

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051315\  
 Data File : BG017104.D  
 Acq On : 13 May 2015 13:25  
 Operator : TP/IZ  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 13 16:05:25 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 15:48:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.71  | 152  | 40042    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.50 | 136  | 190993   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.37 | 164  | 127257   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.11 | 188  | 281684   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.30 | 240  | 280440   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.57 | 264  | 280583   | 20.00 | ng    | 0.00     |

|                             |       |     |         |       |    |      |
|-----------------------------|-------|-----|---------|-------|----|------|
| System Monitoring Compounds |       |     |         |       |    |      |
| 5) 2-Fluorophenol           | 5.31  | 112 | 188875  | 81.35 | ng | 0.00 |
| 7) Phenol-d6                | 6.91  | 99  | 266625  | 80.45 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 8.87  | 82  | 337925  | 84.54 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 15.86 | 330 | 126066  | 94.83 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 12.98 | 172 | 711976  | 83.27 | ng | 0.00 |
| 78) Terphenyl-d14           | 19.75 | 244 | 1103801 | 89.62 | ng | 0.00 |

|                                |       |     |        |       |        |
|--------------------------------|-------|-----|--------|-------|--------|
| Target Compounds               |       |     |        |       | Qvalue |
| 2) 1,4-Dioxane                 | 3.18  | 88  | 35179  | 36.69 | ng 100 |
| 3) Pyridine                    | 3.57  | 79  | 112080 | 37.87 | ng 100 |
| 4) n-Nitrosodimethylamine      | 3.50  | 42  | 85268  | 45.89 | ng 100 |
| 6) Aniline                     | 7.04  | 93  | 184840 | 39.79 | ng 100 |
| 8) 2-Chlorophenol              | 7.28  | 128 | 112770 | 41.65 | ng 100 |
| 9) Benzaldehyde                | 6.85  | 77  | 85127  | 37.47 | ng 100 |
| 10) Phenol                     | 6.93  | 94  | 139198 | 39.29 | ng 100 |
| 11) bis(2-Chloroethyl)ether    | 7.14  | 93  | 107335 | 39.26 | ng 100 |
| 12) 1,3-Dichlorobenzene        | 7.60  | 146 | 121339 | 40.73 | ng 100 |
| 13) 1,4-Dichlorobenzene        | 7.74  | 146 | 124431 | 41.29 | ng 100 |
| 14) 1,2-Dichlorobenzene        | 8.06  | 146 | 119897 | 41.41 | ng 100 |
| 15) Benzyl Alcohol             | 7.95  | 79  | 128315 | 42.06 | ng 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25  | 45  | 166569 | 33.55 | ng 100 |
| 17) 2-Methylphenol             | 8.18  | 107 | 98686  | 39.55 | ng 100 |
| 18) Hexachloroethane           | 8.79  | 117 | 52134  | 41.93 | ng 100 |
| 19) n-Nitroso-di-n-propylamine | 8.52  | 70  | 115132 | 39.62 | ng 100 |
| 20) 3+4-Methylphenols          | 8.51  | 107 | 142584 | 41.19 | ng 100 |
| 22) Acetophenone               | 8.54  | 105 | 187201 | 40.62 | ng 100 |
| 24) Nitrobenzene               | 8.91  | 77  | 160597 | 40.19 | ng 100 |
| 25) Isophorone                 | 9.44  | 82  | 312077 | 39.17 | ng 100 |
| 26) 2-Nitrophenol              | 9.62  | 139 | 73169  | 44.25 | ng 100 |
| 27) 2,4-Dimethylphenol         | 9.70  | 122 | 116995 | 39.90 | ng 100 |
| 28) bis(2-Chloroethoxy)methane | 9.92  | 93  | 149562 | 37.34 | ng 100 |
| 29) 2,4-Dichlorophenol         | 10.17 | 162 | 115037 | 41.20 | ng 100 |
| 30) 1,2,4-Trichlorobenzene     | 10.37 | 180 | 128795 | 43.14 | ng 100 |
| 31) Naphthalene                | 10.56 | 128 | 382716 | 39.79 | ng 100 |
| 32) Benzoic acid               | 9.85  | 122 | 82274  | 45.96 | ng 100 |
| 33) 4-Chloroaniline            | 10.68 | 127 | 184979 | 41.50 | ng 100 |
| 34) Hexachlorobutadiene        | 10.85 | 225 | 81896  | 43.60 | ng 100 |
| 35) Caprolactam                | 11.44 | 113 | 54606  | 38.07 | ng 100 |
| 36) 4-Chloro-3-methylphenol    | 11.83 | 107 | 144980 | 40.62 | ng 100 |
| 37) 2-Methylnaphthalene        | 12.17 | 142 | 292743 | 39.90 | ng 100 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.54 | 216 | 148604 | 42.45 | ng 100 |
| 40) Hexachlorocyclopentadiene  | 12.53 | 237 | 90523  | 40.35 | ng 100 |

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 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

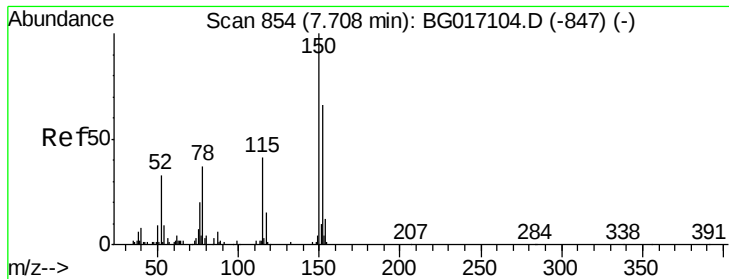
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 13 16:05:25 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 15:48:45 2015  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.80 | 196  | 108006   | 43.65 | nq    | 100      |
| 43) 2,4,5-Trichlorophenol      | 12.88 | 196  | 108539   | 41.51 | nq    | 100      |
| 45) 1,1'-Biphenyl              | 13.20 | 154  | 377037   | 40.93 | nq    | 100      |
| 46) 2-Chloronaphthalene        | 13.24 | 162  | 297333   | 40.78 | nq    | 100      |
| 47) 2-Nitroaniline             | 13.45 | 65   | 114775   | 44.64 | nq    | 100      |
| 48) Acenaphthylene             | 14.09 | 152  | 516510   | 40.70 | nq    | 100      |
| 49) Dimethylphthalate          | 13.83 | 163  | 407260   | 42.14 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 13.95 | 165  | 93043    | 45.95 | nq    | 100      |
| 51) Acenaphthene               | 14.43 | 154  | 299189   | 39.73 | nq    | 100      |
| 52) 3-Nitroaniline             | 14.28 | 138  | 101120   | 44.29 | nq    | 100      |
| 53) 2,4-Dinitrophenol          | 14.48 | 184  | 55668    | 55.80 | nq    | 100      |
| 54) Dibenzofuran               | 14.76 | 168  | 445542   | 41.47 | nq    | 100      |
| 55) 4-Nitrophenol              | 14.63 | 139  | 79770    | 41.36 | nq    | 100      |
| 56) 2,4-Dinitrotoluene         | 14.74 | 165  | 126844   | 48.38 | nq    | 100      |
| 57) Fluorene                   | 15.42 | 166  | 401776   | 42.07 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 101352   | 44.50 | nq    | 100      |
| 59) Diethylphthalate           | 15.20 | 149  | 430410   | 42.18 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.41 | 204  | 206221   | 42.71 | nq    | 100      |
| 61) 4-Nitroaniline             | 15.45 | 138  | 113809   | 42.99 | nq    | 100      |
| 62) Azobenzene                 | 15.70 | 77   | 418253   | 39.94 | nq    | 100      |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 81871    | 53.84 | nq    | 100      |
| 65) n-Nitrosodiphenylamine     | 15.63 | 169  | 354811   | 40.70 | nq    | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 125100   | 43.18 | nq    | 100      |
| 67) Hexachlorobenzene          | 16.42 | 284  | 132465   | 43.27 | nq    | 100      |
| 68) Atrazine                   | 16.59 | 200  | 132722   | 42.19 | nq    | 100      |
| 69) Pentachlorophenol          | 16.77 | 266  | 84936    | 42.97 | nq    | 100      |
| 70) Phenanthrene               | 17.16 | 178  | 603463   | 41.04 | nq    | 100      |
| 71) Anthracene                 | 17.24 | 178  | 603607   | 40.73 | nq    | 100      |
| 72) Carbazole                  | 17.52 | 167  | 555725   | 39.72 | nq    | 100      |
| 73) Di-n-butylphthalate        | 18.08 | 149  | 739206   | 40.58 | nq    | 100      |
| 74) Fluoranthene               | 19.18 | 202  | 715156   | 41.91 | nq    | 100      |
| 76) Benzidine                  | 19.37 | 184  | 384444   | 40.20 | nq    | 100      |
| 77) Pyrene                     | 19.54 | 202  | 708653   | 41.97 | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.44 | 149  | 321889   | 40.45 | nq    | 100      |
| 80) Benzo(a)anthracene         | 21.29 | 228  | 664685   | 43.17 | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 254655   | 42.52 | nq    | 100      |
| 82) Chrysene                   | 21.33 | 228  | 614616   | 42.73 | nq    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 465935   | 42.53 | nq    | 100      |
| 84) Di-n-octyl phthalate       | 22.10 | 149  | 759922   | 41.48 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 22.89 | 276  | 742595   | 43.02 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 22.88 | 252  | 653220   | 41.17 | nq    | 100      |
| 88) Benzo(k)fluoranthene       | 22.93 | 252  | 639762   | 41.77 | nq    | 100      |
| 89) Benzo(a)pyrene             | 23.47 | 252  | 606892   | 41.03 | nq    | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 619694   | 40.91 | nq    | 100      |
| 91) Benzo(g,h,i)perylene       | 26.60 | 276  | 586888   | 40.63 | nq    | 100      |

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



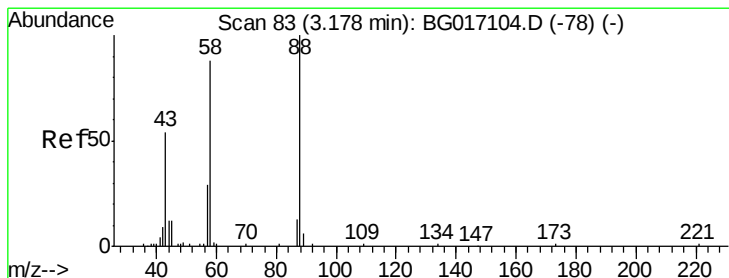
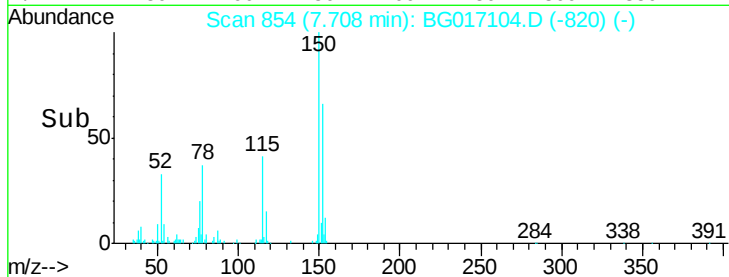
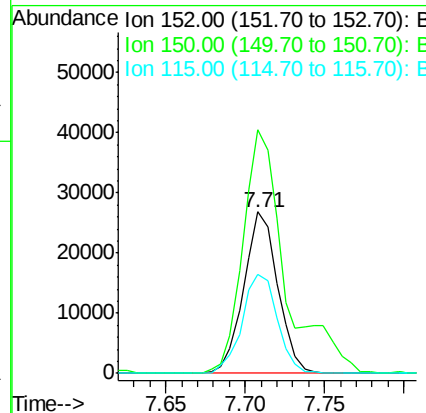
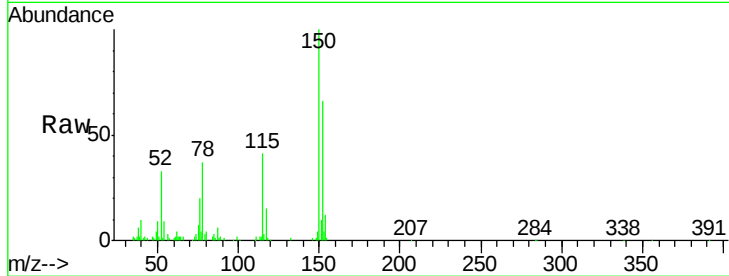


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.71 min Scan# 854  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampleId :

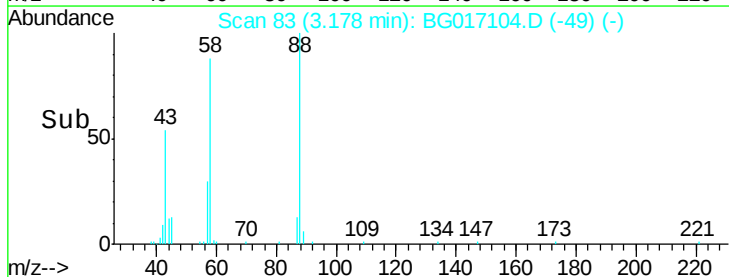
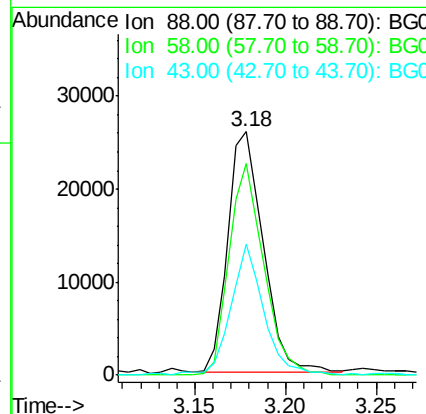
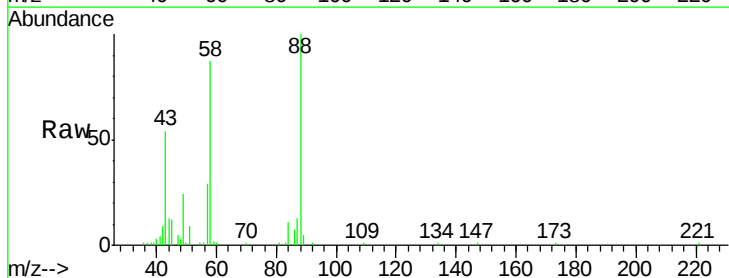
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Ion Ratio Lower Upper  
152 100  
150 151.0 120.8 181.2  
115 61.8 49.4 74.2

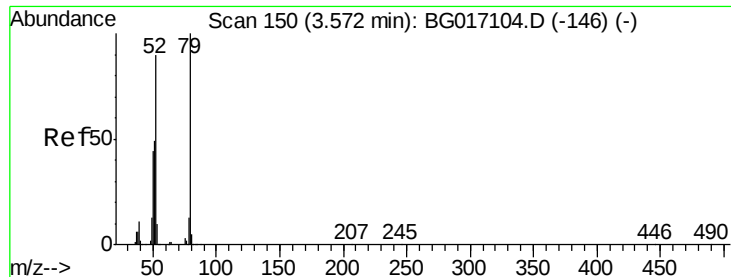


#2

1,4-Dioxane  
Concen: 36.69 ng  
RT: 3.18 min Scan# 83  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion: 88 Resp: 35179  
Ion Ratio Lower Upper  
88 100  
58 85.8 68.6 103.0  
43 50.4 40.3 60.5





#3

Pvridine

Concen: 37.87 ng

RT: 3.57 min Scan# 150

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

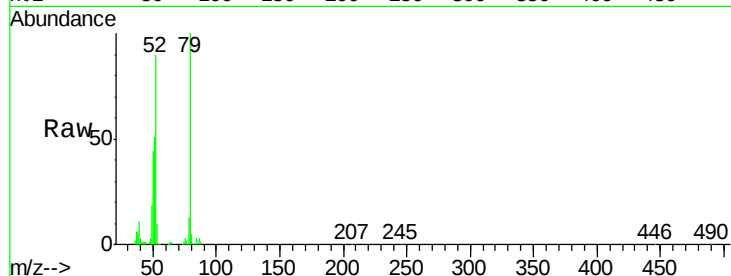
Tot Ion: 79 Resp: 112080

Ion Ratio Lower Upper

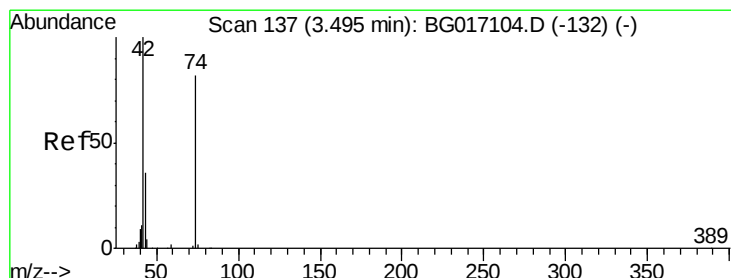
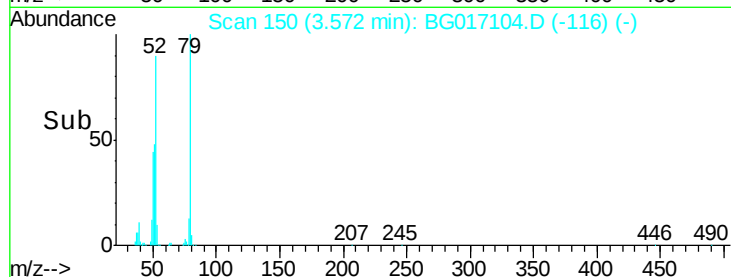
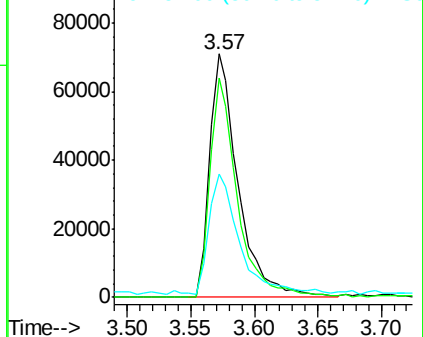
79 100

52 90.2 72.2 108.2

51 50.7 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: 45.89 ng

RT: 3.50 min Scan# 137

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

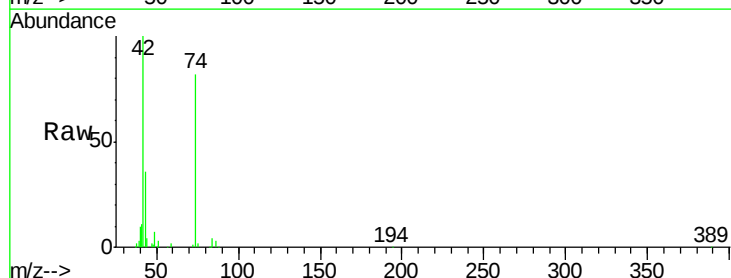
Tgt Ion: 42 Resp: 85268

Ion Ratio Lower Upper

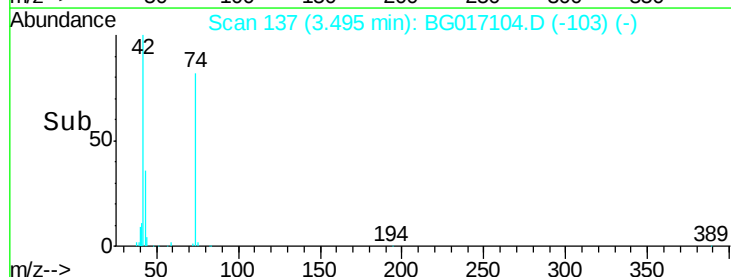
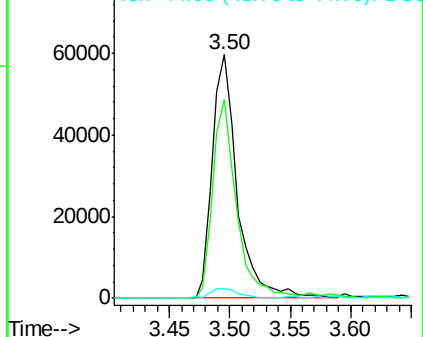
42 100

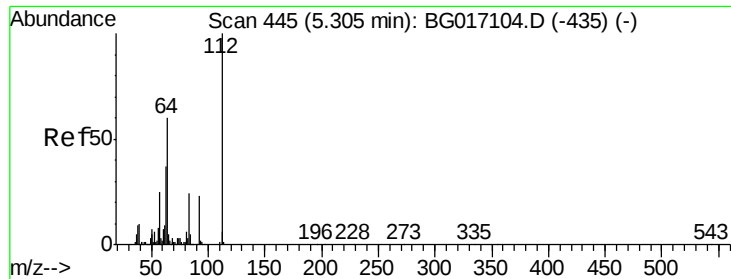
74 81.5 65.2 97.8

44 4.0 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: 81.35 ng

RT: 5.31 min Scan# 445

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

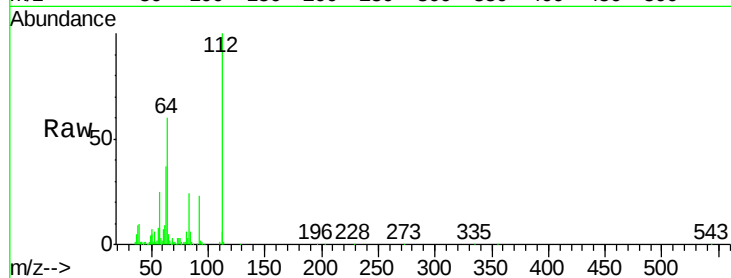
Tot Ion:112 Resp: 188875

Ion Ratio Lower Upper

112 100

64 60.1 48.1 72.1

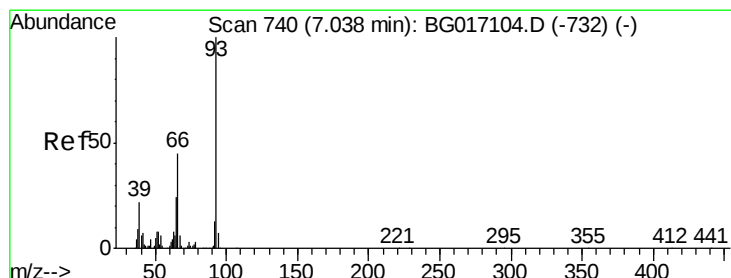
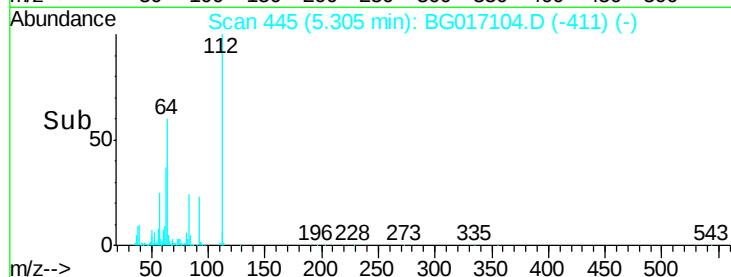
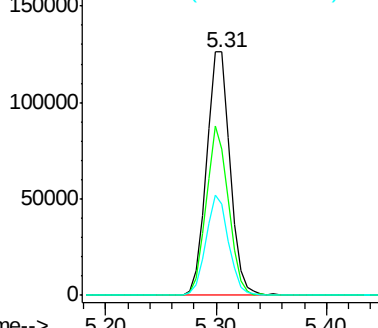
63 37.3 29.8 44.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 39.79 ng

RT: 7.04 min Scan# 740

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

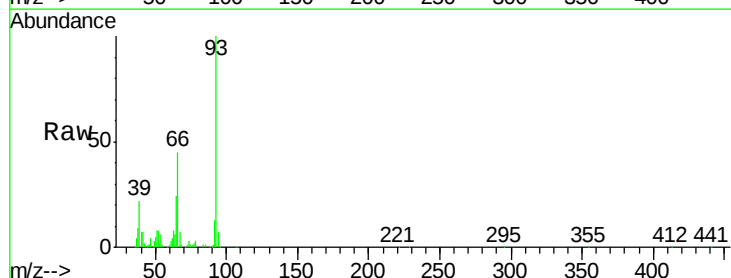
Tgt Ion: 93 Resp: 184840

Ion Ratio Lower Upper

93 100

66 44.8 35.8 53.8

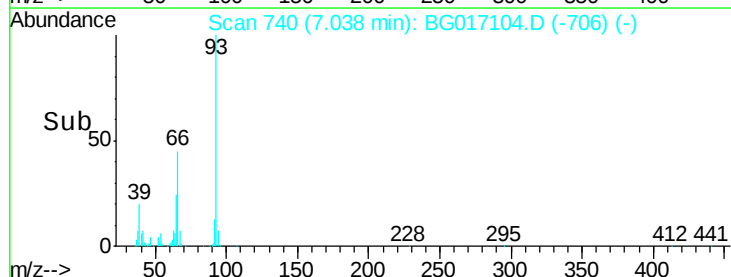
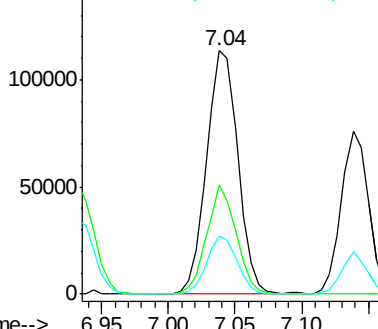
65 24.0 19.2 28.8

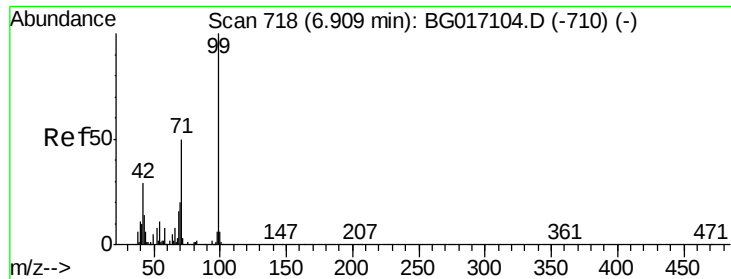


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 80.45 ng

RT: 6.91 min Scan# 718

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampled :

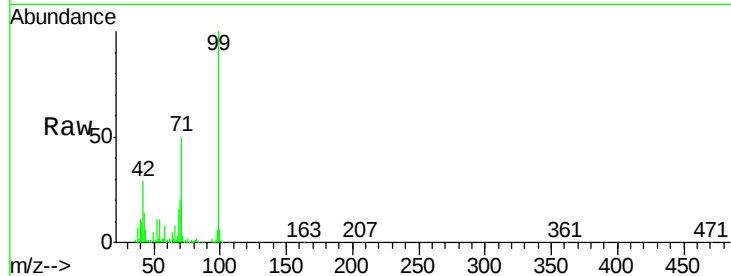
Tot Ion: 99 Resp: 266625

Ion Ratio Lower Upper

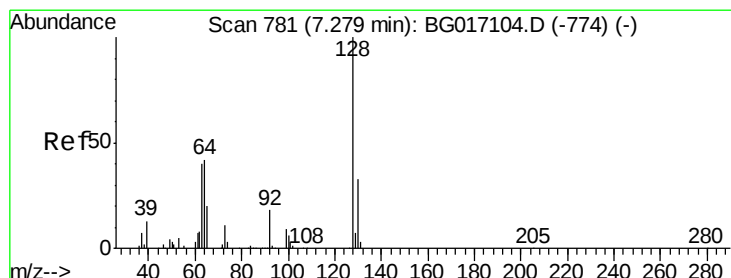
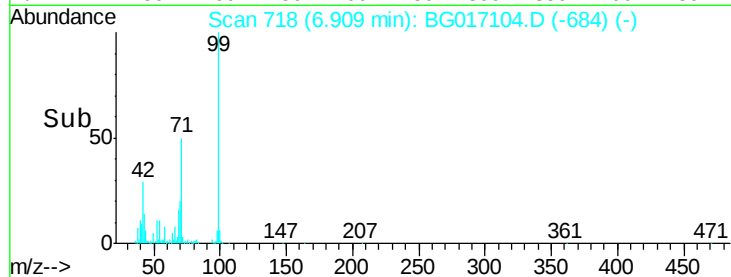
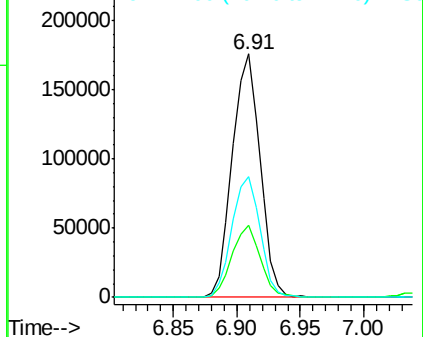
99 100

42 29.4 23.5 35.3

71 49.8 39.8 59.8



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



#8

2-Chlorophenol

Concen: 41.65 ng

RT: 7.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

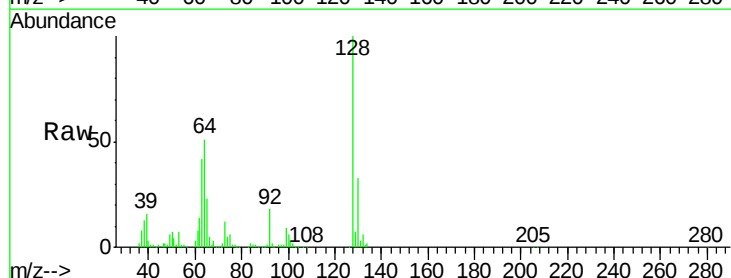
Tgt Ion: 128 Resp: 112770

Ion Ratio Lower Upper

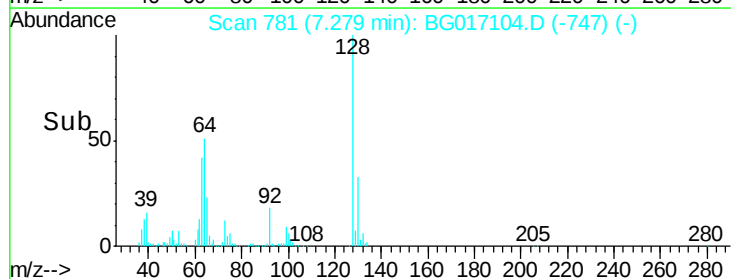
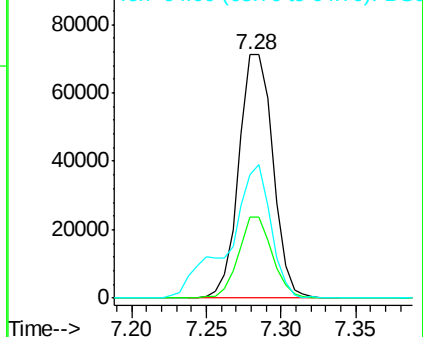
128 100

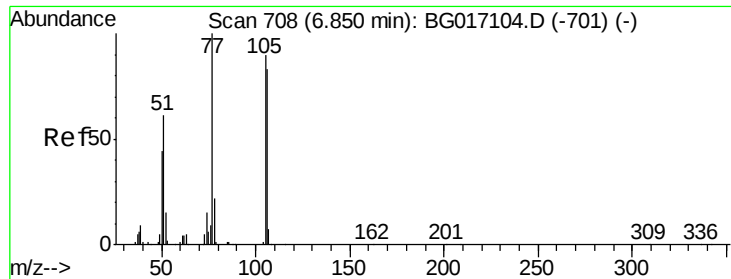
130 33.3 13.3 53.3

64 50.9 30.9 70.9



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





#9

Benzaldehyde

Concen: 37.47 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

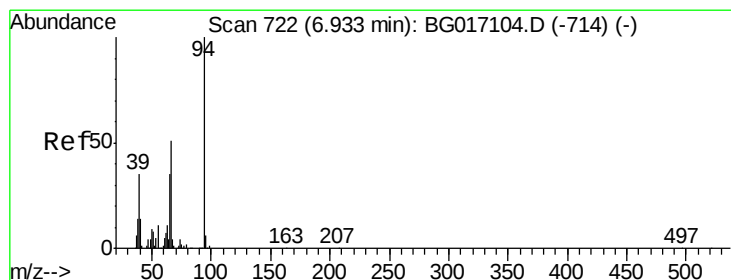
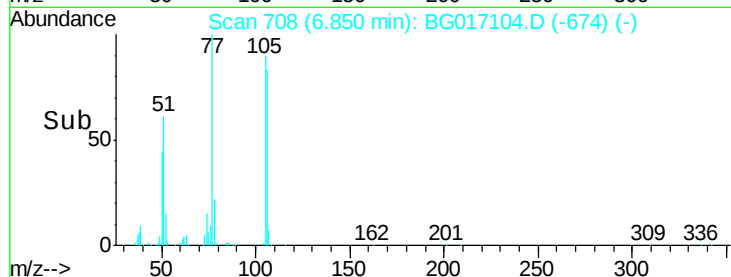
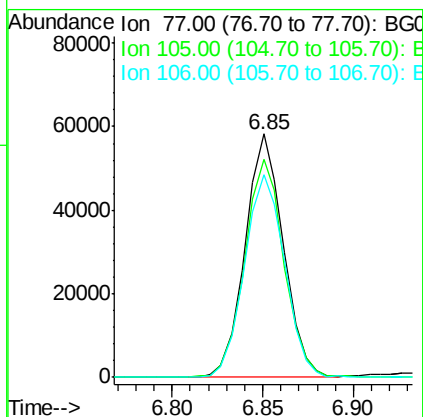
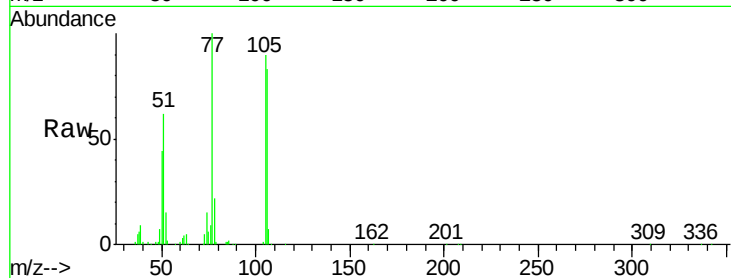
Tot Ion: 77 Resp: 85127

Ion Ratio Lower Upper

77 100

105 89.5 69.5 109.5

106 83.4 63.4 103.4



#10

Phenol

Concen: 39.29 ng

RT: 6.93 min Scan# 722

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

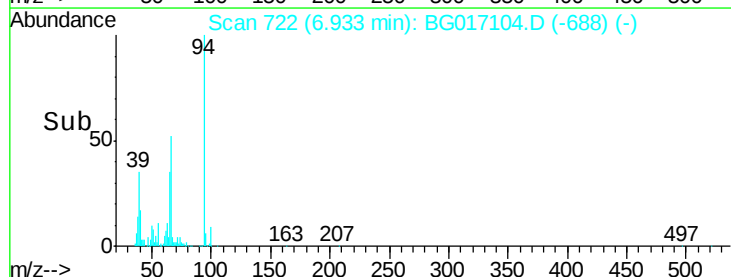
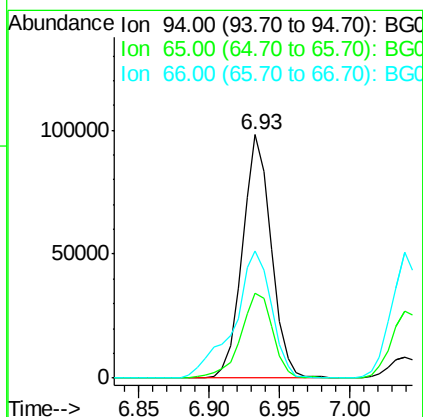
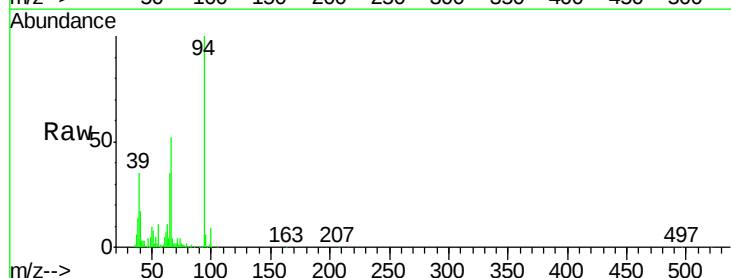
Tgt Ion: 94 Resp: 139198

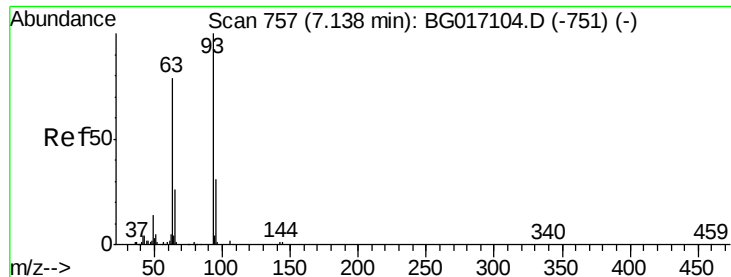
Ion Ratio Lower Upper

94 100

65 35.0 15.0 55.0

66 52.1 32.1 72.1

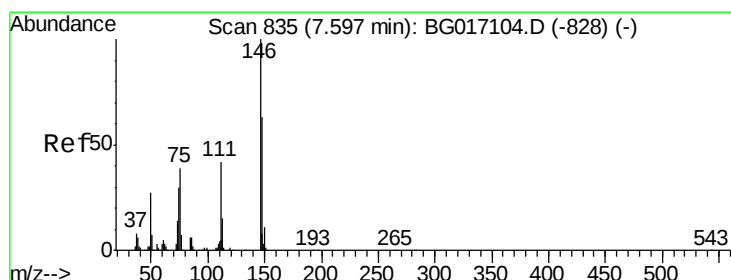
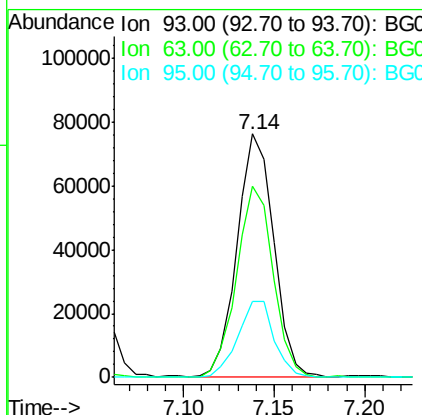
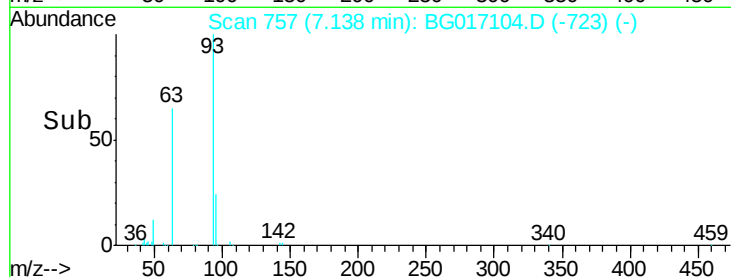
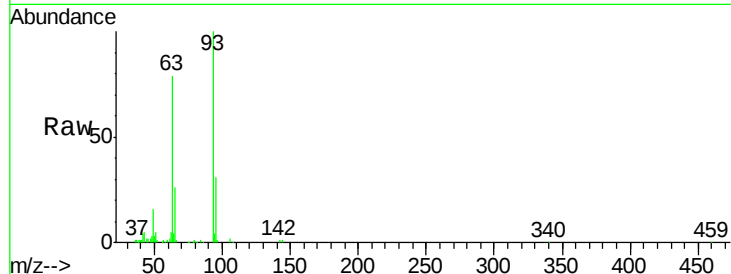




#11  
bis(2-Chloroethyl)ether  
Concen: 39.26 ng  
RT: 7.14 min Scan# 757  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

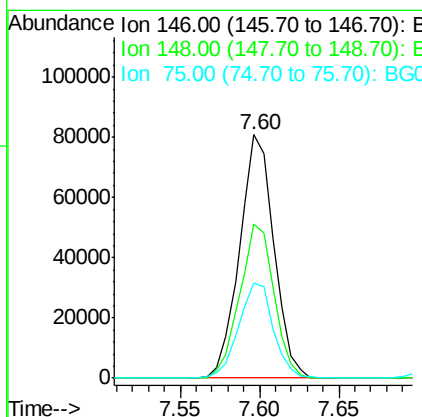
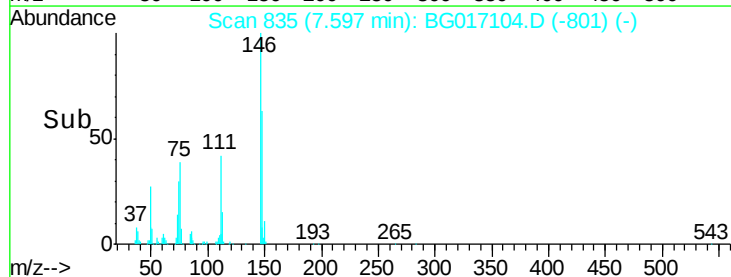
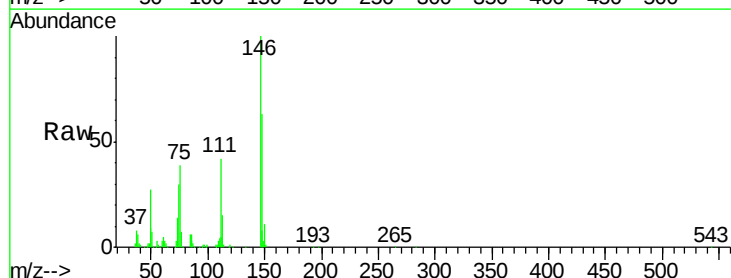
Instrument :  
BNA\_G  
ClientSampled :

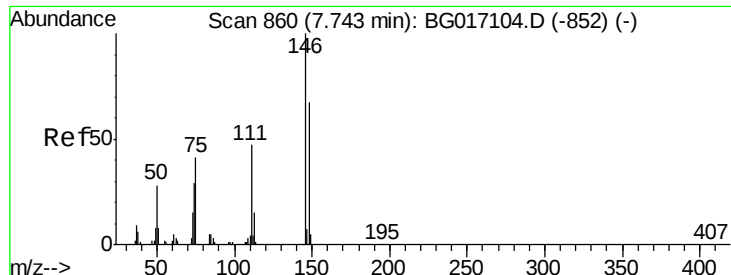
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 78.5  | 58.5  | 98.5  |
| 95      | 31.0  | 11.0  | 51.0  |



#12  
1,3-Dichlorobenzene  
Concen: 40.73 ng  
RT: 7.60 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 50.6  | 75.8  |
| 75      | 39.3  | 31.4  | 47.2  |

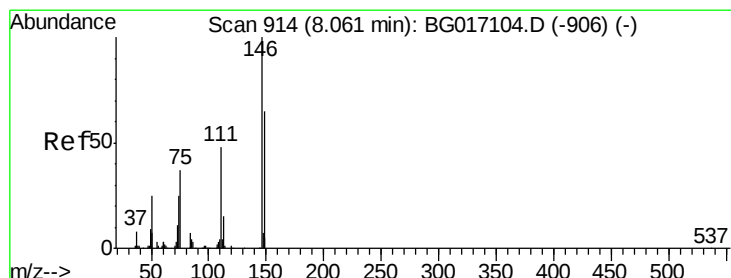
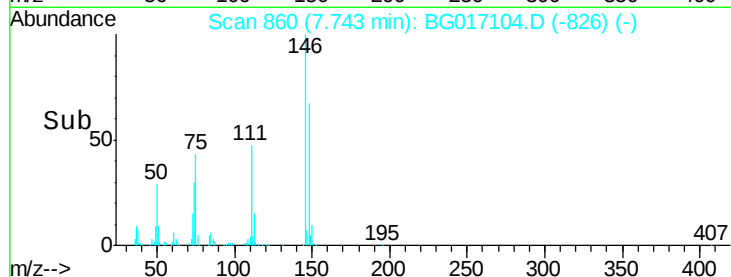
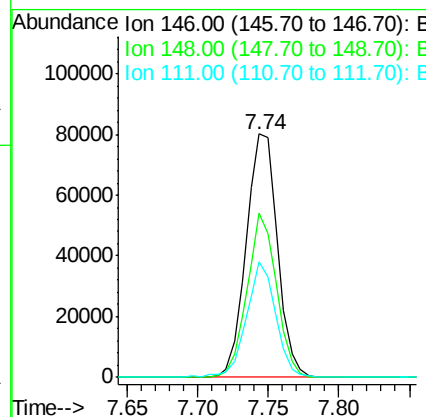
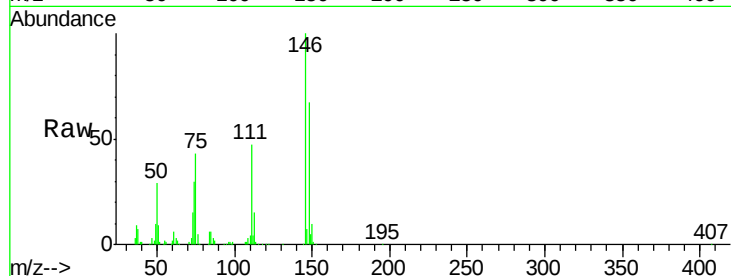




#13  
 1,4-Dichlorobenzene  
 Concen: 41.29 ng  
 RT: 7.74 min Scan# 860  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

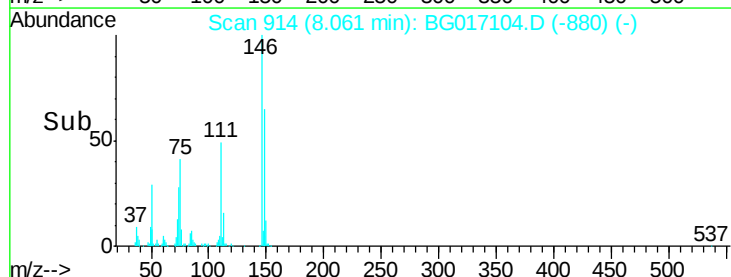
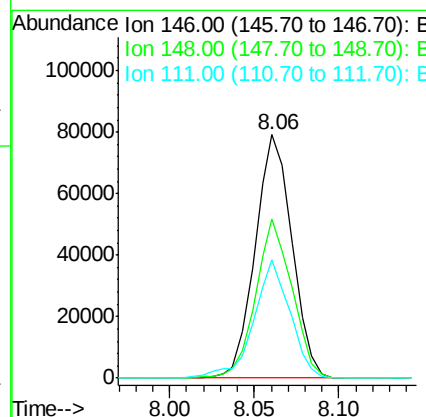
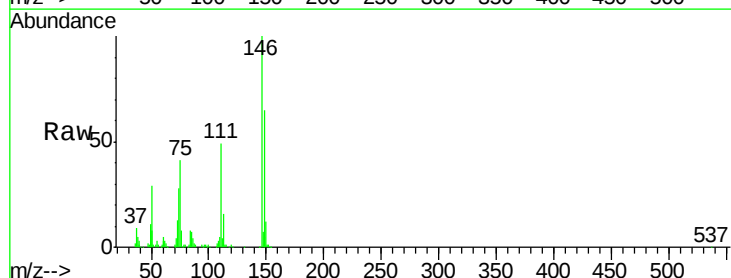
Instrument :  
 BNA\_G  
 ClientSampled :

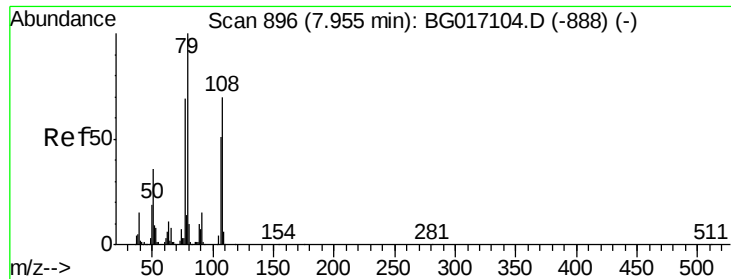
Tot Ion:146 Resp: 124431  
 Ion Ratio Lower Upper  
 146 100  
 148 67.4 53.9 80.9  
 111 47.4 37.9 56.9



#14  
 1,2-Dichlorobenzene  
 Concen: 41.41 ng  
 RT: 8.06 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Tgt Ion:146 Resp: 119897  
 Ion Ratio Lower Upper  
 146 100  
 148 65.4 52.3 78.5  
 111 48.7 39.0 58.4





#15

Benzyl Alcohol

Concen: 42.06 ng

RT: 7.95 min Scan# 896

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampled :

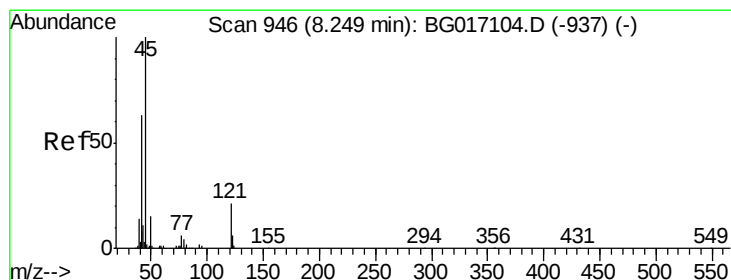
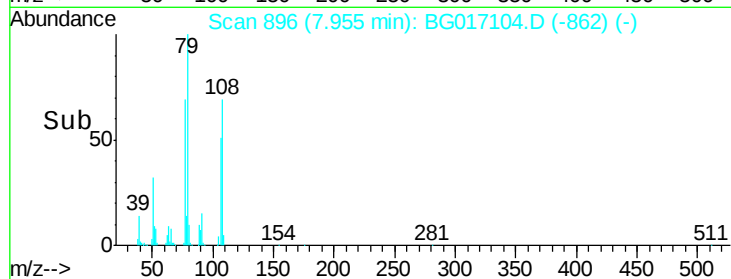
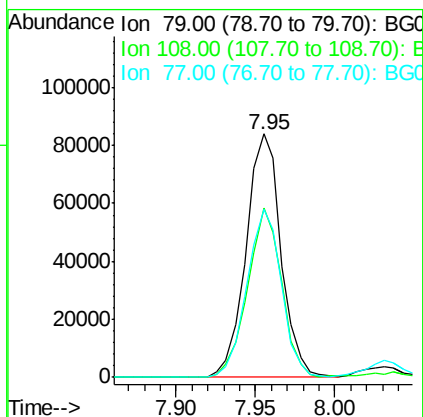
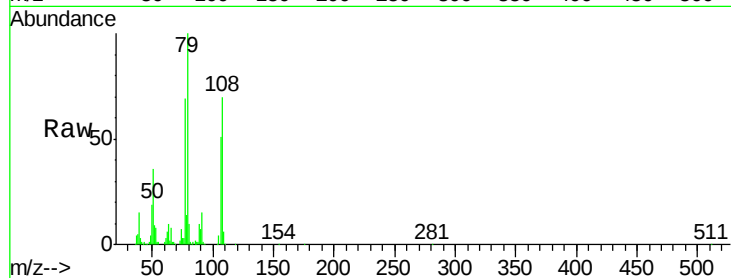
Tot Ion: 79 Resp: 128315

Ion Ratio Lower Upper

79 100

108 69.7 55.8 83.6

77 69.2 55.4 83.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.55 ng

RT: 8.25 min Scan# 946

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

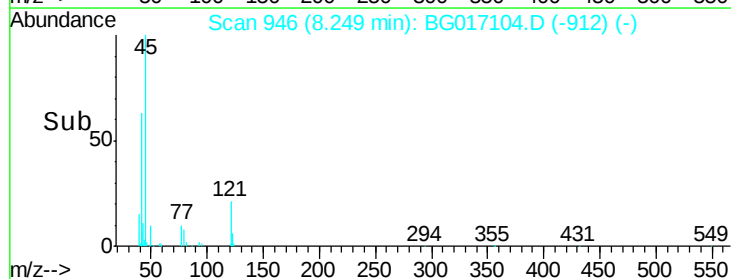
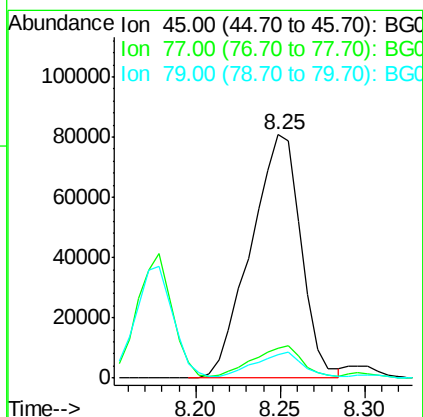
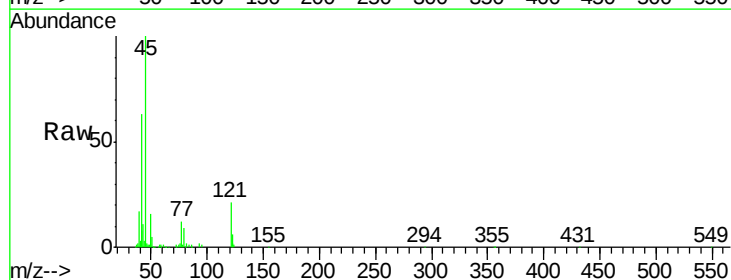
Tgt Ion: 45 Resp: 166569

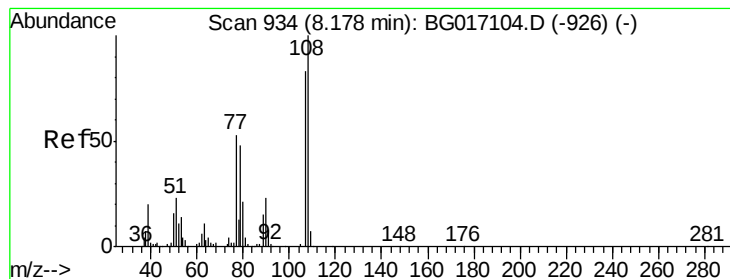
Ion Ratio Lower Upper

45 100

77 12.5 0.0 32.5

79 9.4 0.0 29.4





#17

2-Methylphenol

Concen: 39.55 ng

RT: 8.18 min Scan# 934

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:107 Resp: 98686

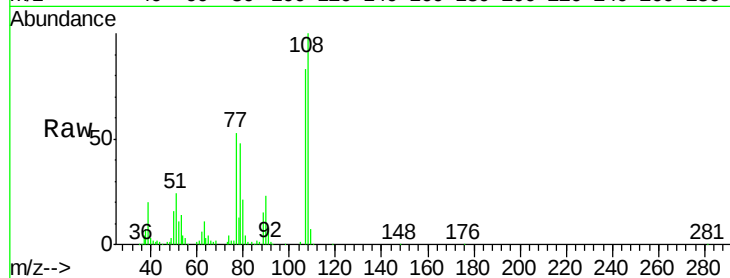
Ion Ratio Lower Upper

107 100

108 120.7 96.6 144.8

77 64.0 51.2 76.8

79 57.4 45.9 68.9

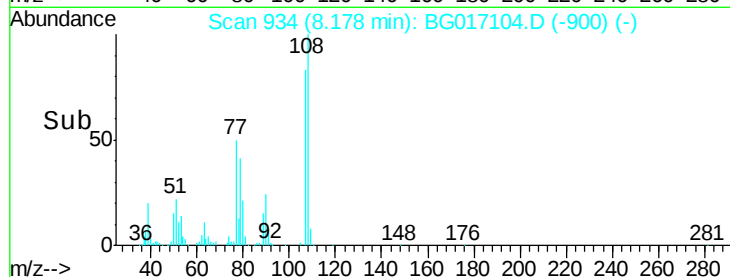


Abundance Ion 107.00 (106.70 to 107.70): E

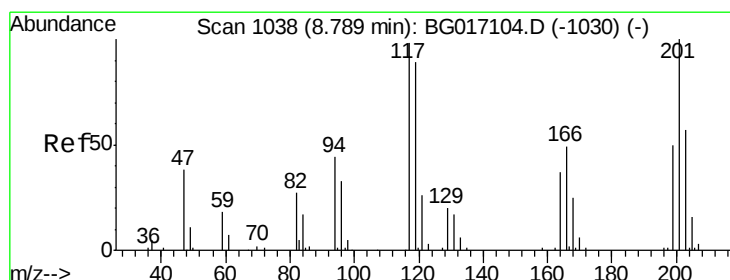
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



Time-->



#18

Hexachloroethane

Concen: 41.93 ng

RT: 8.79 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

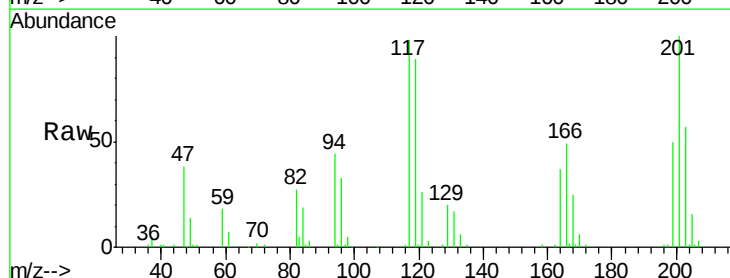
Tgt Ion:117 Resp: 52134

Ion Ratio Lower Upper

117 100

119 91.3 73.0 109.6

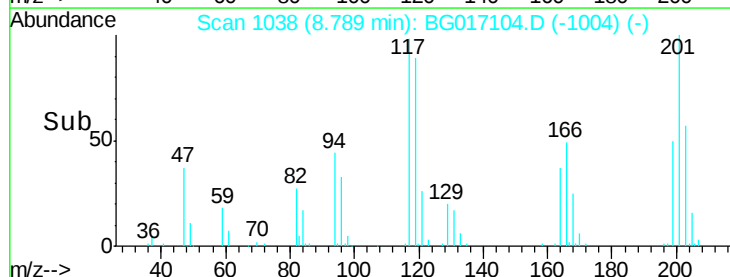
201 102.1 81.7 122.5



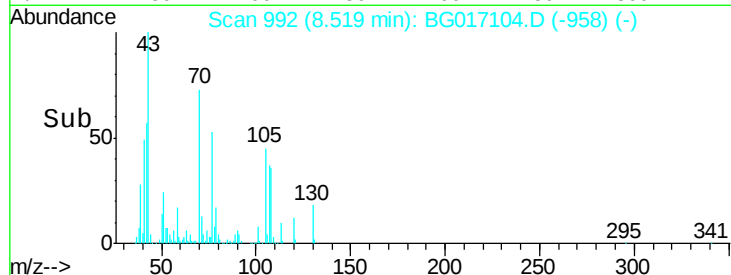
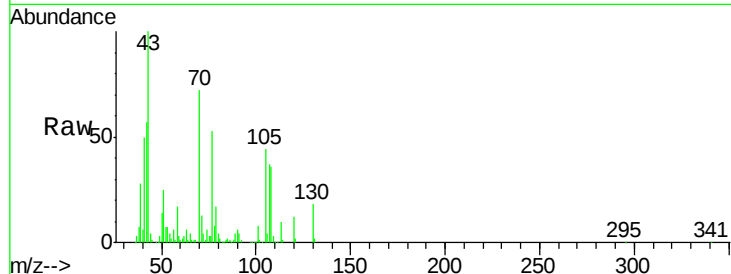
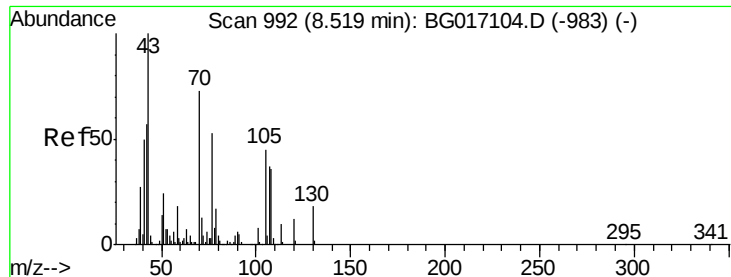
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



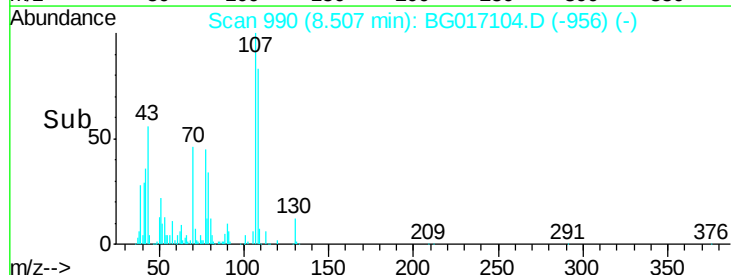
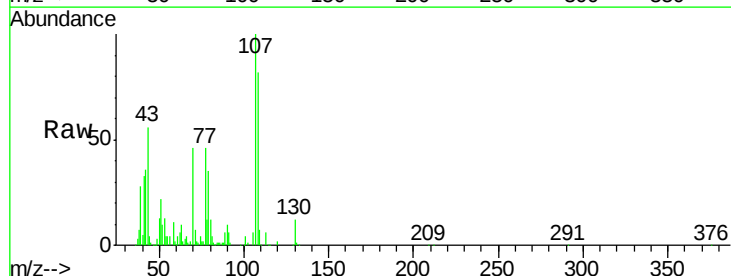
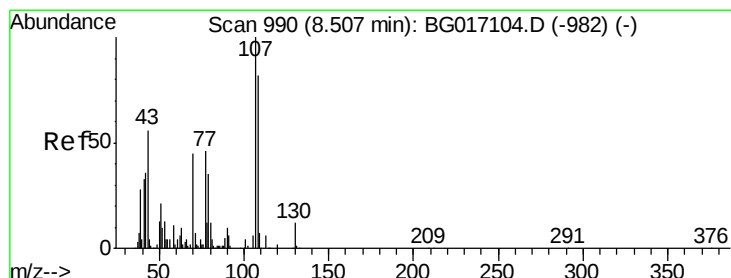
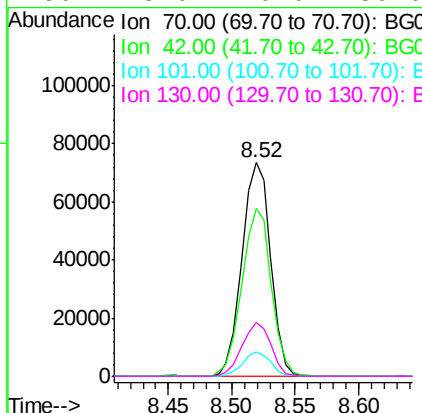
Time-->



#19  
n-Nitroso-di-n-propylamine  
Concen: 39.62 ng  
RT: 8.52 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

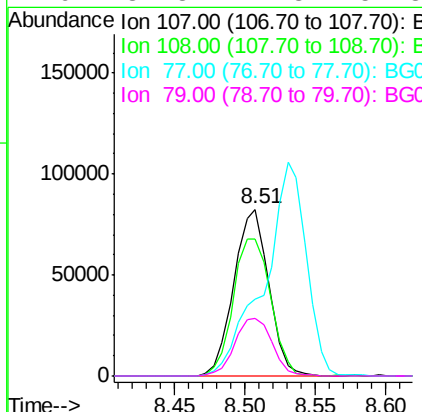
Instrument :  
BNA\_G  
ClientSampleId :

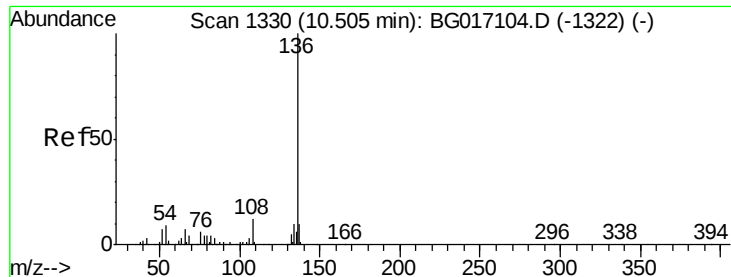
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 115132 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 78.3  | 62.6  | 94.0   |
| 101      | 11.2  | 9.0   | 13.4   |
| 130      | 25.0  | 20.0  | 30.0   |



#20  
3+4-Methylphenols  
Concen: 41.19 ng  
RT: 8.51 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 142584 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 82.2  | 62.2  | 102.2  |
| 77       | 46.0  | 26.0  | 66.0   |
| 79       | 34.8  | 14.8  | 54.8   |

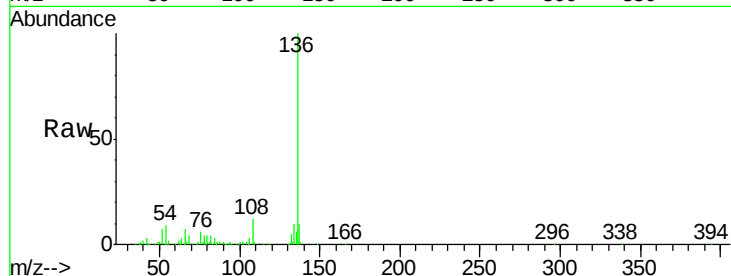




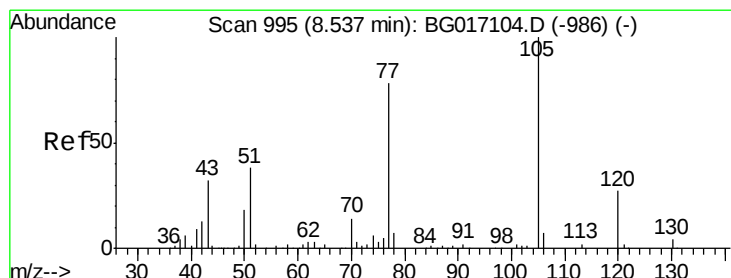
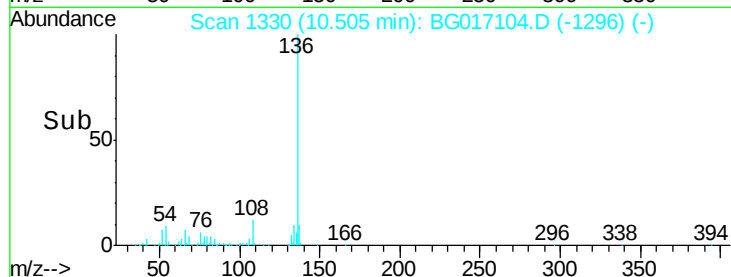
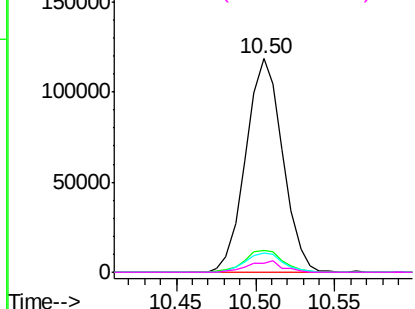
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.50 min Scan# 1330  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 190993   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.4  | 8.3 12.5 |
| 54          | 9.3   | 7.4 11.2 |
| 68          | 4.5   | 3.6 5.4  |

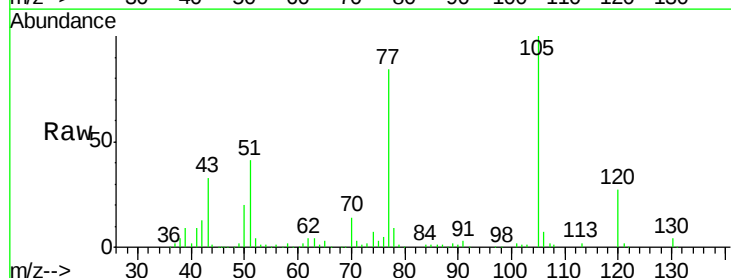


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

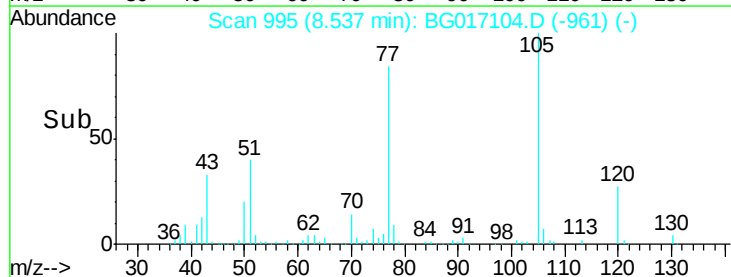
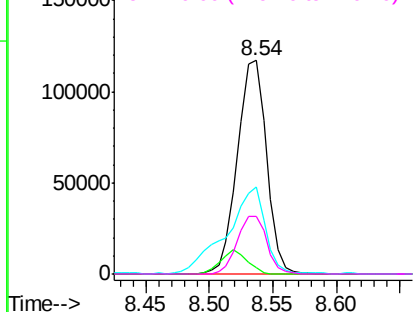


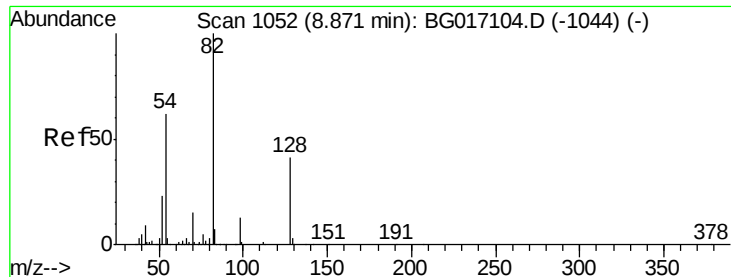
#22  
Acetophenone  
Concen: 40.62 ng  
RT: 8.54 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 187201    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 2.8   | 2.2 3.4   |
| 51          | 41.0  | 32.8 49.2 |
| 120         | 27.2  | 21.8 32.6 |



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

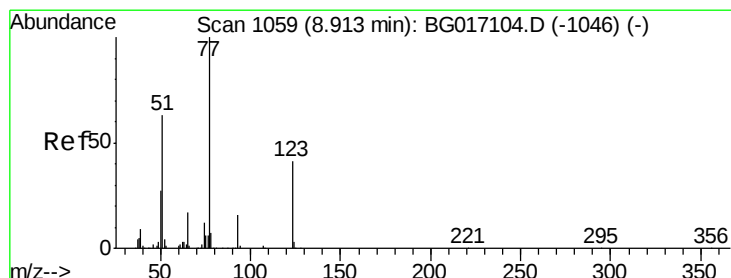
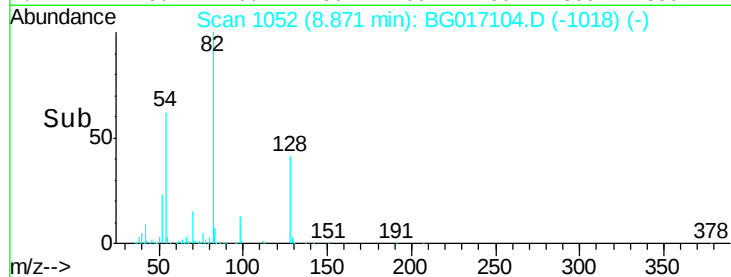
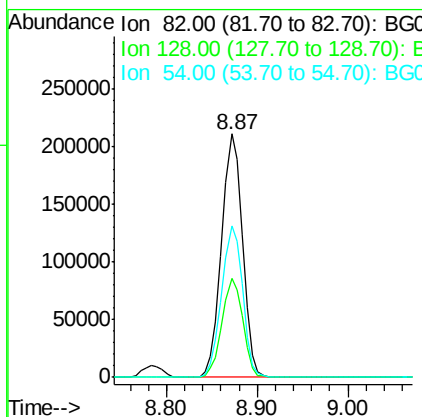
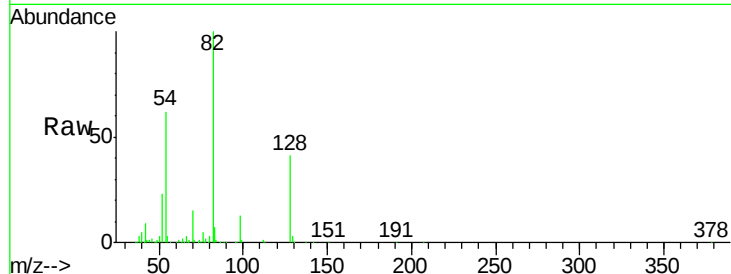




#23  
 Nitrobenzene-d5  
 Concen: 84.54 ng  
 RT: 8.87 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

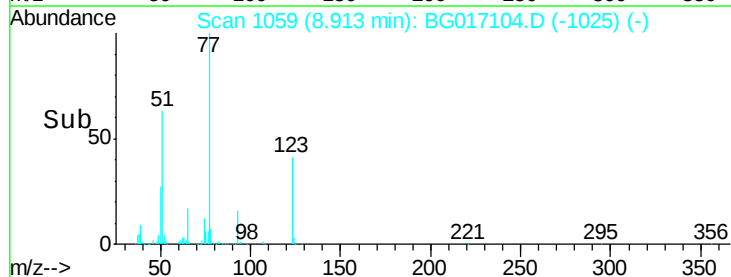
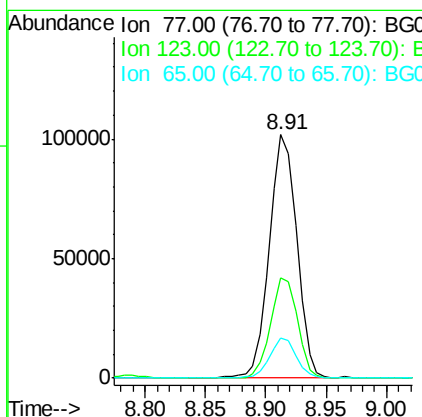
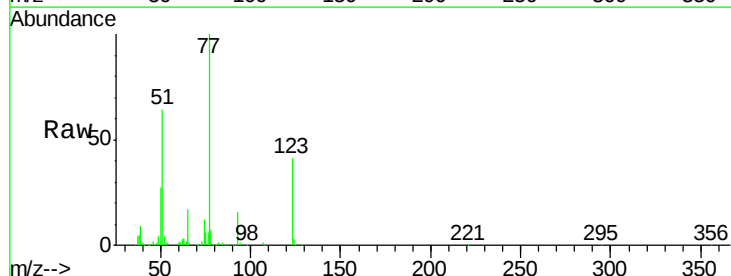
Instrument :  
 BNA\_G  
 ClientSampleId :

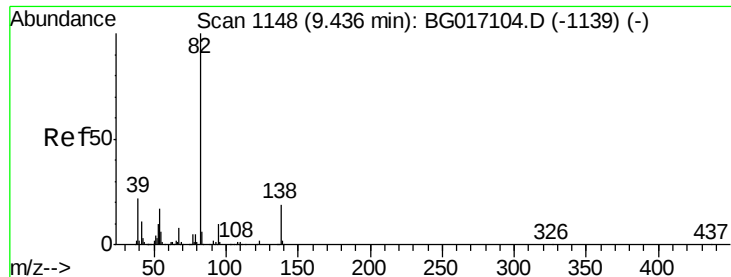
| Tot Ion | 82    | Resp  | 337925 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 40.8  | 32.6  | 49.0   |
| 54      | 62.0  | 49.6  | 74.4   |



#24  
 Nitrobenzene  
 Concen: 40.19 ng  
 RT: 8.91 min Scan# 1059  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | 77    | Resp  | 160597 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 77      | 100   |       |        |
| 123     | 41.2  | 33.0  | 49.4   |
| 65      | 16.6  | 13.3  | 19.9   |





#25

Isophorone

Concen: 39.17 ng

RT: 9.44 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

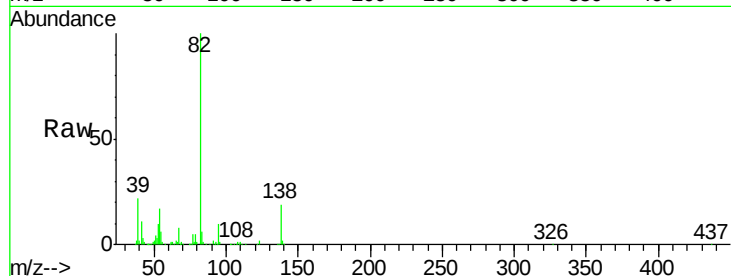
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 82 Resp: 312077

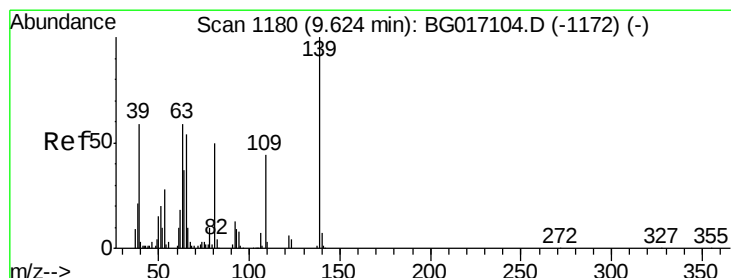
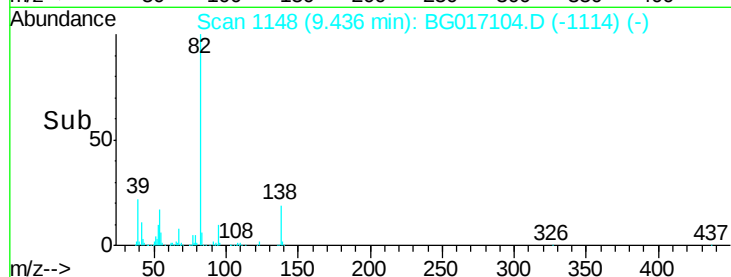
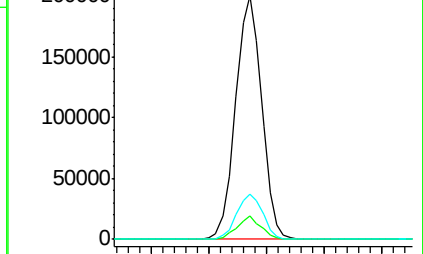
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 9.6   | 7.7   | 11.5  |
| 138 | 18.8  | 15.0  | 22.6  |



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 44.25 ng

RT: 9.62 min Scan# 1180

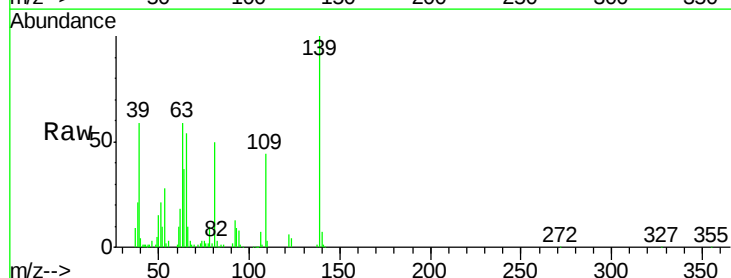
Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Tgt Ion: 139 Resp: 73169

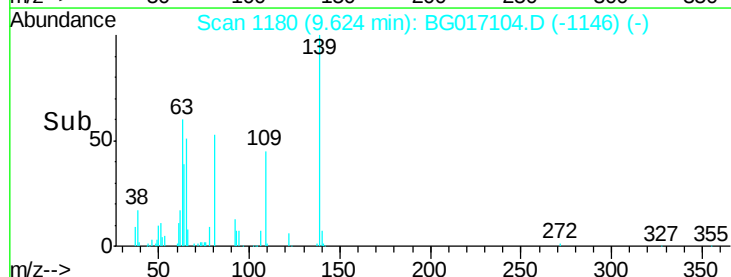
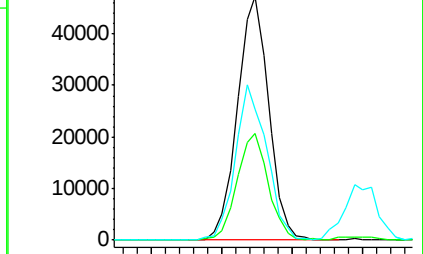
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 43.6  | 34.9  | 52.3  |
| 65  | 53.7  | 43.0  | 64.4  |

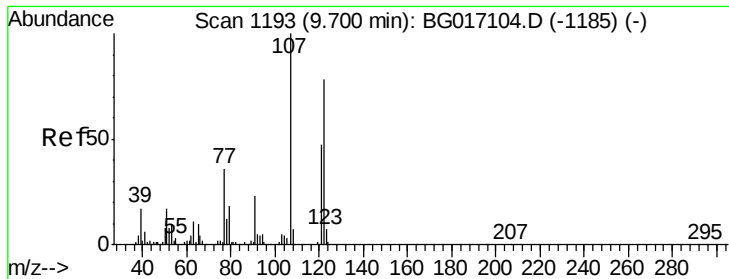


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

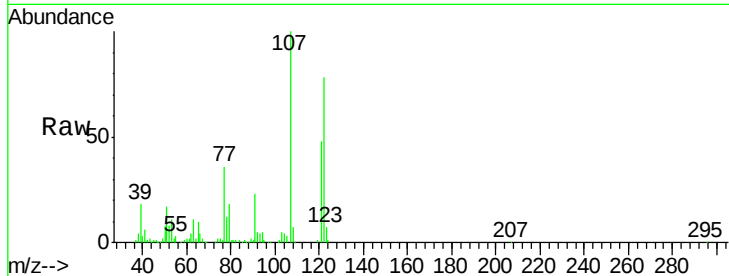




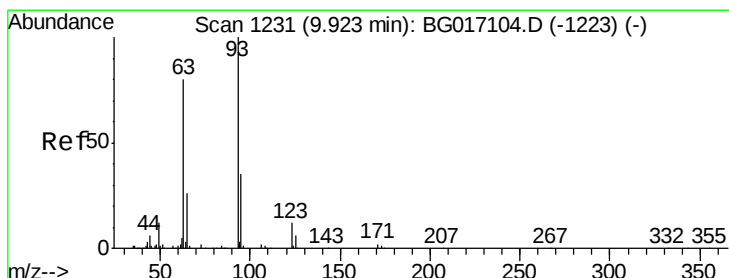
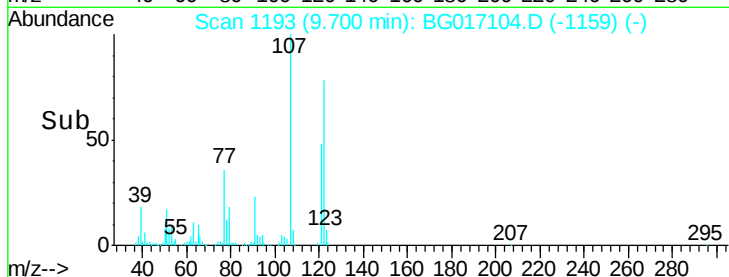
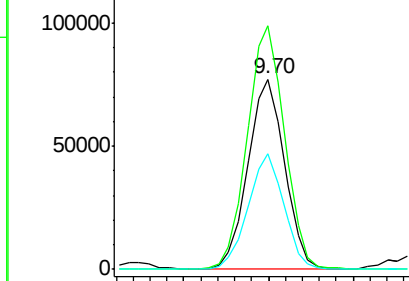
#27  
2,4-Dimethylphenol  
Concen: 39.90 ng  
RT: 9.70 min Scan# 1193  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:122 Resp: 116995  
Ion Ratio Lower Upper  
122 100  
107 127.9 102.3 153.5  
121 60.9 48.7 73.1

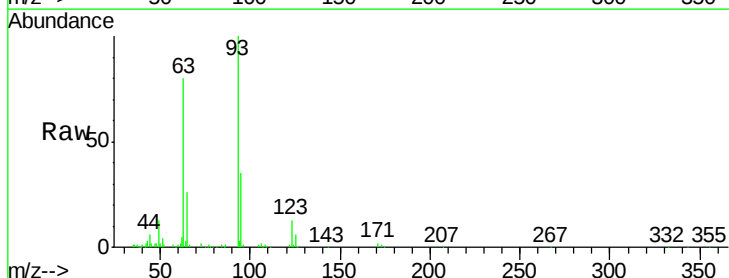


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 107.00 (106.70 to 107.70): E  
Ion 121.00 (120.70 to 121.70): E

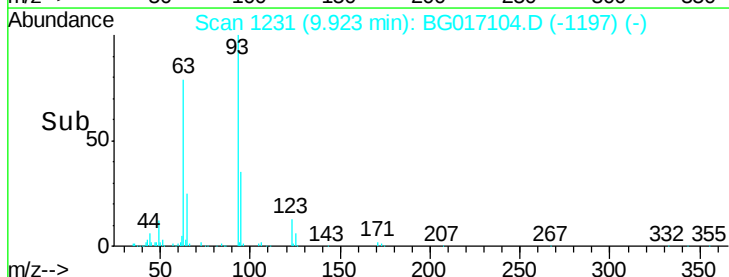
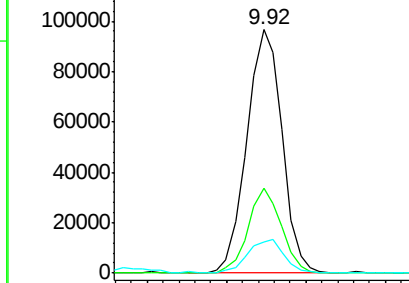


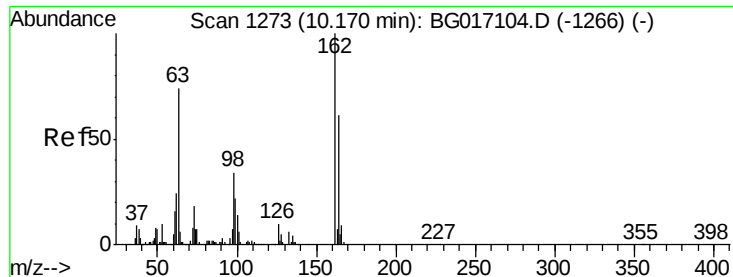
#28  
bis(2-Chloroethoxy)methane  
Concen: 37.34 ng  
RT: 9.92 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion: 93 Resp: 149562  
Ion Ratio Lower Upper  
93 100  
95 35.0 28.0 42.0  
123 12.9 10.3 15.5



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 123.00 (122.70 to 123.70): E

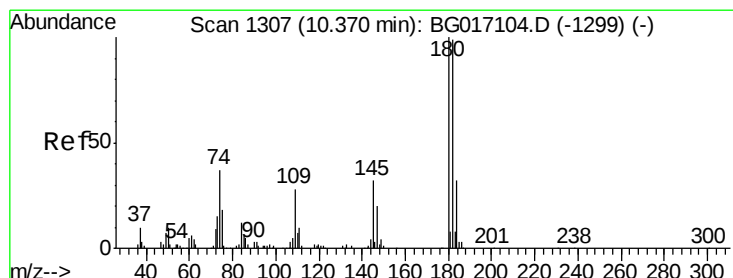
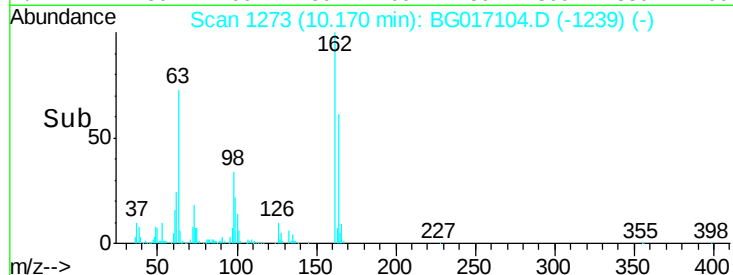
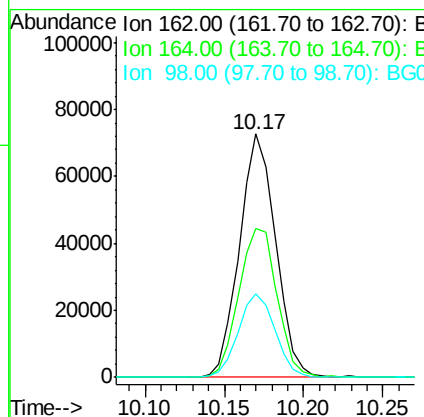
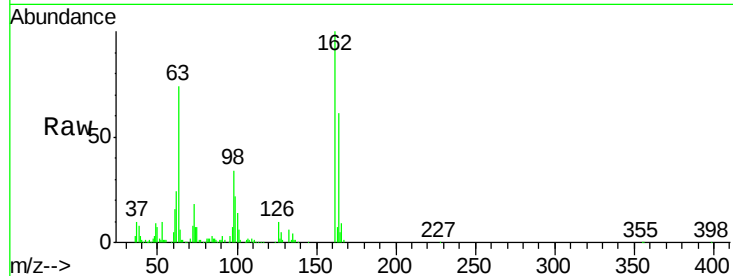




#29  
 2,4-Dichlorophenol  
 Concen: 41.20 ng  
 RT: 10.17 min Scan# 1273  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

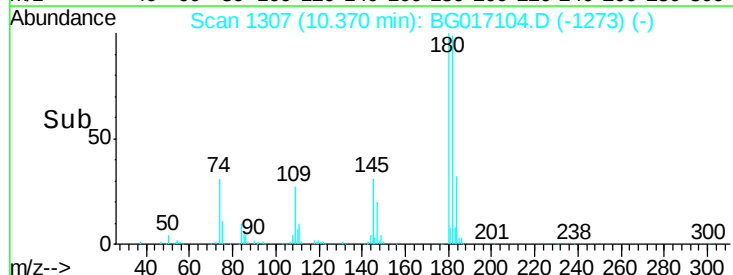
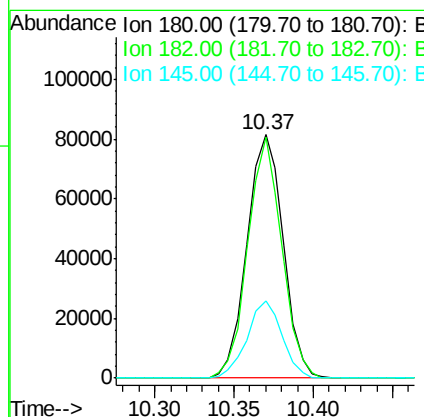
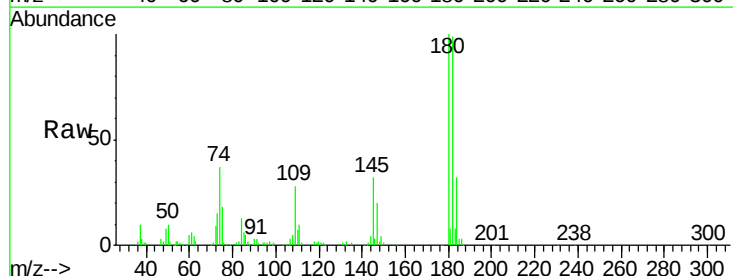
Instrument :  
 BNA\_G  
 ClientSampled :

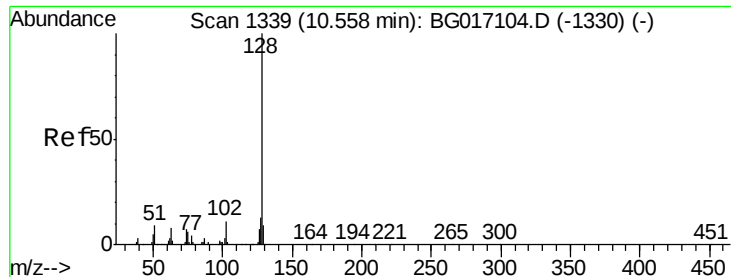
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 61.4  | 41.4  | 81.4  |
| 98      | 34.3  | 14.3  | 54.3  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.14 ng  
 RT: 10.37 min Scan# 1307  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.2  | 79.4  | 119.0 |
| 145     | 31.6  | 25.3  | 37.9  |

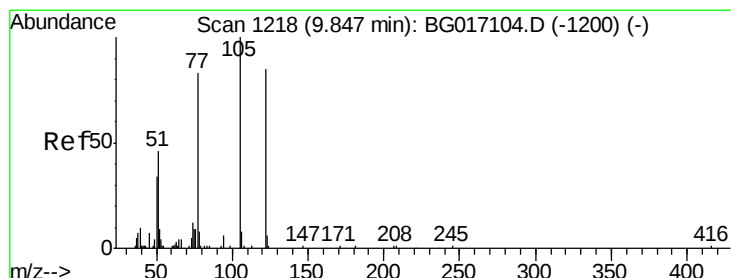
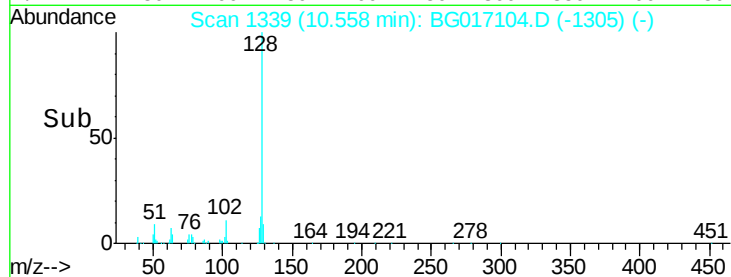
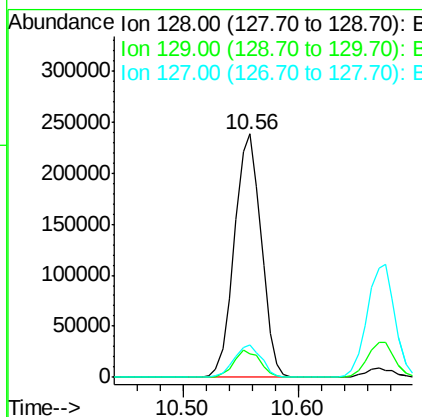
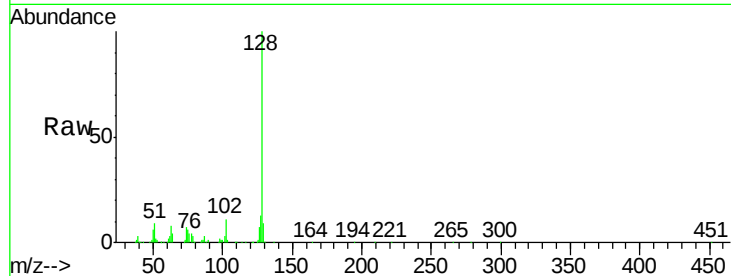




#31  
Naphthalene  
Concen: 39.79 ng  
RT: 10.56 min Scan# 1339  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

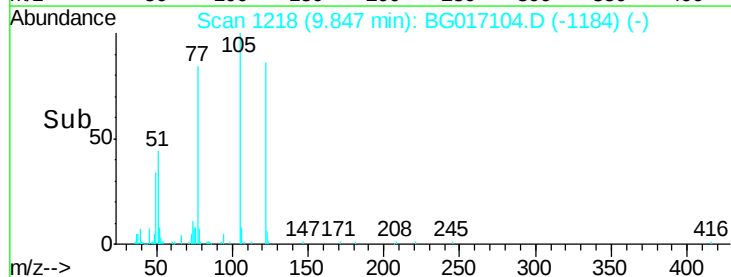
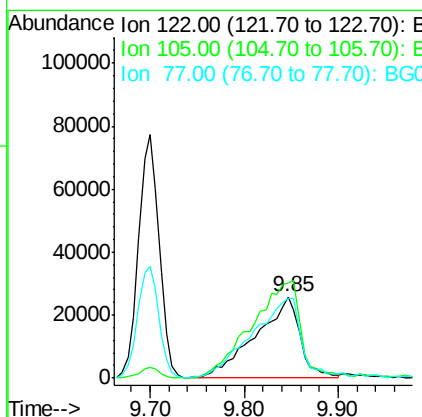
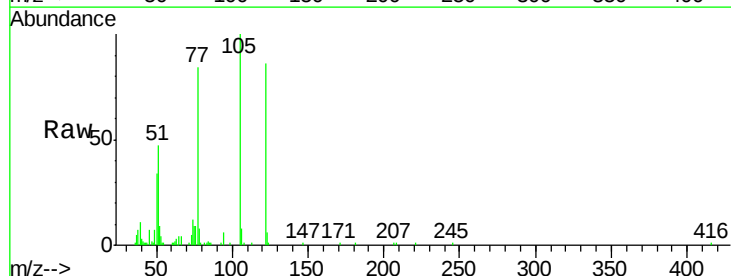
Instrument :  
BNA\_G  
ClientSampleId :

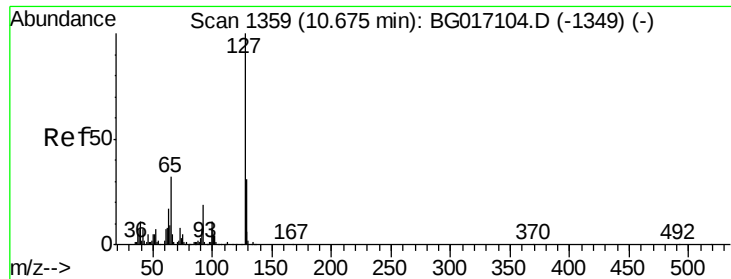
Tot Ion:128 Resp: 382716  
Ion Ratio Lower Upper  
128 100  
129 9.5 7.6 11.4  
127 13.3 10.6 16.0



#32  
Benzoic acid  
Concen: 45.96 ng  
RT: 9.85 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:122 Resp: 82274  
Ion Ratio Lower Upper  
122 100  
105 116.7 96.7 136.7  
77 98.5 78.5 118.5

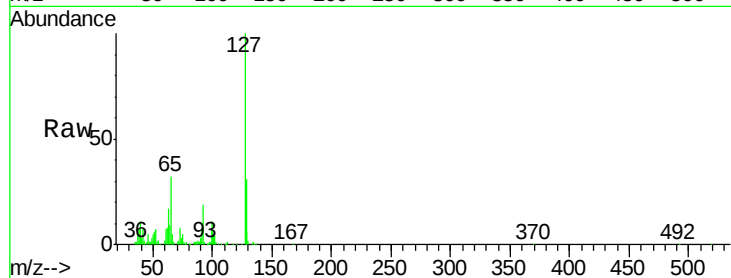




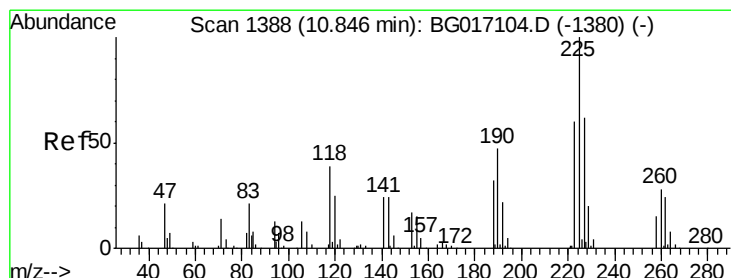
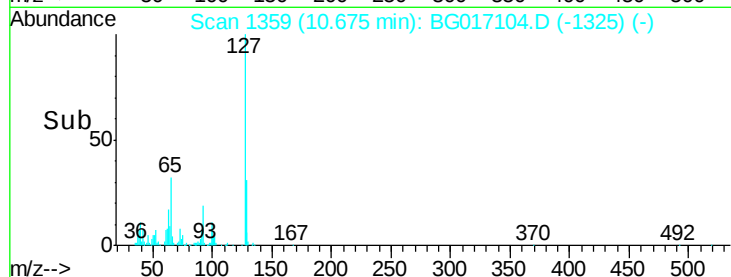
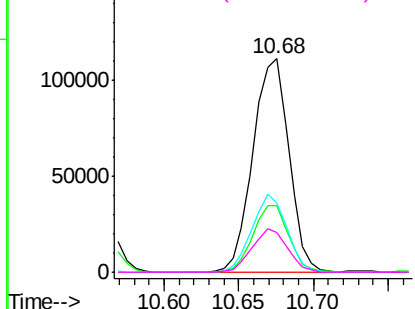
#33  
4-Chloroaniline  
Concen: 41.50 ng  
RT: 10.68 min Scan# 1359  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 184979 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.0  | 24.8  | 37.2   |
| 65       | 32.2  | 25.8  | 38.6   |
| 92       | 18.7  | 15.0  | 22.4   |

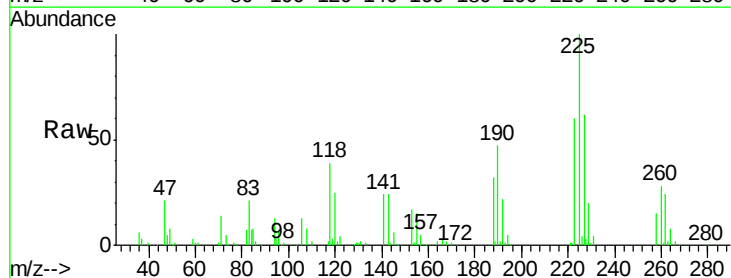


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 92.00 (91.70 to 92.70): BGC

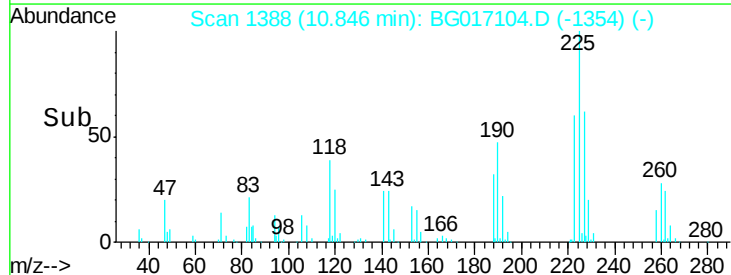
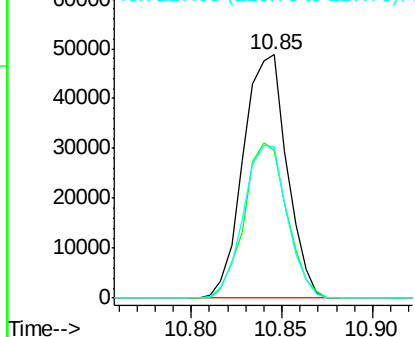


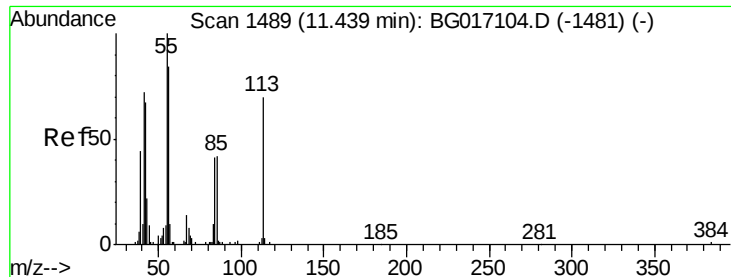
#34  
Hexachlorobutadiene  
Concen: 43.60 ng  
RT: 10.85 min Scan# 1388  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 81896 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.4  | 48.3  | 72.5  |
| 227      | 62.3  | 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

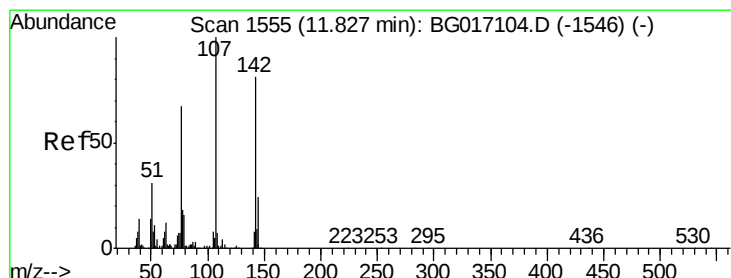
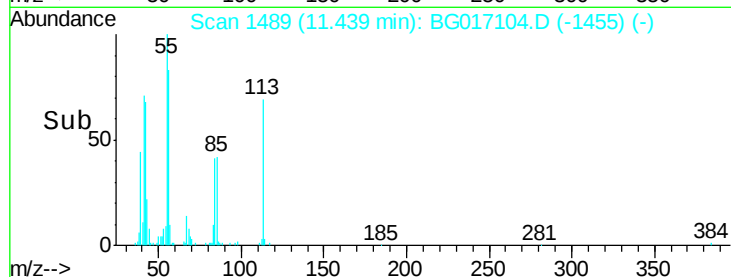
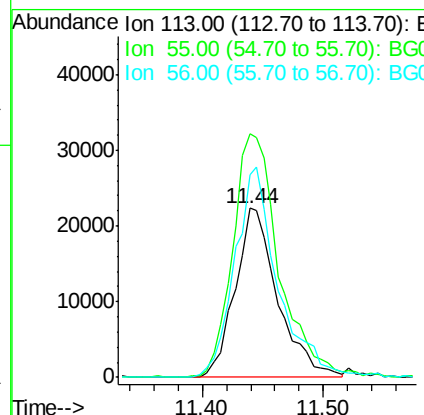
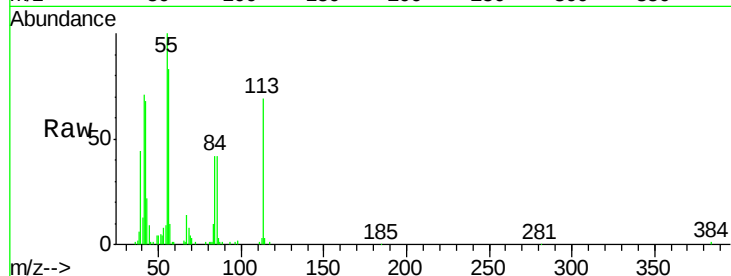




#35  
 Caprolactam  
 Concen: 38.07 ng  
 RT: 11.44 min Scan# 1489  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

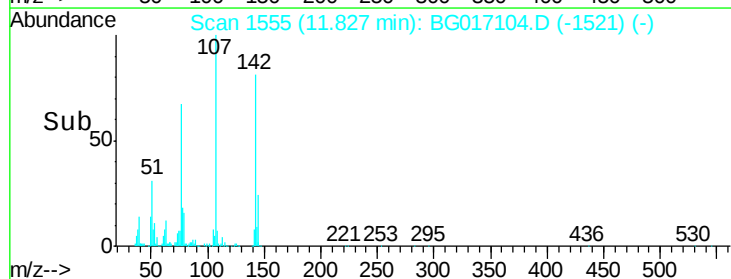
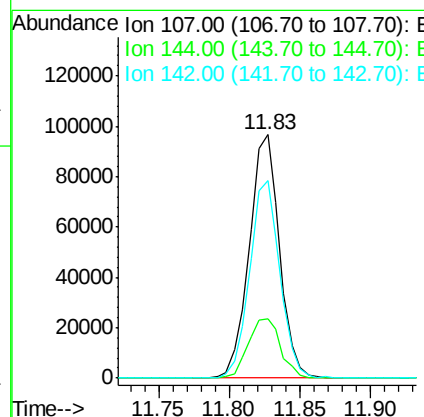
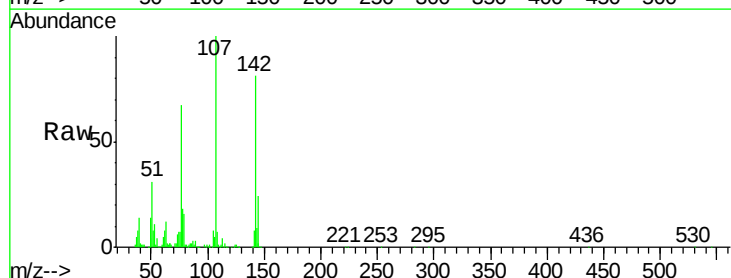
Instrument :  
 BNA\_G  
 ClientSampleId :

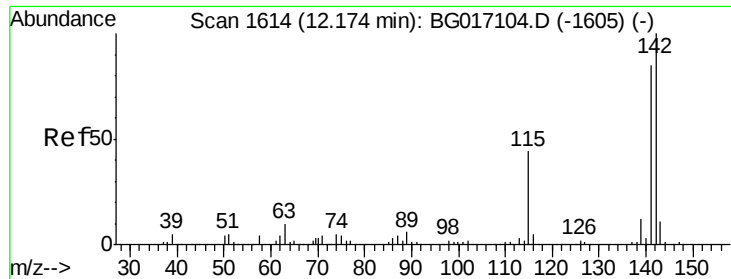
Tot Ion:113 Resp: 54606  
 Ion Ratio Lower Upper  
 113 100  
 55 144.1 124.1 164.1  
 56 120.3 100.3 140.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 40.62 ng  
 RT: 11.83 min Scan# 1555  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Tgt Ion:107 Resp: 144980  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 19.6 29.4  
 142 81.1 64.9 97.3

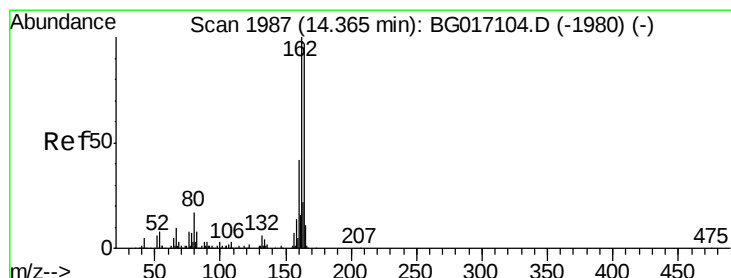
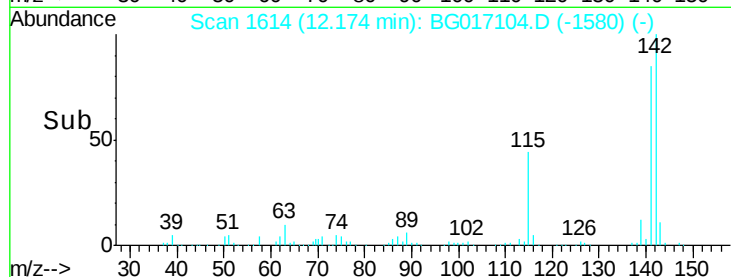
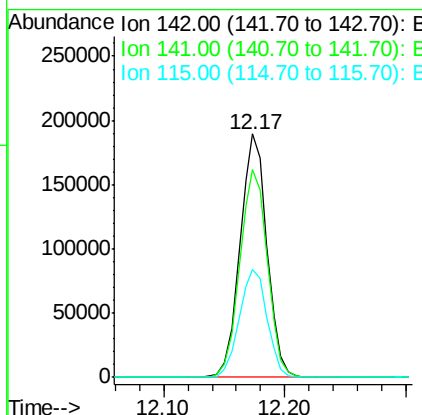
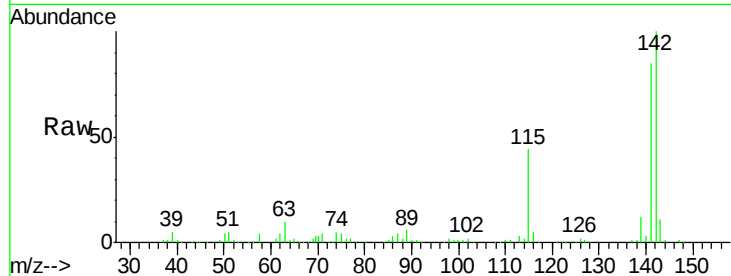




#37  
 2-Methylnaphthalene  
 Concen: 39.90 ng  
 RT: 12.17 min Scan# 1614  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

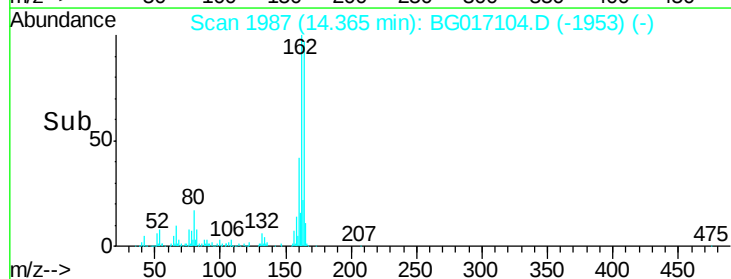
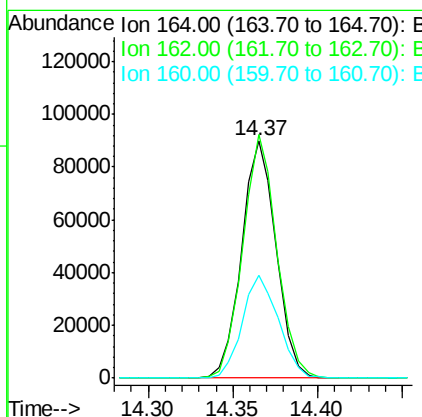
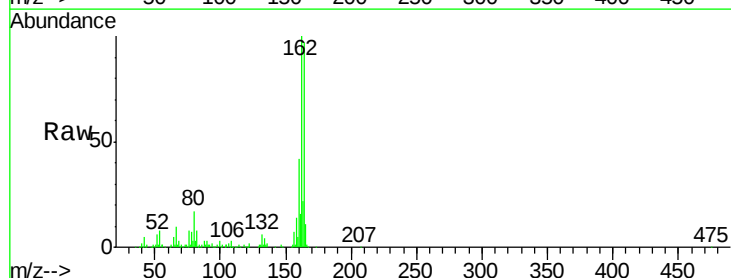
Instrument :  
 BNA\_G  
 ClientSampled :

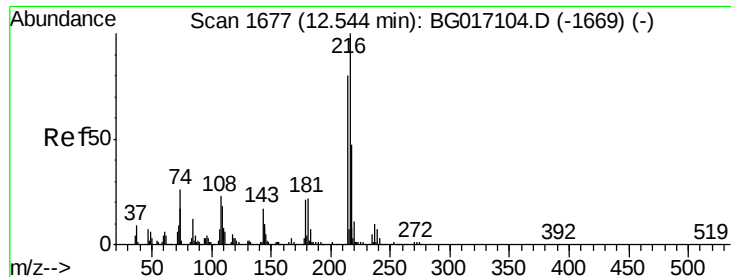
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 85.2  | 68.2  | 102.2 |
| 115     | 44.5  | 35.6  | 53.4  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.37 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 82.1  | 123.1 |
| 160     | 43.5  | 34.8  | 52.2  |

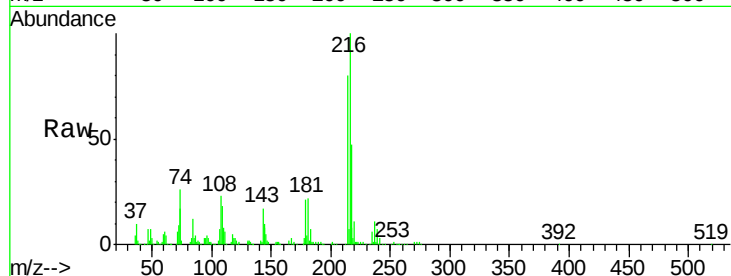




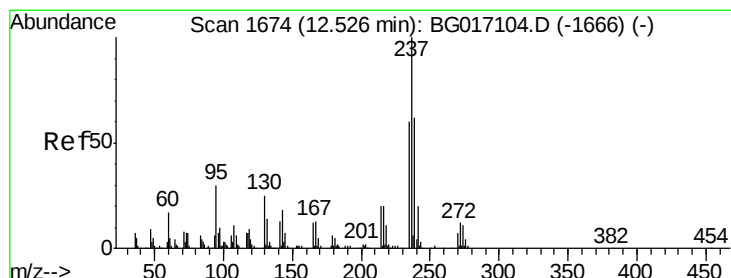
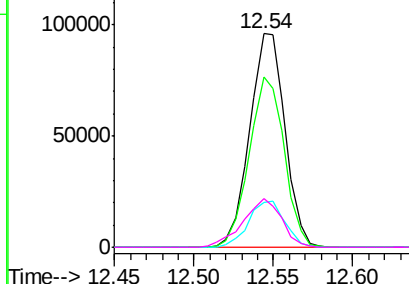
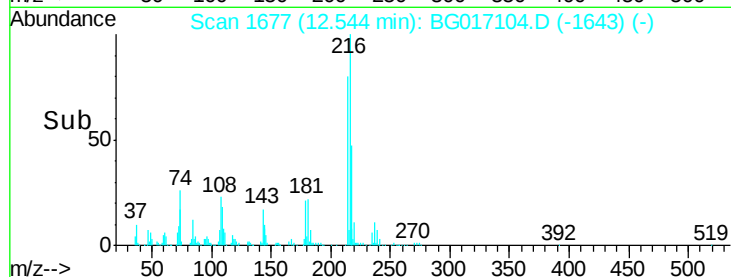
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.45 ng  
 RT: 12.54 min Scan# 1677  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Instrument :  
 BNA\_G  
 ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 148604    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.1  | 63.3 94.9 |
| 179         | 22.3  | 17.8 26.8 |
| 108         | 24.9  | 19.9 29.9 |

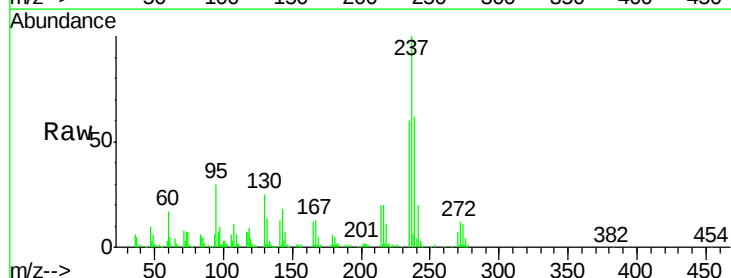


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

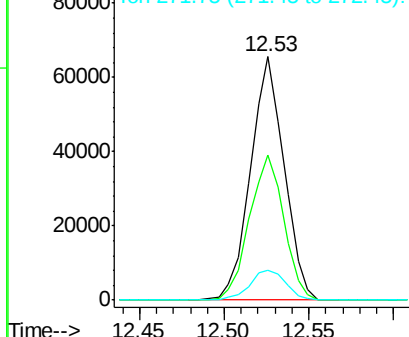
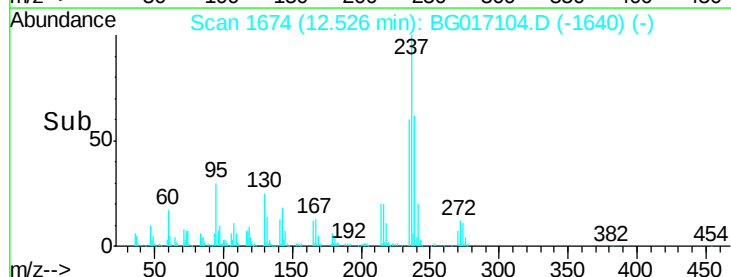


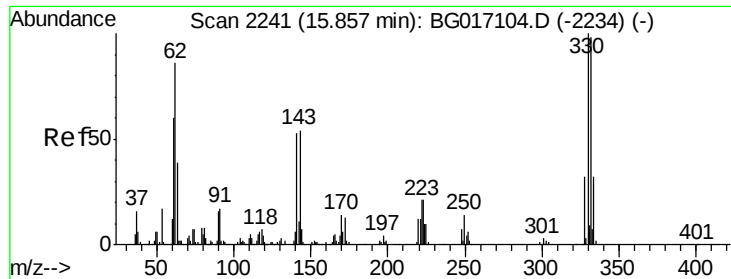
#40  
 Hexachlorocyclopentadiene  
 Concen: 40.35 ng  
 RT: 12.53 min Scan# 1674  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 90523     |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 59.7  | 39.7 79.7 |
| 272         | 12.1  | 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

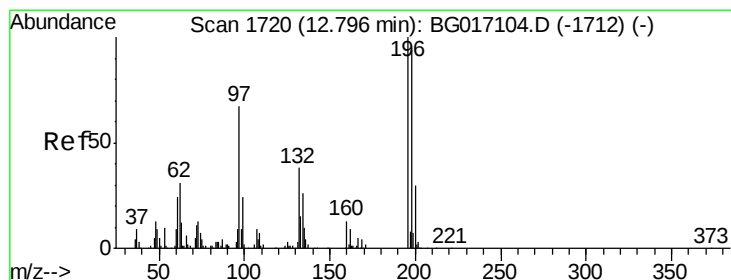
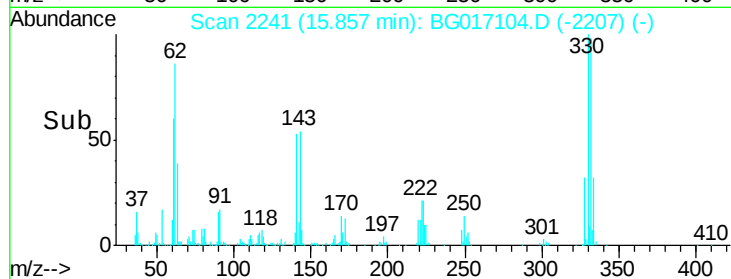
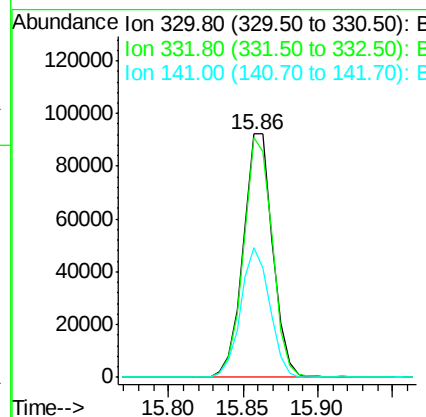
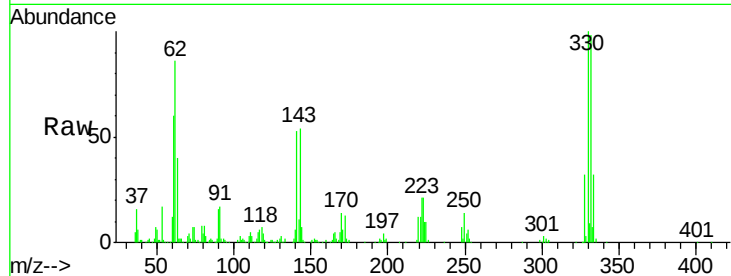




#41  
 2,4,6-Tribromophenol  
 Concen: 94.83 ng  
 RT: 15.86 min Scan# 2241  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

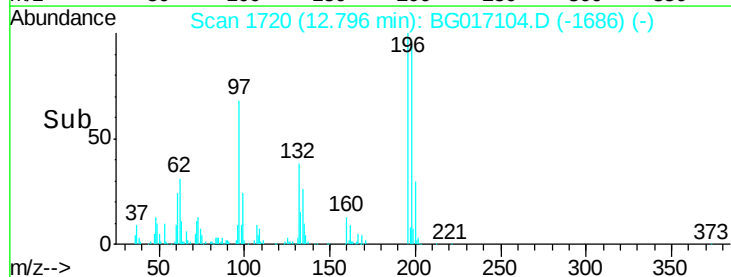
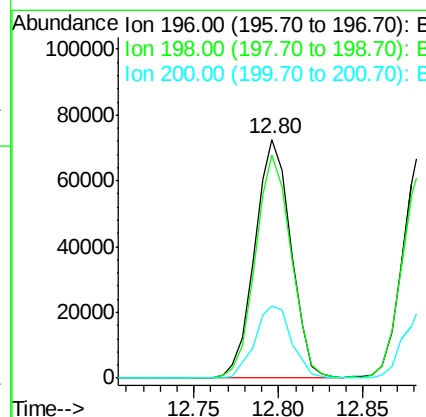
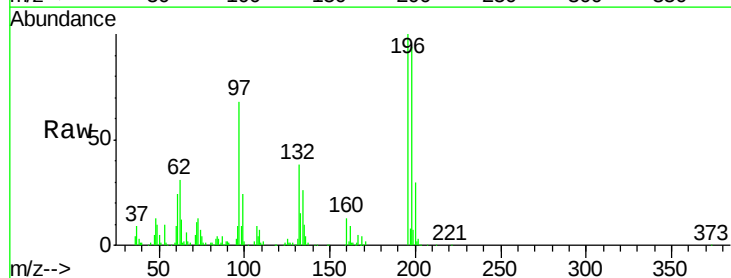
Instrument :  
 BNA\_G  
 ClientSampleId :

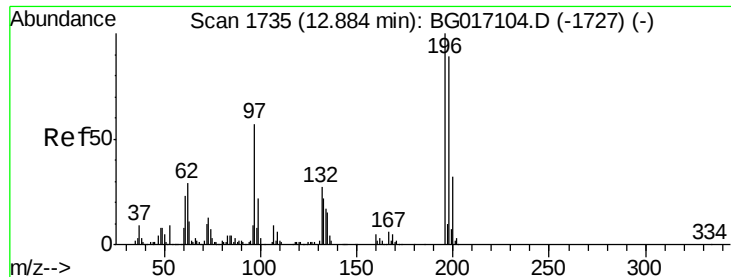
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.9  | 115.3 |
| 141     | 52.7  | 42.2  | 63.2  |



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.65 ng  
 RT: 12.80 min Scan# 1720  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 93.6  | 74.9  | 112.3 |
| 200     | 30.2  | 24.2  | 36.2  |

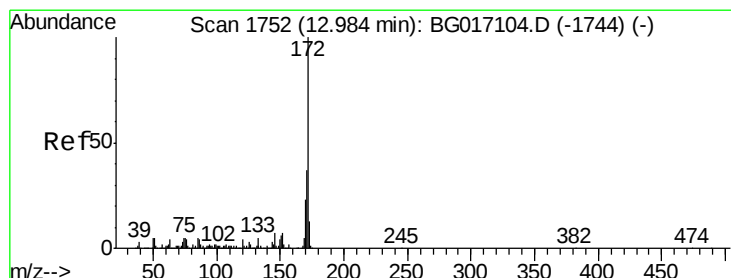
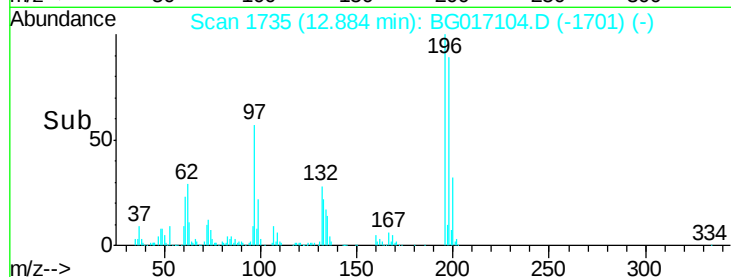
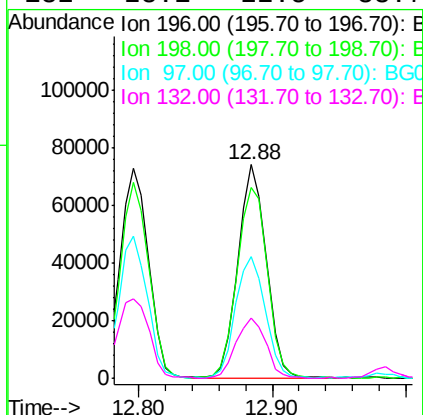
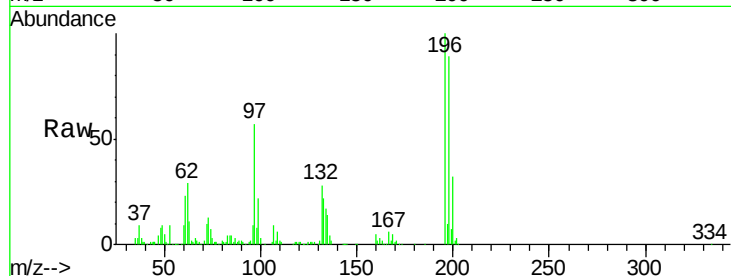




#43  
2,4,5-Trichlorophenol  
Concen: 41.51 ng  
RT: 12.88 min Scan# 1735  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

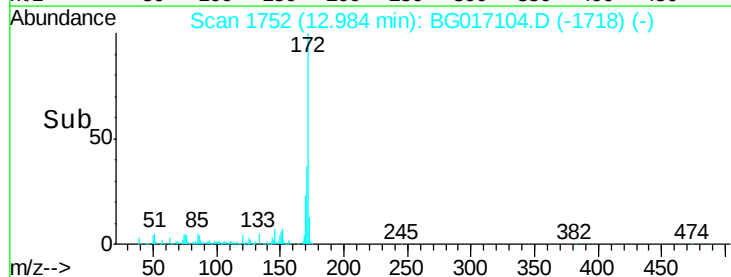
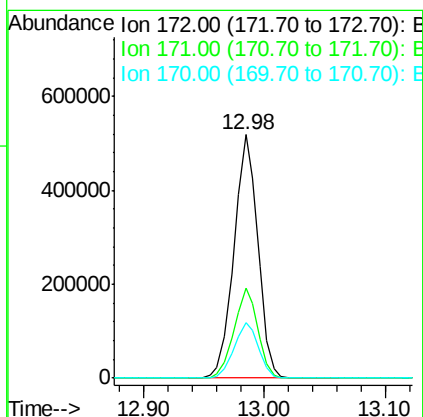
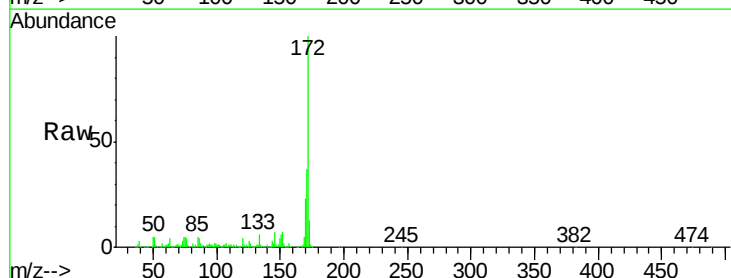
Instrument :  
BNA\_G  
ClientSampleId :

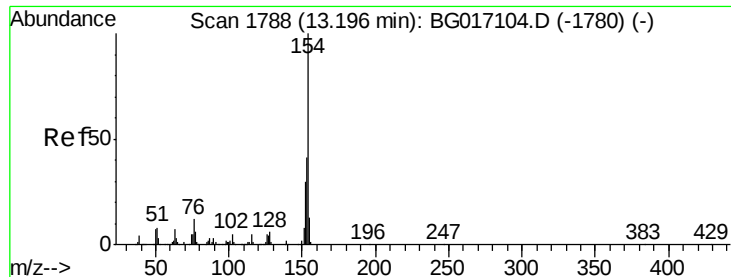
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 89.2  | 71.4  | 107.0 |
| 97      | 56.7  | 45.4  | 68.0  |
| 132     | 28.1  | 22.5  | 33.7  |



#44  
2-Fluorobiphenyl  
Concen: 83.27 ng  
RT: 12.98 min Scan# 1752  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.7  | 44.5  |
| 170     | 23.0  | 18.4  | 27.6  |





#45

1,1'-Biphenyl

Concen: 40.93 ng

RT: 13.20 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

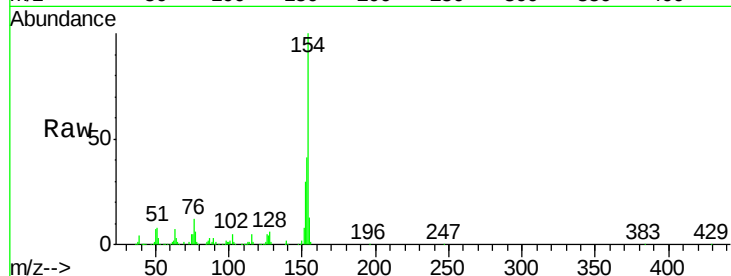
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:154 Resp: 377037

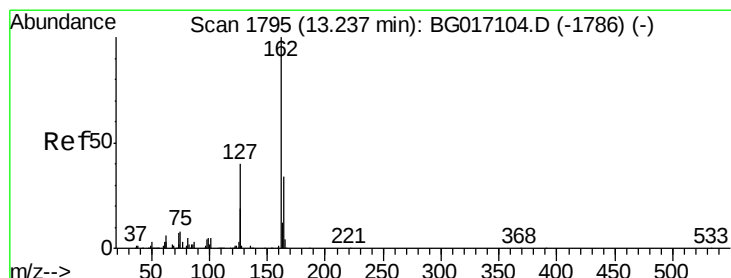
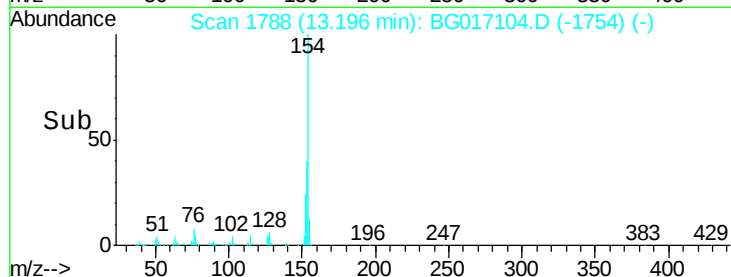
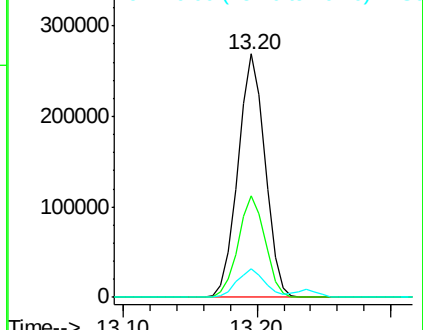
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.5  | 21.5  | 61.5  |
| 76  | 11.9  | 0.0   | 31.9  |



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#46

2-Chloronaphthalene

Concen: 40.78 ng

RT: 13.24 min Scan# 1795

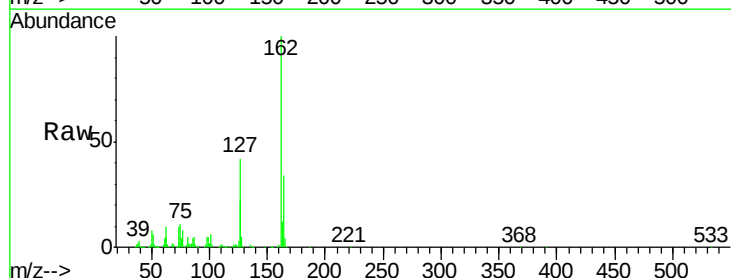
Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Tgt Ion:162 Resp: 297333

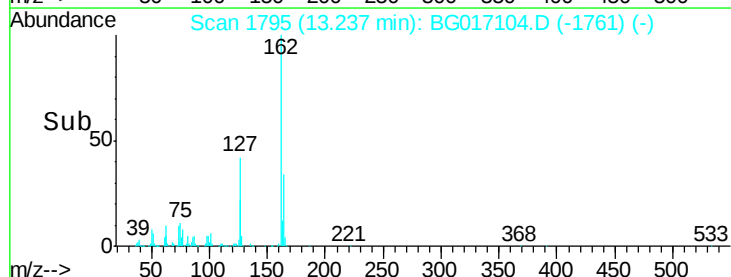
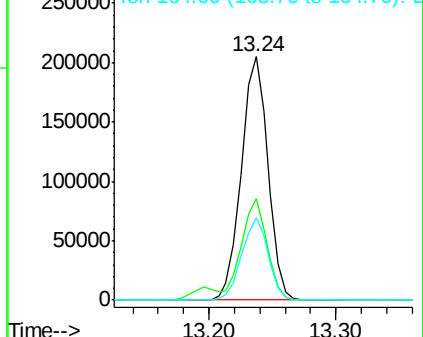
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 41.9  | 33.5  | 50.3  |
| 164 | 33.8  | 27.0  | 40.6  |

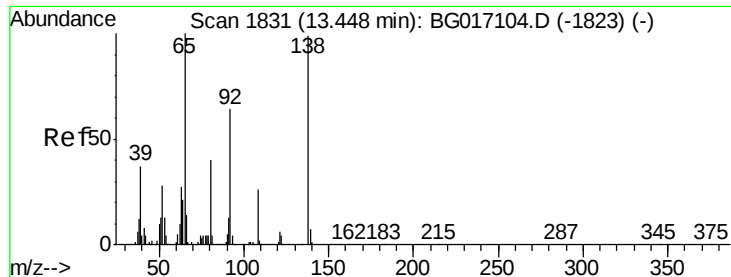


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

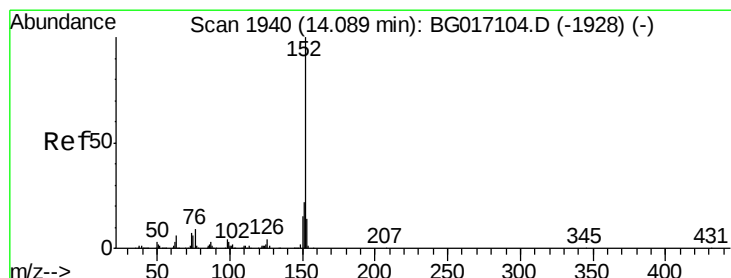
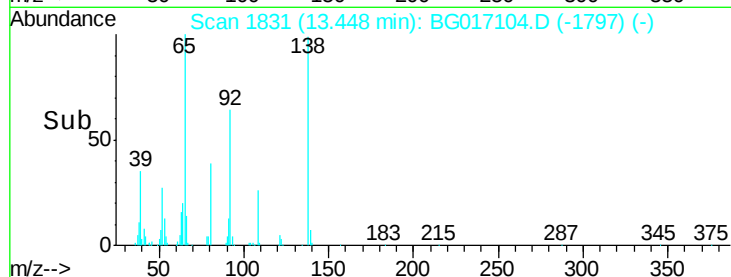
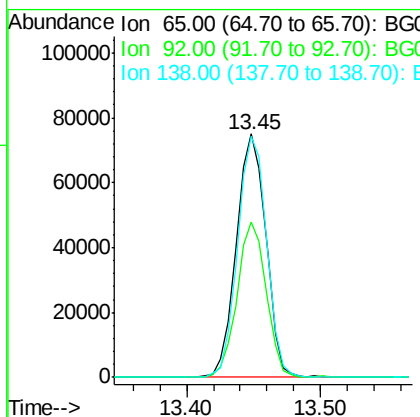
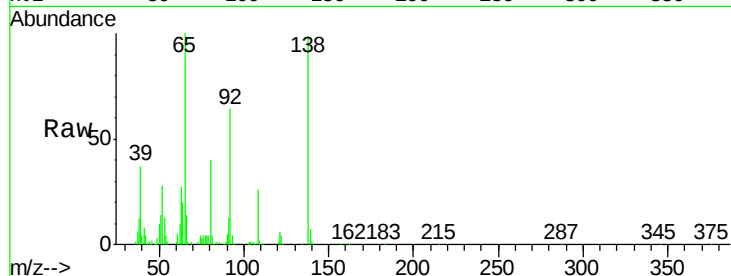




#47  
2-Nitroaniline  
Concen: 44.64 ng  
RT: 13.45 min Scan# 1831  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

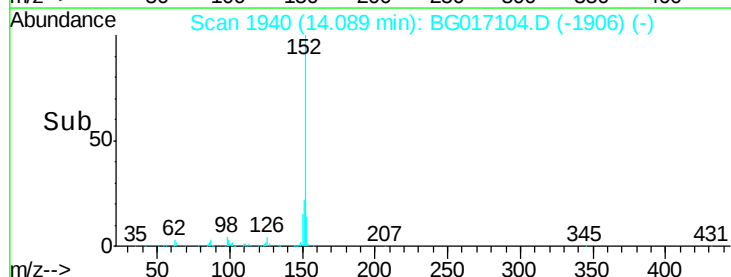
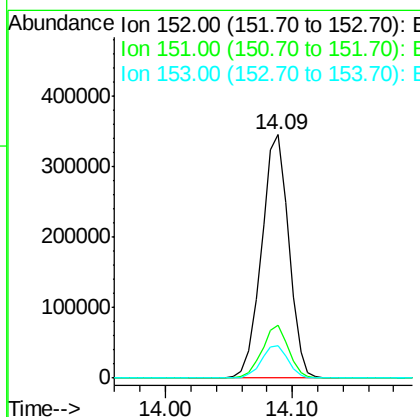
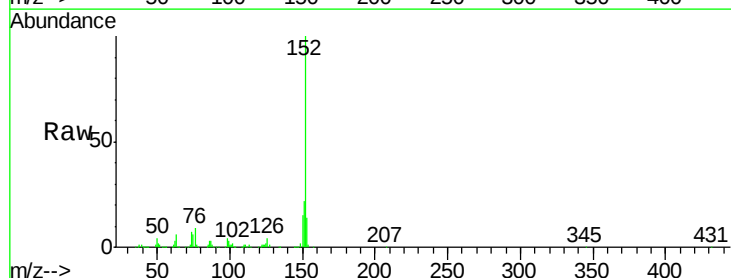
Instrument :  
BNA\_G  
ClientSampleId :

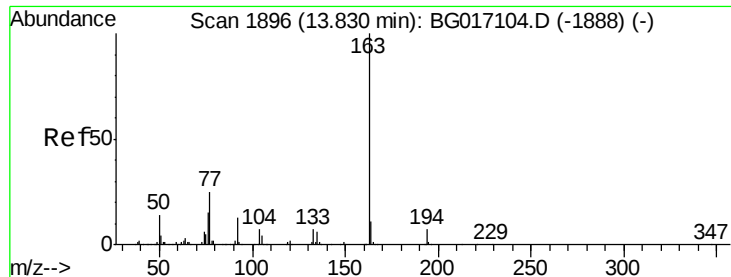
Tot Ion: 65 Resp: 114775  
Ion Ratio Lower Upper  
65 100  
92 63.7 51.0 76.4  
138 99.1 79.3 118.9



#48  
Acenaphthylene  
Concen: 40.70 ng  
RT: 14.09 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion: 152 Resp: 516510  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.2 25.8  
153 13.5 10.8 16.2

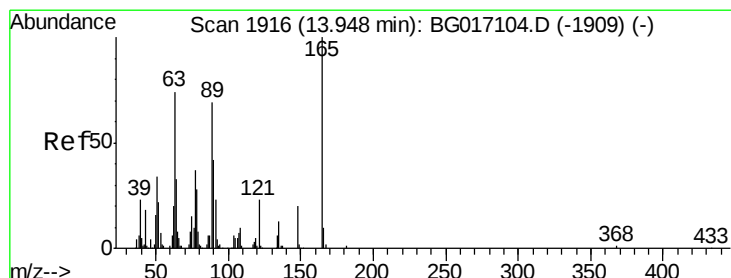
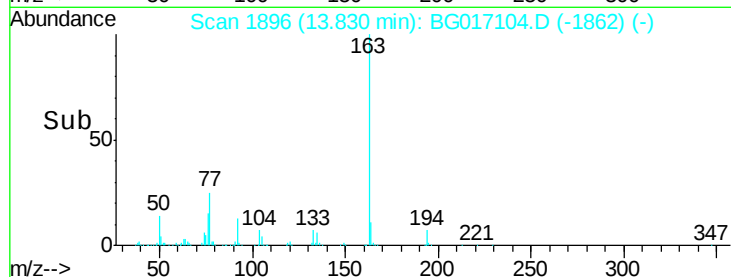
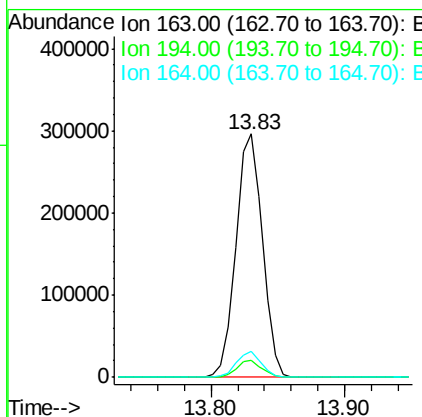
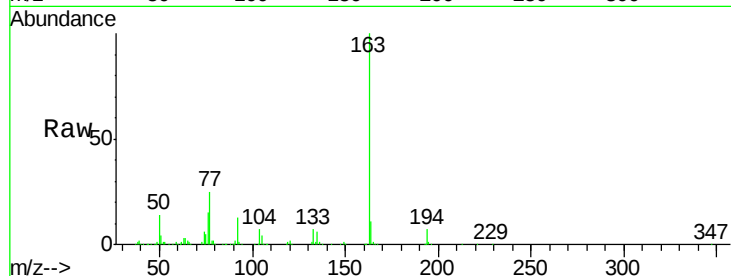




#49  
Dimethylphthalate  
Concen: 42.14 ng  
RT: 13.83 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

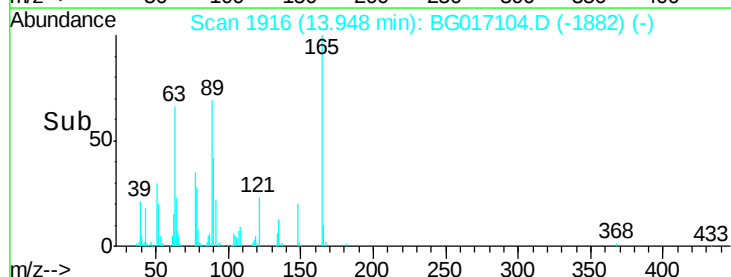
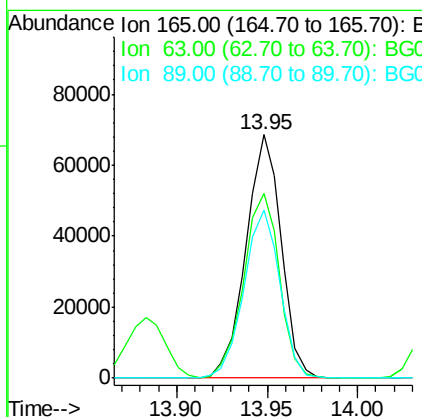
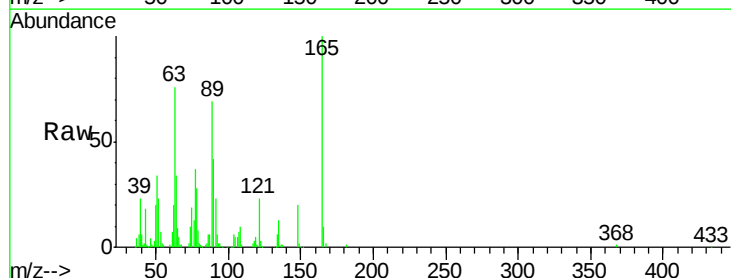
Instrument :  
BNA\_G  
ClientSampleId :

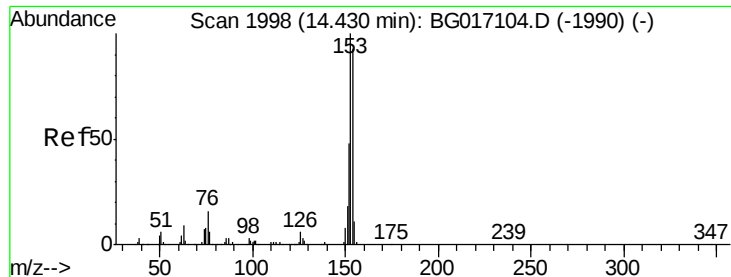
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 7.0   | 5.6   | 8.4   |
| 164     | 10.8  | 8.6   | 13.0  |



#50  
2,6-Dinitrotoluene  
Concen: 45.95 ng  
RT: 13.95 min Scan# 1916  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 75.7  | 60.6  | 90.8  |
| 89      | 68.8  | 55.0  | 82.6  |





#51

Acenaphthene

Concen: 39.73 ng

RT: 14.43 min Scan# 1998

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

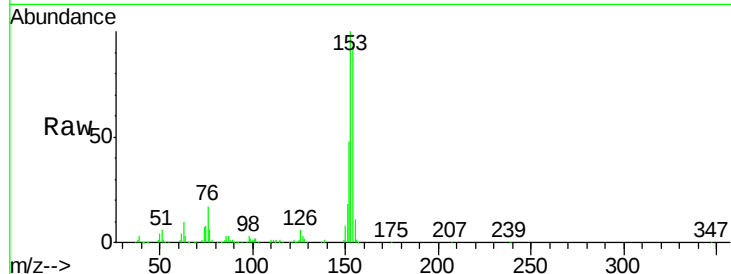
Tot Ion:154 Resp: 299189

Ion Ratio Lower Upper

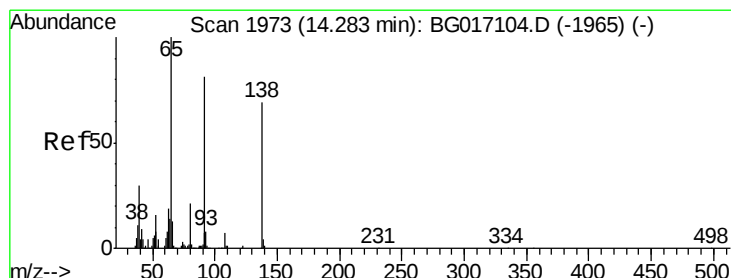
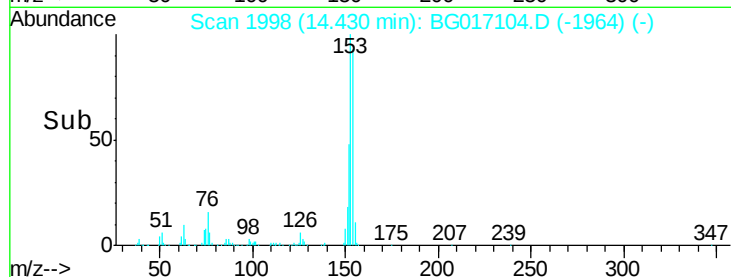
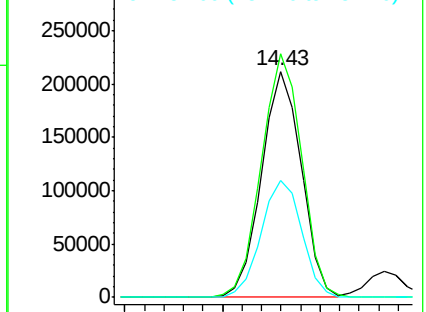
154 100

153 107.8 86.2 129.4

152 51.9 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: 44.29 ng

RT: 14.28 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

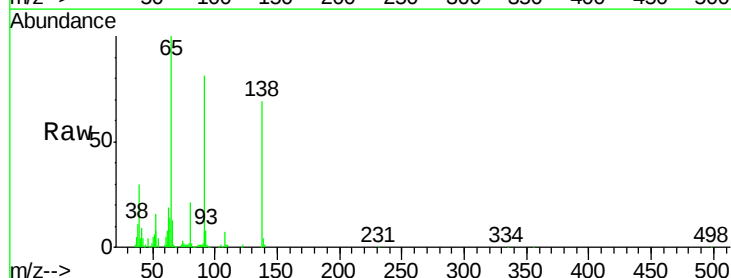
Tgt Ion:138 Resp: 101120

Ion Ratio Lower Upper

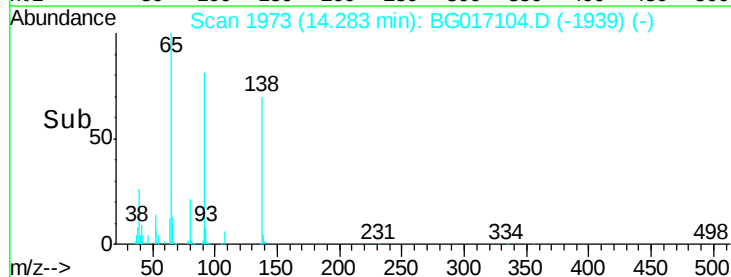
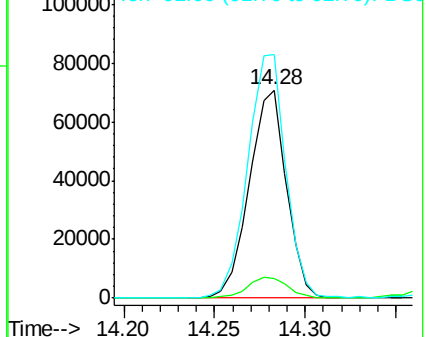
138 100

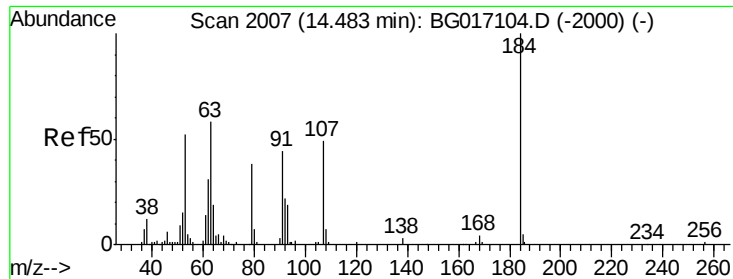
108 9.5 7.6 11.4

92 117.0 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): BGO

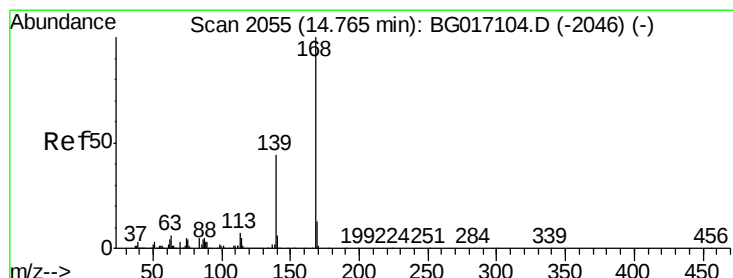
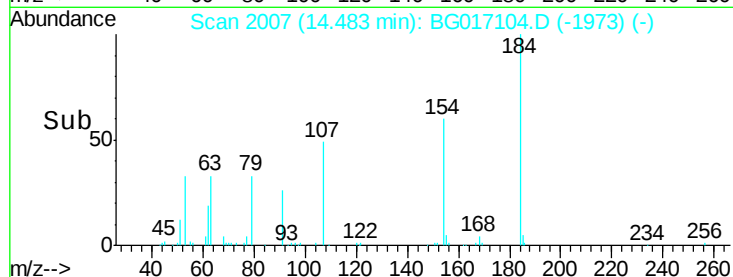
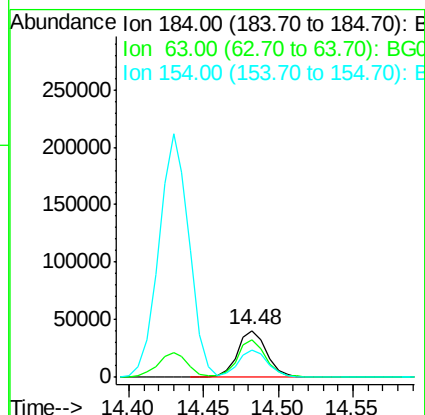
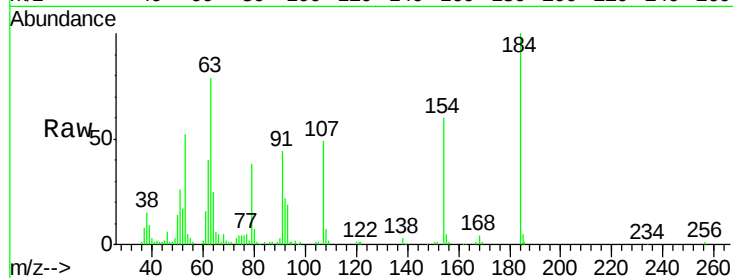




#53  
2,4-Dinitrophenol  
Concen: 55.80 ng  
RT: 14.48 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

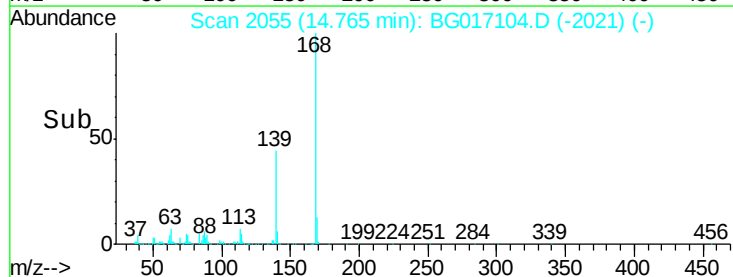
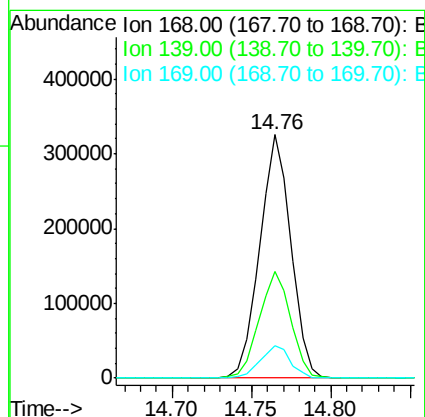
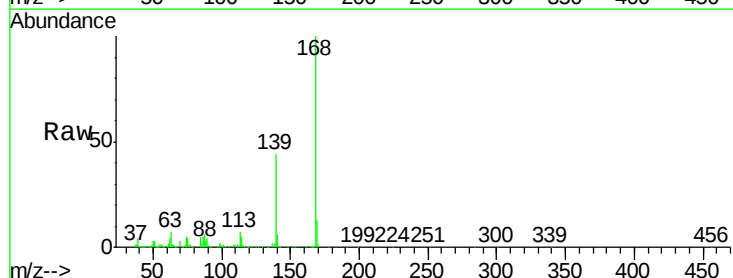
Instrument :  
BNA\_G  
ClientSampled :

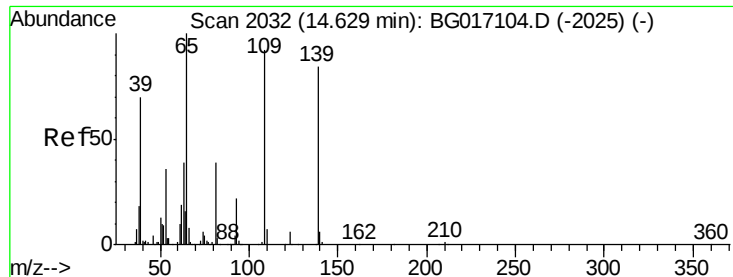
Tot Ion:184 Resp: 55668  
Ion Ratio Lower Upper  
184 100  
63 79.5 63.6 95.4  
154 59.7 47.8 71.6



#54  
Dibenzofuran  
Concen: 41.47 ng  
RT: 14.76 min Scan# 2055  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:168 Resp: 445542  
Ion Ratio Lower Upper  
168 100  
139 43.6 34.9 52.3  
169 13.1 10.5 15.7

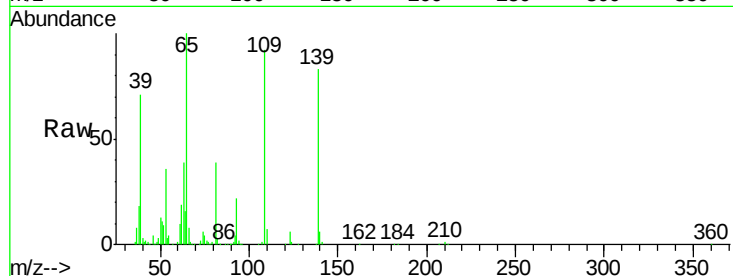




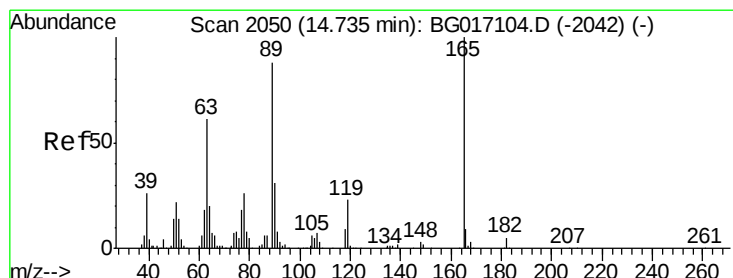
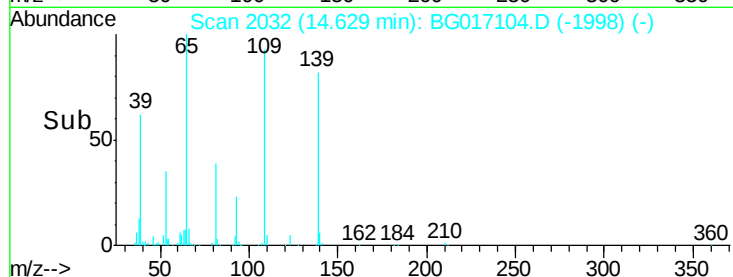
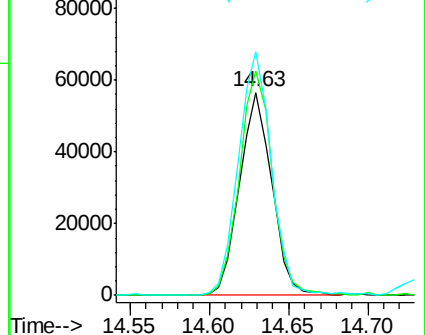
#55  
4-Nitrophenol  
Concen: 41.36 ng  
RT: 14.63 min Scan# 2032  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 79770  
Ion Ratio Lower Upper  
139 100  
109 110.5 90.5 130.5  
65 119.9 99.9 139.9

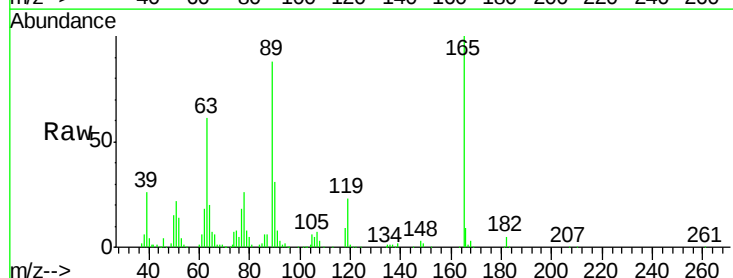


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

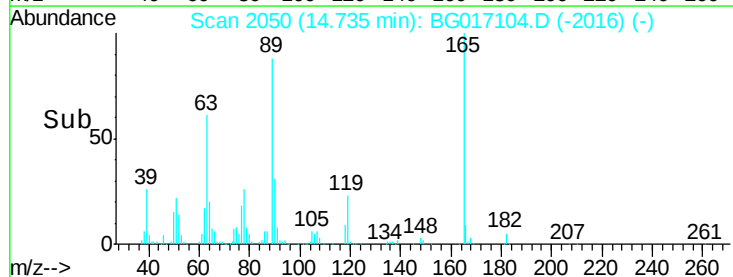
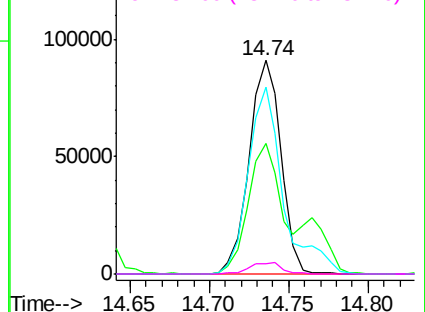


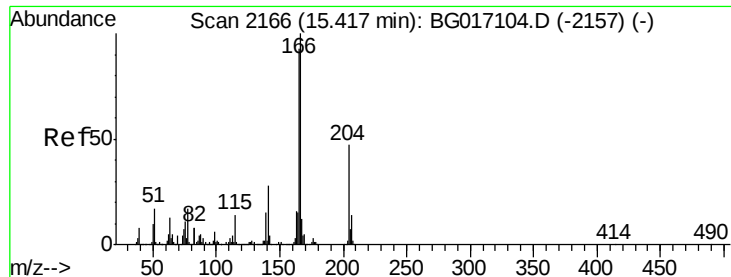
#56  
2,4-Dinitrotoluene  
Concen: 48.38 ng  
RT: 14.74 min Scan# 2050  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:165 Resp: 126844  
Ion Ratio Lower Upper  
165 100  
63 61.2 49.0 73.4  
89 87.6 70.1 105.1  
182 4.9 3.9 5.9



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

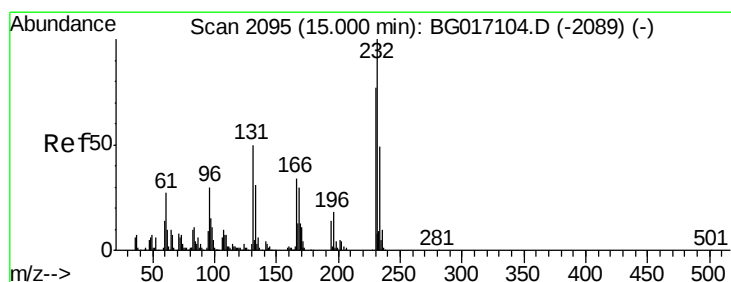
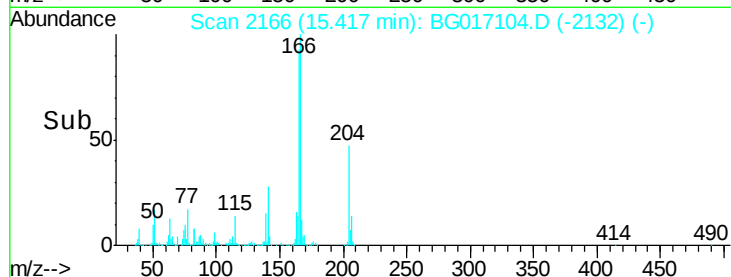
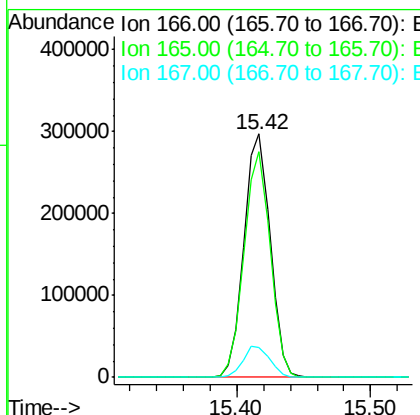
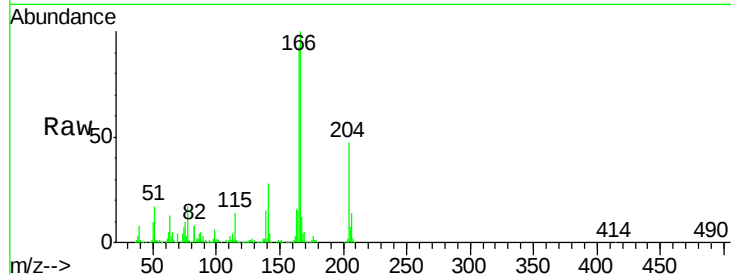




#57  
**Fluorene**  
 Concen: 42.07 ng  
 RT: 15.42 min Scan# 2166  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

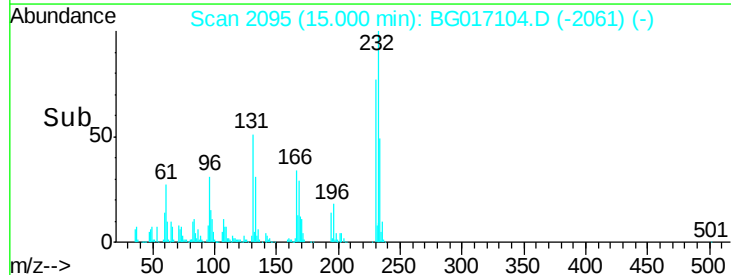
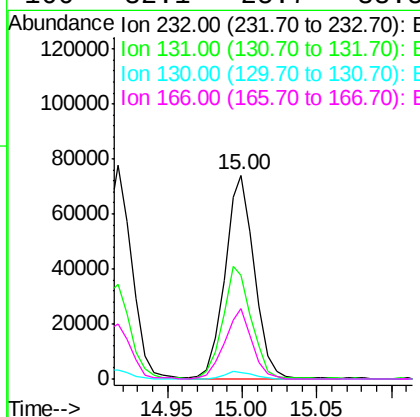
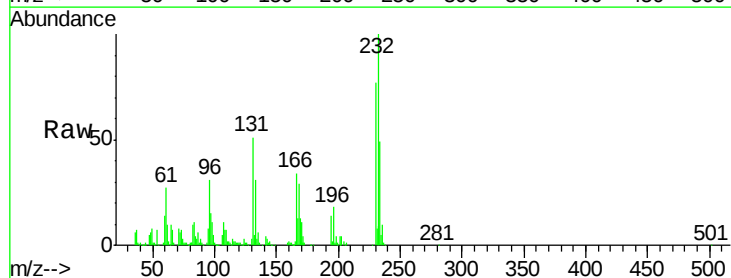
Instrument :  
 BNA\_G  
 ClientSampleId :

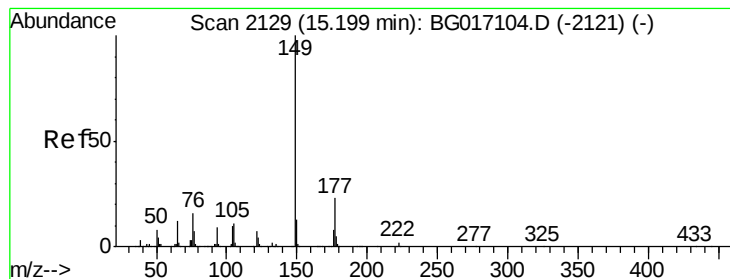
Tot Ion:166 Resp: 401776  
 Ion Ratio Lower Upper  
 166 100  
 165 92.8 74.2 111.4  
 167 12.3 9.8 14.8



#58  
**2,3,4,6-Tetrachlorophenol**  
 Concen: 44.50 ng  
 RT: 15.00 min Scan# 2095  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Tgt Ion:232 Resp: 101352  
 Ion Ratio Lower Upper  
 232 100  
 131 53.4 42.7 64.1  
 130 3.7 3.0 4.4  
 166 32.1 25.7 38.5





#59

Diethylphthalate

Concen: 42.18 ng

RT: 15.20 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

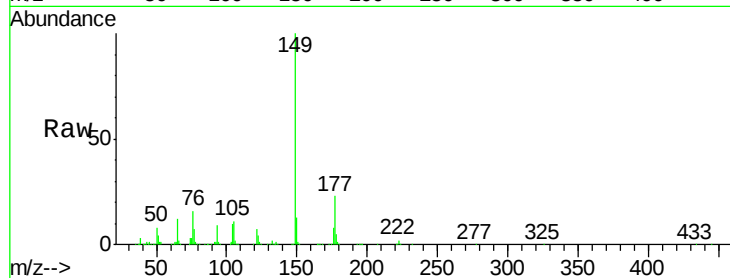
Tot Ion:149 Resp: 430410

Ion Ratio Lower Upper

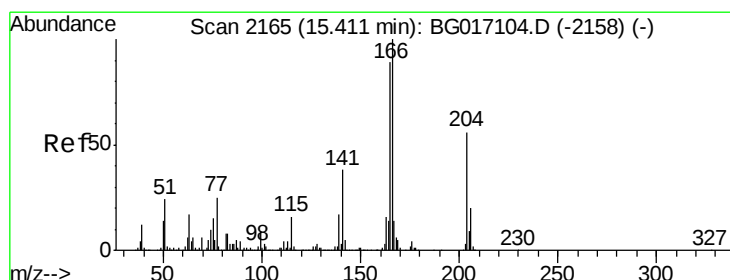
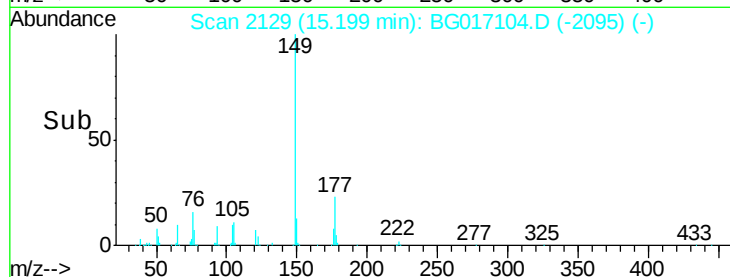
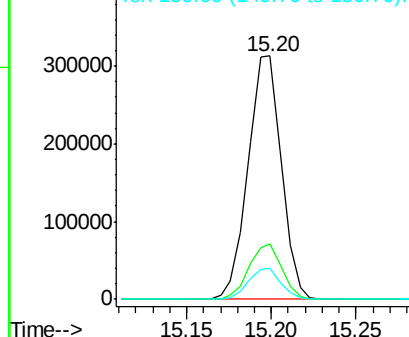
149 100

177 22.9 18.3 27.5

150 13.0 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 42.71 ng

RT: 15.41 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

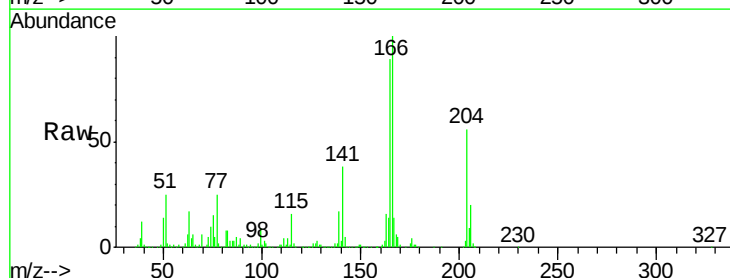
Tgt Ion:204 Resp: 206221

Ion Ratio Lower Upper

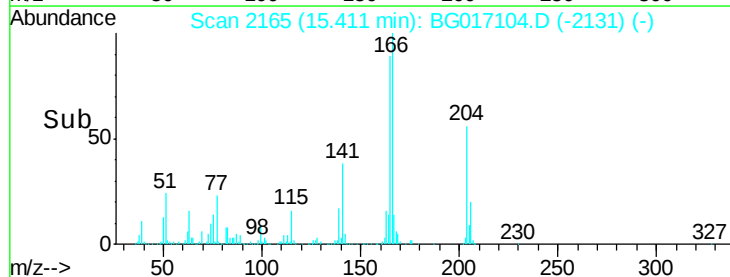
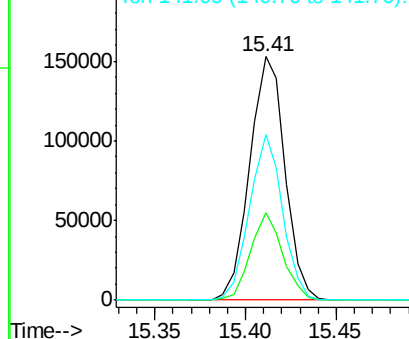
204 100

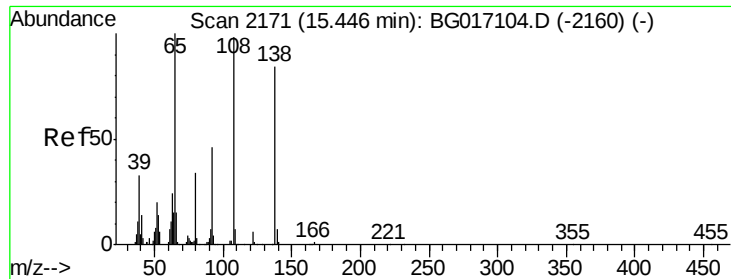
206 35.7 28.6 42.8

141 67.7 54.2 81.2



Abundance Ion 204.00 (203.70 to 204.70): E  
Ion 206.00 (205.70 to 206.70): E  
Ion 141.00 (140.70 to 141.70): E

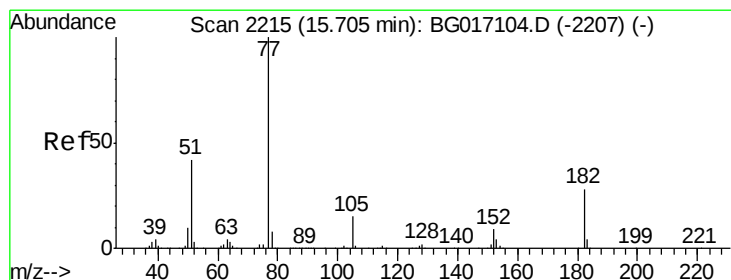
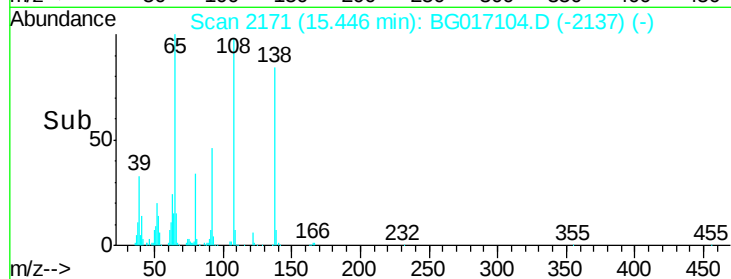
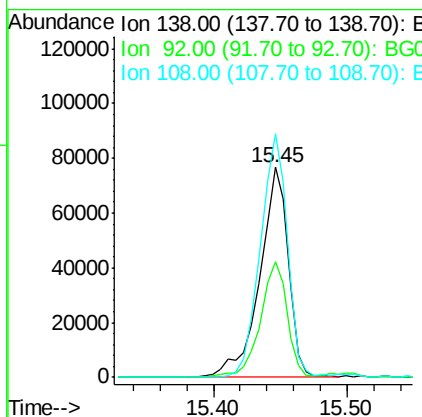
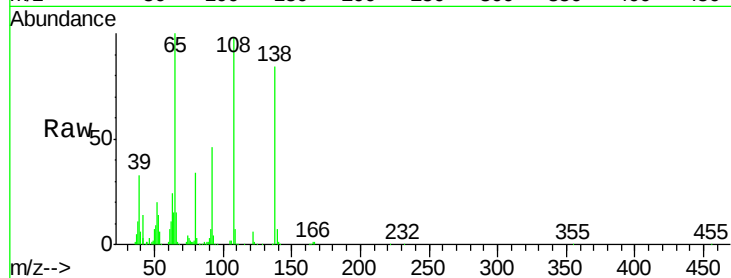




#61  
4-Nitroaniline  
Concen: 42.99 ng  
RT: 15.45 min Scan# 2171  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

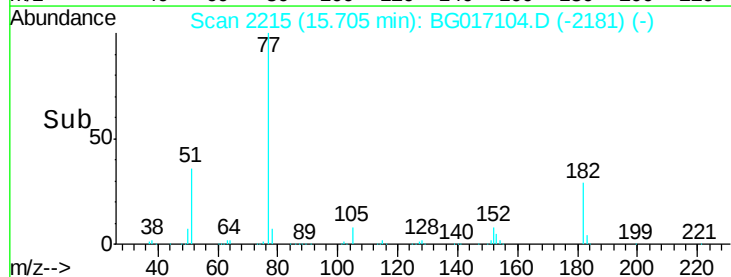
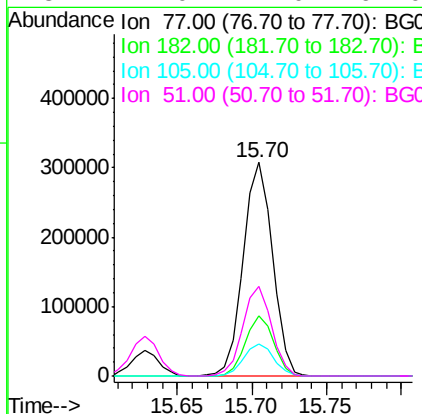
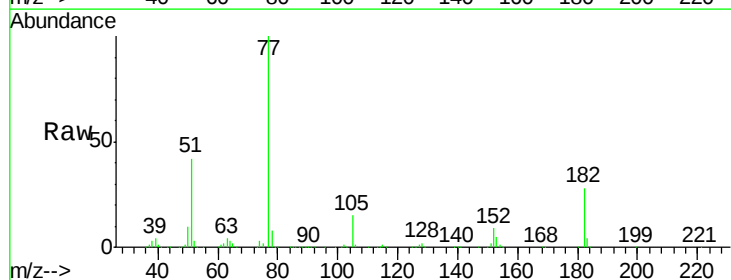
Instrument :  
BNA\_G  
ClientSampleId :

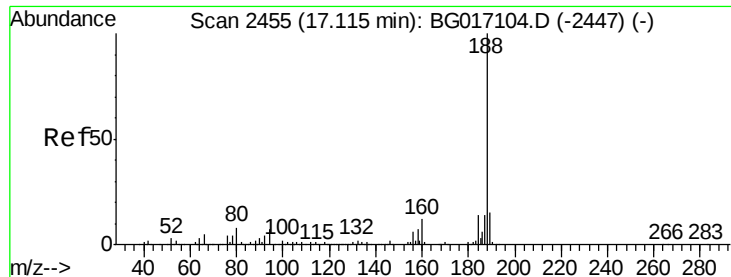
Tot Ion:138 Resp: 113809  
Ion Ratio Lower Upper  
138 100  
92 54.9 34.9 74.9  
108 115.8 95.8 135.8



#62  
Azobenzene  
Concen: 39.94 ng  
RT: 15.70 min Scan# 2215  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion: 77 Resp: 418253  
Ion Ratio Lower Upper  
77 100  
182 28.1 8.1 48.1  
105 14.8 0.0 34.8  
51 42.0 22.0 62.0

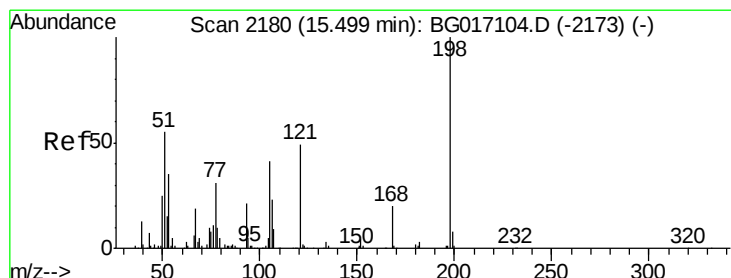
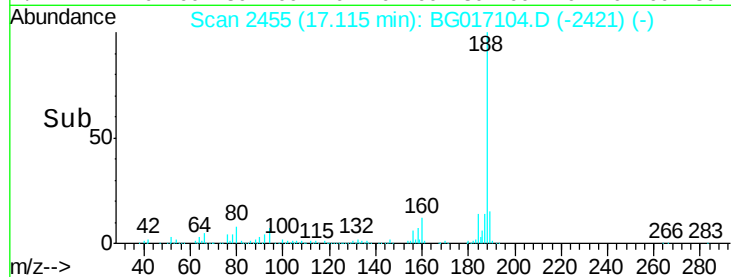
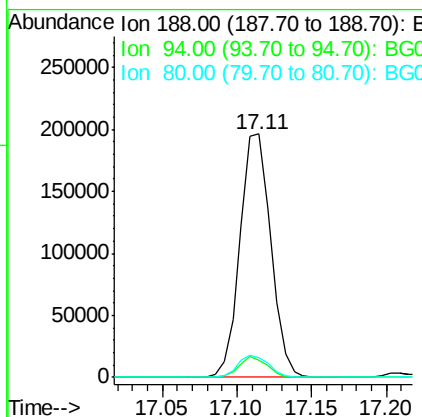
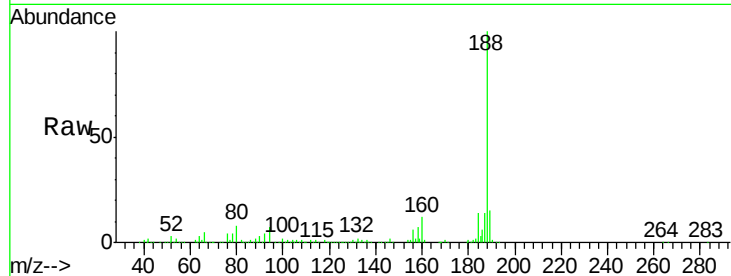




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.11 min Scan# 2455  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

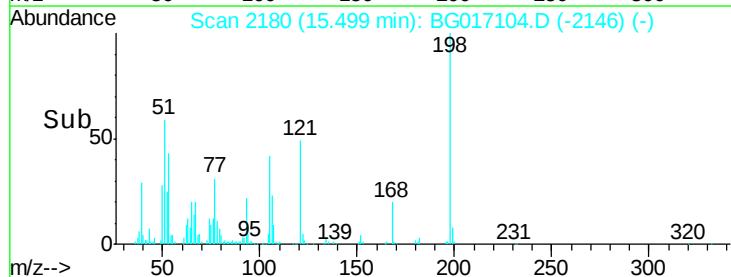
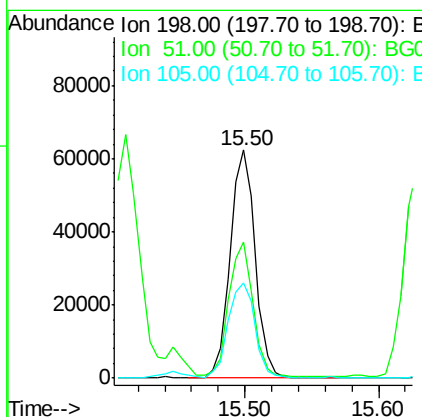
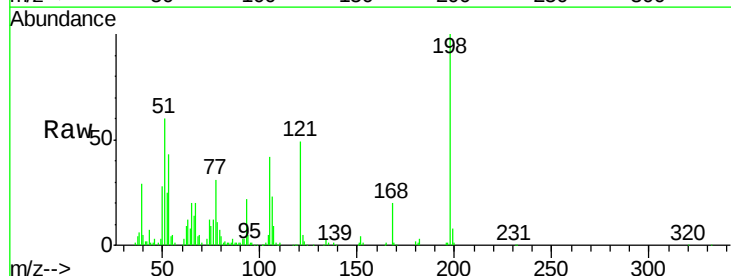
Instrument :  
BNA\_G  
ClientSampleId :

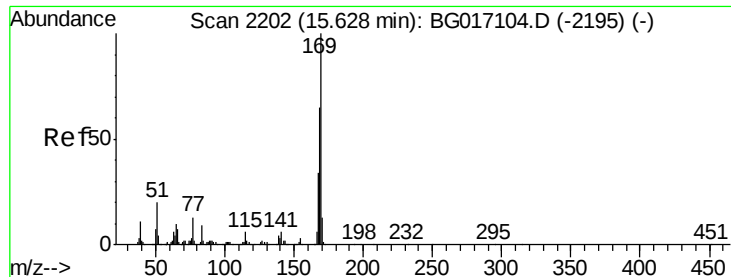
Tot Ion:188 Resp: 281684  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.8 8.6  
80 8.1 6.5 9.7



#64  
4,6-Dinitro-2-methylphenol  
Concen: 53.84 ng  
RT: 15.50 min Scan# 2180  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:198 Resp: 81871  
Ion Ratio Lower Upper  
198 100  
51 59.9 39.9 79.9  
105 42.0 22.0 62.0

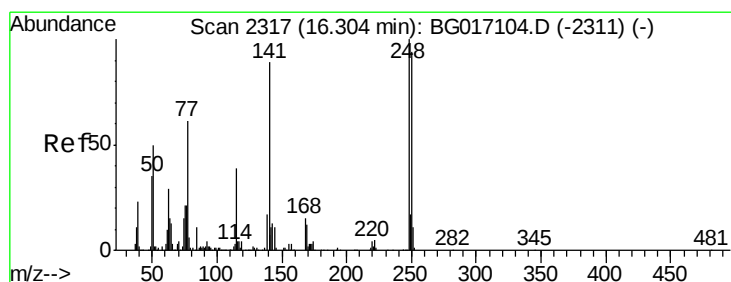
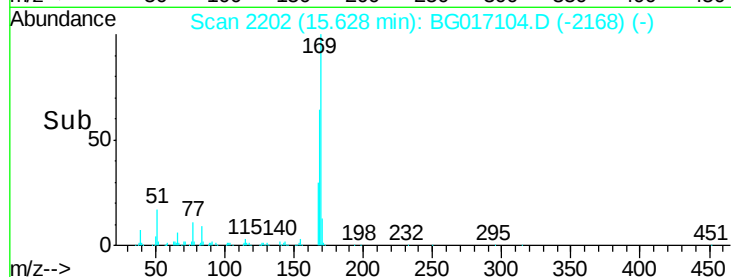
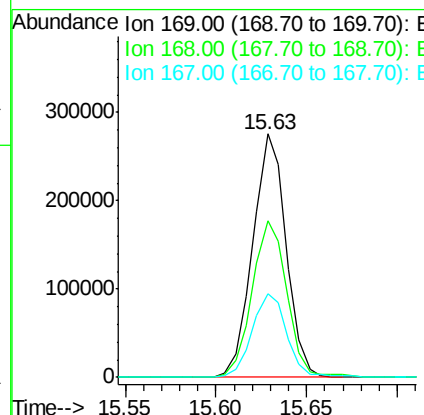
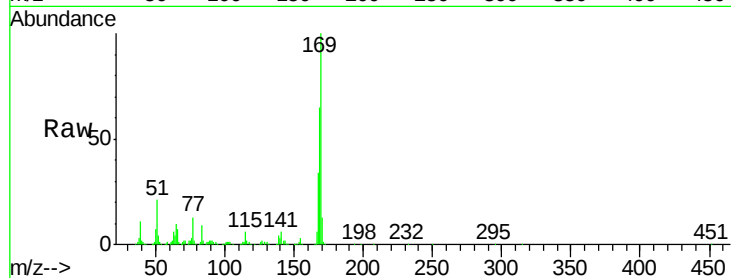




#65  
 n-Nitrosodiphenylamine  
 Concen: 40.70 ng  
 RT: 15.63 min Scan# 2202  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

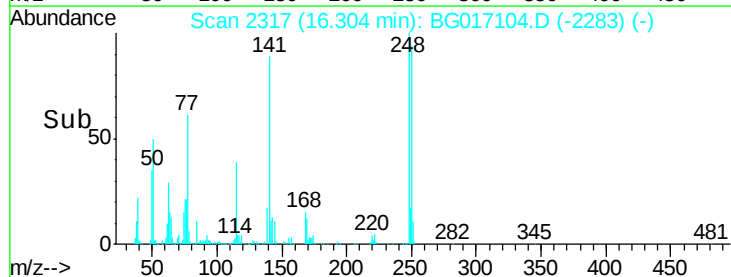
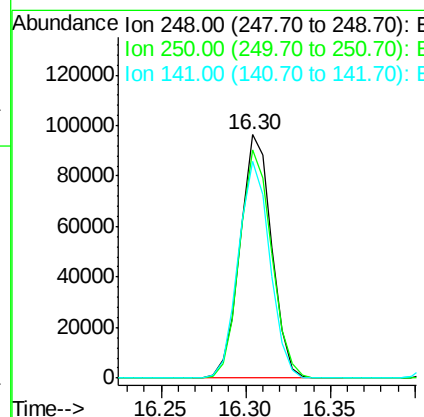
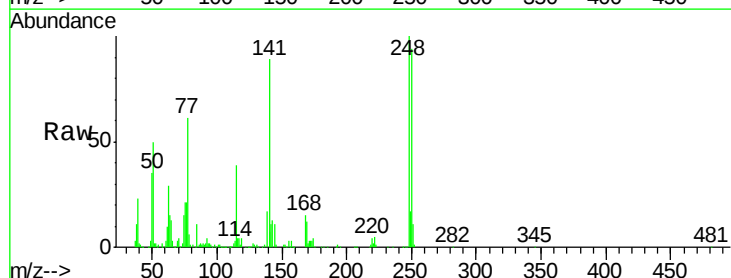
Instrument :  
 BNA\_G  
 ClientSampleId :

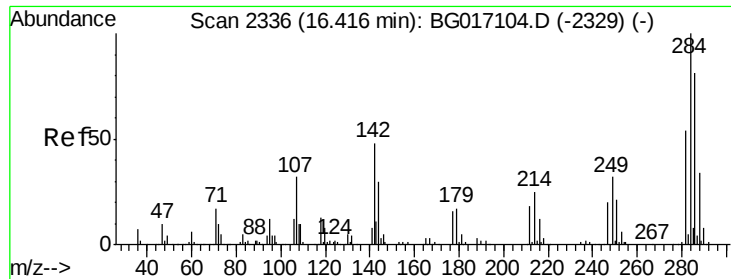
Tot Ion:169 Resp: 354811  
 Ion Ratio Lower Upper  
 169 100  
 168 64.6 51.7 77.5  
 167 34.2 27.4 41.0



#66  
 4-Bromophenyl-phenylether  
 Concen: 43.18 ng  
 RT: 16.30 min Scan# 2317  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Tgt Ion:248 Resp: 125100  
 Ion Ratio Lower Upper  
 248 100  
 250 93.7 75.0 112.4  
 141 89.1 71.3 106.9

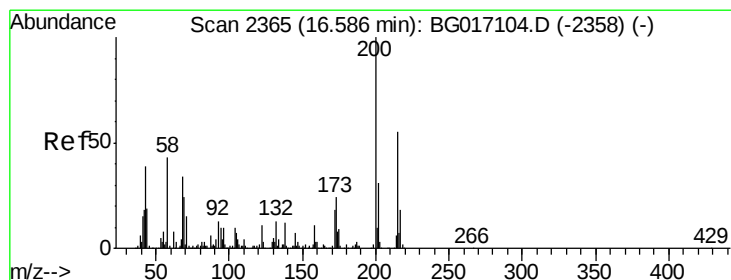
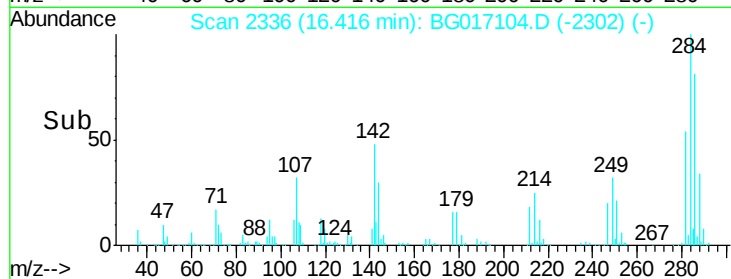
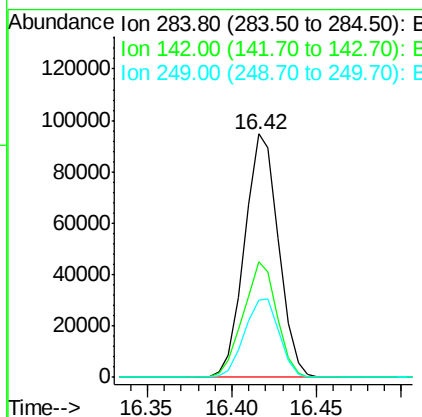
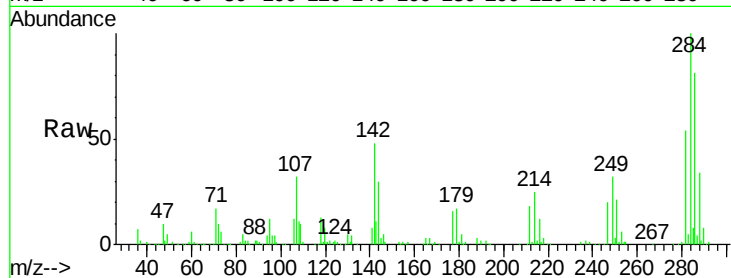




#67  
Hexachlorobenzene  
Concen: 43.27 ng  
RT: 16.42 min Scan# 2336  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

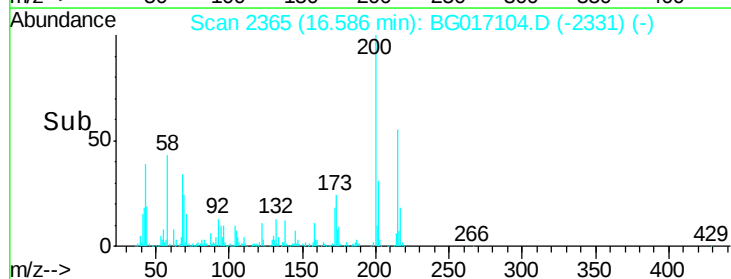
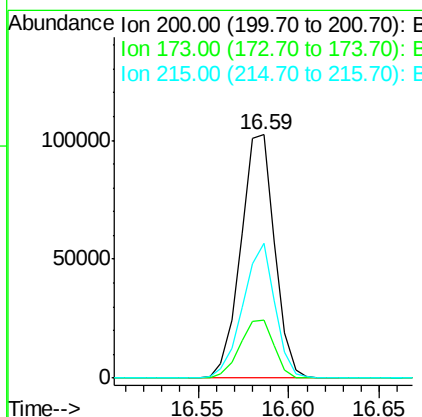
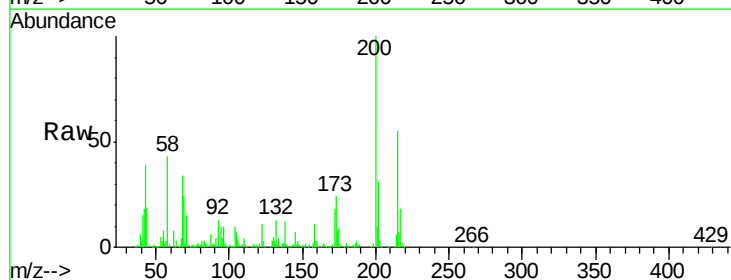
Instrument :  
BNA\_G  
ClientSampleId :

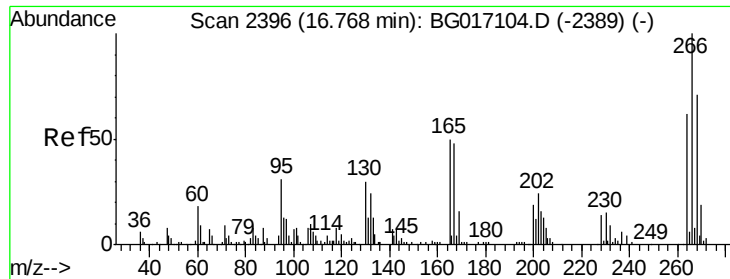
Tot Ion:284 Resp: 132465  
Ion Ratio Lower Upper  
284 100  
142 47.7 38.2 57.2  
249 31.5 25.2 37.8



#68  
Atrazine  
Concen: 42.19 ng  
RT: 16.59 min Scan# 2365  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:200 Resp: 132722  
Ion Ratio Lower Upper  
200 100  
173 23.7 3.7 43.7  
215 55.5 35.5 75.5





#69

Pentachlorophenol

Concen: 42.97 ng

RT: 16.77 min Scan# 2396

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampleId :

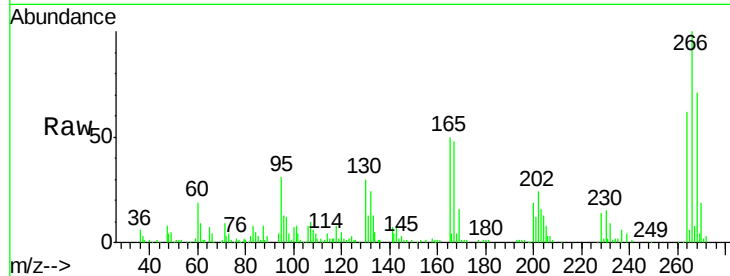
Tot Ion:266 Resp: 84936

Ion Ratio Lower Upper

266 100

268 70.7 56.6 84.8

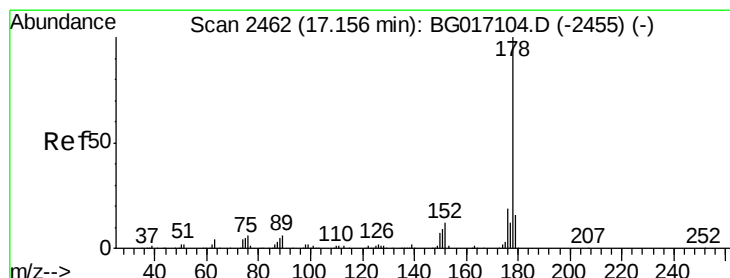
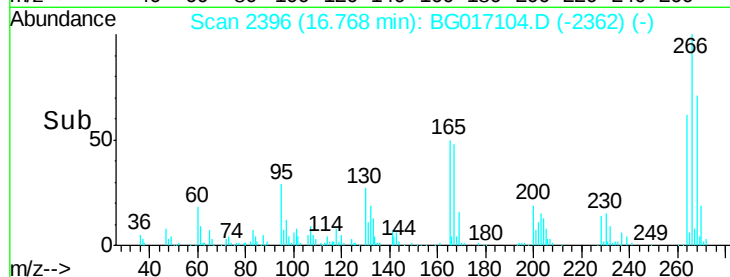
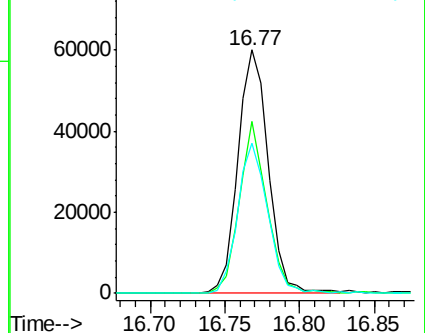
264 61.7 49.4 74.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 41.04 ng

RT: 17.16 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

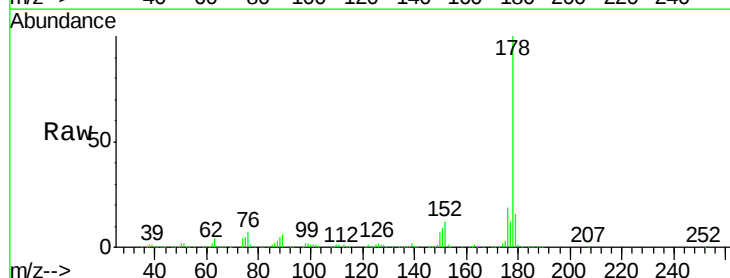
Tgt Ion:178 Resp: 603463

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

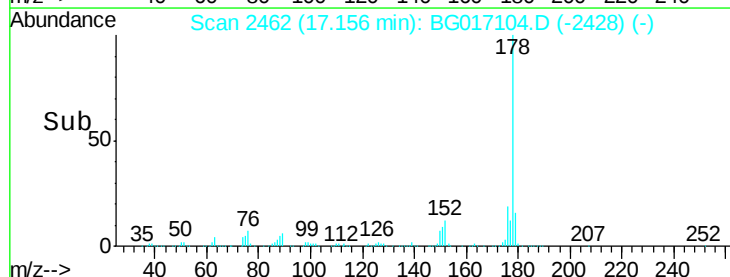
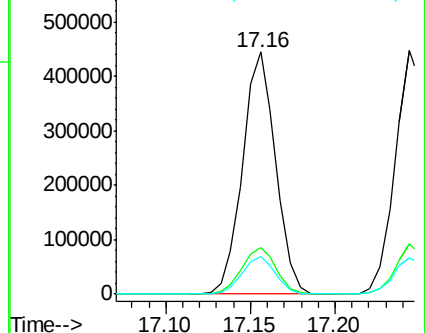
179 15.6 12.5 18.7

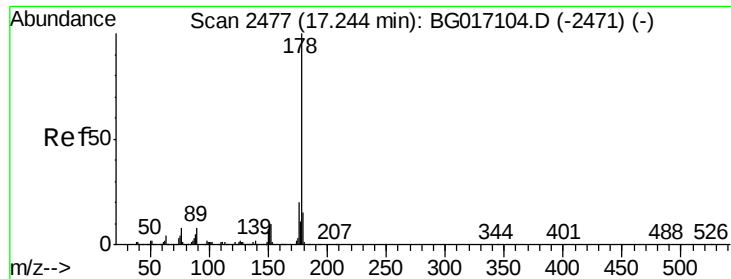


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 40.73 ng

RT: 17.24 min Scan# 2477

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampled :

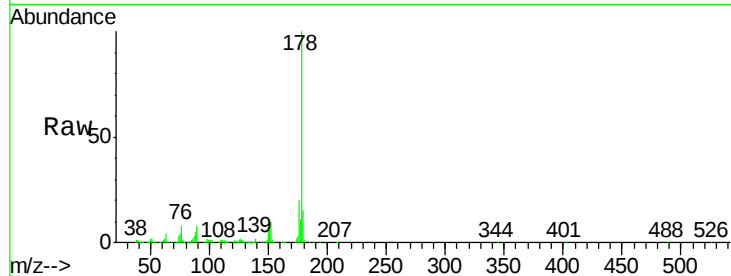
Tot Ion:178 Resp: 603607

Ion Ratio Lower Upper

178 100

176 20.4 16.3 24.5

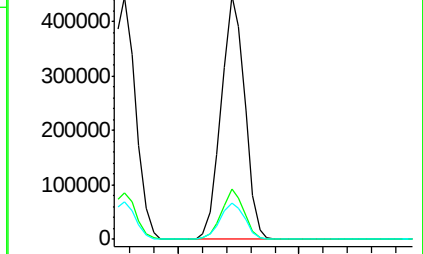
179 15.1 12.1 18.1



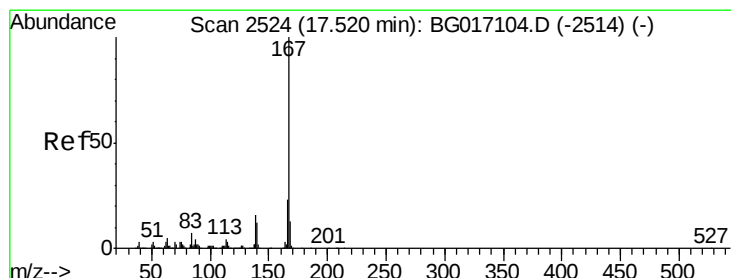
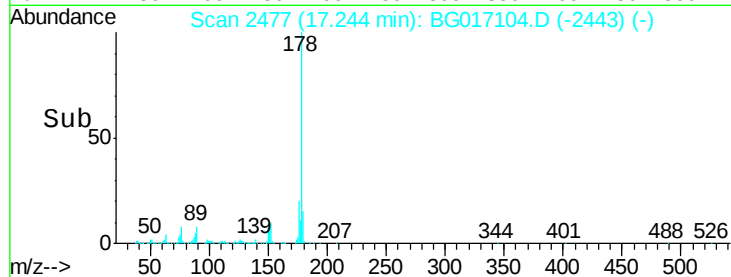
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 39.72 ng

RT: 17.52 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

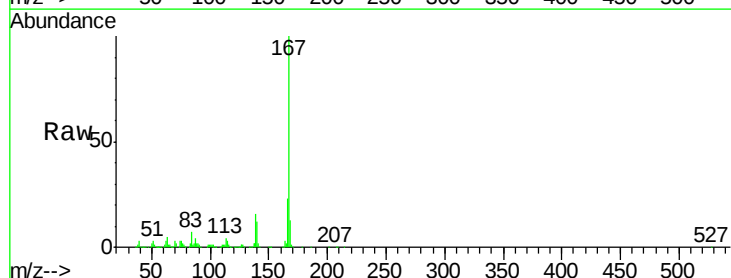
Tgt Ion:167 Resp: 555725

Ion Ratio Lower Upper

167 100

166 23.0 18.4 27.6

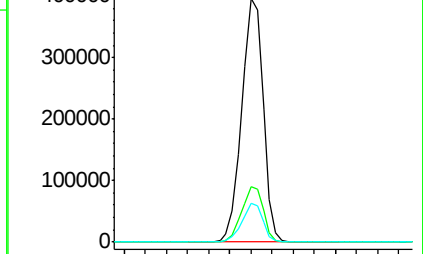
139 16.2 13.0 19.4



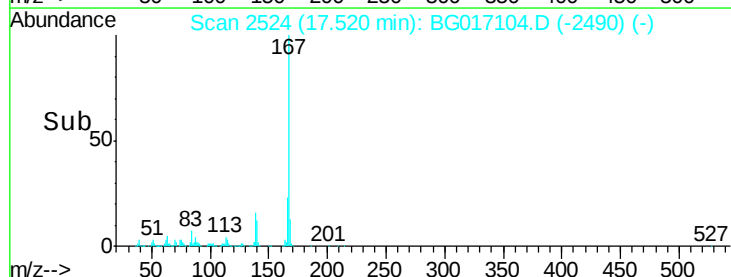
Abundance Ion 167.00 (166.70 to 167.70): E

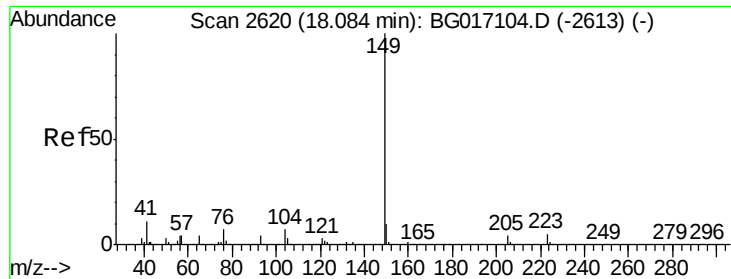
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->

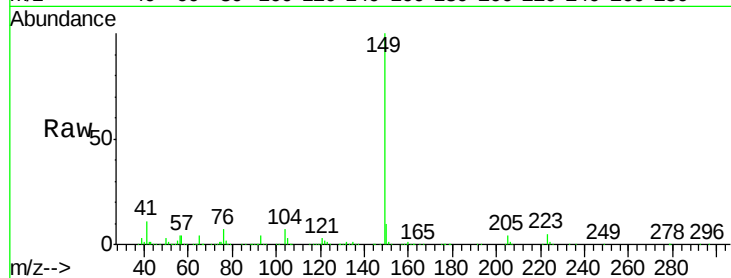




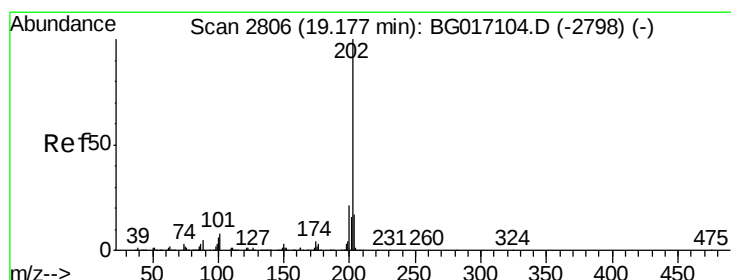
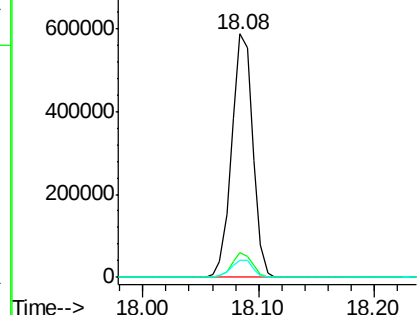
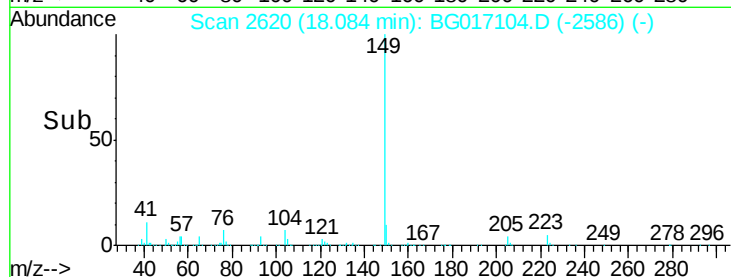
#73  
Di-n-butylphthalate  
Concen: 40.58 ng  
RT: 18.08 min Scan# 2620  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 10.3  | 8.2   | 12.4  |
| 104     | 7.1   | 5.7   | 8.5   |

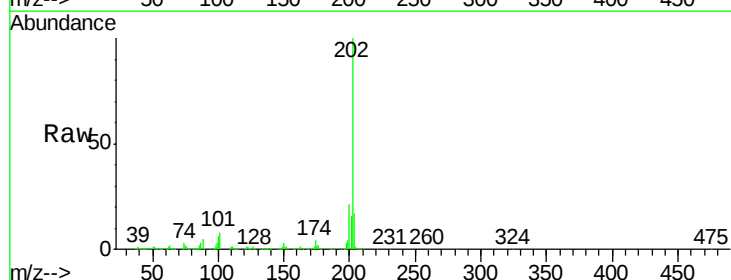


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E

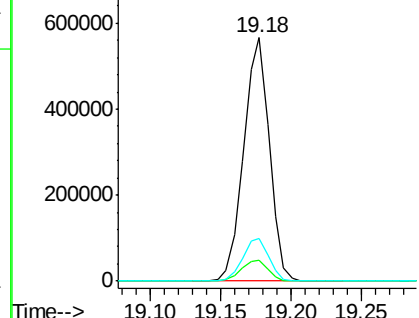
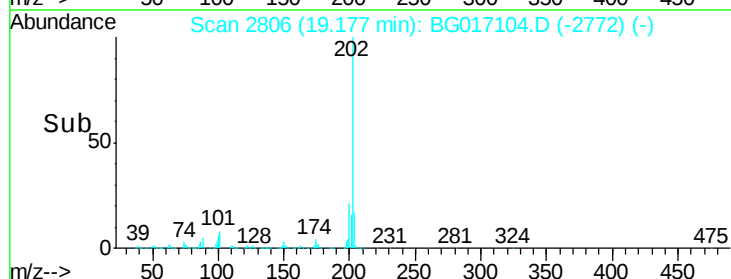


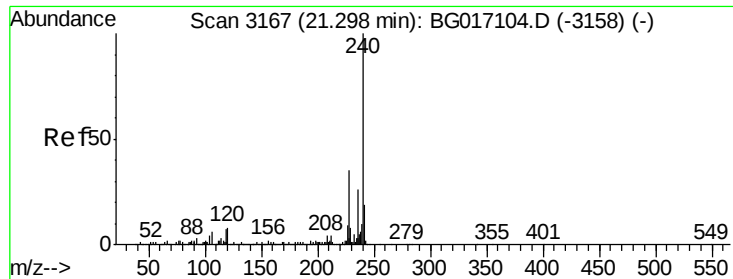
#74  
Fluoranthene  
Concen: 41.91 ng  
RT: 19.18 min Scan# 2806  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 8.3   | 0.0   | 28.3  |
| 203     | 17.4  | 0.0   | 37.4  |



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

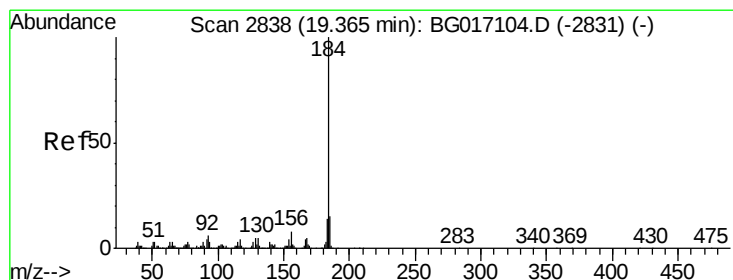
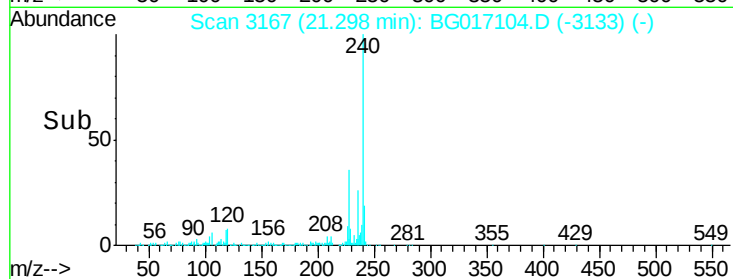
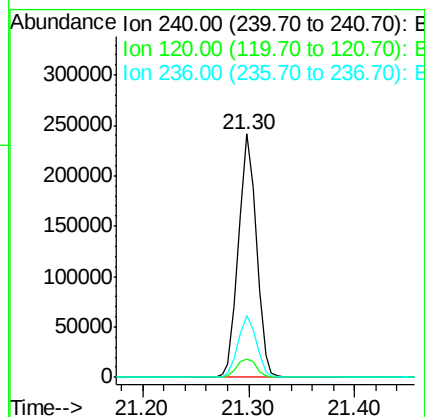
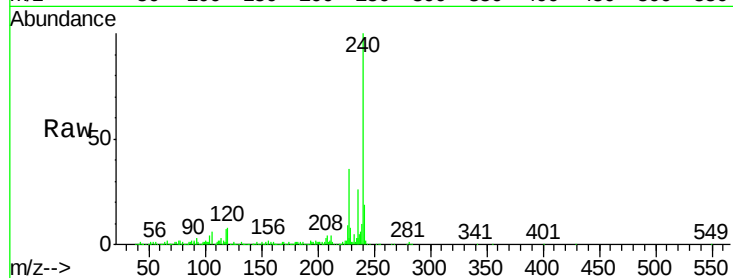




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.30 min Scan# 3167  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

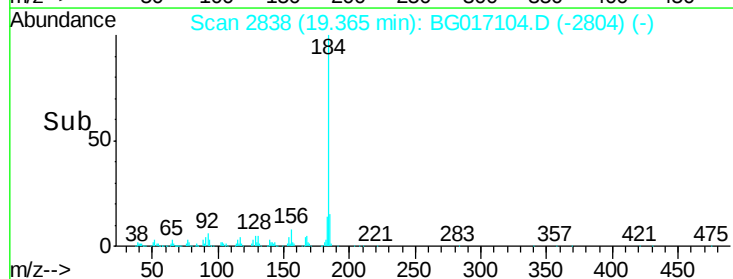
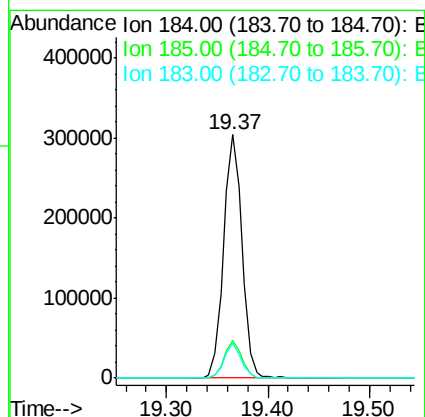
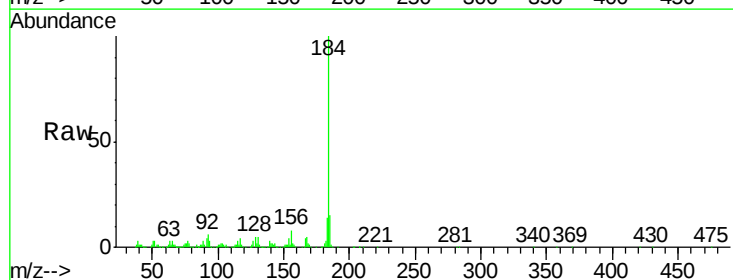
Instrument :  
BNA\_G  
ClientSampleId :

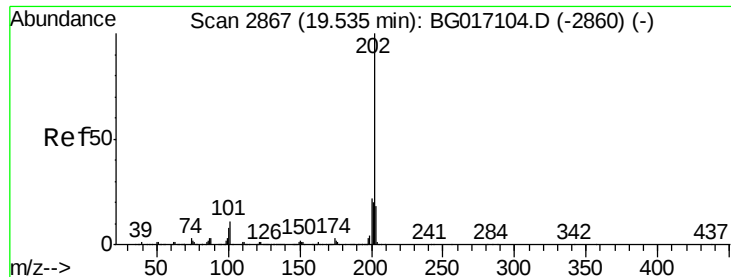
Tot Ion:240 Resp: 280440  
Ion Ratio Lower Upper  
240 100  
120 7.5 6.0 9.0  
236 25.6 20.5 30.7



#76  
Benzidine  
Concen: 40.20 ng  
RT: 19.37 min Scan# 2838  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:184 Resp: 384444  
Ion Ratio Lower Upper  
184 100  
185 15.5 12.4 18.6  
183 14.3 11.4 17.2

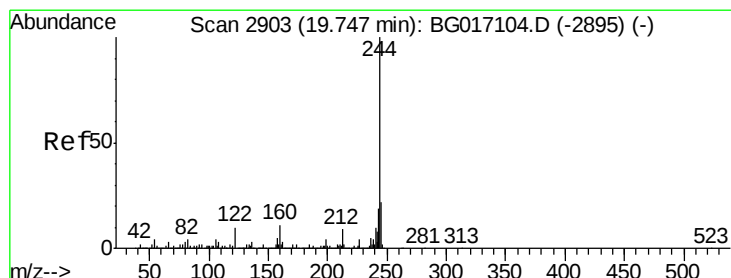
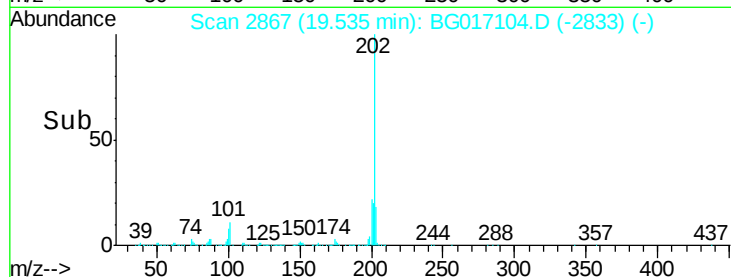
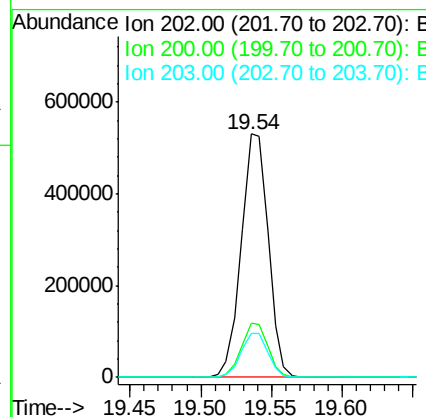
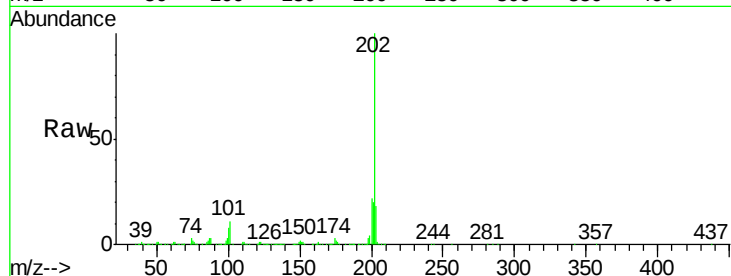




#77  
Pvrene  
Concen: 41.97 ng  
RT: 19.54 min Scan# 2867  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

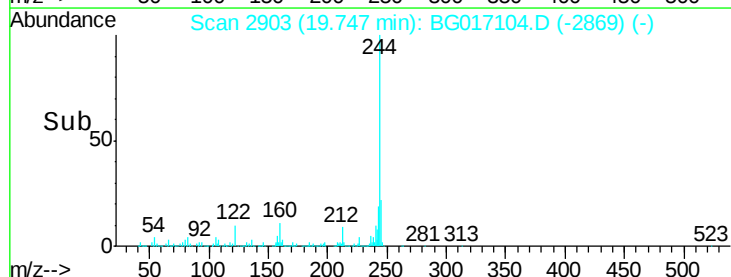
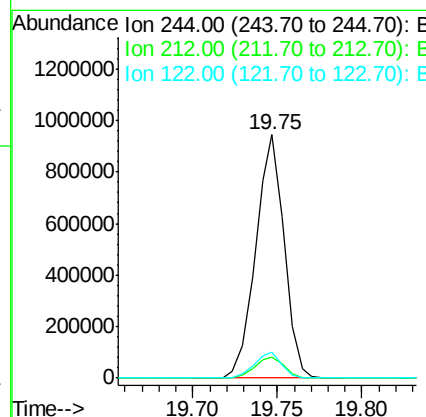
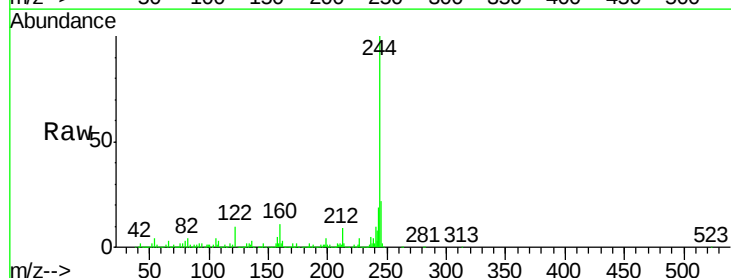
Instrument :  
BNA\_G  
ClientSampleId :

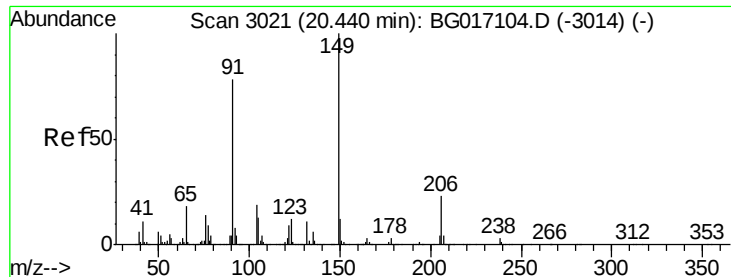
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.3  | 17.8  | 26.8  |
| 203     | 18.0  | 14.4  | 21.6  |



#78  
Terphenyl-d14  
Concen: 89.62 ng  
RT: 19.75 min Scan# 2903  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.7   | 7.0   | 10.4  |
| 122     | 10.5  | 8.4   | 12.6  |

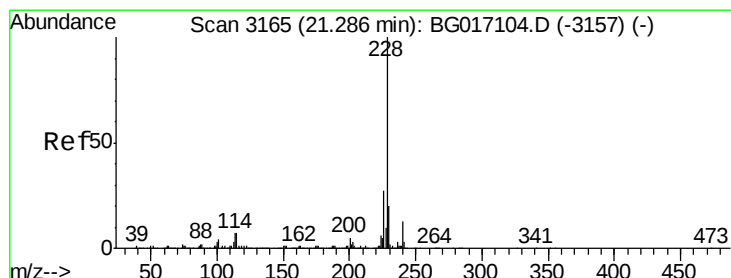
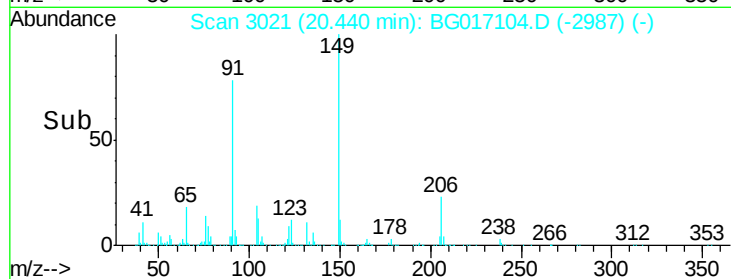
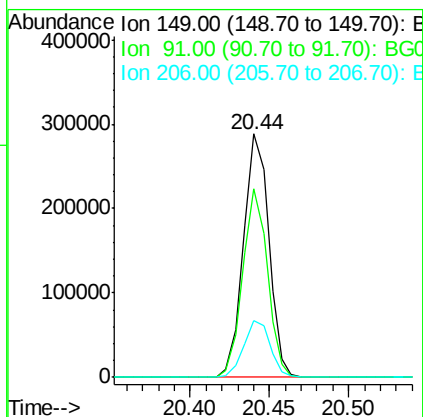
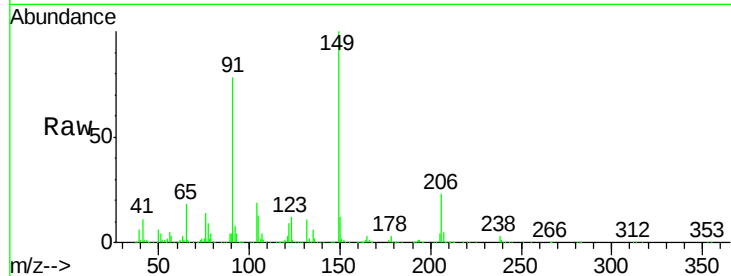




#79  
Butylbenzylphthalate  
Concen: 40.45 ng  
RT: 20.44 min Scan# 3021  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

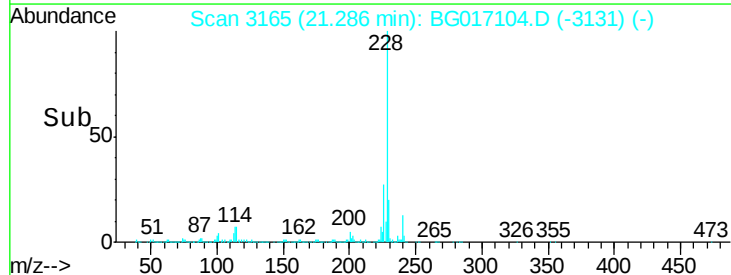
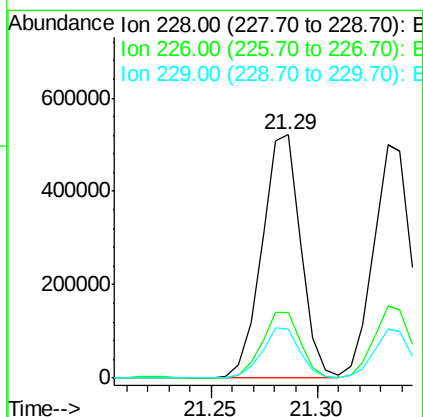
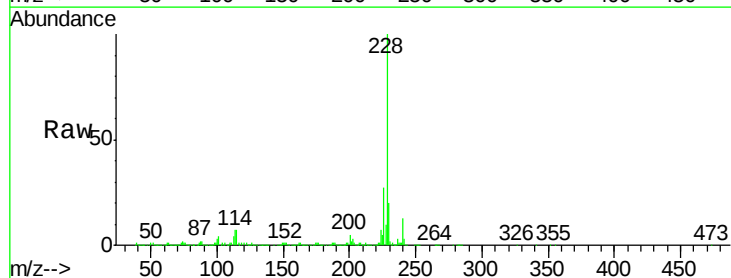
Instrument :  
BNA\_G  
ClientSampleId :

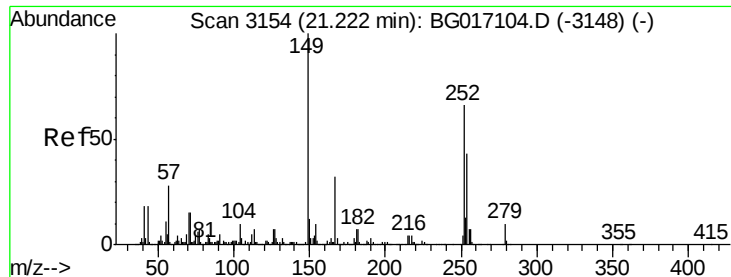
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 77.5  | 62.0  | 93.0  |
| 206     | 23.2  | 18.6  | 27.8  |



#80  
Benzo(a)anthracene  
Concen: 43.17 ng  
RT: 21.29 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.1  | 21.7  | 32.5  |
| 229     | 20.1  | 16.1  | 24.1  |

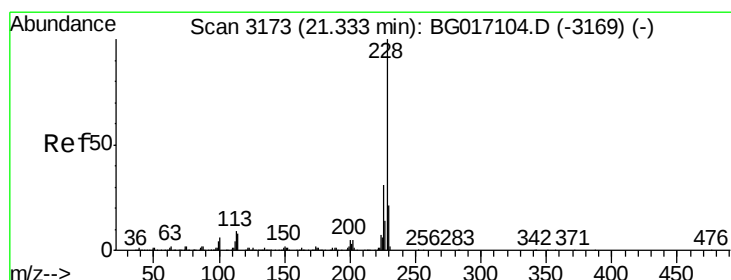
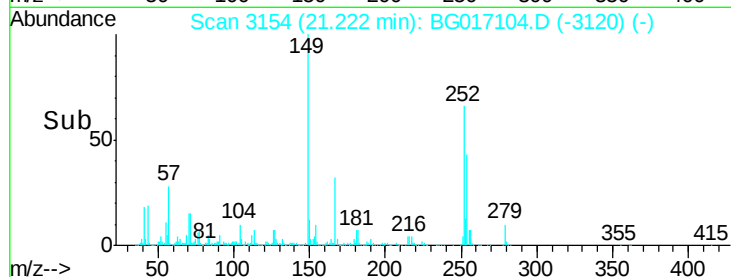
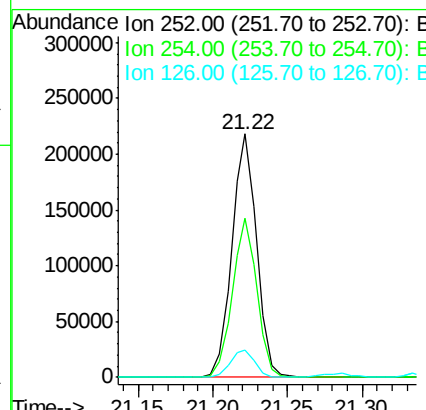
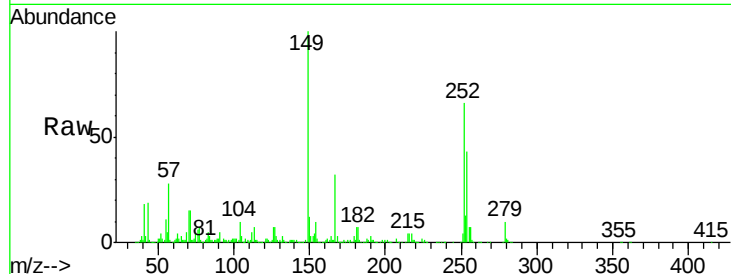




#81  
 3,3'-Dichlorobenzidine  
 Concen: 42.52 ng  
 RT: 21.22 min Scan# 3154  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

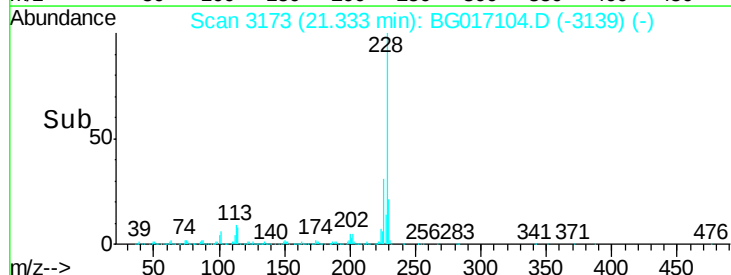
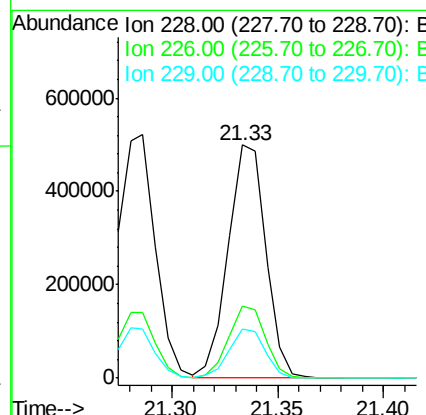
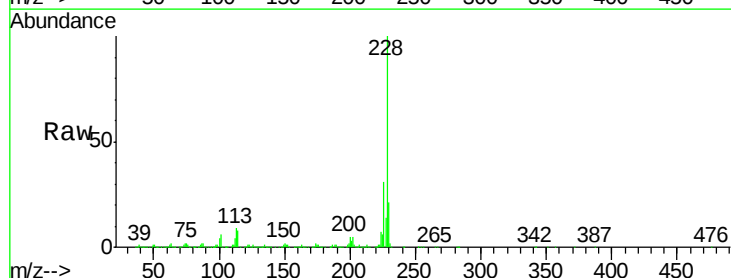
Instrument :  
 BNA\_G  
 ClientSampleId :

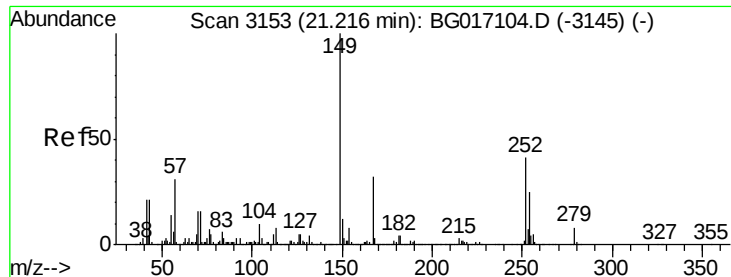
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.1  | 52.1  | 78.1  |
| 126     | 11.0  | 8.8   | 13.2  |



#82  
 Chrysene  
 Concen: 42.73 ng  
 RT: 21.33 min Scan# 3173  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 24.8  | 37.2  |
| 229     | 21.3  | 17.0  | 25.6  |

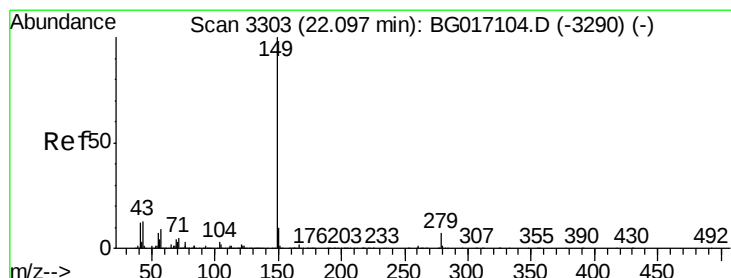
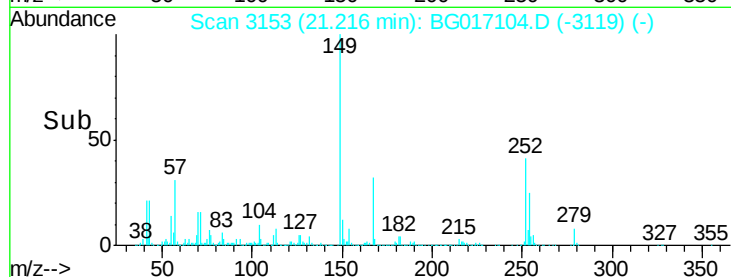
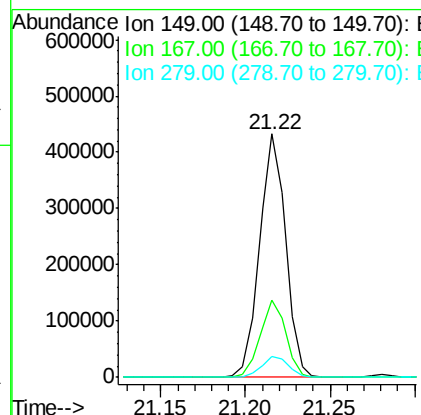
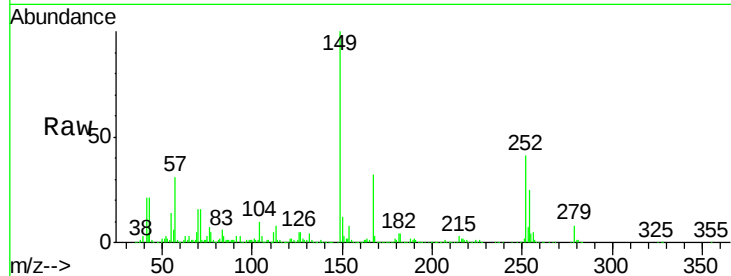




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 42.53 ng  
 RT: 21.22 min Scan# 3153  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

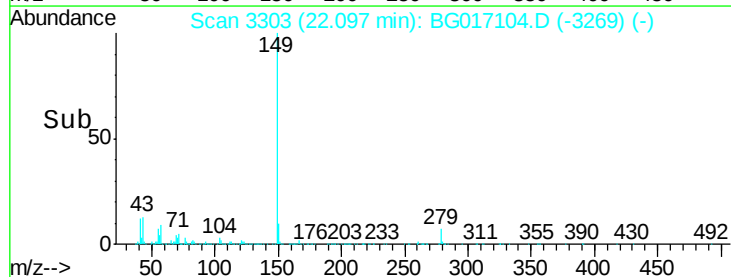
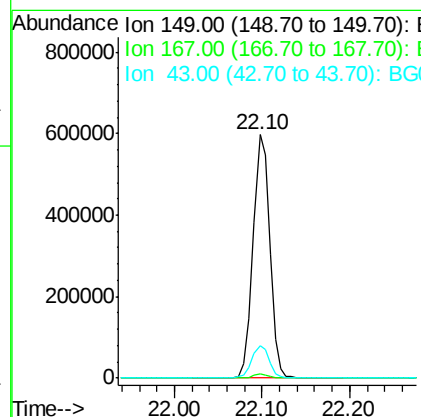
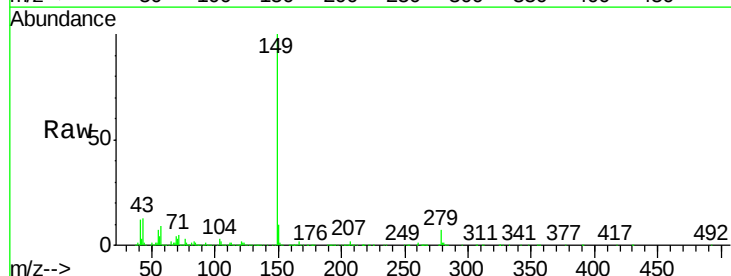
Instrument :  
 BNA\_G  
 ClientSampleId :

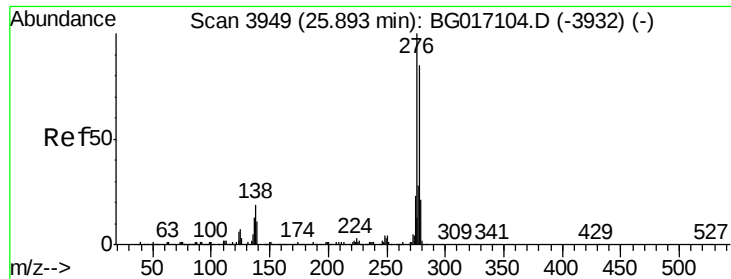
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 31.8  | 25.4  | 38.2  |
| 279     | 8.5   | 6.8   | 10.2  |



#84  
 Di-n-octyl phthalate  
 Concen: 41.48 ng  
 RT: 22.10 min Scan# 3303  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.4   | 2.0   |
| 43      | 13.6  | 10.9  | 16.3  |

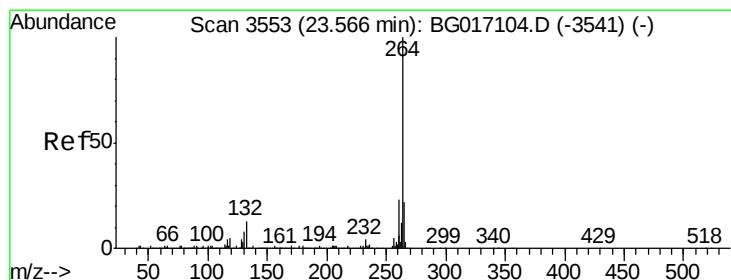
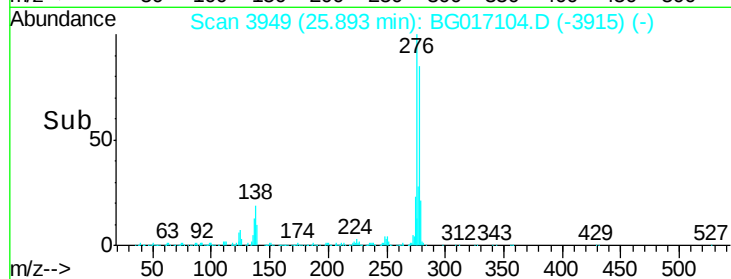
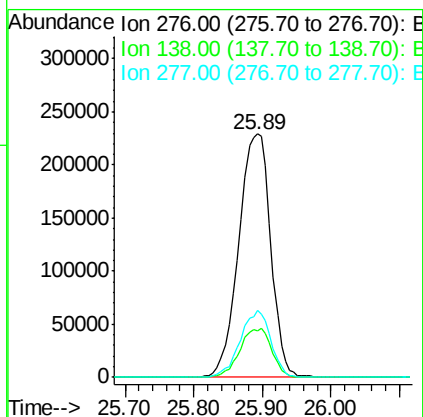
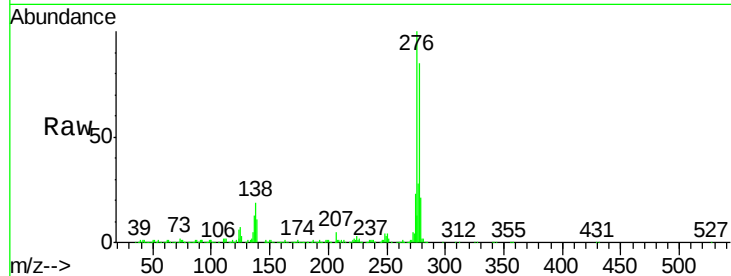




#85  
Indeno(1,2,3-cd)pyrene  
Concen: 43.02 ng  
RT: 25.89 min Scan# 3949  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

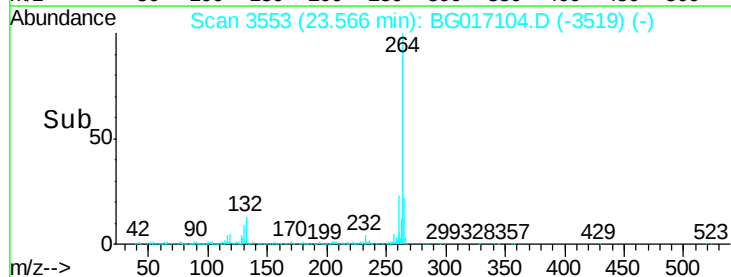
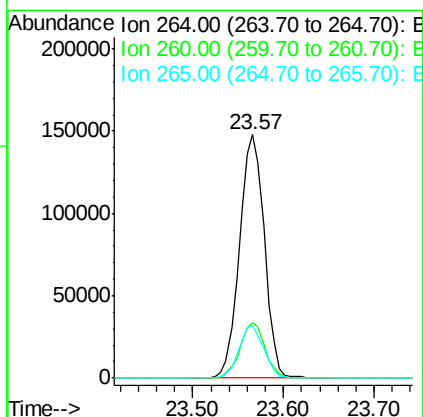
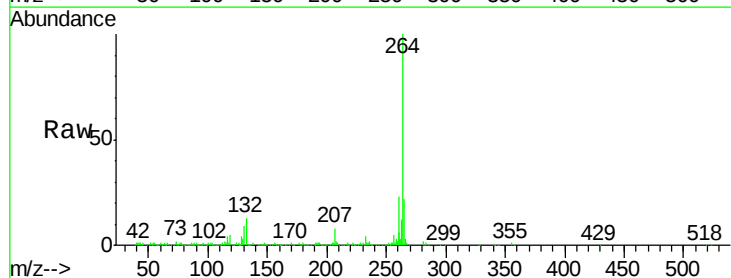
Instrument :  
BNA\_G  
ClientSampleId :

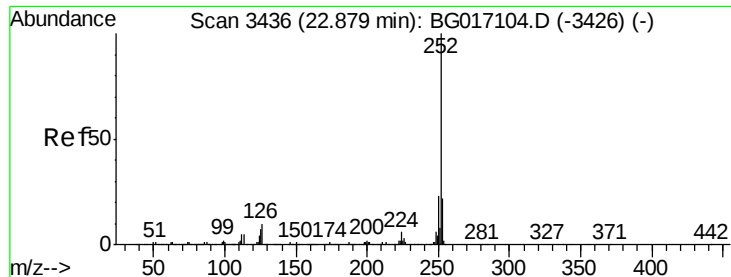
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.0  | 16.0  | 24.0  |
| 277     | 26.1  | 20.9  | 31.3  |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.57 min Scan# 3553  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 18.0  | 27.0  |
| 265     | 21.7  | 17.4  | 26.0  |

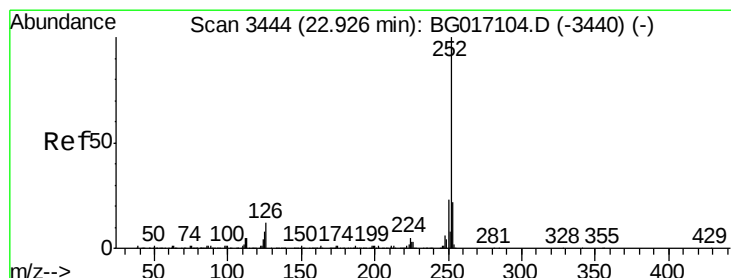
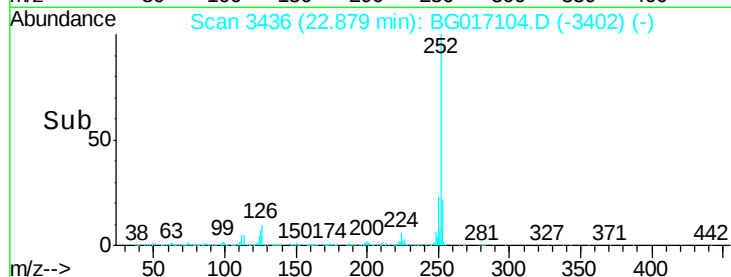
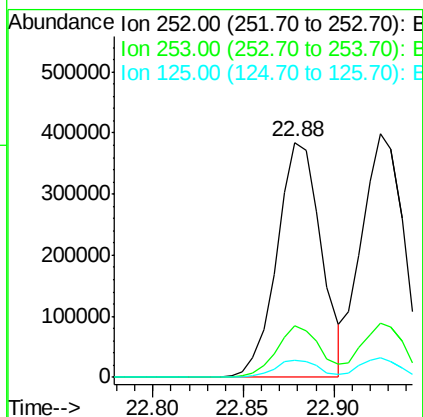
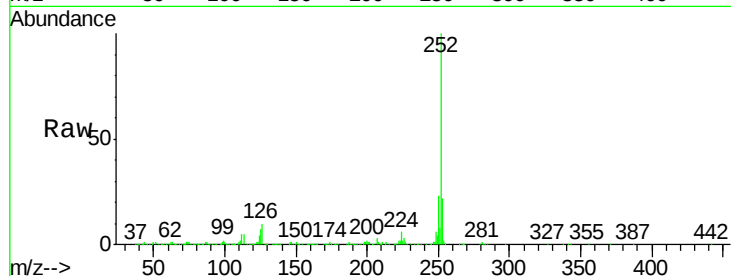




#87  
Benzo(b)fluoranthene  
Concen: 41.17 ng  
RT: 22.88 min Scan# 3436  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

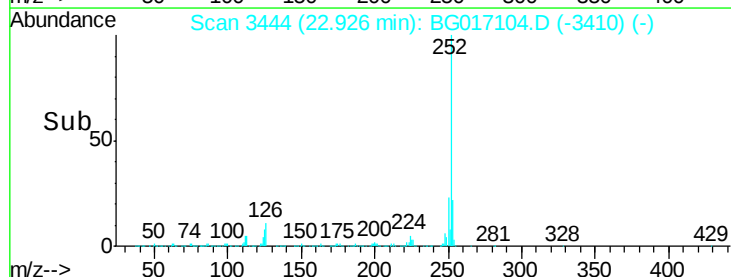
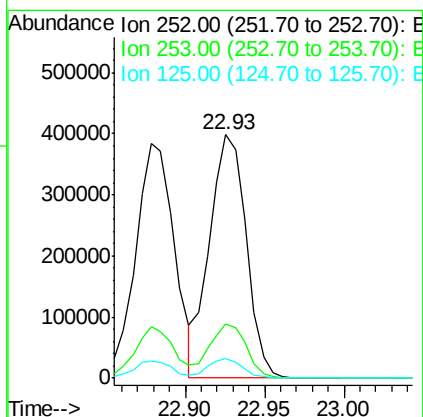
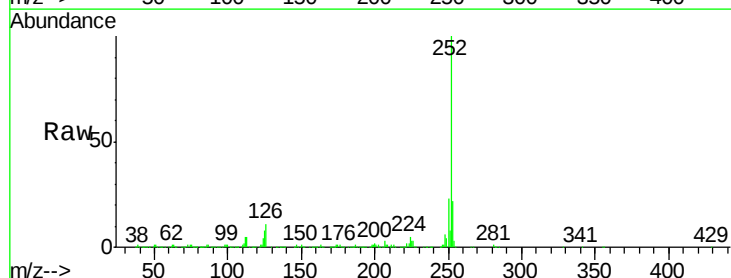
Instrument :  
BNA\_G  
ClientSampled :

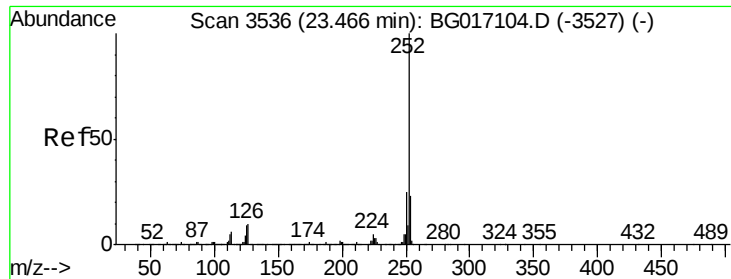
Tot Ion:252 Resp: 653220  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.4 26.2  
125 7.4 5.9 8.9



#88  
Benzo(k)fluoranthene  
Concen: 41.77 ng  
RT: 22.93 min Scan# 3444  
Delta R.T. 0.00 min  
Lab File: BG017104.D  
Acq: 13 May 2015 13:25

Tgt Ion:252 Resp: 639762  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.6  
125 8.0 6.4 9.6





#89

Benzo(a)pyrene

Concen: 41.03 ng

RT: 23.47 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

Instrument :

BNA\_G

ClientSampled :

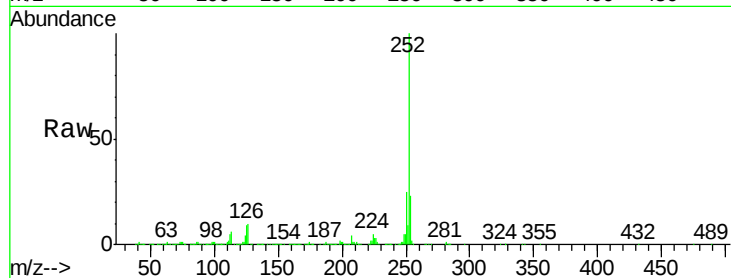
Tot Ion:252 Resp: 606892

Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

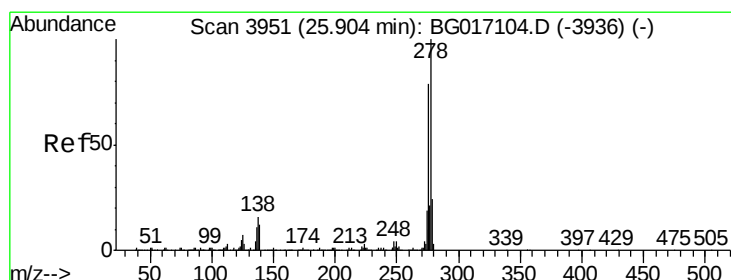
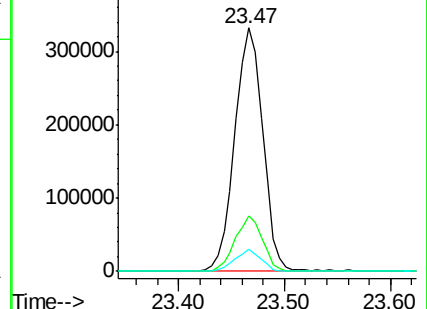
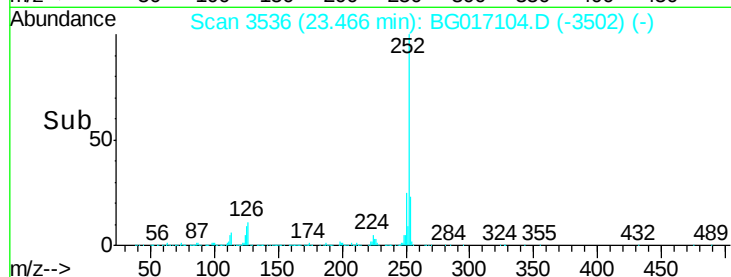
125 9.0 7.2 10.8



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: 40.91 ng

RT: 25.90 min Scan# 3951

Delta R.T. 0.00 min

Lab File: BG017104.D

Acq: 13 May 2015 13:25

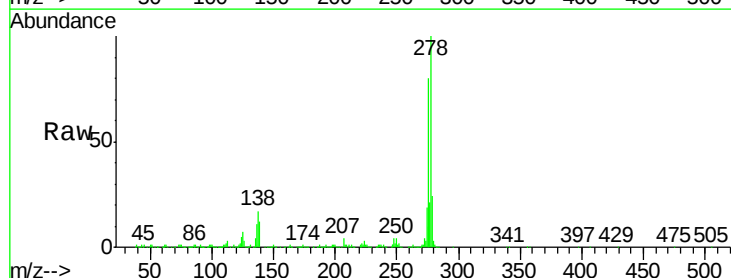
Tgt Ion:278 Resp: 619694

Ion Ratio Lower Upper

278 100

139 11.8 9.4 14.2

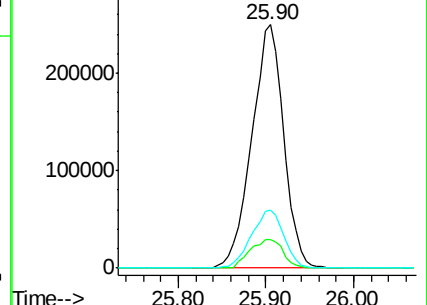
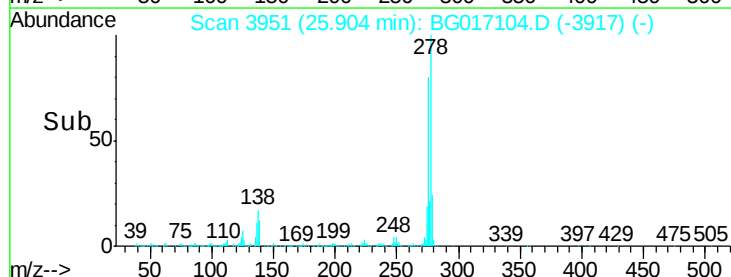
279 23.9 19.1 28.7

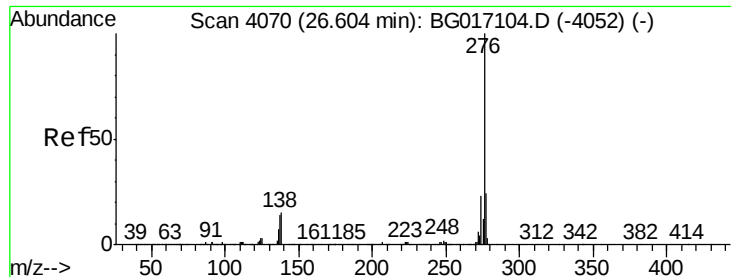


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

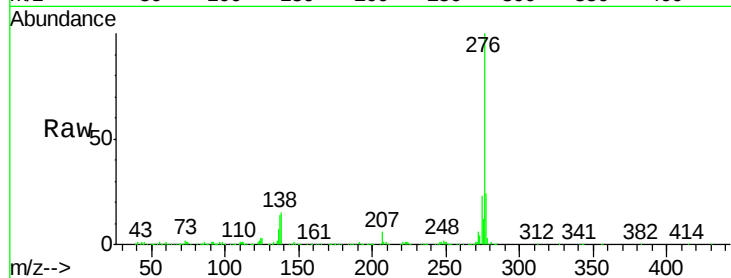




#91  
 Benzo(a,h,i)perylene  
 Concen: 40.63 ng  
 RT: 26.60 min Scan# 4070  
 Delta R.T. 0.00 min  
 Lab File: BG017104.D  
 Acq: 13 May 2015 13:25

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 18.9  | 28.3  |
| 138     | 14.8  | 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

