

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\  
 Data File : BF097471.D  
 Acq On : 8 Aug 2017 16:03  
 Operator : SJ/JU  
 Sample : I4610-12RE  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 08 17:56:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

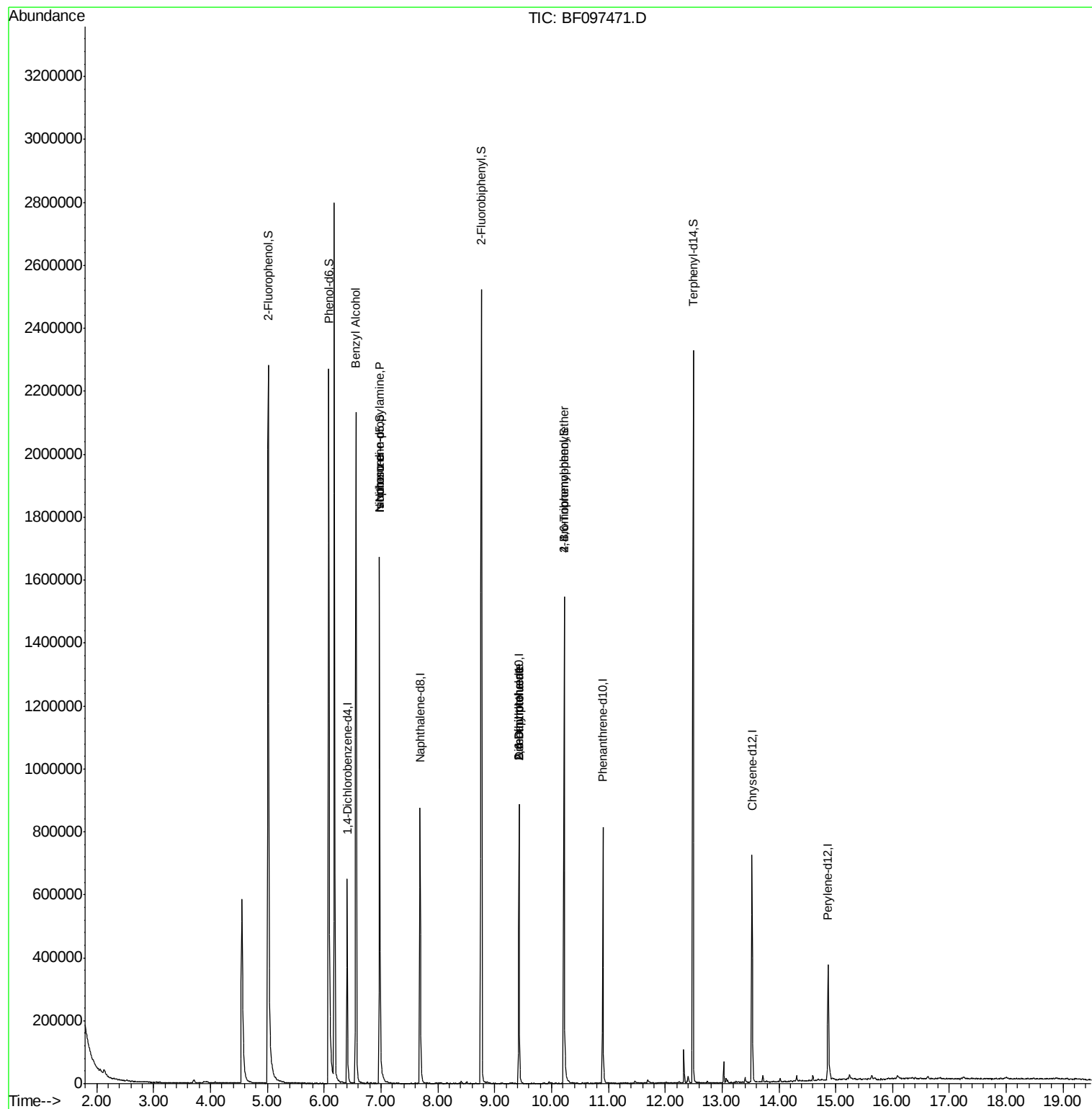
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.40  | 152  | 97772    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.69  | 136  | 426022   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.43  | 164  | 176675   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 10.90 | 188  | 303694   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.53 | 240  | 252641   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.87 | 264  | 169630   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.02  | 112  | 844436   | 130.20 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.08  | 99   | 909287   | 122.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 6.97  | 82   | 629509   | 86.68  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.22 | 330  | 201765   | 144.54 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.77  | 172  | 968410   | 93.02  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.49 | 244  | 833809   | 67.29  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.56  | 79   | 9697     | 2.069  | ng    | # 43     |
| 19) n-Nitroso-di-n-propylamine | 6.97  | 70   | 85632    | 17.570 | ng    | # 87     |
| 25) Isophorone                 | 6.97  | 82   | 629506   | 44.263 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.43  | 163  | 51644    | 3.849  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.43  | 165  | 22154    | 7.786  | ng    | # 33     |
| 56) 2,4-Dinitrotoluene         | 9.43  | 165  | 22154    | 6.772  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.22 | 248  | 12890    | 4.253  | ng    | # 1      |

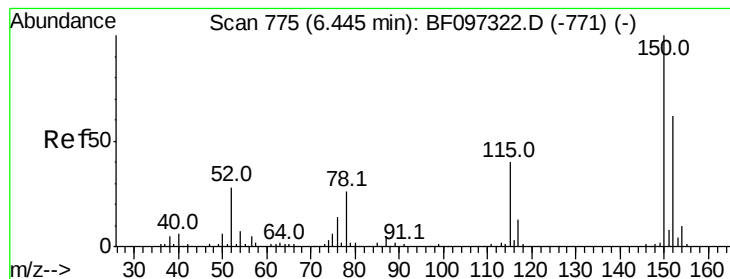
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\  
Data File : BF097471.D  
Acq On : 8 Aug 2017 16:03  
Operator : SJ/JU  
Sample : I4610-12RE  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Aug 08 17:56:50 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 07 16:02:51 2017  
Response via : Initial Calibration



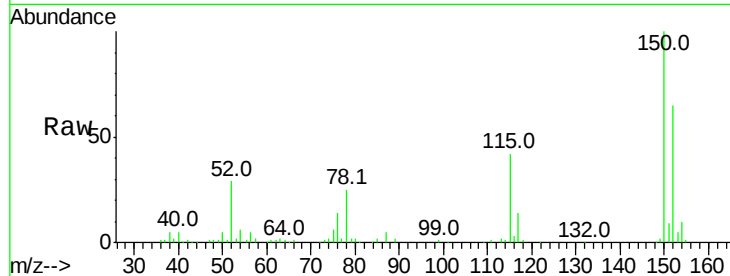


#1

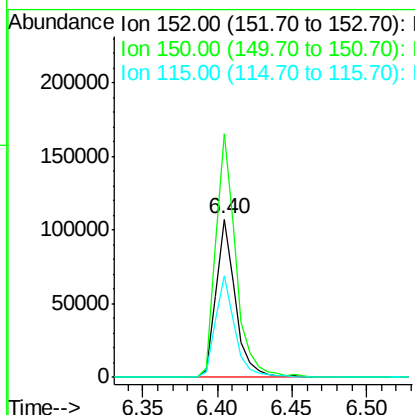
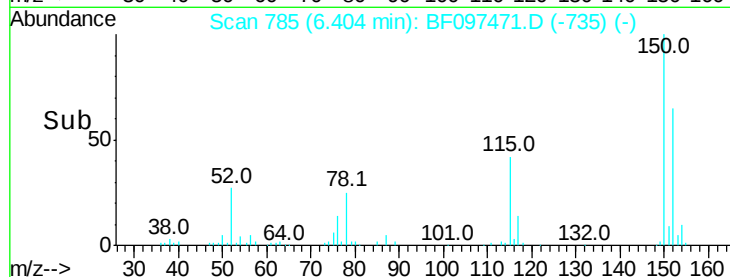
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.40 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 97772  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.2 189.2  
115 63.8 52.2 78.2



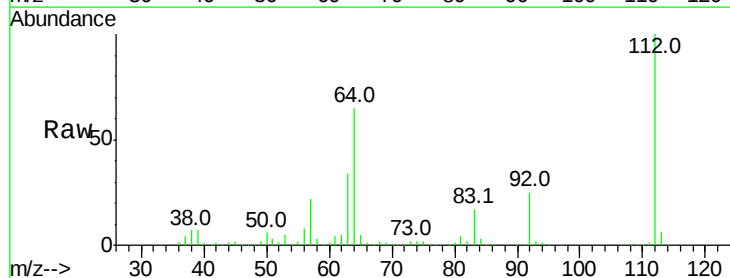
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



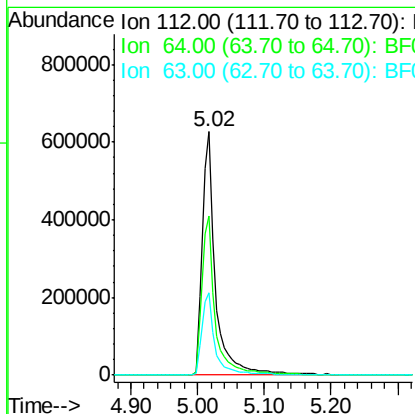
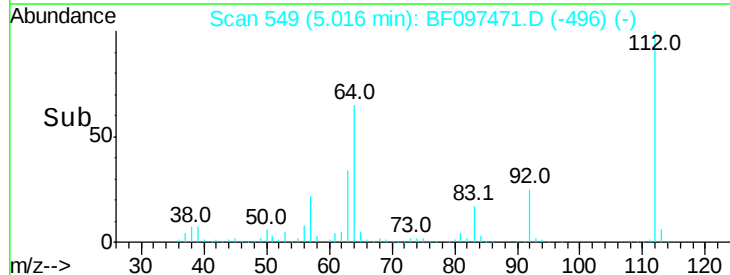
#5

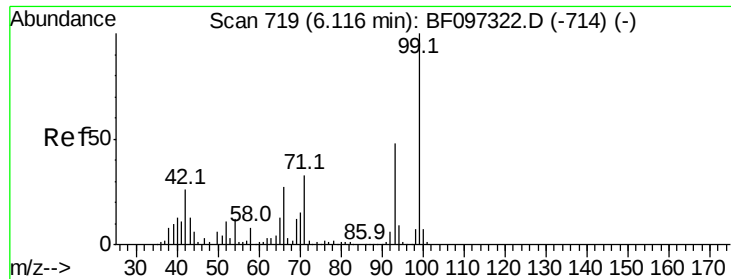
2-Fluorophenol  
Concen: 130.199 ng  
RT: 5.02 min Scan# 549  
Delta R.T. 0.01 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

Tgt Ion:112 Resp: 844436  
Ion Ratio Lower Upper  
112 100  
64 65.3 46.0 69.0  
63 33.8 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: 122.806 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

Instrument :

BNA\_F

ClientSampleId :

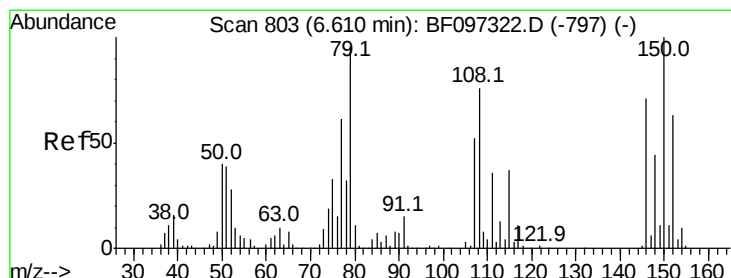
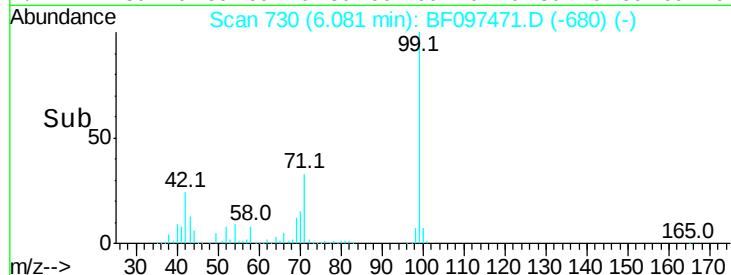
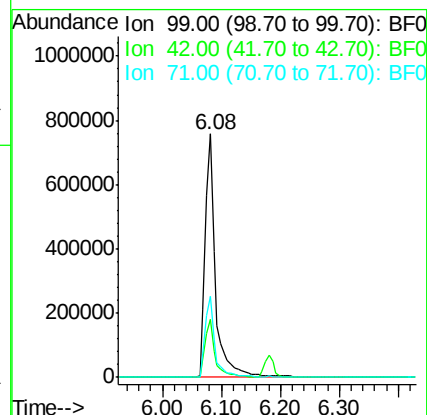
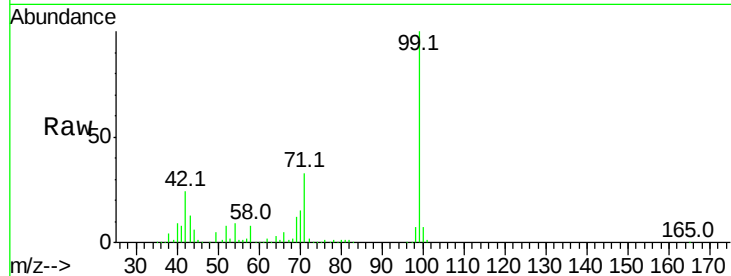
Tot Ion: 99 Resp: 909287

Ion Ratio Lower Upper

99 100

42 23.9 13.5 20.3#

71 33.2 24.5 36.7



#15

Benzyl Alcohol

Concen: 2.069 ng

RT: 6.56 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

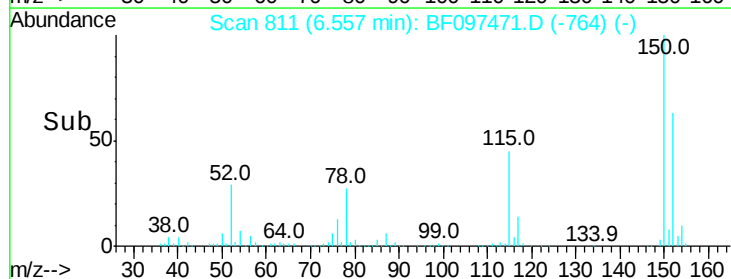
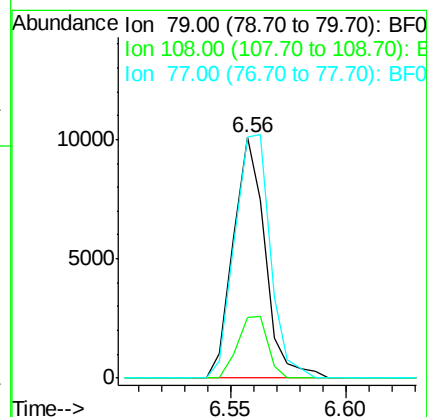
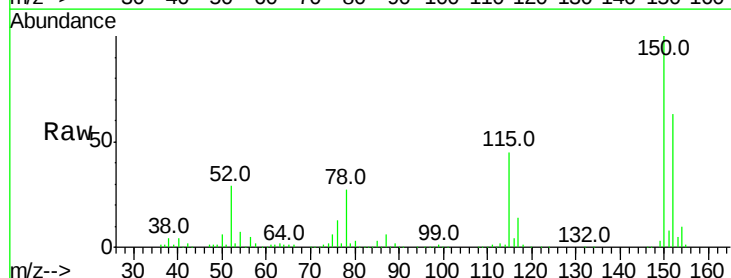
Tgt Ion: 79 Resp: 9697

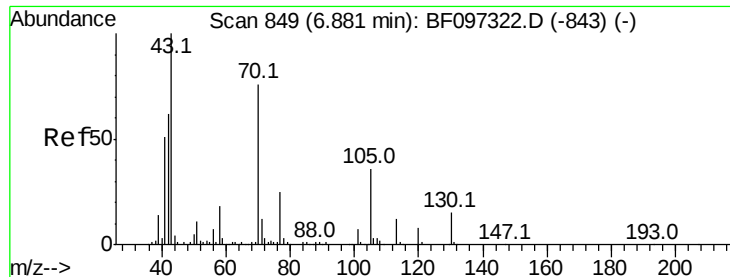
Ion Ratio Lower Upper

79 100

108 25.1 63.4 95.0#

77 99.9 49.2 73.8#

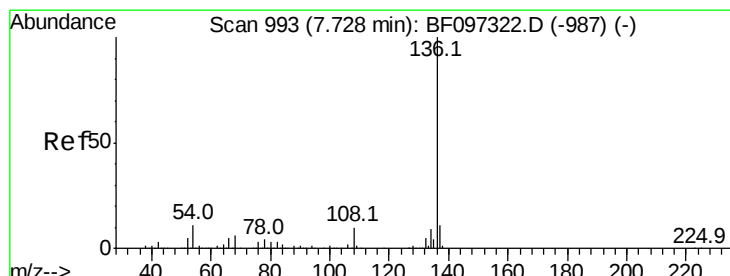
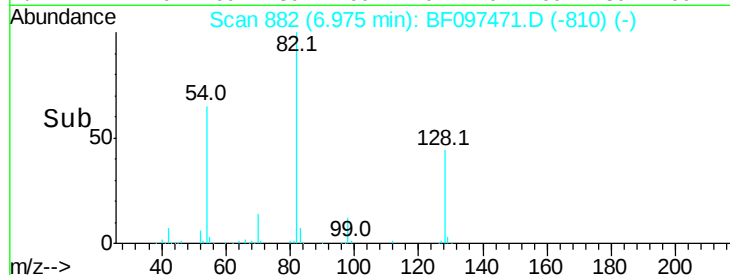
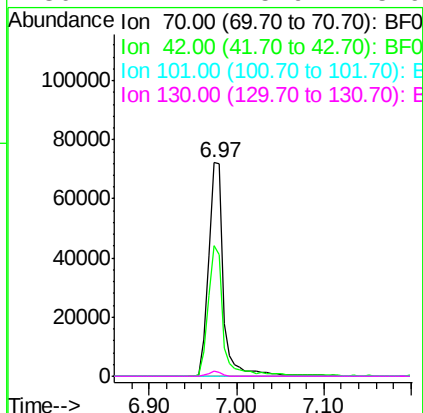
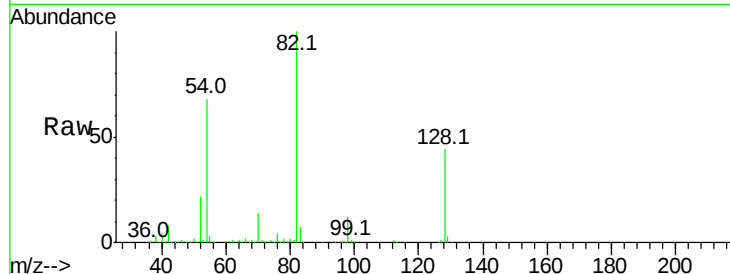




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.570 ng  
RT: 6.97 min Scan# 882  
Delta R.T. 0.12 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

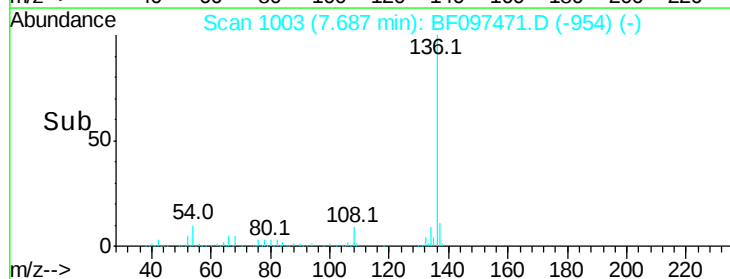
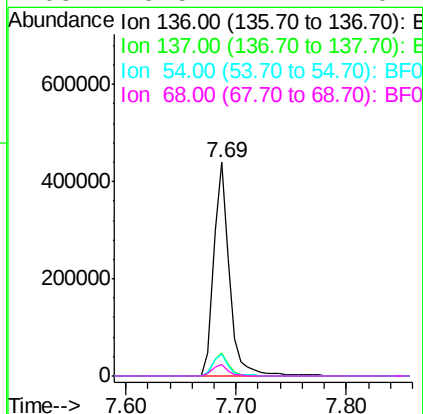
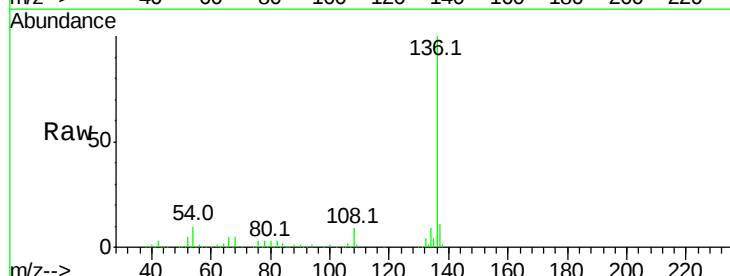
Instrument :  
BNA\_F  
ClientSampleId :

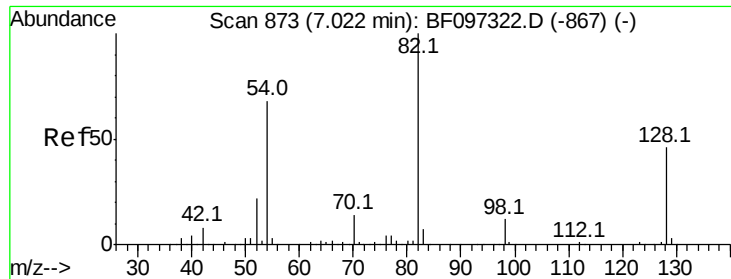
Tot Ion: 70 Resp: 85632  
Ion Ratio Lower Upper  
70 100  
42 61.1 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.2 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.69 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

Tgt Ion: 136 Resp: 426022  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.5 12.7  
54 9.9 4.9 7.3#  
68 5.5 4.1 6.1

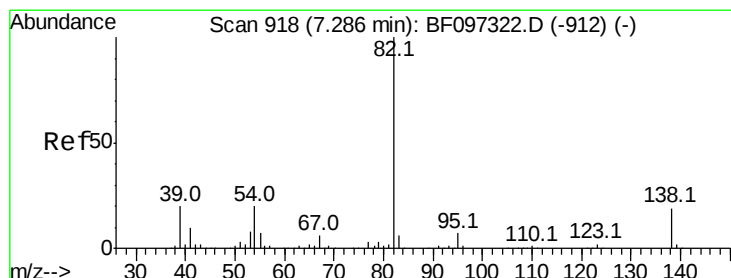
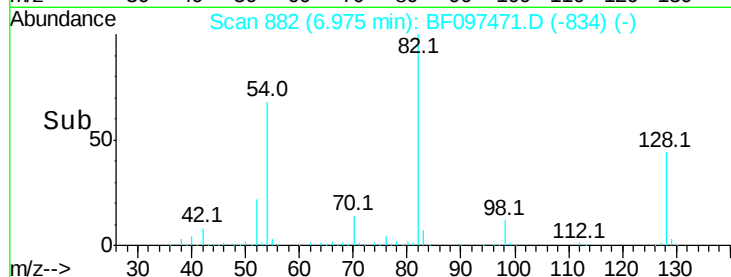
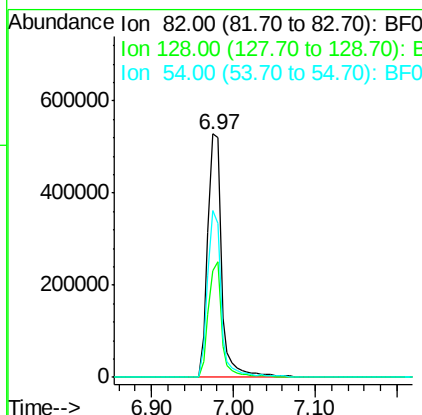
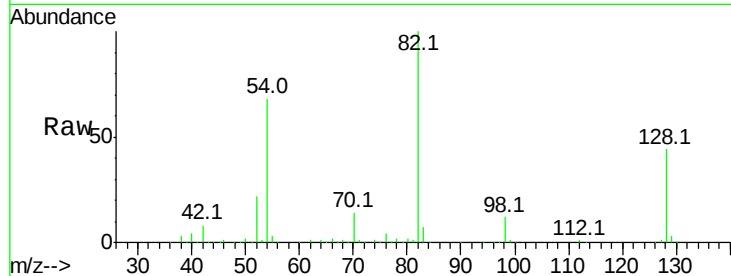




#23  
 Nitrobenzene-d5  
 Concen: 86.685 ng  
 RT: 6.97 min Scan# 882  
 Delta R.T. -0.02 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

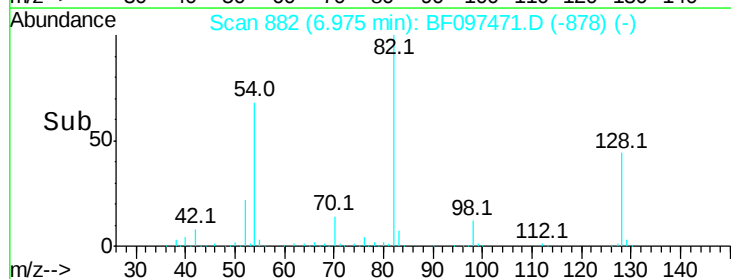
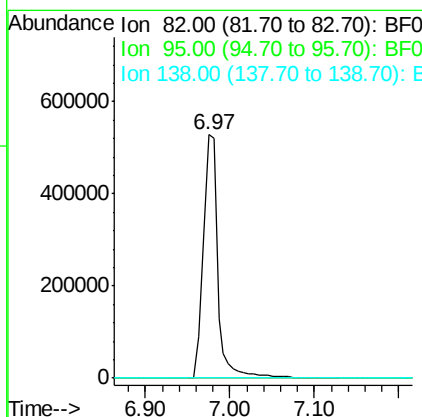
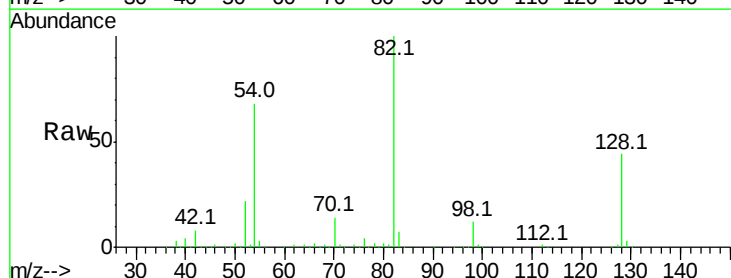
Instrument :  
 BNA\_F  
 ClientSampleId :

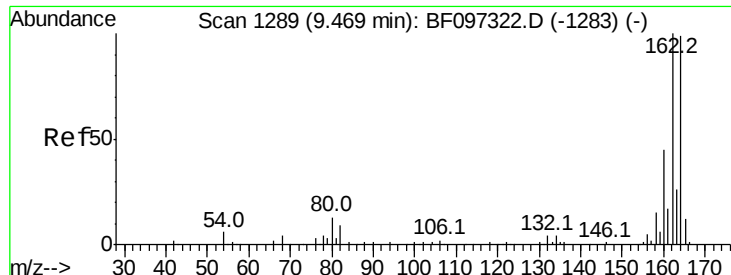
| Tot Ion   | 82    | Resp  | 629509 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.8  | 34.0  | 51.0   |
| 54        | 68.5  | 42.2  | 63.2#  |



#25  
 Isophorone  
 Concen: 44.263 ng  
 RT: 6.97 min Scan# 882  
 Delta R.T. -0.28 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

| Tgt Ion   | 82    | Resp  | 629506 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 0.0   | 5.3   | 7.9#   |
| 138       | 0.0   | 13.1  | 19.7#  |

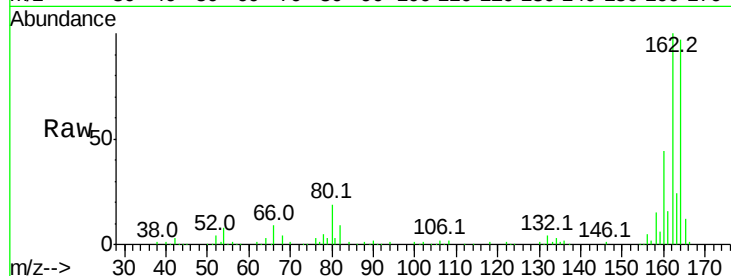




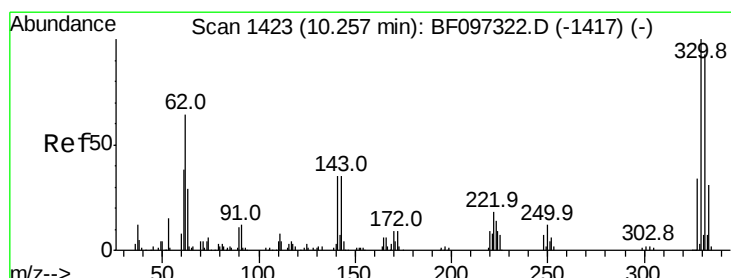
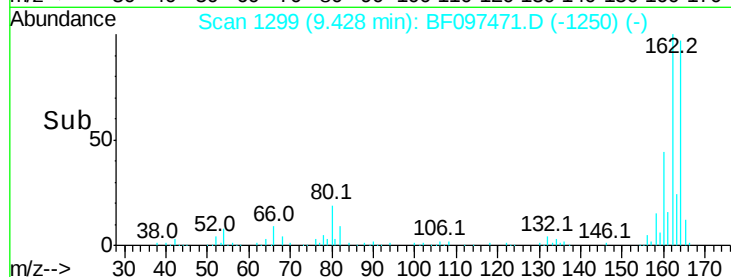
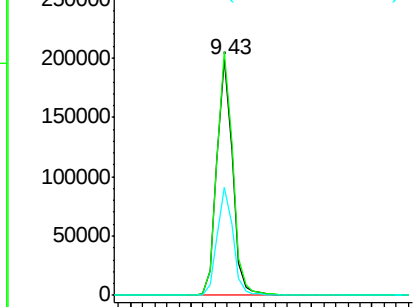
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.43 min Scan# 1299  
Delta R.T. -0.01 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 176675  
Ion Ratio Lower Upper  
164 100  
162 103.4 82.6 123.8  
160 46.0 36.2 54.2

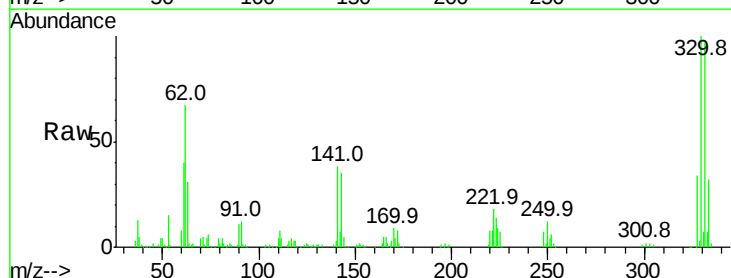


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

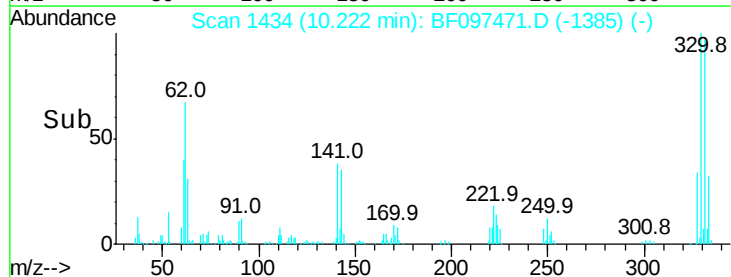
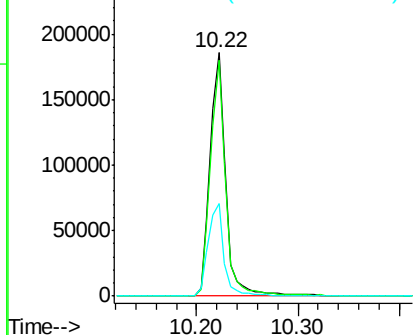


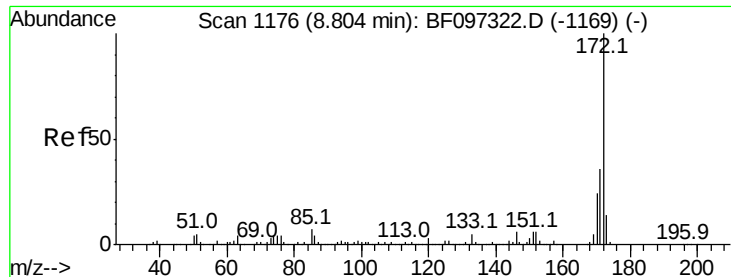
#41  
2,4,6-Tribromophenol  
Concen: 144.541 ng  
RT: 10.22 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BF097471.D  
Acq: 8 Aug 2017 16:03

Tgt Ion:330 Resp: 201765  
Ion Ratio Lower Upper  
330 100  
332 94.9 76.6 115.0  
141 38.2 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: 93.023 ng

RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

Instrument :

BNA\_F

ClientSampleId :

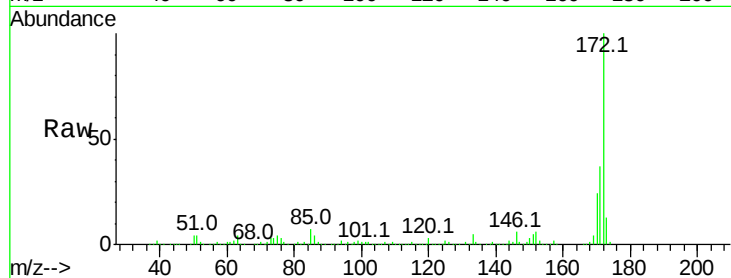
Tot Ion:172 Resp: 968410

Ion Ratio Lower Upper

172 100

171 37.1 29.6 44.4

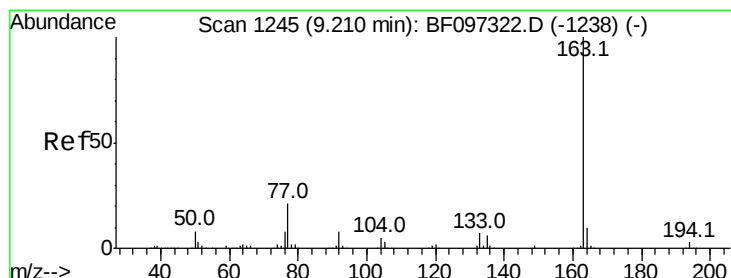
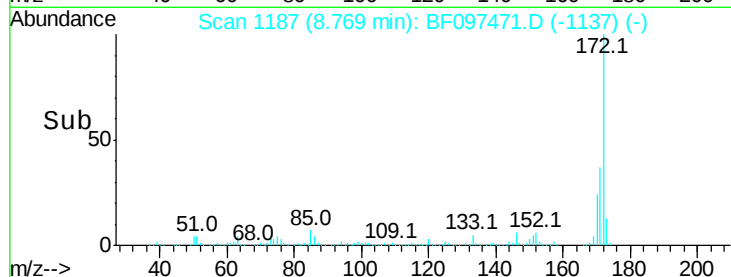
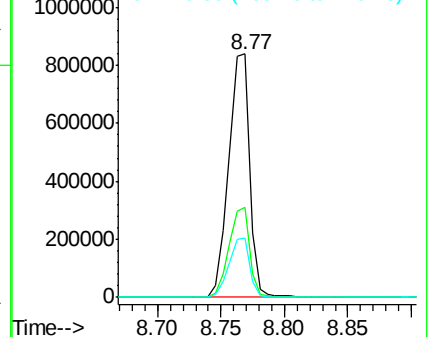
170 24.4 19.8 29.8



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: 3.849 ng

RT: 9.43 min Scan# 1299

Delta R.T. 0.24 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

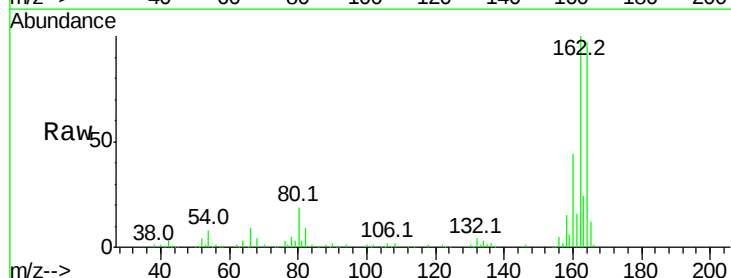
Tgt Ion:163 Resp: 51644

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

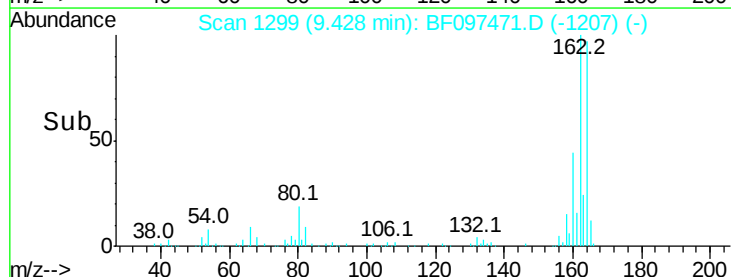
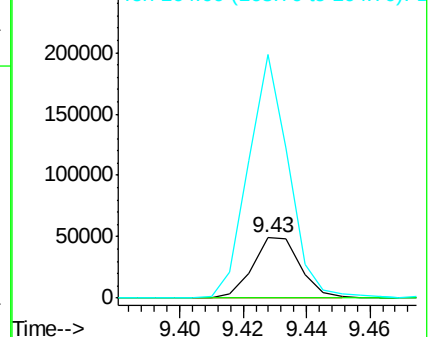
164 405.1 8.4 12.6#

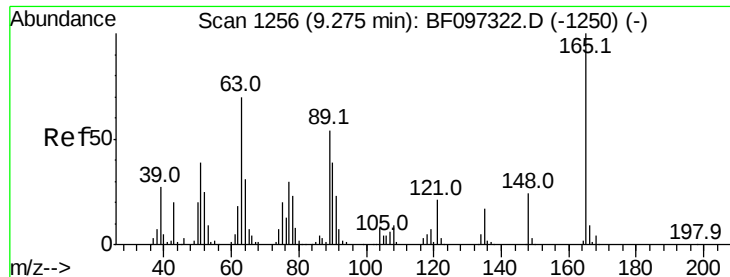


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

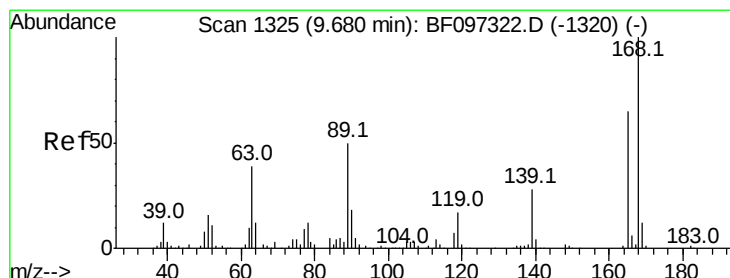
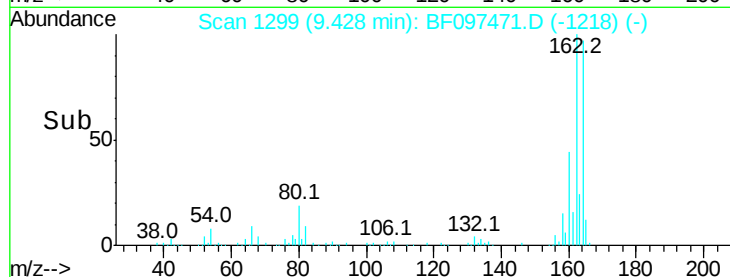
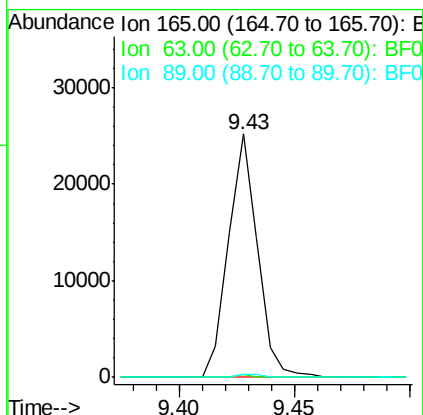
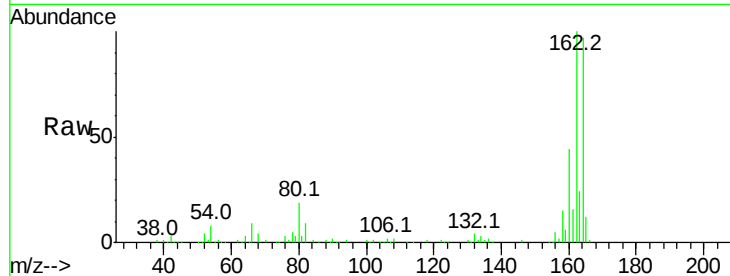




#50  
 2,6-Dinitrotoluene  
 Concen: 7.786 ng  
 RT: 9.43 min Scan# 1299  
 Delta R.T. 0.18 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

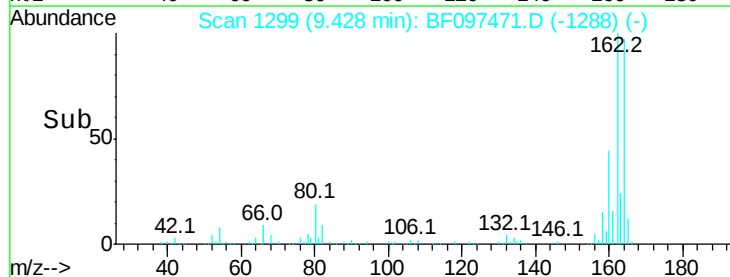
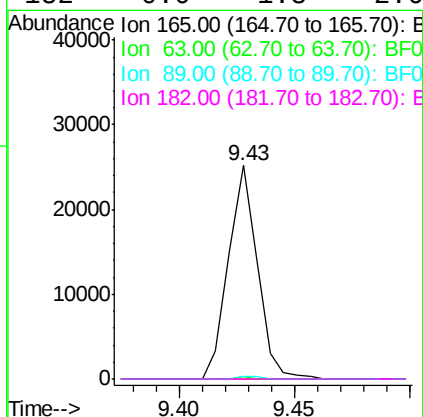
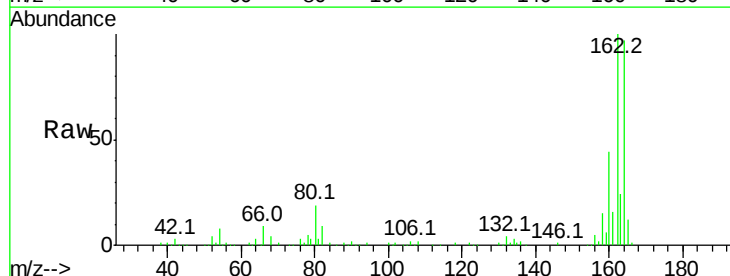
Instrument :  
 BNA\_F  
 ClientSampleId :

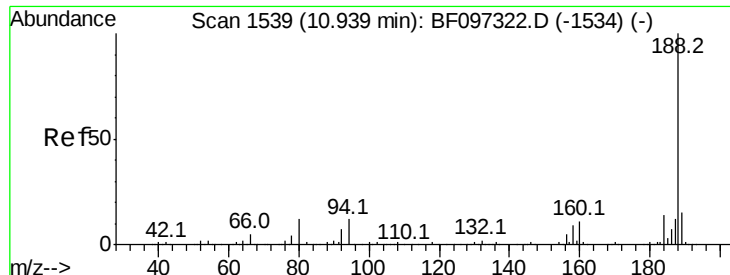
Tot Ion:165 Resp: 22154  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 34.3 51.5#  
 89 1.3 37.1 55.7#



#56  
 2,4-Dinitrotoluene  
 Concen: 6.772 ng  
 RT: 9.43 min Scan# 1299  
 Delta R.T. -0.24 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

Tgt Ion:165 Resp: 22154  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 25.4 38.0#  
 89 1.3 46.4 69.6#  
 182 0.0 1.8 2.6#

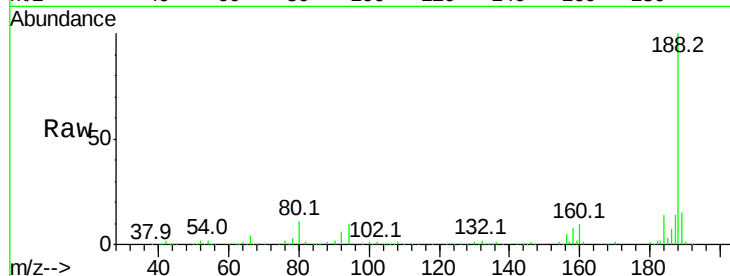




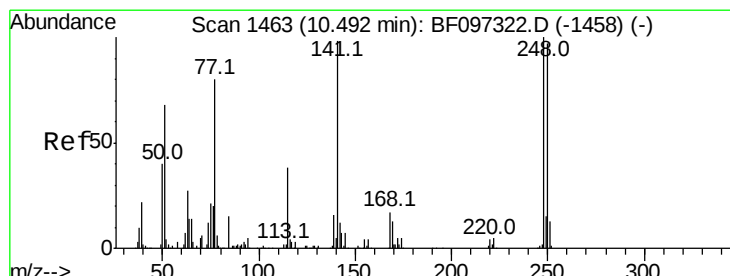
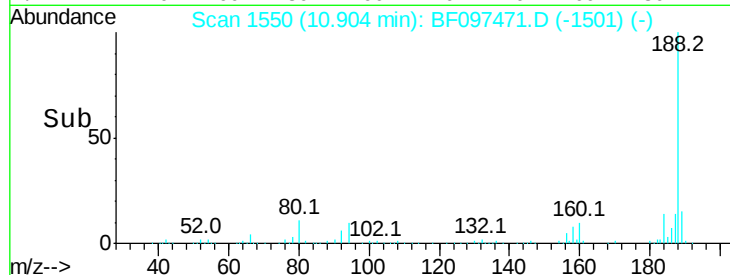
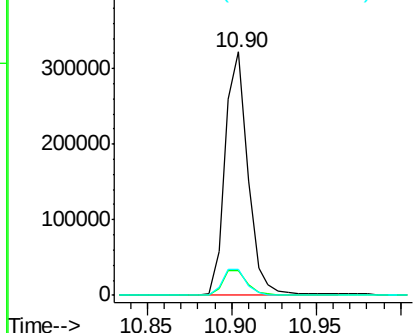
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 10.90 min Scan# 1550  
 Delta R.T. -0.01 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 303694  
 Ion Ratio Lower Upper  
 188 100  
 94 10.3 9.4 14.2  
 80 10.8 10.2 15.2

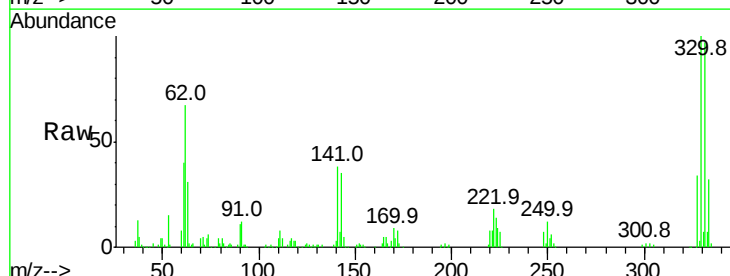


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

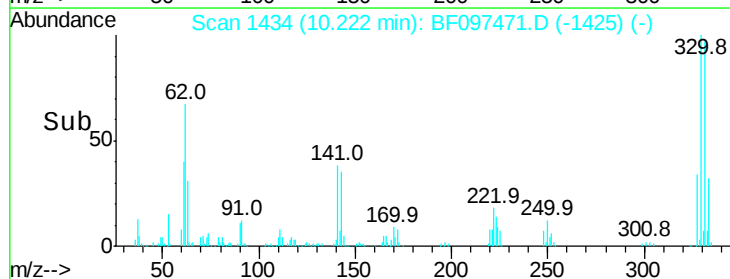
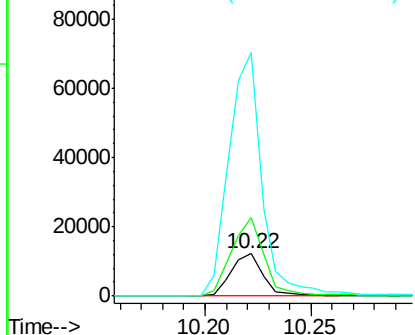


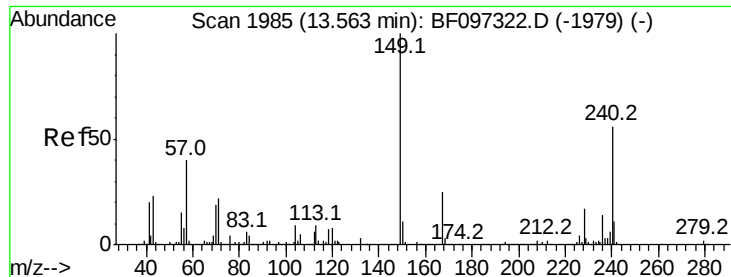
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.253 ng  
 RT: 10.22 min Scan# 1434  
 Delta R.T. -0.25 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

Tgt Ion:248 Resp: 12890  
 Ion Ratio Lower Upper  
 248 100  
 250 186.6 76.8 115.2#  
 141 576.9 68.6 103.0#



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: 20.000 ng

RT: 13.53 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

Instrument :

BNA\_F

ClientSampleId :

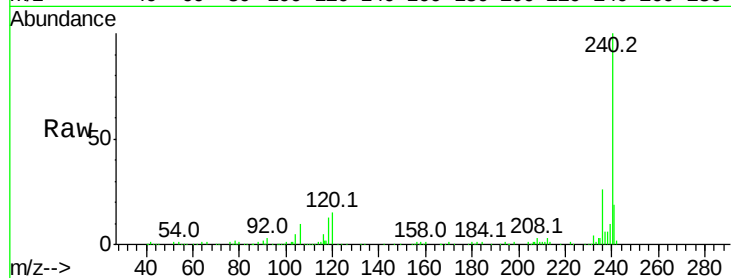
Tot Ion:240 Resp: 252641

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

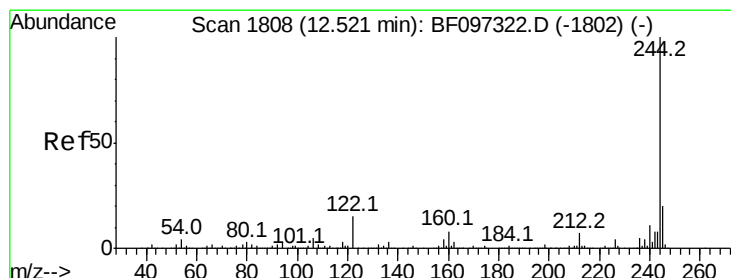
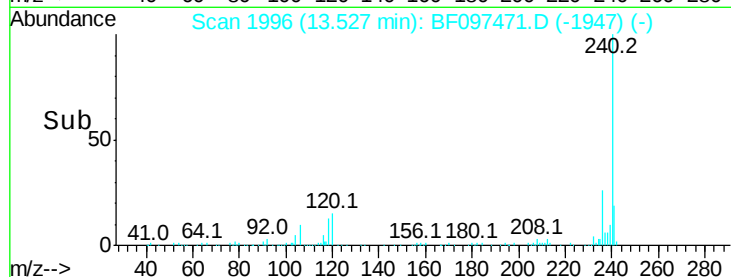
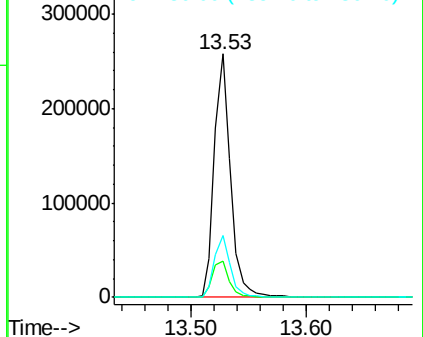
236 25.5 20.5 30.7



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



#78

Terphenyl-d14

Concen: 67.290 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097471.D

Acq: 8 Aug 2017 16:03

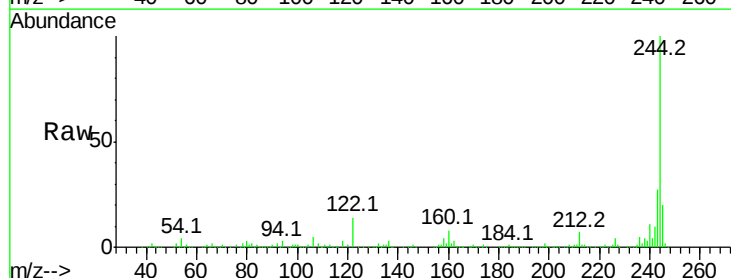
Tgt Ion:244 Resp: 833809

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

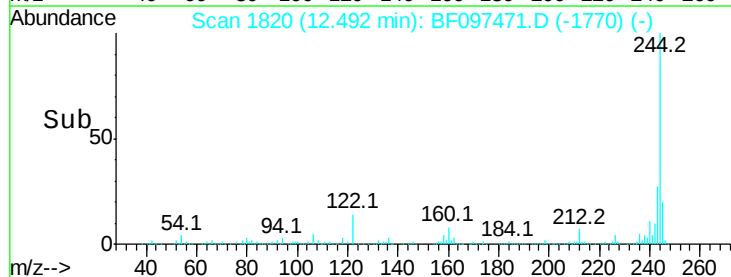
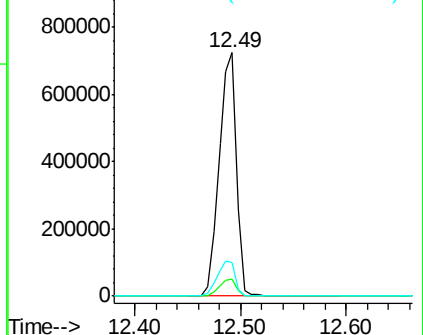
122 13.9 10.3 15.5

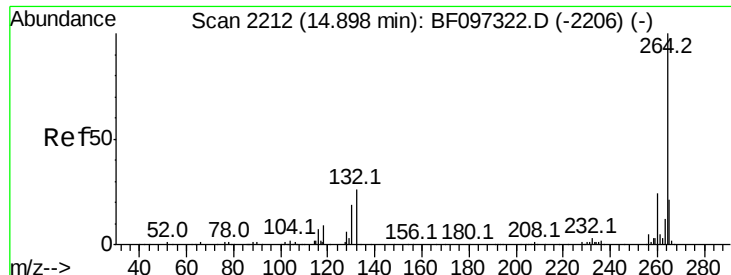


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

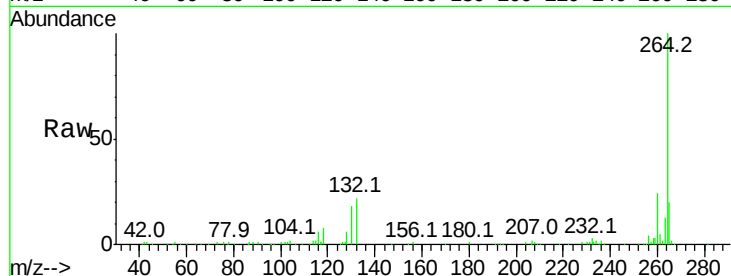




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 14.87 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: BF097471.D  
 Acq: 8 Aug 2017 16:03

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.5  | 29.3  |
| 265     | 20.3  | 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

