

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\  
 Data File : BF113347.D  
 Acq On : 28 Mar 2019 00:03  
 Operator : JU/SJ  
 Sample : K2110-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 30036

Quant Time: Mar 28 04:27:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

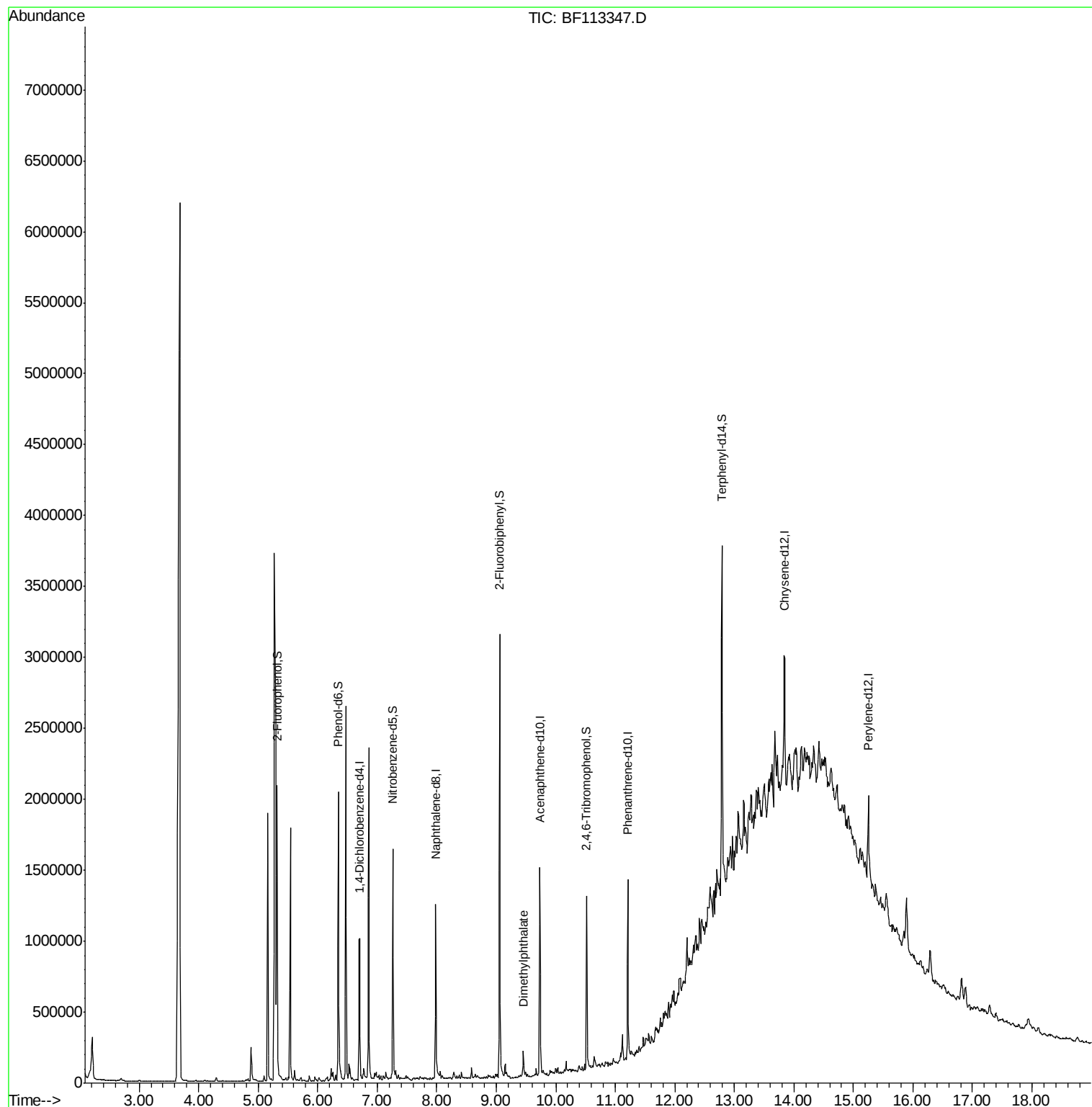
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 170998   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 640809   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.73  | 164  | 296335   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.21 | 188  | 510639   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 378088   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.25 | 264  | 325987   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 608926   | 58.23 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 812567   | 61.42 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 529451   | 49.04 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.52 | 330  | 200054   | 54.65 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.06  | 172  | 1059522  | 48.46 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.79 | 244  | 836079   | 48.74 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 50) Dimethylphthalate       | 9.45  | 163  | 68745    | 3.130 | ng    | 98       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\  
Data File : BF113347.D  
Acq On : 28 Mar 2019 00:03  
Operator : JU/SJ  
Sample : K2110-01  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
30036

Quant Time: Mar 28 04:27:54 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 26 03:32:08 2019  
Response via : Initial Calibration



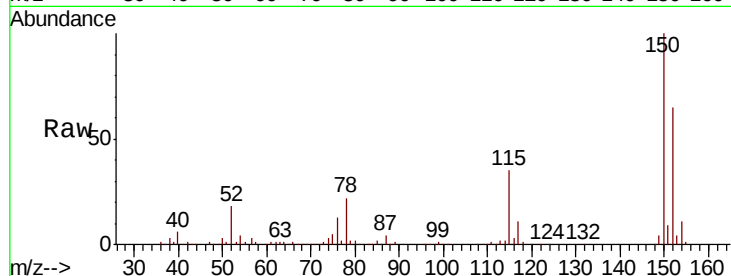


#1

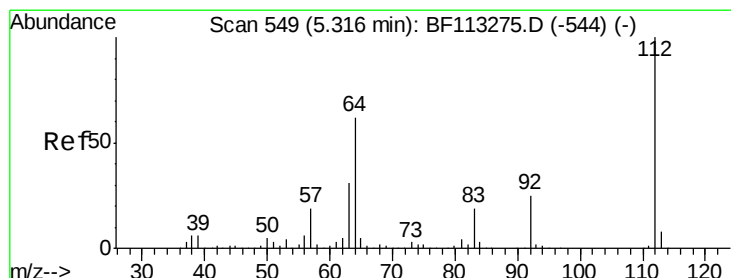
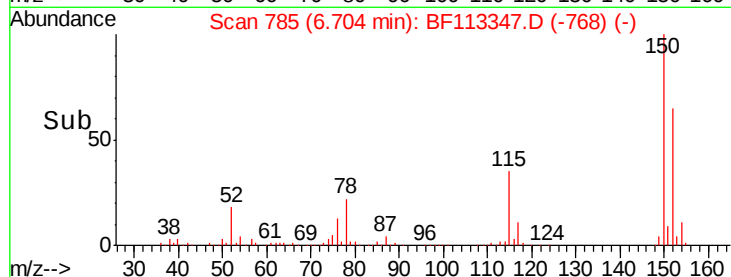
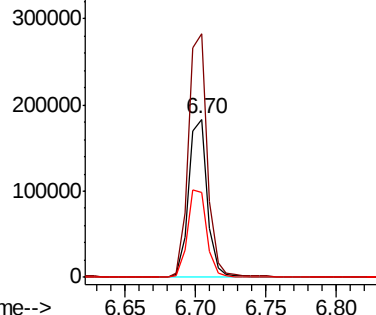
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.00 min  
Lab File: BF113347.D  
Acq: 28 Mar 2019 00:03

Instrument :  
BNA\_F  
ClientSampleId :  
30036

Tot Ion:152 Resp: 170998  
Ion Ratio Lower Upper  
152 100  
150 153.7 124.7 187.1  
115 53.9 46.0 69.0



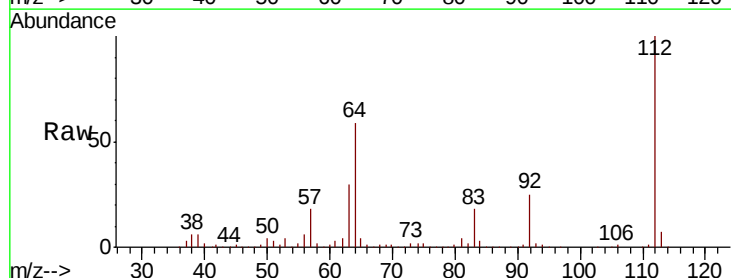
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



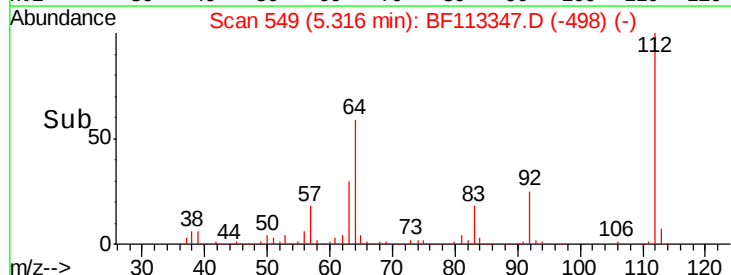
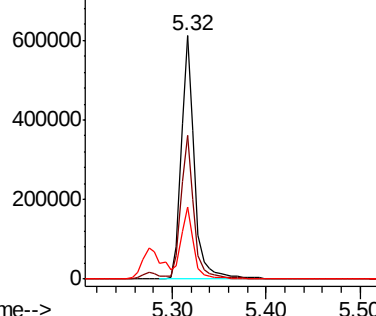
#5

2-Fluorophenol  
Concen: 58.227 ng  
RT: 5.32 min Scan# 549  
Delta R.T. 0.00 min  
Lab File: BF113347.D  
Acq: 28 Mar 2019 00:03

Tgt Ion:112 Resp: 608926  
Ion Ratio Lower Upper  
112 100  
64 58.8 49.2 73.8  
63 29.8 24.9 37.3



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: 61.420 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

Instrument :

BNA\_F

ClientSampled :

30036

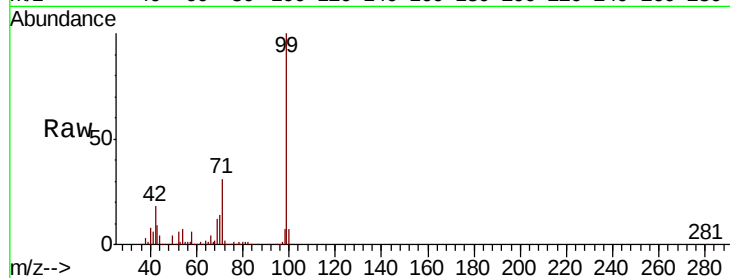
Tot Ion: 99 Resp: 812567

Ion Ratio Lower Upper

99 100

42 17.8 14.8 22.2

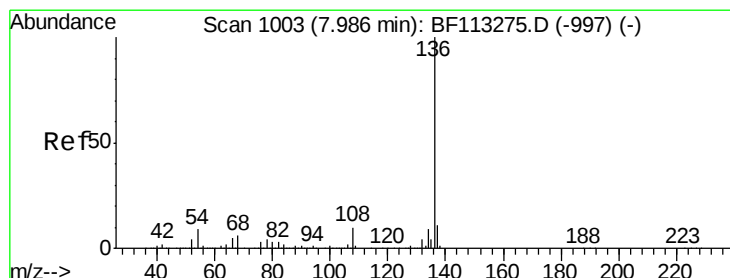
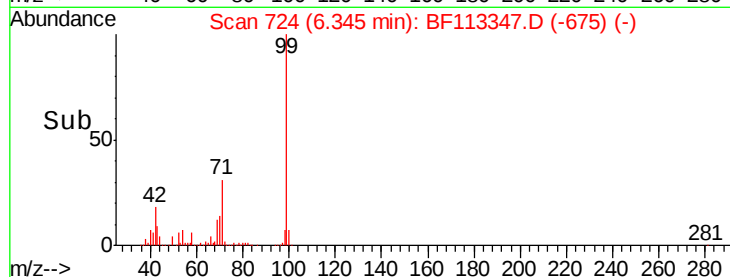
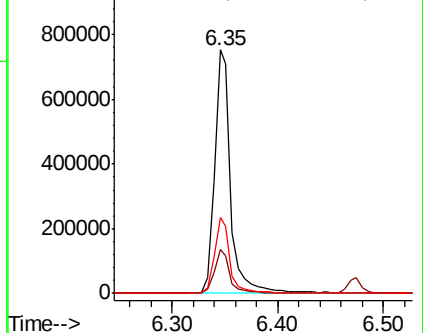
71 31.1 24.9 37.3



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: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

Tgt Ion: 136 Resp: 640809

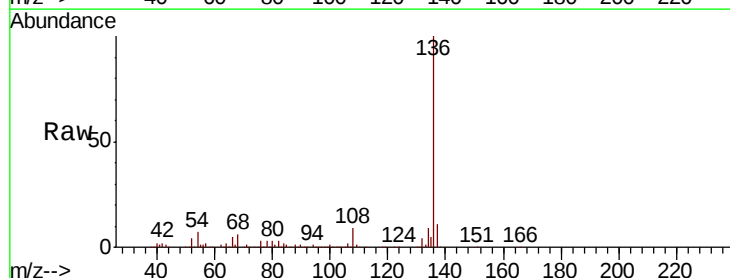
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.5 7.0 10.6

68 5.9 4.8 7.2

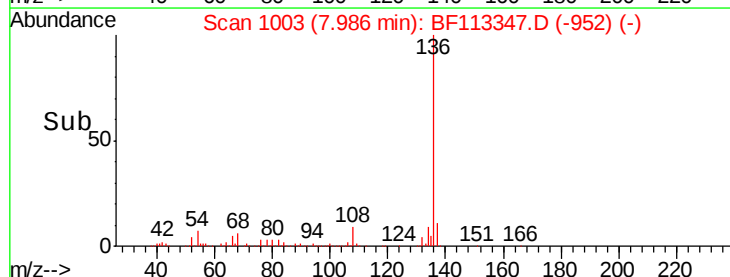
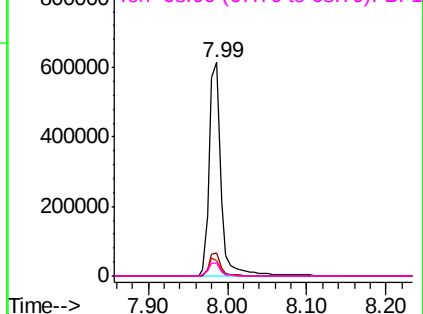


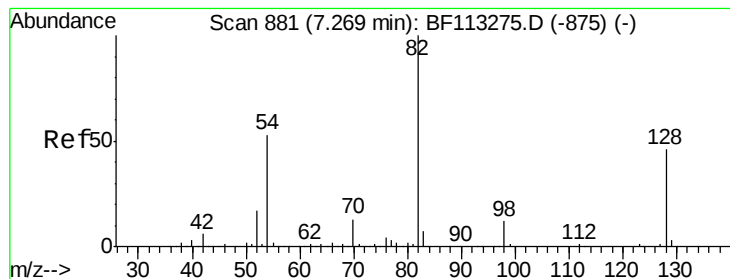
Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.040 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

Instrument :

BNA\_F

ClientSampled :

30036

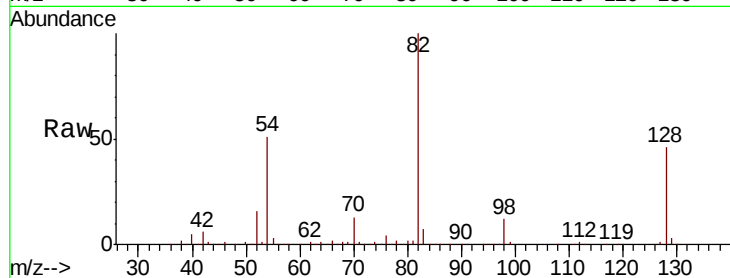
Tot Ion: 82 Resp: 529451

Ion Ratio Lower Upper

82 100

128 46.5 36.5 54.7

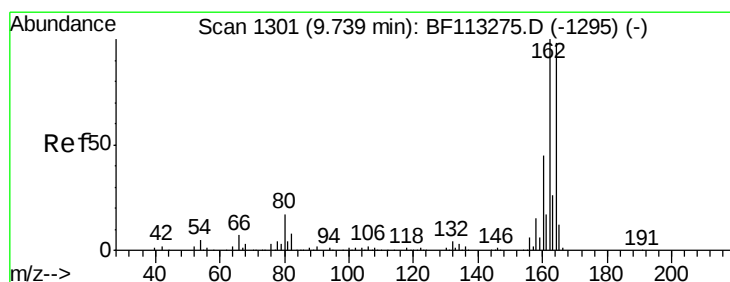
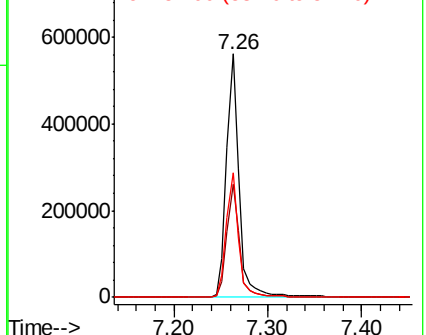
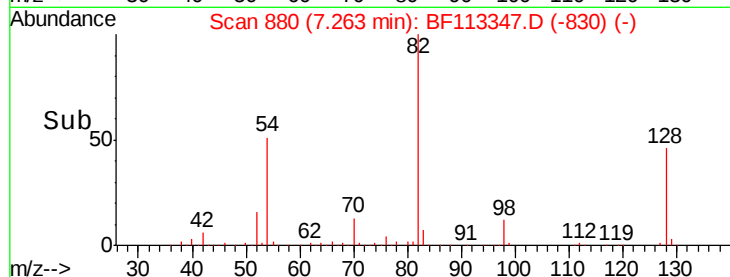
54 51.1 42.2 63.2



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

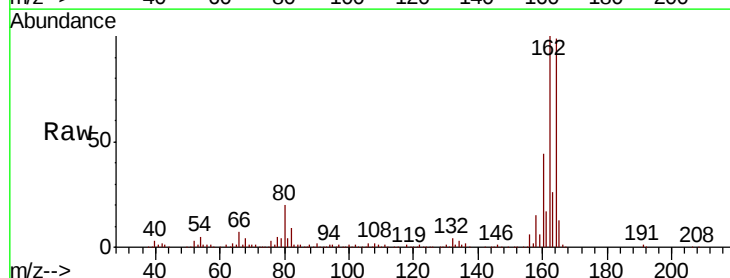
Tgt Ion: 164 Resp: 296335

Ion Ratio Lower Upper

164 100

162 101.0 81.8 122.6

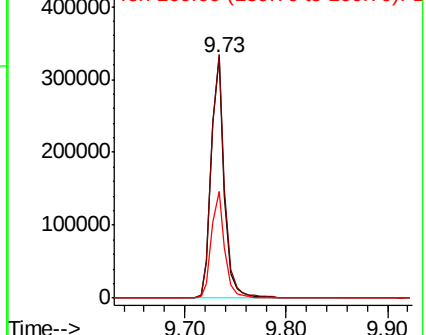
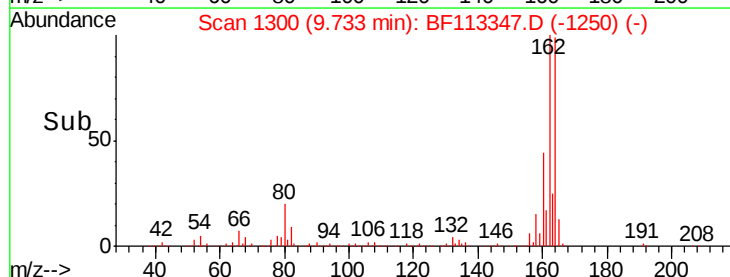
160 44.3 36.4 54.6

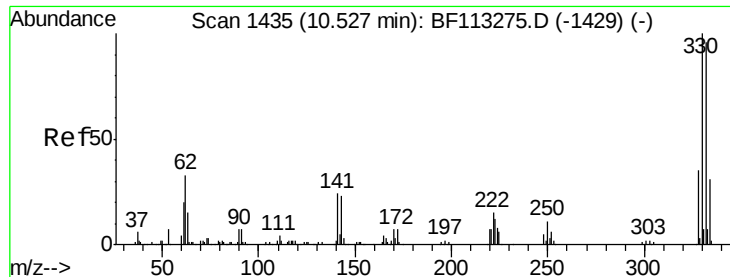


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 54.653 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

Instrument :

BNA\_F

ClientSampleId :

30036

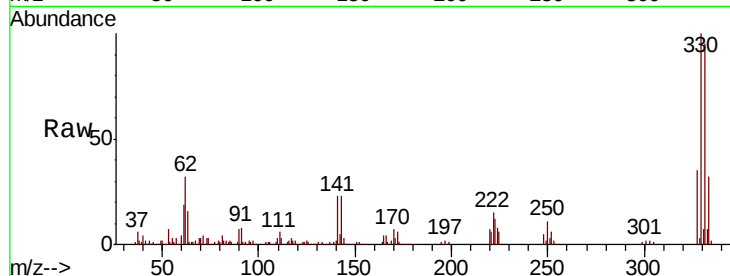
Tot Ion:330 Resp: 200054

Ion Ratio Lower Upper

330 100

332 96.4 77.8 116.6

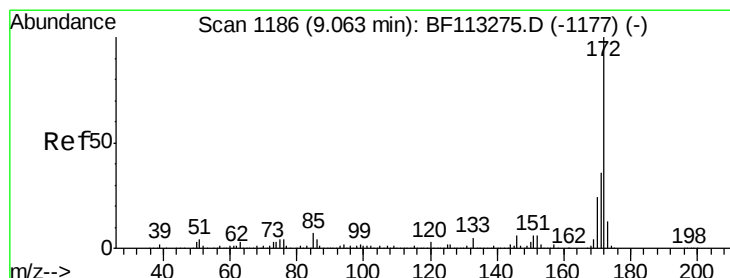
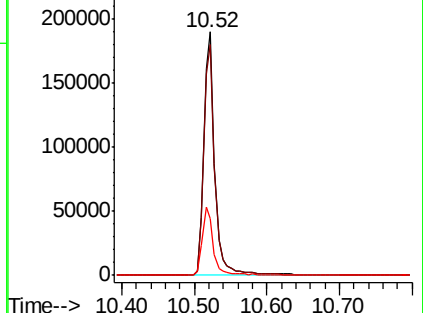
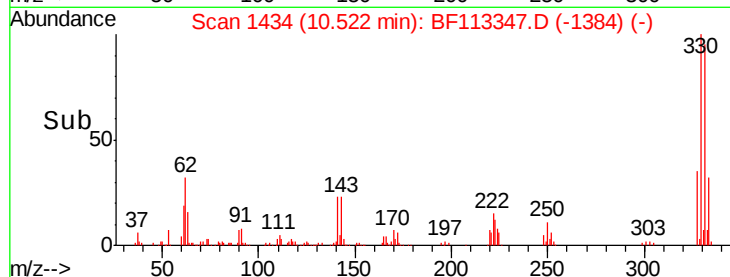
141 28.2 22.7 34.1



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: 48.457 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

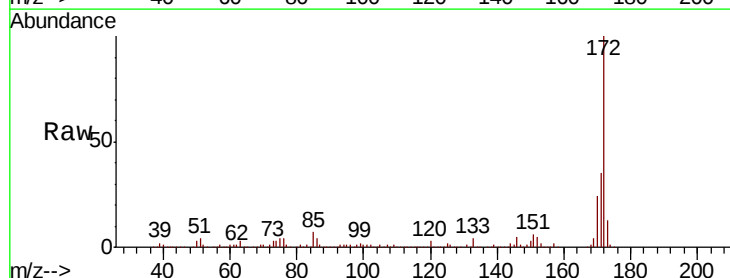
Tgt Ion:172 Resp: 1059522

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

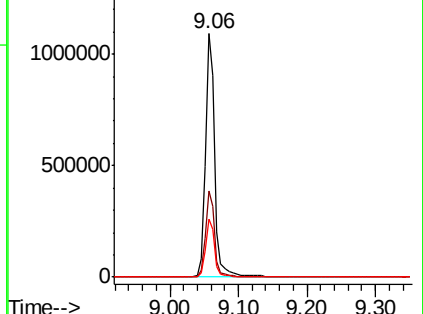
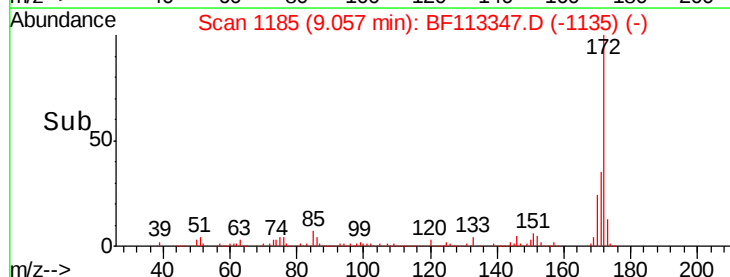
170 23.6 19.5 29.3

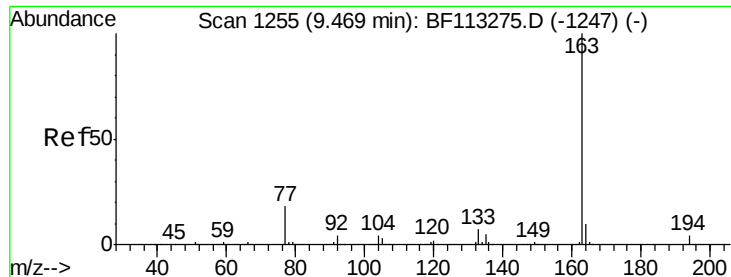


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

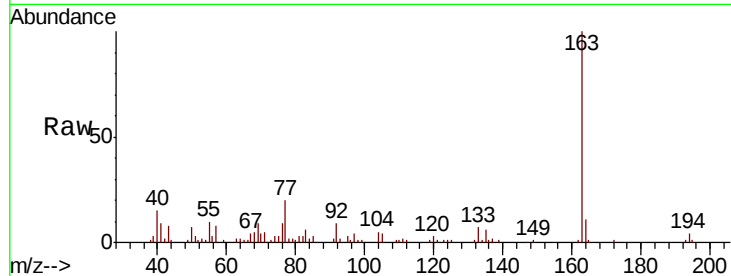




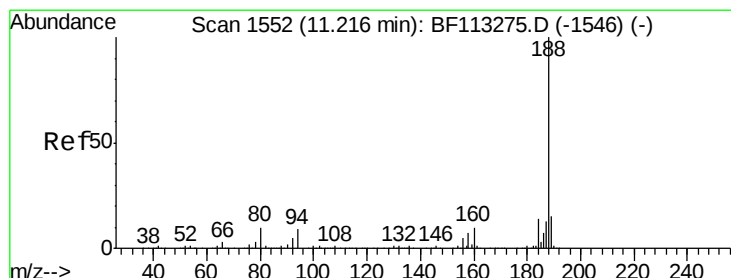
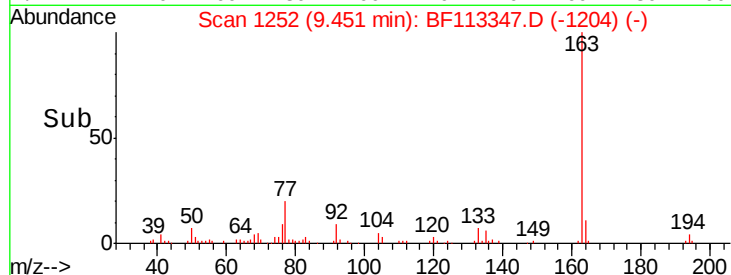
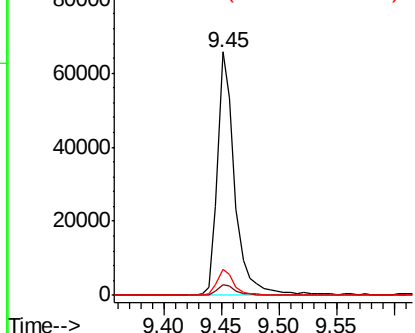
#50  
Dimethylphthalate  
Concen: 3.130 ng  
RT: 9.45 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF113347.D  
Acq: 28 Mar 2019 00:03

Instrument :  
BNA\_F  
ClientSampleId :  
30036

Tot Ion:163 Resp: 68745  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.6  
164 10.9 8.1 12.1

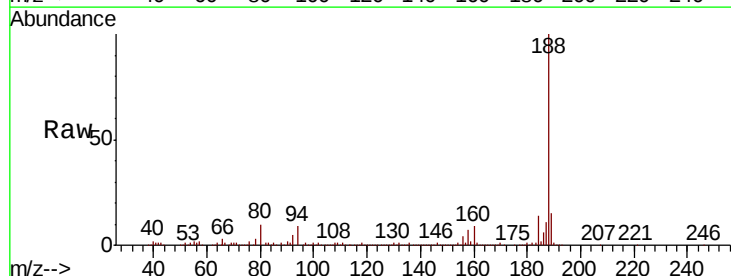


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

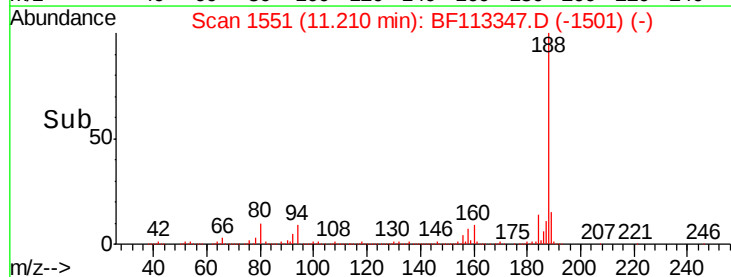
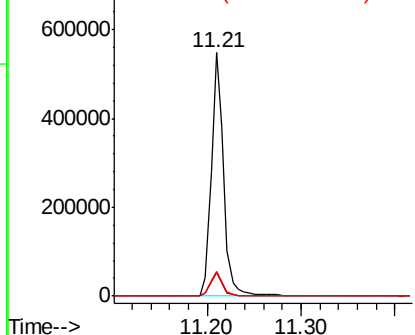


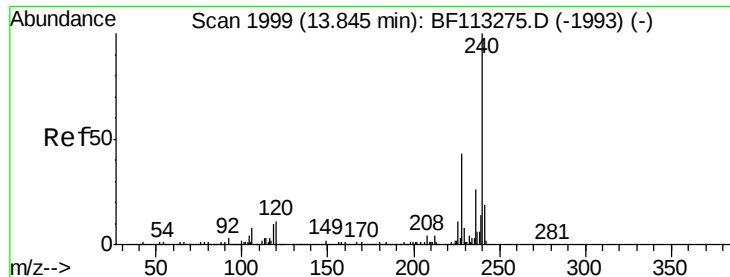
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113347.D  
Acq: 28 Mar 2019 00:03

Tgt Ion:188 Resp: 510639  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.0 10.6  
80 10.1 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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

Instrument :

BNA\_F

ClientSampleId :

30036

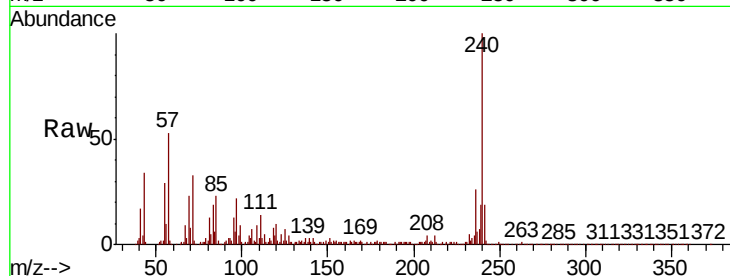
Tot Ion:240 Resp: 378088

Ion Ratio Lower Upper

240 100

120 9.9 8.8 13.2

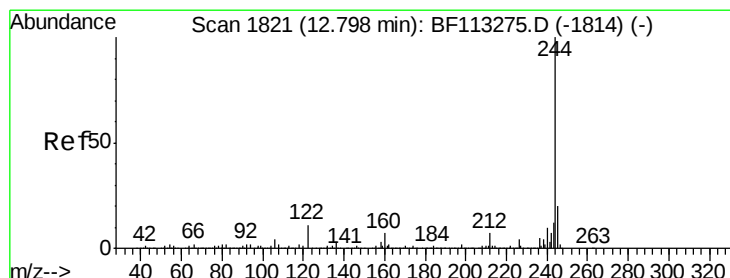
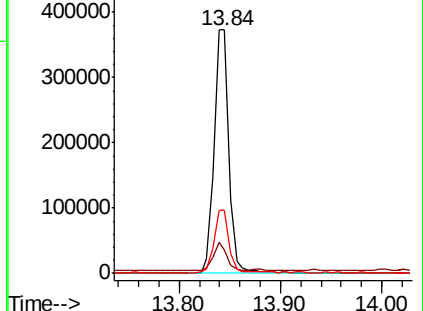
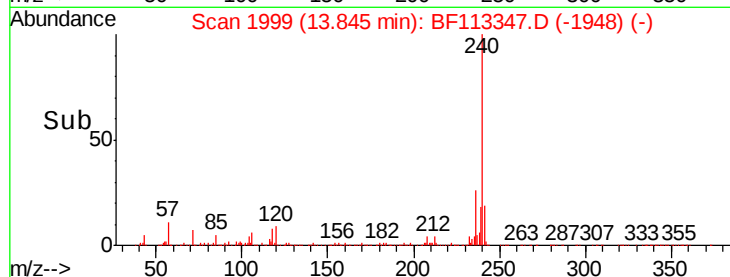
236 26.0 20.9 31.3



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: 48.742 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113347.D

Acq: 28 Mar 2019 00:03

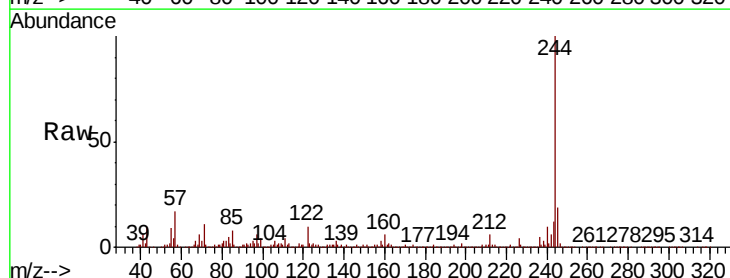
Tgt Ion:244 Resp: 836079

Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

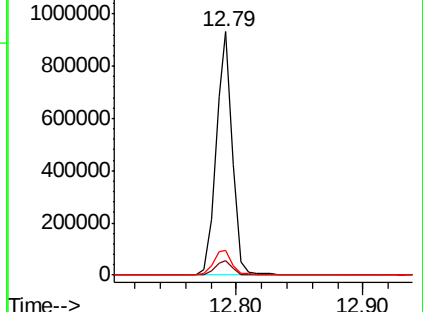
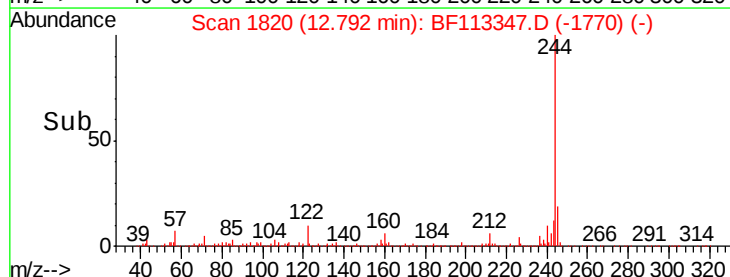
122 10.4 8.6 13.0

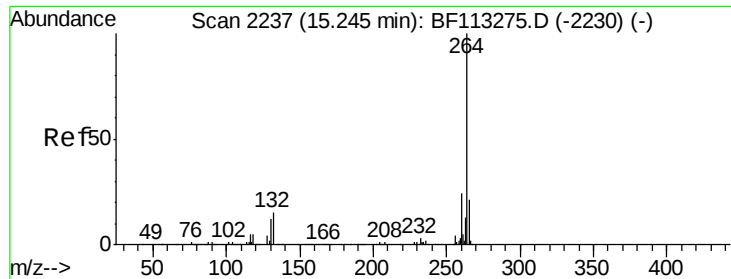


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

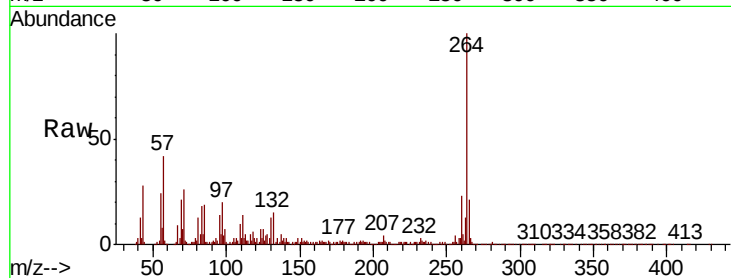




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2238  
Delta R.T. 0.01 min  
Lab File: BF113347.D  
Acq: 28 Mar 2019 00:03

Instrument :  
BNA\_F  
ClientSampleId :  
30036

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 264     | 100  |       |       |       |
| 260     | 23.1 | 19.1  | 28.7  |       |
| 265     | 21.5 | 17.1  | 25.7  |       |



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

