

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\  
 Data File : BF103827.D  
 Acq On : 21 Mar 2018 3:24  
 Operator : JU/SJ  
 Sample : PB107522TB  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107522TB

Quant Time: Mar 21 04:47:56 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 15 18:31:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 172683   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 674497   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 286935   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 433760   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.16 | 240  | 307484   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.70 | 264  | 261002   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 1255979  | 110.63 | ng    | 0.02     |
| 7) Phenol-d6                | 6.60  | 99   | 1549245  | 111.54 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 972052   | 100.50 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 297670   | 120.66 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1533827  | 85.27  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 1142755  | 86.26  | ng    | 0.01     |

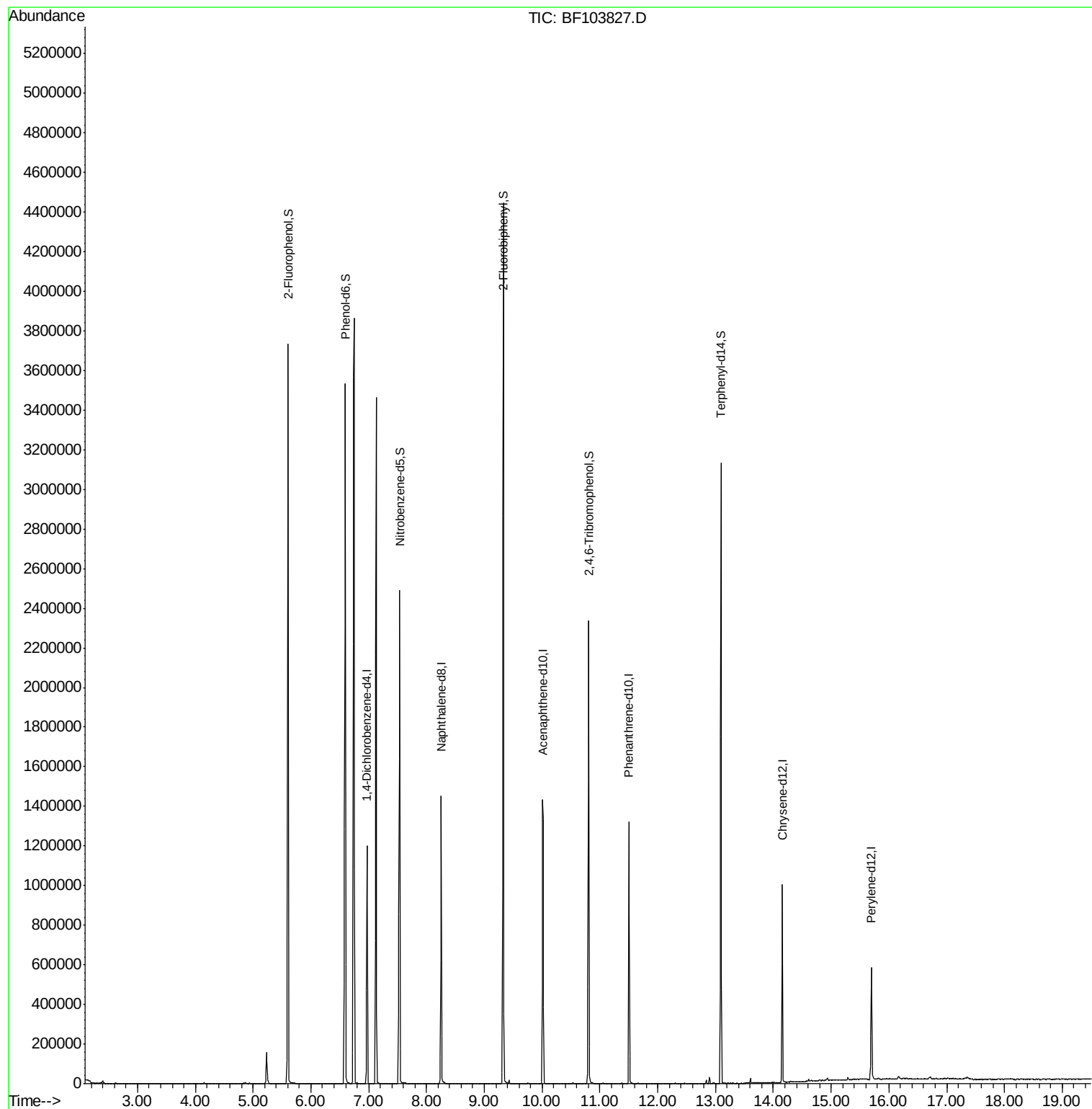
Target Compounds Qvalue

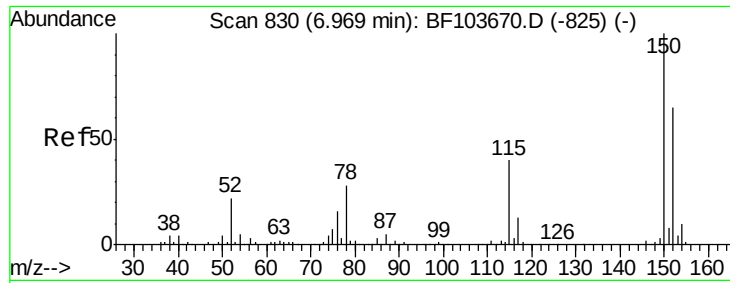
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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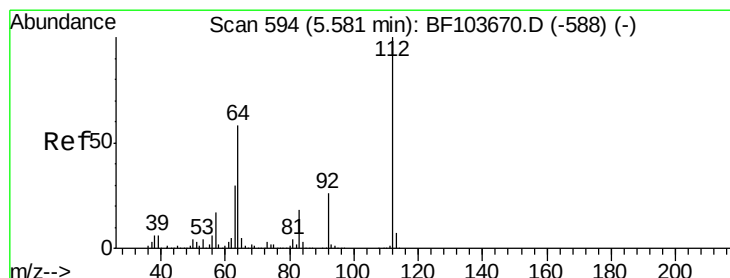
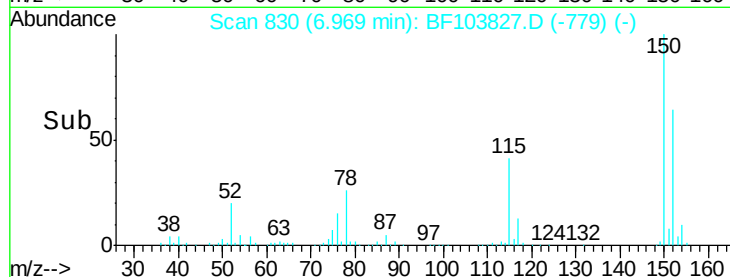
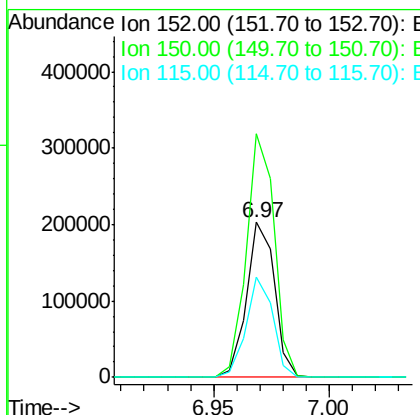
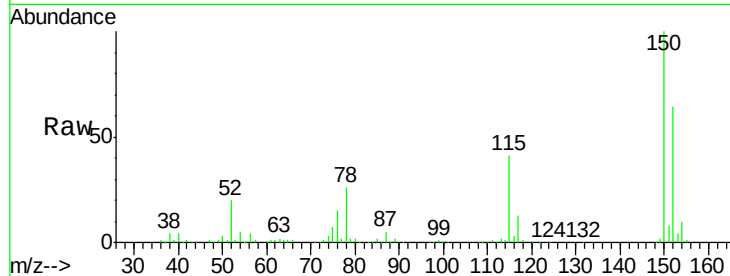




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 830  
 Delta R.T. -0.00 min  
 Lab File: BF103827.D  
 Acq: 21 Mar 2018 3:24

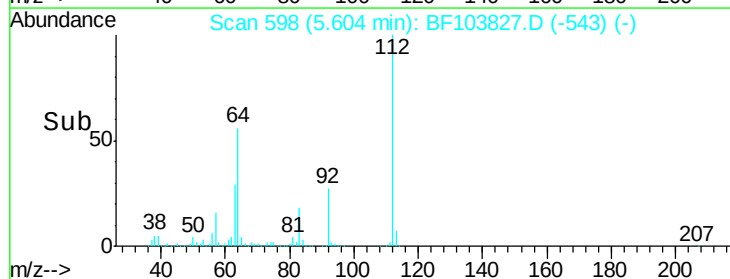
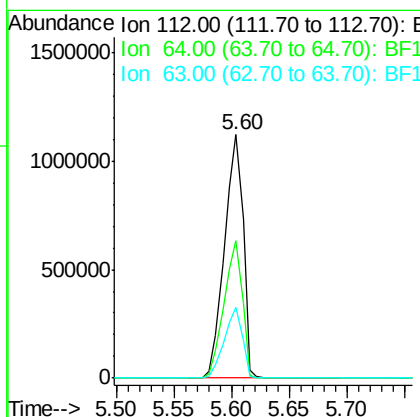
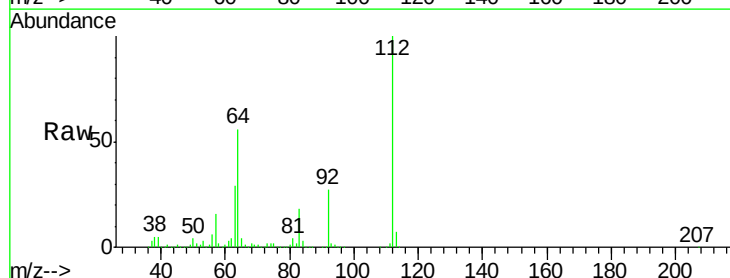
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107522TB

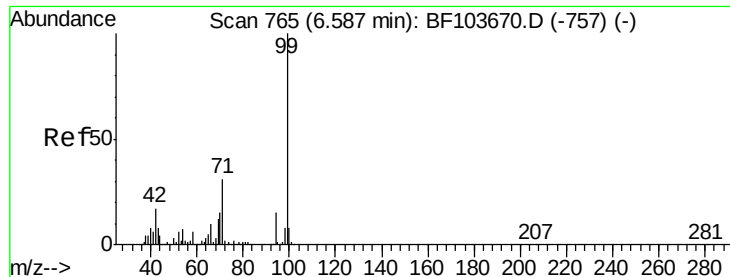
Tot Ion:152 Resp: 172683  
 Ion Ratio Lower Upper  
 152 100  
 150 157.0 124.6 186.8  
 115 64.4 50.1 75.1



#5  
 2-Fluorophenol  
 Concen: 110.627 ng  
 RT: 5.60 min Scan# 598  
 Delta R.T. 0.02 min  
 Lab File: BF103827.D  
 Acq: 21 Mar 2018 3:24

Tgt Ion:112 Resp: 1255979  
 Ion Ratio Lower Upper  
 112 100  
 64 56.5 47.9 71.9  
 63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 111.537 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

Instrument :

BNA\_F

ClientSampleId :

PB107522TB

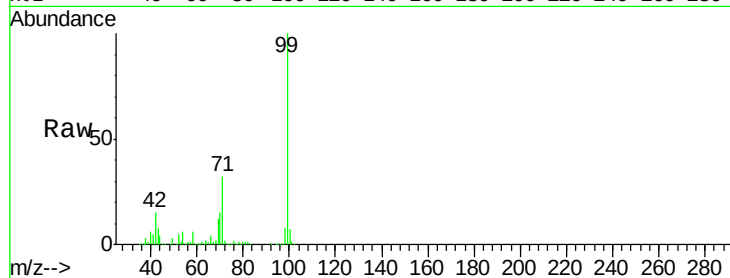
Tot Ion: 99 Resp: 1549245

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

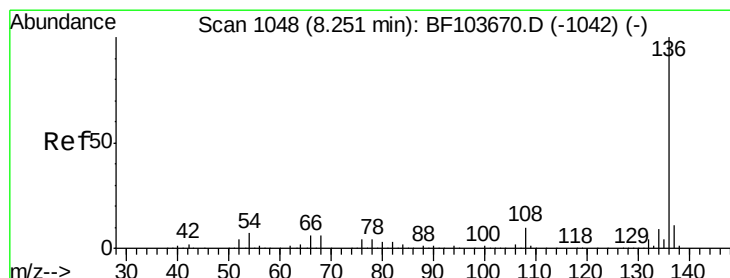
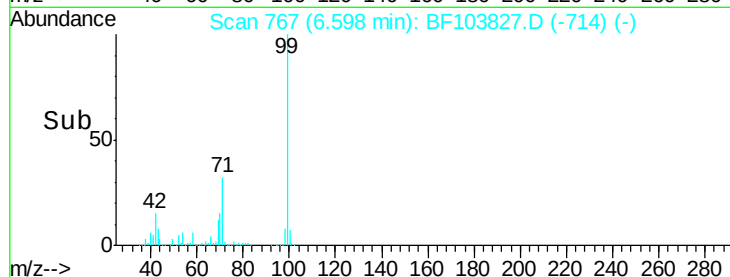
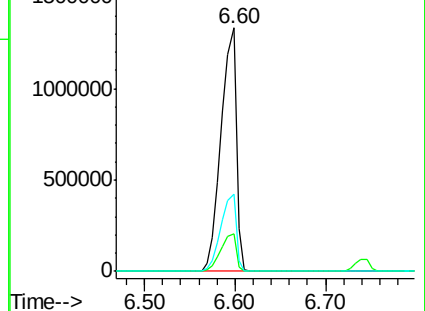
71 31.9 25.4 38.0



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: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

Tgt Ion: 136 Resp: 674497

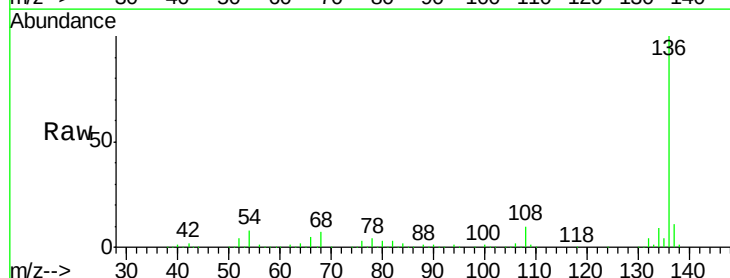
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.6 6.6 9.8

68 6.8 5.0 7.4

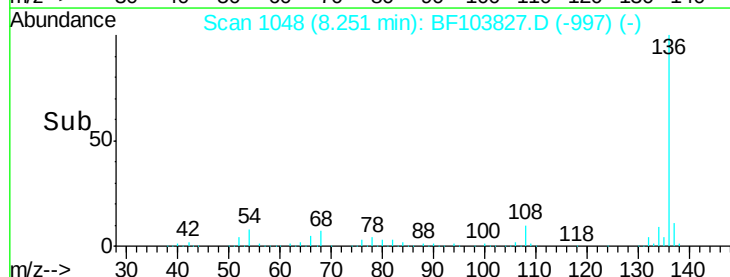
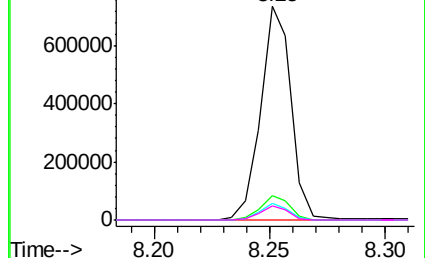


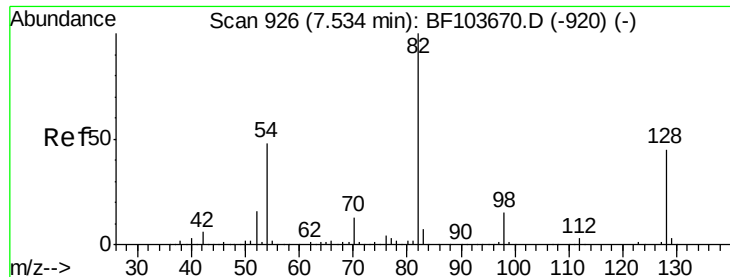
Abundance Ion 136.00 (135.70 to 136.70): E

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

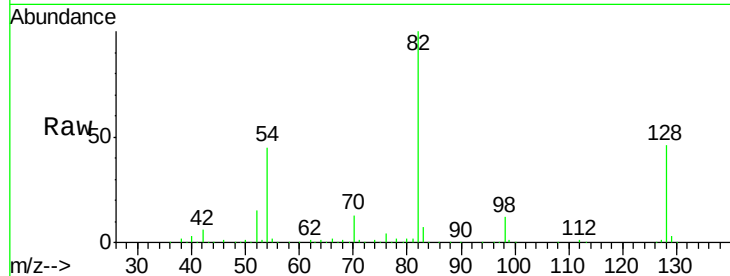




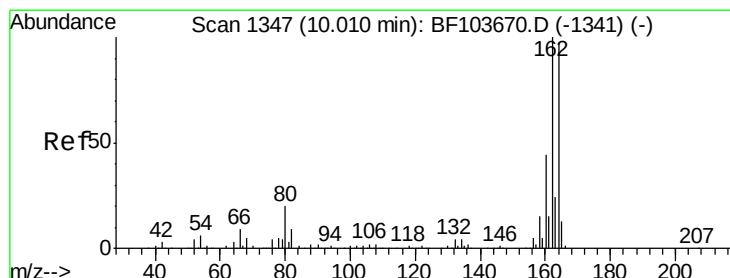
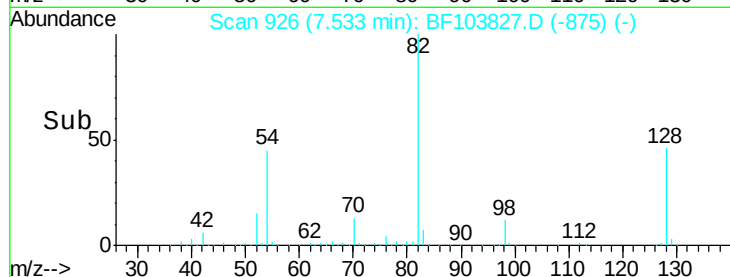
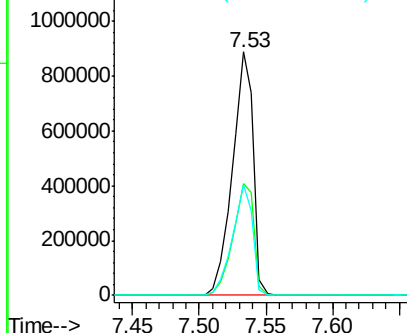
#23  
 Nitrobenzene-d5  
 Concen: 100.500 ng  
 RT: 7.53 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: BF103827.D  
 Acq: 21 Mar 2018 3:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB107522TB

Tot Ion: 82 Resp: 972052  
 Ion Ratio Lower Upper  
 82 100  
 128 46.0 36.1 54.1  
 54 45.2 41.4 62.2

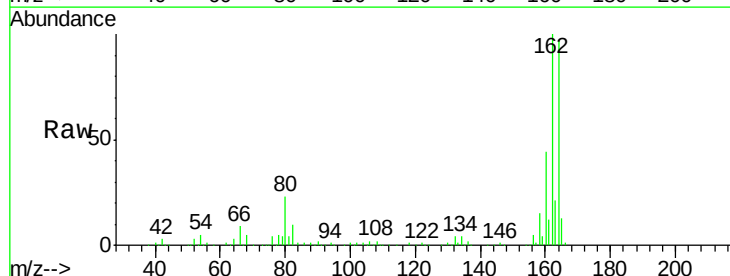


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF1

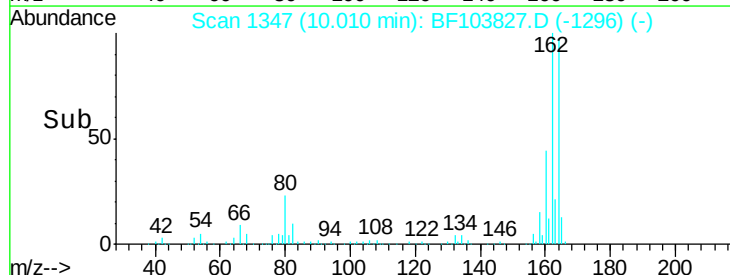
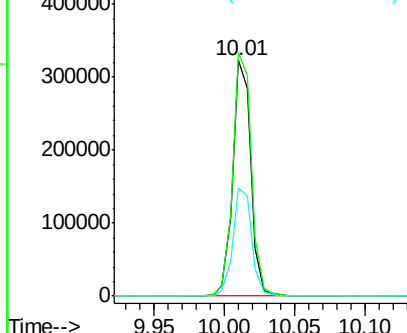


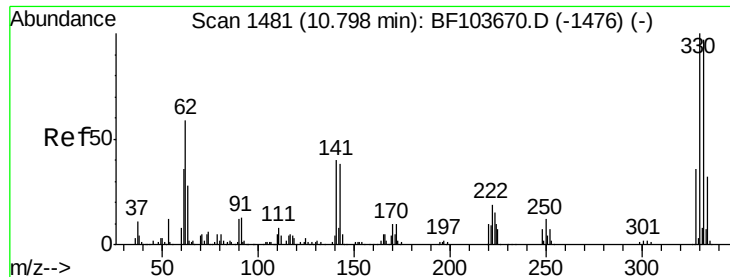
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1347  
 Delta R.T. -0.00 min  
 Lab File: BF103827.D  
 Acq: 21 Mar 2018 3:24

Tgt Ion:164 Resp: 286935  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 86.1 129.1  
 160 45.7 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

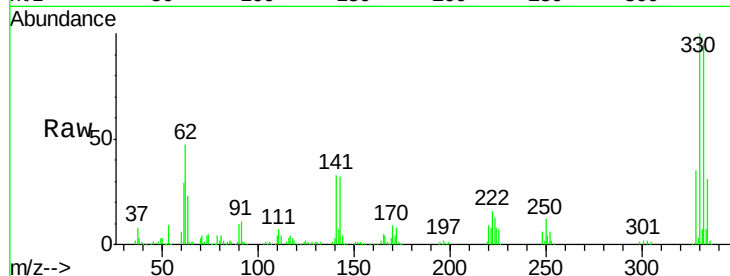




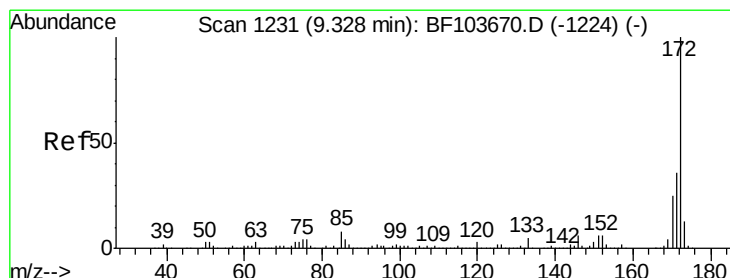
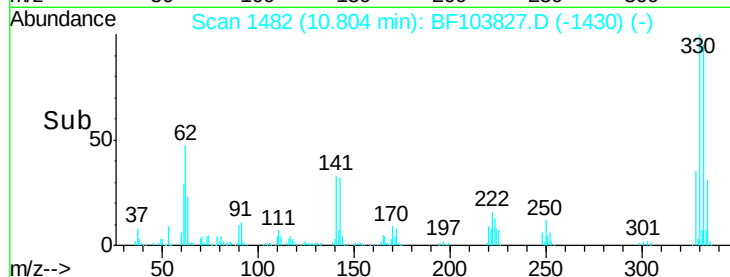
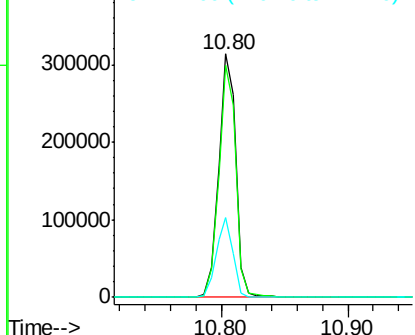
#41  
2,4,6-Tribromophenol  
Concen: 120.657 ng  
RT: 10.80 min Scan# 1482  
Delta R.T. 0.01 min  
Lab File: BF103827.D  
Acq: 21 Mar 2018 3:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB107522TB

Tot Ion:330 Resp: 297670  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.0 115.6  
141 32.4 29.9 44.9

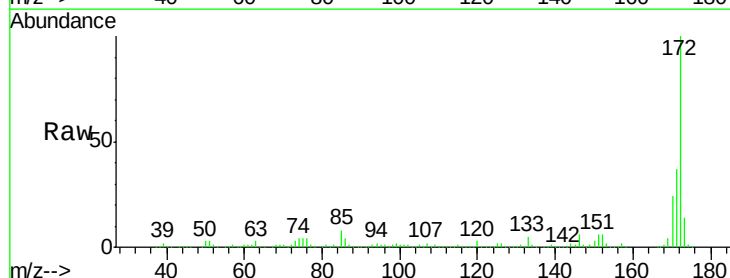


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

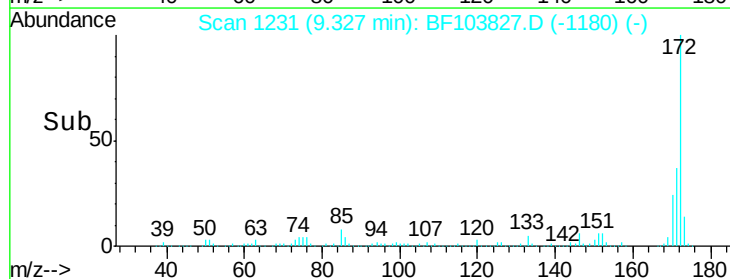
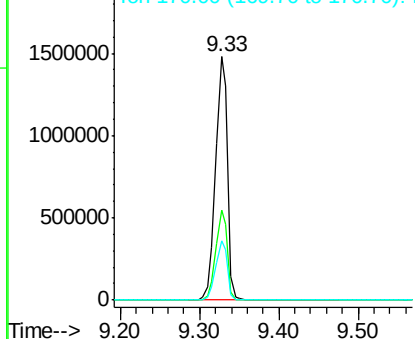


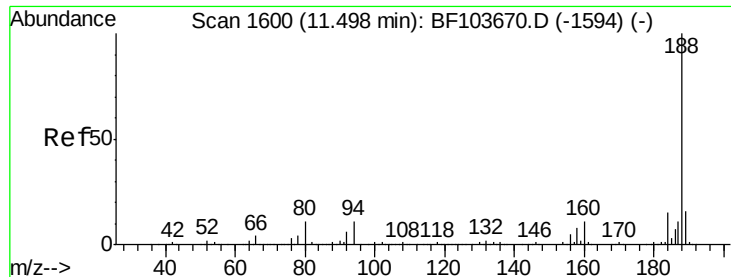
#44  
2-Fluorobiphenyl  
Concen: 85.270 ng  
RT: 9.33 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: BF103827.D  
Acq: 21 Mar 2018 3:24

Tgt Ion:172 Resp: 1533827  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.7 44.5  
170 24.3 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

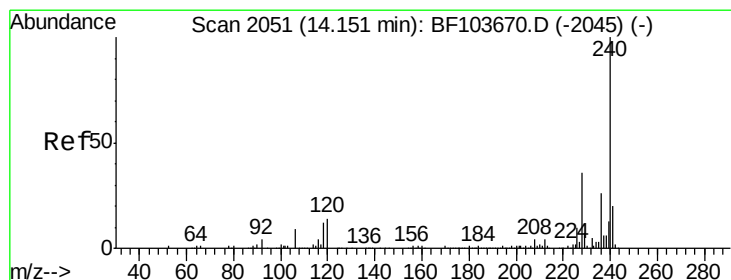
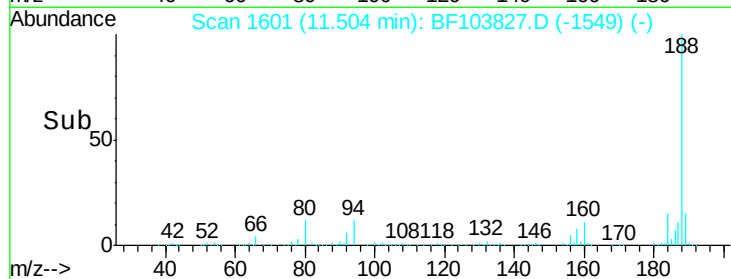
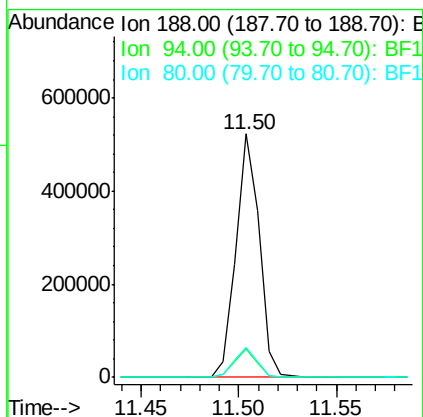
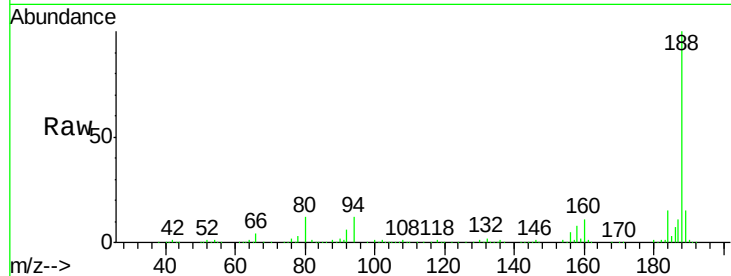




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: BF103827.D  
Acq: 21 Mar 2018 3:24

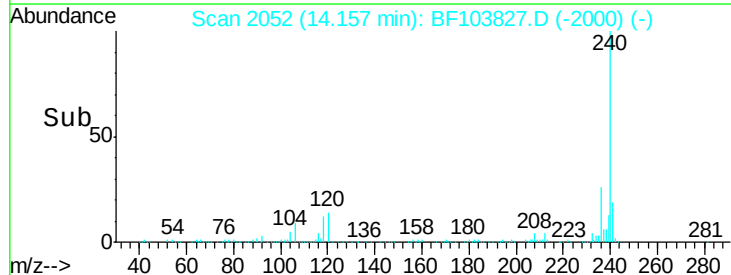
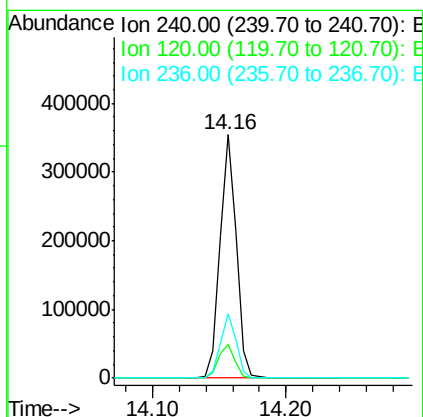
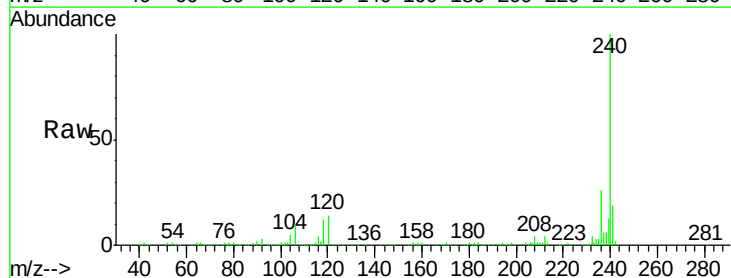
Instrument :  
BNA\_F  
ClientSampleId :  
PB107522TB

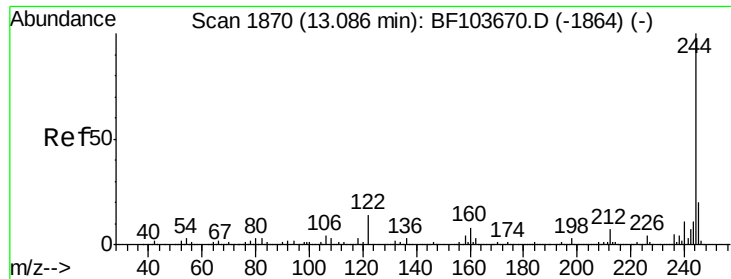
Tot Ion:188 Resp: 433760  
Ion Ratio Lower Upper  
188 100  
94 11.5 8.5 12.7  
80 12.4 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.16 min Scan# 2052  
Delta R.T. 0.01 min  
Lab File: BF103827.D  
Acq: 21 Mar 2018 3:24

Tgt Ion:240 Resp: 307484  
Ion Ratio Lower Upper  
240 100  
120 13.9 9.5 14.3  
236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 86.265 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

Instrument :

BNA\_F

ClientSampleId :

PB107522TB

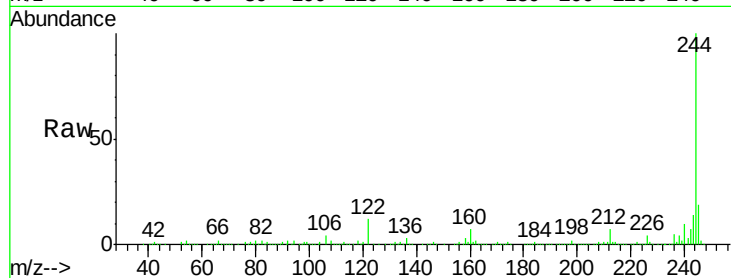
Tot Ion:244 Resp: 1142755

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

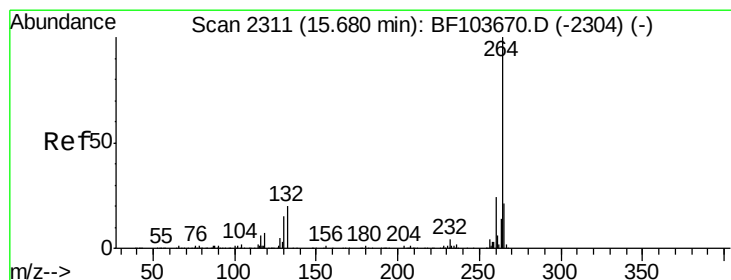
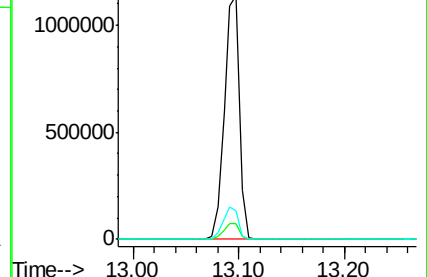
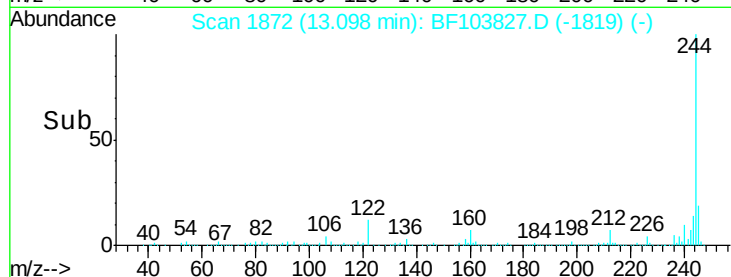
122 11.5 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103827.D

Acq: 21 Mar 2018 3:24

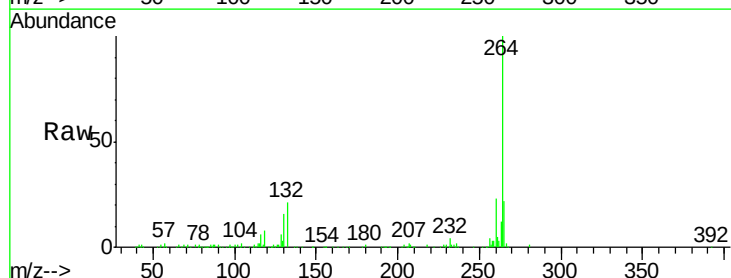
Tgt Ion:264 Resp: 261002

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.2 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

