

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\  
 Data File : BF083552.D  
 Acq On : 7 Dec 2015 9:48  
 Operator : UM/IZ  
 Sample : G4594-12  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 07 11:31:55 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 05 04:12:46 2015  
 Response via : Initial Calibration

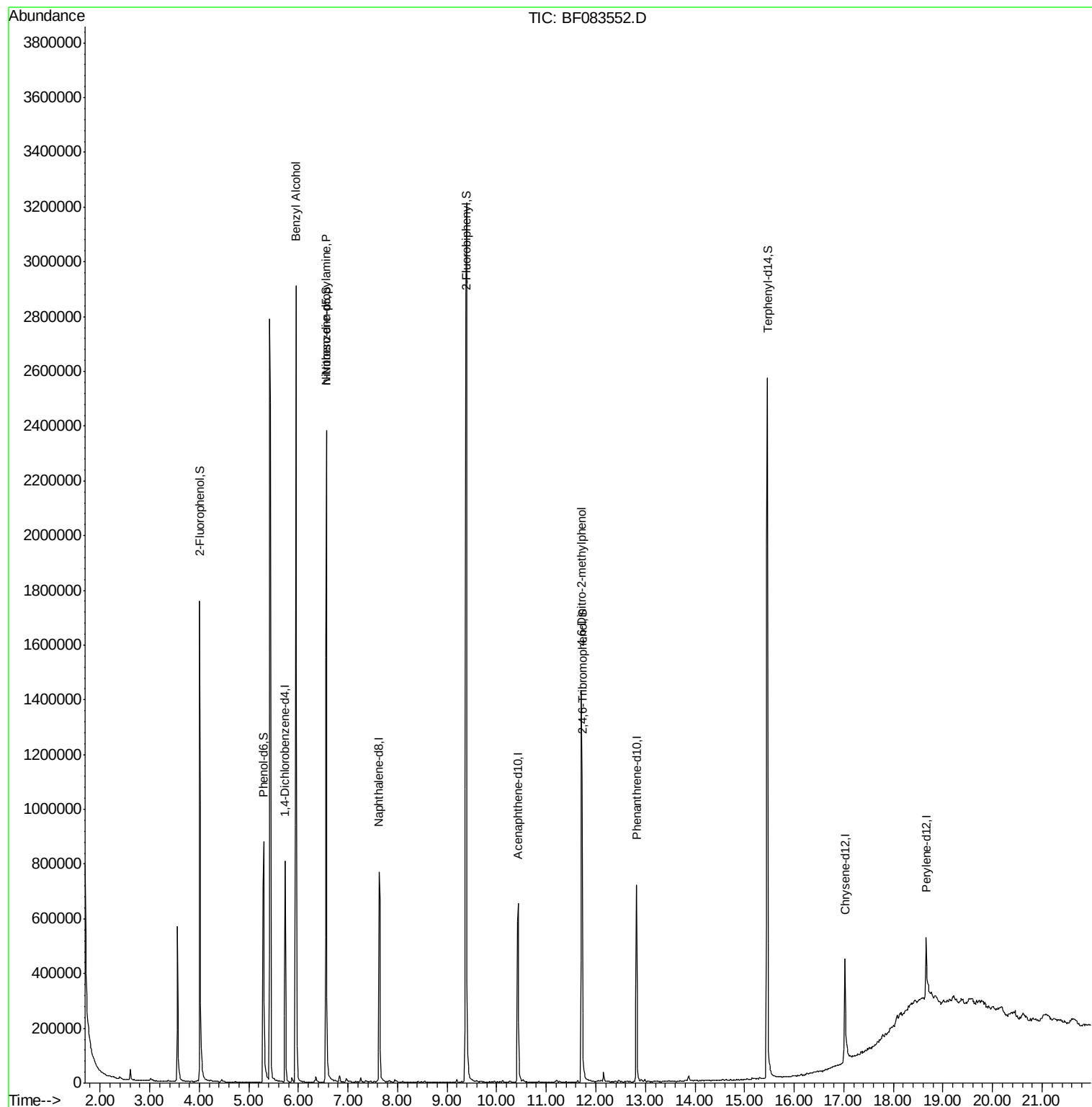
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.73  | 152  | 149565   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 7.63  | 136  | 554899   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 10.43 | 164  | 249826   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 12.82 | 188  | 388973   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 17.03 | 240  | 321814   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 18.66 | 264  | 237696   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 4.01  | 112  | 653470   | 66.29  | ng    | -0.02    |
| 7) Phenol-d6                   | 5.30  | 99   | 549185   | 40.43  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 6.57  | 82   | 1212025  | 102.10 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 11.72 | 330  | 273188   | 118.54 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.39  | 172  | 1844890  | 100.16 | ng    | -0.03    |
| 78) Terphenyl-d14              | 15.46 | 244  | 1350098  | 93.35  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 5.95  | 79   | 19033    | 2.02   | ng    | # 49     |
| 19) n-Nitroso-di-n-propylamine | 6.57  | 70   | 157742   | 17.41  | ng    | # 81     |
| 64) 4,6-Dinitro-2-methylphenol | 11.71 | 198  | 675      | 3.72   | ng    | # 1      |

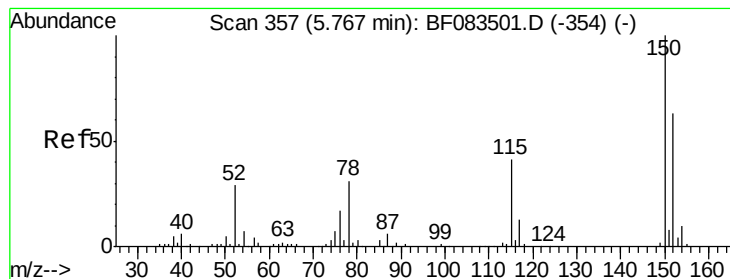
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\  
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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Dec 07 11:31:55 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 05 04:12:46 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.73 min Scan# 354

Delta R.T. -0.03 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

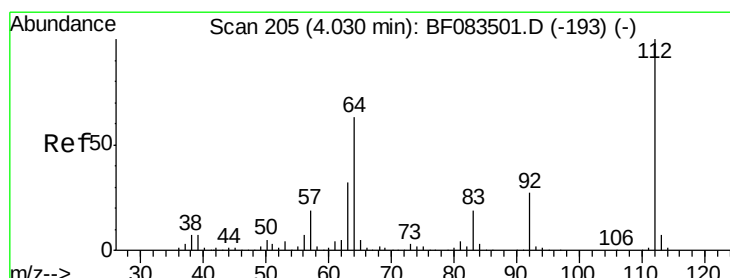
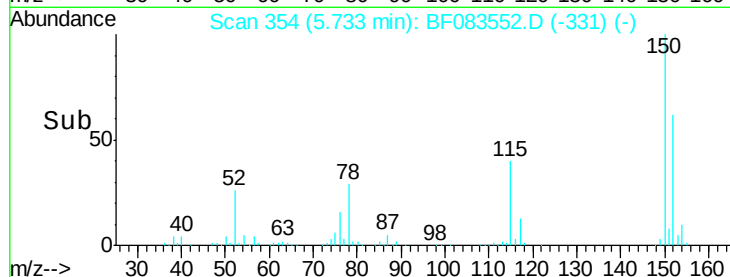
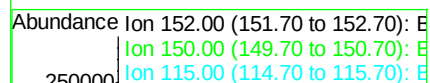
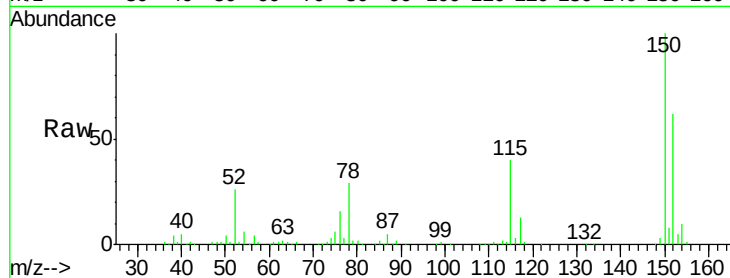
Tot Ion:152 Resp: 149565

Ion Ratio Lower Upper

152 100

150 161.1 126.5 189.7

115 65.0 52.3 78.5



#5

2-Fluorophenol

Concen: 66.29 ng

RT: 4.01 min Scan# 203

Delta R.T. -0.02 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

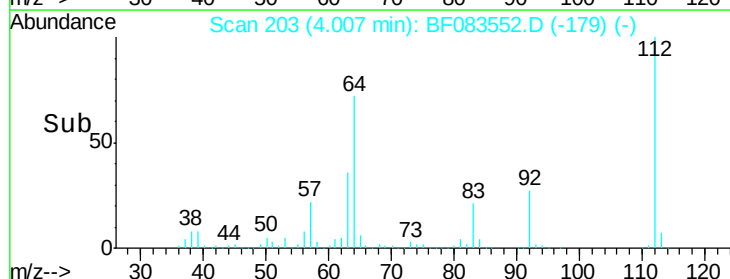
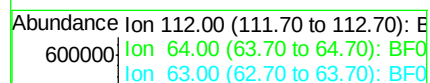
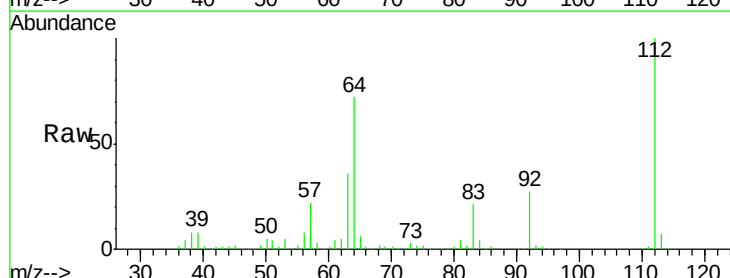
Tgt Ion:112 Resp: 653470

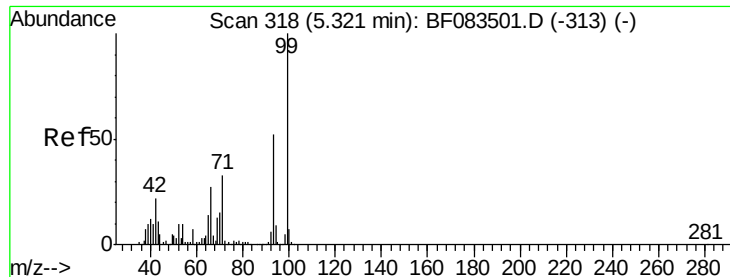
Ion Ratio Lower Upper

112 100

64 72.1 50.5 75.7

63 36.0 25.8 38.6





#7

Phenol-d6

Concen: 40.43 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

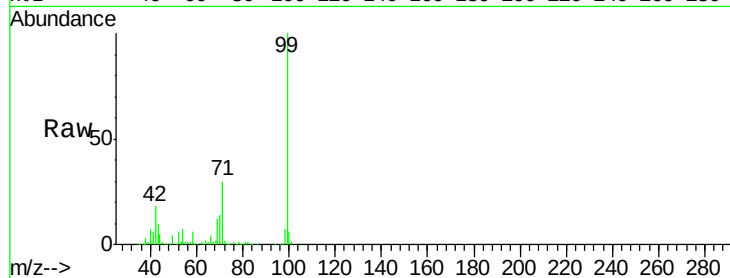
Tot Ion: 99 Resp: 549185

Ion Ratio Lower Upper

99 100

42 18.2 17.3 25.9

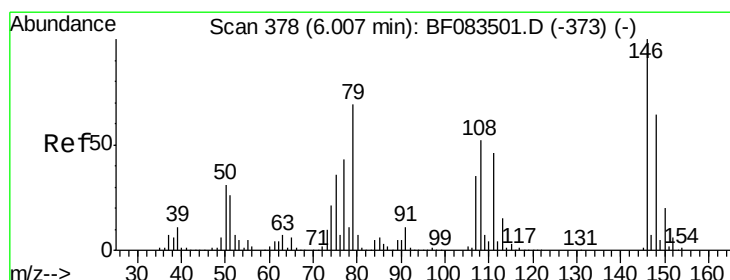
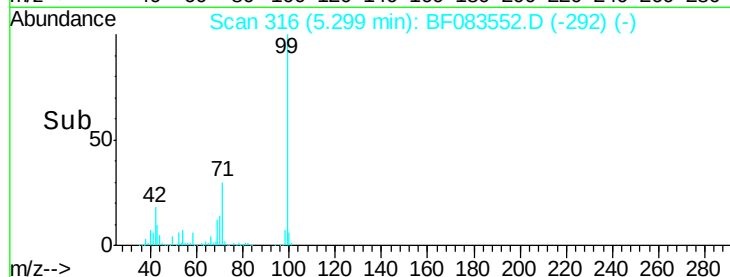
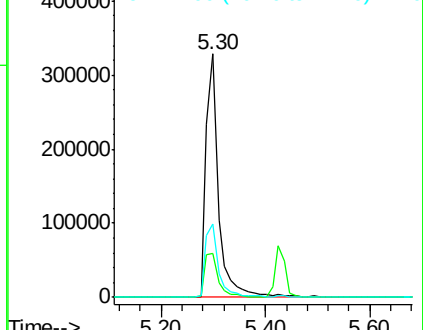
71 30.2 26.6 40.0



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 5.95 min Scan# 373

Delta R.T. -0.06 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

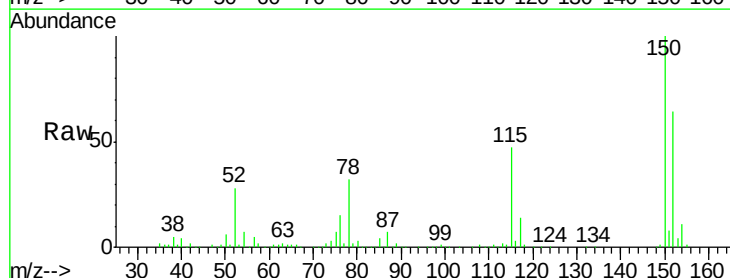
Tgt Ion: 79 Resp: 19033

Ion Ratio Lower Upper

79 100

108 26.8 59.6 89.4#

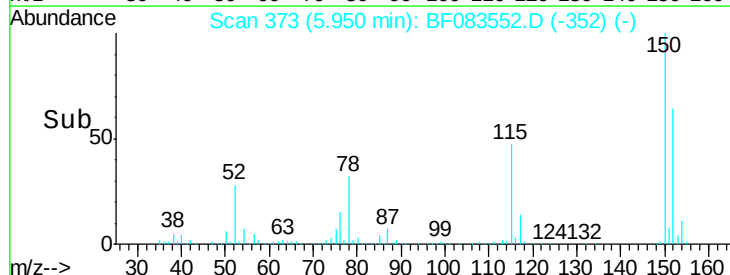
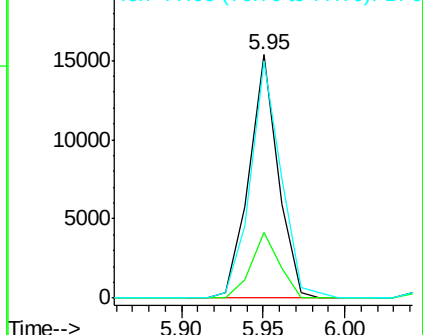
77 97.3 49.8 74.6#

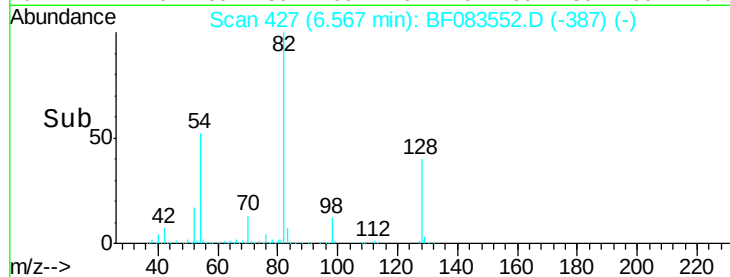
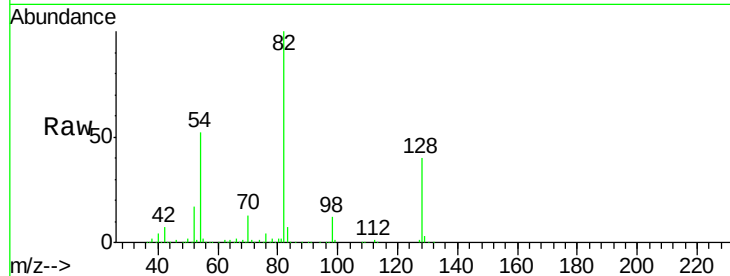
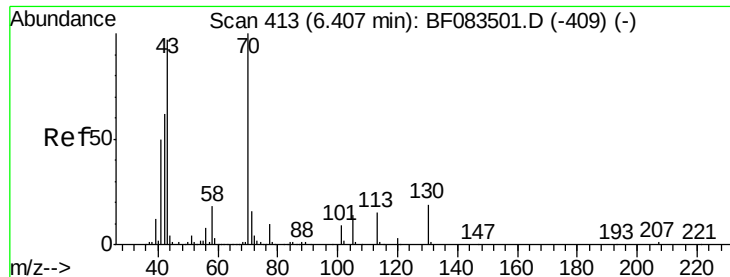


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

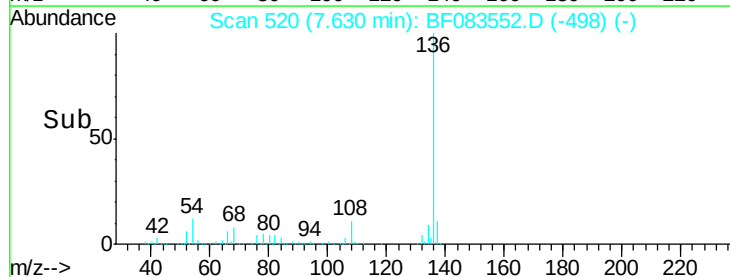
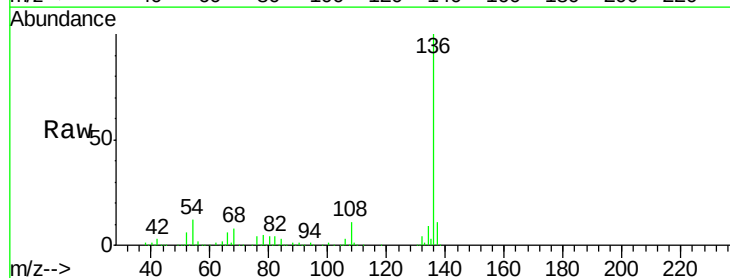
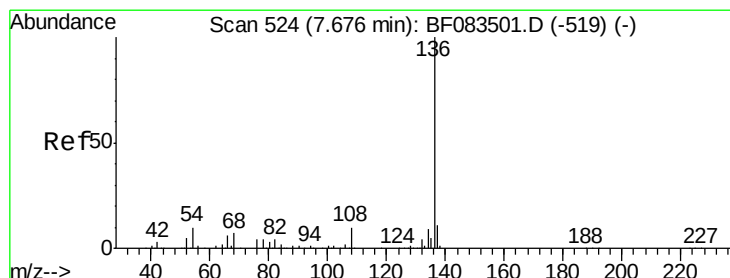
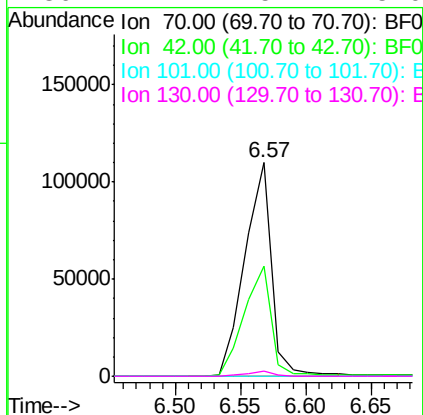




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.41 ng  
RT: 6.57 min Scan# 427  
Delta R.T. 0.16 min  
Lab File: BF083552.D  
Acq: 7 Dec 2015 9:48

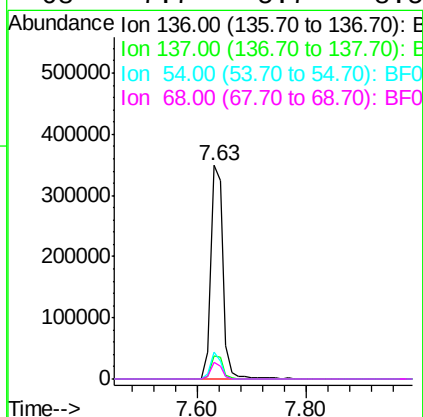
Instrument :  
BNA\_F  
ClientSampleId :

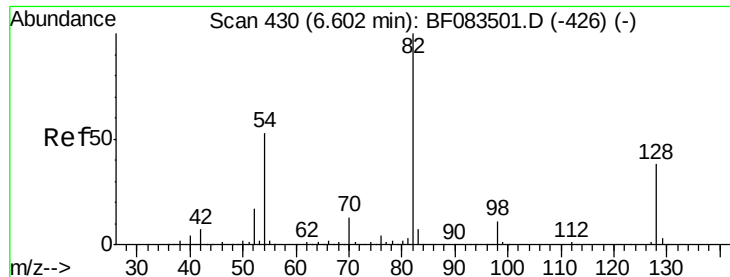
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 51.7 | 49.2  | 73.8  |       |
| 101     | 0.0  | 7.1   | 10.7  |       |
| 130     | 2.1  | 15.4  | 23.0  |       |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.63 min Scan# 520  
Delta R.T. -0.05 min  
Lab File: BF083552.D  
Acq: 7 Dec 2015 9:48

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 136     | 100  |       |       |       |
| 137     | 11.0 | 8.7   | 13.1  |       |
| 54      | 12.3 | 7.8   | 11.6  |       |
| 68      | 7.7  | 5.7   | 8.5   |       |





#23

Nitrobenzene-d5

Concen: 102.10 ng

RT: 6.57 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

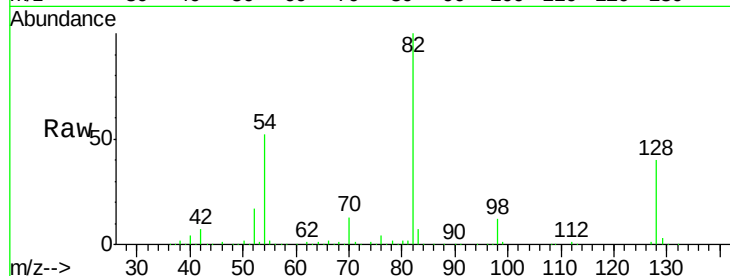
Tot Ion: 82 Resp: 1212025

Ion Ratio Lower Upper

82 100

128 39.9 30.7 46.1

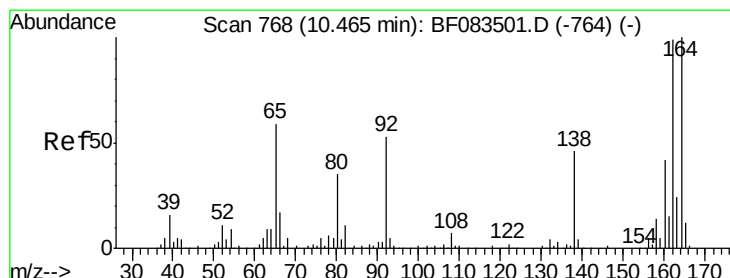
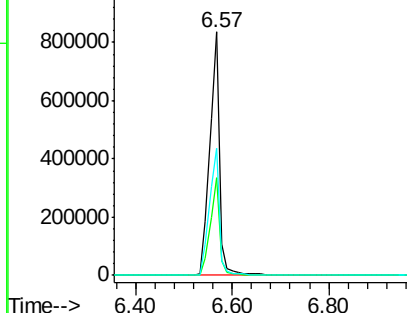
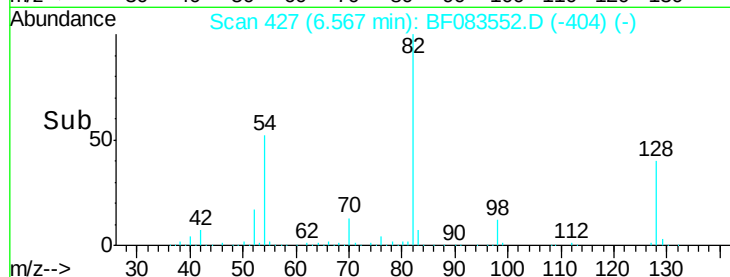
54 52.4 42.5 63.7



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: 10.43 min Scan# 765

Delta R.T. -0.03 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

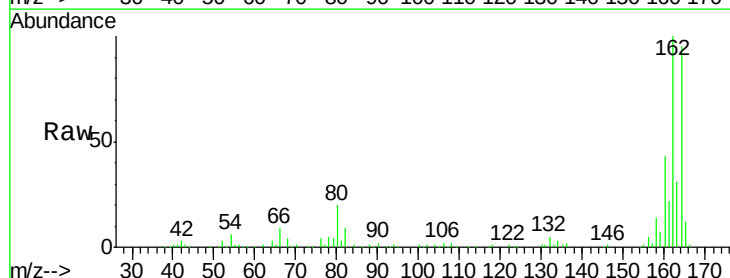
Tgt Ion:164 Resp: 249826

Ion Ratio Lower Upper

164 100

162 105.5 78.8 118.2

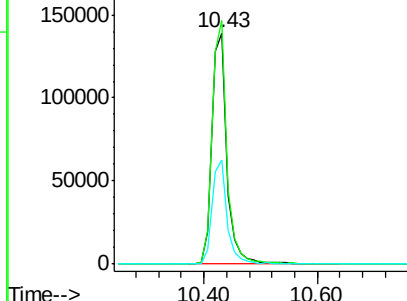
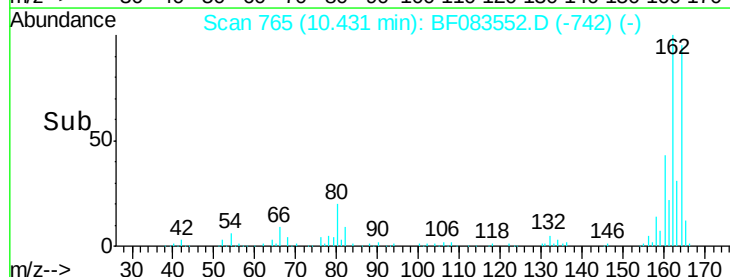
160 45.0 33.4 50.2

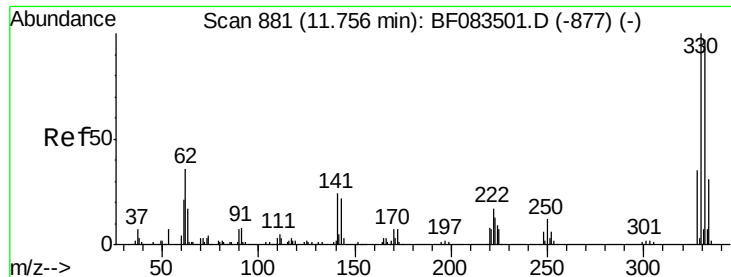


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

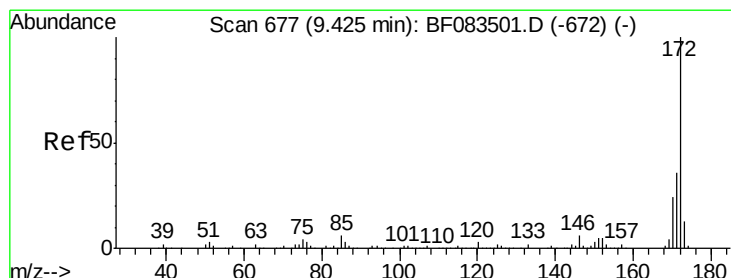
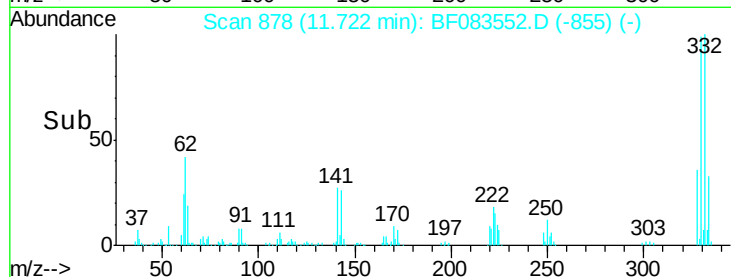
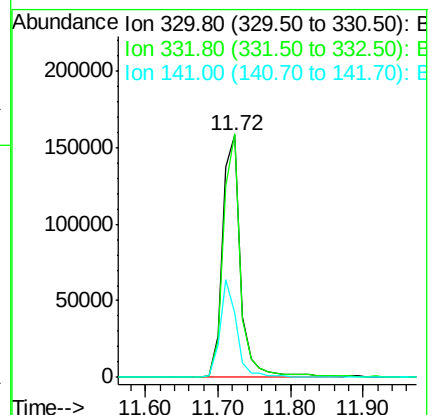
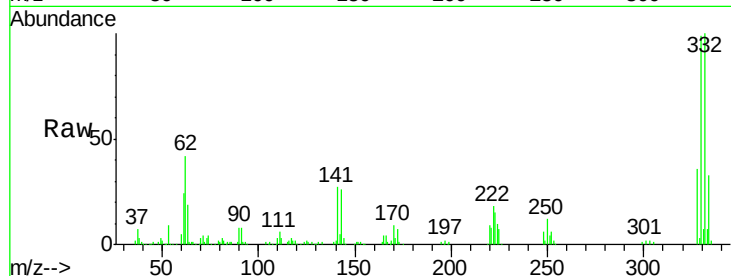




#41  
 2,4,6-Tribromophenol  
 Concen: 118.54 ng  
 RT: 11.72 min Scan# 878  
 Delta R.T. -0.03 min  
 Lab File: BF083552.D  
 Acq: 7 Dec 2015 9:48

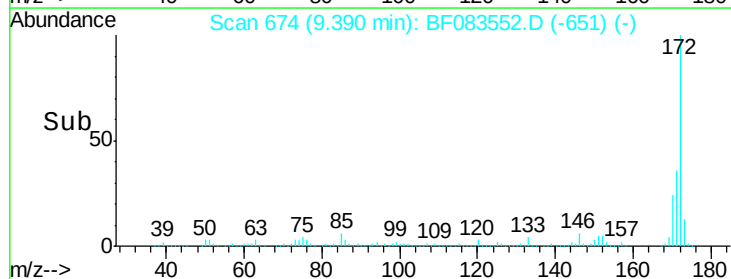
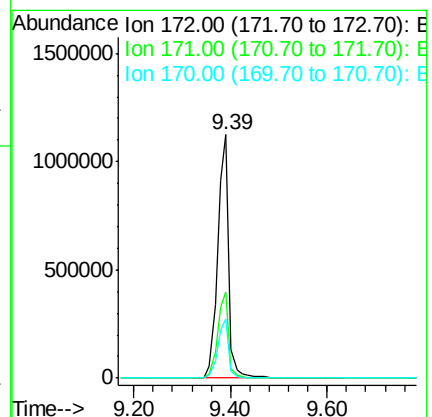
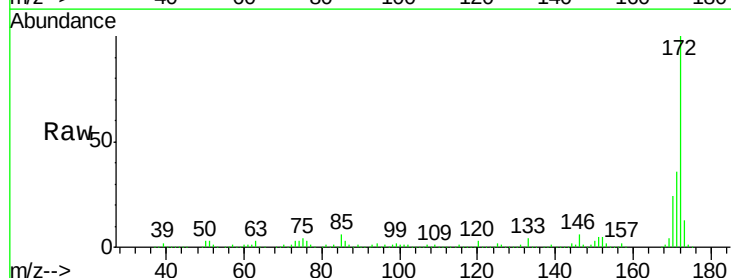
Instrument :  
 BNA\_F  
 ClientSampleId :

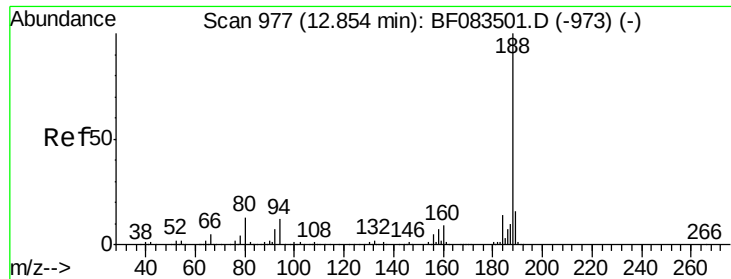
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 0.0   | 0.0#  |
| 141     | 37.8  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 100.16 ng  
 RT: 9.39 min Scan# 674  
 Delta R.T. -0.03 min  
 Lab File: BF083552.D  
 Acq: 7 Dec 2015 9:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.6  | 42.8  |
| 170     | 24.2  | 19.4  | 29.0  |

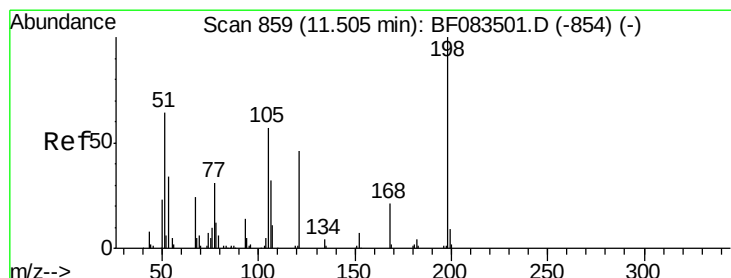
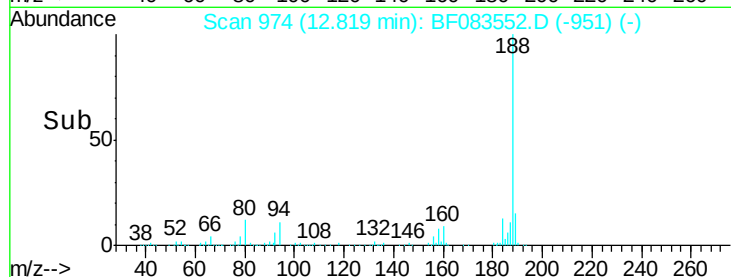
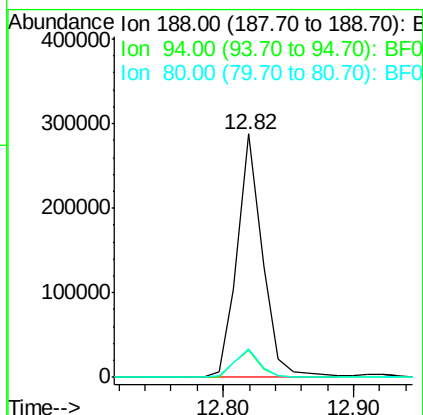
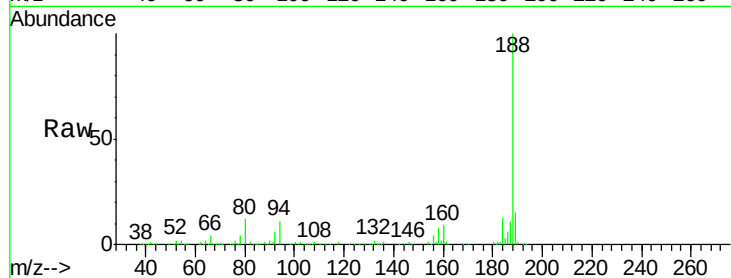




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.82 min Scan# 974  
Delta R.T. -0.03 min  
Lab File: BF083552.D  
Acq: 7 Dec 2015 9:48

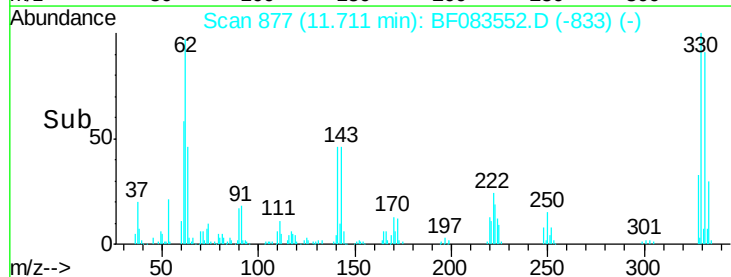
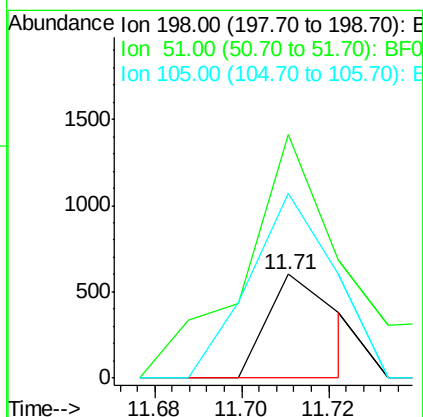
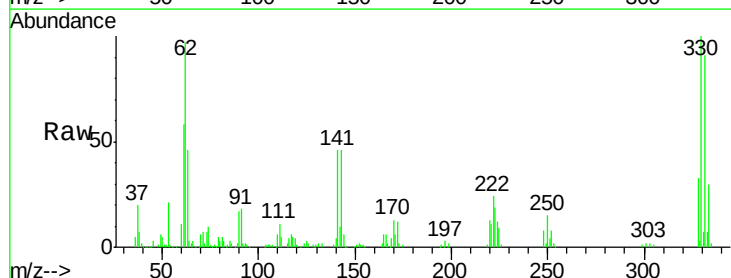
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 388973  
Ion Ratio Lower Upper  
188 100  
94 11.2 9.4 14.2  
80 11.8 10.6 16.0

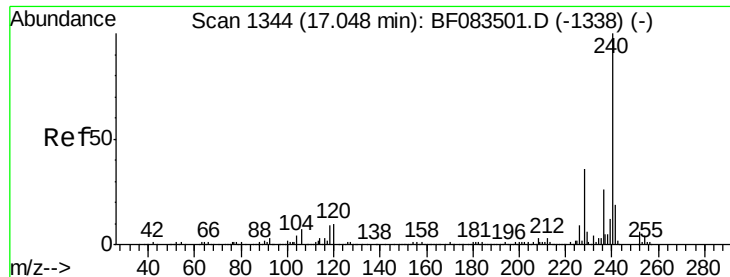


#64  
4,6-Dinitro-2-methylphenol  
Concen: 3.72 ng  
RT: 11.71 min Scan# 877  
Delta R.T. 0.21 min  
Lab File: BF083552.D  
Acq: 7 Dec 2015 9:48

Tgt Ion:198 Resp: 675  
Ion Ratio Lower Upper  
198 100  
51 234.4 53.8 93.8#  
105 177.9 38.6 78.6#







#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.03 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

Instrument :

BNA\_F

ClientSampleId :

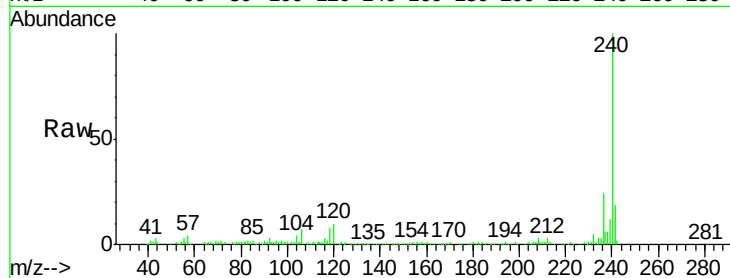
Tot Ion:240 Resp: 321814

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

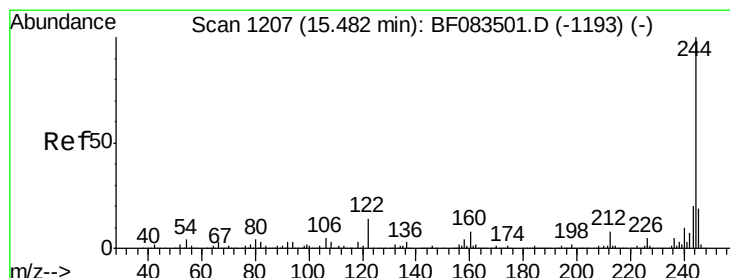
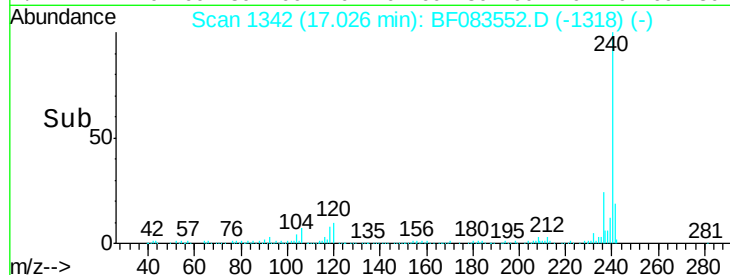
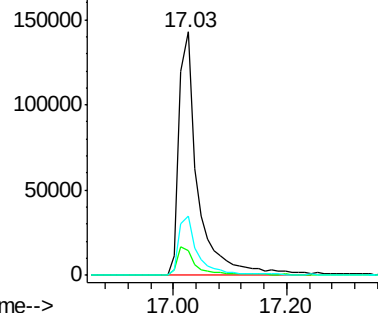
236 24.4 20.8 31.2



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: 93.35 ng

RT: 15.46 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF083552.D

Acq: 7 Dec 2015 9:48

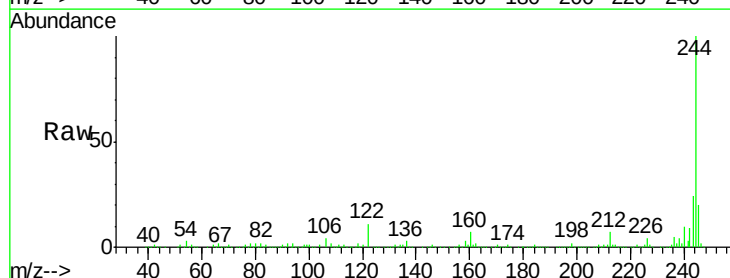
Tgt Ion:244 Resp: 1350098

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

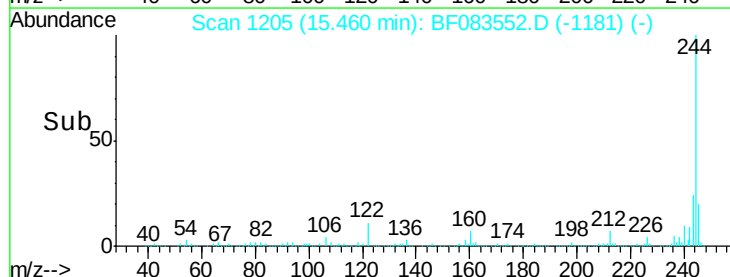
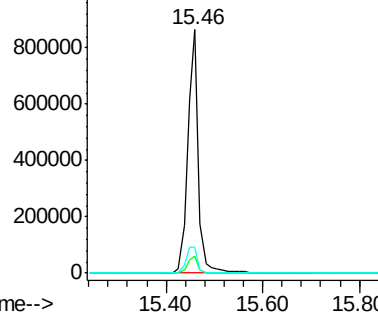
122 10.6 11.0 16.6#

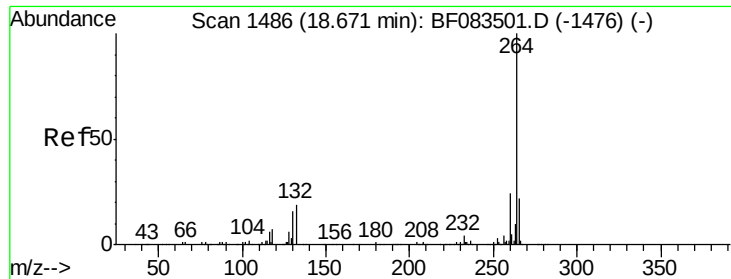


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.66 min Scan# 1485  
Delta R.T. -0.01 min  
Lab File: BF083552.D  
Acq: 7 Dec 2015 9:48

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.4  | 29.0  |
| 265     | 21.9  | 17.8  | 26.6  |

