

Data Path : U:\HPCHEM1\BNA G\DATA\BG011818\  
 Data File : BG032148.D  
 Acq On : 18 Jan 2018 22:39  
 Operator : SJ/JU  
 Sample : J1187-03  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 19 00:33:06 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 18 10:13:16 2018  
 Response via : Initial Calibration

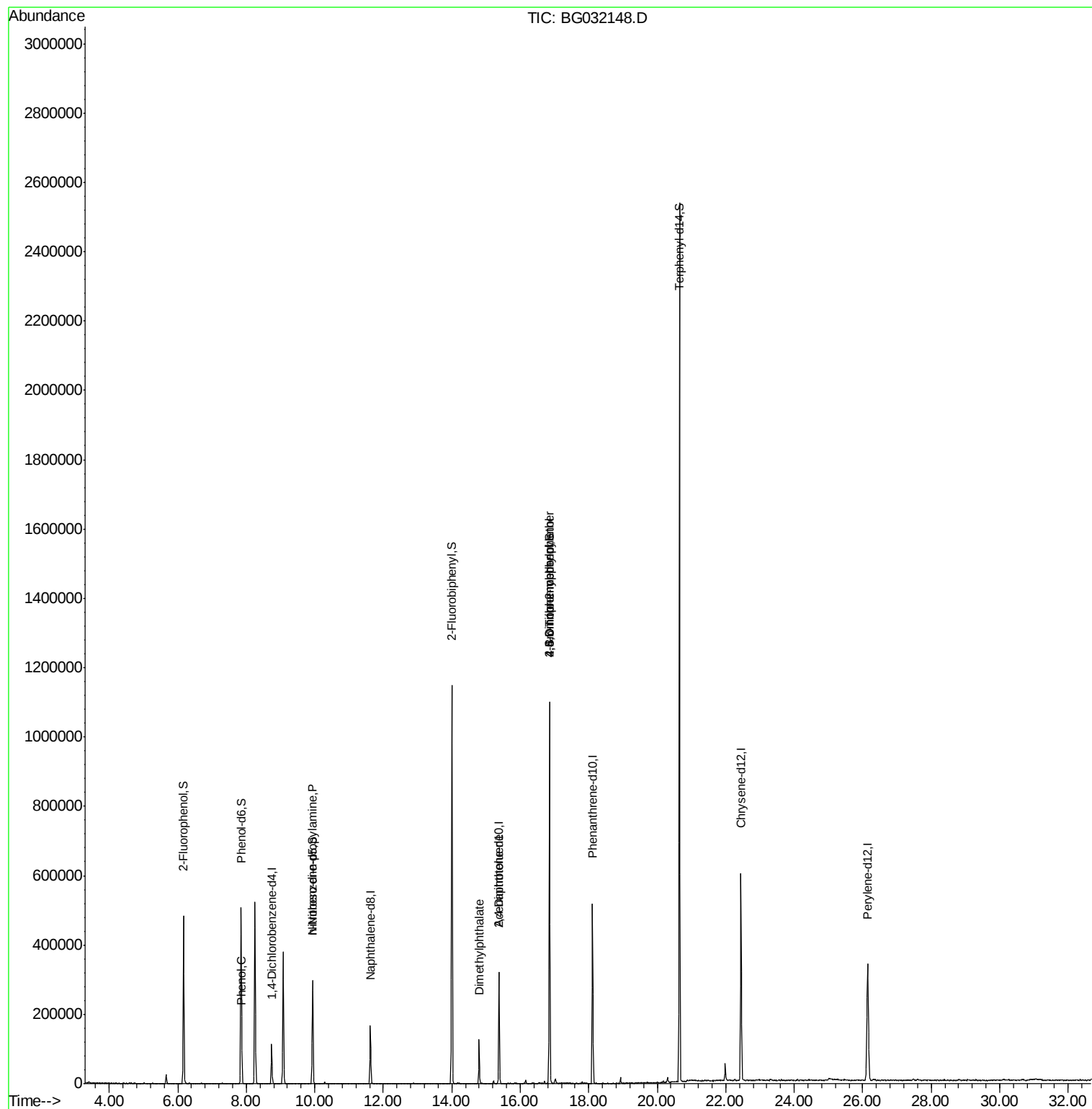
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.75  | 152  | 38630    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 11.62 | 136  | 167313   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.38 | 164  | 123751   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.11 | 188  | 347435   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.45 | 240  | 456464   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.14 | 264  | 461513   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.17  | 112  | 240315   | 113.78 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.85  | 99   | 320243   | 120.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.94  | 82   | 190974   | 77.22  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 16.85 | 330  | 249919   | 122.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.00 | 172  | 679565   | 68.09  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.65 | 244  | 1390150  | 67.25  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.88  | 94   | 12502    | 4.771  | ng    | 93       |
| 19) n-Nitroso-di-n-propylamine | 9.94  | 70   | 26046    | 15.781 | ng    | # 72     |
| 49) Dimethylphthalate          | 14.80 | 163  | 96677    | 8.927  | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 15.38 | 165  | 15825    | 5.229  | ng    | # 20     |
| 64) 4,6-Dinitro-2-methylphenol | 16.85 | 198  | 780      | 5.199  | ng    | # 34     |
| 66) 4-Bromophenyl-phenylether  | 16.85 | 248  | 21181    | 4.285  | ng    | # 1      |

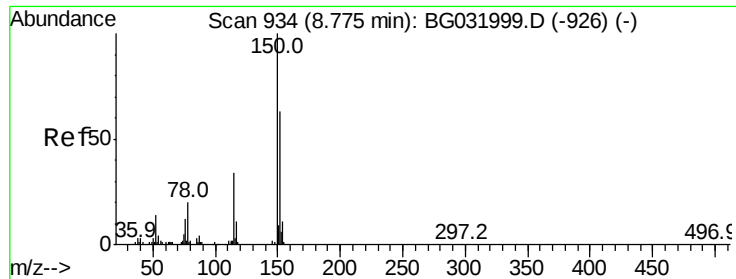
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.75 min Scan# 929

Delta R.T. 0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

Instrument :

BNA\_G

ClientSampled :

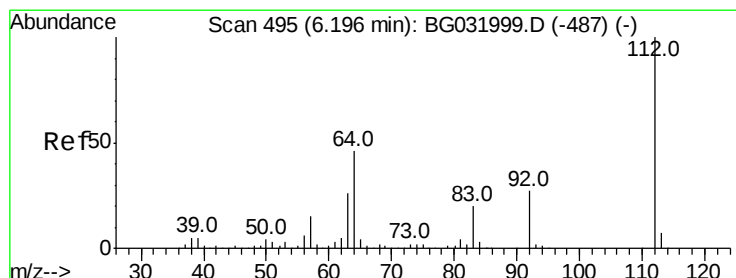
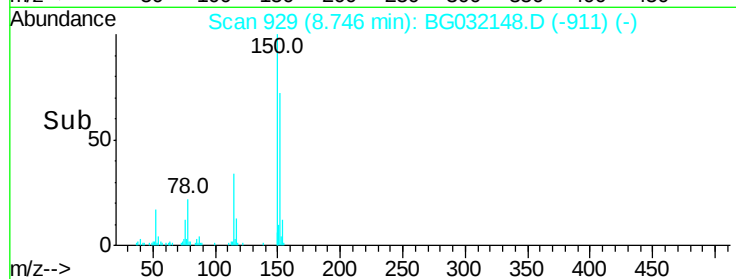
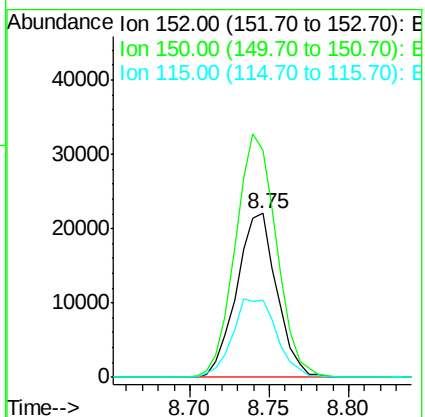
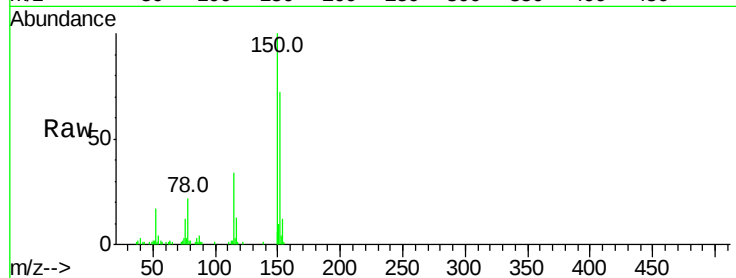
Tot Ion:152 Resp: 38630

Ion Ratio Lower Upper

152 100

150 138.6 126.6 189.8

115 47.5 53.0 79.4#



#5

2-Fluorophenol

Concen: 113.777 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

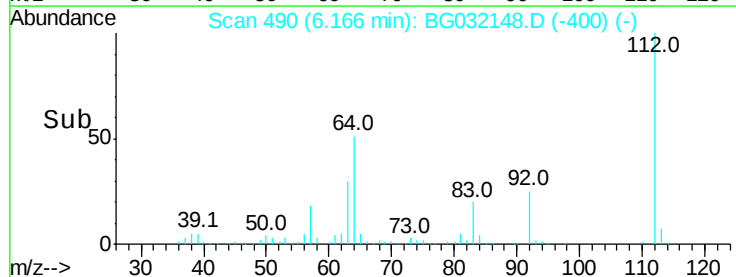
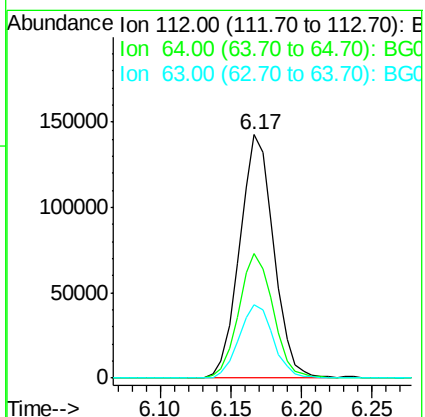
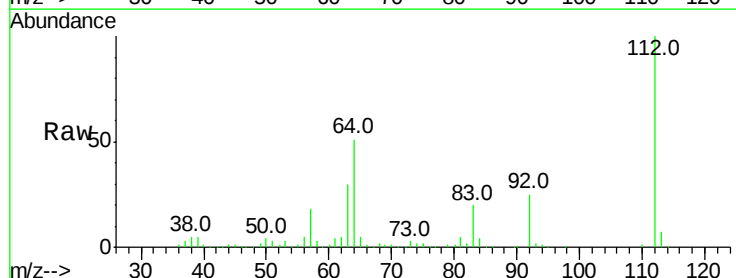
Tgt Ion:112 Resp: 240315

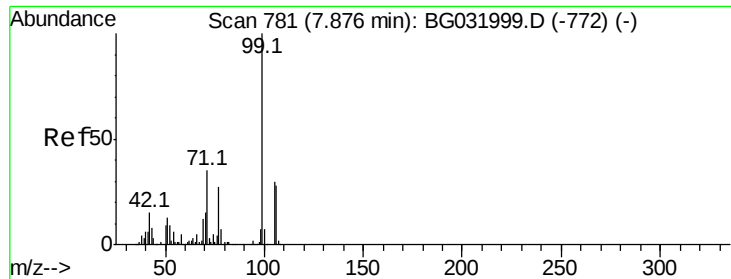
Ion Ratio Lower Upper

112 100

64 50.9 56.3 84.5#

63 30.1 30.1 45.1#





#7

Phenol-d6

Concen: 120.386 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

Instrument :

BNA\_G

ClientSampleId :

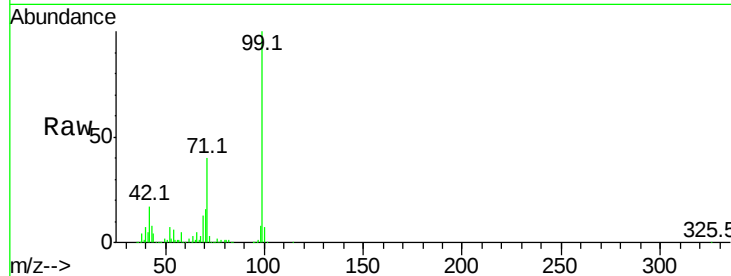
Tot Ion: 99 Resp: 320243

Ion Ratio Lower Upper

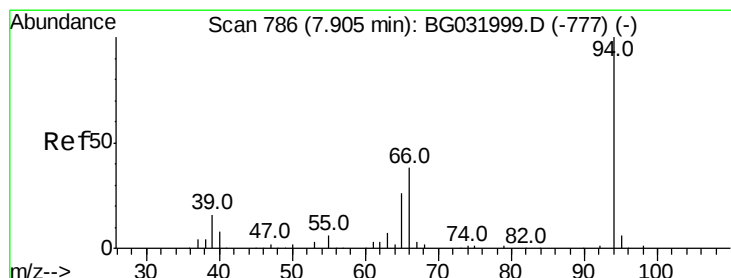
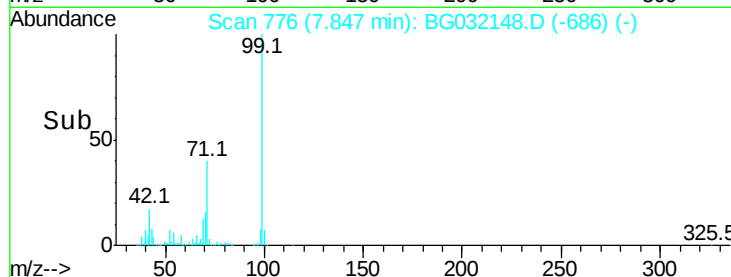
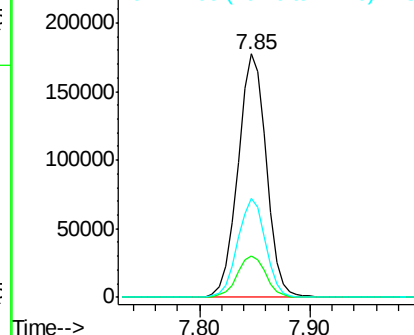
99 100

42 17.2 14.1 21.1

71 40.5 26.1 39.1#



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



#10

Phenol

Concen: 4.771 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

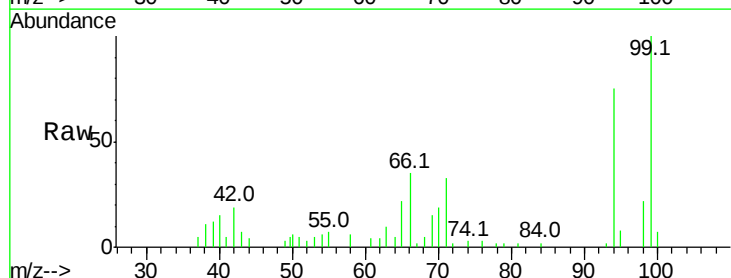
Tgt Ion: 94 Resp: 12502

Ion Ratio Lower Upper

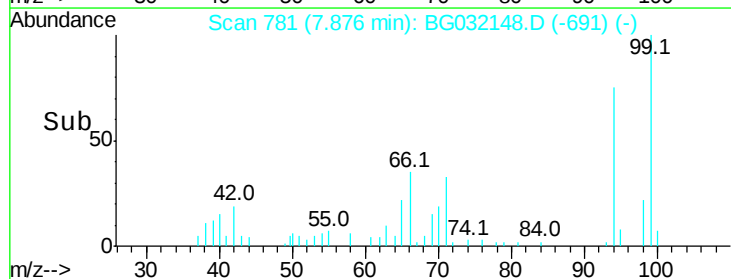
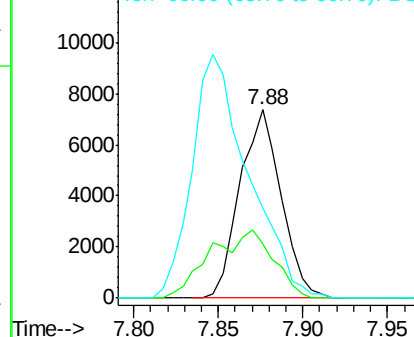
94 100

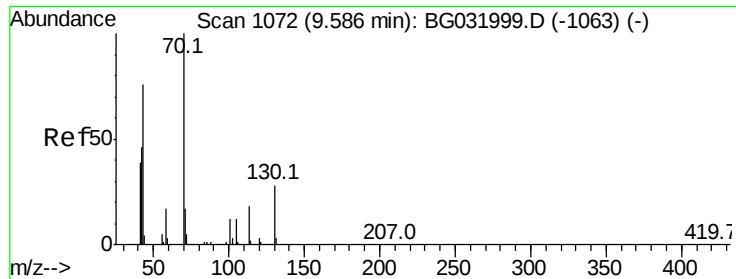
65 28.9 11.9 51.9

66 47.6 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

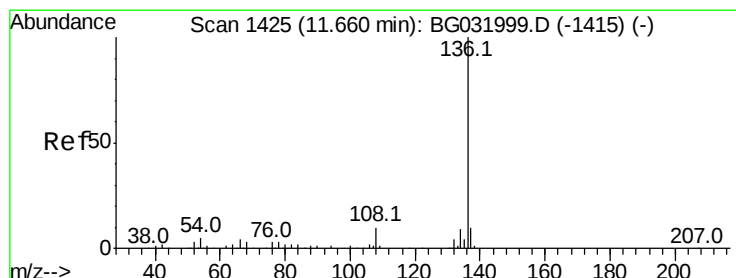
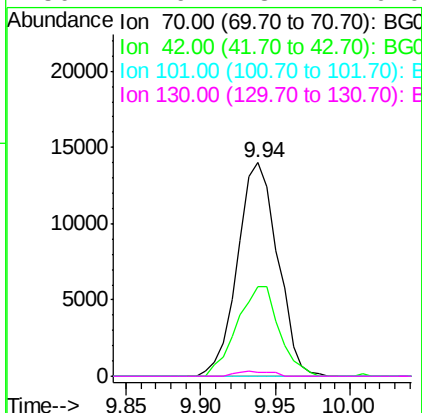
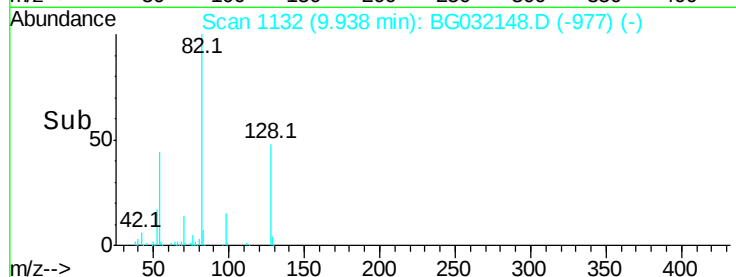
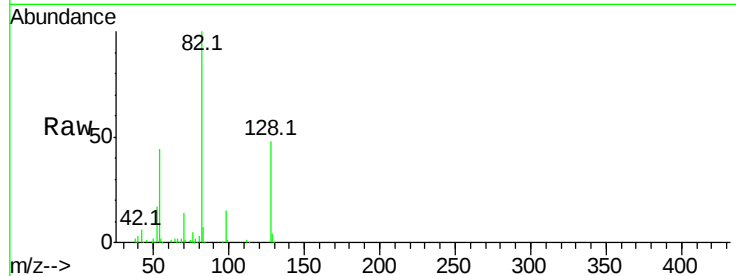




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.781 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. 0.38 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

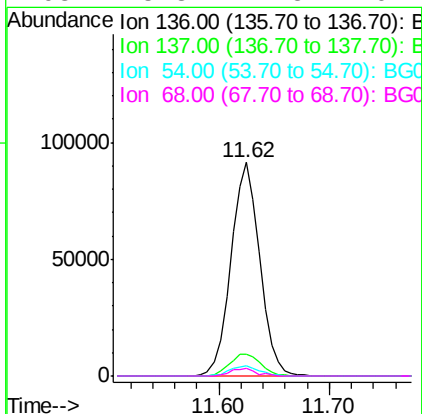
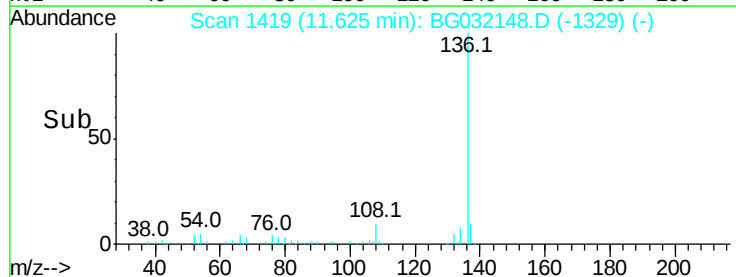
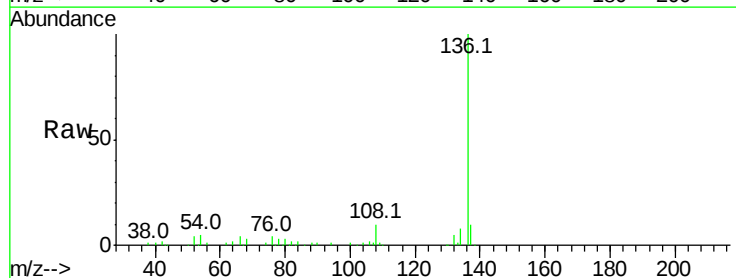
Instrument :  
BNA\_G  
ClientSampleId :

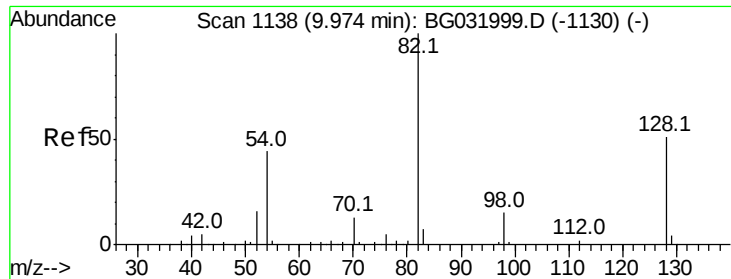
Tot Ion: 70 Resp: 26046  
Ion Ratio Lower Upper  
70 100  
42 41.8 49.1 73.7#  
101 0.0 8.5 12.7#  
130 1.9 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.62 min Scan# 1419  
Delta R.T. -0.00 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Tgt Ion: 136 Resp: 167313  
Ion Ratio Lower Upper  
136 100  
137 10.2 9.2 13.8  
54 5.1 10.3 15.5#  
68 3.3 4.5 6.7#

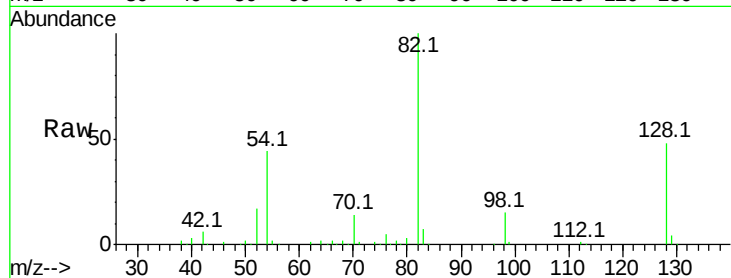




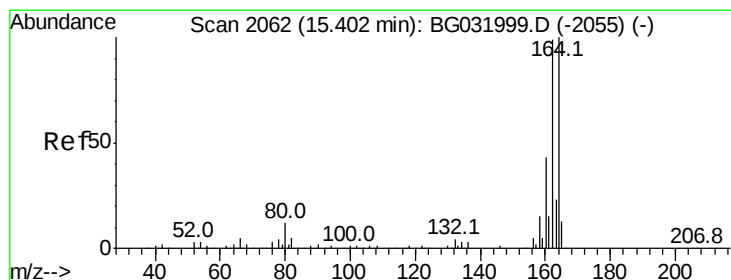
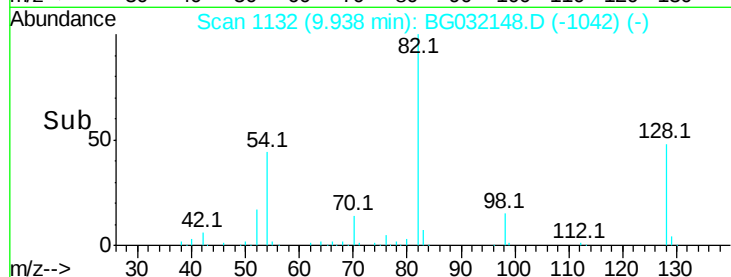
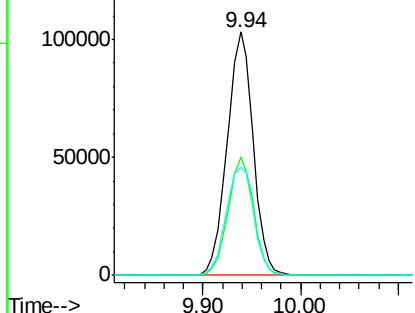
#23  
Nitrobenzene-d5  
Concen: 77.222 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. -0.00 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion: 82 Resp: 190974  
Ion Ratio Lower Upper  
82 100  
128 48.4 29.7 44.5#  
54 44.4 43.1 64.7

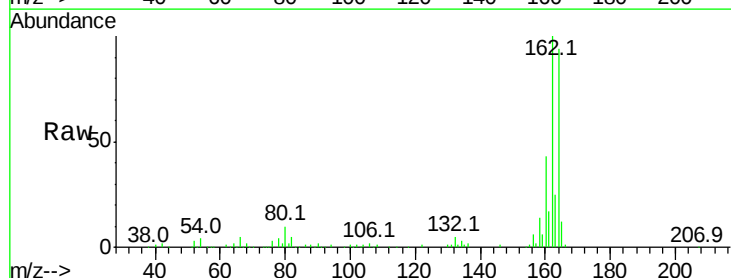


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

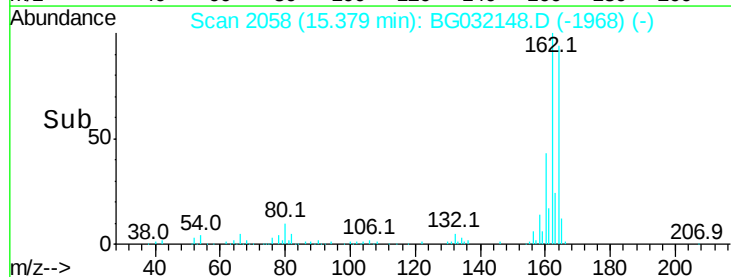
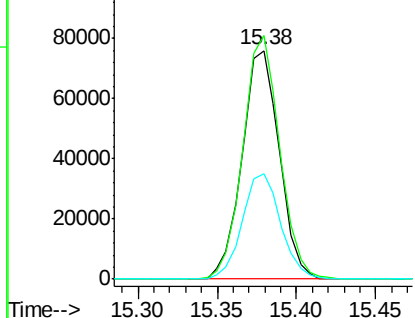


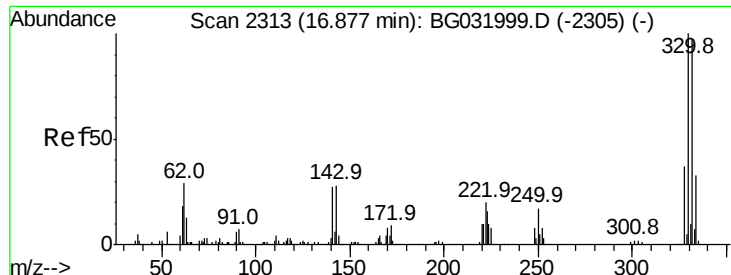
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.38 min Scan# 2058  
Delta R.T. -0.00 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Tgt Ion:164 Resp: 123751  
Ion Ratio Lower Upper  
164 100  
162 106.6 78.8 118.2  
160 46.3 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

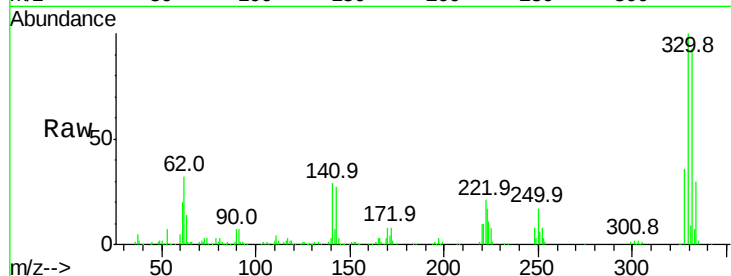




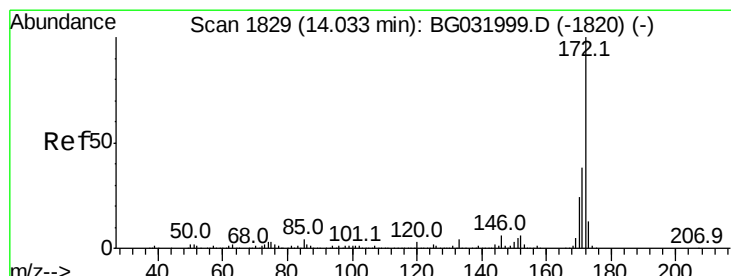
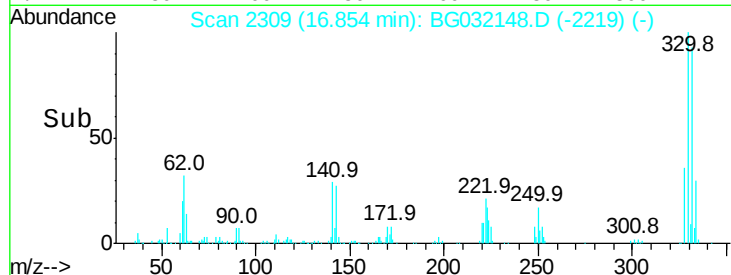
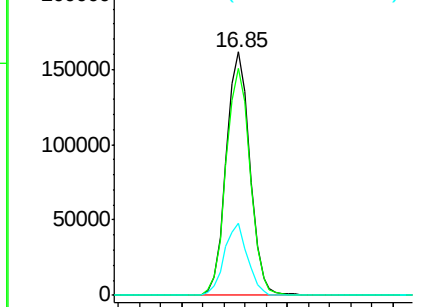
#41  
 2,4,6-Tribromophenol  
 Concen: 122.043 ng  
 RT: 16.85 min Scan# 2309  
 Delta R.T. -0.00 min  
 Lab File: BG032148.D  
 Acq: 18 Jan 2018 22:39

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 77.0  | 115.6 |
| 141     | 29.0  | 25.2  | 37.8  |

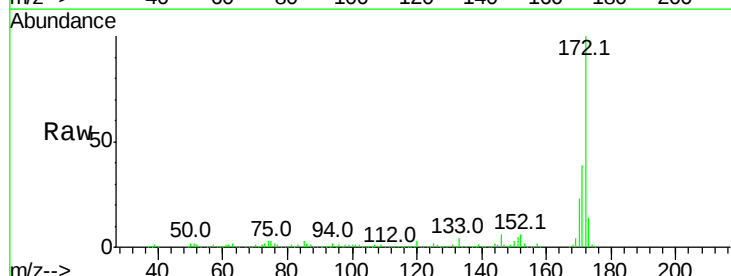


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

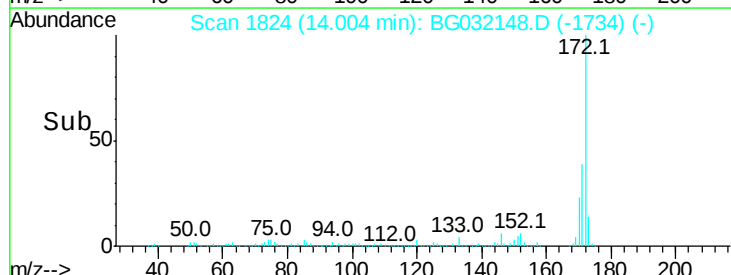
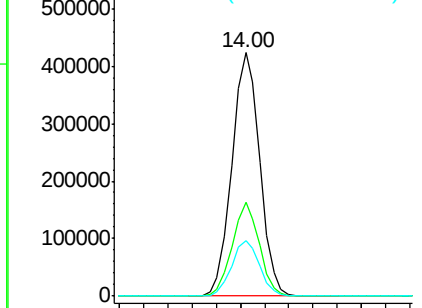


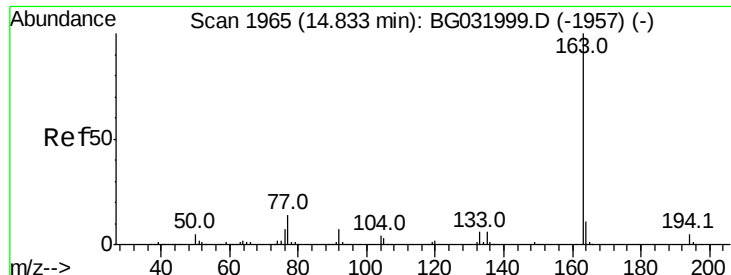
#44  
 2-Fluorobiphenyl  
 Concen: 68.091 ng  
 RT: 14.00 min Scan# 1824  
 Delta R.T. -0.00 min  
 Lab File: BG032148.D  
 Acq: 18 Jan 2018 22:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.5  | 30.0  | 45.0  |
| 170     | 22.7  | 19.5  | 29.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

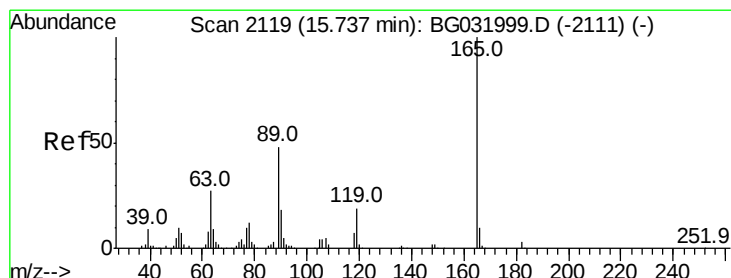
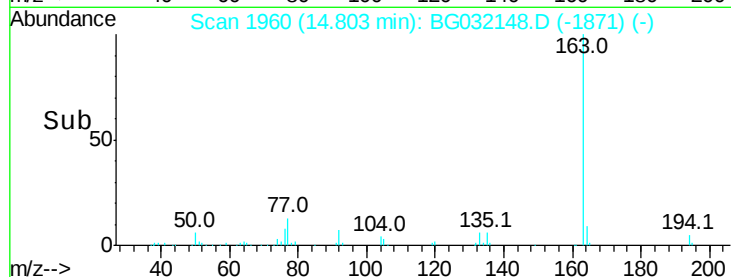
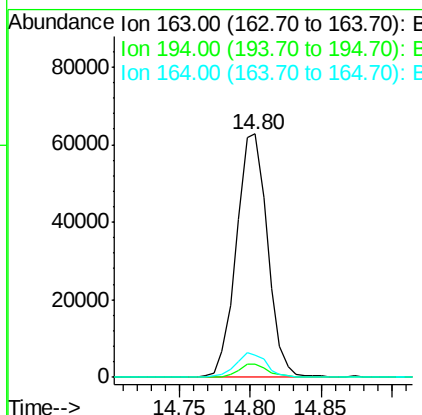
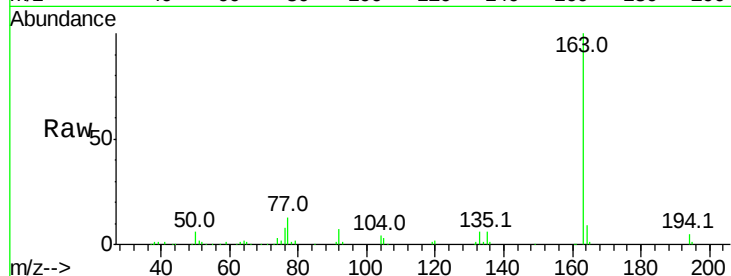




#49  
Dimethylphthalate  
Concen: 8.927 ng  
RT: 14.80 min Scan# 1960  
Delta R.T. -0.01 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

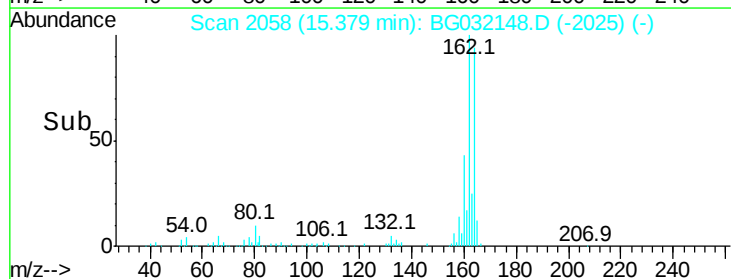
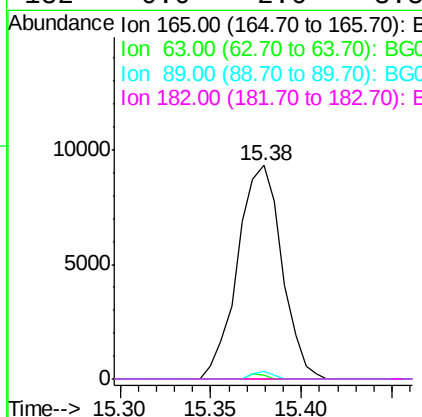
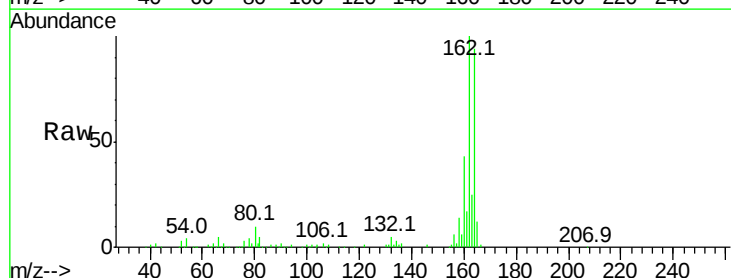
Instrument :  
BNA\_G  
ClientSampleId :

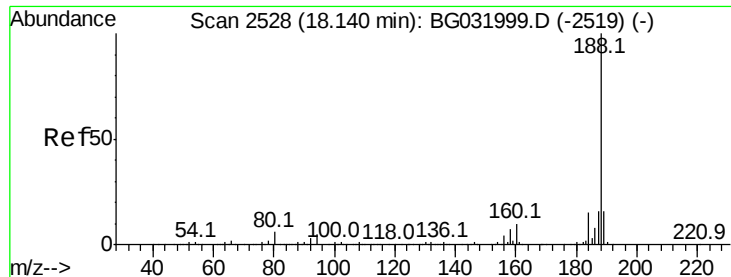
Tot Ion:163 Resp: 96677  
Ion Ratio Lower Upper  
163 100  
194 5.4 3.4 5.2#  
164 9.3 8.2 12.4



#56  
2,4-Dinitrotoluene  
Concen: 5.229 ng  
RT: 15.38 min Scan# 2058  
Delta R.T. -0.34 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Tgt Ion:165 Resp: 15825  
Ion Ratio Lower Upper  
165 100  
63 1.9 42.0 63.0#  
89 3.3 66.9 100.3#  
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

Instrument :

BNA\_G

ClientSampleId :

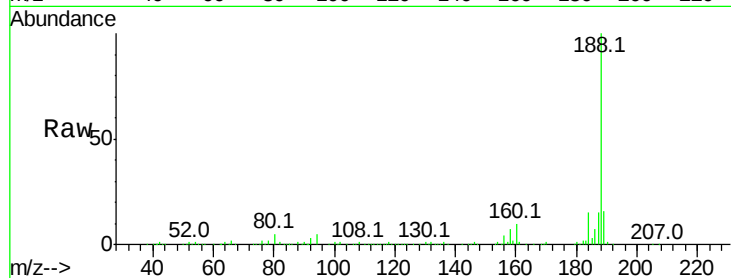
Tot Ion:188 Resp: 347435

Ion Ratio Lower Upper

188 100

94 4.7 6.9 10.3#

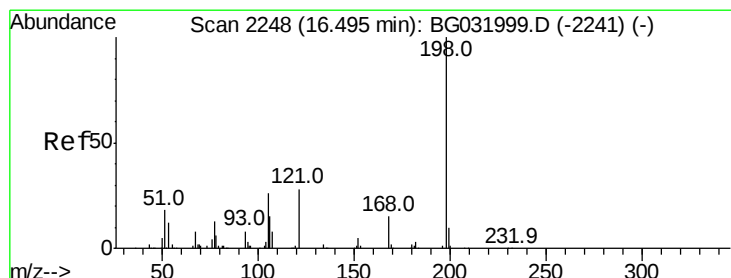
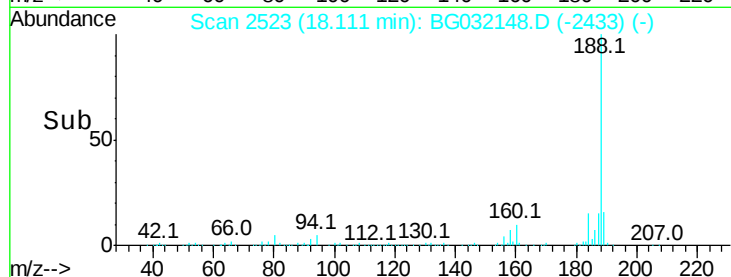
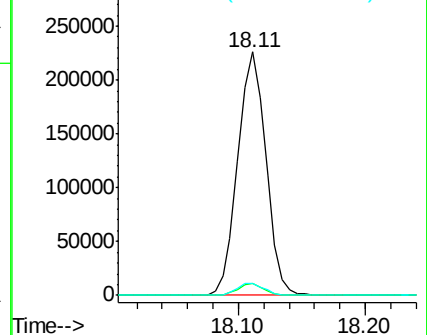
80 4.7 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.199 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.37 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

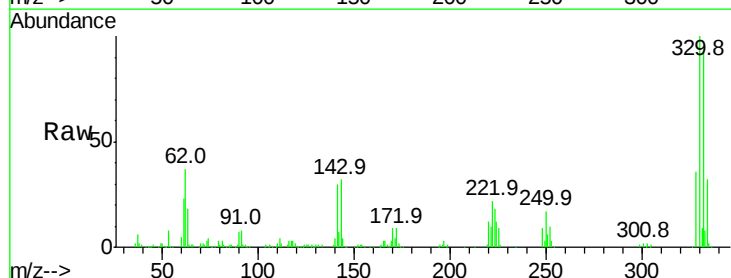
Tgt Ion:198 Resp: 780

Ion Ratio Lower Upper

198 100

51 68.3 30.6 70.6

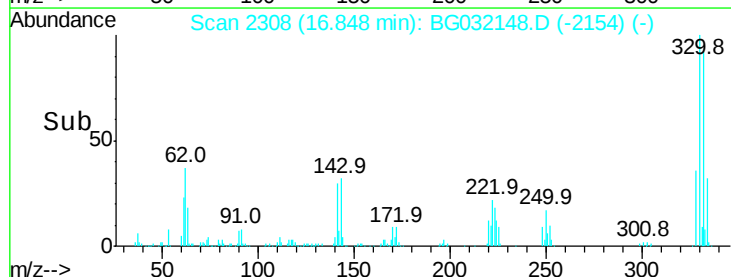
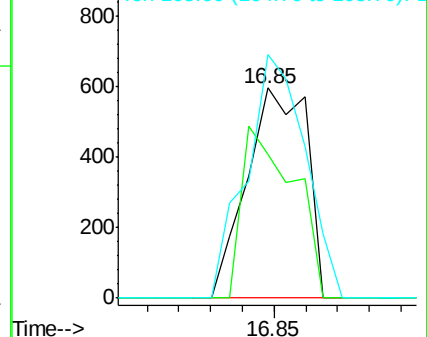
105 115.9 23.8 63.8#

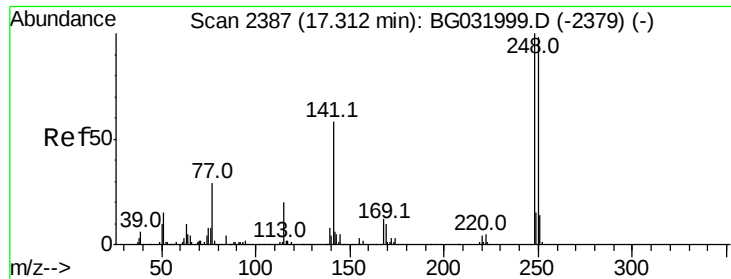


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

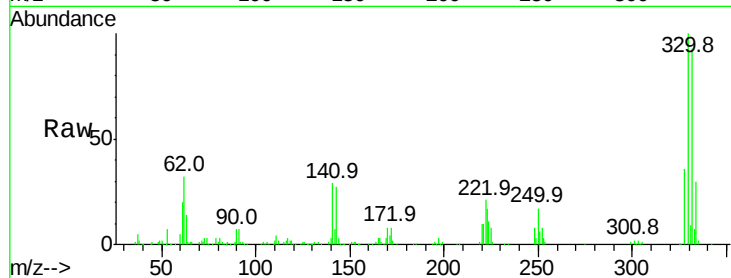




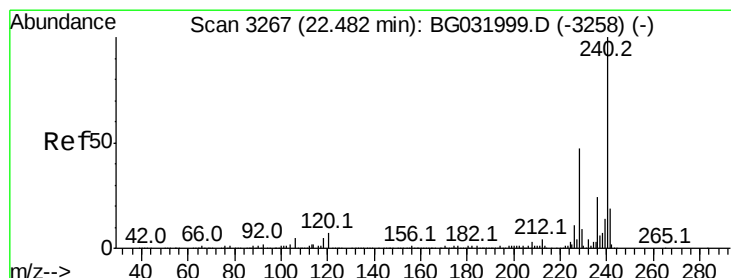
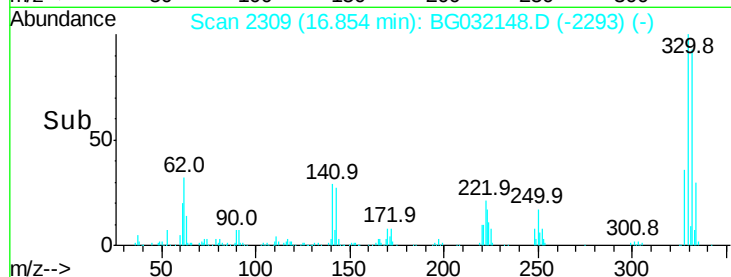
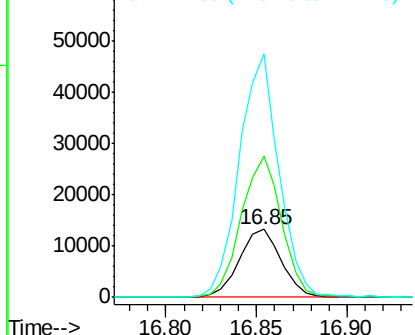
#66  
4-Bromophenyl-phenylether  
Concen: 4.285 ng  
RT: 16.85 min Scan# 2309  
Delta R.T. -0.44 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 21181  
Ion Ratio Lower Upper  
248 100  
250 207.3 77.1 115.7#  
141 357.8 50.8 76.2#

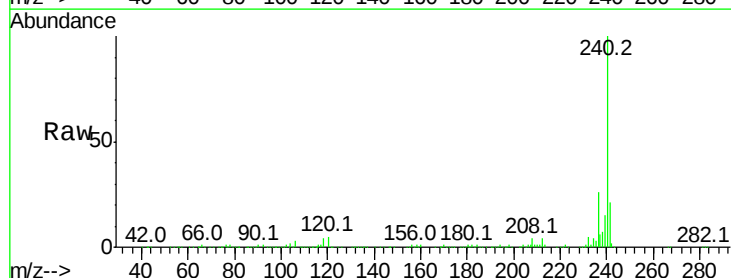


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

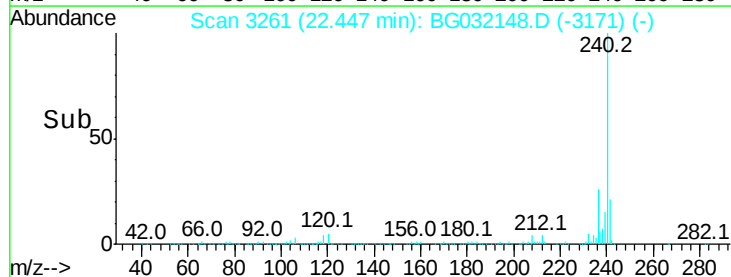
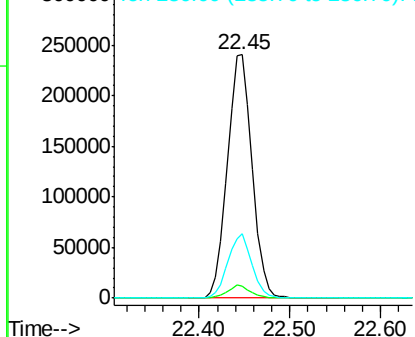


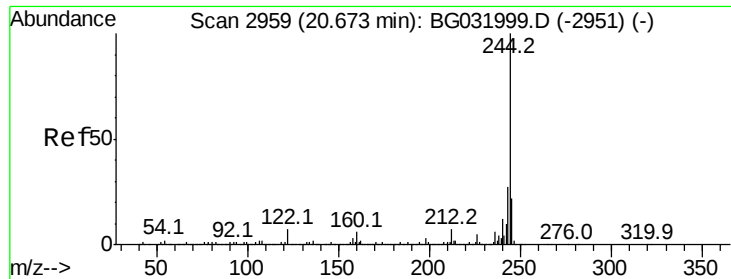
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.45 min Scan# 3261  
Delta R.T. -0.00 min  
Lab File: BG032148.D  
Acq: 18 Jan 2018 22:39

Tgt Ion:240 Resp: 456464  
Ion Ratio Lower Upper  
240 100  
120 4.7 6.8 10.2#  
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 67.245 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

Instrument :

BNA\_G

ClientSampleId :

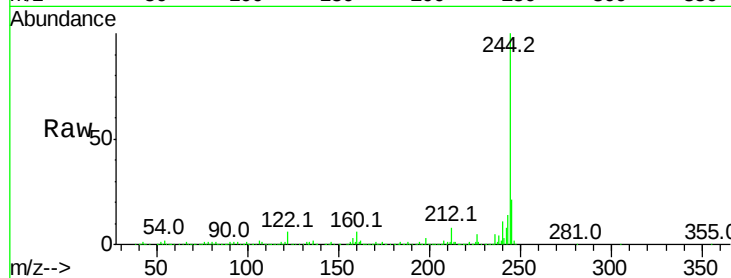
Tot Ion:244 Resp: 1390150

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

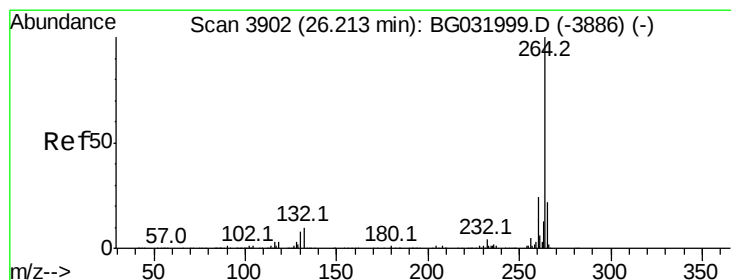
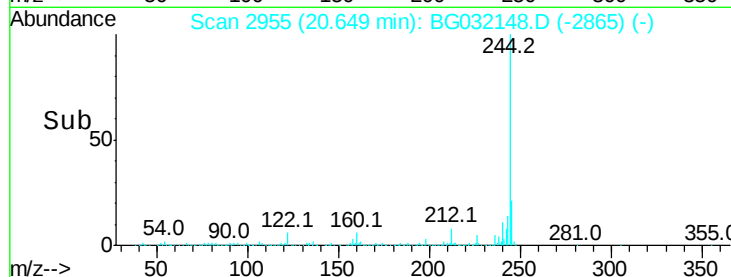
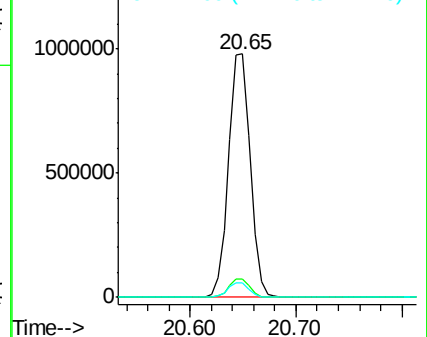
122 5.9 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.14 min Scan# 3890

Delta R.T. -0.01 min

Lab File: BG032148.D

Acq: 18 Jan 2018 22:39

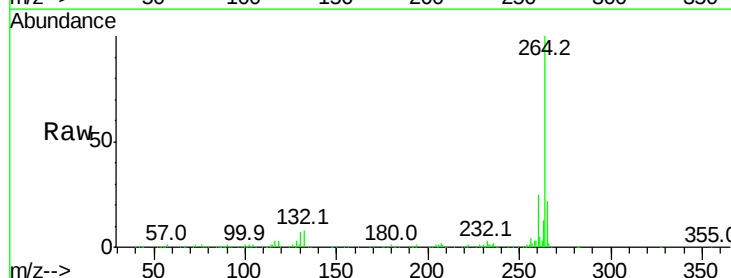
Tgt Ion:264 Resp: 461513

Ion Ratio Lower Upper

264 100

260 25.0 17.4 26.0

265 22.3 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

