

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\  
 Data File : BF108623.D  
 Acq On : 30 Aug 2018 00:42  
 Operator : JU/SJ  
 Sample : J4683-14  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-DBRI-F-U-S

Quant Time: Aug 30 03:18:26 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

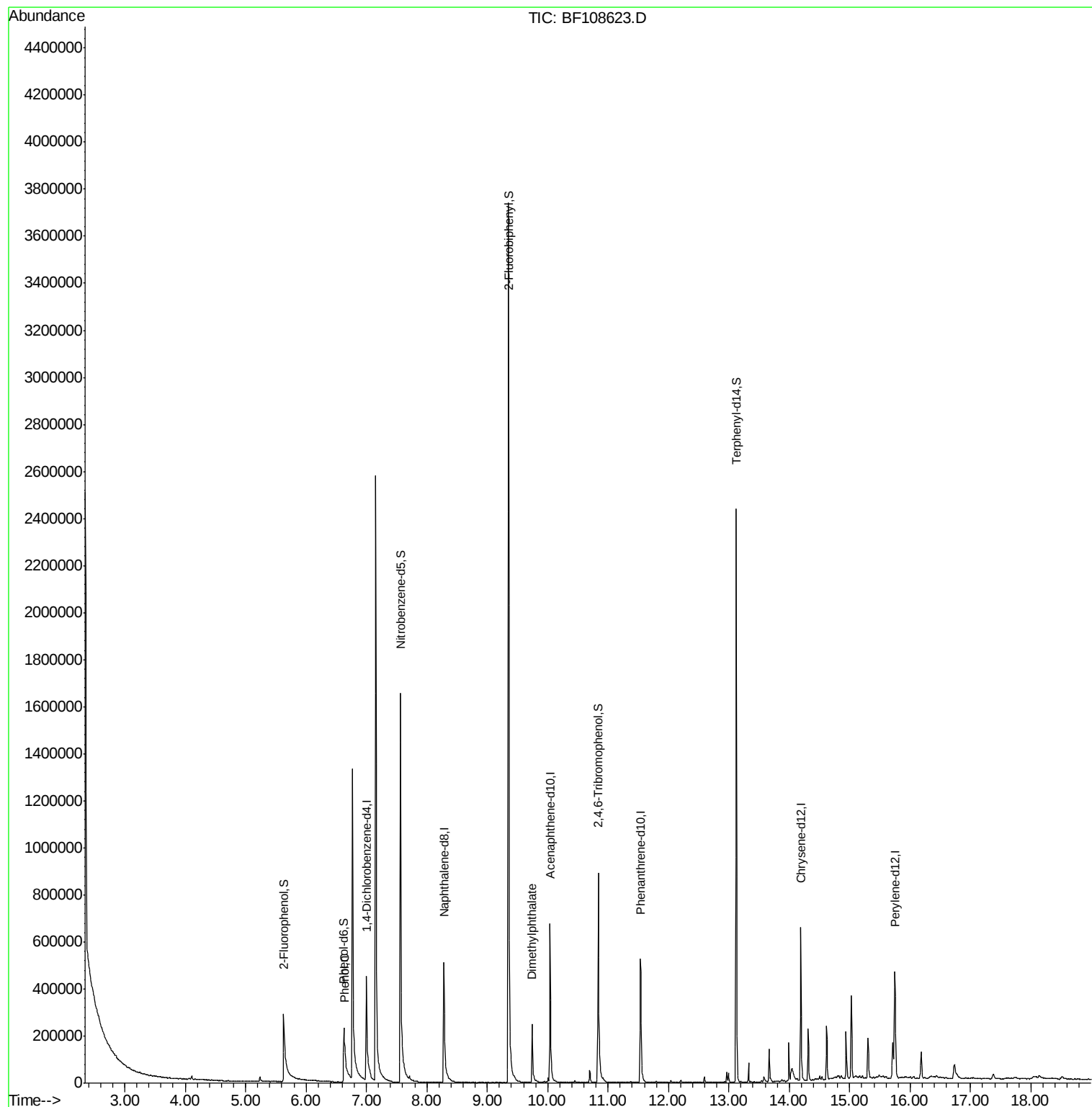
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 112216   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.28  | 136  | 407073   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 10.04 | 164  | 167637   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.54 | 188  | 271827   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 14.19 | 240  | 259955   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.75 | 264  | 257449   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.64  | 112  | 216848   | 34.99  | ng    | 0.00        |
| 7) Phenol-d6                | 6.62  | 99   | 215623   | 26.18  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 786986   | 107.88 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 154689   | 92.51  | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 1344950  | 128.81 | ng    | -0.01       |
| 78) Terphenyl-d14           | 13.12 | 244  | 954432   | 93.35  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 10) Phenol                  | 6.65  | 94   | 19965    | 2.343  | ng    | Qvalue # 54 |
| 49) Dimethylphthalate       | 9.74  | 163  | 147448   | 12.627 | ng    | 100         |

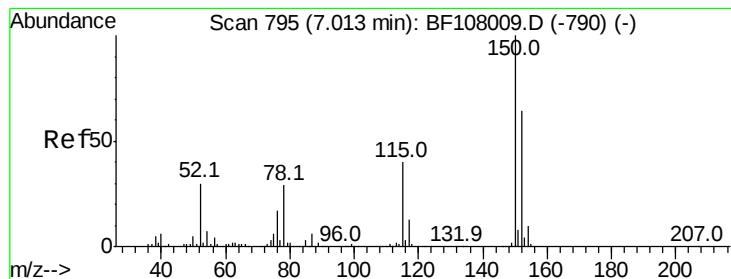
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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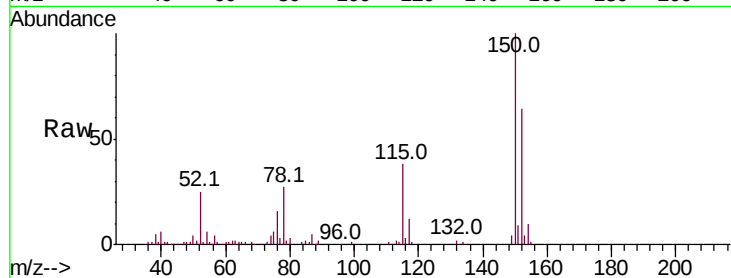


#1

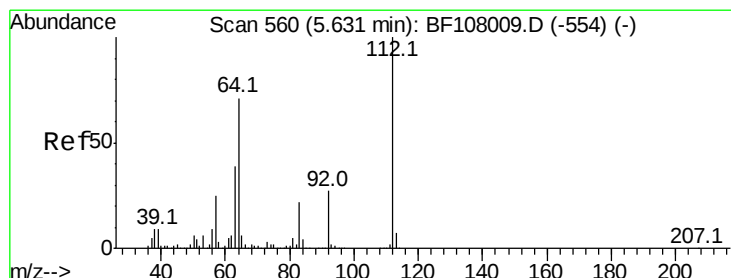
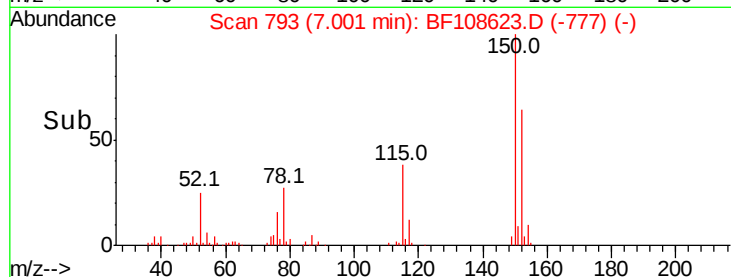
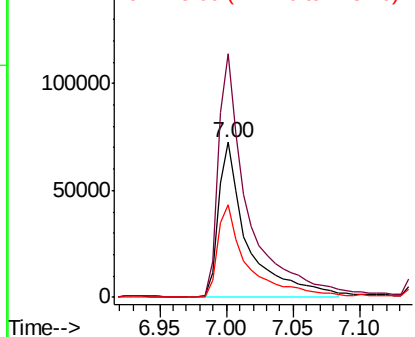
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108623.D  
Acq: 30 Aug 2018 00:42

Instrument :  
BNA\_F  
ClientSampleId :  
082718-DBRI-F-U-S

Tot Ion:152 Resp: 112216  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.6 186.8  
115 59.5 50.1 75.1



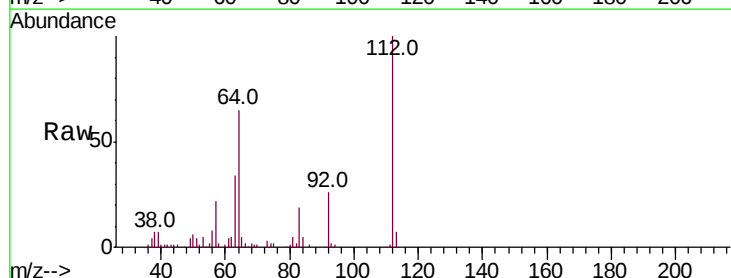
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



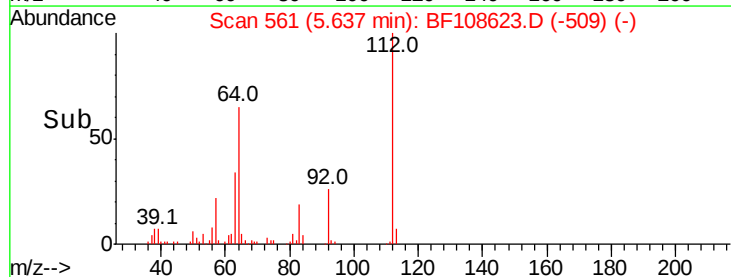
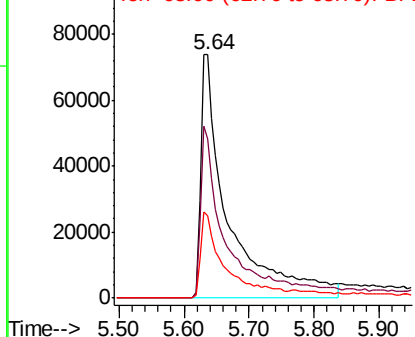
#5

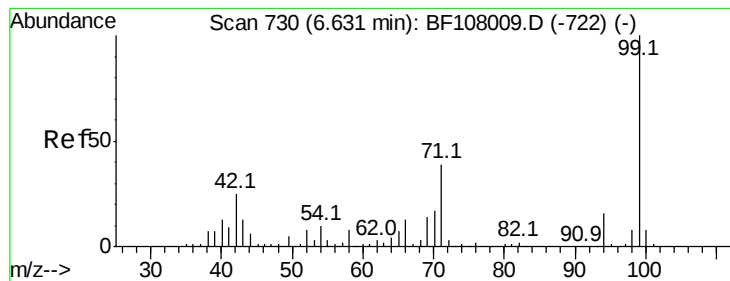
2-Fluorophenol  
Concen: 34.986 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108623.D  
Acq: 30 Aug 2018 00:42

Tgt Ion:112 Resp: 216848  
Ion Ratio Lower Upper  
112 100  
64 65.4 47.9 71.9  
63 33.7 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: 26.179 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

Instrument :

BNA\_F

ClientSampleId :

082718-DBRI-F-U-S

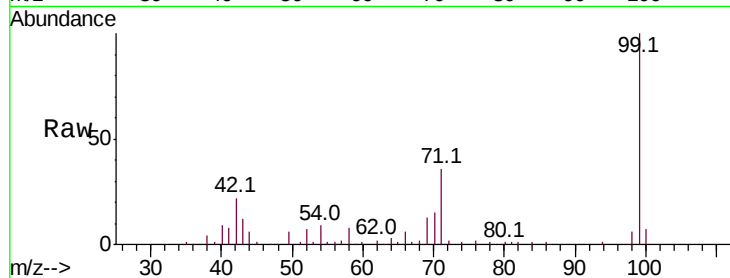
Tot Ion: 99 Resp: 215623

Ion Ratio Lower Upper

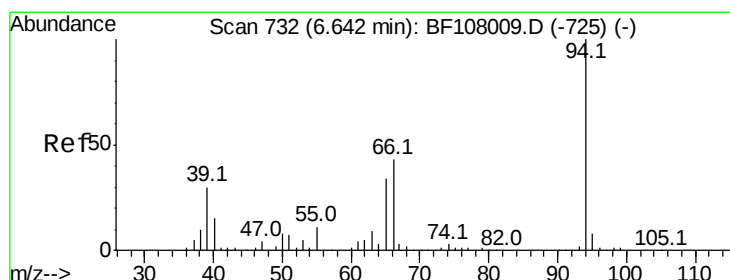
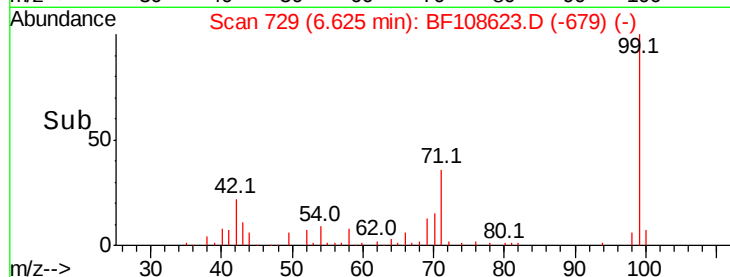
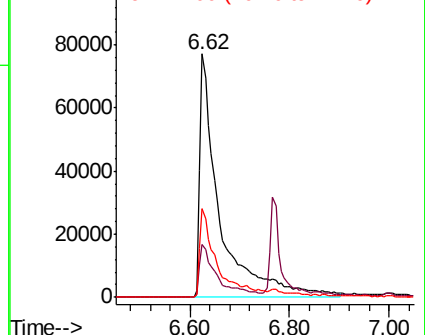
99 100

42 22.0 14.5 21.7#

71 36.5 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



#10

Phenol

Concen: 2.343 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

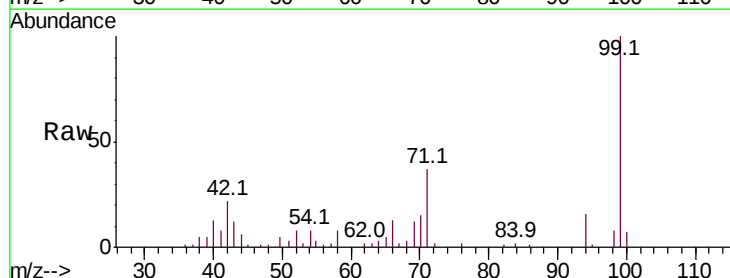
Tgt Ion: 94 Resp: 19965

Ion Ratio Lower Upper

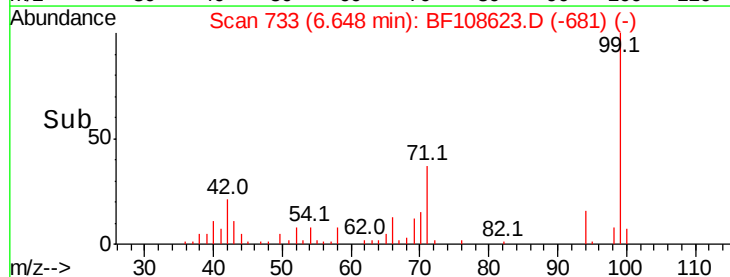
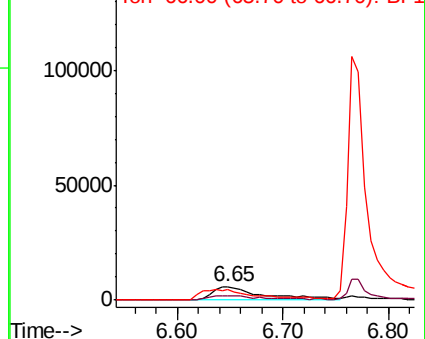
94 100

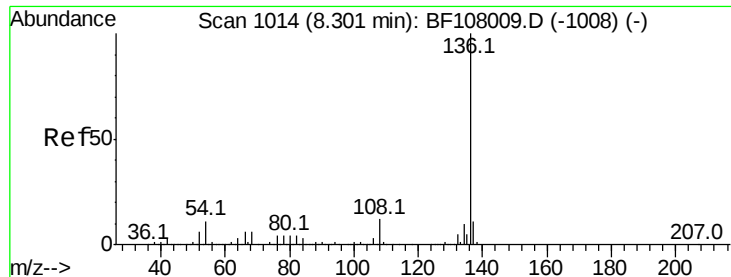
65 33.6 7.9 47.9

66 79.1 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

Instrument :

BNA\_F

ClientSampleId :

082718-DBRI-F-U-S

Tot Ion:136 Resp: 407073

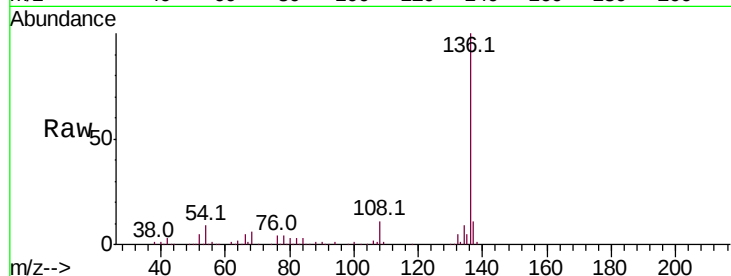
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.8 6.6 9.8

68 5.5 5.0 7.4

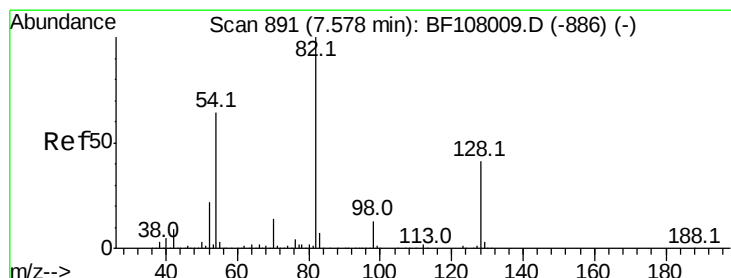
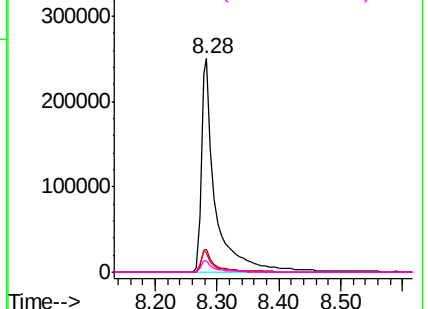
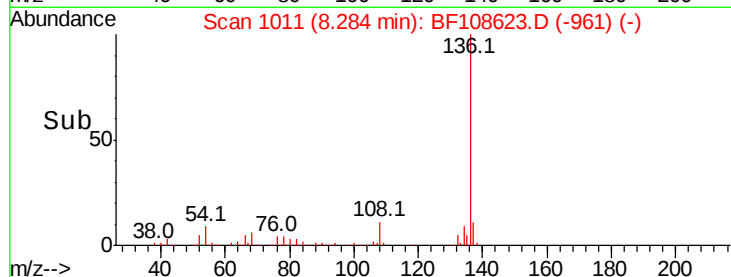


Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.880 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

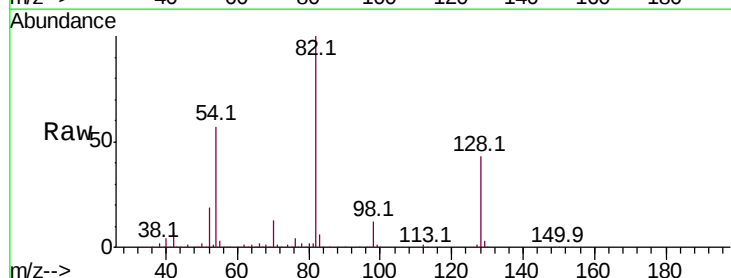
Tgt Ion: 82 Resp: 786986

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

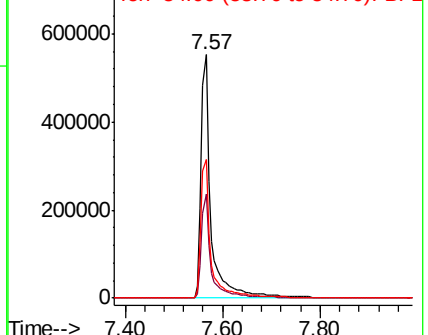
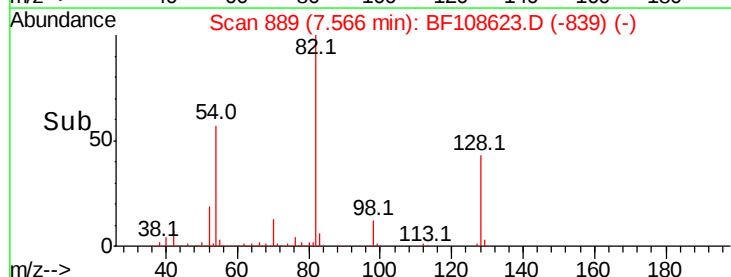
54 56.9 41.4 62.2

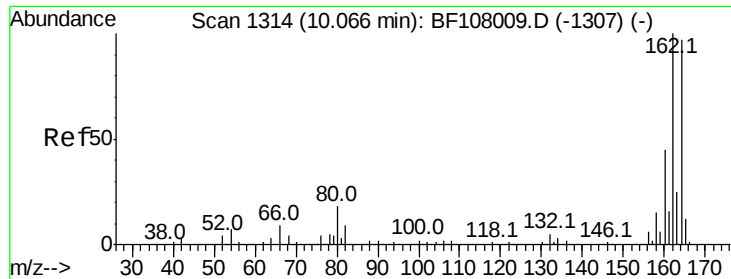


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

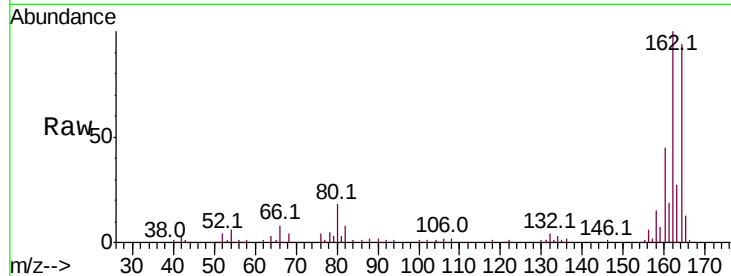




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.04 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF108623.D  
 Acq: 30 Aug 2018 00:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-DBRI-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.0 | 86.1  | 129.1 |
| 160     | 47.2  | 38.3  | 57.5  |

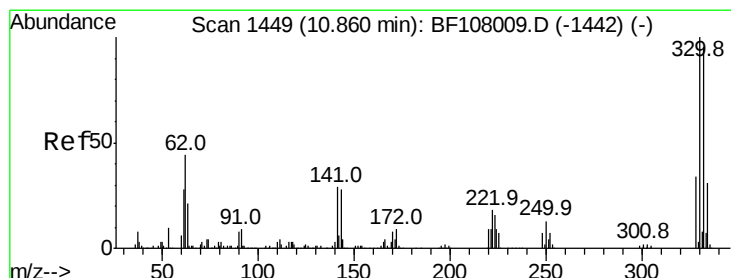
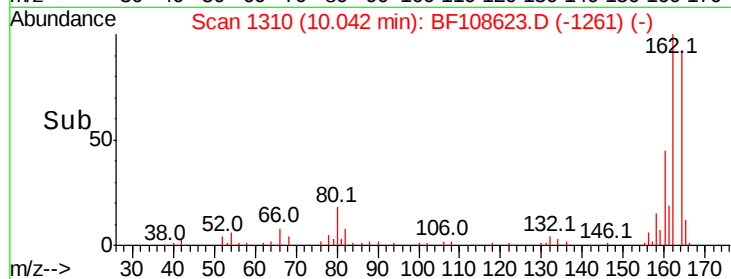
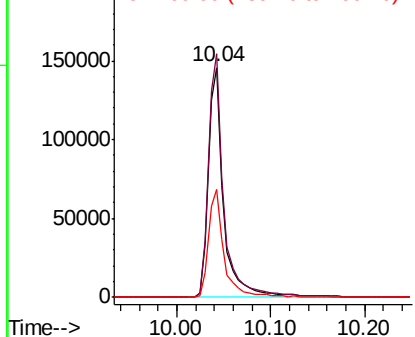


Abundance

Ion 164.00 (163.70 to 164.70): E

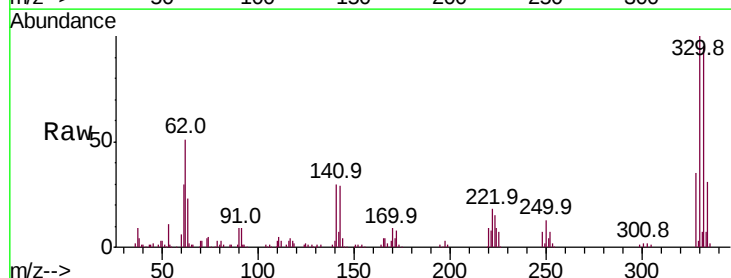
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41  
 2,4,6-Tribromophenol  
 Concen: 92.510 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108623.D  
 Acq: 30 Aug 2018 00:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 77.0  | 115.6 |
| 141     | 33.0  | 29.9  | 44.9  |

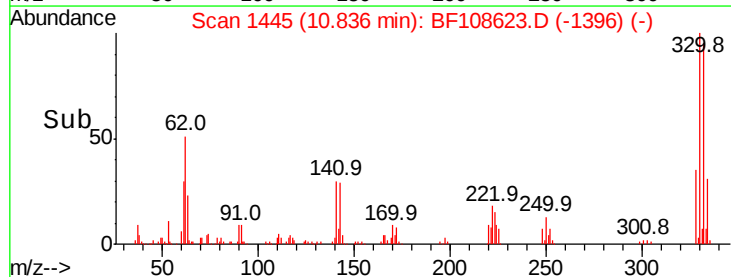
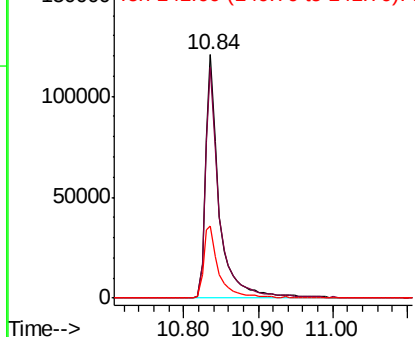


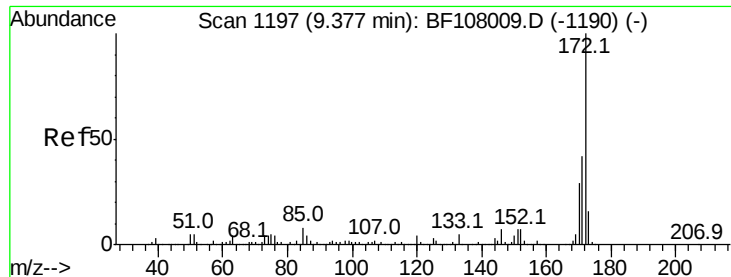
Abundance

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: 128.807 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

Instrument :

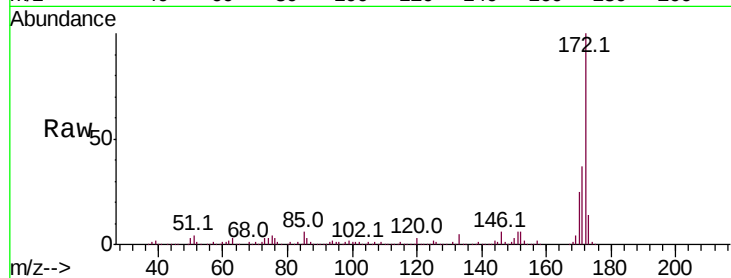
BNA\_F

ClientSampleId :

082718-DBRI-F-U-S

Tot Ion:172 Resp: 1344950

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.6  | 29.7  | 44.5  |
| 170 | 24.6  | 19.6  | 29.4  |

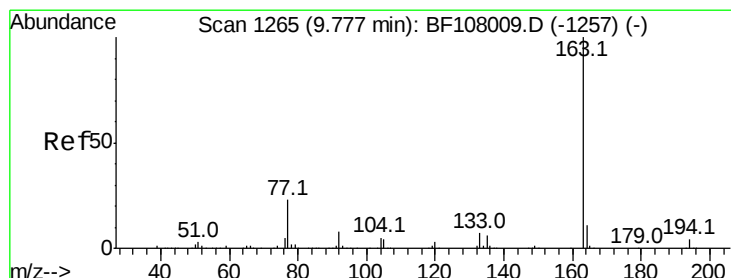
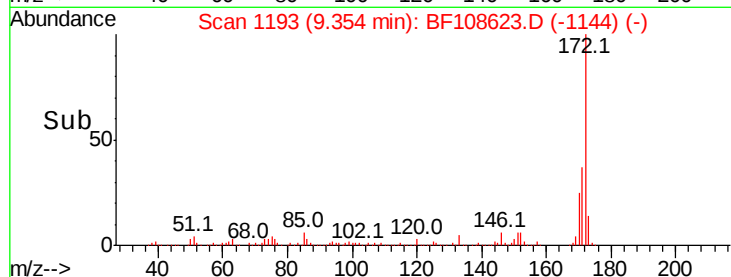
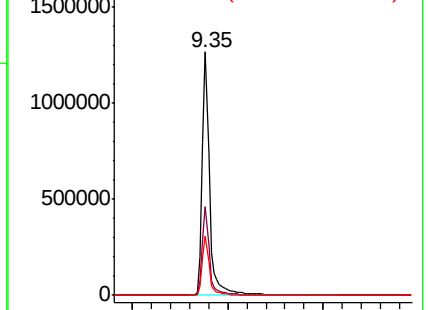


Abundance

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



#49

Dimethylphthalate

Concen: 12.627 ng

RT: 9.74 min Scan# 1259

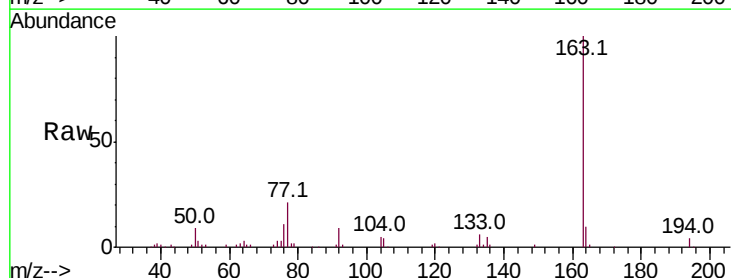
Delta R.T. -0.02 min

Lab File: BF108623.D

Acq: 30 Aug 2018 00:42

Tgt Ion:163 Resp: 147448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.7   | 2.7   | 4.1   |
| 164 | 10.2  | 8.2   | 12.2  |

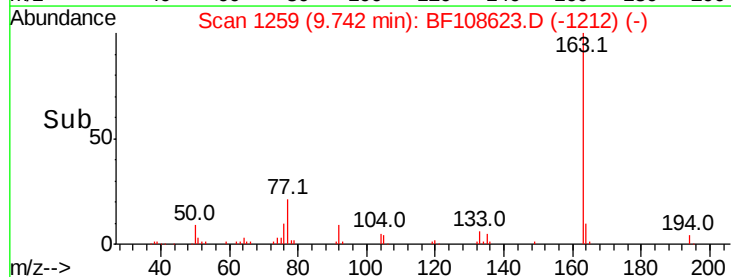
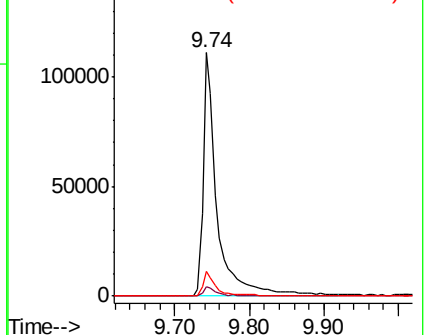


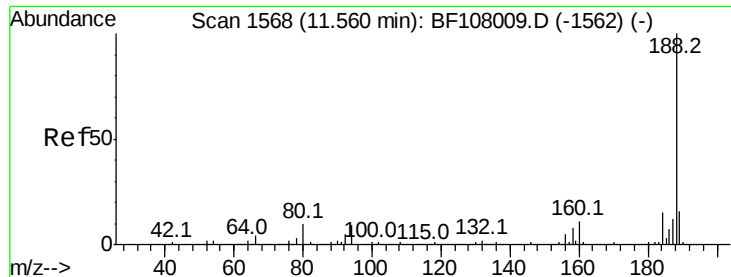
Abundance

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

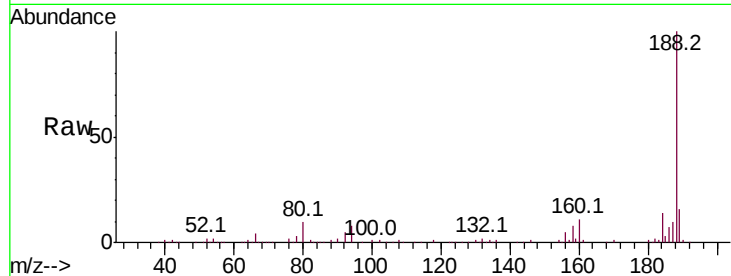




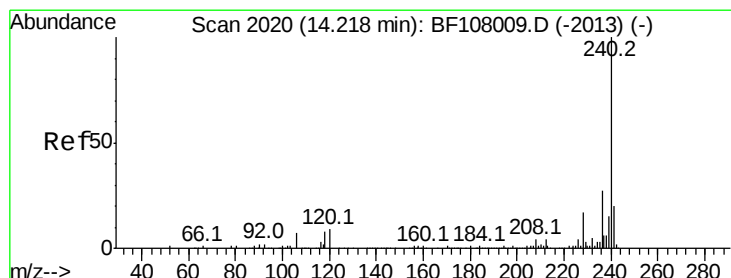
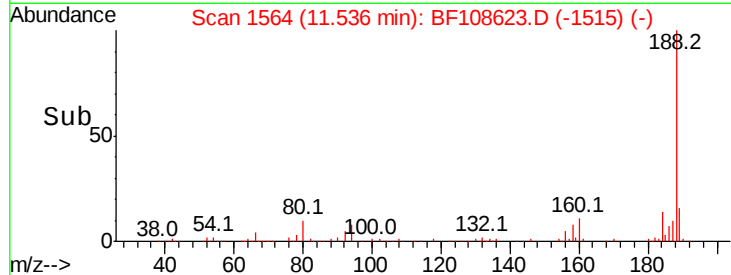
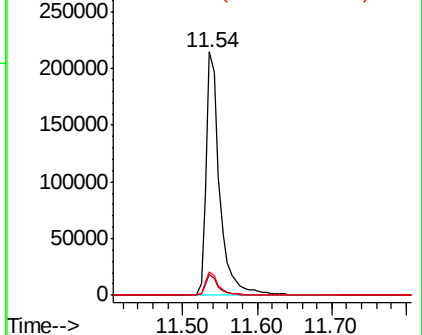
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.54 min Scan# 1564  
 Delta R.T. -0.01 min  
 Lab File: BF108623.D  
 Acq: 30 Aug 2018 00:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-DBRI-F-U-S

Tot Ion:188 Resp: 271827  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 8.5 12.7  
 80 9.8 9.2 13.8

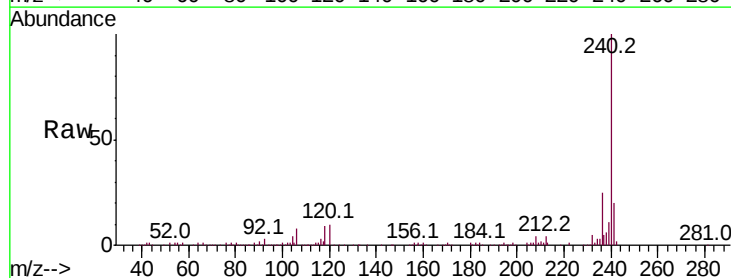


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

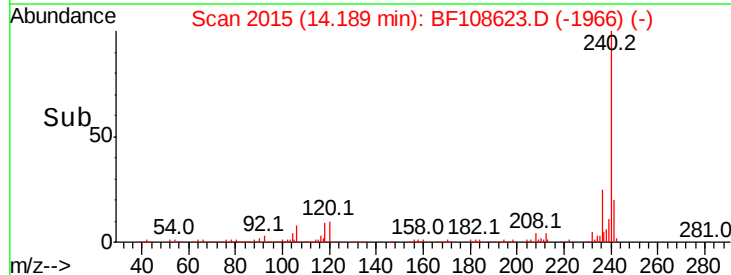
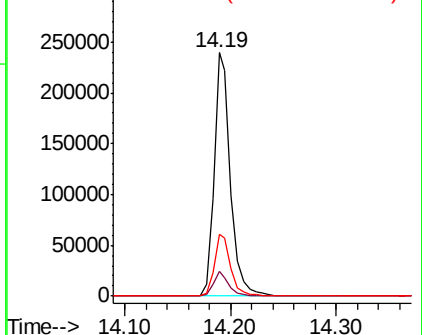


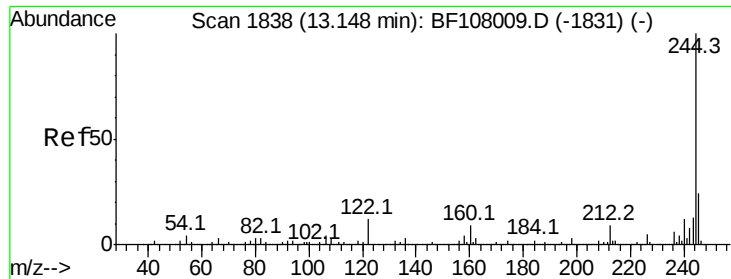
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.19 min Scan# 2015  
 Delta R.T. -0.01 min  
 Lab File: BF108623.D  
 Acq: 30 Aug 2018 00:42

Tgt Ion:240 Resp: 259955  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 9.5 14.3  
 236 25.2 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

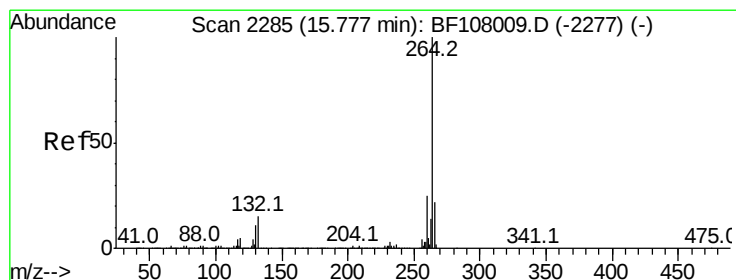
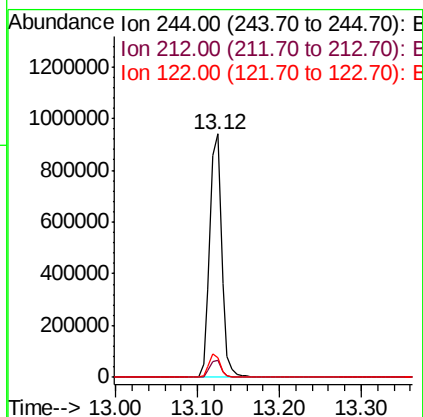
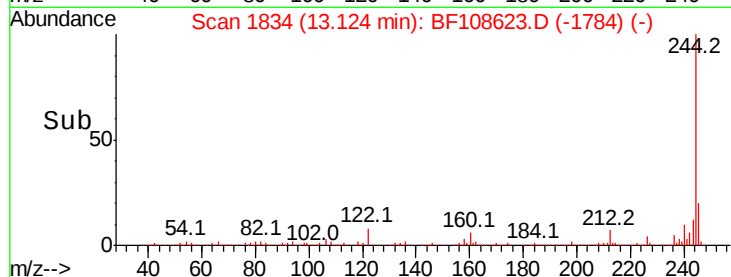
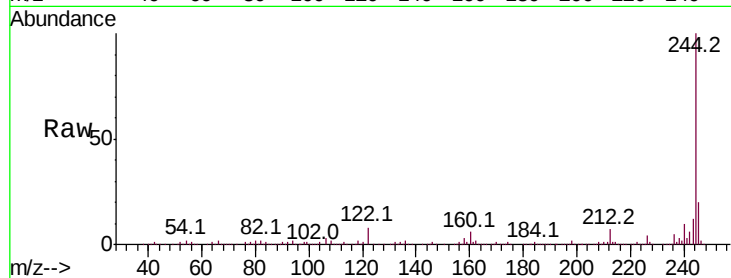




#78  
 Terphenyl-d14  
 Concen: 93.351 ng  
 RT: 13.12 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: BF108623.D  
 Acq: 30 Aug 2018 00:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082718-DBRI-F-U-S

Tot Ion:244 Resp: 954432  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 8.3 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: BF108623.D  
 Acq: 30 Aug 2018 00:42

Tgt Ion:264 Resp: 257449  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.2 28.8  
 265 22.0 17.5 26.3

