

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\  
 Data File : BG032278.D  
 Acq On : 25 Jan 2018 2:40  
 Operator : SJ/JU  
 Sample : J1015-13MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 25 07:33:30 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.72  | 152  | 36900    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.61 | 136  | 151782   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.36 | 164  | 109109   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.09 | 188  | 307709   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.43 | 240  | 378813   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.11 | 264  | 408429   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.16  | 112 | 247490  | 122.67 | ng | 0.00 |
| 7) Phenol-d6             | 7.84  | 99  | 291759  | 114.82 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.92  | 82  | 205016  | 91.38  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.84 | 330 | 244305  | 135.31 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.99 | 172 | 713502  | 81.08  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.63 | 244 | 1443503 | 84.14  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.83  | 88  | 24989  | 32.239 | ng | # 78   |
| 3) Pyridine                    | 4.28  | 79  | 36910  | 17.840 | ng | # 83   |
| 4) n-Nitrosodimethylamine      | 4.18  | 42  | 41140  | 56.599 | ng | # 74   |
| 6) Aniline                     | 8.02  | 93  | 27847  | 8.688  | ng | 94     |
| 8) 2-Chlorophenol              | 8.27  | 128 | 102395 | 45.355 | ng | 83     |
| 9) Benzaldehyde                | 7.82  | 77  | 24763  | 16.820 | ng | # 78   |
| 10) Phenol                     | 7.86  | 94  | 101259 | 40.454 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 8.11  | 93  | 79468  | 39.628 | ng | 85     |
| 12) 1,3-Dichlorobenzene        | 8.76  | 146 | 126600 | 42.846 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.76  | 146 | 126600 | 42.553 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 9.09  | 146 | 116348 | 40.433 | ng | 96     |
| 15) Benzyl Alcohol             | 8.96  | 79  | 91109  | 49.357 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.26  | 45  | 78069  | 38.307 | ng | 79     |
| 17) 2-Methylphenol             | 9.16  | 107 | 77456  | 40.491 | ng | # 95   |
| 18) Hexachloroethane           | 9.84  | 117 | 41124  | 44.977 | ng | # 87   |
| 19) n-Nitroso-di-n-propylamine | 9.54  | 70  | 66514  | 42.189 | ng | # 89   |
| 20) 3+4-Methylphenols          | 9.50  | 107 | 107697 | 40.640 | ng | 94     |
| 22) Acetophenone               | 9.56  | 105 | 148346 | 43.027 | ng | # 91   |
| 24) Nitrobenzene               | 9.97  | 77  | 101343 | 45.286 | ng | # 88   |
| 25) Isophorone                 | 10.49 | 82  | 186532 | 44.652 | ng | # 81   |
| 26) 2-Nitrophenol              | 10.69 | 139 | 60768  | 45.828 | ng | # 84   |
| 27) 2,4-Dimethylphenol         | 10.73 | 122 | 100599 | 47.808 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.97 | 93  | 111404 | 44.262 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 11.23 | 162 | 125672 | 48.537 | ng | 87     |
| 30) 1,2,4-Trichlorobenzene     | 11.46 | 180 | 146772 | 43.893 | ng | 99     |
| 31) Naphthalene                | 11.66 | 128 | 311878 | 41.479 | ng | 97     |
| 32) Benzoic acid               | 10.83 | 122 | 38875  | 25.765 | ng | 85     |
| 33) 4-Chloroaniline            | 11.75 | 127 | 23231  | 7.205  | ng | # 89   |
| 34) Hexachlorobutadiene        | 11.92 | 225 | 109474 | 45.582 | ng | 96     |
| 35) Caprolactam                | 12.49 | 113 | 31041  | 39.518 | ng | # 53   |
| 36) 4-Chloro-3-methylphenol    | 12.83 | 107 | 114904 | 48.484 | ng | # 85   |
| 37) 2-Methylnaphthalene        | 13.22 | 142 | 263282 | 44.105 | ng | 96     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.58 | 216 | 206778 | 43.477 | ng | # 96   |
| 40) Hexachlorocyclopentadiene  | 13.55 | 237 | 259864 | 97.008 | ng | 90     |

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 ALS Vial : 21 Sample Multiplier: 1

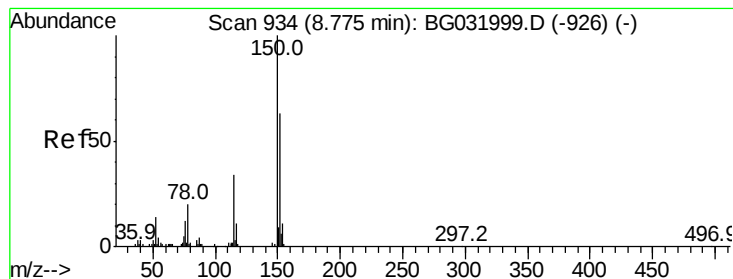
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 25 07:33:30 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 24 14:02:41 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| -----                          |       |      |          |         |       |          |
| 42) 2,4,6-Trichlorophenol      | 13.80 | 196  | 123037   | 46.041  | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.88 | 196  | 133325   | 43.102  | nq #  | 91       |
| 45) 1,1'-Biphenyl              | 14.20 | 154  | 374420   | 40.029  | nq    | 97       |
| 46) 2-Chloronaphthalene        | 14.25 | 162  | 297637   | 40.904  | nq    | 97       |
| 47) 2-Nitroaniline             | 14.44 | 65   | 68842    | 49.420  | nq #  | 71       |
| 48) Acenaphthylene             | 15.09 | 152  | 440014   | 39.710  | nq    | 99       |
| 49) Dimethylphthalate          | 14.79 | 163  | 400893   | 41.987  | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.92 | 165  | 90283    | 45.556  | nq #  | 75       |
| 51) Acenaphthene               | 15.43 | 154  | 342593   | 46.758  | nq    | 98       |
| 52) 3-Nitroaniline             | 15.25 | 138  | 27076    | 15.127  | nq #  | 79       |
| 53) 2,4-Dinitrophenol          | 15.45 | 184  | 105254   | 103.621 | nq #  | 57       |
| 54) Dibenzofuran               | 15.76 | 168  | 479377   | 43.858  | nq    | 99       |
| 55) 4-Nitrophenol              | 15.54 | 139  | 122219   | 93.693  | nq #  | 80       |
| 56) 2,4-Dinitrotoluene         | 15.70 | 165  | 133671   | 50.098  | nq #  | 70       |
| 57) Fluorene                   | 16.40 | 166  | 384128   | 42.851  | nq    | 96       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.97 | 232  | 146960   | 51.358  | nq #  | 84       |
| 59) Diethylphthalate           | 16.14 | 149  | 398161   | 43.015  | nq    | 95       |
| 60) 4-Chlorophenyl-phenylether | 16.38 | 204  | 245563   | 44.656  | nq    | 93       |
| 61) 4-Nitroaniline             | 16.40 | 138  | 65941    | 38.404  | nq    | 86       |
| 62) Azobenzene                 | 16.67 | 77   | 249591   | 43.081  | nq    | 83       |
| 64) 4,6-Dinitro-2-methylphenol | 16.45 | 198  | 77808    | 40.370  | nq #  | 70       |
| 65) n-Nitrosodiphenylamine     | 16.59 | 169  | 361902   | 38.759  | nq    | 98       |
| 66) 4-Bromophenyl-phenylether  | 17.27 | 248  | 181646   | 41.489  | nq    | 94       |
| 67) Hexachlorobenzene          | 17.39 | 284  | 187725   | 38.756  | nq #  | 92       |
| 68) Atrazine                   | 17.51 | 200  | 157752   | 40.174  | nq    | 98       |
| 69) Pentachlorophenol          | 17.74 | 266  | 231047   | 74.626  | nq    | 98       |
| 70) Phenanthrene               | 18.14 | 178  | 682042   | 39.811  | nq    | 99       |
| 71) Anthracene                 | 18.23 | 178  | 707296   | 41.393  | nq    | 98       |
| 72) Carbazole                  | 18.49 | 167  | 611324   | 41.242  | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.99 | 149  | 682873   | 38.987  | nq    | 100      |
| 74) Fluoranthene               | 20.10 | 202  | 922915   | 43.026  | nq    | 94       |
| 76) Benzidine                  | 20.26 | 184  | 42517    | 4.488   | nq    | 96       |
| 77) Pyrene                     | 20.46 | 202  | 926940   | 38.925  | nq    | 99       |
| 79) Butylbenzylphthalate       | 21.32 | 149  | 311933   | 36.560  | nq #  | 75       |
| 80) Benzo(a)anthracene         | 22.41 | 228  | 977834   | 41.507  | nq    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 22.30 | 252  | 127926   | 14.536  | nq #  | 95       |
| 82) Chrysene                   | 22.48 | 228  | 918729   | 40.607  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 22.25 | 149  | 433779   | 34.670  | nq #  | 98       |
| 84) Di-n-octyl phthalate       | 23.62 | 149  | 746636   | 37.573  | nq #  | 89       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.39 | 276  | 1216877  | 43.949  | nq #  | 86       |
| 87) Benzo(b)fluoranthene       | 24.93 | 252  | 1032086  | 41.806  | nq #  | 95       |
| 88) Benzo(k)fluoranthene       | 25.01 | 252  | 1006987  | 41.743  | nq #  | 95       |
| 89) Benzo(a)pyrene             | 25.94 | 252  | 1006206  | 43.086  | nq #  | 96       |
| 90) Dibenzo(a,h)anthracene     | 30.46 | 278  | 1020010  | 45.325  | nq #  | 94       |
| 91) Benzo(g,h,i)perylene       | 31.74 | 276  | 1019330  | 44.316  | nq #  | 91       |
| -----                          |       |      |          |         |       |          |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

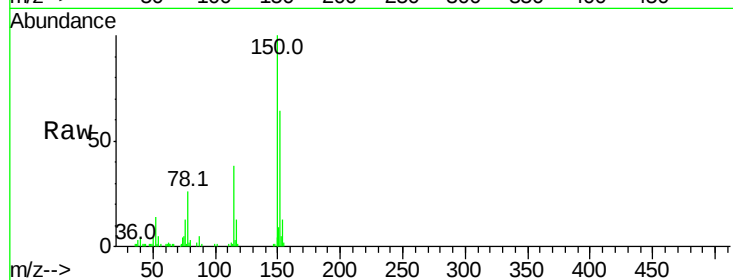
Tot Ion:152 Resp: 36900

Ion Ratio Lower Upper

152 100

150 156.9 126.6 189.8

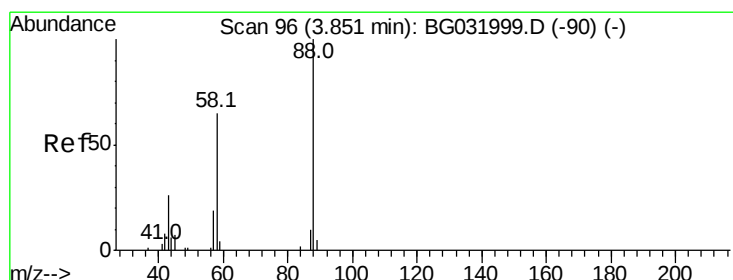
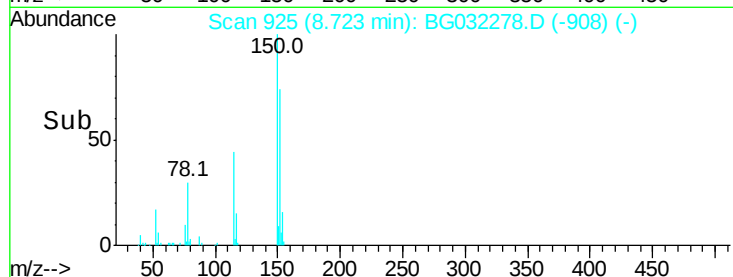
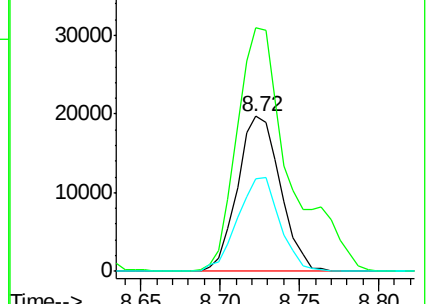
115 59.3 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.239 ng

RT: 3.83 min Scan# 92

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

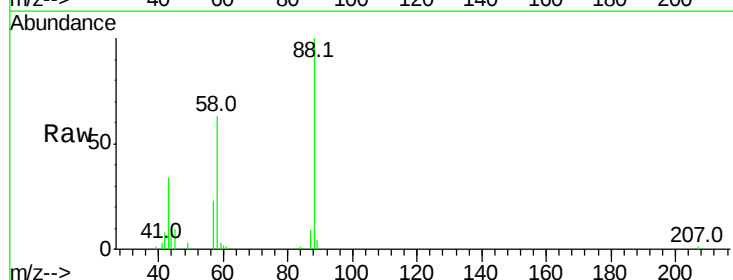
Tgt Ion: 88 Resp: 24989

Ion Ratio Lower Upper

88 100

58 71.2 79.6 119.4#

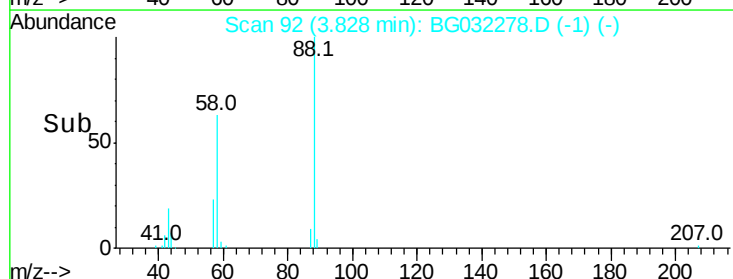
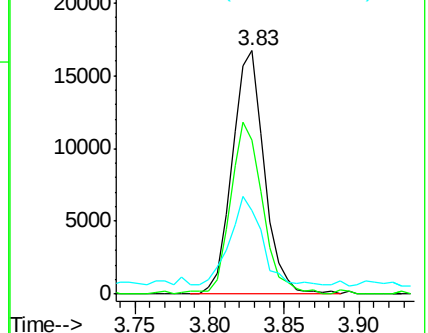
43 35.6 27.4 41.0

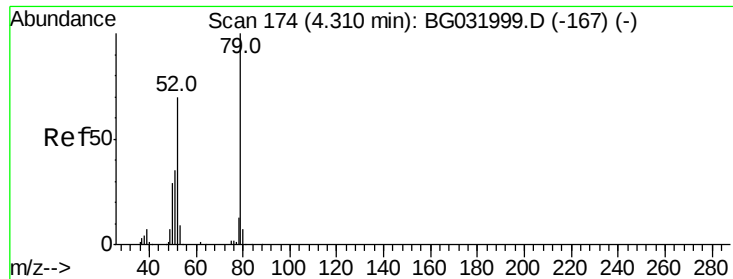


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 17.840 ng

RT: 4.28 min Scan# 169

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

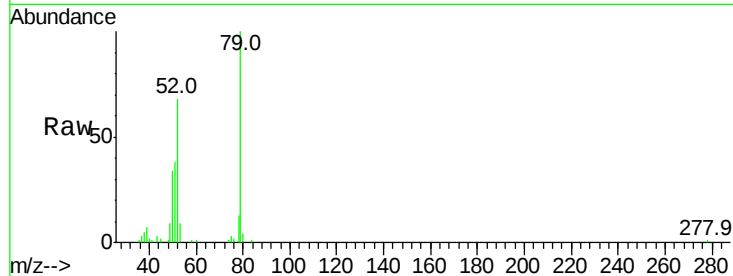
Tot Ion: 79 Resp: 36910

Ion Ratio Lower Upper

79 100

52 67.6 69.9 104.9#

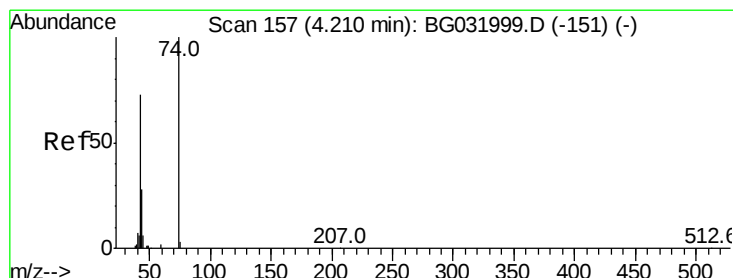
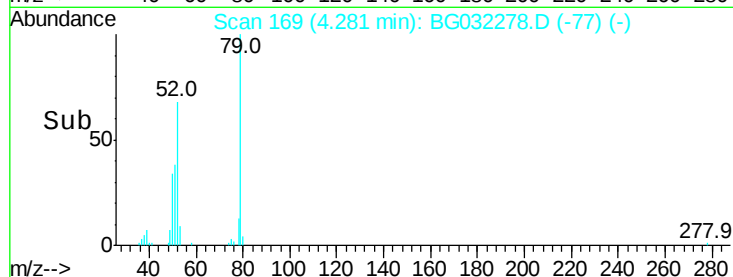
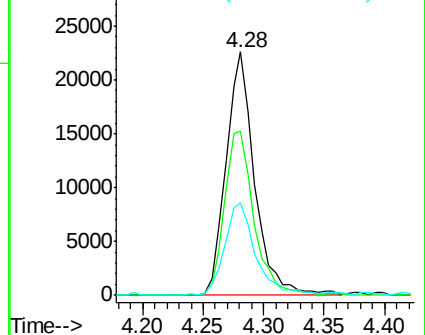
51 38.2 34.0 51.0



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: 56.599 ng

RT: 4.18 min Scan# 151

Delta R.T. -0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

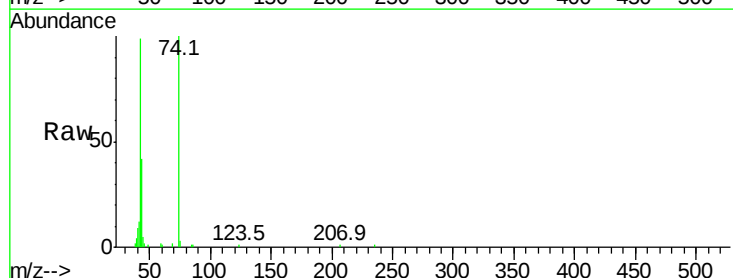
Tgt Ion: 42 Resp: 41140

Ion Ratio Lower Upper

42 100

74 101.0 102.5 153.7#

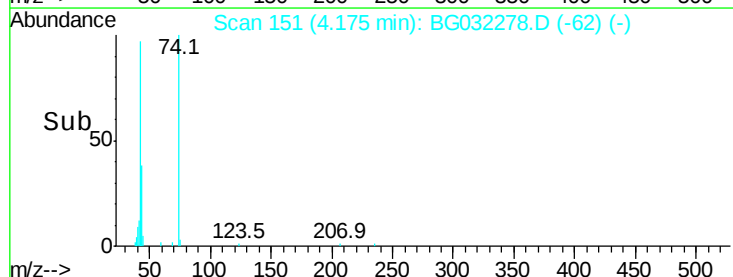
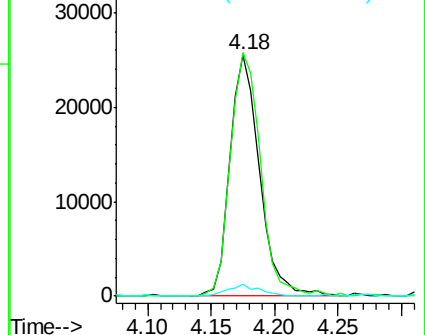
44 5.2 18.9 28.3#

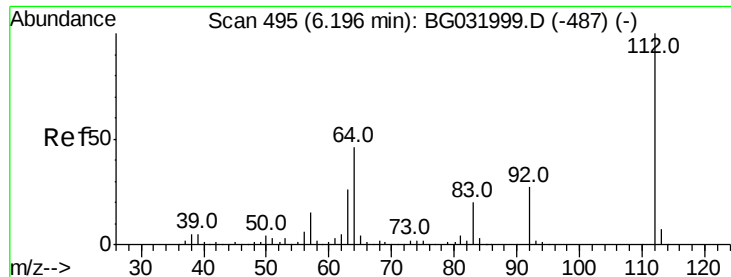


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 122.667 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampled :

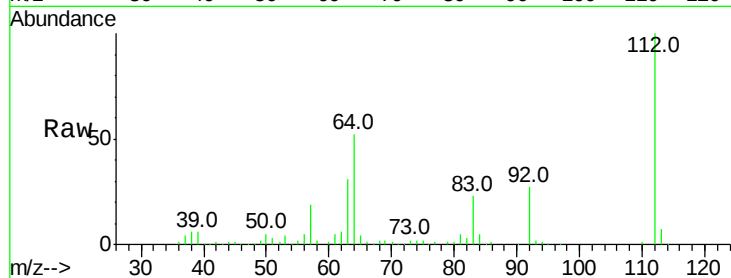
Tot Ion:112 Resp: 247490

Ion Ratio Lower Upper

112 100

64 51.5 56.3 84.5#

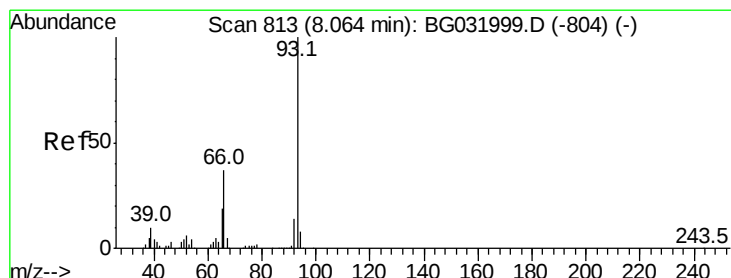
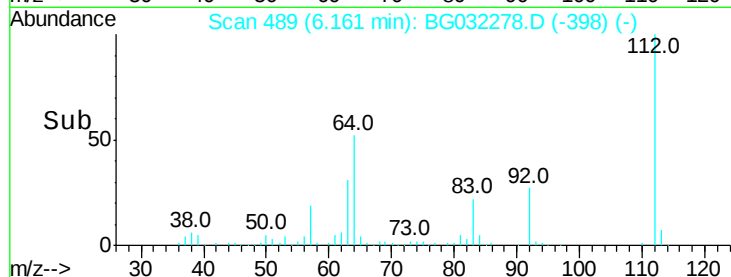
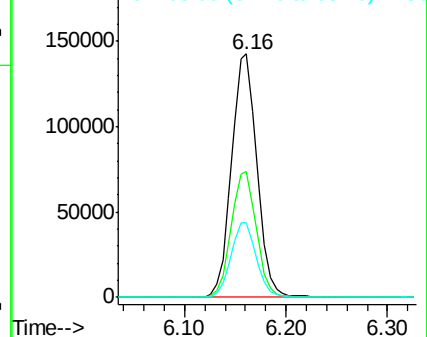
63 30.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 8.688 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

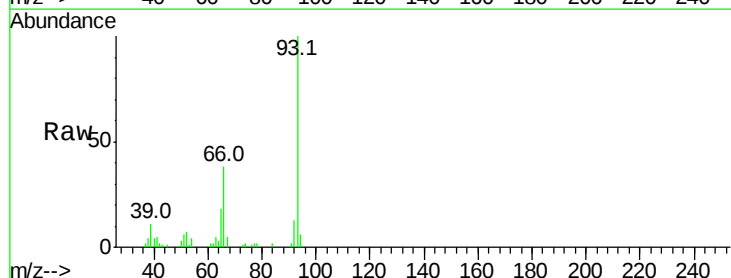
Tgt Ion: 93 Resp: 27847

Ion Ratio Lower Upper

93 100

66 37.8 33.7 50.5

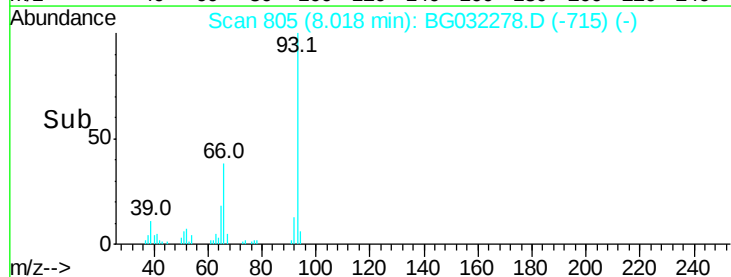
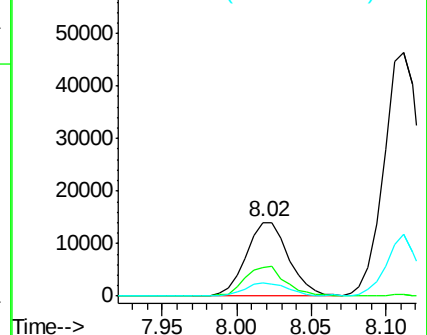
65 18.0 16.1 24.1

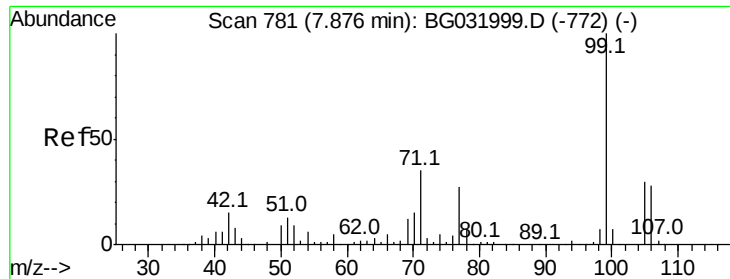


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 114.820 ng

RT: 7.84 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

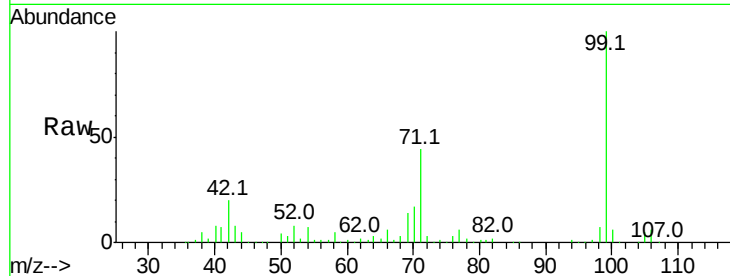
Tot Ion: 99 Resp: 291759

Ion Ratio Lower Upper

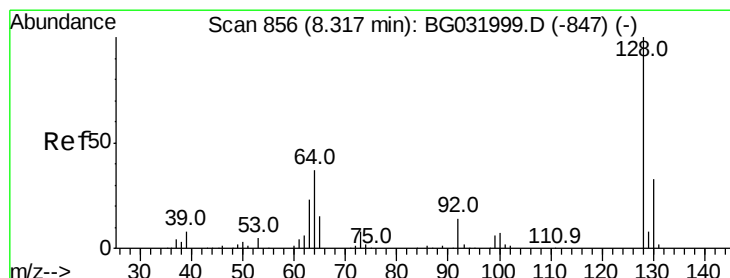
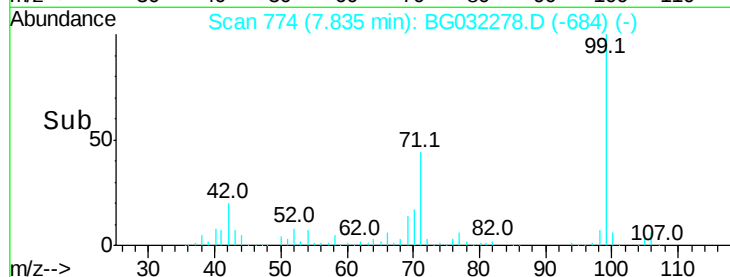
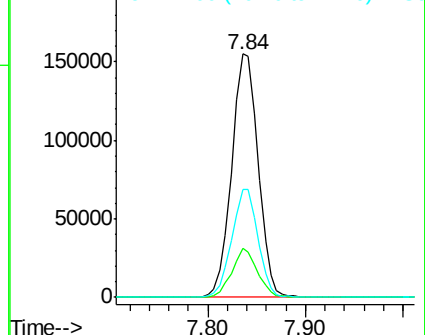
99 100

42 20.1 14.1 21.1

71 44.5 26.1 39.1#



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: 45.355 ng

RT: 8.27 min Scan# 848

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

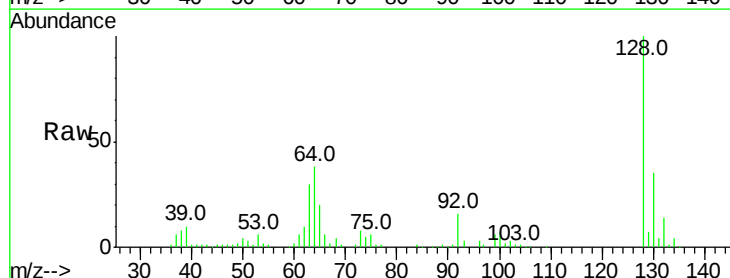
Tgt Ion:128 Resp: 102395

Ion Ratio Lower Upper

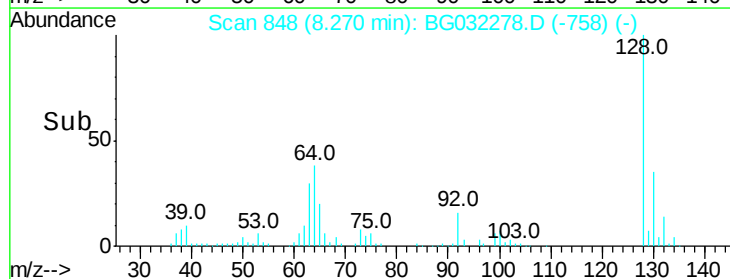
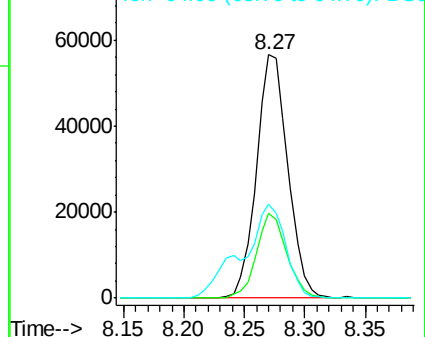
128 100

130 35.1 14.0 54.0

64 38.3 37.7 77.7



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: 16.820 ng

RT: 7.82 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

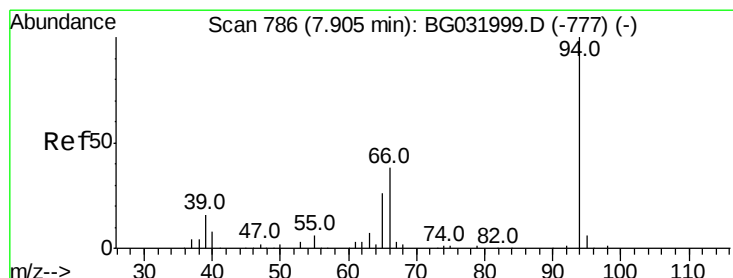
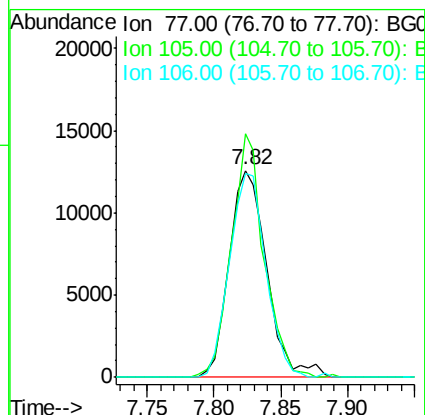
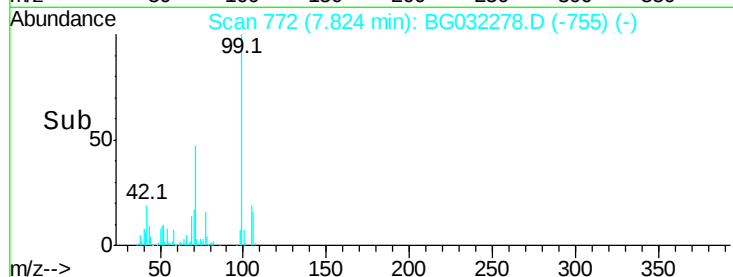
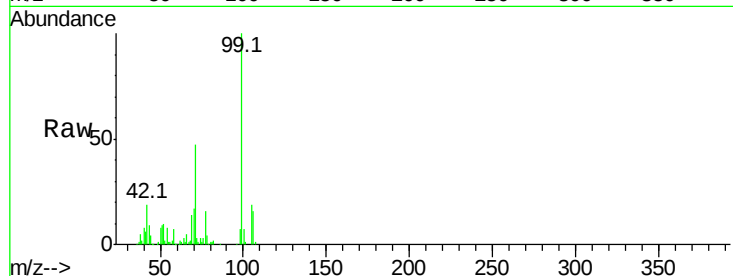
Tot Ion: 77 Resp: 24763

Ion Ratio Lower Upper

77 100

105 117.9 71.3 111.3#

106 98.7 64.2 104.2



#10

Phenol

Concen: 40.454 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

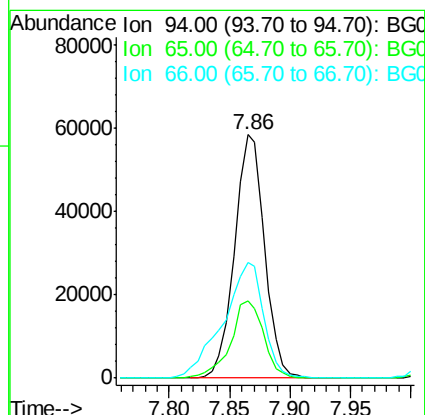
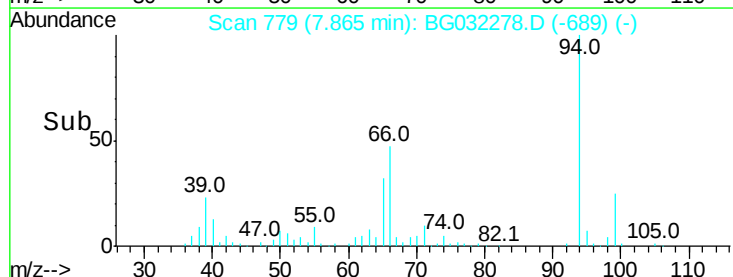
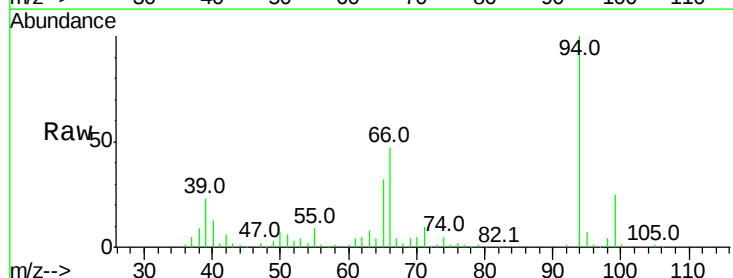
Tgt Ion: 94 Resp: 101259

Ion Ratio Lower Upper

94 100

65 31.5 11.9 51.9

66 47.4 22.2 62.2

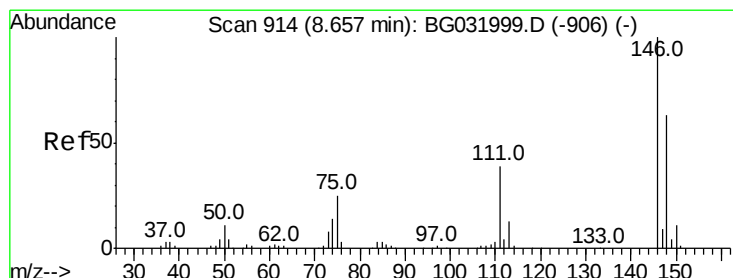
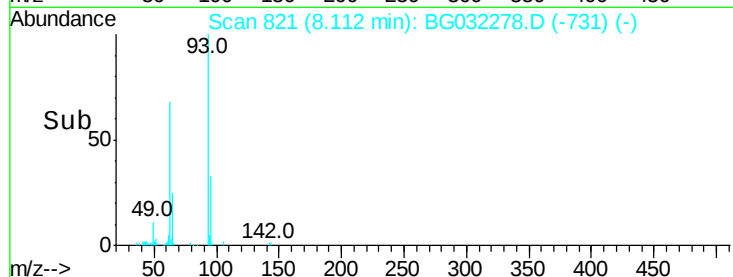
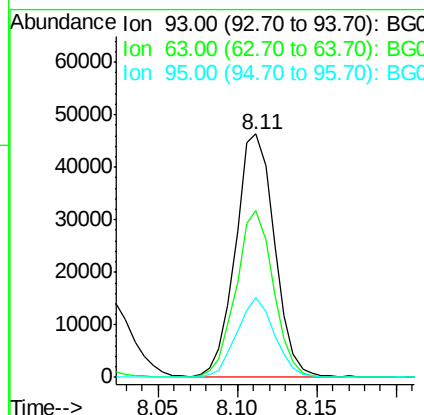
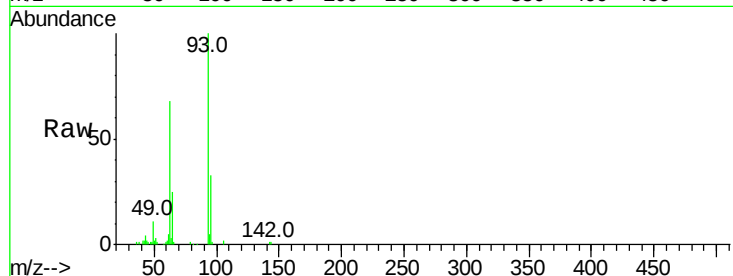




#11  
bis(2-Chloroethyl)ether  
Concen: 39.628 ng  
RT: 8.11 min Scan# 821  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

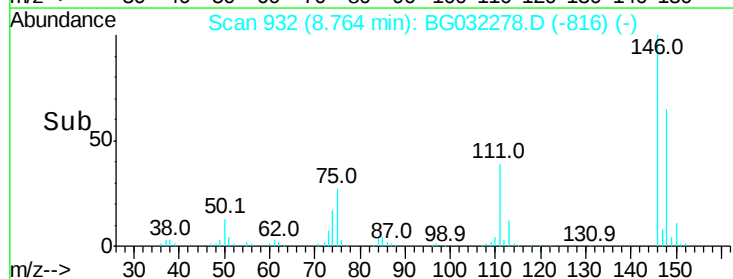
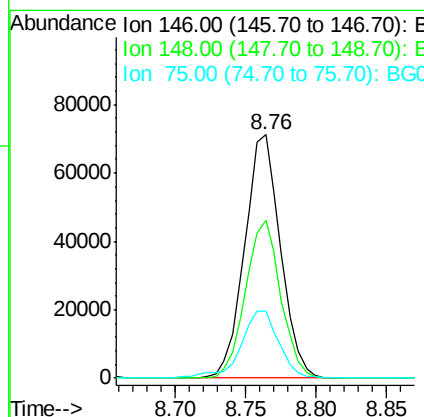
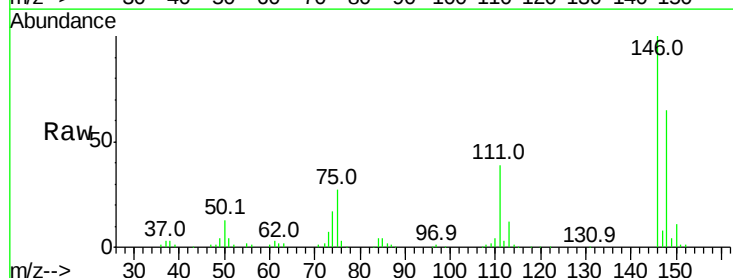
Instrument :  
BNA\_G  
ClientSampleId :

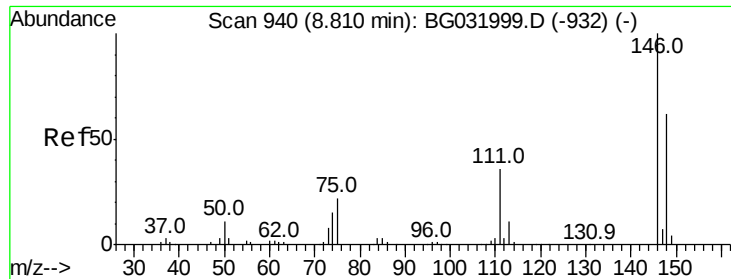
Tot Ion: 93 Resp: 79468  
Ion Ratio Lower Upper  
93 100  
63 68.3 67.1 107.1  
95 32.6 11.5 51.5



#12  
1,3-Dichlorobenzene  
Concen: 42.846 ng  
RT: 8.76 min Scan# 932  
Delta R.T. 0.15 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion: 146 Resp: 126600  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.4 77.2  
75 27.4 26.6 39.8

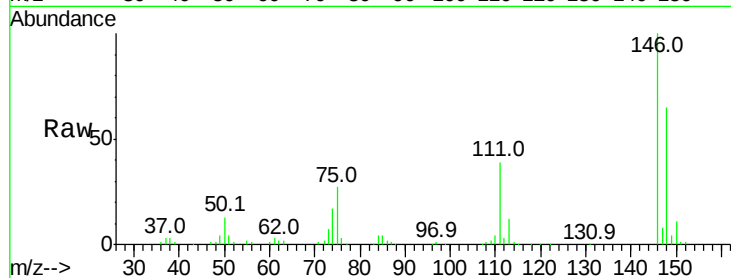




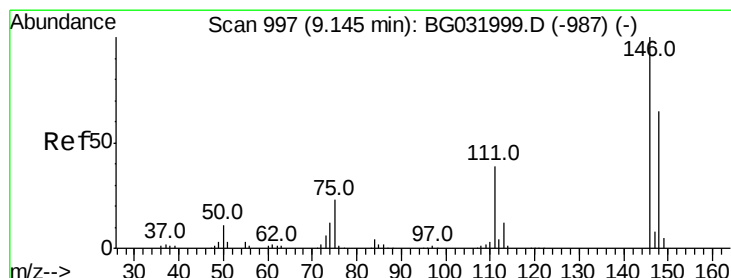
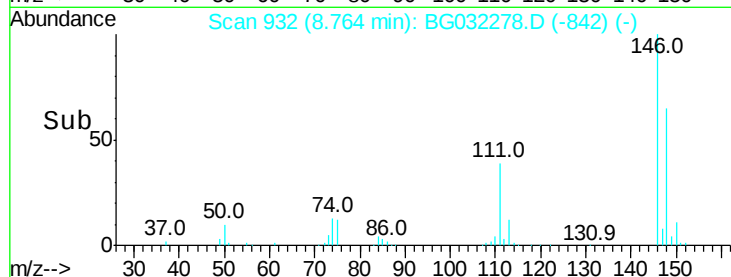
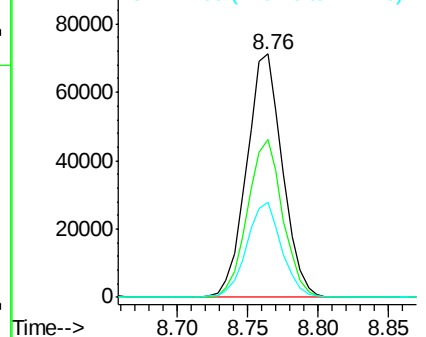
#13  
 1,4-Dichlorobenzene  
 Concen: 42.553 ng  
 RT: 8.76 min Scan# 932  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 126600  
 Ion Ratio Lower Upper  
 146 100  
 148 65.0 53.7 80.5  
 111 39.0 35.2 52.8

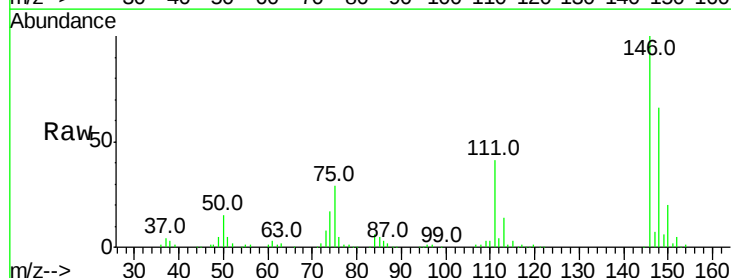


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

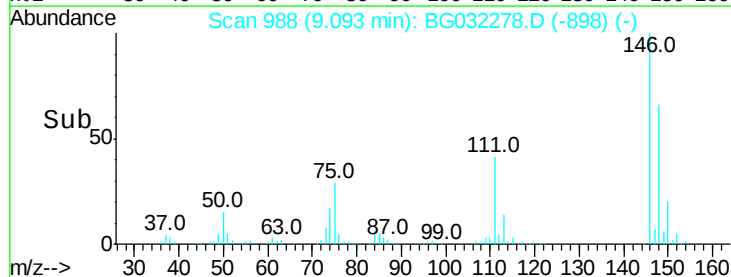
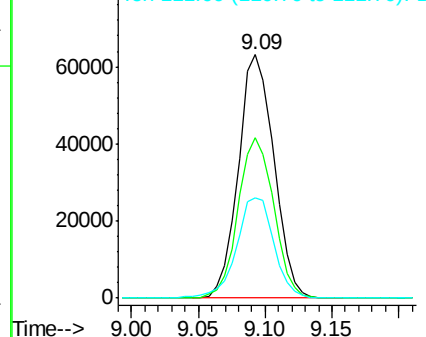


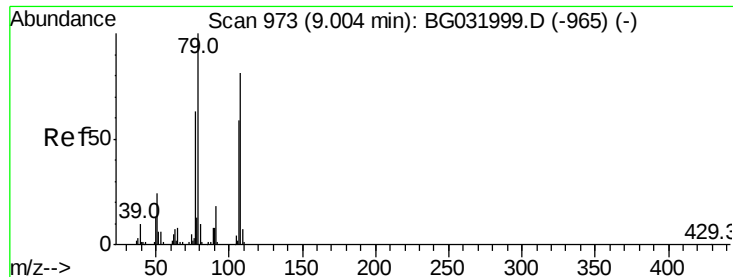
#14  
 1,2-Dichlorobenzene  
 Concen: 40.433 ng  
 RT: 9.09 min Scan# 988  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion:146 Resp: 116348  
 Ion Ratio Lower Upper  
 146 100  
 148 66.0 49.3 73.9  
 111 41.4 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.357 ng

RT: 8.96 min Scan# 965

Delta R.T. -0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

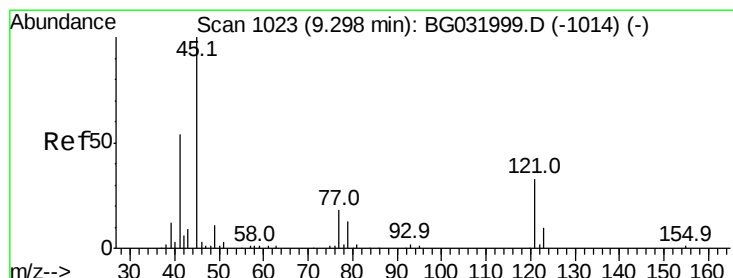
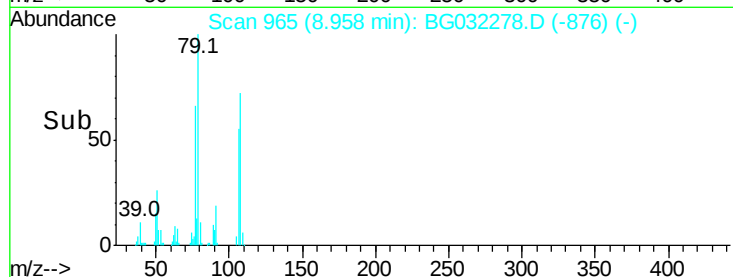
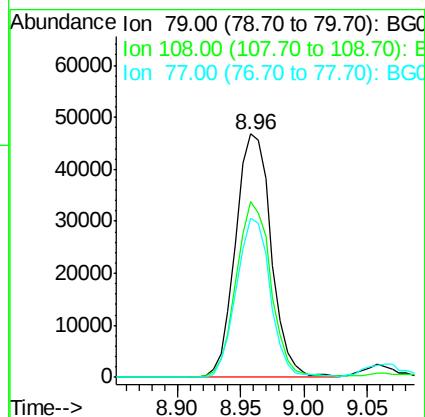
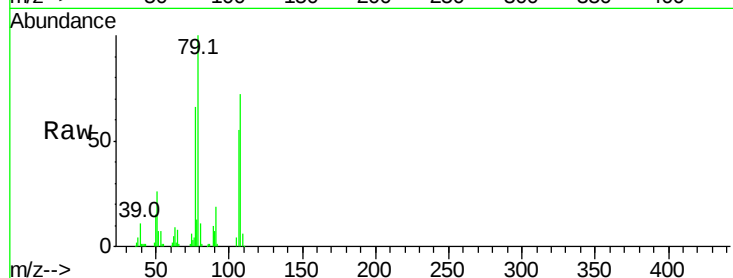
Tot Ion: 79 Resp: 91109

Ion Ratio Lower Upper

79 100

108 72.0 57.2 85.8

77 65.6 46.1 69.1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.307 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

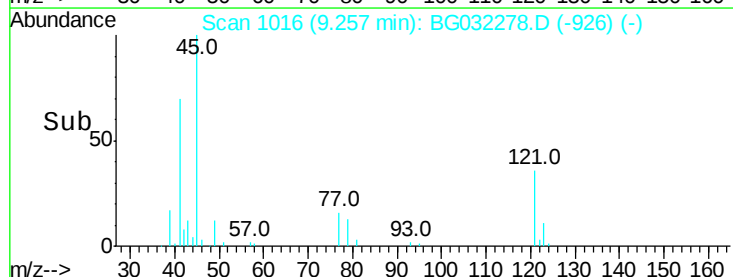
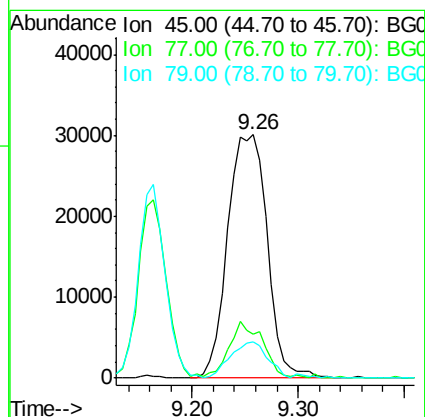
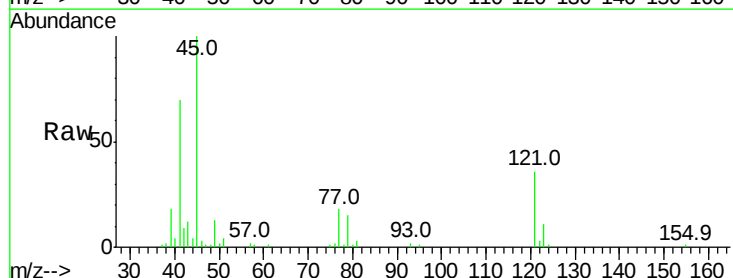
Tgt Ion: 45 Resp: 78069

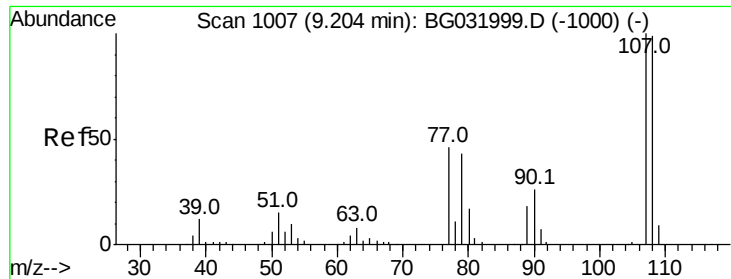
Ion Ratio Lower Upper

45 100

77 18.2 0.0 30.2

79 15.0 0.0 27.9





#17

2-Methylphenol

Concen: 40.491 ng

RT: 9.16 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampled :

Tot Ion:107 Resp: 77456

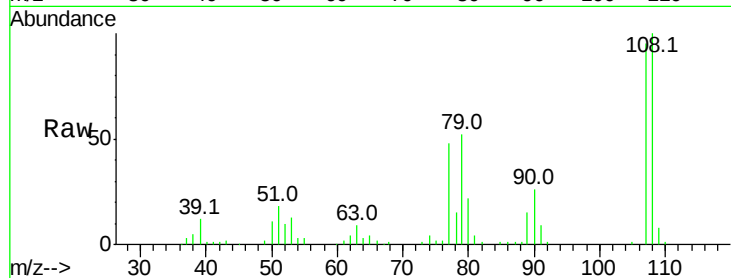
Ion Ratio Lower Upper

107 100

108 104.7 83.9 125.9

77 50.4 37.2 55.8

79 54.7 36.2 54.2#

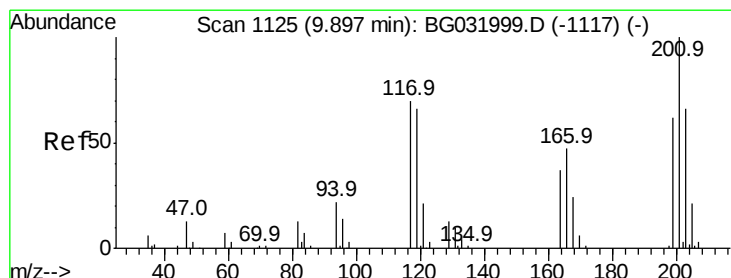
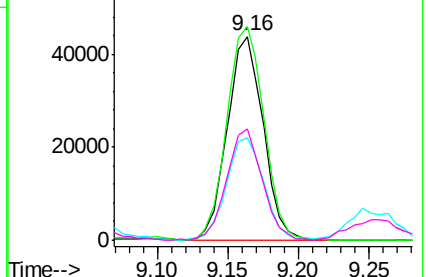
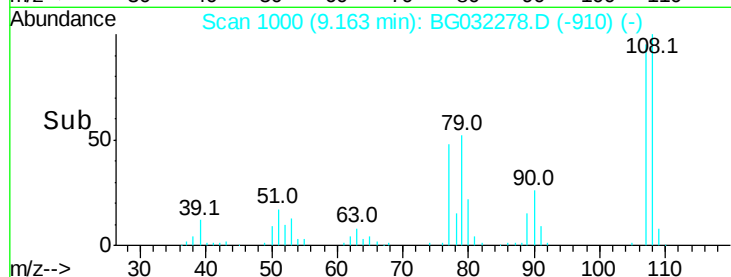


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 44.977 ng

RT: 9.84 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

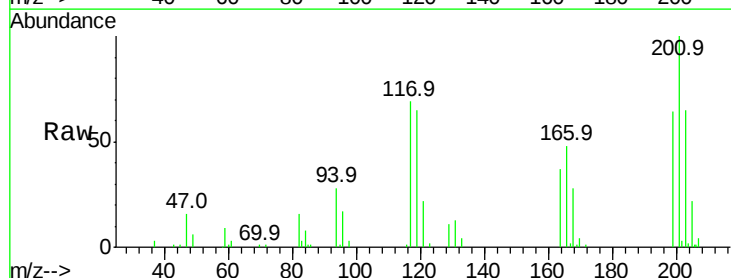
Tgt Ion:117 Resp: 41124

Ion Ratio Lower Upper

117 100

119 94.7 76.7 115.1

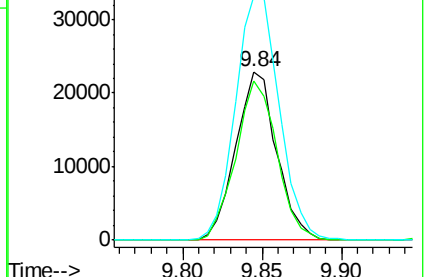
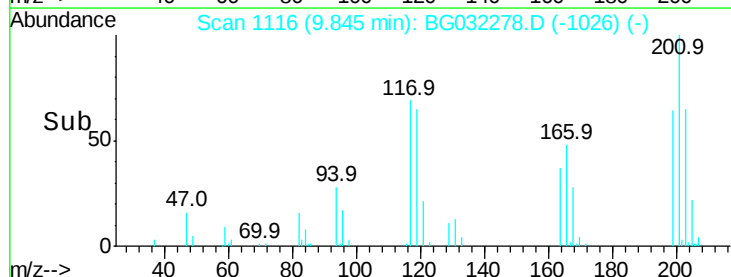
201 144.7 95.7 143.5#

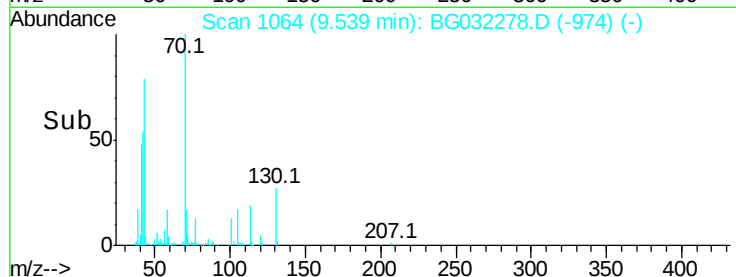
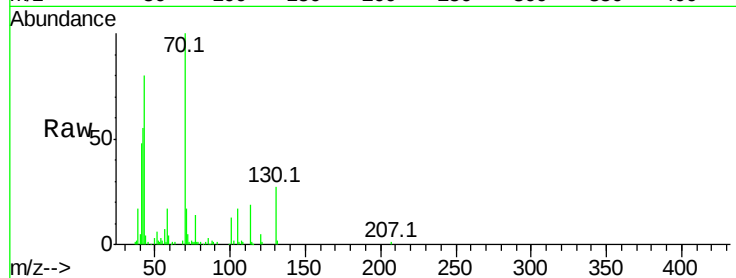
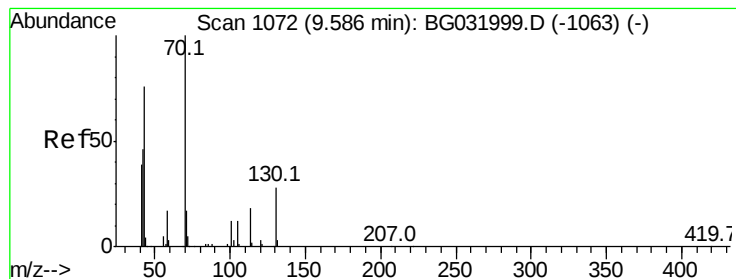


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 42.189 ng

RT: 9.54 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BG032278.D

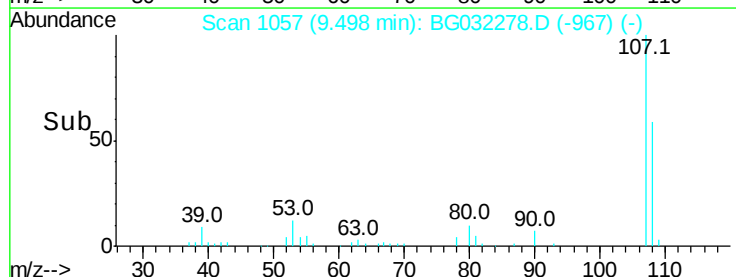
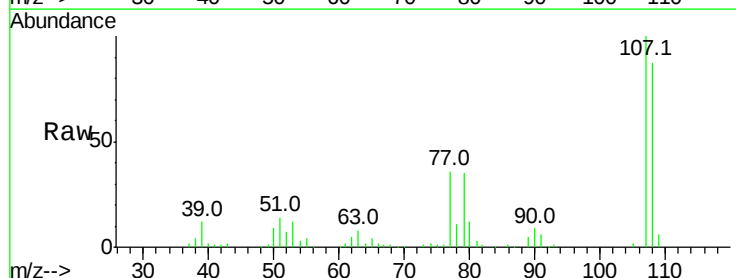
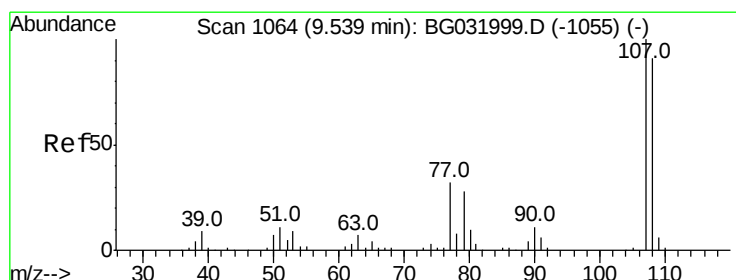
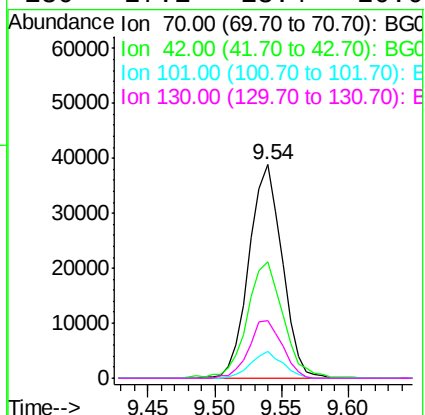
Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 66514 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 54.7  | 49.1  | 73.7  |
| 101      | 12.7  | 8.5   | 12.7# |
| 130      | 27.1  | 13.4  | 20.0# |



#20

3+4-Methylphenols

Concen: 40.640 ng

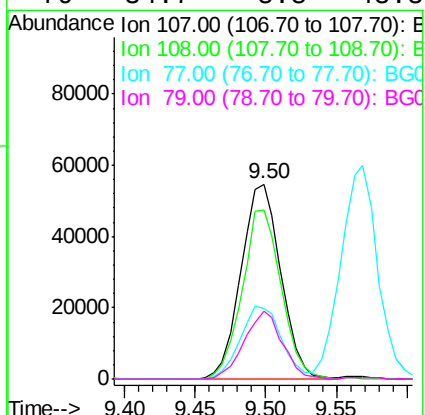
RT: 9.50 min Scan# 1057

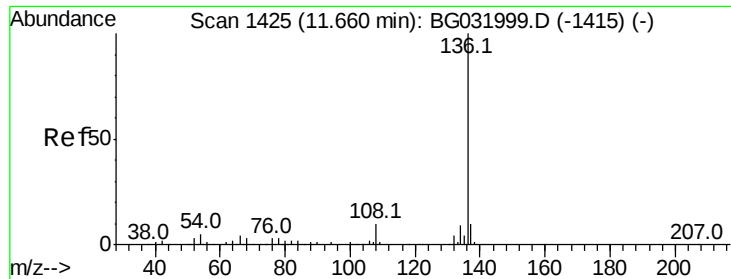
Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 107697 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.5  | 61.6  | 101.6  |
| 77       | 35.8  | 13.9  | 53.9   |
| 79       | 34.7  | 8.8   | 48.8   |

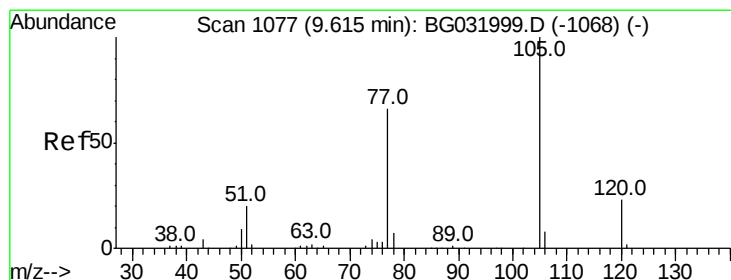
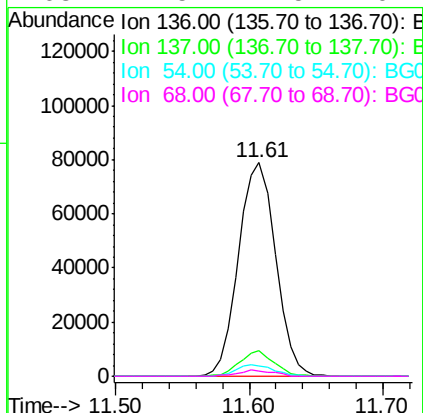
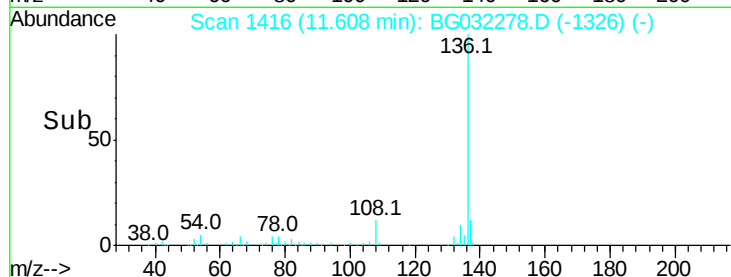
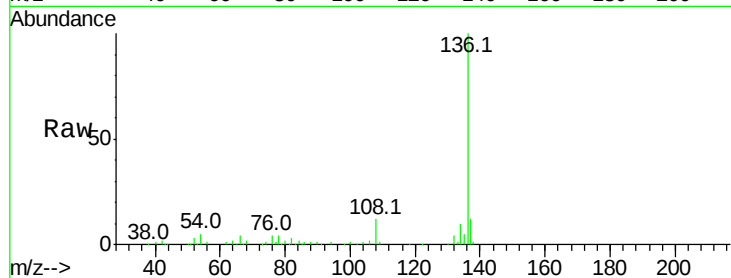




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.61 min Scan# 1416  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

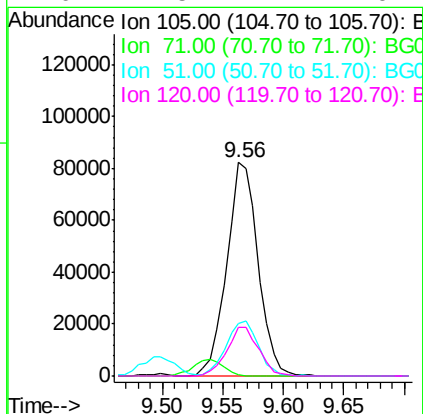
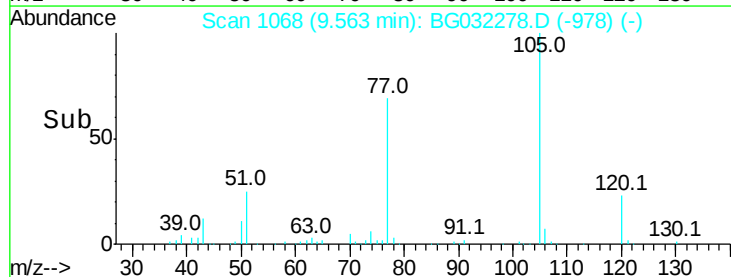
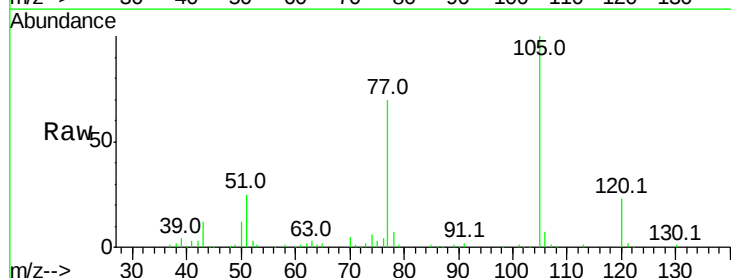
Instrument :  
BNA\_G  
ClientSampleId :

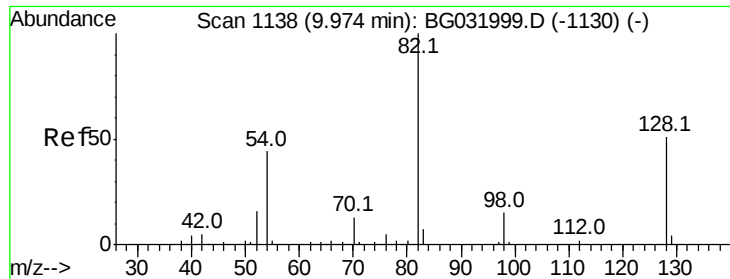
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 151782 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.9  | 9.2   | 13.8   |
| 54       | 4.6   | 10.3  | 15.5#  |
| 68       | 2.5   | 4.5   | 6.7#   |



#22  
Acetophenone  
Concen: 43.027 ng  
RT: 9.56 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 148346 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.8   | 3.0   | 4.4#   |
| 51       | 24.6  | 26.1  | 39.1#  |
| 120      | 22.5  | 17.4  | 26.2   |

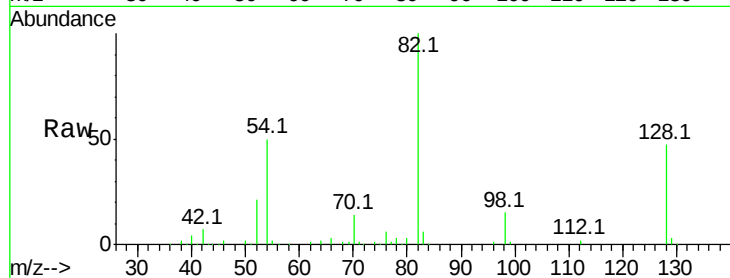




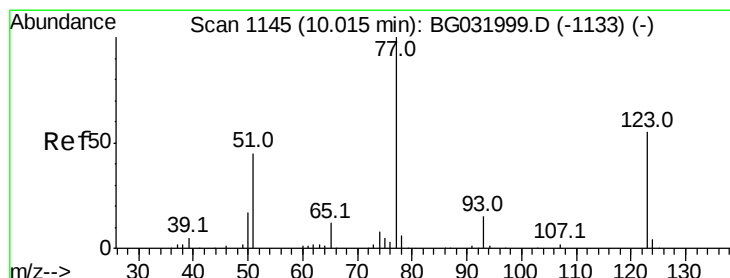
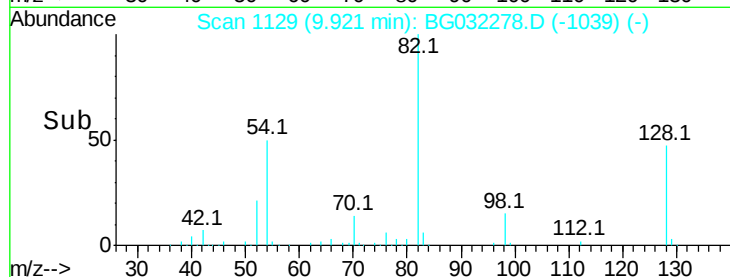
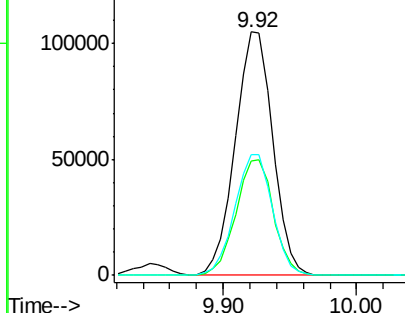
#23  
 Nitrobenzene-d5  
 Concen: 91.382 ng  
 RT: 9.92 min Scan# 1129  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 205016  
 Ion Ratio Lower Upper  
 82 100  
 128 46.7 29.7 44.5#  
 54 49.7 43.1 64.7

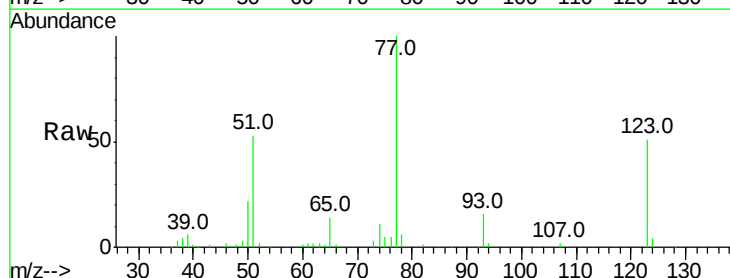


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

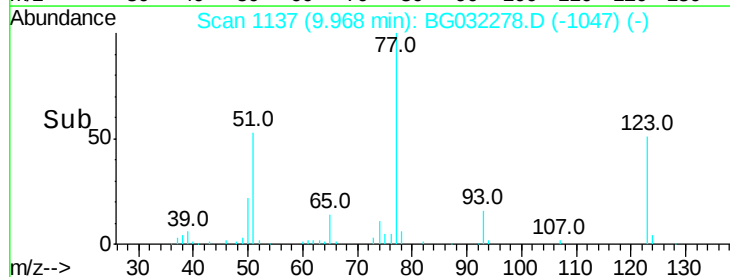
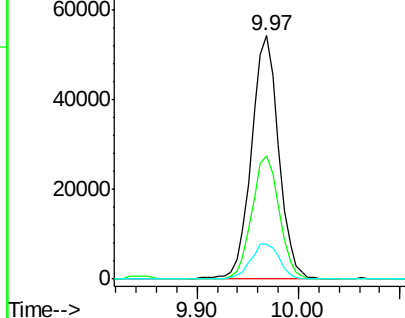


#24  
 Nitrobenzene  
 Concen: 45.286 ng  
 RT: 9.97 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion: 77 Resp: 101343  
 Ion Ratio Lower Upper  
 77 100  
 123 50.8 33.0 49.6#  
 65 14.3 13.0 19.6



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





#25

Isophorone

Concen: 44.652 ng

RT: 10.49 min Scan# 1226

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampled :

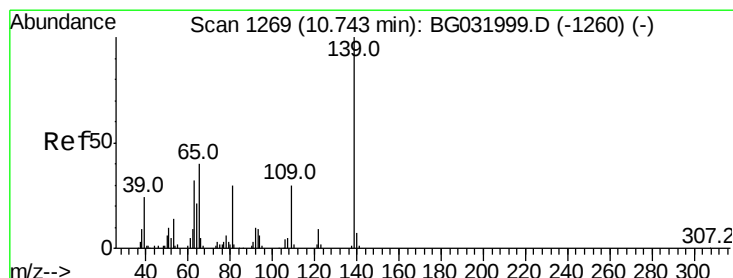
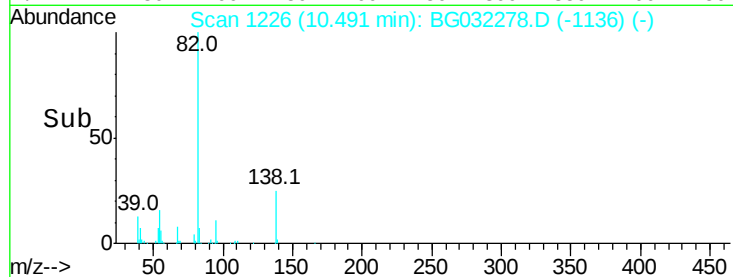
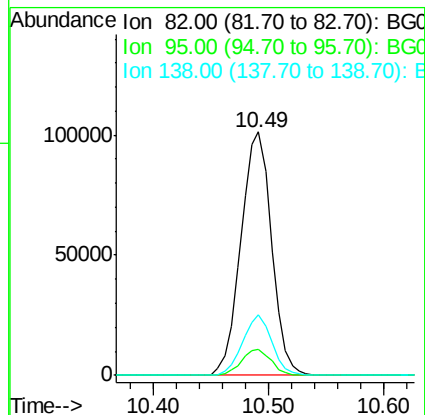
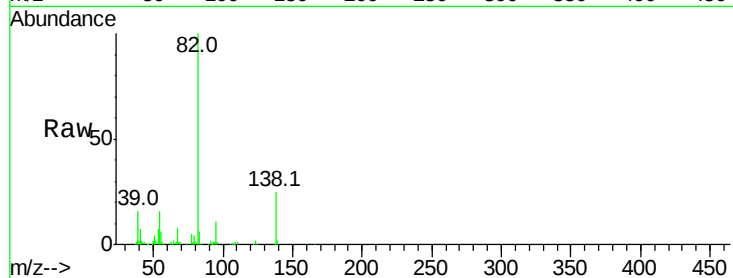
Tot Ion: 82 Resp: 186532

Ion Ratio Lower Upper

82 100

95 10.6 6.2 9.2#

138 25.1 12.1 18.1#



#26

2-Nitrophenol

Concen: 45.828 ng

RT: 10.69 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

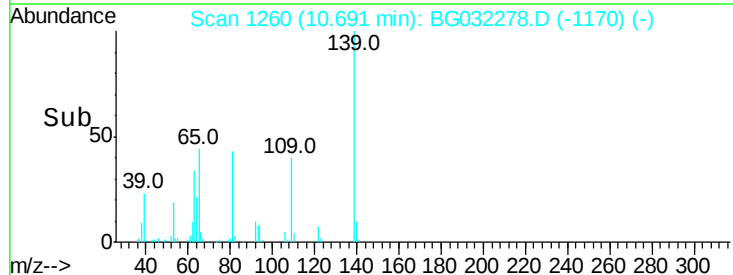
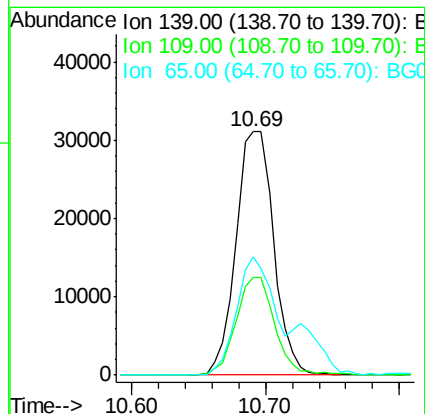
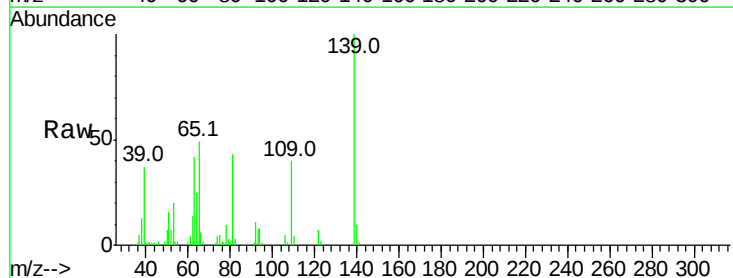
Tgt Ion: 139 Resp: 60768

Ion Ratio Lower Upper

139 100

109 40.4 24.2 36.2#

65 48.7 47.4 71.0

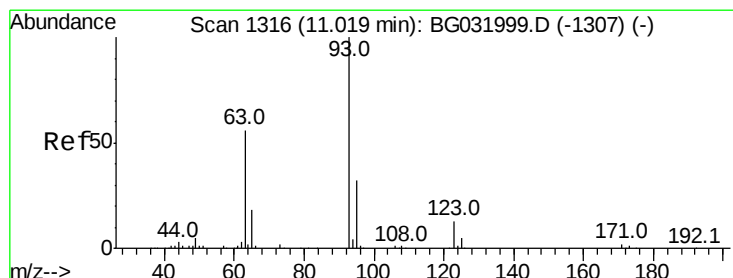
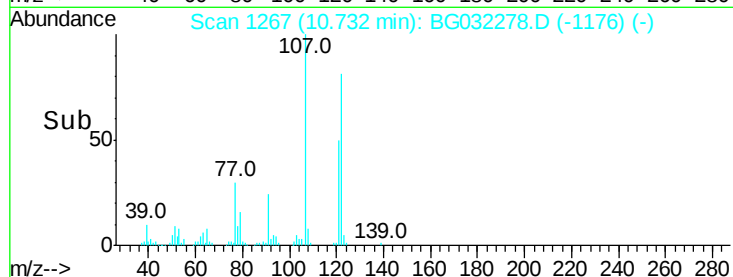
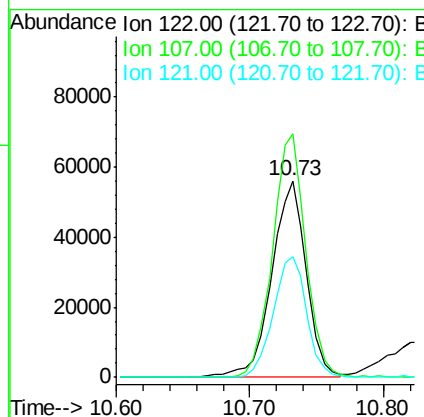
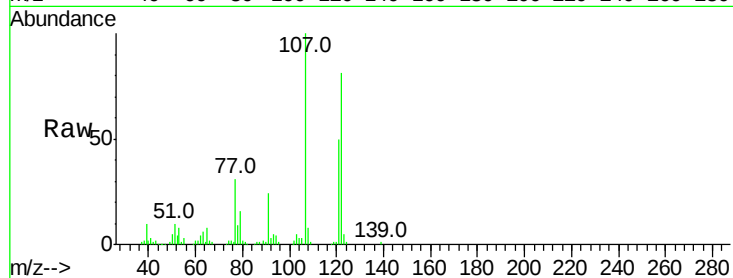




#27  
 2,4-Dimethylphenol  
 Concen: 47.808 ng  
 RT: 10.73 min Scan# 1267  
 Delta R.T. 0.01 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

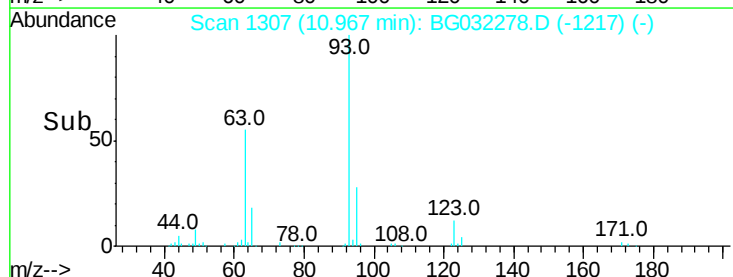
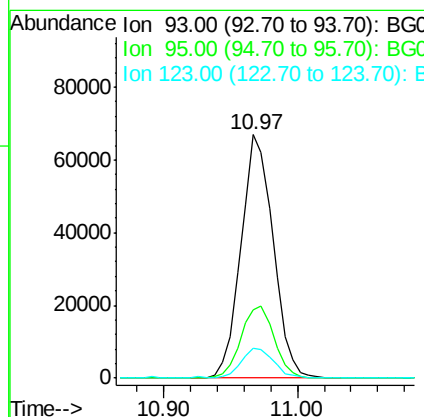
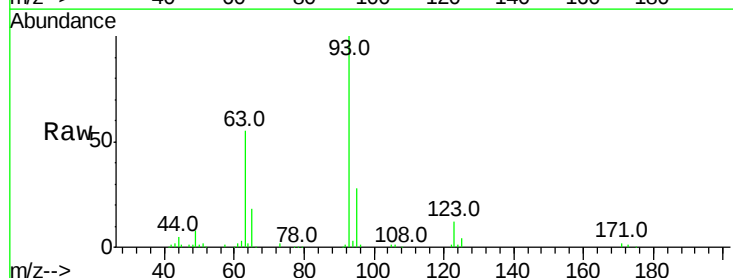
Instrument :  
 BNA\_G  
 ClientSampleId :

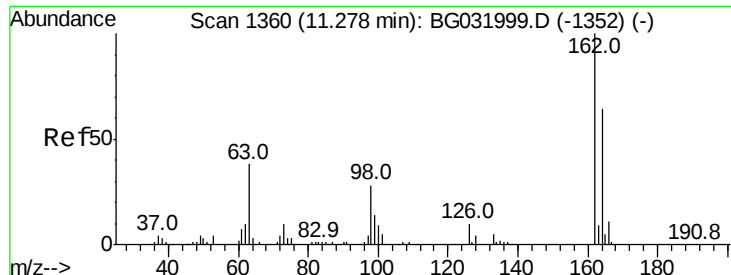
Tot Ion:122 Resp: 100599  
 Ion Ratio Lower Upper  
 122 100  
 107 123.9 100.2 150.2  
 121 61.4 44.4 66.6



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 44.262 ng  
 RT: 10.97 min Scan# 1307  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion: 93 Resp: 111404  
 Ion Ratio Lower Upper  
 93 100  
 95 28.0 24.3 36.5  
 123 12.0 8.4 12.6

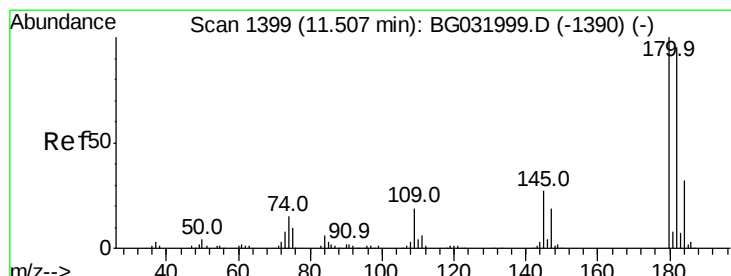
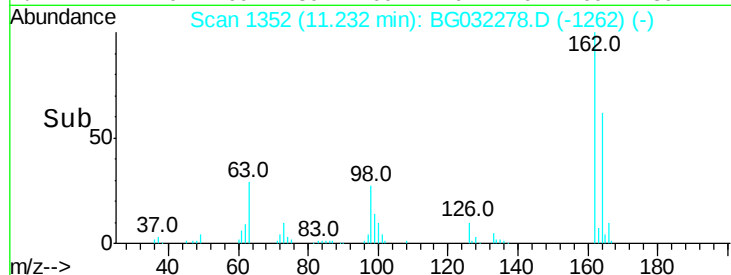
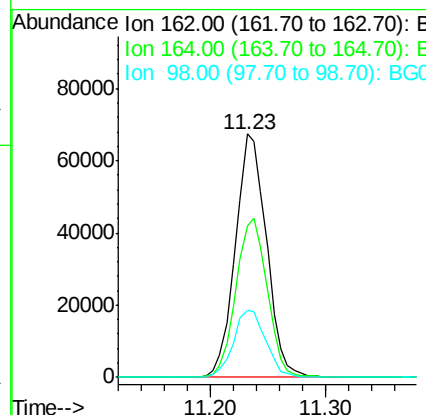
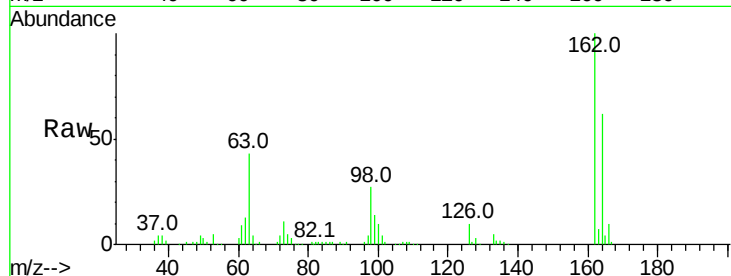




#29  
 2,4-Dichlorophenol  
 Concen: 48.537 ng  
 RT: 11.23 min Scan# 1352  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

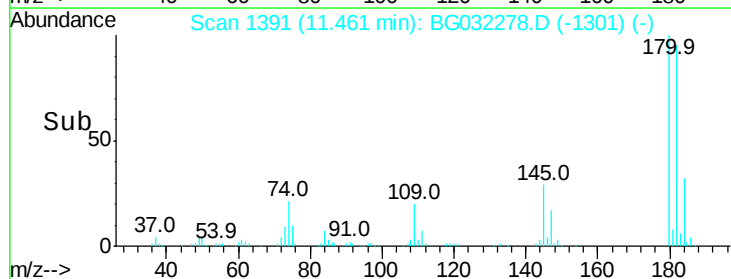
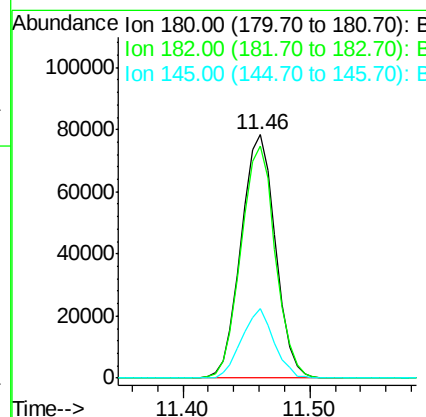
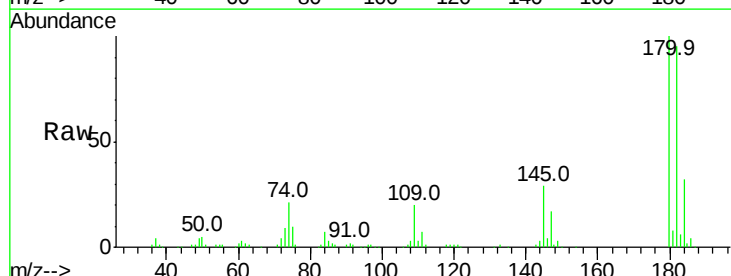
Instrument :  
 BNA\_G  
 ClientSampleId :

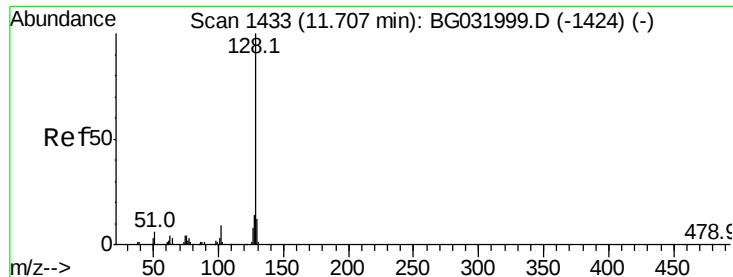
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 62.1  | 48.0  | 88.0  |
| 98      | 27.3  | 21.1  | 61.1  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 43.893 ng  
 RT: 11.46 min Scan# 1391  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.4  | 77.5  | 116.3 |
| 145     | 28.7  | 23.4  | 35.2  |





#31

Naphthalene

Concen: 41.479 ng

RT: 11.66 min Scan# 1425

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

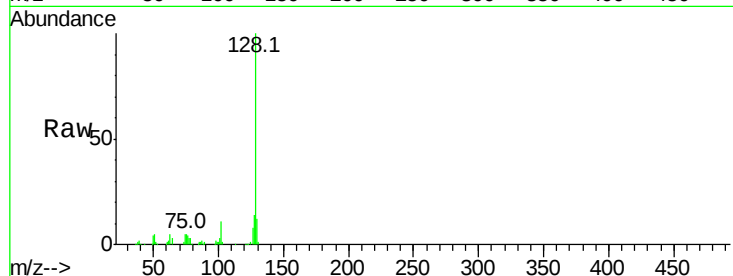
Tot Ion:128 Resp: 311878

Ion Ratio Lower Upper

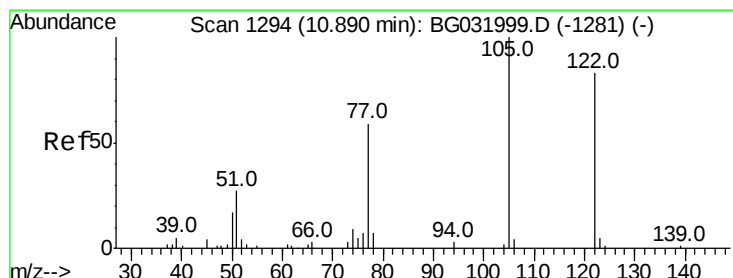
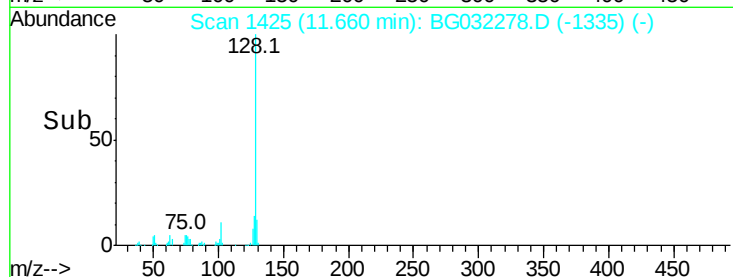
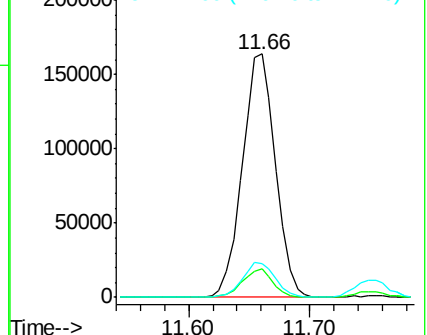
128 100

129 12.0 8.6 12.8

127 13.6 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 25.765 ng

RT: 10.83 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

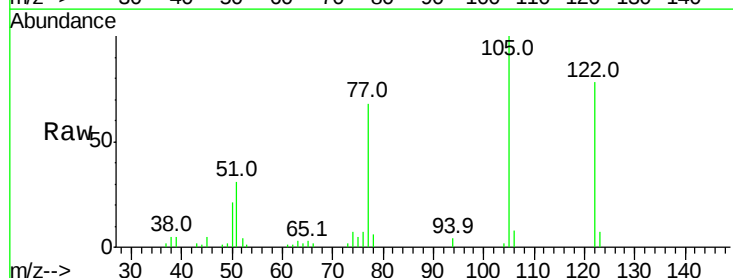
Tgt Ion:122 Resp: 38875

Ion Ratio Lower Upper

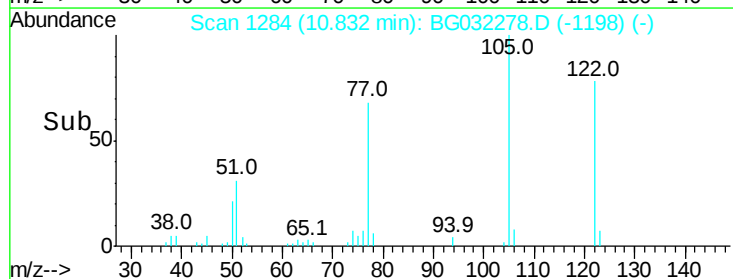
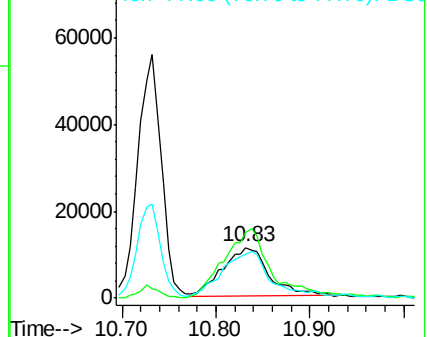
122 100

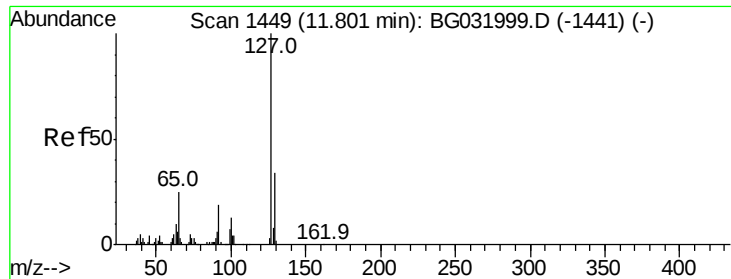
105 128.3 123.5 163.5

77 87.5 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BG

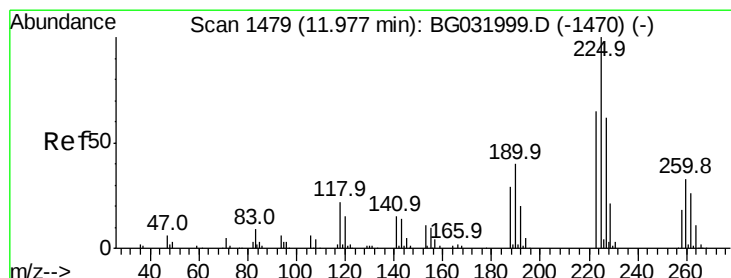
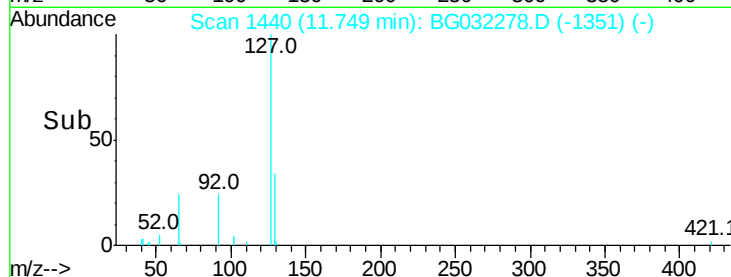
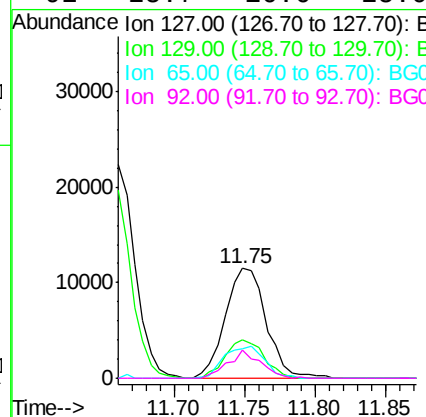
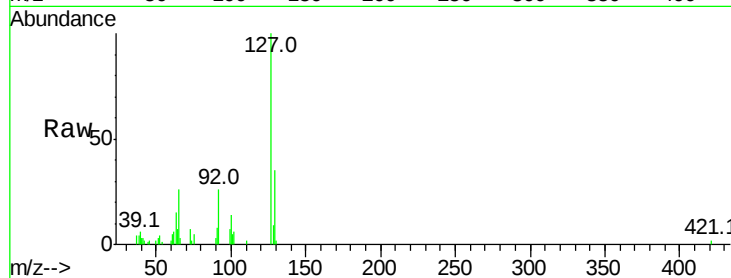




#33  
4-Chloroaniline  
Concen: 7.205 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

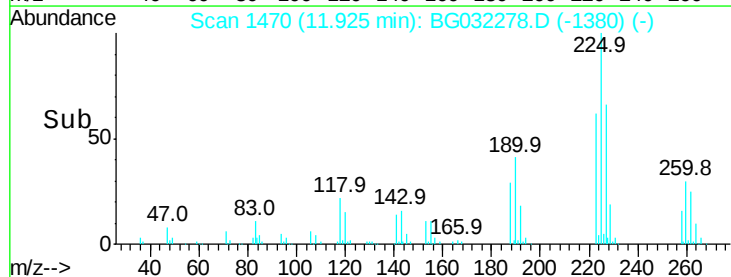
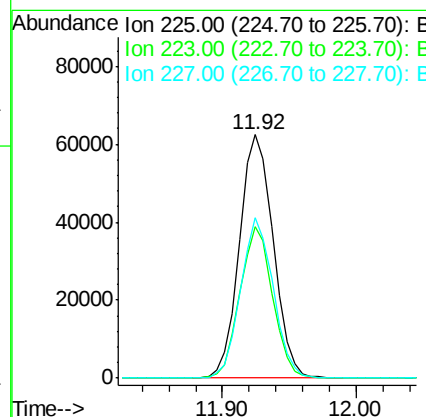
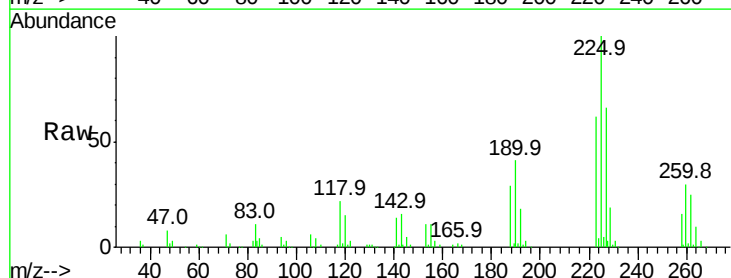
Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 35.3  | 24.0  | 36.0  |
| 65      | 26.3  | 27.0  | 40.4# |
| 92      | 25.7  | 16.6  | 25.0# |



#34  
Hexachlorobutadiene  
Concen: 45.582 ng  
RT: 11.92 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 49.7  | 74.5  |
| 227     | 65.9  | 48.1  | 72.1  |





#35

Caprolactam

Concen: 39.518 ng

RT: 12.49 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

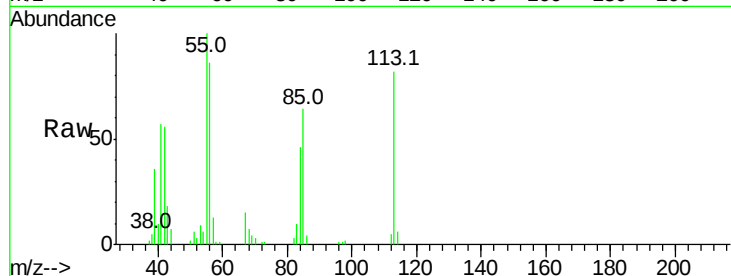
Tot Ion:113 Resp: 31041

Ion Ratio Lower Upper

113 100

55 121.7 186.9 226.9#

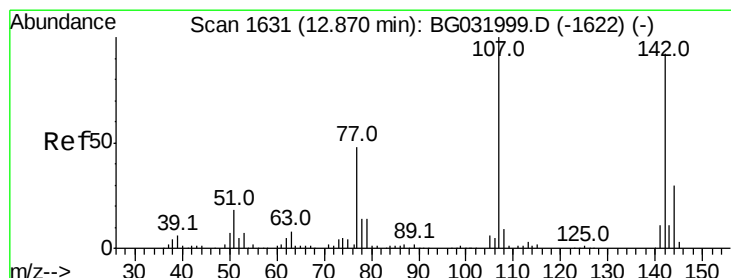
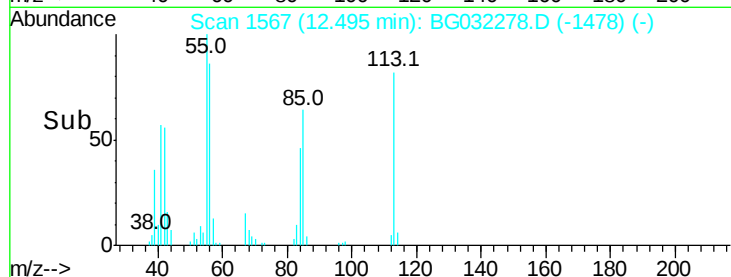
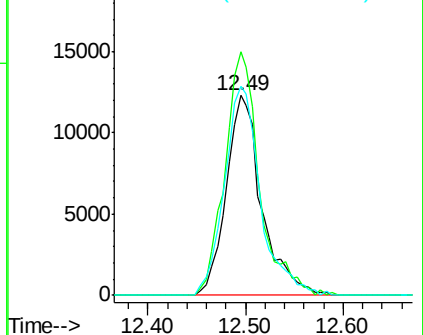
56 104.4 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 48.484 ng

RT: 12.83 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

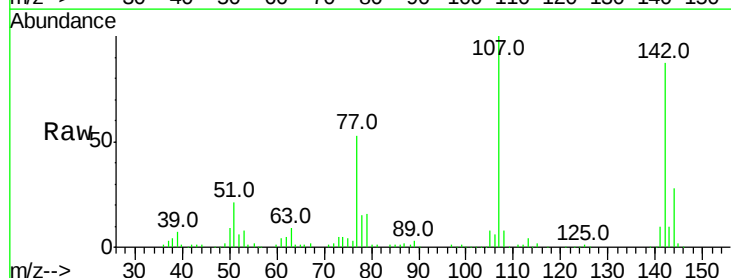
Tgt Ion:107 Resp: 114904

Ion Ratio Lower Upper

107 100

144 28.0 18.2 27.4#

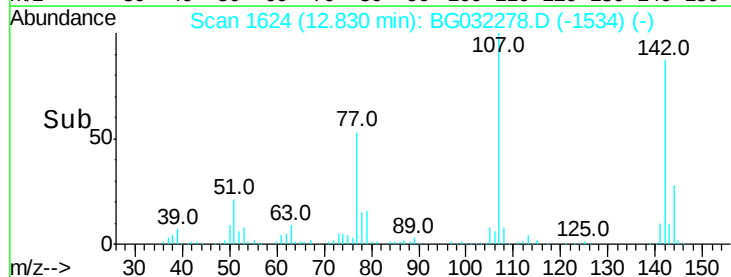
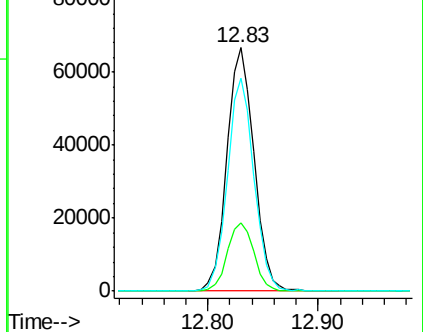
142 87.4 59.0 88.4

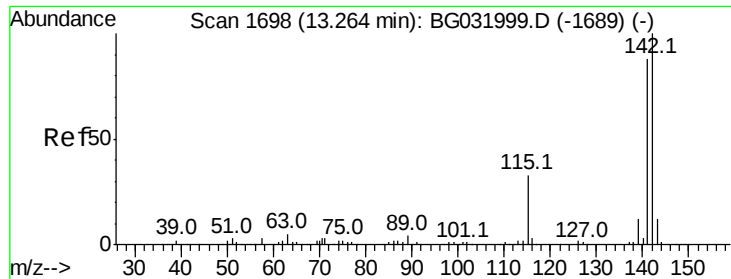


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.105 ng

RT: 13.22 min Scan# 1691

Delta R.T. -0.00 min

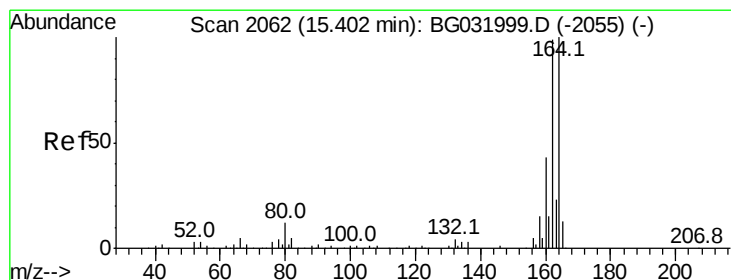
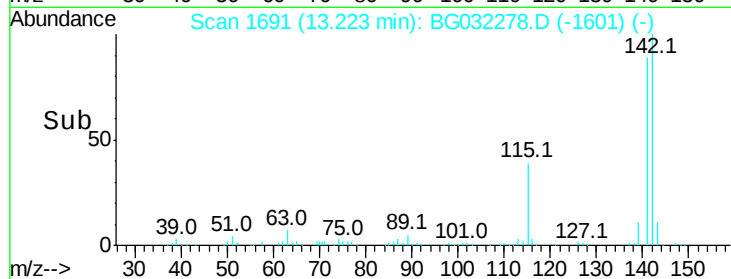
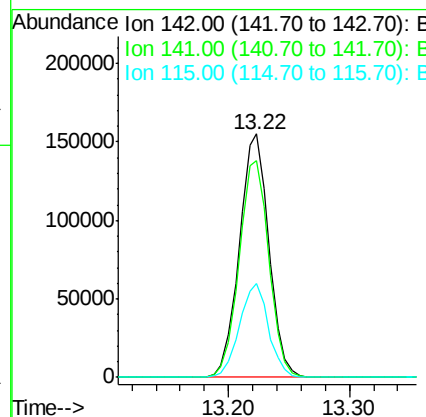
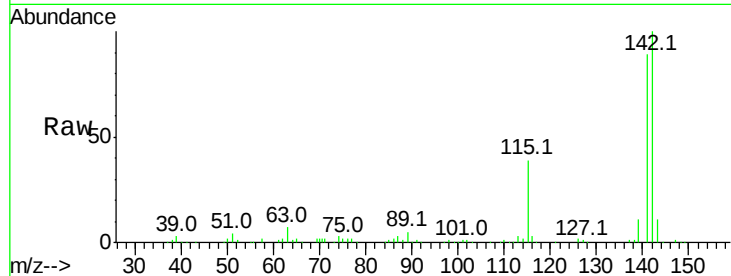
Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:142 Resp: 263282

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 89.2  | 67.1  | 100.7 |
| 115 | 38.7  | 30.7  | 46.1  |



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

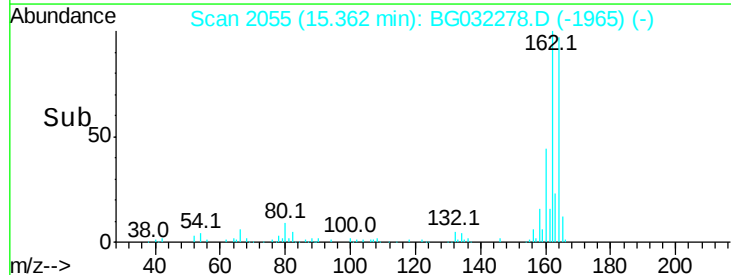
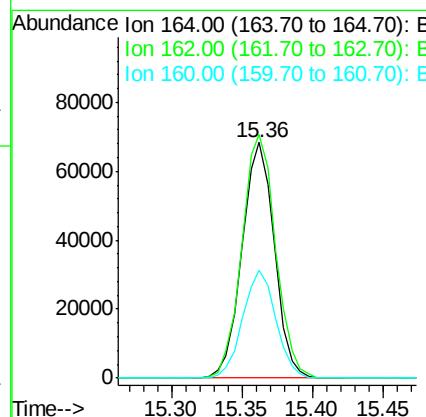
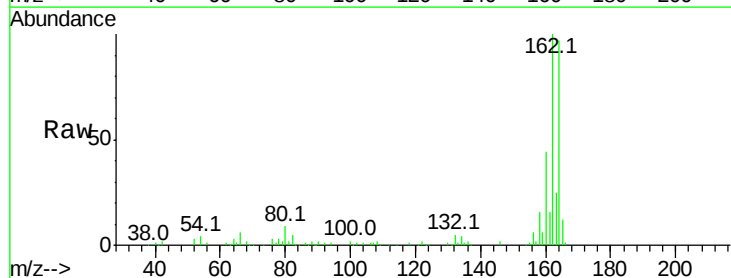
Delta R.T. -0.00 min

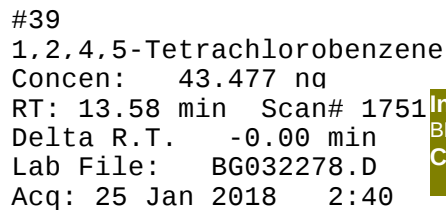
Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Tgt Ion:164 Resp: 109109

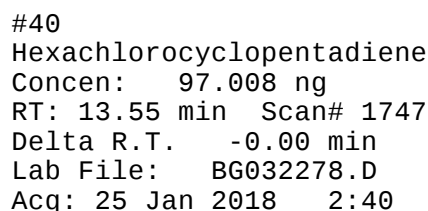
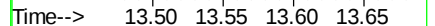
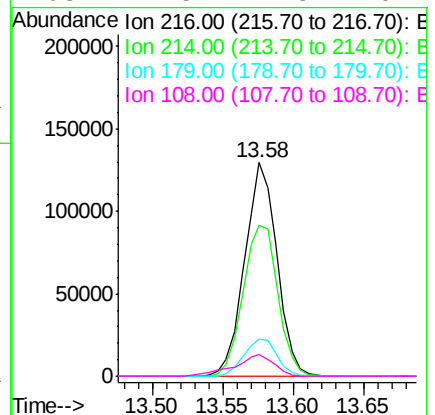
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.4 | 78.8  | 118.2 |
| 160 | 46.0  | 35.4  | 53.0  |



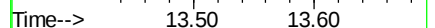
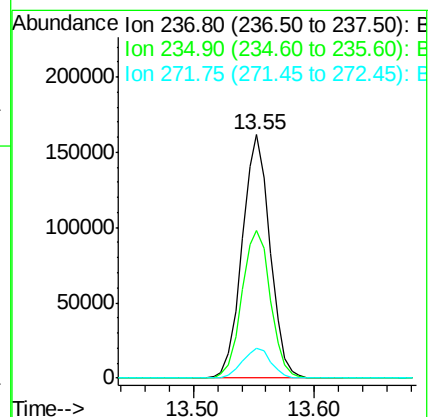


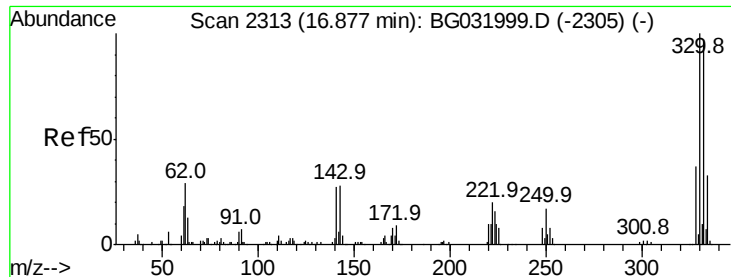
**Instrument :**  
BNA\_G  
**ClientSampleId :**

|     |         |       |        |
|-----|---------|-------|--------|
| Tot | Ion:216 | Resp: | 206778 |
| Ion | Ratio   | Lower | Upper  |
| 216 | 100     |       |        |
| 214 | 76.3    | 63.0  | 94.4   |
| 179 | 18.2    | 17.0  | 25.6   |
| 108 | 12.5    | 12.8  | 19.2#  |



|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:237 | Resp: | 259864 |
| Ion | Ratio   | Lower | Upper  |
| 237 | 100     |       |        |
| 235 | 60.6    | 50.4  | 90.4   |
| 272 | 12.4    | 0.0   | 31.8   |





#41

2,4,6-Tribromophenol

Concen: 135.312 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

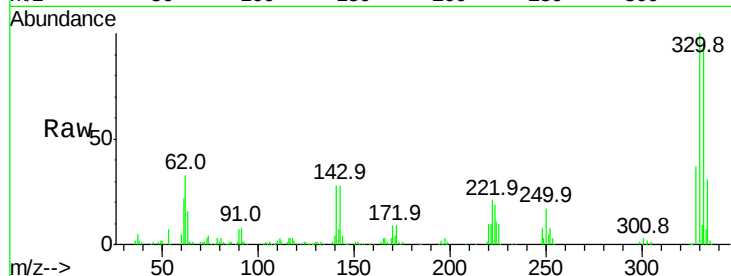
Tot Ion:330 Resp: 244305

Ion Ratio Lower Upper

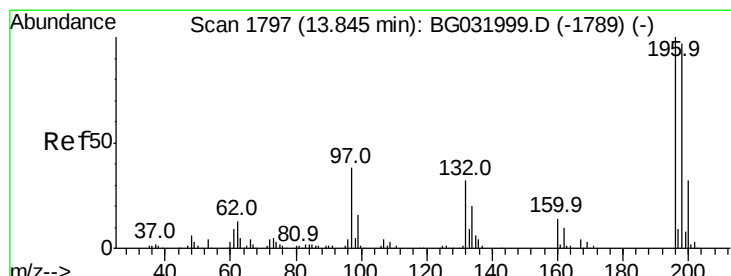
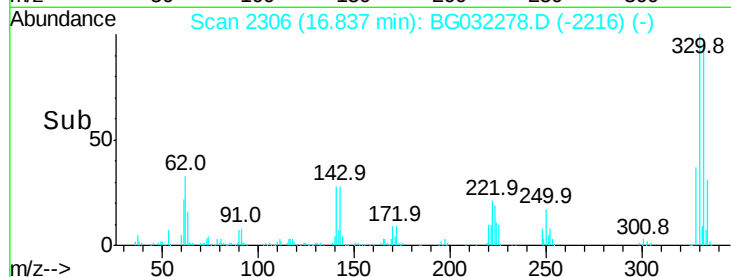
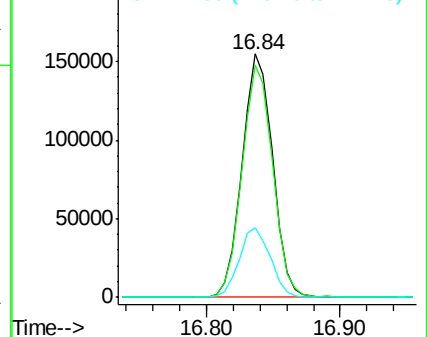
330 100

332 96.4 77.0 115.6

141 29.3 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 46.041 ng

RT: 13.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

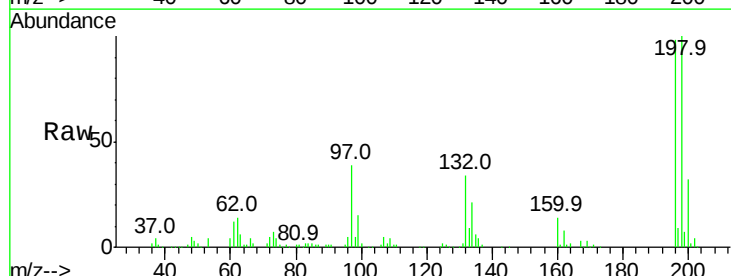
Tgt Ion:196 Resp: 123037

Ion Ratio Lower Upper

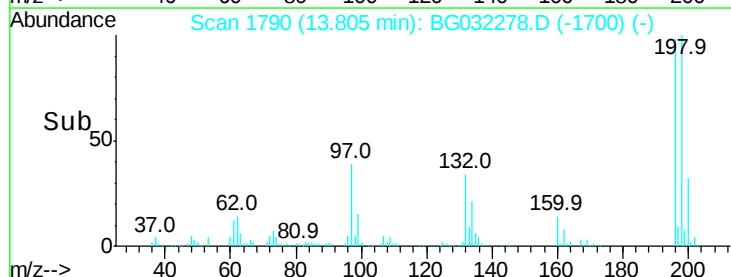
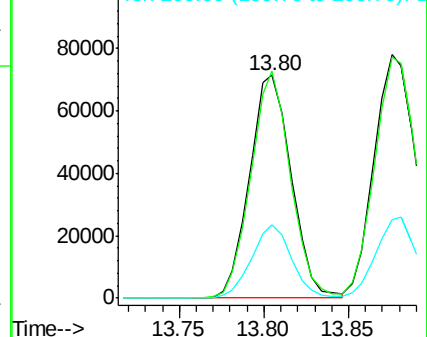
196 100

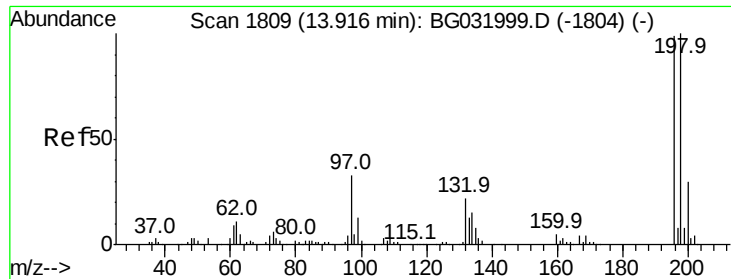
198 101.9 78.2 117.2

200 32.7 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E  
Ion 198.00 (197.70 to 198.70): E  
Ion 200.00 (199.70 to 200.70): E

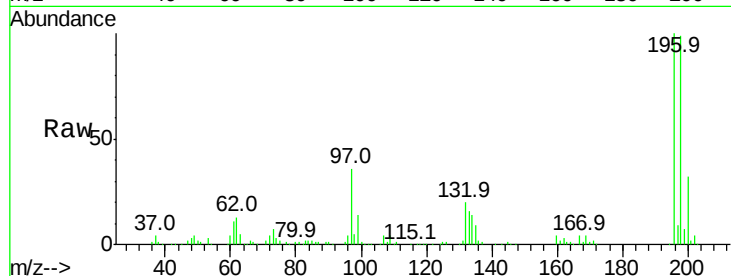




#43  
 2,4,5-Trichlorophenol  
 Concen: 43.102 ng  
 RT: 13.88 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 98.9  | 76.2  | 114.4 |
| 97      | 36.1  | 38.7  | 58.1# |
| 132     | 19.6  | 20.2  | 30.2# |



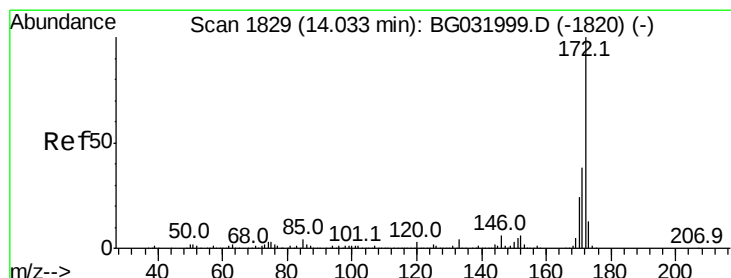
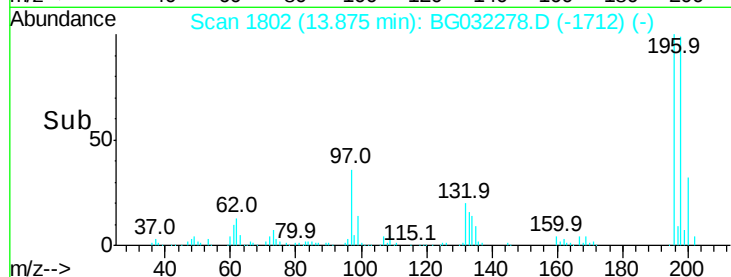
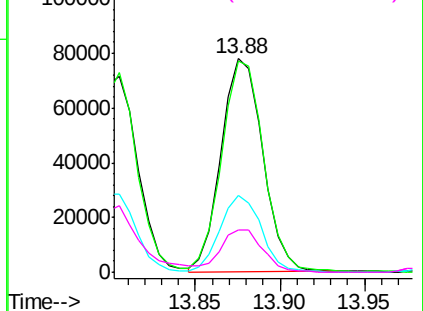
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 81.085 ng  
 RT: 13.99 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

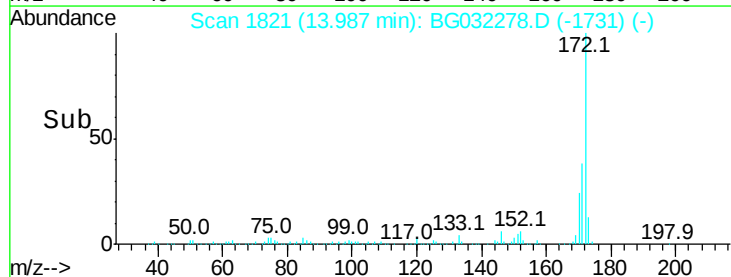
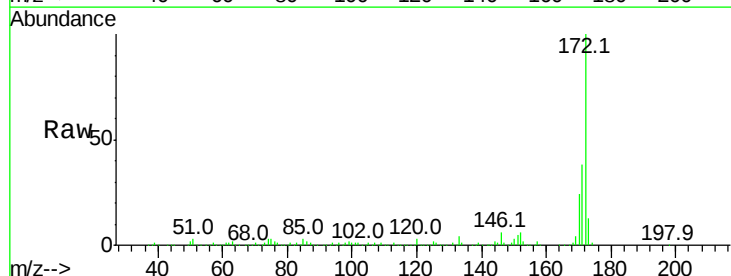
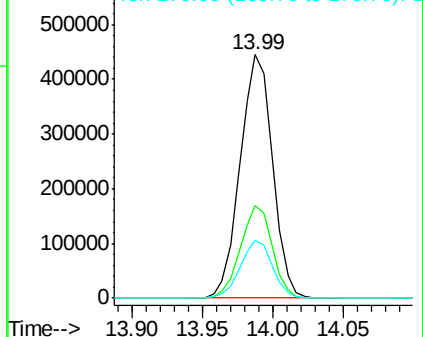
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.0  | 45.0  |
| 170     | 23.6  | 19.5  | 29.3  |

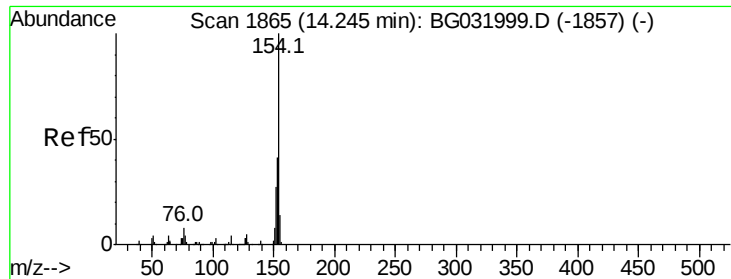
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

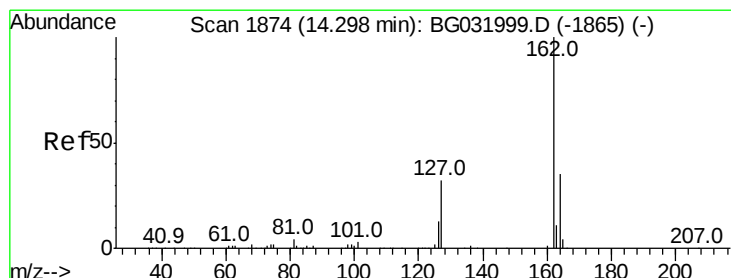
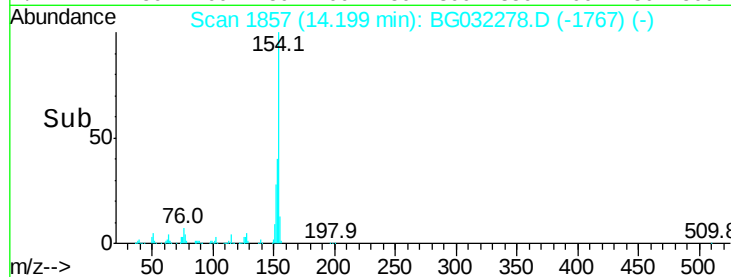
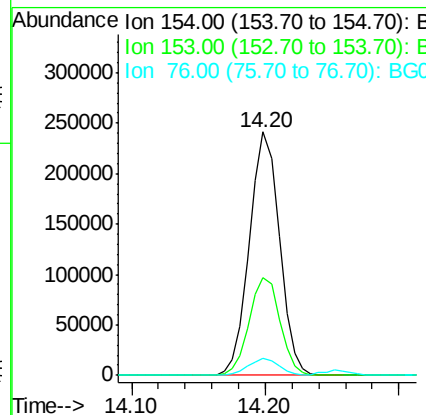
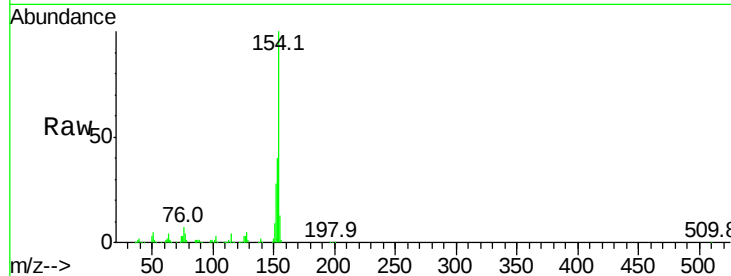




#45  
 1,1'-Biphenyl  
 Concen: 40.029 ng  
 RT: 14.20 min Scan# 1857  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

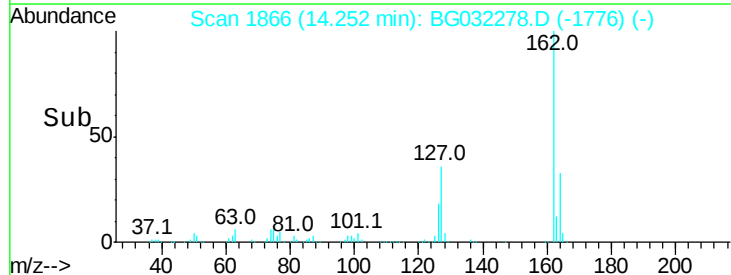
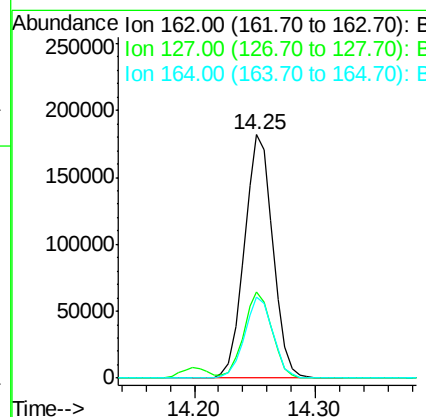
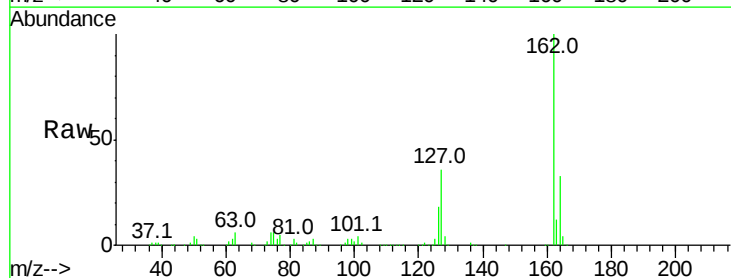
Instrument :  
 BNA\_G  
 ClientSampleId :

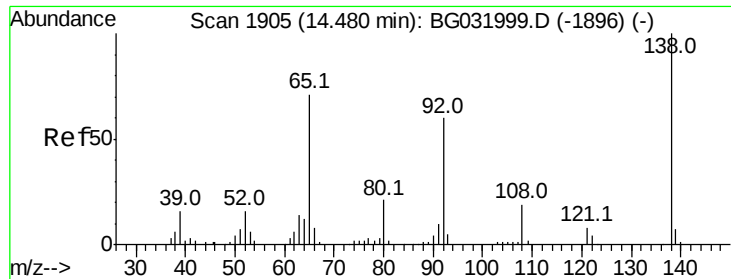
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.1  | 19.8  | 59.8  |
| 76      | 7.0   | 0.0   | 31.9  |



#46  
 2-Chloronaphthalene  
 Concen: 40.904 ng  
 RT: 14.25 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.5  | 30.7  | 46.1  |
| 164     | 33.2  | 26.0  | 39.0  |

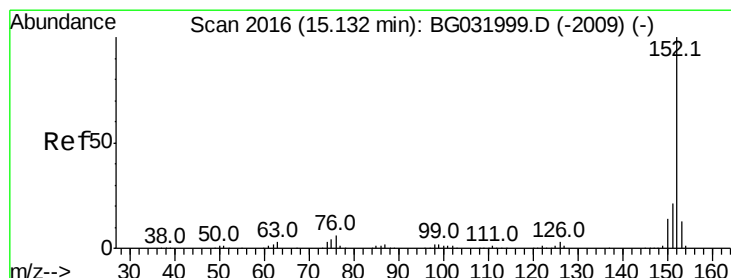
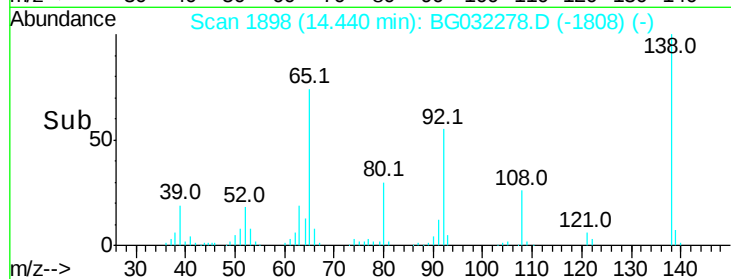
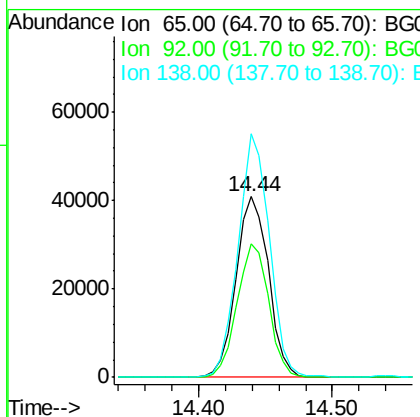
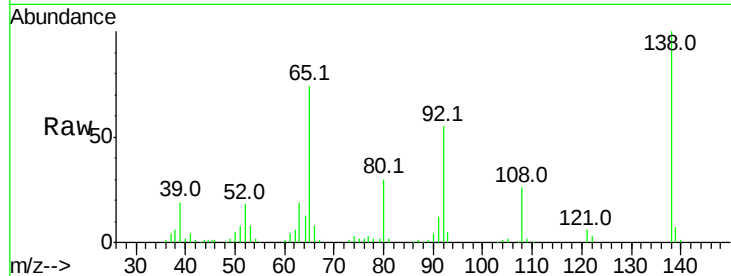




#47  
2-Nitroaniline  
Concen: 49.420 ng  
RT: 14.44 min Scan# 1898  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

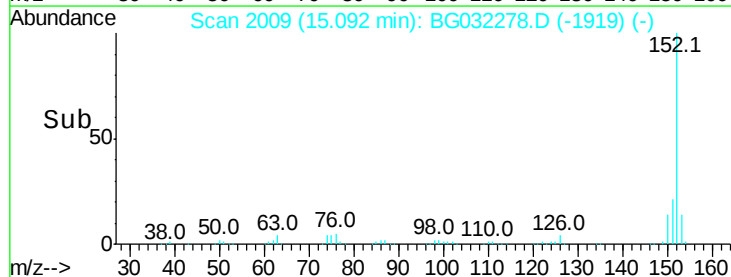
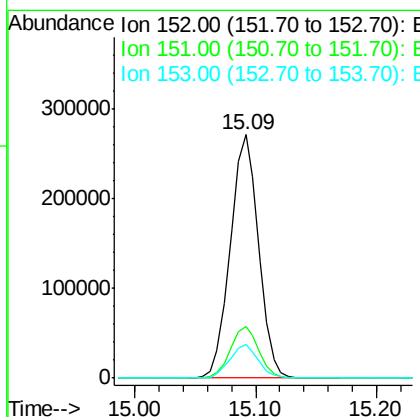
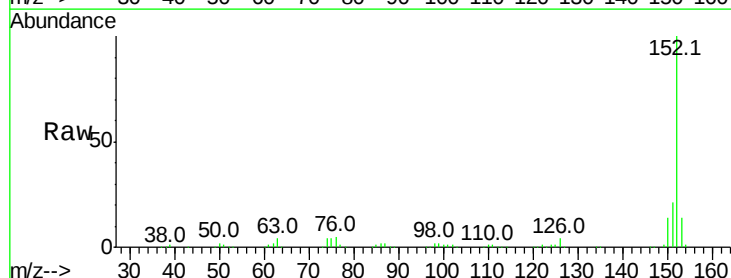
Instrument :  
BNA\_G  
ClientSampleId :

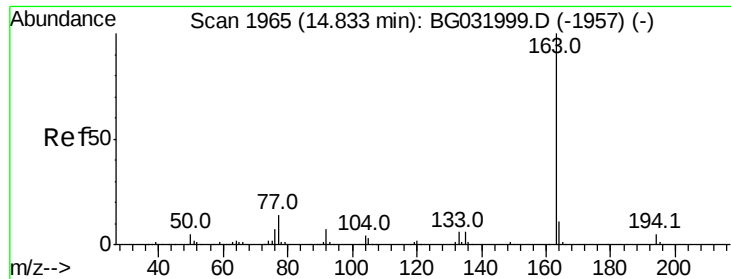
Tot Ion: 65 Resp: 68842  
Ion Ratio Lower Upper  
65 100  
92 73.7 54.6 82.0  
138 134.9 72.9 109.3#



#48  
Acenaphthylene  
Concen: 39.710 ng  
RT: 15.09 min Scan# 2009  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion:152 Resp: 440014  
Ion Ratio Lower Upper  
152 100  
151 21.1 17.2 25.8  
153 13.6 10.2 15.4





#49

Dimethylphthalate

Concen: 41.987 ng

RT: 14.79 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

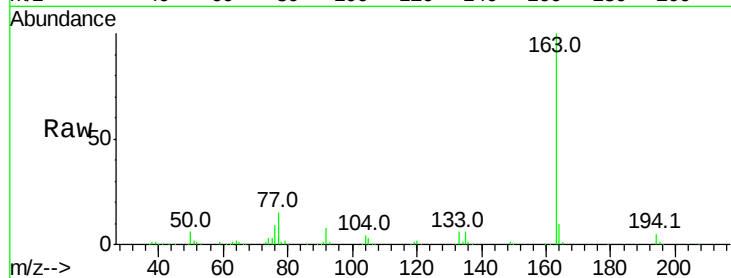
Tot Ion:163 Resp: 400893

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

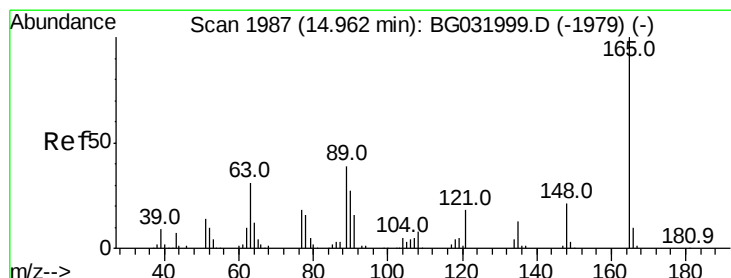
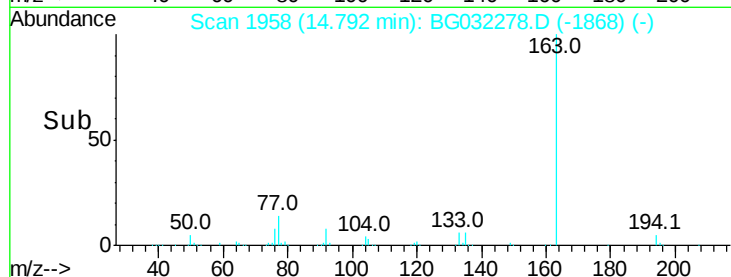
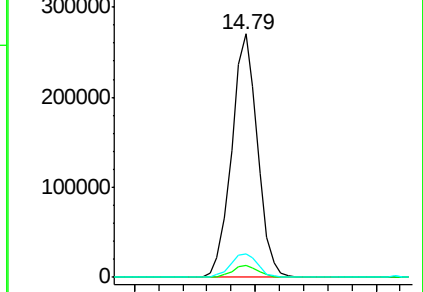
164 9.9 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 45.556 ng

RT: 14.92 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

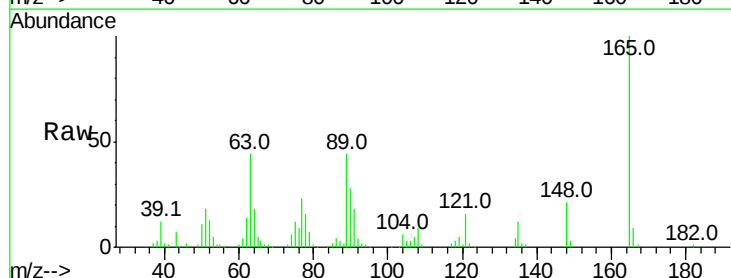
Tgt Ion:165 Resp: 90283

Ion Ratio Lower Upper

165 100

63 43.6 52.7 79.1#

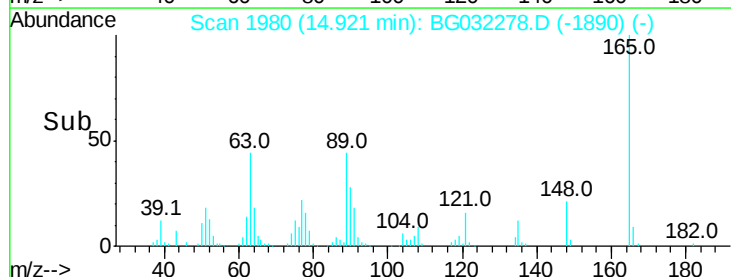
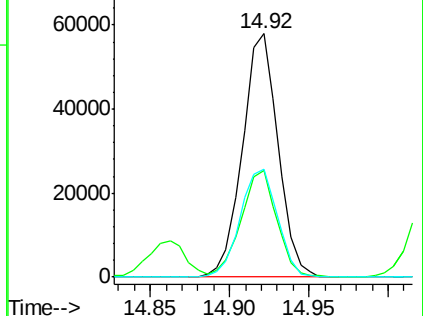
89 44.4 49.2 73.8#

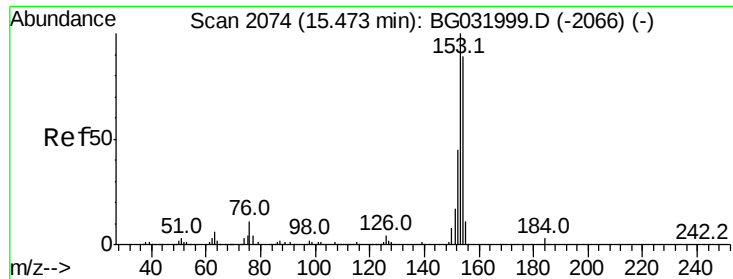


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 46.758 ng

RT: 15.43 min Scan# 2066

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

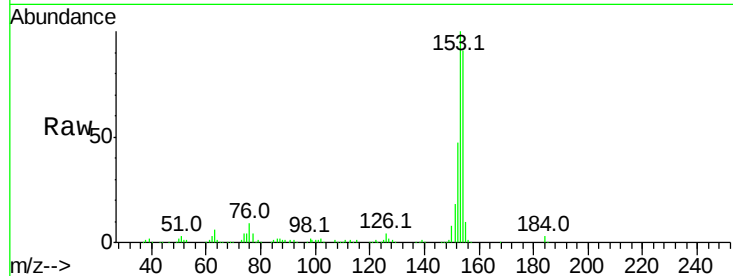
Tot Ion:154 Resp: 342593

Ion Ratio Lower Upper

154 100

153 110.3 90.4 135.6

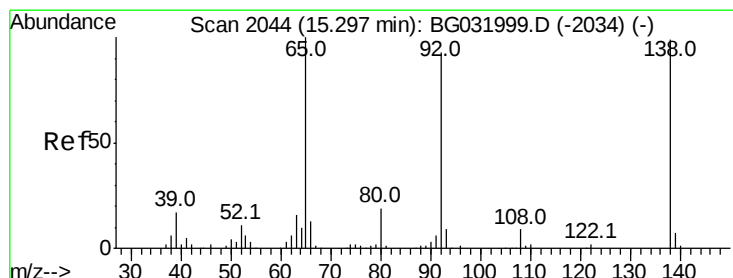
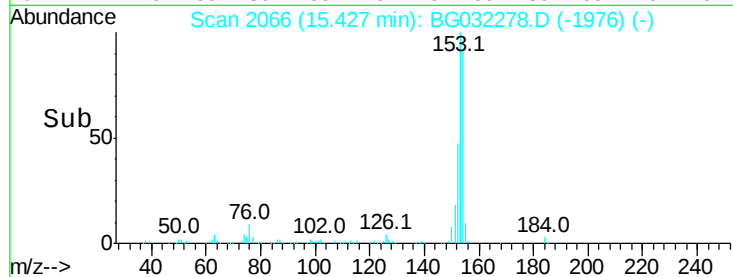
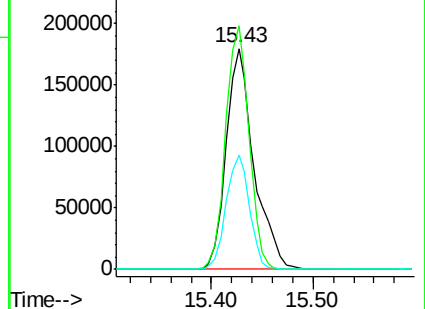
152 51.8 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 15.127 ng

RT: 15.25 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

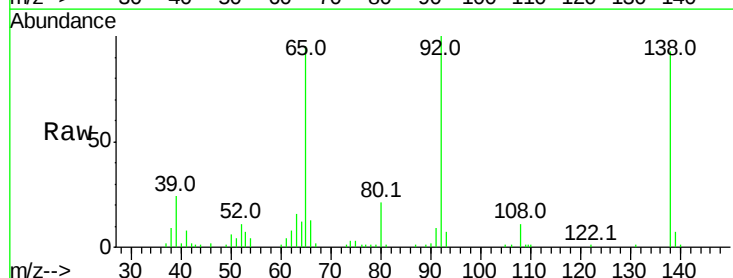
Tgt Ion:138 Resp: 27076

Ion Ratio Lower Upper

138 100

108 11.8 17.5 26.3#

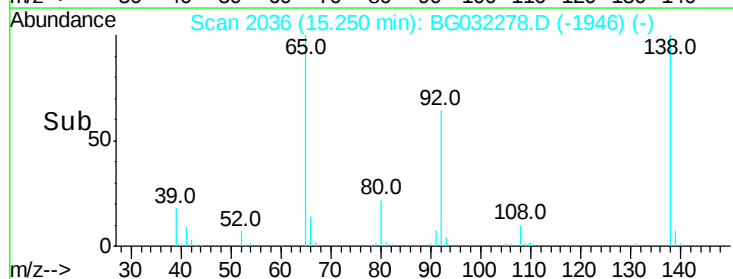
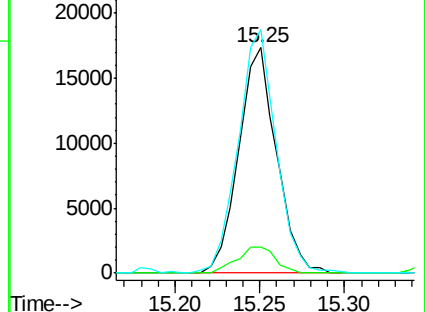
92 108.0 105.8 158.8

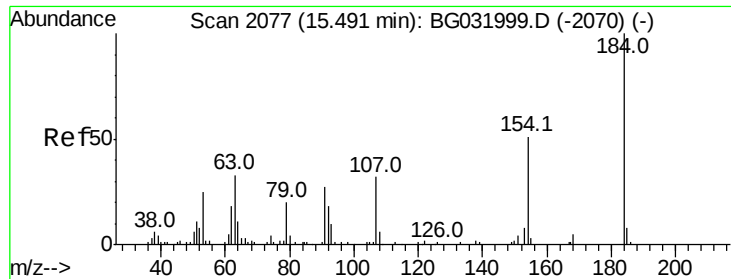


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

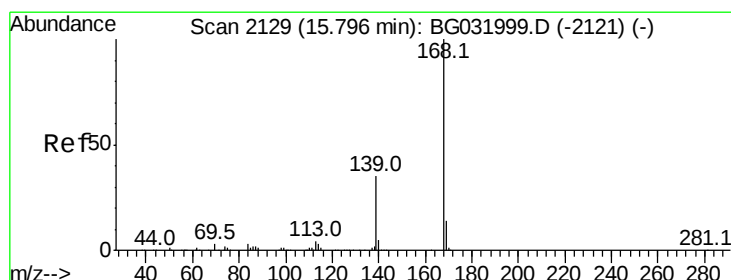
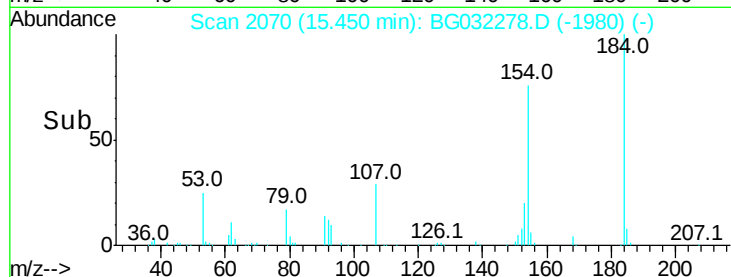
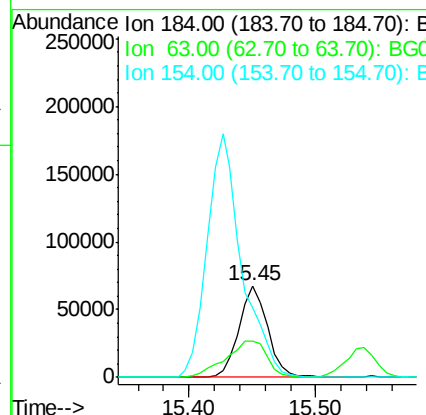
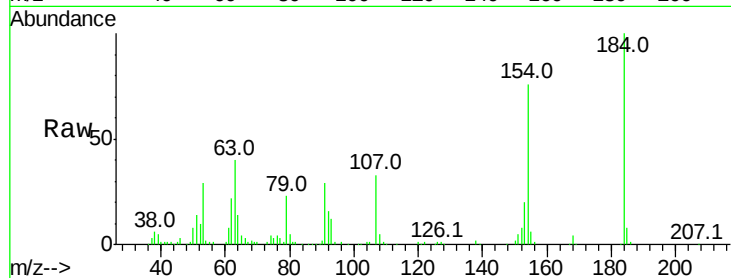




#53  
2,4-Dinitrophenol  
Concen: 103.621 ng  
RT: 15.45 min Scan# 2070  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

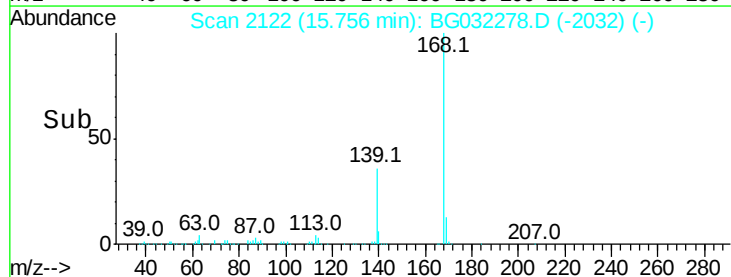
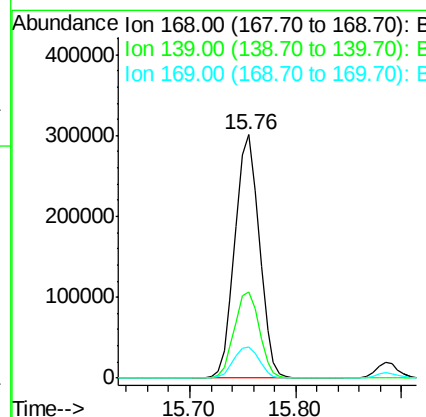
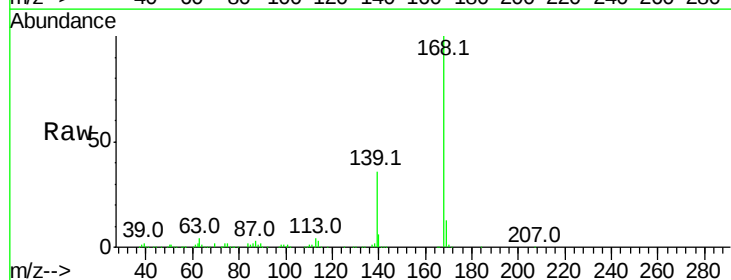
Instrument :  
BNA\_G  
ClientSampleId :

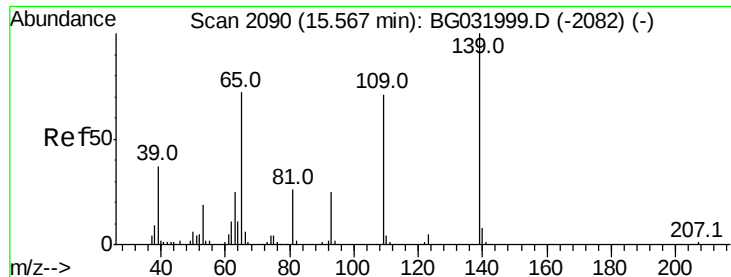
Tot Ion:184 Resp: 105254  
Ion Ratio Lower Upper  
184 100  
63 40.3 59.8 89.8#  
154 76.5 101.8 152.8#



#54  
Dibenzofuran  
Concen: 43.858 ng  
RT: 15.76 min Scan# 2122  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion:168 Resp: 479377  
Ion Ratio Lower Upper  
168 100  
139 35.6 28.6 43.0  
169 12.8 11.2 16.8

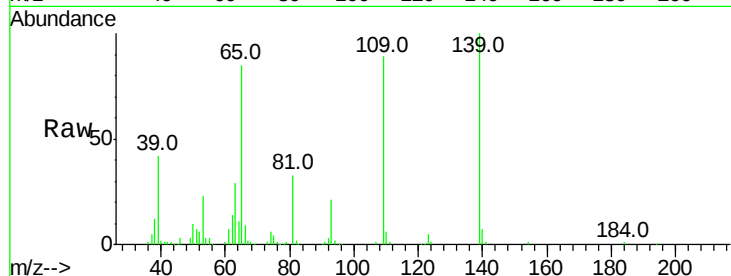




#55  
4-Nitrophenol  
Concen: 93.693 ng  
RT: 15.54 min Scan# 2085  
Delta R.T. 0.01 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 89.0  | 62.2  | 102.2  |
| 65      | 84.9  | 97.2  | 137.2# |

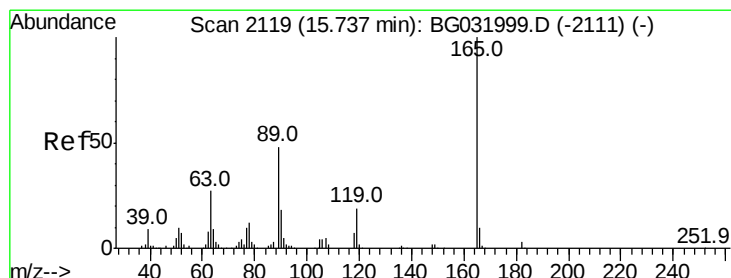
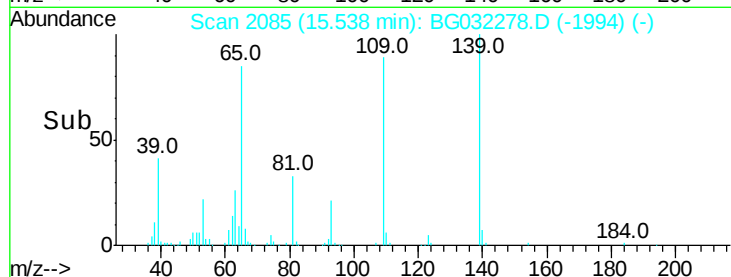
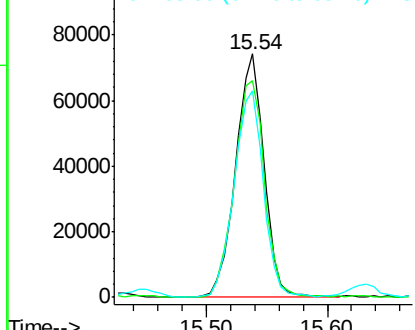


Abundance

Ion 139.00 (138.70 to 139.70): E

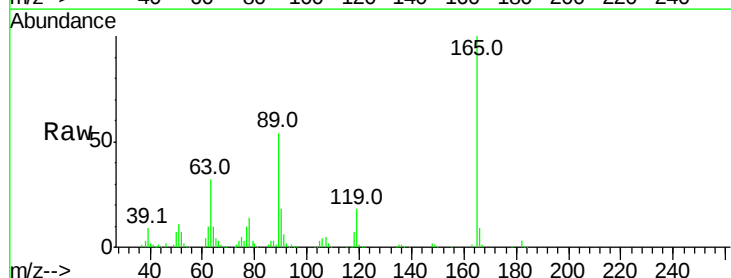
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56  
2,4-Dinitrotoluene  
Concen: 50.098 ng  
RT: 15.70 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 32.4  | 42.0  | 63.0#  |
| 89      | 54.1  | 66.9  | 100.3# |
| 182     | 3.4   | 2.6   | 3.8    |



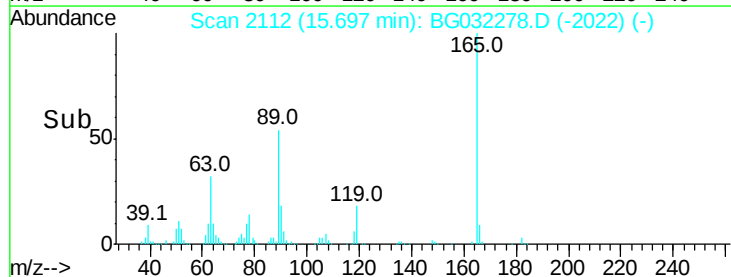
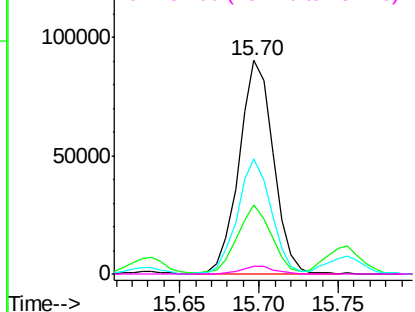
Abundance

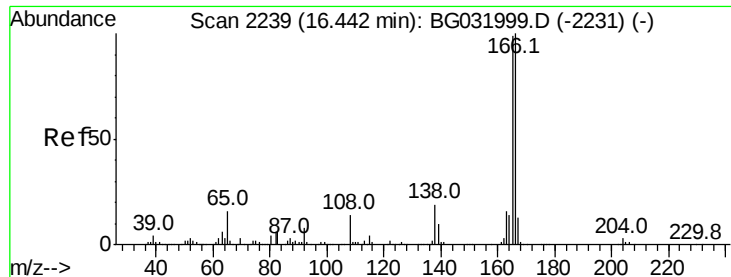
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

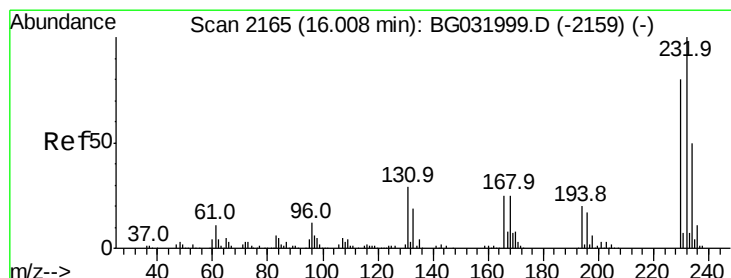
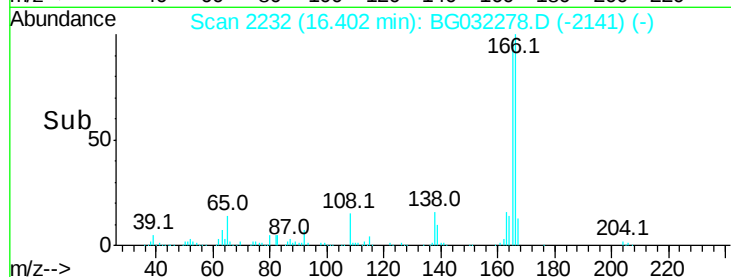
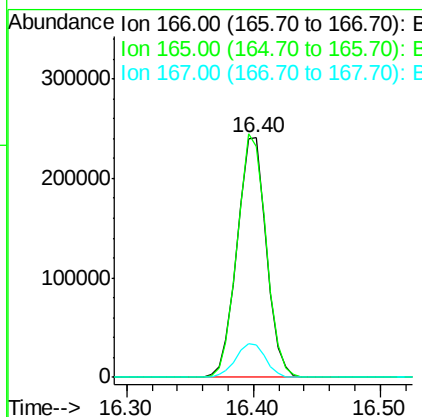
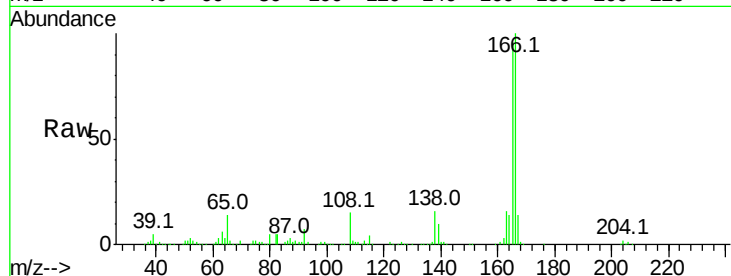




#57  
 Fluorene  
 Concen: 42.851 ng  
 RT: 16.40 min Scan# 2232  
 Delta R.T. 0.01 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

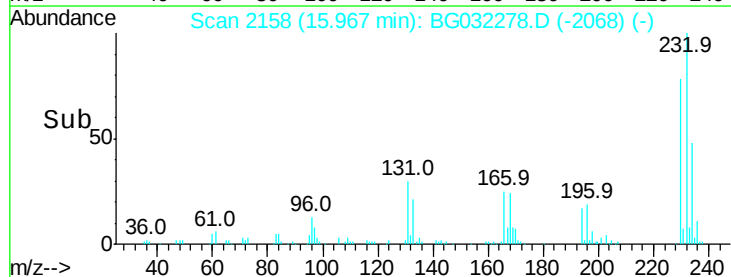
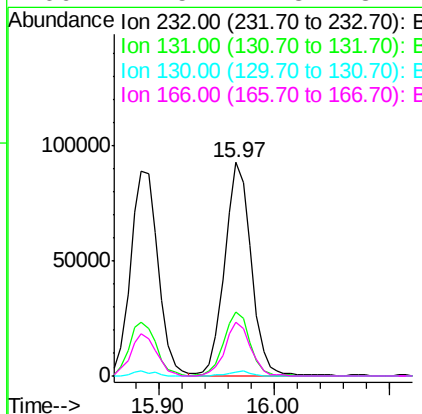
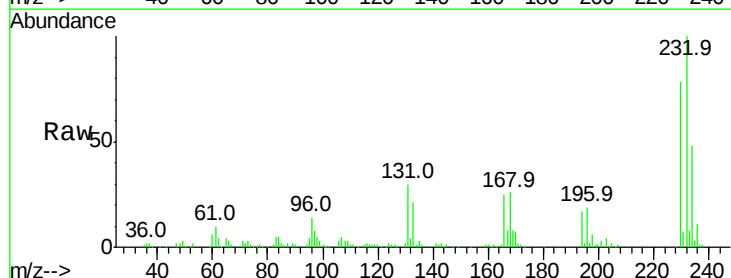
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.0  | 80.6  | 121.0 |
| 167     | 13.6  | 10.4  | 15.6  |



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 51.358 ng  
 RT: 15.97 min Scan# 2158  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 29.7  | 33.5  | 50.3# |
| 130     | 2.0   | 2.2   | 3.2#  |
| 166     | 24.5  | 24.8  | 37.2# |





#59

Diethylphthalate

Concen: 43.015 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

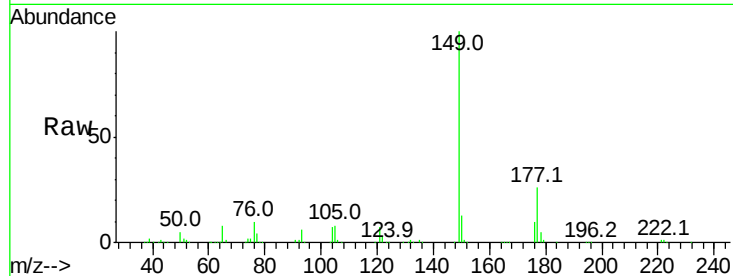
Tot Ion:149 Resp: 398161

Ion Ratio Lower Upper

149 100

177 26.5 18.5 27.7

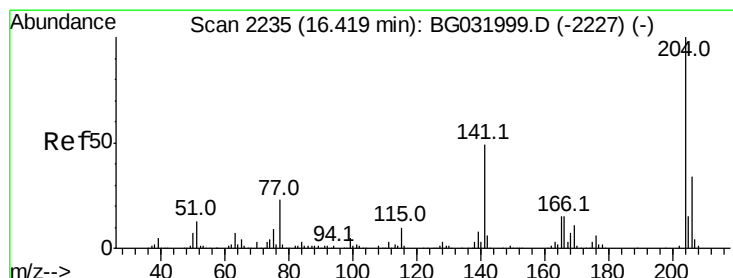
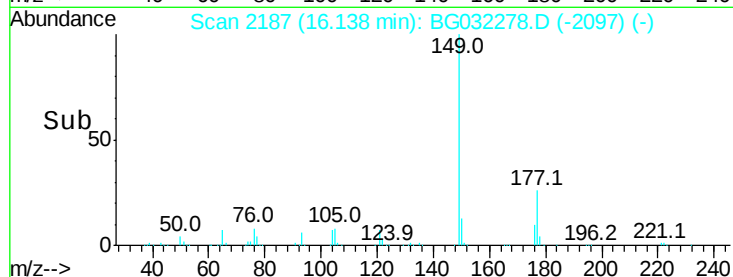
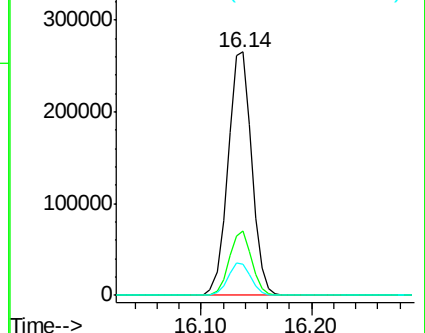
150 13.0 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.656 ng

RT: 16.38 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

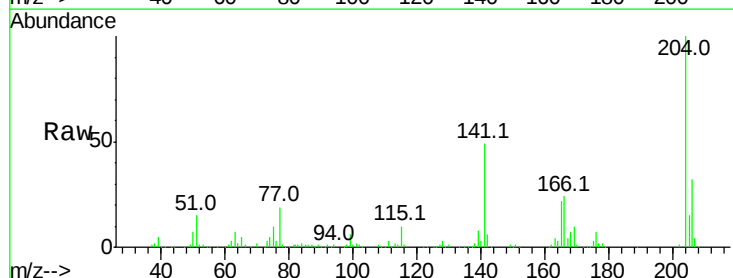
Tgt Ion:204 Resp: 245563

Ion Ratio Lower Upper

204 100

206 32.5 26.2 39.2

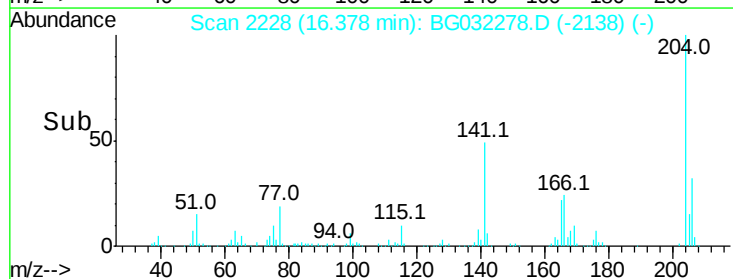
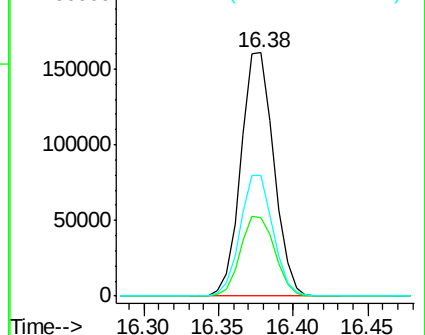
141 49.4 45.8 68.6

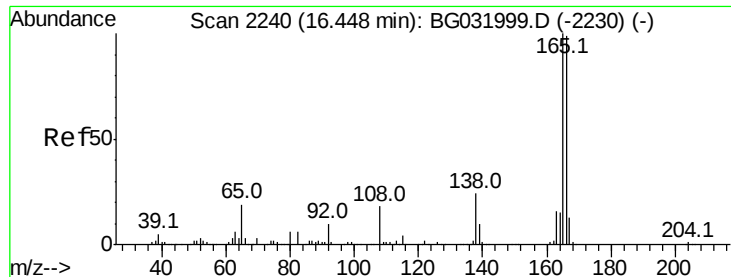


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

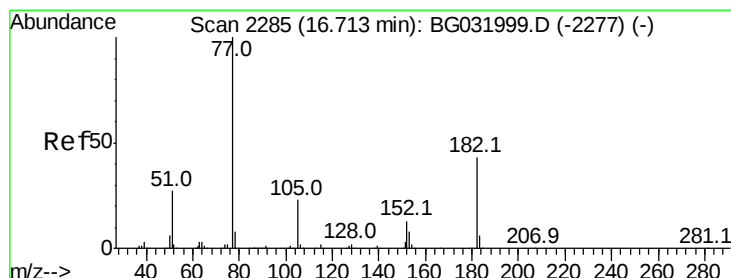
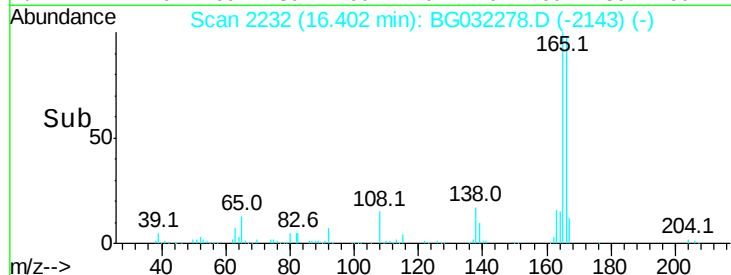
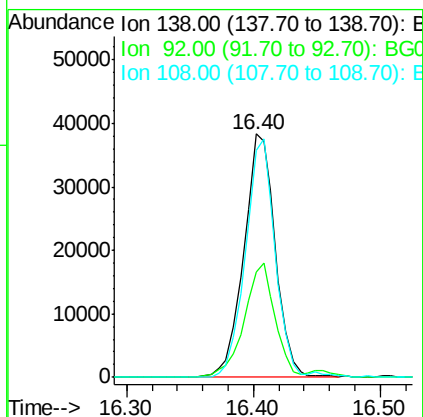
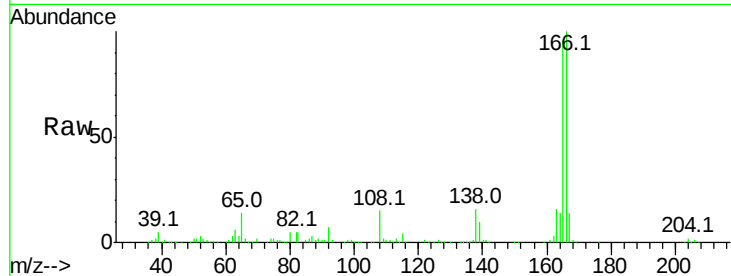




#61  
4-Nitroaniline  
Concen: 38.404 ng  
RT: 16.40 min Scan# 2232  
Delta R.T. -0.01 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

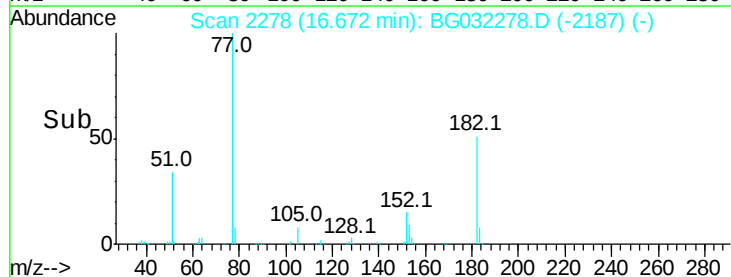
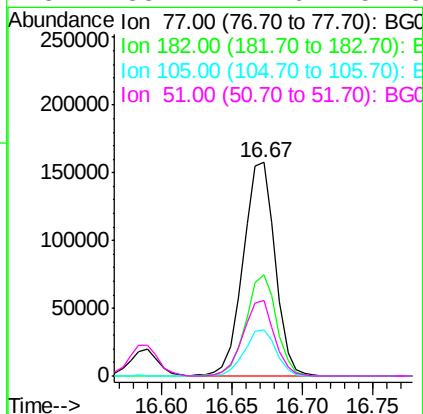
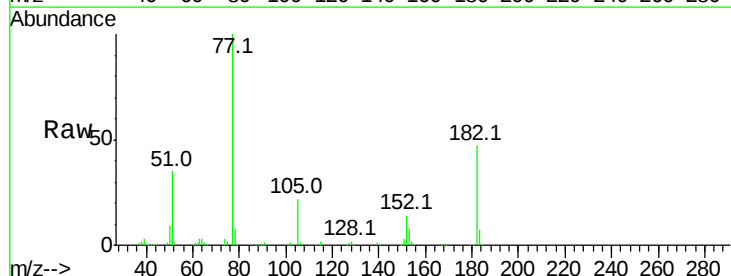
Instrument :  
BNA\_G  
ClientSampled :

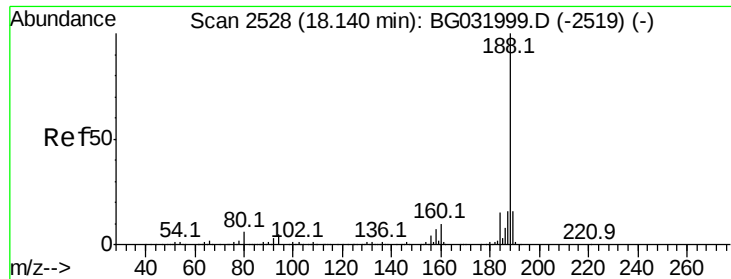
Tot Ion:138 Resp: 65941  
Ion Ratio Lower Upper  
138 100  
92 43.2 40.1 80.1  
108 93.3 65.4 105.4



#62  
Azobenzene  
Concen: 43.081 ng  
RT: 16.67 min Scan# 2278  
Delta R.T. 0.01 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion: 77 Resp: 249591  
Ion Ratio Lower Upper  
77 100  
182 47.1 7.4 47.4  
105 21.8 0.3 40.3  
51 35.4 11.6 51.6

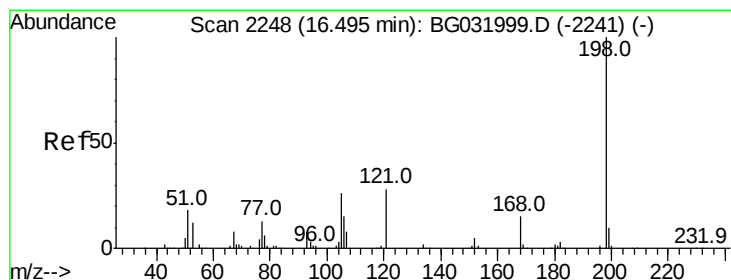
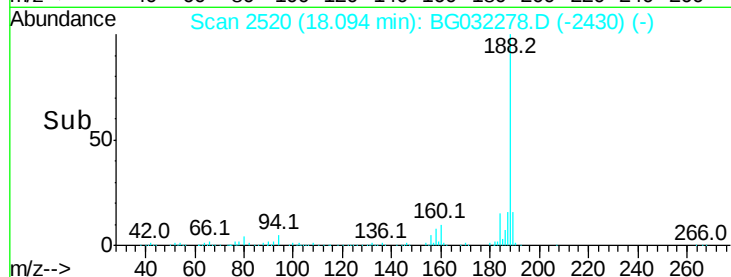
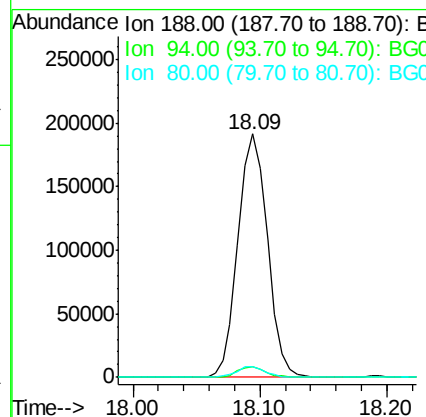
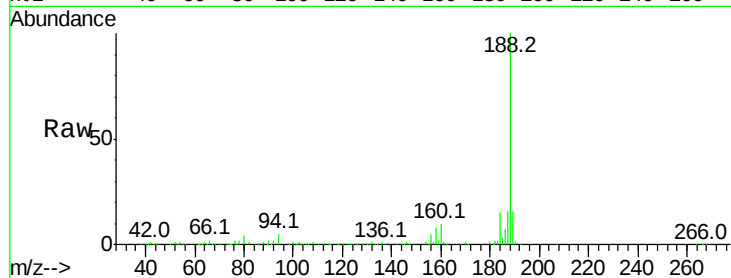




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.09 min Scan# 2520  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

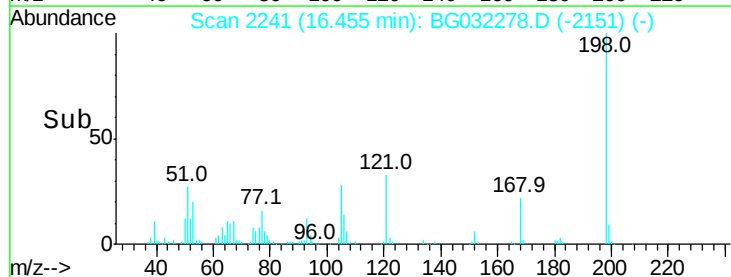
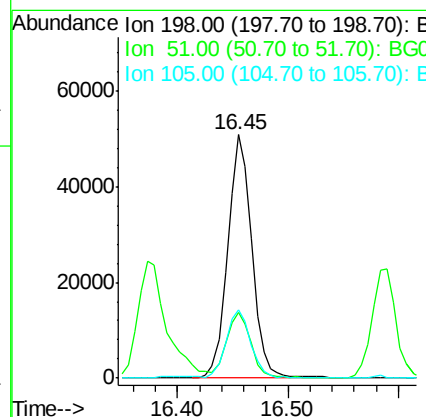
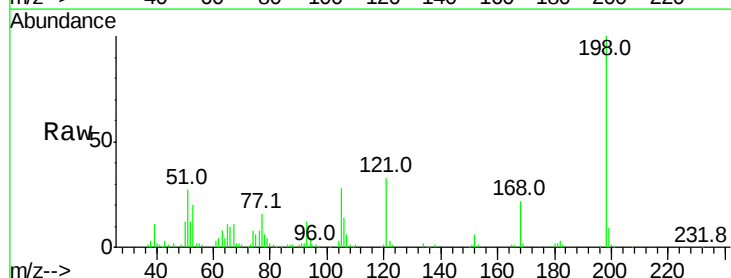
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:188 Resp: 307709  
 Ion Ratio Lower Upper  
 188 100  
 94 4.6 6.9 10.3#  
 80 4.4 7.7 11.5#



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 40.370 ng  
 RT: 16.45 min Scan# 2241  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion:198 Resp: 77808  
 Ion Ratio Lower Upper  
 198 100  
 51 27.1 30.6 70.6#  
 105 27.9 23.8 63.8





#65

n-Nitrosodiphenylamine

Concen: 38.759 ng

RT: 16.59 min Scan# 2264

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

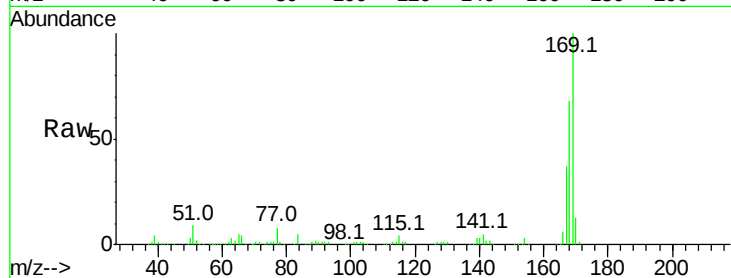
Tot Ion:169 Resp: 361902

Ion Ratio Lower Upper

169 100

168 67.8 55.7 83.5

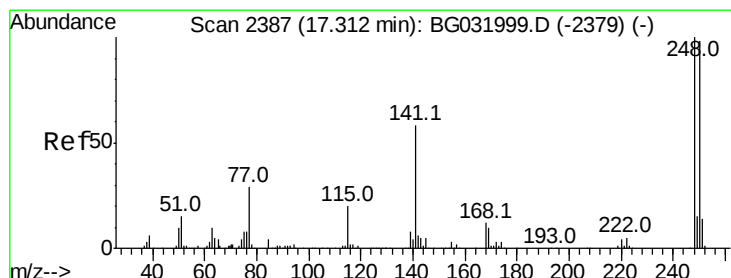
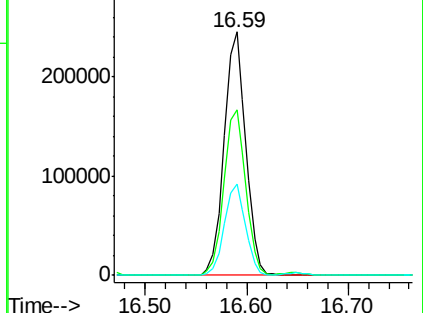
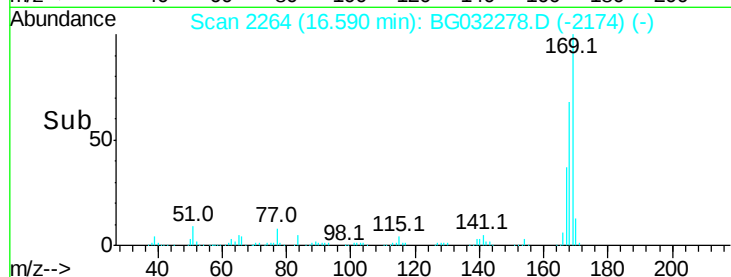
167 37.3 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 41.489 ng

RT: 17.27 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

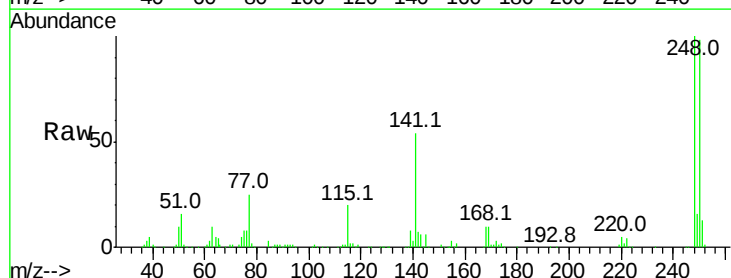
Tgt Ion:248 Resp: 181646

Ion Ratio Lower Upper

248 100

250 98.5 77.1 115.7

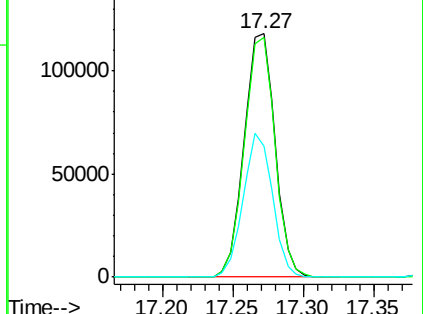
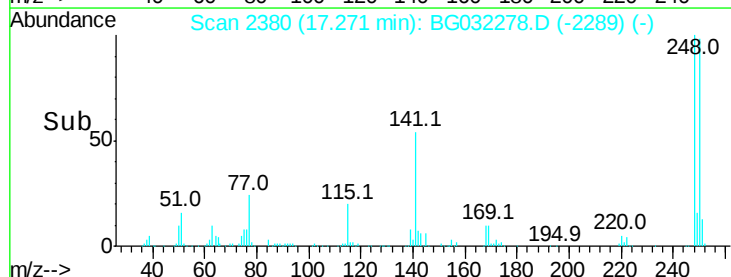
141 54.0 50.8 76.2

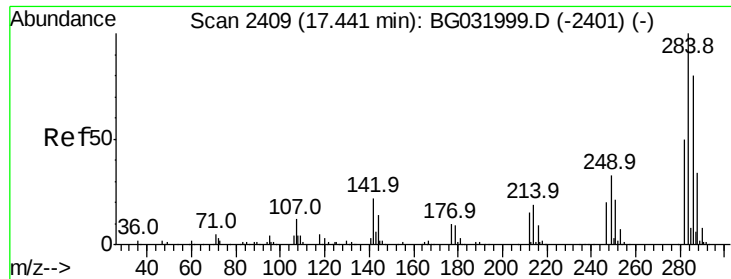


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

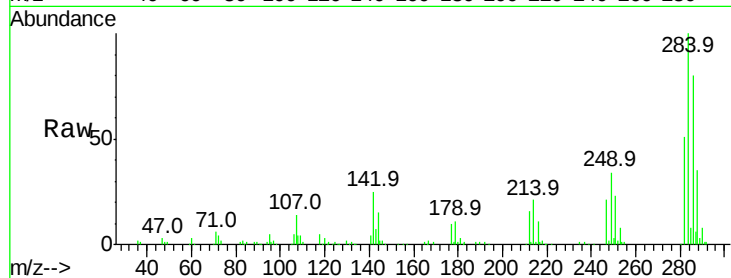




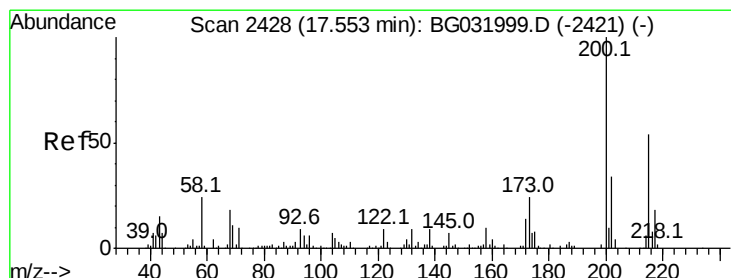
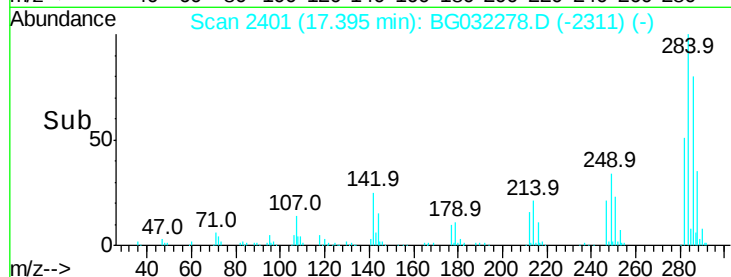
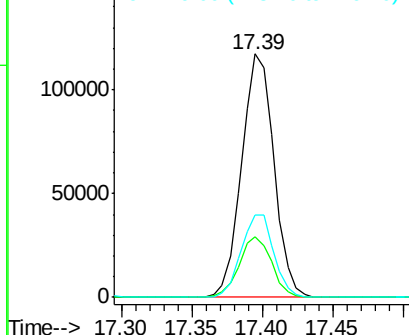
#67  
Hexachlorobenzene  
Concen: 38.756 ng  
RT: 17.39 min Scan# 2401  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:284 Resp: 187725  
Ion Ratio Lower Upper  
284 100  
142 25.0 26.8 40.2#  
249 33.7 26.3 39.5

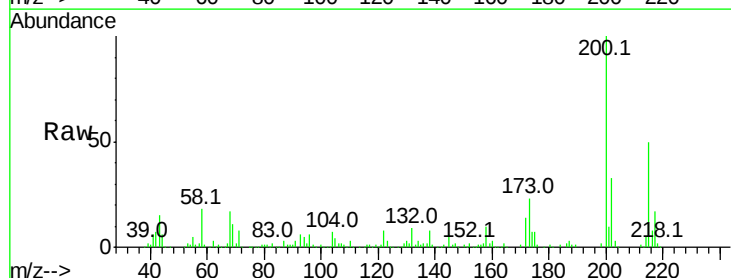


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

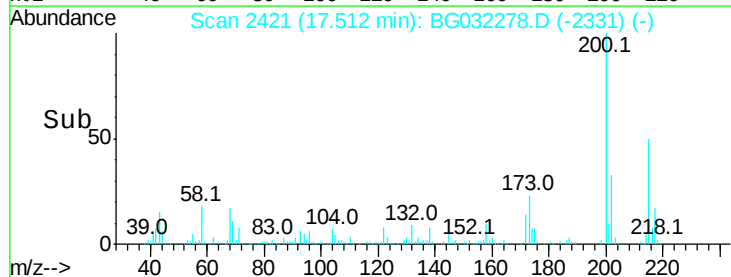
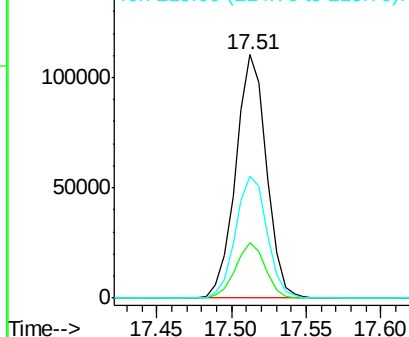


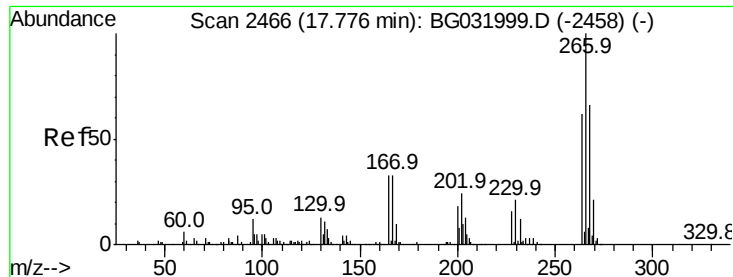
#68  
Atrazine  
Concen: 40.174 ng  
RT: 17.51 min Scan# 2421  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion:200 Resp: 157752  
Ion Ratio Lower Upper  
200 100  
173 22.6 5.2 45.2  
215 50.2 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 74.626 ng

RT: 17.74 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

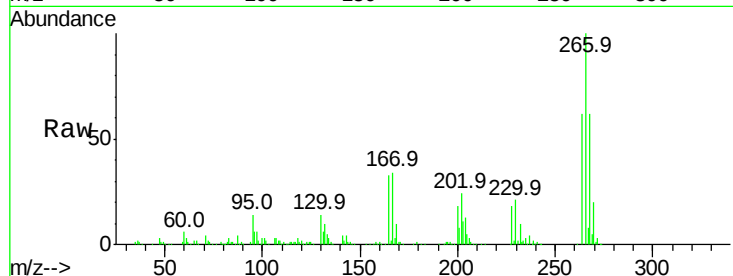
Tot Ion:266 Resp: 231047

Ion Ratio Lower Upper

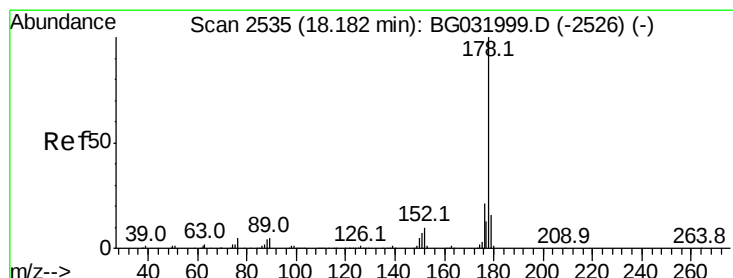
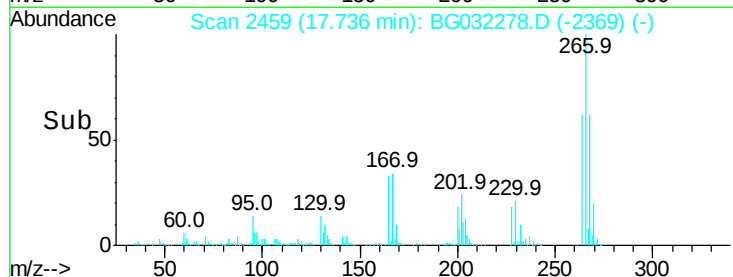
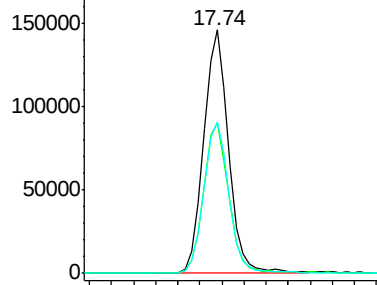
266 100

268 61.9 51.1 76.7

264 62.3 49.6 74.4



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: 39.811 ng

RT: 18.14 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

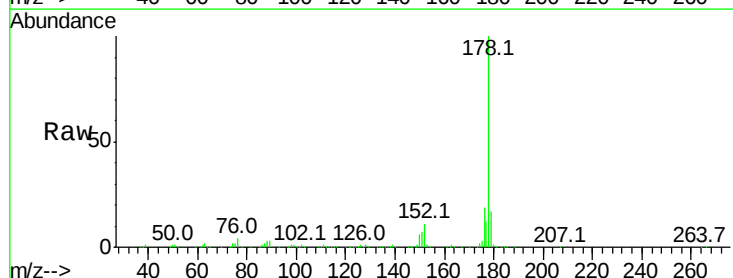
Tgt Ion:178 Resp: 682042

Ion Ratio Lower Upper

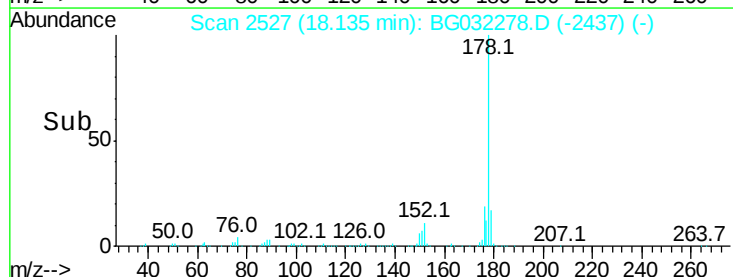
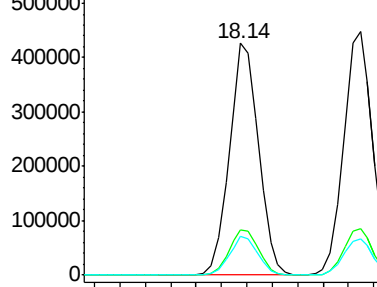
178 100

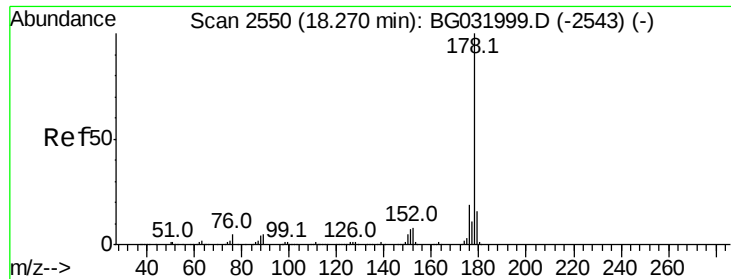
176 19.3 15.7 23.5

179 16.6 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

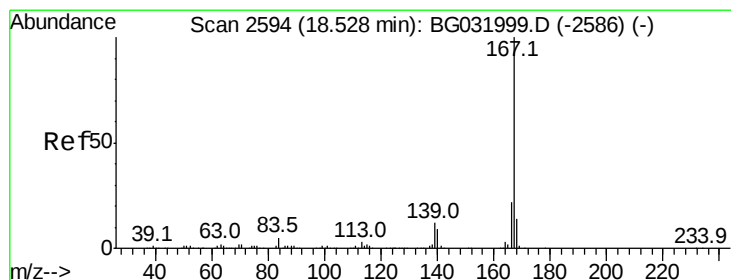
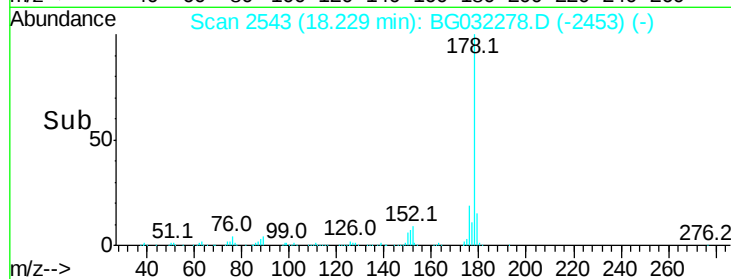
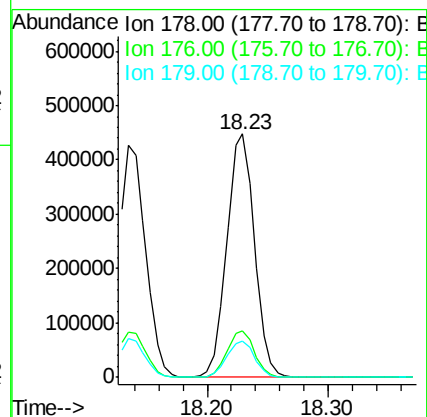
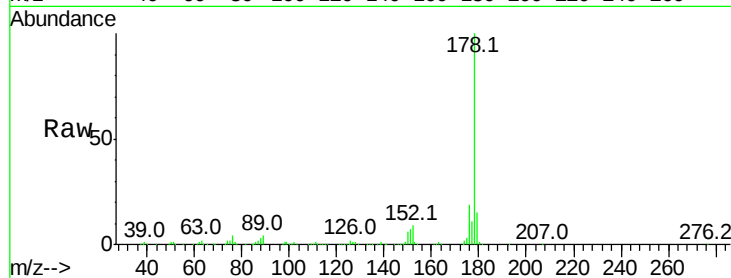




#71  
 Anthracene  
 Concen: 41.393 ng  
 RT: 18.23 min Scan# 2543  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

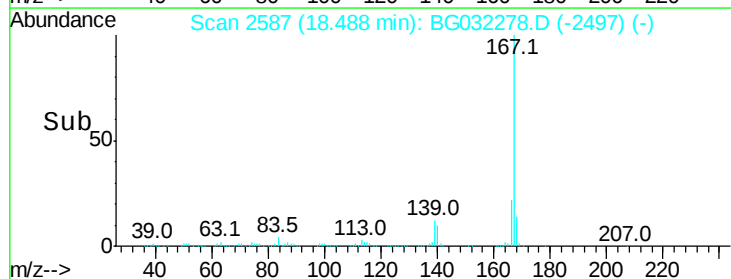
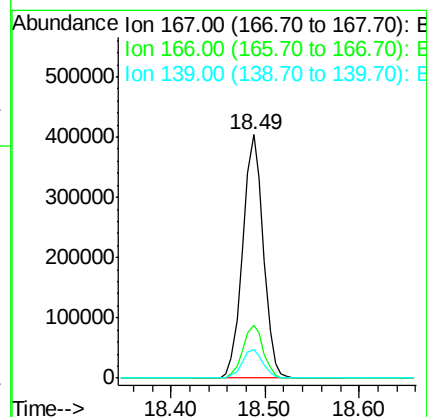
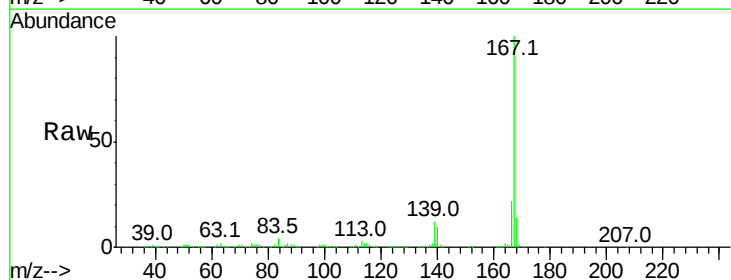
Instrument :  
 BNA\_G  
 ClientSampleId :

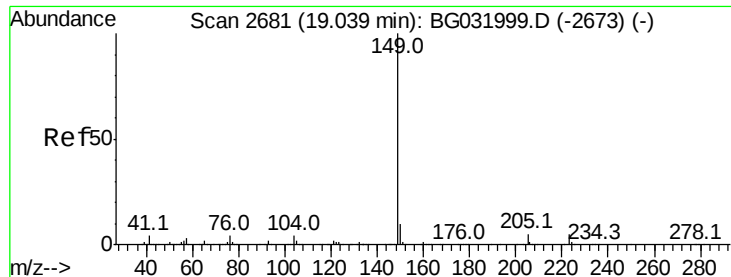
Tot Ion:178 Resp: 707296  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 16.0 24.0  
 179 15.1 12.5 18.7



#72  
 Carbazole  
 Concen: 41.242 ng  
 RT: 18.49 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion:167 Resp: 611324  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 18.2 27.4  
 139 11.9 9.4 14.2





#73

Di-n-butylphthalate

Concen: 38.987 ng

RT: 18.99 min Scan# 2673

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

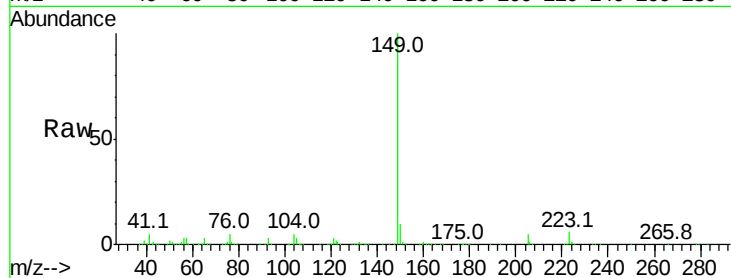
Tot Ion:149 Resp: 682873

Ion Ratio Lower Upper

149 100

150 9.7 7.8 11.6

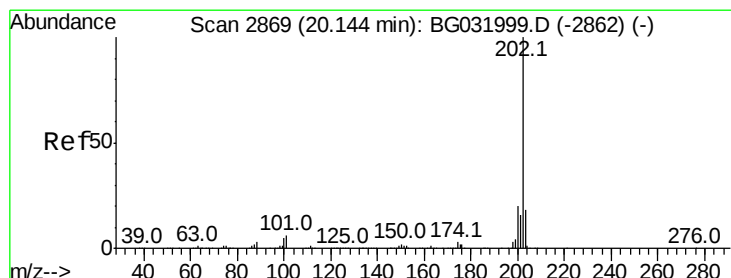
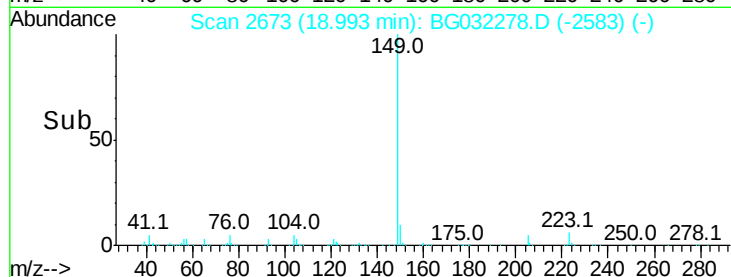
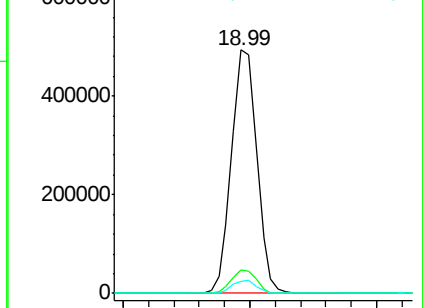
104 5.1 3.9 5.9



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: 43.026 ng

RT: 20.10 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

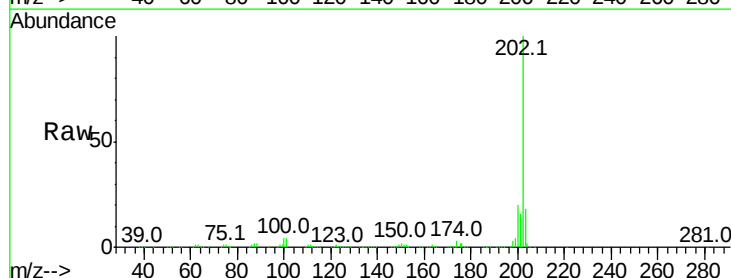
Tgt Ion:202 Resp: 922915

Ion Ratio Lower Upper

202 100

101 4.5 0.0 28.9

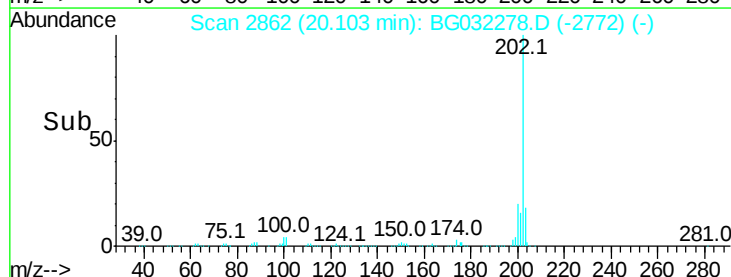
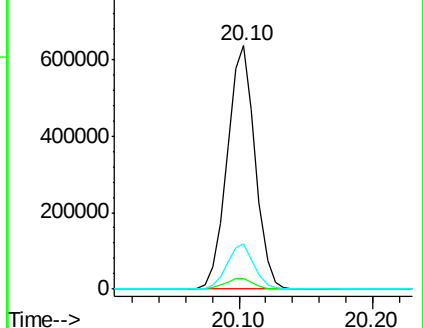
203 18.4 0.0 37.5

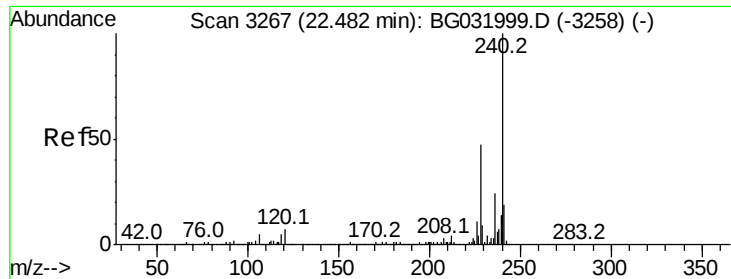


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3258

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

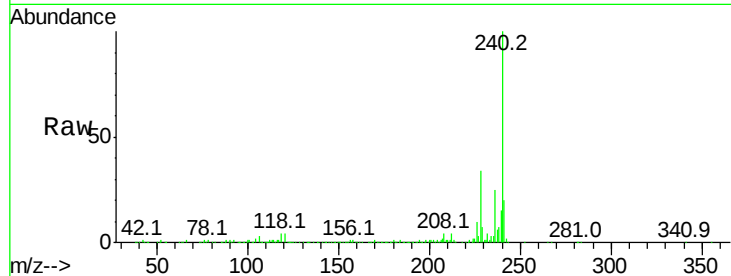
Tot Ion:240 Resp: 378813

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

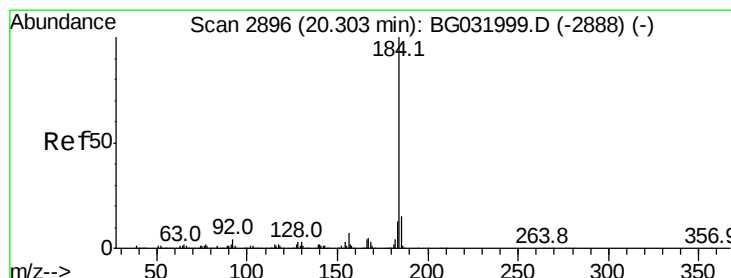
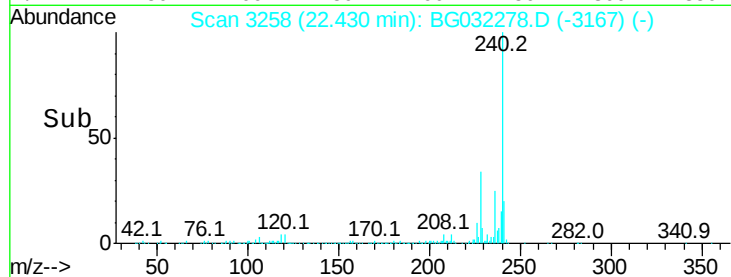
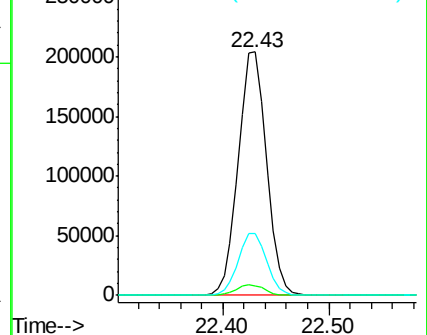
236 25.4 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 4.488 ng

RT: 20.26 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

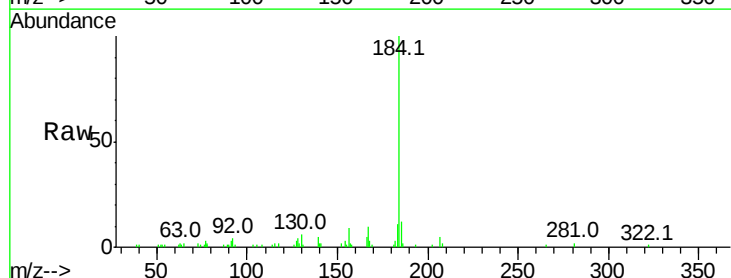
Tgt Ion:184 Resp: 42517

Ion Ratio Lower Upper

184 100

185 12.4 11.1 16.7

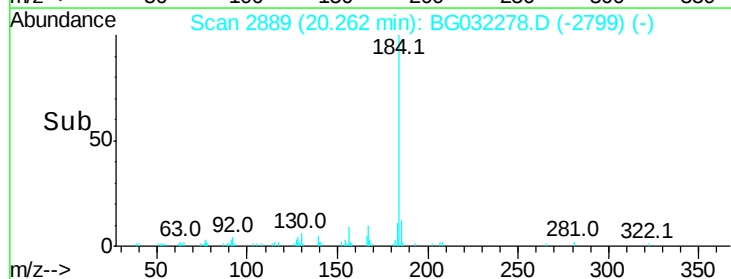
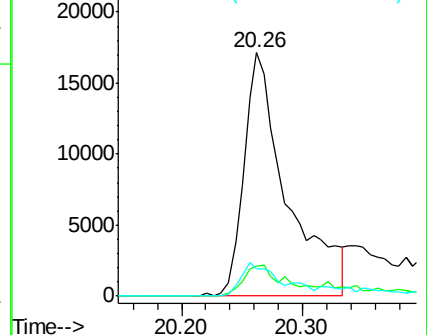
183 11.2 10.6 16.0

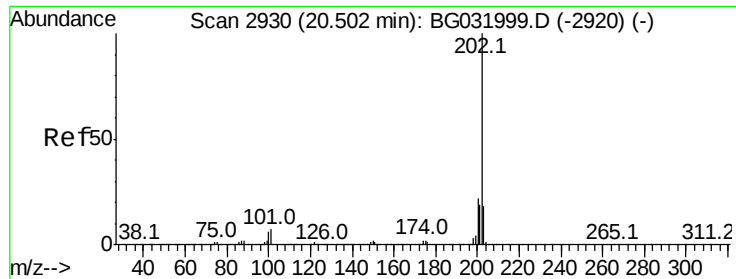


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

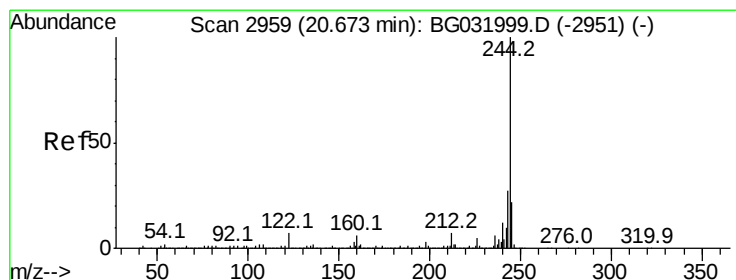
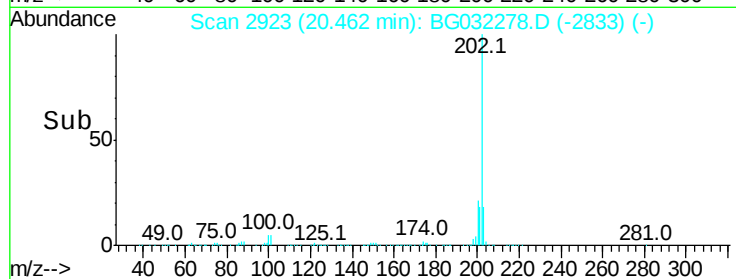
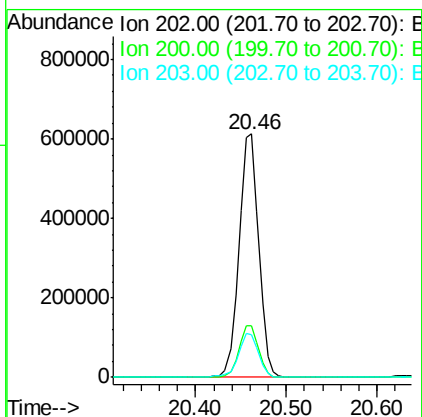
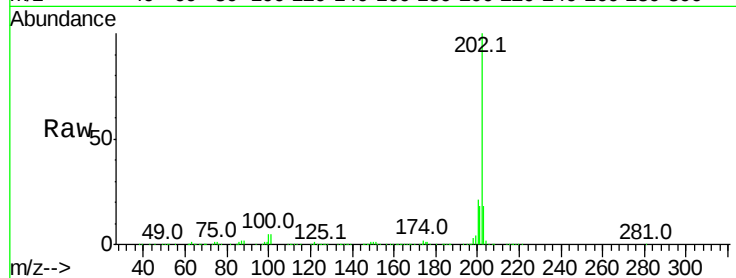




#77  
Pvrene  
Concen: 38.925 ng  
RT: 20.46 min Scan# 2923  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

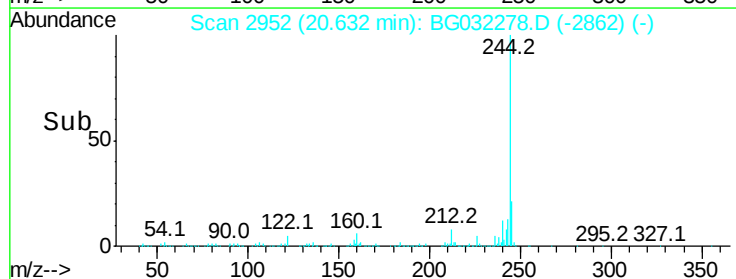
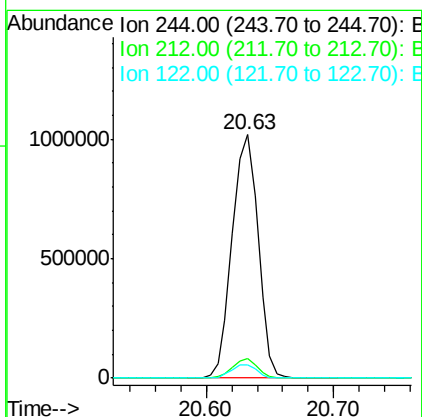
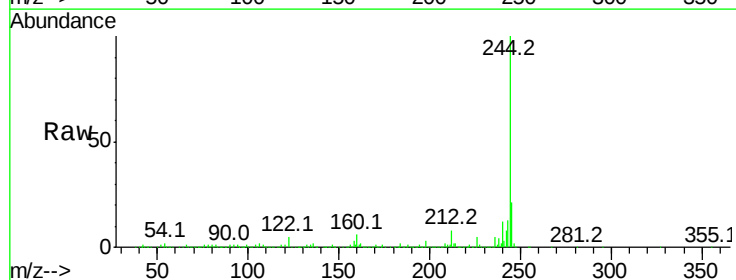
Instrument :  
BNA\_G  
ClientSampleId :

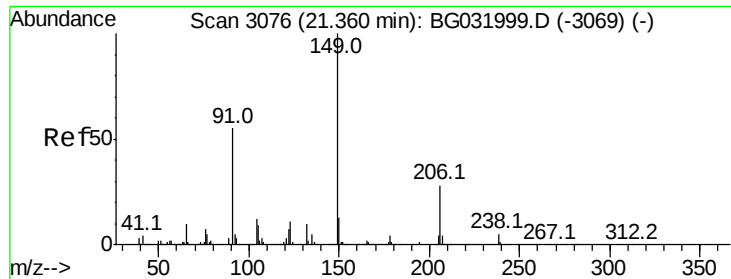
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.3  | 16.9  | 25.3  |
| 203     | 17.7  | 13.9  | 20.9  |



#78  
Terphenyl-d14  
Concen: 84.140 ng  
RT: 20.63 min Scan# 2952  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.9   | 5.8   | 8.8   |
| 122     | 5.3   | 7.0   | 10.4  |

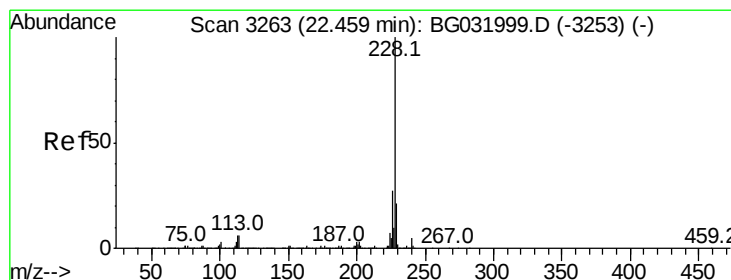
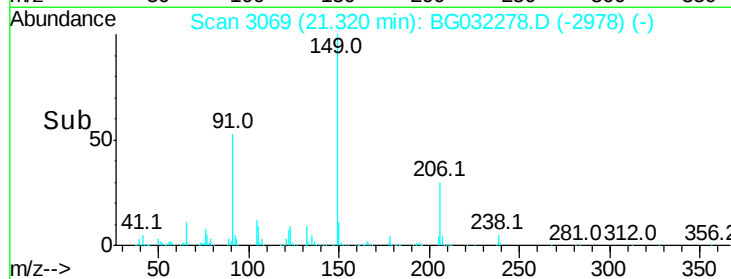
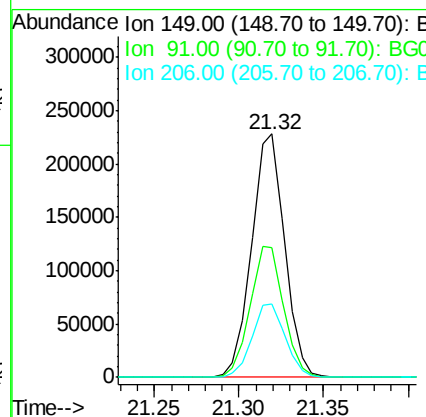
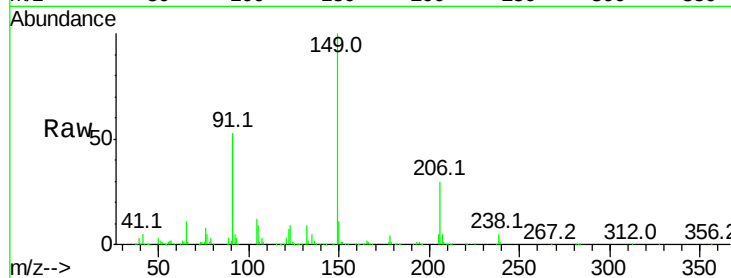




#79  
Butylbenzylphthalate  
Concen: 36.560 ng  
RT: 21.32 min Scan# 3069  
Delta R.T. 0.01 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

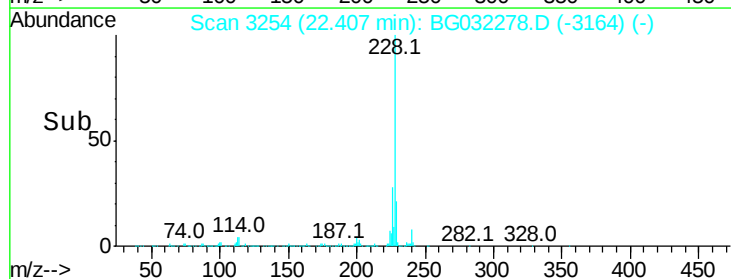
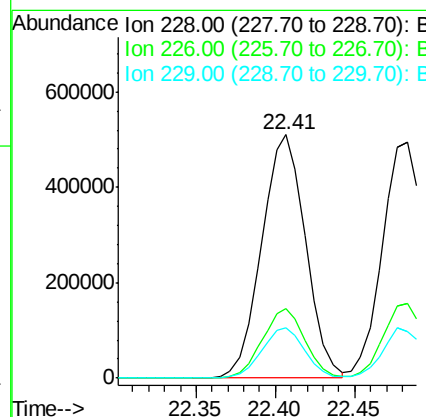
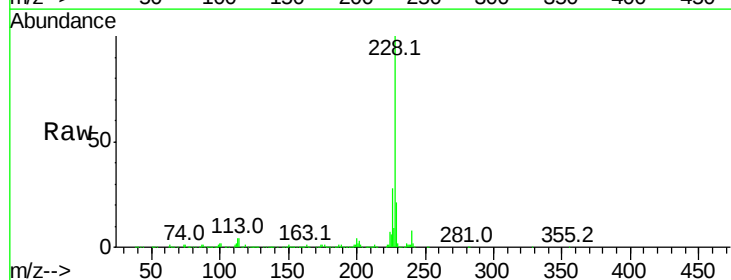
Instrument :  
BNA\_G  
ClientSampleId :

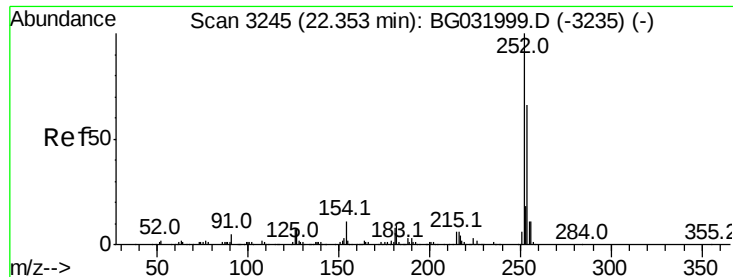
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 53.4  | 62.2  | 93.2# |
| 206     | 30.1  | 18.6  | 27.8# |



#80  
Benzo(a)anthracene  
Concen: 41.507 ng  
RT: 22.41 min Scan# 3254  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.4  | 22.7  | 34.1  |
| 229     | 20.6  | 16.2  | 24.2  |

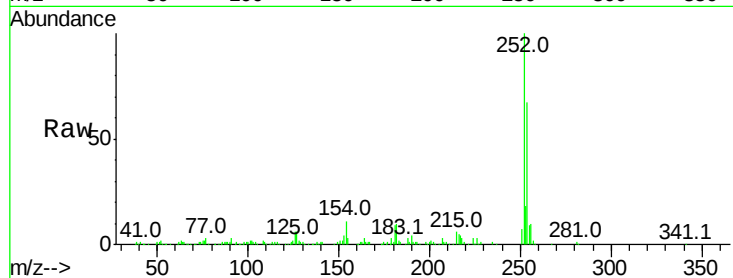




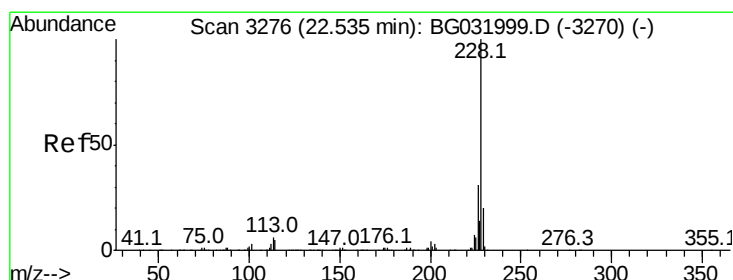
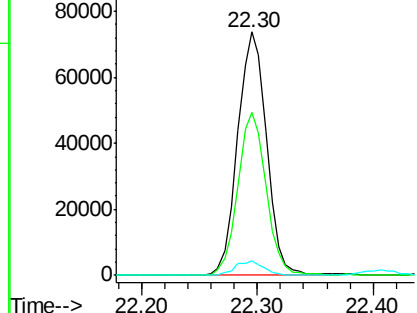
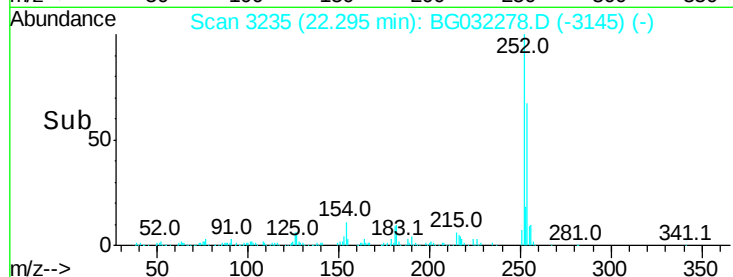
#81  
 3,3'-Dichlorobenzidine  
 Concen: 14.536 ng  
 RT: 22.30 min Scan# 3235  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 66.8  | 50.8  | 76.2  |
| 126     | 5.7   | 7.4   | 11.2# |

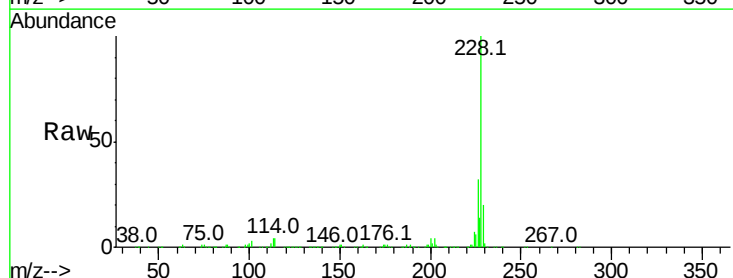


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

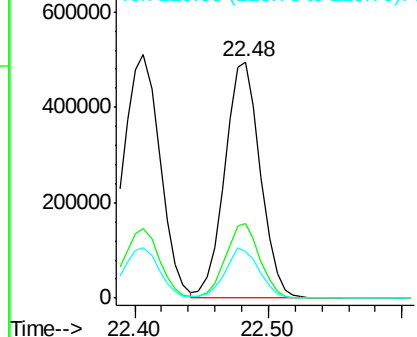
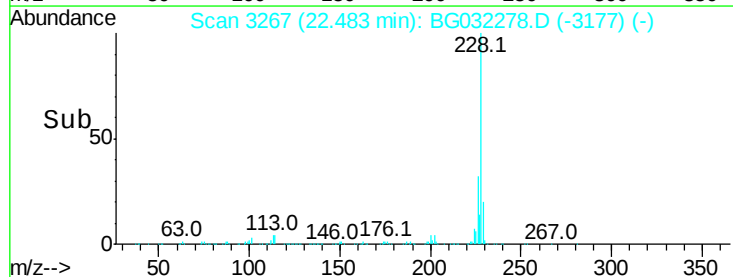


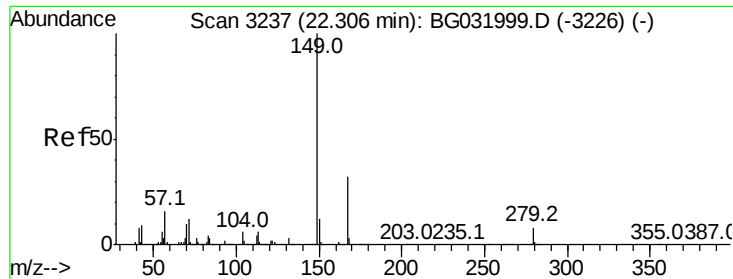
#82  
 Chrysene  
 Concen: 40.607 ng  
 RT: 22.48 min Scan# 3267  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.5  | 24.9  | 37.3  |
| 229     | 19.9  | 15.0  | 22.4  |



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

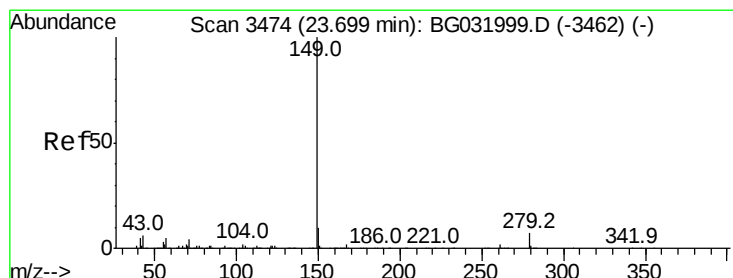
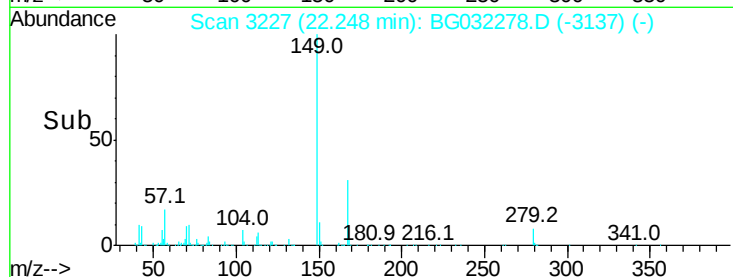
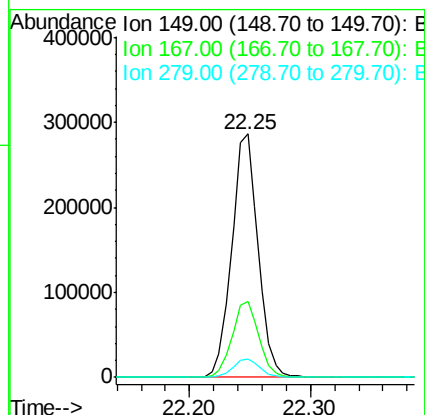
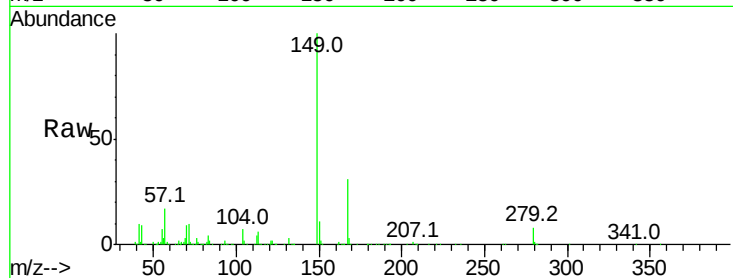




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 34.670 ng  
 RT: 22.25 min Scan# 3227  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

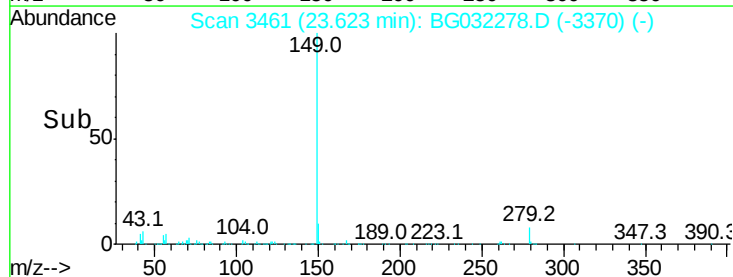
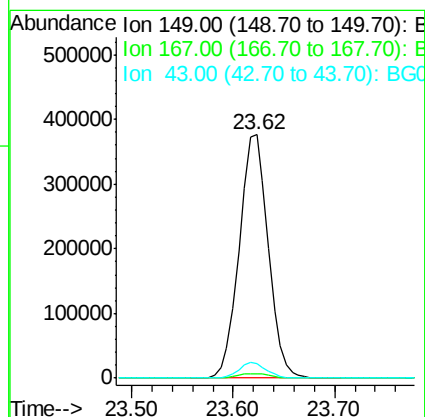
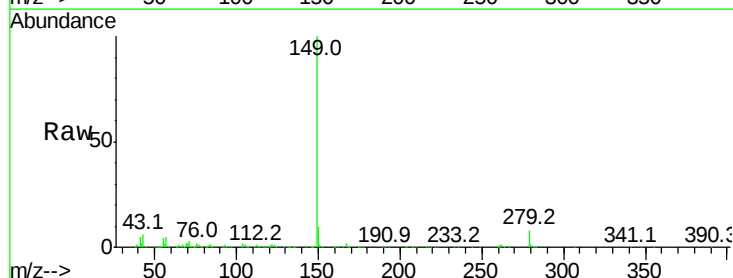
Instrument :  
 BNA\_G  
 ClientSampleId :

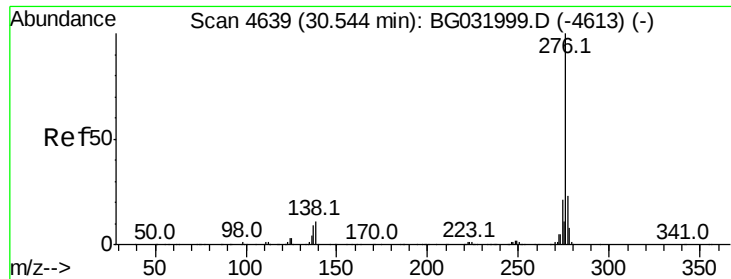
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 31.1  | 24.3  | 36.5  |
| 279     | 7.8   | 4.0   | 6.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 37.573 ng  
 RT: 23.62 min Scan# 3461  
 Delta R.T. 0.01 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.9   | 1.4   | 2.0   |
| 43      | 6.3   | 8.9   | 13.3  |

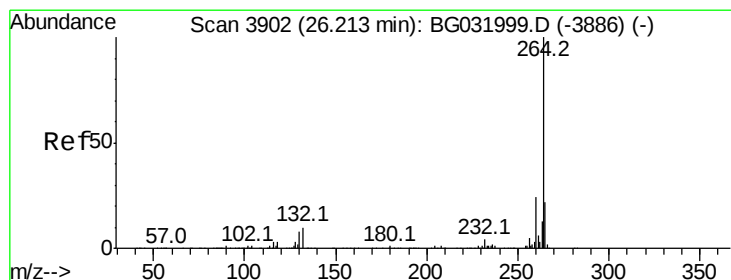
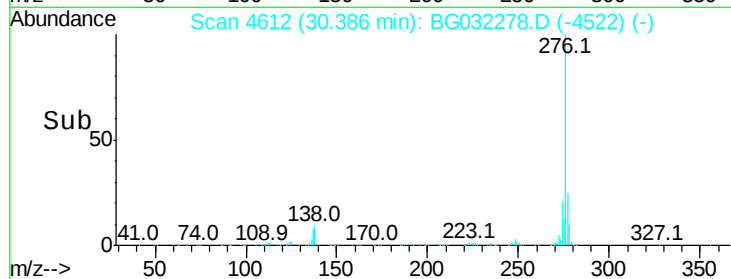
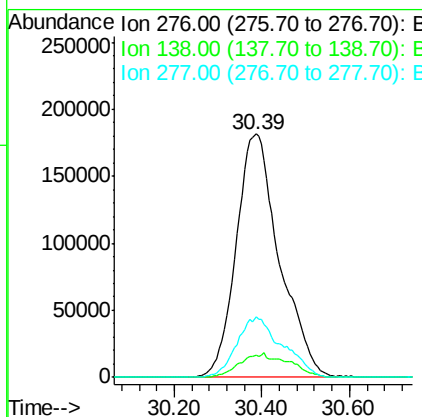
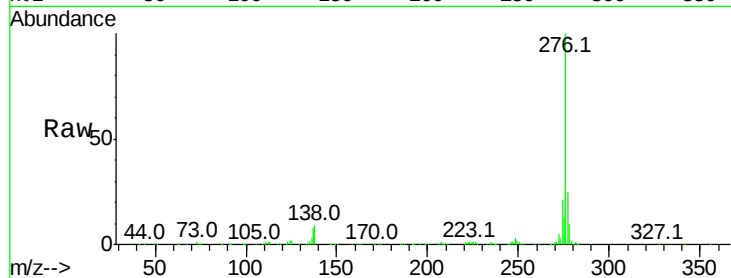




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.949 ng  
 RT: 30.39 min Scan# 4612  
 Delta R.T. -0.00 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

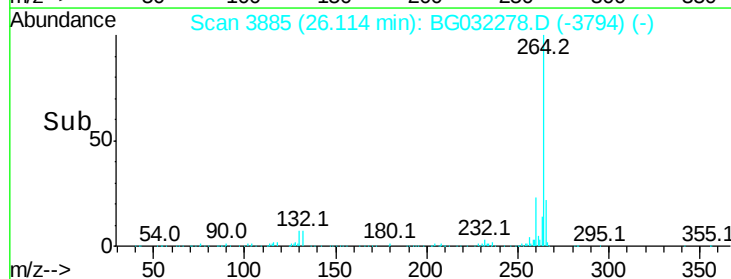
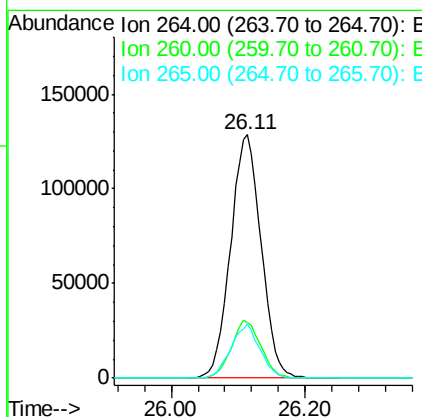
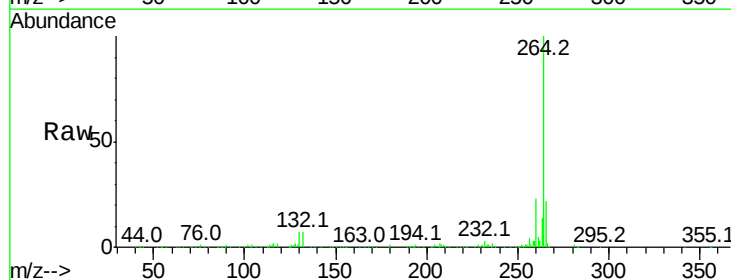
Instrument :  
 BNA\_G  
 ClientSampled :

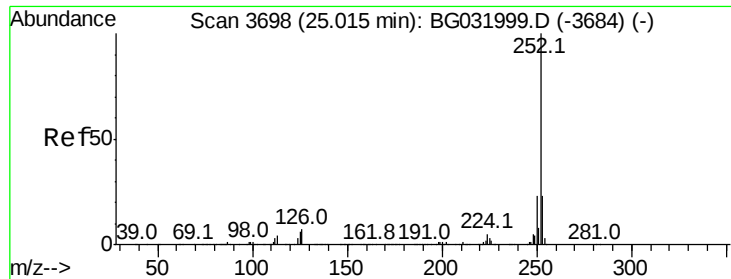
Tot Ion:276 Resp: 1216877  
 Ion Ratio Lower Upper  
 276 100  
 138 6.8 16.0 24.0#  
 277 26.4 20.0 30.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.11 min Scan# 3885  
 Delta R.T. 0.01 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Tgt Ion:264 Resp: 408429  
 Ion Ratio Lower Upper  
 264 100  
 260 22.8 17.4 26.0  
 265 22.4 17.7 26.5

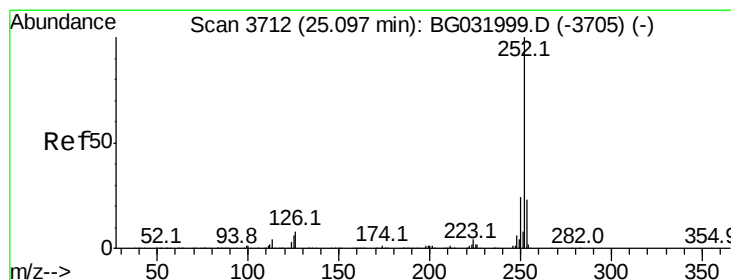
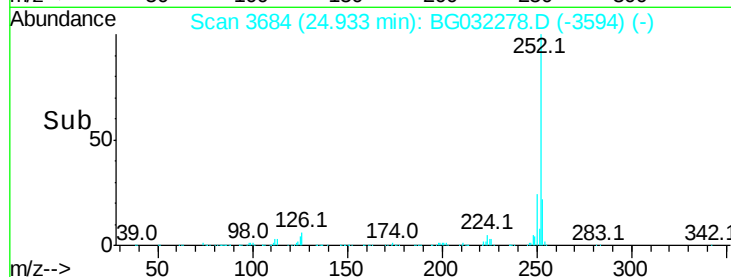
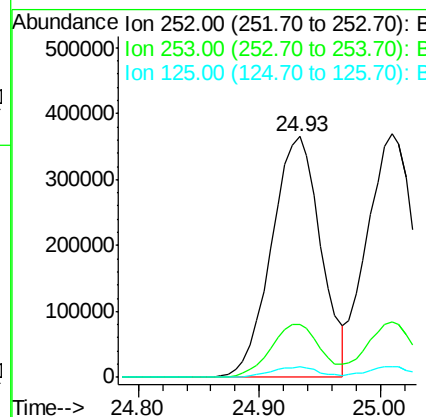
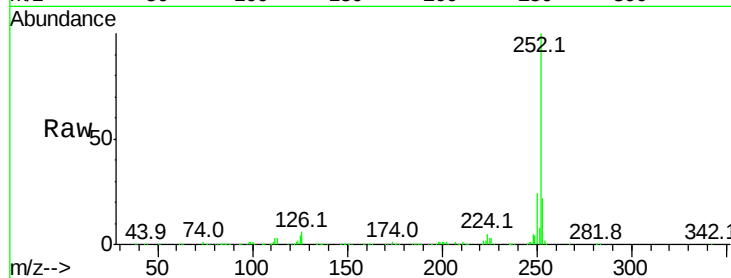




#87  
Benzo(b)fluoranthene  
Concen: 41.806 ng  
RT: 24.93 min Scan# 3684  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

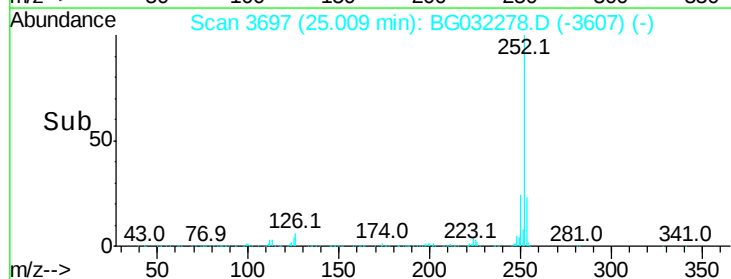
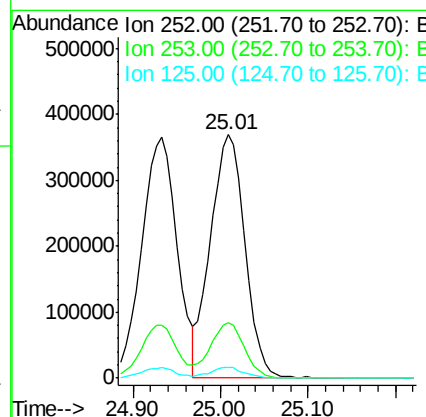
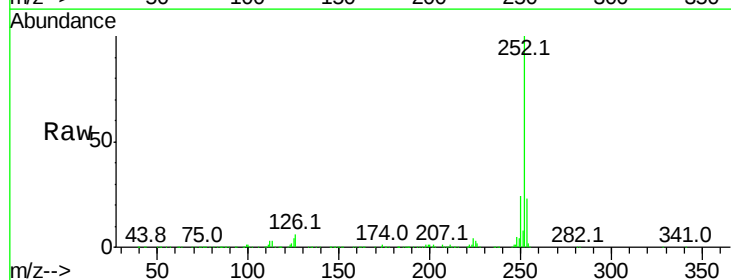
Instrument :  
BNA\_G  
ClientSampleId :

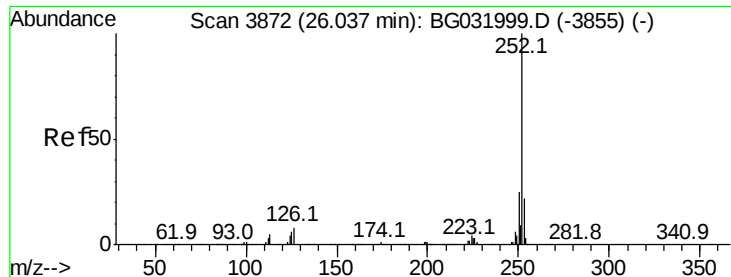
Tot Ion:252 Resp: 1032086  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.2 27.4  
125 4.2 7.2 10.8#



#88  
Benzo(k)fluoranthene  
Concen: 41.743 ng  
RT: 25.01 min Scan# 3697  
Delta R.T. -0.00 min  
Lab File: BG032278.D  
Acq: 25 Jan 2018 2:40

Tgt Ion:252 Resp: 1006987  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.2  
125 4.4 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 43.086 ng

RT: 25.94 min Scan# 3855

Delta R.T. -0.00 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

Instrument :

BNA\_G

ClientSampleId :

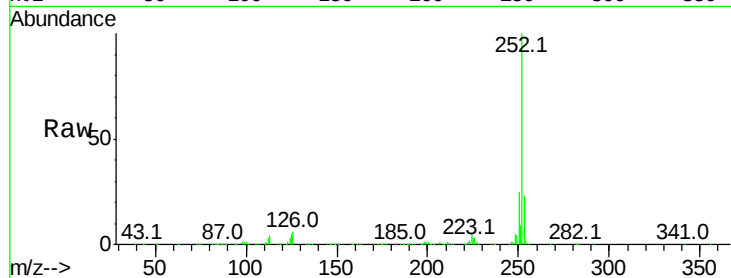
Tot Ion:252 Resp: 1006206

Ion Ratio Lower Upper

252 100

253 23.0 18.3 27.5

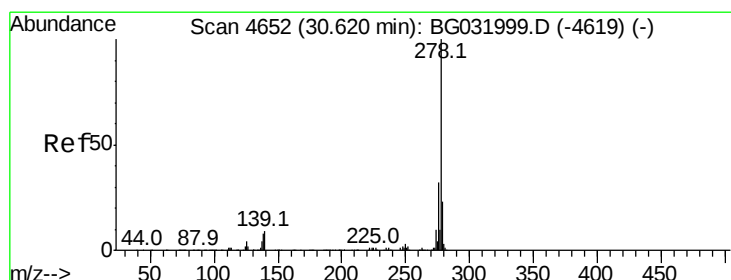
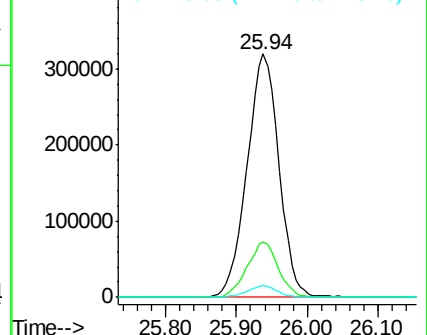
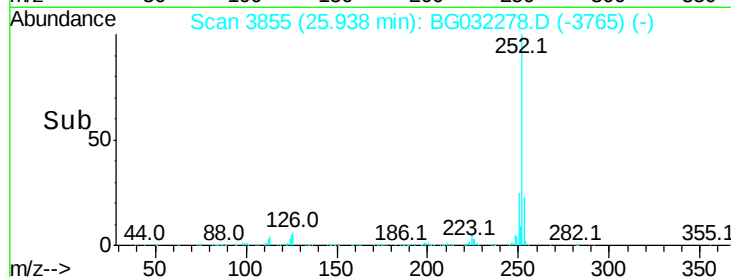
125 4.7 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 45.325 ng

RT: 30.46 min Scan# 4625

Delta R.T. 0.01 min

Lab File: BG032278.D

Acq: 25 Jan 2018 2:40

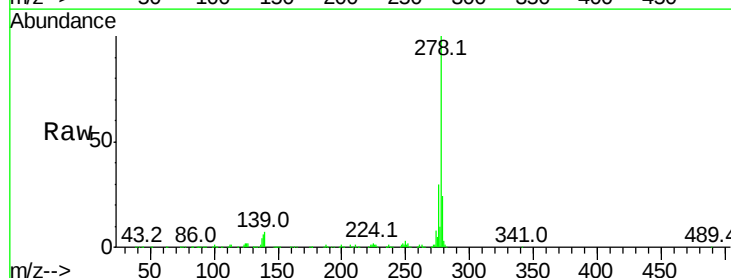
Tgt Ion:278 Resp: 1020010

Ion Ratio Lower Upper

278 100

139 7.2 9.8 14.6#

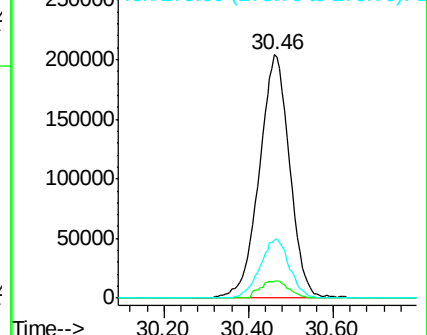
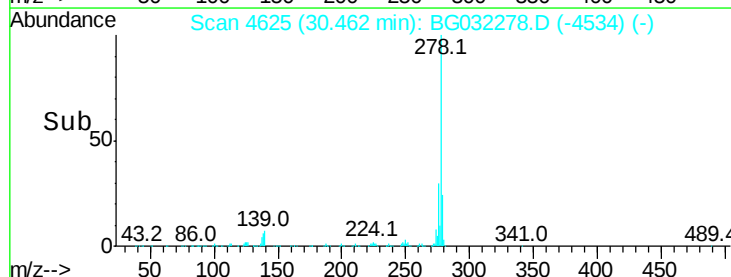
279 23.9 18.4 27.6

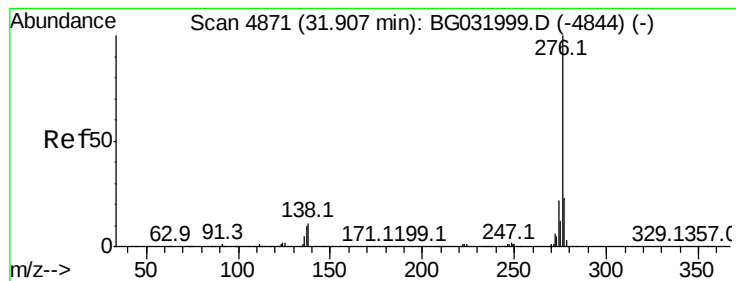


Abundance Ion 278.00 (277.70 to 278.70): E

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: 44.316 ng  
 RT: 31.74 min Scan# 4842  
 Delta R.T. 0.02 min  
 Lab File: BG032278.D  
 Acq: 25 Jan 2018 2:40

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:276 Resp: 1019330  
 Ion Ratio Lower Upper  
 276 100  
 277 23.0 18.3 27.5  
 138 8.5 13.9 20.9#

