

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\  
 Data File : BF103398.D  
 Acq On : 3 Mar 2018 7:49  
 Operator : SJ/JU  
 Sample : J1751-12  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-030118-F

Quant Time: Mar 05 00:33:52 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 02 13:28:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 129252   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.16  | 136  | 527716   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 198373   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.41 | 188  | 291100   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.06 | 240  | 212282   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.57 | 264  | 140134   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 1091174  | 127.68 | ng    | 0.02     |
| 7) Phenol-d6                | 6.52  | 99   | 1196522  | 114.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 864241   | 93.53  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 188777   | 112.43 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1269240  | 122.32 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.00 | 244  | 905205   | 102.50 | ng    | 0.00     |

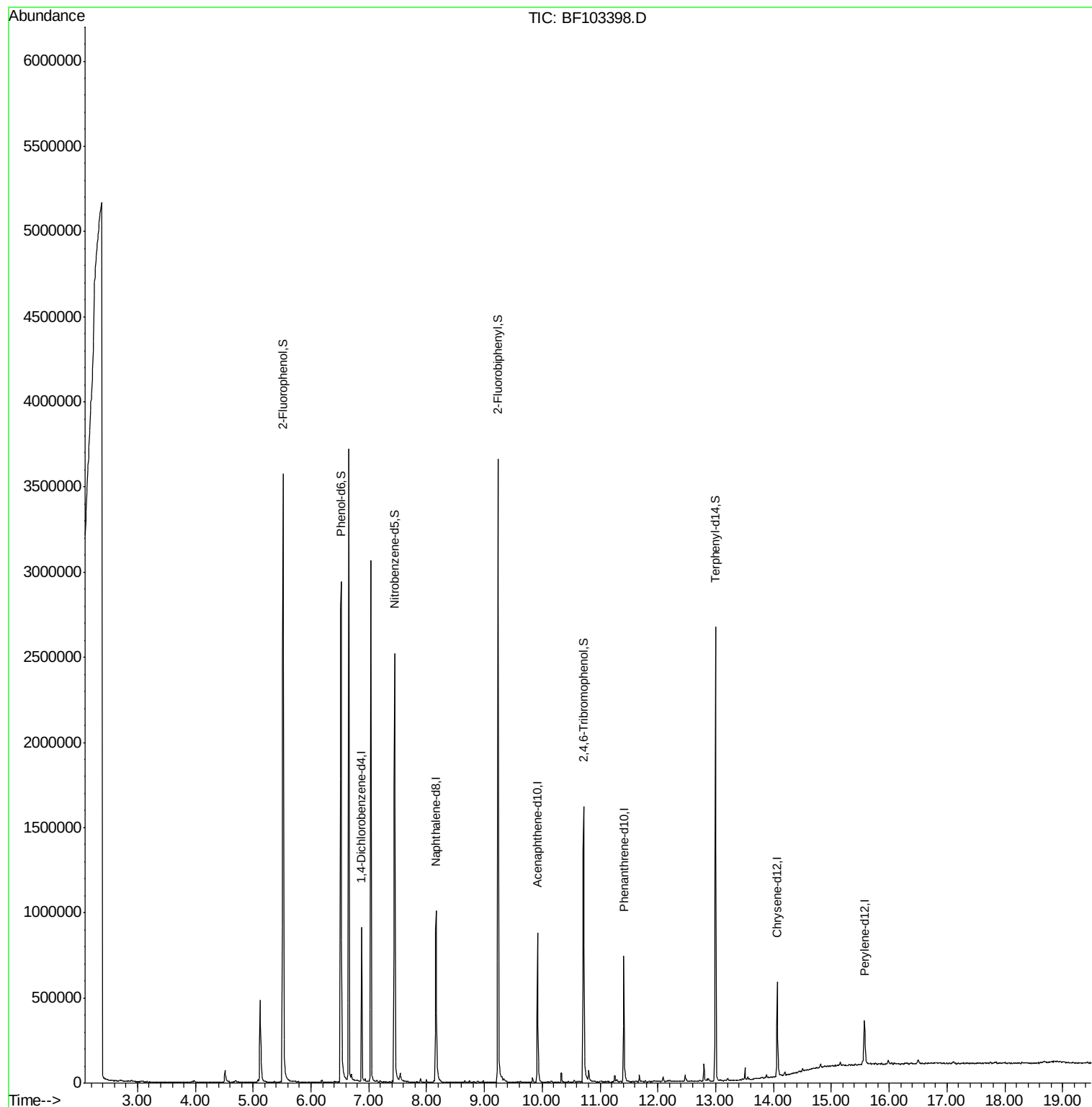
Target Compounds Qvalue

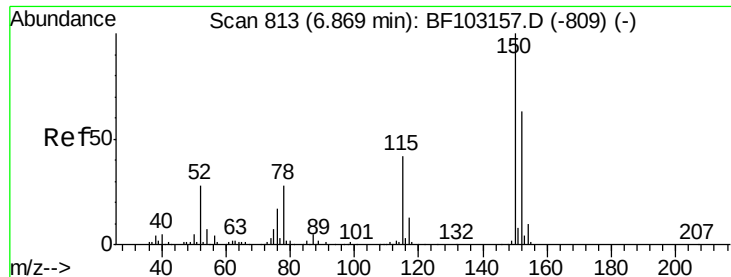
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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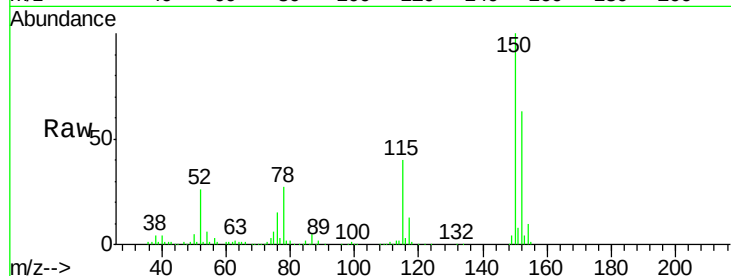


#1

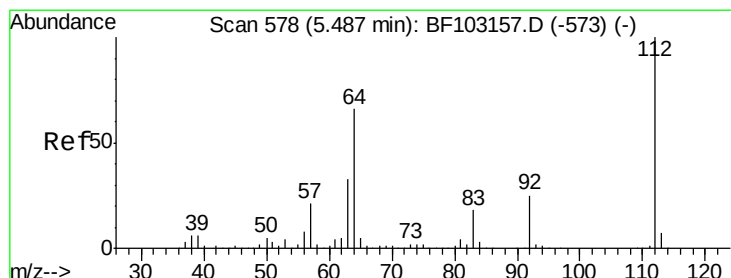
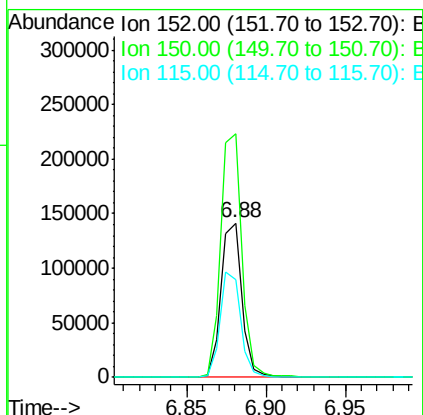
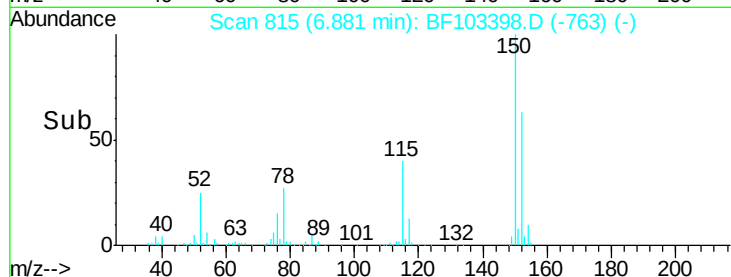
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. 0.01 min  
Lab File: BF103398.D  
Acq: 3 Mar 2018 7:49

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-030118-F

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.6 | 124.6 | 186.8 |
| 115     | 63.1  | 50.1  | 75.1  |



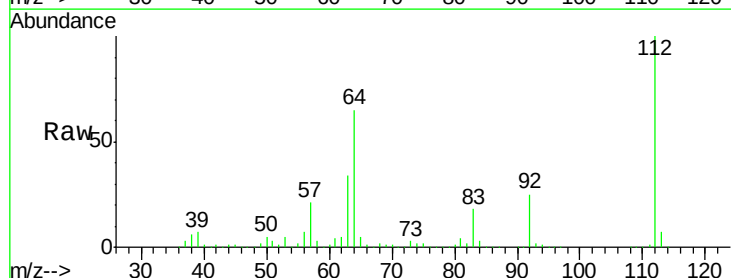
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



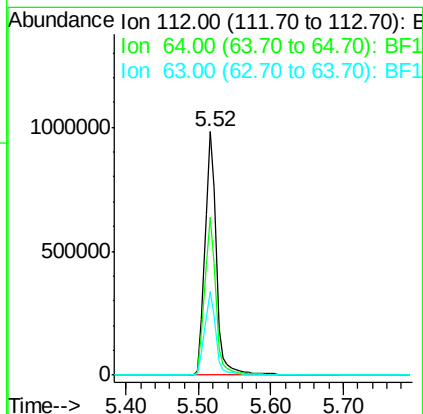
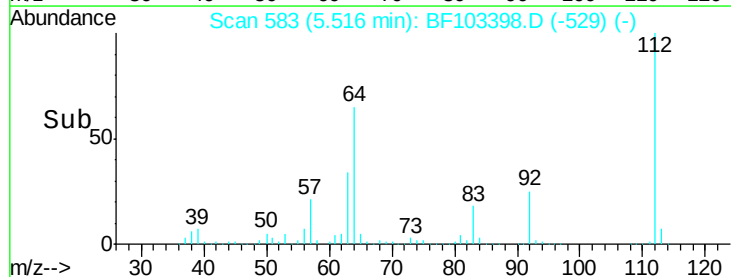
#5

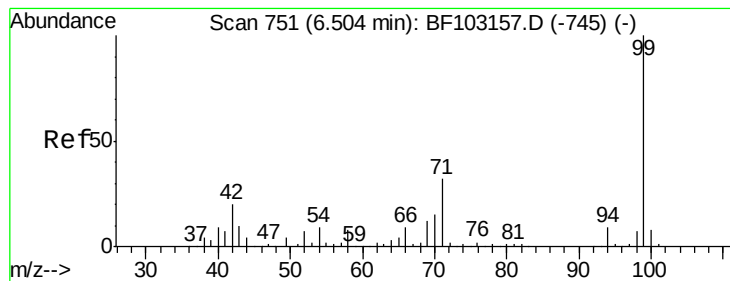
2-Fluorophenol  
Concen: 127.683 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.02 min  
Lab File: BF103398.D  
Acq: 3 Mar 2018 7:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.1  | 47.9  | 71.9  |
| 63      | 34.2  | 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: 114.420 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

Instrument :

BNA\_F

ClientSampleId :

JC-02-030118-F

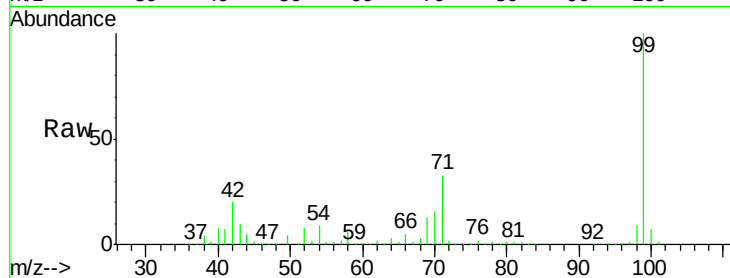
Tot Ion: 99 Resp: 1196522

Ion Ratio Lower Upper

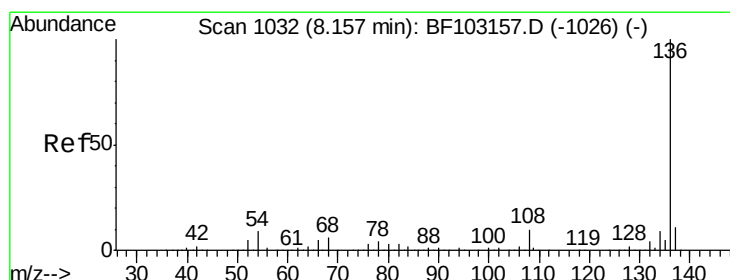
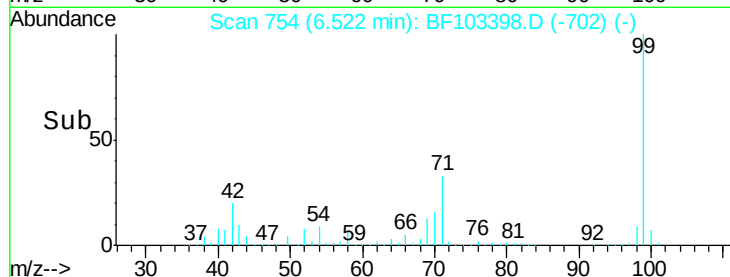
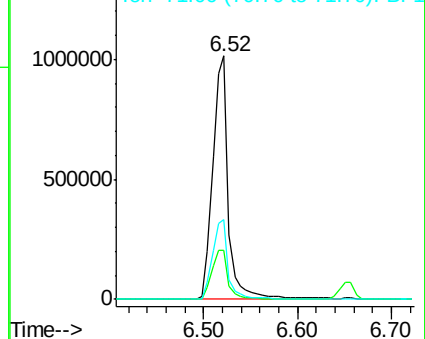
99 100

42 20.1 14.5 21.7

71 32.7 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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

Tgt Ion: 136 Resp: 527716

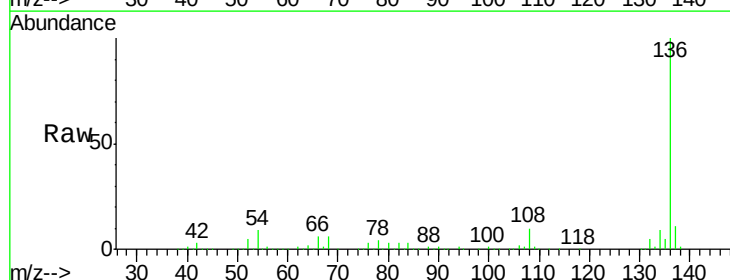
Ion Ratio Lower Upper

136 100

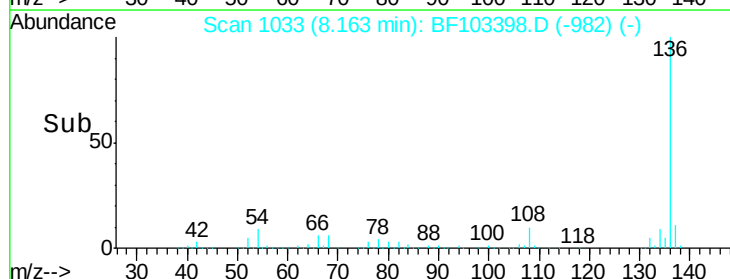
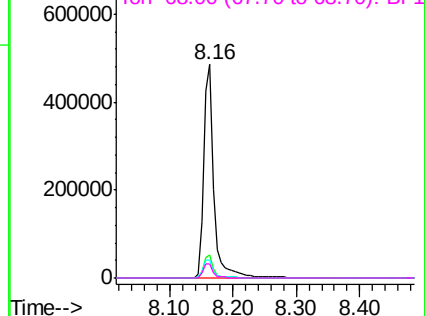
137 10.9 8.9 13.3

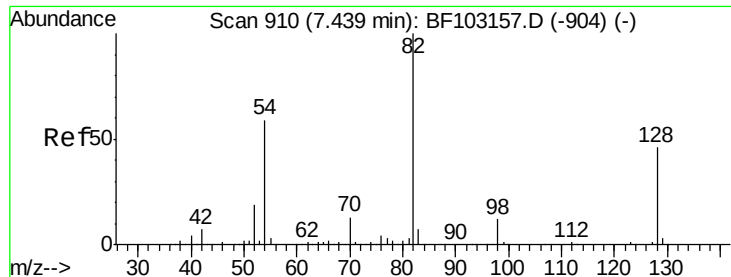
54 8.7 6.6 9.8

68 6.4 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

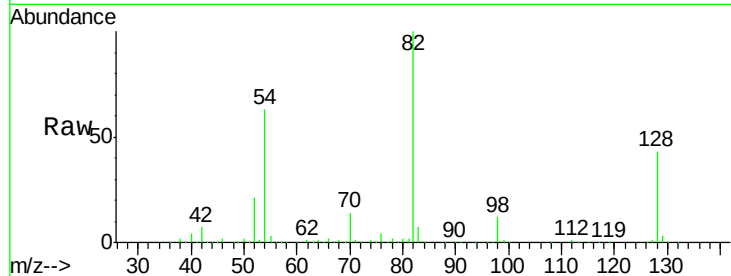




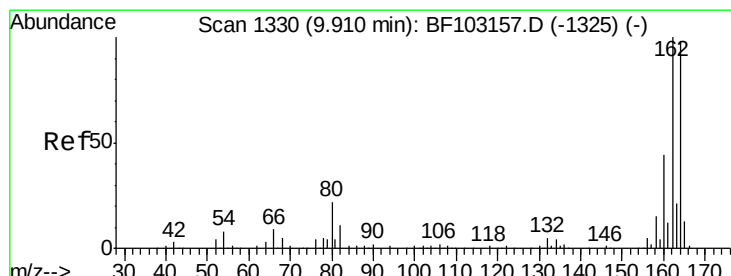
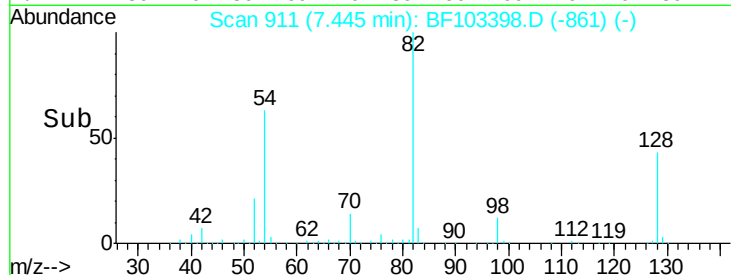
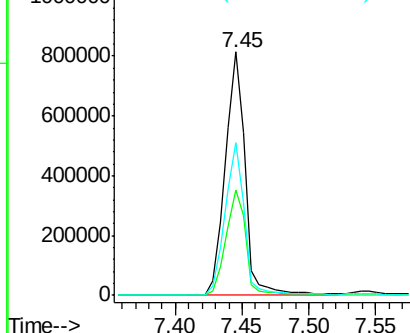
#23  
 Nitrobenzene-d5  
 Concen: 93.527 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF103398.D  
 Acq: 3 Mar 2018 7:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-030118-F

Tot Ion: 82 Resp: 864241  
 Ion Ratio Lower Upper  
 82 100  
 128 43.4 36.1 54.1  
 54 62.5 41.4 62.2#

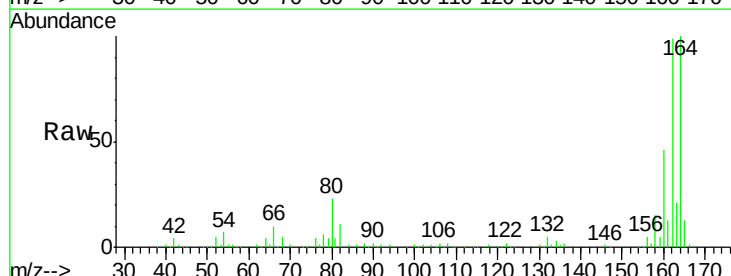


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF1

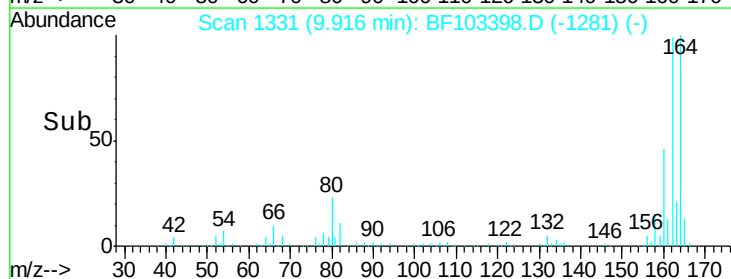
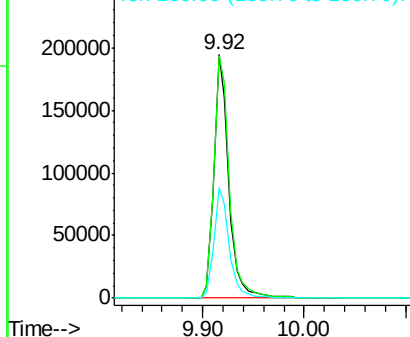


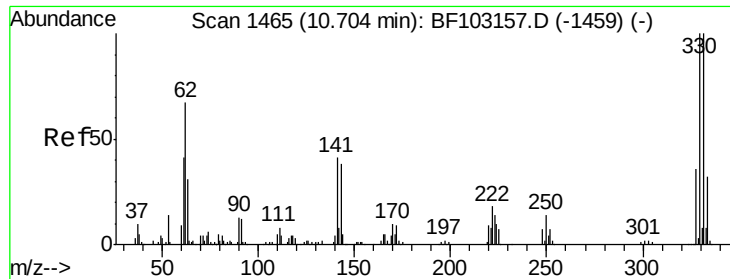
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: BF103398.D  
 Acq: 3 Mar 2018 7:49

Tgt Ion: 164 Resp: 198373  
 Ion Ratio Lower Upper  
 164 100  
 162 99.5 86.1 129.1  
 160 45.6 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

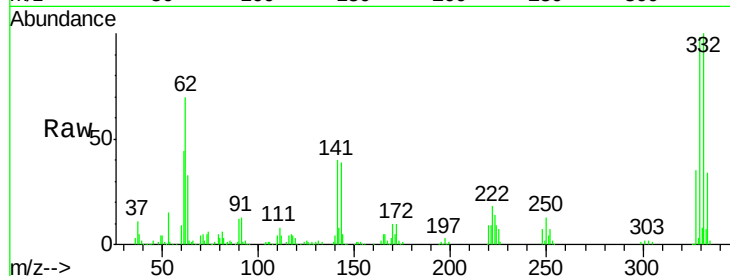




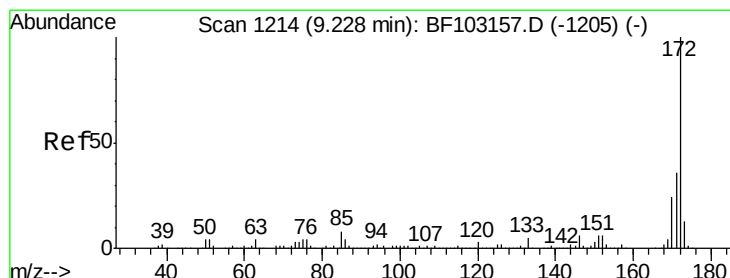
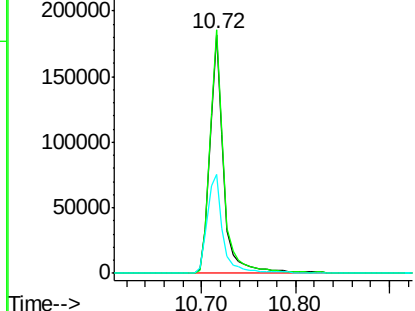
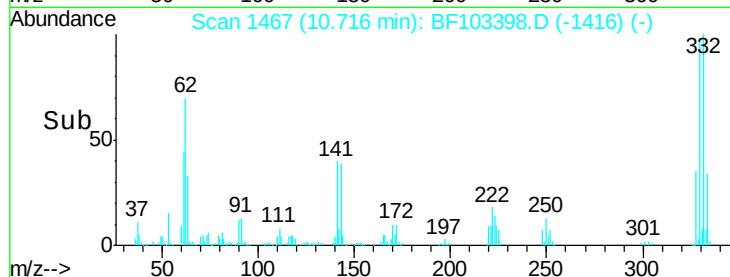
#41  
 2,4,6-Tribromophenol  
 Concen: 112.426 ng  
 RT: 10.72 min Scan# 1467  
 Delta R.T. -0.00 min  
 Lab File: BF103398.D  
 Acq: 3 Mar 2018 7:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-030118-F

Tot Ion:330 Resp: 188777  
 Ion Ratio Lower Upper  
 330 100  
 332 103.0 77.0 115.6  
 141 47.3 29.9 44.9#

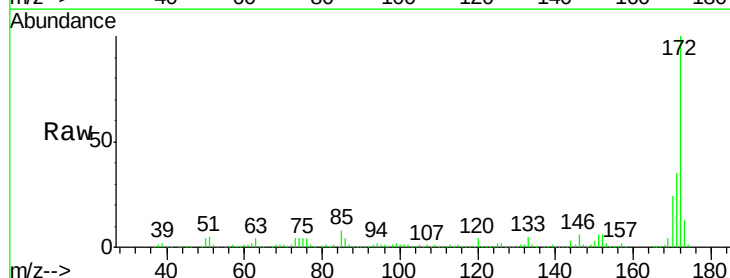


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

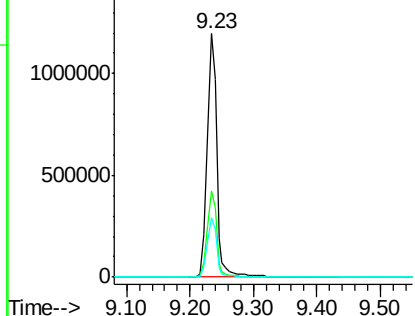
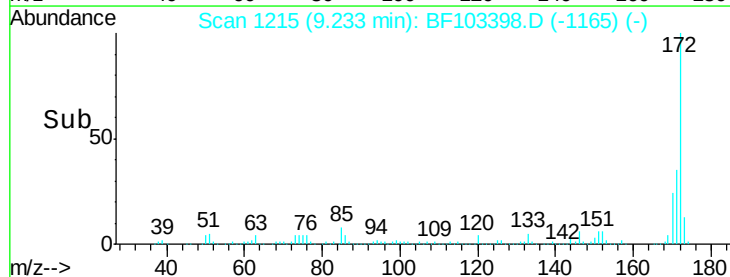


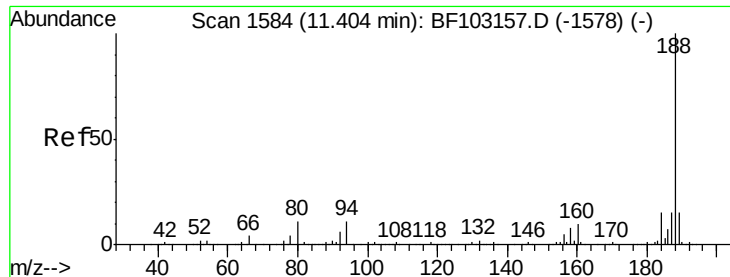
#44  
 2-Fluorobiphenyl  
 Concen: 122.317 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF103398.D  
 Acq: 3 Mar 2018 7:49

Tgt Ion:172 Resp: 1269240  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.7 44.5  
 170 24.4 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: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

Instrument :

BNA\_F

ClientSampleId :

JC-02-030118-F

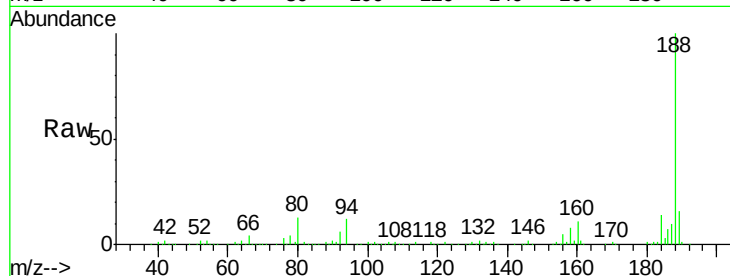
Tot Ion:188 Resp: 291100

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

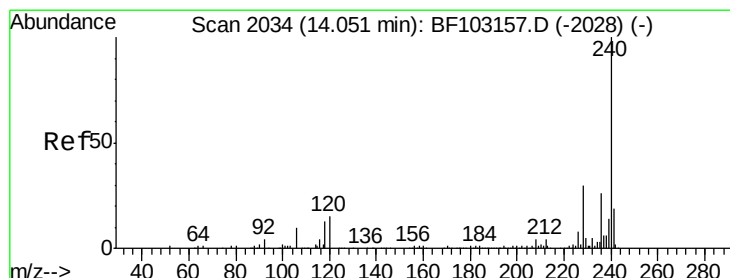
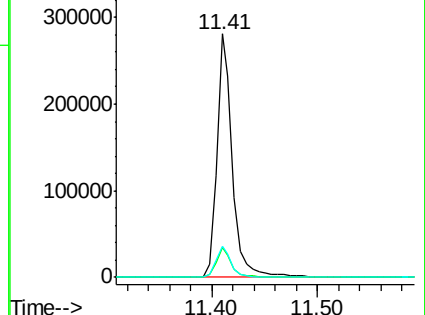
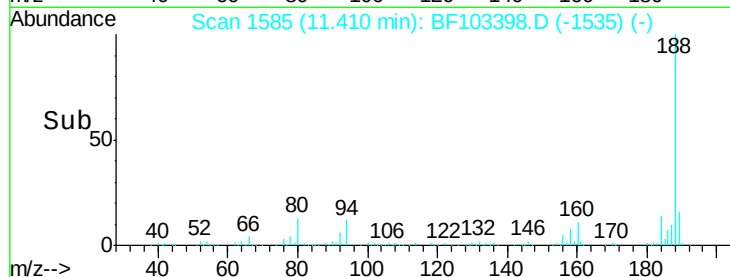
80 13.0 9.2 13.8



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

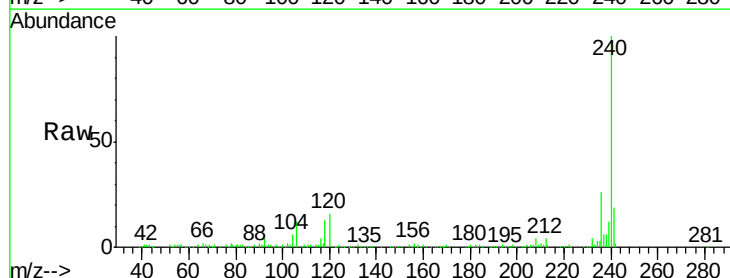
Tgt Ion:240 Resp: 212282

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

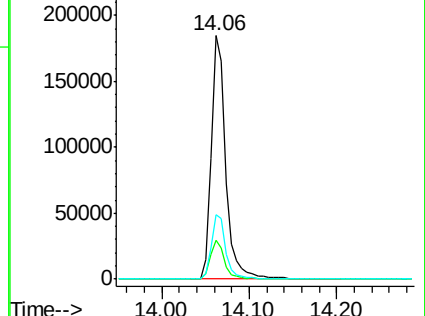
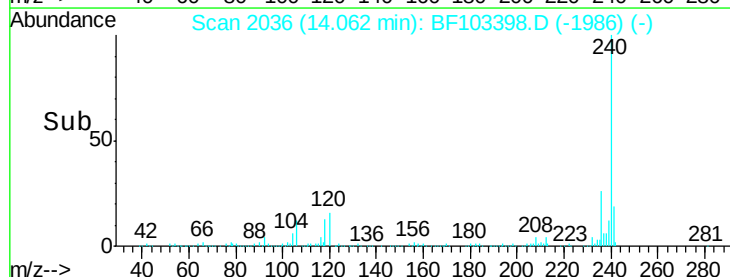
236 26.4 20.7 31.1

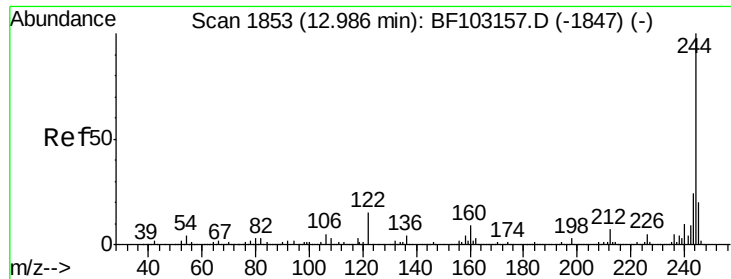


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 102.505 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

Instrument :

BNA\_F

ClientSampleId :

JC-02-030118-F

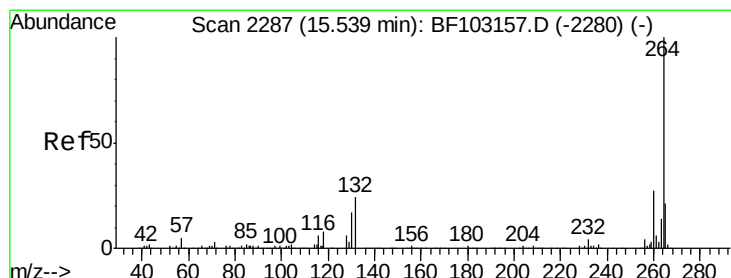
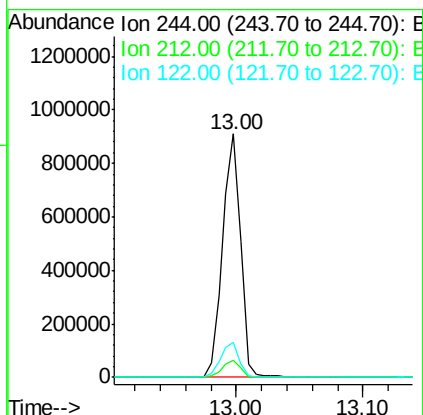
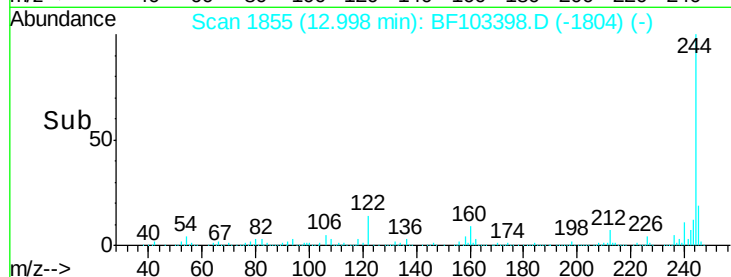
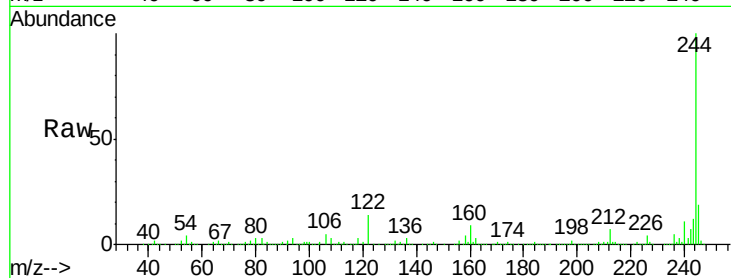
Tot Ion:244 Resp: 905205

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 14.4 11.0 16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF103398.D

Acq: 3 Mar 2018 7:49

Tgt Ion:264 Resp: 140134

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.9 17.5 26.3

