

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062218\  
 Data File : BG035365.D  
 Acq On : 23 Jun 2018 12:53  
 Operator : JU/SJ  
 Sample : J3623-04  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 061918-DBRI-F-D-M

Quant Time: Jun 25 05:49:24 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

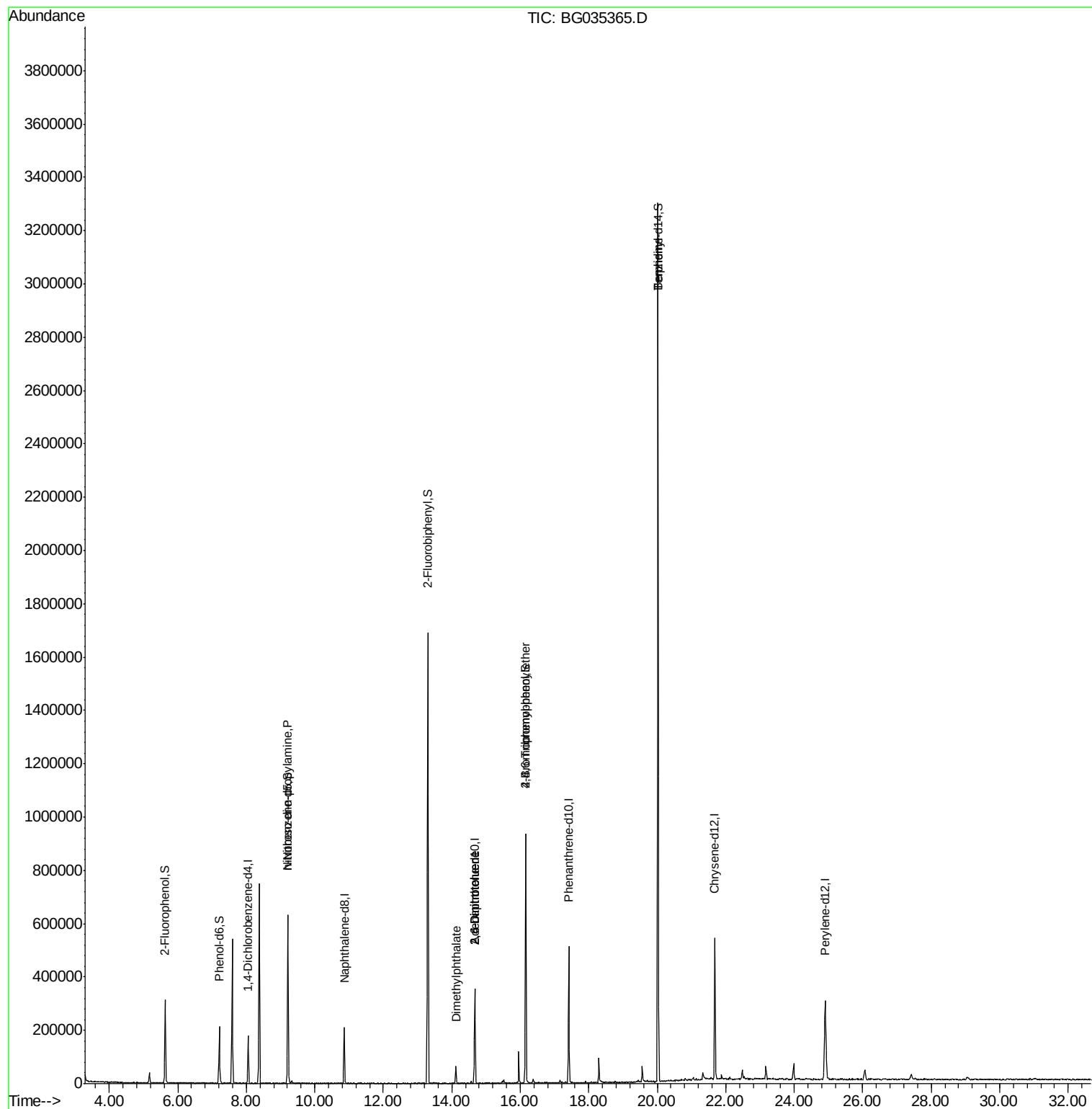
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 51022    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.86 | 136  | 178459   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 120375   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 319695   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.68 | 240  | 345447   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 24.90 | 264  | 325716   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 136855   | 45.27  | ng    | -0.01    |
| 7) Phenol-d6                   | 7.21  | 99   | 131420   | 29.45  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 407105   | 108.44 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 176970   | 114.84 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 941067   | 101.63 | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.02 | 244  | 1520814  | 92.22  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 55889    | 14.742 | ng    | # 72     |
| 49) Dimethylphthalate          | 14.12 | 163  | 42594    | 4.058  | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 14.67 | 165  | 15988    | 8.349  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 15988    | 6.285  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 13477    | 3.501  | ng    | # 1      |
| 76) Benzidine                  | 20.02 | 184  | 27063    | 2.106  | ng    | # 88     |

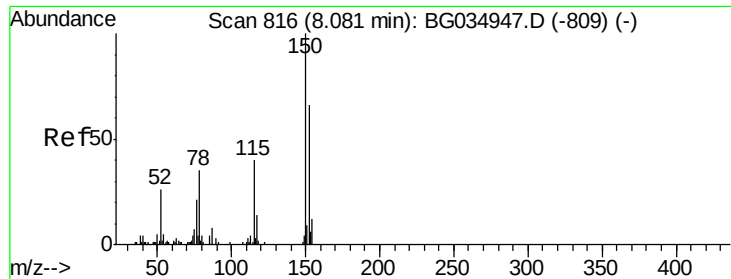
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062218\  
Data File : BG035365.D  
Acq On : 23 Jun 2018 12:53  
Operator : JU/SJ  
Sample : J3623-04  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

Quant Time: Jun 25 05:49:24 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG060718.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration



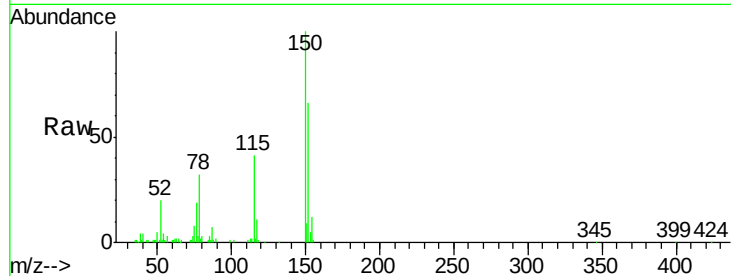


#1

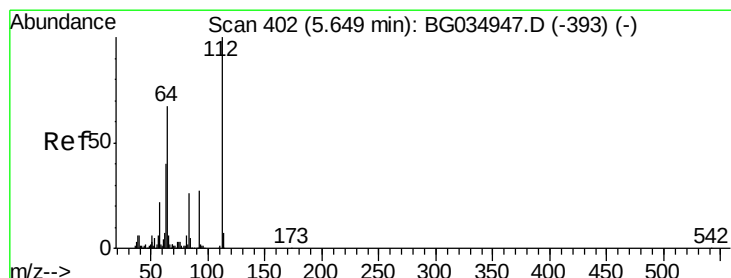
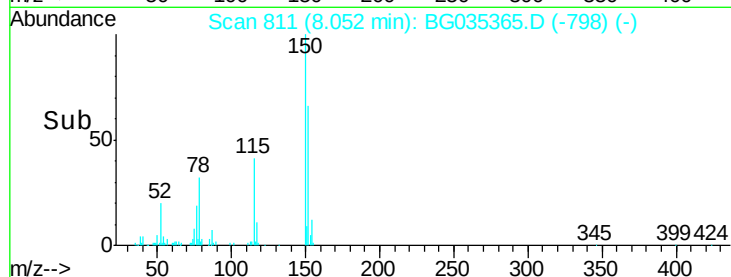
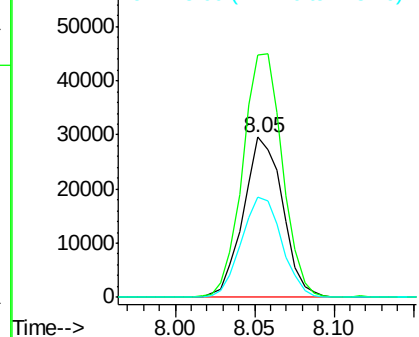
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

Tgt Ion:152 Resp: 51022  
Ion Ratio Lower Upper  
152 100  
150 151.4 126.6 189.8  
115 62.7 53.0 79.4



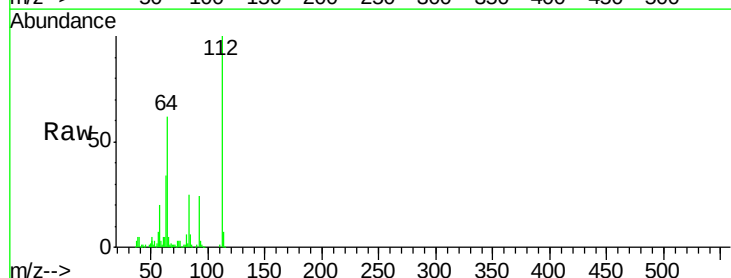
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



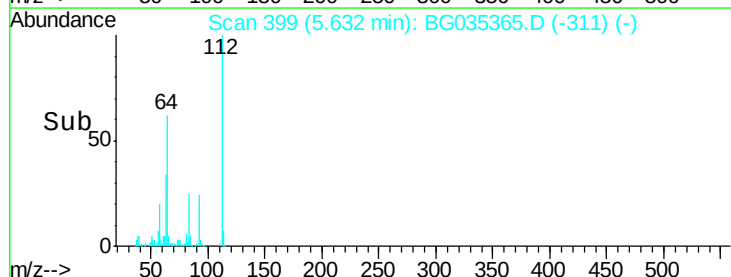
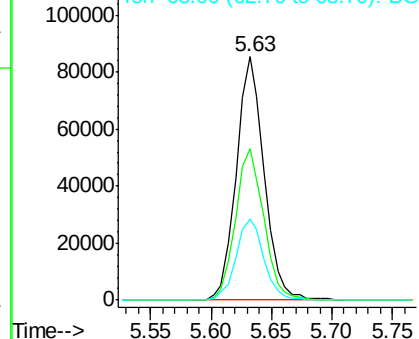
#5

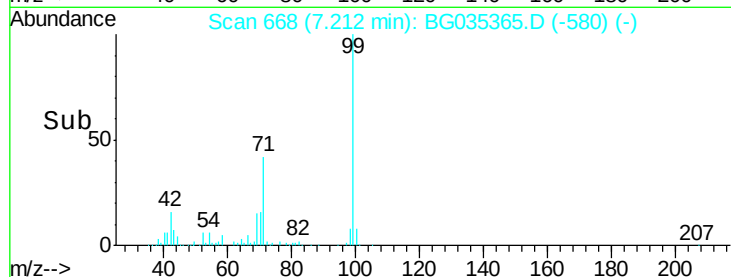
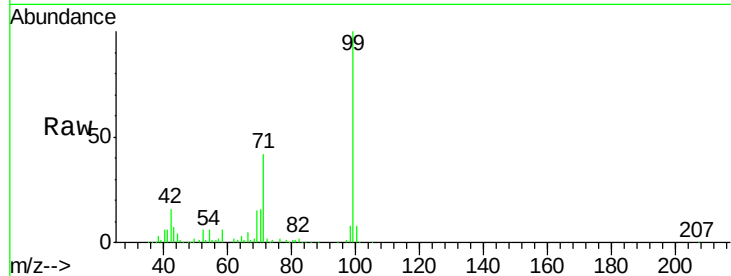
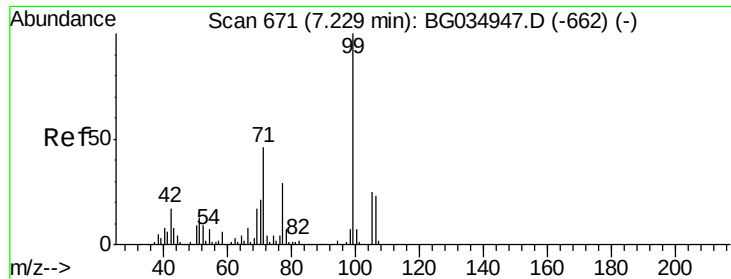
2-Fluorophenol  
Concen: 45.266 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Tgt Ion:112 Resp: 136855  
Ion Ratio Lower Upper  
112 100  
64 62.1 56.3 84.5  
63 33.5 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 29.451 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-M

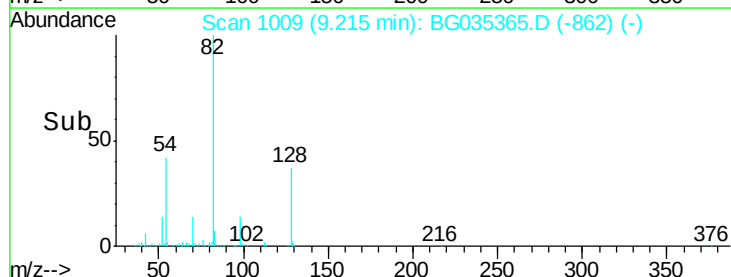
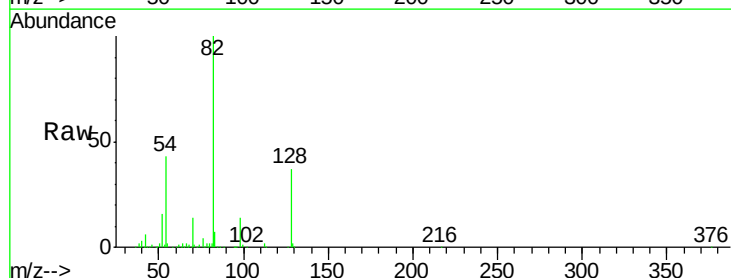
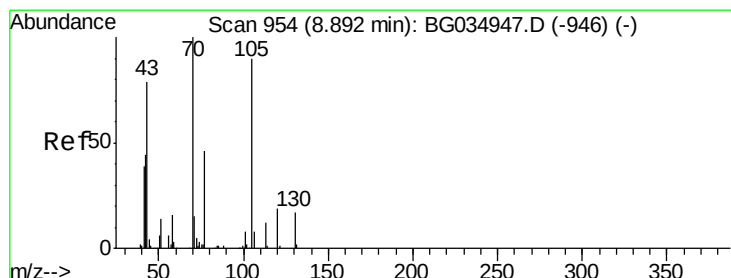
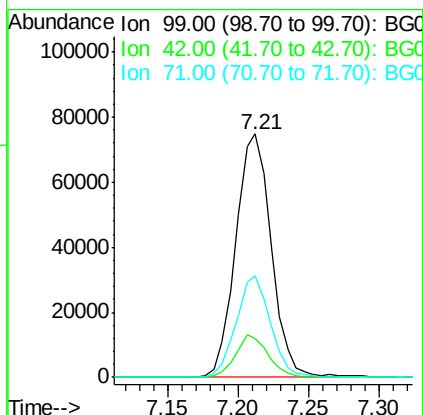
Tgt Ion: 99 Resp: 131420

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 41.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.742 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

Tgt Ion: 70 Resp: 55889

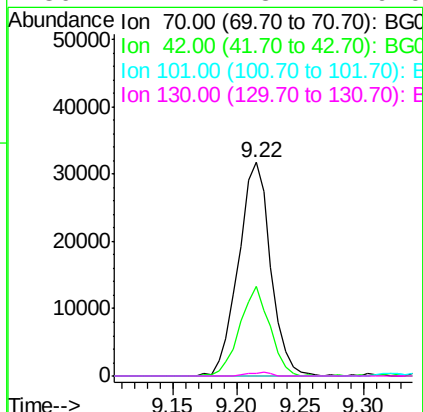
Ion Ratio Lower Upper

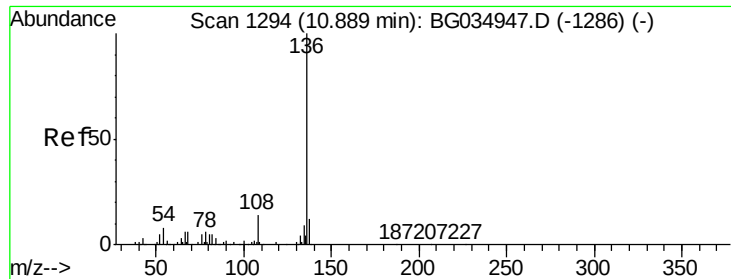
70 100

42 41.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

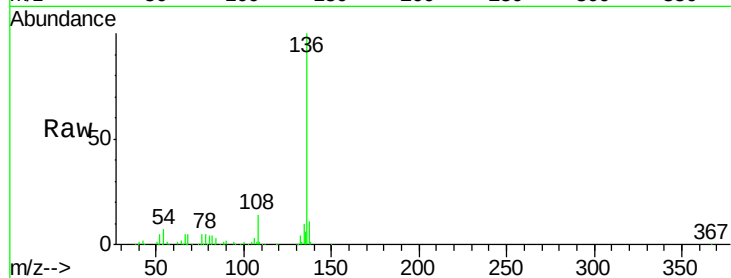




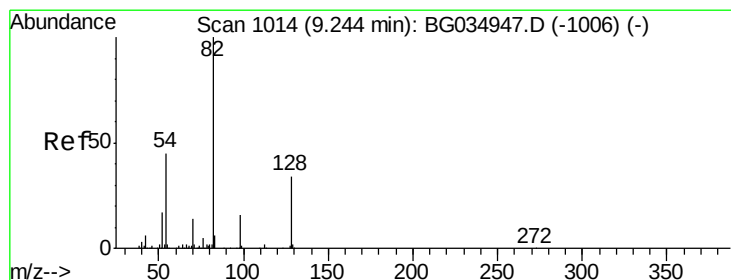
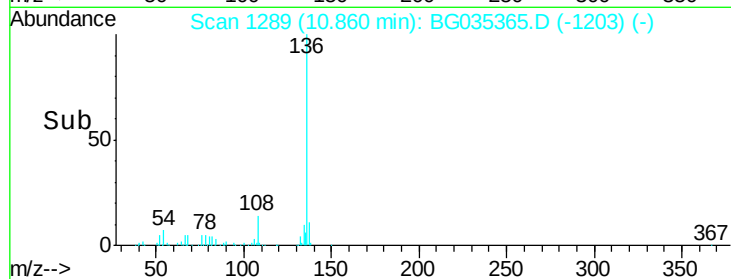
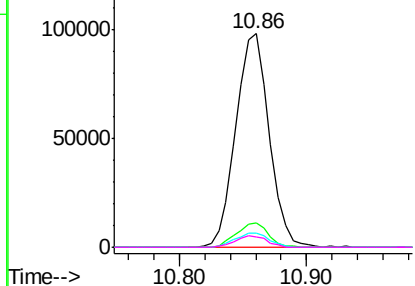
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1289  
Delta R.T. -0.02 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 178459 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 9.2   | 13.8   |
| 54       | 6.7   | 10.3  | 15.5#  |
| 68       | 5.0   | 4.5   | 6.7    |

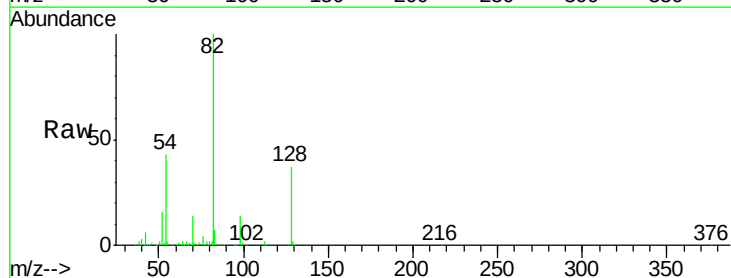


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

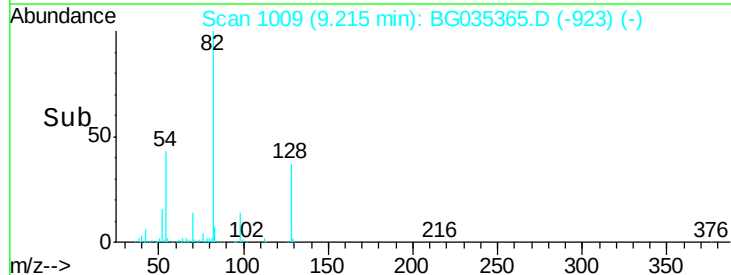
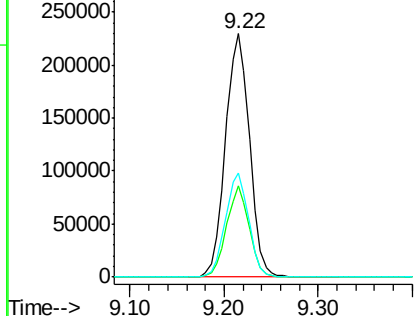


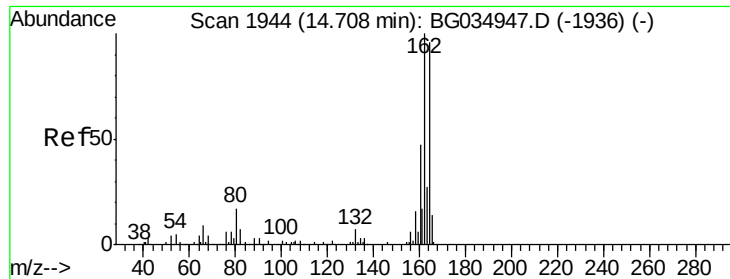
#23  
Nitrobenzene-d5  
Concen: 108.436 ng  
RT: 9.22 min Scan# 1009  
Delta R.T. -0.02 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 407105 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.5  | 29.7  | 44.5   |
| 54       | 42.6  | 43.1  | 64.7#  |



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-M

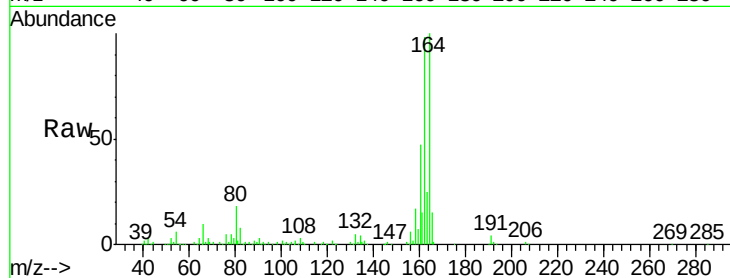
Tgt Ion:164 Resp: 120375

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

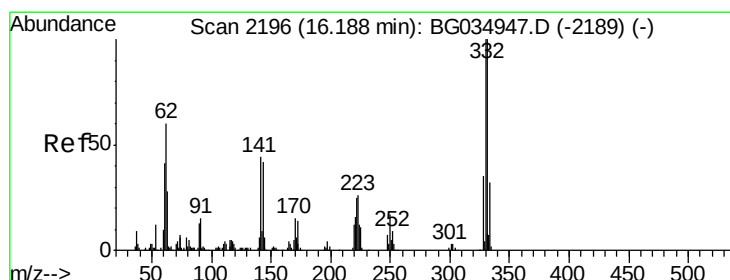
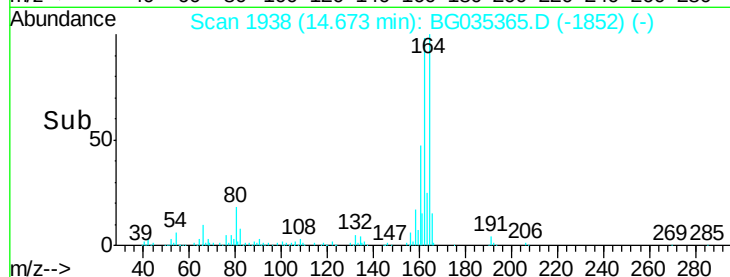
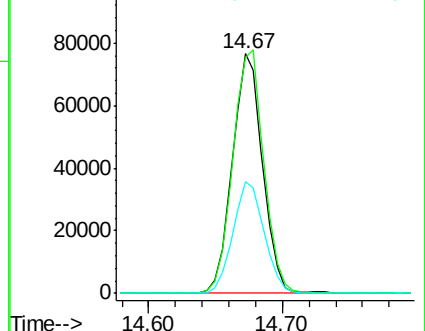
160 46.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 114.845 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

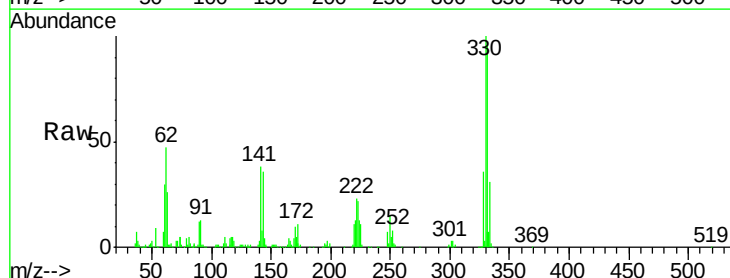
Tgt Ion:330 Resp: 176970

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

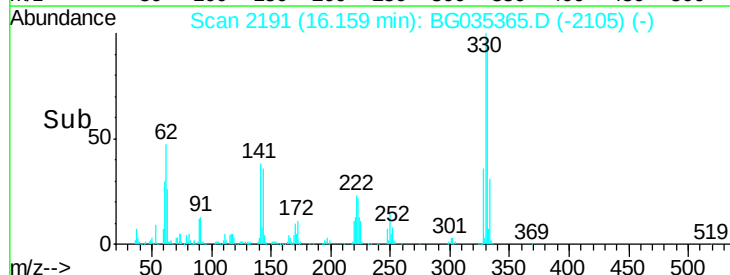
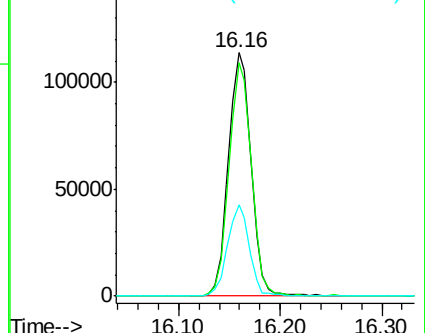
141 35.8 25.2 37.8

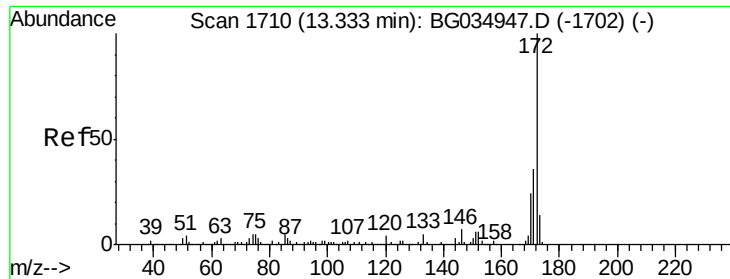


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

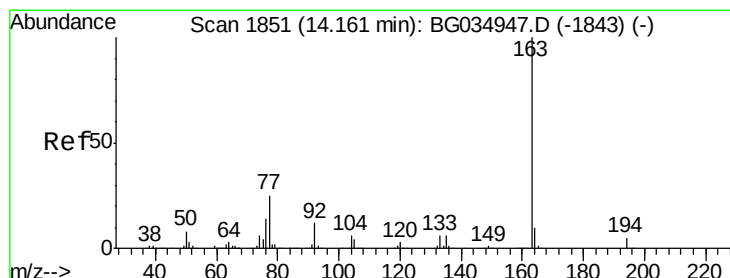
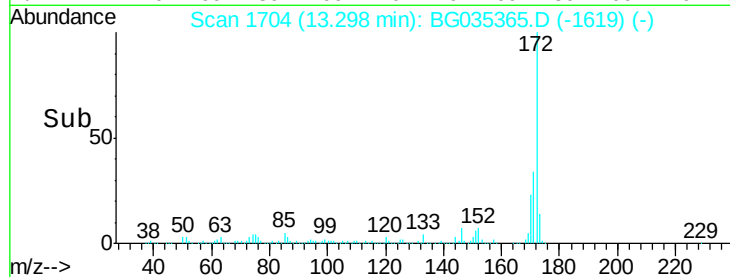
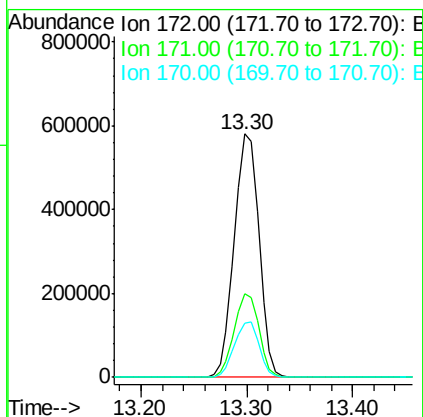
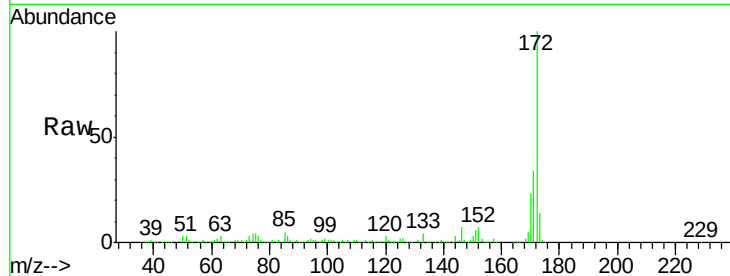




#44  
2-Fluorobiphenyl  
Concen: 101.631 ng  
RT: 13.30 min Scan# 1704  
Delta R.T. -0.03 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

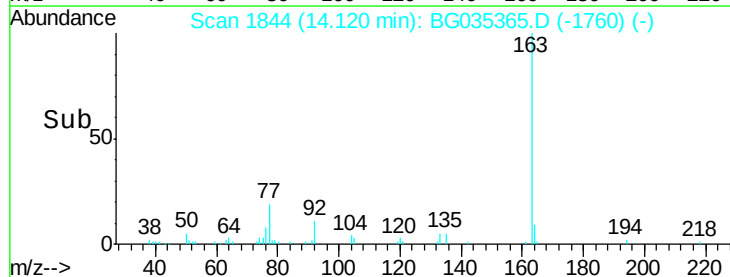
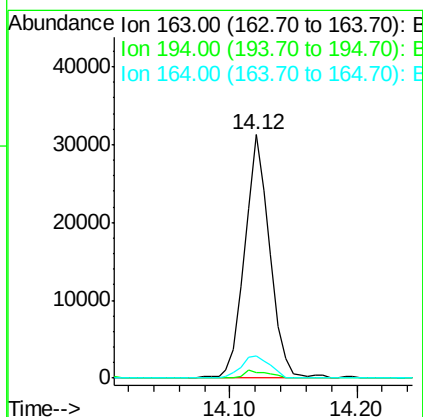
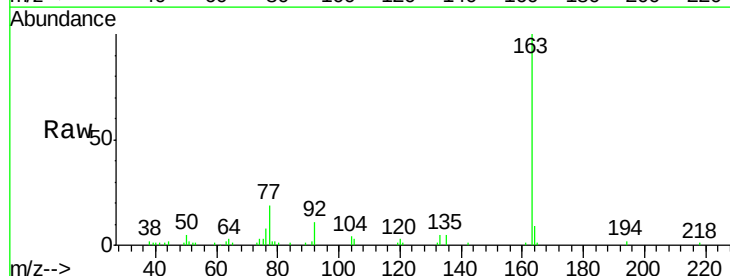
Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

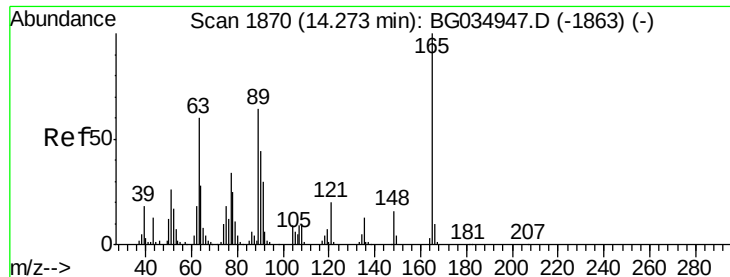
Tgt Ion:172 Resp: 941067  
Ion Ratio Lower Upper  
172 100  
171 34.2 30.0 45.0  
170 22.5 19.5 29.3



#49  
Dimethylphthalate  
Concen: 4.058 ng  
RT: 14.12 min Scan# 1844  
Delta R.T. -0.04 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Tgt Ion:163 Resp: 42594  
Ion Ratio Lower Upper  
163 100  
194 2.1 3.4 5.2#  
164 9.4 8.2 12.4

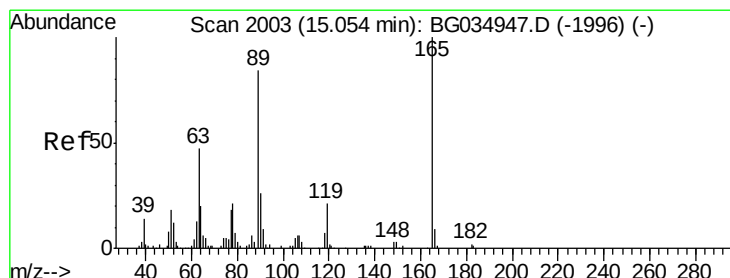
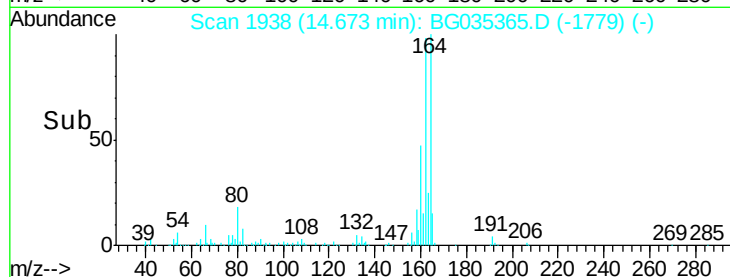
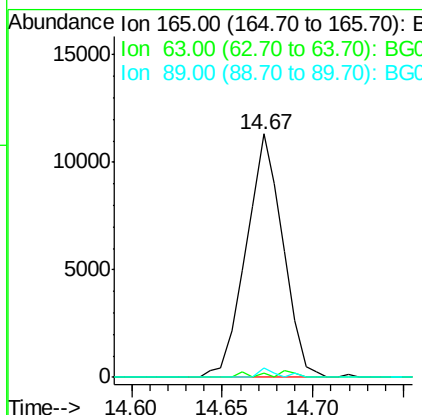
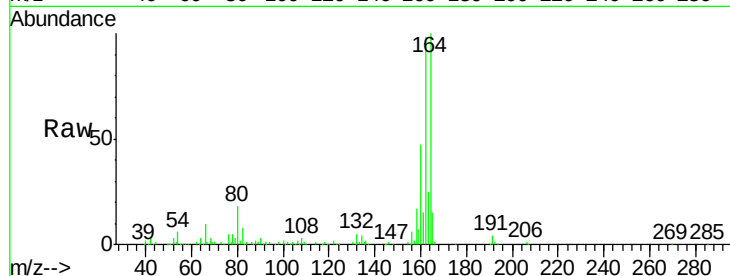




#50  
2,6-Dinitrotoluene  
Concen: 8.349 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. 0.40 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

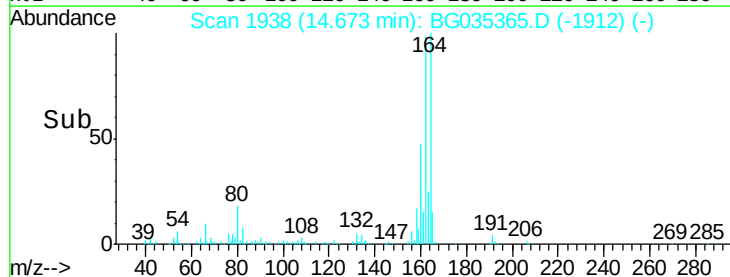
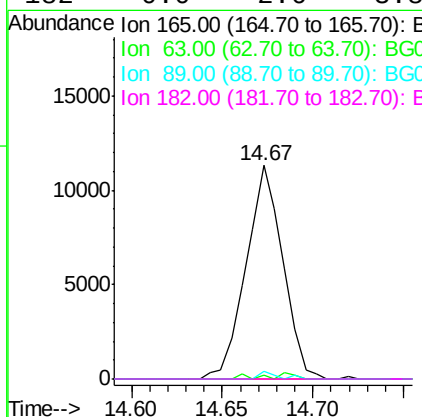
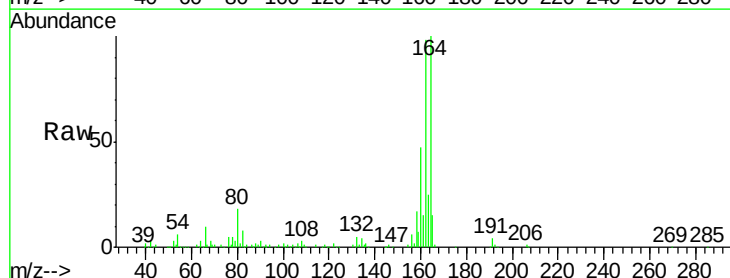
Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

Tgt Ion:165 Resp: 15988  
Ion Ratio Lower Upper  
165 100  
63 2.0 52.7 79.1#  
89 3.8 49.2 73.8#

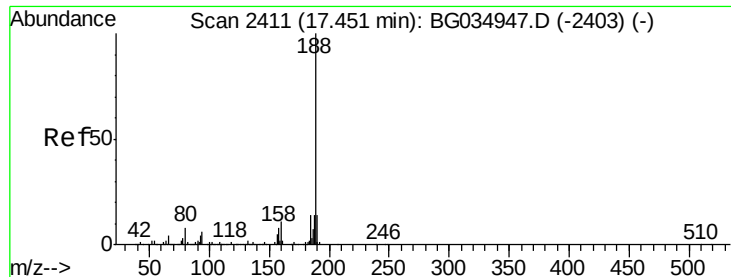


#56  
2,4-Dinitrotoluene  
Concen: 6.285 ng  
RT: 14.67 min Scan# 1938  
Delta R.T. -0.38 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Tgt Ion:165 Resp: 15988  
Ion Ratio Lower Upper  
165 100  
63 2.0 42.0 63.0#  
89 3.8 66.9 100.3#  
182 0.0 2.6 3.8#



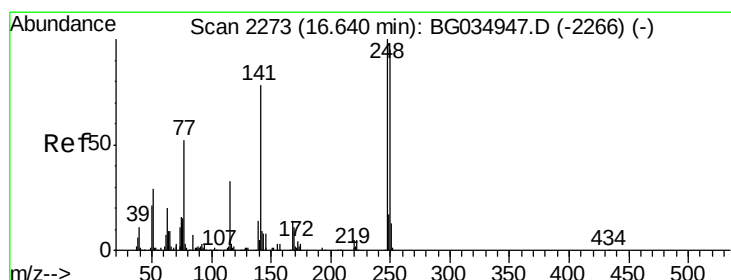
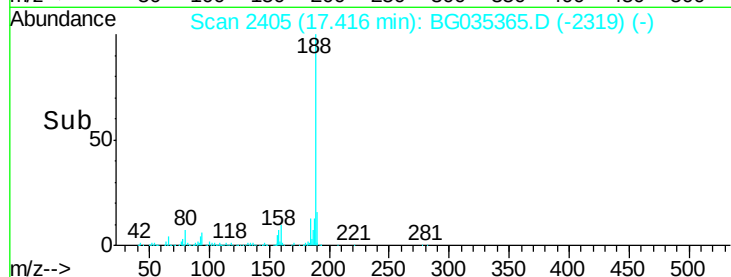
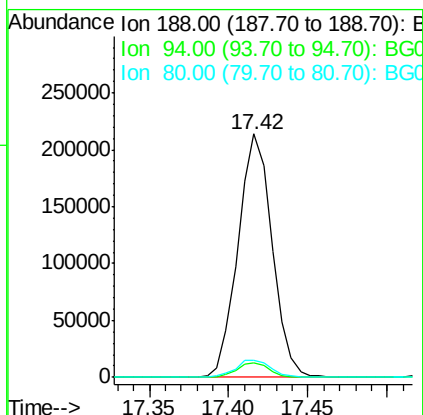
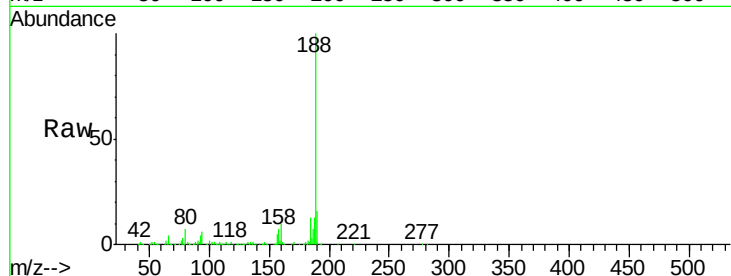




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2405  
Delta R.T. -0.02 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

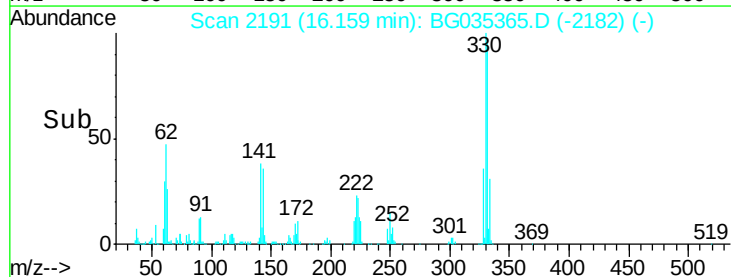
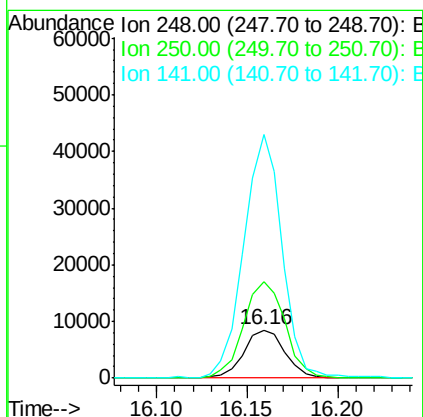
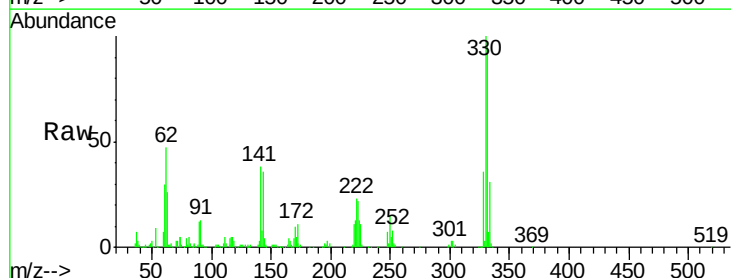
Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-M

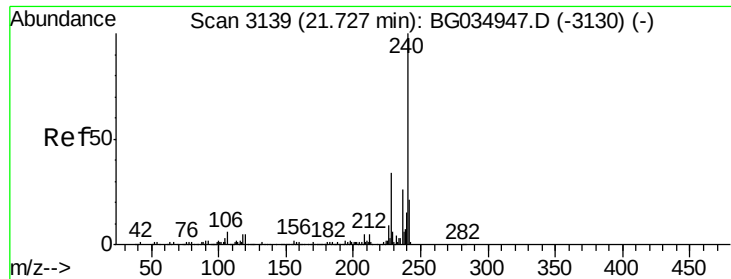
Tgt Ion:188 Resp: 319695  
Ion Ratio Lower Upper  
188 100  
94 6.1 6.9 10.3#  
80 7.1 7.7 11.5#



#66  
4-Bromophenyl-phenylether  
Concen: 3.501 ng  
RT: 16.16 min Scan# 2191  
Delta R.T. -0.48 min  
Lab File: BG035365.D  
Acq: 23 Jun 2018 12:53

Tgt Ion:248 Resp: 13477  
Ion Ratio Lower Upper  
248 100  
250 200.1 77.1 115.7#  
141 504.0 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-M

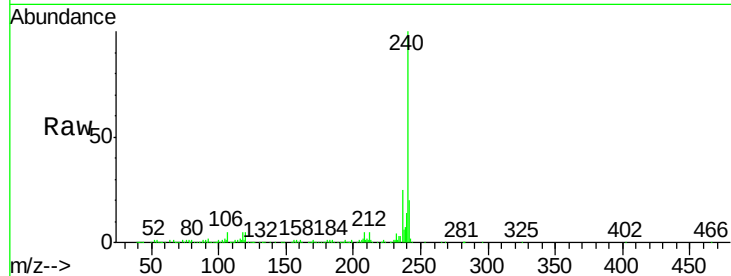
Tgt Ion:240 Resp: 345447

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

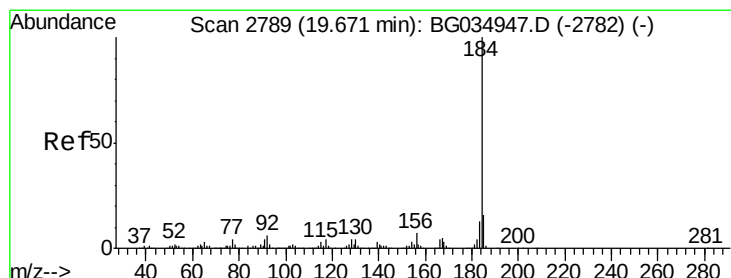
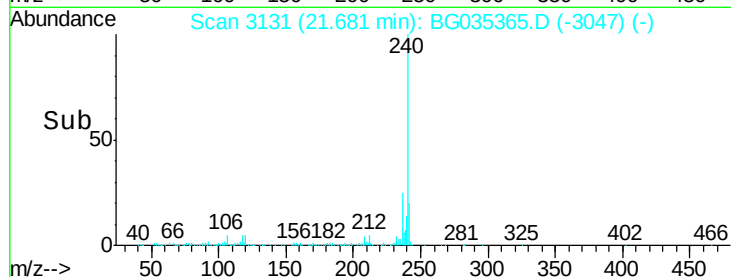
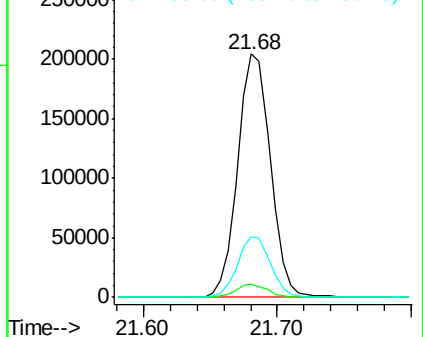
236 24.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 2.106 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

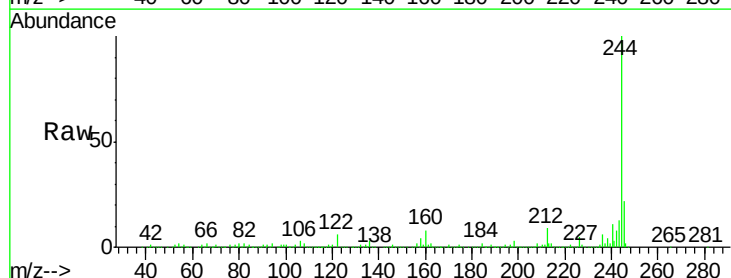
Tgt Ion:184 Resp: 27063

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

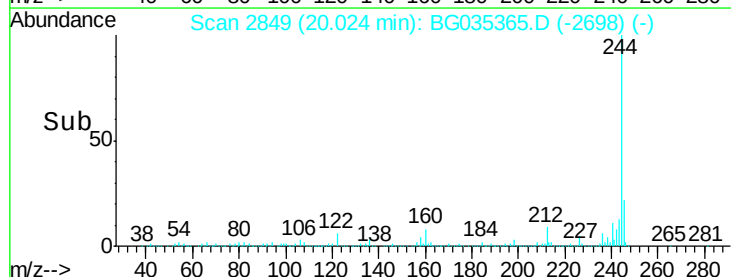
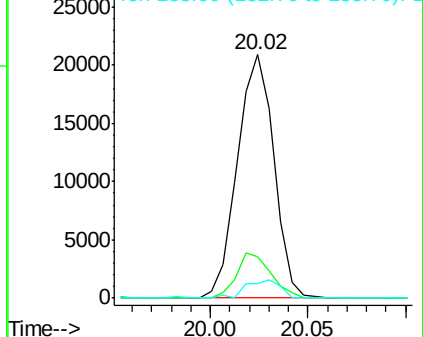
183 6.2 10.6 16.0#

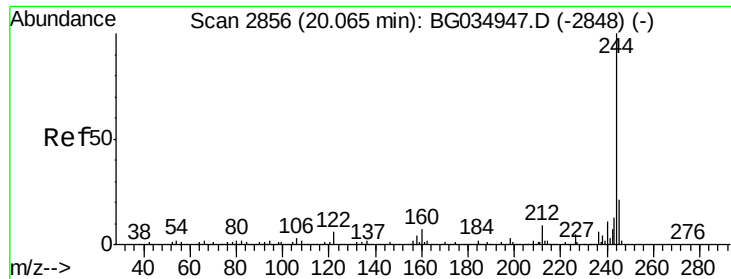


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.217 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-M

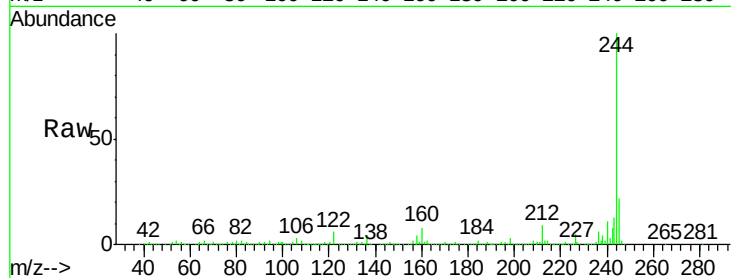
Tgt Ion:244 Resp: 1520814

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

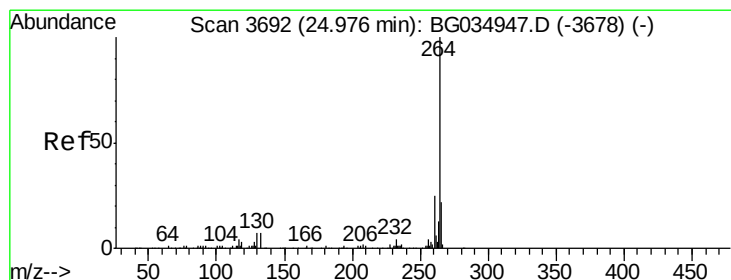
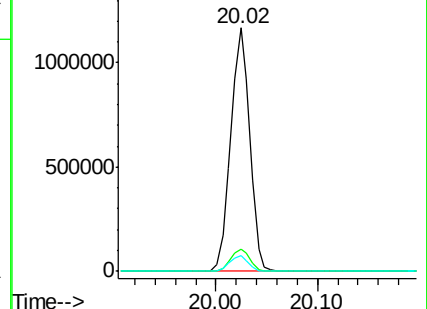
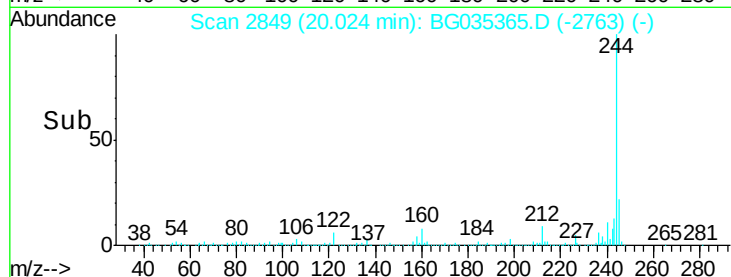
122 6.4 7.0 10.4#



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: 24.90 min Scan# 3679

Delta R.T. -0.05 min

Lab File: BG035365.D

Acq: 23 Jun 2018 12:53

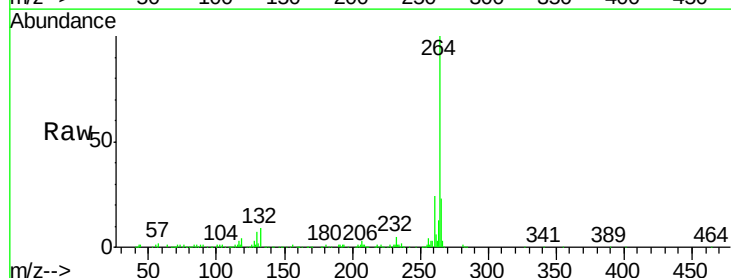
Tgt Ion:264 Resp: 325716

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 23.1 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

