

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090415\  
 Data File : BF081446.D  
 Acq On : 5 Sep 2015 5:06  
 Operator : UM/IZ  
 Sample : G3526-14  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16(9-10)

Quant Time: Sep 07 02:21:30 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 07 01:54:57 2015  
 Response via : Initial Calibration

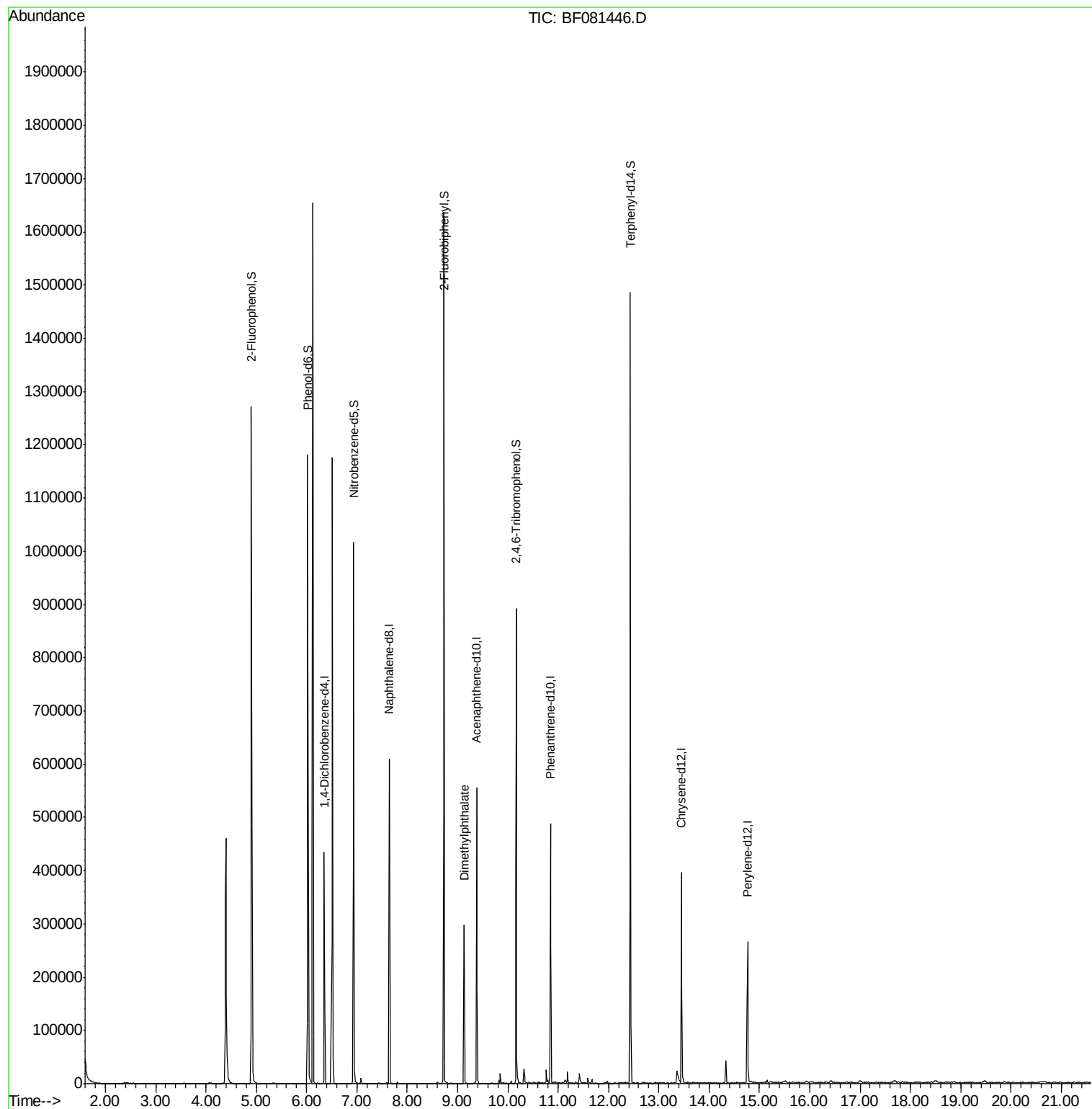
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.35  | 152  | 61312    | 20.00 | ng    | -0.01          |
| 21) Naphthalene-d8          | 7.64  | 136  | 244345   | 20.00 | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.38  | 164  | 110097   | 20.00 | ng    | -0.01          |
| 63) Phenanthrene-d10        | 10.84 | 188  | 215915   | 20.00 | ng    | -0.01          |
| 75) Chrysene-d12            | 13.45 | 240  | 161021   | 20.00 | ng    | -0.01          |
| 86) Perylene-d12            | 14.77 | 264  | 127083   | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 4.90  | 112  | 345570   | 87.45 | ng    | 0.00           |
| 7) Phenol-d6                | 6.02  | 99   | 442017   | 84.50 | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 6.94  | 82   | 344509   | 68.02 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.17 | 330  | 96142    | 98.07 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 8.73  | 172  | 507843   | 59.11 | ng    | 0.00           |
| 78) Terphenyl-d14           | 12.43 | 244  | 422937   | 61.14 | ng    | -0.01          |
| Target Compounds            |       |      |          |       |       |                |
| 49) Dimethylphthalate       | 9.13  | 163  | 107183   | 12.53 | ng    | Qvalue<br># 96 |

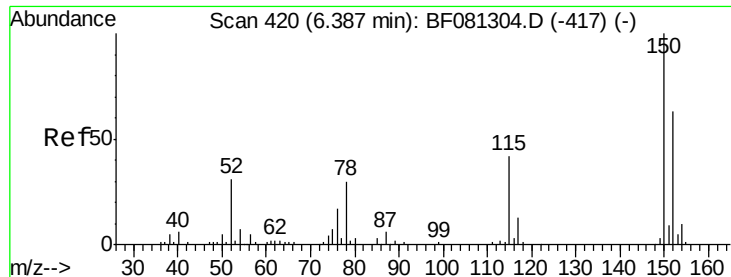
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090415\  
Data File : BF081446.D  
Acq On : 5 Sep 2015 5:06  
Operator : UM/IZ  
Sample : G3526-14  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-16(9-10)

Quant Time: Sep 07 02:21:30 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF090115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 07 01:54:57 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Instrument :

BNA\_F

ClientSampleId :

SB-16(9-10)

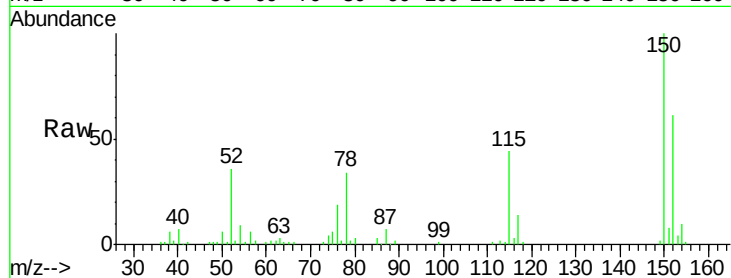
Tgt Ion:152 Resp: 61312

Ion Ratio Lower Upper

152 100

150 162.9 124.7 187.1

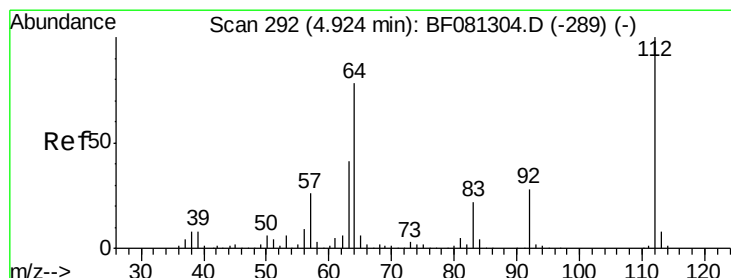
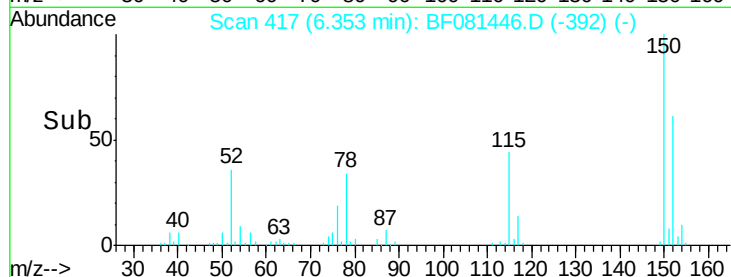
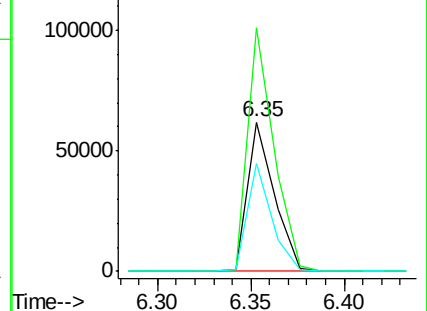
115 72.0 39.0 58.4#



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: 87.45 ng

RT: 4.90 min Scan# 290

Delta R.T. 0.00 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

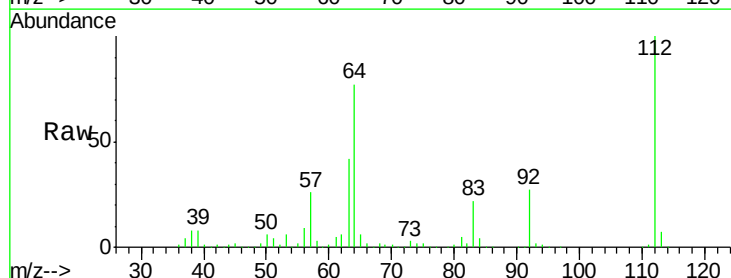
Tgt Ion:112 Resp: 345570

Ion Ratio Lower Upper

112 100

64 77.4 39.7 59.5#

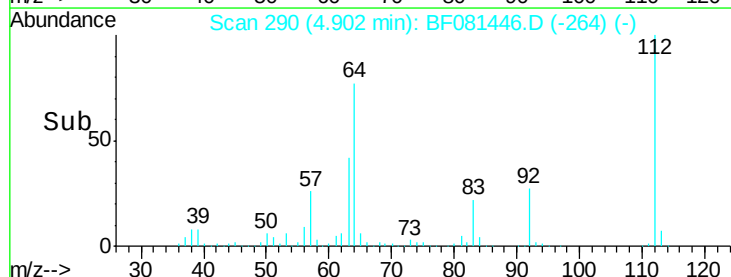
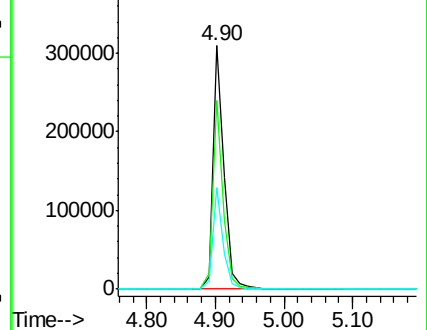
63 41.6 17.4 26.0#

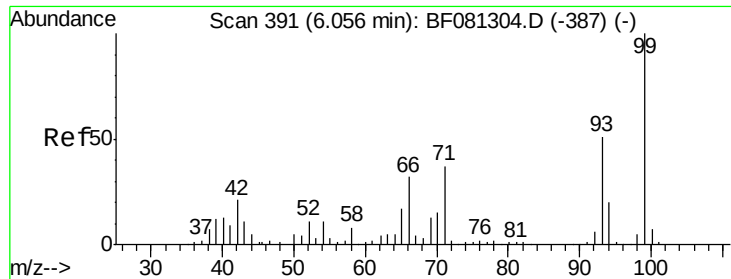


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 84.50 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Instrument :

BNA\_F

ClientSampleId :

SB-16(9-10)

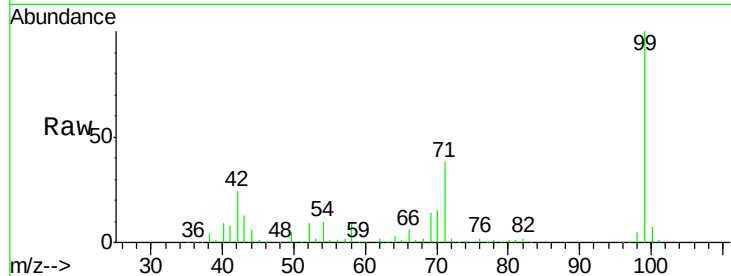
Tgt Ion: 99 Resp: 442017

Ion Ratio Lower Upper

99 100

42 24.0 13.7 20.5#

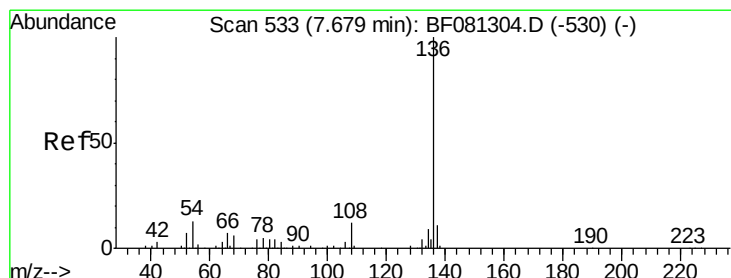
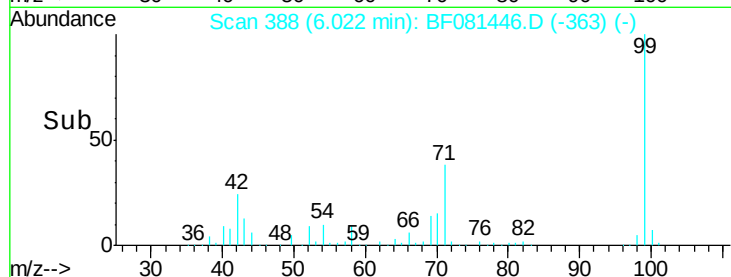
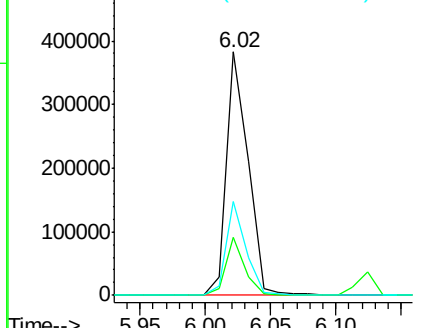
71 38.5 14.2 21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Tgt Ion: 136 Resp: 244345

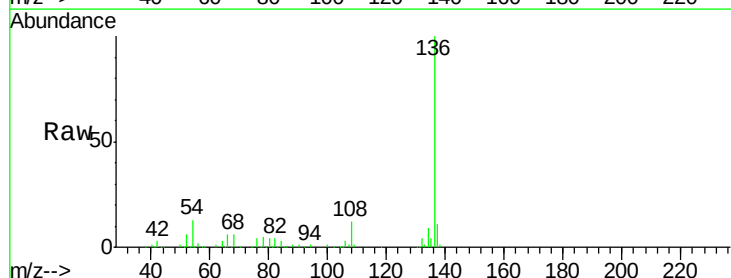
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 12.6 8.2 12.2#

68 5.6 5.8 8.6#

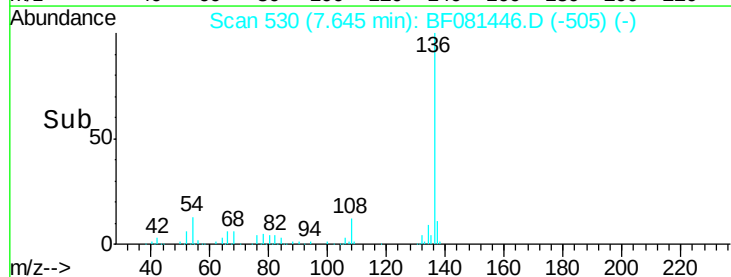
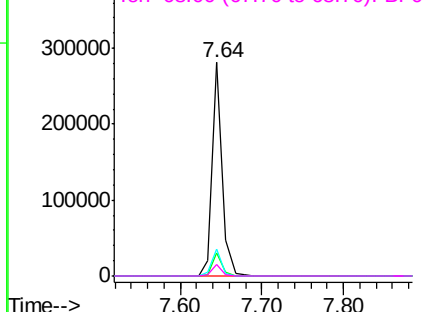


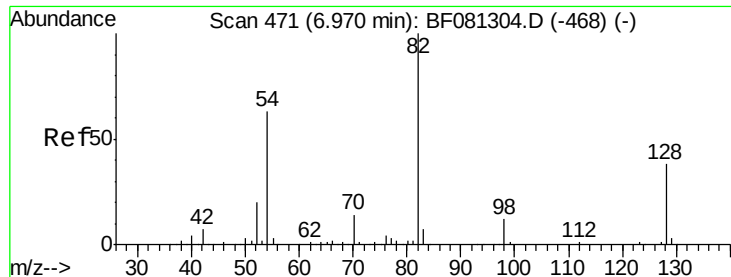
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

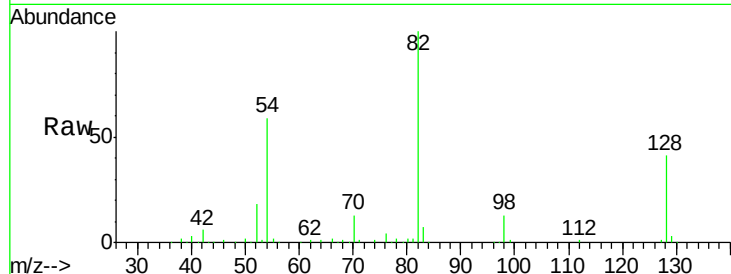




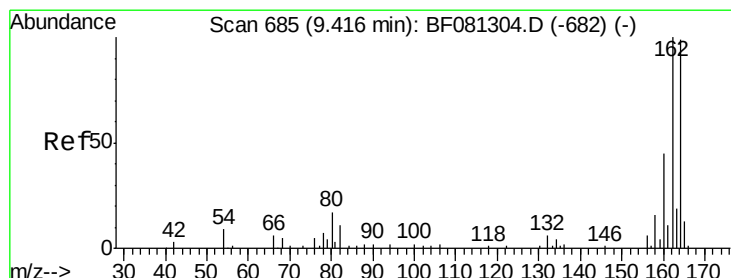
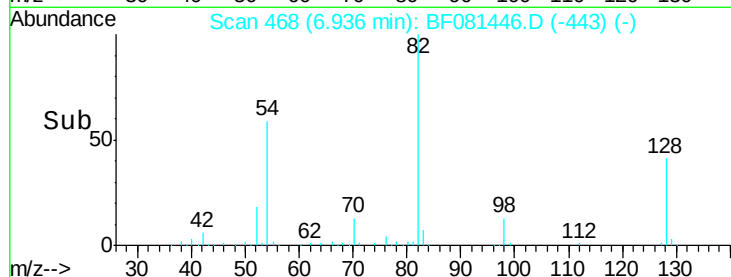
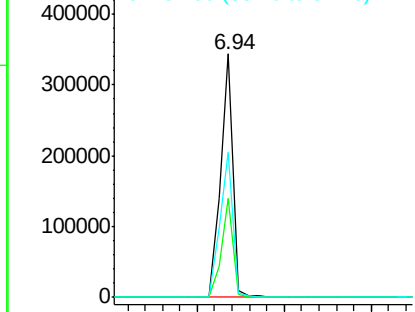
#23  
 Nitrobenzene-d5  
 Concen: 68.02 ng  
 RT: 6.94 min Scan# 468  
 Delta R.T. -0.01 min  
 Lab File: BF081446.D  
 Acq: 5 Sep 2015 5:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16(9-10)

Tgt Ion: 82 Resp: 344509  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 51.0 76.6#  
 54 59.3 47.5 71.3

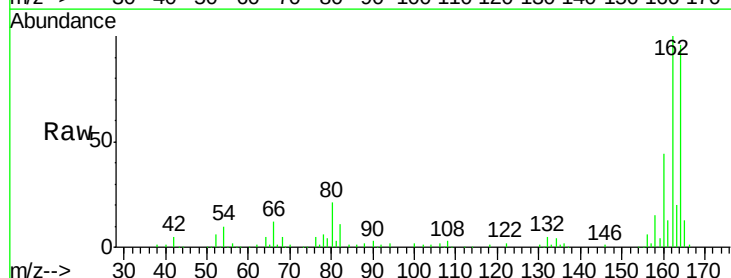


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

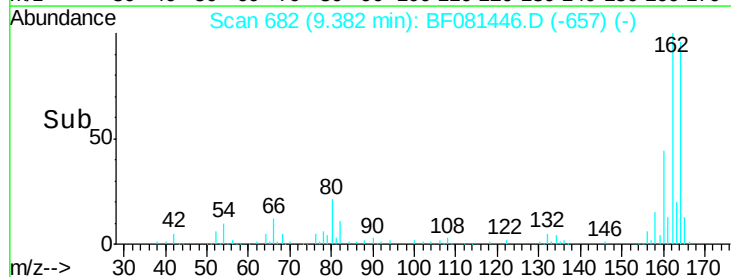
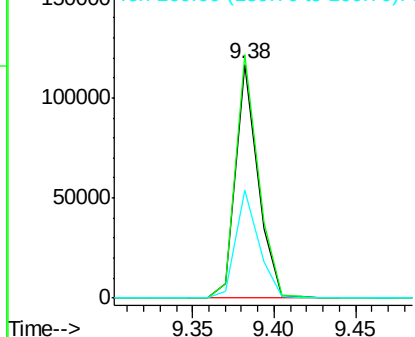


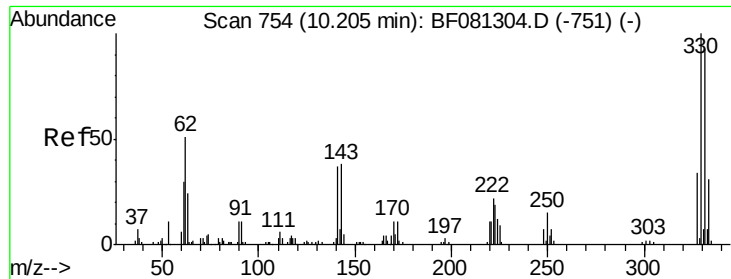
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.38 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF081446.D  
 Acq: 5 Sep 2015 5:06

Tgt Ion: 164 Resp: 110097  
 Ion Ratio Lower Upper  
 164 100  
 162 104.0 75.2 112.8  
 160 46.2 31.5 47.3



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

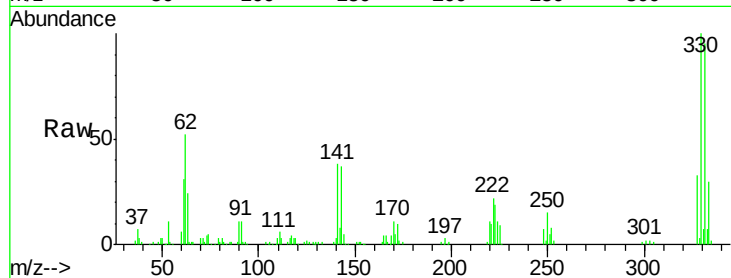




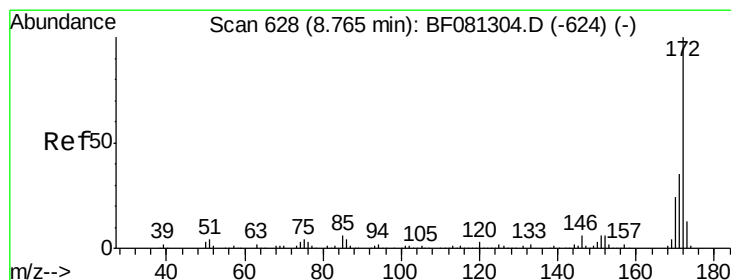
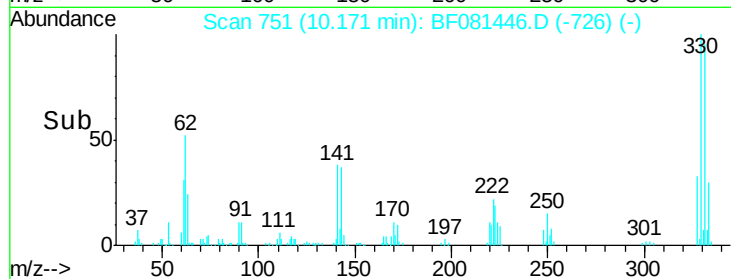
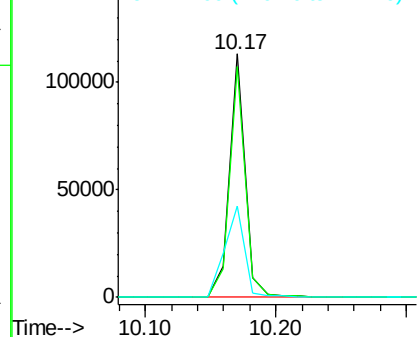
#41  
 2,4,6-Tribromophenol  
 Concen: 98.07 ng  
 RT: 10.17 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF081446.D  
 Acq: 5 Sep 2015 5:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-16(9-10)

Tgt Ion:330 Resp: 96142  
 Ion Ratio Lower Upper  
 330 100  
 332 95.3 76.6 114.8  
 141 47.3 29.7 44.5#

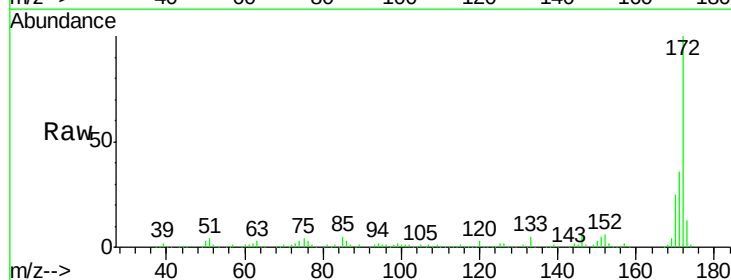


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

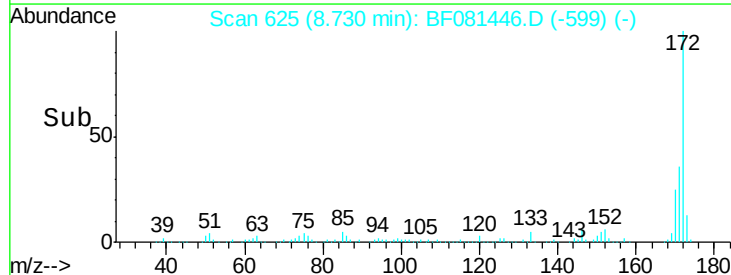
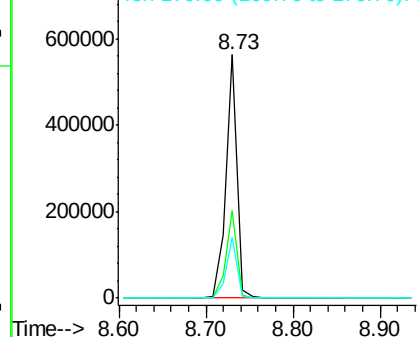


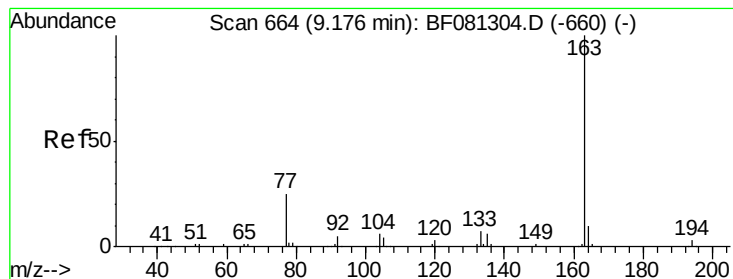
#44  
 2-Fluorobiphenyl  
 Concen: 59.11 ng  
 RT: 8.73 min Scan# 625  
 Delta R.T. 0.00 min  
 Lab File: BF081446.D  
 Acq: 5 Sep 2015 5:06

Tgt Ion:172 Resp: 507843  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 26.1 39.1  
 170 24.6 17.4 26.2



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: 12.53 ng

RT: 9.13 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Instrument :

BNA\_F

ClientSampleId :

SB-16(9-10)

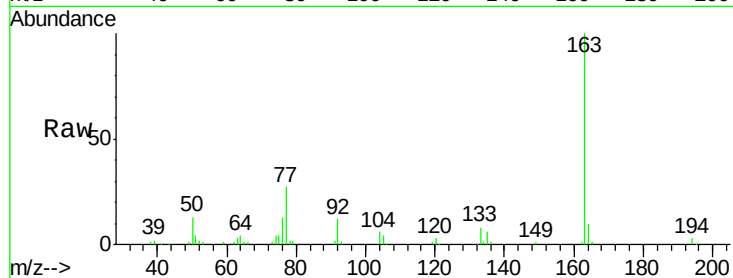
Tgt Ion:163 Resp: 107183

Ion Ratio Lower Upper

163 100

194 2.9 4.4 6.6#

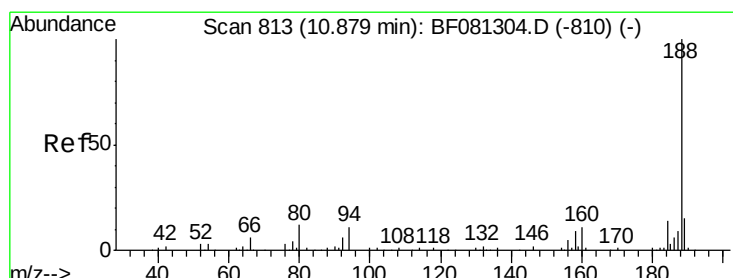
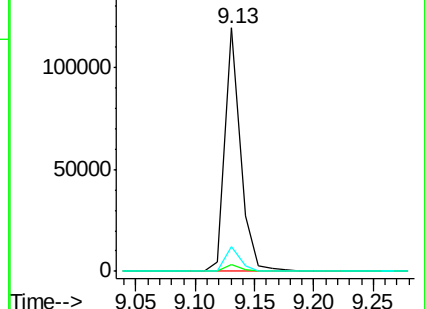
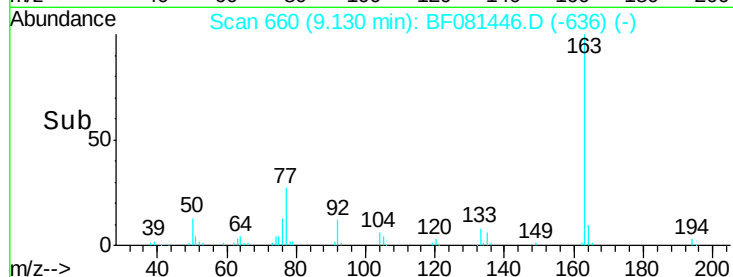
164 9.9 8.3 12.5



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: 10.84 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

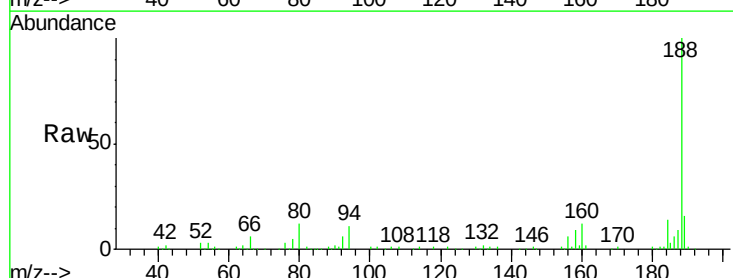
Tgt Ion:188 Resp: 215915

Ion Ratio Lower Upper

188 100

94 10.7 11.1 16.7#

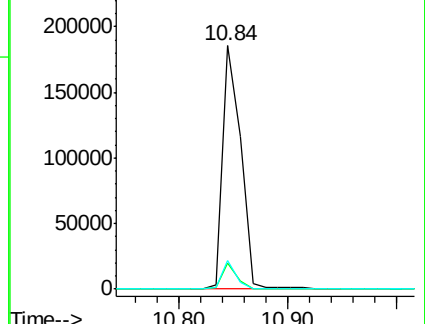
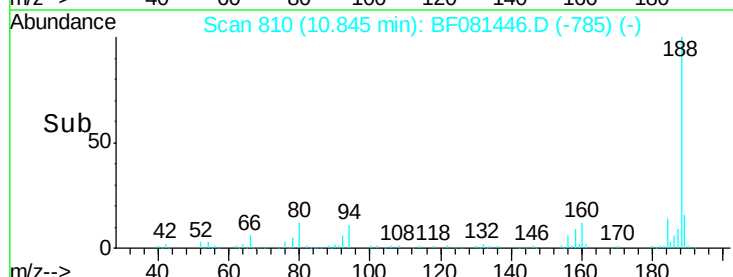
80 11.9 11.0 16.4

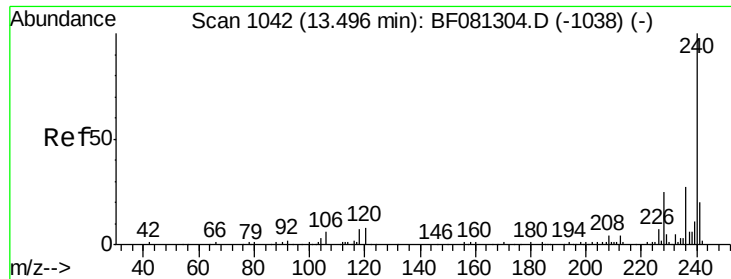


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.45 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Instrument :

BNA\_F

ClientSampleId :

SB-16(9-10)

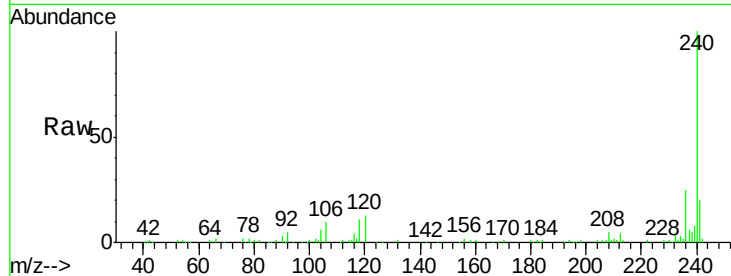
Tgt Ion:240 Resp: 161021

Ion Ratio Lower Upper

240 100

120 12.8 16.2 24.2#

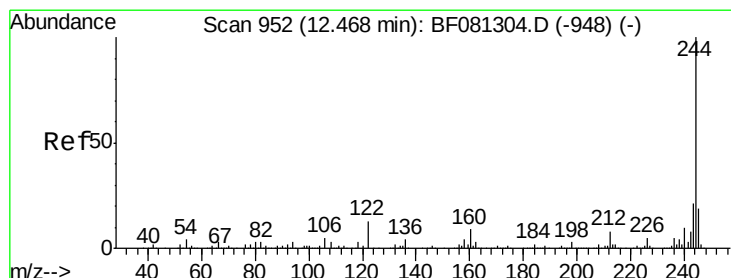
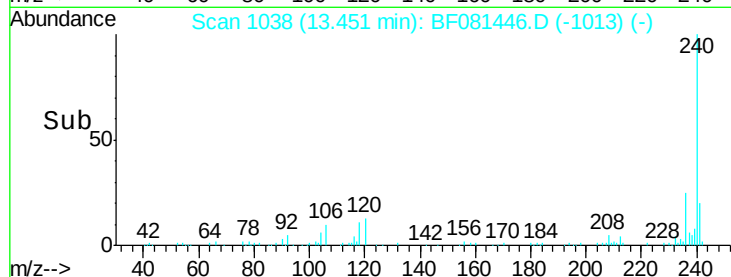
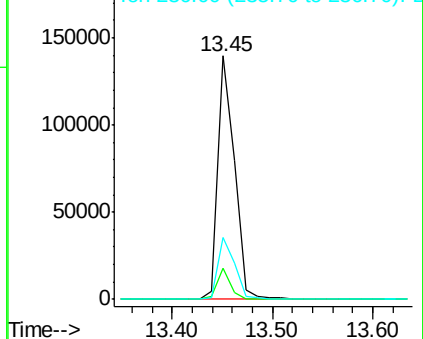
236 25.3 18.4 27.6



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: 61.14 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

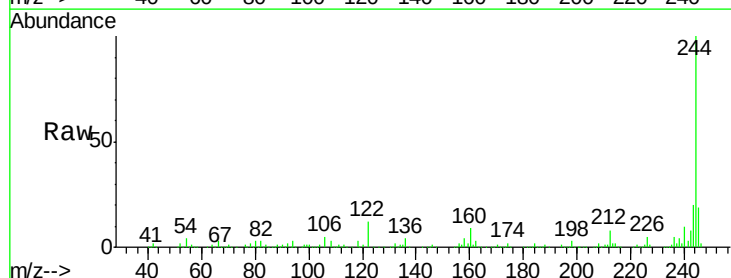
Tgt Ion:244 Resp: 422937

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

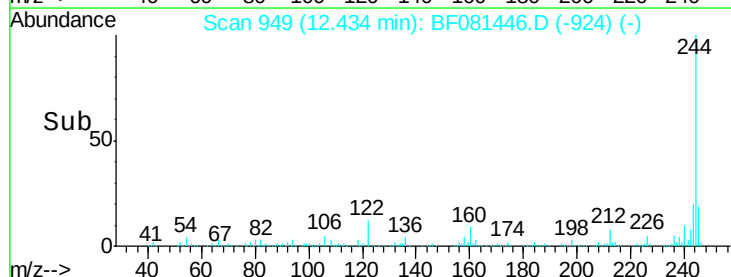
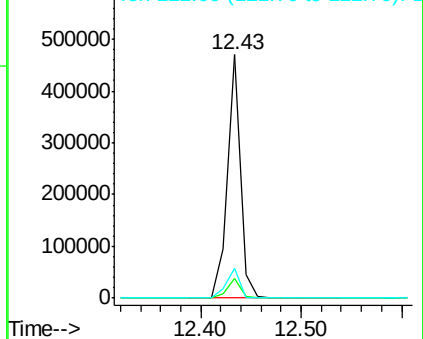
122 12.4 17.4 26.2#



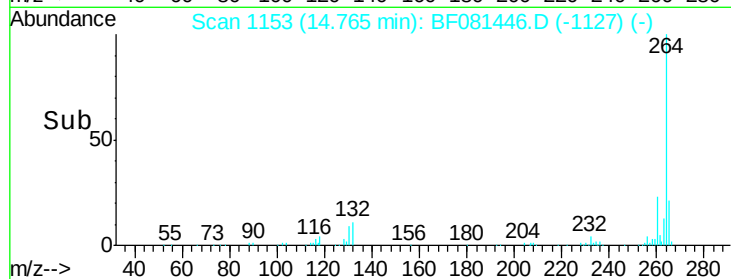
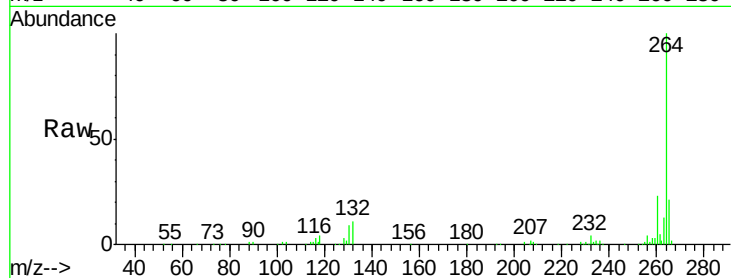
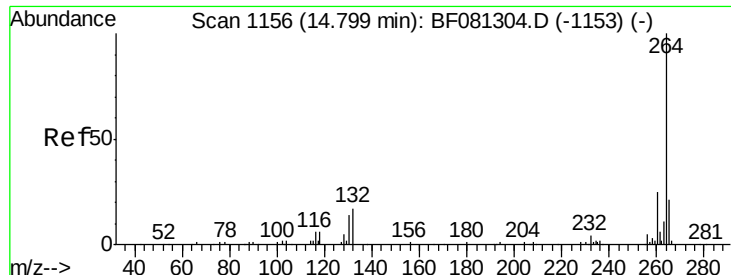
Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.77 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BF081446.D

Acq: 5 Sep 2015 5:06

Instrument :

BNA\_F

ClientSampleId :

SB-16(9-10)

Tgt Ion:264 Resp: 127083

Ion Ratio Lower Upper

264 100

260 23.4 16.7 25.1

265 21.2 17.2 25.8

