

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\  
 Data File : BF108660.D  
 Acq On : 31 Aug 2018 00:21  
 Operator : JU/SJ  
 Sample : J4699-07  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 31 01:14:26 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

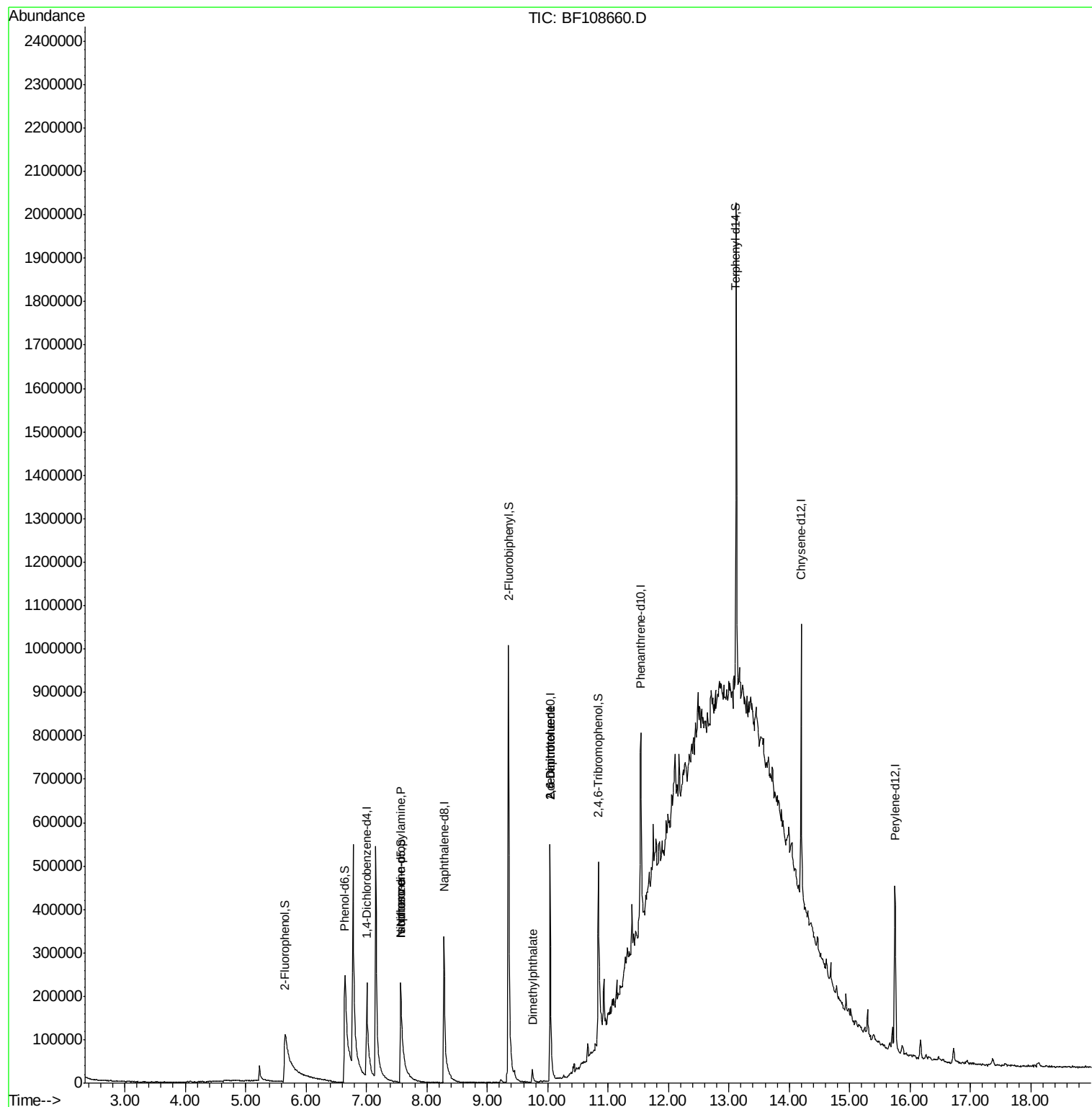
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.01  | 152  | 77525    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.28  | 136  | 334070   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.04 | 164  | 152579   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.54 | 188  | 267170   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.19 | 240  | 267456   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.75 | 264  | 228615   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.66  | 112  | 214675   | 48.11  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.64  | 99   | 376385   | 58.89  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.57  | 82   | 252975   | 38.44  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 89250    | 44.31  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 530406   | 46.74  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.12 | 244  | 487707   | 35.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.57  | 70   | 29764    | 6.954  | ng    | # 86     |
| 25) Isophorone                 | 7.57  | 82   | 252975   | 23.138 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.75  | 163  | 26781    | 2.229  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 10.04 | 165  | 18983    | 7.168  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 10.04 | 165  | 19232    | 5.484  | ng    | # 23     |

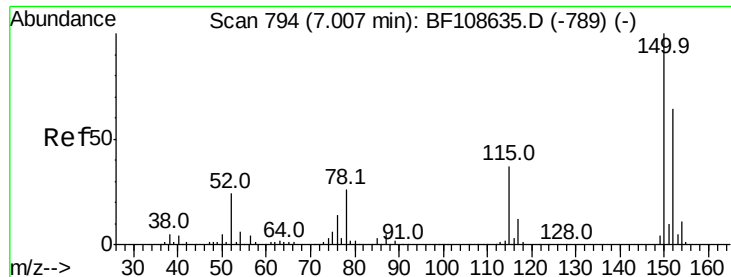
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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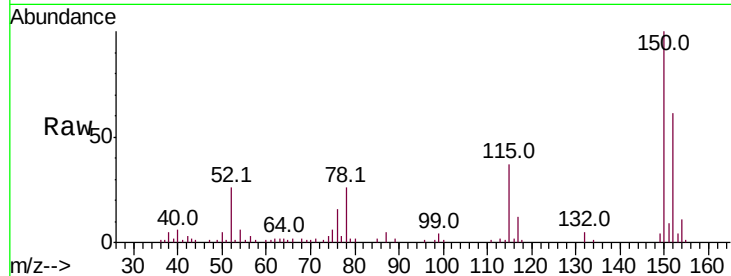


#1

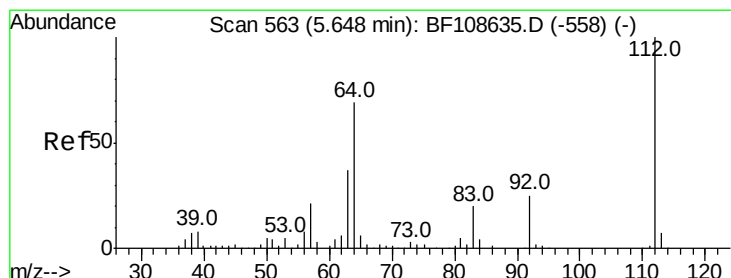
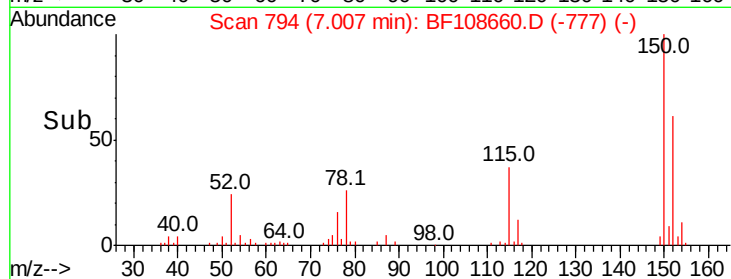
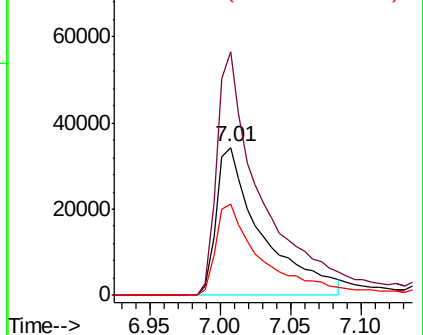
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 77525  
Ion Ratio Lower Upper  
152 100  
150 164.7 124.6 186.8  
115 61.7 50.1 75.1



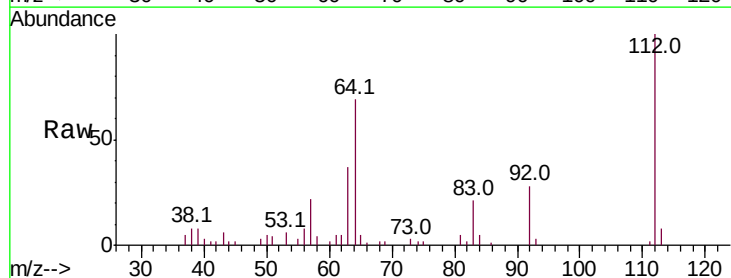
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



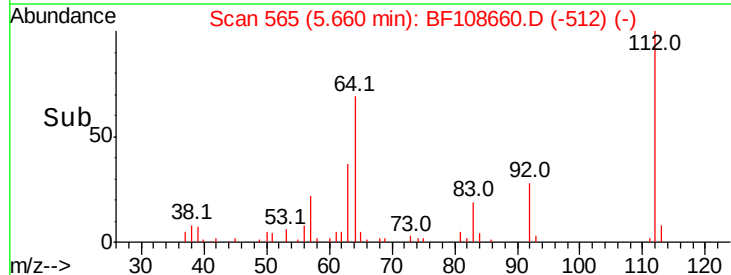
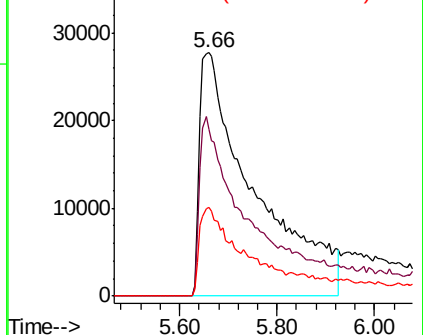
#5

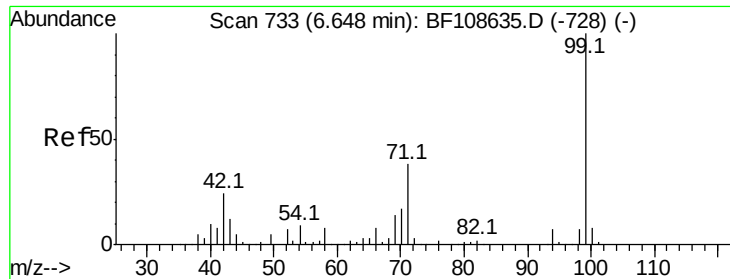
2-Fluorophenol  
Concen: 48.105 ng  
RT: 5.66 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

Tgt Ion:112 Resp: 214675  
Ion Ratio Lower Upper  
112 100  
64 68.8 47.9 71.9  
63 36.7 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: 58.887 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF108660.D

Acq: 31 Aug 2018 00:21

Instrument :

BNA\_F

ClientSampleId :

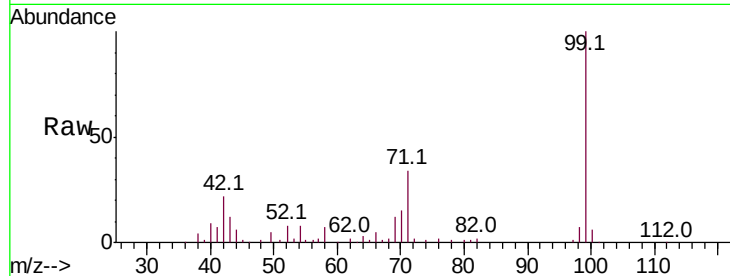
Tot Ion: 99 Resp: 376385

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

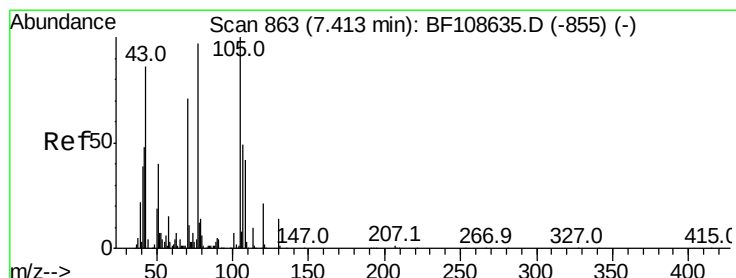
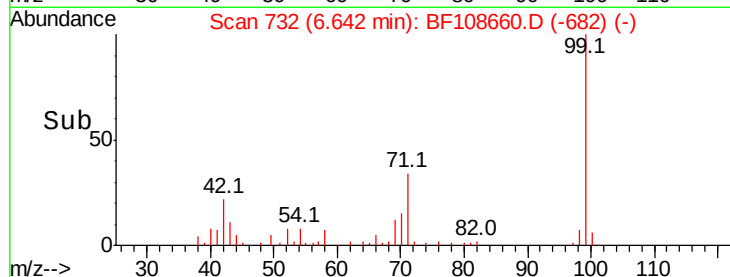
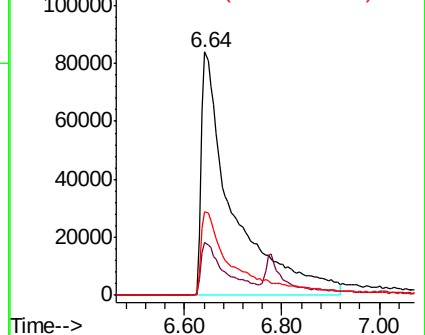
71 34.3 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.954 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108660.D

Acq: 31 Aug 2018 00:21

Tgt Ion: 70 Resp: 29764

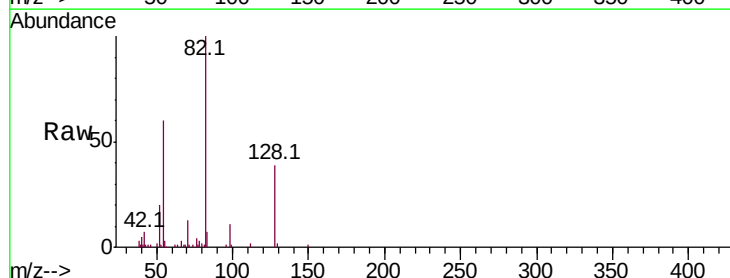
Ion Ratio Lower Upper

70 100

42 57.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

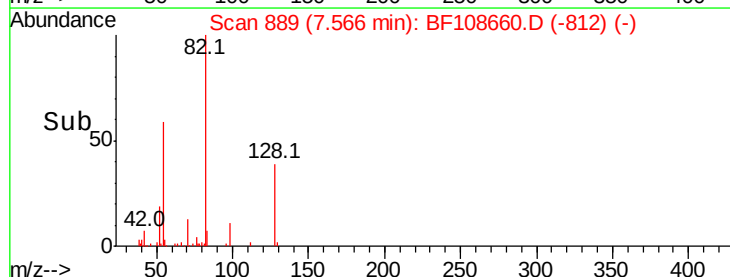
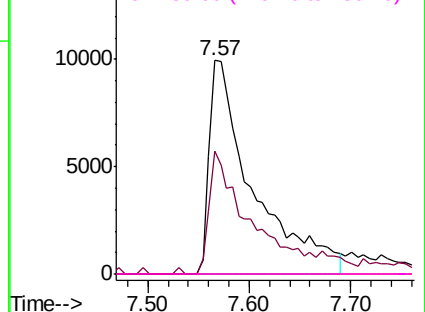


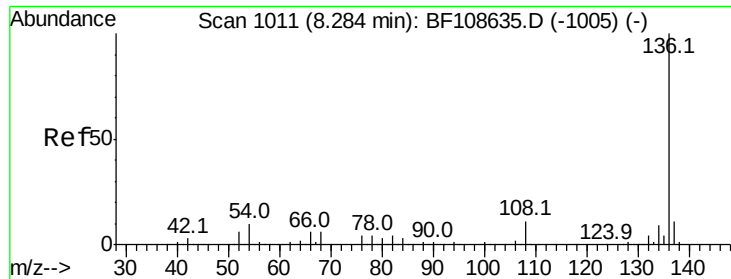
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

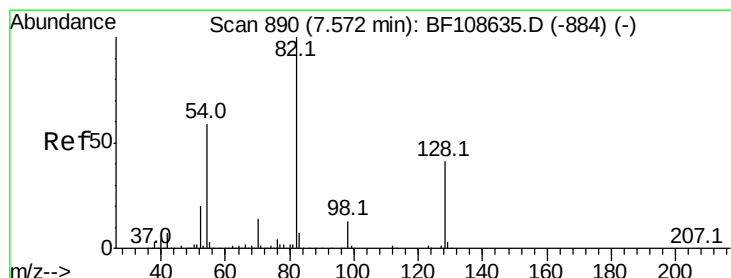
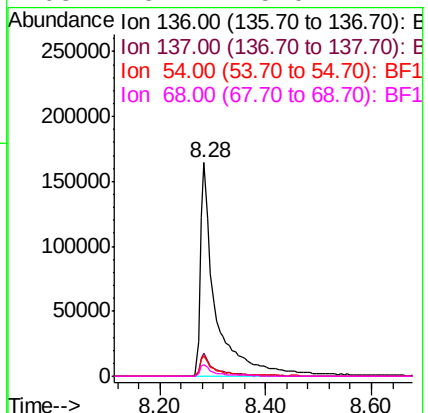
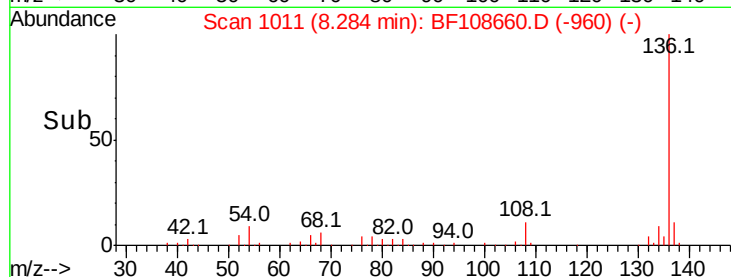
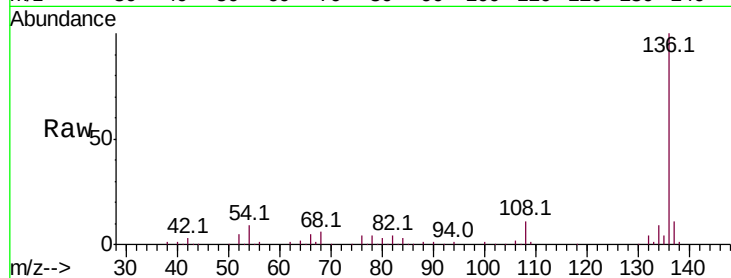




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.28 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

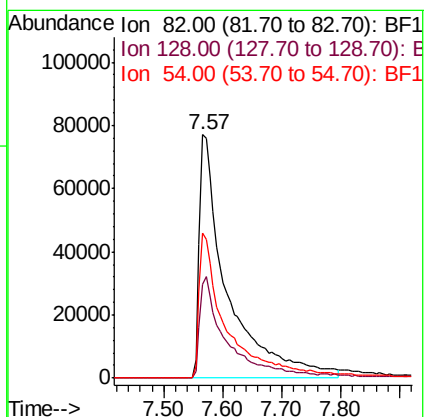
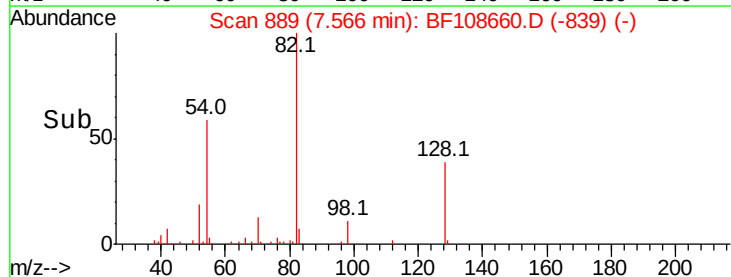
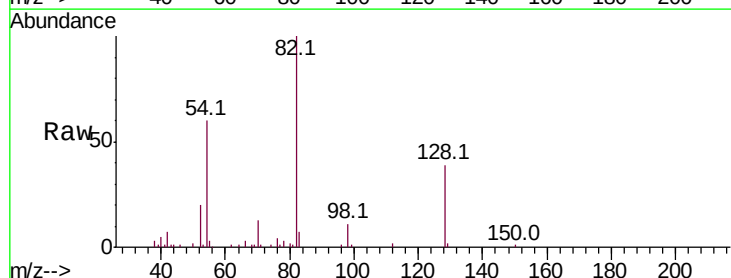
Instrument :  
BNA\_F  
ClientSampleId :

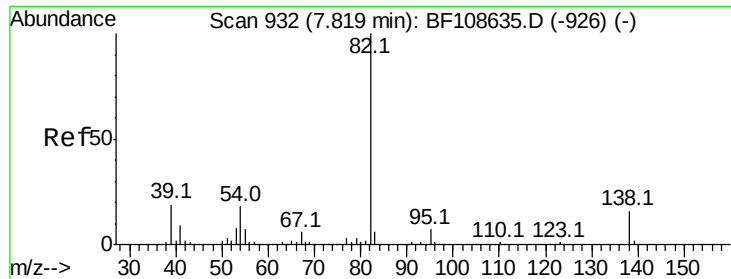
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 334070 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.7    | 8.9   | 13.3   |
| 54 9.4      | 6.6   | 9.8    |
| 68 5.7      | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 38.437 ng  
RT: 7.57 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 252975 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.8    | 36.1 54.1    |
| 54 59.6     | 41.4 62.2    |





#25

Isophorone

Concen: 23.138 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF108660.D

Acq: 31 Aug 2018 00:21

Instrument :

BNA\_F

ClientSampleId :

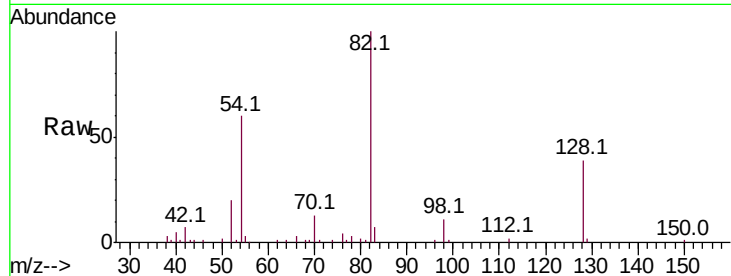
Tot Ion: 82 Resp: 252975

Ion Ratio Lower Upper

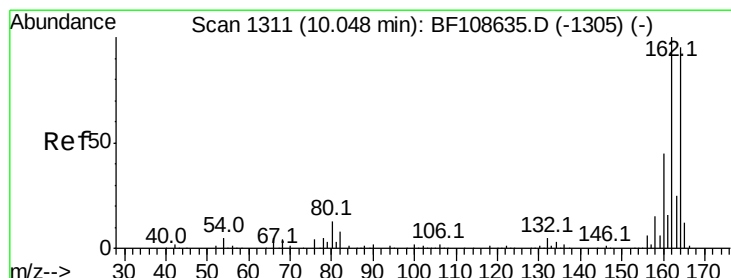
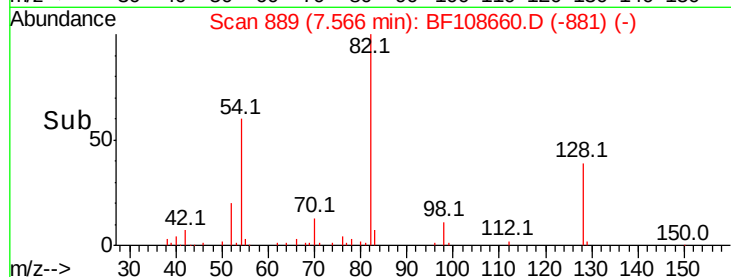
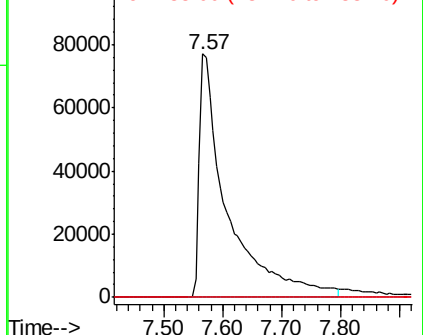
82 100

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: BF108660.D

Acq: 31 Aug 2018 00:21

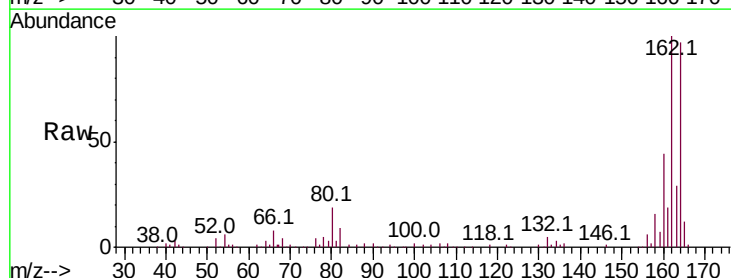
Tgt Ion:164 Resp: 152579

Ion Ratio Lower Upper

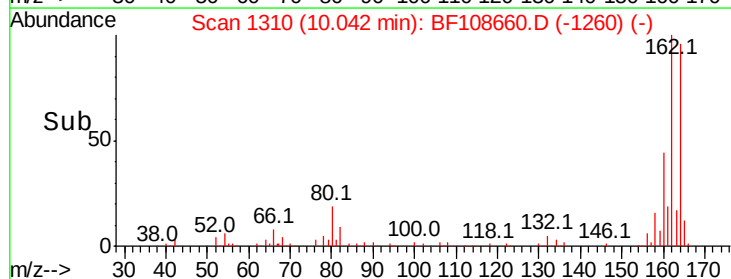
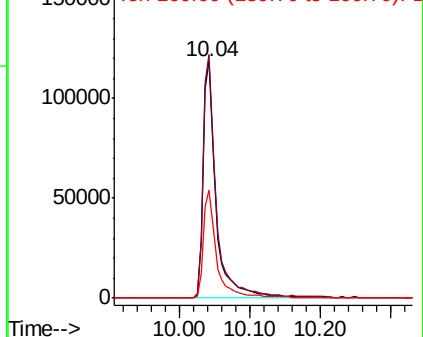
164 100

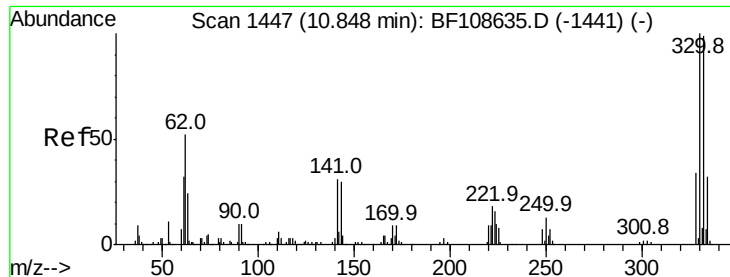
162 102.9 86.1 129.1

160 45.7 38.3 57.5



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

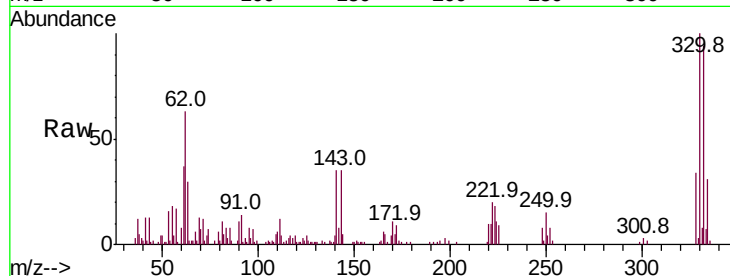




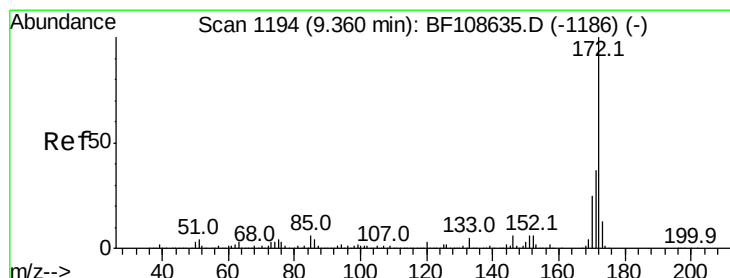
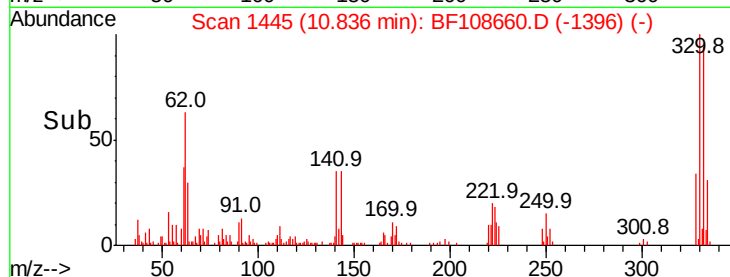
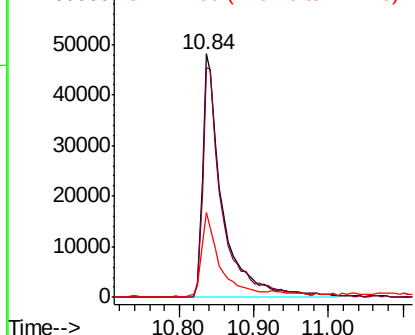
#41  
 2,4,6-Tribromophenol  
 Concen: 44.310 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108660.D  
 Acq: 31 Aug 2018 00:21

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.0  | 77.0  | 115.6 |
| 141     | 33.3  | 29.9  | 44.9  |

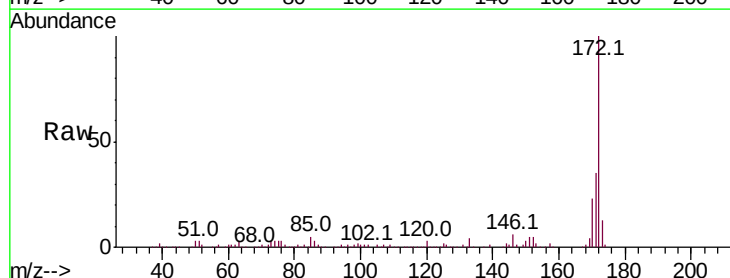


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

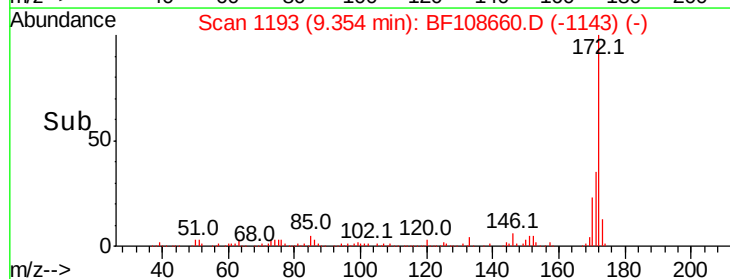
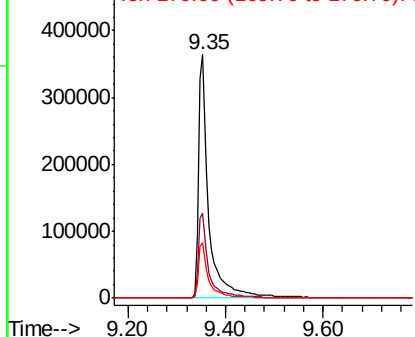


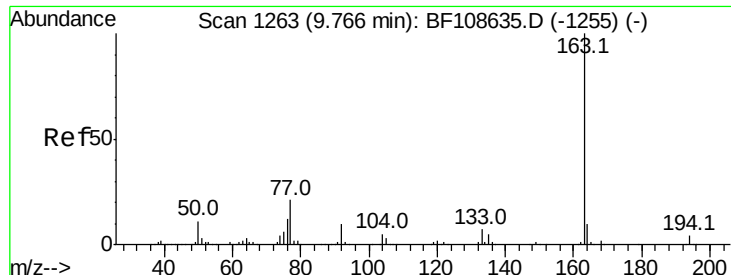
#44  
 2-Fluorobiphenyl  
 Concen: 46.741 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108660.D  
 Acq: 31 Aug 2018 00:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 29.7  | 44.5  |
| 170     | 22.7  | 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

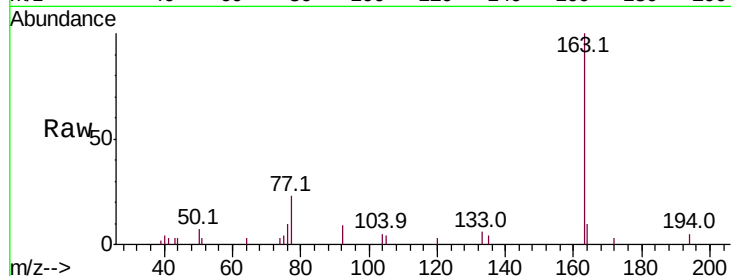




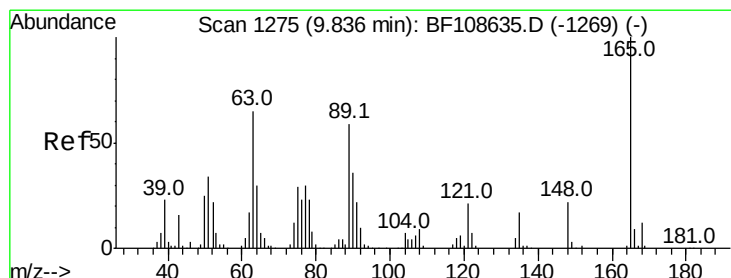
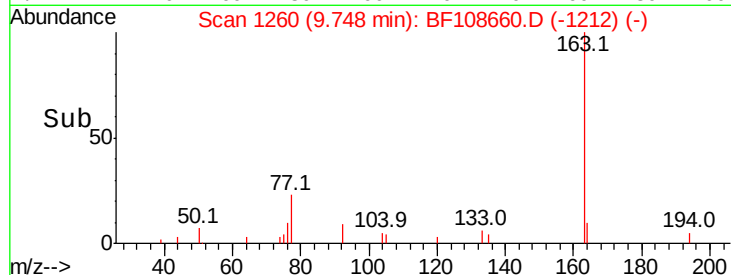
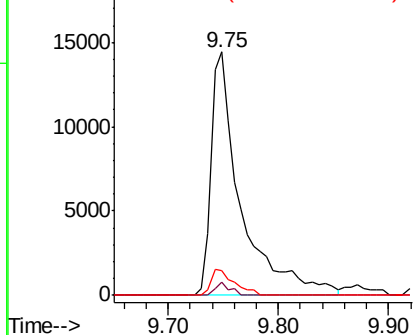
#49  
Dimethylphthalate  
Concen: 2.229 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 26781  
Ion Ratio Lower Upper  
163 100  
194 5.4 2.7 4.1#  
164 10.2 8.2 12.2

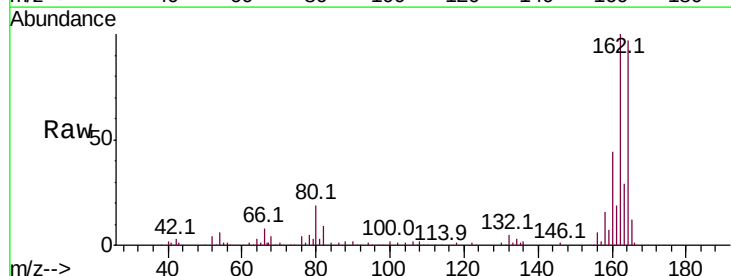


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

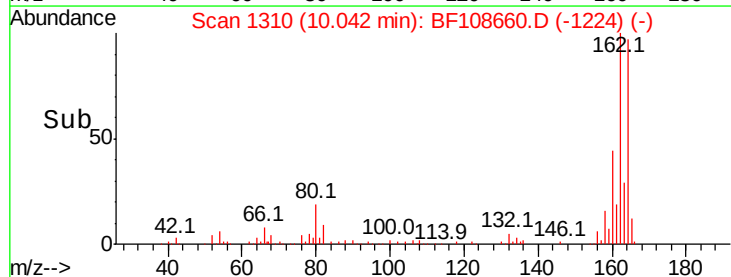
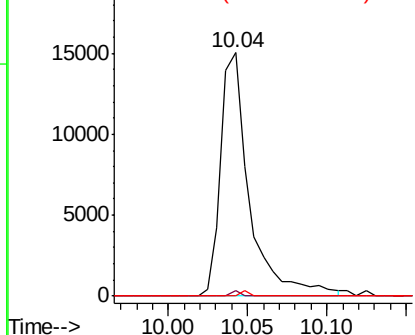


#50  
2,6-Dinitrotoluene  
Concen: 7.168 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. 0.21 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

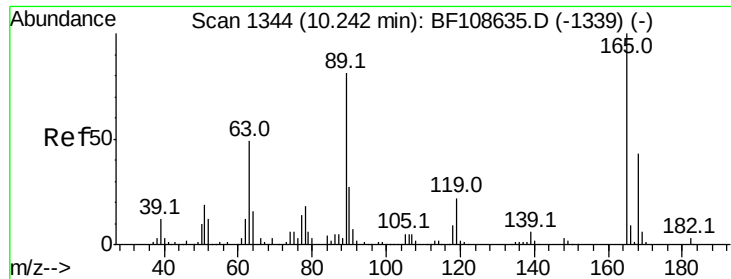
Tgt Ion:165 Resp: 18983  
Ion Ratio Lower Upper  
165 100  
63 2.3 44.7 67.1#  
89 0.0 44.0 66.0#



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



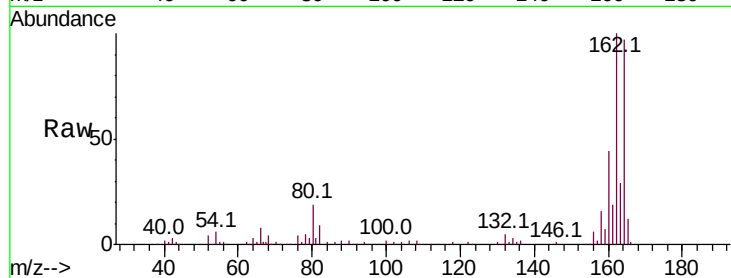




#56  
2,4-Dinitrotoluene  
Concen: 5.484 ng  
RT: 10.04 min Scan# 1310  
Delta R.T. -0.20 min  
Lab File: BF108660.D  
Acq: 31 Aug 2018 00:21

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.3   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

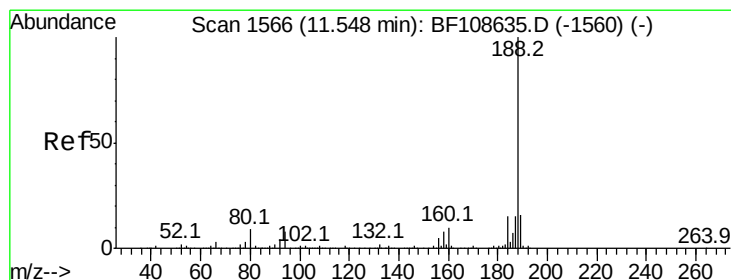
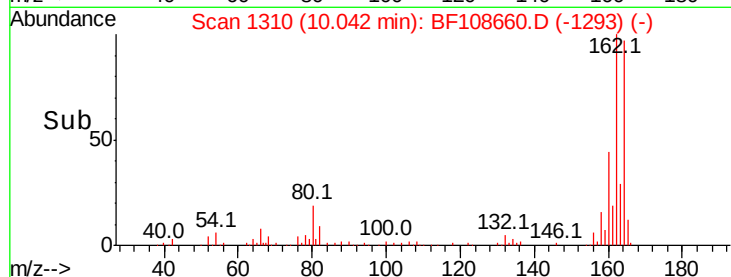
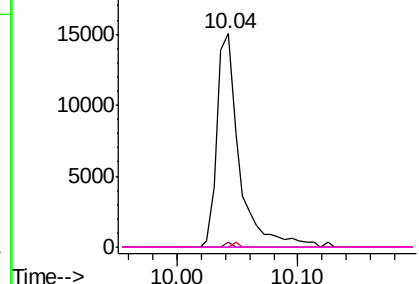


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

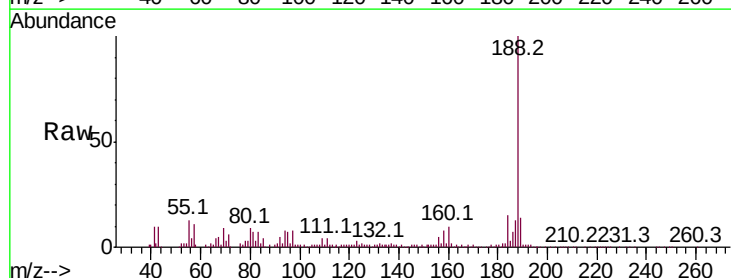
Ion 89.00 (88.70 to 89.70): BF1

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: BF108660.D  
Acq: 31 Aug 2018 00:21

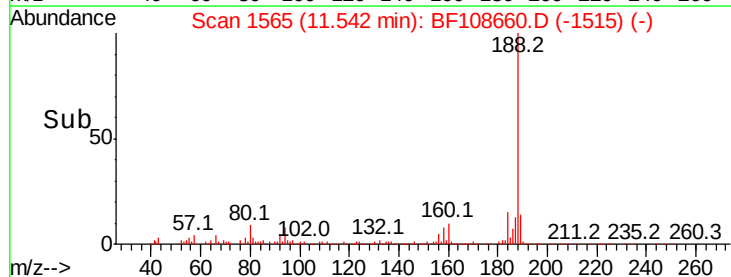
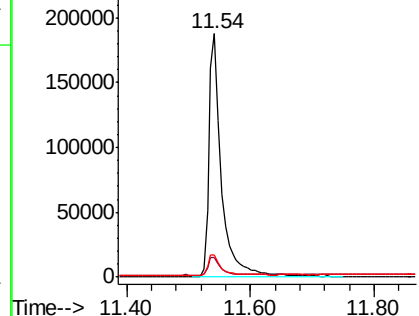
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 8.5   | 12.7# |
| 80      | 9.2   | 9.2   | 13.8# |

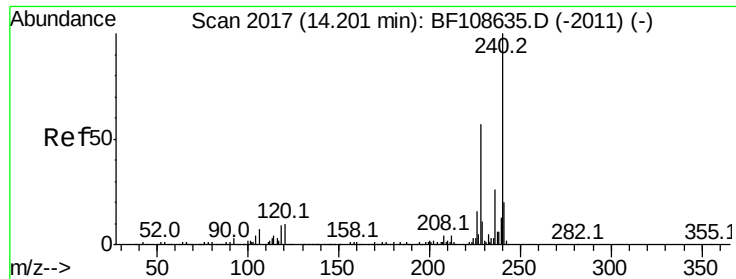


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108660.D

Acq: 31 Aug 2018 00:21

Instrument :

BNA\_F

ClientSampleId :

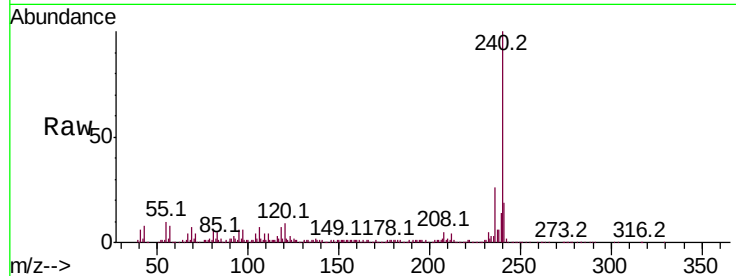
Tot Ion:240 Resp: 267456

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

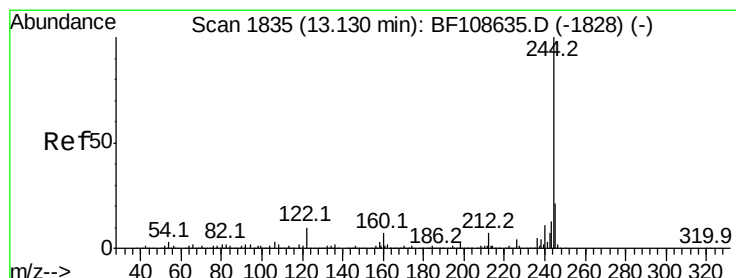
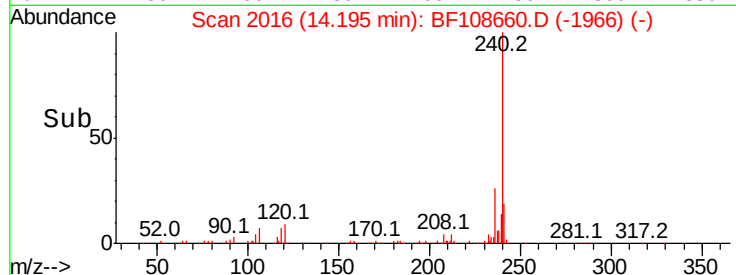
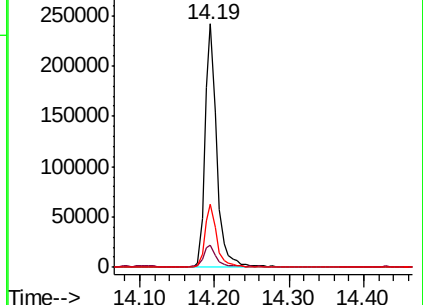
236 26.0 20.7 31.1



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: 35.430 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108660.D

Acq: 31 Aug 2018 00:21

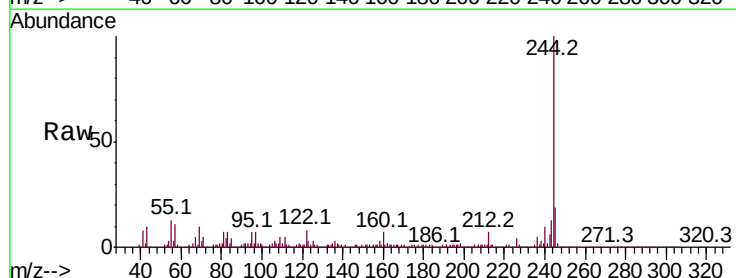
Tgt Ion:244 Resp: 487707

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

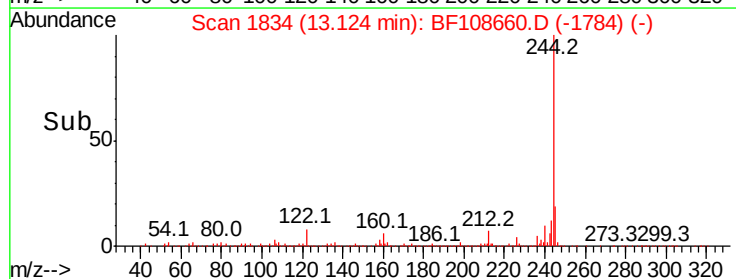
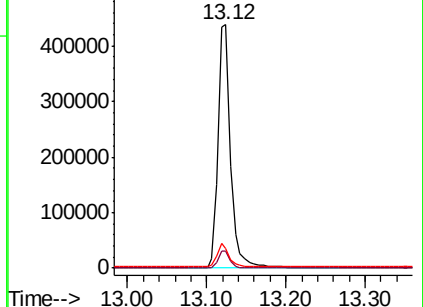
122 8.2 11.0 16.4#

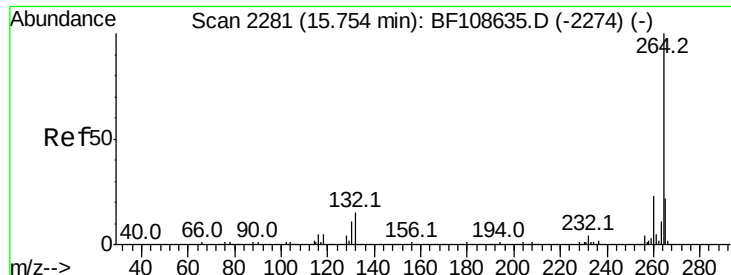


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

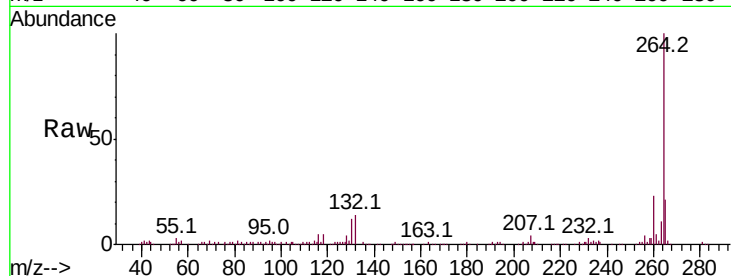




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.75 min Scan# 2280  
 Delta R.T. -0.01 min  
 Lab File: BF108660.D  
 Acq: 31 Aug 2018 00:21

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 228615 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.5  | 19.2  | 28.8   |
| 265      | 21.4  | 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

