

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG101417\  
 Data File : BG029203.D  
 Acq On : 13 Oct 2017 22:50  
 Operator : SJ/JU  
 Sample : I5772-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 14 05:45:21 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 14 05:39:31 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 83962    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.99 | 136  | 361825   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.79 | 164  | 224832   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.52 | 188  | 558344   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.79 | 240  | 549752   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.10 | 264  | 543107   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.55  | 96  | 15040   | 7.28  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 59584   | 7.39  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.48  | 67  | 177314  | 35.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.70  | 132 | 161485  | 28.41 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 117260  | 18.02 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 102307  | 39.39 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.06 | 143 | 104111  | 39.12 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.60 | 165 | 194088  | 32.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.11 | 131 | 9705    | 1.38  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.19 | 166 | 735703  | 38.27 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.48 | 160 | 872505  | 37.32 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.96 | 143 | 25898   | 7.30  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.77 | 176 | 620244  | 39.40 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 84584   | 31.04 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.62 | 188 | 1007483 | 38.15 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.89 | 212 | 1110507 | 39.02 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.87 | 264 | 976762  | 37.97 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |      | Ovalue |           |
|--------------------------------|-------|-----|------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.58  | 88  | 66   | 0.026  | ng/uL# 66 |
| 4) Benzaldehyde                | 7.30  | 77  | 204  | 0.041  | ng/ul# 4  |
| 6) Phenol                      | 7.58  | 94  | 72   | 0.009  | ng/ul# 30 |
| 8) Bis(2-Chloroethyl)ether     | 7.58  | 93  | 1175 | 0.185  | ng/ul 90  |
| 11) 2-Methylphenol             | 8.46  | 108 | 85   | 0.014  | ng/ul 96  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 60   | 0.006  | ng/ul# 72 |
| 14) Acetophenone               | 9.19  | 105 | 61   | 0.006  | ng/ul# 15 |
| 15) N-Nitroso-di-n-propylamine | 9.03  | 70  | 54   | 0.010  | ng/ul# 32 |
| 20) Nitrobenzene               | 9.33  | 77  | 936  | 0.132  | ng/ul# 48 |
| 21) Isophorone                 | 9.91  | 82  | 63   | 0.004  | ng/ul# 67 |
| 24) 2,4-Dimethylphenol         | 10.04 | 107 | 65   | 0.009  | ng/ul# 18 |
| 25) Bis(2-Chloroethoxy)methane | 10.37 | 93  | 60   | 0.007  | ng/ul# 51 |
| 27) 2,4-Dichlorophenol         | 10.59 | 162 | 240  | 0.041  | ng/ul# 1  |
| 28) Naphthalene                | 11.03 | 128 | 83   | 0.004  | ng/ul# 68 |
| 33) 4-Chloro-3-methylphenol    | 12.02 | 107 | 66   | 0.010  | ng/ul# 21 |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 57   | 0.009  | ng/ul# 23 |
| 40) 1,1'-Biphenyl              | 13.34 | 154 | 57   | 0.003  | ng/ul# 41 |
| 41) 2-Chloronaphthalene        | 13.59 | 162 | 62   | 0.004  | ng/ul# 1  |
| 42) 2-Nitroaniline             | 13.89 | 65  | 61   | 0.014  | ng/ul# 10 |
| 44) Dimethylphthalate          | 14.23 | 163 | 85   | 0.005  | ng/ul# 78 |
| 45) 2,6-Dinitrotoluene         | 14.20 | 165 | 1355 | 0.413  | ng/ul# 37 |
| 48) 3-Nitroaniline             | 14.72 | 138 | 60   | 0.017  | ng/ul# 1  |
| 49) Acenaphthene               | 14.79 | 153 | 75   | 0.005  | ng/ul# 8  |

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 QLast Update : Sat Oct 14 05:39:31 2017  
 Response via : Initial Calibration

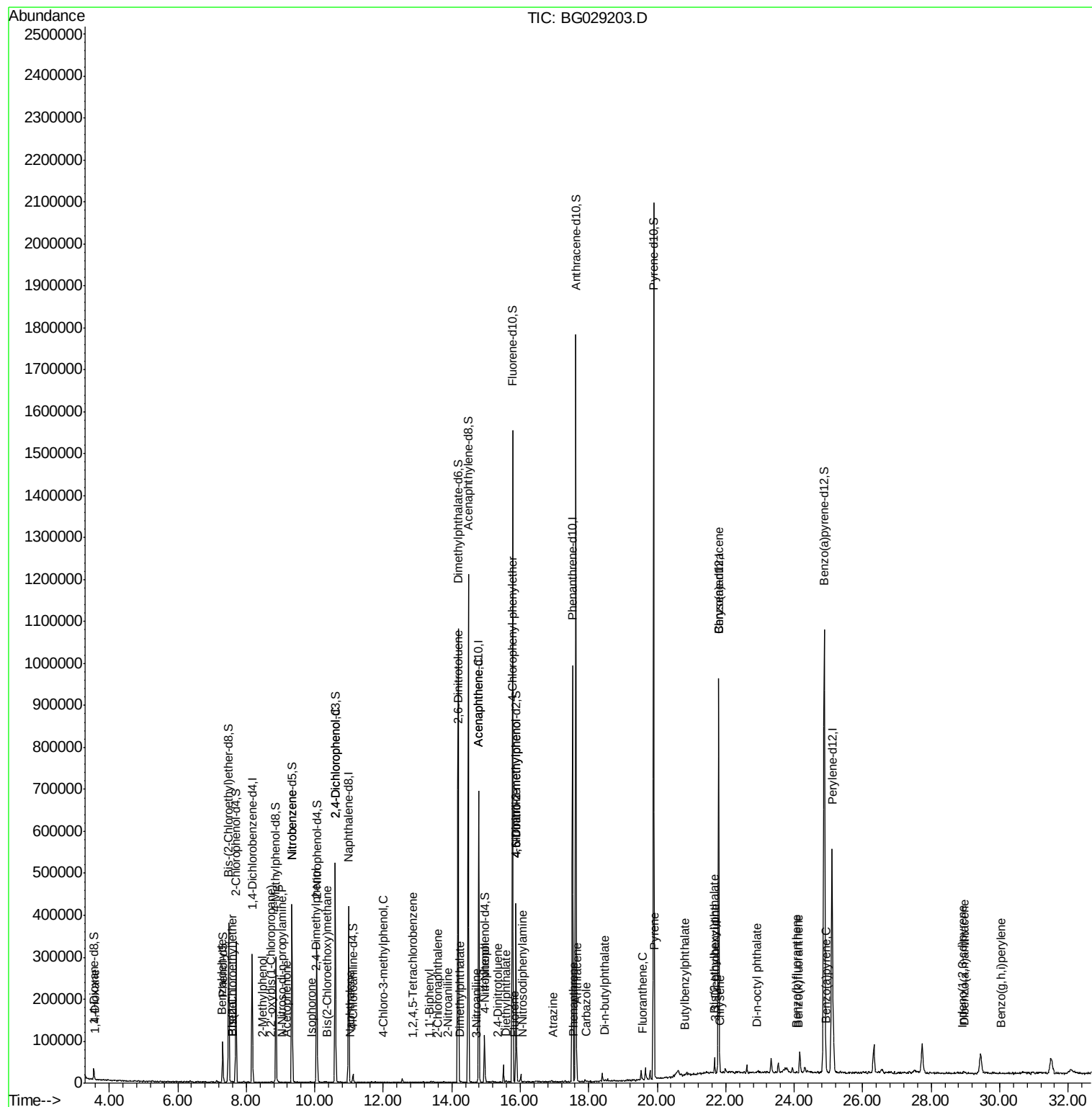
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| -----                          |       |      |          |       |        |          |
| 52) 4-Nitrophenol              | 14.97 | 109  | 68       | 0.025 | ng/ul# | 35       |
| 54) 2,4-Dinitrotoluene         | 15.34 | 165  | 61       | 0.013 | ng/ul# | 33       |
| 56) Diethylphthalate           | 15.59 | 149  | 1414     | 0.073 | ng/ul# | 95       |
| 58) Fluorene                   | 15.83 | 166  | 57       | 0.003 | ng/ul# | 8        |
| 59) 4-Chlorophenyl-phenylether | 15.76 | 204  | 55       | 0.007 | ng/ul# | 26       |
| 60) 4-Nitroaniline             | 15.88 | 138  | 1056     | 0.242 | ng/ul# | 1        |
| 63) 4,6-Dinitro-2-methylphenol | 15.89 | 198  | 288      | 0.100 | ng/ul# | 1        |
| 64) N-Nitrosodiphenylamine     | 16.05 | 169  | 56       | 0.003 | ng/ul# | 24       |
| 67) Atrazine                   | 16.97 | 200  | 69       | 0.011 | ng/ul# | 55       |
| 69) Phenanthrene               | 17.57 | 178  | 723      | 0.024 | ng/ul# | 60       |
| 71) Anthracene                 | 17.65 | 178  | 232      | 0.007 | ng/ul# | 59       |
| 72) Carbazole                  | 17.93 | 167  | 56       | 0.002 | ng/ul# | 58       |
| 73) Di-n-butylphthalate        | 18.47 | 149  | 1154     | 0.034 | ng/ul# | 77       |
| 74) Fluoranthene               | 19.56 | 202  | 1318     | 0.039 | ng/ul# | 77       |
| 77) Pyrene                     | 19.92 | 202  | 1759     | 0.048 | ng/ul# | 51       |
| 78) Butylbenzylphthalate       | 20.80 | 149  | 161      | 0.011 | ng/ul# | 42       |
| 79) 3,3'-Dichlorobenzidine     | 21.69 | 252  | 189      | 0.019 | ng/ul# | 26       |
| 80) Benzo(a)anthracene         | 21.80 | 228  | 2293     | 0.067 | ng/ul# | 36       |
| 81) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 15362    | 0.710 | ng/ul# | 86       |
| 82) Chrysene                   | 21.84 | 228  | 471      | 0.015 | ng/ul# | 82       |
| 84) Di-n-octyl phthalate       | 22.91 | 149  | 307      | 0.008 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 24.05 | 252  | 207      | 0.006 | ng/ul# | 61       |
| 86) Benzo(k)fluoranthene       | 24.12 | 252  | 236      | 0.007 | ng/ul# | 31       |
| 88) Benzo(a)pyrene             | 24.94 | 252  | 197      | 0.006 | ng/ul# | 6        |
| 89) Indeno(1,2,3-cd)pyrene     | 28.90 | 276  | 59       | 0.002 | ng/ul# | 56       |
| 90) Dibenzo(a,h)anthracene     | 28.95 | 278  | 121      | 0.004 | ng/ul# | 58       |
| 91) Benzo(g,h,i)perylene       | 30.04 | 276  | 57       | 0.002 | ng/ul# | 58       |
| -----                          |       |      |          |       |        |          |

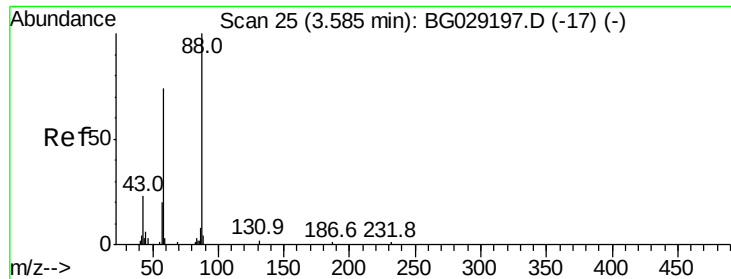
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.026 ng/uL

RT: 3.58 min Scan# 50

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampled :

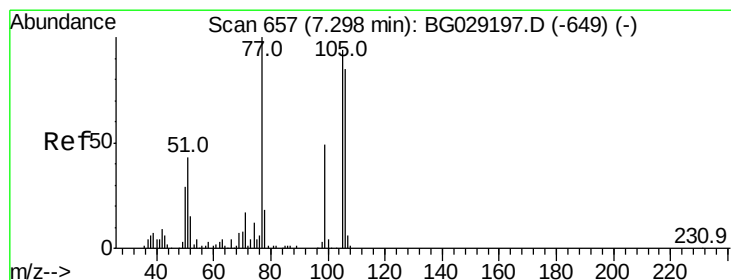
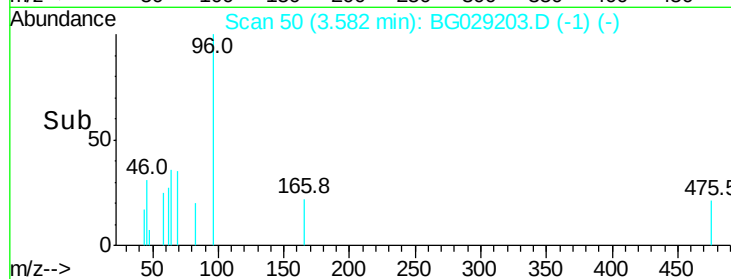
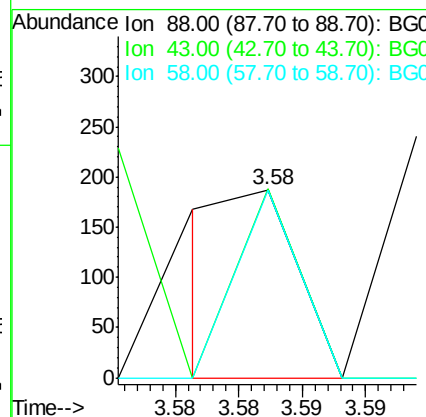
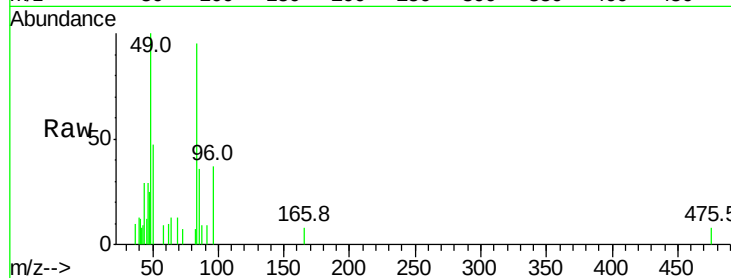
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 100.5 35.0 52.6#

58 100.0 74.0 111.0



#4

Benzaldehyde

Concen: 0.041 ng/uL

RT: 7.30 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

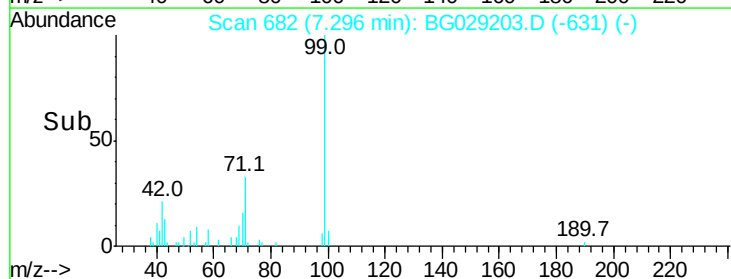
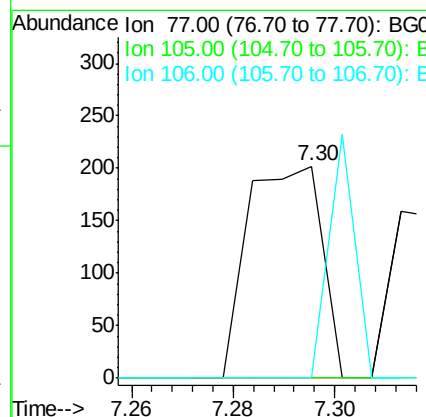
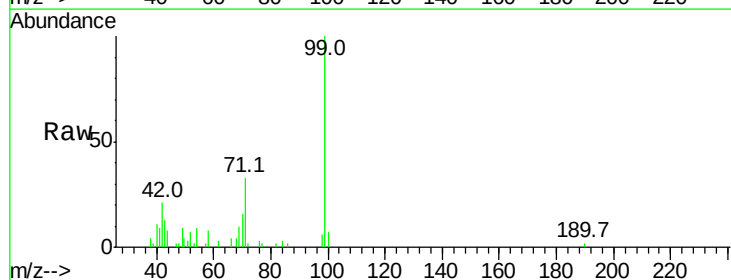
Tgt Ion: 77 Resp: 204

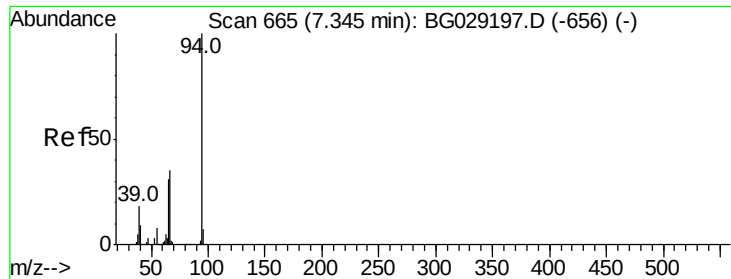
Ion Ratio Lower Upper

77 100

105 0.0 70.5 105.7#

106 0.0 74.1 111.1#





#6

Phenol

Concen: 0.009 ng/ul

RT: 7.58 min Scan# 731

Delta R.T. 0.24 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

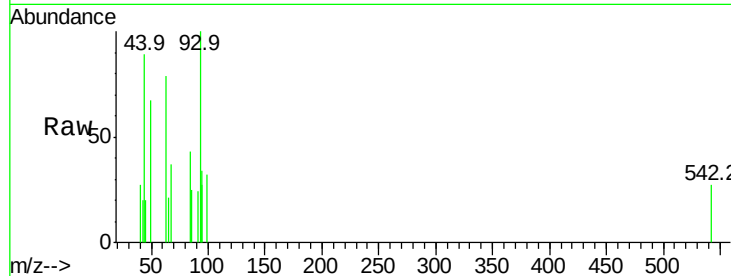
Tot Ion: 94 Resp: 72

Ion Ratio Lower Upper

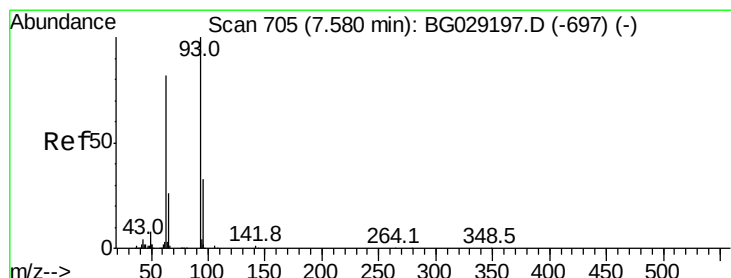
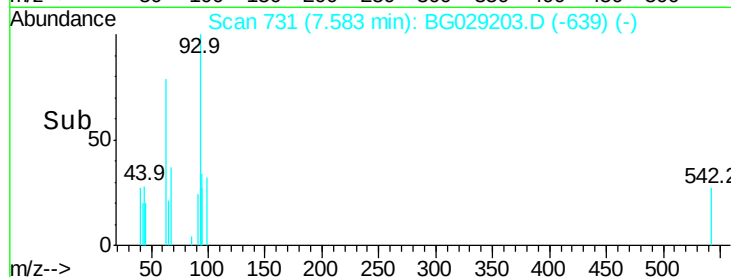
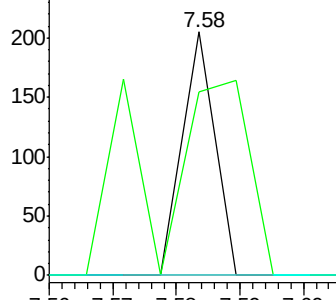
94 100

65 75.6 27.1 40.7#

66 0.0 34.6 52.0#



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



#8

Bis(2-Chloroethyl)ether

Concen: 0.185 ng/ul

RT: 7.58 min Scan# 731

Delta R.T. 0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

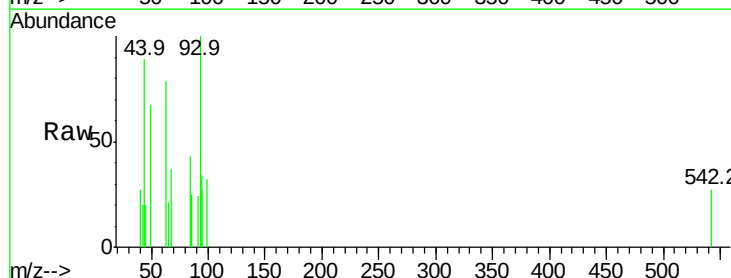
Tgt Ion: 93 Resp: 1175

Ion Ratio Lower Upper

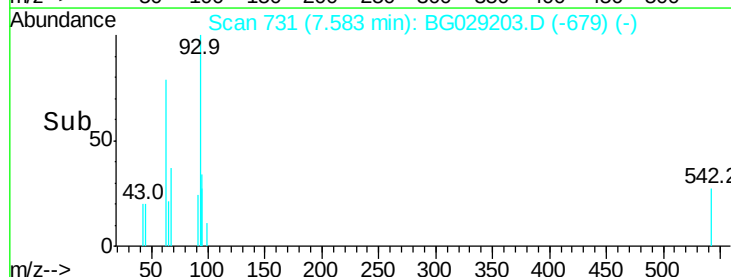
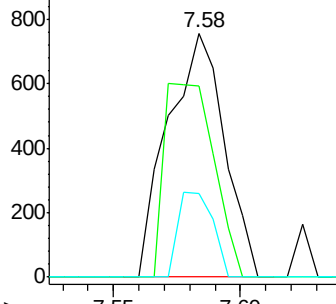
93 100

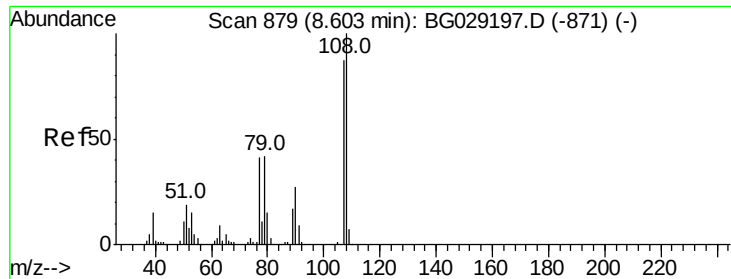
63 78.7 71.8 107.8

95 34.1 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC





#11

2-Methylphenol

Concen: 0.014 ng/ul

RT: 8.46 min Scan# 881

Delta R.T. -0.14 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

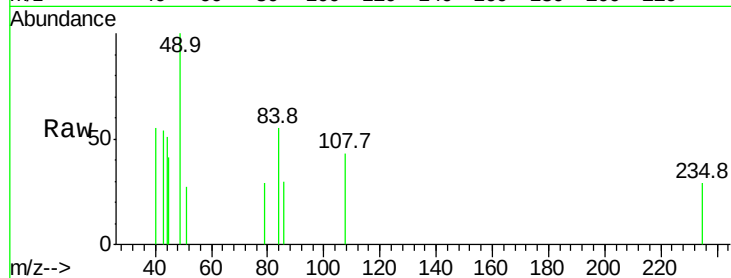
ClientSampled :

Tot Ion: 108 Resp: 85

Ion Ratio Lower Upper

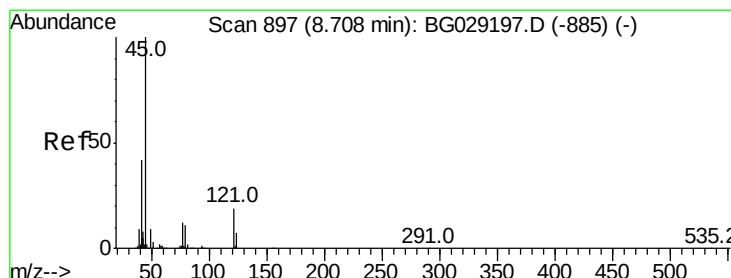
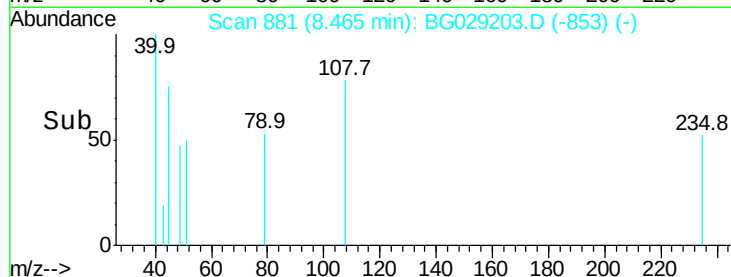
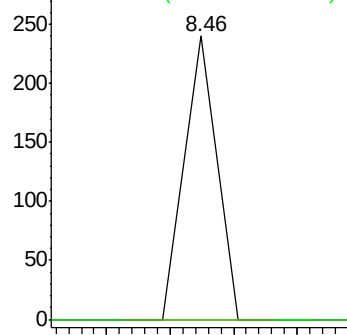
108 100

107 100.0 76.7 115.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.006 ng/ul

RT: 8.72 min Scan# 924

Delta R.T. 0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

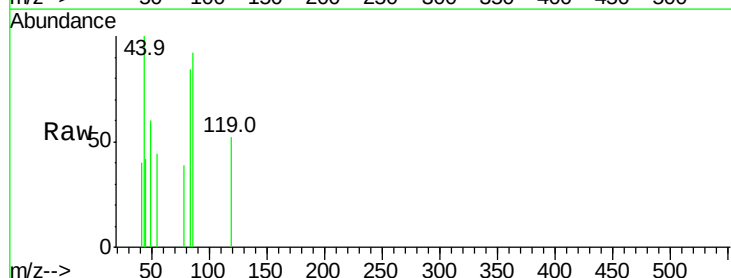
Tgt Ion: 45 Resp: 60

Ion Ratio Lower Upper

45 100

77 0.0 9.5 14.3#

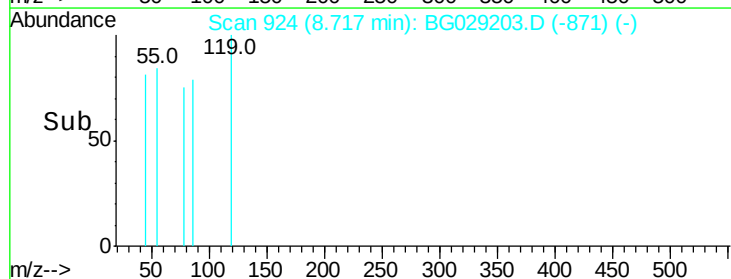
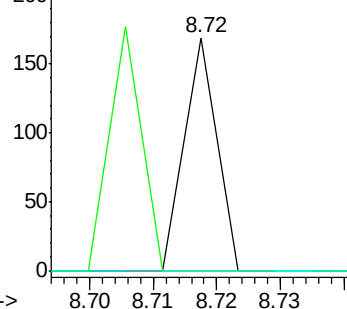
79 0.0 6.8 10.2#

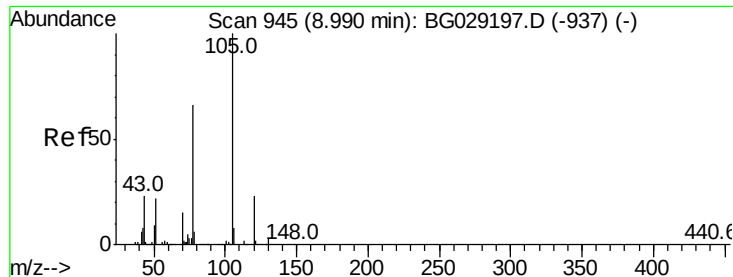


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#14

Acetophenone

Concen: 0.006 ng/ul

RT: 9.19 min Scan# 1004

Delta R.T. 0.20 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

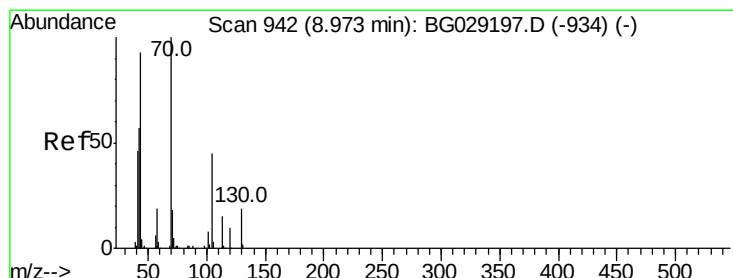
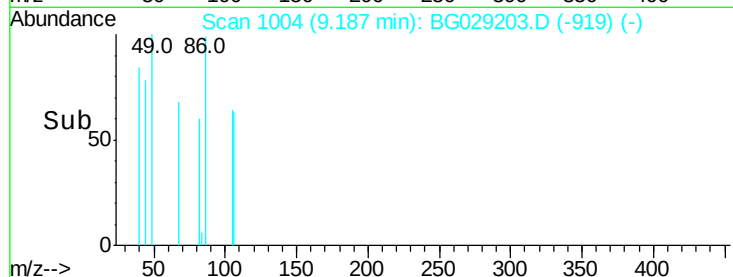
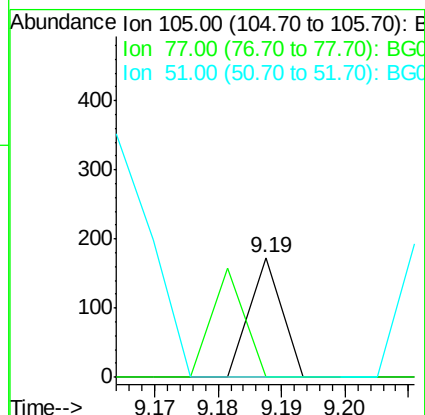
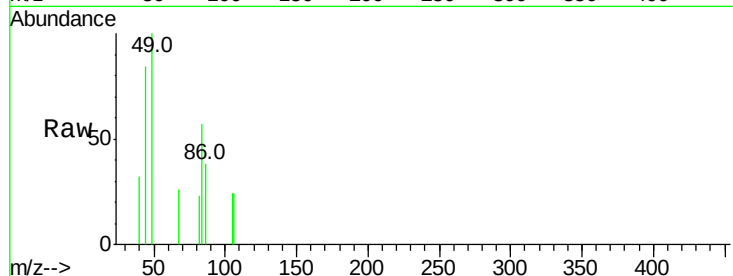
Instrument :

BNA\_G

ClientSampled :

Tot Ion:105 Resp: 61

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 105 | 100   |       |        |
| 77  | 0.0   | 70.2  | 105.2# |
| 51  | 0.0   | 24.6  | 36.8#  |



#15

N-Nitroso-di-n-propylamine

Concen: 0.010 ng/ul

RT: 9.03 min Scan# 978

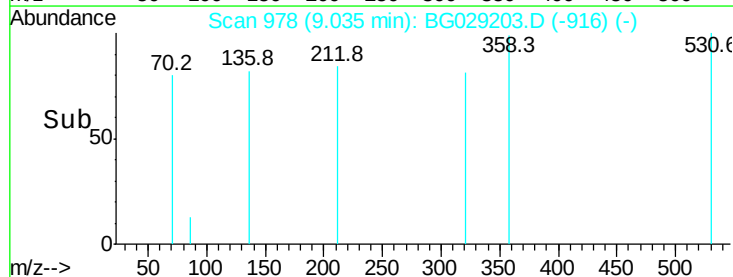
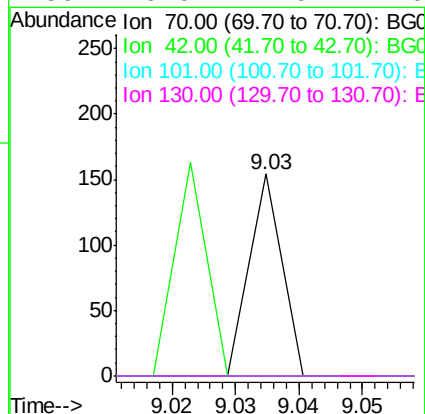
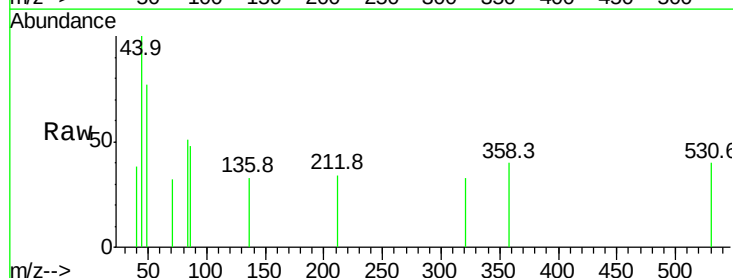
Delta R.T. 0.06 min

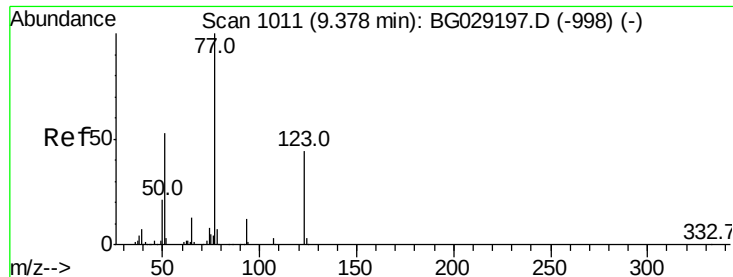
Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Tgt Ion: 70 Resp: 54

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 0.0   | 51.7  | 77.5# |
| 101 | 0.0   | 7.6   | 11.4# |
| 130 | 0.0   | 14.6  | 22.0# |





#20

Nitrobenzene

Concen: 0.132 ng/ul

RT: 9.33 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

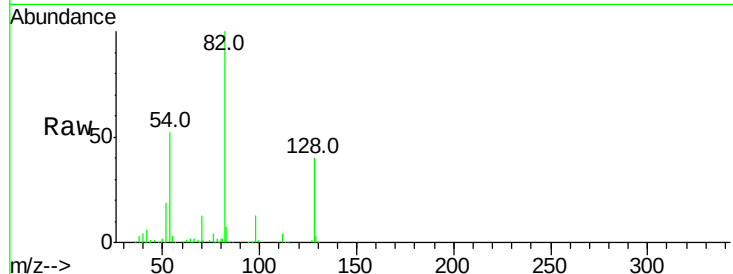
Tot Ion: 77 Resp: 936

Ion Ratio Lower Upper

77 100

123 0.0 28.6 43.0#

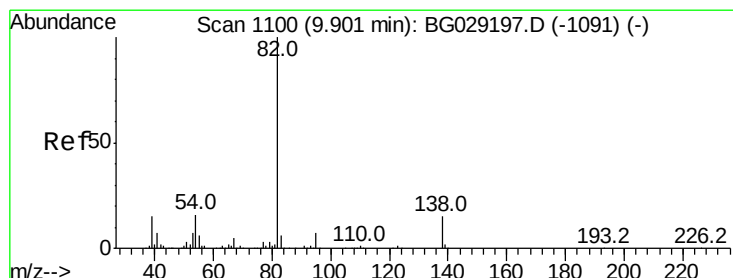
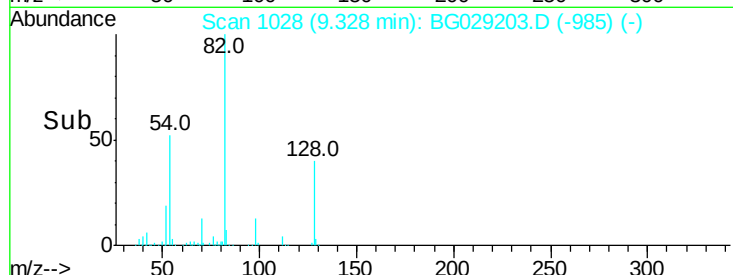
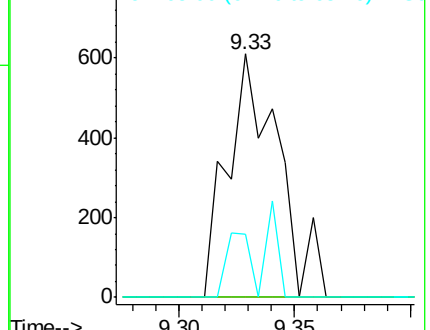
65 26.1 11.2 16.8#



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



#21

Isophorone

Concen: 0.004 ng/ul

RT: 9.91 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

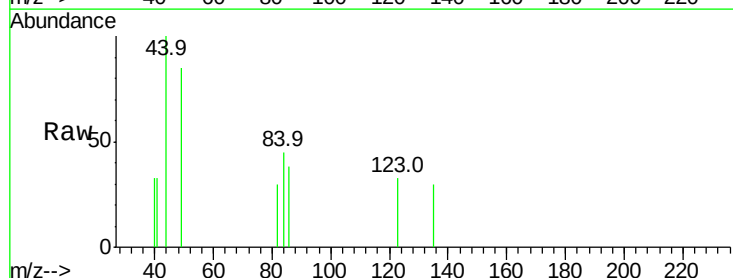
Tgt Ion: 82 Resp: 63

Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

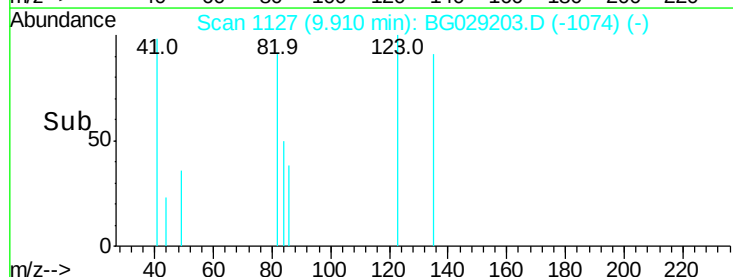
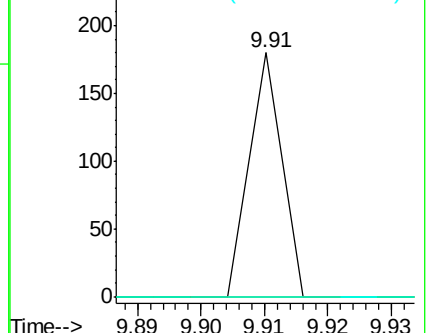
138 0.0 13.3 19.9#



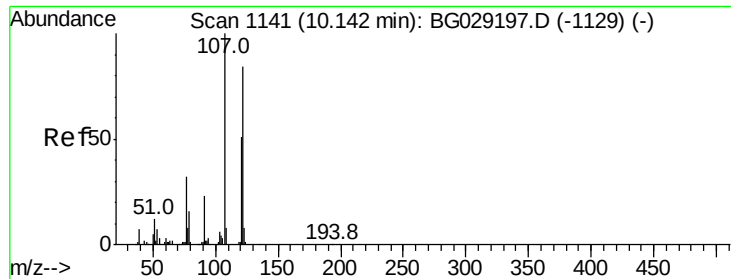
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC







#24

2,4-Dimethylphenol

Concen: 0.009 ng/ul

RT: 10.04 min Scan# 1149

Delta R.T. -0.10 min

Lab File: BG029203.D

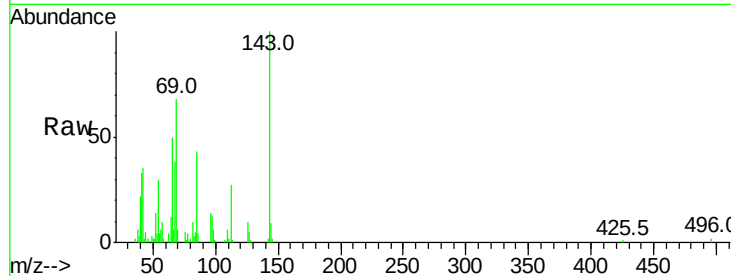
Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

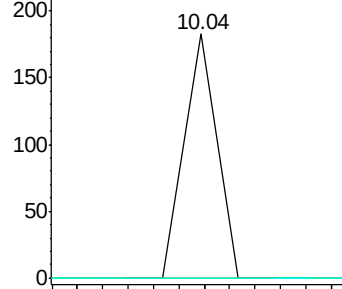
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 65    |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 121      | 0.0   | 33.8  | 50.6# |
| 122      | 0.0   | 62.8  | 94.2# |



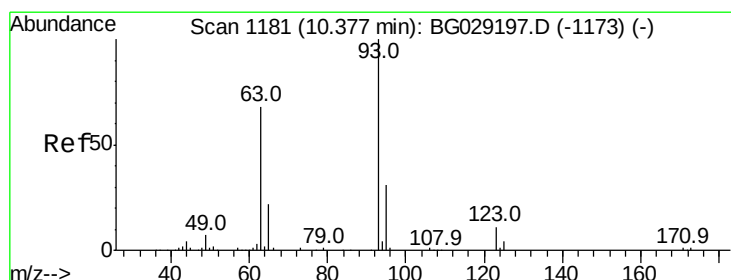
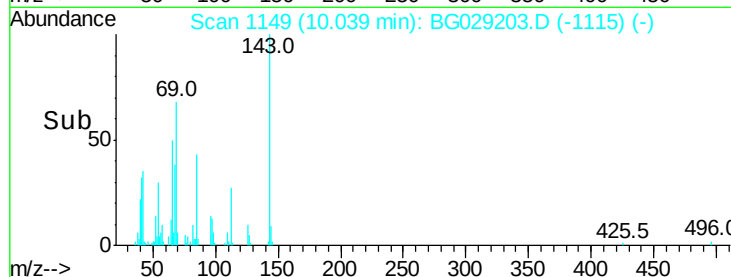
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#25

Bis(2-Chloroethoxy)methane

Concen: 0.007 ng/ul

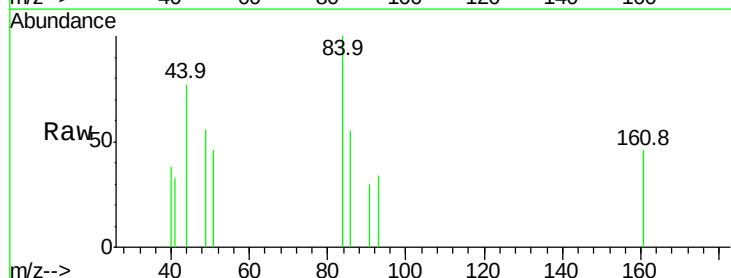
RT: 10.37 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

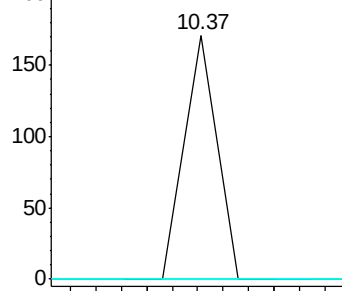
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 60    |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 0.0   | 24.7  | 37.1# |
| 123      | 0.0   | 7.5   | 11.3# |



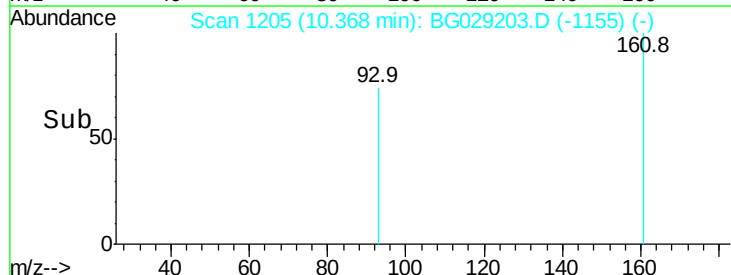
Abundance Ion 93.00 (92.70 to 93.70): BGC

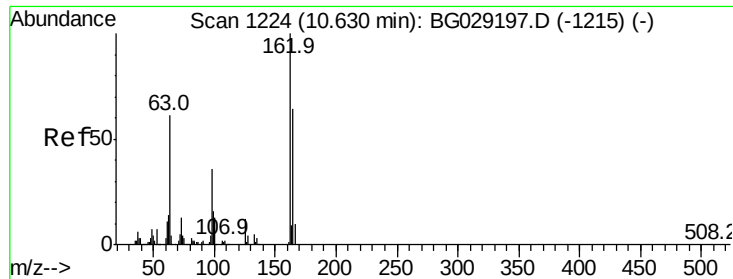
Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E



Time-->





#27

2,4-Dichlorophenol

Concen: 0.041 ng/ul

RT: 10.59 min Scan# 1243

Delta R.T. -0.04 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

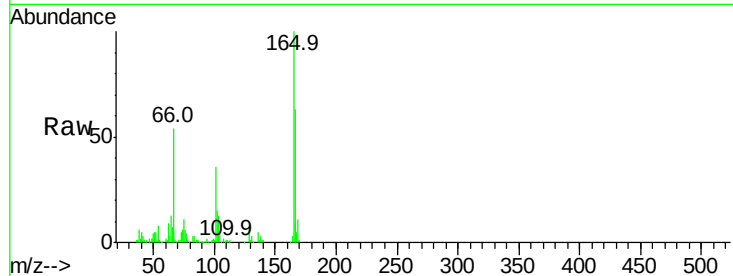
Tot Ion:162 Resp: 240

Ion Ratio Lower Upper

162 100

164 650.0 49.7 74.5#

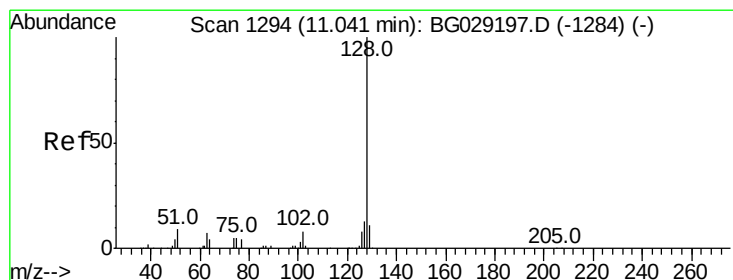
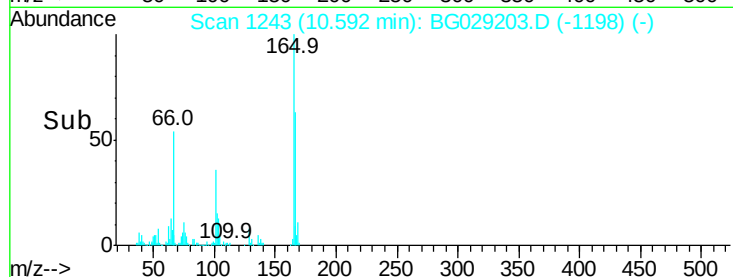
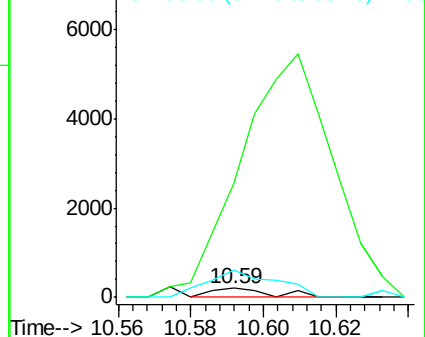
98 158.6 26.6 40.0#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#28

Naphthalene

Concen: 0.004 ng/ul

RT: 11.03 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

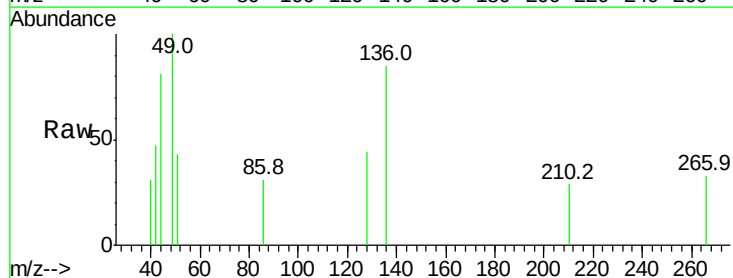
Tgt Ion:128 Resp: 83

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

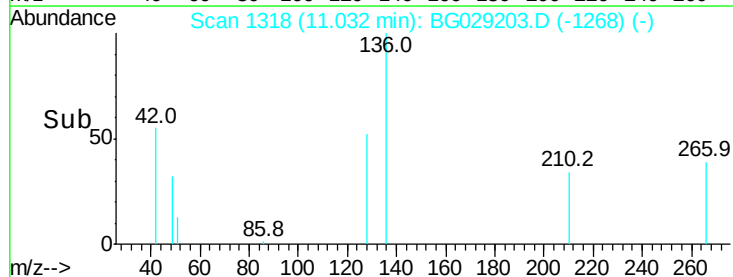
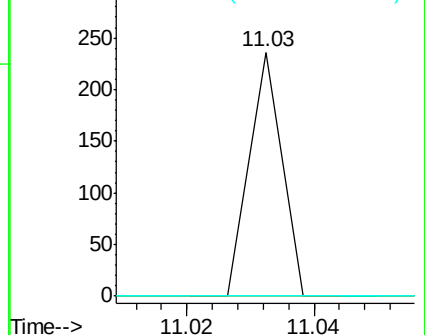
127 0.0 10.7 16.1#

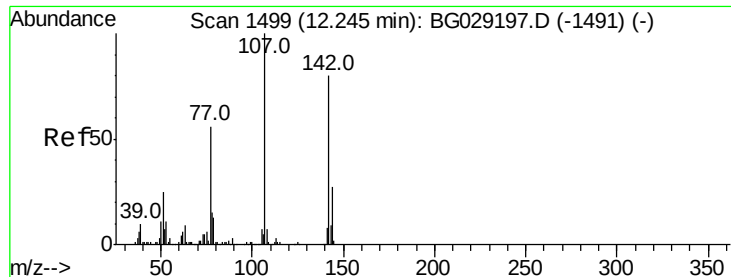


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

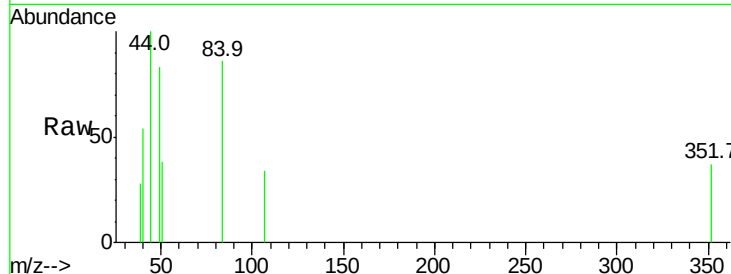




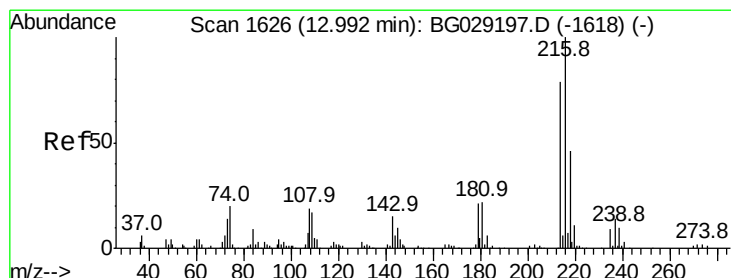
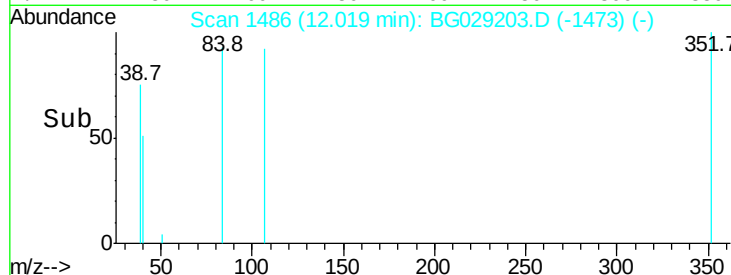
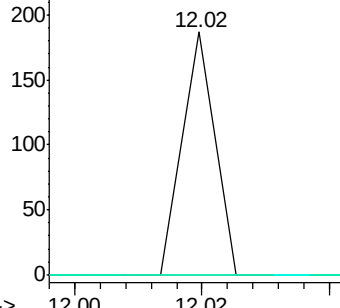
#33  
 4-Chloro-3-methylphenol  
 Concen: 0.010 ng/ul  
 RT: 12.02 min Scan# 1486  
 Delta R.T. -0.23 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 0.0   | 18.0  | 27.0# |
| 142     | 0.0   | 60.5  | 90.7# |



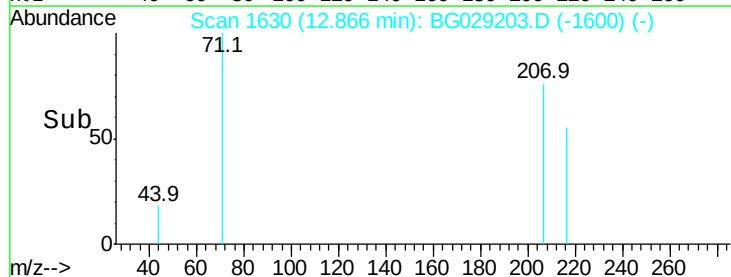
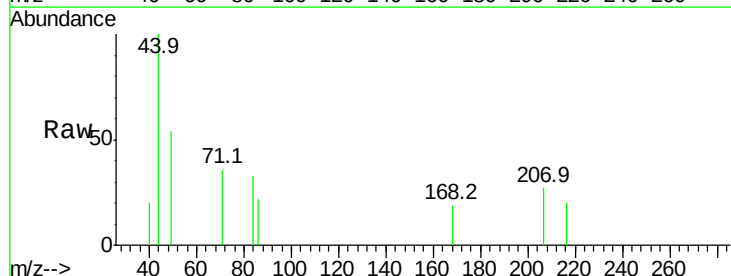
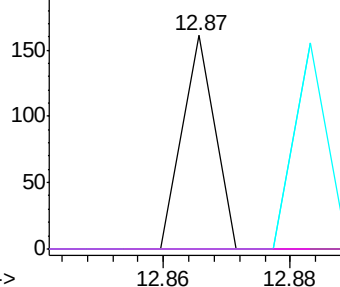
Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

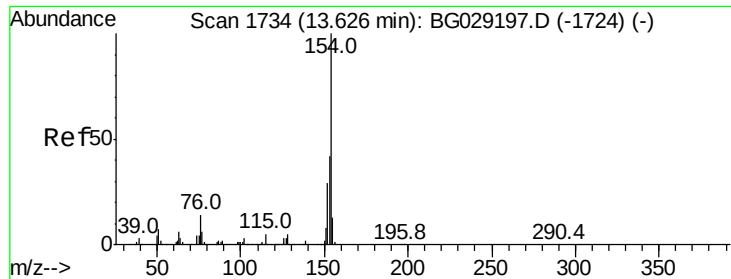


#36  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 0.009 ng/ul  
 RT: 12.87 min Scan# 1630  
 Delta R.T. -0.13 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 216     | 100   |       |        |
| 214     | 0.0   | 66.7  | 100.1# |
| 179     | 0.0   | 19.4  | 29.2#  |
| 108     | 0.0   | 12.5  | 18.7#  |

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

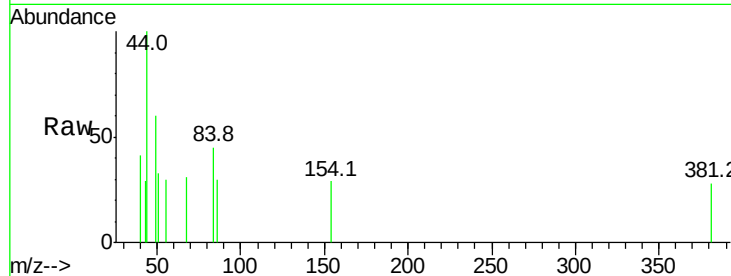




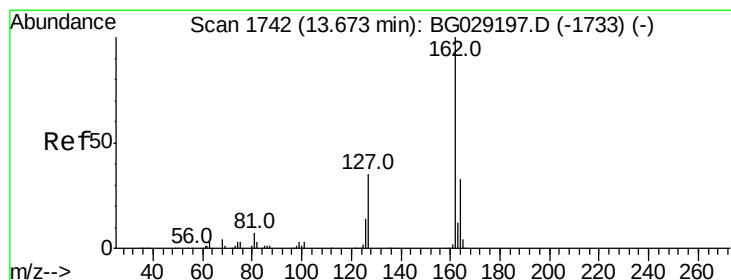
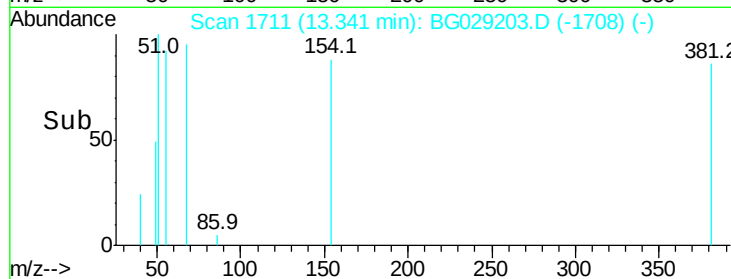
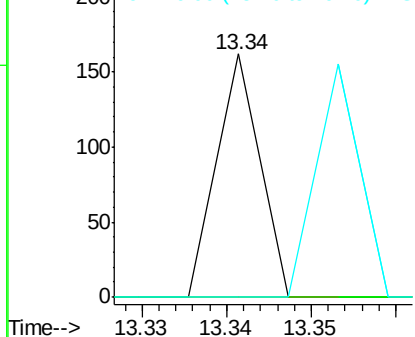
#40  
 1,1'-Biphenyl  
 Concen: 0.003 ng/ul  
 RT: 13.34 min Scan# 1711  
 Delta R.T. -0.28 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:154 Resp: 57  
 Ion Ratio Lower Upper  
 154 100  
 153 0.0 34.6 52.0#  
 76 0.0 10.6 15.8#

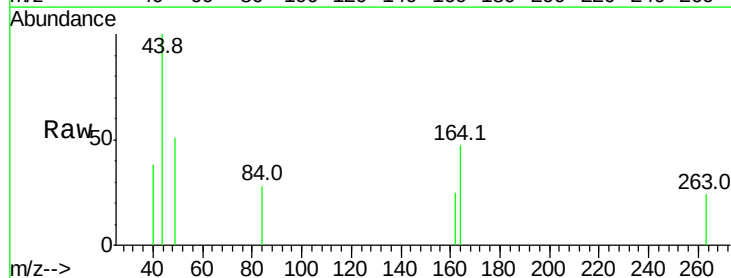


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): B

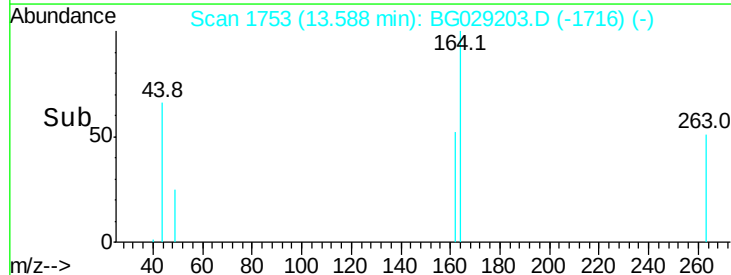
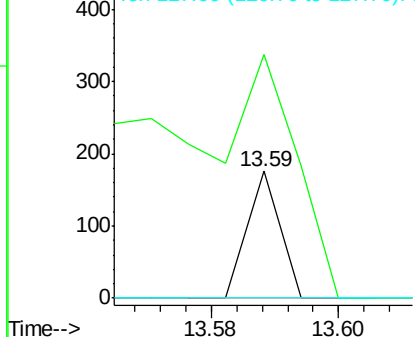


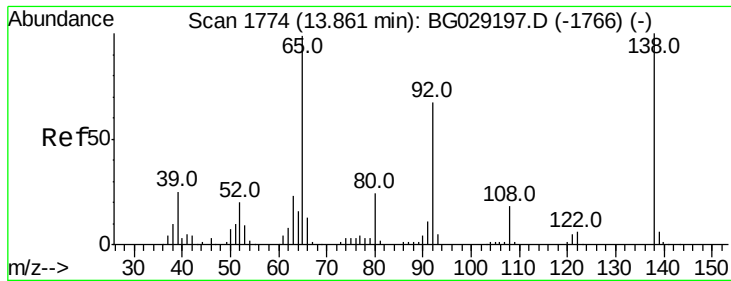
#41  
 2-Chloronaphthalene  
 Concen: 0.004 ng/ul  
 RT: 13.59 min Scan# 1753  
 Delta R.T. -0.08 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Tgt Ion:162 Resp: 62  
 Ion Ratio Lower Upper  
 162 100  
 164 191.5 25.0 37.6#  
 127 0.0 30.6 46.0#



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





#42

2-Nitroaniline

Concen: 0.014 ng/ul

RT: 13.89 min Scan# 1804

Delta R.T. 0.03 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

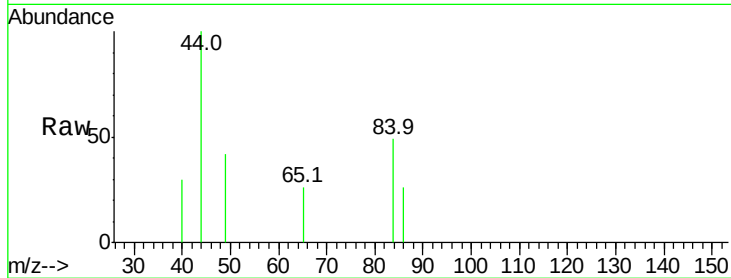
Tot Ion: 65 Resp: 61

Ion Ratio Lower Upper

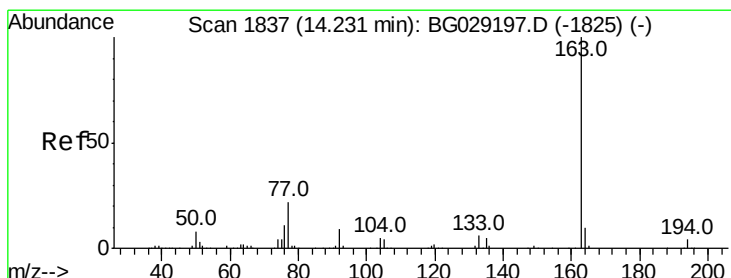
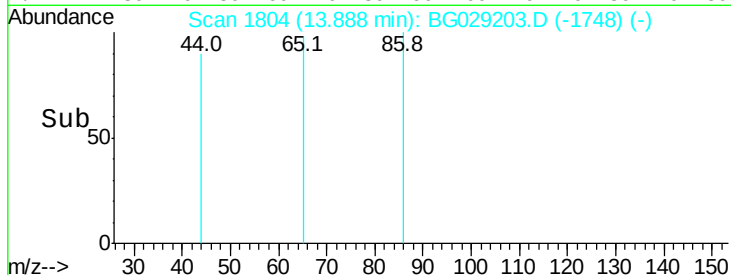
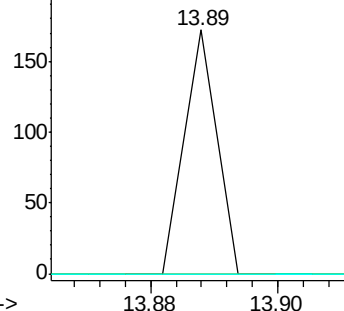
65 100

92 0.0 55.3 82.9#

138 0.0 70.3 105.5#



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): BGC



#44

Dimethylphthalate

Concen: 0.005 ng/ul

RT: 14.23 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

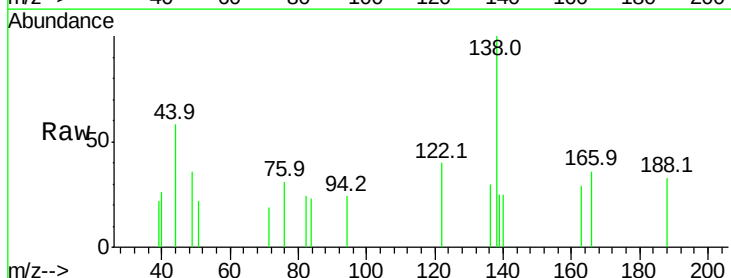
Tgt Ion: 163 Resp: 85

Ion Ratio Lower Upper

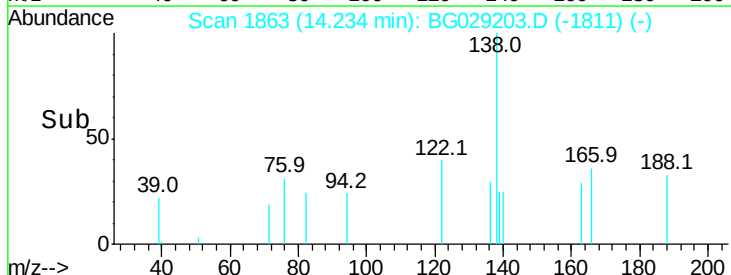
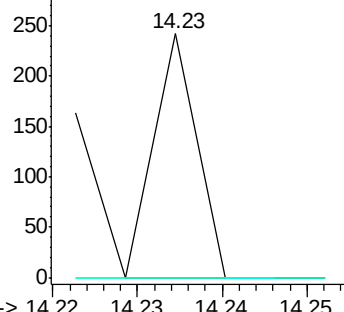
163 100

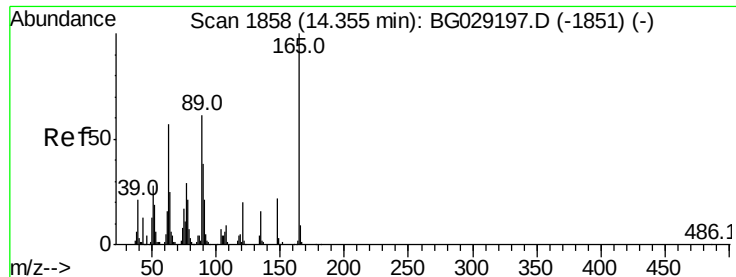
194 0.0 3.5 5.3#

164 0.0 7.6 11.4#



Abundance Ion 163.00 (162.70 to 163.70): BGC  
Ion 194.00 (193.70 to 194.70): BGC  
Ion 164.00 (163.70 to 164.70): BGC

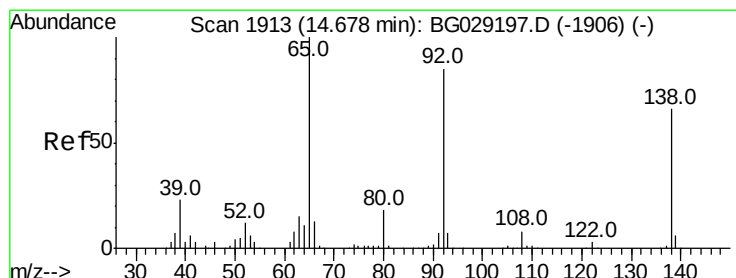
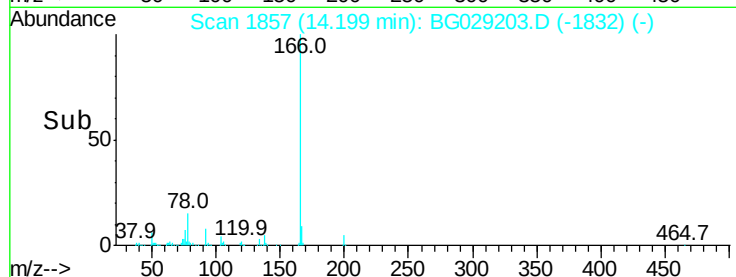
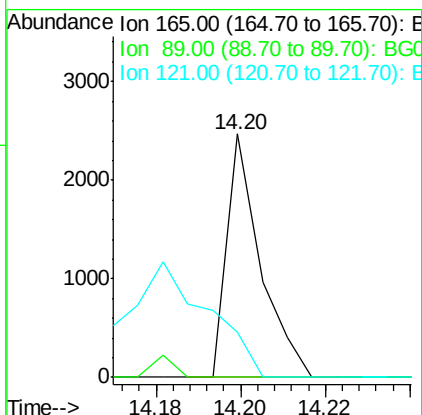
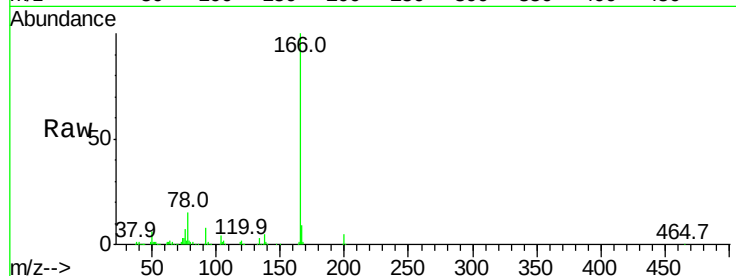




#45  
 2,6-Dinitrotoluene  
 Concen: 0.413 ng/ul  
 RT: 14.20 min Scan# 1857  
 Delta R.T. -0.16 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

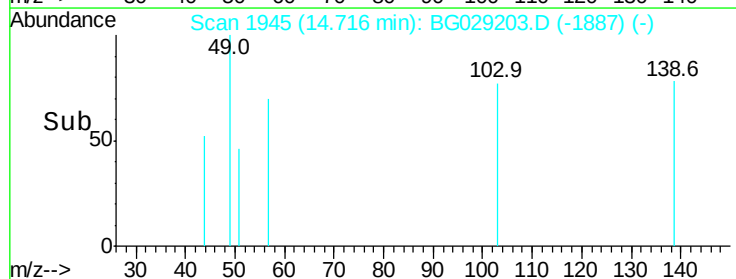
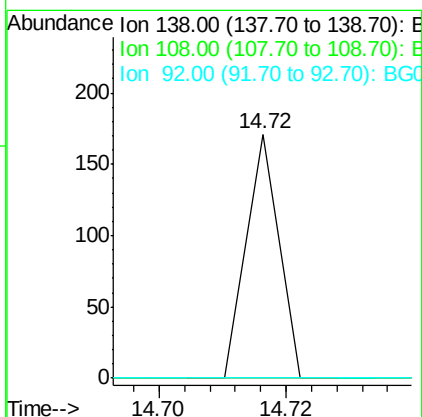
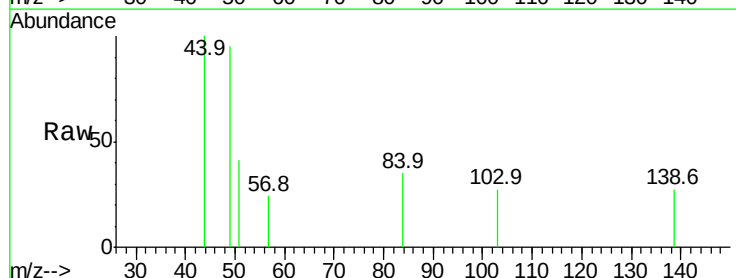
Instrument :  
 BNA\_G  
 ClientSampleId :

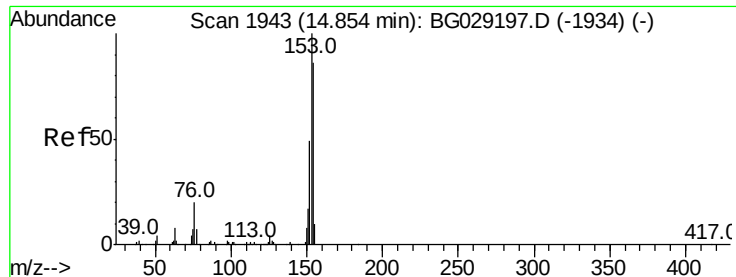
Tot Ion:165 Resp: 1355  
 Ion Ratio Lower Upper  
 165 100  
 89 0.0 51.1 76.7#  
 121 18.6 17.2 25.8



#48  
 3-Nitroaniline  
 Concen: 0.017 ng/ul  
 RT: 14.72 min Scan# 1945  
 Delta R.T. 0.04 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Tgt Ion:138 Resp: 60  
 Ion Ratio Lower Upper  
 138 100  
 108 0.0 10.5 15.7#  
 92 0.0 107.8 161.8#





#49

Acenaphthene

Concen: 0.005 ng/ul

RT: 14.79 min Scan# 1957

Delta R.T. -0.07 min

Lab File: BG029203.D

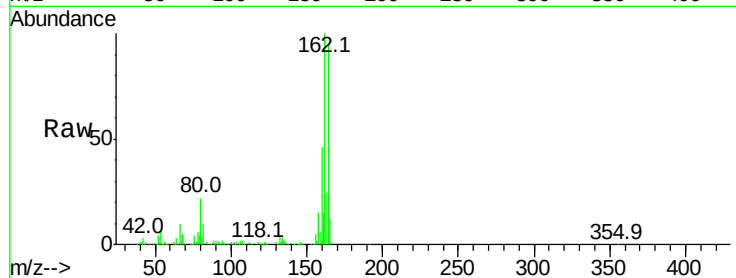
Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

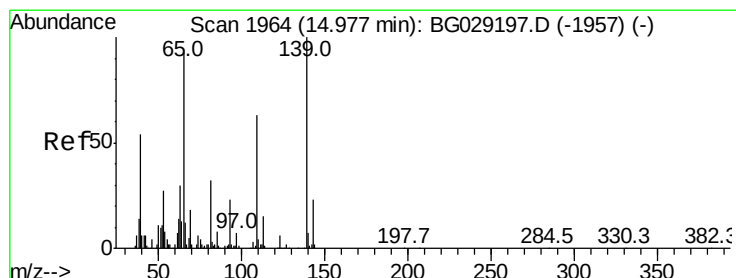
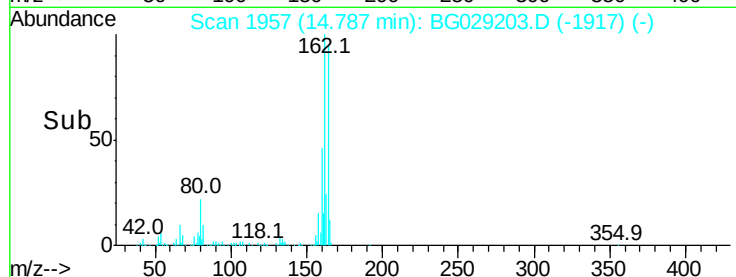
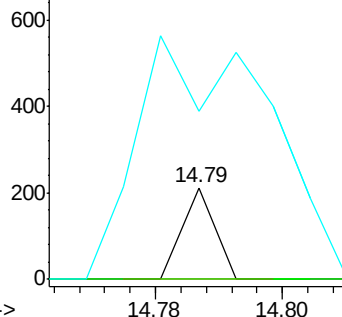
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 153     | 100   |       |        |
| 152     | 0.0   | 38.2  | 57.2#  |
| 154     | 184.0 | 70.6  | 105.8# |



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 0.025 ng/ul

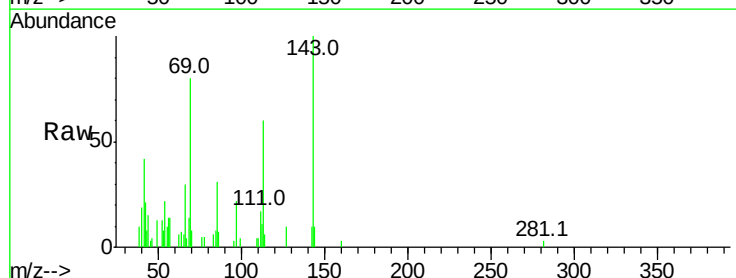
RT: 14.97 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

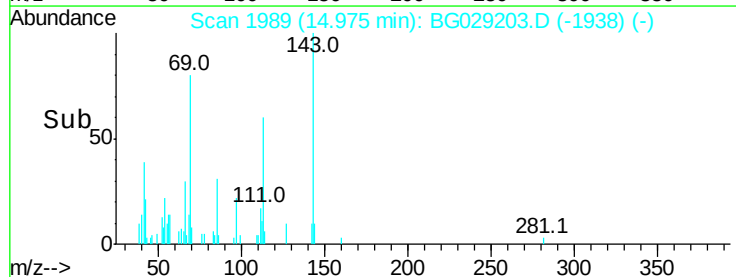
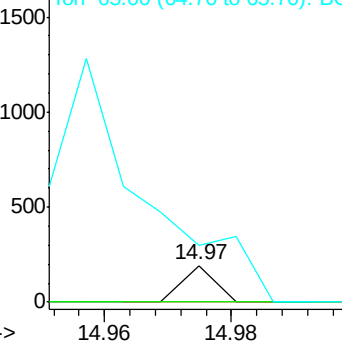
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 109     | 100   |       |        |
| 139     | 0.0   | 89.5  | 134.3# |
| 65      | 154.4 | 98.3  | 147.5# |

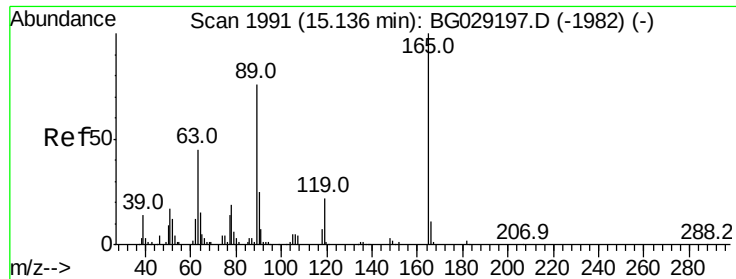


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BG

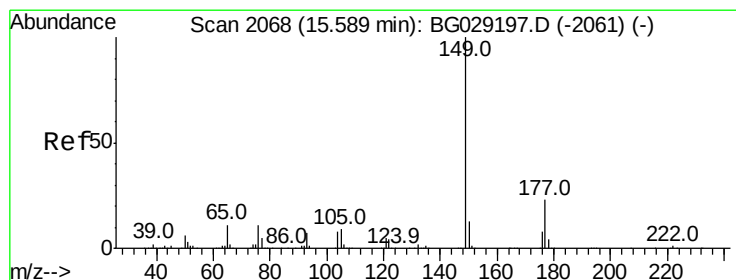
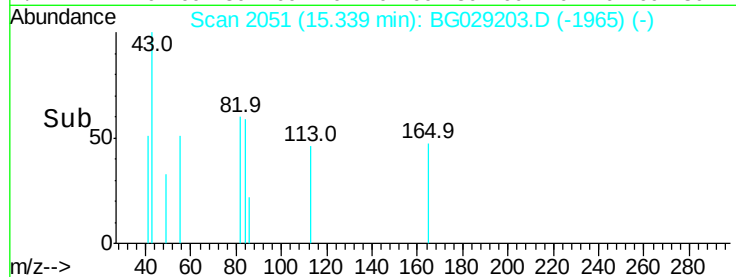
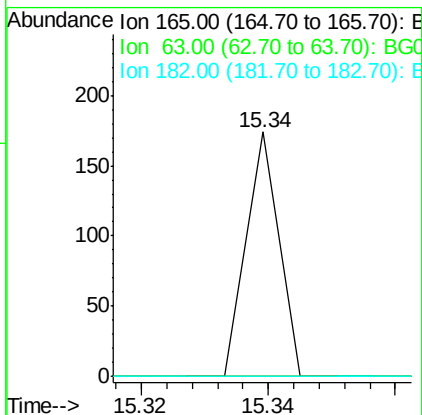
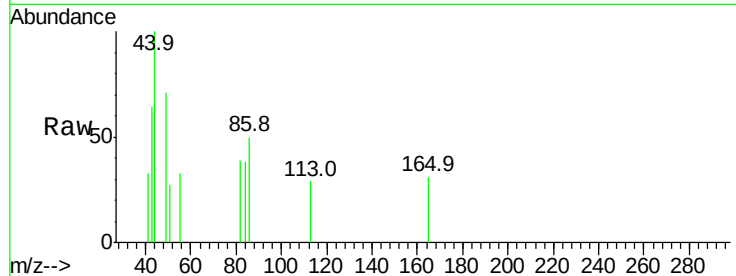




#54  
 2,4-Dinitrotoluene  
 Concen: 0.013 ng/ul  
 RT: 15.34 min Scan# 2051  
 Delta R.T. 0.20 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

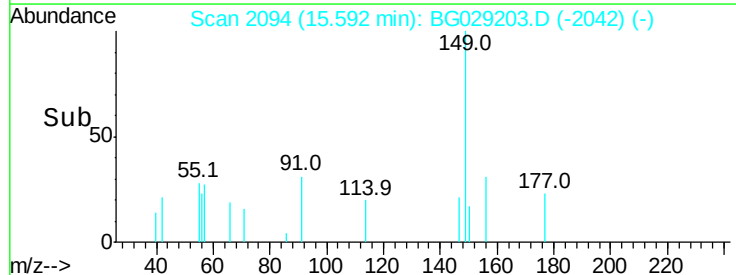
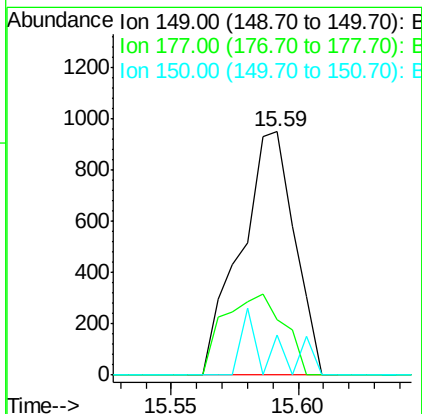
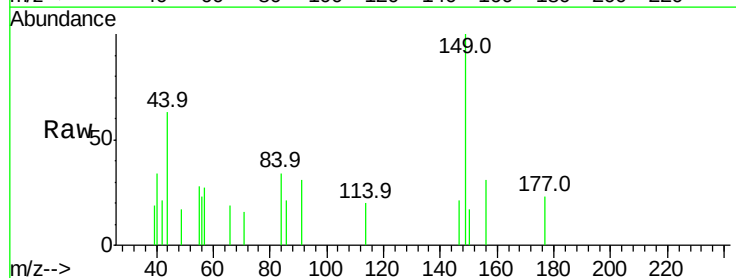
Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:165 Resp: 61  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 38.2 57.4#  
 182 0.0 2.3 3.5#

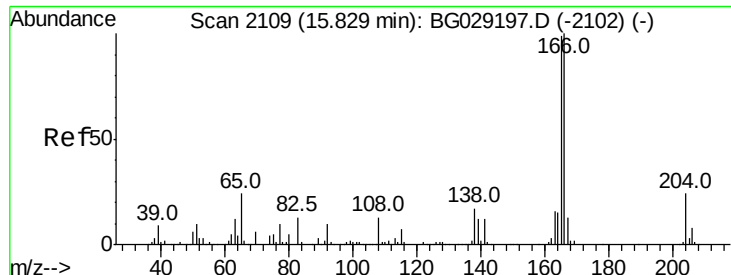


#56  
 Diethylphthalate  
 Concen: 0.073 ng/ul  
 RT: 15.59 min Scan# 2094  
 Delta R.T. 0.00 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Tgt Ion:149 Resp: 1414  
 Ion Ratio Lower Upper  
 149 100  
 177 22.8 17.8 26.6  
 150 16.5 9.8 14.8#







#58

Fluorene

Concen: 0.003 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

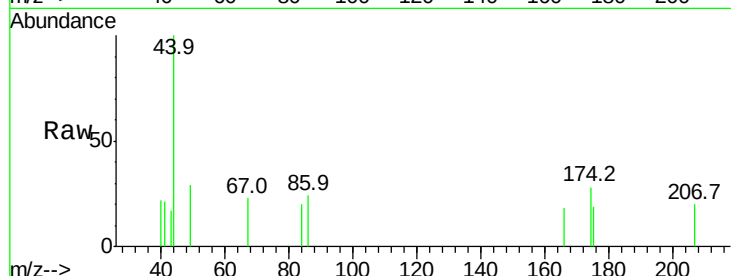
Tot Ion:166 Resp: 57

Ion Ratio Lower Upper

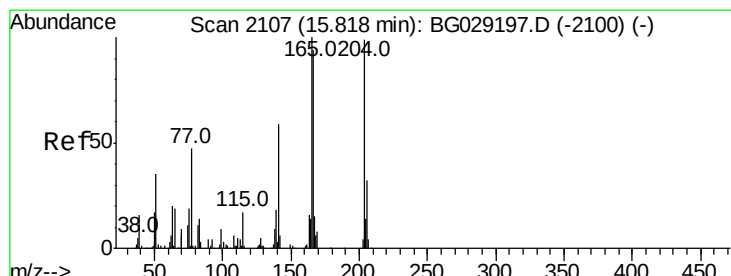
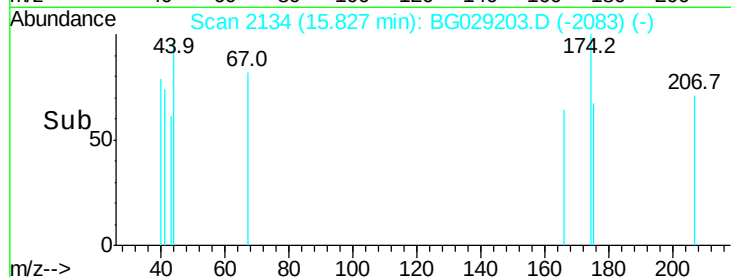
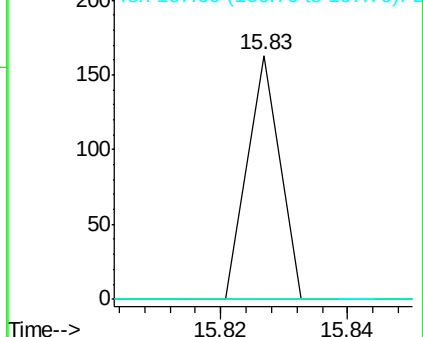
166 100

165 0.0 79.9 119.9#

167 0.0 10.6 16.0#



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

4-Chlorophenyl-phenylether

Concen: 0.007 ng/ul

RT: 15.76 min Scan# 2122

Delta R.T. -0.06 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

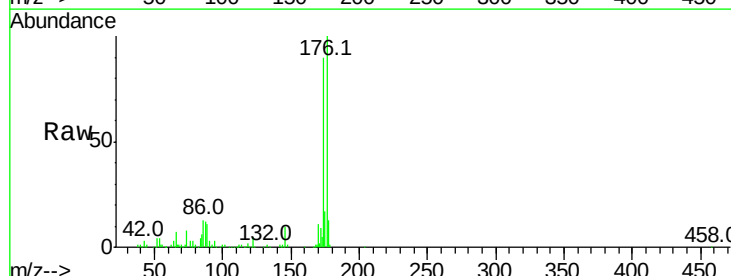
Tgt Ion:204 Resp: 55

Ion Ratio Lower Upper

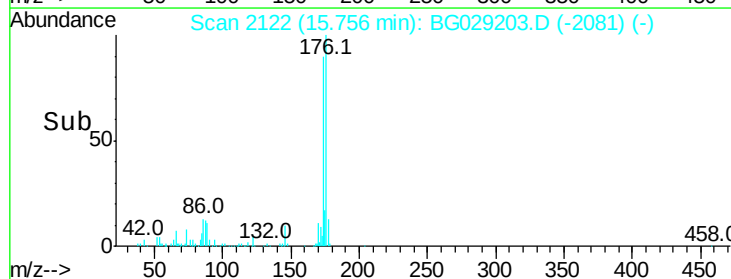
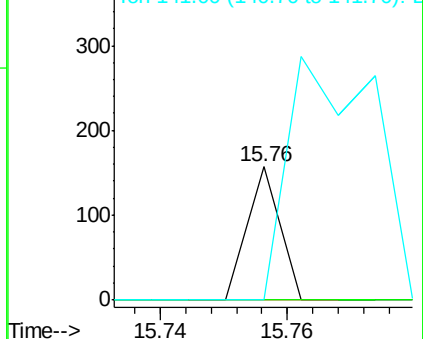
204 100

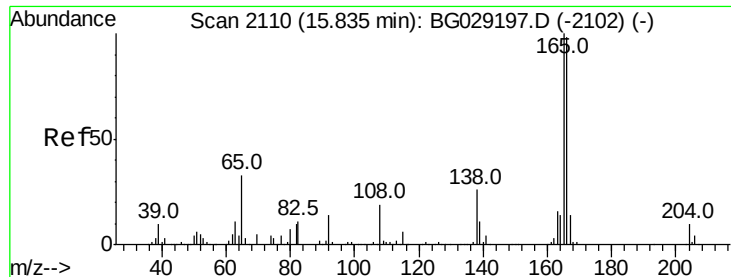
206 0.0 29.8 44.8#

141 0.0 49.2 73.8#



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

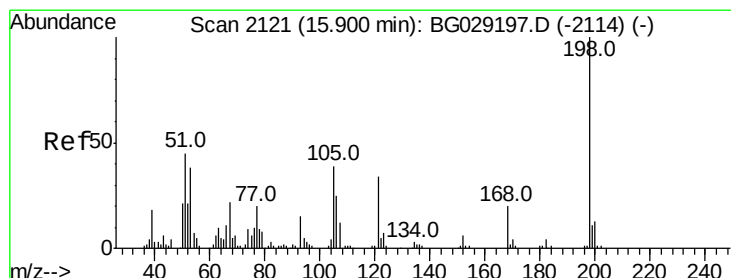
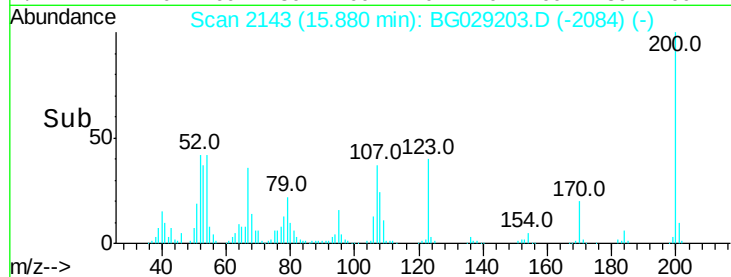
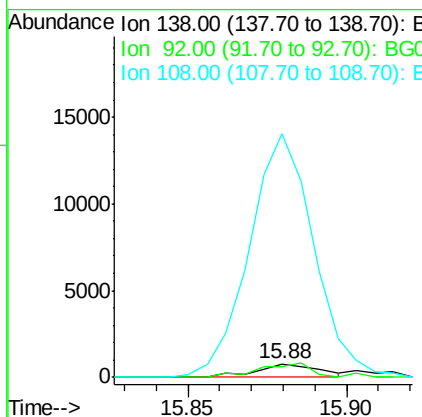
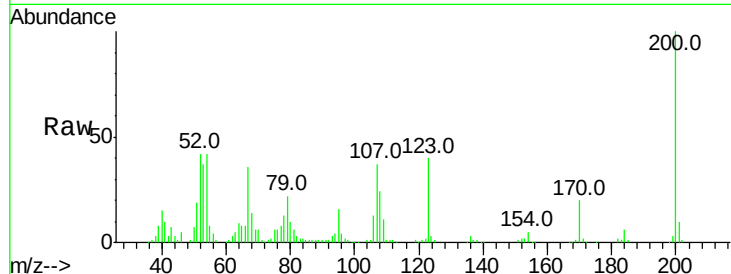




#60  
 4-Nitroaniline  
 Concen: 0.242 ng/ul  
 RT: 15.88 min Scan# 2143  
 Delta R.T. 0.04 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

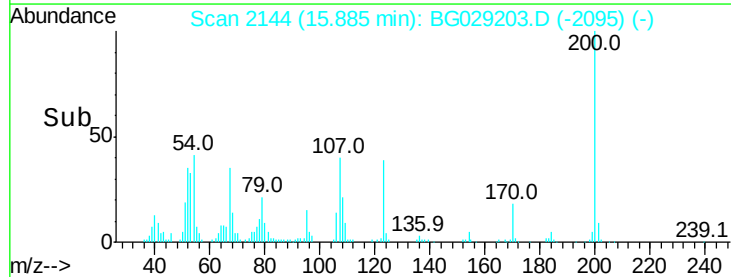
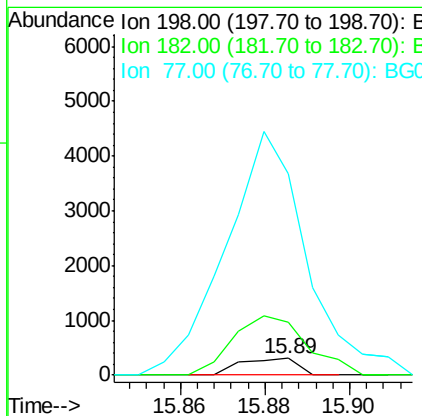
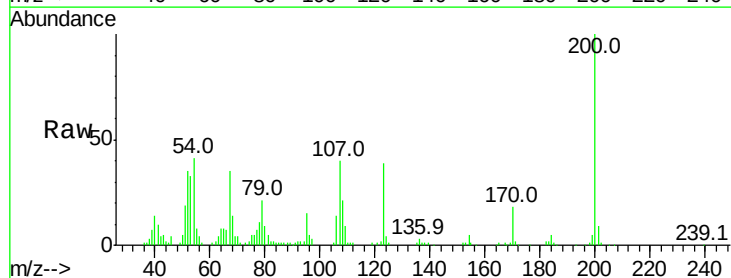
Instrument :  
 BNA\_G  
 ClientSampleId :

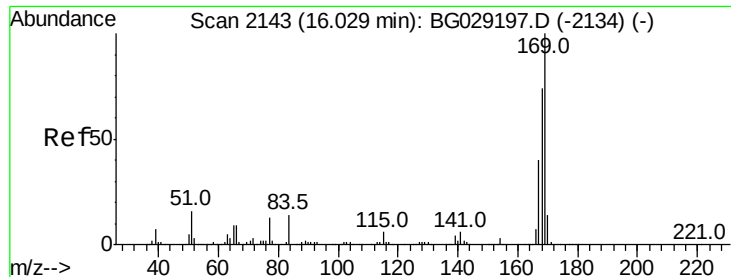
Tot Ion:138 Resp: 1056  
 Ion Ratio Lower Upper  
 138 100  
 92 76.2 44.2 66.2#  
 108 1809.1 63.7 95.5#



#63  
 4,6-Dinitro-2-methylphenol  
 Concen: 0.100 ng/ul  
 RT: 15.89 min Scan# 2144  
 Delta R.T. -0.01 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

Tgt Ion:198 Resp: 288  
 Ion Ratio Lower Upper  
 198 100  
 182 317.6 4.6 5.0#  
 77 1219.3 25.9 39.7#



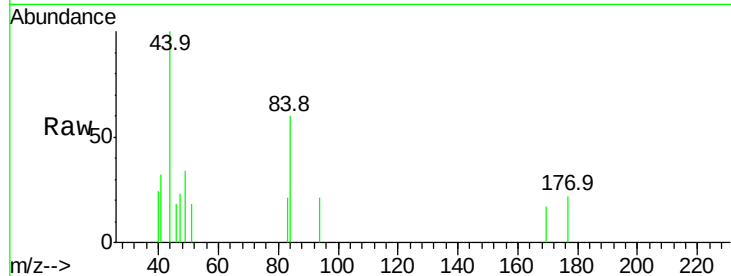


#64

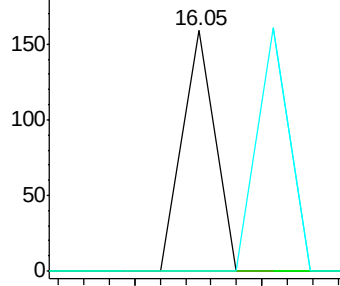
N-Nitrosodiphenylamine  
Concen: 0.003 ng/ul  
RT: 16.05 min Scan# 2172  
Delta R.T. 0.02 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

Instrument :  
BNA\_G  
ClientSampled :

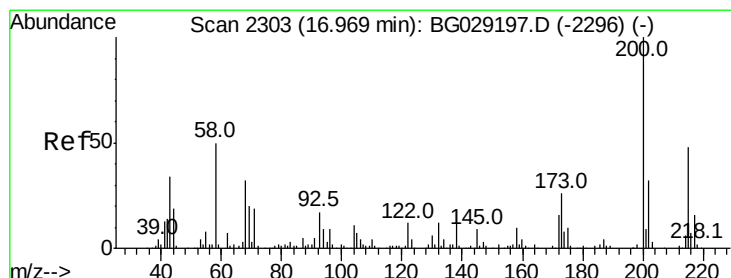
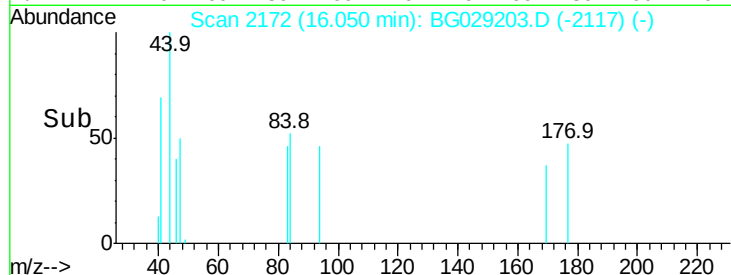
Tot Ion:169 Resp: 56  
Ion Ratio Lower Upper  
169 100  
168 0.0 54.1 81.1#  
167 0.0 30.0 45.0#



Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



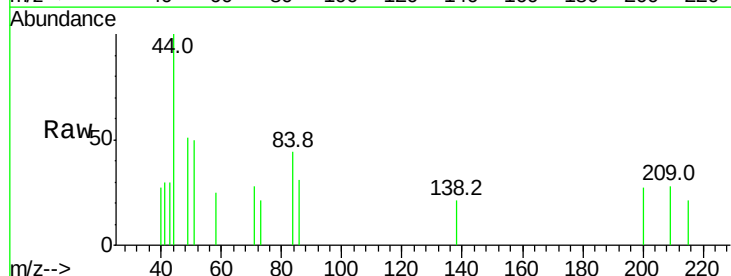
Time-->



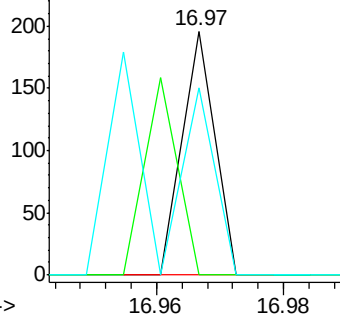
#67

Atrazine  
Concen: 0.011 ng/ul  
RT: 16.97 min Scan# 2328  
Delta R.T. -0.00 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

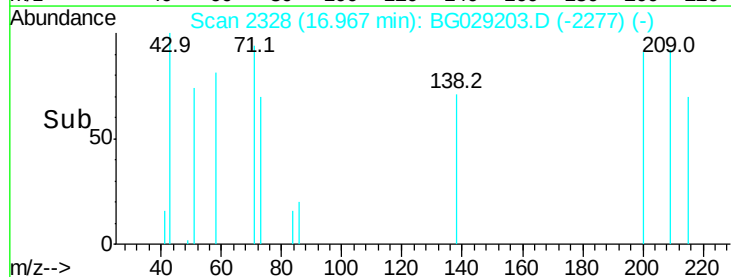
Tgt Ion:200 Resp: 69  
Ion Ratio Lower Upper  
200 100  
173 0.0 21.8 32.6#  
215 77.0 39.4 59.0#

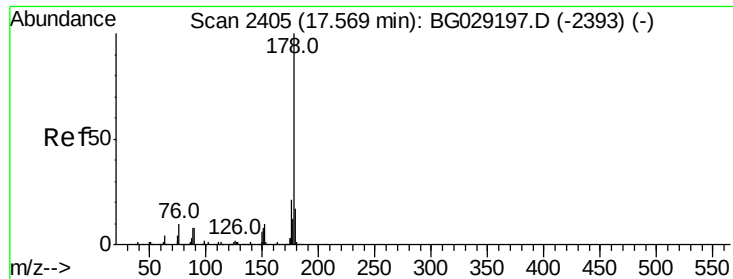


Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E



Time-->





#69

Phenanthrene

Concen: 0.024 ng/ul

RT: 17.57 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

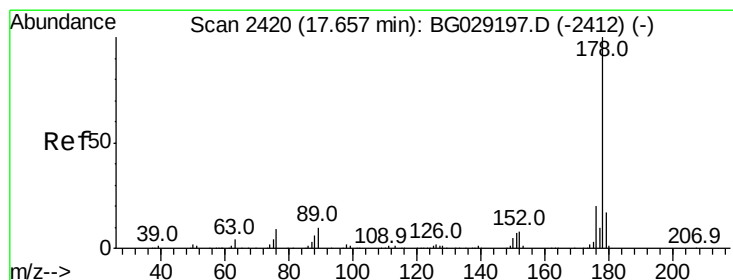
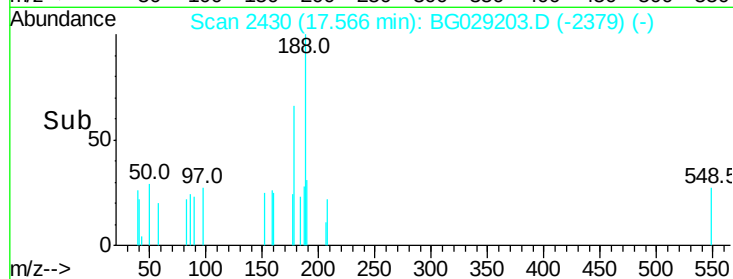
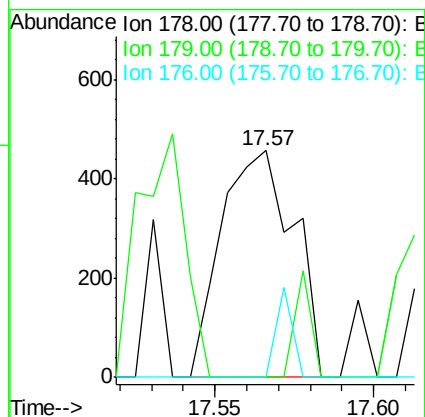
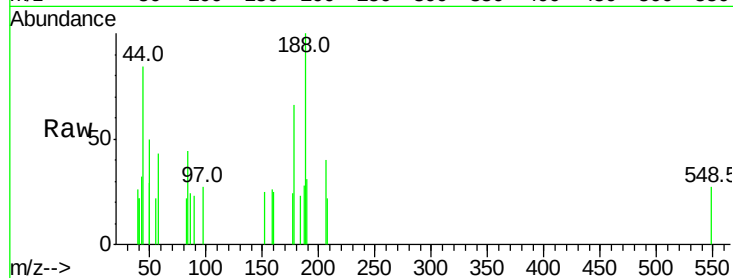
Tot Ion:178 Resp: 723

Ion Ratio Lower Upper

178 100

179 0.0 13.0 19.6#

176 0.0 15.3 22.9#



#71

Anthracene

Concen: 0.007 ng/ul

RT: 17.65 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

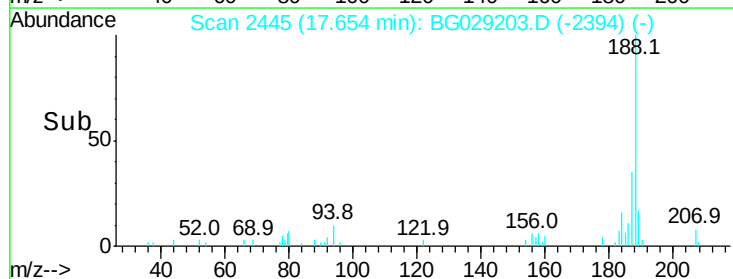
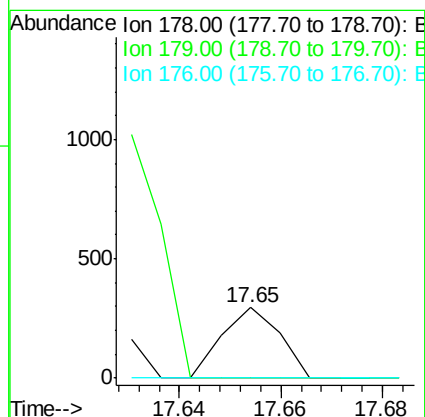
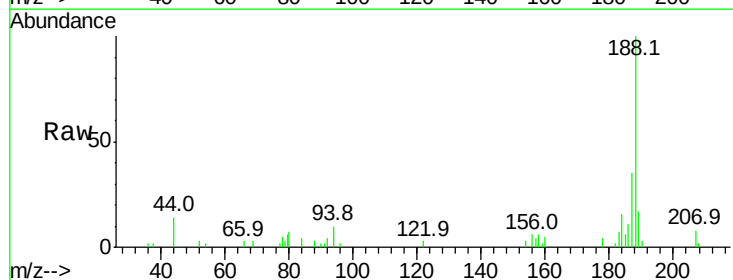
Tgt Ion:178 Resp: 232

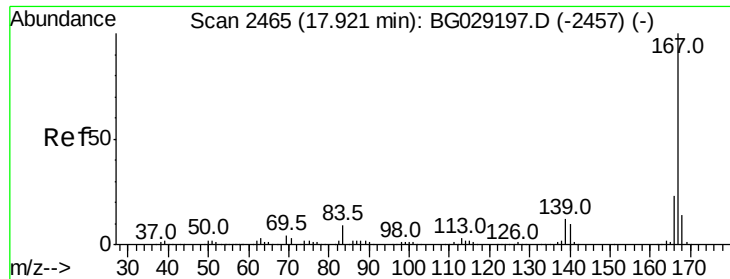
Ion Ratio Lower Upper

178 100

179 0.0 13.2 19.8#

176 0.0 16.0 24.0#





#72

Carbazole

Concen: 0.002 ng/ul

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

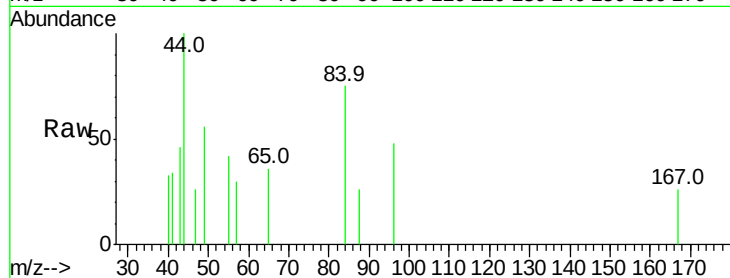
Tot Ion:167 Resp: 56

Ion Ratio Lower Upper

167 100

166 0.0 18.6 28.0#

139 0.0 10.6 16.0#



Abundance Ion 167.00 (166.70 to 167.70): E

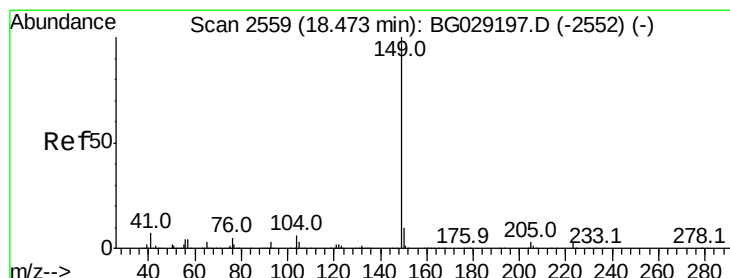
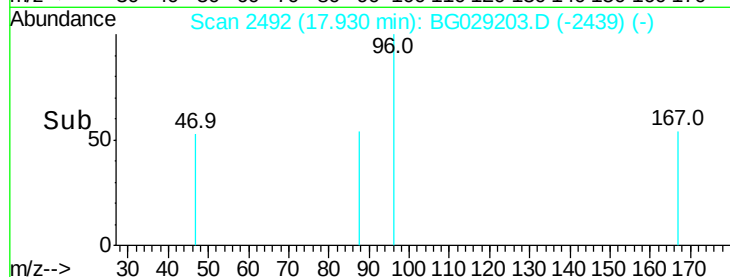
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.93

17.92 17.94

Time-->



#73

Di-n-butylphthalate

Concen: 0.034 ng/ul

RT: 18.47 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

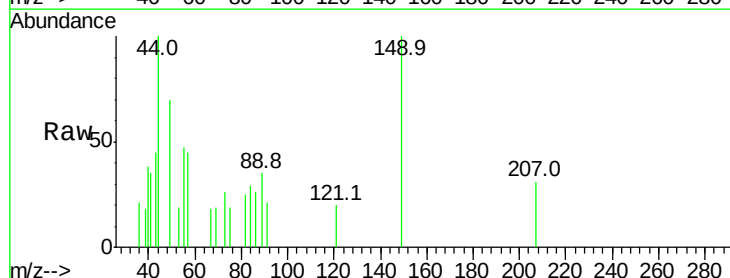
Tgt Ion:149 Resp: 1154

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

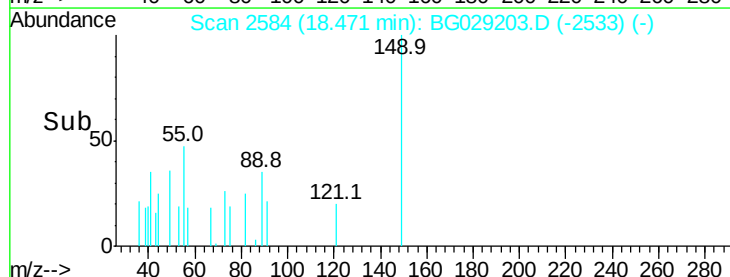
Ion 150.00 (149.70 to 150.70): E

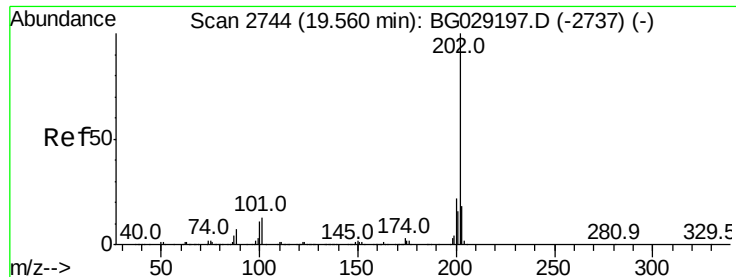
Ion 104.00 (103.70 to 104.70): E

18.47

18.45 18.50

Time-->

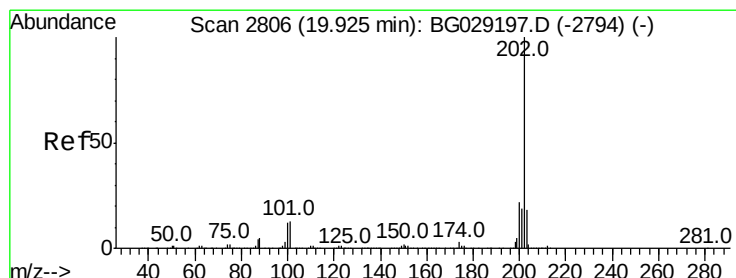
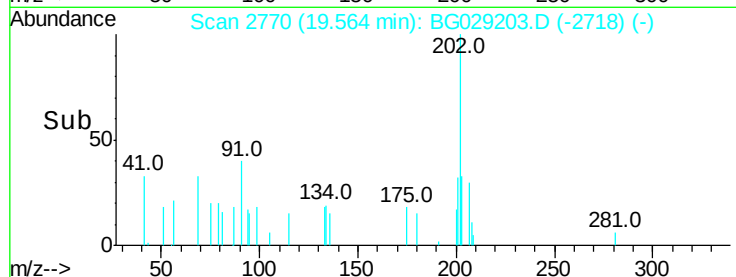
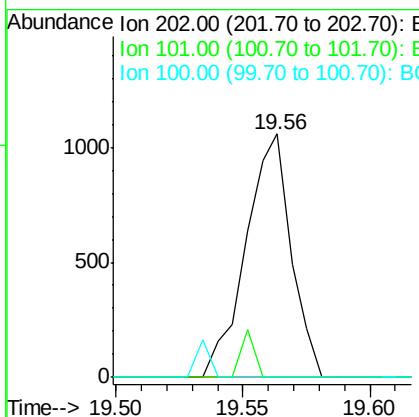
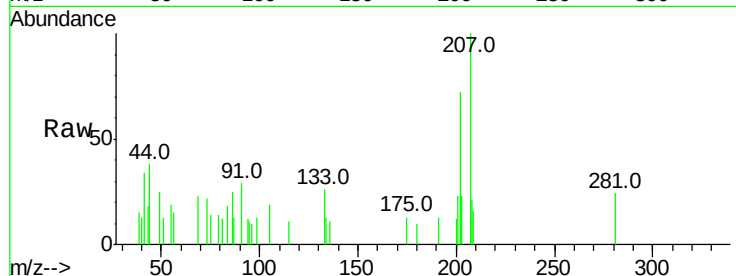




#74  
 Fluoranthene  
 Concen: 0.039 ng/ul  
 RT: 19.56 min Scan# 2770  
 Delta R.T. 0.00 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

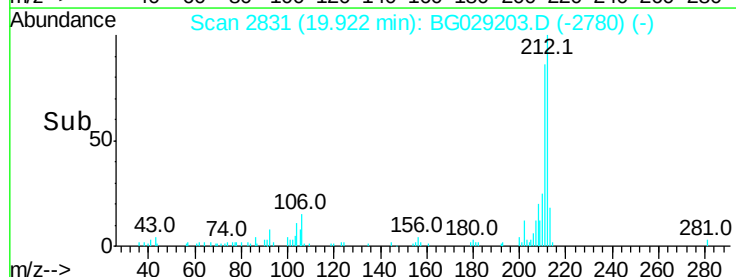
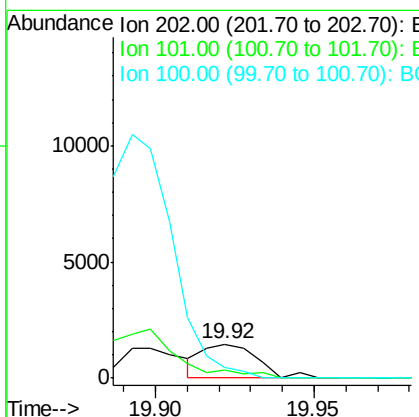
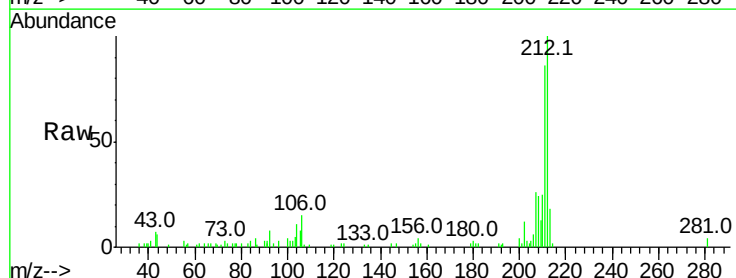
Instrument :  
 BNA\_G  
 ClientSampled :

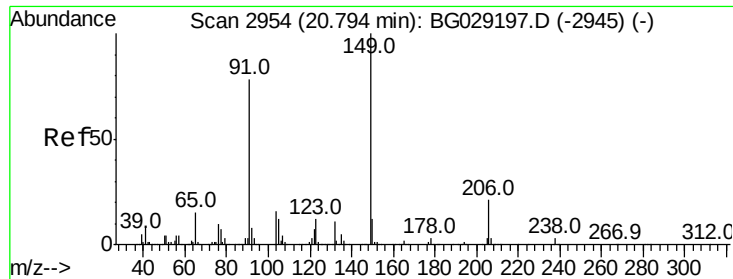
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 0.0   | 7.4   | 11.2# |
| 100     | 0.0   | 5.6   | 8.4#  |



#77  
 Pyrene  
 Concen: 0.048 ng/ul  
 RT: 19.92 min Scan# 2831  
 Delta R.T. -0.00 min  
 Lab File: BG029203.D  
 Acq: 13 Oct 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 25.3  | 8.4   | 12.6# |
| 100     | 30.8  | 7.0   | 10.6# |

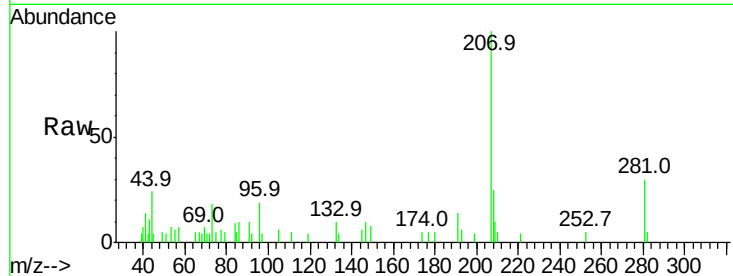




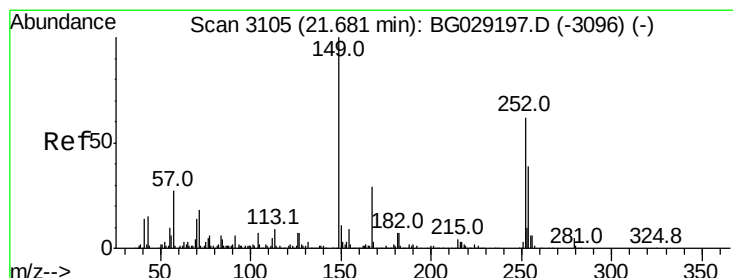
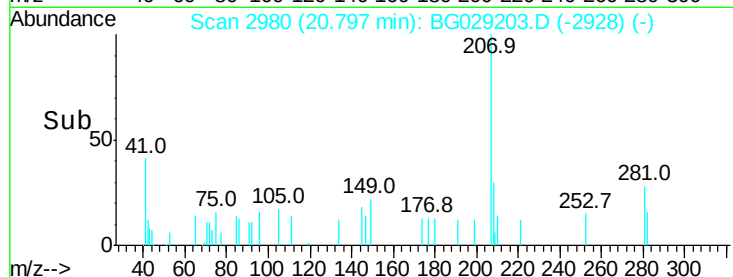
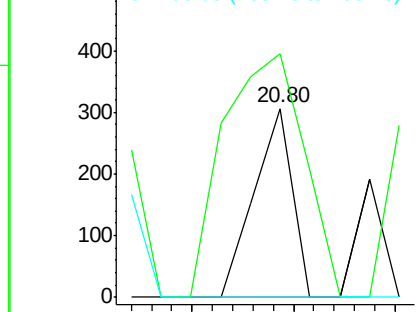
#78  
Butylbenzylphthalate  
Concen: 0.011 ng/ul  
RT: 20.80 min Scan# 2980  
Delta R.T. 0.00 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:149 Resp: 161  
Ion Ratio Lower Upper  
149 100  
91 129.1 61.3 91.9#  
206 0.0 19.5 29.3#

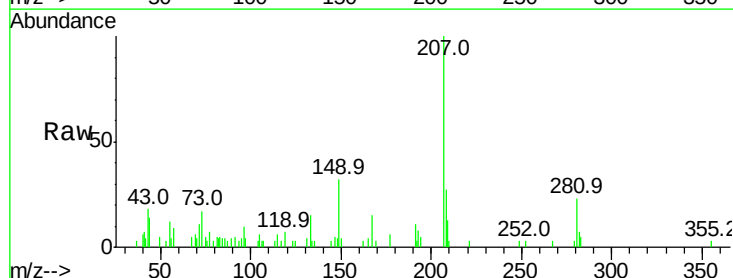


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 91.00 (90.70 to 91.70): BGC  
Ion 206.00 (205.70 to 206.70): E

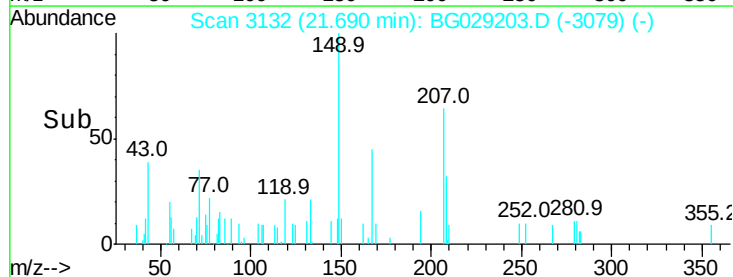
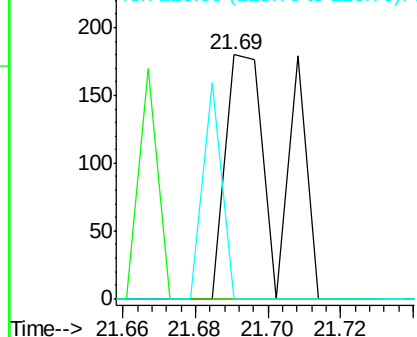


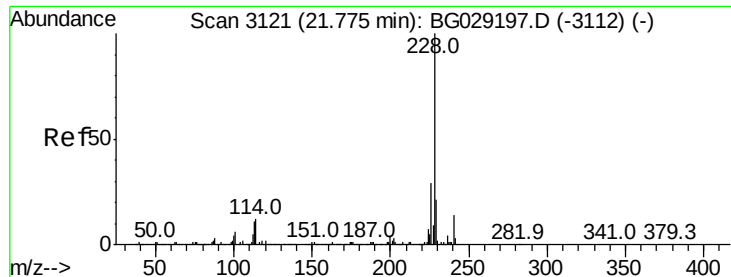
#79  
3,3'-Dichlorobenzidine  
Concen: 0.019 ng/ul  
RT: 21.69 min Scan# 3132  
Delta R.T. 0.01 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

Tgt Ion:252 Resp: 189  
Ion Ratio Lower Upper  
252 100  
254 0.0 51.4 77.2#  
126 0.0 9.3 13.9#



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





#80

Benzo(a)anthracene

Concen: 0.067 ng/ul

RT: 21.80 min Scan# 3150

Delta R.T. 0.02 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

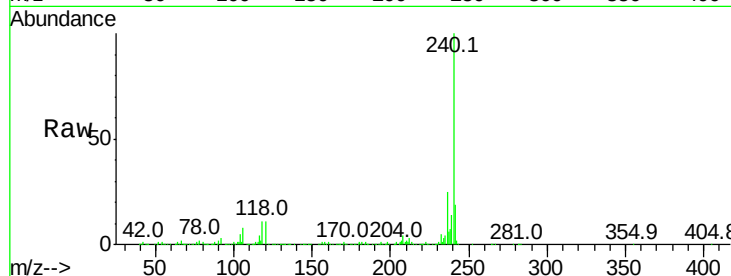
Instrument :

BNA\_G

ClientSampled :

Tot Ion:228 Resp: 2293

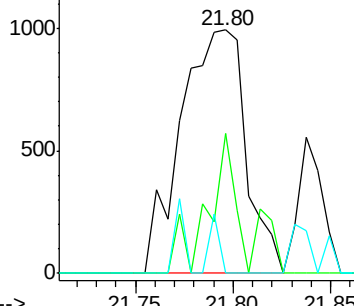
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 57.3  | 16.2  | 24.4# |
| 226 | 0.0   | 22.2  | 33.2# |



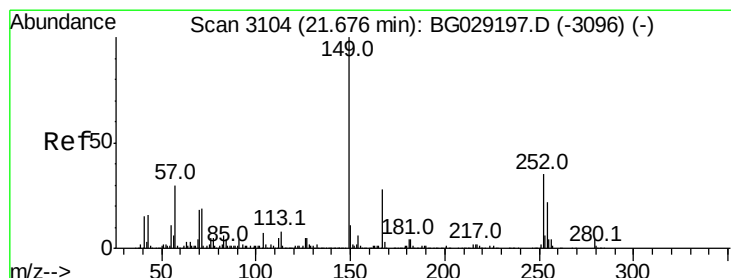
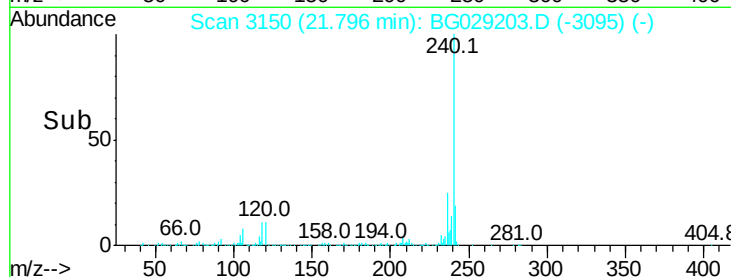
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->



#81

Bis(2-ethylhexyl)phthalate

Concen: 0.710 ng/ul

RT: 21.67 min Scan# 3129

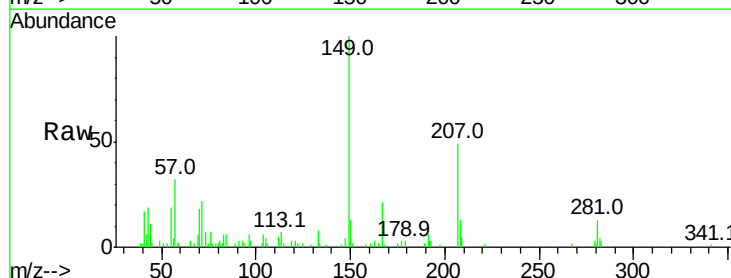
Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Tgt Ion:149 Resp: 15362

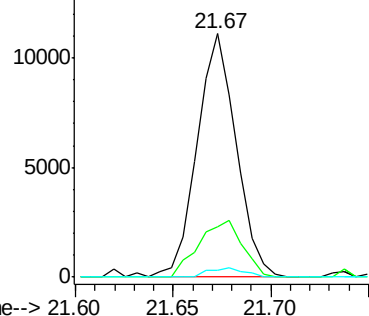
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 20.6  | 23.2  | 34.8# |
| 279 | 2.6   | 3.1   | 4.7#  |



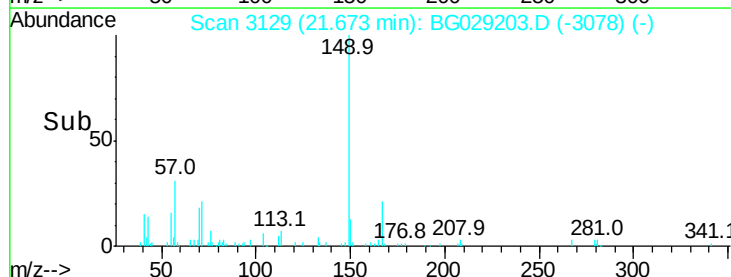
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

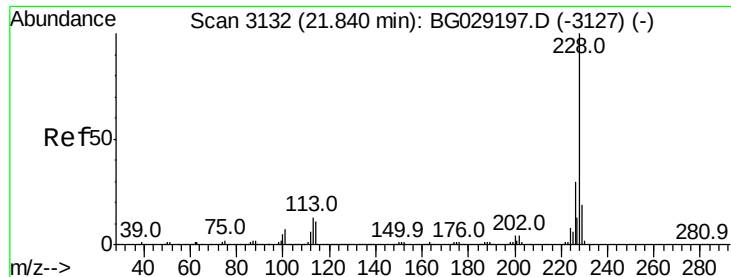
Ion 279.00 (278.70 to 279.70): E



Time-->







#82

Chrysene

Concen: 0.015 ng/ul

RT: 21.84 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

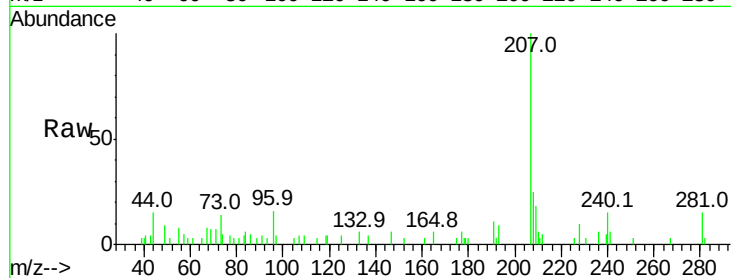
Tot Ion:228 Resp: 471

Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.2

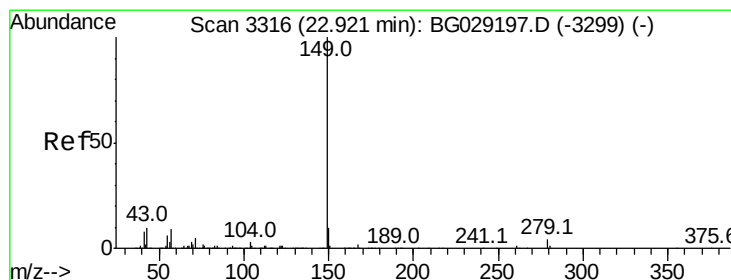
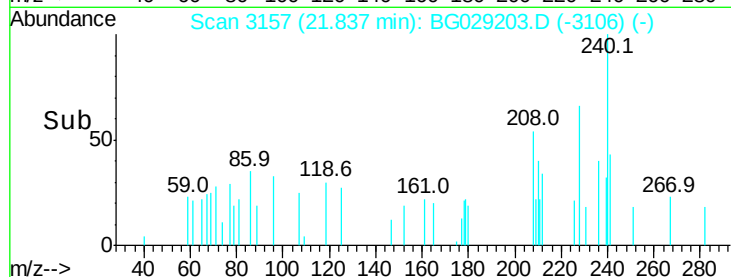
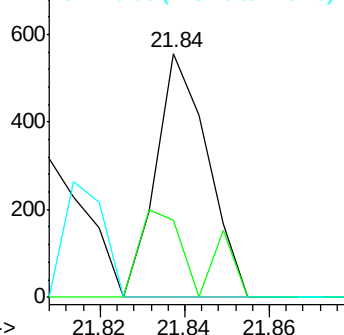
229 0.0 15.2 22.8#



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



#84

Di-n-octyl phthalate

Concen: 0.008 ng/ul

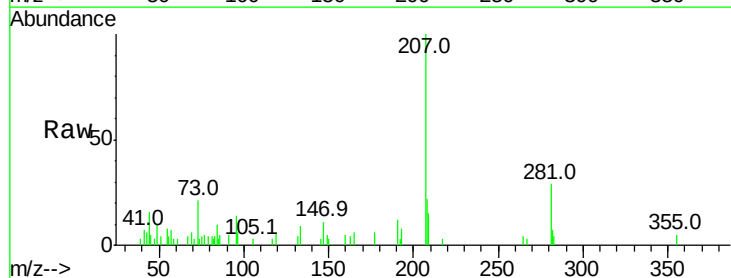
RT: 22.91 min Scan# 3340

Delta R.T. -0.01 min

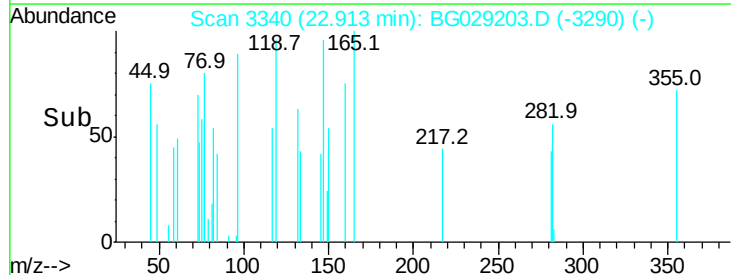
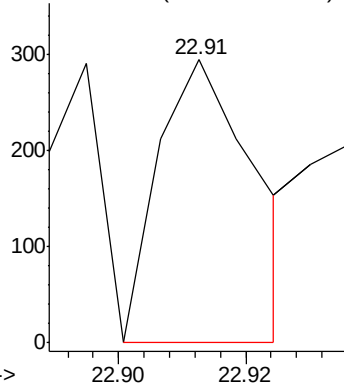
Lab File: BG029203.D

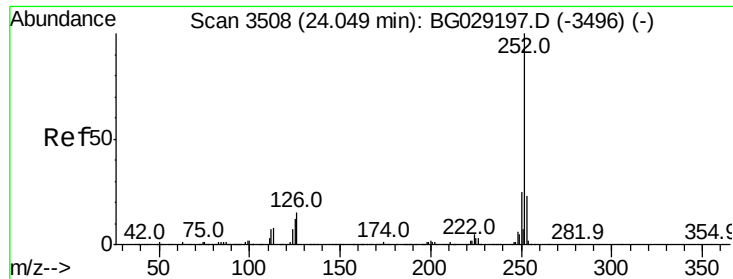
Acq: 13 Oct 2017 22:50

Tgt Ion:149 Resp: 307



Abundance Ion 149.00 (148.70 to 149.70): E

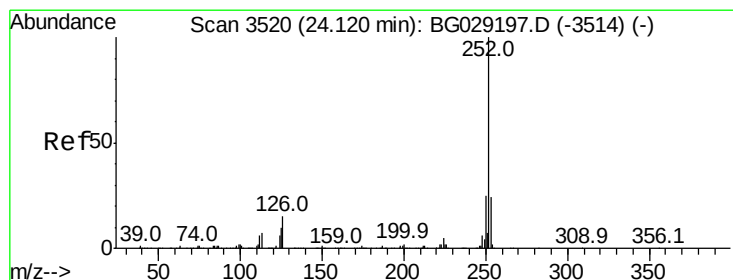
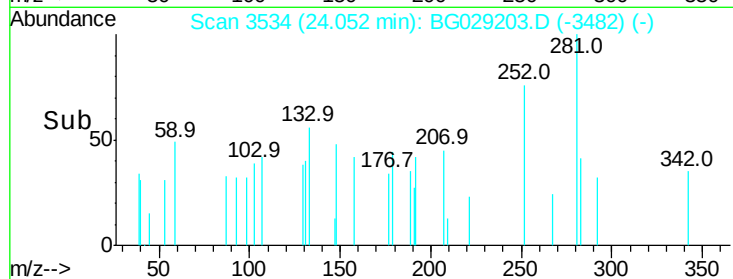
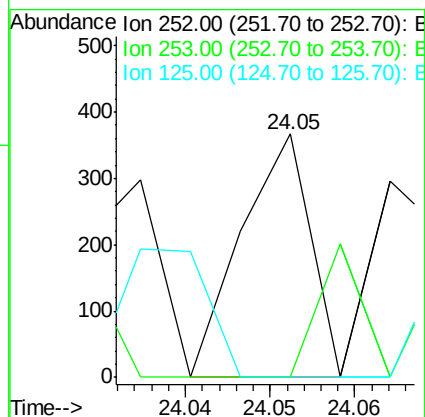
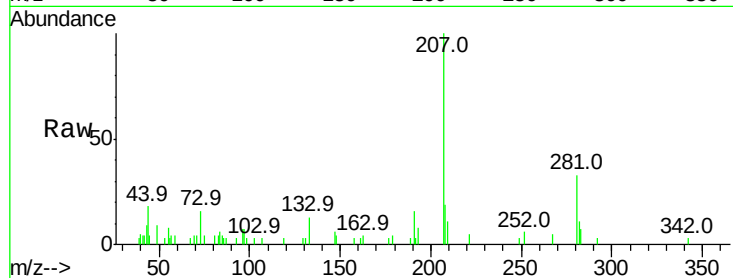




#85  
Benzo(b)fluoranthene  
Concen: 0.006 ng/ul  
RT: 24.05 min Scan# 3534  
Delta R.T. 0.00 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

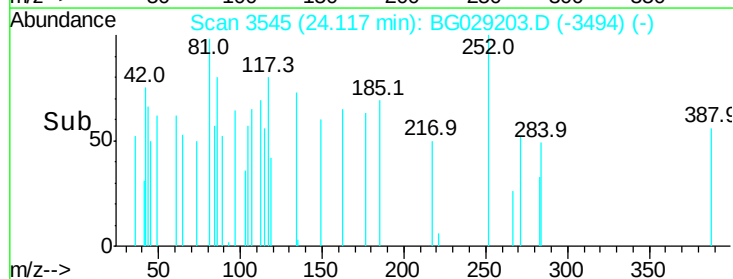
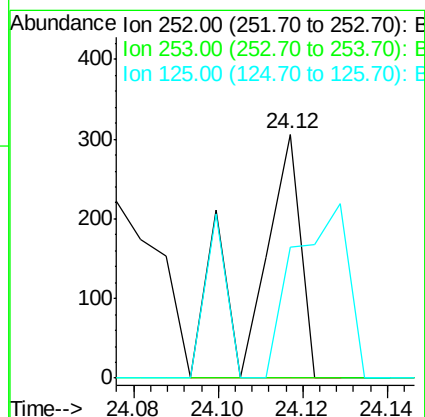
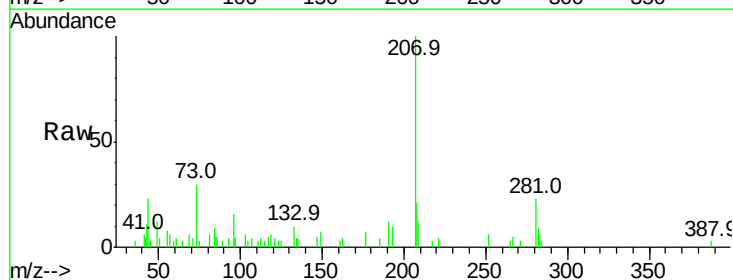
Instrument :  
BNA\_G  
ClientSampleId :

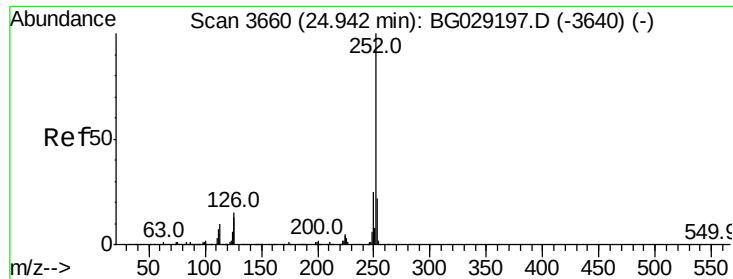
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 0.0   | 17.0  | 25.4# |
| 125     | 0.0   | 7.5   | 11.3# |



#86  
Benzo(k)fluoranthene  
Concen: 0.007 ng/ul  
RT: 24.12 min Scan# 3545  
Delta R.T. -0.00 min  
Lab File: BG029203.D  
Acq: 13 Oct 2017 22:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 0.0   | 17.2  | 25.8# |
| 125     | 53.9  | 7.8   | 11.8# |





#88

Benzo(a)pyrene

Concen: 0.006 ng/ul

RT: 24.94 min Scan# 3685

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

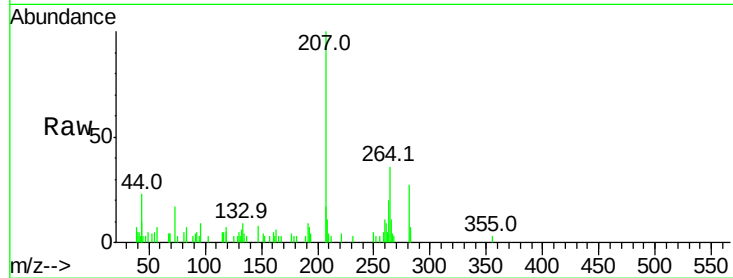
Tot Ion:252 Resp: 197

Ion Ratio Lower Upper

252 100

253 0.0 17.1 25.7#

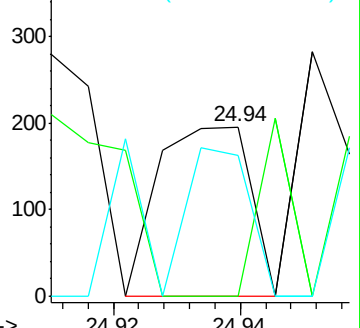
125 83.6 7.8 11.8#



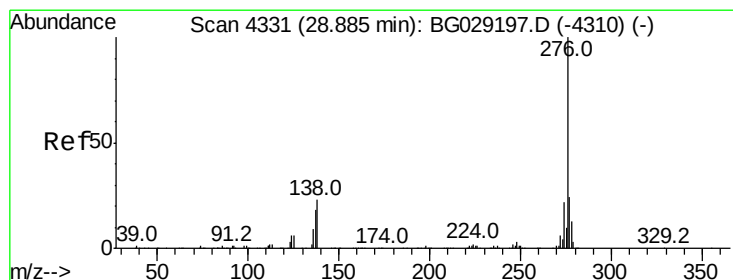
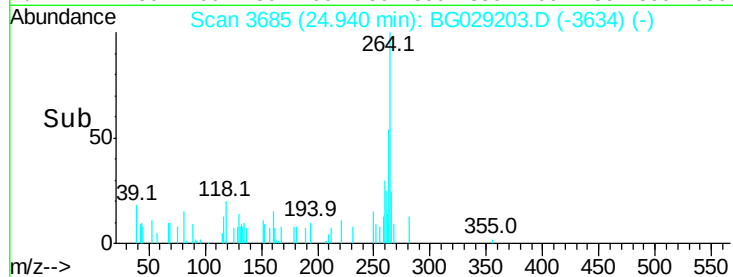
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. 0.01 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

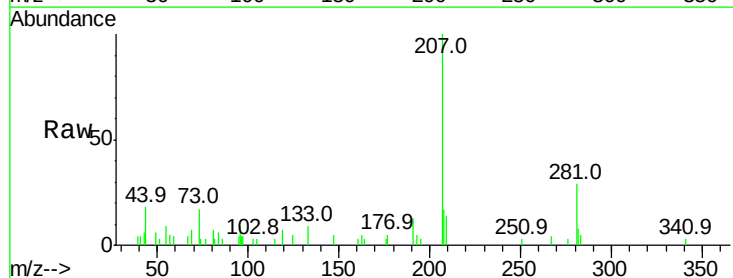
Tgt Ion:276 Resp: 59

Ion Ratio Lower Upper

276 100

138 0.0 13.4 20.0#

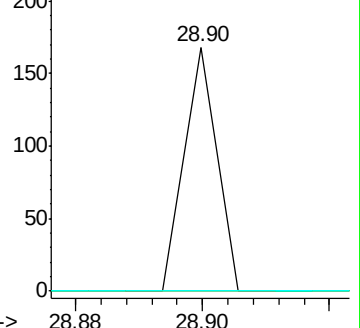
277 0.0 18.6 28.0#



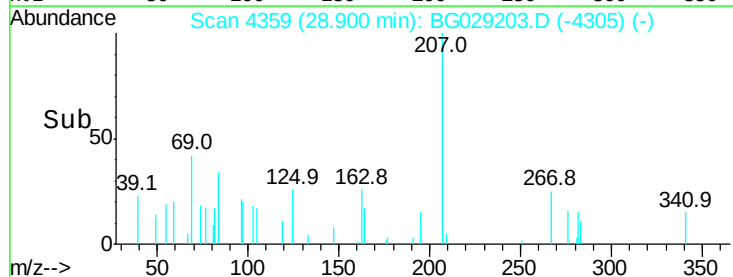
Abundance Ion 276.00 (275.70 to 276.70): E

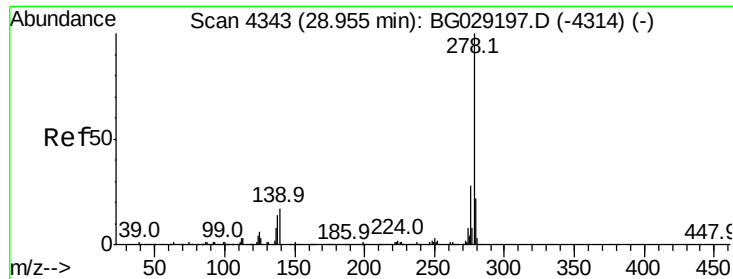
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#90

Dibenzo(a,h)anthracene

Concen: 0.004 ng/ul

RT: 28.95 min Scan# 4368

Delta R.T. -0.00 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

Instrument :

BNA\_G

ClientSampleId :

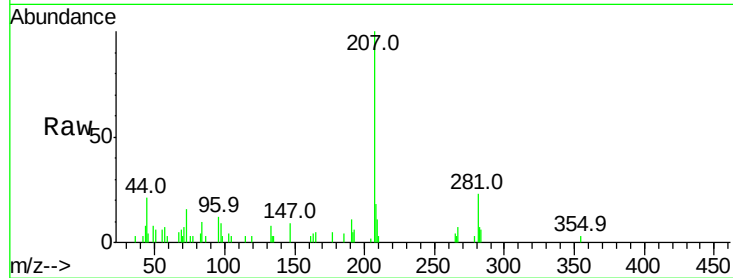
Tot Ion:278 Resp: 121

Ion Ratio Lower Upper

278 100

139 0.0 9.4 14.2#

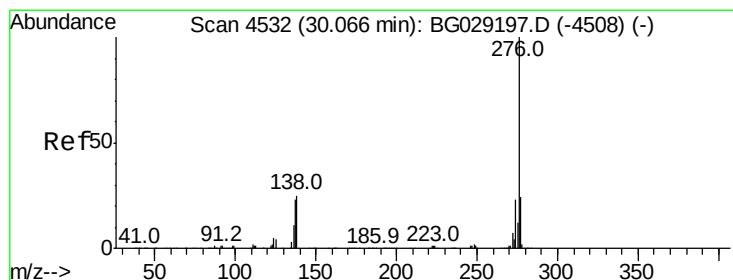
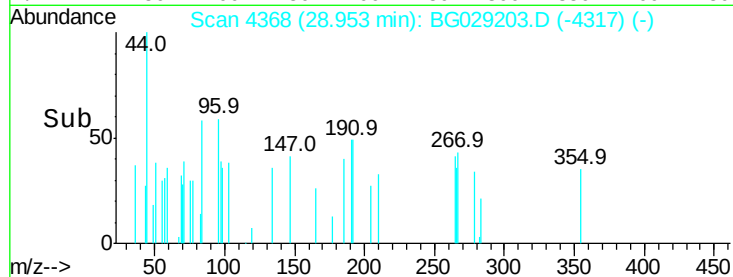
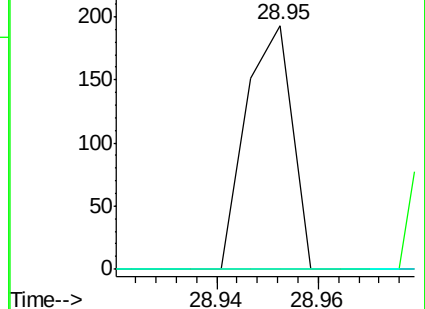
279 0.0 18.4 27.6#



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: 0.002 ng/ul

RT: 30.04 min Scan# 4553

Delta R.T. -0.03 min

Lab File: BG029203.D

Acq: 13 Oct 2017 22:50

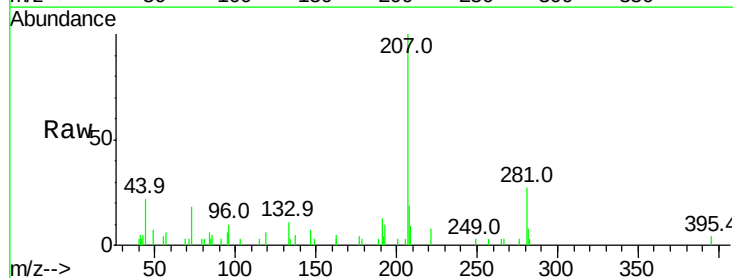
Tgt Ion:276 Resp: 57

Ion Ratio Lower Upper

276 100

138 0.0 12.1 18.1#

277 0.0 17.7 26.5#



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

