

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092818\  
 Data File : BG037065.D  
 Acq On : 29 Sep 2018 00:54  
 Operator : JU/SJ  
 Sample : PB113331BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113331BS

Quant Time: Sep 29 06:42:41 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

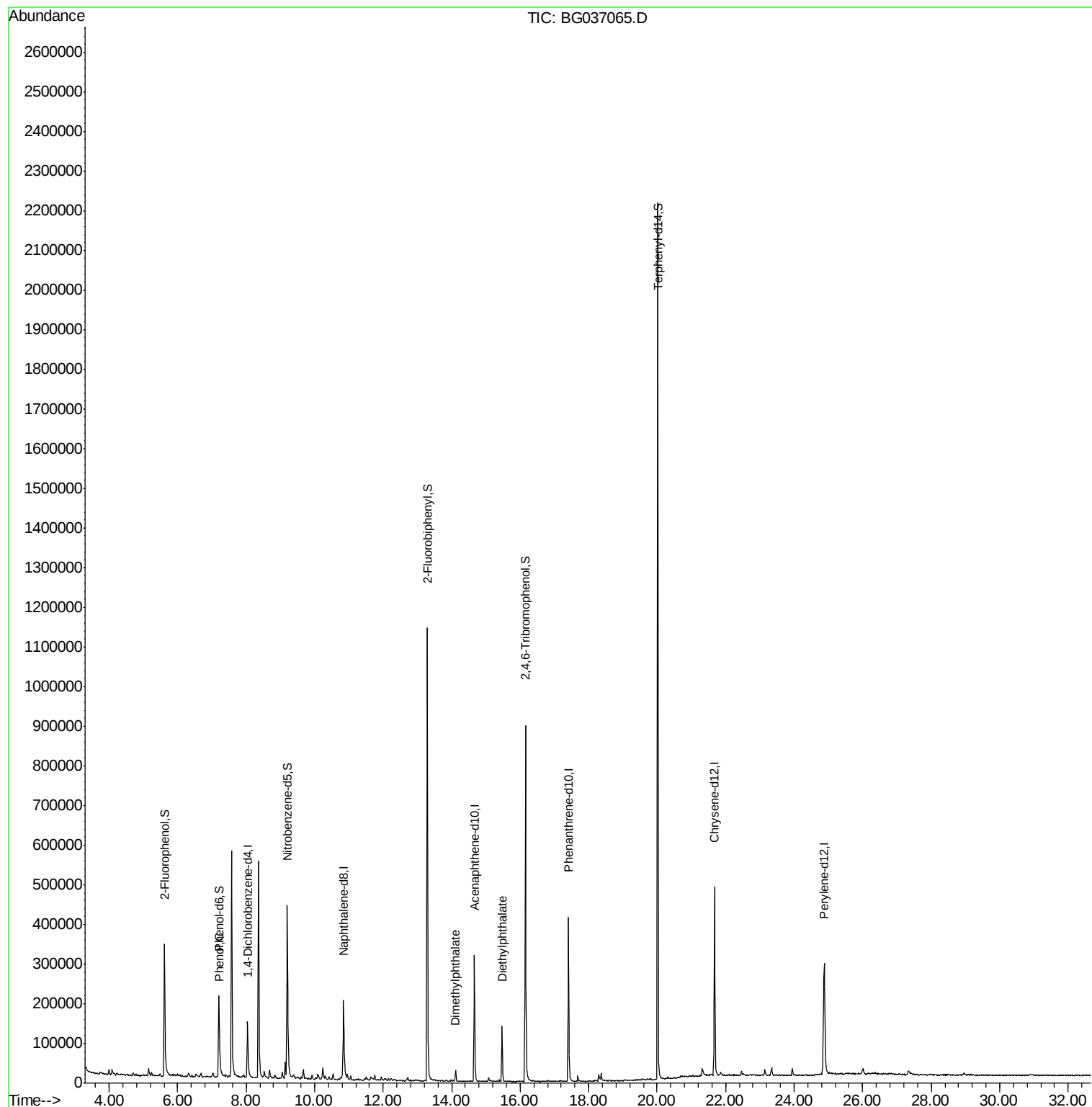
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 46741    | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.84 | 136  | 190599   | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10        | 14.67 | 164  | 115185   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.41 | 188  | 288584   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 21.67 | 240  | 304293   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12            | 24.88 | 264  | 306362   | 20.00  | ng    | -0.03       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.62  | 112  | 171769   | 70.48  | ng    | 0.00        |
| 7) Phenol-d6                | 7.20  | 99   | 149729   | 39.71  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 318650   | 89.53  | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 170410   | 123.65 | ng    | -0.02       |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 642006   | 83.01  | ng    | -0.02       |
| 78) Terphenyl-d14           | 20.02 | 244  | 1066936  | 92.20  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 7.22  | 94   | 10787    | 2.772  | ng    | Qvalue # 64 |
| 49) Dimethylphthalate       | 14.12 | 163  | 22448    | 2.421  | ng    | 99          |
| 59) Diethylphthalate        | 15.47 | 149  | 85942    | 9.190  | ng    | 95          |

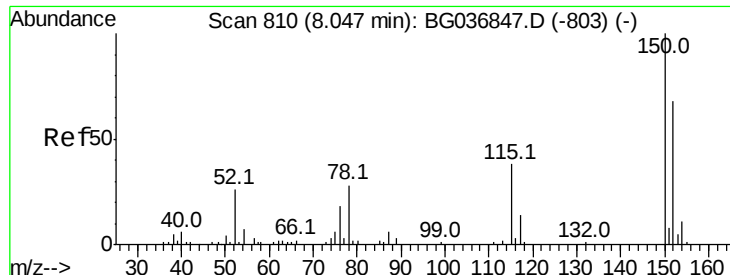
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092818\  
Data File : BG037065.D  
Acq On : 29 Sep 2018 00:54  
Operator : JU/SJ  
Sample : PB113331BS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB113331BS

Quant Time: Sep 29 06:42:41 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 24 10:41:23 2018  
Response via : Initial Calibration



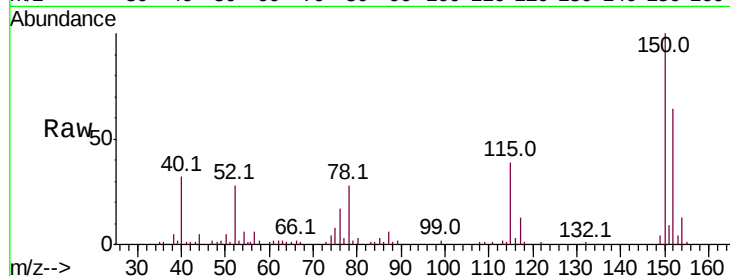


#1

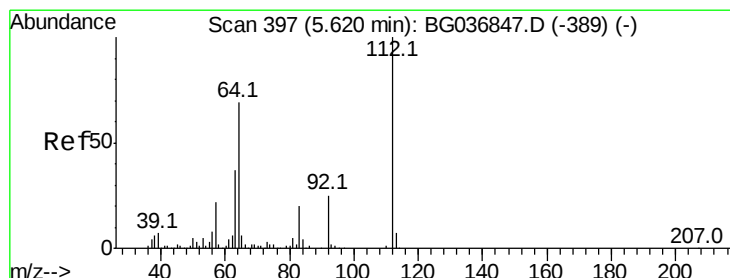
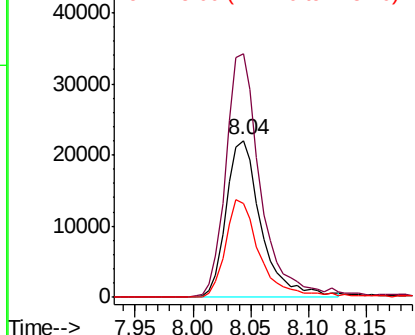
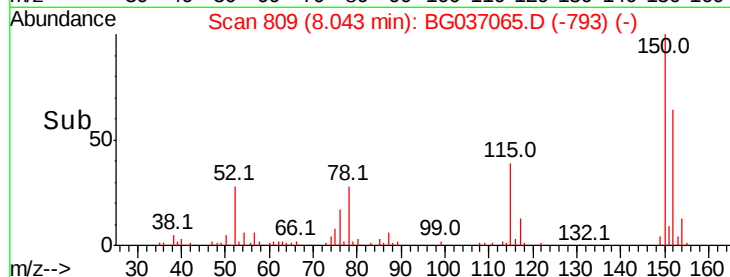
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.04 min Scan# 809  
 Delta R.T. -0.00 min  
 Lab File: BG037065.D  
 Acq: 29 Sep 2018 00:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113331BS

Tot Ion:152 Resp: 46741  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 119.5 179.3  
 115 60.1 44.5 66.7



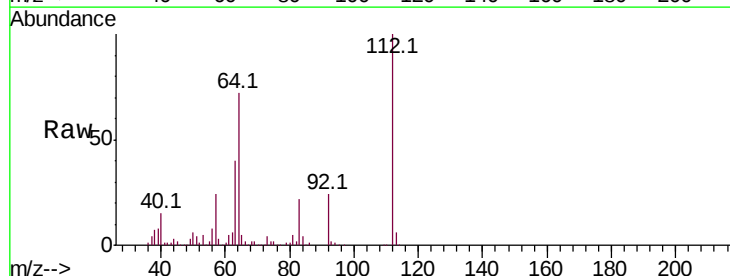
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



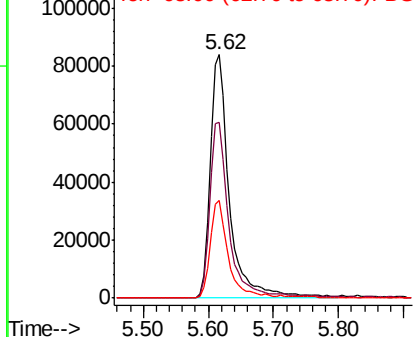
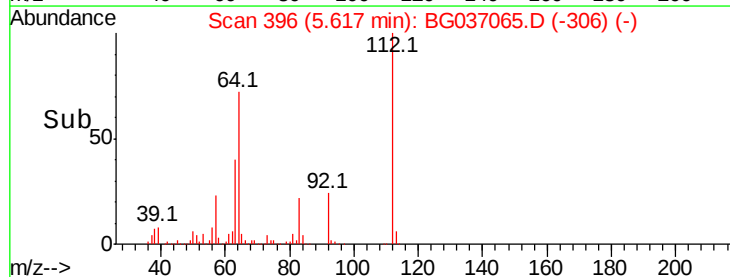
#5

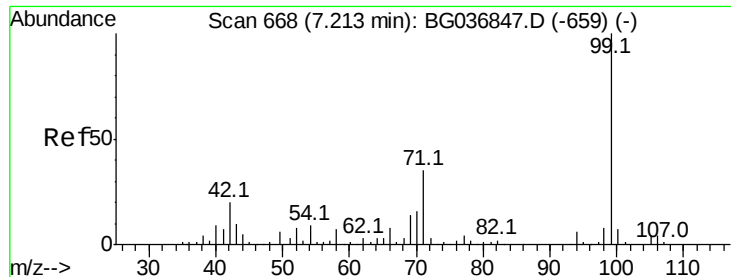
2-Fluorophenol  
 Concen: 70.477 ng  
 RT: 5.62 min Scan# 396  
 Delta R.T. -0.00 min  
 Lab File: BG037065.D  
 Acq: 29 Sep 2018 00:54

Tgt Ion:112 Resp: 171769  
 Ion Ratio Lower Upper  
 112 100  
 64 72.1 57.2 85.8  
 63 40.2 30.8 46.2



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: 39.707 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113331BS

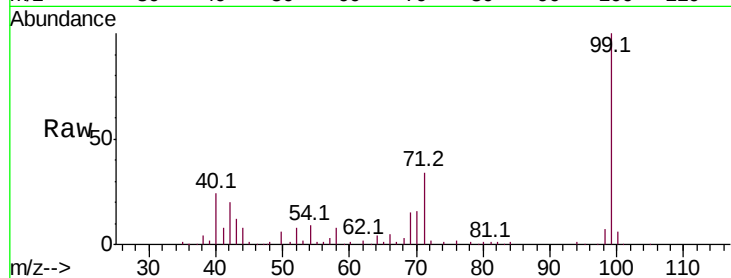
Tot Ion: 99 Resp: 149729

Ion Ratio Lower Upper

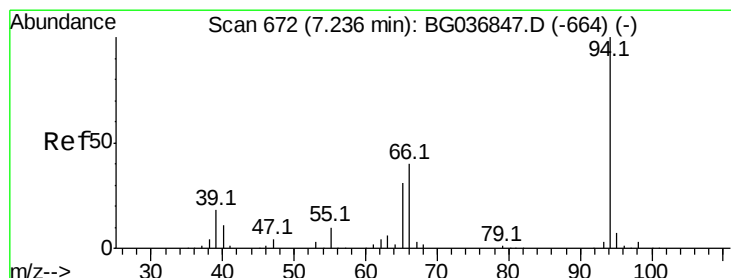
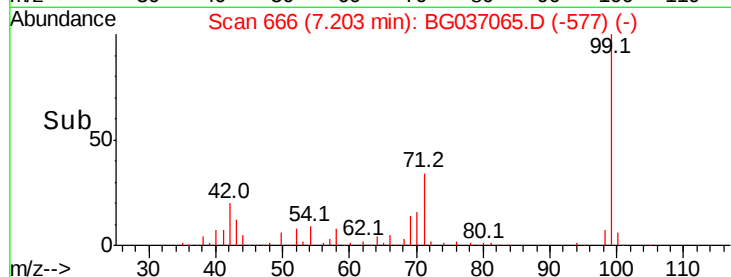
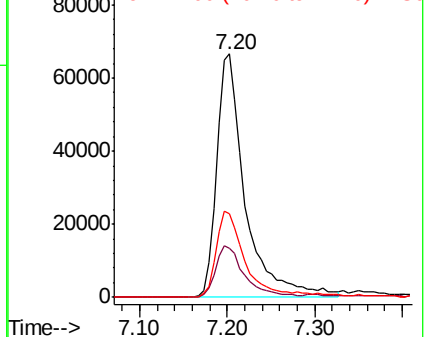
99 100

42 20.3 16.5 24.7

71 34.1 29.4 44.2



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: 2.772 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.02 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

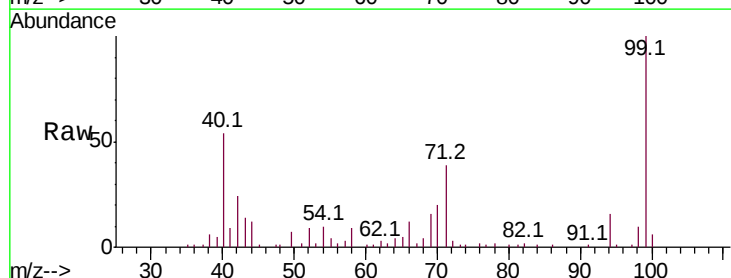
Tgt Ion: 94 Resp: 10787

Ion Ratio Lower Upper

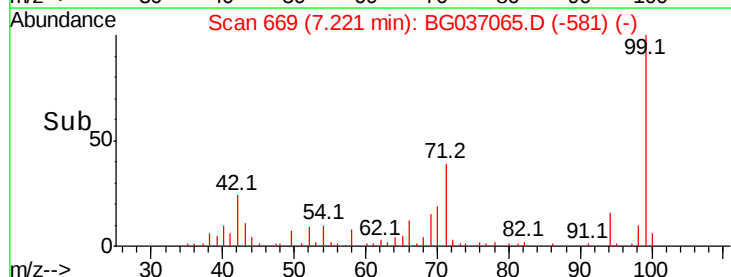
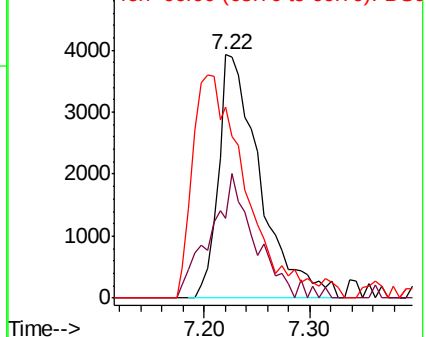
94 100

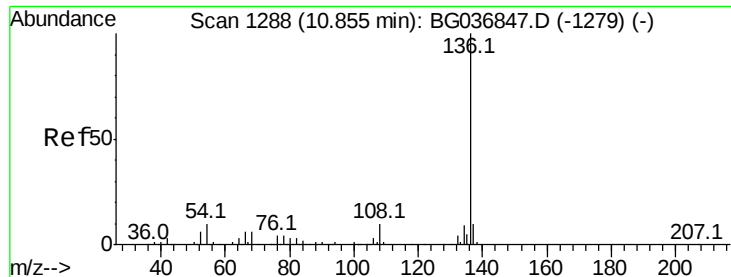
65 32.6 11.5 51.5

66 78.3 19.5 59.5#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113331BS

Tot Ion:136 Resp: 190599

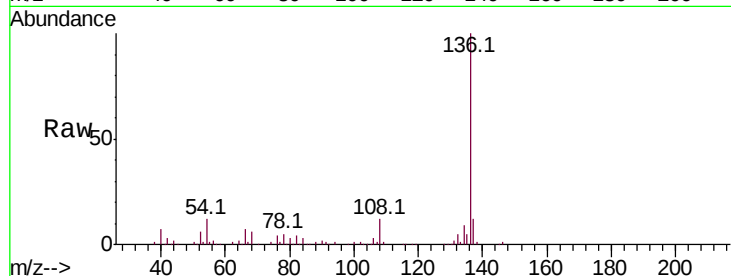
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 11.9 9.2 13.8

68 6.3 5.8 8.6

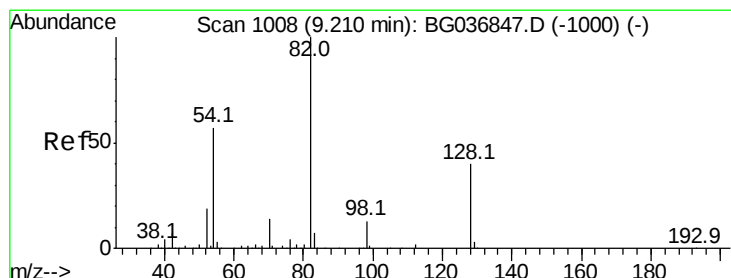
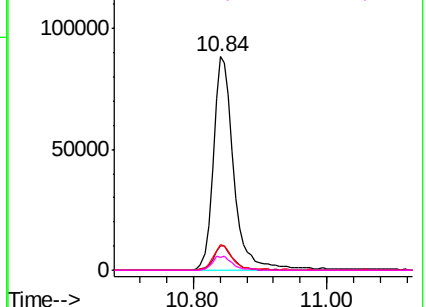
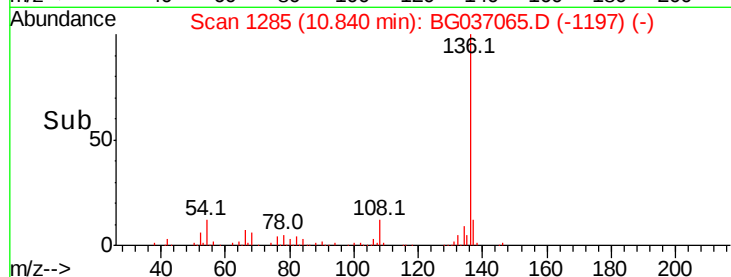


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.528 ng

RT: 9.20 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

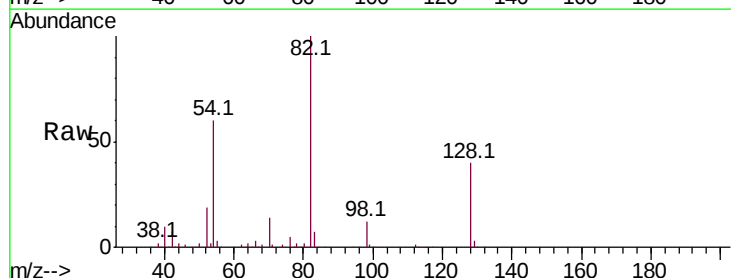
Tgt Ion: 82 Resp: 318650

Ion Ratio Lower Upper

82 100

128 39.9 33.3 49.9

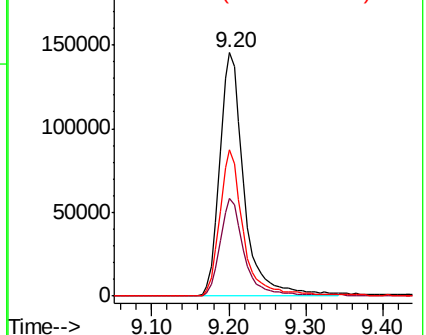
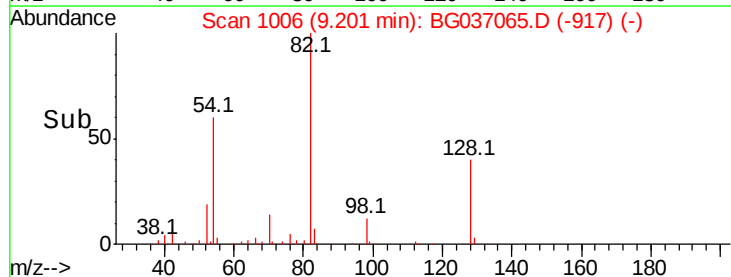
54 60.0 45.1 67.7

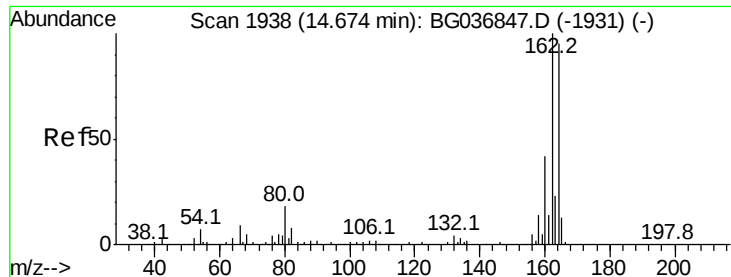


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1936

Delta R.T. -0.01 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113331BS

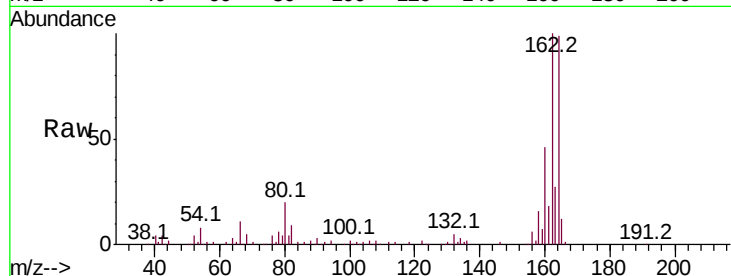
Tot Ion:164 Resp: 115185

Ion Ratio Lower Upper

164 100

162 100.7 80.7 121.1

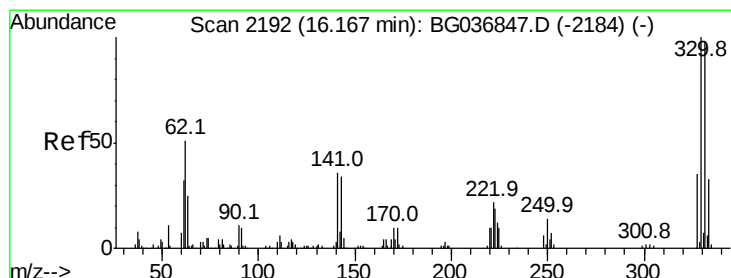
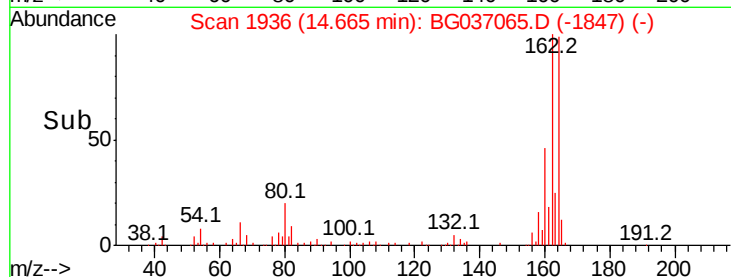
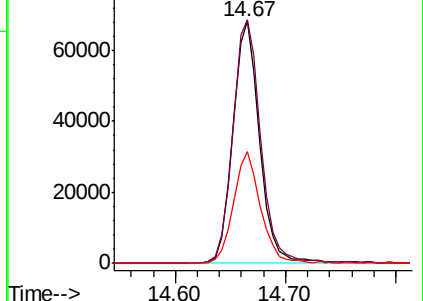
160 46.1 35.3 52.9



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: 123.654 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

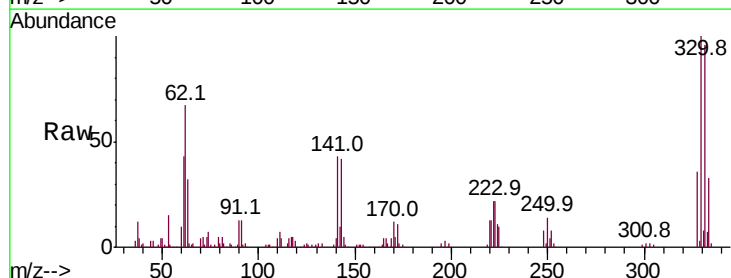
Tgt Ion:330 Resp: 170410

Ion Ratio Lower Upper

330 100

332 94.3 75.4 113.2

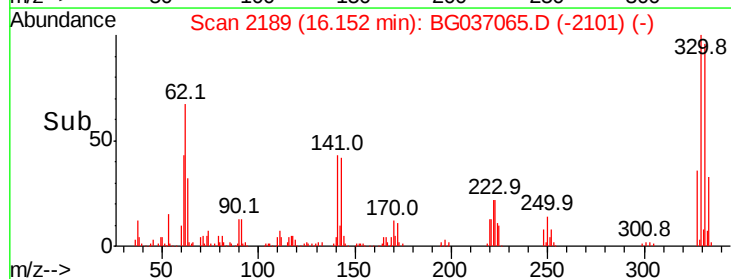
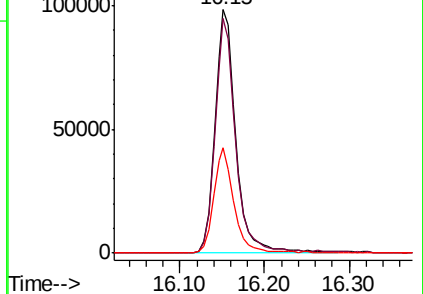
141 41.9 30.7 46.1

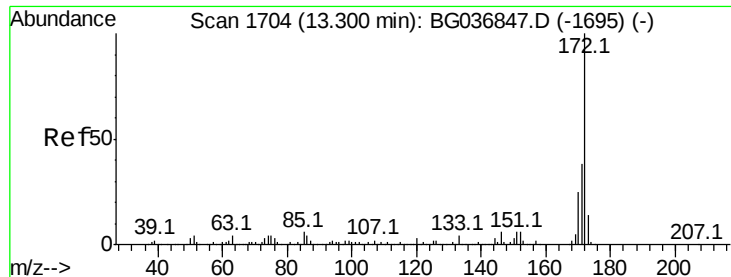


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

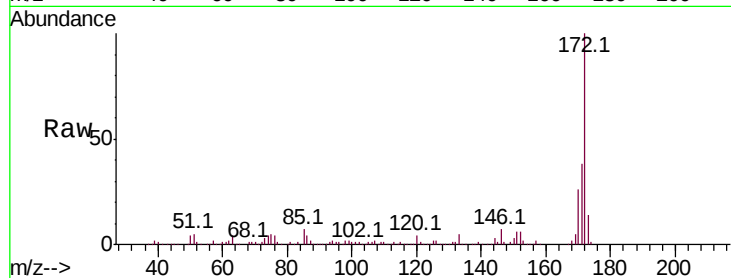




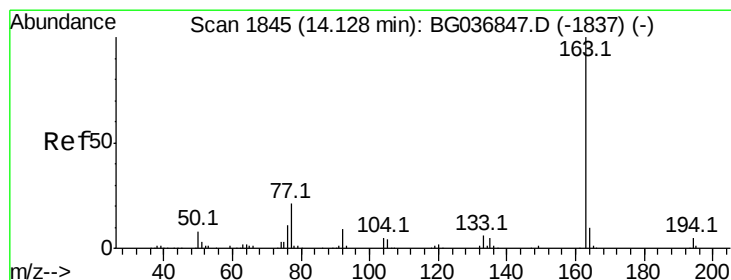
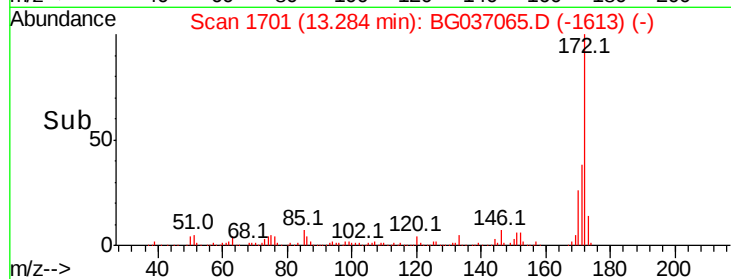
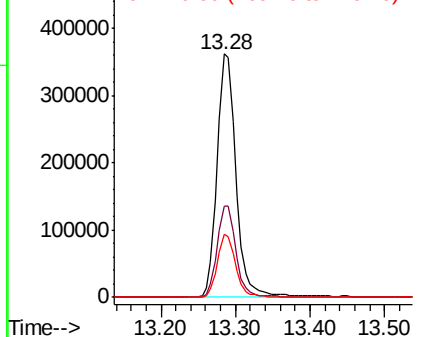
#44  
2-Fluorobiphenyl  
Concen: 83.014 ng  
RT: 13.28 min Scan# 1701  
Delta R.T. -0.02 min  
Lab File: BG037065.D  
Acq: 29 Sep 2018 00:54

Instrument :  
BNA\_G  
ClientSampleId :  
PB113331BS

Tot Ion:172 Resp: 642006  
Ion Ratio Lower Upper  
172 100  
171 37.6 31.3 46.9  
170 25.9 21.0 31.6

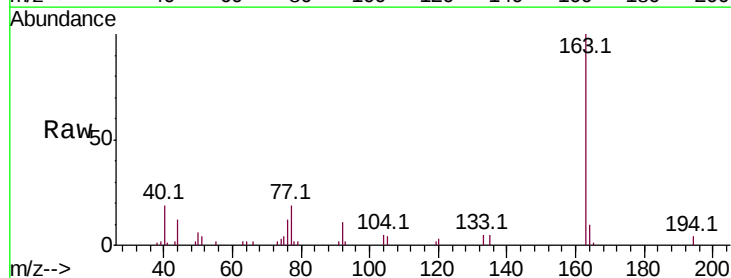


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

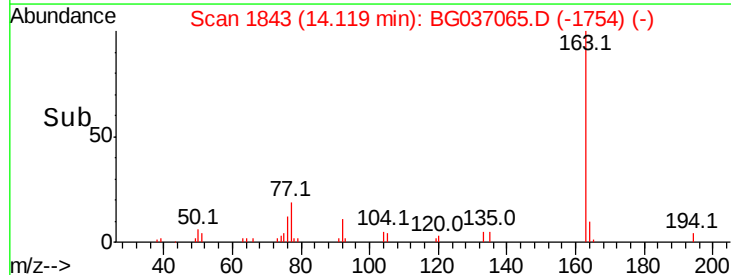
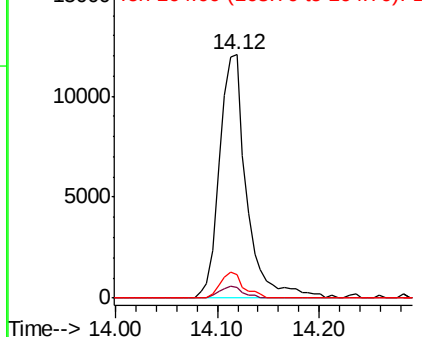


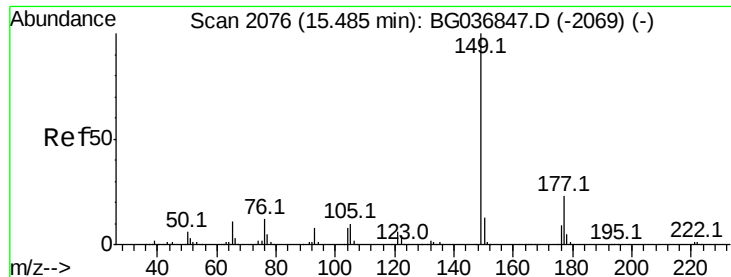
#49  
Dimethylphthalate  
Concen: 2.421 ng  
RT: 14.12 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BG037065.D  
Acq: 29 Sep 2018 00:54

Tgt Ion:163 Resp: 22448  
Ion Ratio Lower Upper  
163 100  
194 4.4 4.0 6.0  
164 9.6 8.1 12.1



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

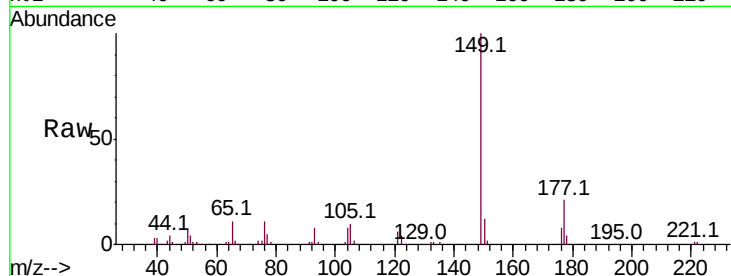




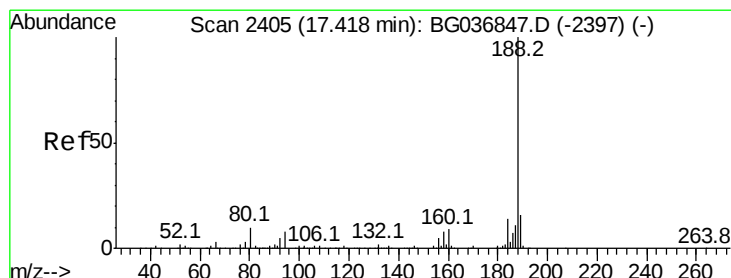
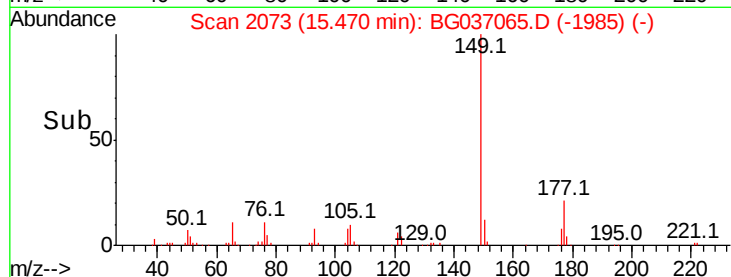
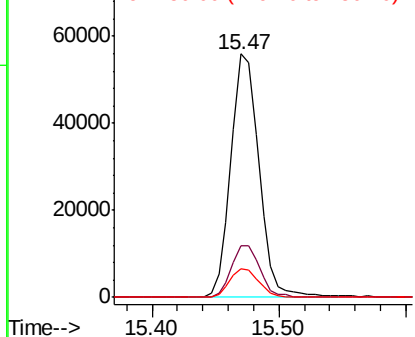
#59  
Diethylphthalate  
Concen: 9.190 ng  
RT: 15.47 min Scan# 2073  
Delta R.T. -0.02 min  
Lab File: BG037065.D  
Acq: 29 Sep 2018 00:54

Instrument :  
BNA\_G  
ClientSampleId :  
PB113331BS

Tot Ion:149 Resp: 85942  
Ion Ratio Lower Upper  
149 100  
177 21.3 19.1 28.7  
150 11.9 10.7 16.1

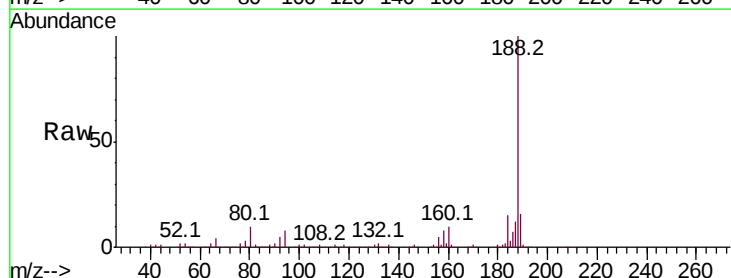


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

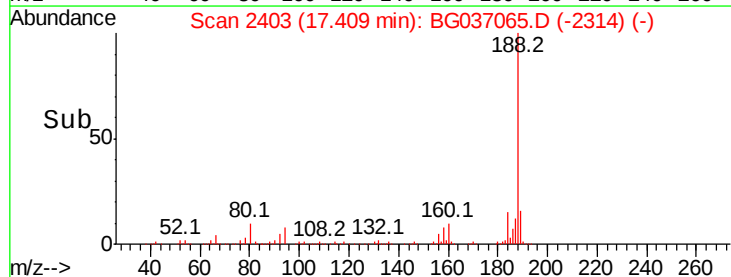
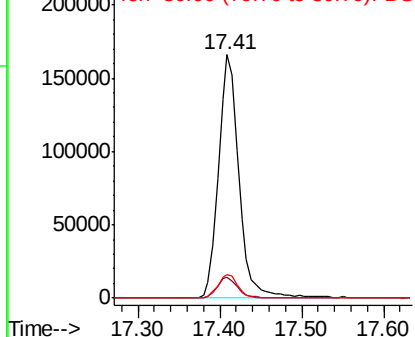


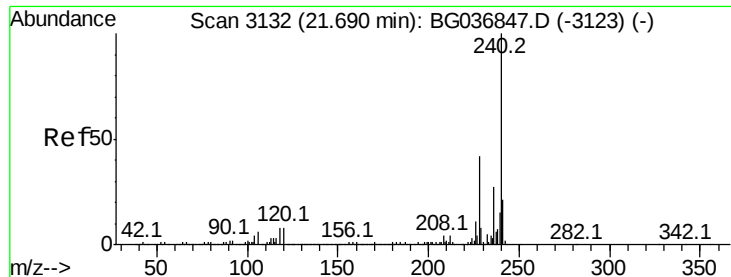
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BG037065.D  
Acq: 29 Sep 2018 00:54

Tgt Ion:188 Resp: 288584  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.7 10.1  
80 9.8 8.1 12.1



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





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113331BS

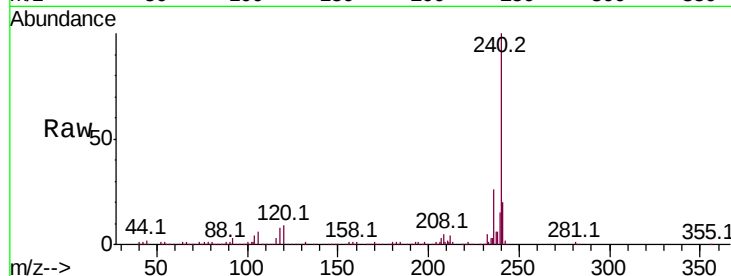
Tot Ion:240 Resp: 304293

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

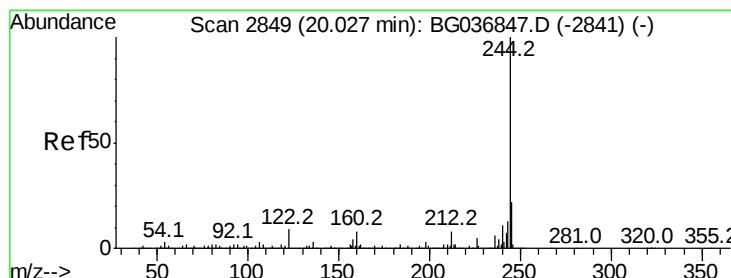
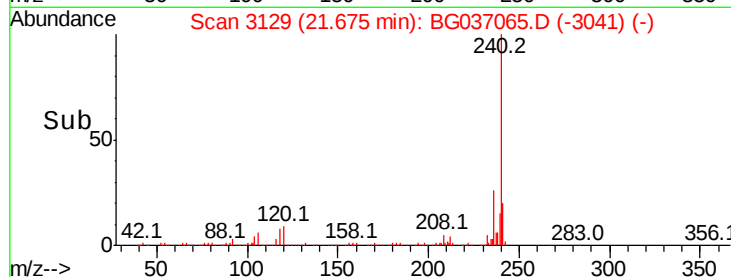
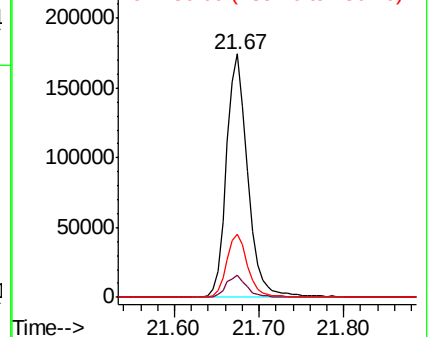
236 25.9 21.2 31.8



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: 92.197 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037065.D

Acq: 29 Sep 2018 00:54

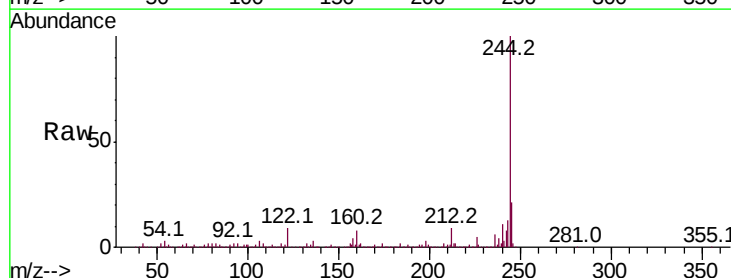
Tgt Ion:244 Resp: 1066936

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

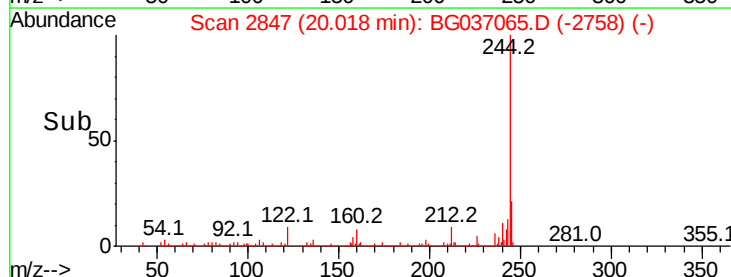
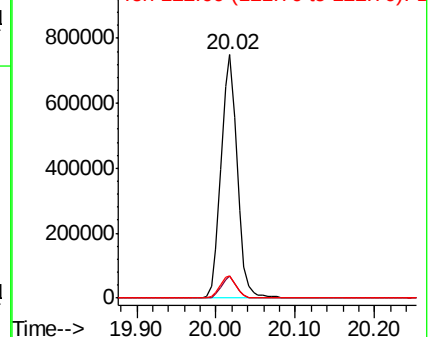
122 9.2 7.1 10.7

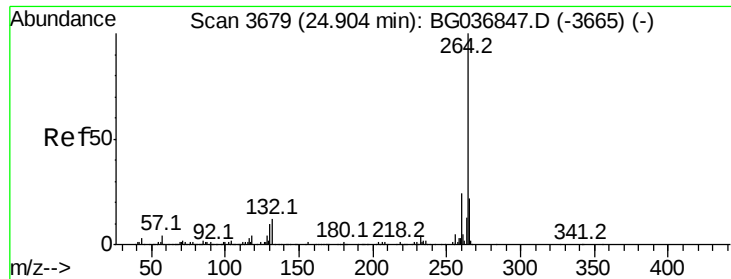


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

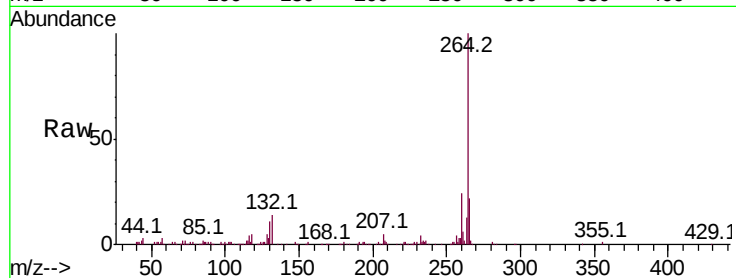




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.88 min Scan# 3674  
 Delta R.T. -0.03 min  
 Lab File: BG037065.D  
 Acq: 29 Sep 2018 00:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113331BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 306362 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.1  | 19.6  | 29.4   |
| 265      | 21.6  | 17.4  | 26.0   |



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

