

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\  
 Data File : BF113114.D  
 Acq On : 19 Mar 2019 2:46  
 Operator : JU/SJ  
 Sample : K1947-02  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PST-028-B003-031219

Quant Time: Mar 19 07:09:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 13 03:42:55 2019  
 Response via : Initial Calibration

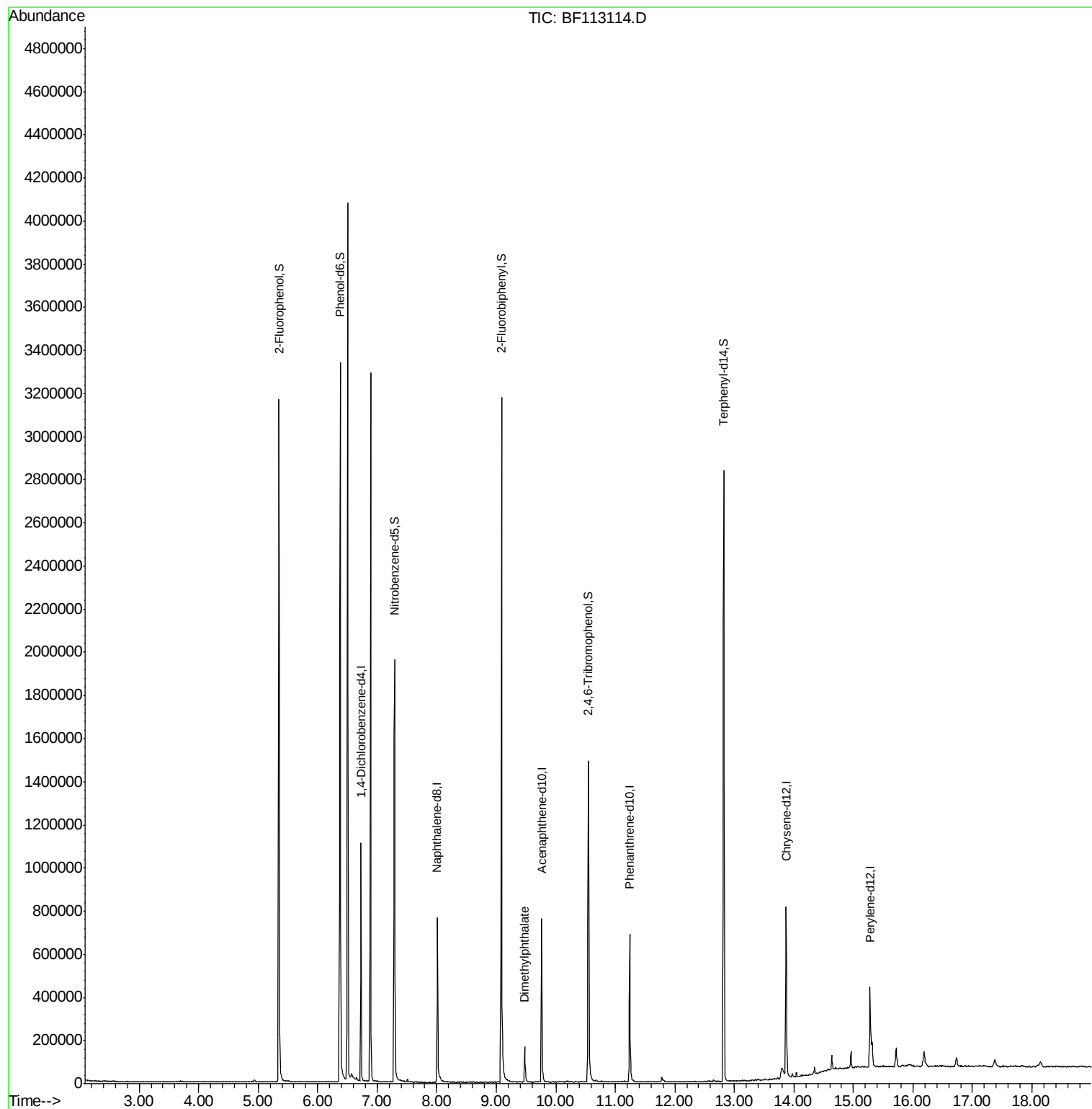
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 153249   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.01  | 136  | 410233   | 20.00  | ng    | 0.00         |
| 39) Acenaphthene-d10        | 9.76  | 164  | 171798   | 20.00  | ng    | 0.00         |
| 64) Phenanthrene-d10        | 11.24 | 188  | 312650   | 20.00  | ng    | 0.00         |
| 76) Chrysene-d12            | 13.87 | 240  | 301912   | 20.00  | ng    | 0.00         |
| 87) Perylene-d12            | 15.28 | 264  | 204327   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.35  | 112  | 938111   | 95.22  | ng    | 0.00         |
| 7) Phenol-d6                | 6.38  | 99   | 1353821  | 109.40 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 666251   | 97.18  | ng    | 0.00         |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 249848   | 136.99 | ng    | 0.00         |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 1076076  | 113.78 | ng    | 0.00         |
| 79) Terphenyl-d14           | 12.82 | 244  | 1044755  | 67.08  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 50) Dimethylphthalate       | 9.48  | 163  | 88698    | 7.002  | ng    | Qvalue<br>98 |

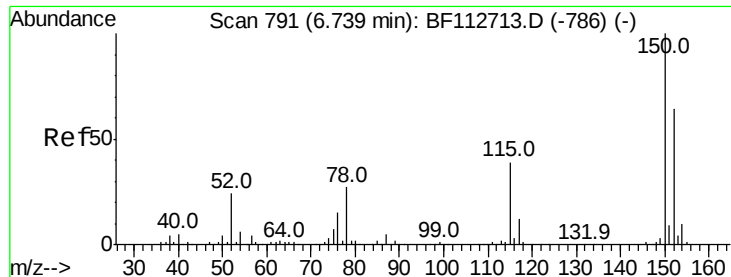
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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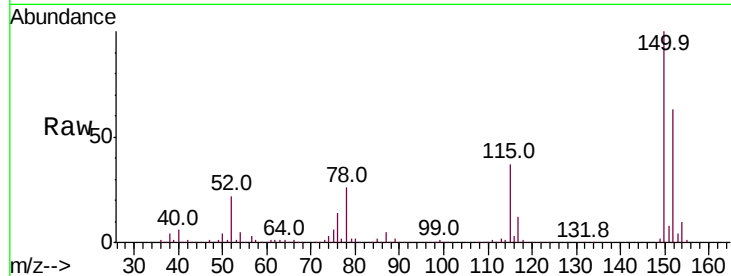


#1

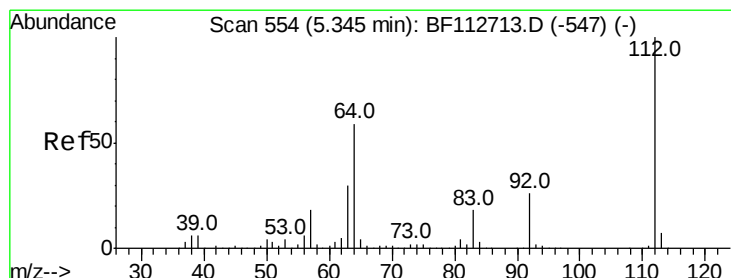
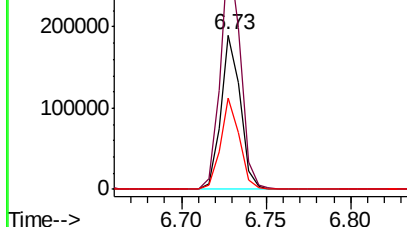
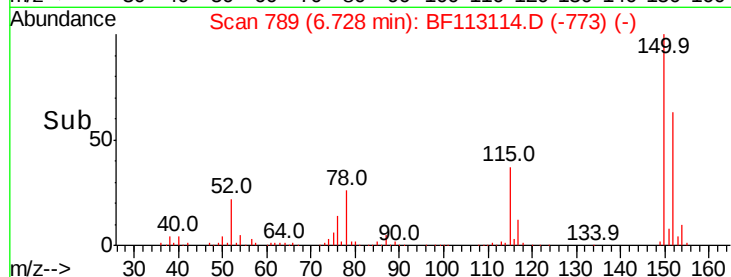
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF113114.D  
Acq: 19 Mar 2019 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
PST-028-B003-031219

Tot Ion:152 Resp: 153249  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.2 186.2  
115 59.2 48.2 72.4



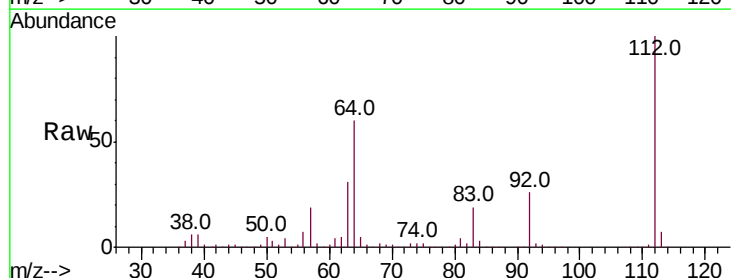
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



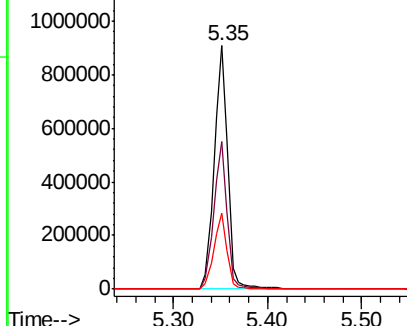
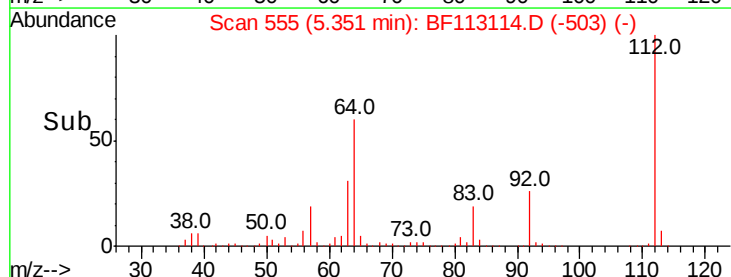
#5

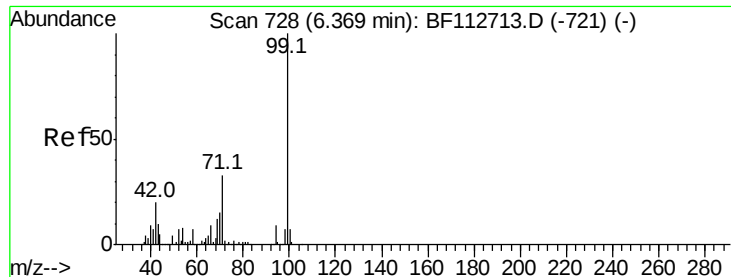
2-Fluorophenol  
Concen: 95.222 ng  
RT: 5.35 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF113114.D  
Acq: 19 Mar 2019 2:46

Tgt Ion:112 Resp: 938111  
Ion Ratio Lower Upper  
112 100  
64 60.5 47.6 71.4  
63 31.1 24.4 36.6



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: 109.395 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113114.D

Acq: 19 Mar 2019 2:46

Instrument :

BNA\_F

ClientSampleId :

PST-028-B003-031219

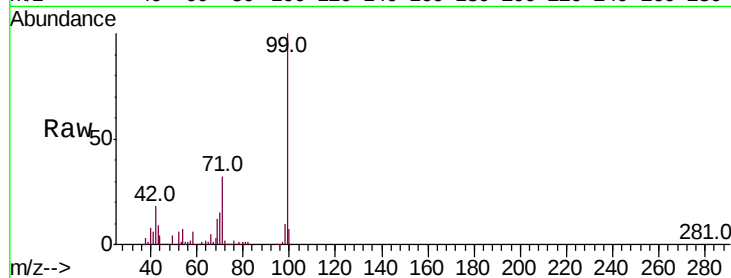
Tot Ion: 99 Resp: 1353821

Ion Ratio Lower Upper

99 100

42 18.1 16.3 24.5

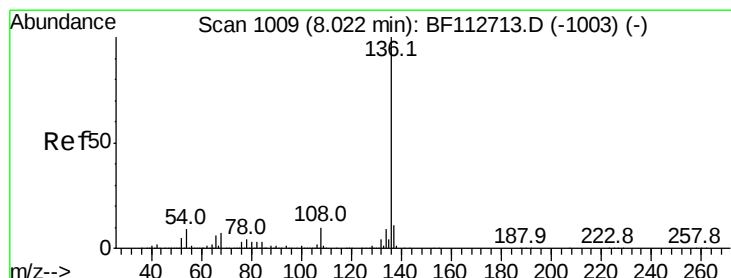
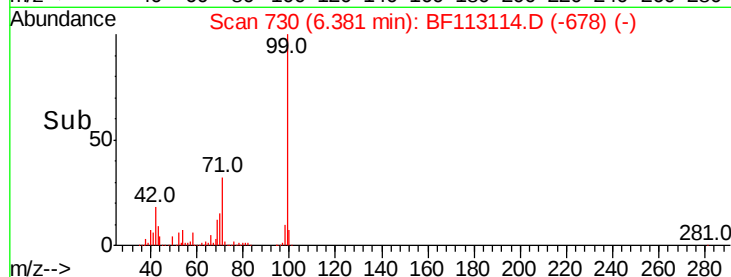
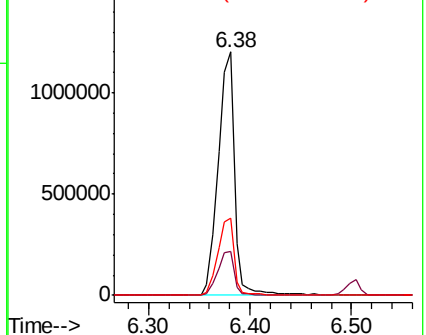
71 31.7 26.2 39.4



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113114.D

Acq: 19 Mar 2019 2:46

Tgt Ion: 136 Resp: 410233

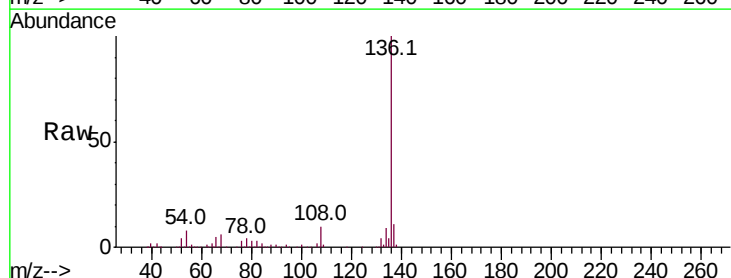
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 7.3 10.9

68 5.8 5.4 8.2

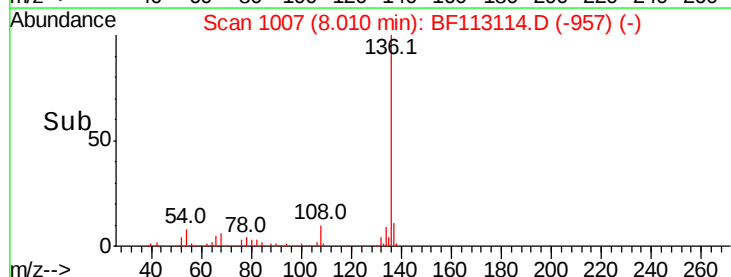
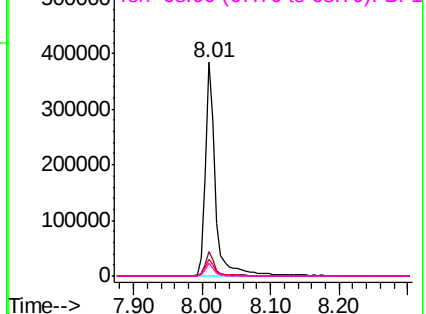


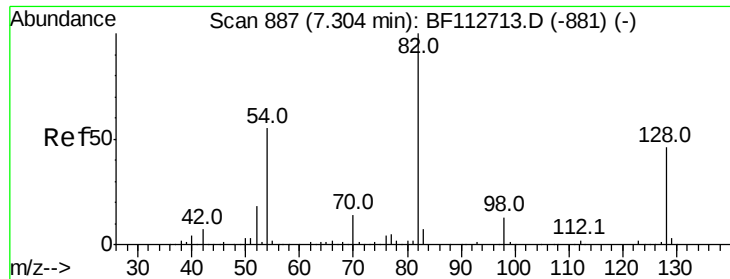
Abundance Ion 136.00 (135.70 to 136.70): E

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

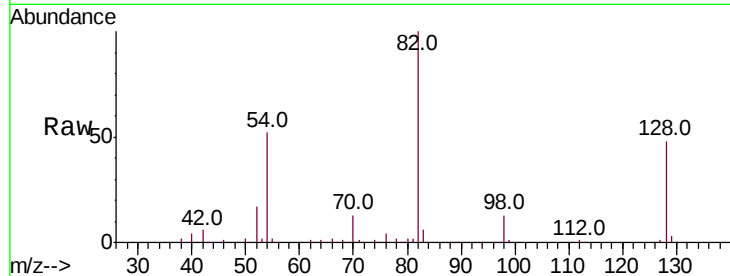




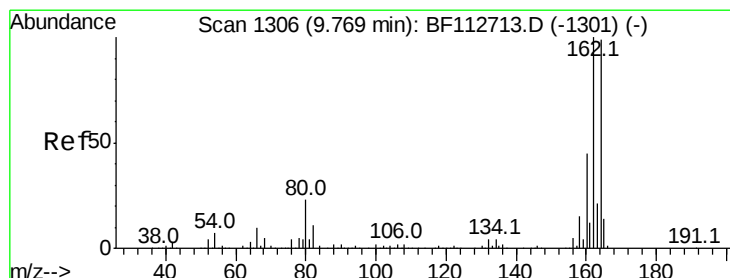
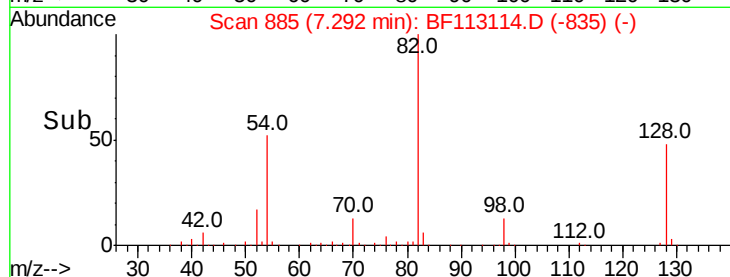
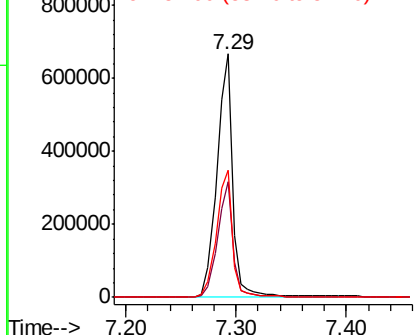
#23  
 Nitrobenzene-d5  
 Concen: 97.182 ng  
 RT: 7.29 min Scan# 885  
 Delta R.T. -0.01 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PST-028-B003-031219

Tot Ion: 82 Resp: 666251  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 36.3 54.5  
 54 52.1 43.7 65.5

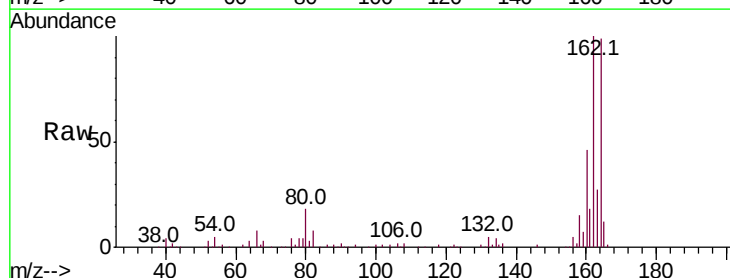


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

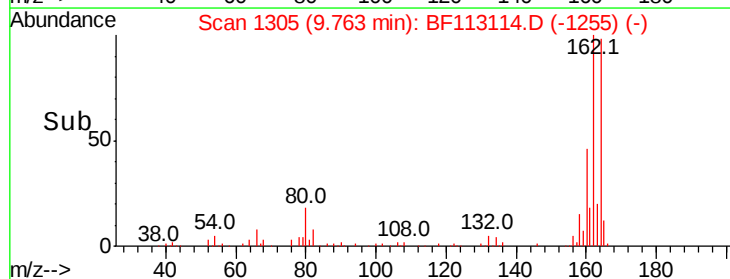
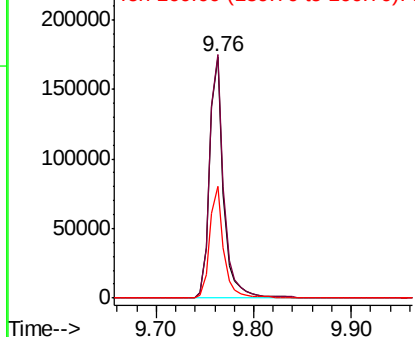


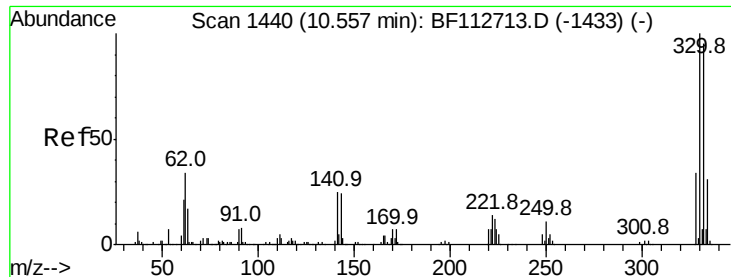
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1305  
 Delta R.T. -0.01 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Tgt Ion: 164 Resp: 171798  
 Ion Ratio Lower Upper  
 164 100  
 162 100.9 80.6 120.8  
 160 46.2 36.0 54.0



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

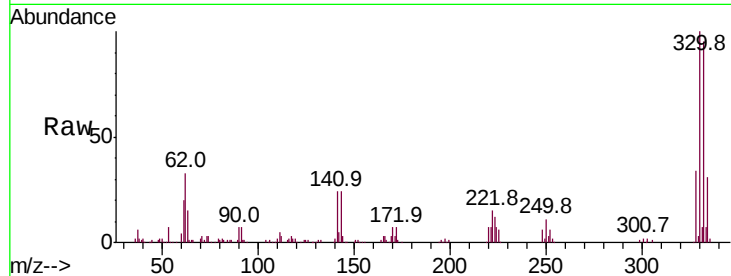




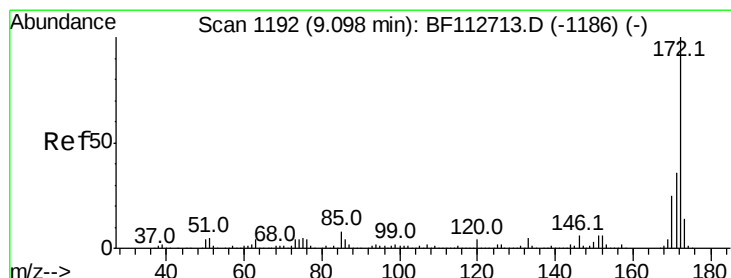
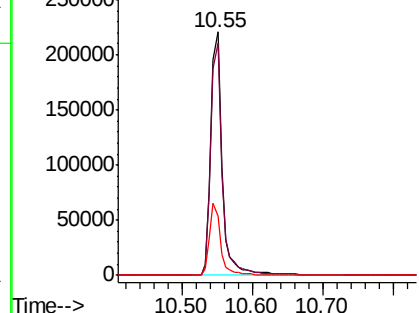
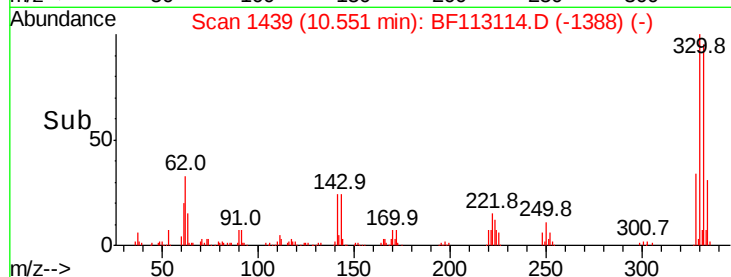
#42  
 2,4,6-Tribromophenol  
 Concen: 136.989 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PST-028-B003-031219

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 76.2  | 114.4 |
| 141     | 28.5  | 27.0  | 40.6  |

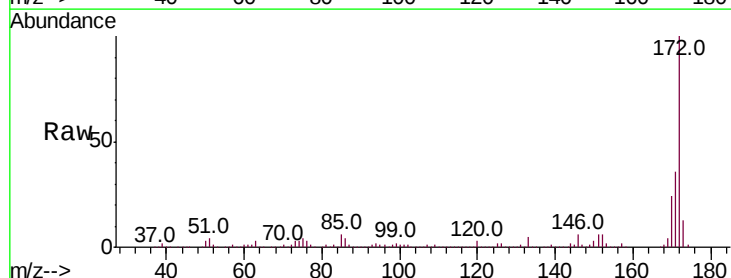


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

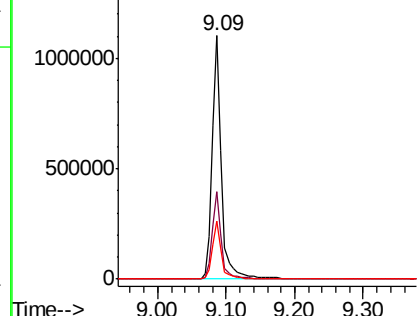
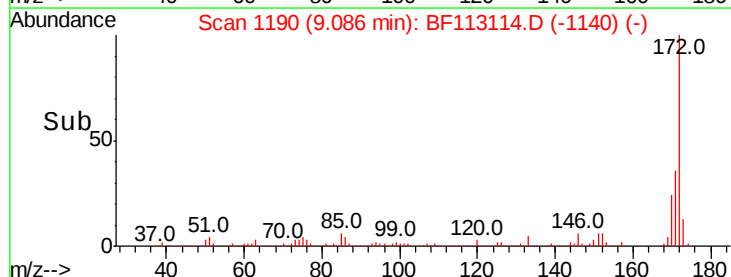


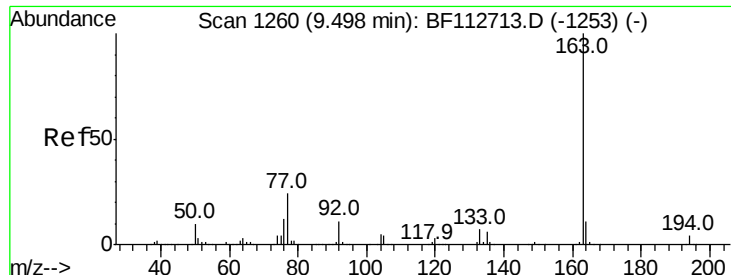
#45  
 2-Fluorobiphenyl  
 Concen: 113.784 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.0  | 43.4  |
| 170     | 23.9  | 20.0  | 30.0  |



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

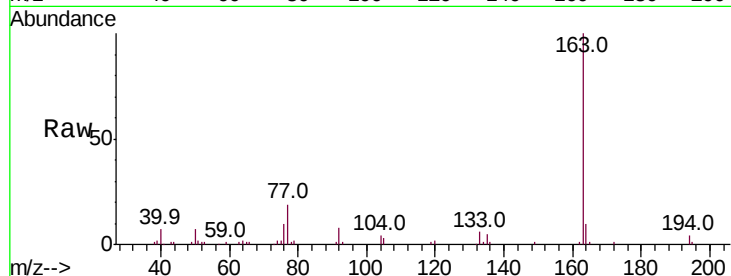




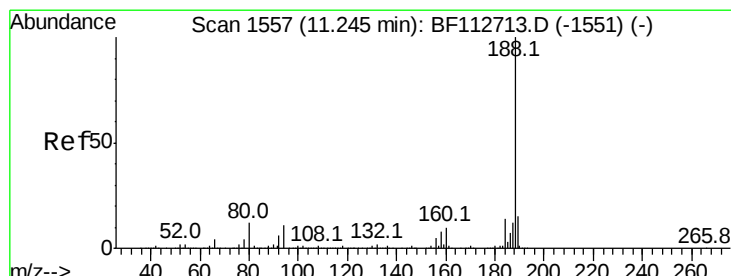
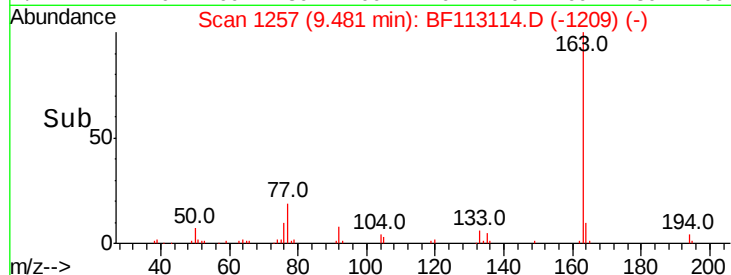
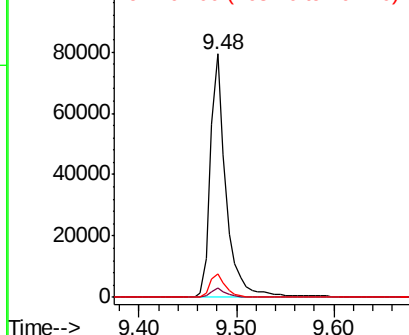
#50  
Dimethylphthalate  
Concen: 7.002 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.02 min  
Lab File: BF113114.D  
Acq: 19 Mar 2019 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
PST-028-B003-031219

Tot Ion:163 Resp: 88698  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.4  
164 9.7 8.4 12.6

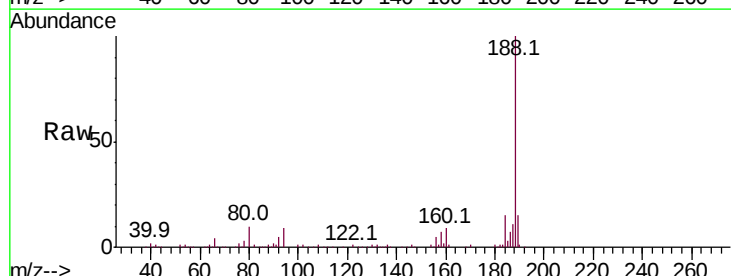


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

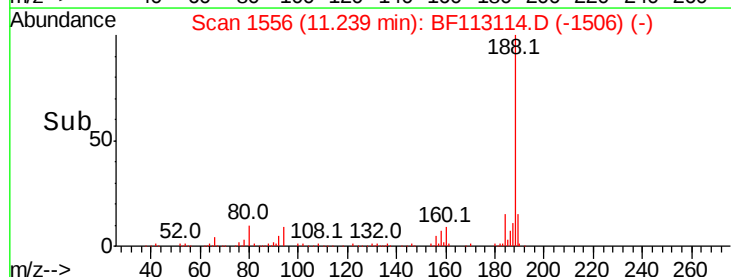
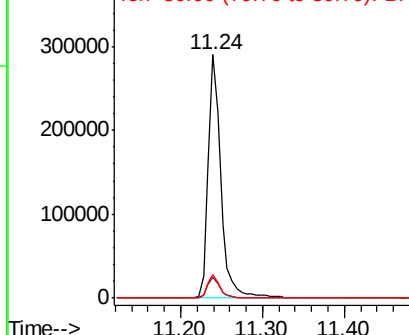


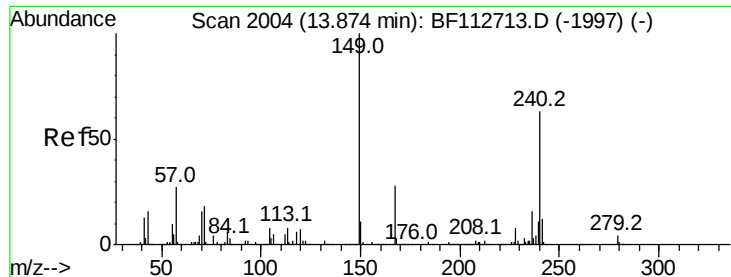
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF113114.D  
Acq: 19 Mar 2019 2:46

Tgt Ion:188 Resp: 312650  
Ion Ratio Lower Upper  
188 100  
94 8.7 9.0 13.4#  
80 9.7 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

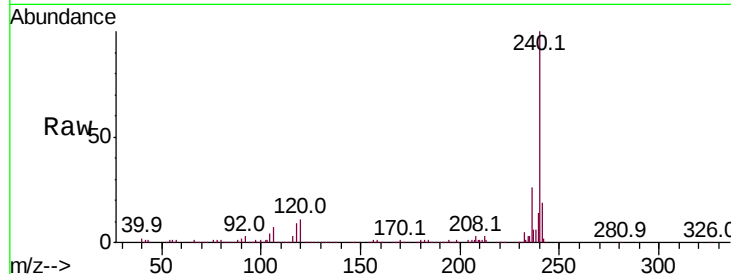




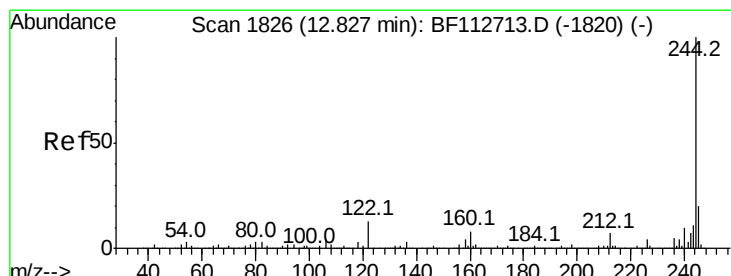
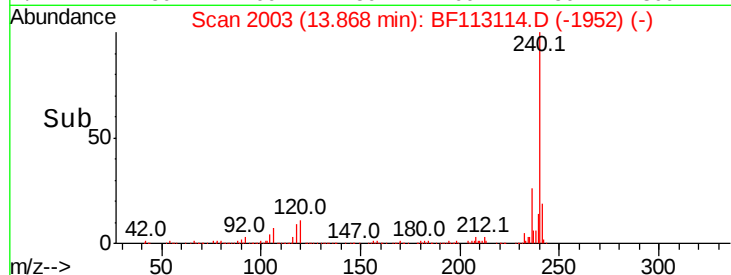
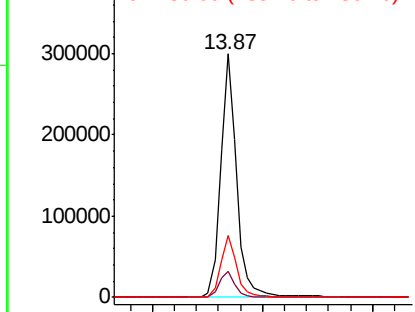
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.87 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Instrument :  
 BNA\_F  
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 PST-028-B003-031219

Tot Ion:240 Resp: 301912  
 Ion Ratio Lower Upper  
 240 100  
 120 10.6 8.9 13.3  
 236 25.5 20.7 31.1

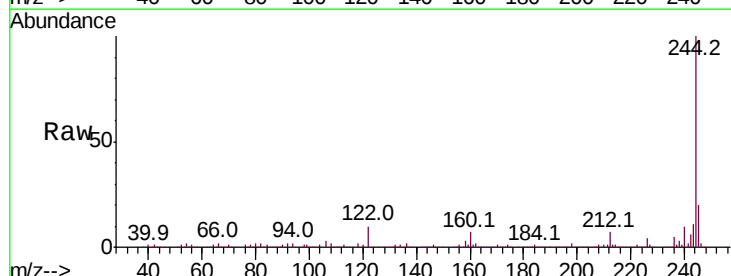


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

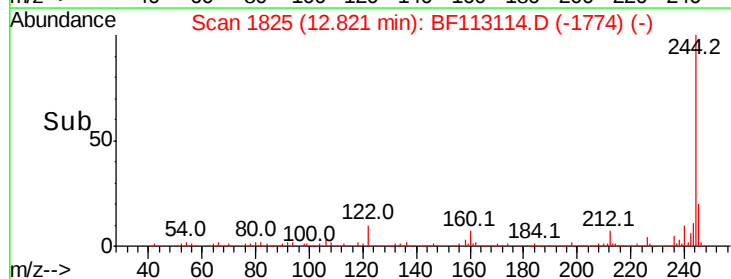
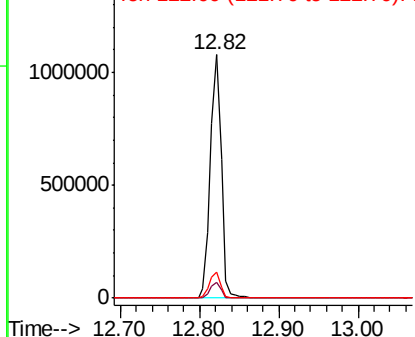


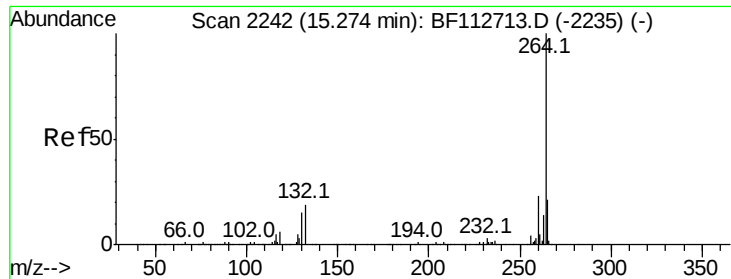
#79  
 Terphenyl-d14  
 Concen: 67.081 ng  
 RT: 12.82 min Scan# 1825  
 Delta R.T. -0.00 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Tgt Ion:244 Resp: 1044755  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.6 8.4  
 122 10.5 10.5 15.7#



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





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.28 min Scan# 2243  
 Delta R.T. 0.01 min  
 Lab File: BF113114.D  
 Acq: 19 Mar 2019 2:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PST-028-B003-031219

Tot Ion: 264 Resp: 204327  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.7 28.1  
 265 21.9 17.2 25.8

