

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111918\  
 Data File : BF110870.D  
 Acq On : 19 Nov 2018 23:51  
 Operator : JU/SJ  
 Sample : J5985-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-DBRI-E-D-B

Quant Time: Nov 20 05:57:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

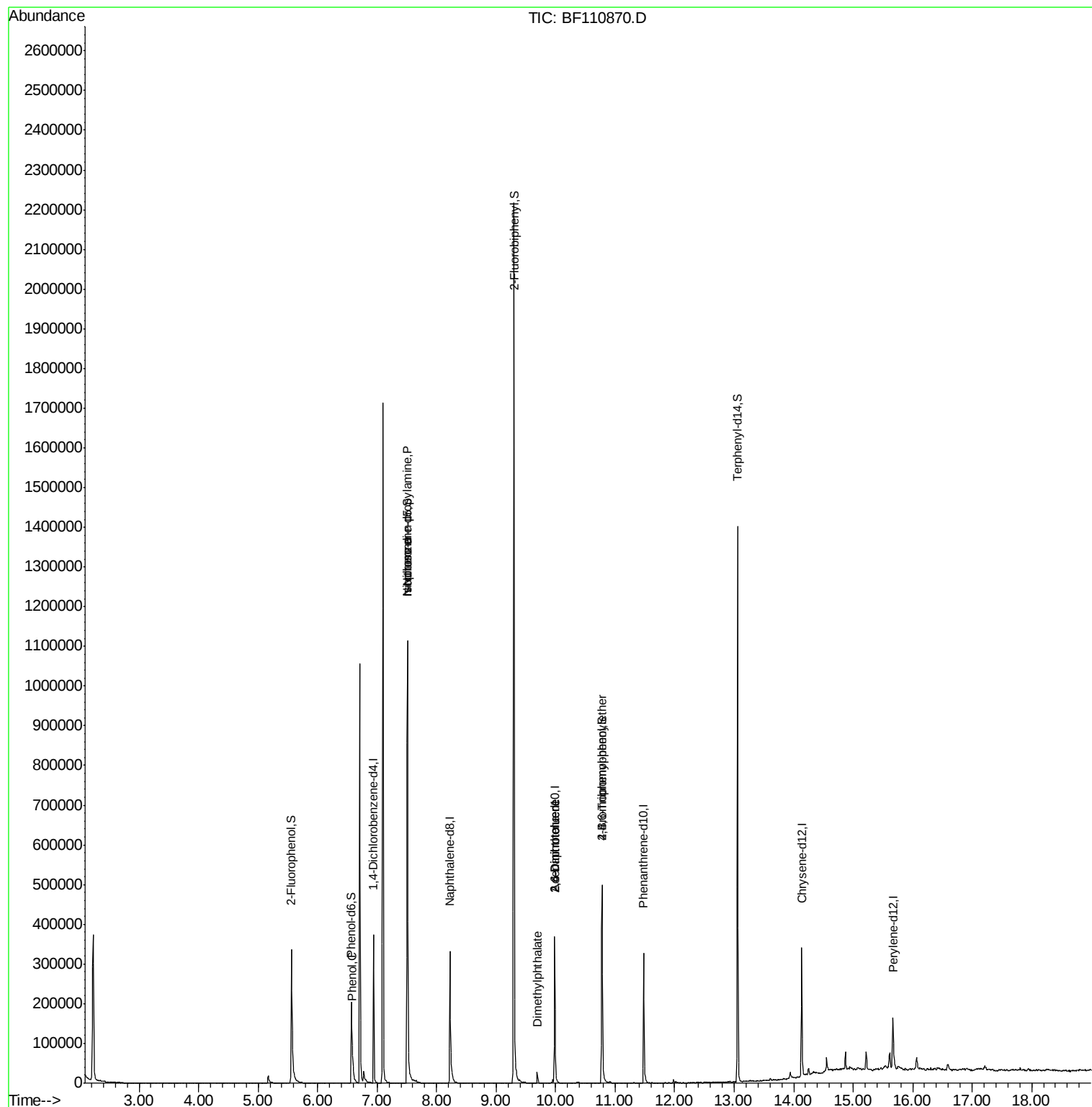
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.94  | 152  | 54991    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.23  | 136  | 225653   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.99  | 164  | 90558    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.48 | 188  | 148385   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 125287   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.67 | 264  | 78092    | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.56  | 112  | 131615   | 38.88  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.57  | 99   | 96394    | 22.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 392727   | 100.23 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.78 | 330  | 69854    | 76.55  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.30  | 172  | 725598   | 114.43 | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.06 | 244  | 475913   | 71.14  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.59  | 94   | 10280    | 2.048  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 52359    | 18.947 | ng    | # 79     |
| 25) Isophorone                 | 7.51  | 82   | 392725   | 61.152 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.69  | 163  | 17918    | 2.652  | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 9.99  | 165  | 10805    | 7.269  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene         | 9.99  | 165  | 10805    | 5.591  | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether  | 10.78 | 248  | 4235     | 2.582  | ng    | # 1      |

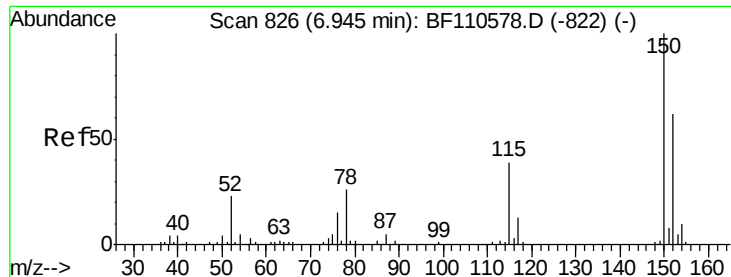
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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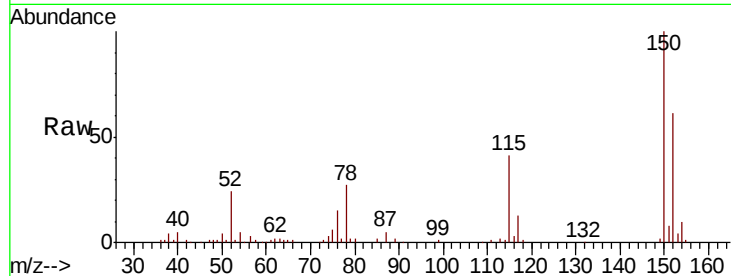




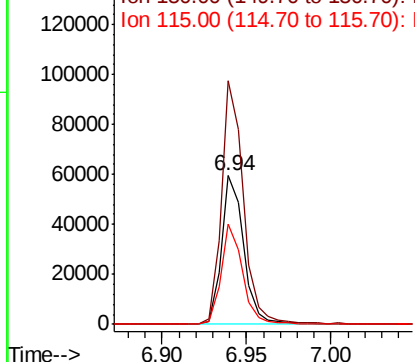
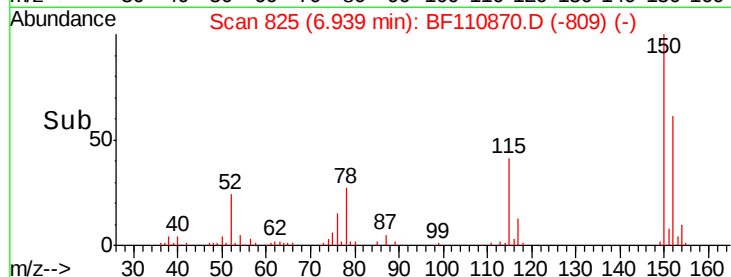
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.94 min Scan# 825  
 Delta R.T. -0.01 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-DBRI-E-D-B

Tgt Ion:152 Resp: 54991  
 Ion Ratio Lower Upper  
 152 100  
 150 163.7 122.7 184.1  
 115 67.0 49.1 73.7

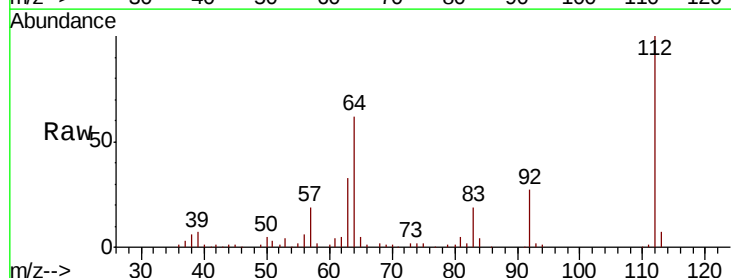


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

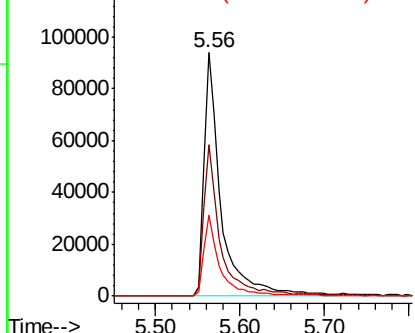
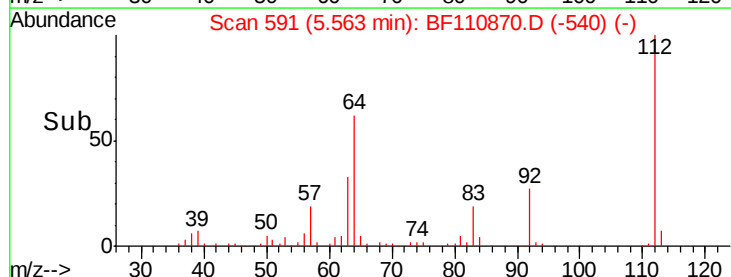


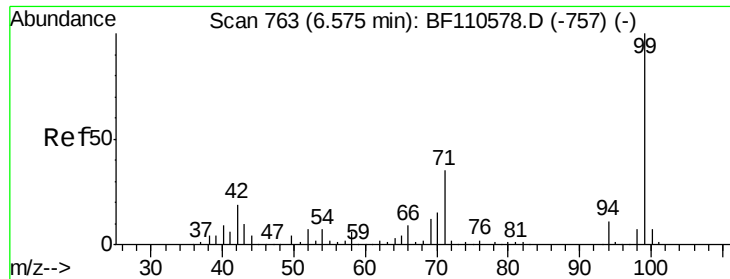
#5  
 2-Fluorophenol  
 Concen: 38.876 ng  
 RT: 5.56 min Scan# 591  
 Delta R.T. 0.00 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

Tgt Ion:112 Resp: 131615  
 Ion Ratio Lower Upper  
 112 100  
 64 62.0 44.1 66.1  
 63 33.3 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: 22.266 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

111518-DBRI-E-D-B

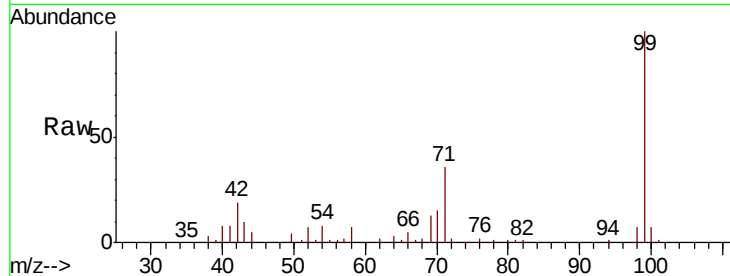
Tgt Ion: 99 Resp: 96394

Ion Ratio Lower Upper

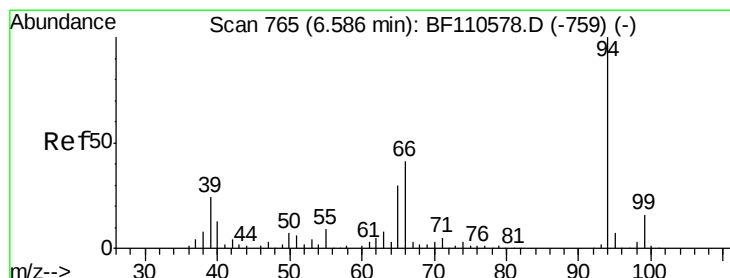
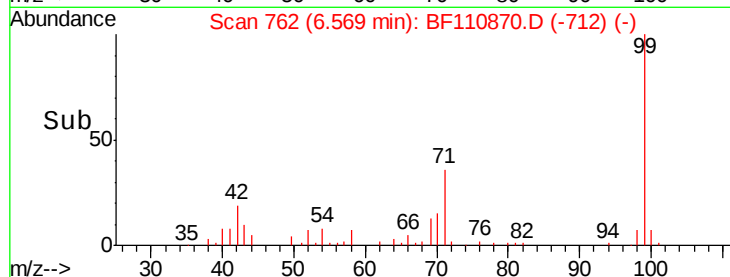
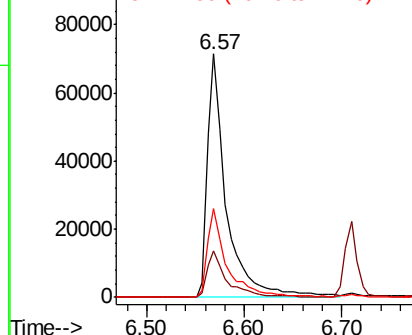
99 100

42 18.9 15.8 23.6

71 36.2 28.0 42.0



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



#10

Phenol

Concen: 2.048 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

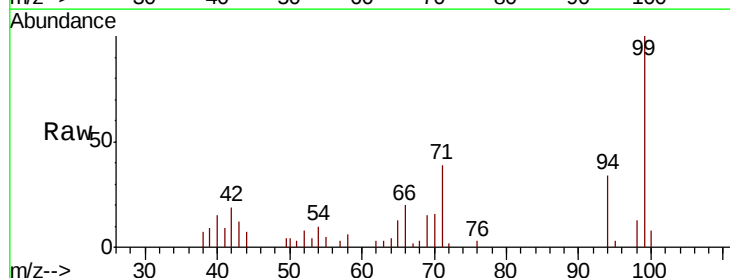
Tgt Ion: 94 Resp: 10280

Ion Ratio Lower Upper

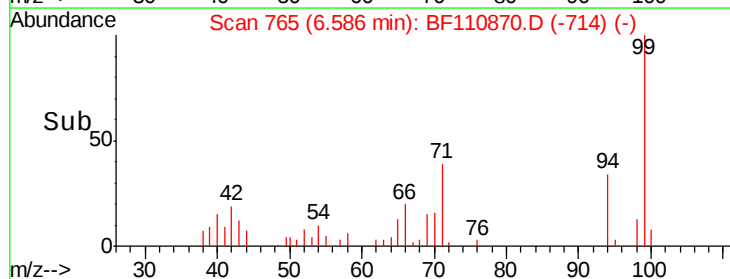
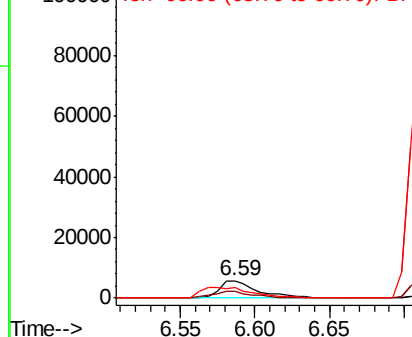
94 100

65 37.7 25.3 65.3

66 59.6 54.5 94.5



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

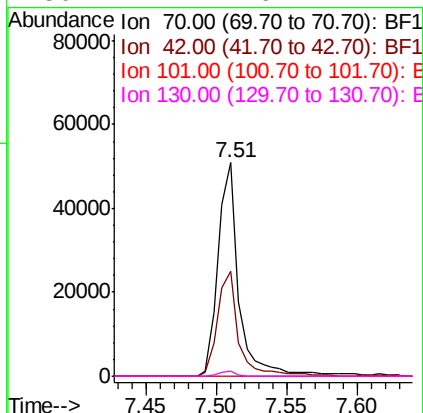
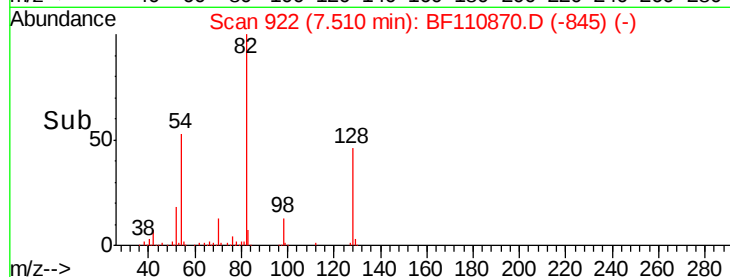
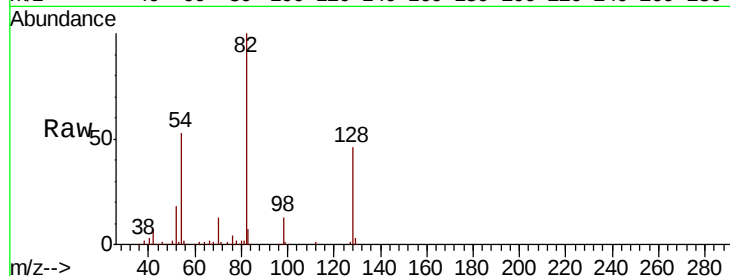




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.947 ng  
RT: 7.51 min Scan# 922  
Delta R.T. 0.15 min  
Lab File: BF110870.D  
Acq: 19 Nov 2018 23:51

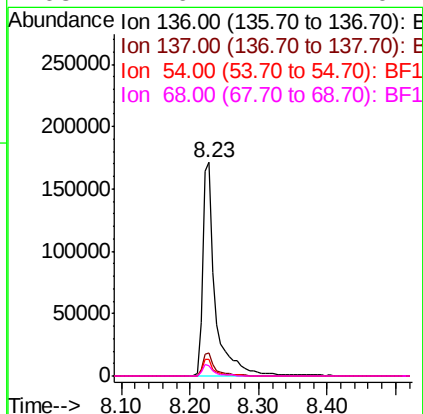
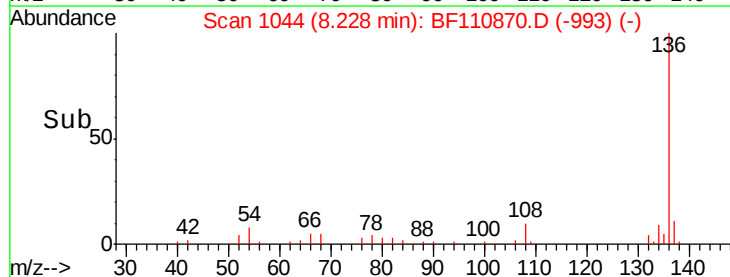
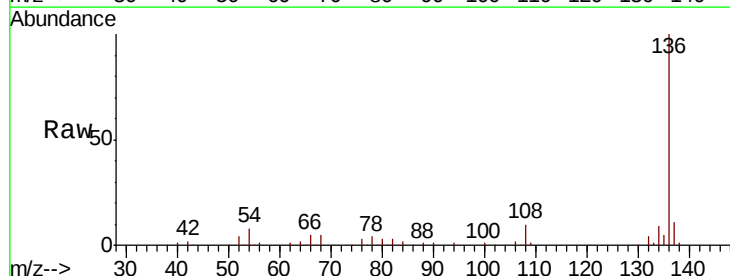
Instrument :  
BNA\_F  
ClientSampleId :  
111518-DBRI-E-D-B

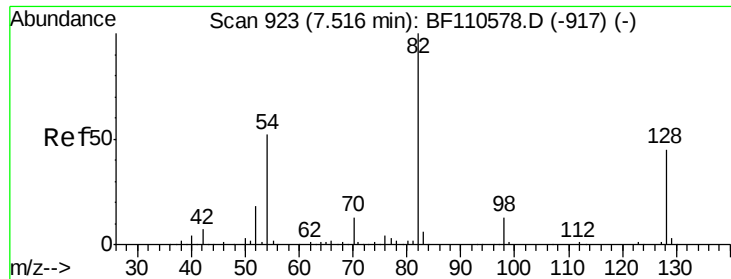
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 52359 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 48.9  | 47.4  | 71.2  |
| 101      | 0.0   | 7.3   | 10.9# |
| 130      | 2.1   | 16.2  | 24.2# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. 0.00 min  
Lab File: BF110870.D  
Acq: 19 Nov 2018 23:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 225653 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 8.8   | 13.2   |
| 54       | 7.8   | 5.4   | 8.2    |
| 68       | 4.6   | 4.2   | 6.2    |

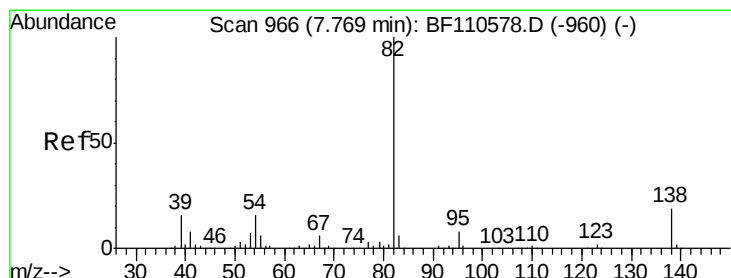
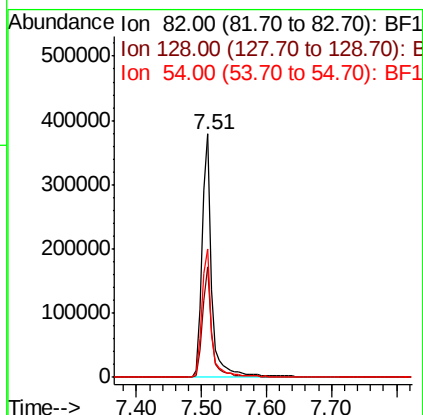
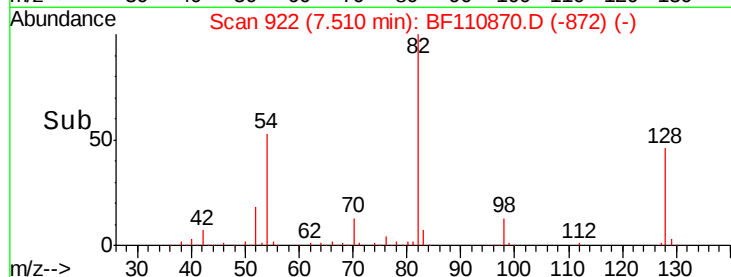
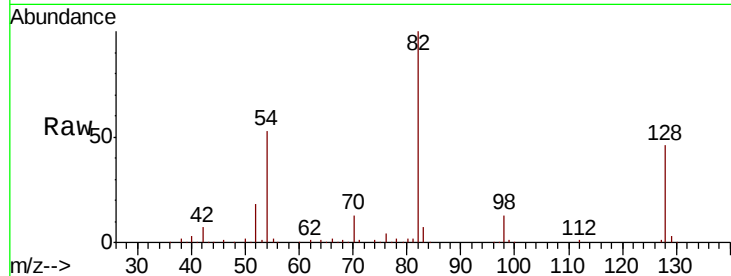




#23  
 Nitrobenzene-d5  
 Concen: 100.229 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

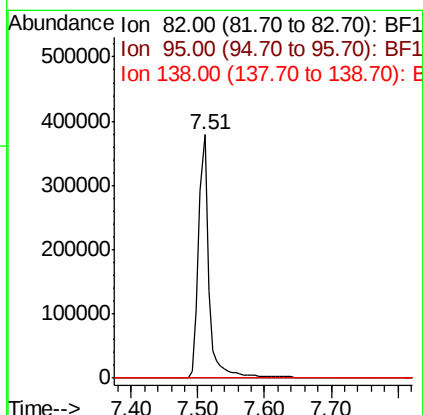
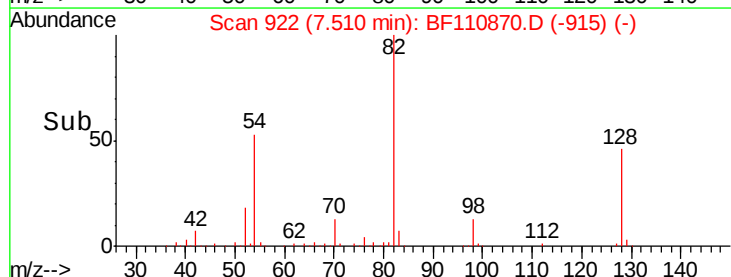
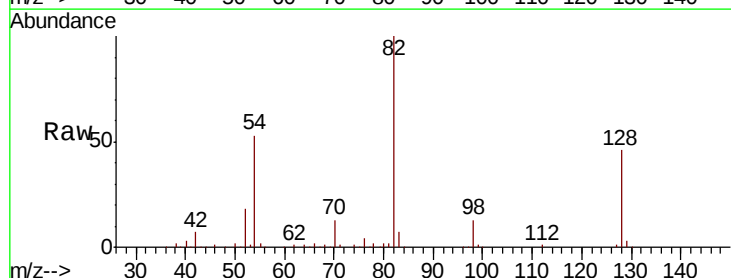
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-DBRI-E-D-B

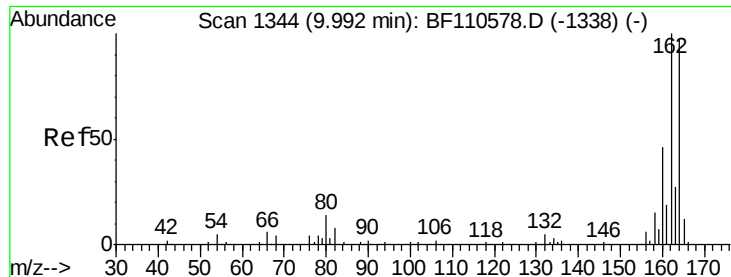
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.6  | 34.2  | 51.2  |
| 54      | 52.6  | 38.6  | 58.0  |



#25  
 Isophorone  
 Concen: 61.152 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.26 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.7   | 8.5#  |
| 138     | 0.0   | 13.2  | 19.8# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

111518-DBRI-E-D-B

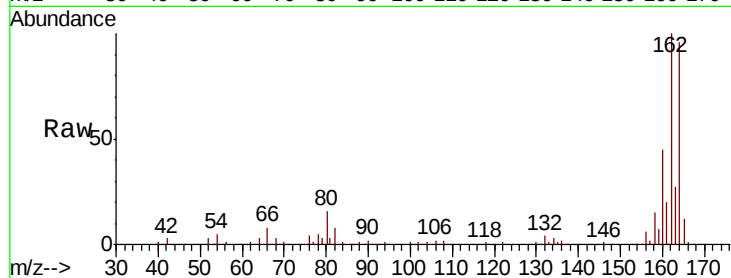
Tgt Ion:164 Resp: 90558

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.6

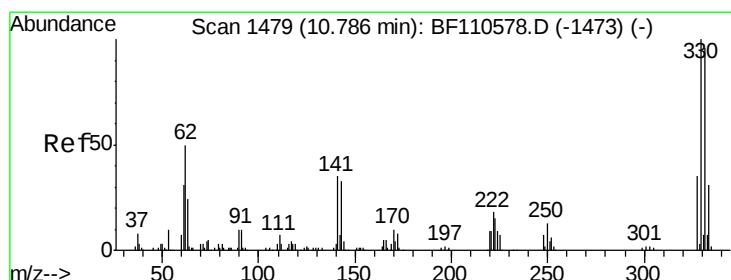
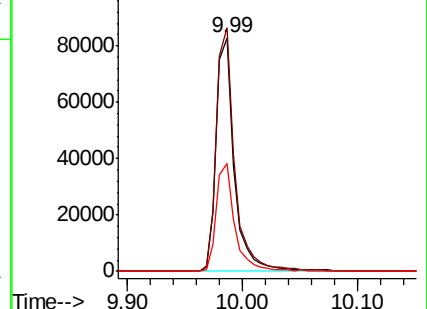
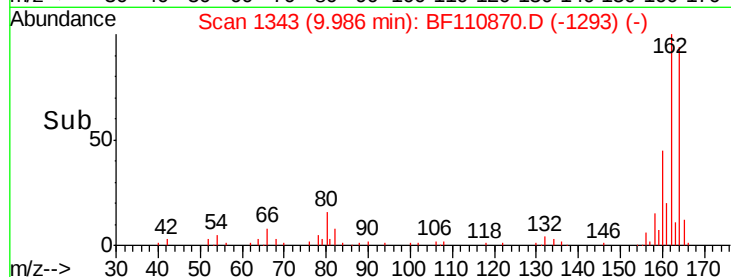
160 46.4 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 76.554 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

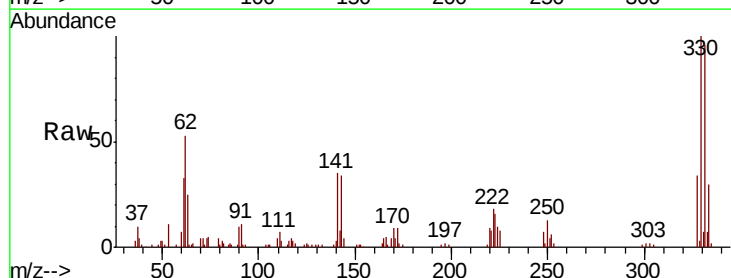
Tgt Ion:330 Resp: 69854

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

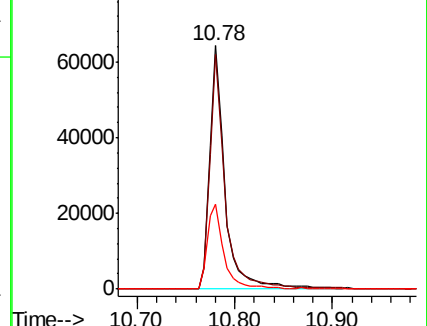
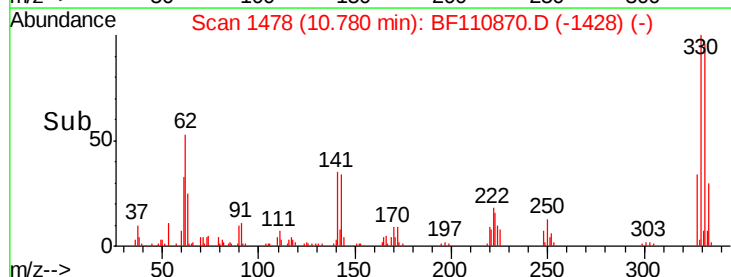
141 37.8 27.0 40.4

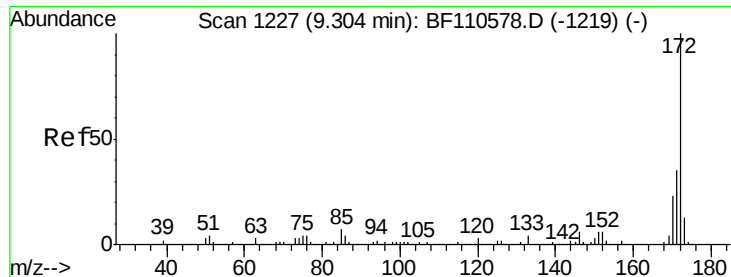


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

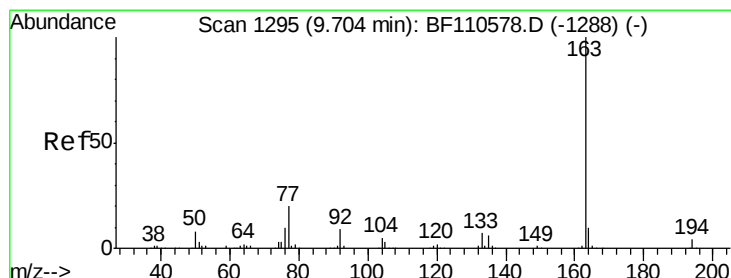
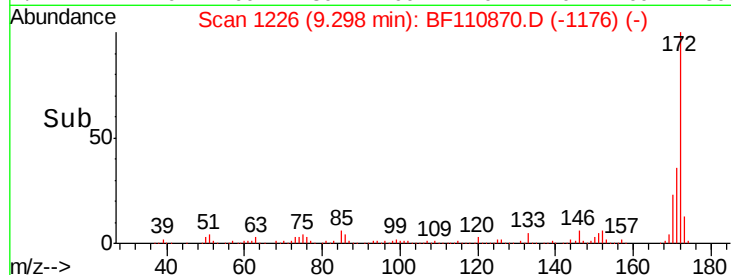
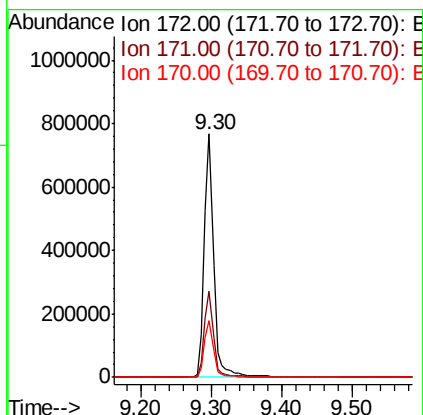
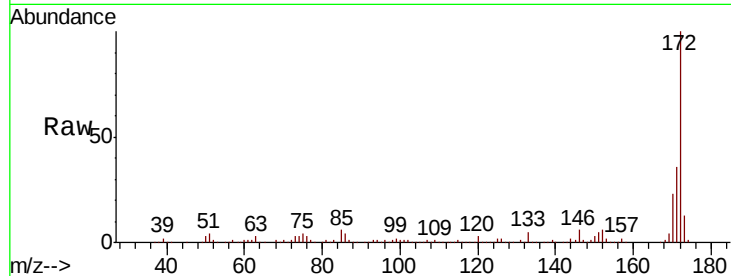




#45  
 2-Fluorobiphenyl  
 Concen: 114.433 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

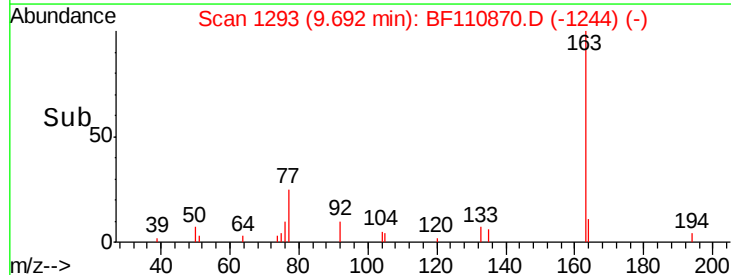
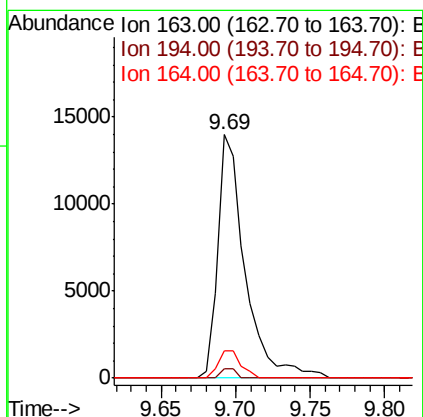
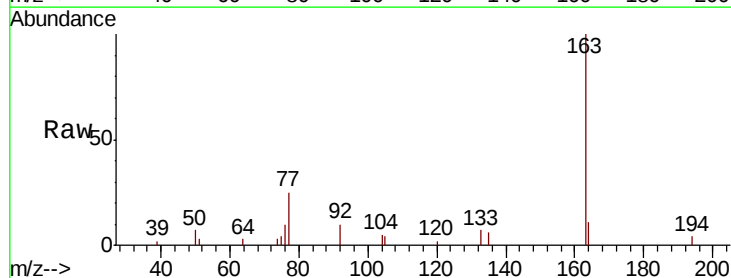
Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-DBRI-E-D-B

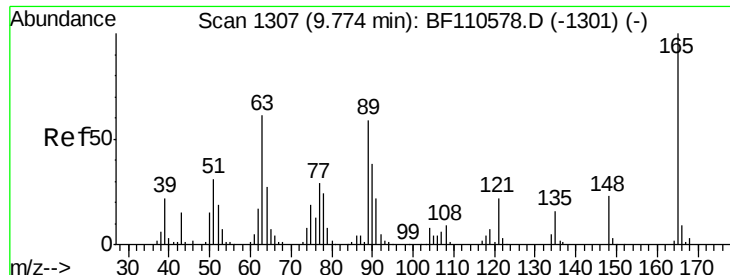
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.6  | 43.0  |
| 170     | 23.4  | 19.7  | 29.5  |



#50  
 Dimethylphthalate  
 Concen: 2.652 ng  
 RT: 9.69 min Scan# 1293  
 Delta R.T. -0.01 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 3.2   | 4.8   |
| 164     | 11.1  | 8.1   | 12.1  |

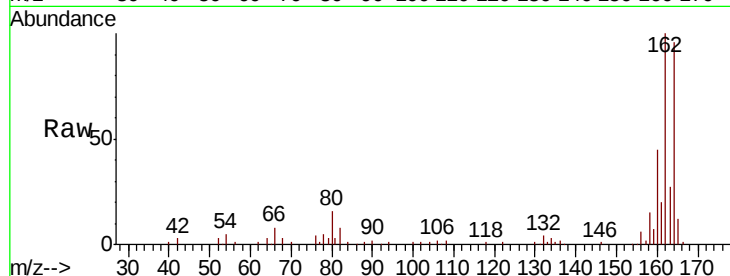




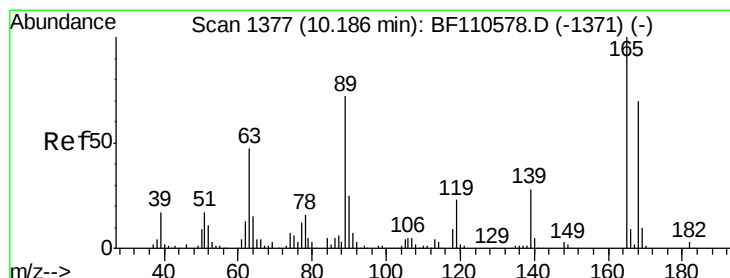
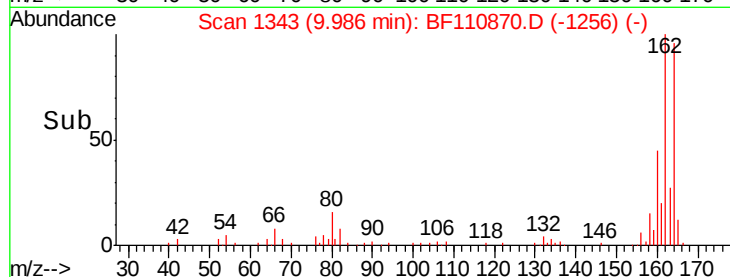
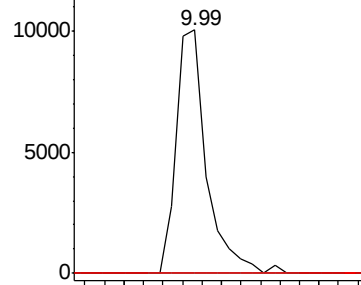
#51  
 2,6-Dinitrotoluene  
 Concen: 7.269 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. 0.21 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111518-DBRI-E-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.9  | 73.3# |
| 89      | 0.0   | 46.6  | 69.8# |



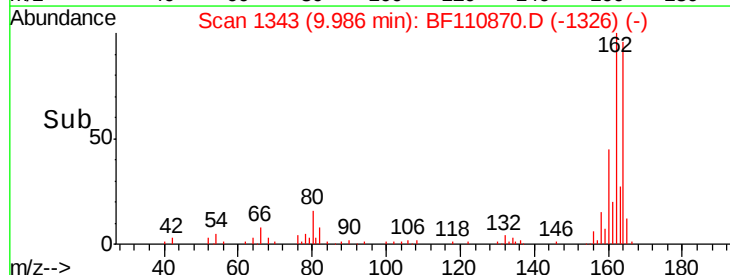
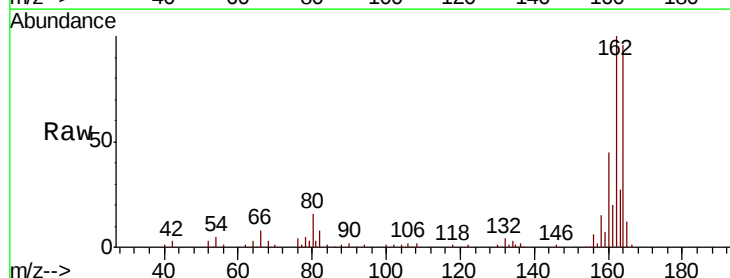
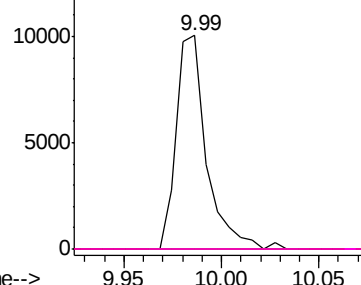
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

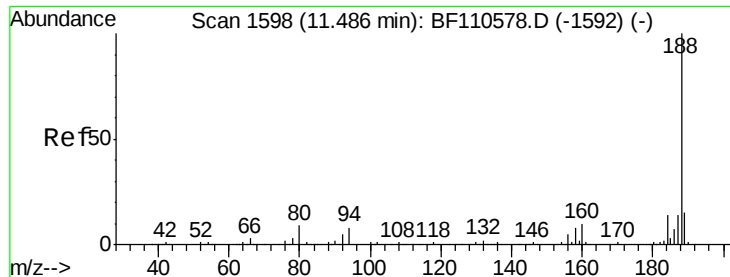


#57  
 2,4-Dinitrotoluene  
 Concen: 5.591 ng  
 RT: 9.99 min Scan# 1343  
 Delta R.T. -0.20 min  
 Lab File: BF110870.D  
 Acq: 19 Nov 2018 23:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.8  | 67.2# |
| 89      | 0.0   | 62.2  | 93.4# |
| 182     | 0.0   | 2.1   | 3.1#  |

Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

111518-DBRI-E-D-B

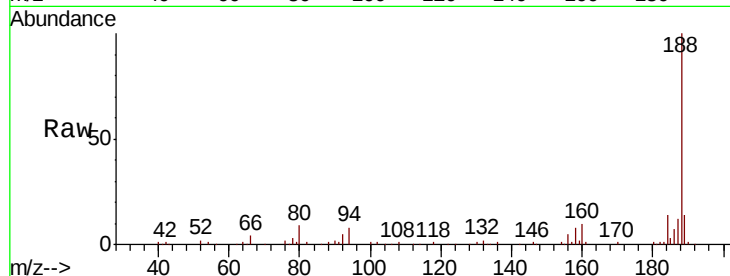
Tgt Ion:188 Resp: 148385

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

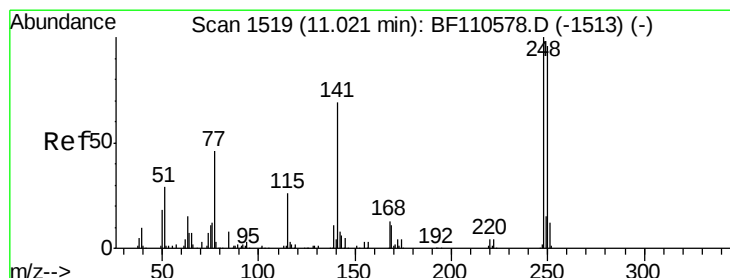
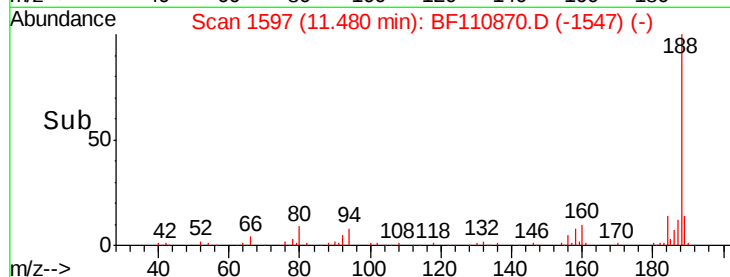
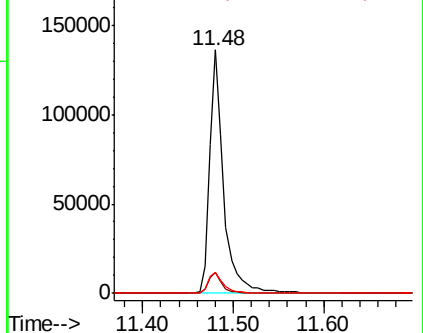
80 8.8 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 2.582 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.24 min

Lab File: BF110870.D

Acq: 19 Nov 2018 23:51

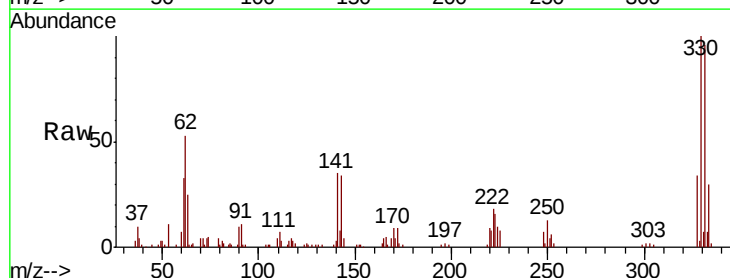
Tgt Ion:248 Resp: 4235

Ion Ratio Lower Upper

248 100

250 195.8 79.4 119.2#

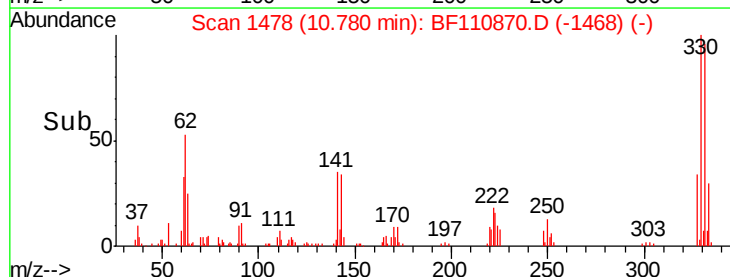
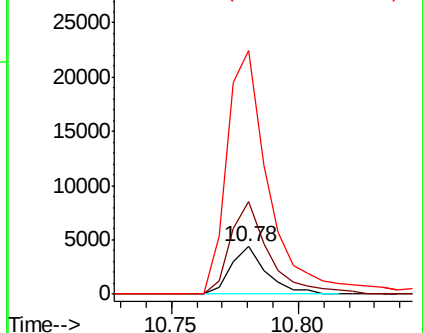
141 516.0 55.9 83.9#

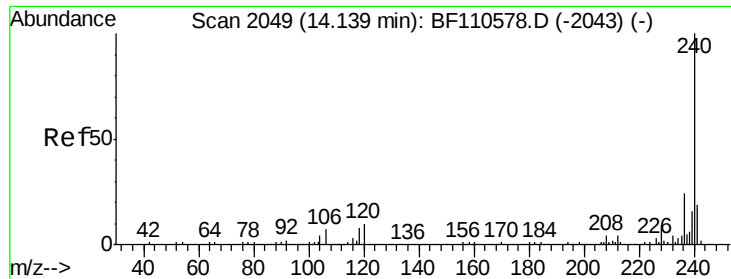


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

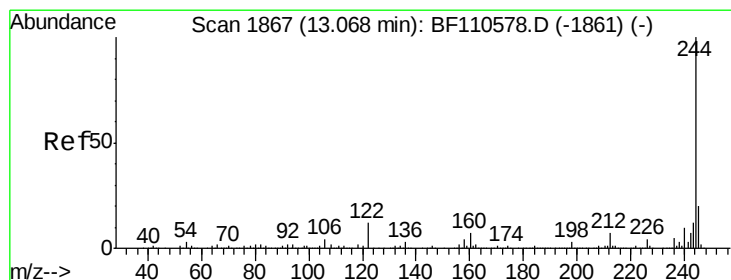
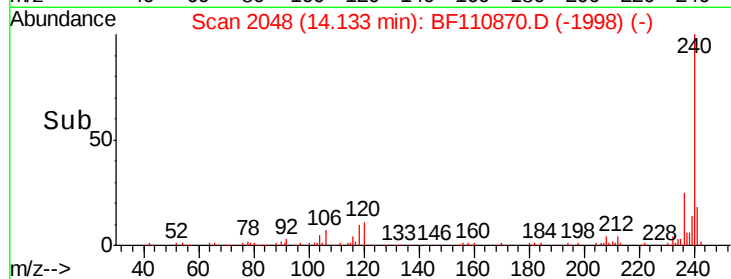
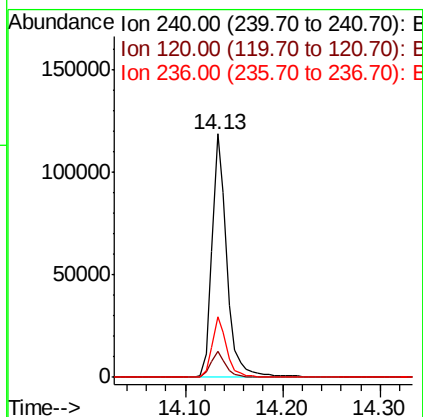
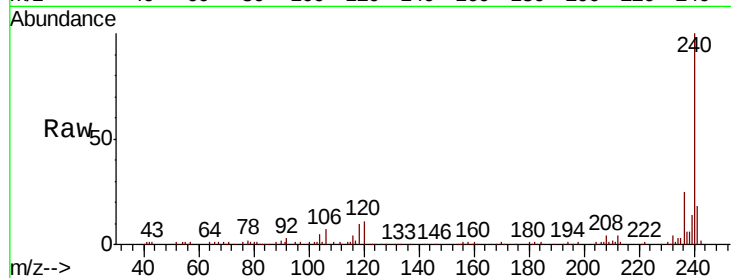




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2048  
Delta R.T. -0.01 min  
Lab File: BF110870.D  
Acq: 19 Nov 2018 23:51

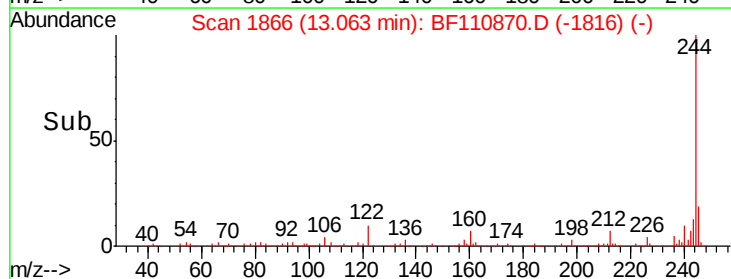
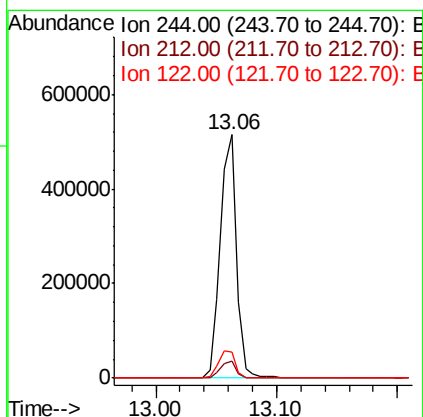
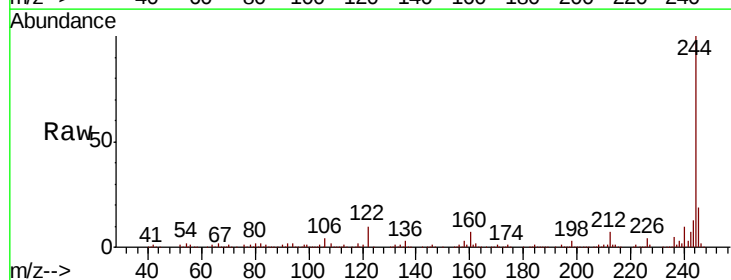
Instrument :  
BNA\_F  
ClientSampleId :  
111518-DBRI-E-D-B

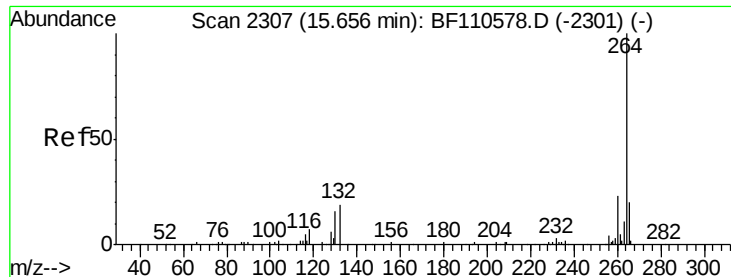
Tgt Ion:240 Resp: 125287  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.3 12.5  
236 25.1 21.2 31.8



#79  
Terphenyl-d14  
Concen: 71.139 ng  
RT: 13.06 min Scan# 1866  
Delta R.T. -0.01 min  
Lab File: BF110870.D  
Acq: 19 Nov 2018 23:51

Tgt Ion:244 Resp: 475913  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.8  
122 10.4 8.7 13.1





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. 0.01 min  
Lab File: BF110870.D  
Acq: 19 Nov 2018 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
111518-DBRI-E-D-B

Tgt Ion: 264 Resp: 78092  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.9  | 18.7  | 28.1  |
| 265 | 20.7  | 16.7  | 25.1  |

