

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\  
 Data File : BF088814.D  
 Acq On : 8 Jul 2016 8:50  
 Operator : UM/SJ  
 Sample : H3897-18  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 08 12:04:34 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 05 17:15:08 2016  
 Response via : Initial Calibration

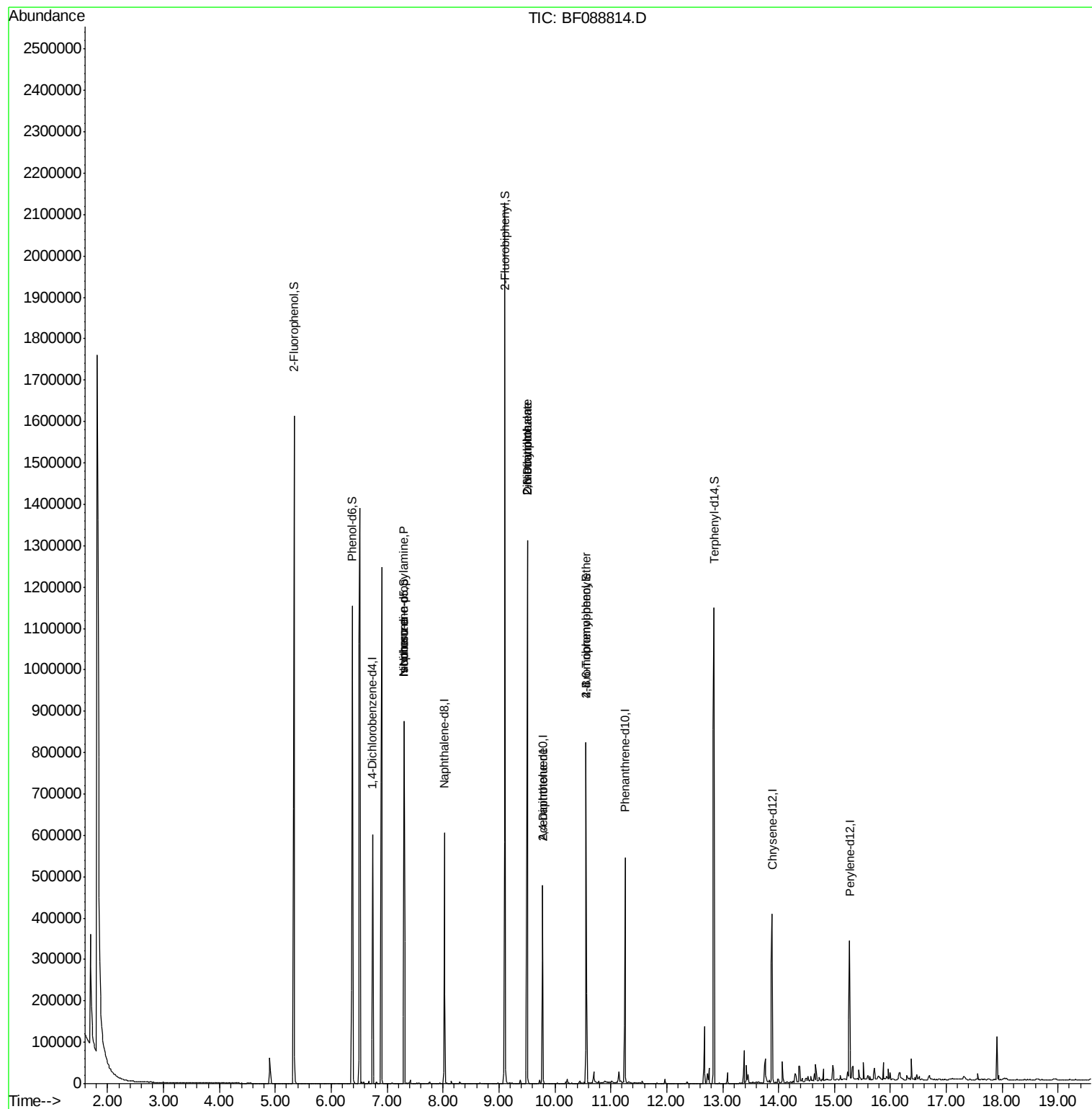
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 83639    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.02  | 136  | 290636   | 20.00 | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.78  | 164  | 114898   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.26 | 188  | 191719   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12               | 13.89 | 240  | 179564   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12               | 15.27 | 264  | 138103   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 457345   | 81.95 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.38  | 99   | 622243   | 86.29 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 341088   | 61.50 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 90759    | 85.06 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.11  | 172  | 630106   | 86.62 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.85 | 244  | 470275   | 58.33 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 44295    | 9.14  | ng    | # 73     |
| 25) Isophorone                 | 7.30  | 82   | 300681   | 29.27 | ng    | # 65     |
| 47) 2-Nitroaniline             | 9.51  | 65   | 5609     | 2.12  | ng    | # 1      |
| 49) Dimethylphthalate          | 9.51  | 163  | 606987   | 74.15 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.51  | 165  | 6541     | 3.61  | ng    | # 3      |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 14003    | 5.90  | ng    | # 36     |
| 66) 4-Bromophenyl-phenylether  | 10.56 | 248  | 6158     | 3.19  | ng    | # 1      |

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

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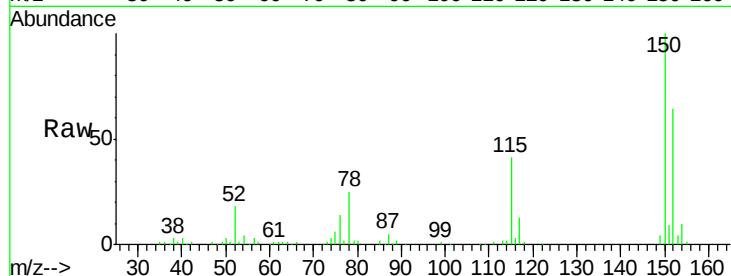


#1

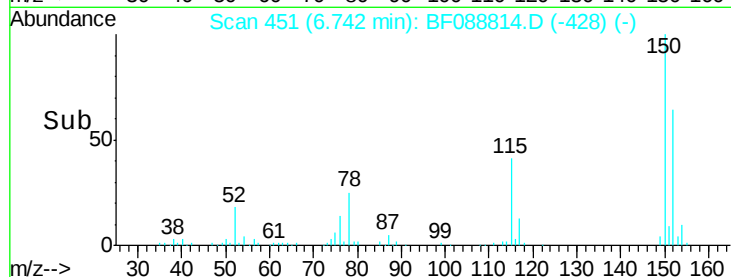
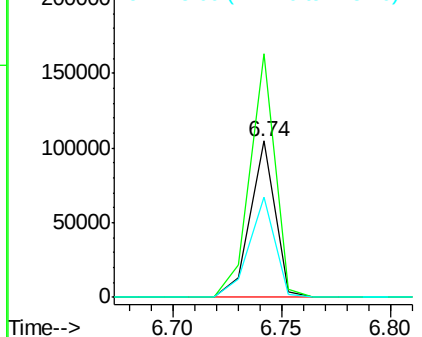
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.74 min Scan# 451  
Delta R.T. -0.03 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 83639  
Ion Ratio Lower Upper  
152 100  
150 155.7 123.8 185.6  
115 64.0 39.6 59.4#



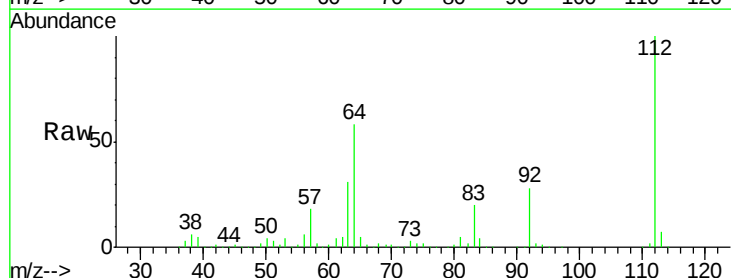
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



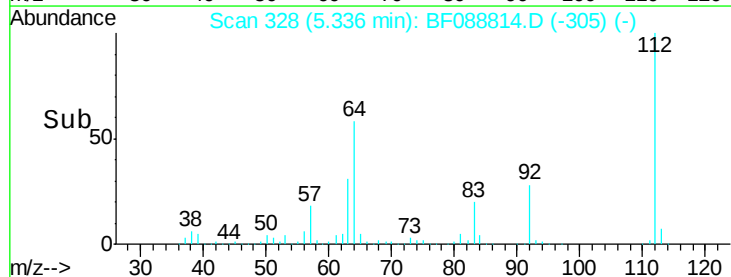
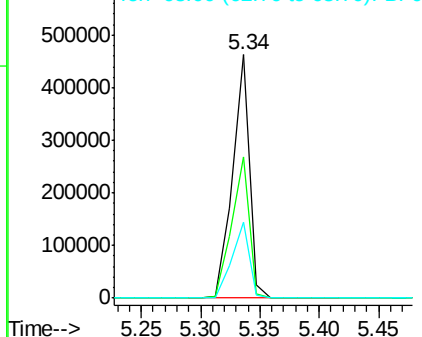
#5

2-Fluorophenol  
Concen: 81.95 ng  
RT: 5.34 min Scan# 328  
Delta R.T. -0.03 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Tgt Ion:112 Resp: 457345  
Ion Ratio Lower Upper  
112 100  
64 57.9 42.2 63.2  
63 31.0 21.8 32.8



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: 86.29 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.03 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

Instrument :

BNA\_F

ClientSampled :

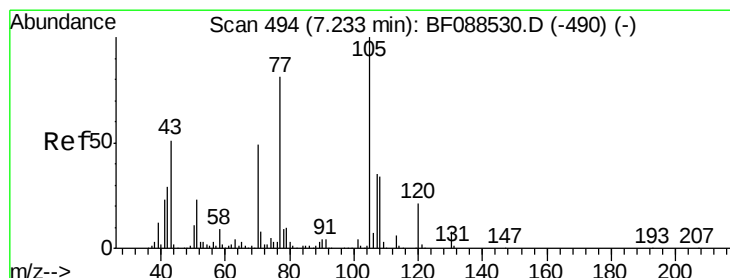
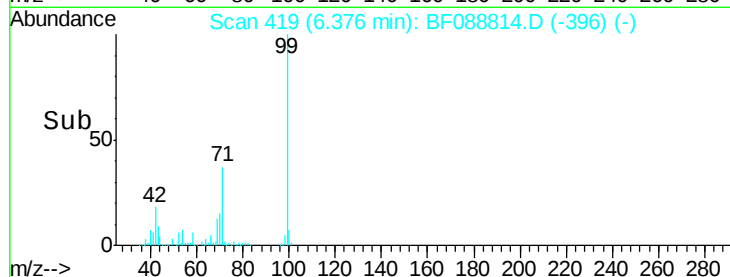
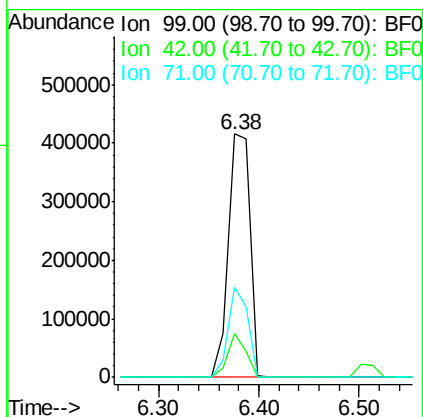
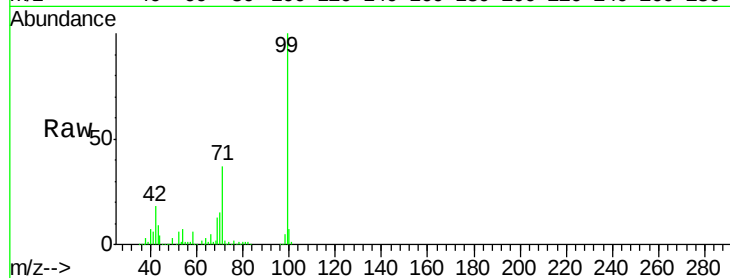
Tot Ion: 99 Resp: 622243

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

71 37.1 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.14 ng

RT: 7.30 min Scan# 500

Delta R.T. 0.10 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

Tgt Ion: 70 Resp: 44295

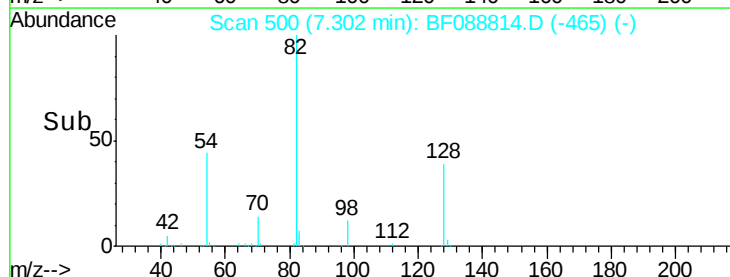
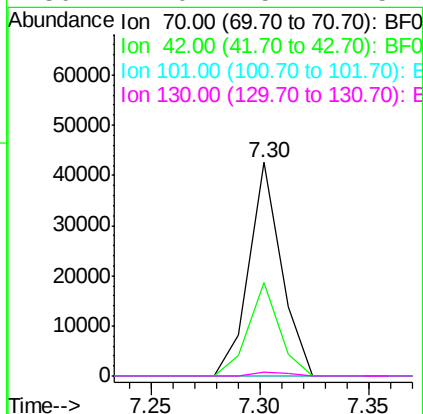
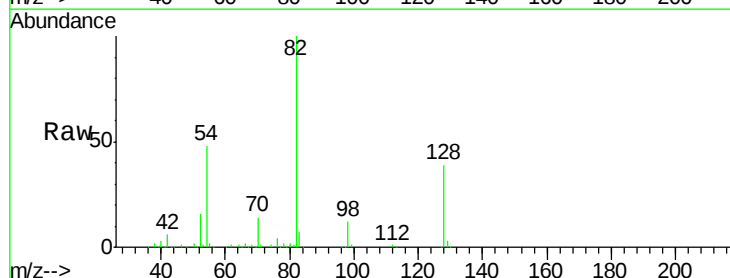
Ion Ratio Lower Upper

70 100

42 43.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.05 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 290636

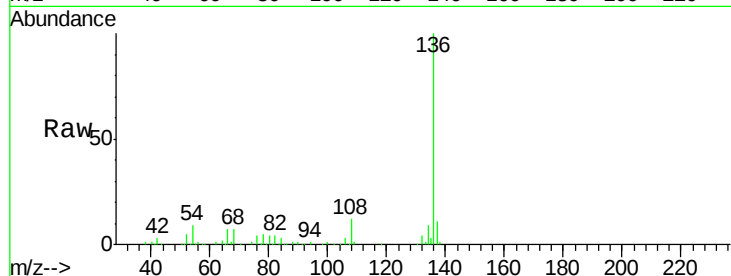
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.9 6.6 10.0

68 7.3 5.1 7.7

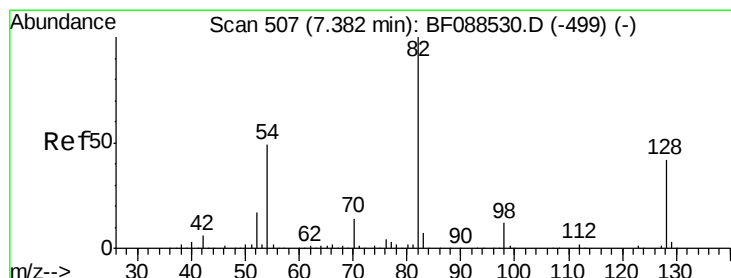
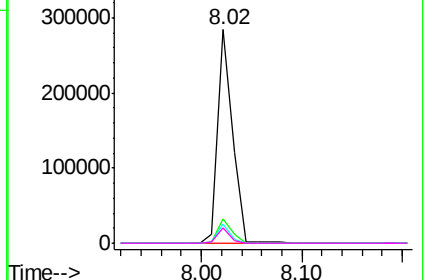
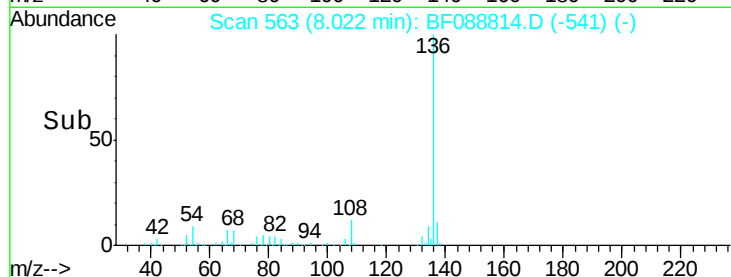


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.50 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.05 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

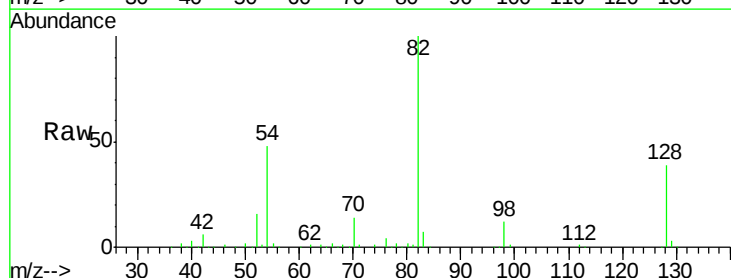
Tgt Ion: 82 Resp: 341088

Ion Ratio Lower Upper

82 100

128 39.4 35.9 53.9

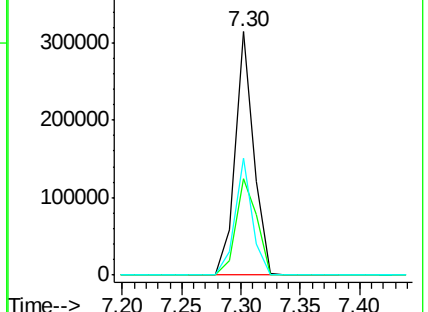
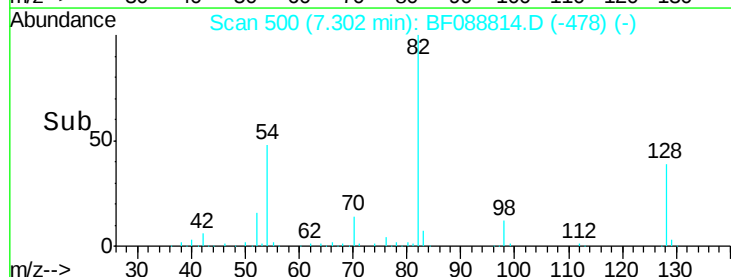
54 48.0 40.9 61.3

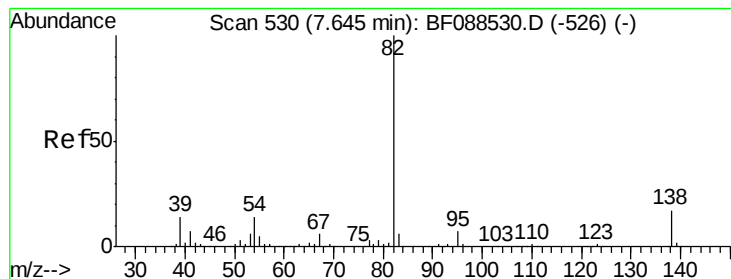


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.27 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.31 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

Instrument :

BNA\_F

ClientSampleId :

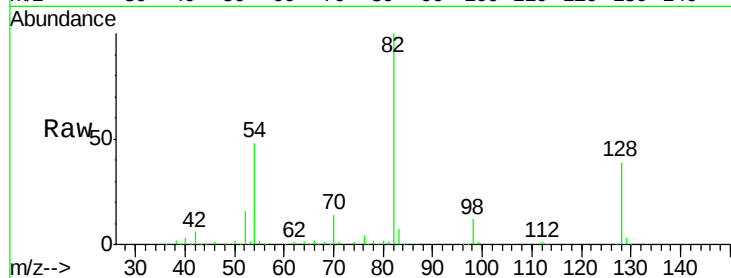
Tot Ion: 82 Resp: 300681

Ion Ratio Lower Upper

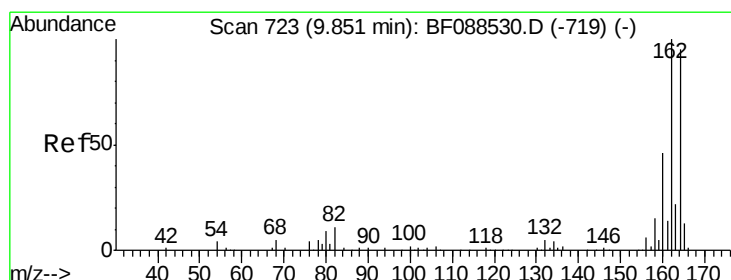
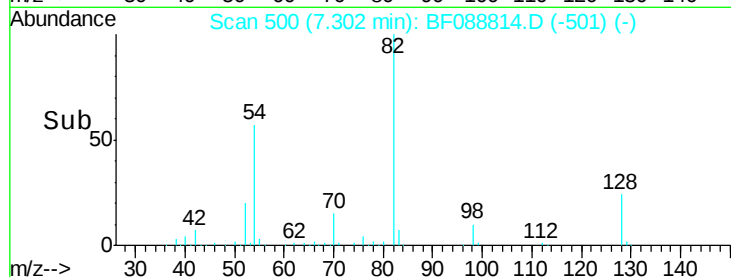
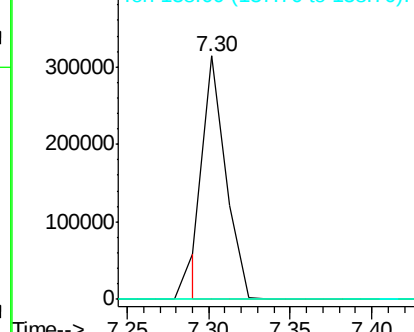
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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: 9.78 min Scan# 717

Delta R.T. -0.03 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

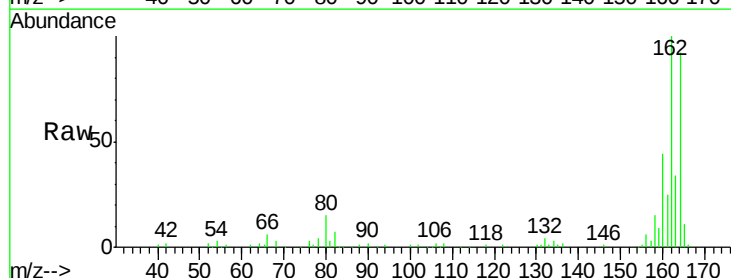
Tgt Ion: 164 Resp: 114898

Ion Ratio Lower Upper

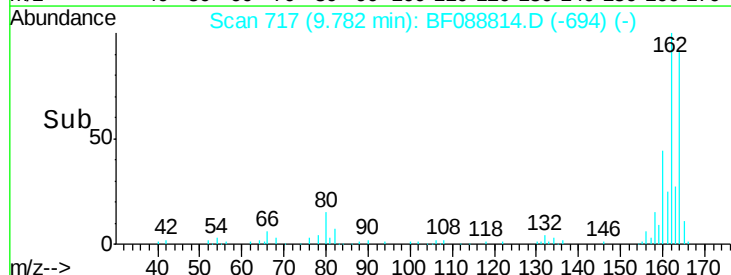
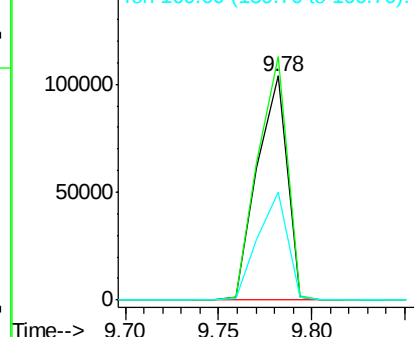
164 100

162 108.7 85.4 128.2

160 48.3 39.5 59.3



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

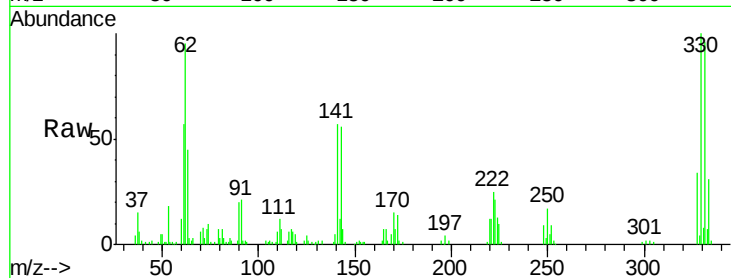




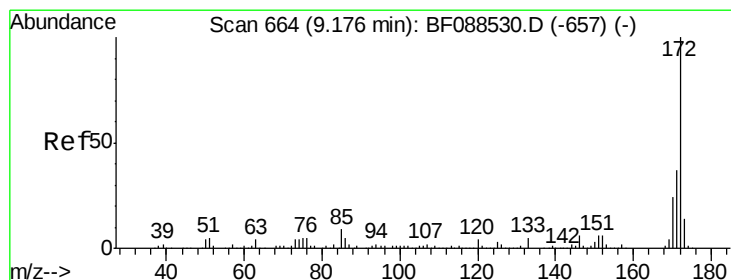
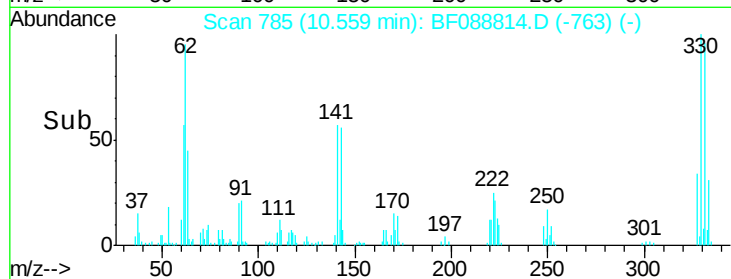
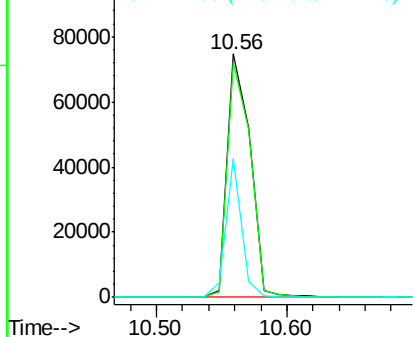
#41  
 2,4,6-Tribromophenol  
 Concen: 85.06 ng  
 RT: 10.56 min Scan# 785  
 Delta R.T. -0.05 min  
 Lab File: BF088814.D  
 Acq: 8 Jul 2016 8:50

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 0.0   | 0.0#  |
| 141     | 39.5  | 0.0   | 0.0#  |

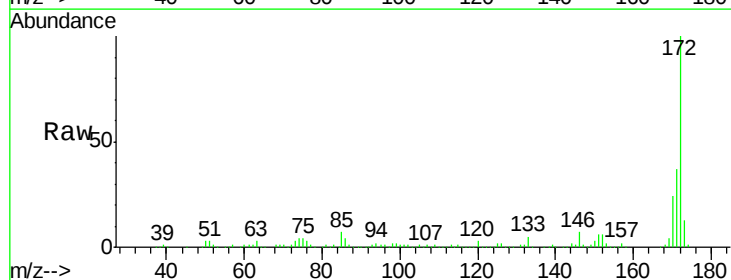


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

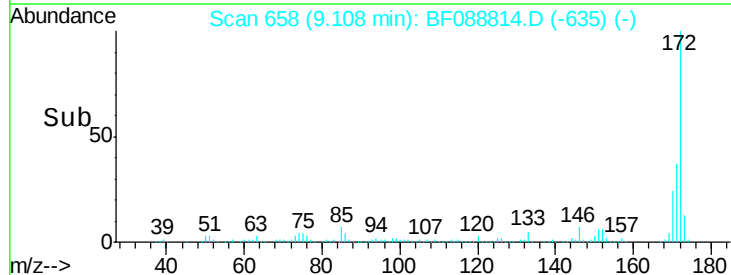
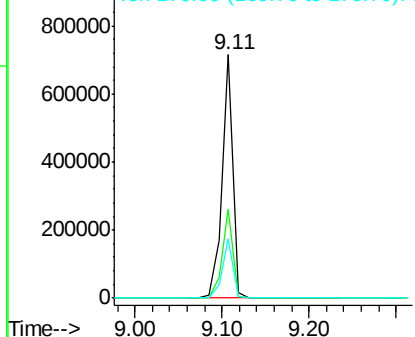


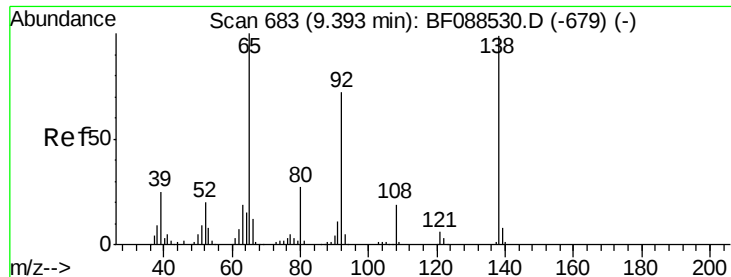
#44  
 2-Fluorobiphenyl  
 Concen: 86.62 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. -0.03 min  
 Lab File: BF088814.D  
 Acq: 8 Jul 2016 8:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 28.6  | 43.0  |
| 170     | 24.4  | 19.2  | 28.8  |



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

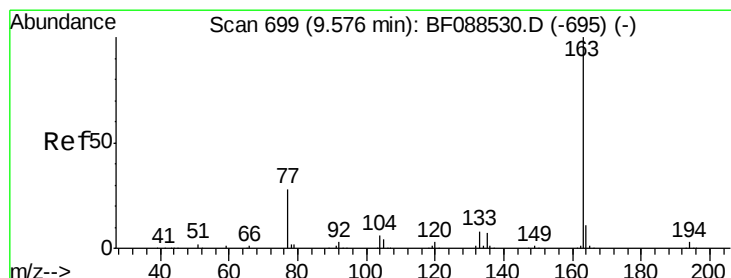
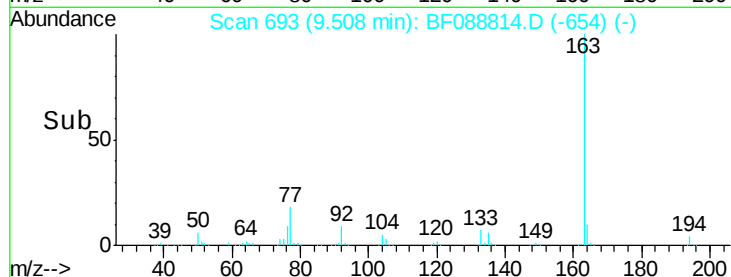
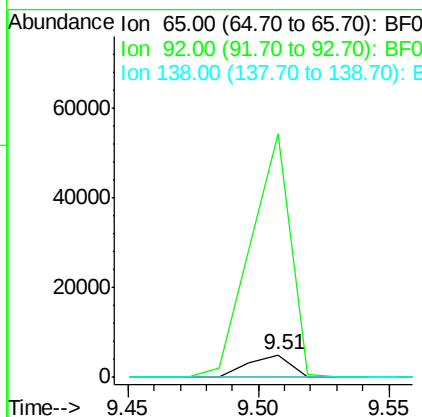
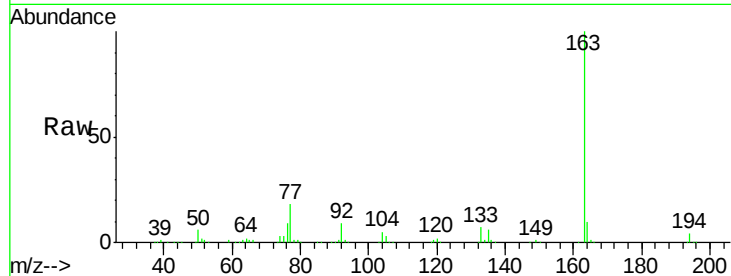




#47  
2-Nitroaniline  
Concen: 2.12 ng  
RT: 9.51 min Scan# 693  
Delta R.T. 0.15 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

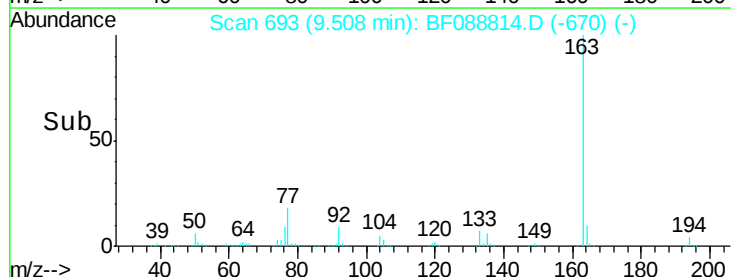
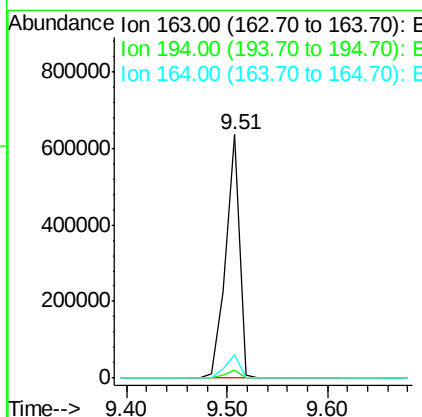
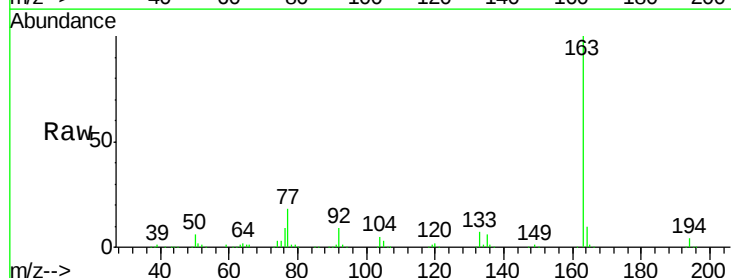
Instrument :  
BNA\_F  
ClientSampleId :

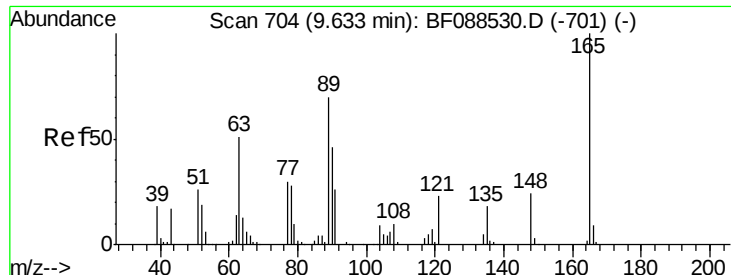
Tot Ion: 65 Resp: 5609  
Ion Ratio Lower Upper  
65 100  
92 1089.3 54.6 82.0#  
138 0.0 77.0 115.4#



#49  
Dimethylphthalate  
Concen: 74.15 ng  
RT: 9.51 min Scan# 693  
Delta R.T. -0.03 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Tgt Ion:163 Resp: 606987  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.8 4.2  
164 9.9 8.3 12.5

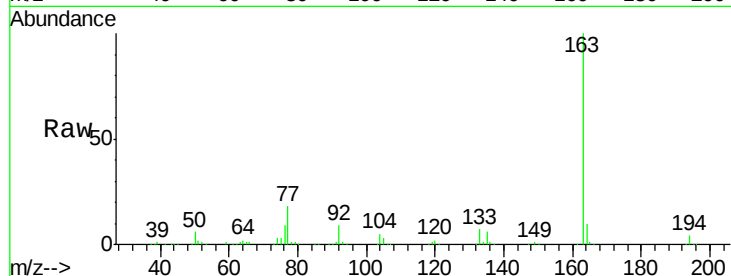




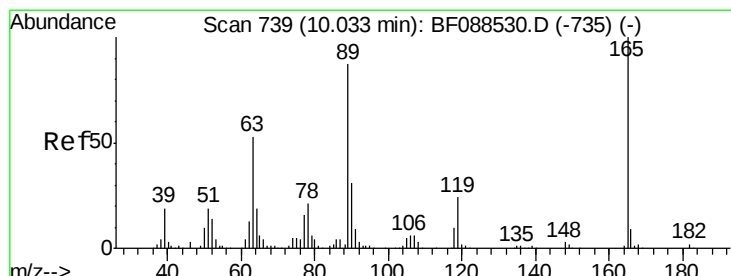
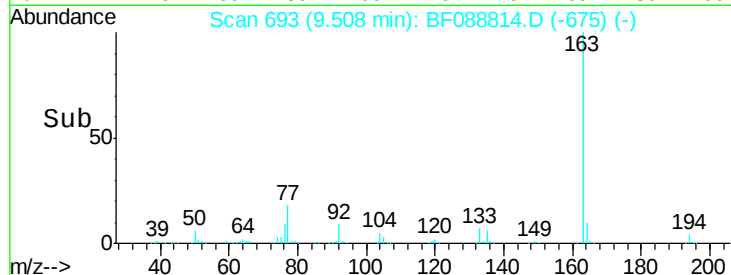
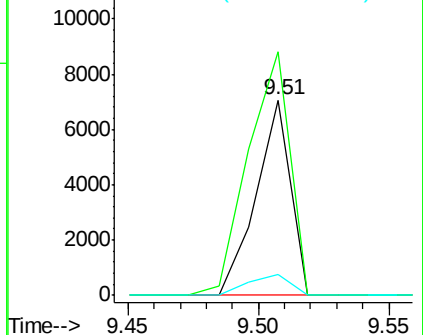
#50  
2,6-Dinitrotoluene  
Concen: 3.61 ng  
RT: 9.51 min Scan# 693  
Delta R.T. -0.09 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:165 Resp: 6541  
Ion Ratio Lower Upper  
165 100  
63 124.8 28.1 42.1#  
89 11.0 32.2 48.2#

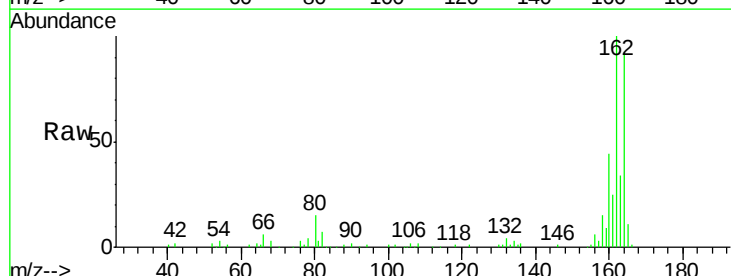


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

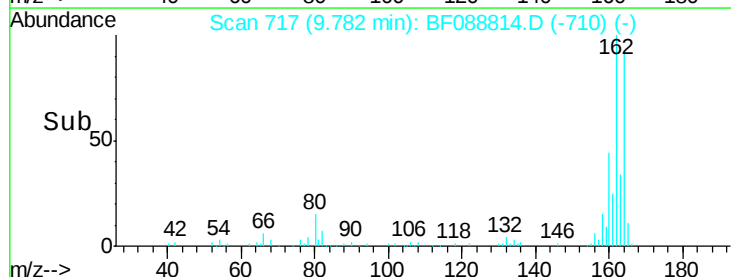
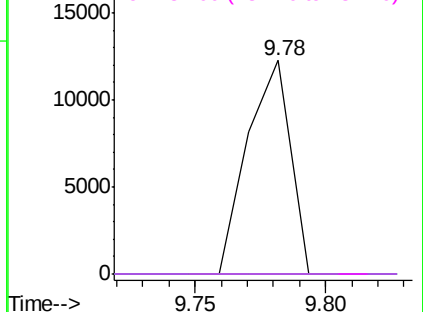


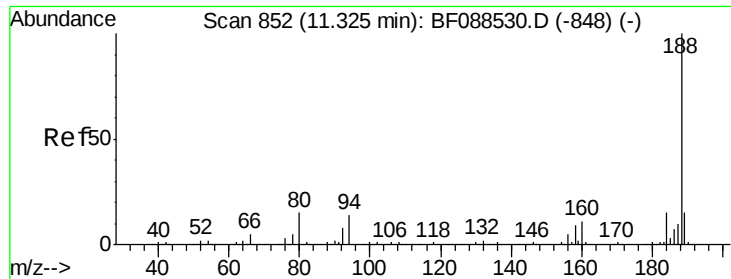
#56  
2,4-Dinitrotoluene  
Concen: 5.90 ng  
RT: 9.78 min Scan# 717  
Delta R.T. -0.22 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Tgt Ion:165 Resp: 14003  
Ion Ratio Lower Upper  
165 100  
63 0.0 22.0 33.0#  
89 0.0 41.1 61.7#  
182 0.0 2.0 3.0#



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

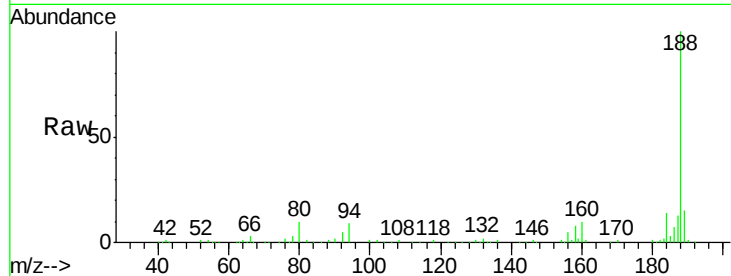




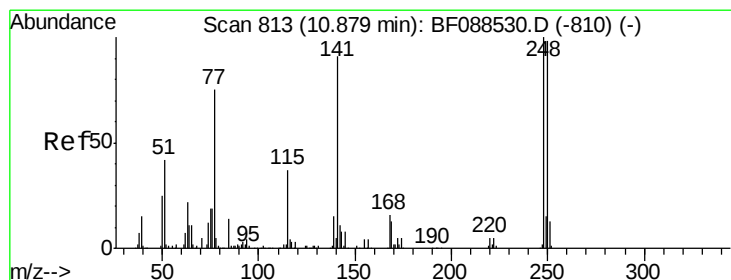
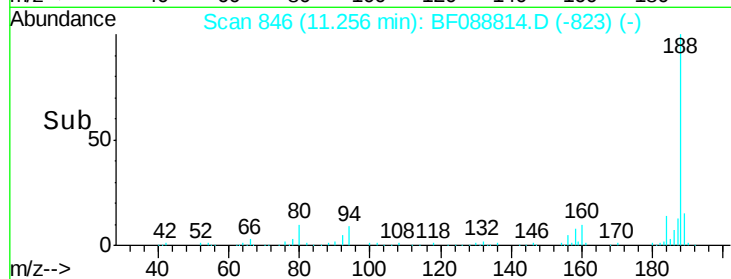
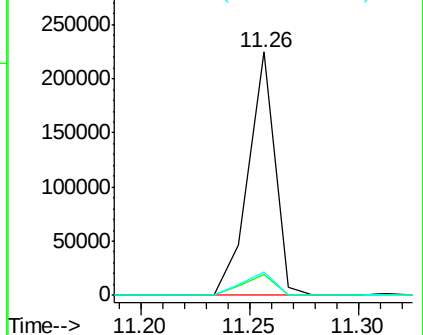
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 846  
Delta R.T. -0.03 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 191719  
Ion Ratio Lower Upper  
188 100  
94 8.6 9.0 13.6#  
80 9.5 10.0 15.0#

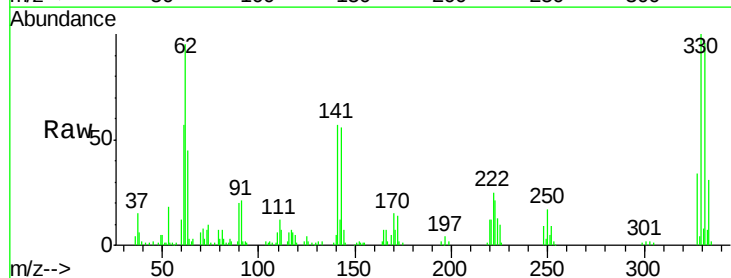


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

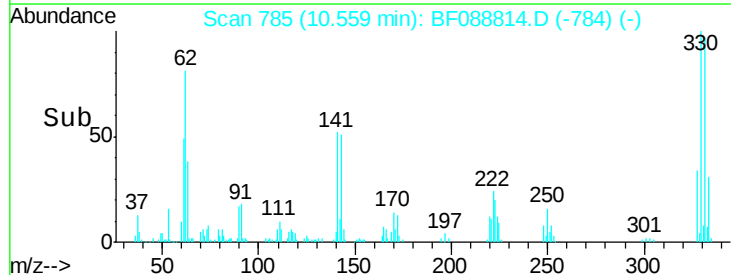
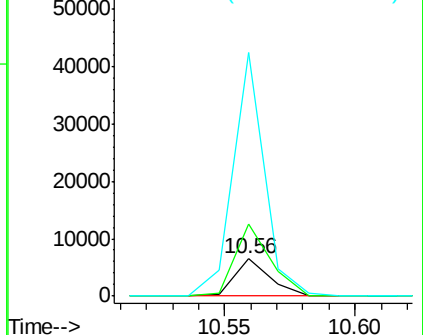


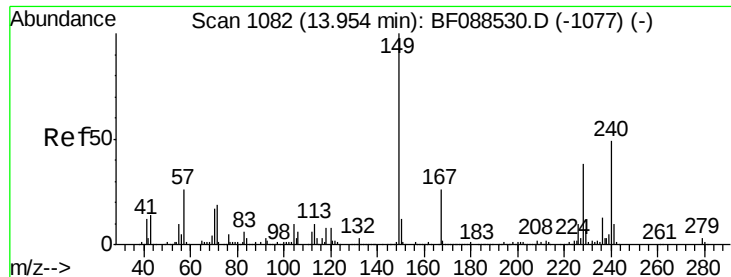
#66  
4-Bromophenyl-phenylether  
Concen: 3.19 ng  
RT: 10.56 min Scan# 785  
Delta R.T. -0.29 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Tgt Ion:248 Resp: 6158  
Ion Ratio Lower Upper  
248 100  
250 191.7 77.1 115.7#  
141 649.6 50.6 76.0#



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: 13.89 min Scan# 1076

Delta R.T. -0.03 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

Instrument :

BNA\_F

ClientSampleId :

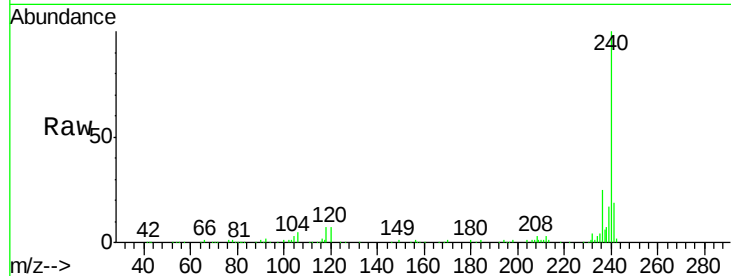
Tot Ion:240 Resp: 179564

Ion Ratio Lower Upper

240 100

120 7.2 6.8 10.2

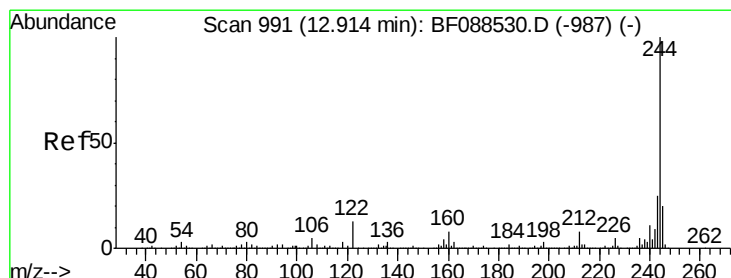
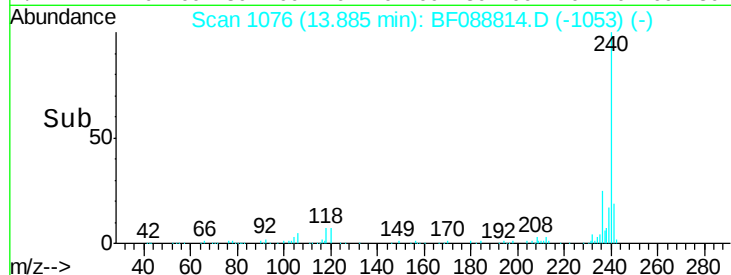
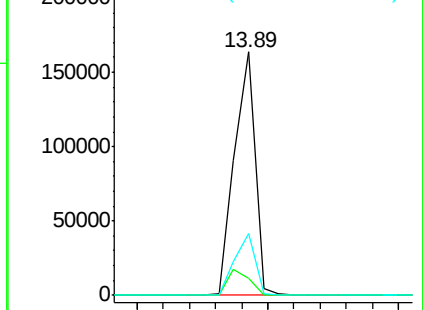
236 25.2 20.2 30.2



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: 58.33 ng

RT: 12.85 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF088814.D

Acq: 8 Jul 2016 8:50

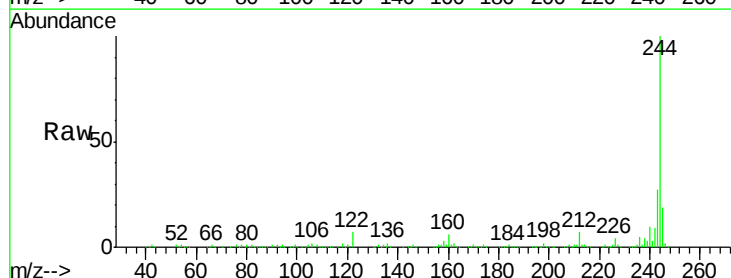
Tgt Ion:244 Resp: 470275

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

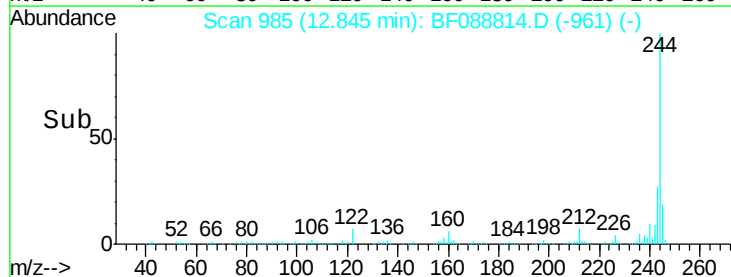
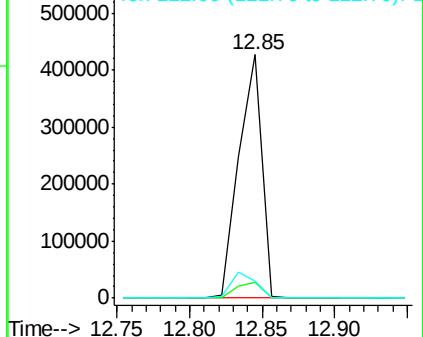
122 7.2 11.2 16.8#

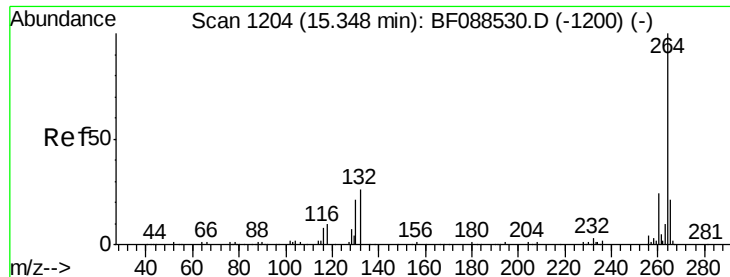


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

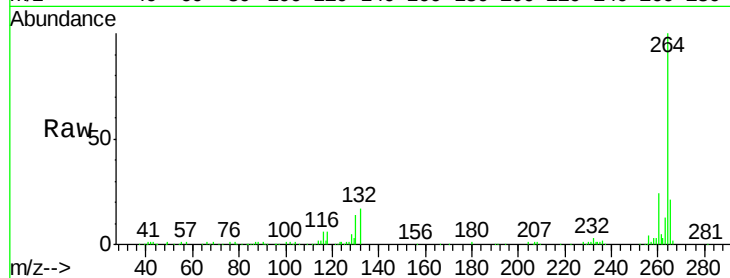




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.27 min Scan# 1197  
Delta R.T. -0.03 min  
Lab File: BF088814.D  
Acq: 8 Jul 2016 8:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.2  | 16.9  | 25.3  |



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

