

Data File : BF109033.D  
Acq On : 15 Sep 2018 9:07  
Operator : JU/SJ  
Sample : J4901-16  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Sep 17 03:16:27 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  | 167114   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 635673   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 307496   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.22 | 188  | 596917   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.85 | 240  | 404998   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.25 | 264  | 388855   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.32  | 112 | 422219  | 41.96  | ng | 0.00  |
| 7) Phenol-d6                | 6.34  | 99  | 374625  | 28.87  | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.28  | 82  | 1059029 | 93.44  | ng | 0.00  |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330 | 311744  | 93.42  | ng | -0.01 |
| 44) 2-Fluorobiphenyl        | 9.08  | 172 | 1746652 | 88.99  | ng | 0.00  |
| 78) Terphenyl-d14           | 12.81 | 244 | 1909221 | 111.74 | ng | 0.00  |

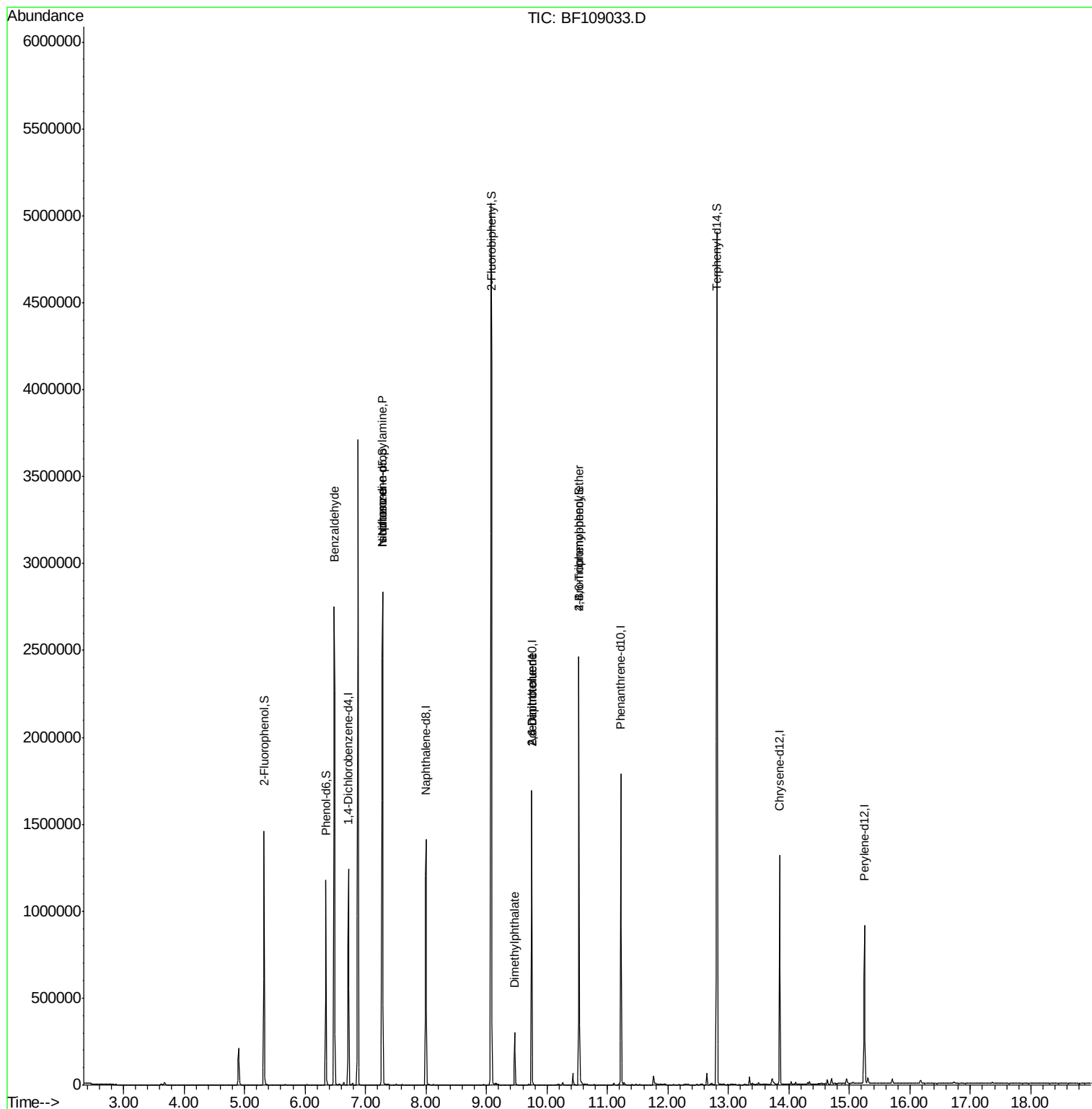
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 9) Benzaldehyde                | 6.48  | 77  | 17709   | 2.137  | ng | # 74 |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70  | 144679  | 16.870 | ng | # 76 |
| 25) Isophorone                 | 7.28  | 82  | 1051917 | 53.995 | ng | # 64 |
| 49) Dimethylphthalate          | 9.47  | 163 | 110967  | 5.049  | ng | 100  |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165 | 38853   | 7.972  | ng | # 26 |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165 | 38853   | 6.095  | ng | # 23 |
| 66) 4-Bromophenyl-phenylether  | 10.53 | 248 | 19026   | 2.827  | ng | # 1  |

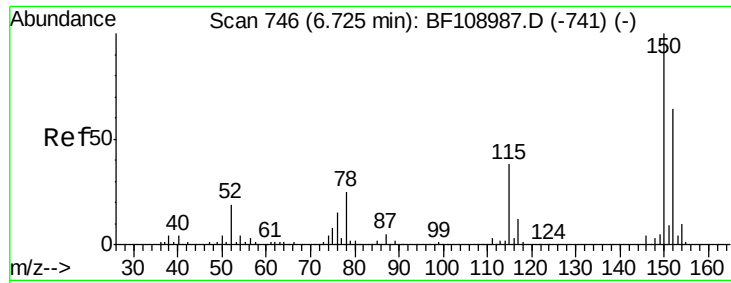
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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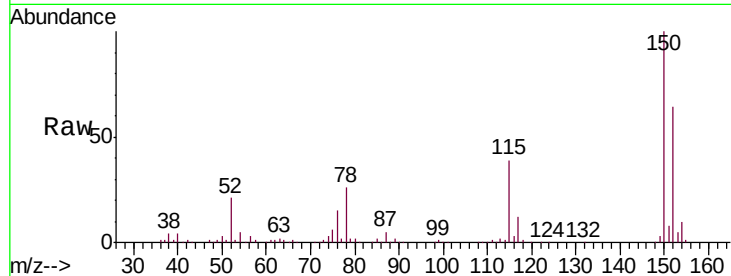




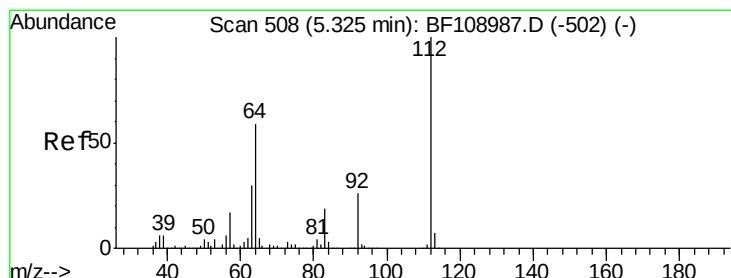
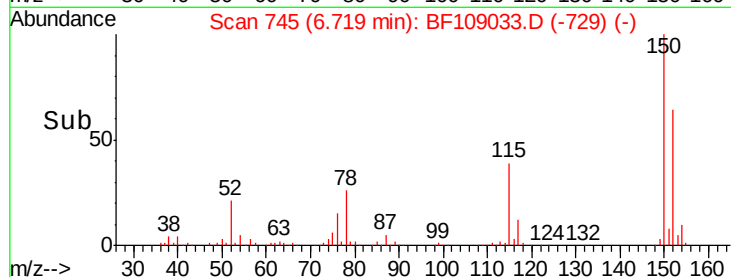
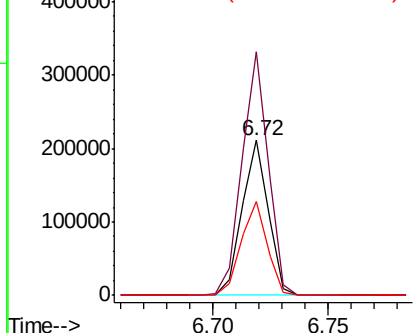
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109033.D  
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Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-S

Tgt Ion:152 Resp: 167114  
 Ion Ratio Lower Upper  
 152 100  
 150 157.2 124.6 186.8  
 115 60.5 50.1 75.1

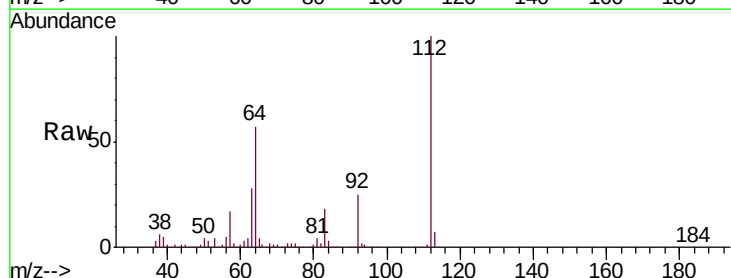


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

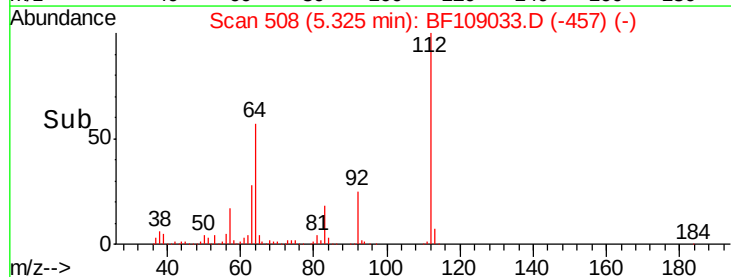
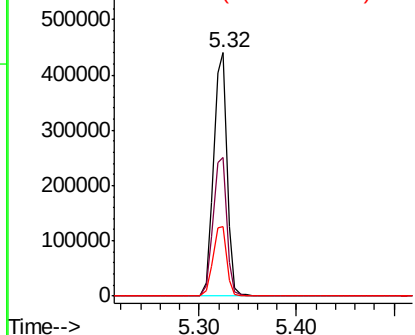


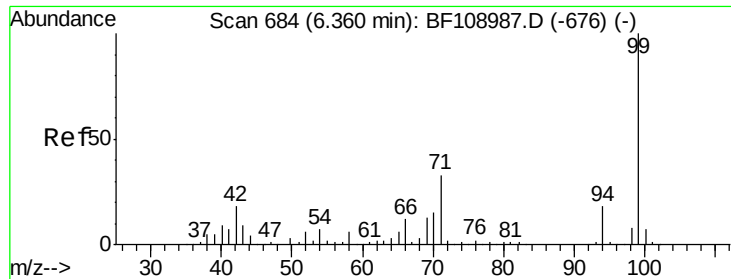
#5  
 2-Fluorophenol  
 Concen: 41.963 ng  
 RT: 5.32 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

Tgt Ion:112 Resp: 422219  
 Ion Ratio Lower Upper  
 112 100  
 64 57.0 47.9 71.9  
 63 28.4 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: 28.875 ng

RT: 6.34 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF109033.D

Acq: 15 Sep 2018 9:07

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-U-S

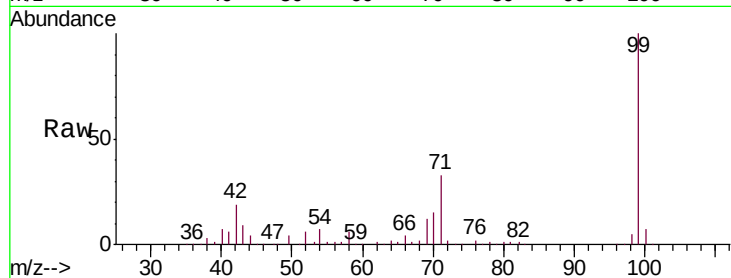
Tgt Ion: 99 Resp: 374625

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

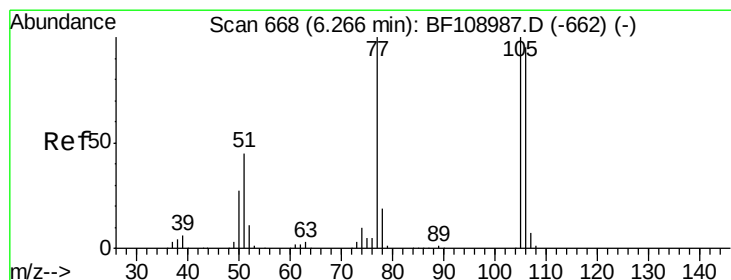
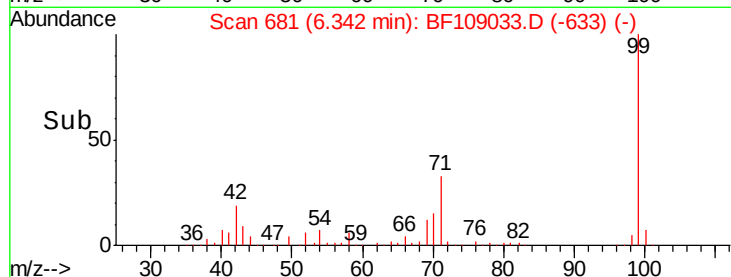
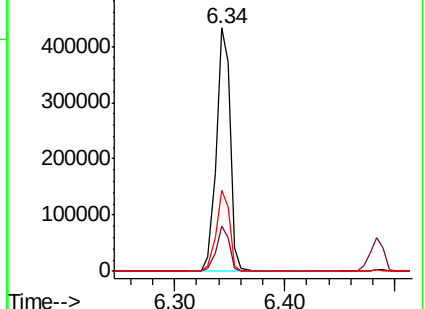
71 33.2 25.4 38.0



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: 2.137 ng

RT: 6.48 min Scan# 705

Delta R.T. 0.22 min

Lab File: BF109033.D

Acq: 15 Sep 2018 9:07

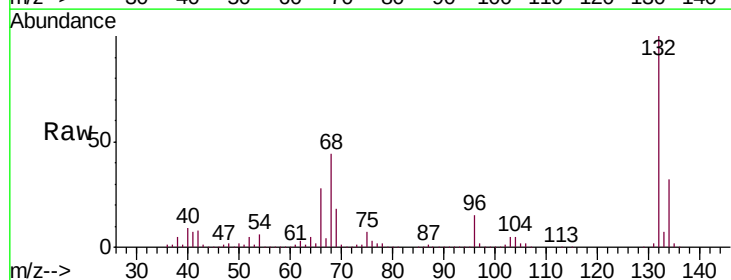
Tgt Ion: 77 Resp: 17709

Ion Ratio Lower Upper

77 100

105 76.4 81.1 121.1#

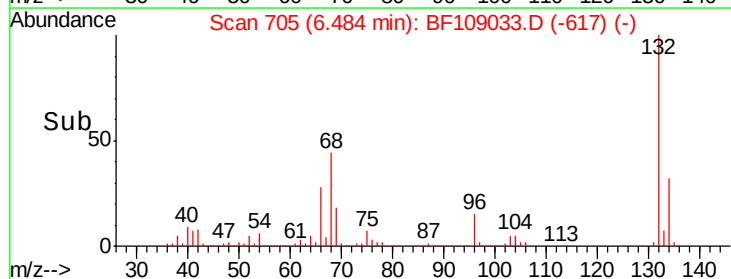
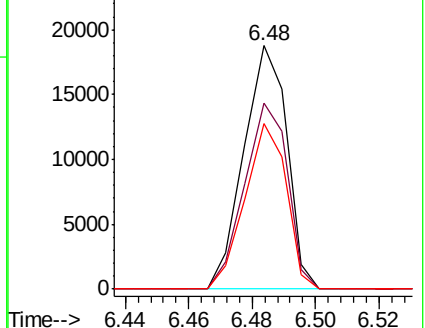
106 68.1 74.5 114.5#

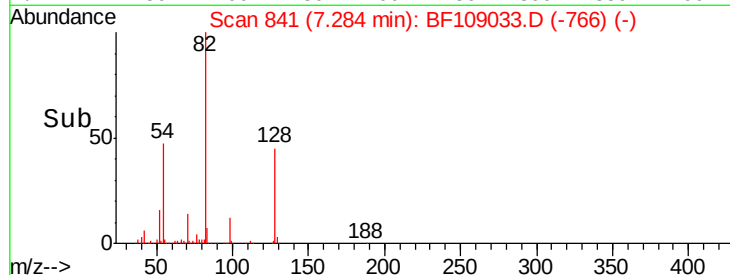
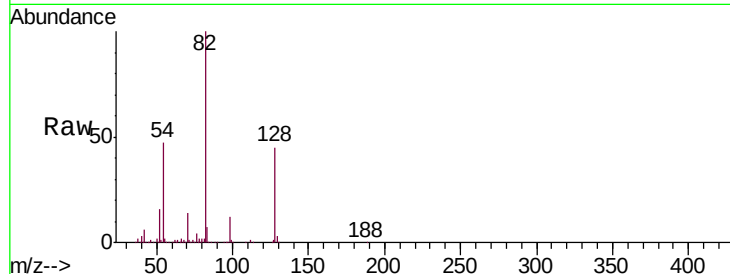
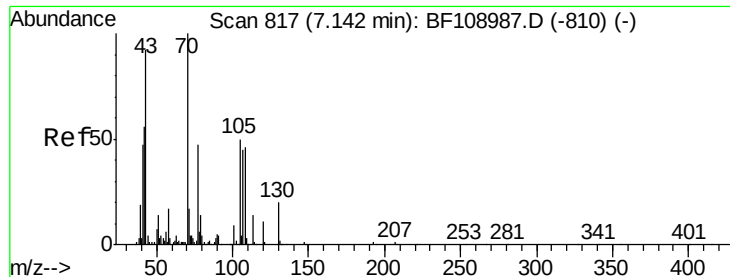


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

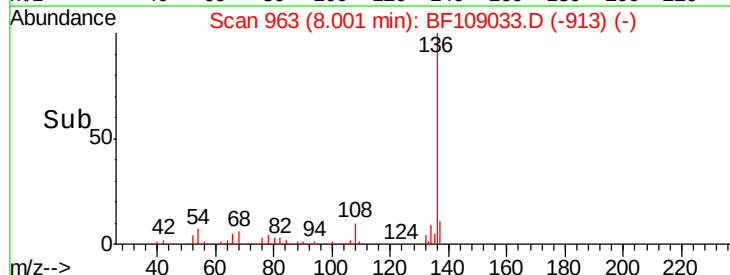
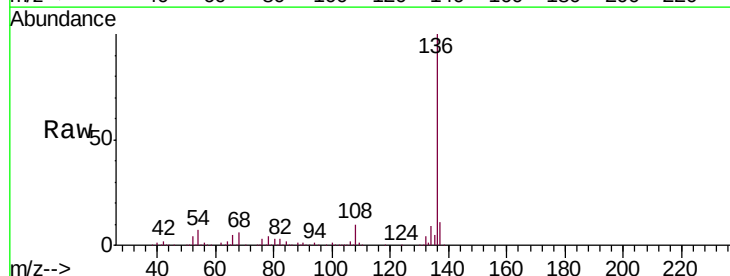
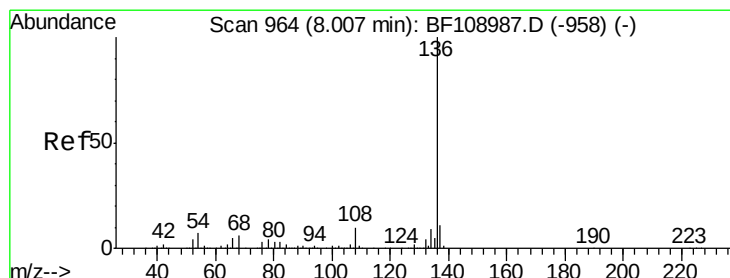
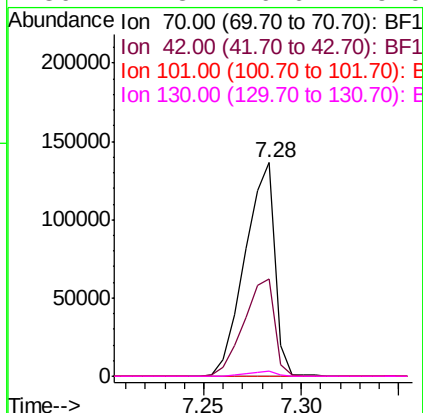




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.870 ng  
RT: 7.28 min Scan# 841  
Delta R.T. 0.14 min  
Lab File: BF109033.D  
Acq: 15 Sep 2018 9:07

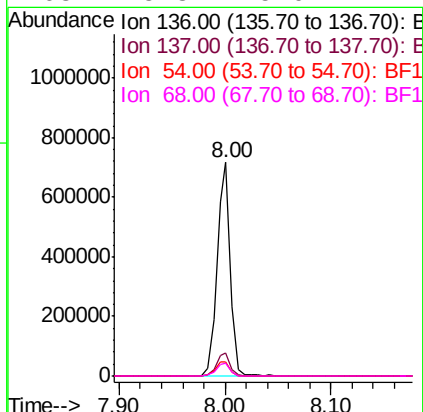
Instrument :  
BNA\_F  
ClientSampleId :  
091218-SIDI-F-U-S

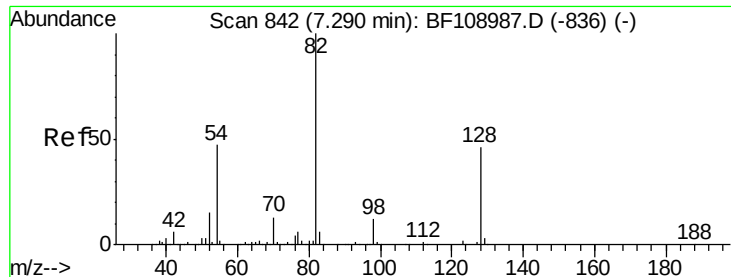
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 144679 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 45.6  | 47.5  | 71.3#  |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 2.3   | 16.6  | 25.0#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.01 min  
Lab File: BF109033.D  
Acq: 15 Sep 2018 9:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 635673 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 6.7   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |

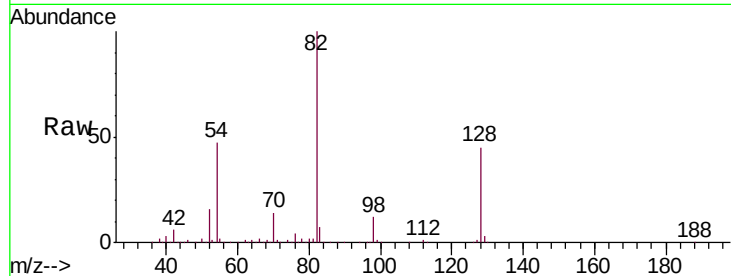




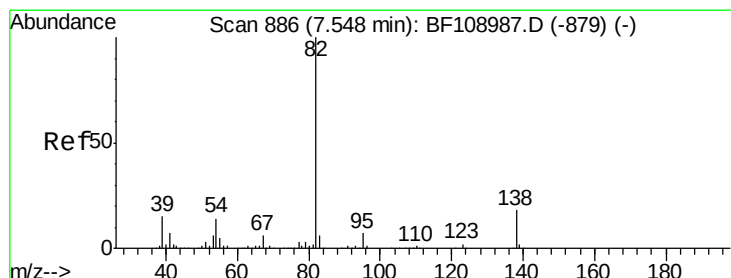
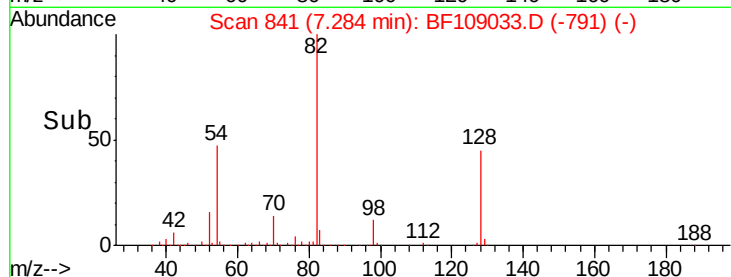
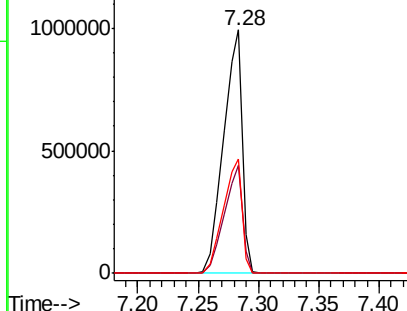
#23  
 Nitrobenzene-d5  
 Concen: 93.443 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.01 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

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

Tgt Ion: 82 Resp: 1059029  
 Ion Ratio Lower Upper  
 82 100  
 128 44.5 36.1 54.1  
 54 47.2 41.4 62.2

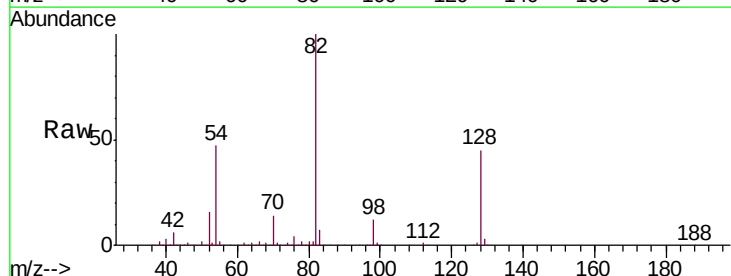


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

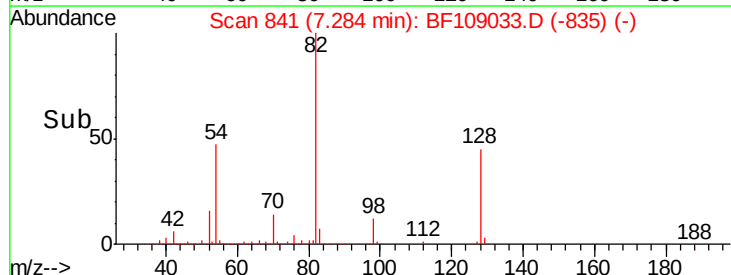
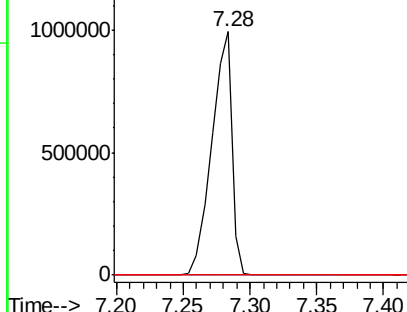


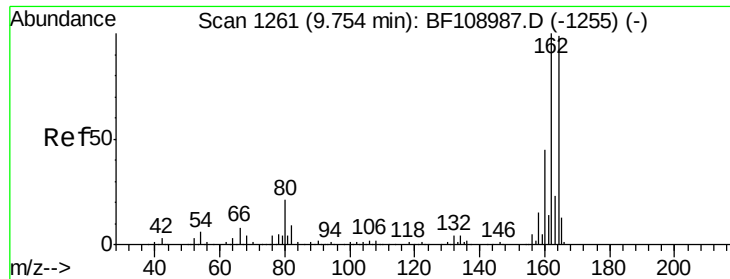
#25  
 Isophorone  
 Concen: 53.995 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.26 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

Tgt Ion: 82 Resp: 1051917  
 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

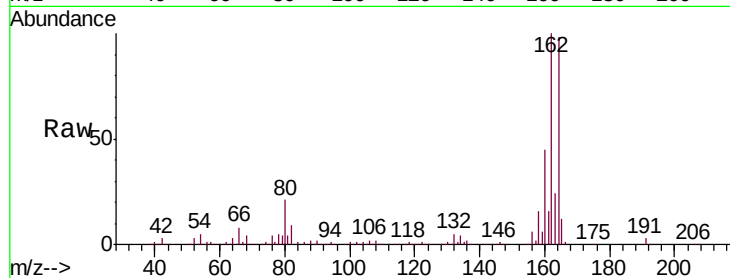




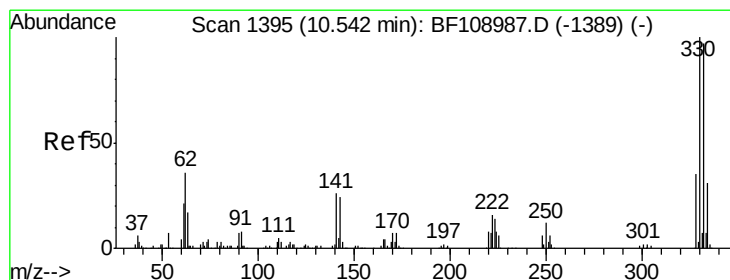
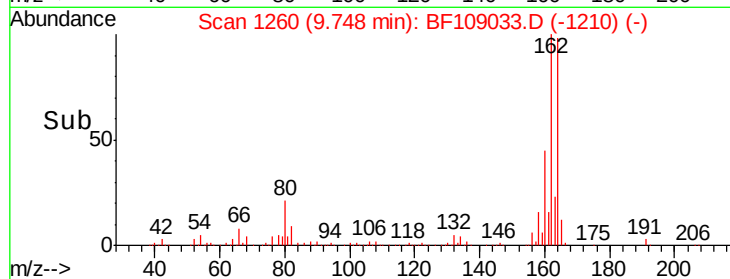
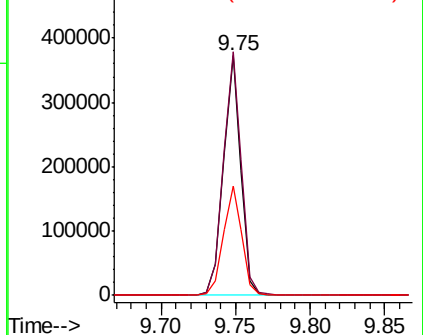
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.01 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

Instrument :  
 BNA\_F  
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 091218-SIDI-F-U-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 86.1  | 129.1 |
| 160     | 45.8  | 38.3  | 57.5  |

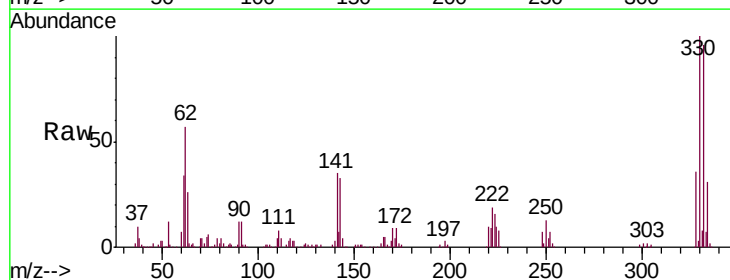


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

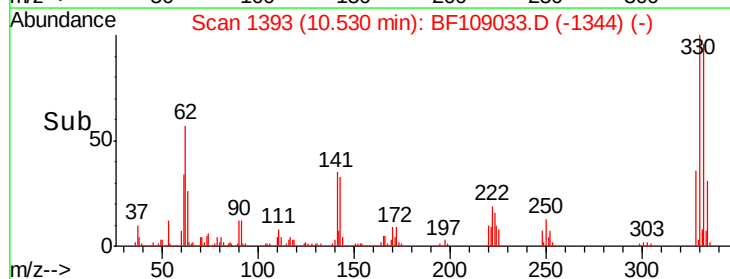
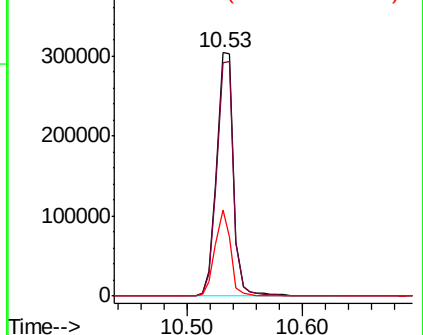


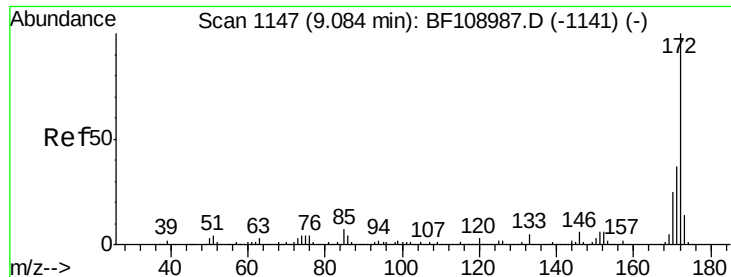
#41  
 2,4,6-Tribromophenol  
 Concen: 93.416 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 32.6  | 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

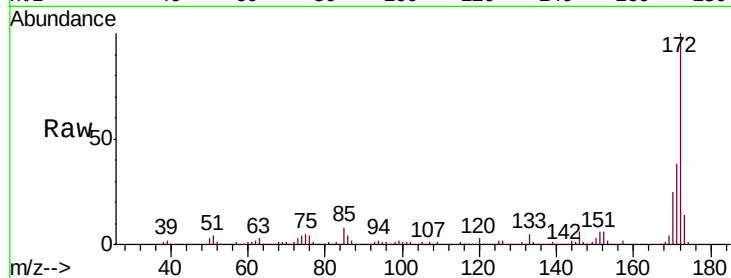




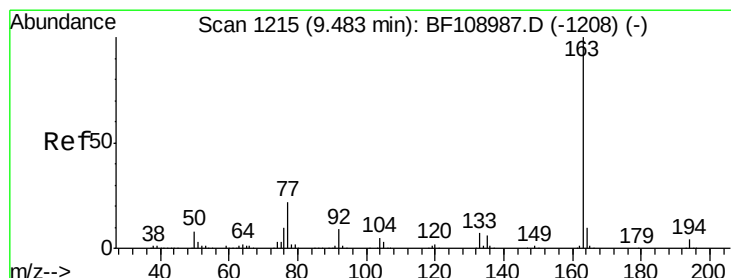
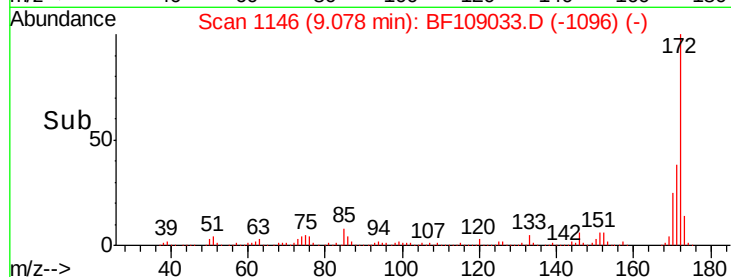
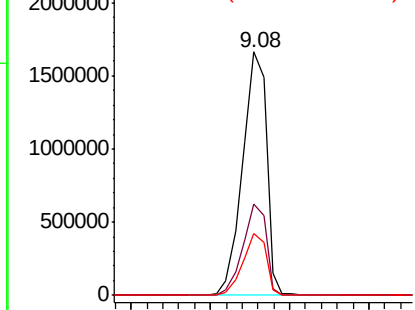
#44  
2-Fluorobiphenyl  
Concen: 88.994 ng  
RT: 9.08 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF109033.D  
Acq: 15 Sep 2018 9:07

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

Tgt Ion:172 Resp: 1746652  
Ion Ratio Lower Upper  
172 100  
171 37.5 29.7 44.5  
170 25.4 19.6 29.4

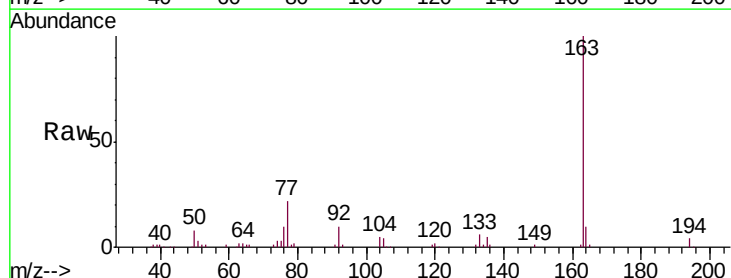


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

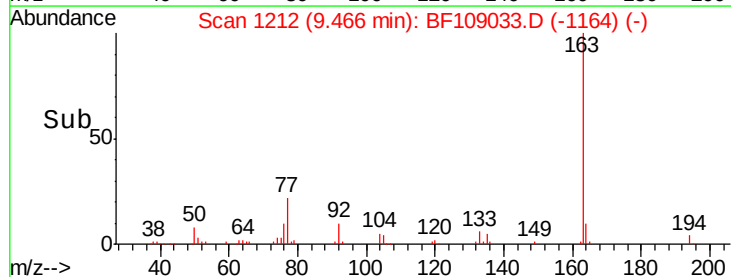
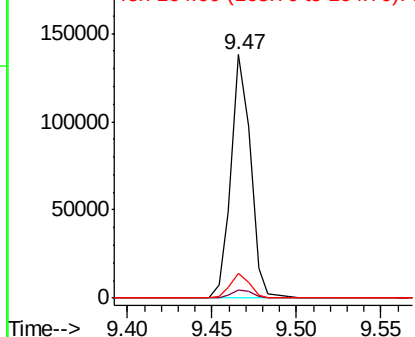


#49  
Dimethylphthalate  
Concen: 5.049 ng  
RT: 9.47 min Scan# 1212  
Delta R.T. -0.02 min  
Lab File: BF109033.D  
Acq: 15 Sep 2018 9:07

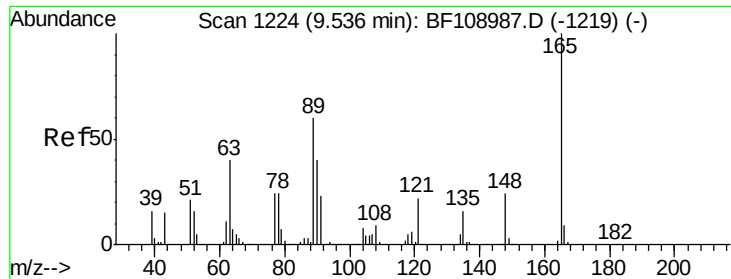
Tgt Ion:163 Resp: 110967  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 10.3 8.2 12.2



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



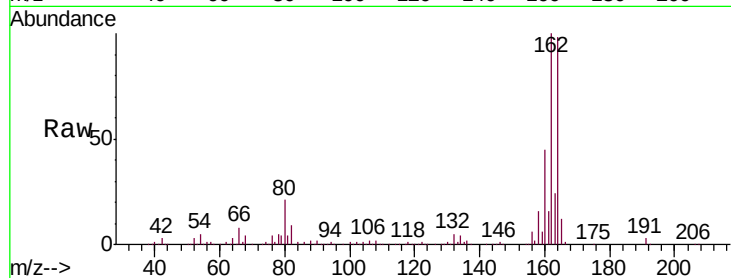




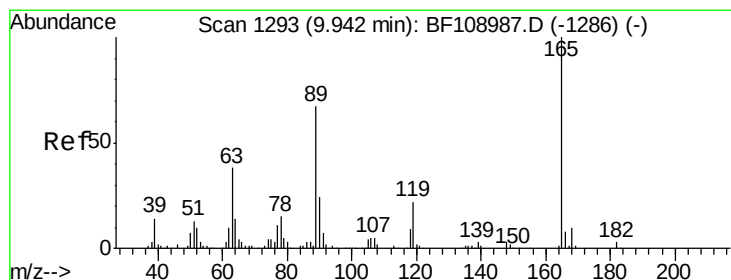
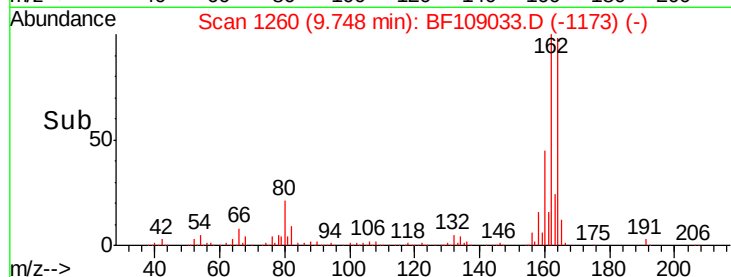
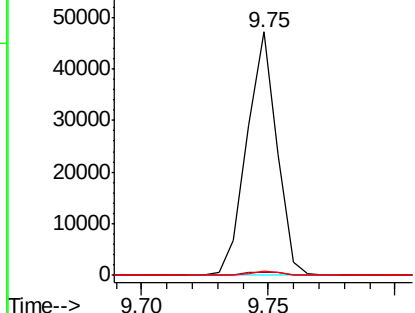
#50  
 2,6-Dinitrotoluene  
 Concen: 7.972 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. 0.21 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 44.7  | 67.1# |
| 89      | 1.5   | 44.0  | 66.0# |

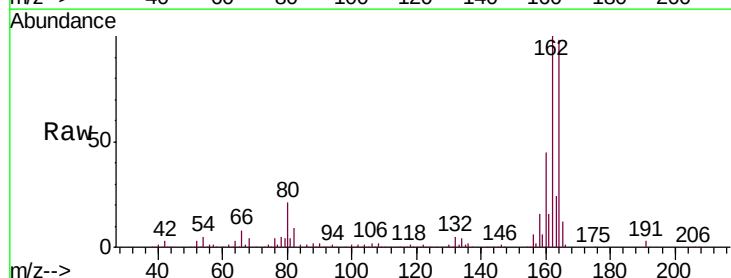


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

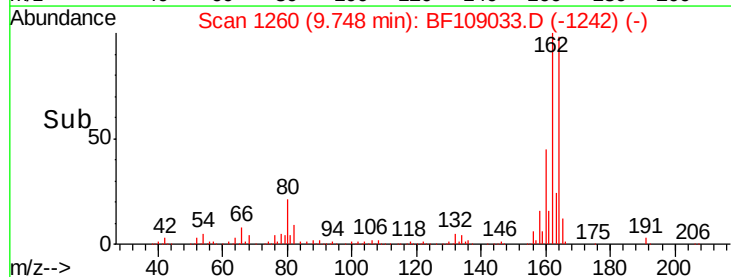
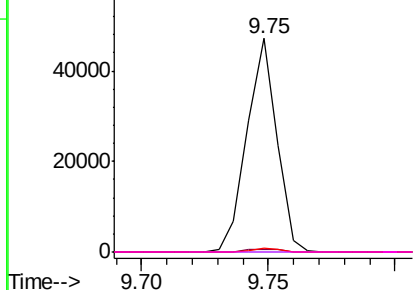


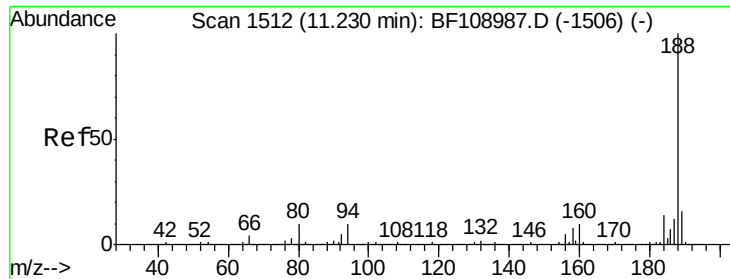
#56  
 2,4-Dinitrotoluene  
 Concen: 6.095 ng  
 RT: 9.75 min Scan# 1260  
 Delta R.T. -0.19 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 36.4  | 54.6# |
| 89      | 1.5   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



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

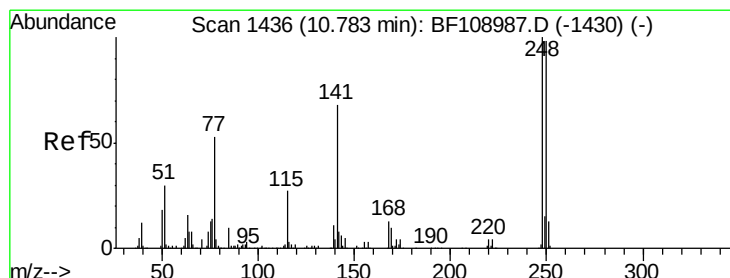
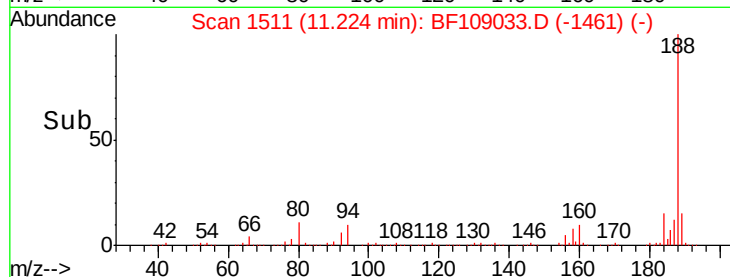
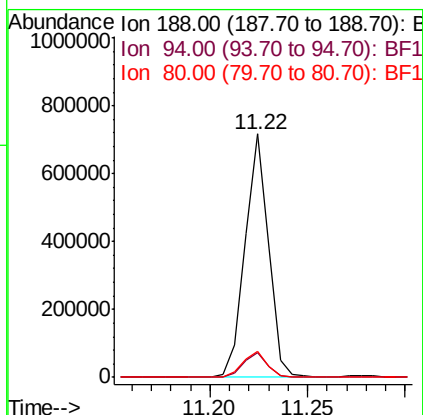
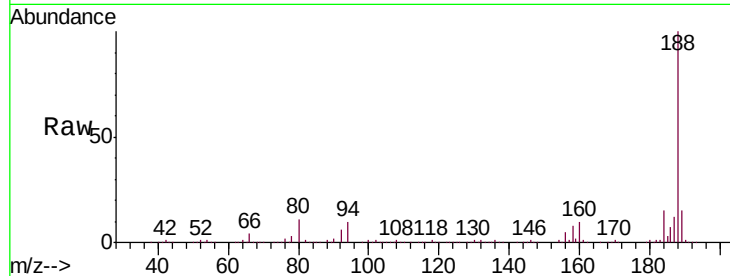




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

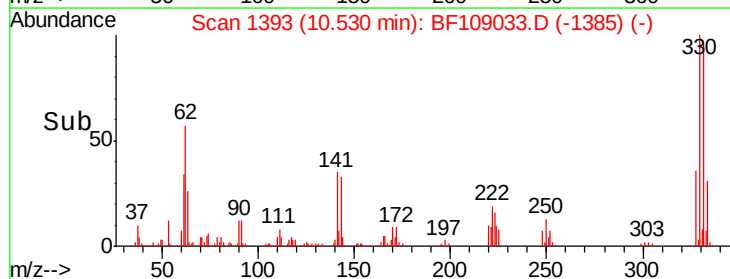
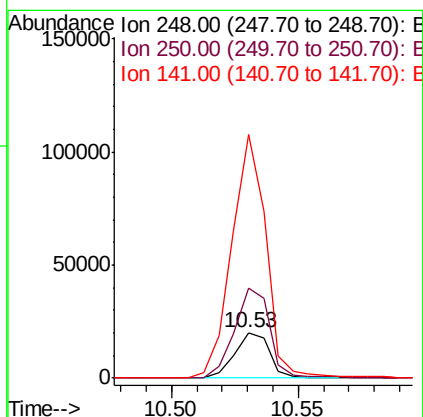
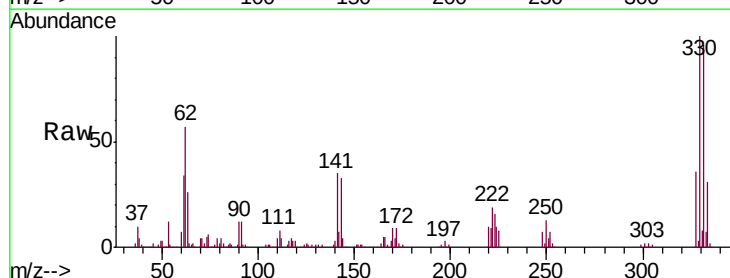
Instrument :  
 BNA\_F  
 ClientSampleId :  
 091218-SIDI-F-U-S

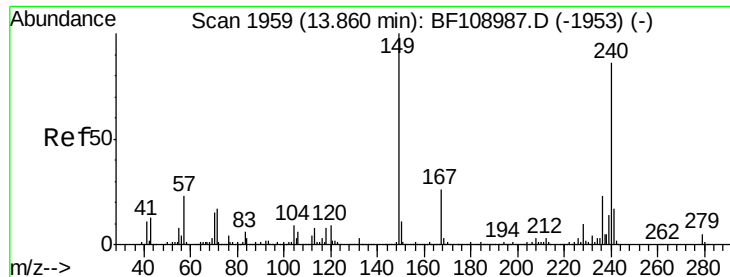
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 596917 |       |       |
| 94      | 10.2  |        | 8.5   | 12.7  |
| 80      | 10.7  |        | 9.2   | 13.8  |



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.827 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.25 min  
 Lab File: BF109033.D  
 Acq: 15 Sep 2018 9:07

| Tgt Ion | Ratio | Resp  | Lower | Upper  |
|---------|-------|-------|-------|--------|
| 248     | 100   | 19026 |       |        |
| 250     | 198.9 |       | 76.9  | 115.3# |
| 141     | 537.4 |       | 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: BF109033.D

Acq: 15 Sep 2018 9:07

Instrument :

BNA\_F

ClientSampleId :

091218-SIDI-F-U-S

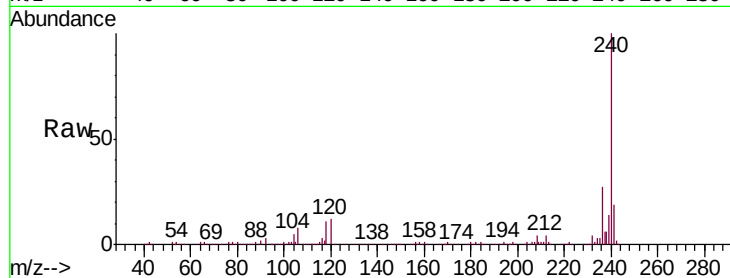
Tgt Ion:240 Resp: 404998

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

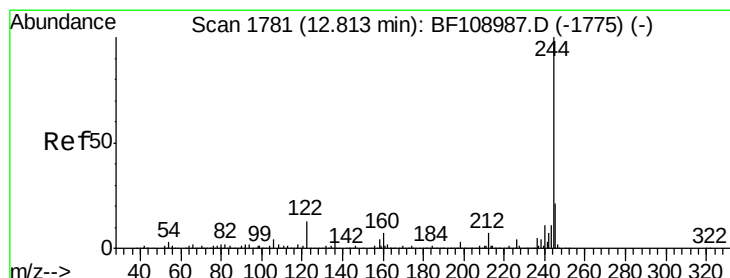
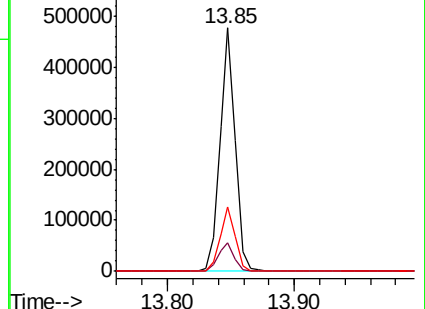
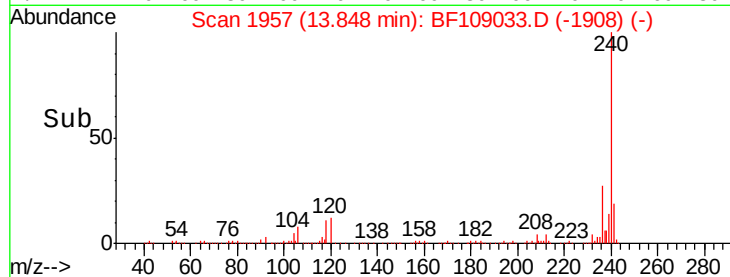
236 26.5 20.7 31.1



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: 111.738 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109033.D

Acq: 15 Sep 2018 9:07

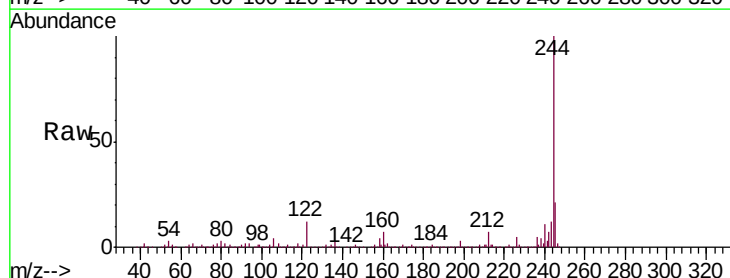
Tgt Ion:244 Resp: 1909221

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

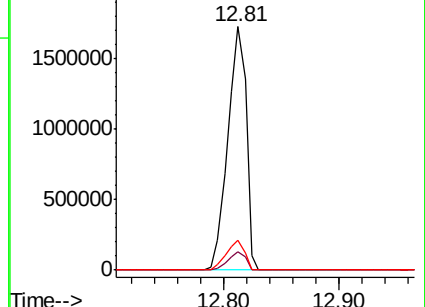
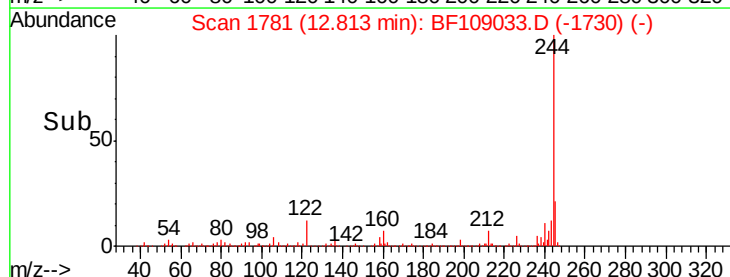
122 12.1 11.0 16.4

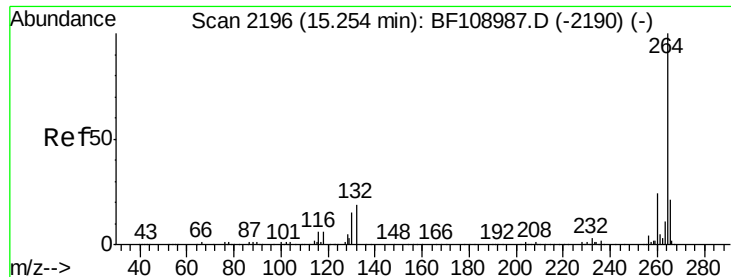


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

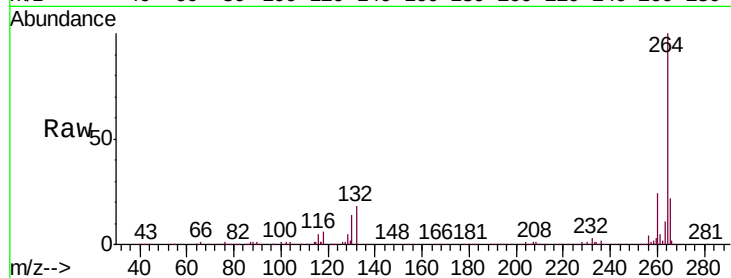




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2195  
Delta R.T. -0.01 min  
Lab File: BF109033.D  
Acq: 15 Sep 2018 9:07

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

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 21.5  | 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

