

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051515\  
 Data File : BG017198.D  
 Acq On : 16 May 2015 5:30  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: May 16 06:43:06 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 16 00:58:53 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 38072    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 179942   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.36 | 164  | 124517   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.11 | 188  | 269076   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 266908   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.56 | 264  | 262019   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 177414  | 82.68 | ng | 0.00 |
| 7) Phenol-d6             | 6.91  | 99  | 259220  | 86.08 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.87  | 82  | 320447  | 83.14 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.85 | 330 | 120276  | 79.91 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.98 | 172 | 675643  | 79.62 | ng | 0.00 |
| 78) Terphenyl-d14        | 19.74 | 244 | 1064436 | 83.11 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 35937  | 42.45 | ng | 88     |
| 3) Pyridine                    | 3.56  | 79  | 103254 | 40.31 | ng | 93     |
| 4) n-Nitrosodimethylamine      | 3.49  | 42  | 78839  | 40.55 | ng | 97     |
| 6) Aniline                     | 7.04  | 93  | 160793 | 38.59 | ng | 97     |
| 8) 2-Chlorophenol              | 7.28  | 128 | 105256 | 41.00 | ng | 97     |
| 9) Benzaldehyde                | 6.85  | 77  | 78951  | 40.90 | ng | 89     |
| 10) Phenol                     | 6.93  | 94  | 139585 | 43.71 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 102299 | 42.72 | ng | 93     |
| 12) 1,3-Dichlorobenzene        | 7.59  | 146 | 113131 | 39.46 | ng | 93     |
| 13) 1,4-Dichlorobenzene        | 7.74  | 146 | 112263 | 38.79 | ng | 100    |
| 14) 1,2-Dichlorobenzene        | 8.06  | 146 | 112219 | 40.60 | ng | 96     |
| 15) Benzyl Alcohol             | 7.95  | 79  | 120416 | 41.16 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 155058 | 39.94 | ng | 96     |
| 17) 2-Methylphenol             | 8.17  | 107 | 97118  | 41.94 | ng | 93     |
| 18) Hexachloroethane           | 8.78  | 117 | 48016  | 39.72 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 8.52  | 70  | 106122 | 40.45 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.50  | 107 | 138391 | 43.00 | ng | 96     |
| 22) Acetophenone               | 8.53  | 105 | 172543 | 39.51 | ng | 97     |
| 24) Nitrobenzene               | 8.91  | 77  | 149879 | 39.74 | ng | 95     |
| 25) Isophorone                 | 9.43  | 82  | 286384 | 40.31 | ng | 99     |
| 26) 2-Nitrophenol              | 9.61  | 139 | 69610  | 41.29 | ng | 90     |
| 27) 2,4-Dimethylphenol         | 9.69  | 122 | 112986 | 40.72 | ng | 92     |
| 28) bis(2-Chloroethoxy)methane | 9.91  | 93  | 137529 | 39.76 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.17 | 162 | 113258 | 43.27 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.37 | 180 | 111586 | 37.58 | ng | 98     |
| 31) Naphthalene                | 10.55 | 128 | 353642 | 40.16 | ng | 96     |
| 32) Benzoic acid               | 9.86  | 122 | 71891  | 38.23 | ng | 91     |
| 33) 4-Chloroaniline            | 10.67 | 127 | 165995 | 39.86 | ng | 93     |
| 34) Hexachlorobutadiene        | 10.83 | 225 | 72299  | 38.45 | ng | 99     |
| 35) Caprolactam                | 11.44 | 113 | 53934  | 40.99 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 11.82 | 107 | 146017 | 44.15 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.17 | 142 | 283062 | 40.53 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 139566 | 39.62 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 12.52 | 237 | 76165  | 35.44 | ng | 99     |

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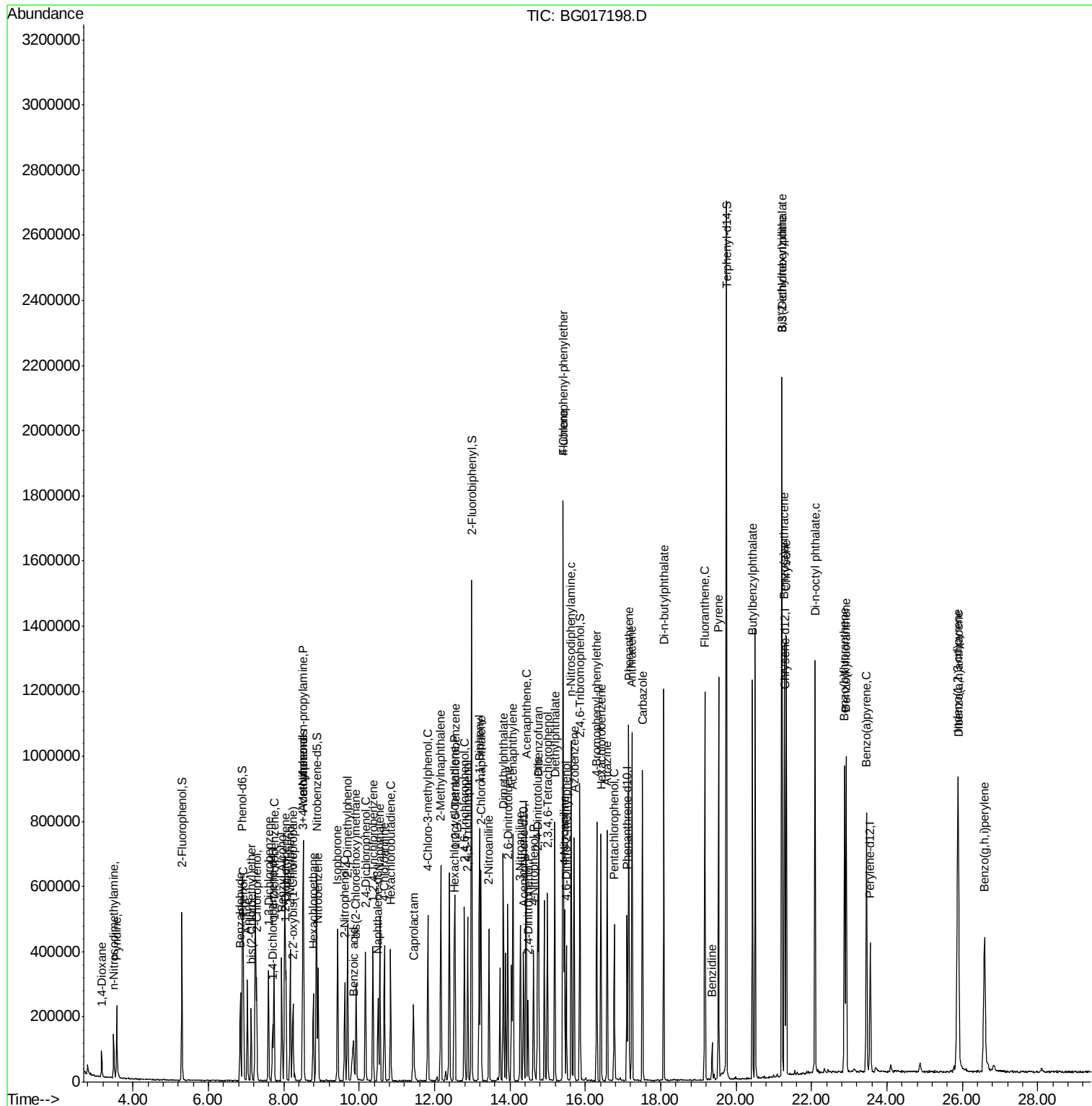
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.79 | 196  | 101151   | 40.48 | ng    | 99       |
| 43) 2,4,5-Trichlorophenol      | 12.88 | 196  | 106087   | 41.20 | ng    | 97       |
| 45) 1,1'-Biphenyl              | 13.19 | 154  | 353917   | 39.46 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.23 | 162  | 285393   | 40.19 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.45 | 65   | 114531   | 41.46 | ng    | 97       |
| 48) Acenaphthylene             | 14.08 | 152  | 492491   | 40.49 | ng    | 97       |
| 49) Dimethylphthalate          | 13.83 | 163  | 377231   | 38.75 | ng    | 96       |
| 50) 2,6-Dinitrotoluene         | 13.95 | 165  | 87017    | 40.33 | ng    | 97       |
| 51) Acenaphthene               | 14.43 | 154  | 285600   | 39.76 | ng    | 98       |
| 52) 3-Nitroaniline             | 14.27 | 138  | 97305    | 40.65 | ng    | 99       |
| 53) 2,4-Dinitrophenol          | 14.48 | 184  | 43232    | 34.51 | ng    | 89       |
| 54) Dibenzofuran               | 14.76 | 168  | 415896   | 38.94 | ng    | 98       |
| 55) 4-Nitrophenol              | 14.63 | 139  | 68938    | 35.77 | ng    | 89       |
| 56) 2,4-Dinitrotoluene         | 14.73 | 165  | 122667   | 40.76 | ng    | # 98     |
| 57) Fluorene                   | 15.41 | 166  | 373050   | 39.46 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 94685    | 40.07 | ng    | 99       |
| 59) Diethylphthalate           | 15.19 | 149  | 391285   | 37.41 | ng    | 98       |
| 60) 4-Chlorophenyl-phenylether | 15.41 | 204  | 188314   | 38.78 | ng    | 99       |
| 61) 4-Nitroaniline             | 15.44 | 138  | 105286   | 39.42 | ng    | 93       |
| 62) Azobenzene                 | 15.70 | 77   | 396029   | 39.64 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 70411    | 38.18 | ng    | 94       |
| 65) n-Nitrosodiphenylamine     | 15.63 | 169  | 335519   | 40.62 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 117840   | 40.16 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.41 | 284  | 121389   | 39.20 | ng    | 96       |
| 68) Atrazine                   | 16.58 | 200  | 121042   | 40.06 | ng    | 98       |
| 69) Pentachlorophenol          | 16.77 | 266  | 72226    | 37.36 | ng    | 93       |
| 70) Phenanthrene               | 17.15 | 178  | 569054   | 41.01 | ng    | 99       |
| 71) Anthracene                 | 17.24 | 178  | 575696   | 40.94 | ng    | 97       |
| 72) Carbazole                  | 17.52 | 167  | 514243   | 39.80 | ng    | 97       |
| 73) Di-n-butylphthalate        | 18.08 | 149  | 700965   | 40.54 | ng    | 98       |
| 74) Fluoranthene               | 19.17 | 202  | 658818   | 39.54 | ng    | 98       |
| 76) Benzidine                  | 19.36 | 184  | 60717    | 6.97  | ng    | 97       |
| 77) Pyrene                     | 19.53 | 202  | 658301   | 40.20 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.44 | 149  | 301497   | 40.49 | ng    | 97       |
| 80) Benzo(a)anthracene         | 21.28 | 228  | 620555   | 40.57 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 218118   | 36.85 | ng    | 98       |
| 82) Chrysene                   | 21.33 | 228  | 580041   | 40.71 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 428432   | 40.49 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.09 | 149  | 715492   | 40.61 | ng    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.88 | 276  | 710976   | 41.70 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.88 | 252  | 628032   | 41.12 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 22.92 | 252  | 591271   | 40.77 | ng    | 98       |
| 89) Benzo(a)pyrene             | 23.46 | 252  | 576614   | 41.11 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 594756   | 41.30 | ng    | 99       |
| 91) Benzo(g,h,i)perylene       | 26.59 | 276  | 544465   | 40.17 | ng    | 97       |

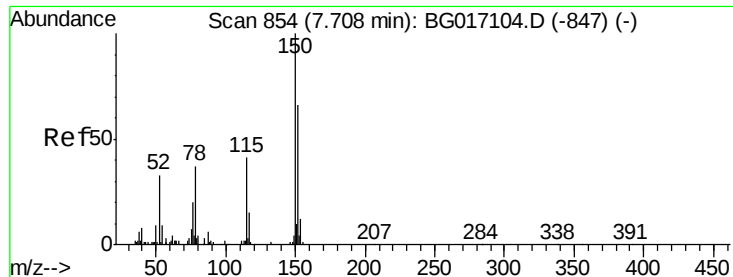
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.70 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

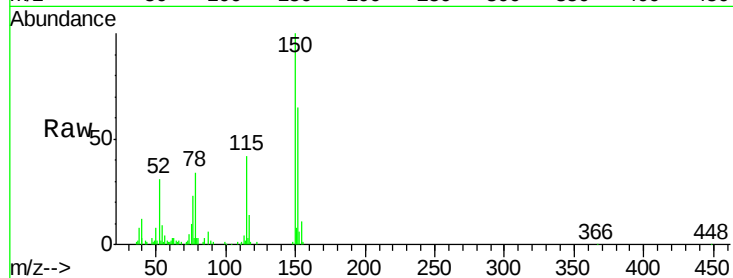
Tgt Ion:152 Resp: 38072

Ion Ratio Lower Upper

152 100

150 154.3 120.8 181.2

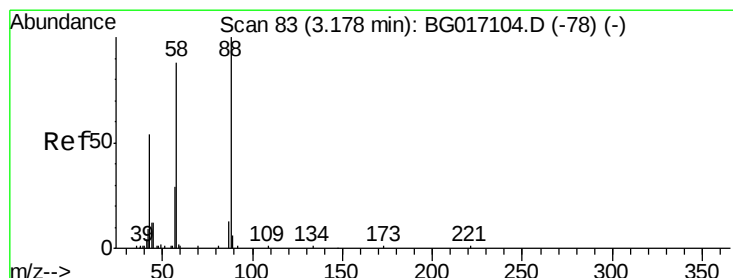
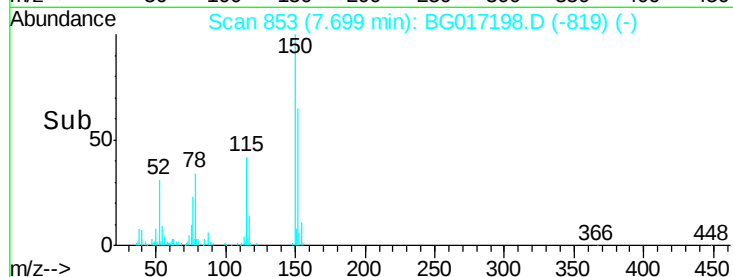
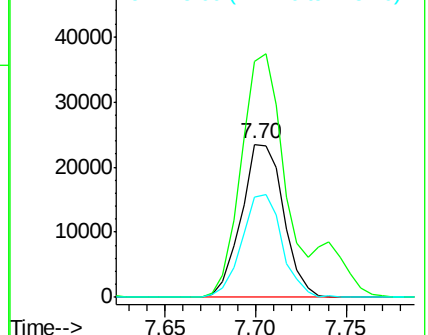
115 65.5 49.4 74.2



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: 42.45 ng

RT: 3.17 min Scan# 82

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

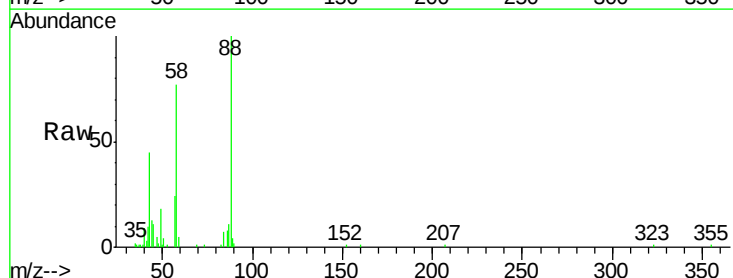
Tgt Ion: 88 Resp: 35937

Ion Ratio Lower Upper

88 100

58 72.9 68.6 103.0

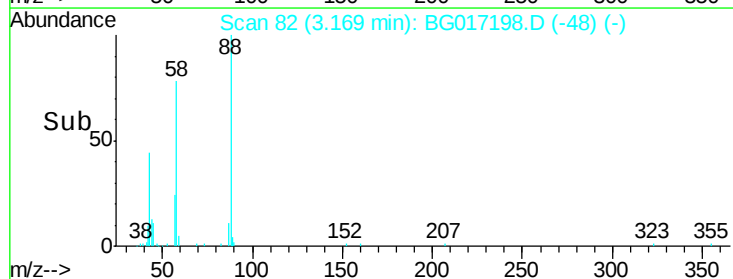
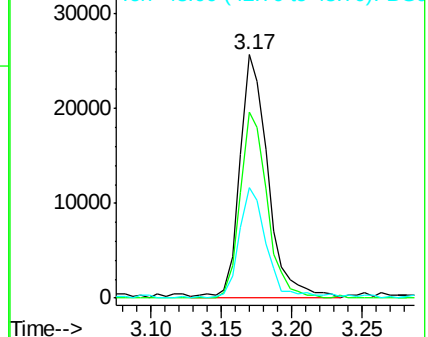
43 44.6 40.3 60.5

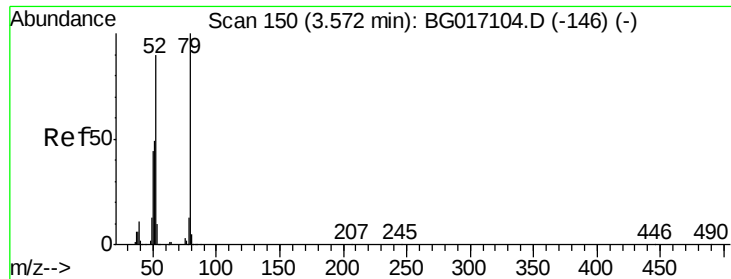


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 40.31 ng

RT: 3.56 min Scan# 149

Delta R.T. -0.00 min

Lab File: BG017198.D

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Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

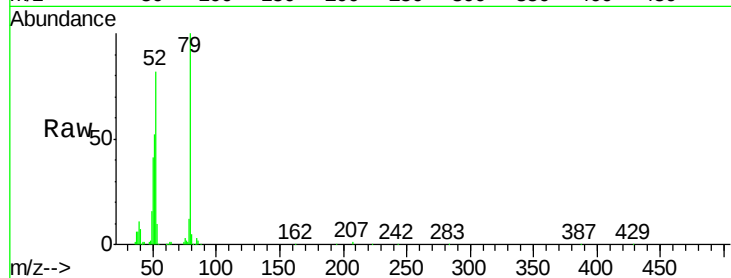
Tgt Ion: 79 Resp: 103254

Ion Ratio Lower Upper

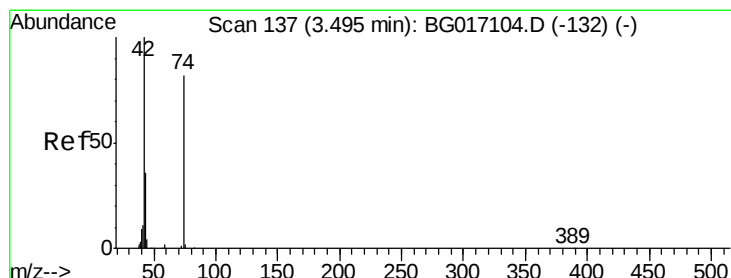
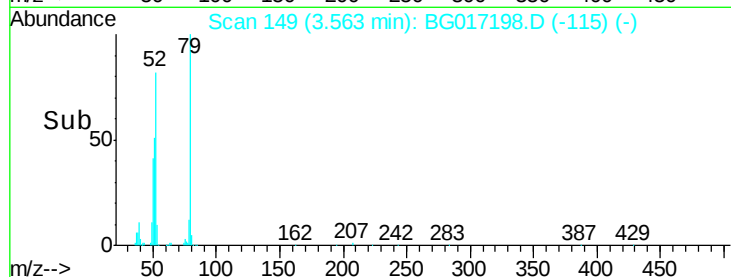
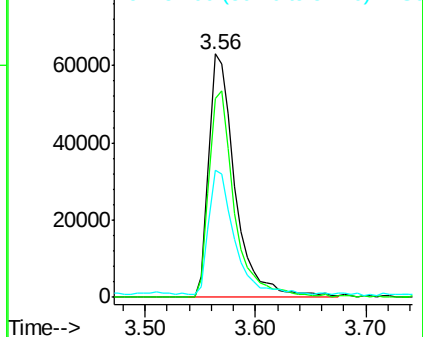
79 100

52 81.8 72.2 108.2

51 52.4 40.6 60.8



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: 40.55 ng

RT: 3.49 min Scan# 136

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

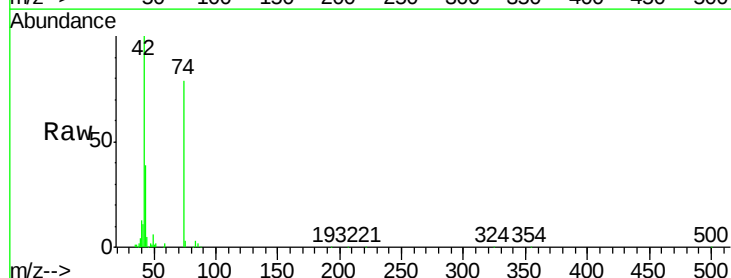
Tgt Ion: 42 Resp: 78839

Ion Ratio Lower Upper

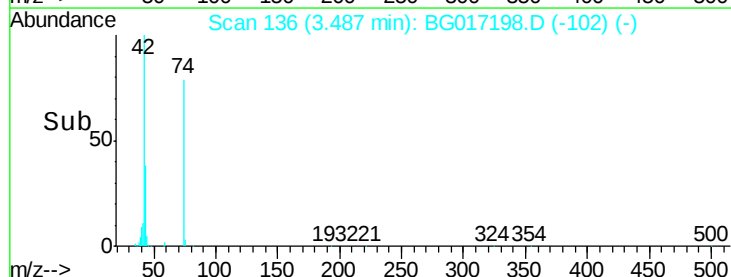
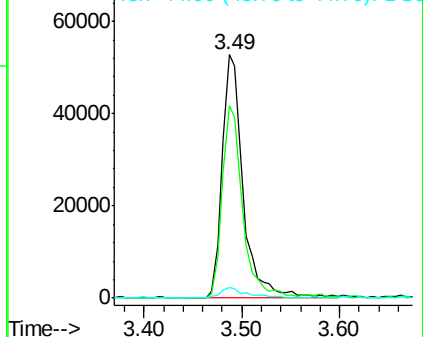
42 100

74 79.0 65.2 97.8

44 4.6 3.2 4.8



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: 82.68 ng

RT: 5.30 min Scan# 444

Delta R.T. -0.00 min

Lab File: BG017198.D

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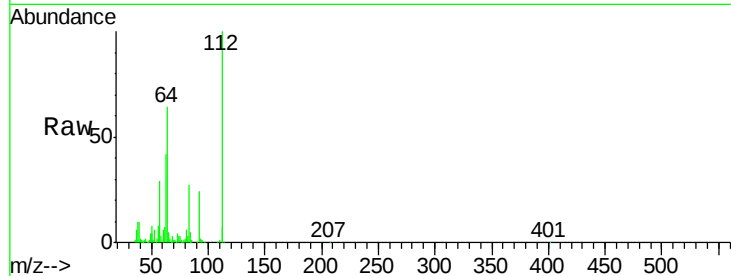
Tgt Ion: 112 Resp: 177414

Ion Ratio Lower Upper

112 100

64 64.0 48.1 72.1

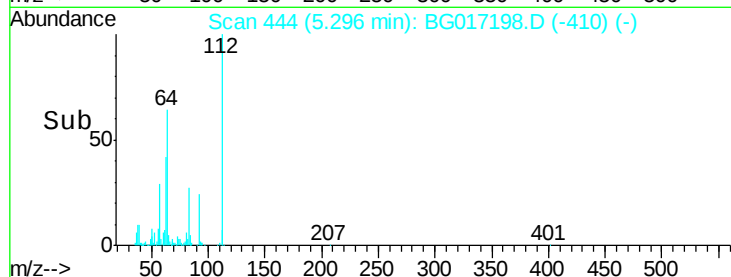
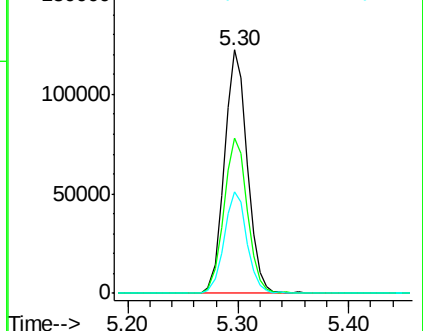
63 41.6 29.8 44.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 38.59 ng

RT: 7.04 min Scan# 740

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

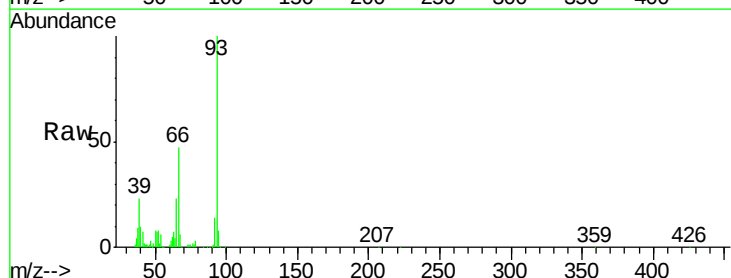
Tgt Ion: 93 Resp: 160793

Ion Ratio Lower Upper

93 100

66 47.3 35.8 53.8

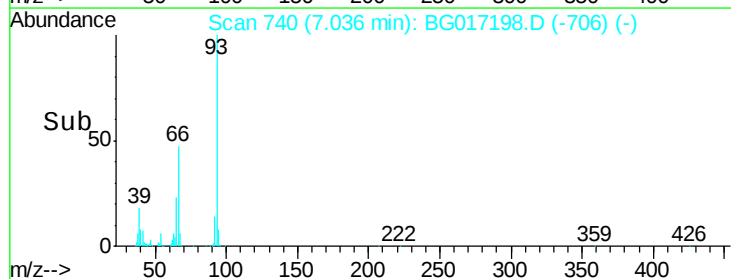
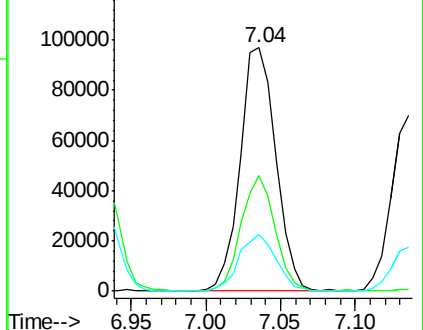
65 23.2 19.2 28.8

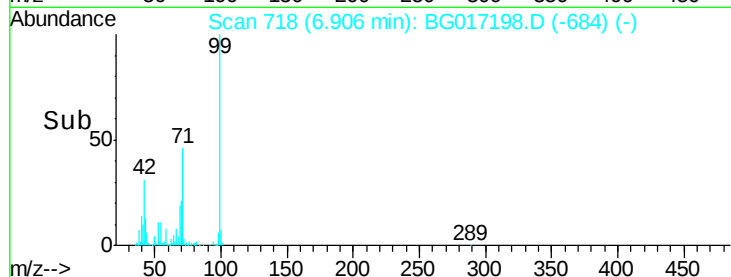
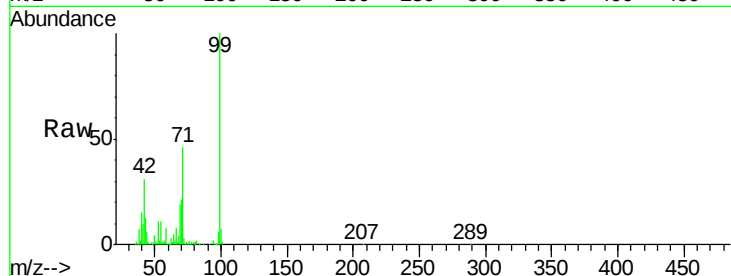
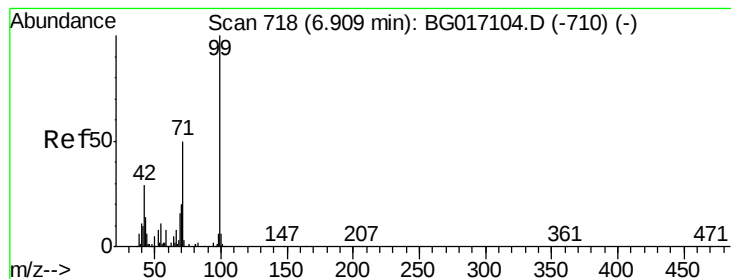


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 86.08 ng

RT: 6.91 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG017198.D

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BNA\_G

ClientSampleId :

SSTDCCC040EC

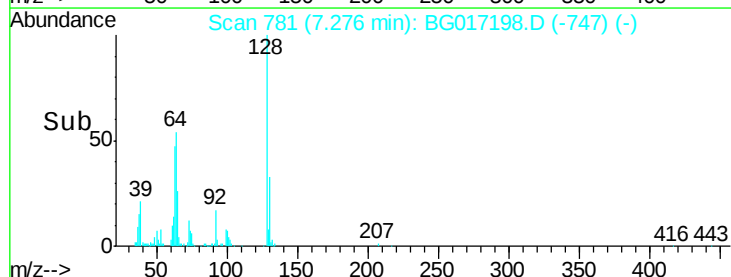
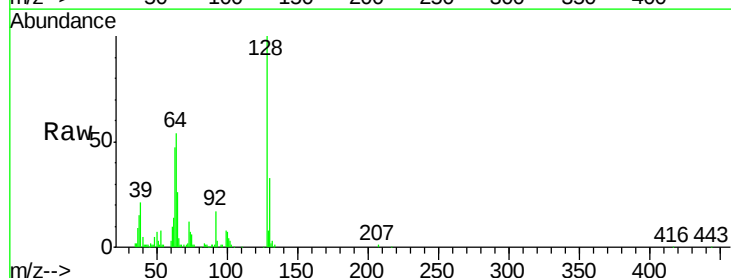
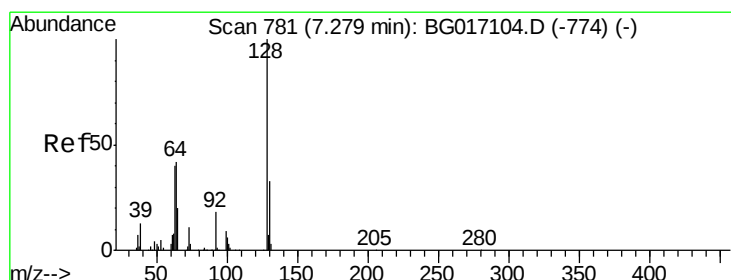
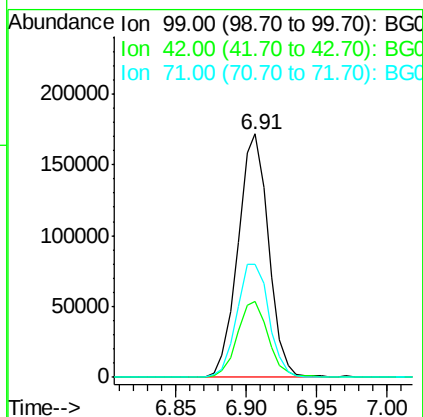
Tgt Ion: 99 Resp: 259220

Ion Ratio Lower Upper

99 100

42 31.2 23.5 35.3

71 46.3 39.8 59.8



#8

2-Chlorophenol

Concen: 41.00 ng

RT: 7.28 min Scan# 781

Delta R.T. -0.00 min

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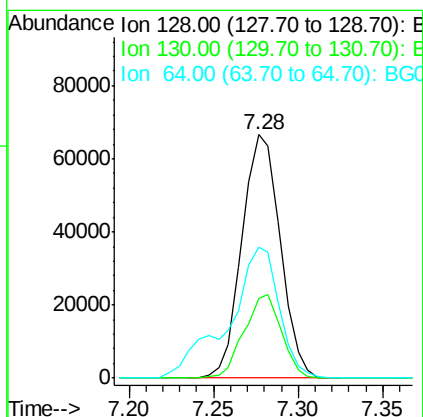
Tgt Ion: 128 Resp: 105256

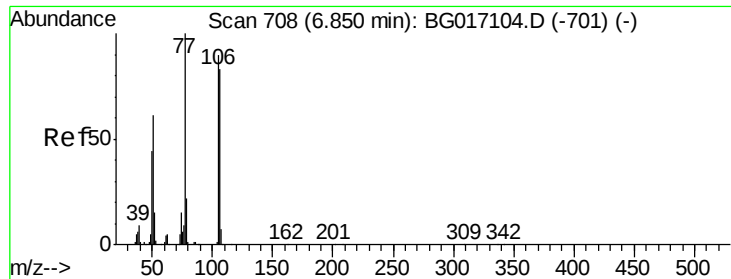
Ion Ratio Lower Upper

128 100

130 32.9 13.3 53.3

64 54.0 30.9 70.9





#9

Benzaldehyde

Concen: 40.90 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

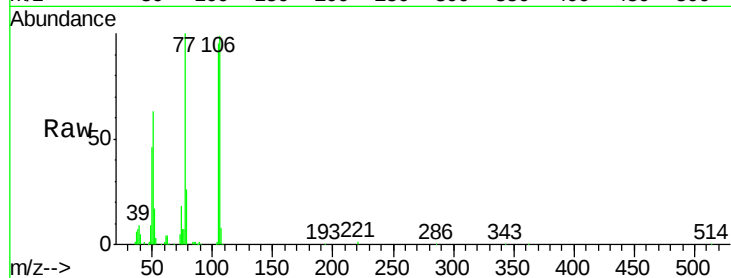
Tgt Ion: 77 Resp: 78951

Ion Ratio Lower Upper

77 100

105 94.7 69.5 109.5

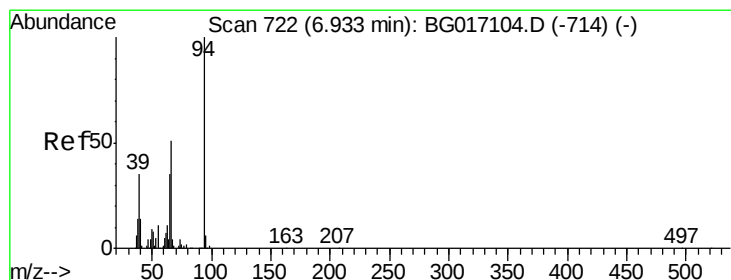
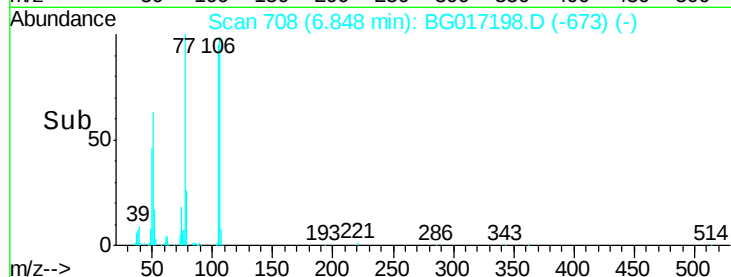
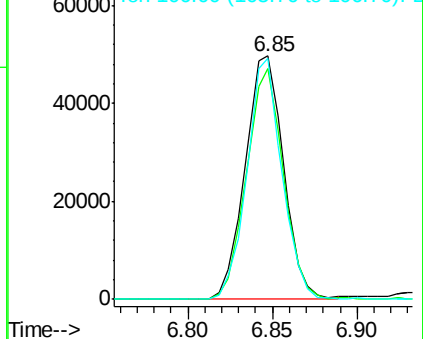
106 99.1 63.4 103.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.71 ng

RT: 6.93 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

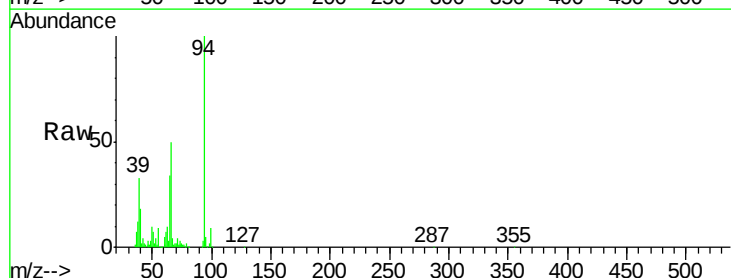
Tgt Ion: 94 Resp: 139585

Ion Ratio Lower Upper

94 100

65 34.2 15.0 55.0

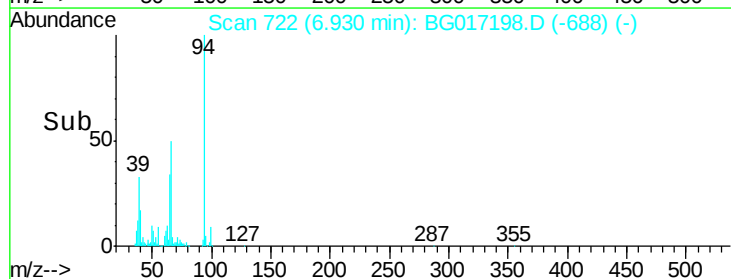
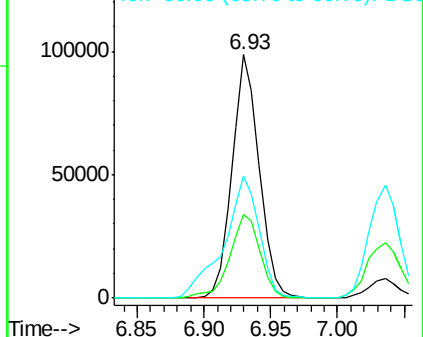
66 50.4 32.1 72.1

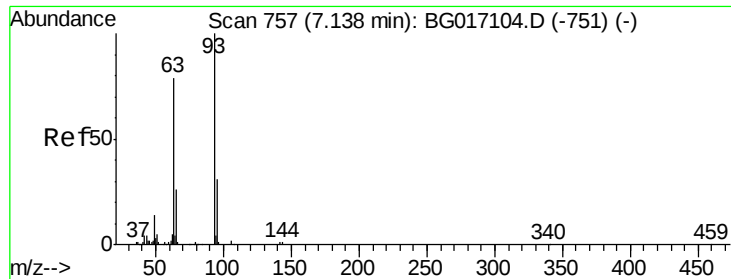


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

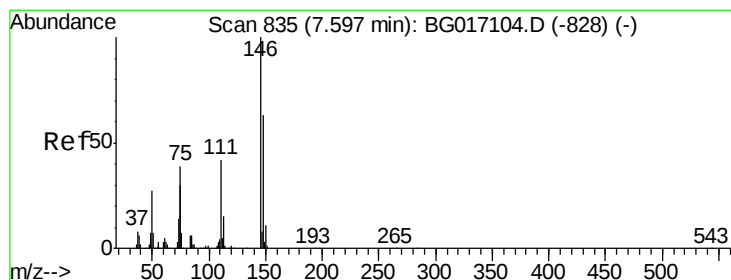
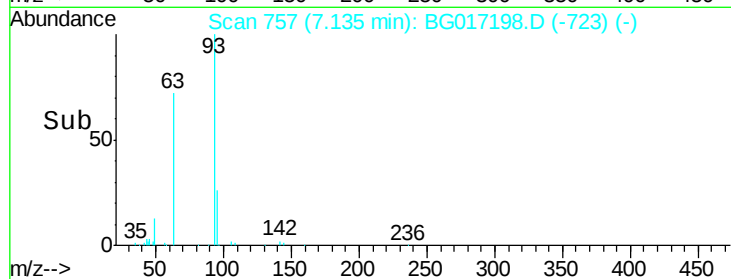
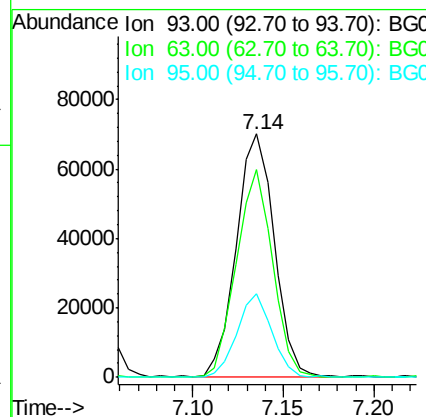
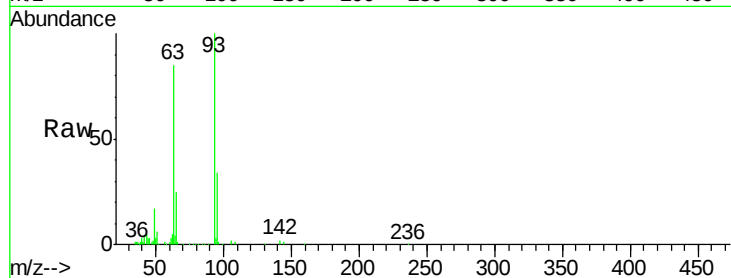




#11  
bis(2-Chloroethyl)ether  
Concen: 42.72 ng  
RT: 7.14 min Scan# 757  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

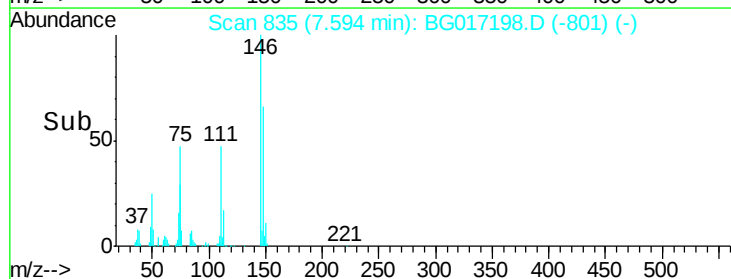
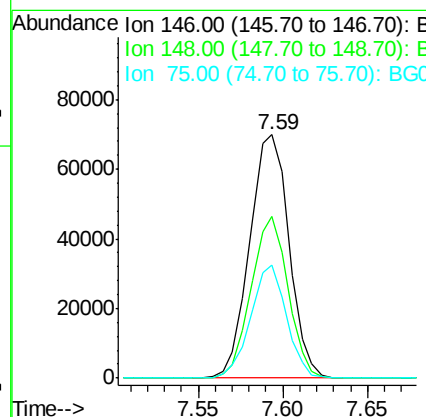
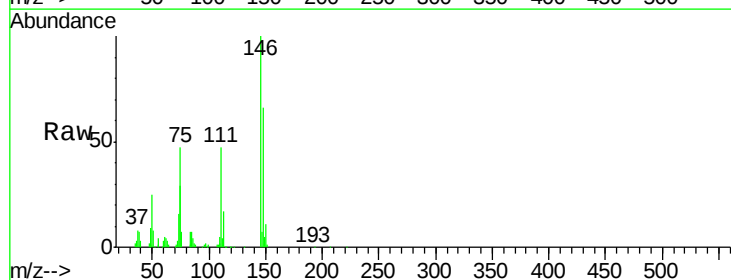
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

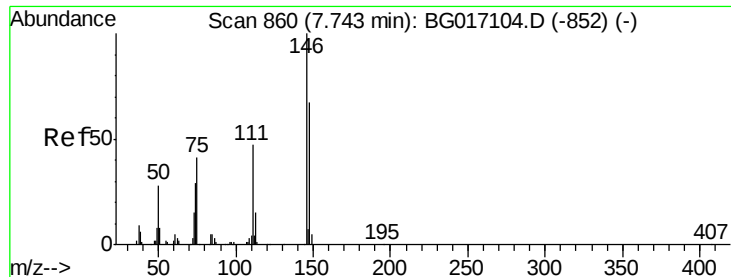
Tgt Ion: 93 Resp: 102299  
Ion Ratio Lower Upper  
93 100  
63 85.4 58.5 98.5  
95 34.1 11.0 51.0



#12  
1,3-Dichlorobenzene  
Concen: 39.46 ng  
RT: 7.59 min Scan# 835  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion: 146 Resp: 113131  
Ion Ratio Lower Upper  
146 100  
148 66.4 50.6 75.8  
75 46.7 31.4 47.2

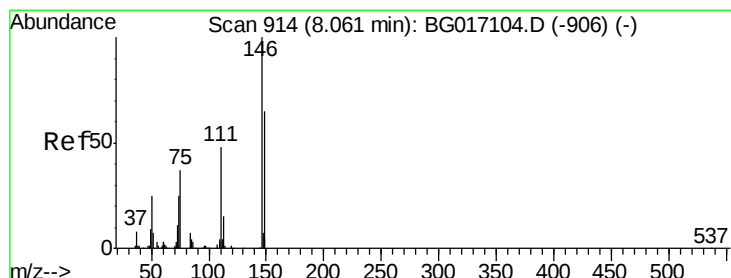
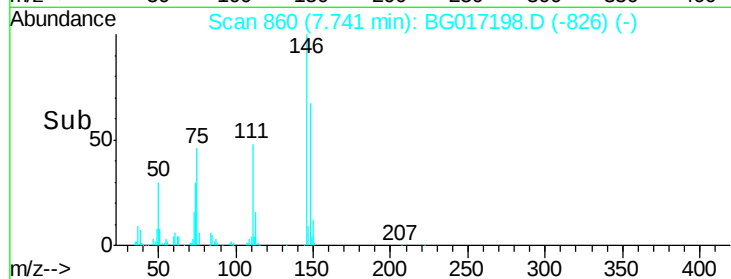
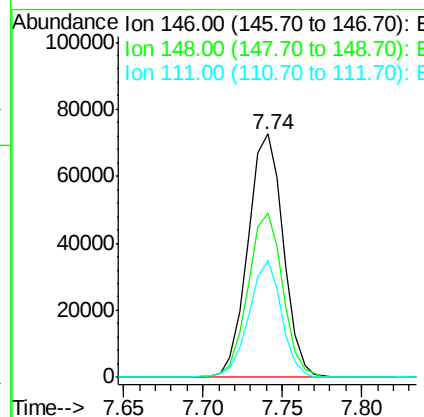
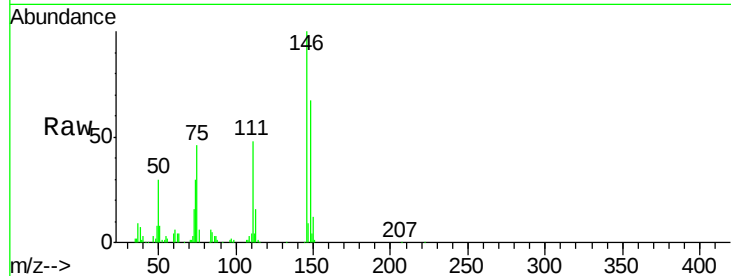




#13  
 1,4-Dichlorobenzene  
 Concen: 38.79 ng  
 RT: 7.74 min Scan# 860  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

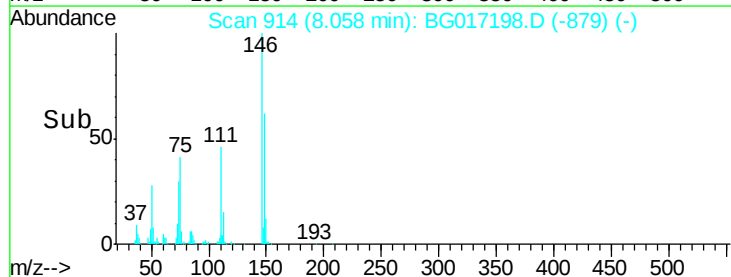
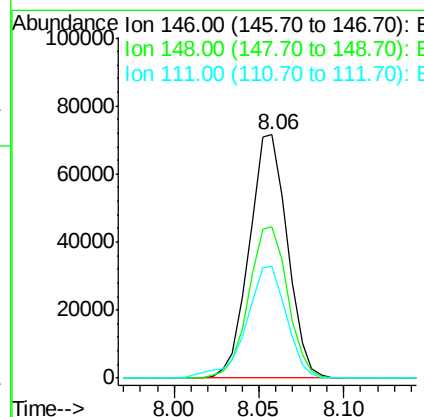
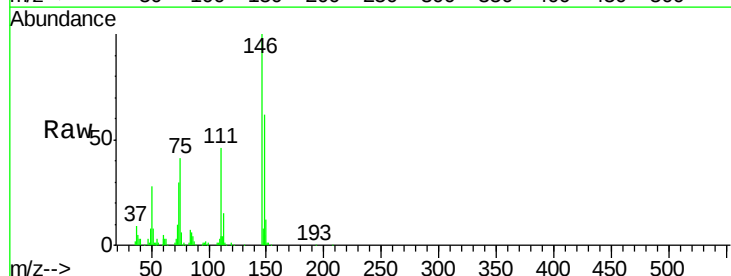
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

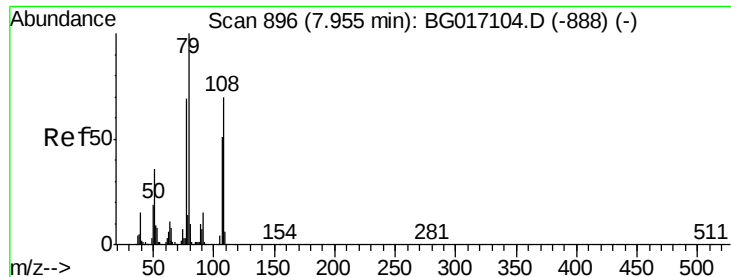
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 67.4  | 53.9  | 80.9  |
| 111     | 48.1  | 37.9  | 56.9  |



#14  
 1,2-Dichlorobenzene  
 Concen: 40.60 ng  
 RT: 8.06 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.4  | 52.3  | 78.5  |
| 111     | 45.8  | 39.0  | 58.4  |





#15

Benzyl Alcohol

Concen: 41.16 ng

RT: 7.95 min Scan# 895

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

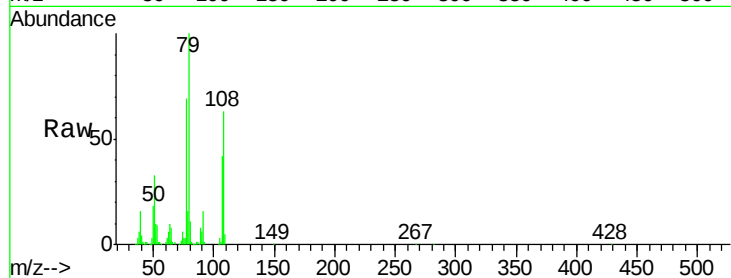
Tgt Ion: 79 Resp: 120416

Ion Ratio Lower Upper

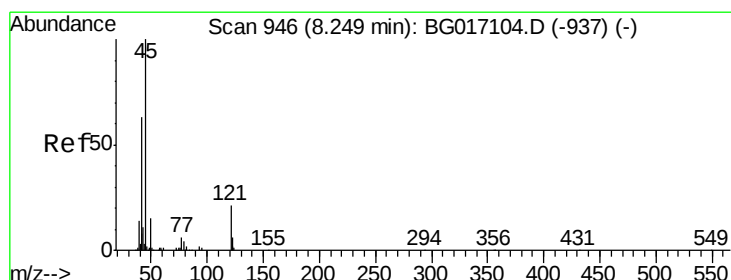
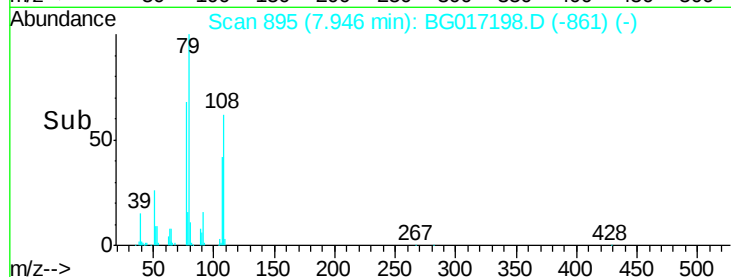
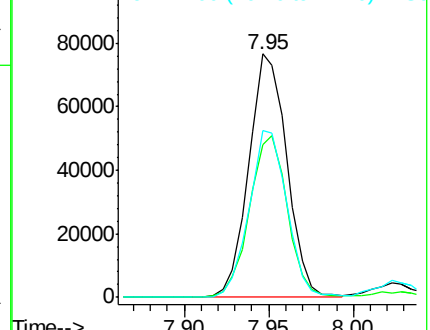
79 100

108 62.8 55.8 83.6

77 68.6 55.4 83.0



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: 39.94 ng

RT: 8.25 min Scan# 946

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

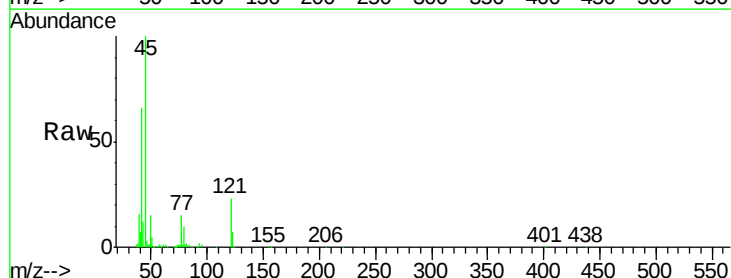
Tgt Ion: 45 Resp: 155058

Ion Ratio Lower Upper

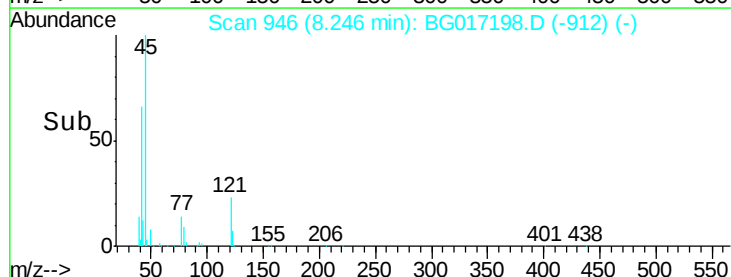
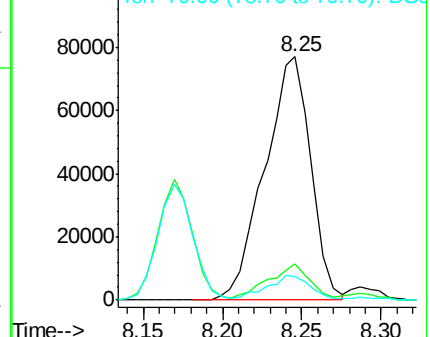
45 100

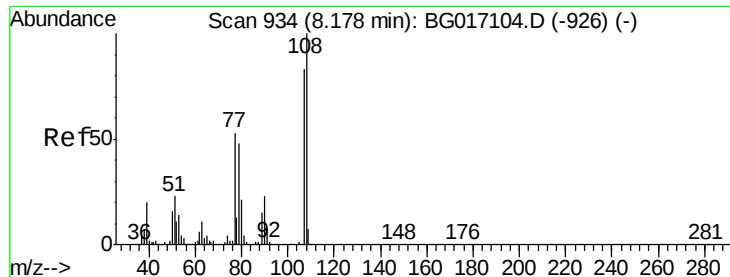
77 14.9 0.0 32.5

79 9.7 0.0 29.4



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: 41.94 ng

RT: 8.17 min Scan# 933

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion:107 Resp: 97118

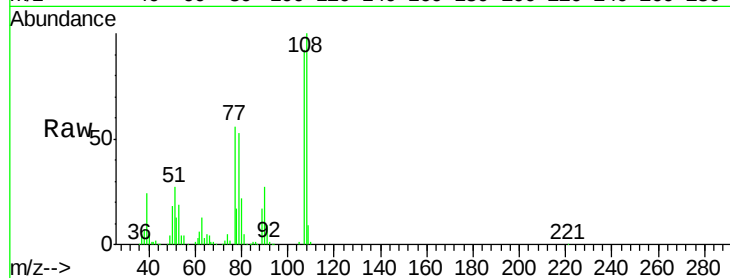
Ion Ratio Lower Upper

107 100

108 108.9 96.6 144.8

77 60.9 51.2 76.8

79 58.1 45.9 68.9

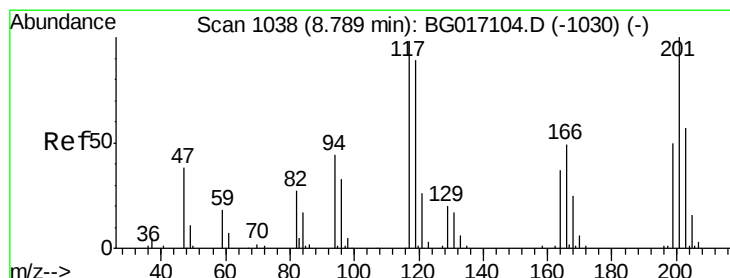
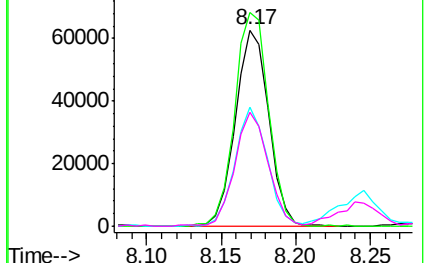
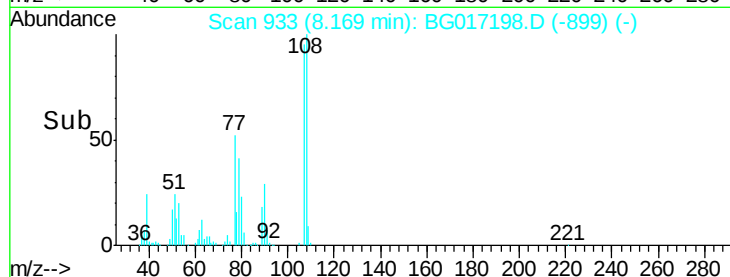


Abundance Ion 107.00 (106.70 to 107.70): E

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: 39.72 ng

RT: 8.78 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

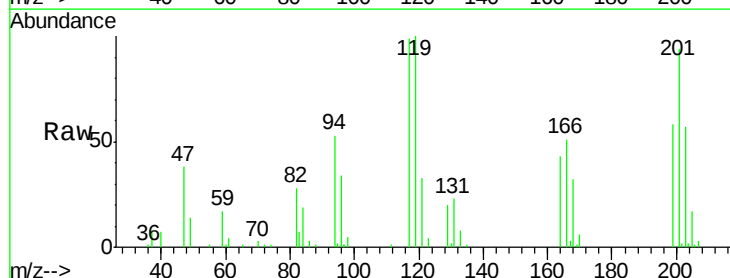
Tgt Ion:117 Resp: 48016

Ion Ratio Lower Upper

117 100

119 101.4 73.0 109.6

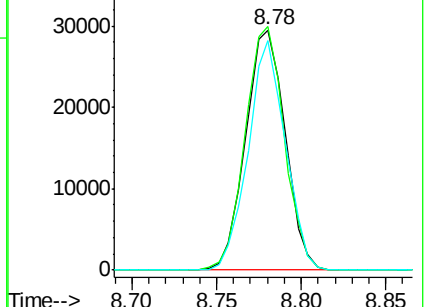
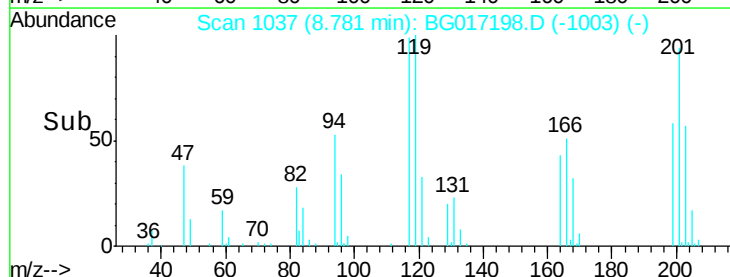
201 95.7 81.7 122.5

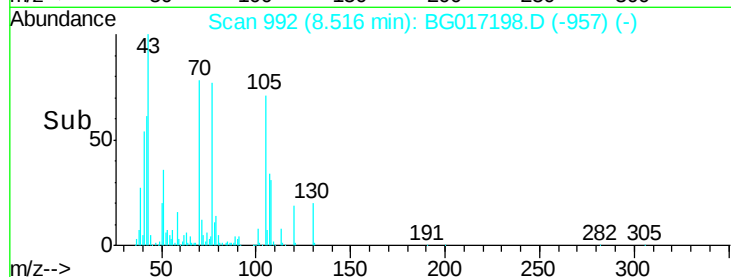
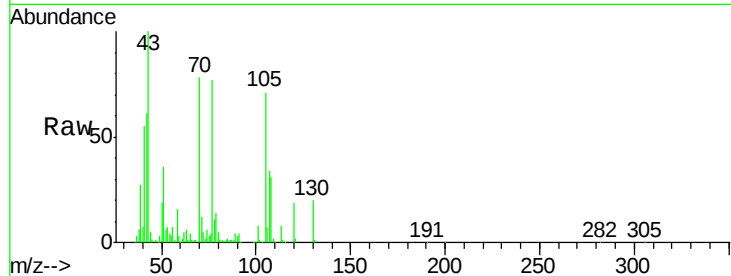
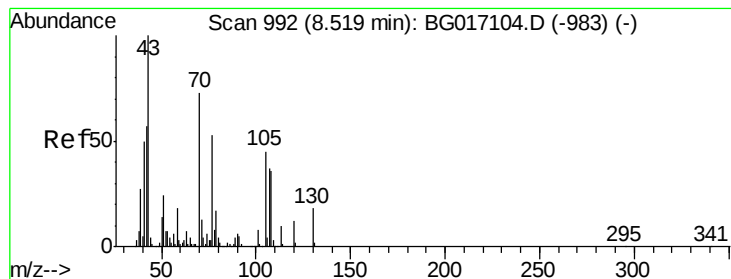


Abundance Ion 117.00 (116.70 to 117.70): E

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: 40.45 ng

RT: 8.52 min Scan# 992

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 106122

Ion Ratio Lower Upper

70 100

42 78.2 62.6 94.0

101 10.0 9.0 13.4

130 26.1 20.0 30.0

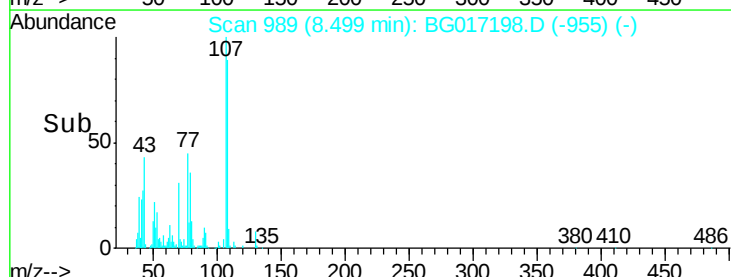
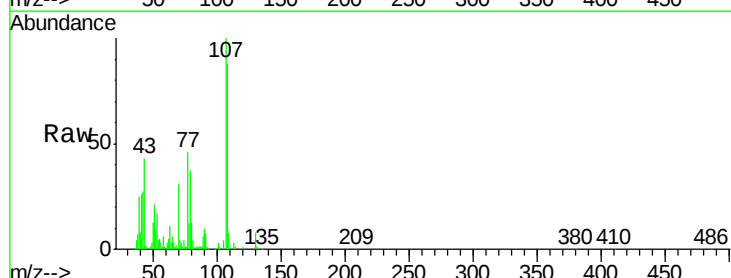
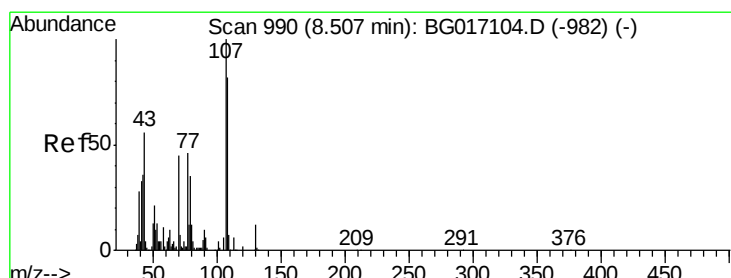
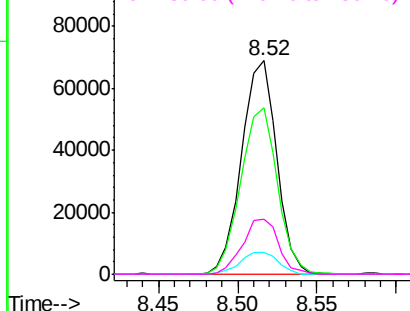
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 43.00 ng

RT: 8.50 min Scan# 989

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Tgt Ion: 107 Resp: 138391

Ion Ratio Lower Upper

107 100

108 88.1 62.2 102.2

77 45.7 26.0 66.0

79 36.9 14.8 54.8

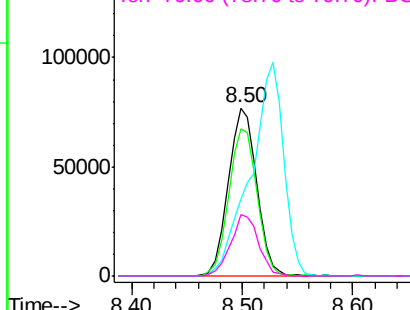
Abundance

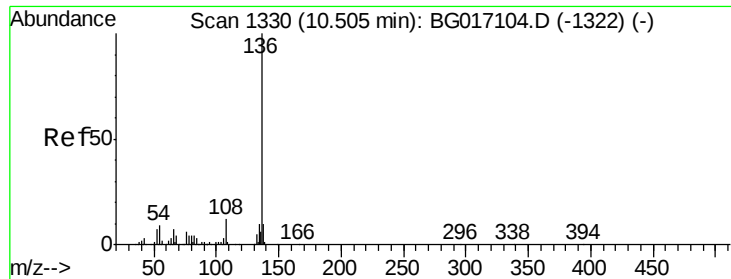
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

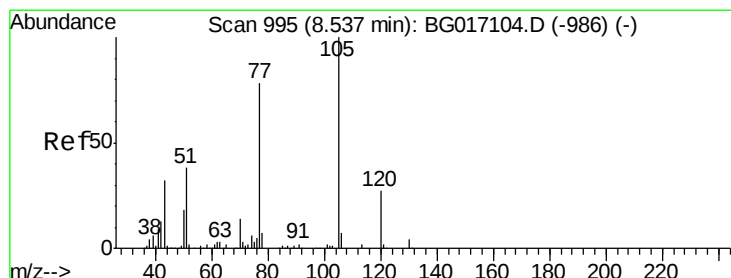
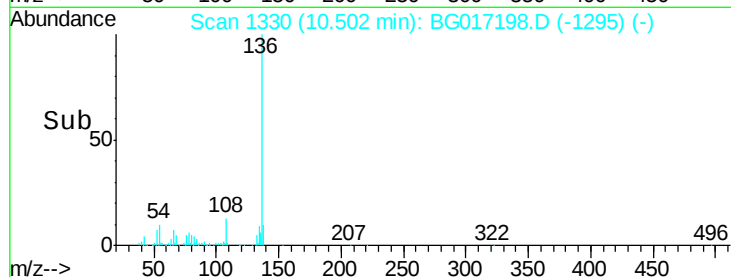
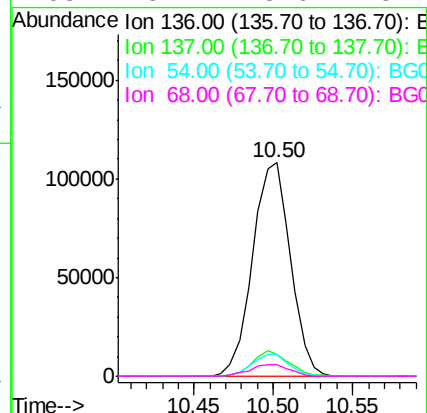
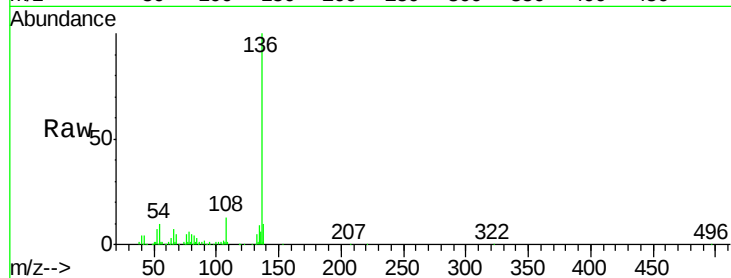




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.50 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

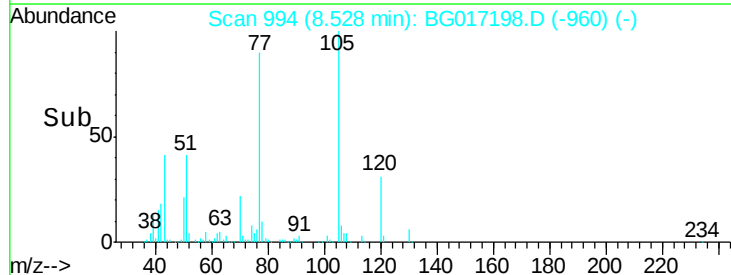
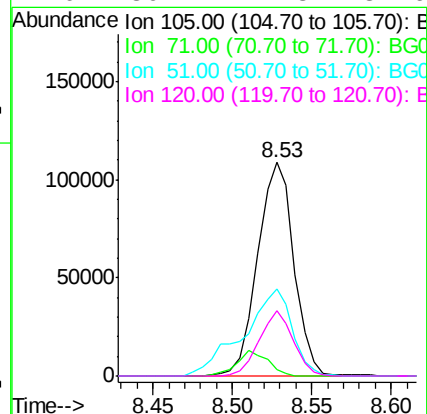
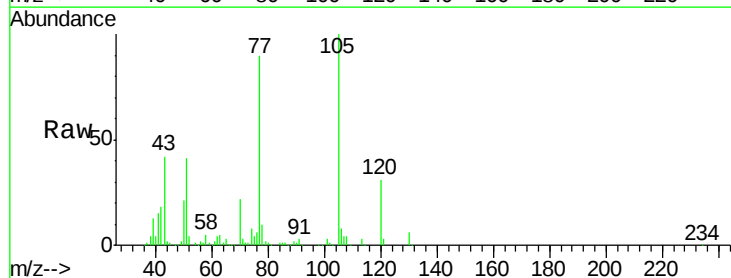
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 179942 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.3   | 12.5   |
| 54       | 10.1  | 7.4   | 11.2   |
| 68       | 5.4   | 3.6   | 5.4    |



#22  
Acetophenone  
Concen: 39.51 ng  
RT: 8.53 min Scan# 994  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 172543 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 2.9   | 2.2   | 3.4    |
| 51       | 40.8  | 32.8  | 49.2   |
| 120      | 30.7  | 21.8  | 32.6   |

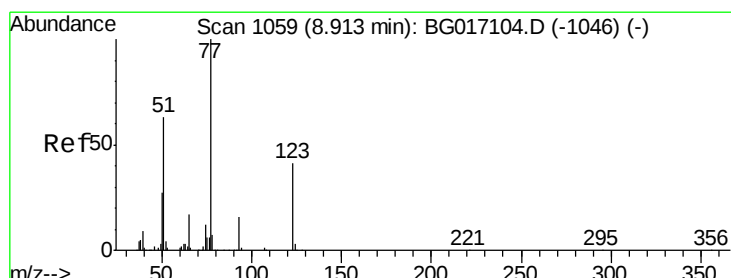
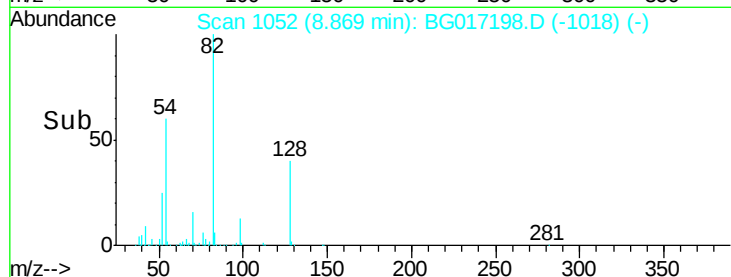
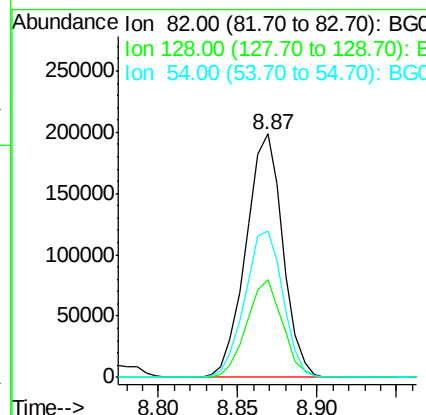
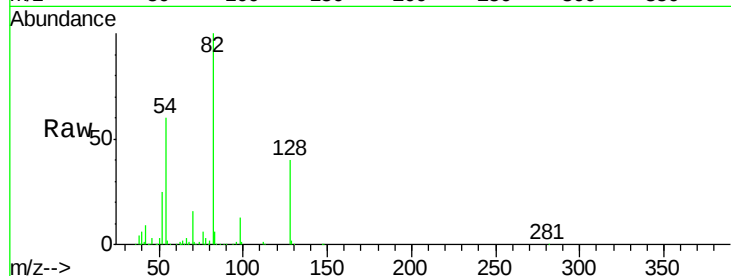




#23  
 Nitrobenzene-d5  
 Concen: 83.14 ng  
 RT: 8.87 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

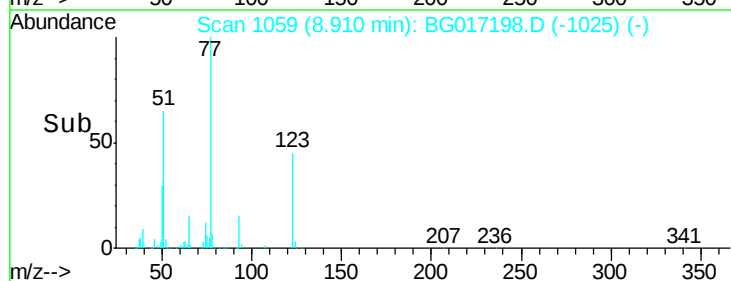
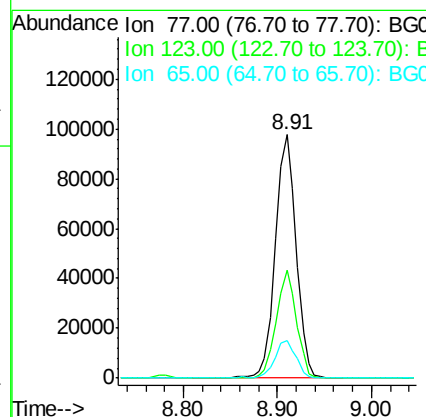
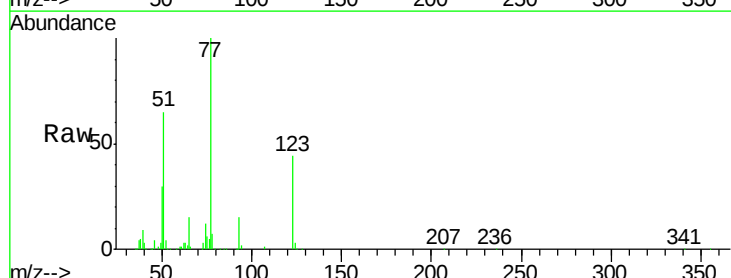
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.3  | 32.6  | 49.0  |
| 54      | 60.2  | 49.6  | 74.4  |



#24  
 Nitrobenzene  
 Concen: 39.74 ng  
 RT: 8.91 min Scan# 1059  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.4  | 33.0  | 49.4  |
| 65      | 15.3  | 13.3  | 19.9  |





#25

Isophorone

Concen: 40.31 ng

RT: 9.43 min Scan# 1147

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

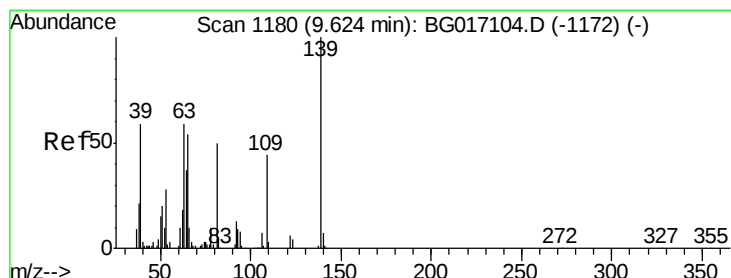
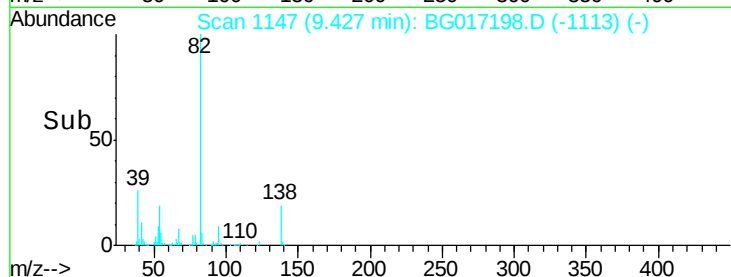
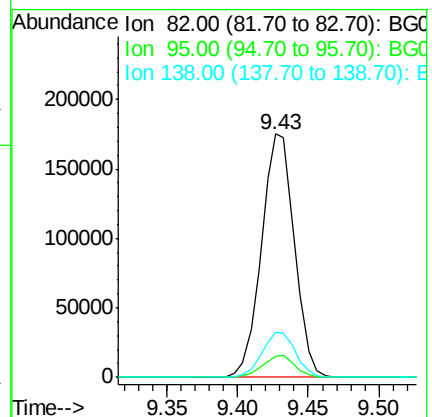
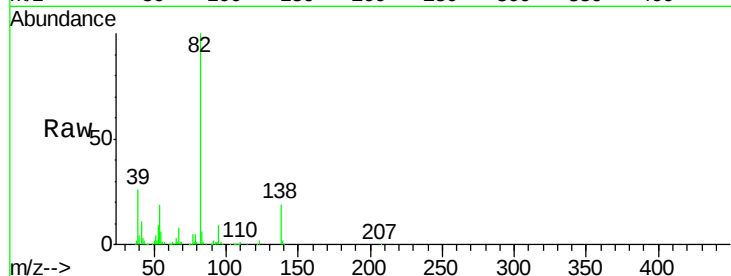
Tgt Ion: 82 Resp: 286384

Ion Ratio Lower Upper

82 100

95 8.7 7.7 11.5

138 18.5 15.0 22.6



#26

2-Nitrophenol

Concen: 41.29 ng

RT: 9.61 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

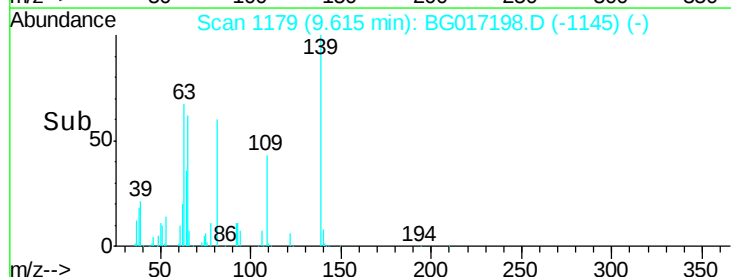
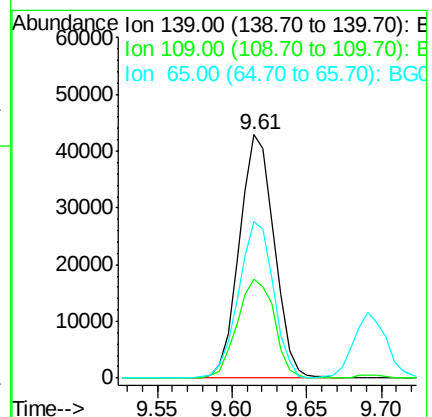
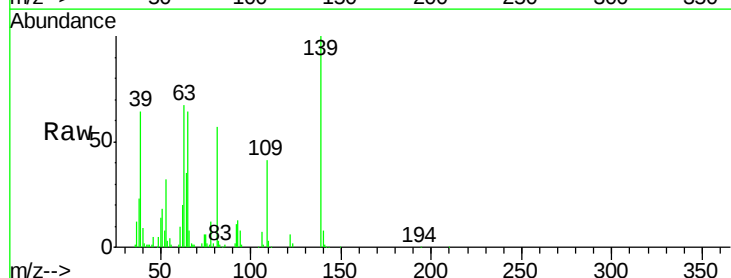
Tgt Ion: 139 Resp: 69610

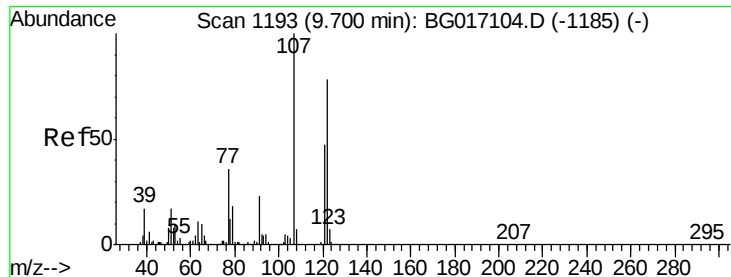
Ion Ratio Lower Upper

139 100

109 40.9 34.9 52.3

65 64.1 43.0 64.4

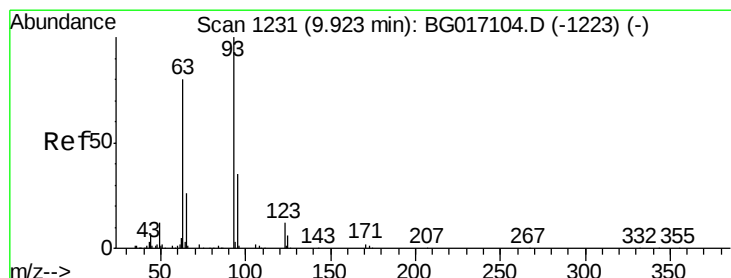
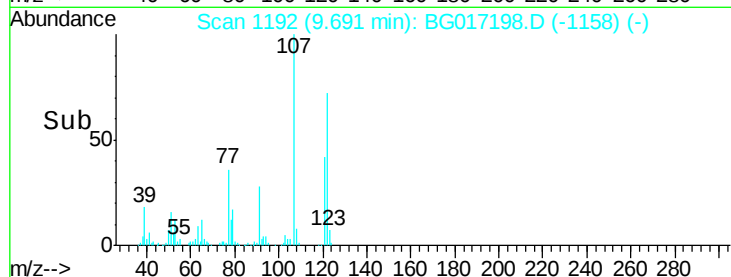
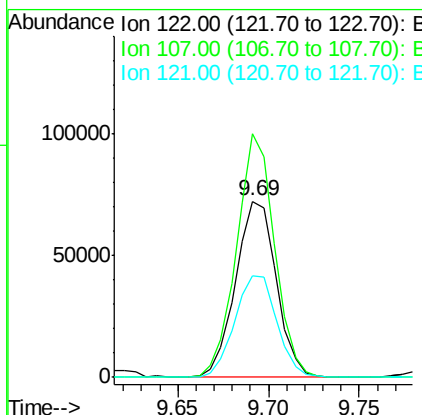
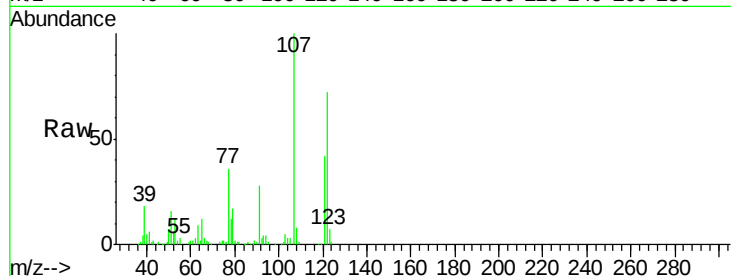




#27  
 2,4-Dimethylphenol  
 Concen: 40.72 ng  
 RT: 9.69 min Scan# 1192  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

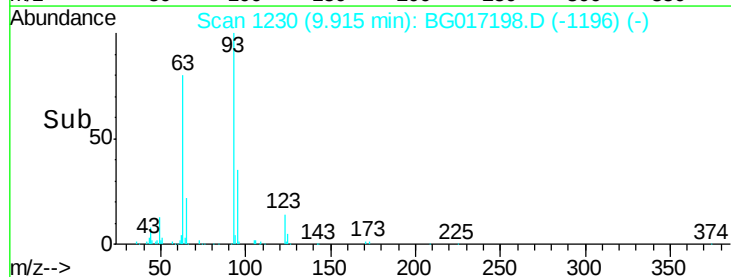
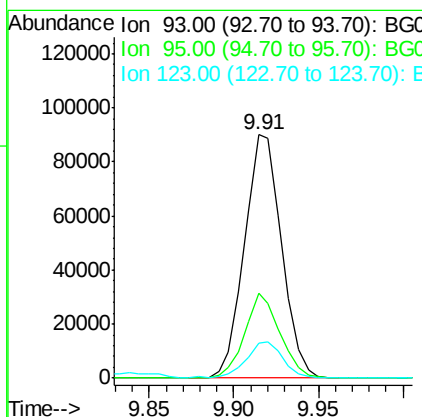
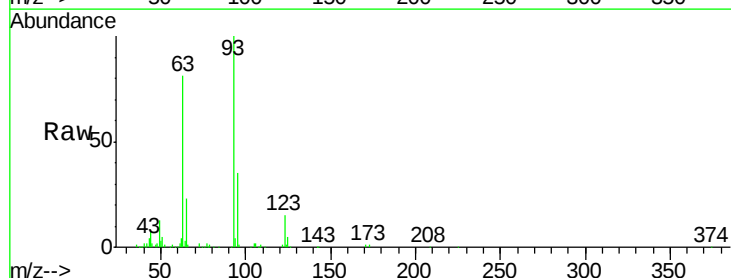
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

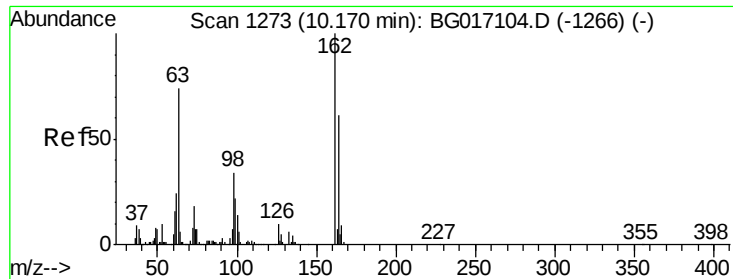
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 138.4 | 102.3 | 153.5 |
| 121     | 57.6  | 48.7  | 73.1  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.76 ng  
 RT: 9.91 min Scan# 1230  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 34.9  | 28.0  | 42.0  |
| 123     | 14.6  | 10.3  | 15.5  |

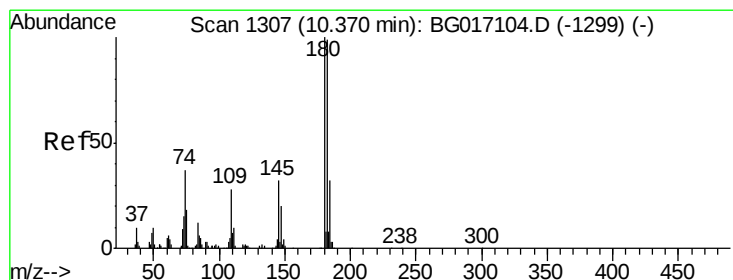
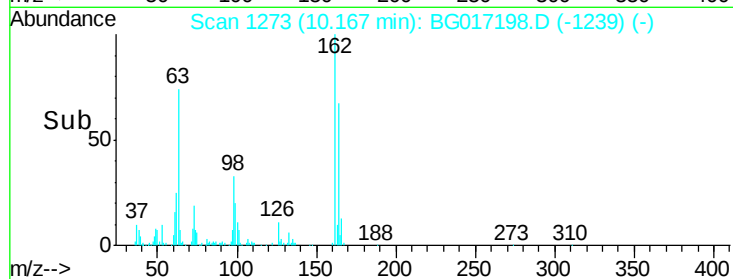
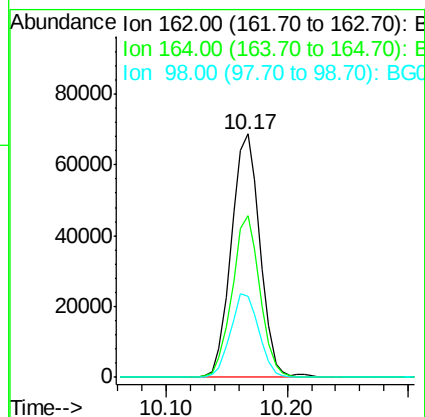
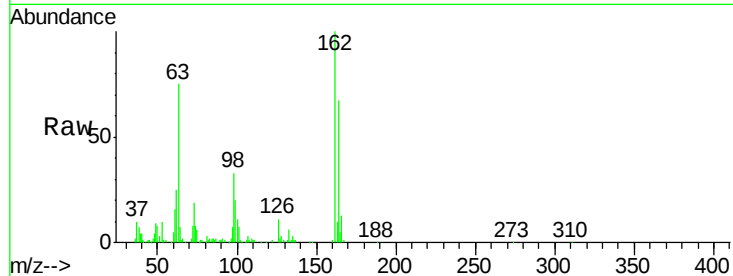




#29  
2,4-Dichlorophenol  
Concen: 43.27 ng  
RT: 10.17 min Scan# 1273  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

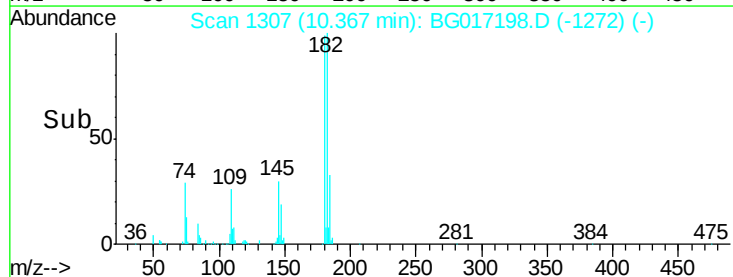
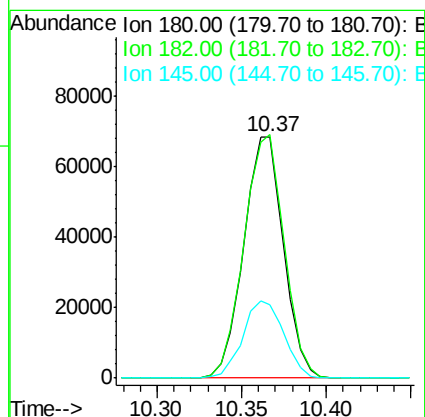
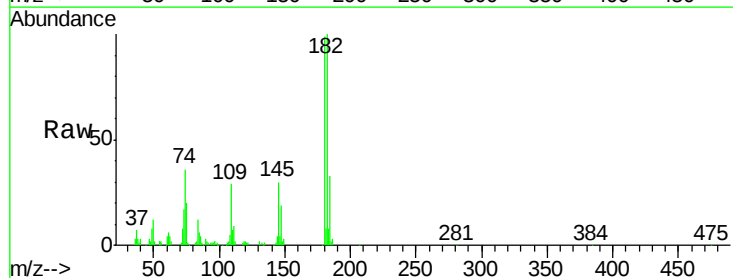
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

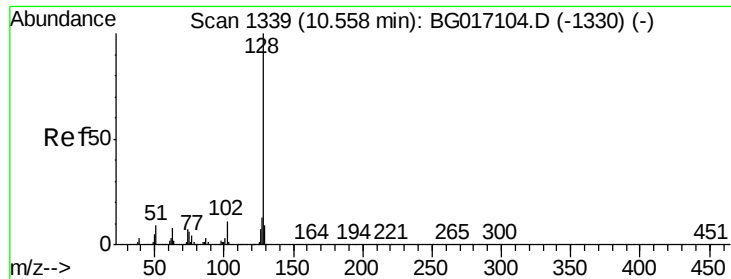
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 113258 |       |       |
| 164     | 66.6  | 41.4   | 81.4  |       |
| 98      | 33.1  | 14.3   | 54.3  |       |



#30  
1,2,4-Trichlorobenzene  
Concen: 37.58 ng  
RT: 10.37 min Scan# 1307  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 111586 |       |       |
| 182     | 100.8 | 79.4   | 119.0 |       |
| 145     | 30.5  | 25.3   | 37.9  |       |

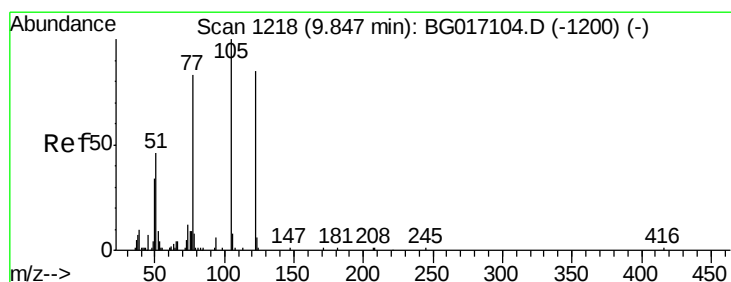
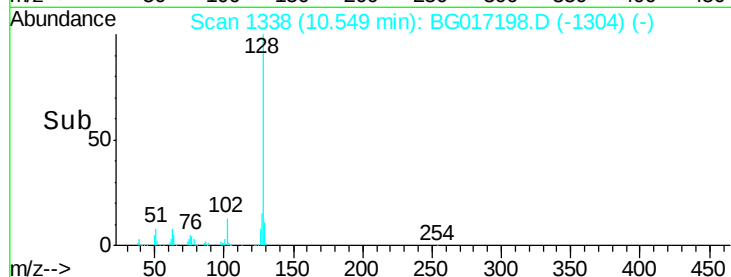
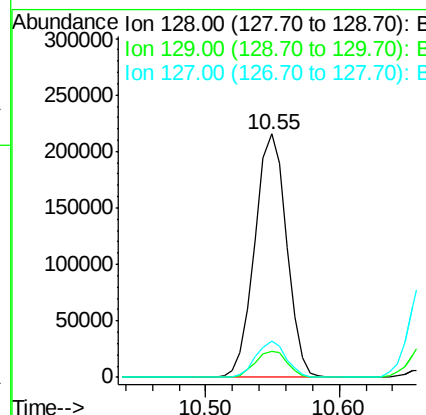
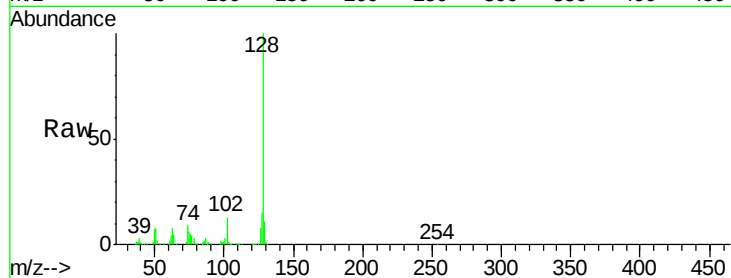




#31  
Naphthalene  
Concen: 40.16 ng  
RT: 10.55 min Scan# 1338  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

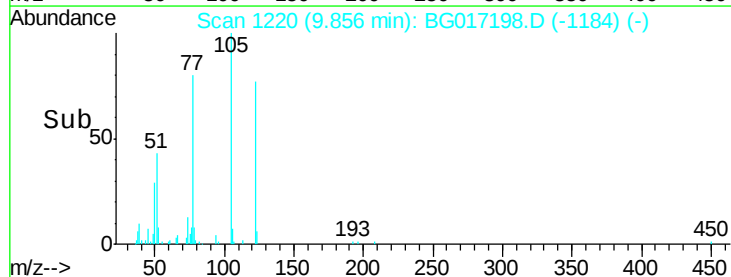
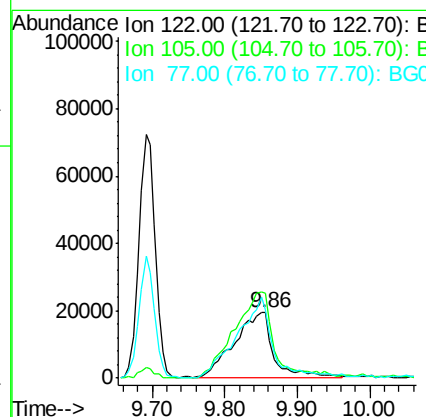
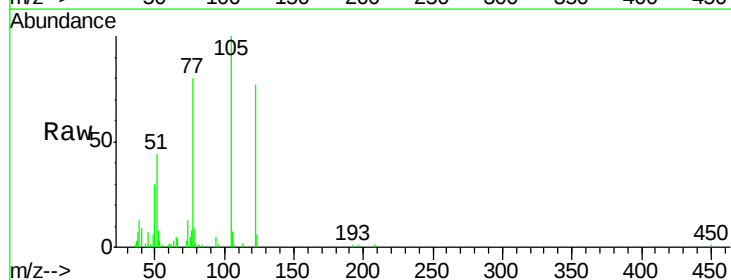
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.6  | 7.6   | 11.4  |
| 127     | 15.0  | 10.6  | 16.0  |



#32  
Benzoic acid  
Concen: 38.23 ng  
RT: 9.86 min Scan# 1220  
Delta R.T. 0.01 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 130.2 | 96.7  | 136.7 |
| 77      | 103.6 | 78.5  | 118.5 |





#33

4-Chloroaniline

Concen: 39.86 ng

RT: 10.67 min Scan# 1358

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

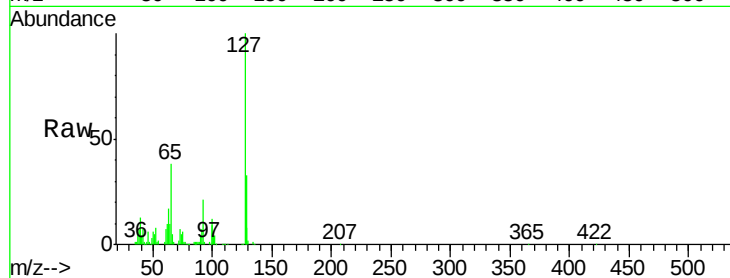
Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 165995 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.3  | 24.8  | 37.2   |
| 65       | 37.7  | 25.8  | 38.6   |
| 92       | 21.2  | 15.0  | 22.4   |

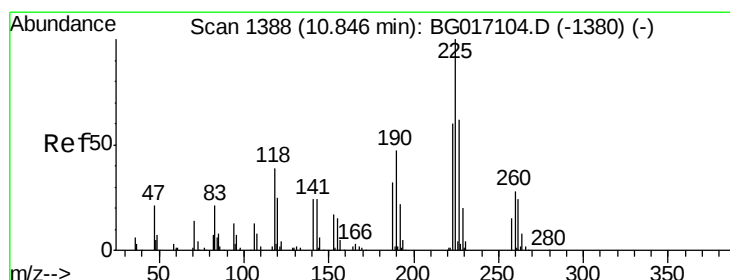
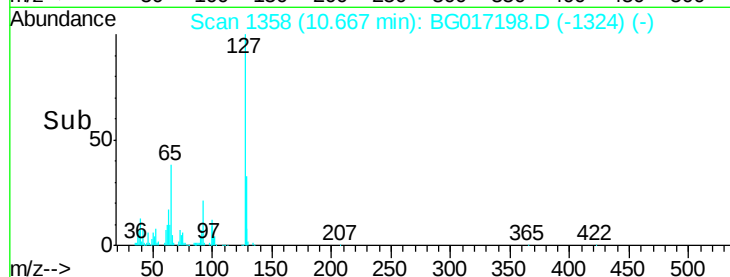
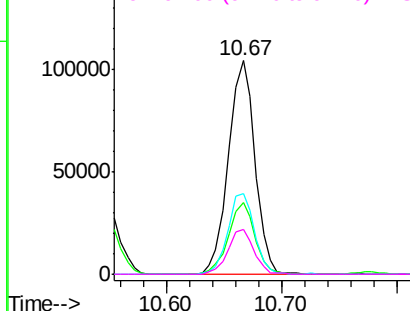


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34

Hexachlorobutadiene

Concen: 38.45 ng

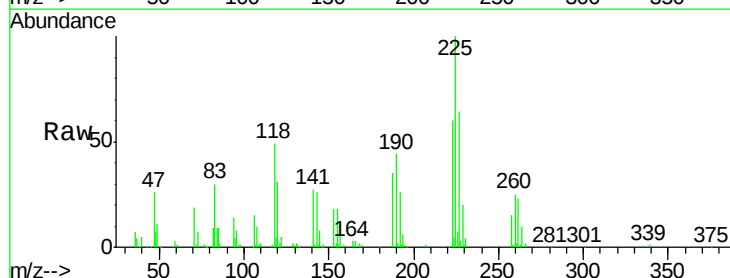
RT: 10.83 min Scan# 1386

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

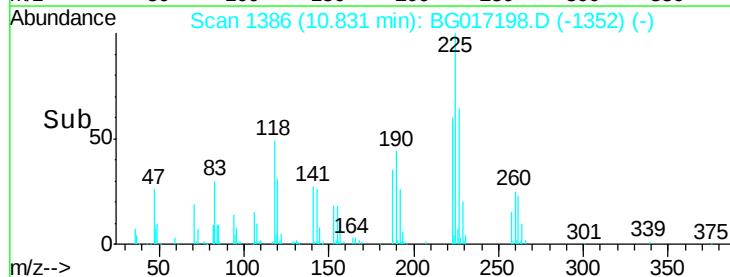
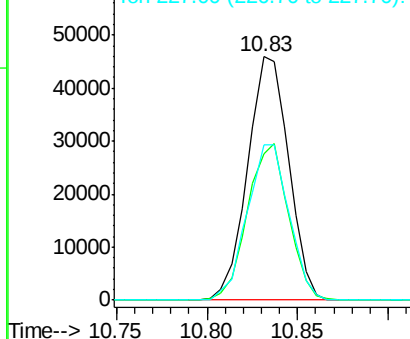
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 72299 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.1  | 48.3  | 72.5  |
| 227      | 63.9  | 49.8  | 74.8  |

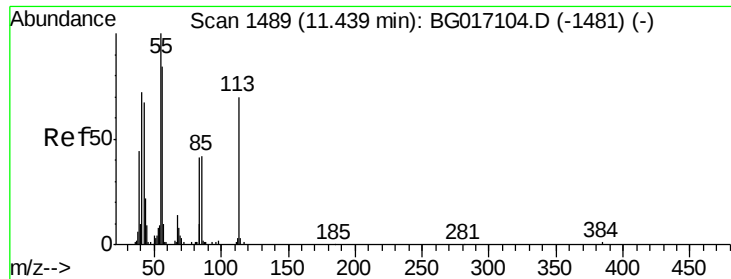


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 40.99 ng

RT: 11.44 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

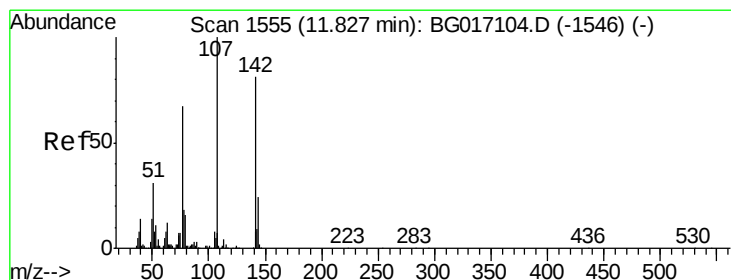
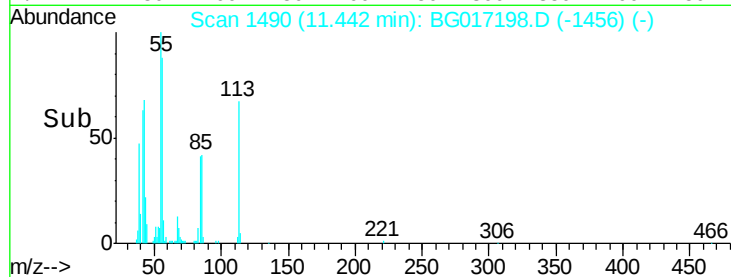
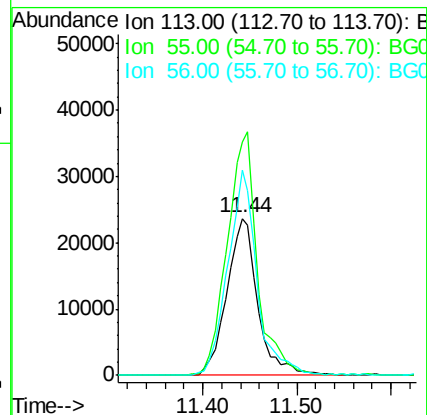
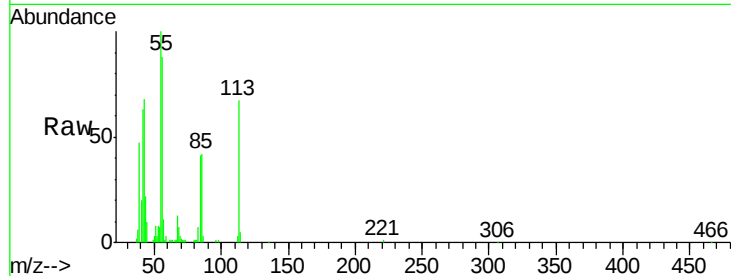
Tgt Ion:113 Resp: 53934

Ion Ratio Lower Upper

113 100

55 149.2 124.1 164.1

56 130.9 100.3 140.3



#36

4-Chloro-3-methylphenol

Concen: 44.15 ng

RT: 11.82 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

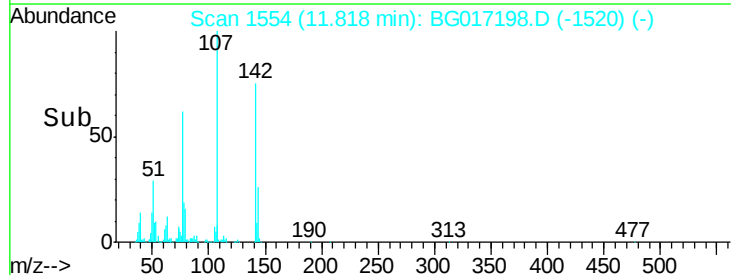
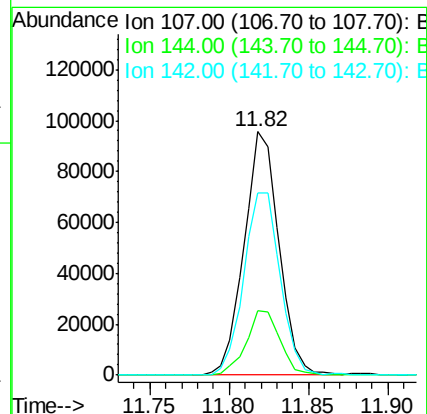
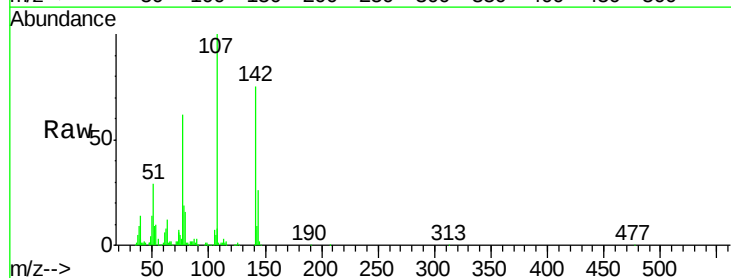
Tgt Ion:107 Resp: 146017

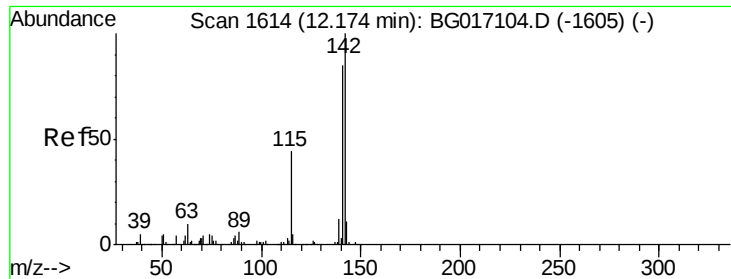
Ion Ratio Lower Upper

107 100

144 26.4 19.6 29.4

142 74.8 64.9 97.3

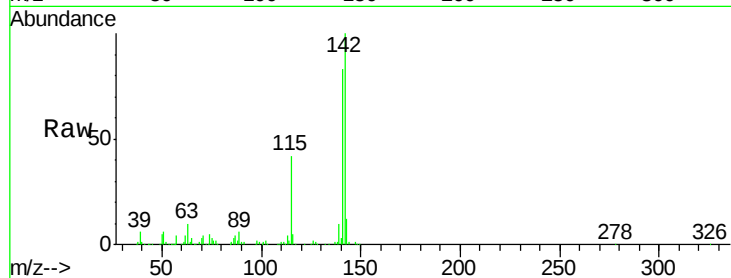




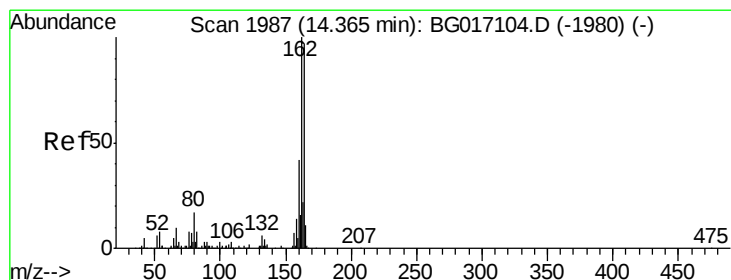
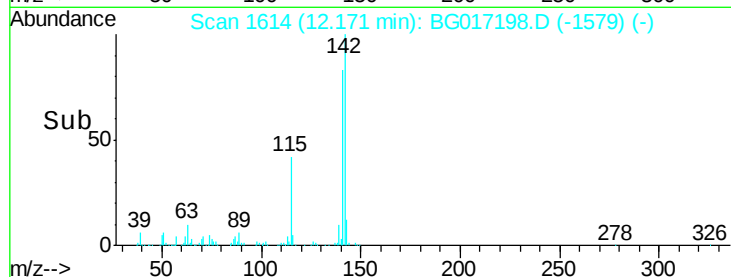
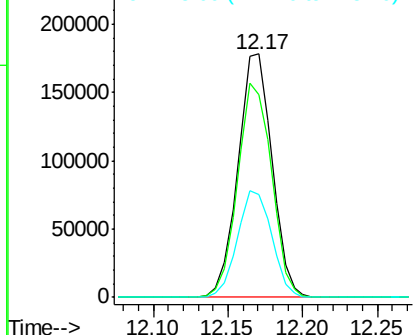
#37  
2-Methylnaphthalene  
Concen: 40.53 ng  
RT: 12.17 min Scan# 1614  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 83.4  | 68.2  | 102.2 |
| 115     | 42.2  | 35.6  | 53.4  |

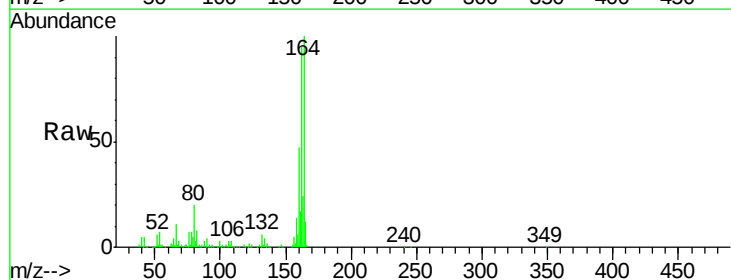


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

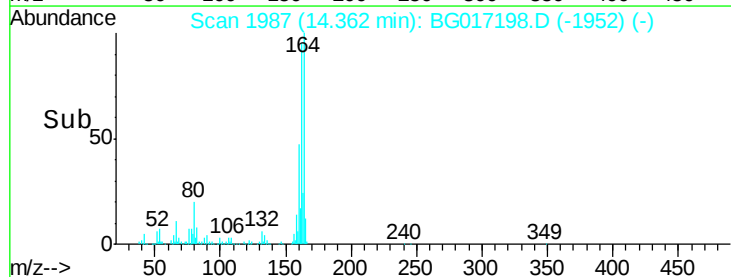
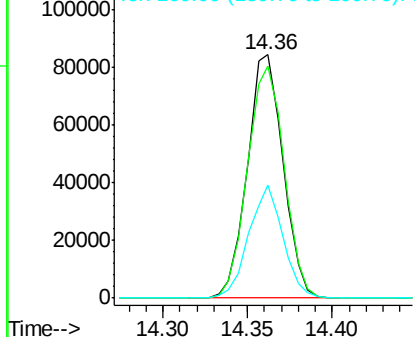


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.36 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.3  | 82.1  | 123.1 |
| 160     | 46.6  | 34.8  | 52.2  |



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.62 ng

RT: 12.54 min Scan# 1677

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion:216 Resp: 139566

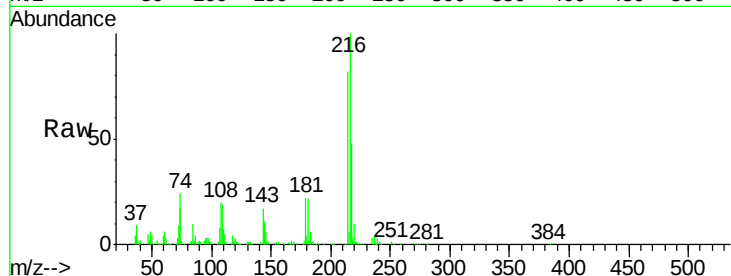
Ion Ratio Lower Upper

216 100

214 80.7 63.3 94.9

179 21.4 17.8 26.8

108 24.6 19.9 29.9

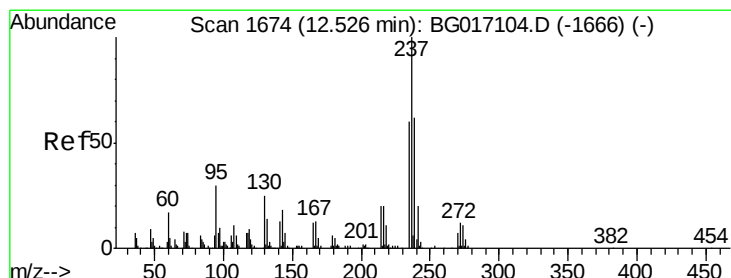
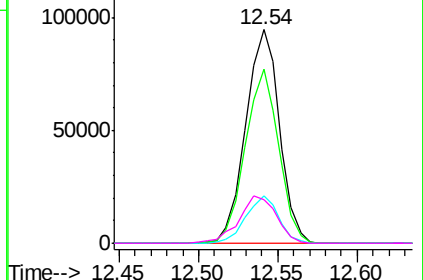
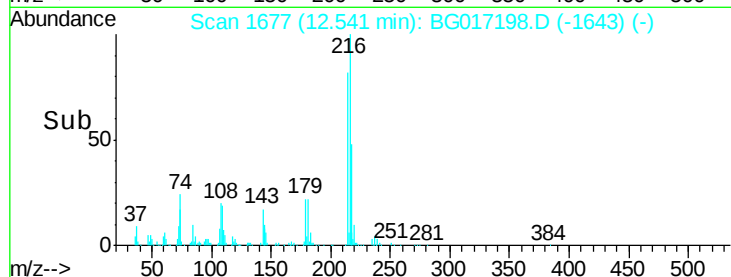


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 35.44 ng

RT: 12.52 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

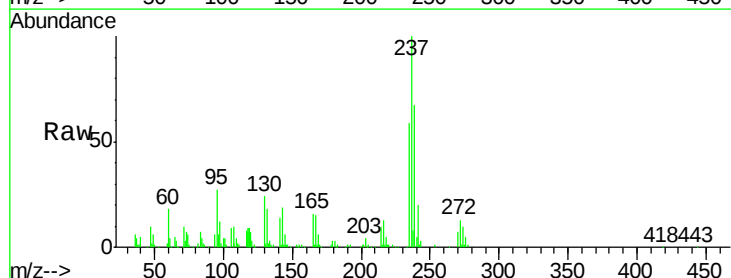
Tgt Ion:237 Resp: 76165

Ion Ratio Lower Upper

237 100

235 59.2 39.7 79.7

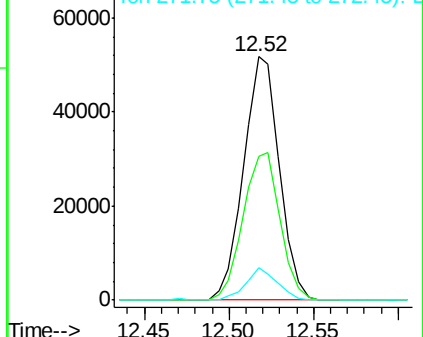
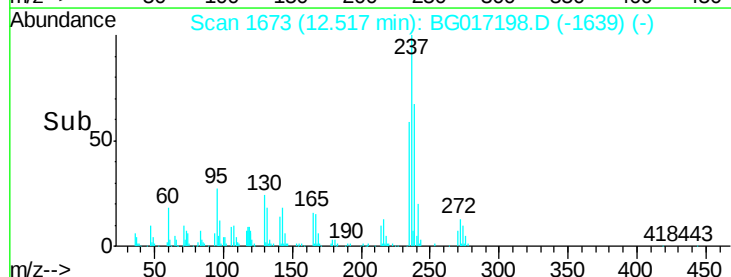
272 13.4 0.0 32.1

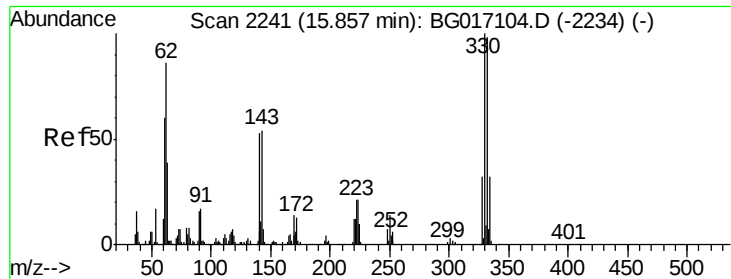


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

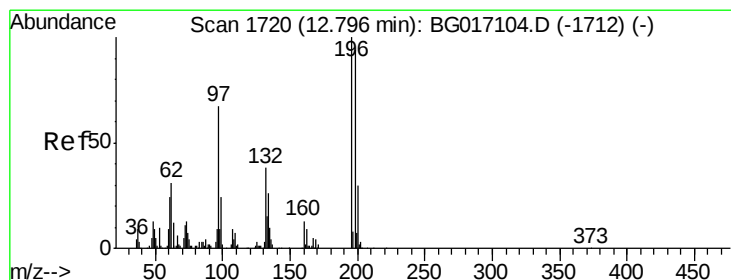
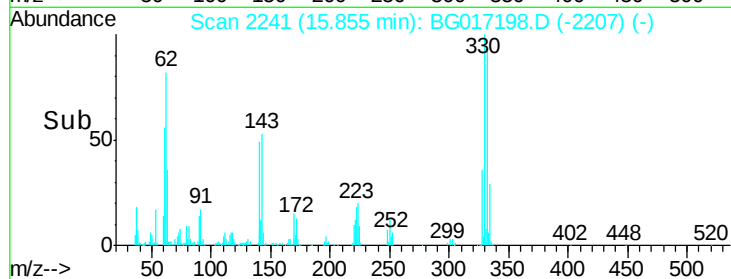
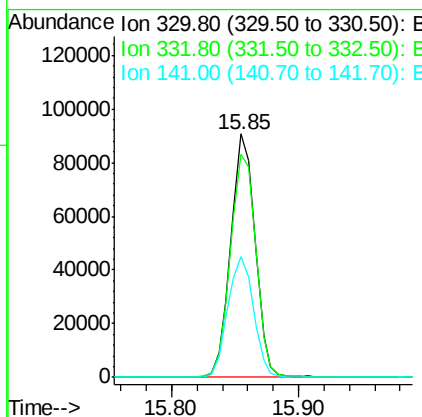
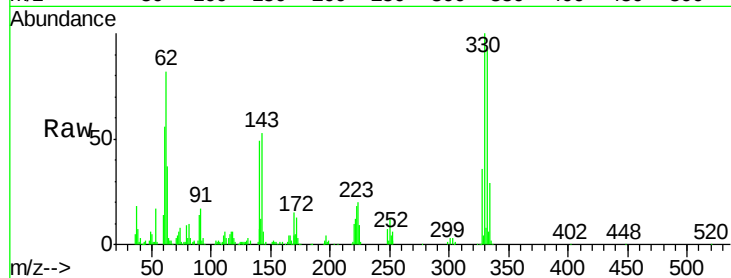




#41  
 2,4,6-Tribromophenol  
 Concen: 79.91 ng  
 RT: 15.85 min Scan# 2241  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

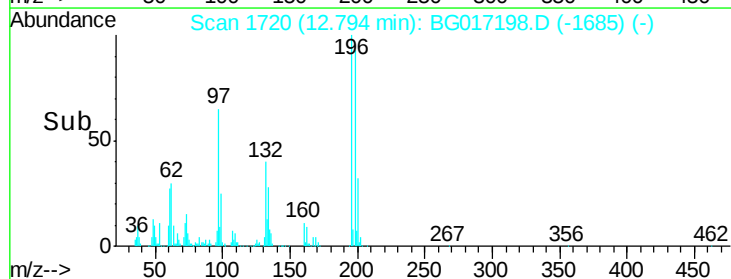
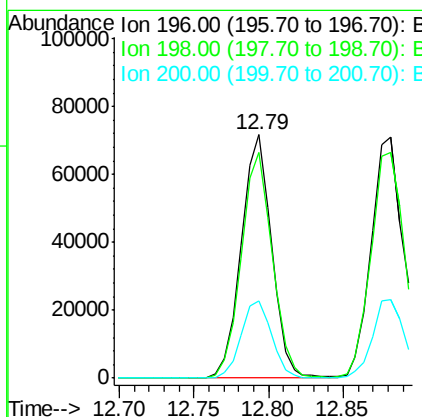
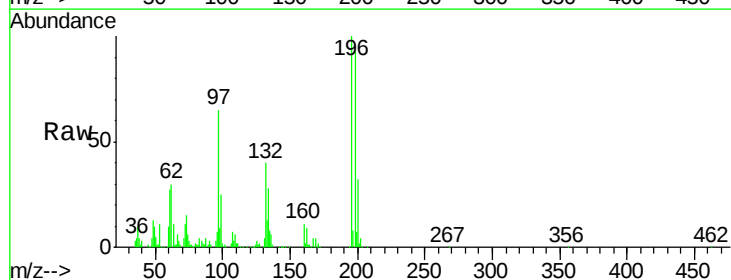
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

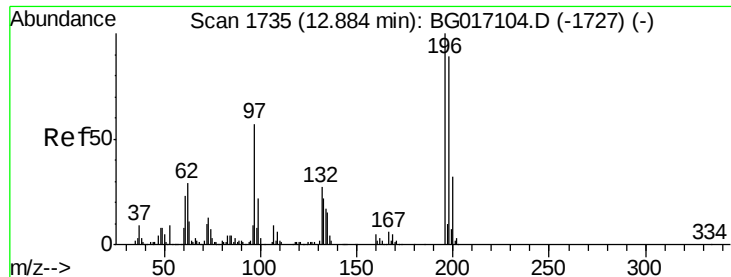
Tgt Ion: 330 Resp: 120276  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 76.9 115.3  
 141 52.2 42.2 63.2



#42  
 2,4,6-Trichlorophenol  
 Concen: 40.48 ng  
 RT: 12.79 min Scan# 1720  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

Tgt Ion: 196 Resp: 101151  
 Ion Ratio Lower Upper  
 196 100  
 198 92.9 74.9 112.3  
 200 31.9 24.2 36.2

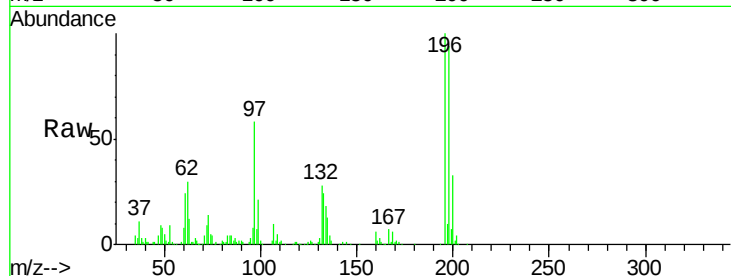




#43  
2,4,5-Trichlorophenol  
Concen: 41.20 ng  
RT: 12.88 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.5  | 71.4  | 107.0 |
| 97      | 58.3  | 45.4  | 68.0  |
| 132     | 27.8  | 22.5  | 33.7  |



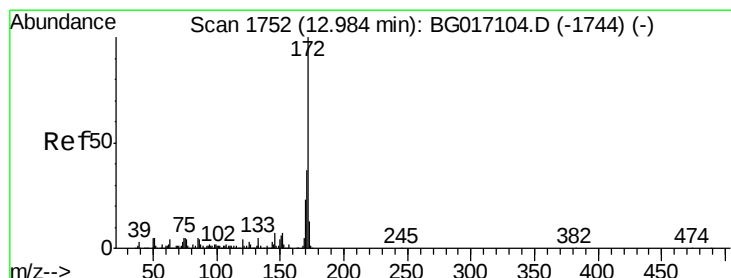
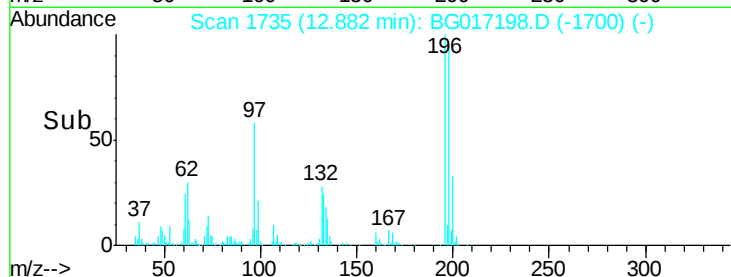
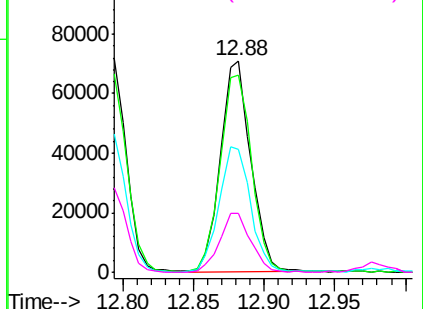
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

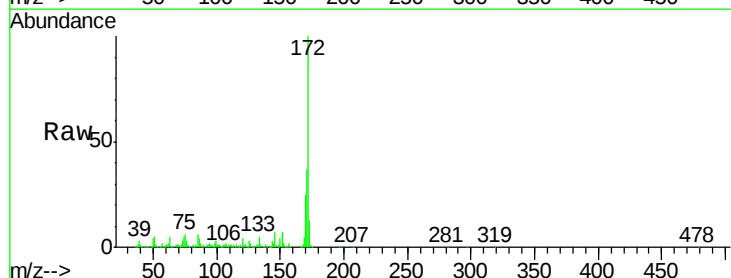
Ion 97.00 (96.70 to 97.70): BG

Ion 132.00 (131.70 to 132.70): E



#44  
2-Fluorobiphenyl  
Concen: 79.62 ng  
RT: 12.98 min Scan# 1752  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.7  | 44.5  |
| 170     | 24.7  | 18.4  | 27.6  |

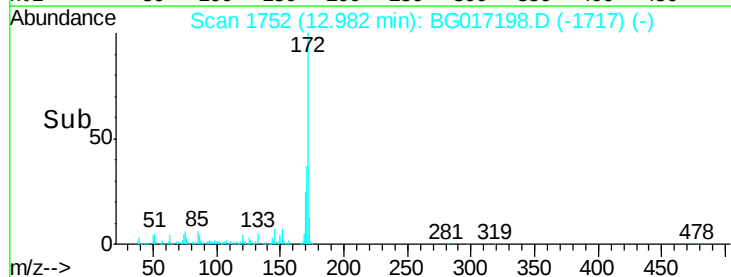
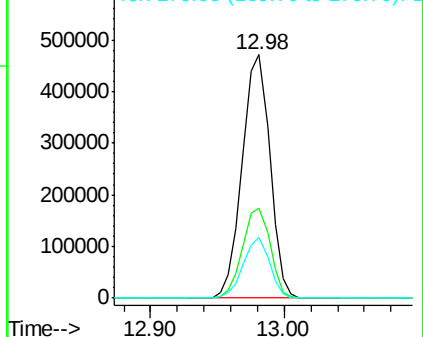


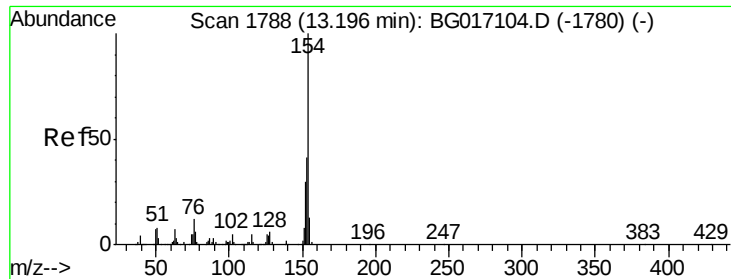
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

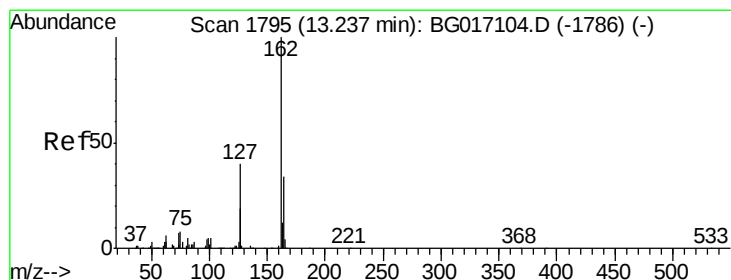
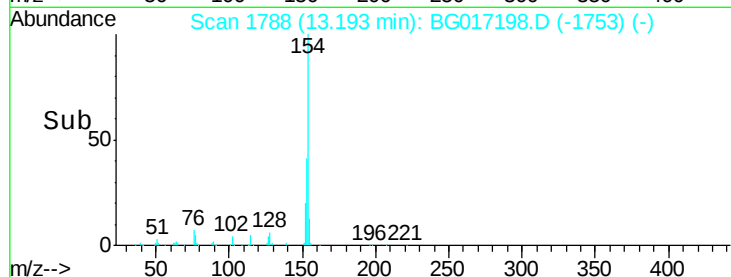
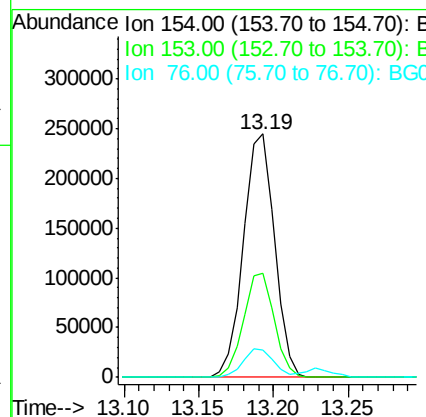
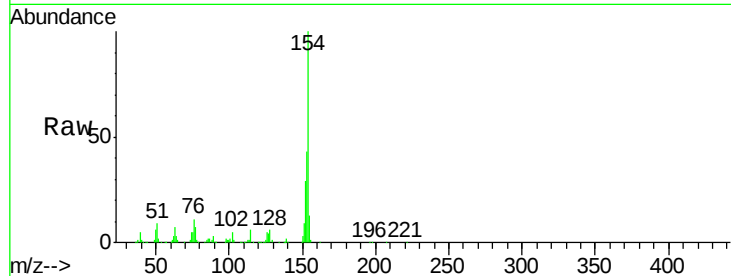




#45  
 1,1'-Biphenyl  
 Concen: 39.46 ng  
 RT: 13.19 min Scan# 1788  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

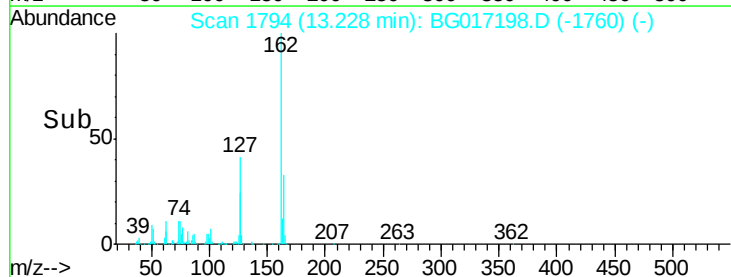
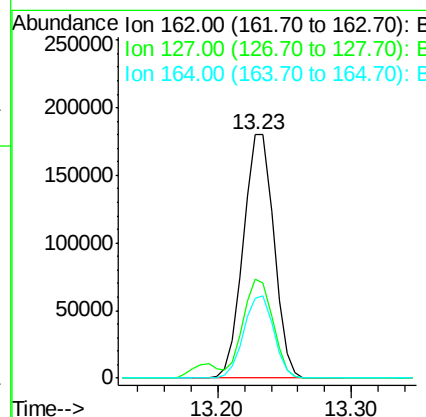
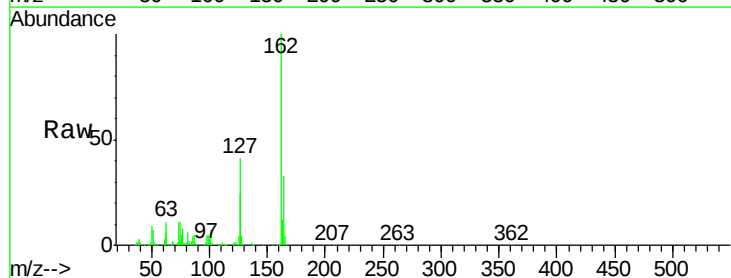
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

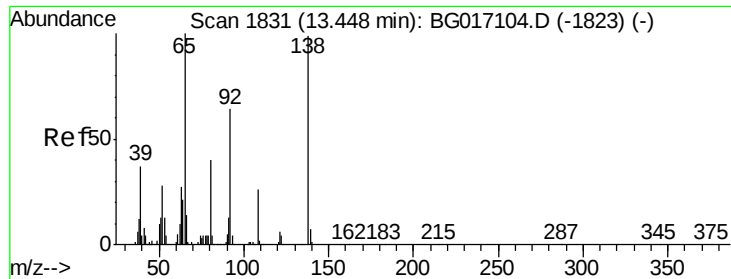
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.6  | 21.5  | 61.5  |
| 76      | 11.4  | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 40.19 ng  
 RT: 13.23 min Scan# 1794  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.6  | 33.5  | 50.3  |
| 164     | 32.8  | 27.0  | 40.6  |





#47

2-Nitroaniline

Concen: 41.46 ng

RT: 13.45 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

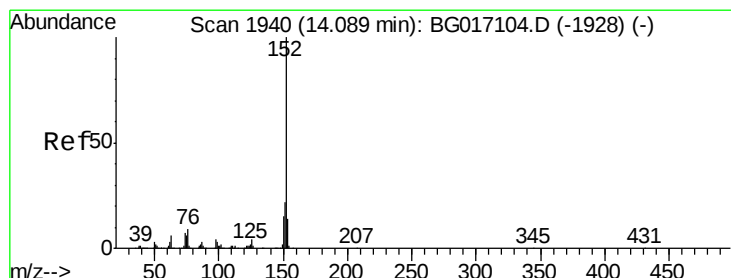
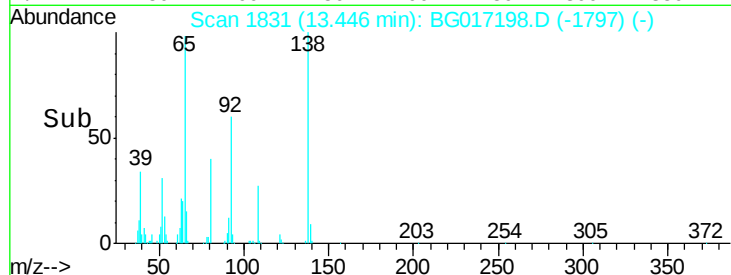
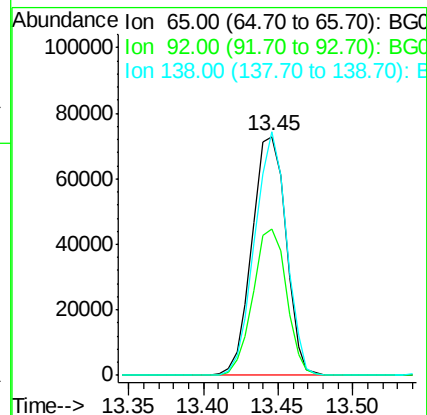
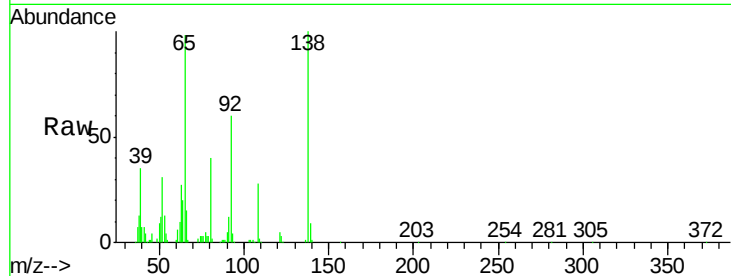
Tgt Ion: 65 Resp: 114531

Ion Ratio Lower Upper

65 100

92 61.4 51.0 76.4

138 101.9 79.3 118.9



#48

Acenaphthylene

Concen: 40.49 ng

RT: 14.08 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

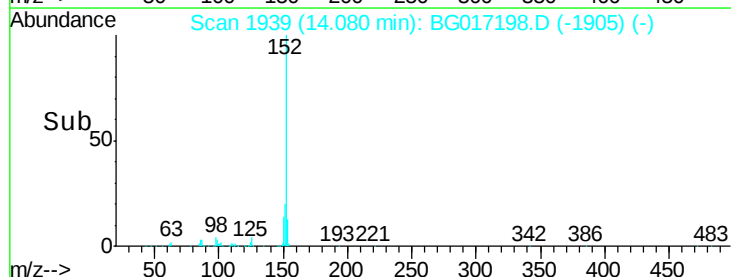
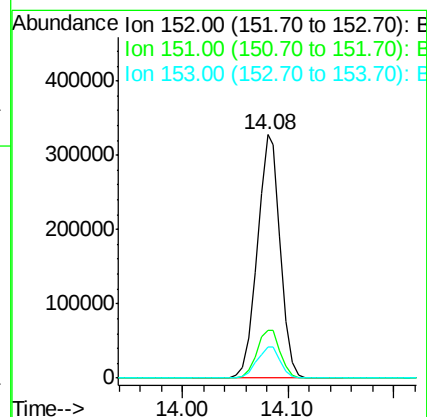
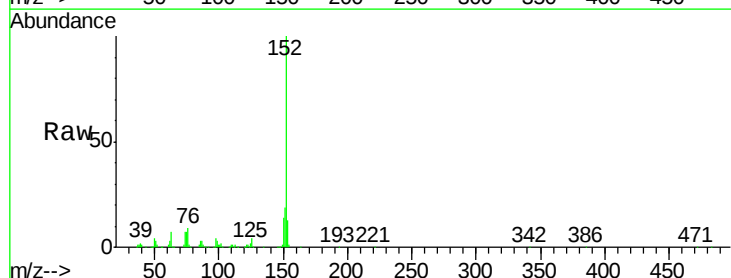
Tgt Ion: 152 Resp: 492491

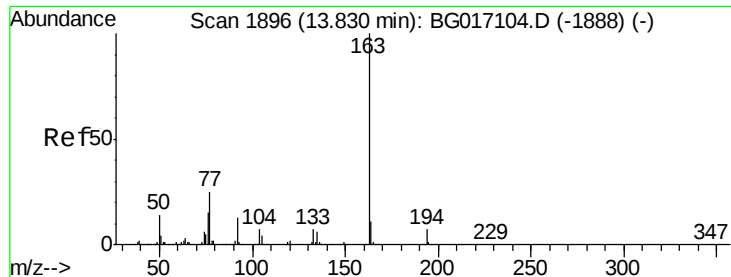
Ion Ratio Lower Upper

152 100

151 19.5 17.2 25.8

153 13.0 10.8 16.2

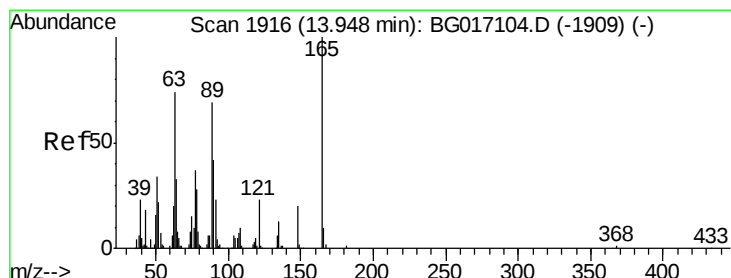
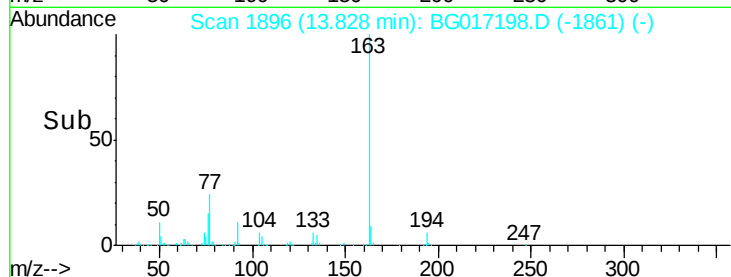
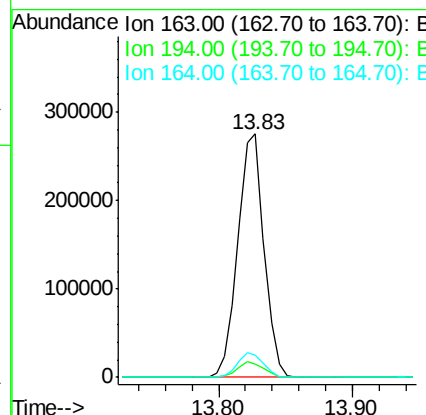
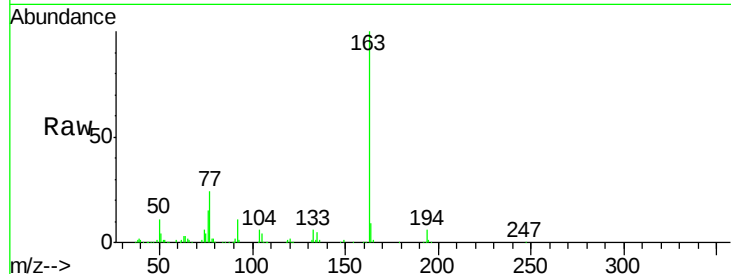




#49  
Dimethylphthalate  
Concen: 38.75 ng  
RT: 13.83 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

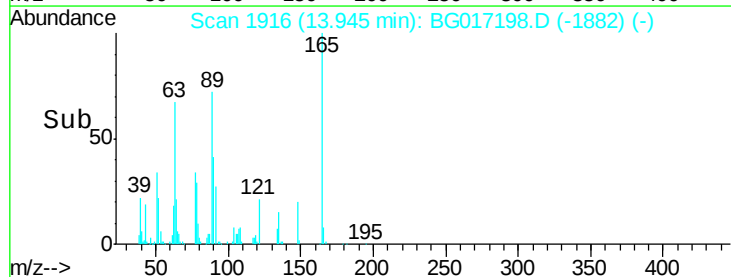
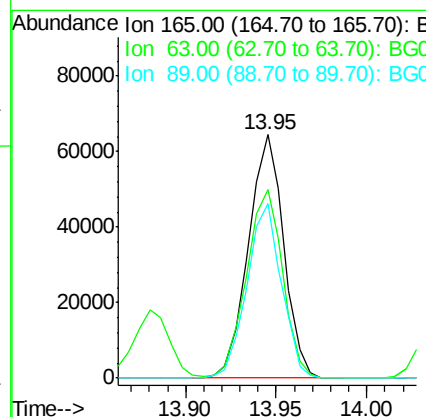
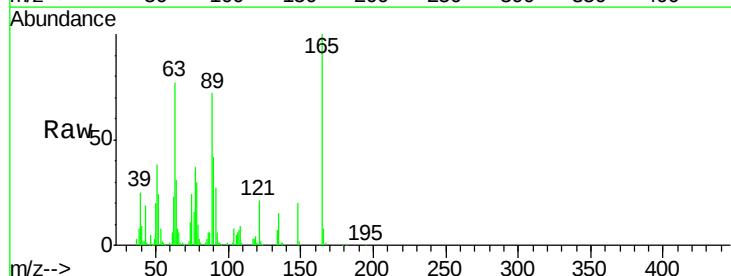
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

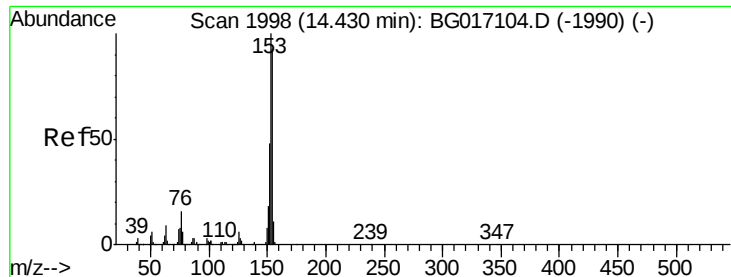
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.6   | 5.6   | 8.4   |
| 164     | 9.3   | 8.6   | 13.0  |



#50  
2,6-Dinitrotoluene  
Concen: 40.33 ng  
RT: 13.95 min Scan# 1916  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 77.5  | 60.6  | 90.8  |
| 89      | 71.8  | 55.0  | 82.6  |





#51

Acenaphthene

Concen: 39.76 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

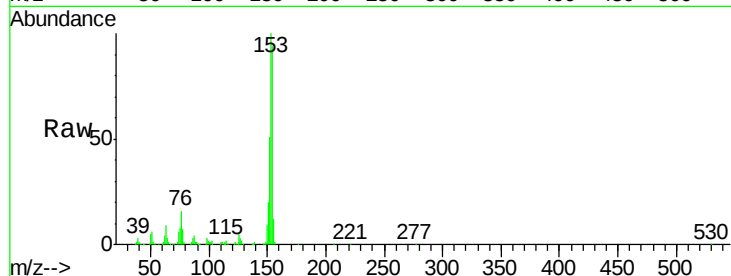
Tgt Ion:154 Resp: 285600

Ion Ratio Lower Upper

154 100

153 106.4 86.2 129.4

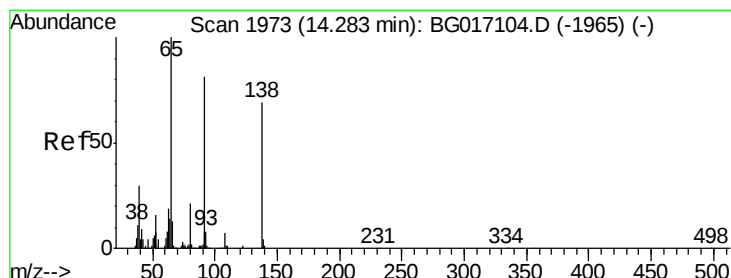
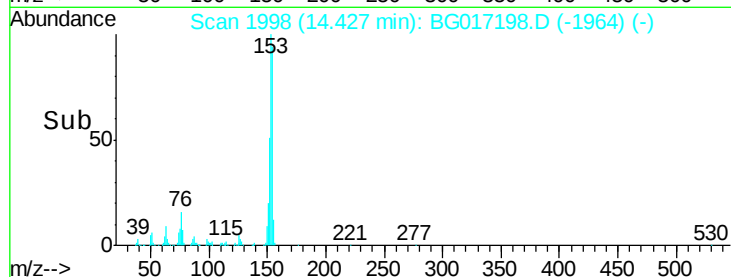
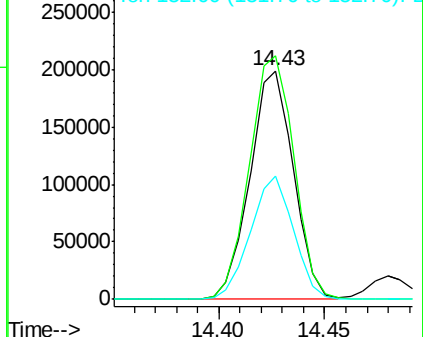
152 54.0 41.5 62.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.65 ng

RT: 14.27 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

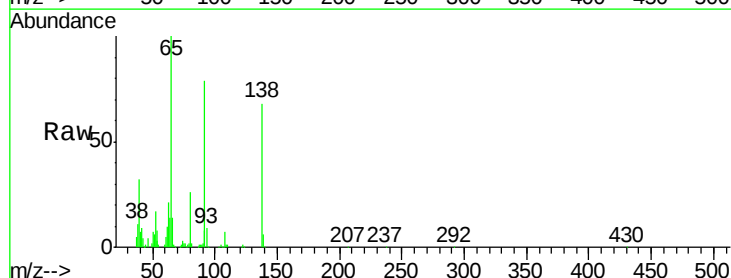
Tgt Ion:138 Resp: 97305

Ion Ratio Lower Upper

138 100

108 10.5 7.6 11.4

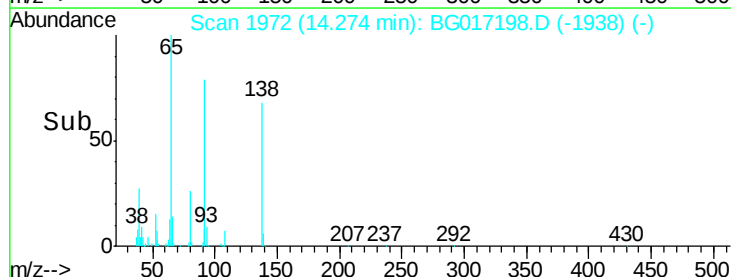
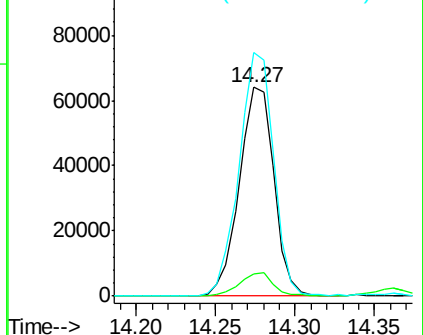
92 116.6 93.6 140.4

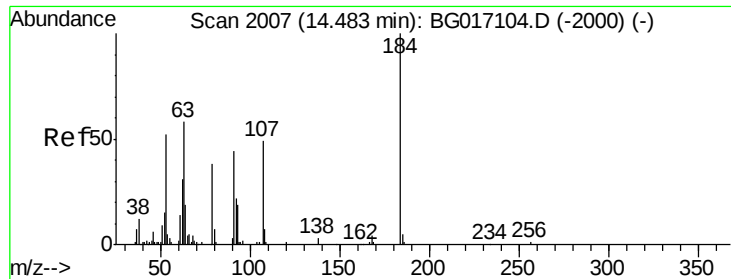


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

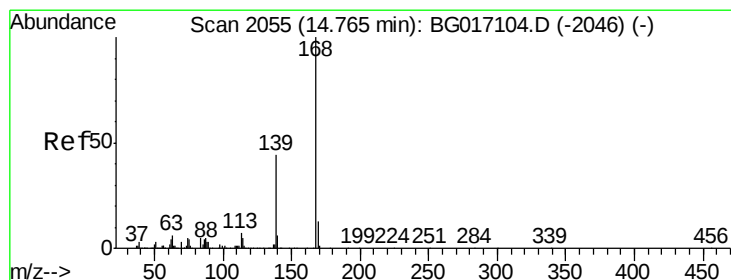
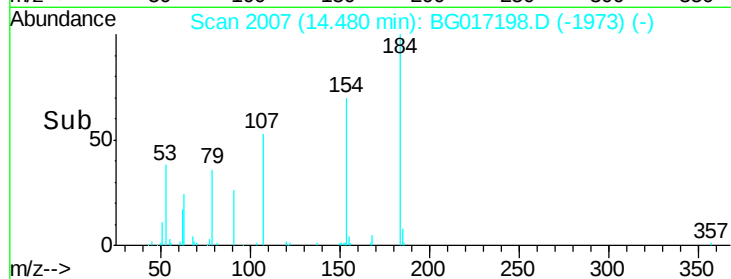
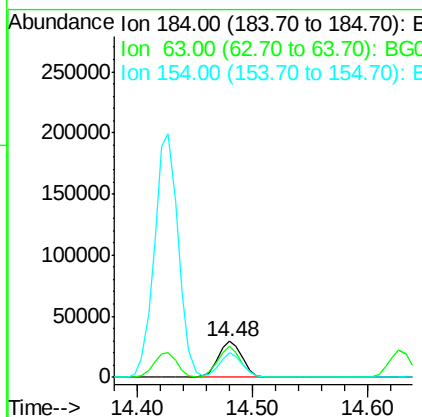
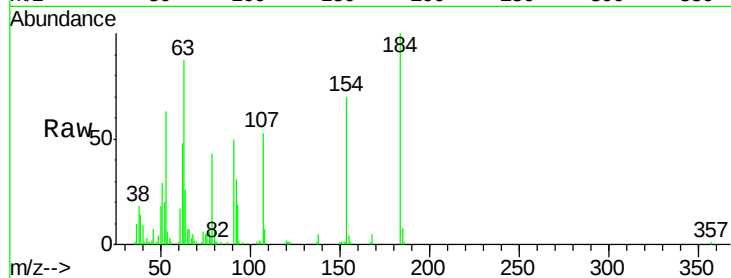




#53  
2,4-Dinitrophenol  
Concen: 34.51 ng  
RT: 14.48 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

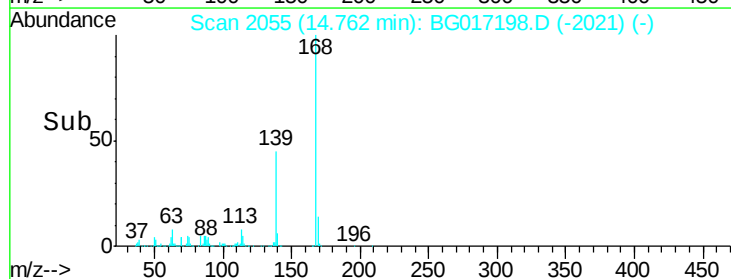
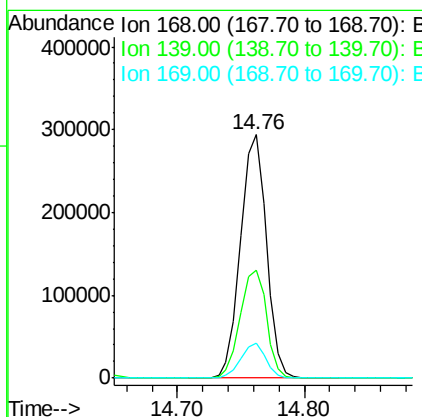
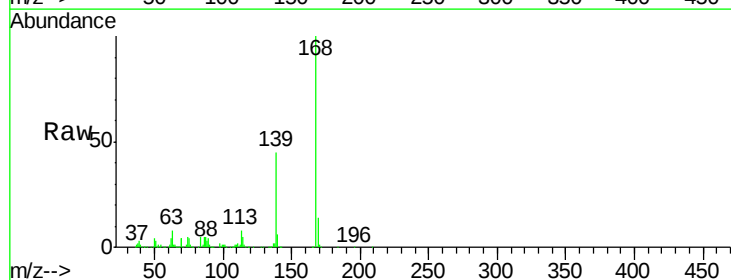
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:184 Resp: 43232  
Ion Ratio Lower Upper  
184 100  
63 86.8 63.6 95.4  
154 70.3 47.8 71.6



#54  
Dibenzofuran  
Concen: 38.94 ng  
RT: 14.76 min Scan# 2055  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion:168 Resp: 415896  
Ion Ratio Lower Upper  
168 100  
139 44.6 34.9 52.3  
169 14.3 10.5 15.7

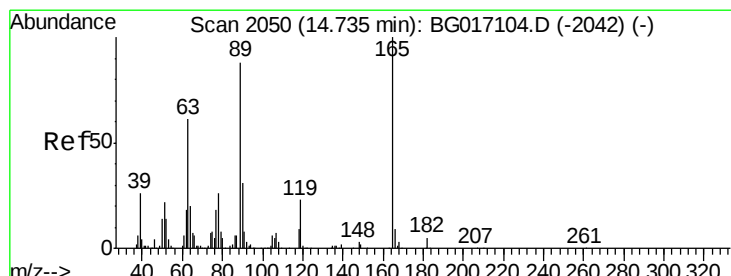
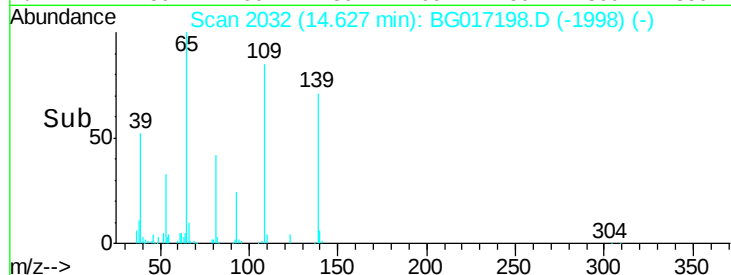
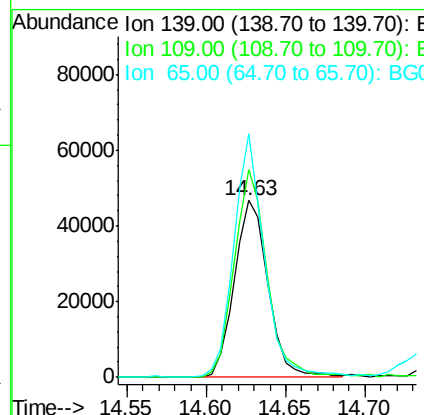
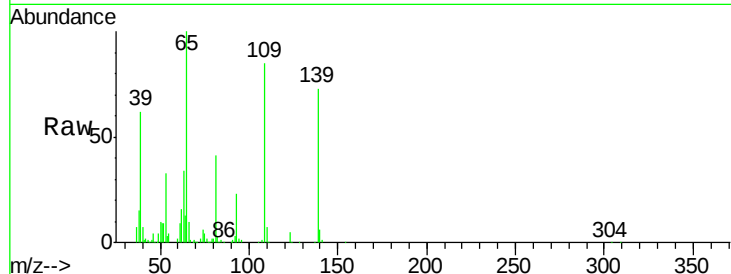




#55  
4-Nitrophenol  
Concen: 35.77 ng  
RT: 14.63 min Scan# 2032  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

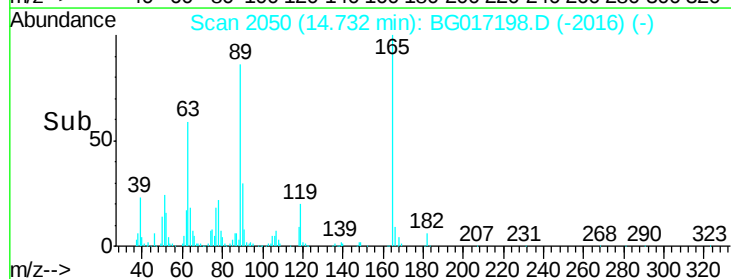
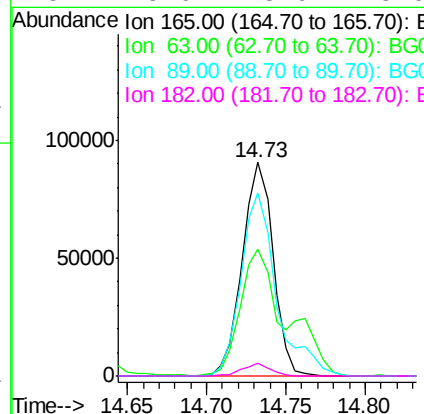
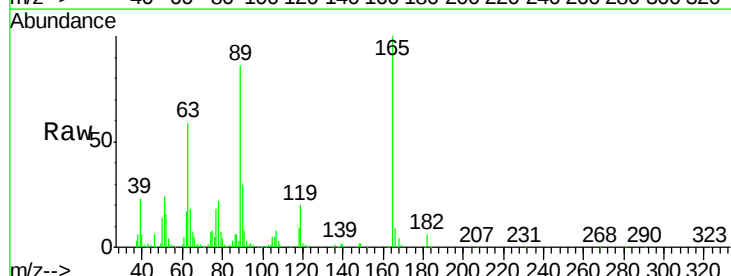
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

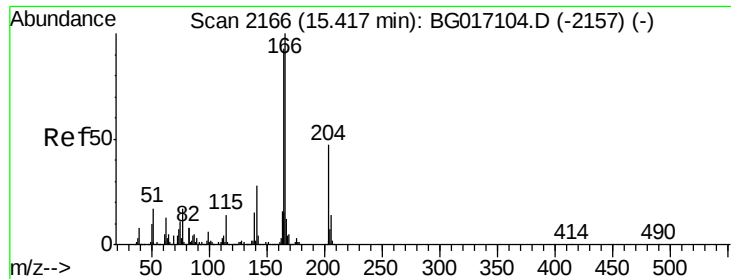
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 117.3 | 90.5  | 130.5 |
| 65      | 137.6 | 99.9  | 139.9 |



#56  
2,4-Dinitrotoluene  
Concen: 40.76 ng  
RT: 14.73 min Scan# 2050  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 59.4  | 49.0  | 73.4  |
| 89      | 85.9  | 70.1  | 105.1 |
| 182     | 5.9   | 3.9   | 5.9#  |





#57

Fluorene

Concen: 39.46 ng

RT: 15.41 min Scan# 2165

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

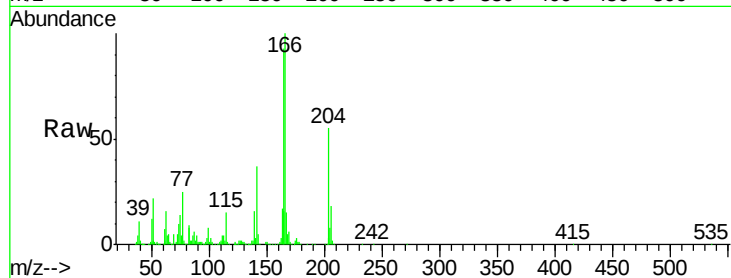
Tgt Ion:166 Resp: 373050

Ion Ratio Lower Upper

166 100

165 93.2 74.2 111.4

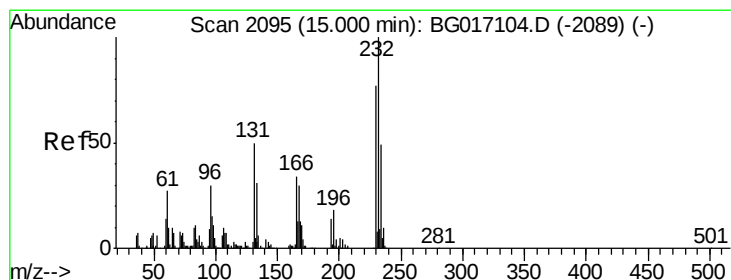
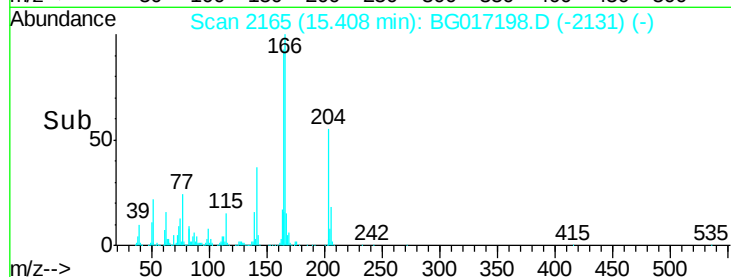
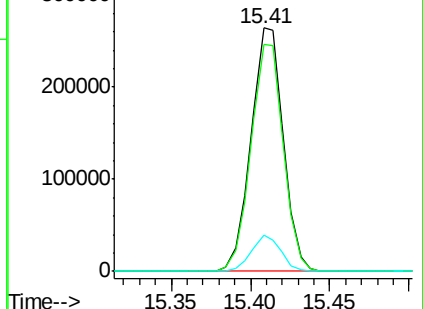
167 14.6 9.8 14.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 40.07 ng

RT: 15.00 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Tgt Ion:232 Resp: 94685

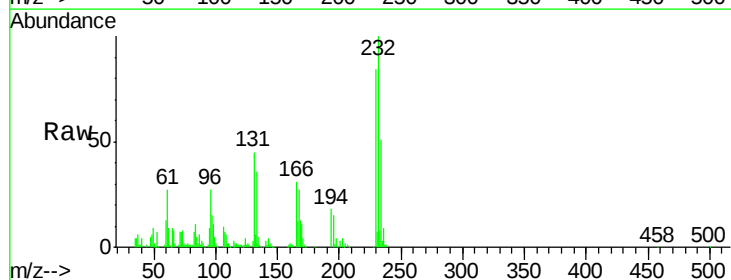
Ion Ratio Lower Upper

232 100

131 52.6 42.7 64.1

130 3.8 3.0 4.4

166 32.0 25.7 38.5

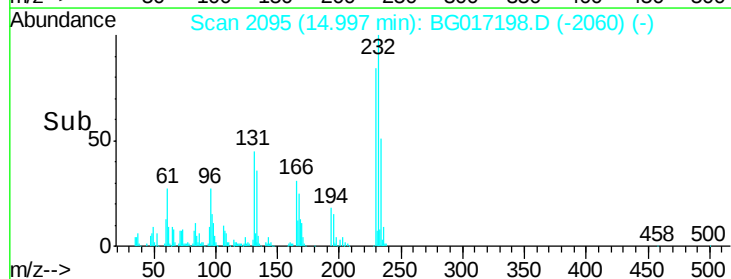
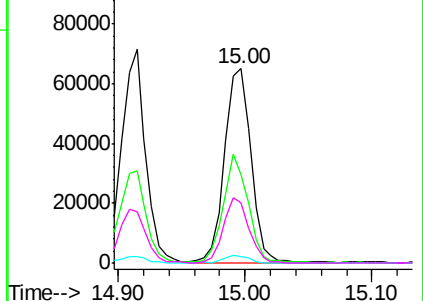


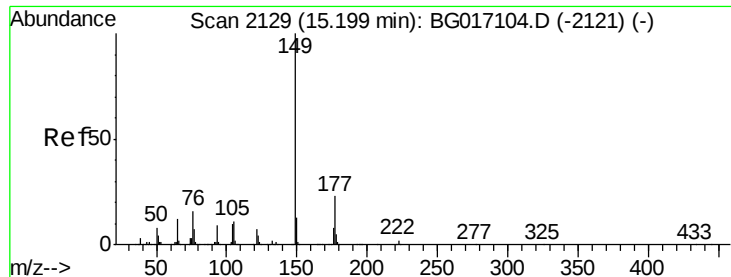
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

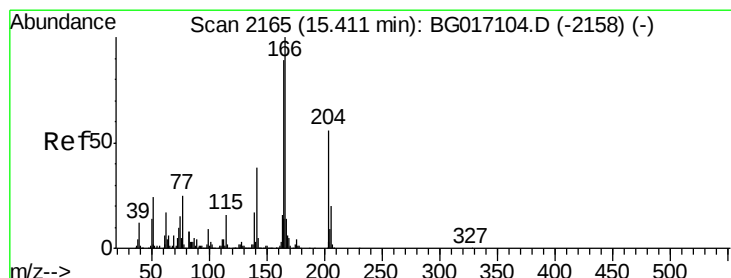
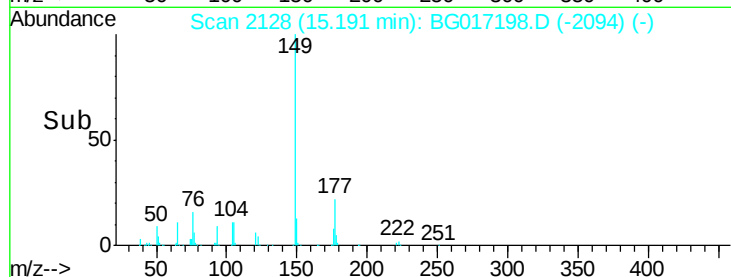
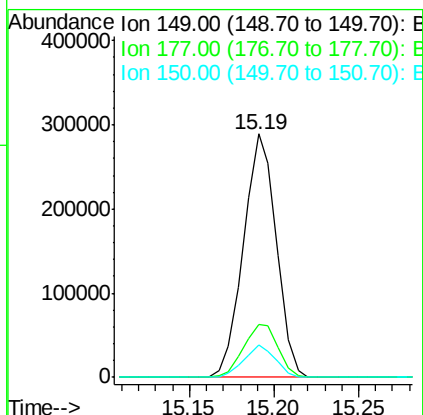
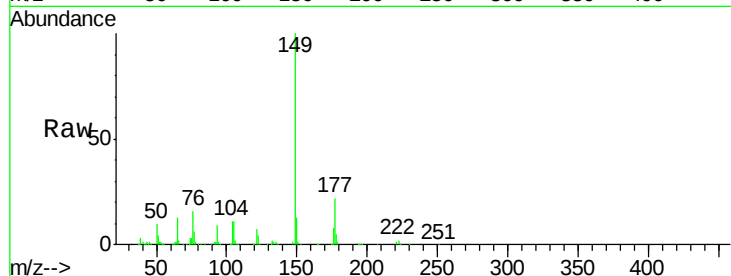




#59  
Diethylphthalate  
Concen: 37.41 ng  
RT: 15.19 min Scan# 2128  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

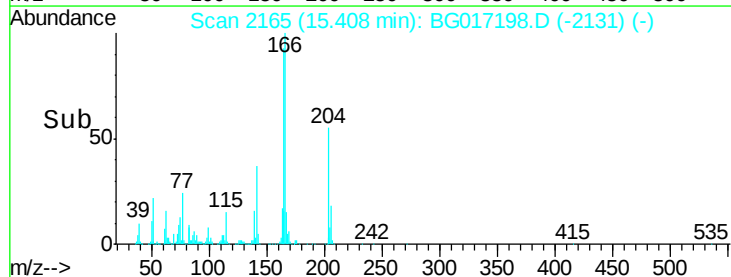
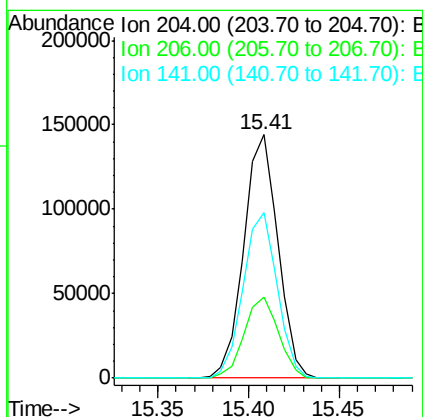
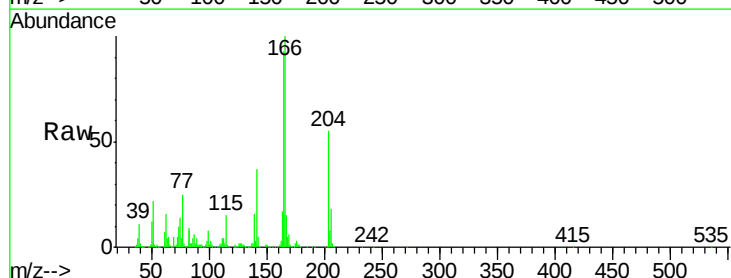
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

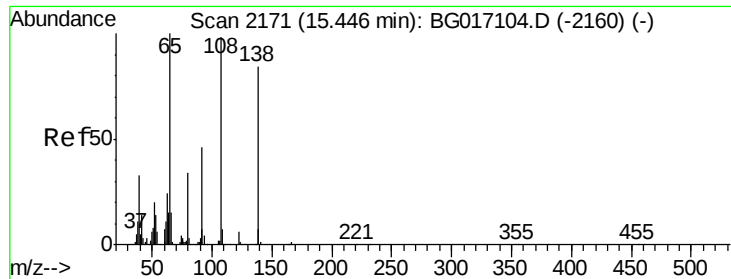
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 21.8  | 18.3  | 27.5  |
| 150     | 13.5  | 10.4  | 15.6  |



#60  
4-Chlorophenyl-phenylether  
Concen: 38.78 ng  
RT: 15.41 min Scan# 2165  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 28.6  | 42.8  |
| 141     | 67.8  | 54.2  | 81.2  |

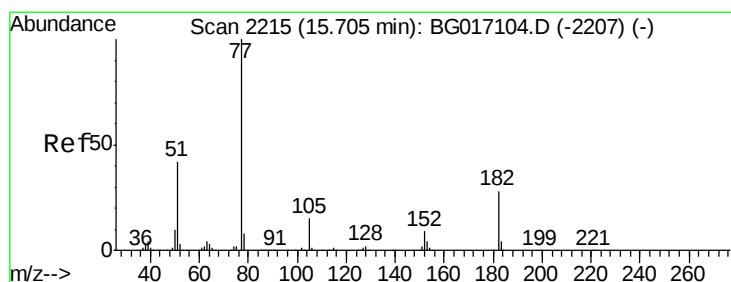
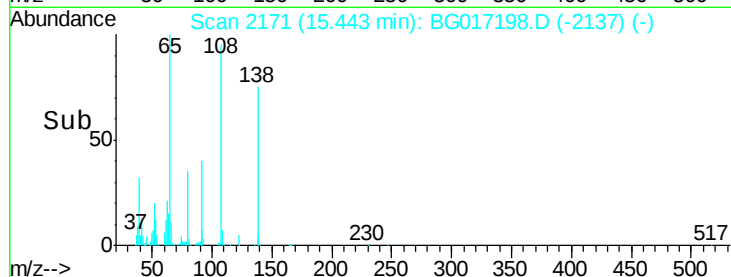
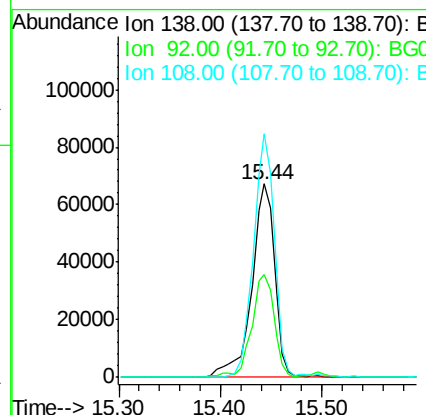
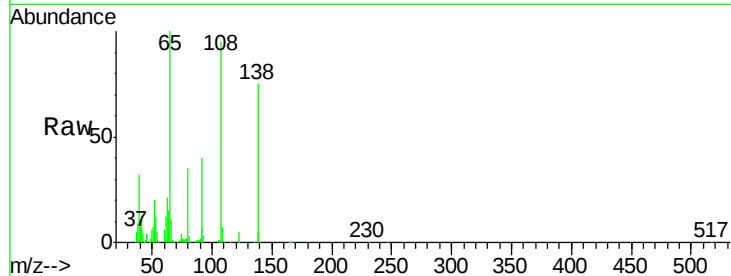




#61  
4-Nitroaniline  
Concen: 39.42 ng  
RT: 15.44 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

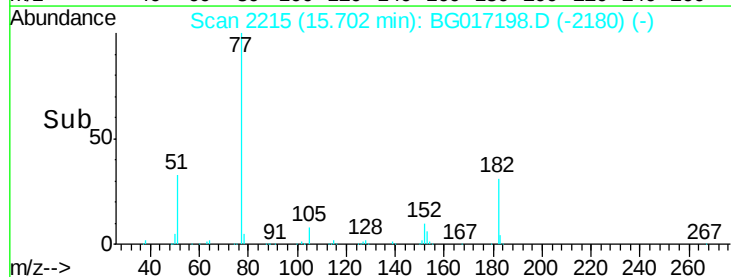
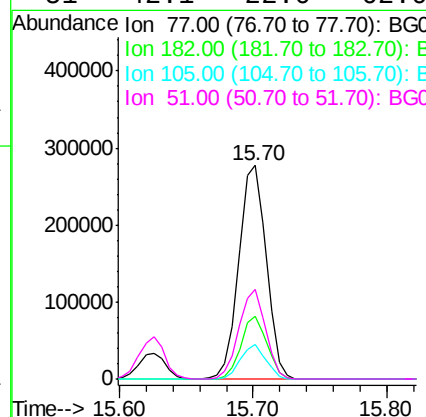
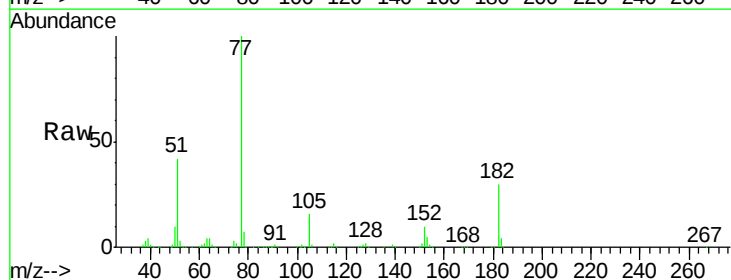
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

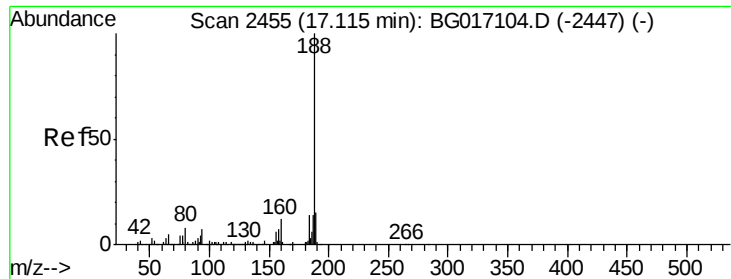
Tgt Ion: 138 Resp: 105286  
Ion Ratio Lower Upper  
138 100  
92 53.6 34.9 74.9  
108 126.0 95.8 135.8



#62  
Azobenzene  
Concen: 39.64 ng  
RT: 15.70 min Scan# 2215  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion: 77 Resp: 396029  
Ion Ratio Lower Upper  
77 100  
182 29.5 8.1 48.1  
105 15.9 0.0 34.8  
51 42.1 22.0 62.0

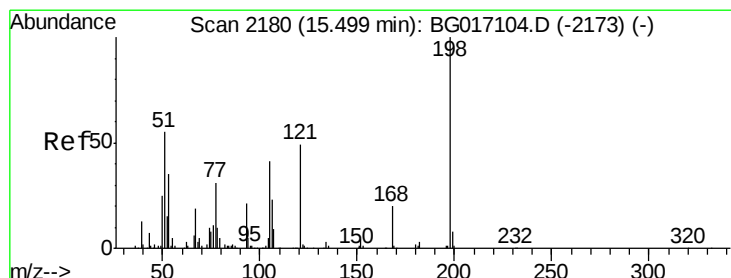
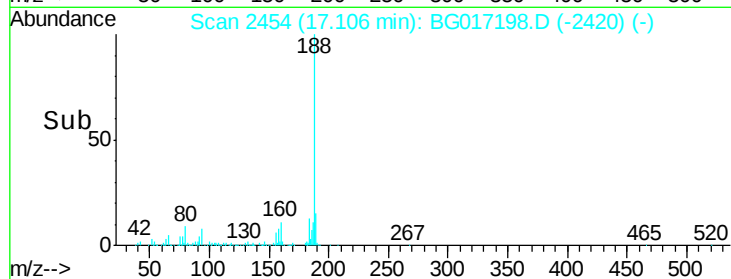
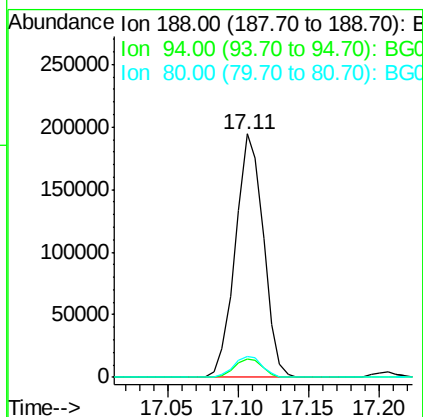
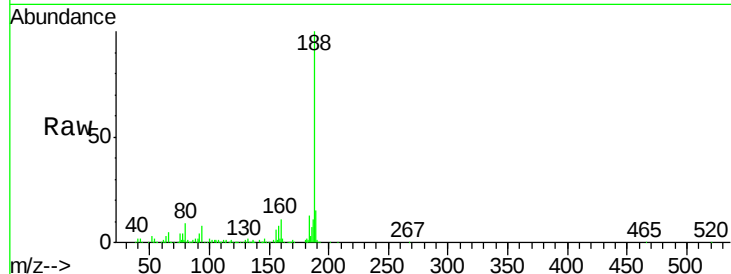




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.11 min Scan# 2454  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

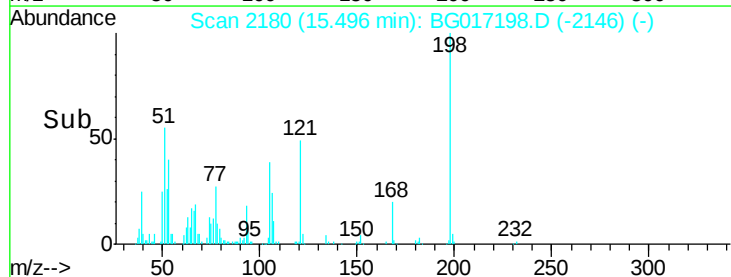
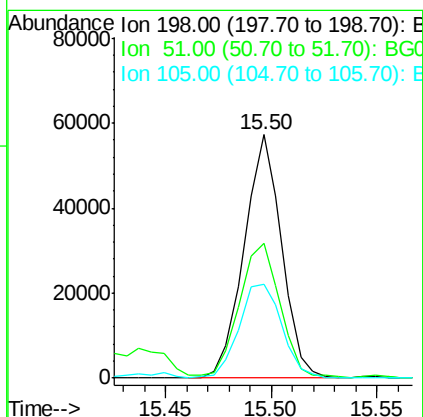
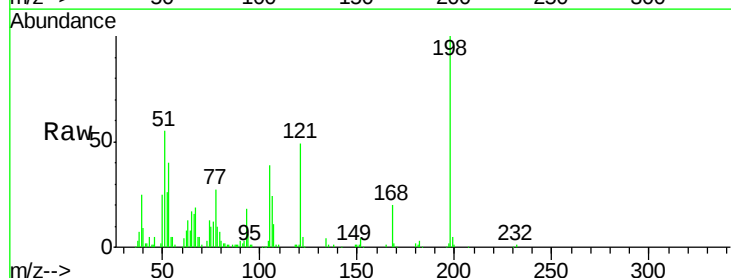
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:188 Resp: 269076  
Ion Ratio Lower Upper  
188 100  
94 7.8 5.8 8.6  
80 8.8 6.5 9.7



#64  
4,6-Dinitro-2-methylphenol  
Concen: 38.18 ng  
RT: 15.50 min Scan# 2180  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion:198 Resp: 70411  
Ion Ratio Lower Upper  
198 100  
51 55.4 39.9 79.9  
105 38.7 22.0 62.0

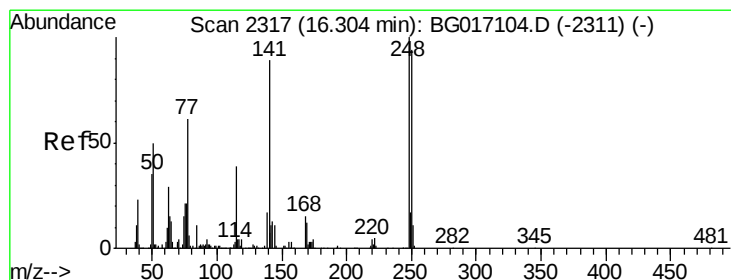
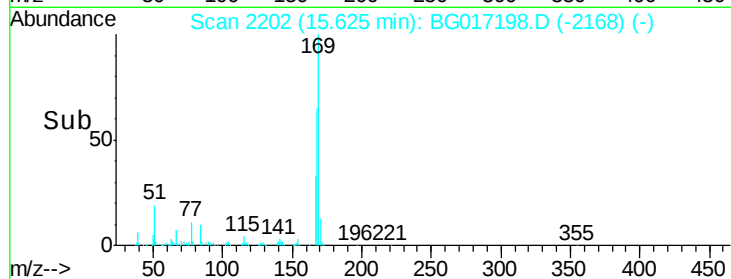
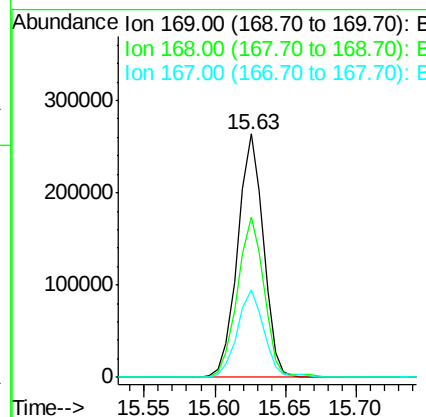
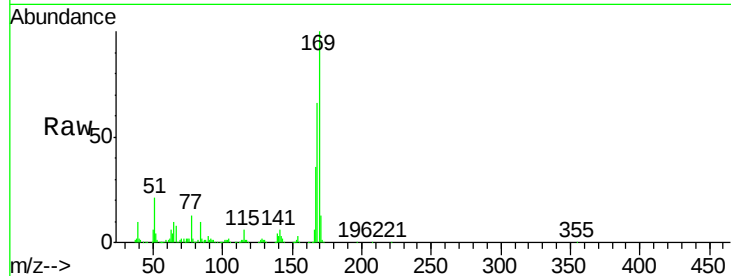




#65  
 n-Nitrosodiphenylamine  
 Concen: 40.62 ng  
 RT: 15.63 min Scan# 2202  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

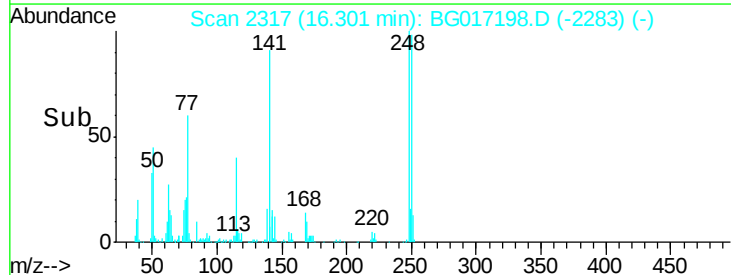
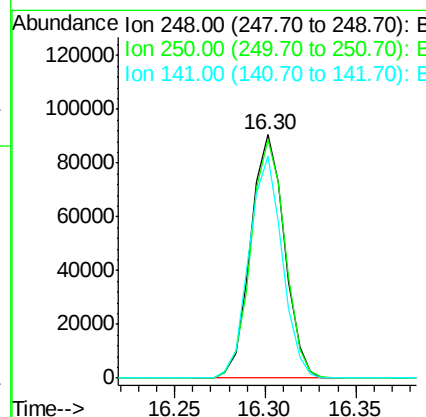
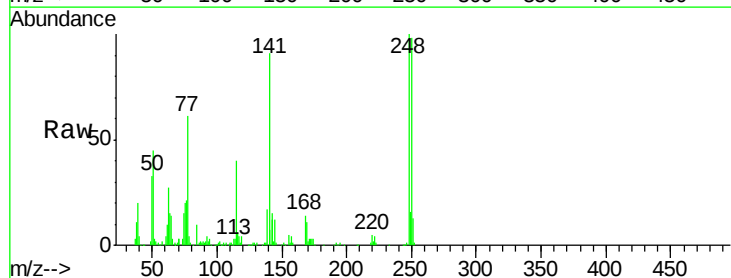
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

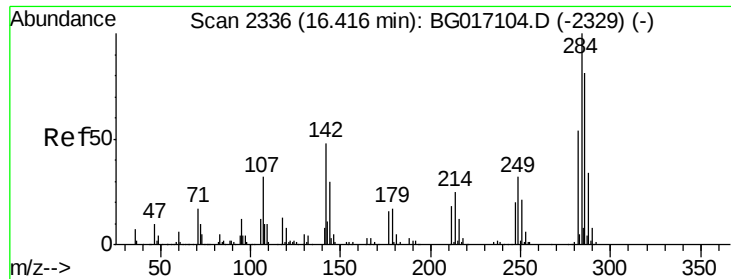
Tgt Ion:169 Resp: 335519  
 Ion Ratio Lower Upper  
 169 100  
 168 65.7 51.7 77.5  
 167 35.7 27.4 41.0



#66  
 4-Bromophenyl-phenylether  
 Concen: 40.16 ng  
 RT: 16.30 min Scan# 2317  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

Tgt Ion:248 Resp: 117840  
 Ion Ratio Lower Upper  
 248 100  
 250 97.8 75.0 112.4  
 141 91.3 71.3 106.9

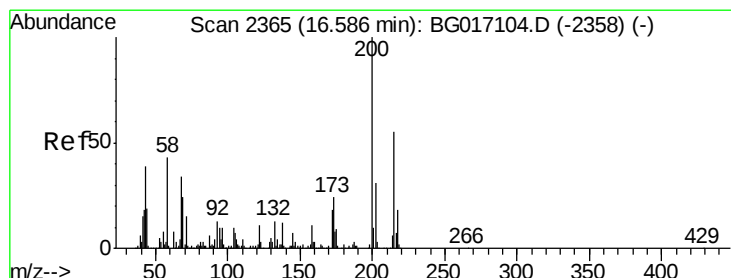
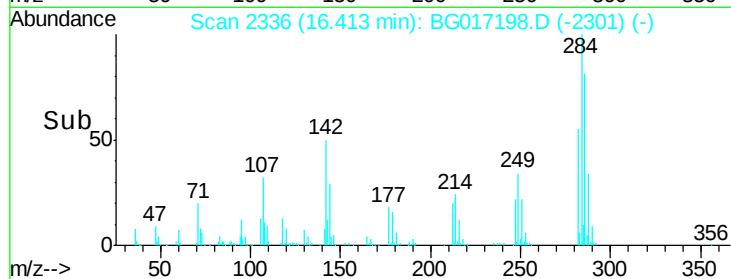
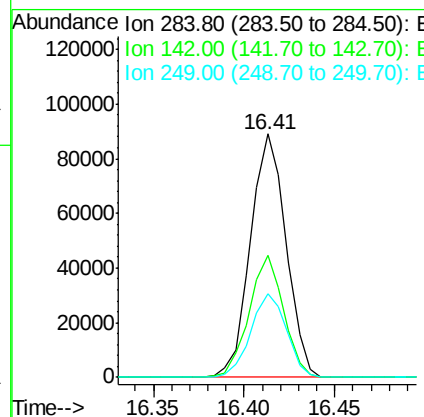
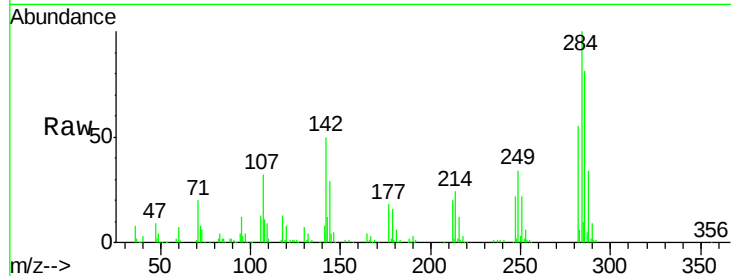




#67  
Hexachlorobenzene  
Concen: 39.20 ng  
RT: 16.41 min Scan# 2336  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

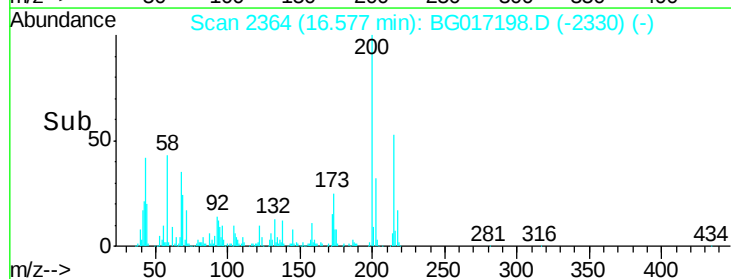
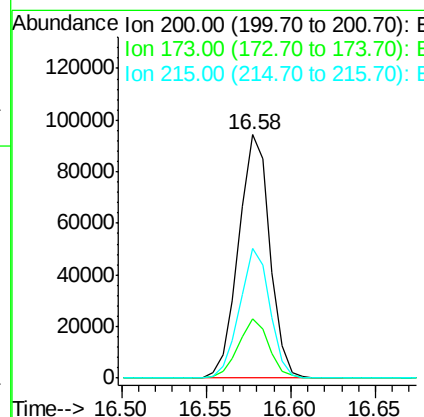
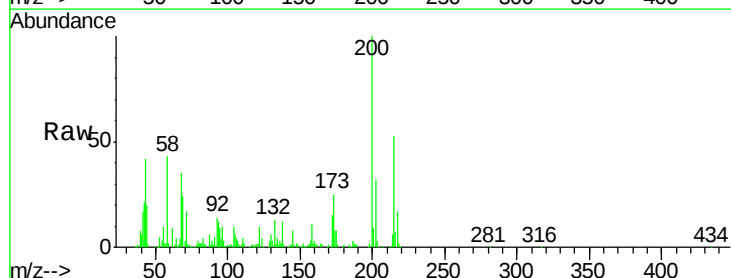
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

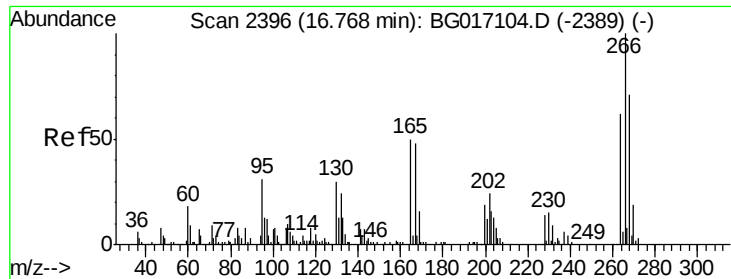
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 50.2  | 38.2  | 57.2  |
| 249     | 34.4  | 25.2  | 37.8  |



#68  
Atrazine  
Concen: 40.06 ng  
RT: 16.58 min Scan# 2364  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.5  | 3.7   | 43.7  |
| 215     | 53.5  | 35.5  | 75.5  |

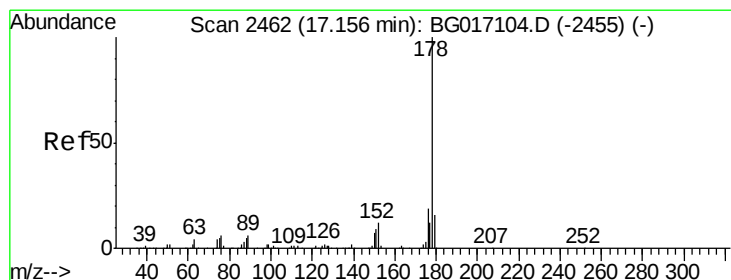
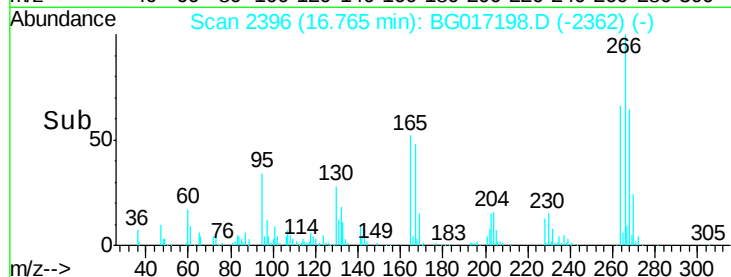
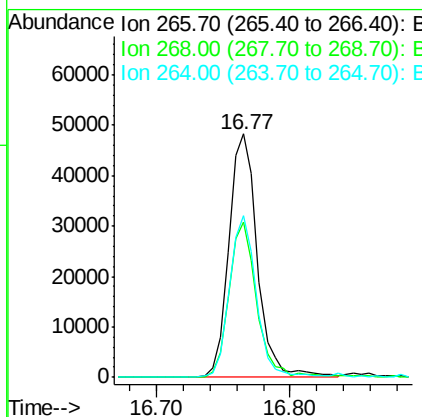
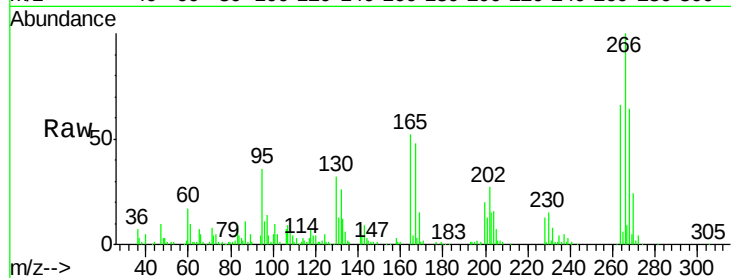




#69  
 Pentachlorophenol  
 Concen: 37.36 ng  
 RT: 16.77 min Scan# 2396  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

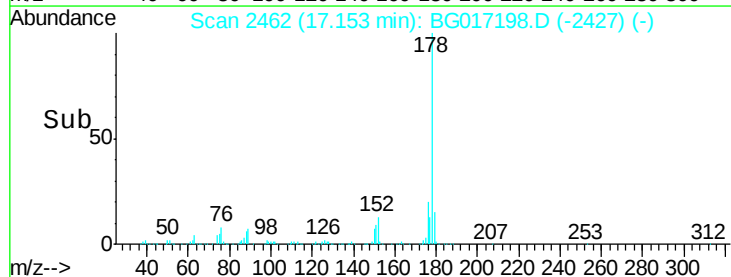
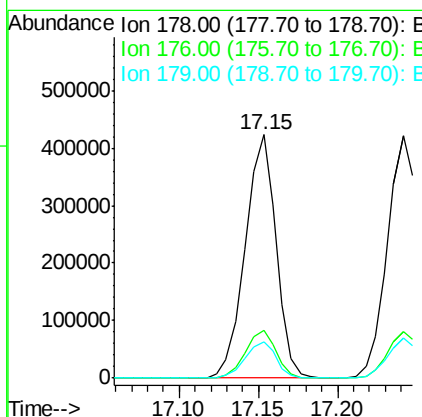
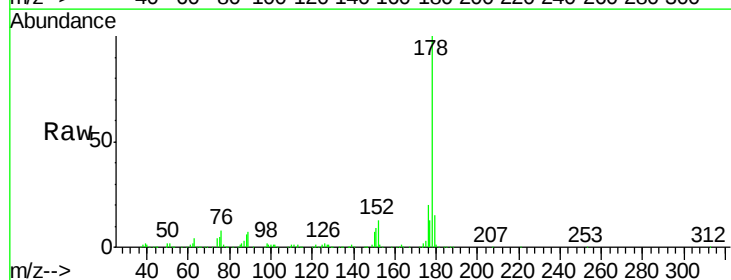
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

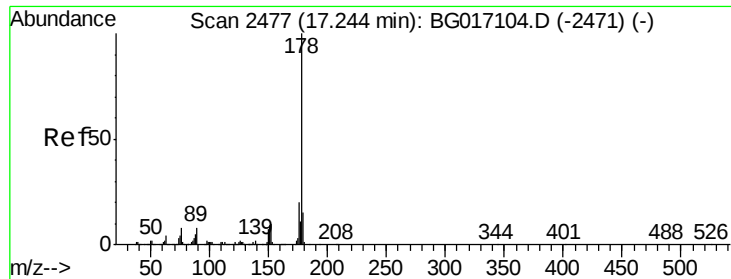
Tgt Ion:266 Resp: 72226  
 Ion Ratio Lower Upper  
 266 100  
 268 63.7 56.6 84.8  
 264 66.5 49.4 74.0



#70  
 Phenanthrene  
 Concen: 41.01 ng  
 RT: 17.15 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

Tgt Ion:178 Resp: 569054  
 Ion Ratio Lower Upper  
 178 100  
 176 19.8 15.4 23.2  
 179 15.0 12.5 18.7





#71

Anthracene

Concen: 40.94 ng

RT: 17.24 min Scan# 2477

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

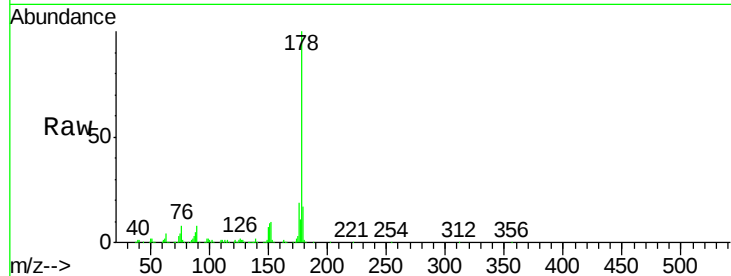
Tgt Ion:178 Resp: 575696

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

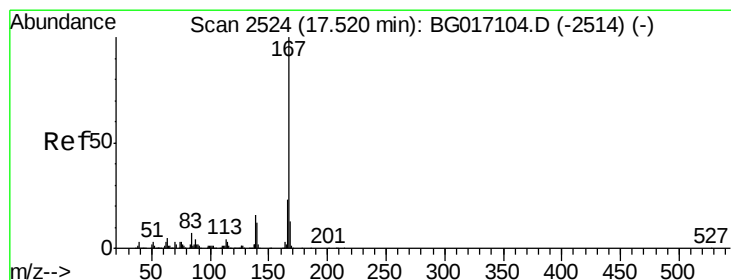
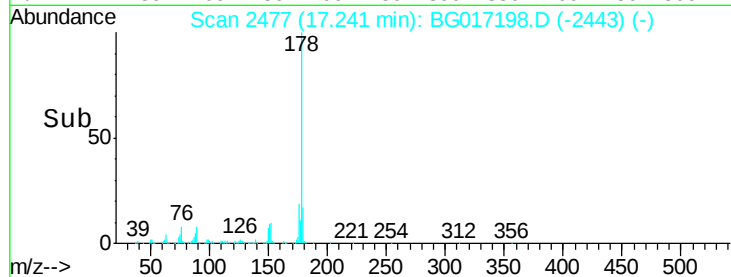
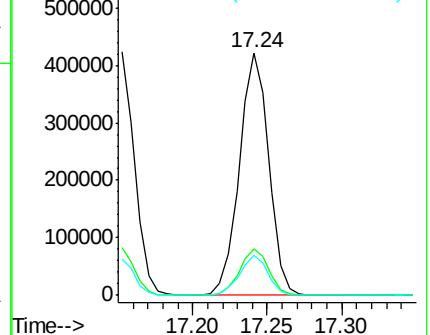
179 16.7 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 39.80 ng

RT: 17.52 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

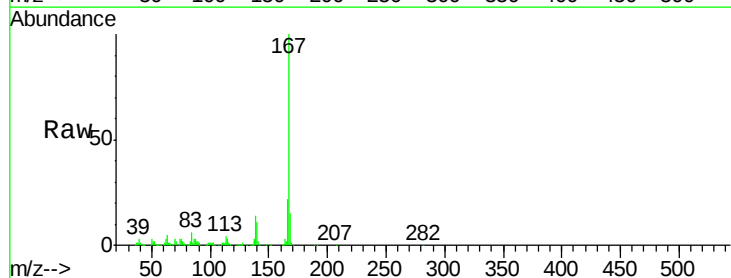
Tgt Ion:167 Resp: 514243

Ion Ratio Lower Upper

167 100

166 22.4 18.4 27.6

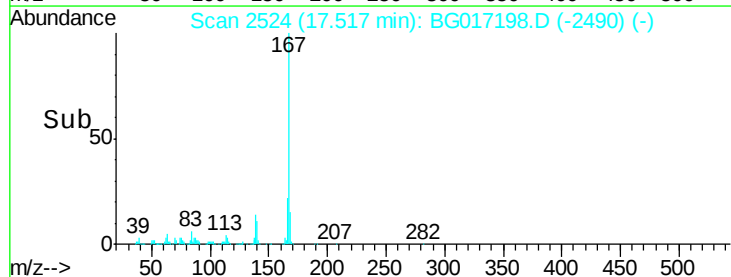
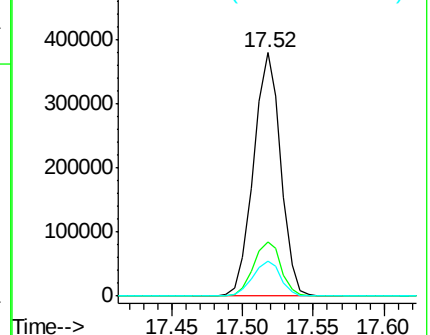
139 14.4 13.0 19.4

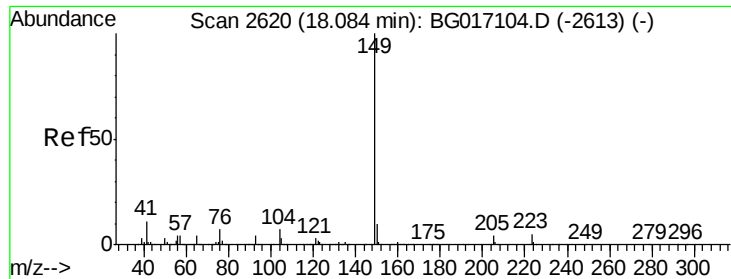


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

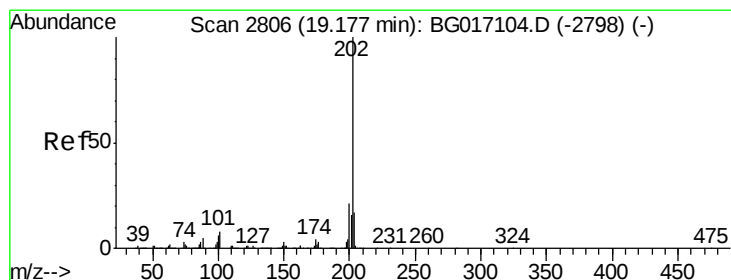
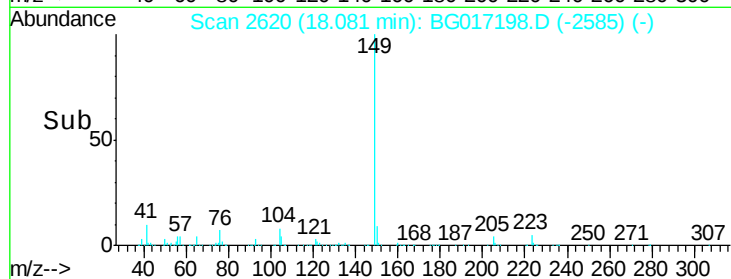
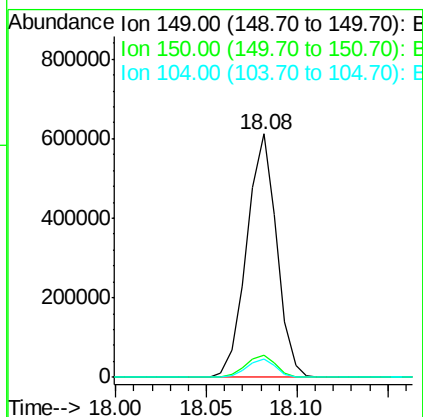
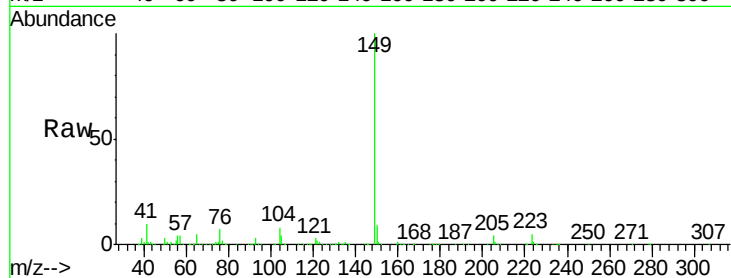




#73  
Di-n-butylphthalate  
Concen: 40.54 ng  
RT: 18.08 min Scan# 2620  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

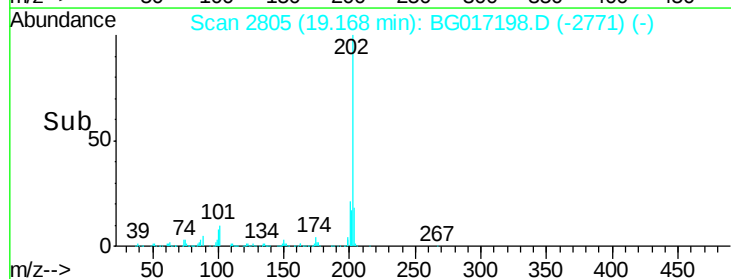
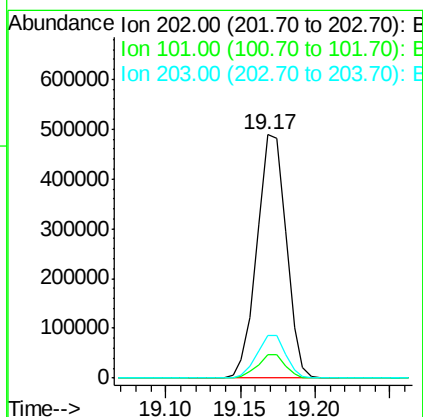
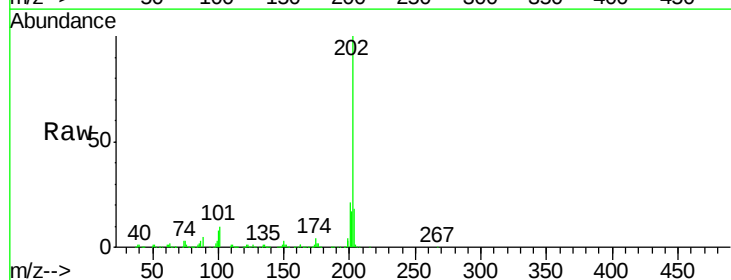
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

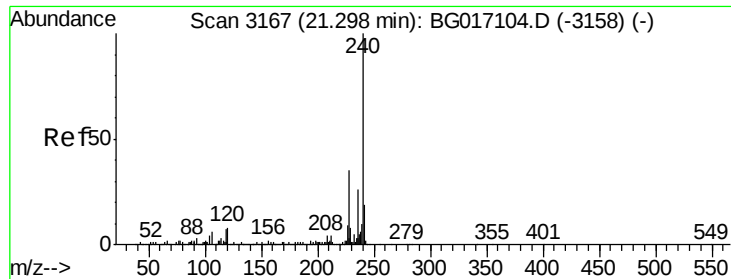
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.2   | 8.2   | 12.4  |
| 104     | 7.6   | 5.7   | 8.5   |



#74  
Fluoranthene  
Concen: 39.54 ng  
RT: 19.17 min Scan# 2805  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.8   | 0.0   | 28.3  |
| 203     | 17.8  | 0.0   | 37.4  |

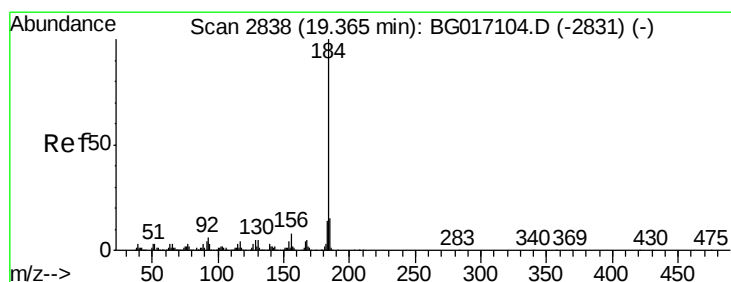
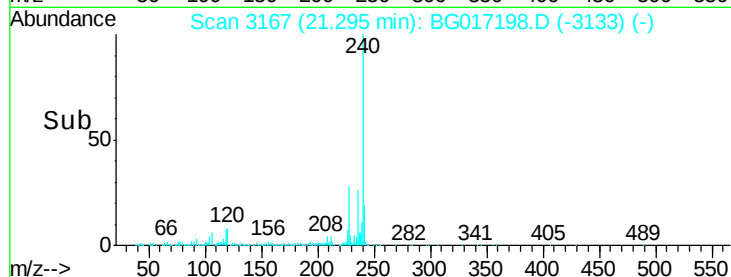
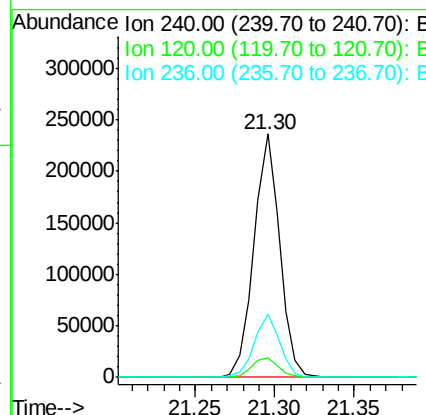
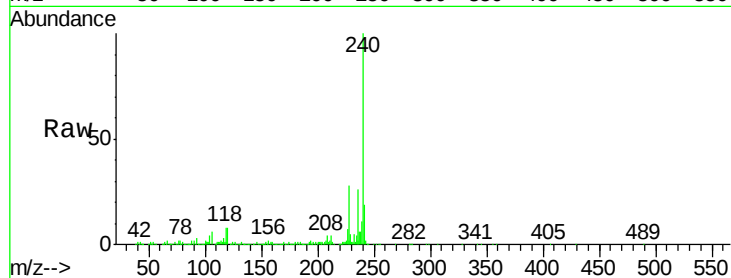




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.30 min Scan# 3167  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

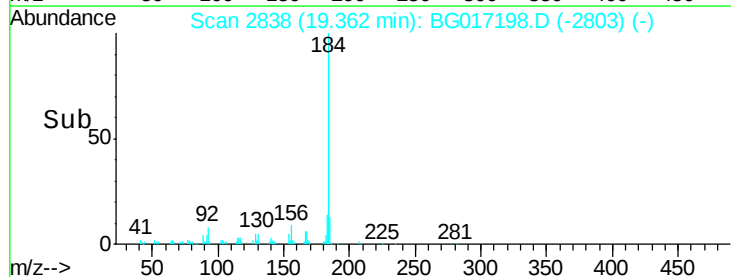
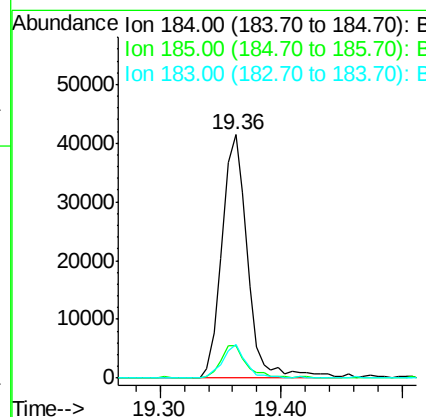
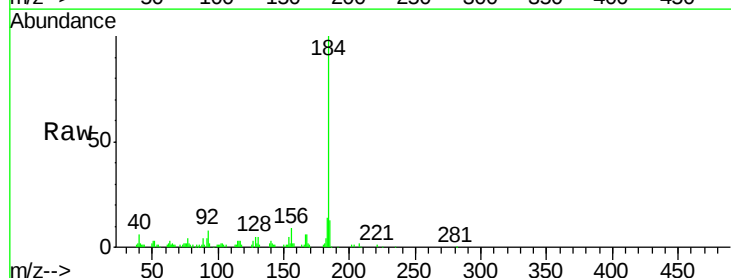
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

Tgt Ion:240 Resp: 266908  
Ion Ratio Lower Upper  
240 100  
120 8.3 6.0 9.0  
236 25.9 20.5 30.7



#76  
Benzidine  
Concen: 6.97 ng  
RT: 19.36 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion:184 Resp: 60717  
Ion Ratio Lower Upper  
184 100  
185 13.3 12.4 18.6  
183 13.8 11.4 17.2

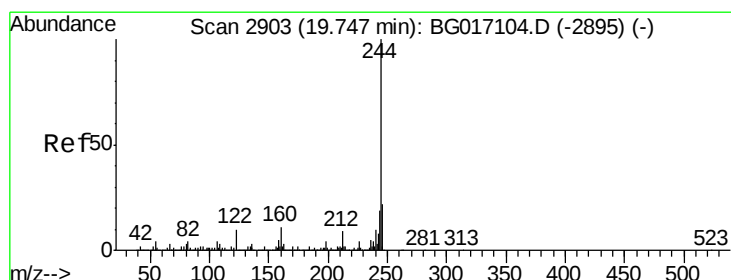
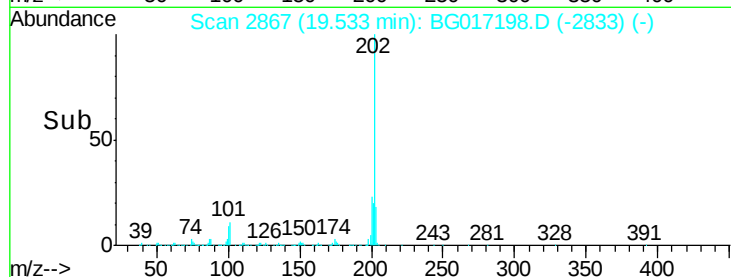
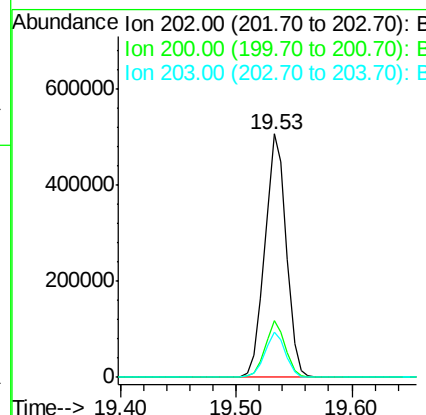
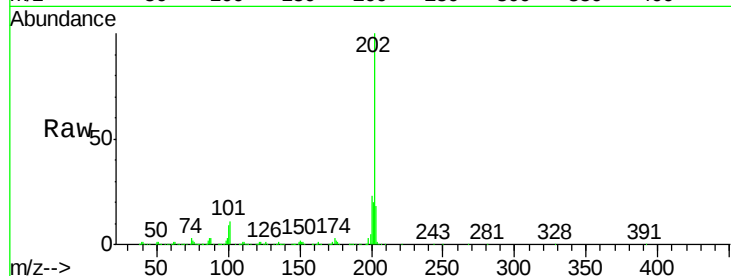




#77  
 Pyrene  
 Concen: 40.20 ng  
 RT: 19.53 min Scan# 2867  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

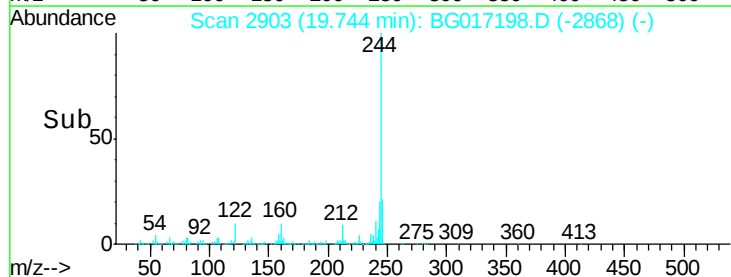
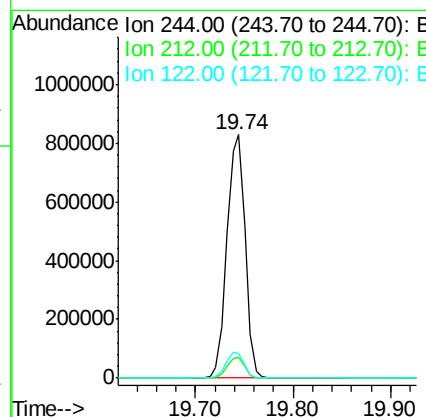
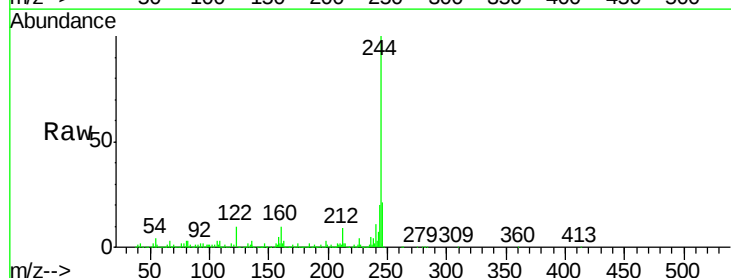
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

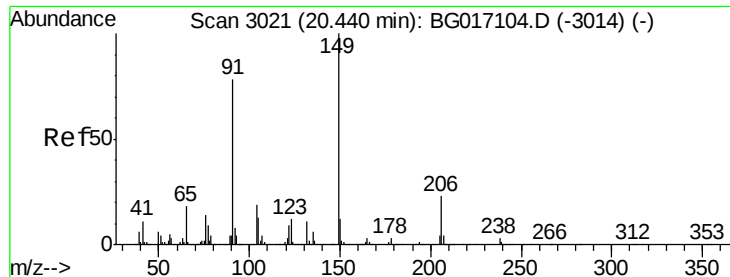
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 23.1  | 17.8  | 26.8  |
| 203     | 18.4  | 14.4  | 21.6  |



#78  
 Terphenyl-d14  
 Concen: 83.11 ng  
 RT: 19.74 min Scan# 2903  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.8   | 7.0   | 10.4  |
| 122     | 10.1  | 8.4   | 12.6  |

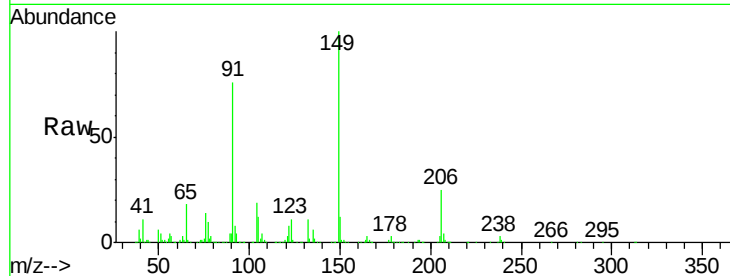




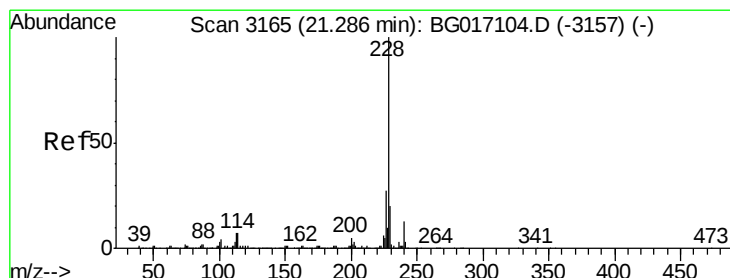
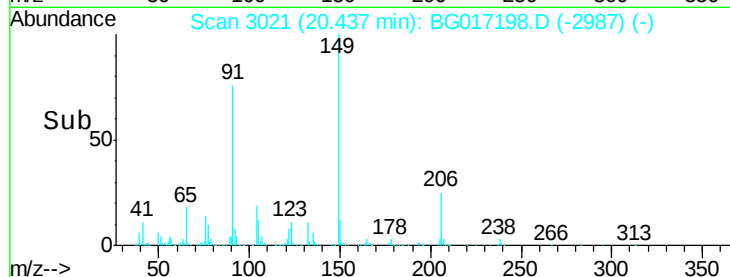
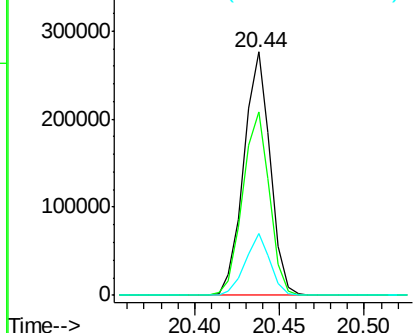
#79  
Butylbenzylphthalate  
Concen: 40.49 ng  
RT: 20.44 min Scan# 3021  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 75.5  | 62.0  | 93.0  |
| 206     | 25.2  | 18.6  | 27.8  |

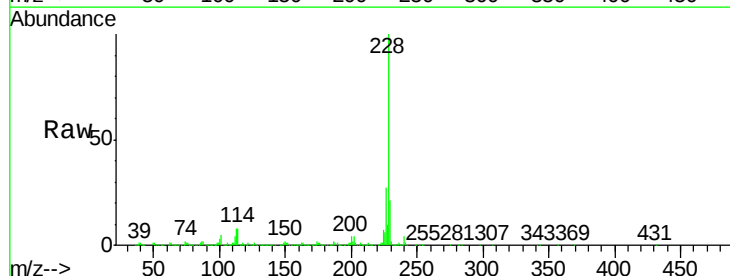


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BG  
Ion 206.00 (205.70 to 206.70): E

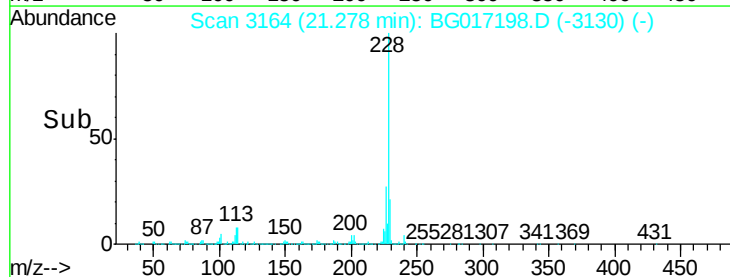
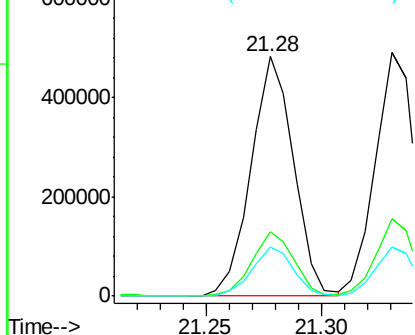


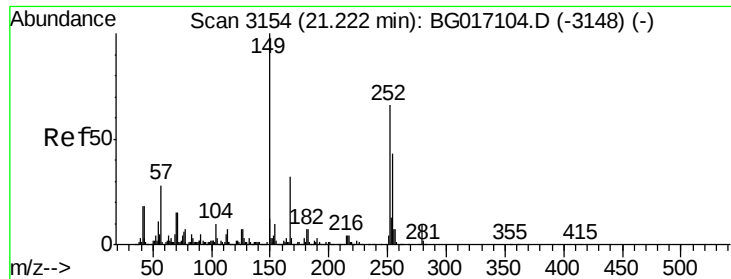
#80  
Benzo(a)anthracene  
Concen: 40.57 ng  
RT: 21.28 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 21.7  | 32.5  |
| 229     | 20.7  | 16.1  | 24.1  |



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E

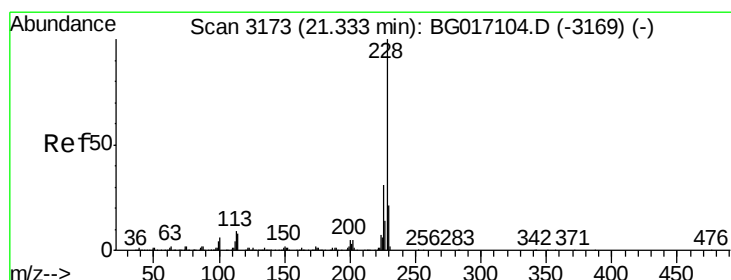
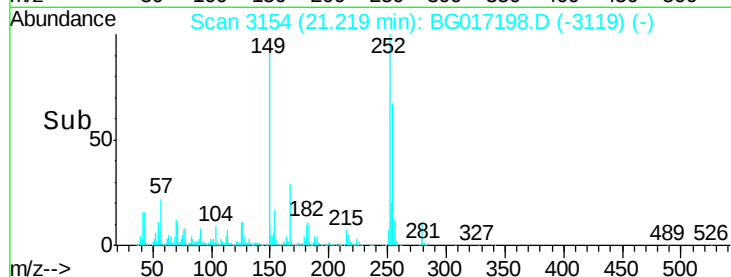
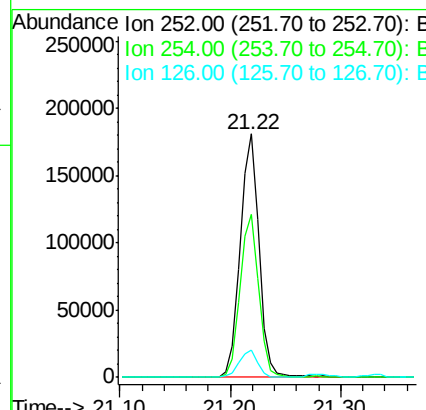
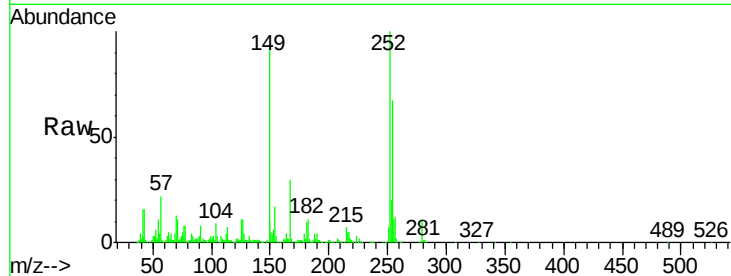




#81  
 3,3'-Dichlorobenzidine  
 Concen: 36.85 ng  
 RT: 21.22 min Scan# 3154  
 Delta R.T. 0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

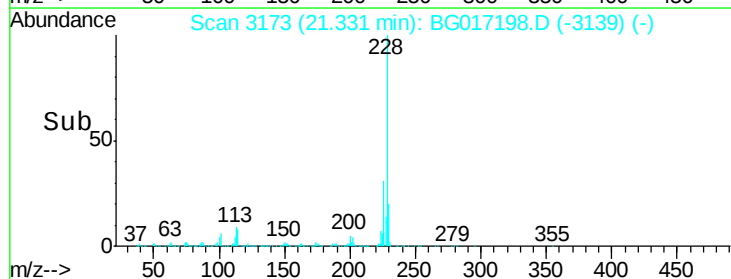
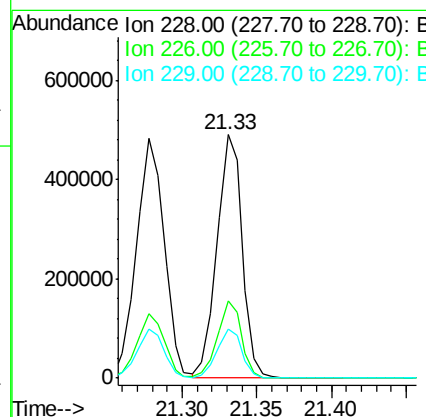
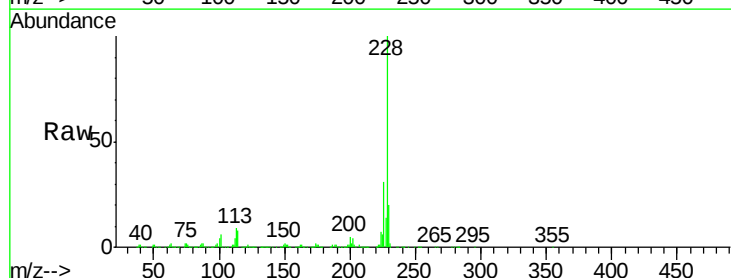
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

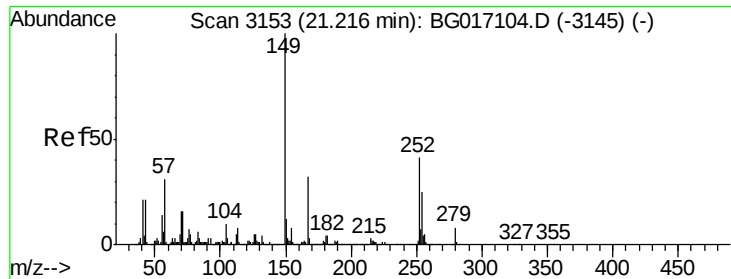
Tgt Ion:252 Resp: 218118  
 Ion Ratio Lower Upper  
 252 100  
 254 66.8 52.1 78.1  
 126 11.4 8.8 13.2



#82  
 Chrysene  
 Concen: 40.71 ng  
 RT: 21.33 min Scan# 3173  
 Delta R.T. -0.00 min  
 Lab File: BG017198.D  
 Acq: 16 May 2015 5:30

Tgt Ion:228 Resp: 580041  
 Ion Ratio Lower Upper  
 228 100  
 226 31.5 24.8 37.2  
 229 20.2 17.0 25.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.49 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

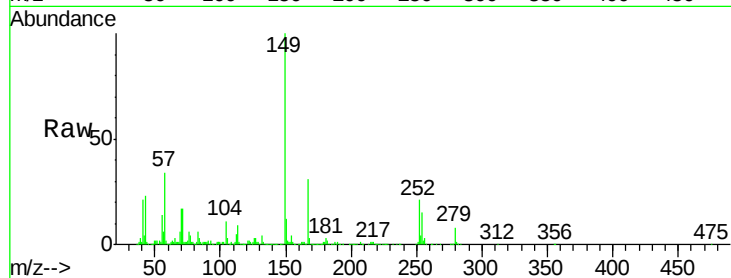
Tgt Ion:149 Resp: 428432

Ion Ratio Lower Upper

149 100

167 30.9 25.4 38.2

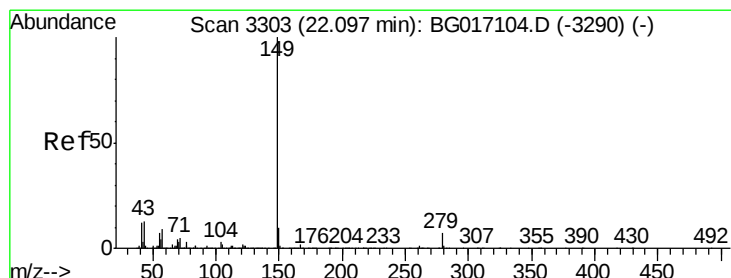
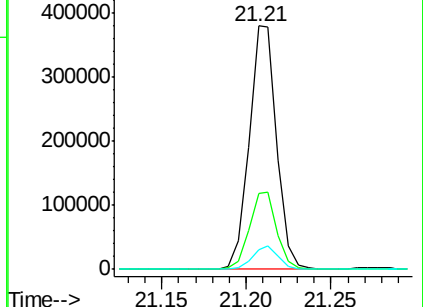
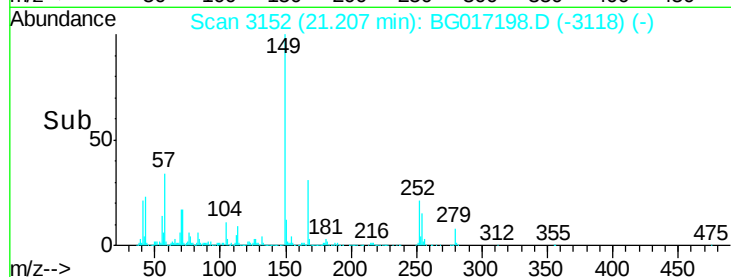
279 7.9 6.8 10.2



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: 40.61 ng

RT: 22.09 min Scan# 3303

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

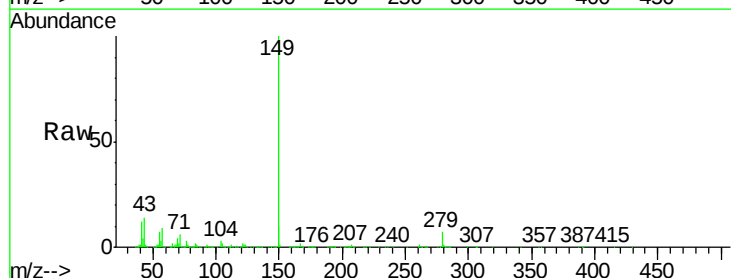
Tgt Ion:149 Resp: 715492

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

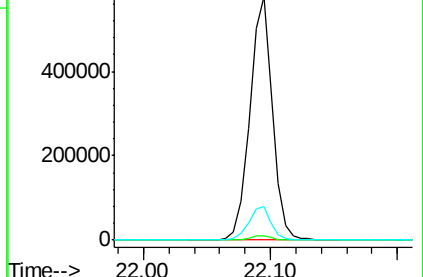
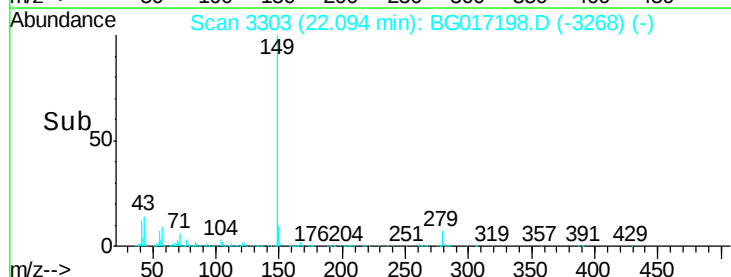
43 13.7 10.9 16.3

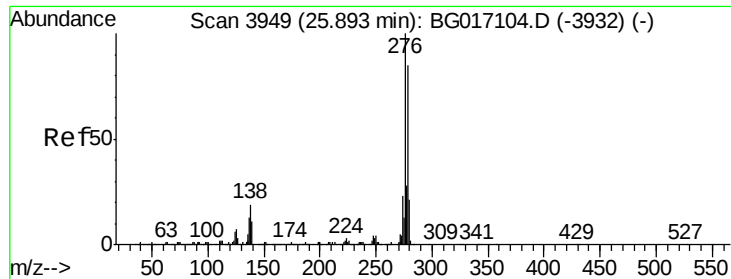


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGO





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.70 ng

RT: 25.88 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

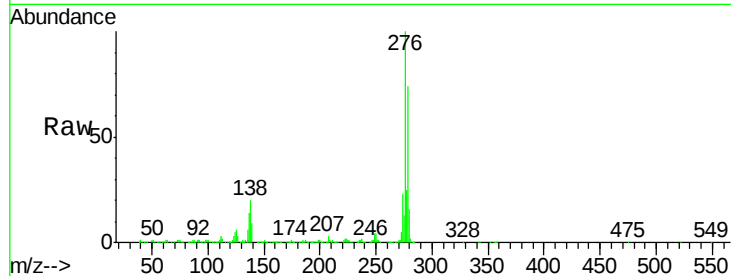
Tgt Ion:276 Resp: 710976

Ion Ratio Lower Upper

276 100

138 19.6 16.0 24.0

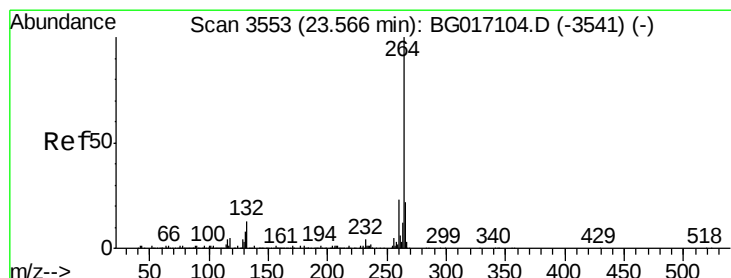
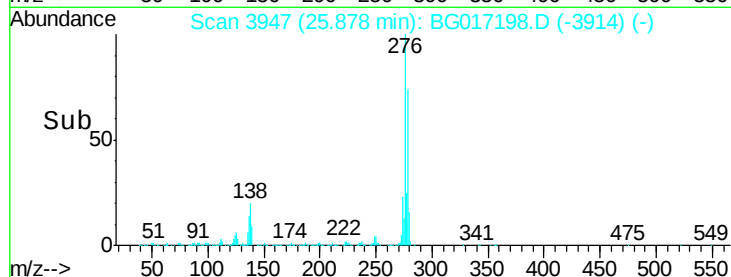
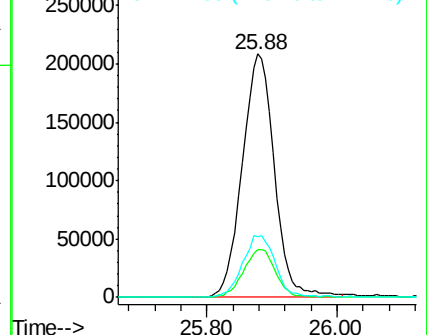
277 25.7 20.9 31.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.56 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

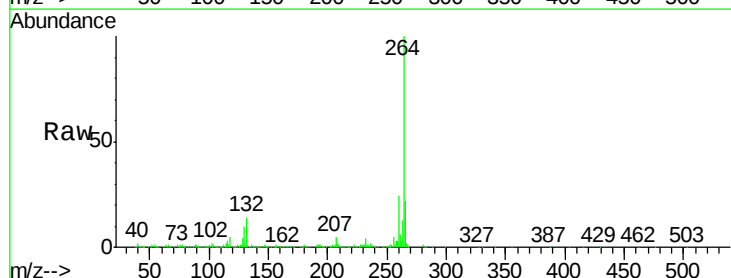
Tgt Ion:264 Resp: 262019

Ion Ratio Lower Upper

264 100

260 24.1 18.0 27.0

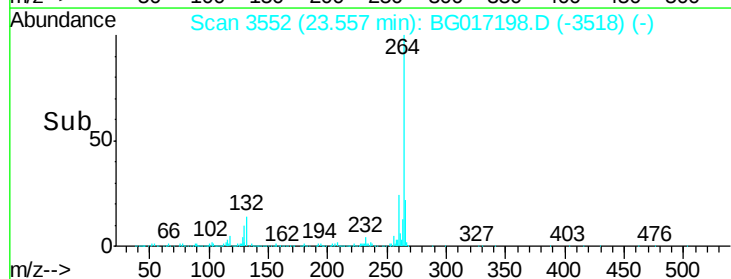
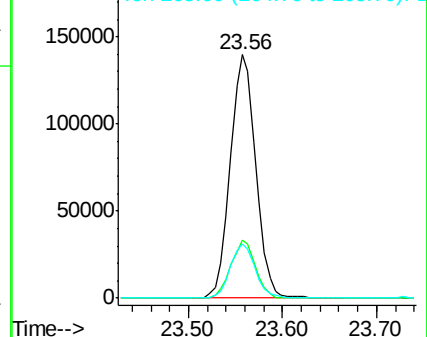
265 22.1 17.4 26.0

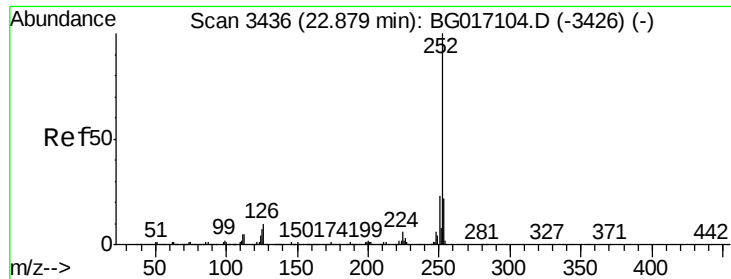


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

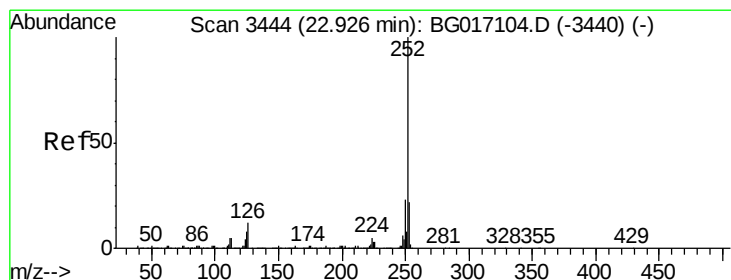
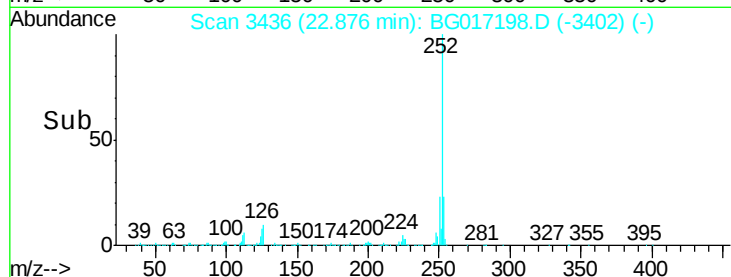
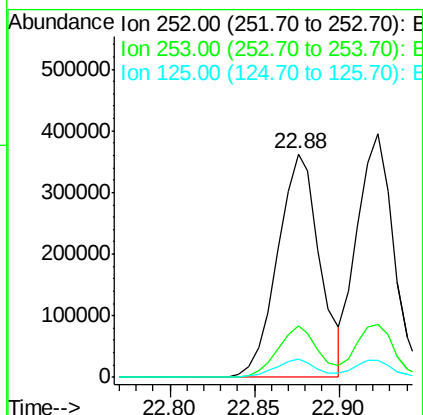
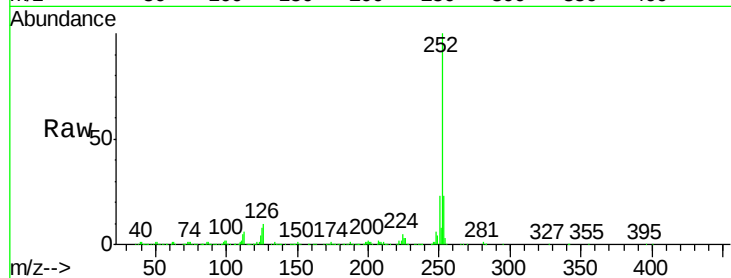




#87  
Benzo(b)fluoranthene  
Concen: 41.12 ng  
RT: 22.88 min Scan# 3436  
Delta R.T. -0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

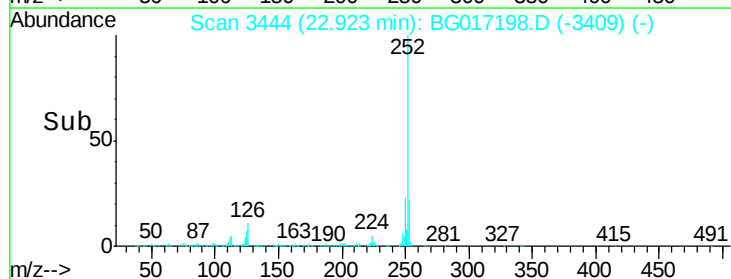
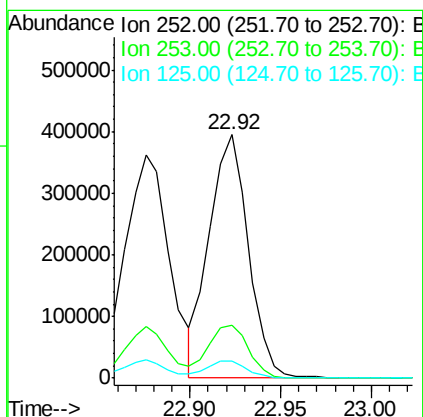
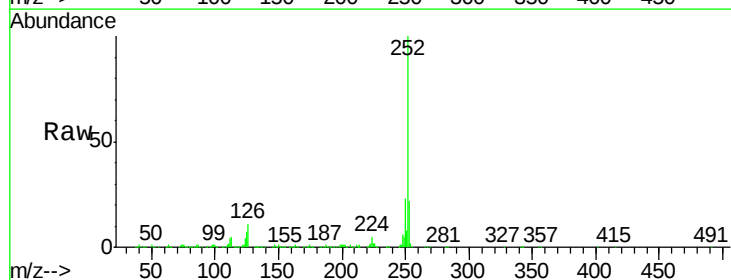
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

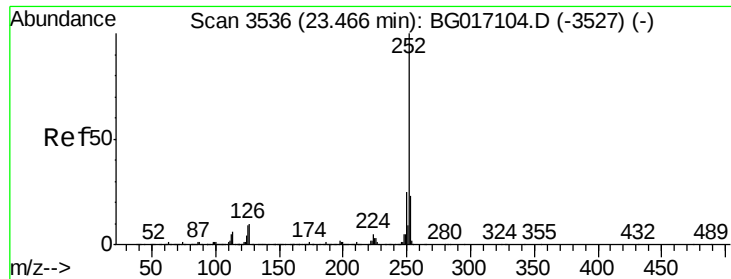
Tgt Ion:252 Resp: 628032  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.2  
125 8.2 5.9 8.9



#88  
Benzo(k)fluoranthene  
Concen: 40.77 ng  
RT: 22.92 min Scan# 3444  
Delta R.T. 0.00 min  
Lab File: BG017198.D  
Acq: 16 May 2015 5:30

Tgt Ion:252 Resp: 591271  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.8 26.6  
125 7.0 6.4 9.6





#89

Benzo(a)pyrene

Concen: 41.11 ng

RT: 23.46 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

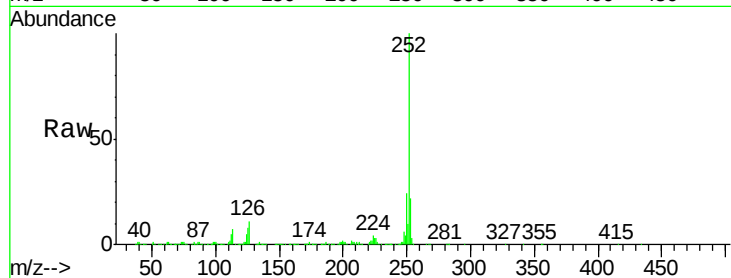
Tgt Ion:252 Resp: 576614

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

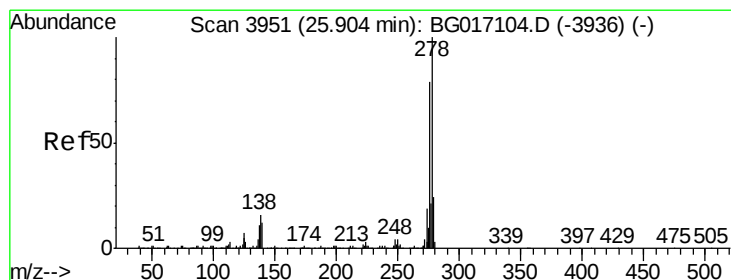
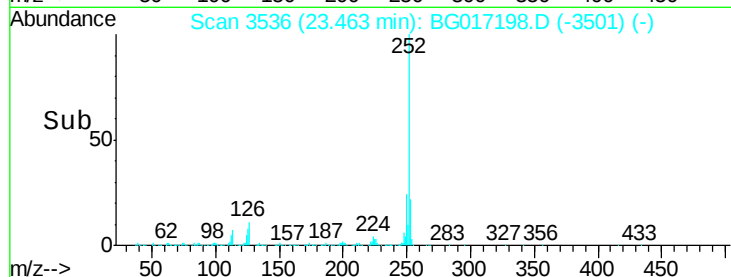
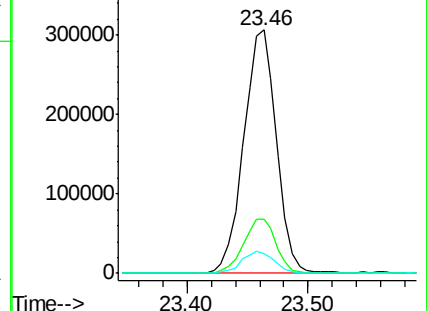
125 8.2 7.2 10.8



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



#90

Dibenzo(a,h)anthracene

Concen: 41.30 ng

RT: 25.90 min Scan# 3950

Delta R.T. 0.00 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

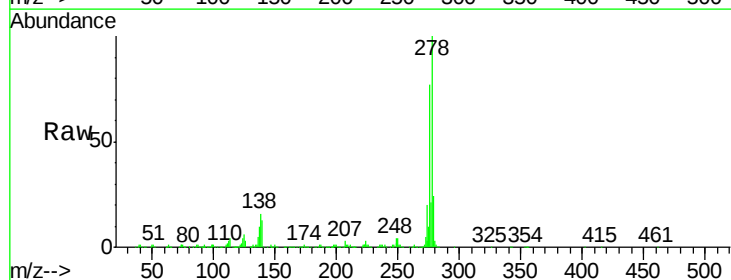
Tgt Ion:278 Resp: 594756

Ion Ratio Lower Upper

278 100

139 13.0 9.4 14.2

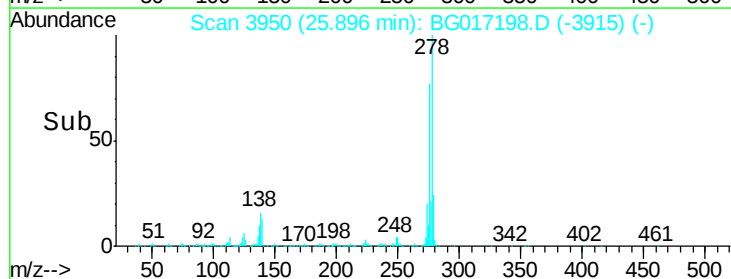
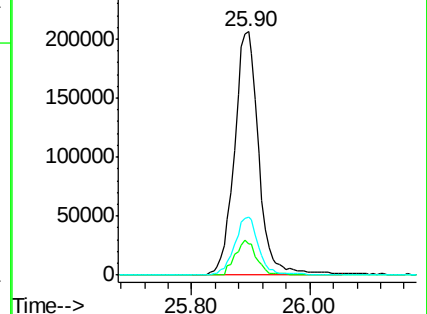
279 23.6 19.1 28.7

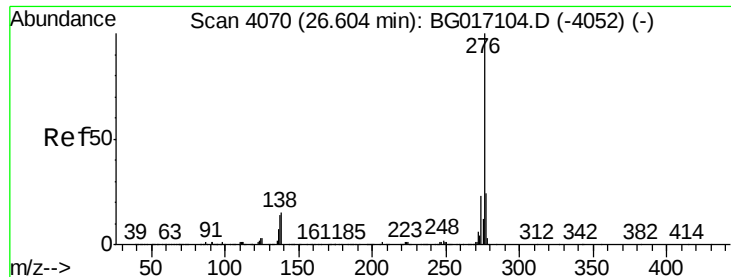


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 40.17 ng

RT: 26.59 min Scan# 4068

Delta R.T. -0.01 min

Lab File: BG017198.D

Acq: 16 May 2015 5:30

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

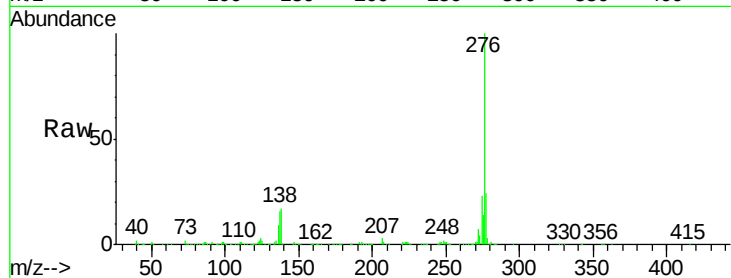
Tgt Ion: 276 Resp: 544465

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 17.3 11.8 17.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

