

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF083018\  
 Data File : BF108662.D  
 Acq On : 31 Aug 2018 1:16  
 Operator : JU/SJ  
 Sample : J4700-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-D-S

Quant Time: Aug 31 04:34:18 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

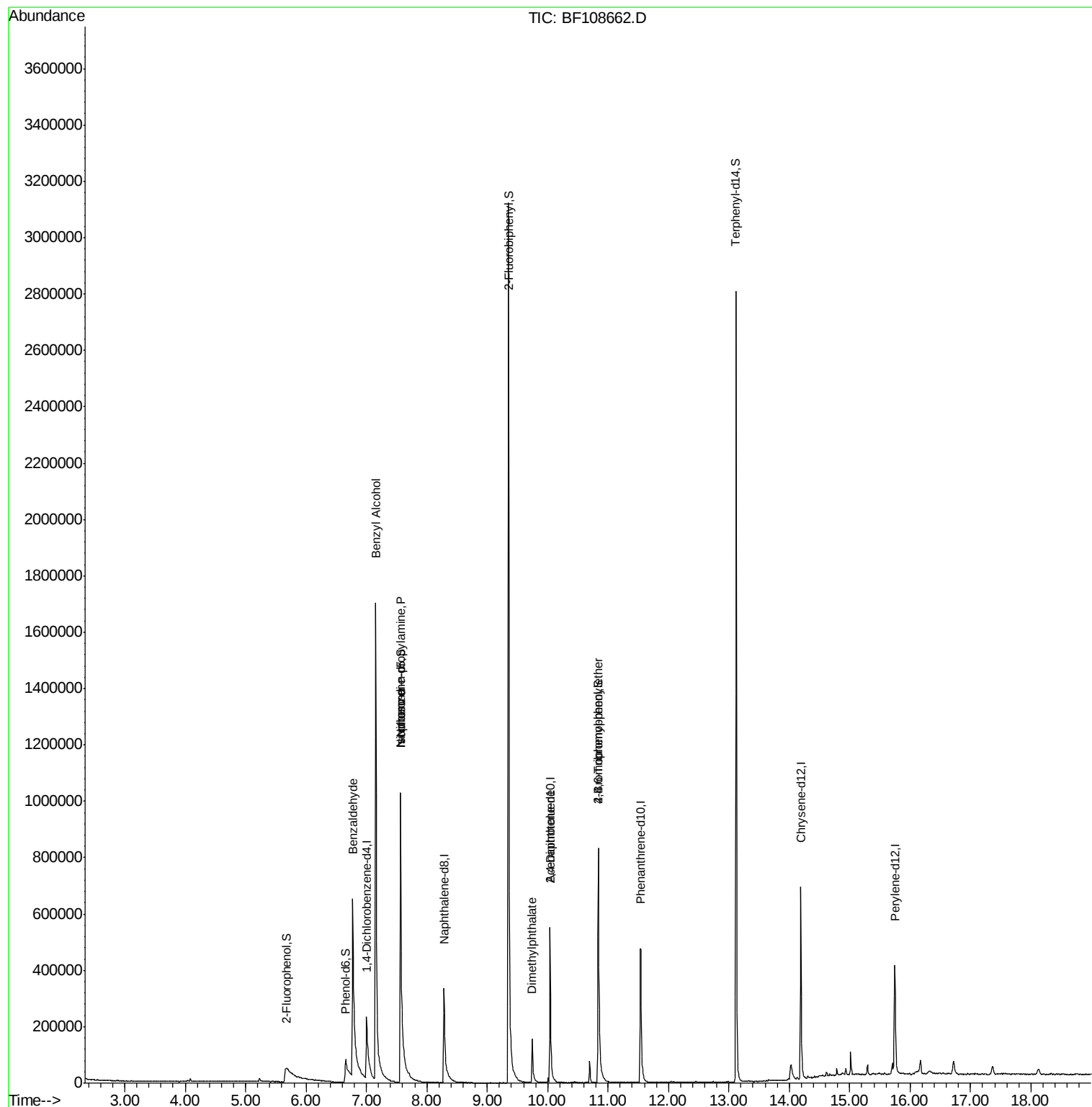
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.01  | 152  | 81648    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 337623   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.04 | 164  | 157906   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.54 | 188  | 291604   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.19 | 240  | 302357   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.75 | 264  | 246457   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.67  | 112  | 56732    | 12.07  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.66  | 99   | 143105   | 21.26  | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 657908   | 98.91  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 169236   | 81.19  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 1276602  | 108.70 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.12 | 244  | 1129106  | 72.56  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.77  | 77   | 8752     | 2.104  | ng    | # 75     |
| 15) Benzyl Alcohol             | 7.15  | 79   | 10473    | 2.163  | ng    | # 45     |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 79868    | 17.717 | ng    | # 84     |
| 25) Isophorone                 | 7.57  | 82   | 657908   | 59.543 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.75  | 163  | 114365   | 9.197  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 19126    | 5.270  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.84 | 248  | 10497    | 2.929  | ng    | # 1      |

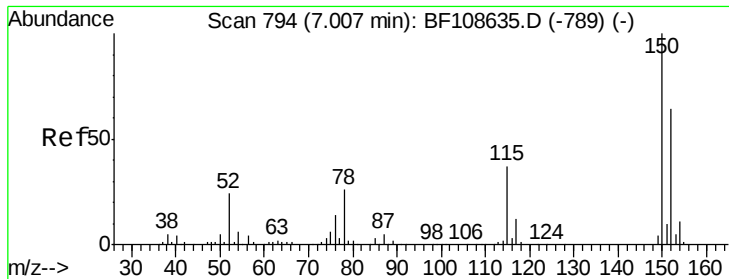
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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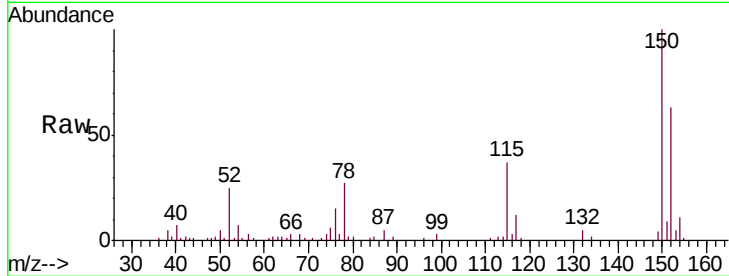


#1

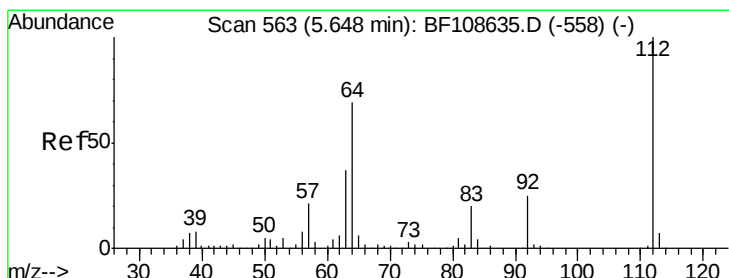
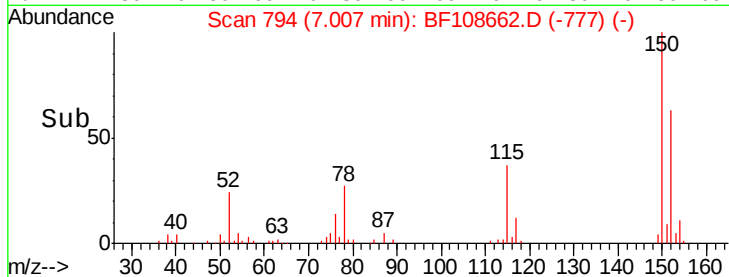
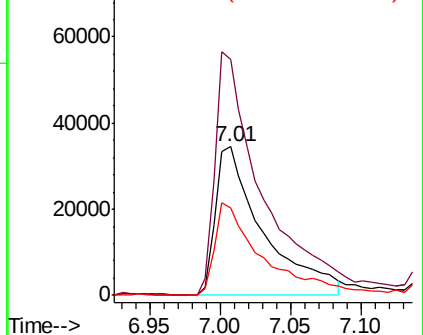
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-D-S

Tgt Ion:152 Resp: 81648  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.6 186.8  
115 59.1 50.1 75.1



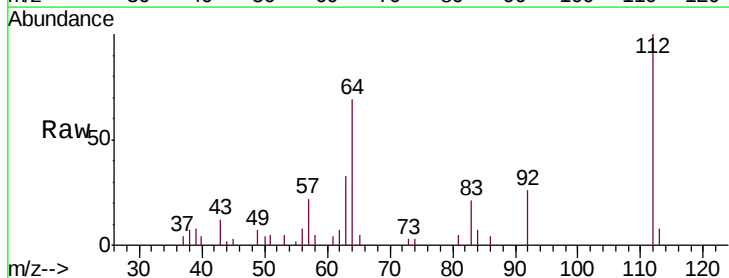
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



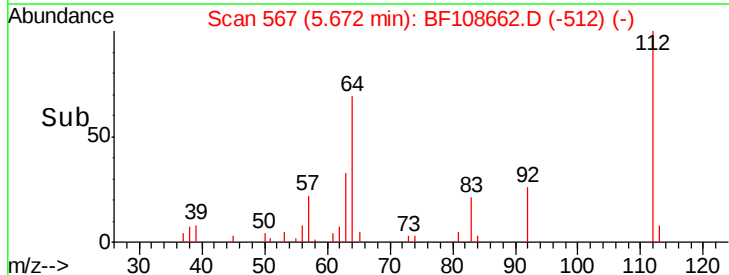
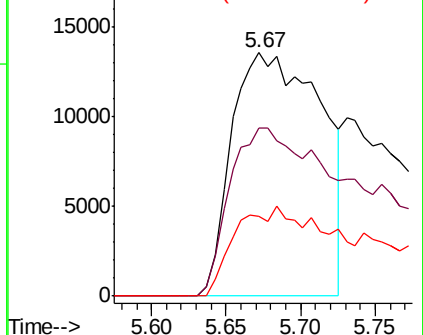
#5

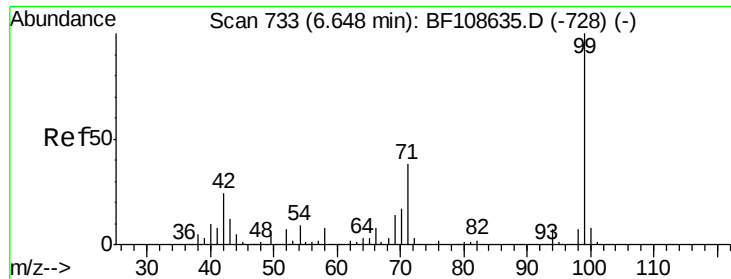
2-Fluorophenol  
Concen: 12.071 ng  
RT: 5.67 min Scan# 567  
Delta R.T. 0.02 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Tgt Ion:112 Resp: 56732  
Ion Ratio Lower Upper  
112 100  
64 69.1 47.9 71.9  
63 32.9 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: 21.259 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF108662.D

Acq: 31 Aug 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

082818-SIDI-F-D-S

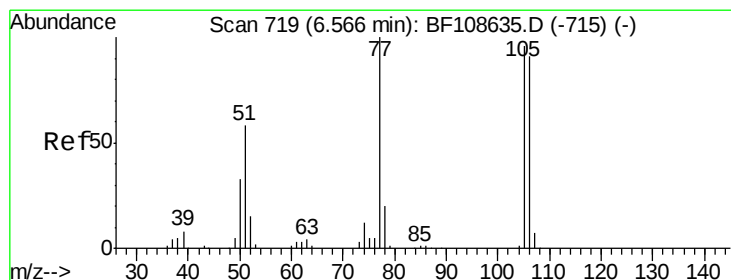
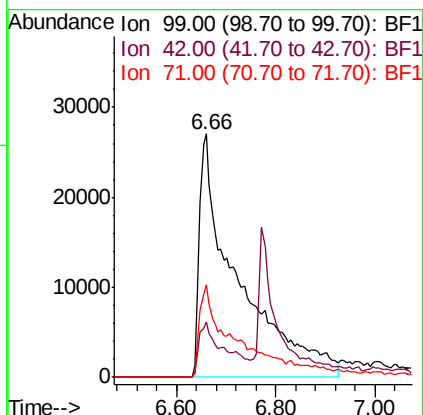
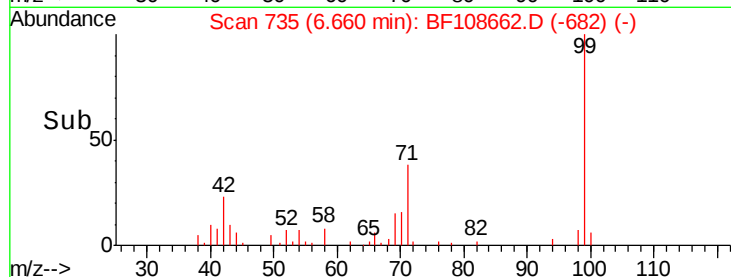
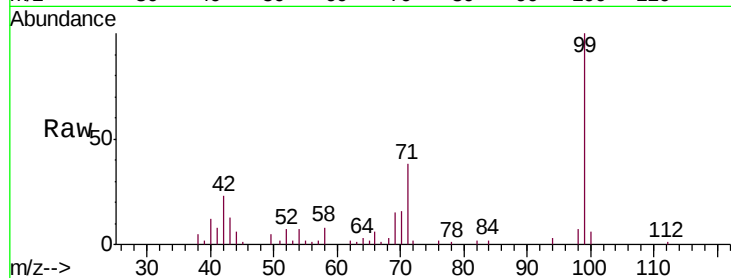
Tgt Ion: 99 Resp: 143105

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

71 38.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.104 ng

RT: 6.77 min Scan# 754

Delta R.T. 0.21 min

Lab File: BF108662.D

Acq: 31 Aug 2018 1:16

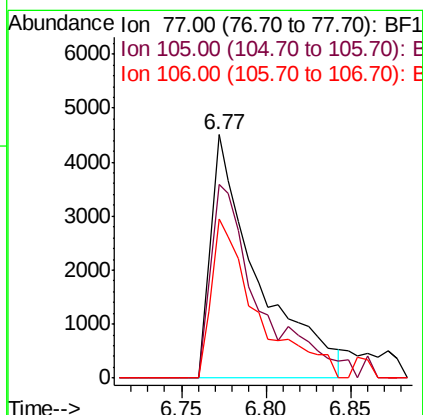
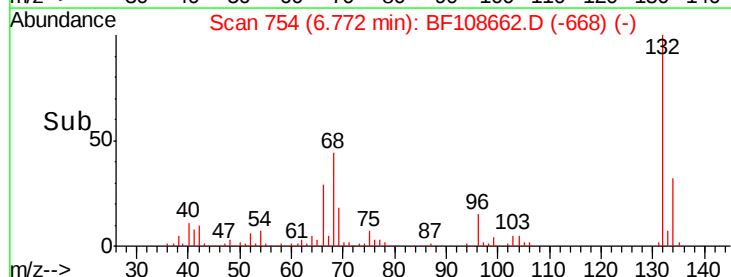
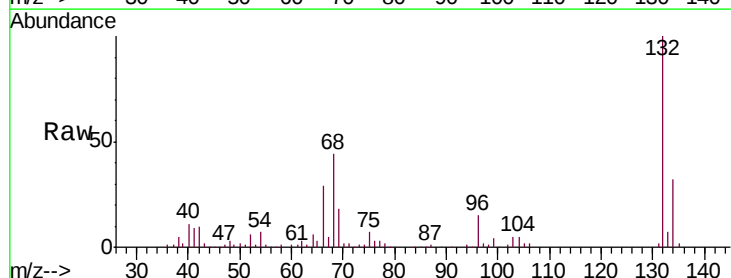
Tgt Ion: 77 Resp: 8752

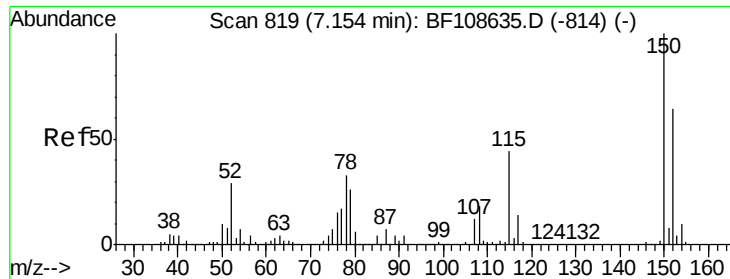
Ion Ratio Lower Upper

77 100

105 79.8 81.1 121.1#

106 65.5 74.5 114.5#

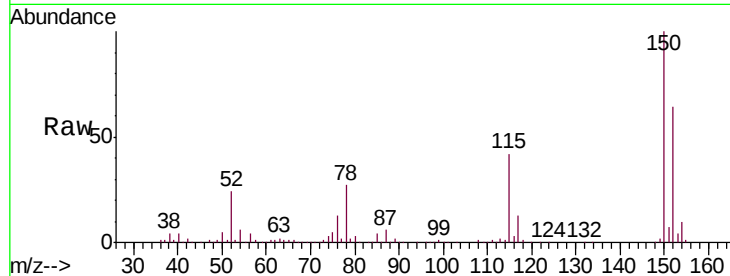




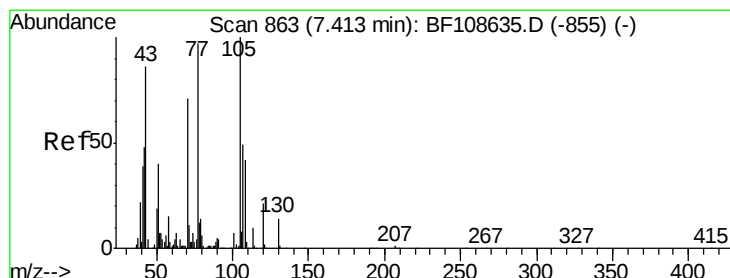
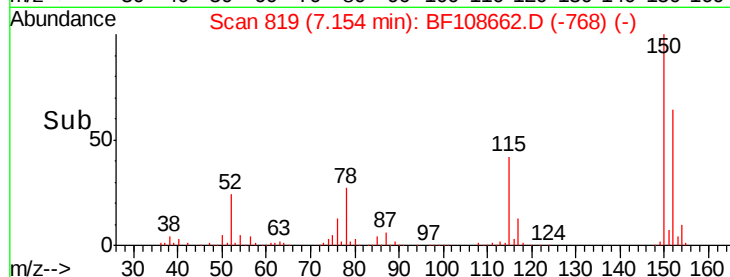
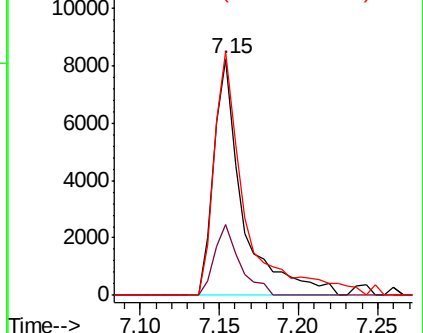
#15  
Benzyl Alcohol  
Concen: 2.163 ng  
RT: 7.15 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-D-S

Tgt Ion: 79 Resp: 10473  
Ion Ratio Lower Upper  
79 100  
108 29.9 65.1 97.7#  
77 103.1 50.6 75.8#

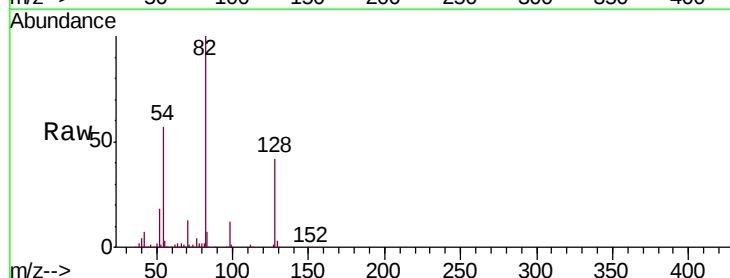


Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

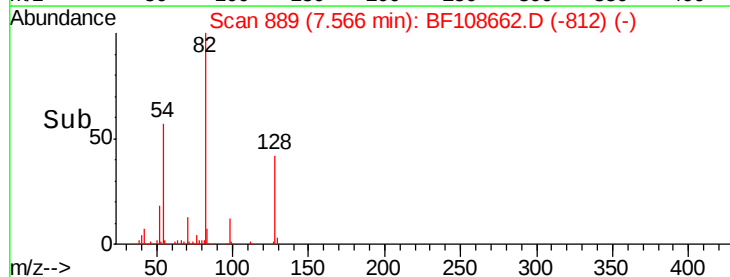
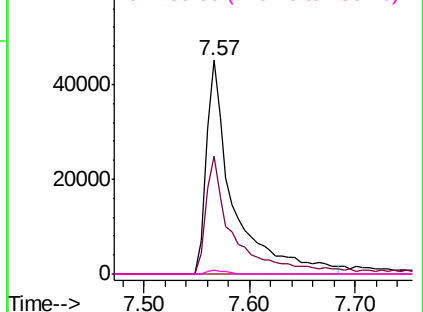


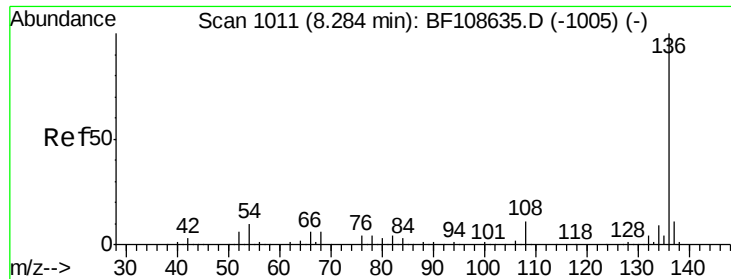
#19  
n-Nitroso-di-n-propylamine  
Concen: 17.717 ng  
RT: 7.57 min Scan# 889  
Delta R.T. 0.15 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Tgt Ion: 70 Resp: 79868  
Ion Ratio Lower Upper  
70 100  
42 55.3 47.5 71.3  
101 0.0 7.4 11.2#  
130 1.9 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1

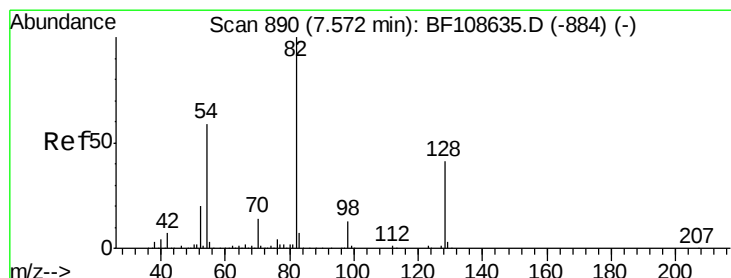
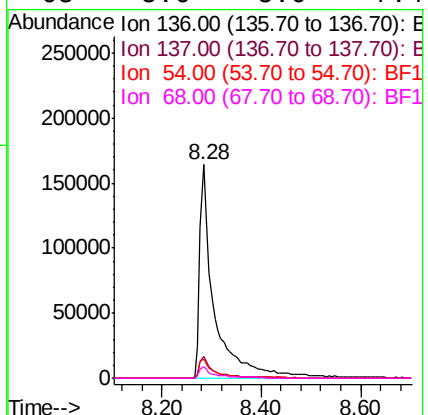
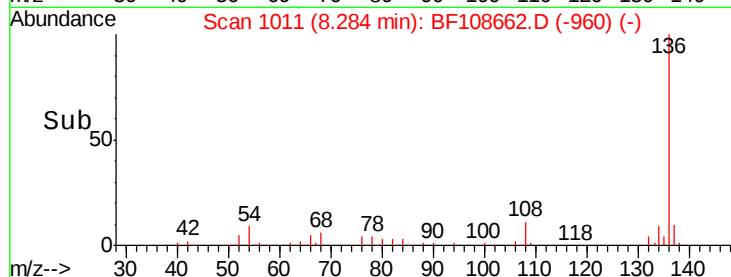
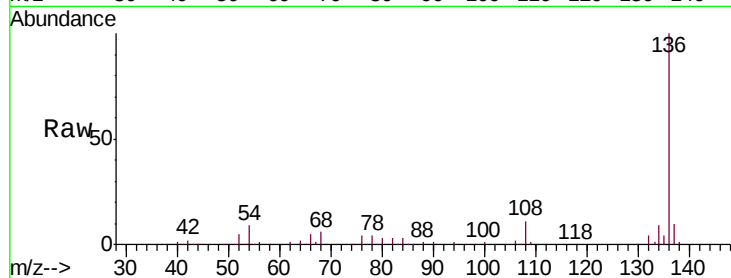




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.28 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

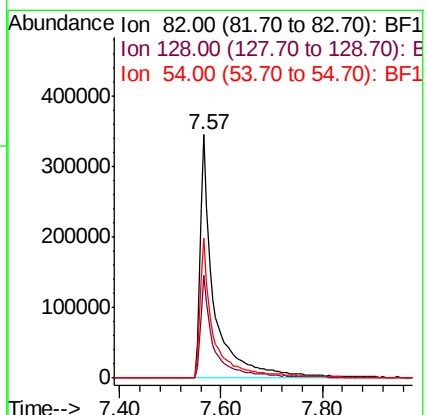
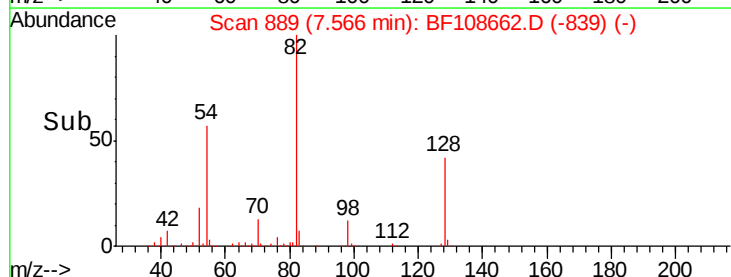
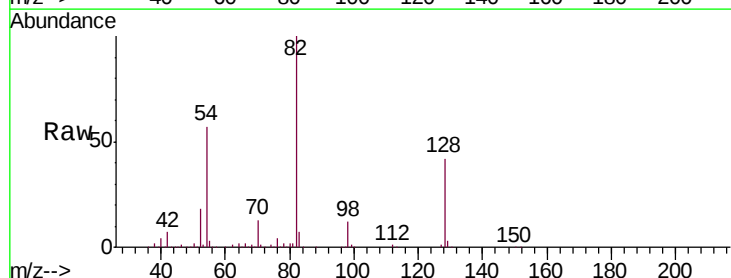
Instrument :  
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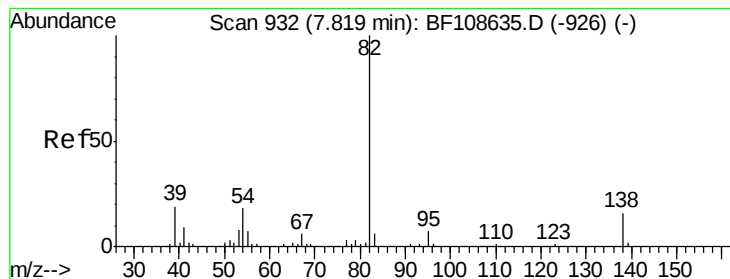
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 337623 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.2  | 8.9   | 13.3   |
| 54       | 9.3   | 6.6   | 9.8    |
| 68       | 5.6   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 98.911 ng  
RT: 7.57 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 657908 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.2  | 36.1  | 54.1   |
| 54       | 57.5  | 41.4  | 62.2   |





#25

Isophorone

Concen: 59.543 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108662.D

Acq: 31 Aug 2018 1:16

Instrument :

BNA\_F

ClientSampleId :

082818-SIDI-F-D-S

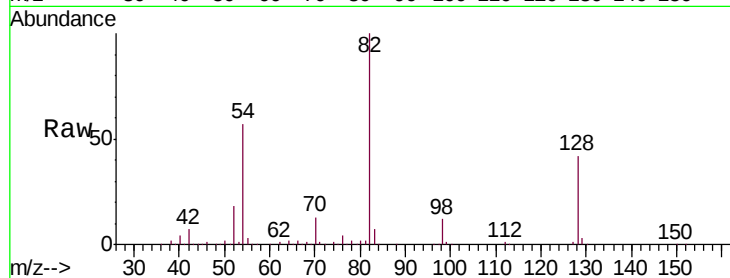
Tgt Ion: 82 Resp: 657908

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

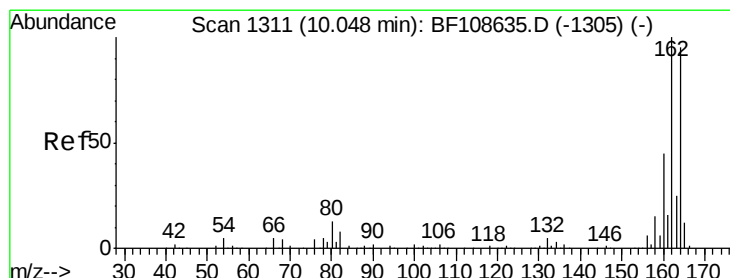
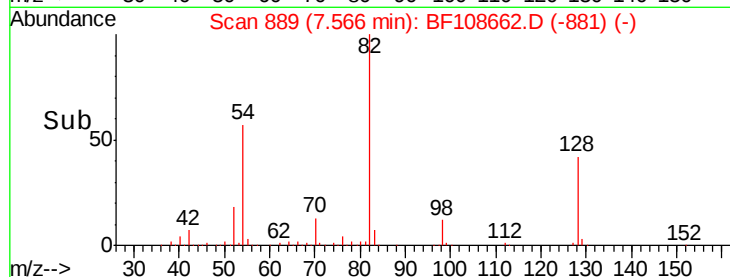
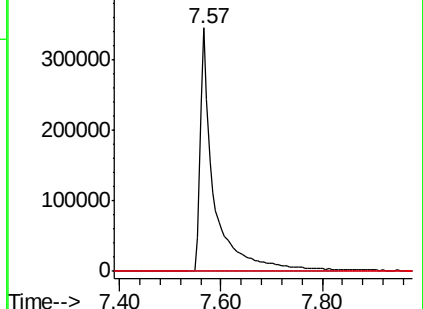
138 0.0 14.9 22.3#



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: BF108662.D

Acq: 31 Aug 2018 1:16

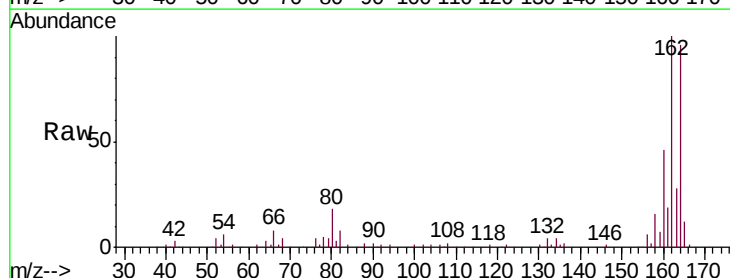
Tgt Ion: 164 Resp: 157906

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

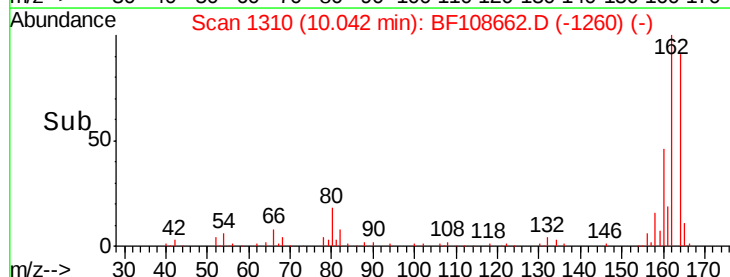
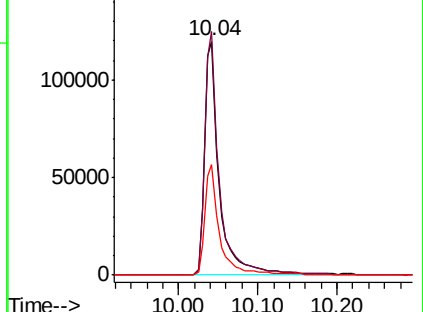
160 47.5 38.3 57.5

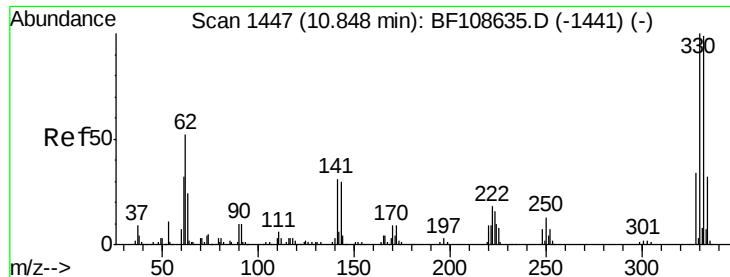


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

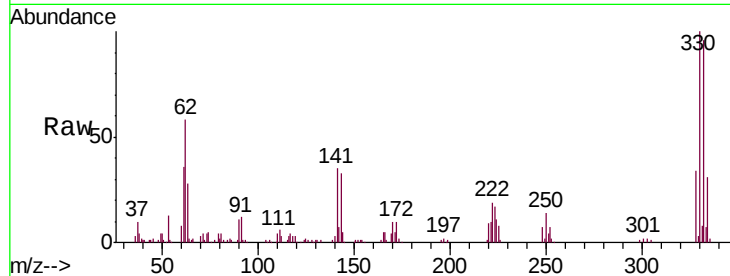




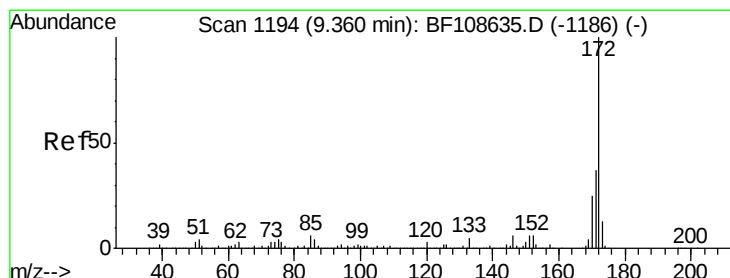
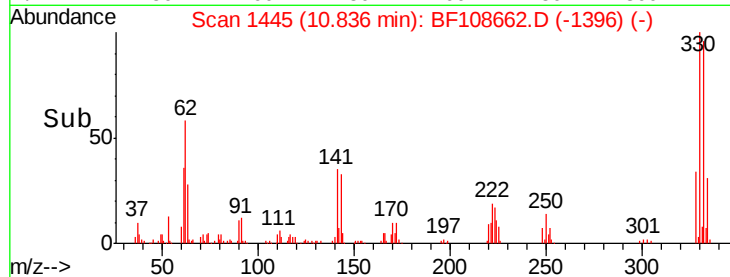
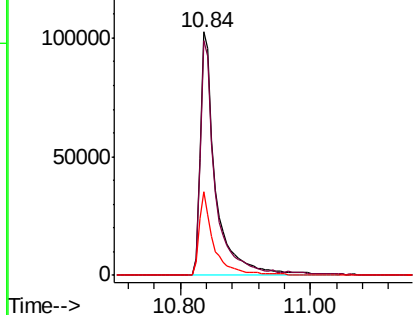
#41  
 2,4,6-Tribromophenol  
 Concen: 81.186 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108662.D  
 Acq: 31 Aug 2018 1:16

Instrument :  
 BNA\_F  
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 082818-SIDI-F-D-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 92.6  | 77.0  | 115.6 |
| 141     | 32.6  | 29.9  | 44.9  |

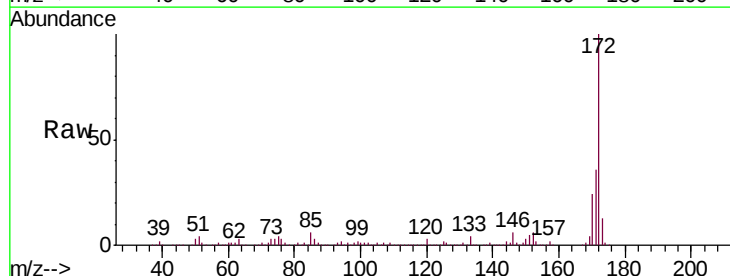


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

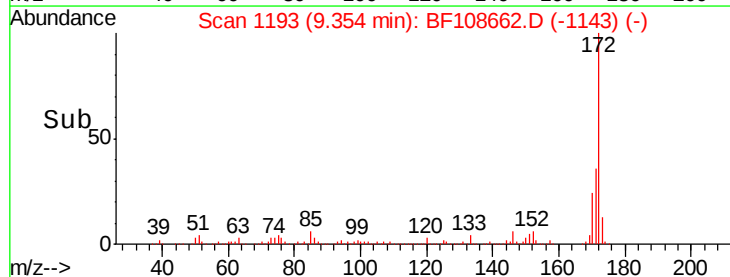
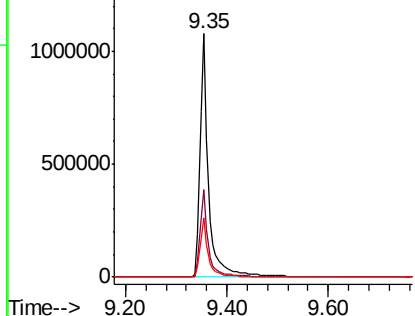


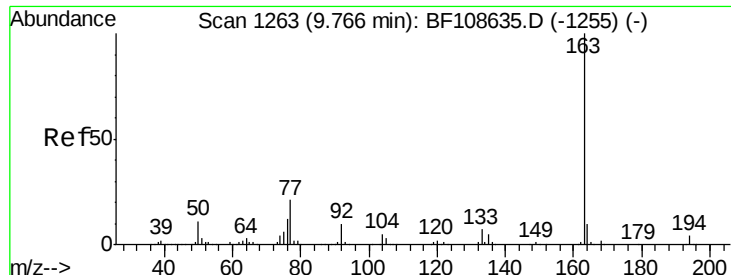
#44  
 2-Fluorobiphenyl  
 Concen: 108.703 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108662.D  
 Acq: 31 Aug 2018 1:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 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

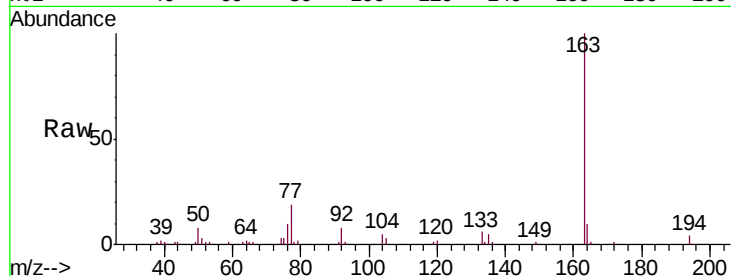




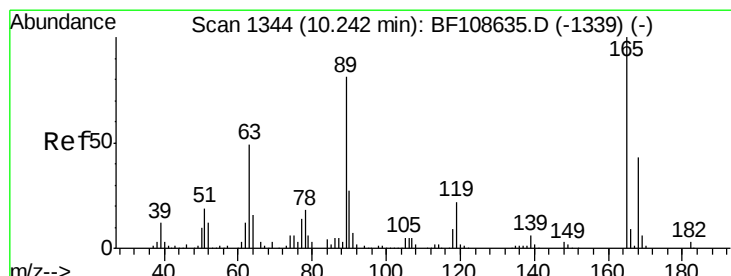
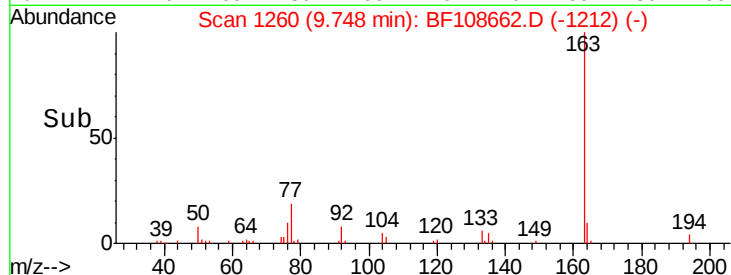
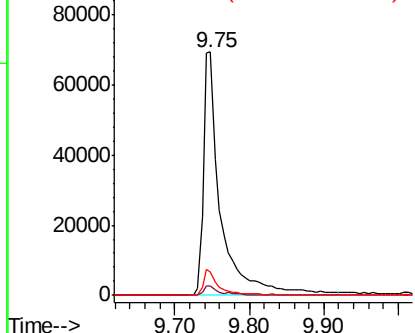
#49  
Dimethylphthalate  
Concen: 9.197 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-D-S

Tgt Ion:163 Resp: 114365  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 9.6 8.2 12.2

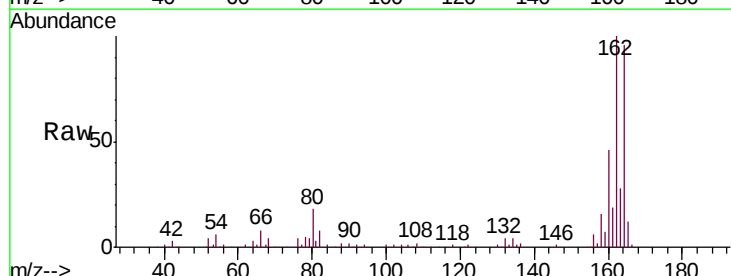


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

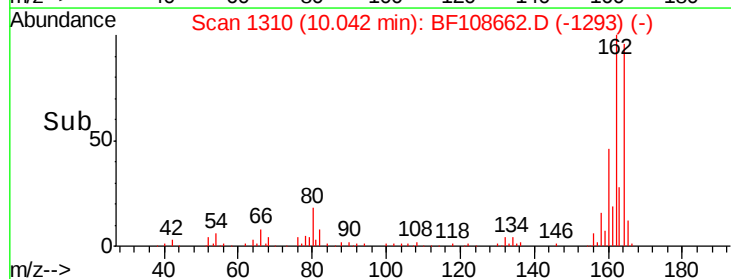
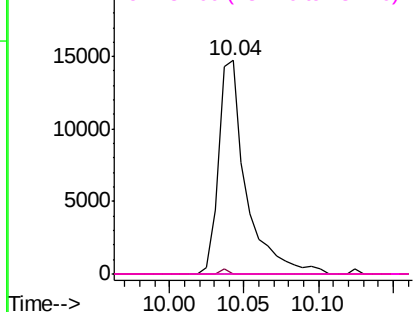


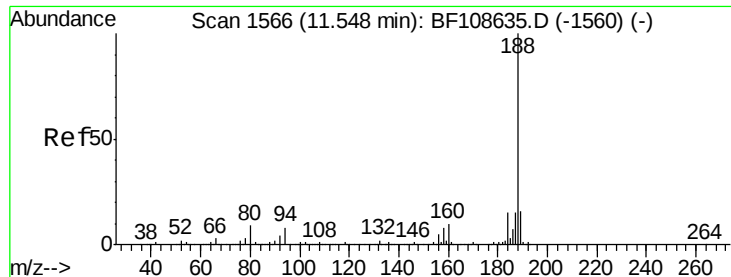
#56  
2,4-Dinitrotoluene  
Concen: 5.270 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.20 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Tgt Ion:165 Resp: 19126  
Ion Ratio Lower Upper  
165 100  
63 0.0 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

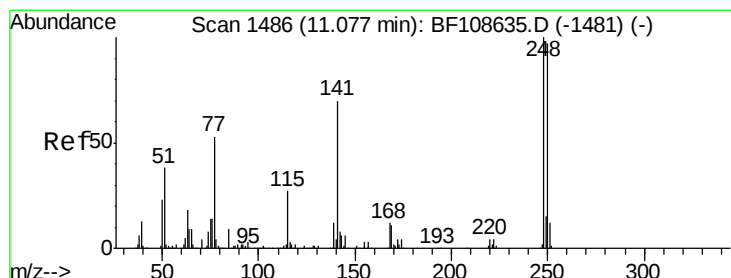
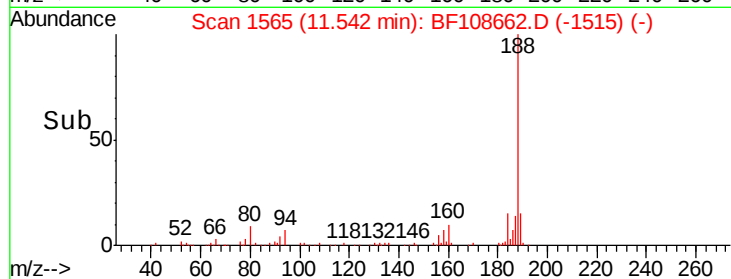
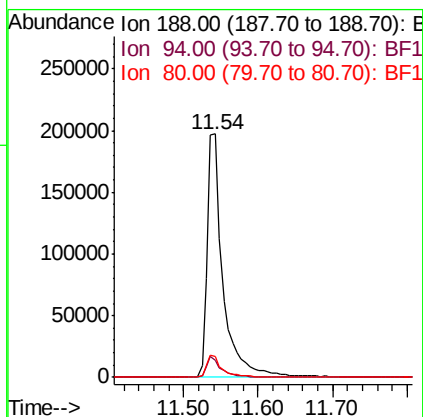
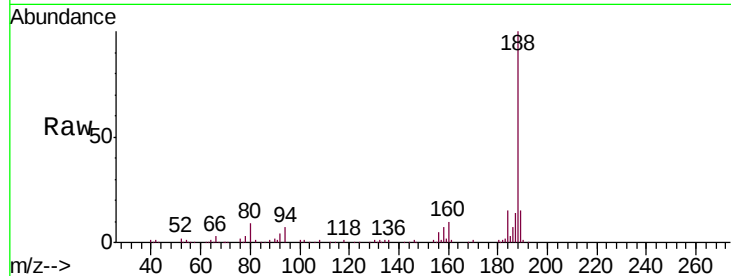




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF108662.D  
 Acq: 31 Aug 2018 1:16

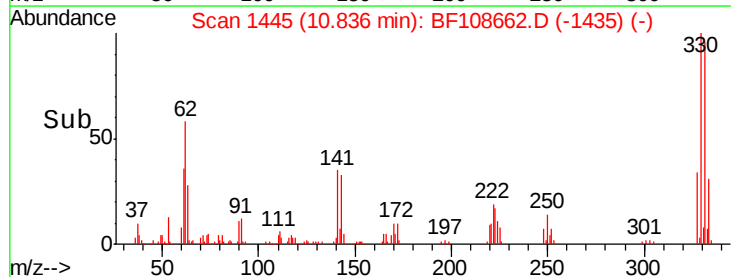
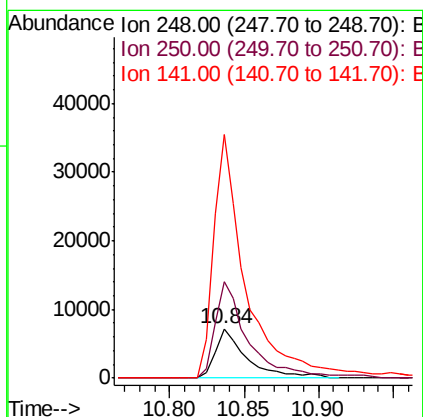
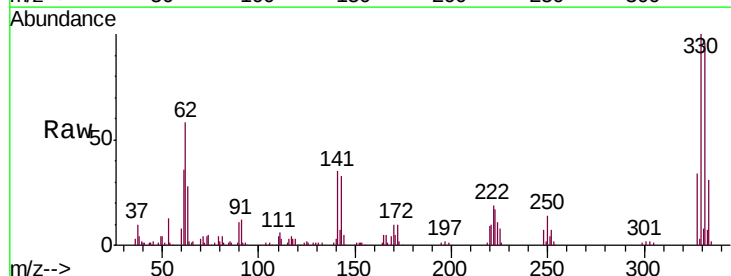
Instrument :  
 BNA\_F  
 ClientSampleId :  
 082818-SIDI-F-D-S

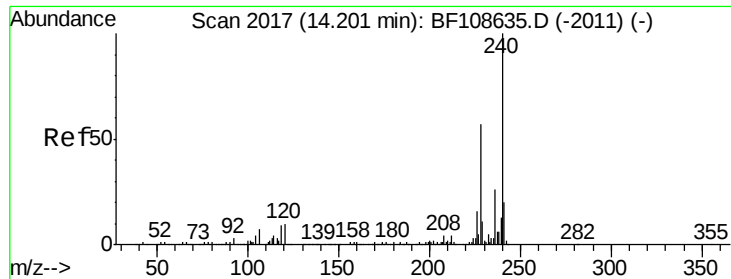
Tgt Ion:188 Resp: 291604  
 Ion Ratio Lower Upper  
 188 100  
 94 7.2 8.5 12.7#  
 80 8.8 9.2 13.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 2.929 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.24 min  
 Lab File: BF108662.D  
 Acq: 31 Aug 2018 1:16

Tgt Ion:248 Resp: 10497  
 Ion Ratio Lower Upper  
 248 100  
 250 195.1 76.9 115.3#  
 141 490.2 74.4 111.6#

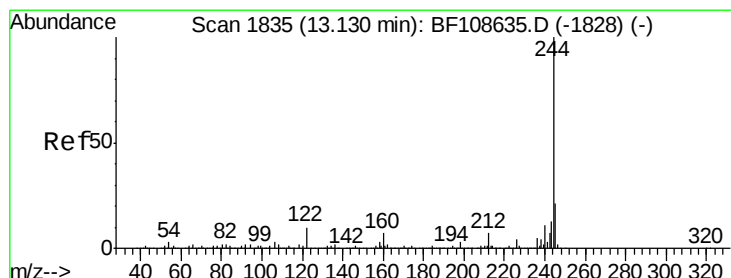
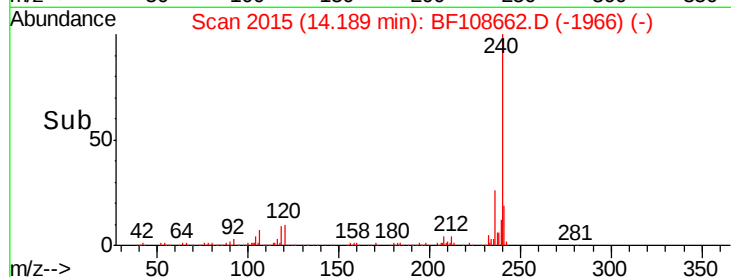
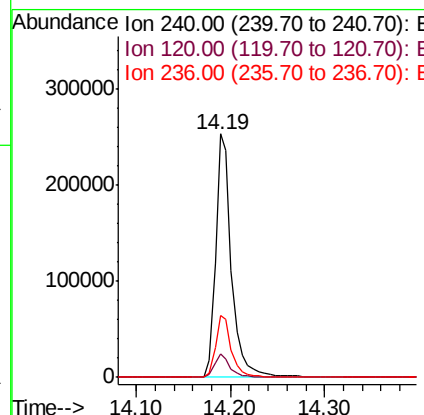
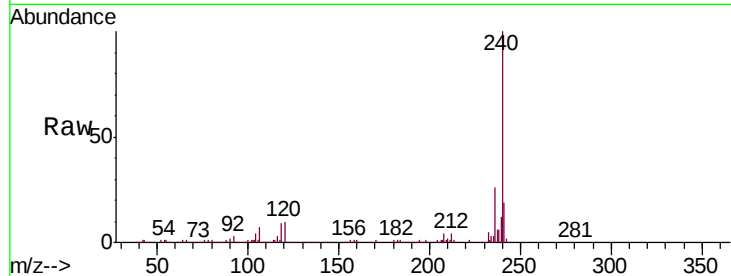




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.19 min Scan# 2015  
Delta R.T. -0.01 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

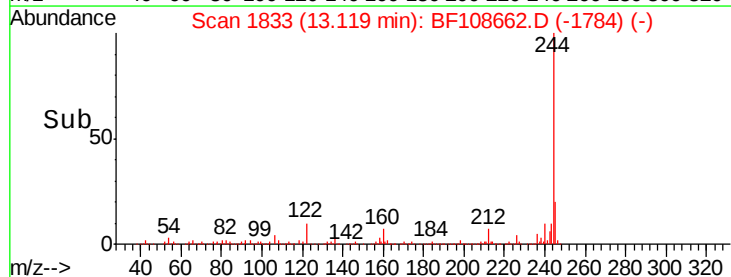
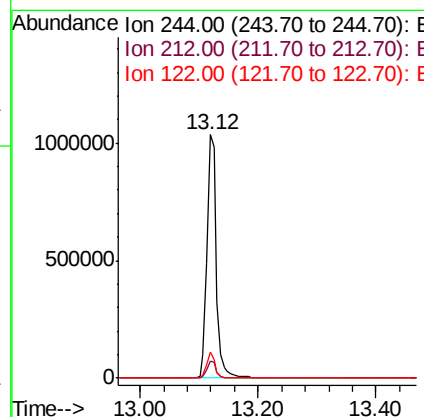
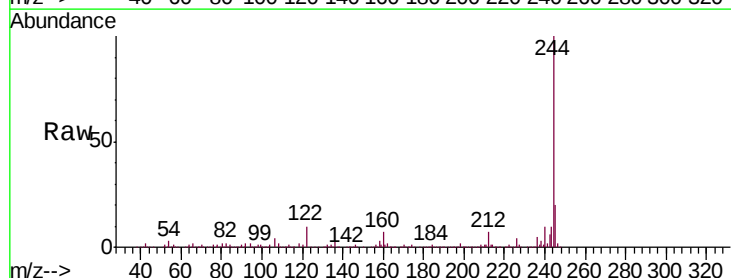
Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-D-S

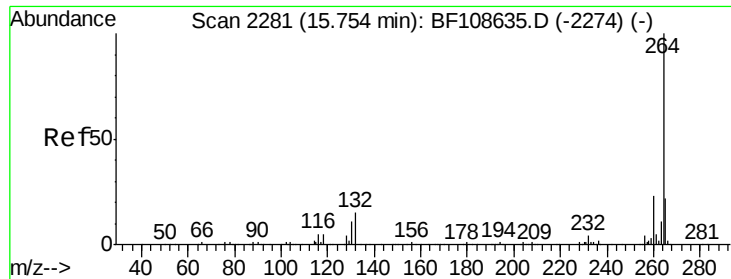
Tgt Ion:240 Resp: 302357  
Ion Ratio Lower Upper  
240 100  
120 9.7 9.5 14.3  
236 25.6 20.7 31.1



#78  
Terphenyl-d14  
Concen: 72.557 ng  
RT: 13.12 min Scan# 1833  
Delta R.T. -0.01 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Tgt Ion:244 Resp: 1129106  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.0  
122 10.5 11.0 16.4#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.75 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BF108662.D  
Acq: 31 Aug 2018 1:16

Instrument :  
BNA\_F  
ClientSampleId :  
082818-SIDI-F-D-S

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 246457 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.5  | 19.2  | 28.8   |
| 265      | 21.1  | 17.5  | 26.3   |

