

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\  
 Data File : BF113006.D  
 Acq On : 12 Mar 2019 16:46  
 Operator : JU/SJ  
 Sample : K1687-05 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-031119-C

Quant Time: Mar 13 04:21:36 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  | 169428   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 597167   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.76  | 164  | 257959   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.24 | 188  | 446034   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.86 | 240  | 483469   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.27 | 264  | 494924   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 394138   | 36.19 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 476713   | 34.84 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 263961   | 26.45 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 109092   | 39.84 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 478664   | 25.12 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.82 | 244  | 428945   | 17.20 | ng    | 0.00     |

Target Compounds Qvalue

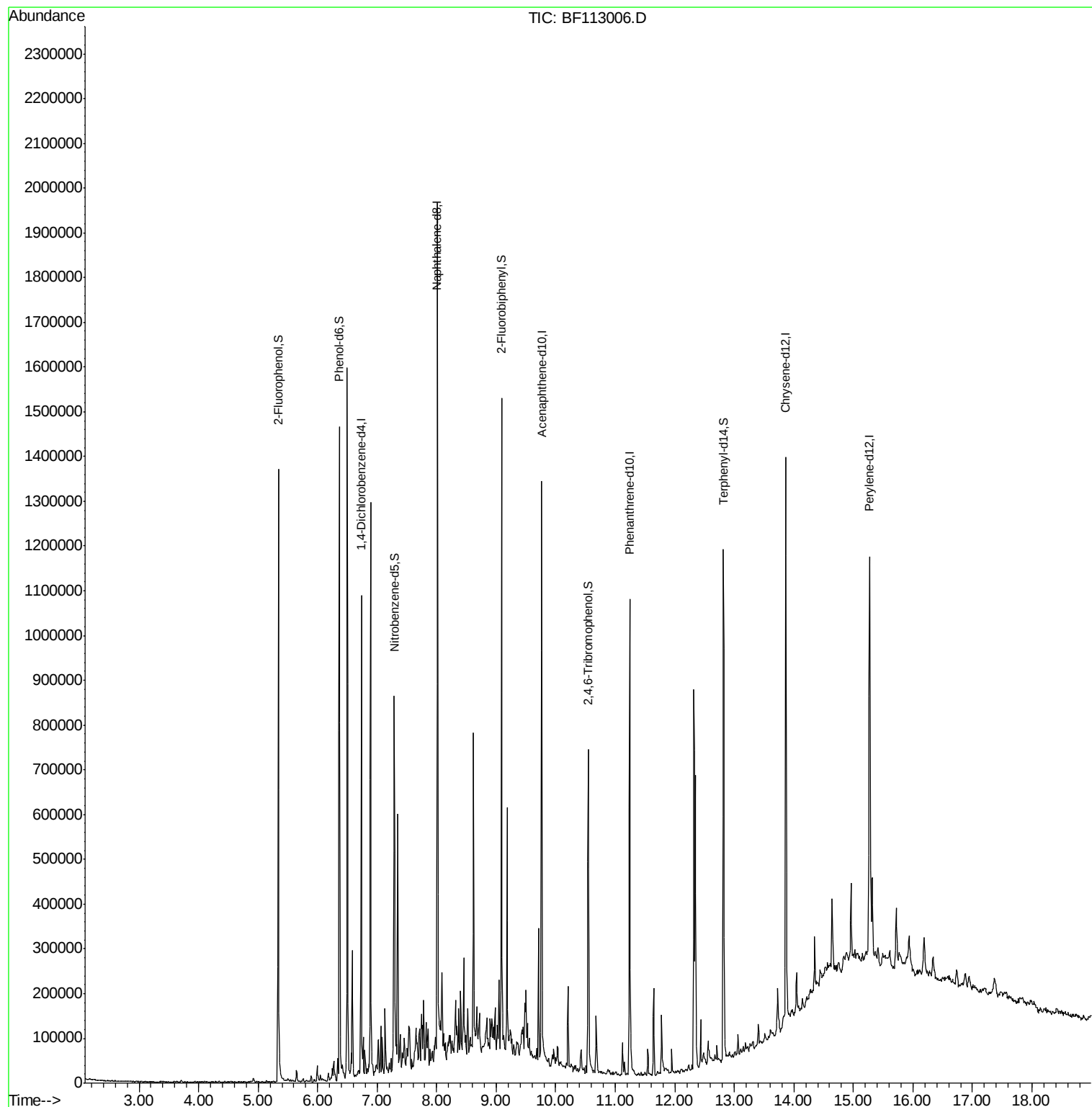
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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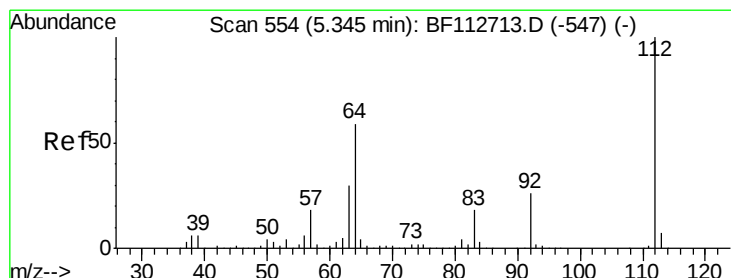
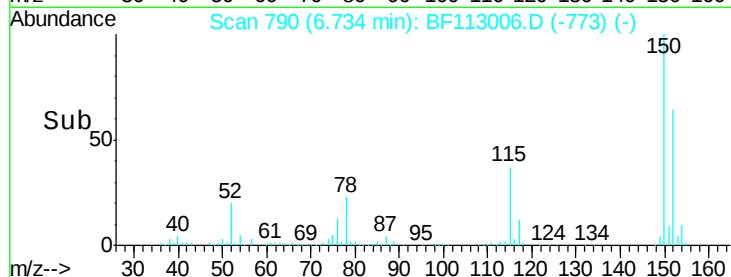
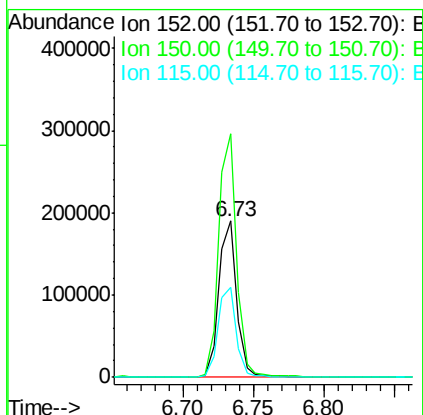
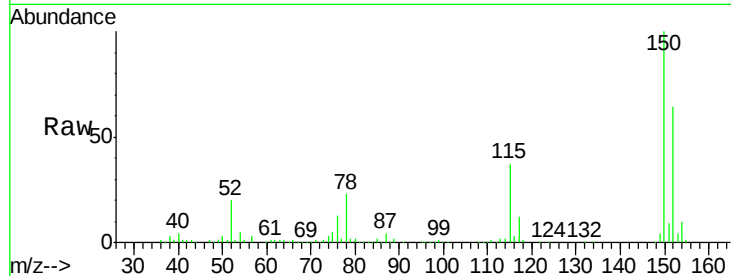


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-031119-C

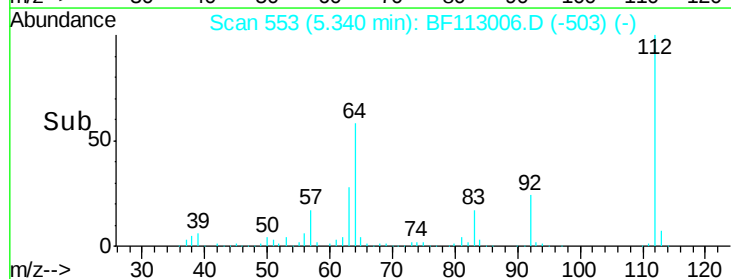
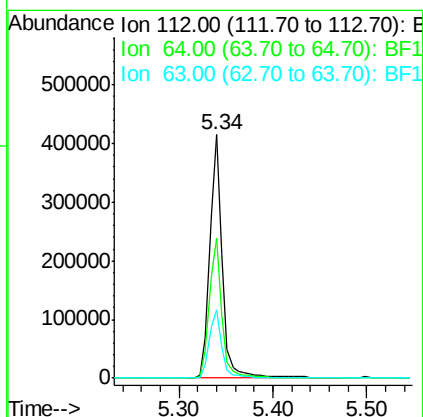
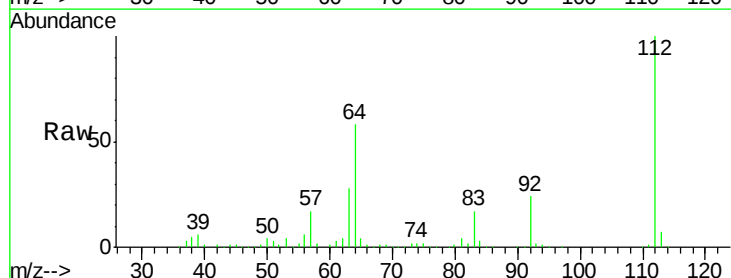
Tot Ion:152 Resp: 169428  
Ion Ratio Lower Upper  
152 100  
150 155.7 124.2 186.2  
115 57.3 48.2 72.4

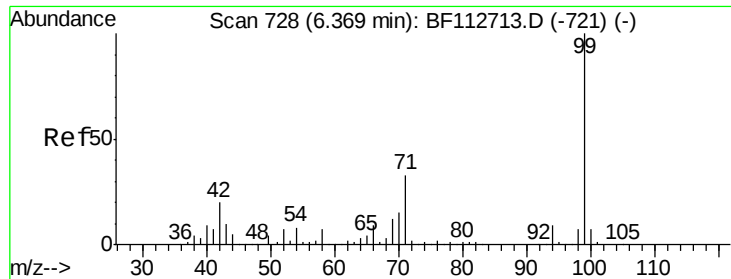


#5

2-Fluorophenol  
Concen: 36.186 ng  
RT: 5.34 min Scan# 553  
Delta R.T. -0.01 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

Tgt Ion:112 Resp: 394138  
Ion Ratio Lower Upper  
112 100  
64 57.6 47.6 71.4  
63 28.2 24.4 36.6





#7

Phenol-d6

Concen: 34.842 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113006.D

Acq: 12 Mar 2019 16:46

Instrument :

BNA\_F

ClientSampleId :

HR-06-031119-C

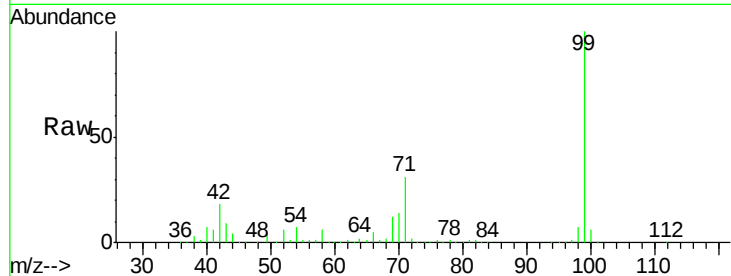
Tot Ion: 99 Resp: 476713

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

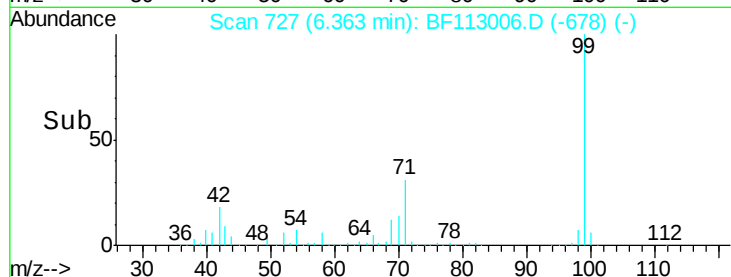
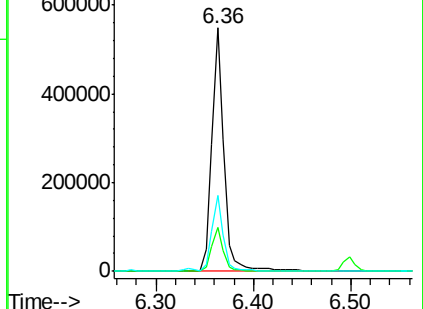
71 30.9 26.2 39.4



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: BF113006.D

Acq: 12 Mar 2019 16:46

Tgt Ion: 136 Resp: 597167

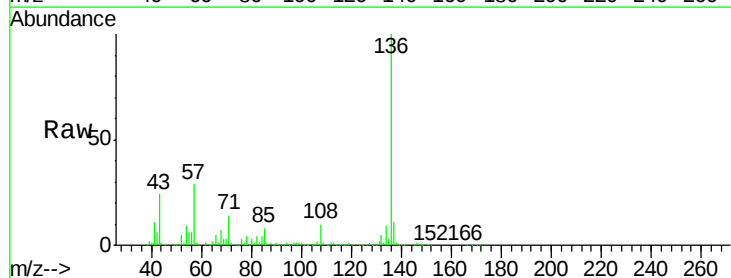
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.8 7.3 10.9

68 6.8 5.4 8.2

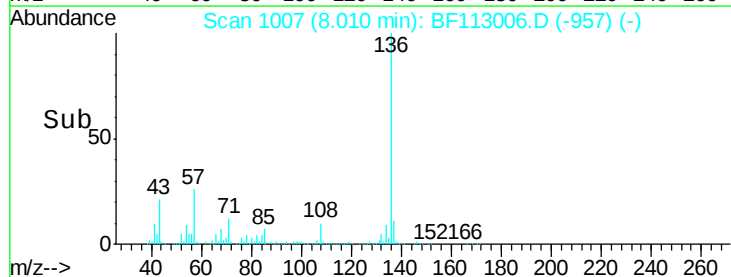
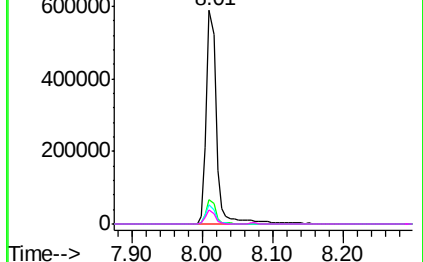


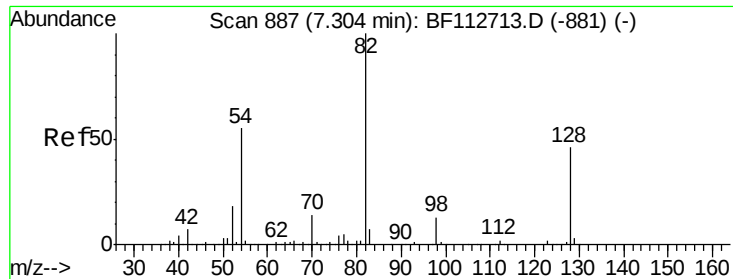
Abundance Ion 136.00 (135.70 to 136.70): E

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

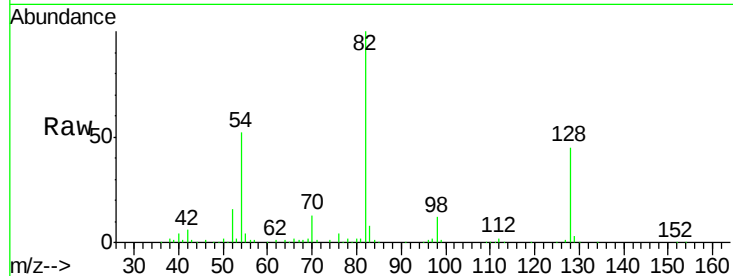




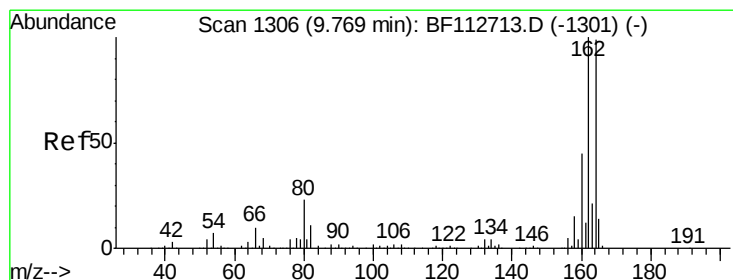
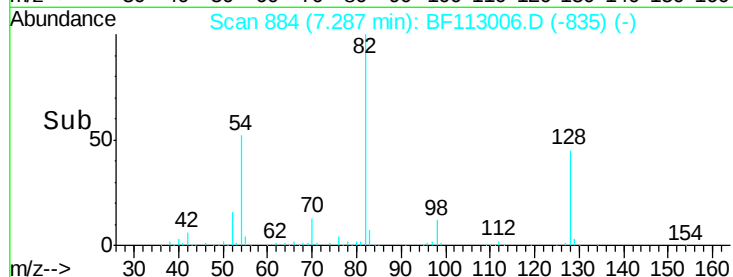
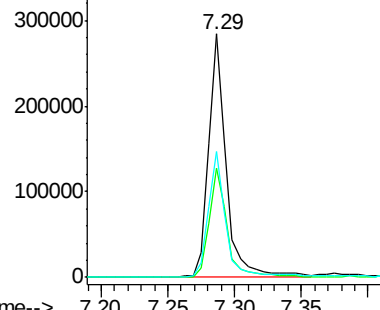
#23  
Nitrobenzene-d5  
Concen: 26.450 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-031119-C

Tot Ion: 82 Resp: 263961  
Ion Ratio Lower Upper  
82 100  
128 44.7 36.3 54.5  
54 51.9 43.7 65.5

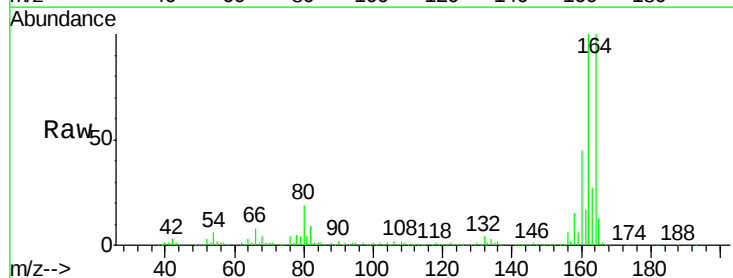


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

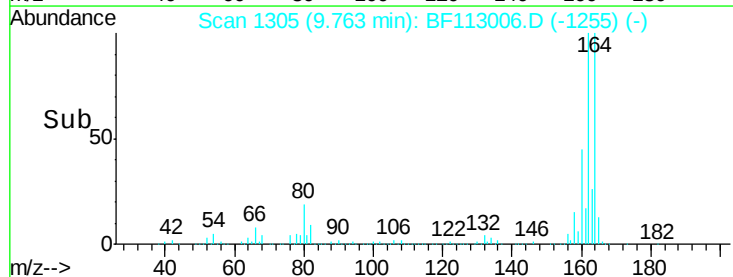
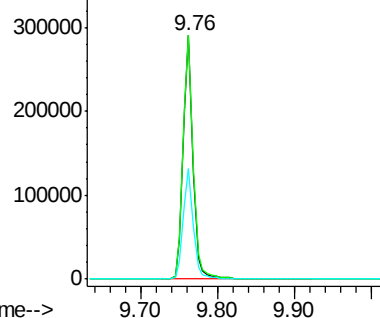


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

Tgt Ion: 164 Resp: 257959  
Ion Ratio Lower Upper  
164 100  
162 100.0 80.6 120.8  
160 45.4 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

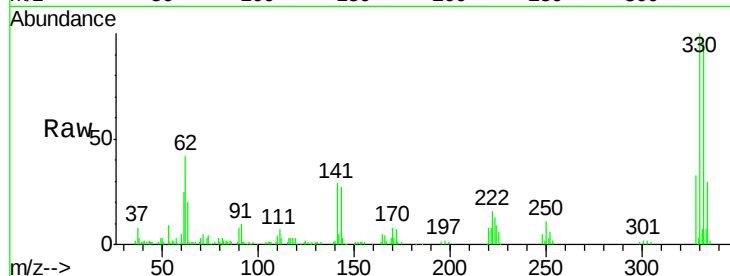




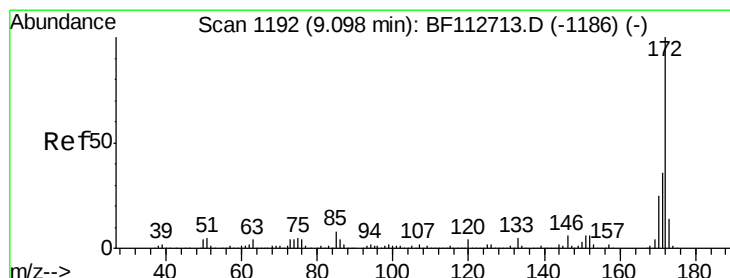
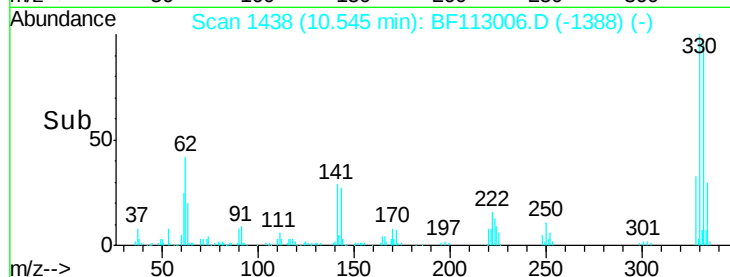
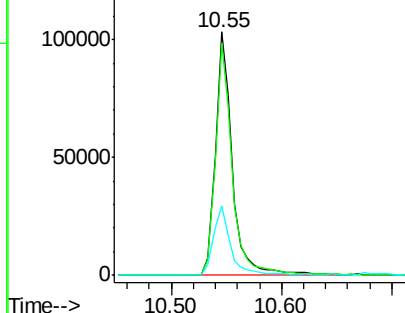
#42  
 2,4,6-Tribromophenol  
 Concen: 39.836 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF113006.D  
 Acq: 12 Mar 2019 16:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-06-031119-C

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.2  | 114.4 |
| 141     | 29.3  | 27.0  | 40.6  |

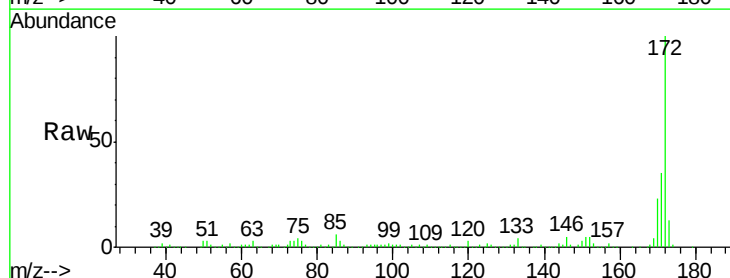


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

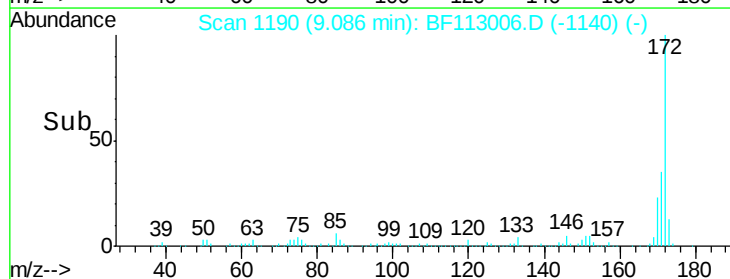
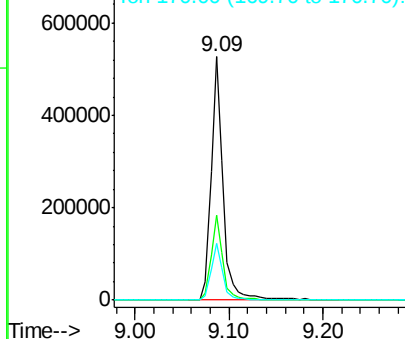


#45  
 2-Fluorobiphenyl  
 Concen: 25.122 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF113006.D  
 Acq: 12 Mar 2019 16:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 29.0  | 43.4  |
| 170     | 23.3  | 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

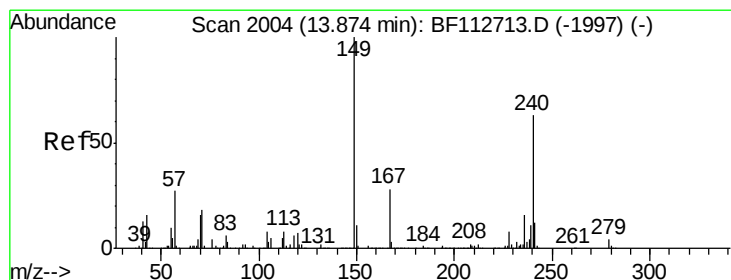
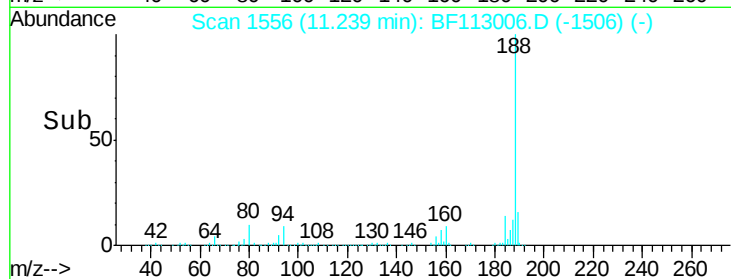
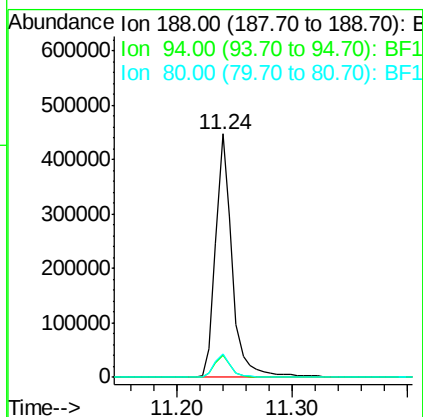
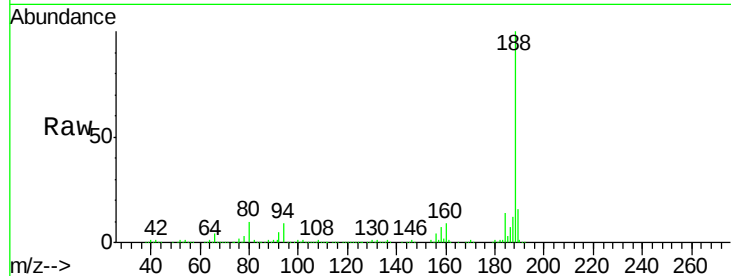




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

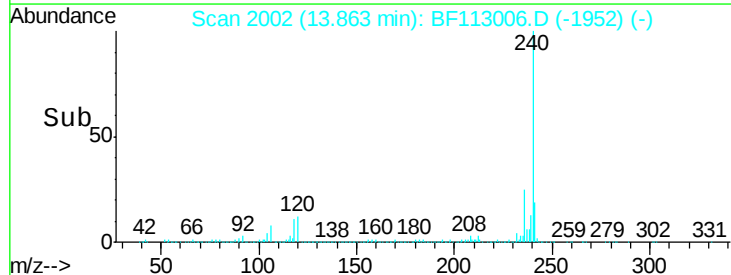
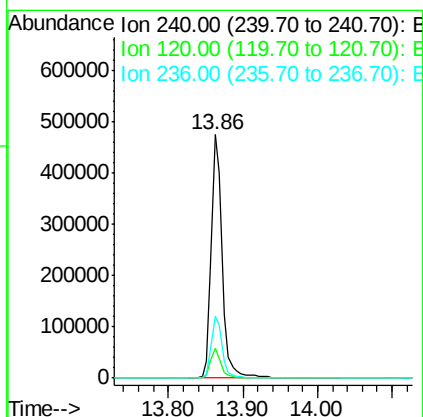
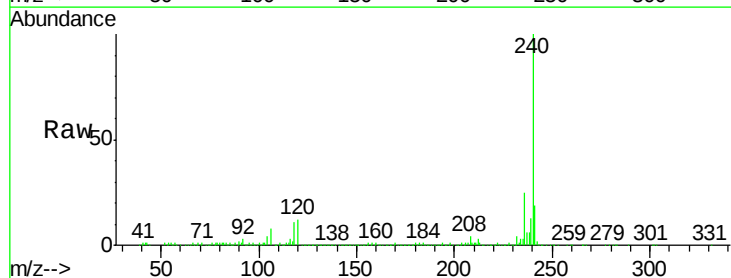
Instrument :  
BNA\_F  
ClientSampleId :  
HR-06-031119-C

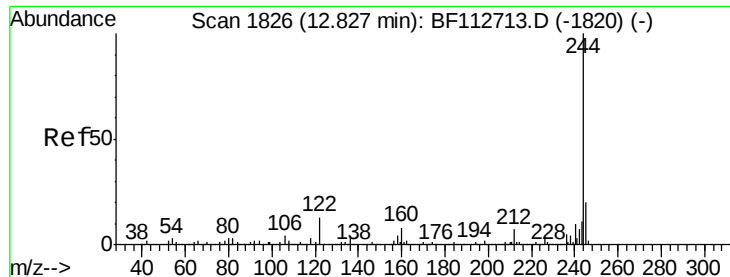
Tot Ion:188 Resp: 446034  
Ion Ratio Lower Upper  
188 100  
94 9.0 9.0 13.4  
80 9.7 9.2 13.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF113006.D  
Acq: 12 Mar 2019 16:46

Tgt Ion:240 Resp: 483469  
Ion Ratio Lower Upper  
240 100  
120 12.2 8.9 13.3  
236 25.4 20.7 31.1





#79

Terphenyl-d14

Concen: 17.199 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113006.D

Acq: 12 Mar 2019 16:46

Instrument :

BNA\_F

ClientSampleId :

HR-06-031119-C

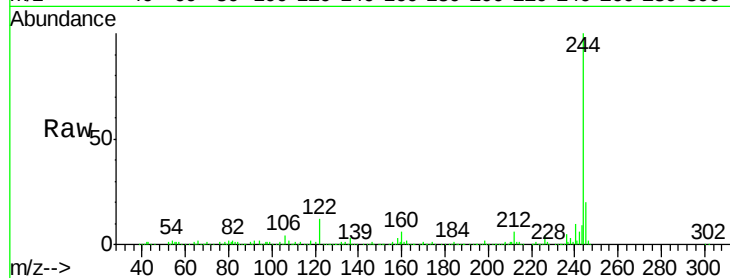
Tot Ion:244 Resp: 428945

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

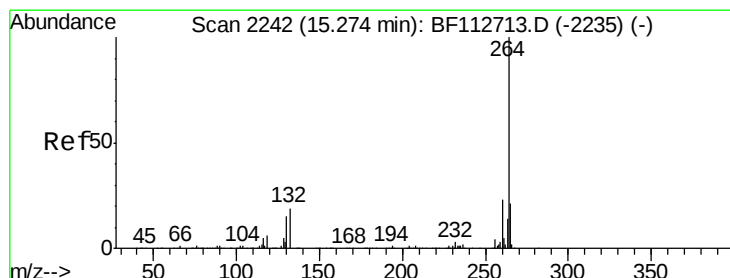
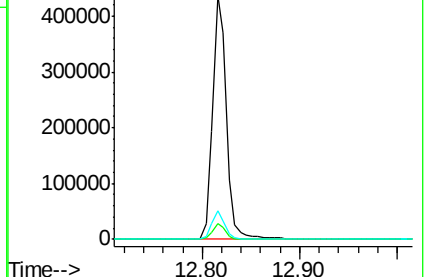
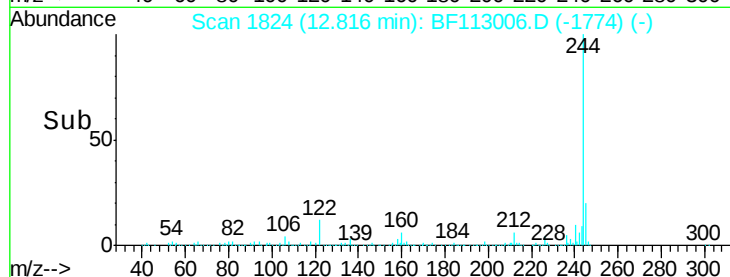
122 11.5 10.5 15.7



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

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF113006.D

Acq: 12 Mar 2019 16:46

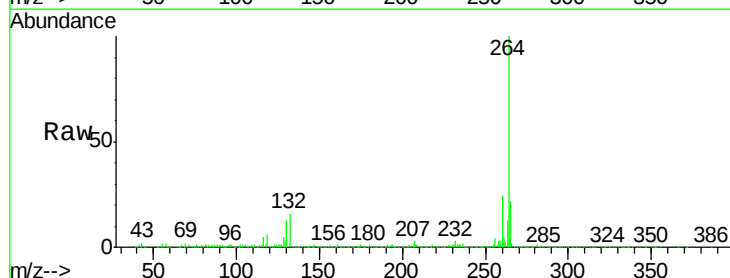
Tgt Ion:264 Resp: 494924

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.1 17.2 25.8



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

