

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\  
 Data File : BG036249.D  
 Acq On : 10 Aug 2018 1:29  
 Operator : JU/SJ  
 Sample : J4379-17  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 10 04:28:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

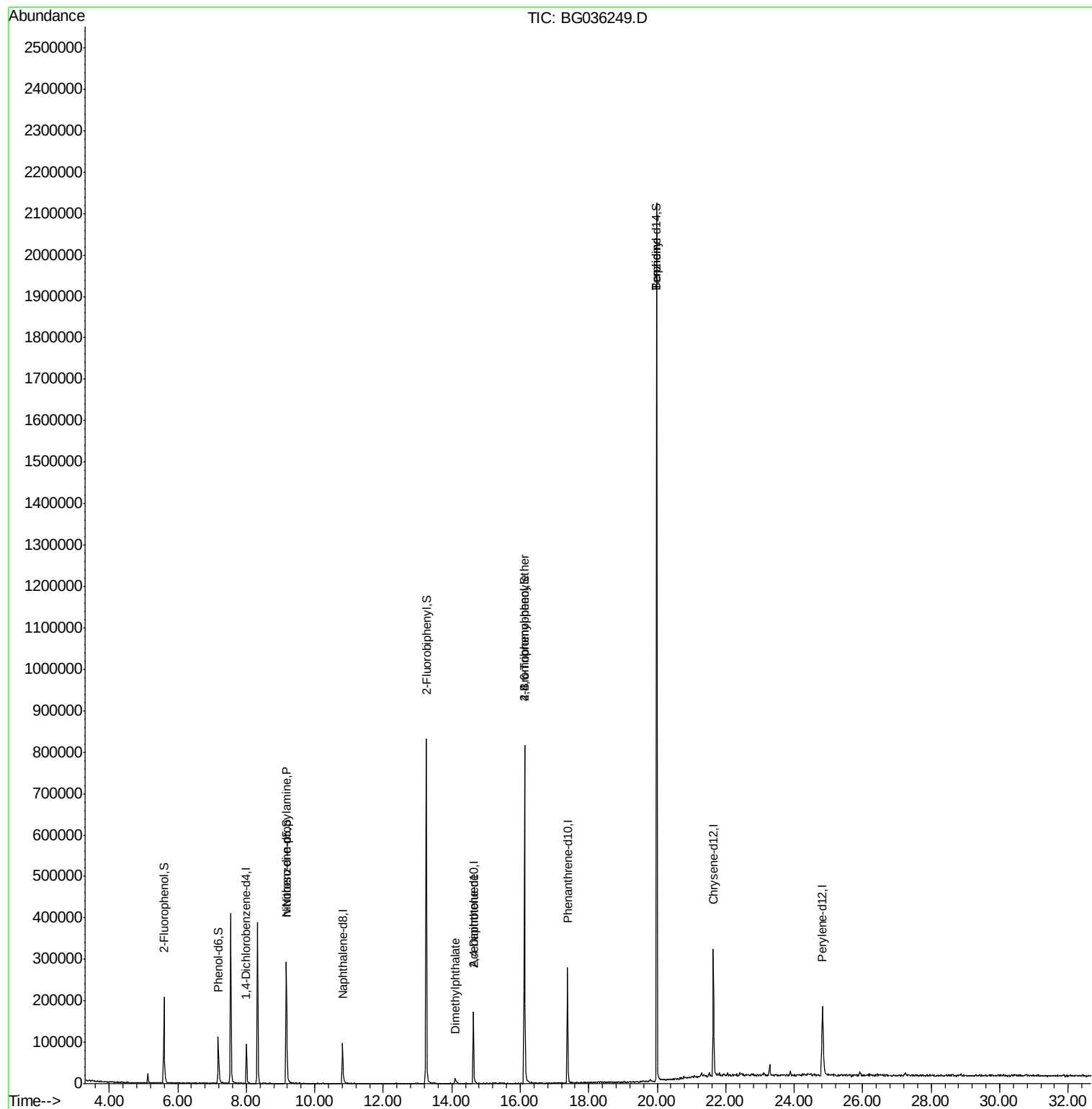
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.01  | 152  | 27185    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.81 | 136  | 97694    | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 14.63 | 164  | 65856    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.38 | 188  | 196313   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.64 | 240  | 216563   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.83 | 264  | 204655   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 97688    | 59.66  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.18  | 99   | 80697    | 33.03  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.17  | 82   | 225083   | 96.25  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 16.12 | 330  | 162008   | 186.64 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.26 | 172  | 483208   | 98.30  | ng    | -0.02    |
| 78) Terphenyl-d14              | 19.98 | 244  | 1073434  | 109.26 | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 31049    | 15.093 | ng    | # 66     |
| 49) Dimethylphthalate          | 14.10 | 163  | 15030    | 2.605  | ng    | # 95     |
| 56) 2,4-Dinitrotoluene         | 14.63 | 165  | 9140     | 5.422  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.12 | 248  | 13436    | 5.899  | ng    | # 1      |
| 76) Benzidine                  | 19.98 | 184  | 18793    | 3.301  | ng    | # 94     |

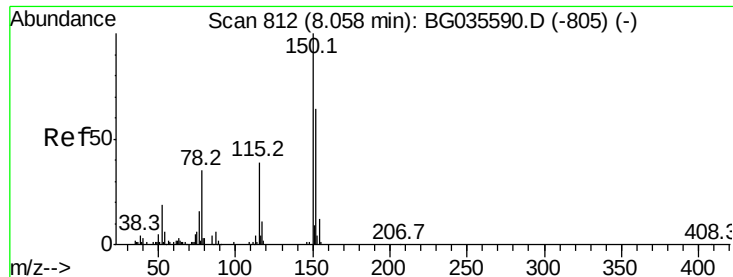
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 2018  
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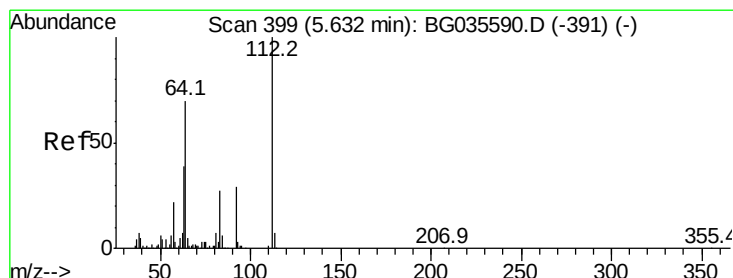
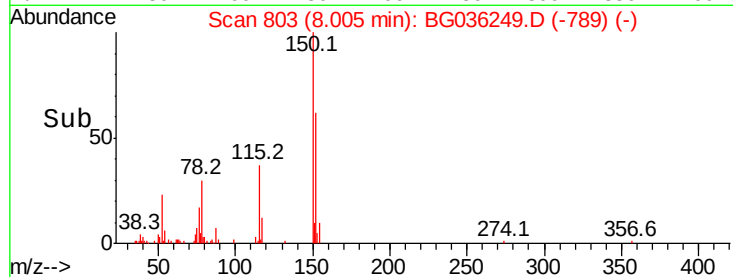
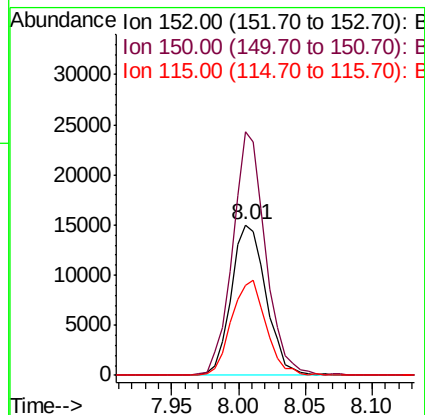
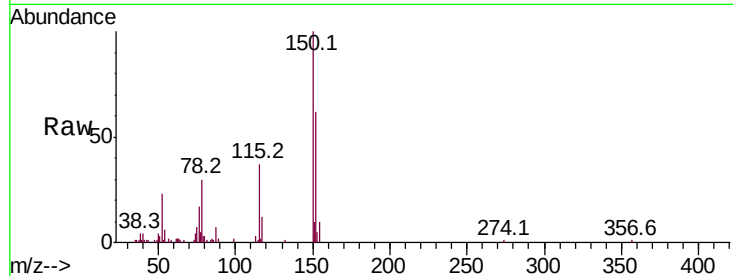


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 803  
Delta R.T. -0.02 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

Instrument :  
BNA\_G  
ClientSampleId :

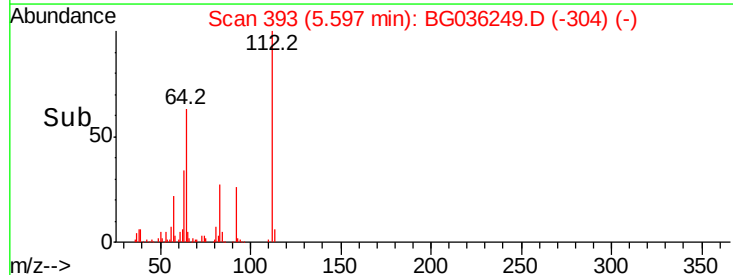
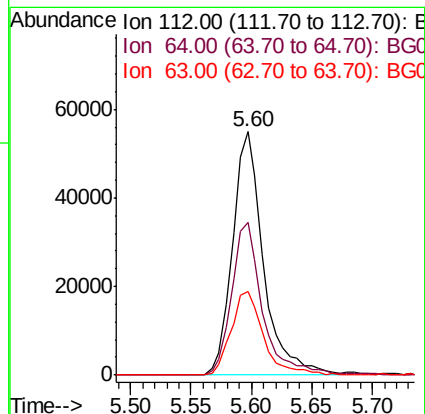
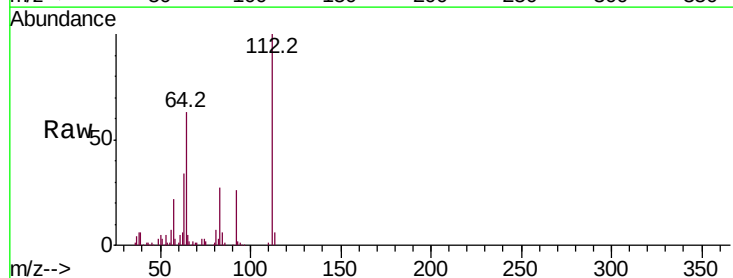
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 162.1 | 126.6 | 189.8 |
| 115     | 59.8  | 53.0  | 79.4  |

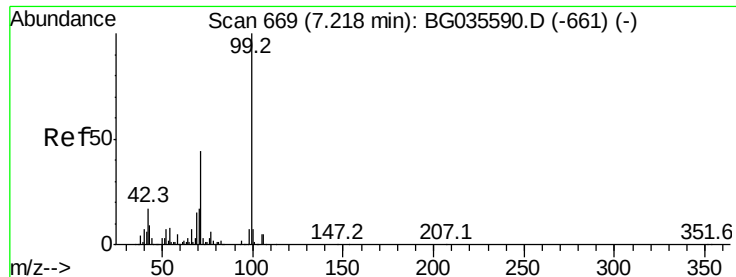


#5

2-Fluorophenol  
Concen: 59.660 ng  
RT: 5.60 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.6  | 56.3  | 84.5  |
| 63      | 34.4  | 30.1  | 45.1  |





#7

Phenol-d6

Concen: 33.032 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

Instrument :

BNA\_G

ClientSampled :

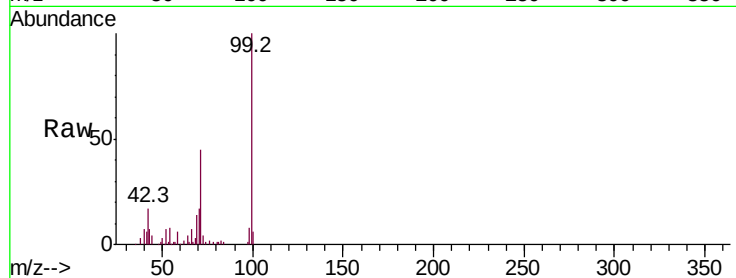
Tot Ion: 99 Resp: 80697

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

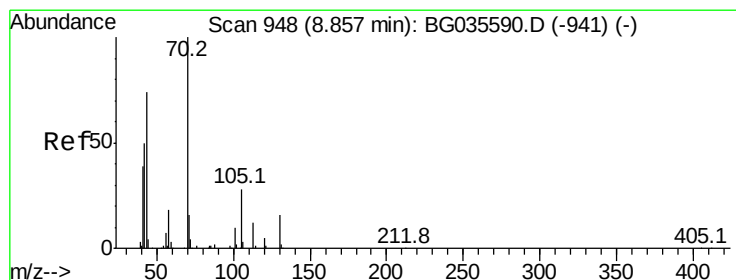
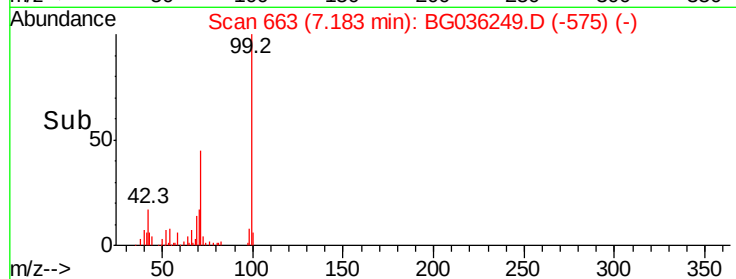
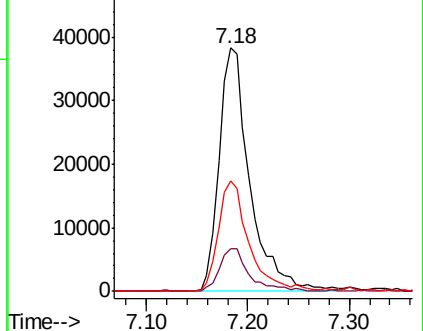
71 45.3 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.093 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

Tgt Ion: 70 Resp: 31049

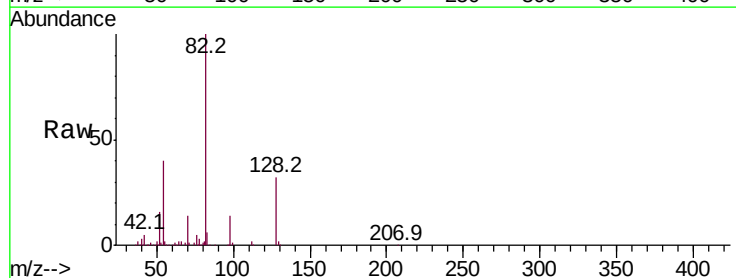
Ion Ratio Lower Upper

70 100

42 34.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

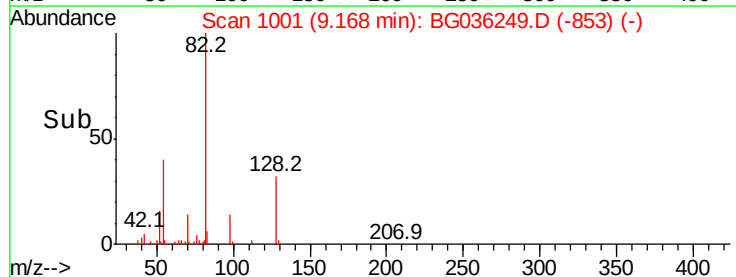
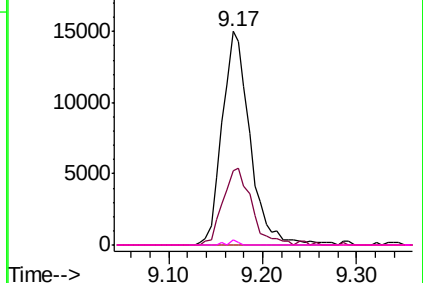


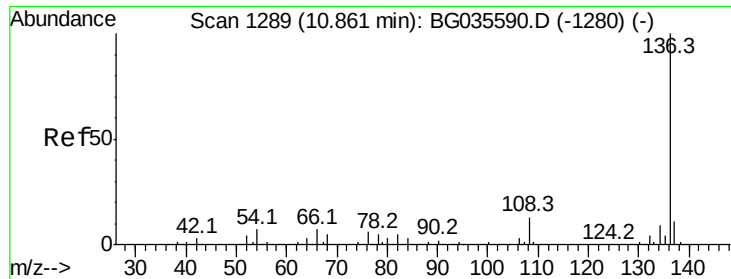
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:136 Resp: 97694

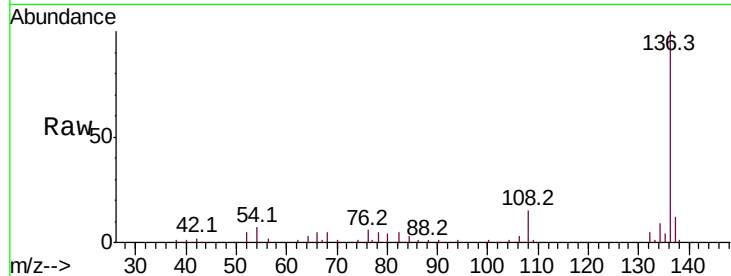
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 6.7 10.3 15.5#

68 4.9 4.5 6.7

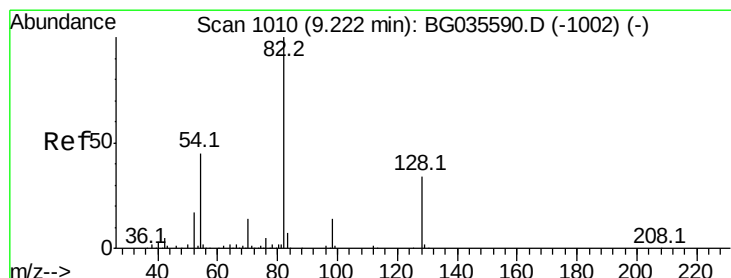
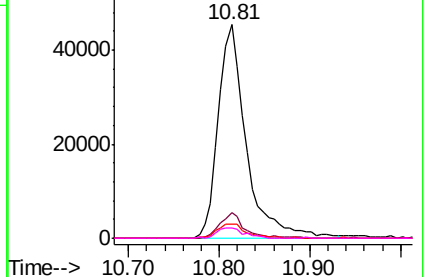
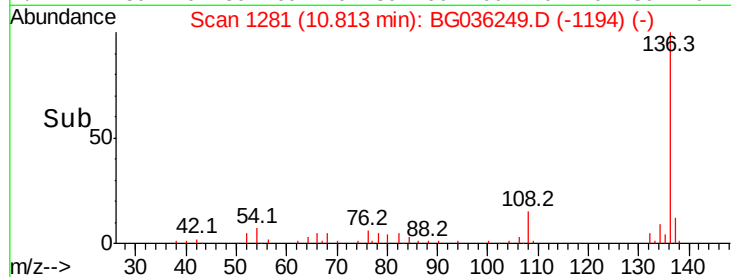


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.247 ng

RT: 9.17 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

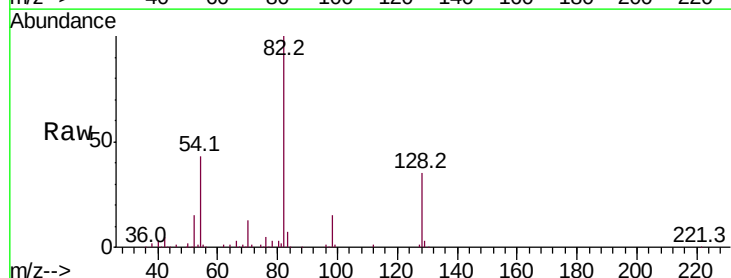
Tgt Ion: 82 Resp: 225083

Ion Ratio Lower Upper

82 100

128 35.2 29.7 44.5

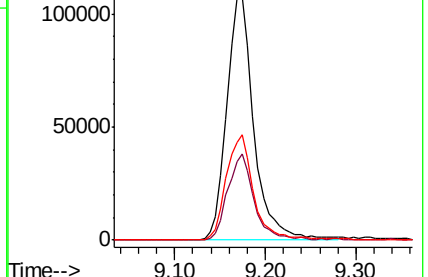
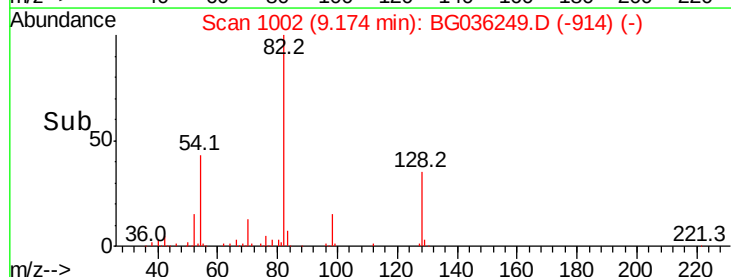
54 43.2 43.1 64.7

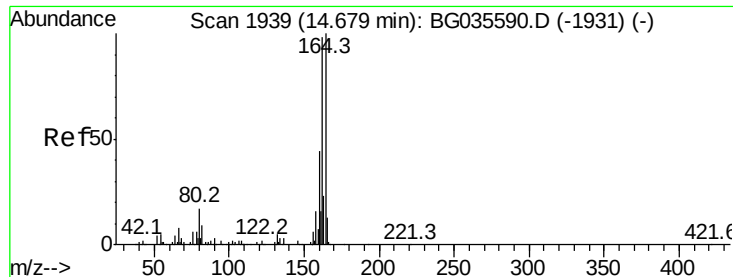


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.63 min Scan# 1931

Delta R.T. -0.02 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

Instrument :

BNA\_G

ClientSampleId :

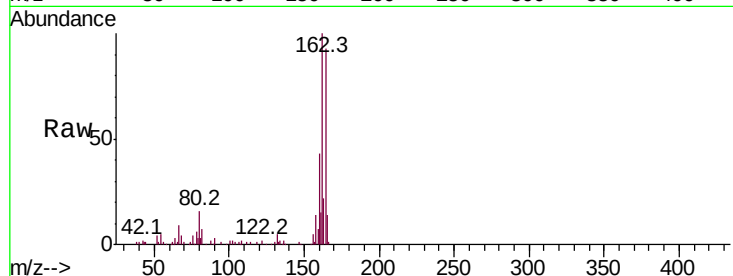
Tot Ion:164 Resp: 65856

Ion Ratio Lower Upper

164 100

162 107.3 78.8 118.2

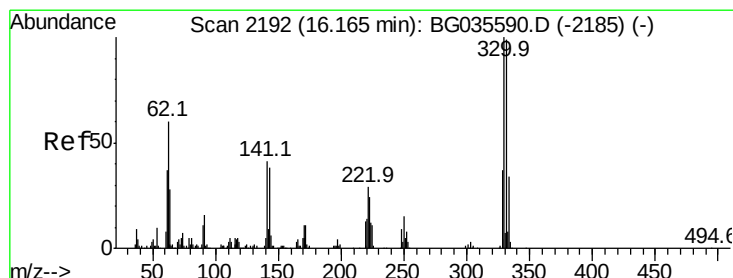
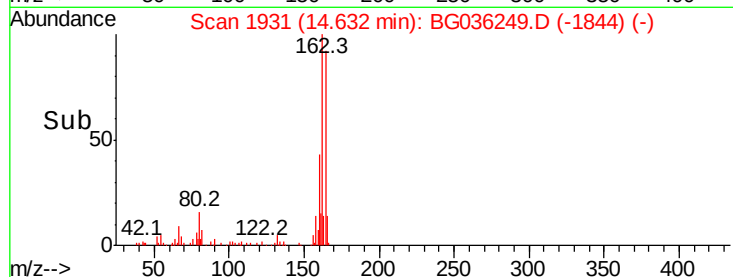
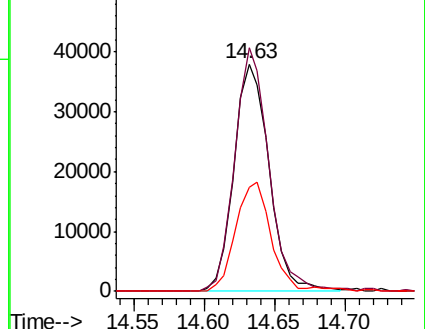
160 46.1 35.4 53.0



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: 186.640 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

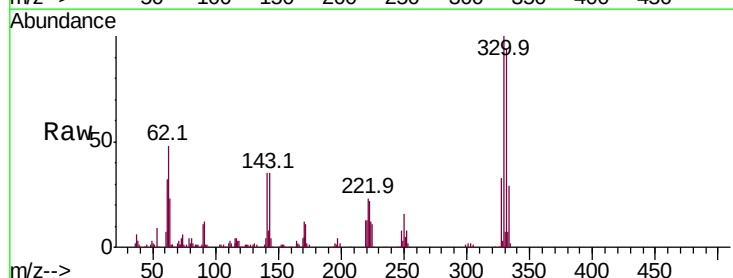
Tgt Ion:330 Resp: 162008

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

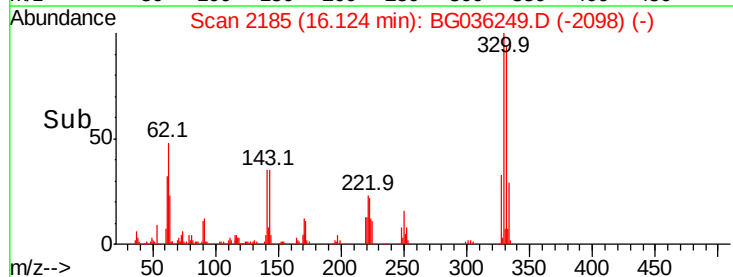
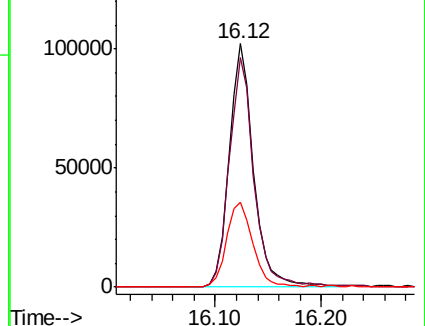
141 37.7 25.2 37.8

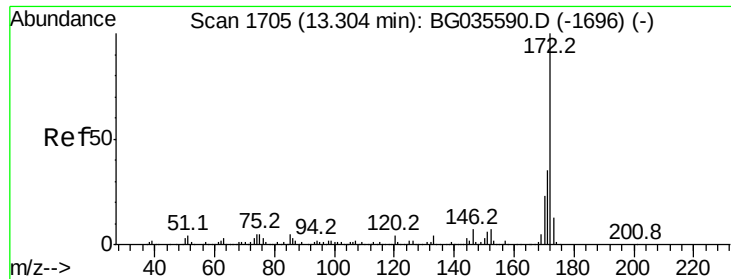


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

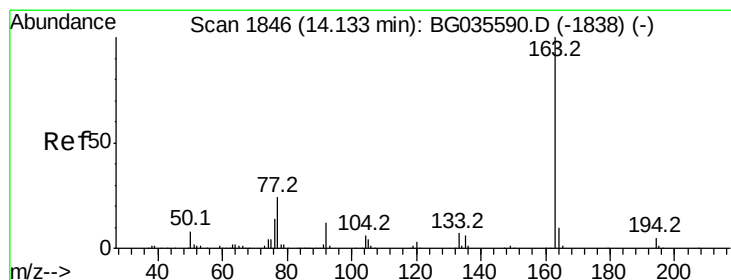
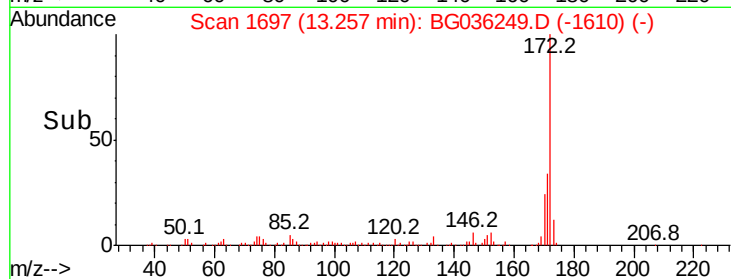
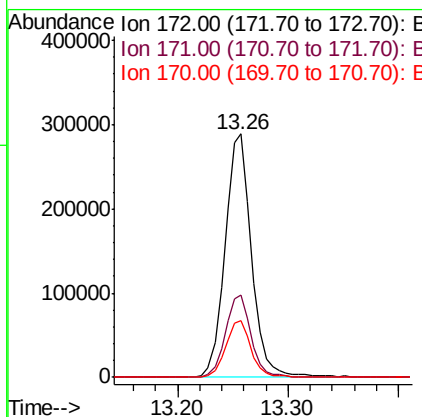
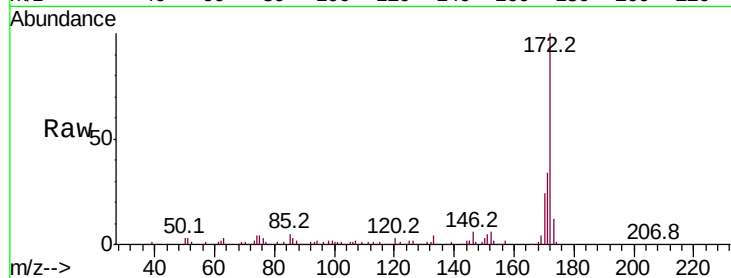




#44  
2-Fluorobiphenyl  
Concen: 98.301 ng  
RT: 13.26 min Scan# 1697  
Delta R.T. -0.02 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

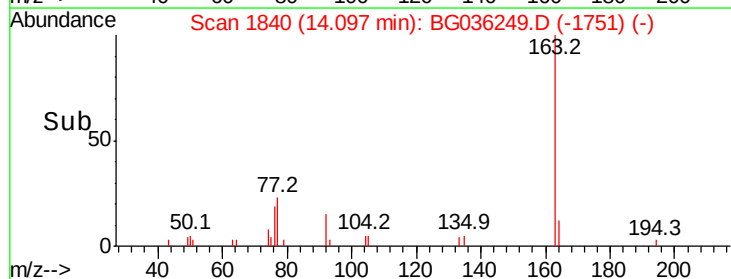
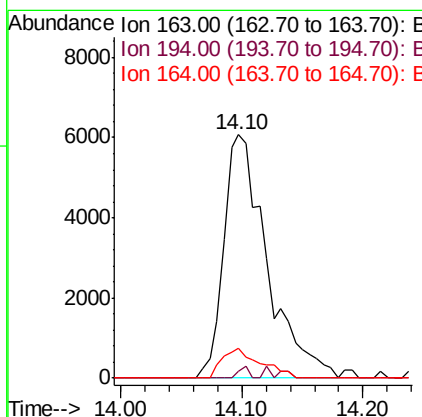
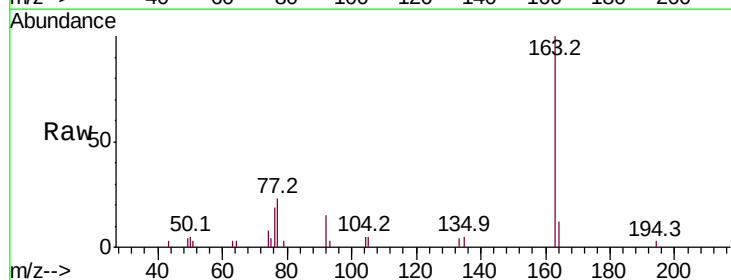
Instrument :  
BNA\_G  
ClientSampleId :

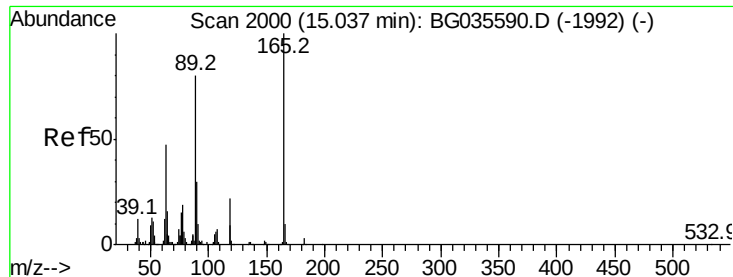
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.0  | 30.0  | 45.0  |
| 170     | 23.5  | 19.5  | 29.3  |



#49  
Dimethylphthalate  
Concen: 2.605 ng  
RT: 14.10 min Scan# 1840  
Delta R.T. -0.01 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 2.9   | 3.4   | 5.2#  |
| 164     | 12.2  | 8.2   | 12.4  |

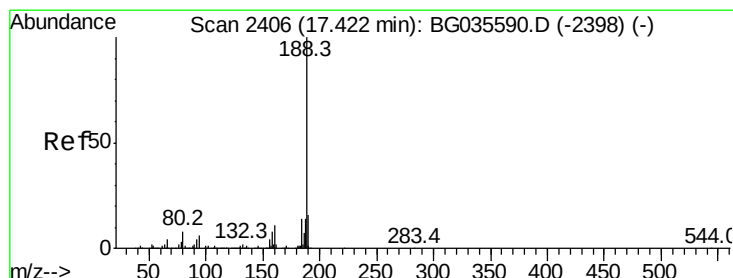
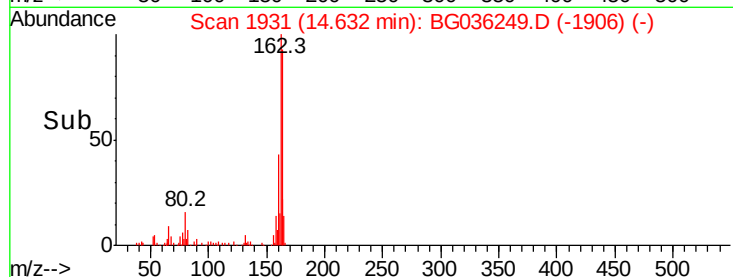
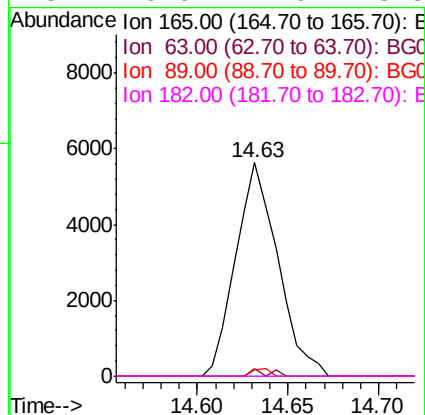
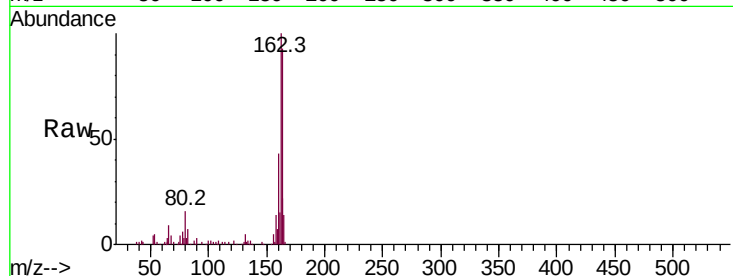




#56  
2,4-Dinitrotoluene  
Concen: 5.422 ng  
RT: 14.63 min Scan# 1931  
Delta R.T. -0.38 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

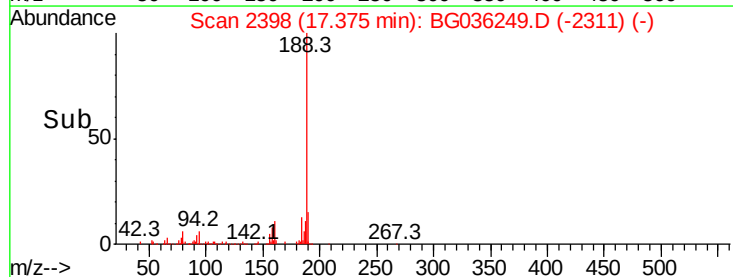
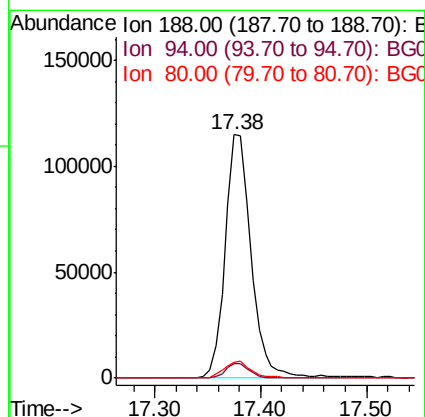
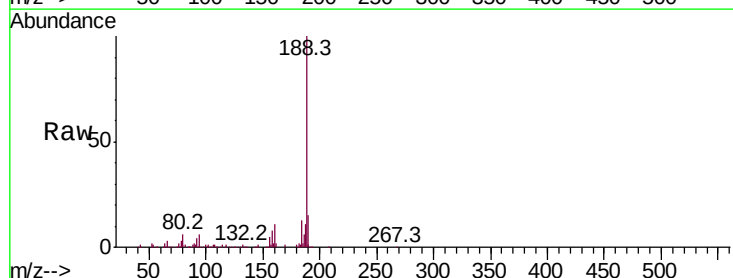
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 9140  
Ion Ratio Lower Upper  
165 100  
63 3.3 42.0 63.0#  
89 3.2 66.9 100.3#  
182 0.0 2.6 3.8#

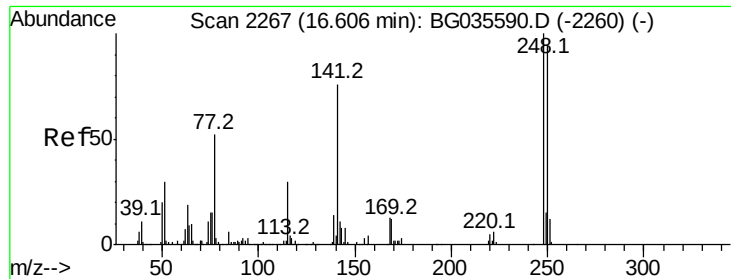


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.38 min Scan# 2398  
Delta R.T. -0.02 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

Tgt Ion:188 Resp: 196313  
Ion Ratio Lower Upper  
188 100  
94 5.7 6.9 10.3#  
80 6.5 7.7 11.5#



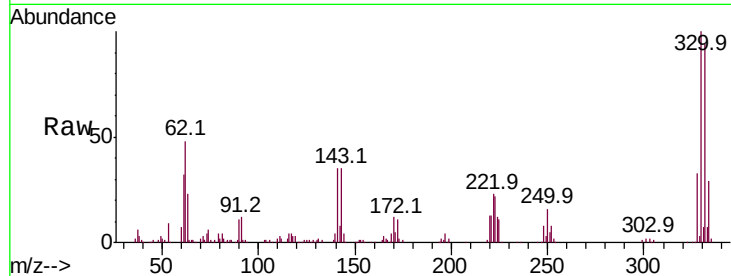




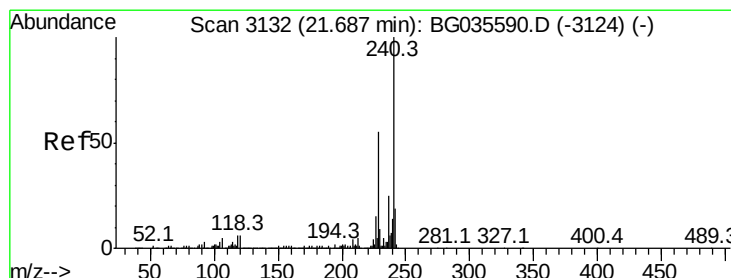
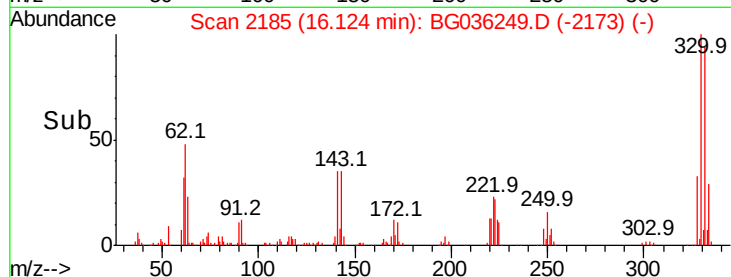
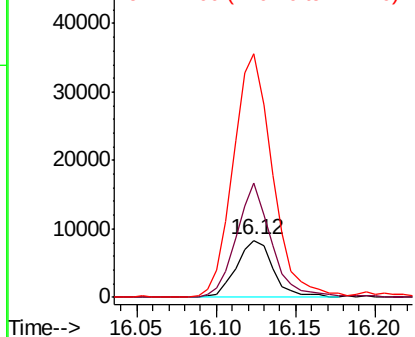
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.899 ng  
 RT: 16.12 min Scan# 2185  
 Delta R.T. -0.46 min  
 Lab File: BG036249.D  
 Acq: 10 Aug 2018 1:29

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:248 Resp: 13436  
 Ion Ratio Lower Upper  
 248 100  
 250 201.5 77.1 115.7#  
 141 427.6 50.8 76.2#

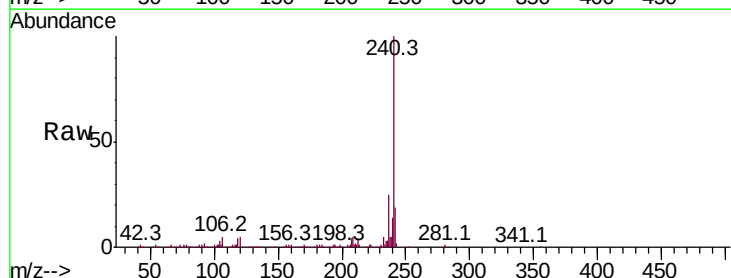


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

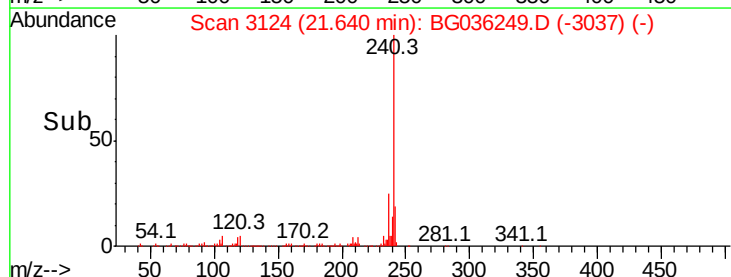
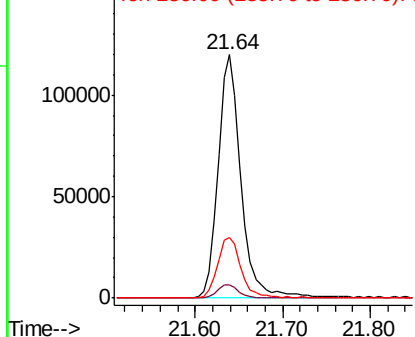


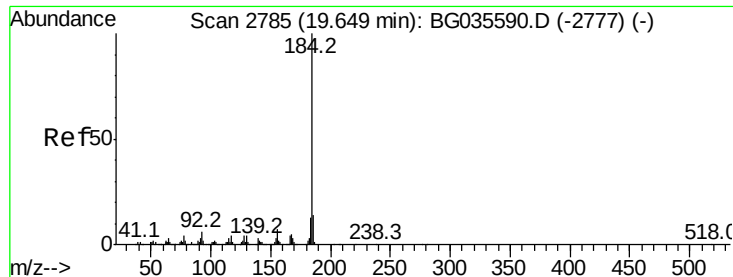
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.64 min Scan# 3124  
 Delta R.T. -0.02 min  
 Lab File: BG036249.D  
 Acq: 10 Aug 2018 1:29

Tgt Ion:240 Resp: 216563  
 Ion Ratio Lower Upper  
 240 100  
 120 5.2 6.8 10.2#  
 236 24.8 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: 3.301 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

Instrument :

BNA\_G

ClientSampleId :

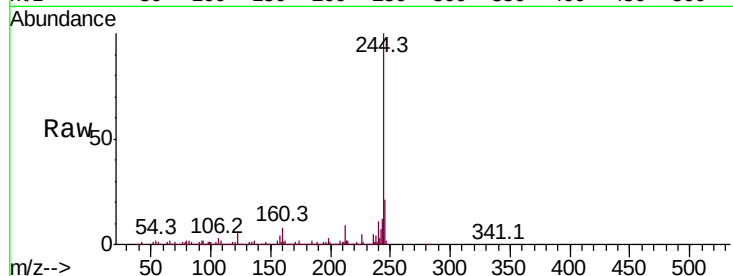
Tot Ion:184 Resp: 18793

Ion Ratio Lower Upper

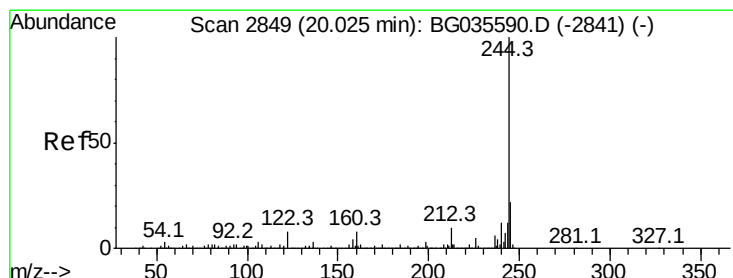
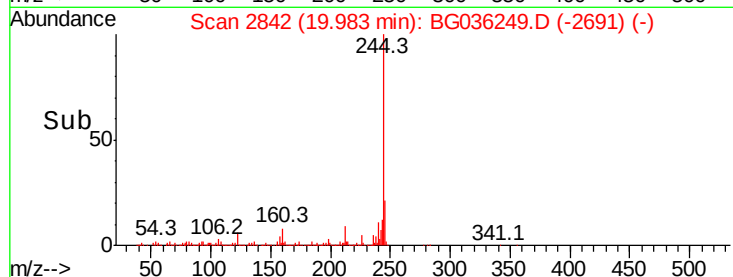
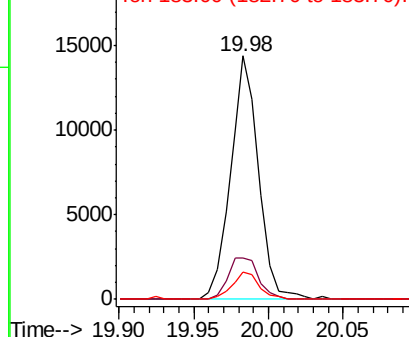
184 100

185 16.8 11.1 16.7#

183 11.2 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: 109.260 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036249.D

Acq: 10 Aug 2018 1:29

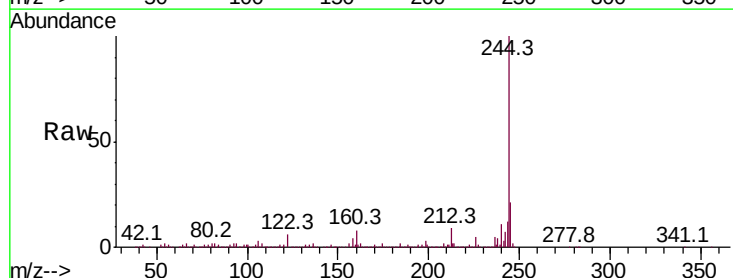
Tgt Ion:244 Resp: 1073434

Ion Ratio Lower Upper

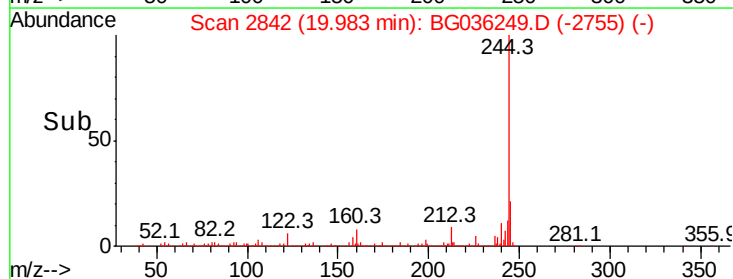
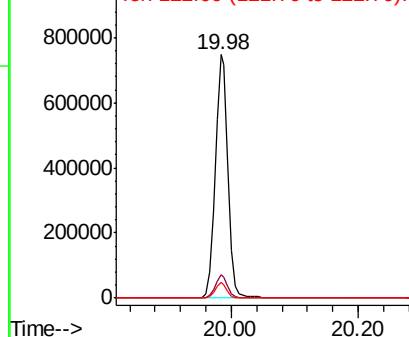
244 100

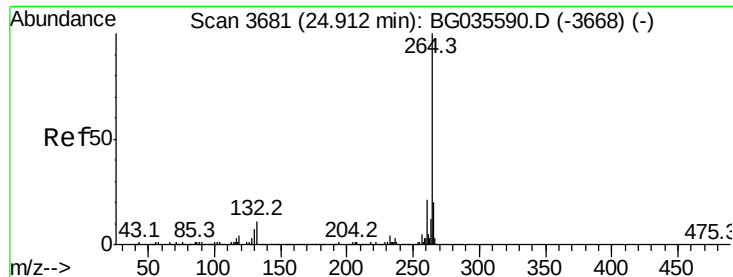
212 9.4 5.8 8.8#

122 6.3 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

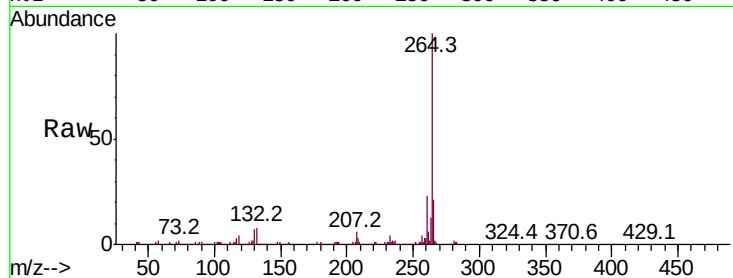




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.83 min Scan# 3667  
Delta R.T. -0.03 min  
Lab File: BG036249.D  
Acq: 10 Aug 2018 1:29

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 17.4  | 26.0  |
| 265     | 20.9  | 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

