

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
 Data File : BF079147.D  
 Acq On : 12 May 2015 8:04  
 Operator : TP/IZ  
 Sample : G2176-08  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-29(5-10)

Quant Time: May 12 08:53:40 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 06:55:06 2015  
 Response via : Initial Calibration

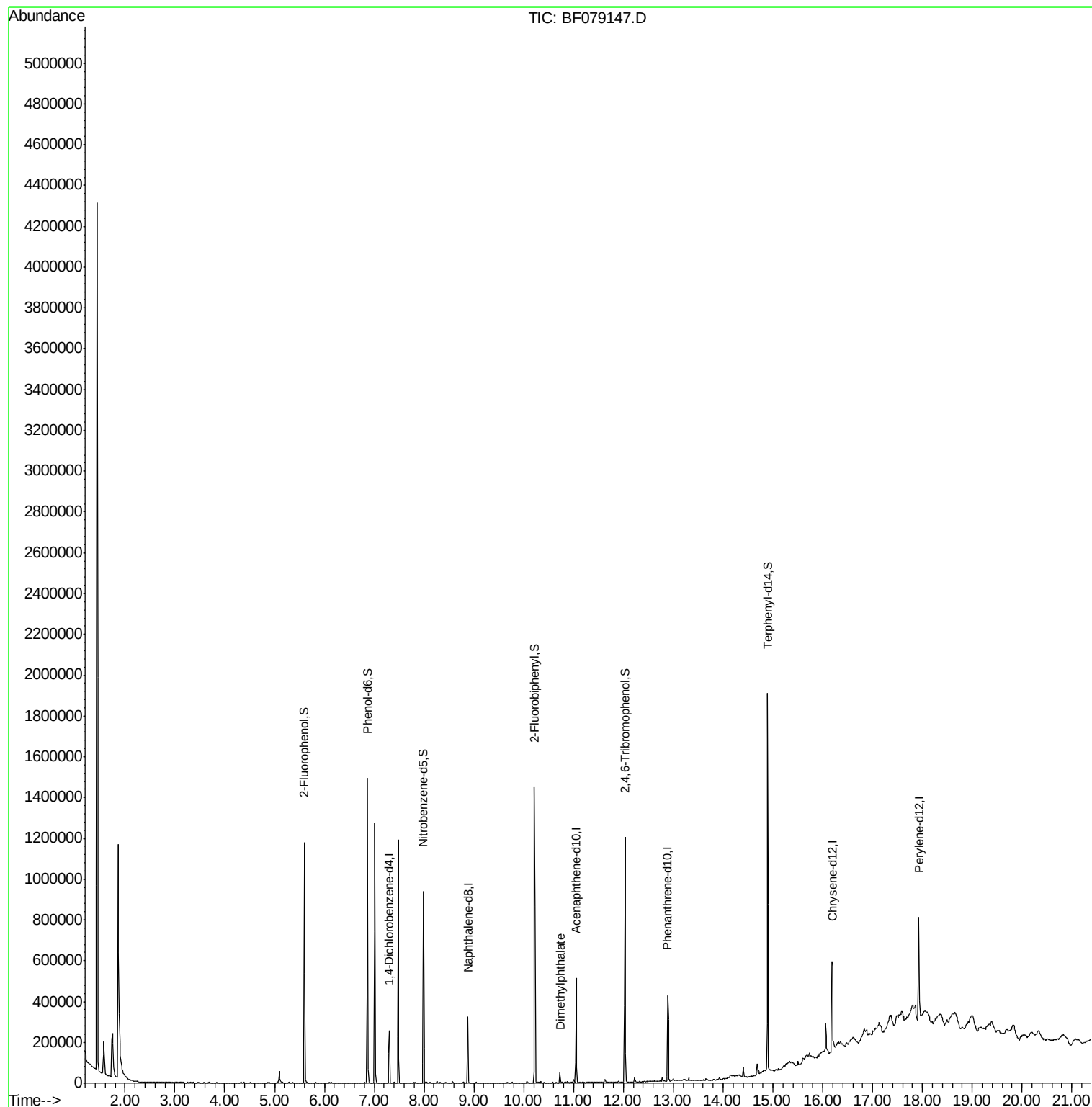
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.30  | 152  | 48226    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.88  | 136  | 200839   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 11.05 | 164  | 104629   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 12.89 | 188  | 205296   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 16.19 | 240  | 226982   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 17.93 | 264  | 248400   | 20.00  | ng    | 0.05           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.60  | 112  | 383947   | 137.04 | ng    | 0.00           |
| 7) Phenol-d6                | 6.87  | 99   | 543482   | 146.76 | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 7.99  | 82   | 287004   | 82.13  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330  | 159397   | 140.82 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 10.22 | 172  | 576684   | 76.79  | ng    | 0.00           |
| 78) Terphenyl-d14           | 14.89 | 244  | 700249   | 73.86  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 10.73 | 163  | 28942    | 3.77   | ng    | Qvalue<br># 97 |

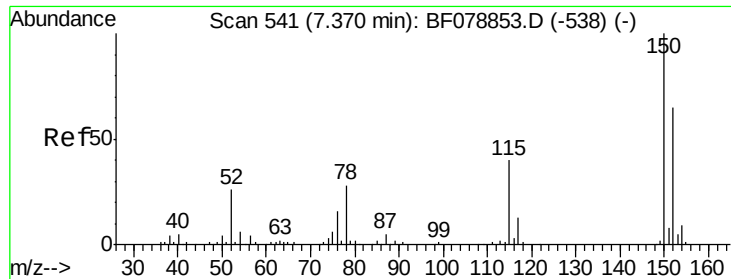
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\  
Data File : BF079147.D  
Acq On : 12 May 2015 8:04  
Operator : TP/IZ  
Sample : G2176-08  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PS-29(5-10)

Quant Time: May 12 08:53:40 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 12 06:55:06 2015  
Response via : Initial Calibration



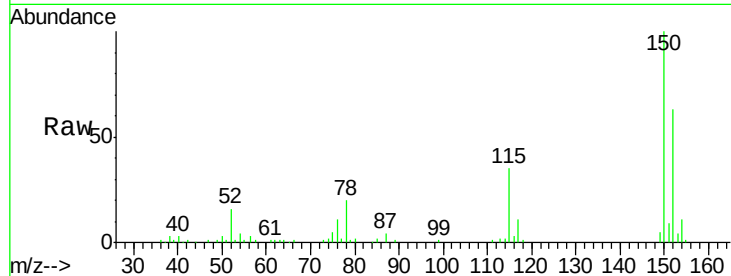


#1

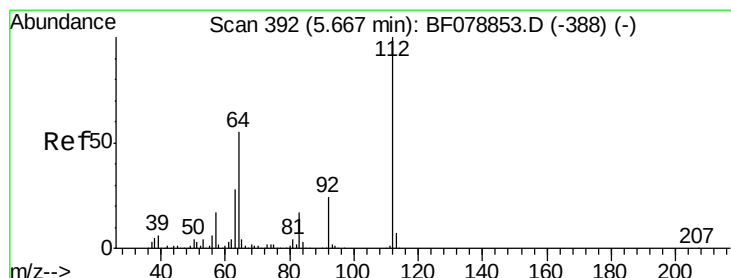
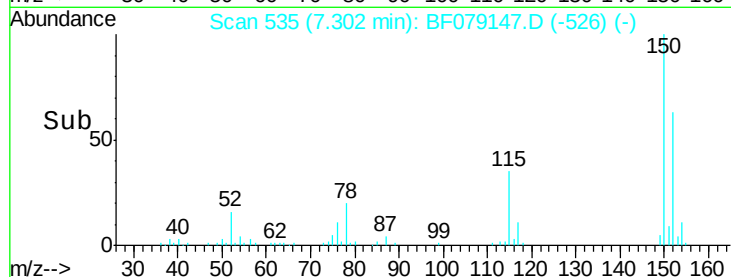
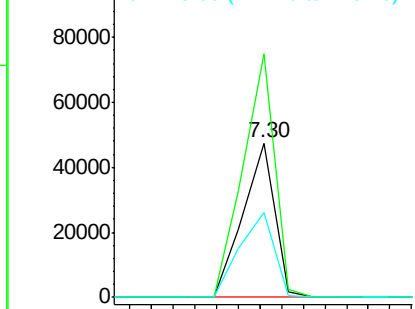
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.30 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: BF079147.D  
Acq: 12 May 2015 8:04

Instrument :  
BNA\_F  
ClientSampleId :  
PS-29(5-10)

Tot Ion:152 Resp: 48226  
Ion Ratio Lower Upper  
152 100  
150 157.7 122.0 183.0  
115 54.9 46.3 69.5



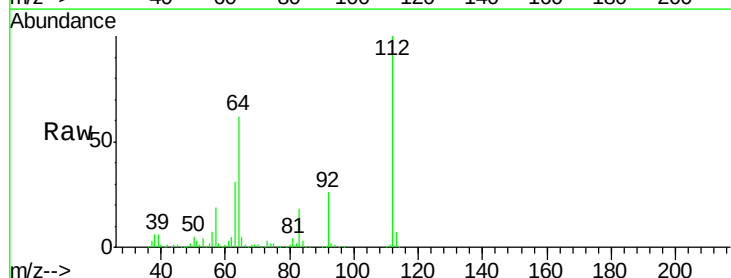
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



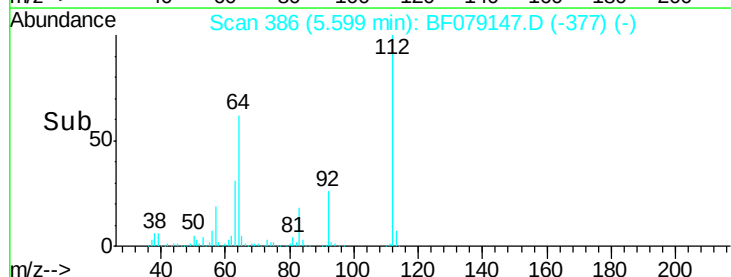
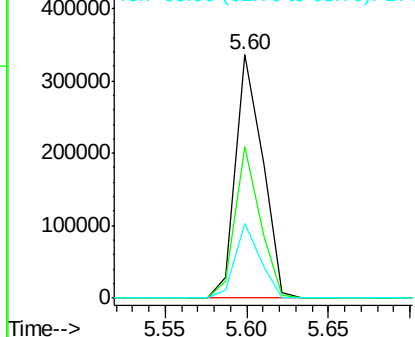
#5

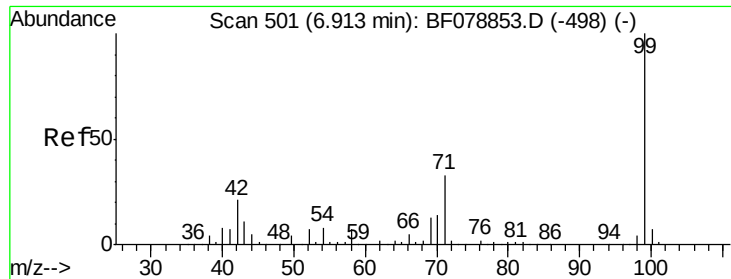
2-Fluorophenol  
Concen: 137.04 ng  
RT: 5.60 min Scan# 386  
Delta R.T. -0.00 min  
Lab File: BF079147.D  
Acq: 12 May 2015 8:04

Tgt Ion:112 Resp: 383947  
Ion Ratio Lower Upper  
112 100  
64 62.4 53.5 80.3  
63 30.6 27.5 41.3



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: 146.76 ng

RT: 6.87 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

Instrument :

BNA\_F

ClientSampleId :

PS-29(5-10)

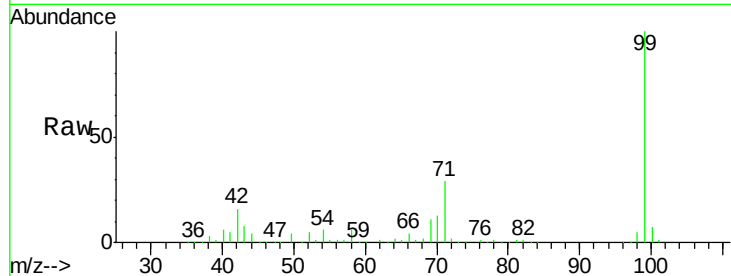
Tot Ion: 99 Resp: 543482

Ion Ratio Lower Upper

99 100

42 15.7 12.8 19.2

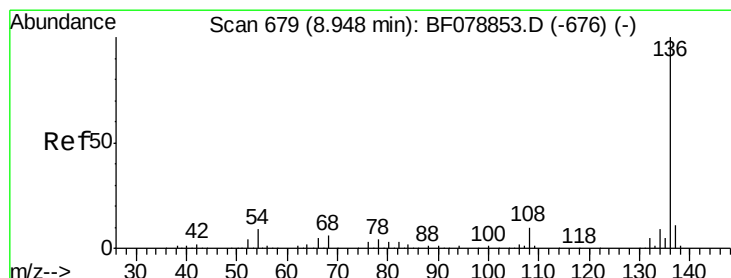
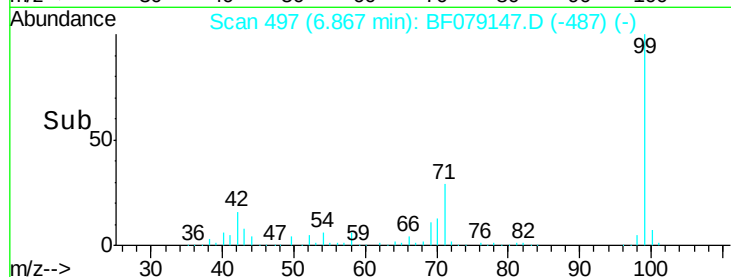
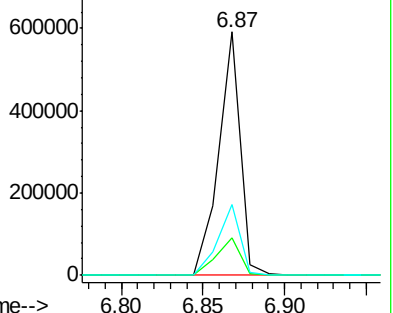
71 28.9 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.88 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

Tgt Ion: 136 Resp: 200839

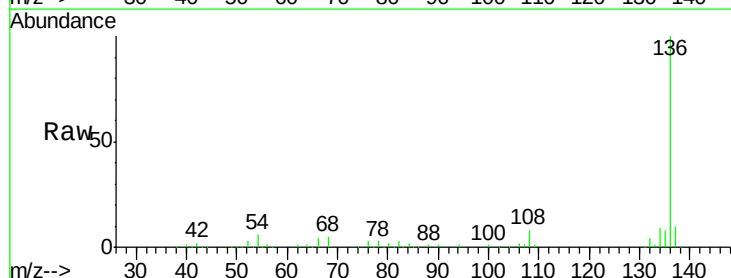
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 6.0 5.8 8.8

68 4.6 4.2 6.4

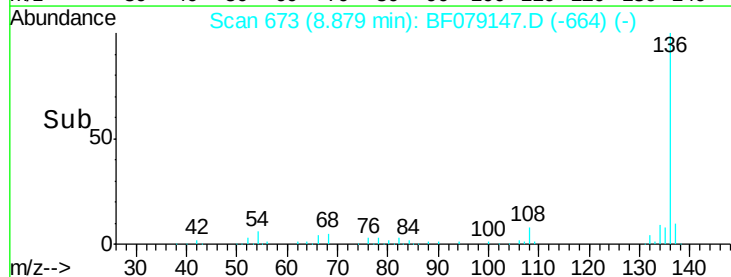
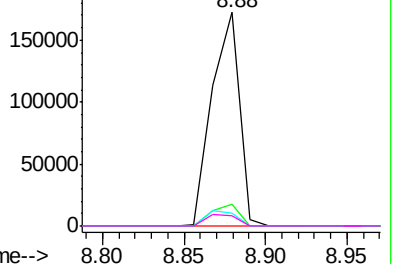


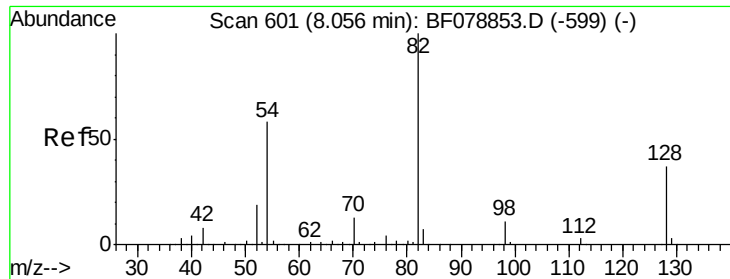
Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

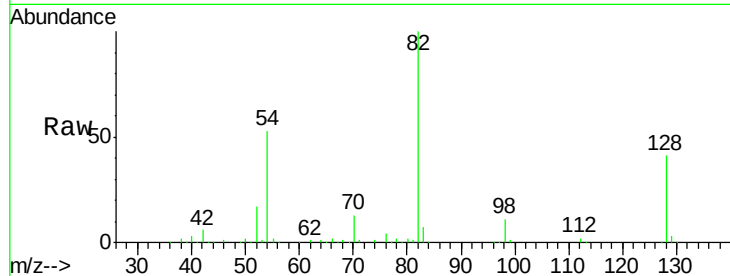




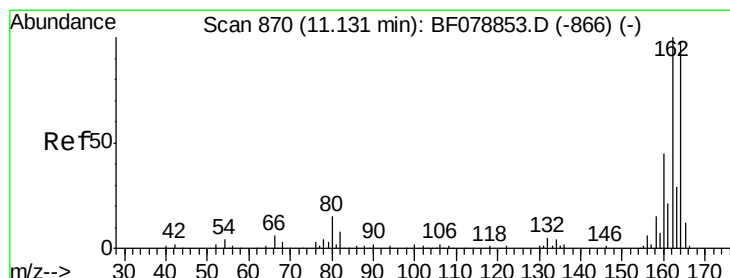
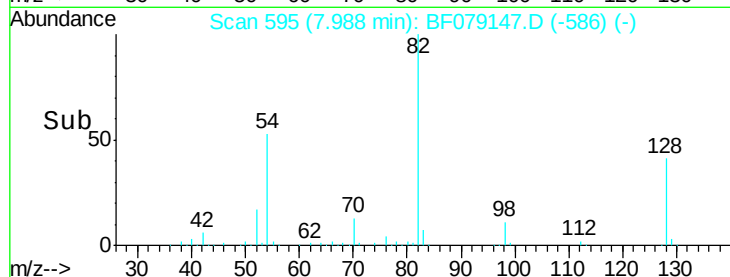
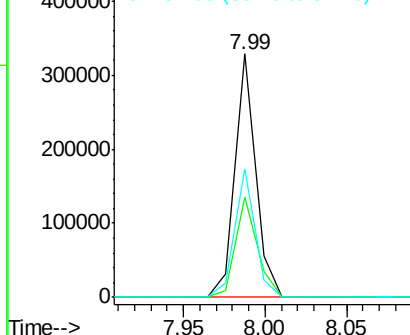
#23  
 Nitrobenzene-d5  
 Concen: 82.13 ng  
 RT: 7.99 min Scan# 595  
 Delta R.T. -0.00 min  
 Lab File: BF079147.D  
 Acq: 12 May 2015 8:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-29(5-10)

| Tot Ion   | 82.00 | Resp  | 287004 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.1  | 30.0  | 45.0   |
| 54        | 53.0  | 46.4  | 69.6   |

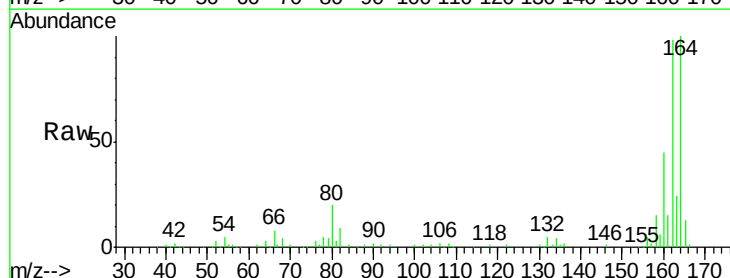


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

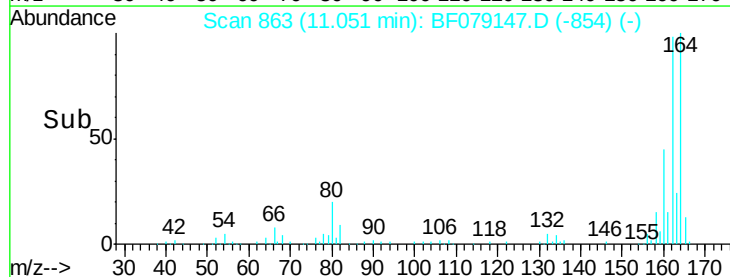
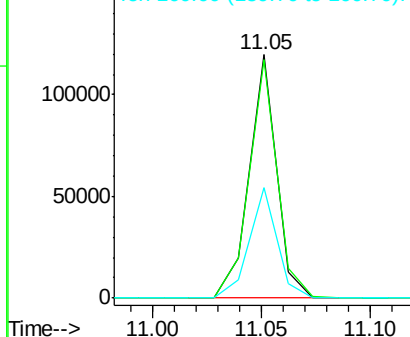


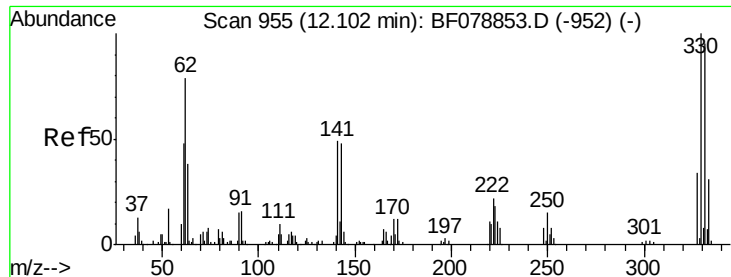
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.05 min Scan# 863  
 Delta R.T. -0.00 min  
 Lab File: BF079147.D  
 Acq: 12 May 2015 8:04

| Tgt Ion   | 164.00 | Resp  | 104629 |
|-----------|--------|-------|--------|
| Ion Ratio | Lower  | Upper |        |
| 164       | 100    |       |        |
| 162       | 98.0   | 82.7  | 124.1  |
| 160       | 45.2   | 35.8  | 53.8   |



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

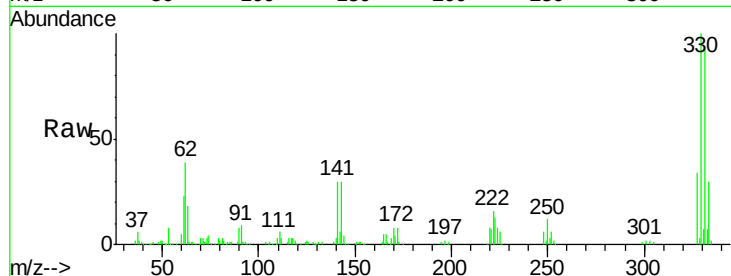




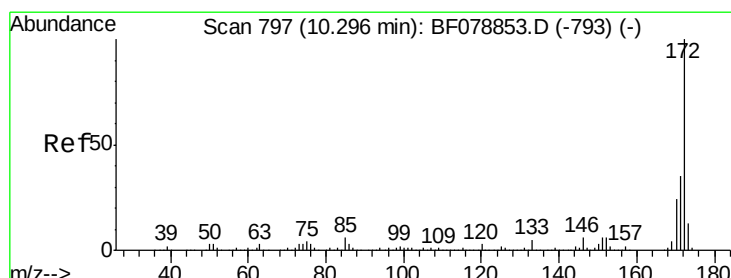
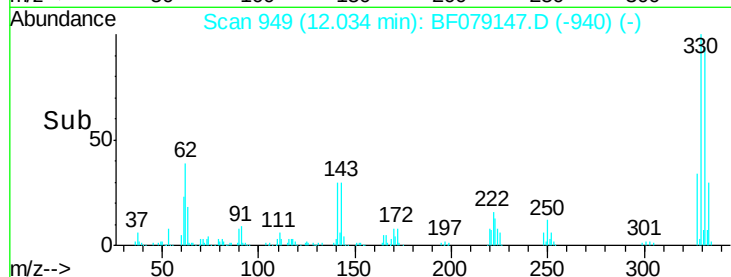
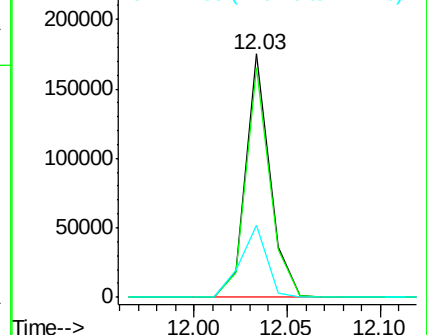
#41  
 2,4,6-Tribromophenol  
 Concen: 140.82 ng  
 RT: 12.03 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: BF079147.D  
 Acq: 12 May 2015 8:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-29(5-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 0.0   | 0.0#  |
| 141     | 32.6  | 0.0   | 0.0#  |

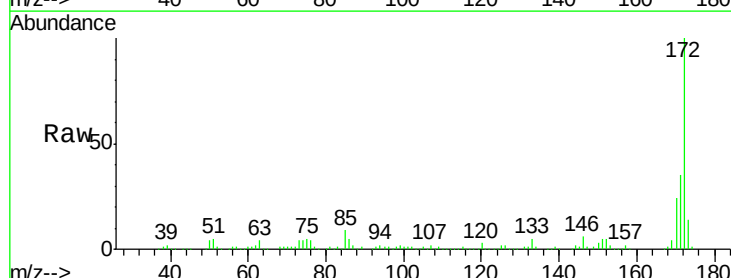


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

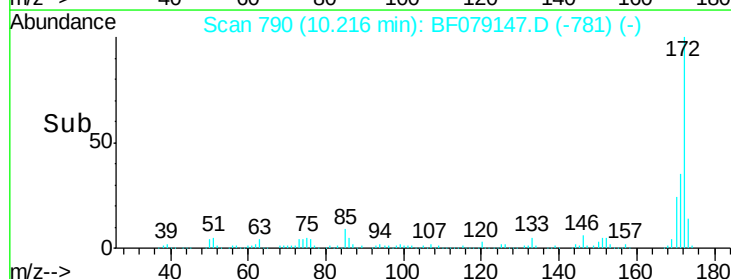
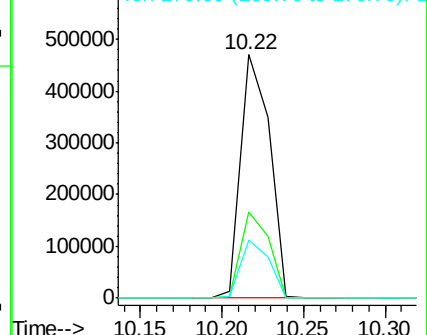


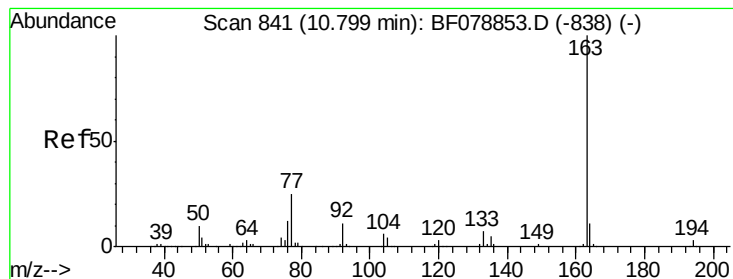
#44  
 2-Fluorobiphenyl  
 Concen: 76.79 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.00 min  
 Lab File: BF079147.D  
 Acq: 12 May 2015 8:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 27.9  | 41.9  |
| 170     | 23.6  | 19.4  | 29.0  |



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: 3.77 ng

RT: 10.73 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

Instrument :

BNA\_F

ClientSampled :

PS-29(5-10)

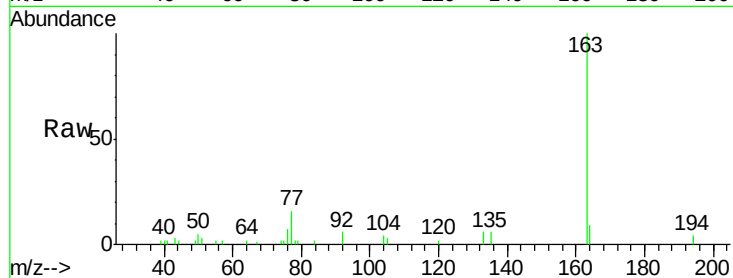
Tot Ion:163 Resp: 28942

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

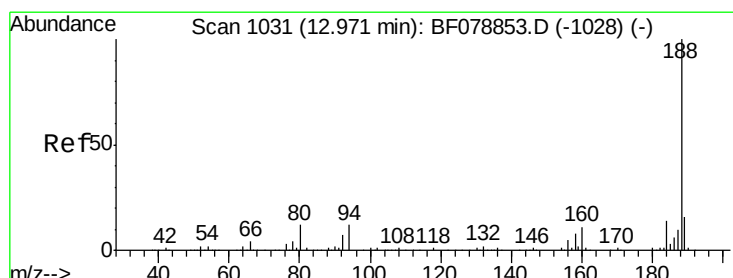
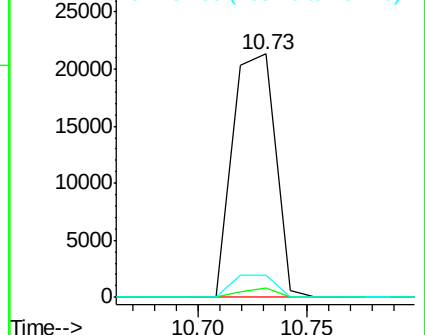
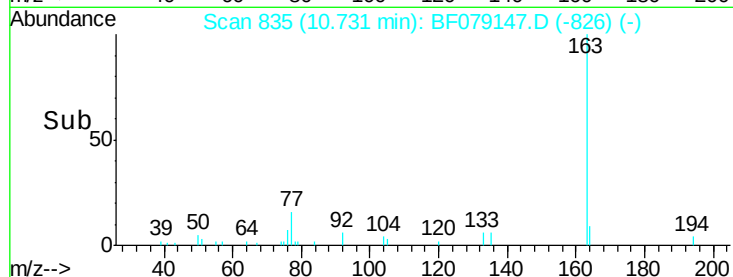
164 8.9 8.1 12.1



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: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

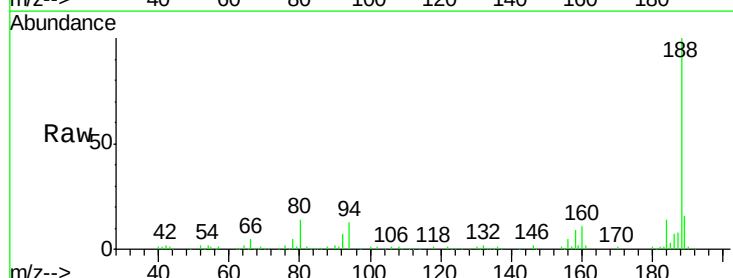
Tgt Ion:188 Resp: 205296

Ion Ratio Lower Upper

188 100

94 13.3 8.2 12.2#

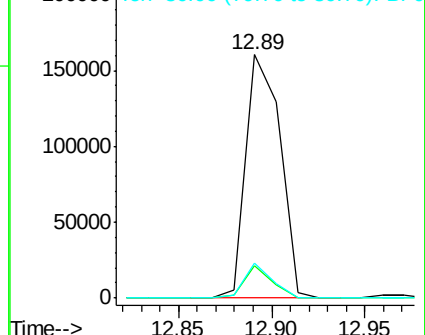
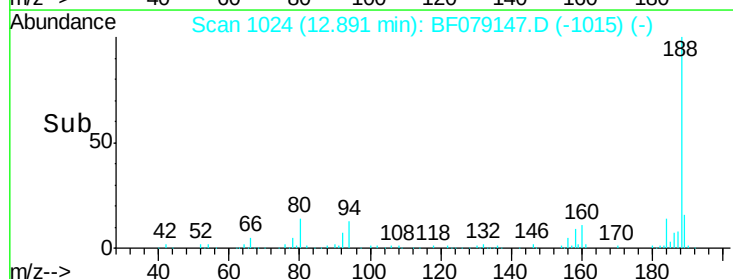
80 14.3 8.9 13.3#

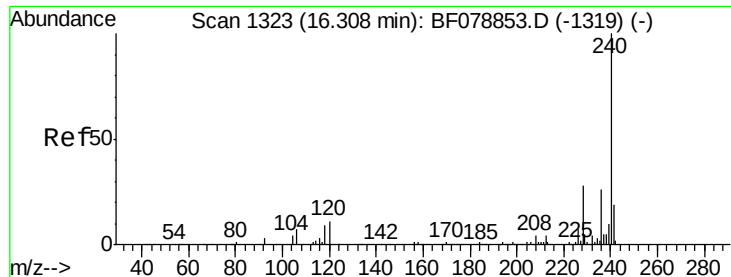


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

Instrument :

BNA\_F

ClientSampleId :

PS-29(5-10)

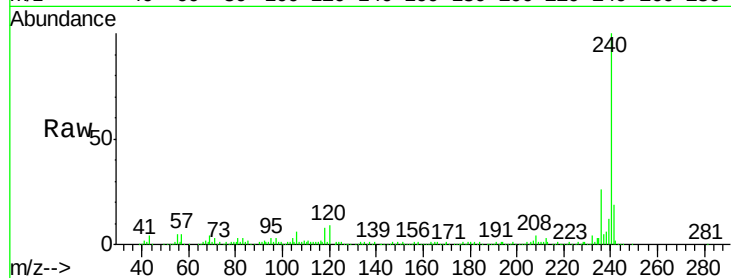
Tot Ion:240 Resp: 226982

Ion Ratio Lower Upper

240 100

120 8.6 9.7 14.5#

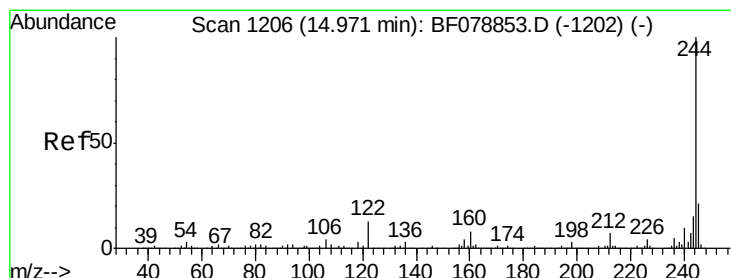
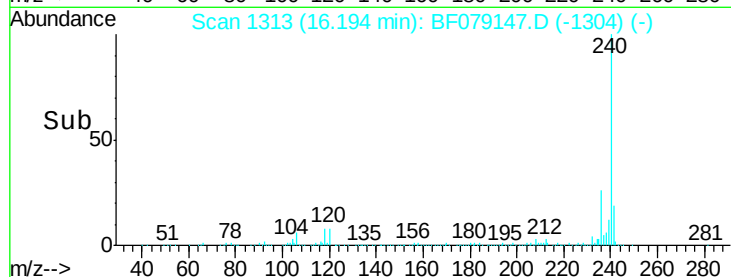
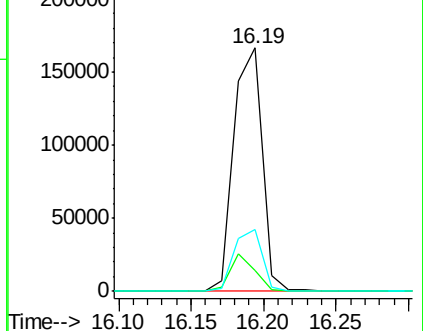
236 25.6 20.2 30.4



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: 73.86 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

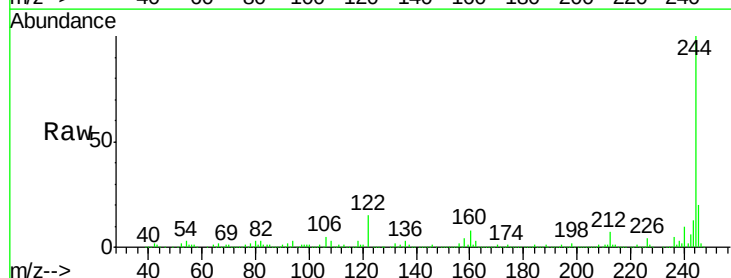
Tgt Ion:244 Resp: 700249

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

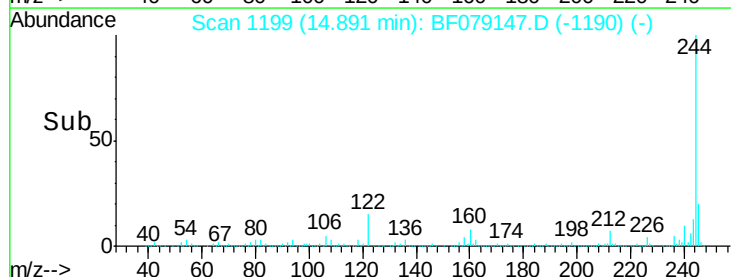
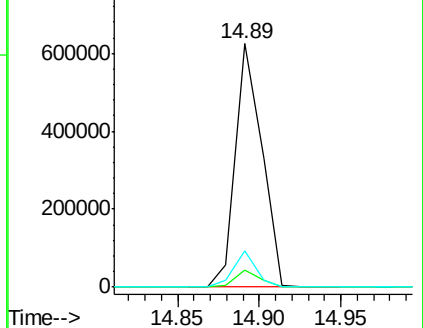
122 14.9 10.3 15.5



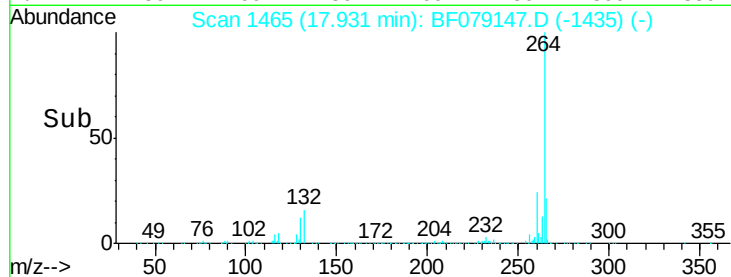
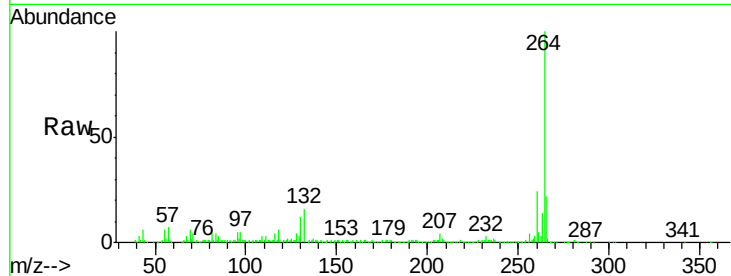
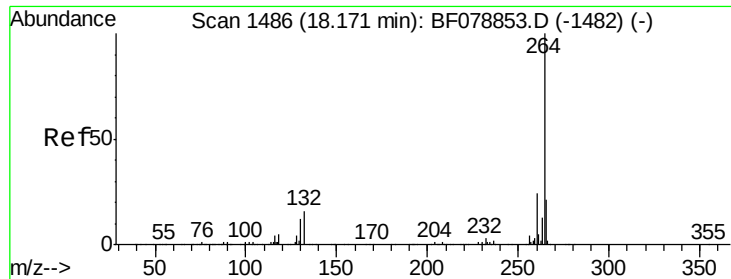
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.93 min Scan# 1465

Delta R.T. 0.05 min

Lab File: BF079147.D

Acq: 12 May 2015 8:04

Instrument :

BNA\_F

ClientSampleId :

PS-29(5-10)

Tot Ion:264 Resp: 248400

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.7 18.3 27.5

