

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF083018\  
 Data File : BF108663.D  
 Acq On : 31 Aug 2018 1:43  
 Operator : JU/SJ  
 Sample : J4700-03  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-U-B

Quant Time: Aug 31 04:34:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF083018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 30 15:06:55 2018  
 Response via : Initial Calibration

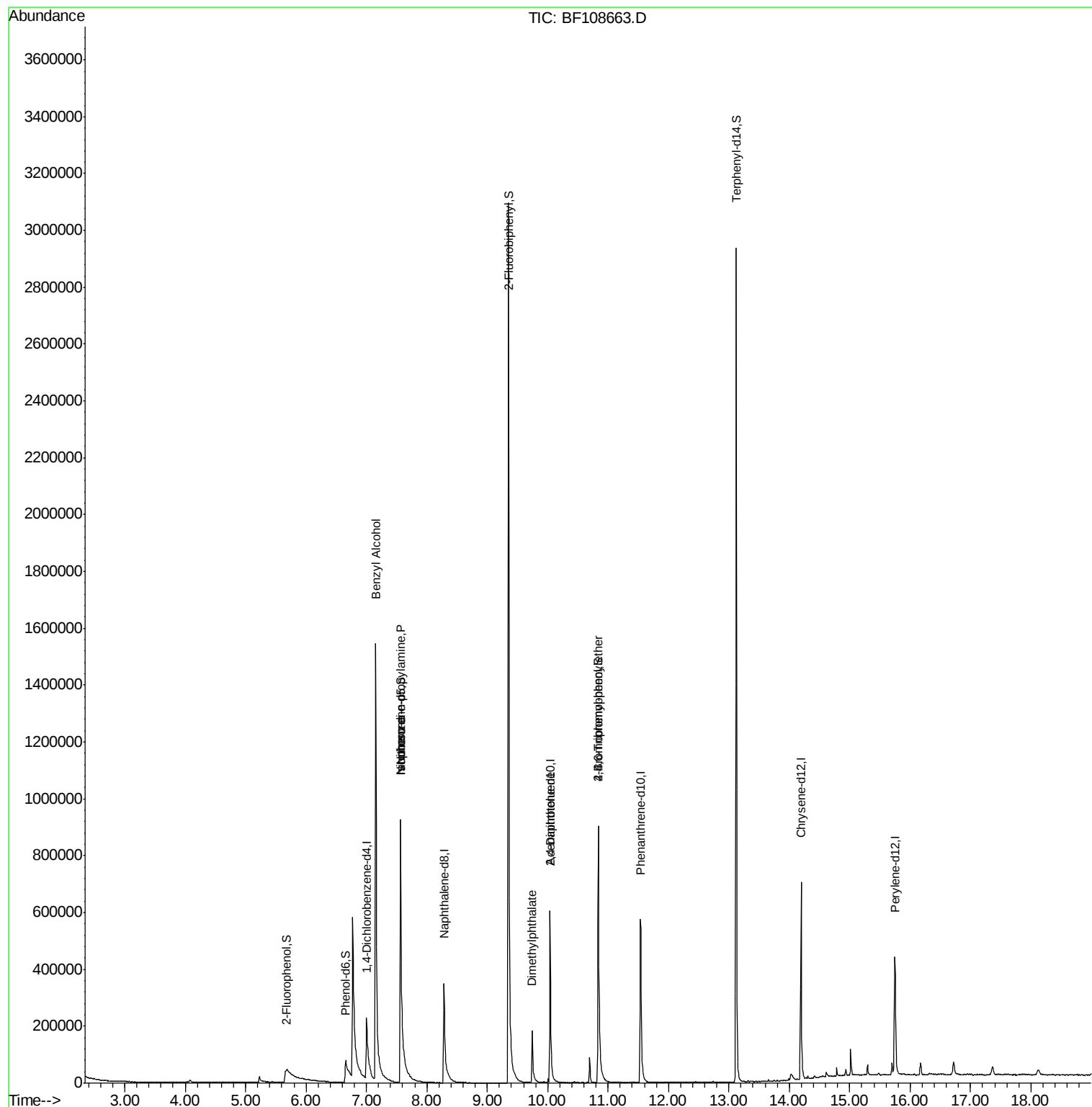
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 80919    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 345520   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.04 | 164  | 175173   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.54 | 188  | 345373   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.19 | 240  | 322205   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.75 | 264  | 267471   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.68  | 112  | 81666    | 17.53  | ng    | 0.03     |
| 7) Phenol-d6                   | 6.66  | 99   | 133695   | 20.04  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 621376   | 91.28  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 177114   | 76.59  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 1252064  | 96.10  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.12 | 244  | 1228334  | 74.07  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.15  | 79   | 9840     | 2.050  | ng    | # 47     |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 74604    | 16.699 | ng    | # 84     |
| 25) Isophorone                 | 7.57  | 82   | 621376   | 54.951 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.74  | 163  | 130678   | 9.473  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 21469    | 5.333  | ng    | # 23     |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 11409    | 2.688  | ng    | # 1      |

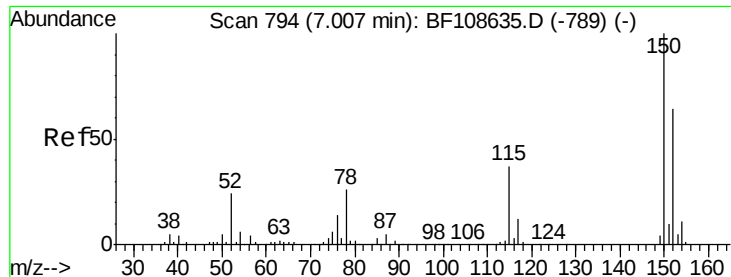
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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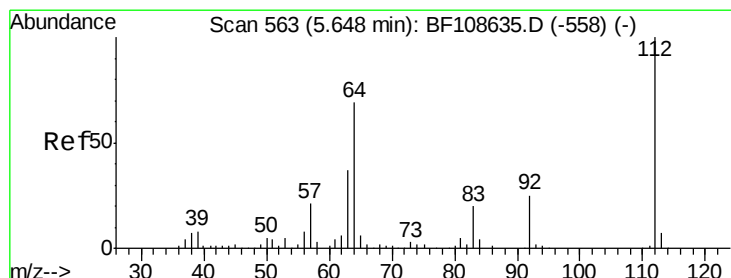
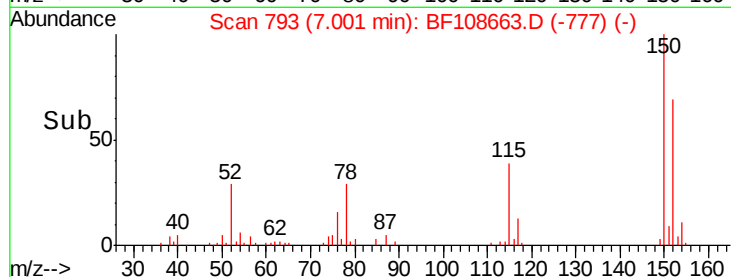
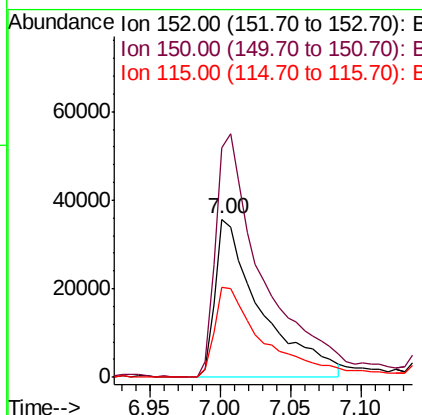
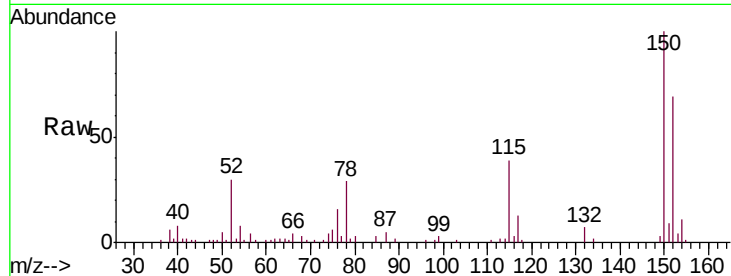




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.00 min Scan# 793  
 Delta R.T. -0.01 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

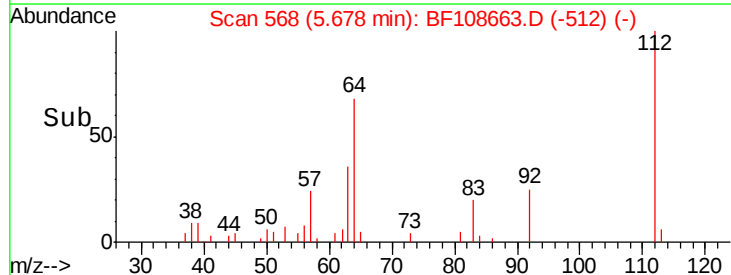
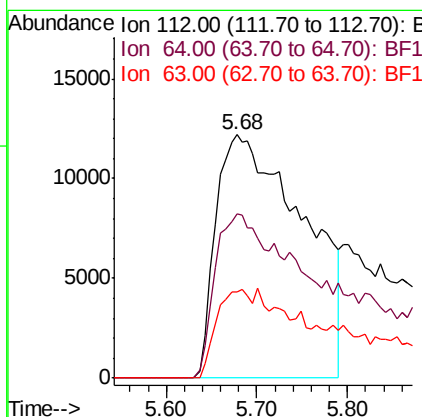
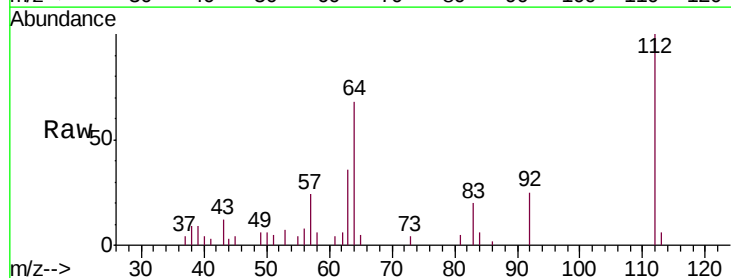
Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-U-B

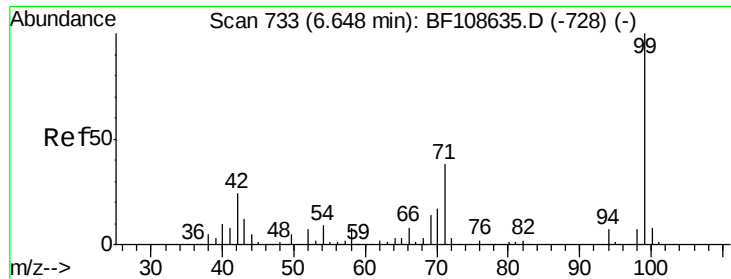
Tgt Ion:152 Resp: 80919  
 Ion Ratio Lower Upper  
 152 100  
 150 145.7 124.6 186.8  
 115 57.2 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 17.532 ng  
 RT: 5.68 min Scan# 568  
 Delta R.T. 0.03 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

Tgt Ion:112 Resp: 81666  
 Ion Ratio Lower Upper  
 112 100  
 64 67.6 47.9 71.9  
 63 35.6 23.7 35.5#





#7

Phenol-d6

Concen: 20.040 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108663.D

Acq: 31 Aug 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

082818-SIDI-F-U-B

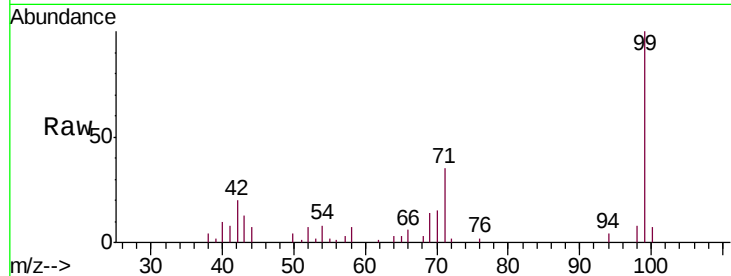
Tgt Ion: 99 Resp: 133695

Ion Ratio Lower Upper

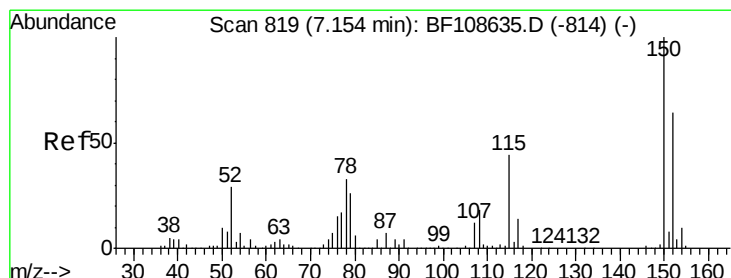
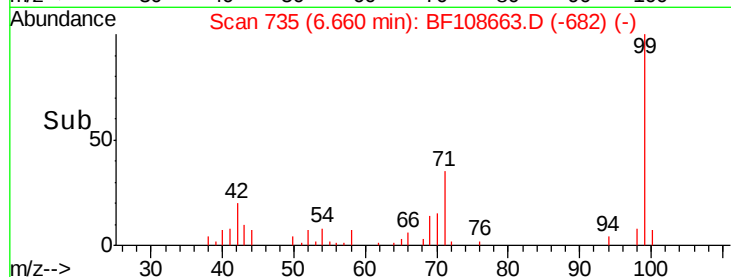
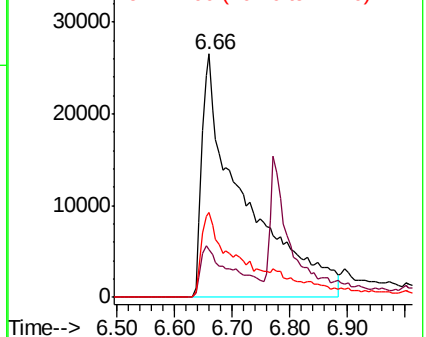
99 100

42 19.8 14.5 21.7

71 34.8 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



#15

Benzyl Alcohol

Concen: 2.050 ng

RT: 7.15 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF108663.D

Acq: 31 Aug 2018 1:43

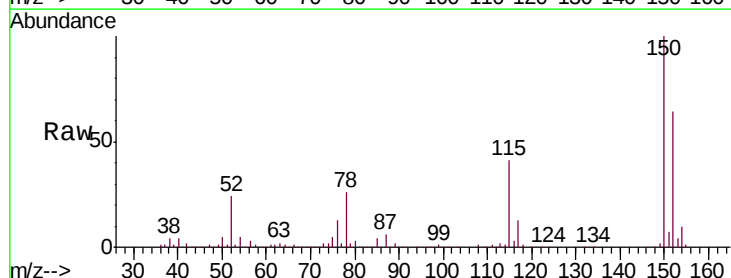
Tgt Ion: 79 Resp: 9840

Ion Ratio Lower Upper

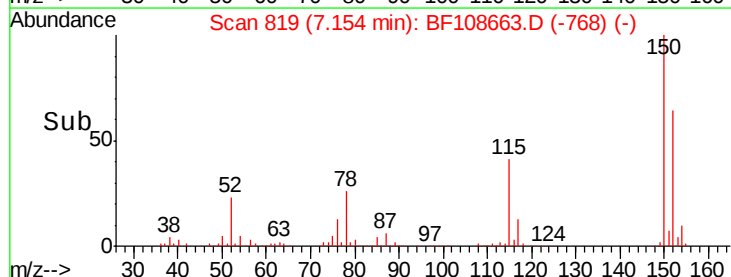
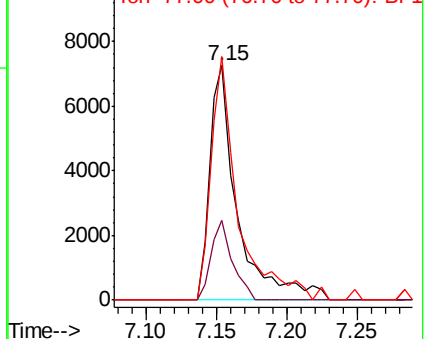
79 100

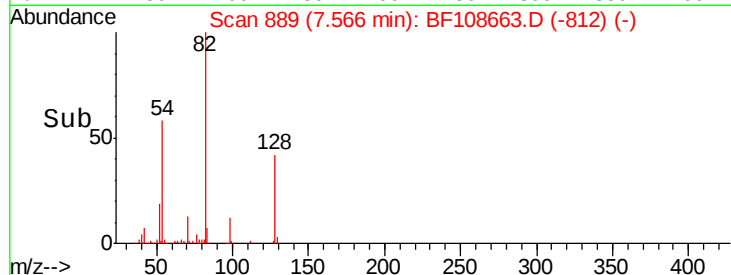
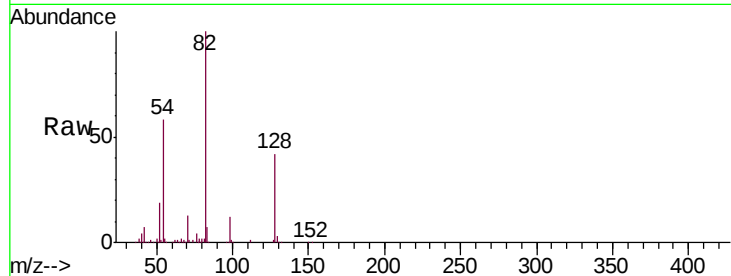
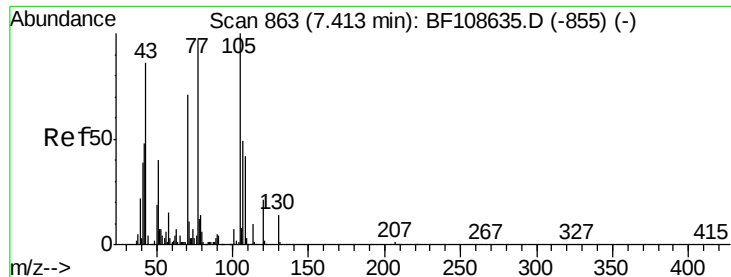
108 34.0 65.1 97.7#

77 103.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

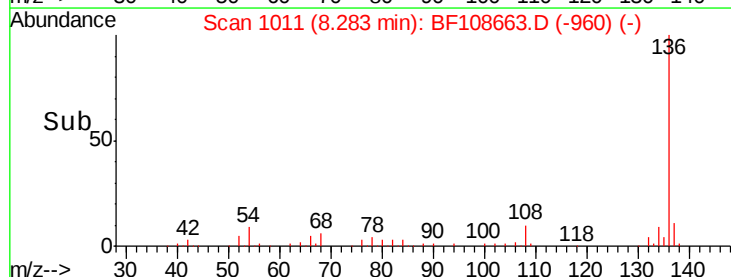
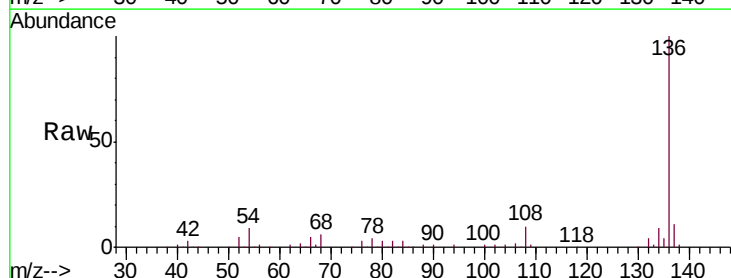
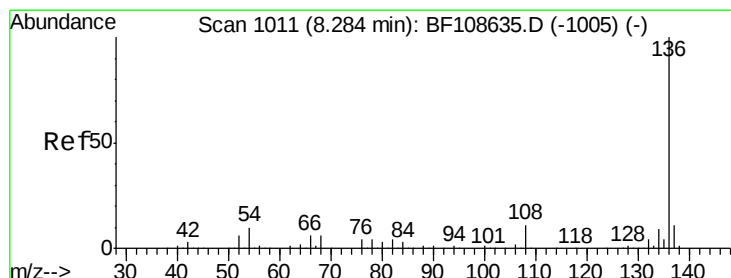
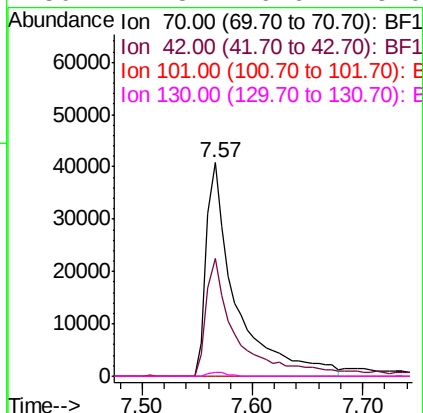




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.699 ng  
RT: 7.57 min Scan# 889  
Delta R.T. 0.15 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

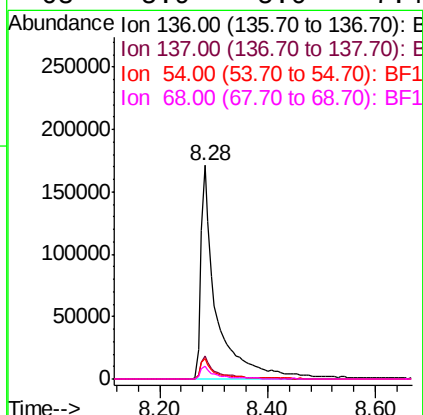
Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-U-B

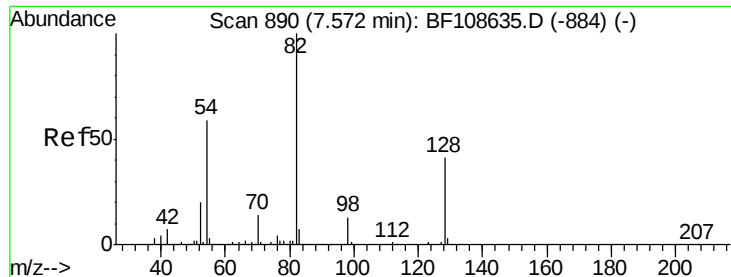
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 74604 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 55.2  | 47.5  | 71.3  |
| 101      | 0.0   | 7.4   | 11.2# |
| 130      | 1.8   | 16.6  | 25.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.28 min Scan# 1011  
Delta R.T. -0.00 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 345520 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 9.3   | 6.6   | 9.8    |
| 68       | 5.9   | 5.0   | 7.4    |

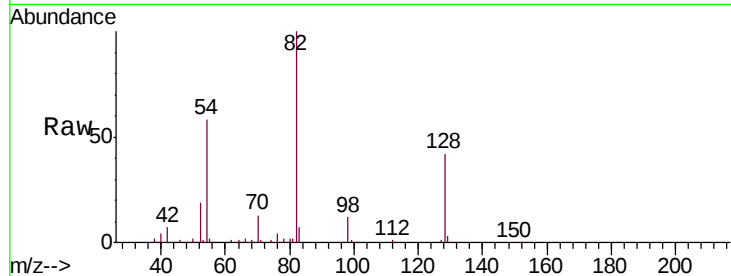




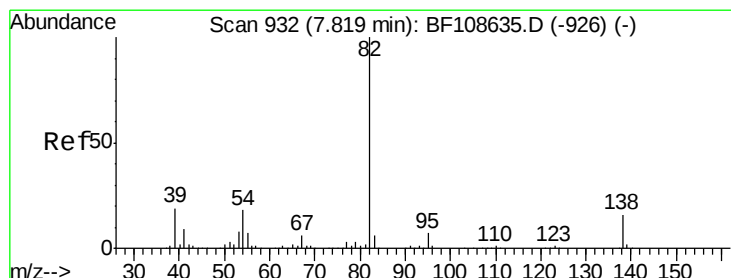
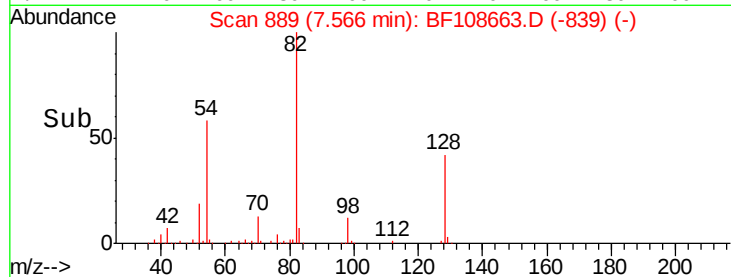
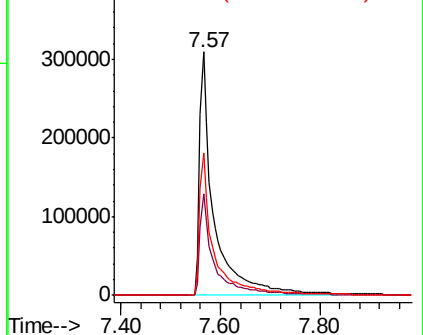
#23  
 Nitrobenzene-d5  
 Concen: 91.283 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.9  | 36.1  | 54.1  |
| 54      | 58.3  | 41.4  | 62.2  |

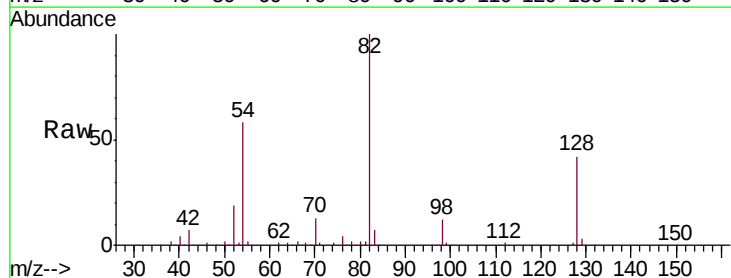


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

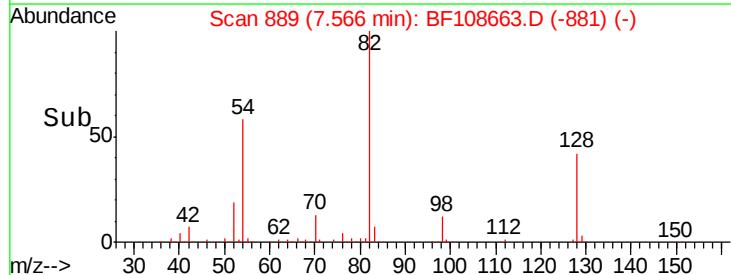
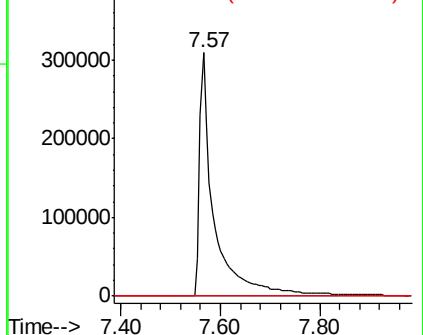


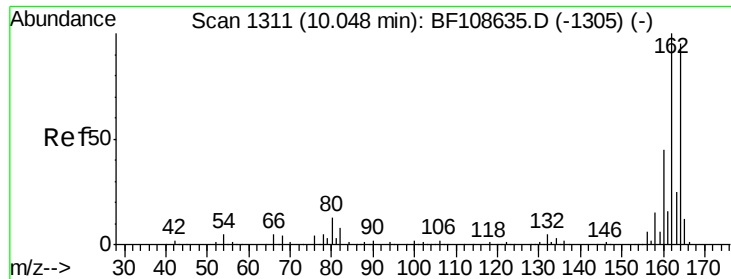
#25  
 Isophorone  
 Concen: 54.951 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.25 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

| Tgt 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

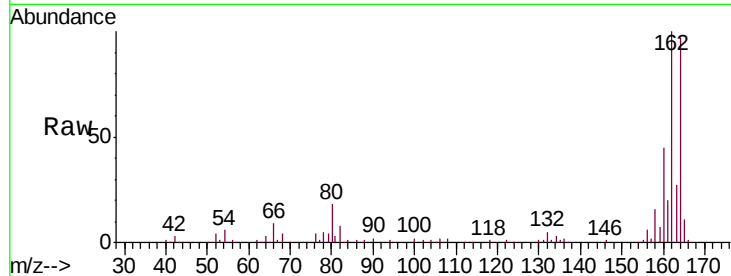




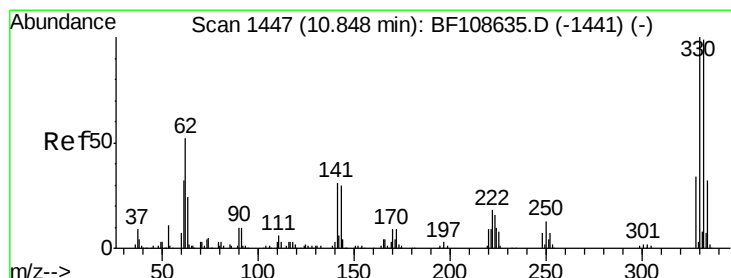
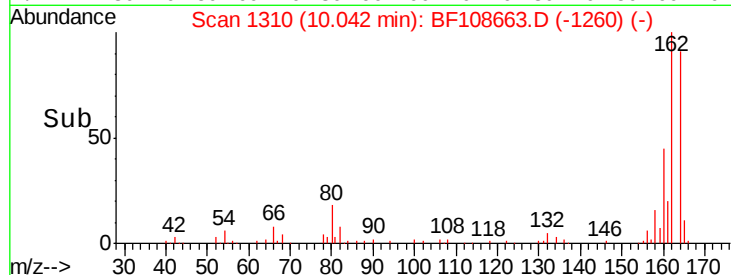
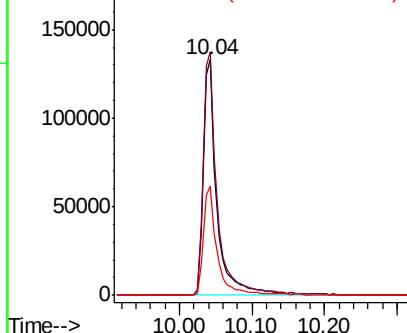
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.01 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-U-B

Tgt Ion:164 Resp: 175173  
Ion Ratio Lower Upper  
164 100  
162 103.2 86.1 129.1  
160 46.3 38.3 57.5

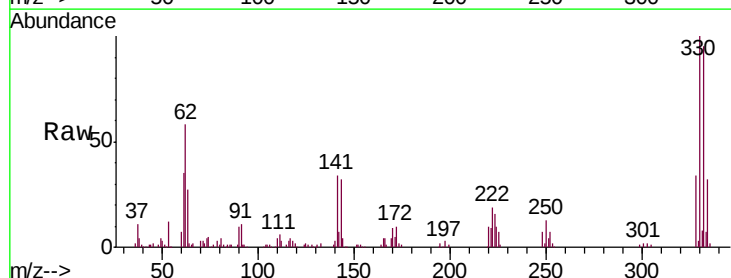


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

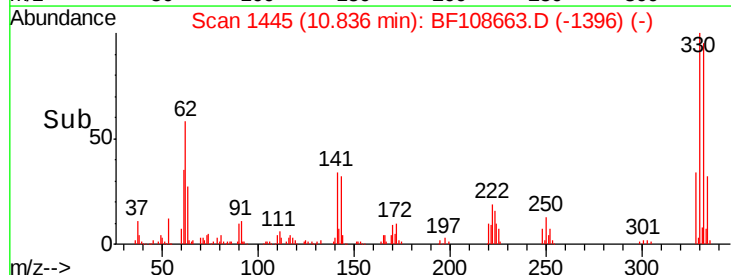
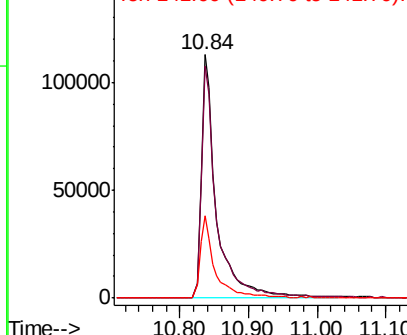


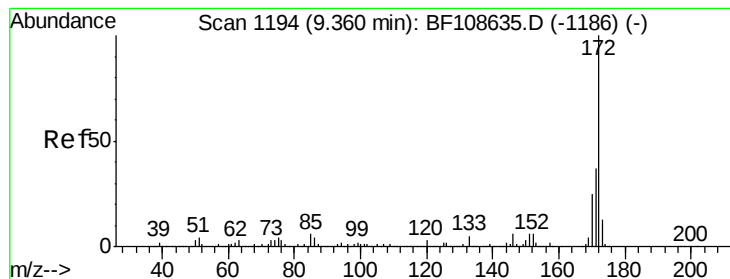
#41  
2,4,6-Tribromophenol  
Concen: 76.590 ng  
RT: 10.84 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

Tgt Ion:330 Resp: 177114  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.0 115.6  
141 32.8 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

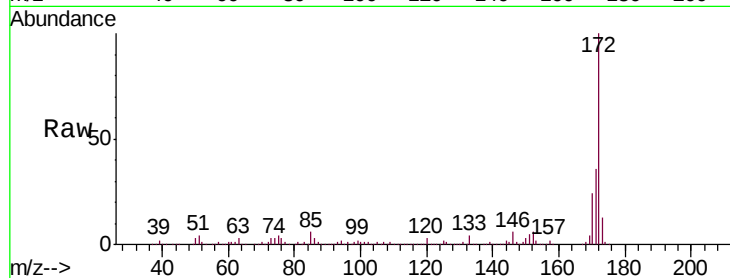




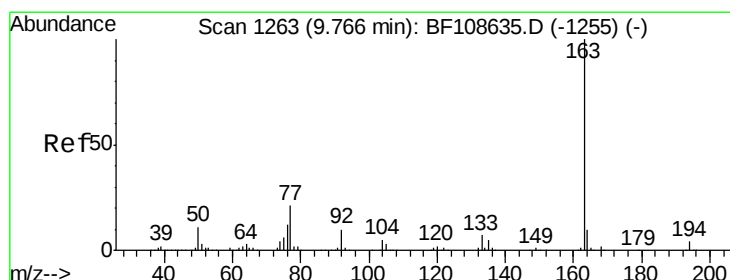
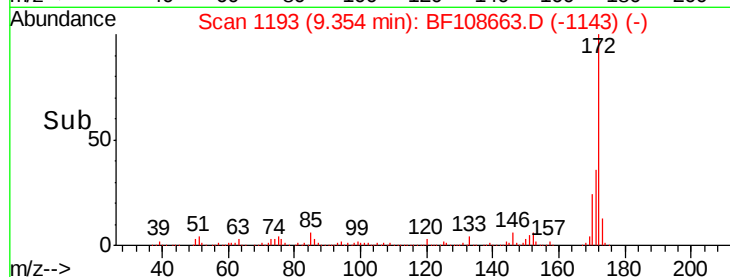
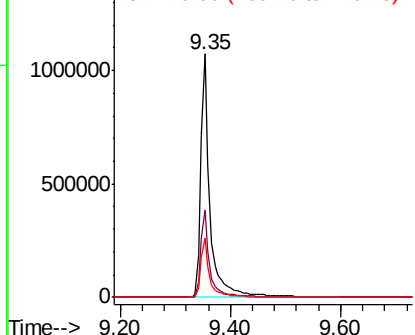
#44  
 2-Fluorobiphenyl  
 Concen: 96.105 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-U-B

Tgt Ion:172 Resp: 1252064  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.3 19.6 29.4

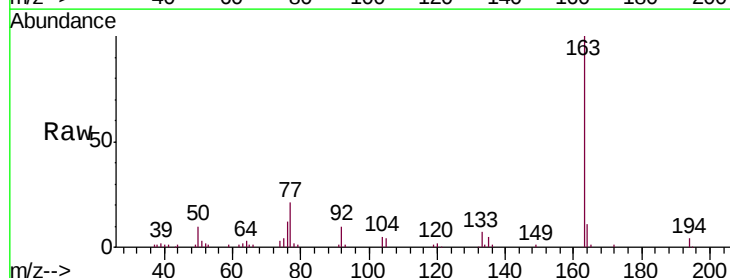


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

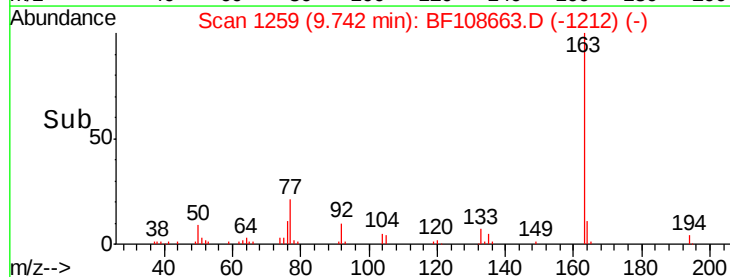
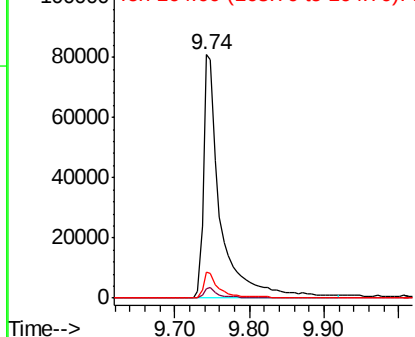


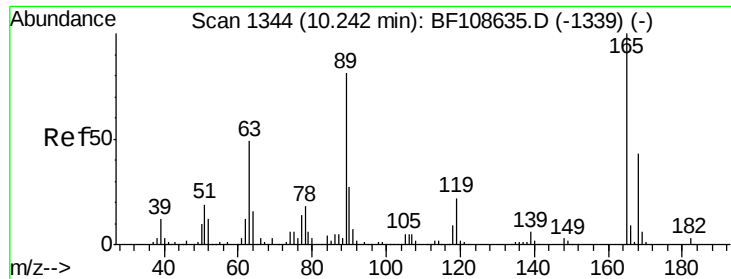
#49  
 Dimethylphthalate  
 Concen: 9.473 ng  
 RT: 9.74 min Scan# 1259  
 Delta R.T. -0.02 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

Tgt Ion:163 Resp: 130678  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 2.7 4.1  
 164 10.9 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

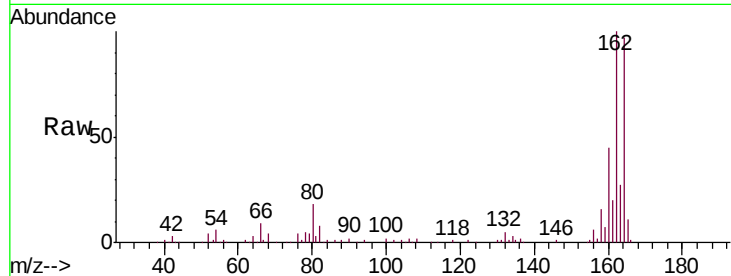




#56  
 2,4-Dinitrotoluene  
 Concen: 5.333 ng  
 RT: 10.04 min Scan# 1310  
 Delta R.T. -0.20 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-U-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 3.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

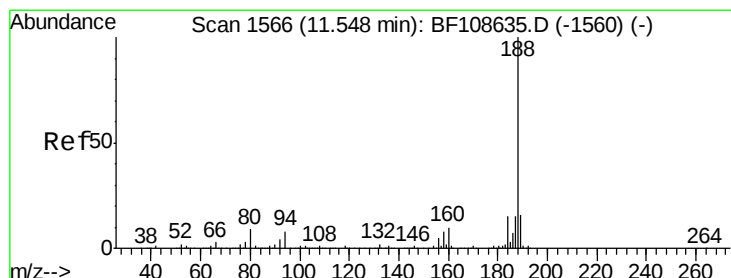
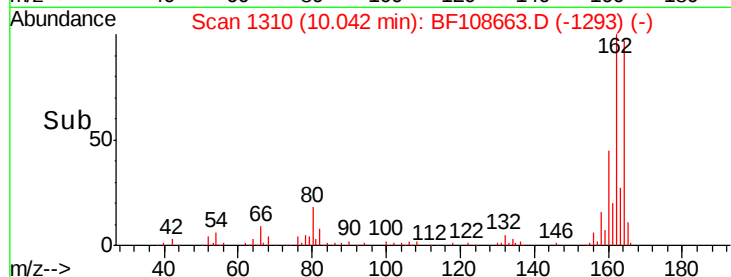
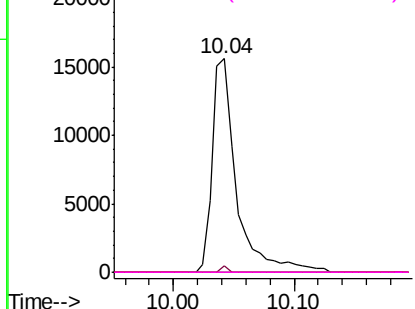


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

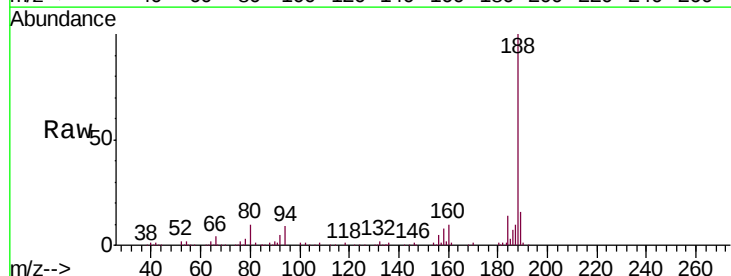
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF108663.D  
 Acq: 31 Aug 2018 1:43

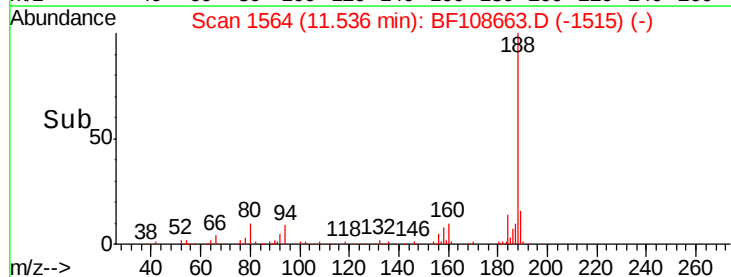
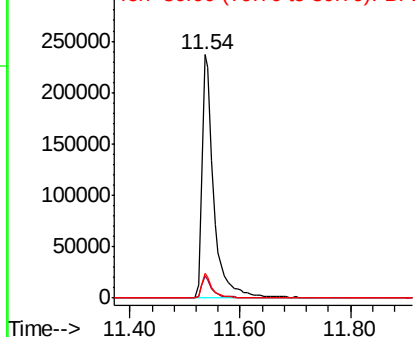
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.9   | 8.5   | 12.7  |
| 80      | 10.1  | 9.2   | 13.8  |

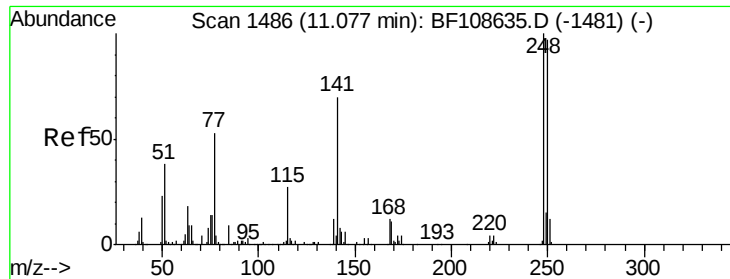


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

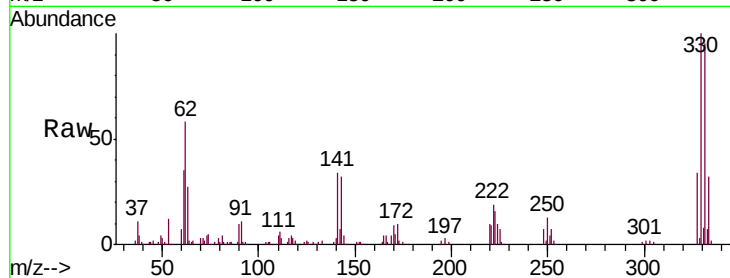




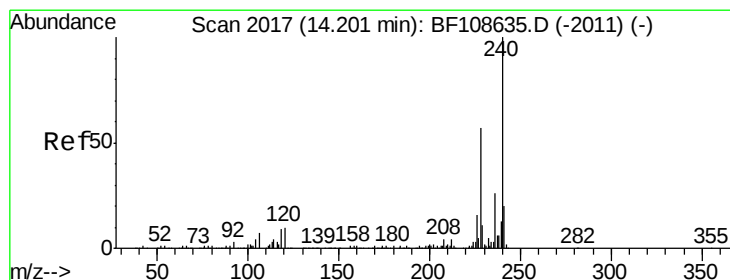
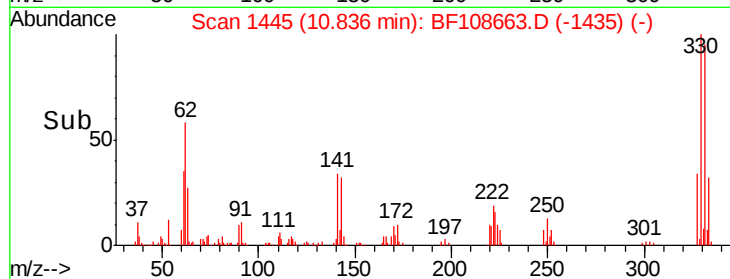
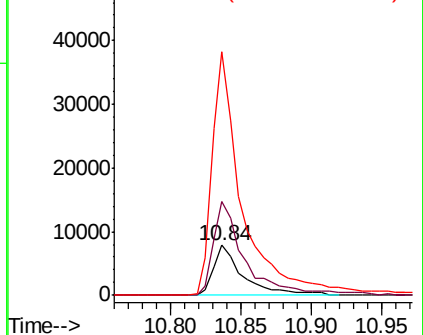
#66  
4-Bromophenyl-phenylether  
Concen: 2.688 ng  
RT: 10.84 min Scan# 1445  
Delta R.T. -0.24 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-U-B

Tgt Ion:248 Resp: 11409  
Ion Ratio Lower Upper  
248 100  
250 187.7 76.9 115.3#  
141 484.1 74.4 111.6#

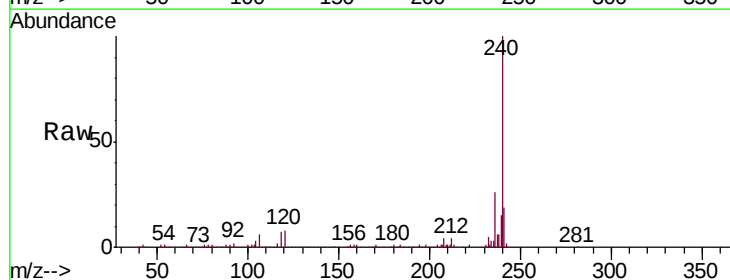


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

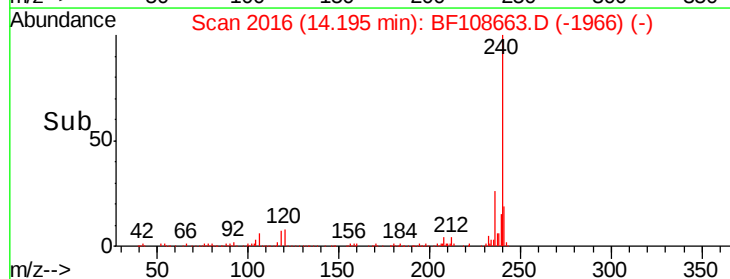
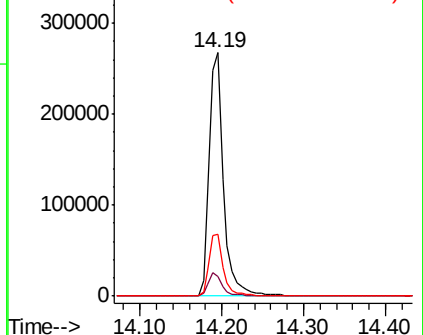


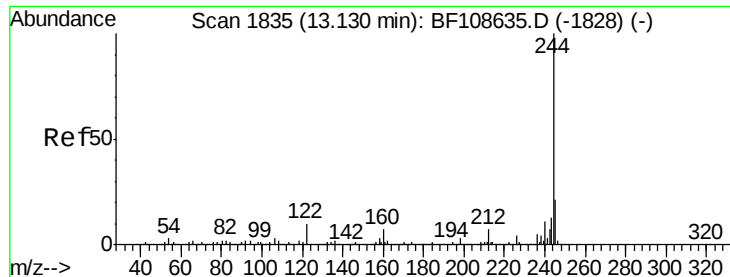
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.19 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BF108663.D  
Acq: 31 Aug 2018 1:43

Tgt Ion:240 Resp: 322205  
Ion Ratio Lower Upper  
240 100  
120 8.1 9.5 14.3#  
236 25.5 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: 74.071 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108663.D

Acq: 31 Aug 2018 1:43

Instrument :

BNA\_F

ClientSampleId :

082818-SIDI-F-U-B

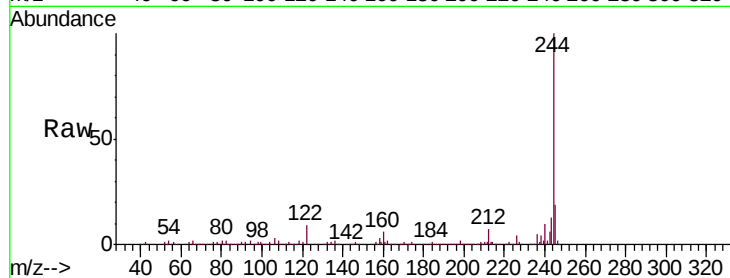
Tgt Ion:244 Resp: 1228334

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

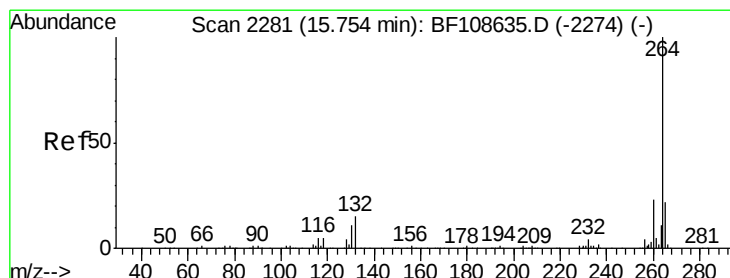
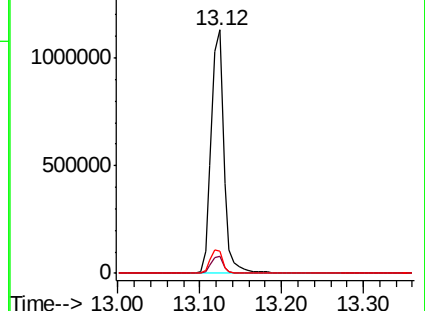
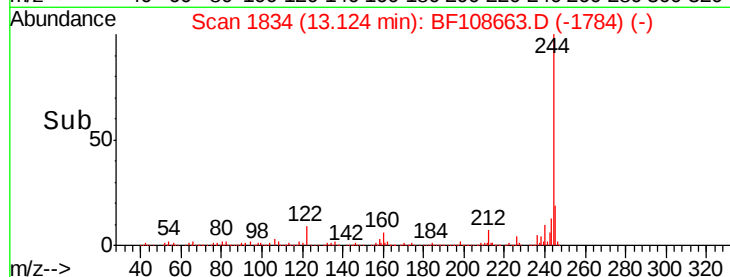
122 8.9 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108663.D

Acq: 31 Aug 2018 1:43

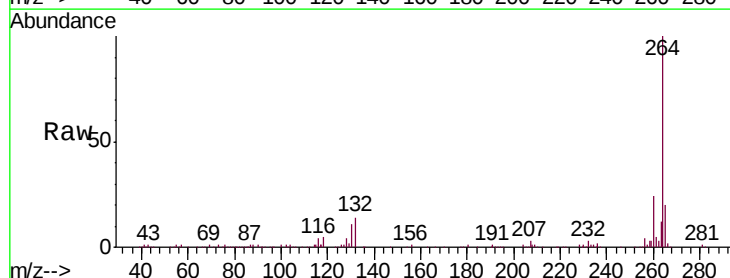
Tgt Ion:264 Resp: 267471

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.3 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

