

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\  
 Data File : BF108859.D  
 Acq On : 7 Sep 2018 14:38  
 Operator : JU/SJ  
 Sample : PB112638BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112638BL

Quant Time: Sep 07 15:04:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 216941   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 820143   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.77  | 164  | 401002   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.24 | 188  | 768077   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 550379   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.27 | 264  | 482971   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 1281714  | 97.88  | ng    | 0.02     |
| 7) Phenol-d6                | 6.37  | 99   | 1622242  | 96.28  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1033930  | 78.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.55 | 330  | 383930   | 100.29 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1813924  | 77.17  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 1841622  | 78.03  | ng    | 0.00     |

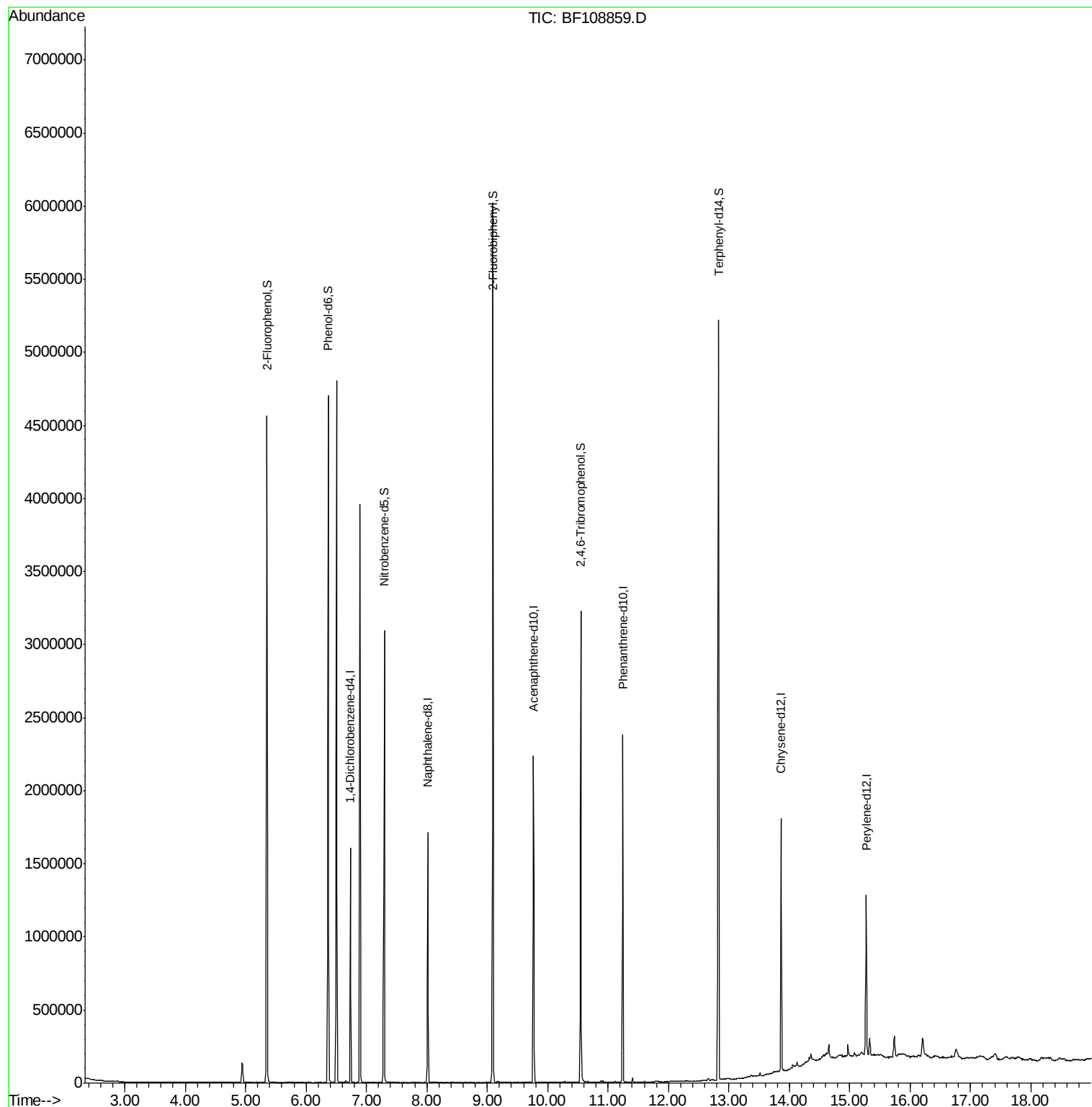
Target Compounds Qvalue

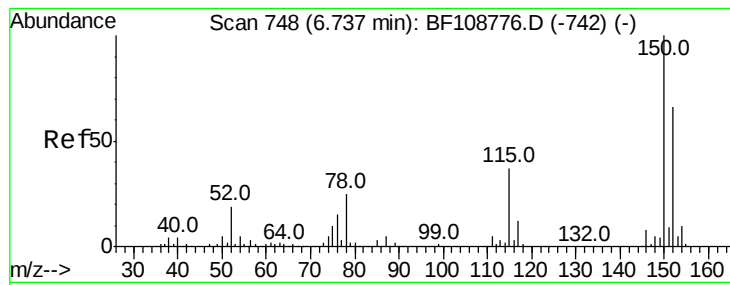
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 15:04:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration



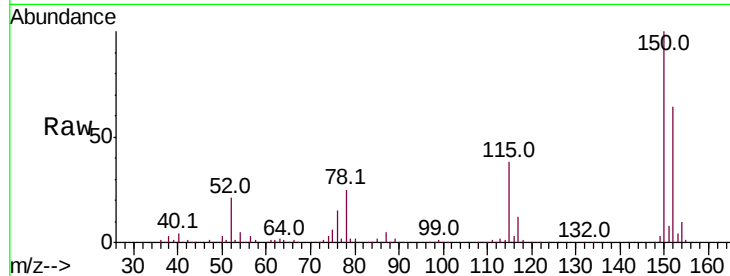


#1

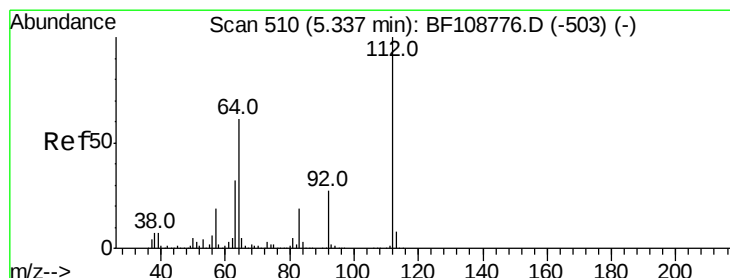
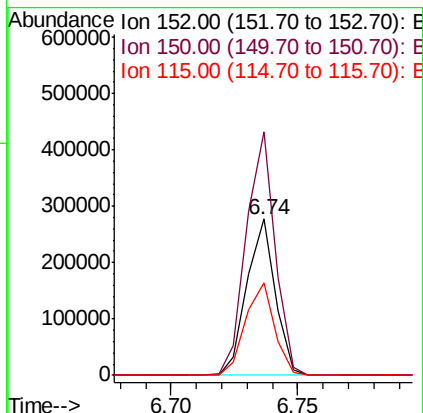
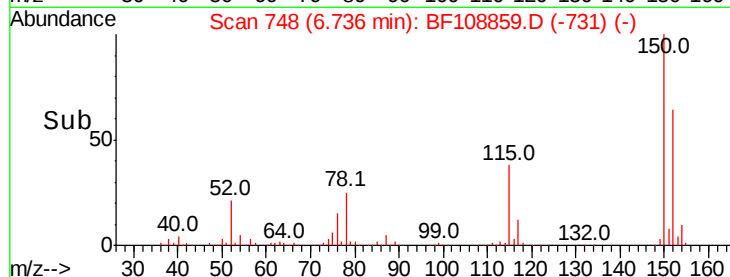
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. -0.00 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112638BL

Tot Ion:152 Resp: 216941  
Ion Ratio Lower Upper  
152 100  
150 155.7 124.6 186.8  
115 59.3 50.1 75.1



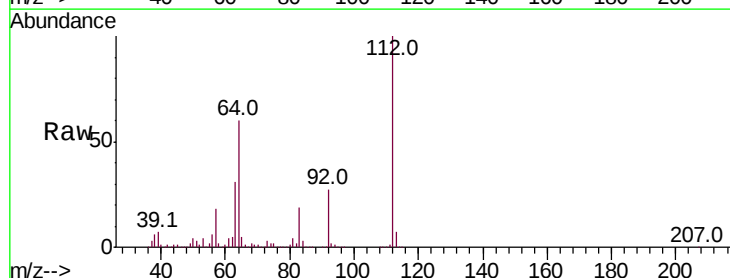
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



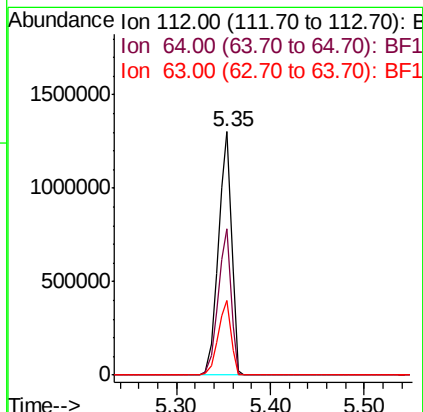
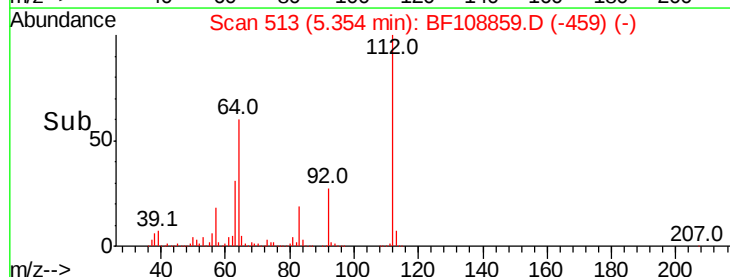
#5

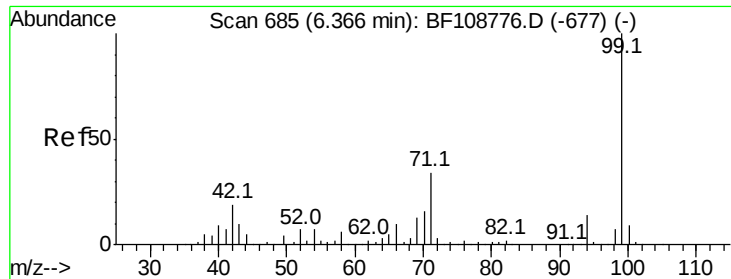
2-Fluorophenol  
Concen: 97.878 ng  
RT: 5.35 min Scan# 513  
Delta R.T. 0.02 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Tgt Ion:112 Resp: 1281714  
Ion Ratio Lower Upper  
112 100  
64 60.3 47.9 71.9  
63 30.9 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: 96.282 ng

RT: 6.37 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF108859.D

Acq: 7 Sep 2018 14:38

Instrument :

BNA\_F

ClientSampleId :

PB112638BL

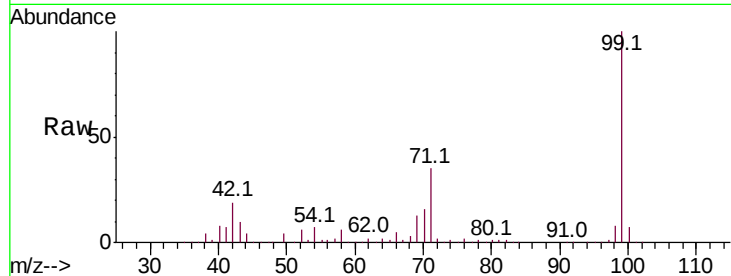
Tot Ion: 99 Resp: 1622242

Ion Ratio Lower Upper

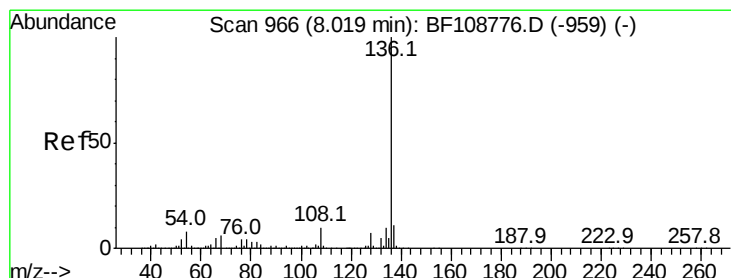
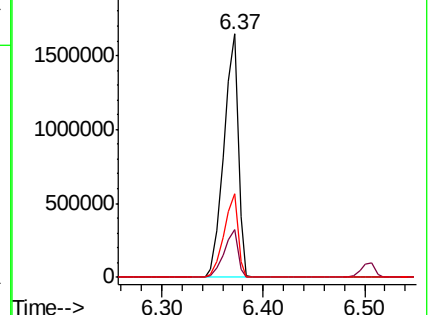
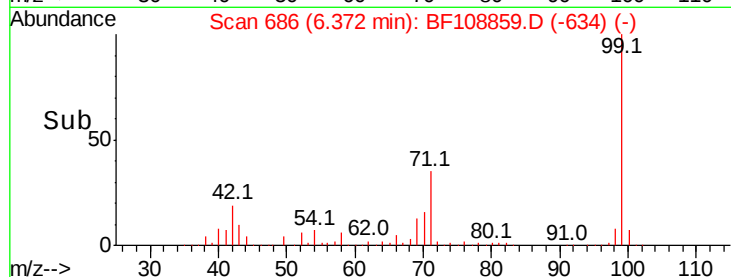
99 100

42 19.5 14.5 21.7

71 34.6 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: 8.02 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF108859.D

Acq: 7 Sep 2018 14:38

Tgt Ion:136 Resp: 820143

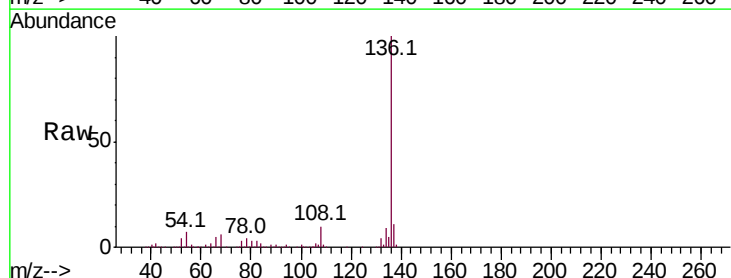
Ion Ratio Lower Upper

136 100

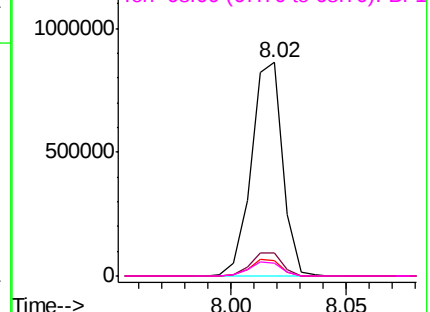
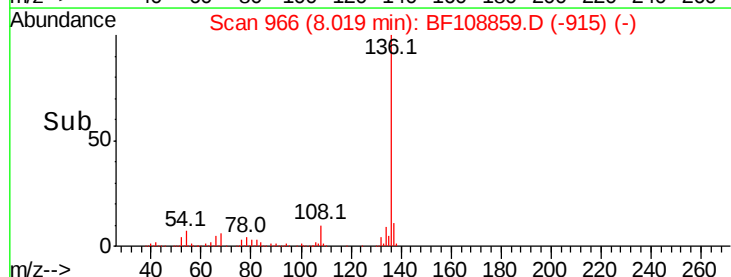
137 11.0 8.9 13.3

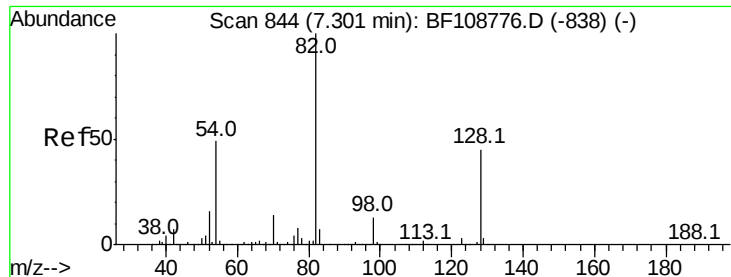
54 7.2 6.6 9.8

68 6.2 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

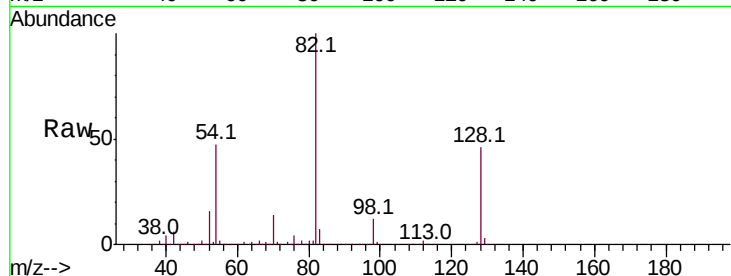




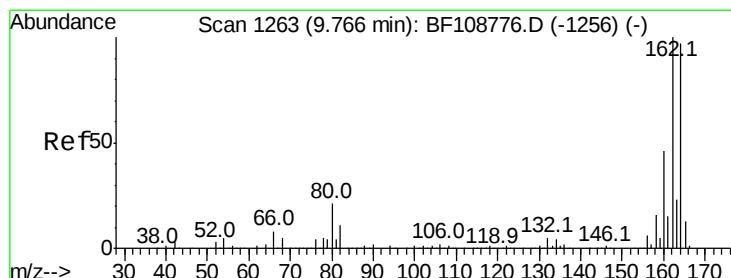
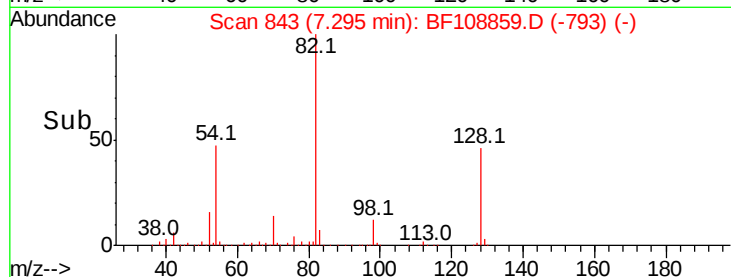
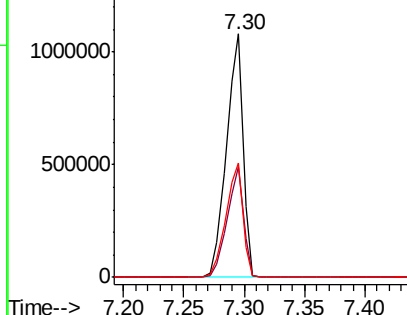
#23  
Nitrobenzene-d5  
Concen: 78.894 ng  
RT: 7.30 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112638BL

Tot Ion: 82 Resp: 1033930  
Ion Ratio Lower Upper  
82 100  
128 45.5 36.1 54.1  
54 47.0 41.4 62.2

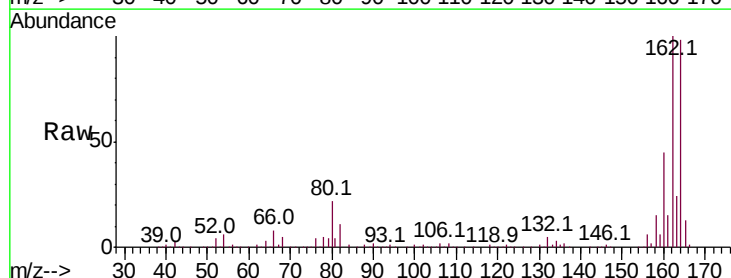


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

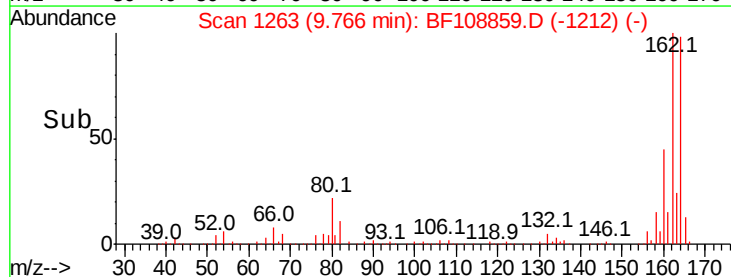
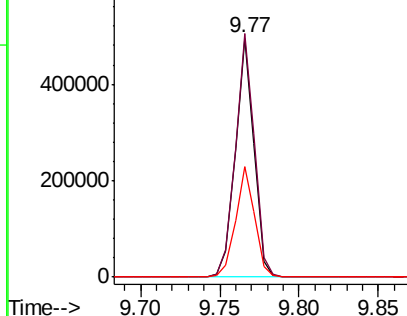


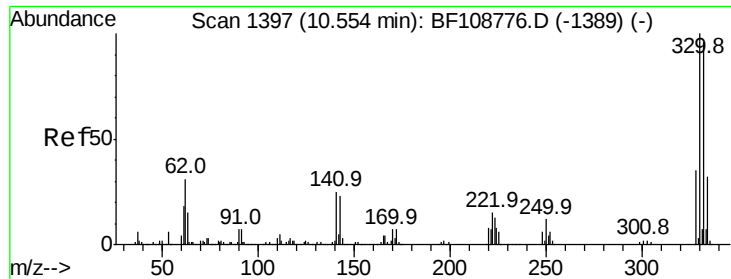
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1263  
Delta R.T. -0.00 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Tgt Ion:164 Resp: 401002  
Ion Ratio Lower Upper  
164 100  
162 102.0 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

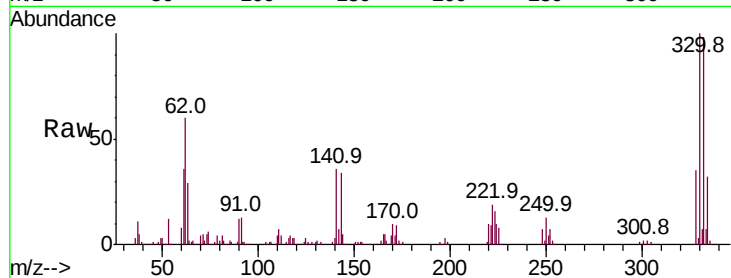




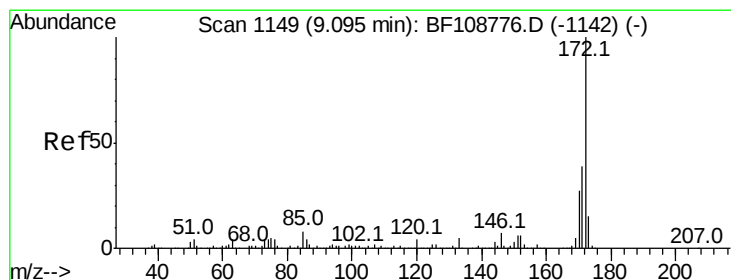
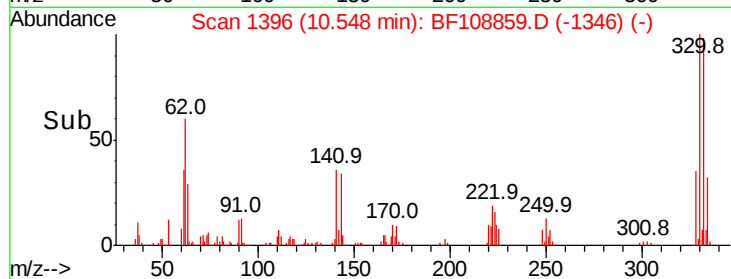
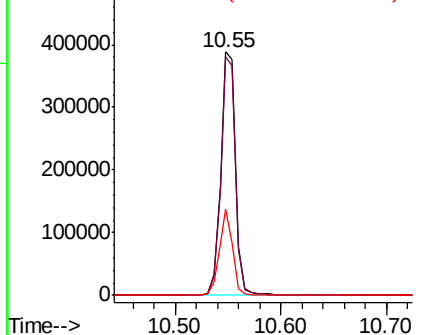
#41  
 2,4,6-Tribromophenol  
 Concen: 100.291 ng  
 RT: 10.55 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF108859.D  
 Acq: 7 Sep 2018 14:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB112638BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.0  | 115.6 |
| 141     | 31.9  | 29.9  | 44.9  |

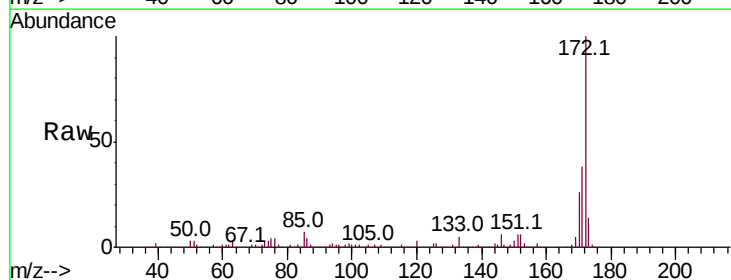


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

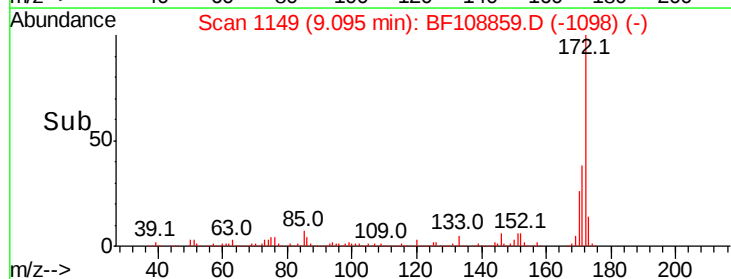
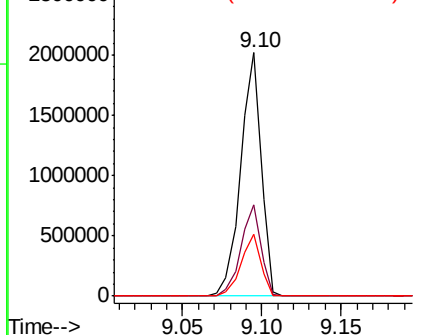


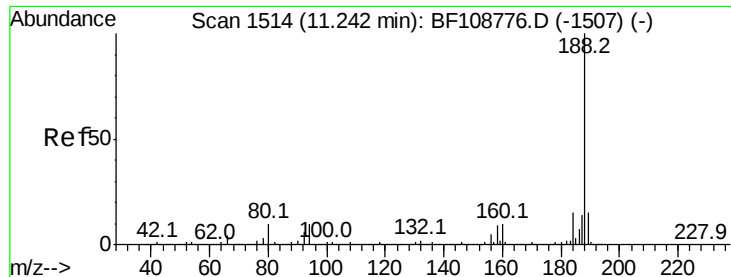
#44  
 2-Fluorobiphenyl  
 Concen: 77.170 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108859.D  
 Acq: 7 Sep 2018 14:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 29.7  | 44.5  |
| 170     | 25.6  | 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

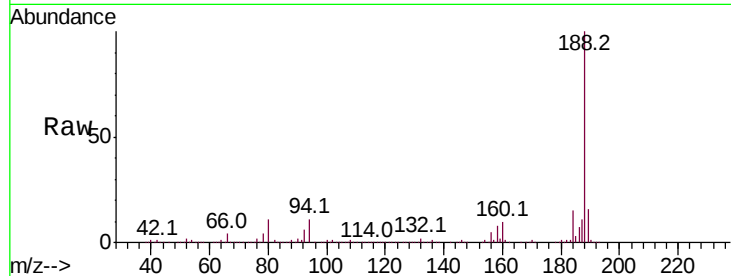




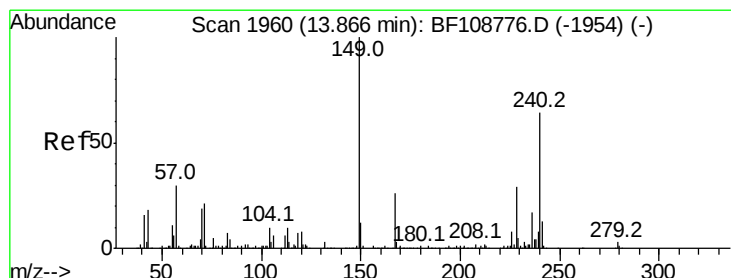
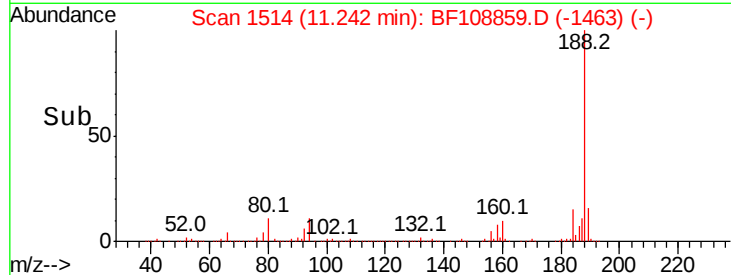
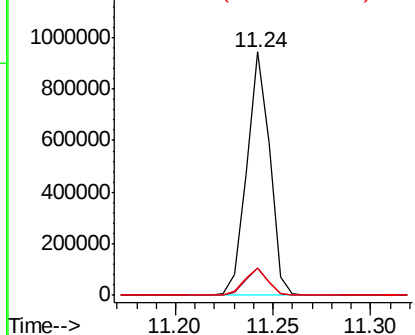
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1514  
Delta R.T. -0.00 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB112638BL

Tot Ion:188 Resp: 768077  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.5 12.7  
80 11.4 9.2 13.8

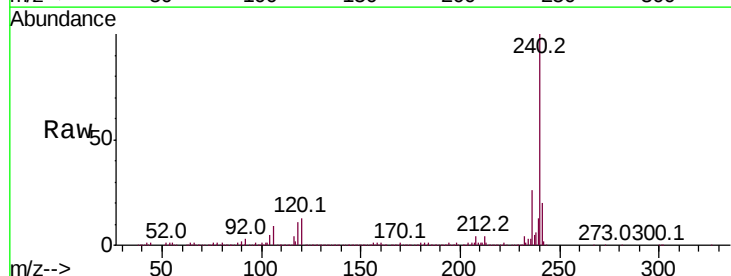


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

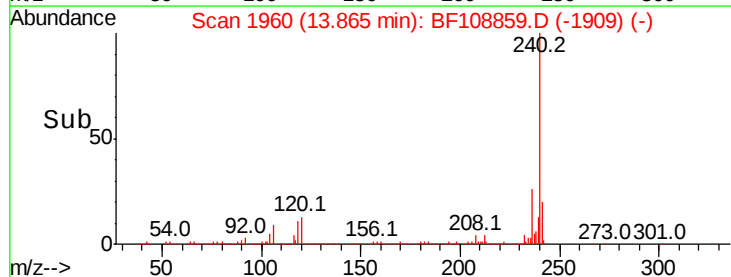
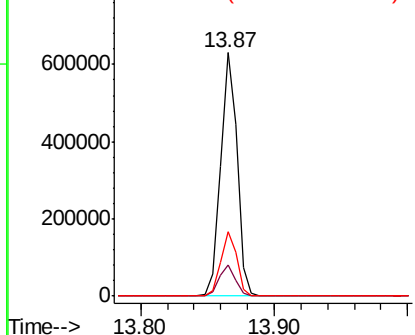


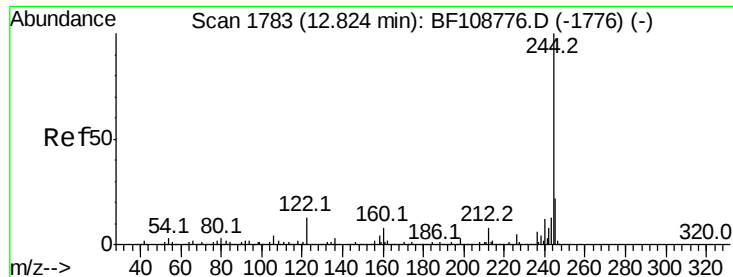
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 1960  
Delta R.T. -0.00 min  
Lab File: BF108859.D  
Acq: 7 Sep 2018 14:38

Tgt Ion:240 Resp: 550379  
Ion Ratio Lower Upper  
240 100  
120 13.0 9.5 14.3  
236 26.4 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

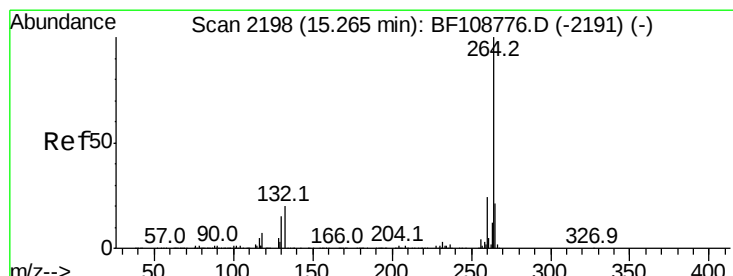
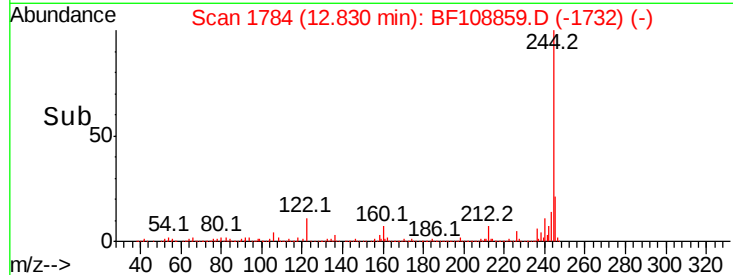
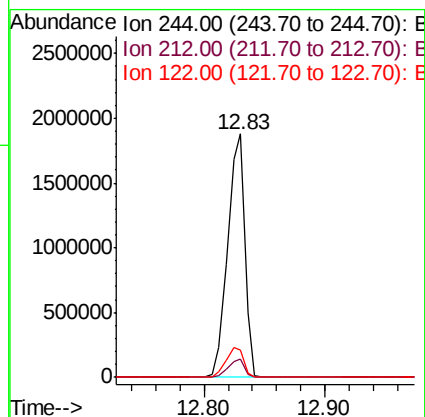
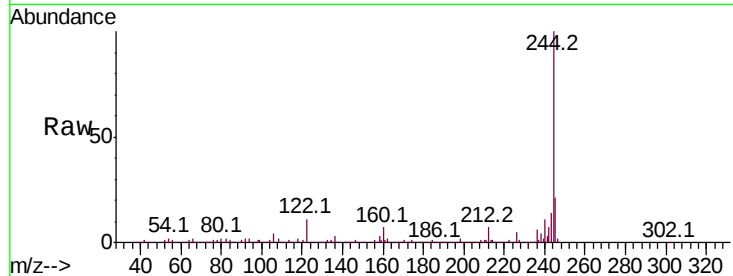




#78  
 Terphenyl-d14  
 Concen: 78.028 ng  
 RT: 12.83 min Scan# 1784  
 Delta R.T. 0.01 min  
 Lab File: BF108859.D  
 Acq: 7 Sep 2018 14:38

Instrument :  
 BNA\_F  
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 PB112638BL

Tot Ion:244 Resp: 1841622  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.4 8.0  
 122 11.3 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.27 min Scan# 2199  
 Delta R.T. 0.01 min  
 Lab File: BF108859.D  
 Acq: 7 Sep 2018 14:38

Tgt Ion:264 Resp: 482971  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 21.9 17.5 26.3

