

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG062218\  
 Data File : BG035366.D  
 Acq On : 23 Jun 2018 13:32  
 Operator : JU/SJ  
 Sample : J3623-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Jun 25 05:49:35 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

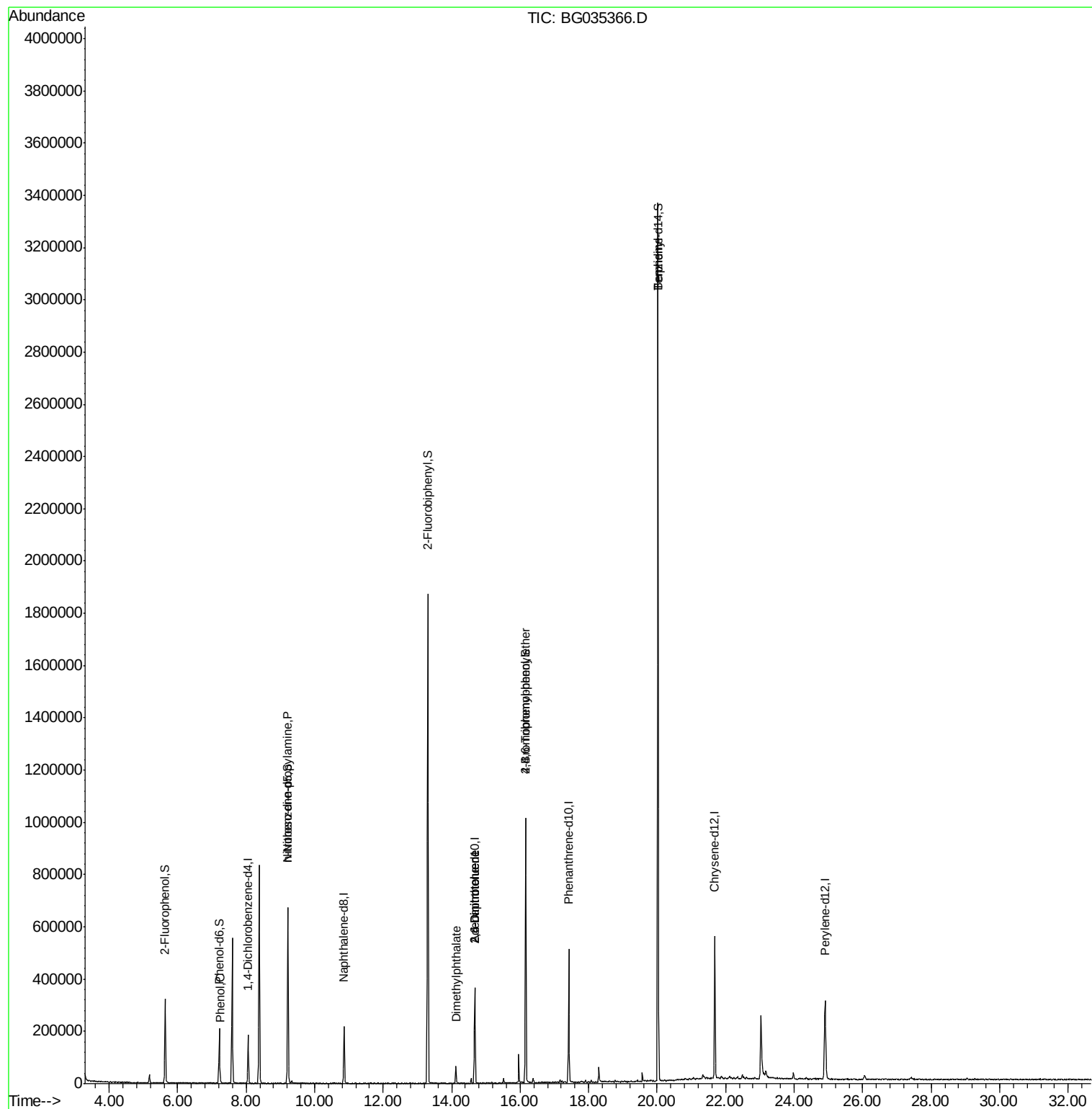
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.05  | 152  | 51036    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.86 | 136  | 186278   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 14.67 | 164  | 127441   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.42 | 188  | 322064   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.68 | 240  | 343155   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 24.90 | 264  | 332441   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.63  | 112  | 142743   | 47.20  | ng    | -0.01    |
| 7) Phenol-d6                   | 7.21  | 99   | 127360   | 28.53  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 444732   | 113.49 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.16 | 330  | 180981   | 110.94 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.30 | 172  | 1016227  | 103.66 | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.03 | 244  | 1589492  | 97.03  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.24  | 94   | 11262    | 2.438  | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 59521    | 15.696 | ng    | # 69     |
| 49) Dimethylphthalate          | 14.12 | 163  | 43824    | 3.943  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.67 | 165  | 17695    | 8.728  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 14.67 | 165  | 17695    | 6.570  | ng    | # 22     |
| 66) 4-Bromophenyl-phenylether  | 16.16 | 248  | 13489    | 3.478  | ng    | # 1      |
| 76) Benizidine                 | 20.03 | 184  | 26423    | 2.070  | ng    | # 91     |

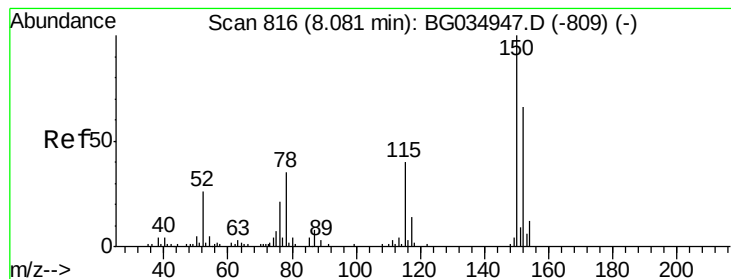
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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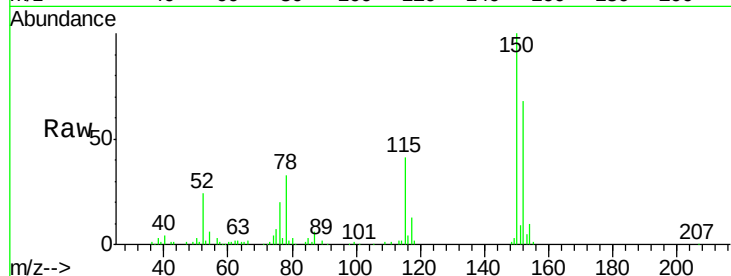


#1

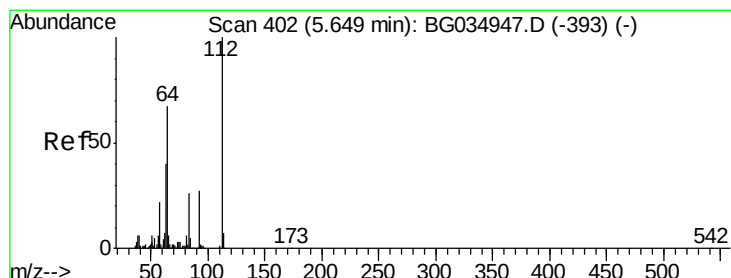
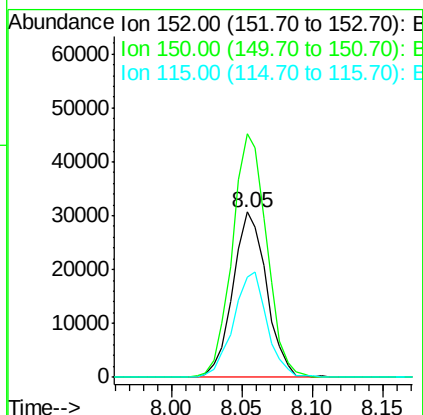
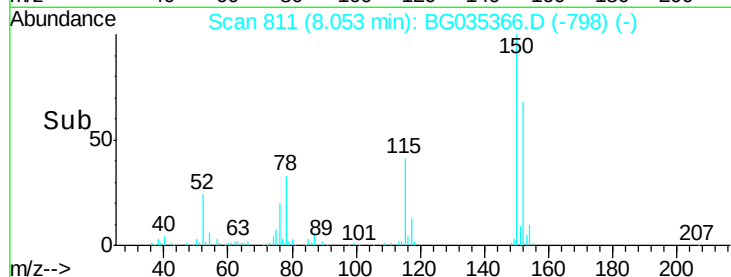
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

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

Tgt Ion:152 Resp: 51036  
Ion Ratio Lower Upper  
152 100  
150 147.2 126.6 189.8  
115 60.8 53.0 79.4



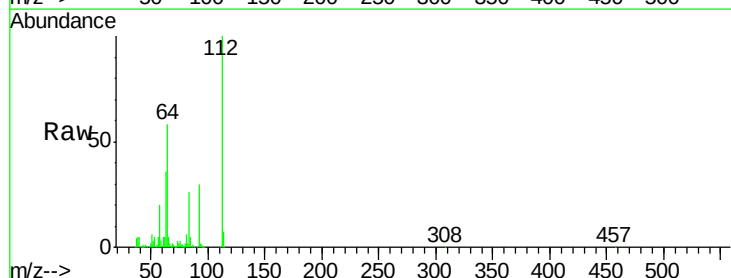
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



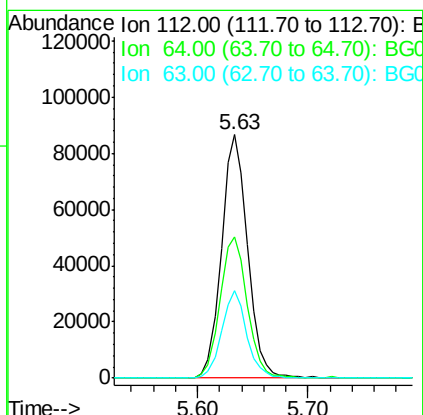
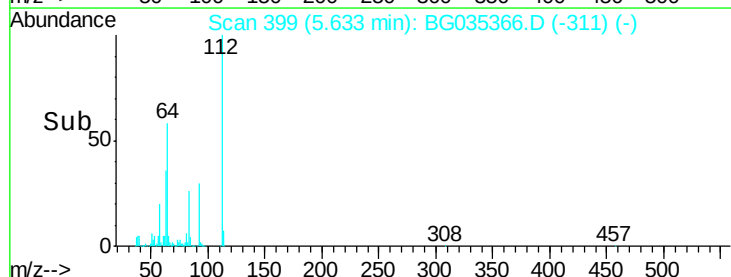
#5

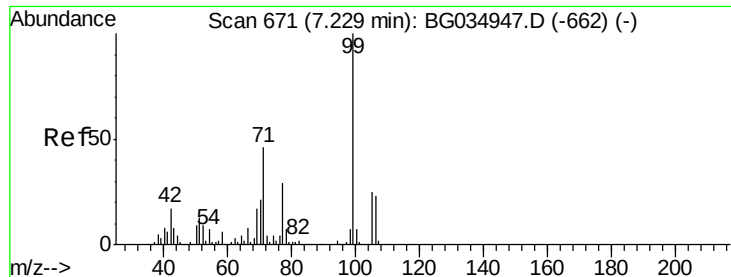
2-Fluorophenol  
Concen: 47.201 ng  
RT: 5.63 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

Tgt Ion:112 Resp: 142743  
Ion Ratio Lower Upper  
112 100  
64 57.8 56.3 84.5  
63 35.7 30.1 45.1



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





#7

Phenol-d6

Concen: 28.534 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035366.D

Acq: 23 Jun 2018 13:32

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-S

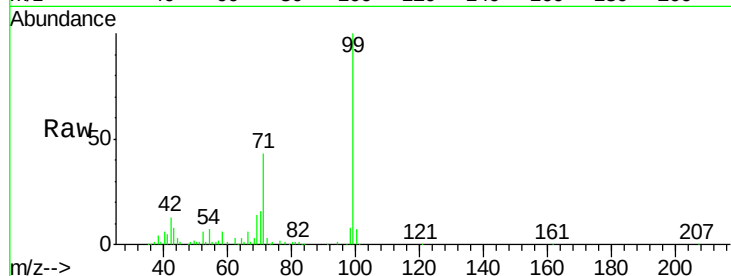
Tgt Ion: 99 Resp: 127360

Ion Ratio Lower Upper

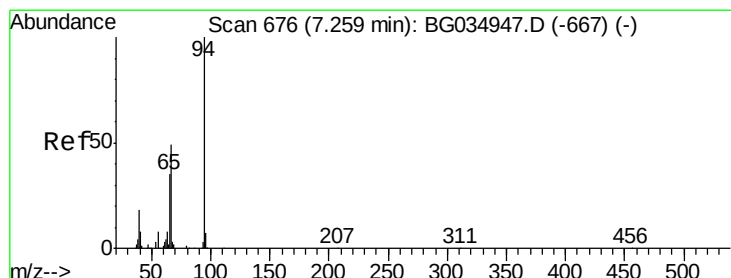
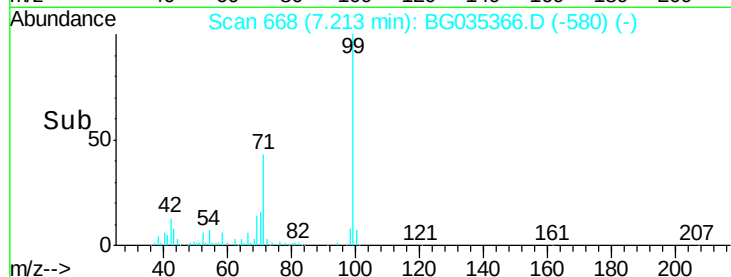
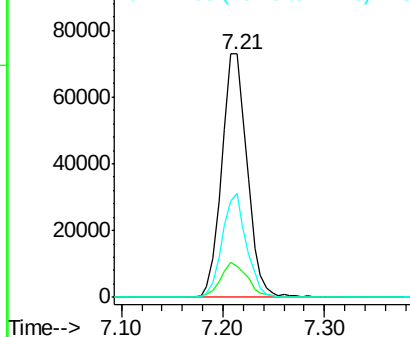
99 100

42 12.8 14.1 21.1#

71 42.6 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: 2.438 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035366.D

Acq: 23 Jun 2018 13:32

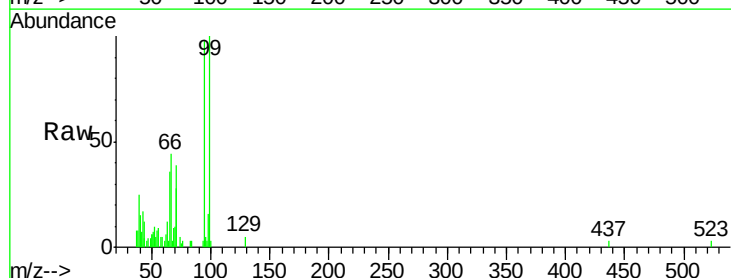
Tgt Ion: 94 Resp: 11262

Ion Ratio Lower Upper

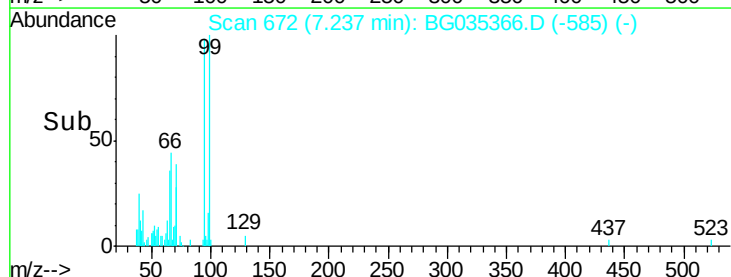
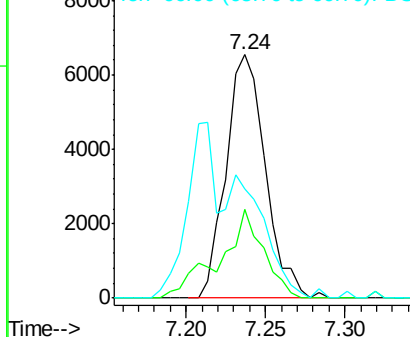
94 100

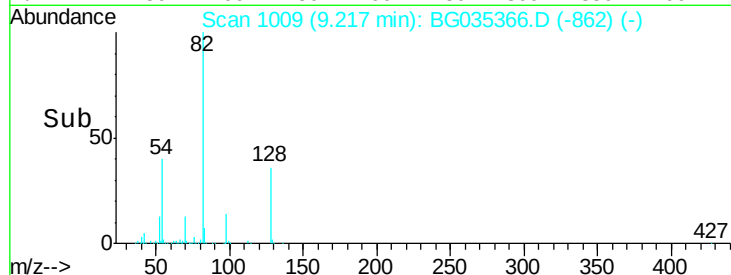
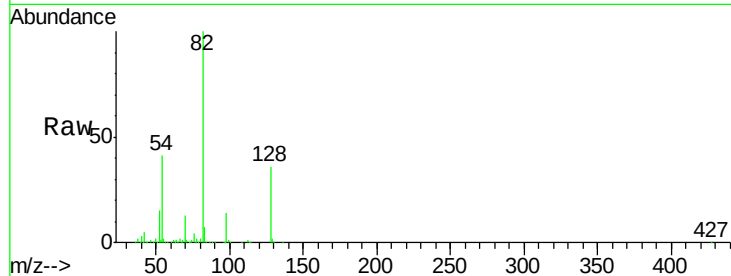
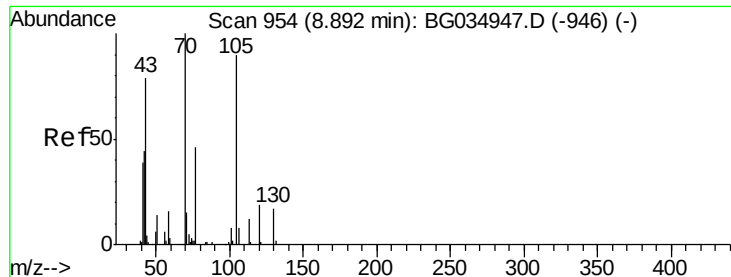
65 36.4 11.9 51.9

66 45.0 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

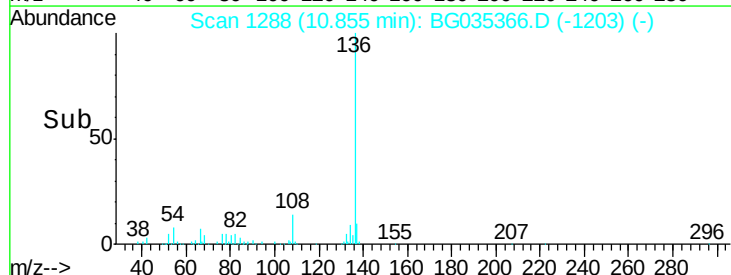
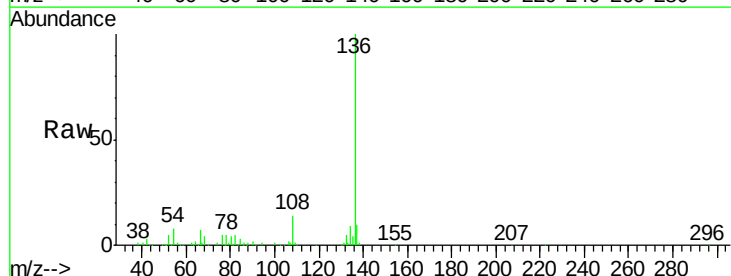
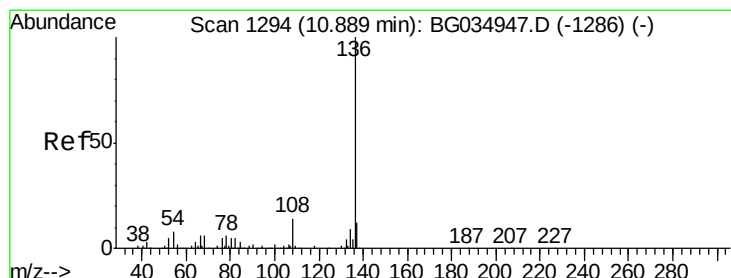
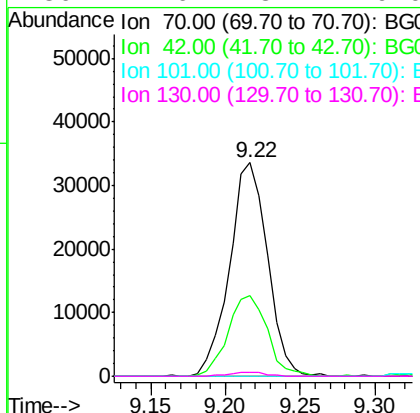




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.696 ng  
RT: 9.22 min Scan# 1009  
Delta R.T. 0.34 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

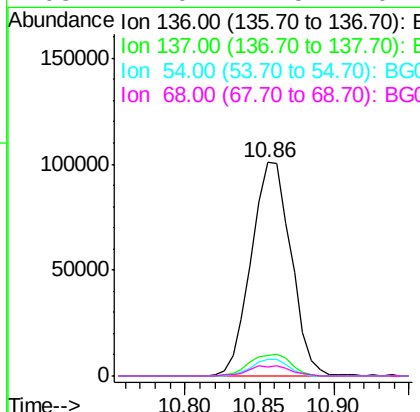
Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-S

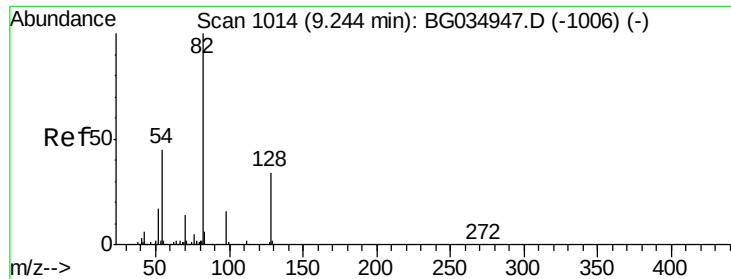
Tgt Ion: 70 Resp: 59521  
Ion Ratio Lower Upper  
70 100  
42 37.9 49.1 73.7#  
101 0.0 8.5 12.7#  
130 1.6 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1288  
Delta R.T. -0.03 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

Tgt Ion: 136 Resp: 186278  
Ion Ratio Lower Upper  
136 100  
137 9.5 9.2 13.8  
54 8.1 10.3 15.5#  
68 4.0 4.5 6.7#

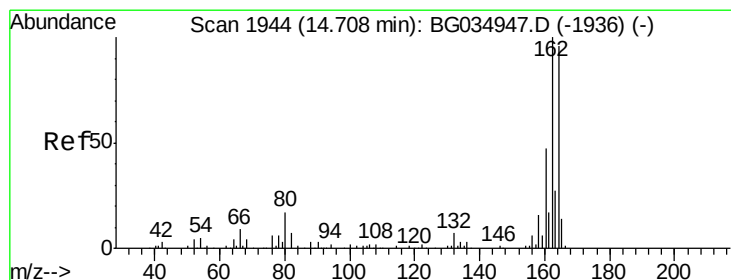
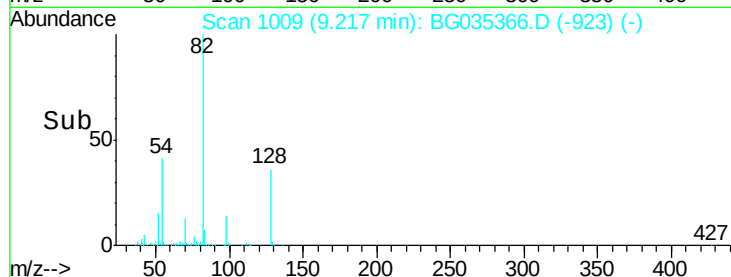
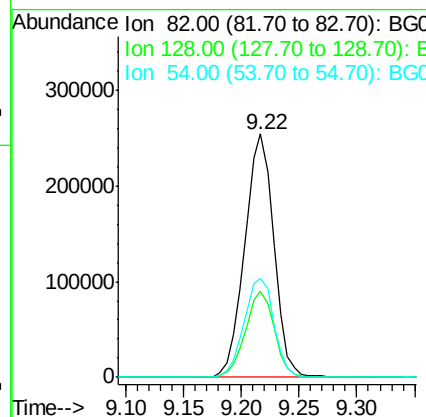
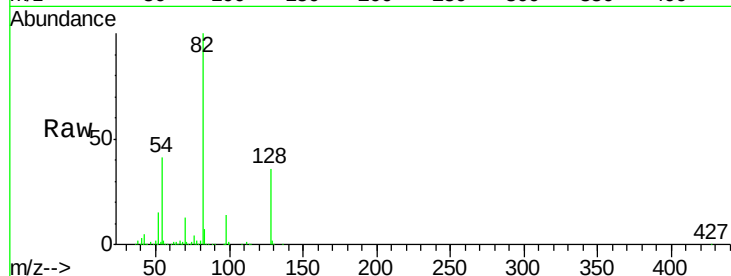




#23  
 Nitrobenzene-d5  
 Concen: 113.487 ng  
 RT: 9.22 min Scan# 1009  
 Delta R.T. -0.02 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

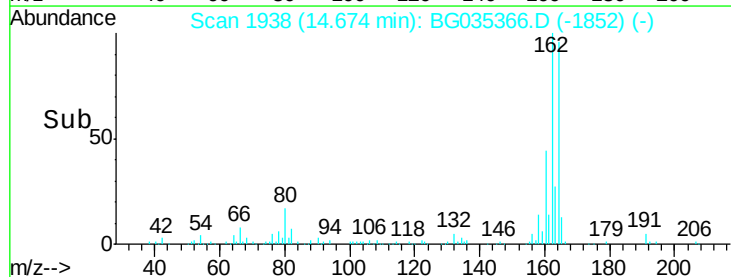
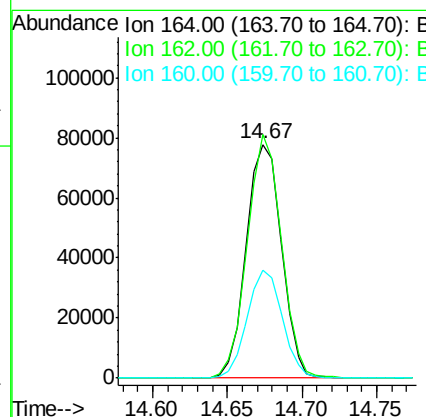
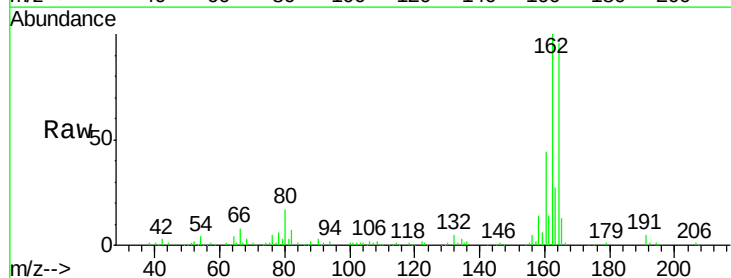
Instrument :  
 BNA\_G  
 ClientSampleId :  
 061918-DBRI-F-D-S

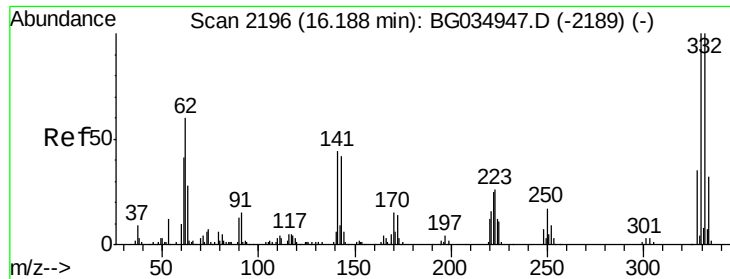
Tgt Ion: 82 Resp: 444732  
 Ion Ratio Lower Upper  
 82 100  
 128 35.6 29.7 44.5  
 54 40.6 43.1 64.7#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.02 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

Tgt Ion: 164 Resp: 127441  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 78.8 118.2  
 160 46.0 35.4 53.0

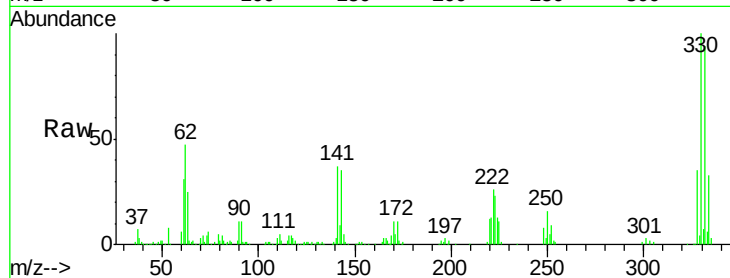




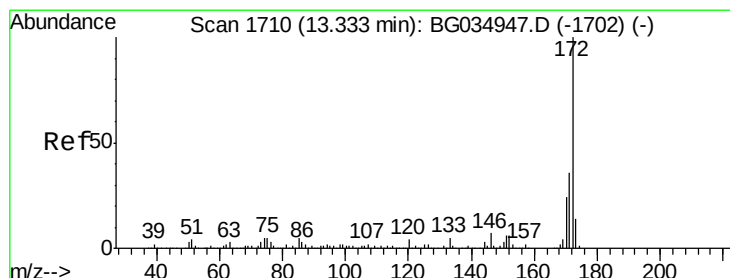
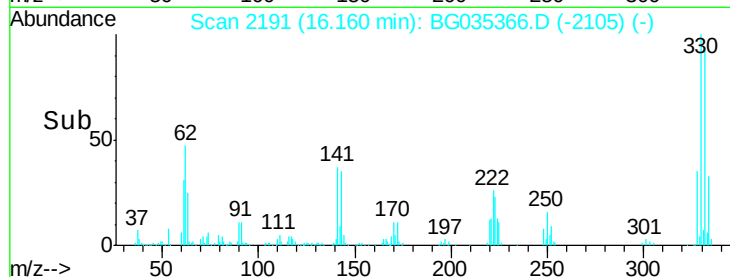
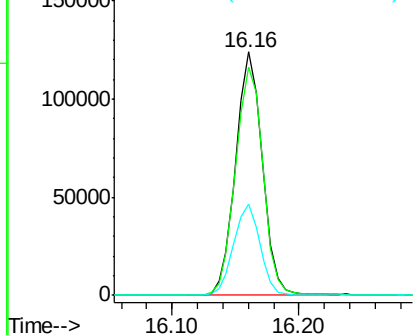
#41  
 2,4,6-Tribromophenol  
 Concen: 110.936 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.02 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

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

Tgt Ion:330 Resp: 180981  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 37.3 25.2 37.8

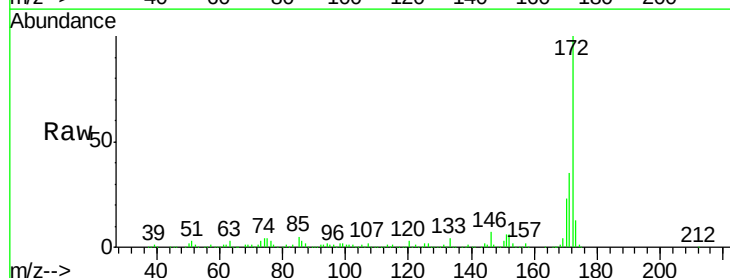


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

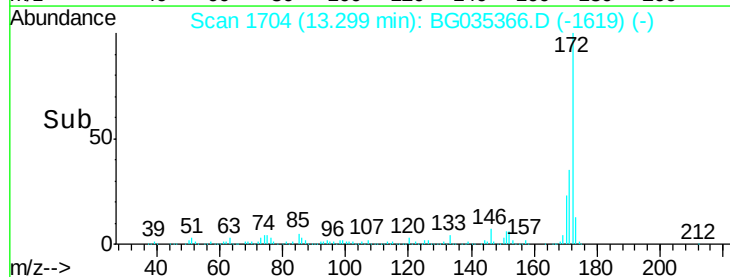
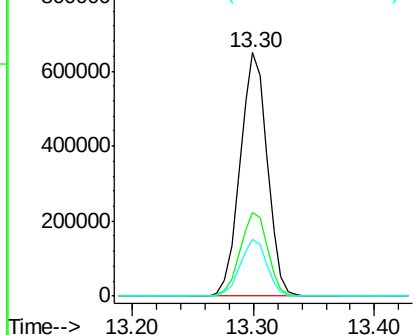


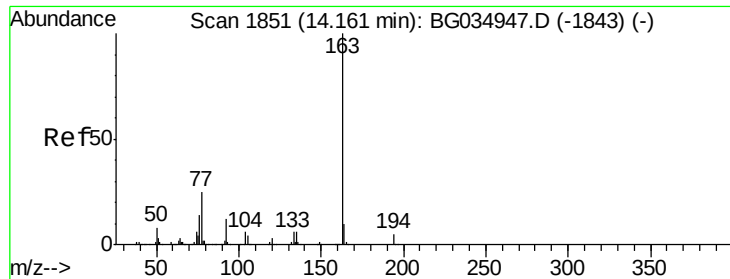
#44  
 2-Fluorobiphenyl  
 Concen: 103.663 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.03 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

Tgt Ion:172 Resp: 1016227  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 30.0 45.0  
 170 23.3 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: 3.943 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.03 min

Lab File: BG035366.D

Acq: 23 Jun 2018 13:32

Instrument :

BNA\_G

ClientSampleId :

061918-DBRI-F-D-S

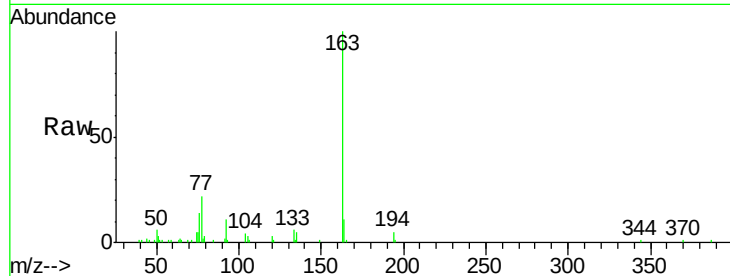
Tgt Ion:163 Resp: 43824

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

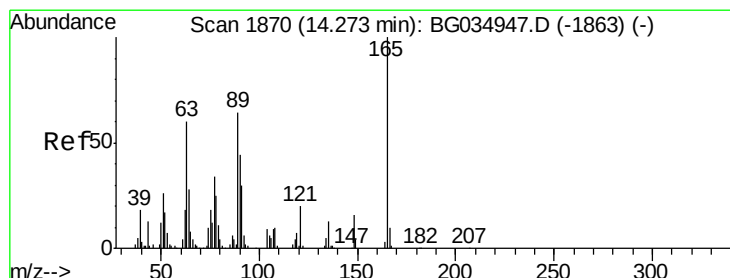
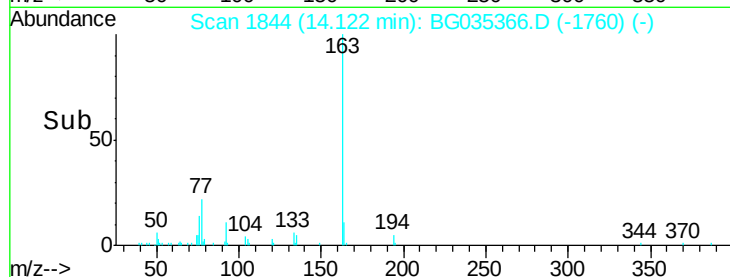
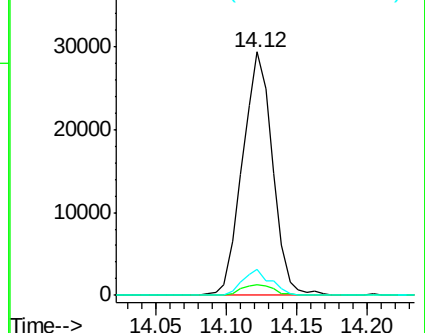
164 10.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.728 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.40 min

Lab File: BG035366.D

Acq: 23 Jun 2018 13:32

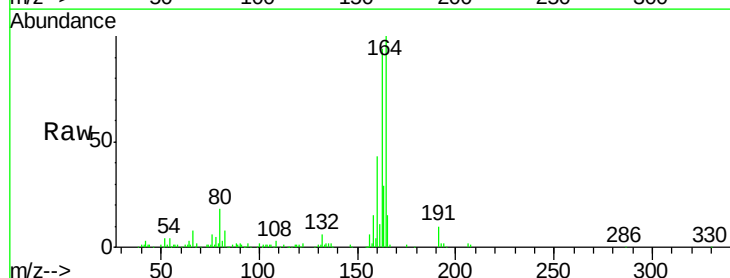
Tgt Ion:165 Resp: 17695

Ion Ratio Lower Upper

165 100

63 3.5 52.7 79.1#

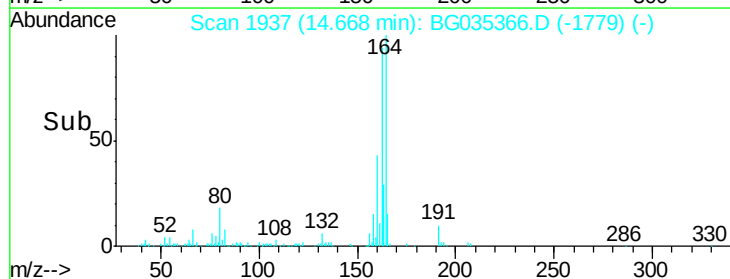
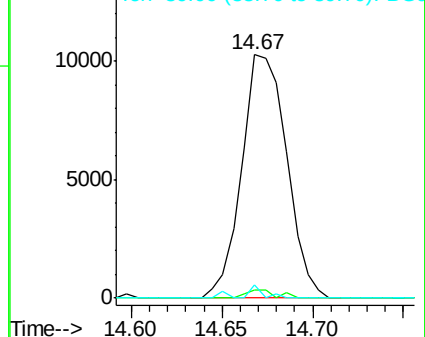
89 5.2 49.2 73.8#



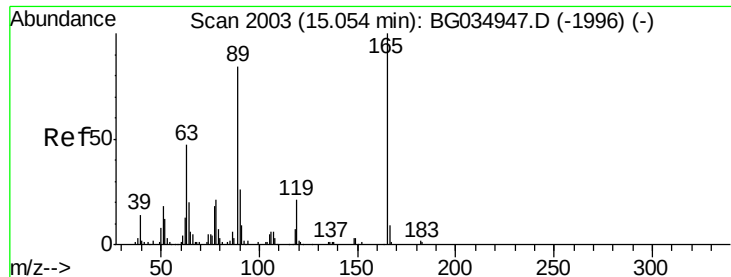
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



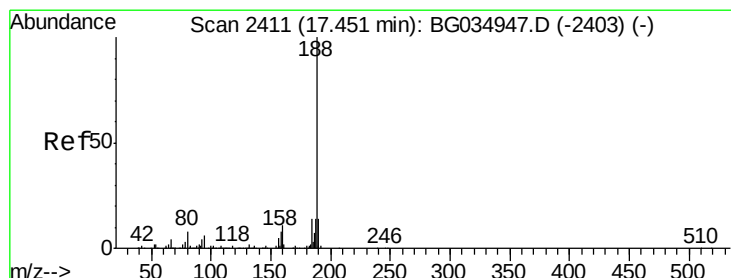
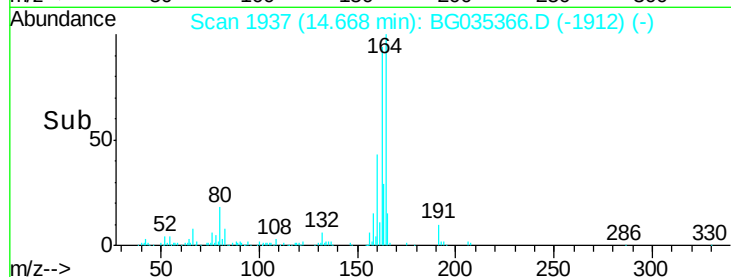
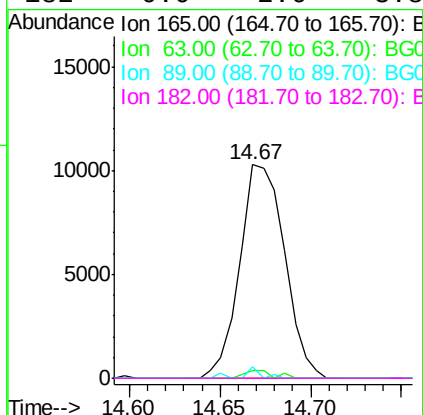
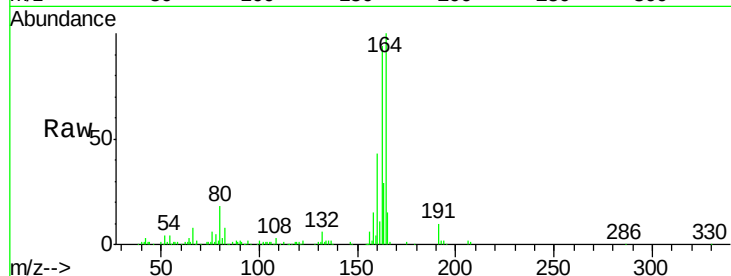




#56  
 2,4-Dinitrotoluene  
 Concen: 6.570 ng  
 RT: 14.67 min Scan# 1937  
 Delta R.T. -0.38 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

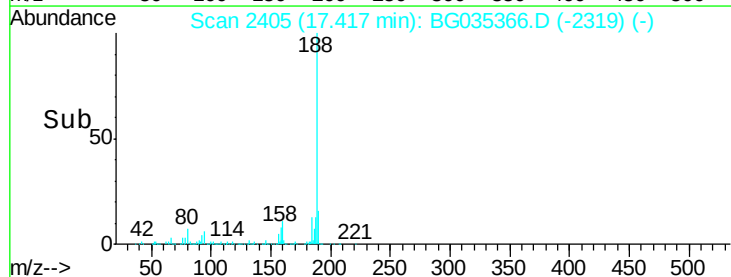
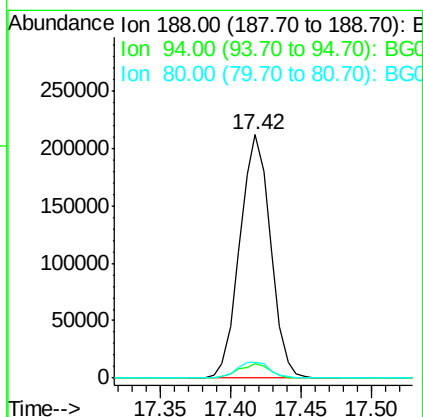
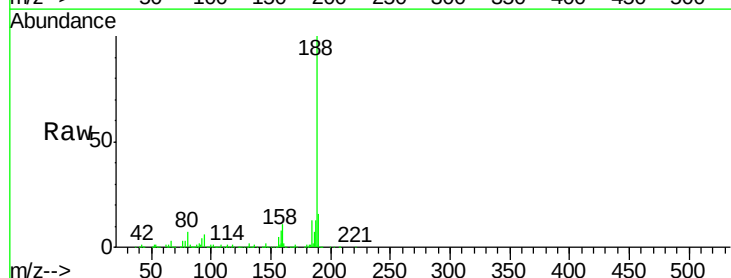
Instrument :  
 BNA\_G  
 ClientSampleId :  
 061918-DBRI-F-D-S

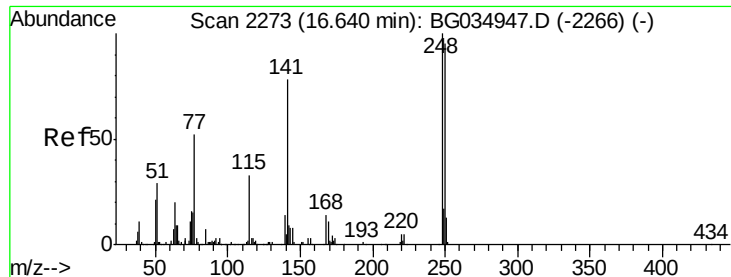
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 3.5   | 42.0  | 63.0#  |
| 89      | 5.2   | 66.9  | 100.3# |
| 182     | 0.0   | 2.6   | 3.8#   |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2405  
 Delta R.T. -0.02 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.0   | 6.9   | 10.3# |
| 80      | 6.6   | 7.7   | 11.5# |

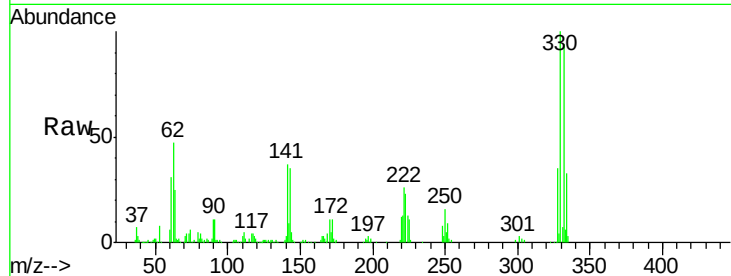




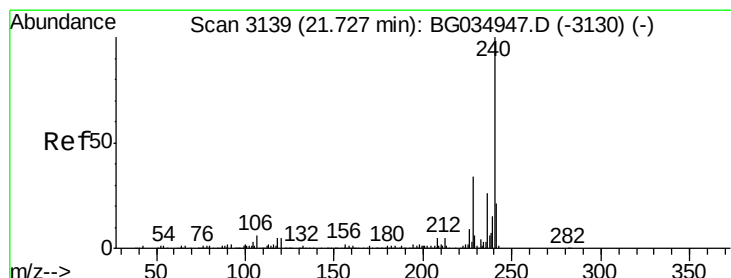
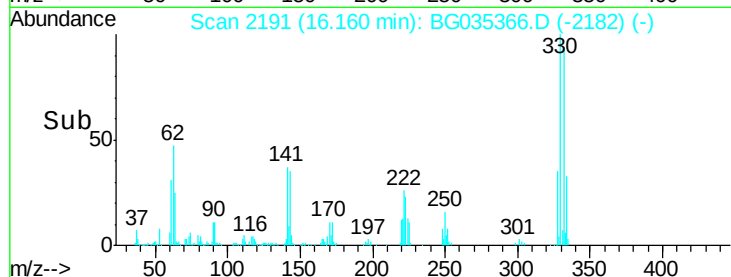
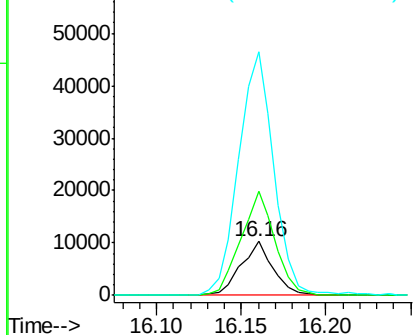
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.478 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.48 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

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

Tgt Ion:248 Resp: 13489  
 Ion Ratio Lower Upper  
 248 100  
 250 193.7 77.1 115.7#  
 141 454.0 50.8 76.2#

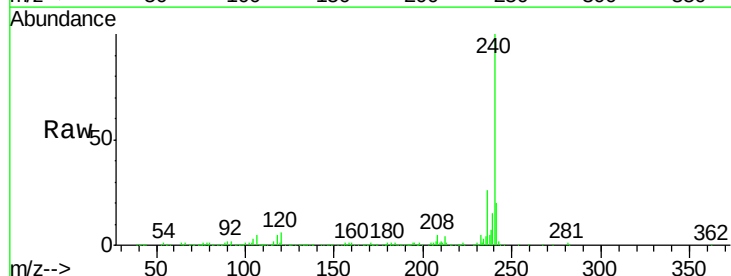


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

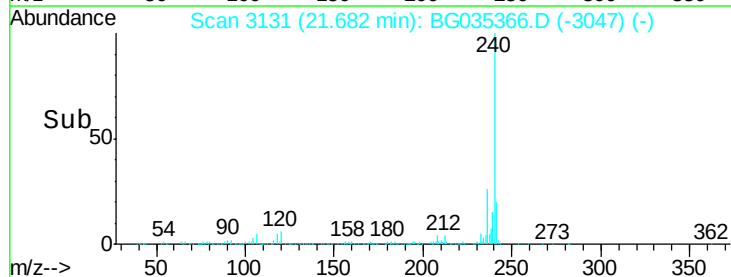
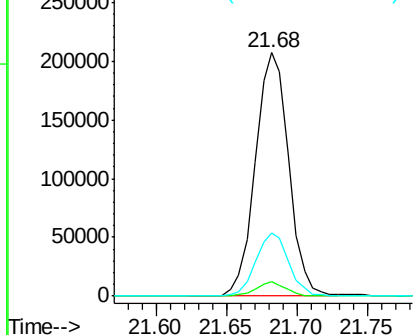


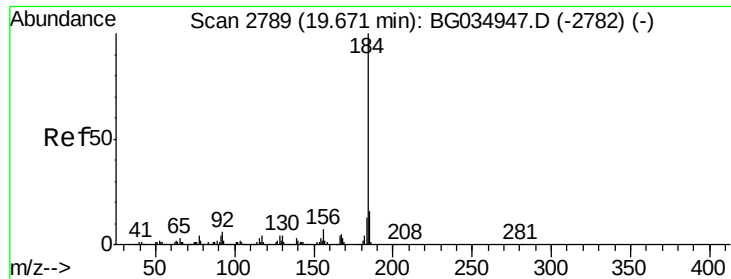
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.68 min Scan# 3131  
 Delta R.T. -0.03 min  
 Lab File: BG035366.D  
 Acq: 23 Jun 2018 13:32

Tgt Ion:240 Resp: 343155  
 Ion Ratio Lower Upper  
 240 100  
 120 6.0 6.8 10.2#  
 236 25.9 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

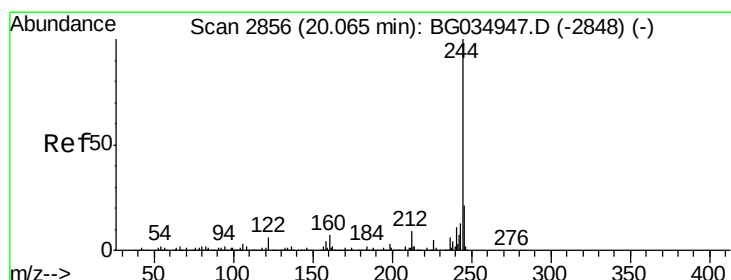
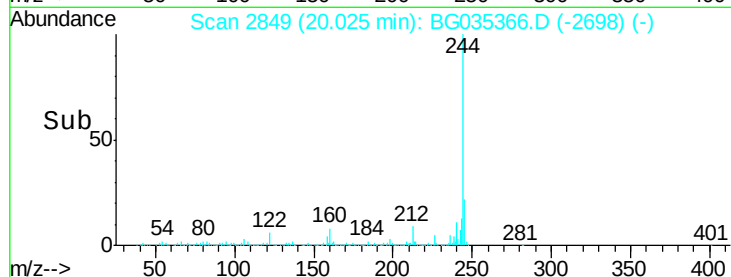
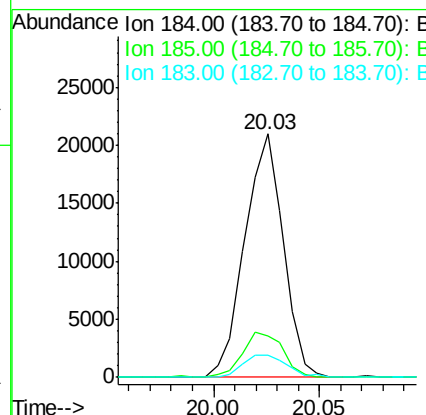
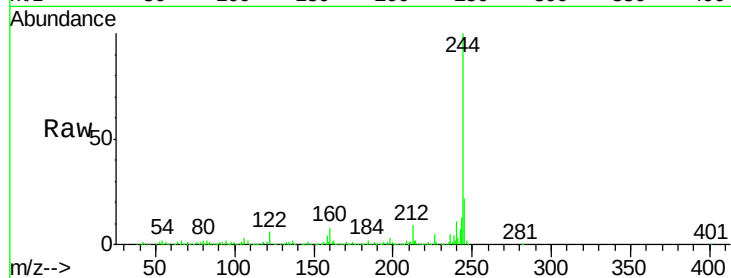




#76  
Benzidine  
Concen: 2.070 ng  
RT: 20.03 min Scan# 2849  
Delta R.T. 0.36 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

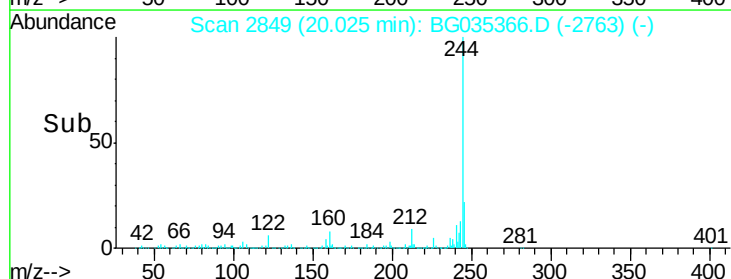
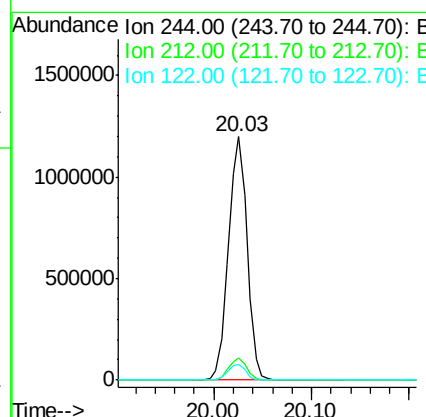
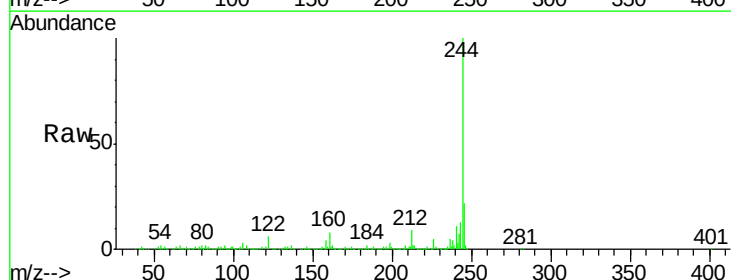
Instrument :  
BNA\_G  
ClientSampleId :  
061918-DBRI-F-D-S

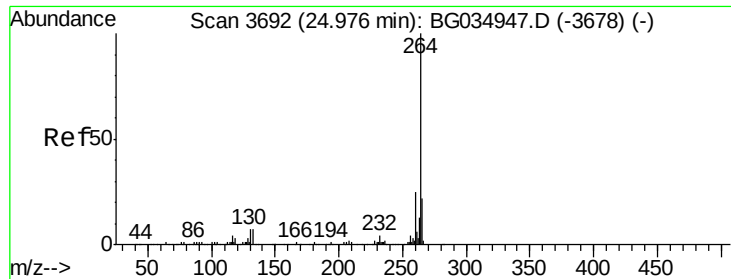
Tgt Ion:184 Resp: 26423  
Ion Ratio Lower Upper  
184 100  
185 17.0 11.1 16.7#  
183 9.2 10.6 16.0#



#78  
Terphenyl-d14  
Concen: 97.025 ng  
RT: 20.03 min Scan# 2849  
Delta R.T. -0.02 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

Tgt Ion:244 Resp: 1589492  
Ion Ratio Lower Upper  
244 100  
212 9.0 5.8 8.8#  
122 6.4 7.0 10.4#

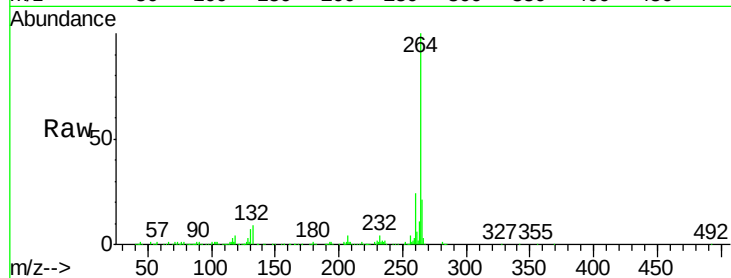




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.90 min Scan# 3679  
Delta R.T. -0.05 min  
Lab File: BG035366.D  
Acq: 23 Jun 2018 13:32

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 17.4  | 26.0  |
| 265     | 20.7  | 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

