

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102816\  
 Data File : BF090917.D  
 Acq On : 28 Oct 2016 19:23  
 Operator : UM/SJ  
 Sample : H5411-09  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TWP-02

Quant Time: Oct 28 23:06:03 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 15:18:12 2016  
 Response via : Initial Calibration

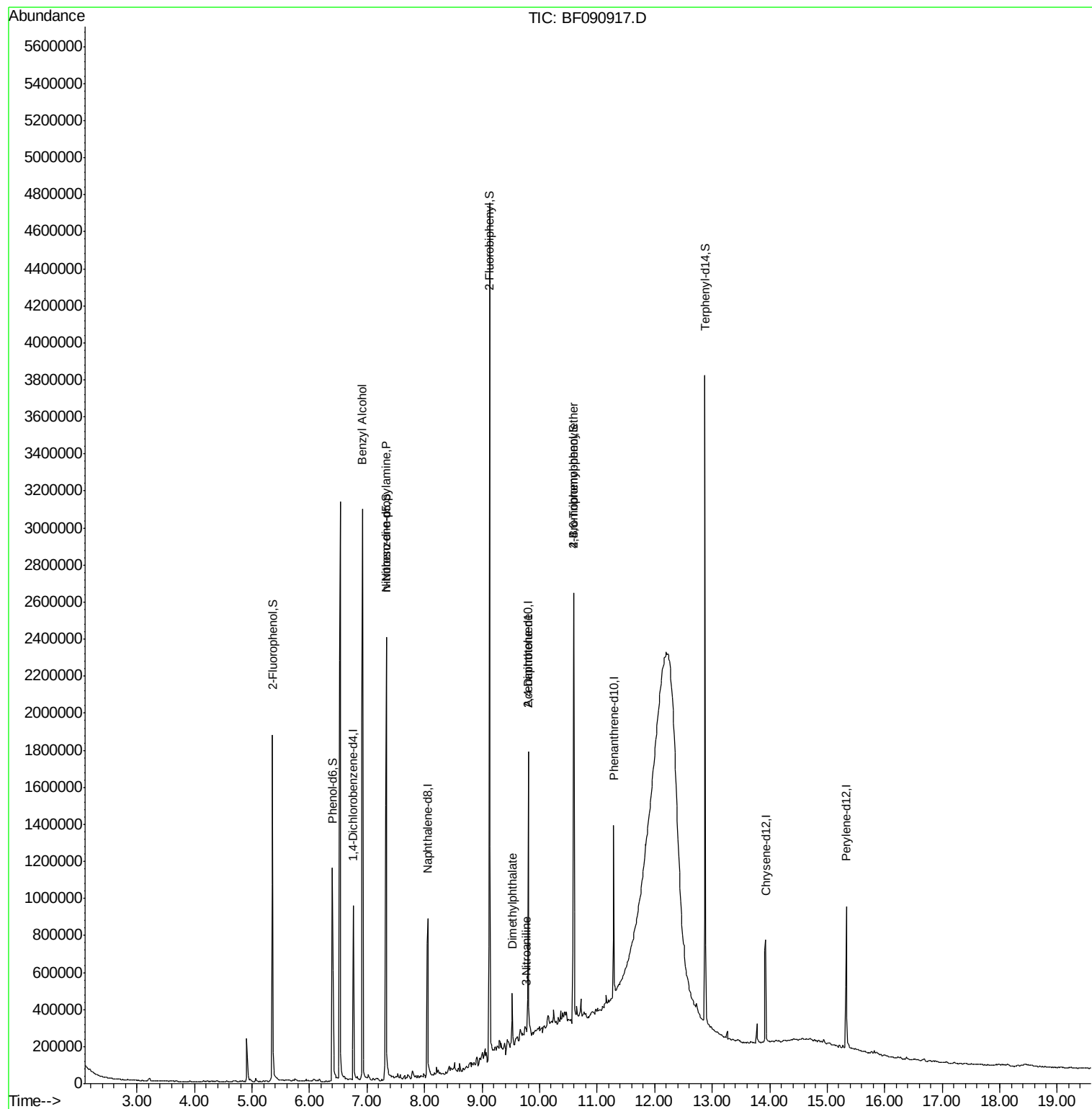
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 152456   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 575682   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.80  | 164  | 293213   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.29 | 188  | 366006   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.93 | 240  | 271859   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.33 | 264  | 314458   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 671597   | 77.02  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 508624   | 43.24  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 1093675  | 124.37 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.59 | 330  | 302048   | 100.24 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.13  | 172  | 1525484  | 91.36  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.88 | 244  | 1058039  | 98.05  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.92  | 79   | 19880    | 2.57   | ng    | # 27     |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 145467   | 21.39  | ng    | # 50     |
| 49) Dimethylphthalate          | 9.53  | 163  | 118786   | 6.06   | ng    | # 97     |
| 52) 3-Nitroaniline             | 9.77  | 138  | 10839    | 2.35   | ng    | # 28     |
| 56) 2,4-Dinitrotoluene         | 9.80  | 165  | 38765    | 7.21   | ng    | # 34     |
| 66) 4-Bromophenyl-phenylether  | 10.59 | 248  | 19917    | 4.97   | ng    | # 1      |

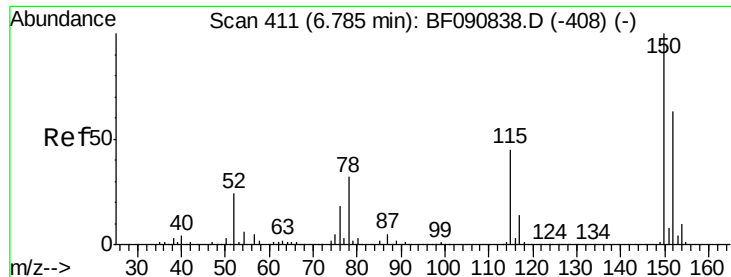
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 28 15:18:12 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

Instrument :

BNA\_F

ClientSampled :

TWP-02

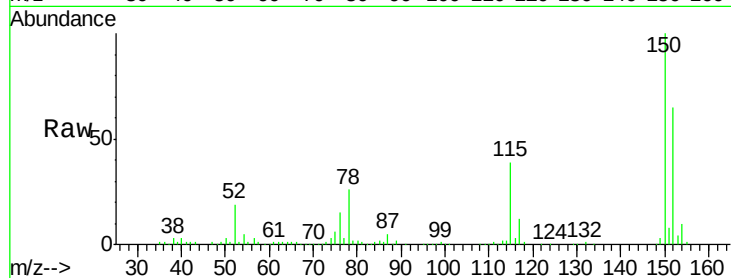
Tgt Ion:152 Resp: 152456

Ion Ratio Lower Upper

152 100

150 154.2 124.7 187.1

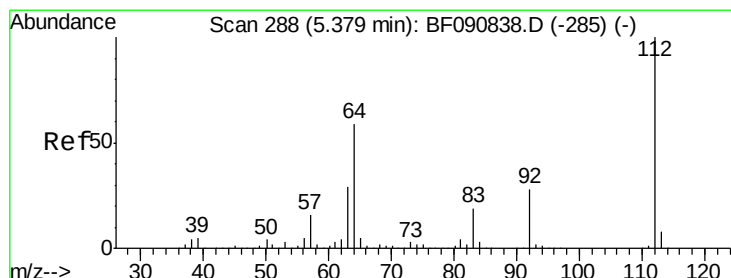
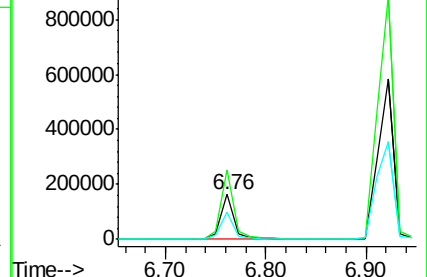
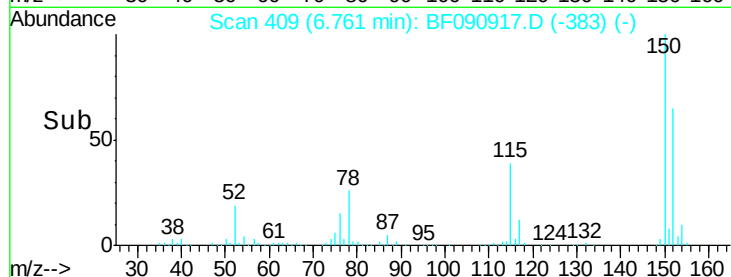
115 60.9 39.0 58.4#



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: 77.02 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.00 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

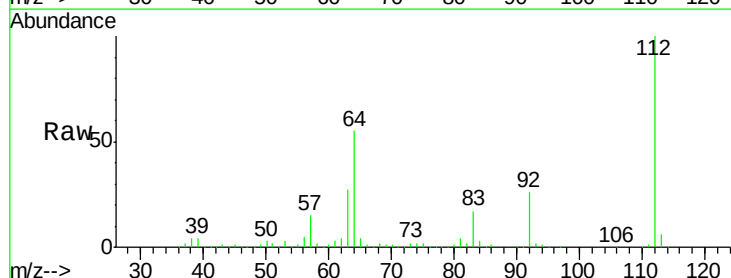
Tgt Ion:112 Resp: 671597

Ion Ratio Lower Upper

112 100

64 55.5 39.7 59.5

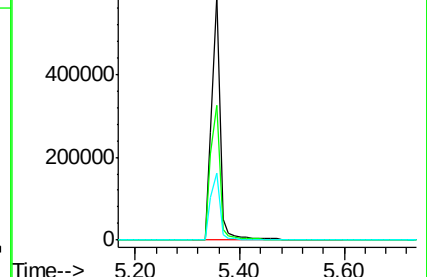
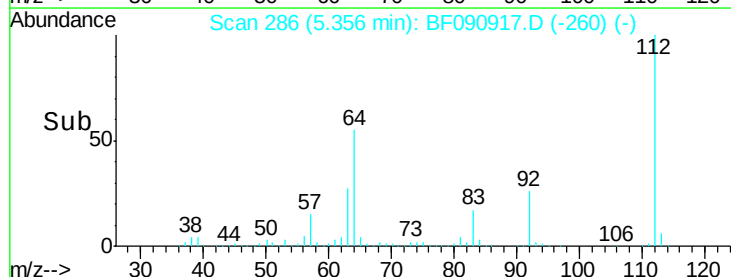
63 27.3 17.4 26.0#

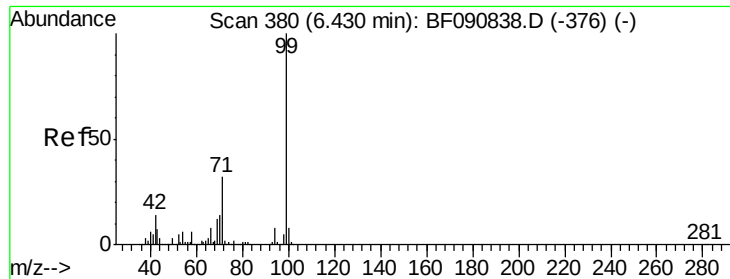


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.24 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

Instrument :

BNA\_F

ClientSampleId :

TWP-02

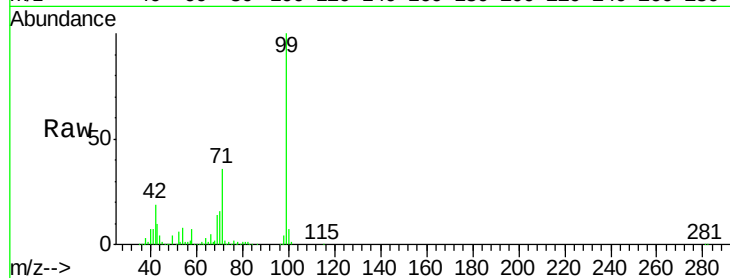
Tgt Ion: 99 Resp: 508624

Ion Ratio Lower Upper

99 100

42 18.6 13.7 20.5

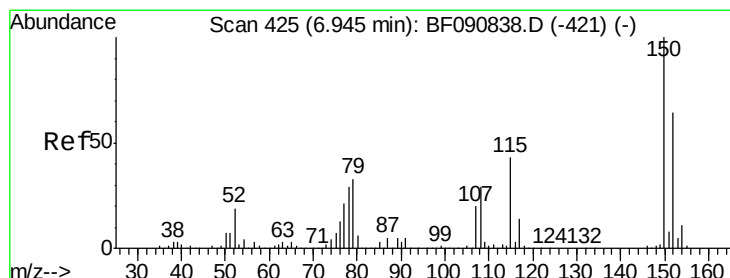
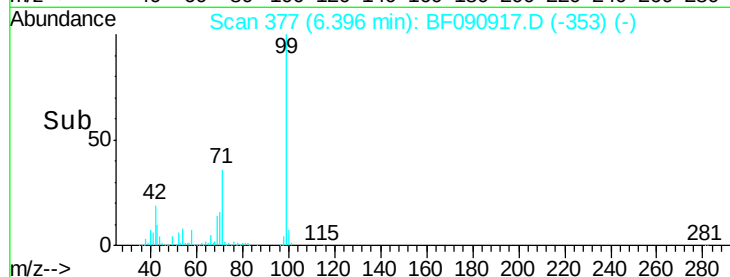
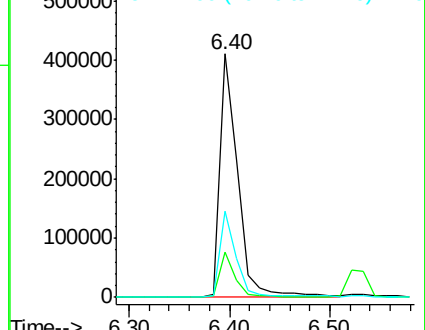
71 35.5 14.2 21.2#



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: 2.57 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

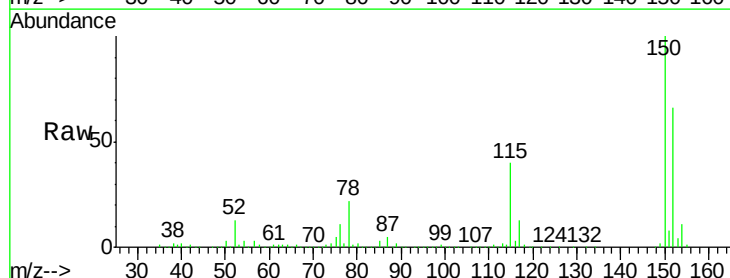
Tgt Ion: 79 Resp: 19880

Ion Ratio Lower Upper

79 100

108 31.3 88.6 132.8#

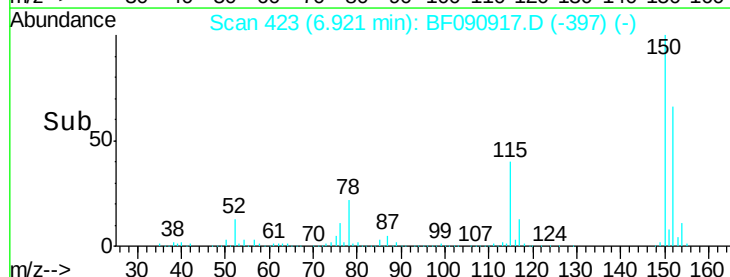
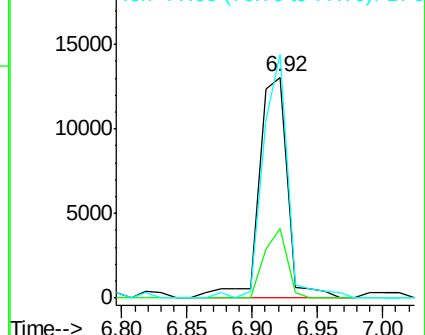
77 110.1 47.0 70.4#

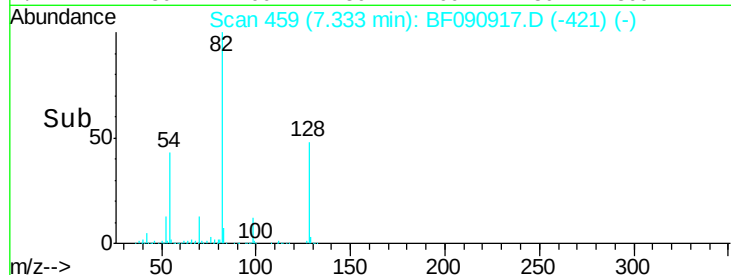
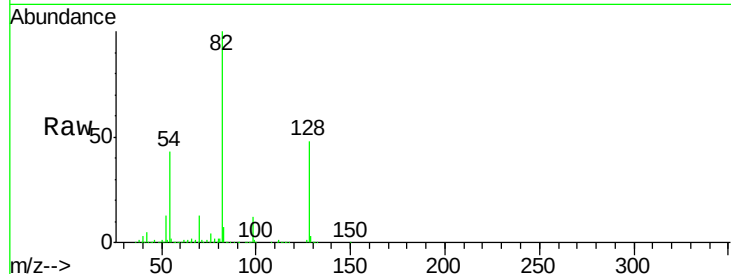
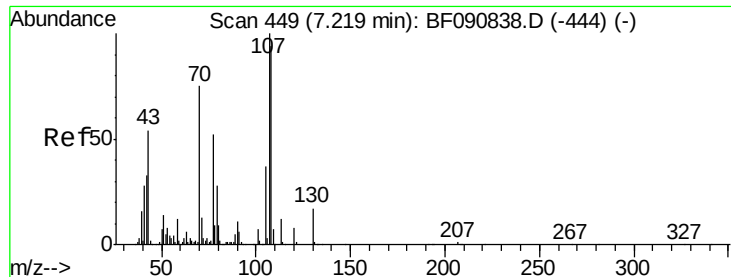


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

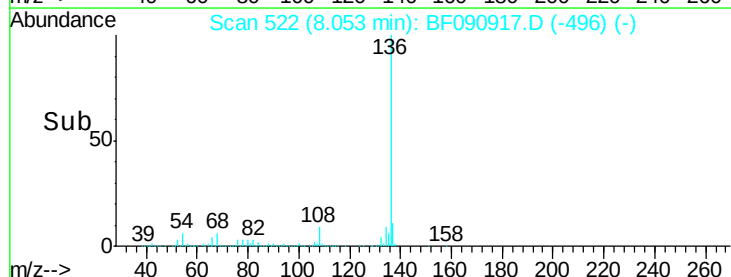
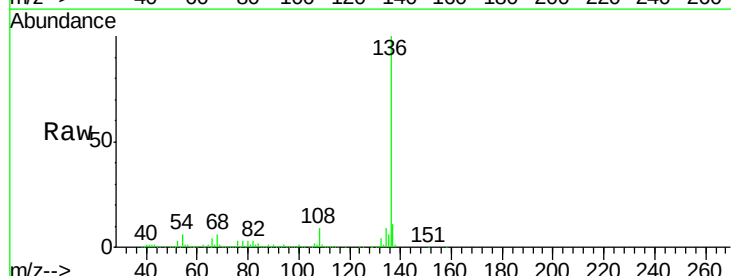
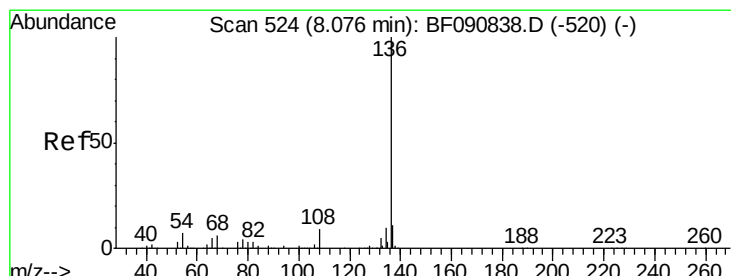
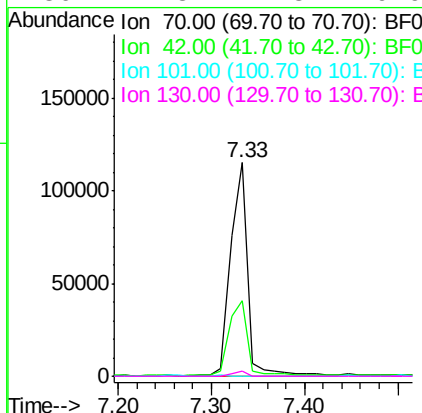




#19  
n-Nitroso-di-n-propylamine  
Concen: 21.39 ng  
RT: 7.33 min Scan# 459  
Delta R.T. 0.14 min  
Lab File: BF090917.D  
Acq: 28 Oct 2016 19:23

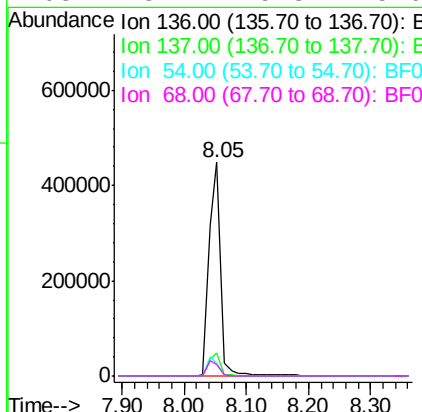
Instrument :  
BNA\_F  
ClientSampleId :  
TWP-02

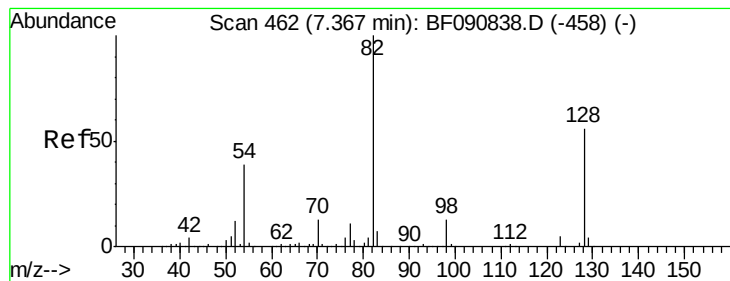
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 145467 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 35.4  | 63.8  | 95.6#  |
| 101      | 0.0   | 9.2   | 13.8#  |
| 130      | 2.3   | 27.3  | 40.9#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.05 min Scan# 522  
Delta R.T. 0.00 min  
Lab File: BF090917.D  
Acq: 28 Oct 2016 19:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 575682 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.0   | 13.6   |
| 54       | 5.8   | 8.2   | 12.2#  |
| 68       | 5.7   | 5.8   | 8.6#   |





#23

Nitrobenzene-d5

Concen: 124.37 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

Instrument :

BNA\_F

ClientSampleId :

TWP-02

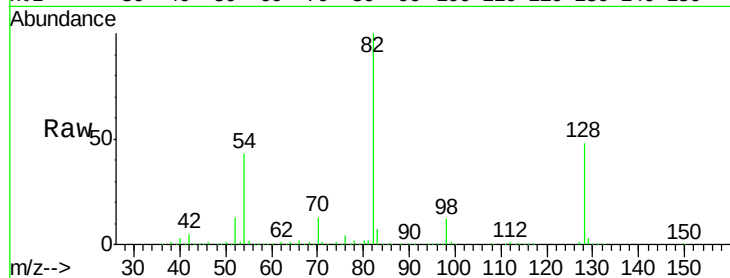
Tgt Ion: 82 Resp: 1093675

Ion Ratio Lower Upper

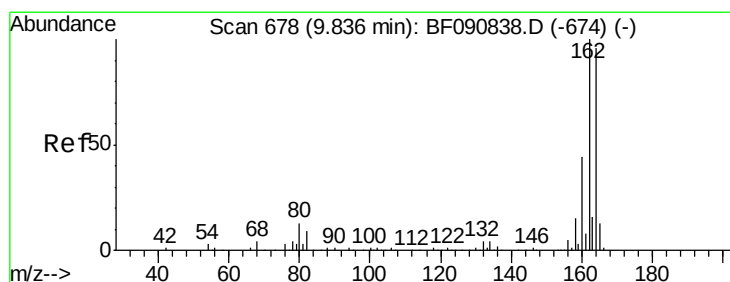
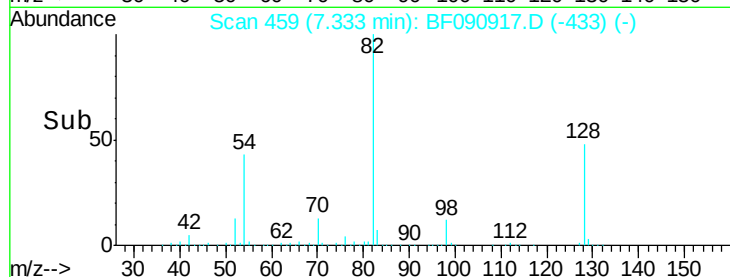
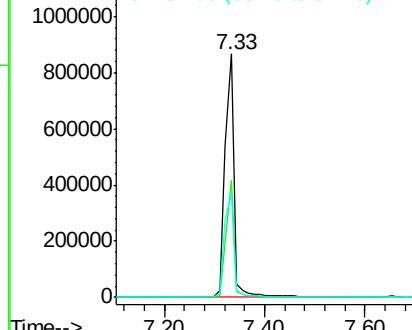
82 100

128 48.0 51.0 76.6#

54 42.7 47.5 71.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF090917.D

Acq: 28 Oct 2016 19:23

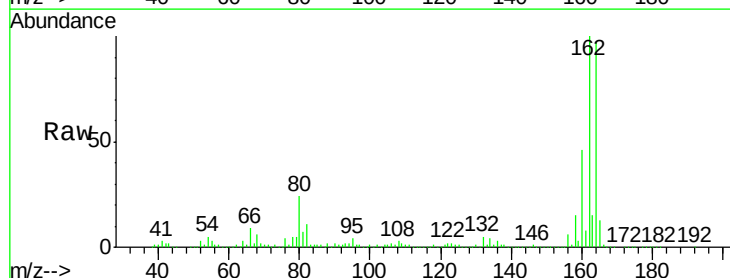
Tgt Ion: 164 Resp: 293213

Ion Ratio Lower Upper

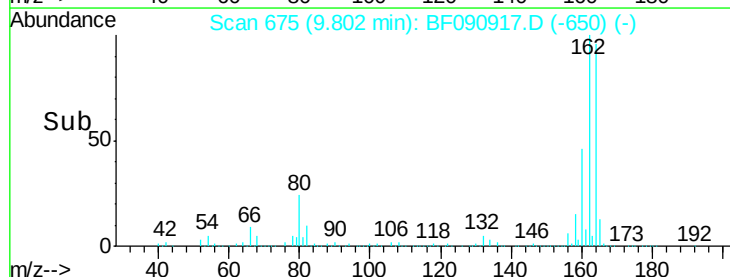
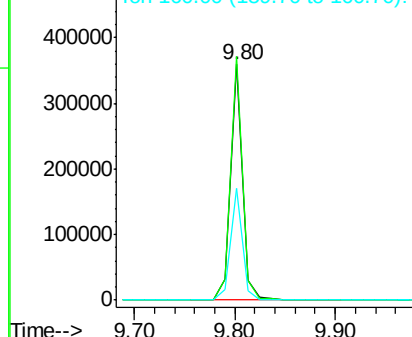
164 100

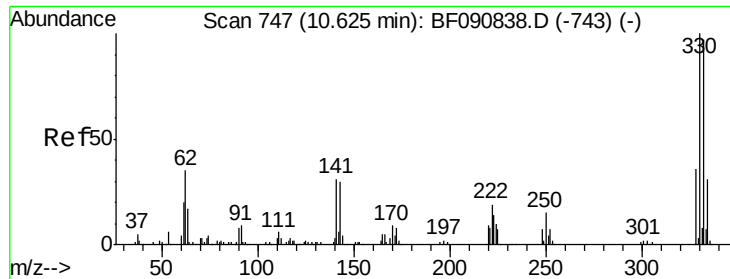
162 103.2 75.2 112.8

160 47.4 31.5 47.3#



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

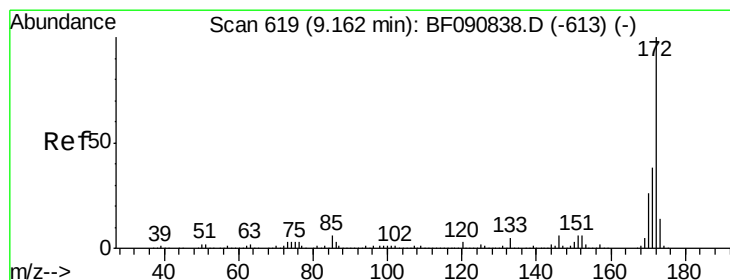
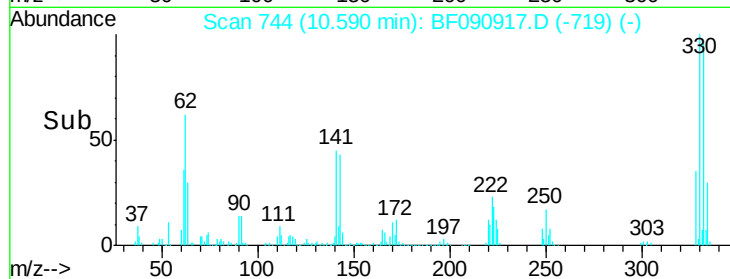
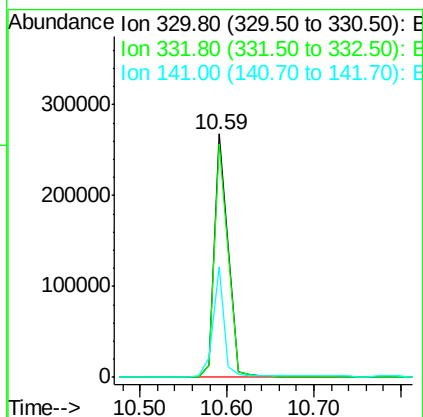
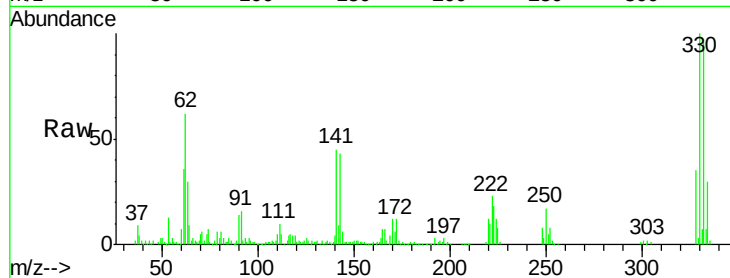




#41  
 2,4,6-Tribromophenol  
 Concen: 100.24 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF090917.D  
 Acq: 28 Oct 2016 19:23

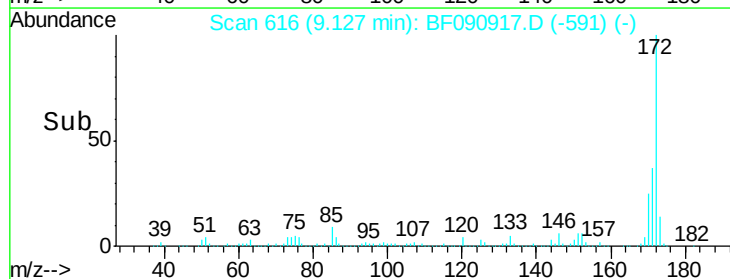
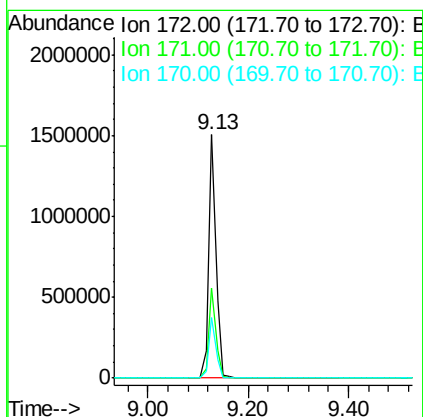
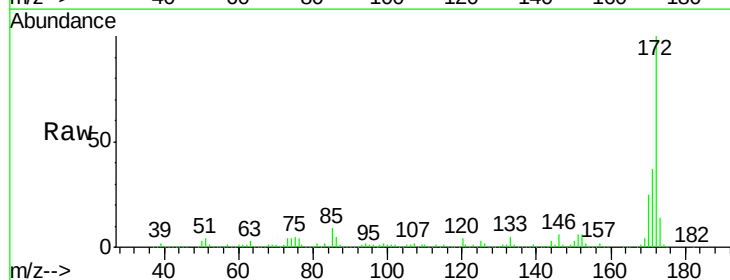
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TWP-02

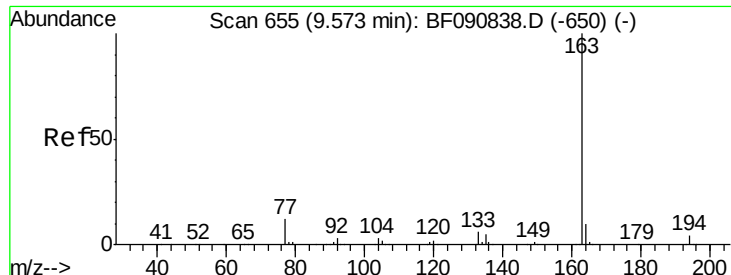
Tgt Ion:330 Resp: 302048  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.6 114.8  
 141 36.2 29.7 44.5



#44  
 2-Fluorobiphenyl  
 Concen: 91.36 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF090917.D  
 Acq: 28 Oct 2016 19:23

Tgt Ion:172 Resp: 1525484  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 26.1 39.1  
 170 24.9 17.4 26.2

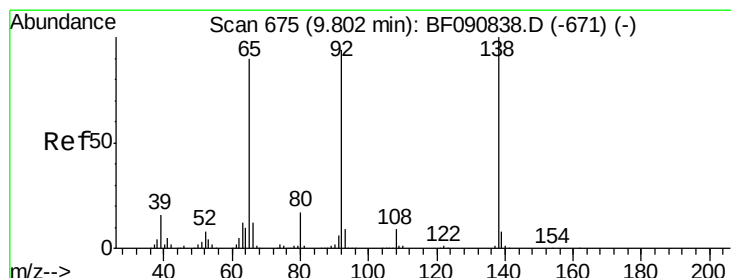
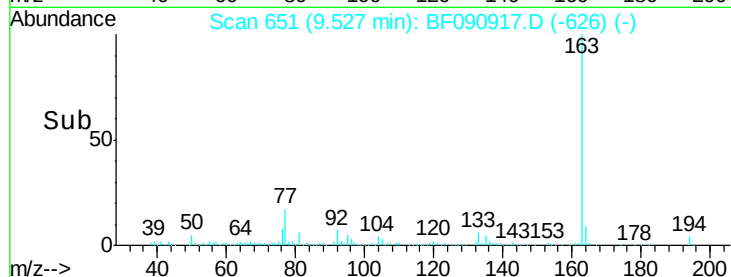
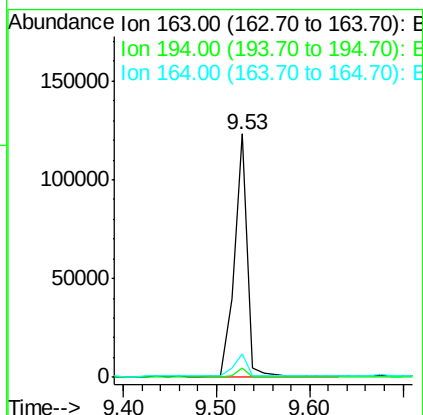
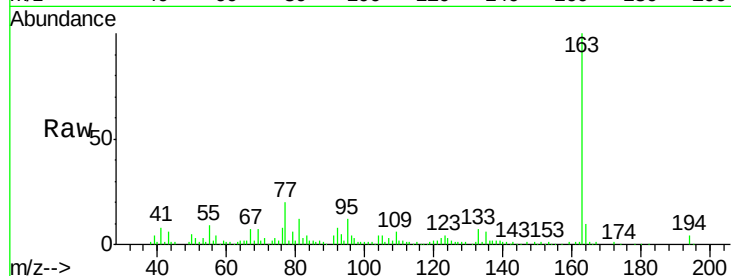




#49  
Dimethylphthalate  
Concen: 6.06 ng  
RT: 9.53 min Scan# 651  
Delta R.T. -0.01 min  
Lab File: BF090917.D  
Acq: 28 Oct 2016 19:23

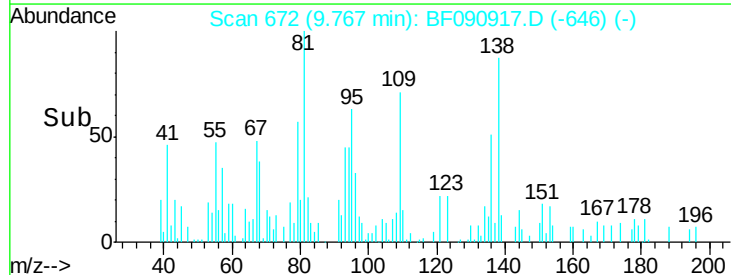
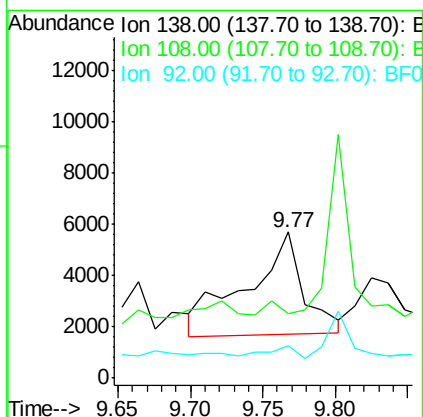
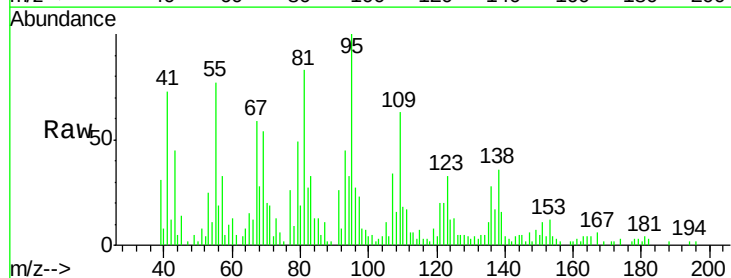
Instrument :  
BNA\_F  
ClientSampleId :  
TWP-02

Tgt Ion:163 Resp: 118786  
Ion Ratio Lower Upper  
163 100  
194 3.6 4.4 6.6#  
164 9.8 8.3 12.5

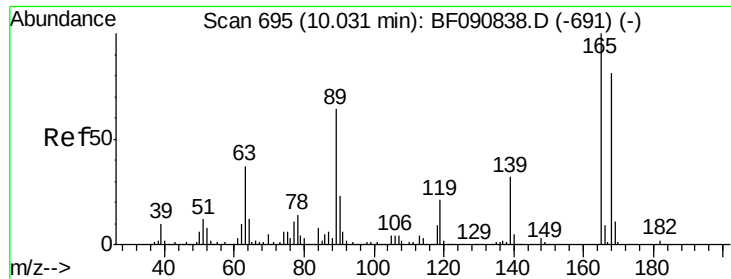


#52  
3-Nitroaniline  
Concen: 2.35 ng  
RT: 9.77 min Scan# 672  
Delta R.T. 0.00 min  
Lab File: BF090917.D  
Acq: 28 Oct 2016 19:23

Tgt Ion:138 Resp: 10839  
Ion Ratio Lower Upper  
138 100  
108 43.7 5.7 8.5#  
92 22.0 67.7 101.5#



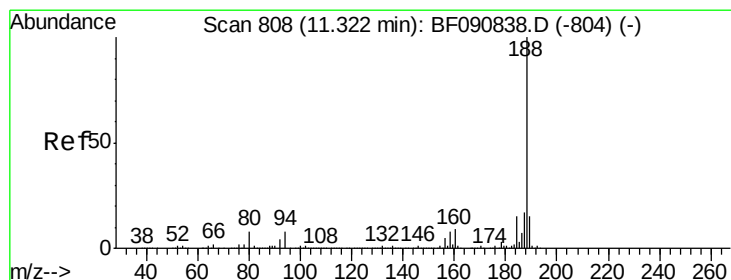
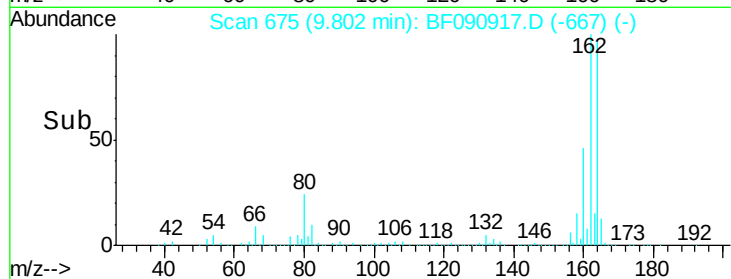
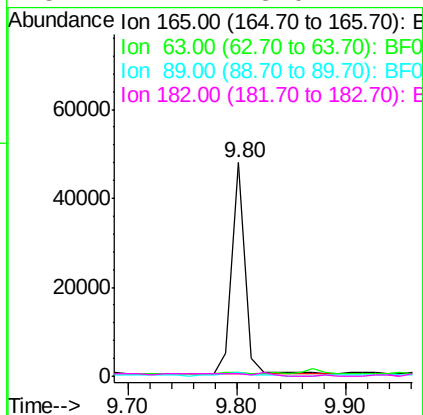
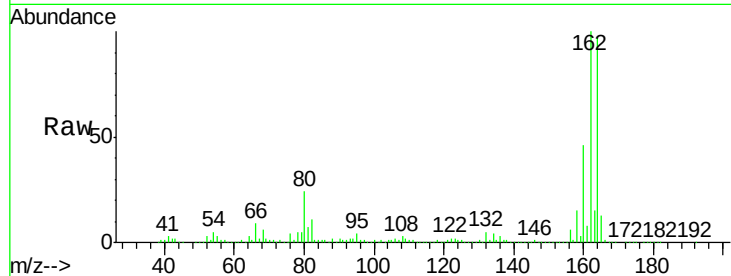




#56  
 2,4-Dinitrotoluene  
 Concen: 7.21 ng  
 RT: 9.80 min Scan# 675  
 Delta R.T. -0.21 min  
 Lab File: BF090917.D  
 Acq: 28 Oct 2016 19:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TWP-02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 38765 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.0   | 29.8  | 44.6# |
| 89       | 1.6   | 44.5  | 66.7# |
| 182      | 1.2   | 3.0   | 4.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.29 min Scan# 805  
 Delta R.T. 0.00 min  
 Lab File: BF090917.D  
 Acq: 28 Oct 2016 19:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 366006 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.6   | 11.1  | 16.7#  |
| 80       | 10.2  | 11.0  | 16.4#  |

