

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\  
 Data File : BF088803.D  
 Acq On : 8 Jul 2016 2:59  
 Operator : UM/SJ  
 Sample : H3876-12 2X  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-B-LOCATION-6-15-20FT

Quant Time: Jul 08 04:14:08 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 01:56:42 2016  
 Response via : Initial Calibration

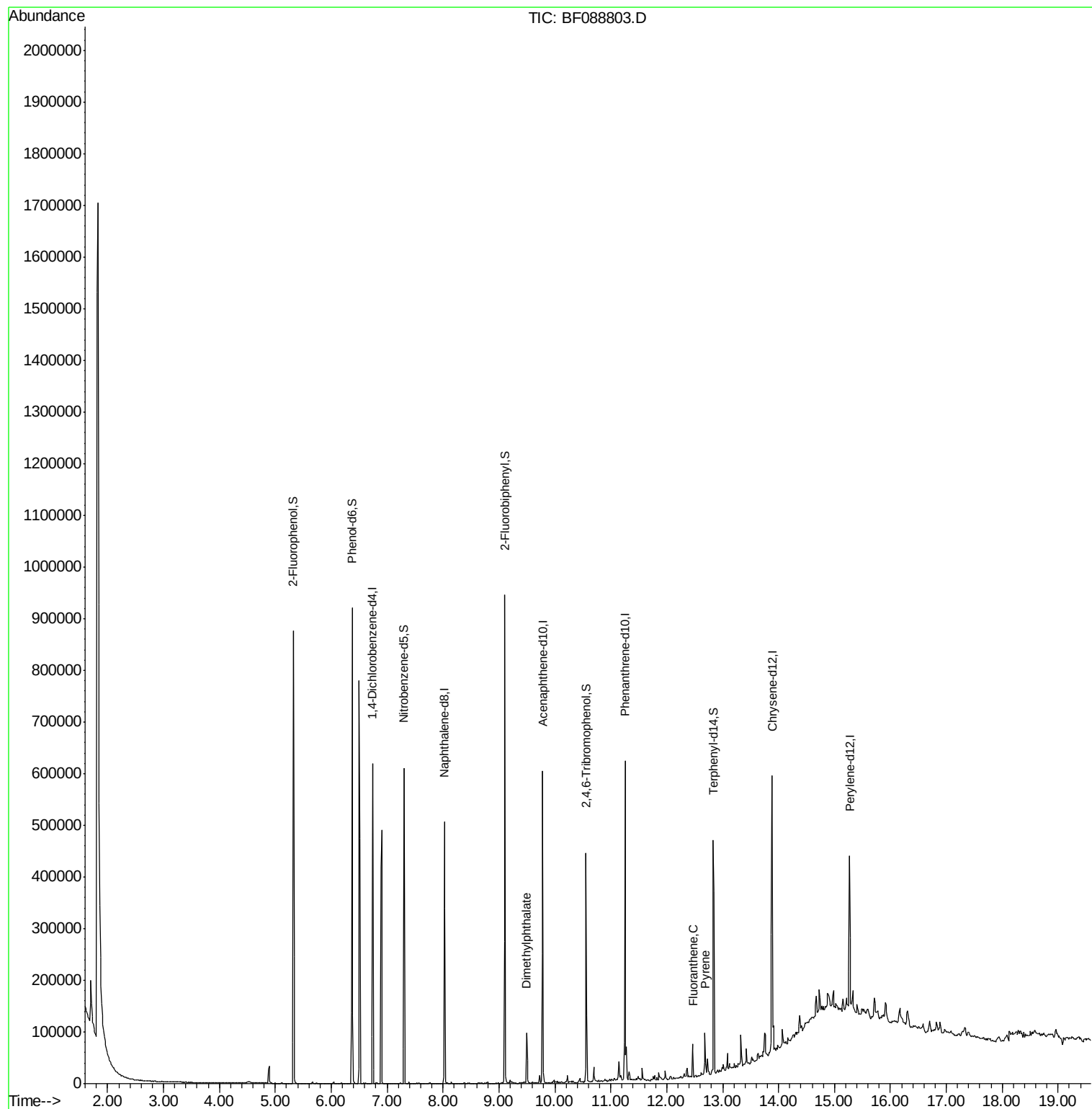
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 83661    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 295188   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 127964   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.26 | 188  | 197242   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.89 | 240  | 170424   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.27 | 264  | 125359   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 242090   | 43.37 | ng    | 0.00     |
| 7) Phenol-d6                | 6.38  | 99   | 296166   | 41.06 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 185713   | 32.97 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 47780    | 40.21 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 298774   | 36.88 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 177951   | 23.26 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.50  | 163  | 43159    | 4.73  | ng    | 99       |
| 74) Fluoranthene            | 12.47 | 202  | 32690    | 2.99  | ng    | 93       |
| 77) Pyrene                  | 12.69 | 202  | 30986    | 2.14  | ng    | 99       |

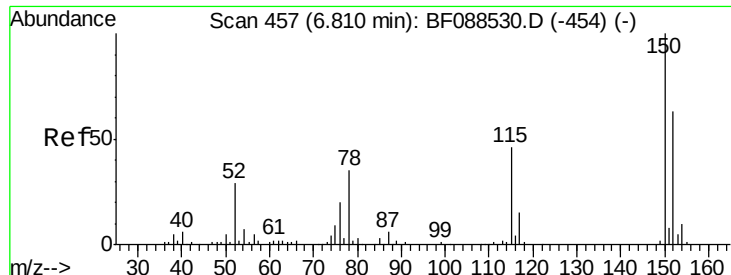
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

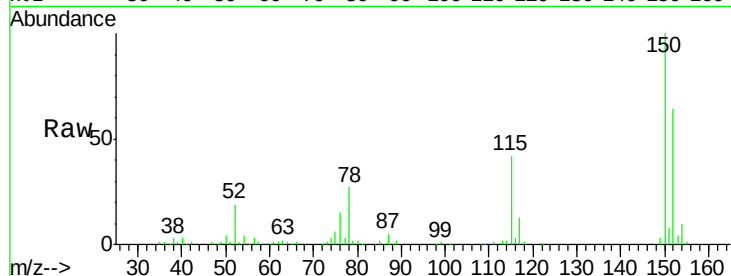
Tot Ion:152 Resp: 83661

Ion Ratio Lower Upper

152 100

150 156.6 123.8 185.6

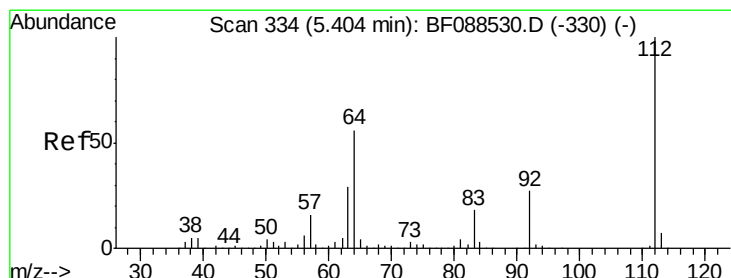
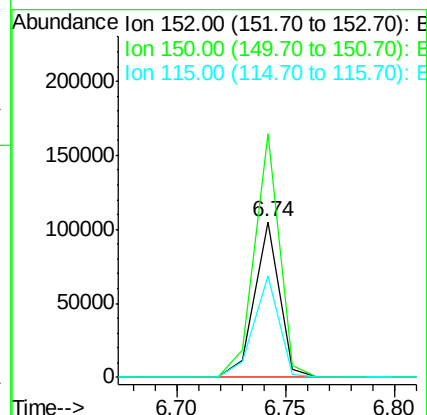
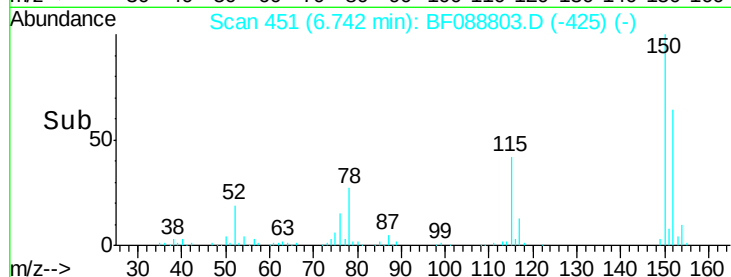
115 65.6 39.6 59.4#



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: 43.37 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

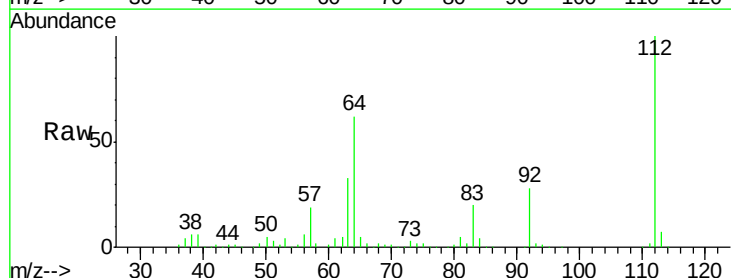
Tgt Ion:112 Resp: 242090

Ion Ratio Lower Upper

112 100

64 62.3 42.2 63.2

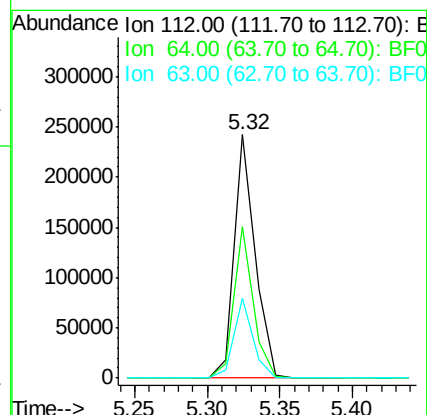
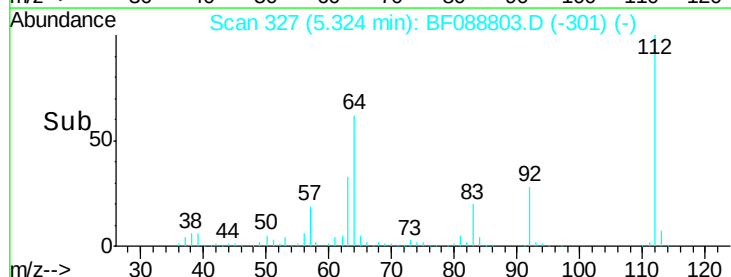
63 32.9 21.8 32.8#

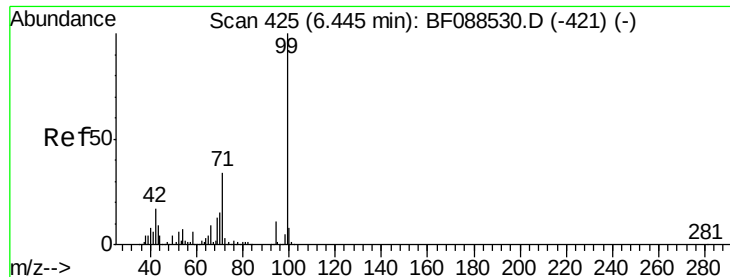


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.06 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

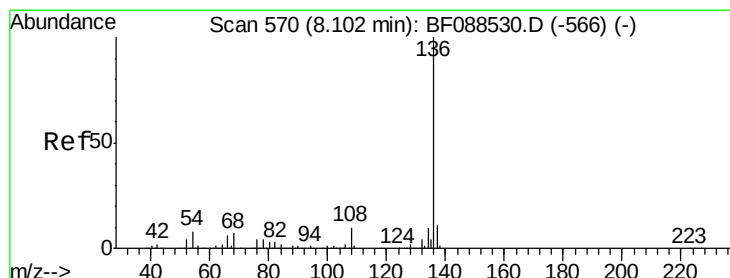
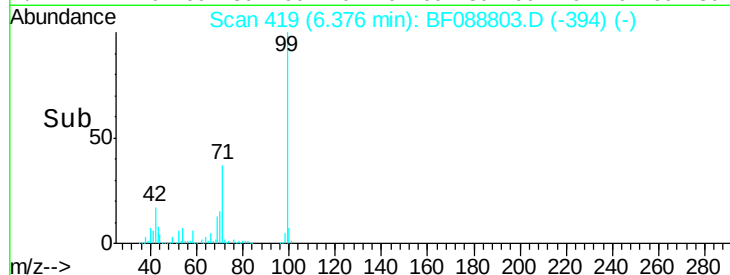
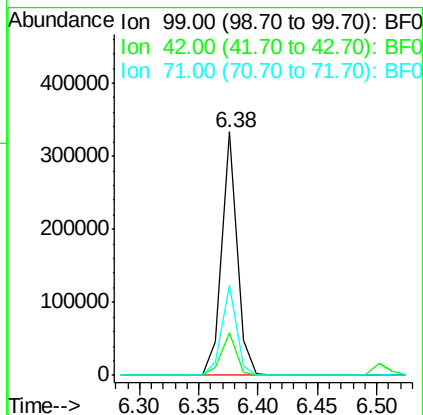
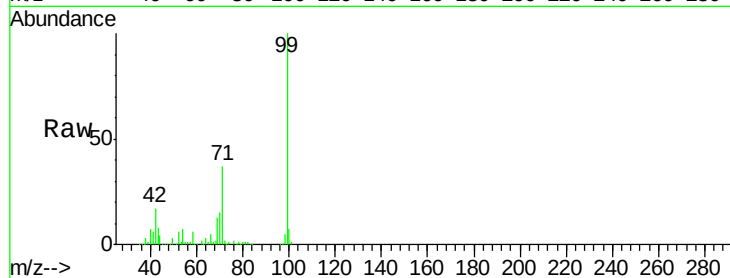
Tot Ion: 99 Resp: 296166

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 37.1 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Tgt Ion: 136 Resp: 295188

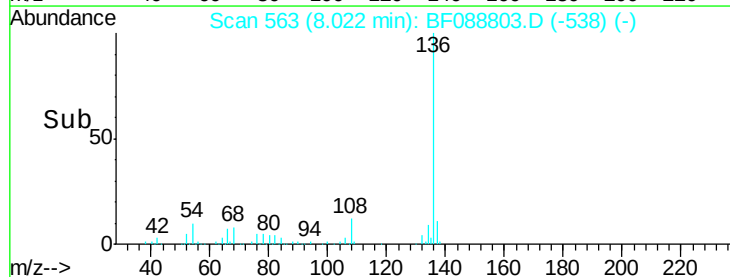
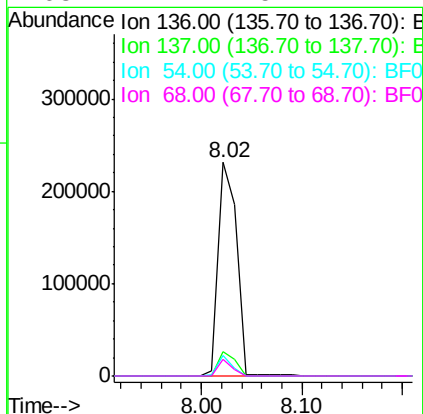
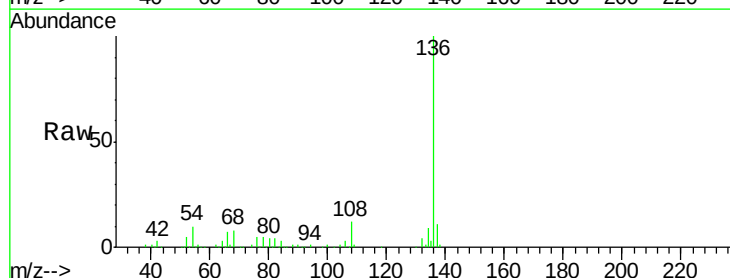
Ion Ratio Lower Upper

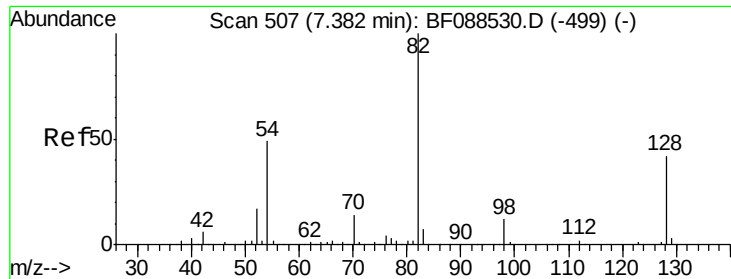
136 100

137 11.4 9.1 13.7

54 9.9 6.6 10.0

68 7.7 5.1 7.7

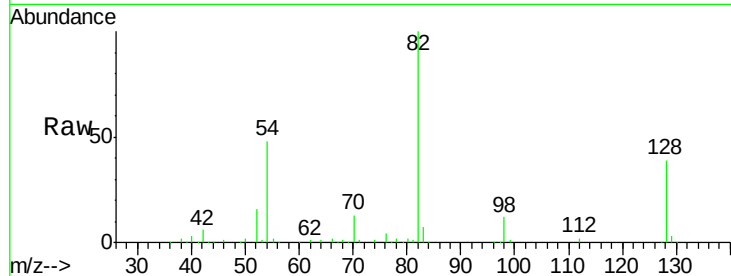




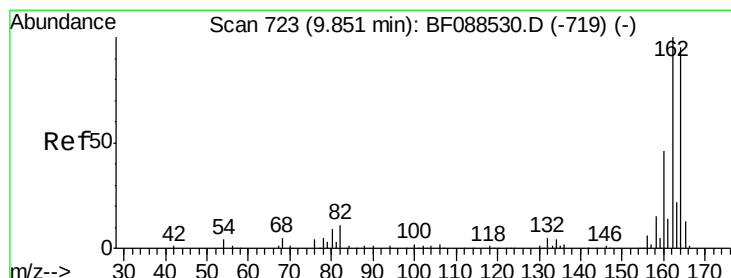
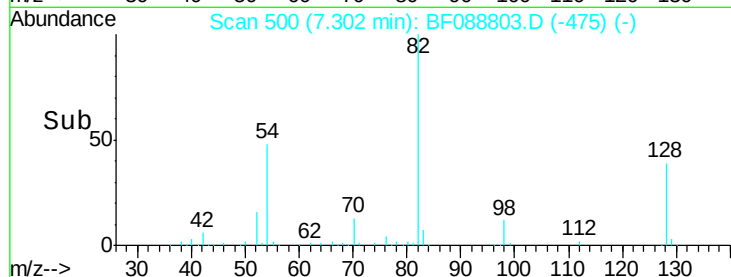
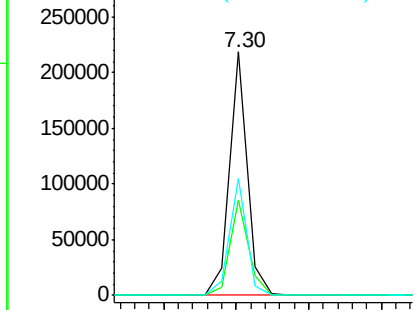
#23  
 Nitrobenzene-d5  
 Concen: 32.97 ng  
 RT: 7.30 min Scan# 500  
 Delta R.T. -0.01 min  
 Lab File: BF088803.D  
 Acq: 8 Jul 2016 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-B-LOCATION-6-15-20FT

Tot Ion: 82 Resp: 185713  
 Ion Ratio Lower Upper  
 82 100  
 128 39.2 35.9 53.9  
 54 48.2 40.9 61.3

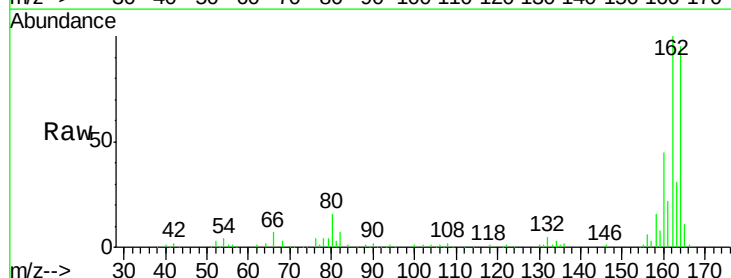


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

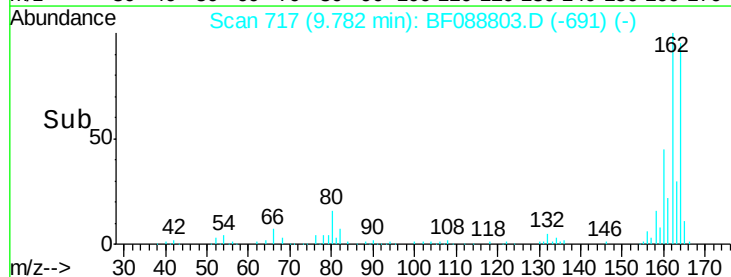
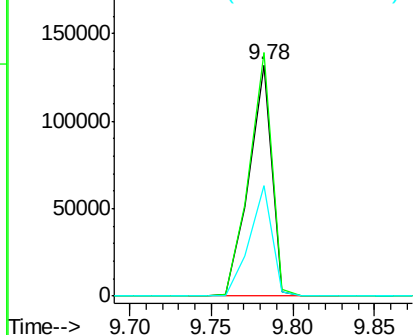


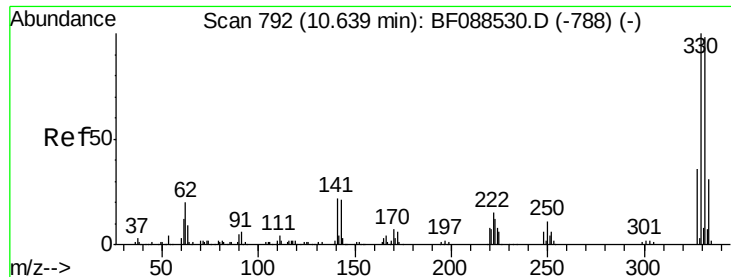
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 717  
 Delta R.T. 0.00 min  
 Lab File: BF088803.D  
 Acq: 8 Jul 2016 2:59

Tgt Ion: 164 Resp: 127964  
 Ion Ratio Lower Upper  
 164 100  
 162 105.3 85.4 128.2  
 160 47.9 39.5 59.3



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

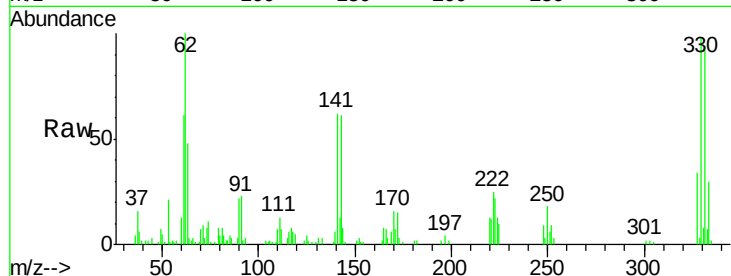




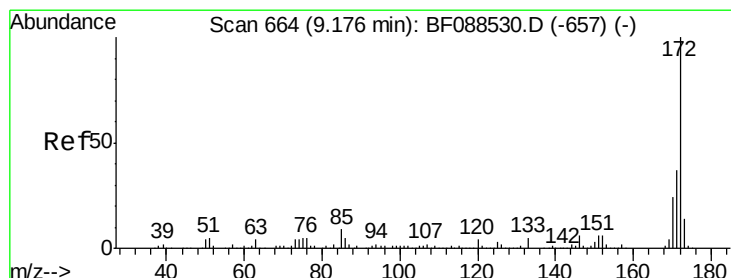
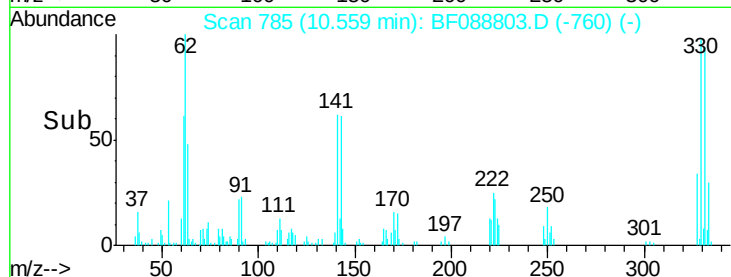
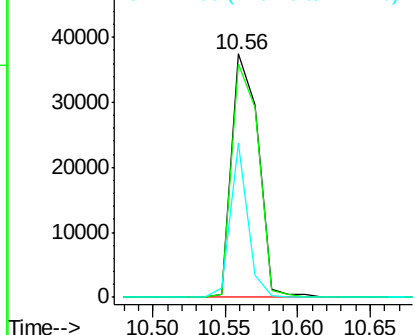
#41  
 2,4,6-Tribromophenol  
 Concen: 40.21 ng  
 RT: 10.56 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF088803.D  
 Acq: 8 Jul 2016 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 6-B-LOCATION-6-15-20FT

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 0.0   | 0.0#  |
| 141     | 41.5  | 0.0   | 0.0#  |

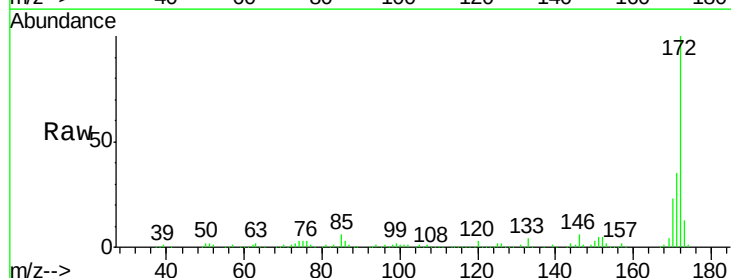


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

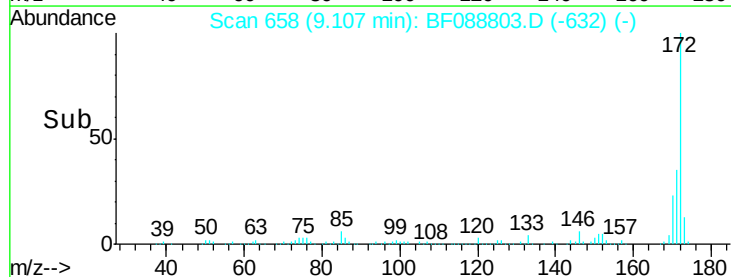
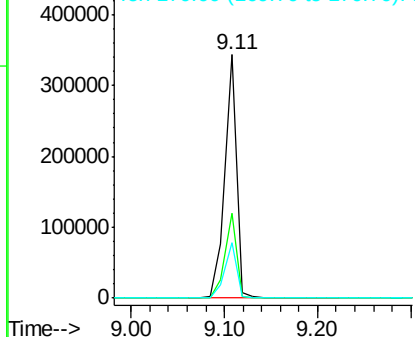


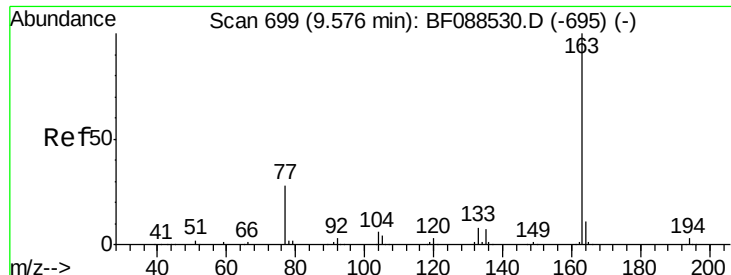
#44  
 2-Fluorobiphenyl  
 Concen: 36.88 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. 0.00 min  
 Lab File: BF088803.D  
 Acq: 8 Jul 2016 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 28.6  | 43.0  |
| 170     | 23.0  | 19.2  | 28.8  |



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: 4.73 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.02 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

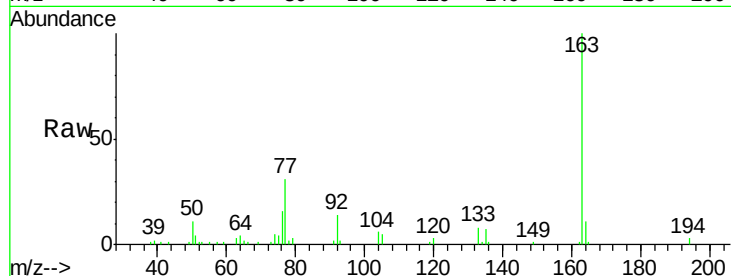
Tot Ion:163 Resp: 43159

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

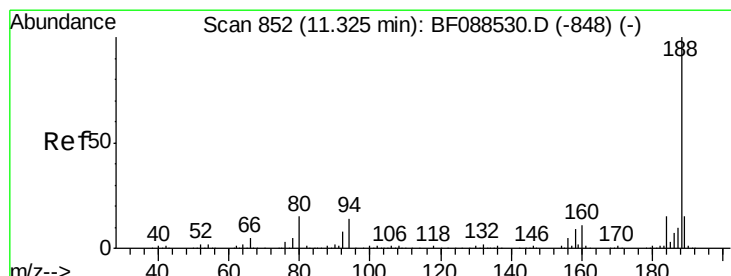
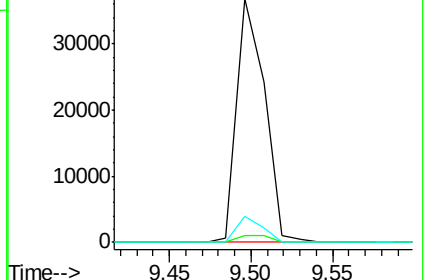
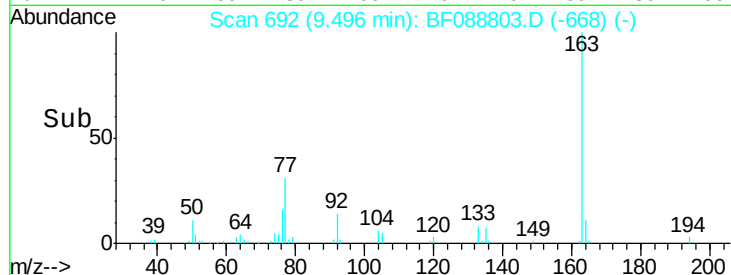
164 10.8 8.3 12.5



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: 11.26 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

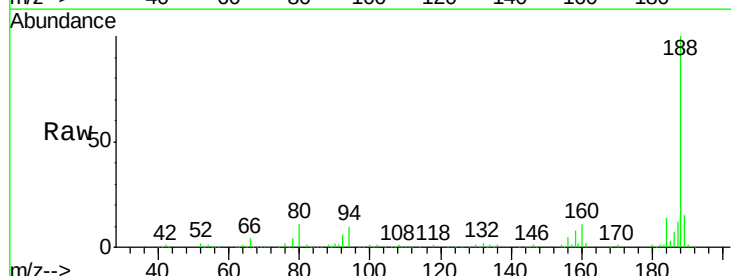
Tgt Ion:188 Resp: 197242

Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.6

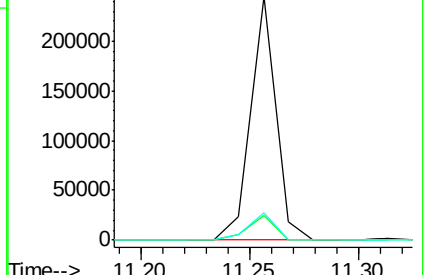
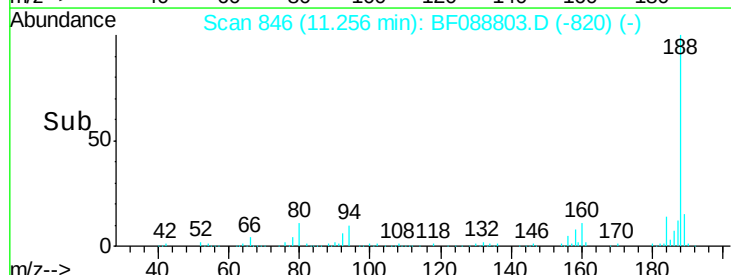
80 11.2 10.0 15.0

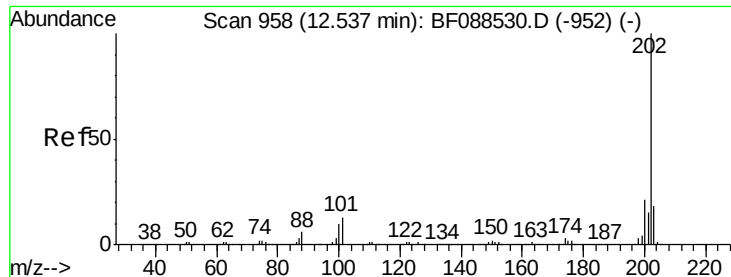


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.99 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

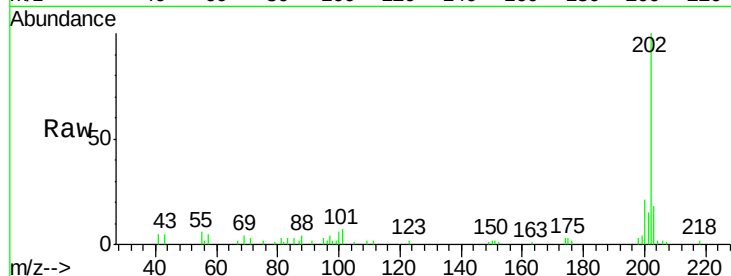
Tot Ion:202 Resp: 32690

Ion Ratio Lower Upper

202 100

101 7.3 0.0 33.1

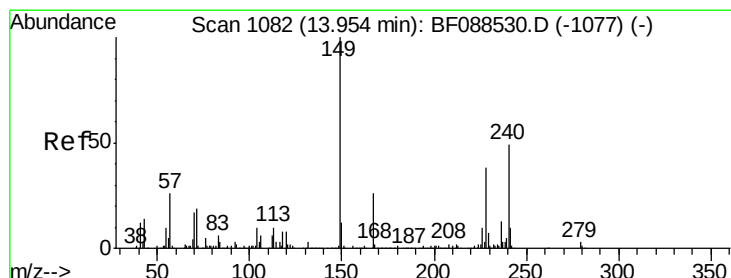
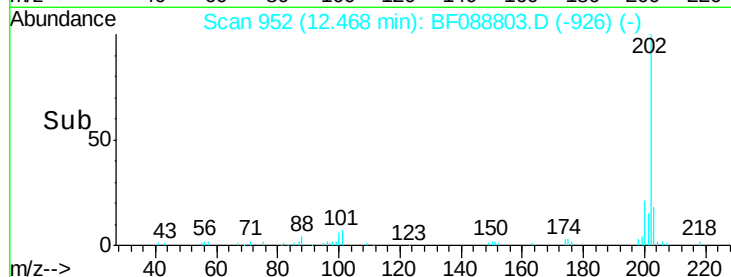
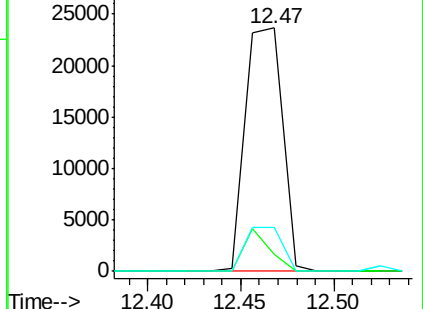
203 17.8 0.0 38.1



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: 13.89 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

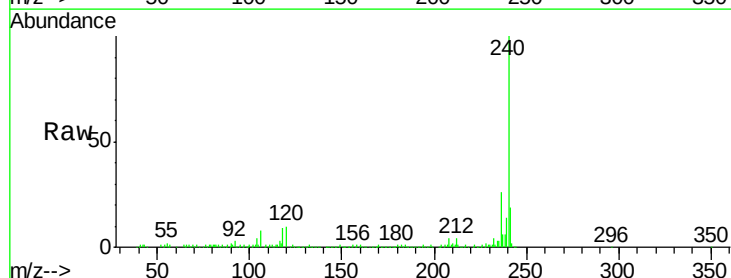
Tgt Ion:240 Resp: 170424

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

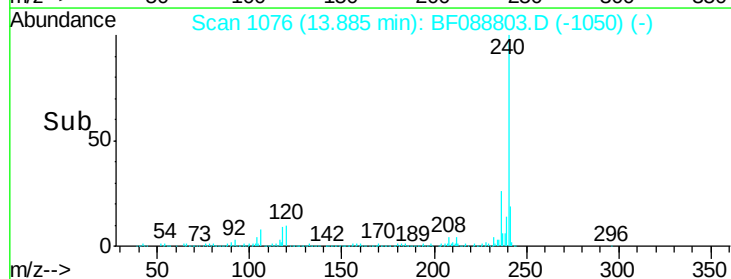
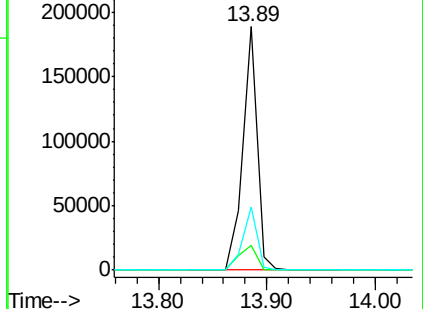
236 26.1 20.2 30.2



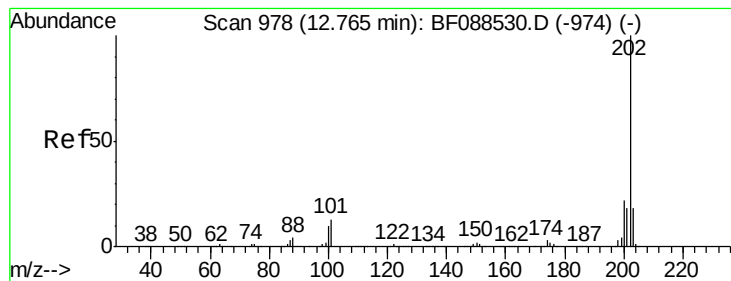
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#77

Pvrene

Concen: 2.14 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

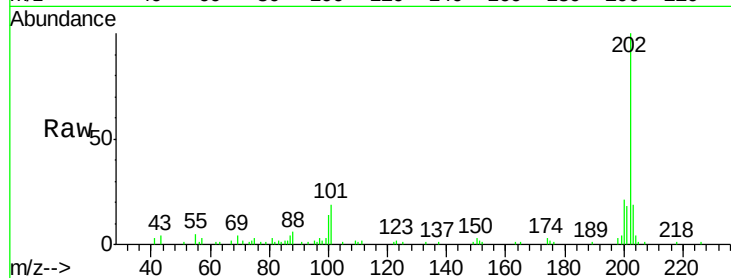
Tot Ion:202 Resp: 30986

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

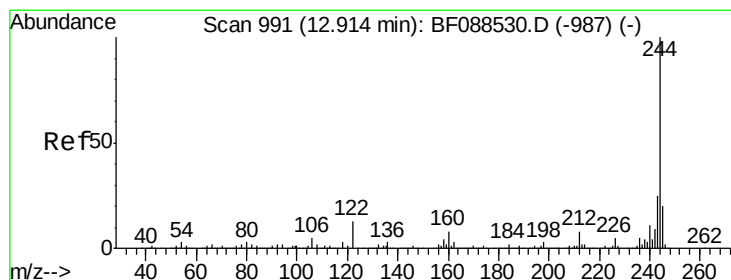
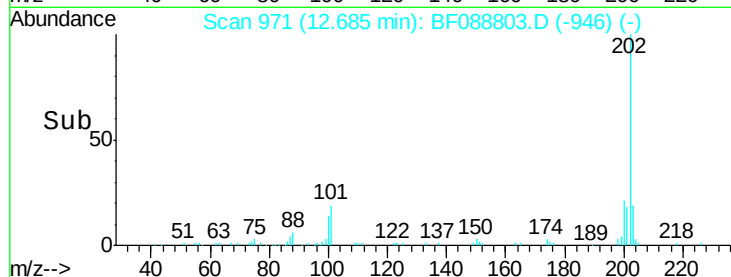
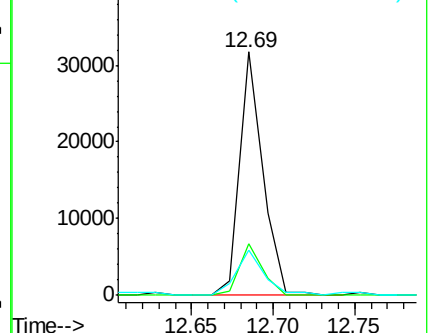
203 18.7 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 23.26 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

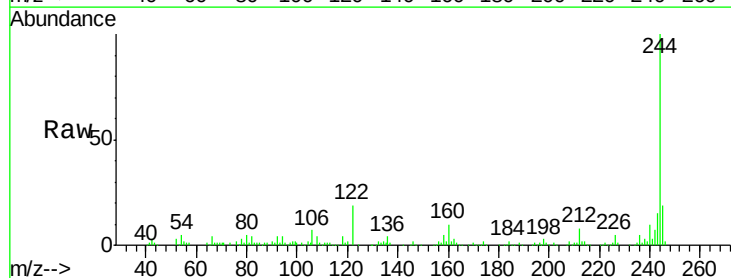
Tgt Ion:244 Resp: 177951

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

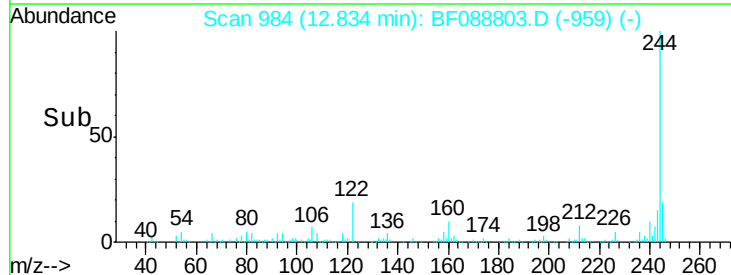
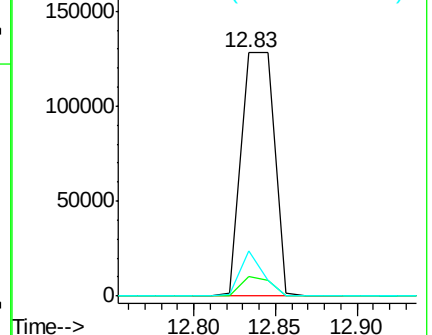
122 18.8 11.2 16.8#

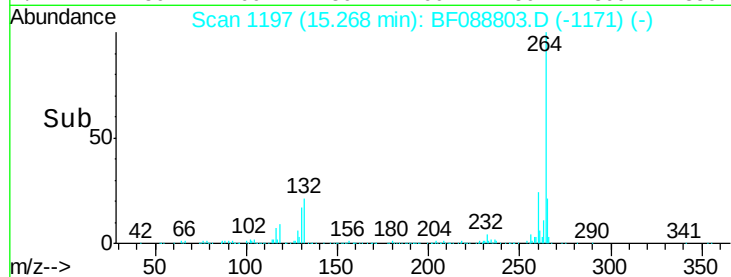
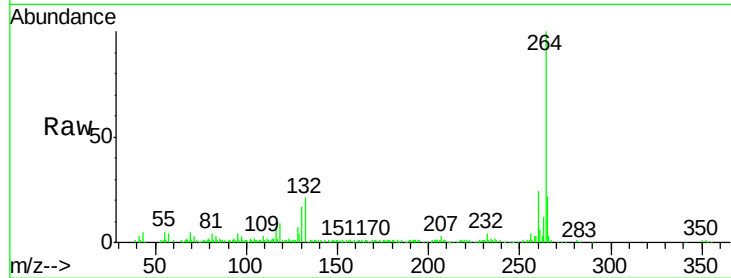
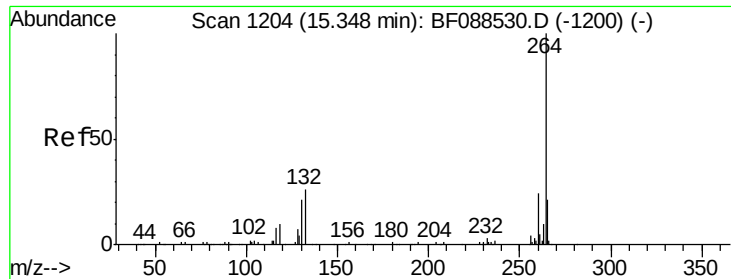


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BF088803.D

Acq: 8 Jul 2016 2:59

Instrument :

BNA\_F

ClientSampleId :

6-B-LOCATION-6-15-20FT

Tot Ion:264 Resp: 125359

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.7 16.9 25.3

