

Data Path : U:\HPCHEM1\BNA G\DATA\BG011218\  
 Data File : BG032012.D  
 Acq On : 12 Jan 2018 21:16  
 Operator : SJ/JU  
 Sample : J1011-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 13 02:57:05 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 12 17:27:17 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.77  | 152  | 51663    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.65 | 136  | 209596   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.40 | 164  | 144635   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.13 | 188  | 394667   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.48 | 240  | 453376   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.21 | 264  | 474393   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.20  | 112 | 368355  | 130.40 | ng | 0.00 |
| 7) Phenol-d6             | 7.88  | 99  | 418719  | 117.70 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.97  | 82  | 285930  | 92.29  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.88 | 330 | 361947  | 151.23 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.03 | 172 | 1032162 | 88.49  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.67 | 244 | 1996425 | 97.23  | ng | 0.00 |

## Target Compounds

|                                |       |     |       |        |    | Qvalue |
|--------------------------------|-------|-----|-------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.93  | 88  | 61    | 0.056  | ng | # 60   |
| 4) n-Nitrosodimethylamine      | 4.21  | 42  | 81    | 0.080  | ng | # 1    |
| 6) Aniline                     | 8.29  | 93  | 334   | 0.074  | ng | # 1    |
| 9) Benzaldehyde                | 7.89  | 77  | 712   | 0.345  | ng | # 5    |
| 10) Phenol                     | 7.89  | 94  | 71    | 0.020  | ng | # 1    |
| 11) bis(2-Chloroethyl)ether    | 8.29  | 93  | 334   | 0.119  | ng | # 1    |
| 12) 1,3-Dichlorobenzene        | 9.10  | 146 | 82    | 0.020  | ng | # 1    |
| 13) 1,4-Dichlorobenzene        | 9.10  | 146 | 82    | 0.020  | ng | # 1    |
| 14) 1,2-Dichlorobenzene        | 9.10  | 146 | 82    | 0.020  | ng | # 1    |
| 15) Benzyl Alcohol             | 9.12  | 79  | 4343  | 1.680  | ng | # 47   |
| 16) 2,2'-oxybis(1-Chloropropan | 9.36  | 45  | 58    | 0.020  | ng | # 75   |
| 19) n-Nitroso-di-n-propylamine | 9.97  | 70  | 37902 | 17.171 | ng | # 68   |
| 22) Acetophenone               | 9.62  | 105 | 283   | 0.059  | ng | # 50   |
| 24) Nitrobenzene               | 9.97  | 77  | 1111  | 0.360  | ng | # 42   |
| 27) 2,4-Dimethylphenol         | 11.03 | 122 | 64    | 0.022  | ng | # 1    |
| 31) Naphthalene                | 11.71 | 128 | 42846 | 4.127  | ng | # 95   |
| 32) Benzoic acid               | 11.03 | 122 | 64    | 5.280  | ng | # 1    |
| 33) 4-Chloroaniline            | 11.71 | 127 | 6340  | 1.424  | ng | # 36   |
| 35) Caprolactam                | 12.17 | 113 | 53    | 0.049  | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 13.21 | 107 | 55    | 0.017  | ng | # 22   |
| 37) 2-Methylnaphthalene        | 13.27 | 142 | 1837  | 0.223  | ng | # 89   |
| 40) Hexachlorocyclopentadiene  | 13.96 | 237 | 62    | 0.017  | ng | # 22   |
| 45) 1,1'-Biphenyl              | 14.25 | 154 | 2714  | 0.219  | ng | # 84   |
| 46) 2-Chloronaphthalene        | 13.91 | 162 | 57    | 0.006  | ng | # 39   |
| 47) 2-Nitroaniline             | 14.04 | 65  | 1058  | 0.573  | ng | # 1    |
| 48) Acenaphthylene             | 15.14 | 152 | 851   | 0.058  | ng | # 59   |
| 50) 2,6-Dinitrotoluene         | 15.40 | 165 | 18670 | 7.107  | ng | # 21   |
| 51) Acenaphthene               | 15.47 | 154 | 114   | 0.012  | ng | # 71   |
| 54) Dibenzofuran               | 15.80 | 168 | 1693  | 0.117  | ng | # 83   |
| 55) 4-Nitrophenol              | 15.80 | 139 | 298   | 0.172  | ng | # 1    |
| 56) 2,4-Dinitrotoluene         | 15.40 | 165 | 18670 | 5.279  | ng | # 19   |
| 57) Fluorene                   | 16.44 | 166 | 1221  | 0.103  | ng | # 72   |
| 59) Diethylphthalate           | 16.18 | 149 | 1522  | 0.124  | ng | # 84   |
| 60) 4-Chlorophenyl-phenylether | 16.64 | 204 | 68    | 0.009  | ng | # 30   |

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 ClientSampleId :

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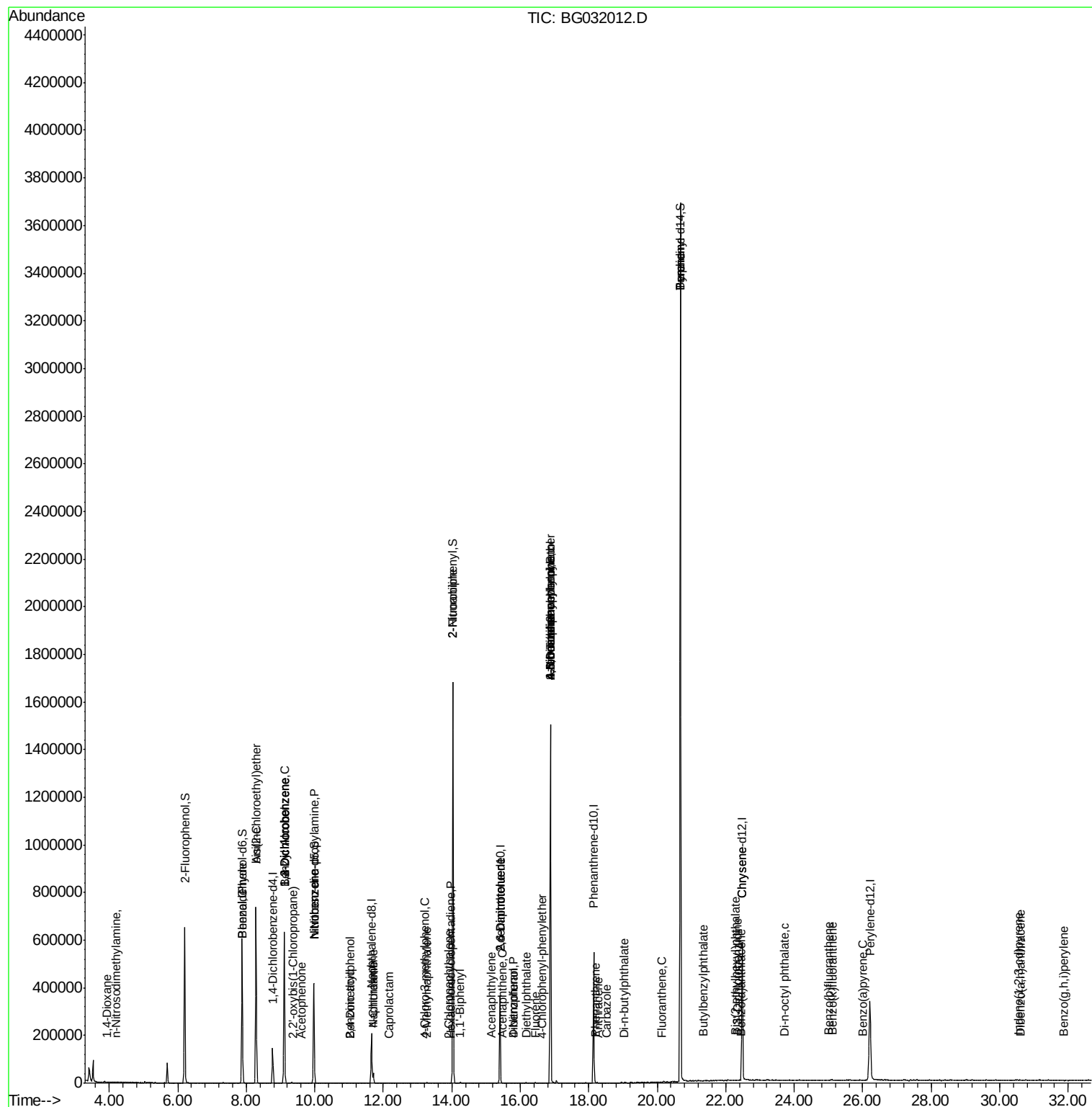
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 61) 4-Nitroaniline             | 16.88 | 138  | 73       | 0.032 | nq    | # 1      |
| 62) Azobenzene                 | 16.87 | 77   | 1027     | 0.134 | nq    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 16.88 | 198  | 747      | 5.150 | nq    | # 1      |
| 65) n-Nitrosodiphenylamine     | 16.88 | 169  | 10434    | 0.871 | nq    | # 48     |
| 66) 4-Bromophenyl-phenylether  | 16.88 | 248  | 28105    | 5.005 | nq    | # 1      |
| 70) Phenanthrene               | 18.18 | 178  | 2571     | 0.117 | nq    | # 87     |
| 71) Anthracene                 | 18.26 | 178  | 214      | 0.010 | nq    | # 59     |
| 72) Carbazole                  | 18.52 | 167  | 364      | 0.019 | nq    | # 59     |
| 73) Di-n-butylphthalate        | 19.04 | 149  | 1512     | 0.067 | nq    | # 73     |
| 74) Fluoranthene               | 20.14 | 202  | 553      | 0.020 | nq    | # 65     |
| 76) Benzidine                  | 20.67 | 184  | 26747    | 2.359 | nq    | # 90     |
| 77) Pyrene                     | 20.67 | 202  | 6968     | 0.244 | nq    | # 77     |
| 79) Butylbenzylphthalate       | 21.36 | 149  | 126      | 0.012 | nq    | # 20     |
| 80) Benzo(a)anthracene         | 22.43 | 228  | 61       | 0.002 | nq    | # 50     |
| 81) 3,3'-Dichlorobenzidine     | 22.35 | 252  | 147      | 0.014 | nq    | # 26     |
| 82) Chrysene                   | 22.48 | 228  | 1311     | 0.048 | nq    | # 54     |
| 83) Bis(2-ethylhexyl)phthalate | 22.29 | 149  | 447      | 0.030 | nq    | # 50     |
| 84) Di-n-octyl phthalate       | 23.71 | 149  | 148      | 0.006 | nq    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 30.54 | 276  | 64       | 0.002 | nq    | # 53     |
| 87) Benzo(b)fluoranthene       | 25.02 | 252  | 78       | 0.003 | nq    | # 59     |
| 88) Benzo(k)fluoranthene       | 25.10 | 252  | 399      | 0.014 | nq    | # 60     |
| 89) Benzo(a)pyrene             | 26.01 | 252  | 189      | 0.007 | nq    | # 59     |
| 90) Dibenzo(a,h)anthracene     | 30.60 | 278  | 196      | 0.007 | nq    | # 58     |
| 91) Benzo(g,h,i)perylene       | 31.88 | 276  | 74       | 0.003 | nq    | # 56     |
| -----                          |       |      |          |       |       |          |

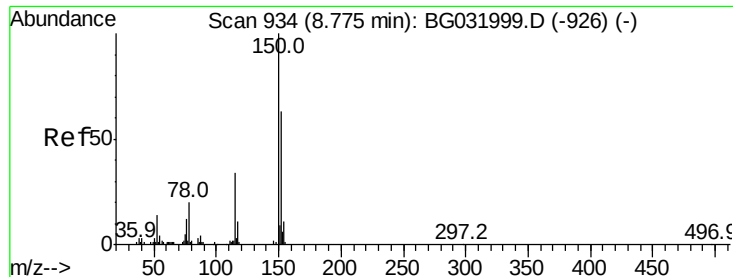
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

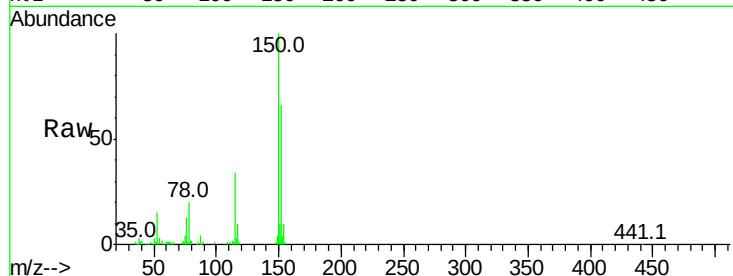
Tot Ion:152 Resp: 51663

Ion Ratio Lower Upper

152 100

150 151.9 126.6 189.8

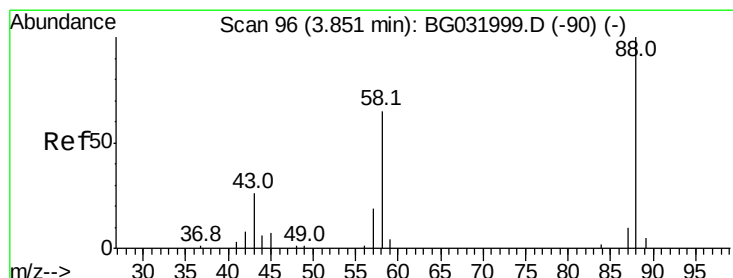
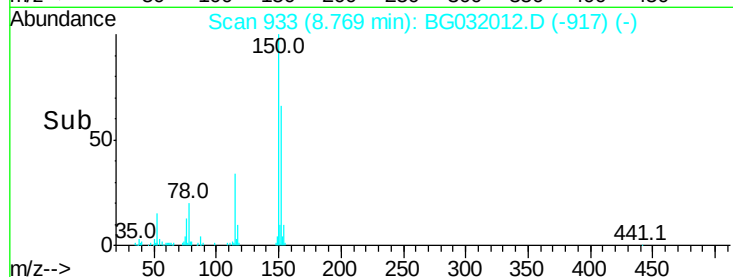
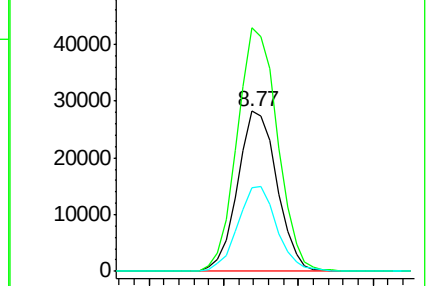
115 52.0 53.0 79.4#



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: 0.056 ng

RT: 3.93 min Scan# 109

Delta R.T. 0.08 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

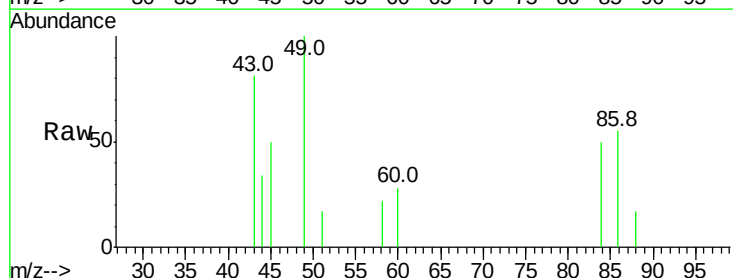
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

58 132.8 79.6 119.4#

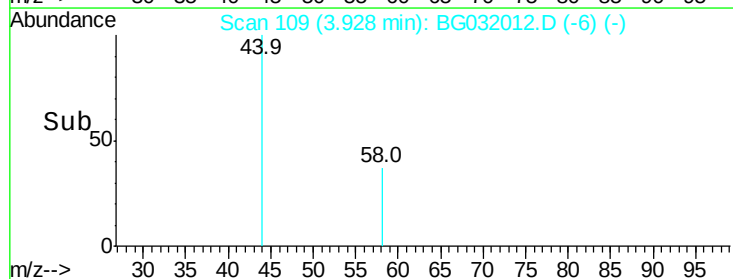
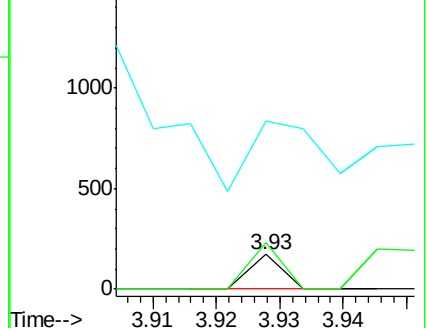
43 0.0 27.4 41.0#

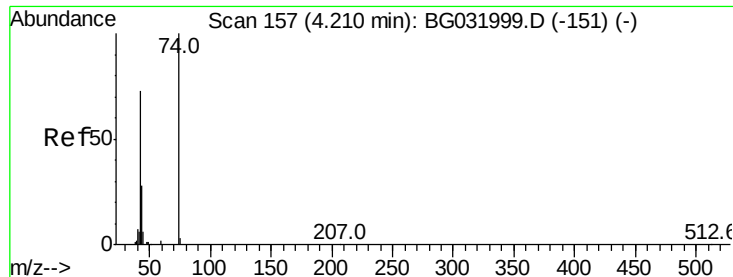


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



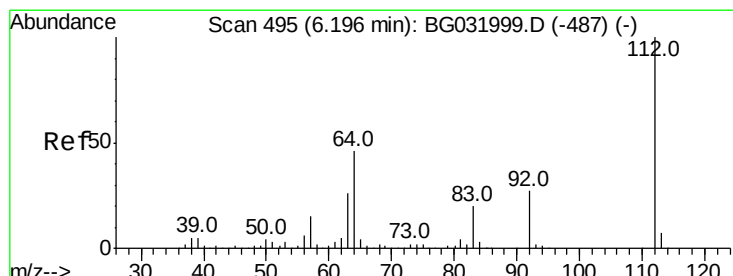
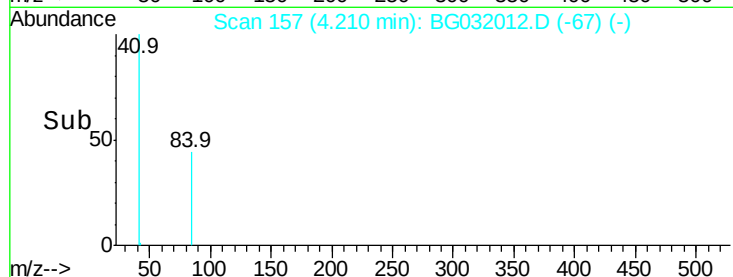
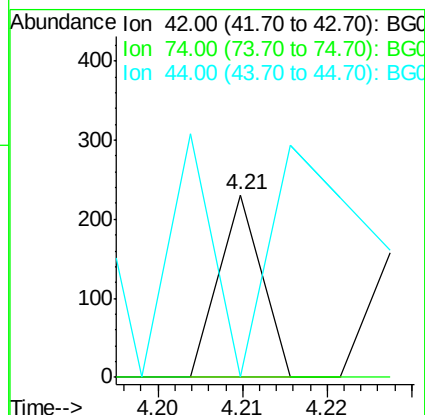
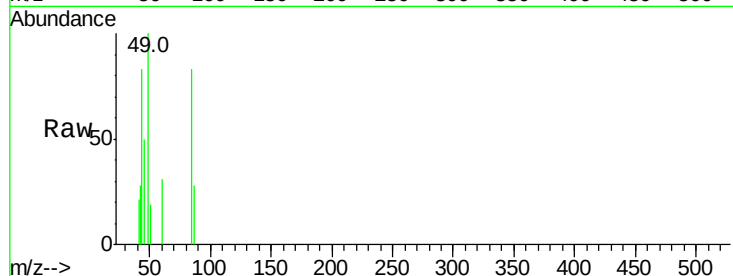


#4

n-Nitrosodimethylamine  
 Concen: 0.080 ng  
 RT: 4.21 min Scan# 157  
 Delta R.T. 0.00 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :

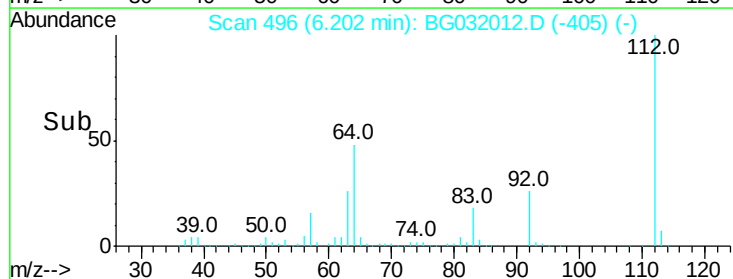
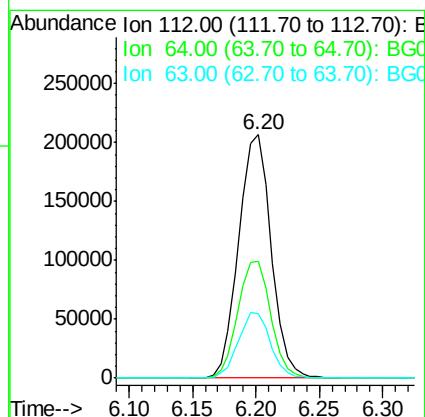
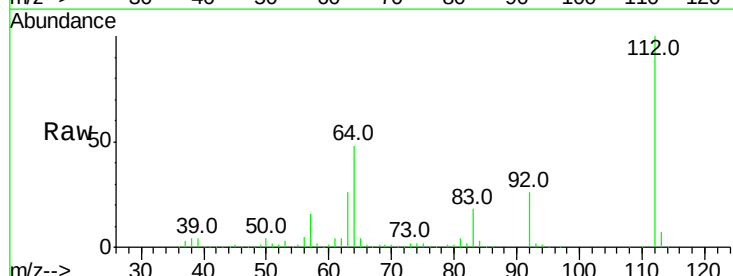
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 42      | 100   |       |        |
| 74      | 0.0   | 102.5 | 153.7# |
| 44      | 0.0   | 18.9  | 28.3#  |

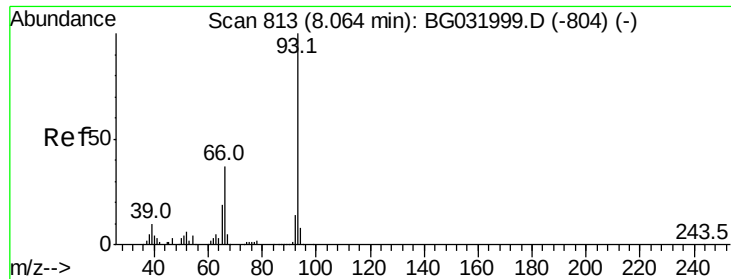


#5

2-Fluorophenol  
 Concen: 130.402 ng  
 RT: 6.20 min Scan# 496  
 Delta R.T. 0.01 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.8  | 56.3  | 84.5# |
| 63      | 26.4  | 30.1  | 45.1# |





#6

Aniline

Concen: 0.074 ng

RT: 8.29 min Scan# 852

Delta R.T. 0.23 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

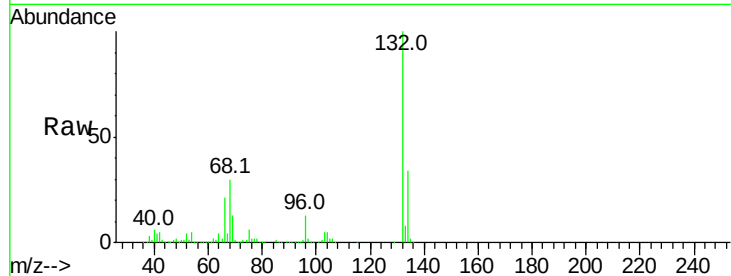
Tot Ion: 93 Resp: 334

Ion Ratio Lower Upper

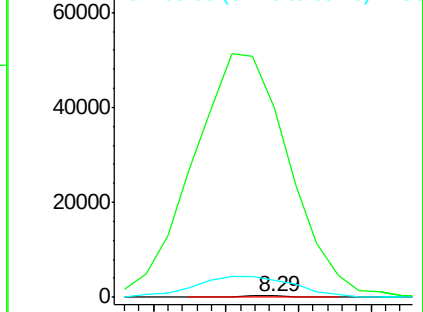
93 100

66 13548.5 33.7 50.5#

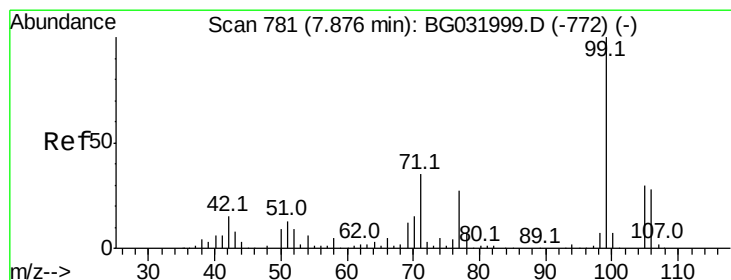
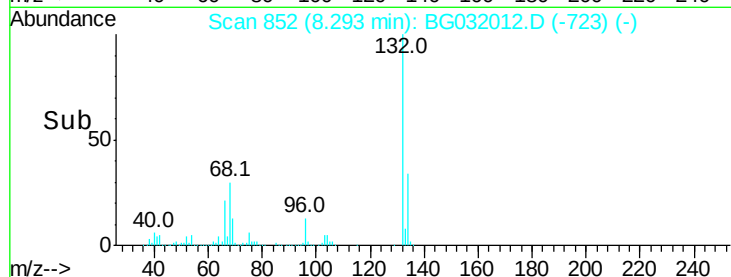
65 1208.8 16.1 24.1#



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



Time-->



#7

Phenol-d6

Concen: 117.697 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

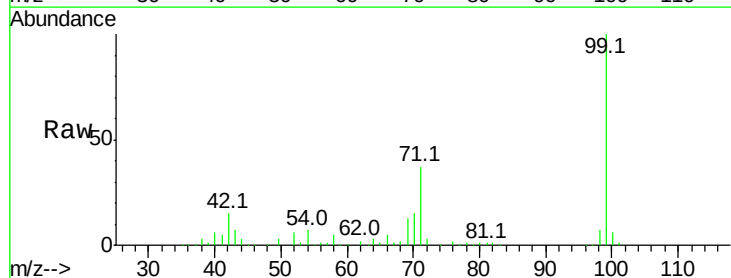
Tgt Ion: 99 Resp: 418719

Ion Ratio Lower Upper

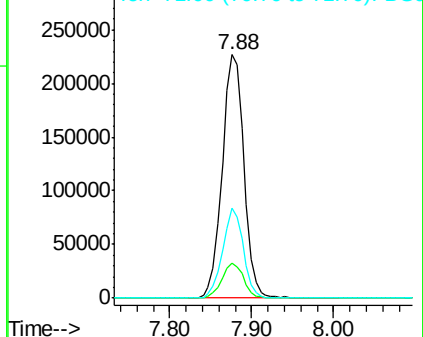
99 100

42 14.6 14.1 21.1

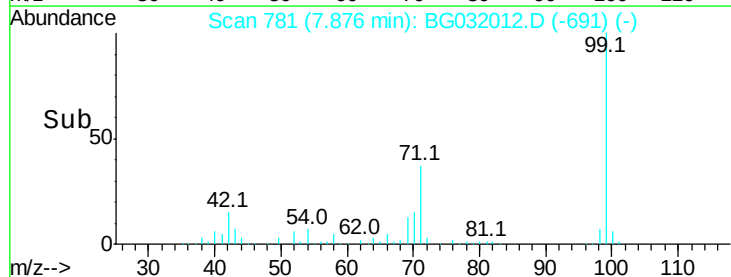
71 36.9 26.1 39.1

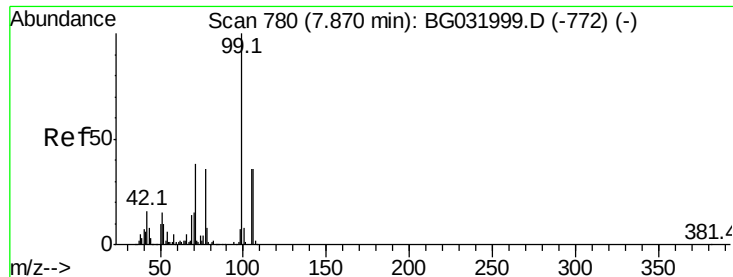


Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



Time-->





#9

Benzaldehyde

Concen: 0.345 ng

RT: 7.89 min Scan# 784

Delta R.T. 0.02 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

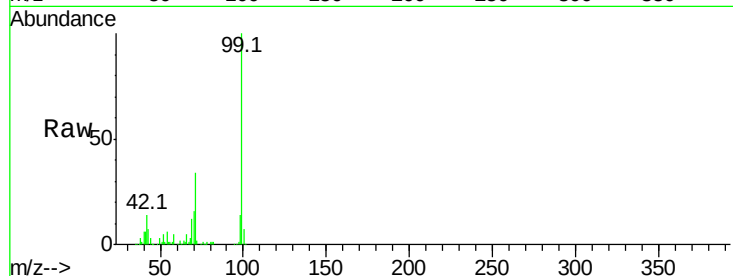
Tot Ion: 77 Resp: 712

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

106 0.0 64.2 104.2#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

7.89

400

300

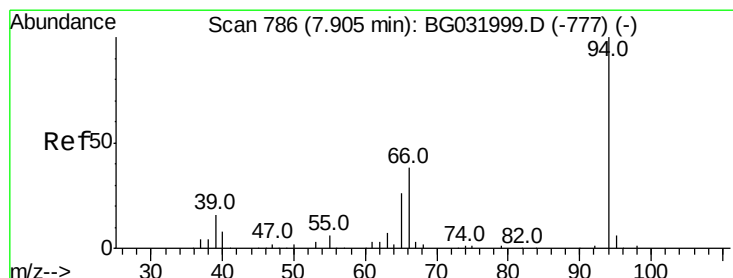
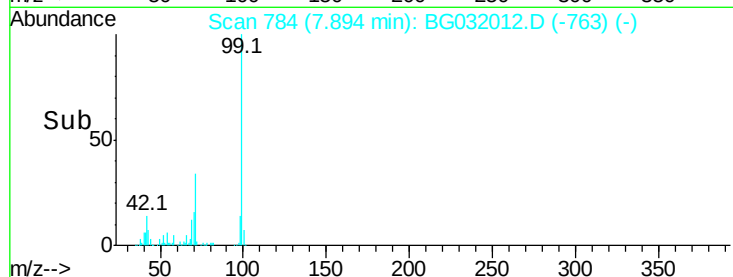
200

100

0

7.84 7.86 7.88 7.90 7.92

Time-->



#10

Phenol

Concen: 0.020 ng

RT: 7.89 min Scan# 784

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

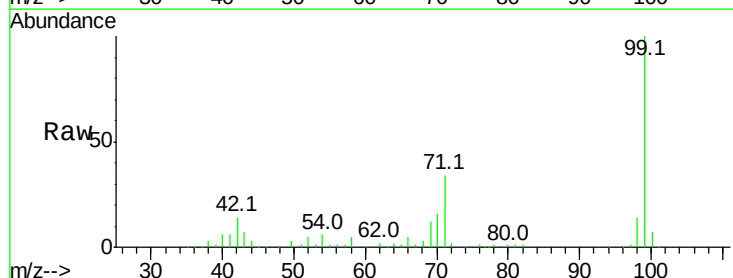
Tgt Ion: 94 Resp: 71

Ion Ratio Lower Upper

94 100

65 487.1 11.9 51.9#

66 1994.1 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

15000

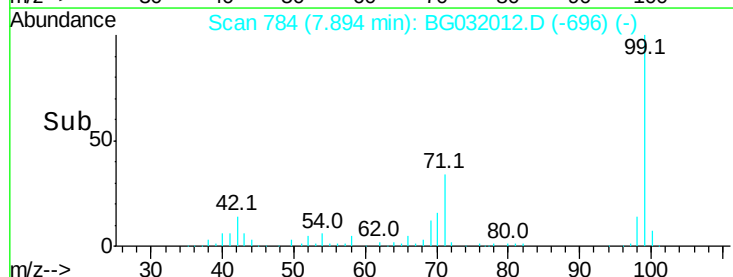
10000

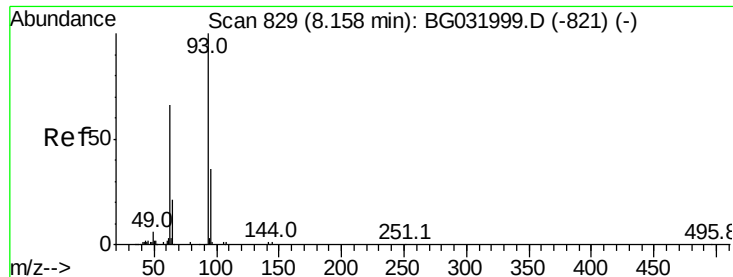
5000

0

7.88 7.89 7.90 7.91

Time-->





#11

bis(2-Chloroethyl)ether

Concen: 0.119 ng

RT: 8.29 min Scan# 852

Delta R.T. 0.14 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

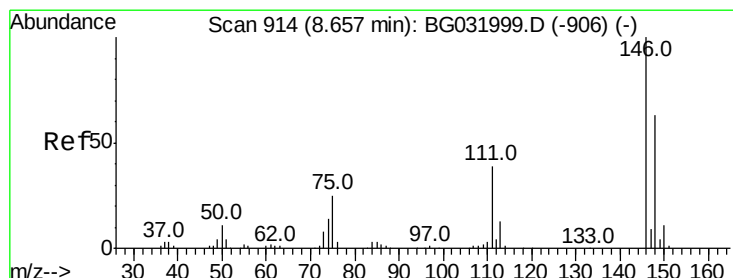
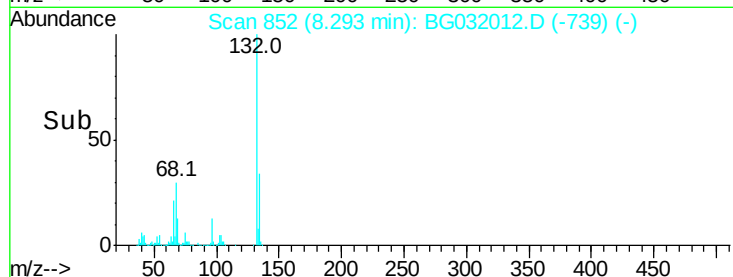
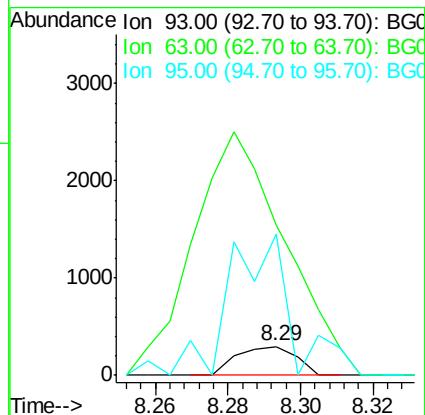
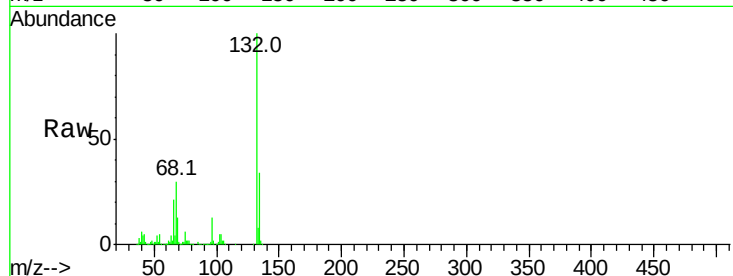
Tot Ion: 93 Resp: 334

Ion Ratio Lower Upper

93 100

63 524.4 67.1 107.1#

95 492.2 11.5 51.5#



#12

1,3-Dichlorobenzene

Concen: 0.020 ng

RT: 9.10 min Scan# 990

Delta R.T. 0.45 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

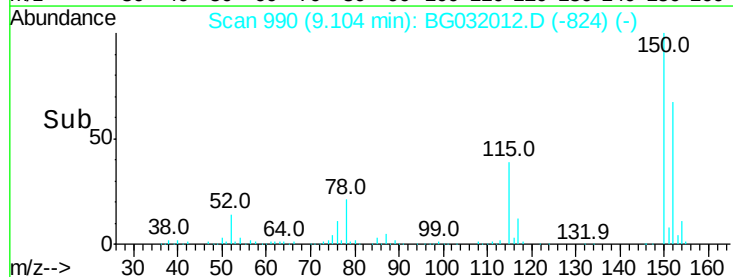
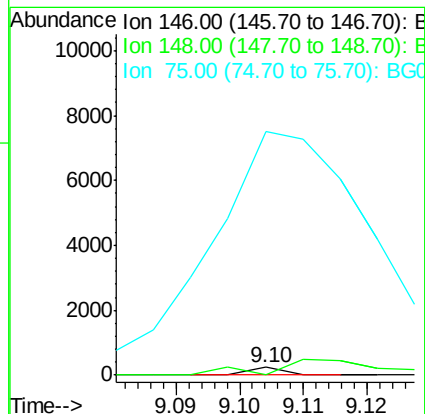
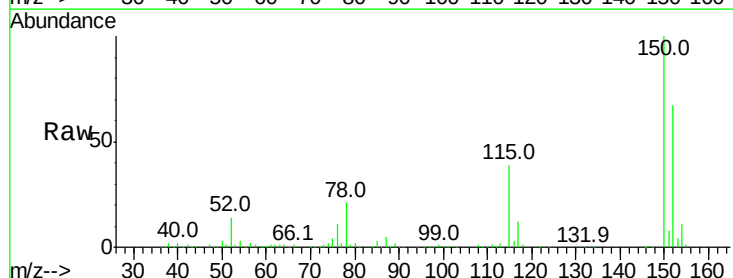
Tgt Ion: 146 Resp: 82

Ion Ratio Lower Upper

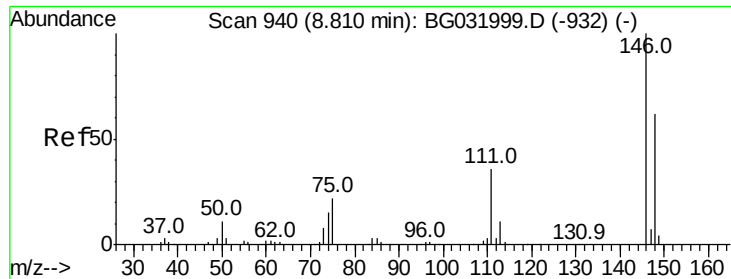
146 100

148 0.0 51.4 77.2#

75 3208.1 26.6 39.8#



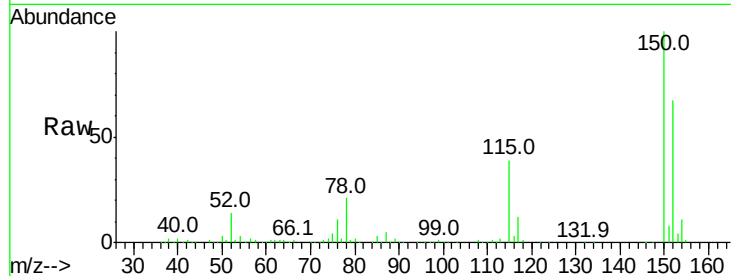




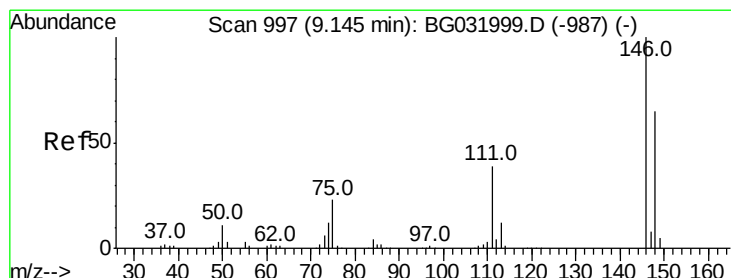
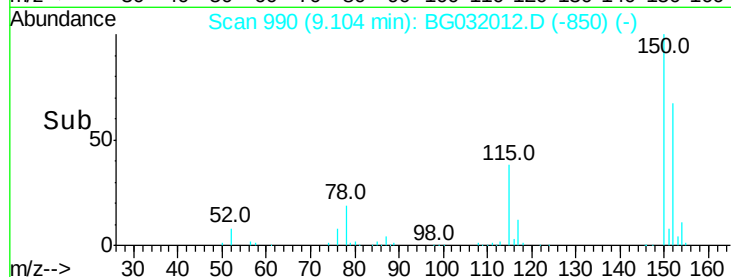
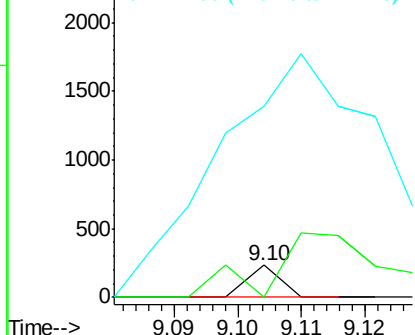
#13  
 1,4-Dichlorobenzene  
 Concen: 0.020 ng  
 RT: 9.10 min Scan# 990  
 Delta R.T. 0.29 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:146 Resp: 82  
 Ion Ratio Lower Upper  
 146 100  
 148 0.0 53.7 80.5#  
 111 593.6 35.2 52.8#

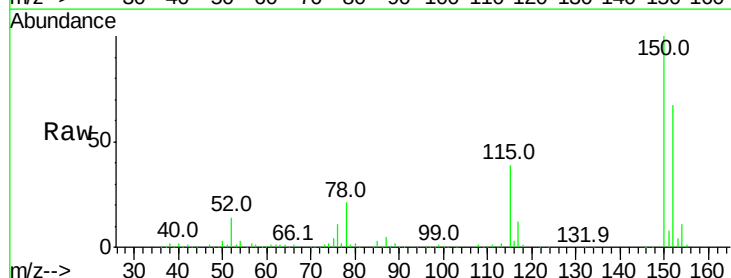


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

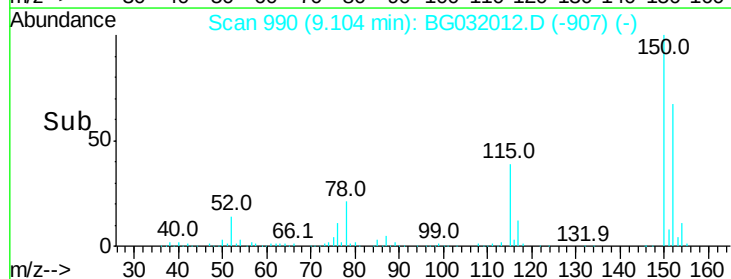
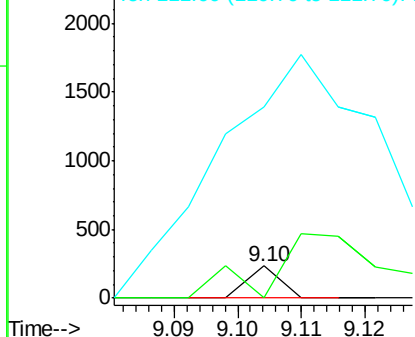


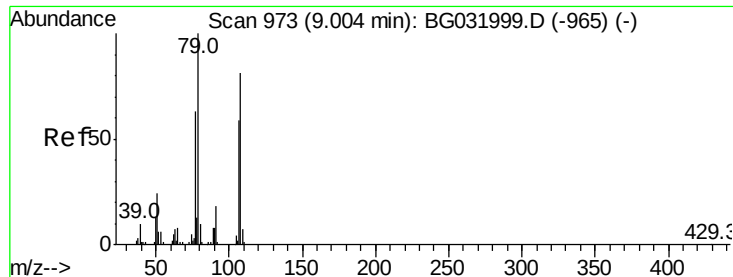
#14  
 1,2-Dichlorobenzene  
 Concen: 0.020 ng  
 RT: 9.10 min Scan# 990  
 Delta R.T. -0.04 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion:146 Resp: 82  
 Ion Ratio Lower Upper  
 146 100  
 148 0.0 49.3 73.9#  
 111 593.6 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: 1.680 ng

RT: 9.12 min Scan# 992

Delta R.T. 0.11 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

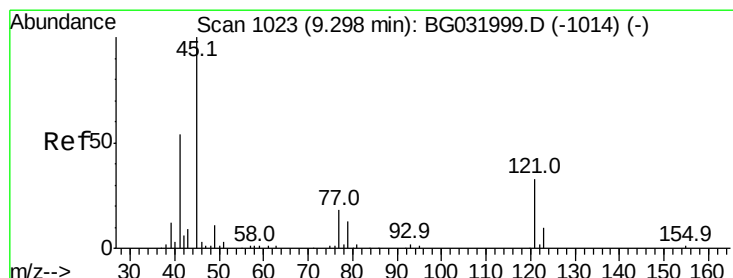
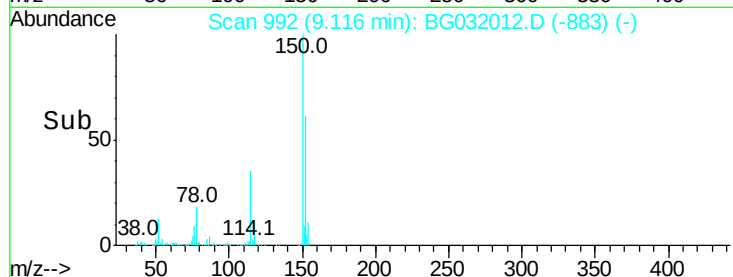
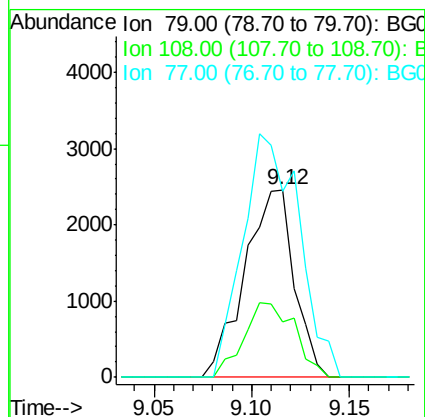
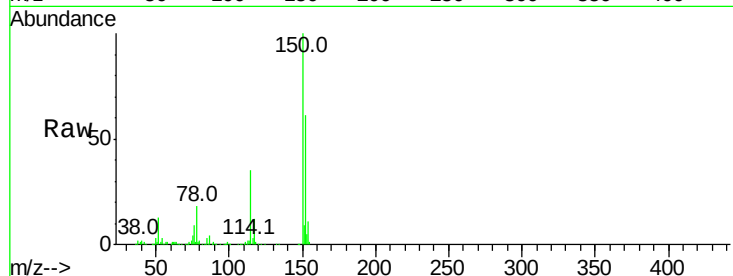
Tot Ion: 79 Resp: 4343

Ion Ratio Lower Upper

79 100

108 29.7 57.2 85.8#

77 99.3 46.1 69.1#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.020 ng

RT: 9.36 min Scan# 1034

Delta R.T. 0.06 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

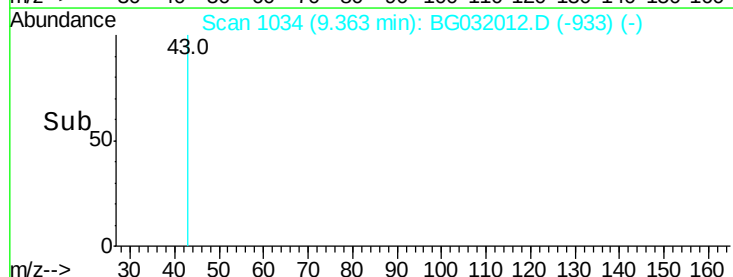
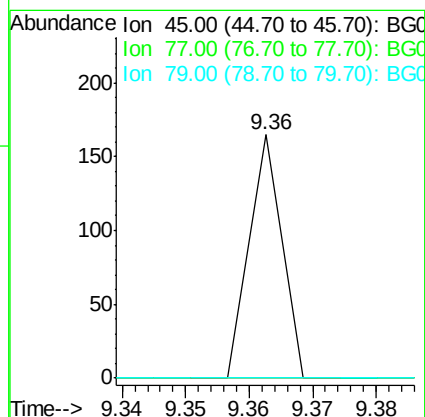
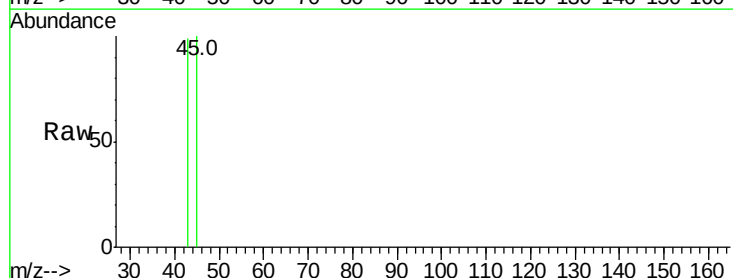
Tgt Ion: 45 Resp: 58

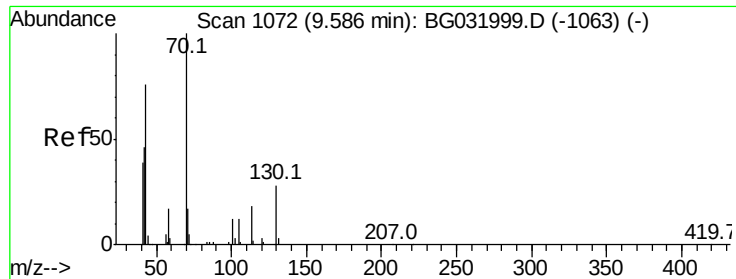
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.2

79 0.0 0.0 27.9

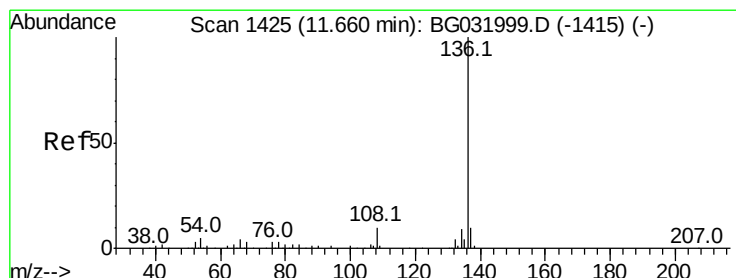
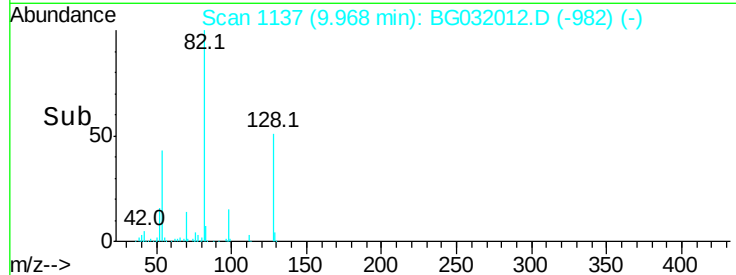
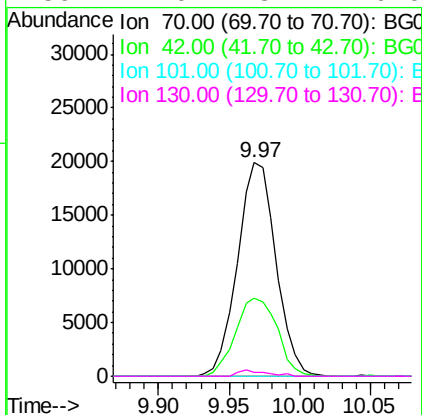
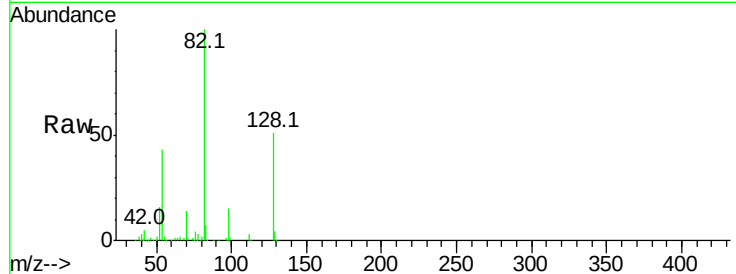




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.171 ng  
RT: 9.97 min Scan# 1137  
Delta R.T. 0.38 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

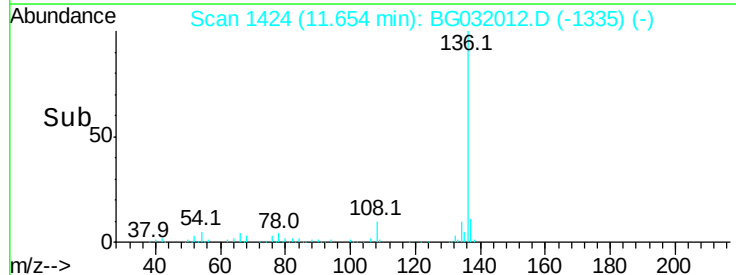
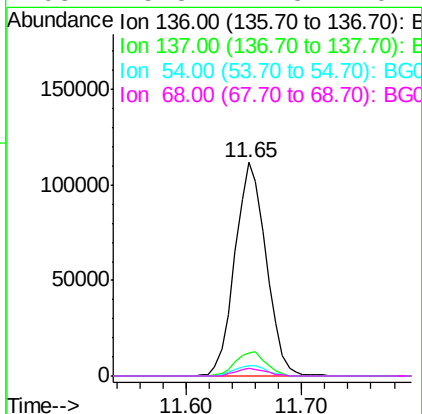
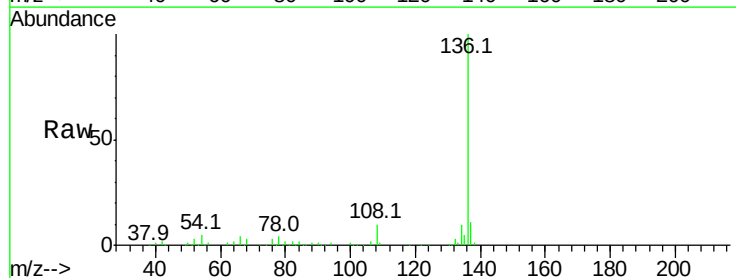
Instrument :  
BNA\_G  
ClientSampleId :

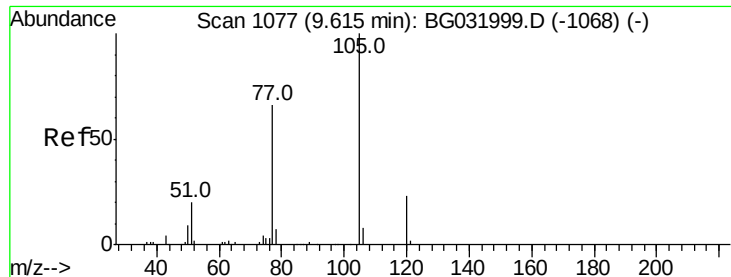
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 37902 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 36.8  | 49.1  | 73.7# |
| 101      | 0.0   | 8.5   | 12.7# |
| 130      | 2.0   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.65 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 209596 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.2   | 13.8   |
| 54       | 5.0   | 10.3  | 15.5#  |
| 68       | 3.3   | 4.5   | 6.7#   |





#22

Acetophenone

Concen: 0.059 ng

RT: 9.62 min Scan# 1077

Delta R.T. 0.00 min

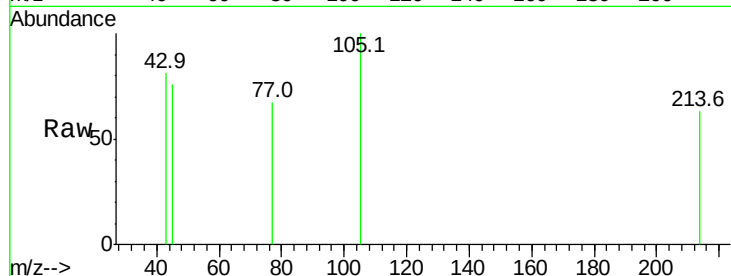
Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :



Tot Ion:105 Resp: 283

Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 0.0 26.1 39.1#

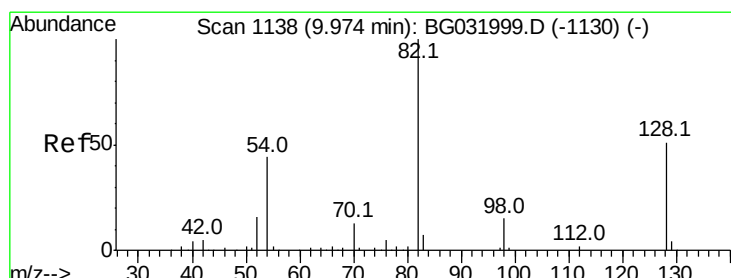
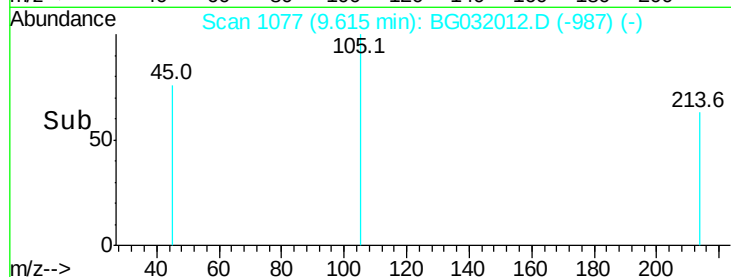
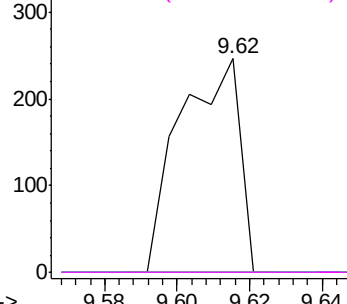
120 0.0 17.4 26.2#

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: 92.294 ng

RT: 9.97 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Tgt Ion: 82 Resp: 285930

Ion Ratio Lower Upper

82 100

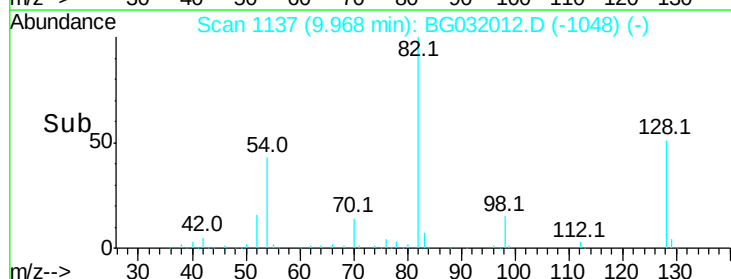
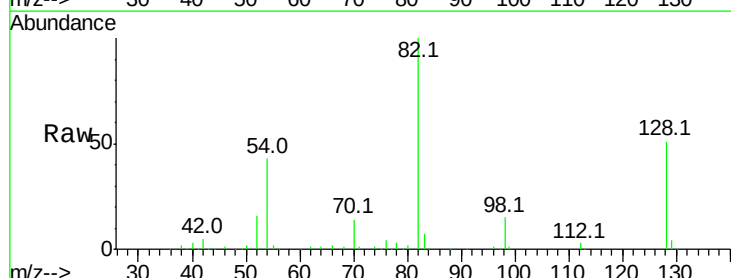
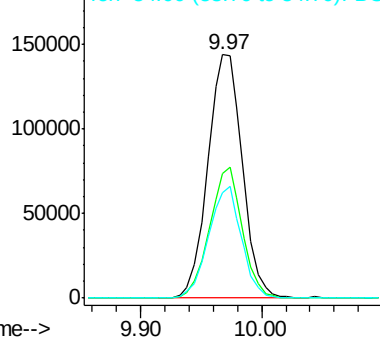
128 51.2 29.7 44.5#

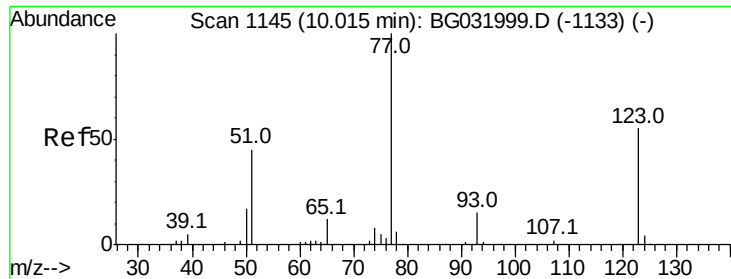
54 43.2 43.1 64.7

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

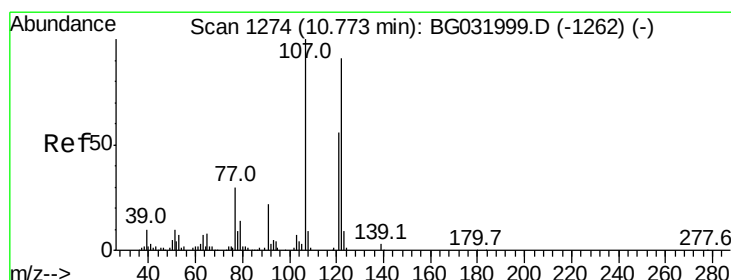
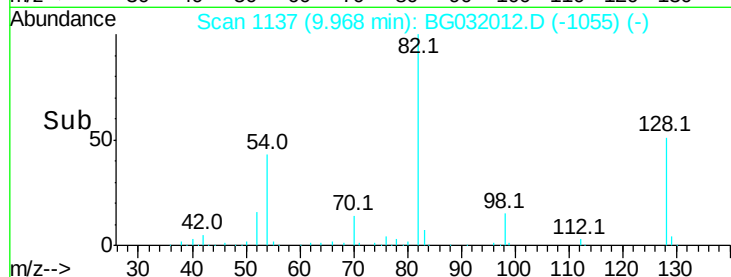
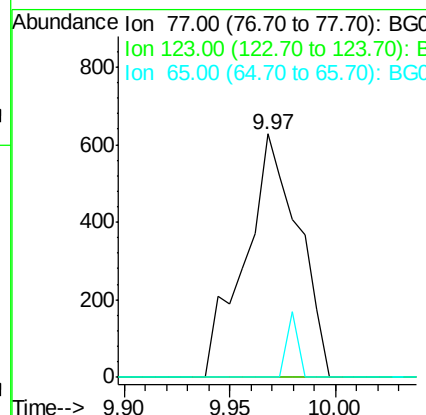
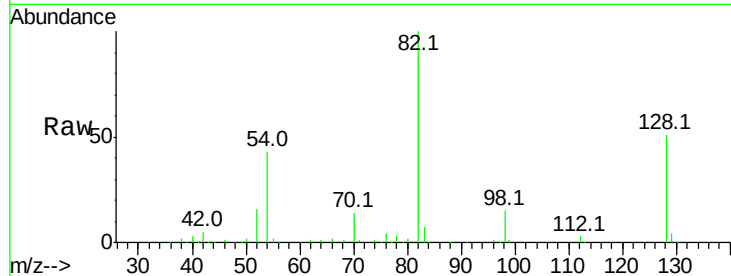




#24  
 Nitrobenzene  
 Concen: 0.360 ng  
 RT: 9.97 min Scan# 1137  
 Delta R.T. -0.05 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

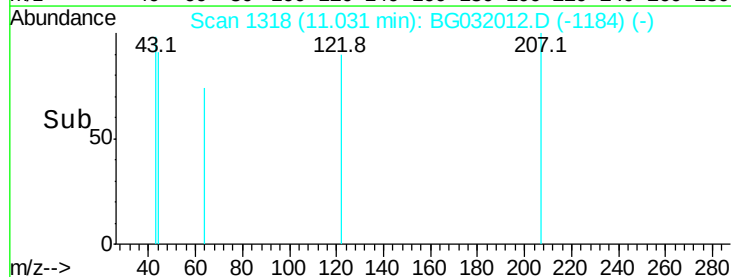
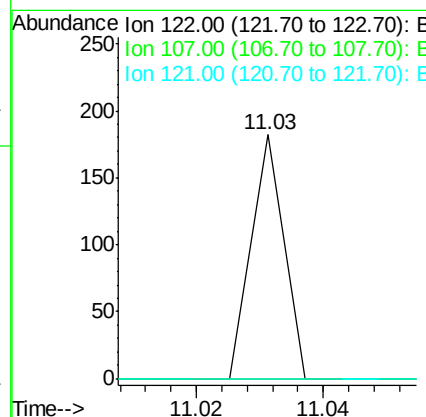
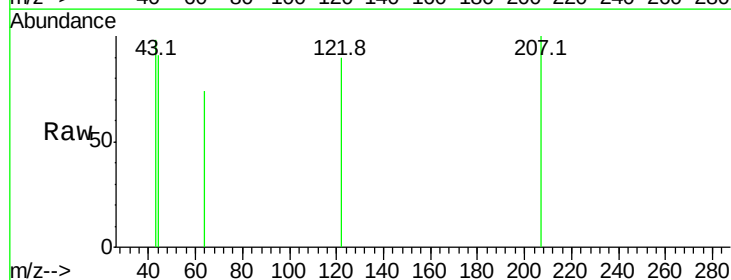
Instrument :  
 BNA\_G  
 ClientSampleId :

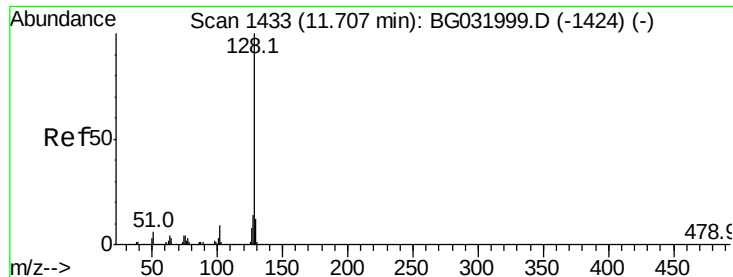
Tot Ion: 77 Resp: 1111  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 33.0 49.6#  
 65 0.0 13.0 19.6#



#27  
 2,4-Dimethylphenol  
 Concen: 0.022 ng  
 RT: 11.03 min Scan# 1318  
 Delta R.T. 0.26 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion: 122 Resp: 64  
 Ion Ratio Lower Upper  
 122 100  
 107 0.0 100.2 150.2#  
 121 0.0 44.4 66.6#





#31

Naphthalene

Concen: 4.127 ng

RT: 11.71 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

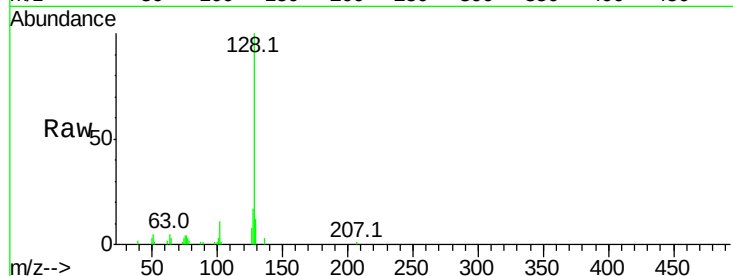
Tot Ion:128 Resp: 42846

Ion Ratio Lower Upper

128 100

129 12.4 8.6 12.8

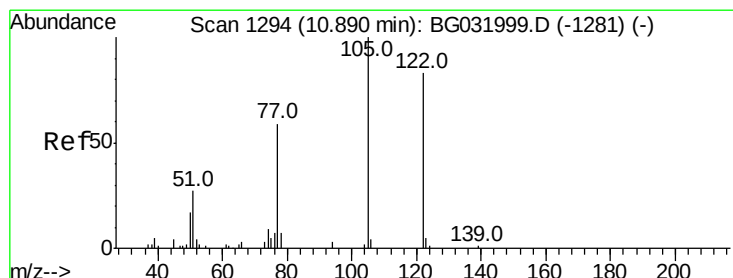
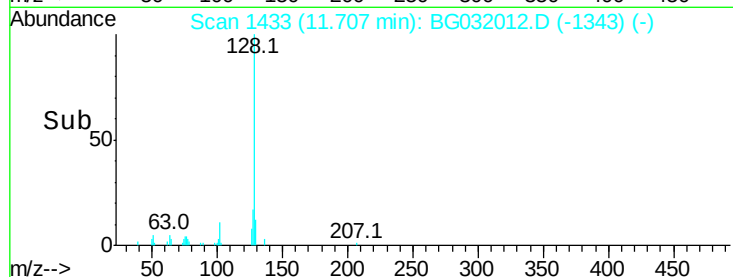
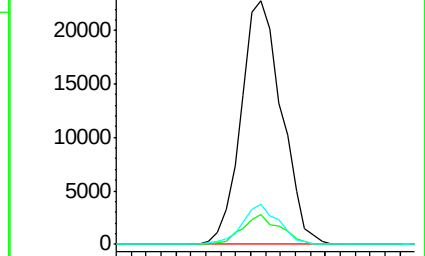
127 16.7 11.6 17.4



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: 5.280 ng

RT: 11.03 min Scan# 1318

Delta R.T. 0.14 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

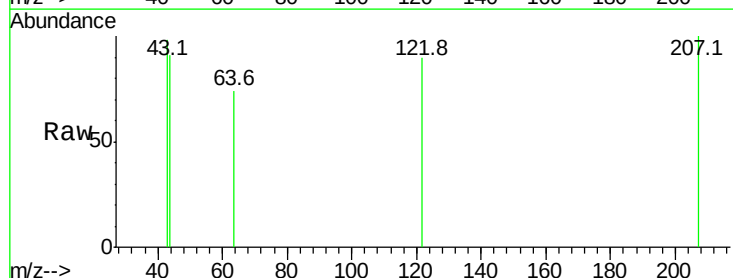
Tgt Ion:122 Resp: 64

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

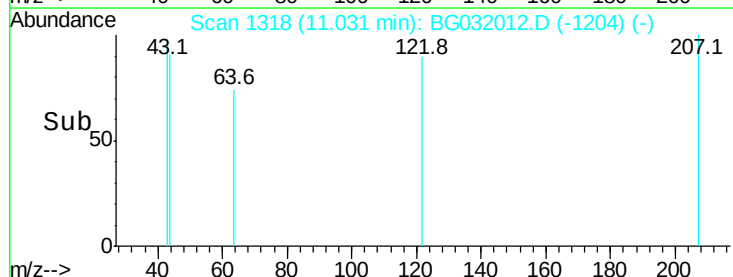
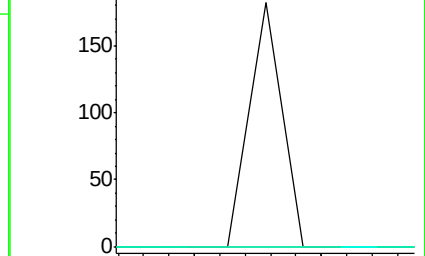
77 0.0 85.7 125.7#

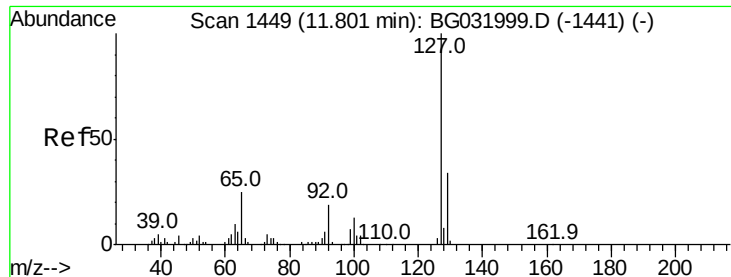


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

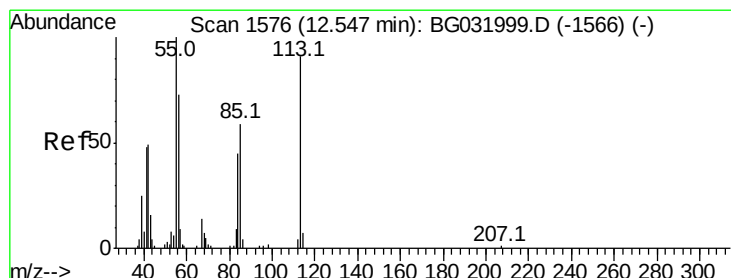
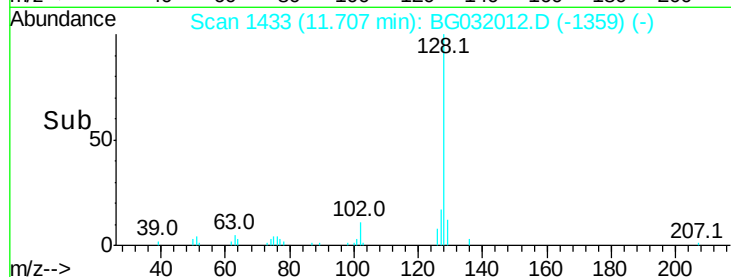
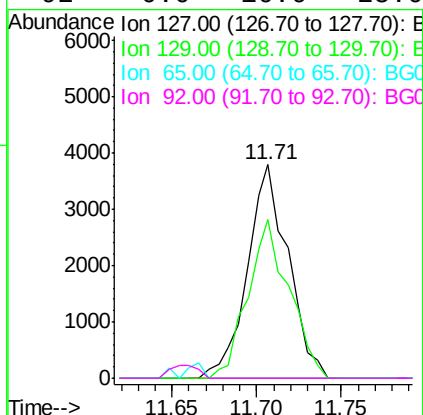
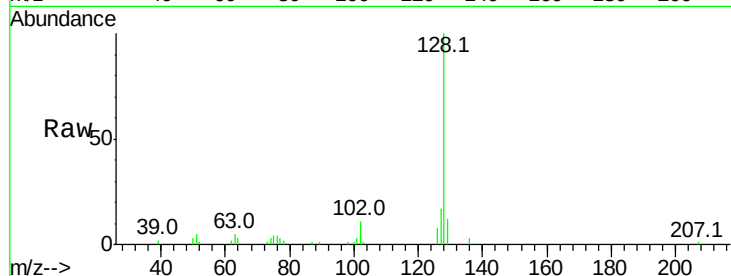




#33  
4-Chloroaniline  
Concen: 1.424 ng  
RT: 11.71 min Scan# 1433  
Delta R.T. -0.09 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

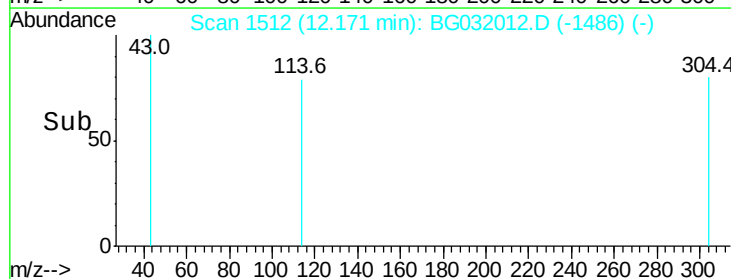
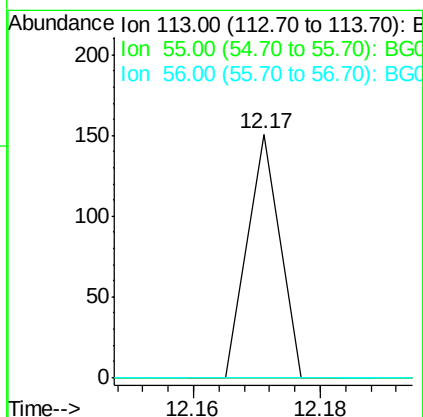
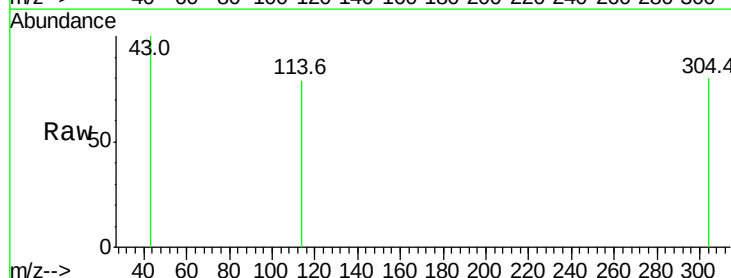
Instrument :  
BNA\_G  
ClientSampleId :

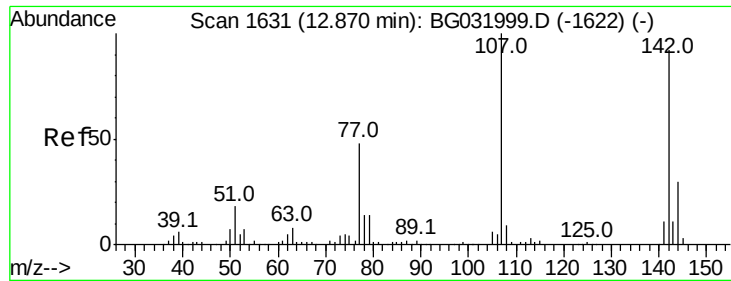
Tot Ion:127 Resp: 6340  
Ion Ratio Lower Upper  
127 100  
129 74.4 24.0 36.0#  
65 0.0 27.0 40.4#  
92 0.0 16.6 25.0#



#35  
Caprolactam  
Concen: 0.049 ng  
RT: 12.17 min Scan# 1512  
Delta R.T. -0.38 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

Tgt Ion:113 Resp: 53  
Ion Ratio Lower Upper  
113 100  
55 0.0 186.9 226.9#  
56 0.0 130.9 170.9#

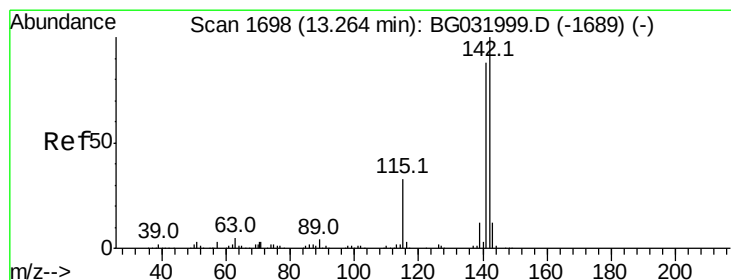
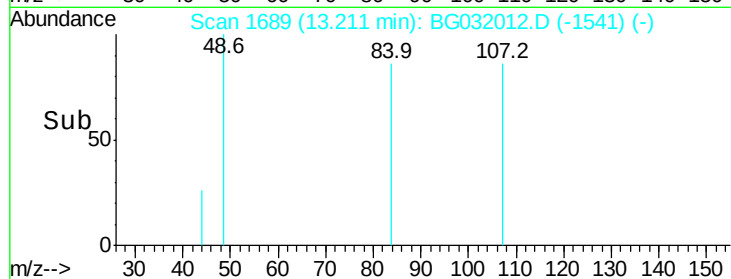
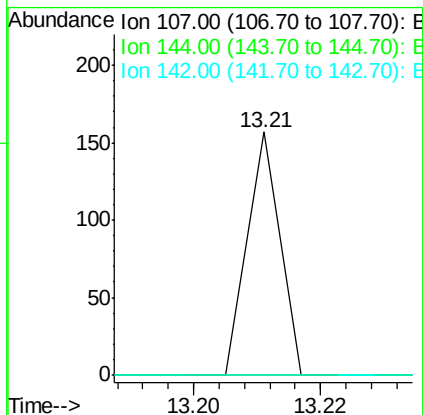
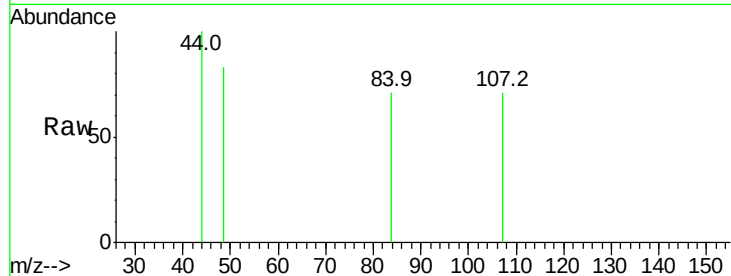




#36  
 4-Chloro-3-methylphenol  
 Concen: 0.017 ng  
 RT: 13.21 min Scan# 1689  
 Delta R.T. 0.34 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

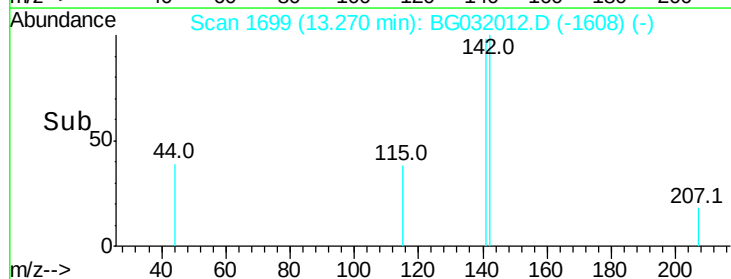
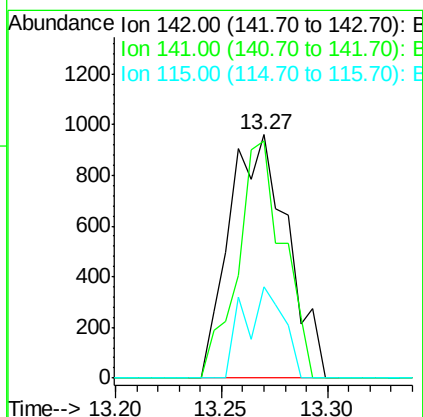
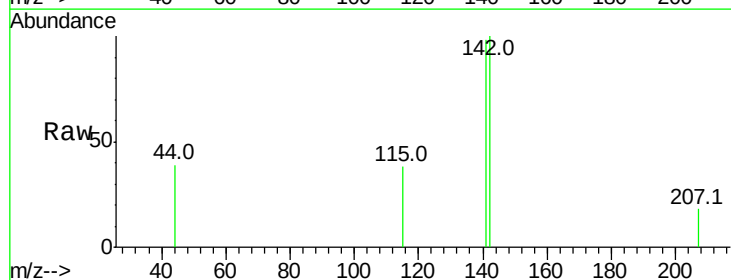
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:107 Resp: 55  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 18.2 27.4#  
 142 0.0 59.0 88.4#

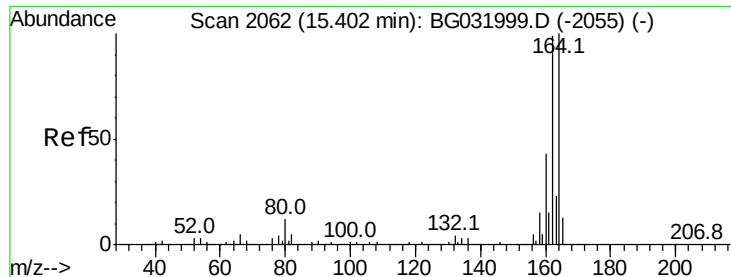


#37  
 2-Methylnaphthalene  
 Concen: 0.223 ng  
 RT: 13.27 min Scan# 1699  
 Delta R.T. 0.01 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion:142 Resp: 1837  
 Ion Ratio Lower Upper  
 142 100  
 141 97.5 67.1 100.7  
 115 37.7 30.7 46.1







#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

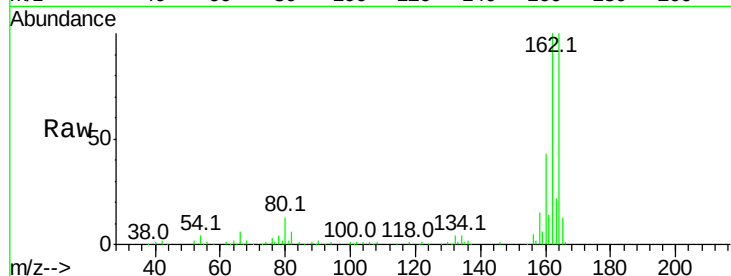
Tot Ion:164 Resp: 144635

Ion Ratio Lower Upper

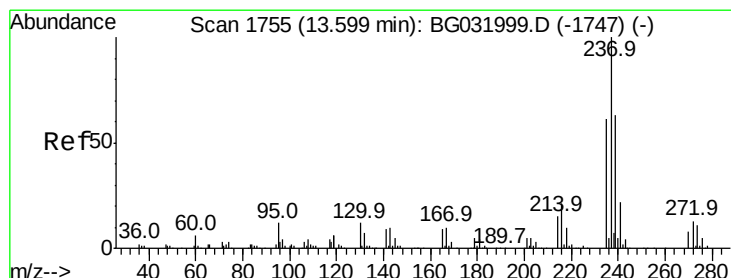
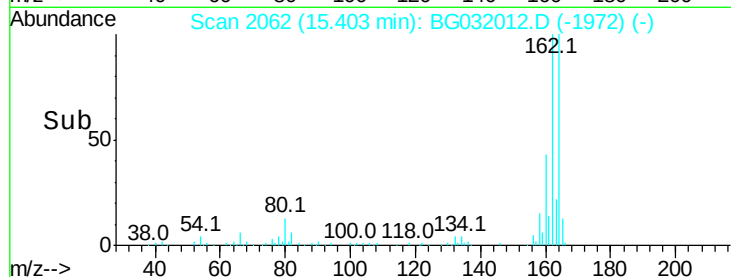
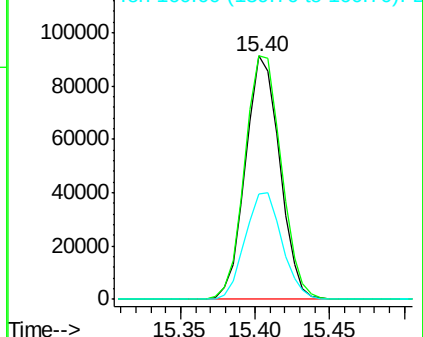
164 100

162 100.2 78.8 118.2

160 43.5 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



#40

Hexachlorocyclopentadiene

Concen: 0.017 ng

RT: 13.96 min Scan# 1817

Delta R.T. 0.36 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

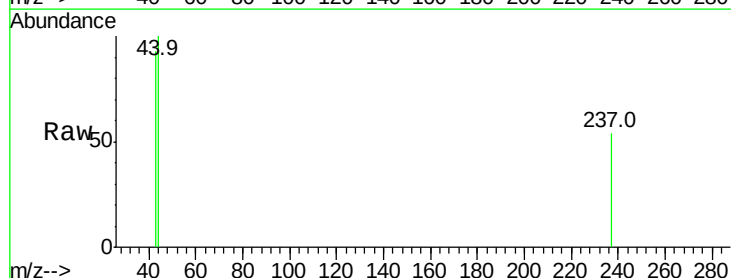
Tgt Ion:237 Resp: 62

Ion Ratio Lower Upper

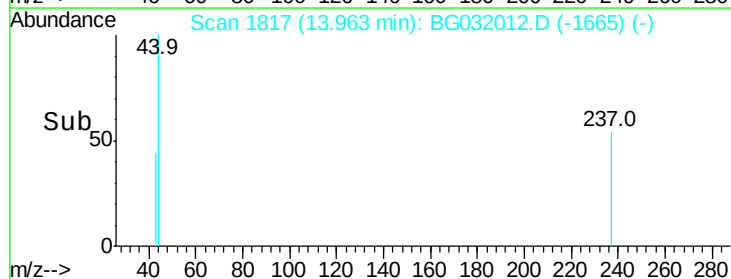
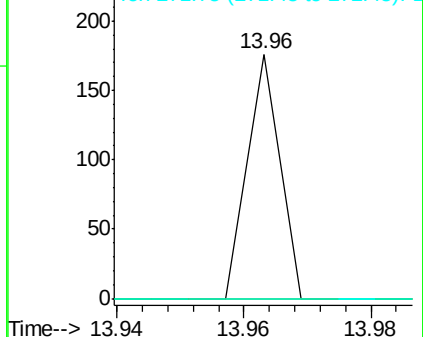
237 100

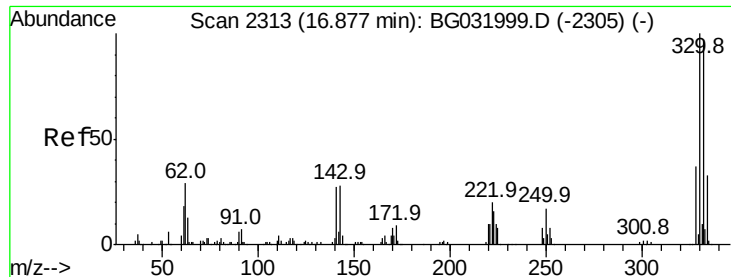
235 0.0 50.4 90.4#

272 0.0 0.0 31.8



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

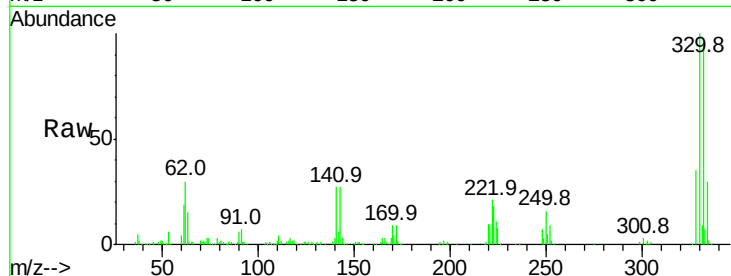




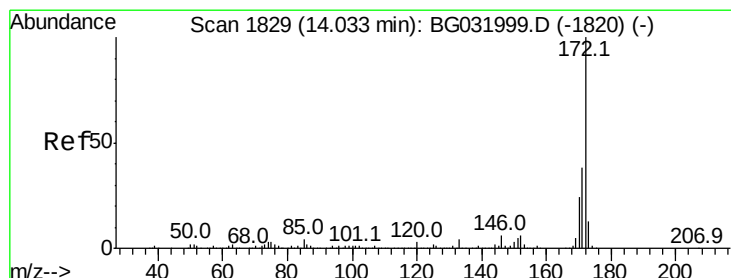
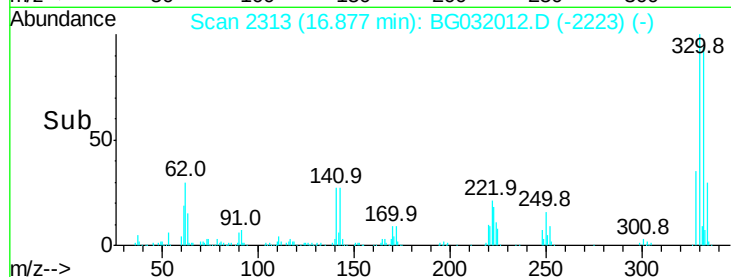
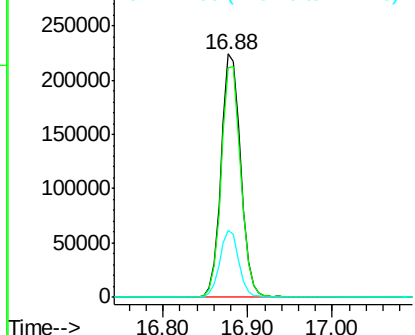
#41  
 2,4,6-Tribromophenol  
 Concen: 151.229 ng  
 RT: 16.88 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.3  | 77.0  | 115.6 |
| 141     | 26.7  | 25.2  | 37.8  |

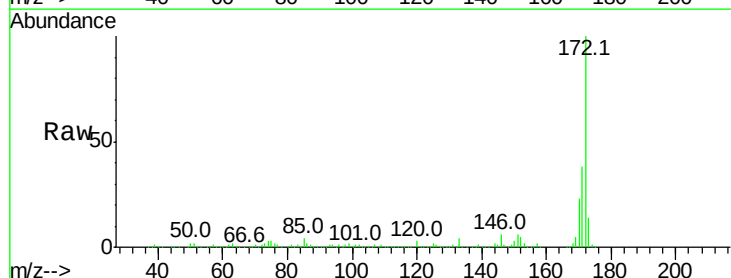


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

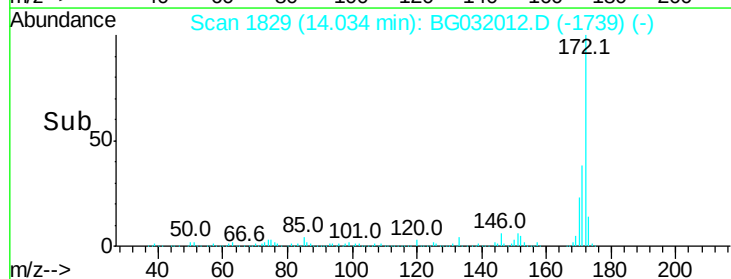
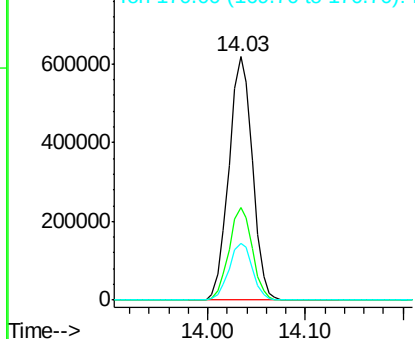


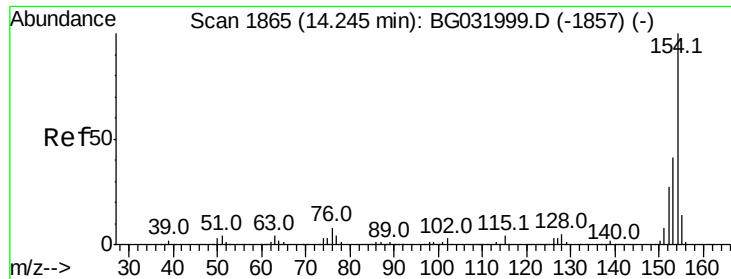
#44  
 2-Fluorobiphenyl  
 Concen: 88.487 ng  
 RT: 14.03 min Scan# 1829  
 Delta R.T. 0.00 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.2  | 30.0  | 45.0  |
| 170     | 23.4  | 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

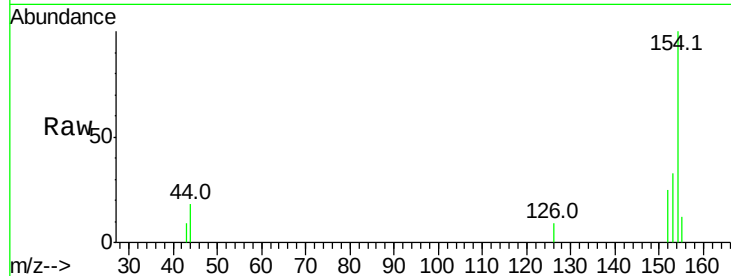




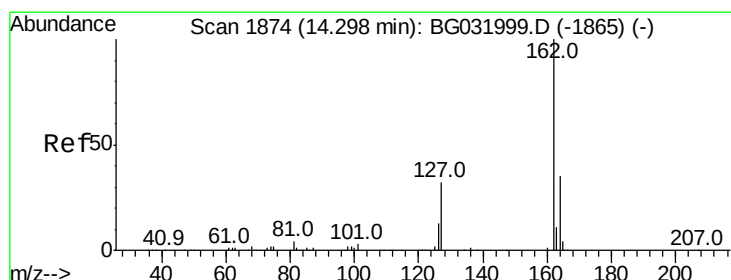
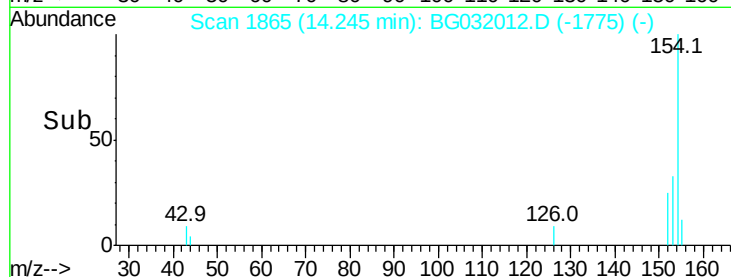
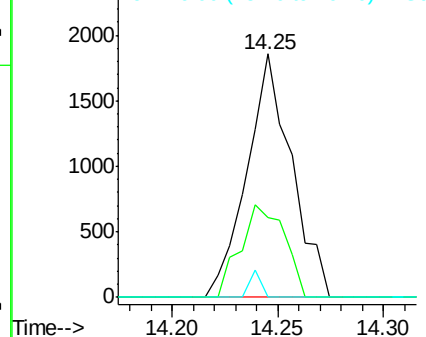
#45  
 1,1'-Biphenyl  
 Concen: 0.219 ng  
 RT: 14.25 min Scan# 1865  
 Delta R.T. 0.00 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Instrument :  
 BNA\_G  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 154   | Resp: | 2714  |
| Ion      | Ratio | Lower | Upper |
| 154      | 100   |       |       |
| 153      | 32.9  | 19.8  | 59.8  |
| 76       | 0.0   | 0.0   | 31.9  |

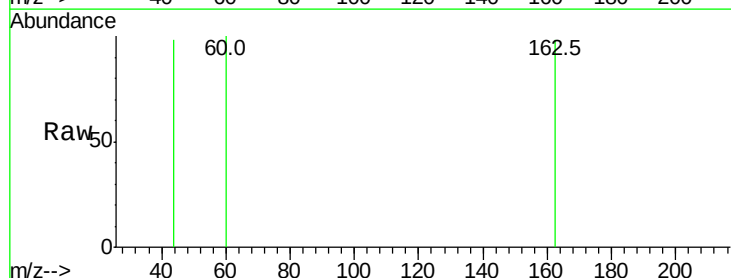


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

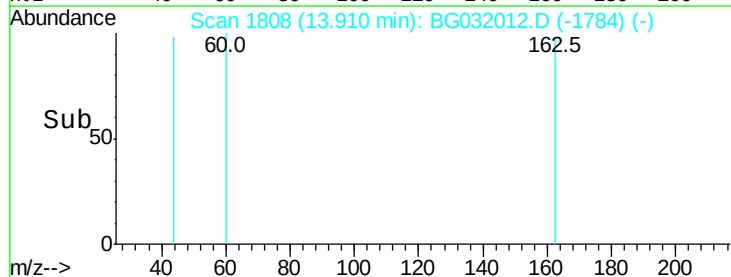
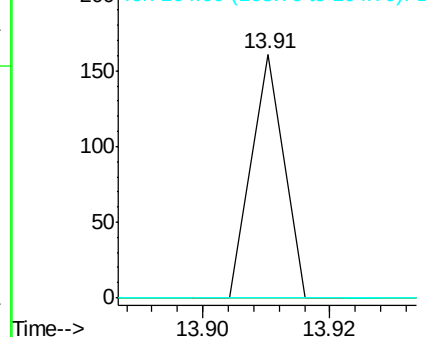


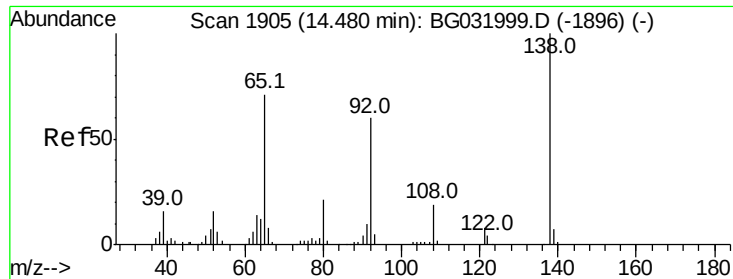
#46  
 2-Chloronaphthalene  
 Concen: 0.006 ng  
 RT: 13.91 min Scan# 1808  
 Delta R.T. -0.39 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 57    |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 127      | 0.0   | 30.7  | 46.1# |
| 164      | 0.0   | 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

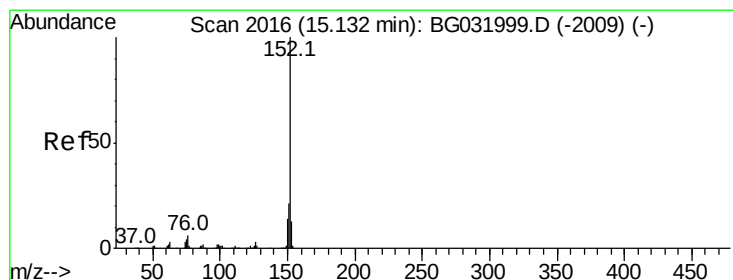
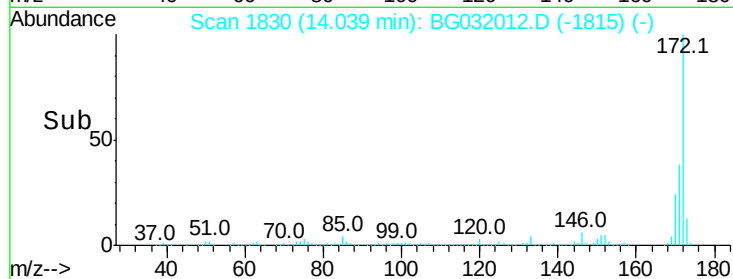
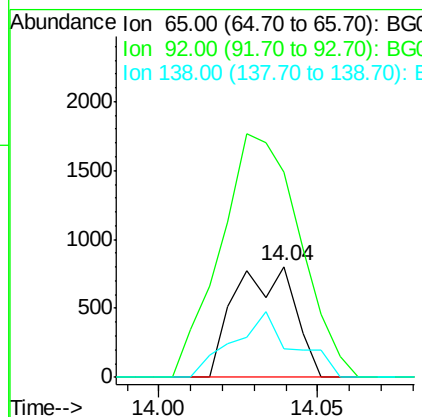
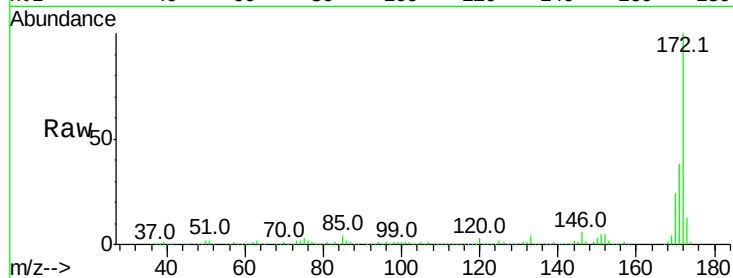




#47  
 2-Nitroaniline  
 Concen: 0.573 ng  
 RT: 14.04 min Scan# 1830  
 Delta R.T. -0.44 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

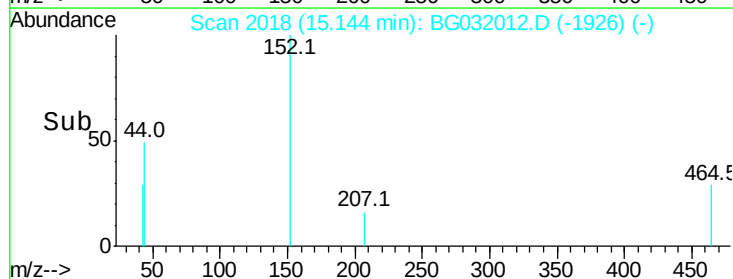
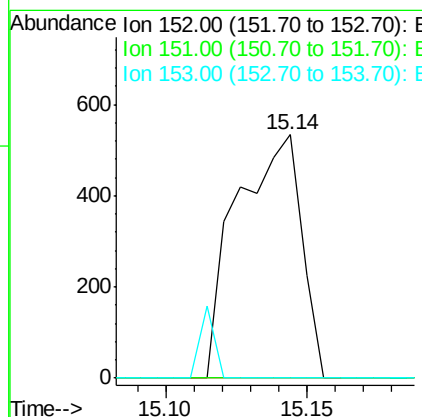
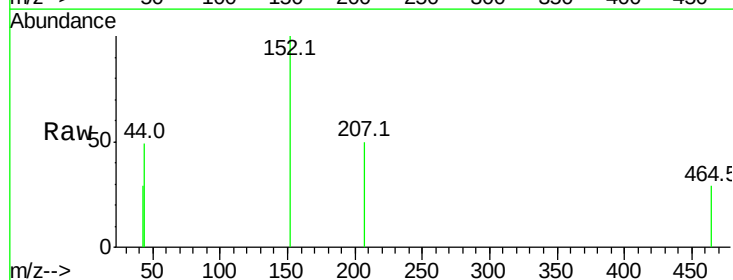
Instrument :  
 BNA\_G  
 ClientSampled :

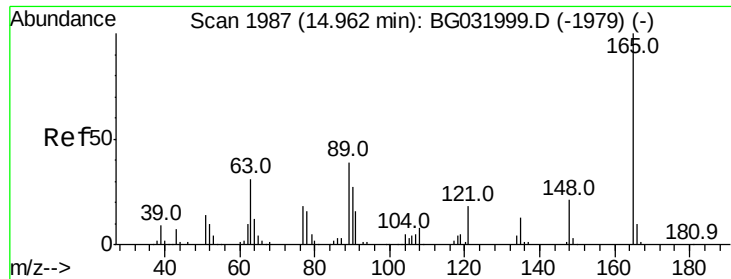
Tot Ion: 65 Resp: 1058  
 Ion Ratio Lower Upper  
 65 100  
 92 185.1 54.6 82.0#  
 138 25.3 72.9 109.3#



#48  
 Acenaphthylene  
 Concen: 0.058 ng  
 RT: 15.14 min Scan# 2018  
 Delta R.T. 0.01 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion: 152 Resp: 851  
 Ion Ratio Lower Upper  
 152 100  
 151 0.0 17.2 25.8#  
 153 0.0 10.2 15.4#

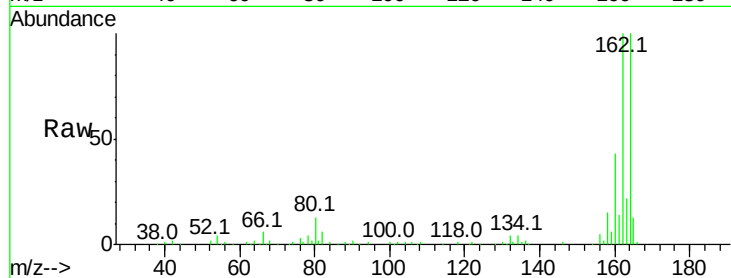




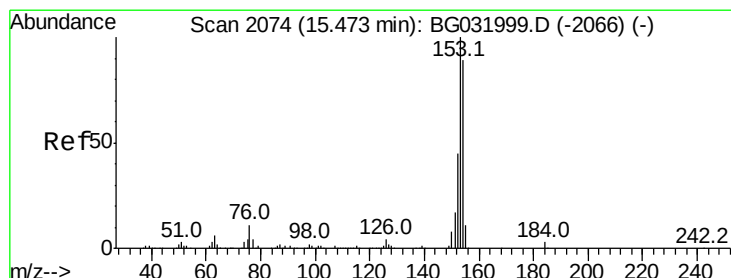
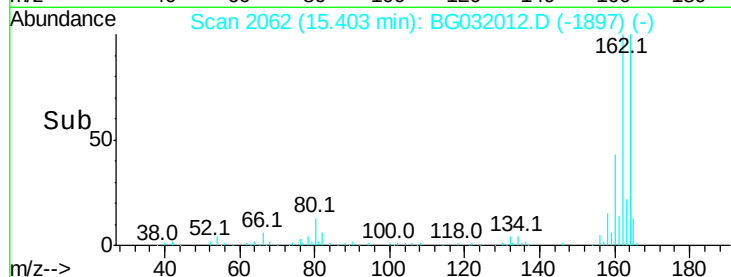
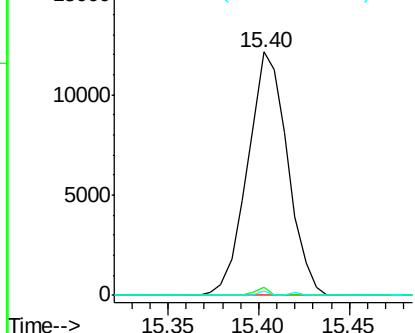
#50  
2,6-Dinitrotoluene  
Concen: 7.107 ng  
RT: 15.40 min Scan# 2062  
Delta R.T. 0.44 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 18670  
Ion Ratio Lower Upper  
165 100  
63 3.1 52.7 79.1#  
89 1.6 49.2 73.8#

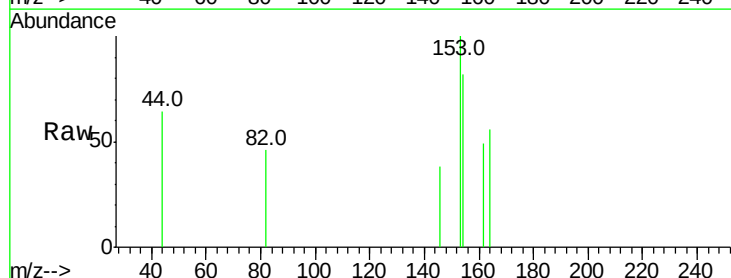


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC

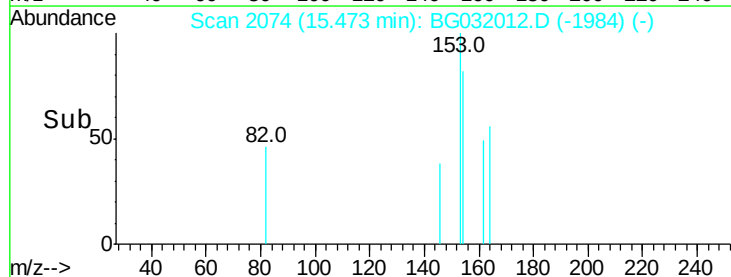
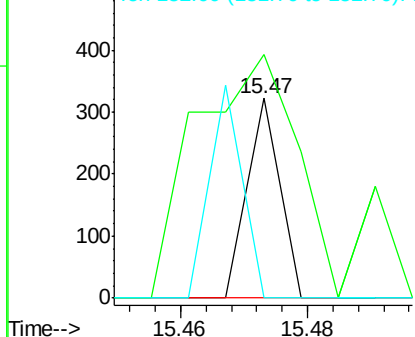


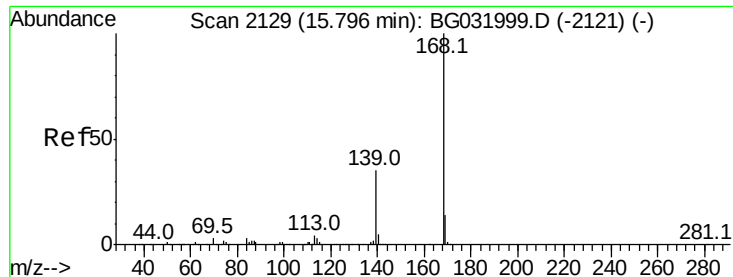
#51  
Acenaphthene  
Concen: 0.012 ng  
RT: 15.47 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

Tgt Ion:154 Resp: 114  
Ion Ratio Lower Upper  
154 100  
153 122.0 90.4 135.6  
152 0.0 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





#54

Dibenzenofuran

Concen: 0.117 ng

RT: 15.80 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

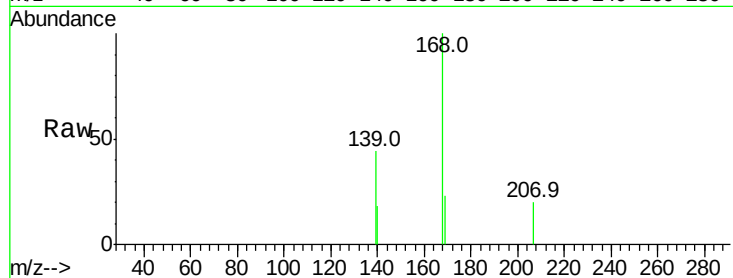
Tot Ion:168 Resp: 1693

Ion Ratio Lower Upper

168 100

139 43.9 28.6 43.0#

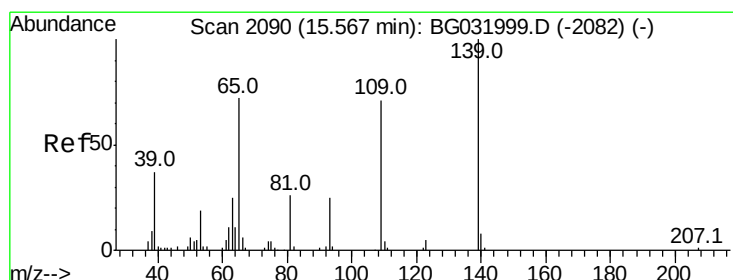
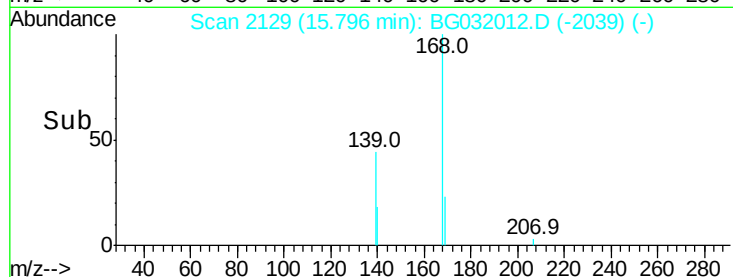
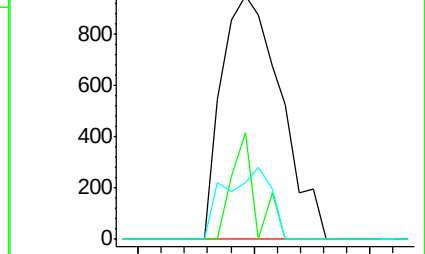
169 23.5 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.172 ng

RT: 15.80 min Scan# 2129

Delta R.T. 0.23 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

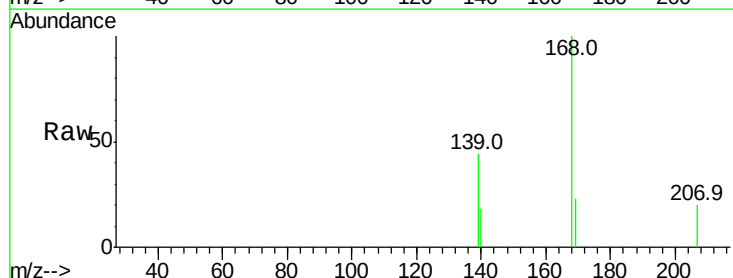
Tgt Ion:139 Resp: 298

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

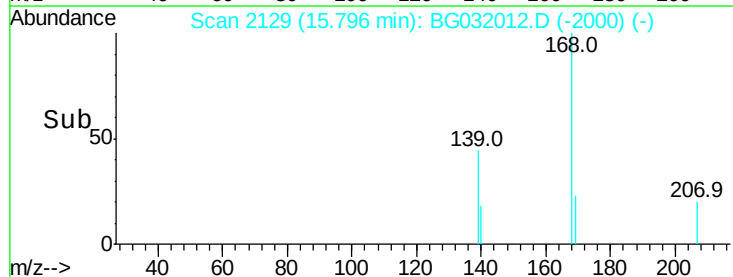
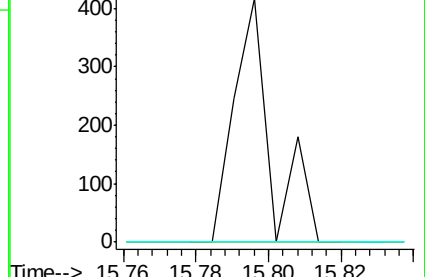
65 0.0 97.2 137.2#

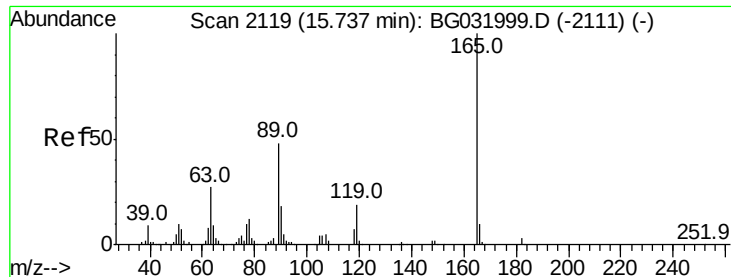


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

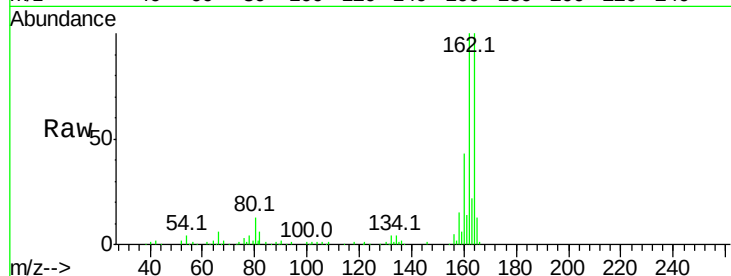




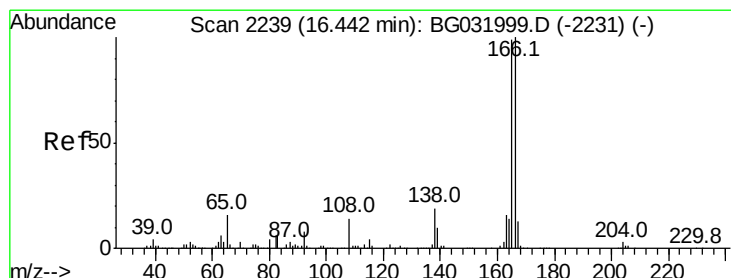
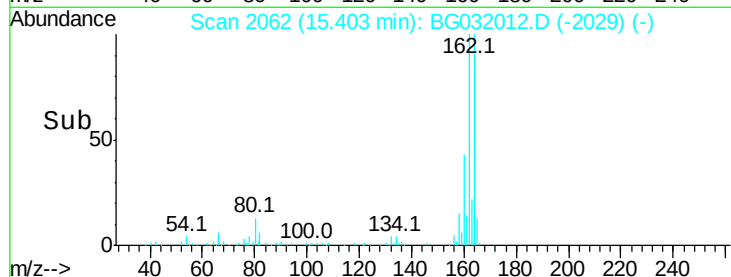
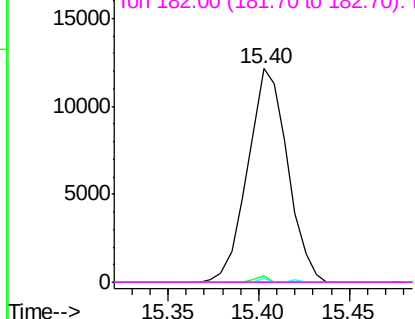
#56  
2,4-Dinitrotoluene  
Concen: 5.279 ng  
RT: 15.40 min Scan# 2062  
Delta R.T. -0.33 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 18670  
Ion Ratio Lower Upper  
165 100  
63 3.1 42.0 63.0#  
89 1.6 66.9 100.3#  
182 0.0 2.6 3.8#

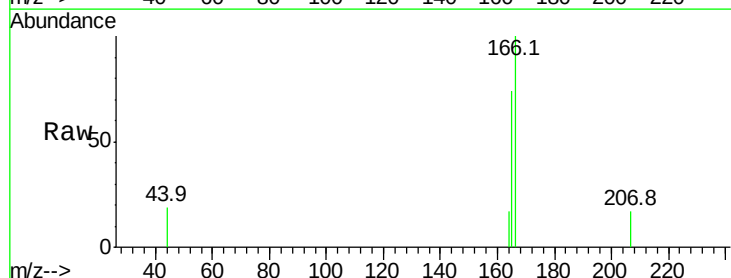


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

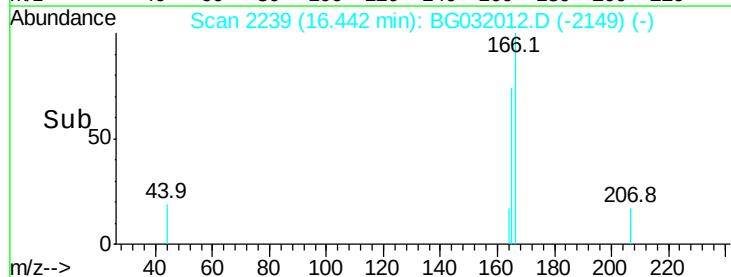
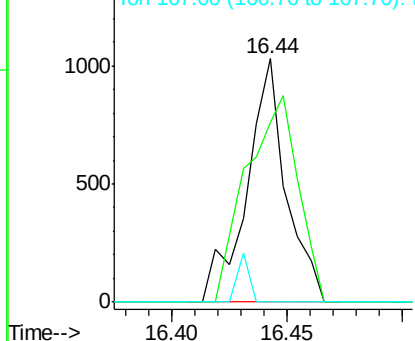


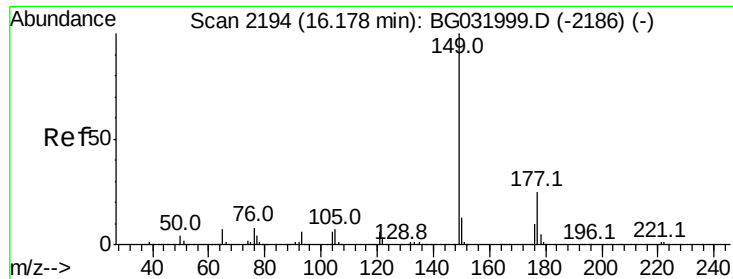
#57  
Fluorene  
Concen: 0.103 ng  
RT: 16.44 min Scan# 2239  
Delta R.T. 0.00 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

Tgt Ion:166 Resp: 1221  
Ion Ratio Lower Upper  
166 100  
165 73.8 80.6 121.0#  
167 0.0 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#59

Diethylphthalate

Concen: 0.124 ng

RT: 16.18 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

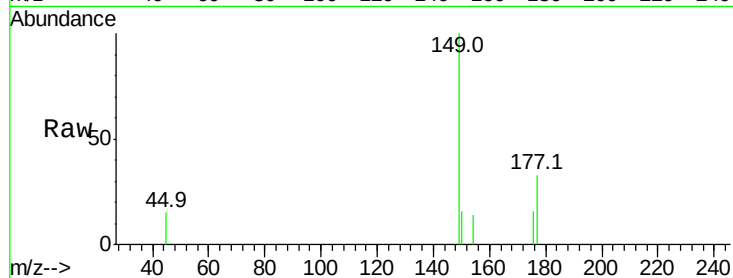
Tot Ion:149 Resp: 1522

Ion Ratio Lower Upper

149 100

177 33.3 18.5 27.7#

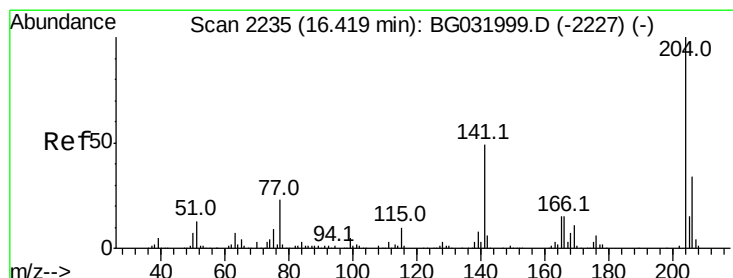
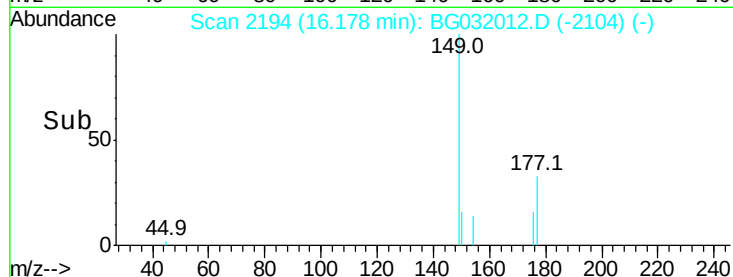
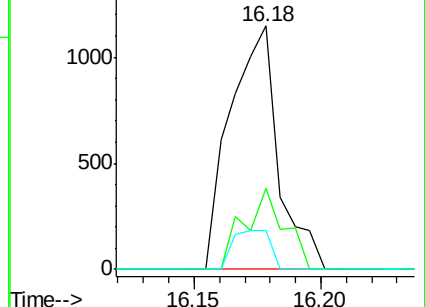
150 15.8 10.2 15.2#



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: 0.009 ng

RT: 16.64 min Scan# 2272

Delta R.T. 0.22 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

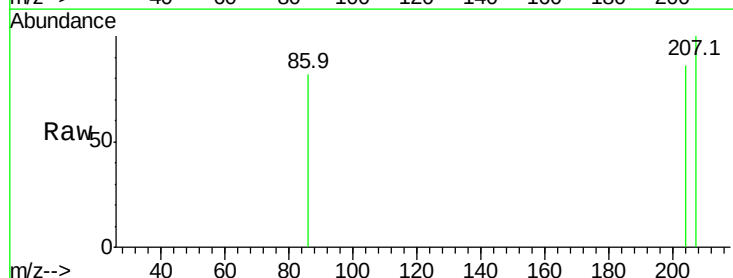
Tgt Ion:204 Resp: 68

Ion Ratio Lower Upper

204 100

206 0.0 26.2 39.2#

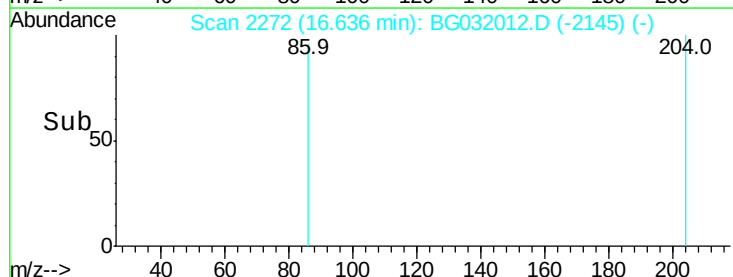
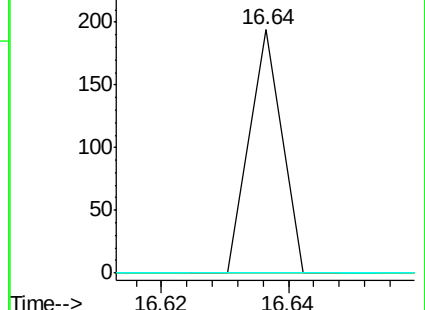
141 0.0 45.8 68.6#



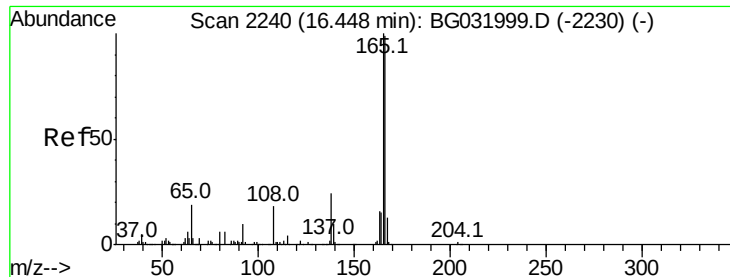
Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E







#61

4-Nitroaniline

Concen: 0.032 ng

RT: 16.88 min Scan# 2314

Delta R.T. 0.43 min

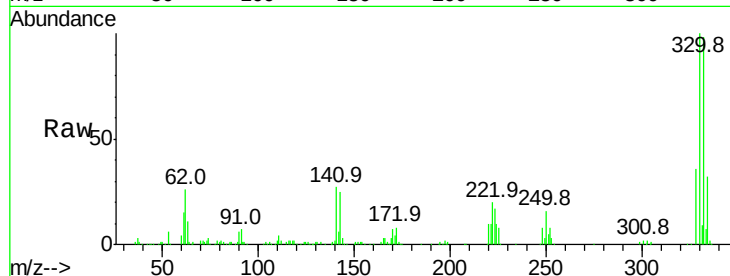
Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

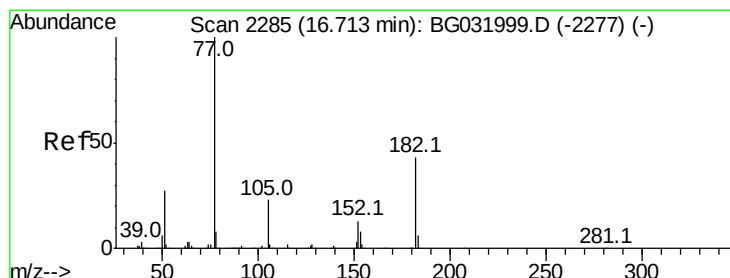
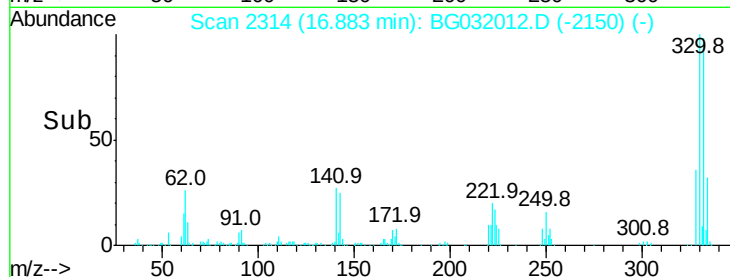
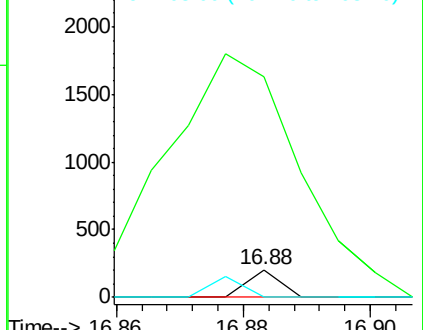


|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 138   | Resp: | 73     |
| Ion      | Ratio | Lower | Upper  |
| 138      | 100   |       |        |
| 92       | 791.3 | 40.1  | 80.1#  |
| 108      | 0.0   | 65.4  | 105.4# |

Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 0.134 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.16 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 1027  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |

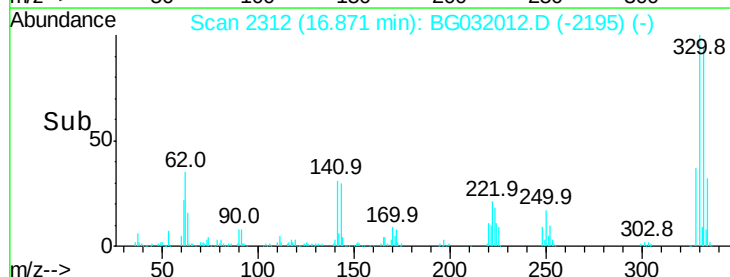
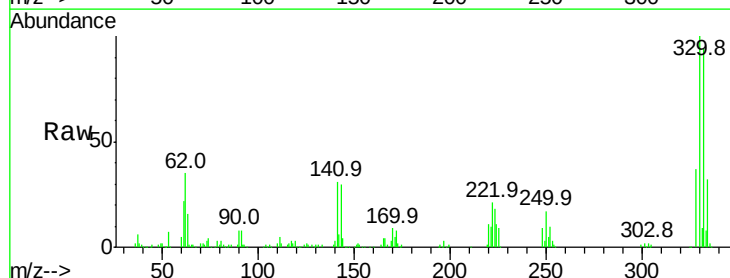
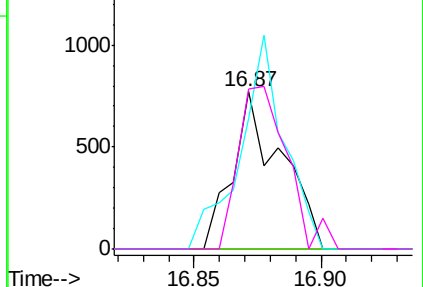
|     |       |      |       |
|-----|-------|------|-------|
| 182 | 0.0   | 7.4  | 47.4# |
| 105 | 82.7  | 0.3  | 40.3# |
| 51  | 102.1 | 11.6 | 51.6# |

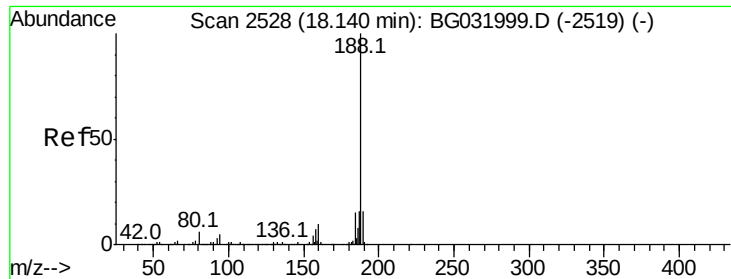
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.13 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

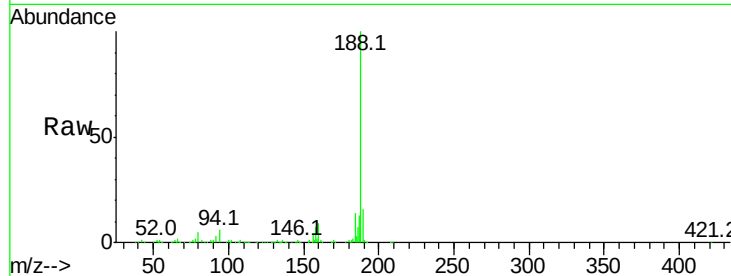
Tot Ion:188 Resp: 394667

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

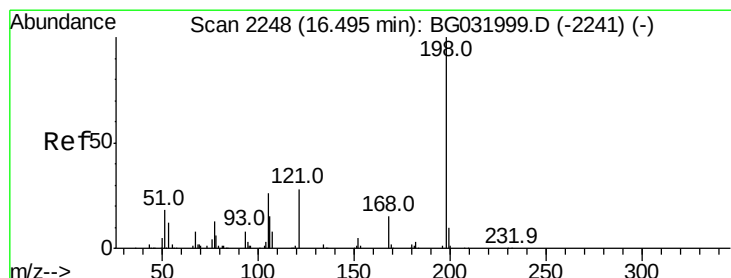
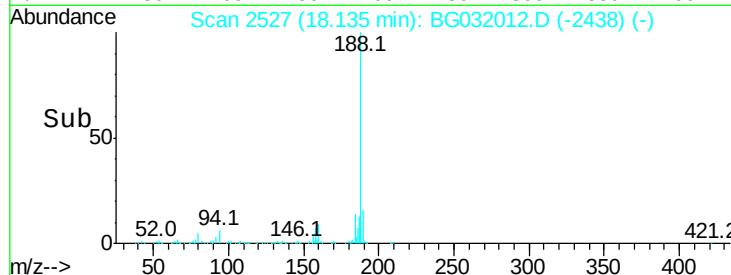
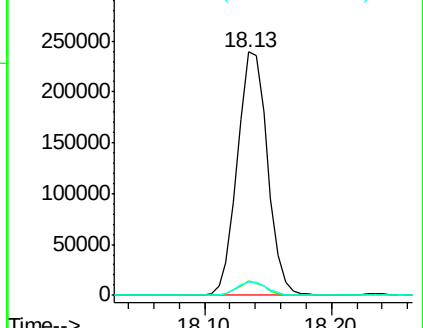
80 5.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.150 ng

RT: 16.88 min Scan# 2313

Delta R.T. 0.38 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

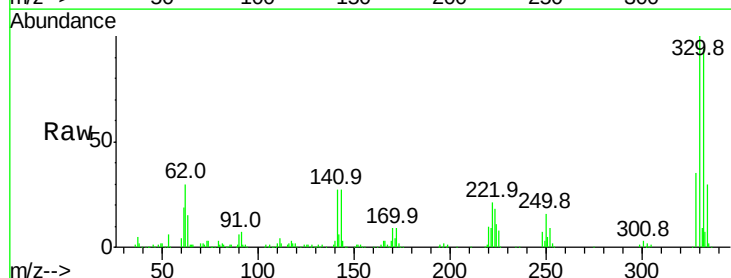
Tgt Ion:198 Resp: 747

Ion Ratio Lower Upper

198 100

51 124.5 30.6 70.6#

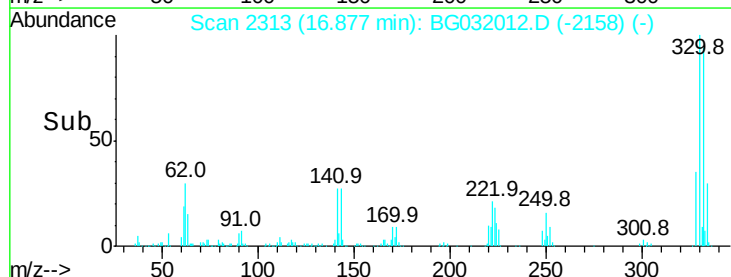
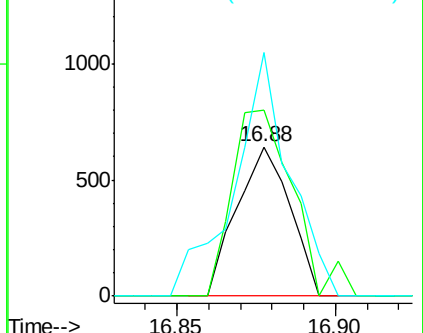
105 163.3 23.8 63.8#

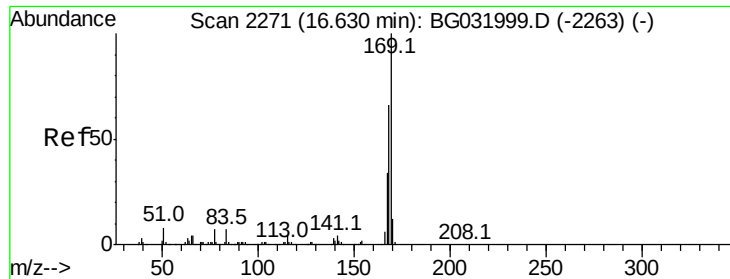


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

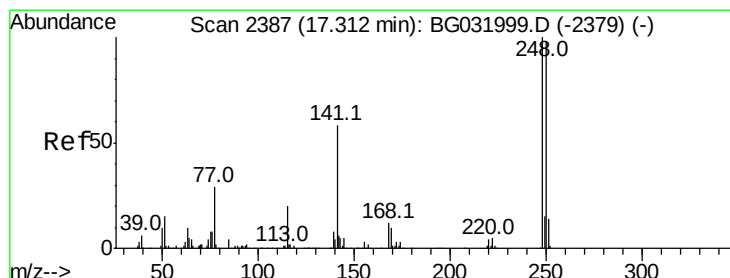
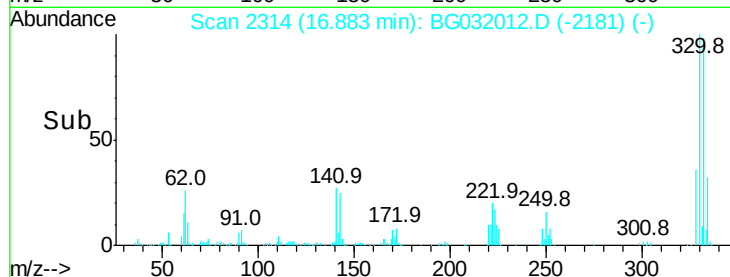
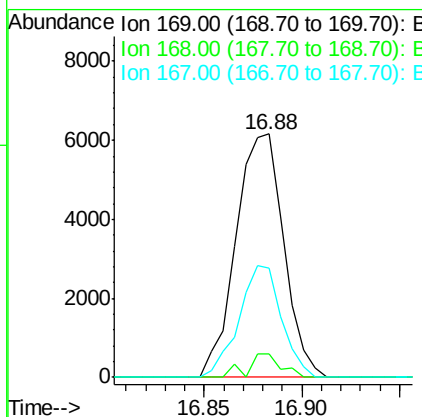
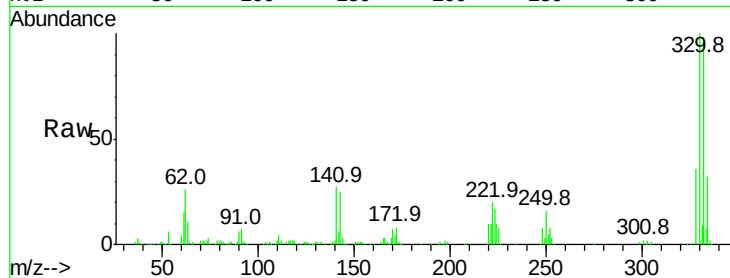




#65  
 n-Nitrosodiphenylamine  
 Concen: 0.871 ng  
 RT: 16.88 min Scan# 2314  
 Delta R.T. 0.25 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

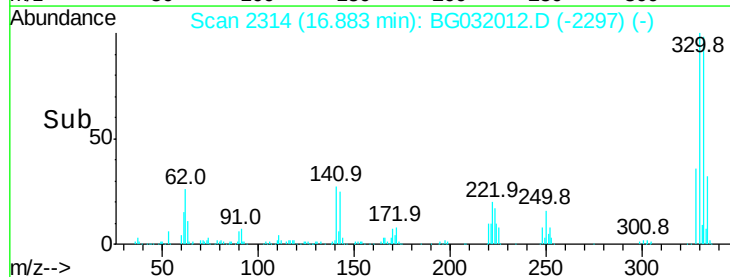
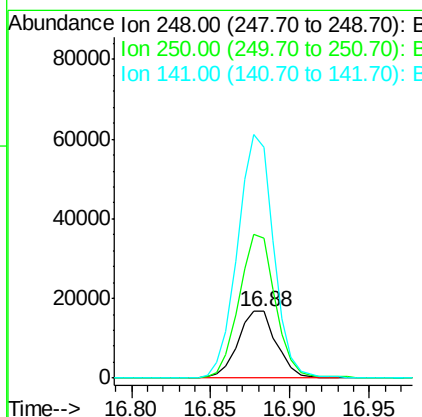
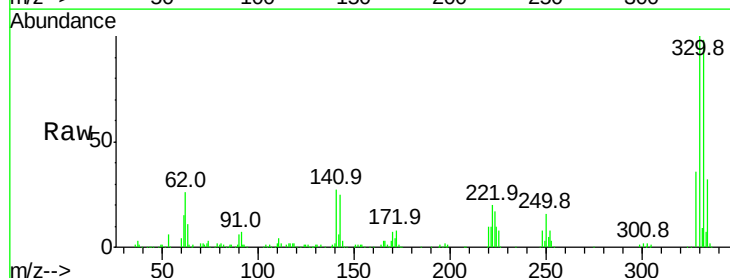
Instrument :  
 BNA\_G  
 ClientSampleId :

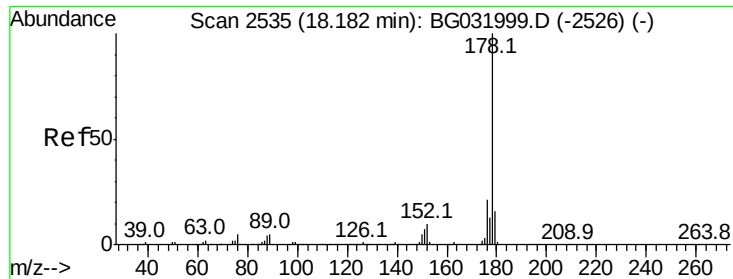
Tot Ion:169 Resp: 10434  
 Ion Ratio Lower Upper  
 169 100  
 168 9.5 55.7 83.5#  
 167 44.8 30.1 45.1



#66  
 4-Bromophenyl-phenylether  
 Concen: 5.005 ng  
 RT: 16.88 min Scan# 2314  
 Delta R.T. -0.43 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion:248 Resp: 28105  
 Ion Ratio Lower Upper  
 248 100  
 250 208.9 77.1 115.7#  
 141 344.9 50.8 76.2#





#70

Phenanthrene

Concen: 0.117 ng

RT: 18.18 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

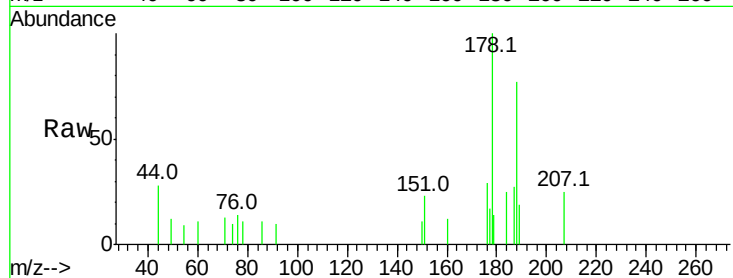
Tot Ion:178 Resp: 2571

Ion Ratio Lower Upper

178 100

176 29.2 15.7 23.5#

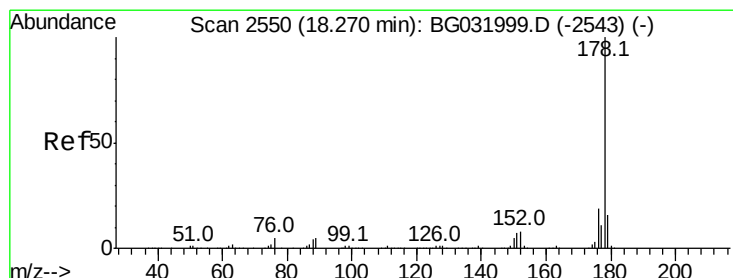
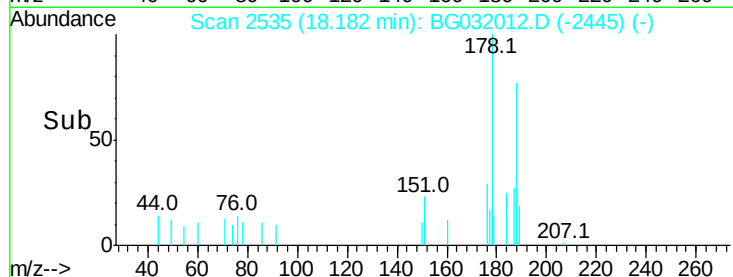
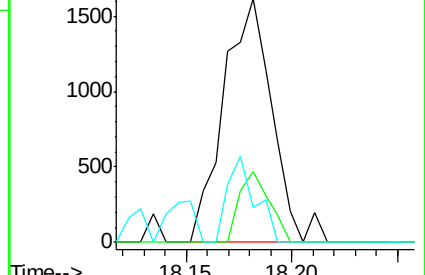
179 14.4 12.5 18.7



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



#71

Anthracene

Concen: 0.010 ng

RT: 18.26 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

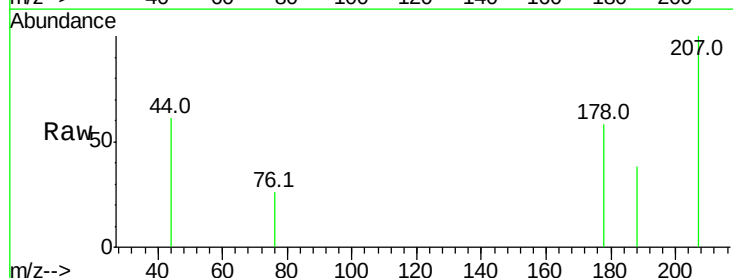
Tgt Ion:178 Resp: 214

Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

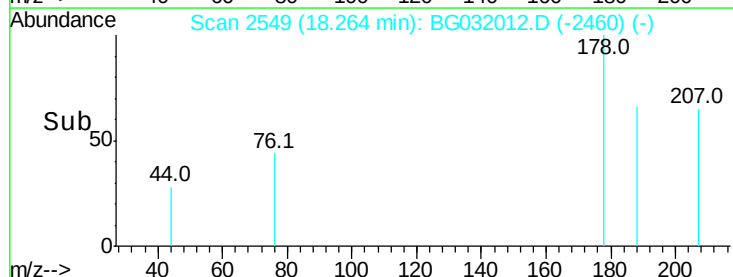
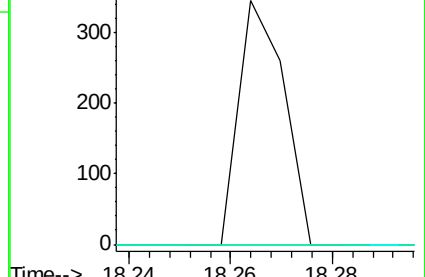
179 0.0 12.5 18.7#

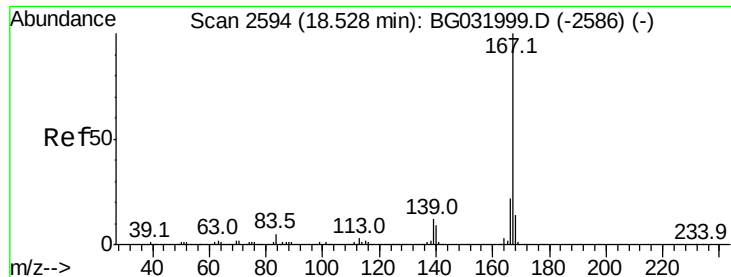


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.019 ng

RT: 18.52 min Scan# 2593

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

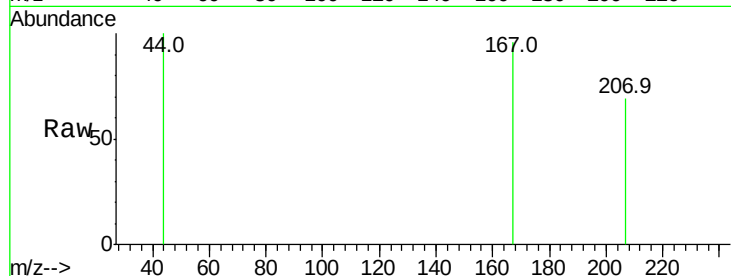
Tot Ion:167 Resp: 364

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

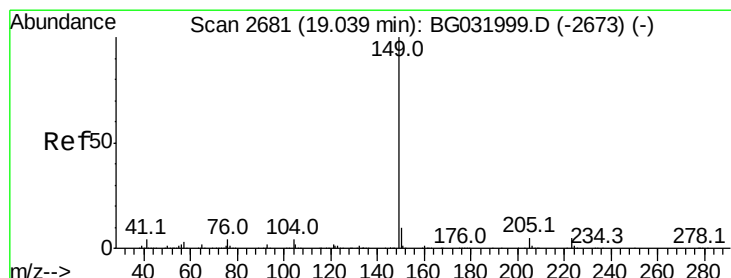
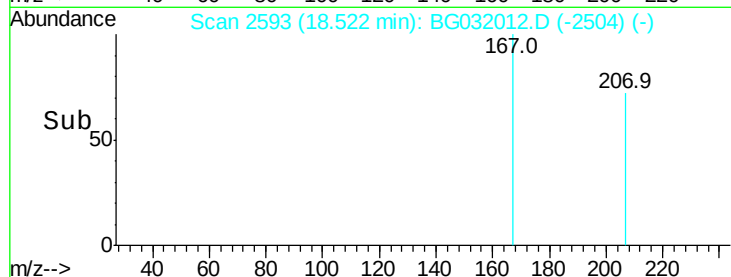
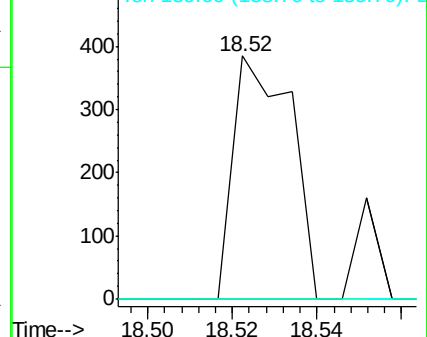
139 0.0 9.4 14.2#



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: 0.067 ng

RT: 19.04 min Scan# 2681

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

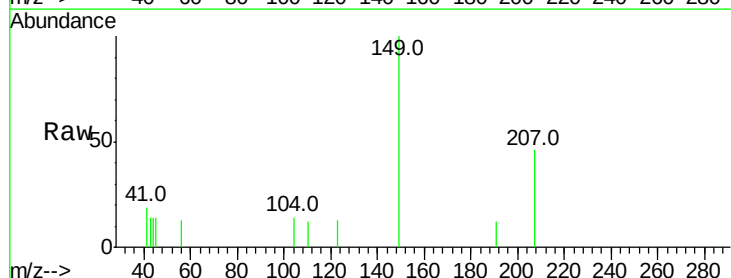
Tgt Ion:149 Resp: 1512

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

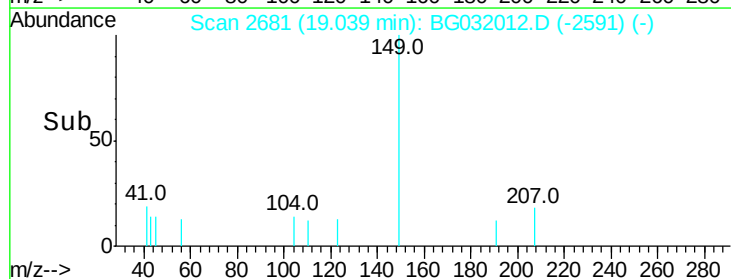
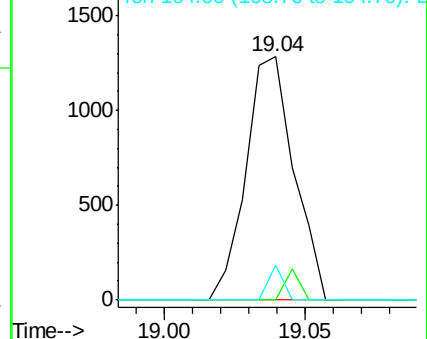
104 14.5 3.9 5.9#

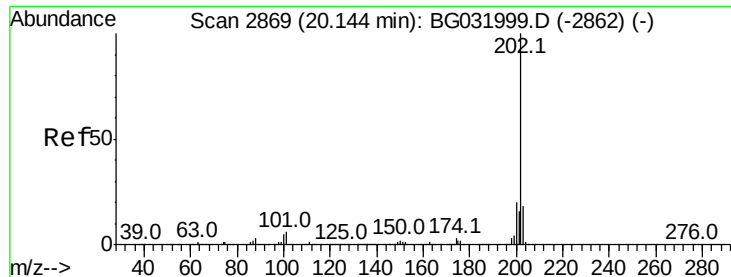


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.020 ng

RT: 20.14 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

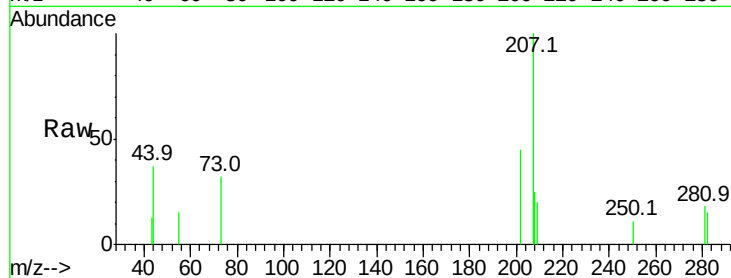
Tot Ion:202 Resp: 553

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.9

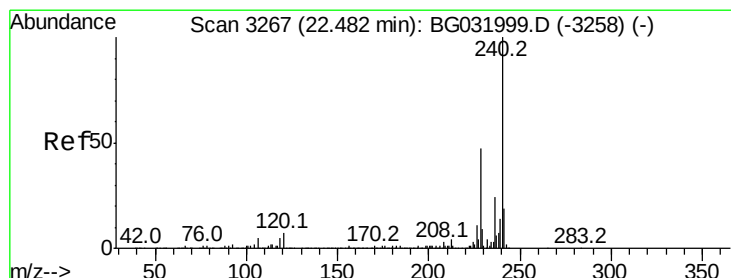
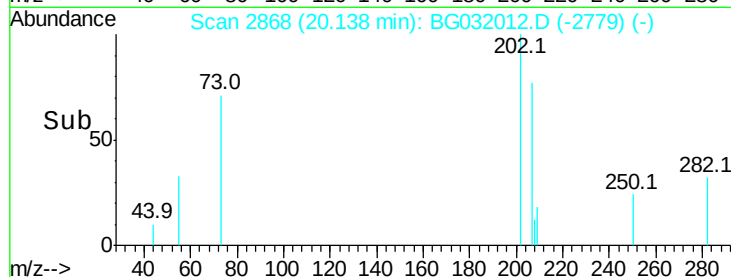
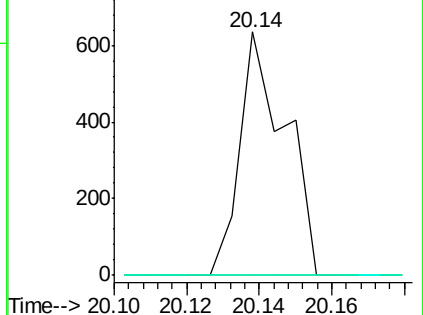
203 0.0 0.0 37.5



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: 22.48 min Scan# 3266

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

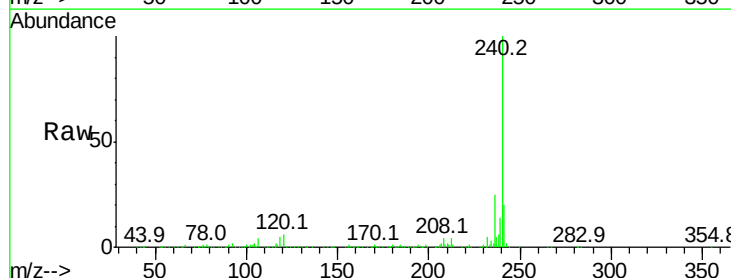
Tgt Ion:240 Resp: 453376

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

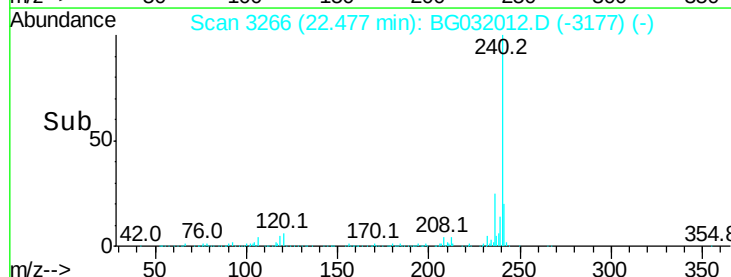
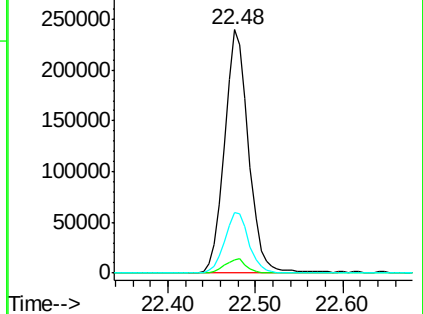
236 24.8 20.9 31.3

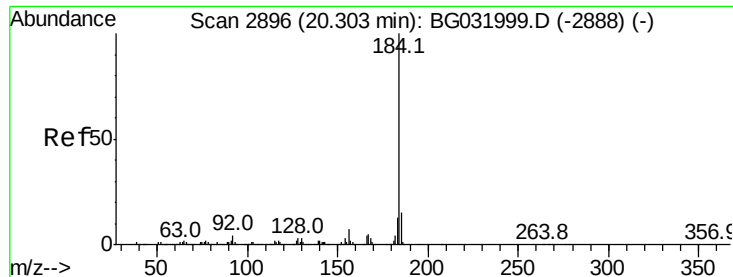


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.359 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.37 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

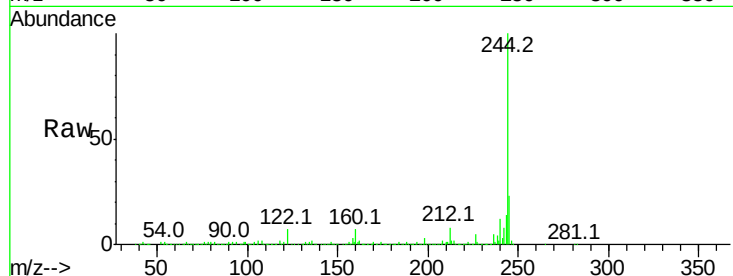
Tot Ion:184 Resp: 26747

Ion Ratio Lower Upper

184 100

185 18.9 11.1 16.7#

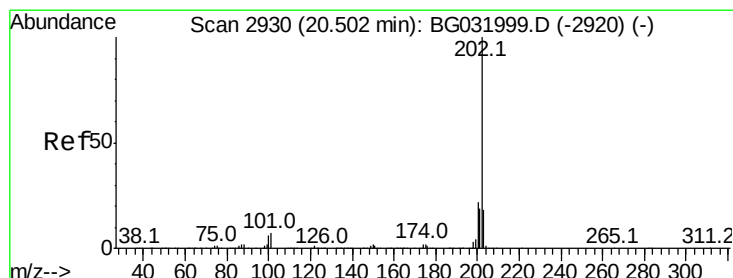
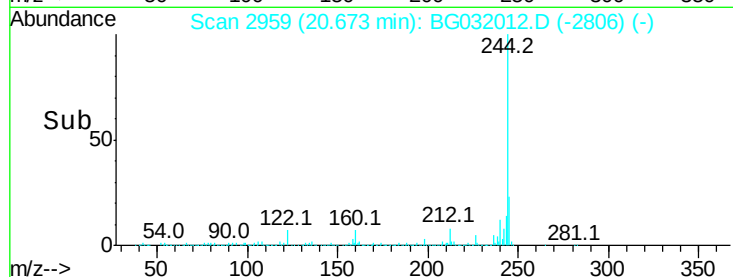
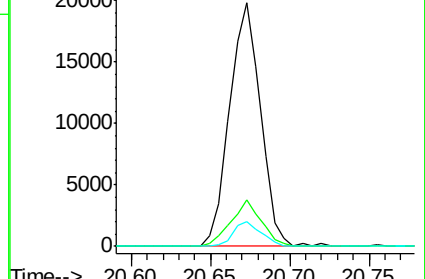
183 10.4 10.6 16.0#



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

Pyrene

Concen: 0.244 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.17 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

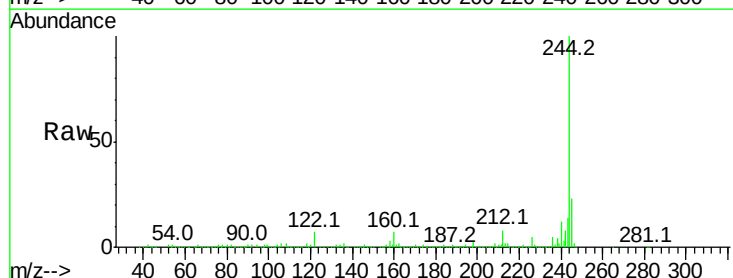
Tgt Ion:202 Resp: 6968

Ion Ratio Lower Upper

202 100

200 39.2 16.9 25.3#

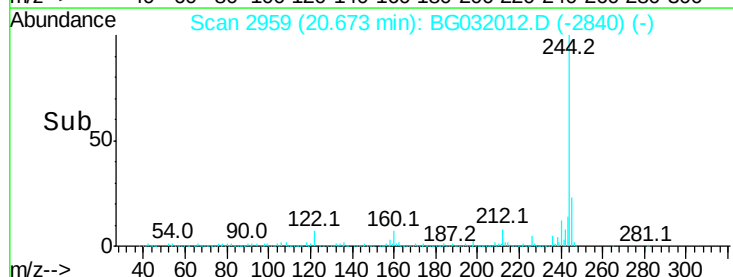
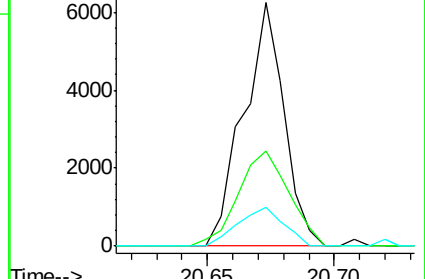
203 15.8 13.9 20.9

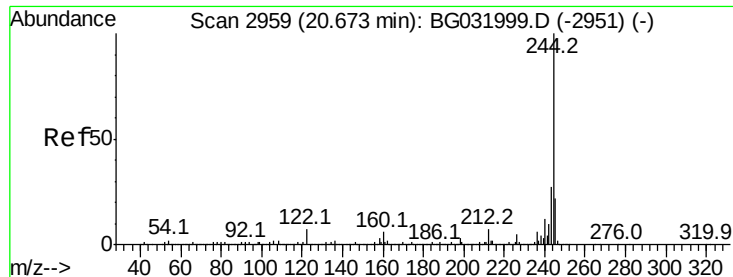


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 97.230 ng

RT: 20.67 min Scan# 2959

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

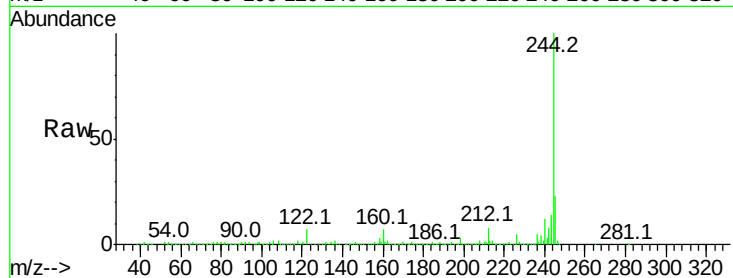
Tot Ion:244 Resp: 1996425

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

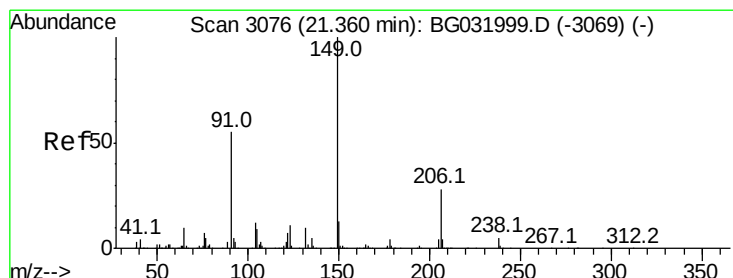
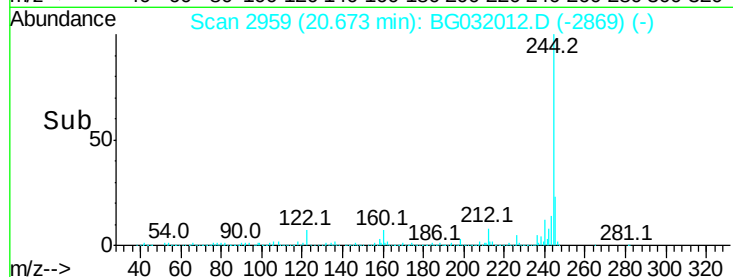
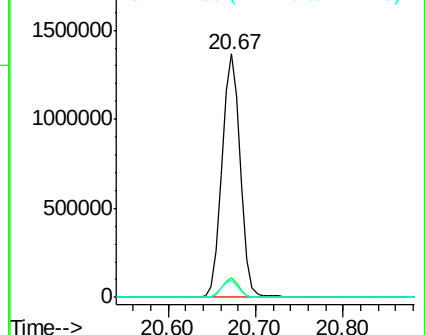
122 7.3 7.0 10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.012 ng

RT: 21.36 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

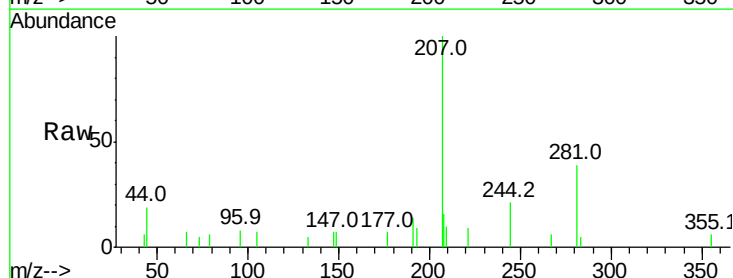
Tgt Ion:149 Resp: 126

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

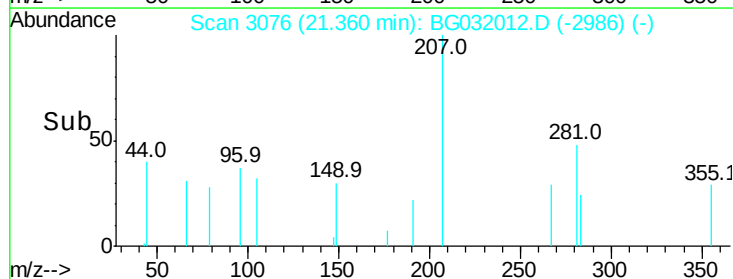
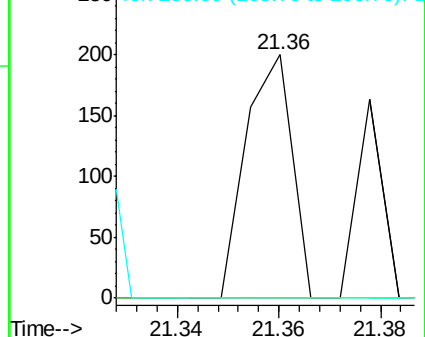
206 0.0 18.6 27.8#



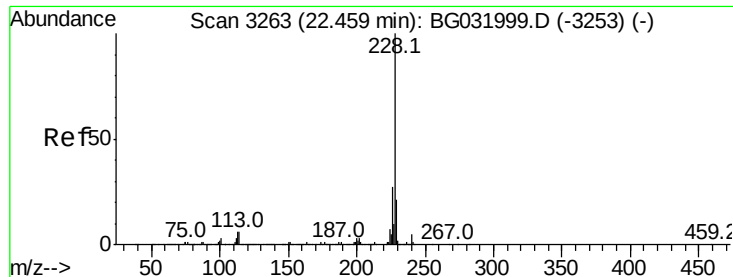
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E







#80

Benzo(a)anthracene

Concen: 0.002 ng

RT: 22.43 min Scan# 3258

Delta R.T. -0.03 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

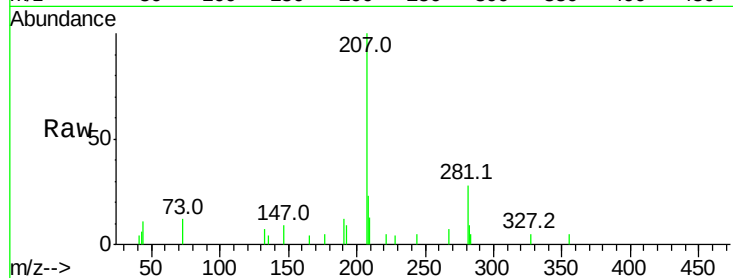
Tot Ion:228 Resp: 61

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

229 0.0 16.2 24.2#

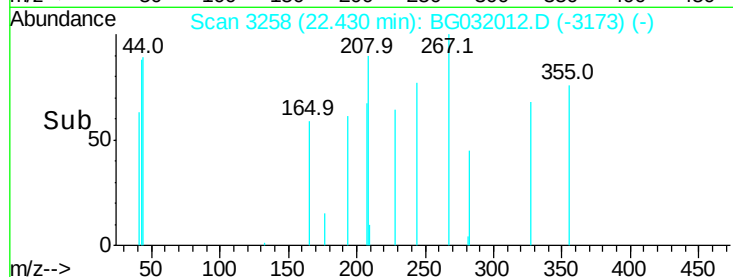


Abundance Ion 228.00 (227.70 to 228.70): E

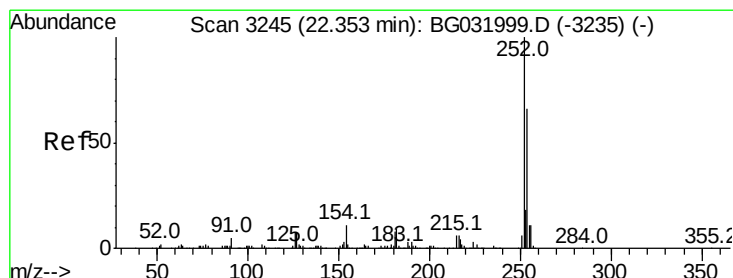
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

22.43



Time-->



#81

3,3'-Dichlorobenzidine

Concen: 0.014 ng

RT: 22.35 min Scan# 3244

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

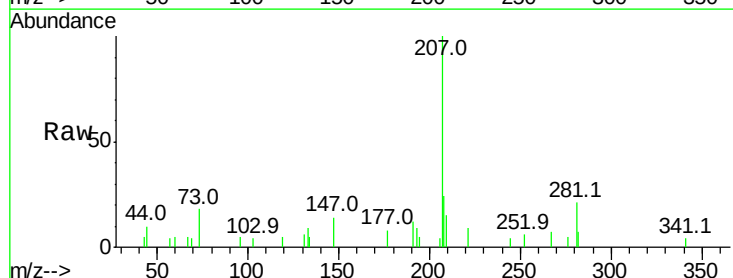
Tgt Ion:252 Resp: 147

Ion Ratio Lower Upper

252 100

254 0.0 50.8 76.2#

126 0.0 7.4 11.2#

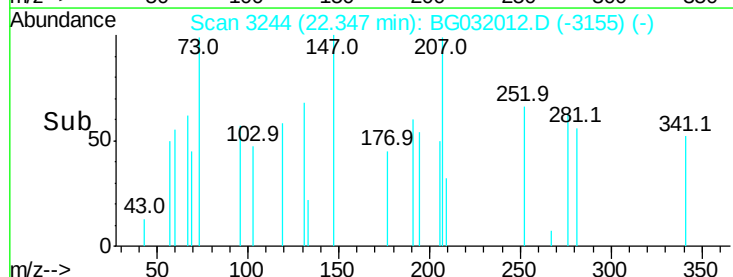


Abundance Ion 252.00 (251.70 to 252.70): E

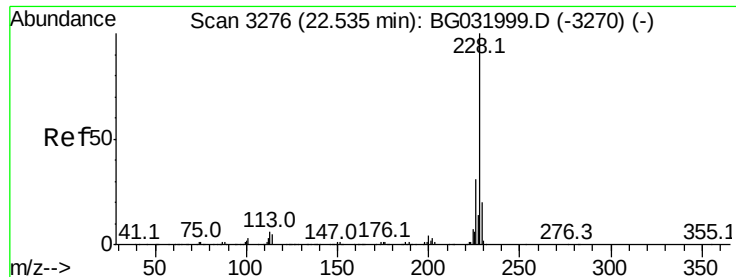
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

22.35



Time-->



#82

Chrysene

Concen: 0.048 ng

RT: 22.48 min Scan# 3267

Delta R.T. -0.05 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

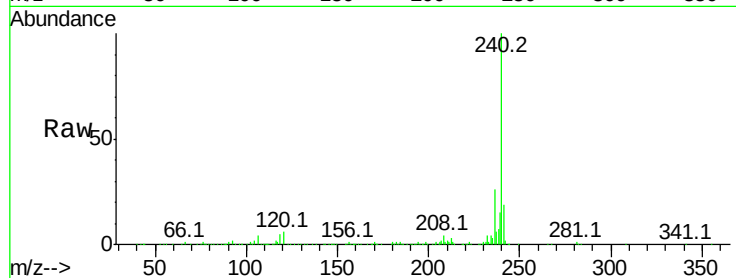
Tot Ion:228 Resp: 1311

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

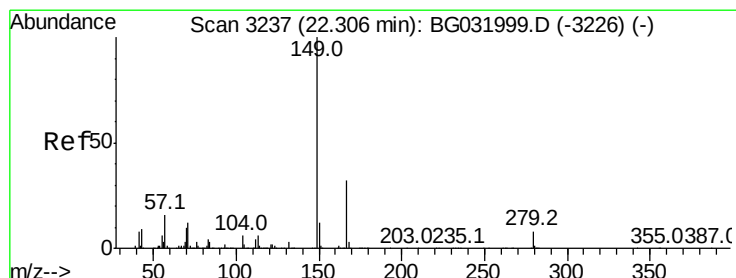
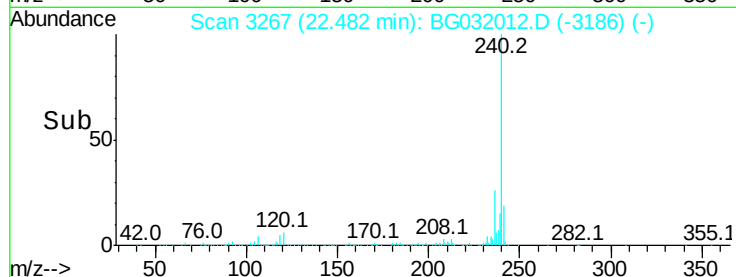
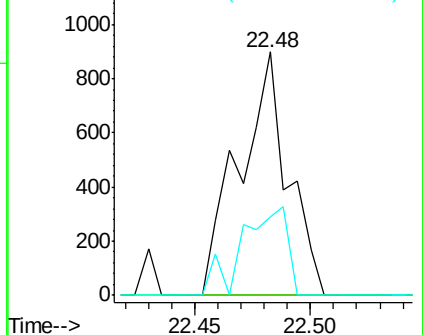
229 32.0 15.0 22.4#



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: 0.030 ng

RT: 22.29 min Scan# 3235

Delta R.T. -0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

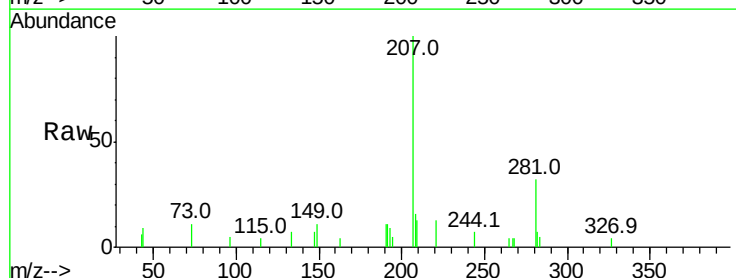
Tgt Ion:149 Resp: 447

Ion Ratio Lower Upper

149 100

167 0.0 24.3 36.5#

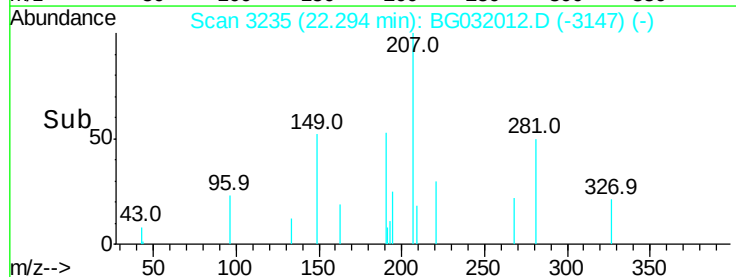
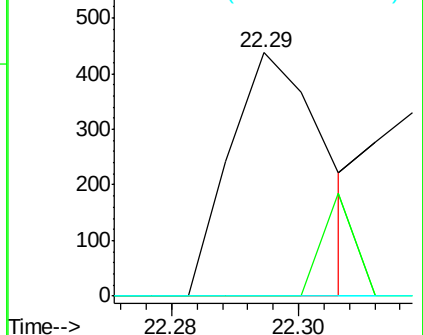
279 0.0 4.0 6.0#

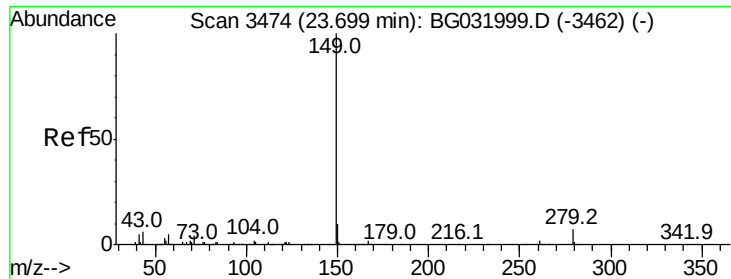


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.006 ng

RT: 23.71 min Scan# 3476

Delta R.T. 0.01 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampleId :

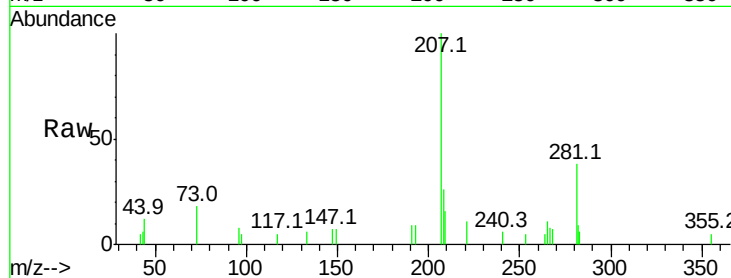
Tot Ion:149 Resp: 148

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

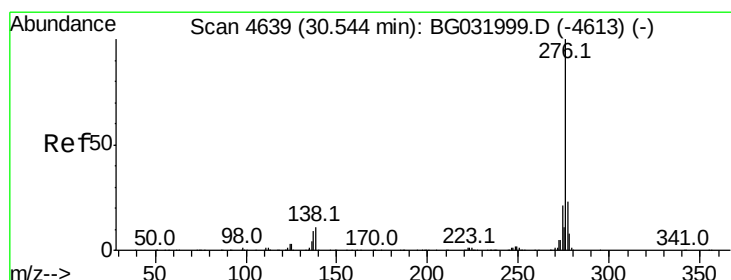
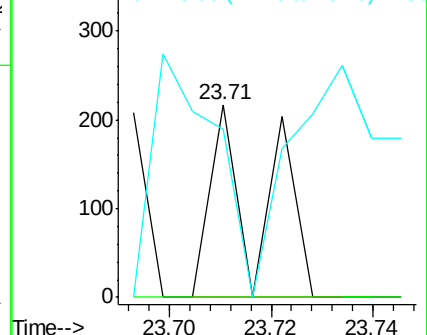
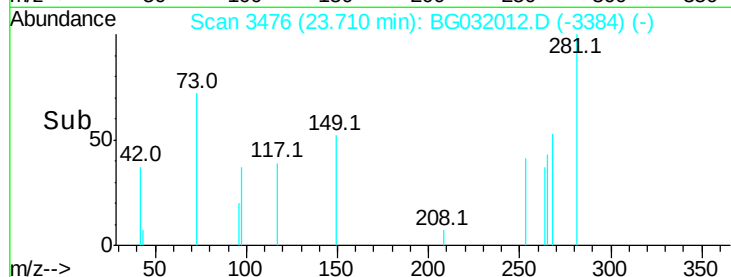
43 160.1 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 30.54 min Scan# 4639

Delta R.T. 0.00 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

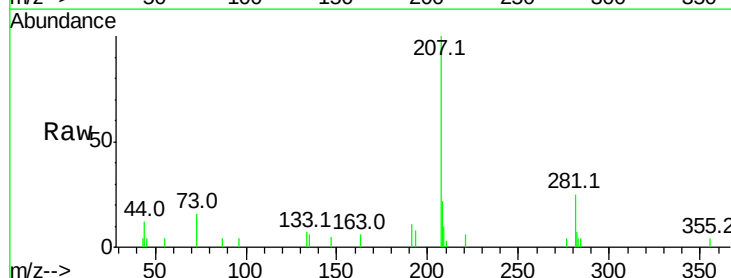
Tgt Ion:276 Resp: 64

Ion Ratio Lower Upper

276 100

138 0.0 16.0 24.0#

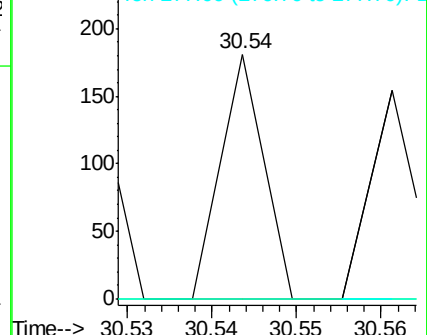
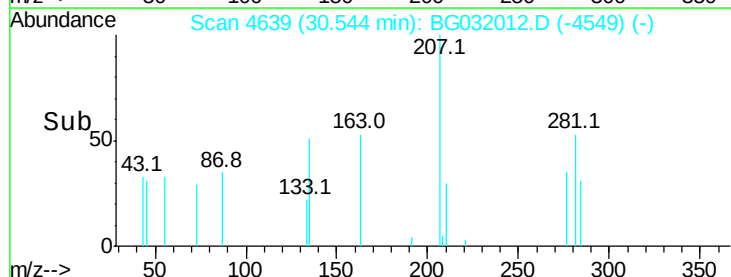
277 0.0 20.0 30.0#

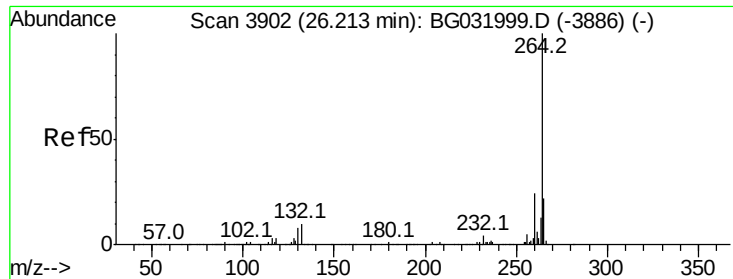


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

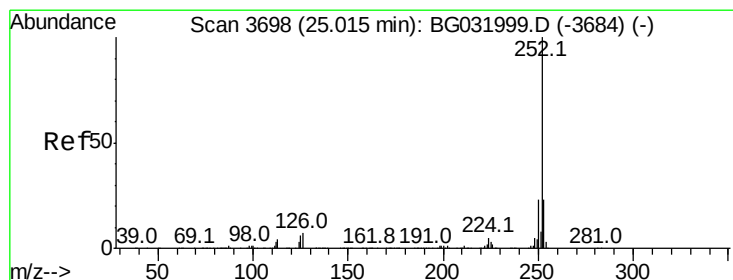
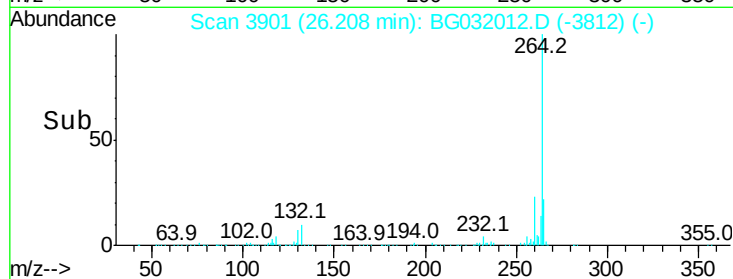
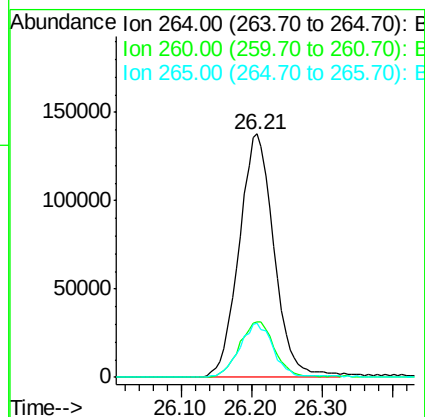
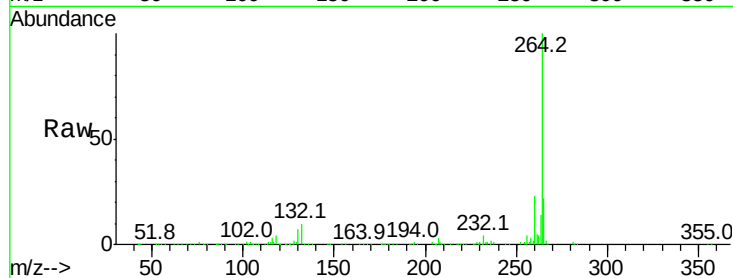




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.21 min Scan# 3901  
 Delta R.T. -0.01 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

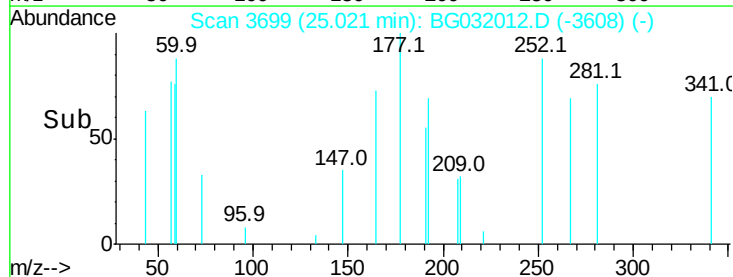
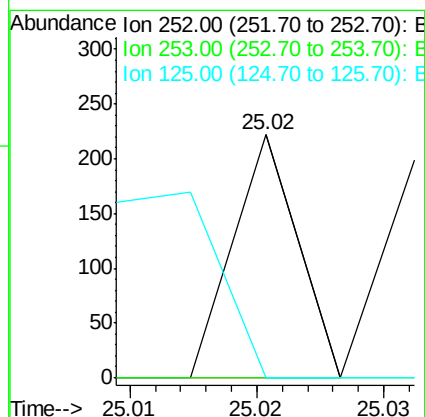
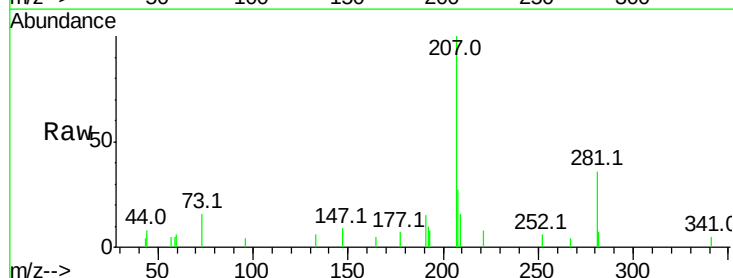
Instrument :  
 BNA\_G  
 ClientSampleId :

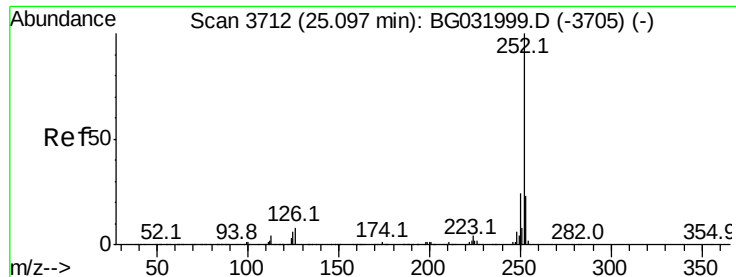
Tot Ion:264 Resp: 474393  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 17.4 26.0  
 265 22.0 17.7 26.5



#87  
 Benzo(b)fluoranthene  
 Concen: 0.003 ng  
 RT: 25.02 min Scan# 3699  
 Delta R.T. 0.01 min  
 Lab File: BG032012.D  
 Acq: 12 Jan 2018 21:16

Tgt Ion:252 Resp: 78  
 Ion Ratio Lower Upper  
 252 100  
 253 0.0 18.2 27.4#  
 125 0.0 7.2 10.8#

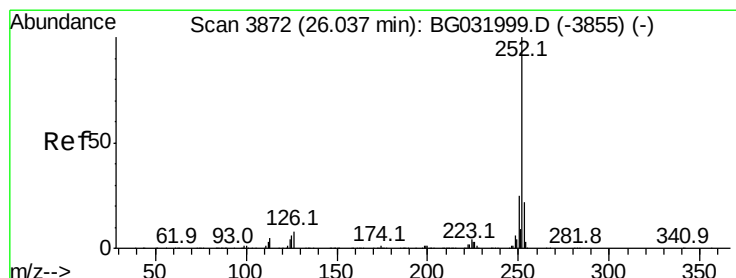
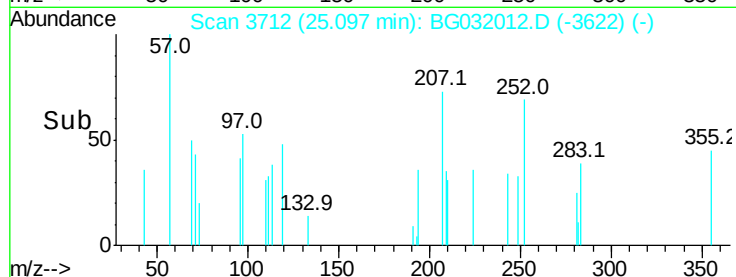
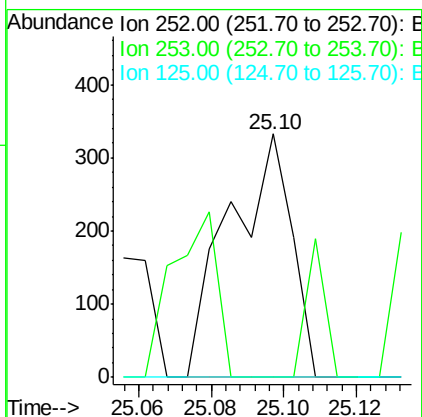
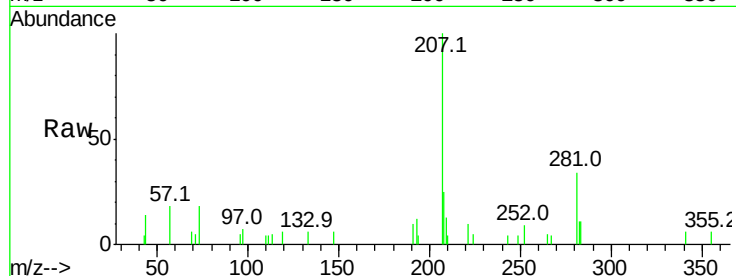




#88  
Benzo(k)fluoranthene  
Concen: 0.014 ng  
RT: 25.10 min Scan# 3712  
Delta R.T. 0.00 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

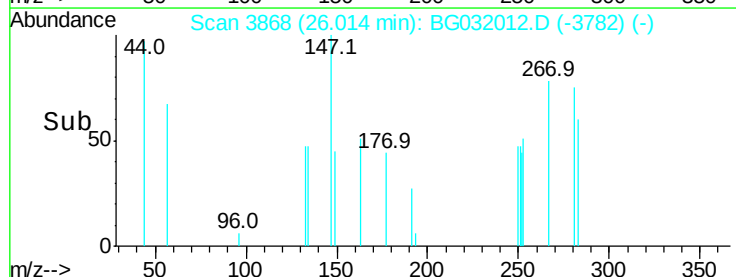
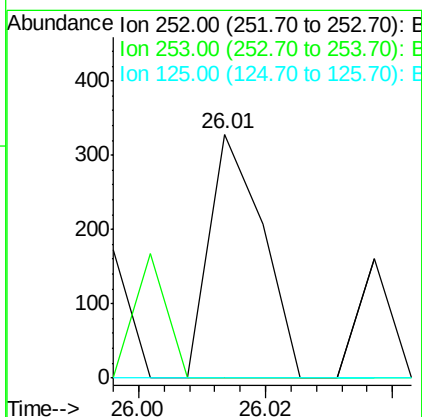
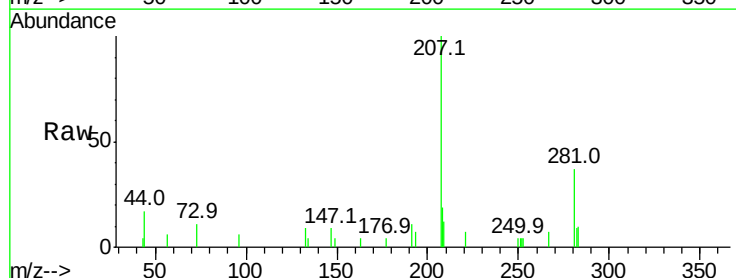
Instrument :  
BNA\_G  
ClientSampled :

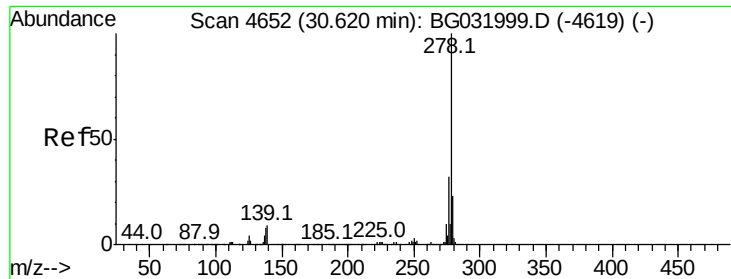
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 0.0   | 17.4  | 26.2# |
| 125     | 0.0   | 6.6   | 9.8#  |



#89  
Benzo(a)pyrene  
Concen: 0.007 ng  
RT: 26.01 min Scan# 3868  
Delta R.T. -0.02 min  
Lab File: BG032012.D  
Acq: 12 Jan 2018 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 0.0   | 18.3  | 27.5# |
| 125     | 0.0   | 7.3   | 10.9# |





#90

Dibenzo(a,h)anthracene

Concen: 0.007 ng

RT: 30.60 min Scan# 4649

Delta R.T. -0.02 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

Instrument :

BNA\_G

ClientSampled :

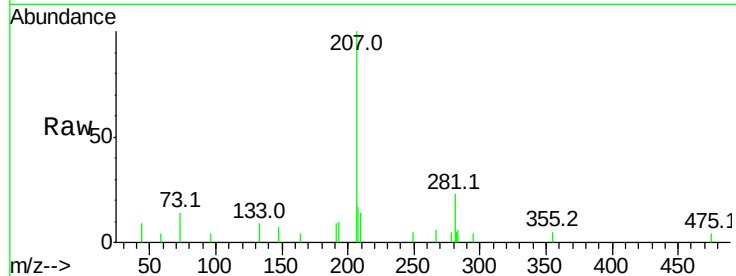
Tot Ion:278 Resp: 196

Ion Ratio Lower Upper

278 100

139 0.0 9.8 14.6#

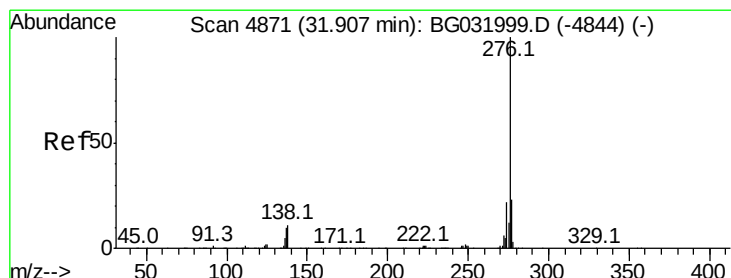
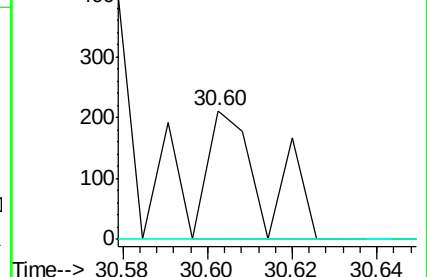
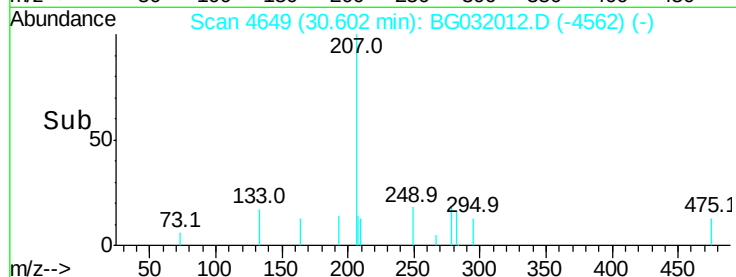
279 0.0 18.4 27.6#



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(g,h,i)perylene

Concen: 0.003 ng

RT: 31.88 min Scan# 4866

Delta R.T. -0.03 min

Lab File: BG032012.D

Acq: 12 Jan 2018 21:16

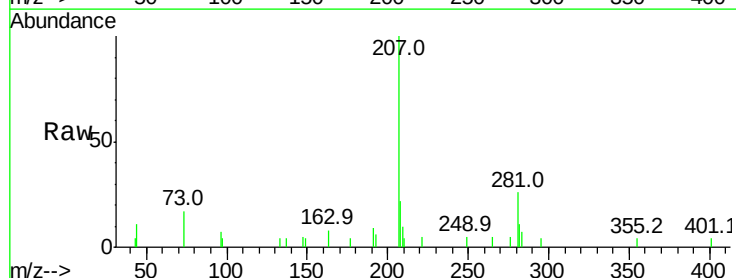
Tgt Ion:276 Resp: 74

Ion Ratio Lower Upper

276 100

277 0.0 18.3 27.5#

138 0.0 13.9 20.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

