

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\  
 Data File : BG032903.D  
 Acq On : 1 Mar 2018 00:52  
 Operator : SJ/JU  
 Sample : PB106927BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 01 02:48:58 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 26 17:50:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ng    | -8.93    |
| 21) Naphthalene-d8        | 11.43 | 136  | 1510     | 20.00 | ng    | -0.38    |
| 38) Acenaphthene-d10      | 14.96 | 164  | 68345    | 20.00 | ng    | -0.58    |
| 63) Phenanthrene-d10      | 17.56 | 188  | 2022     | 20.00 | ng    | -0.70    |
| 75) Chrysene-d12          | 21.53 | 240  | 270      | 20.00 | ng    | -1.10    |
| 86) Perylene-d12          | 0.00  | 264  | 0        | 0.00  | ng    | -26.44   |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 6.33  | 112 | 795560  | 0.00   | ng | 0.00  |
| 7) Phenol-d6             | 8.02  | 99  | 1062468 | 0.00   | ng | 0.00  |
| 23) Nitrobenzene-d5      | 10.05 | 82  | 20903   | 858.52 | ng | -0.07 |
| 41) 2,4,6-Tribromophenol | 0.00  | 330 | 0       | 0.00   | ng |       |
| 44) 2-Fluorobiphenyl     | 0.00  | 172 | 0       | 0.00   | ng |       |
| 78) Terphenyl-d14        | 0.00  | 244 | 0       | 0.00   | ng |       |

## Target Compounds

|                                |       |     |        |           |    | Qvalue |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| 22) Acetophenone               | 9.76  | 105 | 340289 | 8923.305  | ng | # 96   |
| 24) Nitrobenzene               | 10.16 | 77  | 253296 | 9126.824  | ng | # 91   |
| 25) Isophorone                 | 10.12 | 82  | 606194 | 11437.611 | ng | # 69   |
| 26) 2-Nitrophenol              | 10.89 | 139 | 120823 | 1457.595  | ng | # 93   |
| 27) 2,4-Dimethylphenol         | 10.92 | 122 | 265767 | 11543.112 | ng | # 89   |
| 28) bis(2-Chloroethoxy)methane | 11.16 | 93  | 313622 | 10157.578 | ng | # 95   |
| 29) 2,4-Dichlorophenol         | 11.43 | 162 | 229433 | 10979.579 | ng | # 95   |
| 30) 1,2,4-Trichlorobenzene     | 11.66 | 180 | 217661 | 8885.980  | ng | # 97   |
| 31) Naphthalene                | 11.86 | 128 | 733047 | 9290.470  | ng | # 99   |
| 32) Benzoic acid               | 10.92 | 122 | 265767 | 1509.898  | ng | # 5    |
| 33) 4-Chloroaniline            | 11.94 | 127 | 103412 | 2931.198  | ng | # 94   |
| 34) Hexachlorobutadiene        | 12.12 | 225 | 117794 | 8573.306  | ng | # 98   |
| 35) Caprolactam                | 12.70 | 113 | 86561  | 10345.341 | ng | # 86   |
| 36) 4-Chloro-3-methylphenol    | 13.01 | 107 | 264793 | 10889.097 | ng | # 90   |
| 37) 2-Methylnaphthalene        | 13.41 | 142 | 536962 | 9406.404  | ng | # 93   |
| 43) 2,4,5-Trichlorophenol      | 13.98 | 196 | 171725 | 115.966   | ng | # 89   |
| 46) 2-Chloronaphthalene        | 13.98 | 162 | 16953  | 3.800     | ng | # 58   |
| 47) 2-Nitroaniline             | 14.05 | 65  | 1474   | 10.877    | ng | # 9    |
| 49) Dimethylnaphthalate        | 14.43 | 163 | 59999  | 10.339    | ng | # 1    |
| 50) 2,6-Dinitrotoluene         | 14.43 | 165 | 18415  | 24.516    | ng | # 1    |
| 52) 3-Nitroaniline             | 14.62 | 138 | 180369 | 135.480   | ng | # 49   |
| 54) Dibenzofuran               | 15.20 | 168 | 64437  | 9.948     | ng | # 52   |
| 55) 4-Nitrophenol              | 14.89 | 139 | 456    | 7.518     | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.09 | 165 | 143647 | 99.577    | ng | # 79   |
| 57) Fluorene                   | 15.87 | 166 | 18069  | 3.380     | ng | # 1    |
| 61) 4-Nitroaniline             | 15.93 | 138 | 15407  | 16.209    | ng | # 20   |
| 62) Azobenzene                 | 16.30 | 77  | 30133  | 5.503     | ng | # 1    |
| 64) 4,6-Dinitro-2-methylphenol | 16.05 | 198 | 9565   | 425.839   | ng | # 35   |
| 65) n-Nitrosodiphenylamine     | 16.55 | 169 | 34411  | 523.134   | ng | # 93   |
| 66) 4-Bromophenyl-phenylether  | 17.01 | 248 | 24728  | 1156.568  | ng | # 1    |
| 68) Atrazine                   | 17.01 | 200 | 61     | 2.817     | ng | # 1    |
| 70) Phenanthrene               | 17.56 | 178 | 1874   | 16.612    | ng | # 1    |
| 71) Anthracene                 | 17.67 | 178 | 497    | 4.388     | ng | # 1    |
| 72) Carbazole                  | 17.90 | 167 | 118819 | 1064.405  | ng | # 68   |

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\  
Data File : BG032903.D  
Acq On : 1 Mar 2018 00:52  
Operator : SJ/JU  
Sample : PB106927BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Mar 01 02:48:58 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 26 17:50:45 2018  
Response via : Initial Calibration

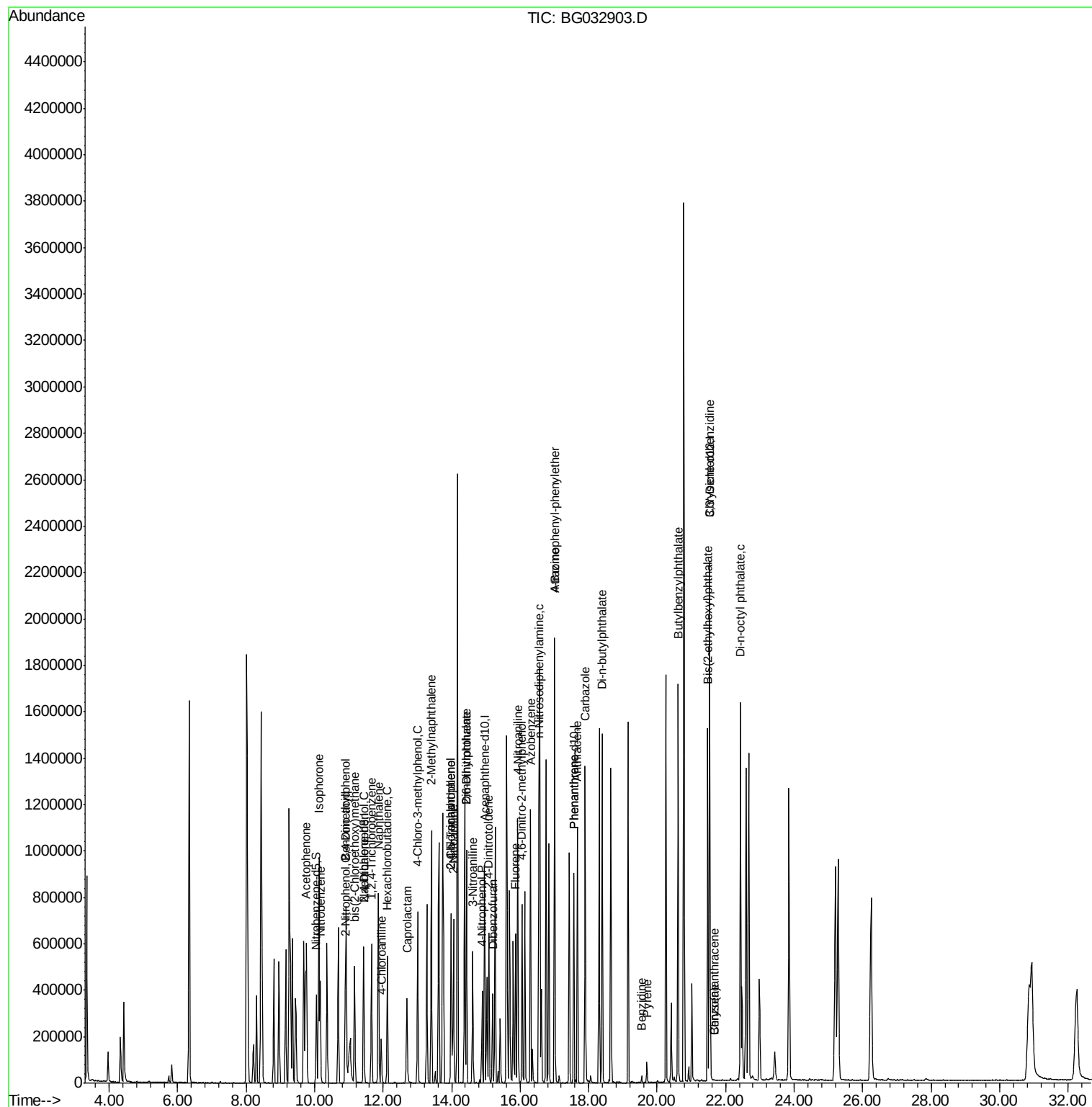
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 73) Di-n-butylphthalate        | 18.39 | 149  | 10265    | 74.956    | nq    | # 1      |
| 76) Benzidine                  | 19.54 | 184  | 54       | 5.867     | nq    | # 1      |
| 77) Pyrene                     | 19.70 | 202  | 62       | 3.256     | nq    | # 57     |
| 79) Butylbenzylphthalate       | 20.61 | 149  | 9007     | 1066.936  | nq    | # 20     |
| 80) Benzo(a)anthracene         | 21.67 | 228  | 287      | 16.576    | nq    | # 15     |
| 81) 3,3'-Dichlorobenzidine     | 21.52 | 252  | 125      | 19.493    | nq    | # 1      |
| 82) Chrysene                   | 21.67 | 228  | 287      | 17.353    | nq    | # 14     |
| 83) Bis(2-ethylhexyl)phthalate | 21.48 | 149  | 524611   | 41982.164 | nq    | # 50     |
| 84) Di-n-octyl phthalate       | 22.43 | 149  | 745513   | 39140.631 | nq    | # 76     |

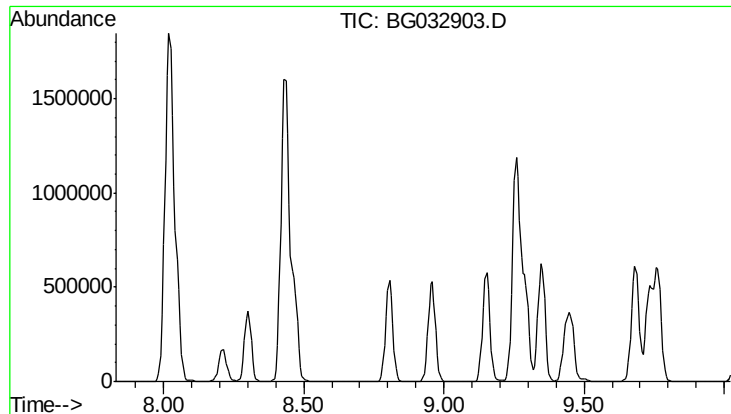
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG022818\  
Data File : BG032903.D  
Acq On : 1 Mar 2018 00:52  
Operator : SJ/JU  
Sample : PB106927BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Mar 01 02:48:58 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 26 17:50:45 2018  
Response via : Initial Calibration

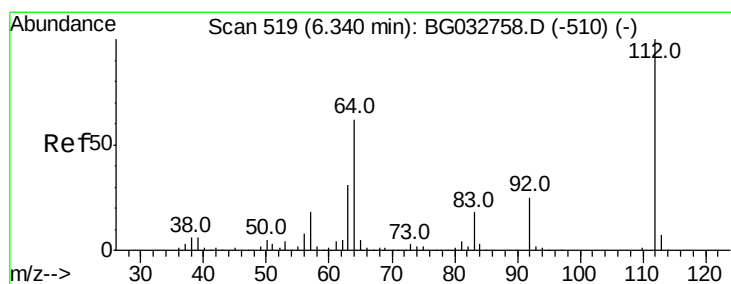
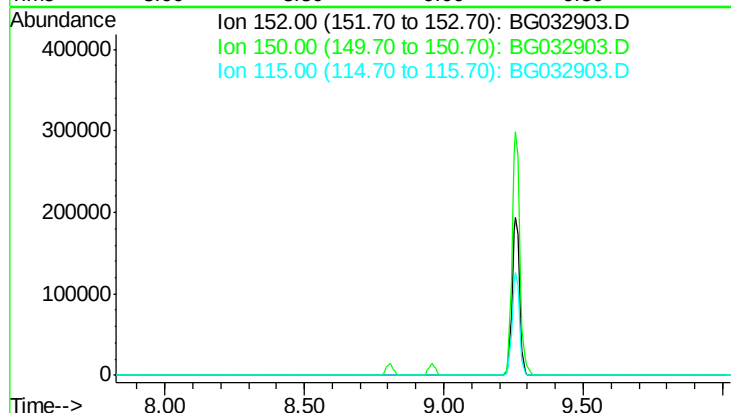




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ng  
 Expected RT: 8.93 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

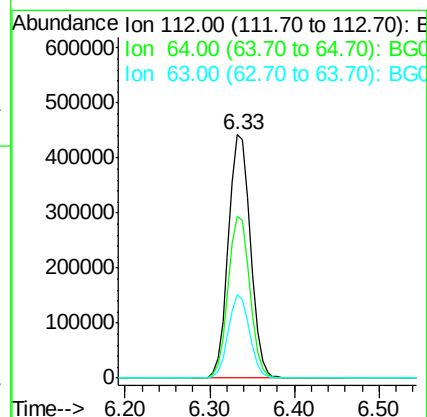
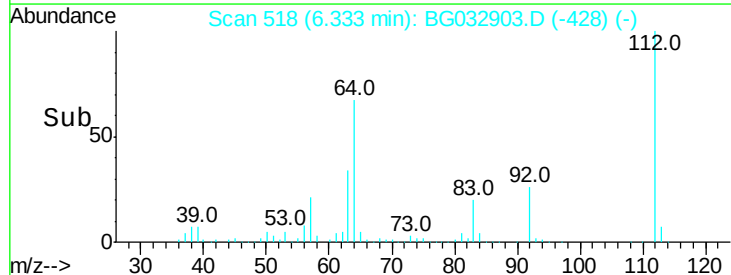
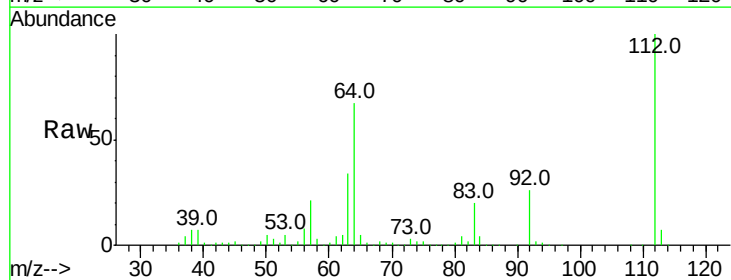
Instrument :  
 BNA\_G  
 ClientSampleId :

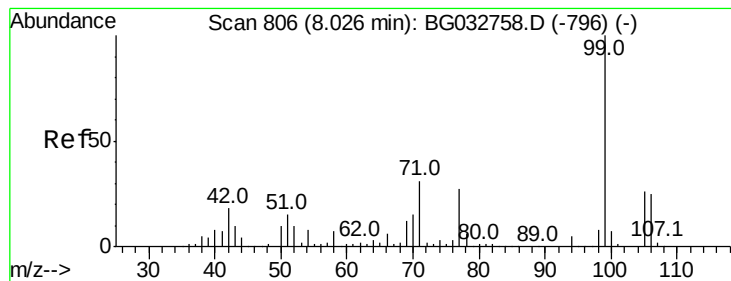
Tot Ion: 152  
 Sig Exp Ratio  
 152 100  
 150 158.2  
 115 66.2



#5  
 2-Fluorophenol  
 Concen: 0.000 ng  
 RT: 6.33 min Scan# 518  
 Delta R.T. -0.00 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion: 112 Resp: 795560  
 Ion Ratio Lower Upper  
 112 100  
 64 66.6 56.3 84.5  
 63 34.3 30.1 45.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

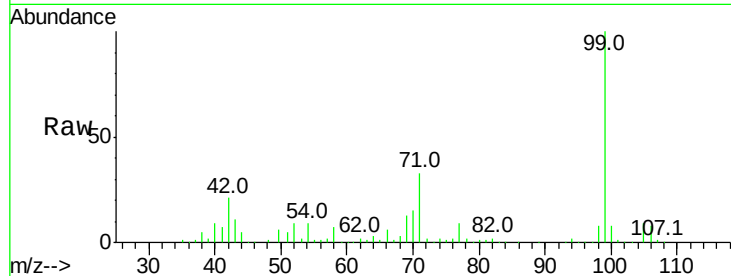
Tot Ion: 99 Resp: 1062468

Ion Ratio Lower Upper

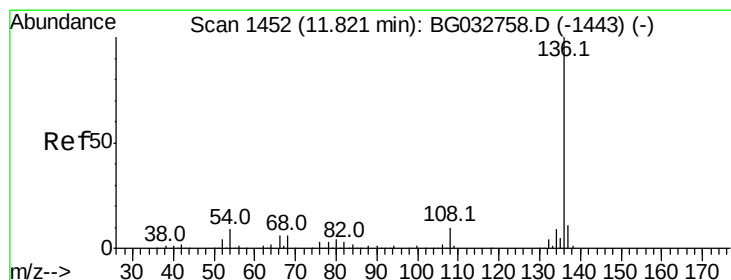
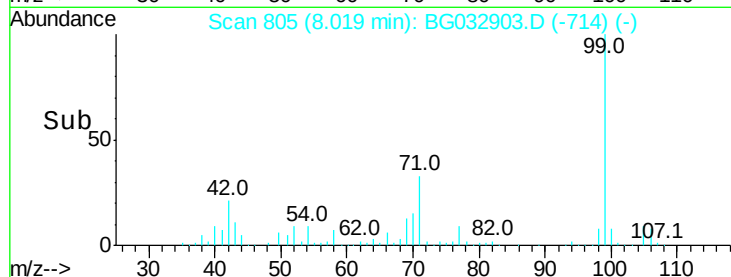
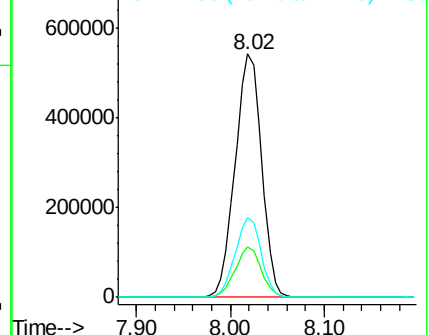
99 100

42 20.9 14.1 21.1

71 32.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.43 min Scan# 1386

Delta R.T. -0.38 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Tgt Ion: 136 Resp: 1510

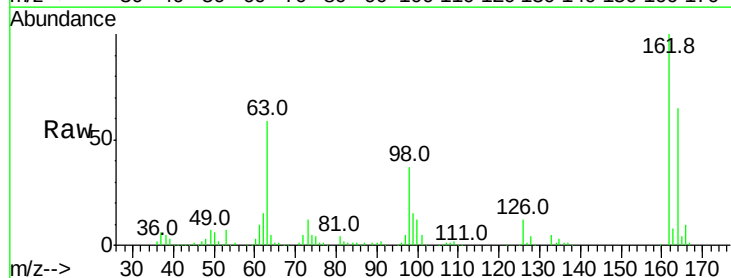
Ion Ratio Lower Upper

136 100

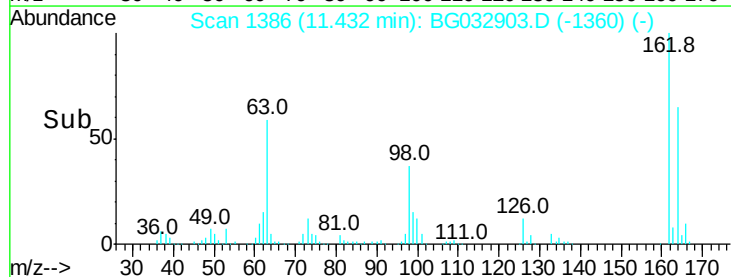
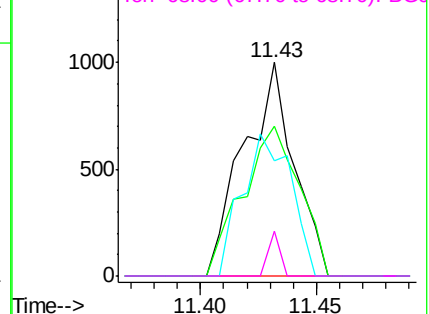
137 70.2 9.2 13.8#

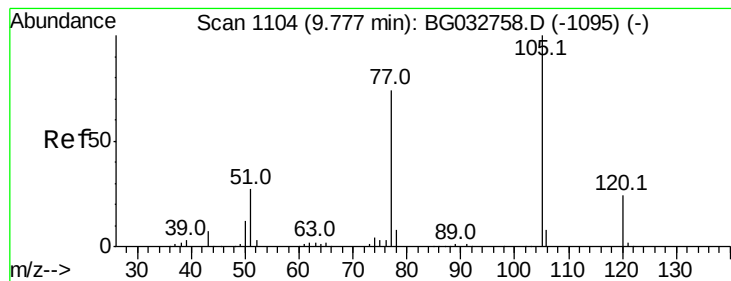
54 54.2 10.3 15.5#

68 21.1 4.5 6.7#



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





#22

Acetophenone

Concen: 8923.305 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.00 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:105 Resp: 340289

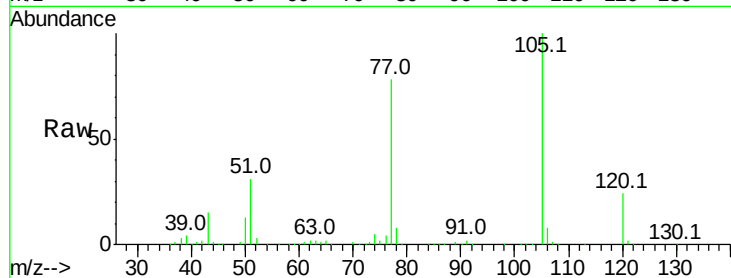
Ion Ratio Lower Upper

105 100

71 0.2 3.0 4.4#

51 31.2 26.1 39.1

120 24.4 17.4 26.2

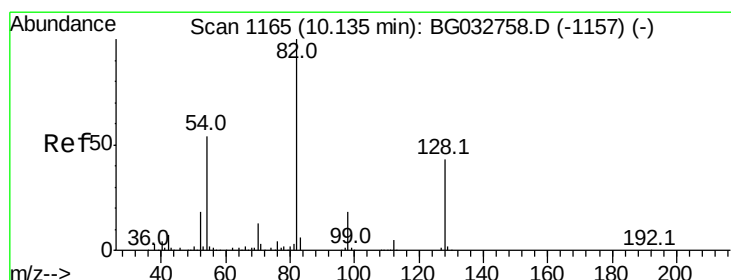
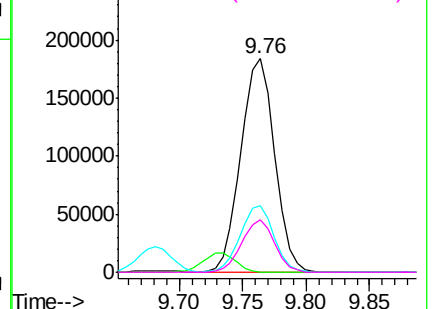
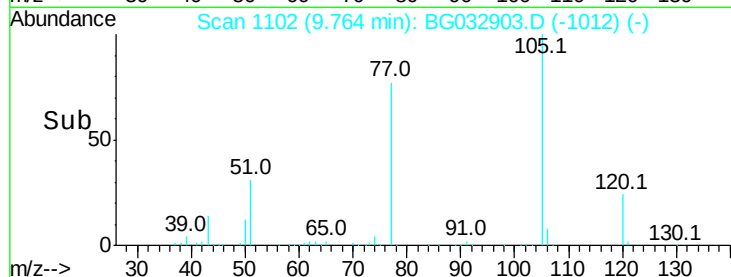


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 858.522 ng

RT: 10.05 min Scan# 1151

Delta R.T. -0.07 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

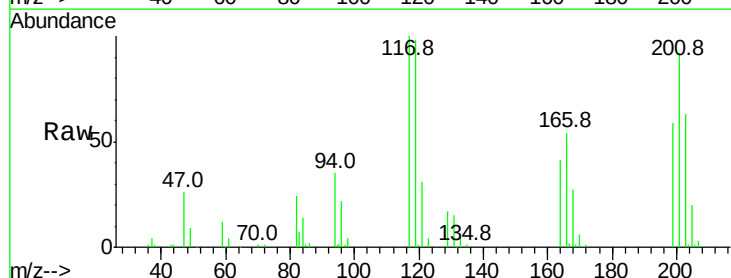
Tgt Ion: 82 Resp: 20903

Ion Ratio Lower Upper

82 100

128 0.0 29.7 44.5#

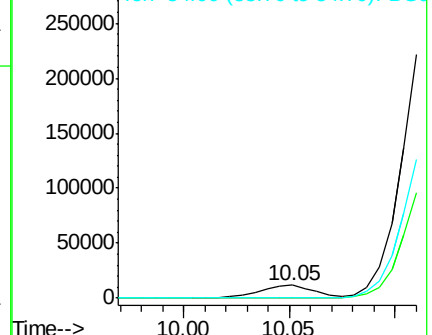
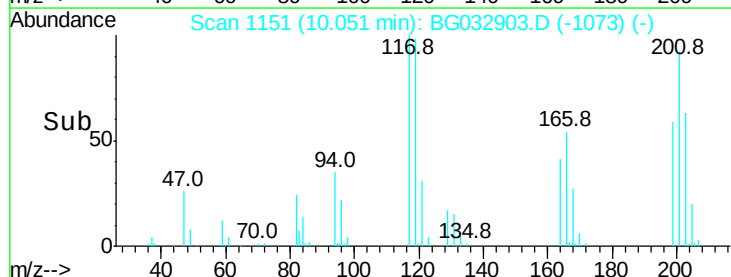
54 0.0 43.1 64.7#

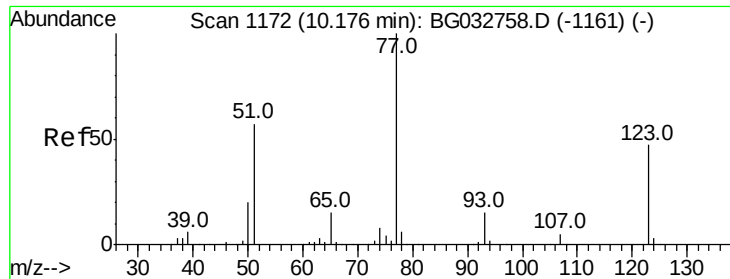


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 9126.824 ng

RT: 10.16 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampled :

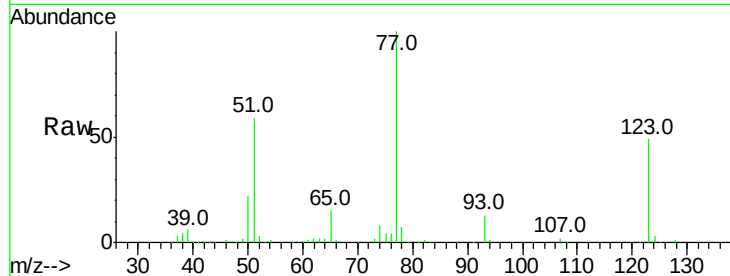
Tot Ion: 77 Resp: 253296

Ion Ratio Lower Upper

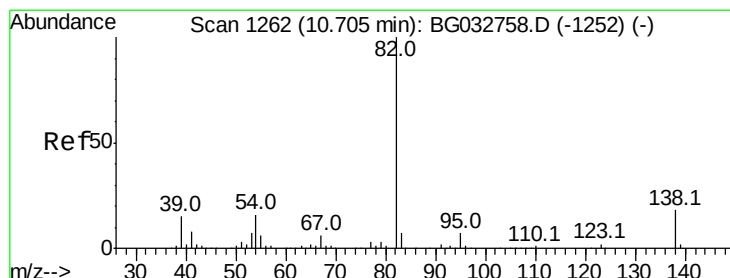
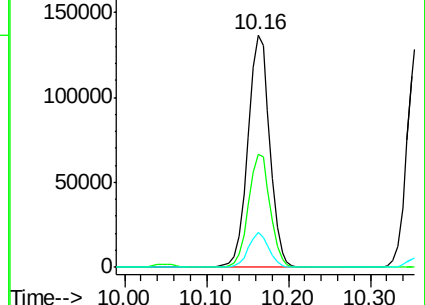
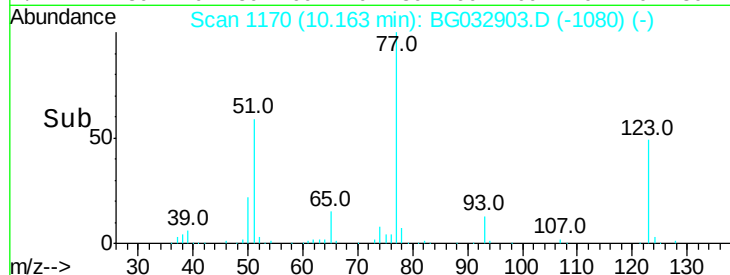
77 100

123 48.7 33.0 49.6

65 15.0 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: 11437.611 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.57 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

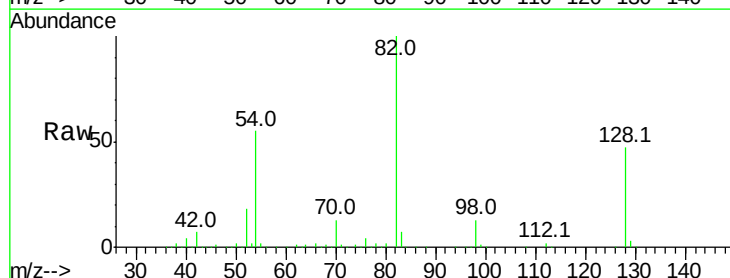
Tgt Ion: 82 Resp: 606194

Ion Ratio Lower Upper

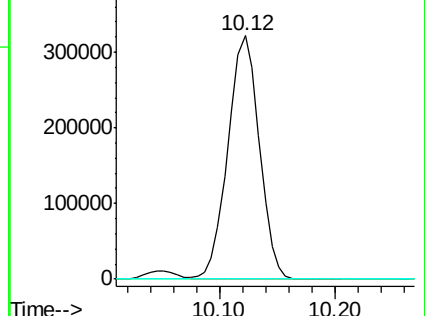
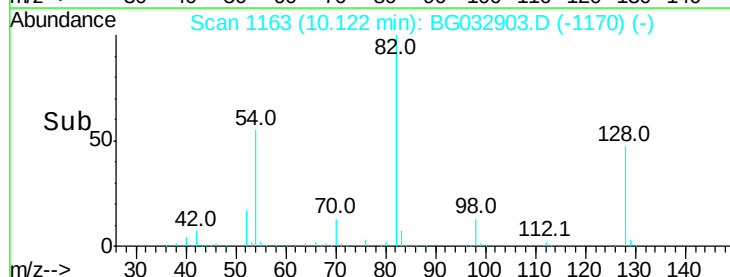
82 100

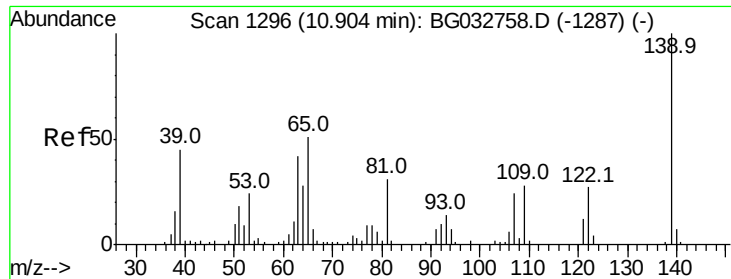
95 0.0 6.2 9.2#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC

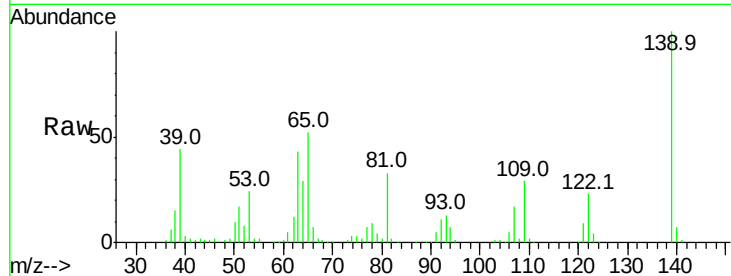




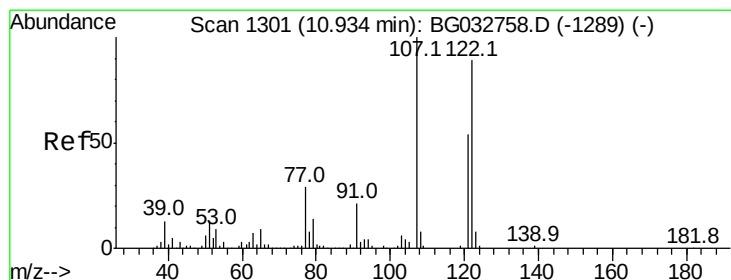
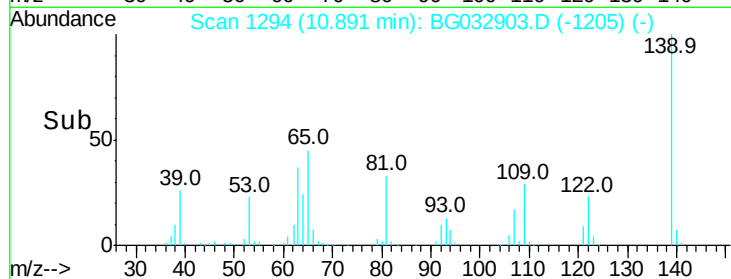
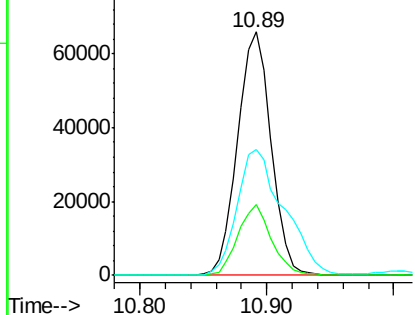
#26  
2-Nitrophenol  
Concen: 1457.595 ng  
RT: 10.89 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BG032903.D  
Acq: 1 Mar 2018 00:52

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:139 Resp: 120823  
Ion Ratio Lower Upper  
139 100  
109 28.9 24.2 36.2  
65 51.7 47.4 71.0

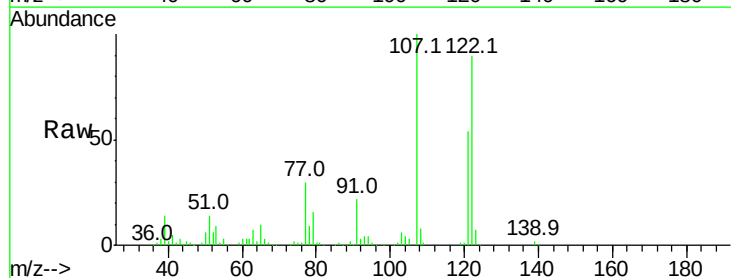


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): B

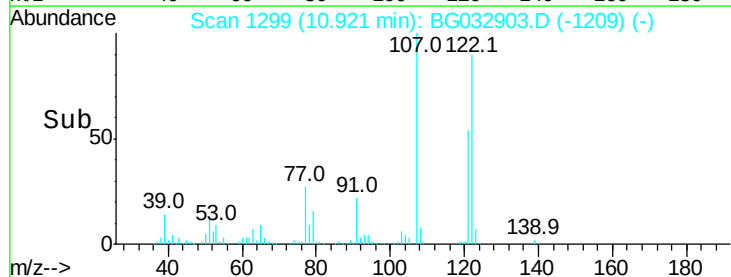
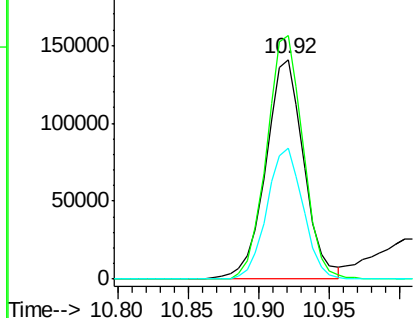


#27  
2,4-Dimethylphenol  
Concen: 11543.112 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: BG032903.D  
Acq: 1 Mar 2018 00:52

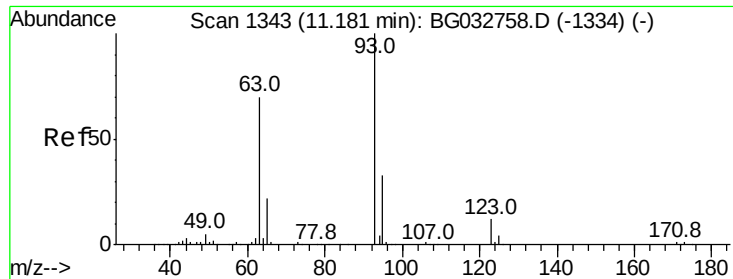
Tgt Ion:122 Resp: 265767  
Ion Ratio Lower Upper  
122 100  
107 110.7 100.2 150.2  
121 59.7 44.4 66.6



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



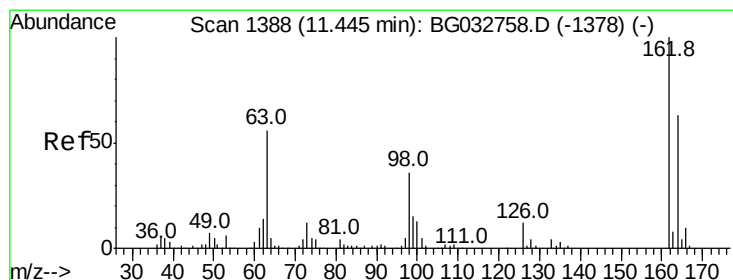
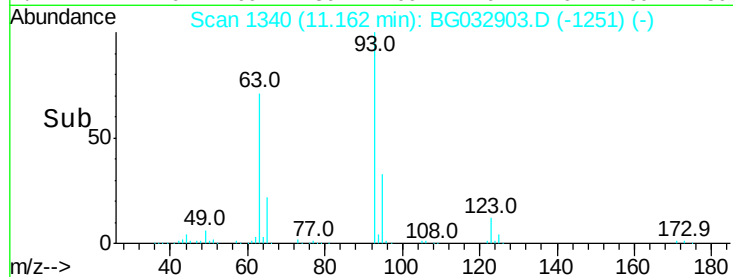
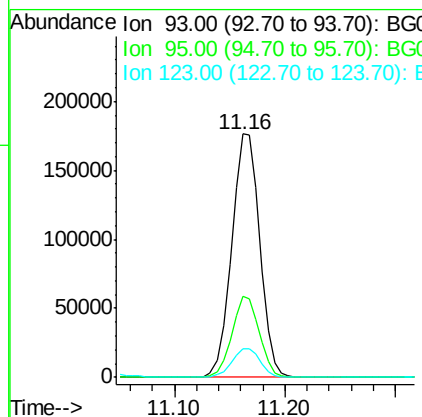
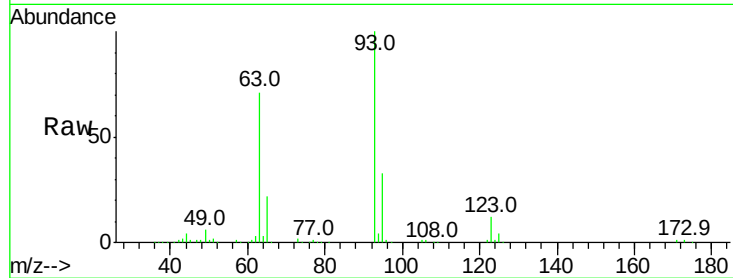




#28  
 bis(2-Chloroethoxy)methane  
 Concen: 10157.578 ng  
 RT: 11.16 min Scan# 1340  
 Delta R.T. -0.01 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

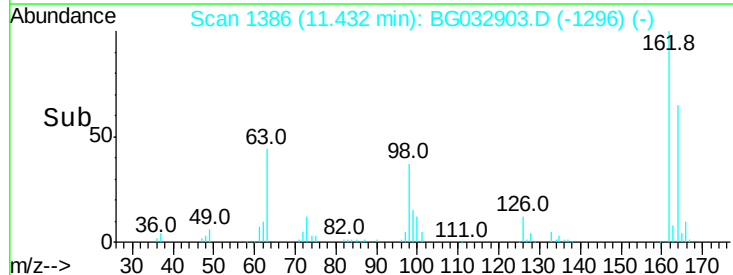
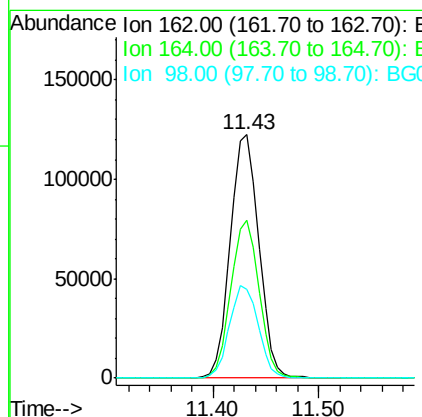
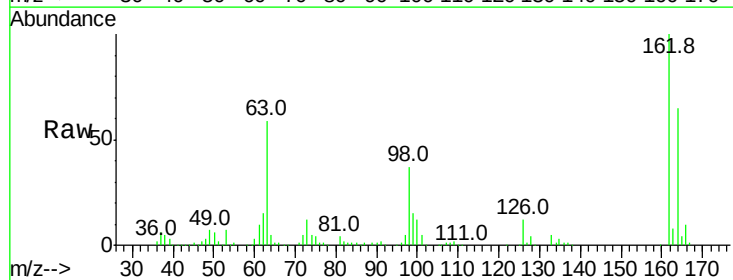
Instrument :  
 BNA\_G  
 ClientSampleId :

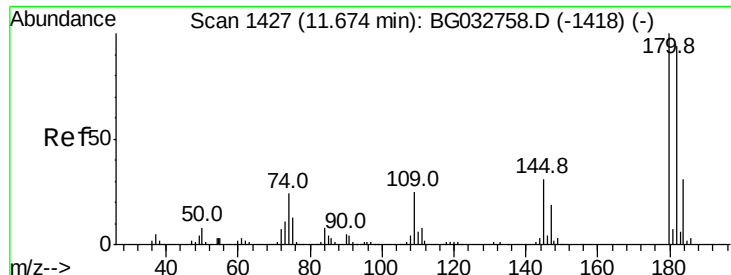
Tot Ion: 93 Resp: 313622  
 Ion Ratio Lower Upper  
 93 100  
 95 33.0 24.3 36.5  
 123 11.8 8.4 12.6



#29  
 2,4-Dichlorophenol  
 Concen: 10979.579 ng  
 RT: 11.43 min Scan# 1386  
 Delta R.T. -0.00 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion: 162 Resp: 229433  
 Ion Ratio Lower Upper  
 162 100  
 164 64.7 48.0 88.0  
 98 36.7 21.1 61.1

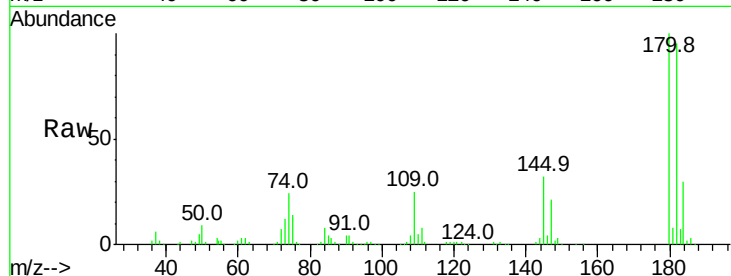




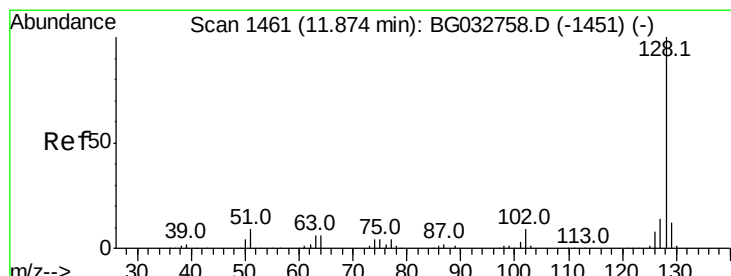
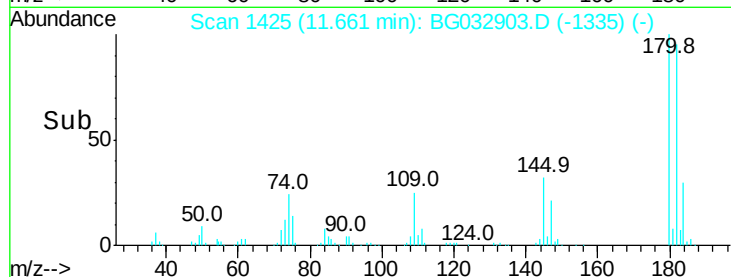
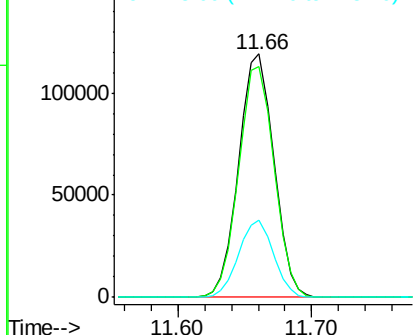
#30  
 1,2,4-Trichlorobenzene  
 Concen: 8885.980 ng  
 RT: 11.66 min Scan# 1425  
 Delta R.T. -0.00 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:180 Resp: 217661  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 77.5 116.3  
 145 31.7 23.4 35.2

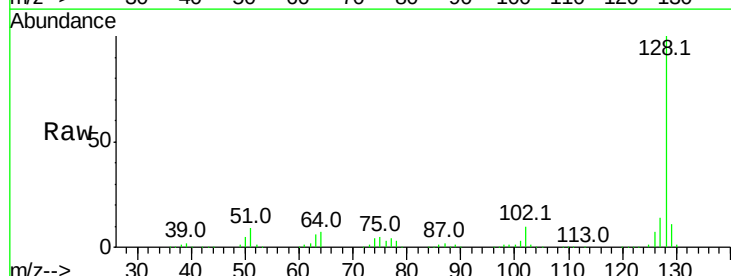


Abundance Ion 180.00 (179.70 to 180.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 145.00 (144.70 to 145.70): E

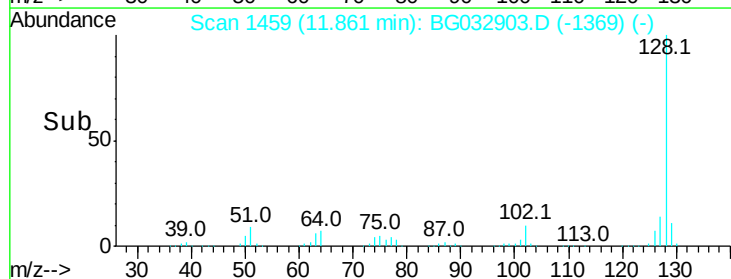
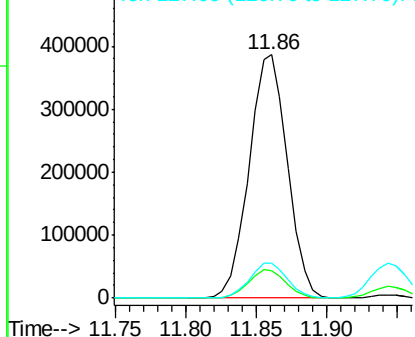


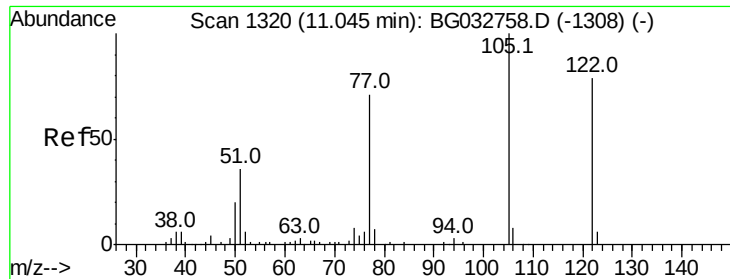
#31  
 Naphthalene  
 Concen: 9290.470 ng  
 RT: 11.86 min Scan# 1459  
 Delta R.T. -0.00 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:128 Resp: 733047  
 Ion Ratio Lower Upper  
 128 100  
 129 11.5 8.6 12.8  
 127 14.4 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

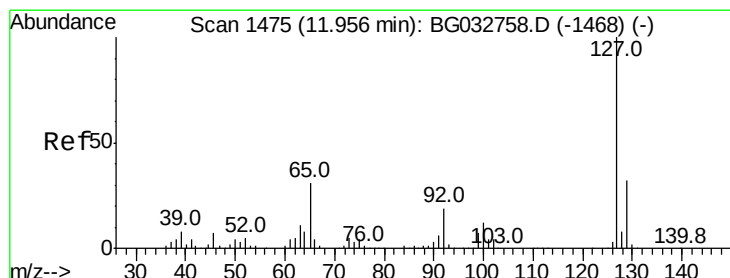
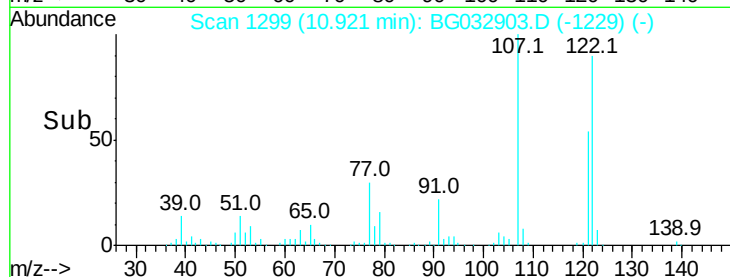
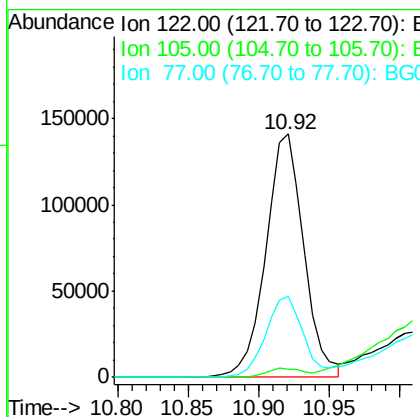
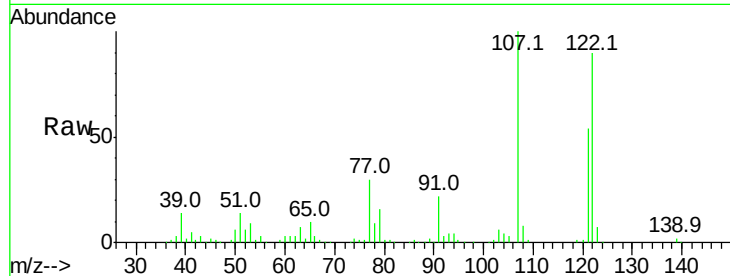




#32  
Benzoic acid  
Concen: 1509.898 ng  
RT: 10.92 min Scan# 1299  
Delta R.T. -0.12 min  
Lab File: BG032903.D  
Acq: 1 Mar 2018 00:52

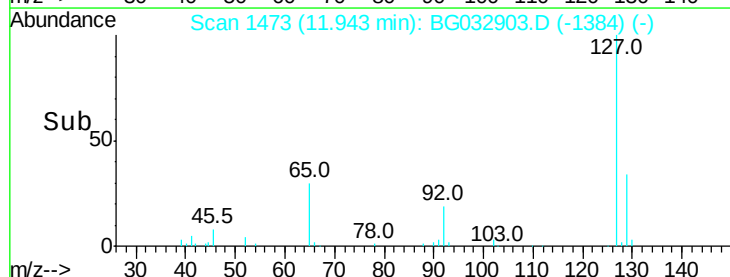
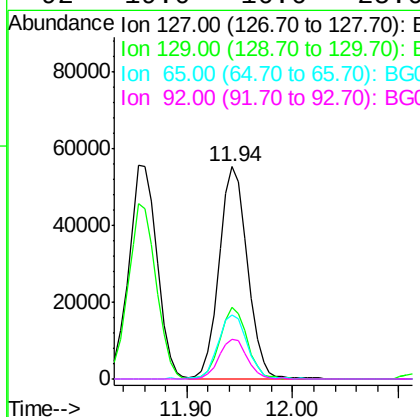
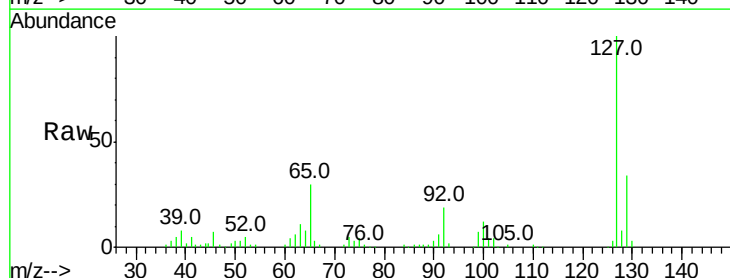
Instrument :  
BNA\_G  
ClientSampleId :

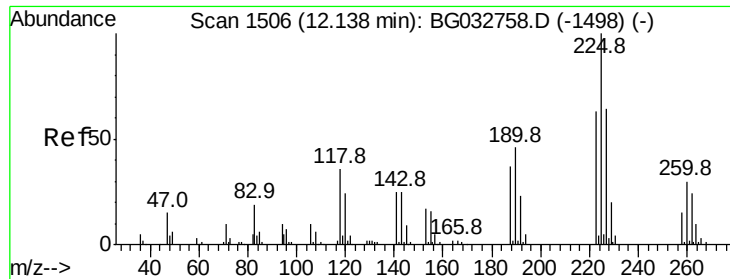
Tot Ion:122 Resp: 265767  
Ion Ratio Lower Upper  
122 100  
105 3.5 123.5 163.5#  
77 33.4 85.7 125.7#



#33  
4-Chloroaniline  
Concen: 2931.198 ng  
RT: 11.94 min Scan# 1473  
Delta R.T. -0.01 min  
Lab File: BG032903.D  
Acq: 1 Mar 2018 00:52

Tgt Ion:127 Resp: 103412  
Ion Ratio Lower Upper  
127 100  
129 33.9 24.0 36.0  
65 30.3 27.0 40.4  
92 19.0 16.6 25.0





#34

Hexachlorobutadiene

Concen: 8573.306 ng

RT: 12.12 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampled :

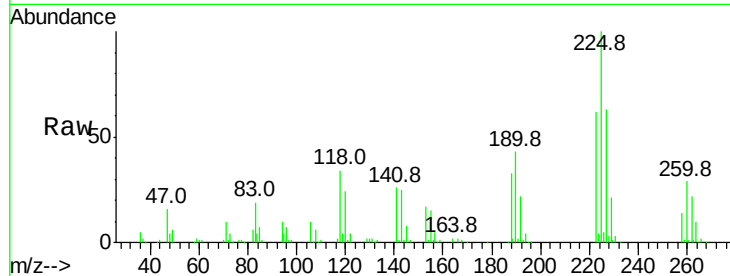
Tot Ion:225 Resp: 117794

Ion Ratio Lower Upper

225 100

223 61.6 49.7 74.5

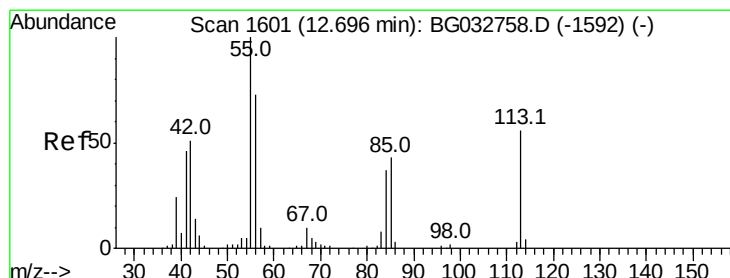
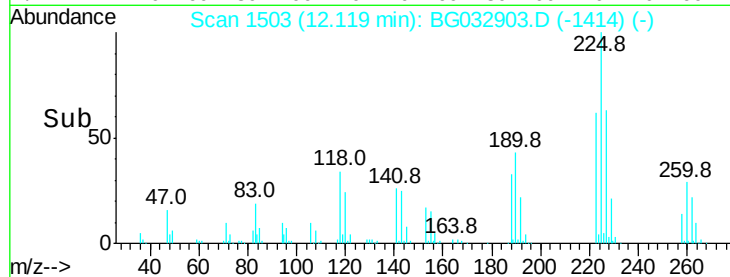
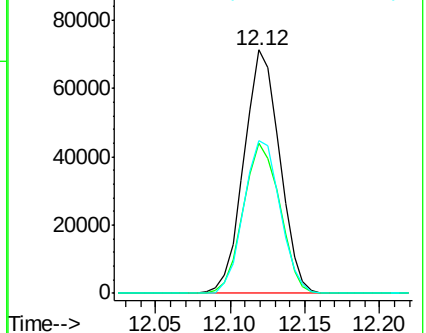
227 63.0 48.1 72.1



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 10345.341 ng

RT: 12.70 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

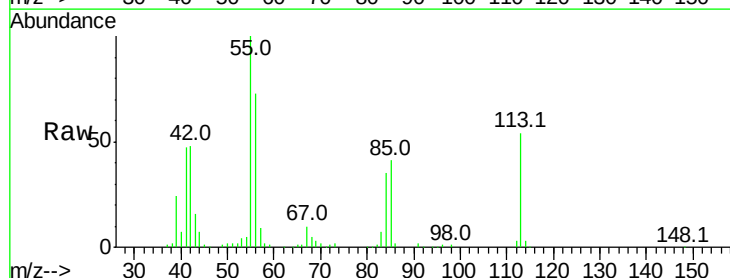
Tgt Ion:113 Resp: 86561

Ion Ratio Lower Upper

113 100

55 184.4 186.9 226.9#

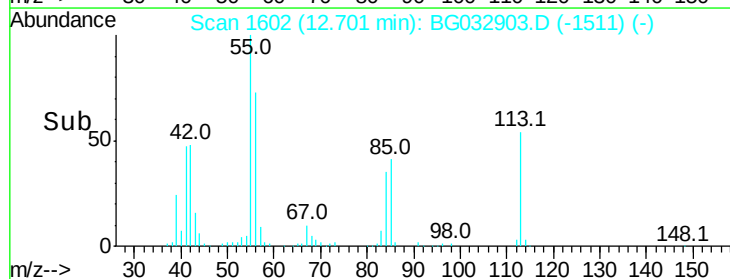
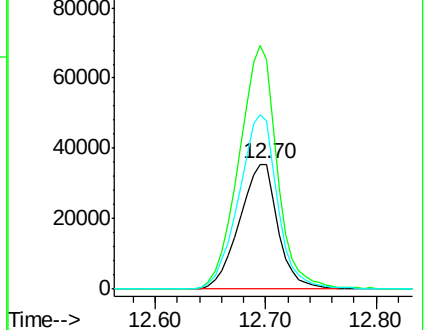
56 134.4 130.9 170.9

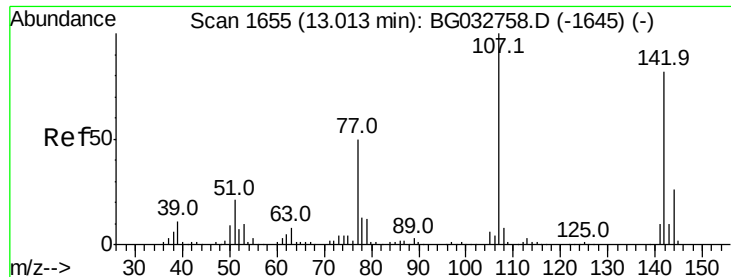


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0

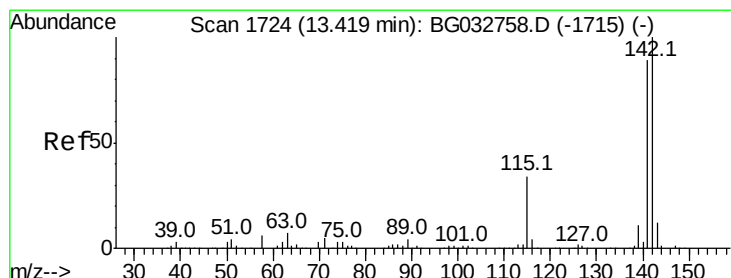
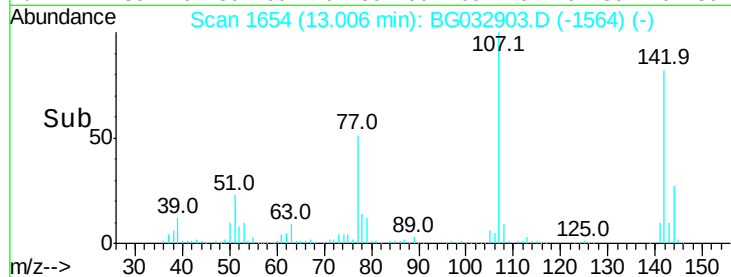
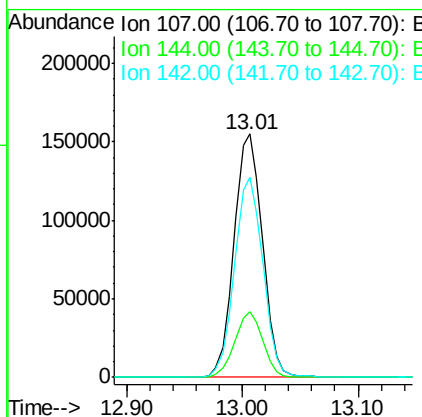
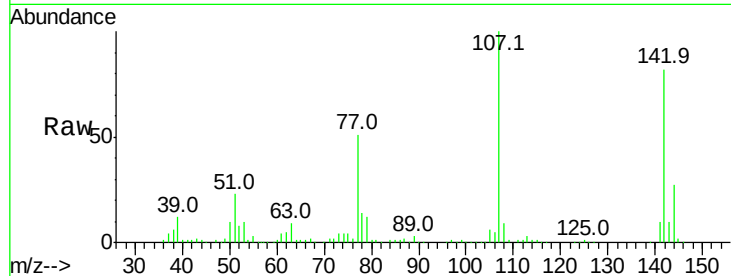




#36  
 4-Chloro-3-methylphenol  
 Concen: 10889.097 ng  
 RT: 13.01 min Scan# 1654  
 Delta R.T. -0.00 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

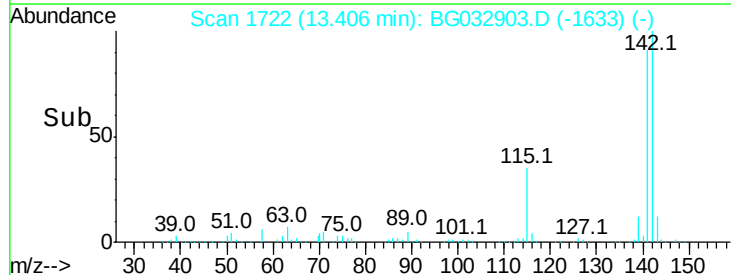
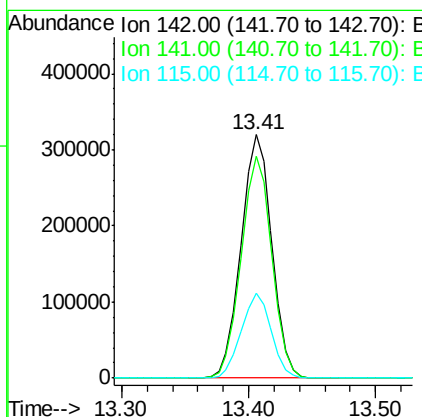
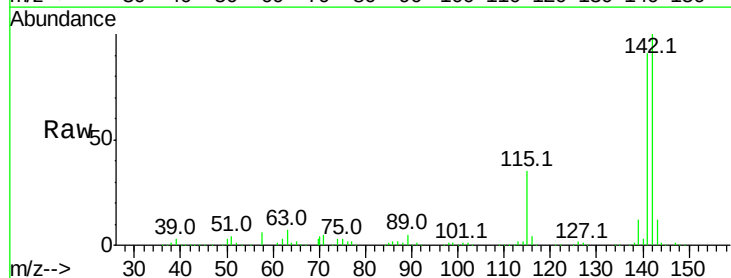
Instrument :  
 BNA\_G  
 ClientSampled :

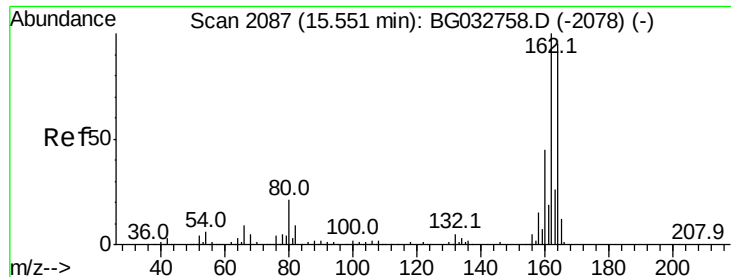
Tot Ion:107 Resp: 264793  
 Ion Ratio Lower Upper  
 107 100  
 144 27.1 18.2 27.4  
 142 82.2 59.0 88.4



#37  
 2-Methylnaphthalene  
 Concen: 9406.404 ng  
 RT: 13.41 min Scan# 1722  
 Delta R.T. -0.01 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:142 Resp: 536962  
 Ion Ratio Lower Upper  
 142 100  
 141 91.1 67.1 100.7  
 115 34.8 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.96 min Scan# 1987

Delta R.T. -0.58 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampled :

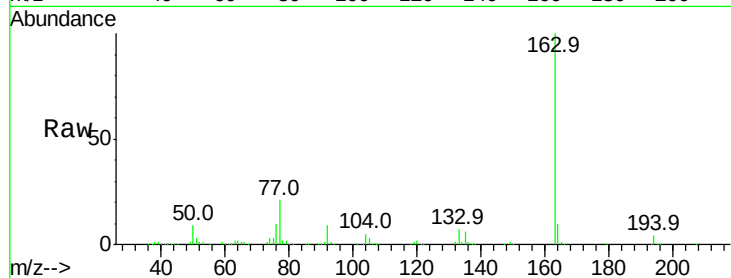
Tot Ion:164 Resp: 68345

Ion Ratio Lower Upper

164 100

162 0.0 78.8 118.2#

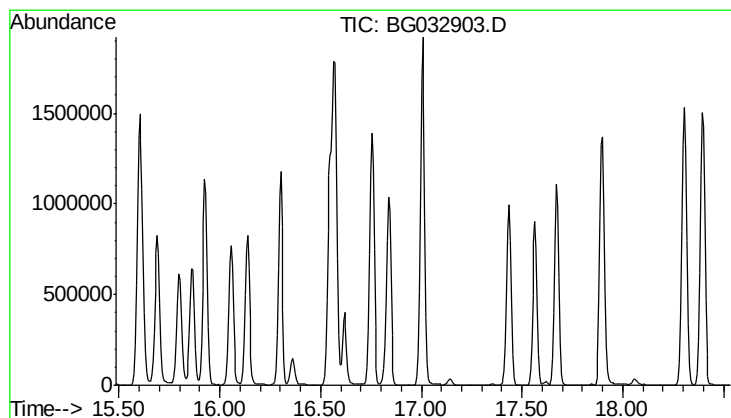
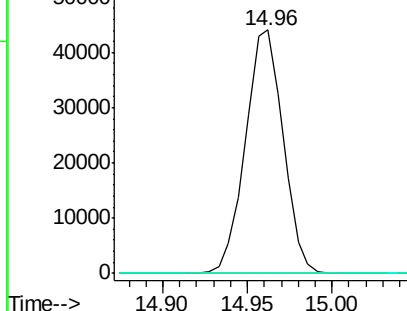
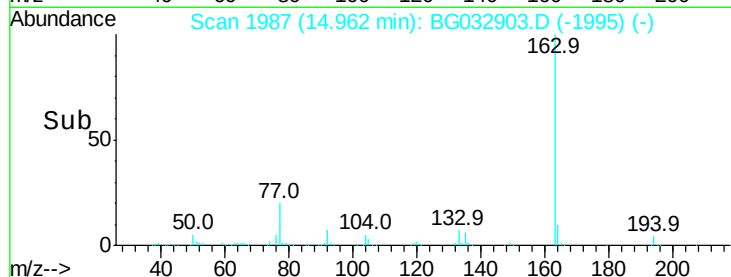
160 0.0 35.4 53.0#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 17.01 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

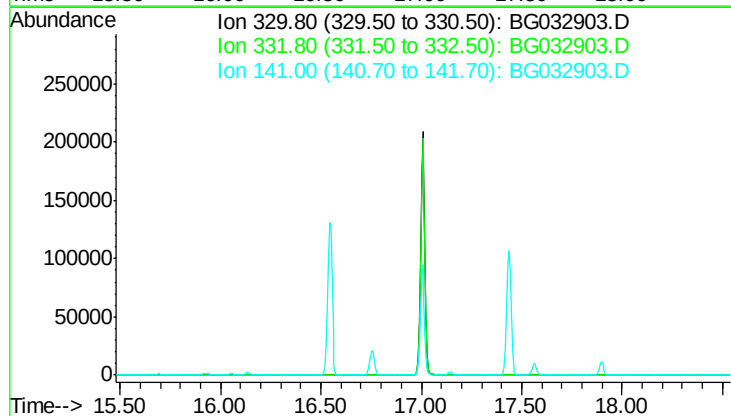
Tgt Ion: 330

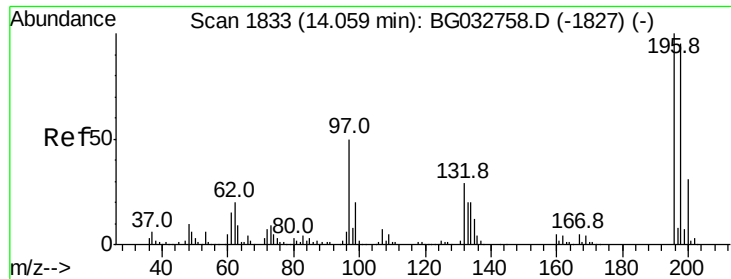
Sig Exp Ratio

330 100

332 96.3

141 31.5

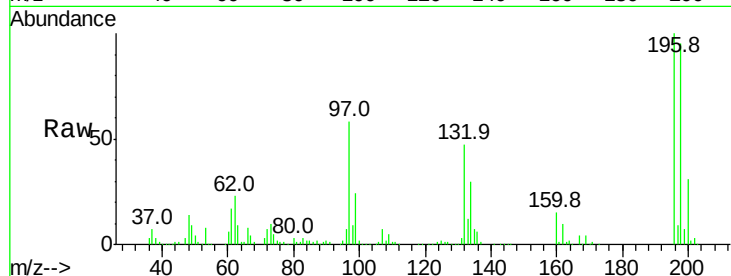




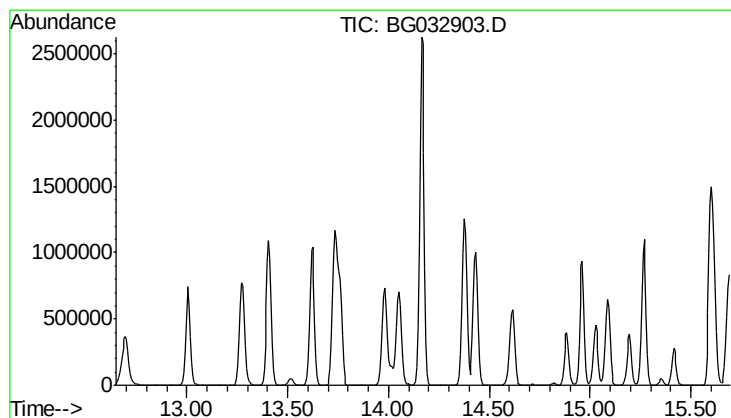
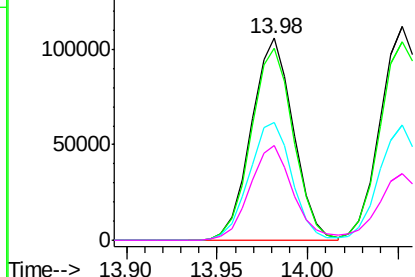
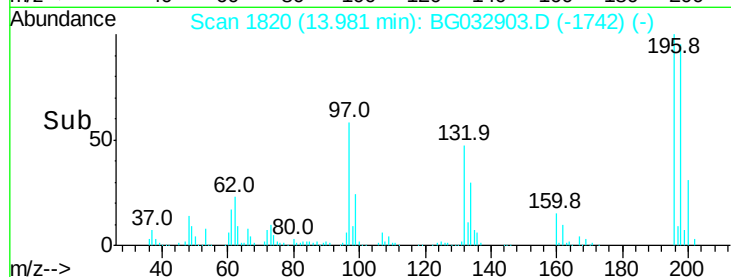
#43  
 2,4,5-Trichlorophenol  
 Concen: 115.966 ng  
 RT: 13.98 min Scan# 1820  
 Delta R.T. -0.07 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:196 Resp: 171725  
 Ion Ratio Lower Upper  
 196 100  
 198 95.2 76.2 114.4  
 97 58.1 38.7 58.1#  
 132 46.8 20.2 30.2#

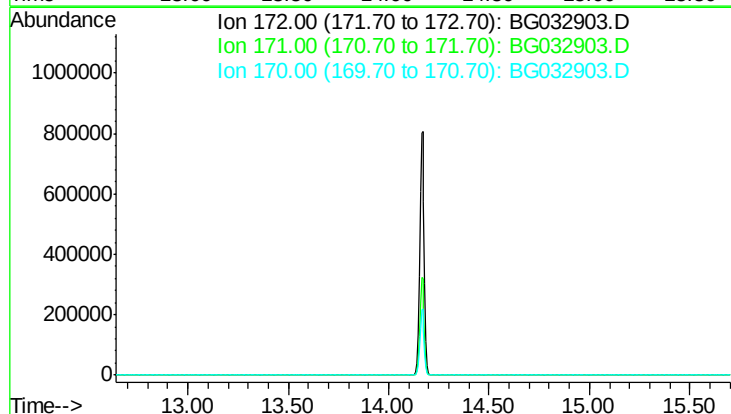


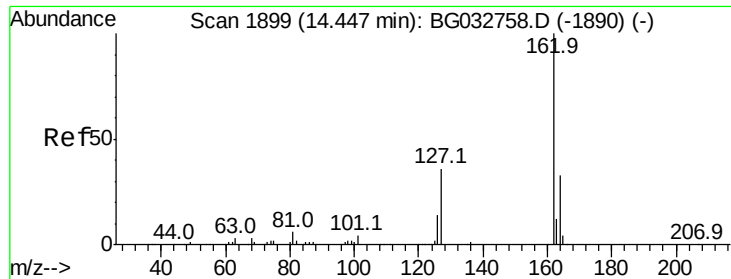
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): B  
 Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 14.17 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 37.5  
 170 24.4

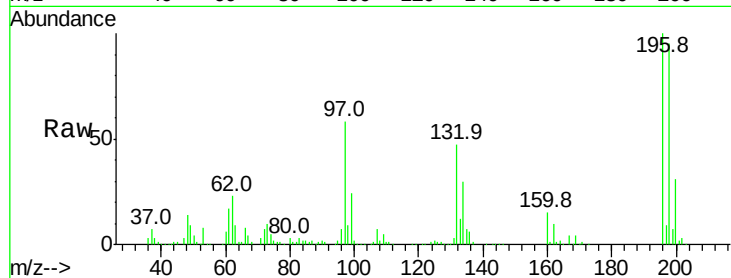




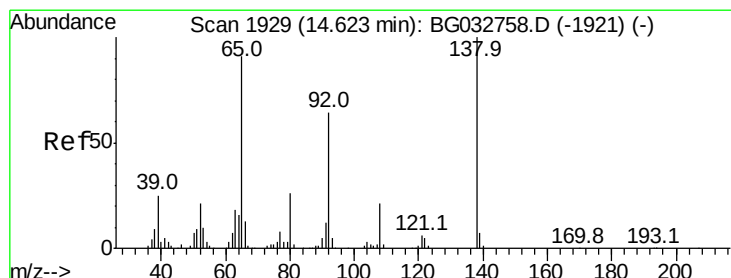
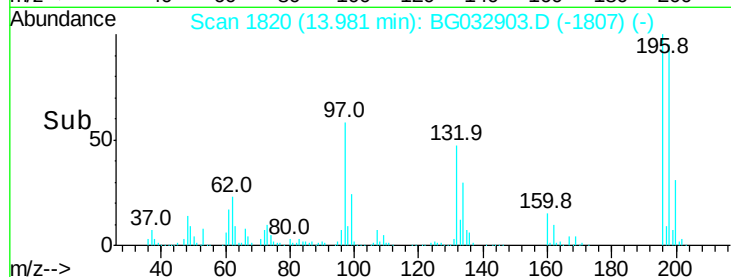
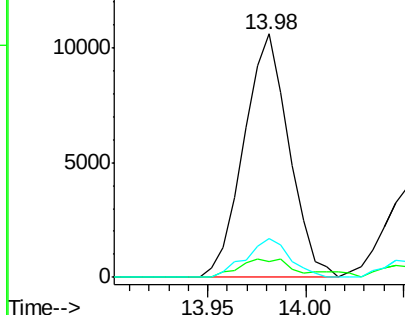
#46  
 2-Chloronaphthalene  
 Concen: 3.800 ng  
 RT: 13.98 min Scan# 1820  
 Delta R.T. -0.46 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:162 Resp: 16953  
 Ion Ratio Lower Upper  
 162 100  
 127 6.4 30.7 46.1#  
 164 15.8 26.0 39.0#

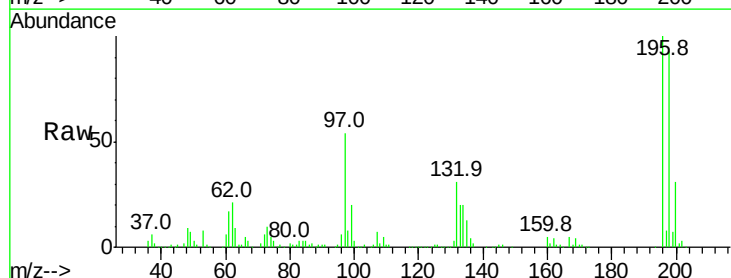


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

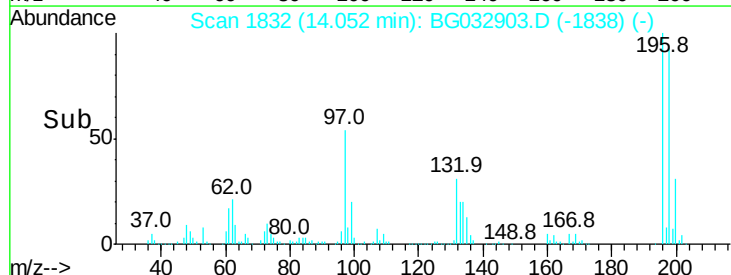
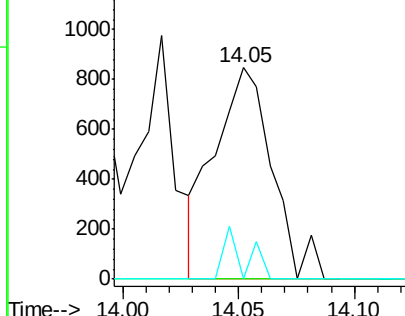


#47  
 2-Nitroaniline  
 Concen: 10.877 ng  
 RT: 14.05 min Scan# 1832  
 Delta R.T. -0.57 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

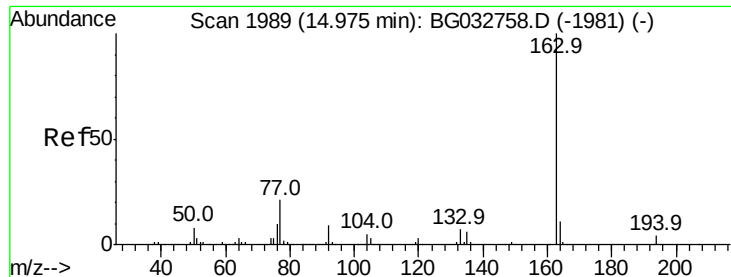
Tgt Ion: 65 Resp: 1474  
 Ion Ratio Lower Upper  
 65 100  
 92 0.0 54.6 82.0#  
 138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC  
 Ion 92.00 (91.70 to 92.70): BGC  
 Ion 138.00 (137.70 to 138.70): E







#49

Dimethylphthalate

Concen: 10.339 ng

RT: 14.43 min Scan# 1897

Delta R.T. -0.54 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampled :

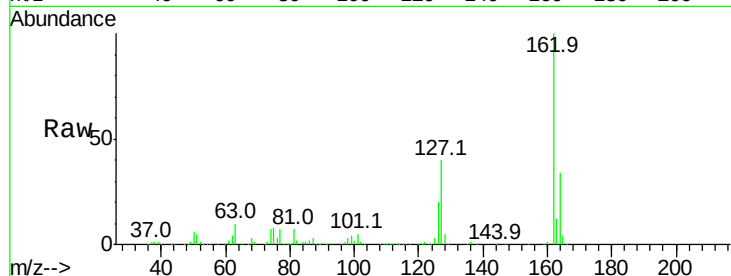
Tot Ion:163 Resp: 59999

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

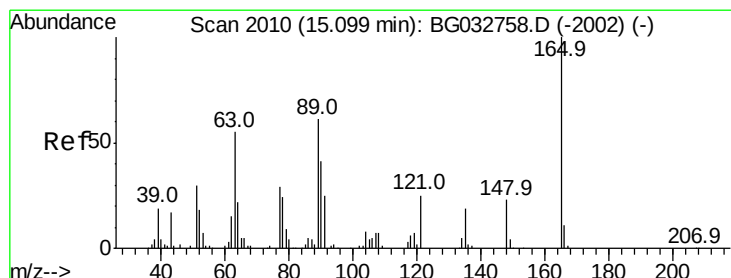
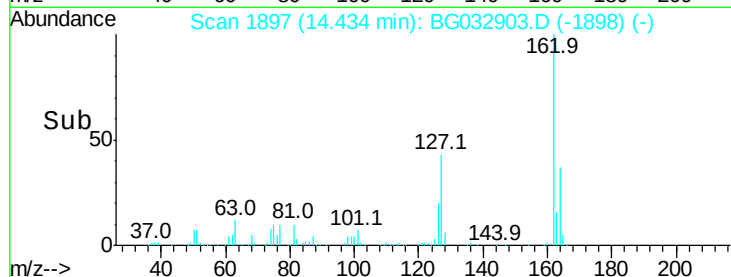
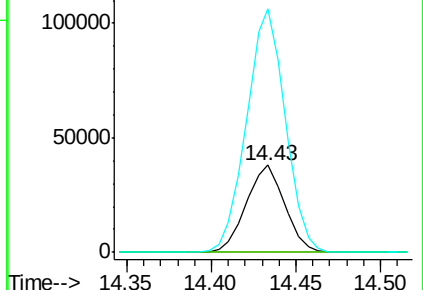
164 278.9 8.2 12.4#



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: 24.516 ng

RT: 14.43 min Scan# 1897

Delta R.T. -0.66 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

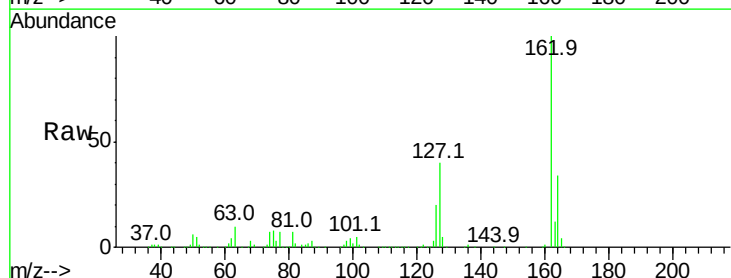
Tgt Ion:165 Resp: 18415

Ion Ratio Lower Upper

165 100

63 275.4 52.7 79.1#

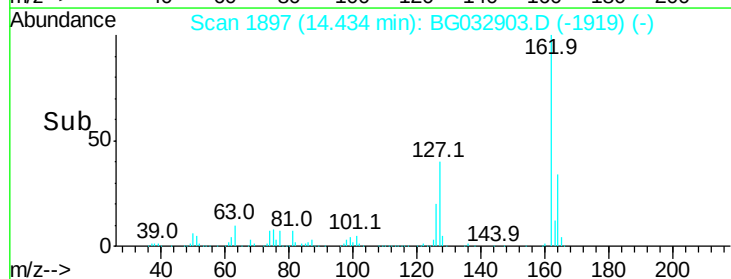
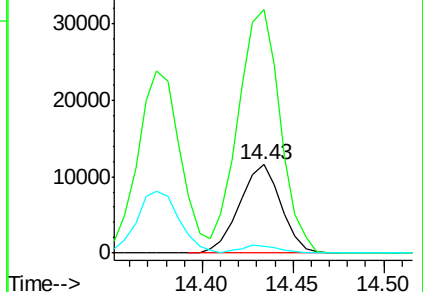
89 7.8 49.2 73.8#

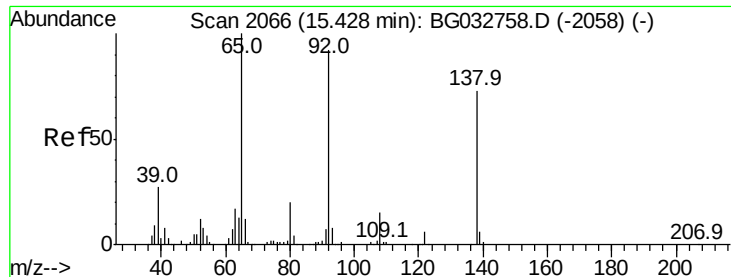


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

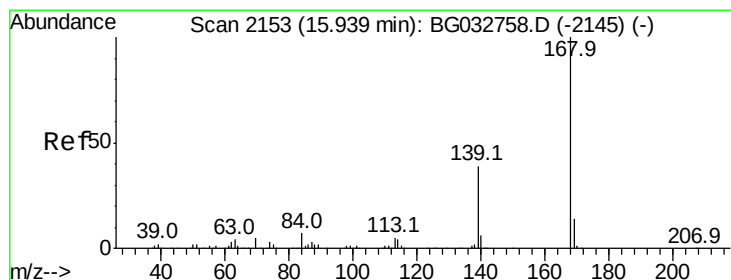
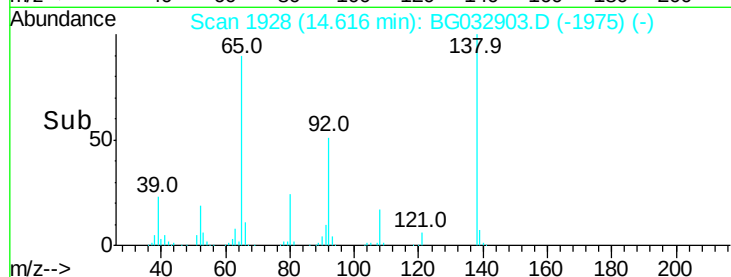
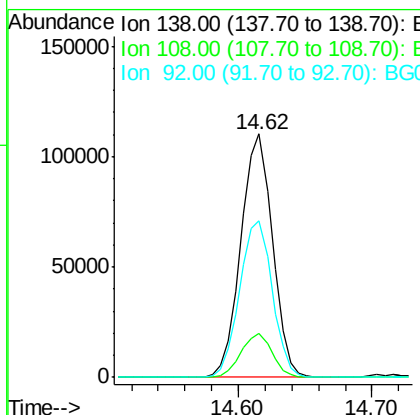
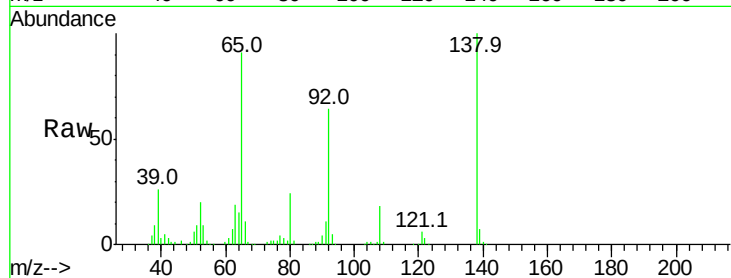




#52  
 3-Nitroaniline  
 Concen: 135.480 ng  
 RT: 14.62 min Scan# 1928  
 Delta R.T. -0.81 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

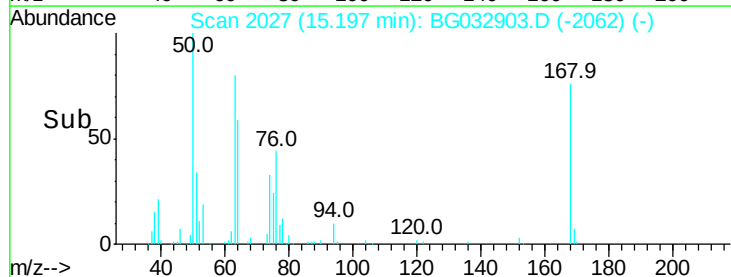
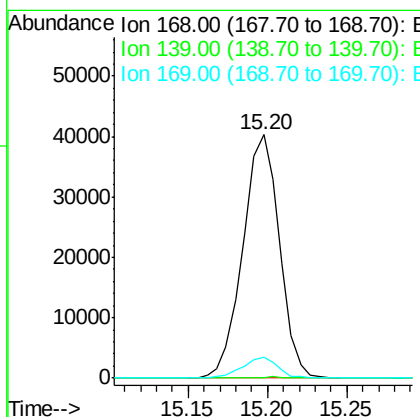
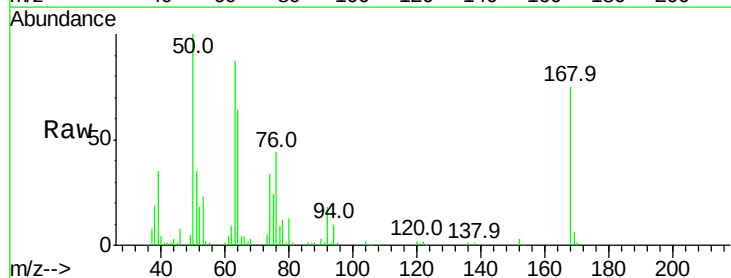
Instrument :  
 BNA\_G  
 ClientSampled :

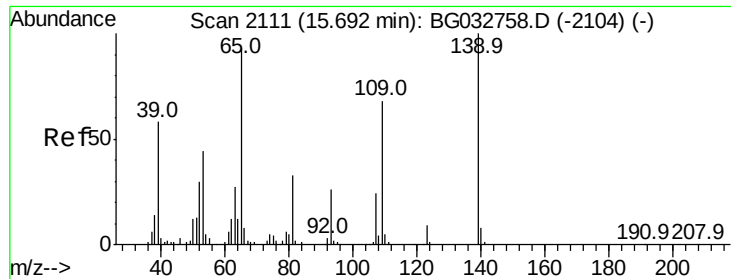
Tot Ion:138 Resp: 180369  
 Ion Ratio Lower Upper  
 138 100  
 108 17.9 17.5 26.3  
 92 64.1 105.8 158.8#



#54  
 Dibenzofuran  
 Concen: 9.948 ng  
 RT: 15.20 min Scan# 2027  
 Delta R.T. -0.74 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:168 Resp: 64437  
 Ion Ratio Lower Upper  
 168 100  
 139 0.0 28.6 43.0#  
 169 8.6 11.2 16.8#





#55

4-Nitrophenol

Concen: 7.518 ng

RT: 14.89 min Scan# 1974

Delta R.T. -0.80 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

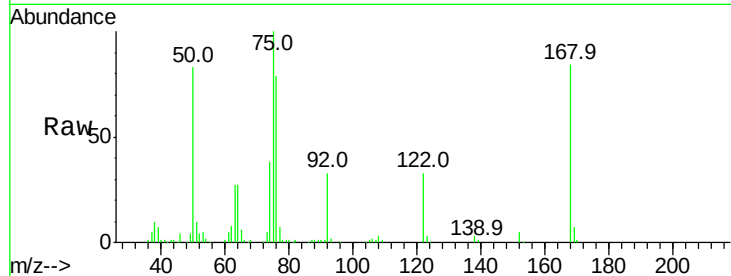
Tot Ion:139 Resp: 456

Ion Ratio Lower Upper

139 100

109 106.5 62.2 102.2#

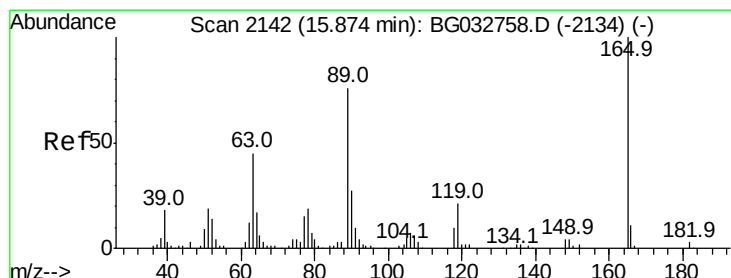
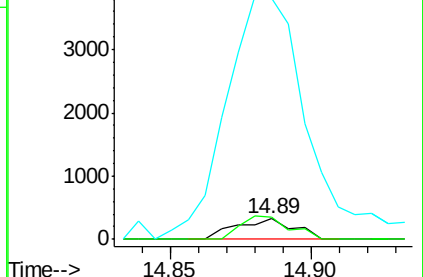
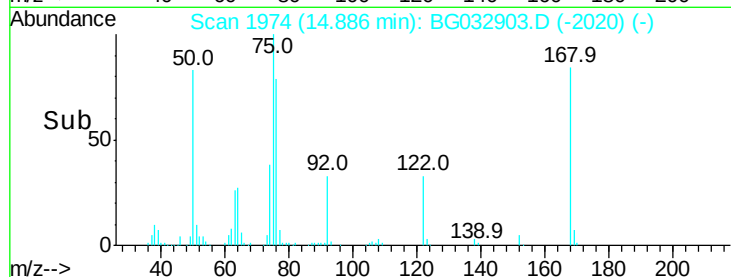
65 1172.0 97.2 137.2#



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: 99.577 ng

RT: 15.09 min Scan# 2008

Delta R.T. -0.78 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Tgt Ion:165 Resp: 143647

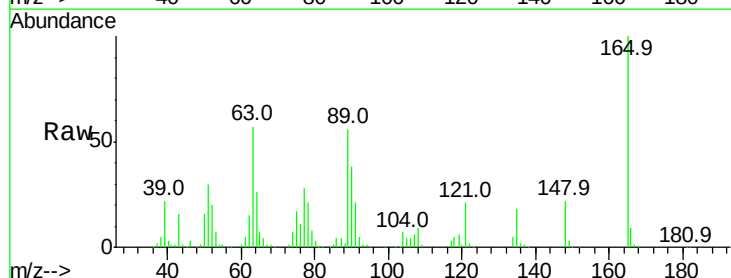
Ion Ratio Lower Upper

165 100

63 56.9 42.0 63.0

89 55.9 66.9 100.3#

182 0.3 2.6 3.8#

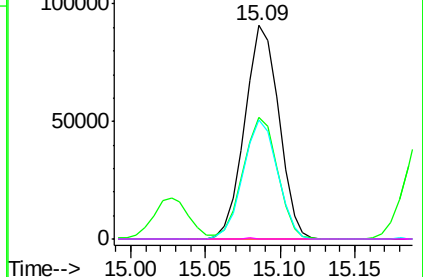
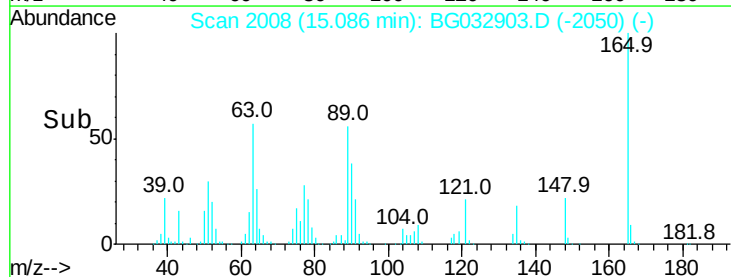


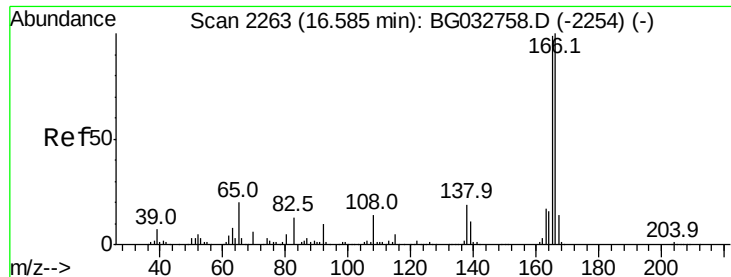
Abundance Ion 165.00 (164.70 to 165.70): E

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

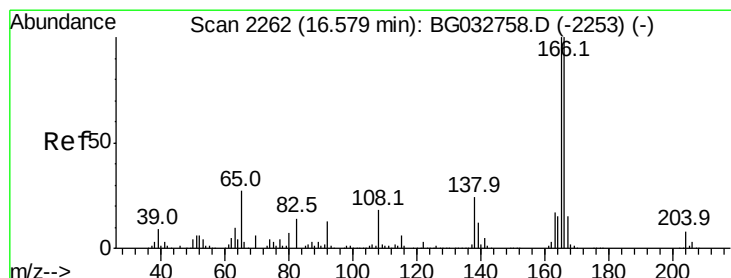
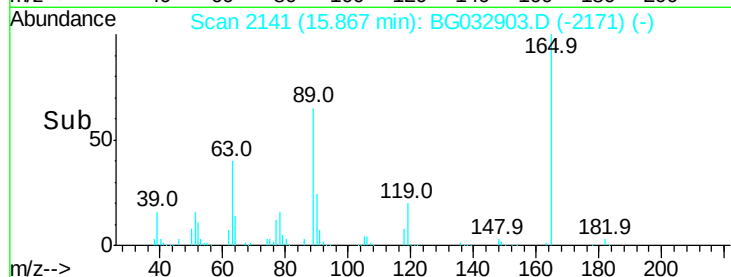
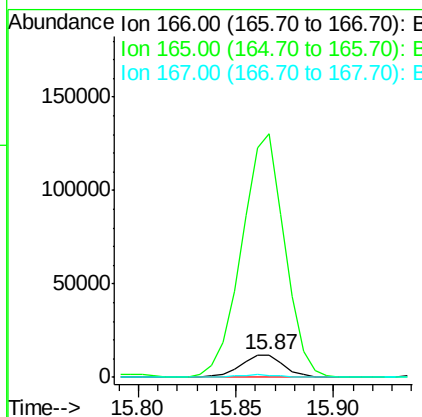
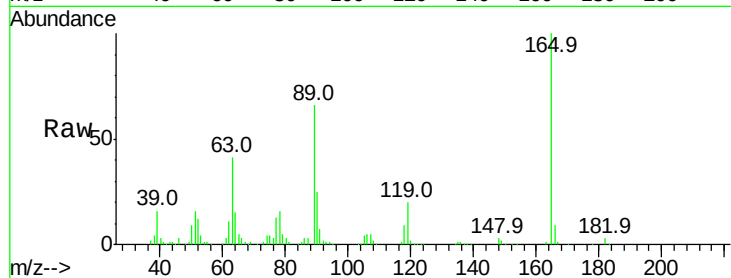




#57  
 Fluorene  
 Concen: 3.380 ng  
 RT: 15.87 min Scan# 2141  
 Delta R.T. -0.71 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

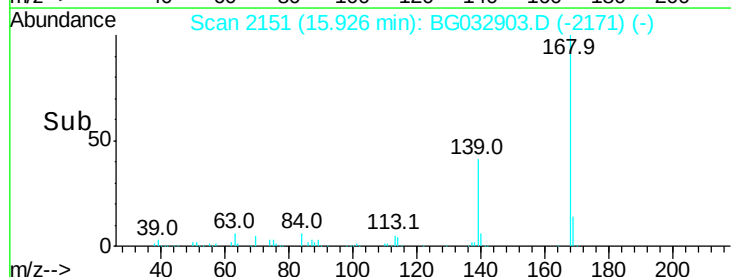
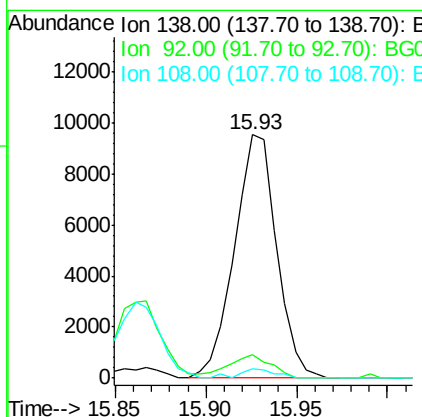
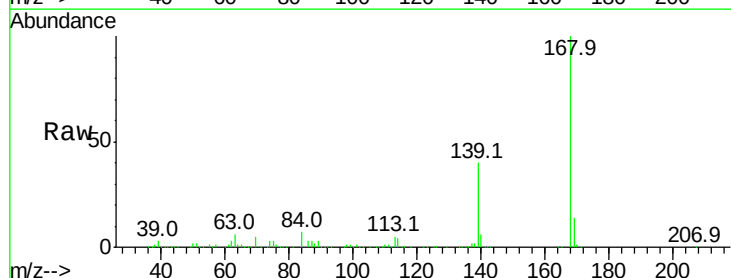
Instrument :  
 BNA\_G  
 ClientSampled :

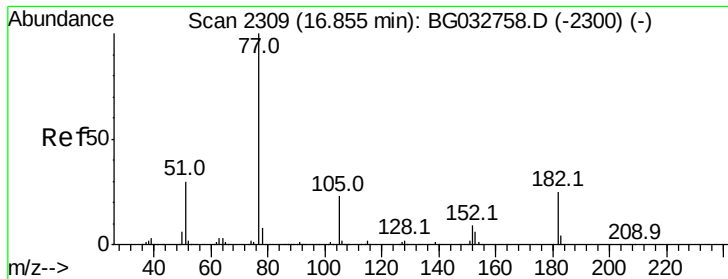
Tot Ion:166 Resp: 18069  
 Ion Ratio Lower Upper  
 166 100  
 165 1086.5 80.6 121.0#  
 167 9.8 10.4 15.6#



#61  
 4-Nitroaniline  
 Concen: 16.209 ng  
 RT: 15.93 min Scan# 2151  
 Delta R.T. -0.65 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:138 Resp: 15407  
 Ion Ratio Lower Upper  
 138 100  
 92 9.9 40.1 80.1#  
 108 3.6 65.4 105.4#





#62

Azobenzene

Concen: 5.503 ng

RT: 16.30 min Scan# 2215

Delta R.T. -0.54 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 77 Resp: 30133

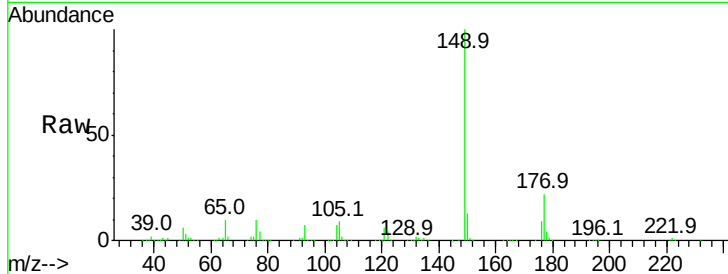
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 217.0 0.3 40.3#

51 64.1 11.6 51.6#

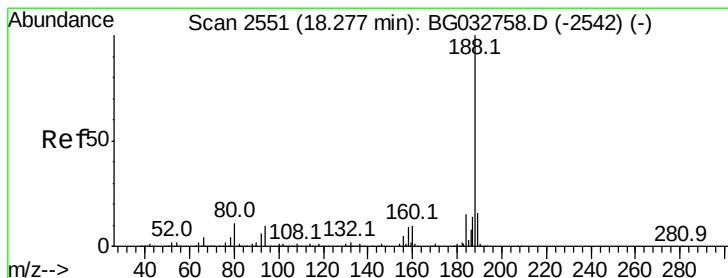
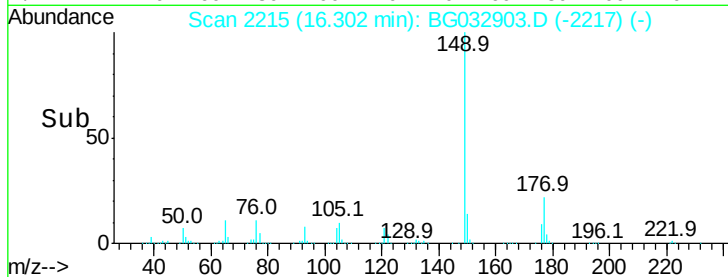
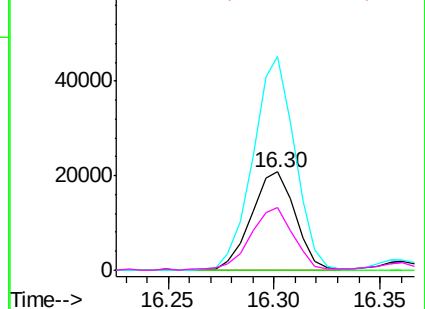


Abundance Ion 77.00 (76.70 to 77.70): BG0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.70 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

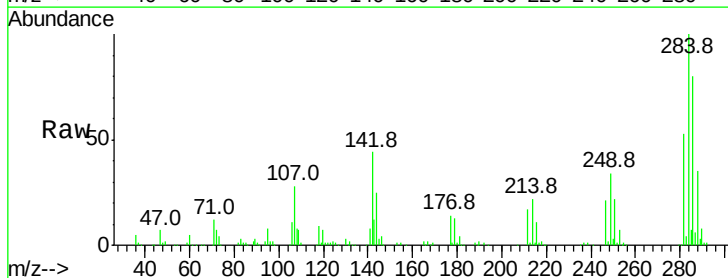
Tgt Ion: 188 Resp: 2022

Ion Ratio Lower Upper

188 100

94 208.9 6.9 10.3#

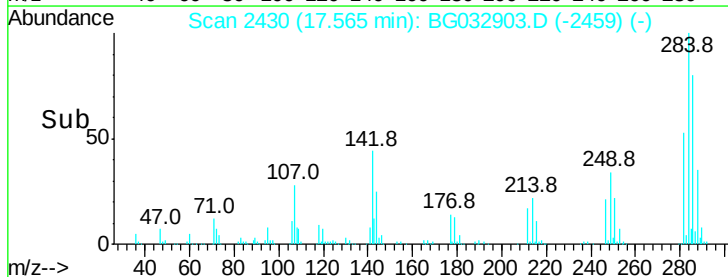
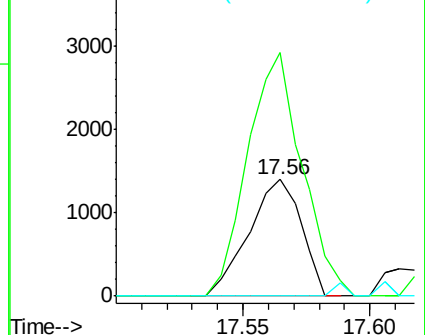
80 0.0 7.7 11.5#

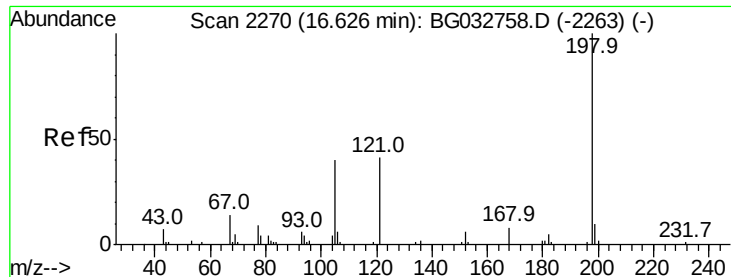


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

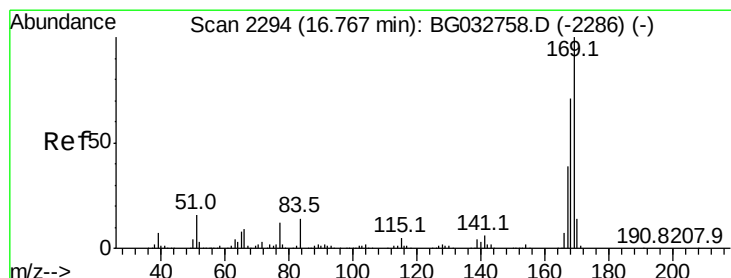
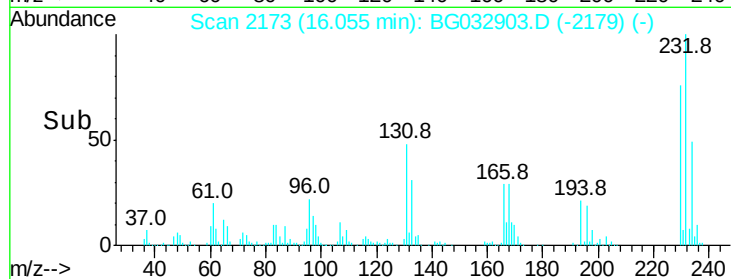
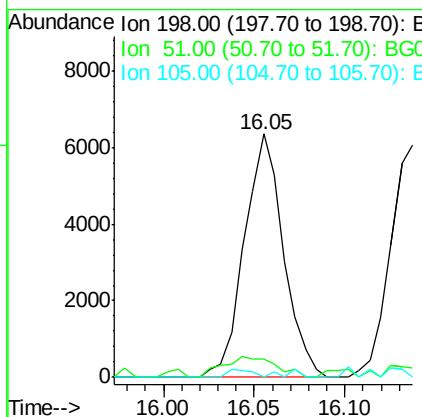
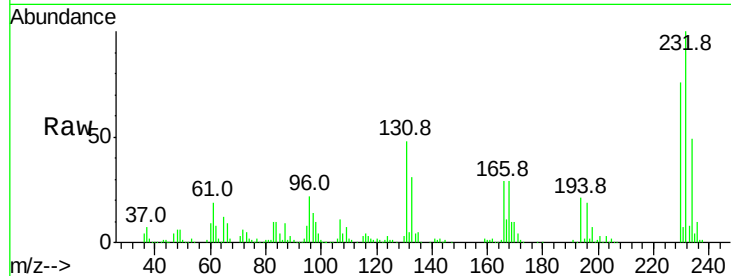




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 425.839 ng  
 RT: 16.05 min Scan# 2173  
 Delta R.T. -0.57 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

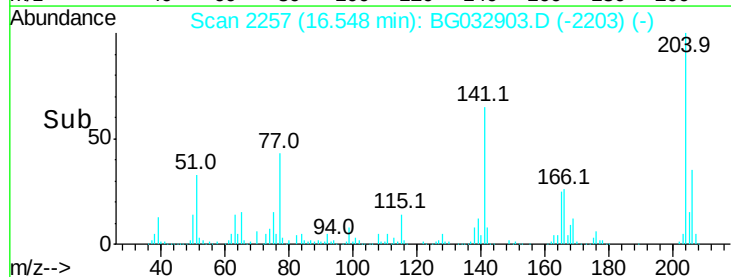
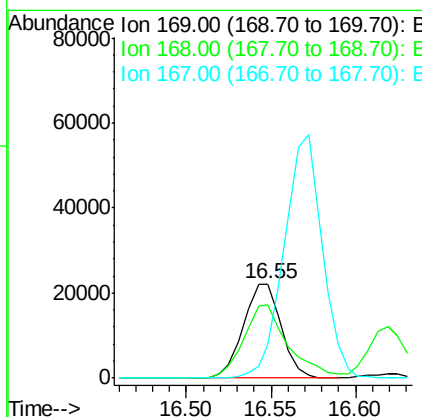
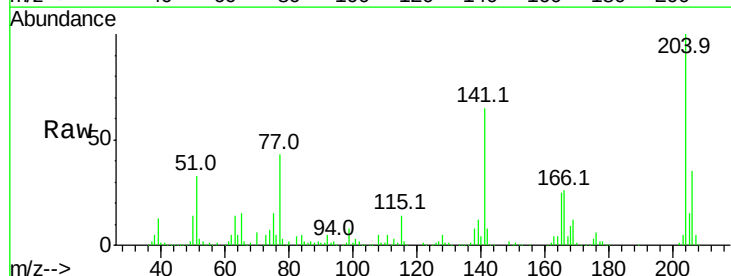
Instrument :  
 BNA\_G  
 ClientSampleId :

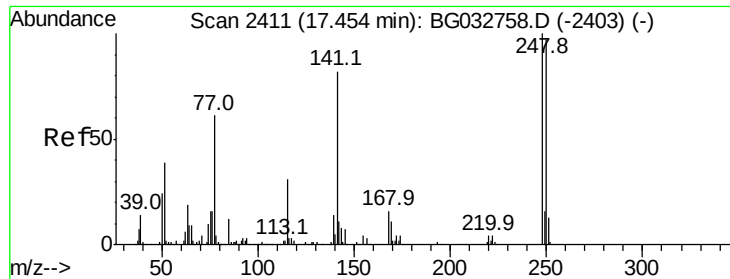
Tot Ion:198 Resp: 9565  
 Ion Ratio Lower Upper  
 198 100  
 51 7.3 30.6 70.6#  
 105 0.0 23.8 63.8#



#65  
 n-Nitrosodiphenylamine  
 Concen: 523.134 ng  
 RT: 16.55 min Scan# 2257  
 Delta R.T. -0.21 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:169 Resp: 34411  
 Ion Ratio Lower Upper  
 169 100  
 168 77.2 55.7 83.5  
 167 36.0 30.1 45.1

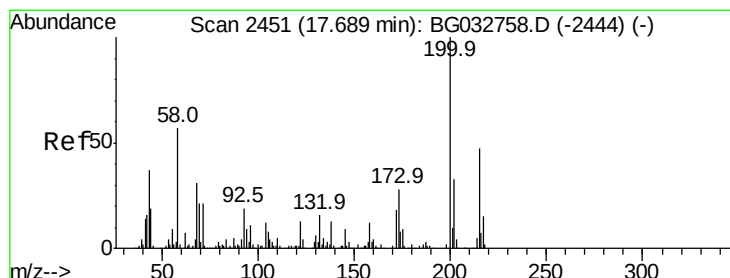
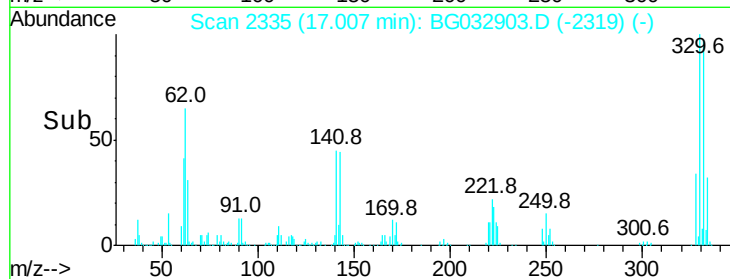
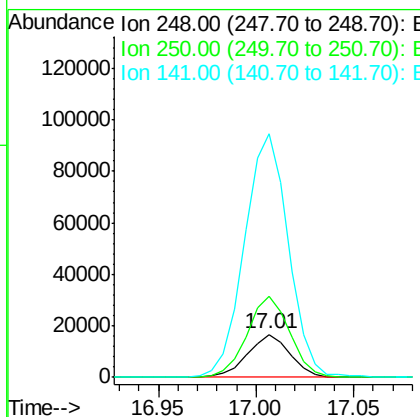
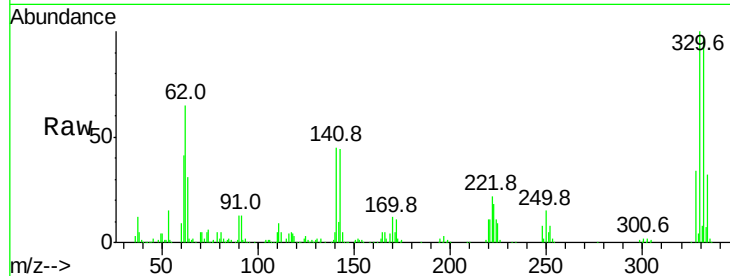




#66  
 4-Bromophenyl-phenylether  
 Concen: 1156.568 ng  
 RT: 17.01 min Scan# 2335  
 Delta R.T. -0.44 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

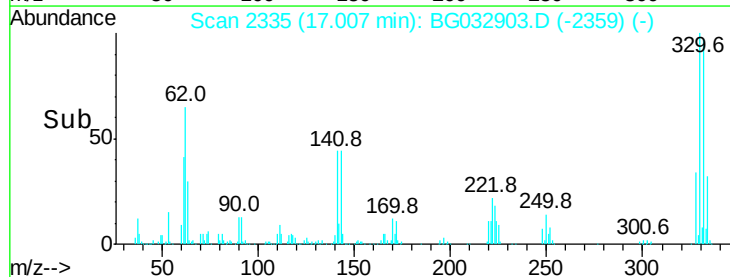
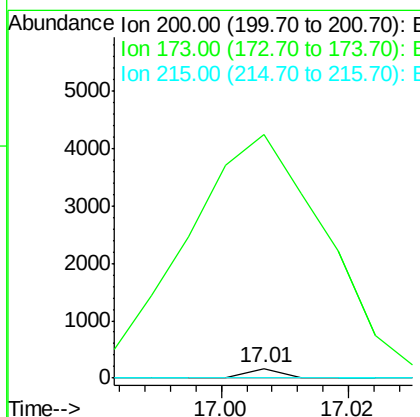
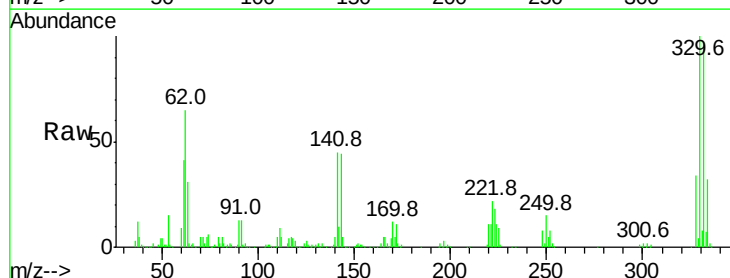
Instrument :  
 BNA\_G  
 ClientSampleId :

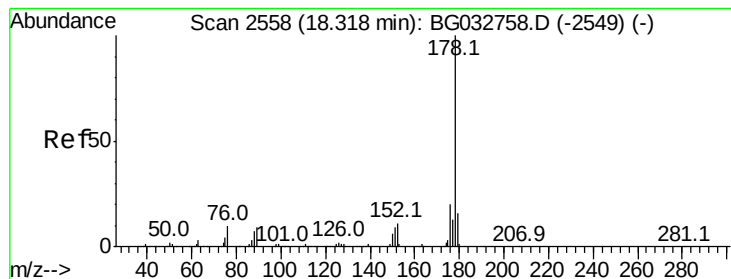
Tot Ion:248 Resp: 24728  
 Ion Ratio Lower Upper  
 248 100  
 250 189.5 77.1 115.7#  
 141 567.4 50.8 76.2#



#68  
 Atrazine  
 Concen: 2.817 ng  
 RT: 17.01 min Scan# 2335  
 Delta R.T. -0.67 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:200 Resp: 61  
 Ion Ratio Lower Upper  
 200 100  
 173 2467.4 5.2 45.2#  
 215 0.0 30.4 70.4#





#70

Phenanthrene

Concen: 16.612 ng

RT: 17.56 min Scan# 2430

Delta R.T. -0.75 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

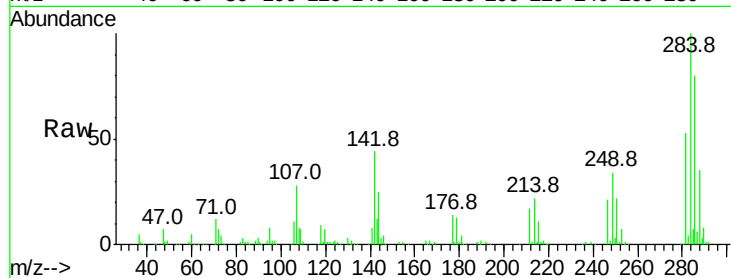
Tot Ion:178 Resp: 1874

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

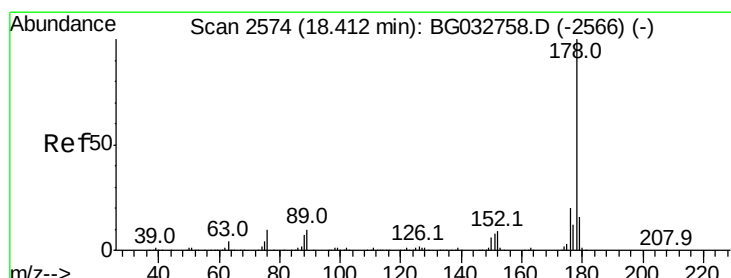
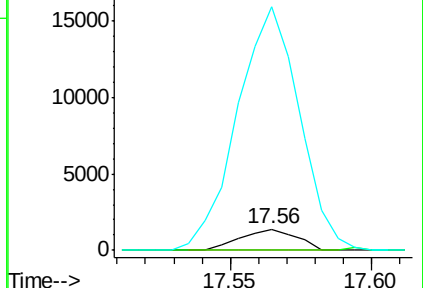
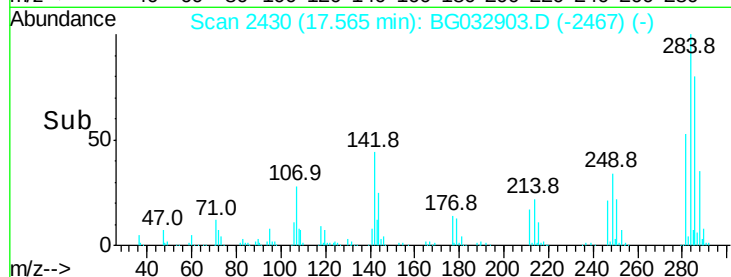
179 1132.1 12.5 18.7#



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: 4.388 ng

RT: 17.67 min Scan# 2448

Delta R.T. -0.73 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

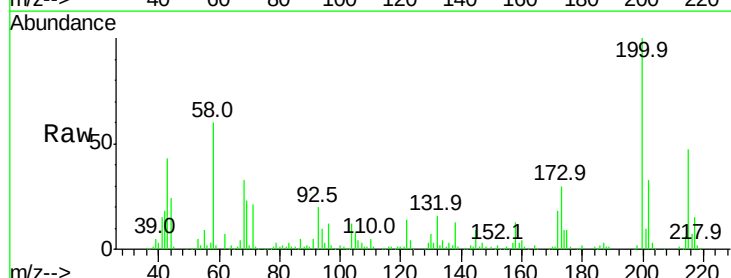
Tgt Ion:178 Resp: 497

Ion Ratio Lower Upper

178 100

176 251.2 16.0 24.0#

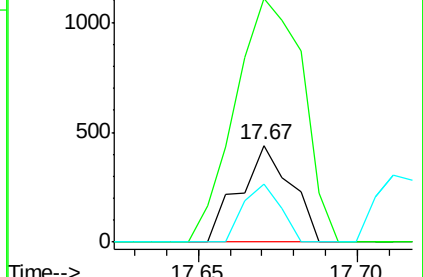
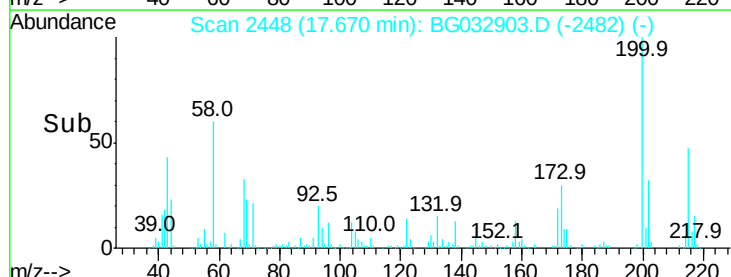
179 59.4 12.5 18.7#



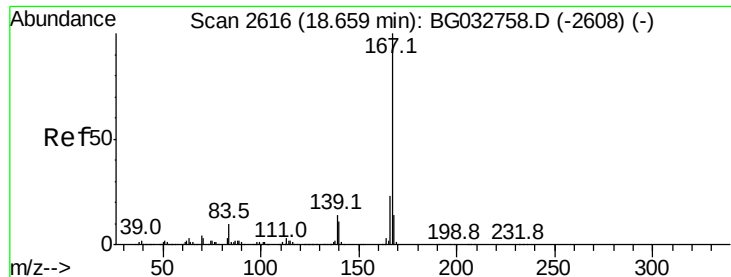
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#72

Carbazole

Concen: 1064.405 ng

RT: 17.90 min Scan# 2487

Delta R.T. -0.76 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

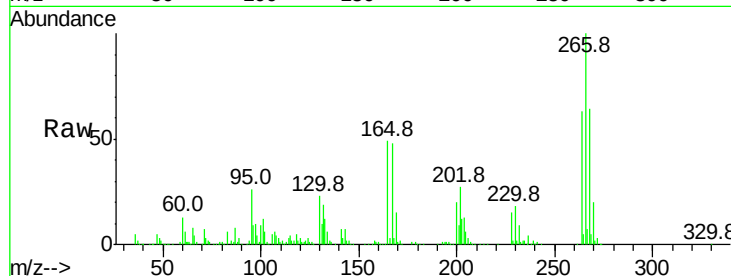
Tot Ion:167 Resp: 118819

Ion Ratio Lower Upper

167 100

166 7.2 18.2 27.4#

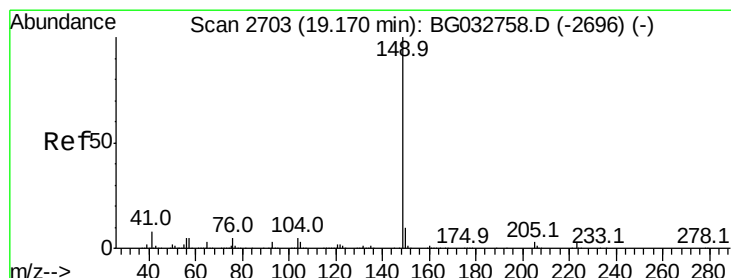
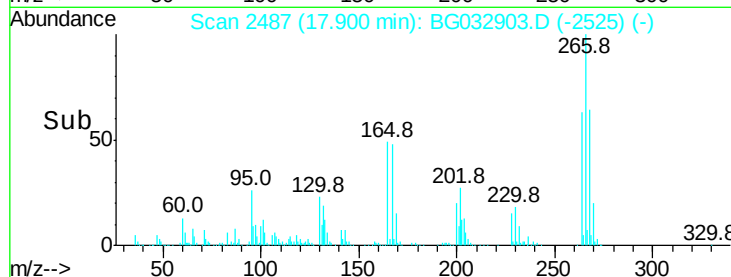
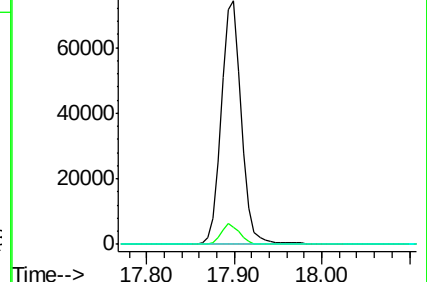
139 0.0 9.4 14.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 74.956 ng

RT: 18.39 min Scan# 2571

Delta R.T. -0.77 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

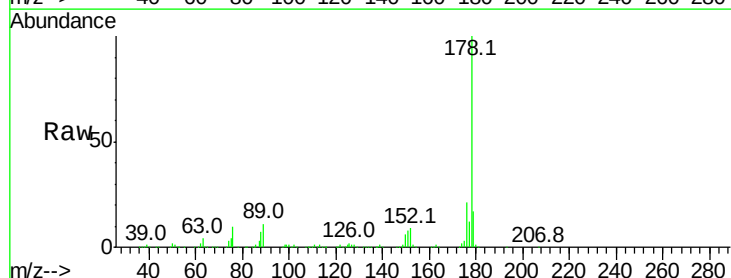
Tgt Ion:149 Resp: 10265

Ion Ratio Lower Upper

149 100

150 570.2 7.8 11.6#

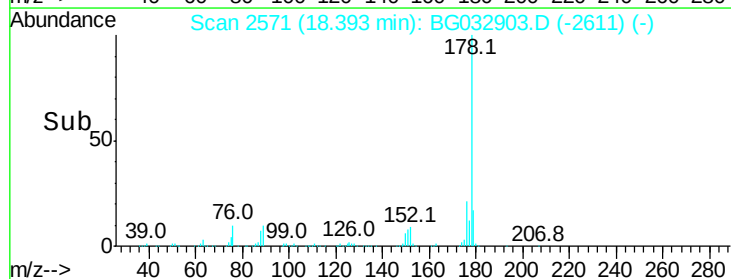
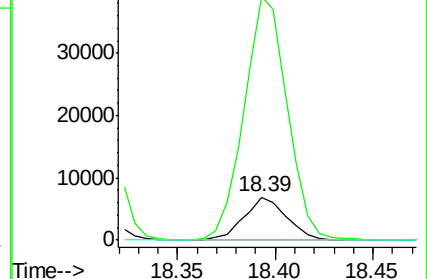
104 0.0 3.9 5.9#

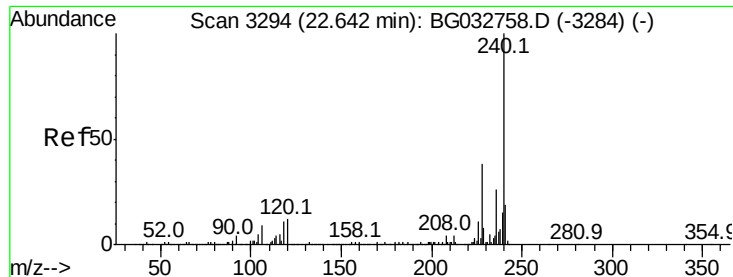


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3105

Delta R.T. -1.10 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

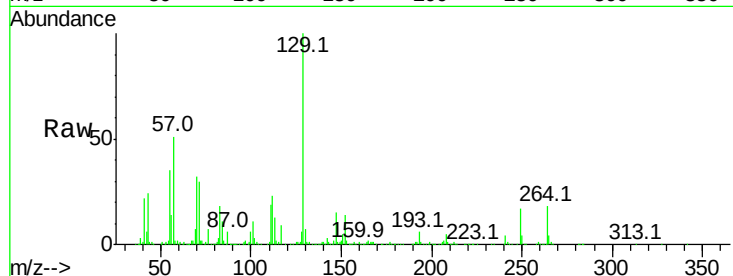
Tot Ion:240 Resp: 270

Ion Ratio Lower Upper

240 100

120 0.0 6.8 10.2#

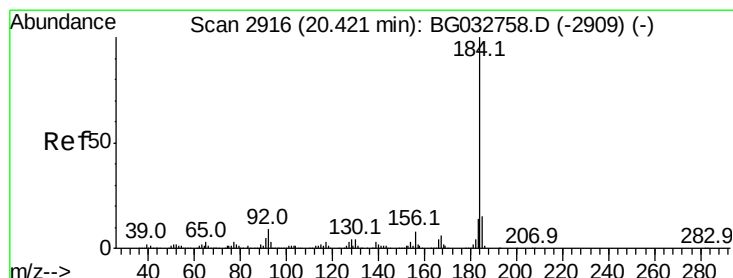
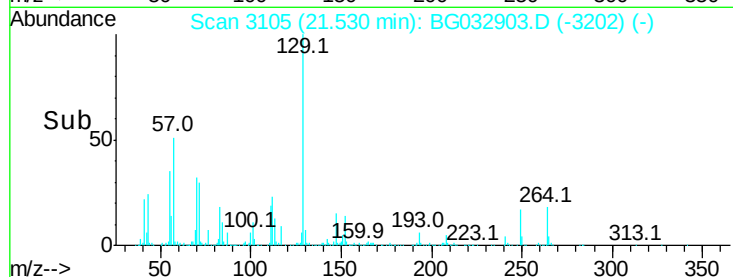
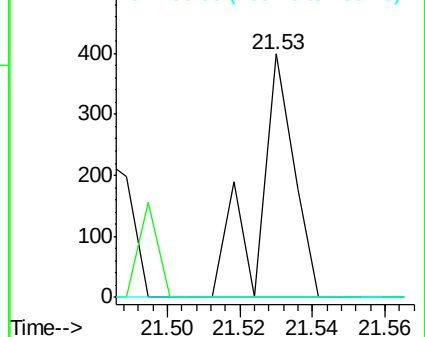
236 0.0 20.9 31.3#



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: 5.867 ng

RT: 19.54 min Scan# 2767

Delta R.T. -0.87 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

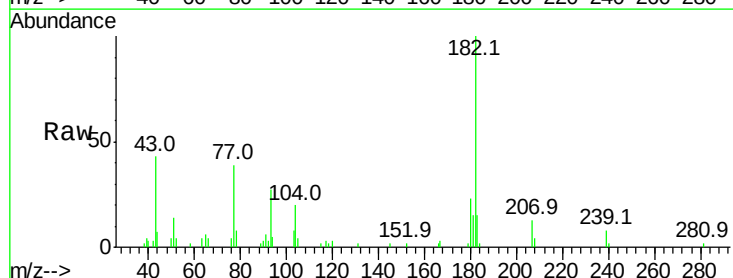
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

185 0.0 11.1 16.7#

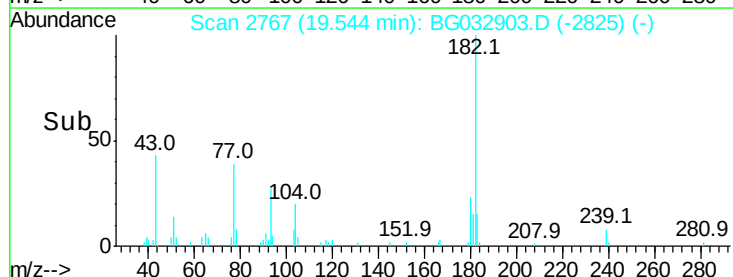
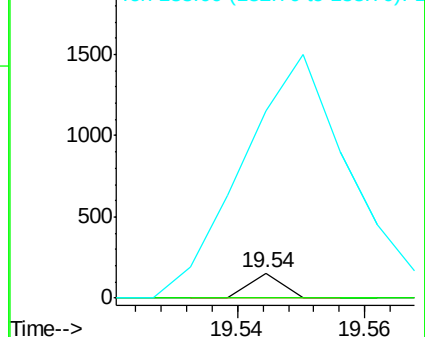
183 752.9 10.6 16.0#

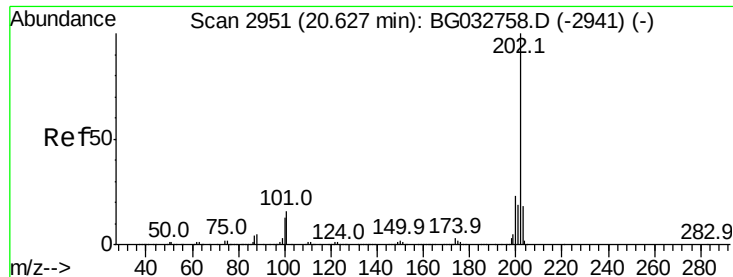


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 3.256 ng

RT: 19.70 min Scan# 2794

Delta R.T. -0.91 min

Lab File: BG032903.D

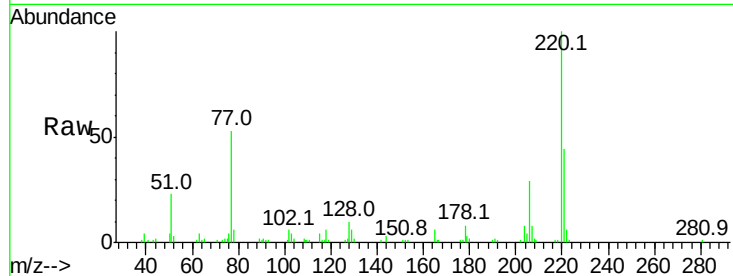
Acq: 1 Mar 2018 00:52

Instrument :

BNA\_G

ClientSampleId :

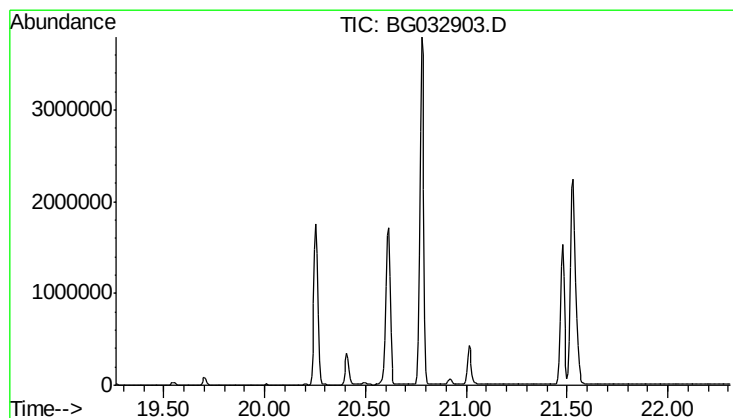
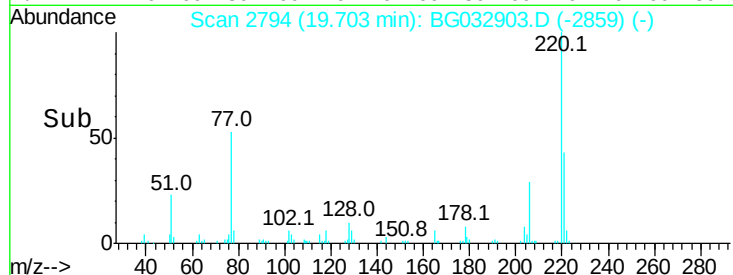
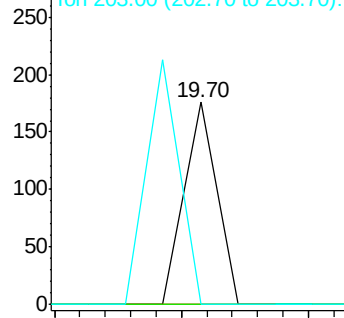
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 62    |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 0.0   | 16.9  | 25.3# |
| 203      | 0.0   | 13.9  | 20.9# |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 20.79 min

Lab File: BG032903.D

Acq: 1 Mar 2018 00:52

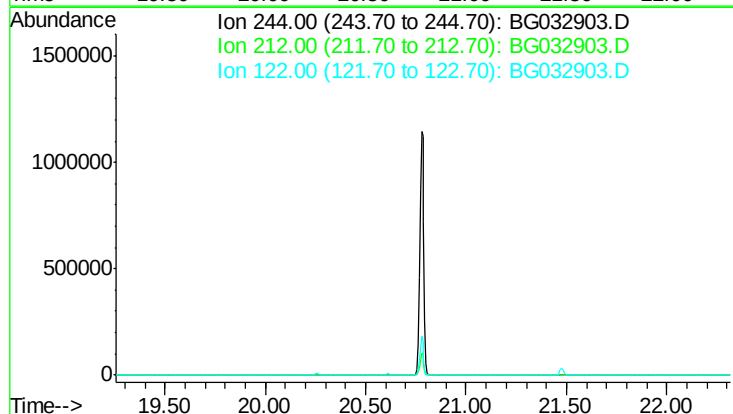
Tgt Ion: 244

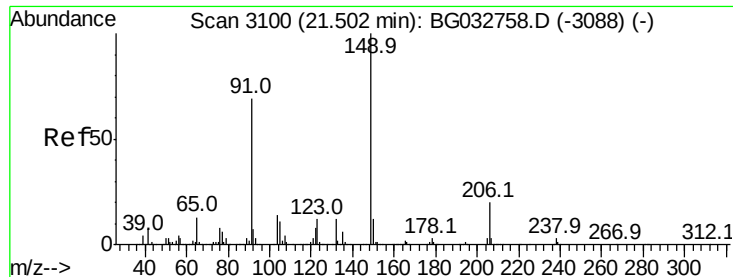
Sig Exp Ratio

244 100

212 7.3

122 8.7

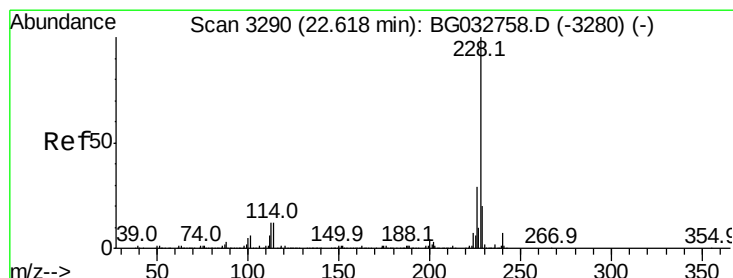
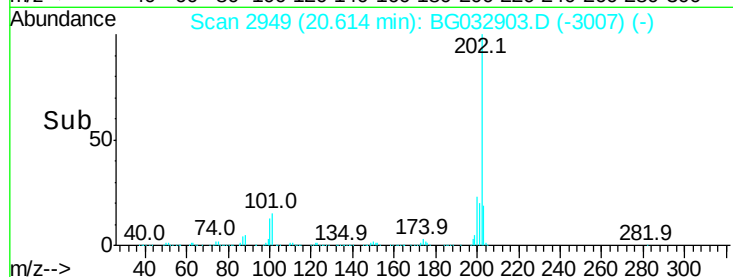
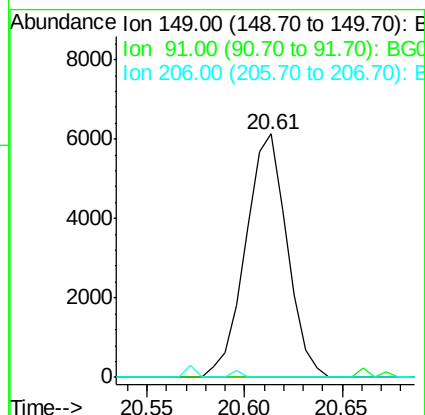
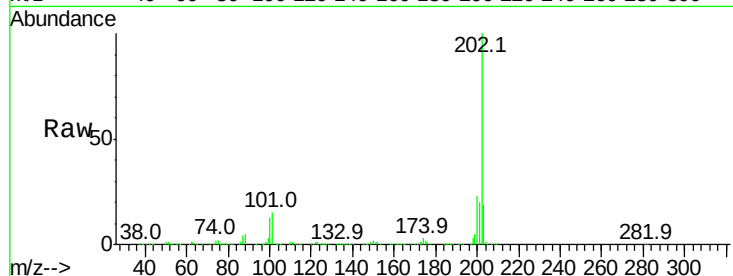




#79  
 Butylbenzylphthalate  
 Concen: 1066.936 ng  
 RT: 20.61 min Scan# 2949  
 Delta R.T. -0.87 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

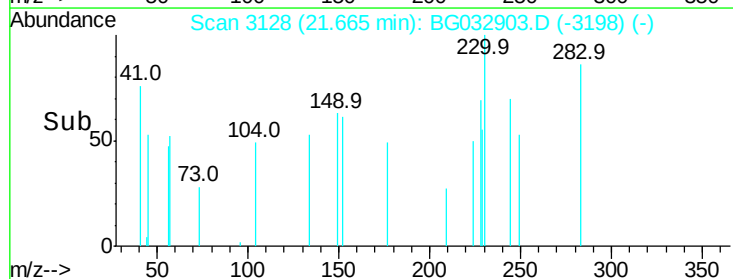
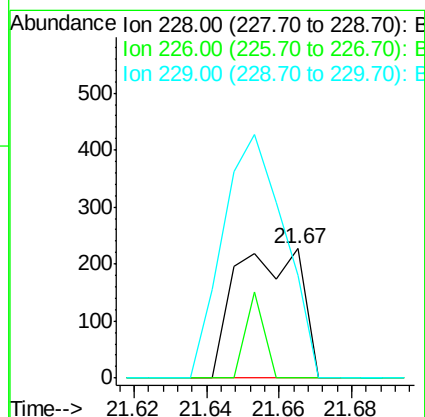
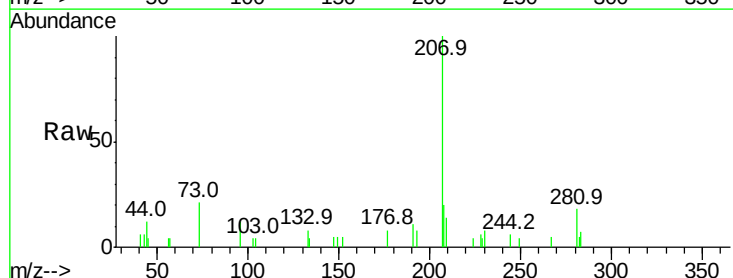
Instrument :  
 BNA\_G  
 ClientSampleId :

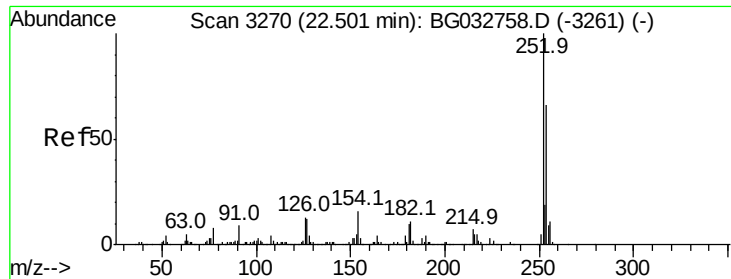
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 0.0   | 62.2  | 93.2# |
| 206     | 0.0   | 18.6  | 27.8# |



#80  
 Benzo(a)anthracene  
 Concen: 16.576 ng  
 RT: 21.67 min Scan# 3128  
 Delta R.T. -0.94 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 0.0   | 22.7  | 34.1# |
| 229     | 79.3  | 16.2  | 24.2# |

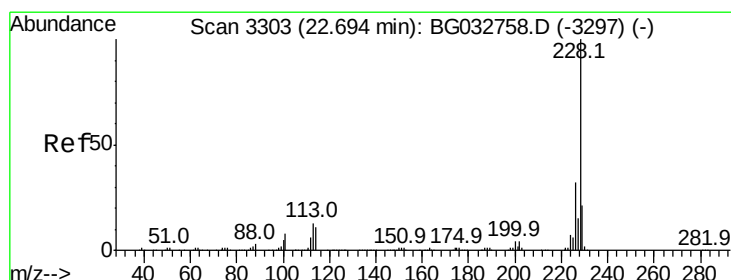
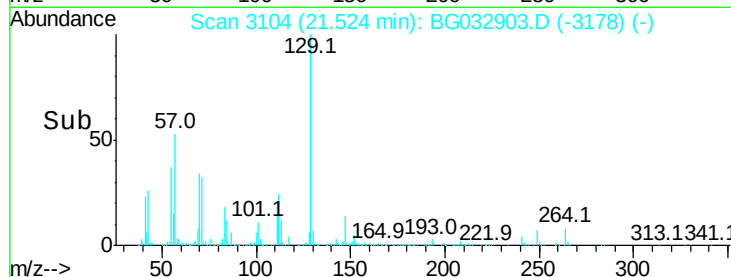
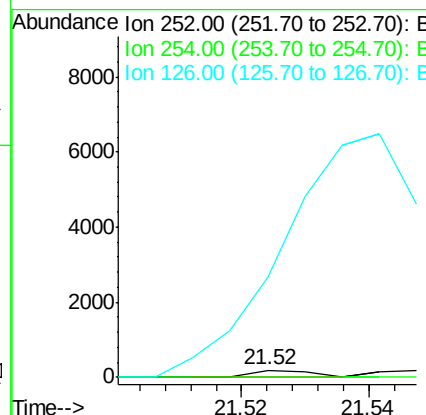
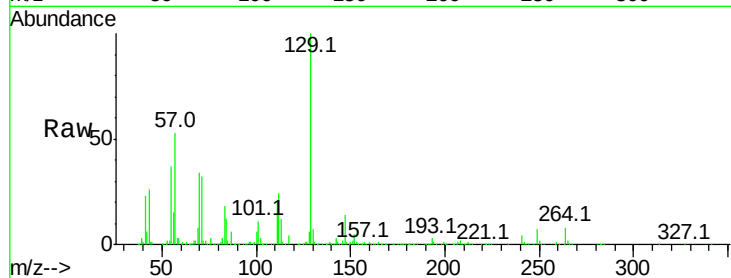




#81  
 3,3'-Dichlorobenzidine  
 Concen: 19.493 ng  
 RT: 21.52 min Scan# 3104  
 Delta R.T. -0.97 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

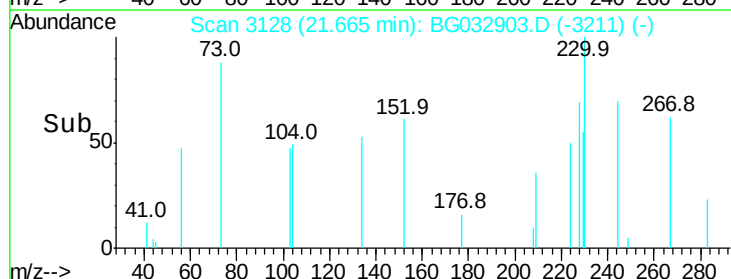
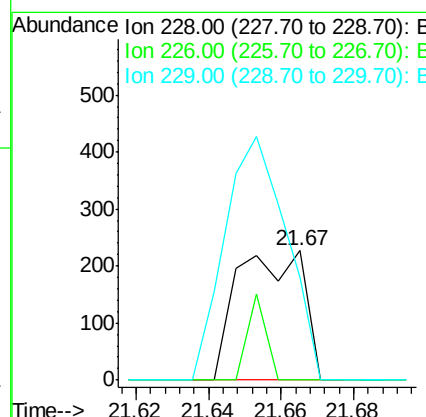
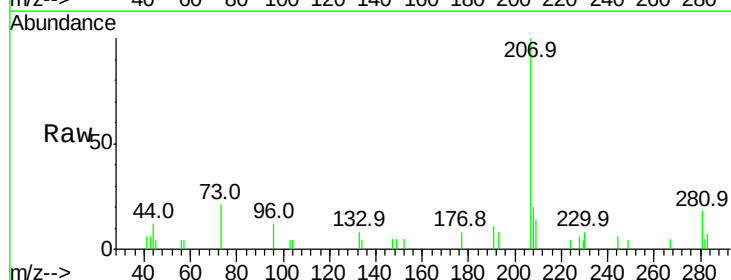
Instrument :  
 BNA\_G  
 ClientSampleId :

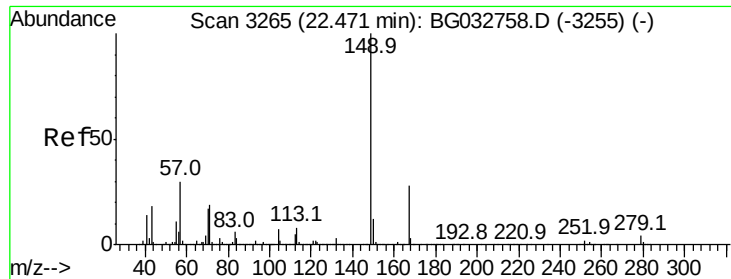
Tot Ion:252 Resp: 125  
 Ion Ratio Lower Upper  
 252 100  
 254 0.0 50.8 76.2#  
 126 1340.4 7.4 11.2#



#82  
 Chrysene  
 Concen: 17.353 ng  
 RT: 21.67 min Scan# 3128  
 Delta R.T. -1.02 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

Tgt Ion:228 Resp: 287  
 Ion Ratio Lower Upper  
 228 100  
 226 0.0 24.9 37.3#  
 229 79.3 15.0 22.4#

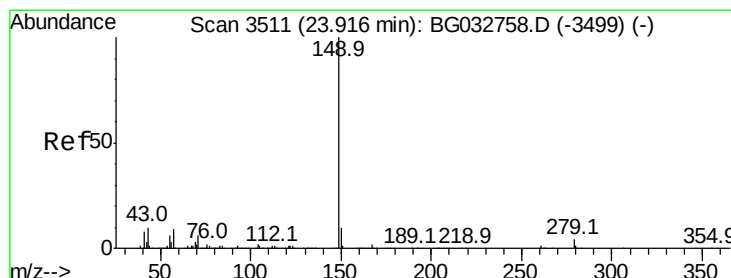
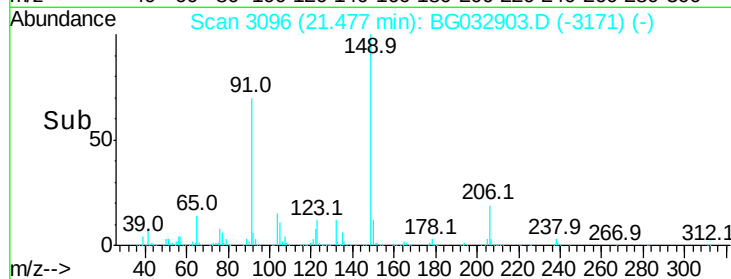
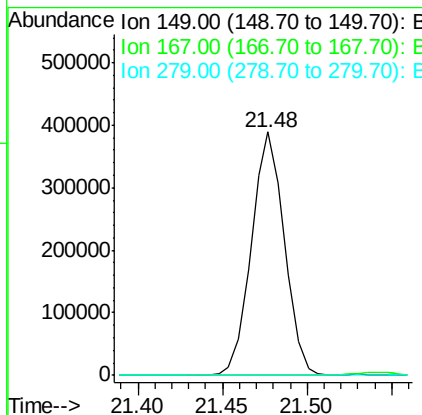
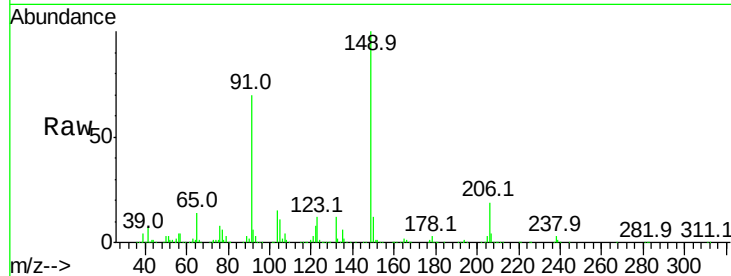




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41982.164 ng  
 RT: 21.48 min Scan# 3096  
 Delta R.T. -0.97 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

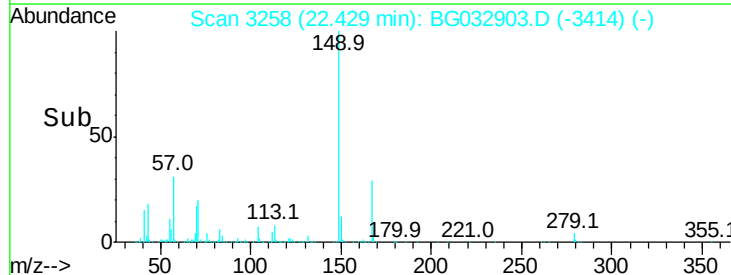
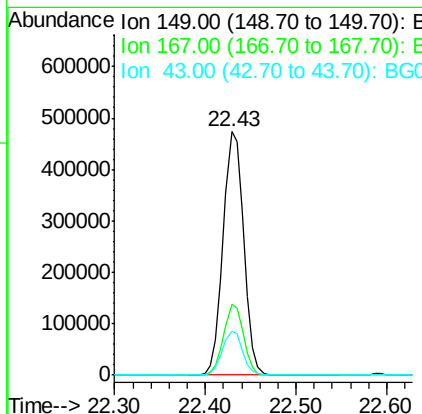
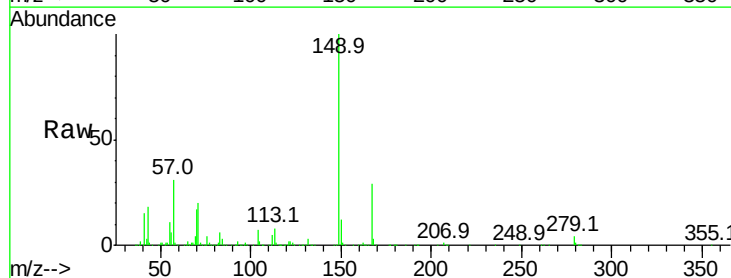
Instrument :  
 BNA\_G  
 ClientSampled :

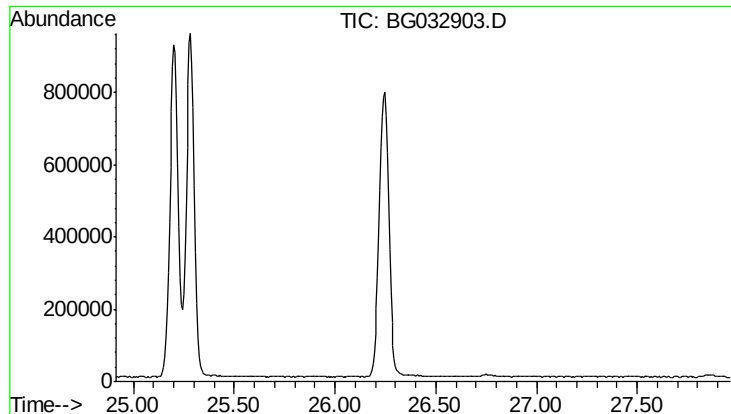
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 0.3   | 24.3  | 36.5# |
| 279     | 0.0   | 4.0   | 6.0#  |



#84  
 Di-n-octyl phthalate  
 Concen: 39140.631 ng  
 RT: 22.43 min Scan# 3258  
 Delta R.T. -1.45 min  
 Lab File: BG032903.D  
 Acq: 1 Mar 2018 00:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.2  | 1.4   | 2.0#  |
| 43      | 17.6  | 8.9   | 13.3# |





#86  
Pervlene-d12  
Concen: 0.000 ng  
Expected RT: 26.44 min  
  
Lab File: BG032903.D  
Acq: 1 Mar 2018 00:52

Instrument :  
BNA\_G  
ClientSampleId :

|               |
|---------------|
| Tot Ion: 264  |
| Sig Exp Ratio |
| 264 100       |
| 260 21.7      |
| 265 22.1      |

