

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\  
 Data File : BF103944.D  
 Acq On : 26 Mar 2018 23:51  
 Operator : JU/SJ  
 Sample : J2052-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-BD

Quant Time: Mar 27 08:30:56 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 13:26:17 2018  
 Response via : Initial Calibration

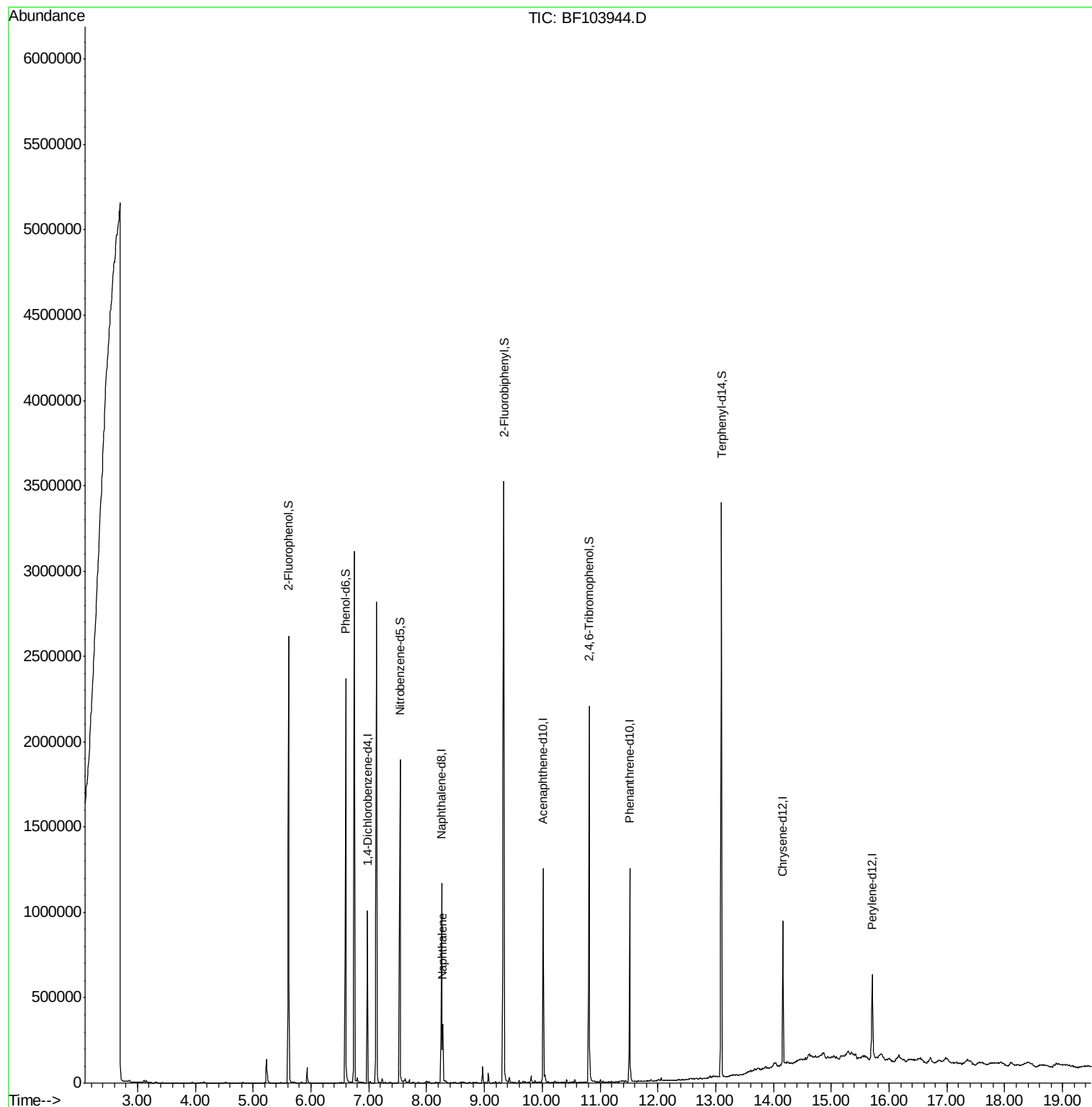
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 135528   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.26  | 136  | 558875   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.02 | 164  | 254649   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.51 | 188  | 425076   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.16 | 240  | 282220   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.71 | 264  | 250527   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.62  | 112  | 839070   | 94.17  | ng    | 0.02      |
| 7) Phenol-d6                | 6.60  | 99   | 906882   | 83.19  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 717891   | 89.58  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 295012   | 134.74 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1337865  | 83.81  | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.10 | 244  | 1158433  | 95.28  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 8.27  | 128  | 160621   | 5.689  | ng    | Qvalue 99 |

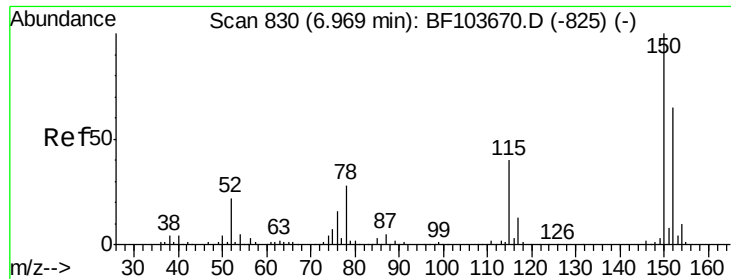
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



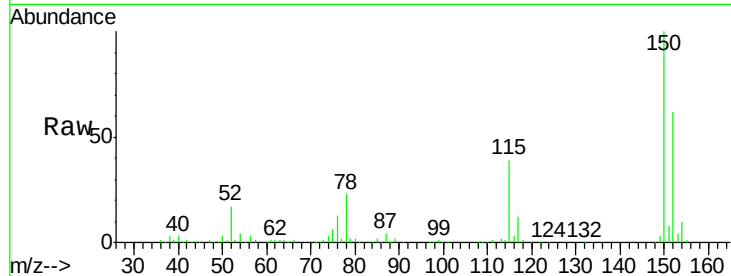


#1

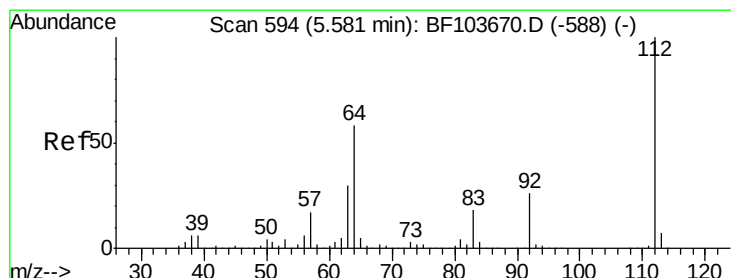
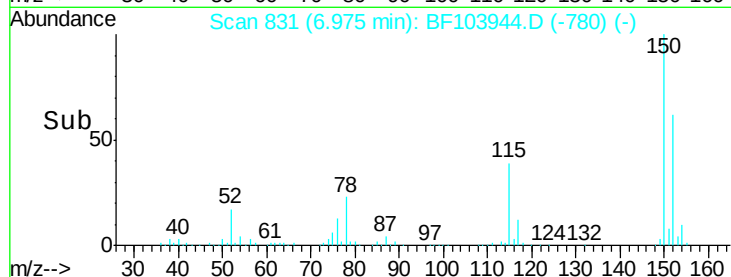
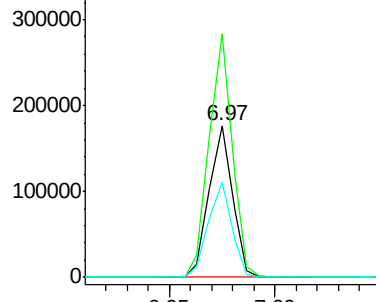
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF103944.D  
Acq: 26 Mar 2018 23:51

Instrument :  
BNA\_F  
ClientSampleId :  
TP-BD

Tot Ion:152 Resp: 135528  
Ion Ratio Lower Upper  
152 100  
150 160.3 124.6 186.8  
115 63.1 50.1 75.1



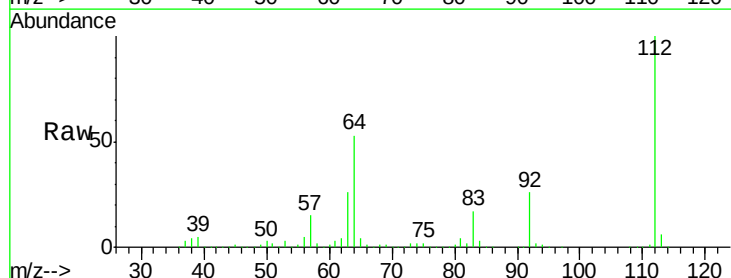
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



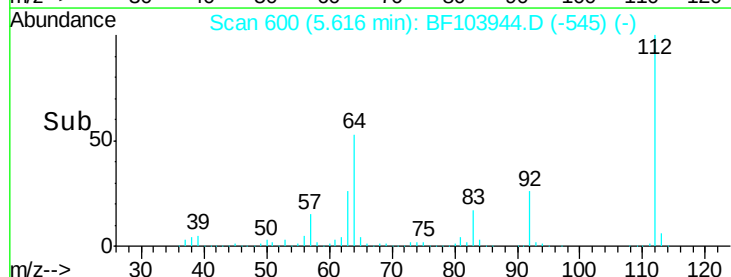
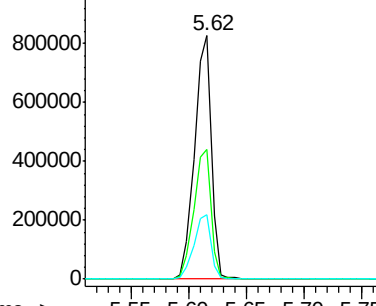
#5

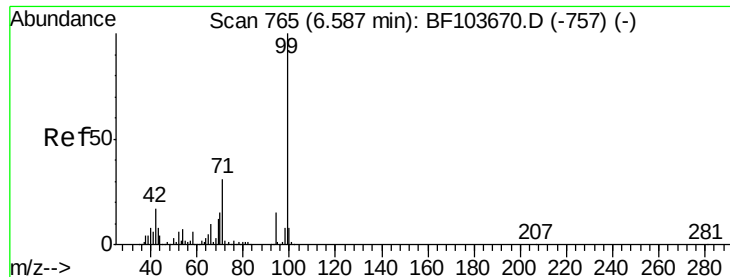
2-Fluorophenol  
Concen: 94.167 ng  
RT: 5.62 min Scan# 600  
Delta R.T. 0.02 min  
Lab File: BF103944.D  
Acq: 26 Mar 2018 23:51

Tgt Ion:112 Resp: 839070  
Ion Ratio Lower Upper  
112 100  
64 53.0 47.9 71.9  
63 26.4 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: 83.190 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

TP-BD

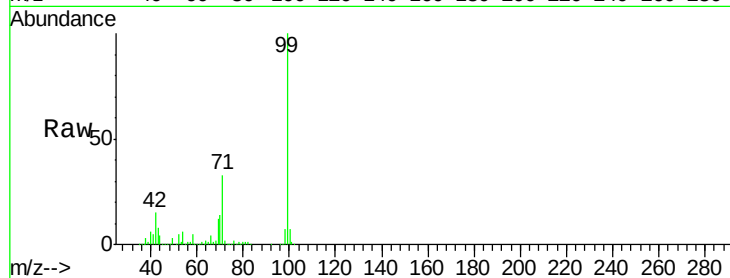
Tot Ion: 99 Resp: 906882

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

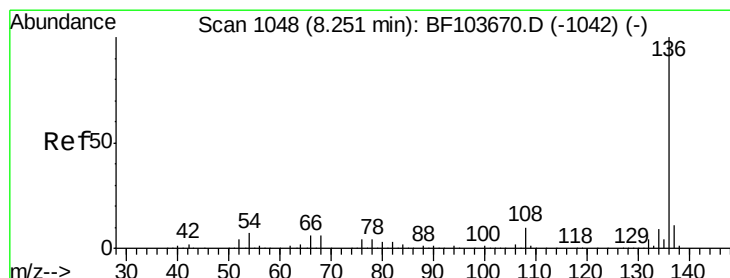
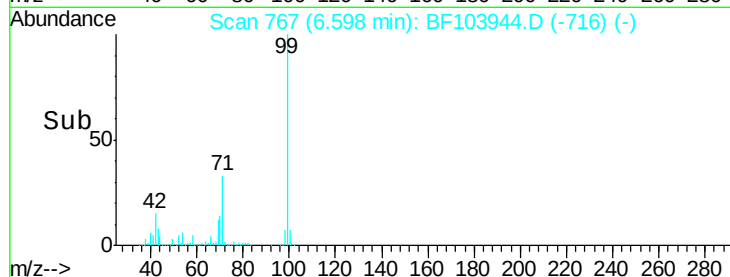
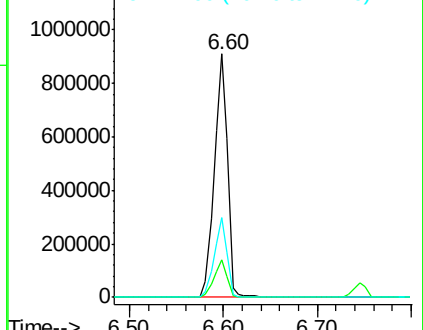
71 32.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

Tgt Ion: 136 Resp: 558875

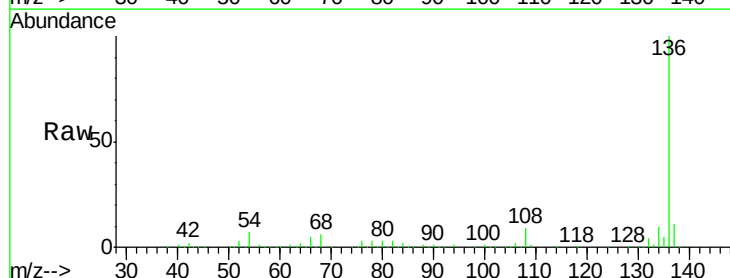
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.6 6.6 9.8

68 6.0 5.0 7.4

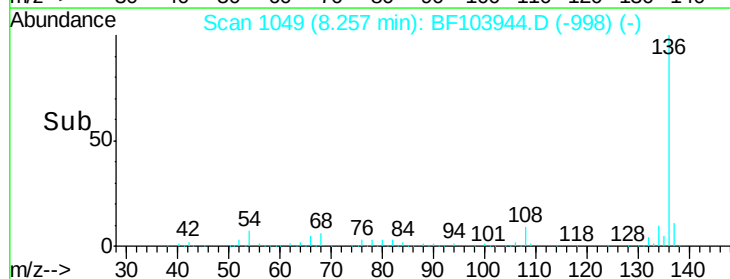
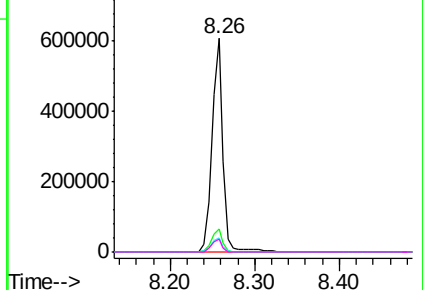


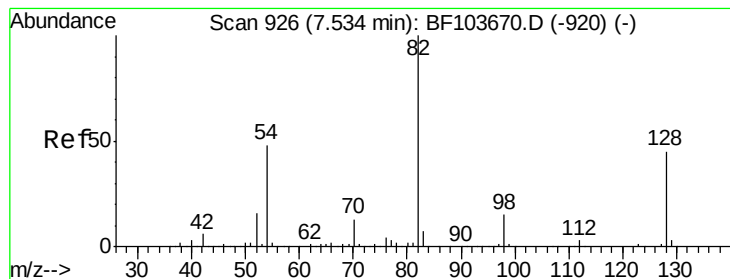
Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.578 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

TP-BD

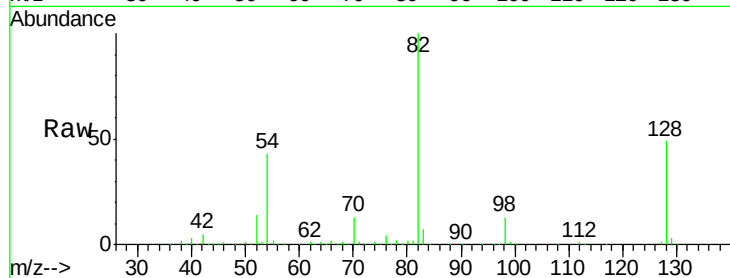
Tot Ion: 82 Resp: 717891

Ion Ratio Lower Upper

82 100

128 48.8 36.1 54.1

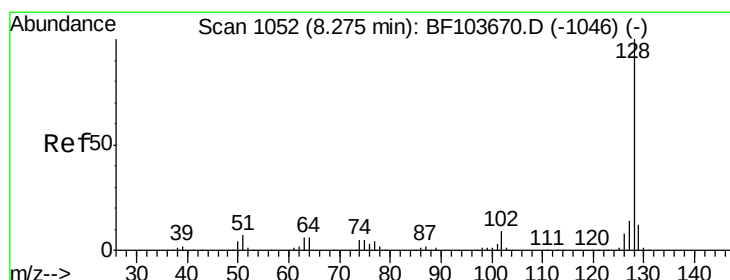
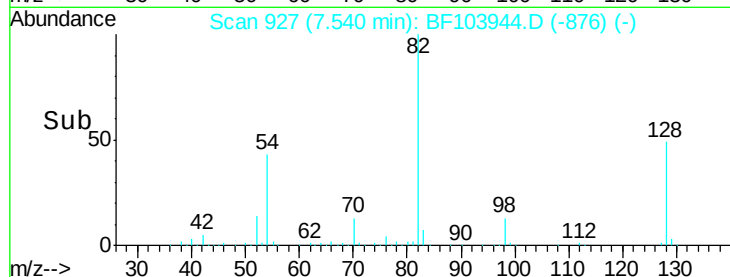
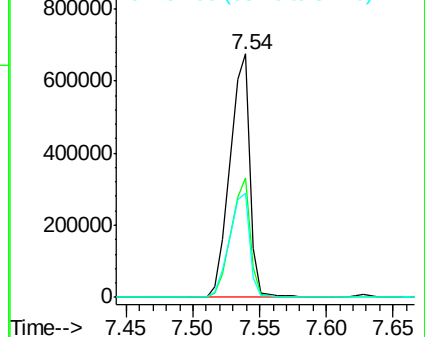
54 42.9 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 5.689 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

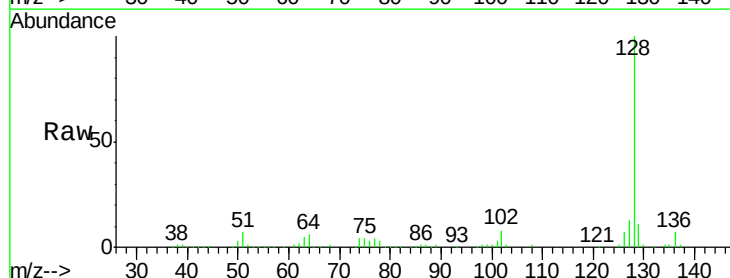
Tgt Ion: 128 Resp: 160621

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

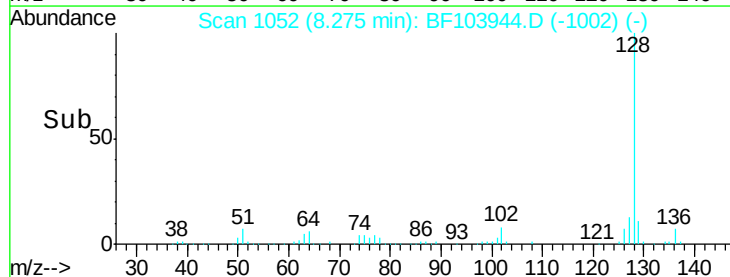
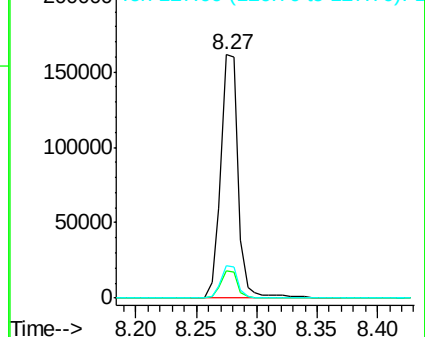
127 13.1 10.9 16.3

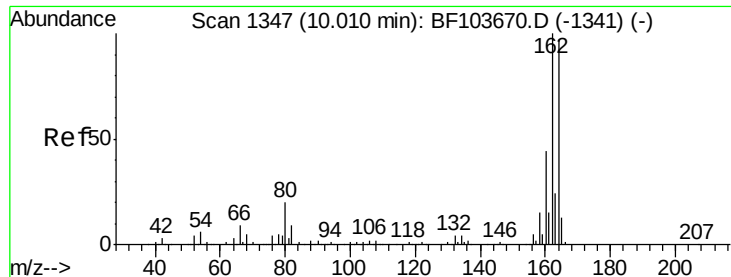


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

TP-BD

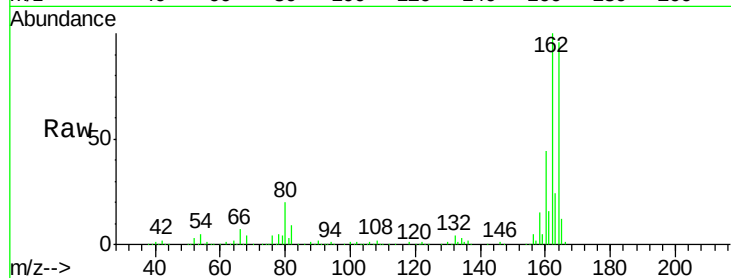
Tot Ion:164 Resp: 254649

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

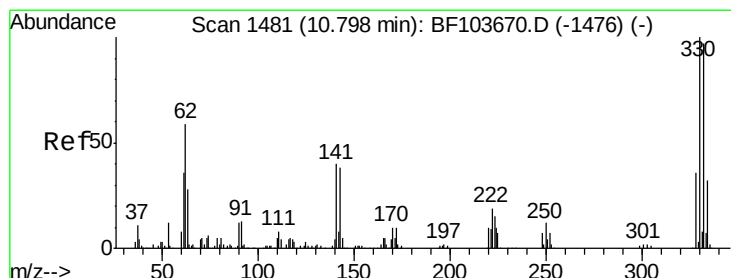
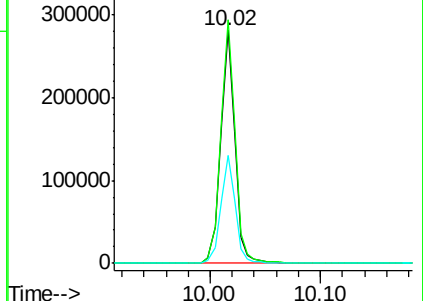
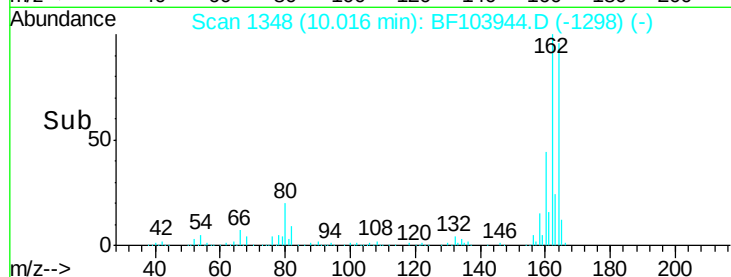
160 46.1 38.3 57.5



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: 134.740 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

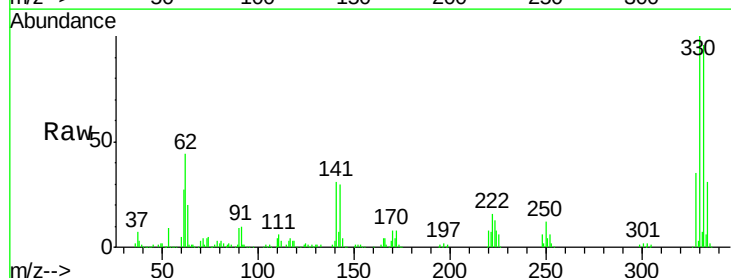
Tgt Ion:330 Resp: 295012

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

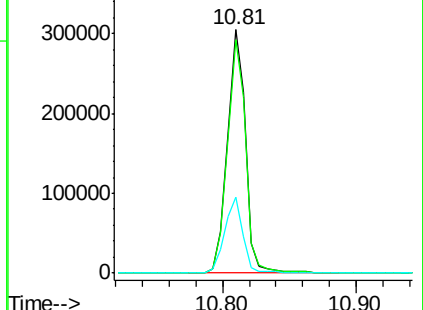
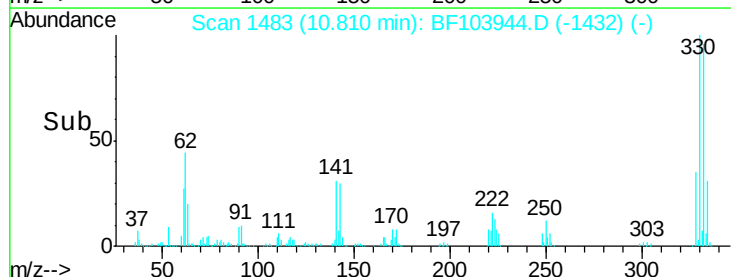
141 31.6 29.9 44.9

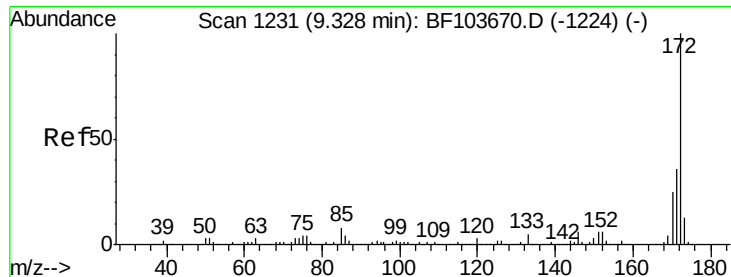


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



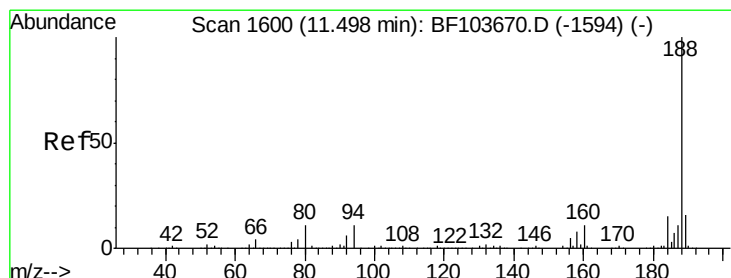
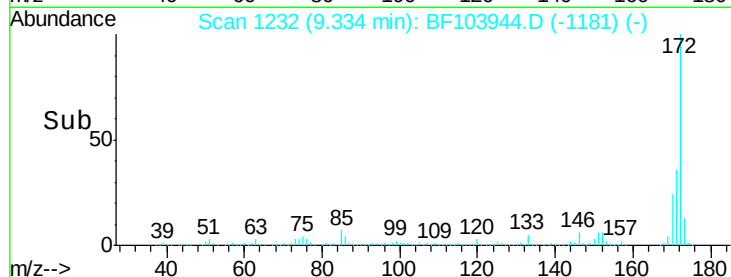
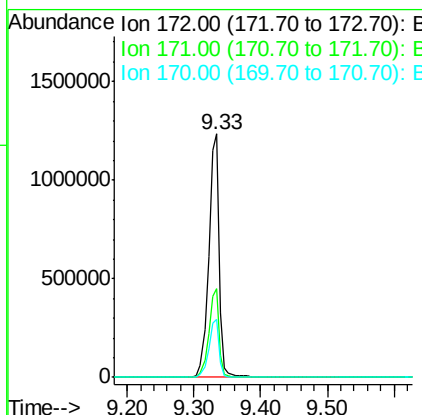
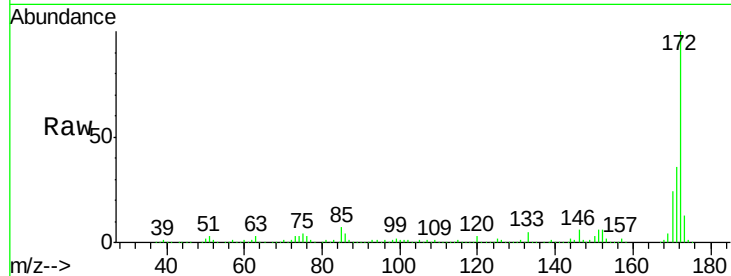


#44  
 2-Fluorobiphenyl  
 Concen: 83.805 ng  
 RT: 9.33 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: BF103944.D  
 Acq: 26 Mar 2018 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-BD

Tot Ion:172 Resp: 1337865  

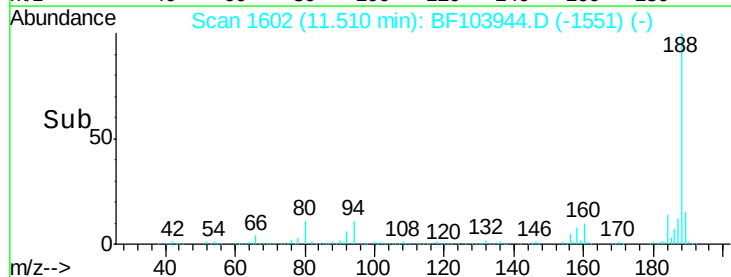
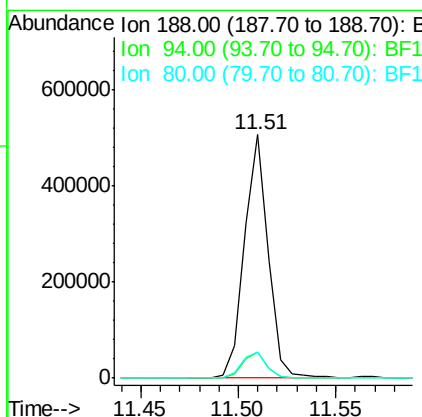
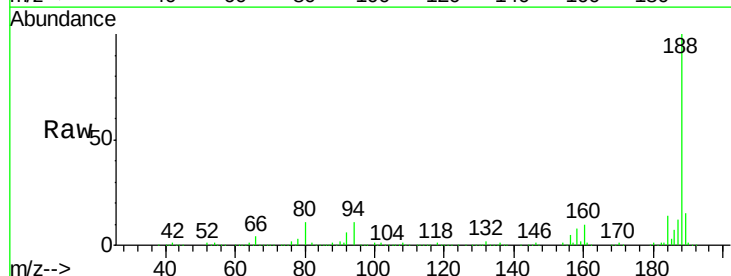
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.7  | 44.5  |
| 170 | 23.9  | 19.6  | 29.4  |

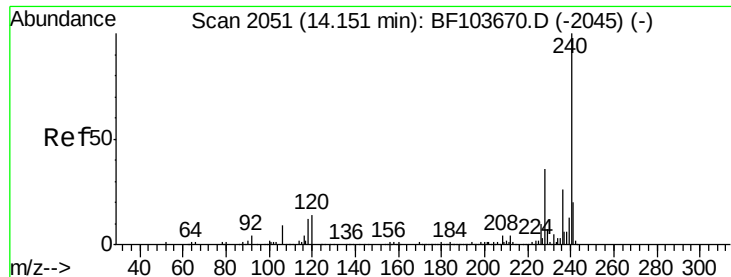


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. 0.00 min  
 Lab File: BF103944.D  
 Acq: 26 Mar 2018 23:51

Tgt Ion:188 Resp: 425076  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.6  | 8.5   | 12.7  |
| 80  | 10.8  | 9.2   | 13.8  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

Instrument :

BNA\_F

ClientSampleId :

TP-BD

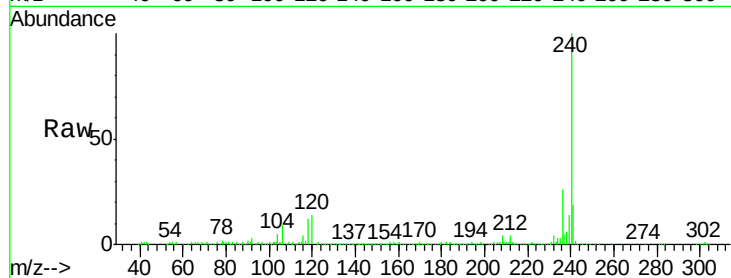
Tot Ion:240 Resp: 282220

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

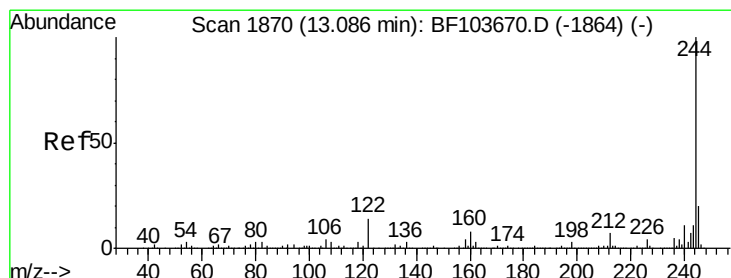
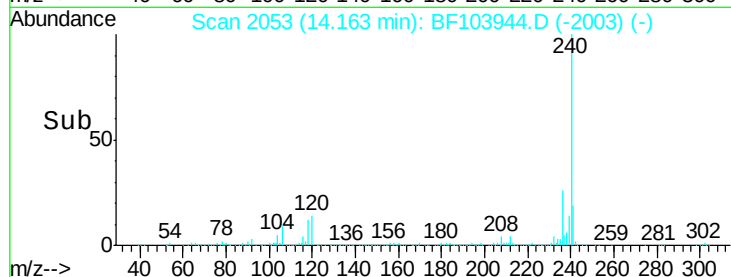
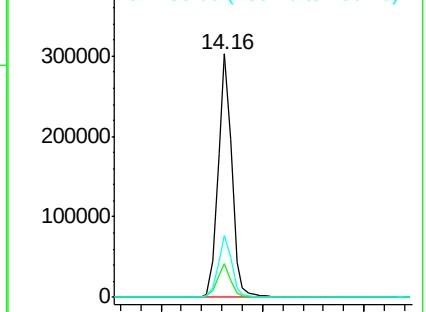
236 25.6 20.7 31.1



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: 95.276 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BF103944.D

Acq: 26 Mar 2018 23:51

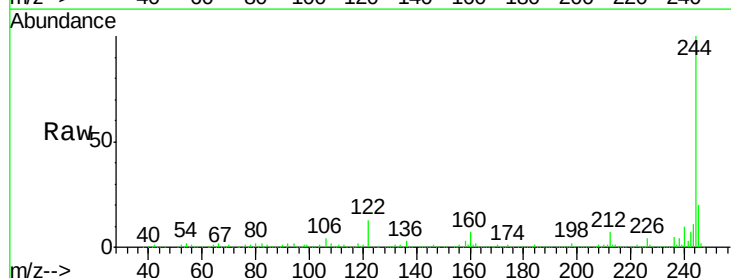
Tgt Ion:244 Resp: 1158433

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

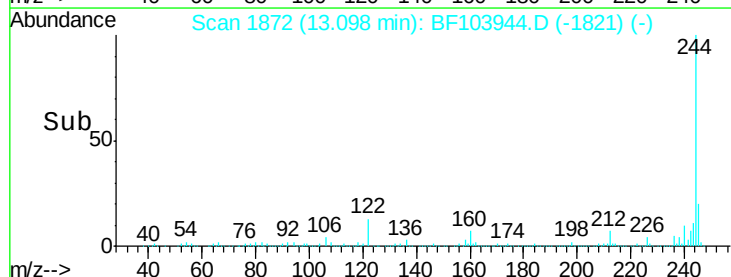
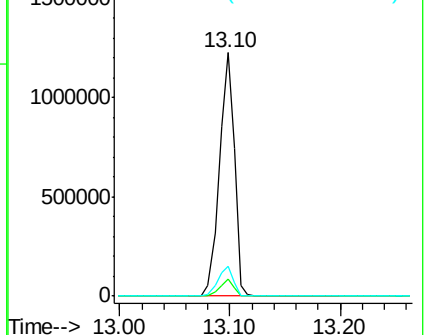
122 12.5 11.0 16.4



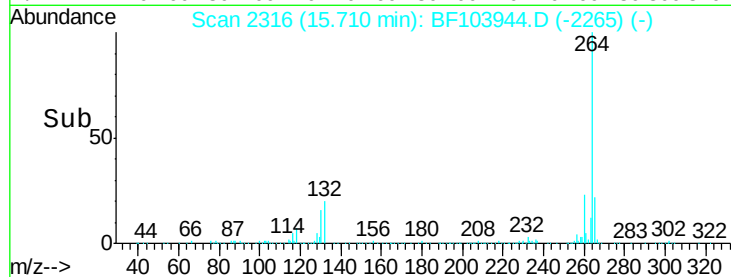
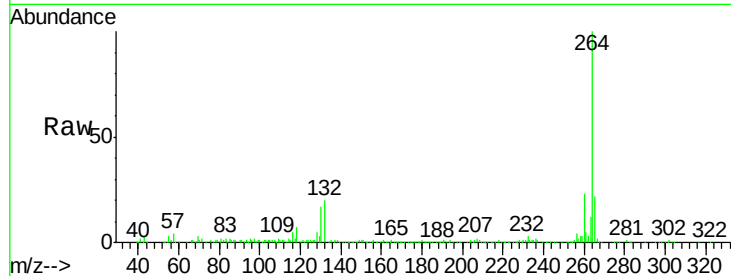
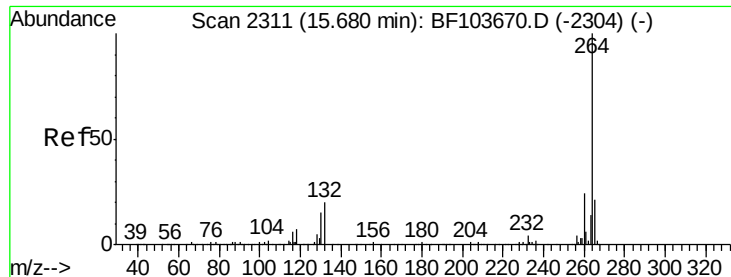
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.71 min Scan# 2316  
 Delta R.T. 0.00 min  
 Lab File: BF103944.D  
 Acq: 26 Mar 2018 23:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-BD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 250527 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.0  | 19.2  | 28.8   |
| 265      | 21.9  | 17.5  | 26.3   |

