

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\  
 Data File : BF093250.D  
 Acq On : 28 Feb 2017 16:00  
 Operator : SJ/MA  
 Sample : I2017-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 28 17:07:51 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 17:31:55 2017  
 Response via : Initial Calibration

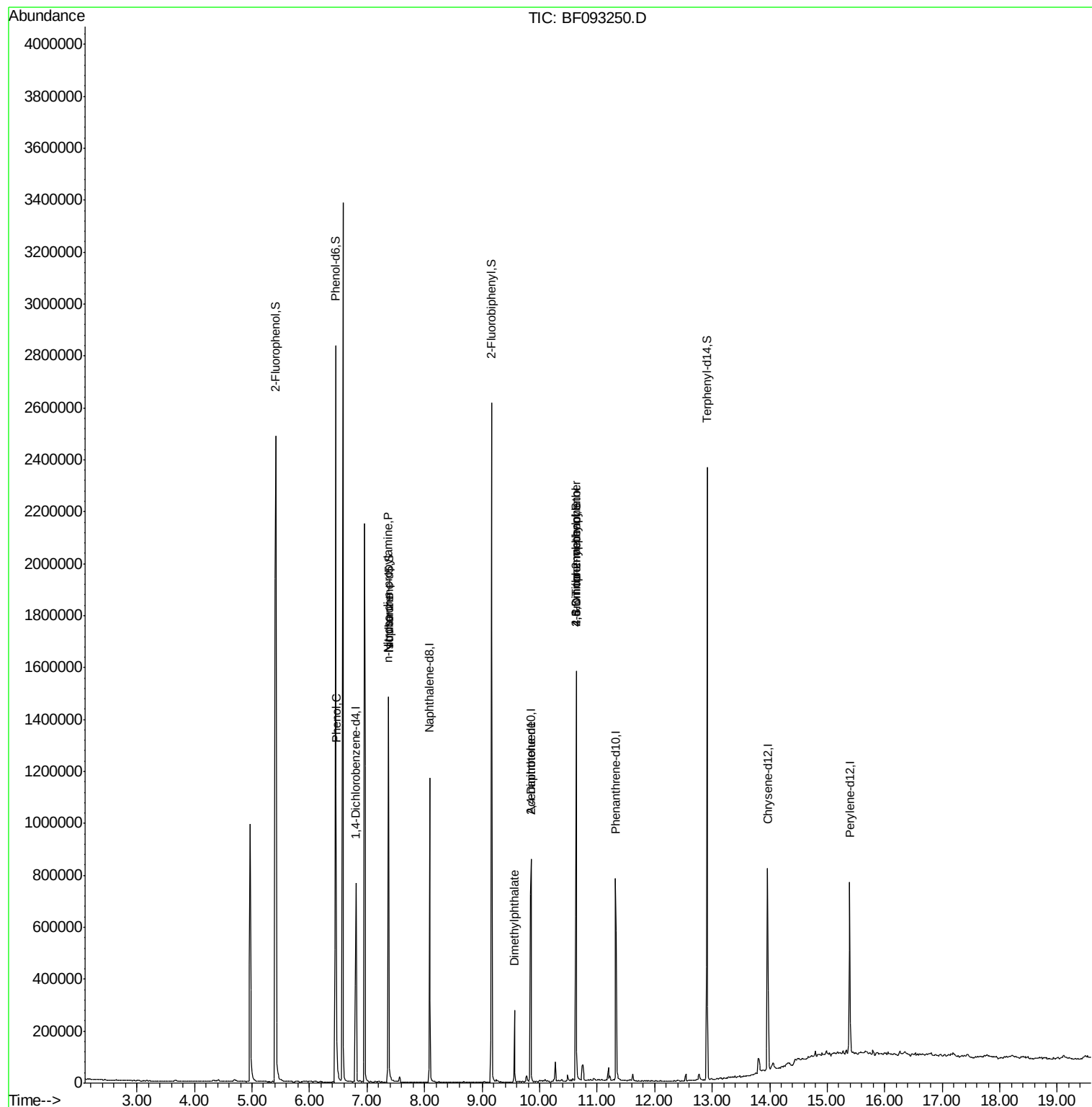
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 136103   | 20.00  | ng    | -0.05     |
| 21) Naphthalene-d8             | 8.09  | 136  | 526889   | 20.00  | ng    | -0.06     |
| 38) Acenaphthene-d10           | 9.85  | 164  | 238335   | 20.00  | ng    | -0.05     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 381986   | 20.00  | ng    | -0.06     |
| 75) Chrysene-d12               | 13.96 | 240  | 283224   | 20.00  | ng    | -0.06     |
| 86) Perylene-d12               | 15.39 | 264  | 291270   | 20.00  | ng    | -0.06     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.41  | 112  | 946328   | 119.29 | ng    | -0.03     |
| 7) Phenol-d6                   | 6.45  | 99   | 1069028  | 104.73 | ng    | -0.03     |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 728177   | 76.96  | ng    | -0.05     |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 176365   | 102.31 | ng    | -0.05     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 1095802  | 83.30  | ng    | -0.06     |
| 78) Terphenyl-d14              | 12.91 | 244  | 678346   | 56.28  | ng    | -0.06     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.46  | 94   | 82578    | 6.91   | ng    | Qvalue 89 |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 95226    | 14.66  | ng    | # 85      |
| 25) Isophorone                 | 7.38  | 82   | 717952   | 40.72  | ng    | # 65      |
| 49) Dimethylphthalate          | 9.56  | 163  | 105996   | 6.60   | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 29391    | 6.37   | ng    | # 21      |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 340      | 2.81   | ng    | # 1       |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 13551    | 3.40   | ng    | # 1       |

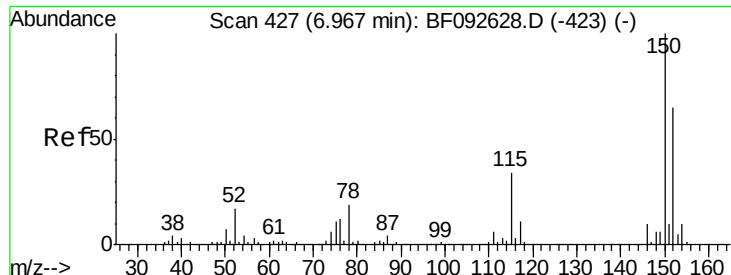
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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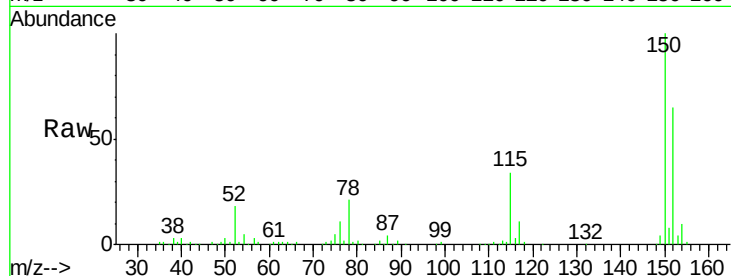


#1

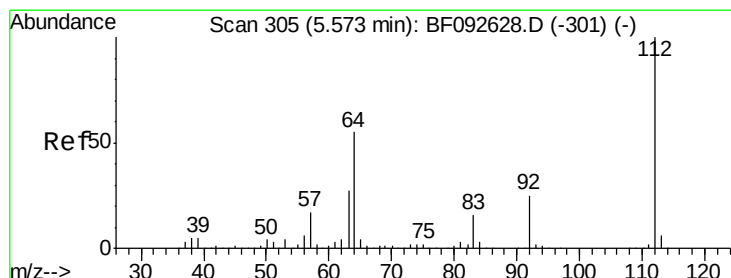
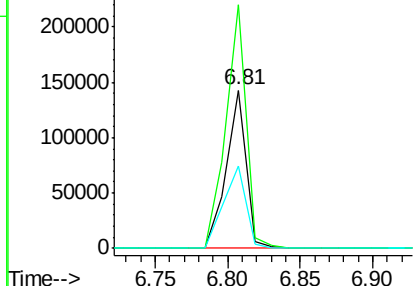
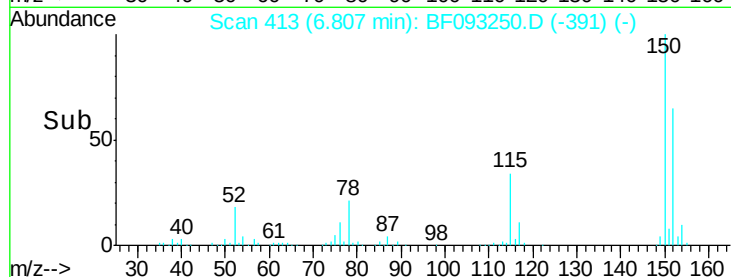
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. -0.05 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 136103  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.9 187.3  
115 52.4 46.0 69.0



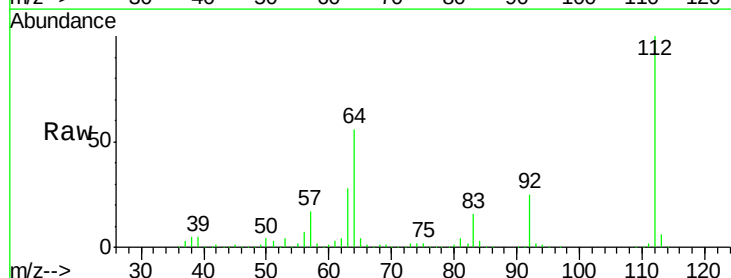
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



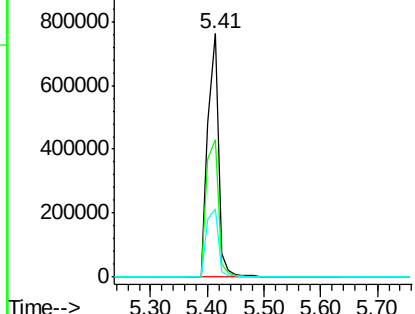
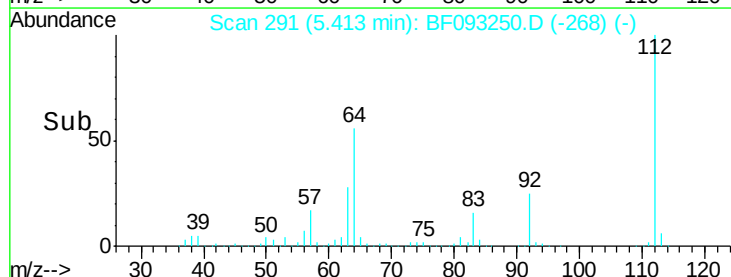
#5

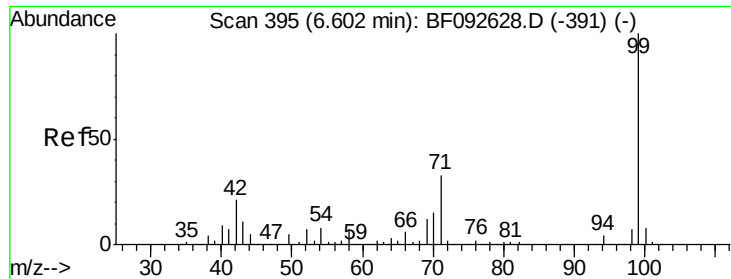
2-Fluorophenol  
Concen: 119.29 ng  
RT: 5.41 min Scan# 291  
Delta R.T. -0.03 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Tgt Ion:112 Resp: 946328  
Ion Ratio Lower Upper  
112 100  
64 56.3 46.1 69.1  
63 28.2 23.8 35.6



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: 104.73 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

Instrument :

BNA\_F

ClientSampleId :

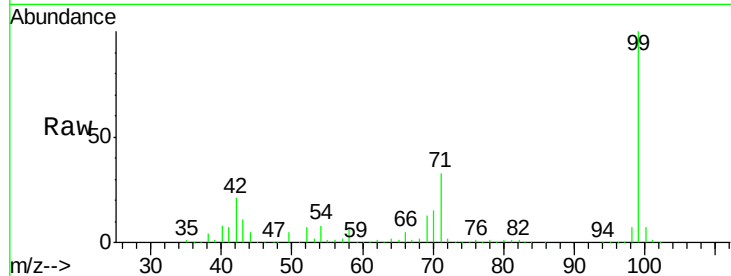
Tot Ion: 99 Resp: 1069028

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

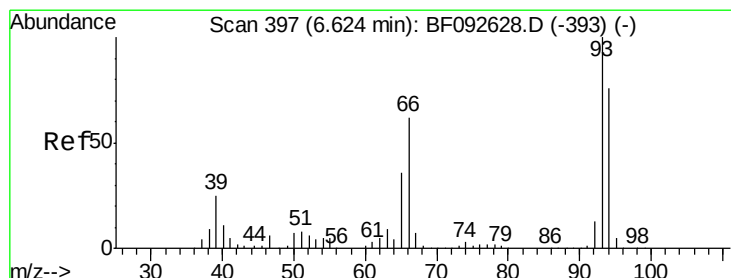
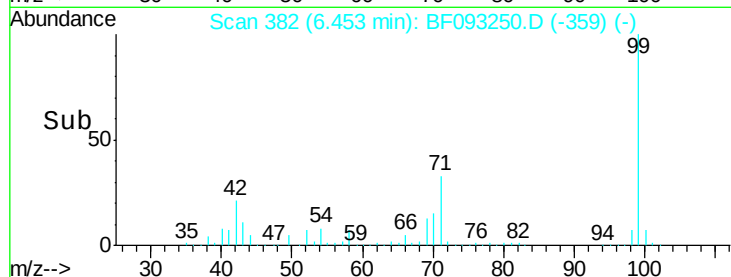
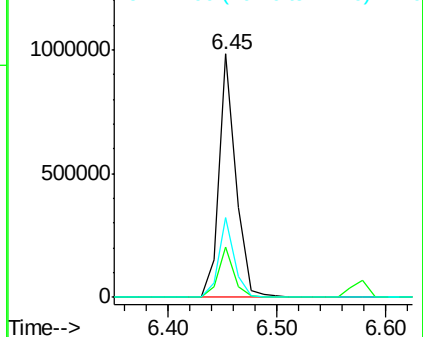
71 32.7 27.5 41.3



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



#10

Phenol

Concen: 6.91 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

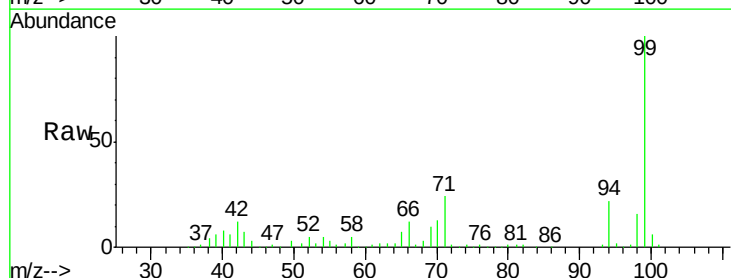
Tgt Ion: 94 Resp: 82578

Ion Ratio Lower Upper

94 100

65 34.4 21.4 61.4

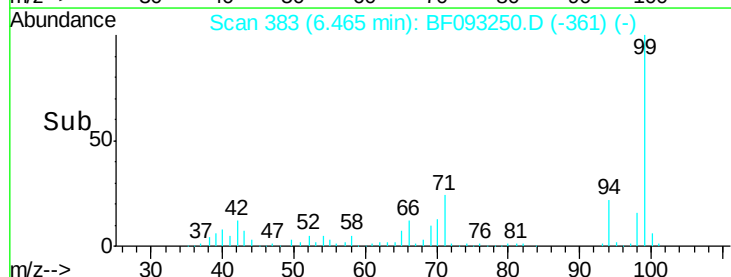
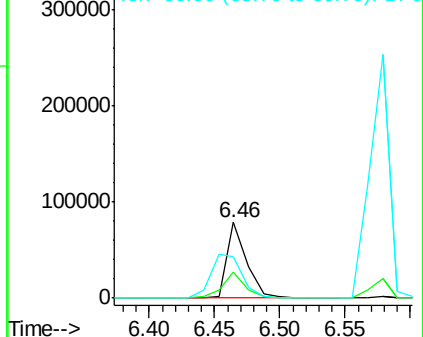
66 55.0 44.0 84.0

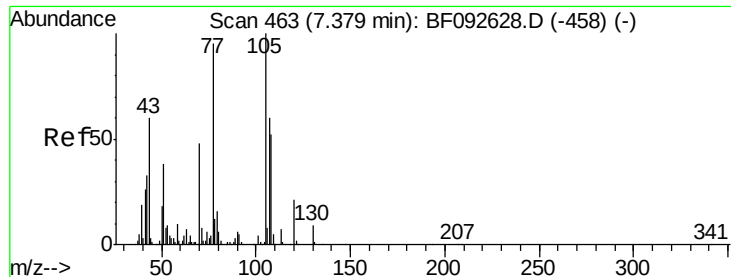


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

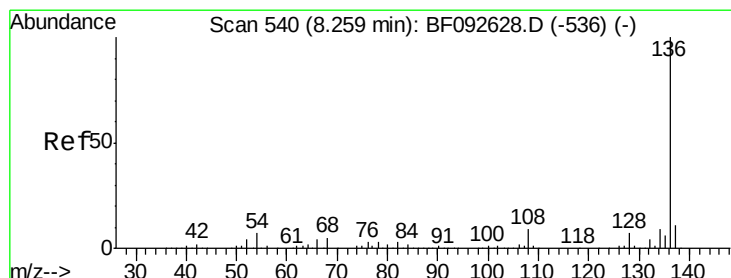
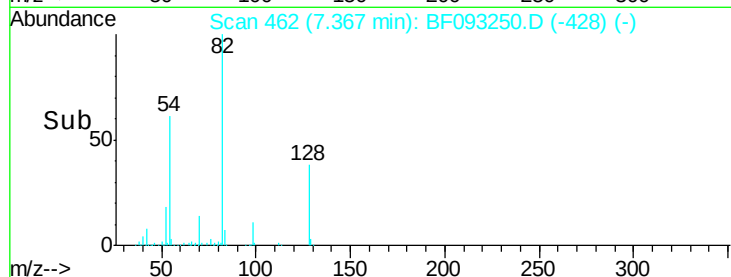
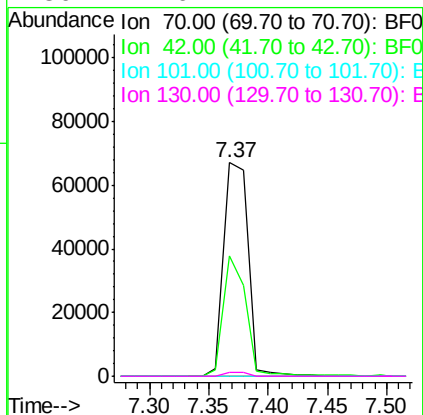
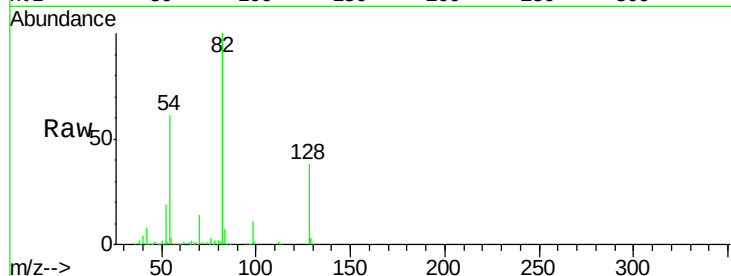




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.66 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.09 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

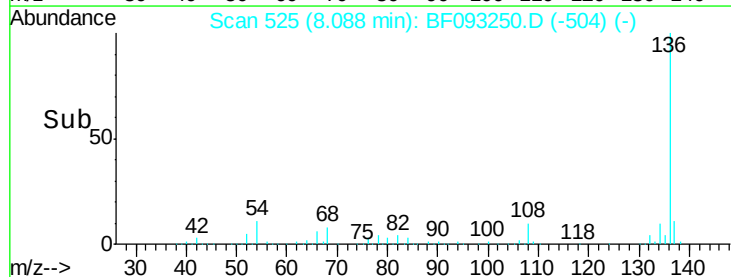
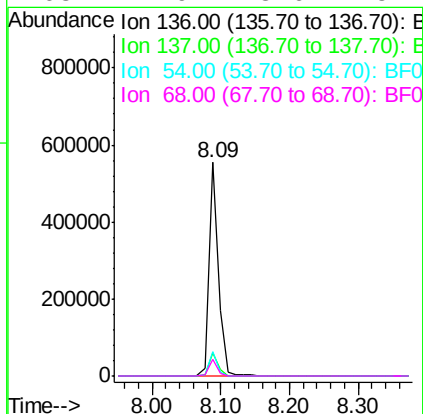
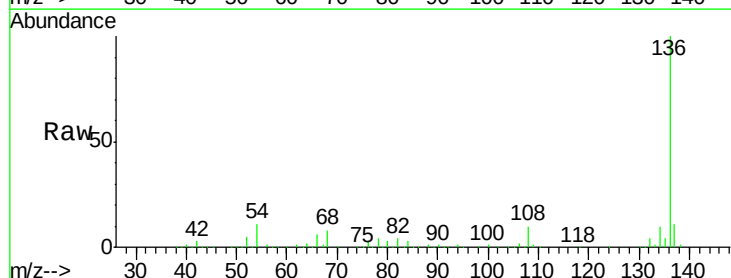
Instrument :  
BNA\_F  
ClientSampled :

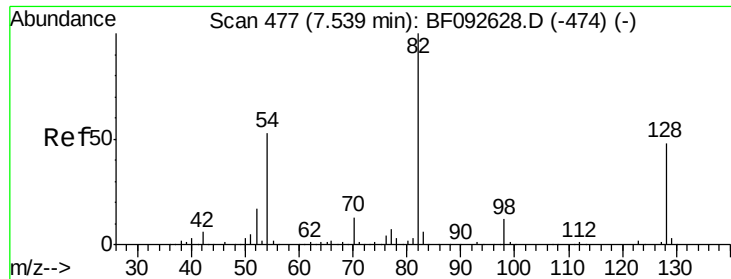
Tot Ion: 70 Resp: 95226  
Ion Ratio Lower Upper  
70 100  
42 56.1 49.4 74.0  
101 0.0 7.4 11.2#  
130 1.6 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.06 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Tgt Ion: 136 Resp: 526889  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.4 12.6  
54 11.1 4.5 6.7#  
68 7.9 3.6 5.4#

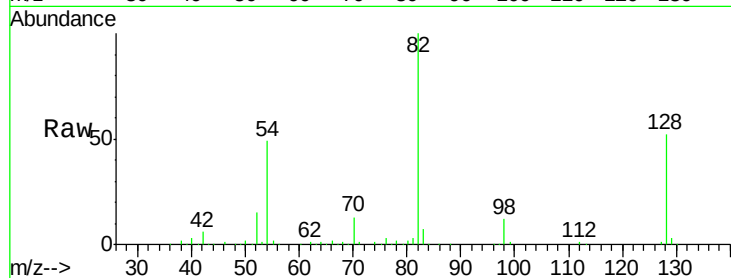




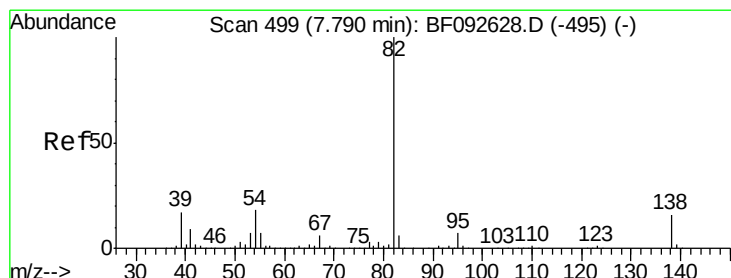
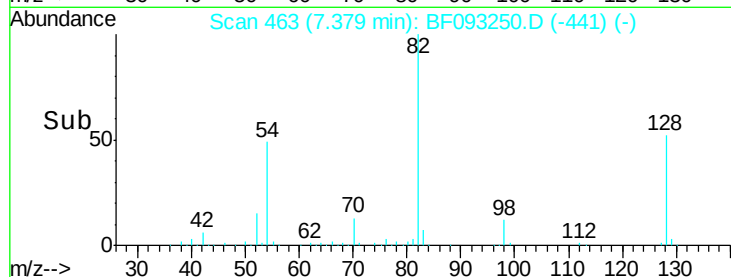
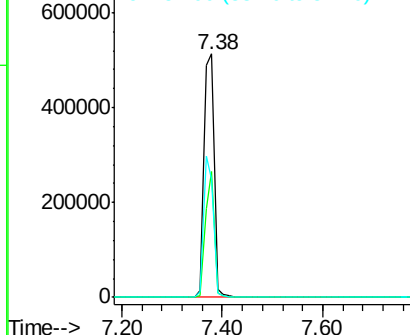
#23  
Nitrobenzene-d5  
Concen: 76.96 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.05 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 728177  
Ion Ratio Lower Upper  
82 100  
128 51.8 34.6 52.0  
54 48.5 39.5 59.3

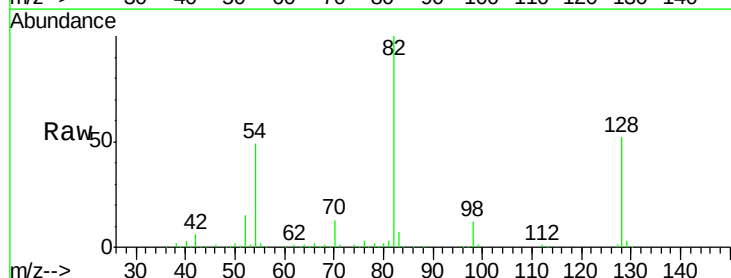


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): BF0  
Ion 54.00 (53.70 to 54.70): BF0

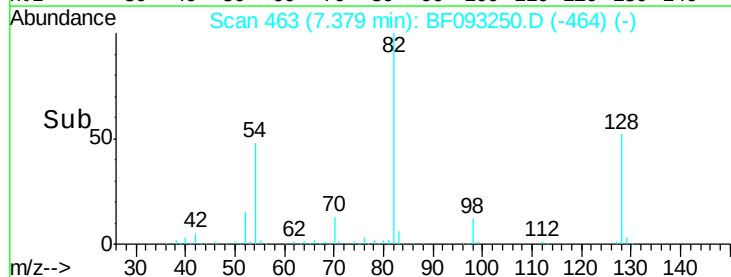
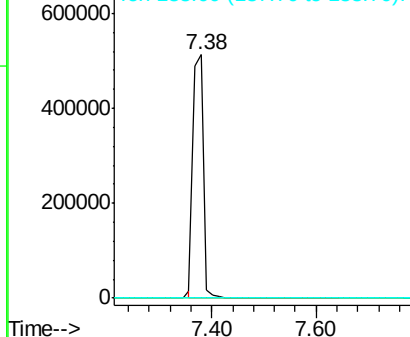


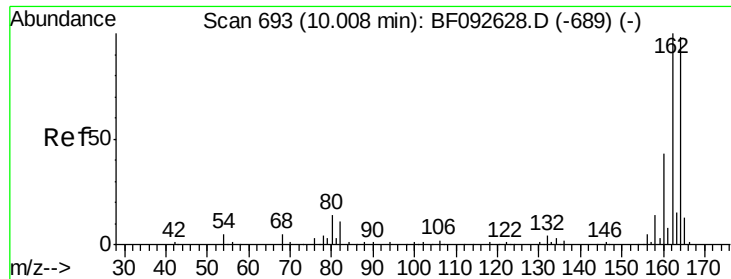
#25  
Isophorone  
Concen: 40.72 ng  
RT: 7.38 min Scan# 463  
Delta R.T. -0.31 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Tgt Ion: 82 Resp: 717952  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

Instrument :

BNA\_F

ClientSampleId :

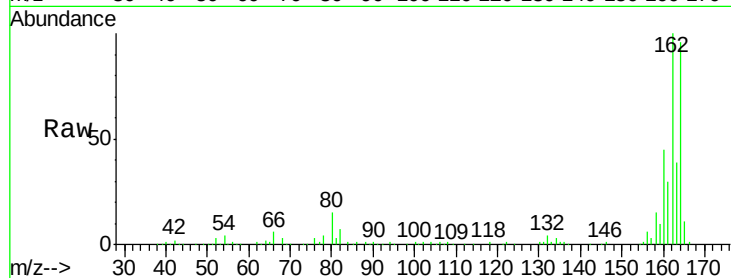
Tot Ion:164 Resp: 238335

Ion Ratio Lower Upper

164 100

162 104.5 80.2 120.2

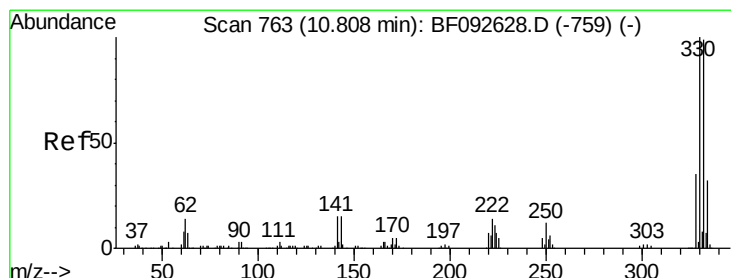
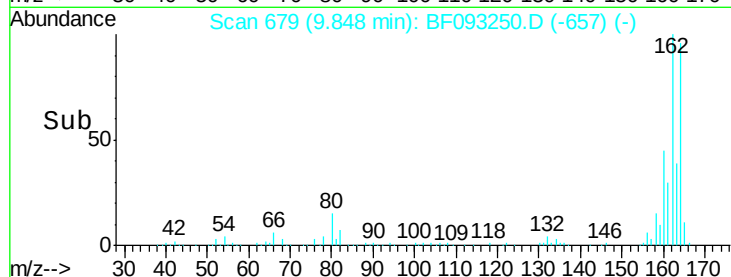
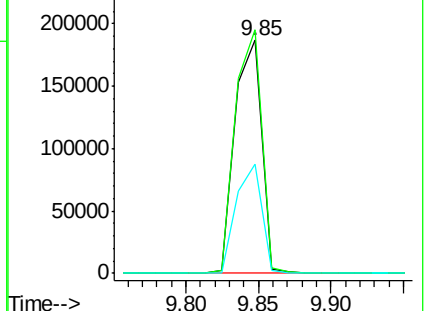
160 47.0 36.9 55.3



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: 102.31 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

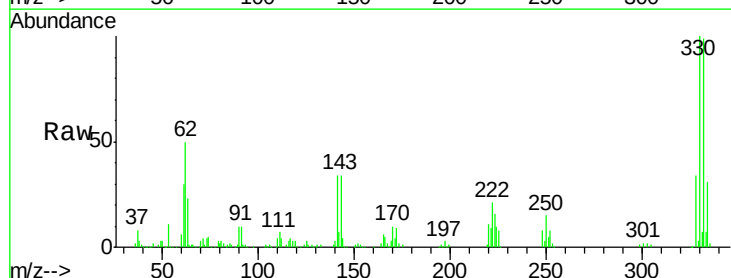
Tgt Ion:330 Resp: 176365

Ion Ratio Lower Upper

330 100

332 99.0 77.4 116.2

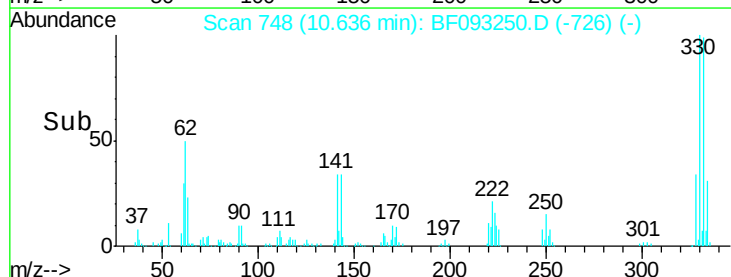
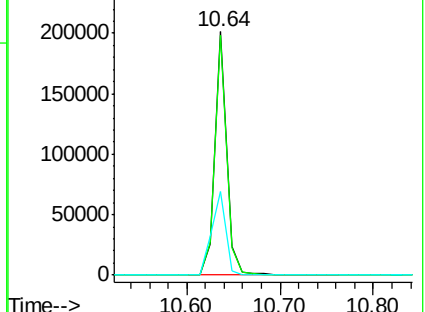
141 41.5 34.1 51.1

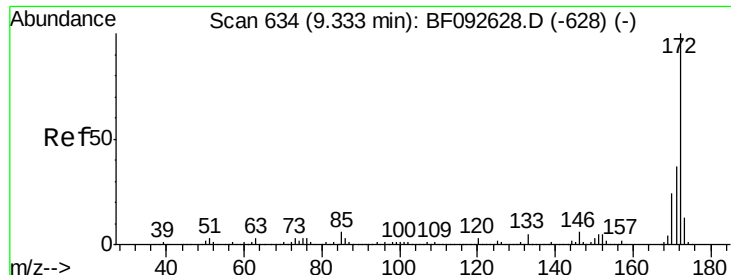


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

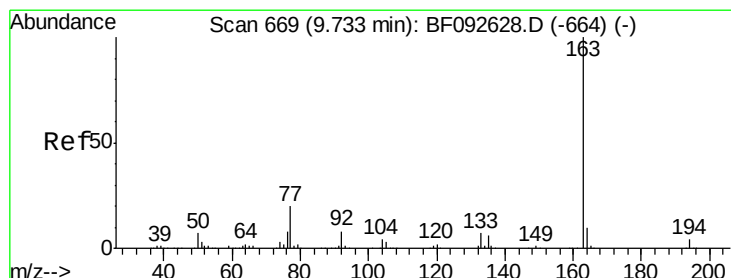
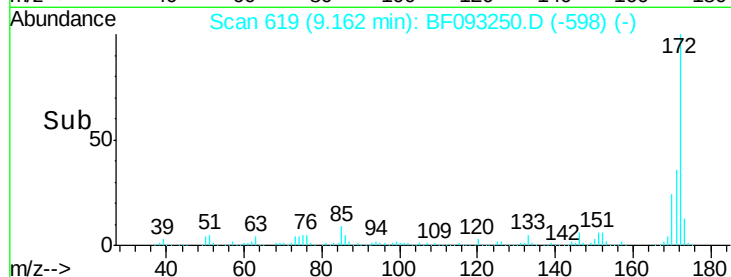
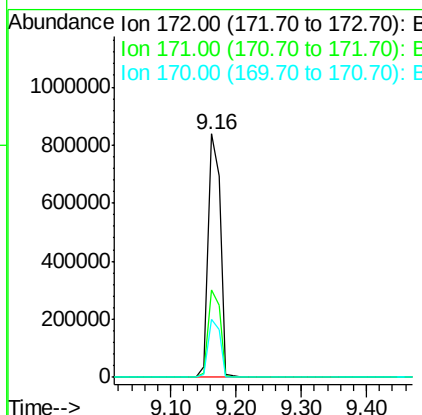
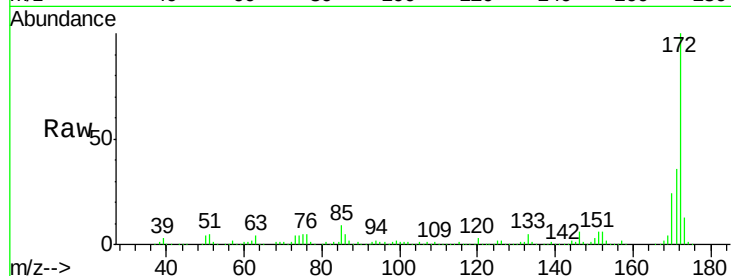




#44  
2-Fluorobiphenyl  
Concen: 83.30 ng  
RT: 9.16 min Scan# 619  
Delta R.T. -0.06 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

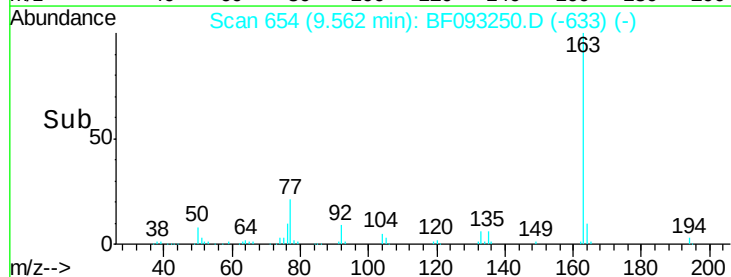
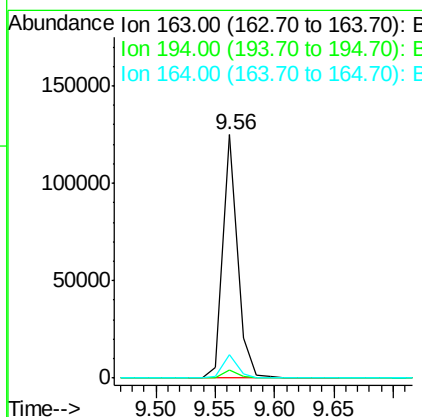
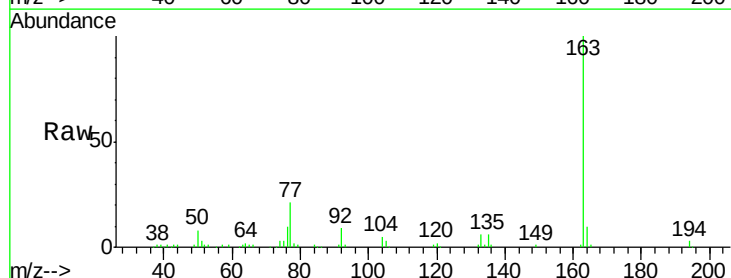
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:172 Resp: 1095802  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.4 44.0  
170 24.0 20.2 30.4

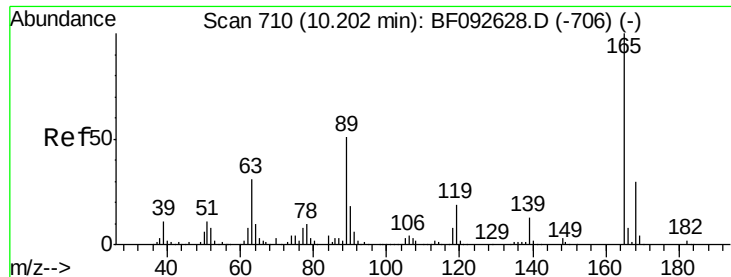


#49  
Dimethylphthalate  
Concen: 6.60 ng  
RT: 9.56 min Scan# 654  
Delta R.T. -0.06 min  
Lab File: BF093250.D  
Acq: 28 Feb 2017 16:00

Tgt Ion:163 Resp: 105996  
Ion Ratio Lower Upper  
163 100  
194 3.4 3.0 4.4  
164 9.7 8.0 12.0



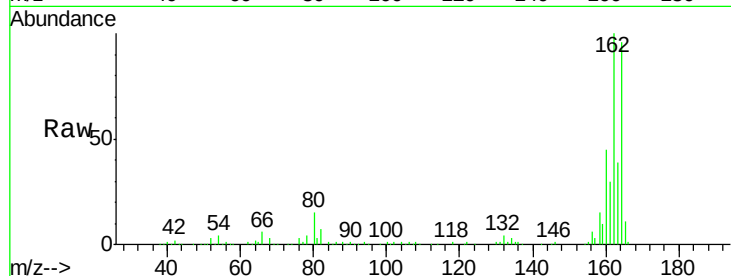




#56  
 2,4-Dinitrotoluene  
 Concen: 6.37 ng  
 RT: 9.85 min Scan# 679  
 Delta R.T. -0.24 min  
 Lab File: BF093250.D  
 Acq: 28 Feb 2017 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 29391      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.4   | 40.2 60.4# |
| 89          | 2.4   | 62.5 93.7# |
| 182         | 0.0   | 1.8 2.8#   |

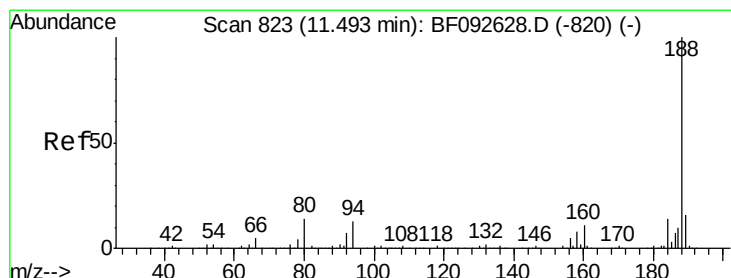
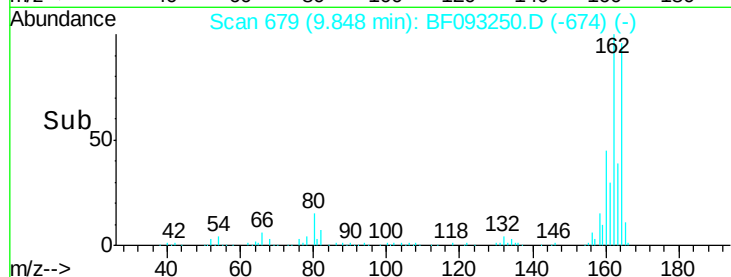
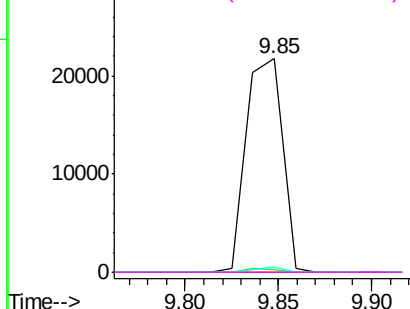


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

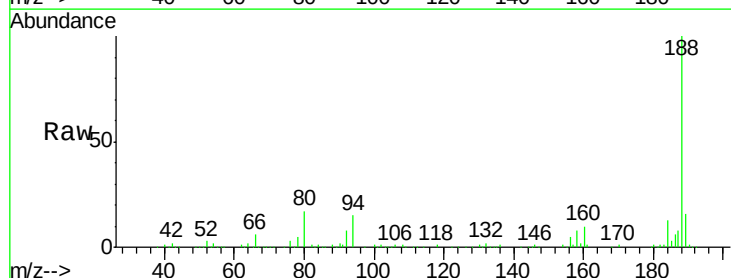
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.32 min Scan# 808  
 Delta R.T. -0.06 min  
 Lab File: BF093250.D  
 Acq: 28 Feb 2017 16:00

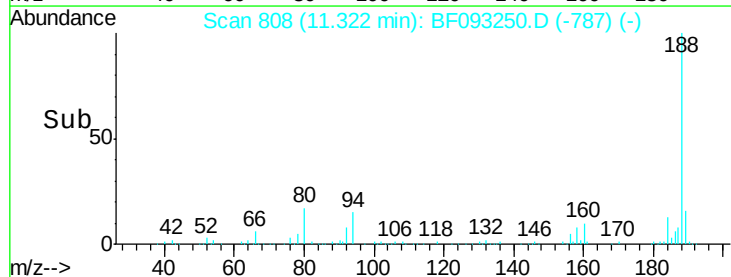
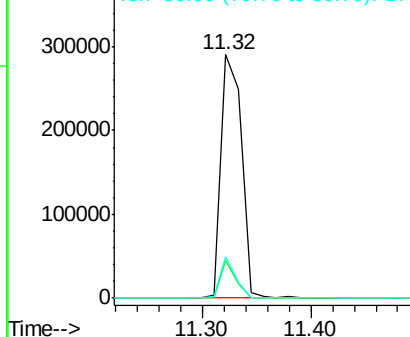
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:188 | Resp: | 381986     |
| Ion Ratio   | Lower | Upper      |
| 188         | 100   |            |
| 94          | 15.4  | 10.0 15.0# |
| 80          | 16.9  | 11.2 16.8# |

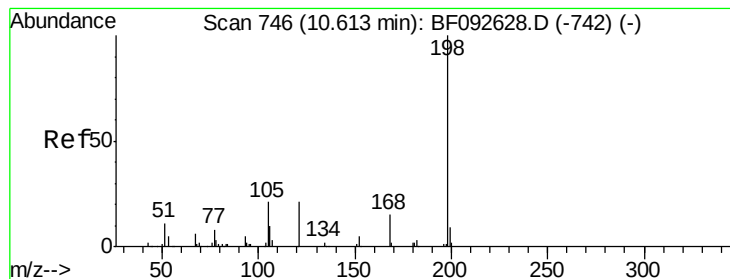


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.81 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

Instrument :

BNA\_F

ClientSampleId :

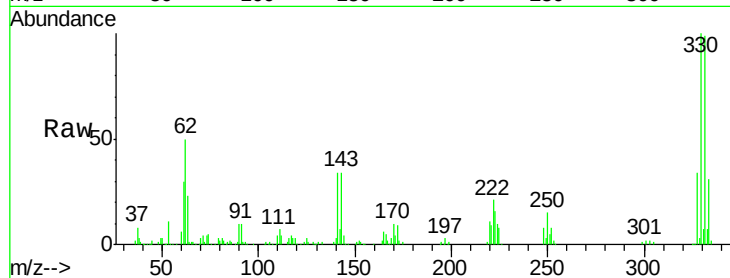
Tot Ion:198 Resp: 340

Ion Ratio Lower Upper

198 100

51 202.4 6.7 46.7#

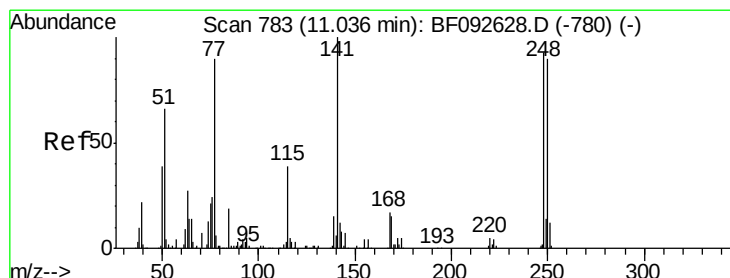
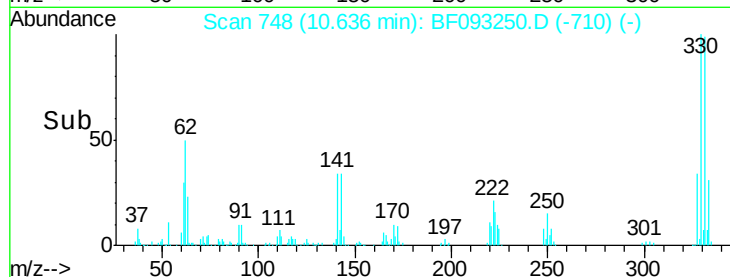
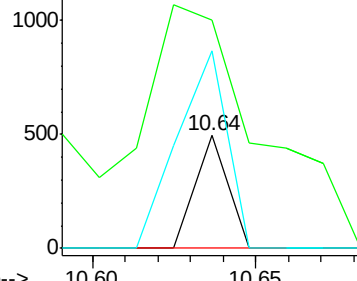
105 174.8 16.6 56.6#



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: 3.40 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

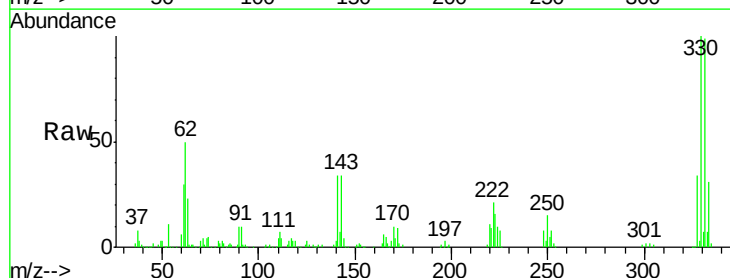
Tgt Ion:248 Resp: 13551

Ion Ratio Lower Upper

248 100

250 197.8 76.9 115.3#

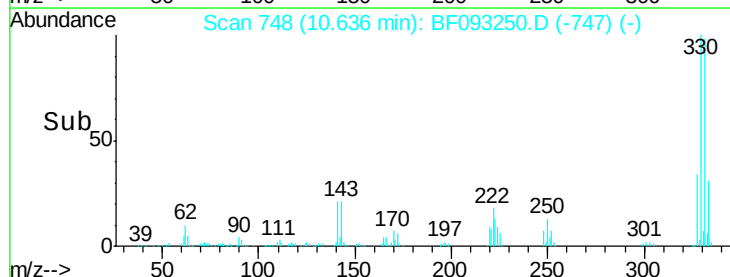
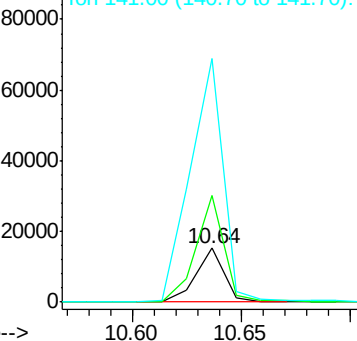
141 452.7 68.2 102.4#

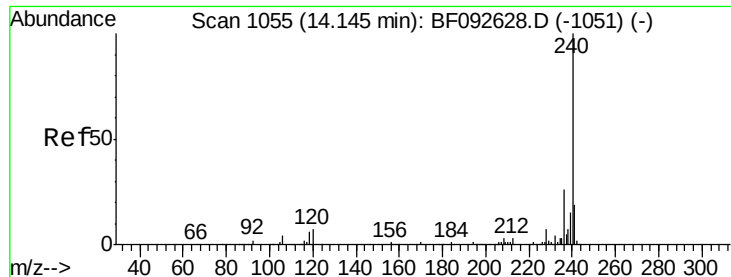


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

Instrument :

BNA\_F

ClientSampleId :

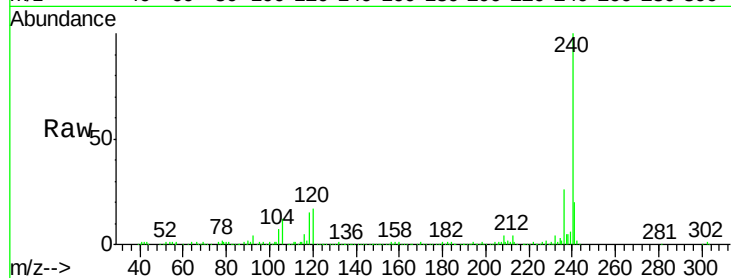
Tot Ion:240 Resp: 283224

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

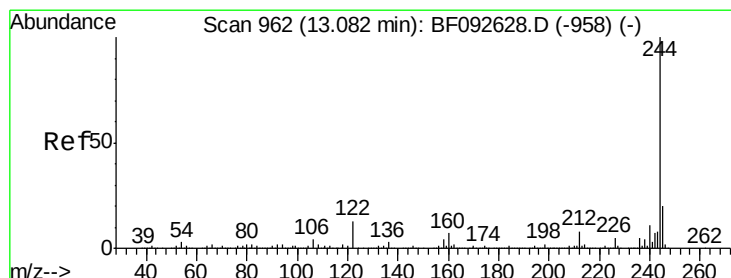
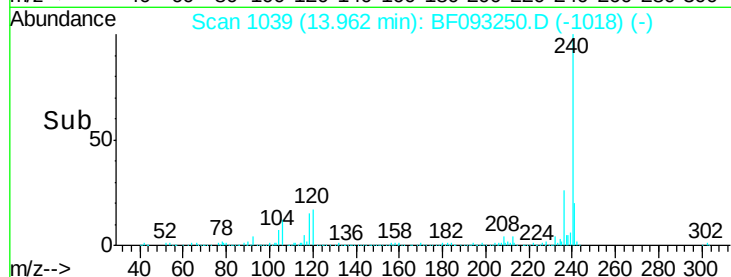
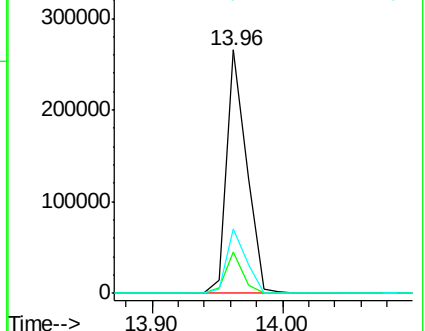
236 26.3 20.9 31.3



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: 56.28 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093250.D

Acq: 28 Feb 2017 16:00

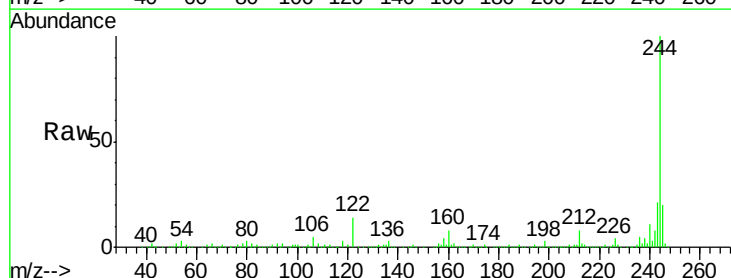
Tgt Ion:244 Resp: 678346

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

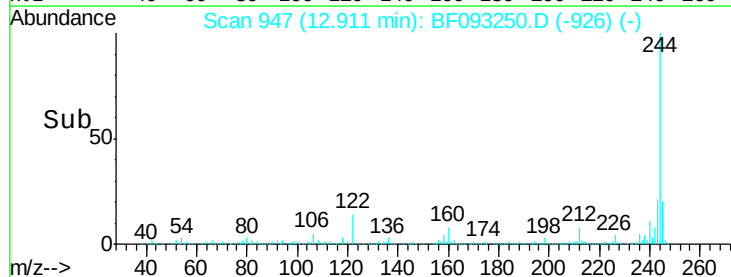
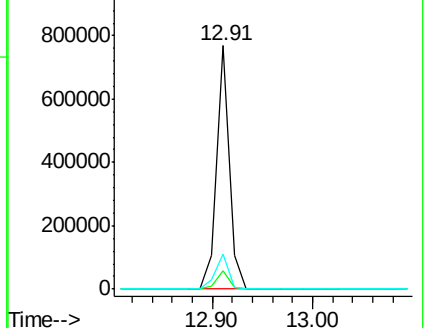
122 14.1 11.4 17.2

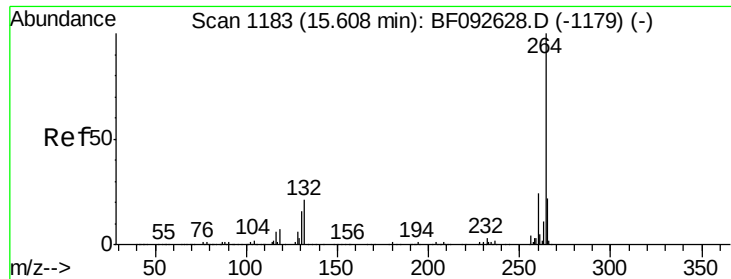


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

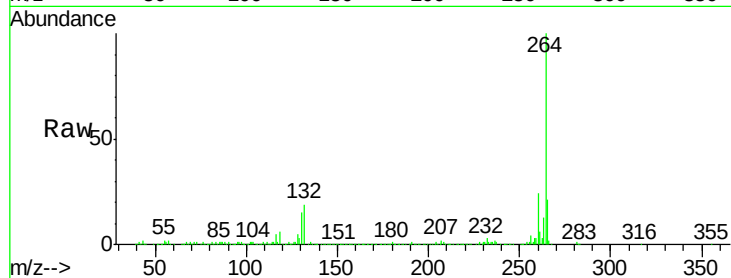




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1164  
 Delta R.T. -0.06 min  
 Lab File: BF093250.D  
 Acq: 28 Feb 2017 16:00

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 264 Resp: 291270  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 21.0 17.4 26.0



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

