

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061015\  
 Data File : BF079885.D  
 Acq On : 11 Jun 2015 3:00  
 Operator : TP/IZ  
 Sample : G2574-04  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S5

Quant Time: Jun 11 03:27:46 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

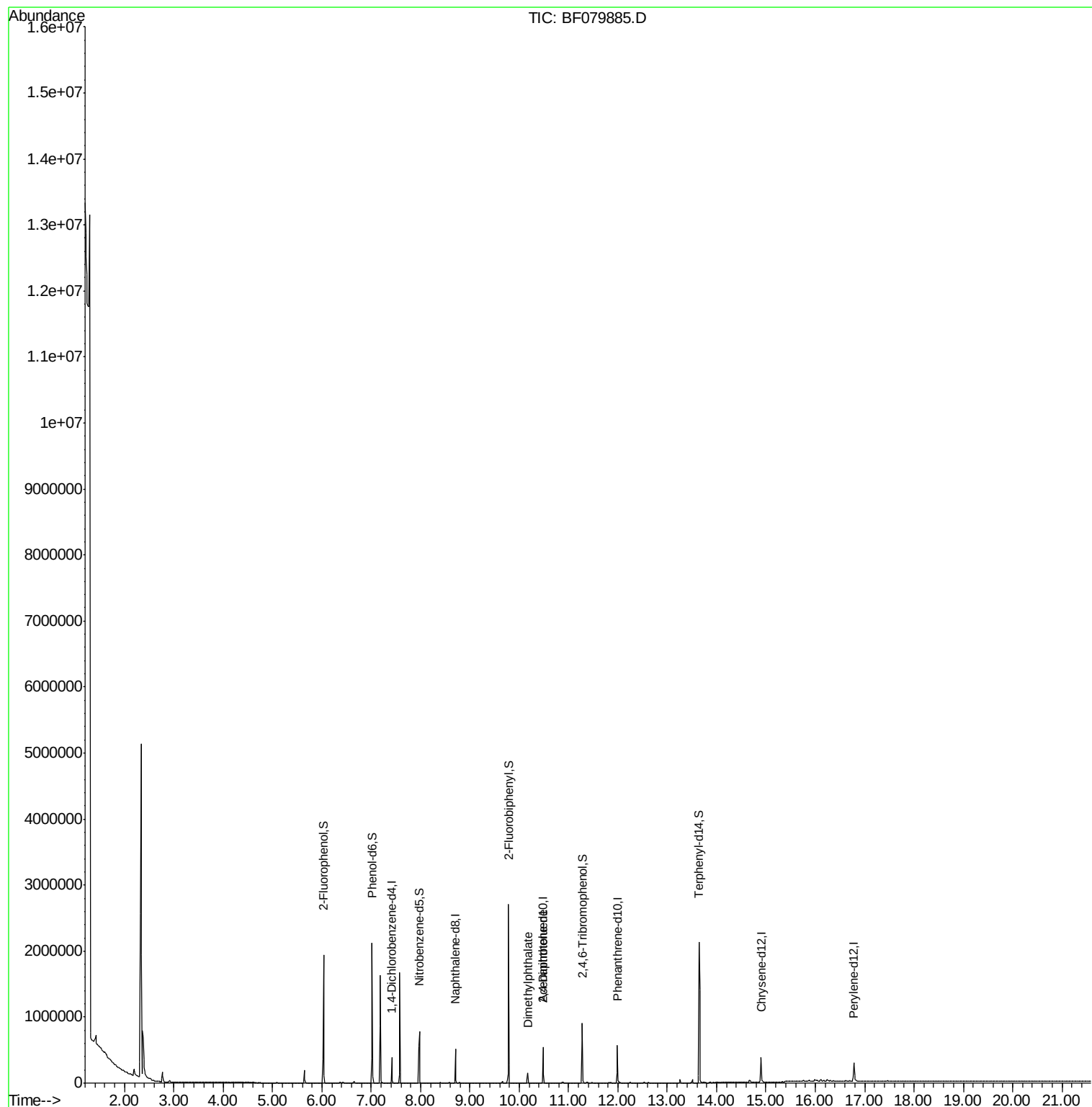
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 51748    | 20.00  | ng    | 0.00       |
| 21) Naphthalene-d8          | 8.71  | 136  | 200850   | 20.00  | ng    | 0.00       |
| 38) Acenaphthene-d10        | 10.48 | 164  | 102293   | 20.00  | ng    | -0.01      |
| 63) Phenanthrene-d10        | 11.99 | 188  | 211654   | 20.00  | ng    | -0.01      |
| 75) Chrysene-d12            | 14.90 | 240  | 203672   | 20.00  | ng    | -0.17      |
| 86) Perylene-d12            | 16.78 | 264  | 193938   | 20.00  | ng    | -0.25      |
| System Monitoring Compounds |       |      |          |        |       |            |
| 5) 2-Fluorophenol           | 6.03  | 112  | 466086   | 148.44 | ng    | 0.00       |
| 7) Phenol-d6                | 7.02  | 99   | 634180   | 156.10 | ng    | 0.00       |
| 23) Nitrobenzene-d5         | 7.98  | 82   | 311674   | 89.64  | ng    | 0.00       |
| 41) 2,4,6-Tribromophenol    | 11.28 | 330  | 140121   | 158.28 | ng    | 0.00       |
| 44) 2-Fluorobiphenyl        | 9.78  | 172  | 729420   | 100.29 | ng    | 0.00       |
| 78) Terphenyl-d14           | 13.65 | 244  | 906674   | 100.36 | ng    | -0.09      |
| Target Compounds            |       |      |          |        |       |            |
| 49) Dimethylphthalate       | 10.17 | 163  | 66618    | 8.35   | ng    | Qvalue 100 |
| 56) 2,4-Dinitrotoluene      | 10.48 | 165  | 12871    | 12.31  | ng    | # 32       |

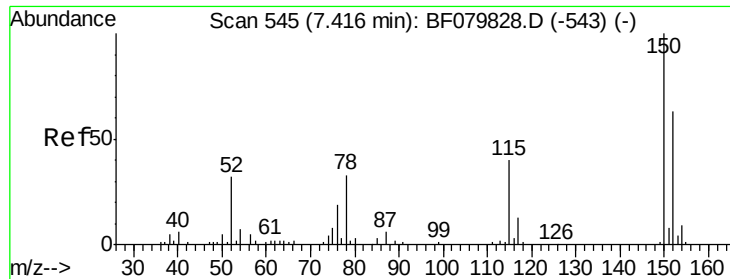
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF061015\  
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BNA\_F  
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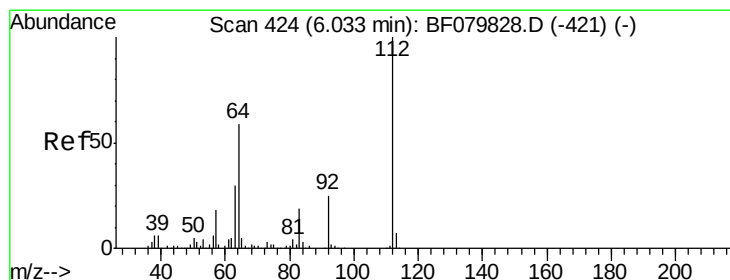
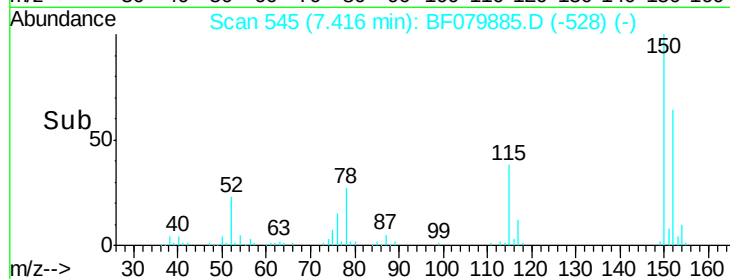
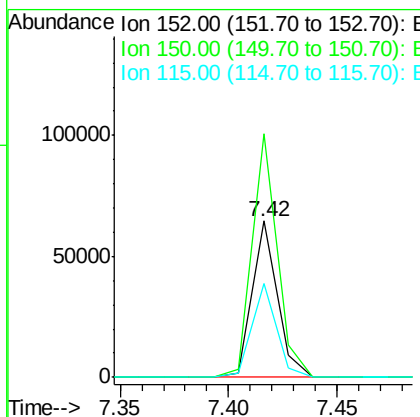
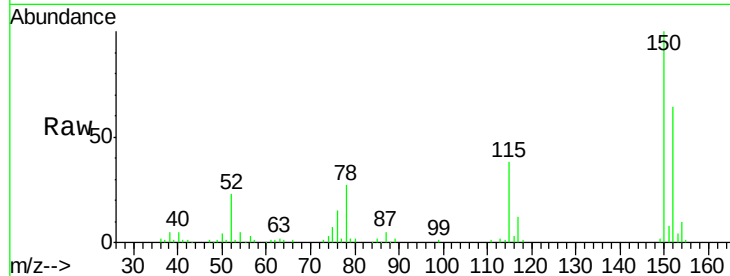




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.42 min Scan# 545  
 Delta R.T. 0.00 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

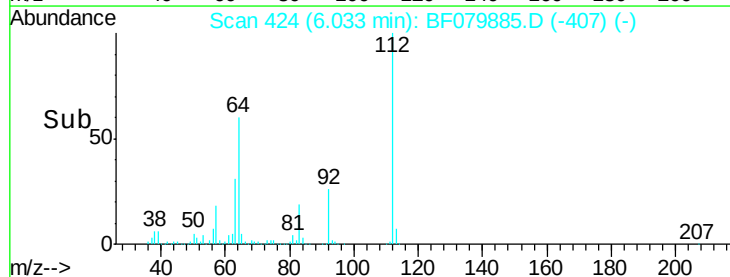
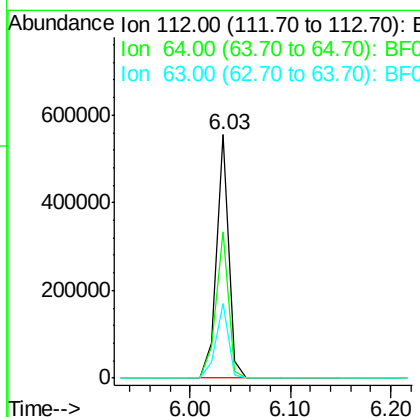
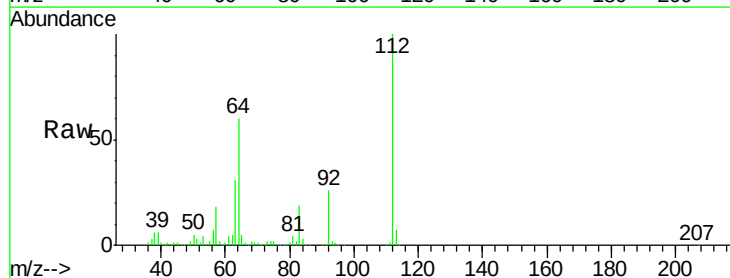
Instrument :  
 BNA\_F  
 ClientSampled :  
 S5

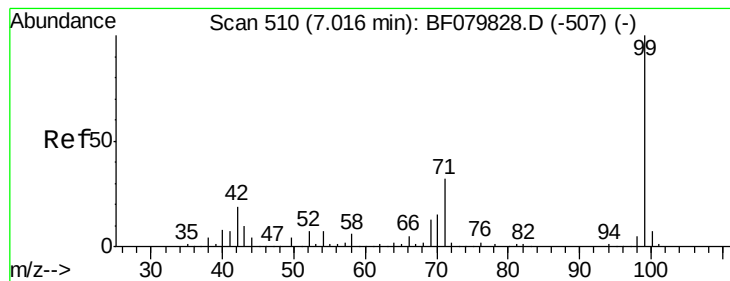
Tgt Ion:152 Resp: 51748  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 131.4 197.2  
 115 60.0 56.5 84.7



#5  
 2-Fluorophenol  
 Concen: 148.44 ng  
 RT: 6.03 min Scan# 424  
 Delta R.T. 0.00 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

Tgt Ion:112 Resp: 466086  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 44.2 66.4  
 63 30.7 22.8 34.2





#7

Phenol-d6

Concen: 156.10 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Instrument :

BNA\_F

ClientSampleId :

S5

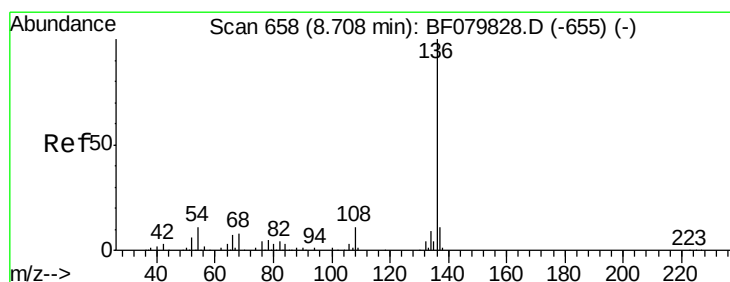
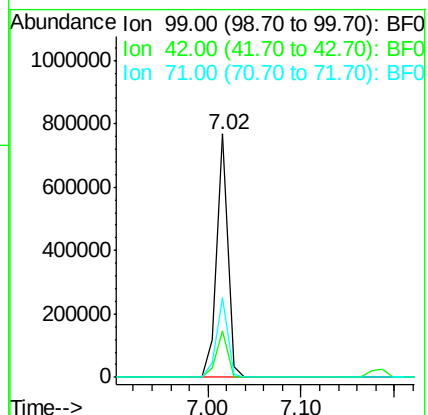
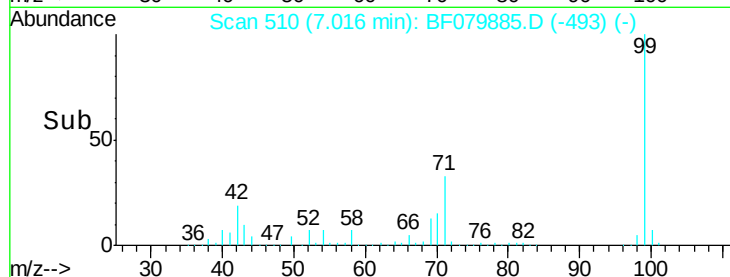
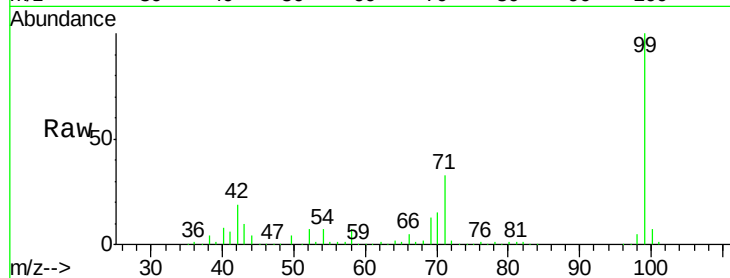
Tgt Ion: 99 Resp: 634180

Ion Ratio Lower Upper

99 100

42 18.9 13.7 20.5

71 32.9 25.1 37.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Tgt Ion: 136 Resp: 200850

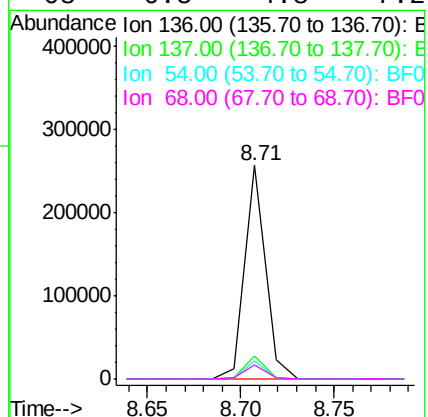
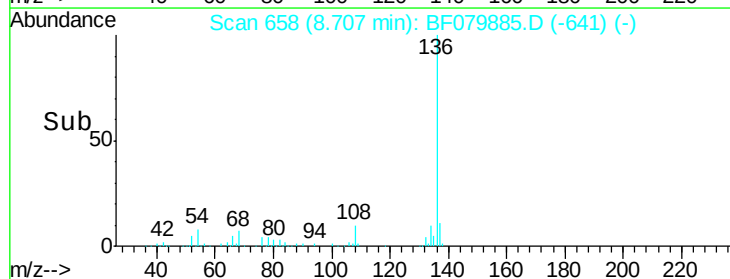
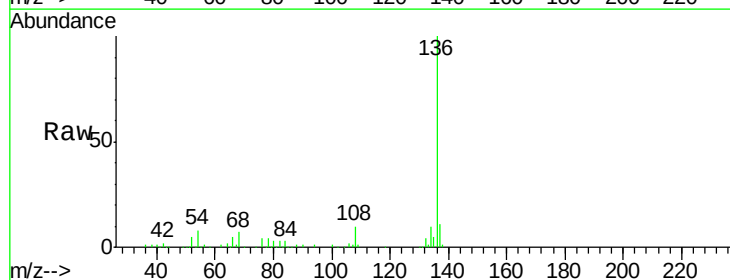
Ion Ratio Lower Upper

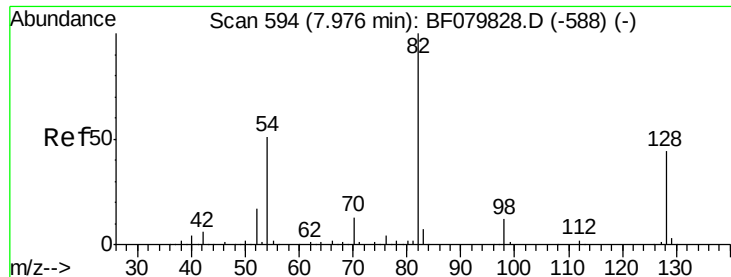
136 100

137 11.0 9.3 13.9

54 8.3 8.1 12.1

68 6.5 4.8 7.2

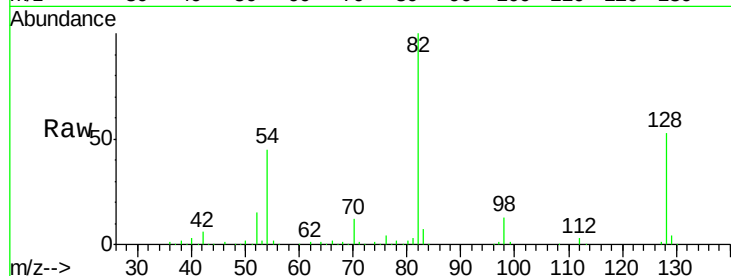




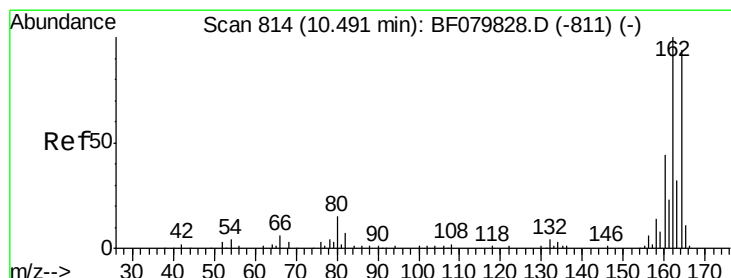
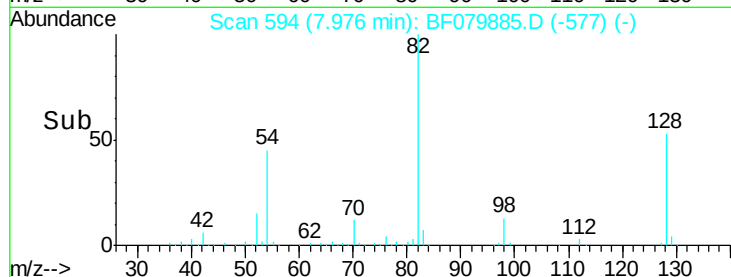
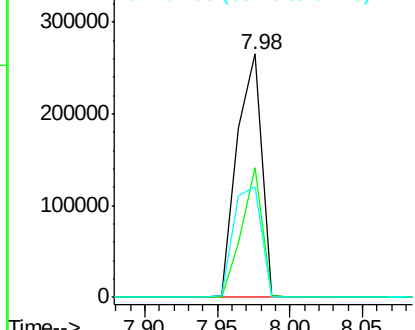
#23  
 Nitrobenzene-d5  
 Concen: 89.64 ng  
 RT: 7.98 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S5

Tgt Ion: 82 Resp: 311674  
 Ion Ratio Lower Upper  
 82 100  
 128 53.4 35.2 52.8#  
 54 45.1 39.2 58.8

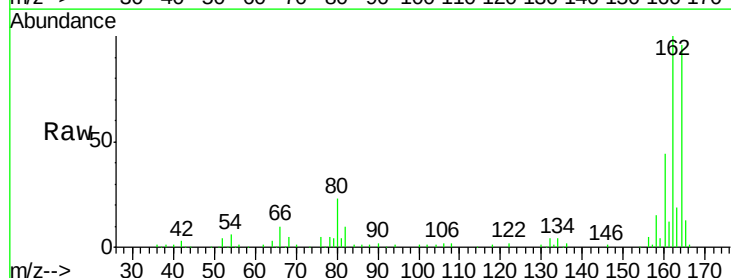


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

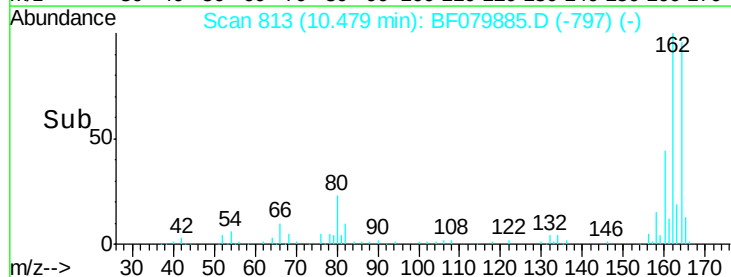
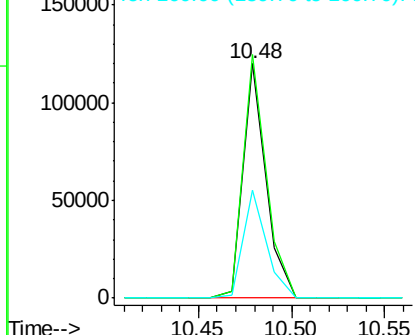


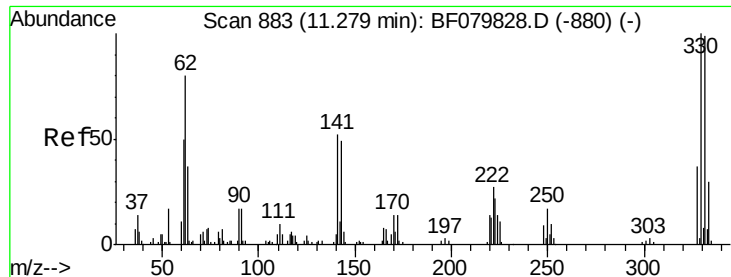
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.48 min Scan# 813  
 Delta R.T. -0.01 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

Tgt Ion: 164 Resp: 102293  
 Ion Ratio Lower Upper  
 164 100  
 162 103.9 89.8 134.8  
 160 45.9 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

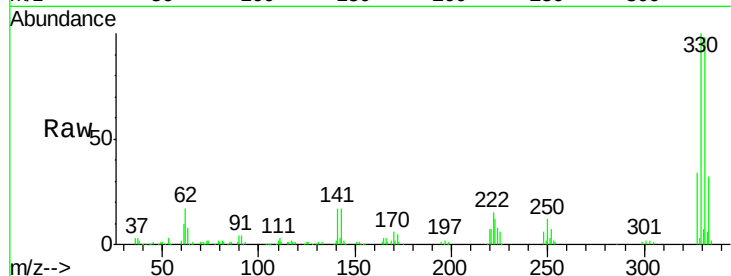




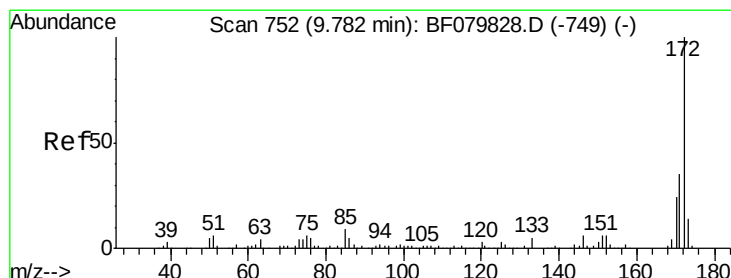
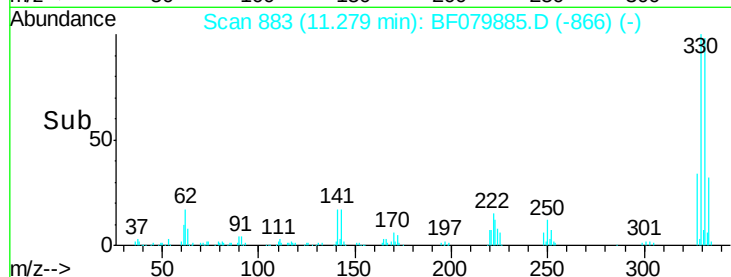
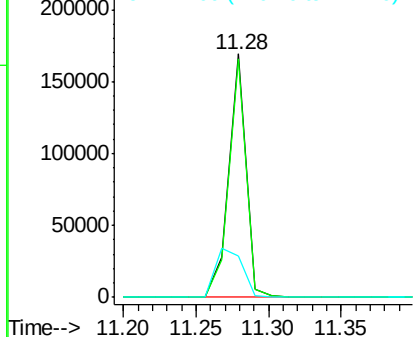
#41  
 2,4,6-Tribromophenol  
 Concen: 158.28 ng  
 RT: 11.28 min Scan# 883  
 Delta R.T. -0.00 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

Instrument :  
 BNA\_F  
 ClientSampled :  
 S5

Tgt Ion:330 Resp: 140121  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.8 115.2  
 141 31.5 29.1 43.7

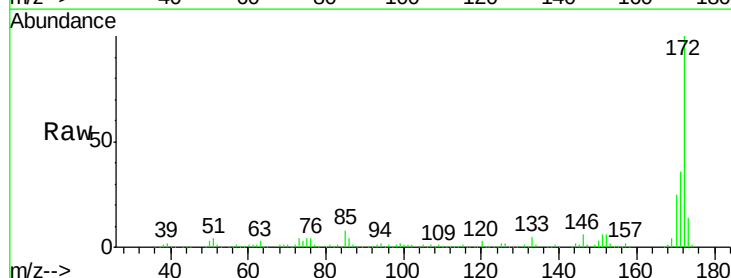


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

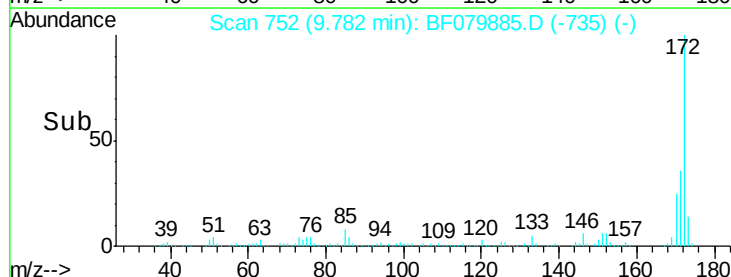
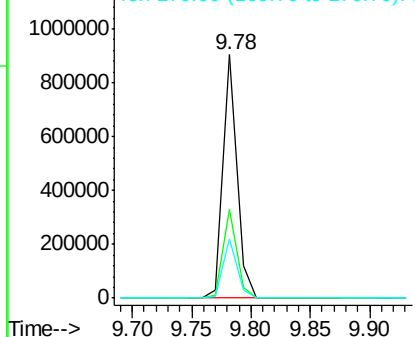


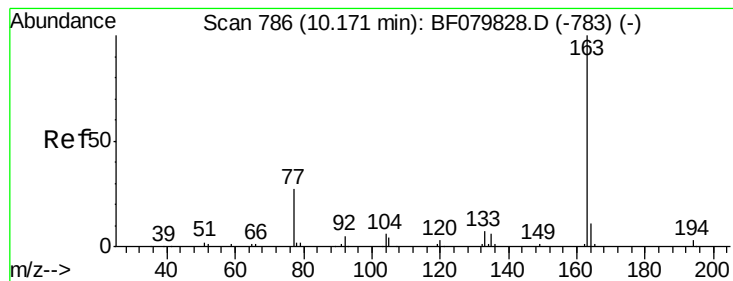
#44  
 2-Fluorobiphenyl  
 Concen: 100.29 ng  
 RT: 9.78 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: BF079885.D  
 Acq: 11 Jun 2015 3:00

Tgt Ion:172 Resp: 729420  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.5 42.7  
 170 24.6 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: 8.35 ng

RT: 10.17 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Instrument :

BNA\_F

ClientSampled :

S5

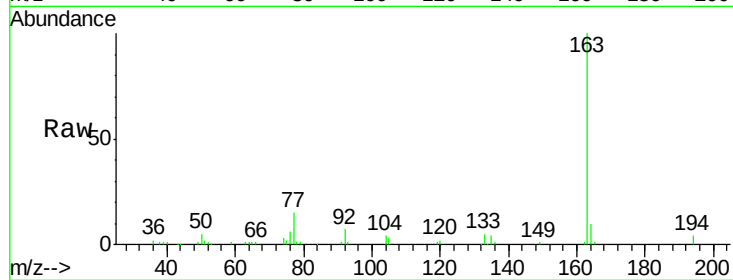
Tgt Ion:163 Resp: 66618

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

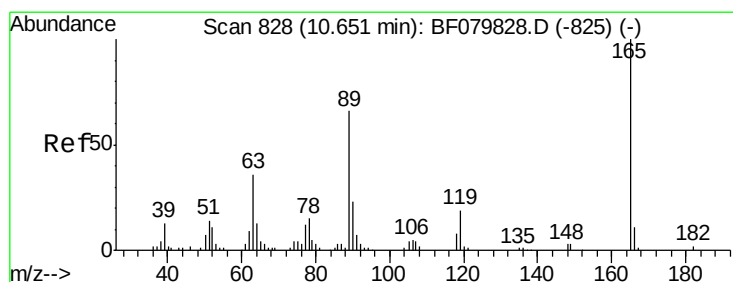
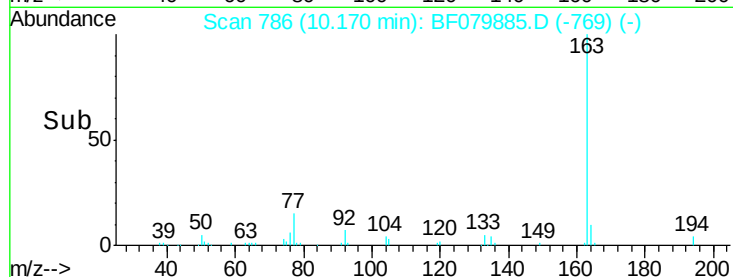
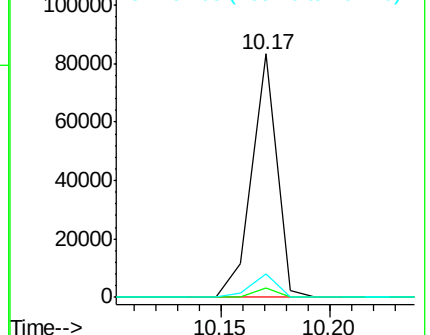
164 9.7 7.9 11.9



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: 12.31 ng

RT: 10.48 min Scan# 813

Delta R.T. -0.17 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Tgt Ion:165 Resp: 12871

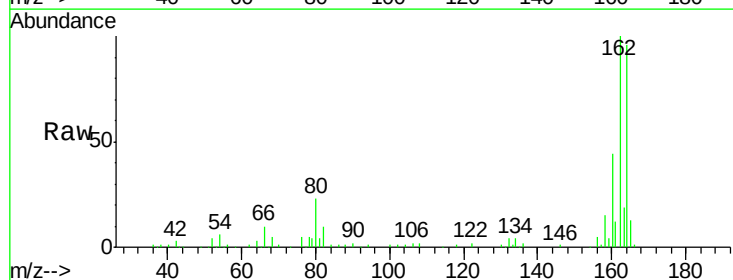
Ion Ratio Lower Upper

165 100

63 0.0 24.4 36.6#

89 0.0 45.3 67.9#

182 0.0 2.0 3.0#

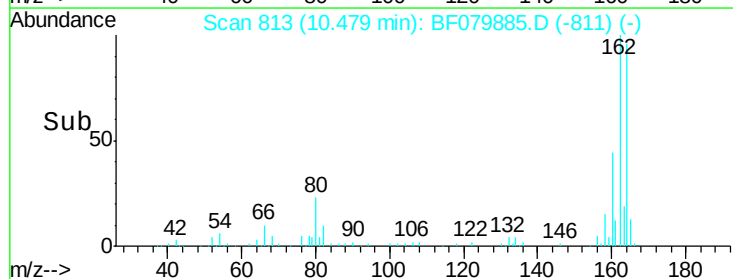
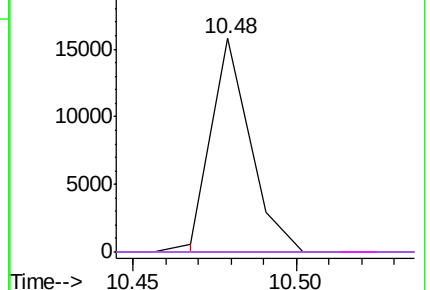


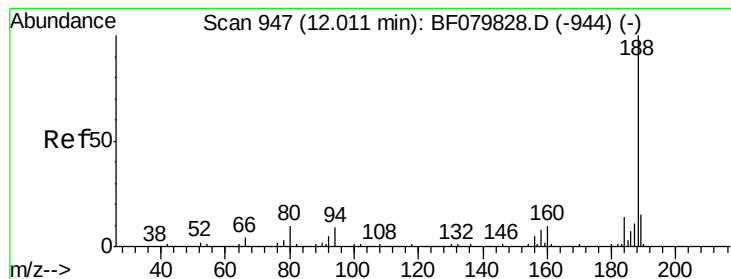
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF079885.D

Acq: 11 Jun 2015 3:00

Instrument :

BNA\_F

ClientSampleId :

S5

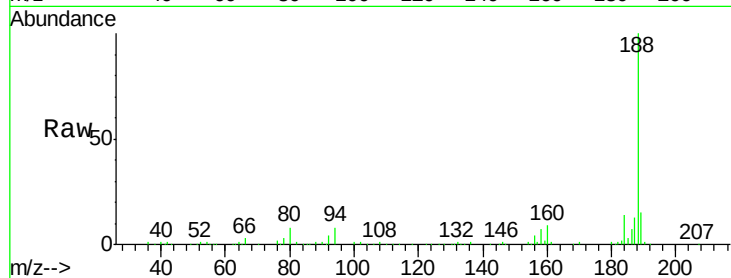
Tgt Ion:188 Resp: 211654

Ion Ratio Lower Upper

188 100

94 8.0 7.4 11.0

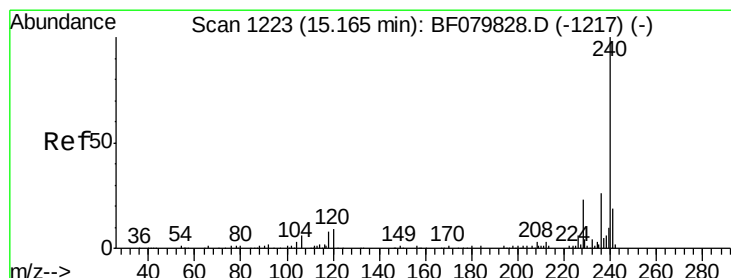
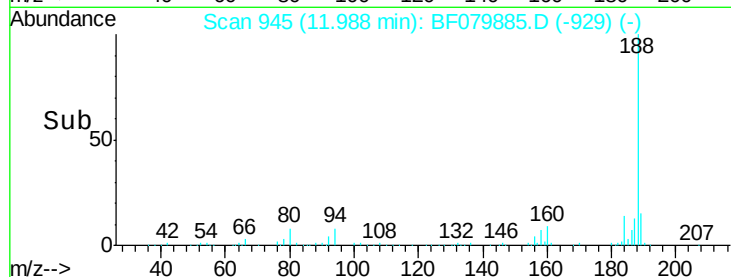
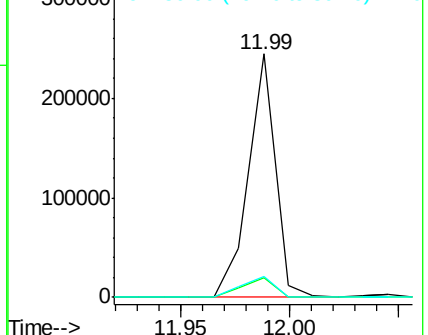
80 8.5 8.0 12.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.90 min Scan# 1200

Delta R.T. -0.17 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

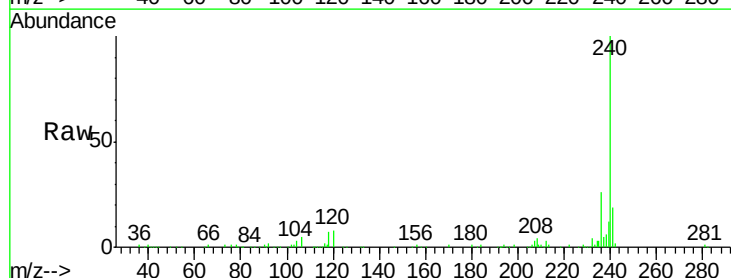
Tgt Ion:240 Resp: 203672

Ion Ratio Lower Upper

240 100

120 7.7 6.6 9.8

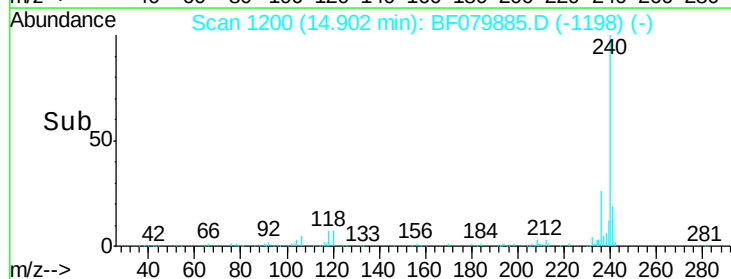
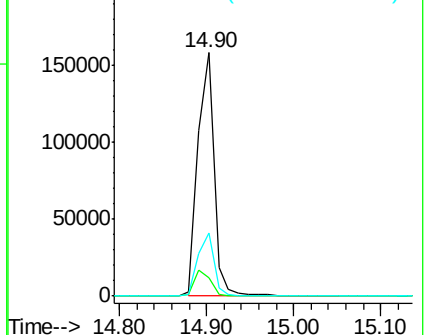
236 25.7 20.2 30.4



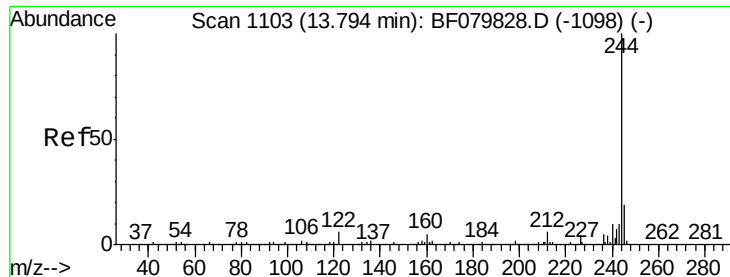
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 100.36 ng

RT: 13.65 min Scan# 1090

Delta R.T. -0.09 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Instrument :

BNA\_F

ClientSampleId :

S5

Tgt Ion:244 Resp: 906674

Ion Ratio Lower Upper

244 100

212 7.5

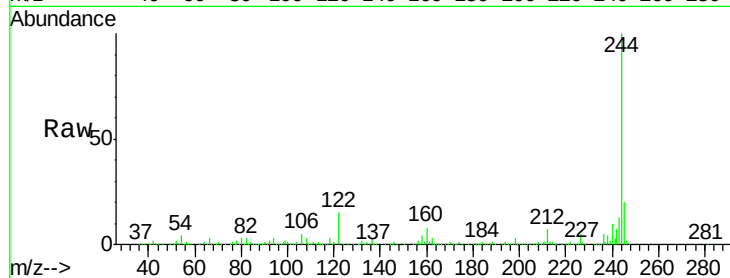
122 14.8

5.6

8.2

8.4

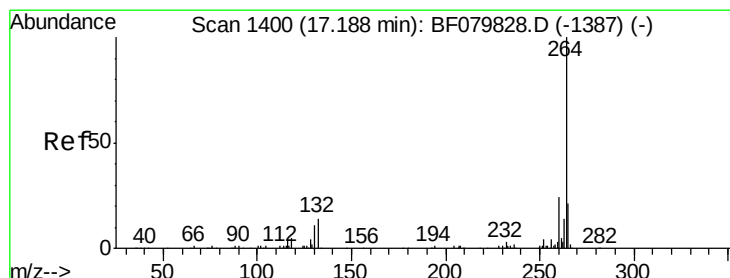
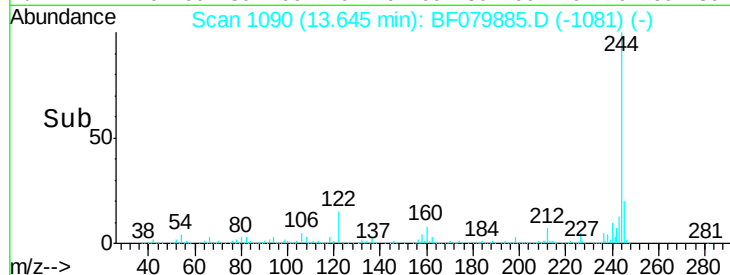
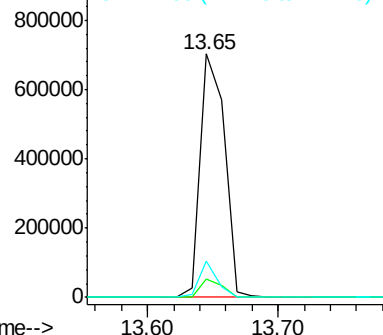
12.2#



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: 16.78 min Scan# 1364

Delta R.T. -0.25 min

Lab File: BF079885.D

Acq: 11 Jun 2015 3:00

Tgt Ion:264 Resp: 193938

Ion Ratio Lower Upper

264 100

260 23.1

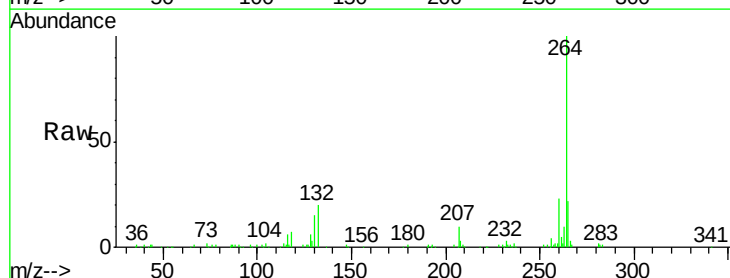
265 21.6

19.5

18.0

29.3

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

