

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102116\  
 Data File : BF090712.D  
 Acq On : 21 Oct 2016 14:36  
 Operator : UM/SJ  
 Sample : PB94209BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

Quant Time: Oct 21 20:14:55 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 21 17:36:31 2016  
 Response via : Initial Calibration

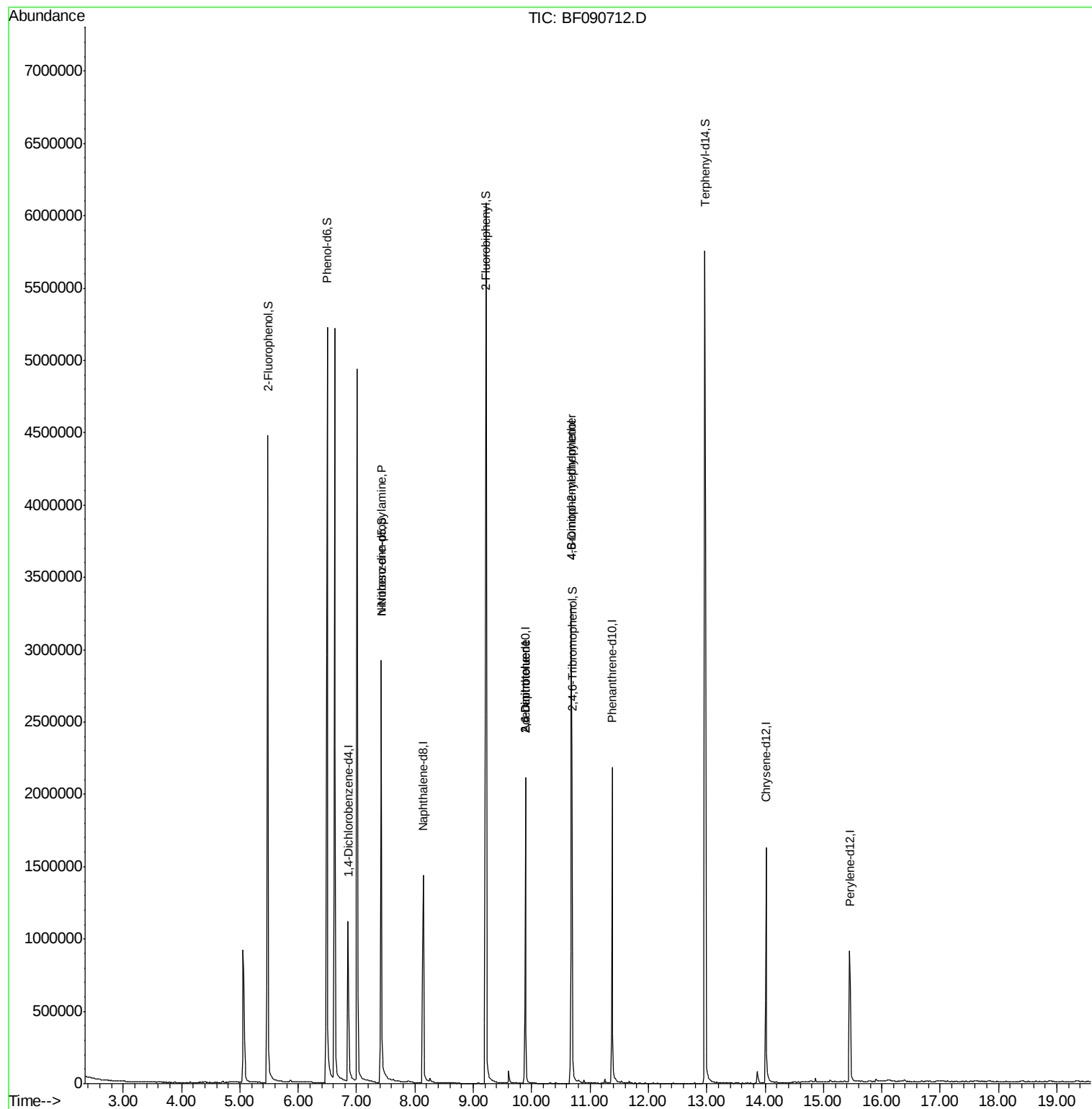
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 218474   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.14  | 136  | 935064   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.89  | 164  | 486950   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.38 | 188  | 826909   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.02 | 240  | 633200   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.45 | 264  | 458241   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 1919450  | 141.69 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.50  | 99   | 2402896  | 130.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 1580224  | 92.69  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 641646   | 166.48 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 2444798  | 77.94  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.97 | 244  | 2610606  | 94.49  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 208004   | 15.22  | ng    | # 51     |
| 50) 2,6-Dinitrotoluene         | 9.89  | 165  | 63141    | 9.60   | ng    | # 38     |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 63421    | 7.89   | ng    | # 33     |
| 64) 4,6-Dinitro-2-methylphenol | 10.68 | 198  | 1202     | 4.39   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 40831    | 5.09   | ng    | # 1      |

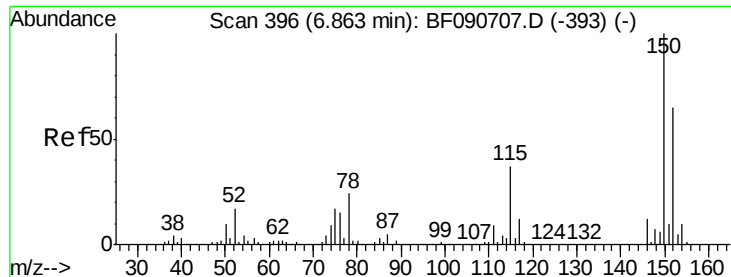
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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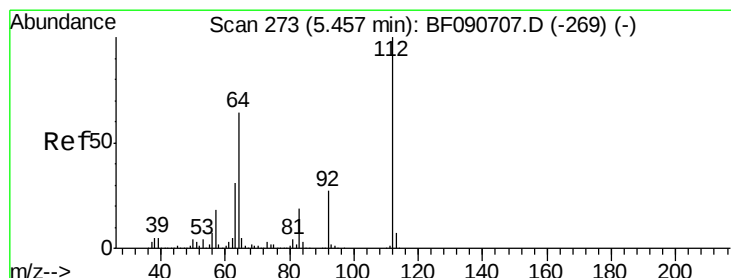
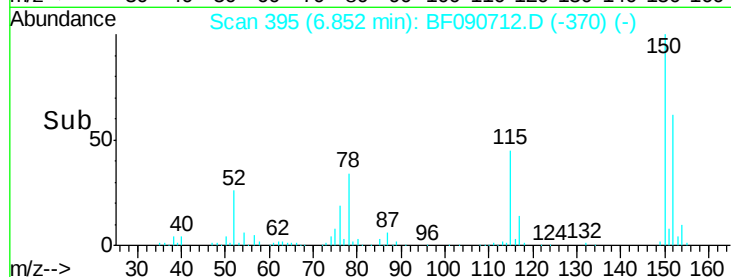
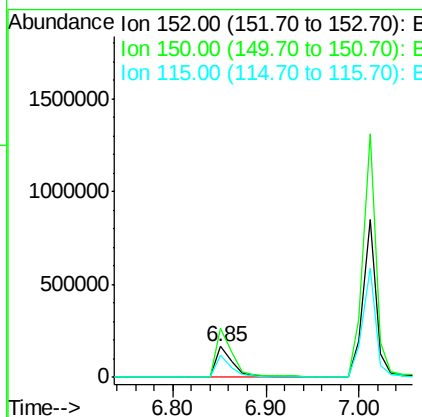
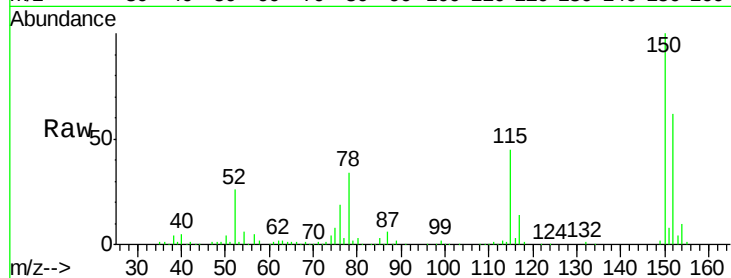


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.85 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BF090712.D  
Acq: 21 Oct 2016 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB94209BL

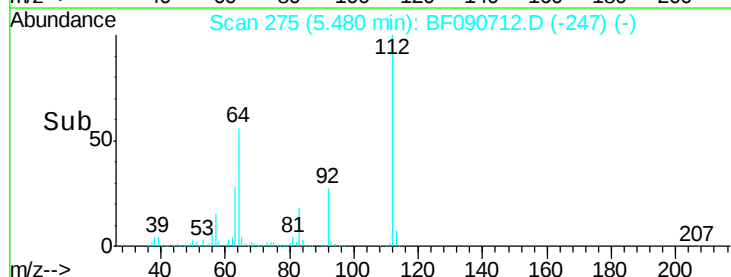
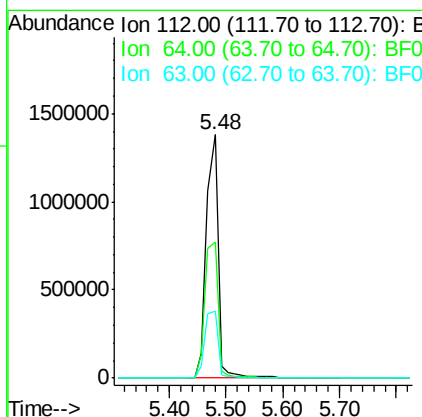
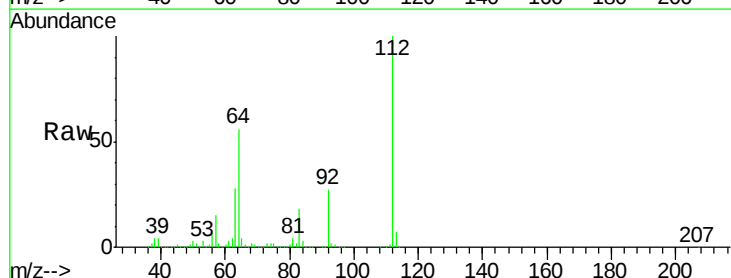
Tot Ion:152 Resp: 218474  
Ion Ratio Lower Upper  
152 100  
150 160.2 124.7 187.1  
115 72.0 39.0 58.4#

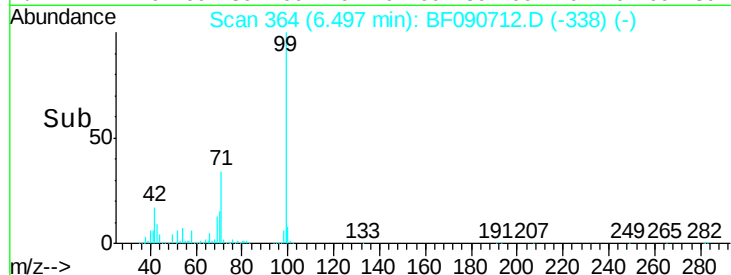
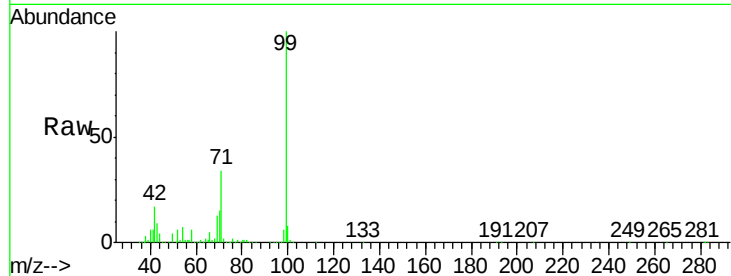
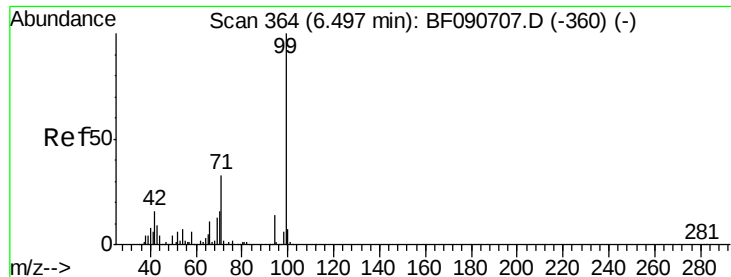


#5

2-Fluorophenol  
Concen: 141.69 ng  
RT: 5.48 min Scan# 275  
Delta R.T. 0.02 min  
Lab File: BF090712.D  
Acq: 21 Oct 2016 14:36

Tgt Ion:112 Resp: 1919450  
Ion Ratio Lower Upper  
112 100  
64 55.8 39.7 59.5  
63 27.5 17.4 26.0#





#7

Phenol-d6

Concen: 130.96 ng

RT: 6.50 min Scan# 364

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Instrument :

BNA\_F

ClientSampleId :

PB94209BL

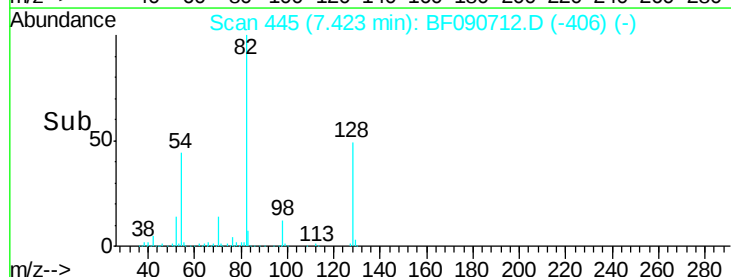
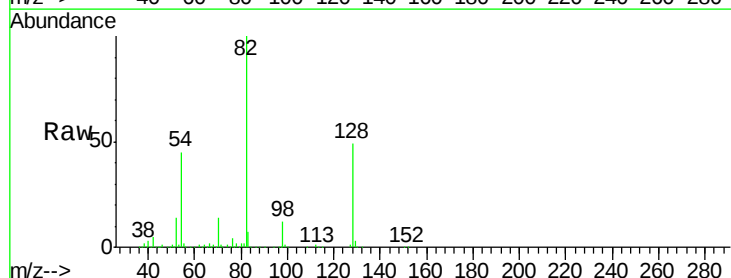
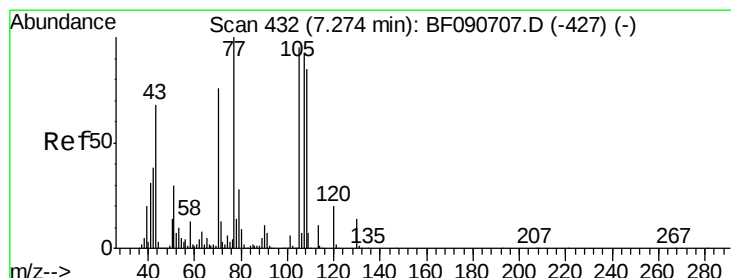
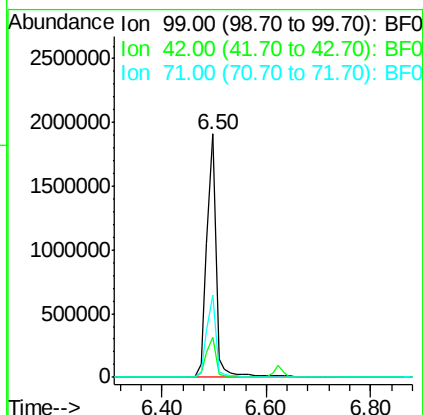
Tot Ion: 99 Resp: 2402896

Ion Ratio Lower Upper

99 100

42 16.6 13.7 20.5

71 33.7 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 15.22 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.15 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Tgt Ion: 70 Resp: 208004

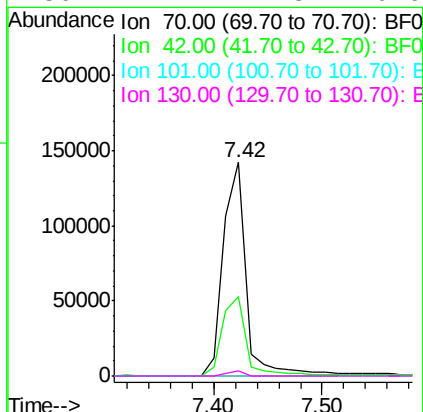
Ion Ratio Lower Upper

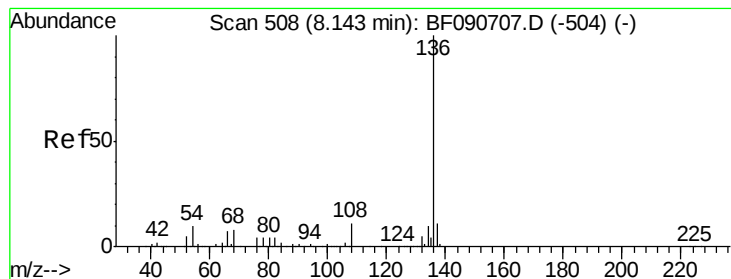
70 100

42 36.9 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Instrument :

BNA\_F

ClientSampled :

PB94209BL

Tot Ion:136 Resp: 935064

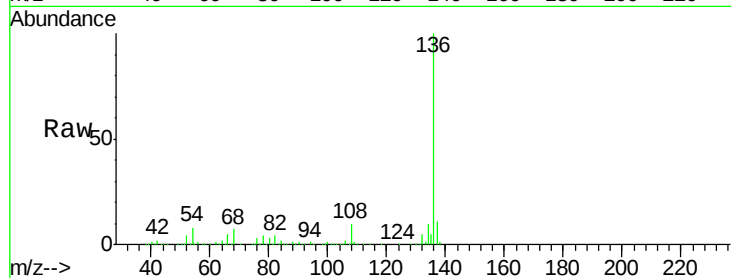
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 7.5 8.2 12.2#

68 6.6 5.8 8.6

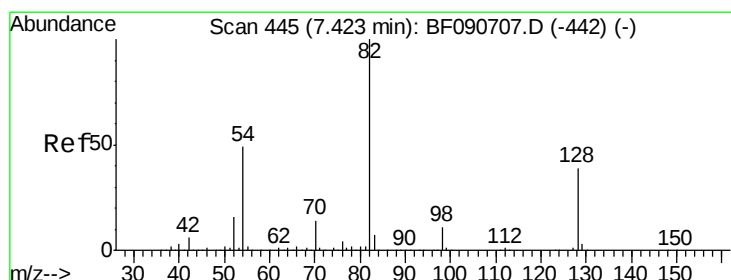
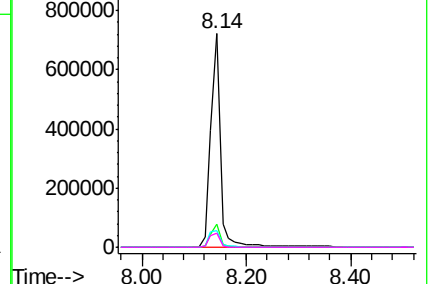
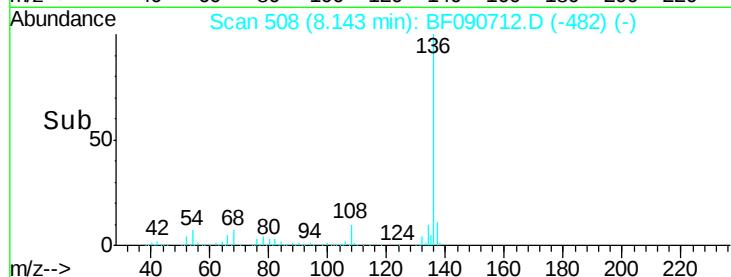


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.69 ng

RT: 7.42 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

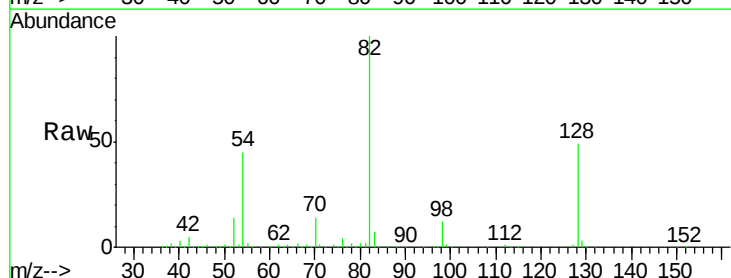
Tgt Ion: 82 Resp: 1580224

Ion Ratio Lower Upper

82 100

128 48.7 51.0 76.6#

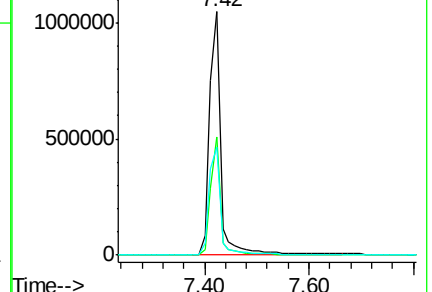
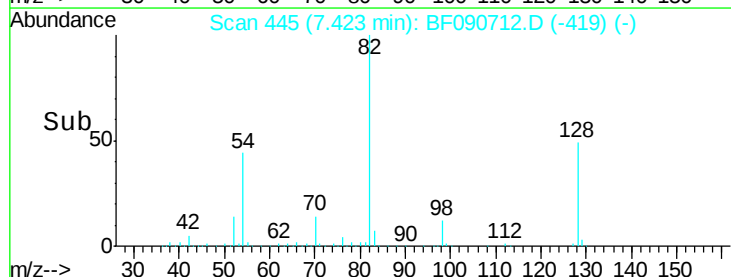
54 44.5 47.5 71.3#

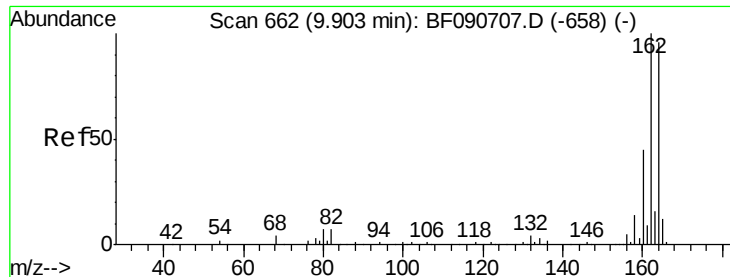


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.89 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Instrument :

BNA\_F

ClientSampleId :

PB94209BL

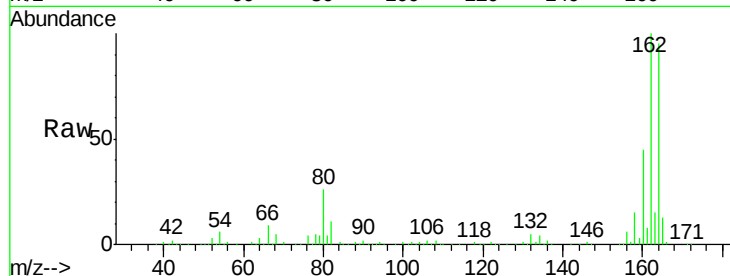
Tot Ion:164 Resp: 486950

Ion Ratio Lower Upper

164 100

162 105.7 75.2 112.8

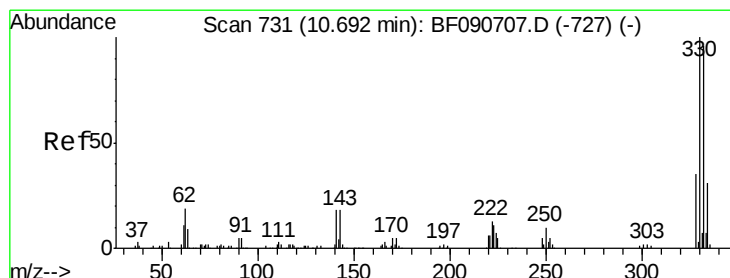
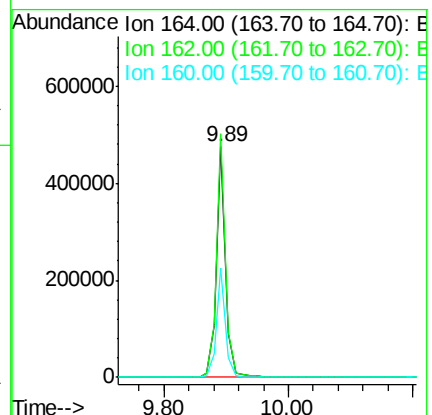
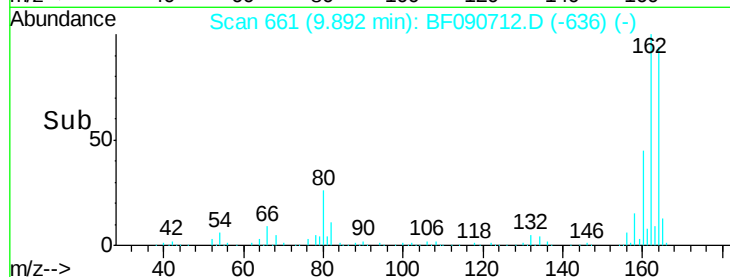
160 47.6 31.5 47.3#



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: 166.48 ng

RT: 10.69 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

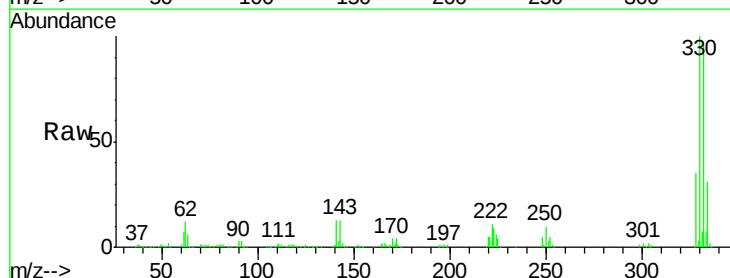
Tgt Ion:330 Resp: 641646

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

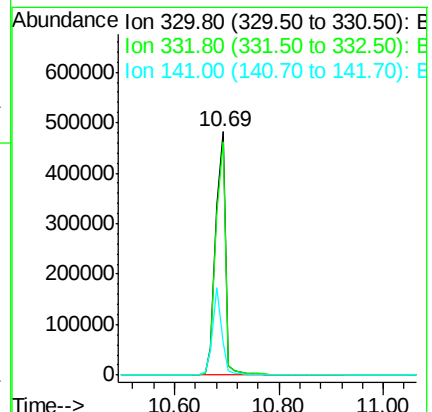
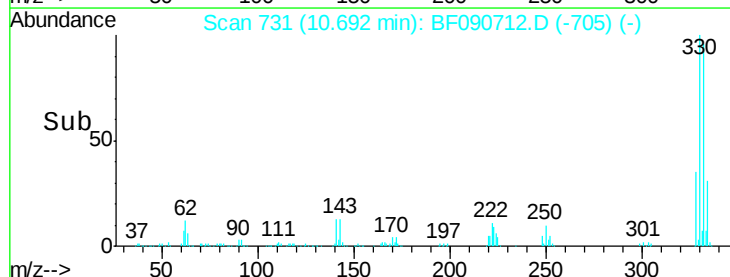
141 33.8 29.7 44.5

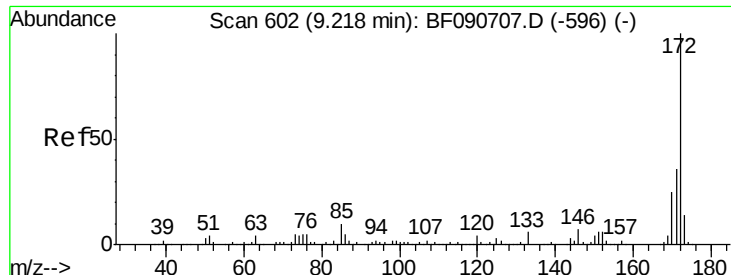


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

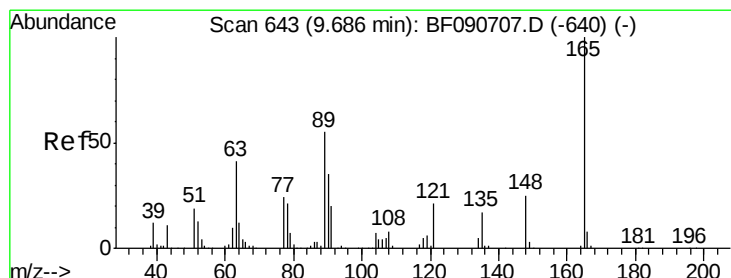
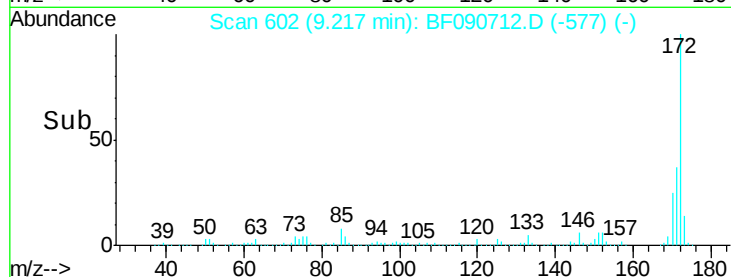
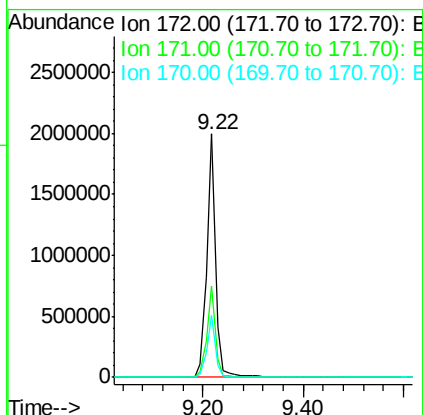
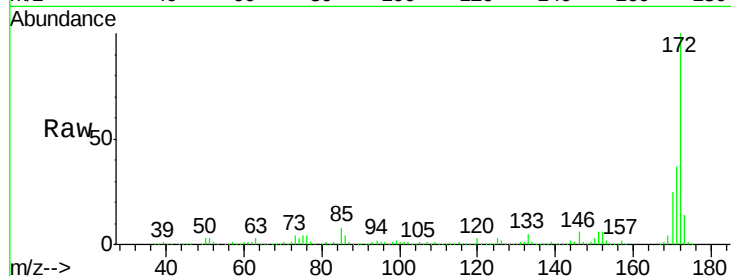




#44  
 2-Fluorobiphenyl  
 Concen: 77.94 ng  
 RT: 9.22 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: BF090712.D  
 Acq: 21 Oct 2016 14:36

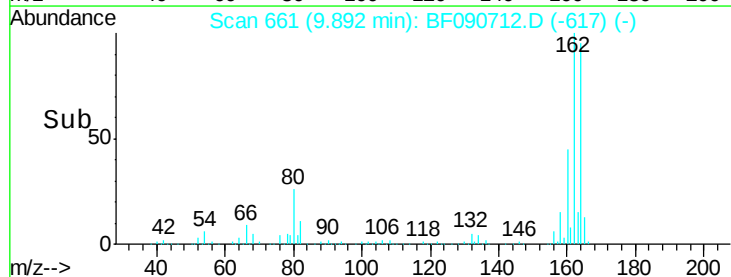
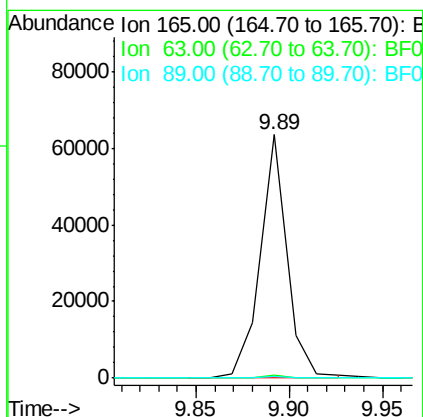
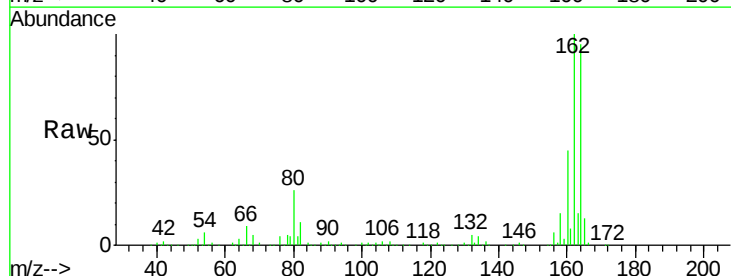
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

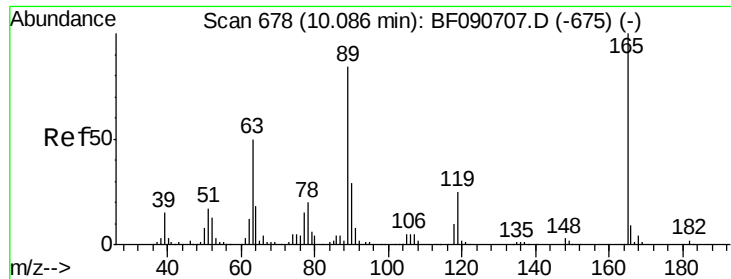
Tot Ion:172 Resp: 2444798  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 26.1 39.1  
 170 25.4 17.4 26.2



#50  
 2,6-Dinitrotoluene  
 Concen: 9.60 ng  
 RT: 9.89 min Scan# 661  
 Delta R.T. 0.21 min  
 Lab File: BF090712.D  
 Acq: 21 Oct 2016 14:36

Tgt Ion:165 Resp: 63141  
 Ion Ratio Lower Upper  
 165 100  
 63 1.0 32.3 48.5#  
 89 0.9 28.6 43.0#

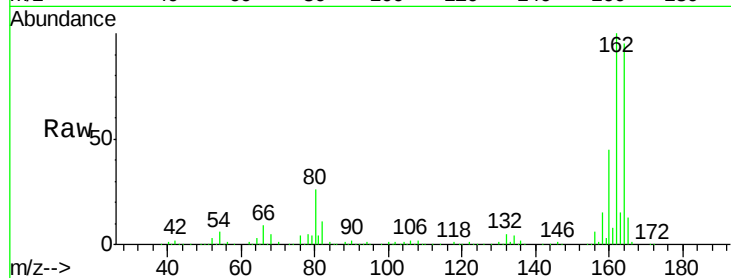




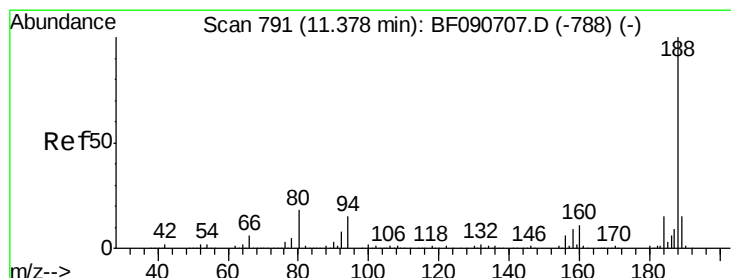
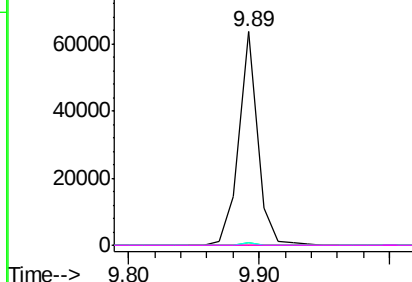
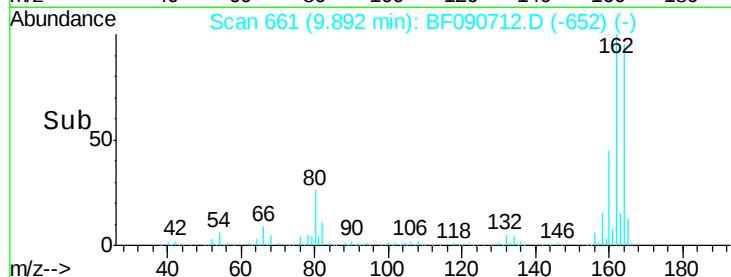
#56  
2,4-Dinitrotoluene  
Concen: 7.89 ng  
RT: 9.89 min Scan# 661  
Delta R.T. -0.19 min  
Lab File: BF090712.D  
Acq: 21 Oct 2016 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB94209BL

Tot Ion:165 Resp: 63421  
Ion Ratio Lower Upper  
165 100  
63 1.0 29.8 44.6#  
89 0.9 44.5 66.7#  
182 0.0 3.0 4.4#

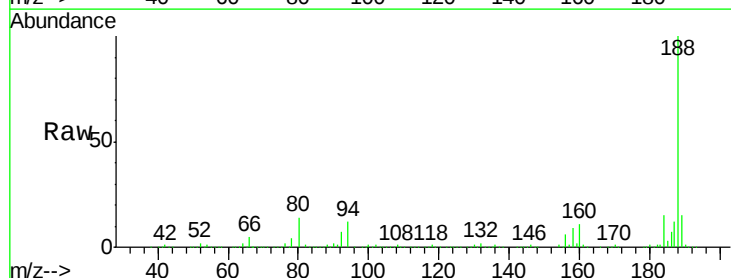


Abundance Ion 165.00 (164.70 to 165.70): E  
100000  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

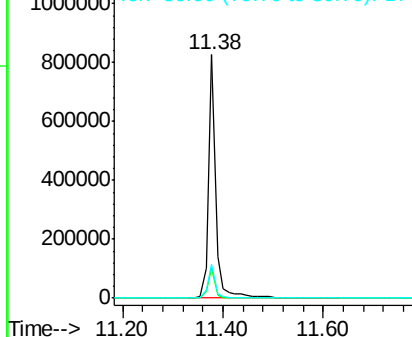
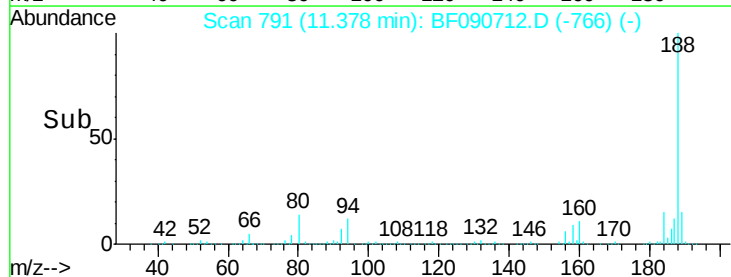


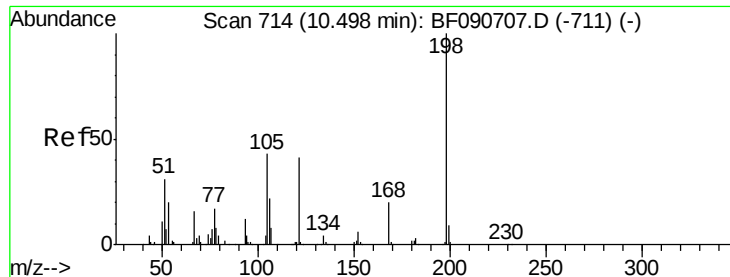
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 791  
Delta R.T. -0.01 min  
Lab File: BF090712.D  
Acq: 21 Oct 2016 14:36

Tgt Ion:188 Resp: 826909  
Ion Ratio Lower Upper  
188 100  
94 12.3 11.1 16.7  
80 13.9 11.0 16.4



Abundance Ion 188.00 (187.70 to 188.70): E  
1000000  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.39 ng

RT: 10.68 min Scan# 730

Delta R.T. 0.18 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Instrument :

BNA\_F

ClientSampleId :

PB94209BL

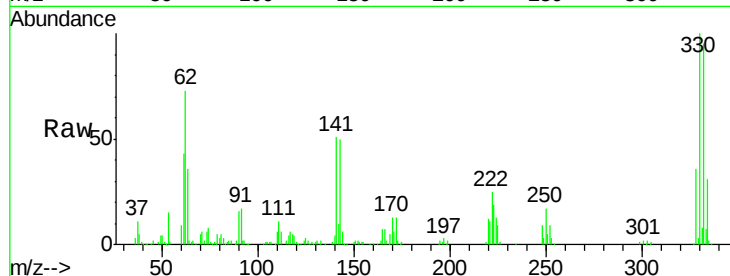
Tot Ion:198 Resp: 1202

Ion Ratio Lower Upper

198 100

51 170.6 39.6 79.6#

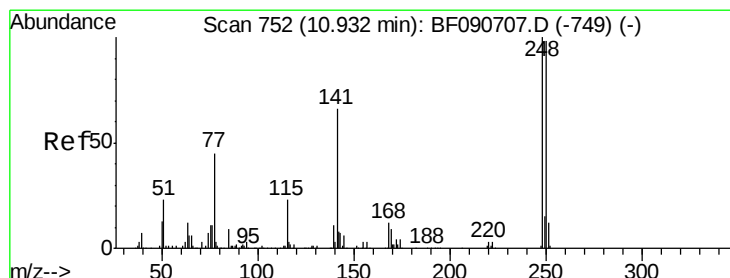
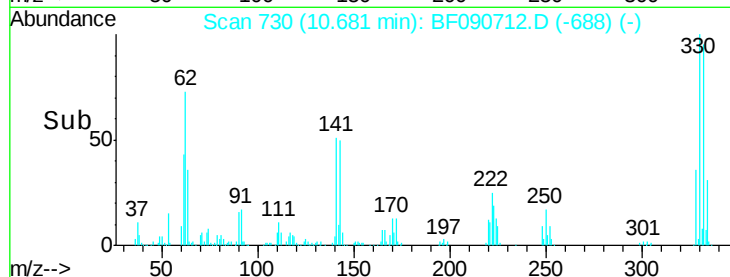
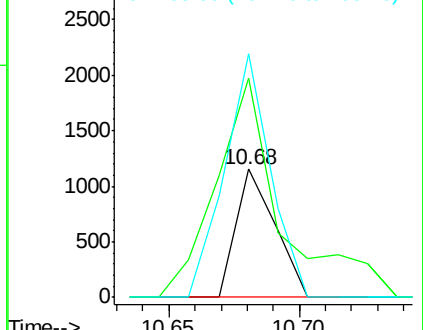
105 189.8 28.5 68.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.09 ng

RT: 10.68 min Scan# 730

Delta R.T. -0.25 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

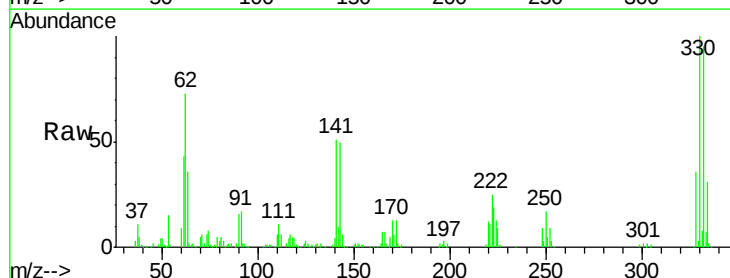
Tgt Ion:248 Resp: 40831

Ion Ratio Lower Upper

248 100

250 203.4 78.5 117.7#

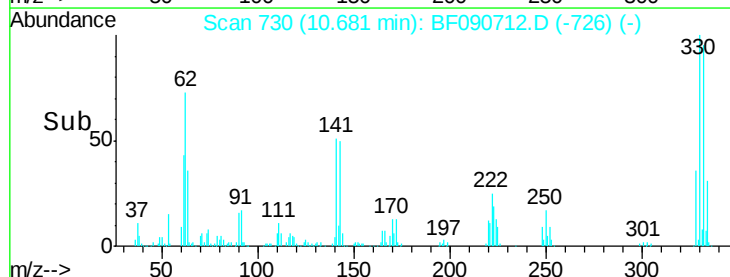
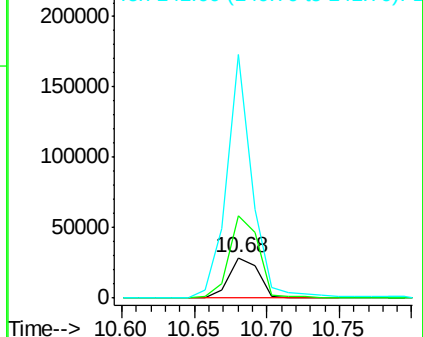
141 600.1 59.0 88.6#

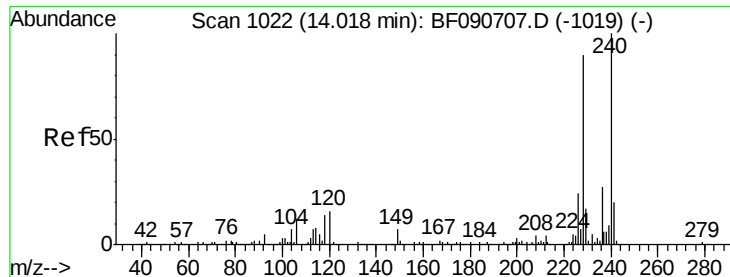


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

Instrument :

BNA\_F

ClientSampleId :

PB94209BL

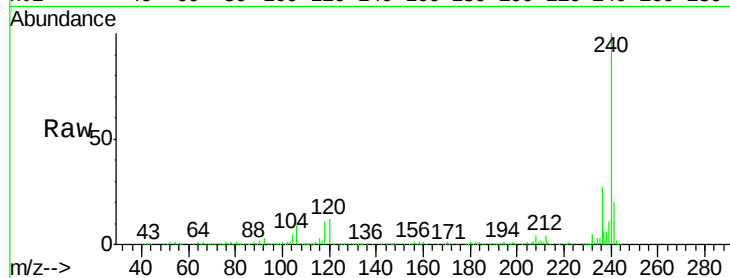
Tot Ion:240 Resp: 633200

Ion Ratio Lower Upper

240 100

120 12.1 16.2 24.2#

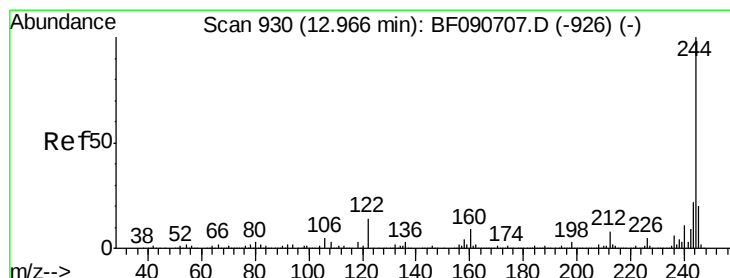
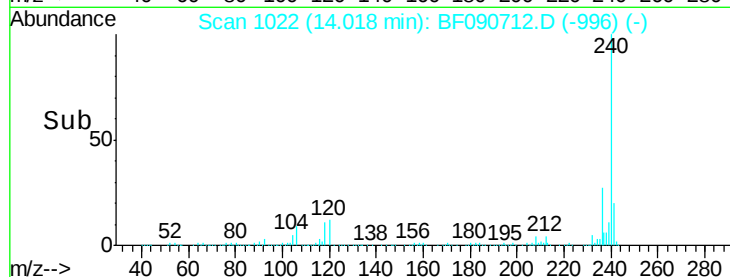
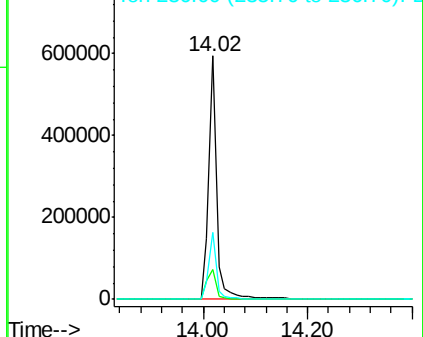
236 27.3 18.4 27.6



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: 94.49 ng

RT: 12.97 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090712.D

Acq: 21 Oct 2016 14:36

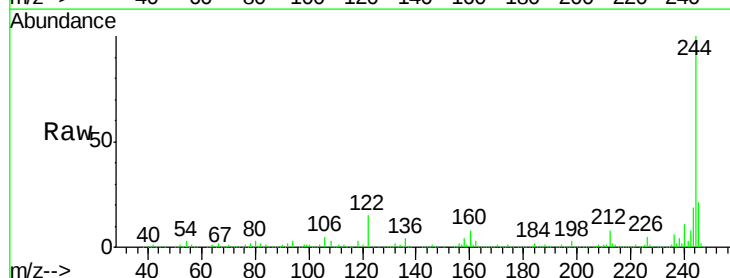
Tgt Ion:244 Resp: 2610606

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

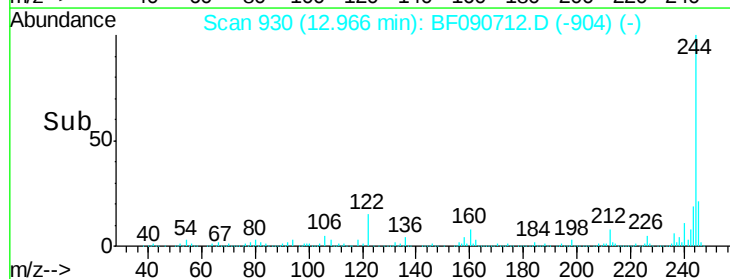
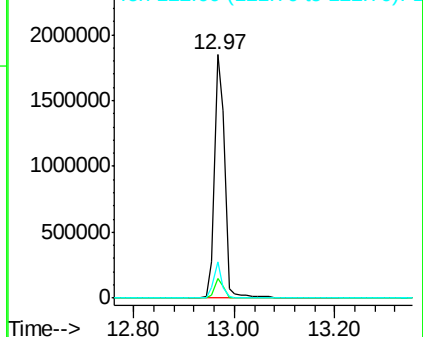
122 15.0 17.4 26.2#

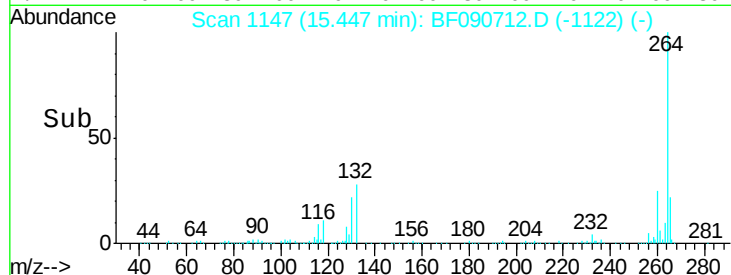
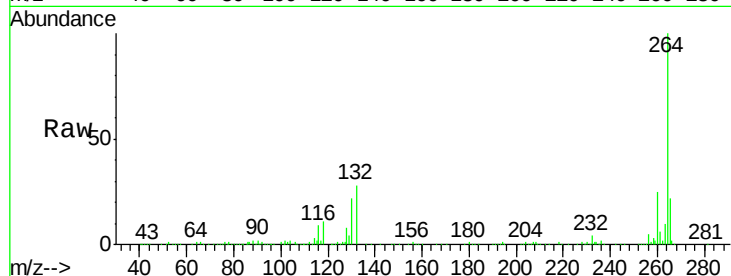
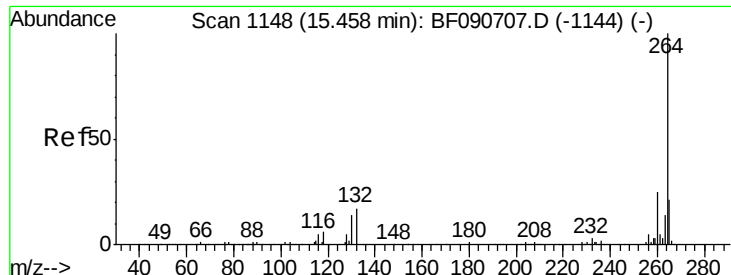


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1147  
 Delta R.T. -0.01 min  
 Lab File: BF090712.D  
 Acq: 21 Oct 2016 14:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB94209BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.3  | 16.7  | 25.1# |
| 265     | 22.3  | 17.2  | 25.8  |

