

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\  
 Data File : BF097054.D  
 Acq On : 26 Jul 2017 3:48  
 Operator : SJ/JU  
 Sample : I4363-01RE  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-COMB-3RE

Quant Time: Jul 26 04:15:02 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

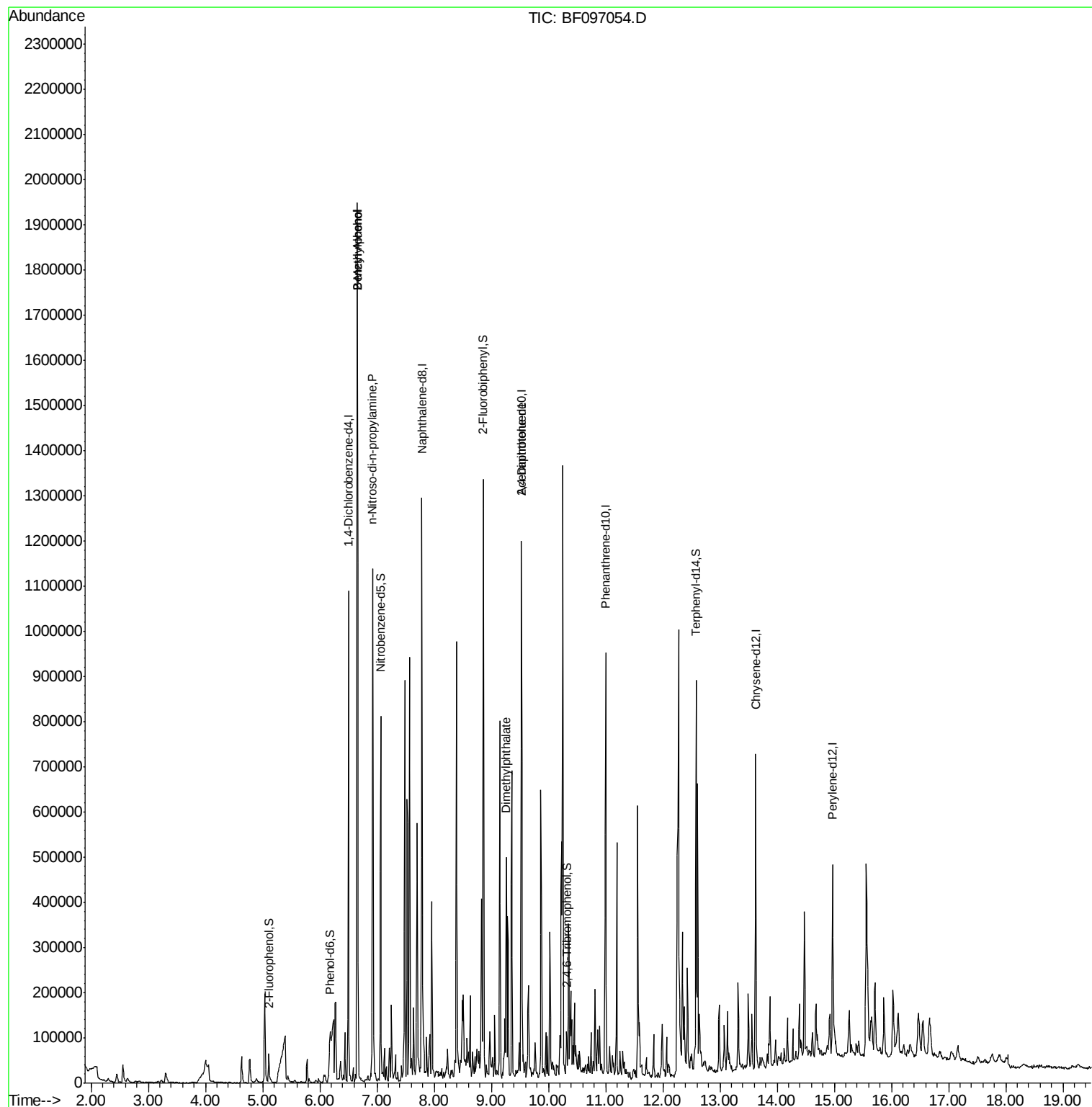
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.50  | 152  | 139048   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.78  | 136  | 545196   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.53  | 164  | 209615   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.00 | 188  | 291254   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.62 | 240  | 227167   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 14.97 | 264  | 165616   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.10  | 112  | 23497    | 2.55  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.17  | 99   | 25214    | 2.39  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.06  | 82   | 210943   | 22.70 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.32 | 330  | 6772     | 4.09  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.86  | 172  | 413478   | 33.48 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.58 | 244  | 252578   | 22.67 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 15) Benzyl Alcohol             | 6.65  | 79   | 68169    | 10.23 | ng    | # 84     |
| 17) 2-Methylphenol             | 6.65  | 107  | 35588    | 4.68  | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 6.92  | 70   | 23611    | 3.41  | ng    | # 83     |
| 49) Dimethylphthalate          | 9.26  | 163  | 119861   | 7.53  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.53  | 165  | 26634    | 6.86  | ng    | # 34     |

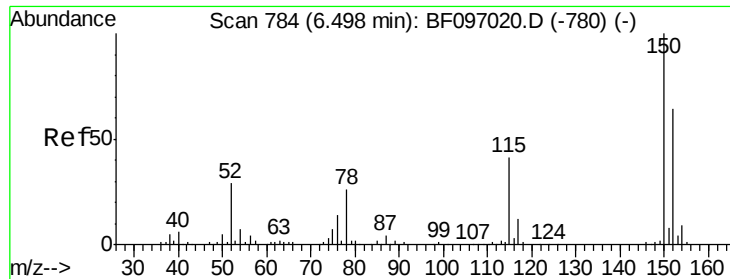
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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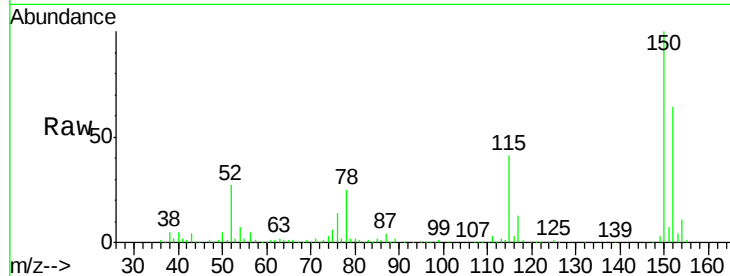


#1

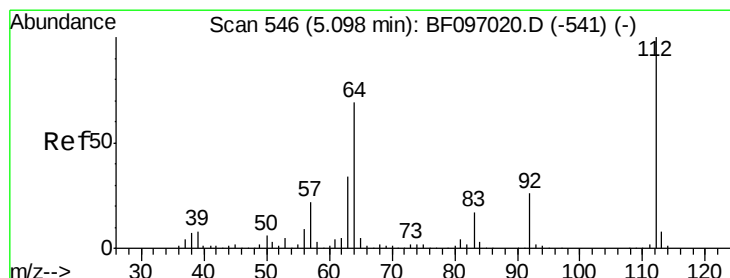
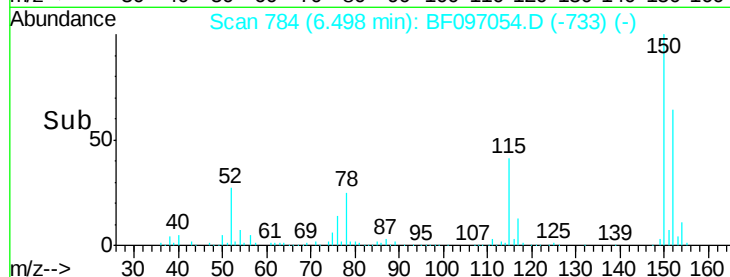
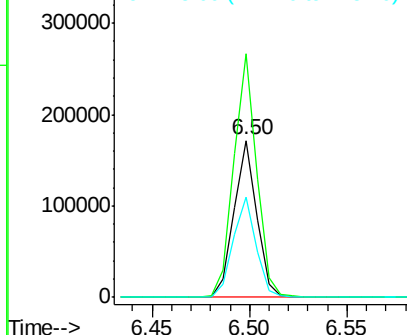
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.50 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Instrument :  
BNA\_F  
ClientSampleId :  
B-COMB-3RE

Tot Ion:152 Resp: 139048  
Ion Ratio Lower Upper  
152 100  
150 155.3 126.2 189.2  
115 63.6 52.2 78.2



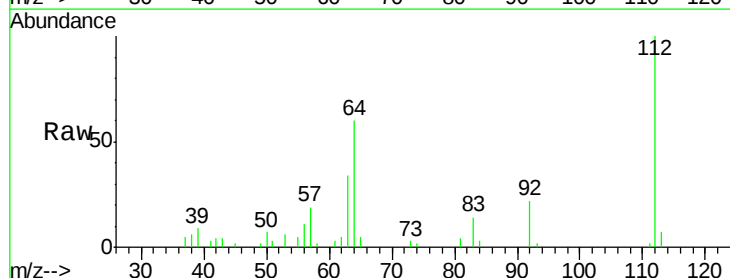
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



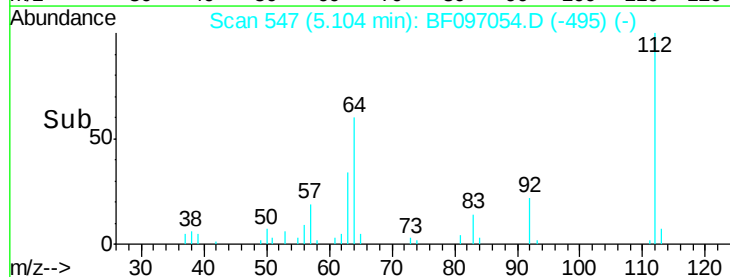
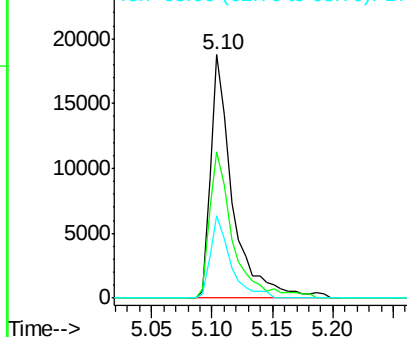
#5

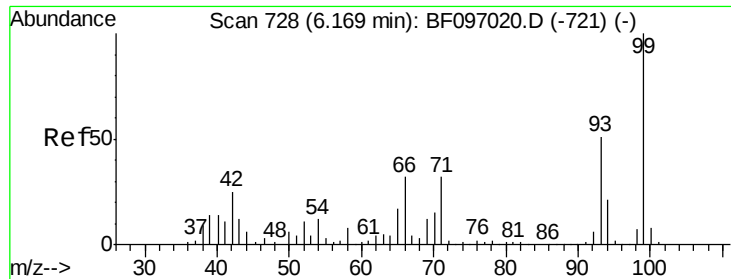
2-Fluorophenol  
Concen: 2.55 ng  
RT: 5.10 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Tgt Ion:112 Resp: 23497  
Ion Ratio Lower Upper  
112 100  
64 60.2 46.0 69.0  
63 33.7 23.4 35.0



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: 2.39 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

B-COMB-3RE

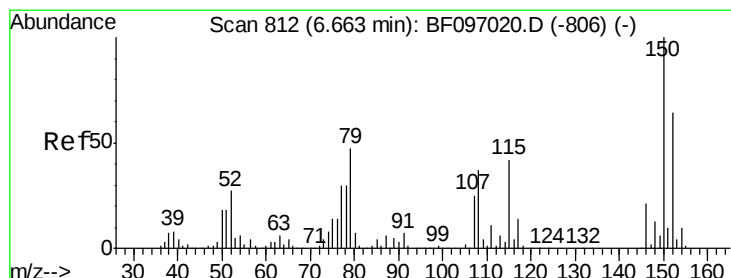
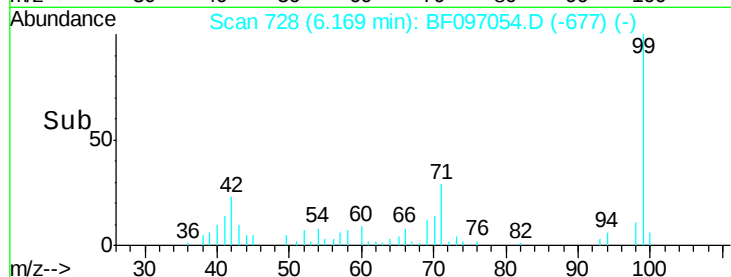
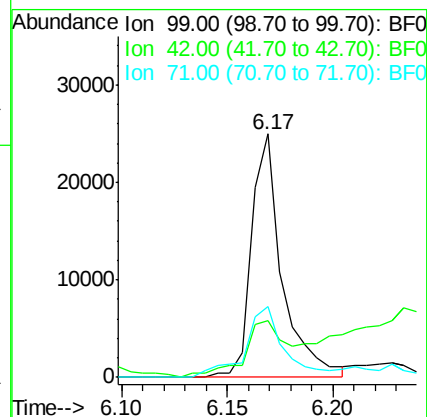
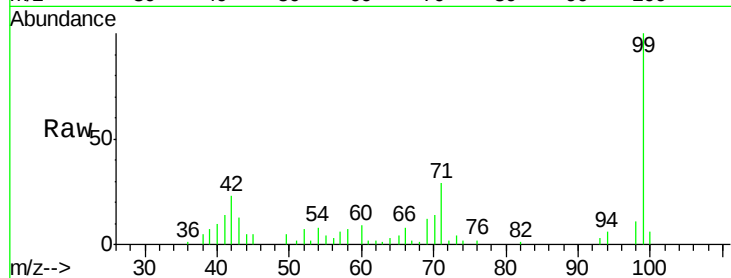
Tot Ion: 99 Resp: 25214

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

71 29.2 24.5 36.7



#15

Benzyl Alcohol

Concen: 10.23 ng

RT: 6.65 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

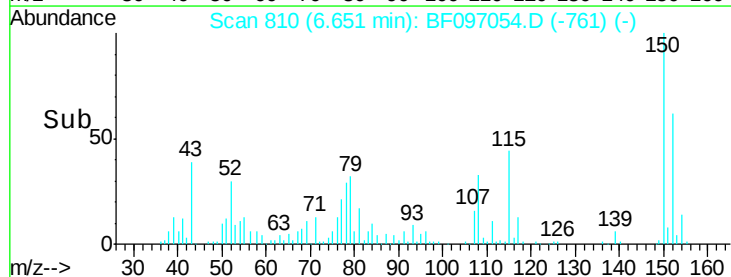
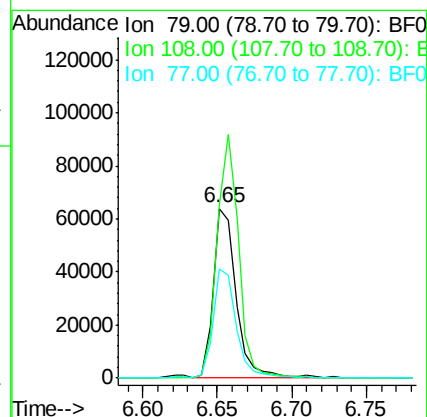
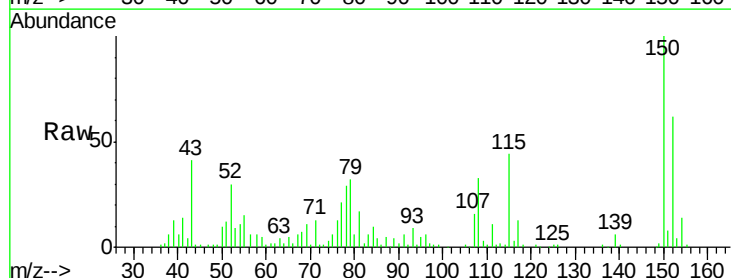
Tgt Ion: 79 Resp: 68169

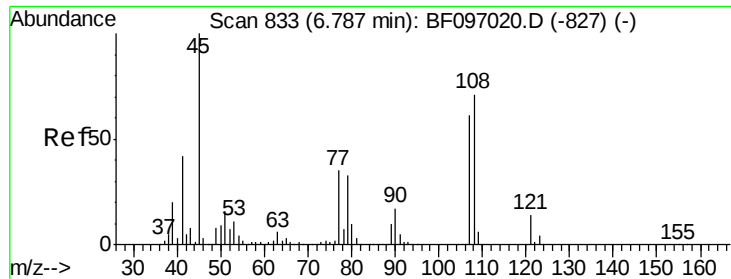
Ion Ratio Lower Upper

79 100

108 102.4 63.4 95.0#

77 64.0 49.2 73.8

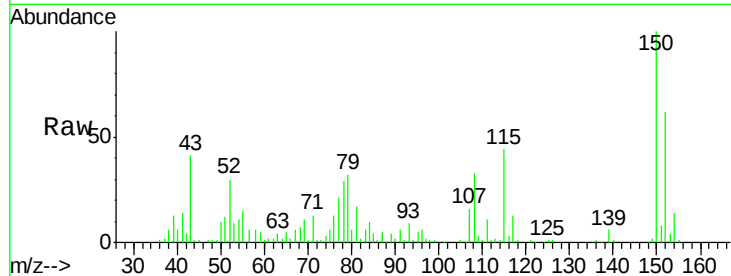




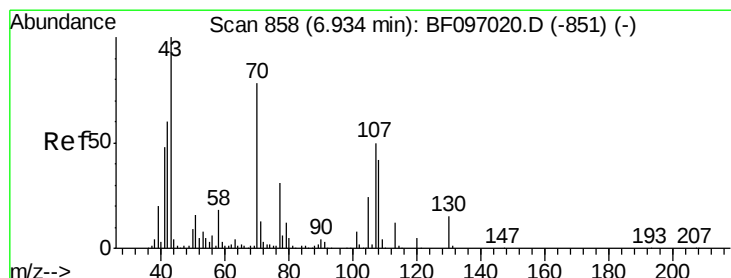
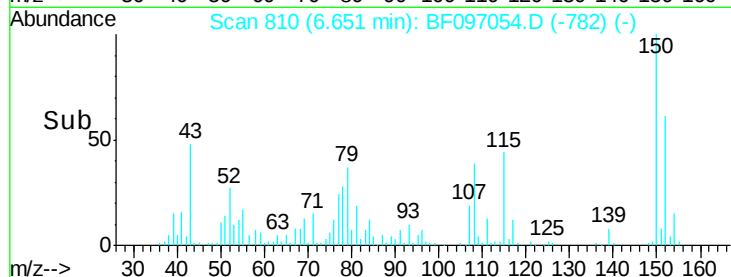
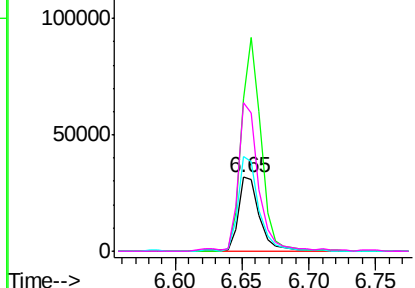
#17  
2-Methylphenol  
Concen: 4.68 ng  
RT: 6.65 min Scan# 810  
Delta R.T. -0.14 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Instrument :  
BNA\_F  
ClientSampleId :  
B-COMB-3RE

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 207.0 | 93.4  | 140.0# |
| 77      | 129.4 | 35.8  | 53.6#  |
| 79      | 202.2 | 34.8  | 52.2#  |



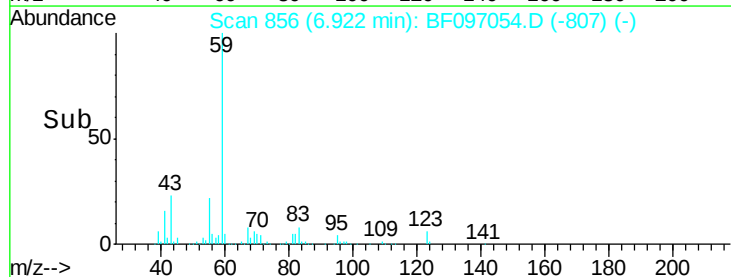
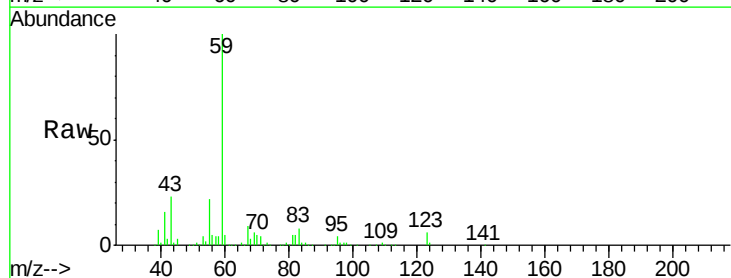
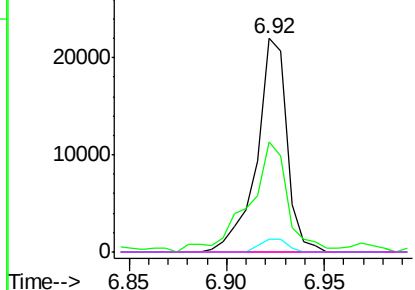
Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0

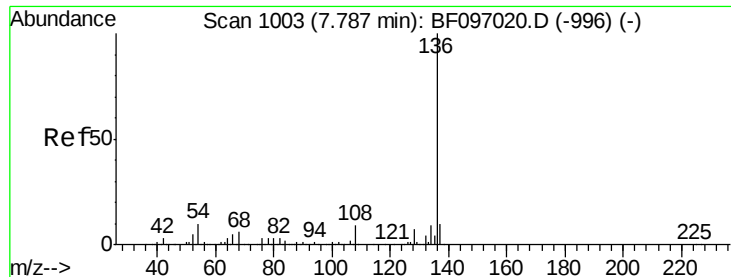


#19  
n-Nitroso-di-n-propylamine  
Concen: 3.41 ng  
RT: 6.92 min Scan# 856  
Delta R.T. -0.01 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 51.7  | 47.2  | 70.8  |
| 101     | 5.8   | 7.2   | 10.8# |
| 130     | 0.0   | 15.9  | 23.9# |

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): E  
Ion 130.00 (129.70 to 130.70): E

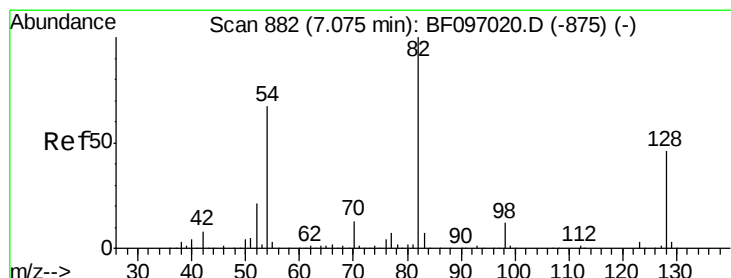
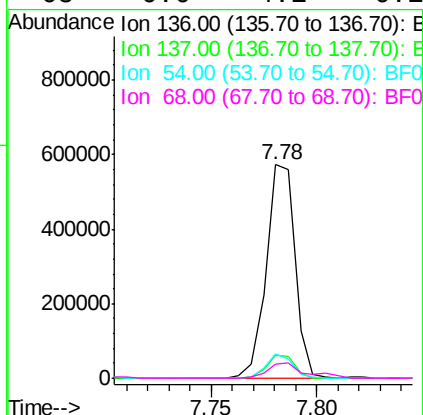
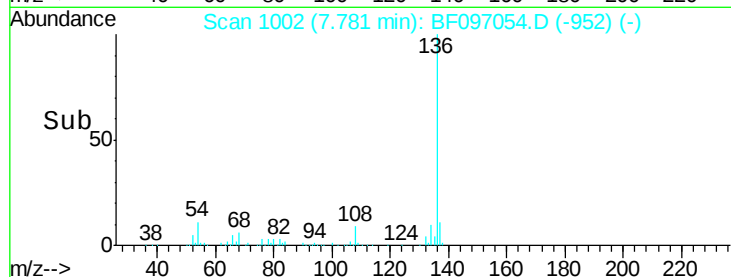
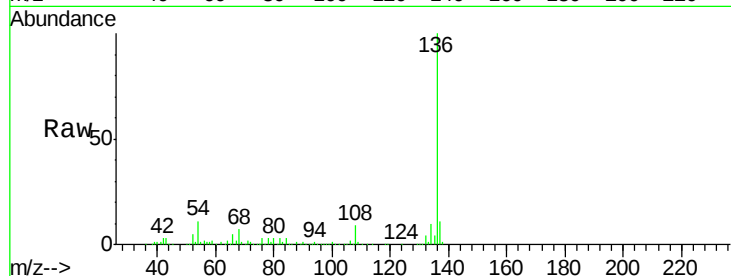




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.78 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

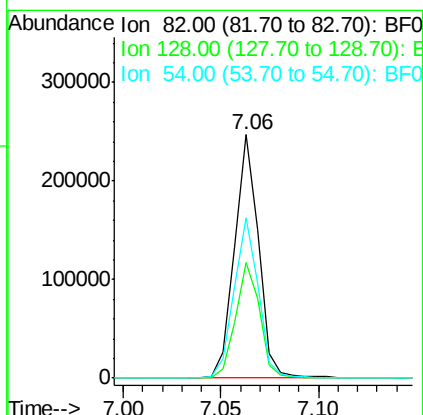
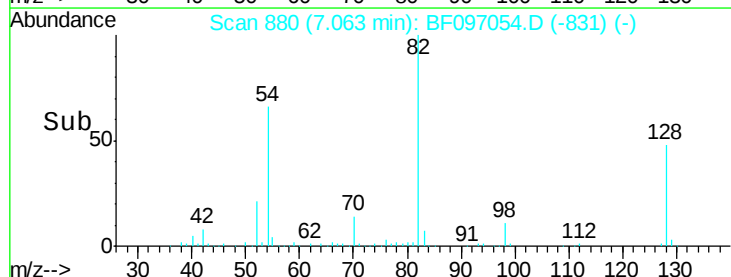
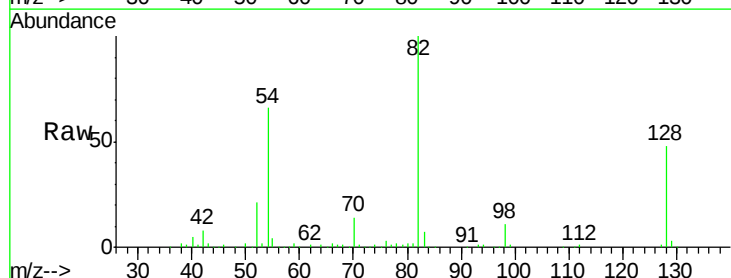
Instrument :  
BNA\_F  
ClientSampleId :  
B-COMB-3RE

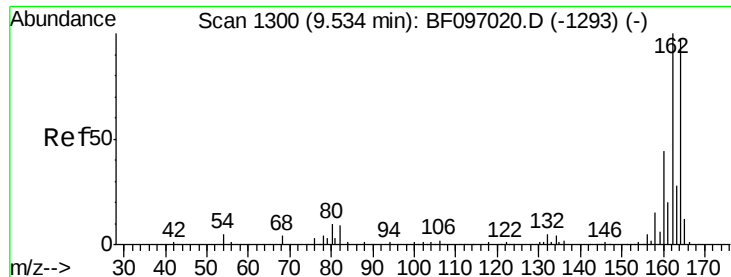
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 545196 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.5   | 12.7   |
| 54       | 11.3  | 4.9   | 7.3#   |
| 68       | 6.6   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 22.70 ng  
RT: 7.06 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 210943 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.6  | 34.0  | 51.0   |
| 54       | 66.1  | 42.2  | 63.2#  |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

B-COMB-3RE

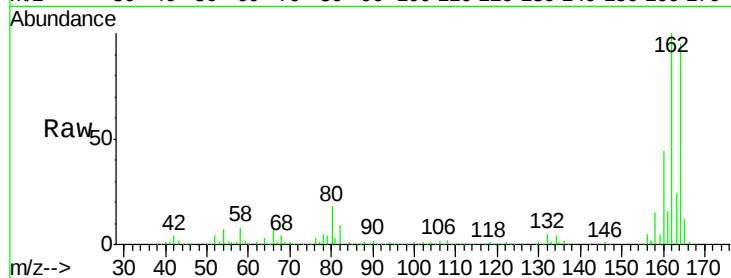
Tot Ion:164 Resp: 209615

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

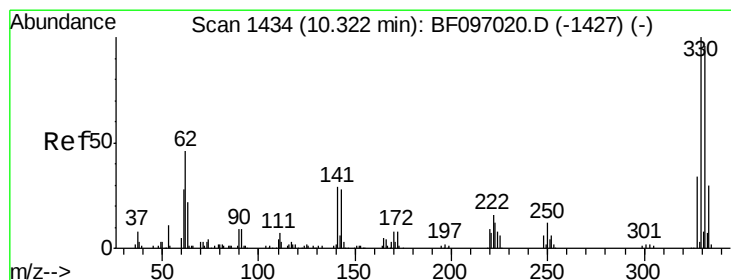
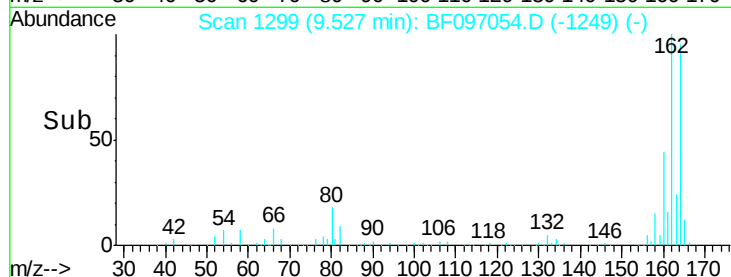
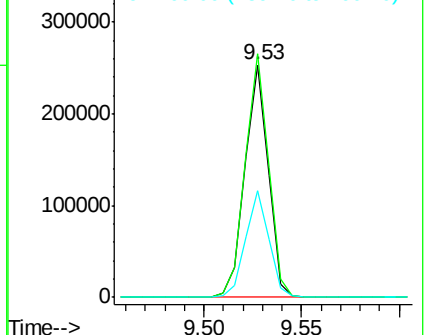
160 46.0 36.2 54.2



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: 4.09 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

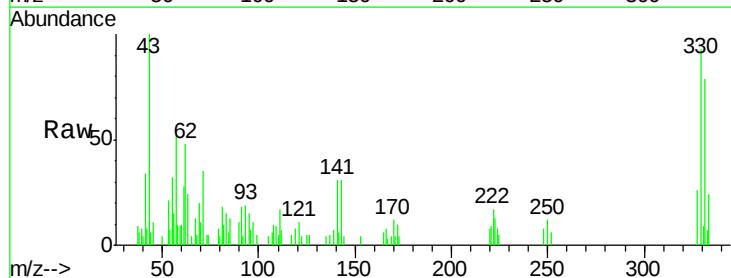
Tgt Ion:330 Resp: 6772

Ion Ratio Lower Upper

330 100

332 90.8 76.6 115.0

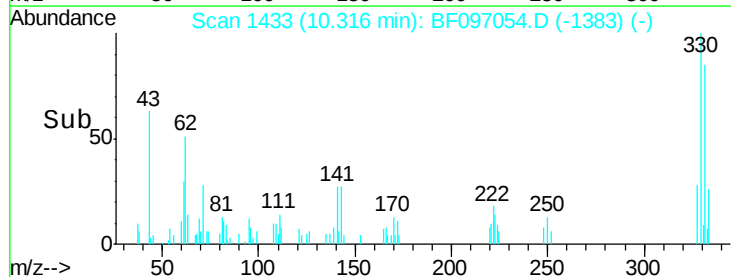
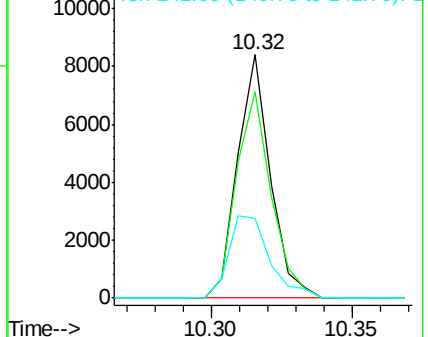
141 42.6 31.4 47.2

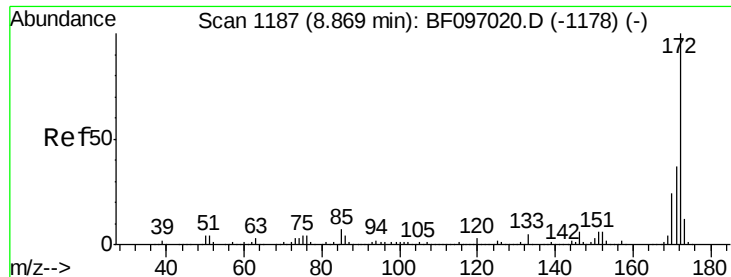


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

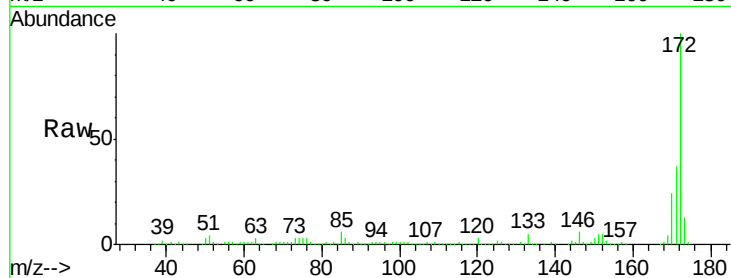




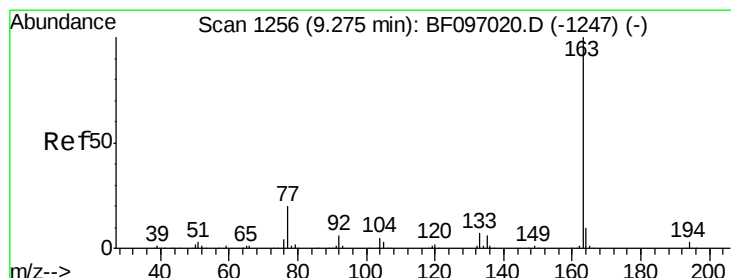
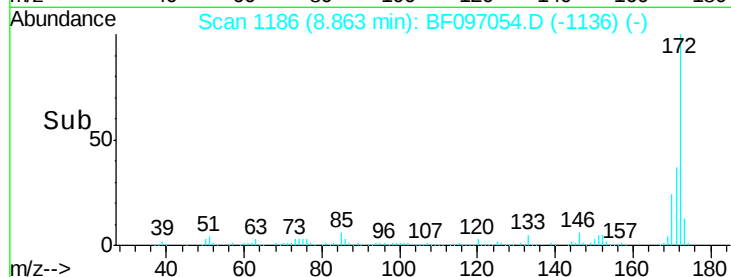
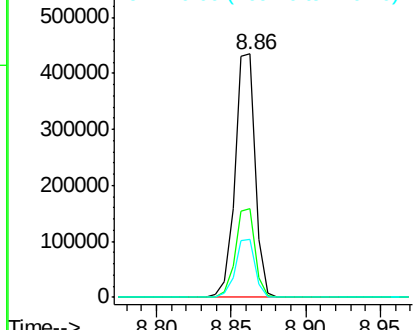
#44  
2-Fluorobiphenyl  
Concen: 33.48 ng  
RT: 8.86 min Scan# 1186  
Delta R.T. -0.01 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Instrument :  
BNA\_F  
ClientSampleId :  
B-COMB-3RE

Tot Ion:172 Resp: 413478  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 23.8 19.8 29.8

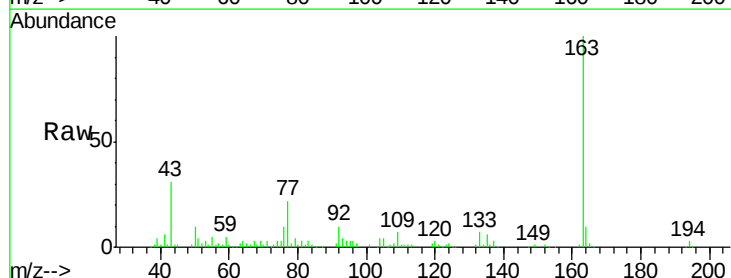


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

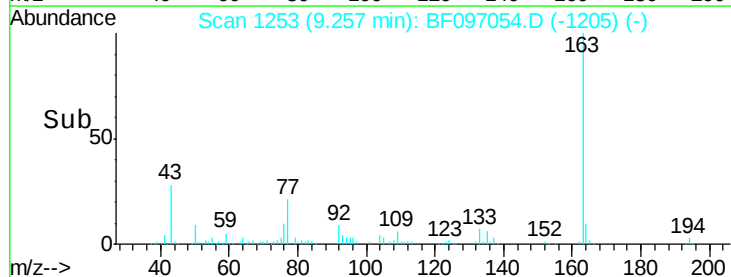
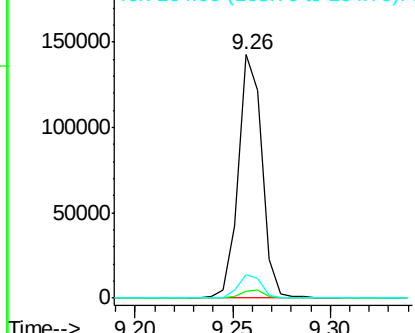


#49  
Dimethylphthalate  
Concen: 7.53 ng  
RT: 9.26 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Tgt Ion:163 Resp: 119861  
Ion Ratio Lower Upper  
163 100  
194 2.7 2.6 4.0  
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

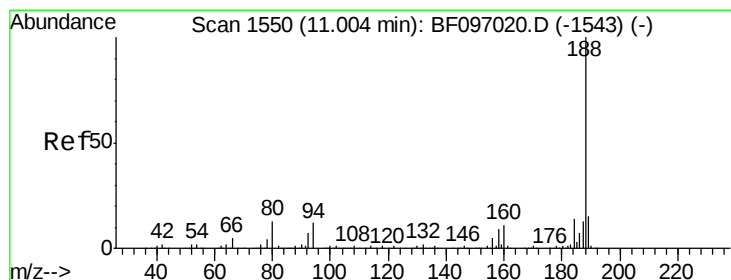
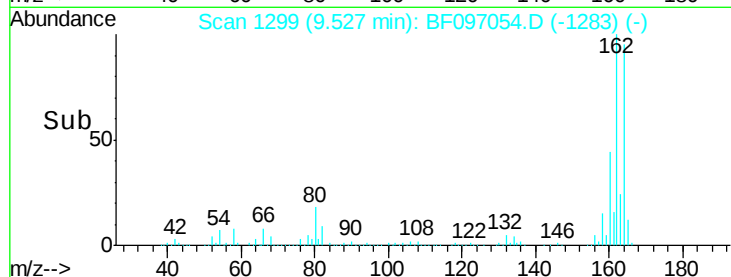
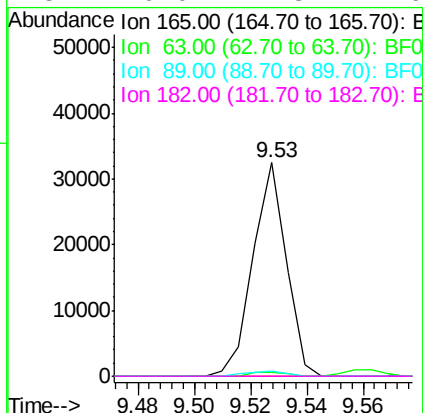
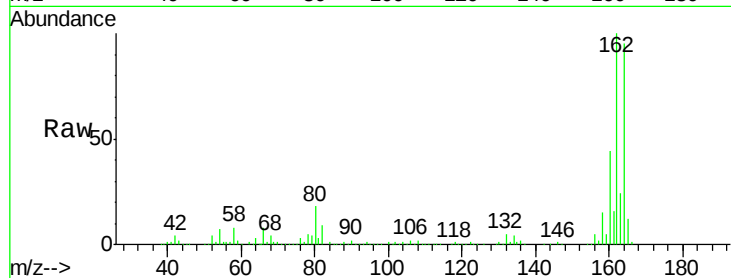




#56  
 2,4-Dinitrotoluene  
 Concen: 6.86 ng  
 RT: 9.53 min Scan# 1299  
 Delta R.T. -0.21 min  
 Lab File: BF097054.D  
 Acq: 26 Jul 2017 3:48

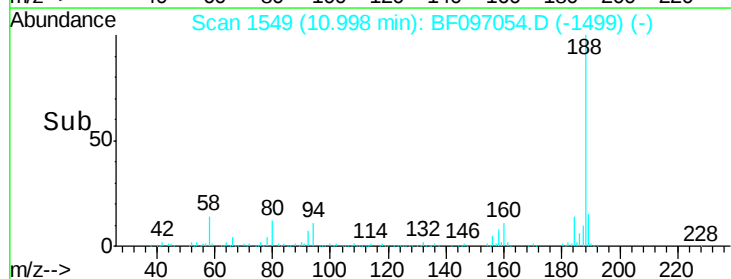
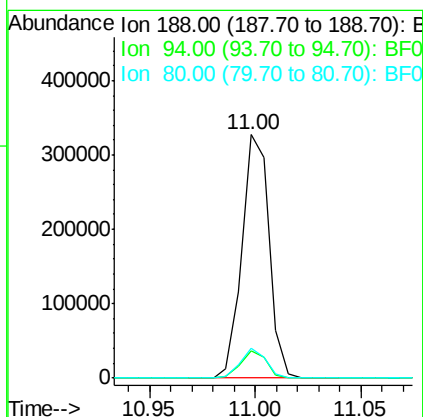
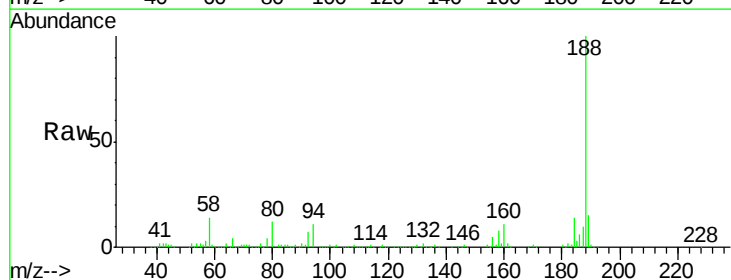
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-COMB-3RE

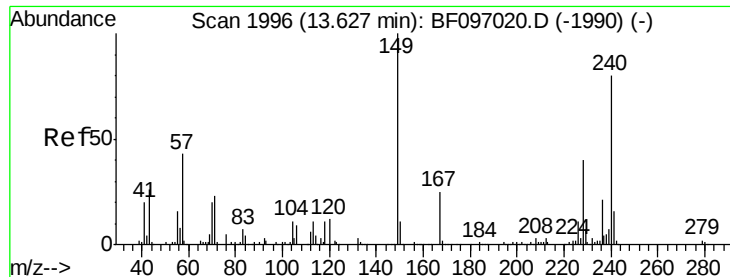
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 26634 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.6   | 25.4  | 38.0# |
| 89       | 2.3   | 46.4  | 69.6# |
| 182      | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.00 min Scan# 1549  
 Delta R.T. -0.01 min  
 Lab File: BF097054.D  
 Acq: 26 Jul 2017 3:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 291254 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 11.2  | 9.4   | 14.2   |
| 80       | 12.3  | 10.2  | 15.2   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

Instrument :

BNA\_F

ClientSampleId :

B-COMB-3RE

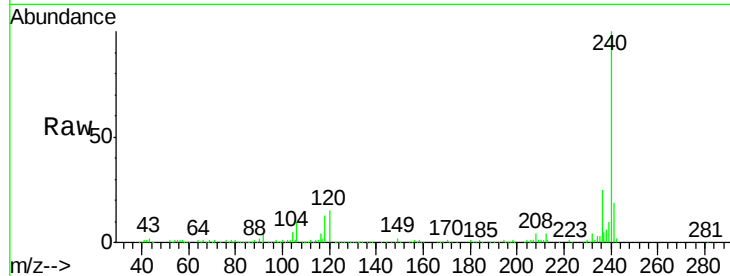
Tot Ion:240 Resp: 227167

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

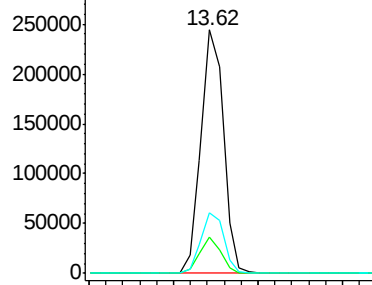
236 25.0 20.5 30.7



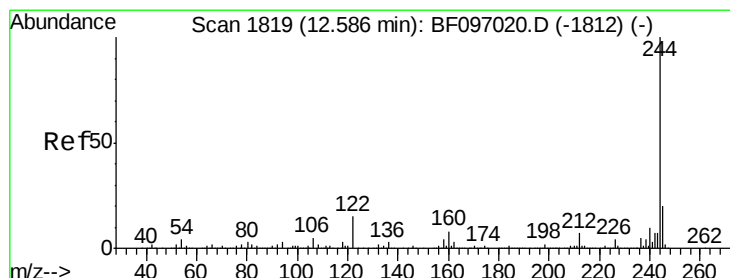
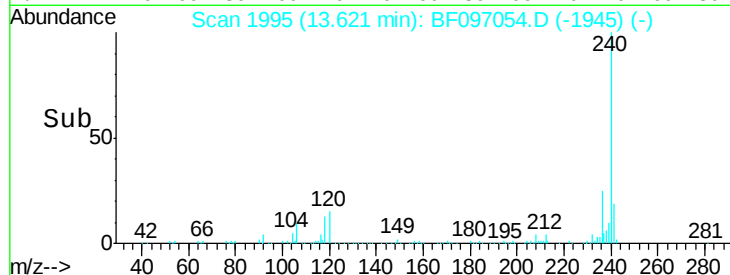
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.55 13.60 13.65 13.70



#78

Terphenyl-d14

Concen: 22.67 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097054.D

Acq: 26 Jul 2017 3:48

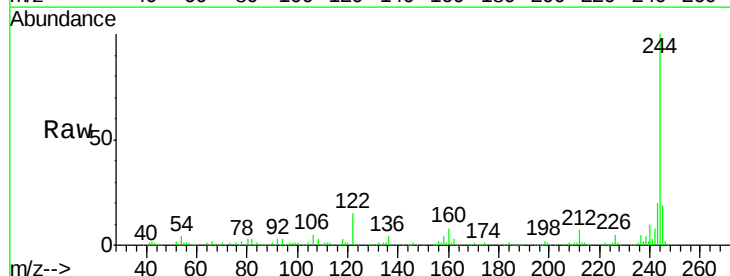
Tgt Ion:244 Resp: 252578

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

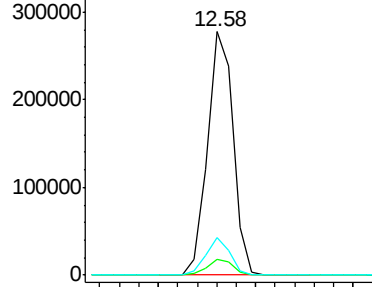
122 15.3 10.3 15.5



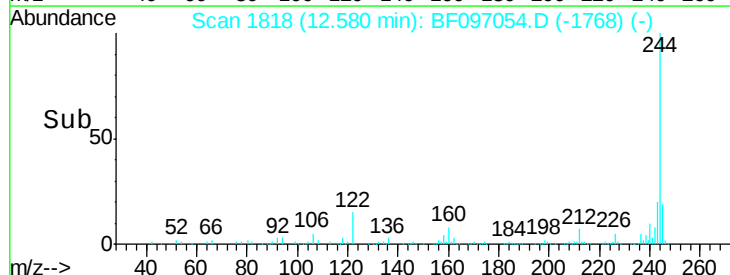
Abundance Ion 244.00 (243.70 to 244.70): E

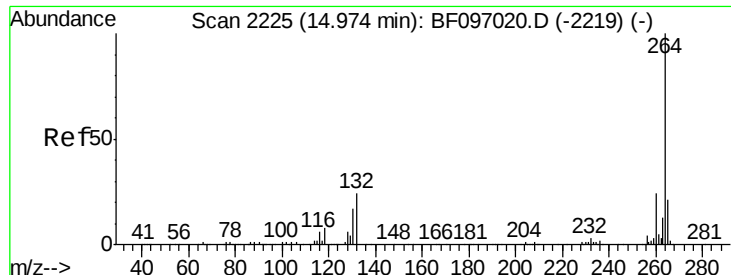
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.55 12.60 12.65

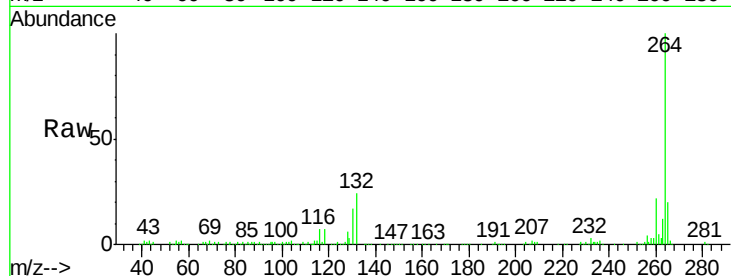




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 14.97 min Scan# 2225  
Delta R.T. -0.00 min  
Lab File: BF097054.D  
Acq: 26 Jul 2017 3:48

Instrument :  
BNA\_F  
ClientSampleId :  
B-COMB-3RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.7  | 19.5  | 29.3  |
| 265     | 20.1  | 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

