

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
 Data File : BG018737.D  
 Acq On : 17 Sep 2015 14:16  
 Operator : TP  
 Sample : G3651-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043031

Quant Time: Sep 18 03:44:03 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 18 03:41:39 2015  
 Response via : Initial Calibration

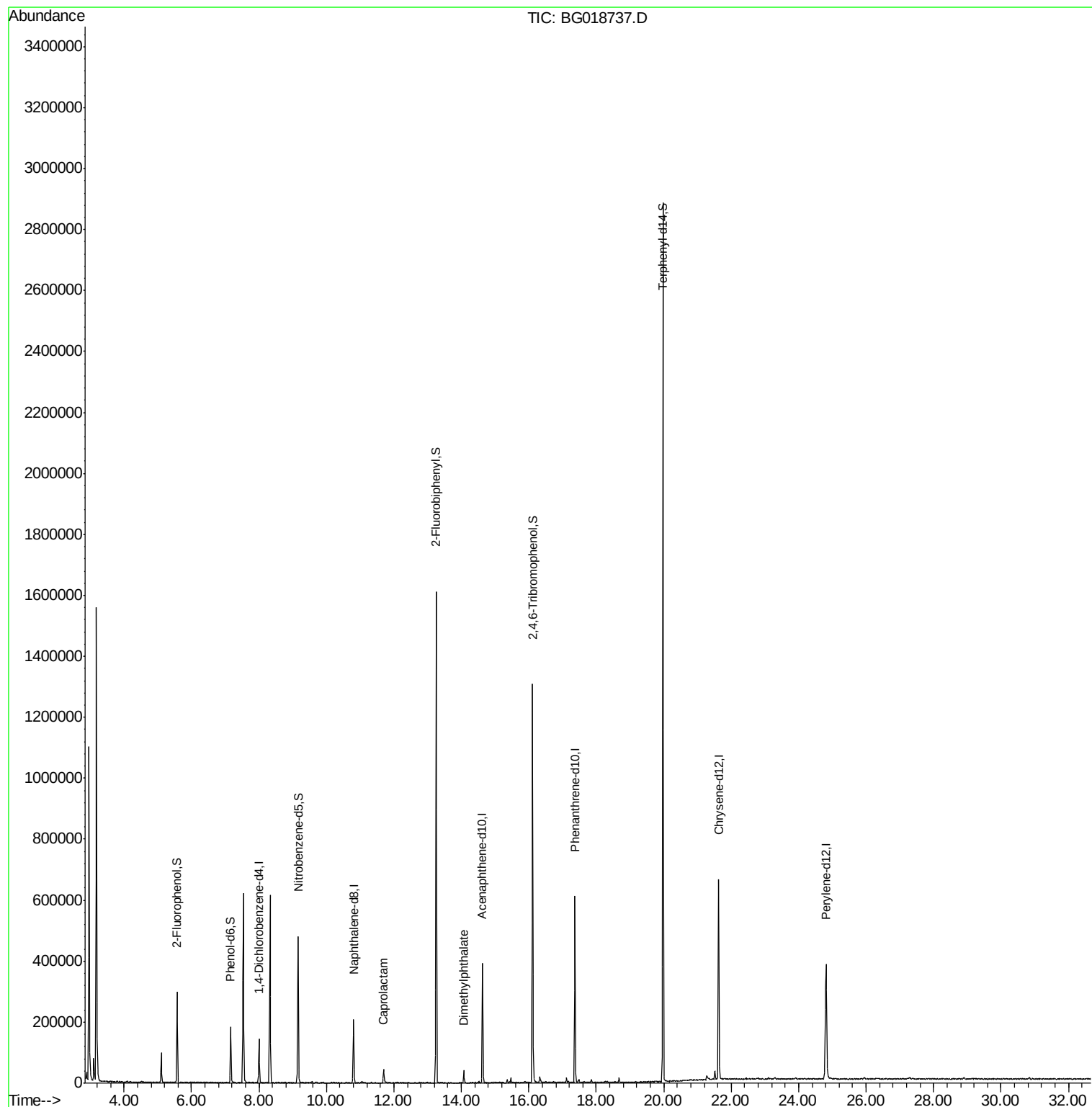
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 44312    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 187387   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.62 | 164  | 135919   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.37 | 188  | 369688   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.63 | 240  | 405416   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.81 | 264  | 400184   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 149347   | 58.22  | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 126144   | 34.30  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 310273   | 92.65  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.11 | 330  | 265102   | 144.85 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 870196   | 88.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 1251130  | 81.04  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 35) Caprolactam             | 11.70 | 113  | 11144    | 8.51   | ng    | # 79     |
| 49) Dimethylphthalate       | 14.07 | 163  | 28337    | 2.52   | ng    | # 99     |

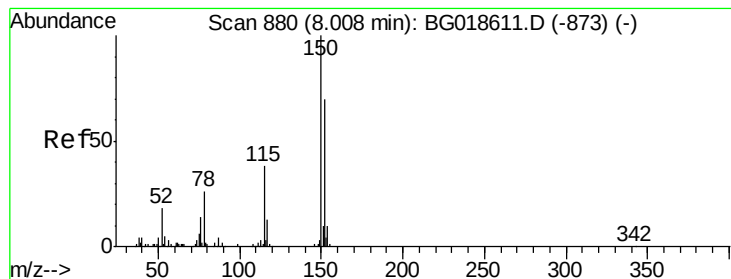
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091815\  
Data File : BG018737.D  
Acq On : 17 Sep 2015 14:16  
Operator : TP  
Sample : G3651-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043031

Quant Time: Sep 18 03:44:03 2015  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 18 03:41:39 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. 0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

Instrument :

BNA\_G

ClientSampleId :

CPS043031

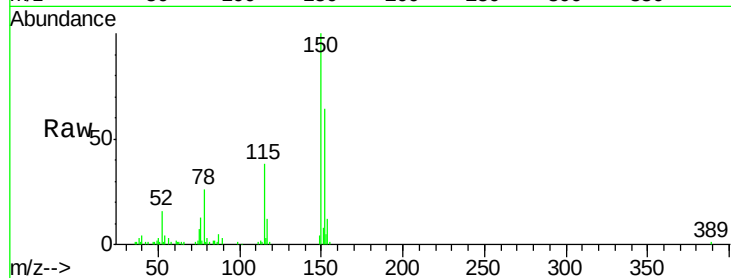
Tot Ion:152 Resp: 44312

Ion Ratio Lower Upper

152 100

150 155.4 115.0 172.4

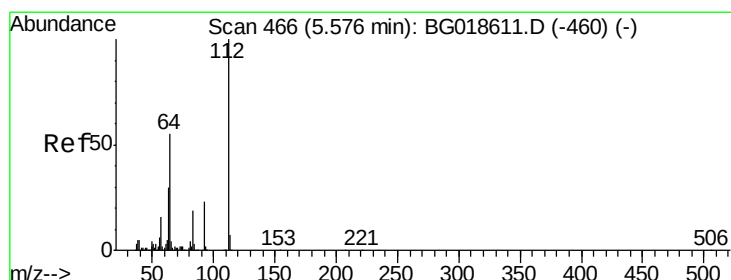
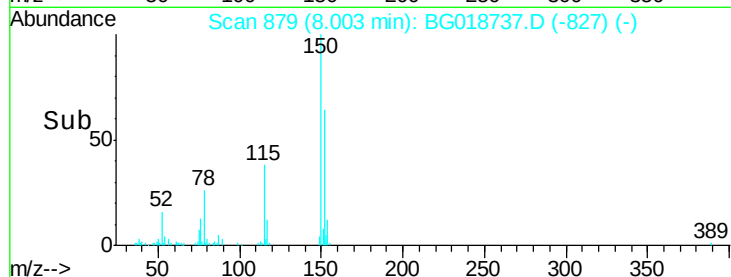
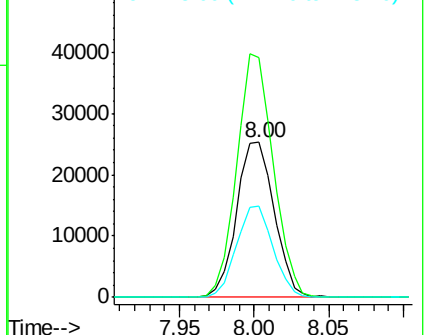
115 58.7 43.9 65.9



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: 58.22 ng

RT: 5.58 min Scan# 466

Delta R.T. 0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

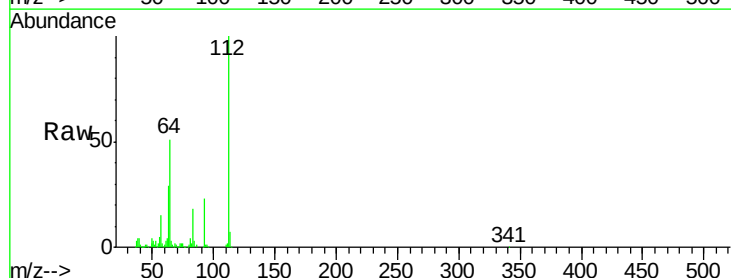
Tgt Ion:112 Resp: 149347

Ion Ratio Lower Upper

112 100

64 50.8 43.7 65.5

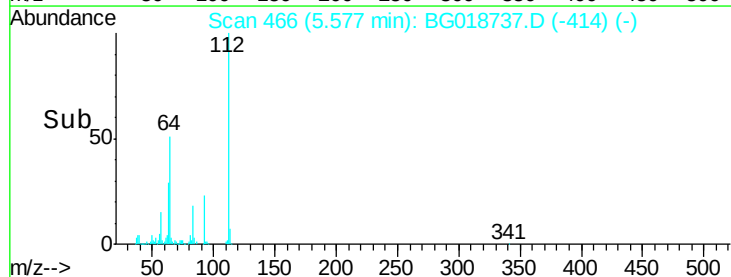
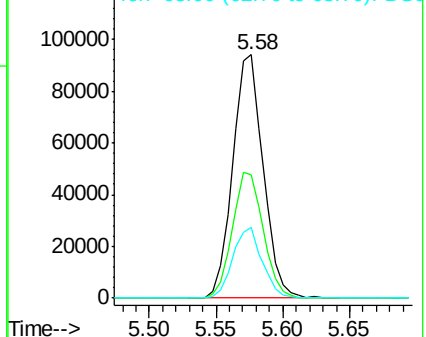
63 28.9 24.0 36.0

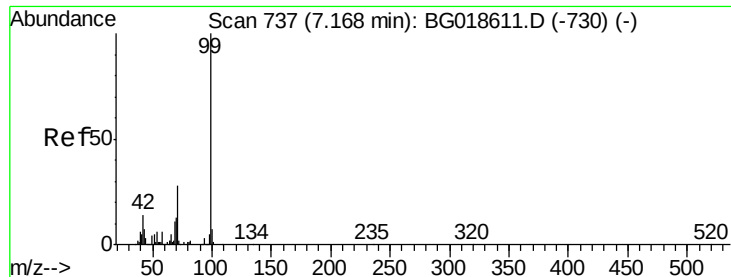


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 34.30 ng

RT: 7.16 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

Instrument :

BNA\_G

ClientSampleId :

CPS043031

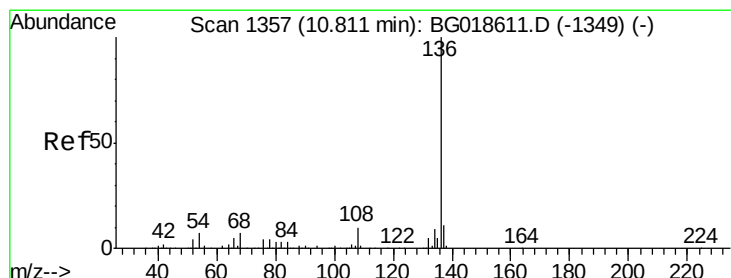
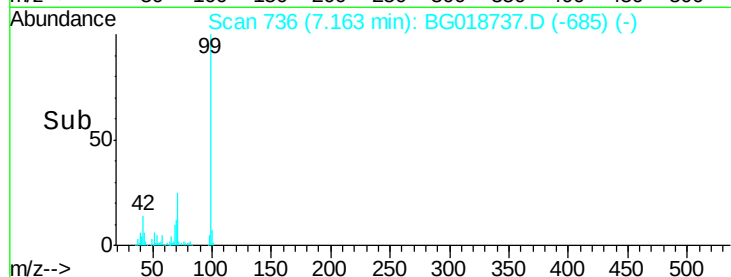
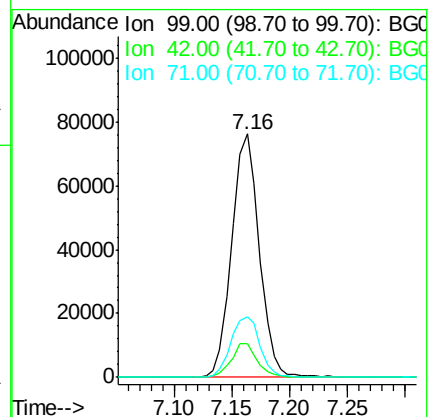
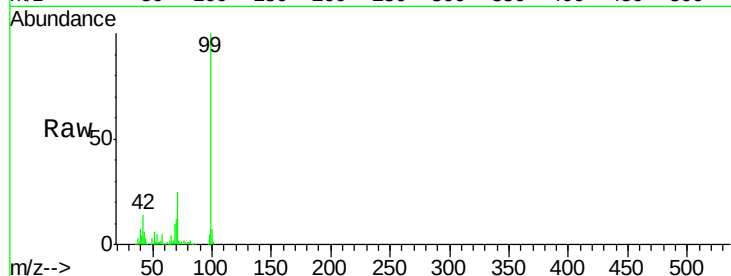
Tot Ion: 99 Resp: 126144

Ion Ratio Lower Upper

99 100

42 13.8 11.5 17.3

71 25.1 22.6 34.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.80 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

Tgt Ion: 136 Resp: 187387

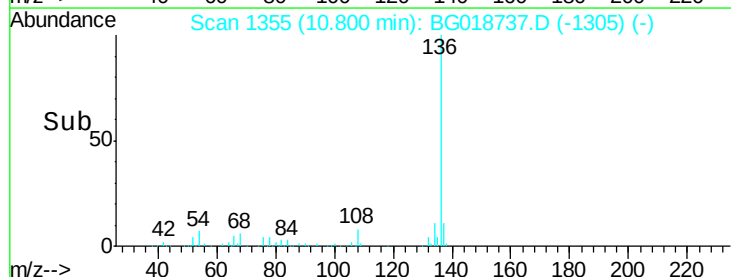
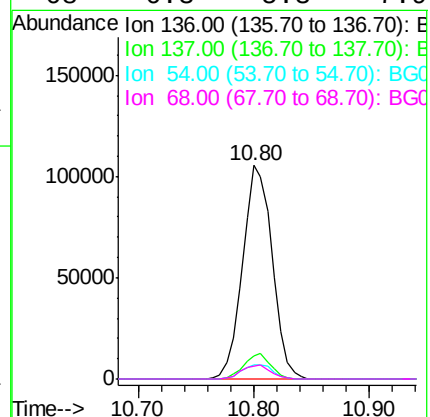
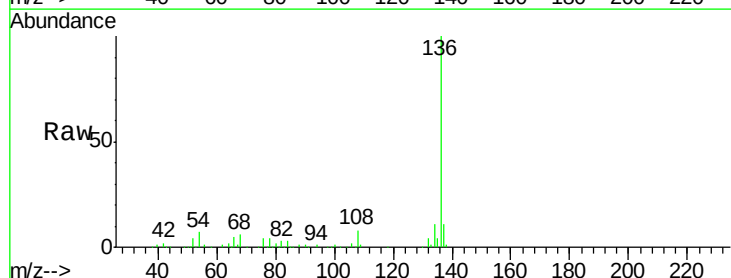
Ion Ratio Lower Upper

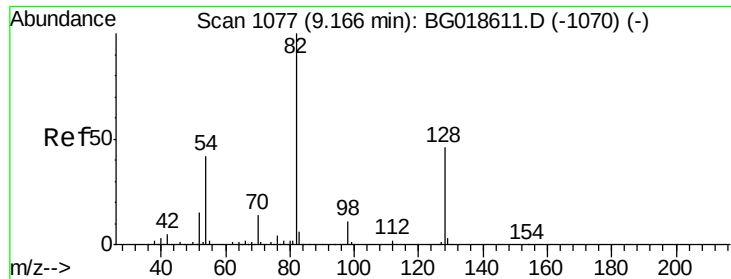
136 100

137 11.0 8.6 12.8

54 6.5 5.4 8.2

68 6.3 5.3 7.9

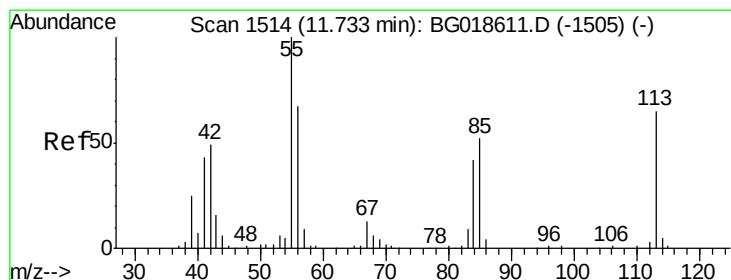
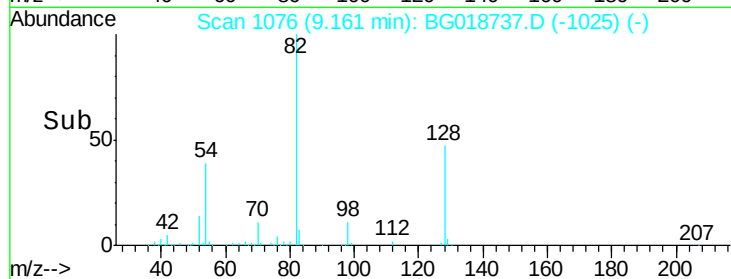
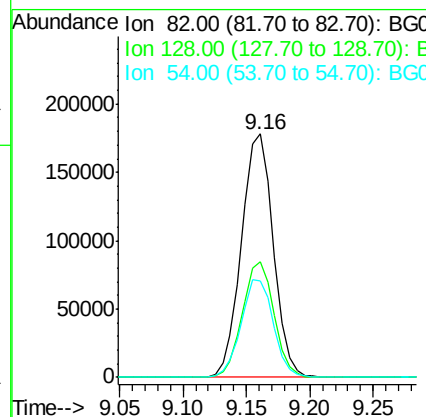
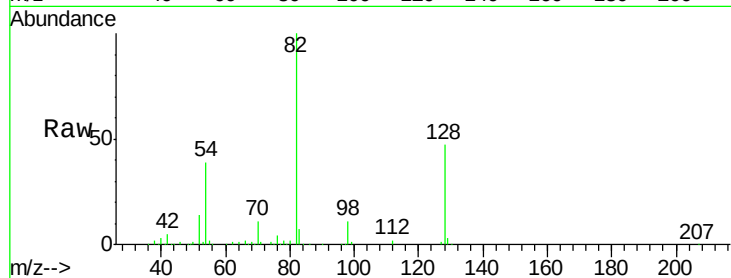




#23  
 Nitrobenzene-d5  
 Concen: 92.65 ng  
 RT: 9.16 min Scan# 1076  
 Delta R.T. -0.00 min  
 Lab File: BG018737.D  
 Acq: 17 Sep 2015 14:16

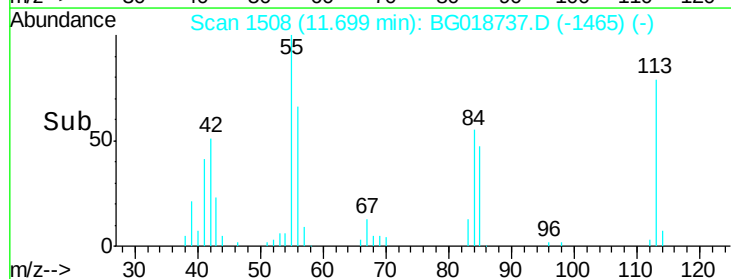
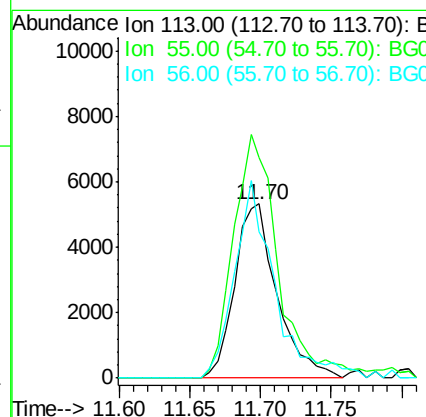
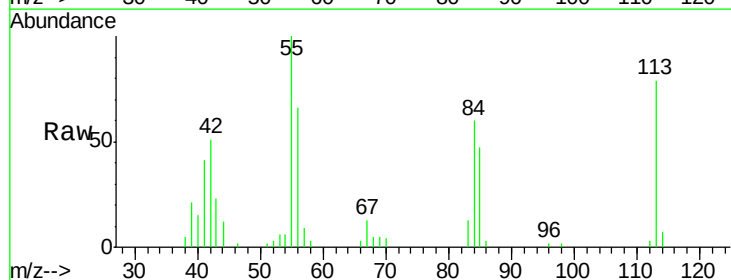
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS043031

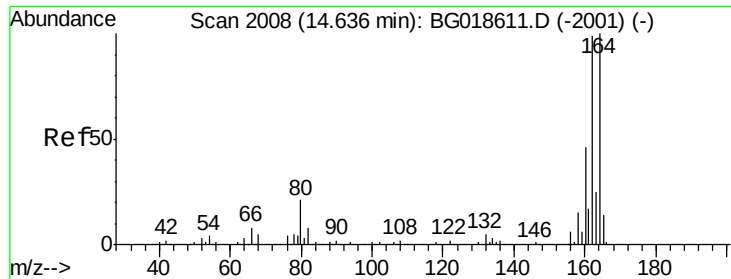
Tot Ion: 82 Resp: 310273  
 Ion Ratio Lower Upper  
 82 100  
 128 47.3 36.7 55.1  
 54 39.4 33.8 50.8



#35  
 Caprolactam  
 Concen: 8.51 ng  
 RT: 11.70 min Scan# 1508  
 Delta R.T. -0.05 min  
 Lab File: BG018737.D  
 Acq: 17 Sep 2015 14:16

Tgt Ion: 113 Resp: 11144  
 Ion Ratio Lower Upper  
 113 100  
 55 126.5 135.0 175.0#  
 56 84.0 83.4 123.4

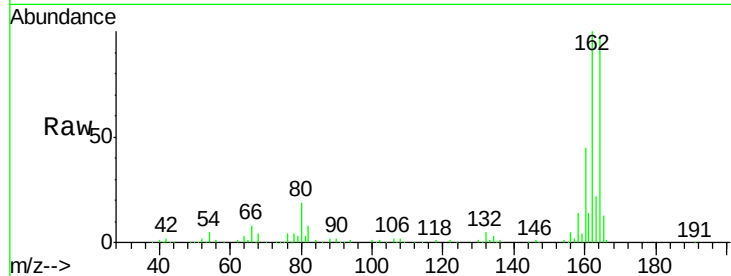




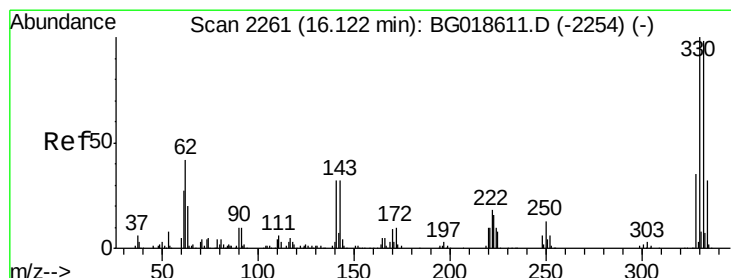
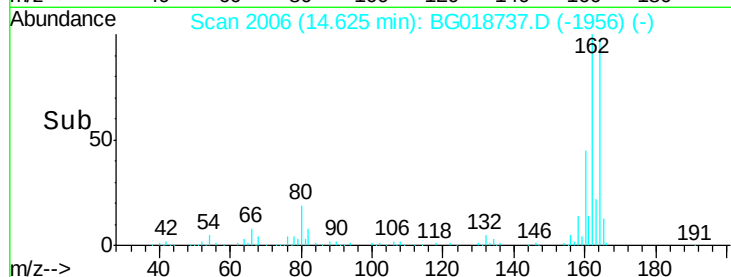
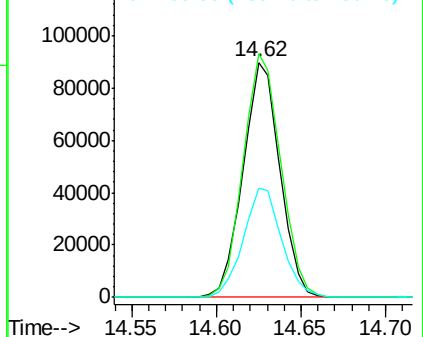
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.62 min Scan# 2006  
Delta R.T. -0.01 min  
Lab File: BG018737.D  
Acq: 17 Sep 2015 14:16

Instrument :  
BNA\_G  
ClientSampleId :  
CPS043031

Tot Ion:164 Resp: 135919  
Ion Ratio Lower Upper  
164 100  
162 103.6 78.8 118.2  
160 46.4 36.4 54.6

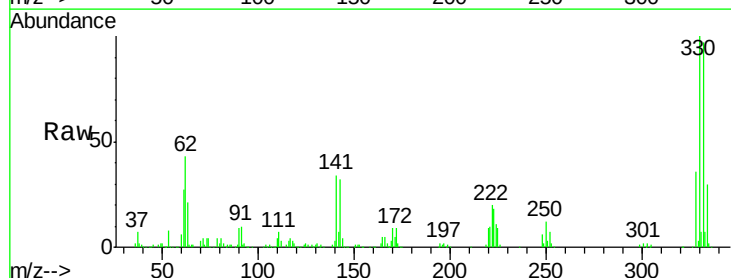


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

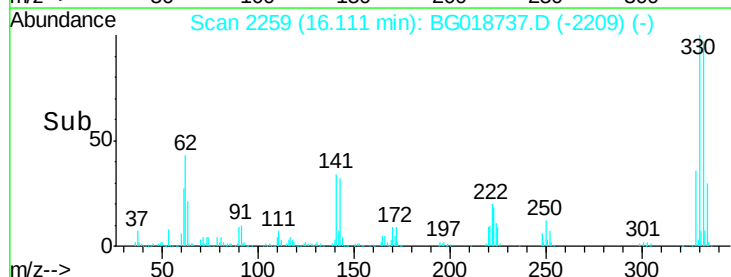
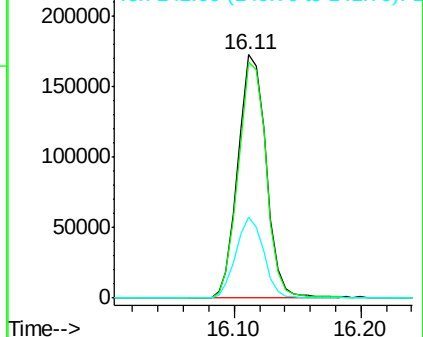


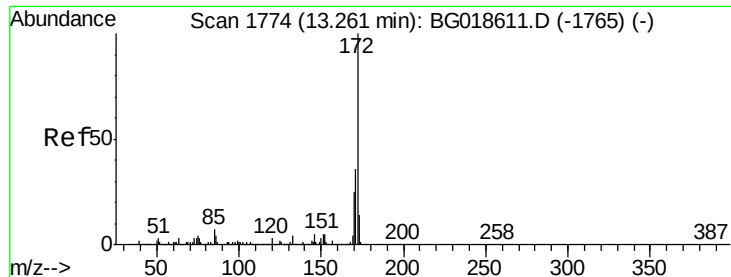
#41  
2,4,6-Tribromophenol  
Concen: 144.85 ng  
RT: 16.11 min Scan# 2259  
Delta R.T. -0.01 min  
Lab File: BG018737.D  
Acq: 17 Sep 2015 14:16

Tgt Ion:330 Resp: 265102  
Ion Ratio Lower Upper  
330 100  
332 96.6 78.1 117.1  
141 33.1 28.2 42.2



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

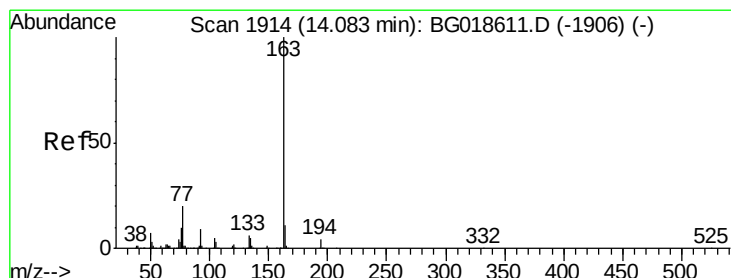
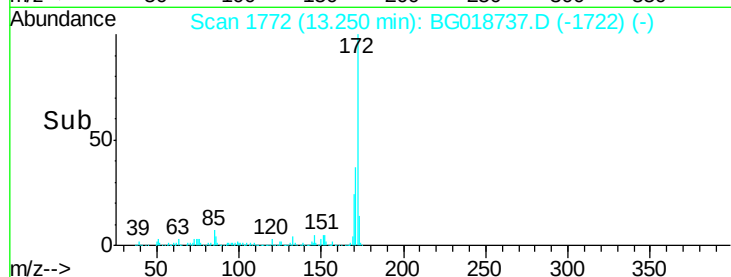
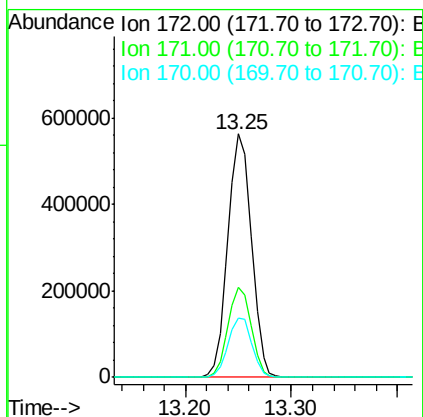
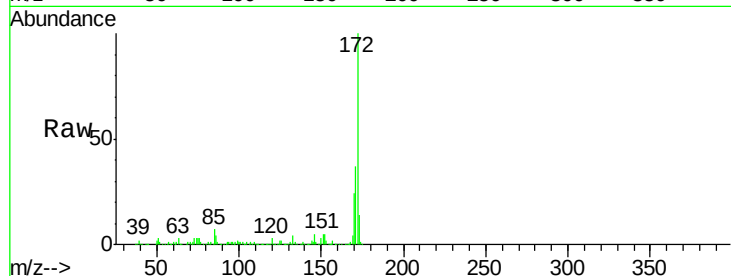




#44  
2-Fluorobiphenyl  
Concen: 88.88 ng  
RT: 13.25 min Scan# 1772  
Delta R.T. -0.01 min  
Lab File: BG018737.D  
Acq: 17 Sep 2015 14:16

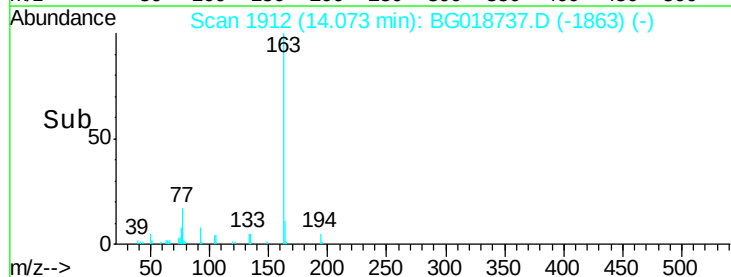
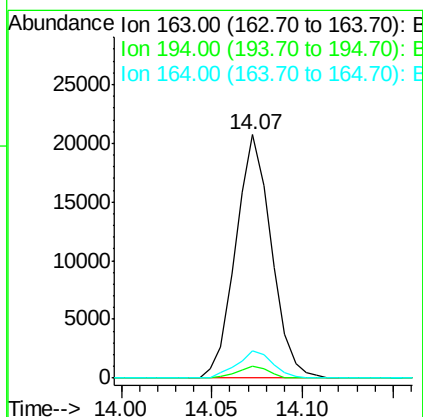
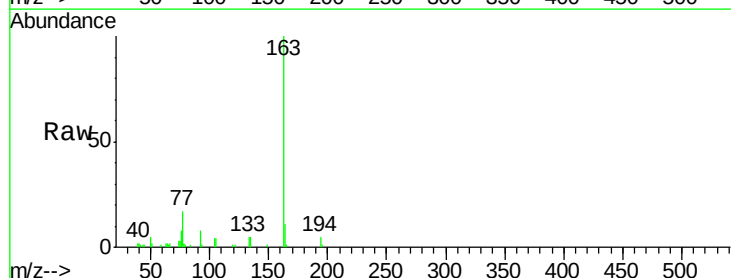
Instrument :  
BNA\_G  
ClientSampleId :  
CPS043031

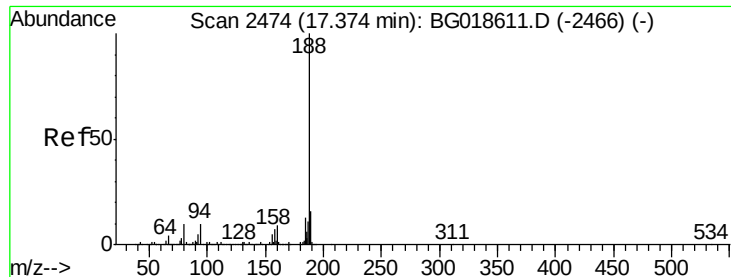
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.0  | 43.6  |
| 170     | 24.3  | 19.9  | 29.9  |



#49  
Dimethylphthalate  
Concen: 2.52 ng  
RT: 14.07 min Scan# 1912  
Delta R.T. -0.01 min  
Lab File: BG018737.D  
Acq: 17 Sep 2015 14:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.0   | 3.1   | 4.7#  |
| 164     | 11.0  | 8.8   | 13.2  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.37 min Scan# 2473

Delta R.T. -0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

Instrument :

BNA\_G

ClientSampleId :

CPS043031

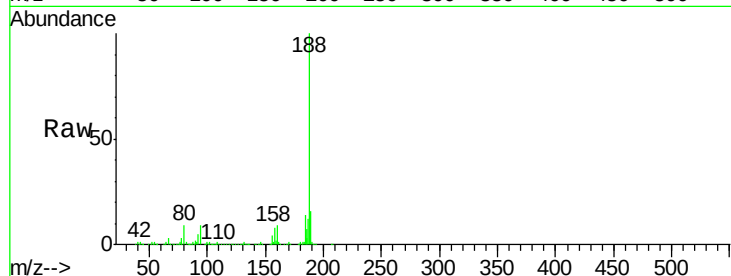
Tot Ion:188 Resp: 369688

Ion Ratio Lower Upper

188 100

94 9.3 7.7 11.5

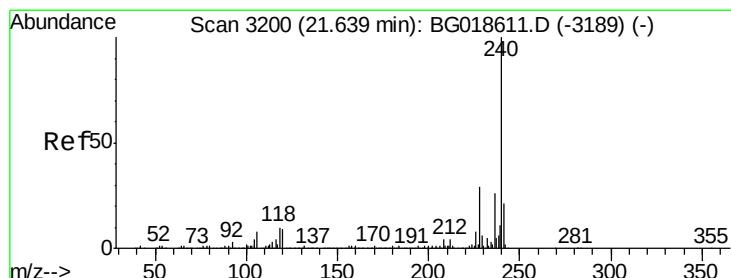
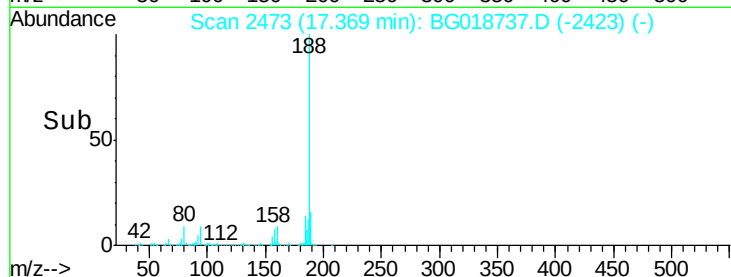
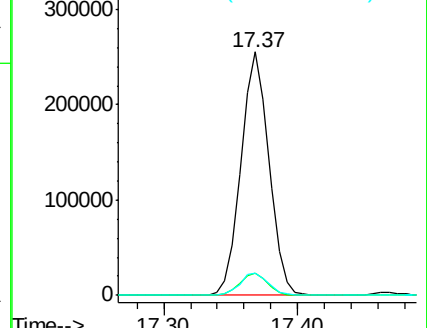
80 9.0 7.8 11.8



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: 21.63 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

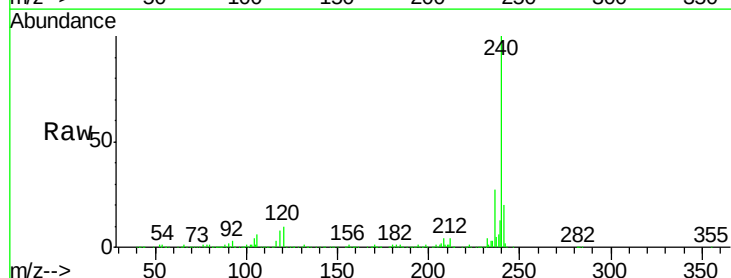
Tgt Ion:240 Resp: 405416

Ion Ratio Lower Upper

240 100

120 10.0 7.4 11.0

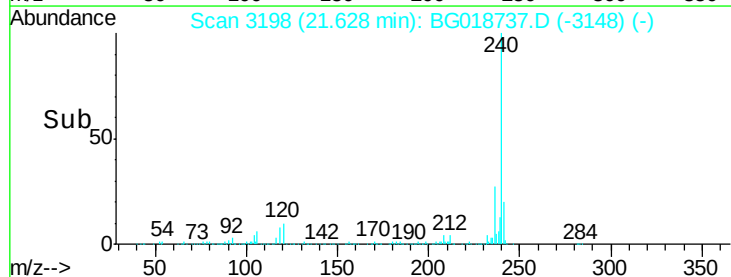
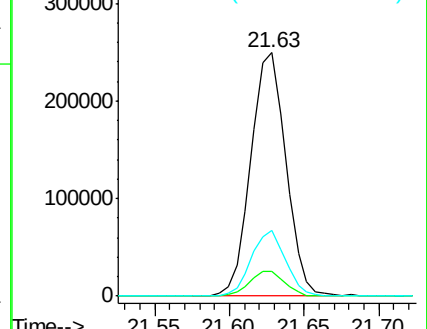
236 26.9 20.7 31.1



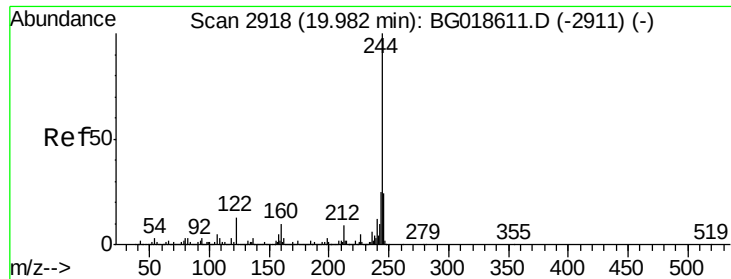
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 81.04 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

Instrument :

BNA\_G

ClientSampleId :

CPS043031

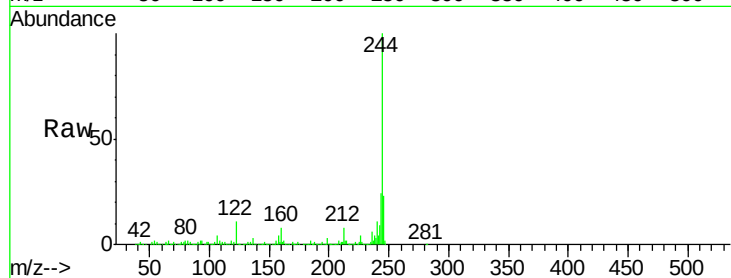
Tot Ion:244 Resp: 1251130

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

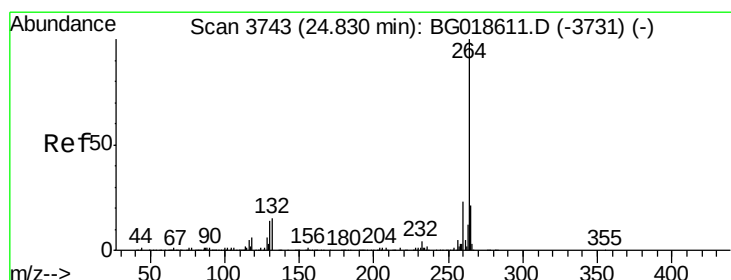
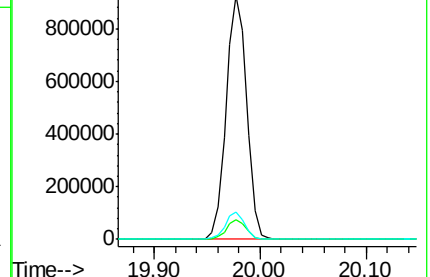
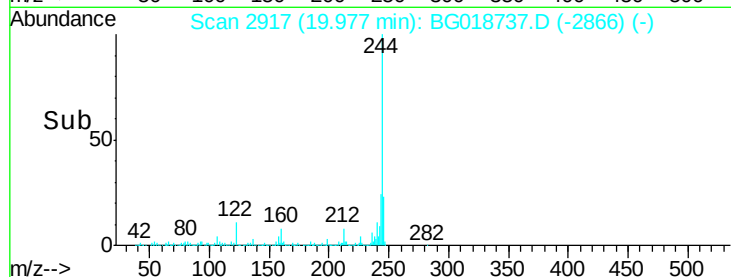
122 11.4 10.2 15.2



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: 24.81 min Scan# 3740

Delta R.T. -0.01 min

Lab File: BG018737.D

Acq: 17 Sep 2015 14:16

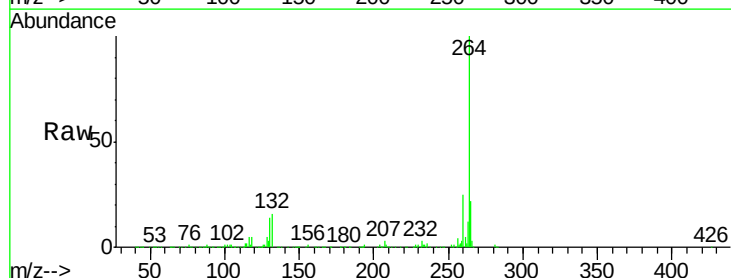
Tgt Ion:264 Resp: 400184

Ion Ratio Lower Upper

264 100

260 25.1 18.5 27.7

265 22.4 17.2 25.8



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

