

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\  
 Data File : BF087011.D  
 Acq On : 14 May 2016 10:53  
 Operator : UM/SJ  
 Sample : H2947-09  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-22

Quant Time: May 16 01:43:57 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 16 01:11:12 2016  
 Response via : Initial Calibration

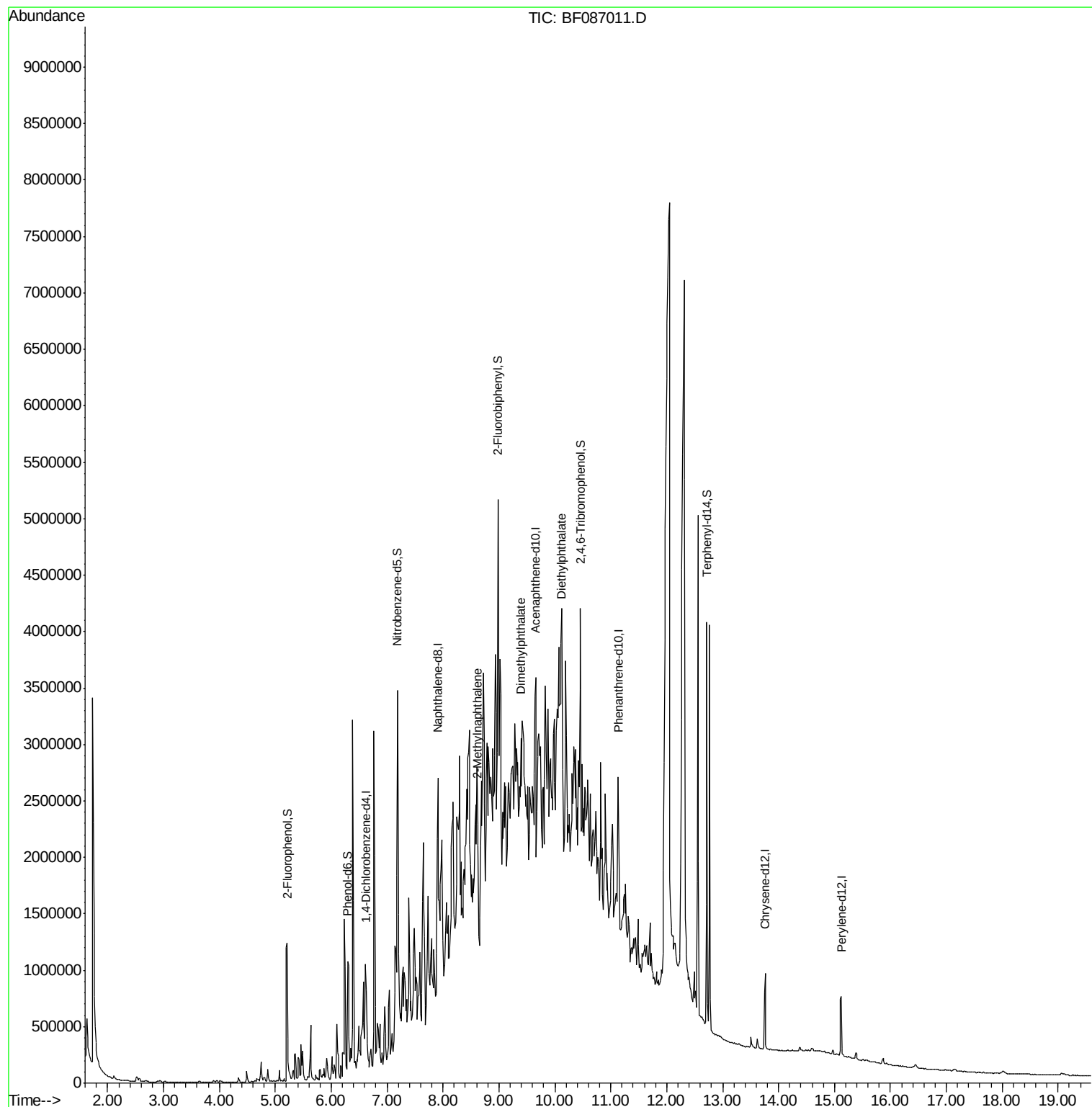
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 141551   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.91  | 136  | 516471   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.66  | 164  | 360088   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.13 | 188  | 408073   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.76 | 240  | 304681   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.12 | 264  | 290905   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 530309   | 63.45 | ng    | 0.01     |
| 7) Phenol-d6                | 6.30  | 99   | 441500   | 39.52 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 964020   | 93.72 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330  | 353137   | 92.63 | ng    | 0.01     |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 1477455  | 68.96 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.72 | 244  | 1064010  | 74.09 | ng    | 0.01     |
| Target Compounds            |       |      |          |       |       |          |
| 37) 2-Methylnaphthalene     | 8.62  | 142  | 63457    | 4.20  | ng    | # 85     |
| 49) Dimethylphthalate       | 9.39  | 163  | 155304   | 5.65  | ng    | # 78     |
| 59) Diethylphthalate        | 10.11 | 149  | 147919   | 5.53  | ng    | # 76     |

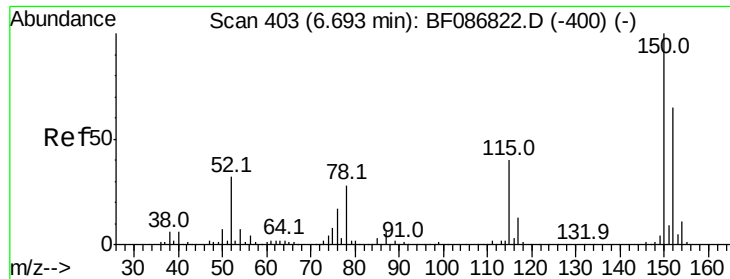
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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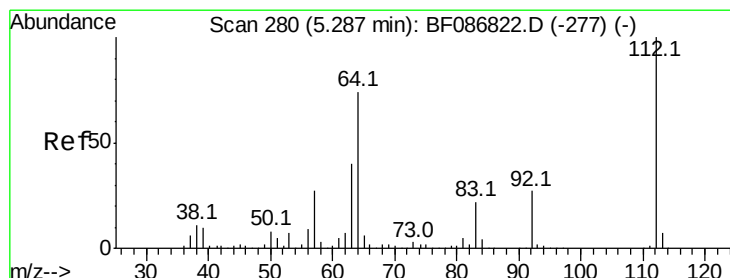
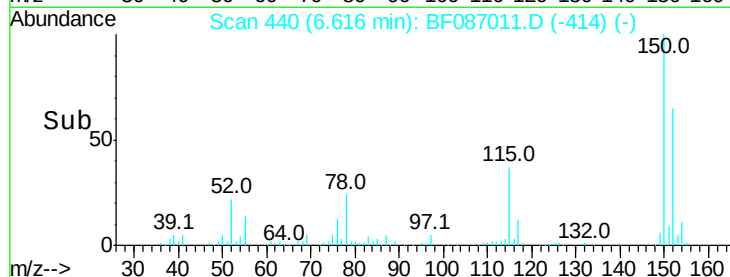
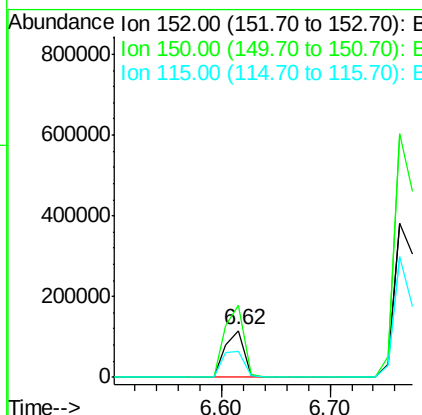
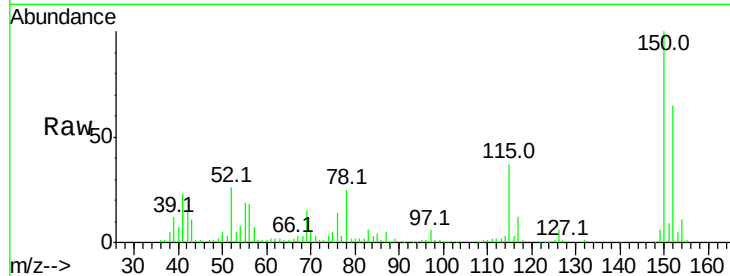


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.62 min Scan# 440  
Delta R.T. 0.00 min  
Lab File: BF087011.D  
Acq: 14 May 2016 10:53

Instrument :  
BNA\_F  
ClientSampleId :  
MW-22

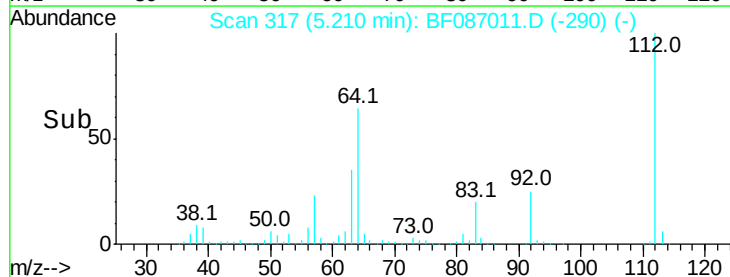
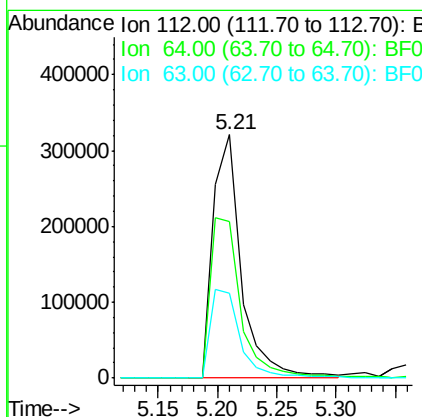
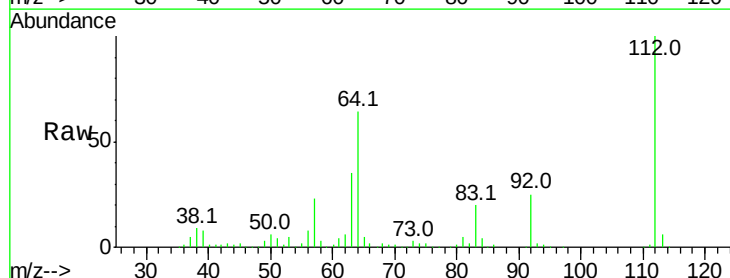
Tot Ion:152 Resp: 141551  
Ion Ratio Lower Upper  
152 100  
150 152.9 125.8 188.6  
115 56.4 51.5 77.3

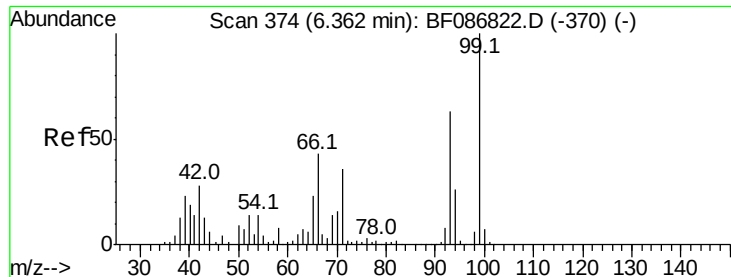


#5

2-Fluorophenol  
Concen: 63.45 ng  
RT: 5.21 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: BF087011.D  
Acq: 14 May 2016 10:53

Tgt Ion:112 Resp: 530309  
Ion Ratio Lower Upper  
112 100  
64 64.5 52.1 78.1  
63 34.7 25.7 38.5





#7

Phenol-d6

Concen: 39.52 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.01 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA\_F

ClientSampleId :

MW-22

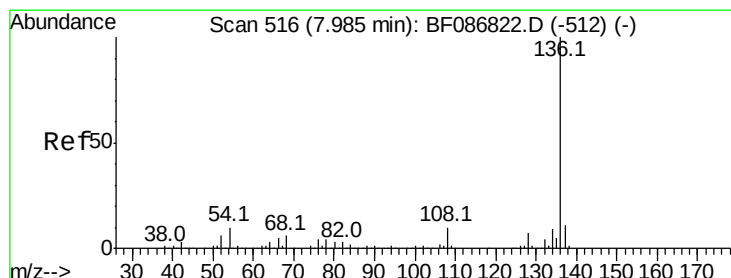
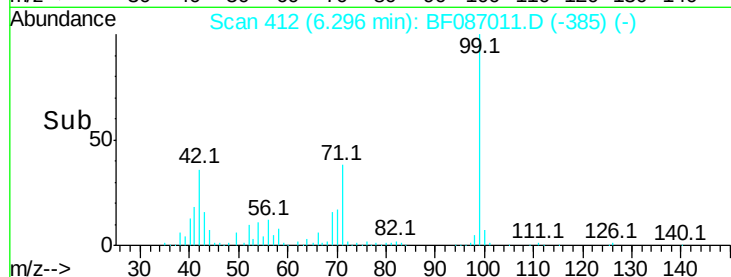
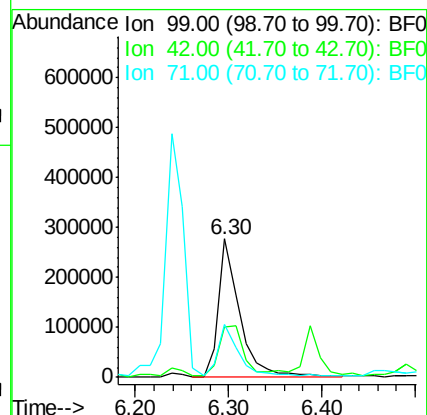
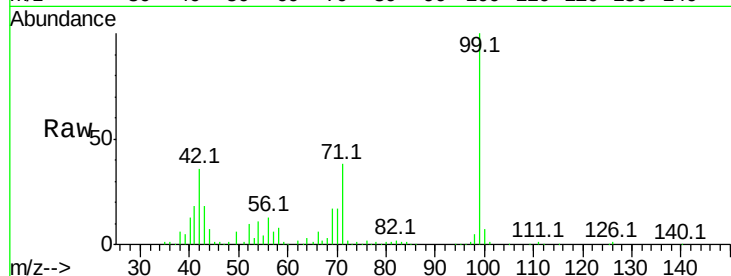
Tot Ion: 99 Resp: 441500

Ion Ratio Lower Upper

99 100

42 36.2 13.6 20.4#

71 38.2 24.6 36.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Tgt Ion: 136 Resp: 516471

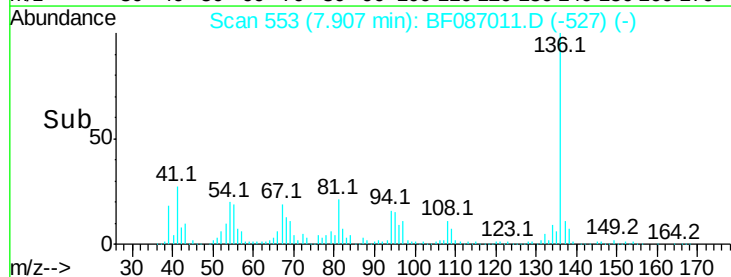
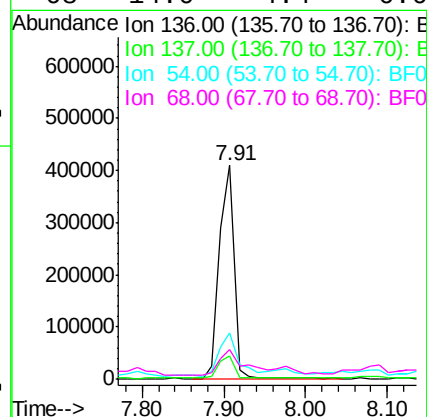
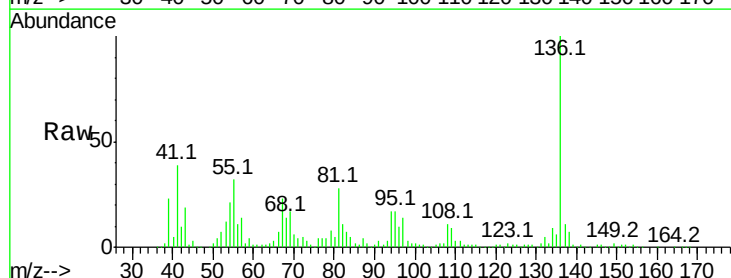
Ion Ratio Lower Upper

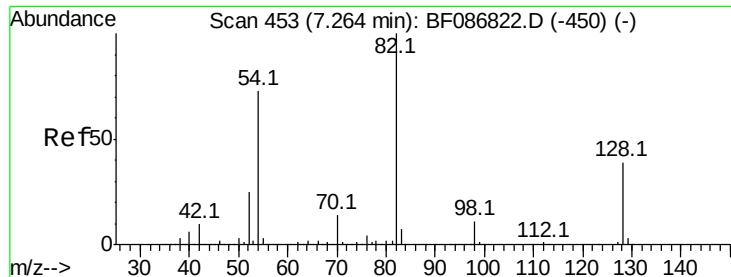
136 100

137 10.9 8.8 13.2

54 21.4 5.0 7.4#

68 14.0 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 93.72 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA\_F

ClientSampleId :

MW-22

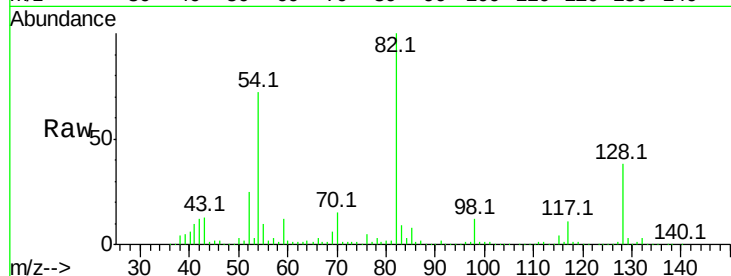
Tot Ion: 82 Resp: 964020

Ion Ratio Lower Upper

82 100

128 37.7 40.6 61.0#

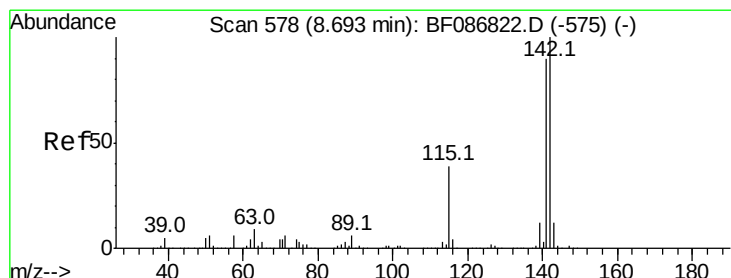
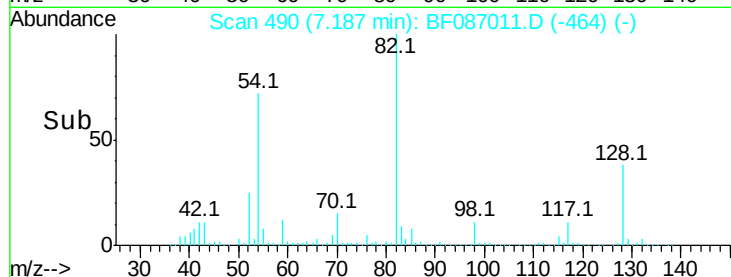
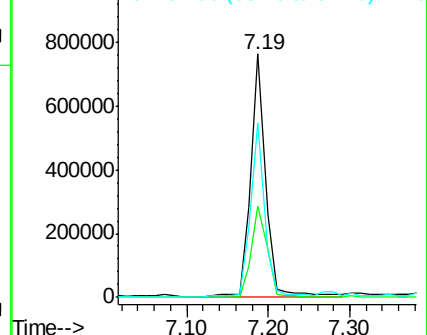
54 71.9 38.1 57.1#



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



#37

2-Methylnaphthalene

Concen: 4.20 ng

RT: 8.62 min Scan# 615

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

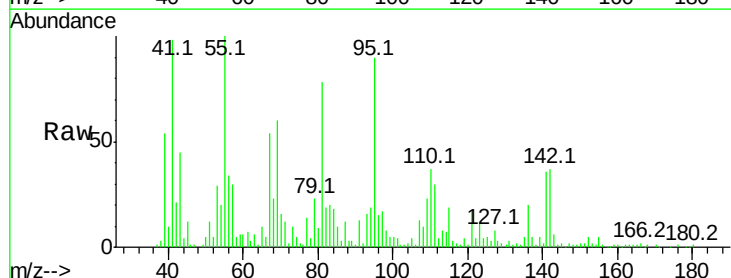
Tgt Ion: 142 Resp: 63457

Ion Ratio Lower Upper

142 100

141 96.7 71.0 106.6

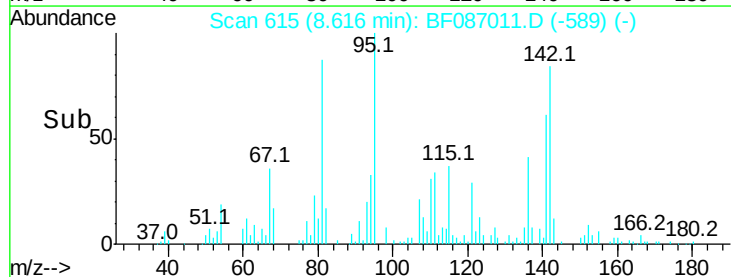
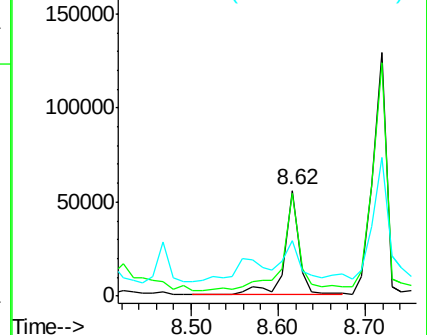
115 52.2 26.6 39.8#

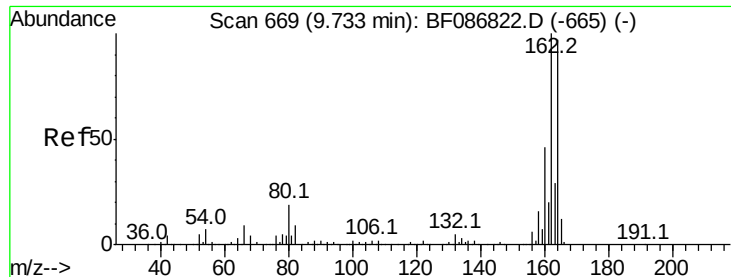


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA\_F

ClientSampleId :

MW-22

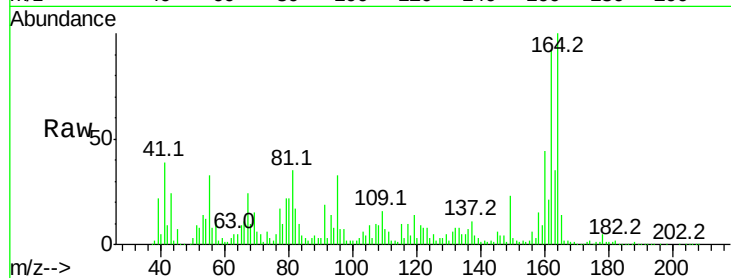
Tot Ion:164 Resp: 360088

Ion Ratio Lower Upper

164 100

162 92.2 82.8 124.2

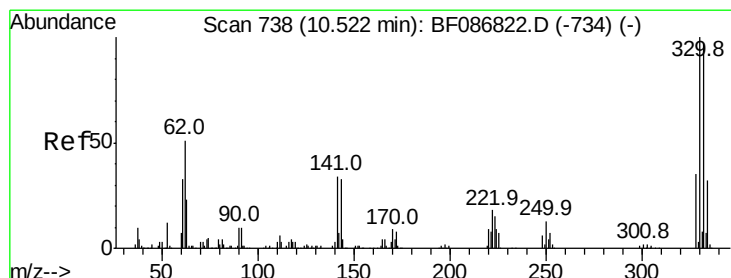
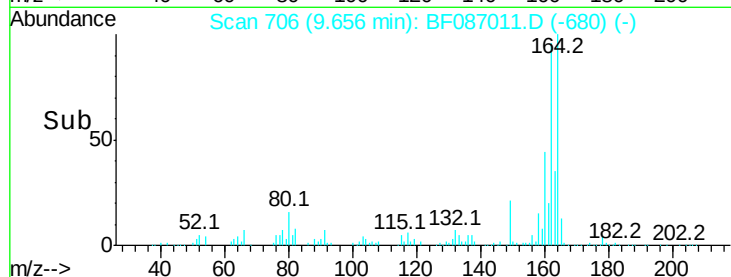
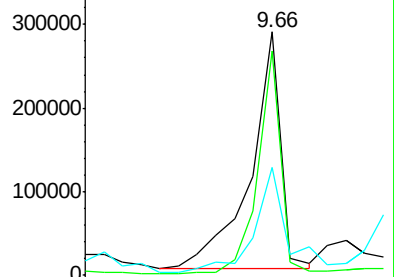
160 44.1 36.9 55.3



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: 92.63 ng

RT: 10.46 min Scan# 776

Delta R.T. 0.01 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

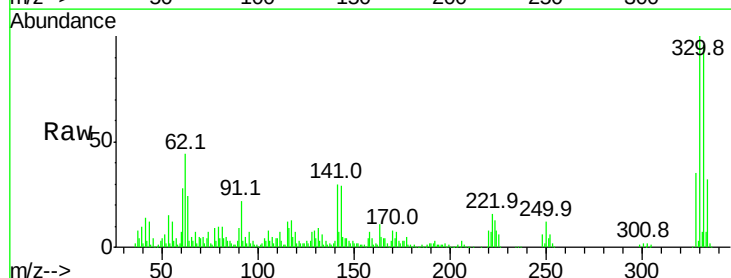
Tgt Ion:330 Resp: 353137

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

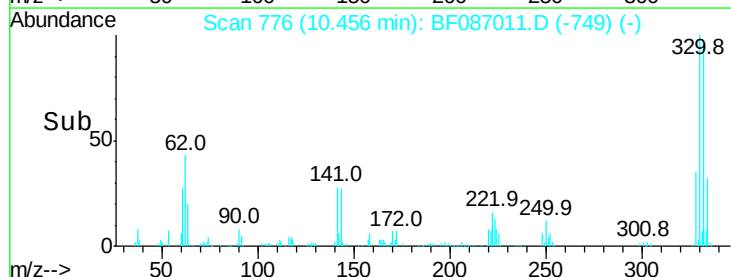
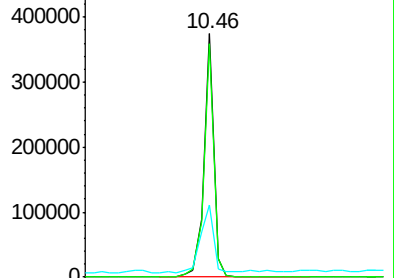
141 36.0 31.2 46.8

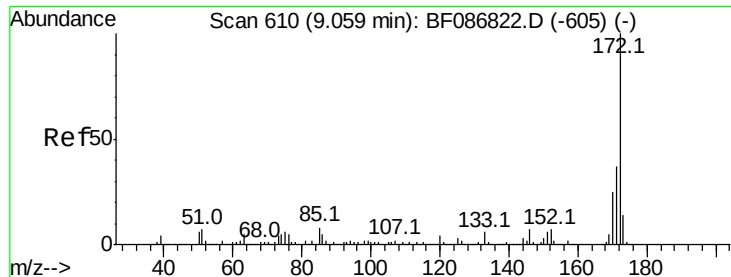


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 68.96 ng

RT: 8.98 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA\_F

ClientSampleId :

MW-22

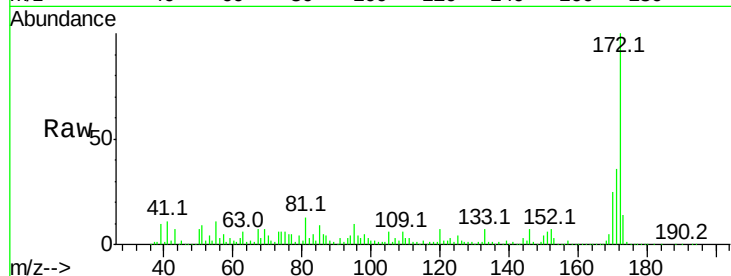
Tot Ion:172 Resp: 1477455

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.6

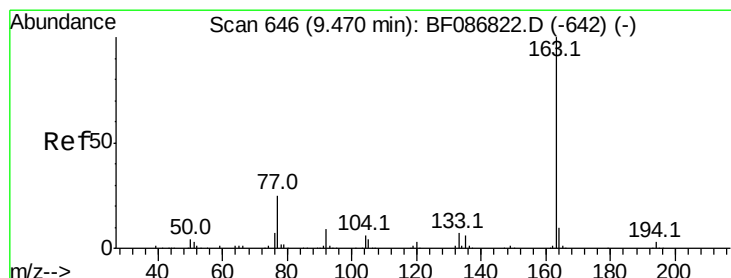
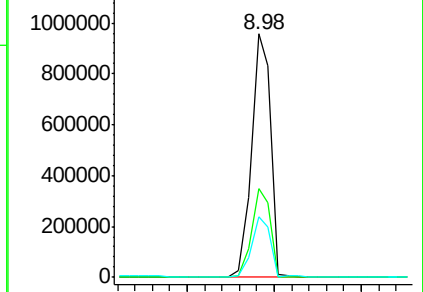
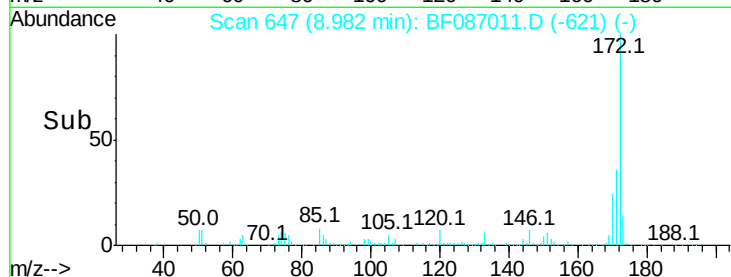
170 24.7 19.8 29.8



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: 5.65 ng

RT: 9.39 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

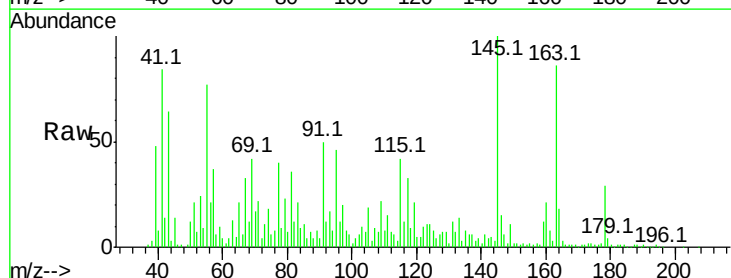
Tgt Ion:163 Resp: 155304

Ion Ratio Lower Upper

163 100

194 1.7 2.6 4.0#

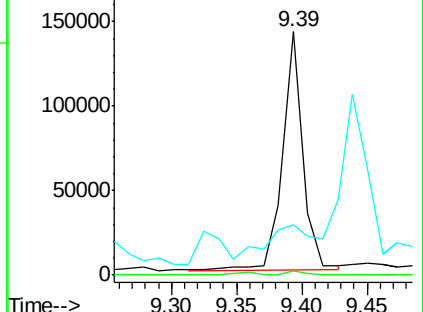
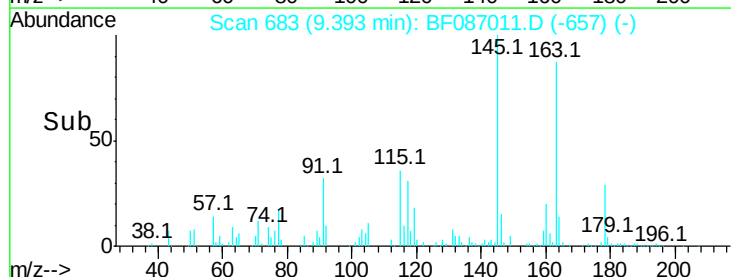
164 20.5 8.2 12.4#

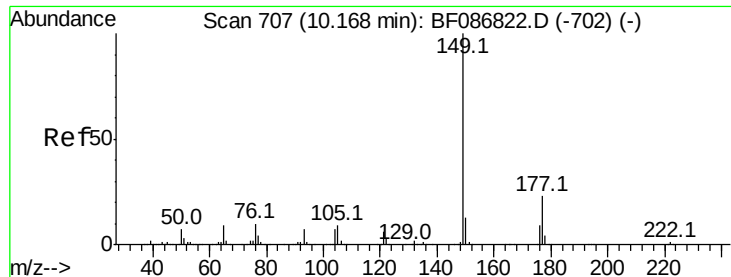


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

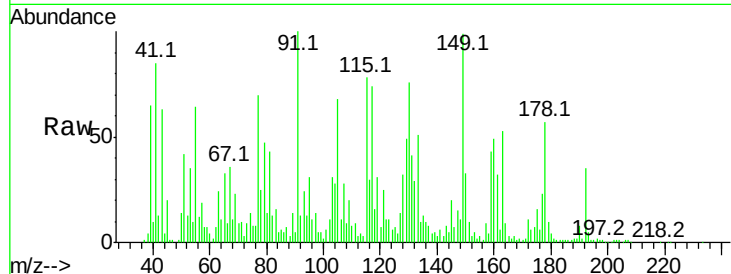




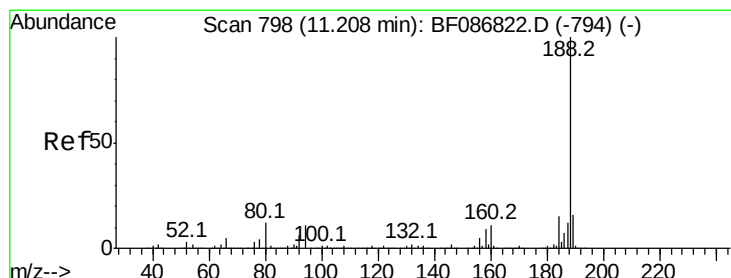
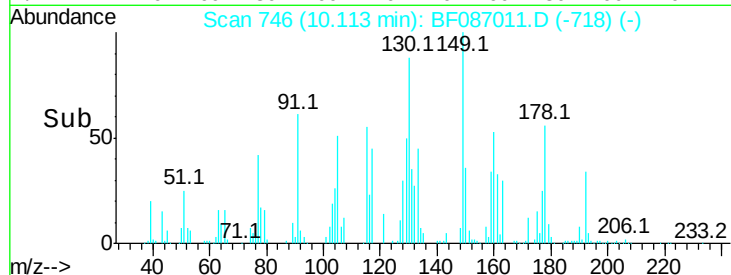
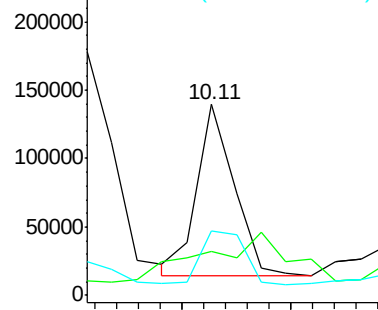
#59  
Diethylphthalate  
Concen: 5.53 ng  
RT: 10.11 min Scan# 746  
Delta R.T. 0.02 min  
Lab File: BF087011.D  
Acq: 14 May 2016 10:53

Instrument :  
BNA\_F  
ClientSampleId :  
MW-22

Tot Ion:149 Resp: 147919  
Ion Ratio Lower Upper  
149 100  
177 23.2 16.6 24.8  
150 33.6 10.0 15.0#

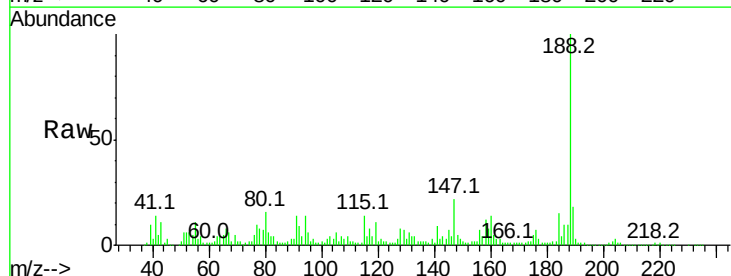


Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

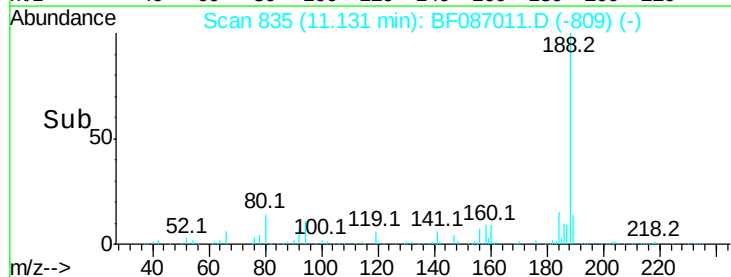
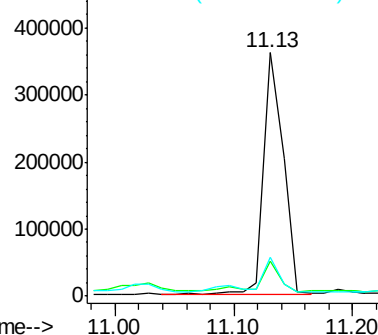


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BF087011.D  
Acq: 14 May 2016 10:53

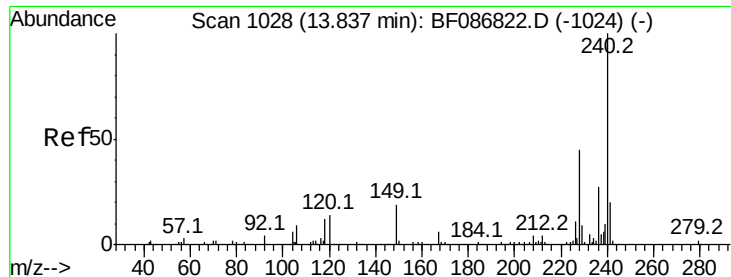
Tgt Ion:188 Resp: 408073  
Ion Ratio Lower Upper  
188 100  
94 14.3 6.8 10.2#  
80 16.0 7.1 10.7#



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







#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

Instrument :

BNA\_F

ClientSampleId :

MW-22

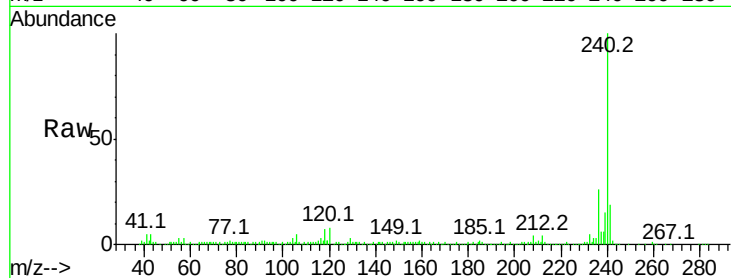
Tot Ion:240 Resp: 304681

Ion Ratio Lower Upper

240 100

120 7.9 11.2 16.8#

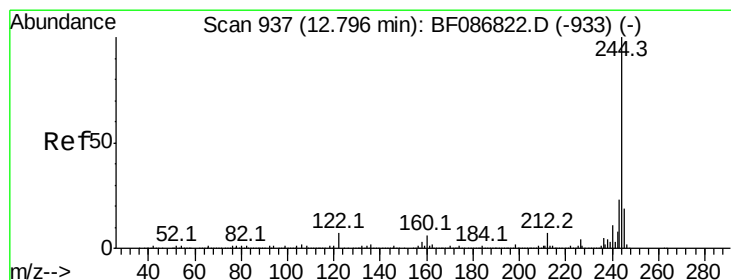
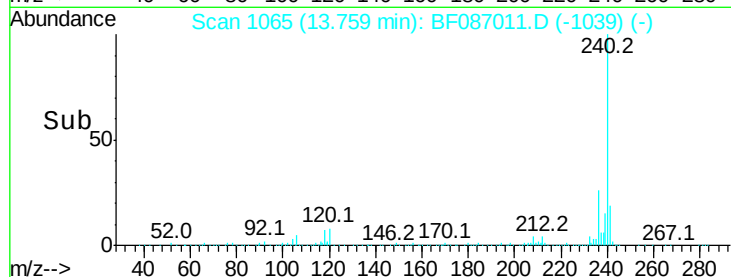
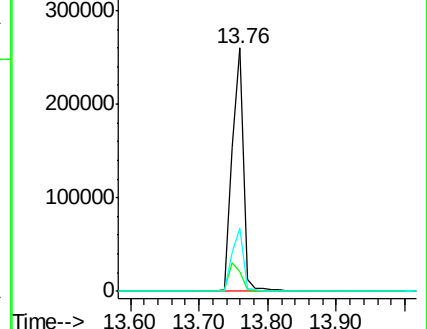
236 26.2 21.2 31.8



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: 74.09 ng

RT: 12.72 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF087011.D

Acq: 14 May 2016 10:53

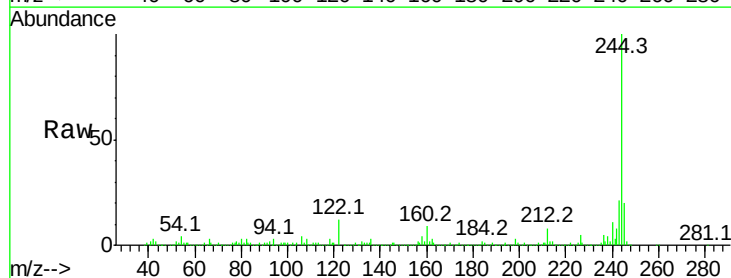
Tgt Ion:244 Resp: 1064010

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

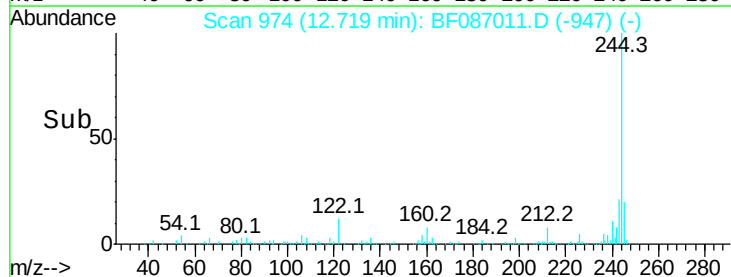
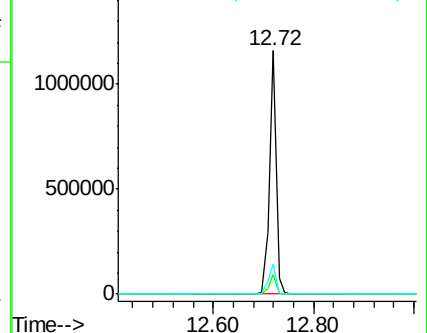
122 12.5 12.0 18.0

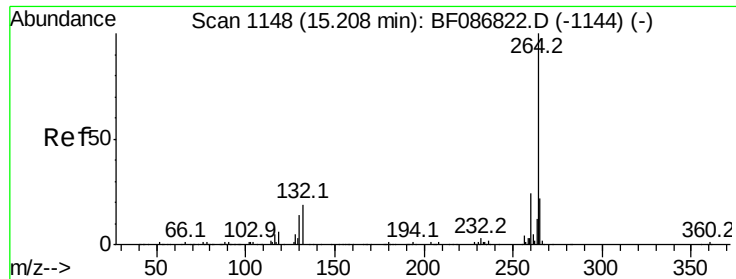


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.12 min Scan# 1184  
 Delta R.T. 0.01 min  
 Lab File: BF087011.D  
 Acq: 14 May 2016 10:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.5  | 29.3  |
| 265     | 22.2  | 17.3  | 25.9  |

