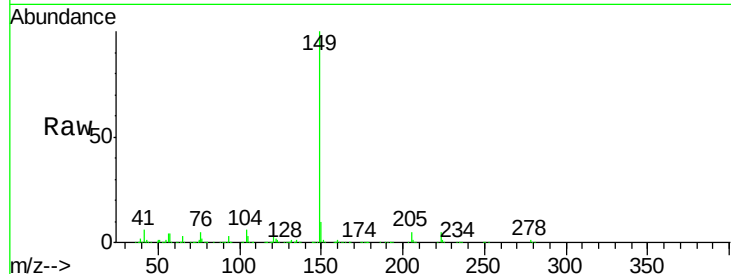




#73  
Di-n-butylphthalate  
Concen: 43.25 ng  
RT: 17.98 min Scan# 2603  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

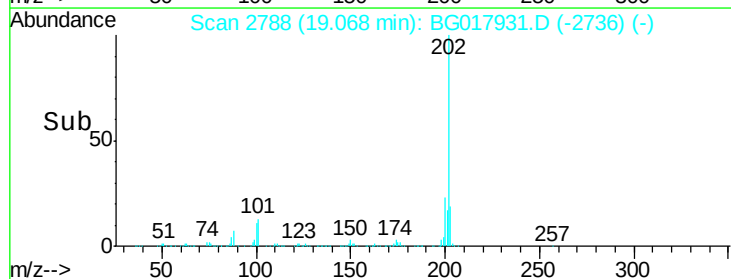
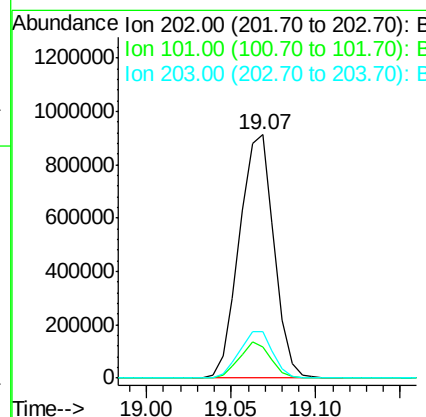
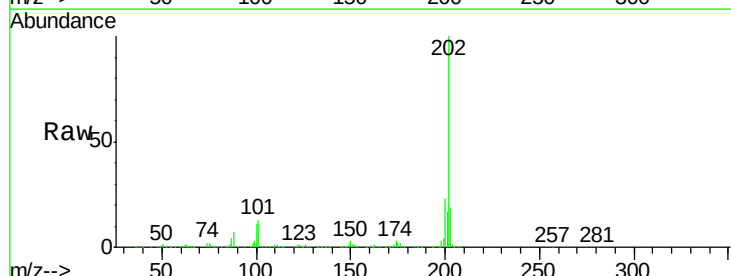
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

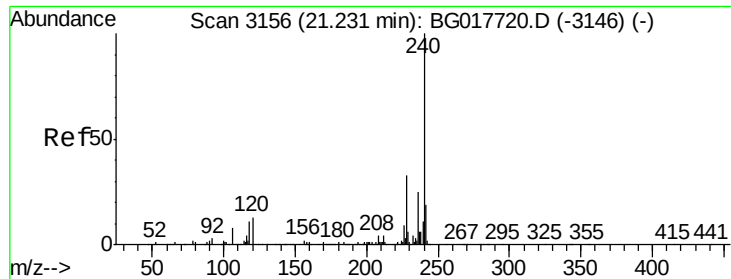
Tgt Ion:149 Resp: 1380392  
Ion Ratio Lower Upper  
149 100  
150 10.2 8.6 12.8  
104 6.0 5.0 7.6



#74  
Fluoranthene  
Concen: 42.02 ng  
RT: 19.07 min Scan# 2788  
Delta R.T. 0.01 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion:202 Resp: 1302991  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 33.3  
203 19.3 0.0 39.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

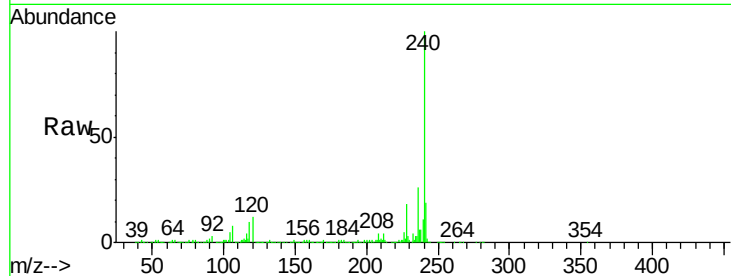
Tgt Ion:240 Resp: 580585

Ion Ratio Lower Upper

240 100

120 12.2 10.8 16.2

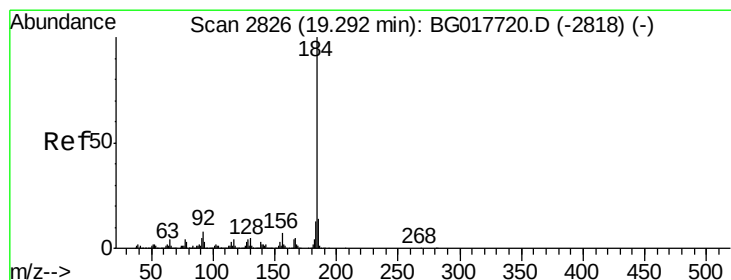
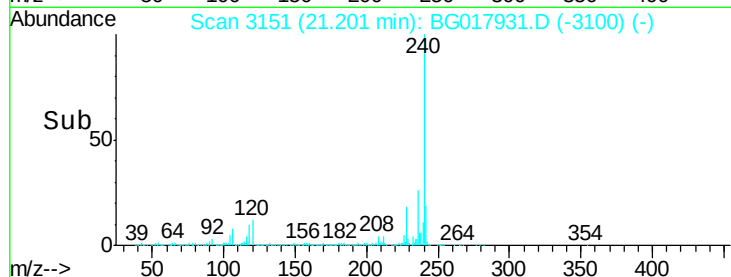
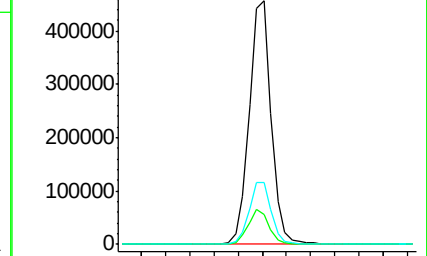
236 25.6 20.0 30.0



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: 21.92 ng

RT: 19.26 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

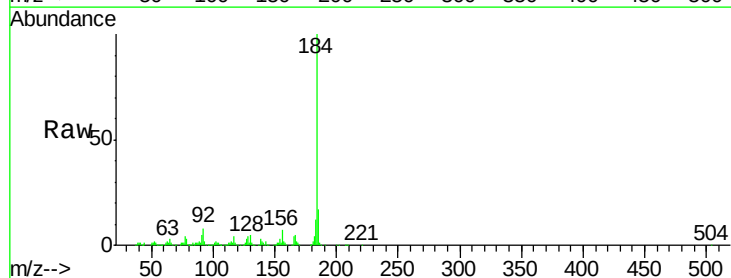
Tgt Ion:184 Resp: 361414

Ion Ratio Lower Upper

184 100

185 16.7 11.5 17.3

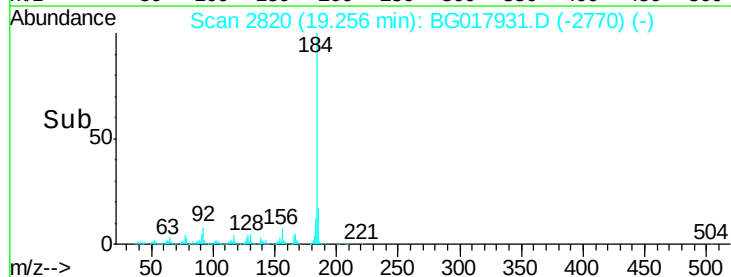
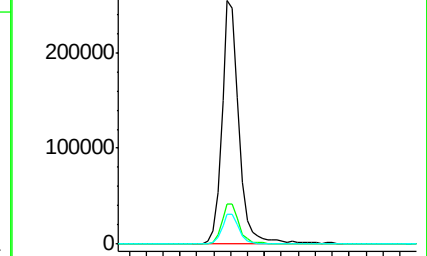
183 12.3 10.0 15.0

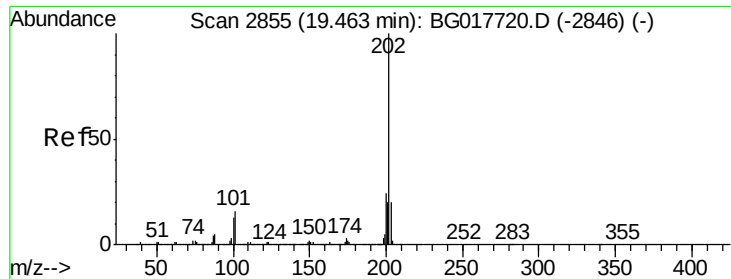


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 41.21 ng

RT: 19.43 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

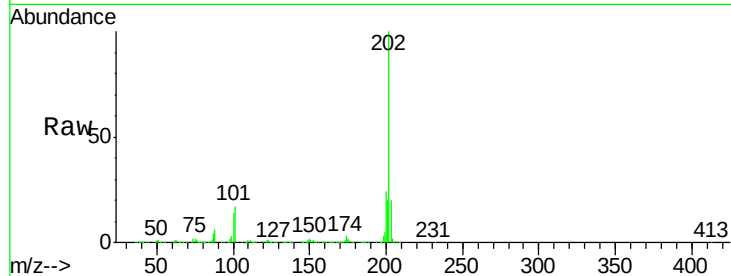
Tgt Ion:202 Resp: 1334309

Ion Ratio Lower Upper

202 100

200 23.6 18.8 28.2

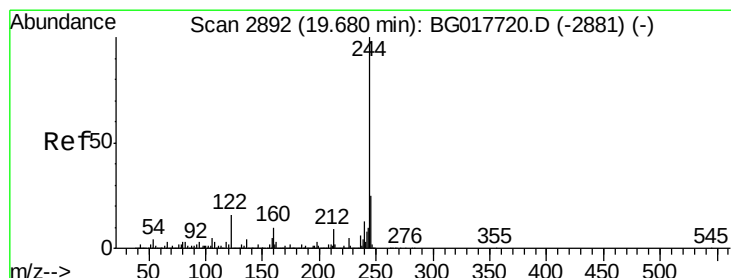
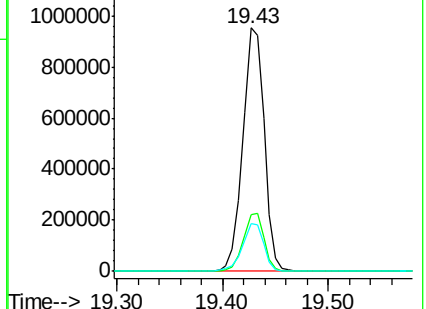
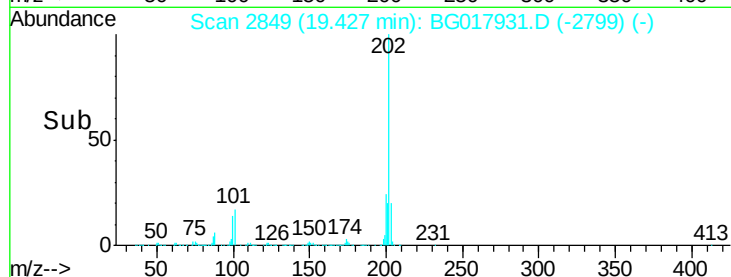
203 19.8 15.9 23.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 78.96 ng

RT: 19.64 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

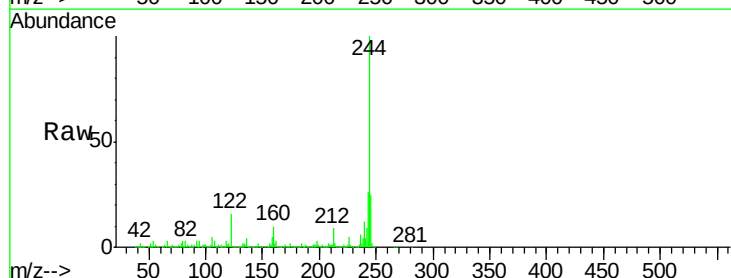
Tgt Ion:244 Resp: 1819819

Ion Ratio Lower Upper

244 100

212 9.2 7.2 10.8

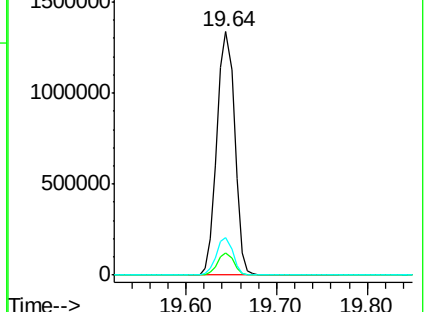
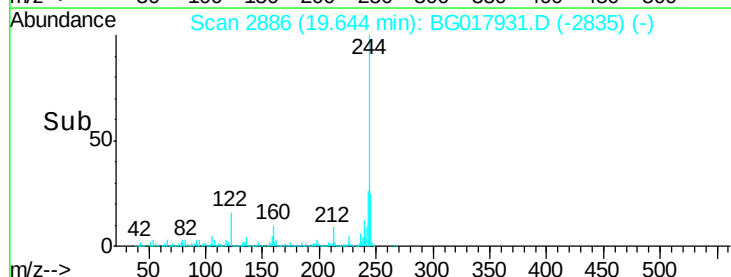
122 15.5 12.8 19.2

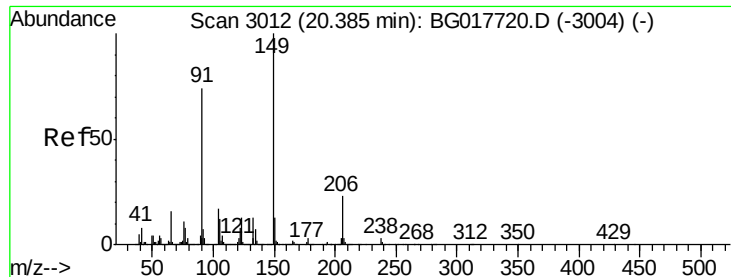


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

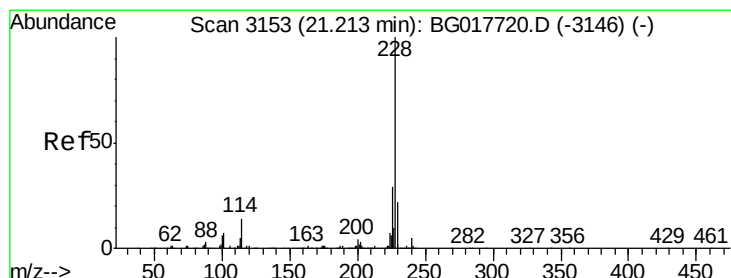
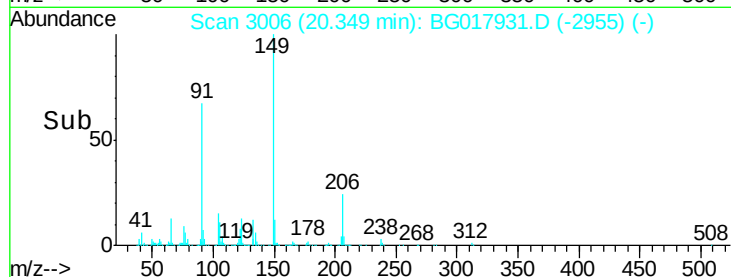
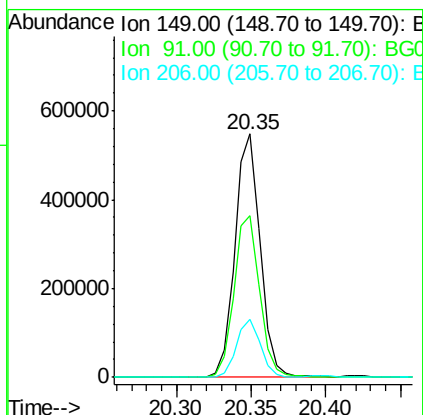
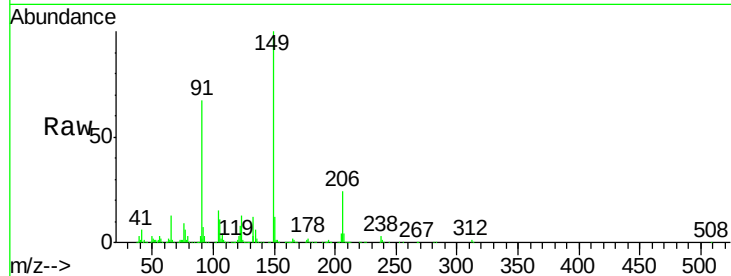




#79  
Butylbenzylphthalate  
Concen: 44.76 ng  
RT: 20.35 min Scan# 3006  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

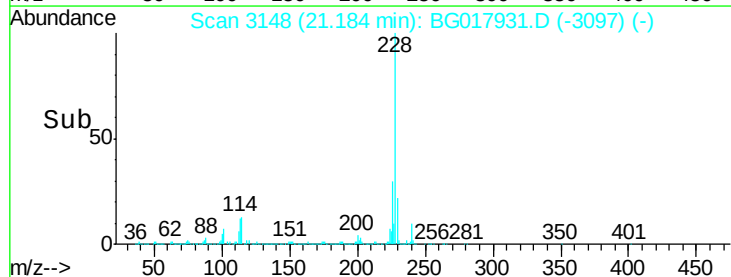
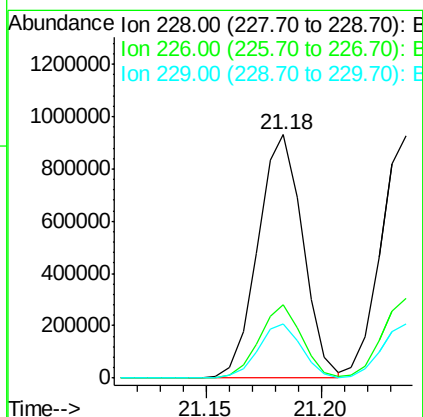
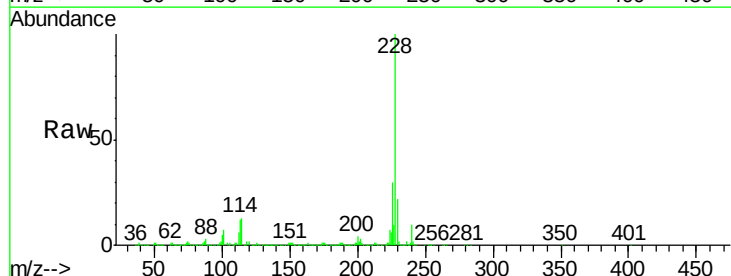
Instrument :  
BNA\_G  
ClientSampleId :  
PB84519BS

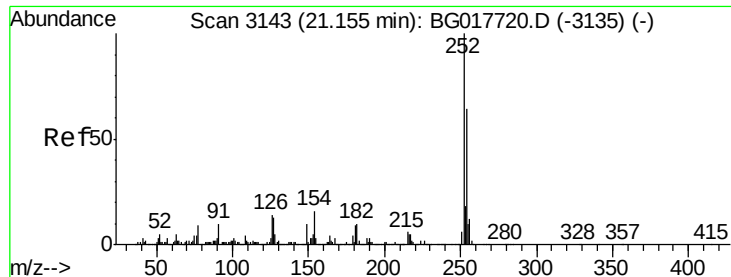
Tgt Ion:149 Resp: 649036  
Ion Ratio Lower Upper  
149 100  
91 66.6 59.5 89.3  
206 23.7 18.5 27.7



#80  
Benzo(a)anthracene  
Concen: 40.90 ng  
RT: 21.18 min Scan# 3148  
Delta R.T. -0.00 min  
Lab File: BG017931.D  
Acq: 17 Jul 2015 18:38

Tgt Ion:228 Resp: 1254255  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.1 34.7  
229 22.1 17.4 26.0

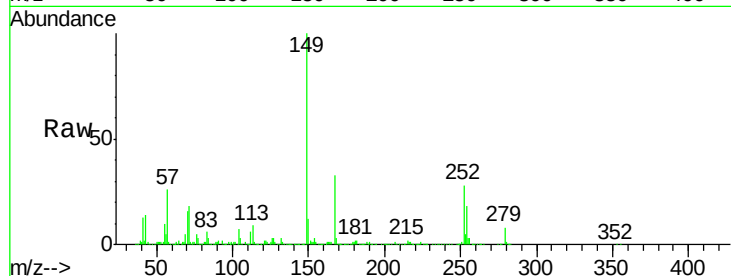




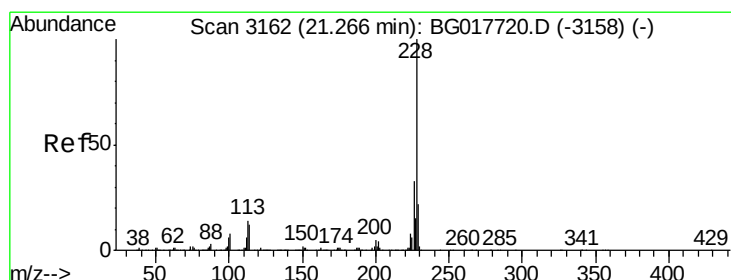
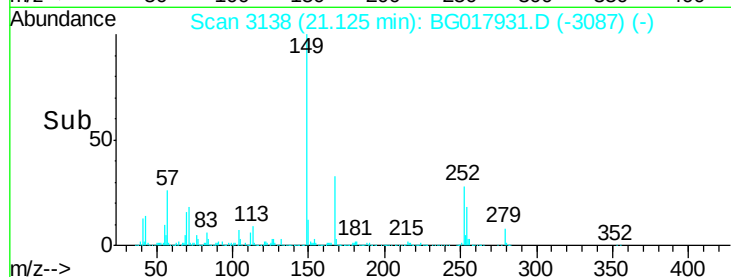
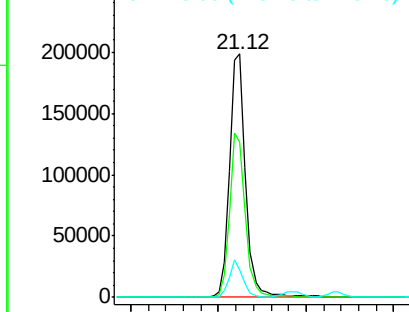
#81  
 3,3'-Dichlorobenzidine  
 Concen: 22.58 ng  
 RT: 21.12 min Scan# 3138  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Tgt Ion: 252 Resp: 251109  
 Ion Ratio Lower Upper  
 252 100  
 254 64.0 51.2 76.8  
 126 11.1 11.4 17.0#

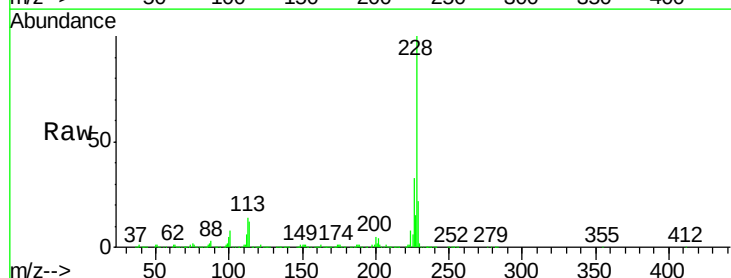


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

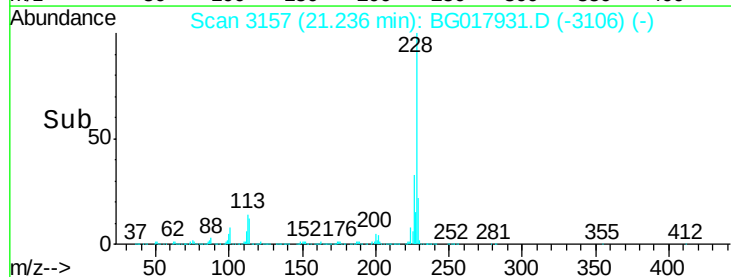
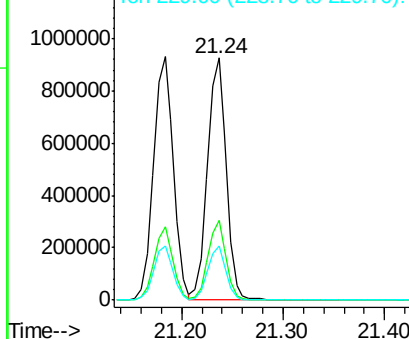


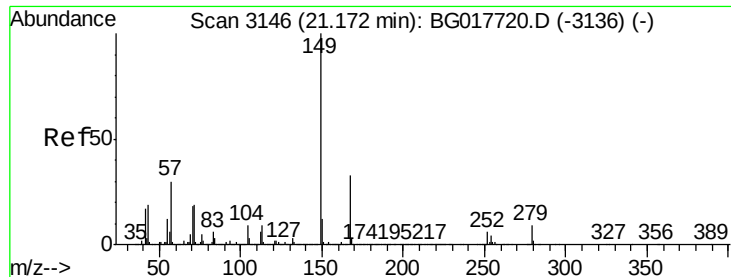
#82  
 Chrysene  
 Concen: 40.61 ng  
 RT: 21.24 min Scan# 3157  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion: 228 Resp: 1186154  
 Ion Ratio Lower Upper  
 228 100  
 226 33.2 26.1 39.1  
 229 22.3 17.7 26.5



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 44.61 ng

RT: 21.12 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

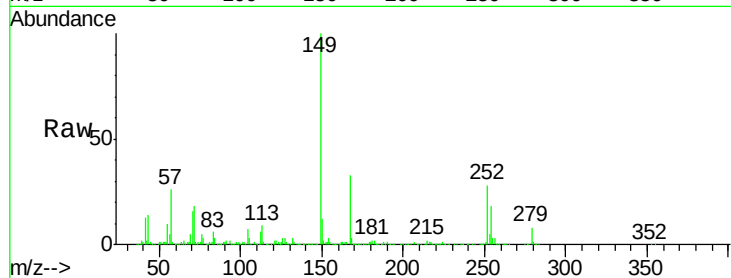
Tgt Ion:149 Resp: 890735

Ion Ratio Lower Upper

149 100

167 32.9 26.6 39.8

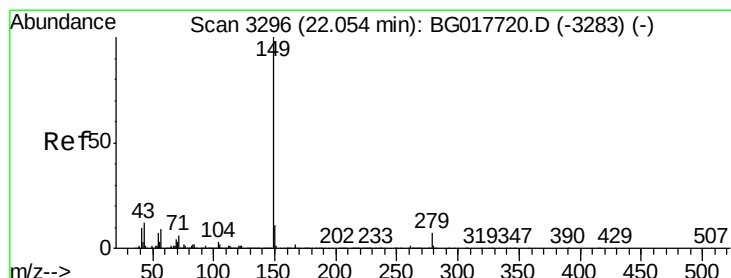
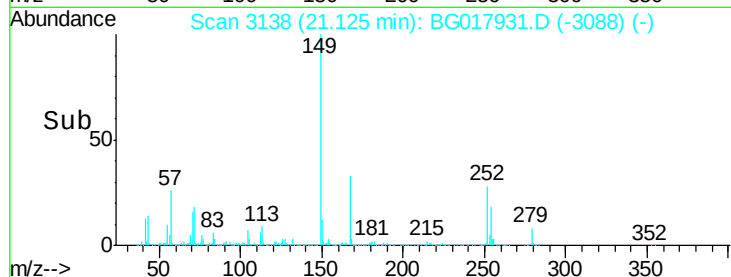
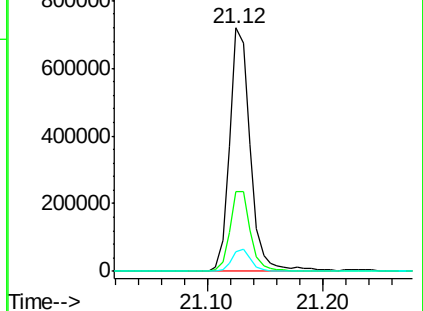
279 8.0 6.9 10.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.60 ng

RT: 22.00 min Scan# 3287

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

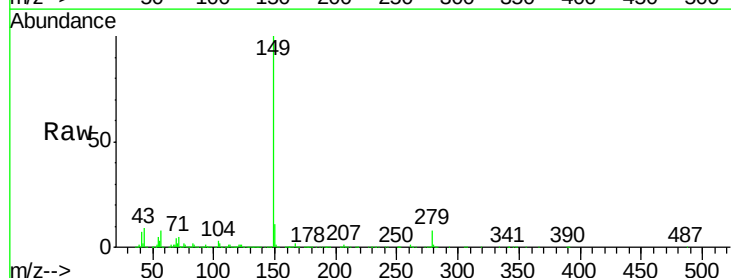
Tgt Ion:149 Resp: 1434212

Ion Ratio Lower Upper

149 100

167 1.7 1.4 2.0

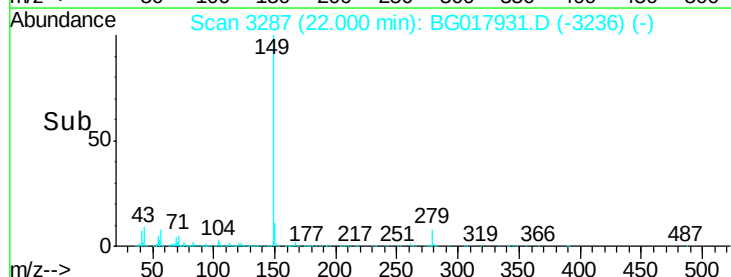
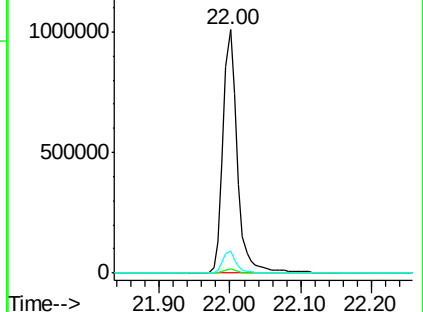
43 8.4 9.7 14.5#

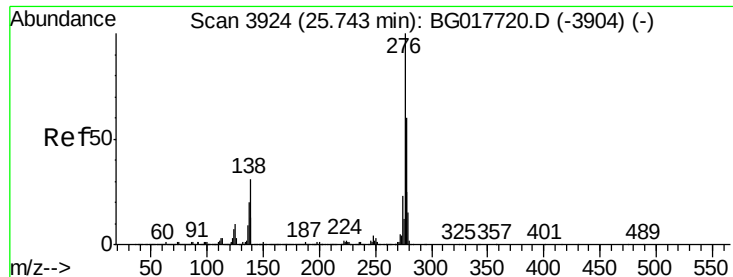


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

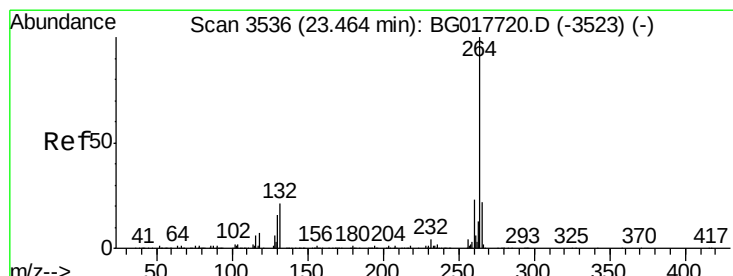
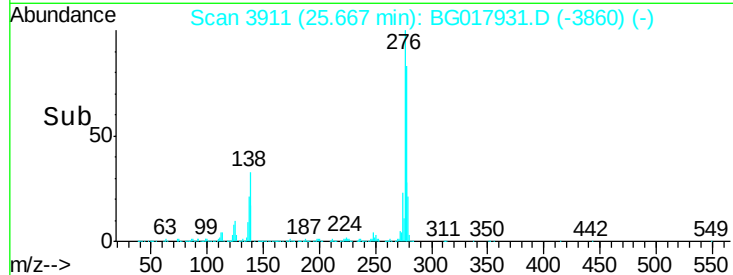
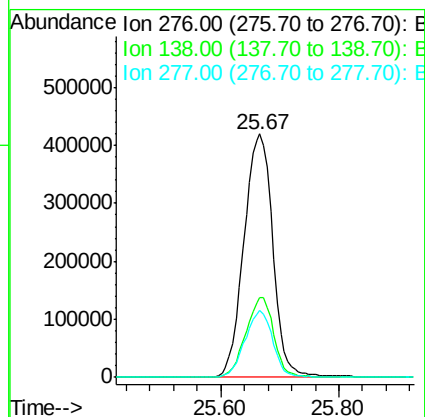
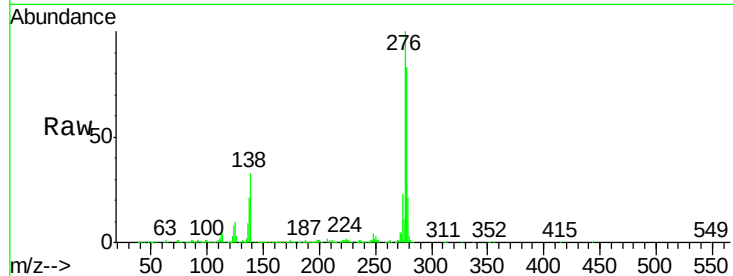




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 40.40 ng  
 RT: 25.67 min Scan# 3911  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

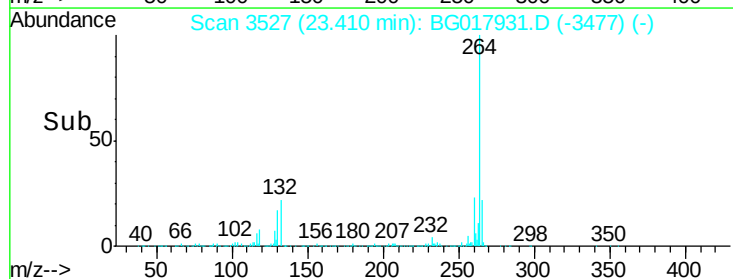
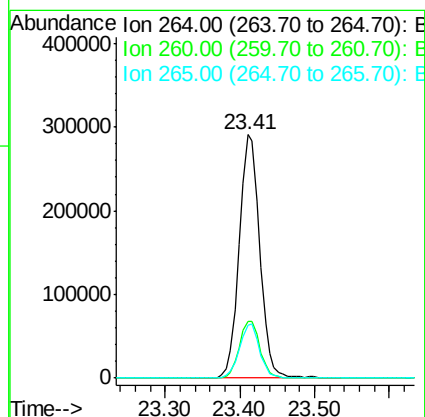
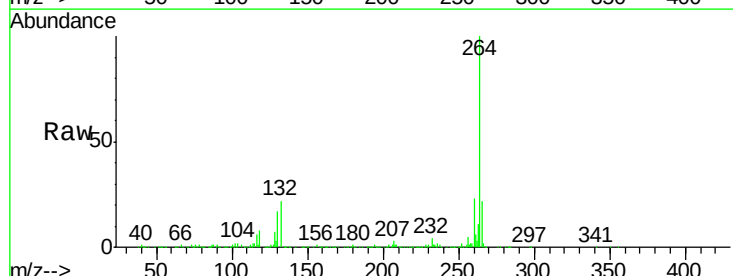
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

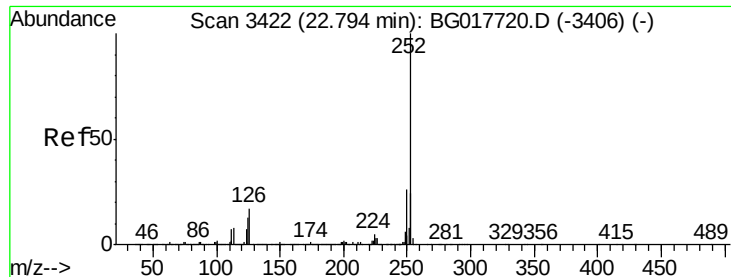
Tgt Ion:276 Resp: 1426731  
 Ion Ratio Lower Upper  
 276 100  
 138 31.7 25.4 38.0  
 277 26.6 21.0 31.4



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.41 min Scan# 3527  
 Delta R.T. -0.01 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Tgt Ion:264 Resp: 556643  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.6 27.8  
 265 21.6 18.2 27.2





#87

Benzo(b)fluoranthene

Concen: 41.51 ng

RT: 22.75 min Scan# 3414

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampled :

PB84519BS

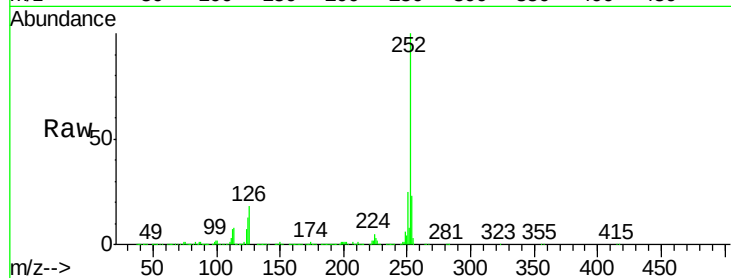
Tgt Ion:252 Resp: 1264132

Ion Ratio Lower Upper

252 100

253 23.3 19.7 29.5

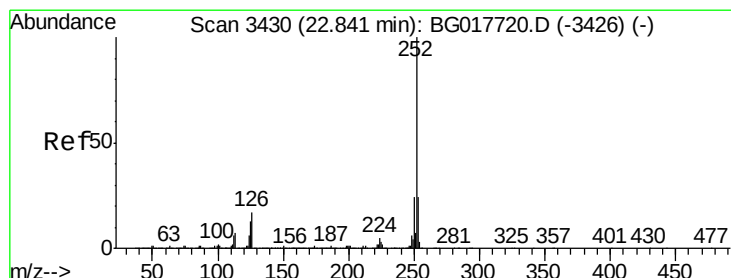
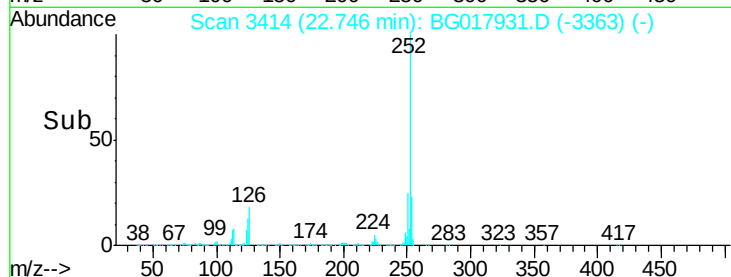
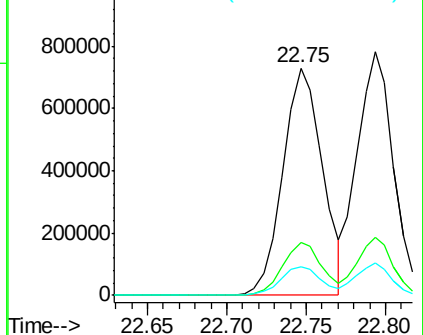
125 12.6 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 41.40 ng

RT: 22.79 min Scan# 3422

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

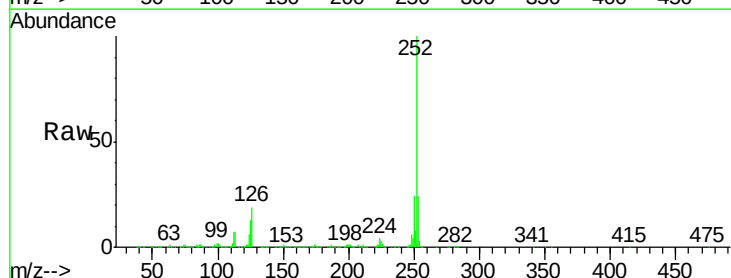
Tgt Ion:252 Resp: 1259150

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.6

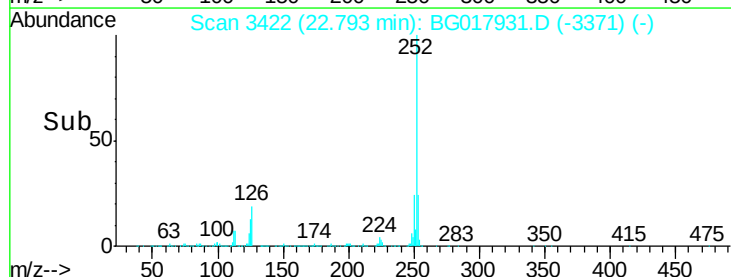
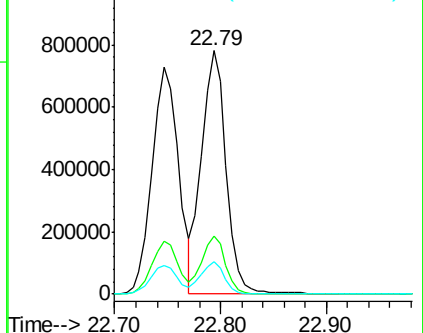
125 13.2 10.3 15.5



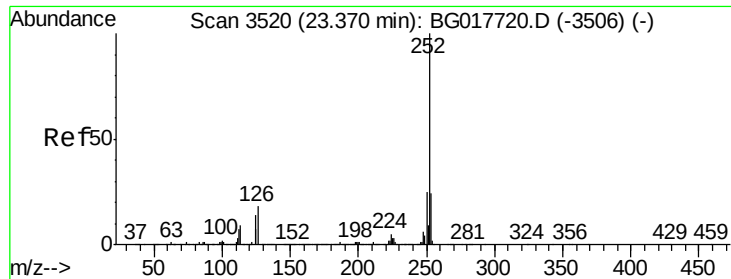
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#89

Benzo(a)pyrene

Concen: 43.27 ng

RT: 23.32 min Scan# 3511

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

PB84519BS

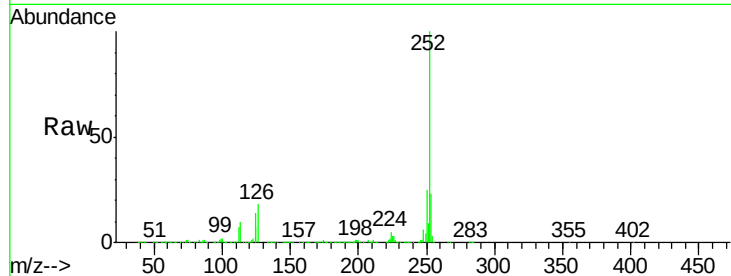
Tgt Ion:252 Resp: 1227937

Ion Ratio Lower Upper

252 100

253 23.4 19.0 28.6

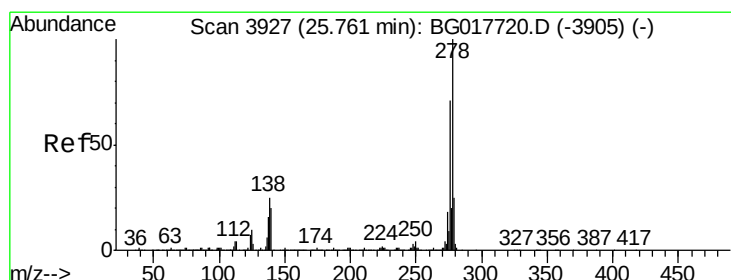
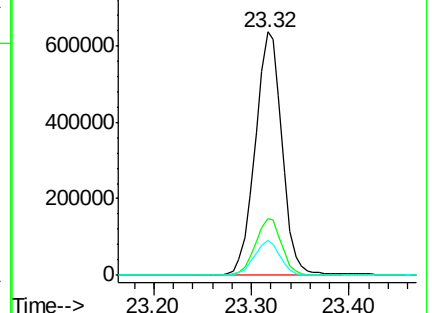
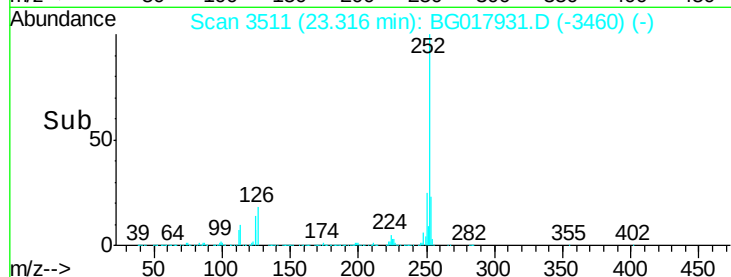
125 14.5 11.1 16.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 41.80 ng

RT: 25.68 min Scan# 3913

Delta R.T. -0.00 min

Lab File: BG017931.D

Acq: 17 Jul 2015 18:38

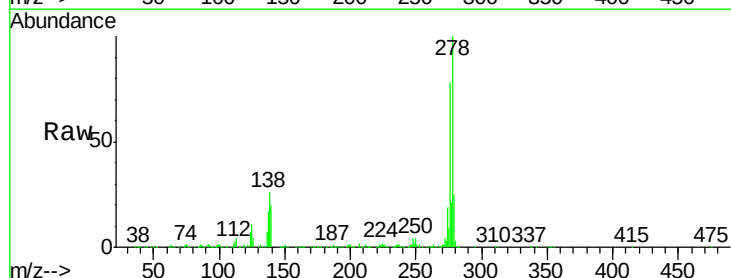
Tgt Ion:278 Resp: 1229977

Ion Ratio Lower Upper

278 100

139 20.3 16.2 24.2

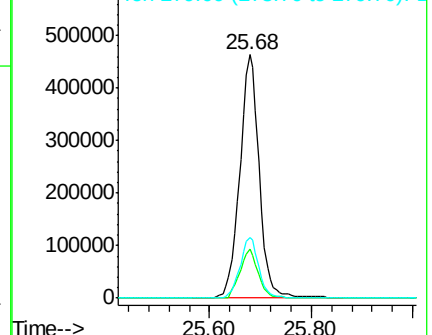
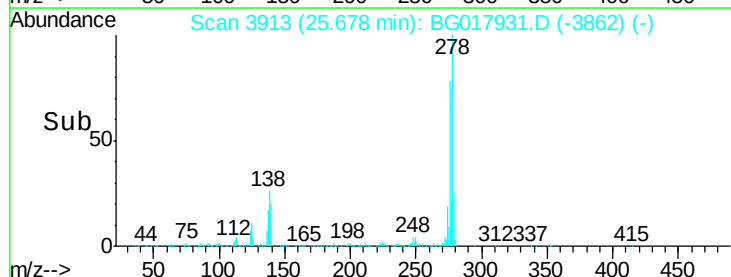
279 25.0 19.9 29.9

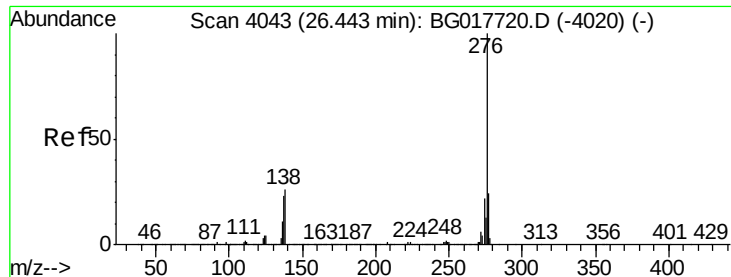


Abundance Ion 278.00 (277.70 to 278.70): E

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: 41.74 ng  
 RT: 26.35 min Scan# 4028  
 Delta R.T. -0.00 min  
 Lab File: BG017931.D  
 Acq: 17 Jul 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB84519BS

Tgt Ion: 276 Resp: 1184340  
 Ion Ratio Lower Upper  
 276 100  
 277 25.0 18.9 28.3  
 138 25.9 20.8 31.2

