

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
 Data File : BF086446.D  
 Acq On : 28 Apr 2016 1:53  
 Operator : UM/SJ  
 Sample : H2702-06  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

Quant Time: Apr 28 07:29:49 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

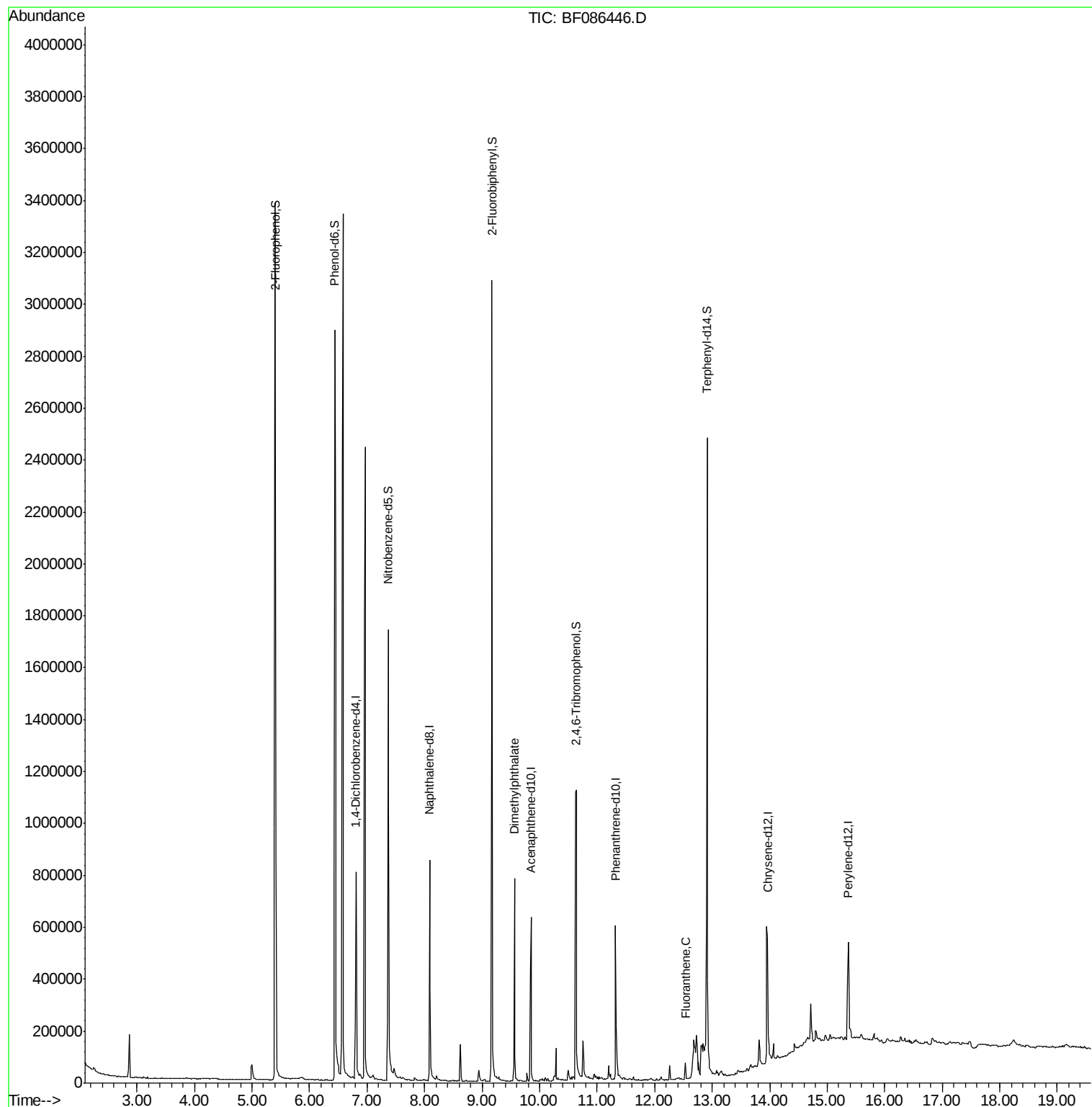
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.81  | 152  | 122834   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.09  | 136  | 434799   | 20.00  | ng    | -0.01         |
| 38) Acenaphthene-d10        | 9.85  | 164  | 157362   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 11.32 | 188  | 258370   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 13.96 | 240  | 287608   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 15.37 | 264  | 209181   | 20.00  | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.40  | 112  | 965554   | 135.59 | ng    | 0.01          |
| 7) Phenol-d6                | 6.44  | 99   | 1367553  | 137.59 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 771215   | 95.61  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 213344   | 128.56 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 1112038  | 140.43 | ng    | 0.00          |
| 78) Terphenyl-d14           | 12.91 | 244  | 762713   | 58.42  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.56  | 163  | 281957   | 23.80  | ng    | Qvalue<br>100 |
| 74) Fluoranthene            | 12.53 | 202  | 28055    | 2.05   | ng    | 96            |

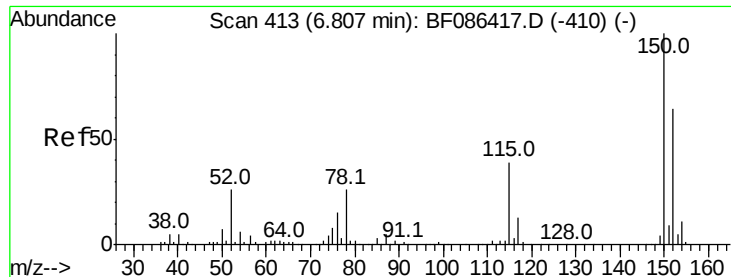
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

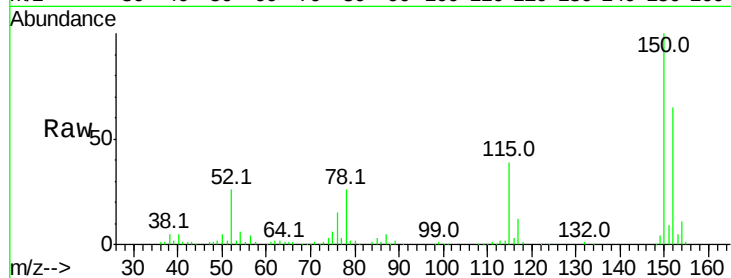
Tot Ion:152 Resp: 122834

Ion Ratio Lower Upper

152 100

150 153.6 125.8 188.6

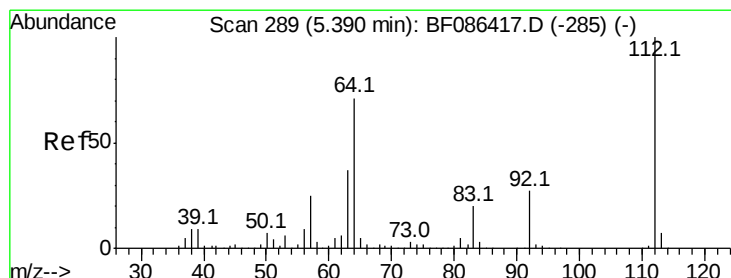
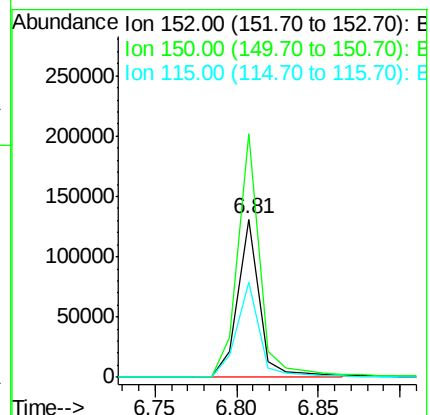
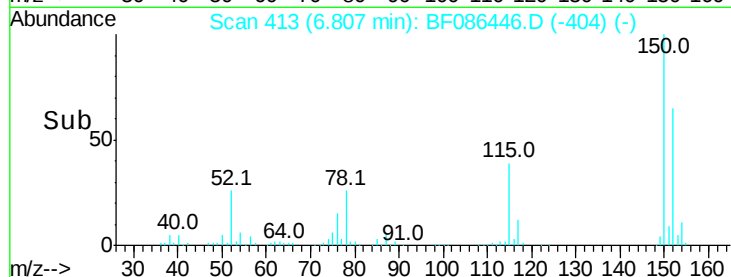
115 60.1 51.5 77.3



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: 135.59 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

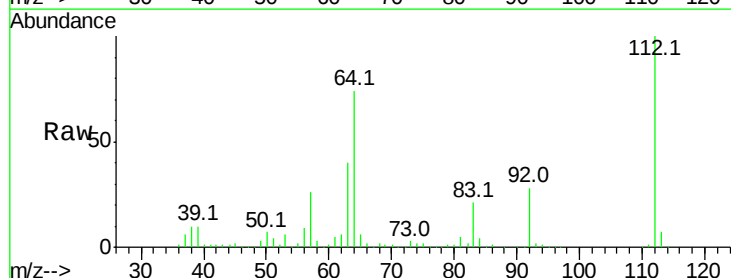
Tgt Ion:112 Resp: 965554

Ion Ratio Lower Upper

112 100

64 74.3 52.1 78.1

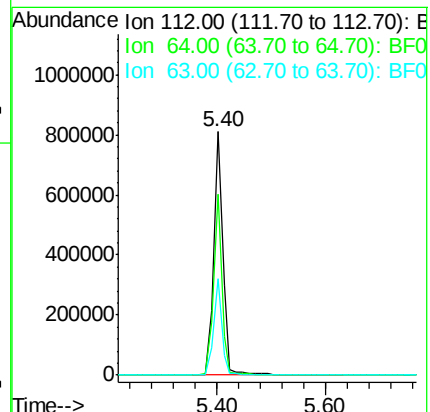
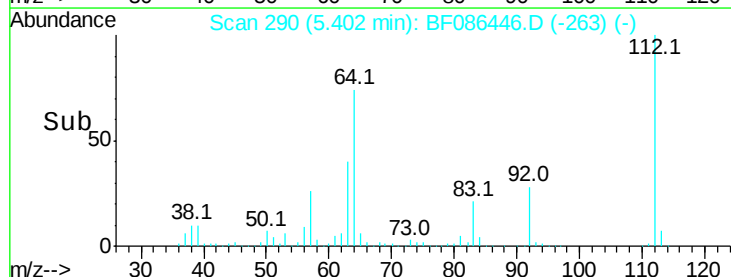
63 39.8 25.7 38.5#

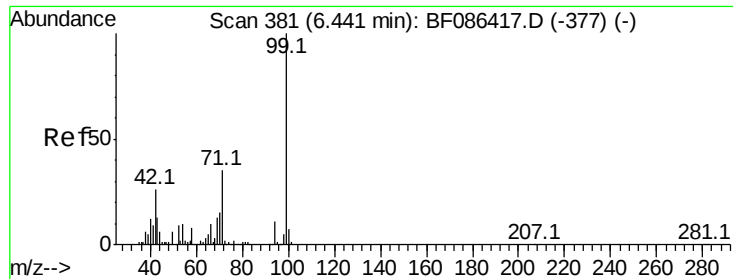


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.59 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

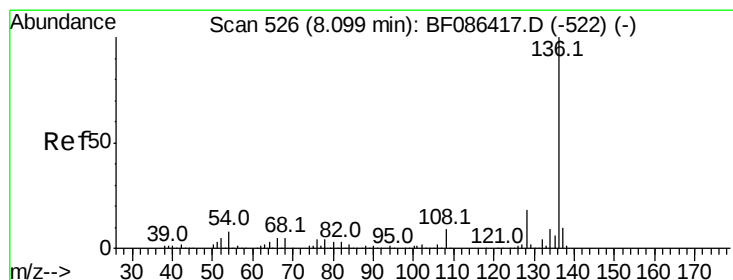
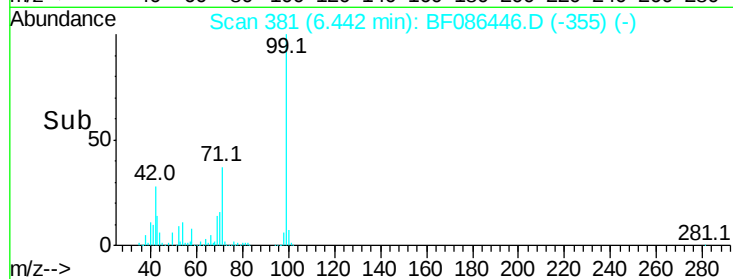
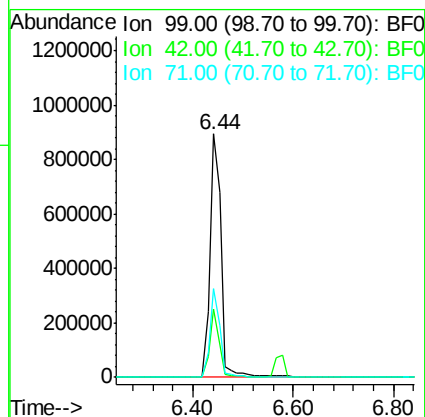
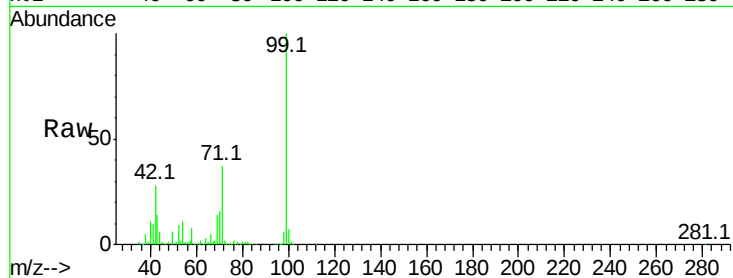
BNA\_F

ClientSampleId :

TEC-COMP-B1C

Tot Ion: 99 Resp: 1367553

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.1  | 13.6  | 20.4# |
| 71  | 36.6  | 24.6  | 36.8  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

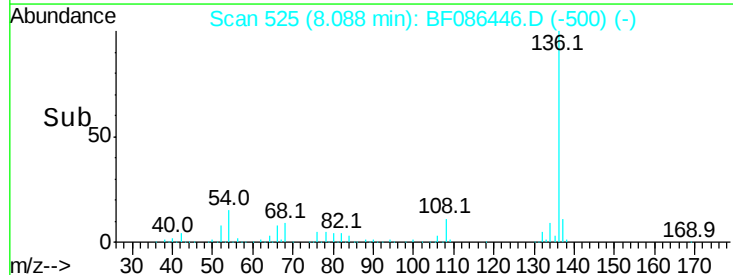
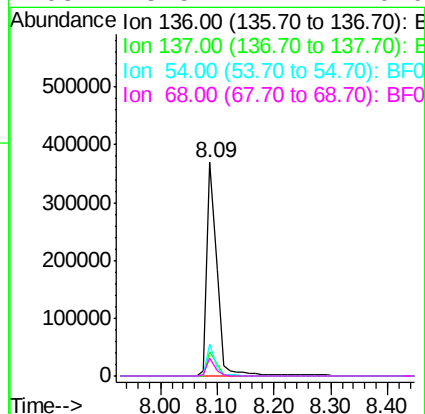
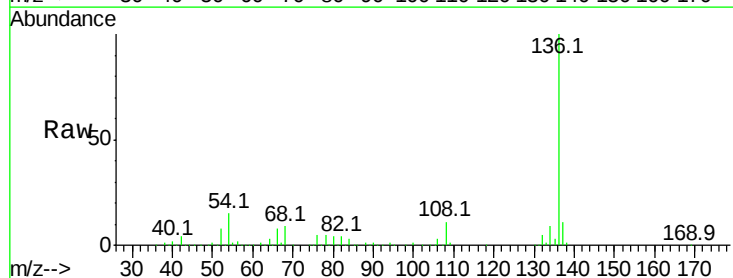
Delta R.T. -0.01 min

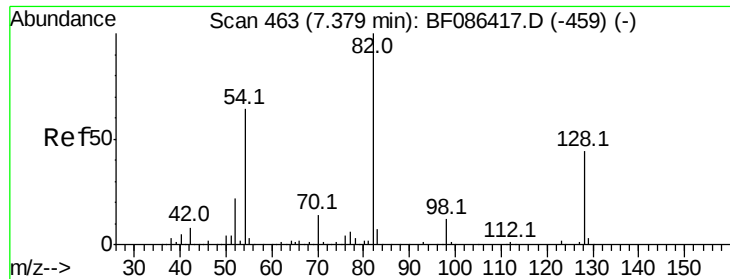
Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Tgt Ion: 136 Resp: 434799

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.8   | 13.2  |
| 54  | 15.0  | 5.0   | 7.4#  |
| 68  | 8.5   | 4.4   | 6.6#  |

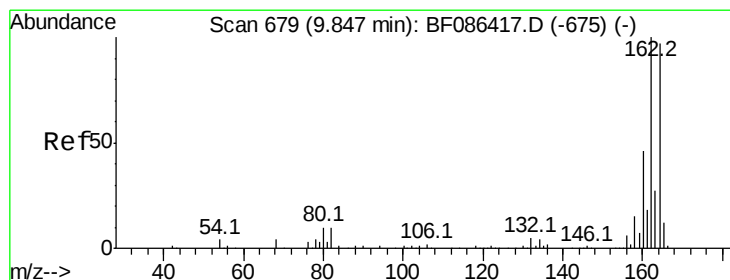
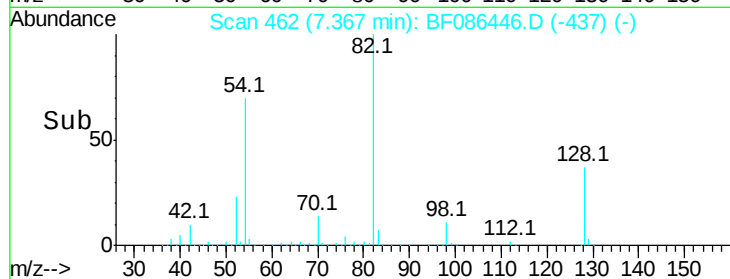
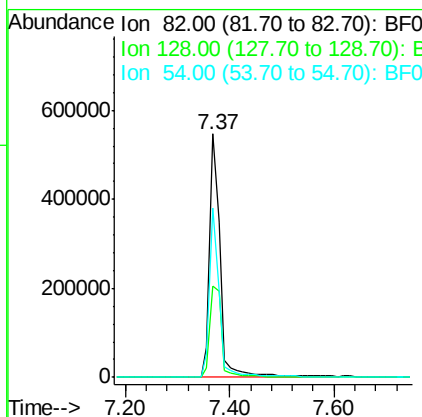
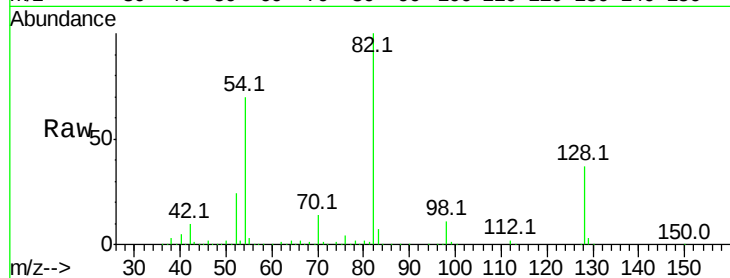




#23  
 Nitrobenzene-d5  
 Concen: 95.61 ng  
 RT: 7.37 min Scan# 462  
 Delta R.T. -0.01 min  
 Lab File: BF086446.D  
 Acq: 28 Apr 2016 1:53

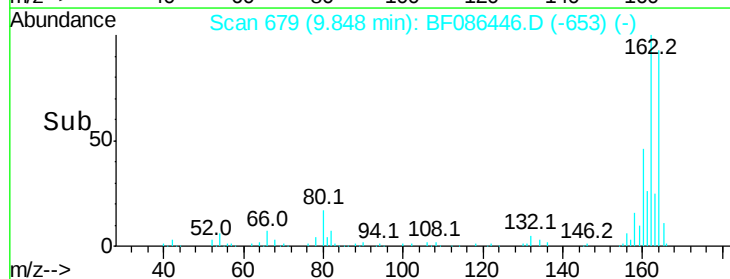
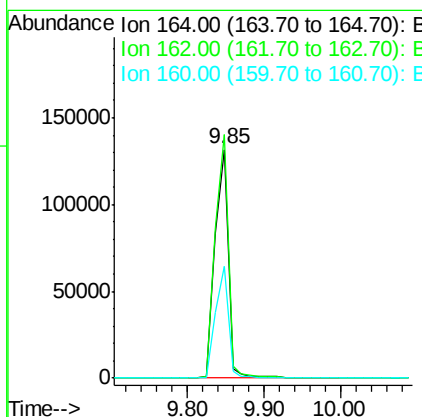
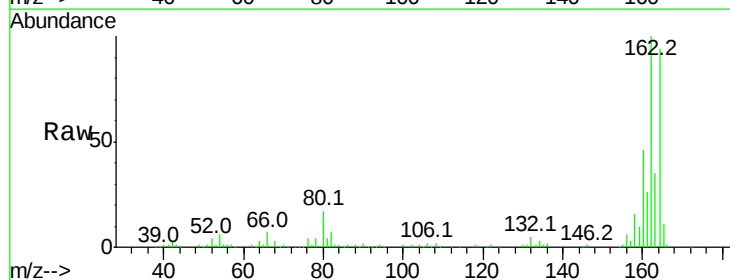
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

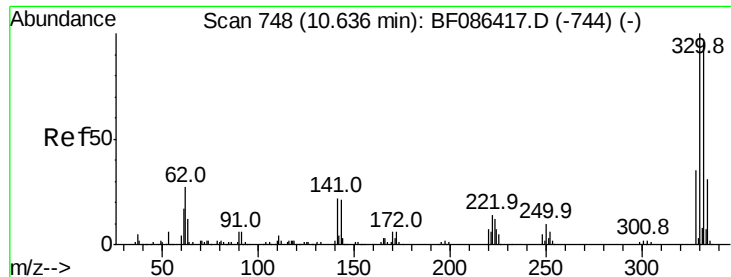
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.4  | 40.6  | 61.0# |
| 54      | 69.7  | 38.1  | 57.1# |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. 0.00 min  
 Lab File: BF086446.D  
 Acq: 28 Apr 2016 1:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.6 | 82.8  | 124.2 |
| 160     | 48.9  | 36.9  | 55.3  |

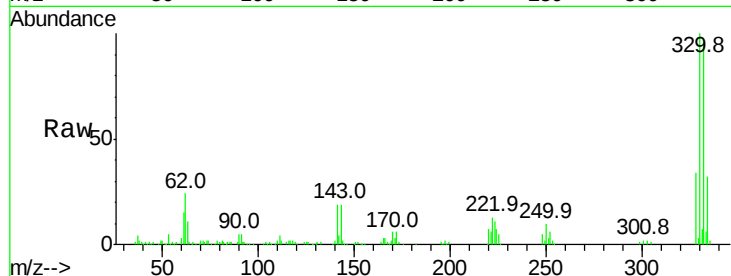




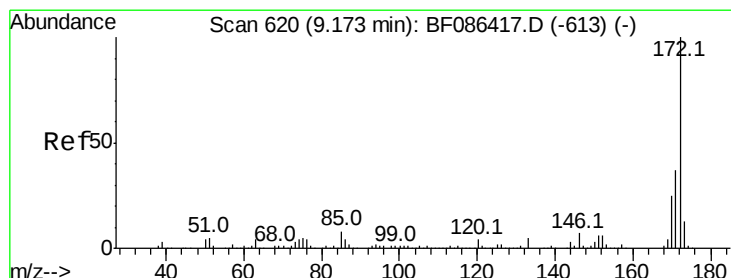
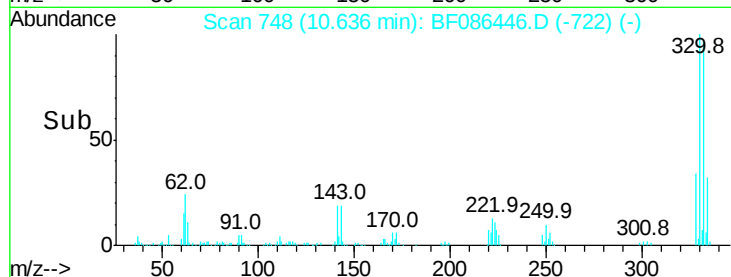
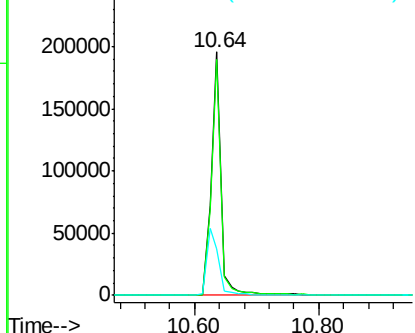
#41  
 2,4,6-Tribromophenol  
 Concen: 128.56 ng  
 RT: 10.64 min Scan# 748  
 Delta R.T. 0.00 min  
 Lab File: BF086446.D  
 Acq: 28 Apr 2016 1:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TEC-COMP-B1C

Tot Ion:330 Resp: 213344  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 79.0 118.4  
 141 33.7 31.2 46.8

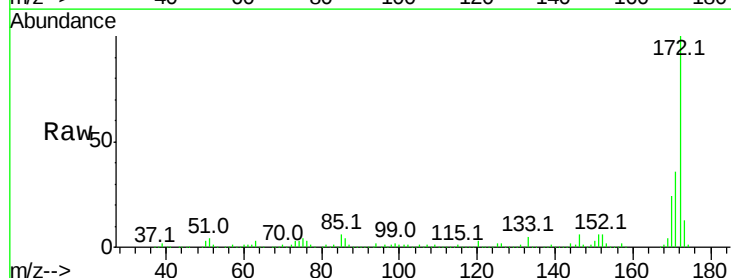


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

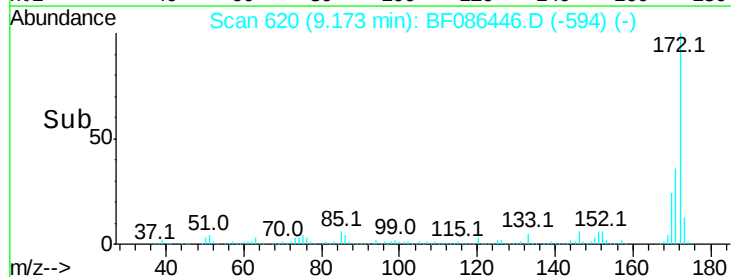
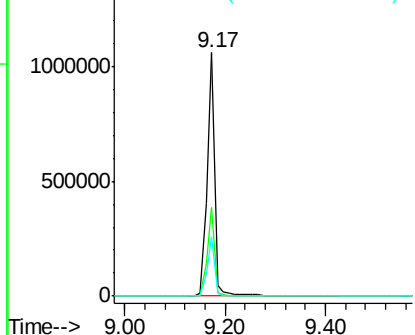


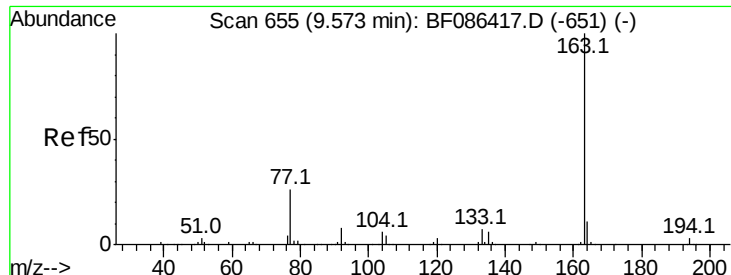
#44  
 2-Fluorobiphenyl  
 Concen: 140.43 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: BF086446.D  
 Acq: 28 Apr 2016 1:53

Tgt Ion:172 Resp: 1112038  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.0 43.6  
 170 24.3 19.8 29.8



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: 23.80 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

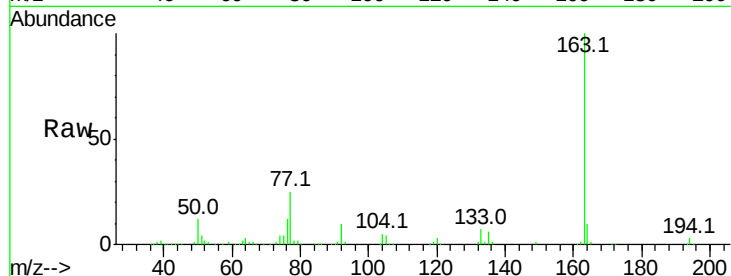
Tot Ion:163 Resp: 281957

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

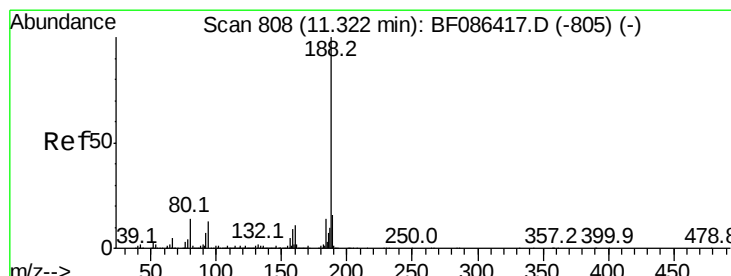
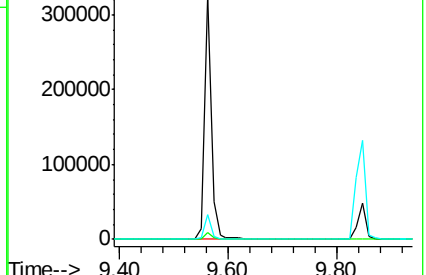
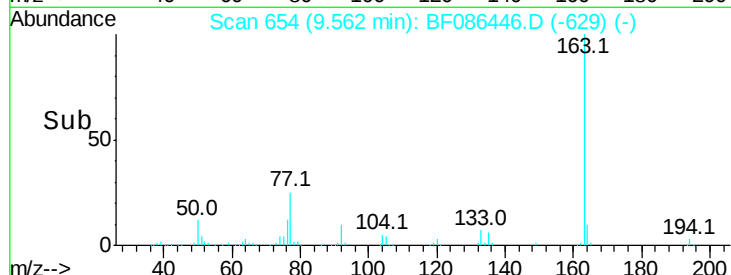
164 10.3 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

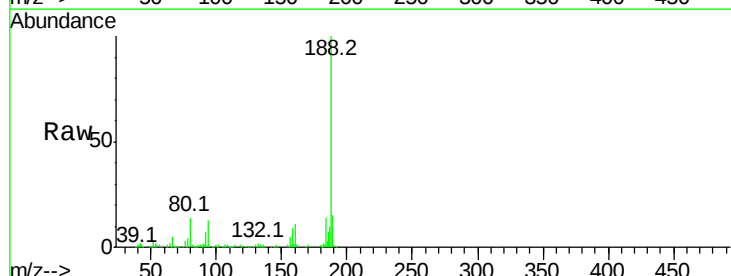
Tgt Ion:188 Resp: 258370

Ion Ratio Lower Upper

188 100

94 13.2 6.8 10.2#

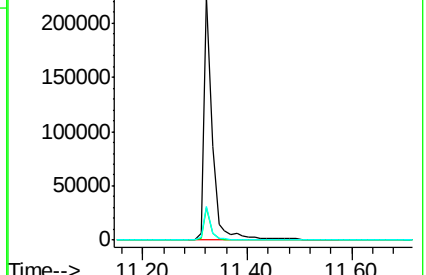
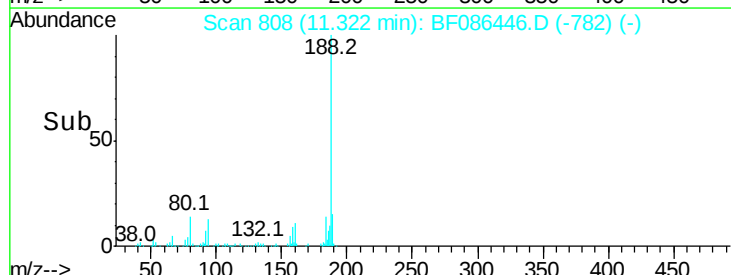
80 13.6 7.1 10.7#

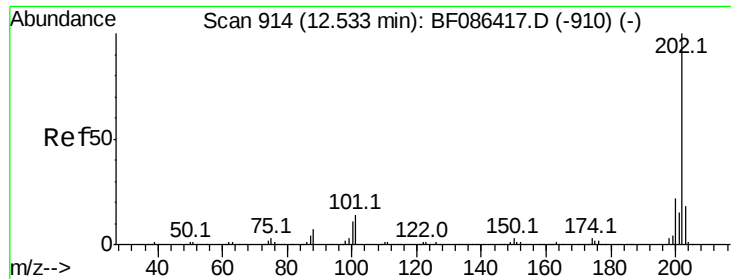


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.05 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

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ClientSampleId :

TEC-COMP-B1C

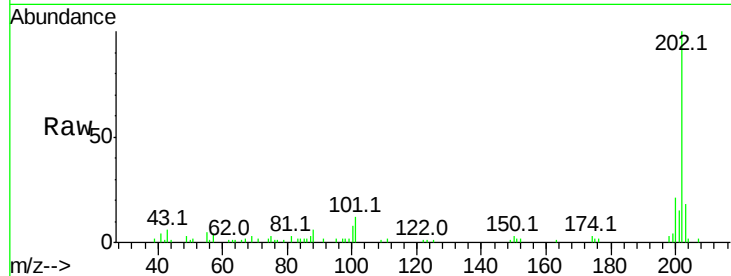
Tot Ion:202 Resp: 28055

Ion Ratio Lower Upper

202 100

101 11.9 0.0 35.4

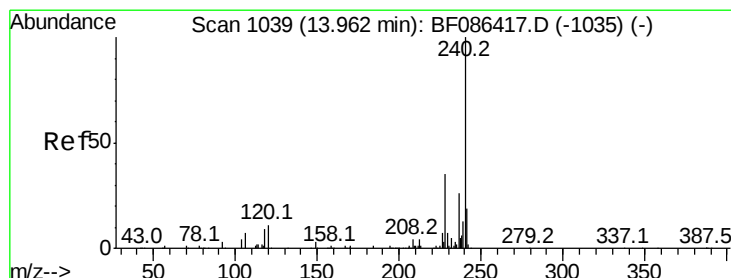
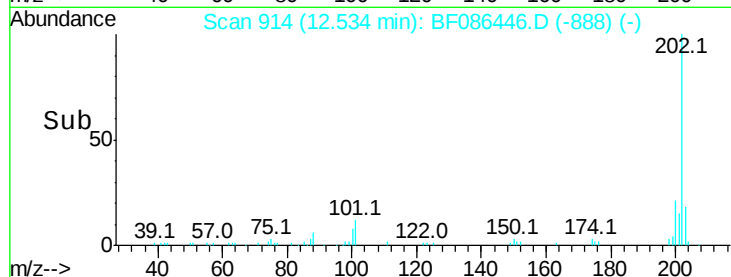
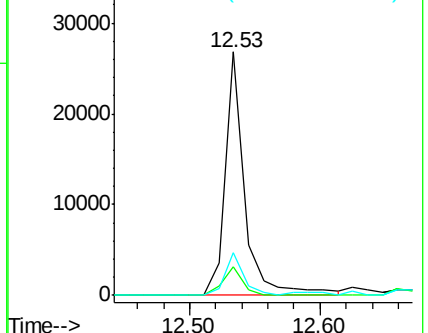
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

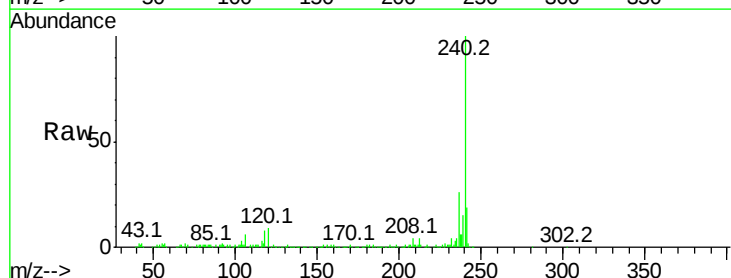
Tgt Ion:240 Resp: 287608

Ion Ratio Lower Upper

240 100

120 9.3 11.2 16.8#

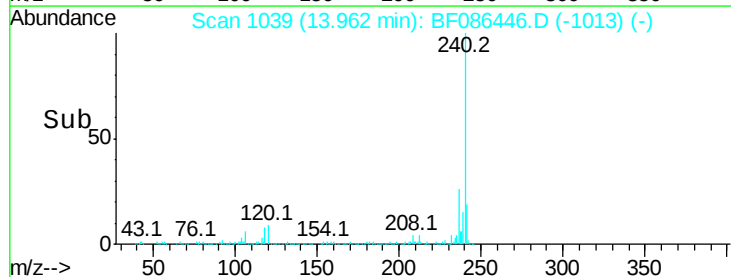
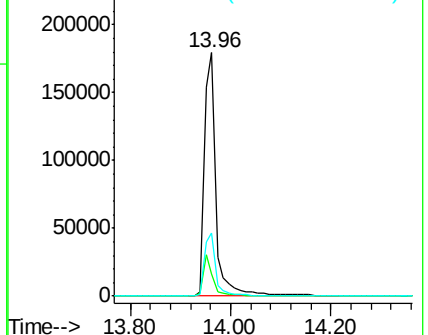
236 26.0 21.2 31.8

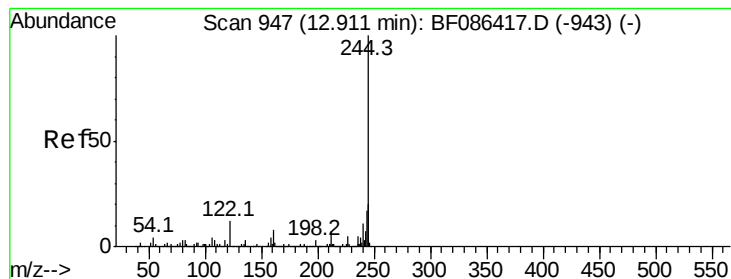


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 58.42 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

Instrument :

BNA\_F

ClientSampleId :

TEC-COMP-B1C

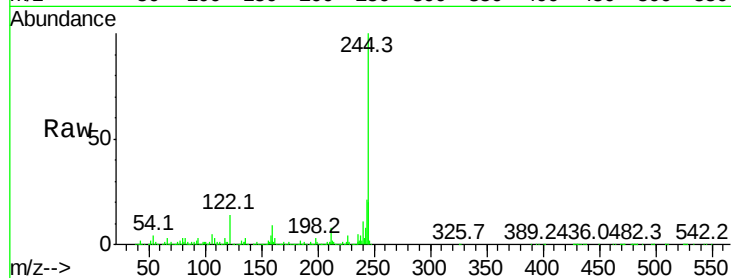
Tot Ion:244 Resp: 762713

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

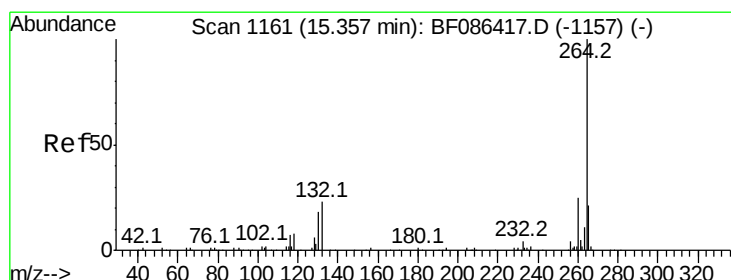
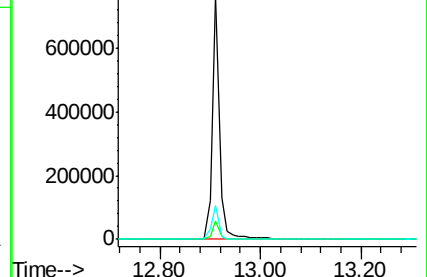
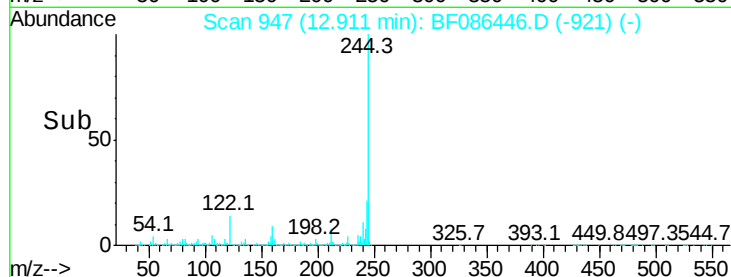
122 14.1 12.0 18.0



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: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086446.D

Acq: 28 Apr 2016 1:53

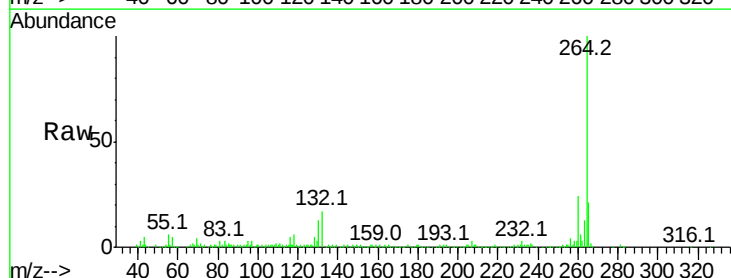
Tgt Ion:264 Resp: 209181

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 20.8 17.3 25.9



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

