

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\  
 Data File : BF098956.D  
 Acq On : 29 Sep 2017 18:58  
 Operator : SJ/JU  
 Sample : I5473-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 29 19:24:33 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

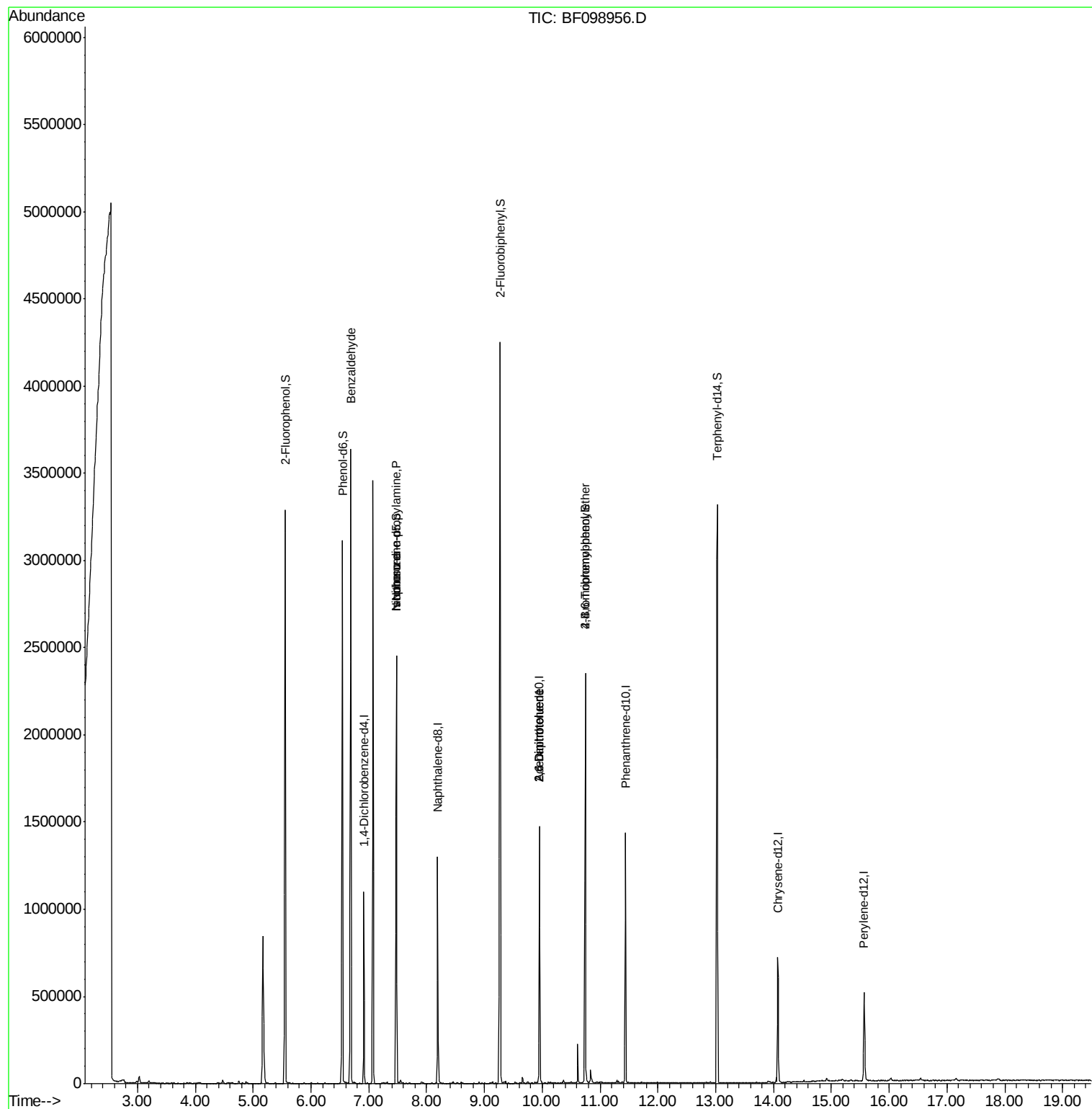
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.92  | 152  | 146298   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.19  | 136  | 617382   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.95  | 164  | 277477   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.44 | 188  | 446815   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.07 | 240  | 230229   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.57 | 264  | 224732   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 1124552  | 122.36 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.55  | 99   | 1208498  | 106.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.48  | 82   | 960166   | 99.74  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.75 | 330  | 297864   | 131.19 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.27  | 172  | 1651987  | 99.39  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.03 | 244  | 1155283  | 114.12 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.69  | 77   | 25312    | 3.849  | ng    | 86       |
| 19) n-Nitroso-di-n-propylamine | 7.48  | 70   | 127630   | 17.633 | ng    | # 75     |
| 25) Isophorone                 | 7.48  | 82   | 960150   | 48.239 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.95  | 165  | 34828    | 7.639  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.95  | 165  | 34828    | 5.886  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.75 | 248  | 19606    | 4.483  | ng    | # 1      |

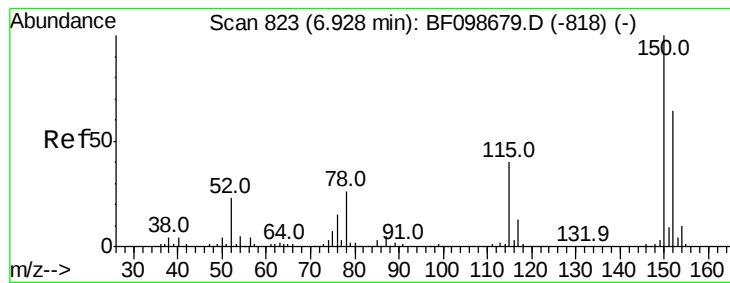
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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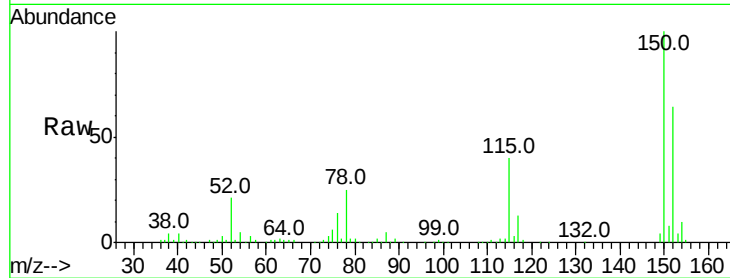


#1

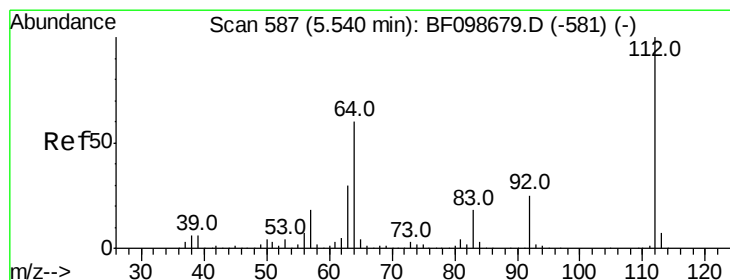
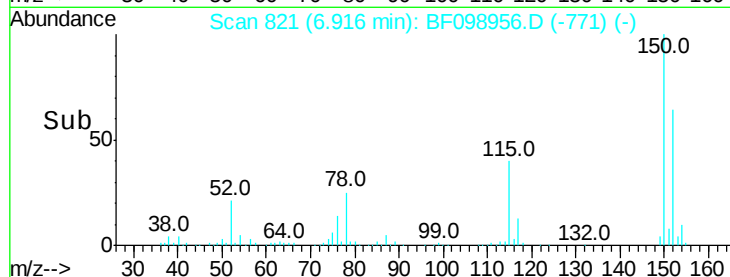
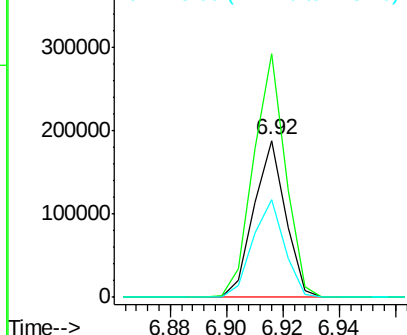
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.92 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 146298  
Ion Ratio Lower Upper  
152 100  
150 155.3 124.6 186.8  
115 62.0 50.1 75.1



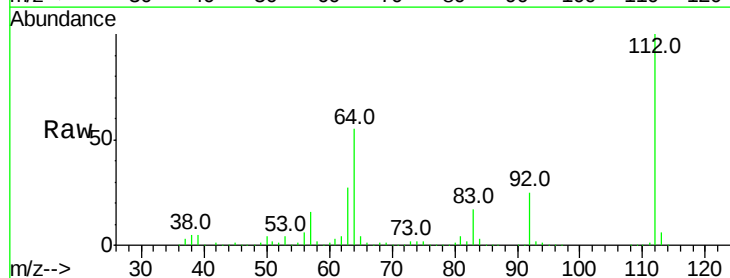
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



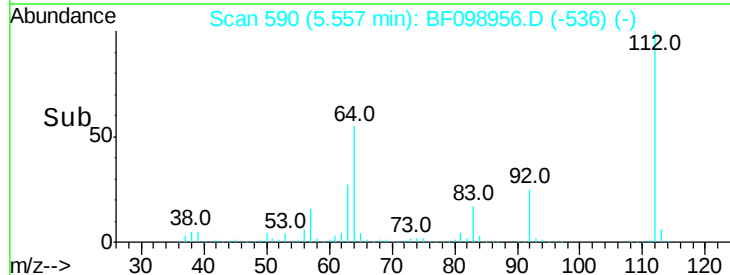
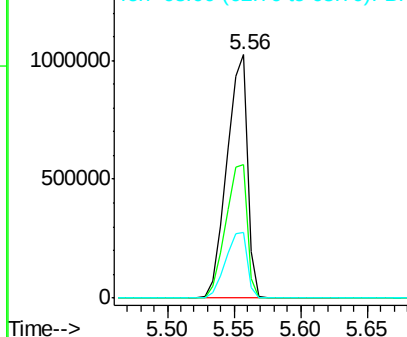
#5

2-Fluorophenol  
Concen: 122.365 ng  
RT: 5.56 min Scan# 590  
Delta R.T. 0.02 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

Tgt Ion:112 Resp: 1124552  
Ion Ratio Lower Upper  
112 100  
64 54.8 47.9 71.9  
63 26.9 23.7 35.5



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: 106.597 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098956.D

Acq: 29 Sep 2017 18:58

Instrument :

BNA\_F

ClientSampleId :

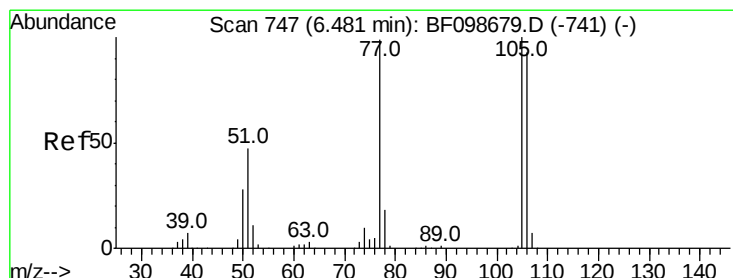
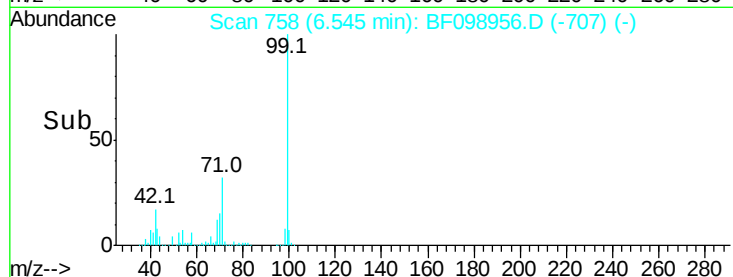
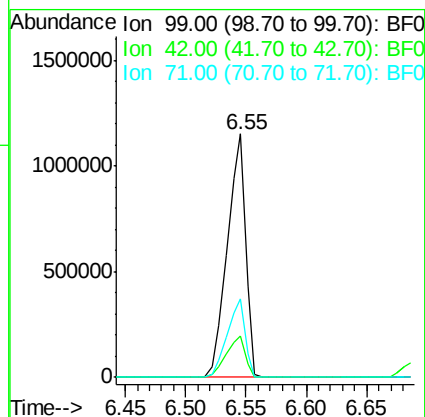
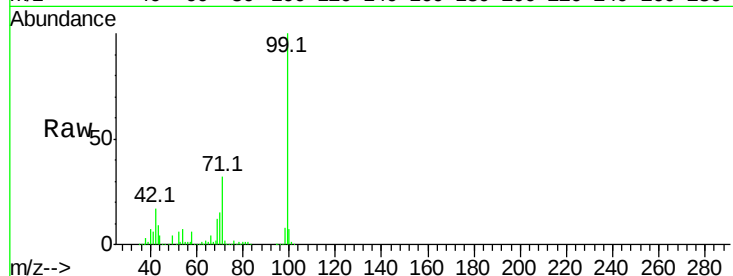
Tot Ion: 99 Resp: 1208498

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 32.2 25.4 38.0



#9

Benzaldehyde

Concen: 3.849 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.22 min

Lab File: BF098956.D

Acq: 29 Sep 2017 18:58

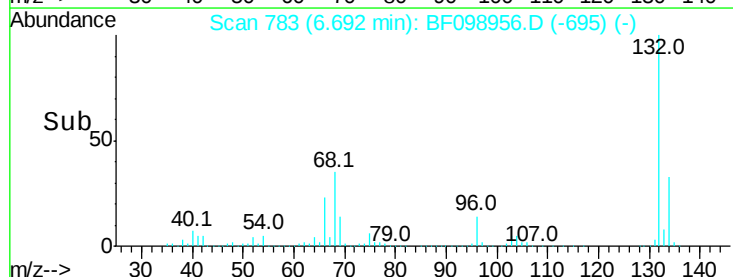
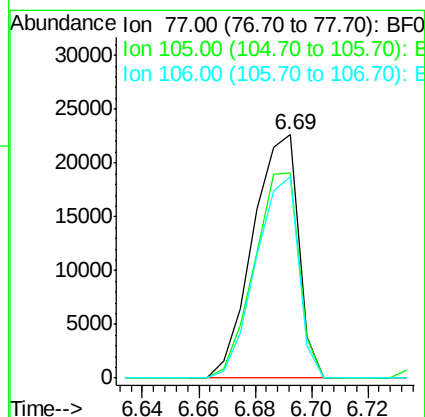
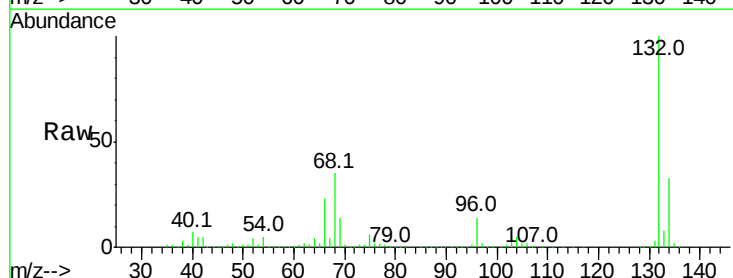
Tgt Ion: 77 Resp: 25312

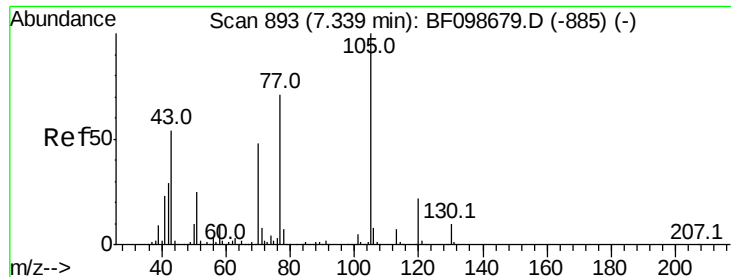
Ion Ratio Lower Upper

77 100

105 84.5 81.1 121.1

106 82.5 74.5 114.5

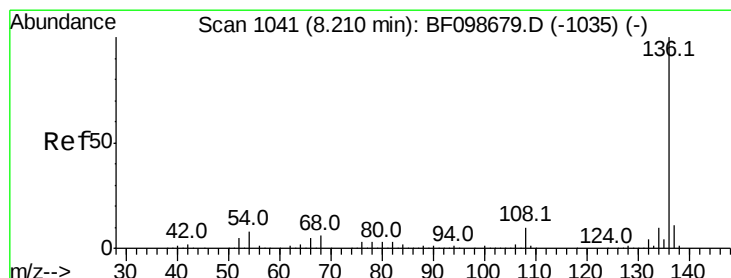
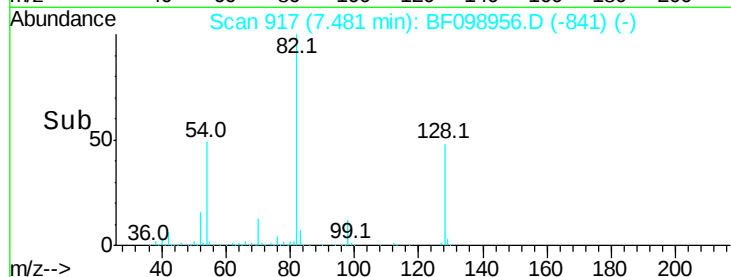
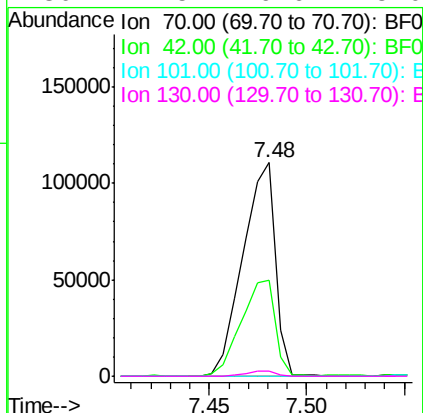
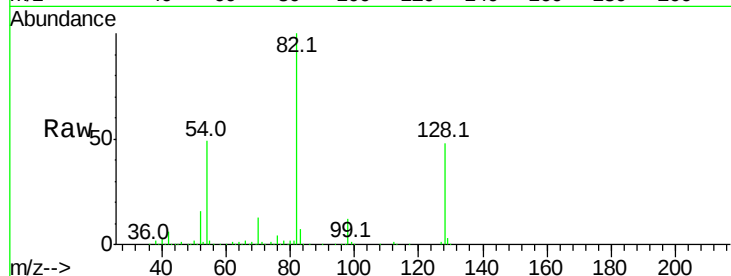




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.633 ng  
RT: 7.48 min Scan# 917  
Delta R.T. 0.15 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

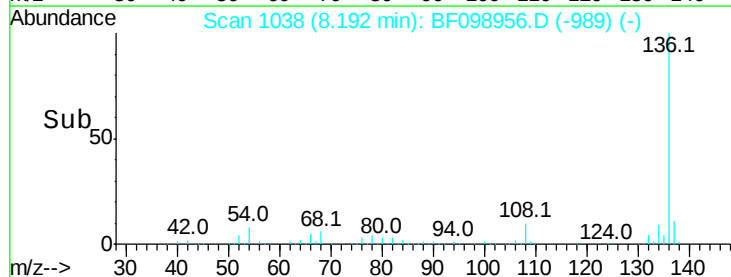
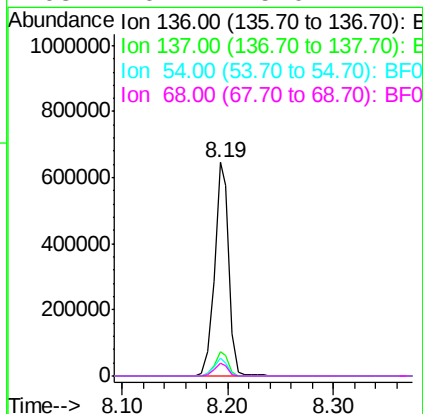
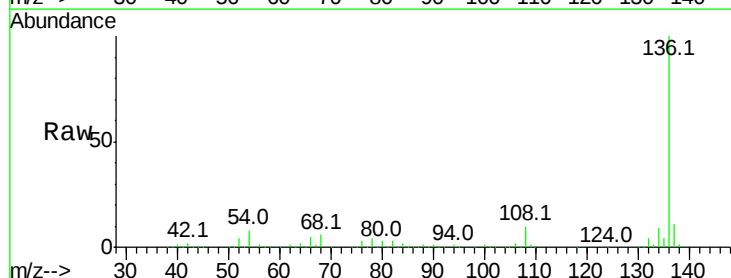
Instrument :  
BNA\_F  
ClientSampleId :

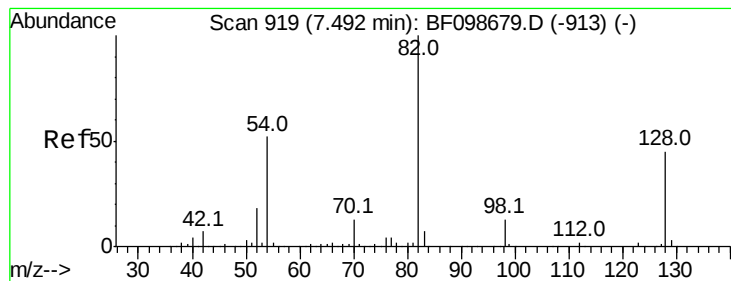
Tot Ion: 70 Resp: 127630  
Ion Ratio Lower Upper  
70 100  
42 44.8 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.5 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.19 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

Tgt Ion:136 Resp: 617382  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 8.4 6.6 9.8  
68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 99.737 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098956.D

Acq: 29 Sep 2017 18:58

Instrument :

BNA\_F

ClientSampleId :

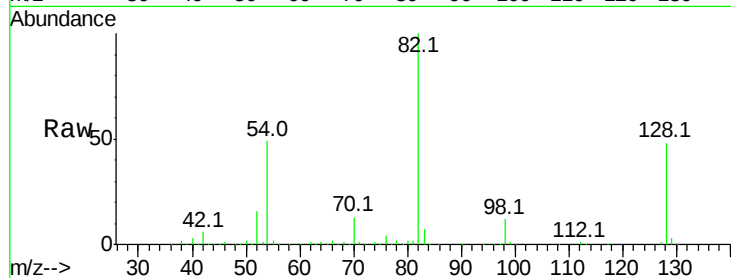
Tot Ion: 82 Resp: 960166

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

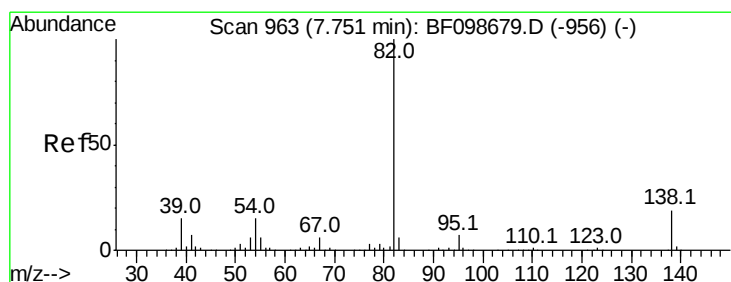
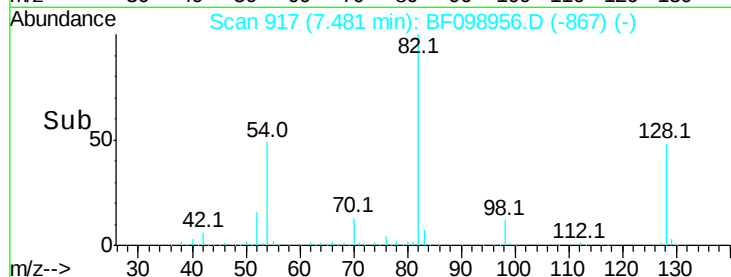
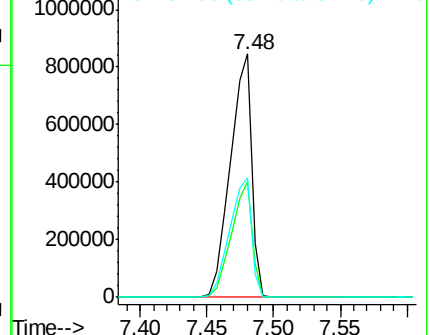
54 49.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 48.239 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098956.D

Acq: 29 Sep 2017 18:58

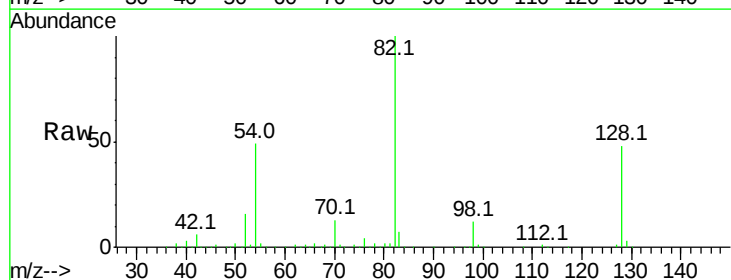
Tgt Ion: 82 Resp: 960150

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

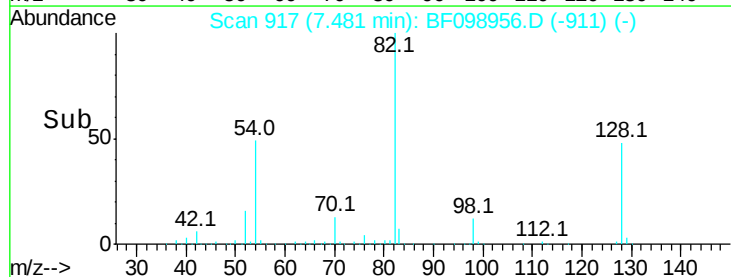
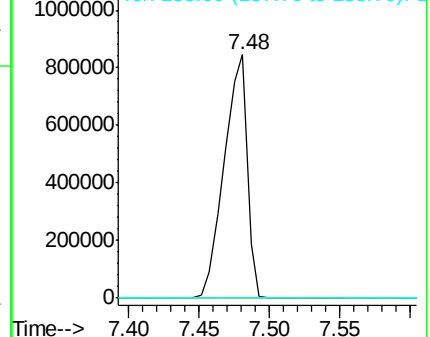
138 0.0 14.9 22.3#

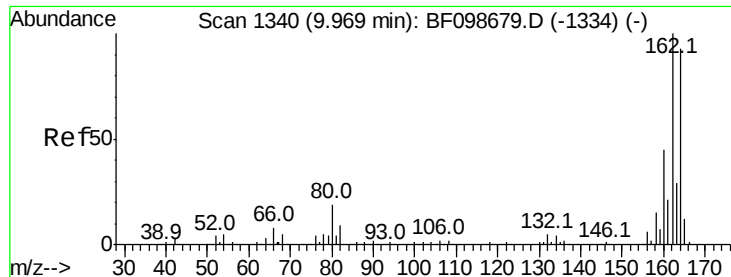


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

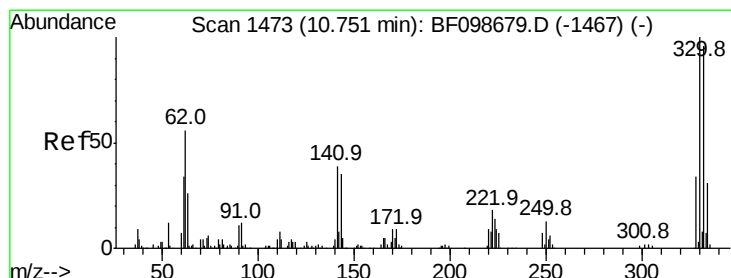
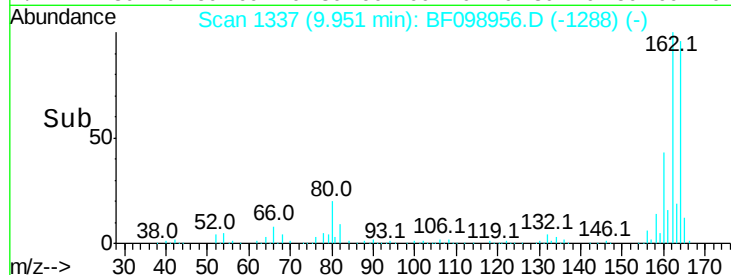
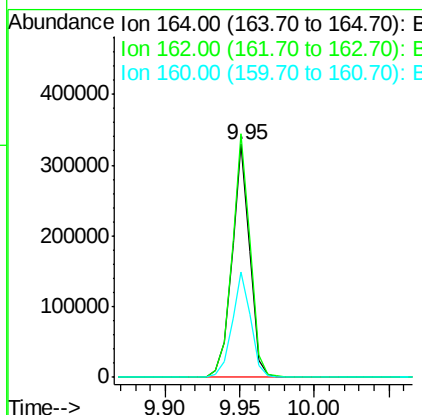
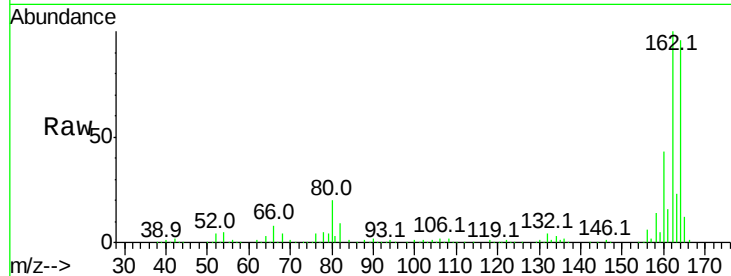




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

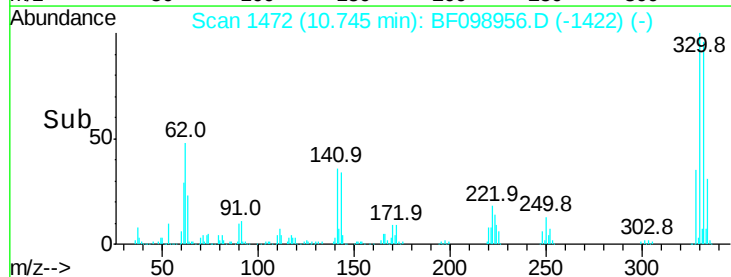
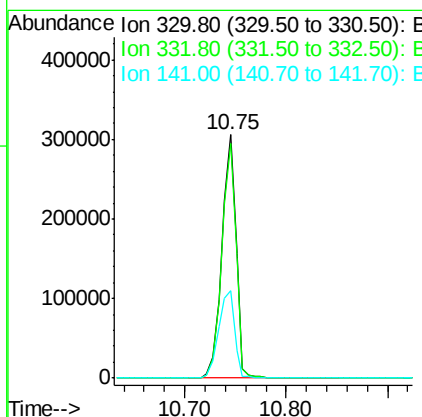
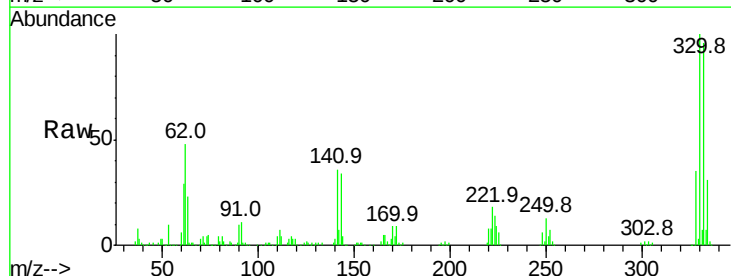
Instrument :  
 BNA\_F  
 ClientSampleId :

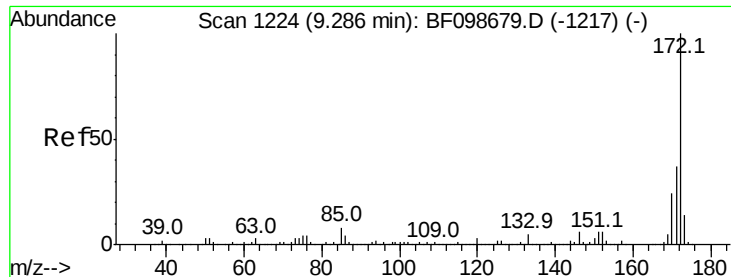
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.4 | 86.1  | 129.1 |
| 160     | 45.4  | 38.3  | 57.5  |



#41  
 2,4,6-Tribromophenol  
 Concen: 131.188 ng  
 RT: 10.75 min Scan# 1472  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.0  | 115.6 |
| 141     | 40.8  | 29.9  | 44.9  |



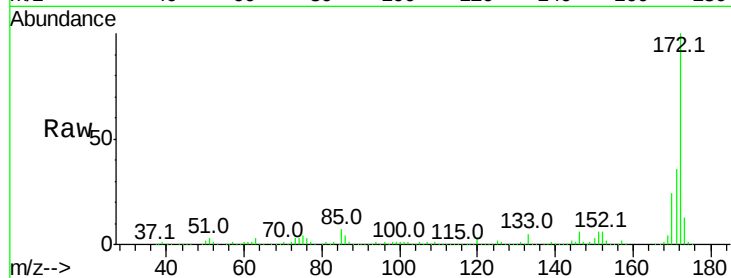


#44  
 2-Fluorobiphenyl  
 Concen: 99.390 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

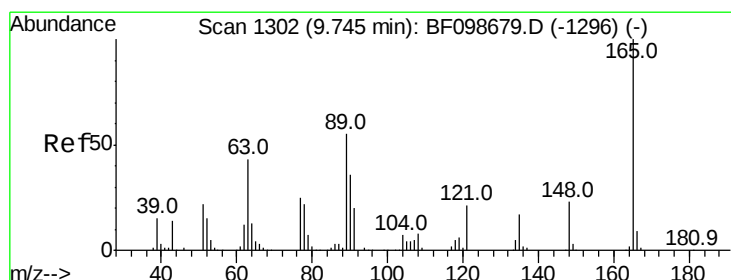
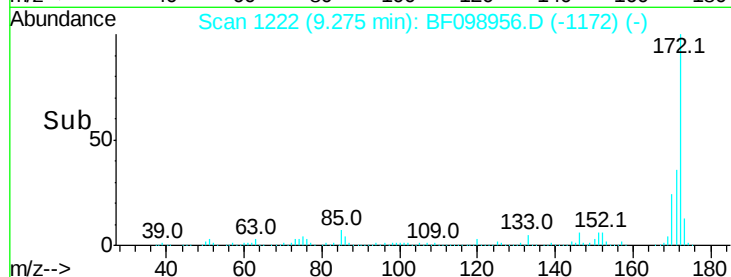
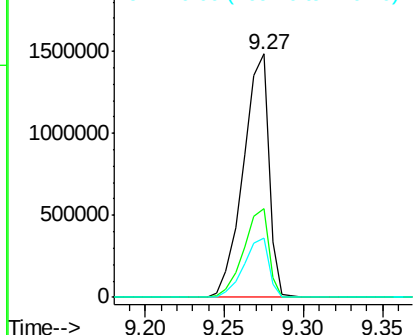
Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1651987  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.7  | 44.5  |
| 170 | 24.3  | 19.6  | 29.4  |



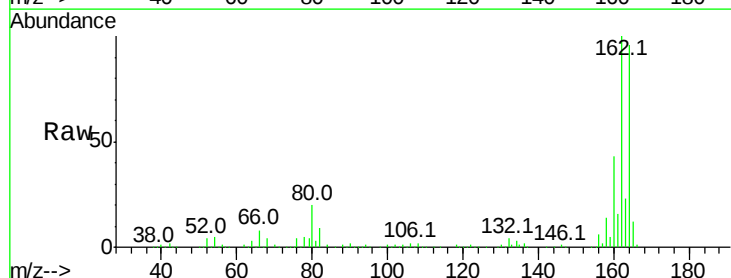
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



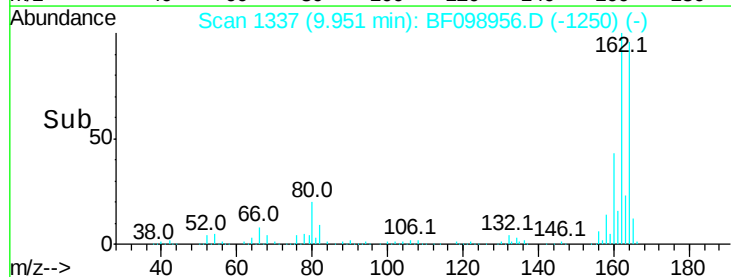
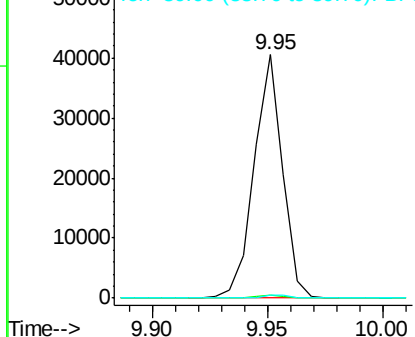
#50  
 2,6-Dinitrotoluene  
 Concen: 7.639 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. 0.21 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

Tgt Ion:165 Resp: 34828  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.1   | 44.7  | 67.1# |
| 89  | 1.3   | 44.0  | 66.0# |



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

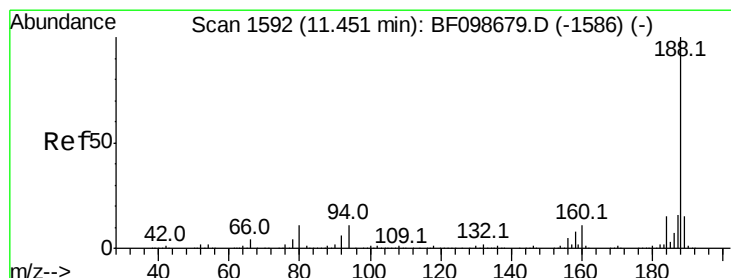
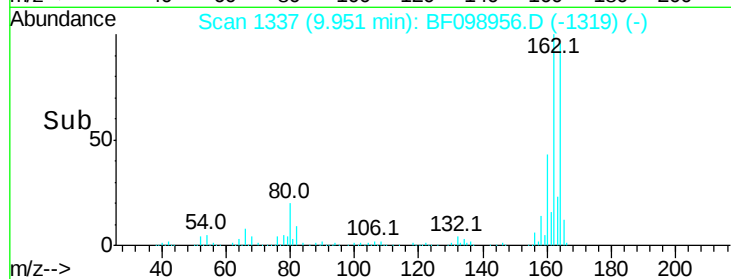
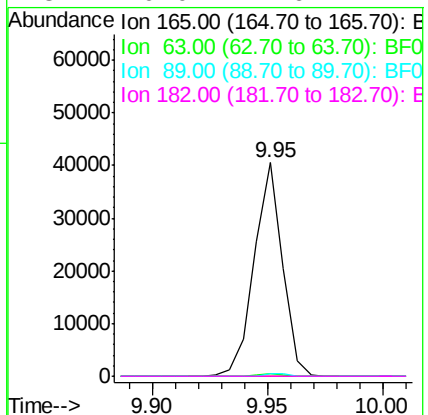
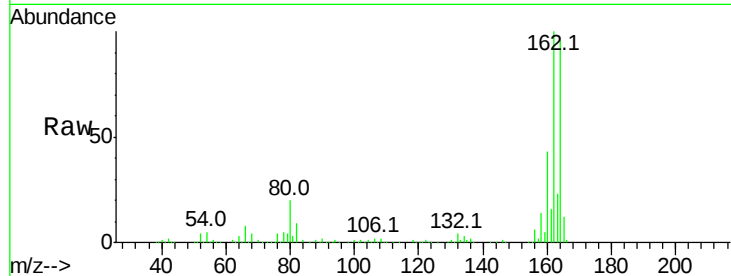




#56  
 2,4-Dinitrotoluene  
 Concen: 5.886 ng  
 RT: 9.95 min Scan# 1337  
 Delta R.T. -0.19 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

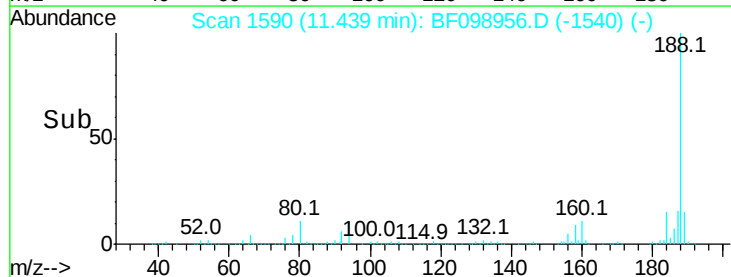
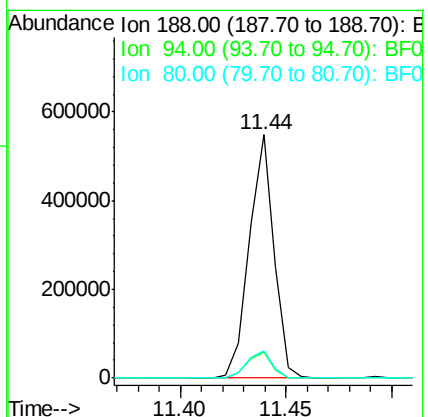
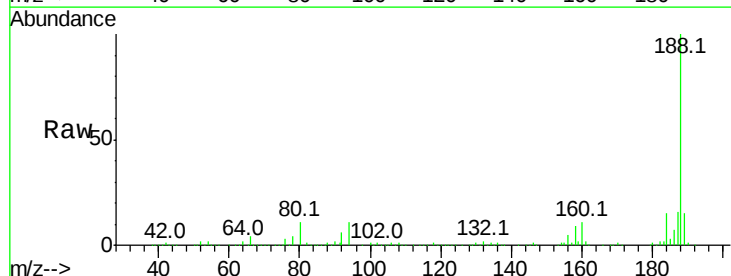
Instrument :  
 BNA\_F  
 ClientSampleId :

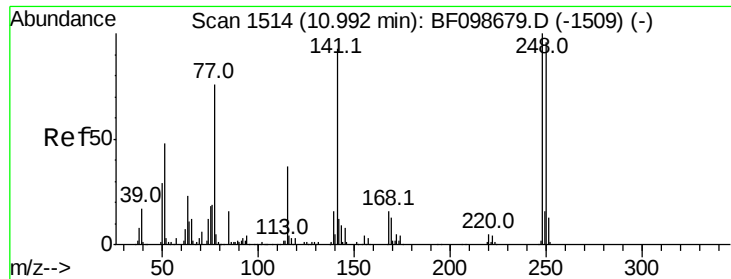
Tot Ion:165 Resp: 34828  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 36.4 54.6#  
 89 1.3 57.8 86.6#  
 182 0.0 1.6 2.4#



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.44 min Scan# 1590  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

Tgt Ion:188 Resp: 446815  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 8.5 12.7  
 80 11.2 9.2 13.8

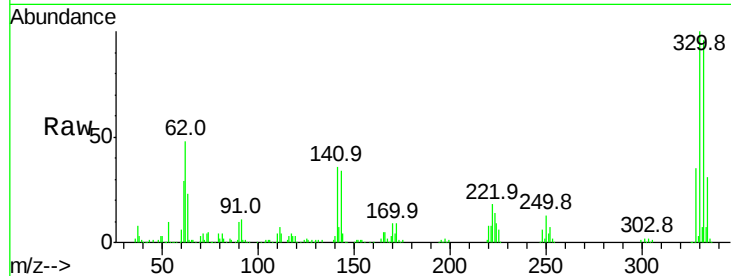




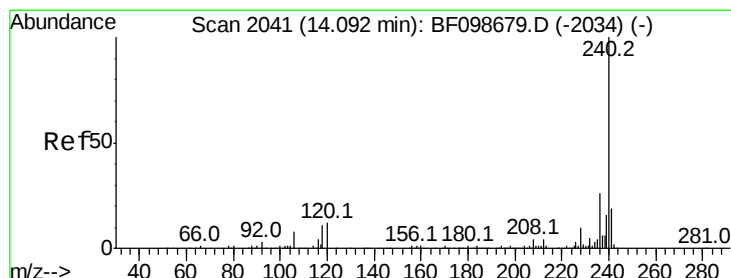
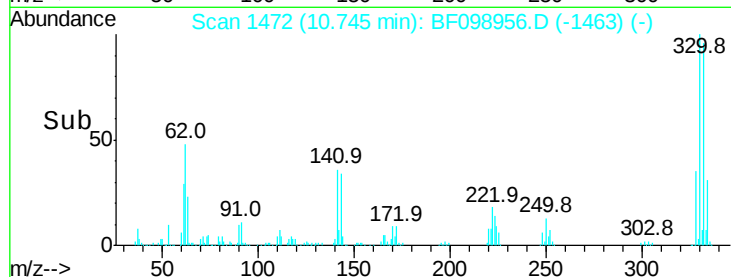
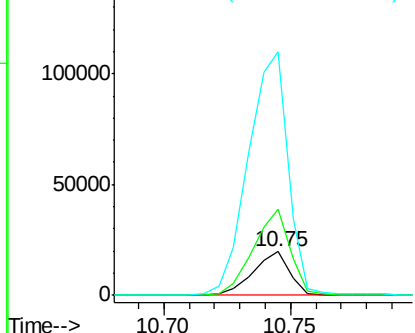
#66  
4-Bromophenyl-phenylether  
Concen: 4.483 ng  
RT: 10.75 min Scan# 1472  
Delta R.T. -0.25 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 19606  
Ion Ratio Lower Upper  
248 100  
250 195.9 76.9 115.3#  
141 554.8 74.4 111.6#

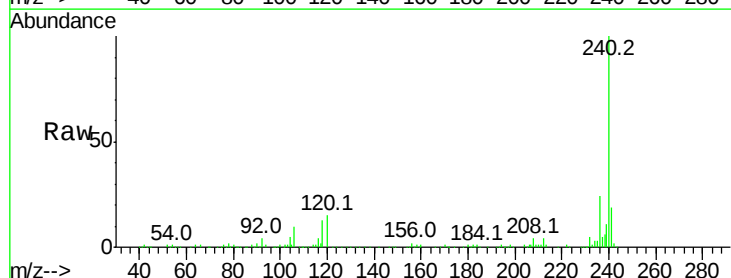


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

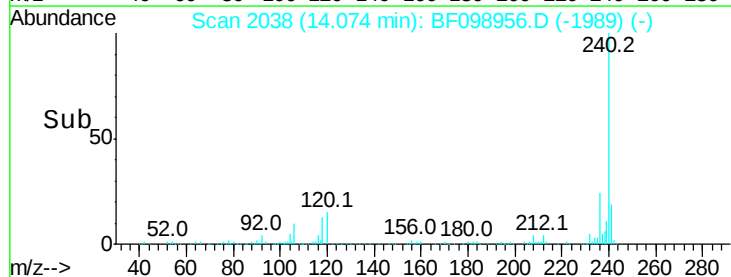
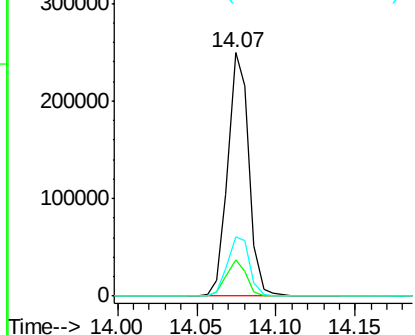


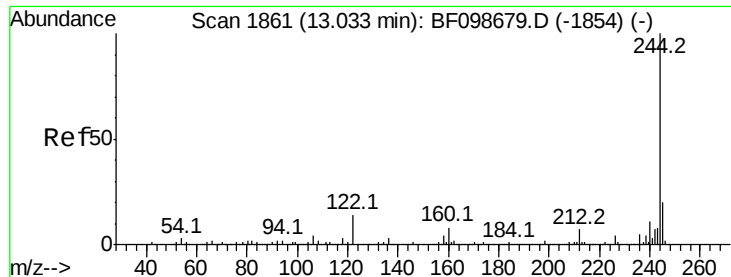
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.07 min Scan# 2038  
Delta R.T. -0.01 min  
Lab File: BF098956.D  
Acq: 29 Sep 2017 18:58

Tgt Ion:240 Resp: 230229  
Ion Ratio Lower Upper  
240 100  
120 14.7 9.5 14.3#  
236 24.5 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

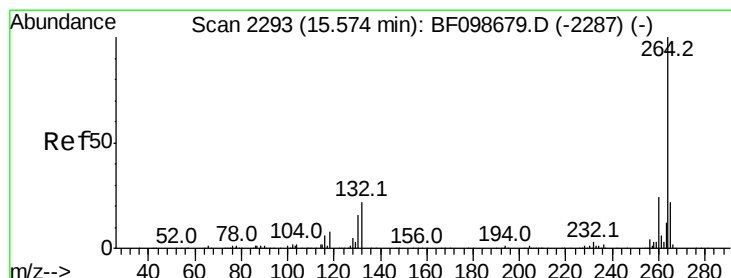
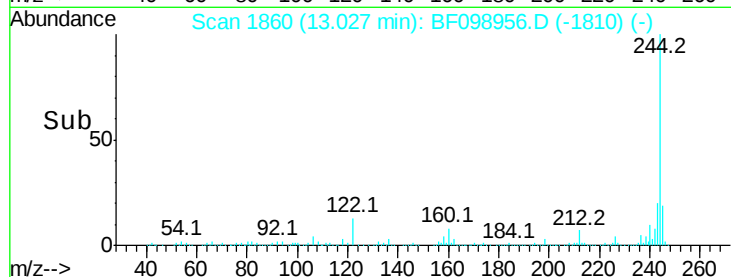
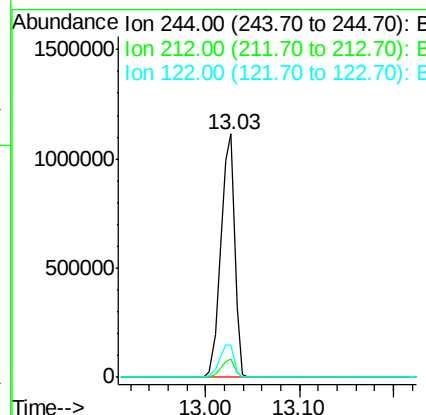
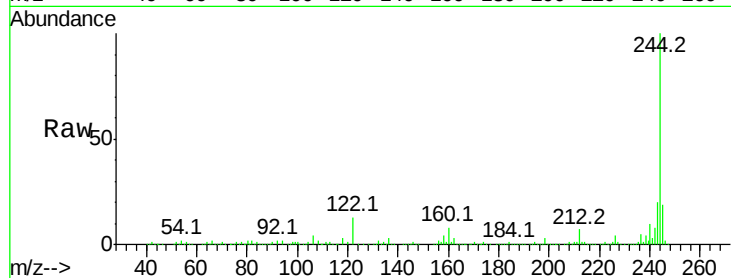




#78  
 Terphenyl-d14  
 Concen: 114.119 ng  
 RT: 13.03 min Scan# 1860  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 1155283  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.4 8.0  
 122 13.3 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.57 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BF098956.D  
 Acq: 29 Sep 2017 18:58

Tgt Ion:264 Resp: 224732  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 21.8 17.5 26.3

