

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\  
 Data File : BG032113.D  
 Acq On : 17 Jan 2018 22:58  
 Operator : SJ/JU  
 Sample : J1166-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 18 05:20:12 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

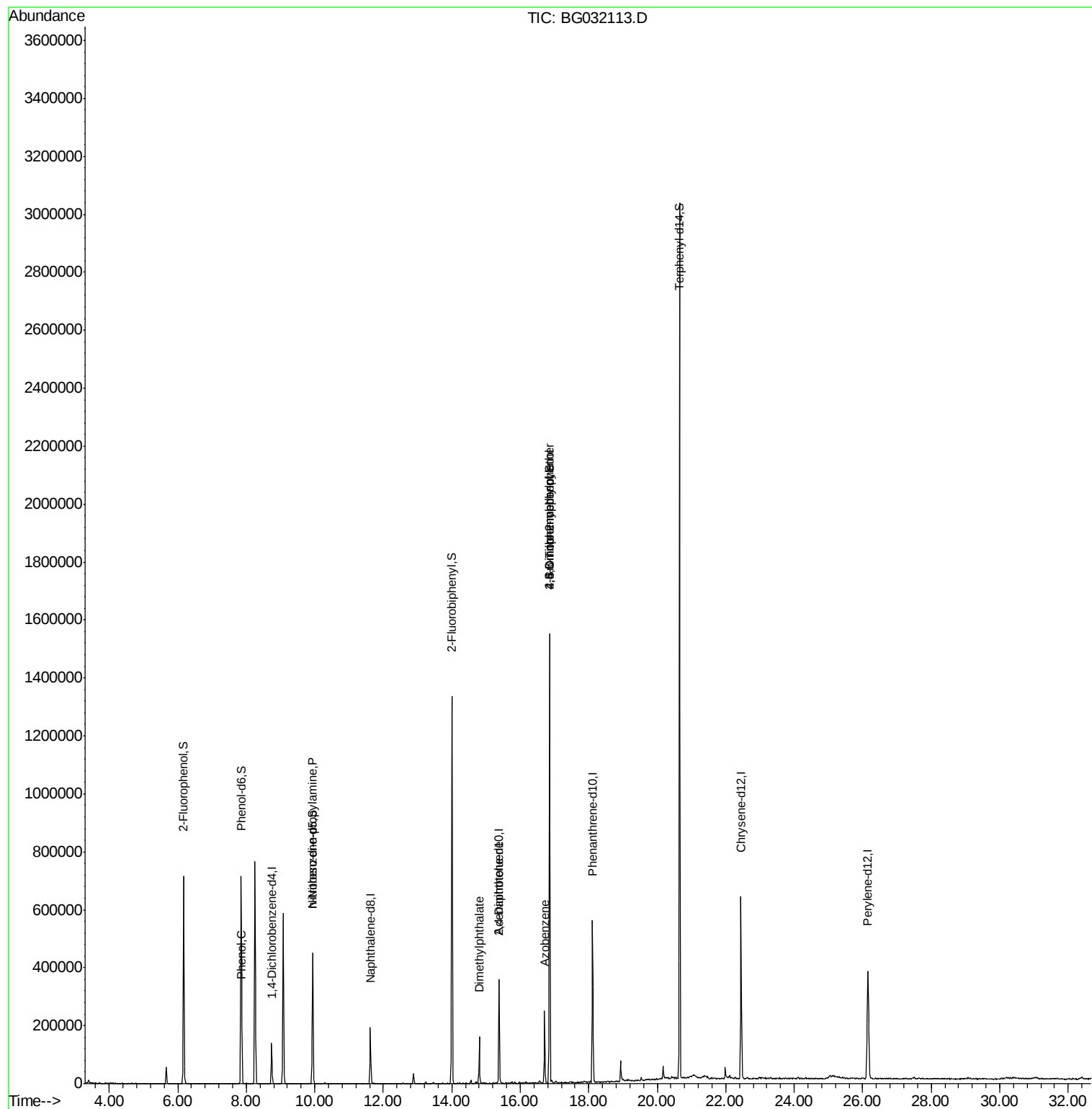
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.75  | 152  | 48542    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 11.62 | 136  | 191413   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10           | 15.38 | 164  | 136889   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 18.11 | 188  | 375123   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 22.45 | 240  | 475973   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 26.15 | 264  | 507743   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.17  | 112  | 368144   | 138.71 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.85  | 99   | 474807   | 142.04 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.94  | 82   | 280993   | 99.32  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 16.85 | 330  | 351304   | 155.09 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 14.00 | 172  | 813737   | 73.71  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.65 | 244  | 1567063  | 72.70  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.88  | 94   | 19891    | 6.041  | ng    | 94       |
| 19) n-Nitroso-di-n-propylamine | 9.94  | 70   | 38948    | 18.779 | ng    | # 75     |
| 49) Dimethylphthalate          | 14.80 | 163  | 119225   | 9.953  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 15.38 | 165  | 18209    | 5.440  | ng    | # 18     |
| 62) Azobenzene                 | 16.71 | 77   | 64547    | 8.880  | ng    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 16.85 | 198  | 1023     | 5.267  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 16.85 | 248  | 28769    | 5.390  | ng    | # 1      |

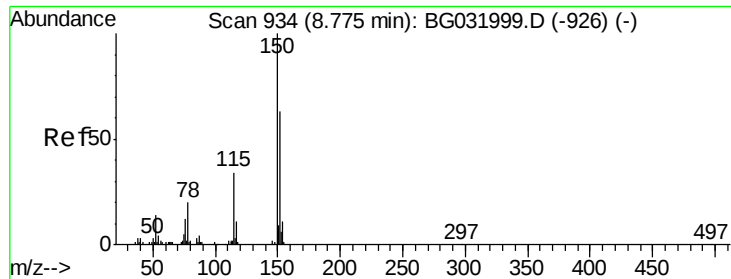
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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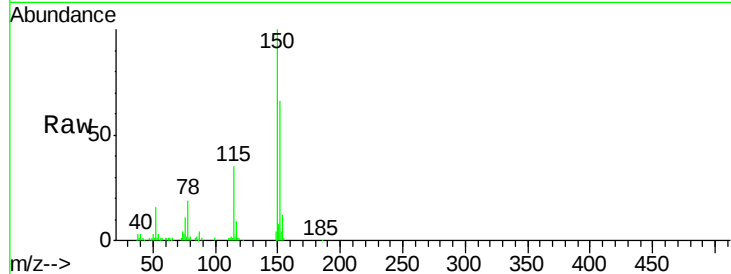


#1

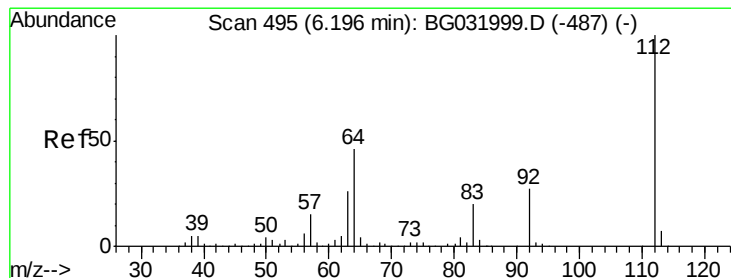
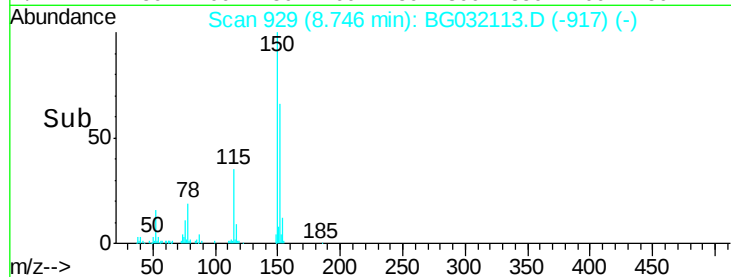
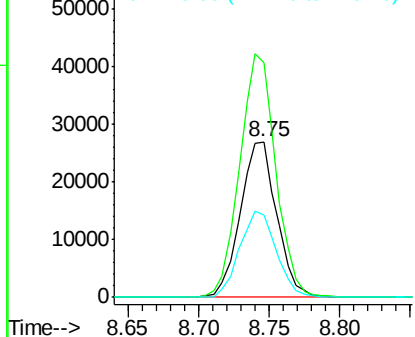
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.75 min Scan# 929  
Delta R.T. -0.03 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 48542  
Ion Ratio Lower Upper  
152 100  
150 150.5 126.6 189.8  
115 52.7 53.0 79.4#



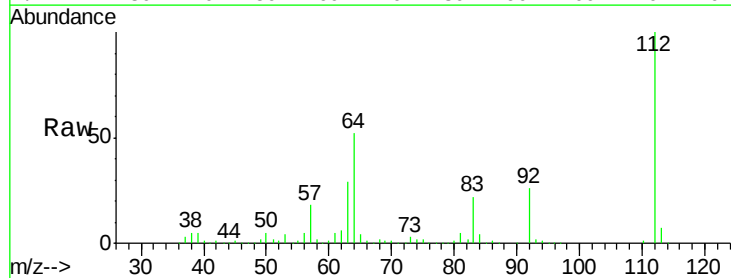
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



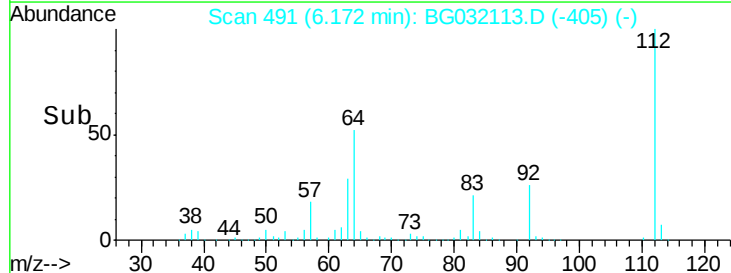
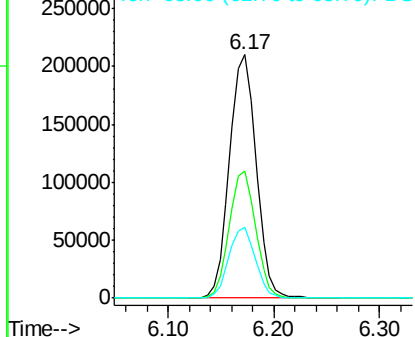
#5

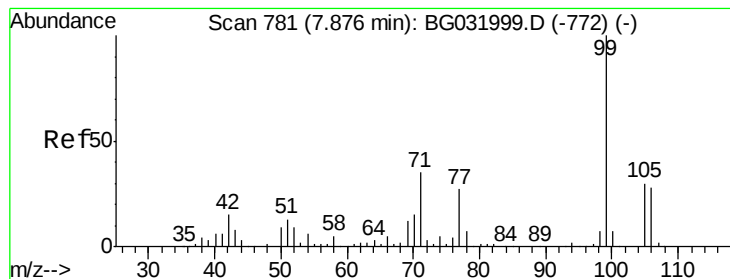
2-Fluorophenol  
Concen: 138.707 ng  
RT: 6.17 min Scan# 491  
Delta R.T. -0.02 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Tgt Ion:112 Resp: 368144  
Ion Ratio Lower Upper  
112 100  
64 52.4 56.3 84.5#  
63 28.9 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: 142.043 ng

RT: 7.85 min Scan# 777

Delta R.T. -0.02 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

Instrument :

BNA\_G

ClientSampleId :

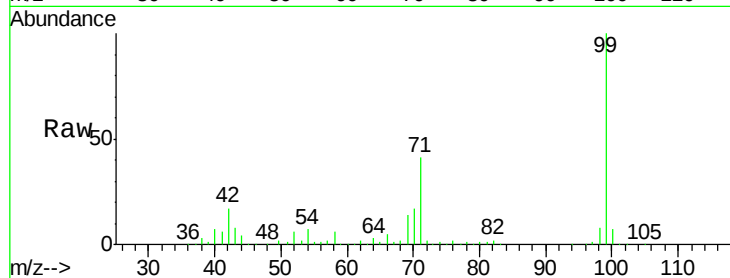
Tot Ion: 99 Resp: 474807

Ion Ratio Lower Upper

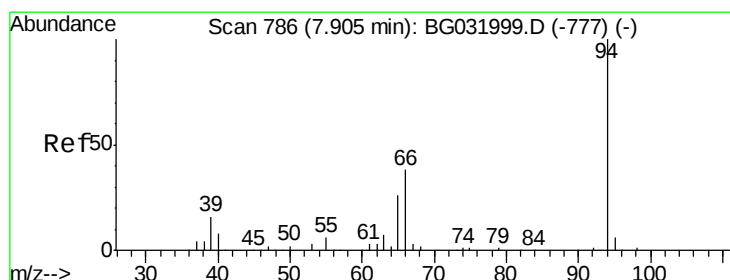
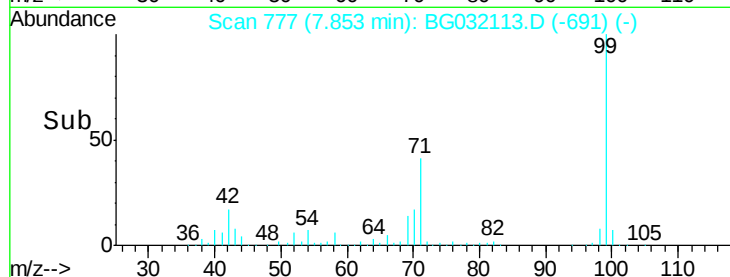
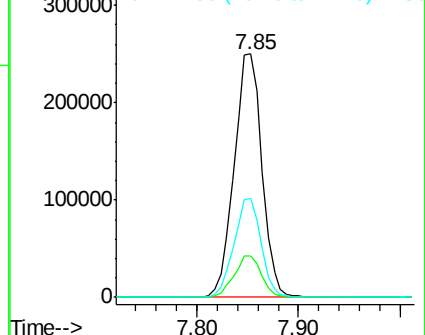
99 100

42 17.2 14.1 21.1

71 40.7 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: 6.041 ng

RT: 7.88 min Scan# 781

Delta R.T. -0.03 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

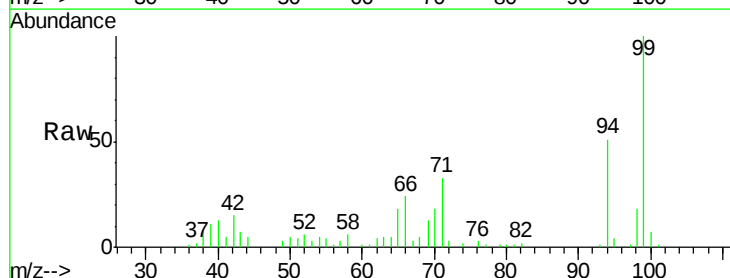
Tgt Ion: 94 Resp: 19891

Ion Ratio Lower Upper

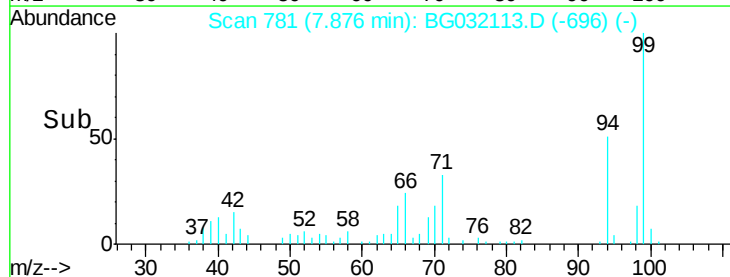
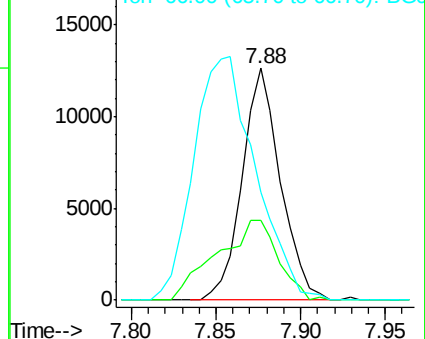
94 100

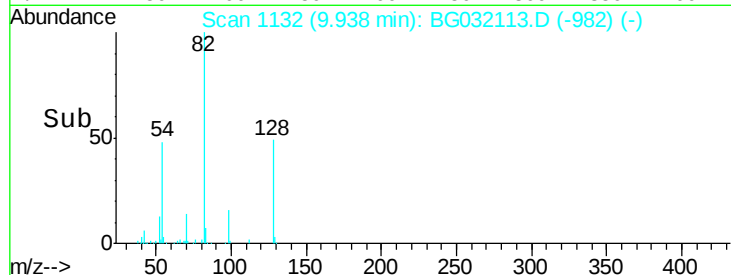
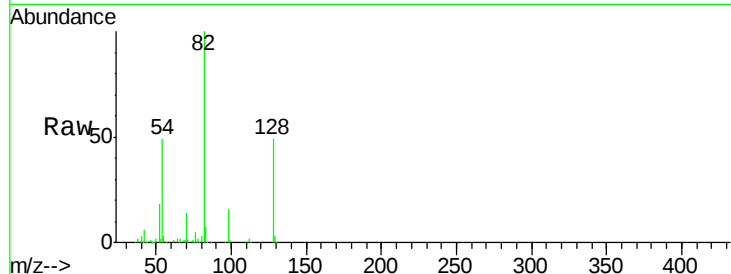
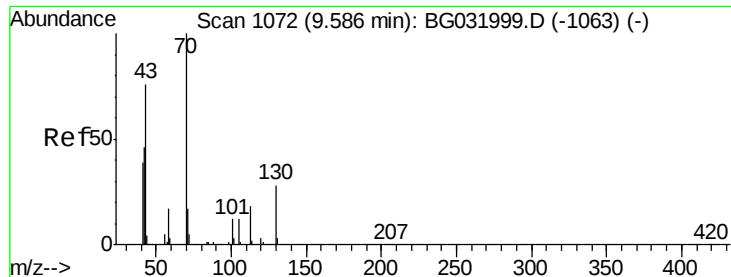
65 34.7 11.9 51.9

66 46.5 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

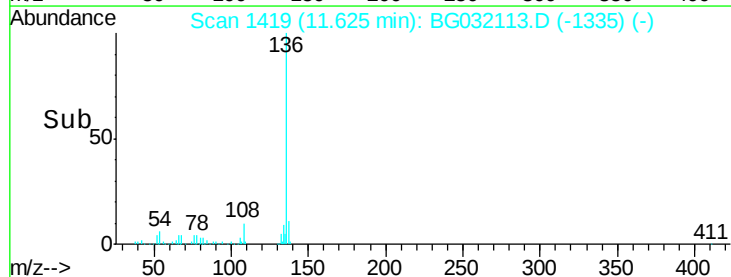
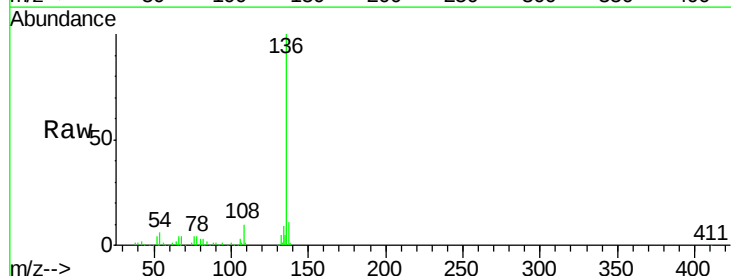
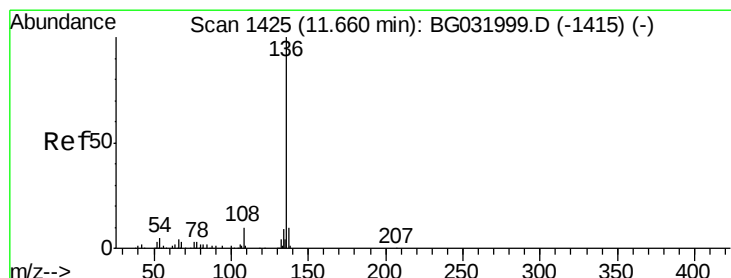
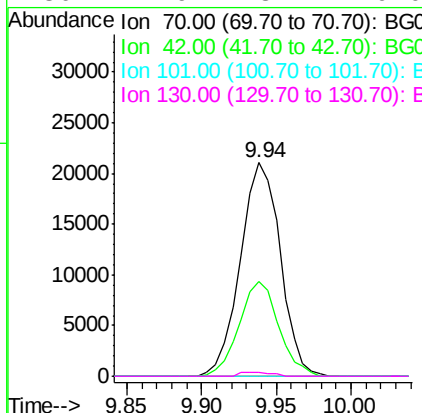




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.779 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. 0.35 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

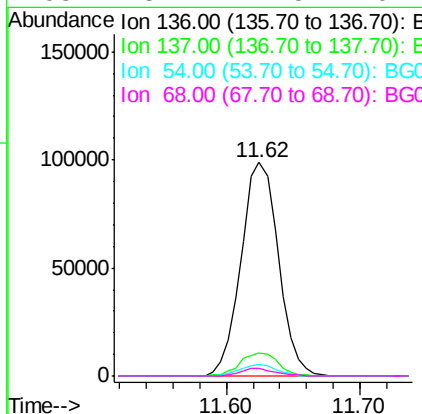
Instrument :  
BNA\_G  
ClientSampleId :

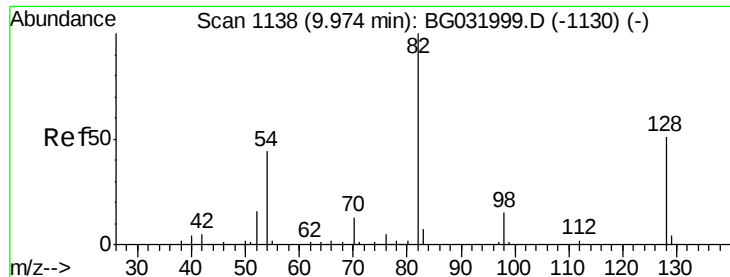
Tot Ion: 70 Resp: 38948  
Ion Ratio Lower Upper  
70 100  
42 44.3 49.1 73.7#  
101 0.0 8.5 12.7#  
130 1.9 13.4 20.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.62 min Scan# 1419  
Delta R.T. -0.04 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Tgt Ion: 136 Resp: 191413  
Ion Ratio Lower Upper  
136 100  
137 10.9 9.2 13.8  
54 5.6 10.3 15.5#  
68 3.7 4.5 6.7#

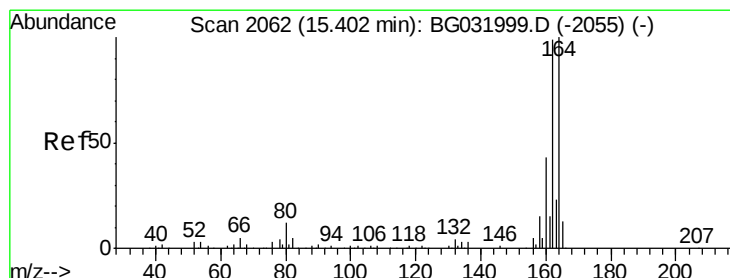
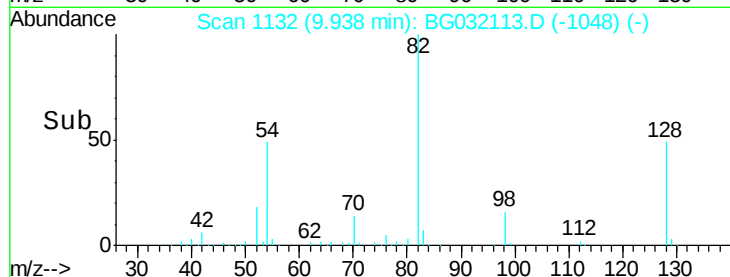
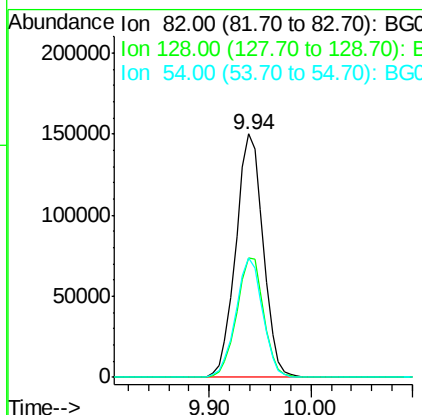
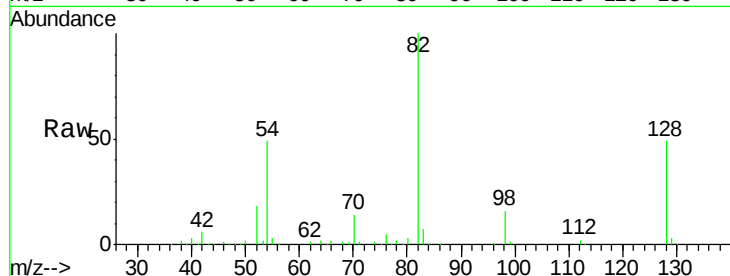




#23  
Nitrobenzene-d5  
Concen: 99.316 ng  
RT: 9.94 min Scan# 1132  
Delta R.T. -0.04 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

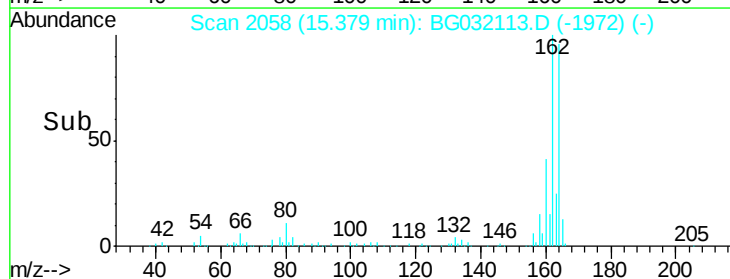
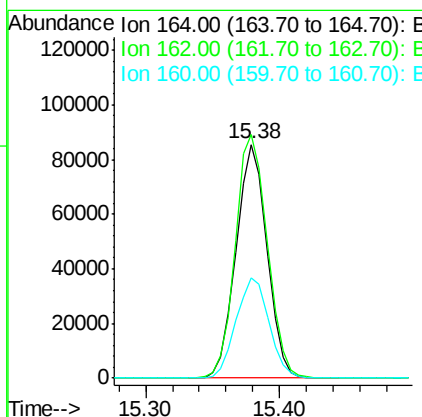
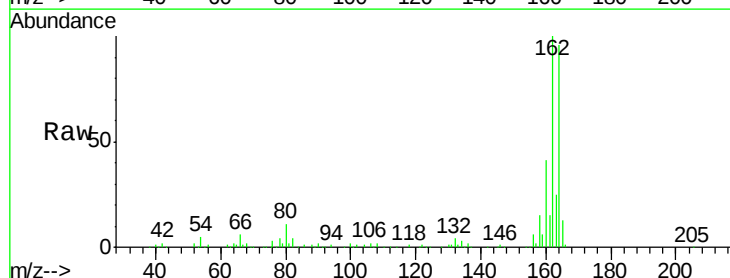
Instrument :  
BNA\_G  
ClientSampleId :

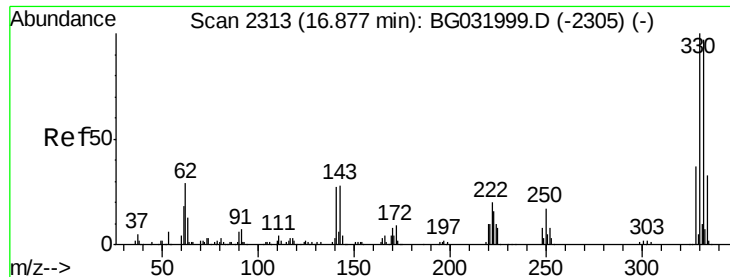
Tot Ion: 82 Resp: 280993  
Ion Ratio Lower Upper  
82 100  
128 49.2 29.7 44.5#  
54 48.9 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.38 min Scan# 2058  
Delta R.T. -0.02 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Tgt Ion:164 Resp: 136889  
Ion Ratio Lower Upper  
164 100  
162 104.2 78.8 118.2  
160 43.1 35.4 53.0

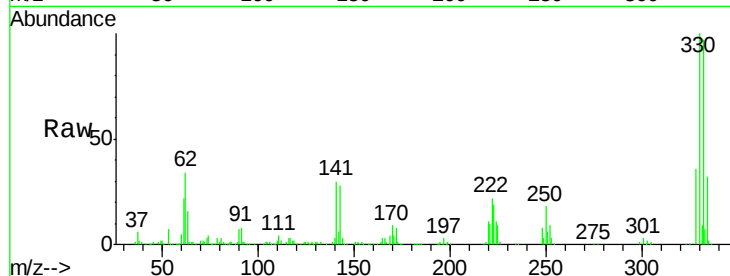




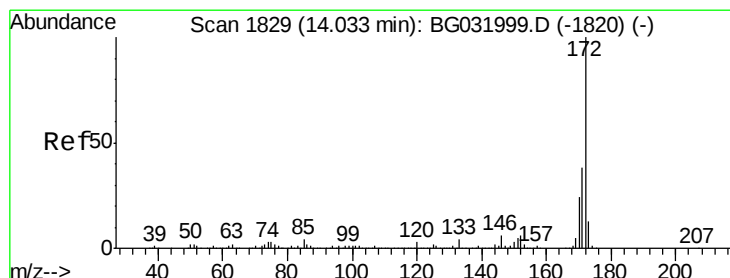
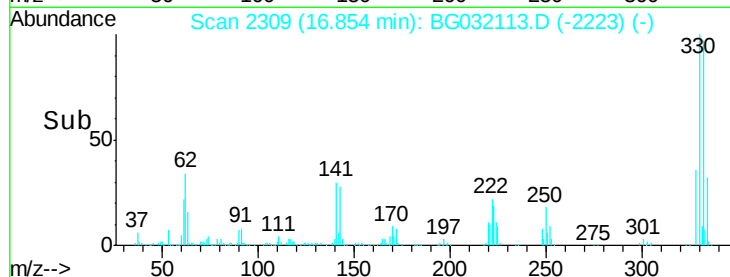
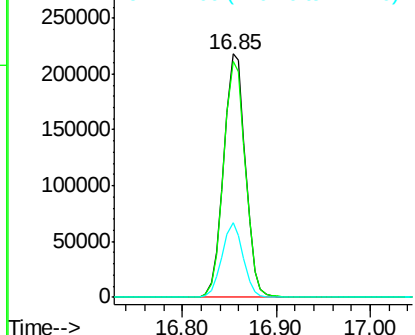
#41  
 2,4,6-Tribromophenol  
 Concen: 155.088 ng  
 RT: 16.85 min Scan# 2309  
 Delta R.T. -0.02 min  
 Lab File: BG032113.D  
 Acq: 17 Jan 2018 22:58

Instrument :  
 BNA\_G  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 29.9  | 25.2  | 37.8  |

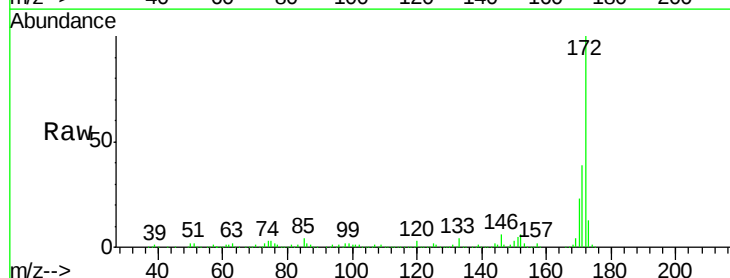


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

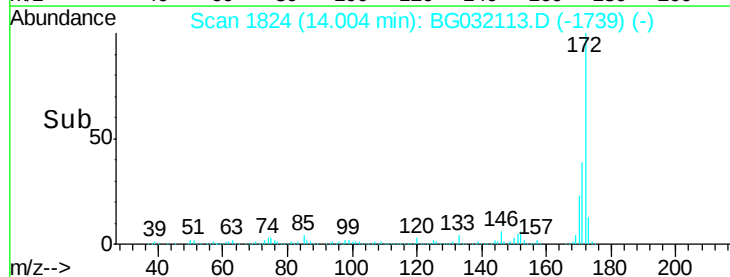
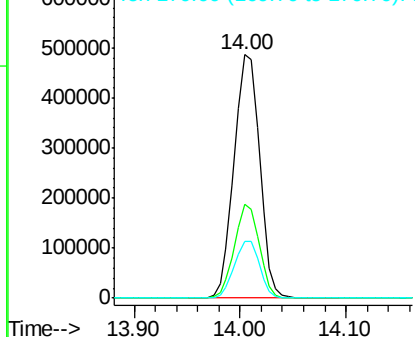


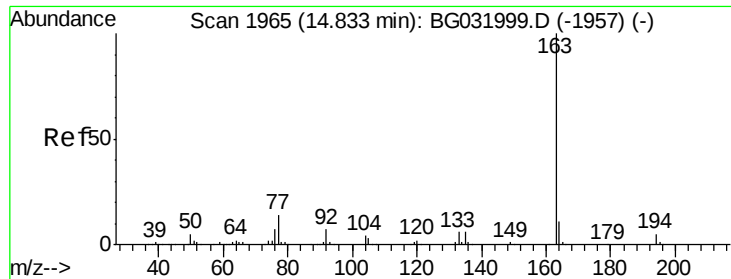
#44  
 2-Fluorobiphenyl  
 Concen: 73.709 ng  
 RT: 14.00 min Scan# 1824  
 Delta R.T. -0.03 min  
 Lab File: BG032113.D  
 Acq: 17 Jan 2018 22:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 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

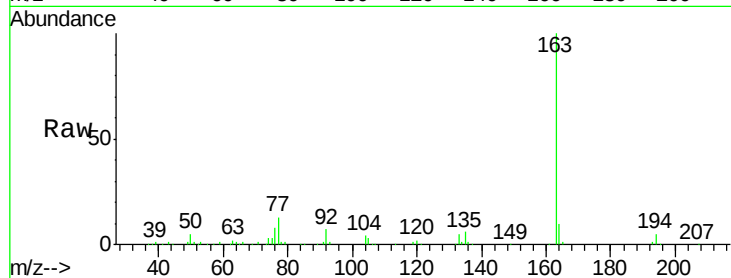




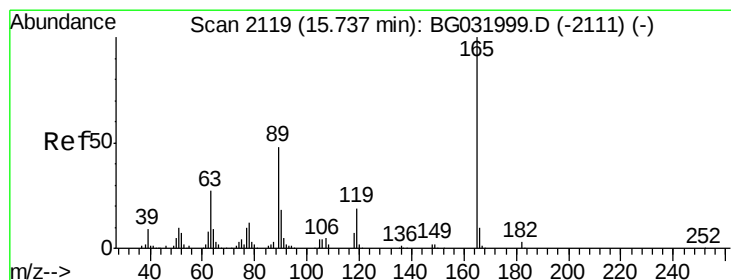
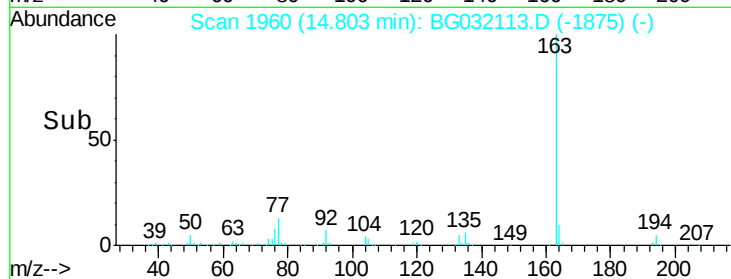
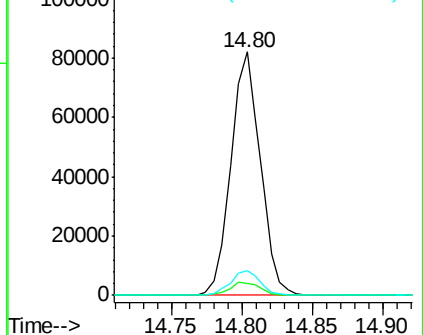
#49  
Dimethylphthalate  
Concen: 9.953 ng  
RT: 14.80 min Scan# 1960  
Delta R.T. -0.03 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 119225  
Ion Ratio Lower Upper  
163 100  
194 4.7 3.4 5.2  
164 10.0 8.2 12.4

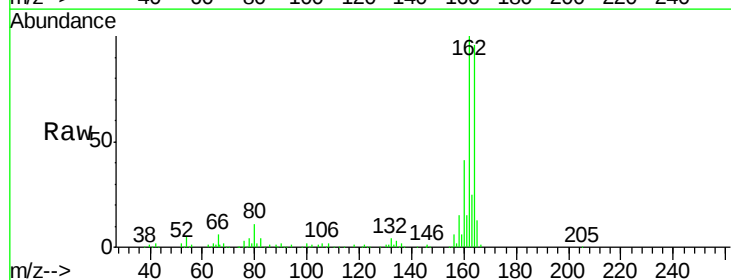


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

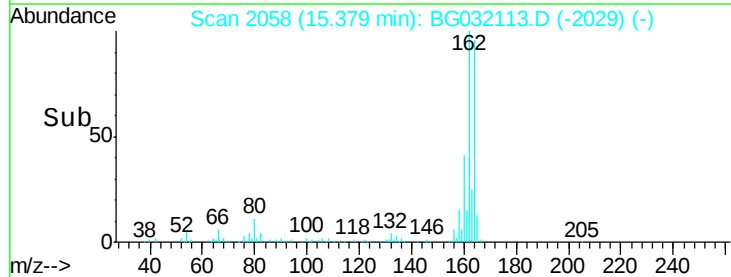
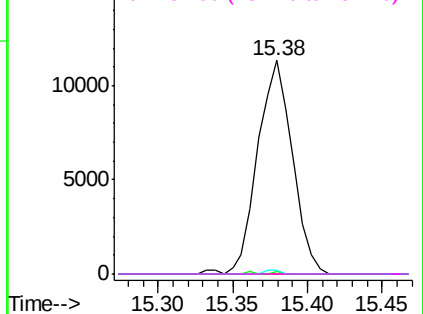


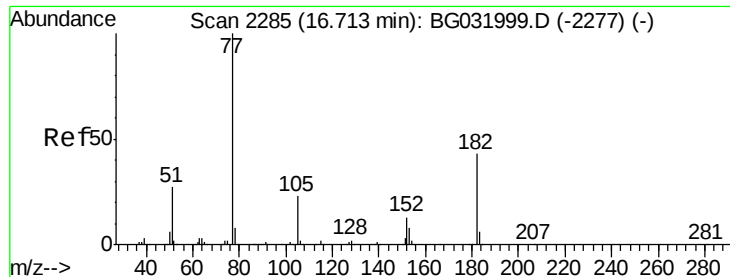
#56  
2,4-Dinitrotoluene  
Concen: 5.440 ng  
RT: 15.38 min Scan# 2058  
Delta R.T. -0.36 min  
Lab File: BG032113.D  
Acq: 17 Jan 2018 22:58

Tgt Ion:165 Resp: 18209  
Ion Ratio Lower Upper  
165 100  
63 1.4 42.0 63.0#  
89 1.7 66.9 100.3#  
182 0.0 2.6 3.8#



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  
Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 8.880 ng

RT: 16.71 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

Instrument :

BNA\_G

ClientSampled :

Tot Ion: 77 Resp: 64547

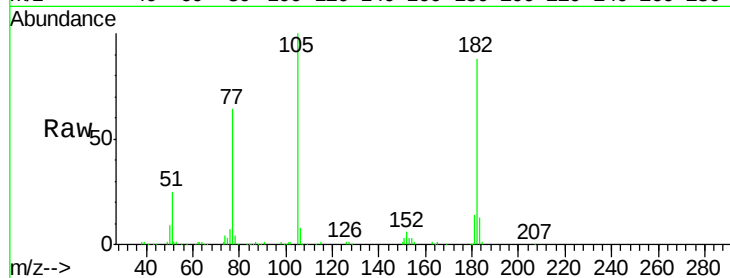
Ion Ratio Lower Upper

77 100

182 137.1 7.4 47.4#

105 156.0 0.3 40.3#

51 39.2 11.6 51.6

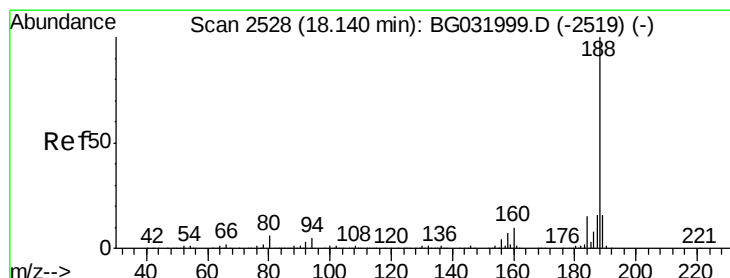
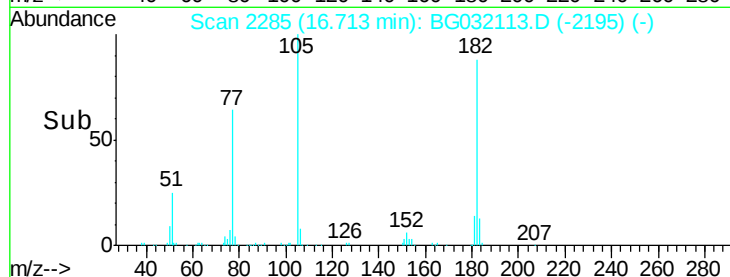
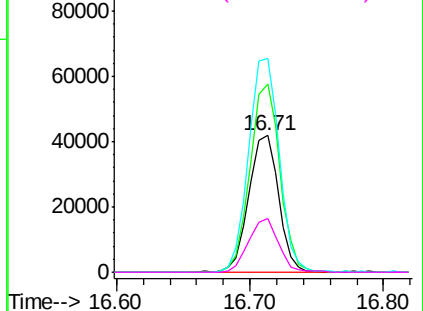


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. -0.03 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

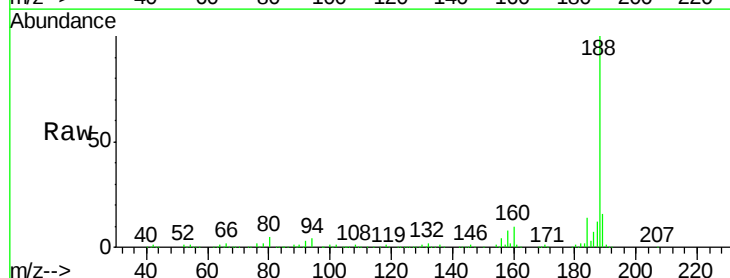
Tgt Ion: 188 Resp: 375123

Ion Ratio Lower Upper

188 100

94 4.4 6.9 10.3#

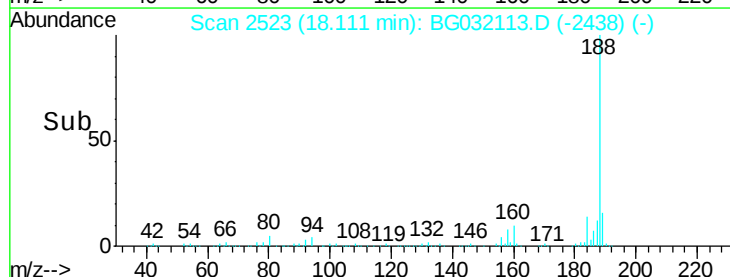
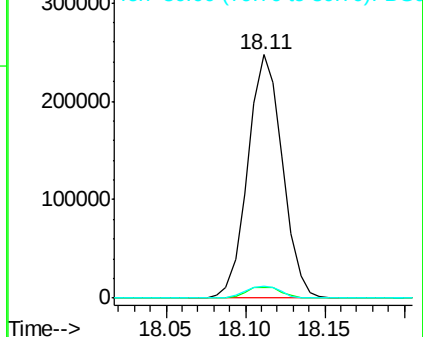
80 5.1 7.7 11.5#

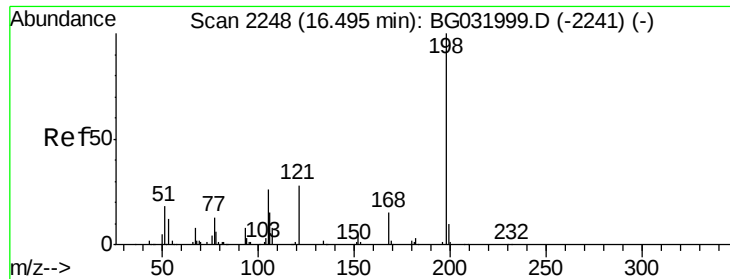


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 5.267 ng

RT: 16.85 min Scan# 2308

Delta R.T. 0.35 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

Instrument :

BNA\_G

ClientSampleId :

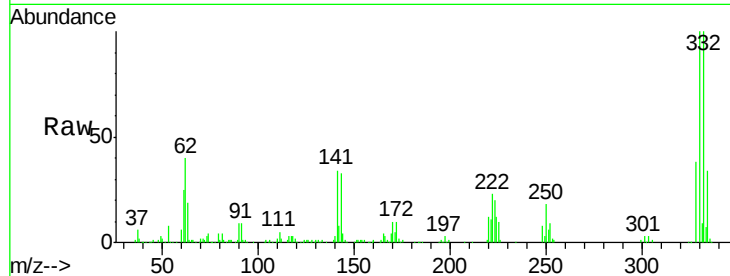
Tot Ion:198 Resp: 1023

Ion Ratio Lower Upper

198 100

51 121.9 30.6 70.6#

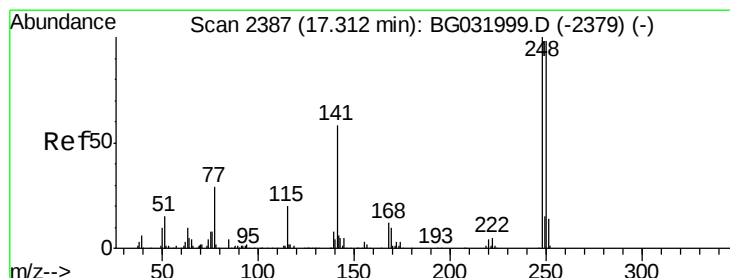
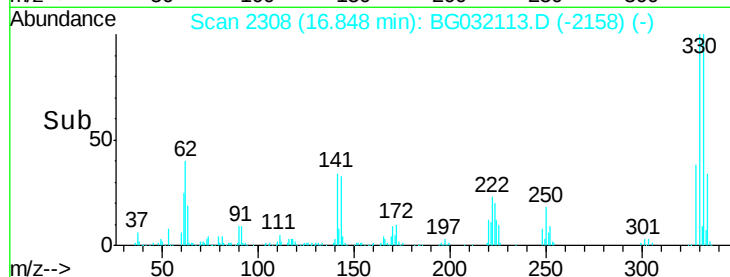
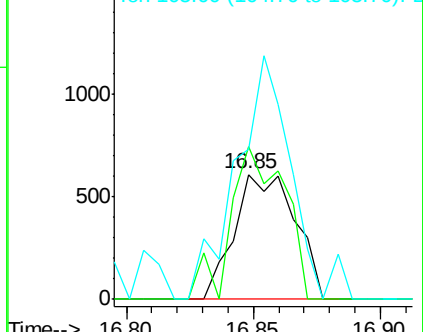
105 120.5 23.8 63.8#



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: 5.390 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.46 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

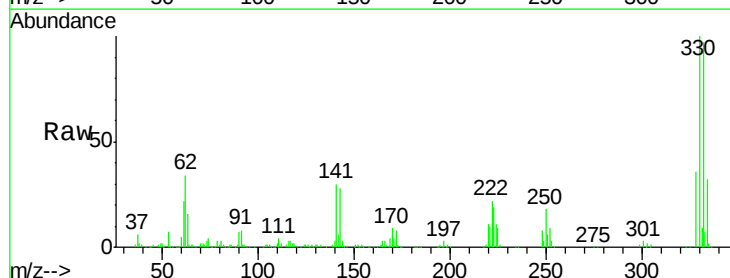
Tgt Ion:248 Resp: 28769

Ion Ratio Lower Upper

248 100

250 209.9 77.1 115.7#

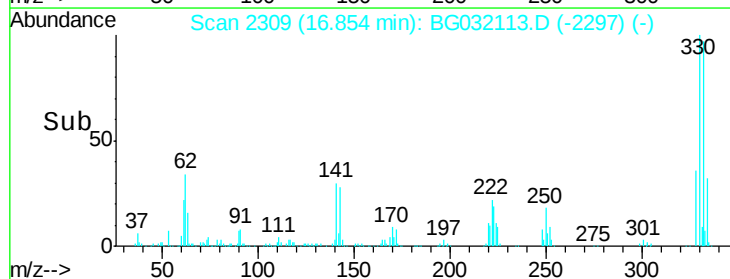
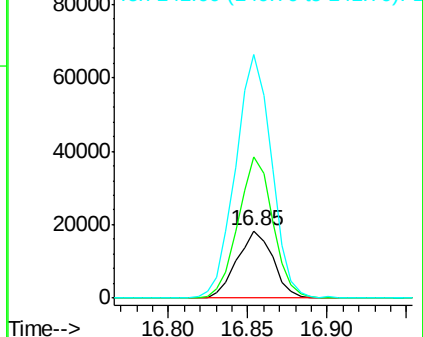
141 360.4 50.8 76.2#

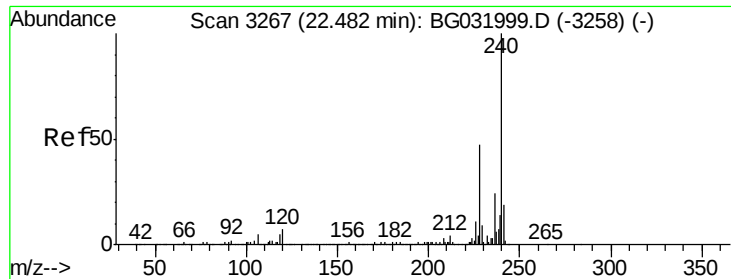


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.04 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

Instrument :

BNA\_G

ClientSampleId :

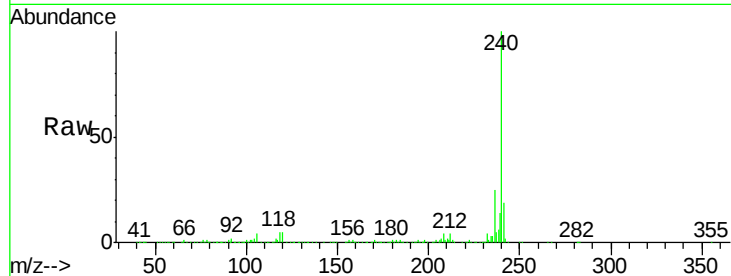
Tot Ion:240 Resp: 475973

Ion Ratio Lower Upper

240 100

120 5.0 6.8 10.2#

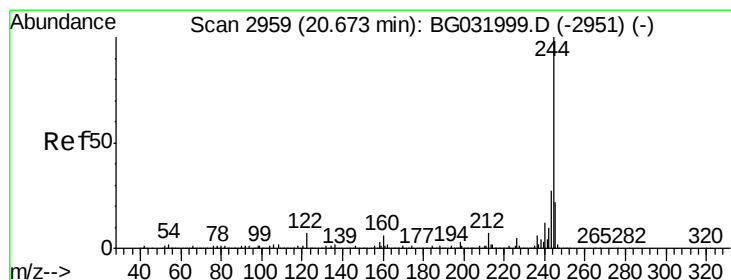
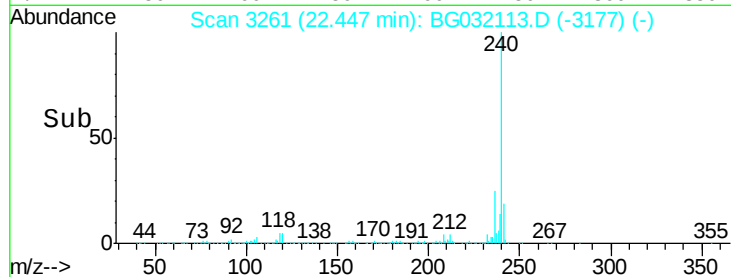
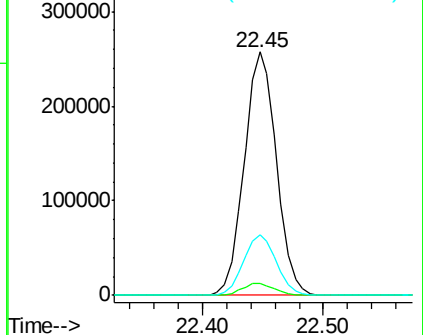
236 25.1 20.9 31.3



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: 72.696 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

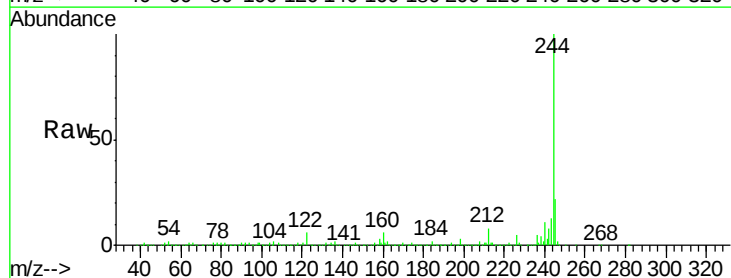
Tgt Ion:244 Resp: 1567063

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

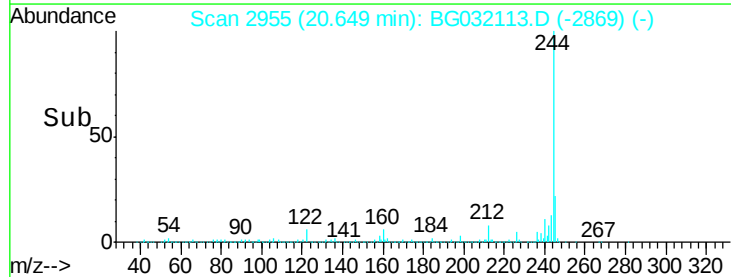
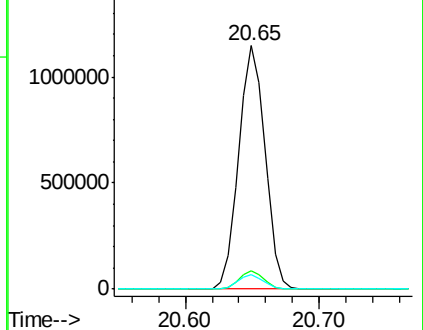
122 6.2 7.0 10.4#

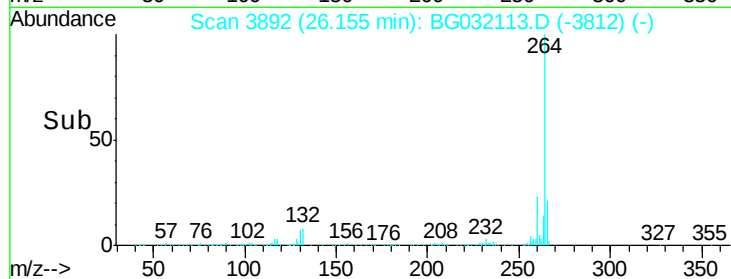
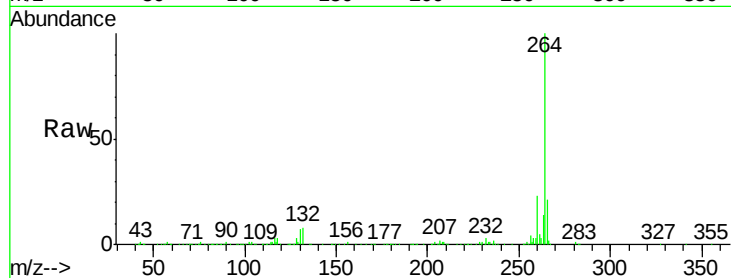
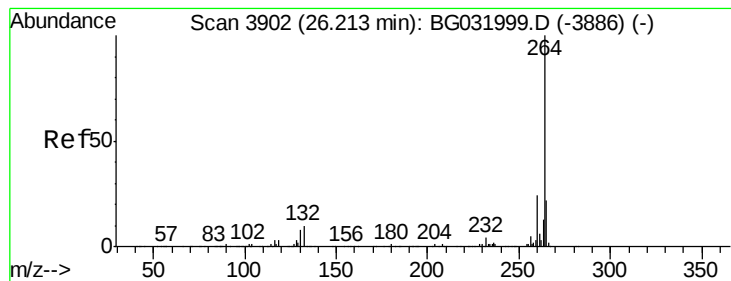


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.15 min Scan# 3892

Delta R.T. -0.06 min

Lab File: BG032113.D

Acq: 17 Jan 2018 22:58

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:264 Resp: 507743

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.2 17.7 26.5

