

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\  
 Data File : BF097730.D  
 Acq On : 16 Aug 2017 10:08  
 Operator : SJ/JU  
 Sample : I4703-06  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-G9-WSW-PL

Quant Time: Aug 16 12:20:13 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

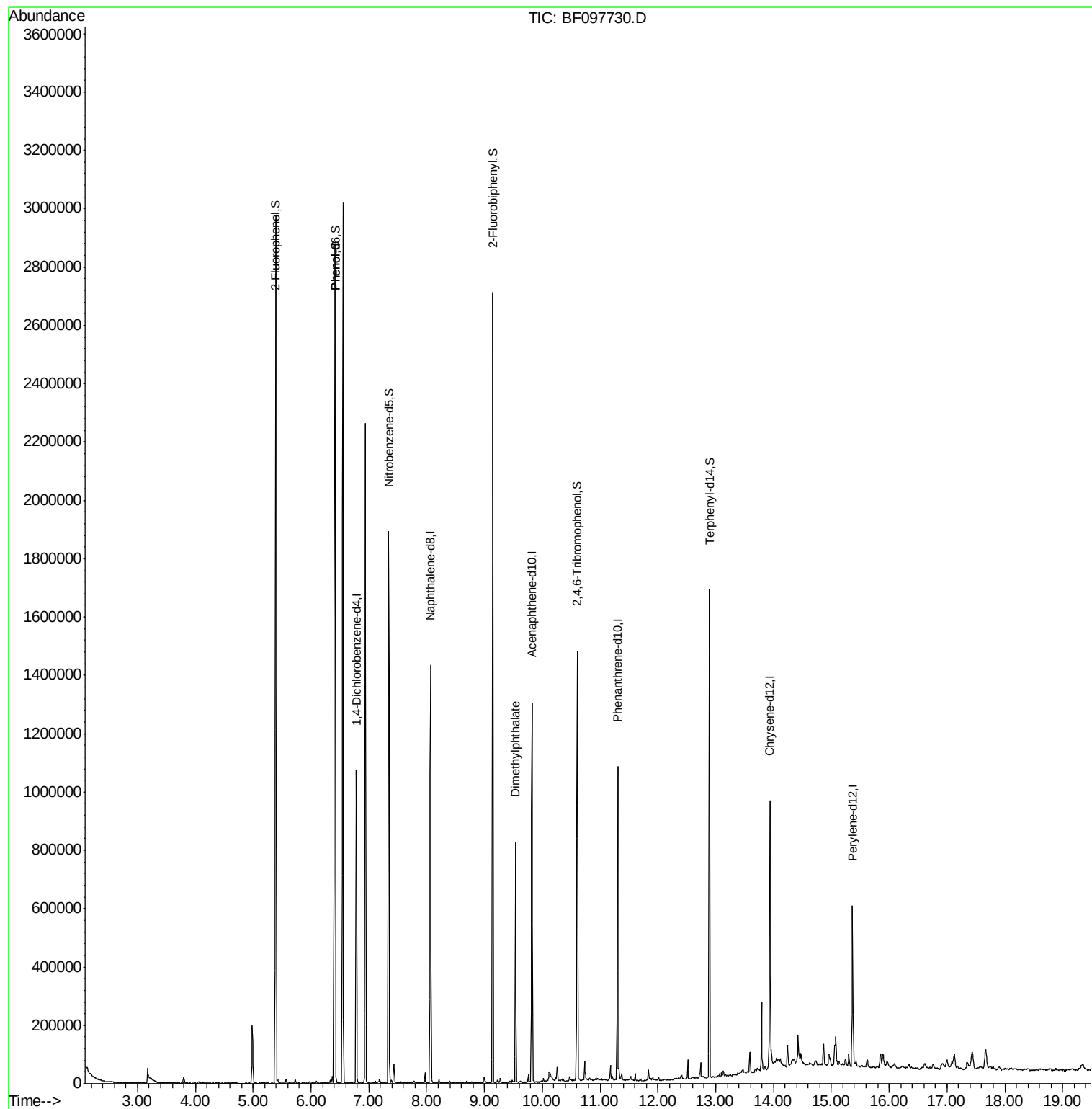
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 140416   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 552843   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.82  | 164  | 221482   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 342455   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.94 | 240  | 300533   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.37 | 264  | 229692   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 836717   | 90.64  | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 1114697  | 88.87  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 649884   | 63.86  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 140966   | 73.35  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 737328   | 48.91  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.89 | 244  | 471959   | 32.75  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.42  | 94   | 39433    | 2.688  | ng    | 92       |
| 49) Dimethylphthalate       | 9.54  | 163  | 249307   | 15.399 | ng    | 99       |

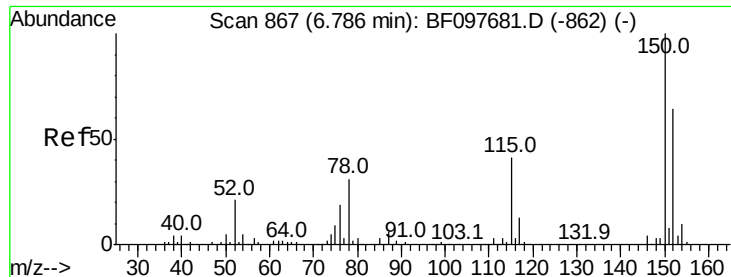
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Instrument :

BNA\_F

ClientSampleId :

E2-G9-WSW-PL

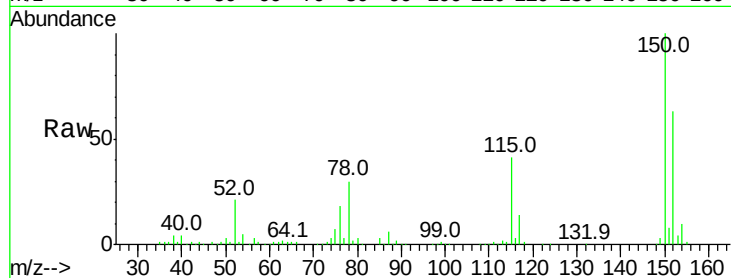
Tot Ion:152 Resp: 140416

Ion Ratio Lower Upper

152 100

150 158.8 126.2 189.2

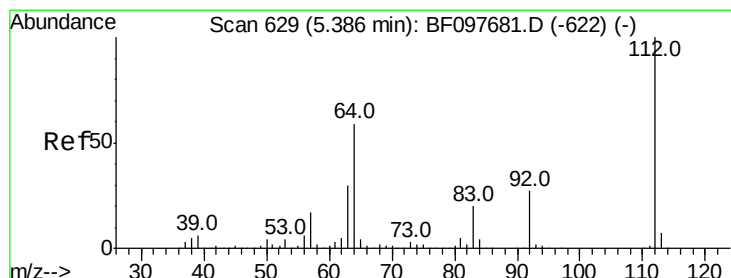
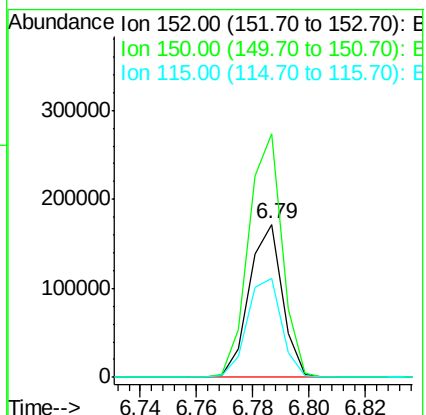
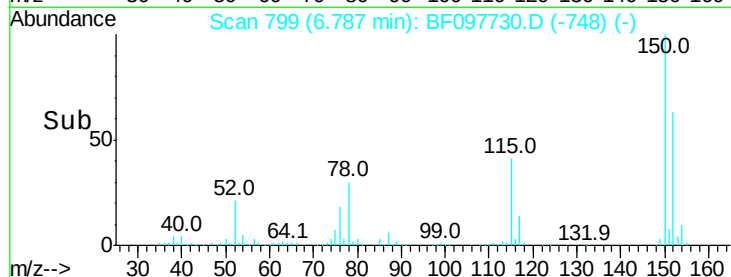
115 64.7 52.2 78.2



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: 90.638 ng

RT: 5.39 min Scan# 562

Delta R.T. 0.01 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

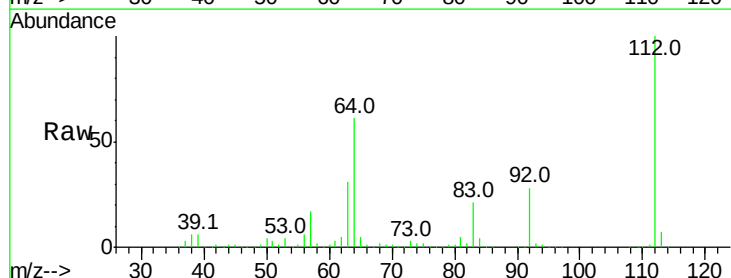
Tgt Ion:112 Resp: 836717

Ion Ratio Lower Upper

112 100

64 61.0 46.0 69.0

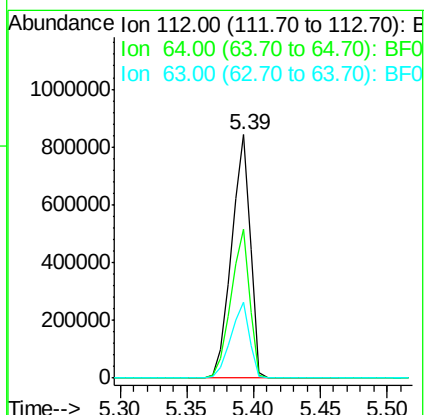
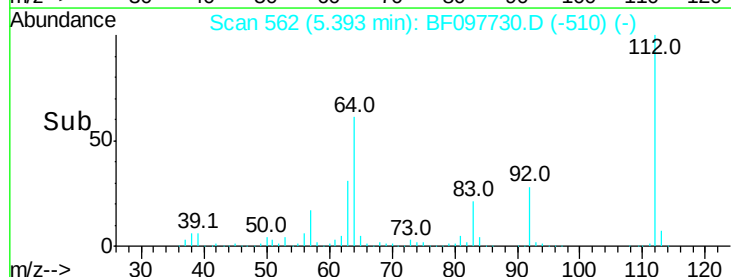
63 31.4 23.4 35.0

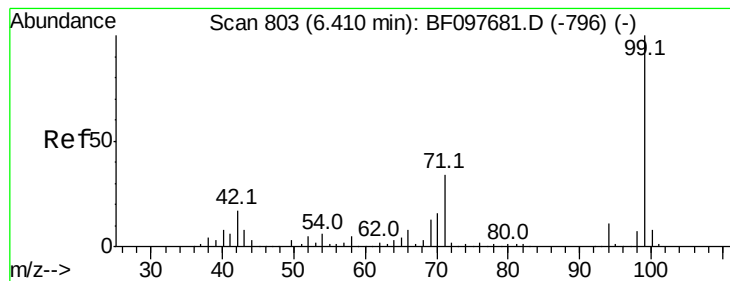


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 88.872 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Instrument :

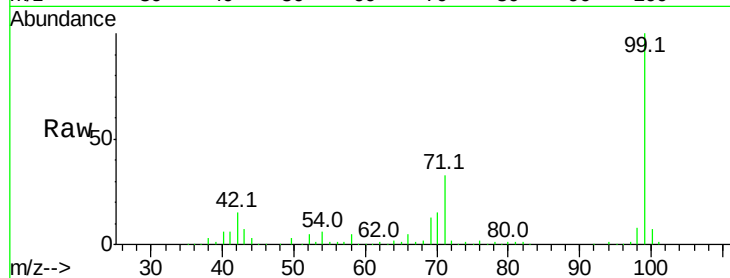
BNA\_F

ClientSampleId :

E2-G9-WSW-PL

Tot Ion: 99 Resp: 1114697

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 15.3  | 13.5  | 20.3  |
| 71  | 32.7  | 24.5  | 36.7  |

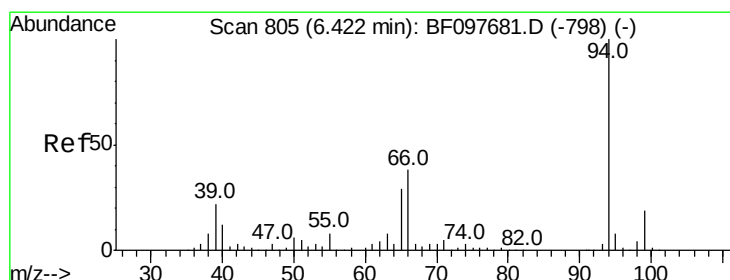
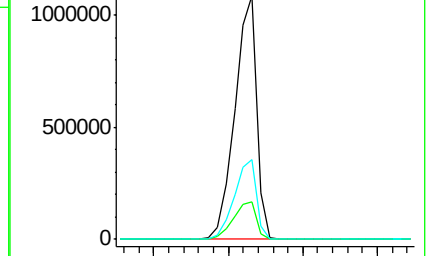
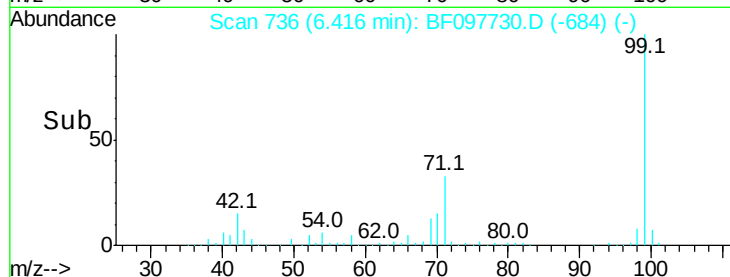


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.688 ng

RT: 6.42 min Scan# 737

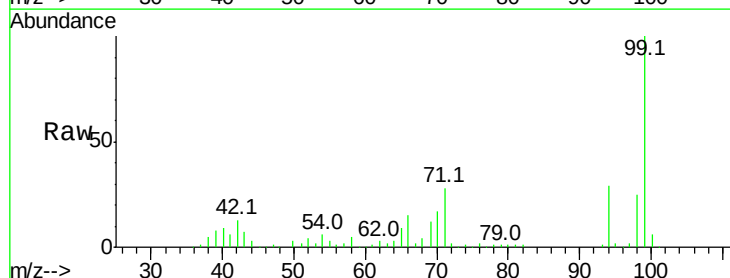
Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Tgt Ion: 94 Resp: 39433

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 32.2  | 9.9   | 49.9  |
| 66  | 50.4  | 23.1  | 63.1  |

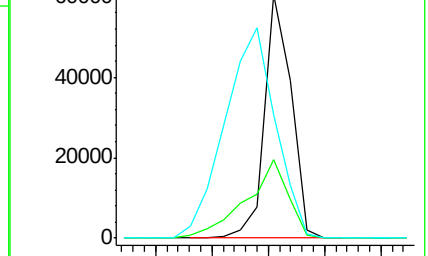
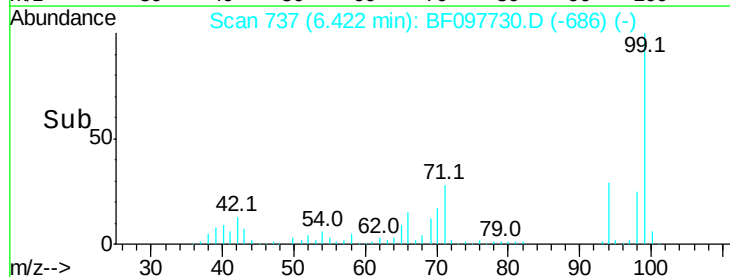


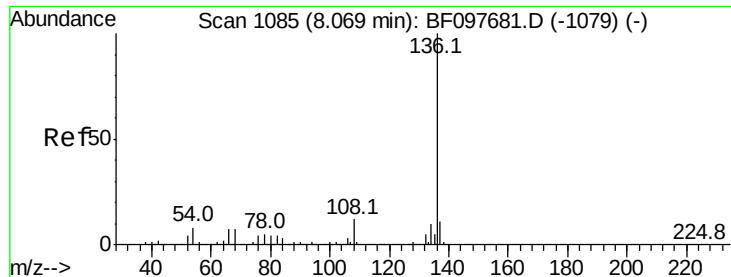
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Instrument :

BNA\_F

ClientSampleId :

E2-G9-WSW-PL

Tot Ion:136 Resp: 552843

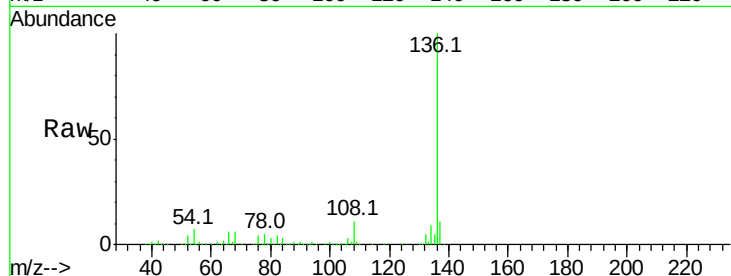
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3#

68 6.5 4.1 6.1#

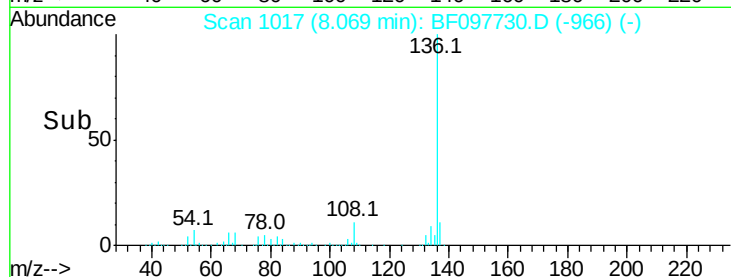


Abundance Ion 136.00 (135.70 to 136.70): E

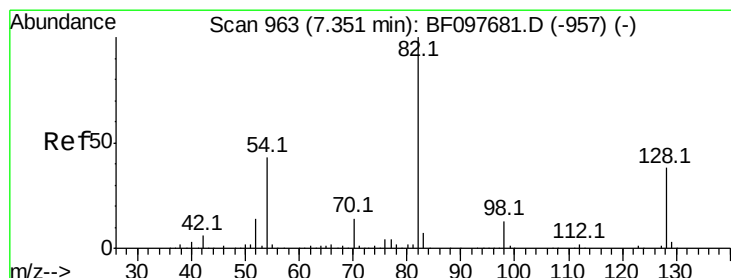
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.05 8.10



#23

Nitrobenzene-d5

Concen: 63.860 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

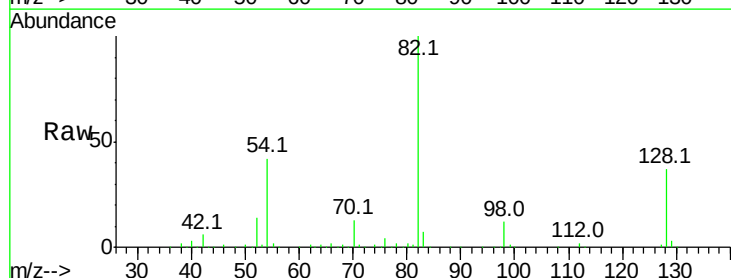
Tgt Ion: 82 Resp: 649884

Ion Ratio Lower Upper

82 100

128 36.9 34.0 51.0

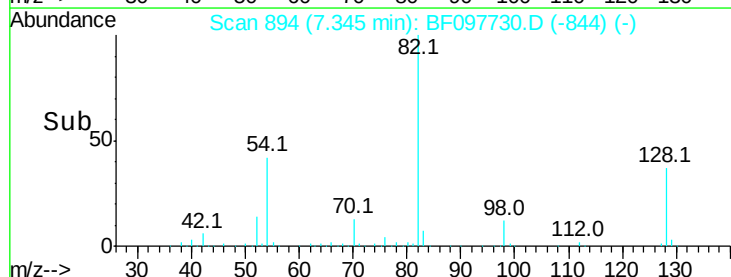
54 42.5 42.2 63.2



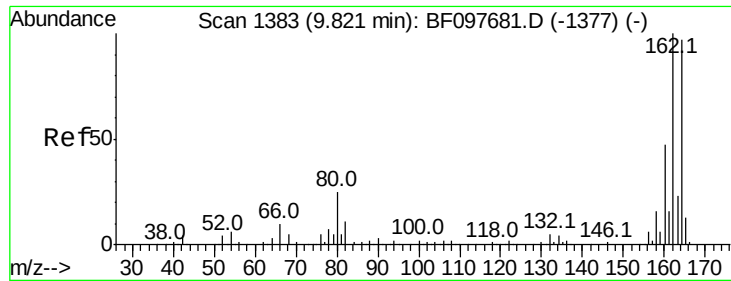
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



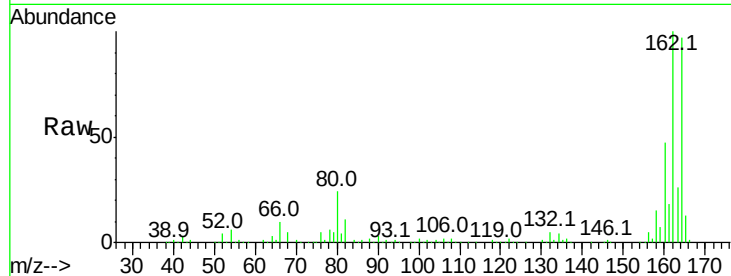
Time--> 7.30 7.35 7.40



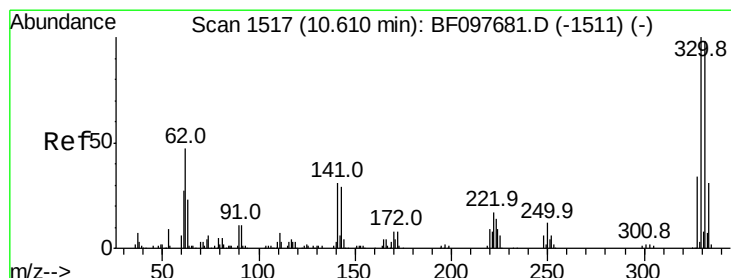
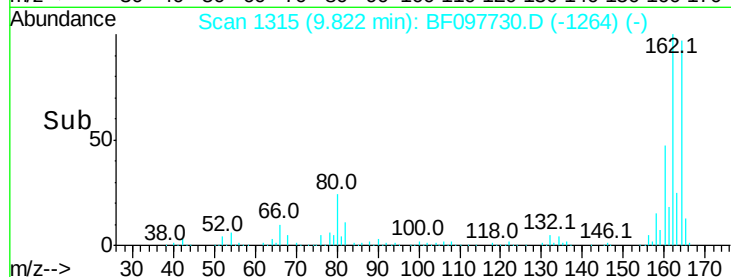
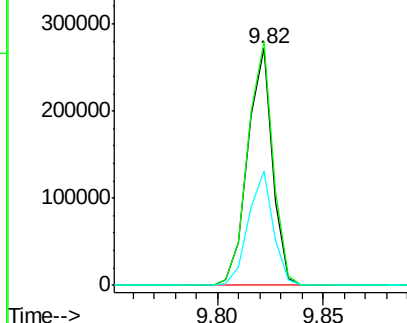
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.00 min  
Lab File: BF097730.D  
Acq: 16 Aug 2017 10:08

Instrument :  
BNA\_F  
ClientSampleId :  
E2-G9-WSW-PL

Tot Ion:164 Resp: 221482  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.6 123.8  
160 48.5 36.2 54.2

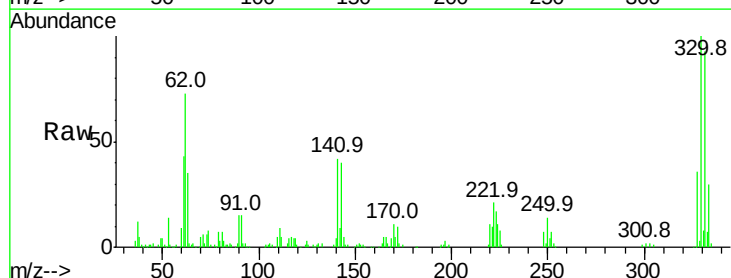


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

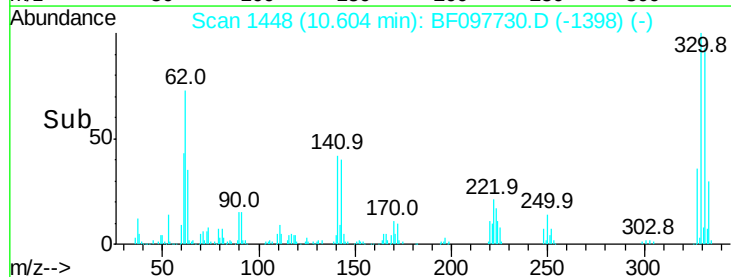
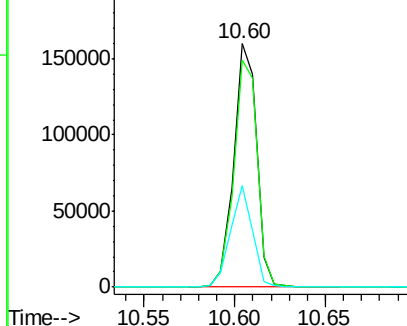


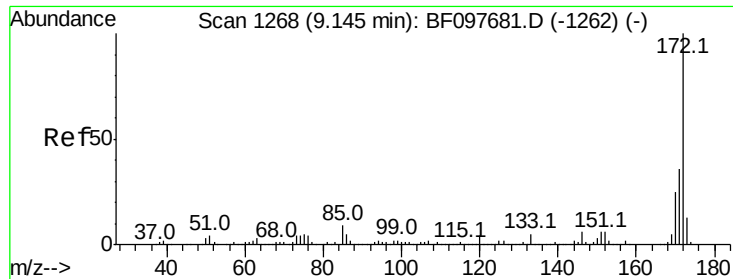
#41  
2,4,6-Tribromophenol  
Concen: 73.354 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.01 min  
Lab File: BF097730.D  
Acq: 16 Aug 2017 10:08

Tgt Ion:330 Resp: 140966  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.6 115.0  
141 40.1 31.4 47.2



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

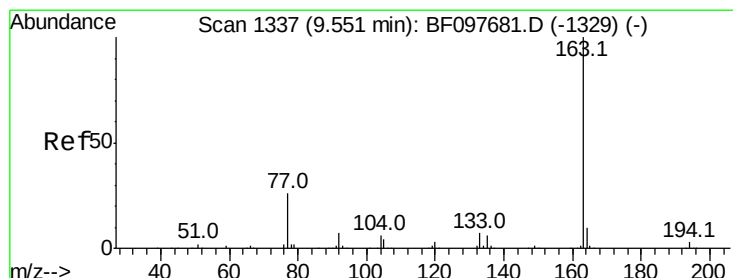
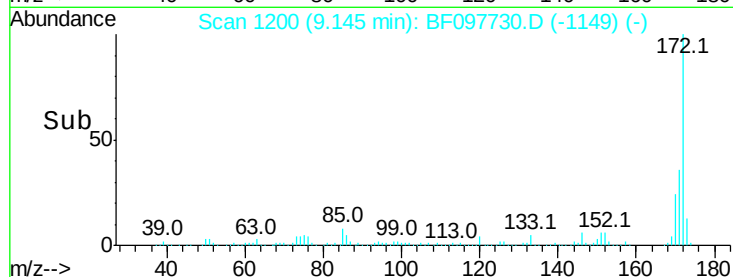
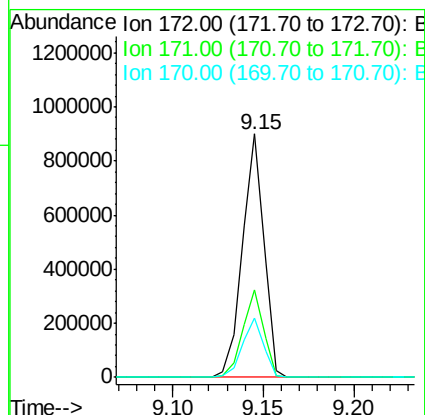
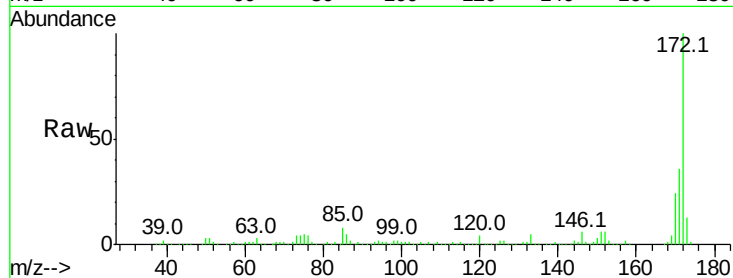




#44  
 2-Fluorobiphenyl  
 Concen: 48.911 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. 0.00 min  
 Lab File: BF097730.D  
 Acq: 16 Aug 2017 10:08

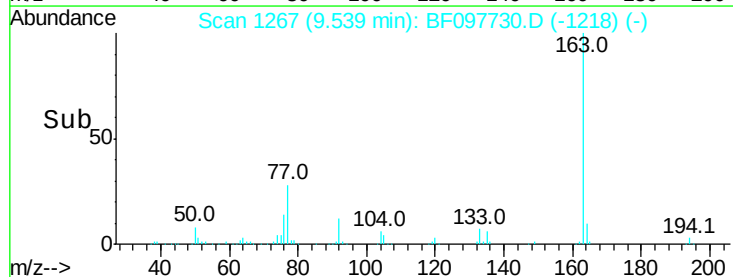
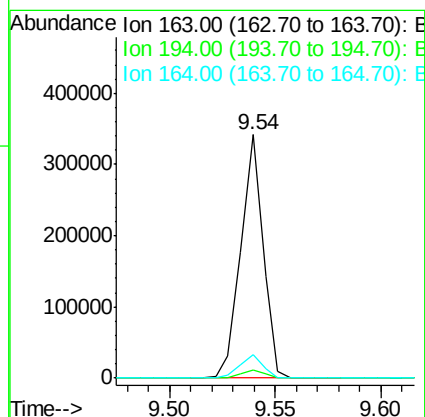
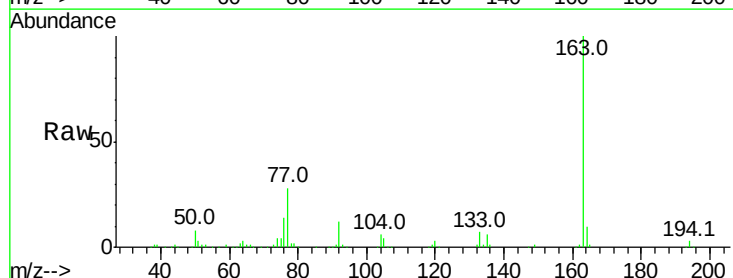
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-G9-WSW-PL

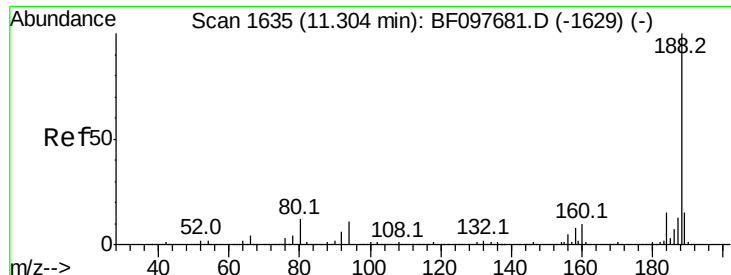
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.6  | 44.4  |
| 170     | 24.3  | 19.8  | 29.8  |



#49  
 Dimethylphthalate  
 Concen: 15.399 ng  
 RT: 9.54 min Scan# 1267  
 Delta R.T. -0.01 min  
 Lab File: BF097730.D  
 Acq: 16 Aug 2017 10:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.3   | 2.6   | 4.0   |
| 164     | 9.8   | 8.4   | 12.6  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Instrument :

BNA\_F

ClientSampleId :

E2-G9-WSW-PL

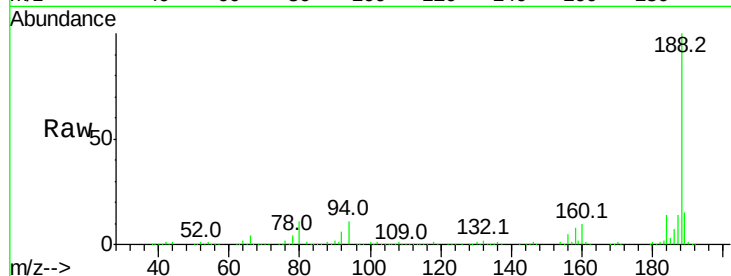
Tot Ion:188 Resp: 342455

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

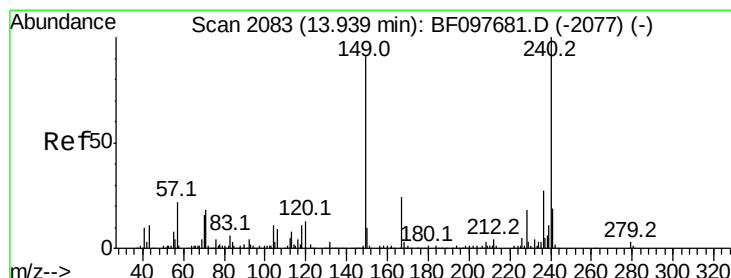
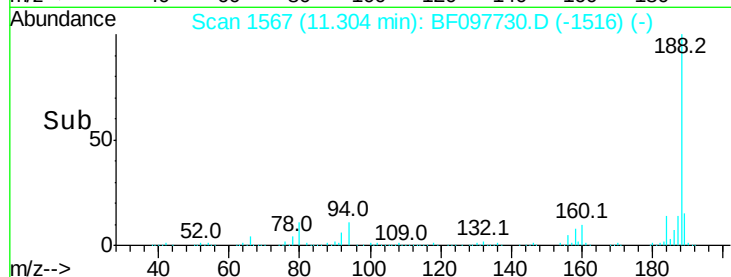
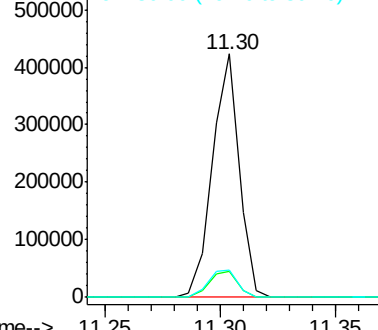
80 11.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

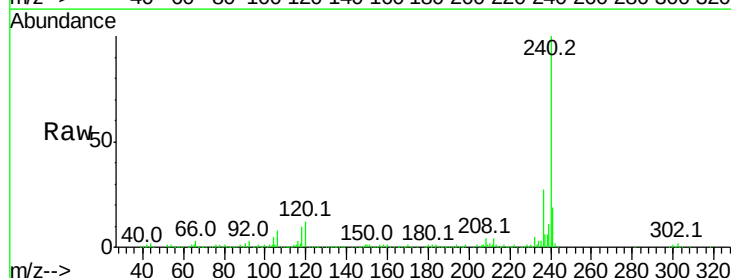
Tgt Ion:240 Resp: 300533

Ion Ratio Lower Upper

240 100

120 12.2 5.8 8.8#

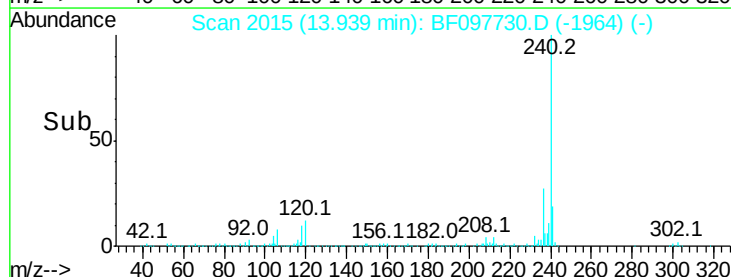
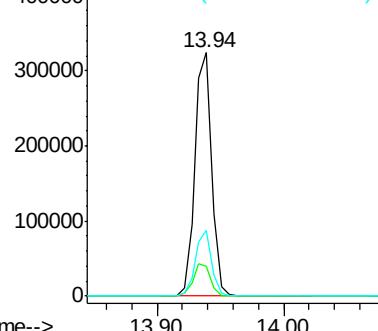
236 26.8 20.5 30.7



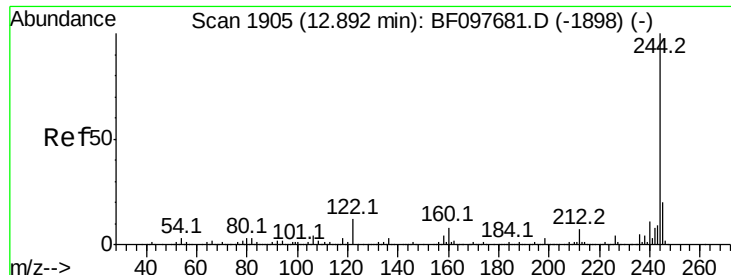
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 32.748 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

Instrument :

BNA\_F

ClientSampleId :

E2-G9-WSW-PL

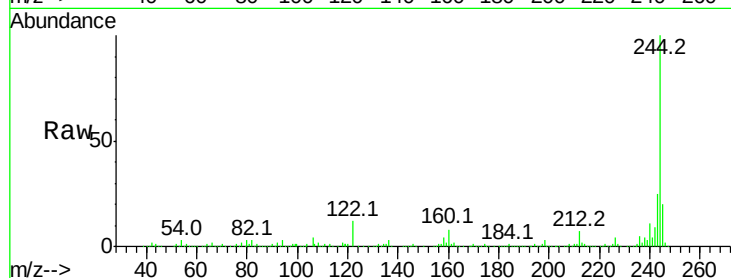
Tot Ion:244 Resp: 471959

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

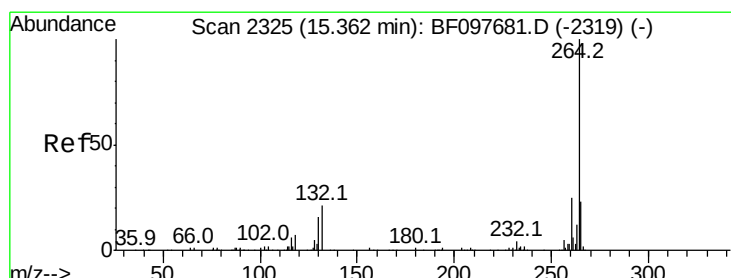
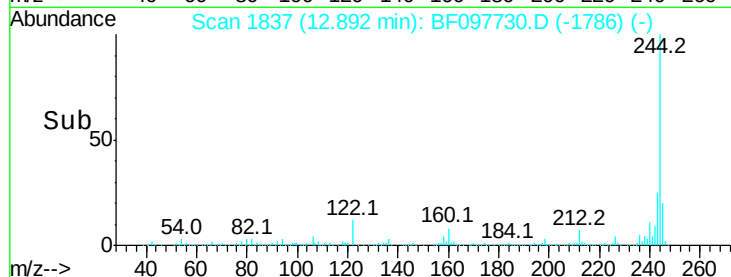
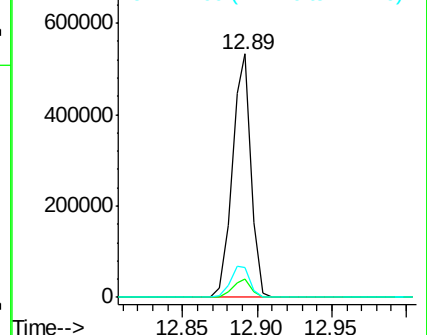
122 12.0 10.3 15.5



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: 20.000 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF097730.D

Acq: 16 Aug 2017 10:08

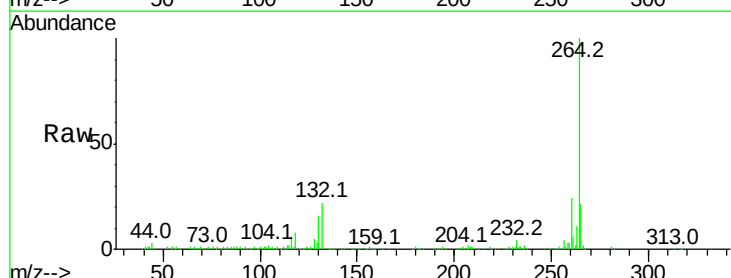
Tgt Ion:264 Resp: 229692

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.3 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

