

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG011518\  
 Data File : BG032055.D  
 Acq On : 16 Jan 2018 6:05  
 Operator : SJ/JU  
 Sample : J1113-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

Quant Time: Jan 16 07:38:43 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 15 10:05:15 2018  
 Response via : Initial Calibration

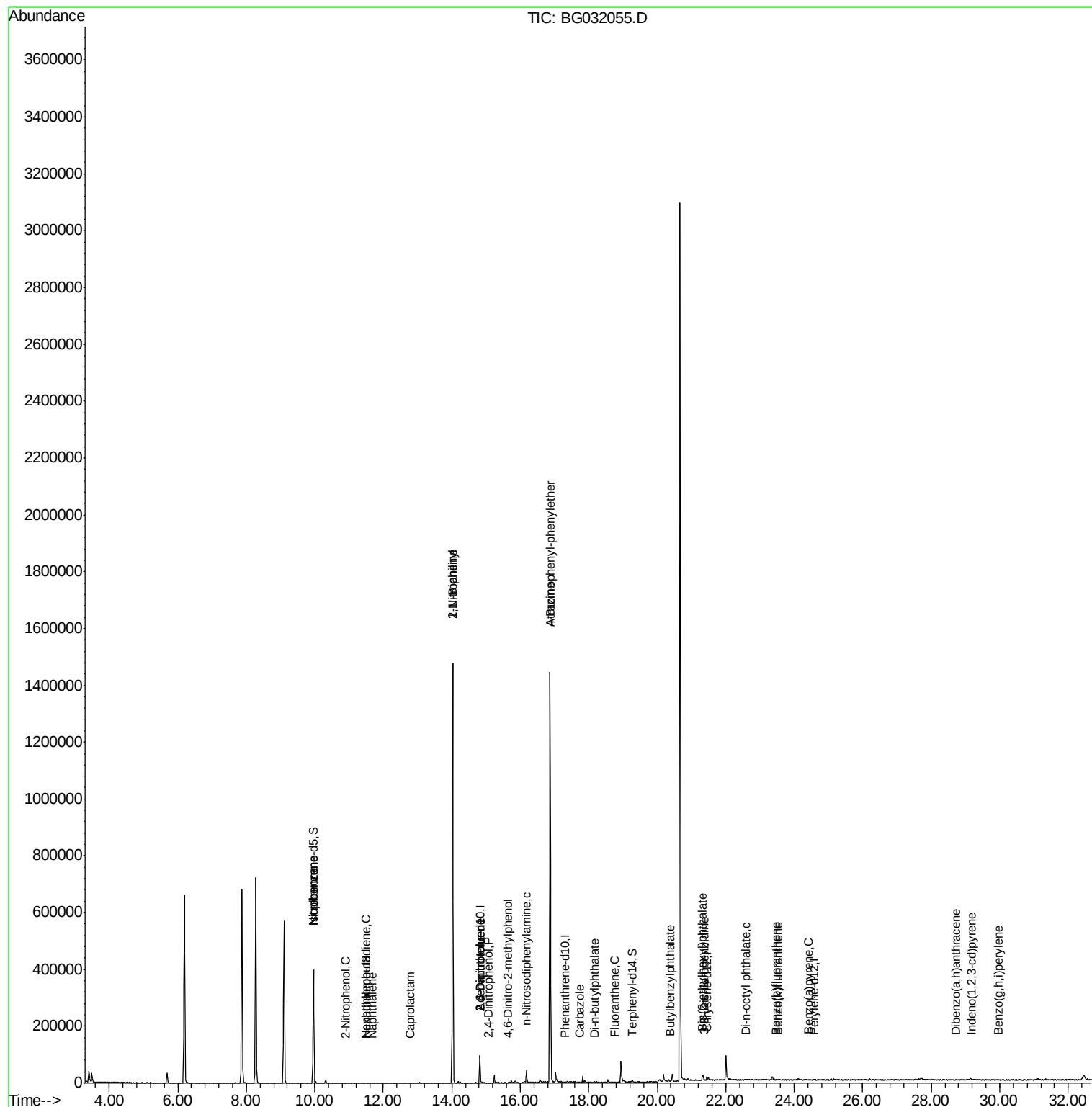
| Internal Standards             | R.T.  | QIon | Response | Conc       | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 0.00  | 152  | 0        | 0.00       | ng    | -8.77    |
| 21) Naphthalene-d8             | 11.51 | 136  | 53       | 20.00      | ng    | -0.15    |
| 38) Acenaphthene-d10           | 14.82 | 164  | 7033     | 20.00      | ng    | -0.58    |
| 63) Phenanthrene-d10           | 17.29 | 188  | 73       | 20.00      | ng    | -0.85    |
| 75) Chrysene-d12               | 21.45 | 240  | 287      | 20.00      | ng    | -1.03    |
| 86) Perylene-d12               | 24.57 | 264  | 60       | 20.00      | ng    | -1.64    |
| System Monitoring Compounds    |       |      |          |            |       |          |
| 5) 2-Fluorophenol              | 6.19  | 112  | 348199   | 0.00       | ng    | 0.00     |
| 7) Phenol-d6                   | 7.87  | 99   | 439048   | 0.00       | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.96  | 82   | 256331   | 327205.44  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00       | ng    |          |
| 44) 2-Fluorobiphenyl           | 0.00  | 172  | 0        | 0.00       | ng    |          |
| 78) Terphenyl-d14              | 19.28 | 244  | 467      | 35.93      | ng    | -1.40    |
| Target Compounds               |       |      |          |            |       |          |
| 24) Nitrobenzene               | 9.96  | 77   | 870      | 1113.358   | ng    | # 49     |
| 25) Isophorone                 | 9.96  | 82   | 256331   | 175724.185 | ng    | # 69     |
| 26) 2-Nitrophenol              | 10.90 | 139  | 70       | 151.182    | ng    | # 29     |
| 31) Naphthalene                | 11.70 | 128  | 75       | 28.566     | ng    | # 68     |
| 34) Hexachlorobutadiene        | 11.50 | 225  | 59       | 70.352     | ng    | # 20     |
| 35) Caprolactam                | 12.77 | 113  | 61       | 222.399    | ng    | # 1      |
| 45) 1,1'-Biphenyl              | 14.03 | 154  | 1676     | 2.780      | ng    | # 1      |
| 47) 2-Nitroaniline             | 14.02 | 65   | 962      | 10.714     | ng    | # 6      |
| 50) 2,6-Dinitrotoluene         | 14.83 | 165  | 860      | 6.732      | ng    | # 33     |
| 53) 2,4-Dinitrophenol          | 15.07 | 184  | 106      | 8.474      | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 14.83 | 165  | 860      | 5.000      | ng    | # 14     |
| 64) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 56       | 112.539    | ng    | # 29     |
| 65) n-Nitrosodiphenylamine     | 16.18 | 169  | 306      | 138.141    | ng    | # 58     |
| 66) 4-Bromophenyl-phenylether  | 16.87 | 248  | 26526    | 25538.741  | ng    | # 1      |
| 68) Atrazine                   | 16.87 | 200  | 60       | 64.408     | ng    | # 1      |
| 72) Carbazole                  | 17.72 | 167  | 61       | 17.346     | ng    | # 59     |
| 73) Di-n-butylphthalate        | 18.17 | 149  | 65       | 15.643     | ng    | # 78     |
| 74) Fluoranthene               | 18.76 | 202  | 55       | 10.808     | ng    | # 65     |
| 79) Butylbenzylphthalate       | 20.37 | 149  | 60       | 9.282      | ng    | # 20     |
| 81) 3,3'-Dichlorobenzidine     | 21.38 | 252  | 116      | 17.398     | ng    | # 26     |
| 83) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 175      | 18.462     | ng    | # 50     |
| 84) Di-n-octyl phthalate       | 22.58 | 149  | 69       | 4.583      | ng    | # 1      |
| 85) Indeno(1,2,3-cd)pyrene     | 29.19 | 276  | 61       | 2.908      | ng    | # 53     |
| 87) Benzo(b)fluoranthene       | 23.47 | 252  | 55       | 15.165     | ng    | # 59     |
| 88) Benzo(k)fluoranthene       | 23.53 | 252  | 55       | 15.520     | ng    | # 60     |
| 89) Benzo(a)pyrene             | 24.41 | 252  | 60       | 17.489     | ng    | # 59     |
| 90) Dibenzo(a,h)anthracene     | 28.72 | 278  | 55       | 16.637     | ng    | # 58     |
| 91) Benzo(g,h,i)perylene       | 29.96 | 276  | 238      | 70.435     | ng    | # 56     |

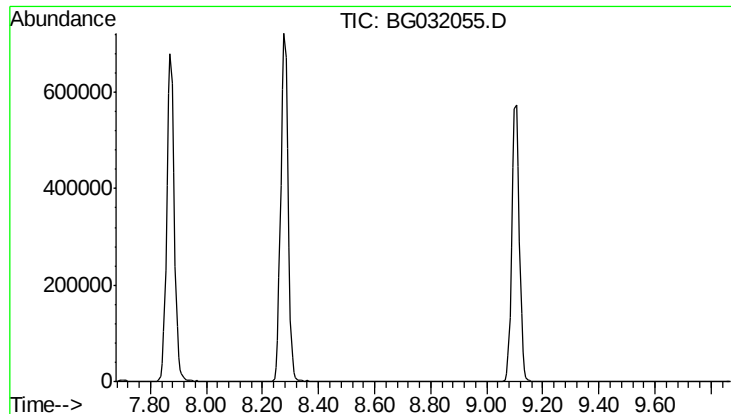
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA\_G\DATA\BG011518\  
Data File : BG032055.D  
Acq On : 16 Jan 2018 6:05  
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Sample : J1113-05  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
SB-13-2.5-3.0

Quant Time: Jan 16 07:38:43 2018  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 15 10:05:15 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 8.77 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

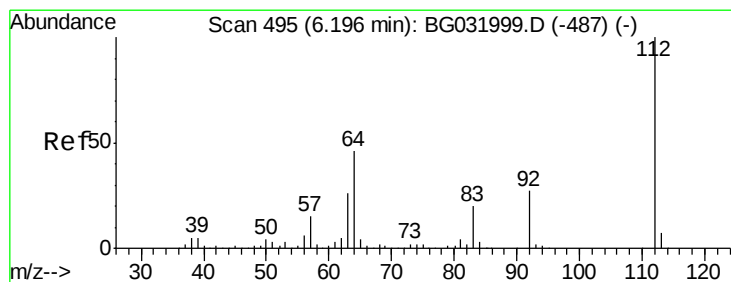
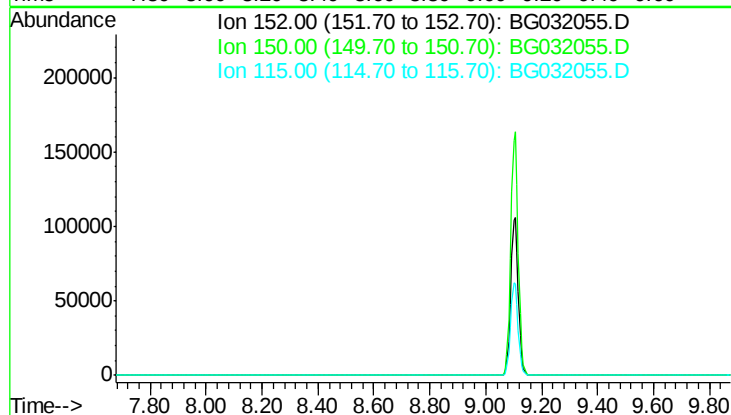
Tgt Ion: 152

Sig Exp Ratio

152 100

150 158.2

115 66.2



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.00 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

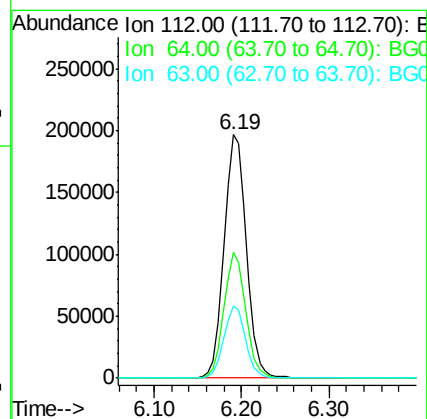
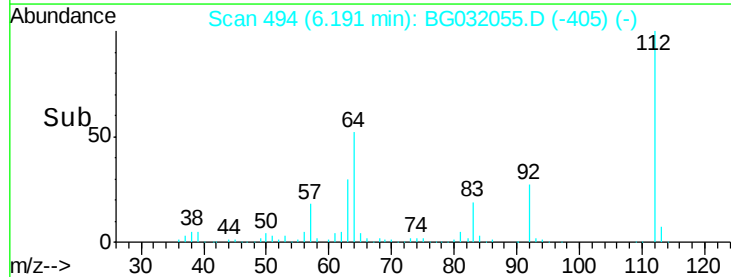
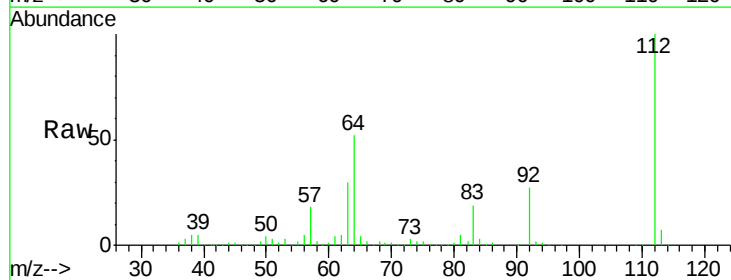
Tgt Ion: 112 Resp: 348199

Ion Ratio Lower Upper

112 100

64 51.8 56.3 84.5#

63 29.7 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

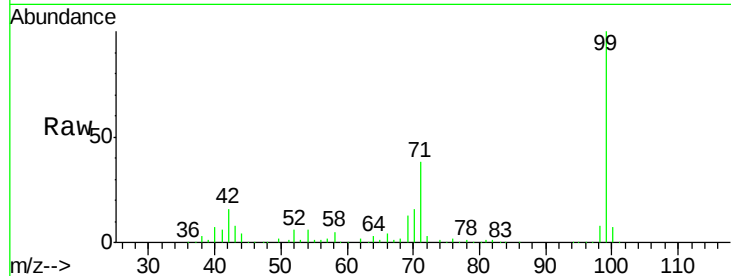
Tgt Ion: 99 Resp: 439048

Ion Ratio Lower Upper

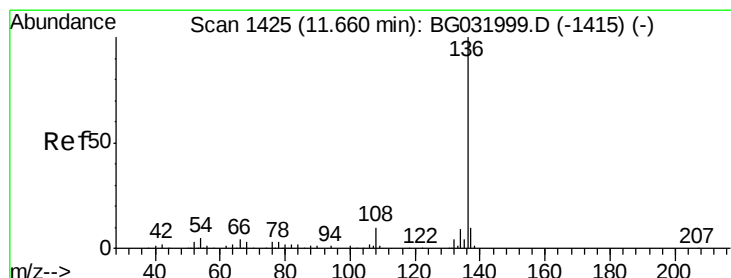
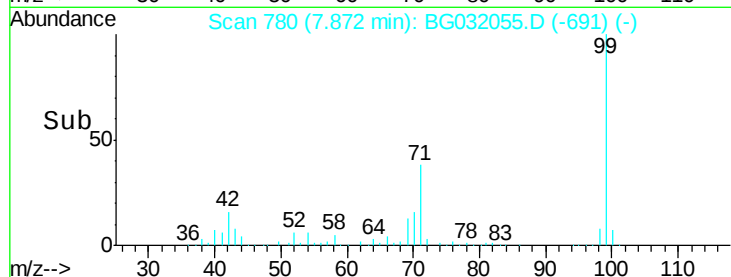
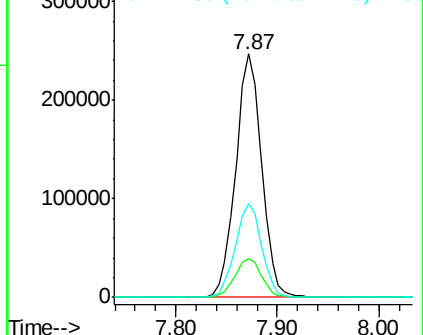
99 100

42 16.1 14.1 21.1

71 38.4 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.51 min Scan# 1399

Delta R.T. -0.15 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Tgt Ion: 136 Resp: 53

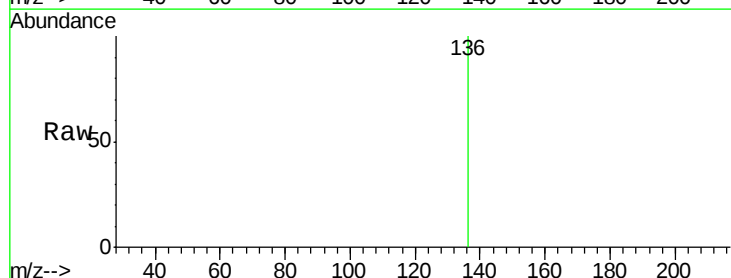
Ion Ratio Lower Upper

136 100

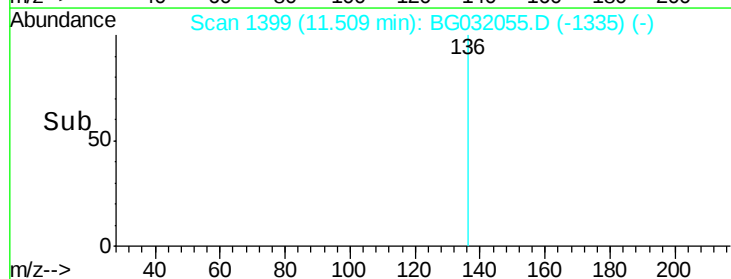
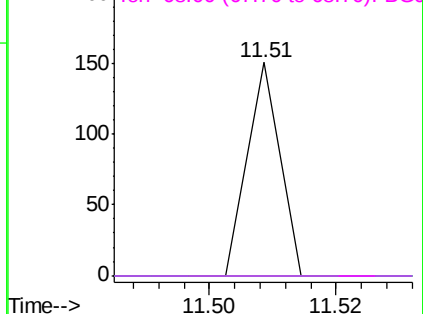
137 0.0 9.2 13.8#

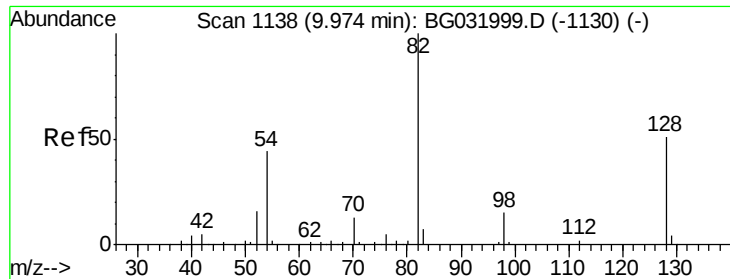
54 0.0 10.3 15.5#

68 0.0 4.5 6.7#



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

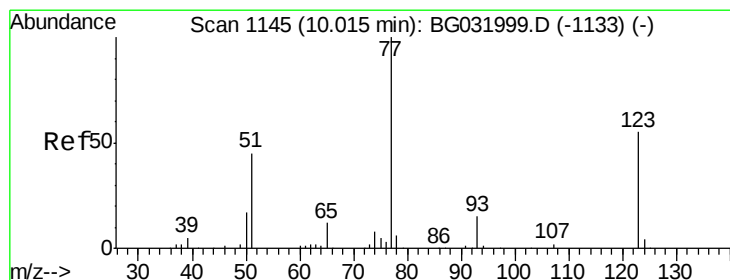
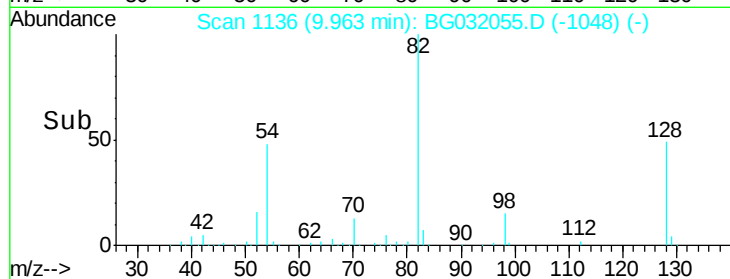
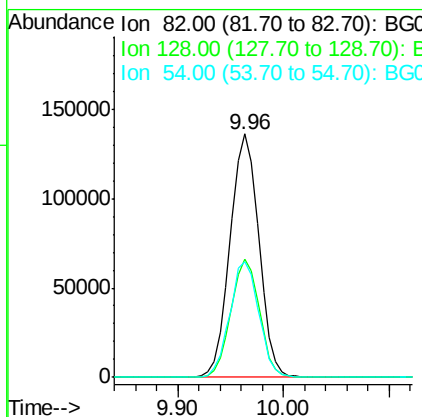
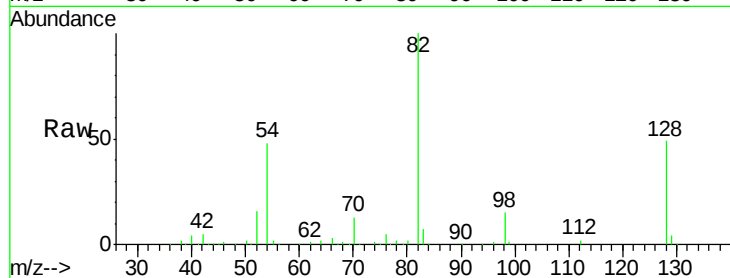




#23  
 Nitrobenzene-d5  
 Concen: 327205.440 ng  
 RT: 9.96 min Scan# 1136  
 Delta R.T. -0.01 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

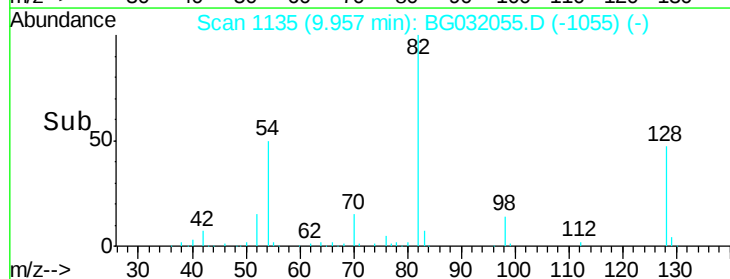
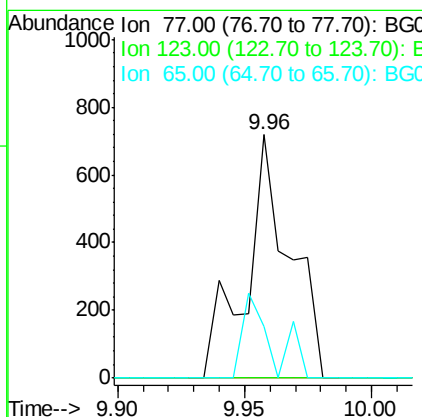
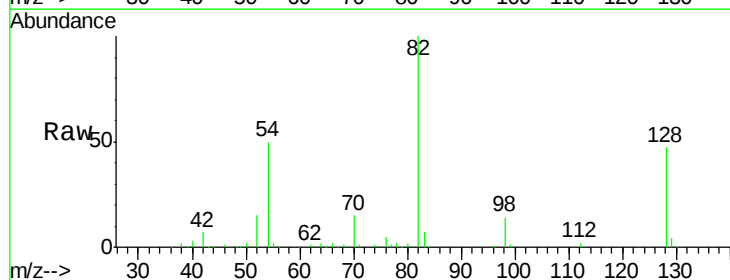
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

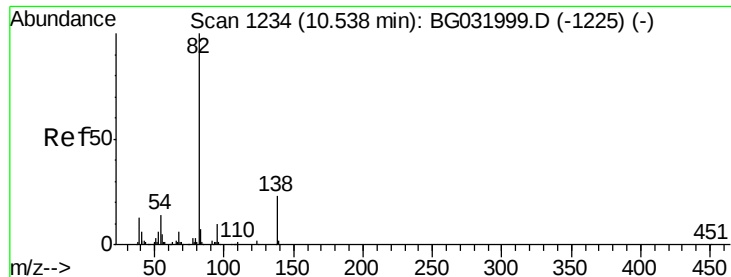
Tgt Ion: 82 Resp: 256331  
 Ion Ratio Lower Upper  
 82 100  
 128 48.7 29.7 44.5#  
 54 47.7 43.1 64.7



#24  
 Nitrobenzene  
 Concen: 1113.358 ng  
 RT: 9.96 min Scan# 1135  
 Delta R.T. -0.06 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Tgt Ion: 77 Resp: 870  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 33.0 49.6#  
 65 21.3 13.0 19.6#





#25

Isophorone

Concen: 175724.185 ng

RT: 9.96 min Scan# 1136

Delta R.T. -0.57 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

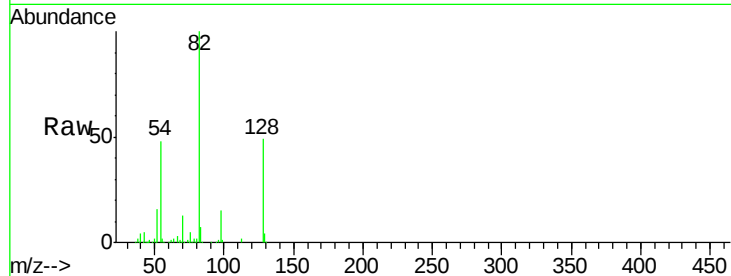
Tgt Ion: 82 Resp: 256331

Ion Ratio Lower Upper

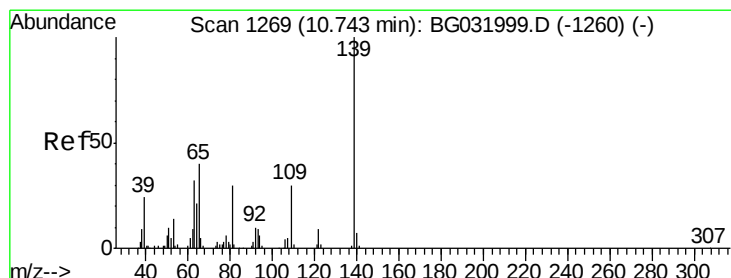
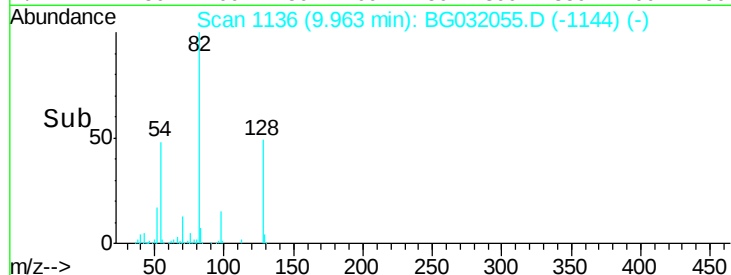
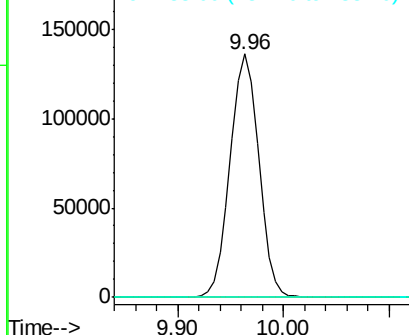
82 100

95 0.0 6.2 9.2#

138 0.0 12.1 18.1#



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



#26

2-Nitrophenol

Concen: 151.182 ng

RT: 10.90 min Scan# 1295

Delta R.T. 0.15 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

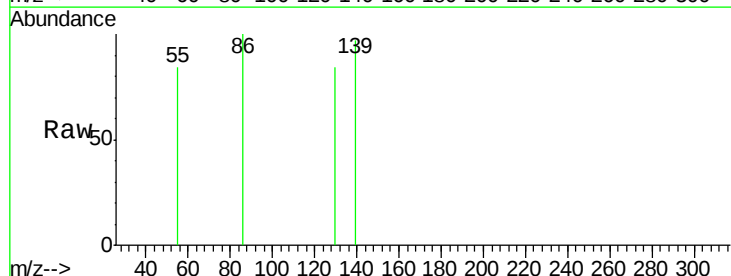
Tgt Ion: 139 Resp: 70

Ion Ratio Lower Upper

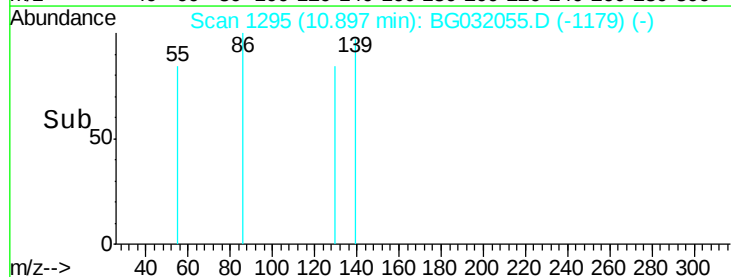
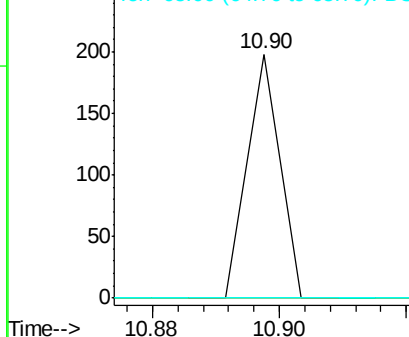
139 100

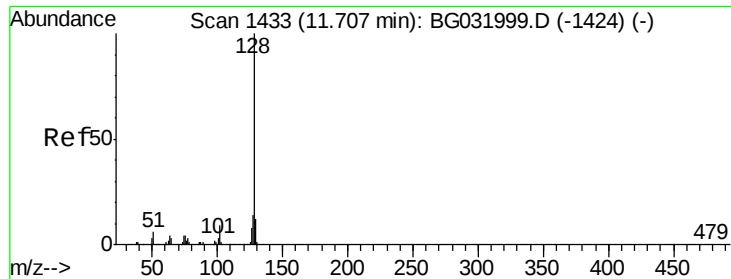
109 0.0 24.2 36.2#

65 0.0 47.4 71.0#



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





#31

Naphthalene

Concen: 28.566 ng

RT: 11.70 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

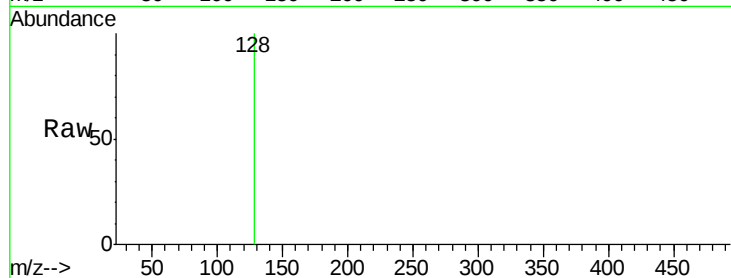
Instrument :

BNA\_G

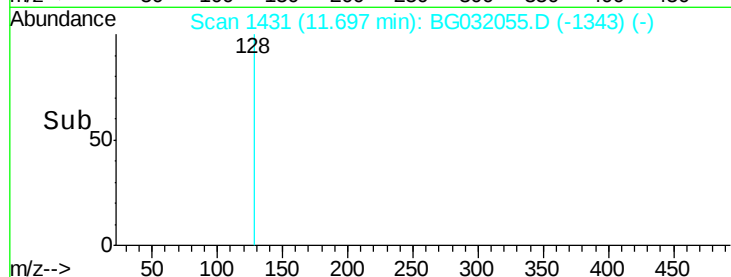
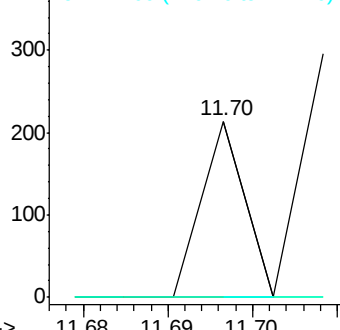
ClientSampleId :

SB-13-2.5-3.0

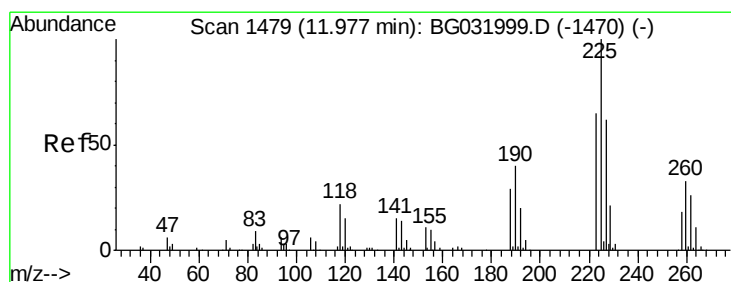
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 75    |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 0.0   | 8.6   | 12.8# |
| 127      | 0.0   | 11.6  | 17.4# |



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



Time-->



#34

Hexachlorobutadiene

Concen: 70.352 ng

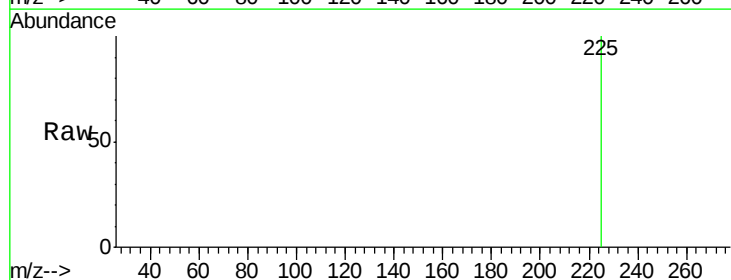
RT: 11.50 min Scan# 1397

Delta R.T. -0.48 min

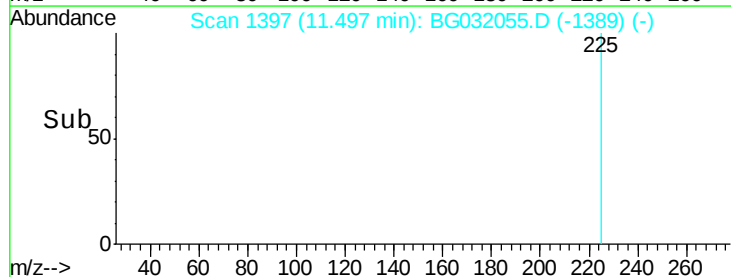
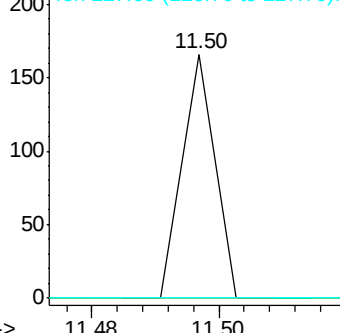
Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

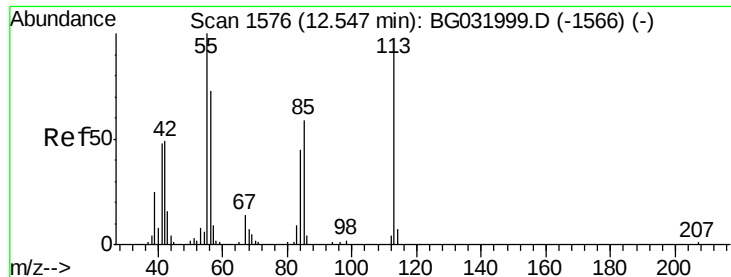
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 59    |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 49.7  | 74.5# |
| 227      | 0.0   | 48.1  | 72.1# |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E



Time-->



#35

Caprolactam

Concen: 222.399 ng

RT: 12.77 min Scan# 1613

Delta R.T. 0.22 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

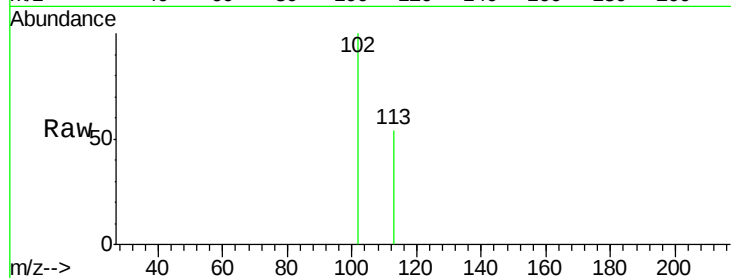
Tgt Ion:113 Resp: 61

Ion Ratio Lower Upper

113 100

55 0.0 186.9 226.9#

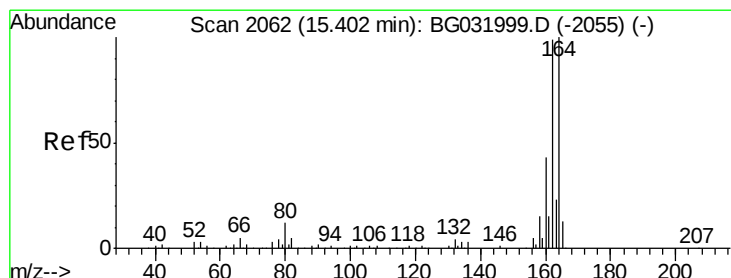
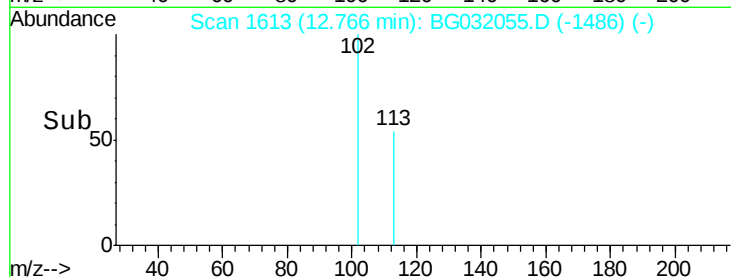
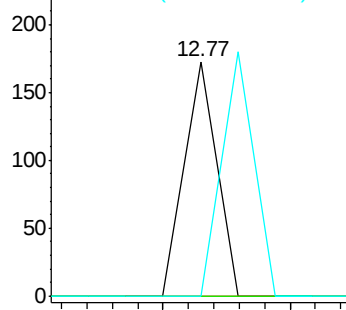
56 0.0 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.58 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

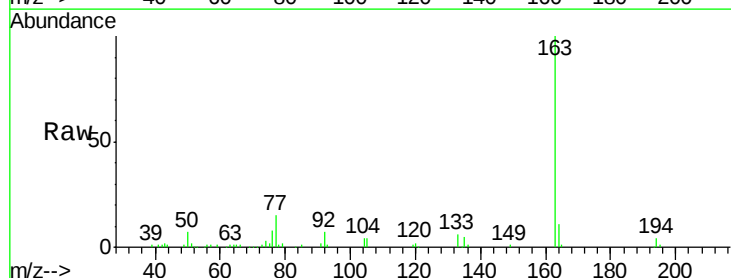
Tgt Ion:164 Resp: 7033

Ion Ratio Lower Upper

164 100

162 0.0 78.8 118.2#

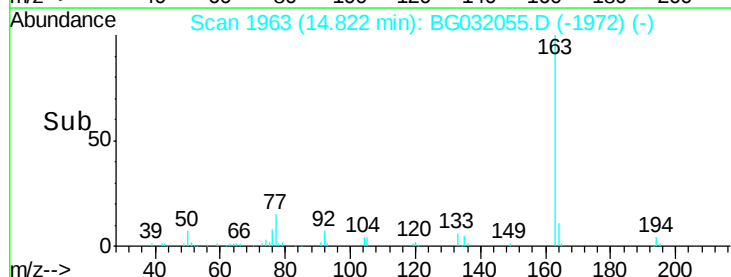
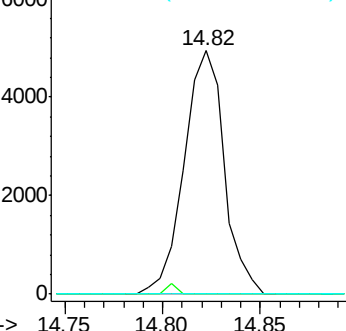
160 0.0 35.4 53.0#

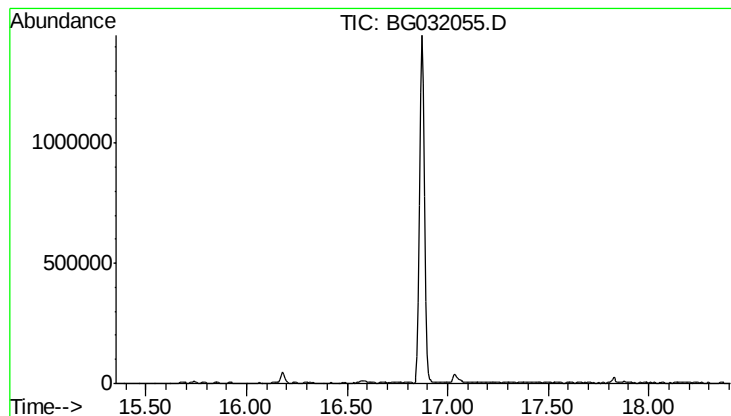


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

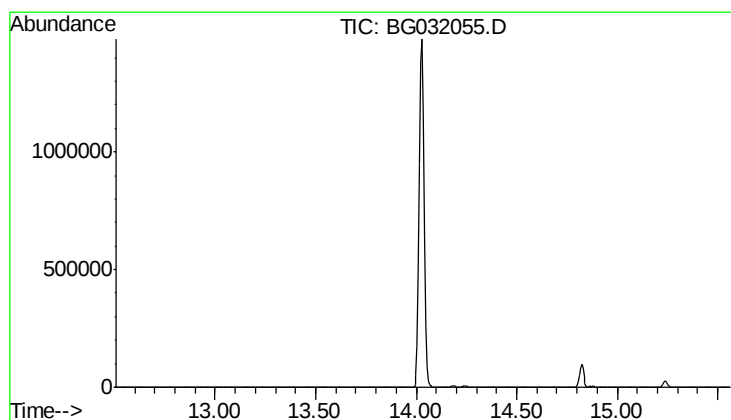
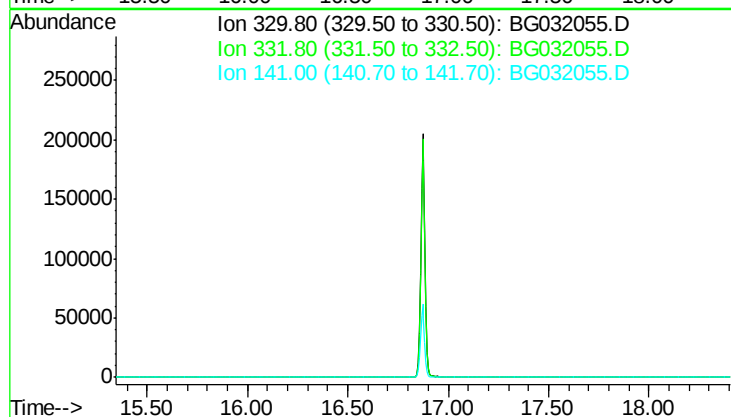




#41  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 16.88 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

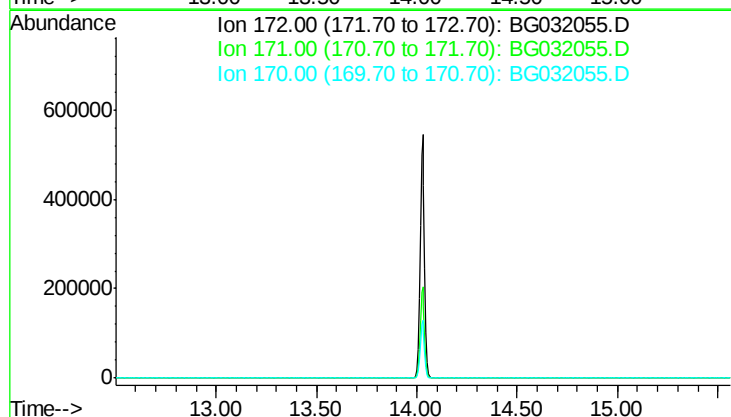
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

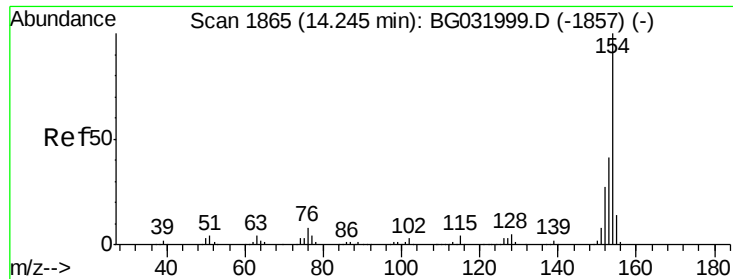
| Tgt Ion | Exp Ratio |
|---------|-----------|
| 330     | 100       |
| 332     | 96.3      |
| 141     | 31.5      |



#44  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 14.03 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

| Tgt Ion | Exp Ratio |
|---------|-----------|
| 172     | 100       |
| 171     | 37.5      |
| 170     | 24.4      |





#45

1,1'-Biphenyl

Concen: 2.780 ng

RT: 14.03 min Scan# 1828

Delta R.T. -0.22 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

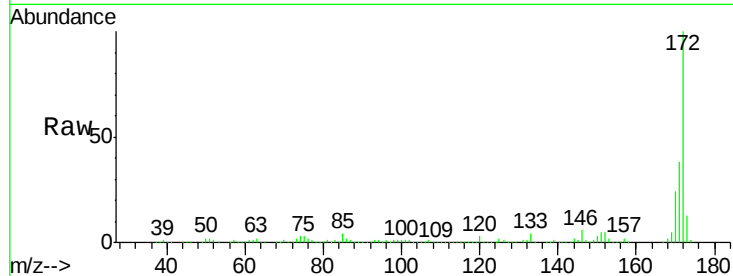
Tgt Ion:154 Resp: 1676

Ion Ratio Lower Upper

154 100

153 794.8 19.8 59.8#

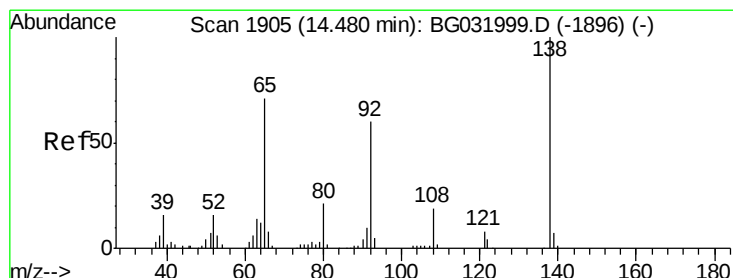
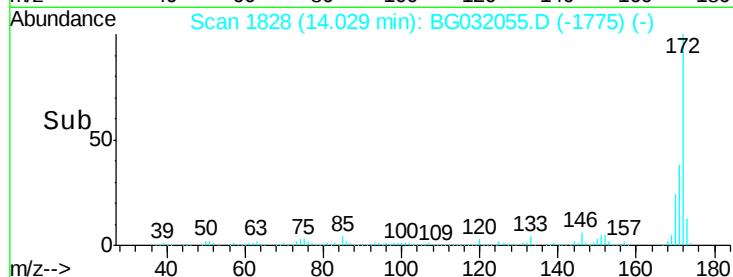
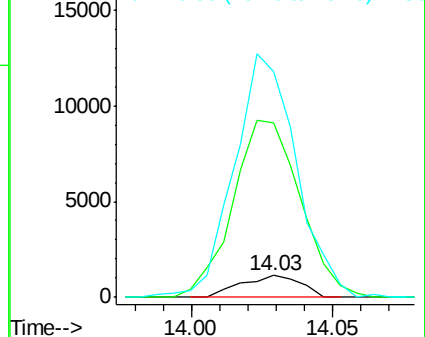
76 1027.2 0.0 31.9#



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): BGC



#47

2-Nitroaniline

Concen: 10.714 ng

RT: 14.02 min Scan# 1827

Delta R.T. -0.46 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

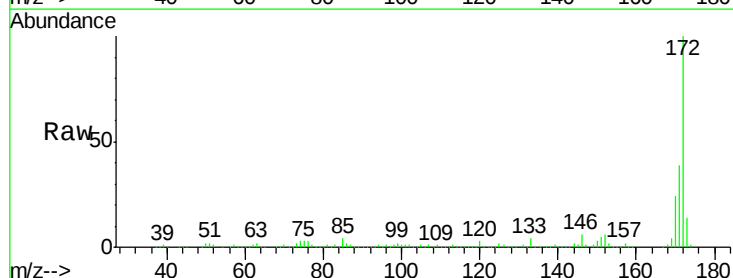
Tgt Ion: 65 Resp: 962

Ion Ratio Lower Upper

65 100

92 241.3 54.6 82.0#

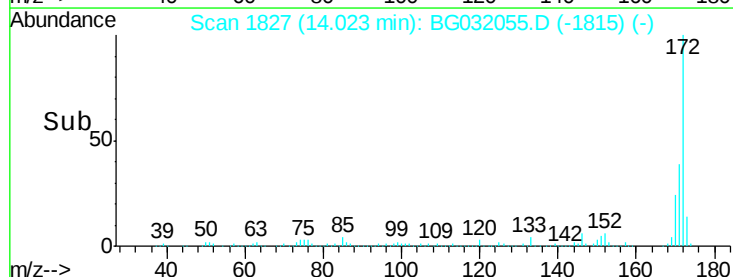
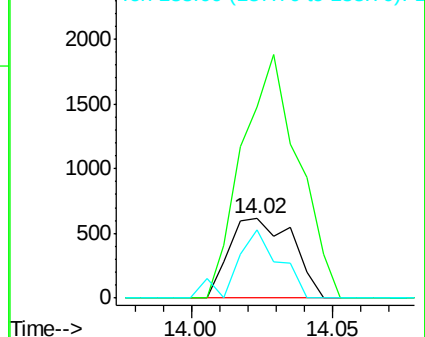
138 86.4 72.9 109.3

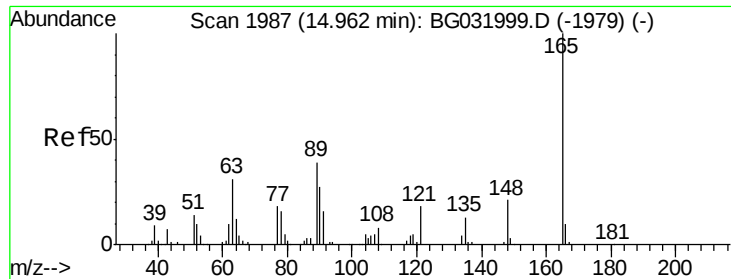


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

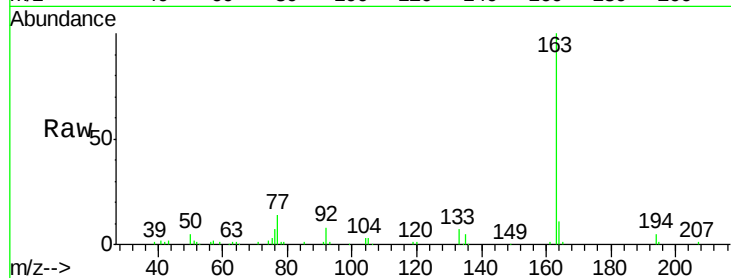




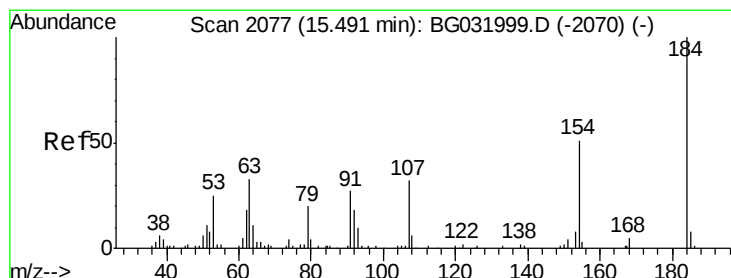
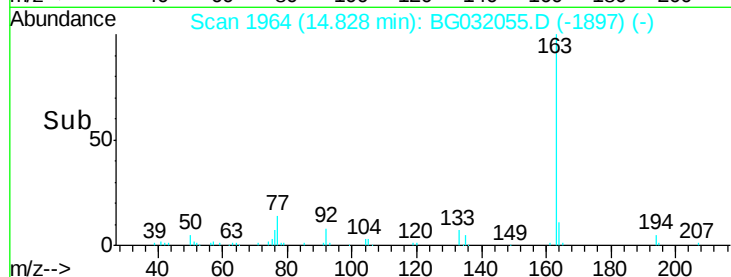
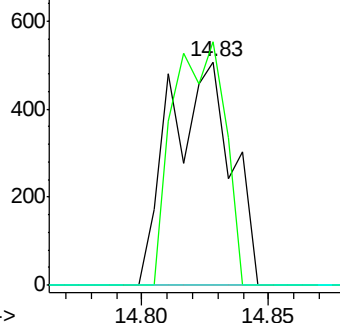
#50  
 2,6-Dinitrotoluene  
 Concen: 6.732 ng  
 RT: 14.83 min Scan# 1964  
 Delta R.T. -0.13 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

Tgt Ion:165 Resp: 860  
 Ion Ratio Lower Upper  
 165 100  
 63 109.1 52.7 79.1#  
 89 0.0 49.2 73.8#

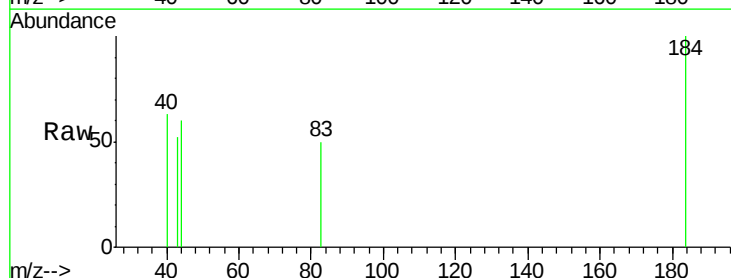


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

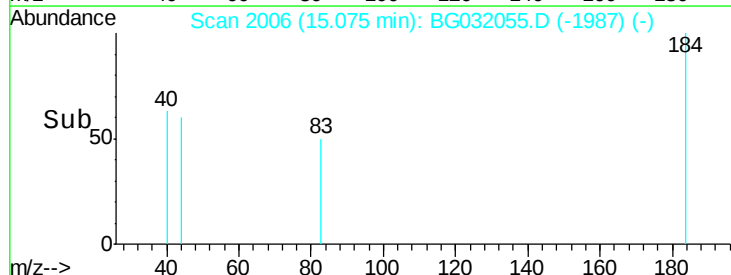
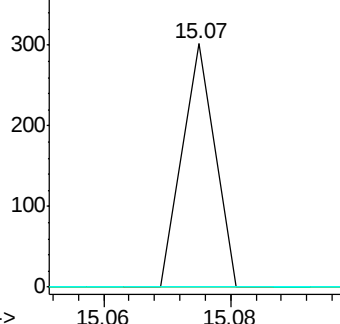


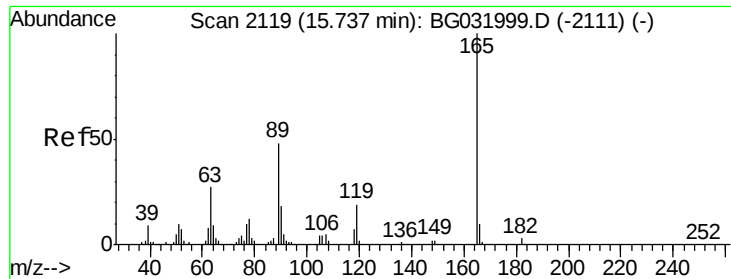
#53  
 2,4-Dinitrophenol  
 Concen: 8.474 ng  
 RT: 15.07 min Scan# 2006  
 Delta R.T. -0.42 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Tgt Ion:184 Resp: 106  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 59.8 89.8#  
 154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 154.00 (153.70 to 154.70): E

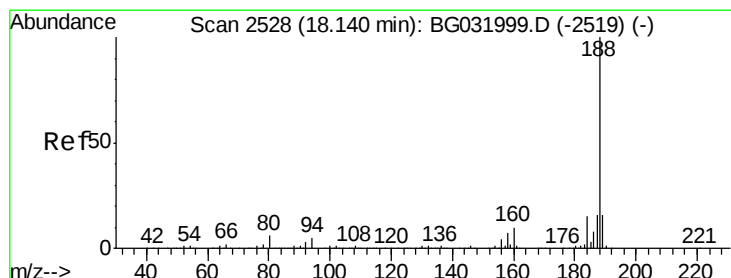
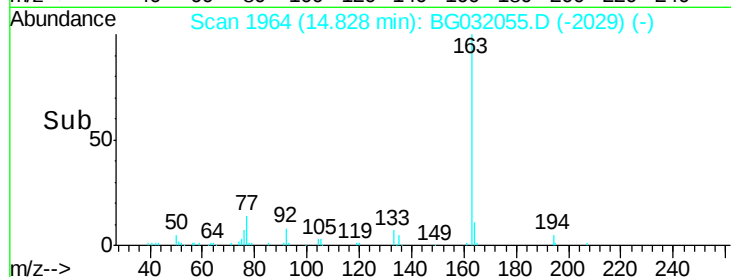
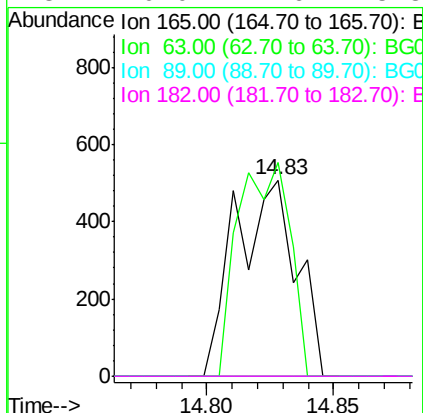
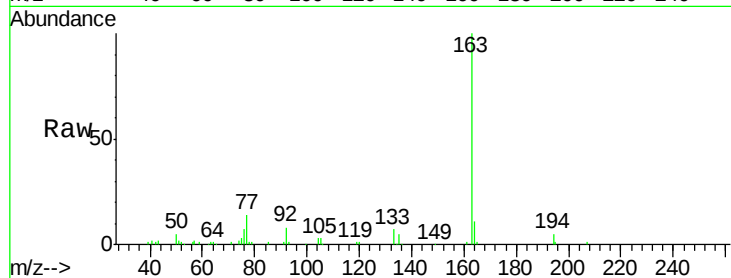




#56  
 2,4-Dinitrotoluene  
 Concen: 5.000 ng  
 RT: 14.83 min Scan# 1964  
 Delta R.T. -0.91 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

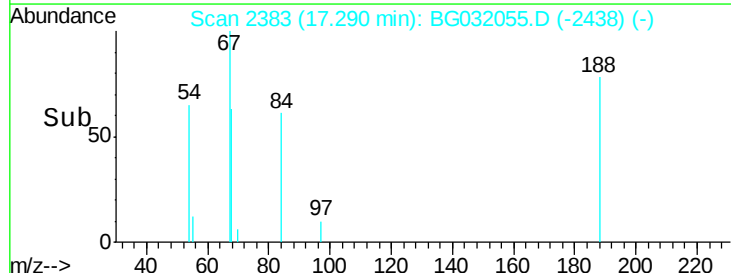
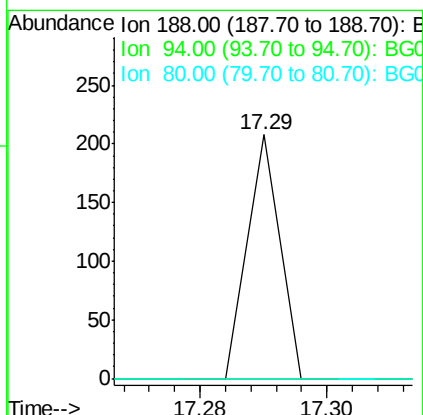
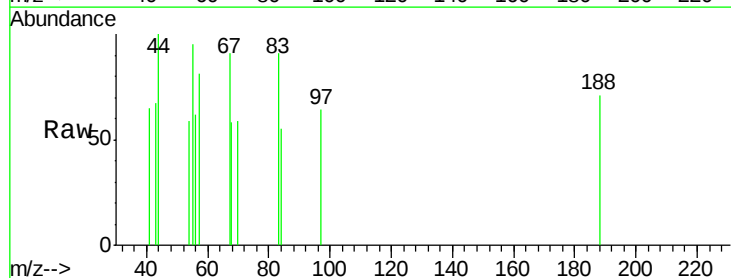
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

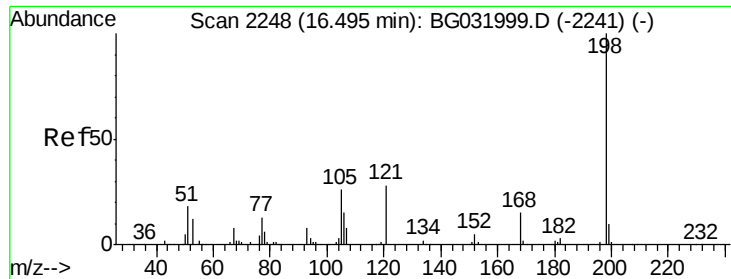
Tgt Ion:165 Resp: 860  
 Ion Ratio Lower Upper  
 165 100  
 63 109.1 42.0 63.0#  
 89 0.0 66.9 100.3#  
 182 0.0 2.6 3.8#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.29 min Scan# 2383  
 Delta R.T. -0.85 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Tgt Ion:188 Resp: 73  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 6.9 10.3#  
 80 0.0 7.7 11.5#

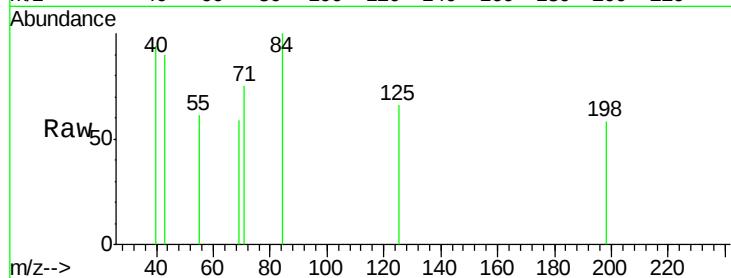




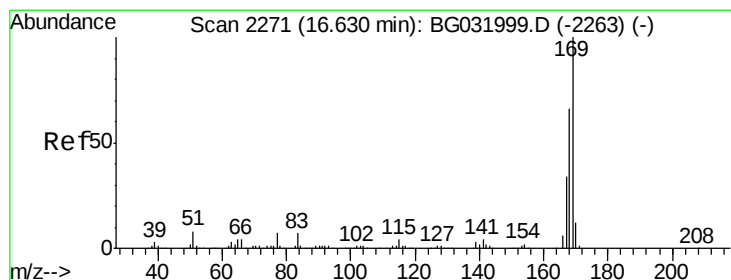
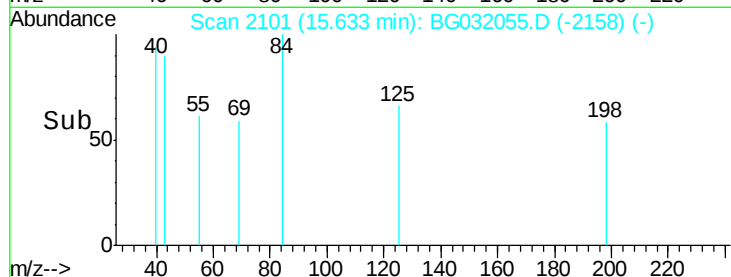
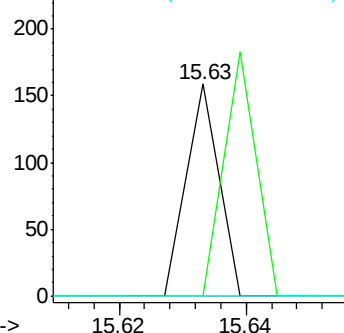
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 112.539 ng  
 RT: 15.63 min Scan# 2101  
 Delta R.T. -0.86 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

Tgt Ion:198 Resp: 56  
 Ion Ratio Lower Upper  
 198 100  
 51 0.0 30.6 70.6#  
 105 0.0 23.8 63.8#

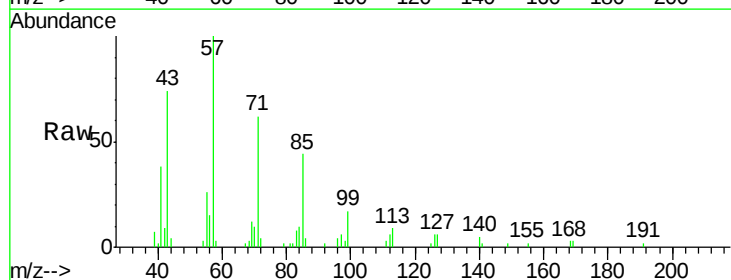


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BGC  
 Ion 105.00 (104.70 to 105.70): E

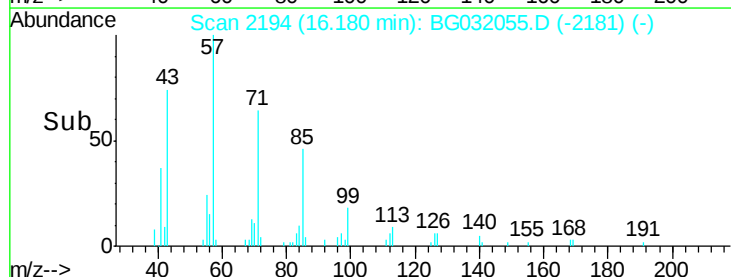
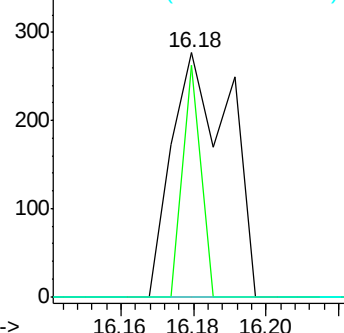


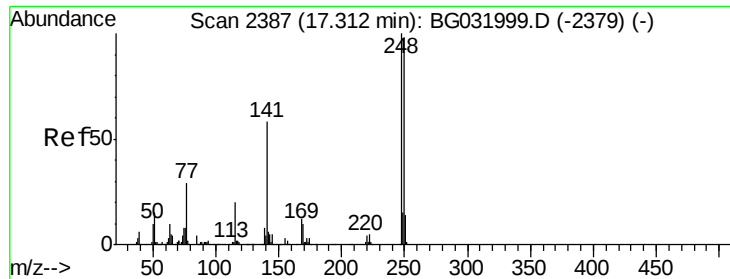
#65  
 n-Nitrosodiphenylamine  
 Concen: 138.141 ng  
 RT: 16.18 min Scan# 2194  
 Delta R.T. -0.45 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

Tgt Ion:169 Resp: 306  
 Ion Ratio Lower Upper  
 169 100  
 168 94.9 55.7 83.5#  
 167 0.0 30.1 45.1#



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

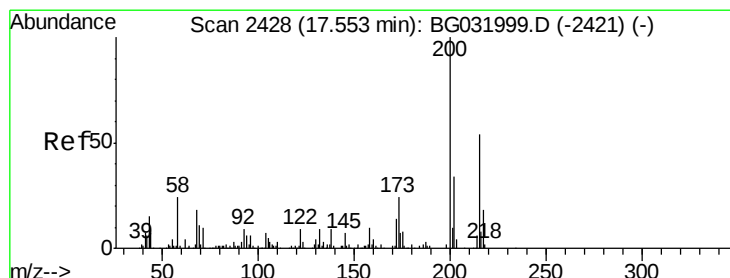
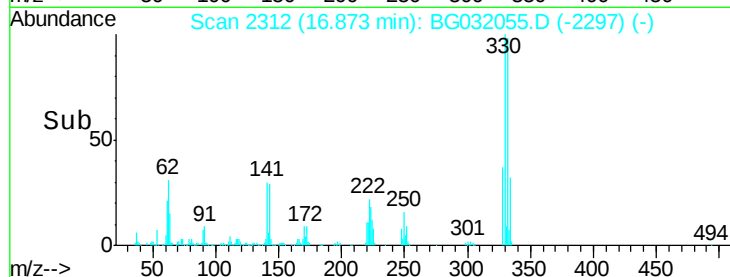
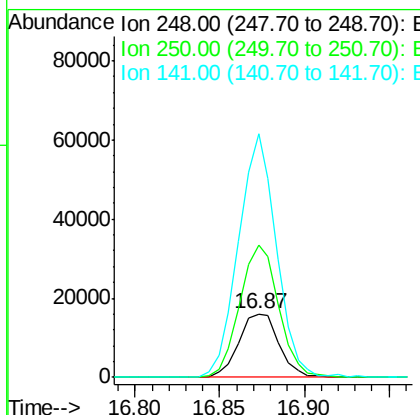
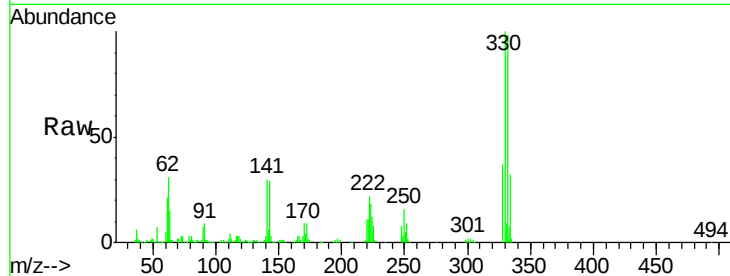




#66  
4-Bromophenyl-phenylether  
Concen: 25538.741 ng  
RT: 16.87 min Scan# 2312  
Delta R.T. -0.44 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

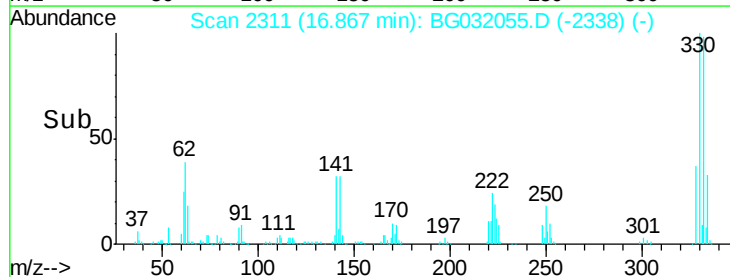
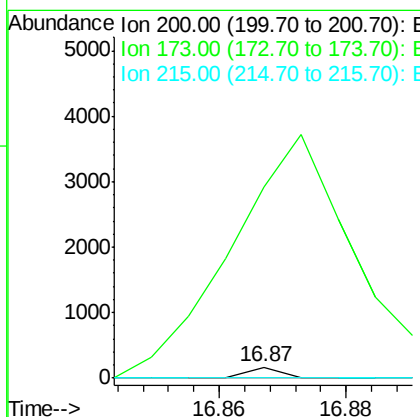
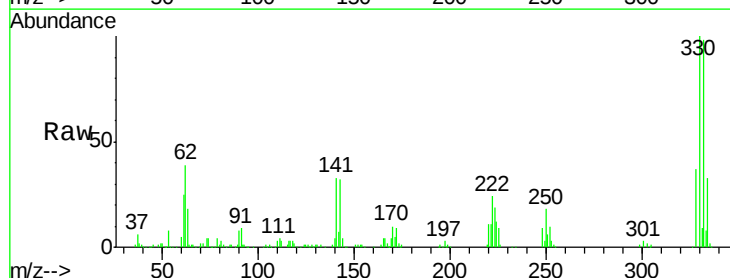
Instrument :  
BNA\_G  
ClientSampleId :  
SB-13-2.5-3.0

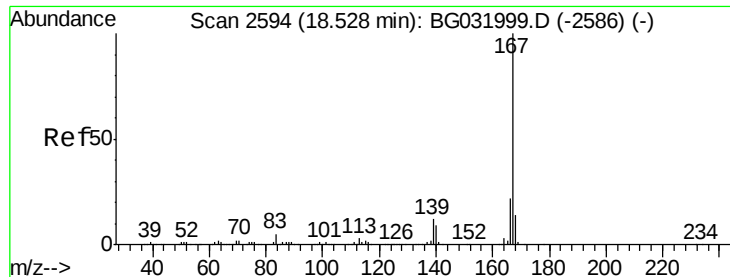
Tgt Ion:248 Resp: 26526  
Ion Ratio Lower Upper  
248 100  
250 209.2 77.1 115.7#  
141 385.3 50.8 76.2#



#68  
Atrazine  
Concen: 64.408 ng  
RT: 16.87 min Scan# 2311  
Delta R.T. -0.69 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

Tgt Ion:200 Resp: 60  
Ion Ratio Lower Upper  
200 100  
173 1727.8 5.2 45.2#  
215 0.0 30.4 70.4#





#72

Carbazole

Concen: 17.346 ng

RT: 17.72 min Scan# 2457

Delta R.T. -0.80 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

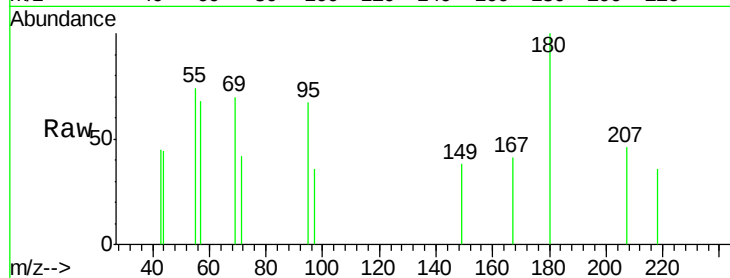
Tgt Ion:167 Resp: 61

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

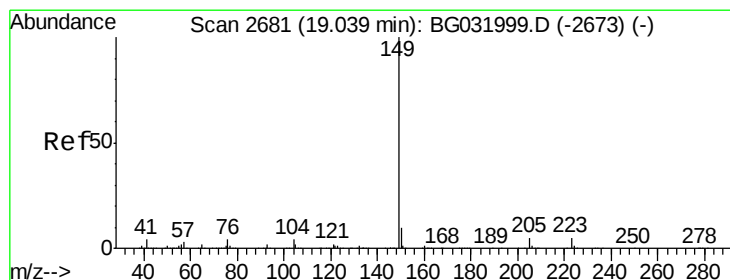
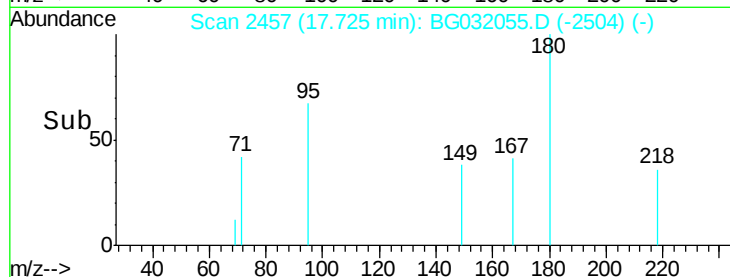
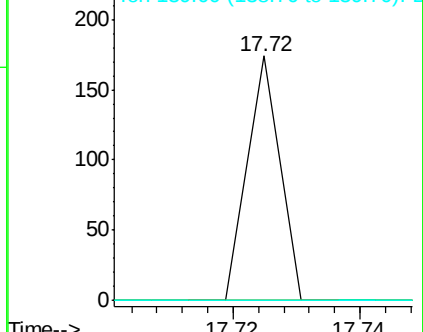
139 0.0 9.4 14.2#



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: 15.643 ng

RT: 18.17 min Scan# 2533

Delta R.T. -0.87 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

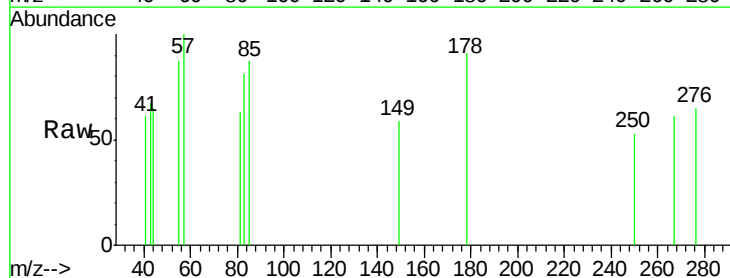
Tgt Ion:149 Resp: 65

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

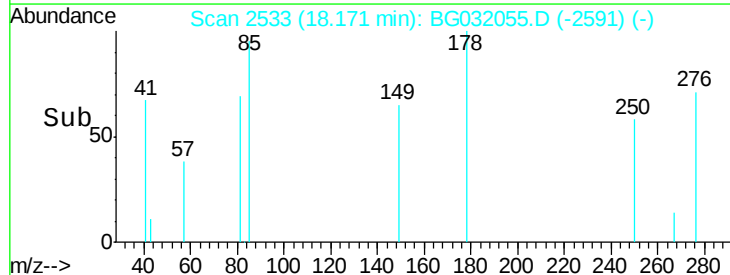
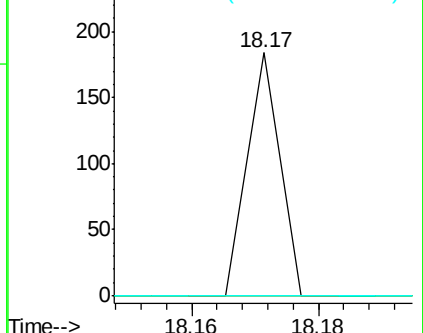
104 0.0 3.9 5.9#

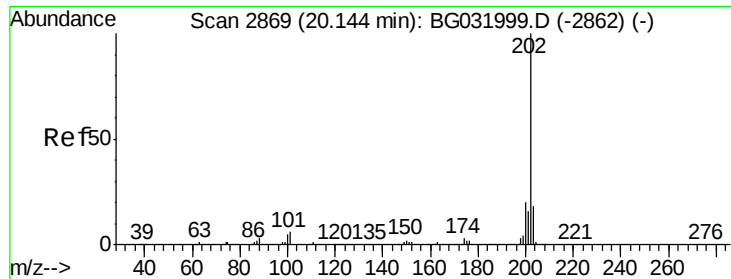


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

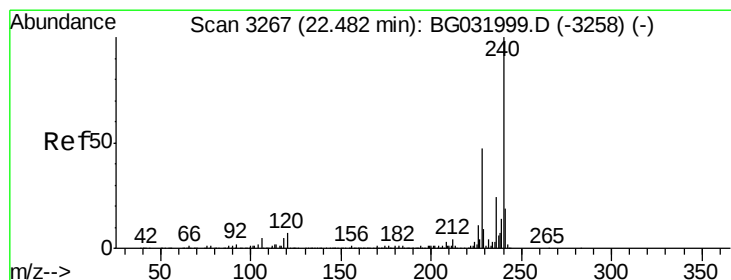
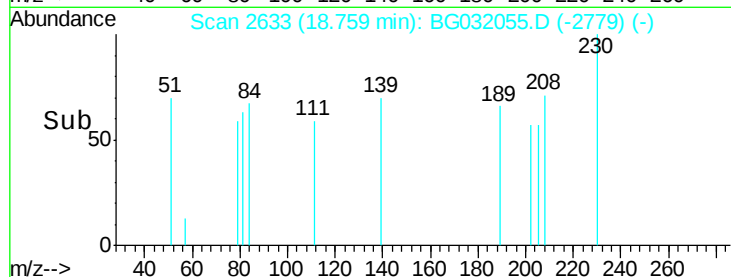
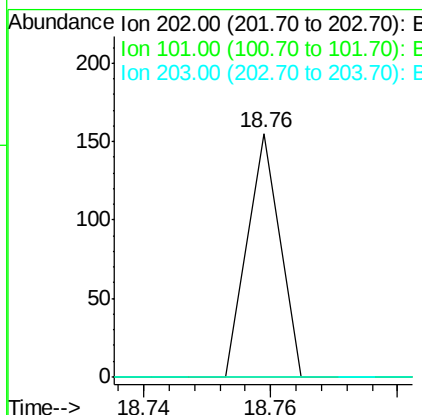
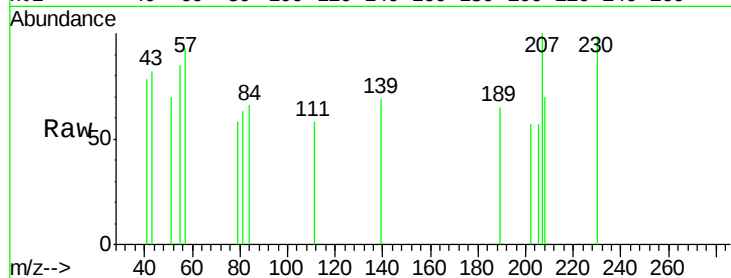




#74  
 Fluoranthene  
 Concen: 10.808 ng  
 RT: 18.76 min Scan# 2633  
 Delta R.T. -1.39 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

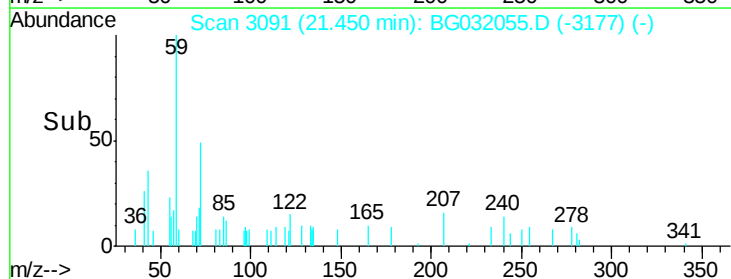
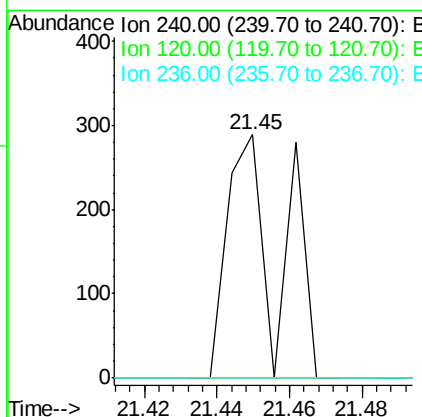
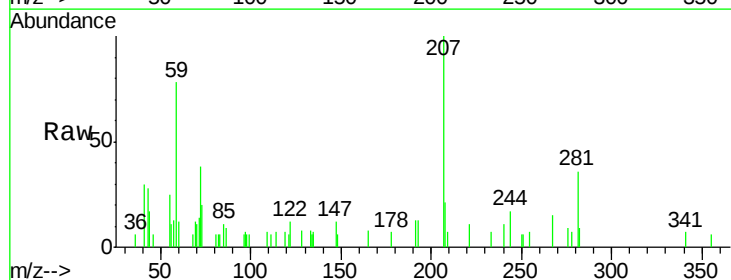
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

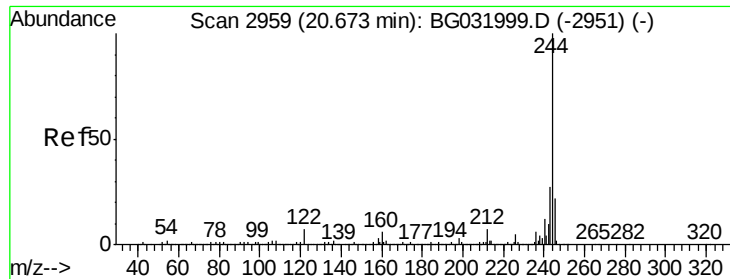
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 0.0   | 0.0   | 28.9  |
| 203     | 0.0   | 0.0   | 37.5  |



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.45 min Scan# 3091  
 Delta R.T. -1.03 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 0.0   | 6.8   | 10.2# |
| 236     | 0.0   | 20.9  | 31.3# |





#78

Terphenyl-d14

Concen: 35.929 ng

RT: 19.28 min Scan# 2721

Delta R.T. -1.40 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

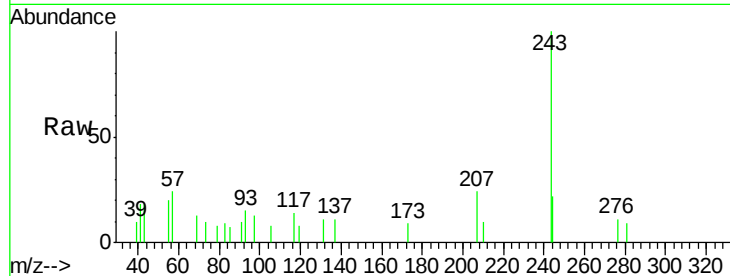
Tgt Ion:244 Resp: 467

Ion Ratio Lower Upper

244 100

212 0.0 5.8 8.8#

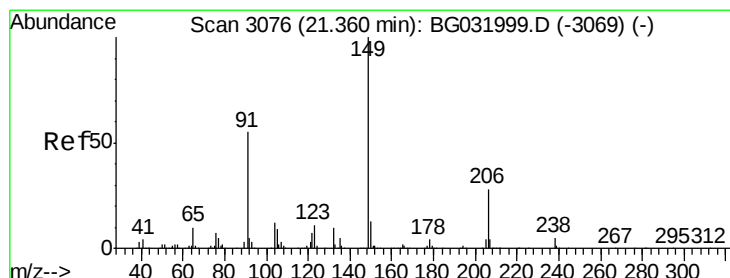
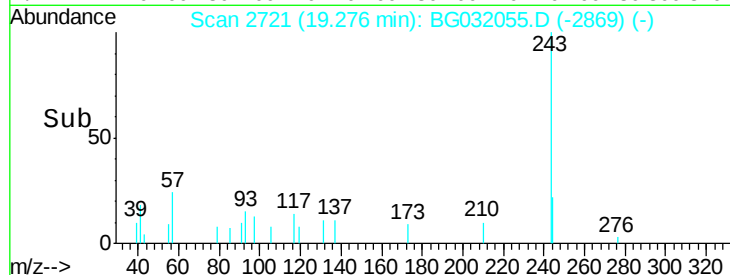
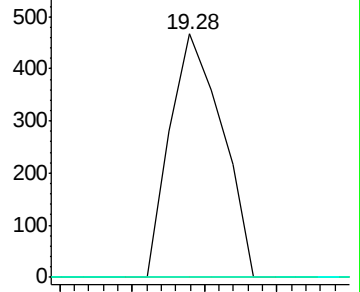
122 0.0 7.0 10.4#



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: 9.282 ng

RT: 20.37 min Scan# 2907

Delta R.T. -0.99 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

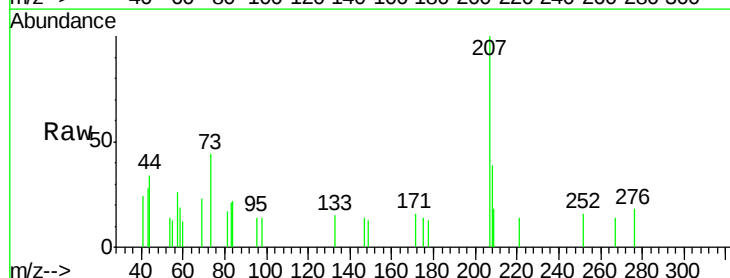
Tgt Ion:149 Resp: 60

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

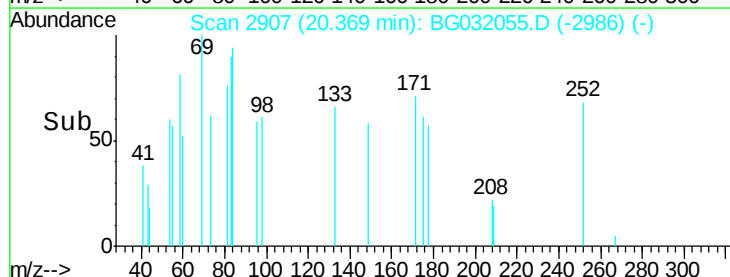
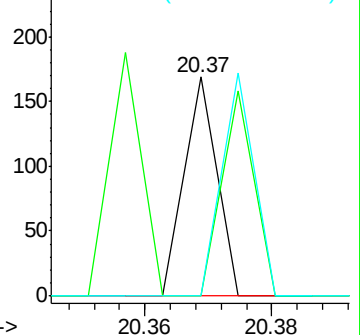
206 0.0 18.6 27.8#

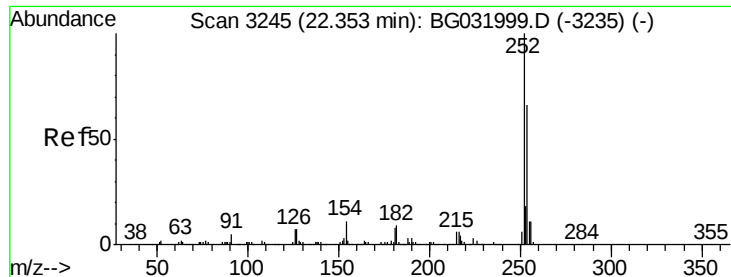


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

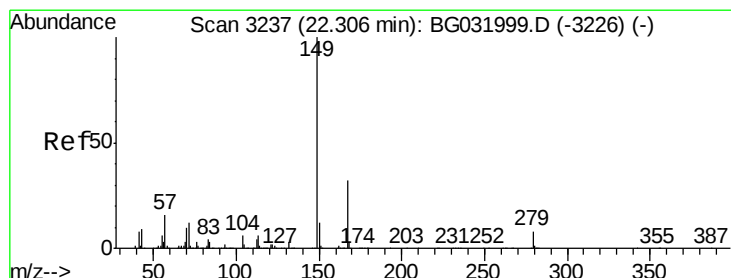
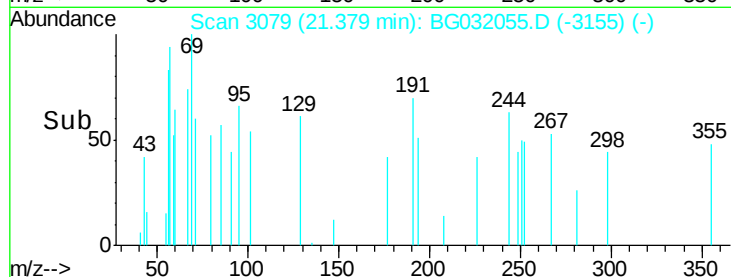
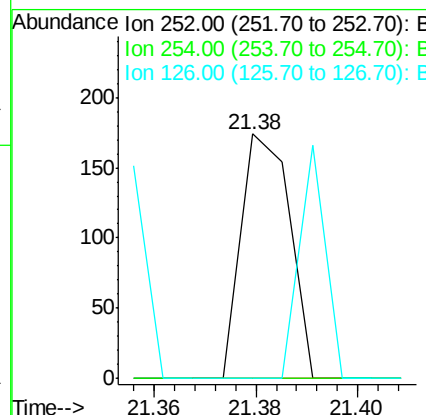
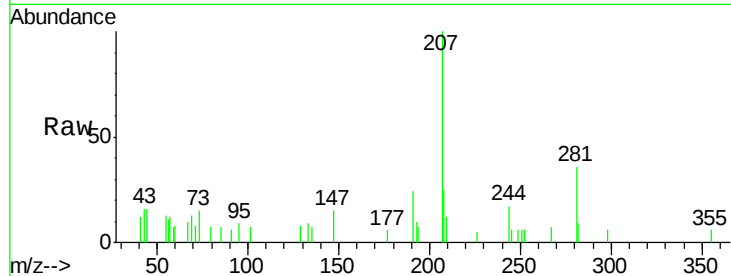




#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.398 ng  
 RT: 21.38 min Scan# 3079  
 Delta R.T. -0.97 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

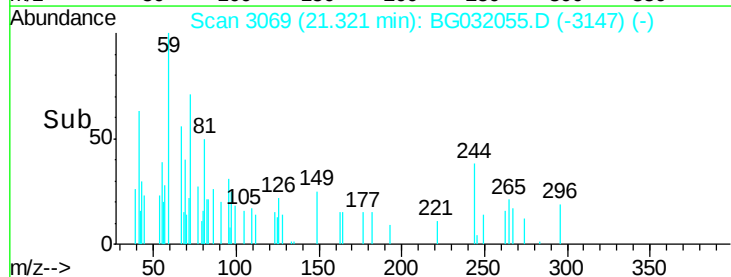
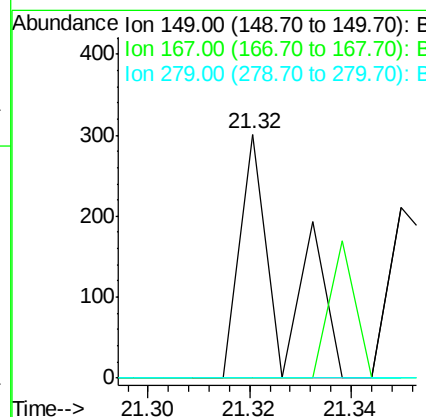
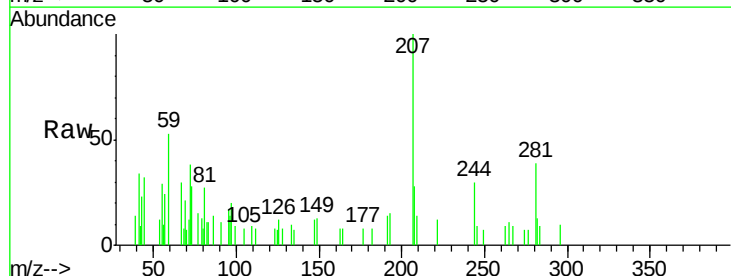
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-13-2.5-3.0

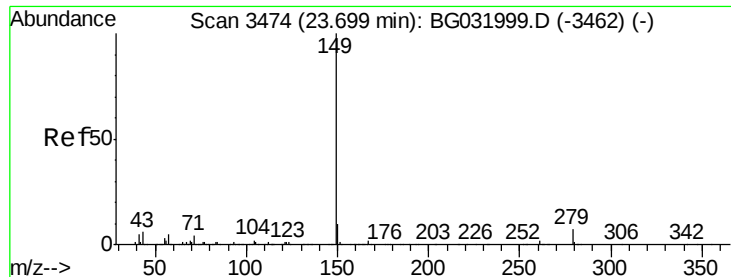
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 0.0   | 50.8  | 76.2# |
| 126     | 0.0   | 7.4   | 11.2# |



#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 18.462 ng  
 RT: 21.32 min Scan# 3069  
 Delta R.T. -0.99 min  
 Lab File: BG032055.D  
 Acq: 16 Jan 2018 6:05

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





#84

Di-n-octyl phthalate

Concen: 4.583 ng

RT: 22.58 min Scan# 3283

Delta R.T. -1.12 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

Instrument :

BNA\_G

ClientSampleId :

SB-13-2.5-3.0

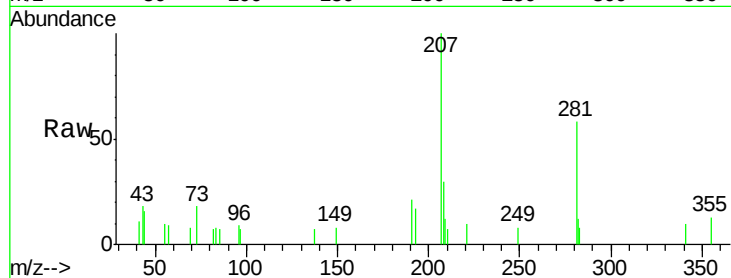
Tgt Ion:149 Resp: 69

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

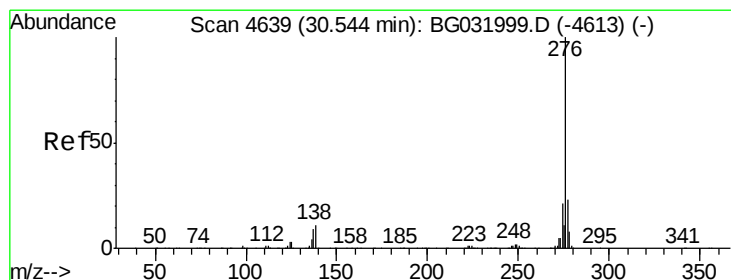
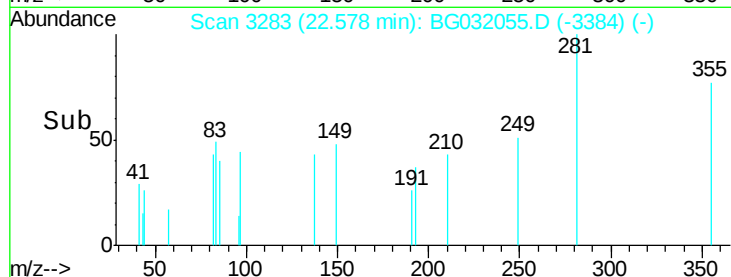
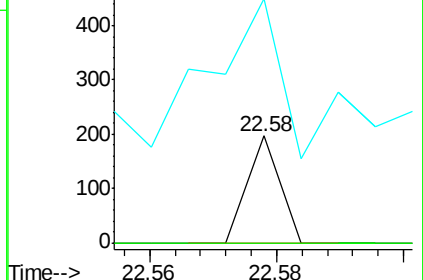
43 413.0 8.9 13.3#



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): B



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.908 ng

RT: 29.19 min Scan# 4409

Delta R.T. -1.35 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

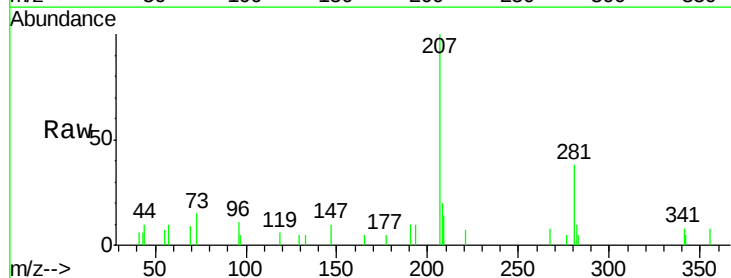
Tgt Ion:276 Resp: 61

Ion Ratio Lower Upper

276 100

138 0.0 16.0 24.0#

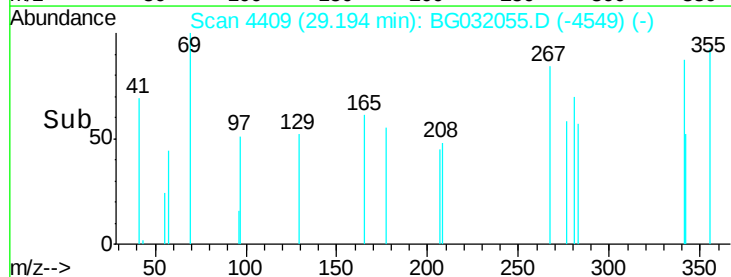
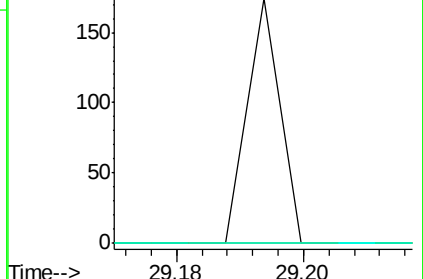
277 0.0 20.0 30.0#

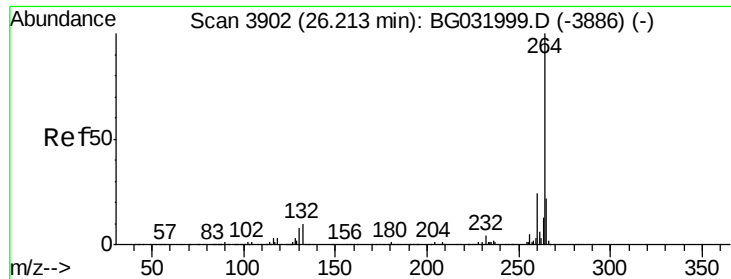


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



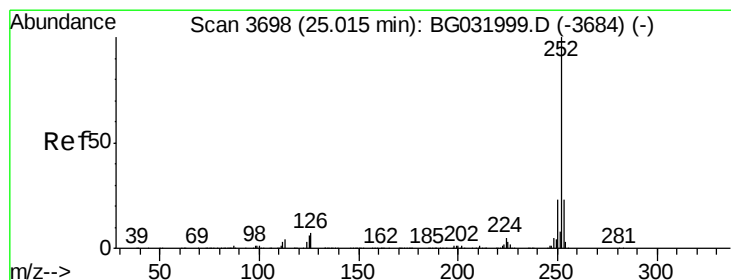
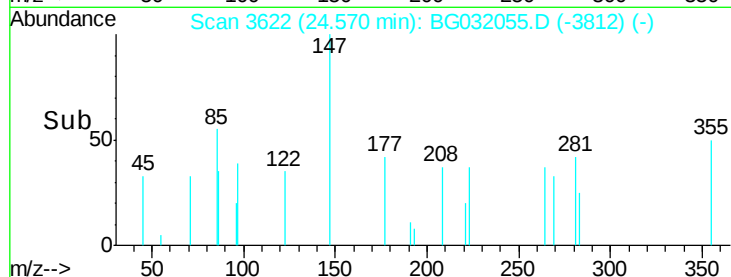
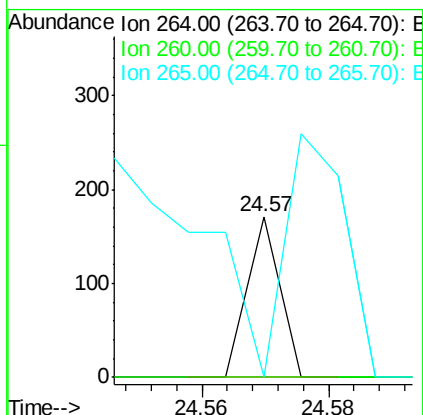
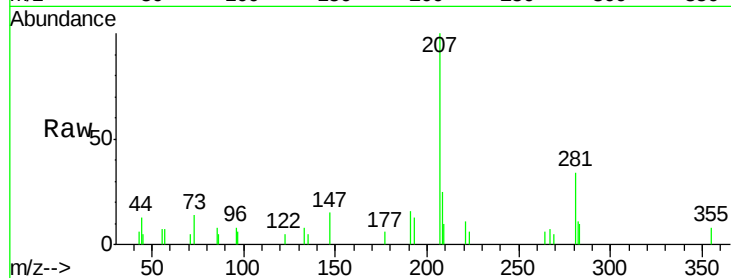


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.57 min Scan# 3622  
Delta R.T. -1.64 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

Instrument :  
BNA\_G  
ClientSampleId :  
SB-13-2.5-3.0

Tgt Ion: 264 Resp: 60  

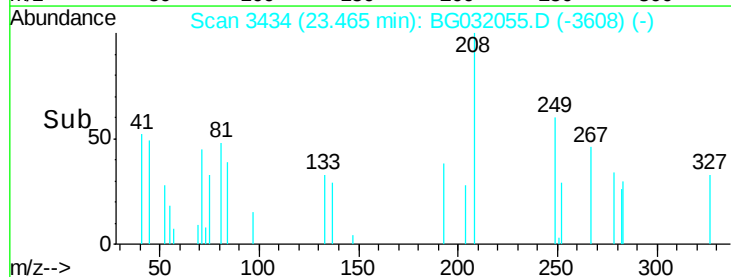
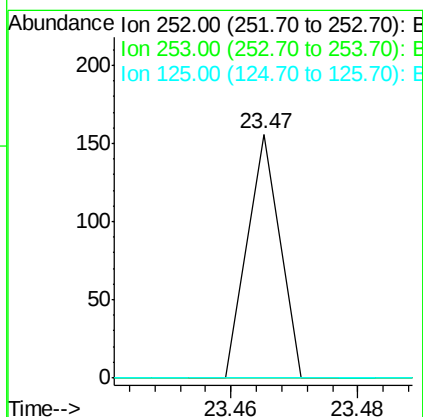
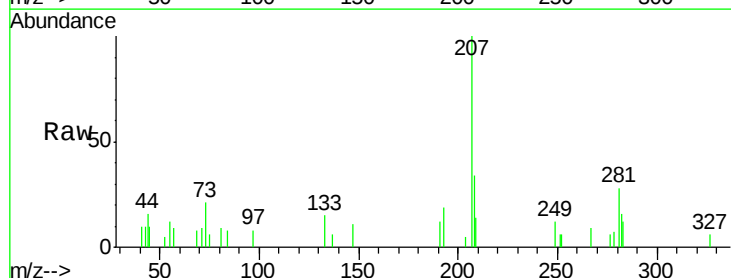
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 0.0   | 17.4  | 26.0# |
| 265 | 0.0   | 17.7  | 26.5# |

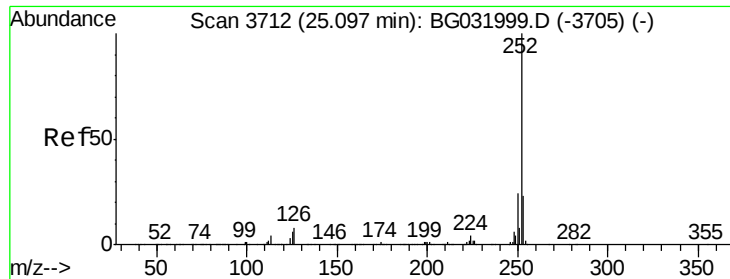


#87  
Benzo(b)fluoranthene  
Concen: 15.165 ng  
RT: 23.47 min Scan# 3434  
Delta R.T. -1.55 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

Tgt Ion: 252 Resp: 55  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 0.0   | 18.2  | 27.4# |
| 125 | 0.0   | 7.2   | 10.8# |

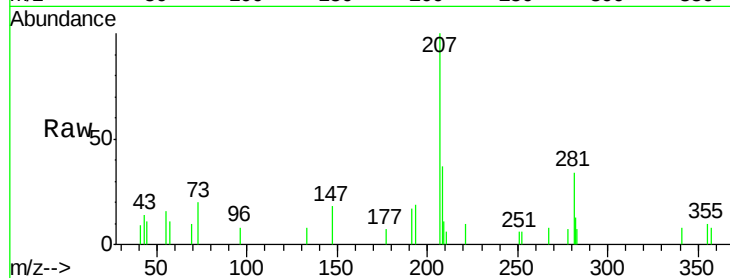




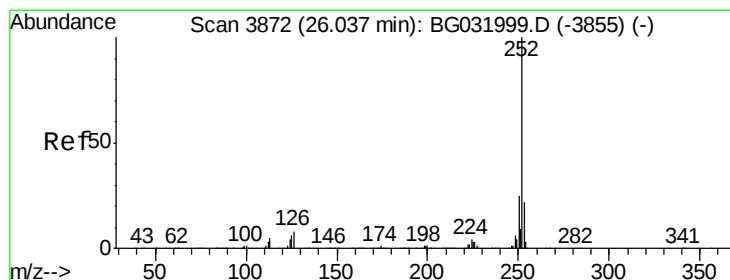
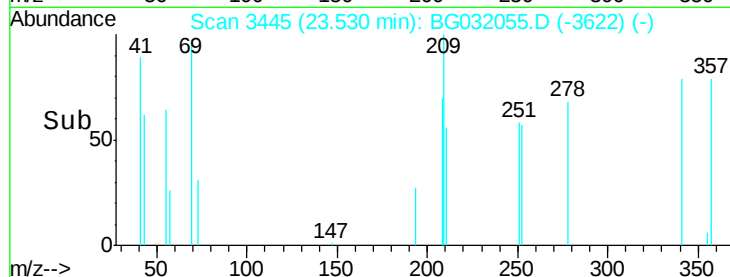
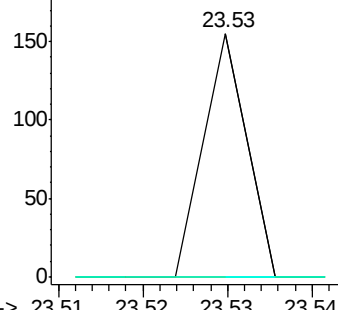
#88  
Benzo(k)fluoranthene  
Concen: 15.520 ng  
RT: 23.53 min Scan# 3445  
Delta R.T. -1.57 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

Instrument :  
BNA\_G  
ClientSampleId :  
SB-13-2.5-3.0

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

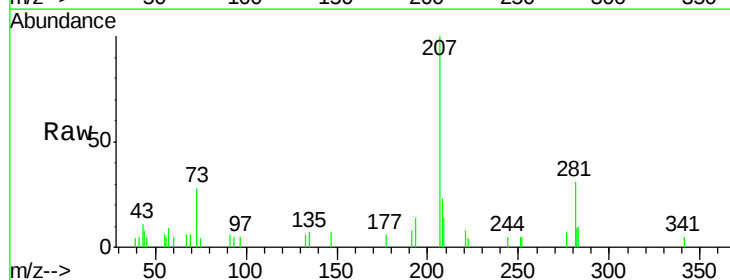


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

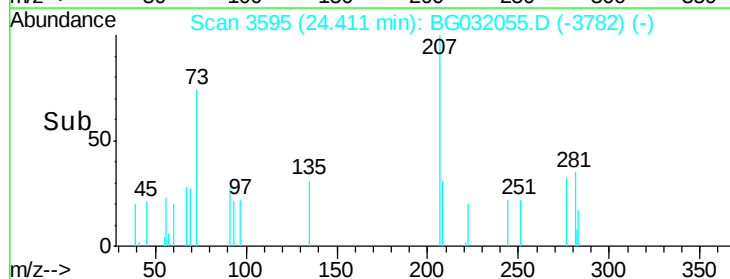
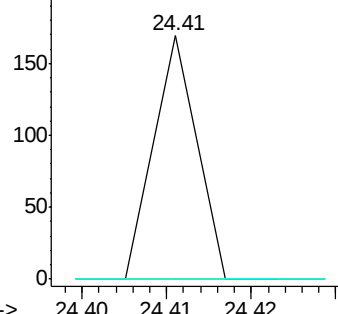


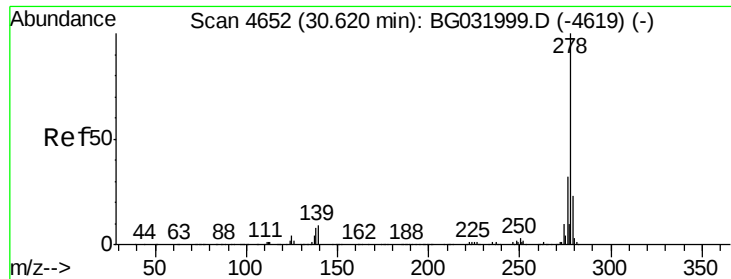
#89  
Benzo(a)pyrene  
Concen: 17.489 ng  
RT: 24.41 min Scan# 3595  
Delta R.T. -1.63 min  
Lab File: BG032055.D  
Acq: 16 Jan 2018 6:05

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



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 16.637 ng

RT: 28.72 min Scan# 4329

Delta R.T. -1.90 min

Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

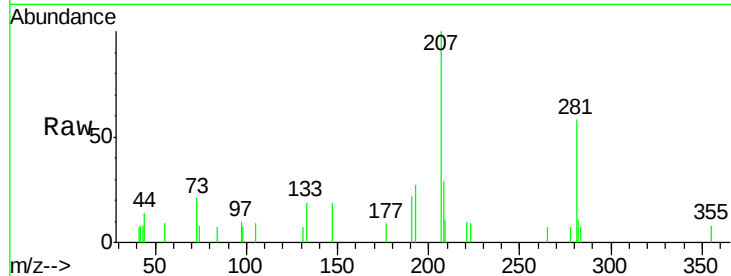
Instrument :

BNA\_G

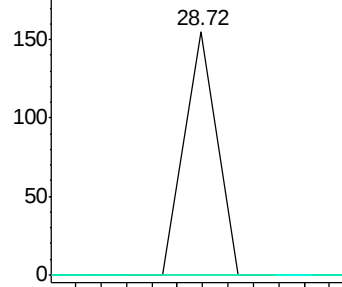
ClientSampleId :

SB-13-2.5-3.0

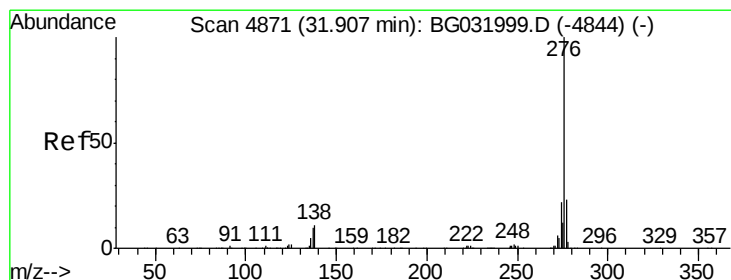
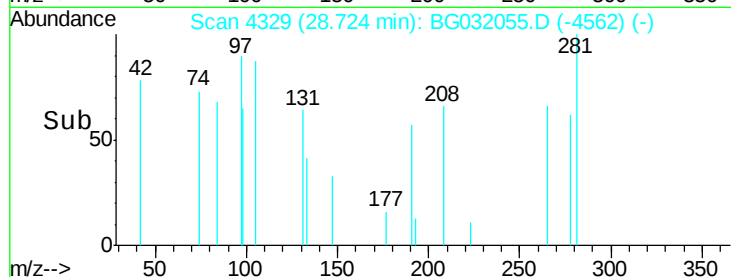
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 55    |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 0.0   | 9.8   | 14.6# |
| 279      | 0.0   | 18.4  | 27.6# |



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



Time-->



#91

Benzo(g,h,i)perylene

Concen: 70.435 ng

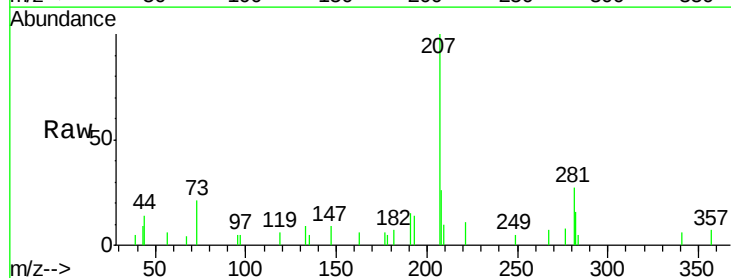
RT: 29.96 min Scan# 4539

Delta R.T. -1.95 min

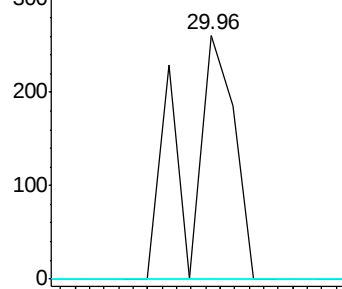
Lab File: BG032055.D

Acq: 16 Jan 2018 6:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 238   |
| 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



Time-->

