

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091918\  
 Data File : BF109178.D  
 Acq On : 20 Sep 2018 6:53  
 Operator : JU/SJ  
 Sample : PB112999BL  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BL

Quant Time: Sep 20 07:41:19 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

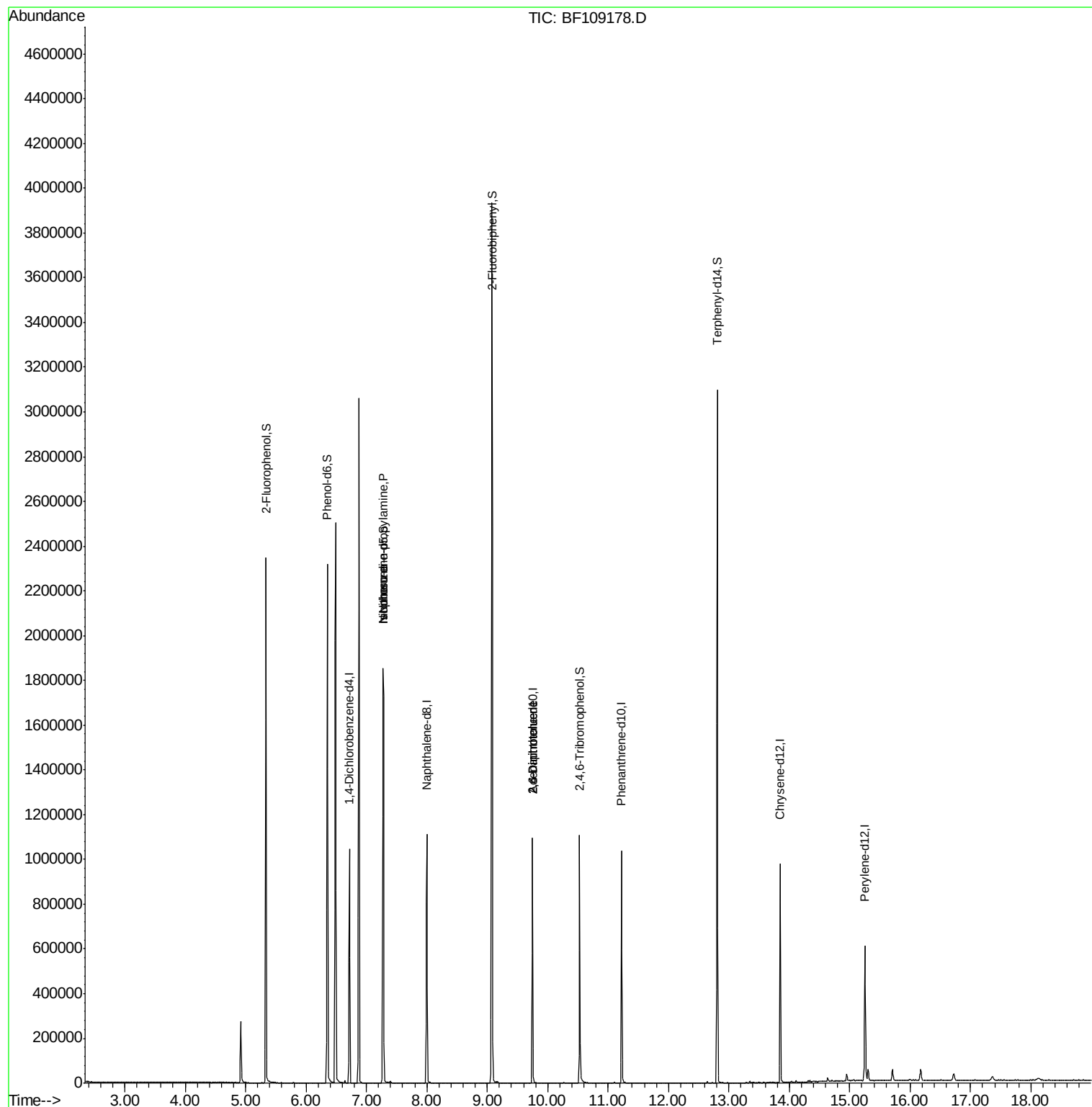
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 138137   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 490499   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 208294   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.22 | 188  | 355098   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.85 | 240  | 345416   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.25 | 264  | 282485   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.34  | 112  | 652424   | 78.44  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.35  | 99   | 808972   | 75.43  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 724855   | 82.89  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.53 | 330  | 136060   | 60.19  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1275604  | 95.95  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.81 | 244  | 1157453  | 79.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 98321    | 13.870 | ng    | # 77     |
| 25) Isophorone                 | 7.28  | 82   | 718945   | 47.826 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 26848    | 8.132  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 26848    | 6.218  | ng    | # 23     |

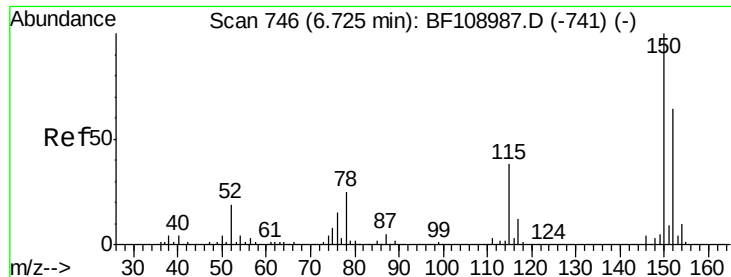
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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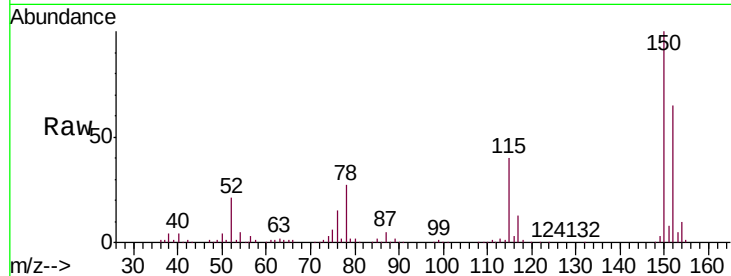




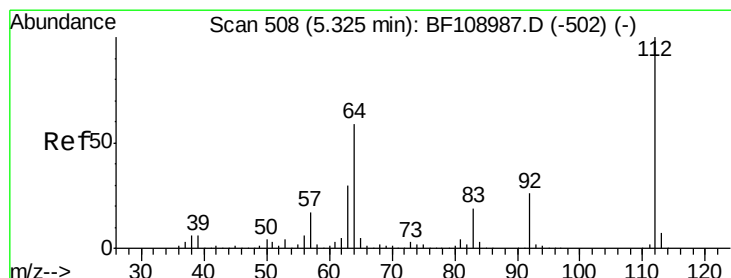
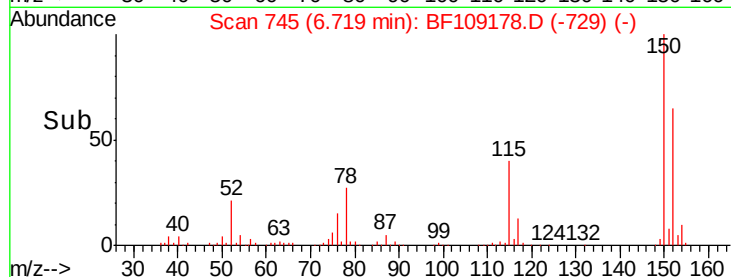
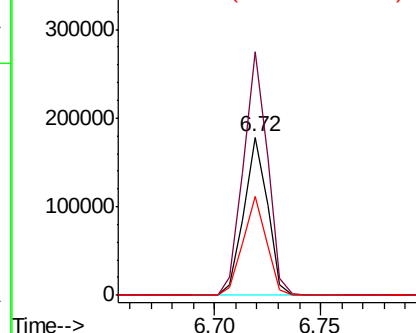
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BL

Tgt Ion:152 Resp: 138137  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 124.6 186.8  
 115 62.2 50.1 75.1

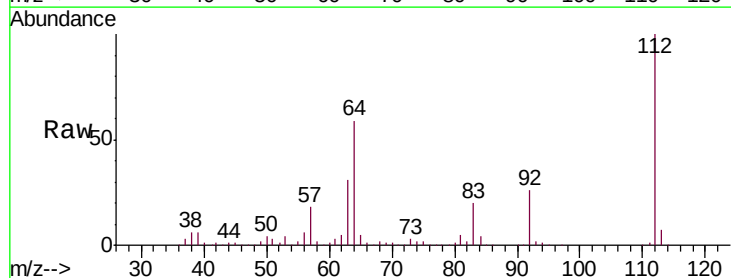


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

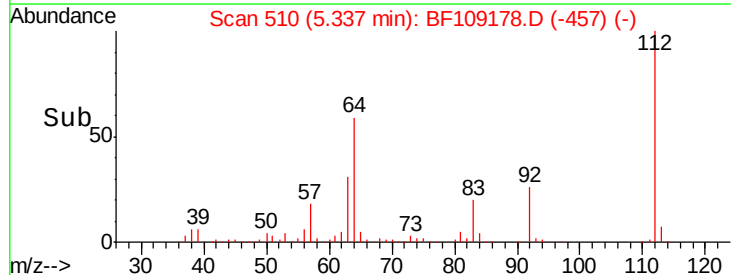
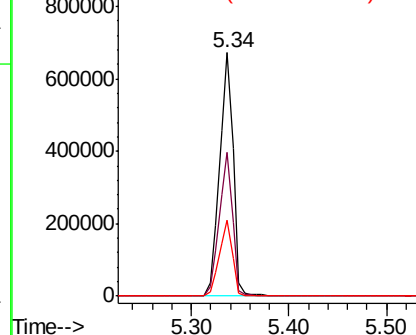


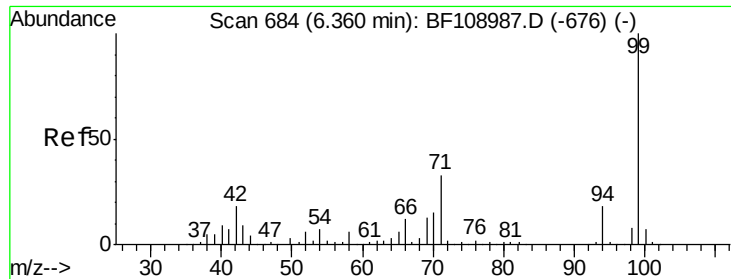
#5  
 2-Fluorophenol  
 Concen: 78.444 ng  
 RT: 5.34 min Scan# 510  
 Delta R.T. 0.01 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

Tgt Ion:112 Resp: 652424  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 47.9 71.9  
 63 31.2 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: 75.432 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

Instrument :

BNA\_F

ClientSampleId :

PB112999BL

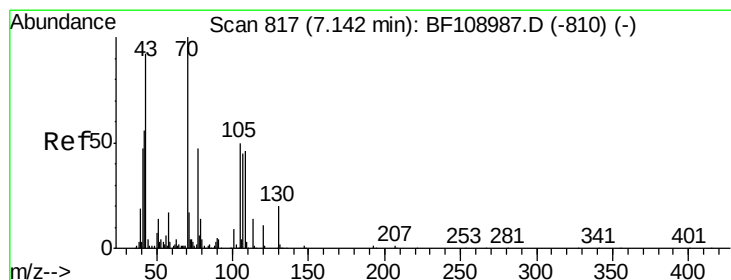
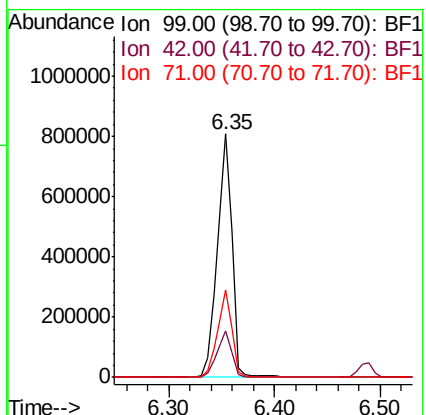
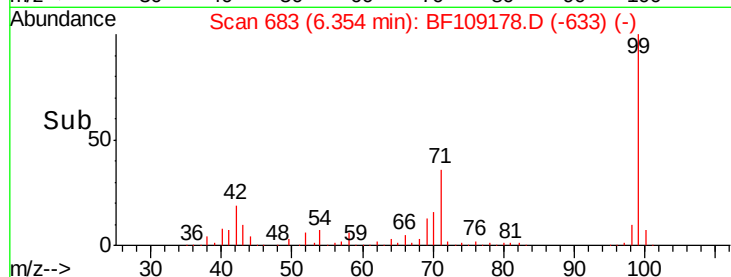
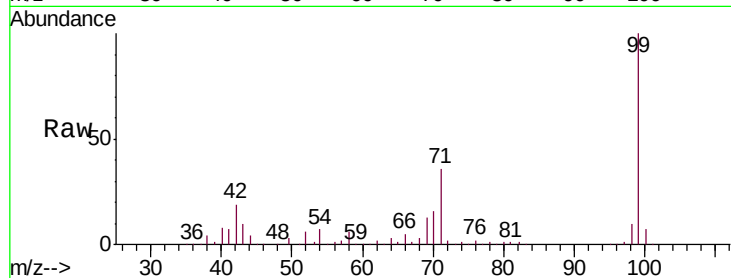
Tgt Ion: 99 Resp: 808972

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

71 36.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.870 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

Tgt Ion: 70 Resp: 98321

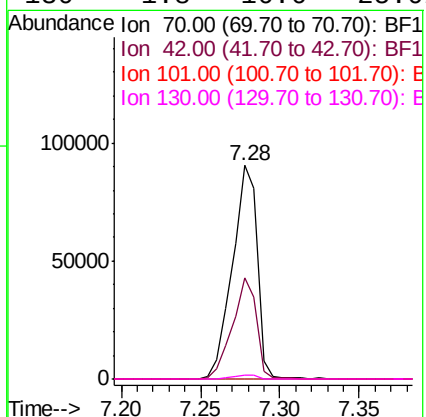
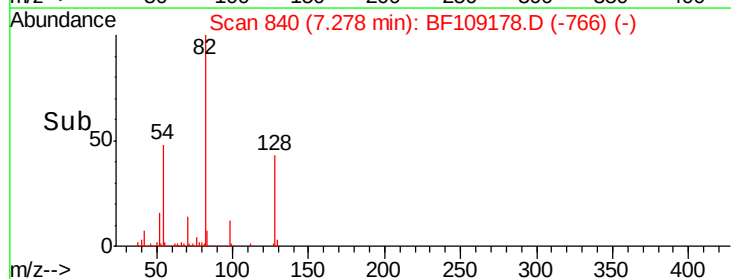
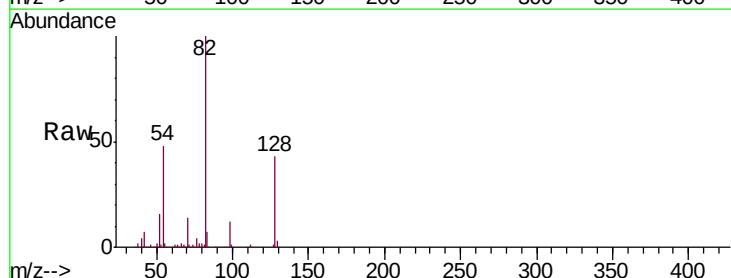
Ion Ratio Lower Upper

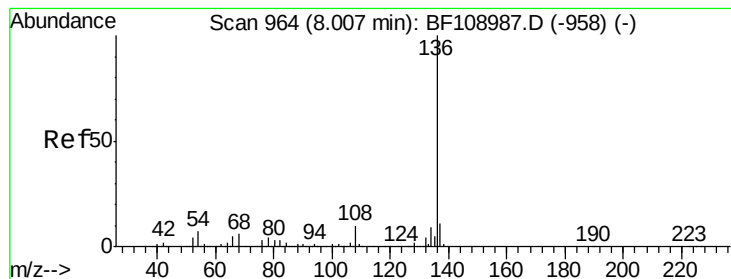
70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 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: BF109178.D

Acq: 20 Sep 2018 6:53

Instrument :

BNA\_F

ClientSampleId :

PB112999BL

Tgt Ion: 136 Resp: 490499

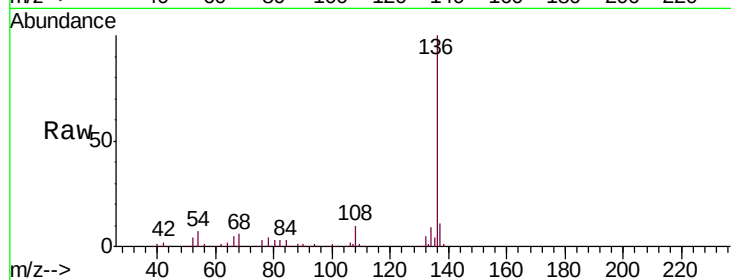
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.9 6.6 9.8

68 5.6 5.0 7.4

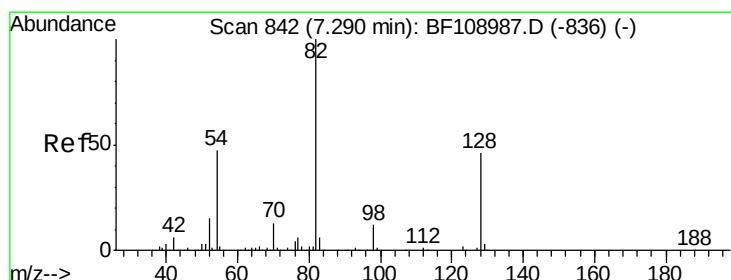
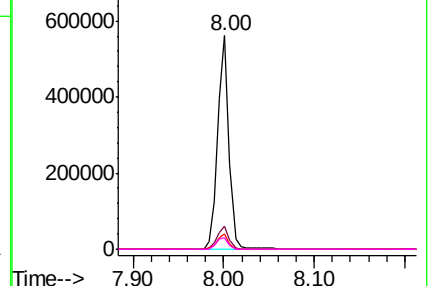
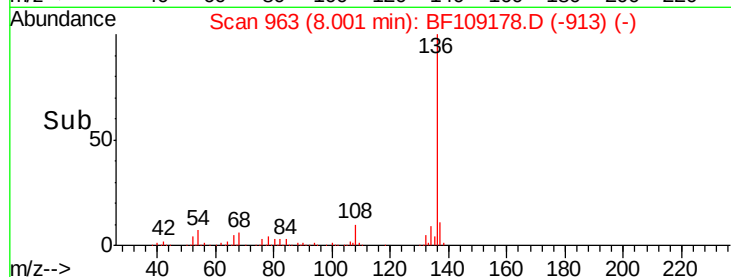


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.887 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

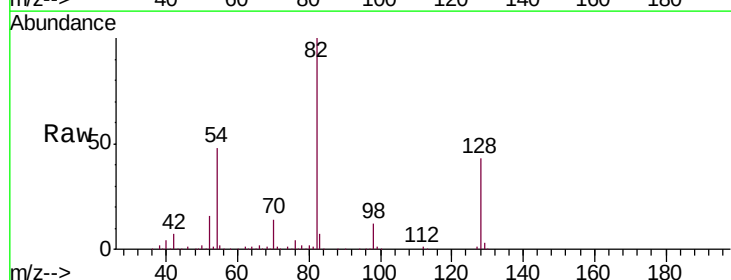
Tgt Ion: 82 Resp: 724855

Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

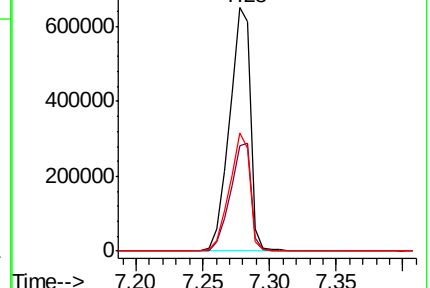
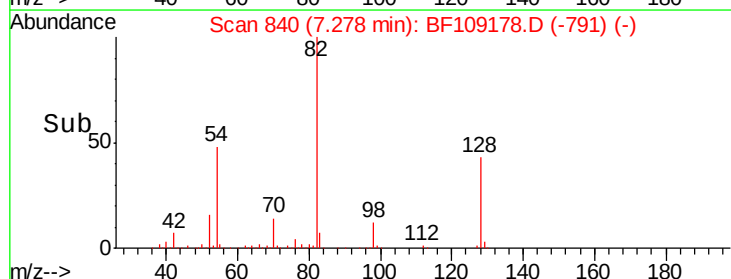
54 48.4 41.4 62.2

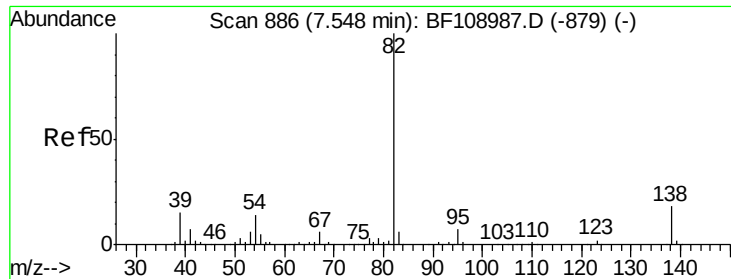


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.826 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

Instrument :

BNA\_F

ClientSampleId :

PB112999BL

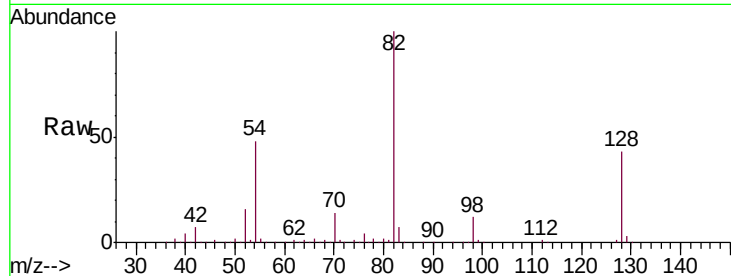
Tgt Ion: 82 Resp: 718945

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

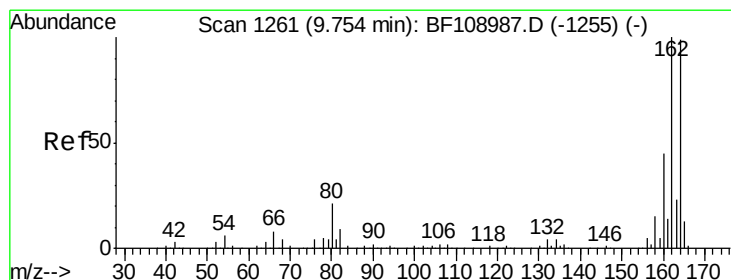
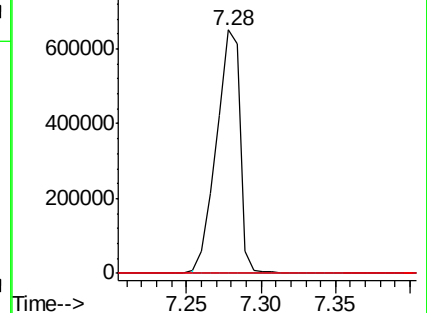
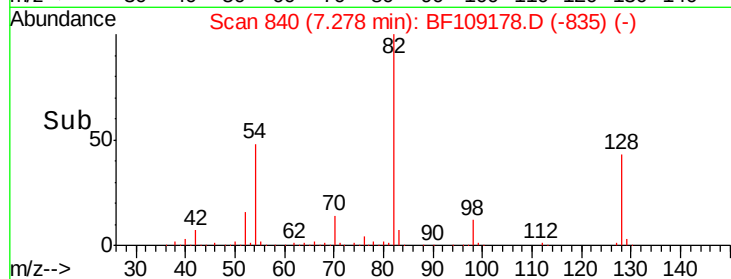
138 0.0 14.9 22.3#



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: BF109178.D

Acq: 20 Sep 2018 6:53

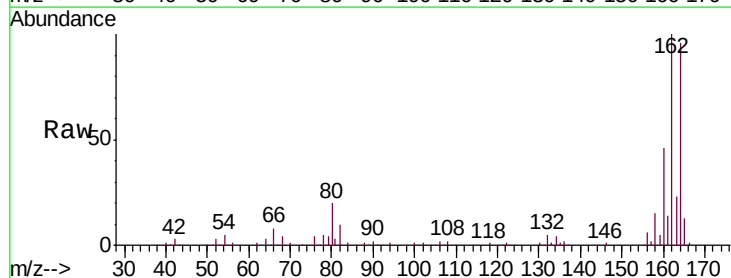
Tgt Ion: 164 Resp: 208294

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

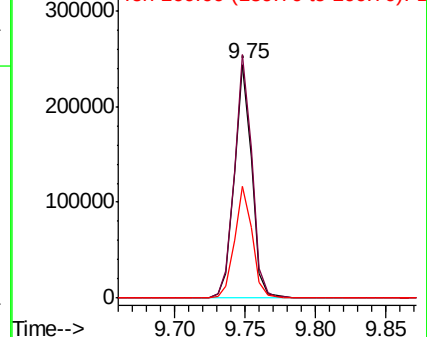
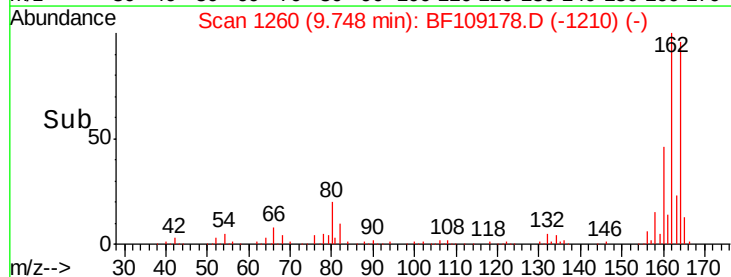
160 47.7 38.3 57.5

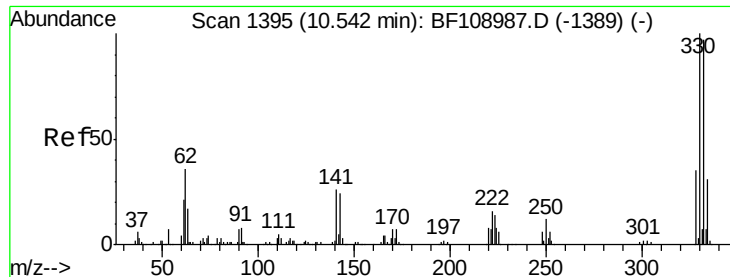


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

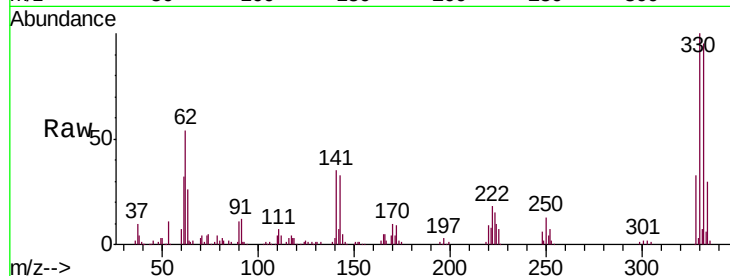




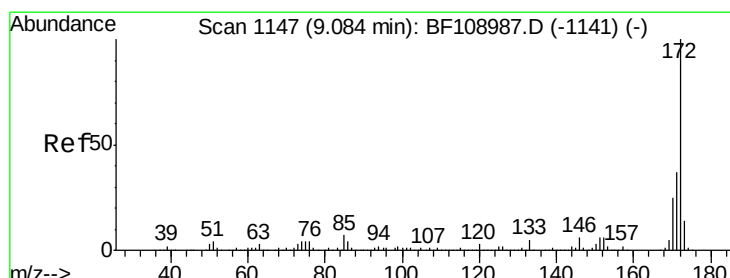
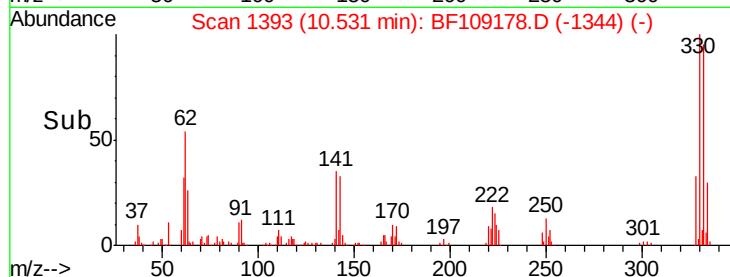
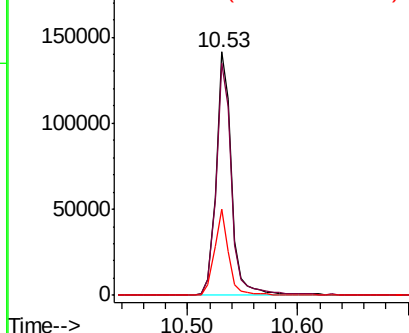
#41  
 2,4,6-Tribromophenol  
 Concen: 60.189 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 77.0  | 115.6 |
| 141     | 32.4  | 29.9  | 44.9  |

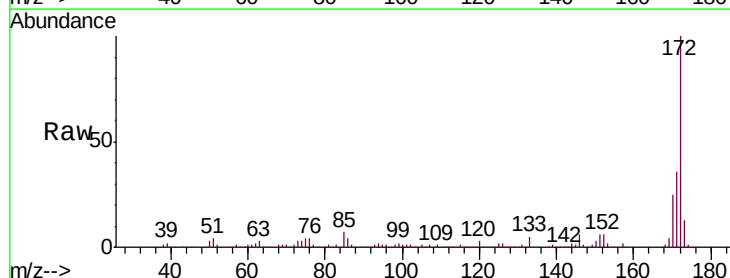


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

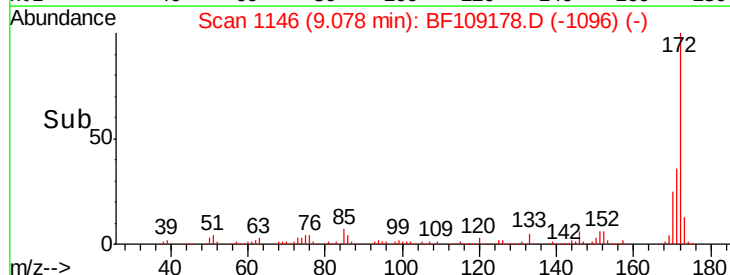
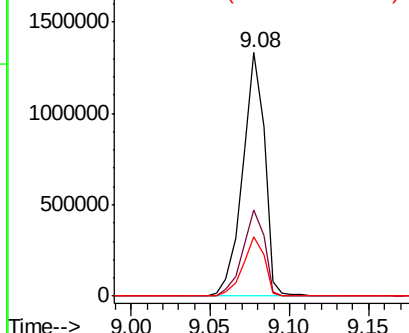


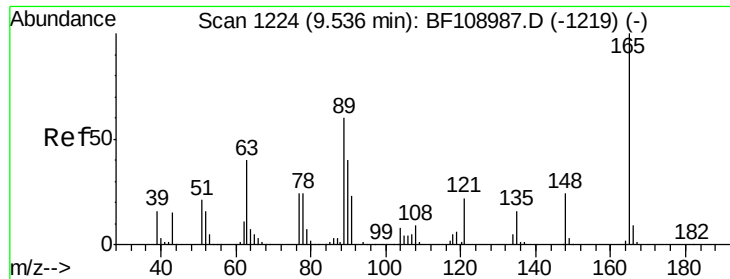
#44  
 2-Fluorobiphenyl  
 Concen: 95.947 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.7  | 44.5  |
| 170     | 24.6  | 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

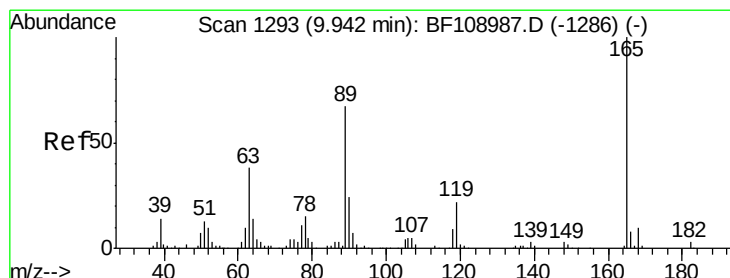
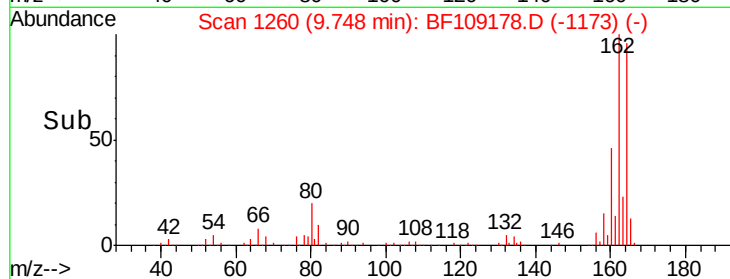
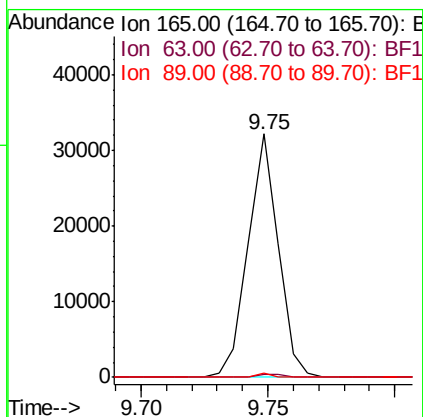
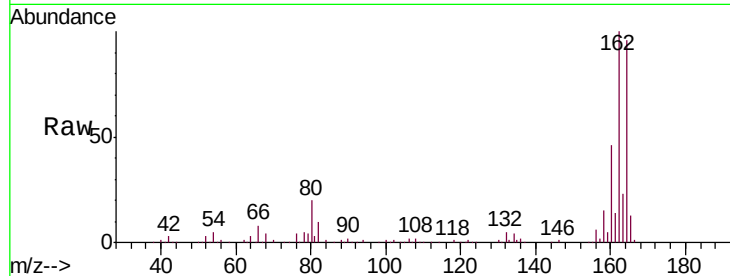




#50  
 2,6-Dinitrotoluene  
 Concen: 8.132 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. 0.21 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

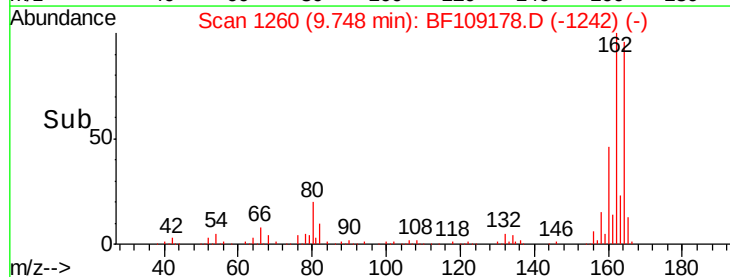
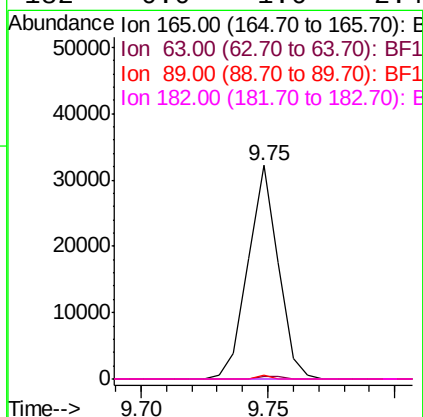
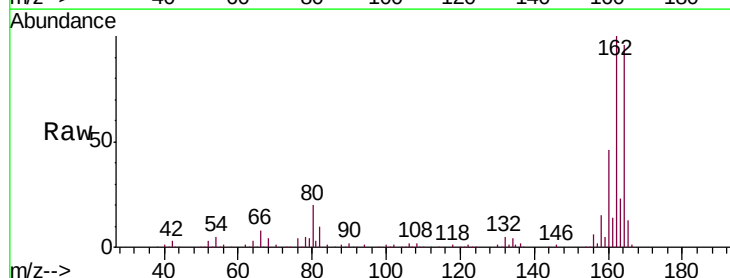
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112999BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 44.7  | 67.1# |
| 89      | 1.6   | 44.0  | 66.0# |

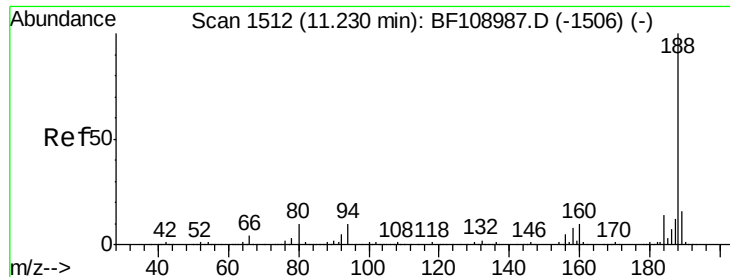


#56  
 2,4-Dinitrotoluene  
 Concen: 6.218 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.19 min  
 Lab File: BF109178.D  
 Acq: 20 Sep 2018 6:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 36.4  | 54.6# |
| 89      | 1.6   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



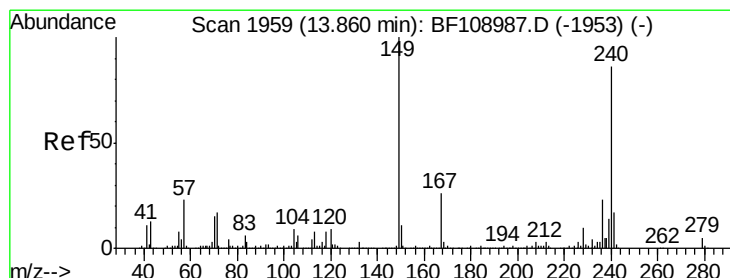
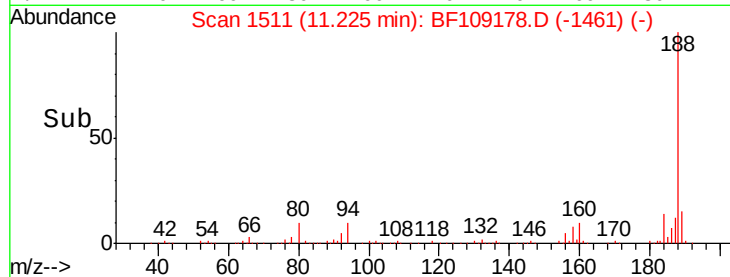
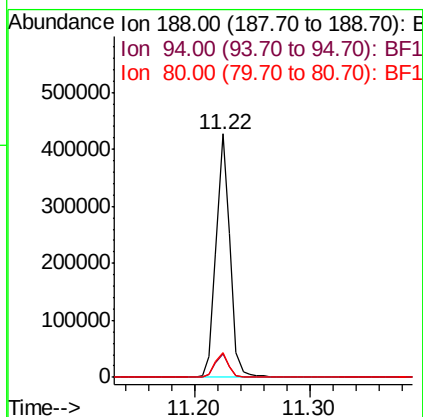
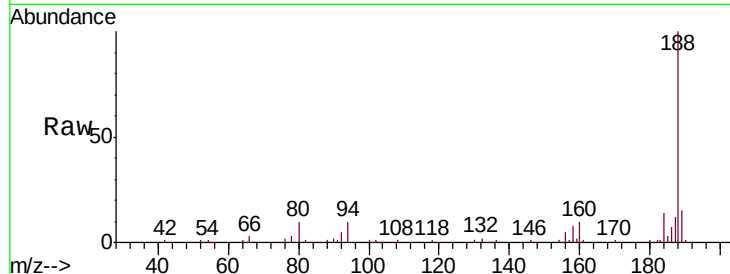




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1511  
Delta R.T. -0.01 min  
Lab File: BF109178.D  
Acq: 20 Sep 2018 6:53

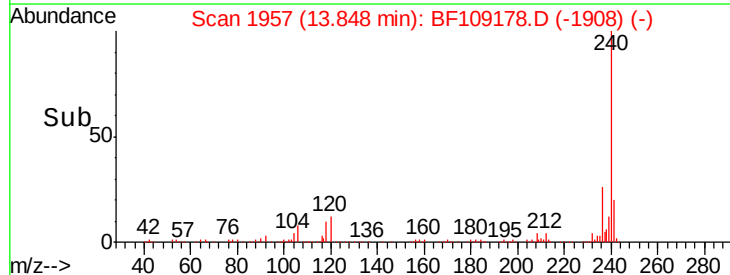
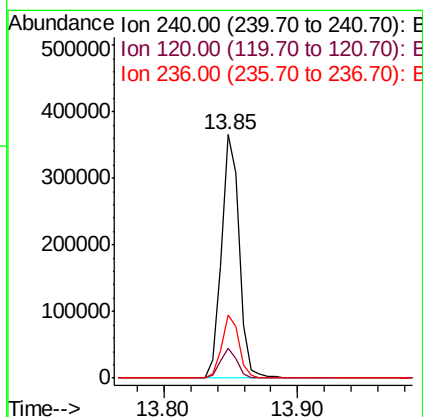
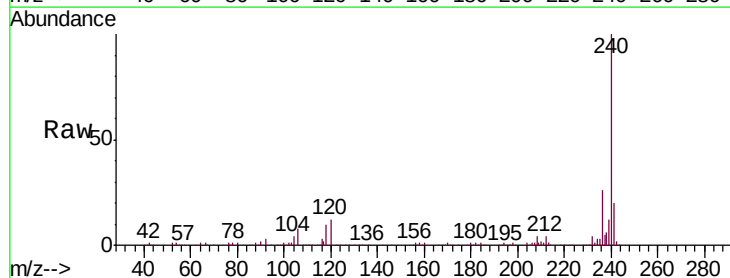
Instrument :  
BNA\_F  
ClientSampled :  
PB112999BL

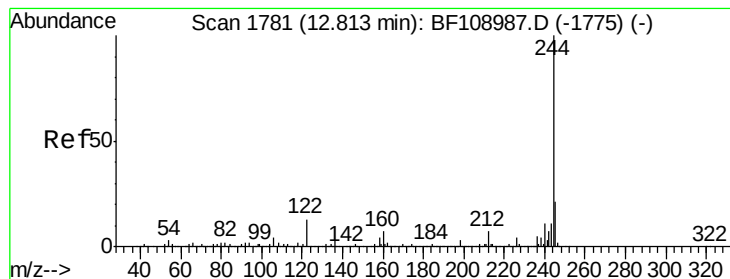
Tgt Ion:188 Resp: 355098  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.5 12.7  
80 10.1 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.85 min Scan# 1957  
Delta R.T. -0.01 min  
Lab File: BF109178.D  
Acq: 20 Sep 2018 6:53

Tgt Ion:240 Resp: 345416  
Ion Ratio Lower Upper  
240 100  
120 12.0 9.5 14.3  
236 25.8 20.7 31.1





#78

Terphenyl-d14

Concen: 79.425 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

Instrument :

BNA\_F

ClientSampleId :

PB112999BL

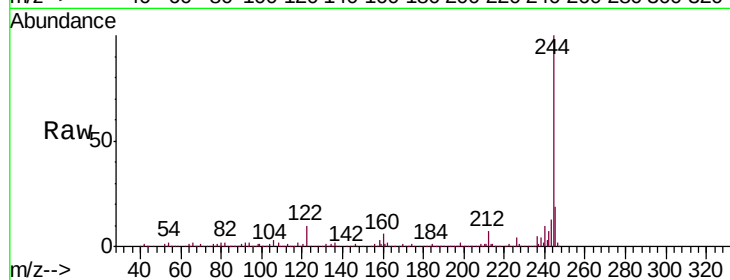
Tgt Ion:244 Resp: 1157453

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

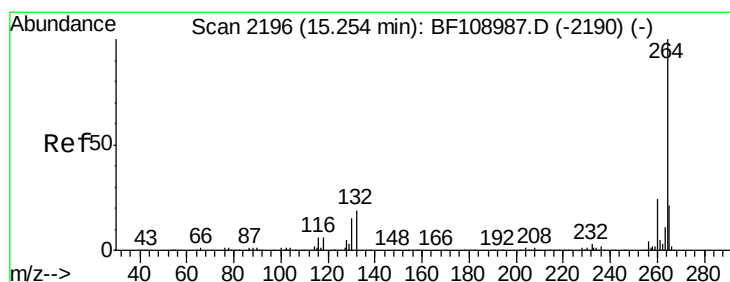
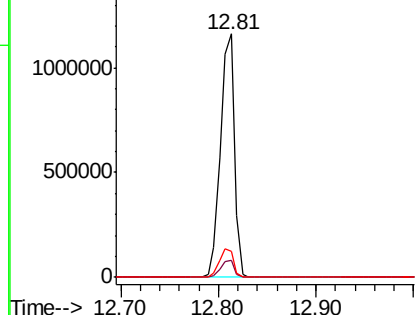
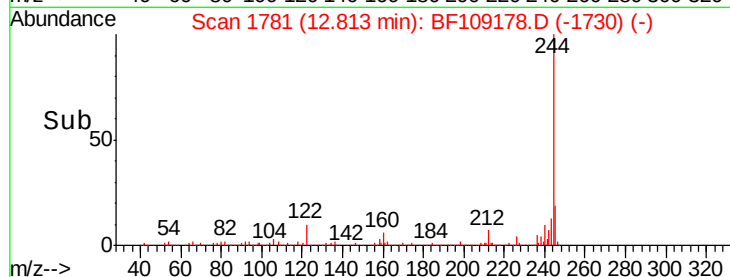
122 10.5 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF109178.D

Acq: 20 Sep 2018 6:53

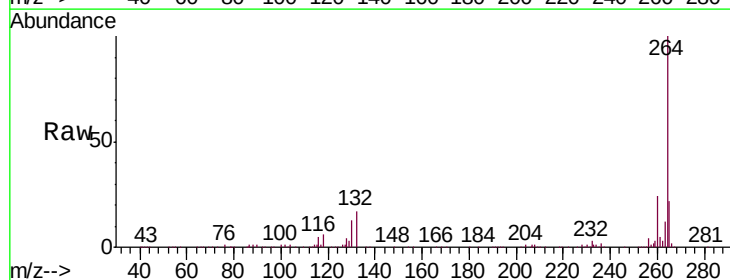
Tgt Ion:264 Resp: 282485

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.7 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

