

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
 Data File : BF082011.D  
 Acq On : 3 Oct 2015 8:32  
 Operator : UM/IZ  
 Sample : G3905-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF002-01

Quant Time: Oct 05 00:22:09 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

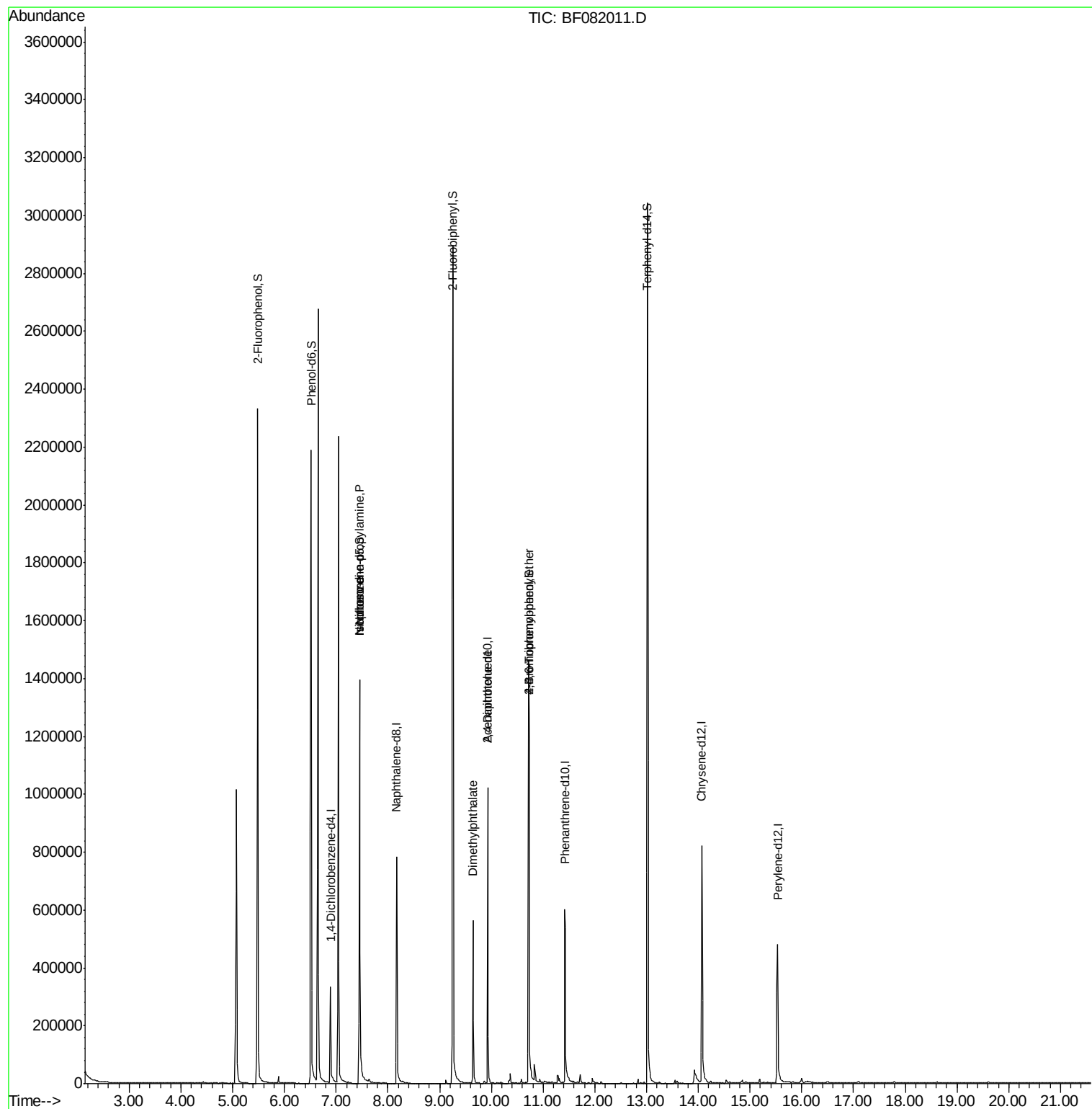
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.89  | 152  | 99712    | 20.00     | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.17  | 136  | 415181   | 20.00     | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.93  | 164  | 212988   | 20.00     | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.42 | 188  | 411821   | 20.00     | ng    | -0.05    |
| 75) Chrysene-d12               | 14.07 | 240  | 392704   | 20.00     | ng    | -0.05    |
| 86) Perylene-d12               | 15.53 | 264  | 299676   | 20.00     | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 791677   | 144.13    | ng    | -0.03    |
| 7) Phenol-d6                   | 6.51  | 99   | 924879   | 133.81    | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 588390   | 94.47     | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.73 | 330  | 298954   | 138.59    | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.26  | 172  | 1278637  | 105.28    | ng    | -0.05    |
| 78) Terphenyl-d14              | 13.02 | 244  | 1254539  | 113.41    | ng    | -0.03    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 71846    | 17.10     | ng    | # 60     |
| 25) Isophorone                 | 7.45  | 82   | 539069   | 43.67     | ng    | # 58     |
| 49) Dimethylphthalate          | 9.65  | 163  | 284401   | 19.34     | ng    | # 97     |
| 56) 2,4-Dinitrotoluene         | 9.93  | 165  | 27123    | 6.67      | ng    | # 32     |
| 57) Fluorene                   | 10.72 | 166  | 10582    | Below Cal | #     | 81       |
| 66) 4-Bromophenyl-phenylether  | 10.73 | 248  | 18712    | 4.51      | ng    | # 1      |
| 70) Phenanthrene               | 11.45 | 178  | 604      | Below Cal | #     | 62       |
| 73) Di-n-butylphthalate        | 11.99 | 149  | 2081     | Below Cal | #     | 78       |

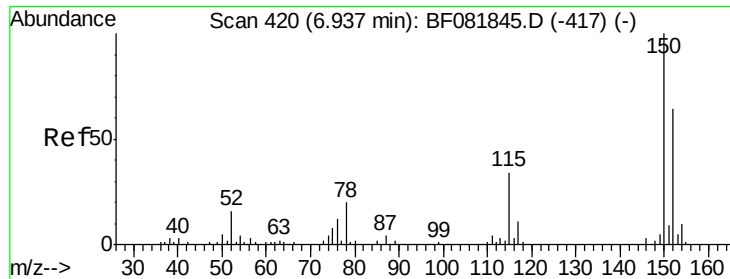
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100215\  
Data File : BF082011.D  
Acq On : 3 Oct 2015 8:32  
Operator : UM/IZ  
Sample : G3905-05  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

Quant Time: Oct 05 00:22:09 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: BF082011.D

Acq: 3 Oct 2015 8:32

Instrument :

BNA\_F

ClientSampleId :

P001-BF002-01

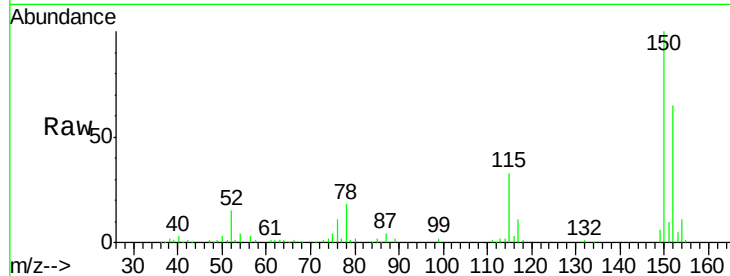
Tgt Ion:152 Resp: 99712

Ion Ratio Lower Upper

152 100

150 153.6 124.7 187.1

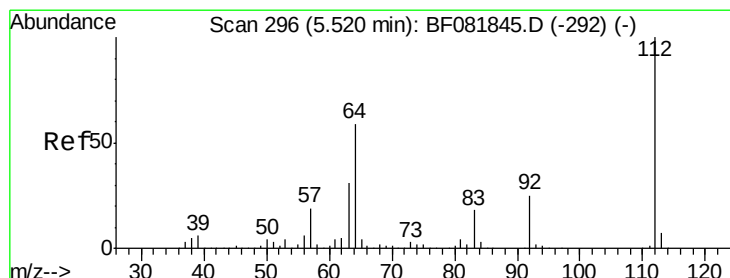
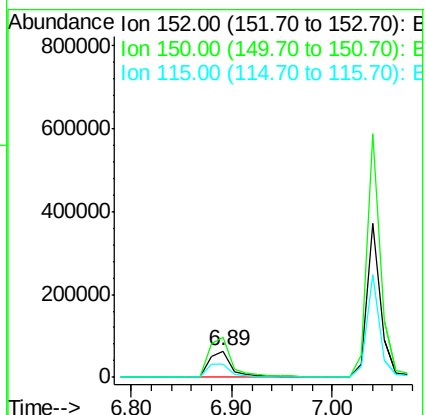
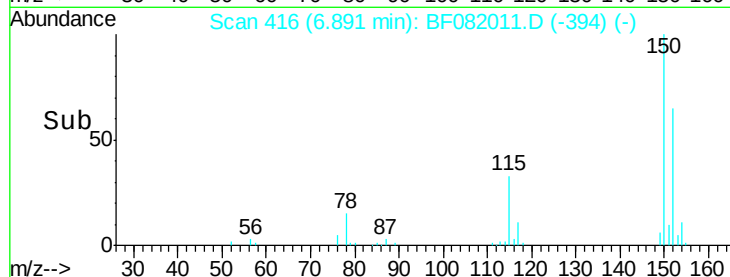
115 50.8 39.0 58.4



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: 144.13 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082011.D

Acq: 3 Oct 2015 8:32

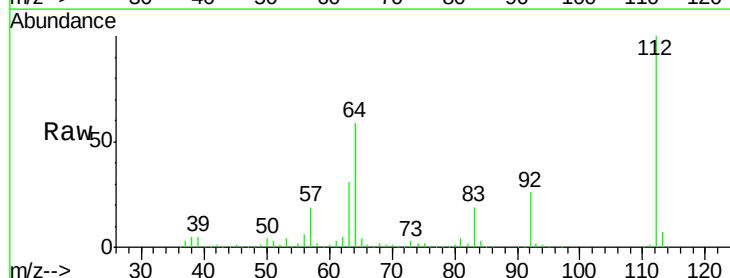
Tgt Ion:112 Resp: 791677

Ion Ratio Lower Upper

112 100

64 59.2 39.7 59.5

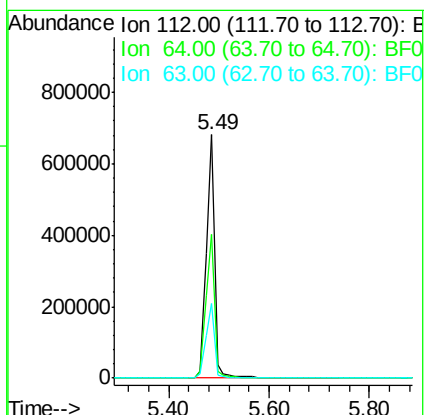
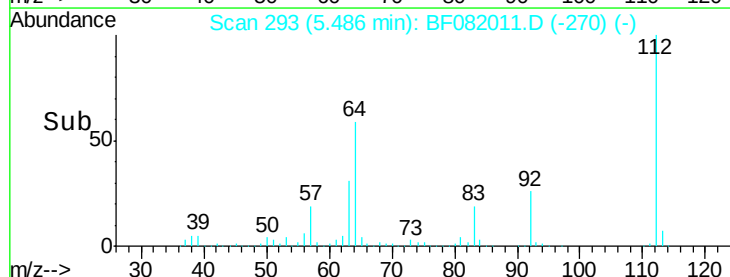
63 30.8 17.4 26.0#

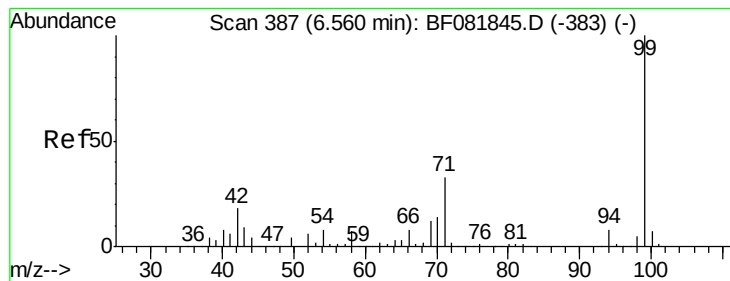


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 133.81 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082011.D

Acq: 3 Oct 2015 8:32

Instrument :

BNA\_F

ClientSampleId :

P001-BF002-01

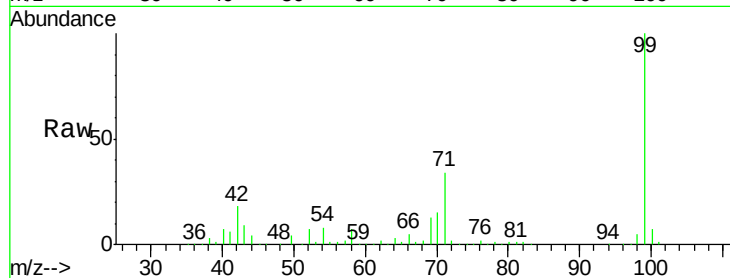
Tgt Ion: 99 Resp: 924879

Ion Ratio Lower Upper

99 100

42 18.4 13.7 20.5

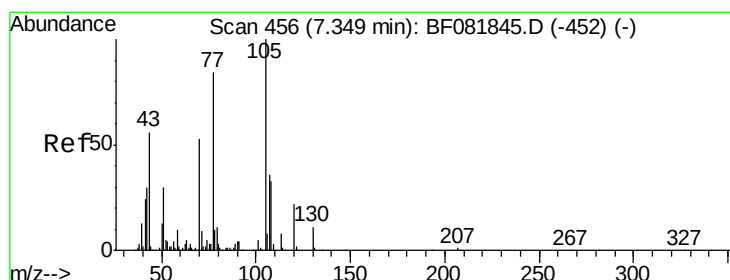
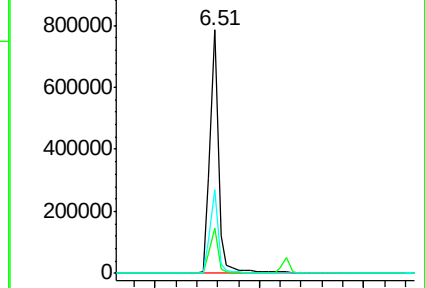
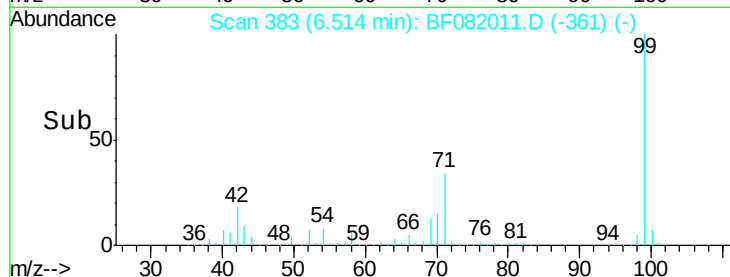
71 34.4 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.10 ng

RT: 7.45 min Scan# 465

Delta R.T. 0.10 min

Lab File: BF082011.D

Acq: 3 Oct 2015 8:32

Tgt Ion: 70 Resp: 71846

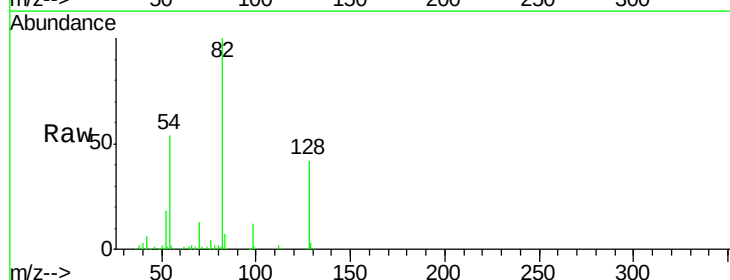
Ion Ratio Lower Upper

70 100

42 48.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#

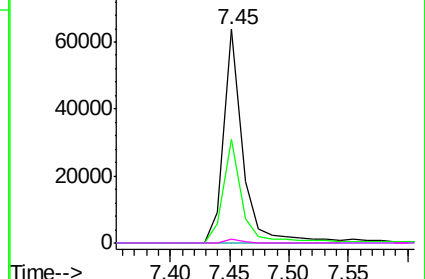
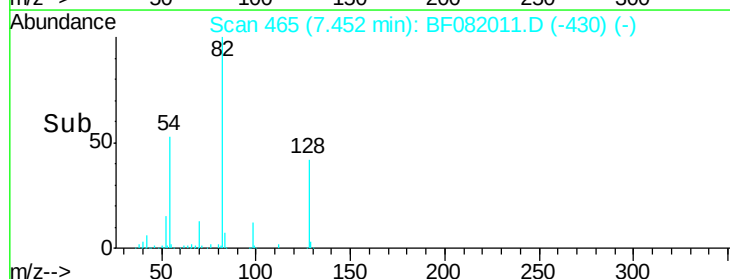


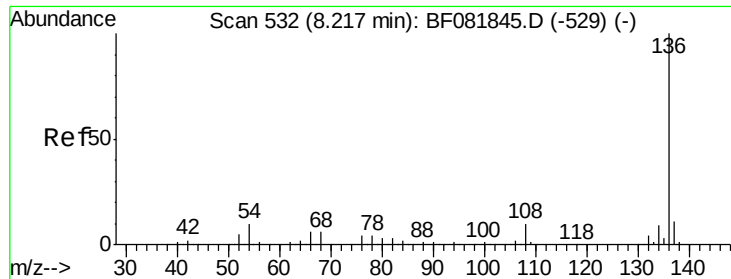
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

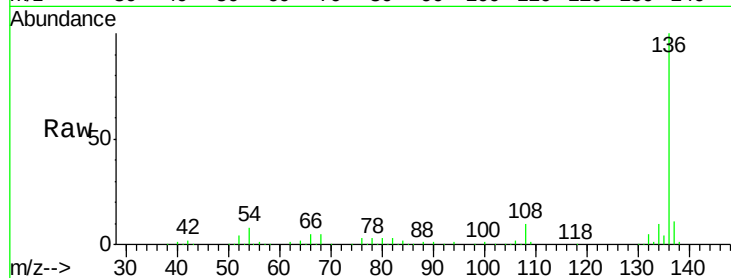




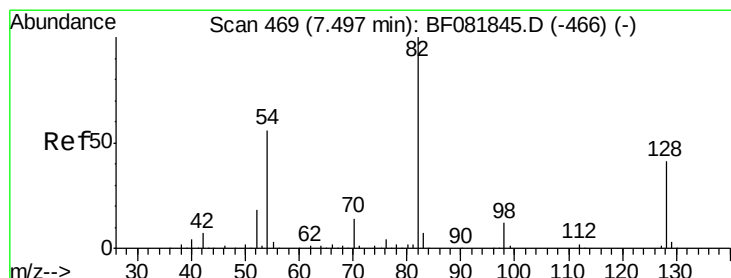
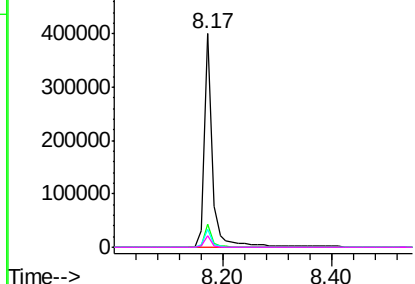
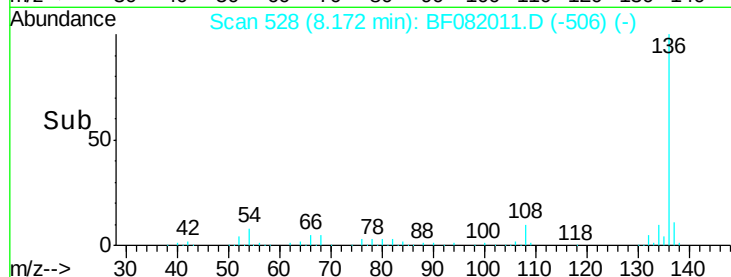
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 528  
Delta R.T. -0.05 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

Tgt Ion: 136 Resp: 415181  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.6  
54 8.1 8.2 12.2#  
68 5.3 5.8 8.6#

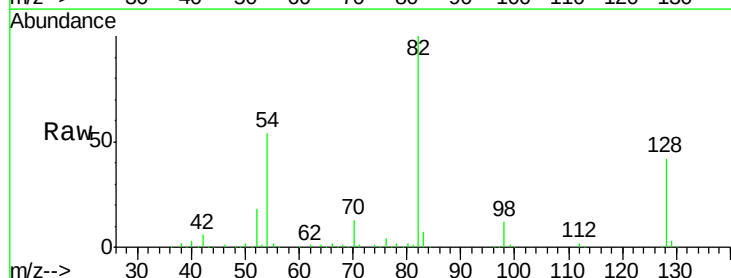


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

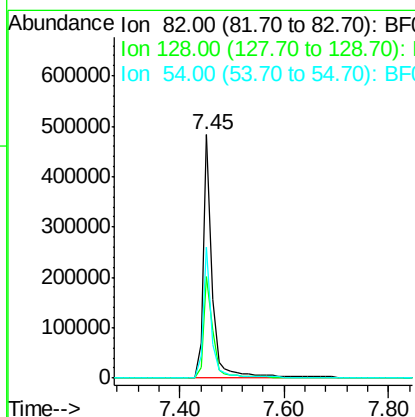
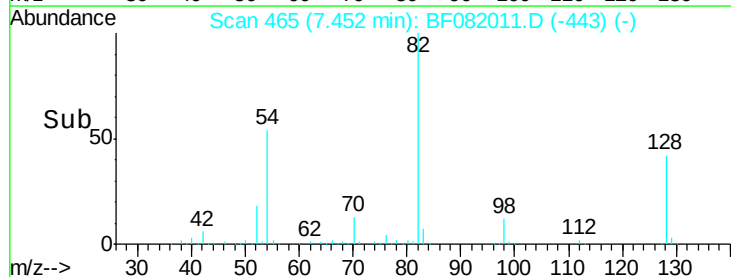


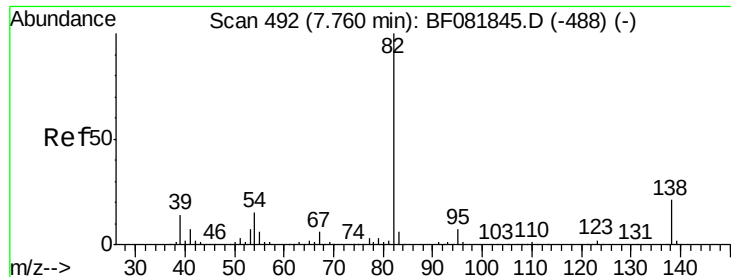
#23  
Nitrobenzene-d5  
Concen: 94.47 ng  
RT: 7.45 min Scan# 465  
Delta R.T. -0.05 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Tgt Ion: 82 Resp: 588390  
Ion Ratio Lower Upper  
82 100  
128 41.6 51.0 76.6#  
54 53.7 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

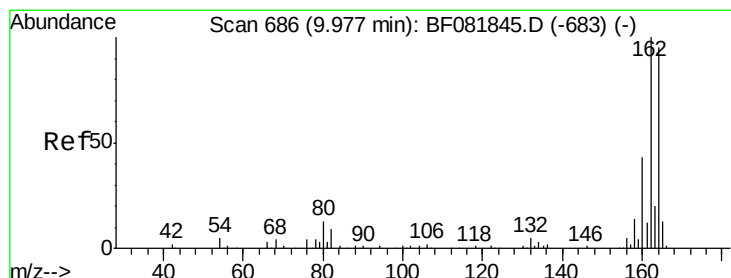
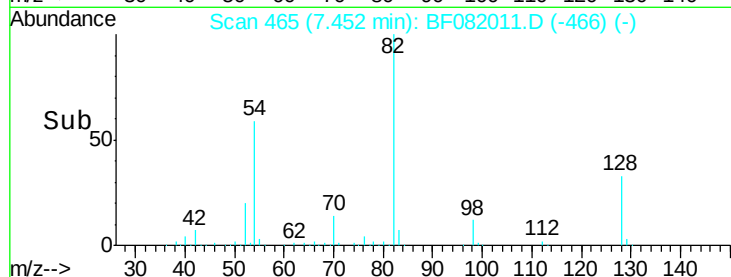
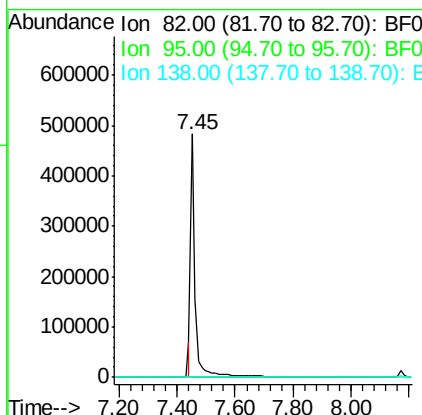
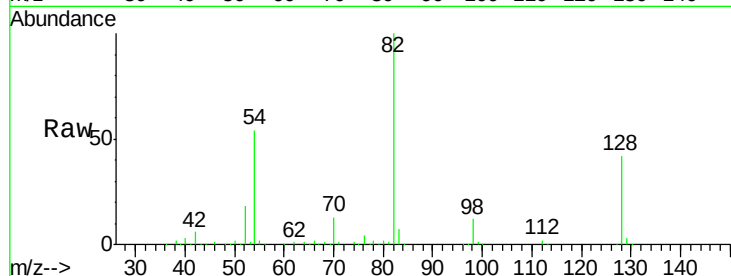




#25  
Isophorone  
Concen: 43.67 ng  
RT: 7.45 min Scan# 465  
Delta R.T. -0.31 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

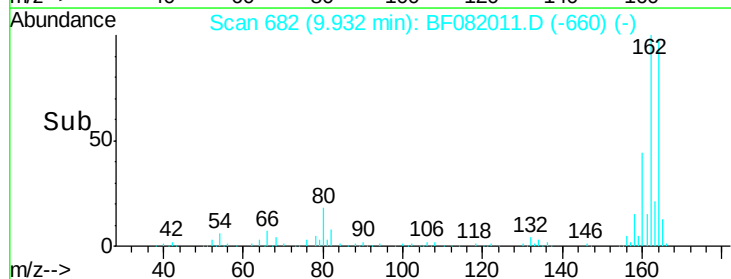
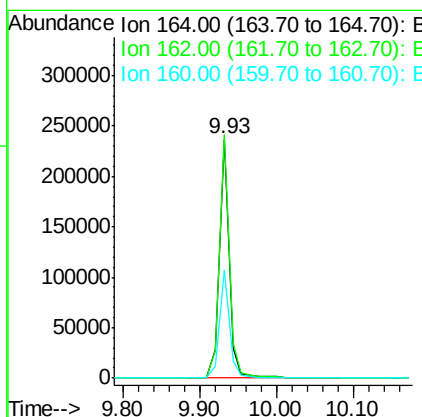
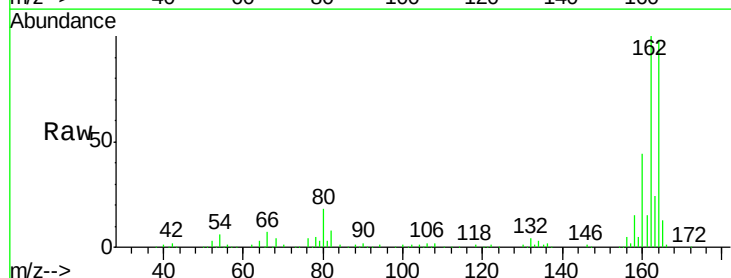
Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

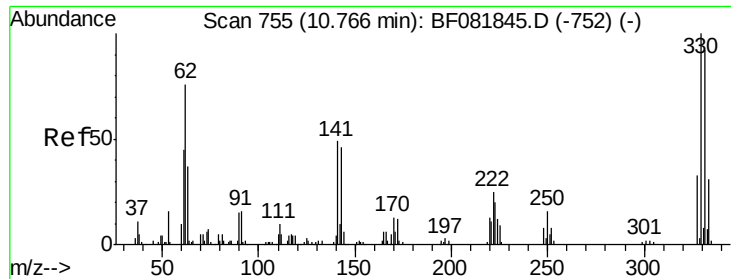
Tgt Ion: 82 Resp: 539069  
Ion Ratio Lower Upper  
82 100  
95 0.0 4.0 6.0#  
138 0.0 18.3 27.5#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.05 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Tgt Ion: 164 Resp: 212988  
Ion Ratio Lower Upper  
164 100  
162 101.9 75.2 112.8  
160 45.0 31.5 47.3

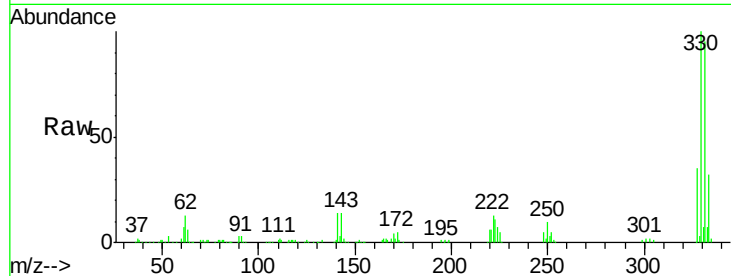




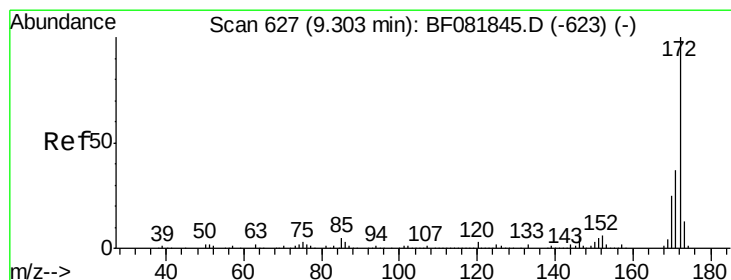
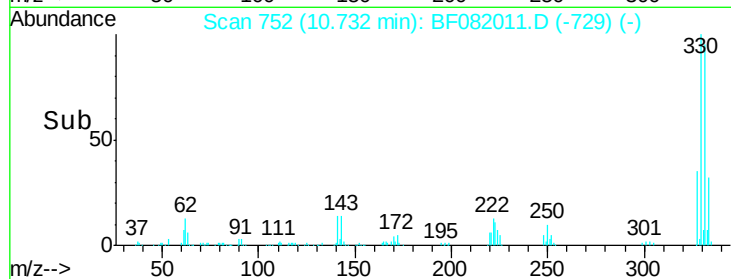
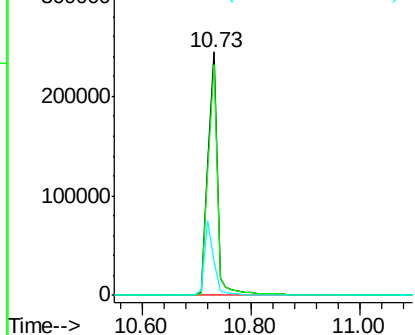
#41  
 2,4,6-Tribromophenol  
 Concen: 138.59 ng  
 RT: 10.73 min Scan# 752  
 Delta R.T. -0.03 min  
 Lab File: BF082011.D  
 Acq: 3 Oct 2015 8:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-BF002-01

Tgt Ion:330 Resp: 298954  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 76.6 114.8  
 141 30.3 29.7 44.5

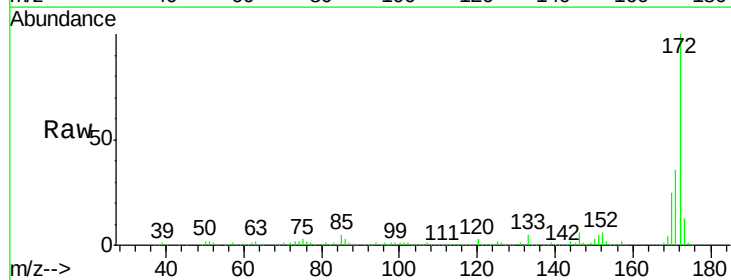


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

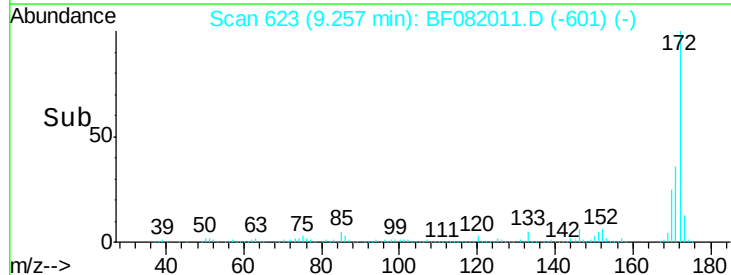
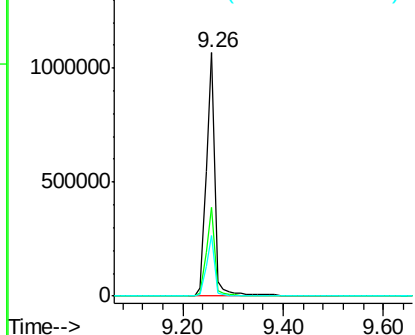


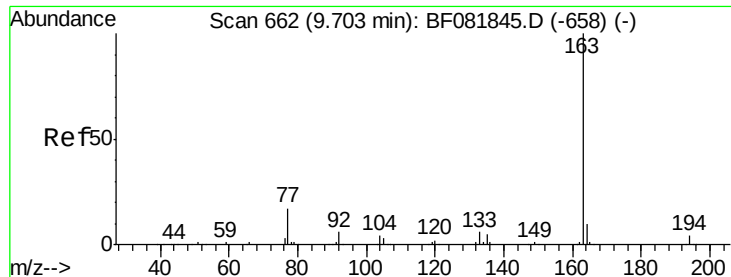
#44  
 2-Fluorobiphenyl  
 Concen: 105.28 ng  
 RT: 9.26 min Scan# 623  
 Delta R.T. -0.05 min  
 Lab File: BF082011.D  
 Acq: 3 Oct 2015 8:32

Tgt Ion:172 Resp: 1278637  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 26.1 39.1  
 170 24.8 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

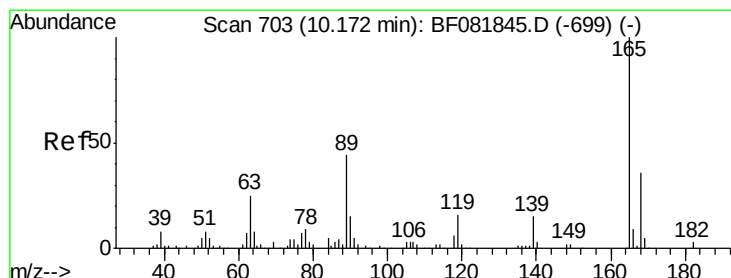
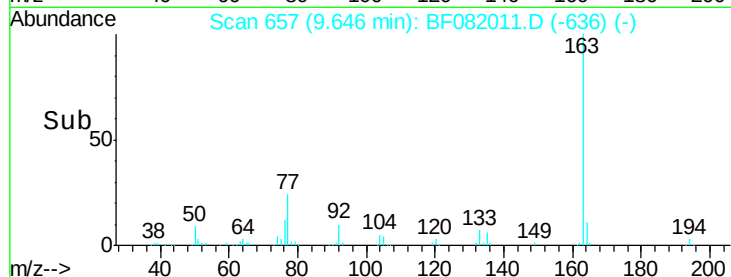
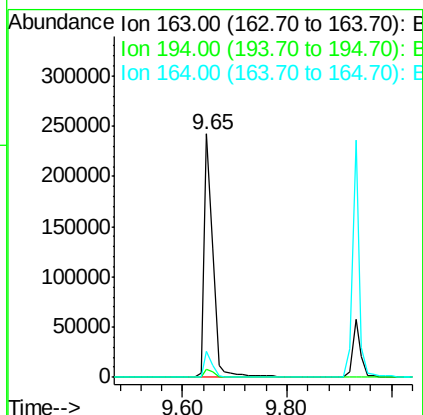
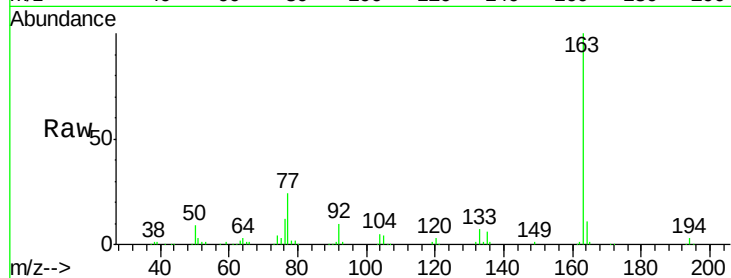




#49  
Dimethylphthalate  
Concen: 19.34 ng  
RT: 9.65 min Scan# 657  
Delta R.T. -0.06 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

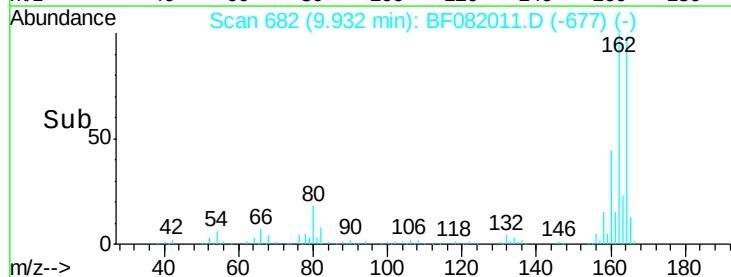
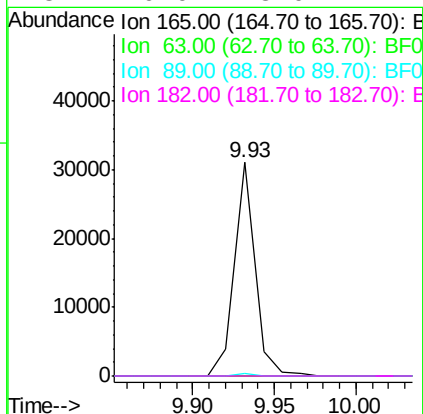
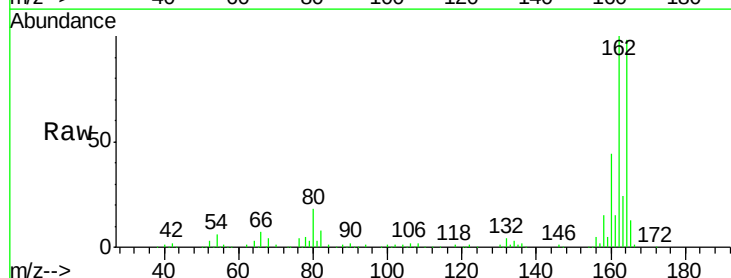
Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

Tgt Ion:163 Resp: 284401  
Ion Ratio Lower Upper  
163 100  
194 3.2 4.4 6.6#  
164 10.7 8.3 12.5

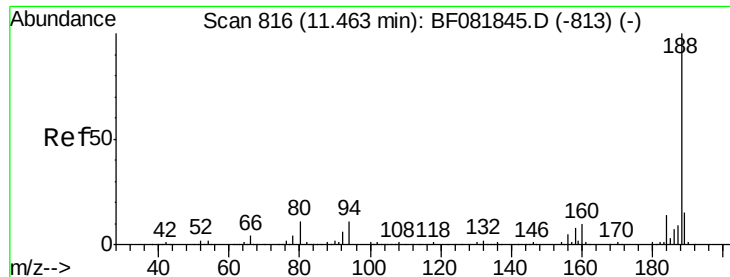


#56  
2,4-Dinitrotoluene  
Concen: 6.67 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.24 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Tgt Ion:165 Resp: 27123  
Ion Ratio Lower Upper  
165 100  
63 0.0 29.8 44.6#  
89 1.2 44.5 66.7#  
182 0.0 3.0 4.4#



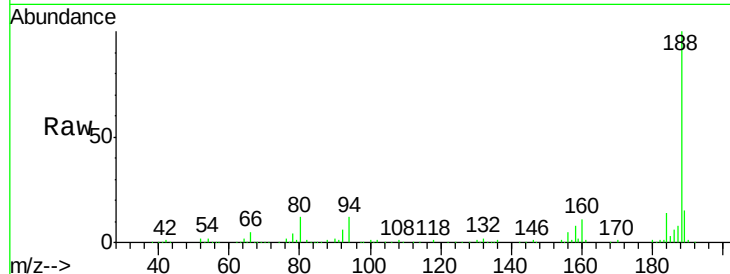




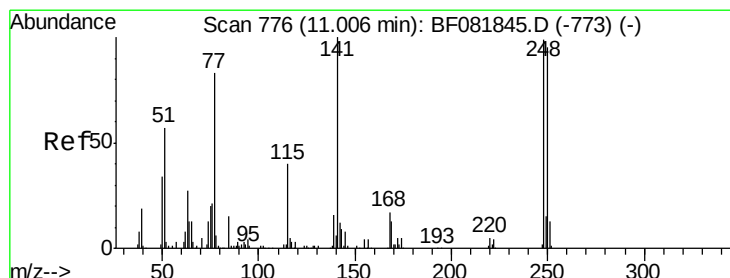
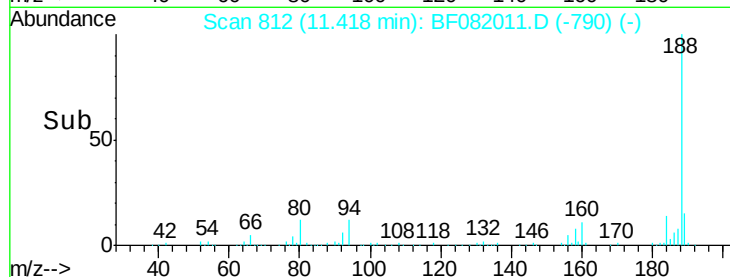
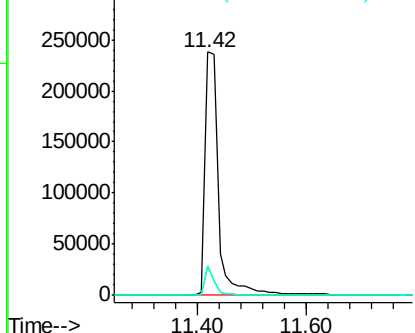
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 812  
Delta R.T. -0.05 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

Tgt Ion:188 Resp: 411821  
Ion Ratio Lower Upper  
188 100  
94 11.7 11.1 16.7  
80 12.4 11.0 16.4

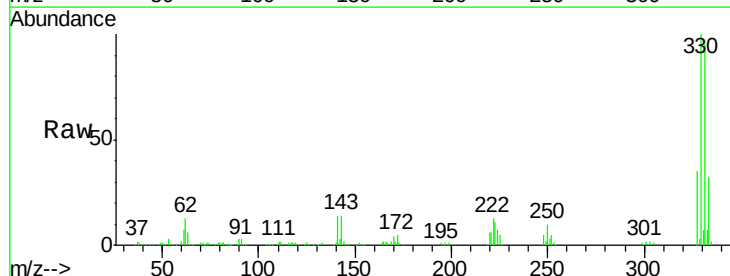


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

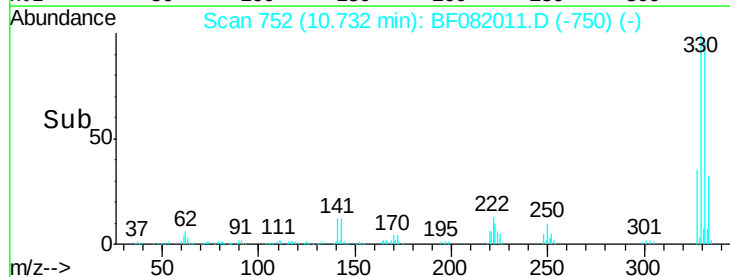
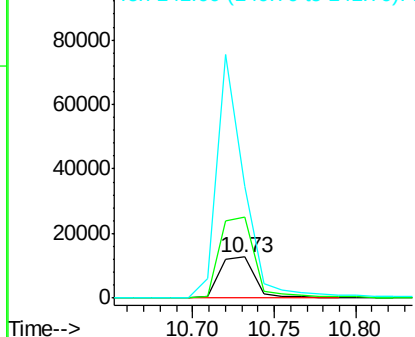


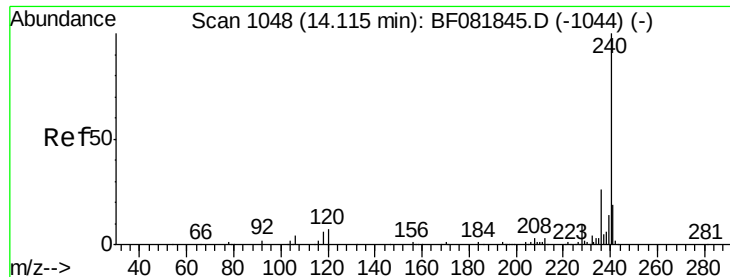
#66  
4-Bromophenyl-phenylether  
Concen: 4.51 ng  
RT: 10.73 min Scan# 752  
Delta R.T. -0.27 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Tgt Ion:248 Resp: 18712  
Ion Ratio Lower Upper  
248 100  
250 198.8 78.5 117.7#  
141 271.2 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF082011.D

Acq: 3 Oct 2015 8:32

Instrument :

BNA\_F

ClientSampleId :

P001-BF002-01

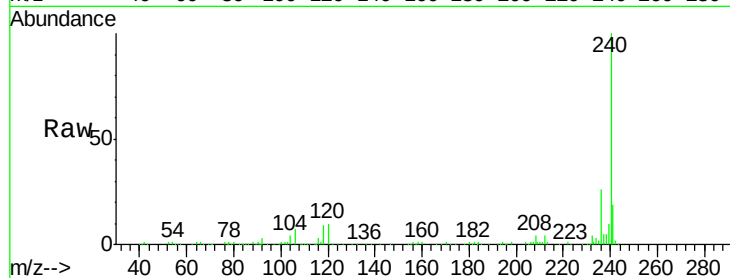
Tgt Ion:240 Resp: 392704

Ion Ratio Lower Upper

240 100

120 10.4 16.2 24.2#

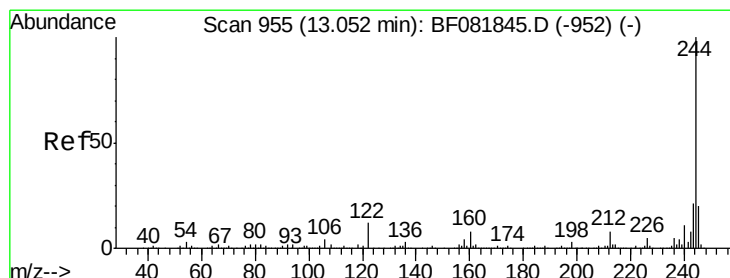
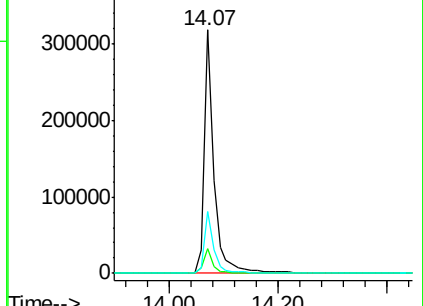
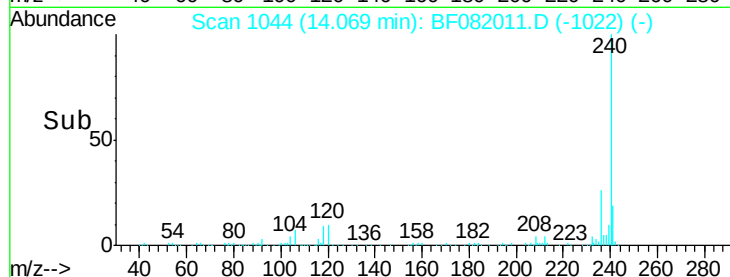
236 25.6 18.4 27.6



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: 113.41 ng

RT: 13.02 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF082011.D

Acq: 3 Oct 2015 8:32

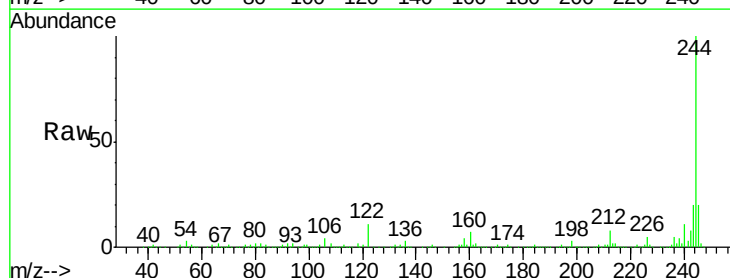
Tgt Ion:244 Resp: 1254539

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

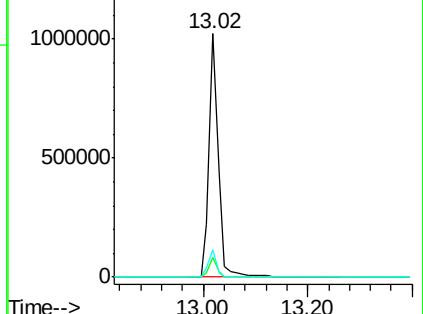
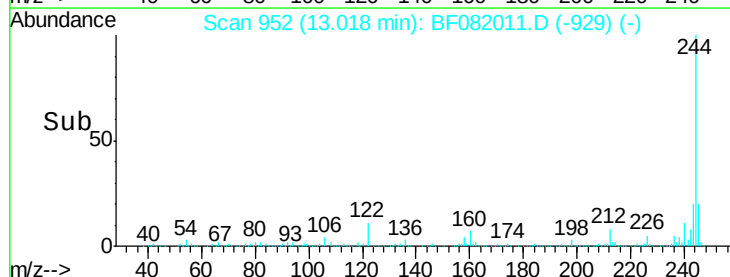
122 11.4 17.4 26.2#

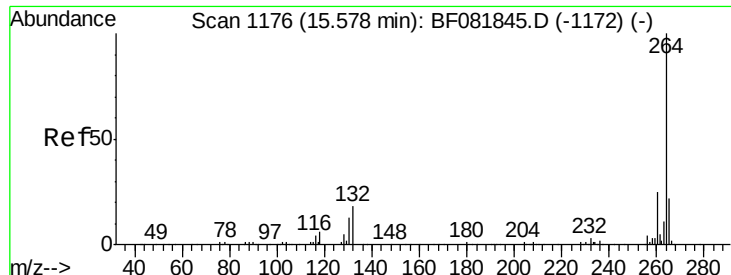


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

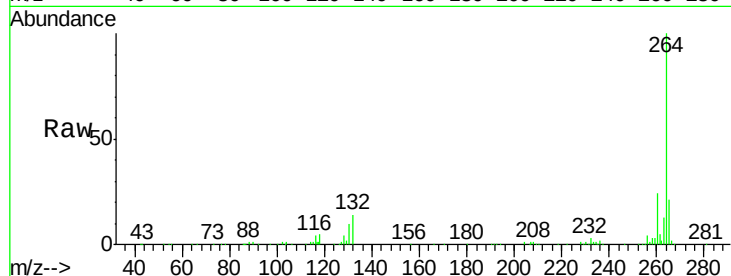




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.53 min Scan# 1172  
Delta R.T. -0.05 min  
Lab File: BF082011.D  
Acq: 3 Oct 2015 8:32

Instrument :  
BNA\_F  
ClientSampleId :  
P001-BF002-01

Tgt Ion: 264 Resp: 299676  
Ion Ratio Lower Upper  
264 100  
260 23.8 16.7 25.1  
265 21.4 17.2 25.8



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

