

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\  
 Data File : BF108457.D  
 Acq On : 24 Aug 2018 8:39  
 Operator : JU/SJ  
 Sample : J4582-08  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082018-TIPC-E-U-M

Quant Time: Aug 24 11:01:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

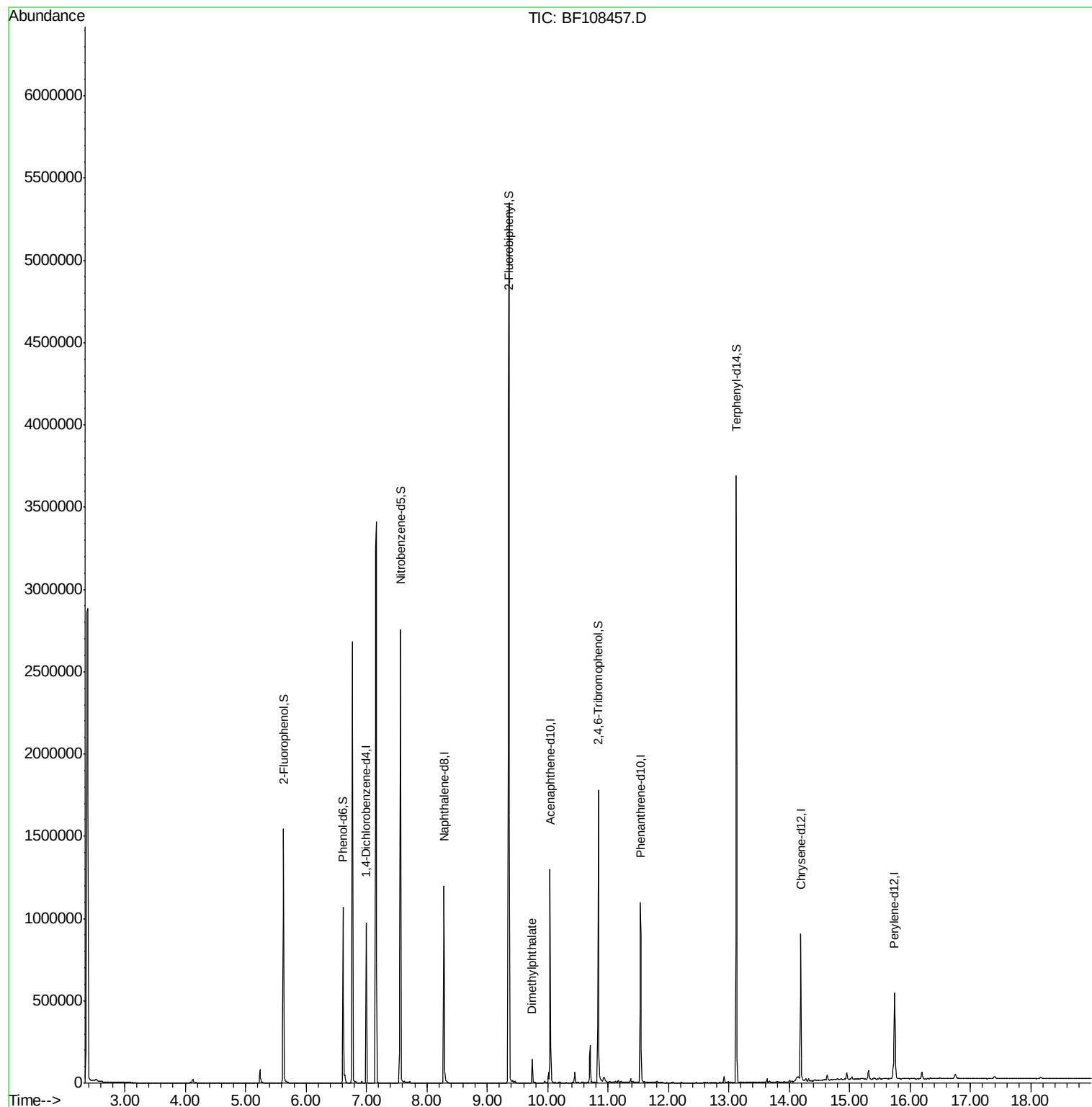
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 147054   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.28  | 136  | 530401   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.04 | 164  | 248205   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.54 | 188  | 404647   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.19 | 240  | 300463   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.74 | 264  | 261770   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 368364   | 45.35  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 308051   | 28.54  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 962824   | 101.30 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 208183   | 84.09  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.36  | 172  | 1692824  | 109.50 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.12 | 244  | 1225099  | 103.67 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.74  | 163  | 65565    | 3.792  | ng    | 99       |

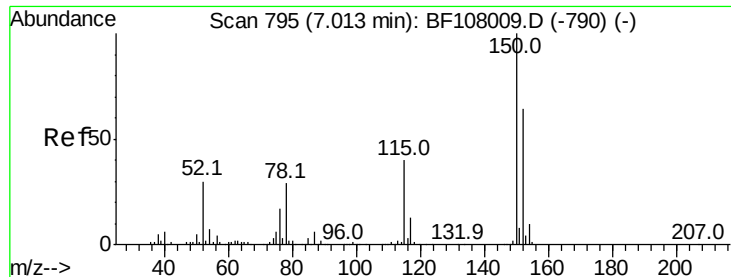
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 22 11:01:45 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.00 min Scan# 793

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

Instrument :

BNA\_F

ClientSampleId :

082018-TIPC-E-U-M

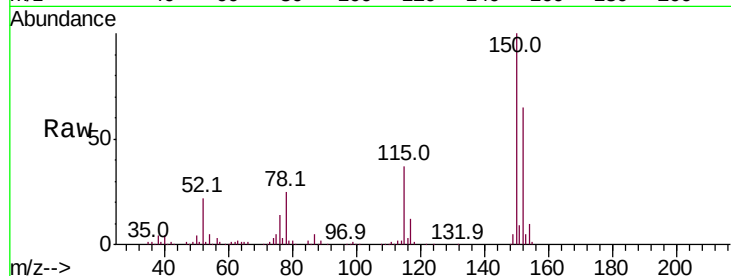
Tot Ion:152 Resp: 147054

Ion Ratio Lower Upper

152 100

150 153.5 124.6 186.8

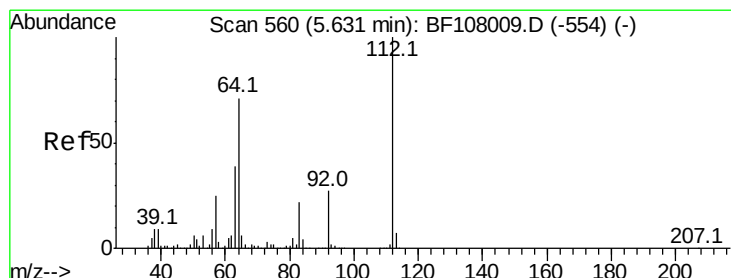
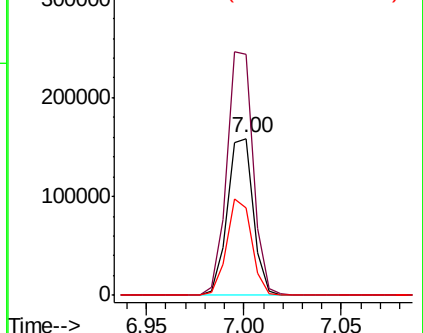
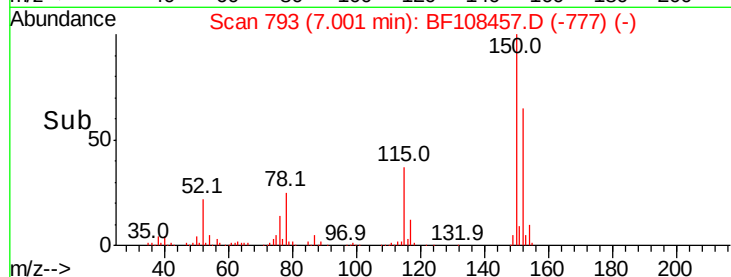
115 56.1 50.1 75.1



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: 45.351 ng

RT: 5.62 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

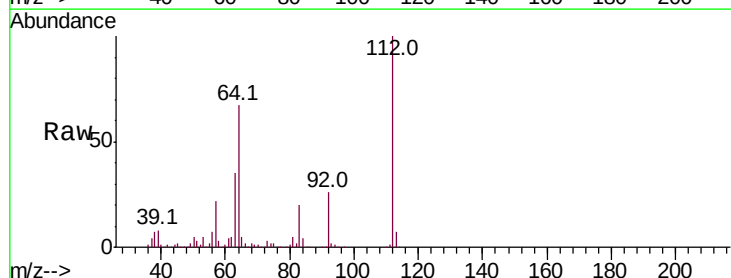
Tgt Ion:112 Resp: 368364

Ion Ratio Lower Upper

112 100

64 67.2 47.9 71.9

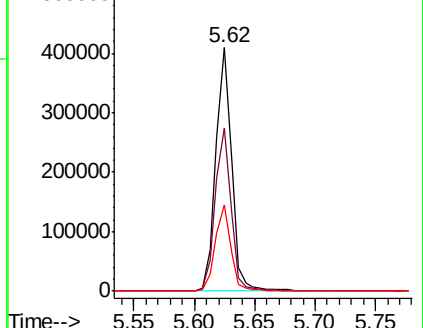
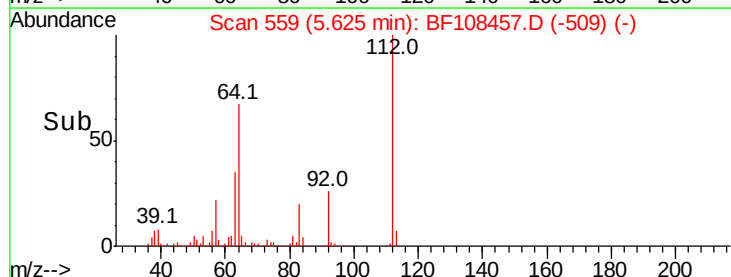
63 35.3 23.7 35.5

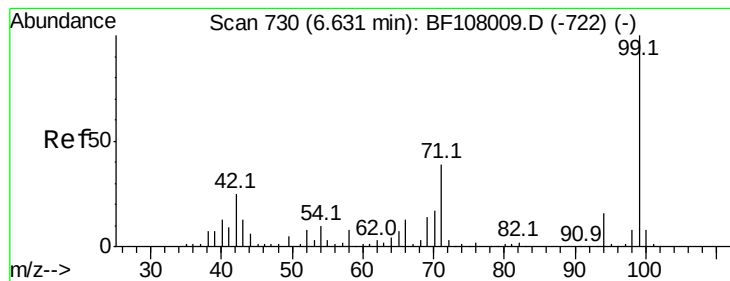


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 28.540 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

Instrument :

BNA\_F

ClientSampleId :

082018-TIPC-E-U-M

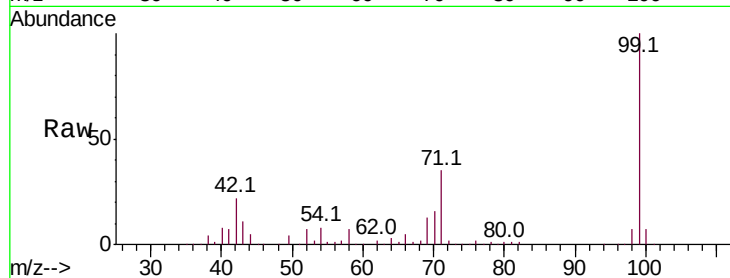
Tot Ion: 99 Resp: 308051

Ion Ratio Lower Upper

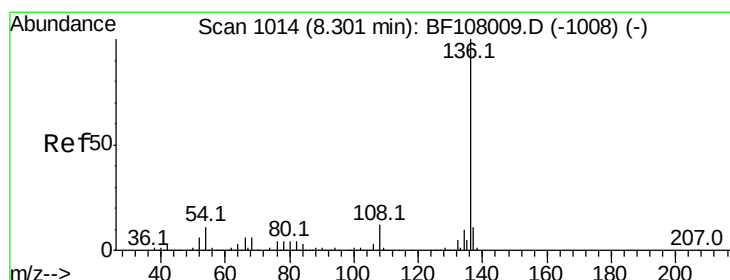
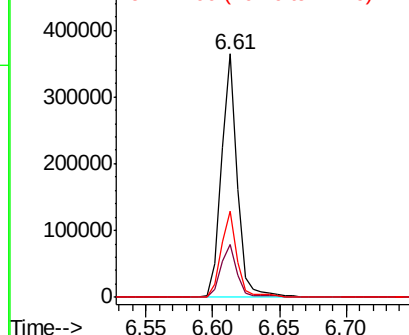
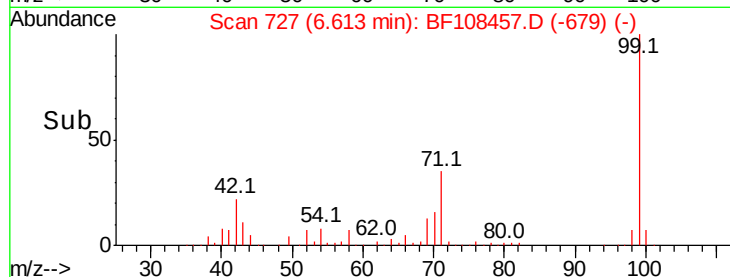
99 100

42 21.7 14.5 21.7#

71 35.4 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

Tgt Ion: 136 Resp: 530401

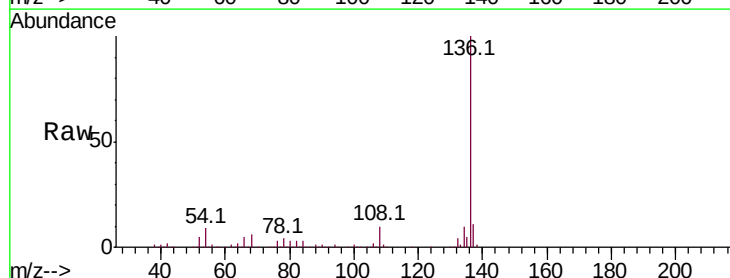
Ion Ratio Lower Upper

136 100

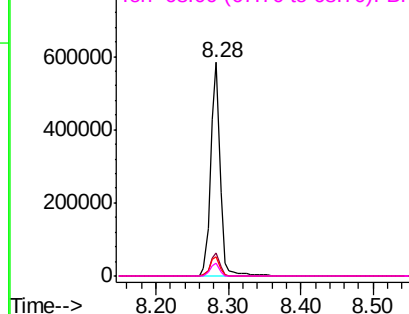
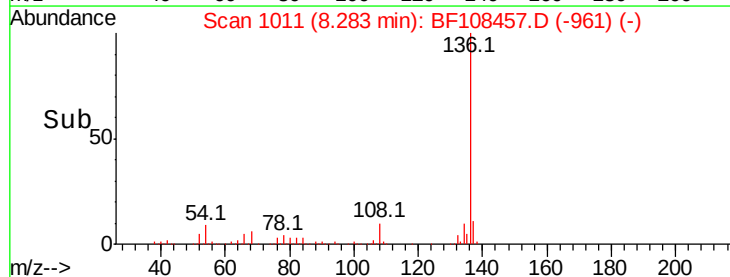
137 10.9 8.9 13.3

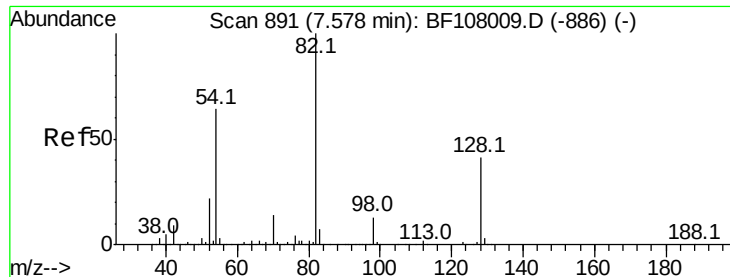
54 9.0 6.6 9.8

68 5.8 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

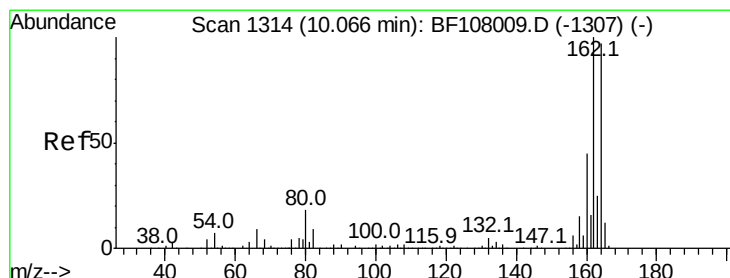
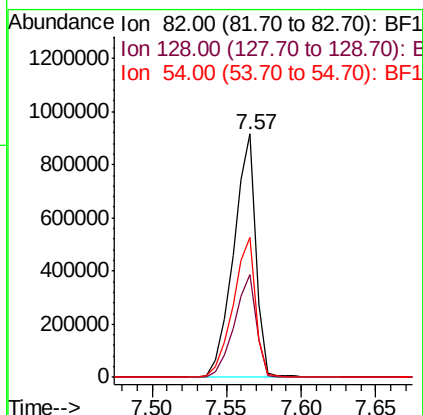
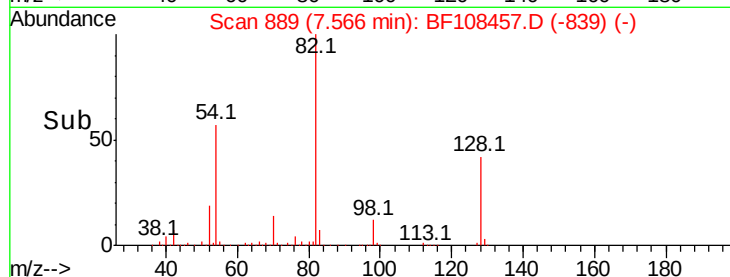
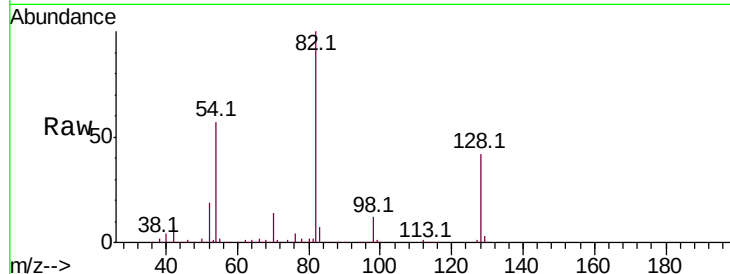




#23  
 Nitrobenzene-d5  
 Concen: 101.295 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF108457.D  
 Acq: 24 Aug 2018 8:39

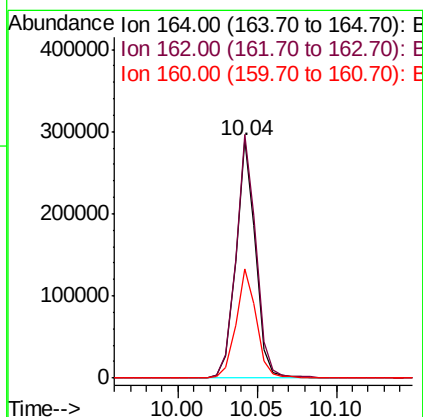
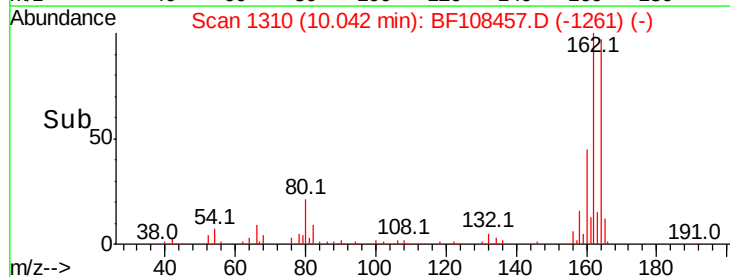
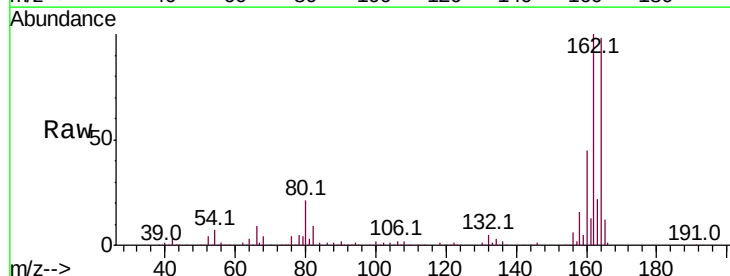
Instrument :  
 BNA\_F  
 ClientSampleId :  
 082018-TIPC-E-U-M

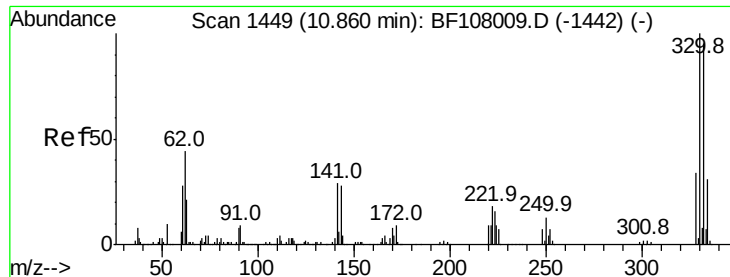
Tot Ion: 82 Resp: 962824  
 Ion Ratio Lower Upper  
 82 100  
 128 42.5 36.1 54.1  
 54 57.4 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.04 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF108457.D  
 Acq: 24 Aug 2018 8:39

Tgt Ion: 164 Resp: 248205  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 86.1 129.1  
 160 45.9 38.3 57.5

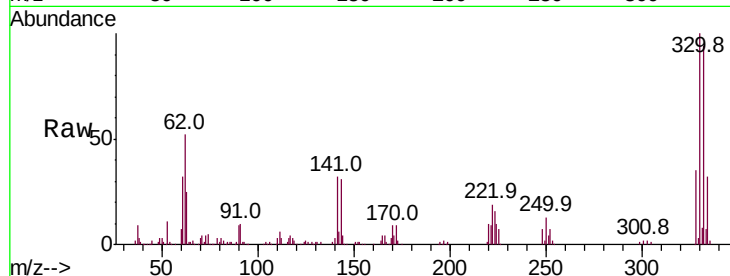




#41  
 2,4,6-Tribromophenol  
 Concen: 84.088 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108457.D  
 Acq: 24 Aug 2018 8:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082018-TIPC-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.5  | 77.0  | 115.6 |
| 141     | 31.8  | 29.9  | 44.9  |

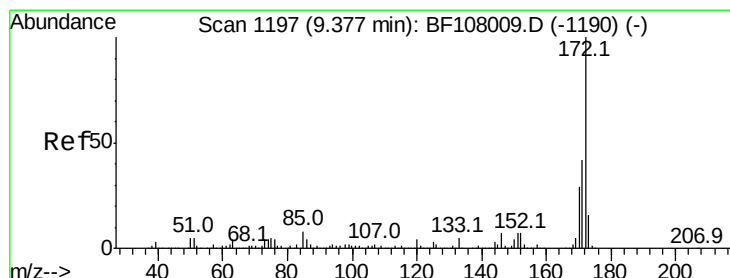
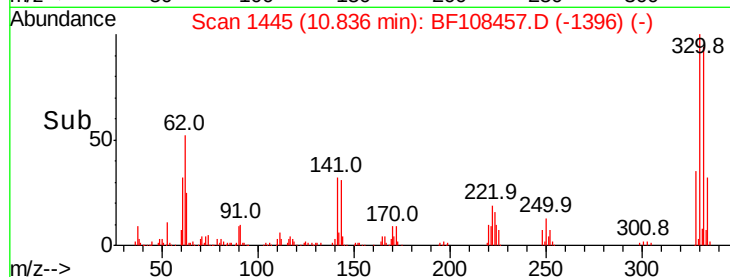
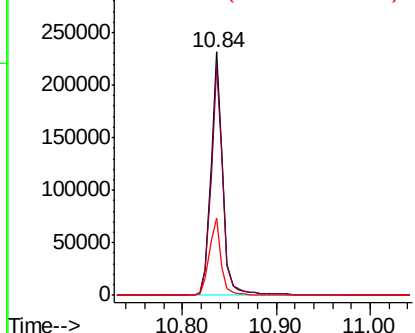


Abundance

Ion 329.80 (329.50 to 330.50): E

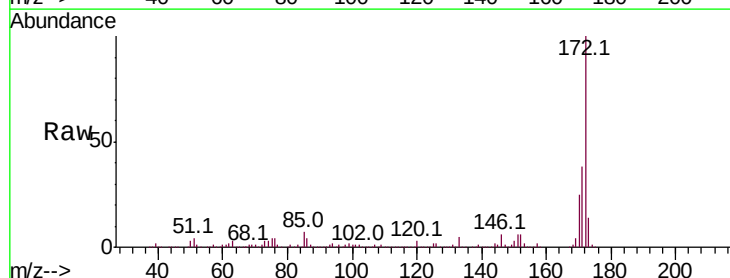
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 109.497 ng  
 RT: 9.36 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF108457.D  
 Acq: 24 Aug 2018 8:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 29.7  | 44.5  |
| 170     | 25.2  | 19.6  | 29.4  |

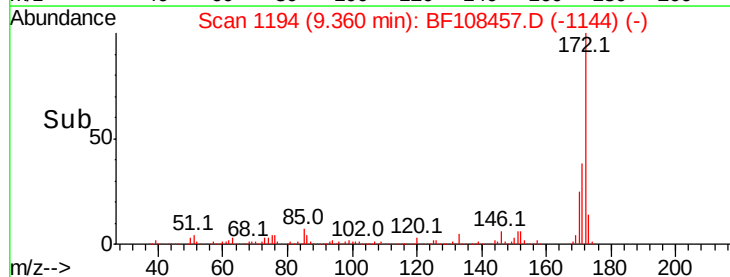
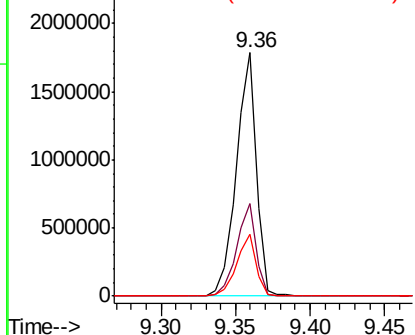


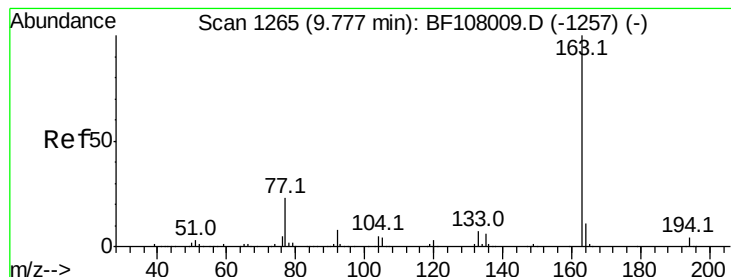
Abundance

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: 3.792 ng

RT: 9.74 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

Instrument :

BNA\_F

ClientSampleId :

082018-TIPC-E-U-M

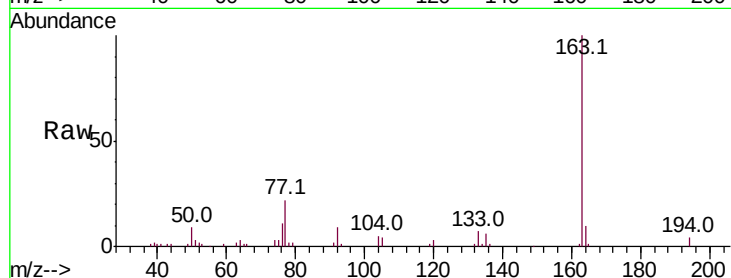
Tot Ion:163 Resp: 65565

Ion Ratio Lower Upper

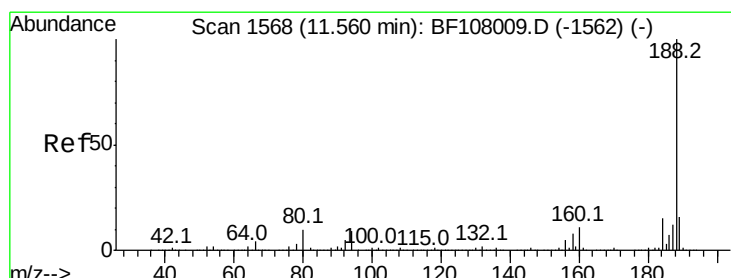
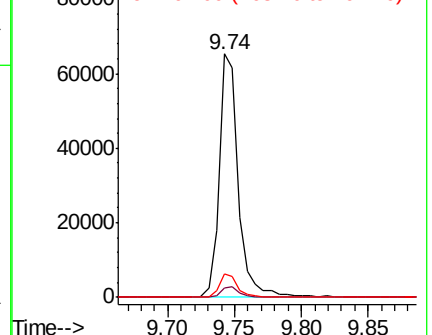
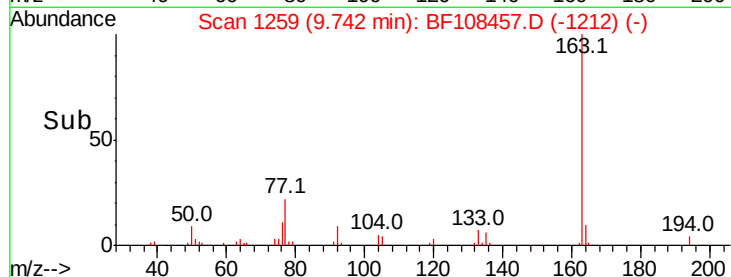
163 100

194 3.6 2.7 4.1

164 9.7 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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

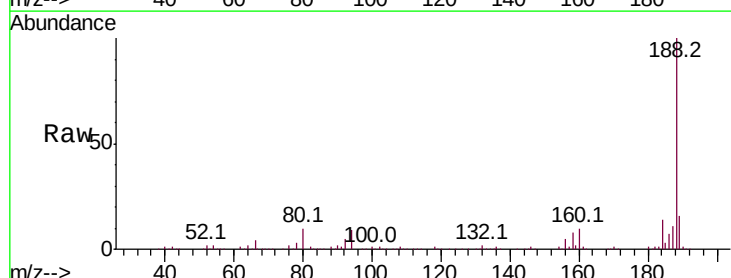
Tgt Ion:188 Resp: 404647

Ion Ratio Lower Upper

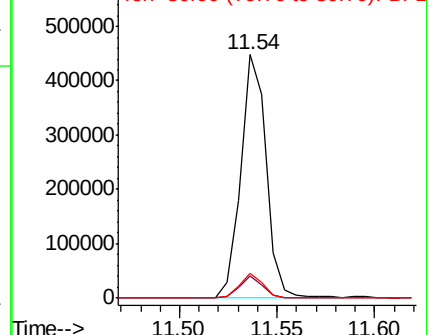
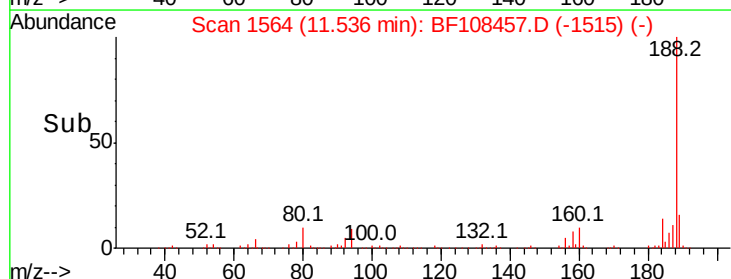
188 100

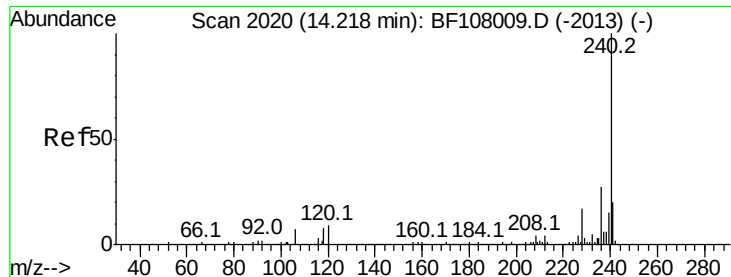
94 9.1 8.5 12.7

80 10.0 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# 2015

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

Instrument :

BNA\_F

ClientSampleId :

082018-TIPC-E-U-M

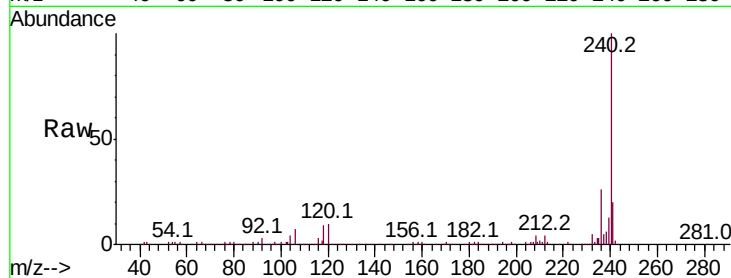
Tot Ion:240 Resp: 300463

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

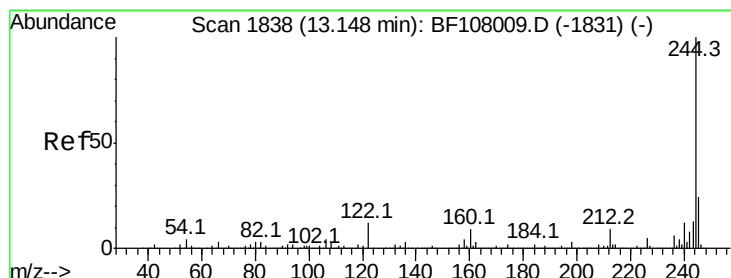
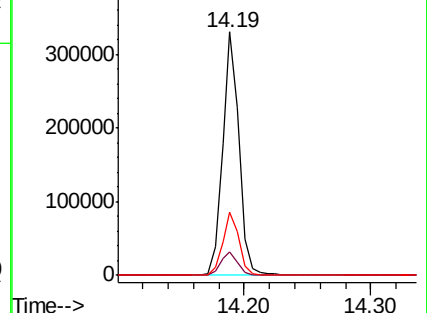
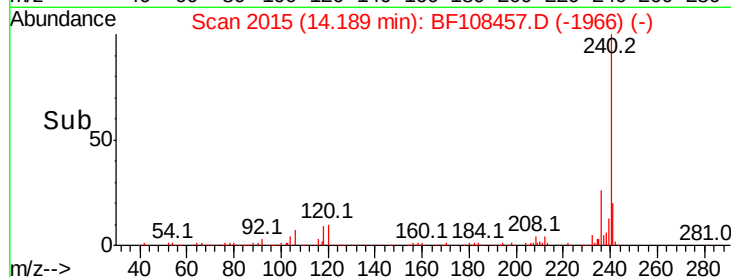
236 25.8 20.7 31.1



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: 103.670 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108457.D

Acq: 24 Aug 2018 8:39

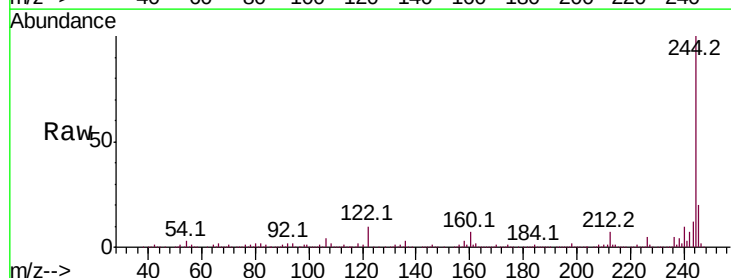
Tgt Ion:244 Resp: 1225099

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

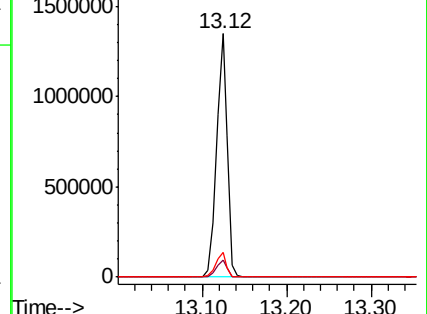
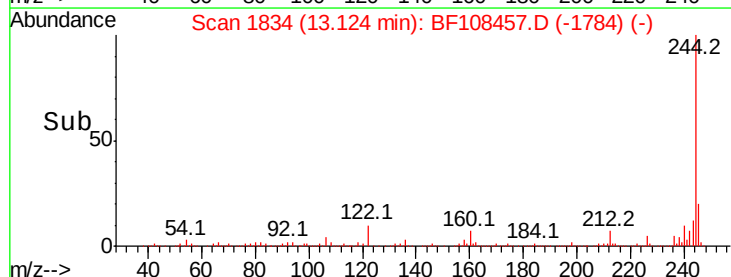
122 10.3 11.0 16.4#



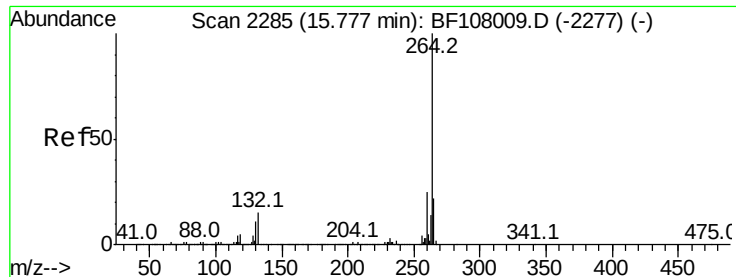
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.74 min Scan# 2279  
Delta R.T. -0.02 min  
Lab File: BF108457.D  
Acq: 24 Aug 2018 8:39

Instrument :  
BNA\_F  
ClientSampleId :  
082018-TIPC-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |

