

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\  
 Data File : BF107908.D  
 Acq On : 2 Aug 2018 14:43  
 Operator : JU/SJ  
 Sample : PB111688BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111688BL

Quant Time: Aug 02 15:53:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 30 17:48:53 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 156143   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 696714   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 327265   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.50 | 188  | 718724   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.14 | 240  | 580673   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.68 | 264  | 422338   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1230077  | 133.89 | ng    | 0.02     |
| 7) Phenol-d6                | 6.61  | 99   | 1457294  | 120.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 1010664  | 83.57  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 524718   | 118.00 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 1983971  | 84.48  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 2123435  | 79.30  | ng    | 0.00     |

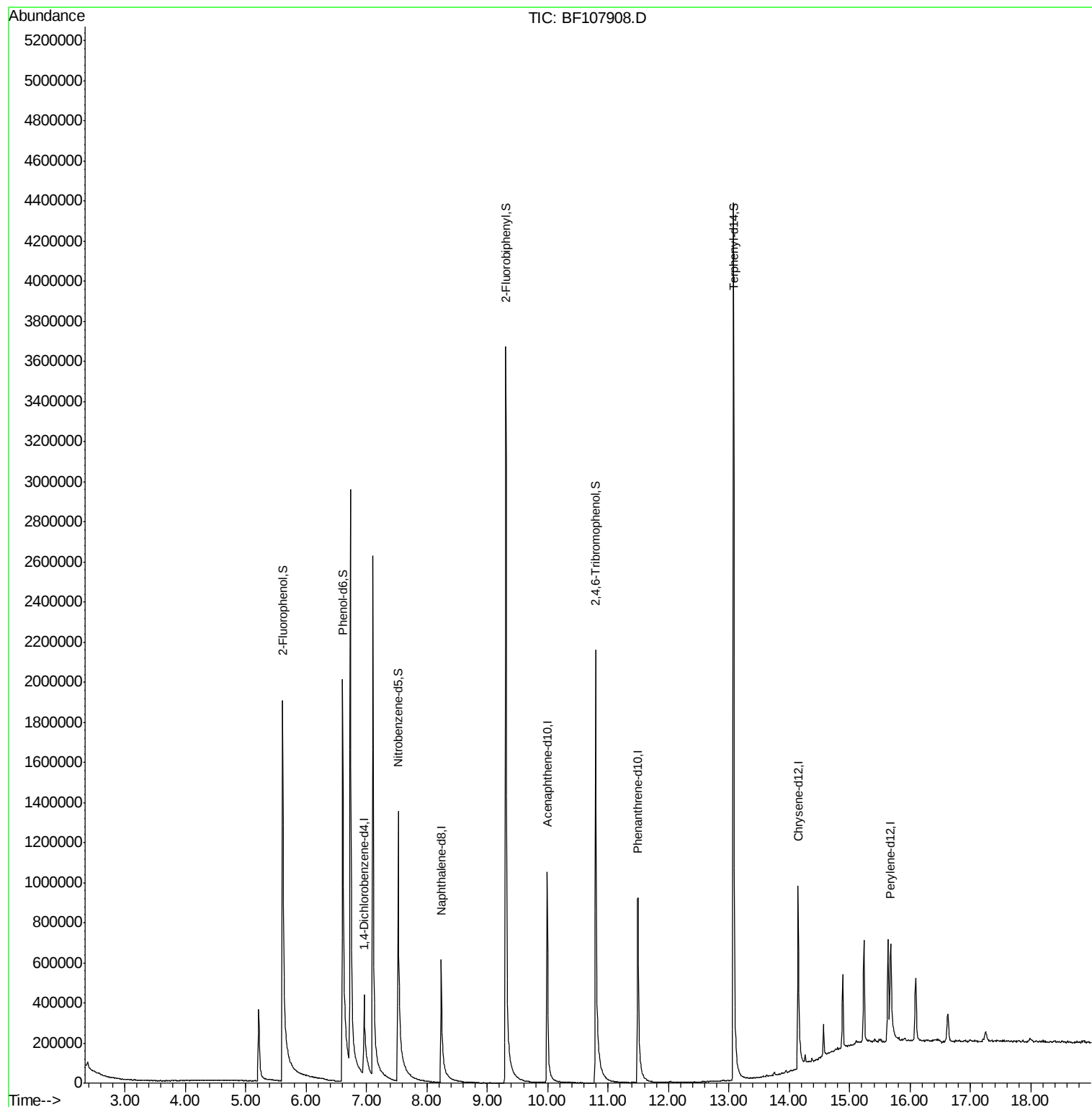
Target Compounds Qvalue

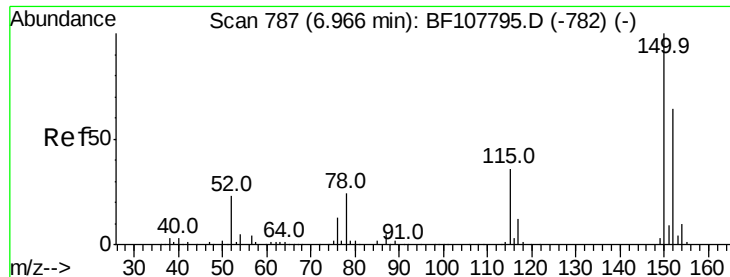
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\  
Data File : BF107908.D  
Acq On : 2 Aug 2018 14:43  
Operator : JU/SJ  
Sample : PB111688BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB111688BL

Quant Time: Aug 02 15:53:39 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 30 17:48:53 2018  
Response via : Initial Calibration



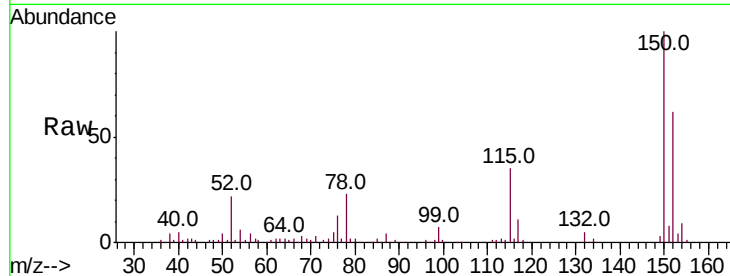


#1

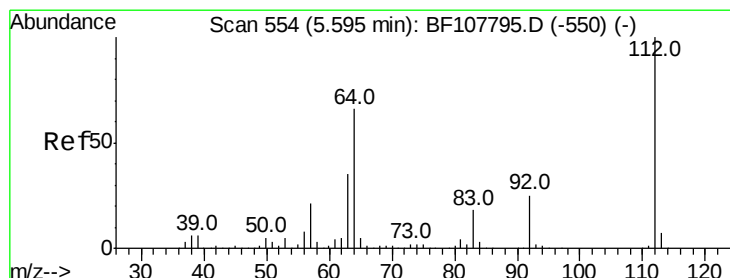
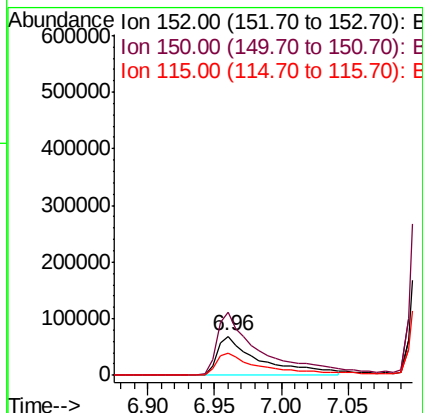
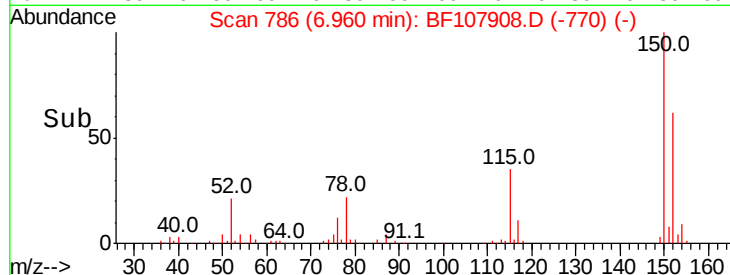
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.96 min Scan# 786  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111688BL

Tot Ion:152 Resp: 156143  
 Ion Ratio Lower Upper  
 152 100  
 150 162.3 124.6 186.8  
 115 57.4 50.1 75.1



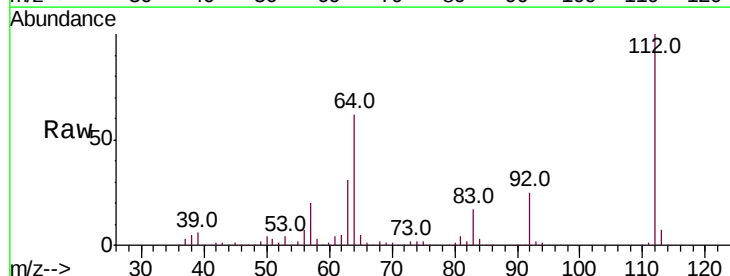
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



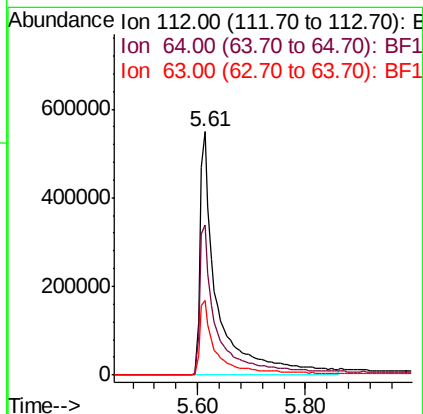
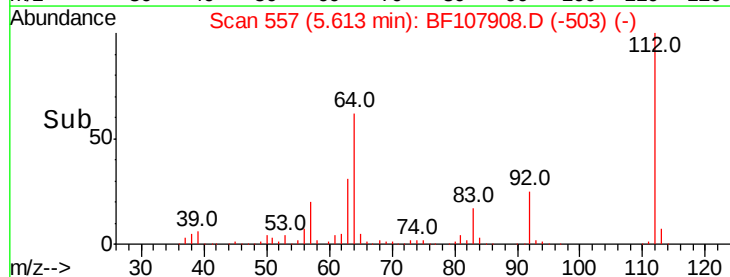
#5

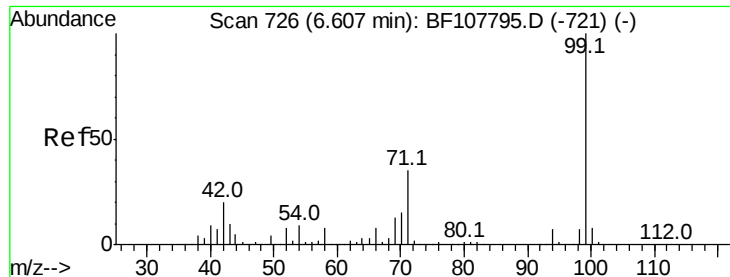
2-Fluorophenol  
 Concen: 133.888 ng  
 RT: 5.61 min Scan# 557  
 Delta R.T. 0.02 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Tgt Ion:112 Resp: 1230077  
 Ion Ratio Lower Upper  
 112 100  
 64 61.8 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: 120.354 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107908.D

Acq: 2 Aug 2018 14:43

Instrument :

BNA\_F

ClientSampleId :

PB111688BL

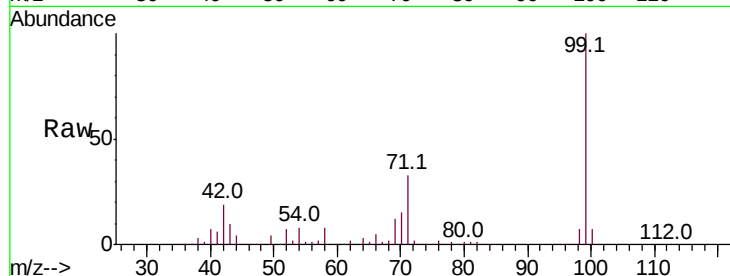
Tot Ion: 99 Resp: 1457294

Ion Ratio Lower Upper

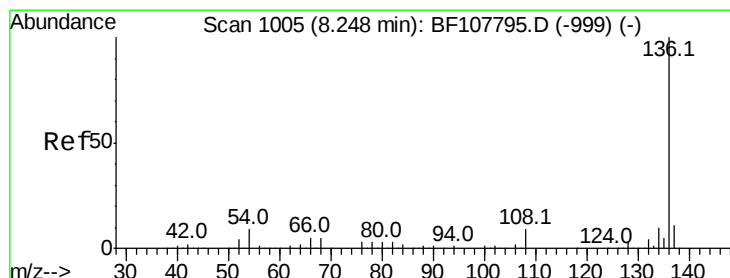
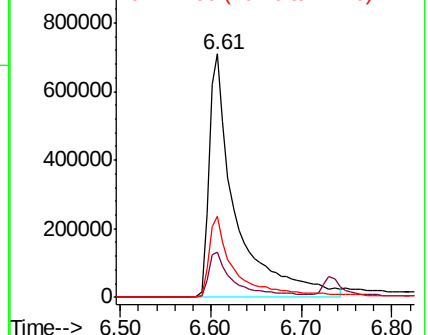
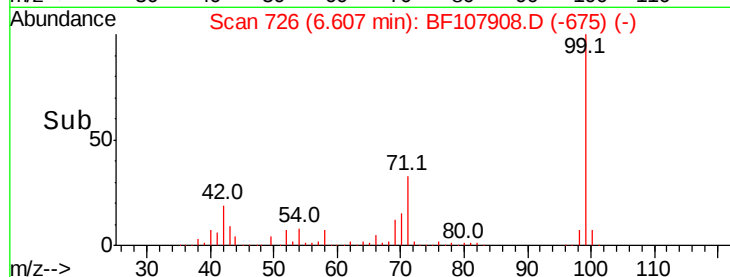
99 100

42 18.7 14.5 21.7

71 33.4 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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107908.D

Acq: 2 Aug 2018 14:43

Tgt Ion: 136 Resp: 696714

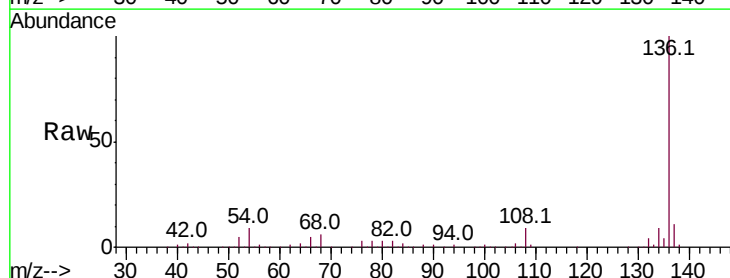
Ion Ratio Lower Upper

136 100

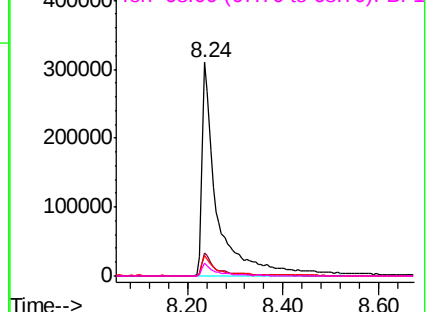
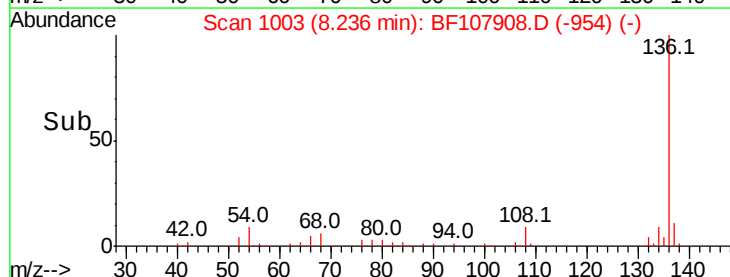
137 11.1 8.9 13.3

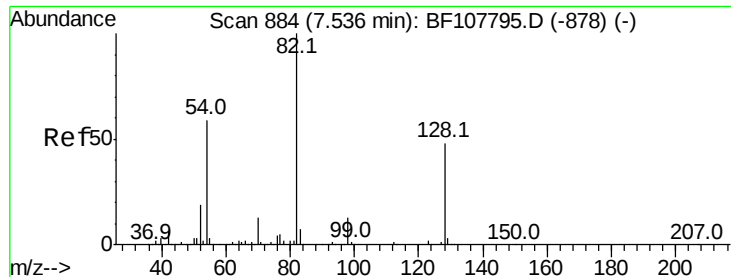
54 9.5 6.6 9.8

68 5.8 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

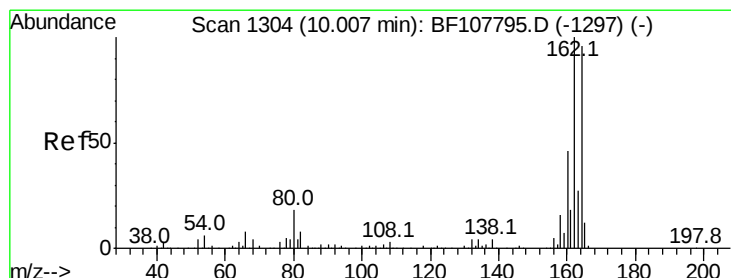
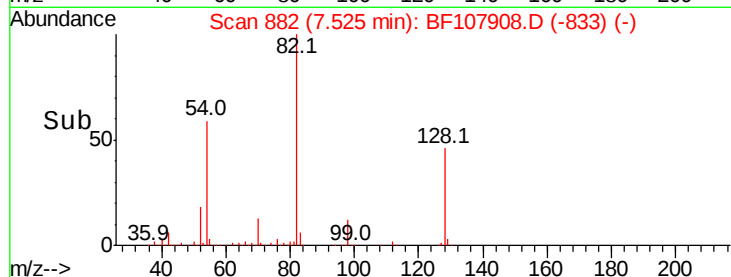
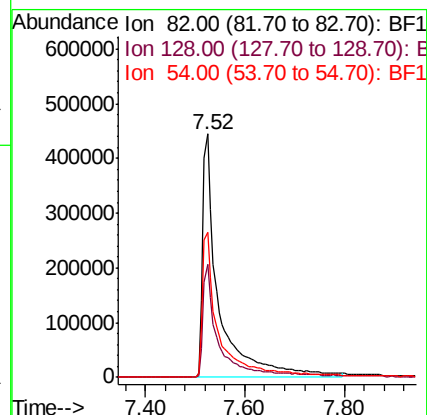
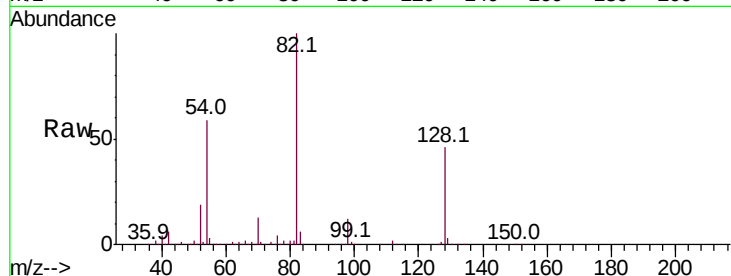




#23  
 Nitrobenzene-d5  
 Concen: 83.570 ng  
 RT: 7.52 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

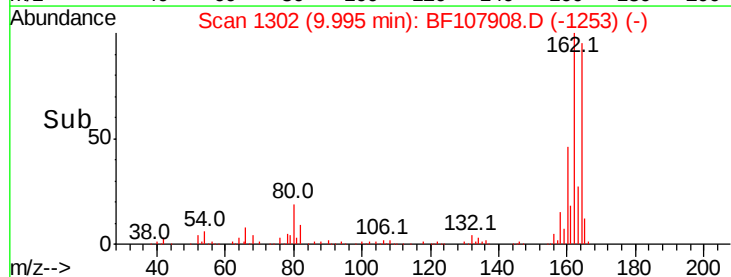
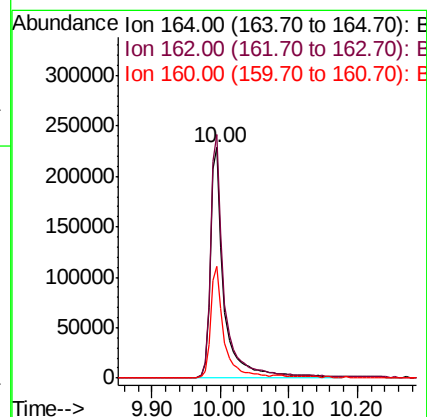
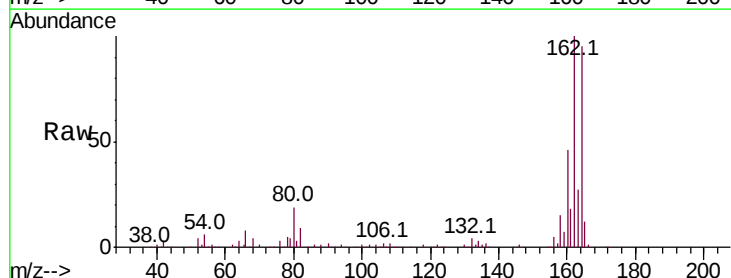
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111688BL

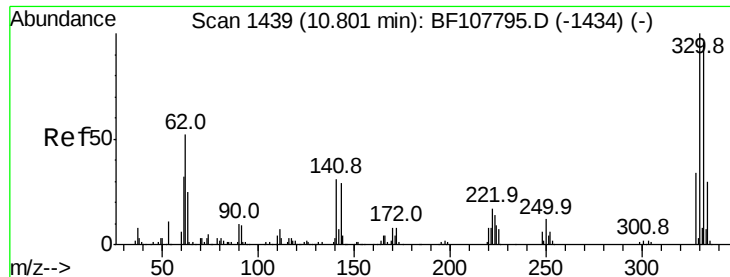
Tot Ion: 82 Resp: 1010664  
 Ion Ratio Lower Upper  
 82 100  
 128 46.4 36.1 54.1  
 54 59.4 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Tgt Ion:164 Resp: 327265  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 86.1 129.1  
 160 48.4 38.3 57.5

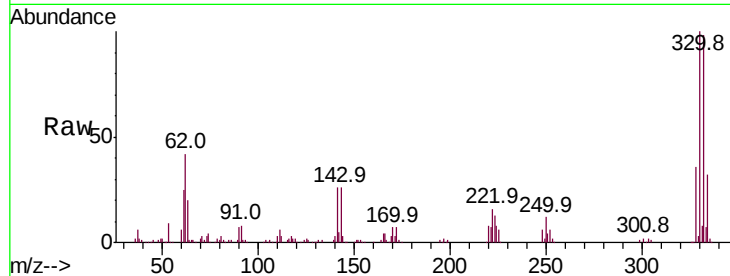




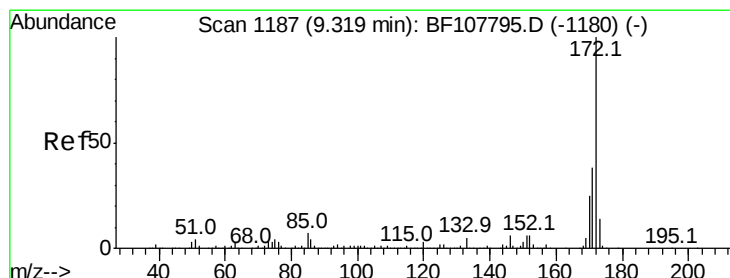
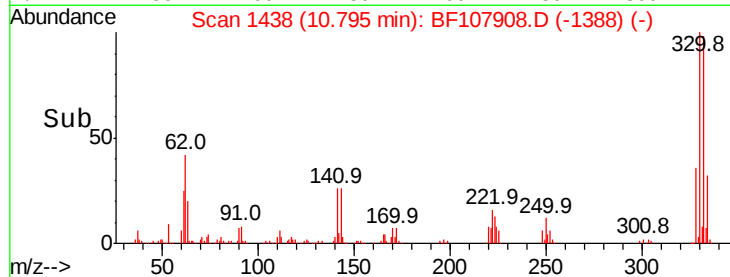
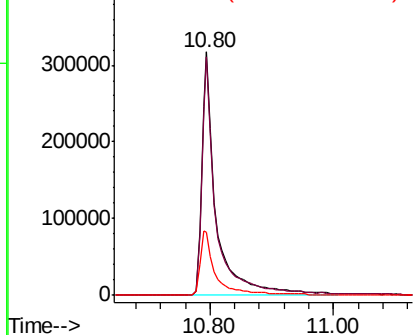
#41  
 2,4,6-Tribromophenol  
 Concen: 117.997 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111688BL

Tot Ion:330 Resp: 524718  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.0 115.6  
 141 28.3 29.9 44.9#

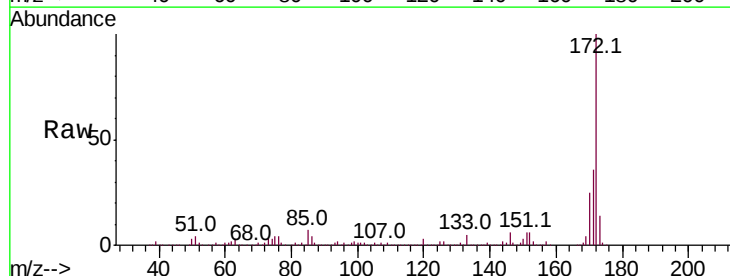


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

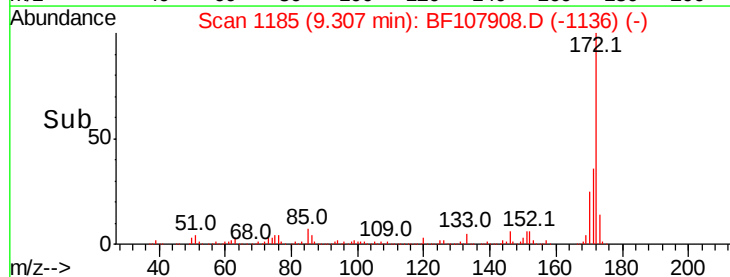
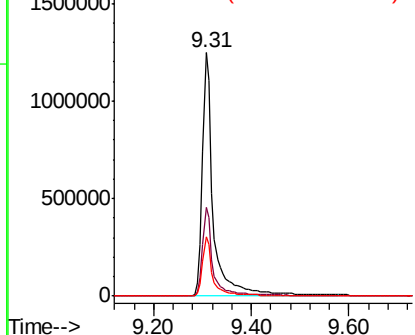


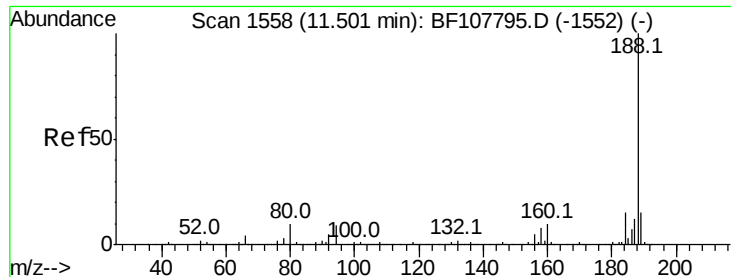
#44  
 2-Fluorobiphenyl  
 Concen: 84.477 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Tgt Ion:172 Resp: 1983971  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 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

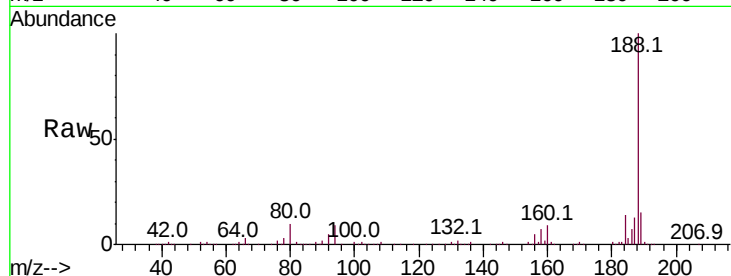




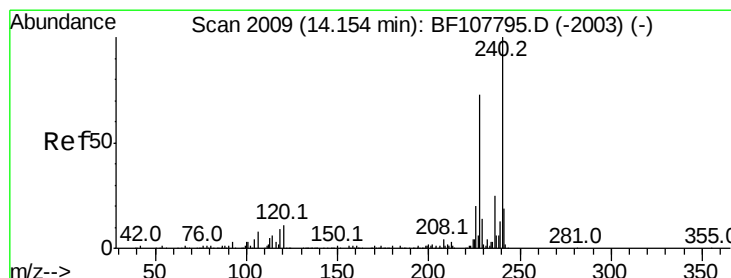
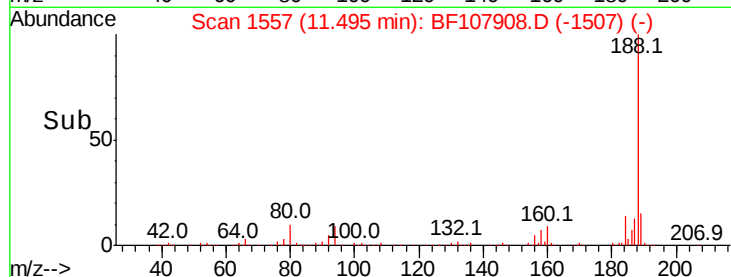
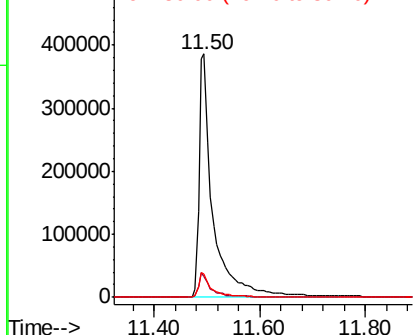
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF107908.D  
Acq: 2 Aug 2018 14:43

Instrument :  
BNA\_F  
ClientSampleId :  
PB111688BL

Tot Ion:188 Resp: 718724  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 9.5 9.2 13.8

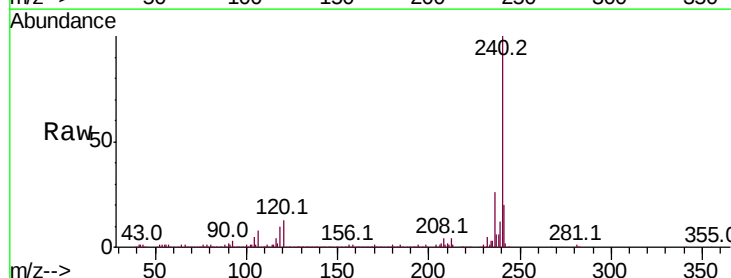


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

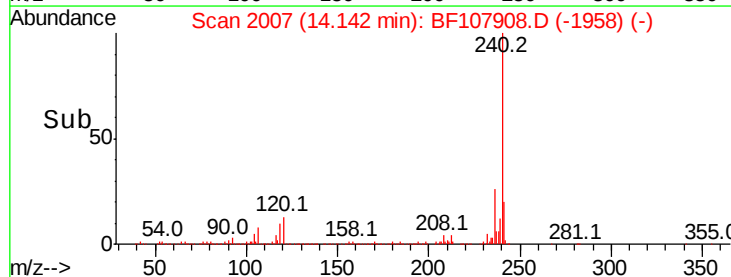
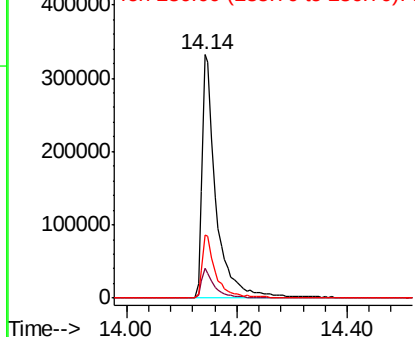


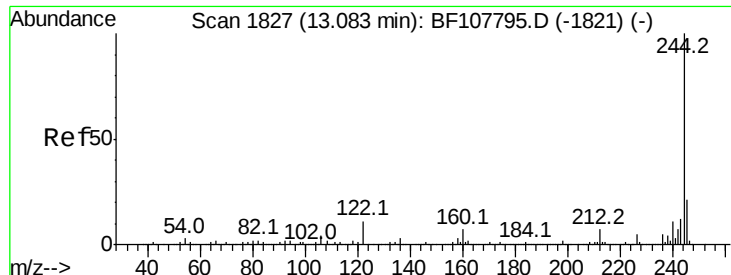
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF107908.D  
Acq: 2 Aug 2018 14:43

Tgt Ion:240 Resp: 580673  
Ion Ratio Lower Upper  
240 100  
120 12.5 9.5 14.3  
236 25.9 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

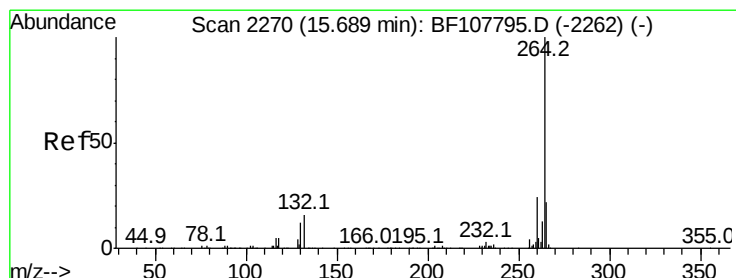
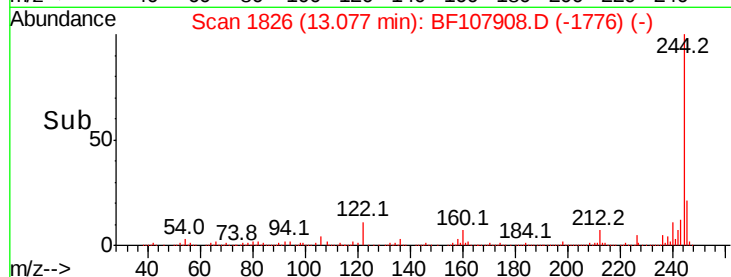
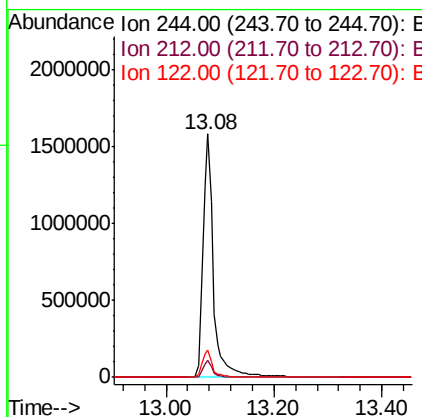
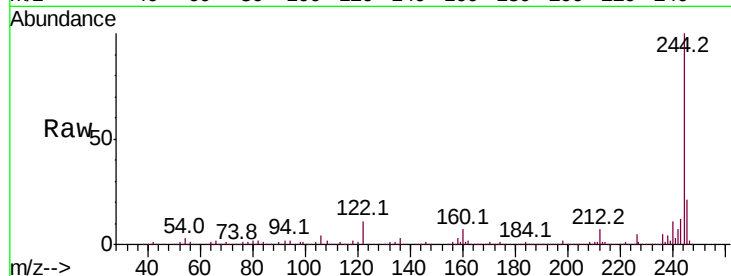




#78  
 Terphenyl-d14  
 Concen: 79.296 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB111688BL

Tot Ion:244 Resp: 2123435  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.0  
 122 11.3 11.0 16.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.01 min  
 Lab File: BF107908.D  
 Acq: 2 Aug 2018 14:43

Tgt Ion:264 Resp: 422338  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.2 28.8  
 265 21.7 17.5 26.3

