

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\  
 Data File : BF098915.D  
 Acq On : 28 Sep 2017 19:10  
 Operator : SJ/JU  
 Sample : PB102707BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 29 00:44:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

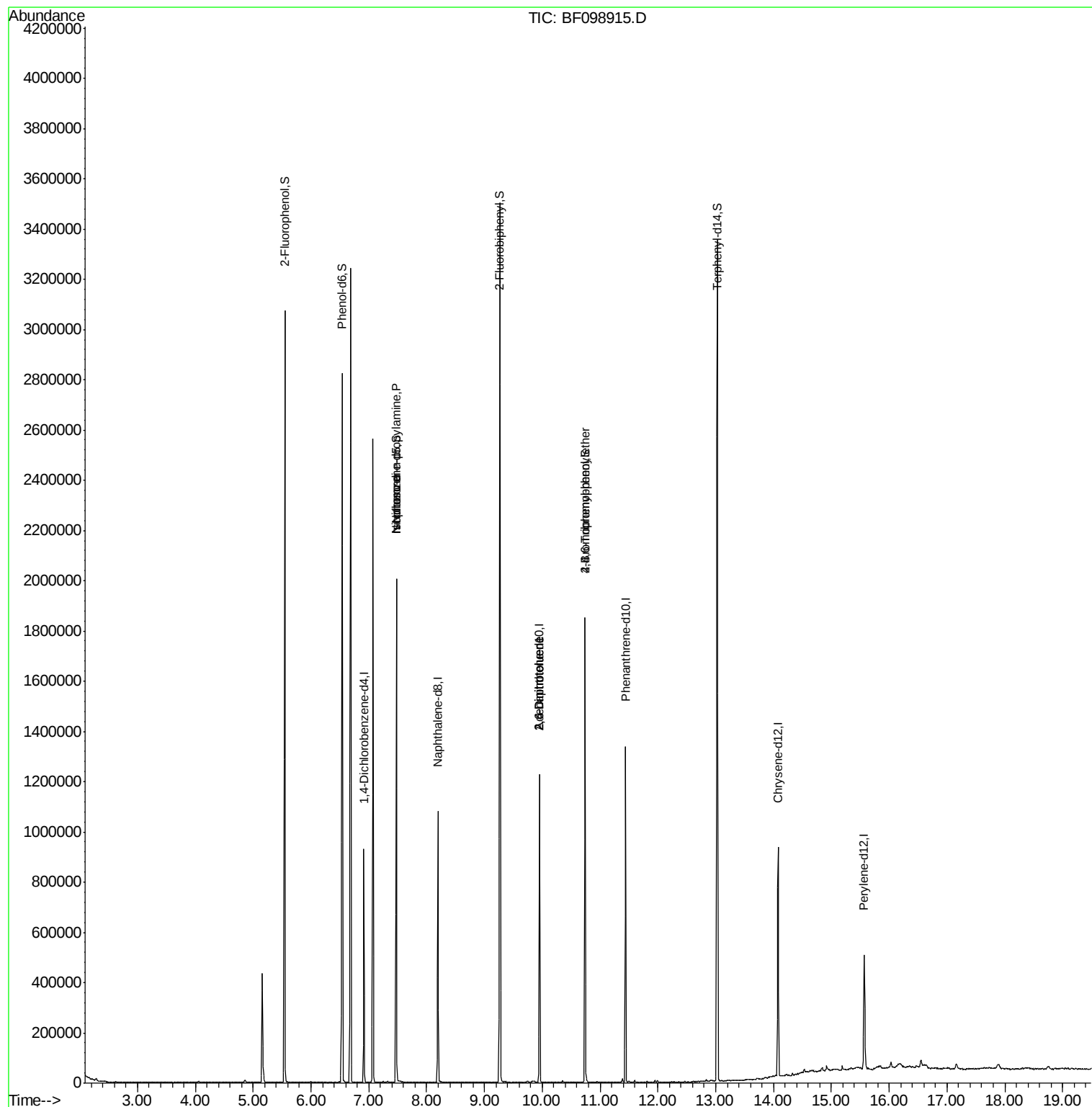
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.92  | 152  | 126106   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.20  | 136  | 526313   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.95  | 164  | 238888   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.44 | 188  | 438641   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.08 | 240  | 276846   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.57 | 264  | 197229   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 898219   | 113.39 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.54  | 99   | 1065265  | 109.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.47  | 82   | 665368   | 81.07  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.75 | 330  | 221523   | 113.33 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.27  | 172  | 1223656  | 85.51  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.03 | 244  | 1063814  | 87.39  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.47  | 70   | 87301    | 13.99  | ng    | # 77     |
| 25) Isophorone                 | 7.47  | 82   | 663502   | 39.10  | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.95  | 165  | 30847    | 7.86   | ng    | # 26     |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 30847    | 6.06   | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.75 | 248  | 15219    | 3.54   | ng    | # 1      |

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

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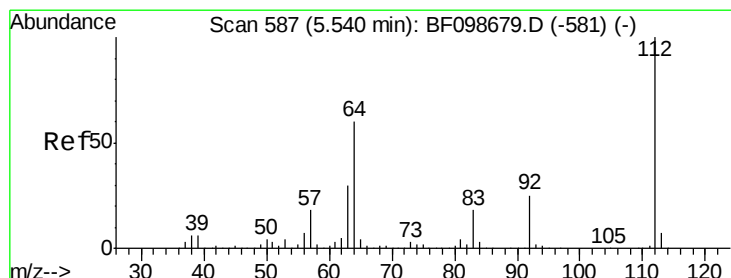
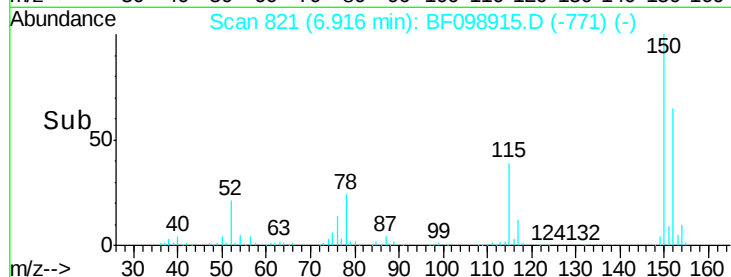
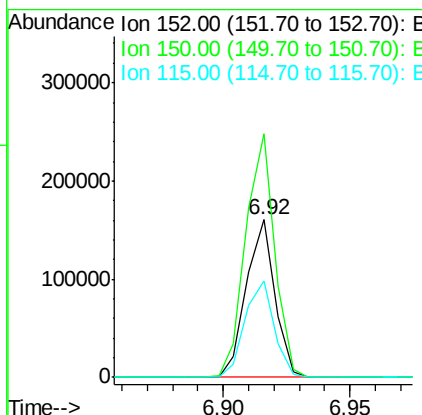
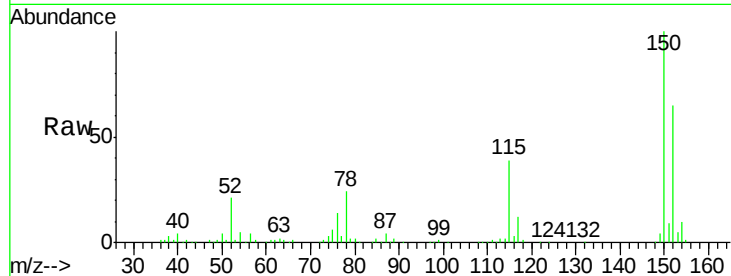


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

Instrument :  
BNA\_F  
ClientSampleId :

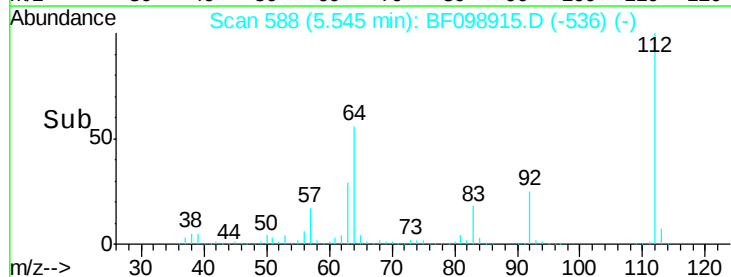
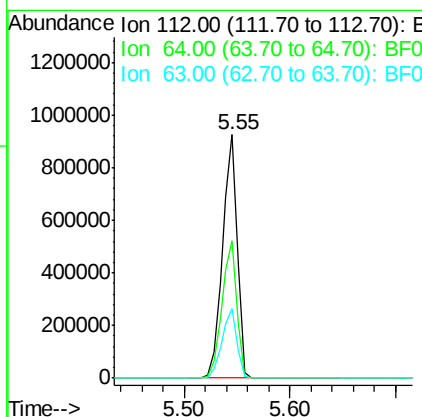
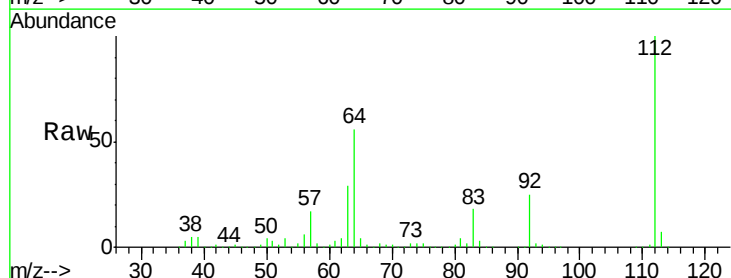
Tot Ion:152 Resp: 126106  
Ion Ratio Lower Upper  
152 100  
150 154.6 124.6 186.8  
115 60.8 50.1 75.1



#5

2-Fluorophenol  
Concen: 113.39 ng  
RT: 5.55 min Scan# 588  
Delta R.T. 0.01 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

Tgt Ion:112 Resp: 898219  
Ion Ratio Lower Upper  
112 100  
64 56.4 47.9 71.9  
63 28.6 23.7 35.5





#7

Phenol-d6

Concen: 109.01 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

Instrument :

BNA\_F

ClientSampleId :

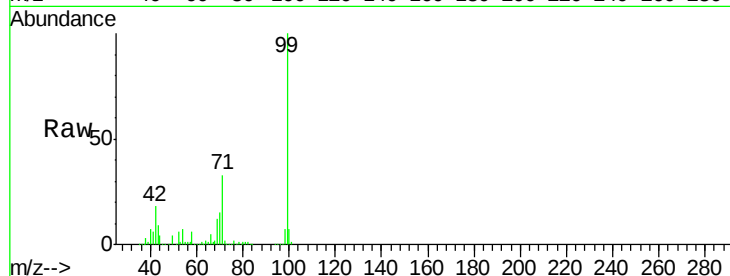
Tot Ion: 99 Resp: 1065265

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

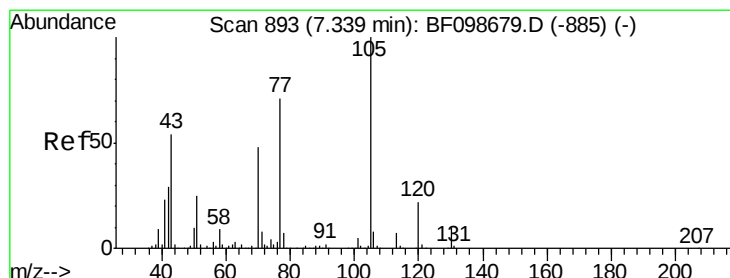
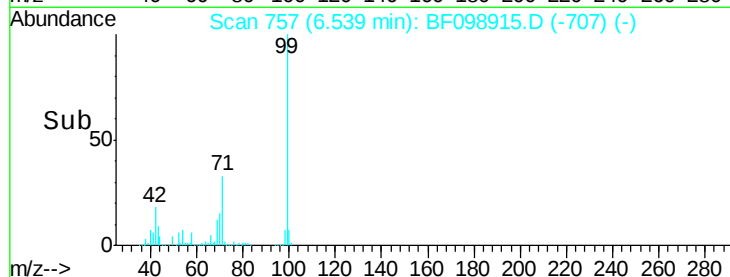
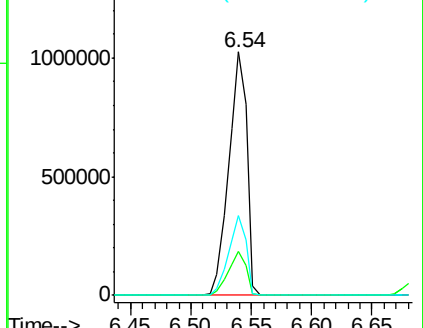
71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.99 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

Tgt Ion: 70 Resp: 87301

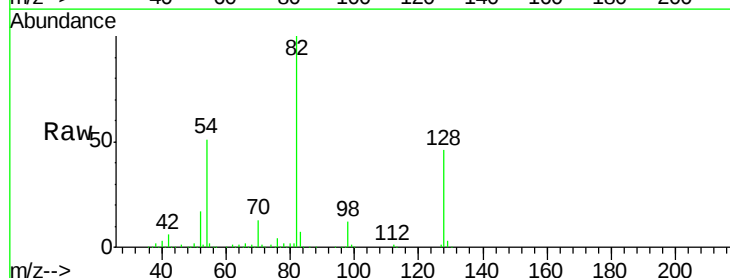
Ion Ratio Lower Upper

70 100

42 47.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

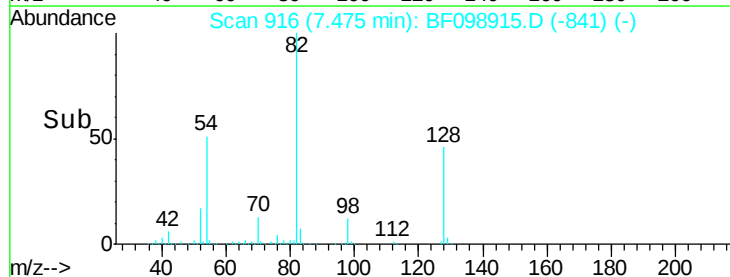
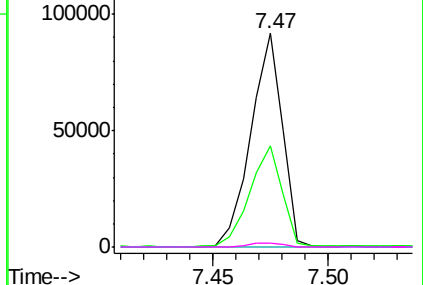


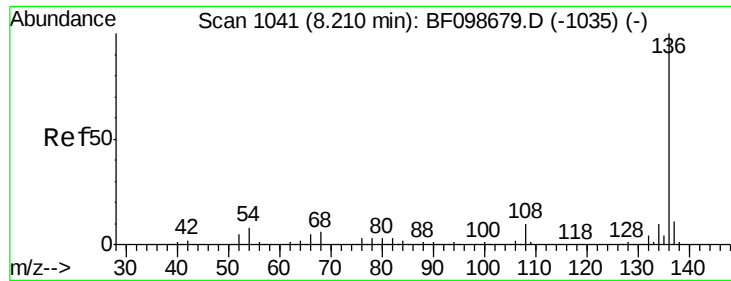
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

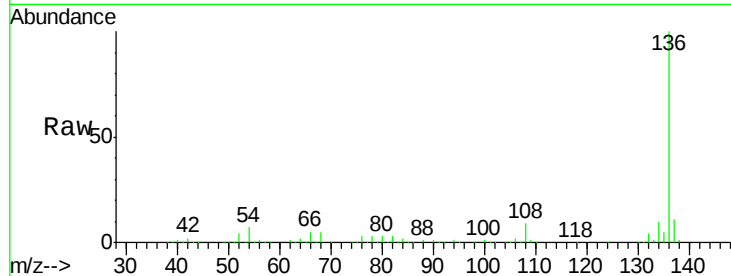




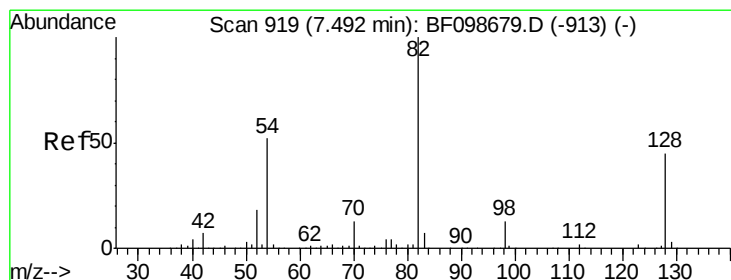
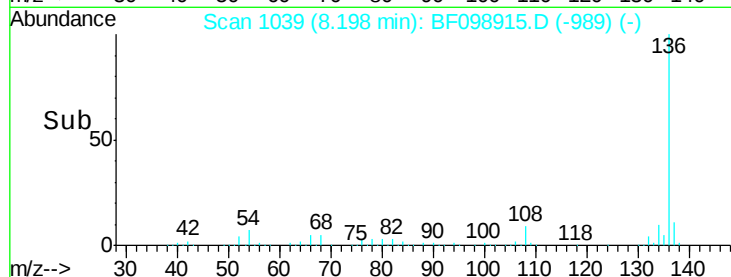
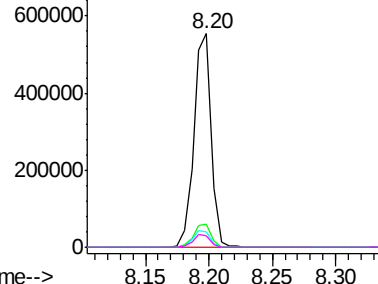
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 526313   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.8  | 8.9 13.3 |
| 54          | 7.1   | 6.6 9.8  |
| 68          | 5.3   | 5.0 7.4  |

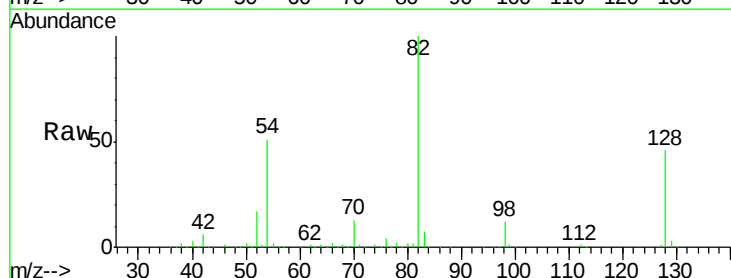


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

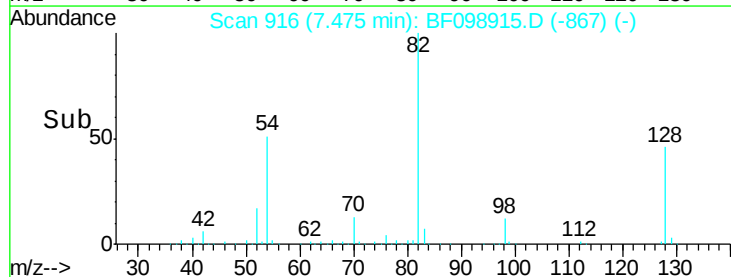
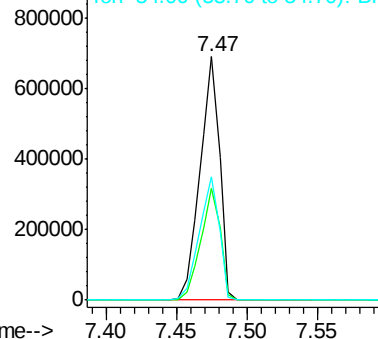


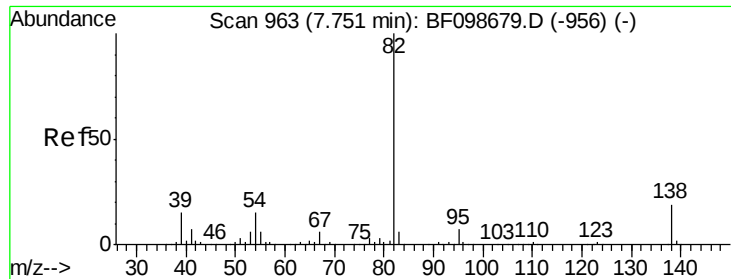
#23  
Nitrobenzene-d5  
Concen: 81.07 ng  
RT: 7.47 min Scan# 916  
Delta R.T. -0.01 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 665368    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.0  | 36.1 54.1 |
| 54          | 50.8  | 41.4 62.2 |



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





#25

Isophorone

Concen: 39.10 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

Instrument :

BNA\_F

ClientSampled :

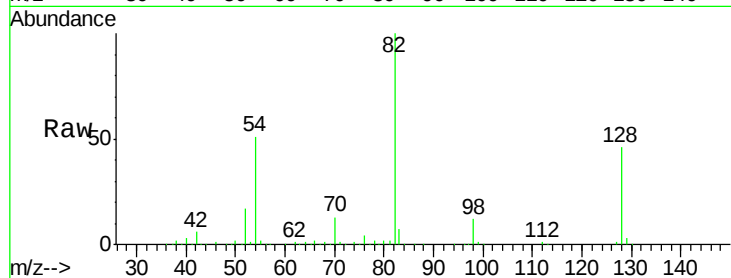
Tot Ion: 82 Resp: 663502

Ion Ratio Lower Upper

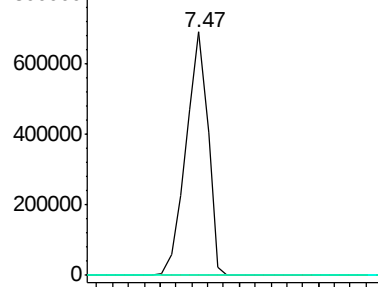
82 100

95 0.0 5.2 7.8#

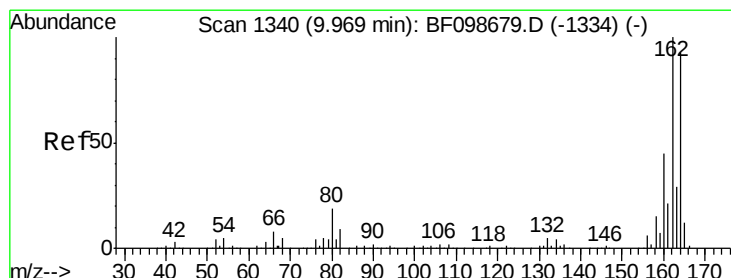
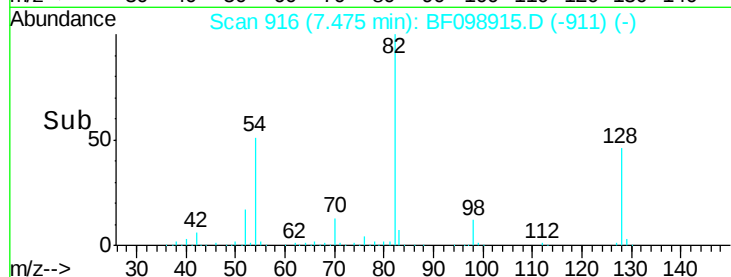
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

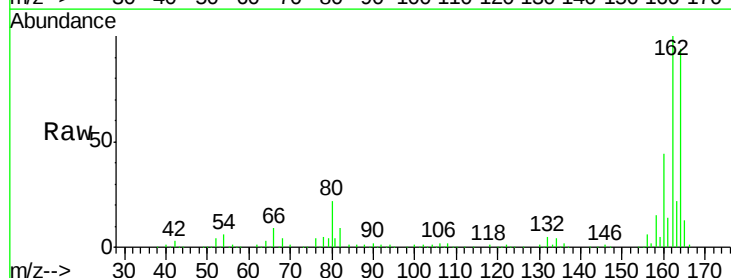
Tgt Ion:164 Resp: 238888

Ion Ratio Lower Upper

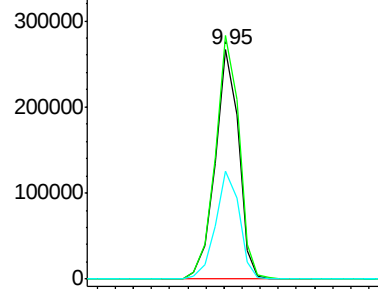
164 100

162 106.2 86.1 129.1

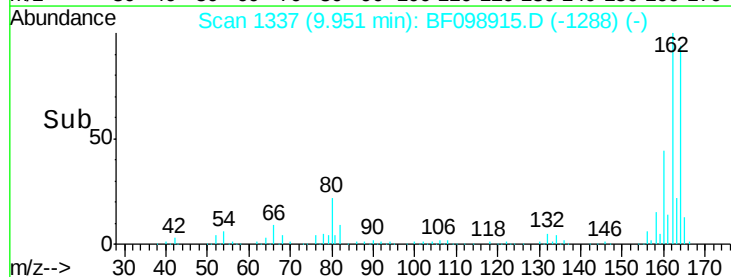
160 47.2 38.3 57.5

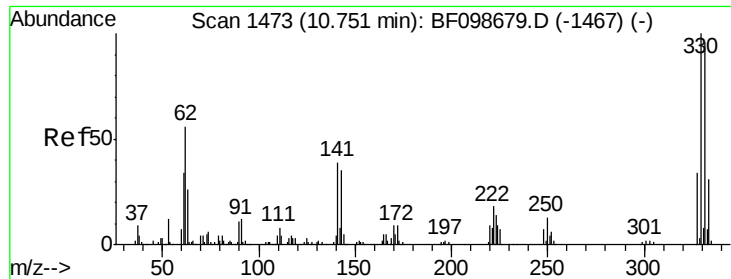


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



Time-->

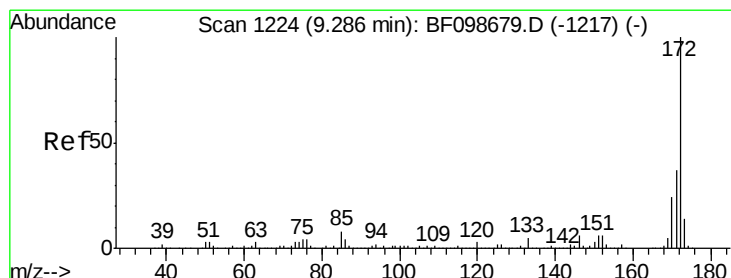
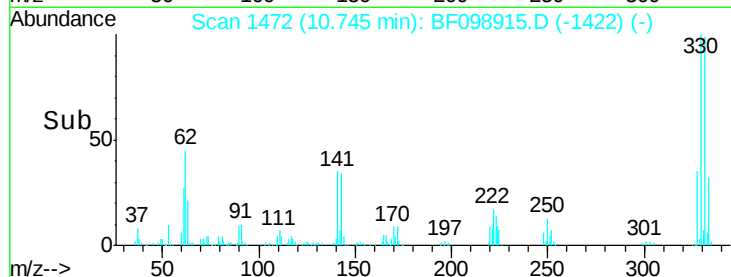
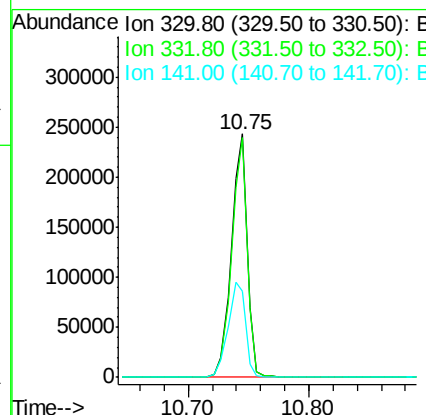
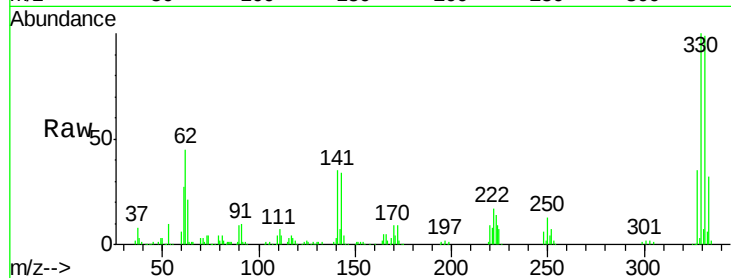




#41  
 2,4,6-Tribromophenol  
 Concen: 113.33 ng  
 RT: 10.75 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BF098915.D  
 Acq: 28 Sep 2017 19:10

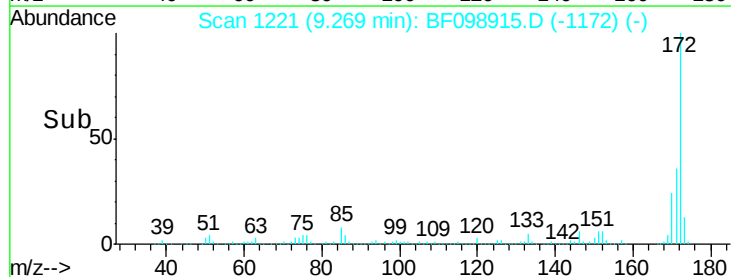
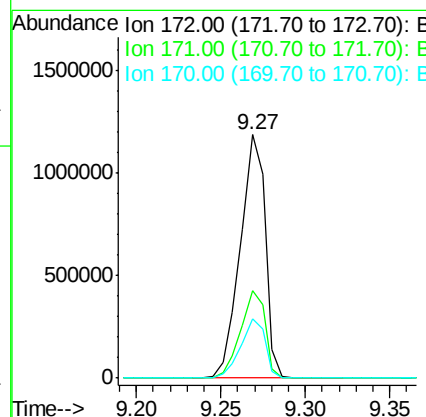
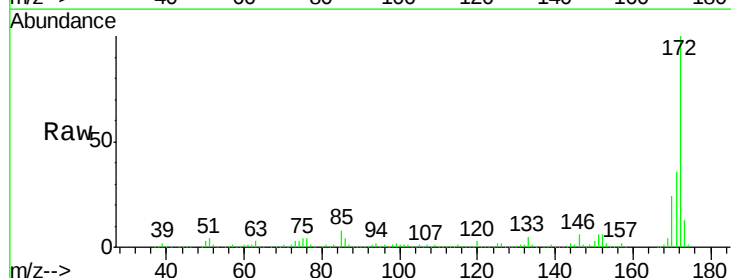
Instrument :  
 BNA\_F  
 ClientSampleId :

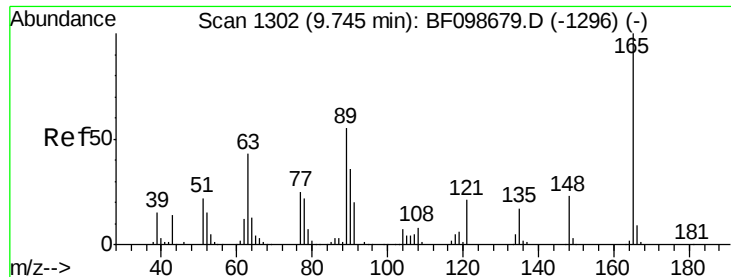
Tot Ion:330 Resp: 221523  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 43.0 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 85.51 ng  
 RT: 9.27 min Scan# 1221  
 Delta R.T. -0.01 min  
 Lab File: BF098915.D  
 Acq: 28 Sep 2017 19:10

Tgt Ion:172 Resp: 1223656  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.7 44.5  
 170 24.1 19.6 29.4

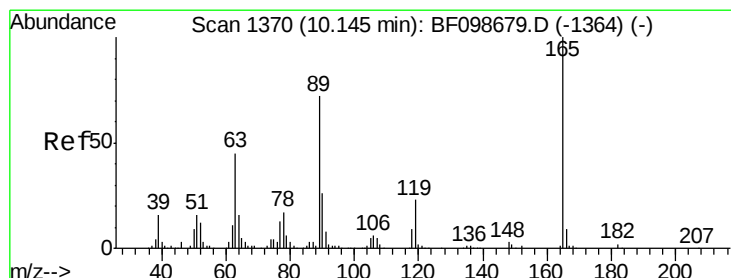
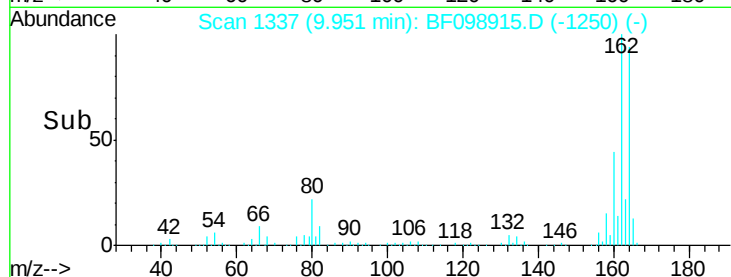
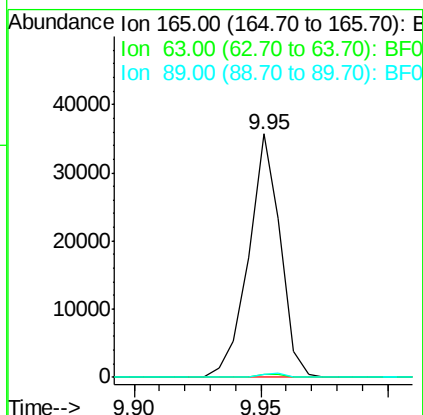
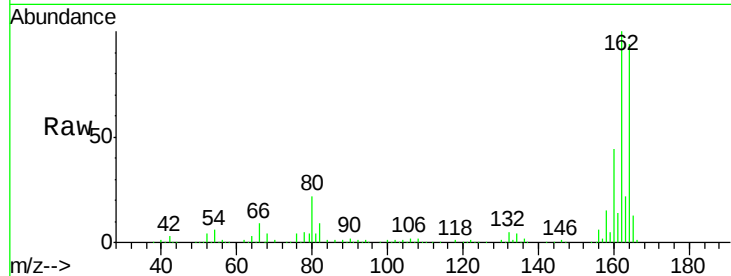




#50  
 2,6-Dinitrotoluene  
 Concen: 7.86 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. 0.21 min  
 Lab File: BF098915.D  
 Acq: 28 Sep 2017 19:10

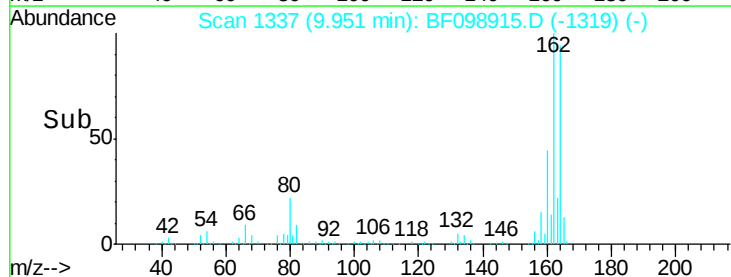
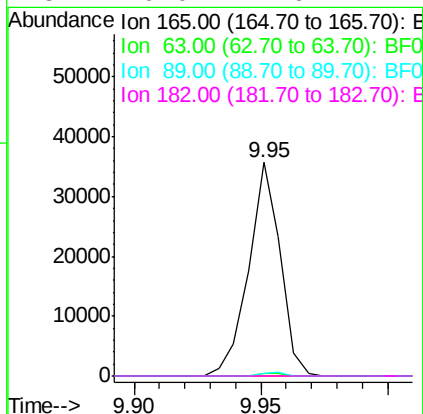
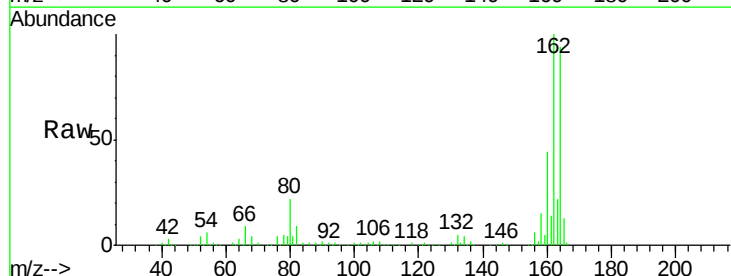
Instrument :  
 BNA\_F  
 ClientSampleId :

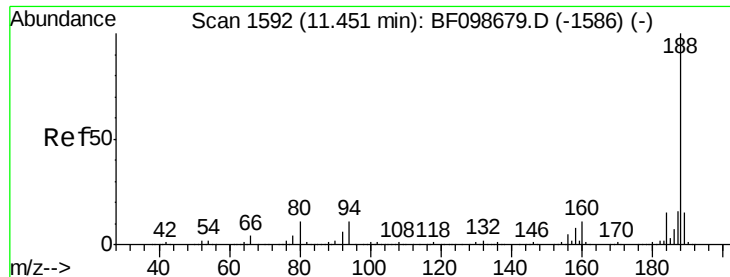
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 44.7  | 67.1# |
| 89      | 1.4   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.06 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. -0.19 min  
 Lab File: BF098915.D  
 Acq: 28 Sep 2017 19:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 36.4  | 54.6# |
| 89      | 1.4   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

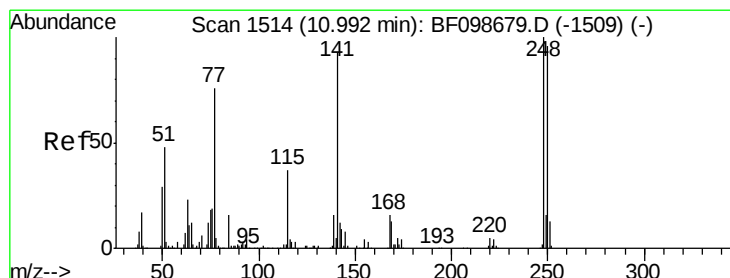
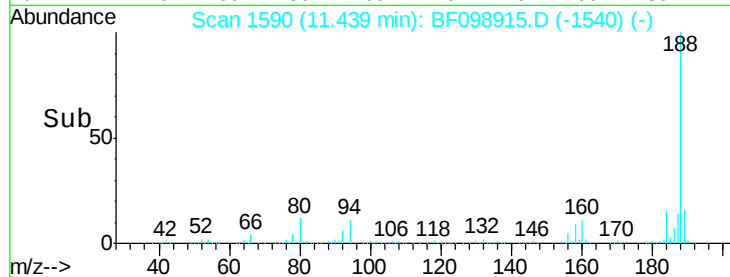
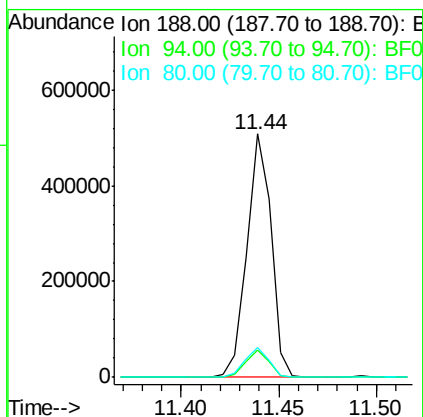
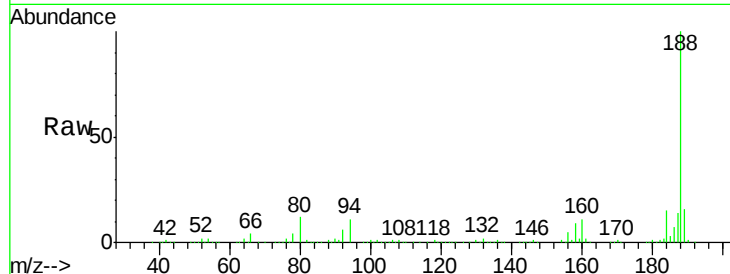




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. -0.01 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

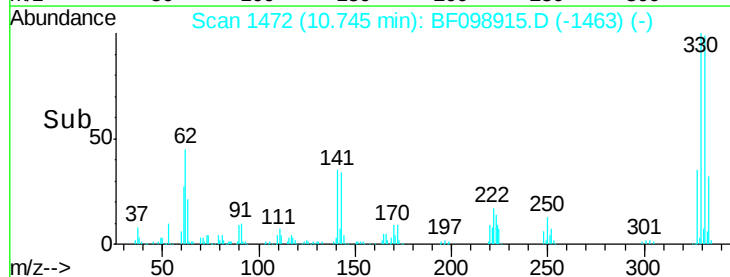
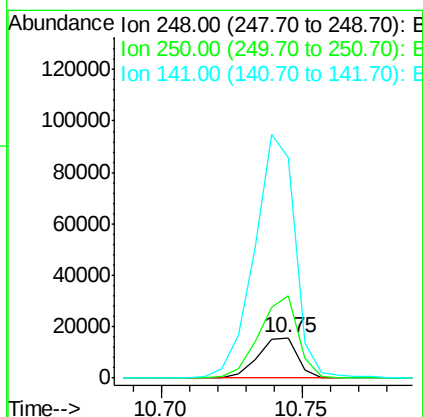
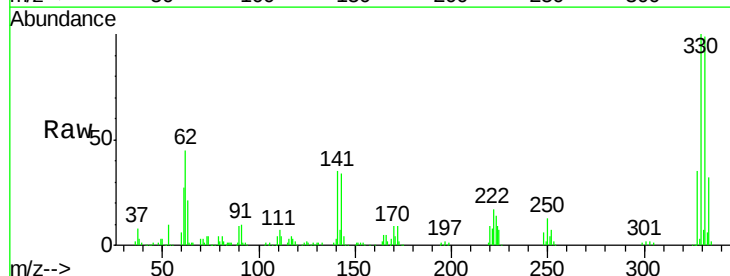
Instrument :  
BNA\_F  
ClientSampleId :

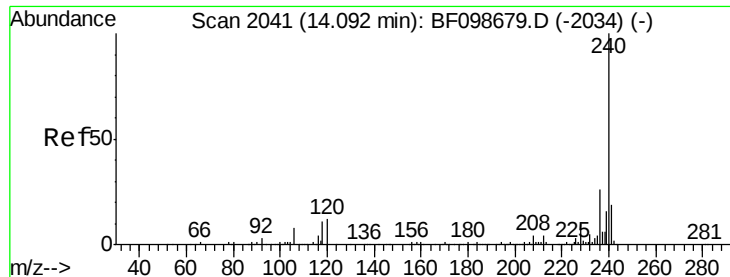
Tot Ion:188 Resp: 438641  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.5 12.7  
80 12.5 9.2 13.8



#66  
4-Bromophenyl-phenylether  
Concen: 3.54 ng  
RT: 10.75 min Scan# 1472  
Delta R.T. -0.25 min  
Lab File: BF098915.D  
Acq: 28 Sep 2017 19:10

Tgt Ion:248 Resp: 15219  
Ion Ratio Lower Upper  
248 100  
250 203.7 76.9 115.3#  
141 545.4 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

Instrument :

BNA\_F

ClientSampleId :

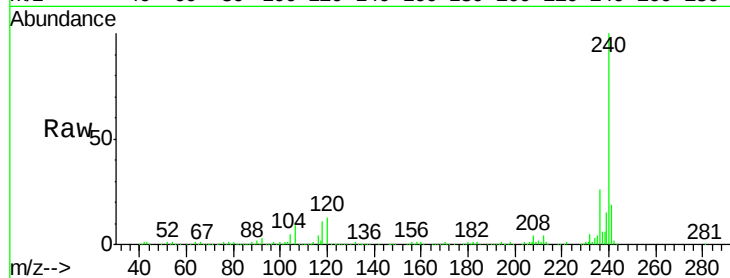
Tot Ion:240 Resp: 276846

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

236 26.4 20.7 31.1



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

14.08

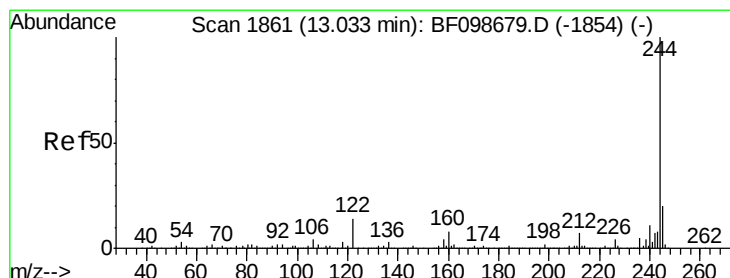
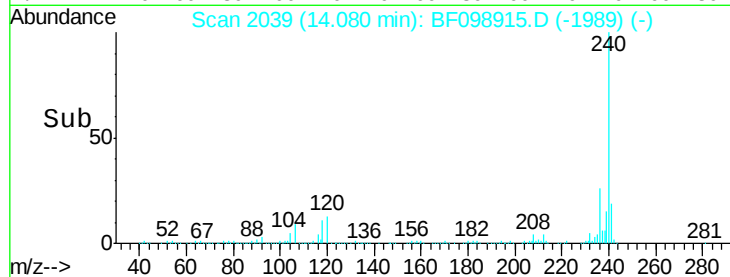
300000

200000

100000

0

Time--> 14.00 14.10



#78

Terphenyl-d14

Concen: 87.39 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098915.D

Acq: 28 Sep 2017 19:10

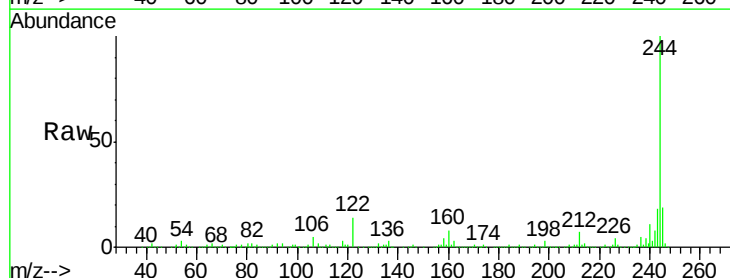
Tgt Ion:244 Resp: 1063814

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 13.7 11.0 16.4



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

13.03

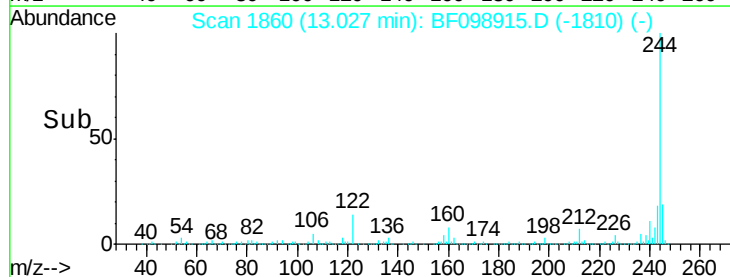
1500000

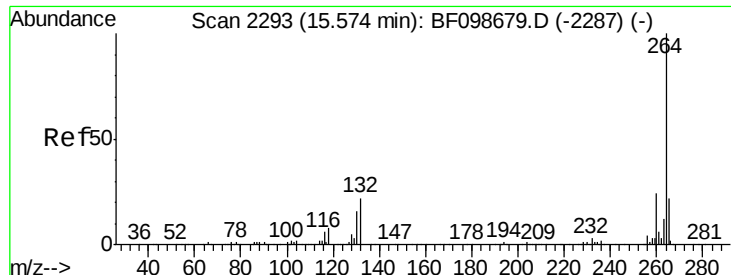
1000000

500000

0

Time--> 13.00 13.10

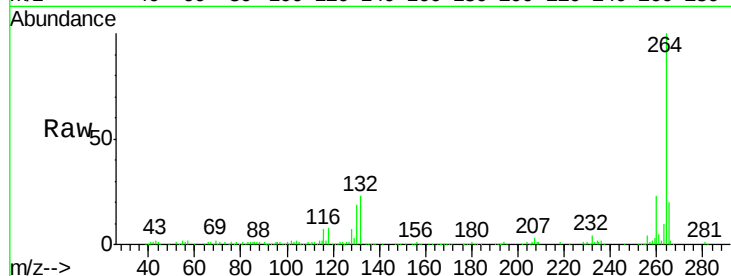




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.57 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BF098915.D  
 Acq: 28 Sep 2017 19:10

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.2  | 28.8  |
| 265     | 20.4  | 17.5  | 26.3  |



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

