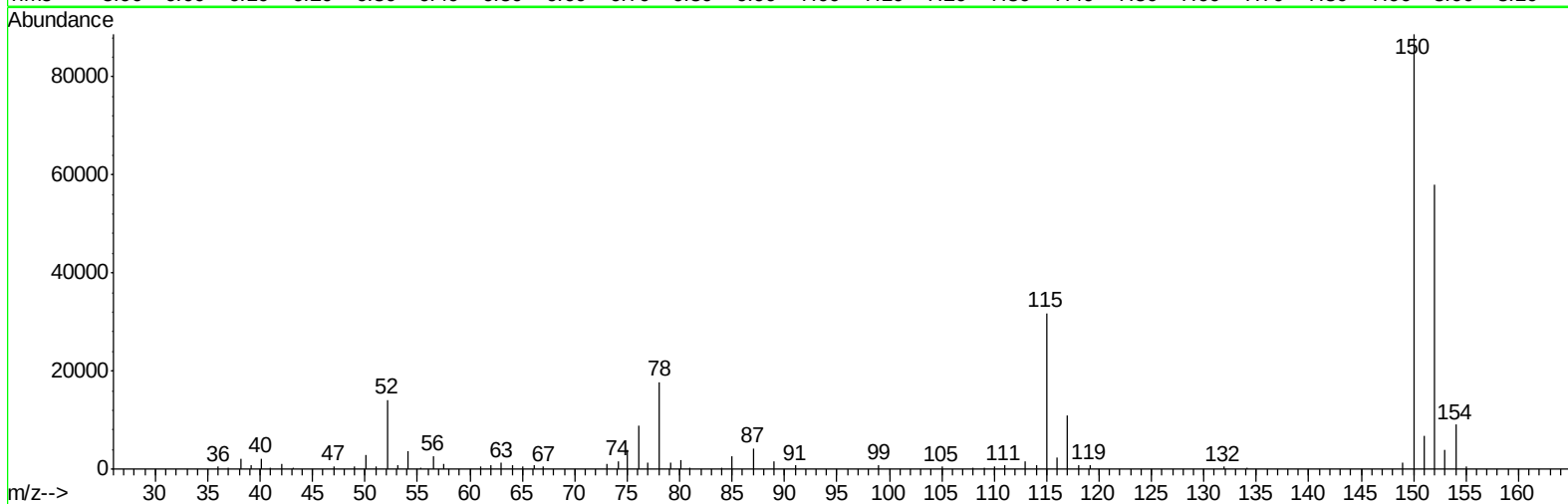
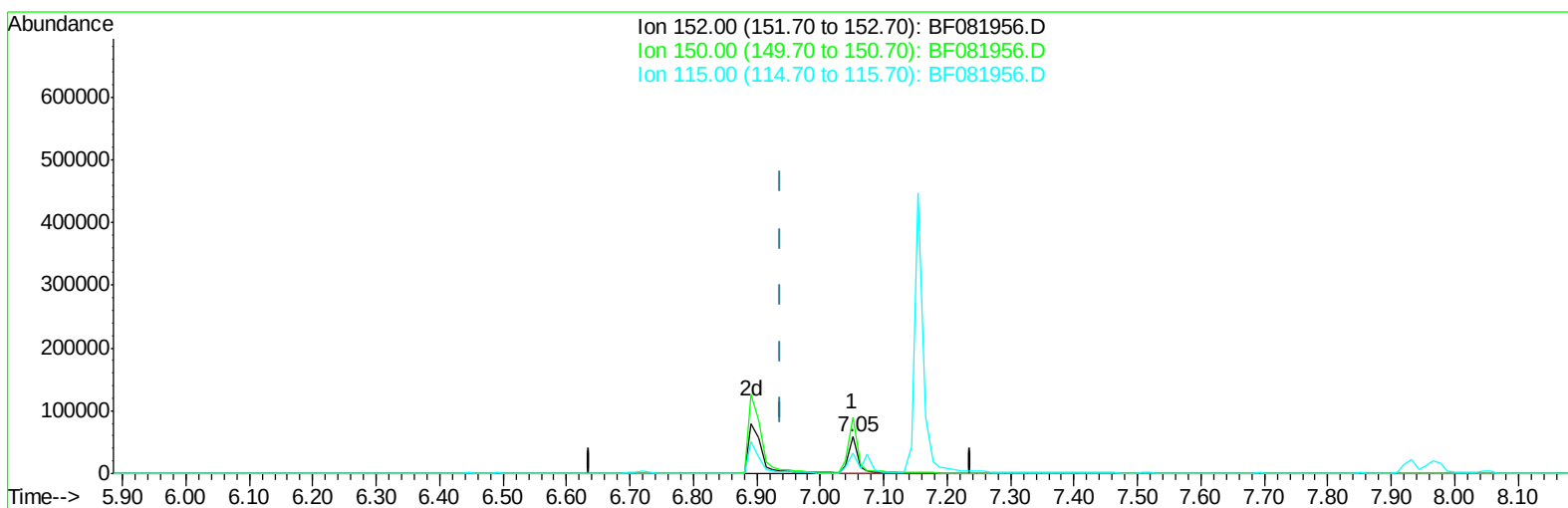


Data Path : Z:\HPCHEM1\BNA\_F\Data\BF100115\  
Data File : BF081956.D  
Acq On : 1 Oct 2015 23:43  
Operator : UM/IZ  
Sample : G3754-03DL2 10X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 02 02:02:04 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 28 18:10:42 2015  
Response via : Initial Calibration



TIC: BF081956.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.051min (+0.114) 20.00ng

response 62286

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100    | 100    |
| 150.00 | 155.90 | 152.81 |
| 115.00 | 48.70  | 54.78  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100115\  
 Data File : BF081959.D  
 Acq On : 2 Oct 2015 1:14  
 Operator : UM/IZ  
 Sample : G3827-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Quant Time: Oct 02 04:25:11 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 28 18:10:42 2015  
 Response via : Initial Calibration

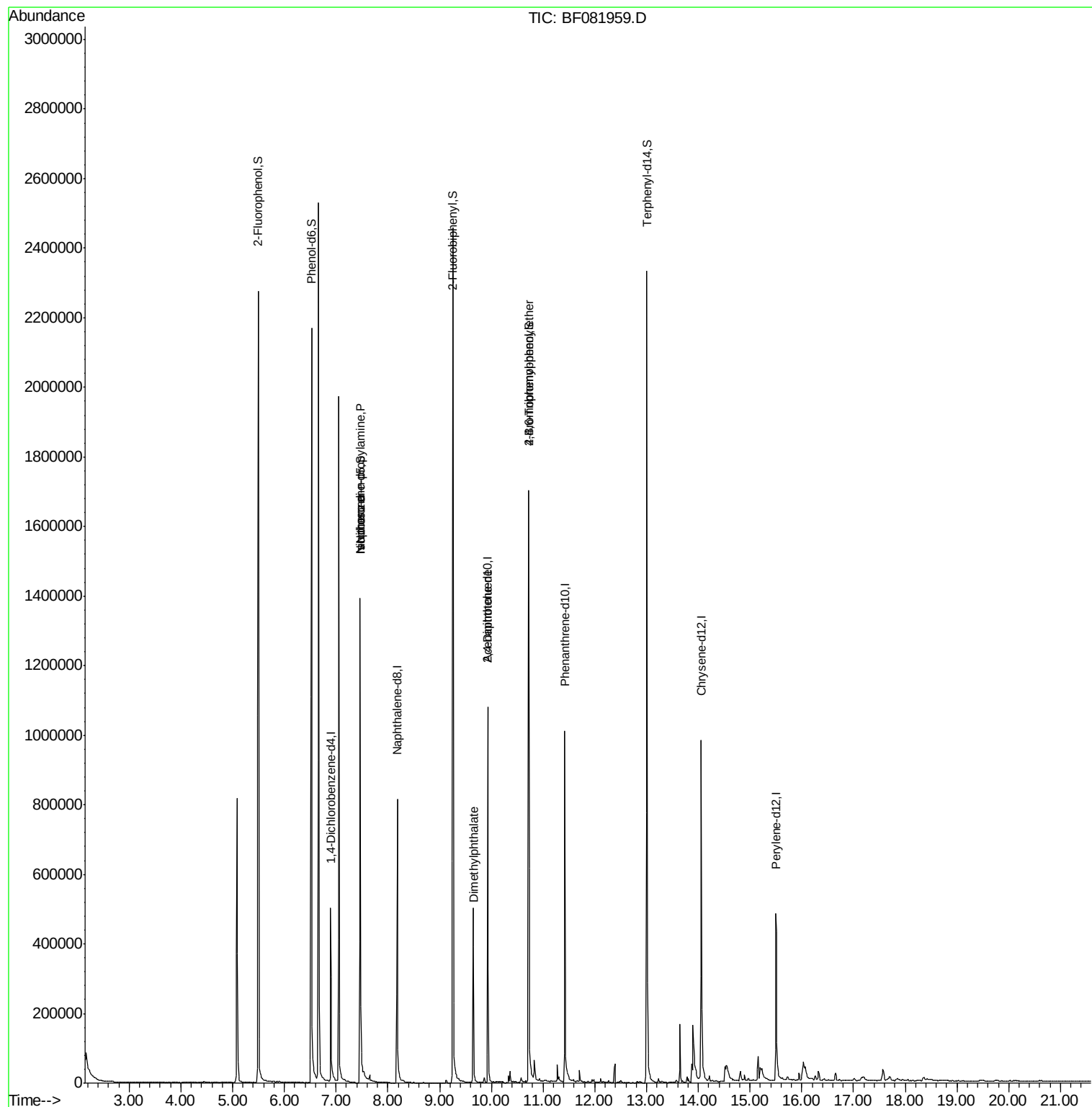
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 116224   | 20.00     | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.18  | 136  | 477411   | 20.00     | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.93  | 164  | 236982   | 20.00     | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.42 | 188  | 468081   | 20.00     | ng    | -0.05    |
| 75) Chrysene-d12               | 14.06 | 240  | 445879   | 20.00     | ng    | -0.06    |
| 86) Perylene-d12               | 15.50 | 264  | 335257   | 20.00     | ng    | -0.08    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 729194   | 113.89    | ng    | -0.02    |
| 7) Phenol-d6                   | 6.53  | 99   | 951907   | 118.16    | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.46  | 82   | 583399   | 81.46     | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 252469   | 105.19    | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 892086   | 59.40     | ng    | -0.05    |
| 78) Terphenyl-d14              | 13.01 | 244  | 883240   | 58.72     | ng    | -0.05    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.46  | 70   | 72999    | 14.91     | ng    | # 57     |
| 25) Isophorone                 | 7.46  | 82   | 480999   | 33.88     | ng    | # 58     |
| 49) Dimethylphthalate          | 9.66  | 163  | 332702   | 20.34     | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 29619    | 6.54      | ng    | # 33     |
| 57) Fluorene                   | 10.72 | 166  | 9675     | Below Cal | #     | 78       |
| 66) 4-Bromophenyl-phenylether  | 10.72 | 248  | 16136    | 3.42      | ng    | # 1      |
| 70) Phenanthrene               | 11.44 | 178  | 223      | Below Cal | #     | 62       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 5480     | Below Cal | #     | 97       |

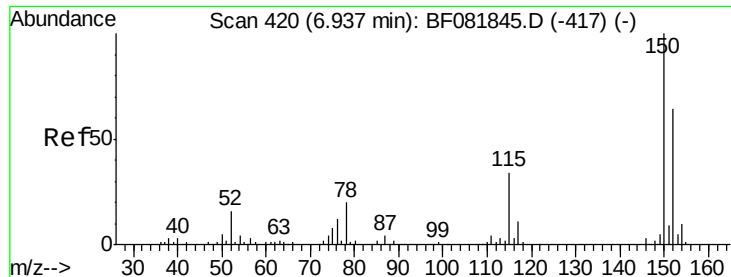
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100115\  
Data File : BF081959.D  
Acq On : 2 Oct 2015 1:14  
Operator : UM/IZ  
Sample : G3827-02  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Oct 02 04:25:11 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 28 18:10:42 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

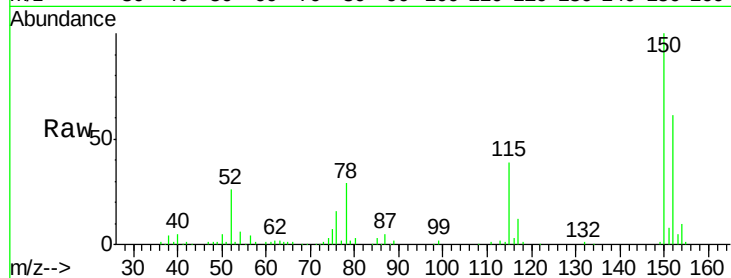
Tgt Ion:152 Resp: 116224

Ion Ratio Lower Upper

152 100

150 164.1 124.7 187.1

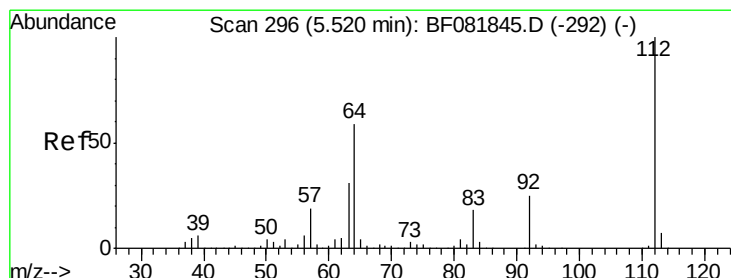
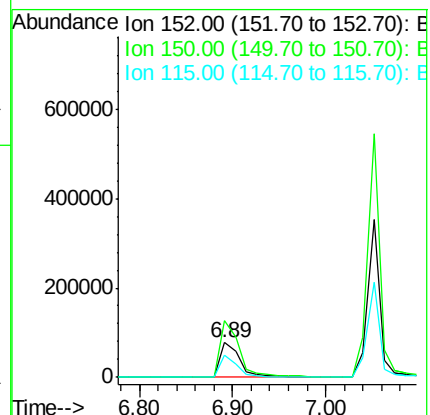
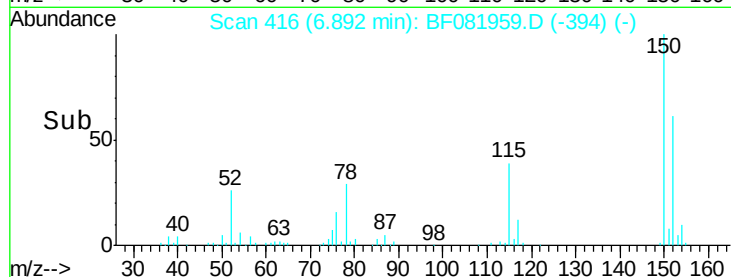
115 64.7 39.0 58.4#



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: 113.89 ng

RT: 5.50 min Scan# 294

Delta R.T. -0.02 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

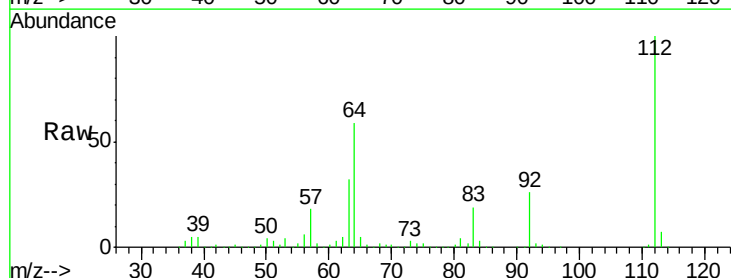
Tgt Ion:112 Resp: 729194

Ion Ratio Lower Upper

112 100

64 59.0 39.7 59.5

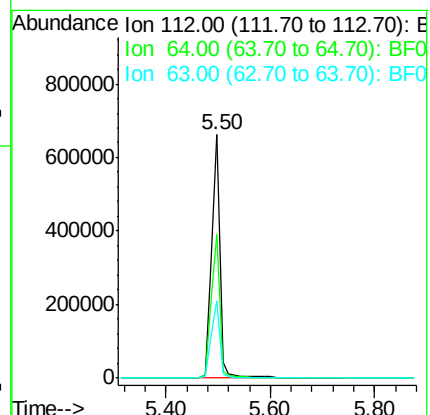
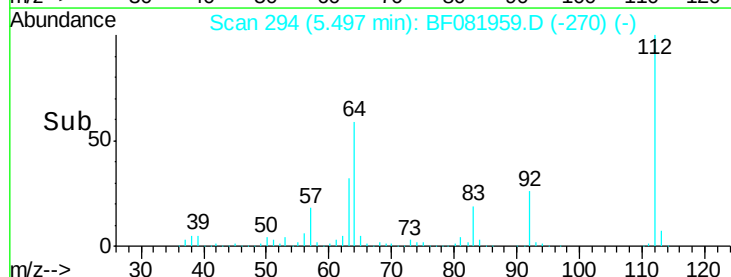
63 31.5 17.4 26.0#

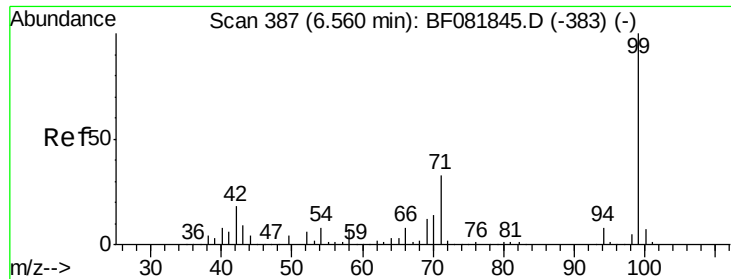


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.16 ng

RT: 6.53 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

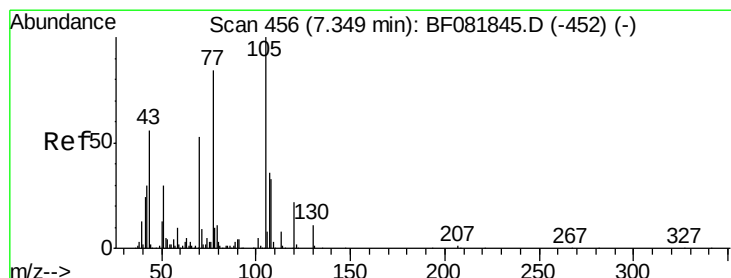
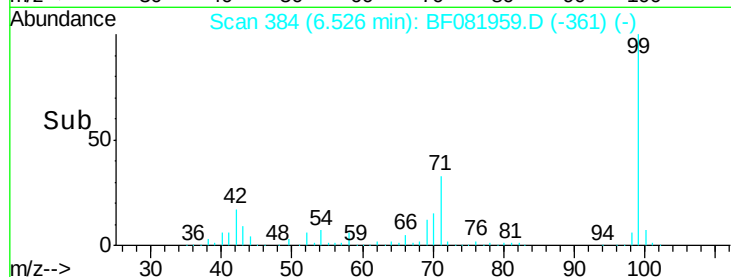
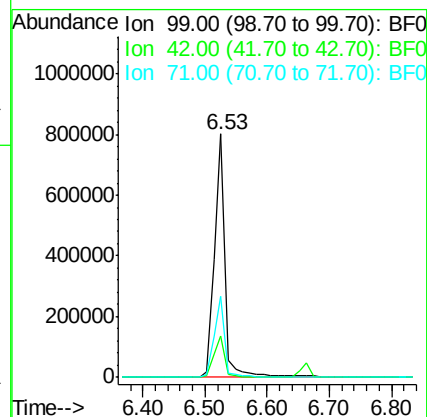
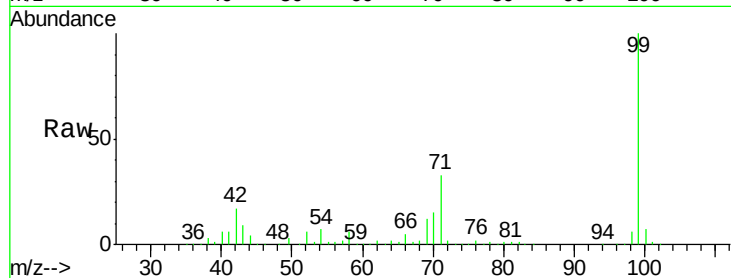
Tgt Ion: 99 Resp: 951907

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

71 33.2 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 14.91 ng

RT: 7.46 min Scan# 466

Delta R.T. 0.11 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Tgt Ion: 70 Resp: 72999

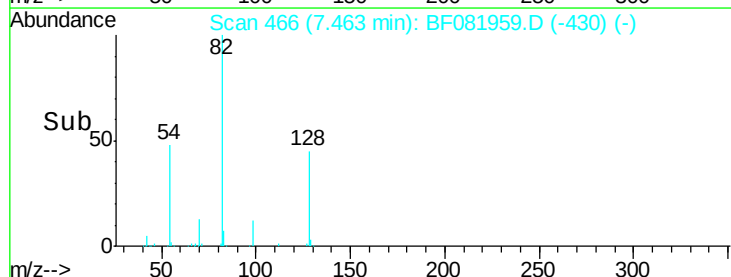
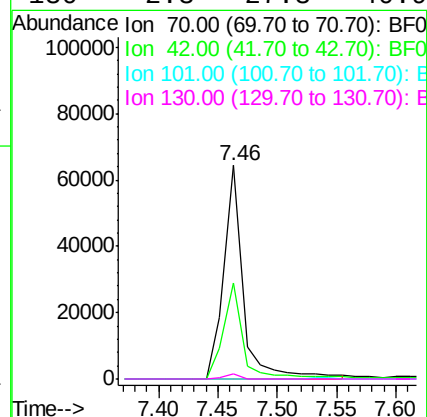
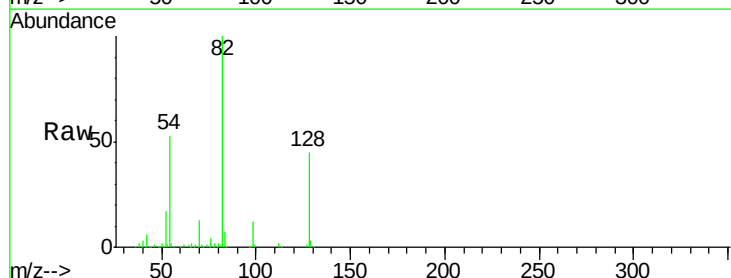
Ion Ratio Lower Upper

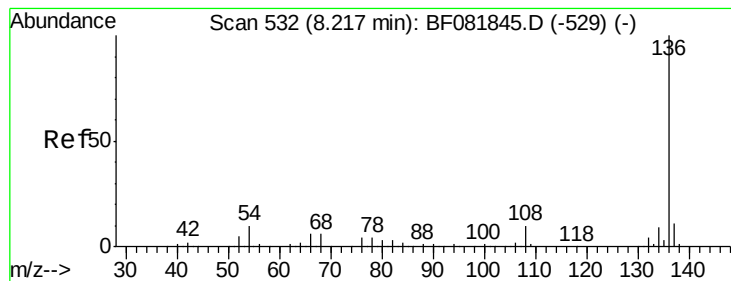
70 100

42 45.0 63.8 95.6#

101 0.0 9.2 13.8#

130 2.3 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 529

Delta R.T. -0.03 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

Tgt Ion: 136 Resp: 477411

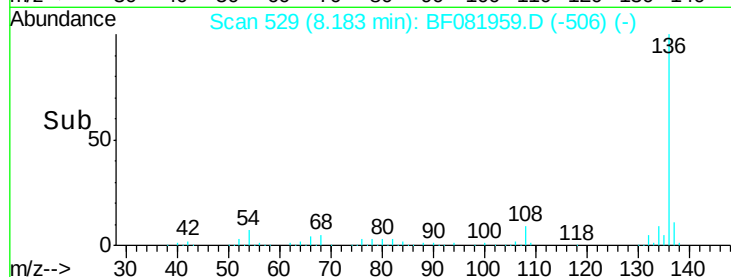
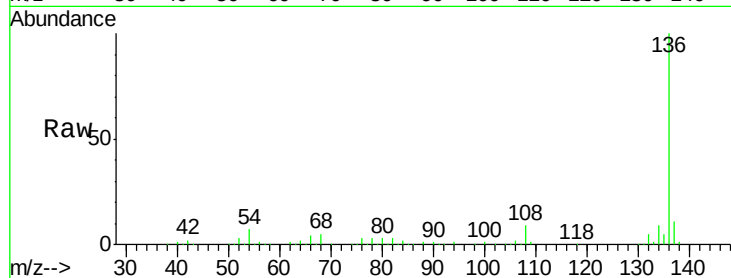
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 6.9 8.2 12.2#

68 4.8 5.8 8.6#

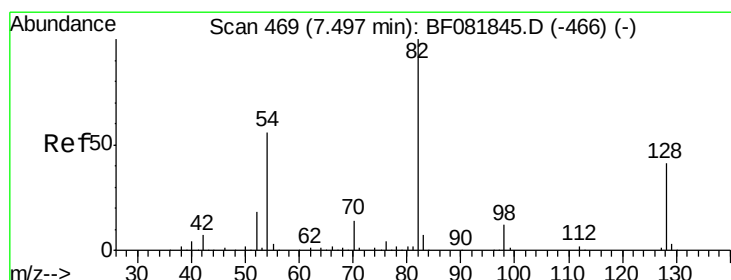
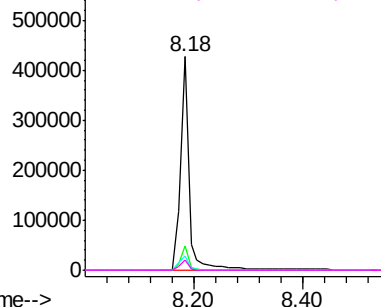


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.46 ng

RT: 7.46 min Scan# 466

Delta R.T. -0.03 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

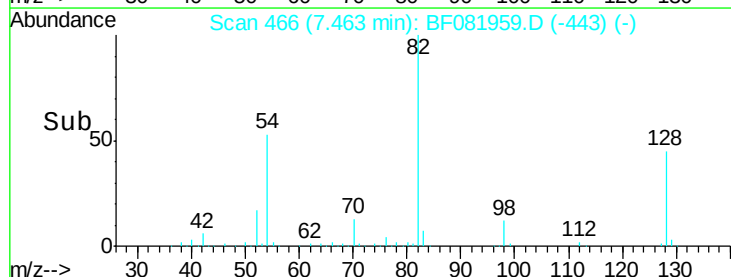
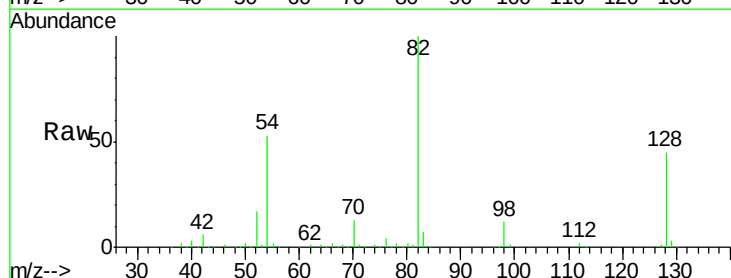
Tgt Ion: 82 Resp: 583399

Ion Ratio Lower Upper

82 100

128 45.2 51.0 76.6#

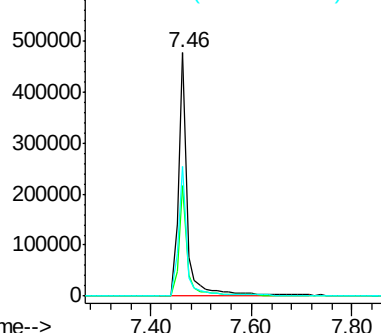
54 53.4 47.5 71.3

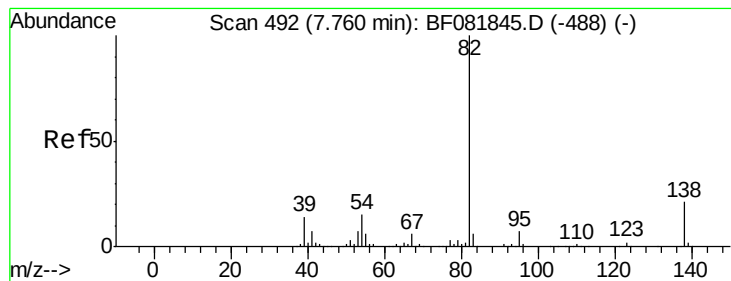


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.88 ng

RT: 7.46 min Scan# 466

Delta R.T. -0.30 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

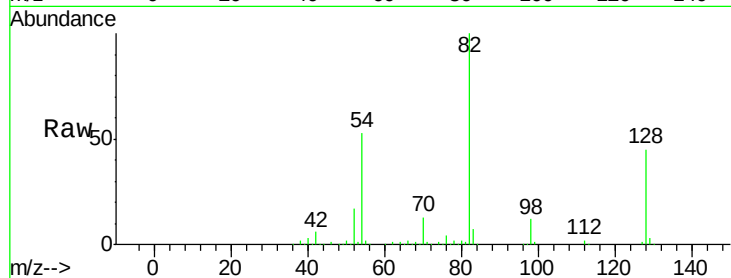
Tgt Ion: 82 Resp: 480999

Ion Ratio Lower Upper

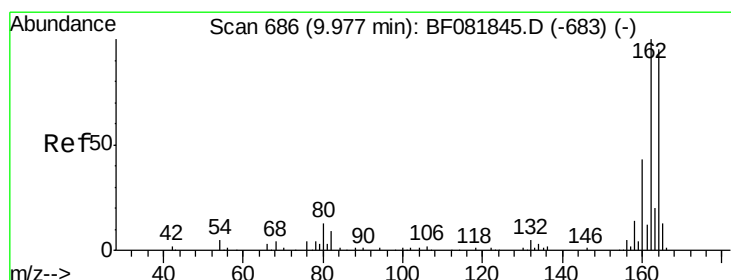
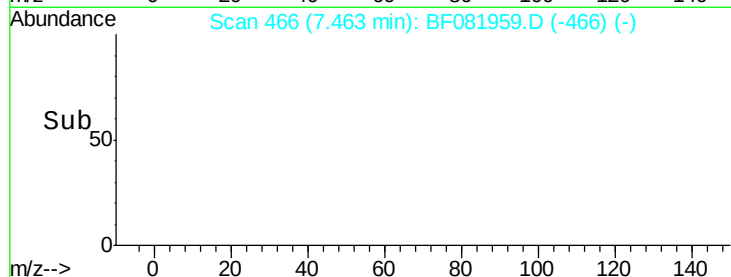
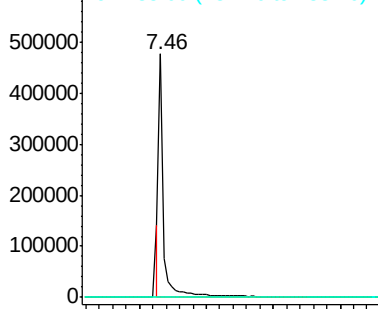
82 100

95 0.0 4.0 6.0#

138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

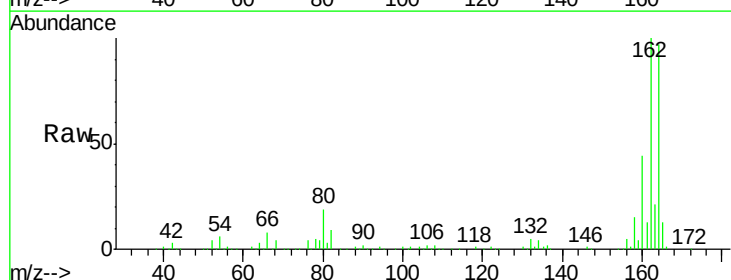
Tgt Ion:164 Resp: 236982

Ion Ratio Lower Upper

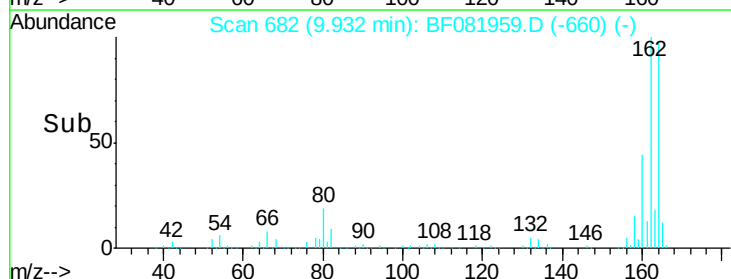
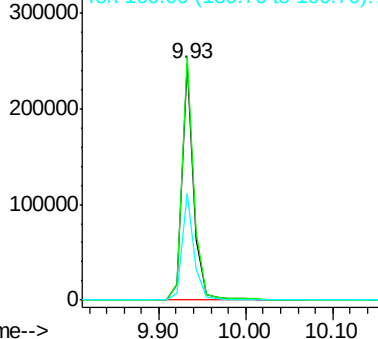
164 100

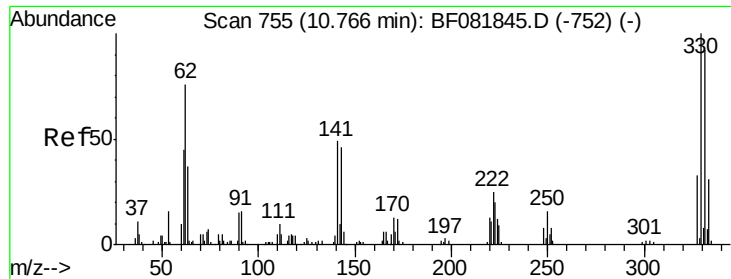
162 102.9 75.2 112.8

160 45.0 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

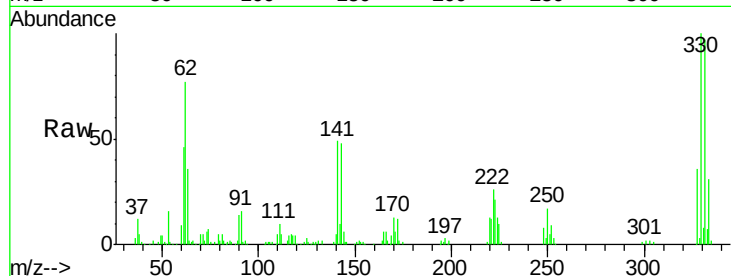




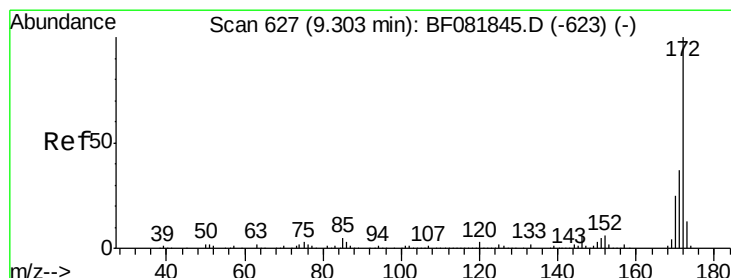
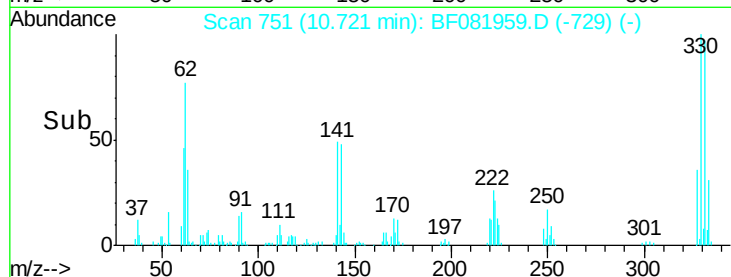
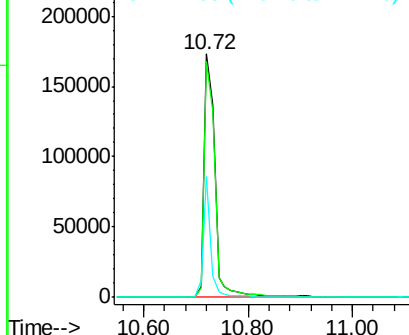
#41  
 2,4,6-Tribromophenol  
 Concen: 105.19 ng  
 RT: 10.72 min Scan# 751  
 Delta R.T. -0.05 min  
 Lab File: BF081959.D  
 Acq: 2 Oct 2015 1:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DFTPP

Tgt Ion:330 Resp: 252469  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 114.8  
 141 34.9 29.7 44.5

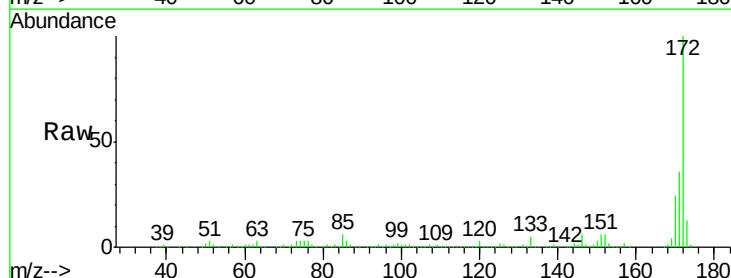


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

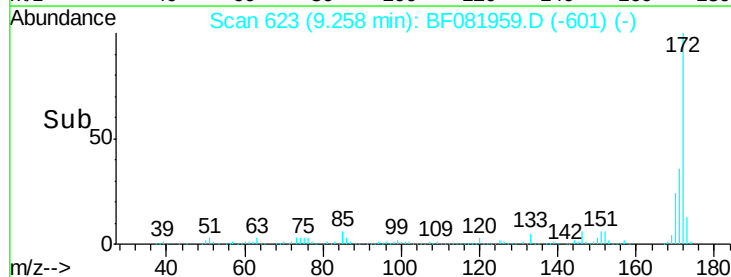
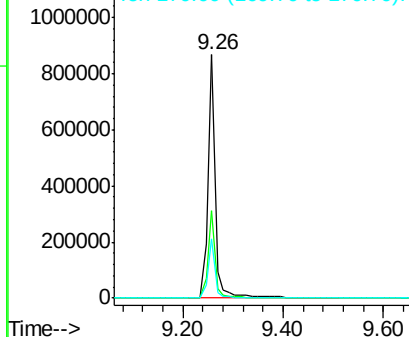


#44  
 2-Fluorobiphenyl  
 Concen: 59.40 ng  
 RT: 9.26 min Scan# 623  
 Delta R.T. -0.05 min  
 Lab File: BF081959.D  
 Acq: 2 Oct 2015 1:14

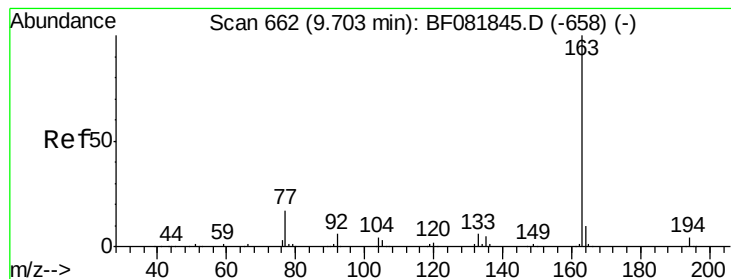
Tgt Ion:172 Resp: 892086  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 26.1 39.1  
 170 24.4 17.4 26.2



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: 20.34 ng

RT: 9.66 min Scan# 658

Delta R.T. -0.05 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

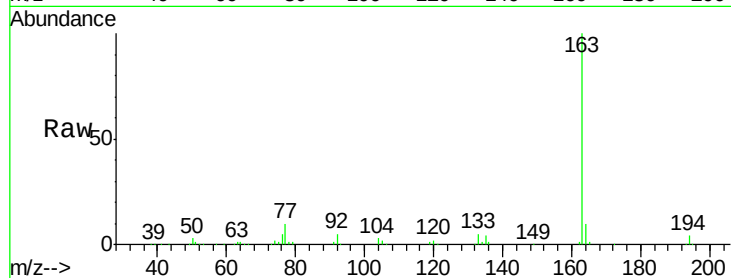
Tgt Ion:163 Resp: 332702

Ion Ratio Lower Upper

163 100

194 4.1 4.4 6.6#

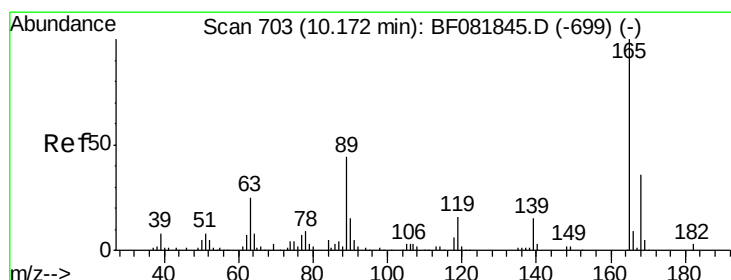
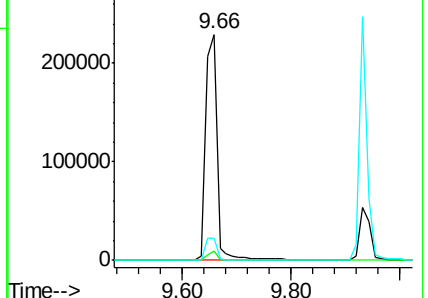
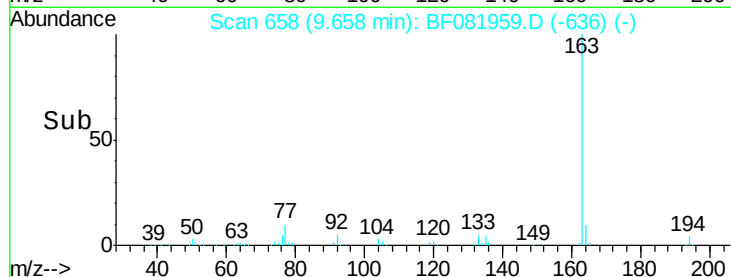
164 9.6 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.54 ng

RT: 9.93 min Scan# 682

Delta R.T. -0.24 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Tgt Ion:165 Resp: 29619

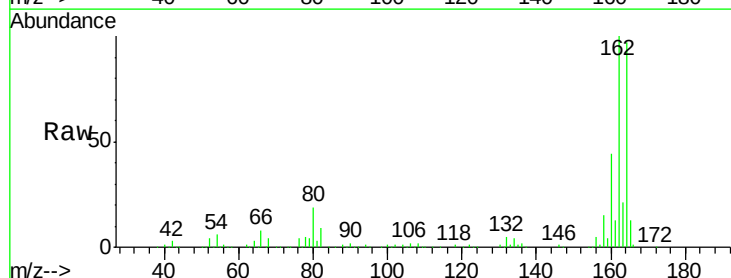
Ion Ratio Lower Upper

165 100

63 1.6 29.8 44.6#

89 1.1 44.5 66.7#

182 0.0 3.0 4.4#

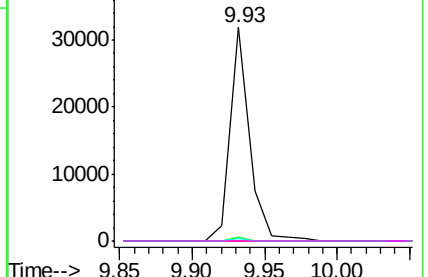
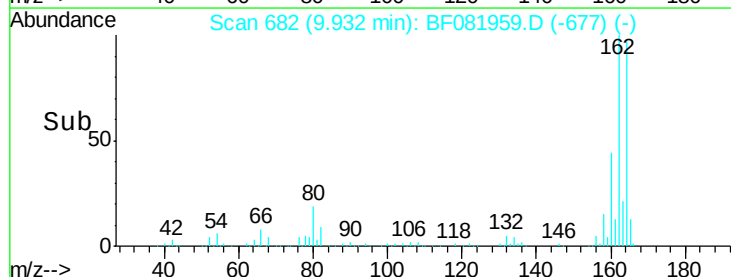


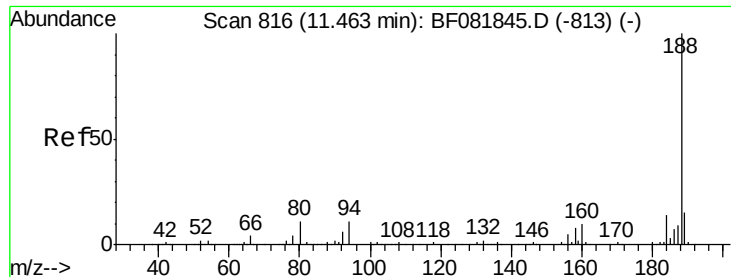
Abundance Ion 165.00 (164.70 to 165.70): E

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

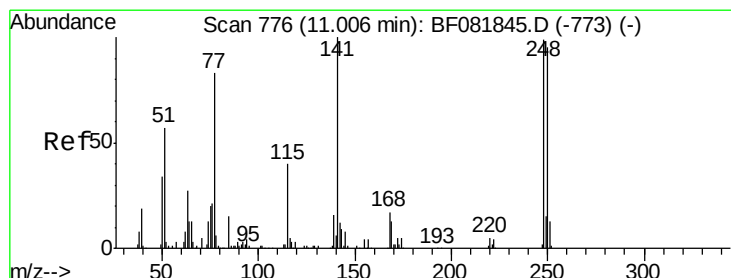
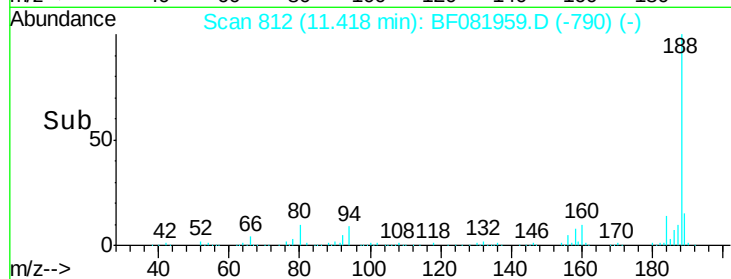
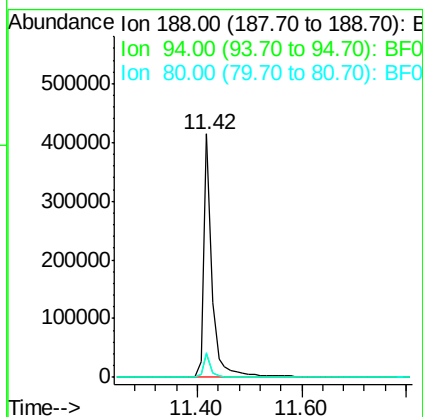
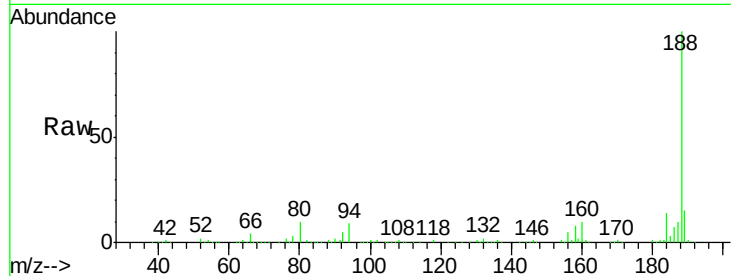




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 812  
Delta R.T. -0.05 min  
Lab File: BF081959.D  
Acq: 2 Oct 2015 1:14

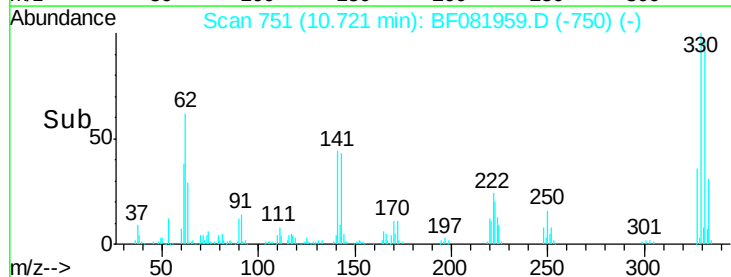
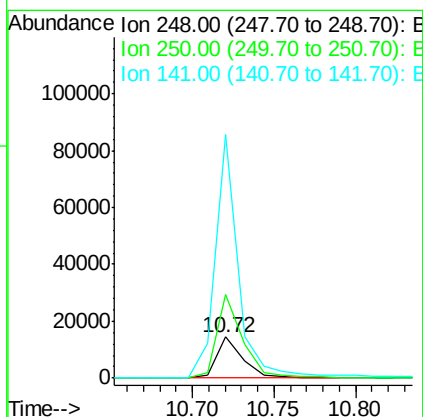
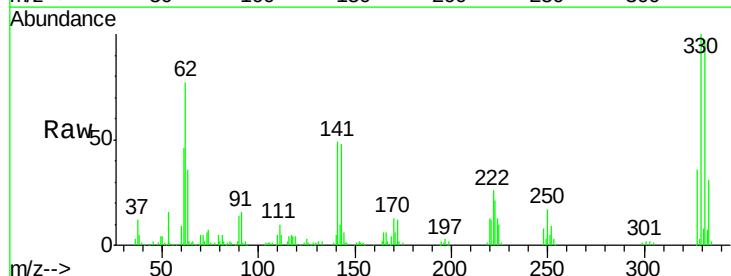
Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

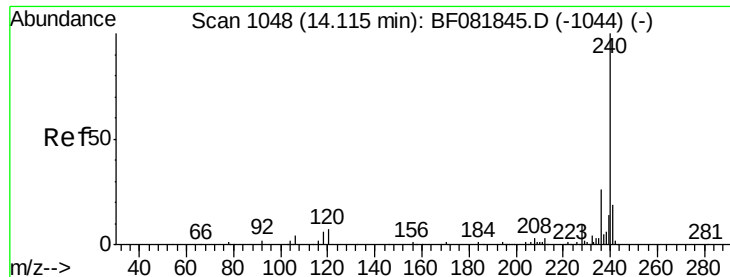
Tgt Ion:188 Resp: 468081  
Ion Ratio Lower Upper  
188 100  
94 9.5 11.1 16.7#  
80 10.1 11.0 16.4#



#66  
4-Bromophenyl-phenylether  
Concen: 3.42 ng  
RT: 10.72 min Scan# 751  
Delta R.T. -0.29 min  
Lab File: BF081959.D  
Acq: 2 Oct 2015 1:14

Tgt Ion:248 Resp: 16136  
Ion Ratio Lower Upper  
248 100  
250 202.3 78.5 117.7#  
141 589.4 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

Instrument :

BNA\_F

ClientSampleId :

DFTPP

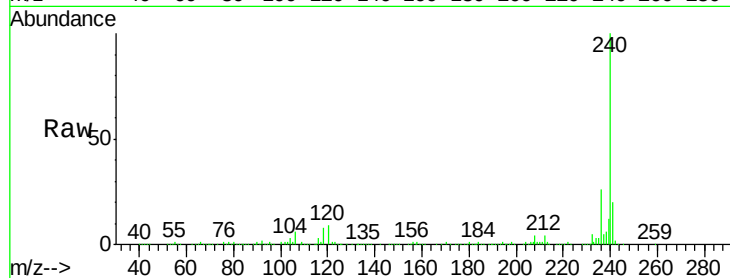
Tgt Ion:240 Resp: 445879

Ion Ratio Lower Upper

240 100

120 9.1 16.2 24.2#

236 26.2 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

14.06

400000

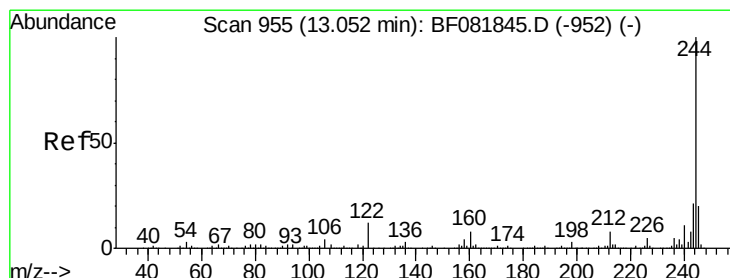
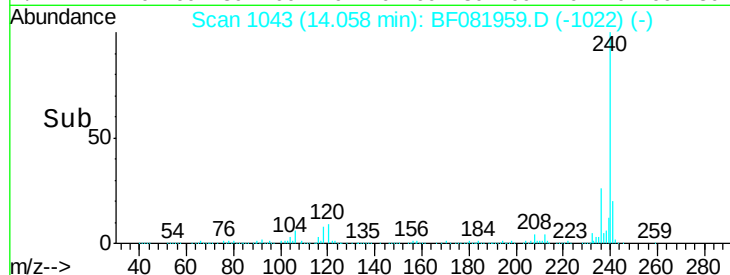
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 58.72 ng

RT: 13.01 min Scan# 951

Delta R.T. -0.05 min

Lab File: BF081959.D

Acq: 2 Oct 2015 1:14

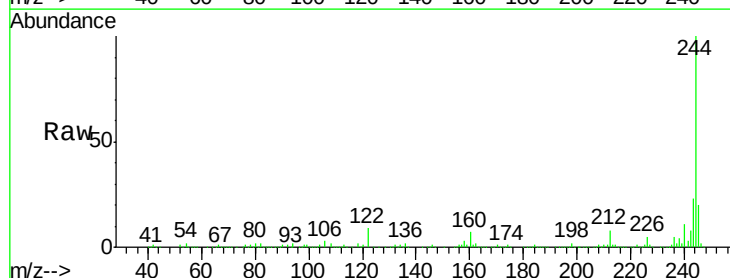
Tgt Ion:244 Resp: 883240

Ion Ratio Lower Upper

244 100

212 7.5 4.3 6.5#

122 9.3 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

13.01

1000000

800000

600000

400000

200000

0

Time-->

