

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011217\  
 Data File : BG025499.D  
 Acq On : 13 Jan 2017 2:15  
 Operator : UM/SJ  
 Sample : I1125-06  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-32

Quant Time: Jan 13 04:58:12 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 11:26:22 2017  
 Response via : Initial Calibration

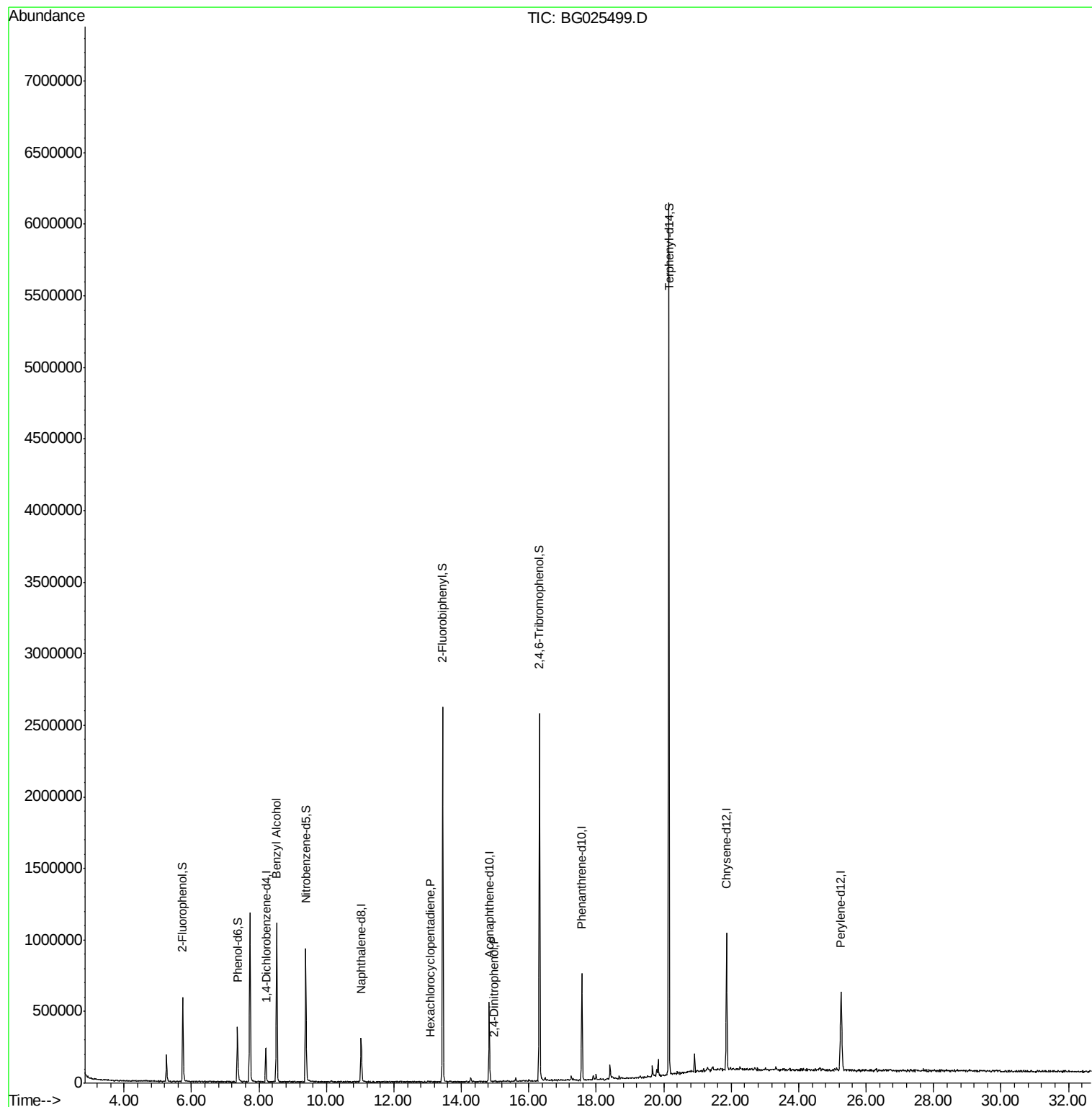
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 60454    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.03 | 136  | 249064   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.82 | 164  | 199888   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.57 | 188  | 465756   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.86 | 240  | 646441   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.26 | 264  | 681881   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 239795   | 72.10  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.36  | 99   | 205452   | 43.86  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.38  | 82   | 610950   | 108.37 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.32 | 330  | 516095   | 160.37 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1332486  | 107.92 | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.15 | 244  | 2420381  | 99.27  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.53  | 79   | 11336    | 2.54   | ng    | # 50     |
| 40) Hexachlorocyclopentadiene | 13.09 | 237  | 58       | 8.53   | ng    | # 29     |
| 53) 2,4-Dinitrophenol         | 14.97 | 184  | 118      | 5.13   | ng    | # 15     |

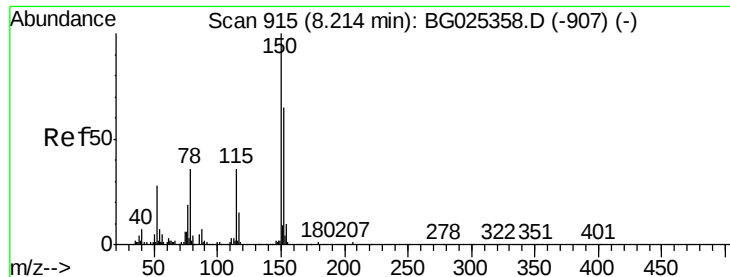
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG011217\  
Data File : BG025499.D  
Acq On : 13 Jan 2017 2:15  
Operator : UM/SJ  
Sample : I1125-06  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
W-32

Quant Time: Jan 13 04:58:12 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 10 11:26:22 2017  
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: BG025499.D

Acq: 13 Jan 2017 2:15

Instrument :

BNA\_G

ClientSampleId :

W-32

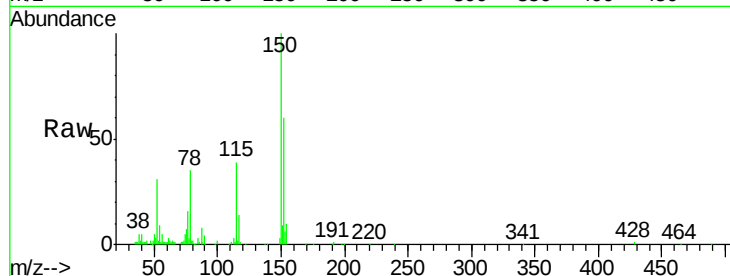
Tgt Ion:152 Resp: 60454

Ion Ratio Lower Upper

152 100

150 166.3 114.0 171.0

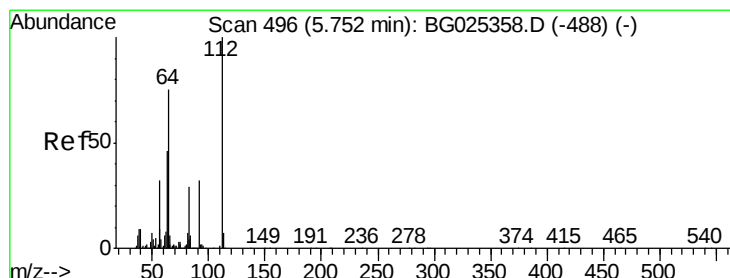
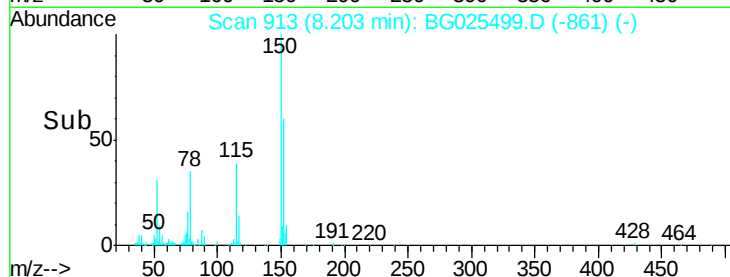
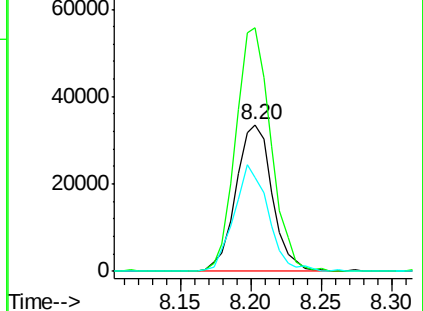
115 64.5 48.1 72.1



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: 72.10 ng

RT: 5.74 min Scan# 494

Delta R.T. 0.01 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

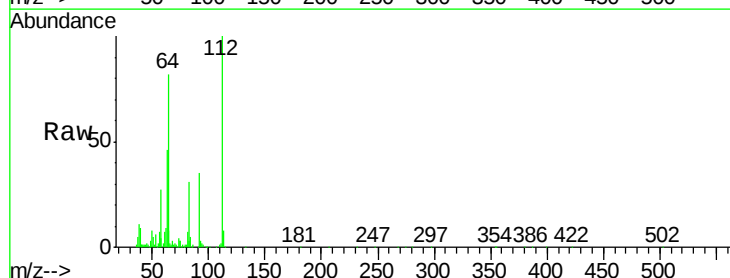
Tgt Ion:112 Resp: 239795

Ion Ratio Lower Upper

112 100

64 82.4 61.8 92.6

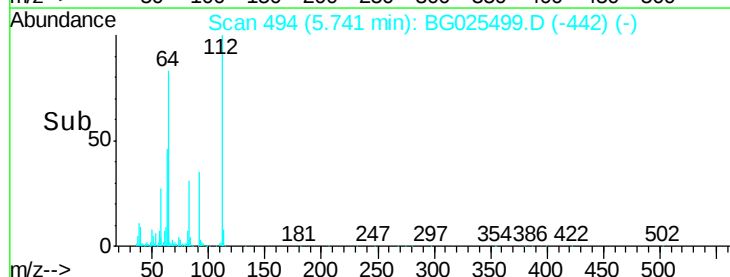
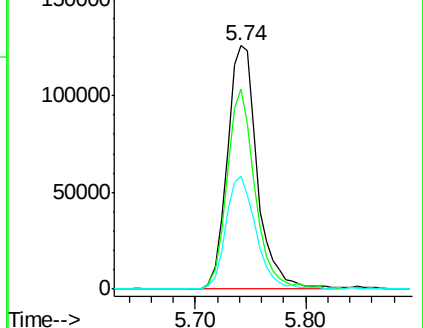
63 46.3 37.2 55.8

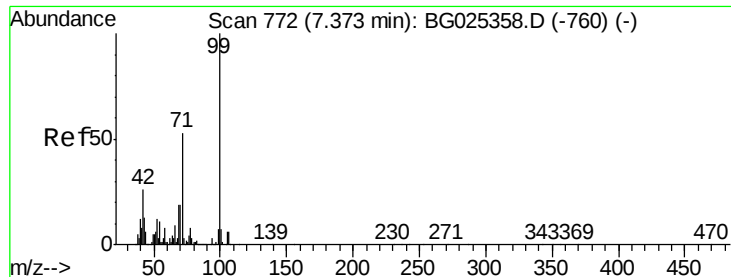


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 43.86 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

Instrument :

BNA\_G

ClientSampleId :

W-32

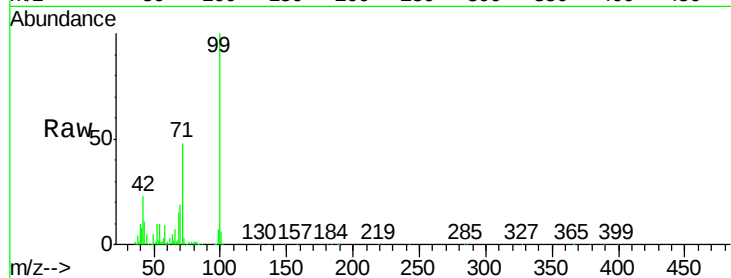
Tgt Ion: 99 Resp: 205452

Ion Ratio Lower Upper

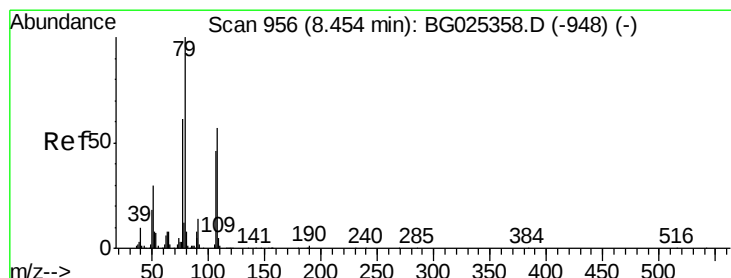
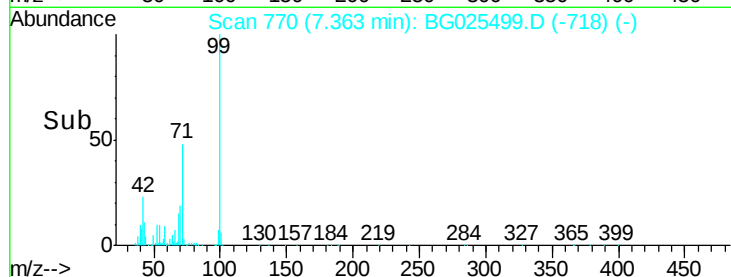
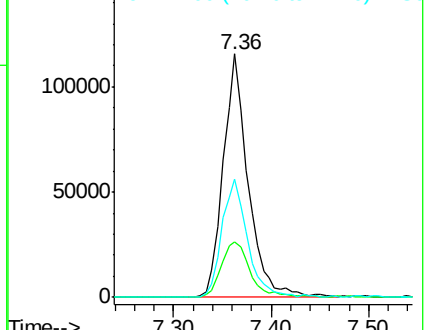
99 100

42 22.9 20.5 30.7

71 48.4 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: 2.54 ng

RT: 8.53 min Scan# 969

Delta R.T. 0.09 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

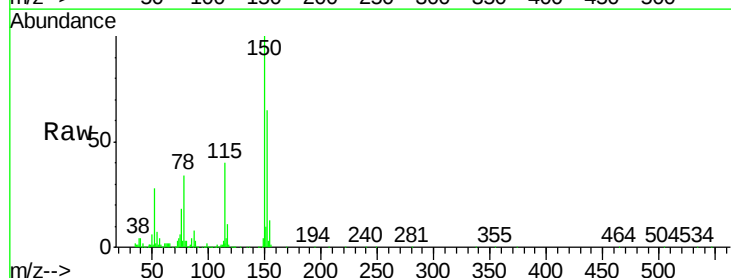
Tgt Ion: 79 Resp: 11336

Ion Ratio Lower Upper

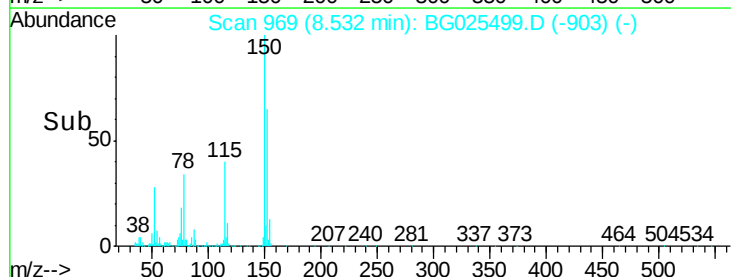
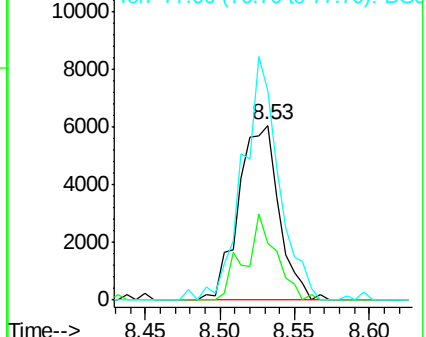
79 100

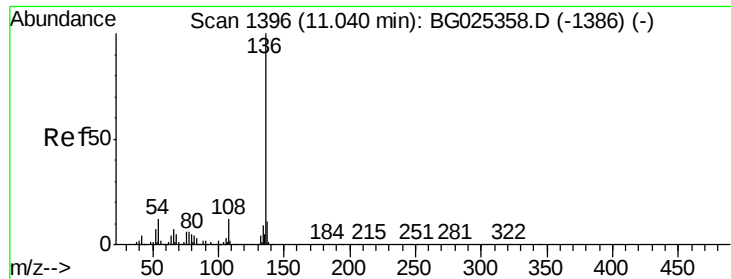
108 32.2 45.5 68.3#

77 119.7 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. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

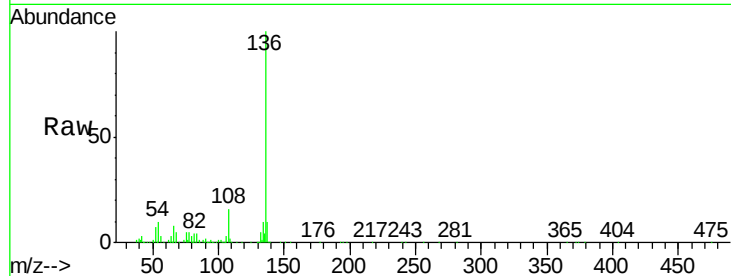
Instrument :

BNA\_G

ClientSampleId :

W-32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 249064 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.3  | 8.9   | 13.3   |
| 54       | 9.8   | 9.3   | 13.9   |
| 68       | 4.6   | 5.1   | 7.7#   |



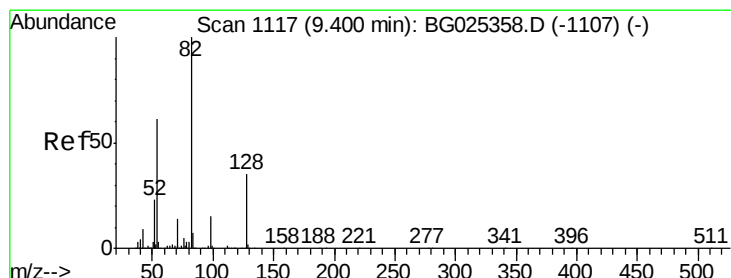
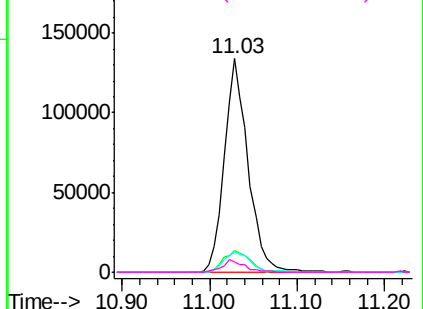
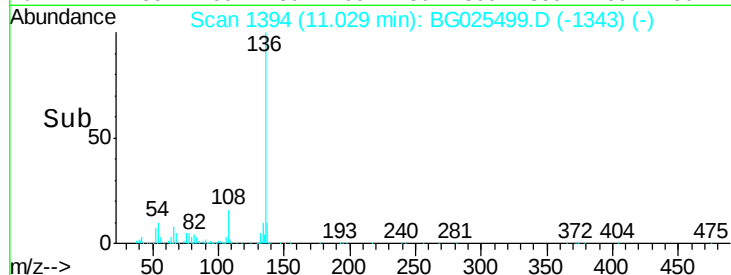
Abundance

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: 108.37 ng

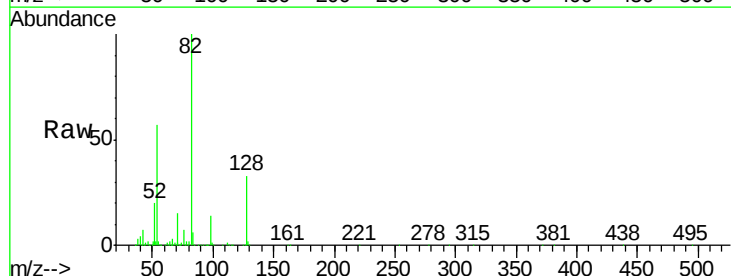
RT: 9.38 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 610950 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 32.8  | 26.4  | 39.6   |
| 54       | 56.6  | 49.4  | 74.2   |

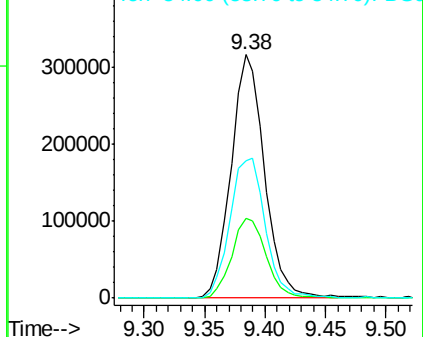
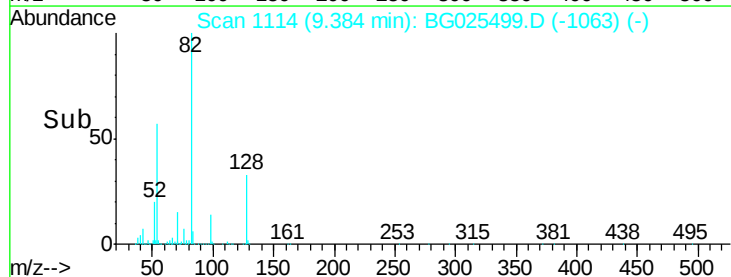


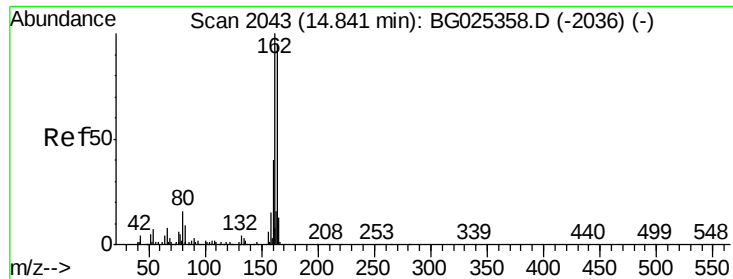
Abundance

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: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

Instrument :

BNA\_G

ClientSampleId :

W-32

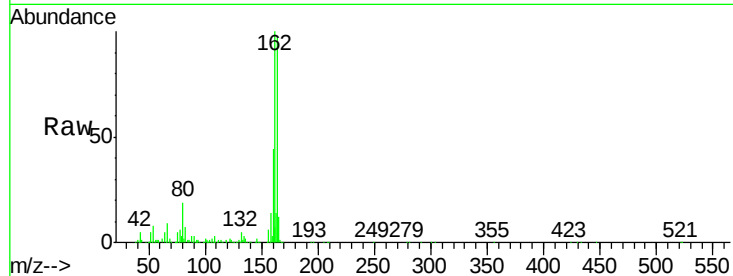
Tgt Ion:164 Resp: 199888

Ion Ratio Lower Upper

164 100

162 102.9 85.1 127.7

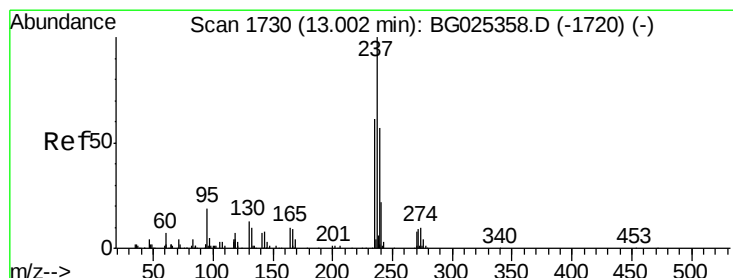
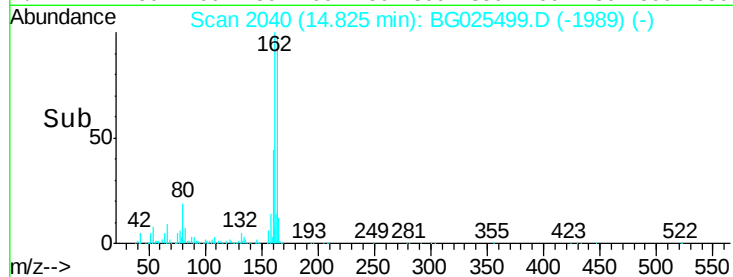
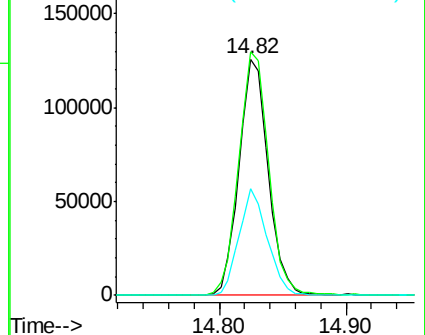
160 45.2 34.7 52.1



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: 8.53 ng

RT: 13.09 min Scan# 1745

Delta R.T. 0.10 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

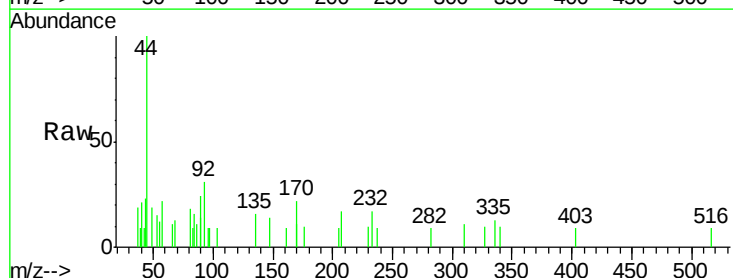
Tgt Ion:237 Resp: 58

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

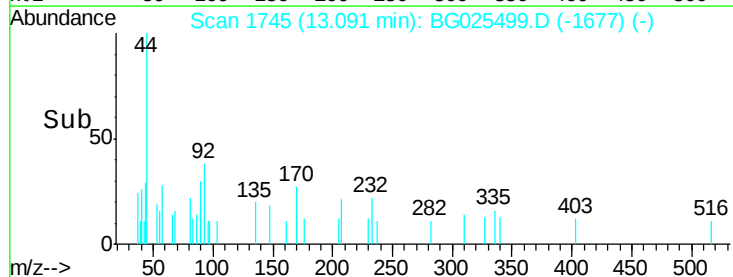
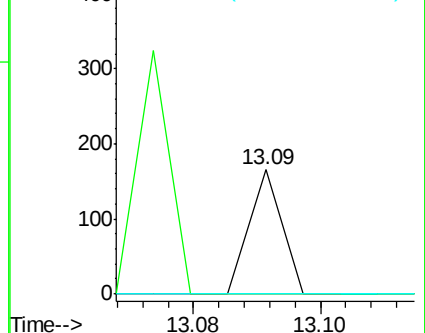
272 0.0 0.0 32.0

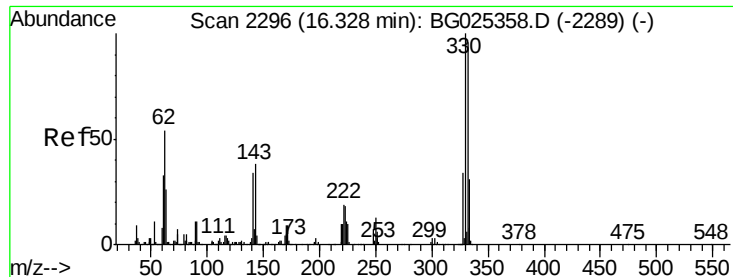


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 160.37 ng

RT: 16.32 min Scan# 2294

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

Instrument :

BNA\_G

ClientSampleId :

W-32

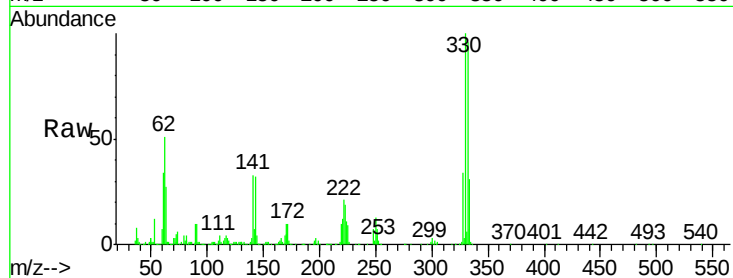
Tgt Ion:330 Resp: 516095

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

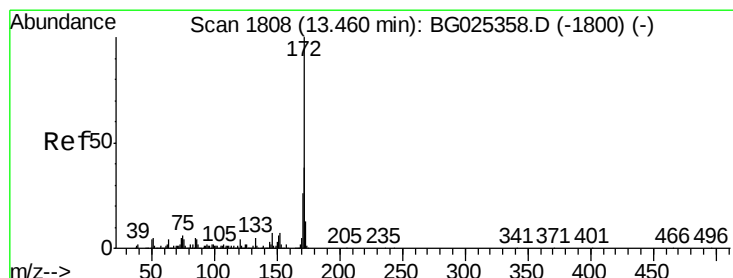
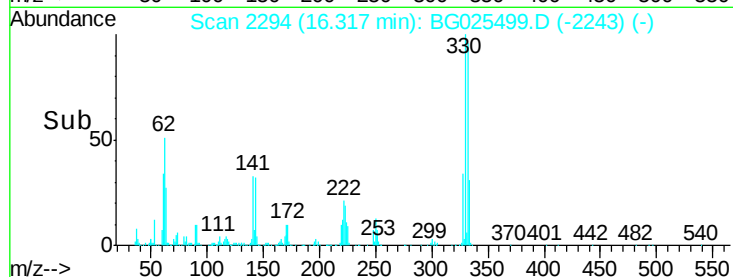
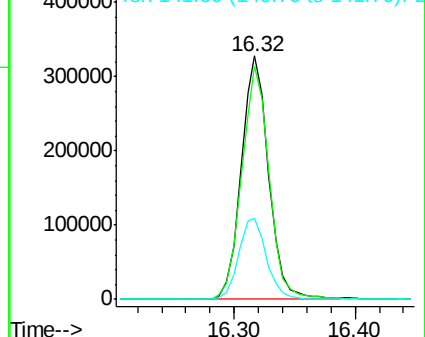
141 34.0 32.1 48.1



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: 107.92 ng

RT: 13.45 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

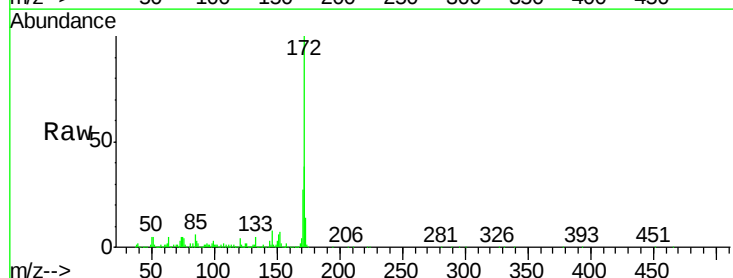
Tgt Ion:172 Resp: 1332486

Ion Ratio Lower Upper

172 100

171 38.0 32.2 48.2

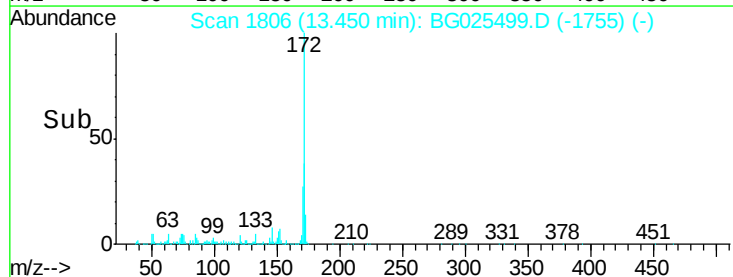
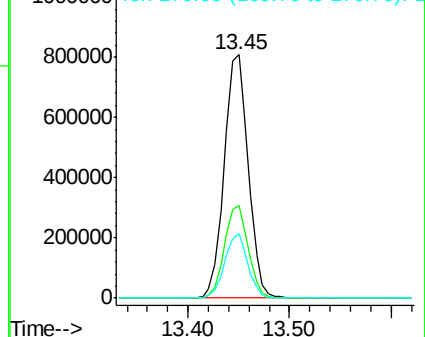
170 26.7 21.8 32.6

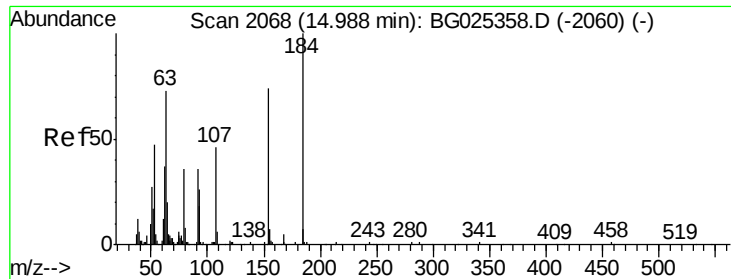


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

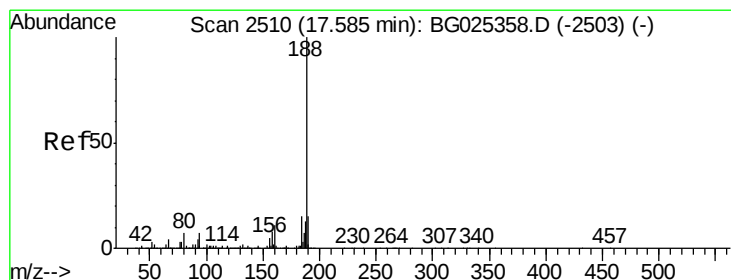
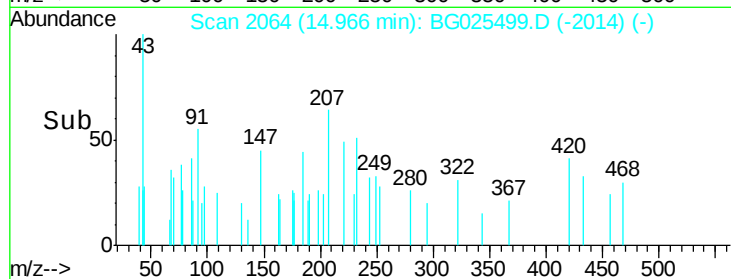
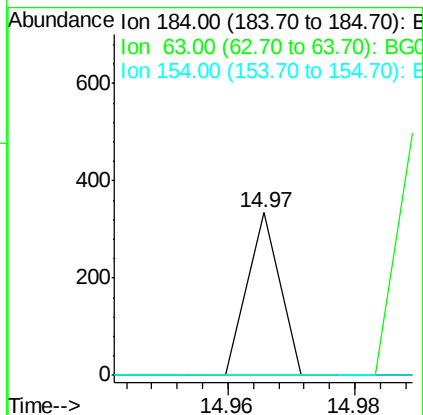
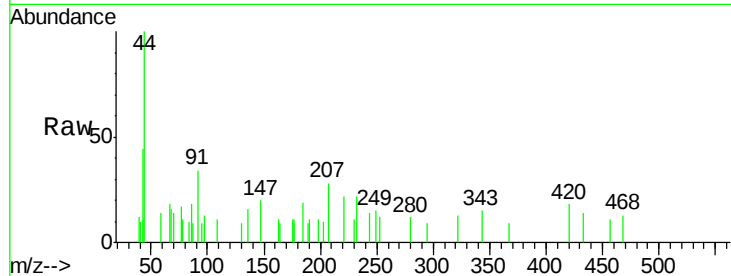




#53  
 2,4-Dinitrophenol  
 Concen: 5.13 ng  
 RT: 14.97 min Scan# 2064  
 Delta R.T. -0.01 min  
 Lab File: BG025499.D  
 Acq: 13 Jan 2017 2:15

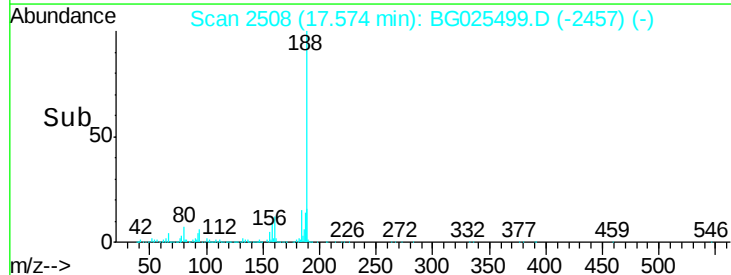
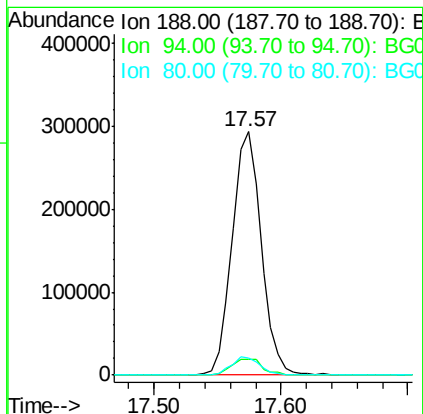
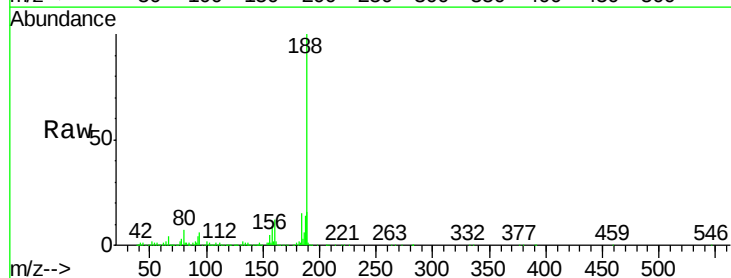
Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-32

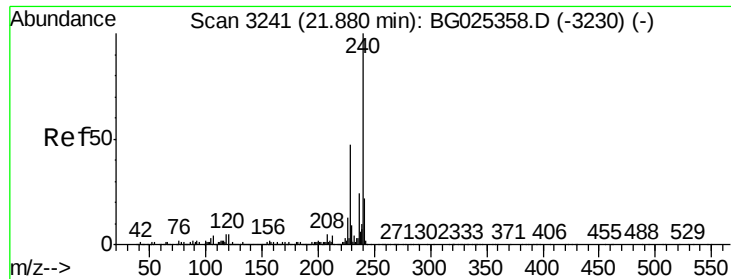
Tgt Ion:184 Resp: 118  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 52.7 79.1#  
 154 0.0 57.3 85.9#



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.57 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: BG025499.D  
 Acq: 13 Jan 2017 2:15

Tgt Ion:188 Resp: 465756  
 Ion Ratio Lower Upper  
 188 100  
 94 6.4 5.8 8.8  
 80 7.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3238

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

Instrument :

BNA\_G

ClientSampled :

W-32

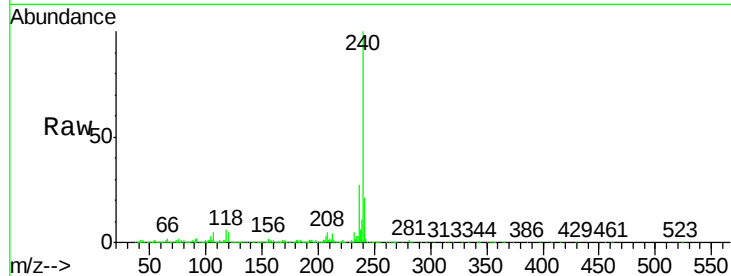
Tgt Ion:240 Resp: 646441

Ion Ratio Lower Upper

240 100

120 5.3 5.7 8.5#

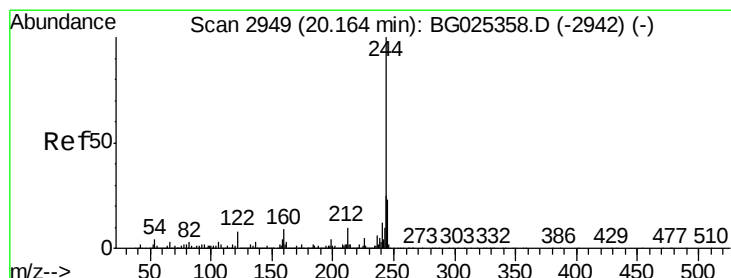
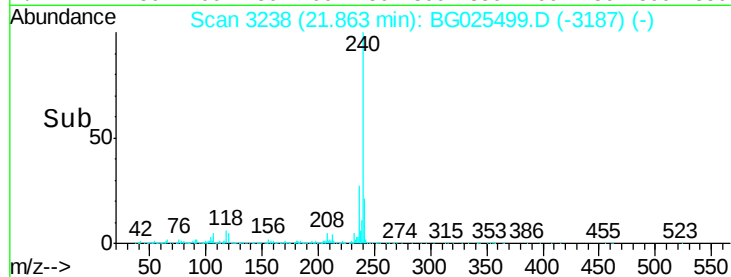
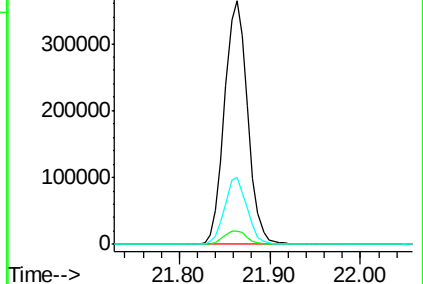
236 27.3 22.2 33.4



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: 99.27 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG025499.D

Acq: 13 Jan 2017 2:15

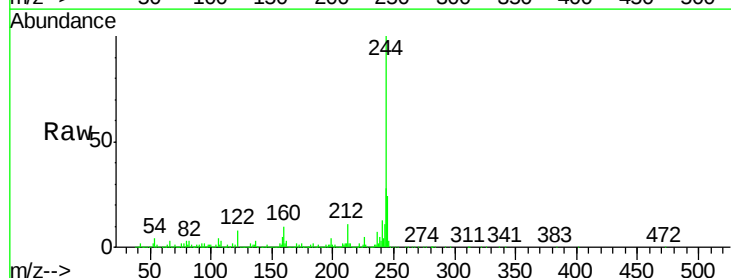
Tgt Ion:244 Resp: 2420381

Ion Ratio Lower Upper

244 100

212 11.0 10.0 15.0

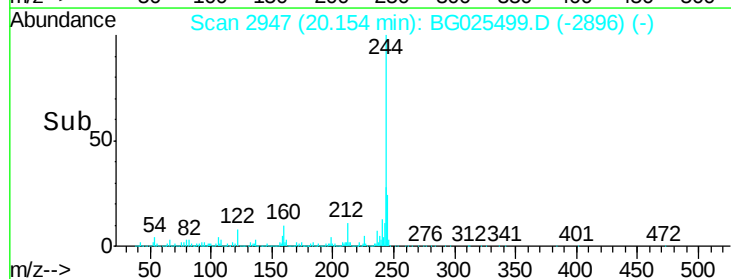
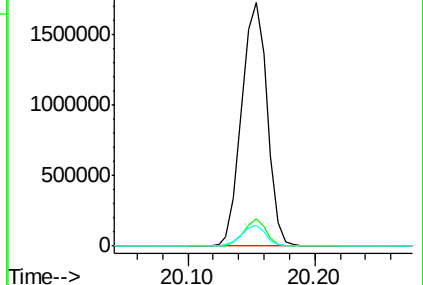
122 8.4 8.6 12.8#

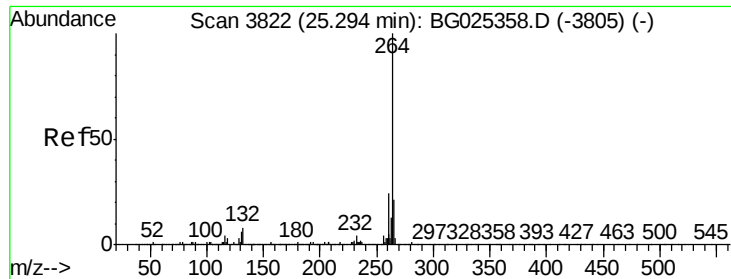


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min  
Lab File: BG025499.D  
Acq: 13 Jan 2017 2:15

Instrument :  
BNA\_G  
ClientSampleId :  
W-32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 681881 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.4  | 21.8  | 32.8   |
| 265      | 20.9  | 18.2  | 27.4   |

