

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091918\  
 Data File : BF109161.D  
 Acq On : 19 Sep 2018 23:11  
 Operator : JU/SJ  
 Sample : J4984-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-D-B

Quant Time: Sep 20 04:52:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

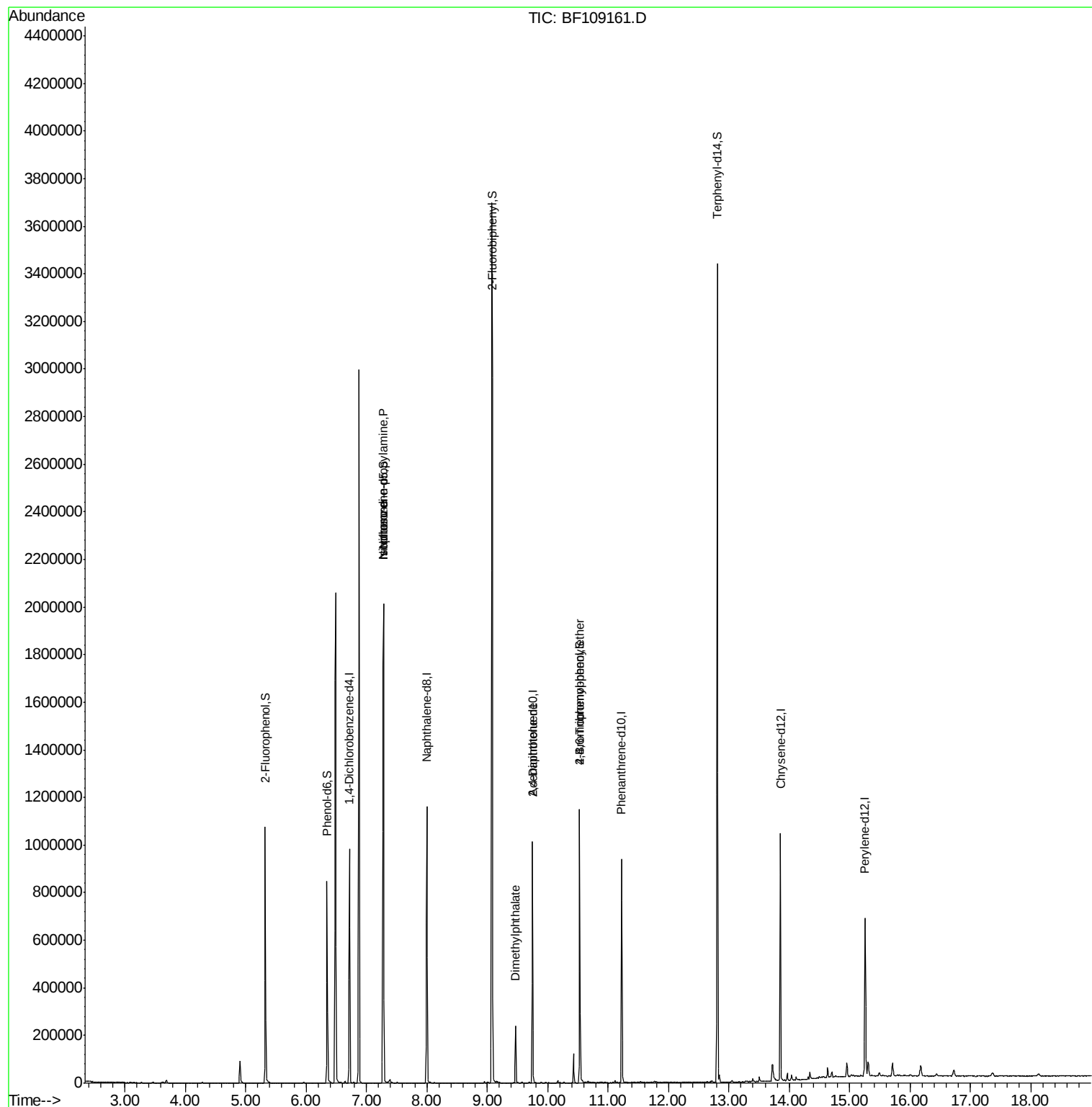
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 134778   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 471610   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 196584   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 338108   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.85 | 240  | 349885   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.25 | 264  | 307050   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 313718   | 38.66  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 250001   | 23.89  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 722871   | 85.97  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 147772   | 69.26  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1244379  | 99.17  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.81 | 244  | 1172977  | 79.46  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 96991    | 14.023 | ng    | # 77     |
| 25) Isophorone                 | 7.28  | 82   | 716814   | 49.594 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 102165   | 7.271  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 24610    | 6.039  | ng    | # 24     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 8779     | 2.303  | ng    | # 1      |

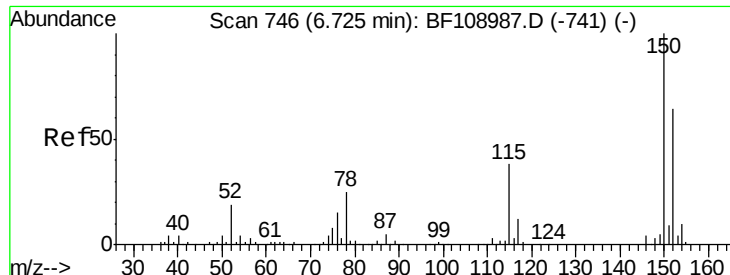
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF109161.D

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Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-D-B

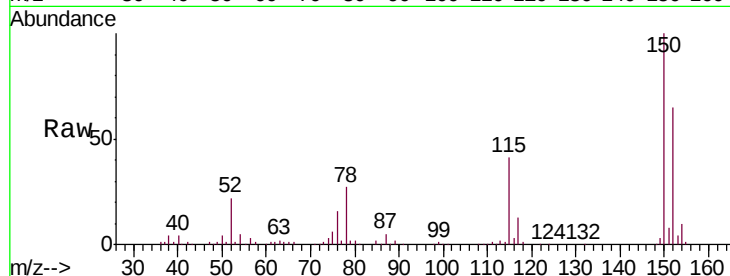
Tgt Ion:152 Resp: 134778

Ion Ratio Lower Upper

152 100

150 154.8 124.6 186.8

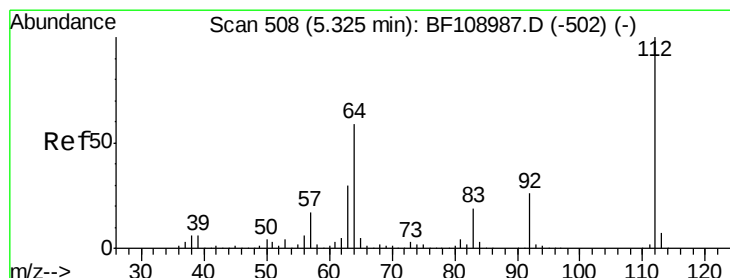
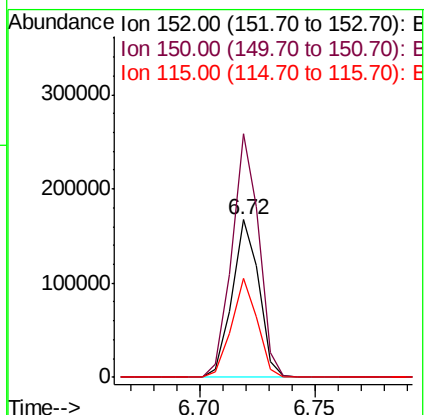
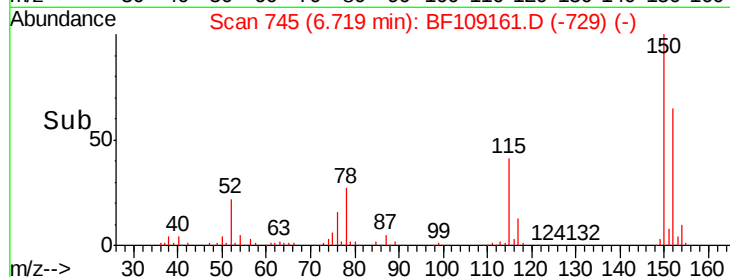
115 62.8 50.1 75.1



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: 38.660 ng

RT: 5.32 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF109161.D

Acq: 19 Sep 2018 23:11

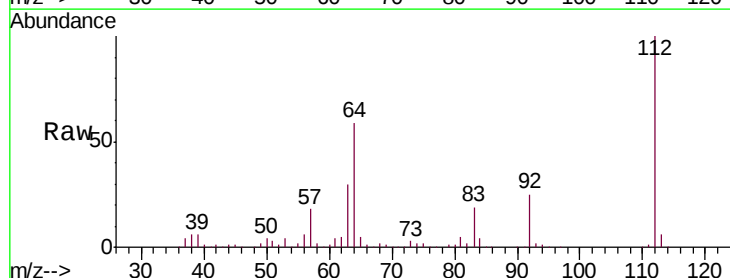
Tgt Ion:112 Resp: 313718

Ion Ratio Lower Upper

112 100

64 59.3 47.9 71.9

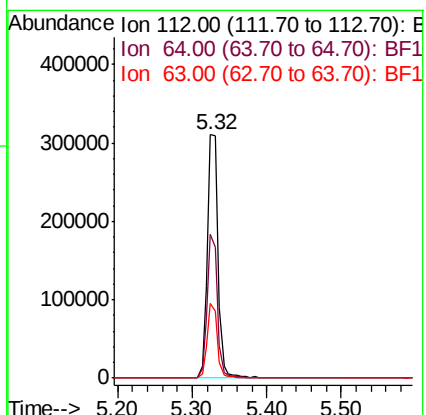
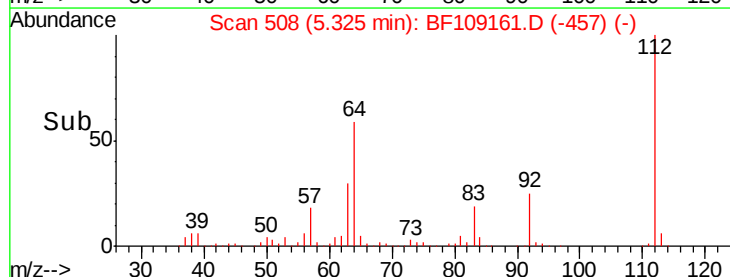
63 30.4 23.7 35.5



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: 23.892 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109161.D

Acq: 19 Sep 2018 23:11

Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-D-B

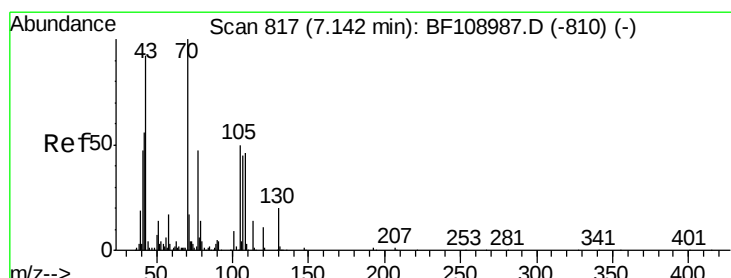
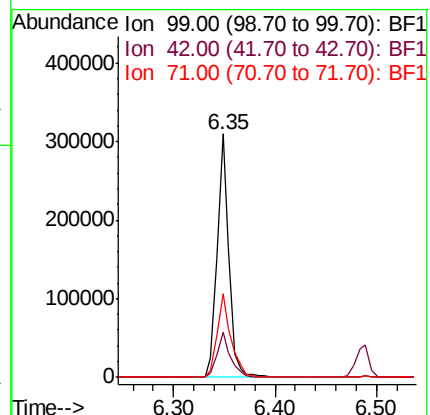
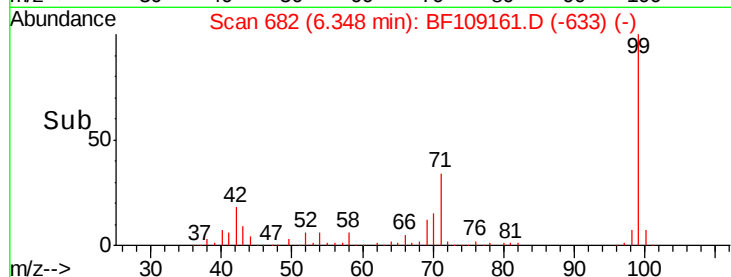
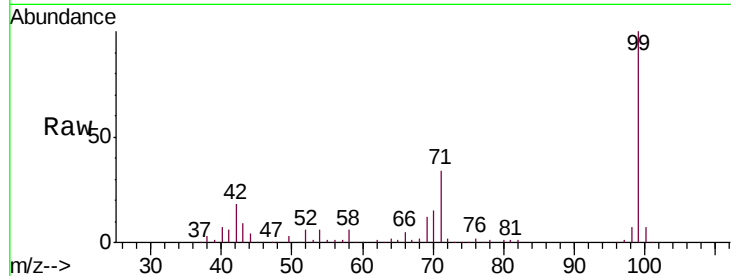
Tgt Ion: 99 Resp: 250001

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

71 34.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.023 ng

RT: 7.28 min Scan# 841

Delta R.T. 0.14 min

Lab File: BF109161.D

Acq: 19 Sep 2018 23:11

Tgt Ion: 70 Resp: 96991

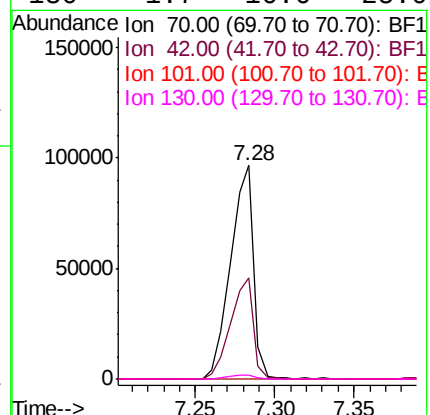
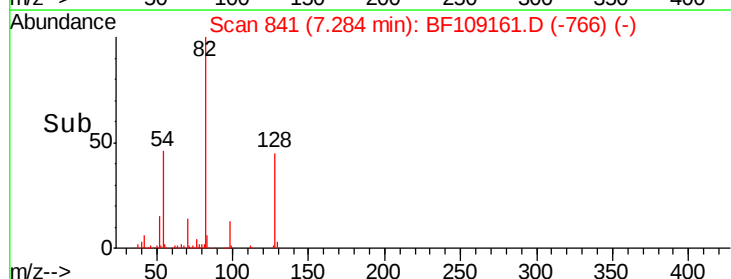
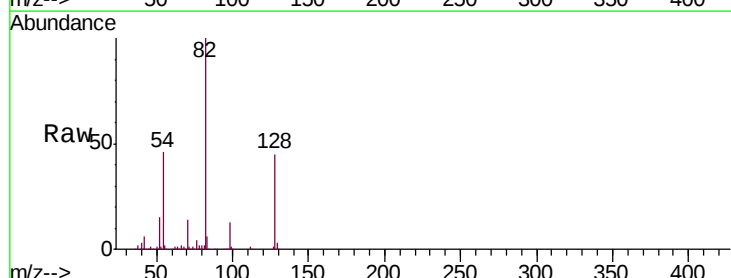
Ion Ratio Lower Upper

70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

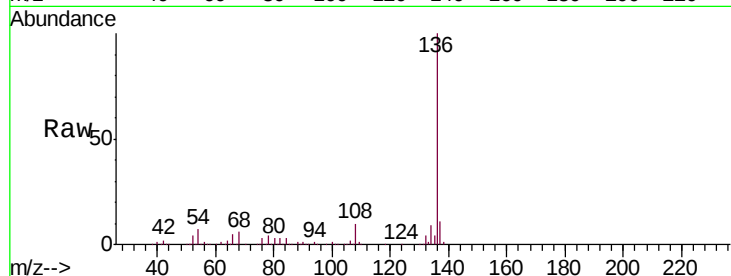




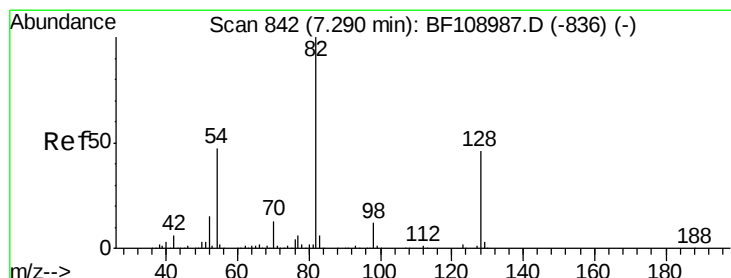
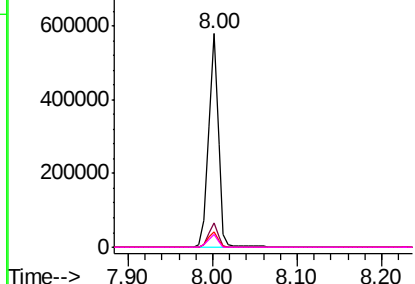
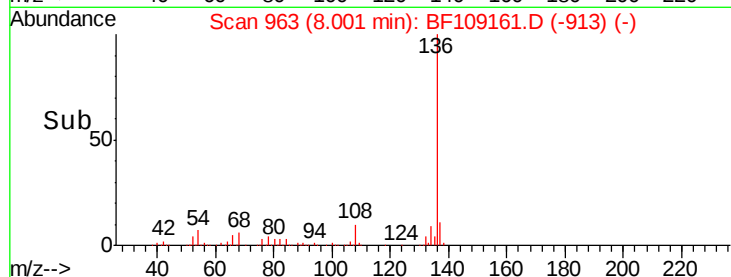
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
091718-DBRI-E-D-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 471610 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 8.9   | 13.3   |
| 54       | 7.3   | 6.6   | 9.8    |
| 68       | 5.9   | 5.0   | 7.4    |

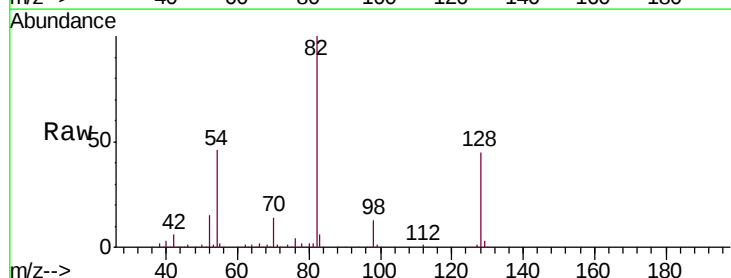


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

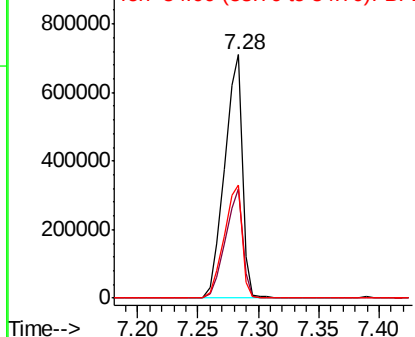
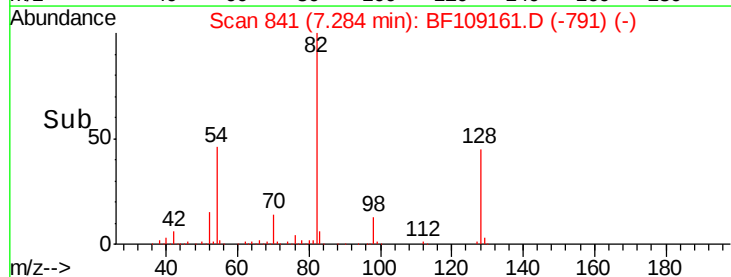


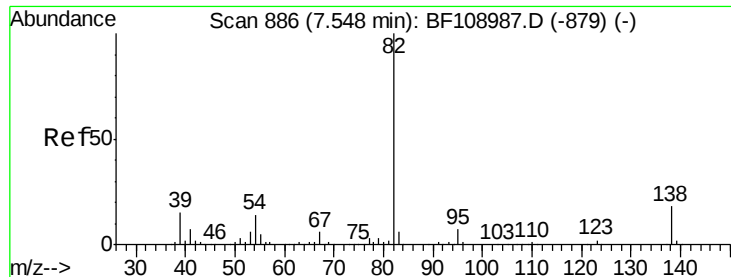
#23  
Nitrobenzene-d5  
Concen: 85.970 ng  
RT: 7.28 min Scan# 841  
Delta R.T. -0.01 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 722871 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.1  | 36.1  | 54.1   |
| 54       | 46.4  | 41.4  | 62.2   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.594 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.26 min

Lab File: BF109161.D

Acq: 19 Sep 2018 23:11

Instrument :

BNA\_F

ClientSampleId :

091718-DBRI-E-D-B

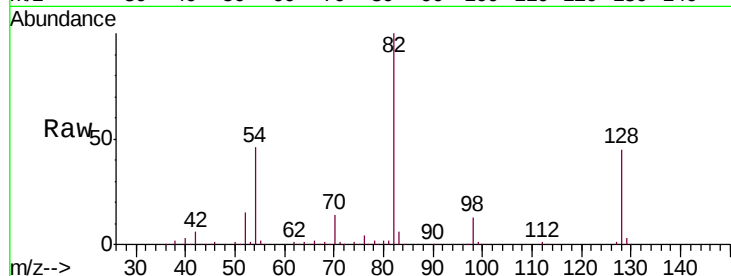
Tgt Ion: 82 Resp: 716814

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

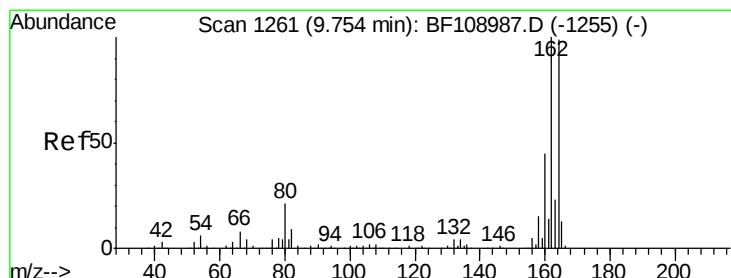
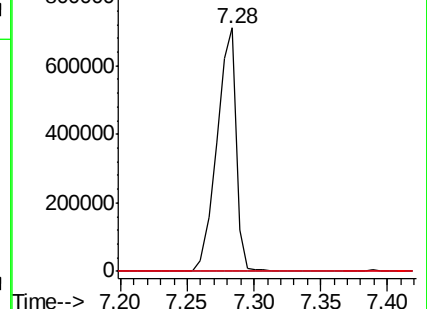
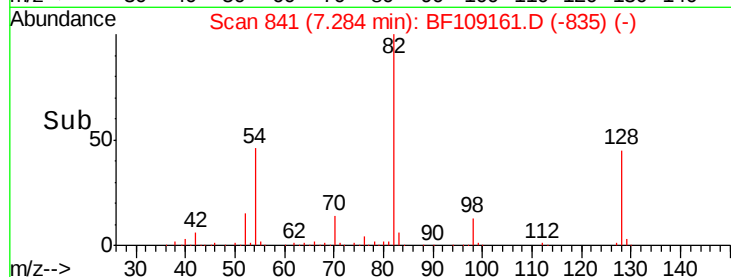
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109161.D

Acq: 19 Sep 2018 23:11

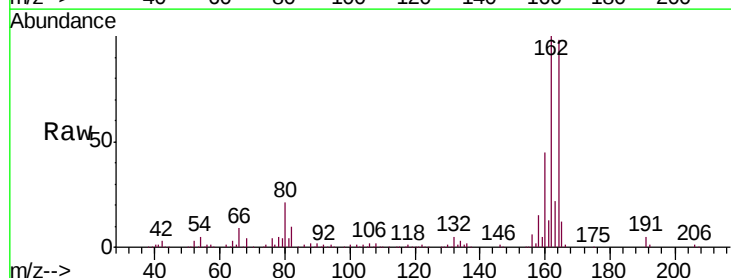
Tgt Ion: 164 Resp: 196584

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

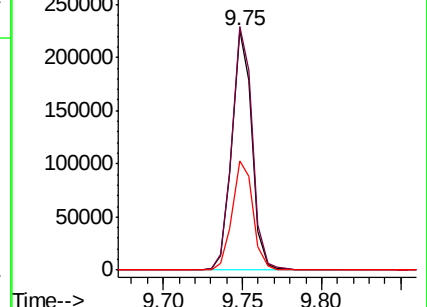
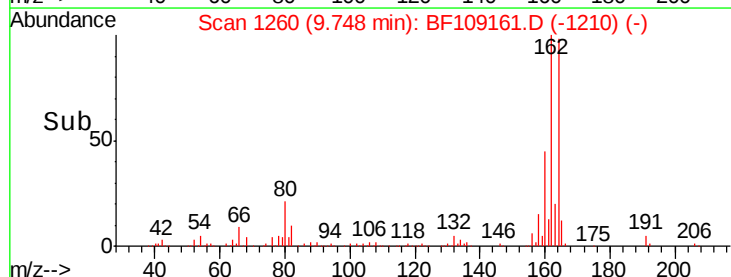
160 45.6 38.3 57.5

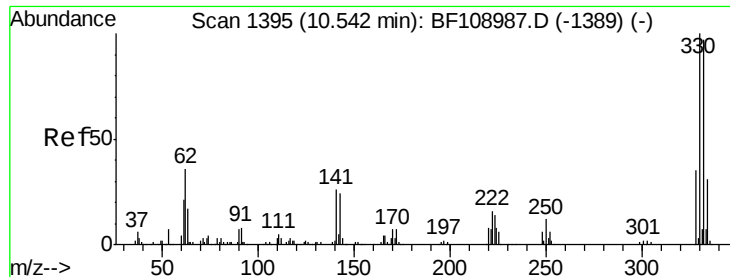


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

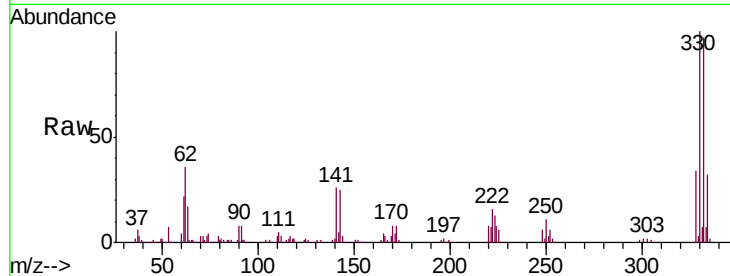




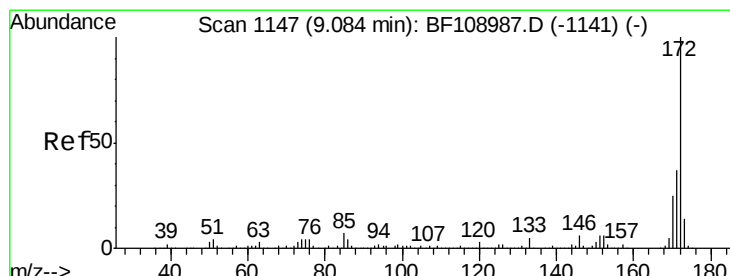
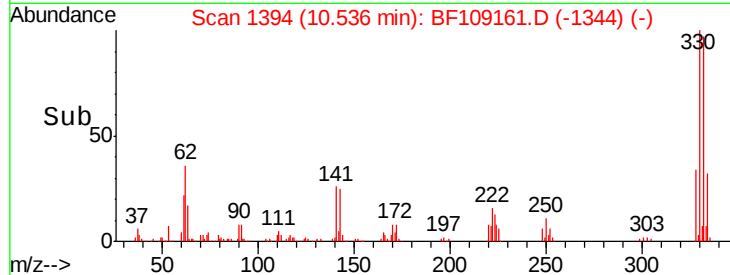
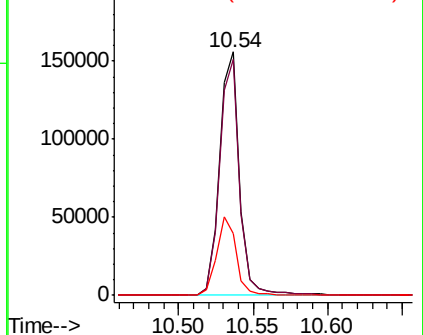
#41  
 2,4,6-Tribromophenol  
 Concen: 69.264 ng  
 RT: 10.54 min Scan# 1394  
 Delta R.T. -0.01 min  
 Lab File: BF109161.D  
 Acq: 19 Sep 2018 23:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091718-DBRI-E-D-B

Tgt Ion:330 Resp: 147772  
 Ion Ratio Lower Upper  
 330 100  
 332 97.5 77.0 115.6  
 141 31.5 29.9 44.9

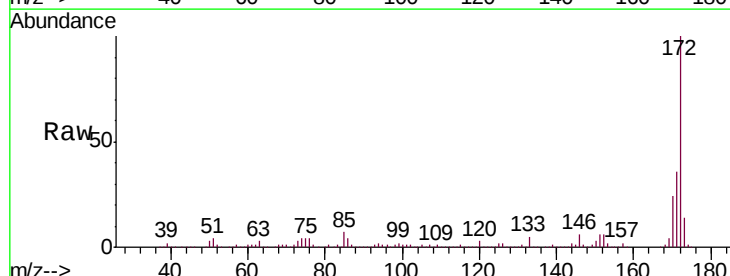


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

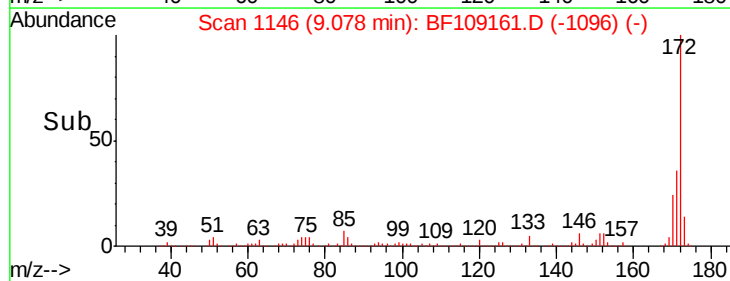
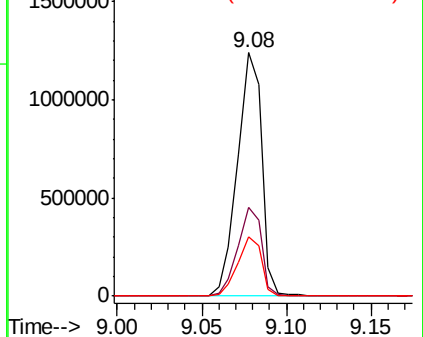


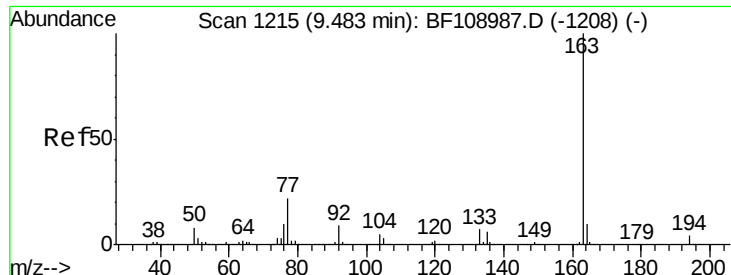
#44  
 2-Fluorobiphenyl  
 Concen: 99.174 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109161.D  
 Acq: 19 Sep 2018 23:11

Tgt Ion:172 Resp: 1244379  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 24.4 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

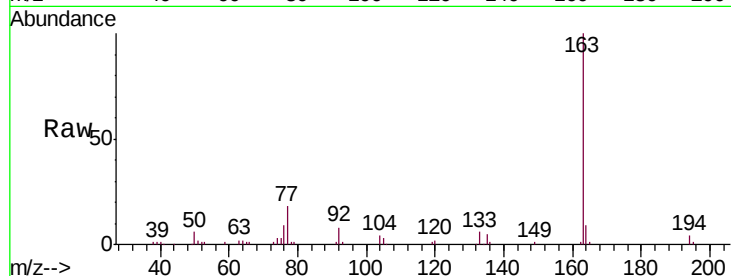




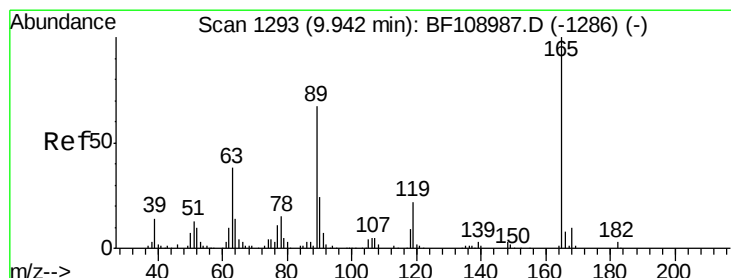
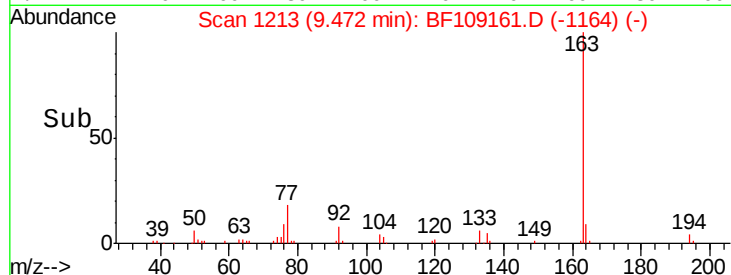
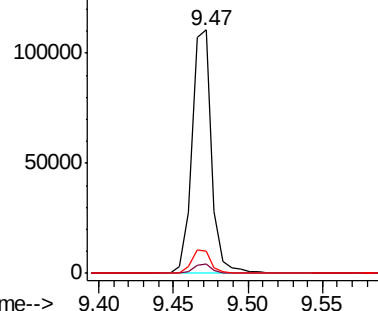
#49  
Dimethylphthalate  
Concen: 7.271 ng  
RT: 9.47 min Scan# 1213  
Delta R.T. -0.01 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Instrument :  
BNA\_F  
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091718-DBRI-E-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.7   | 4.1   |
| 164     | 9.3   | 8.2   | 12.2  |

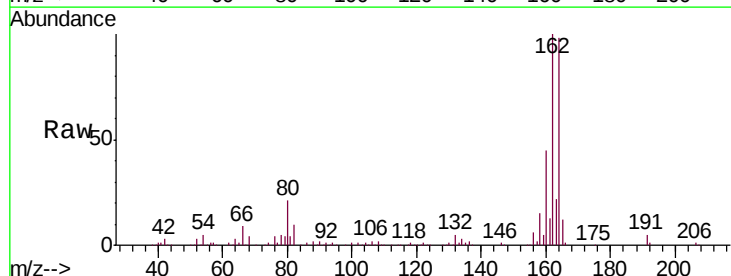


Abundance Ion 163.00 (162.70 to 163.70): E  
150000  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

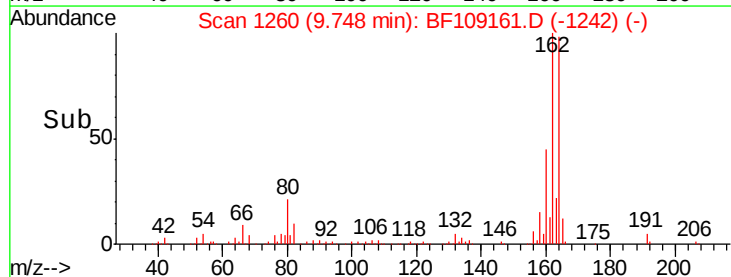
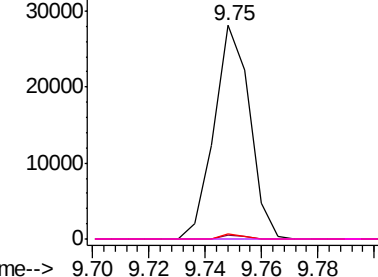


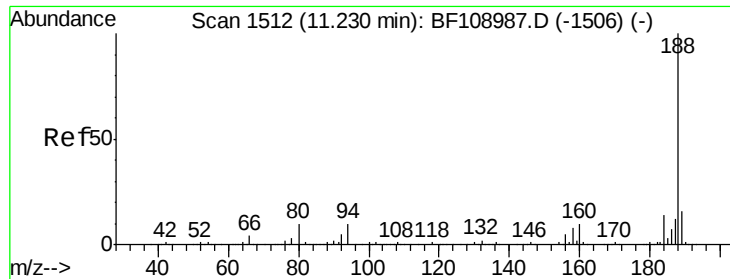
#56  
2,4-Dinitrotoluene  
Concen: 6.039 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.19 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.8   | 36.4  | 54.6# |
| 89      | 2.1   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



Abundance Ion 165.00 (164.70 to 165.70): E  
40000  
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

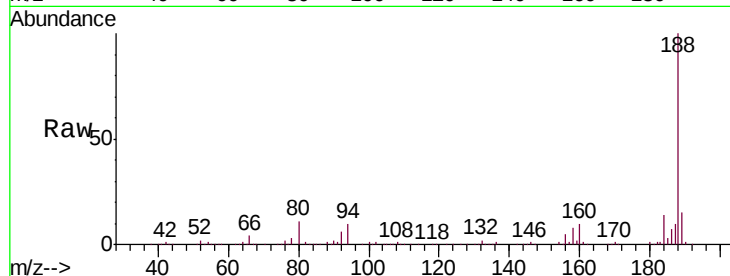




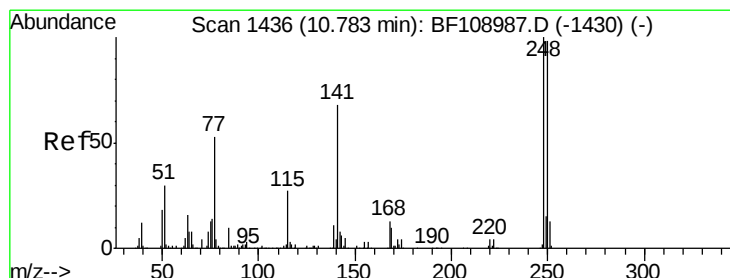
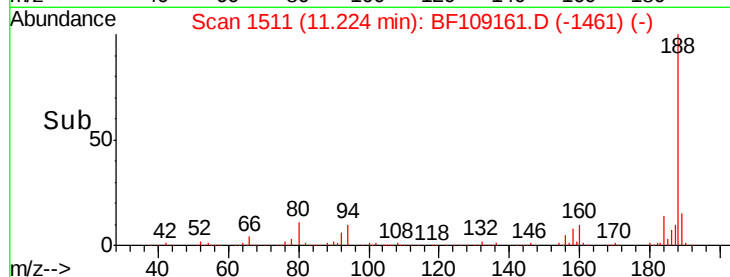
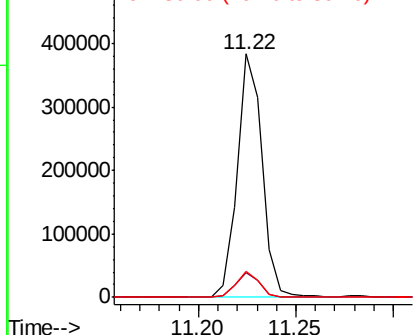
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1511  
Delta R.T. -0.01 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
091718-DBRI-E-D-B

Tgt Ion:188 Resp: 338108  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.5 12.7  
80 10.7 9.2 13.8

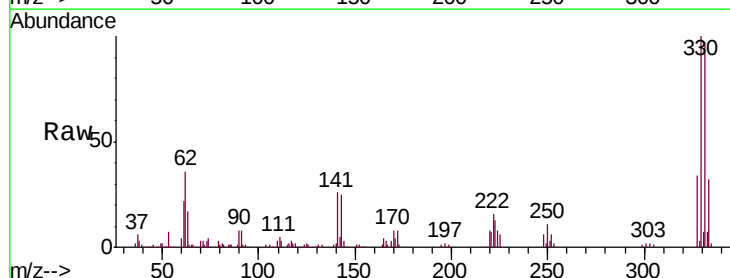


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

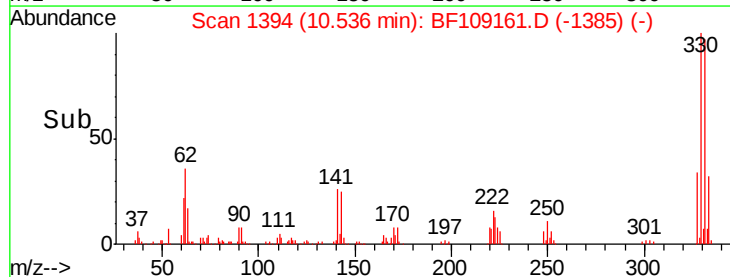
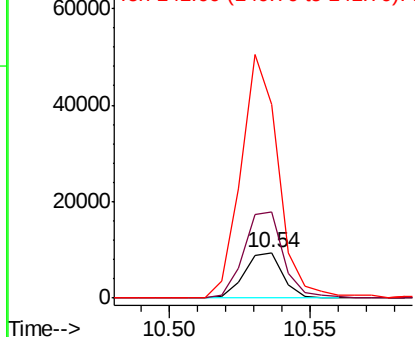


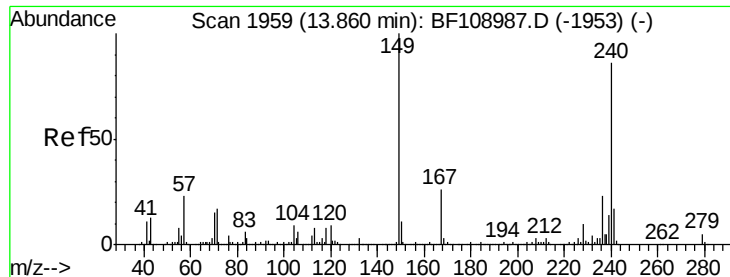
#66  
4-Bromophenyl-phenylether  
Concen: 2.303 ng  
RT: 10.54 min Scan# 1394  
Delta R.T. -0.25 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Tgt Ion:248 Resp: 8779  
Ion Ratio Lower Upper  
248 100  
250 190.2 76.9 115.3#  
141 426.0 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

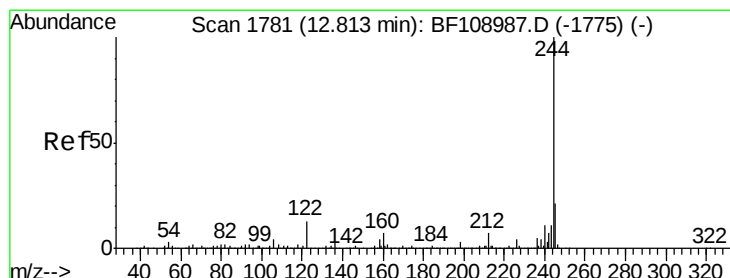
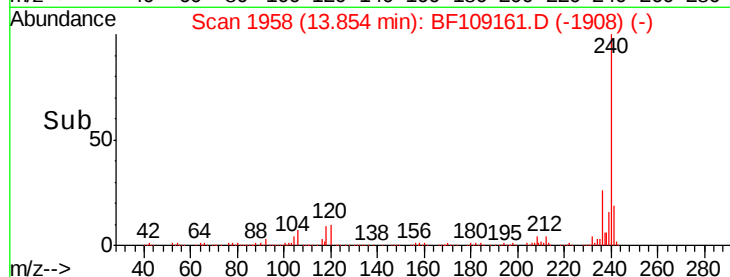
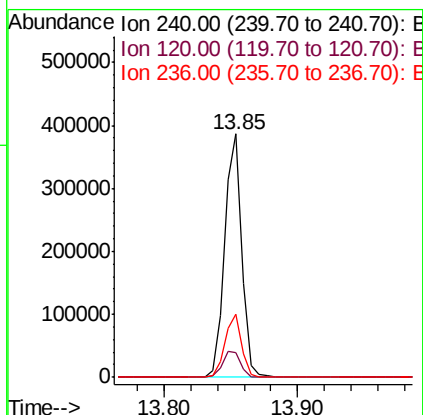
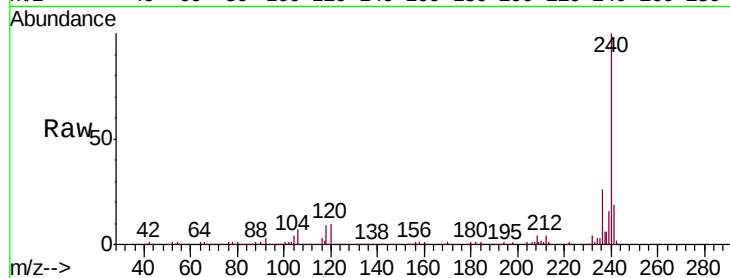




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.85 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

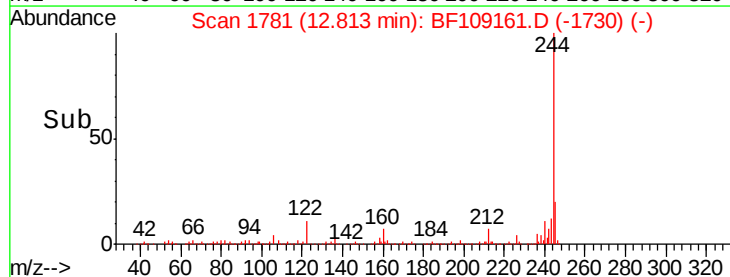
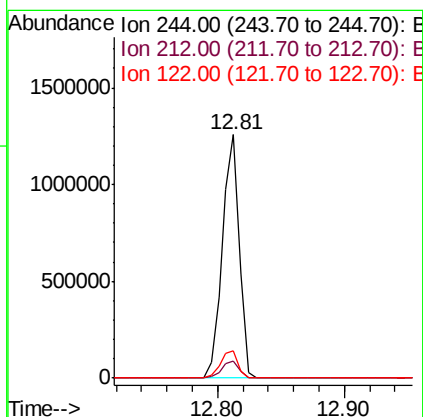
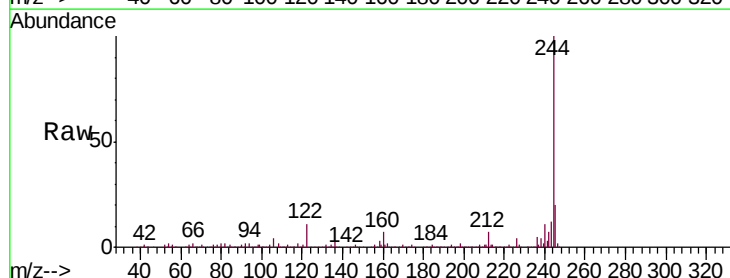
Instrument :  
BNA\_F  
ClientSampleId :  
091718-DBRI-E-D-B

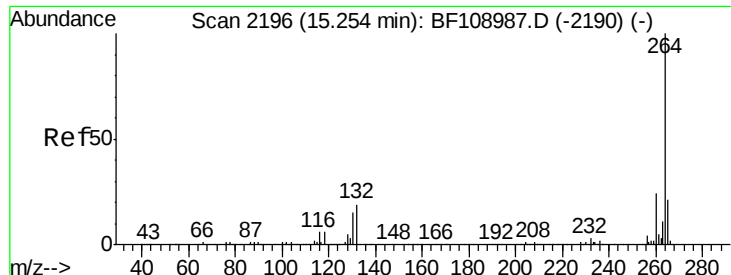
Tgt Ion:240 Resp: 349885  
Ion Ratio Lower Upper  
240 100  
120 10.3 9.5 14.3  
236 26.1 20.7 31.1



#78  
Terphenyl-d14  
Concen: 79.462 ng  
RT: 12.81 min Scan# 1781  
Delta R.T. -0.00 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Tgt Ion:244 Resp: 1172977  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.0  
122 11.1 11.0 16.4

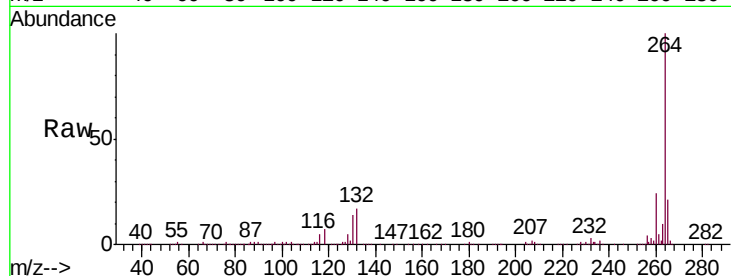




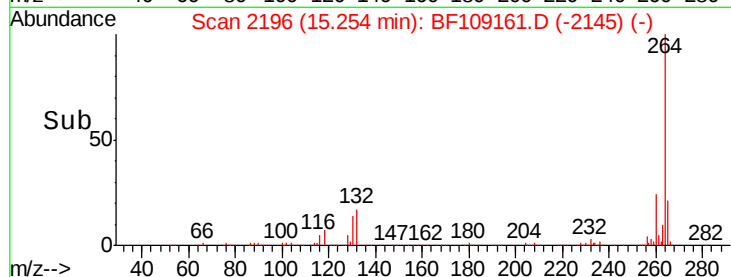
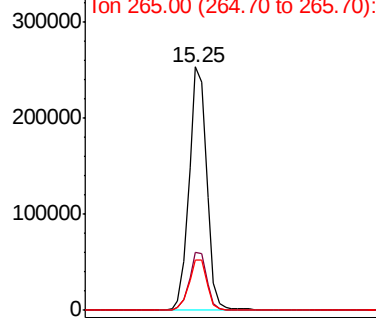
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: BF109161.D  
Acq: 19 Sep 2018 23:11

Instrument :  
BNA\_F  
ClientSampleId :  
091718-DBRI-E-D-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.2  | 28.8  |
| 265     | 20.8  | 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



Time-->