

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG010917\  
 Data File : BG025437.D  
 Acq On : 9 Jan 2017 19:33  
 Operator : UM/SJ  
 Sample : PB95829TB  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95829TB

Quant Time: Jan 10 00:03:29 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 18:42:01 2016  
 Response via : Initial Calibration

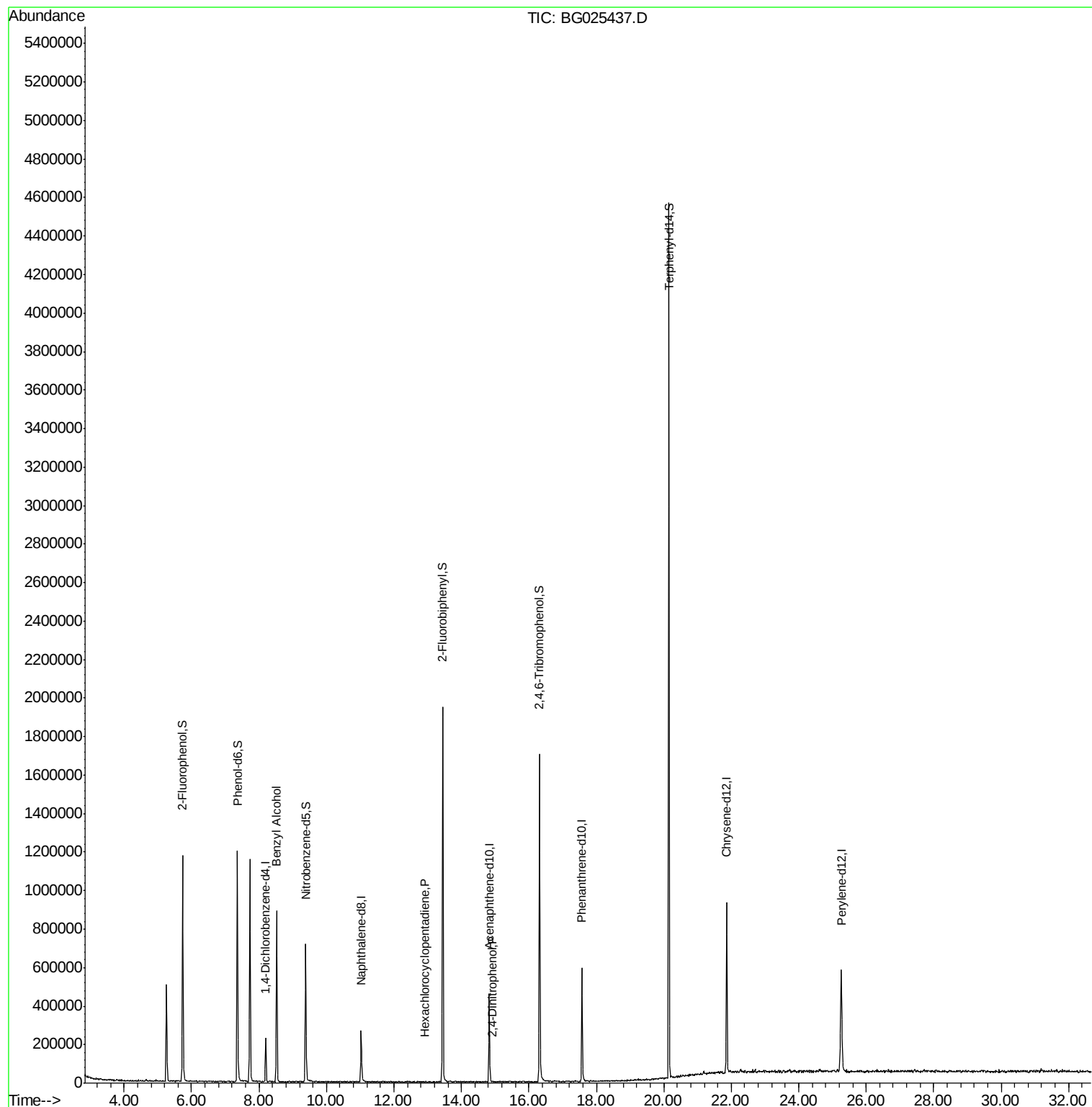
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 56578    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.03 | 136  | 229768   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.83 | 164  | 178466   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10          | 17.58 | 188  | 405533   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.86 | 240  | 622241   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.26 | 264  | 661914   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 464440   | 149.21 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.36  | 99   | 633002   | 144.40 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 458158   | 88.09  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 367479   | 127.90 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1038226  | 94.18  | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.15 | 244  | 1988855  | 84.75  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.53  | 79   | 9270     | 2.22   | ng    | # 57     |
| 40) Hexachlorocyclopentadiene | 12.92 | 237  | 129      | 8.56   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 14.92 | 184  | 138      | 5.15   | ng    | # 15     |

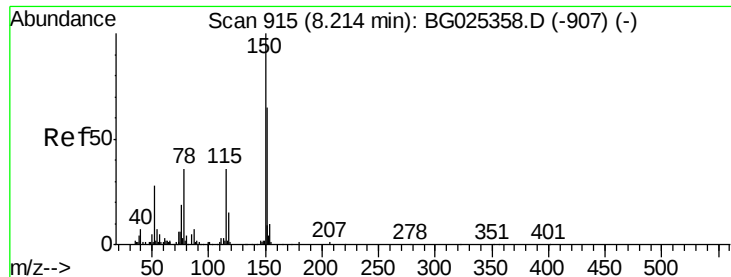
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 18:42:01 2016  
Response via : Initial Calibration



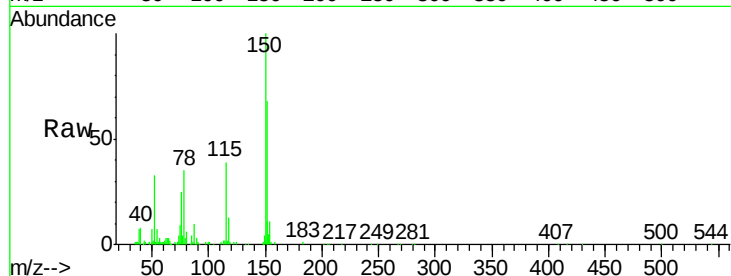


#1

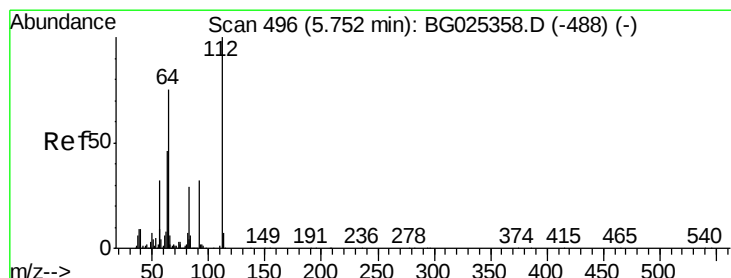
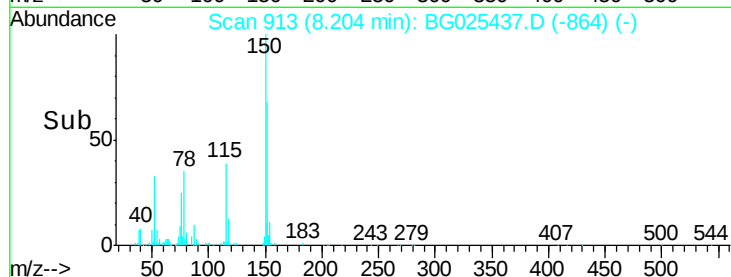
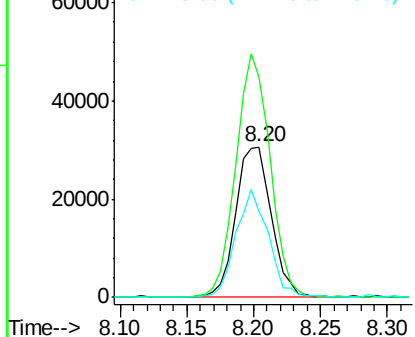
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.20 min Scan# 913  
 Delta R.T. -0.01 min  
 Lab File: BG025437.D  
 Acq: 9 Jan 2017 19:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB95829TB

Tgt Ion:152 Resp: 56578  
 Ion Ratio Lower Upper  
 152 100  
 150 147.1 114.0 171.0  
 115 57.6 48.1 72.1



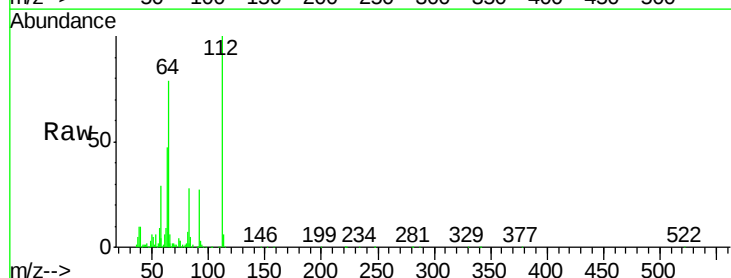
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



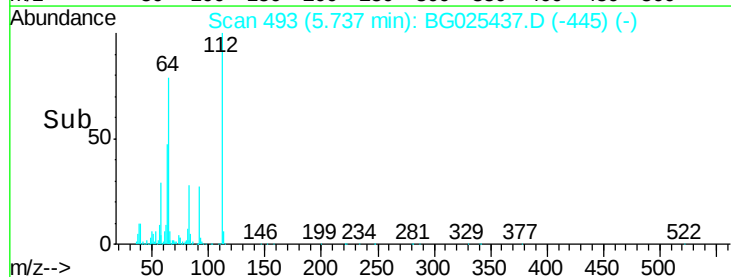
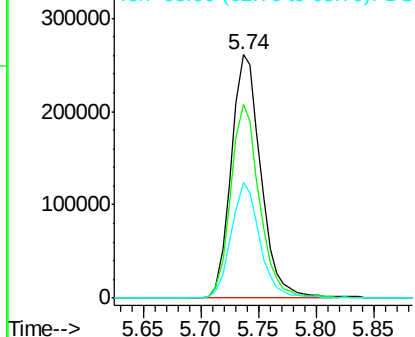
#5

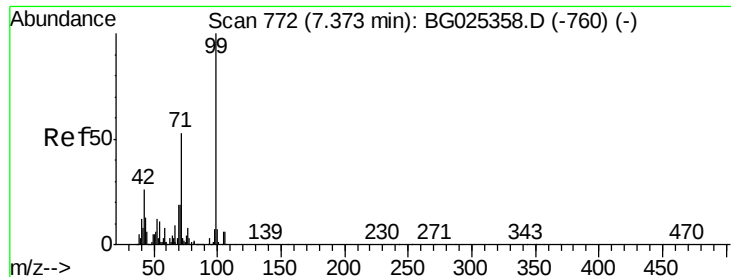
2-Fluorophenol  
 Concen: 149.21 ng  
 RT: 5.74 min Scan# 493  
 Delta R.T. -0.02 min  
 Lab File: BG025437.D  
 Acq: 9 Jan 2017 19:33

Tgt Ion:112 Resp: 464440  
 Ion Ratio Lower Upper  
 112 100  
 64 79.4 61.8 92.6  
 63 47.4 37.2 55.8



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: 144.40 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

Instrument :

BNA\_G

ClientSampleId :

PB95829TB

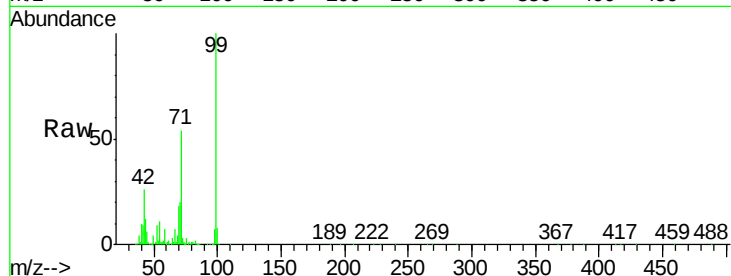
Tgt Ion: 99 Resp: 633002

Ion Ratio Lower Upper

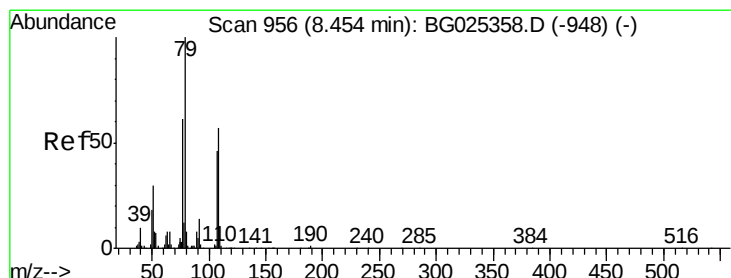
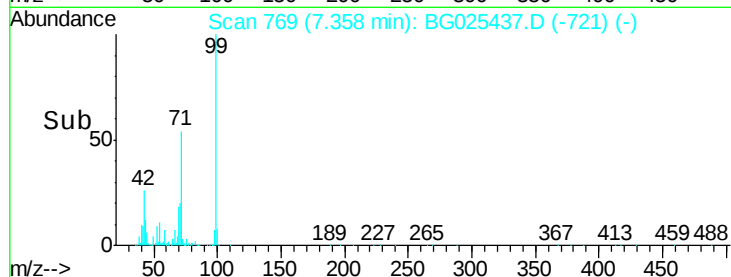
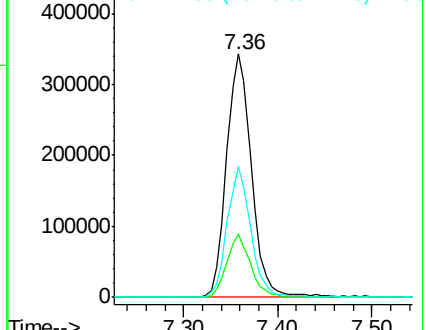
99 100

42 26.0 20.5 30.7

71 53.8 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 8.53 min Scan# 968

Delta R.T. 0.07 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

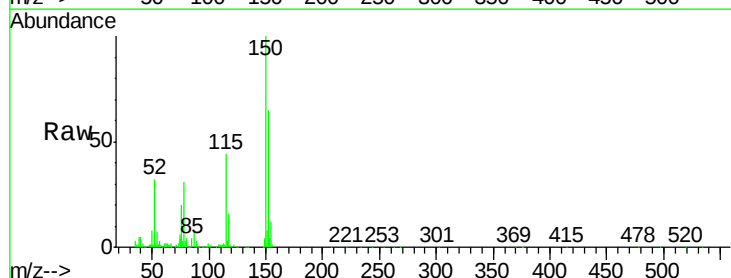
Tgt Ion: 79 Resp: 9270

Ion Ratio Lower Upper

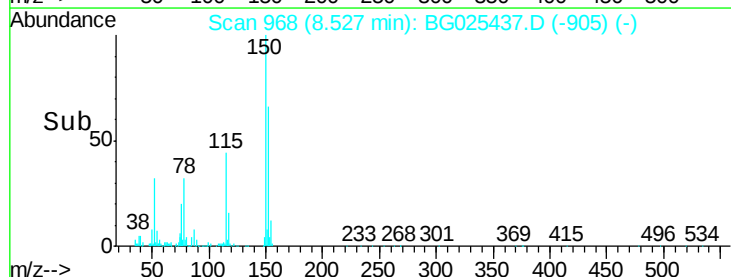
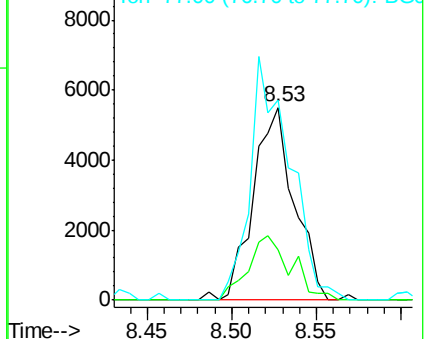
79 100

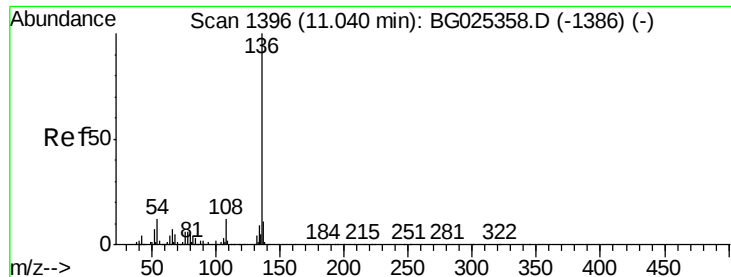
108 25.8 45.5 68.3#

77 103.4 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

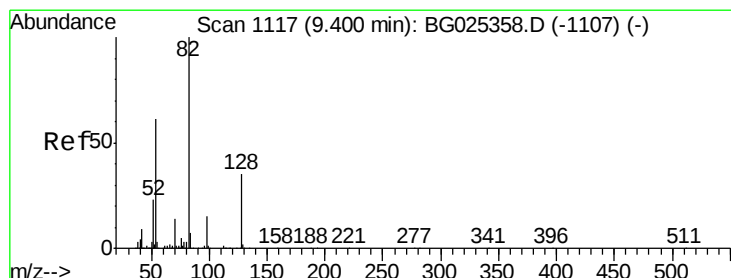
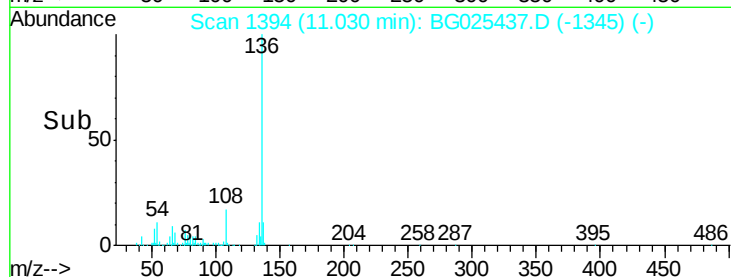
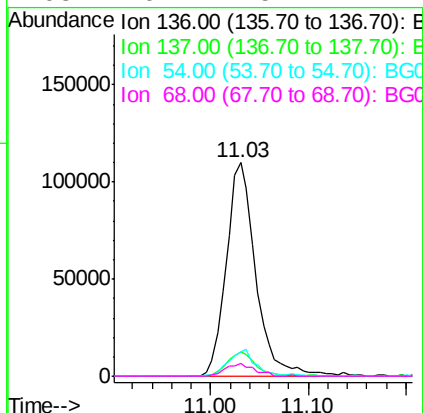
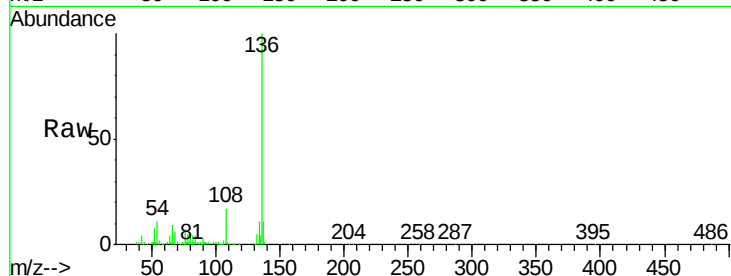




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.01 min  
Lab File: BG025437.D  
Acq: 9 Jan 2017 19:33

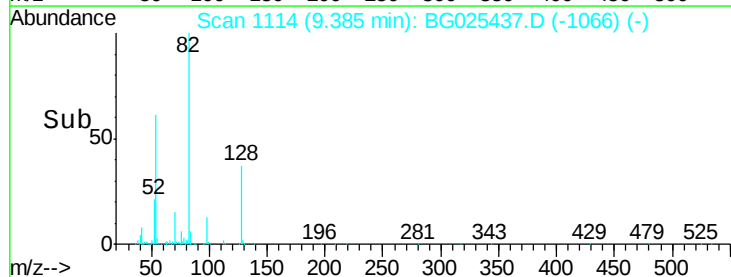
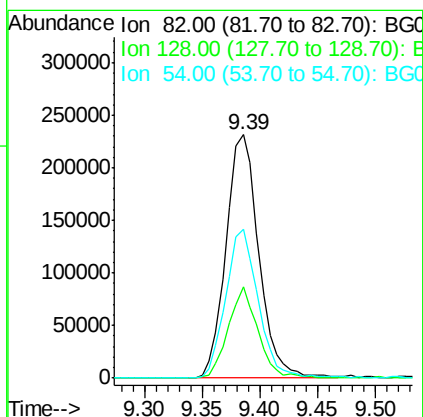
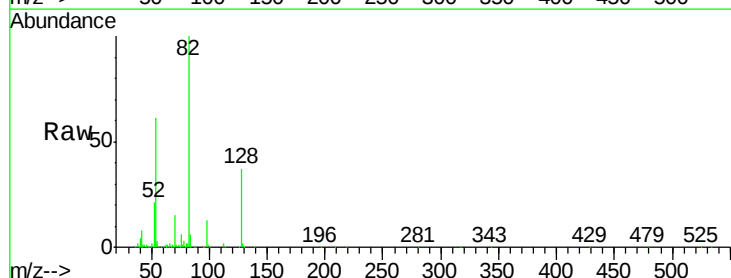
Instrument :  
BNA\_G  
ClientSampleId :  
PB95829TB

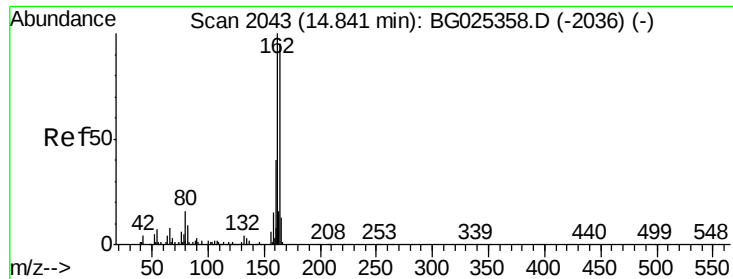
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 229768 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 11.3  | 9.3   | 13.9   |
| 68       | 6.2   | 5.1   | 7.7    |



#23  
Nitrobenzene-d5  
Concen: 88.09 ng  
RT: 9.39 min Scan# 1114  
Delta R.T. -0.02 min  
Lab File: BG025437.D  
Acq: 9 Jan 2017 19:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 458158 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.3  | 26.4  | 39.6   |
| 54       | 61.1  | 49.4  | 74.2   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.83 min Scan# 2040

Delta R.T. -0.02 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

Instrument :

BNA\_G

ClientSampleId :

PB95829TB

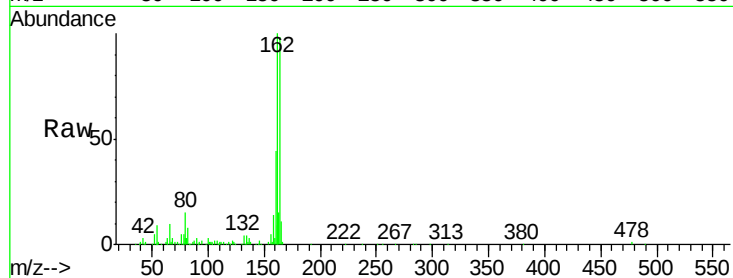
Tgt Ion:164 Resp: 178466

Ion Ratio Lower Upper

164 100

162 102.3 85.1 127.7

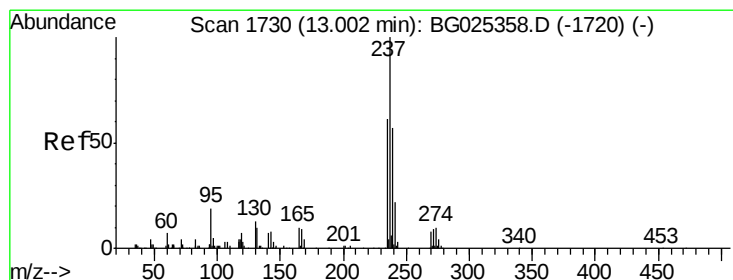
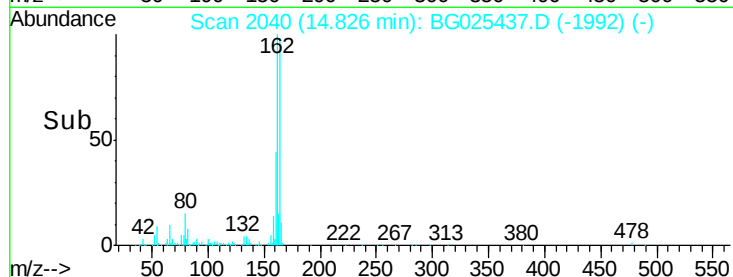
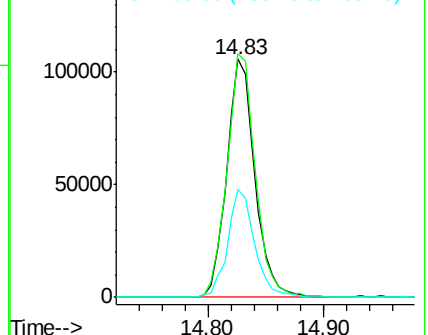
160 45.5 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 8.56 ng

RT: 12.92 min Scan# 1715

Delta R.T. -0.09 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

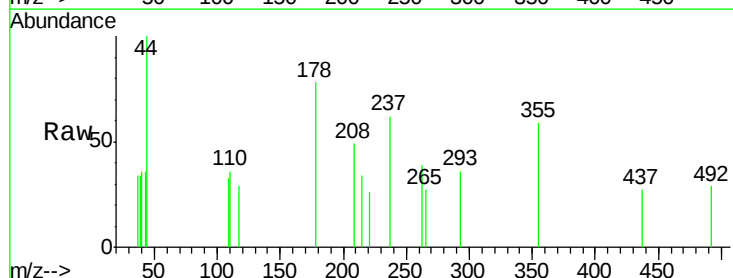
Tgt Ion:237 Resp: 129

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

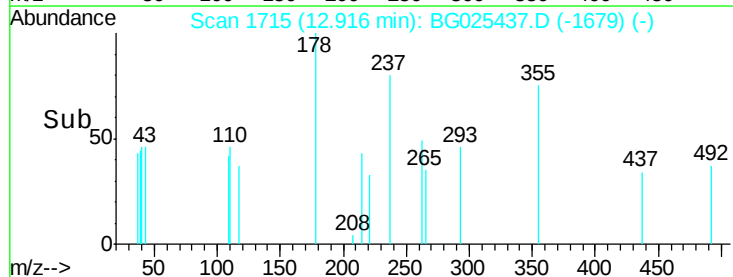
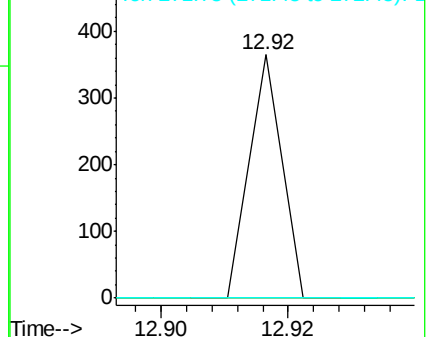
272 0.0 0.0 32.0



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

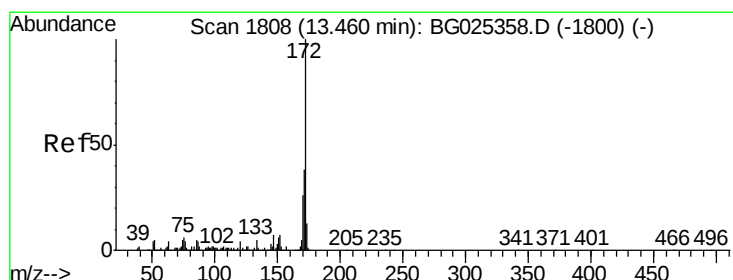
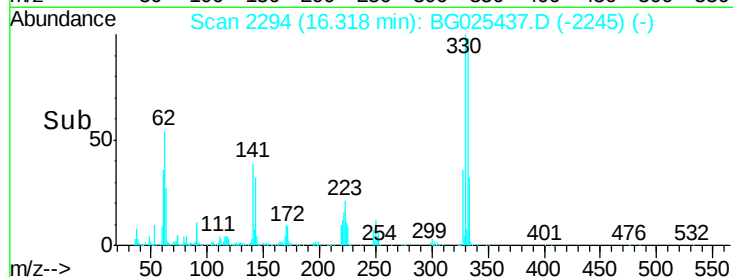
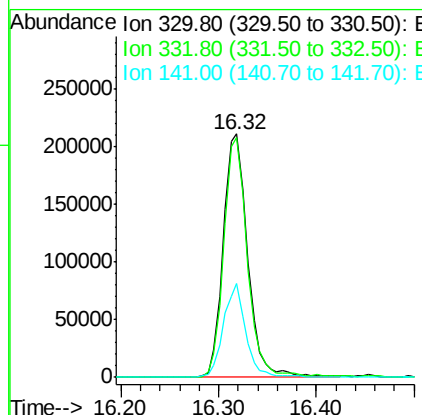
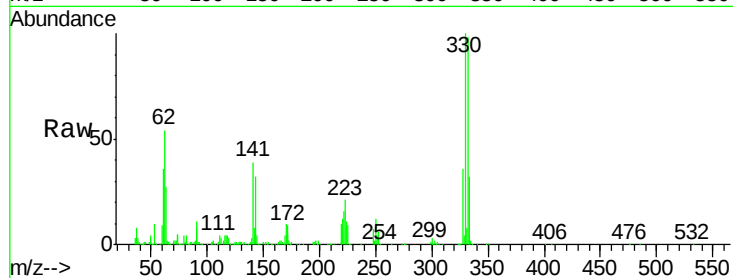




#41  
 2,4,6-Tribromophenol  
 Concen: 127.90 ng  
 RT: 16.32 min Scan# 2294  
 Delta R.T. -0.01 min  
 Lab File: BG025437.D  
 Acq: 9 Jan 2017 19:33

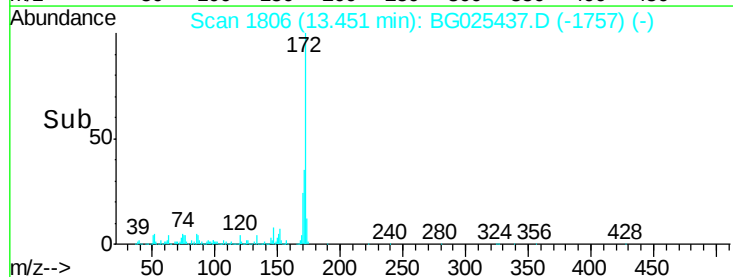
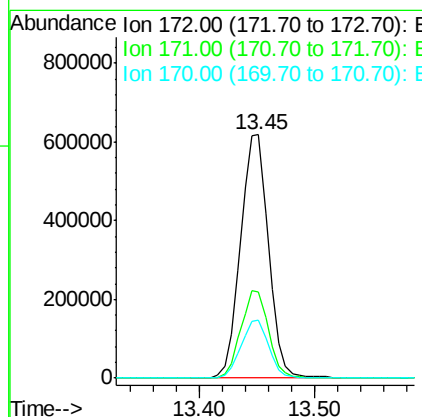
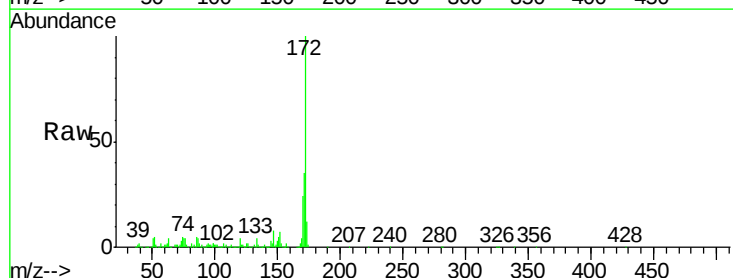
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB95829TB

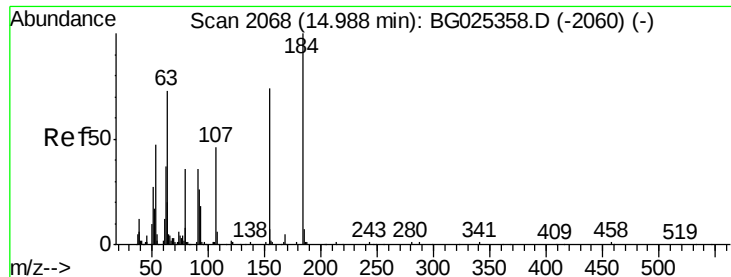
Tgt Ion:330 Resp: 367479  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 77.3 115.9  
 141 35.2 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 94.18 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.01 min  
 Lab File: BG025437.D  
 Acq: 9 Jan 2017 19:33

Tgt Ion:172 Resp: 1038226  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 32.2 48.2  
 170 23.6 21.8 32.6

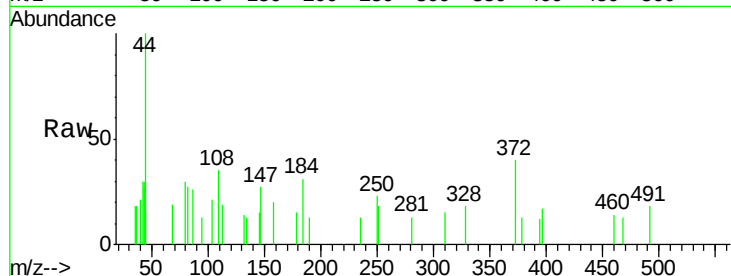




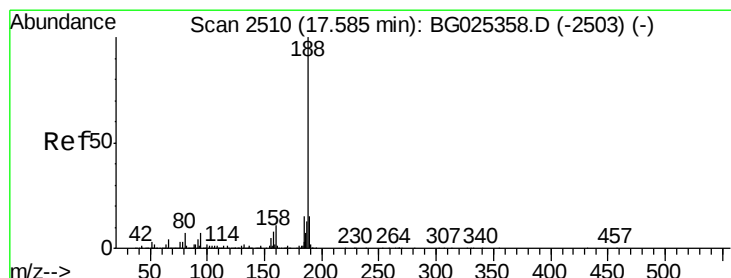
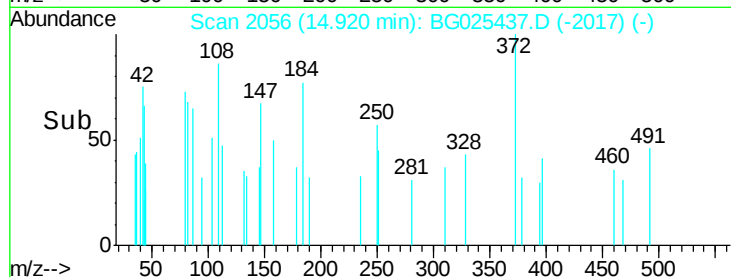
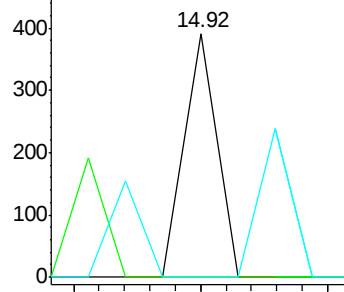
#53  
2,4-Dinitrophenol  
Concen: 5.15 ng  
RT: 14.92 min Scan# 2056  
Delta R.T. -0.07 min  
Lab File: BG025437.D  
Acq: 9 Jan 2017 19:33

Instrument :  
BNA\_G  
ClientSampleId :  
PB95829TB

Tgt Ion:184 Resp: 138  
Ion Ratio Lower Upper  
184 100  
63 0.0 52.7 79.1#  
154 0.0 57.3 85.9#

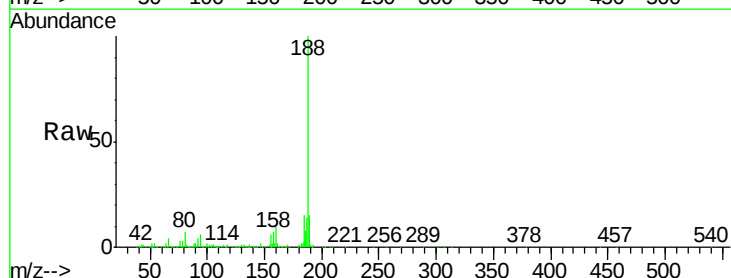


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E

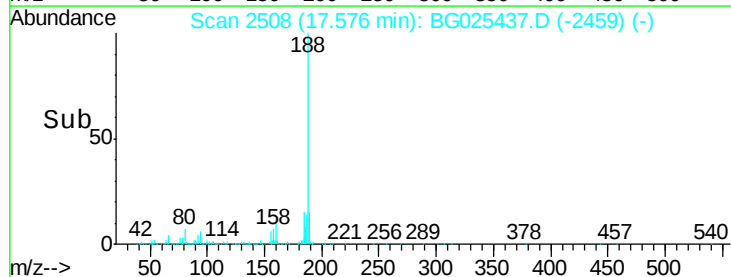
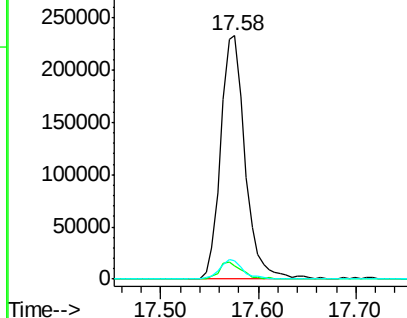


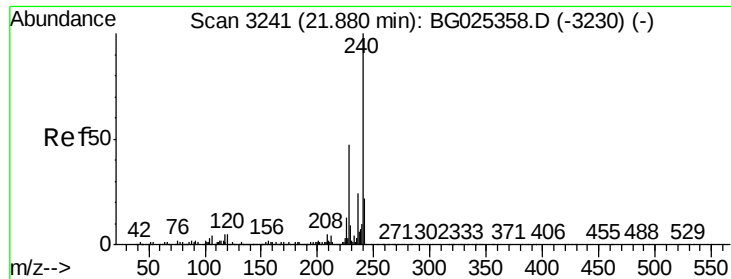
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.58 min Scan# 2508  
Delta R.T. -0.01 min  
Lab File: BG025437.D  
Acq: 9 Jan 2017 19:33

Tgt Ion:188 Resp: 405533  
Ion Ratio Lower Upper  
188 100  
94 5.7 5.8 8.8#  
80 7.5 7.5 11.3#



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

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. -0.02 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

Instrument :

BNA\_G

ClientSampleId :

PB95829TB

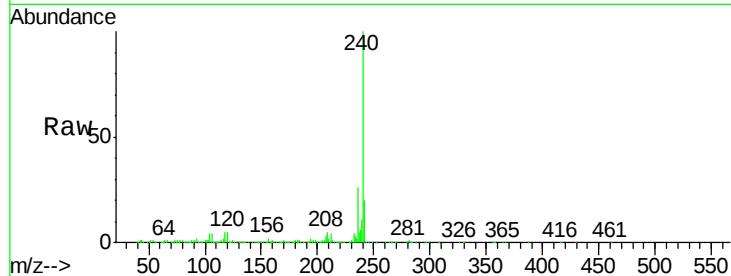
Tgt Ion:240 Resp: 622241

Ion Ratio Lower Upper

240 100

120 5.5 5.7 8.5#

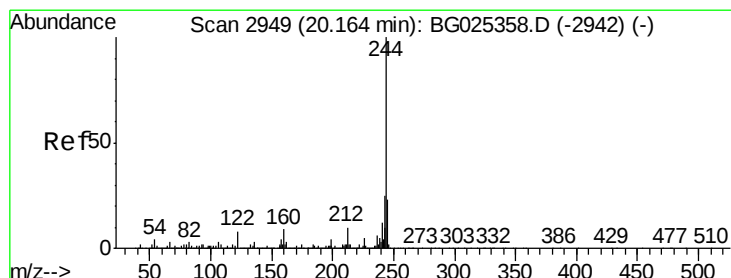
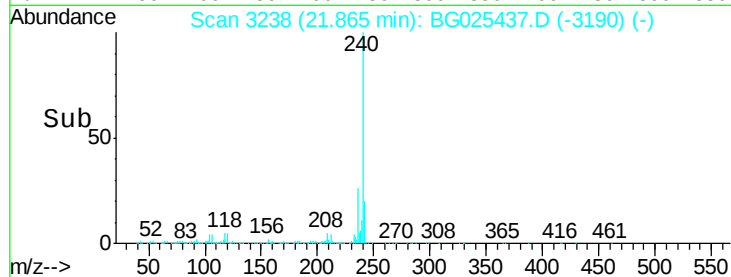
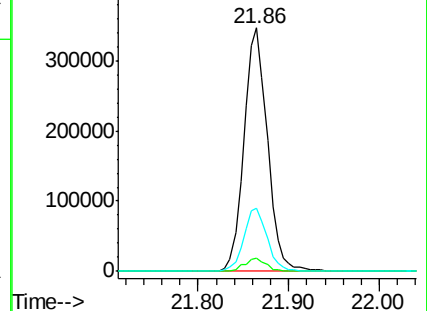
236 25.9 22.2 33.4



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: 84.75 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG025437.D

Acq: 9 Jan 2017 19:33

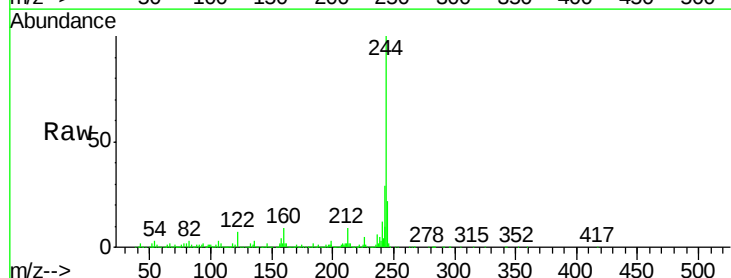
Tgt Ion:244 Resp: 1988855

Ion Ratio Lower Upper

244 100

212 9.4 10.0 15.0#

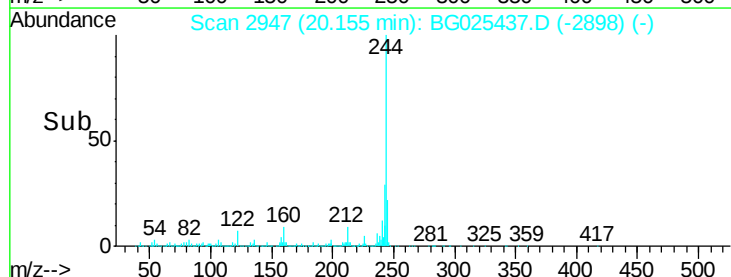
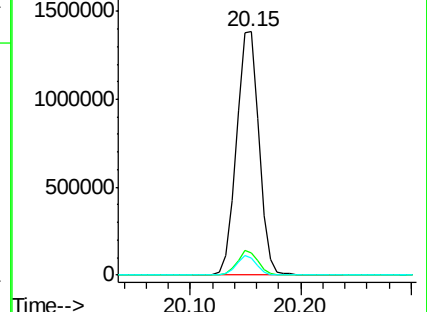
122 7.1 8.6 12.8#

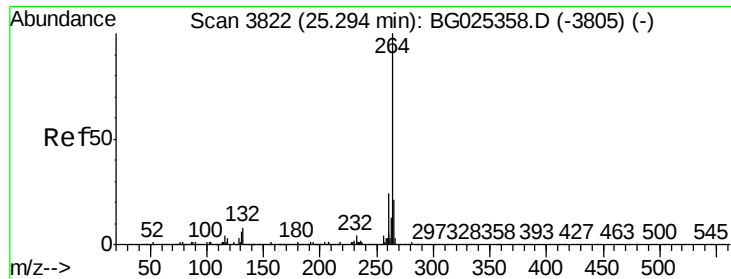


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.26 min Scan# 3816  
Delta R.T. -0.03 min  
Lab File: BG025437.D  
Acq: 9 Jan 2017 19:33

Instrument :  
BNA\_G  
ClientSampleId :  
PB95829TB

Tgt Ion: 264 Resp: 661914  
Ion Ratio Lower Upper  
264 100  
260 21.1 21.8 32.8#  
265 22.8 18.2 27.4

