

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\  
 Data File : BF097126.D  
 Acq On : 27 Jul 2017 16:56  
 Operator : SJ/JU  
 Sample : PB101001BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 27 17:22:49 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 27 16:02:47 2017  
 Response via : Initial Calibration

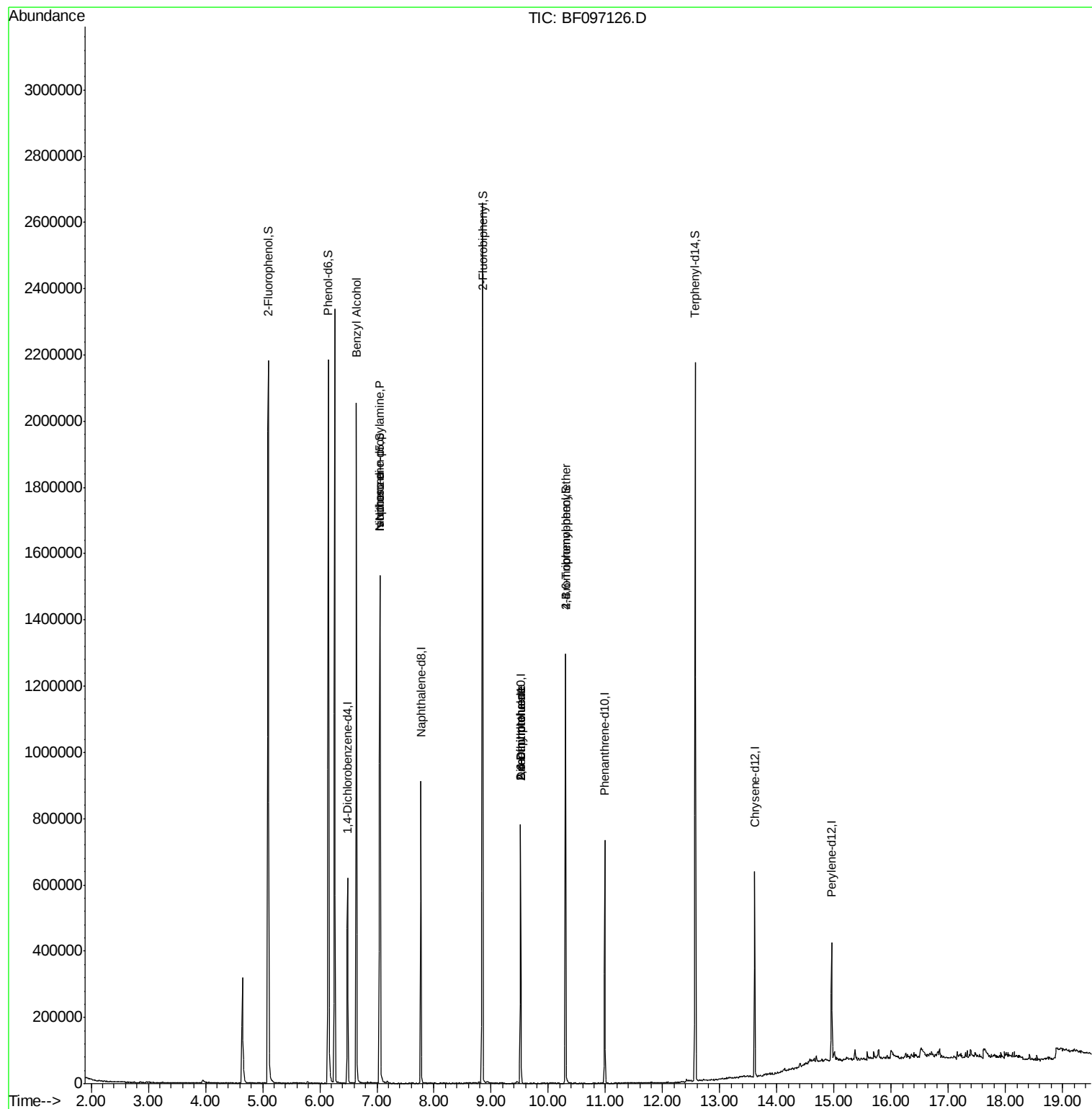
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.49  | 152  | 88102    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.77  | 136  | 400708   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.52  | 164  | 162233   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 10.99 | 188  | 251133   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.61 | 240  | 193996   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 14.96 | 264  | 144284   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.10  | 112  | 660244   | 112.97 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.15  | 99   | 847061   | 126.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.05  | 82   | 525127   | 76.88  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.30 | 330  | 152262   | 118.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.85  | 172  | 946682   | 99.03  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.57 | 244  | 680571   | 71.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.64  | 79   | 9222     | 2.183  | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.05  | 70   | 69966    | 15.931 | ng    | # 88     |
| 25) Isophorone                 | 7.05  | 82   | 525121   | 39.256 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.52  | 163  | 49271    | 3.999  | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.52  | 165  | 20605    | 7.886  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.52  | 165  | 20605    | 6.860  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.30 | 248  | 9285     | 3.705  | ng    | # 1      |

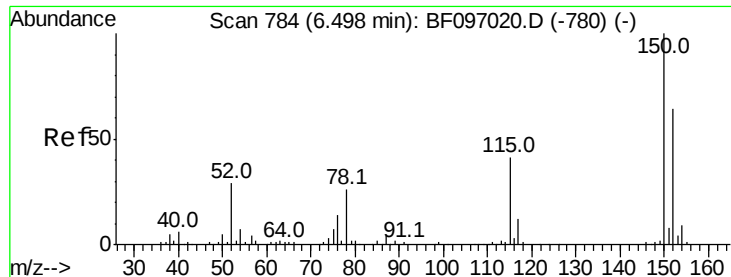
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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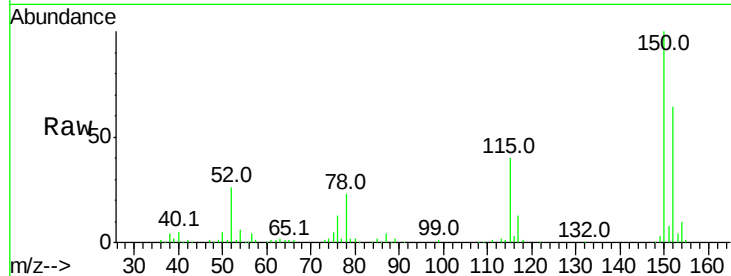


#1

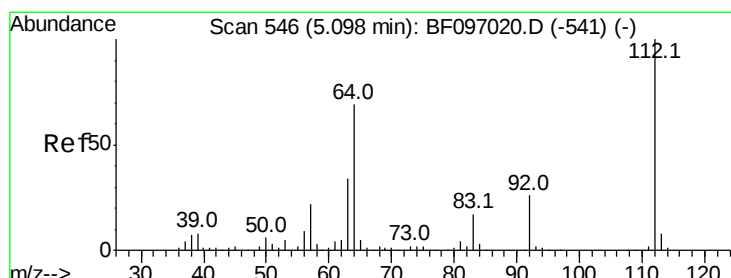
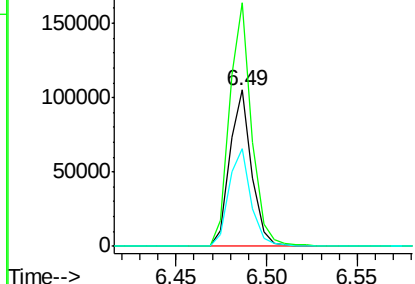
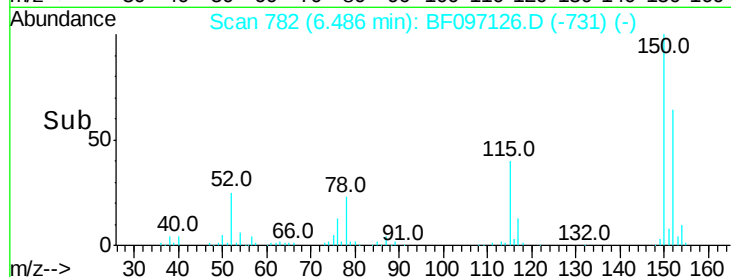
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.49 min Scan# 782  
Delta R.T. 0.00 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 88102  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.2 189.2  
115 62.9 52.2 78.2



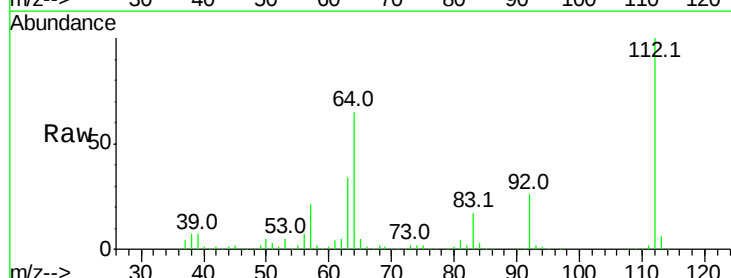
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



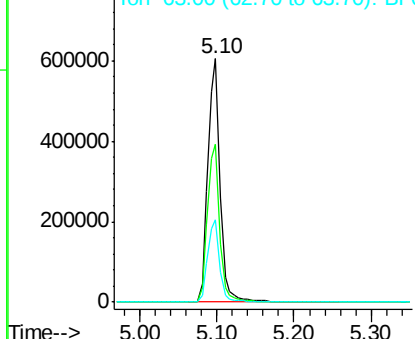
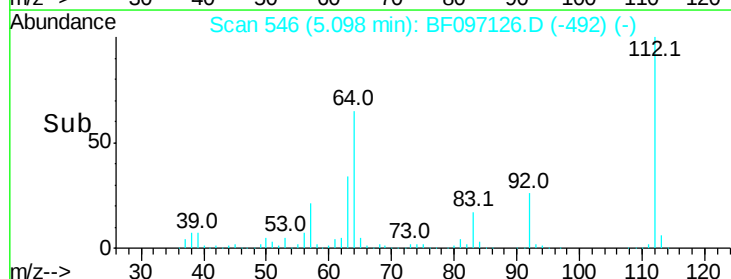
#5

2-Fluorophenol  
Concen: 112.972 ng  
RT: 5.10 min Scan# 546  
Delta R.T. 0.02 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Tgt Ion:112 Resp: 660244  
Ion Ratio Lower Upper  
112 100  
64 64.6 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: 126.958 ng

RT: 6.15 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

Instrument :

BNA\_F

ClientSampleId :

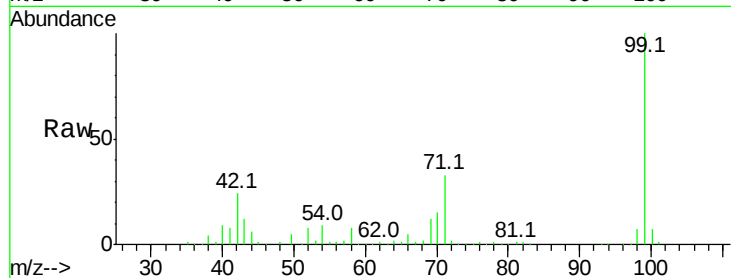
Tot Ion: 99 Resp: 847061

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

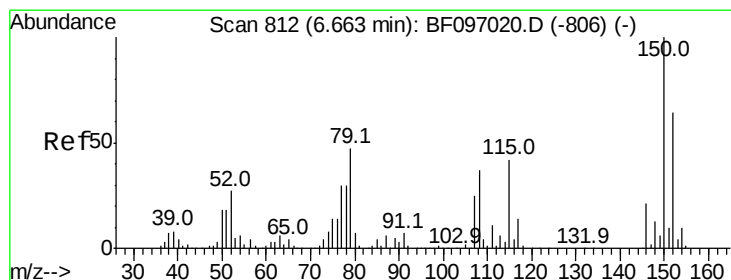
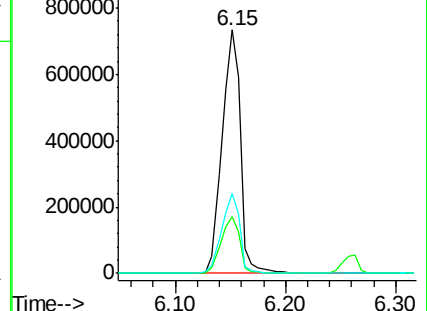
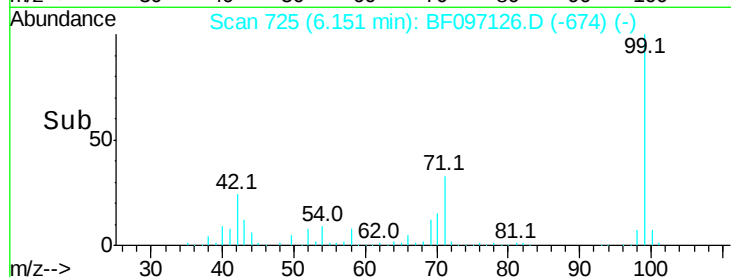
71 32.8 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.183 ng

RT: 6.64 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

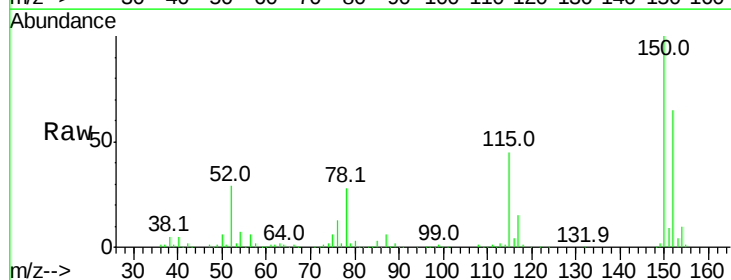
Tgt Ion: 79 Resp: 9222

Ion Ratio Lower Upper

79 100

108 26.3 63.4 95.0#

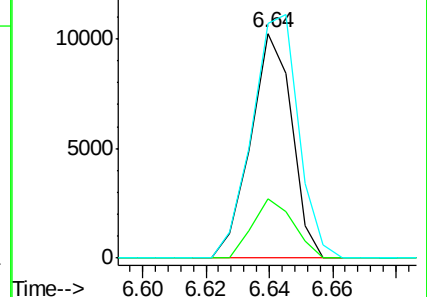
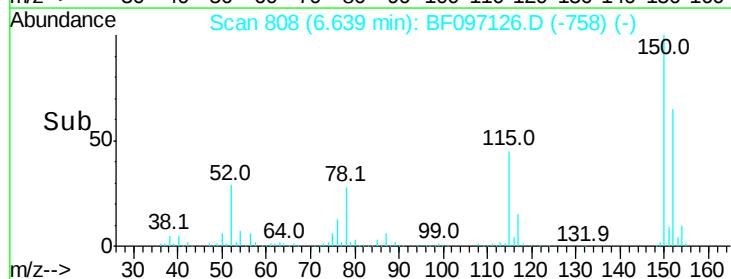
77 104.5 49.2 73.8#

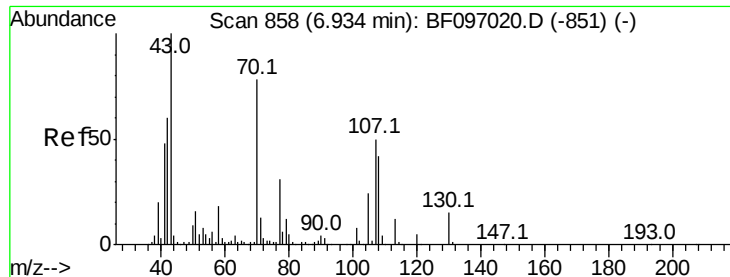


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

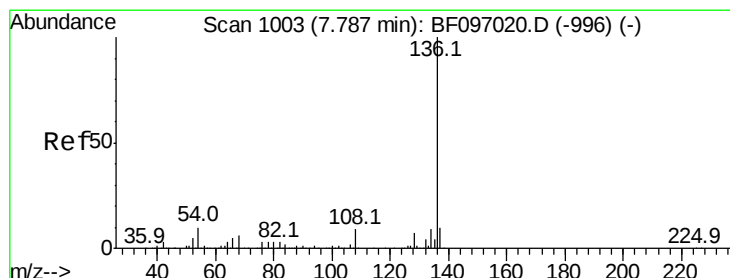
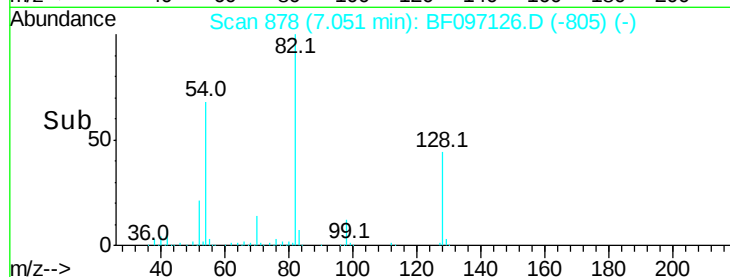
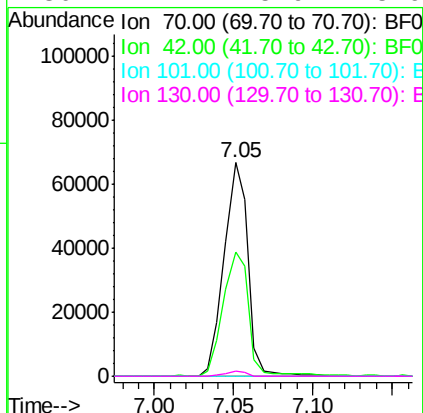
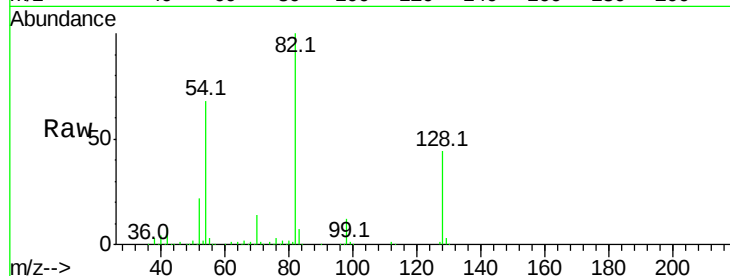




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.931 ng  
RT: 7.05 min Scan# 878  
Delta R.T. 0.13 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

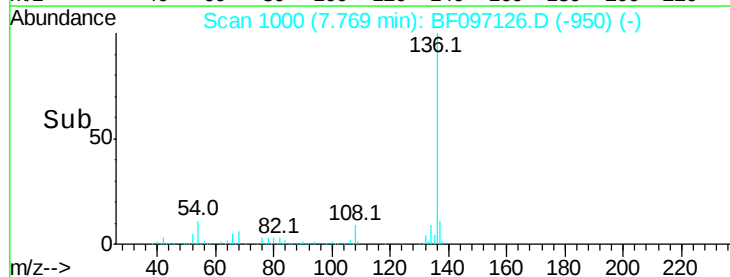
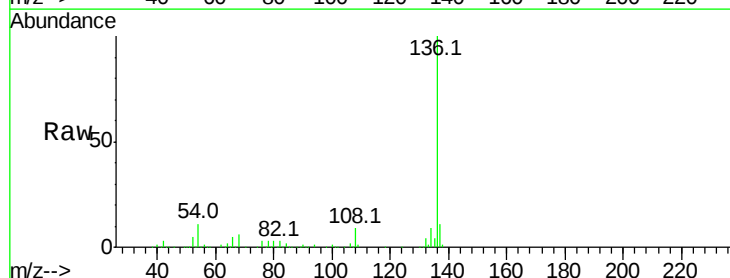
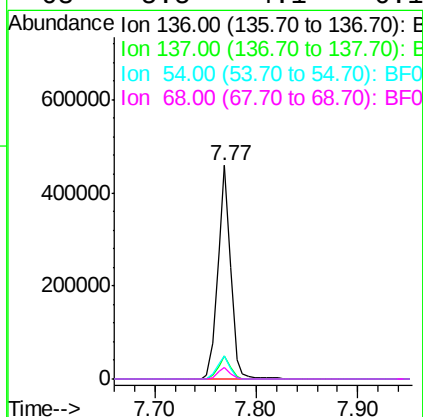
Instrument :  
BNA\_F  
ClientSampled :

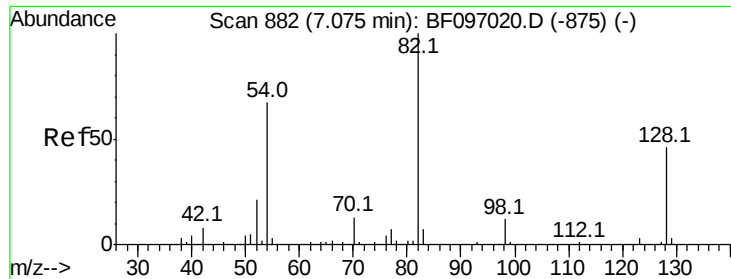
Tot Ion: 70 Resp: 69966  
Ion Ratio Lower Upper  
70 100  
42 58.2 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.7 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.77 min Scan# 1000  
Delta R.T. -0.01 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Tgt Ion:136 Resp: 400708  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.5 12.7  
54 10.7 4.9 7.3#  
68 5.5 4.1 6.1

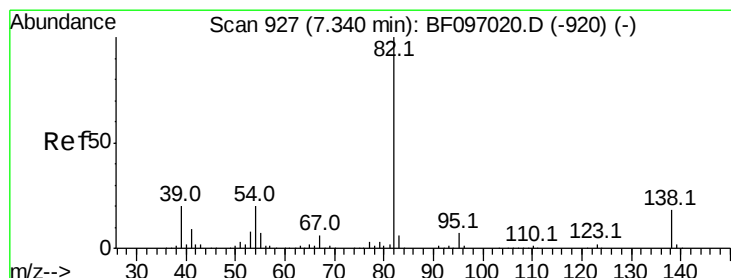
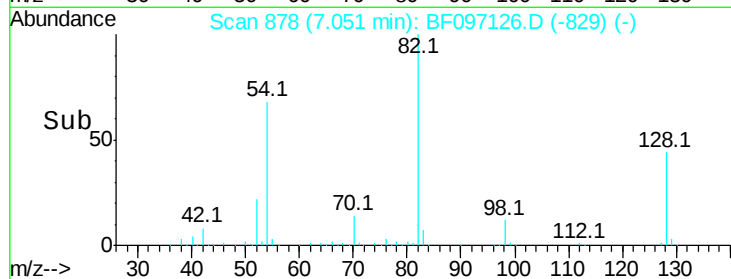
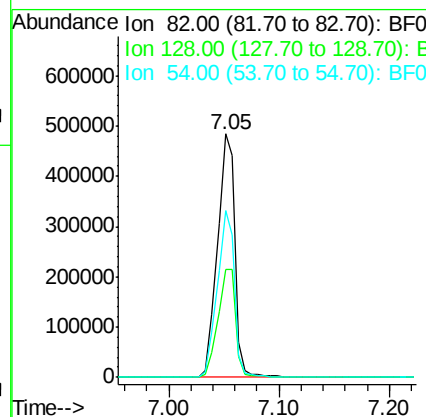
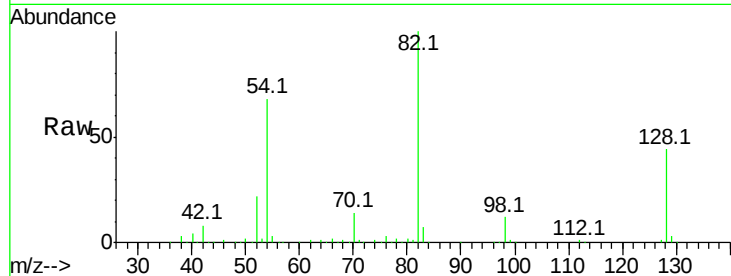




#23  
Nitrobenzene-d5  
Concen: 76.879 ng  
RT: 7.05 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

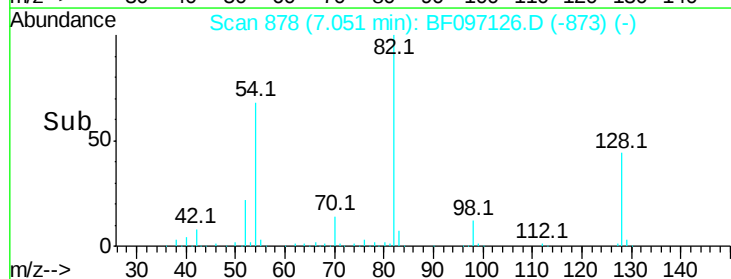
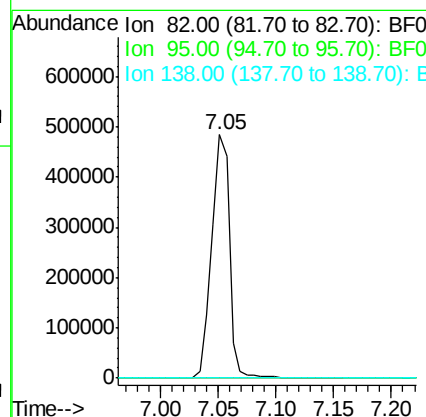
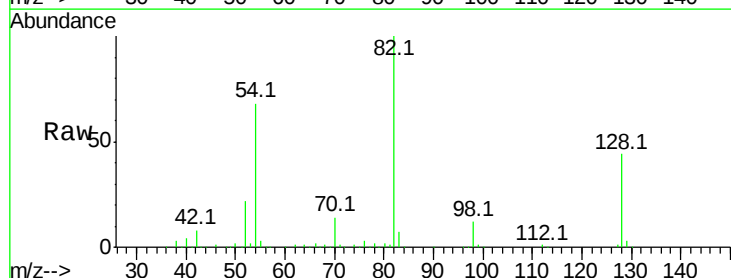
Instrument :  
BNA\_F  
ClientSampleId :

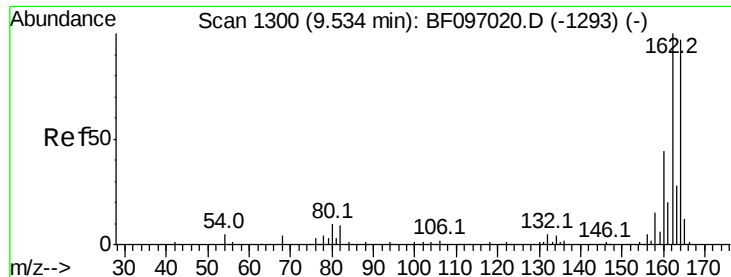
Tot Ion: 82 Resp: 525127  
Ion Ratio Lower Upper  
82 100  
128 44.3 34.0 51.0  
54 68.3 42.2 63.2#



#25  
Isophorone  
Concen: 39.256 ng  
RT: 7.05 min Scan# 878  
Delta R.T. -0.27 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Tgt Ion: 82 Resp: 525121  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.3 7.9#  
138 0.0 13.1 19.7#

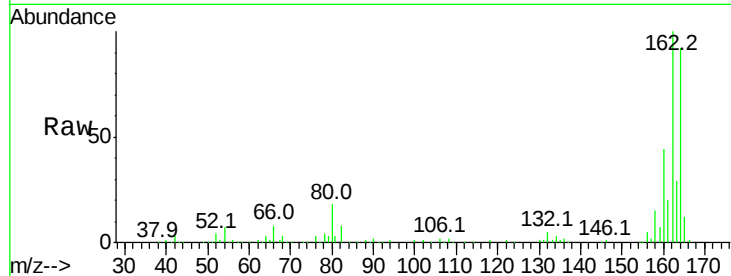




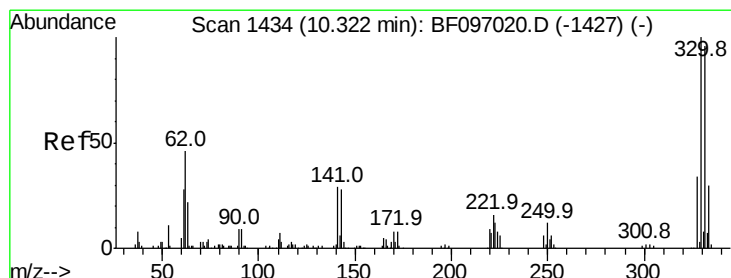
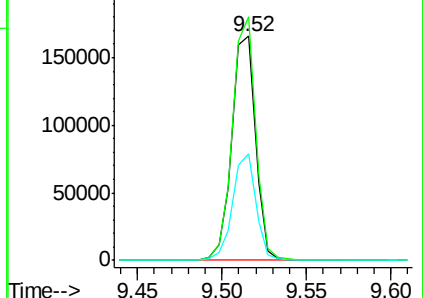
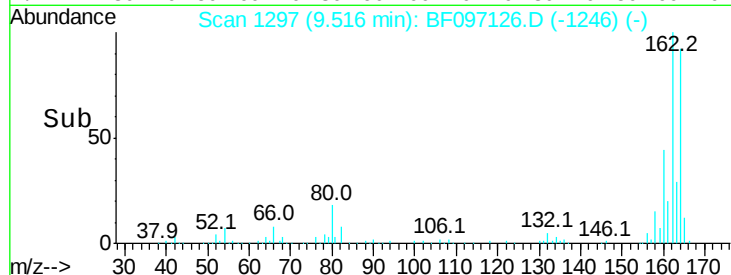
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.52 min Scan# 1297  
 Delta R.T. 0.00 min  
 Lab File: BF097126.D  
 Acq: 27 Jul 2017 16:56

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:164 Resp: 162233  
 Ion Ratio Lower Upper  
 164 100  
 162 108.6 82.6 123.8  
 160 47.3 36.2 54.2

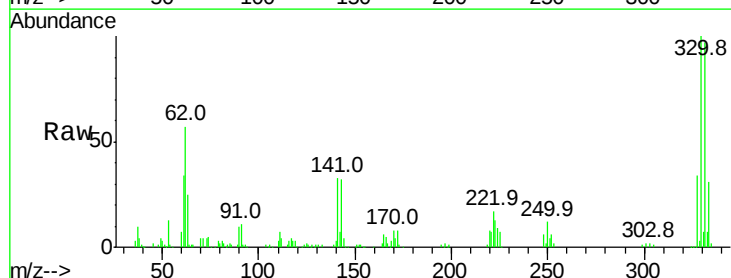


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

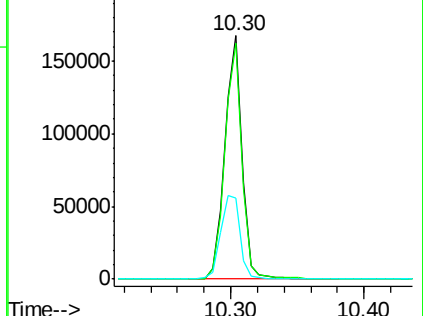
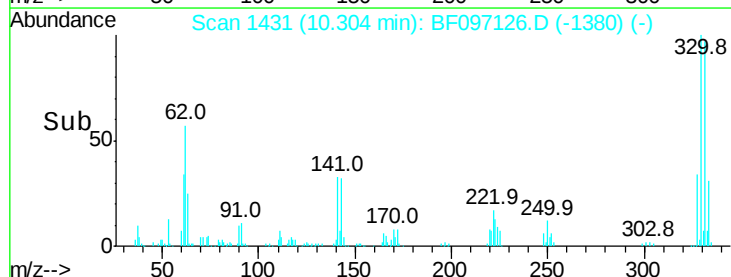


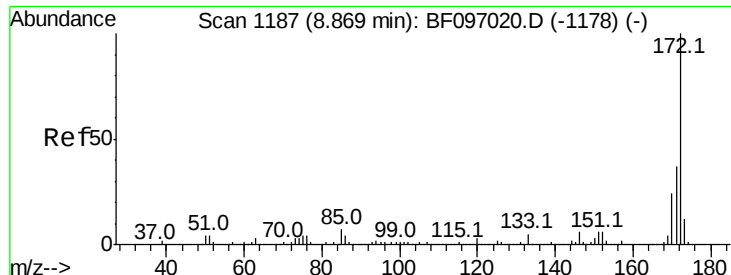
#41  
 2,4,6-Tribromophenol  
 Concen: 118.788 ng  
 RT: 10.30 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: BF097126.D  
 Acq: 27 Jul 2017 16:56

Tgt Ion:330 Resp: 152262  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.6 115.0  
 141 39.1 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

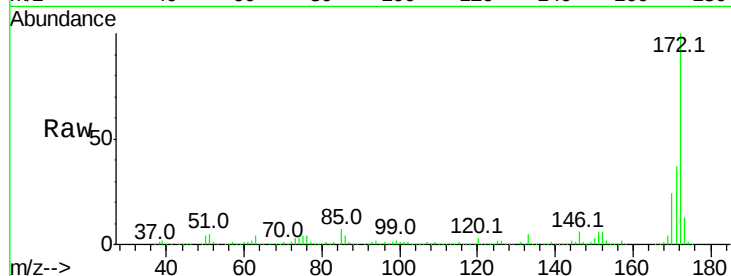




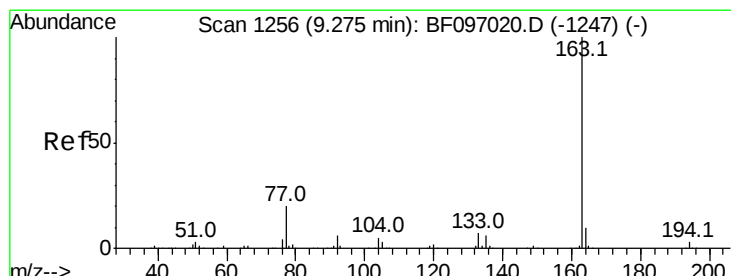
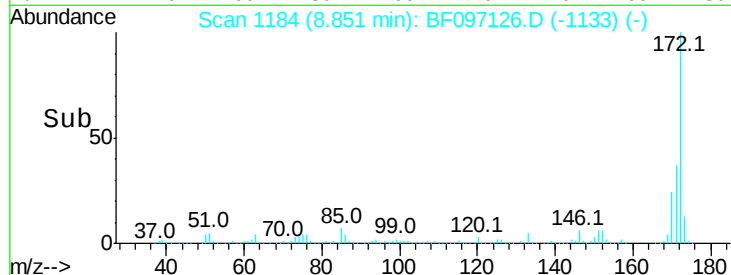
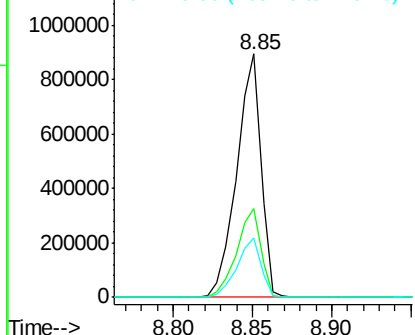
#44  
2-Fluorobiphenyl  
Concen: 99.031 ng  
RT: 8.85 min Scan# 1184  
Delta R.T. 0.00 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.6  | 44.4  |
| 170     | 24.4  | 19.8  | 29.8  |

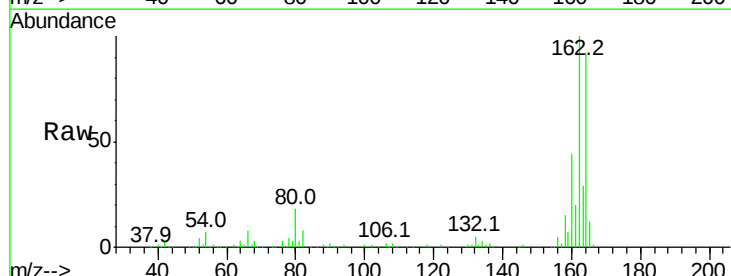


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

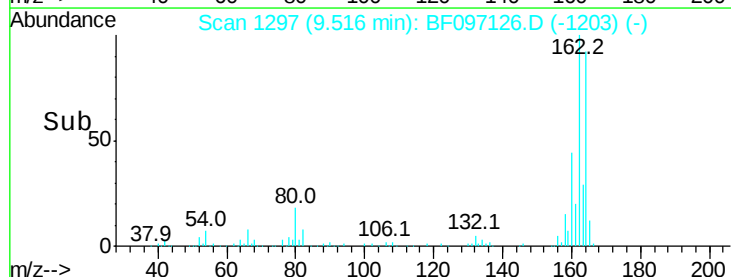
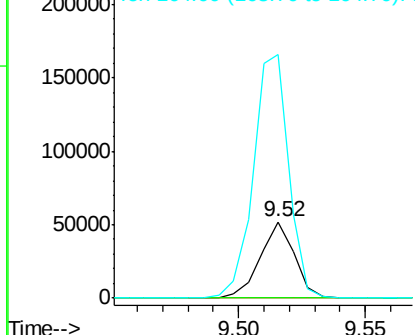


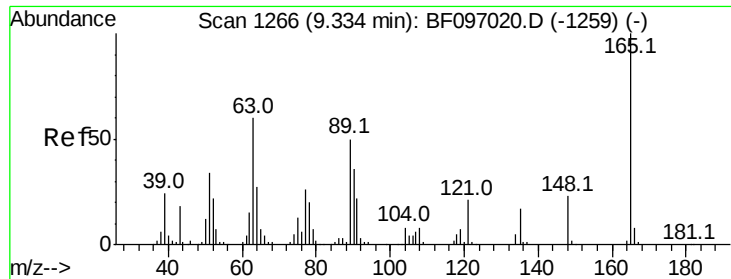
#49  
Dimethylphthalate  
Concen: 3.999 ng  
RT: 9.52 min Scan# 1297  
Delta R.T. 0.25 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 0.0   | 2.6   | 4.0#  |
| 164     | 318.8 | 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

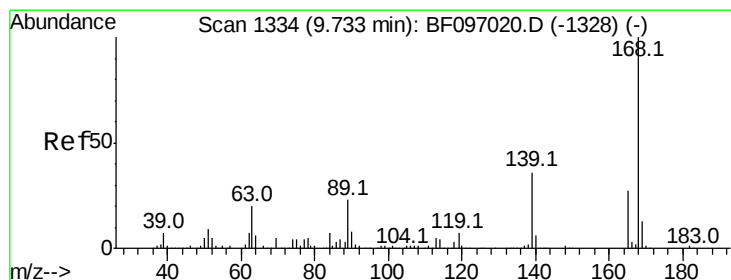
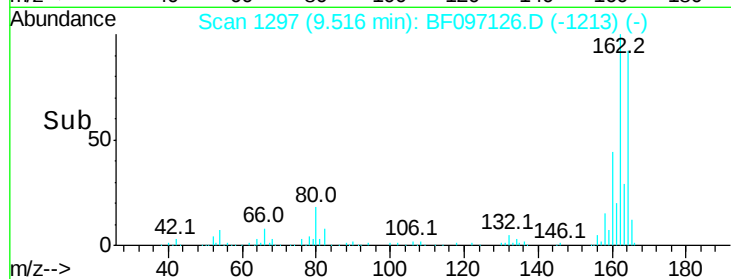
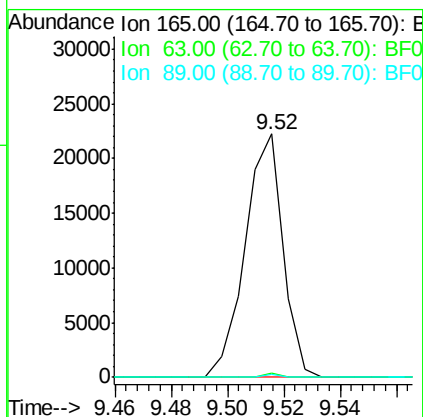
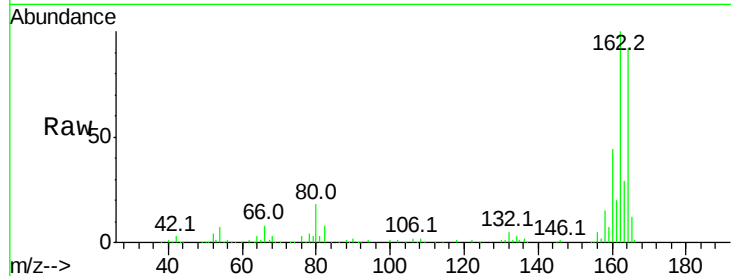




#50  
 2,6-Dinitrotoluene  
 Concen: 7.886 ng  
 RT: 9.52 min Scan# 1297  
 Delta R.T. 0.19 min  
 Lab File: BF097126.D  
 Acq: 27 Jul 2017 16:56

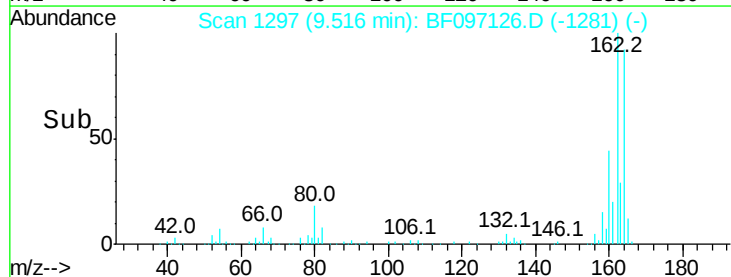
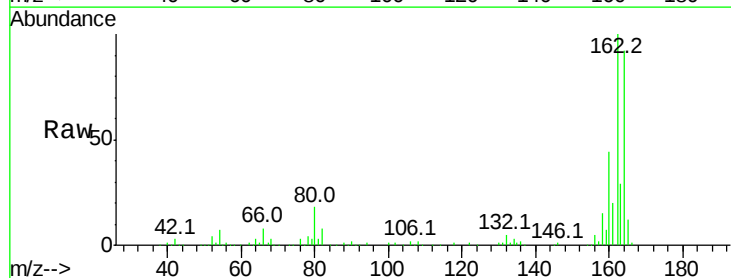
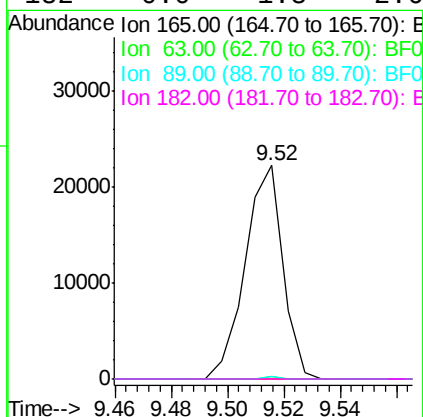
Instrument :  
 BNA\_F  
 ClientSampleId :

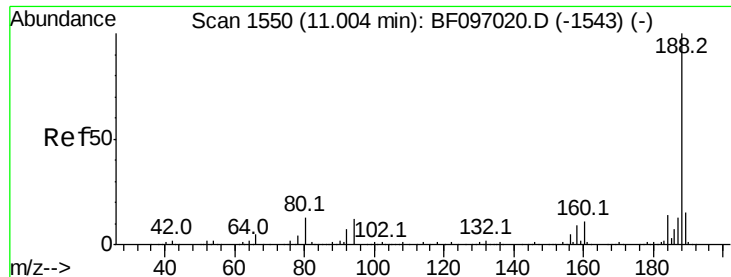
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 34.3  | 51.5# |
| 89      | 1.4   | 37.1  | 55.7# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.860 ng  
 RT: 9.52 min Scan# 1297  
 Delta R.T. -0.21 min  
 Lab File: BF097126.D  
 Acq: 27 Jul 2017 16:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 25.4  | 38.0# |
| 89      | 1.4   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.99 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

Instrument :

BNA\_F

ClientSampleId :

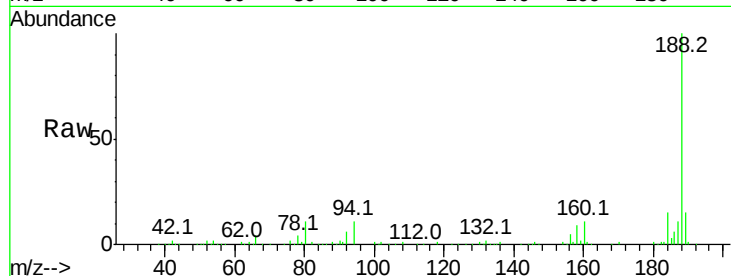
Tot Ion:188 Resp: 251133

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

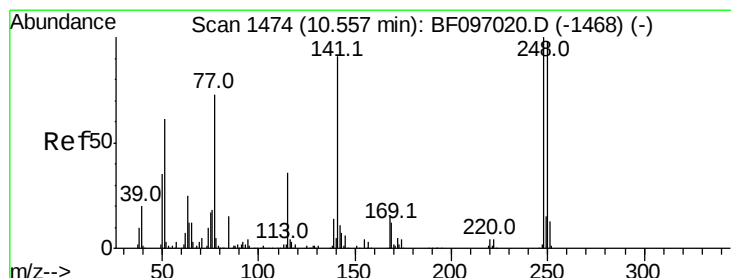
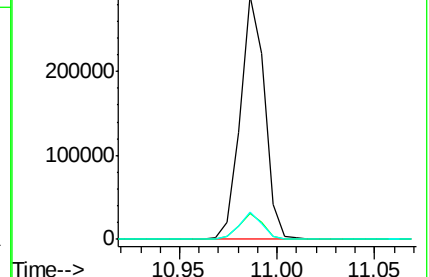
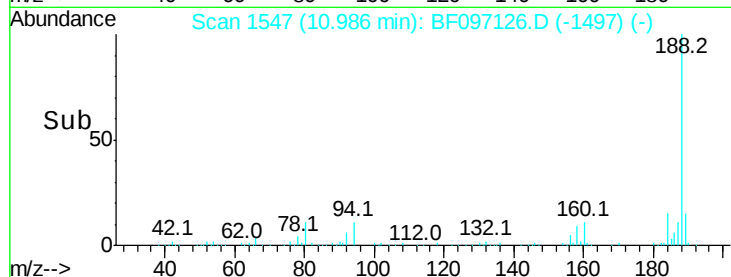
80 11.5 10.2 15.2



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: 3.705 ng

RT: 10.30 min Scan# 1431

Delta R.T. -0.24 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

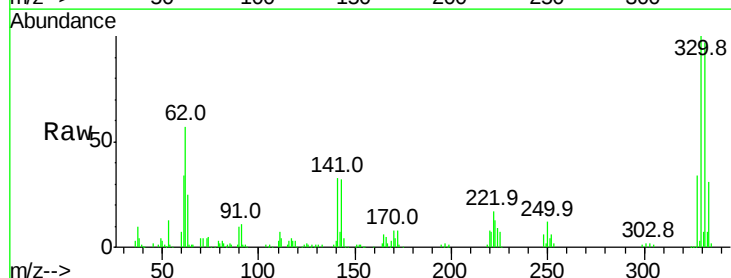
Tgt Ion:248 Resp: 9285

Ion Ratio Lower Upper

248 100

250 191.1 76.8 115.2#

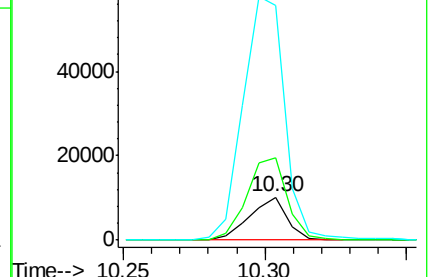
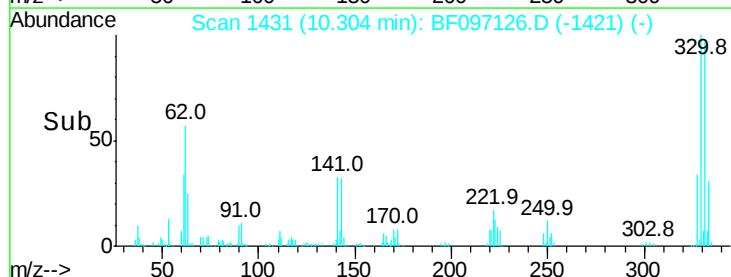
141 547.9 68.6 103.0#

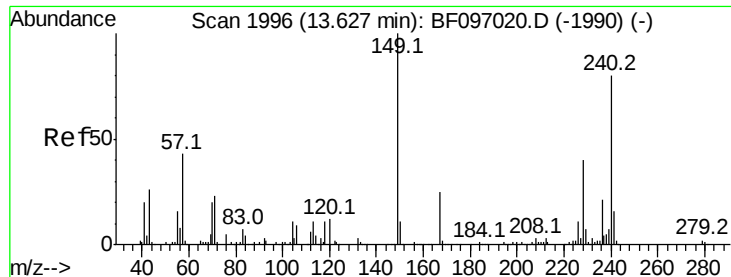


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

Instrument :

BNA\_F

ClientSampleId :

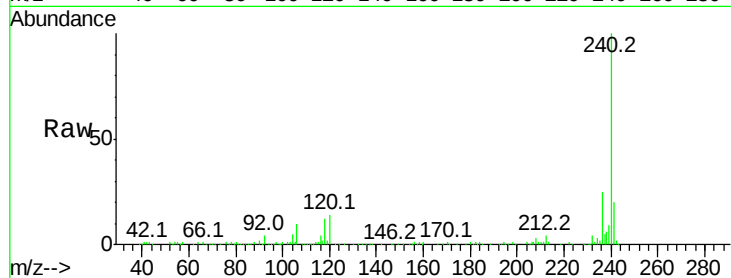
Tot Ion:240 Resp: 193996

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

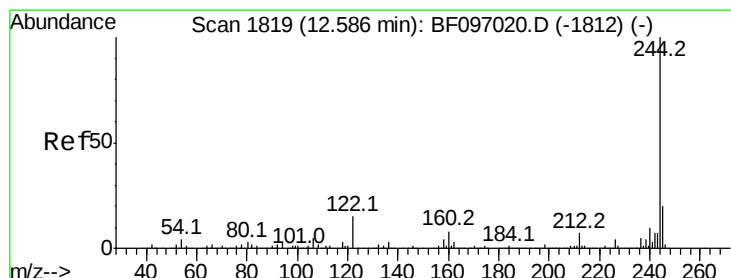
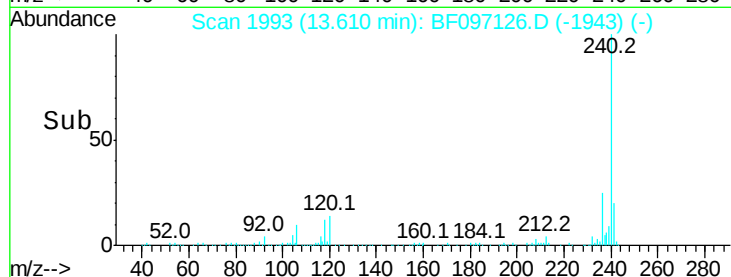
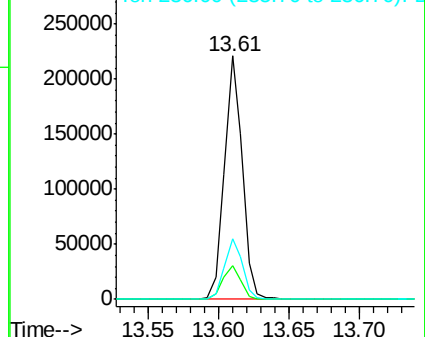
236 24.9 20.5 30.7



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: 71.526 ng

RT: 12.57 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF097126.D

Acq: 27 Jul 2017 16:56

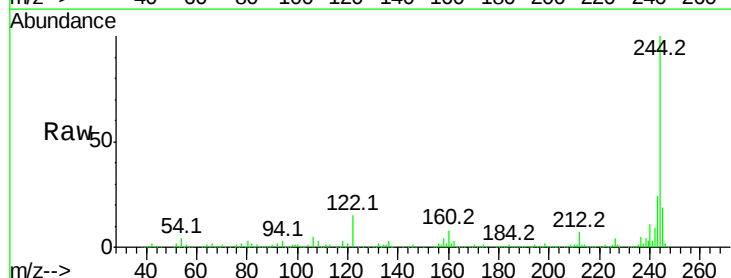
Tgt Ion:244 Resp: 680571

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

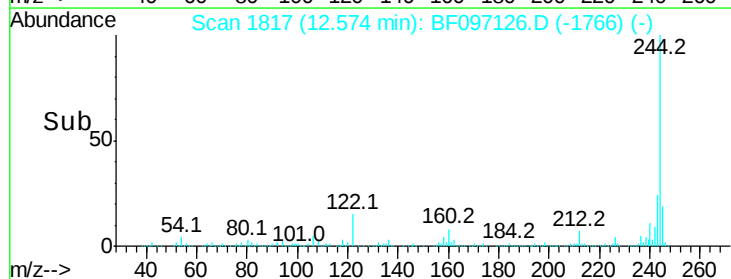
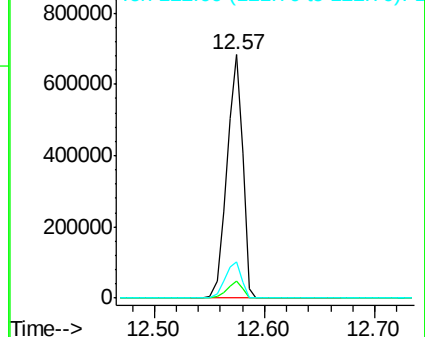
122 14.7 10.3 15.5

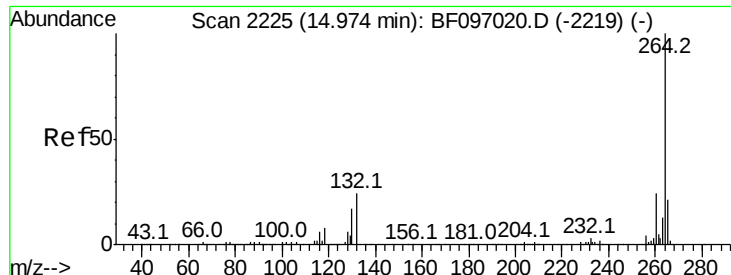


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

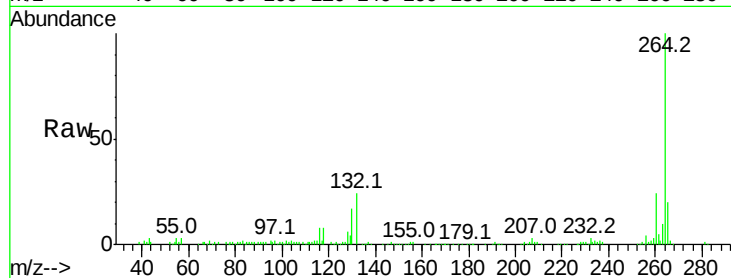




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 14.96 min Scan# 2222  
Delta R.T. 0.00 min  
Lab File: BF097126.D  
Acq: 27 Jul 2017 16:56

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.5  | 29.3  |
| 265     | 20.4  | 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

