

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061015\  
 Data File : BF079884.D  
 Acq On : 11 Jun 2015 2:31  
 Operator : TP/IZ  
 Sample : G2574-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4

Quant Time: Jun 11 03:27:34 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 11 00:53:15 2015  
 Response via : Initial Calibration

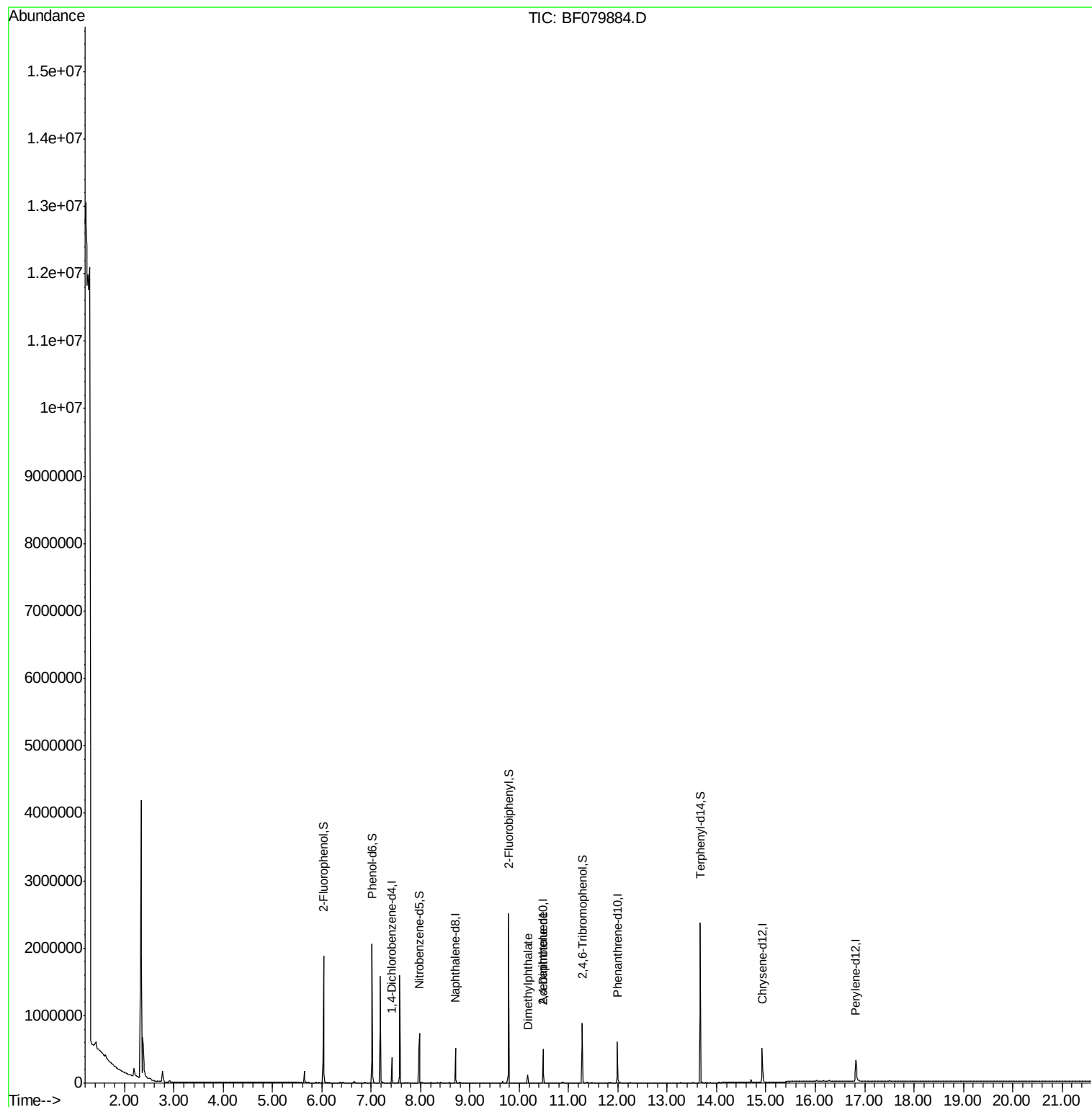
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 51962    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.71  | 136  | 202295   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.48 | 164  | 99717    | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 11.99 | 188  | 210157   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 14.93 | 240  | 211823   | 20.00  | ng    | -0.15     |
| 86) Perylene-d12            | 16.82 | 264  | 193358   | 20.00  | ng    | -0.21     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 6.03  | 112  | 448744   | 142.32 | ng    | 0.00      |
| 7) Phenol-d6                | 7.02  | 99   | 610185   | 149.57 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.98  | 82   | 295281   | 84.32  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 11.28 | 330  | 132359   | 153.38 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.78  | 172  | 692217   | 97.63  | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.67 | 244  | 873376   | 92.95  | ng    | -0.07     |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 10.17 | 163  | 51725    | 6.65   | ng    | Qvalue 99 |
| 56) 2,4-Dinitrotoluene      | 10.48 | 165  | 12720    | 12.38  | ng    | # 32      |

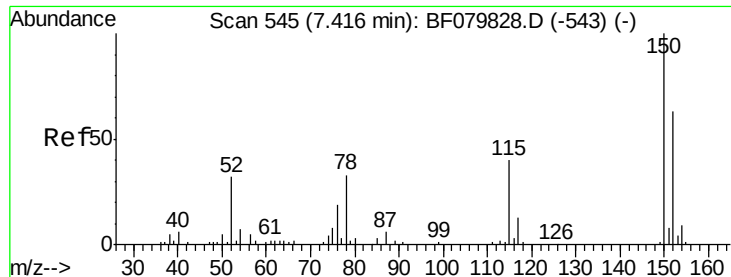
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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QLast Update : Thu Jun 11 00:53:15 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.42 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Instrument :

BNA\_F

ClientSampled :

S4

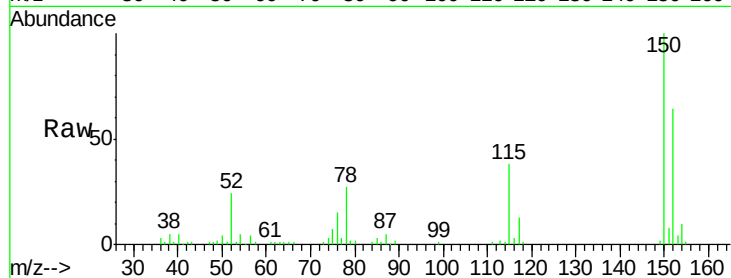
Tgt Ion:152 Resp: 51962

Ion Ratio Lower Upper

152 100

150 157.0 131.4 197.2

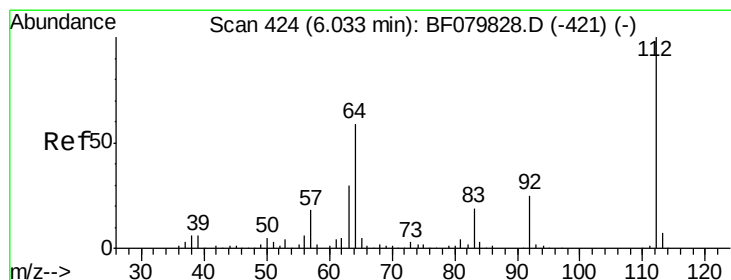
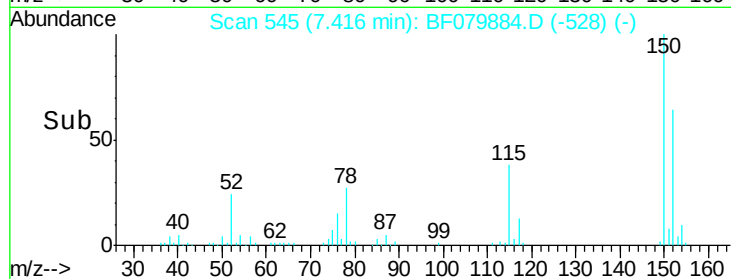
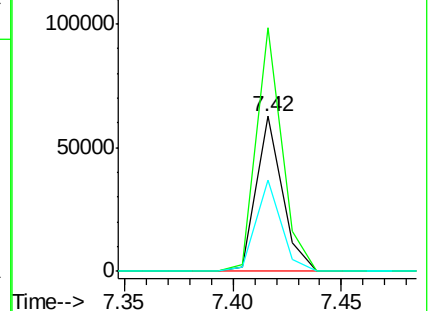
115 58.9 56.5 84.7



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: 142.32 ng

RT: 6.03 min Scan# 424

Delta R.T. -0.00 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

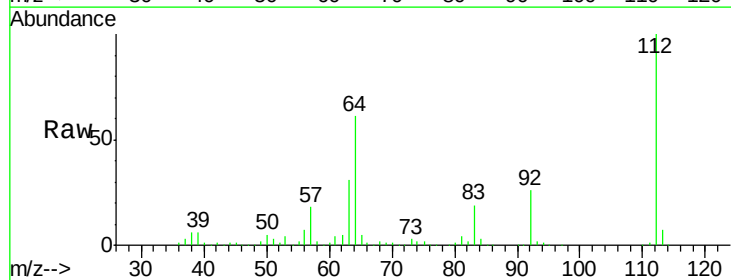
Tgt Ion:112 Resp: 448744

Ion Ratio Lower Upper

112 100

64 61.1 44.2 66.4

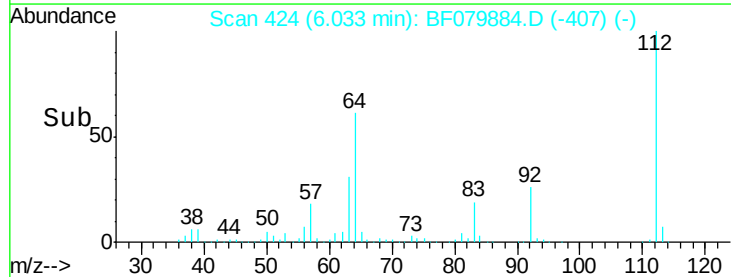
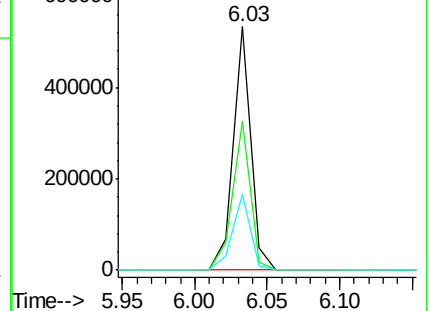
63 31.0 22.8 34.2

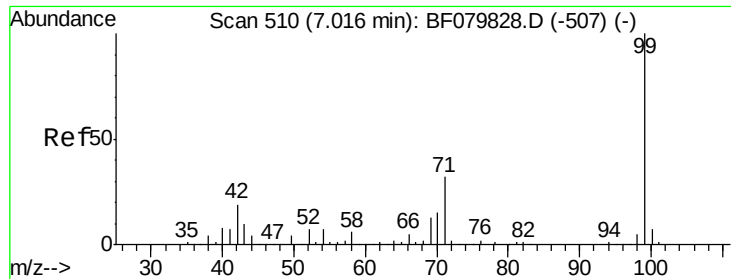


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.57 ng

RT: 7.02 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Instrument :

BNA\_F

ClientSampleId :

S4

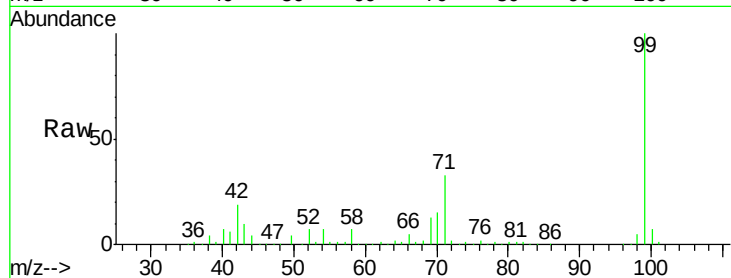
Tgt Ion: 99 Resp: 610185

Ion Ratio Lower Upper

99 100

42 18.8 13.7 20.5

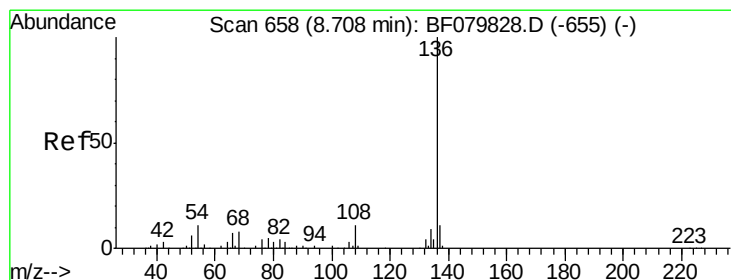
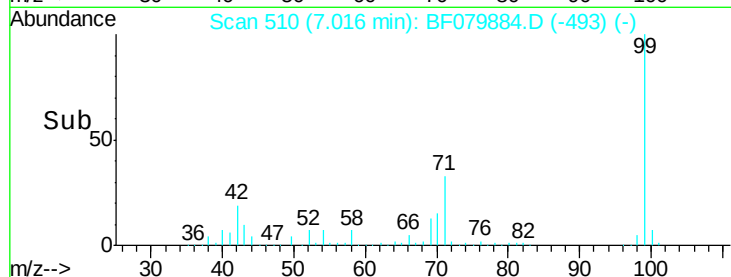
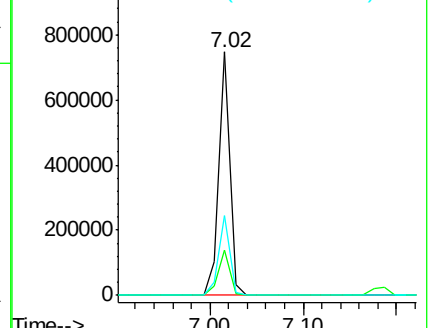
71 32.8 25.1 37.7



Abundance Ion 99.00 (98.70 to 99.70): BF079828.D (-507) (-)

Ion 42.00 (41.70 to 42.70): BF079828.D (-507) (-)

Ion 71.00 (70.70 to 71.70): BF079828.D (-507) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Tgt Ion: 136 Resp: 202295

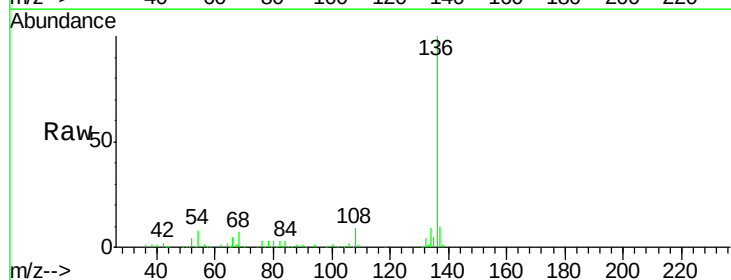
Ion Ratio Lower Upper

136 100

137 10.5 9.3 13.9

54 8.2 8.1 12.1

68 6.6 4.8 7.2

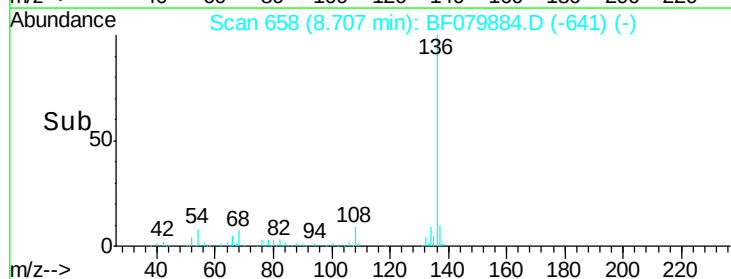
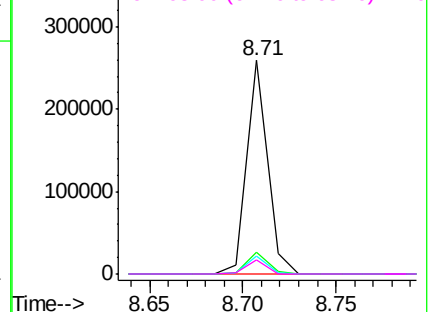


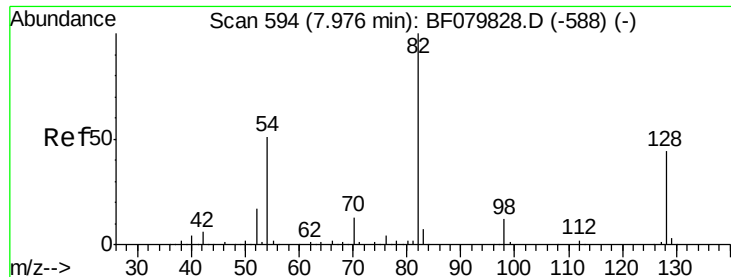
Abundance Ion 136.00 (135.70 to 136.70): BF079828.D (-655) (-)

Ion 137.00 (136.70 to 137.70): BF079828.D (-655) (-)

Ion 54.00 (53.70 to 54.70): BF079828.D (-655) (-)

Ion 68.00 (67.70 to 68.70): BF079828.D (-655) (-)

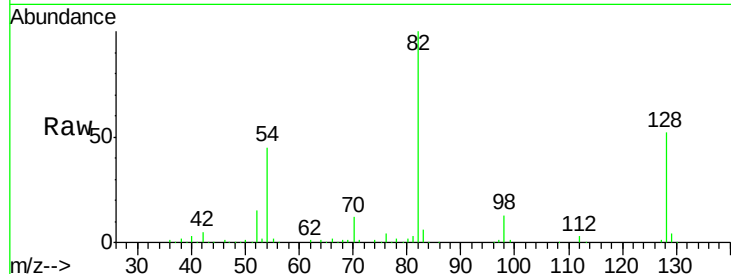




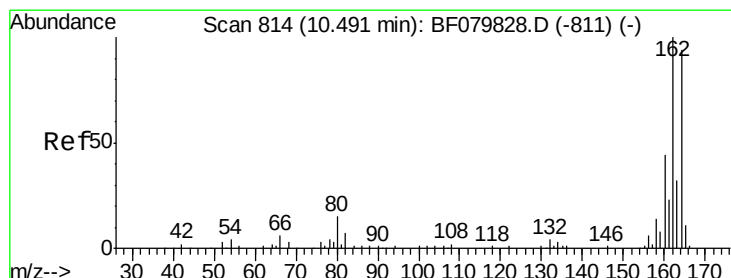
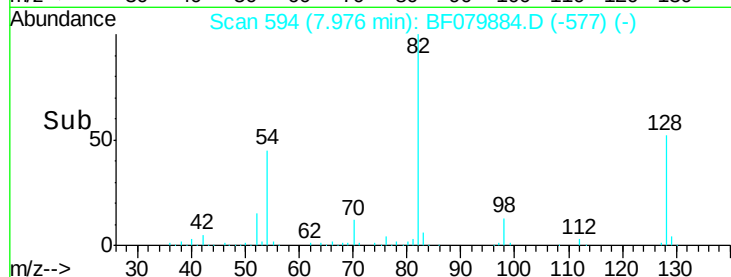
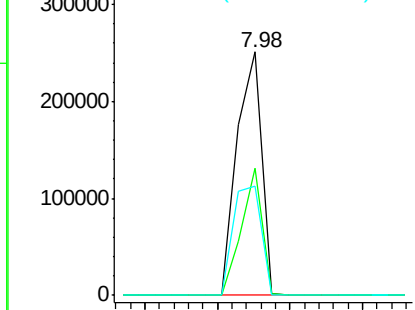
#23  
 Nitrobenzene-d5  
 Concen: 84.32 ng  
 RT: 7.98 min Scan# 594  
 Delta R.T. -0.00 min  
 Lab File: BF079884.D  
 Acq: 11 Jun 2015 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4

Tgt Ion: 82 Resp: 295281  
 Ion Ratio Lower Upper  
 82 100  
 128 52.4 35.2 52.8  
 54 44.8 39.2 58.8

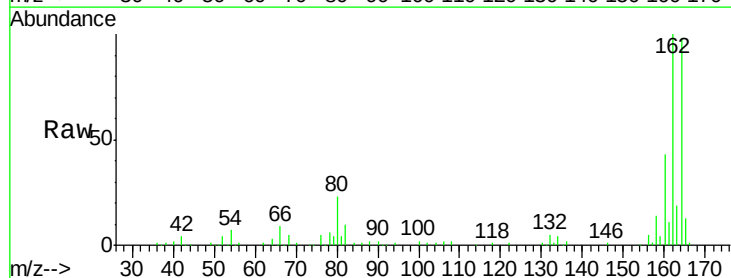


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

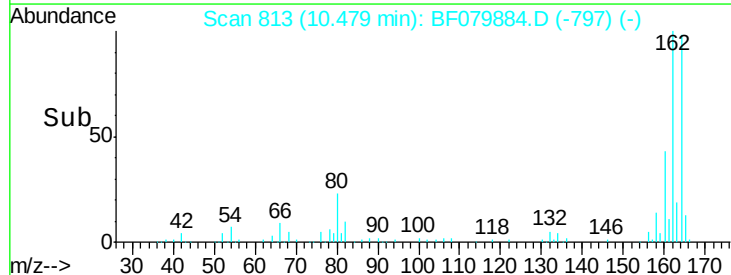
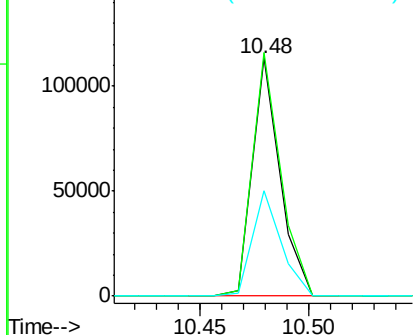


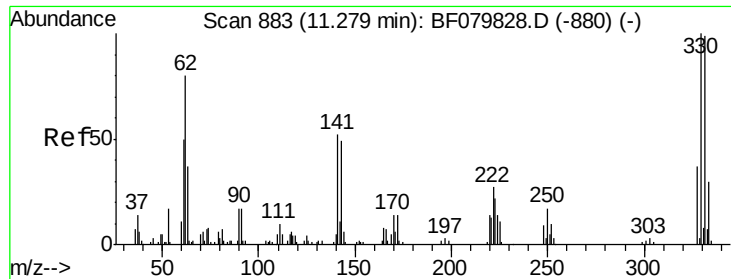
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.48 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF079884.D  
 Acq: 11 Jun 2015 2:31

Tgt Ion: 164 Resp: 99717  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 89.8 134.8  
 160 44.5 39.6 59.4



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

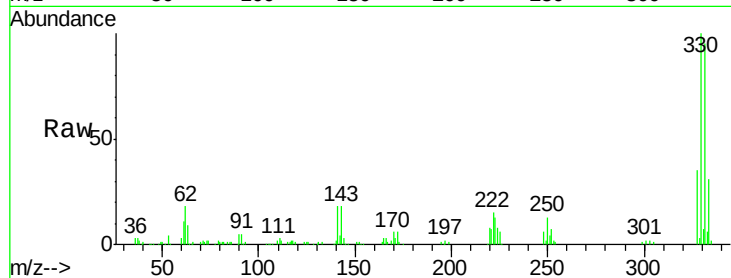




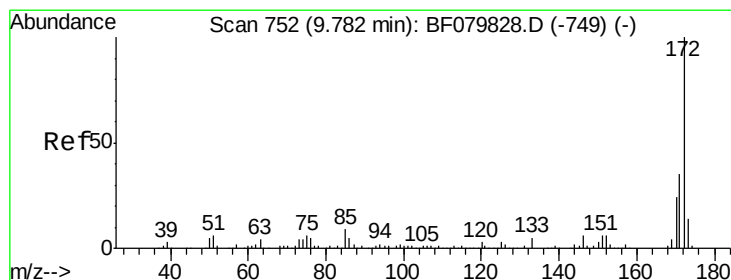
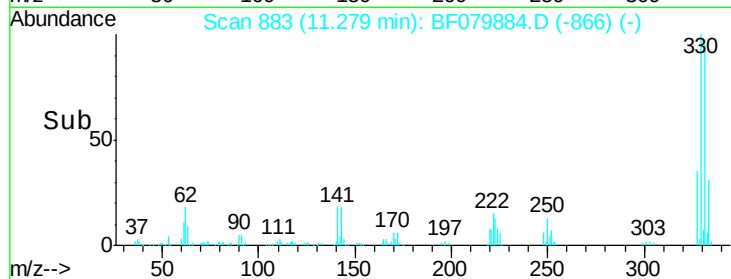
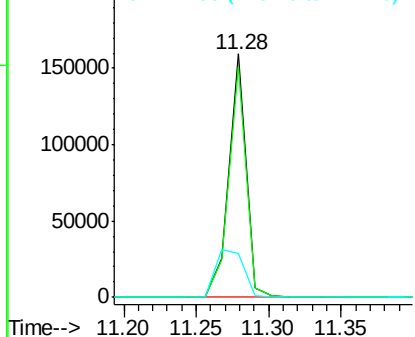
#41  
 2,4,6-Tribromophenol  
 Concen: 153.38 ng  
 RT: 11.28 min Scan# 883  
 Delta R.T. -0.00 min  
 Lab File: BF079884.D  
 Acq: 11 Jun 2015 2:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.1  | 76.8  | 115.2 |
| 141     | 31.9  | 29.1  | 43.7  |

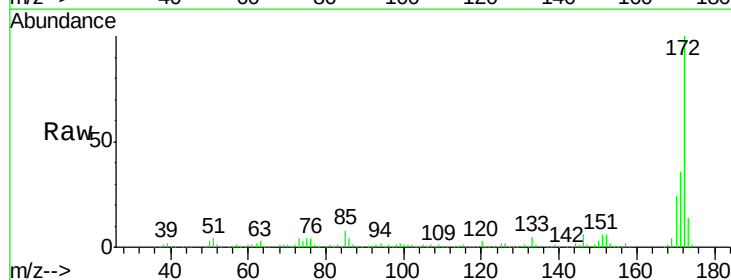


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

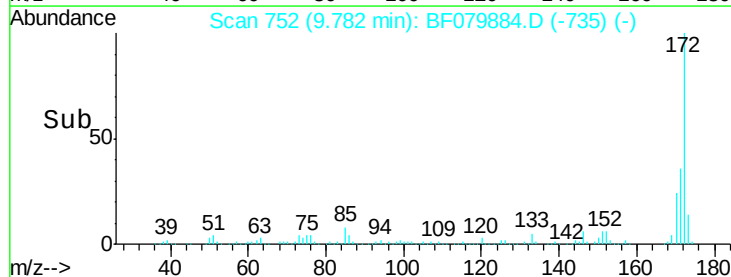
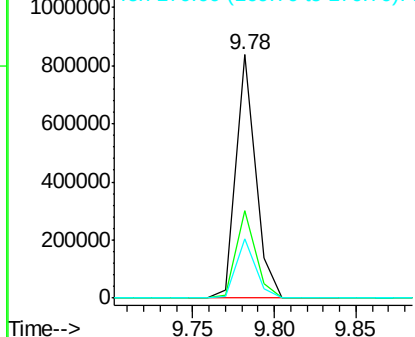


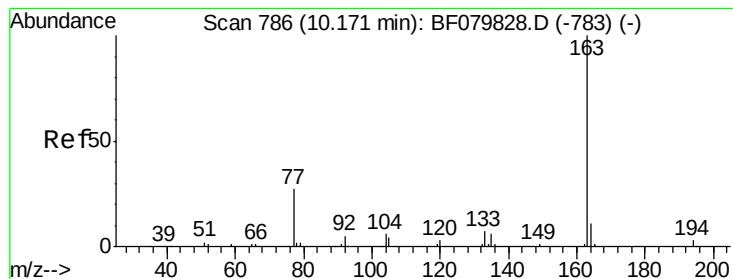
#44  
 2-Fluorobiphenyl  
 Concen: 97.63 ng  
 RT: 9.78 min Scan# 752  
 Delta R.T. -0.00 min  
 Lab File: BF079884.D  
 Acq: 11 Jun 2015 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 28.5  | 42.7  |
| 170     | 24.3  | 18.8  | 28.2  |



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: 6.65 ng

RT: 10.17 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Instrument :

BNA\_F

ClientSampleId :

S4

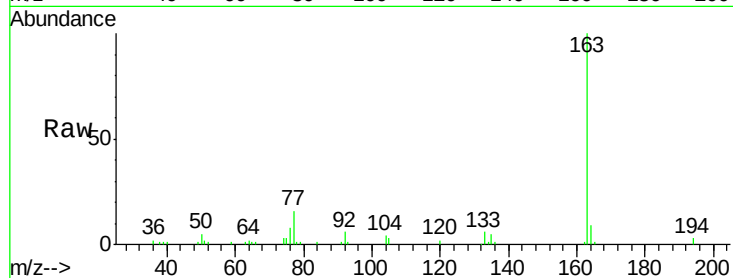
Tgt Ion:163 Resp: 51725

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

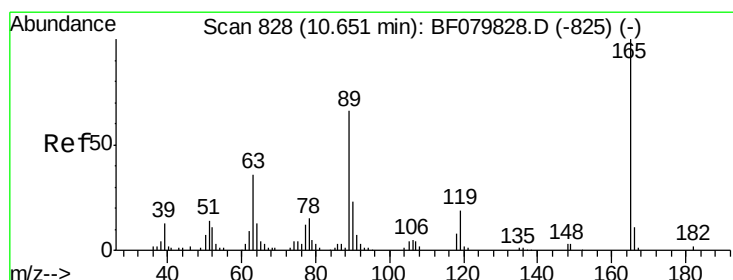
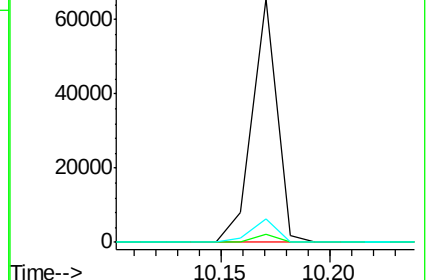
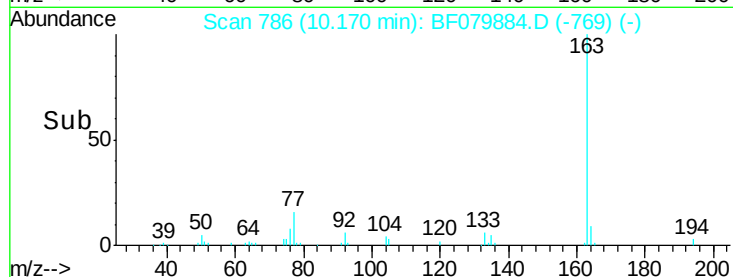
164 9.5 7.9 11.9



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



#56

2,4-Dinitrotoluene

Concen: 12.38 ng

RT: 10.48 min Scan# 813

Delta R.T. -0.17 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Tgt Ion:165 Resp: 12720

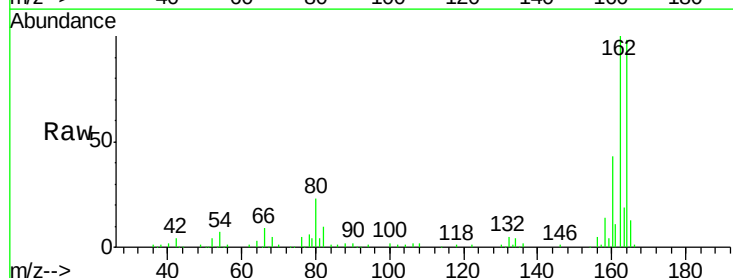
Ion Ratio Lower Upper

165 100

63 0.0 24.4 36.6#

89 0.0 45.3 67.9#

182 0.0 2.0 3.0#

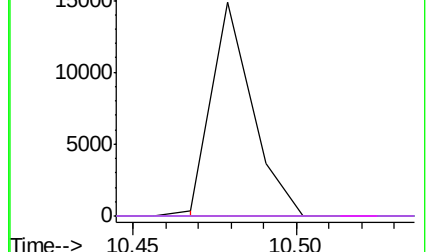
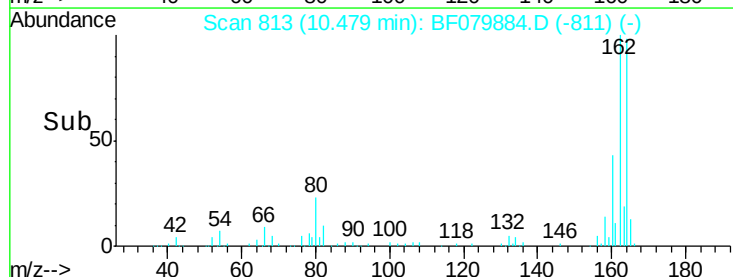


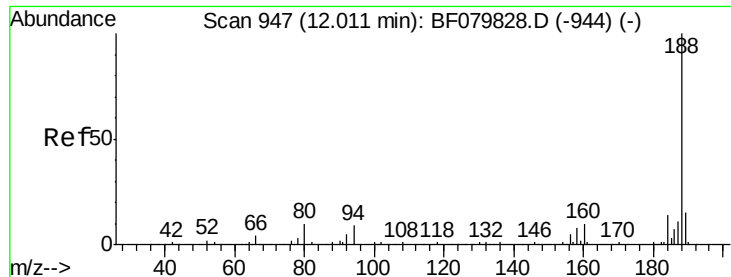
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

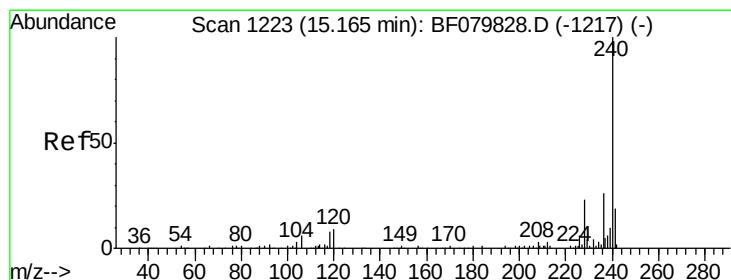
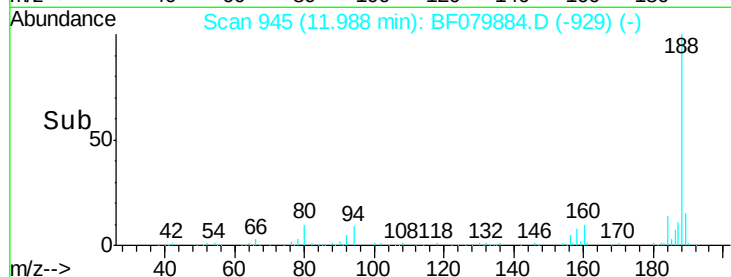
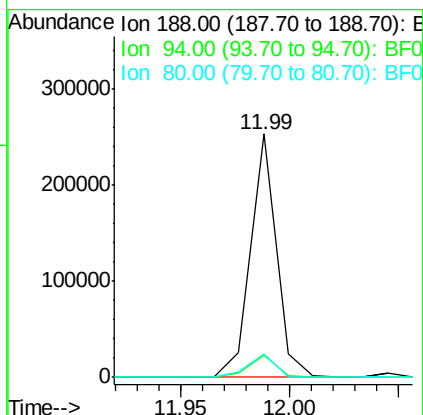
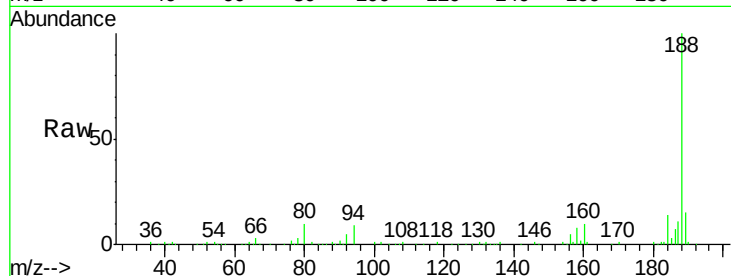




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.99 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF079884.D  
Acq: 11 Jun 2015 2:31

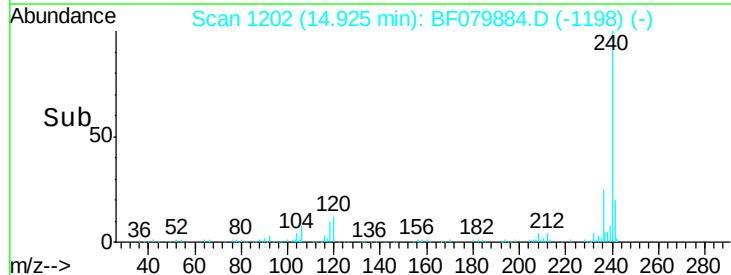
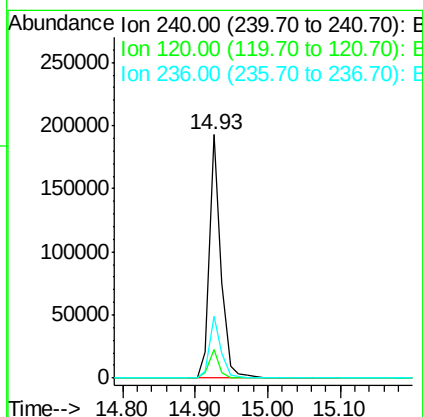
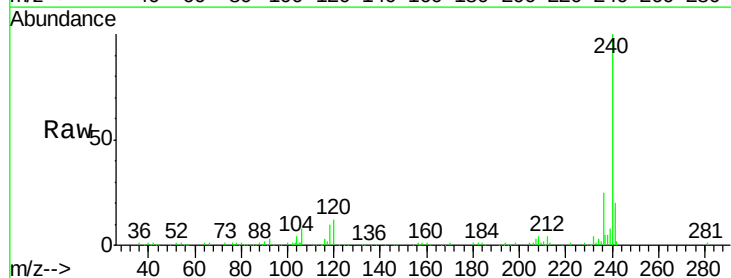
Instrument :  
BNA\_F  
ClientSampleId :  
S4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 7.4   | 11.0  |
| 80      | 9.9   | 8.0   | 12.0  |

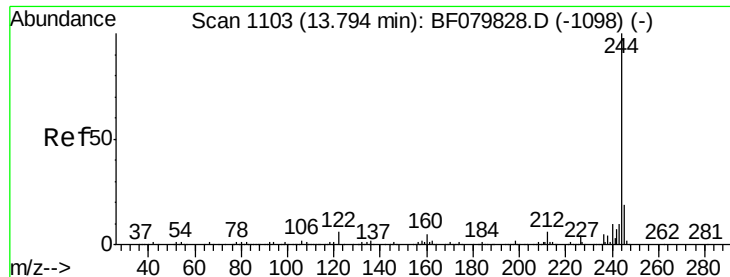


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.93 min Scan# 1202  
Delta R.T. -0.15 min  
Lab File: BF079884.D  
Acq: 11 Jun 2015 2:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 6.6   | 9.8#  |
| 236     | 25.4  | 20.2  | 30.4  |







#78

Terphenyl-d14

Concen: 92.95 ng

RT: 13.67 min Scan# 1092

Delta R.T. -0.07 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

Instrument :

BNA\_F

ClientSampleId :

S4

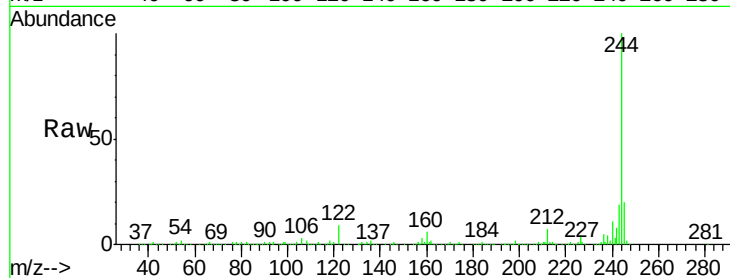
Tgt Ion:244 Resp: 873376

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

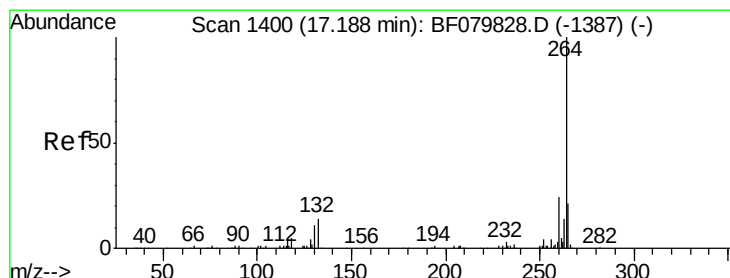
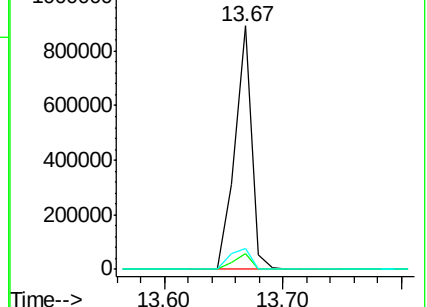
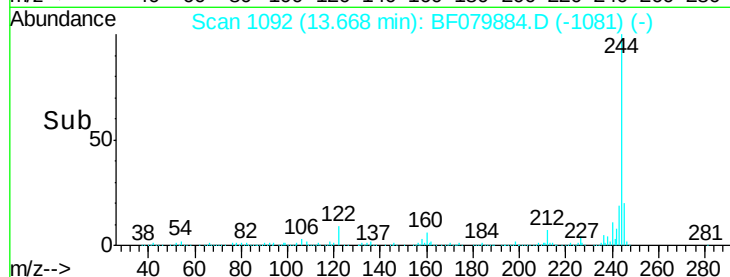
122 8.6 8.2 12.2



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: 16.82 min Scan# 1368

Delta R.T. -0.21 min

Lab File: BF079884.D

Acq: 11 Jun 2015 2:31

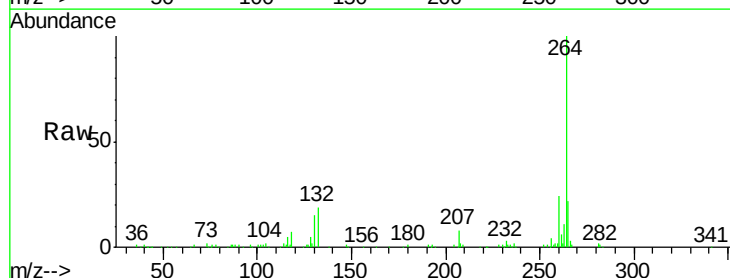
Tgt Ion:264 Resp: 193358

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.8 18.0 27.0



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

