

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF011419\  
 Data File : BF112057.D  
 Acq On : 14 Jan 2019 18:14  
 Operator : JU/SJ  
 Sample : K1135-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPSB-12(10-15)

Quant Time: Jan 14 21:05:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 11 21:37:26 2019  
 Response via : Initial Calibration

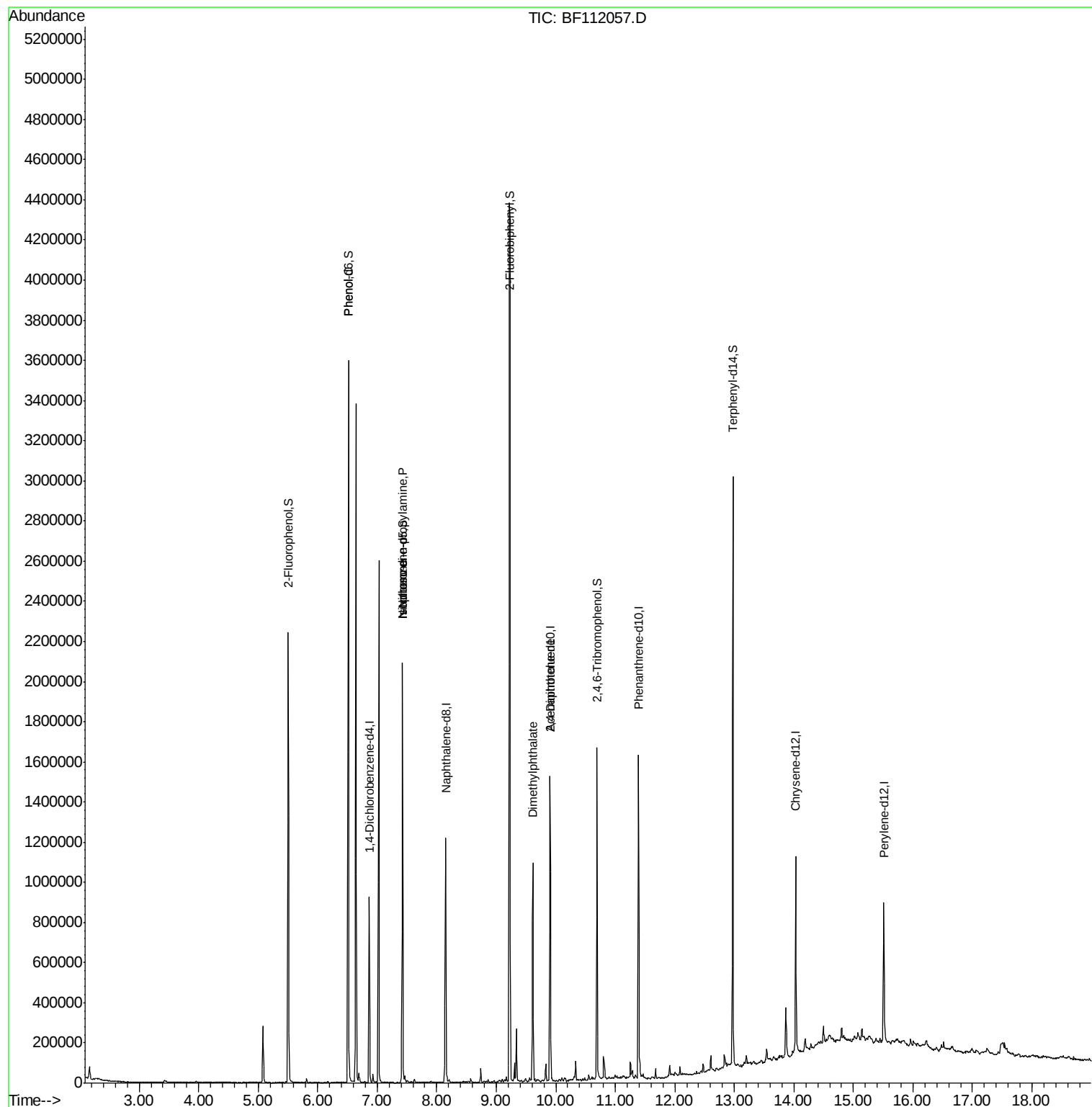
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 137101   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.15  | 136  | 561162   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 9.90  | 164  | 287182   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10           | 11.39 | 188  | 557295   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 14.03 | 240  | 307372   | 20.00     | ng     | -0.01    |
| 87) Perylene-d12               | 15.51 | 264  | 332900   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 549111   | 68.52     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 1173184  | 113.58    | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 648428   | 61.76     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.69 | 330  | 194126   | 51.97     | ng     | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.23  | 172  | 1485369  | 75.42     | ng     | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 942907   | 58.23     | ng     | -0.01    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.51  | 77   | 2103     | Below Cal | Qvalue | # 1      |
| 10) Phenol                     | 6.52  | 94   | 24392    | 2.173 ng  | #      | 80       |
| 19) n-Nitroso-di-n-propylamine | 7.43  | 70   | 88221    | 13.146 ng | #      | 78       |
| 25) Isophorone                 | 7.43  | 82   | 645254   | 37.951 ng | #      | 65       |
| 50) Dimethylphthalate          | 9.62  | 163  | 401143   | 18.594 ng |        | 100      |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165  | 36328    | 5.828 ng  | #      | 27       |

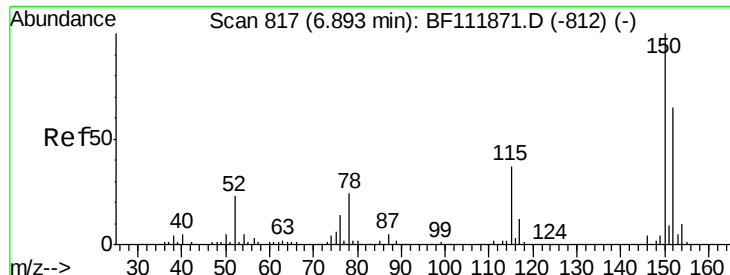
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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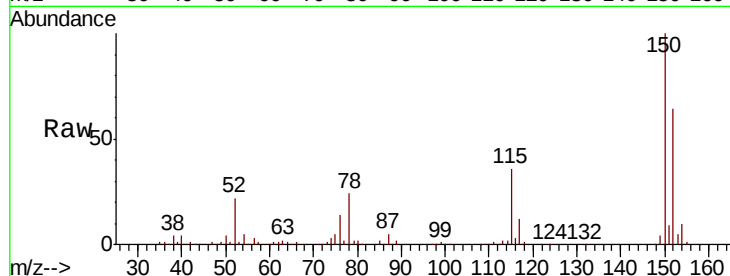


#1

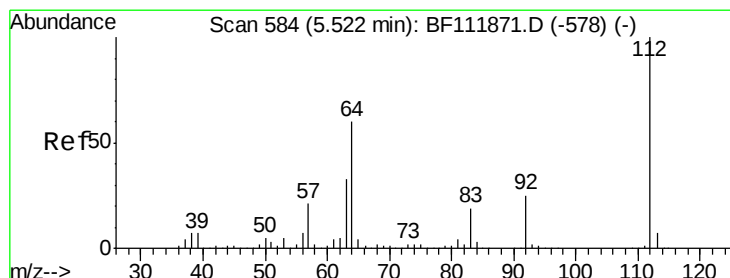
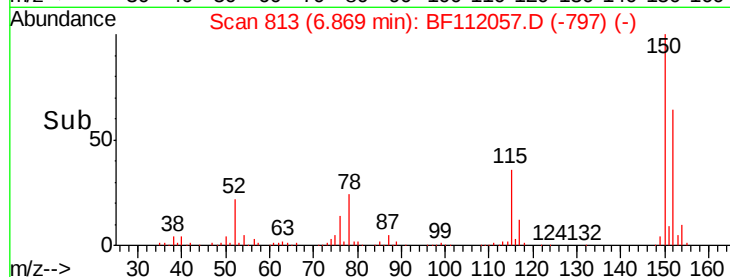
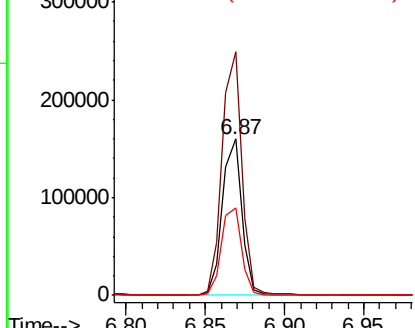
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

Instrument :  
BNA\_F  
ClientSampleId :  
CPSB-12(10-15)

Tgt Ion:152 Resp: 137101  
Ion Ratio Lower Upper  
152 100  
150 155.8 122.7 184.1  
115 55.9 45.2 67.8



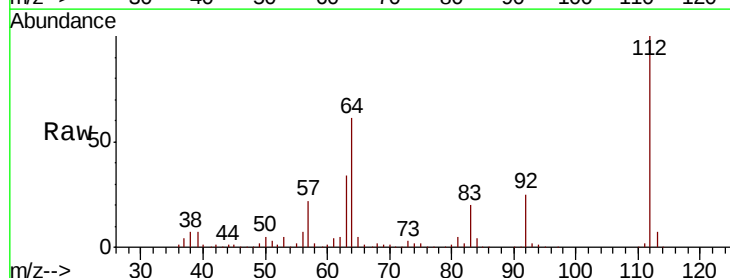
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



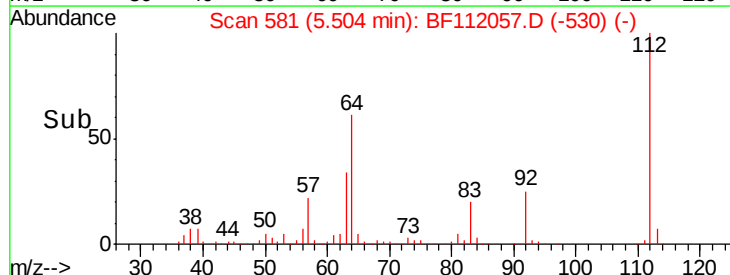
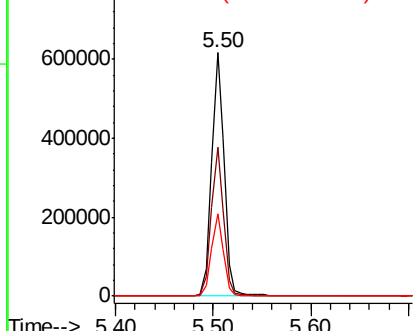
#5

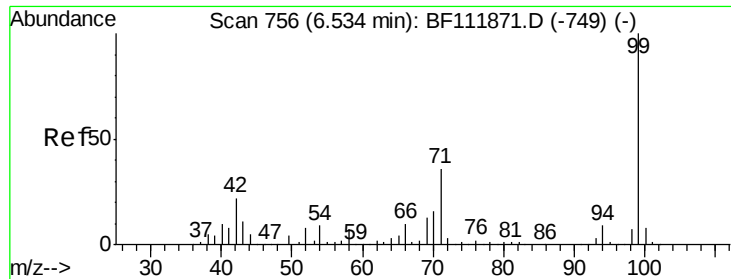
2-Fluorophenol  
Concen: 68.521 ng  
RT: 5.50 min Scan# 581  
Delta R.T. -0.00 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

Tgt Ion:112 Resp: 549111  
Ion Ratio Lower Upper  
112 100  
64 61.3 48.3 72.5  
63 33.6 26.1 39.1



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: 113.584 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF112057.D

Acq: 14 Jan 2019 18:14

Instrument :

BNA\_F

ClientSampleId :

CPSB-12(10-15)

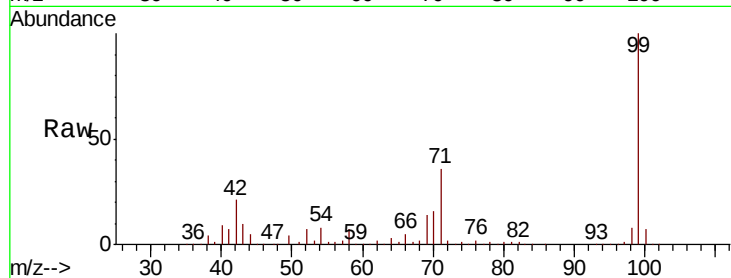
Tgt Ion: 99 Resp: 1173184

Ion Ratio Lower Upper

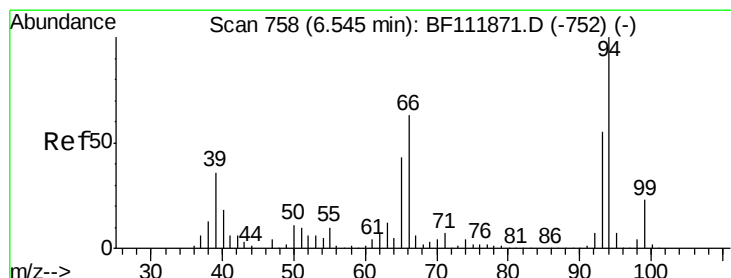
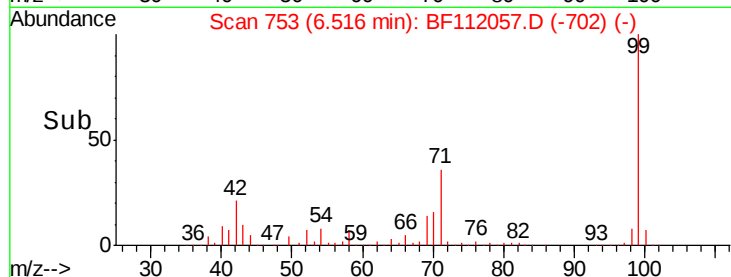
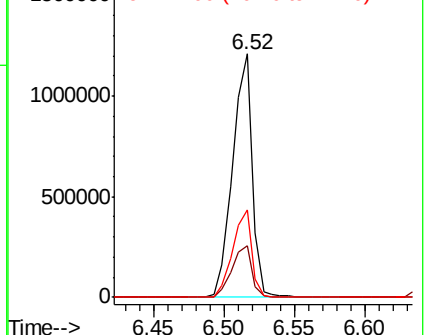
99 100

42 21.3 17.9 26.9

71 35.7 28.7 43.1



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



#10

Phenol

Concen: 2.173 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF112057.D

Acq: 14 Jan 2019 18:14

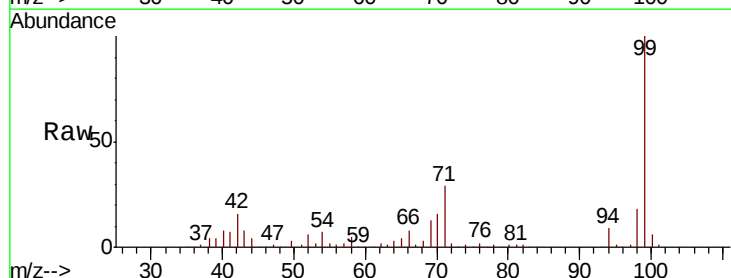
Tgt Ion: 94 Resp: 24392

Ion Ratio Lower Upper

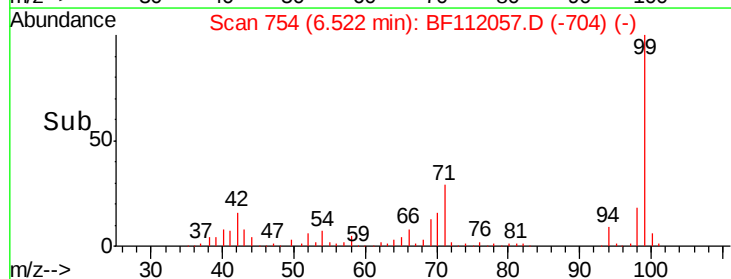
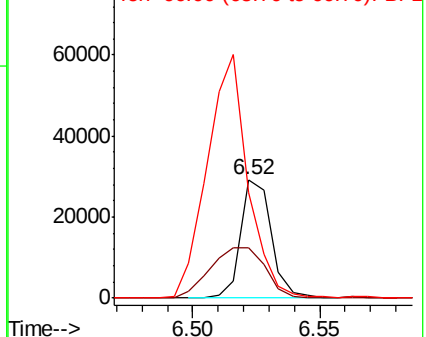
94 100

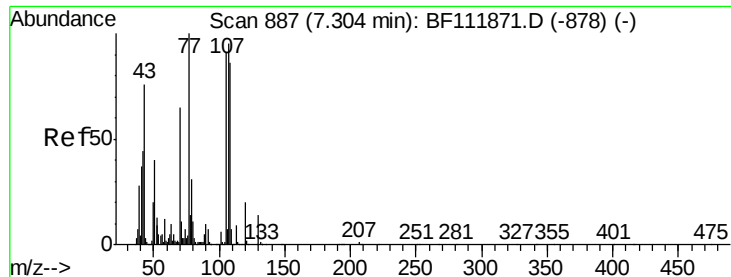
65 43.0 22.8 62.8

66 89.3 43.3 83.3#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

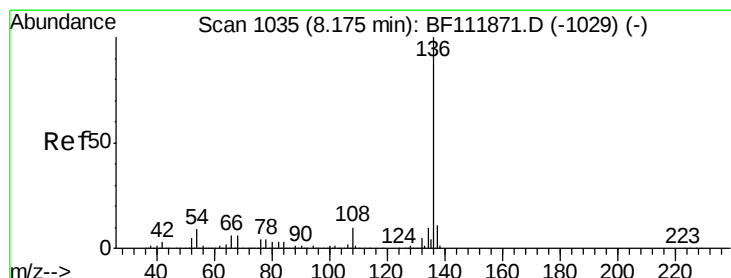
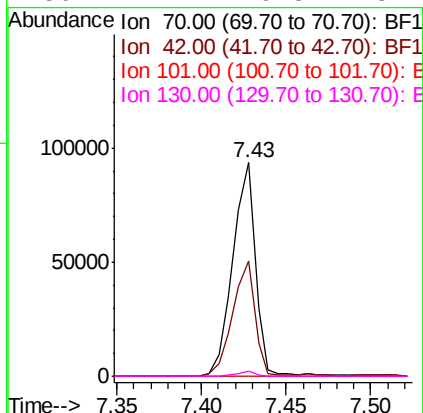
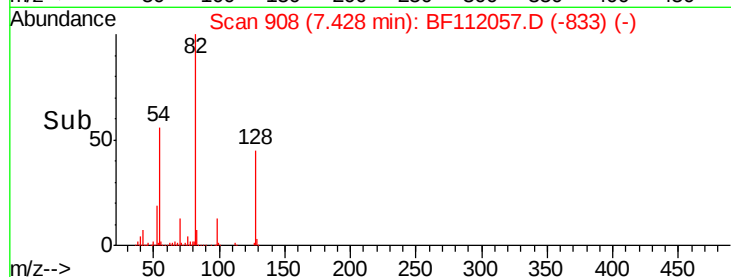
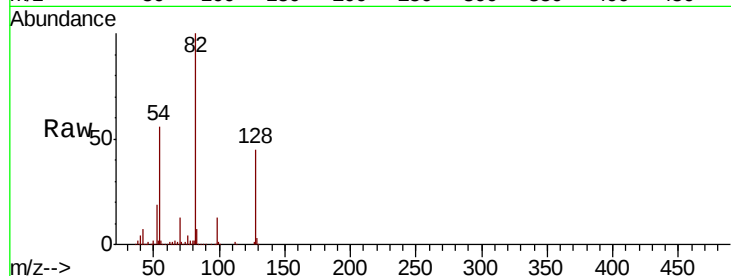




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.146 ng  
RT: 7.43 min Scan# 908  
Delta R.T. 0.14 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

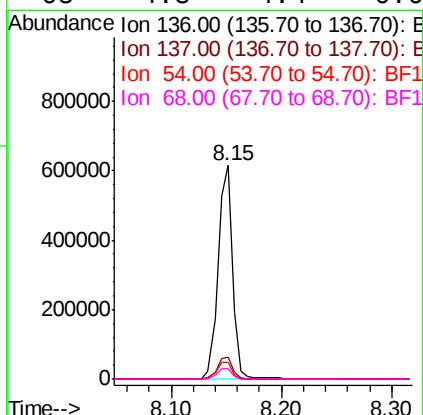
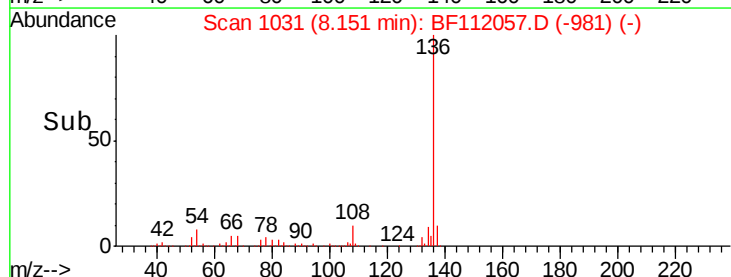
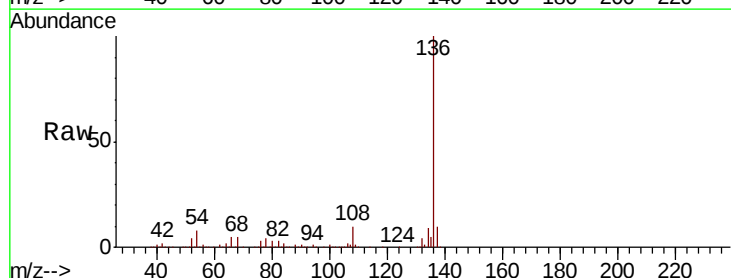
Instrument :  
BNA\_F  
ClientSampleId :  
CPSB-12(10-15)

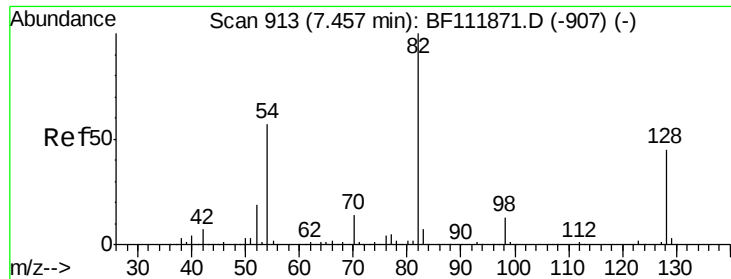
Tgt Ion: 70 Resp: 88221  
Ion Ratio Lower Upper  
70 100  
42 54.2 53.6 80.4  
101 0.0 7.3 10.9#  
130 2.2 16.8 25.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1031  
Delta R.T. -0.01 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

Tgt Ion: 136 Resp: 561162  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.1 13.7  
54 7.8 7.2 10.8  
68 4.8 4.4 6.6

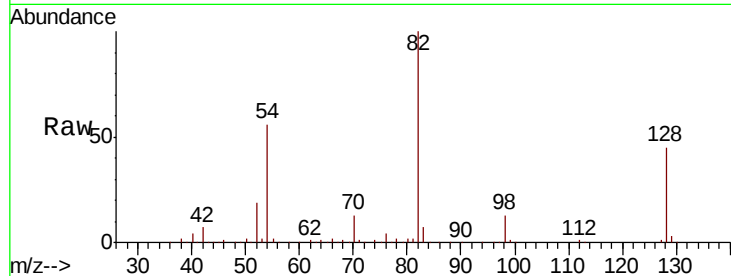




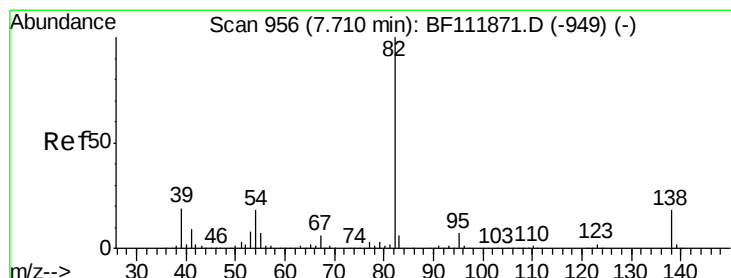
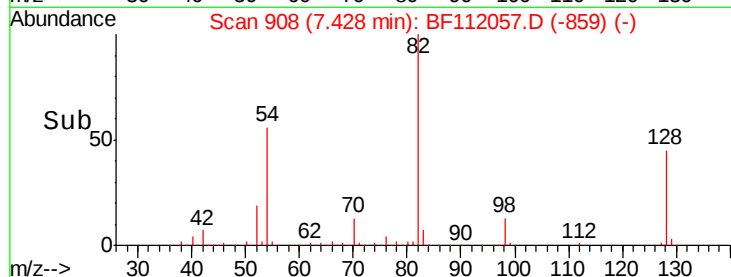
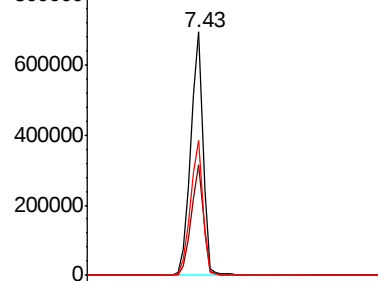
#23  
 Nitrobenzene-d5  
 Concen: 61.757 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.01 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPSB-12(10-15)

Tgt Ion: 82 Resp: 648428  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 35.7 53.5  
 54 55.5 45.8 68.8

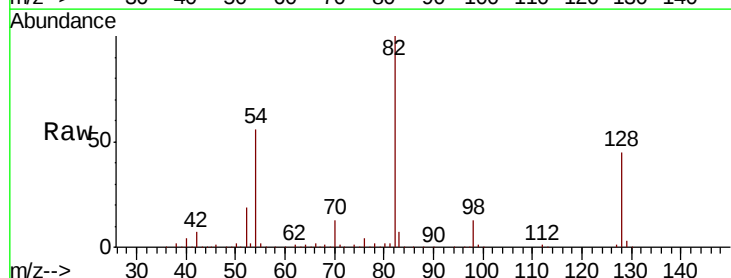


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

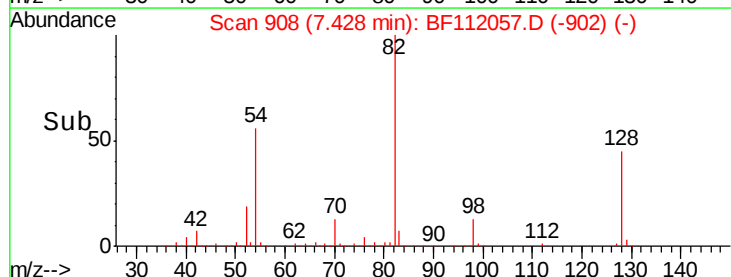
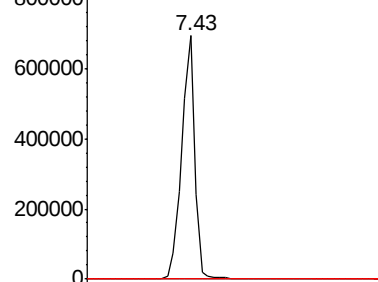


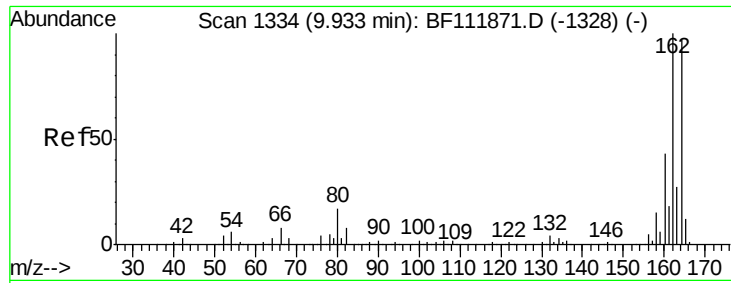
#25  
 Isophorone  
 Concen: 37.951 ng  
 RT: 7.43 min Scan# 908  
 Delta R.T. -0.26 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Tgt Ion: 82 Resp: 645254  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.8 8.6#  
 138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 95.00 (94.70 to 95.70): BF1  
 Ion 138.00 (137.70 to 138.70): BF1

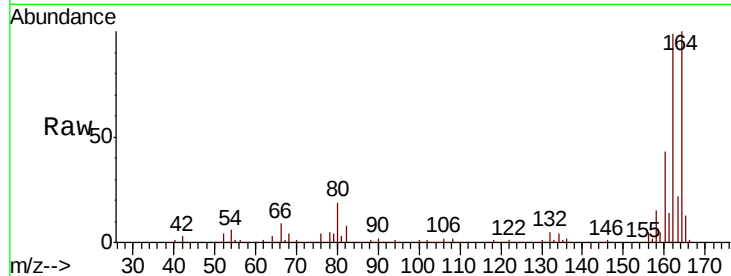




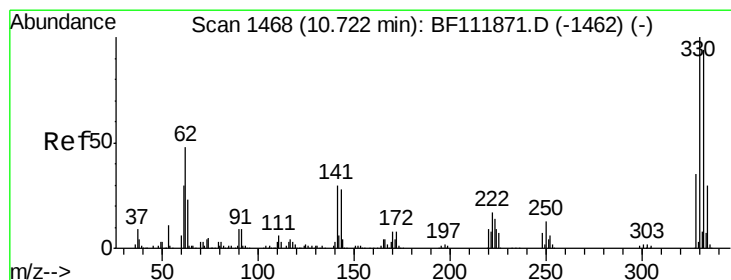
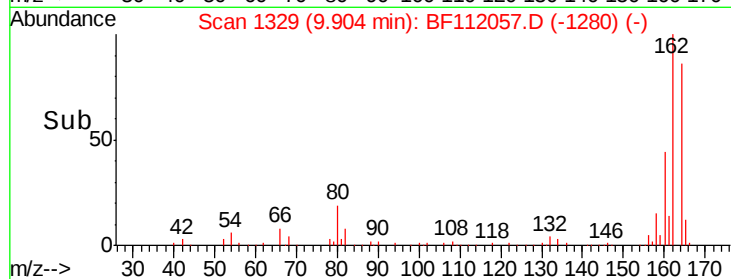
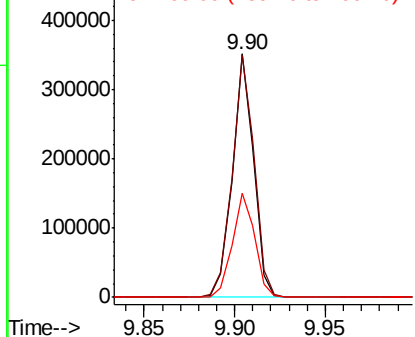
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.01 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPSB-12(10-15)

Tgt Ion:164 Resp: 287182  
 Ion Ratio Lower Upper  
 164 100  
 162 99.4 82.2 123.2  
 160 42.9 35.5 53.3

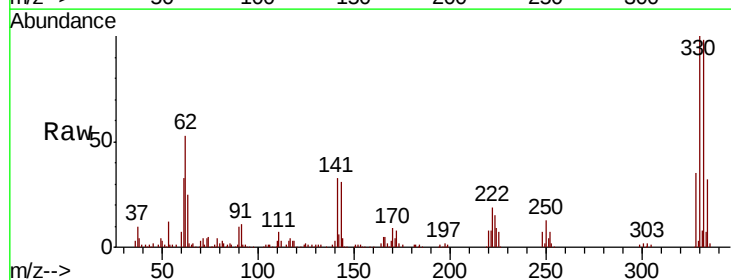


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

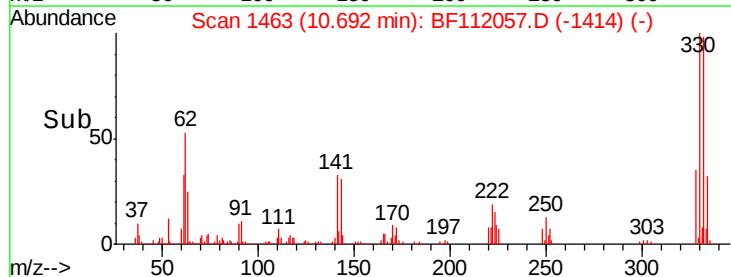
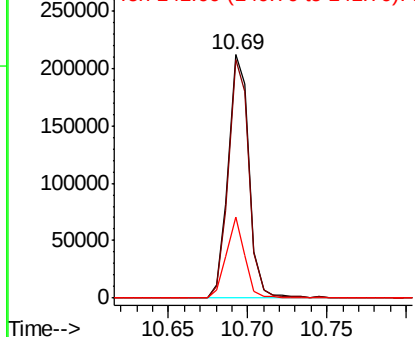


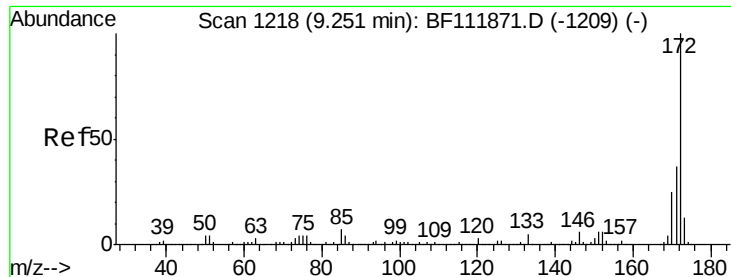
#42  
 2,4,6-Tribromophenol  
 Concen: 51.970 ng  
 RT: 10.69 min Scan# 1463  
 Delta R.T. -0.01 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Tgt Ion:330 Resp: 194126  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 76.9 115.3  
 141 29.5 23.7 35.5



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

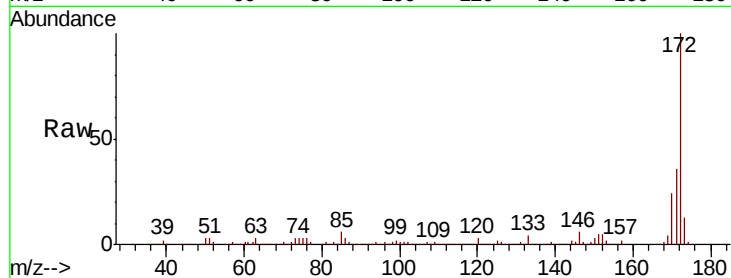




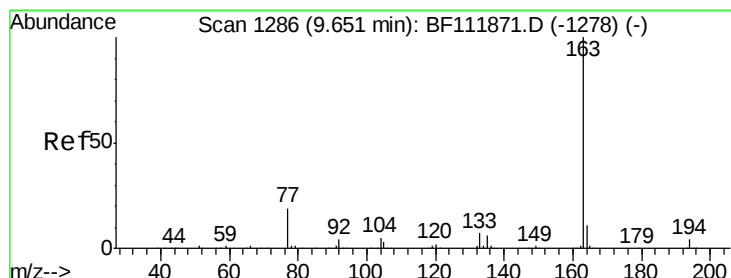
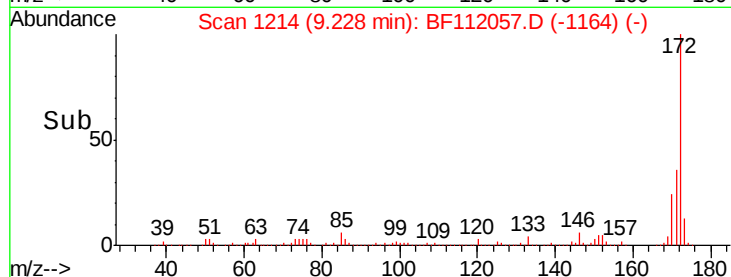
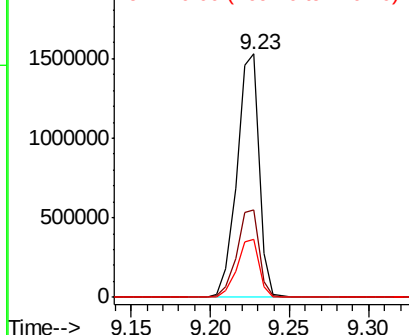
#45  
 2-Fluorobiphenyl  
 Concen: 75.421 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Instrument :  
 BNA\_F  
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 CPSB-12(10-15)

Tgt Ion:172 Resp: 1485369  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.6 44.4  
 170 23.9 19.8 29.8

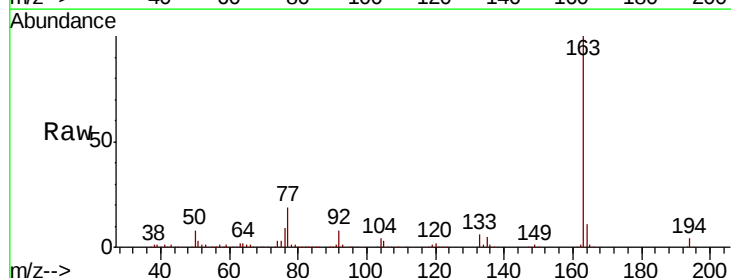


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

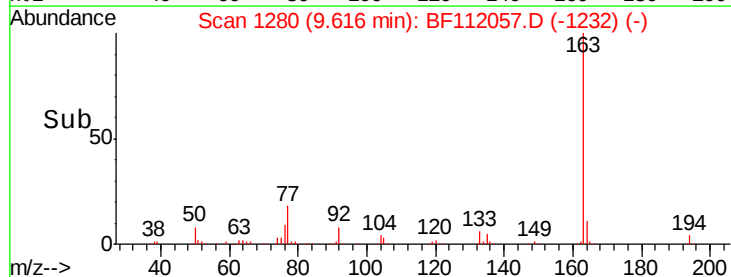
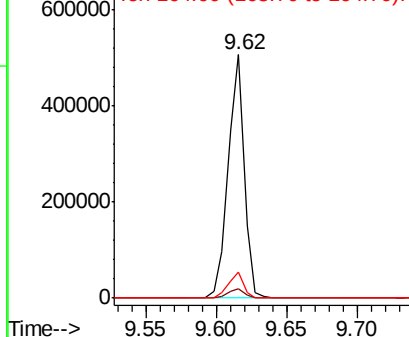


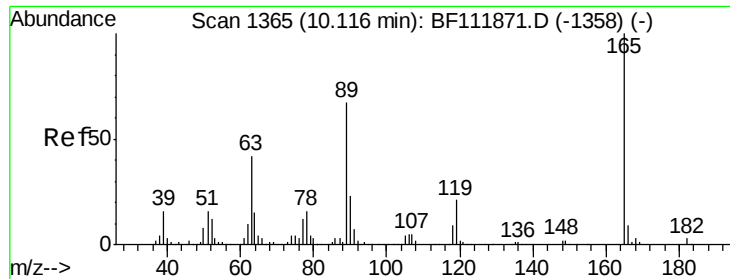
#50  
 Dimethylphthalate  
 Concen: 18.594 ng  
 RT: 9.62 min Scan# 1280  
 Delta R.T. -0.02 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Tgt Ion:163 Resp: 401143  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 3.4 5.2  
 164 10.6 8.5 12.7



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

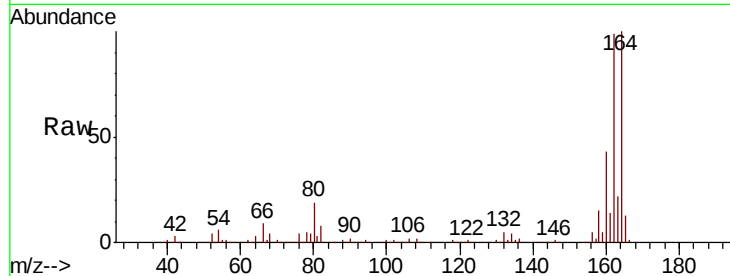




#57  
 2,4-Dinitrotoluene  
 Concen: 5.828 ng  
 RT: 9.90 min Scan# 1329  
 Delta R.T. -0.19 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CPSB-12(10-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.0   | 34.1  | 51.1# |
| 89      | 1.5   | 53.5  | 80.3# |
| 182     | 0.0   | 2.0   | 3.0#  |

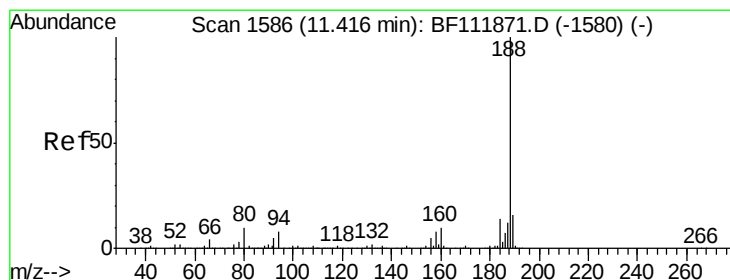
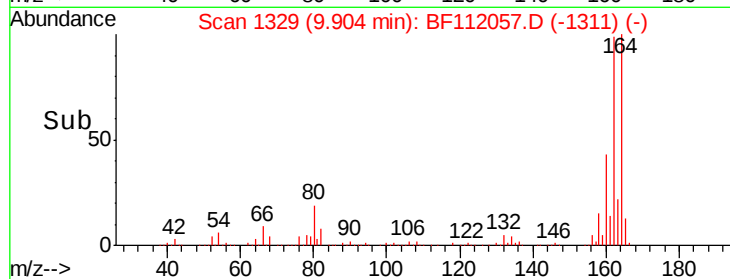
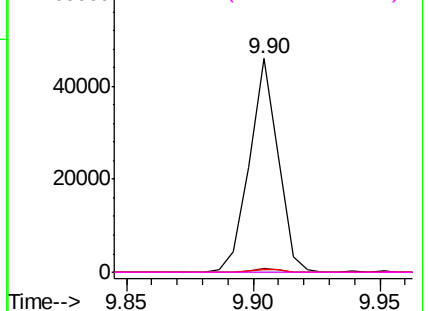


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

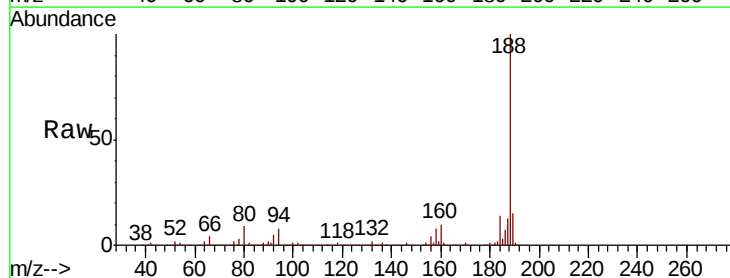
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. -0.01 min  
 Lab File: BF112057.D  
 Acq: 14 Jan 2019 18:14

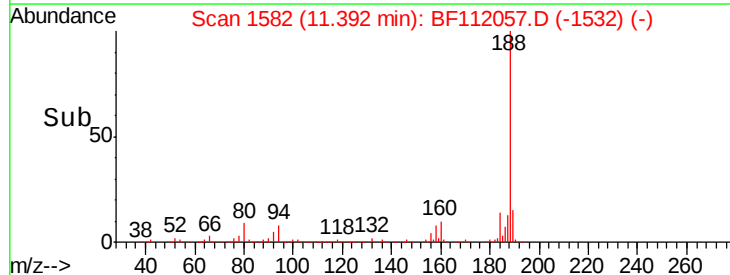
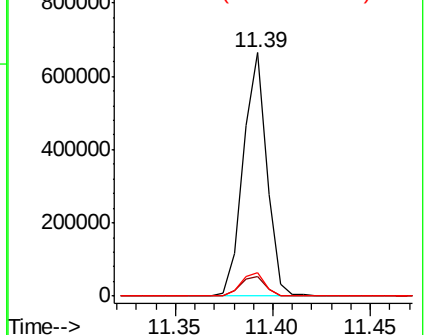
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 6.6   | 10.0  |
| 80      | 9.5   | 7.7   | 11.5  |

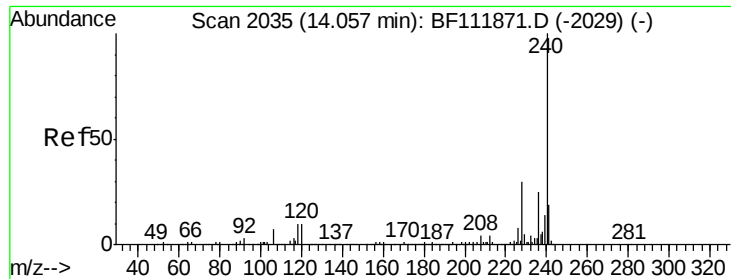


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

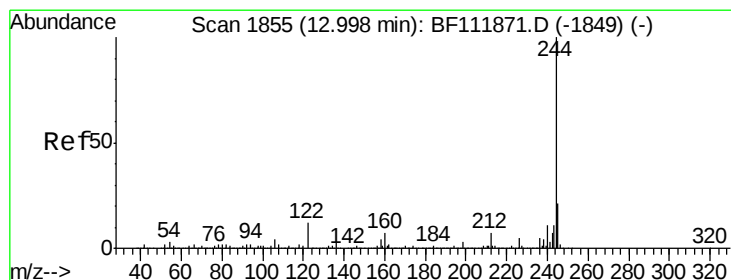
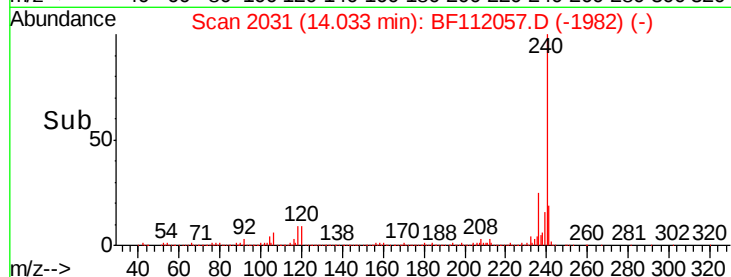
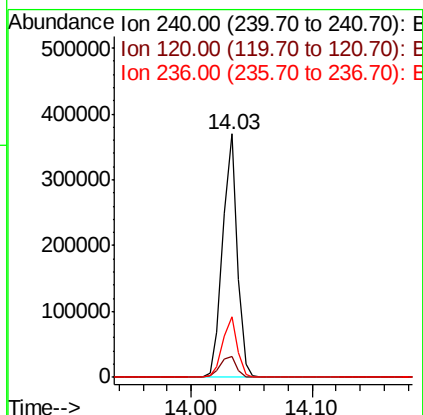
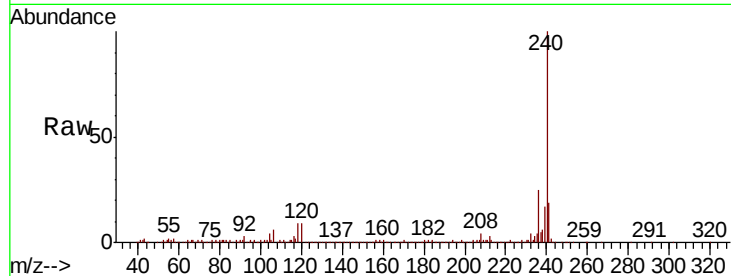




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

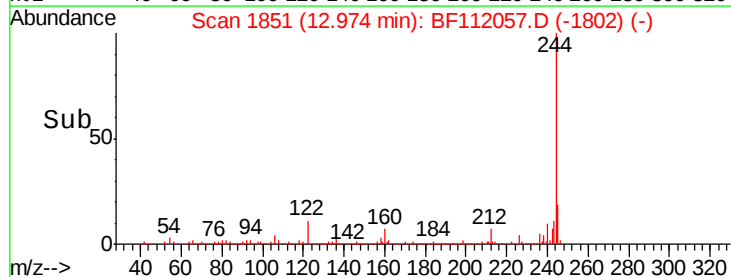
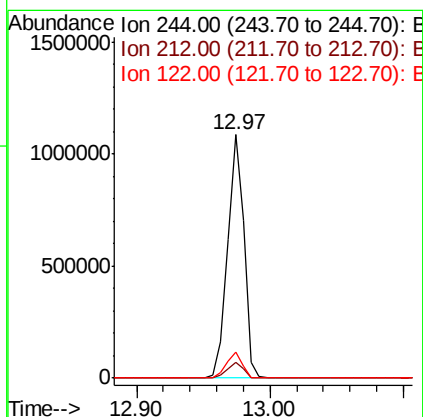
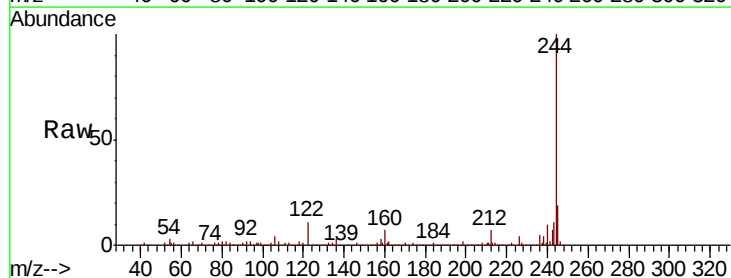
Instrument :  
BNA\_F  
ClientSampleId :  
CPSB-12(10-15)

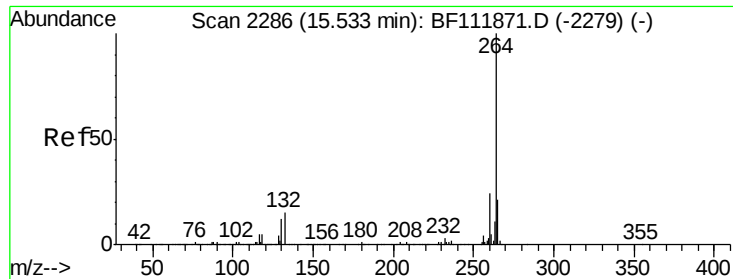
Tgt Ion:240 Resp: 307372  
Ion Ratio Lower Upper  
240 100  
120 8.8 8.2 12.2  
236 25.1 20.2 30.4



#79  
Terphenyl-d14  
Concen: 58.231 ng  
RT: 12.97 min Scan# 1851  
Delta R.T. -0.01 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

Tgt Ion:244 Resp: 942907  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.8 8.8  
122 10.9 9.5 14.3





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.51 min Scan# 2282  
Delta R.T. -0.01 min  
Lab File: BF112057.D  
Acq: 14 Jan 2019 18:14

Instrument :  
BNA\_F  
ClientSampleId :  
CPSB-12(10-15)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.7  | 17.1  | 25.7  |

