

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\  
 Data File : BF100056.D  
 Acq On : 1 Nov 2017 20:46  
 Operator : SJ/JU  
 Sample : I6226-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 02 01:39:27 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 01 18:13:08 2017  
 Response via : Initial Calibration

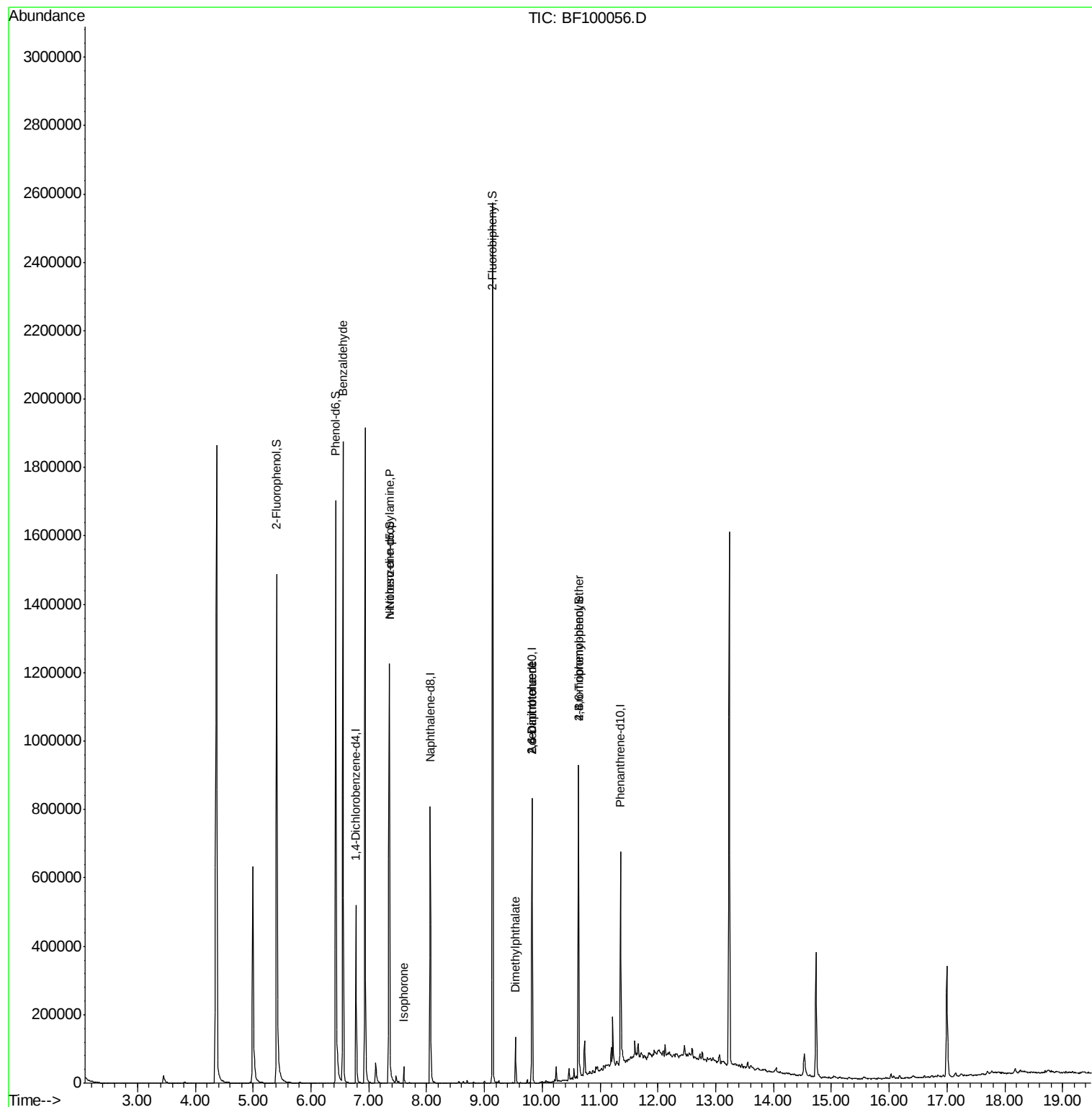
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.78  | 152  | 94224    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.06  | 136  | 369034   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.82  | 164  | 158529   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.36 | 188  | 238230   | 20.00  | ng    | 0.05     |
| 75) Chrysene-d12               | 0.00  | 240  | 0        | 0.00   | ng    | -13.97   |
| 86) Perylene-d12               | 0.00  | 264  | 0        | 0.00   | ng    | -15.46   |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 576139   | 96.00  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.43  | 99   | 770144   | 108.22 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 480994   | 83.91  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.63 | 330  | 115346   | 79.84  | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 958987   | 93.33  | ng    | 0.01     |
| 78) Terphenyl-d14              | 0.00  | 244  | 0        | 0.00   | ng    |          |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.55  | 77   | 11067    | 2.603  | ng    | 87       |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 60262    | 14.450 | ng    | # 68     |
| 25) Isophorone                 | 7.60  | 82   | 24878    | 2.392  | ng    | 96       |
| 49) Dimethylphthalate          | 9.54  | 163  | 57828    | 4.606  | ng    | 98       |
| 50) 2,6-Dinitrotoluene         | 9.82  | 165  | 20165    | 7.641  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.82  | 165  | 20165    | 6.345  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.63 | 248  | 7173     | 2.860  | ng    | # 1      |

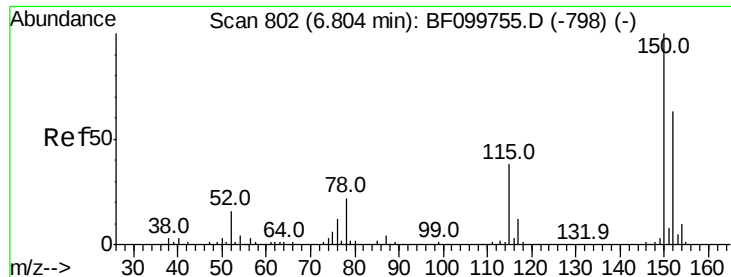
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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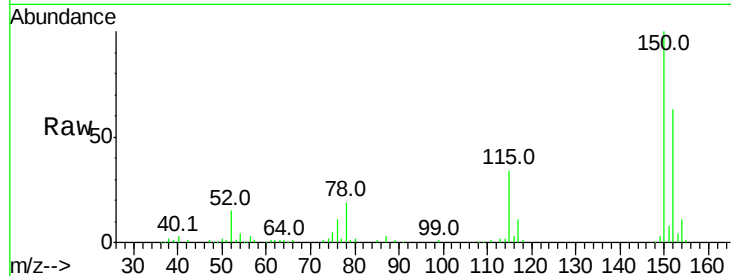


#1

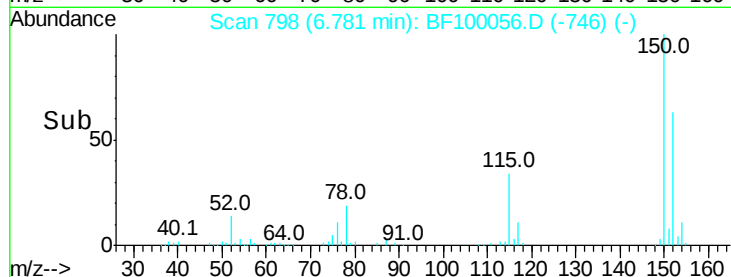
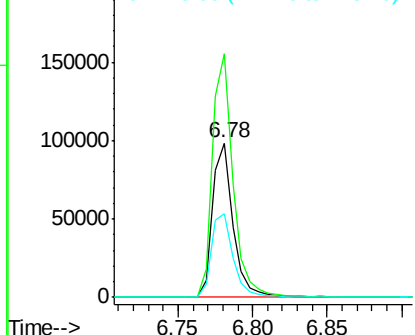
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.78 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 94224  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.6 186.8  
115 54.5 50.1 75.1



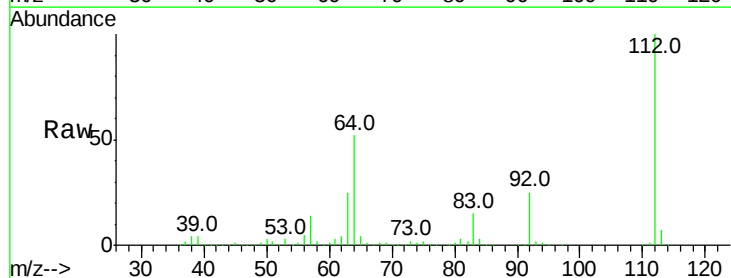
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



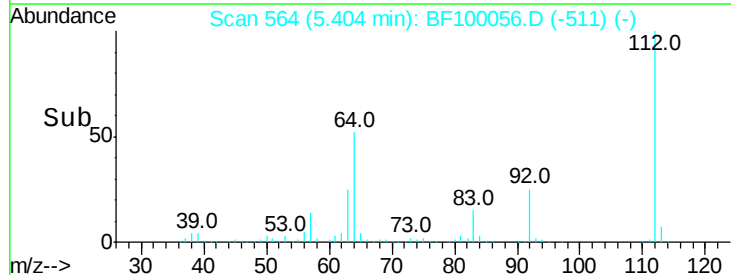
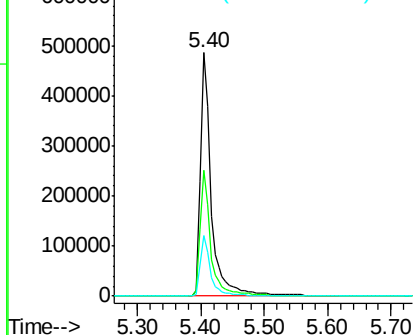
#5

2-Fluorophenol  
Concen: 95.997 ng  
RT: 5.40 min Scan# 564  
Delta R.T. 0.01 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

Tgt Ion:112 Resp: 576139  
Ion Ratio Lower Upper  
112 100  
64 51.6 47.9 71.9  
63 25.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.223 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

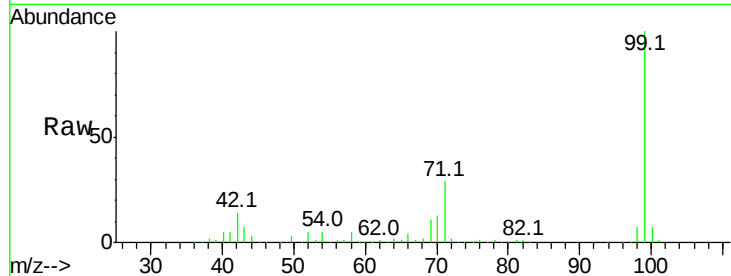
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 770144

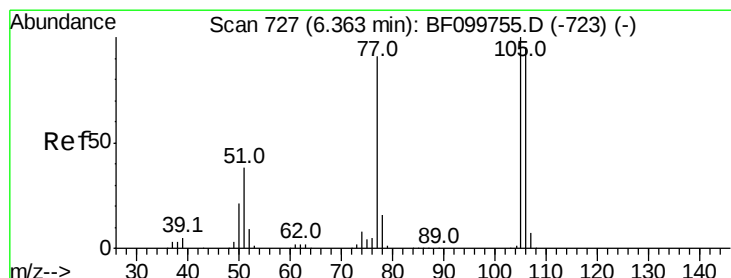
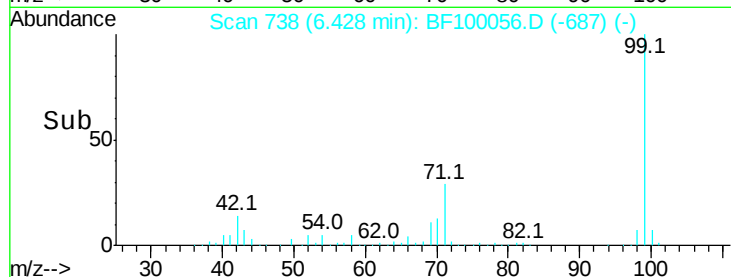
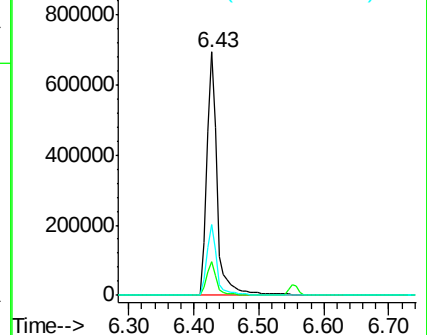
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.6  | 14.5  | 21.7# |
| 71  | 29.3  | 25.4  | 38.0  |



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.603 ng

RT: 6.55 min Scan# 759

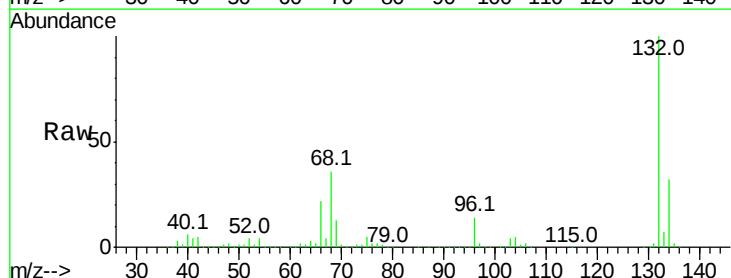
Delta R.T. 0.21 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

Tgt Ion: 77 Resp: 11067

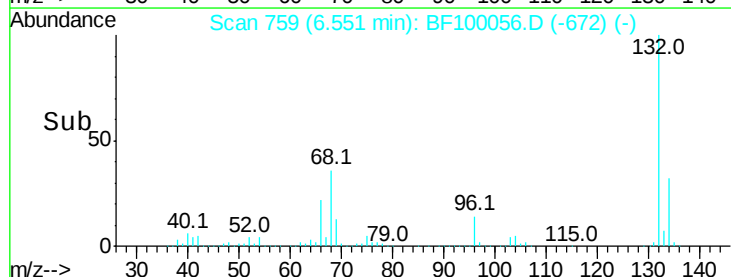
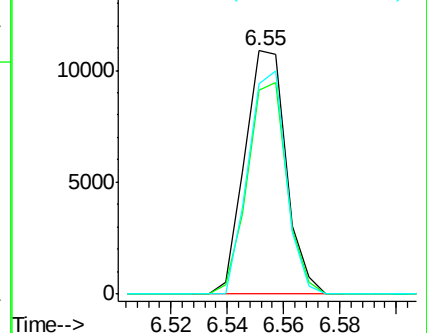
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 83.8  | 81.1  | 121.1 |
| 106 | 86.1  | 74.5  | 114.5 |

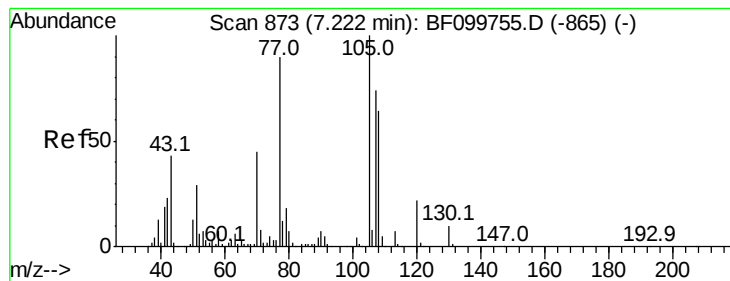


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 14.450 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.16 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 60262

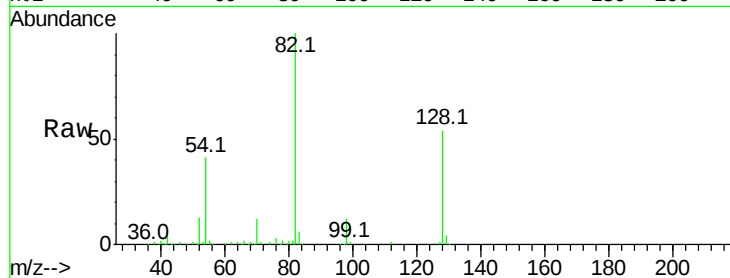
Ion Ratio Lower Upper

70 100

42 36.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

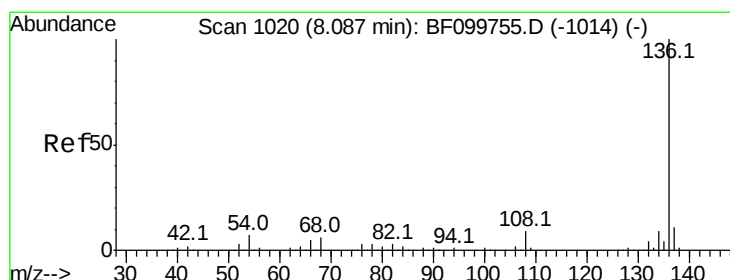
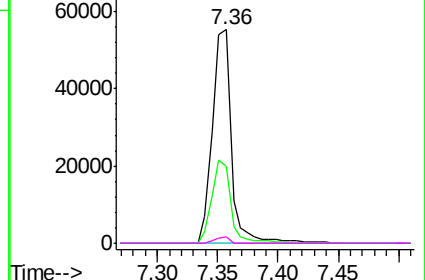
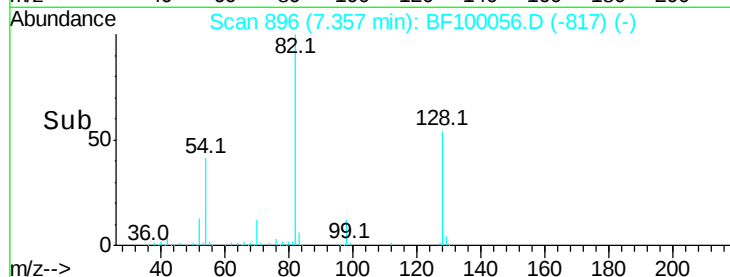


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

Tgt Ion: 136 Resp: 369034

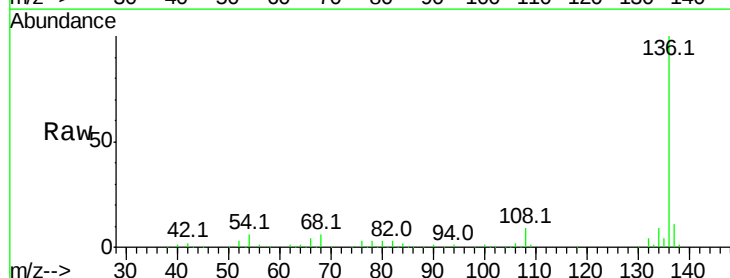
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

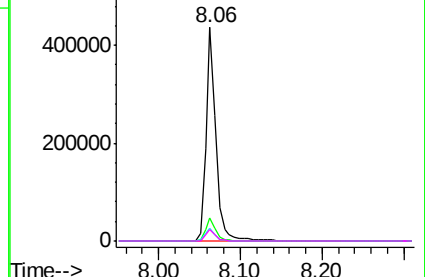
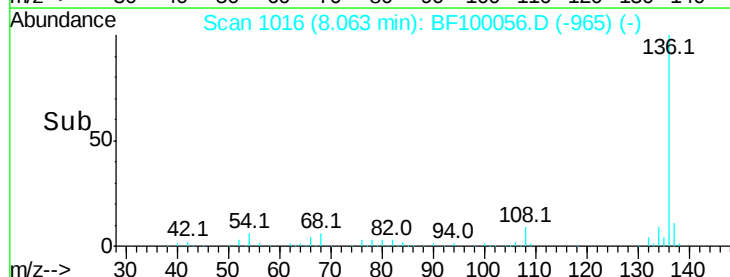


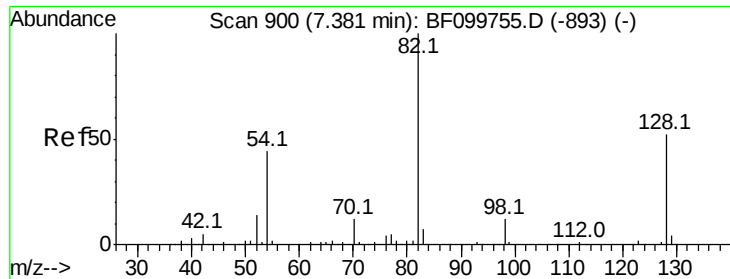
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

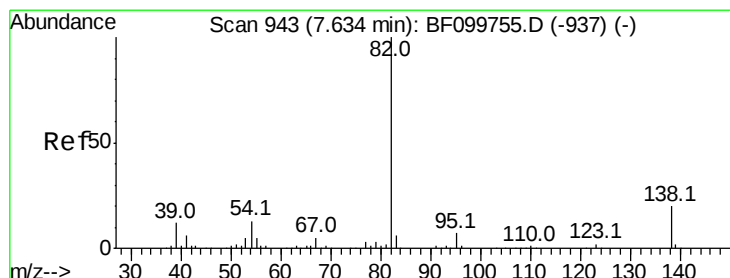
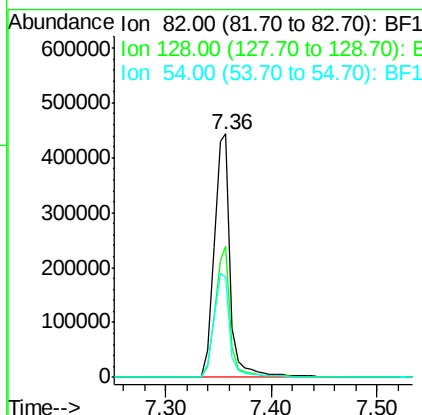
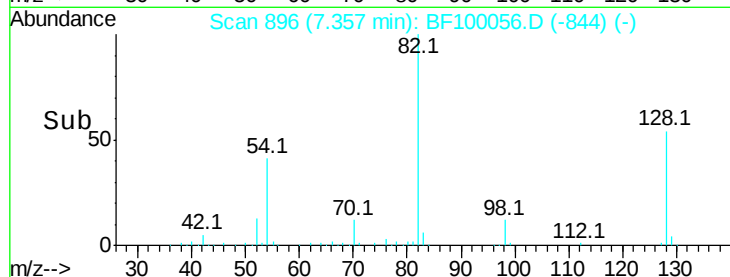
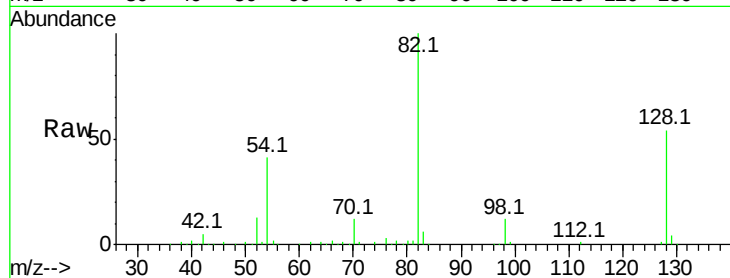




#23  
 Nitrobenzene-d5  
 Concen: 83.913 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. 0.01 min  
 Lab File: BF100056.D  
 Acq: 1 Nov 2017 20:46

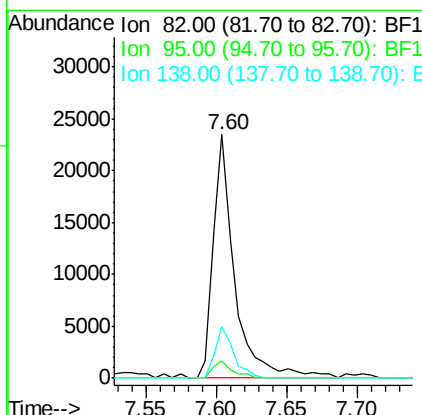
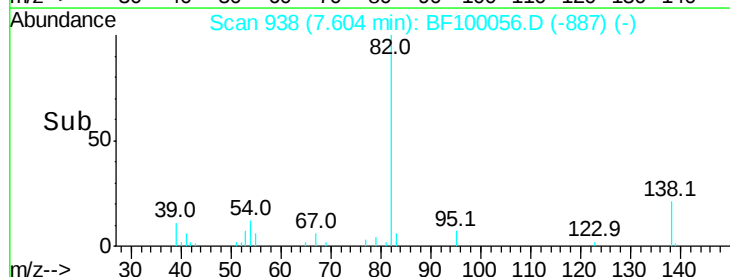
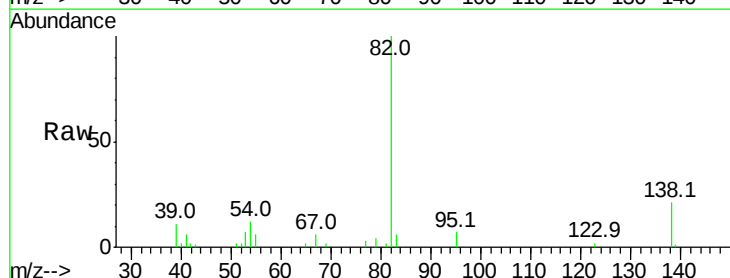
Instrument :  
 BNA\_F  
 ClientSampled :

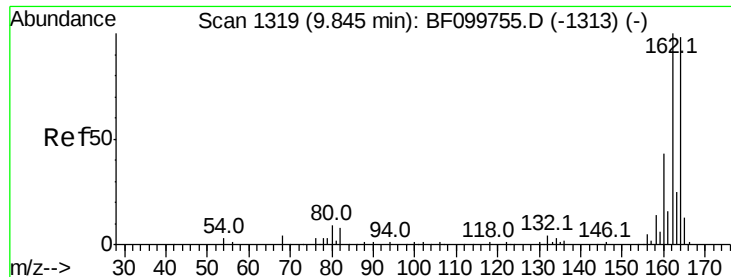
Tot Ion: 82 Resp: 480994  
 Ion Ratio Lower Upper  
 82 100  
 128 53.8 36.1 54.1  
 54 41.1 41.4 62.2#



#25  
 Isophorone  
 Concen: 2.392 ng  
 RT: 7.60 min Scan# 938  
 Delta R.T. 0.00 min  
 Lab File: BF100056.D  
 Acq: 1 Nov 2017 20:46

Tgt Ion: 82 Resp: 24878  
 Ion Ratio Lower Upper  
 82 100  
 95 6.8 5.2 7.8  
 138 21.1 14.9 22.3

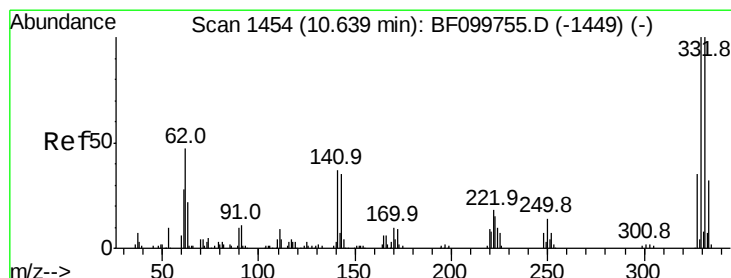
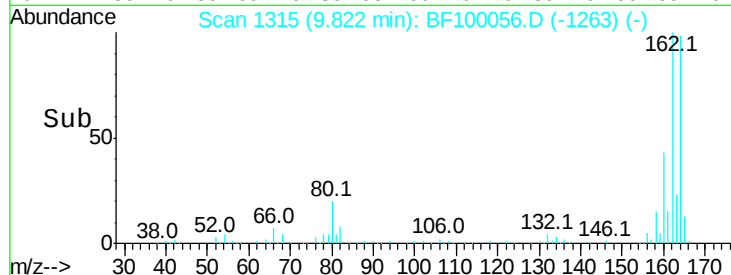
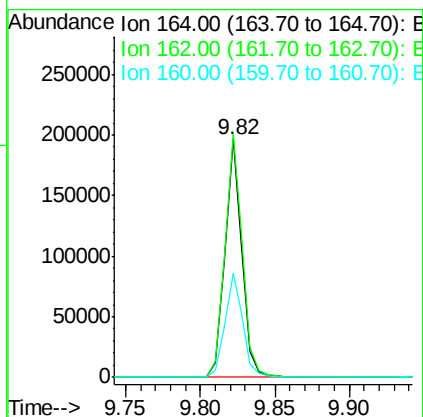
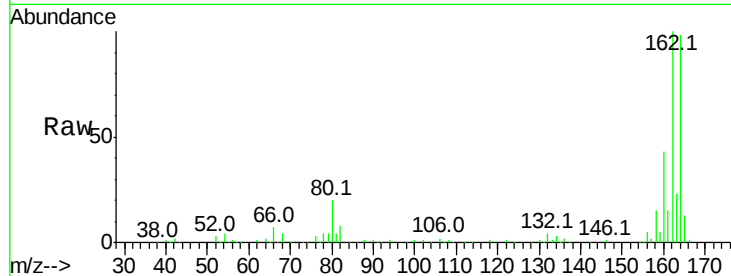




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.01 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

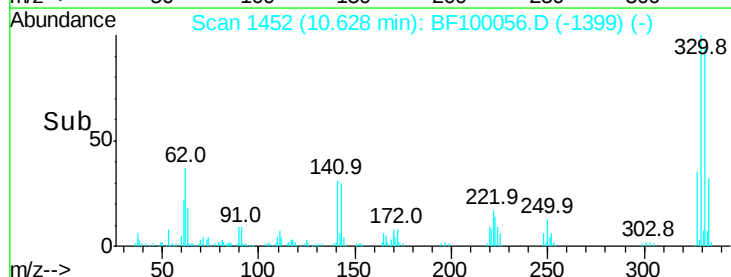
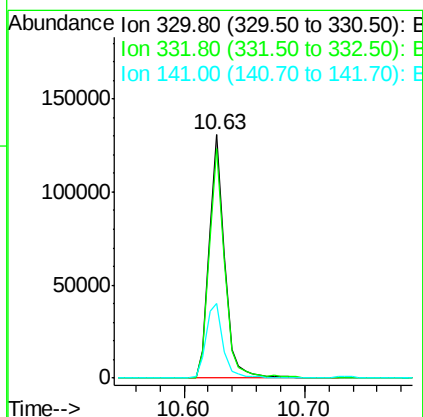
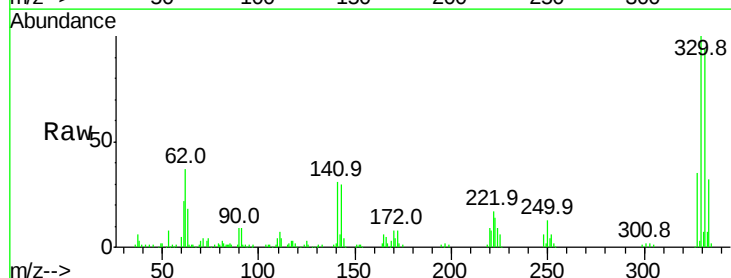
Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:164 Resp: 158529  
Ion Ratio Lower Upper  
164 100  
162 102.2 86.1 129.1  
160 43.9 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 79.841 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. 0.01 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

Tgt Ion:330 Resp: 115346  
Ion Ratio Lower Upper  
330 100  
332 95.1 77.0 115.6  
141 34.2 29.9 44.9

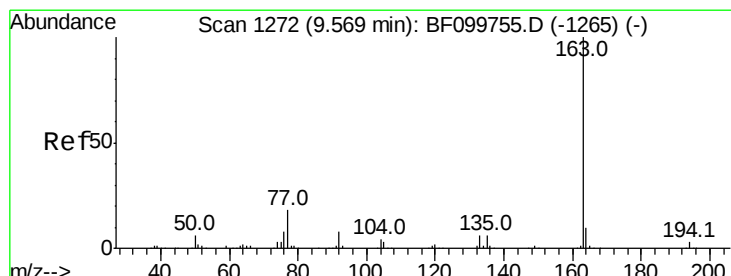
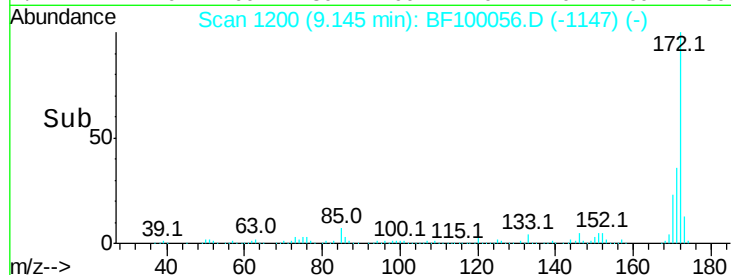
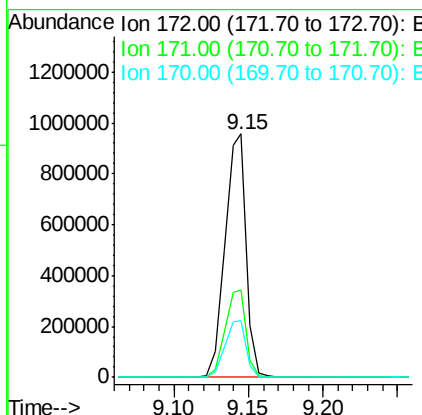
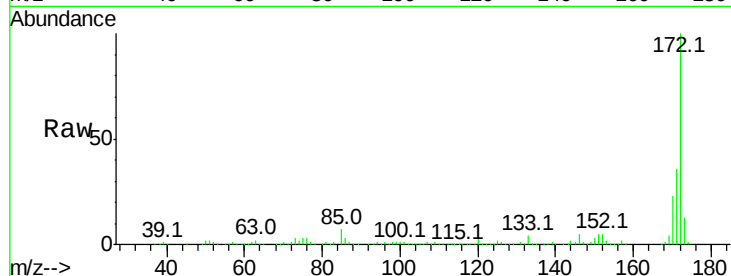




#44  
2-Fluorobiphenyl  
Concen: 93.331 ng  
RT: 9.15 min Scan# 1200  
Delta R.T. 0.01 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

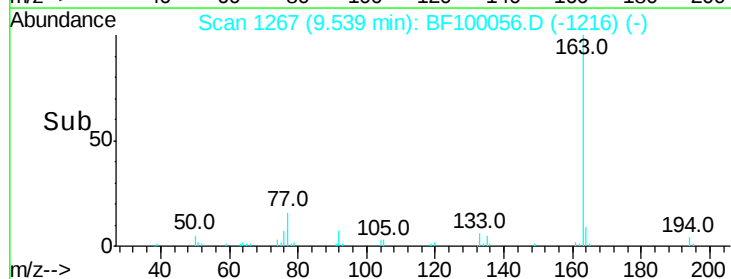
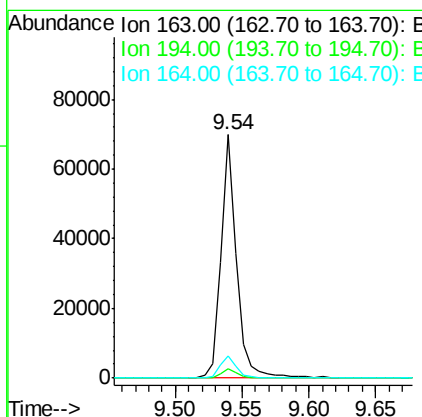
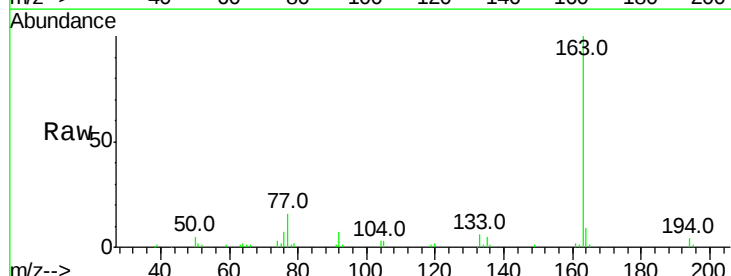
Instrument :  
BNA\_F  
ClientSampleId :

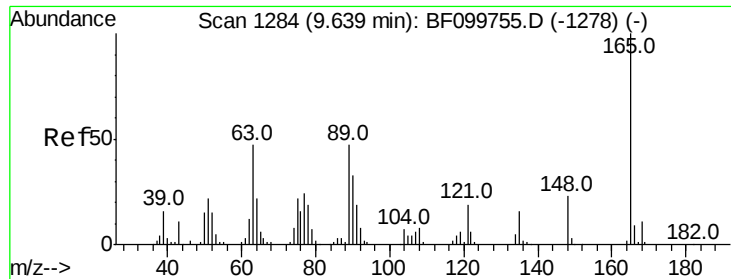
Tot Ion:172 Resp: 958987  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.7 44.5  
170 23.3 19.6 29.4



#49  
Dimethylphthalate  
Concen: 4.606 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. 0.00 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

Tgt Ion:163 Resp: 57828  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.2 8.2 12.2

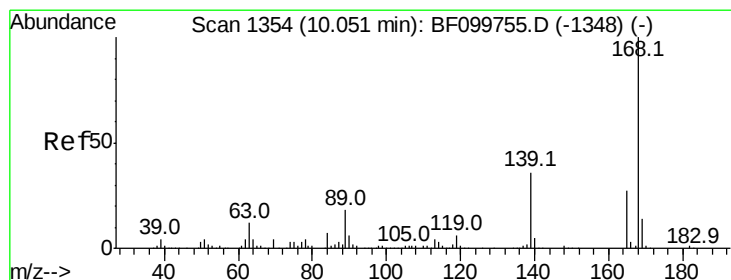
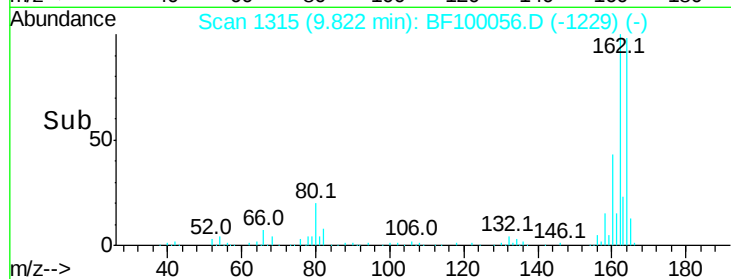
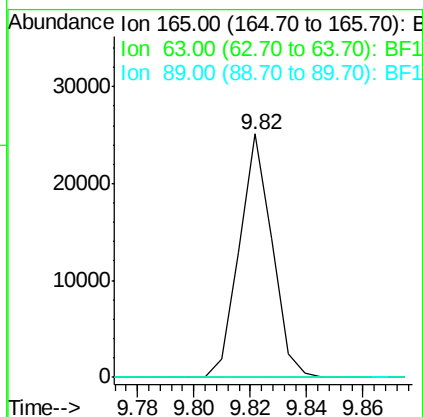
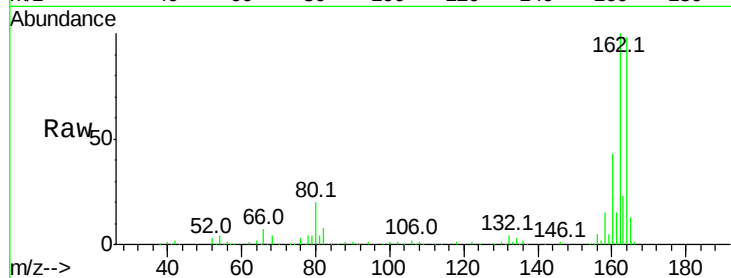




#50  
2,6-Dinitrotoluene  
Concen: 7.641 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. 0.21 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

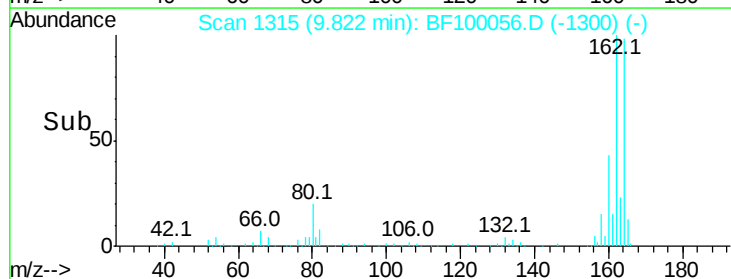
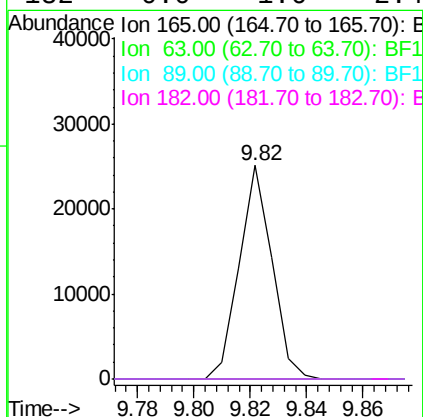
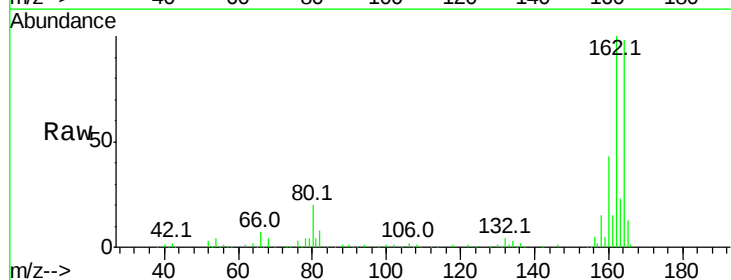
Instrument :  
BNA\_F  
ClientSampleId :

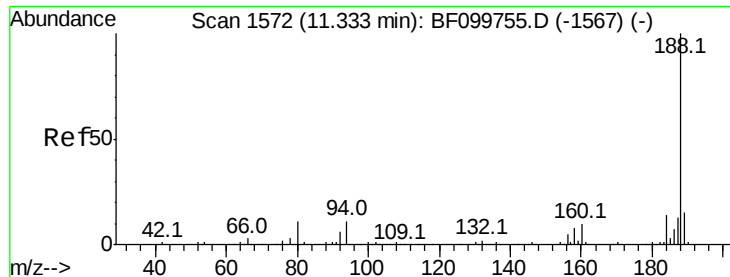
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |



#56  
2,4-Dinitrotoluene  
Concen: 6.345 ng  
RT: 9.82 min Scan# 1315  
Delta R.T. -0.21 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.05 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

Instrument :

BNA\_F

ClientSampleId :

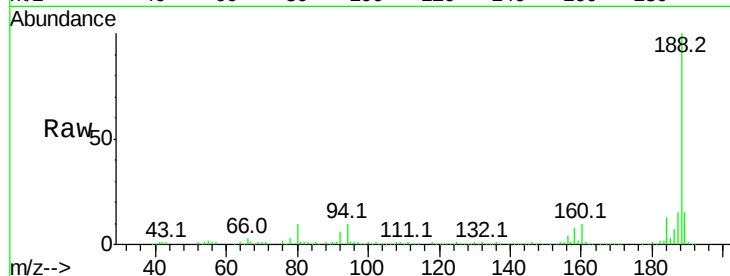
Tot Ion:188 Resp: 238230

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

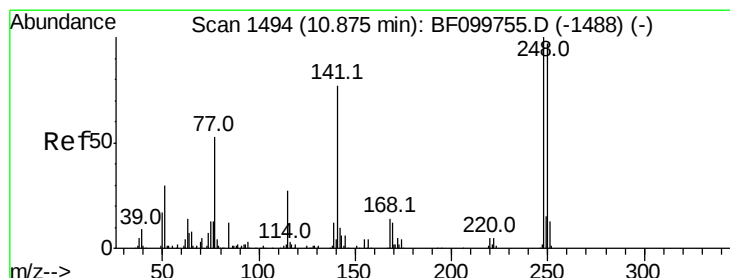
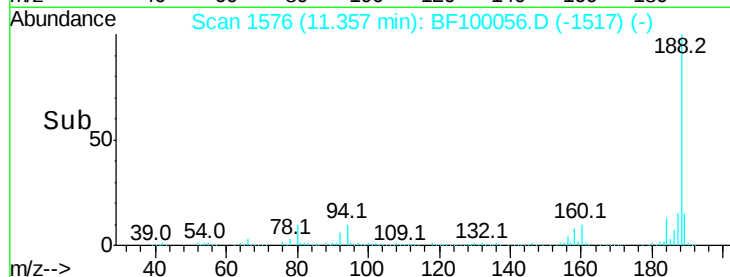
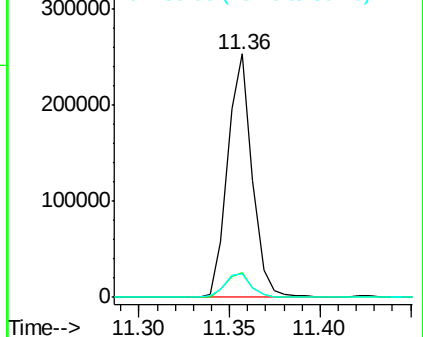
80 9.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

4-Bromophenyl-phenylether

Concen: 2.860 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.22 min

Lab File: BF100056.D

Acq: 1 Nov 2017 20:46

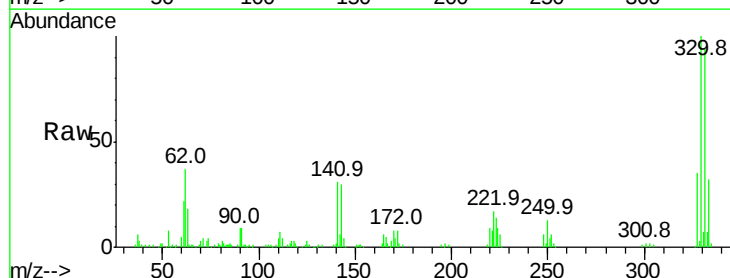
Tgt Ion:248 Resp: 7173

Ion Ratio Lower Upper

248 100

250 215.9 76.9 115.3#

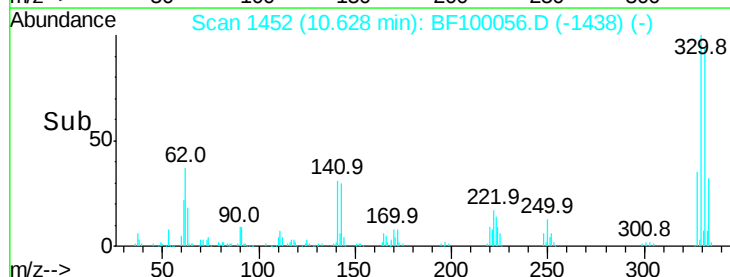
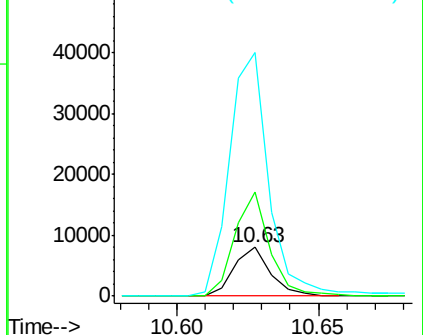
141 502.3 74.4 111.6#

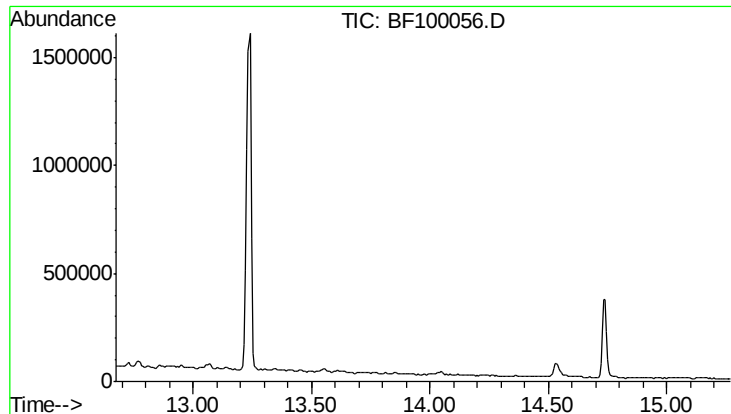


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

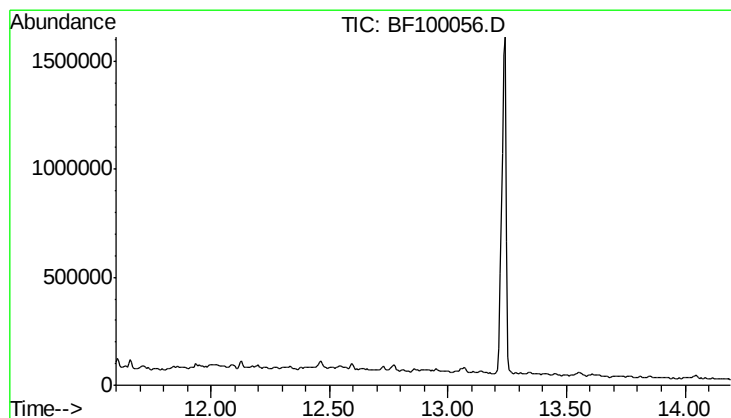
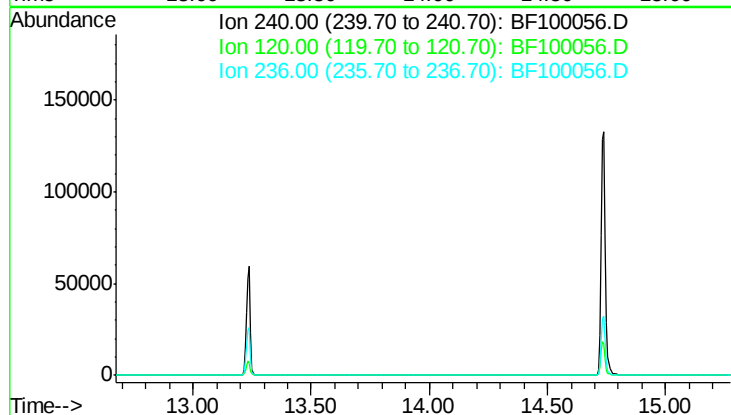




#75  
 Chrvsene-d12  
 Concen: 0.000 ng  
 Expected RT: 13.97 min  
 Lab File: BF100056.D  
 Acq: 1 Nov 2017 20:46

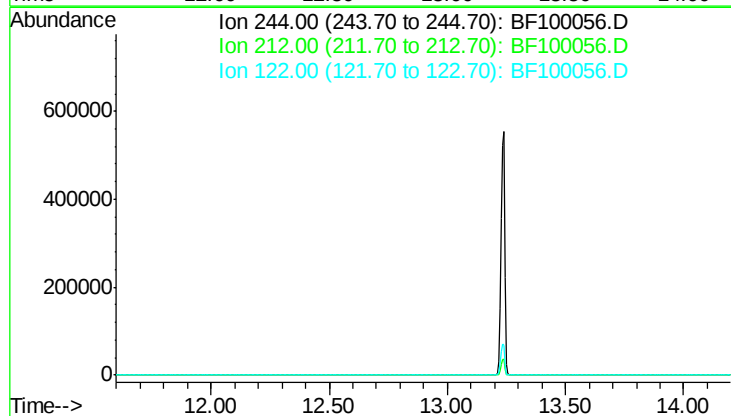
Instrument :  
 BNA\_F  
 ClientSampleId :

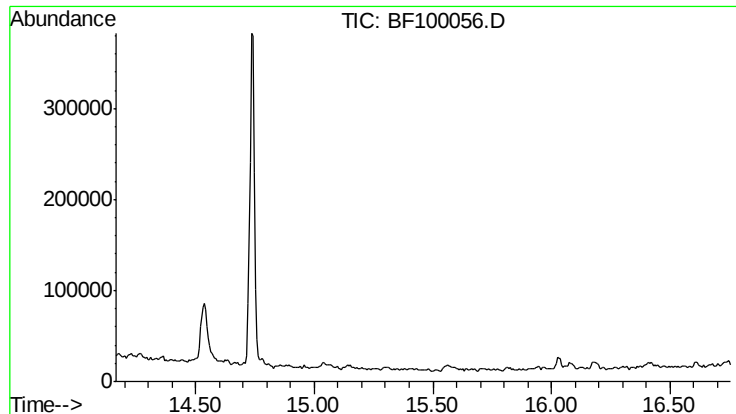
Tot Ion: 240  
 Sig Exp Ratio  
 240 100  
 120 11.9  
 236 25.9



#78  
 Terphenyl-d14  
 Concen: 0.000 ng  
 Expected RT: 12.90 min  
 Lab File: BF100056.D  
 Acq: 1 Nov 2017 20:46

Tgt Ion: 244  
 Sig Exp Ratio  
 244 100  
 212 6.7  
 122 13.7





#86  
Pervlene-d12  
Concen: 0.000 ng  
Expected RT: 15.46 min  
Lab File: BF100056.D  
Acq: 1 Nov 2017 20:46

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion: 264 |           |
|--------------|-----------|
| Sig          | Exp Ratio |
| 264          | 100       |
| 260          | 24.0      |
| 265          | 21.9      |

