

Data File : BF109032.D  
Acq On : 15 Sep 2018 8:40  
Operator : JU/SJ  
Sample : J4901-15  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-M

Quant Time: Sep 17 03:16:16 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  | 152945   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 579623   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 276370   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 551940   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.85 | 240  | 412198   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.25 | 264  | 373950   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 386062  | 41.92  | ng | 0.00  |
| 7) Phenol-d6                | 6.34  | 99  | 348689  | 29.37  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 936424  | 90.61  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330 | 279238  | 93.10  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.08  | 172 | 1579256 | 89.53  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.81 | 244 | 1805089 | 103.80 | ng | 0.00  |

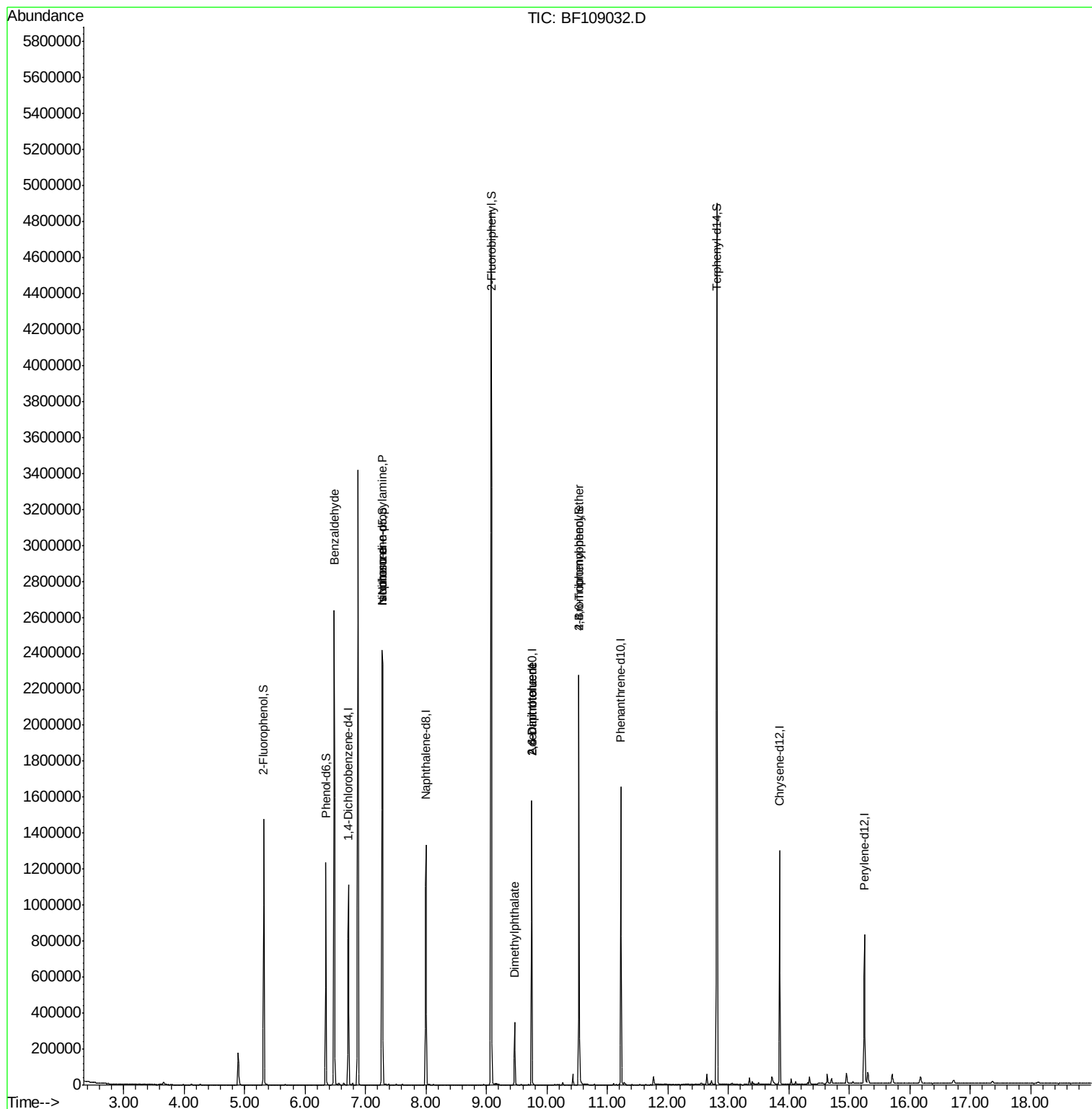
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 9) Benzaldehyde                | 6.48  | 77  | 15595  | 2.056  | ng | # 70 |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70  | 126469 | 16.113 | ng | # 78 |
| 25) Isophorone                 | 7.28  | 82  | 930222 | 52.365 | ng | # 64 |
| 49) Dimethylphthalate          | 9.47  | 163 | 124443 | 6.300  | ng | # 99 |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165 | 35432  | 8.088  | ng | # 26 |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165 | 35432  | 6.185  | ng | # 23 |
| 66) 4-Bromophenyl-phenylether  | 10.53 | 248 | 17277  | 2.777  | ng | # 1  |

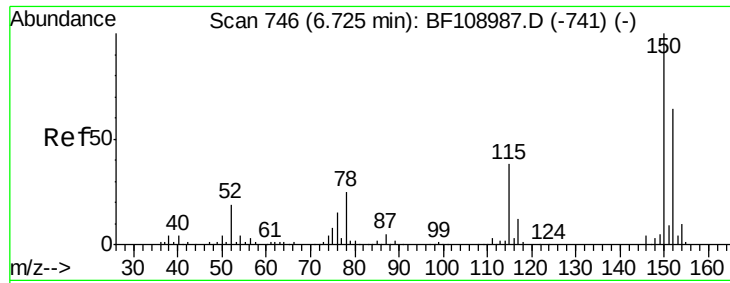
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF109032.D  
Acq On : 15 Sep 2018 8:40  
Operator : JU/SJ  
Sample : J4901-15  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-M

Quant Time: Sep 17 03:16:16 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



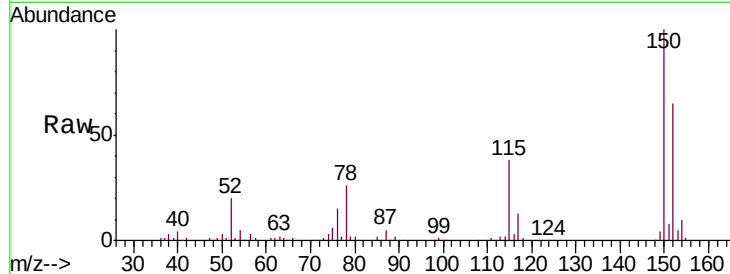


#1

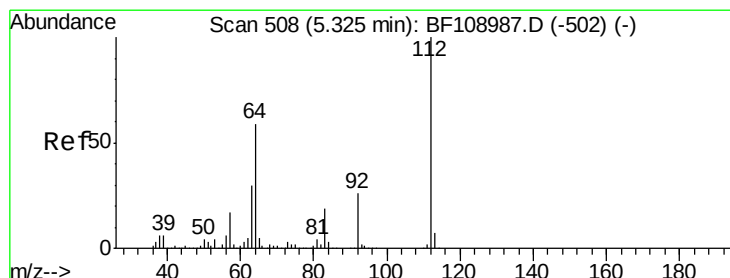
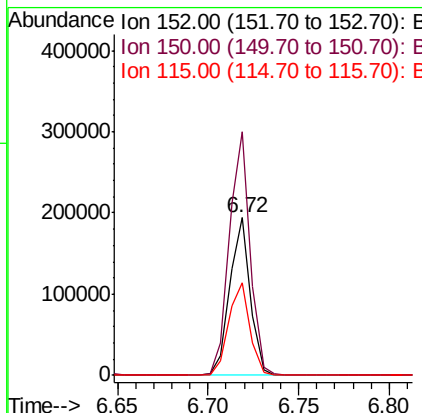
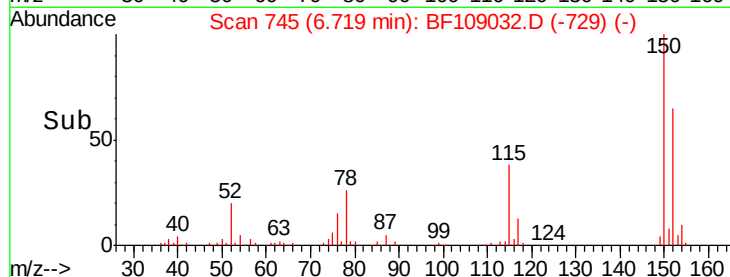
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.7 | 124.6 | 186.8 |
| 115     | 58.5  | 50.1  | 75.1  |



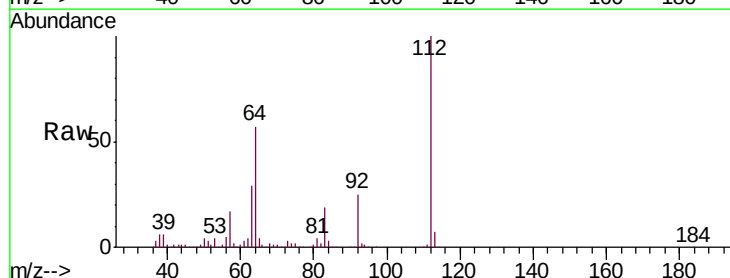
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



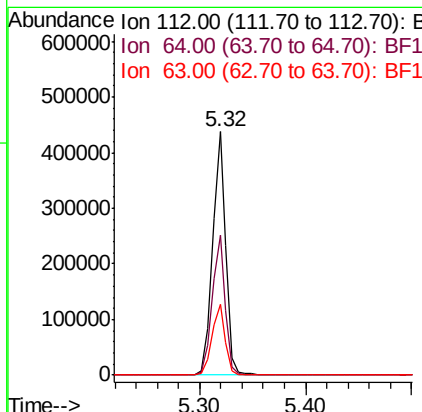
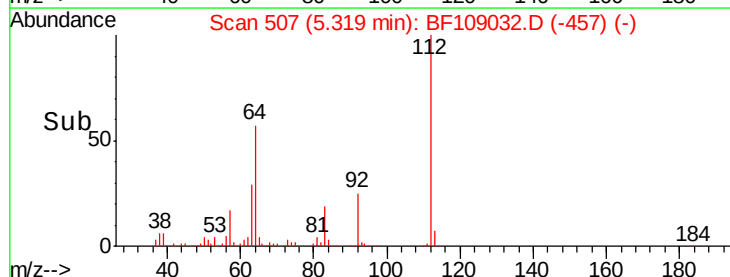
#5

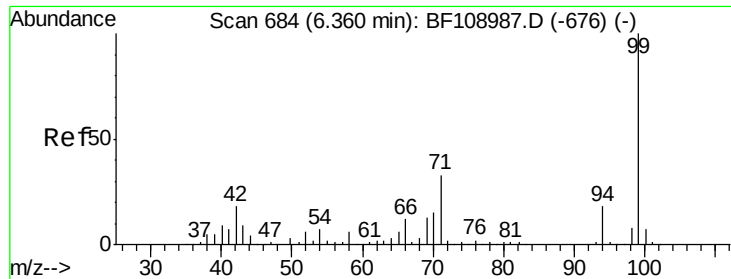
2-Fluorophenol  
 Concen: 41.924 ng  
 RT: 5.32 min Scan# 507  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.3  | 47.9  | 71.9  |
| 63      | 29.1  | 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: 29.365 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109032.D

Acq: 15 Sep 2018 8:40

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-U-M

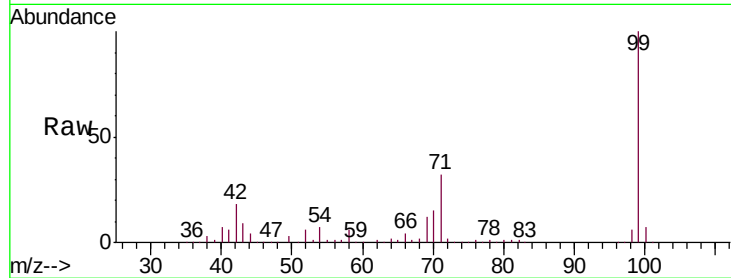
Tgt Ion: 99 Resp: 348689

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

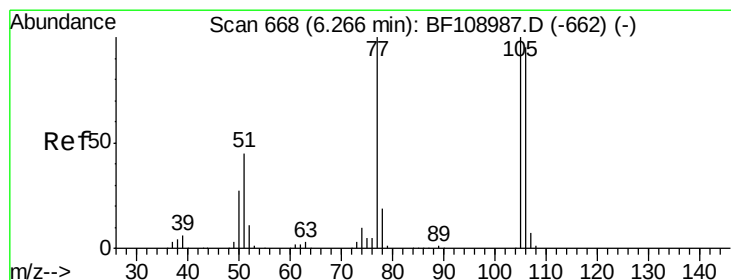
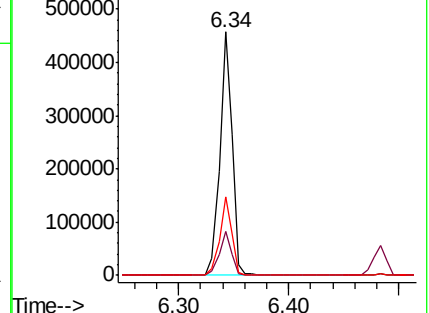
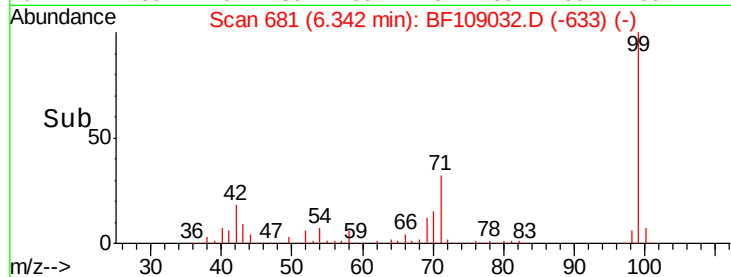
71 32.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.056 ng

RT: 6.48 min Scan# 705

Delta R.T. 0.22 min

Lab File: BF109032.D

Acq: 15 Sep 2018 8:40

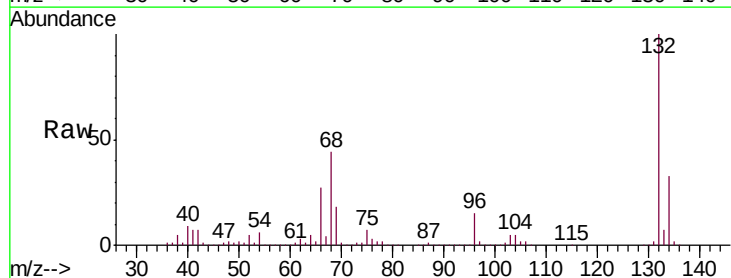
Tgt Ion: 77 Resp: 15595

Ion Ratio Lower Upper

77 100

105 72.3 81.1 121.1#

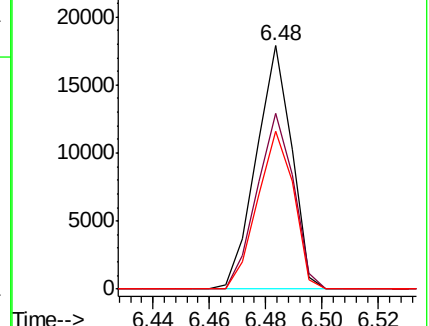
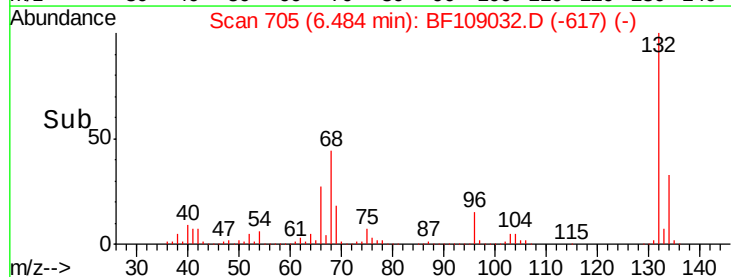
106 64.9 74.5 114.5#

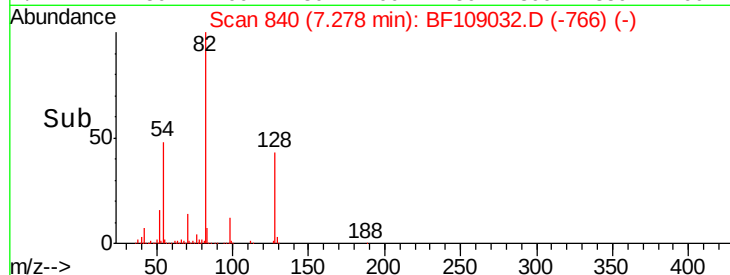
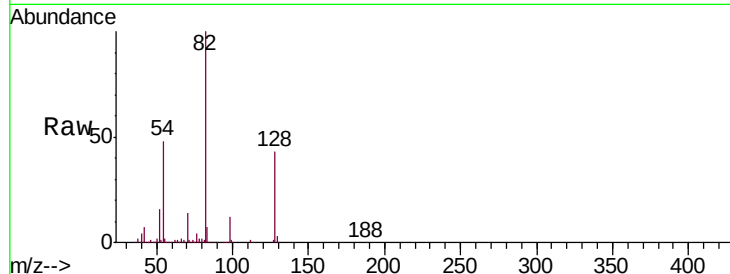
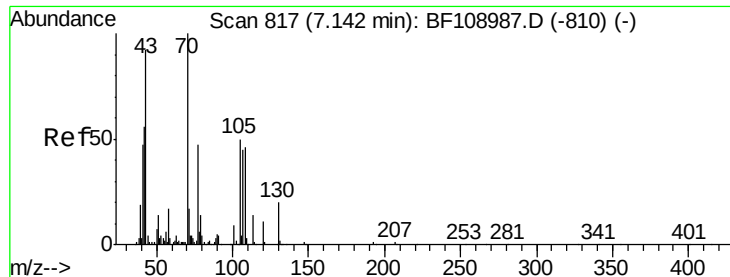


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

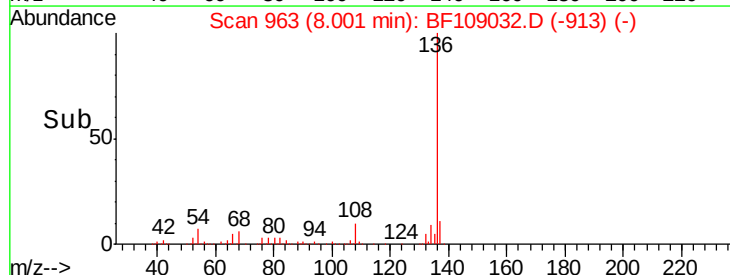
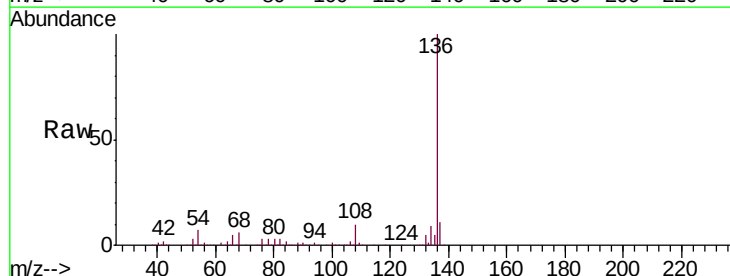
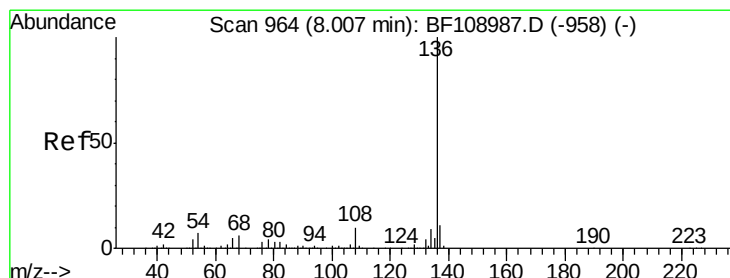
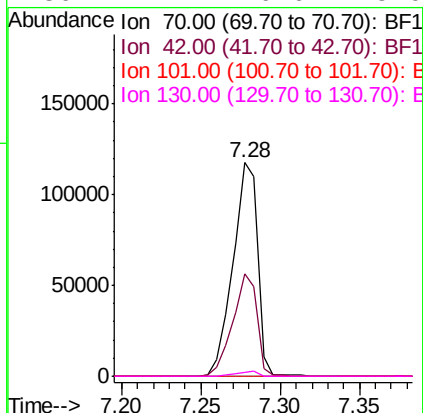




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.113 ng  
RT: 7.28 min Scan# 840  
Delta R.T. 0.14 min  
Lab File: BF109032.D  
Acq: 15 Sep 2018 8:40

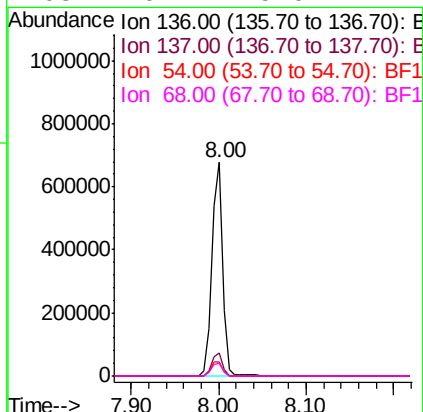
Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-M

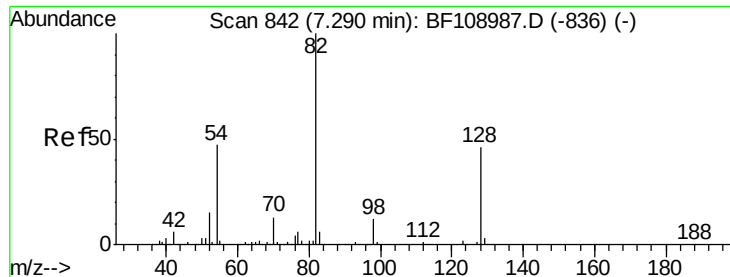
Tgt Ion: 70 Resp: 126469  
Ion Ratio Lower Upper  
70 100  
42 48.1 47.5 71.3  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109032.D  
Acq: 15 Sep 2018 8:40

Tgt Ion: 136 Resp: 579623  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 6.9 6.6 9.8  
68 6.1 5.0 7.4

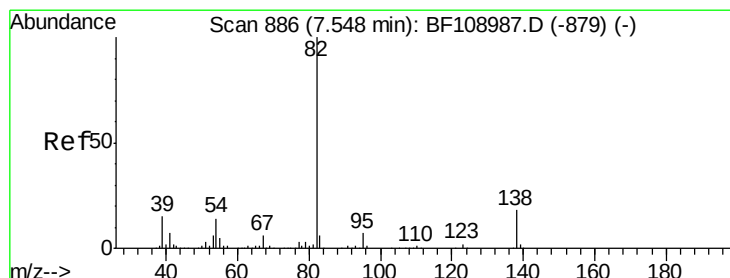
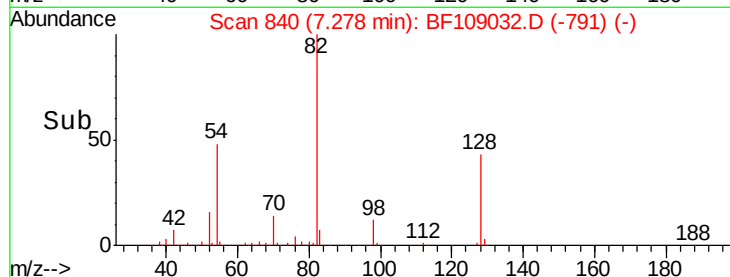
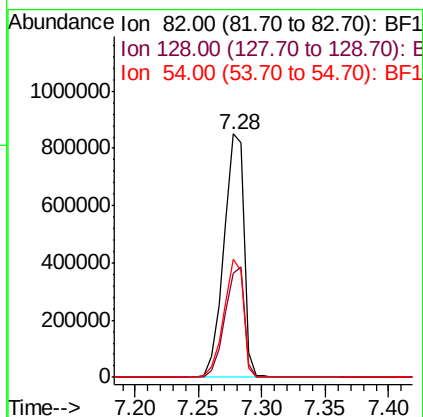
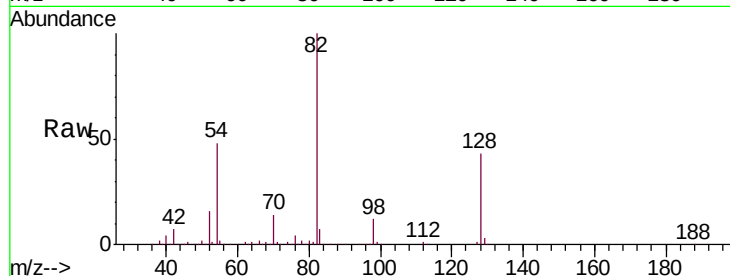




#23  
 Nitrobenzene-d5  
 Concen: 90.615 ng  
 RT: 7.28 min Scan# 840  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

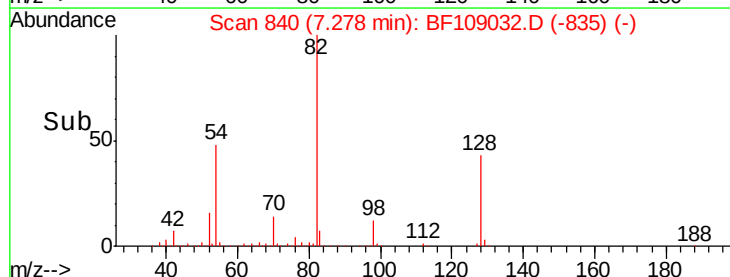
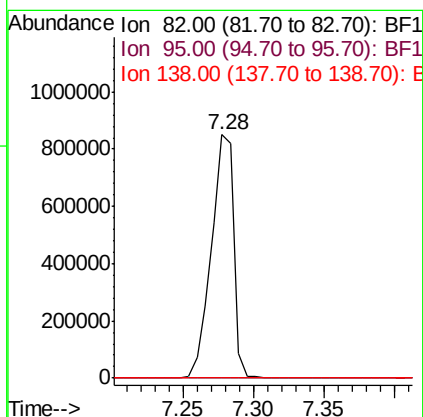
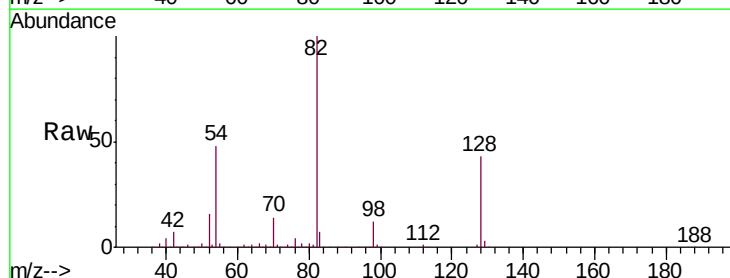
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-M

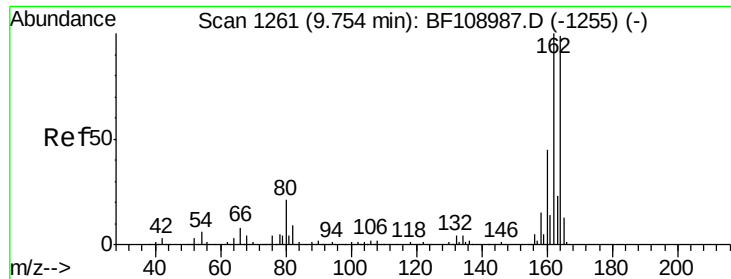
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.8  | 36.1  | 54.1  |
| 54      | 48.4  | 41.4  | 62.2  |



#25  
 Isophorone  
 Concen: 52.365 ng  
 RT: 7.28 min Scan# 840  
 Delta R.T. -0.27 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.2   | 7.8#  |
| 138     | 0.0   | 14.9  | 22.3# |

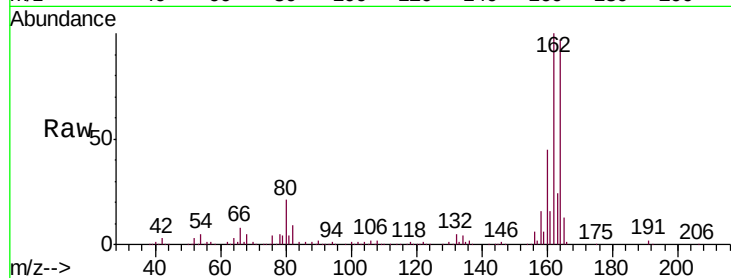




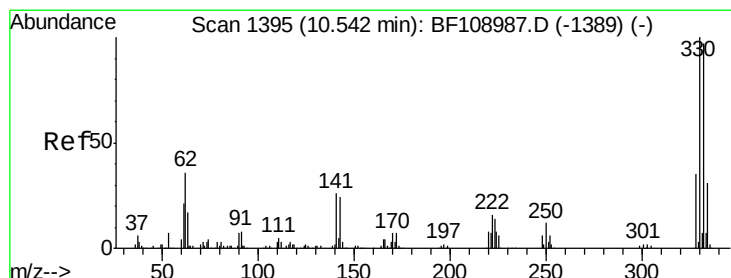
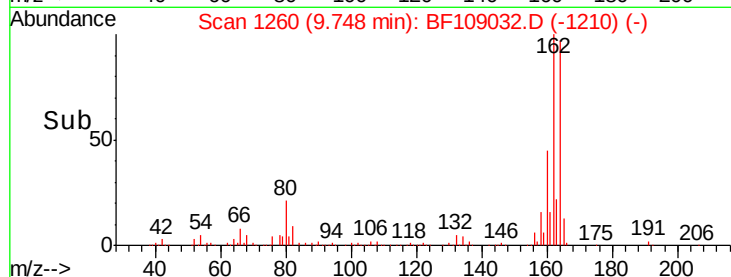
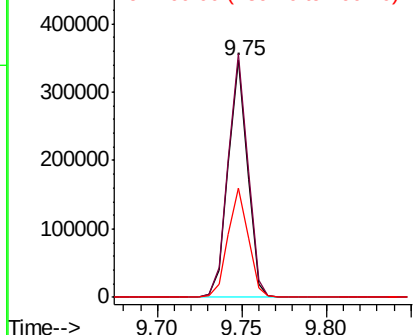
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 86.1  | 129.1 |
| 160     | 46.2  | 38.3  | 57.5  |

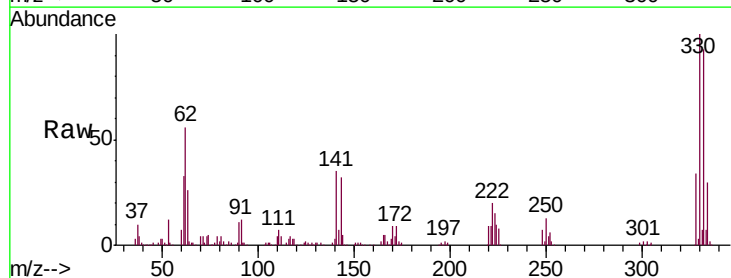


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

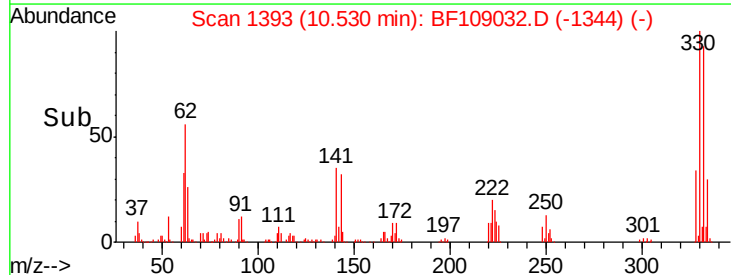
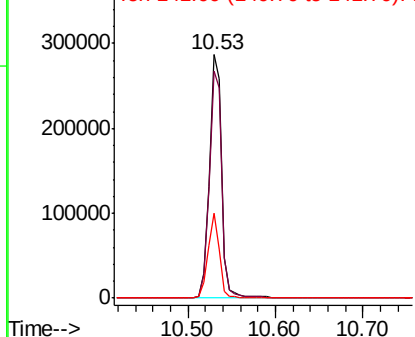


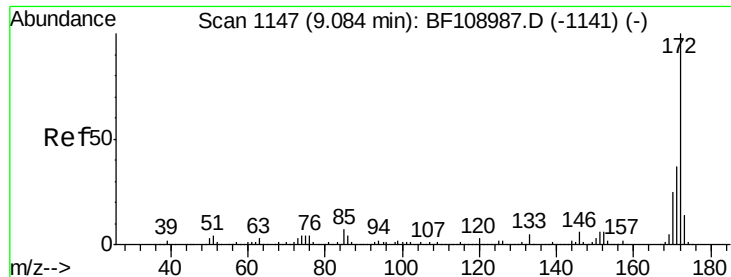
#41  
 2,4,6-Tribromophenol  
 Concen: 93.099 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 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

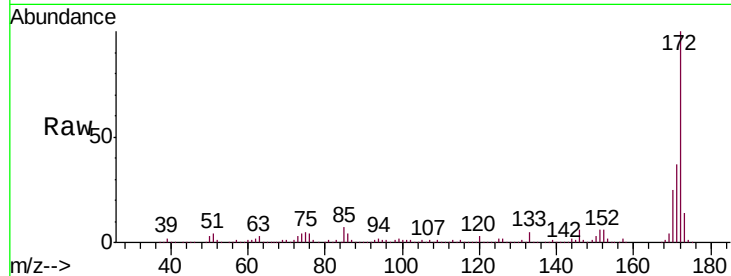




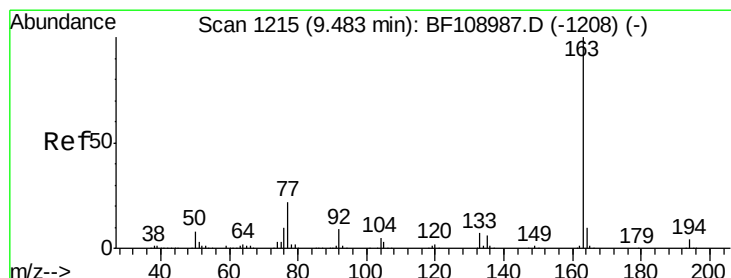
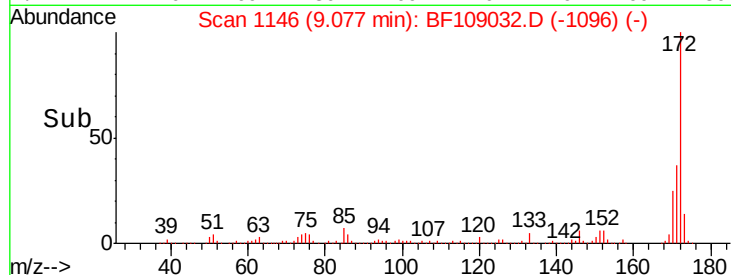
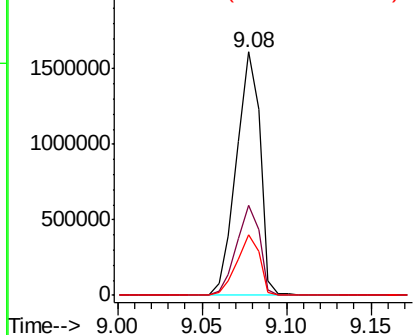
#44  
2-Fluorobiphenyl  
Concen: 89.527 ng  
RT: 9.08 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF109032.D  
Acq: 15 Sep 2018 8:40

Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-M

Tgt Ion:172 Resp: 1579256  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.7 44.5  
170 24.9 19.6 29.4

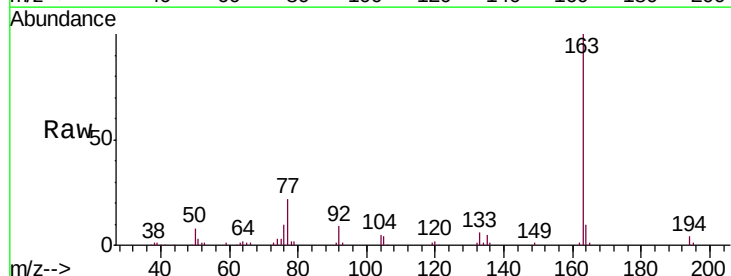


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

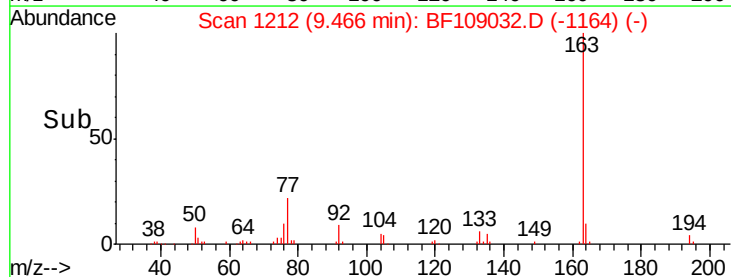
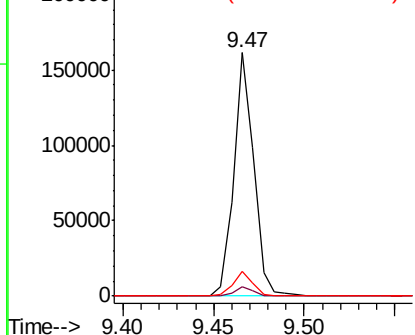


#49  
Dimethylphthalate  
Concen: 6.300 ng  
RT: 9.47 min Scan# 1212  
Delta R.T. -0.02 min  
Lab File: BF109032.D  
Acq: 15 Sep 2018 8:40

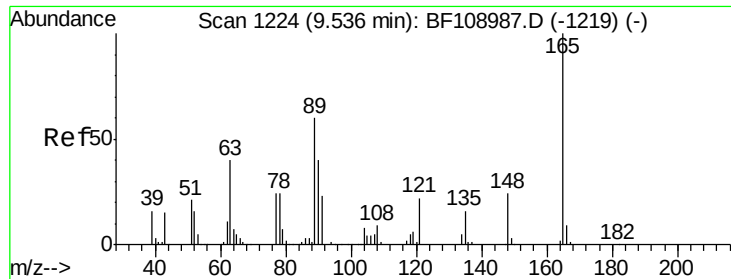
Tgt Ion:163 Resp: 124443  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 9.9 8.2 12.2



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



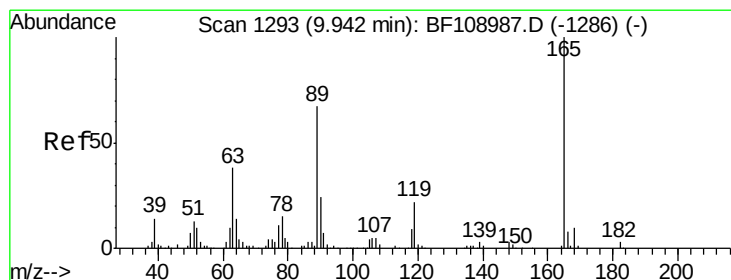
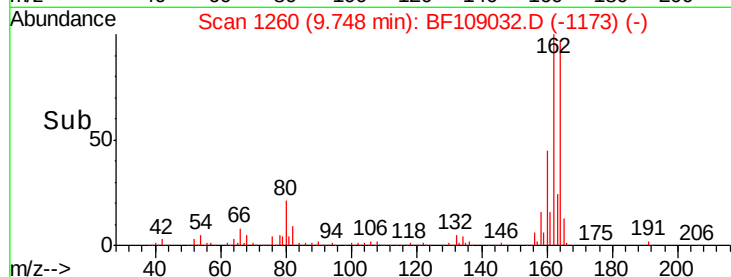
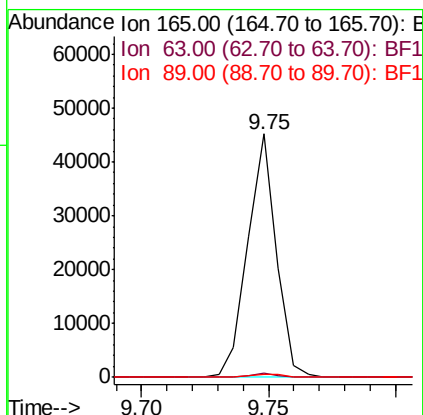
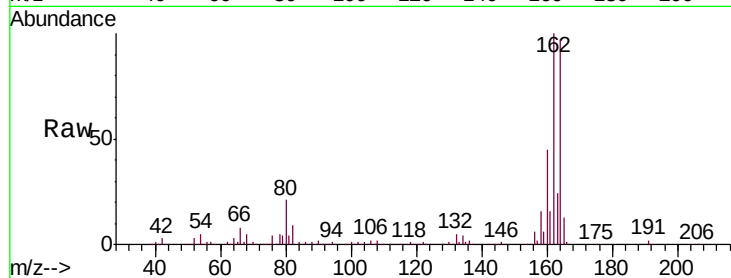




#50  
 2,6-Dinitrotoluene  
 Concen: 8.088 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. 0.21 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

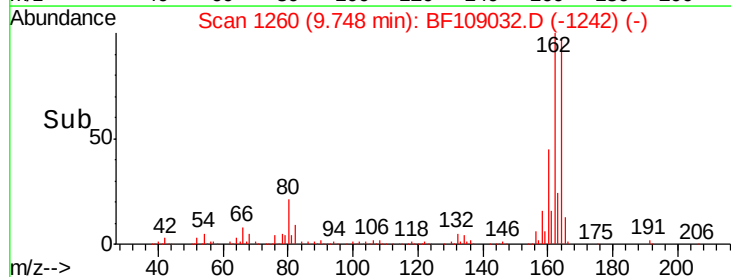
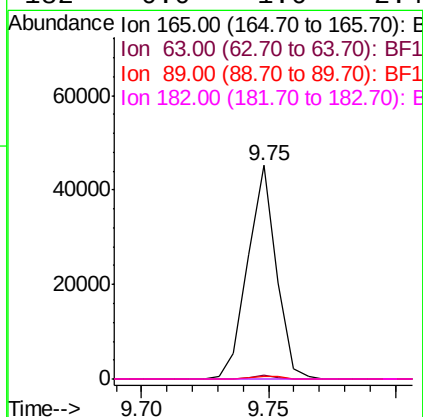
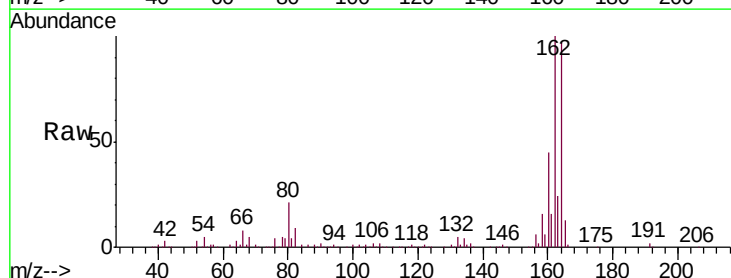
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-M

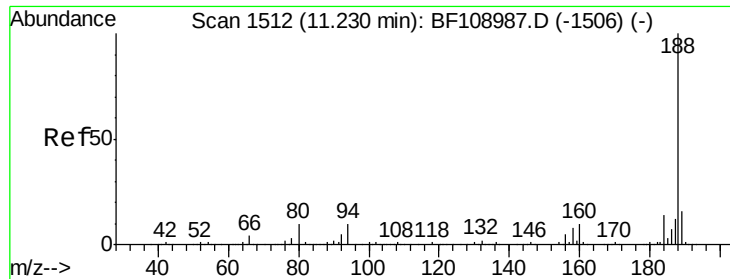
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 44.7  | 67.1# |
| 89      | 1.4   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.185 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.19 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 36.4  | 54.6# |
| 89      | 1.4   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

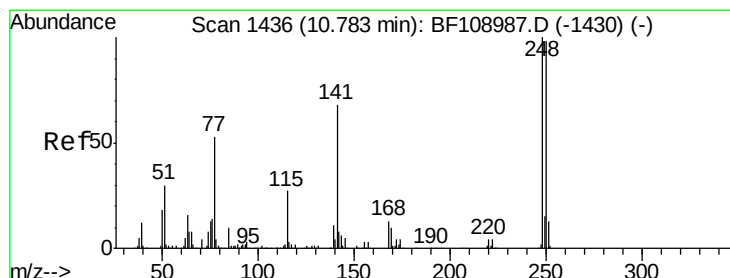
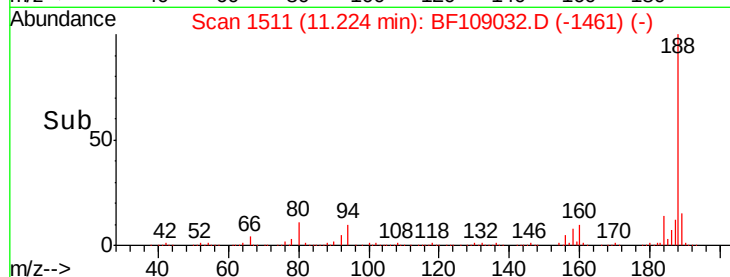
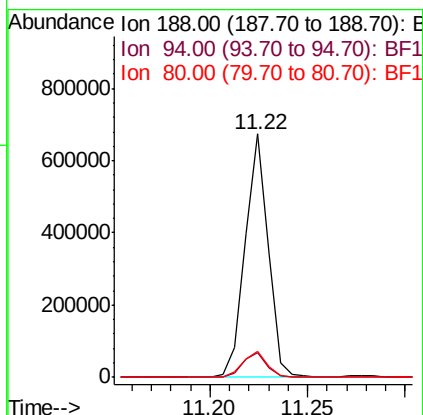
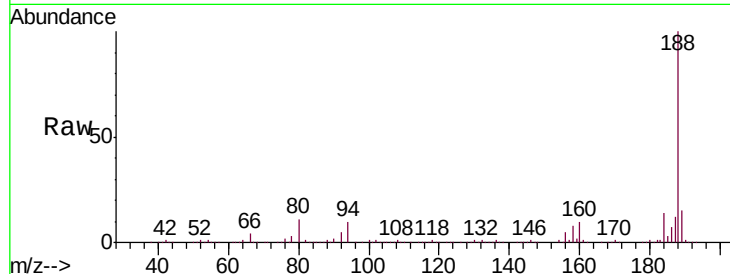




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

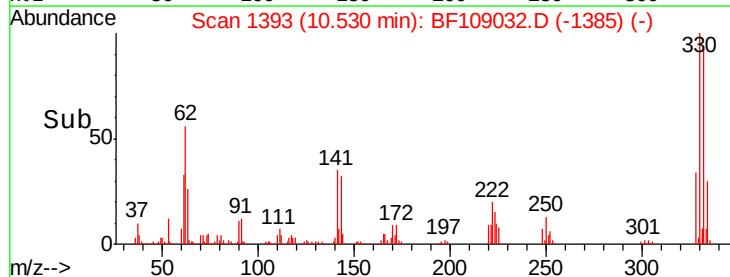
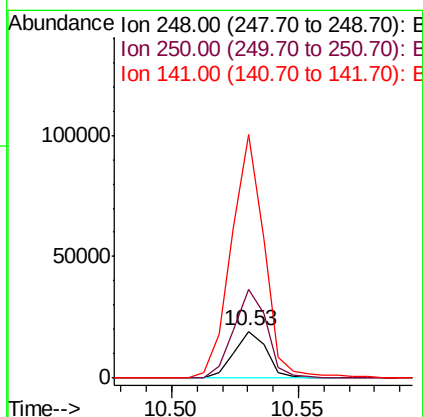
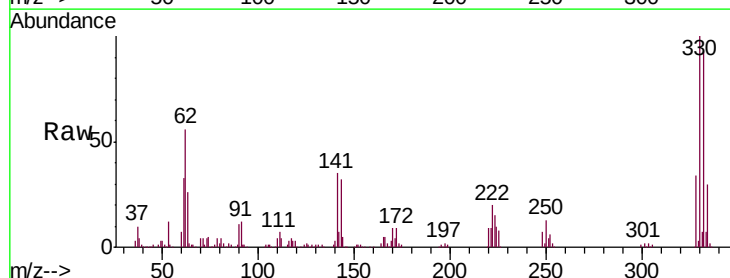
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-M

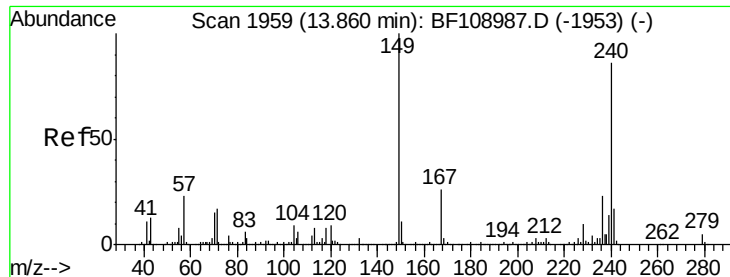
Tgt Ion:188 Resp: 551940  
 Ion Ratio Lower Upper  
 188 100  
 94 10.0 8.5 12.7  
 80 10.6 9.2 13.8



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.777 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.25 min  
 Lab File: BF109032.D  
 Acq: 15 Sep 2018 8:40

Tgt Ion:248 Resp: 17277  
 Ion Ratio Lower Upper  
 248 100  
 250 187.9 76.9 115.3#  
 141 517.3 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109032.D

Acq: 15 Sep 2018 8:40

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-U-M

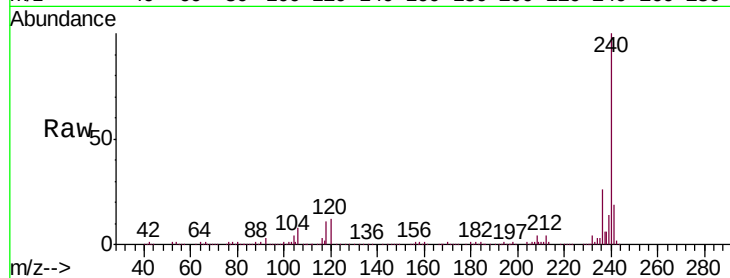
Tgt Ion:240 Resp: 412198

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

236 26.2 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

600000

500000

400000

300000

200000

100000

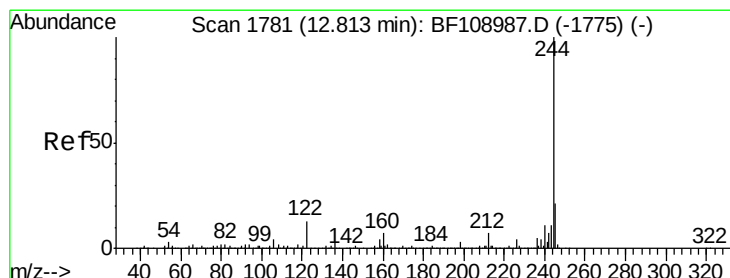
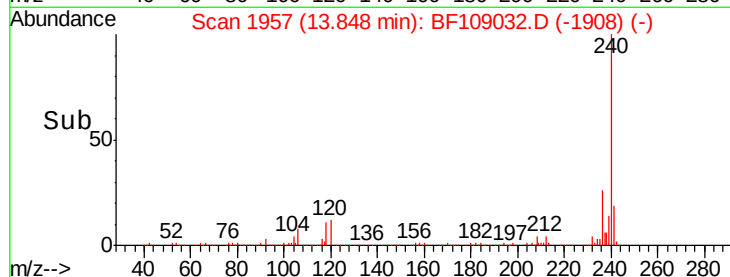
0

13.85

13.80

13.90

Time-->



#78

Terphenyl-d14

Concen: 103.798 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109032.D

Acq: 15 Sep 2018 8:40

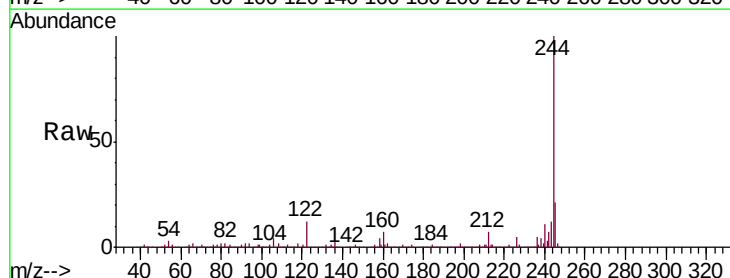
Tgt Ion:244 Resp: 1805089

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

122 11.9 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

2000000

1500000

1000000

500000

0

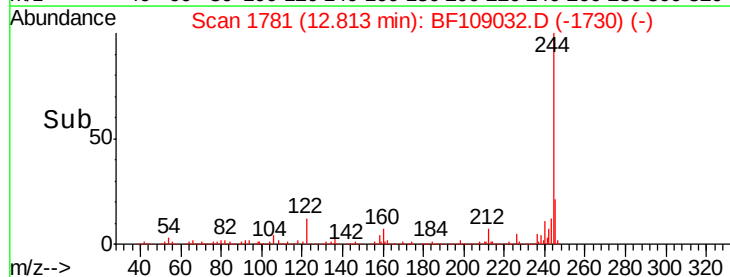
12.81

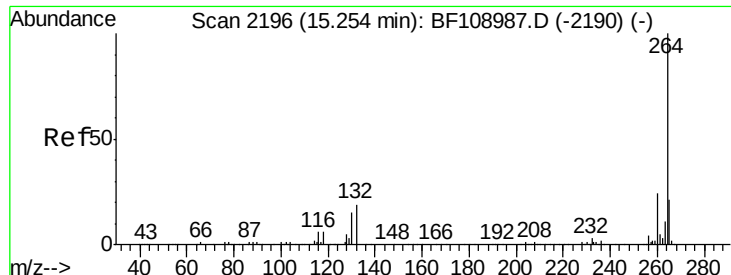
12.70

12.90

13.00

Time-->





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: BF109032.D  
Acq: 15 Sep 2018 8:40

Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-M

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 22.2  | 17.5  | 26.3  |

