

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\  
 Data File : BF112891.D  
 Acq On : 6 Mar 2019 19:37  
 Operator : JU/SJ  
 Sample : K1707-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S12

Quant Time: Mar 07 04:36:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 01 15:40:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 166754   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.01  | 136  | 643373   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.76  | 164  | 307785   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.24 | 188  | 607769   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.86 | 240  | 434655   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.26 | 264  | 436905   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 870965   | 81.25  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 1026185  | 76.21  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 807834   | 75.13  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 388285   | 118.83 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 1520939  | 80.81  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.82 | 244  | 1547236  | 69.00  | ng    | 0.00     |

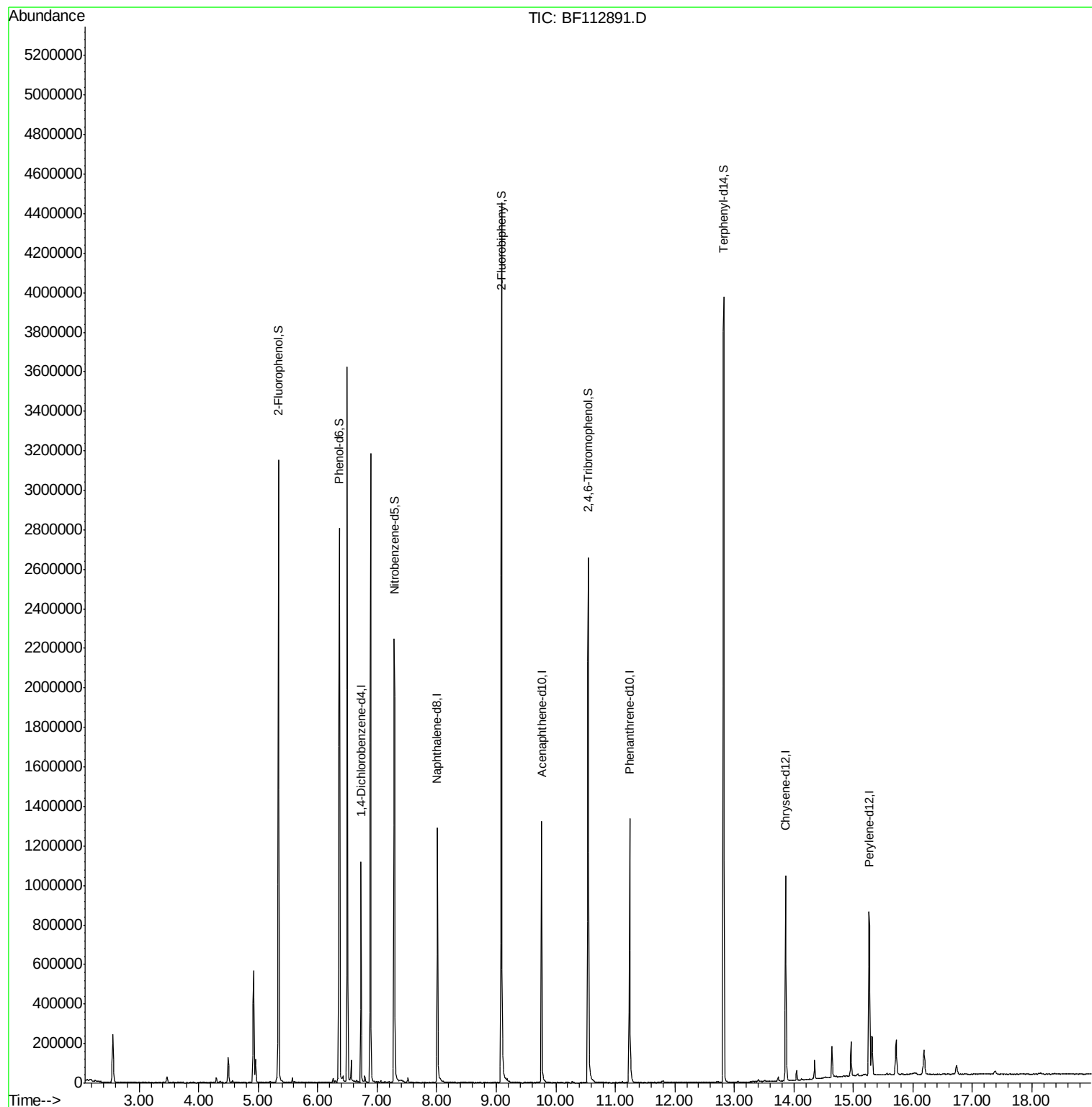
Target Compounds Qvalue

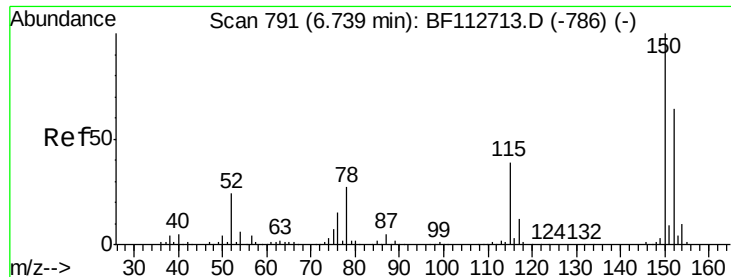
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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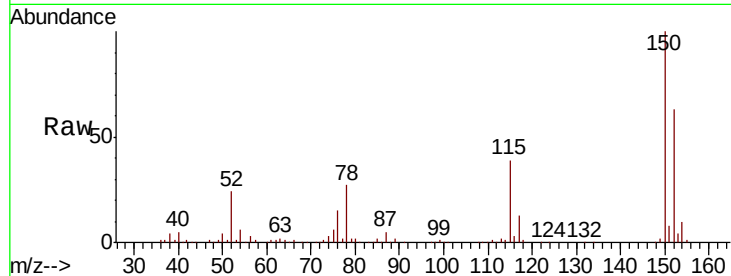


#1

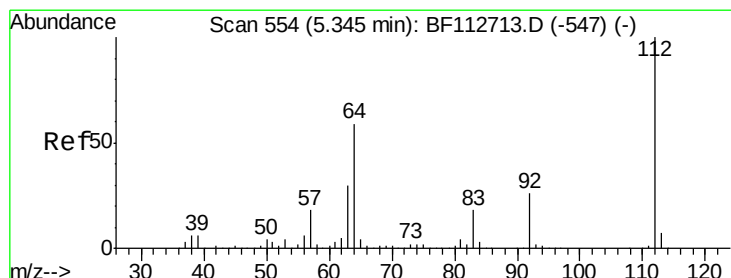
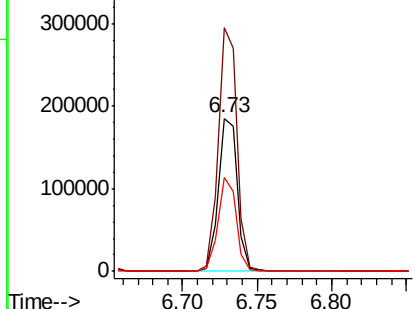
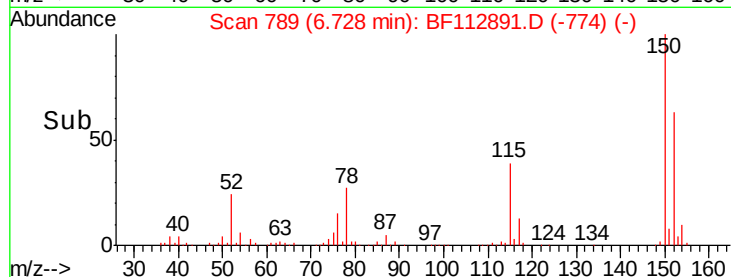
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.73 min Scan# 789  
Delta R.T. -0.01 min  
Lab File: BF112891.D  
Acq: 6 Mar 2019 19:37

Instrument :  
BNA\_F  
ClientSampleId :  
S12

Tot Ion:152 Resp: 166754  
Ion Ratio Lower Upper  
152 100  
150 159.1 124.2 186.2  
115 61.7 48.2 72.4



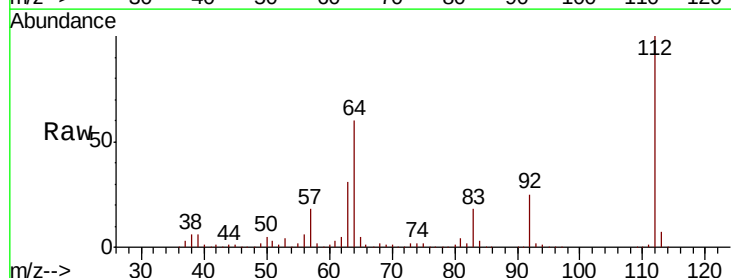
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



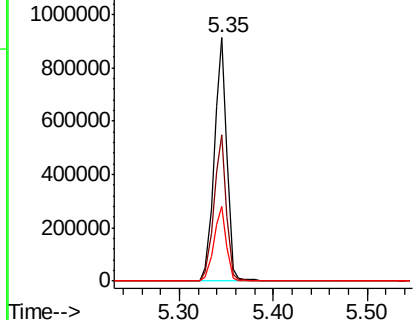
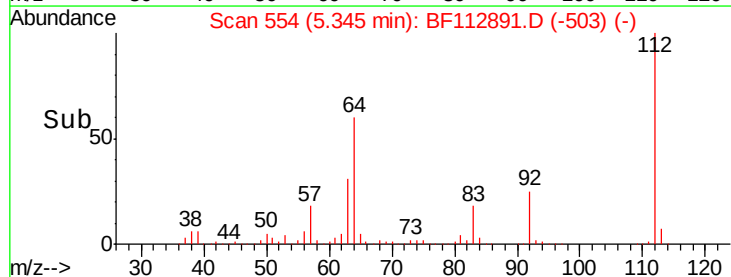
#5

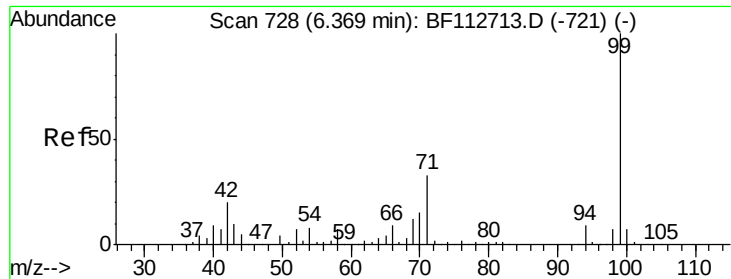
2-Fluorophenol  
Concen: 81.247 ng  
RT: 5.35 min Scan# 554  
Delta R.T. -0.00 min  
Lab File: BF112891.D  
Acq: 6 Mar 2019 19:37

Tgt Ion:112 Resp: 870965  
Ion Ratio Lower Upper  
112 100  
64 60.3 47.6 71.4  
63 30.9 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: 76.205 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

Instrument :

BNA\_F

ClientSampleId :

S12

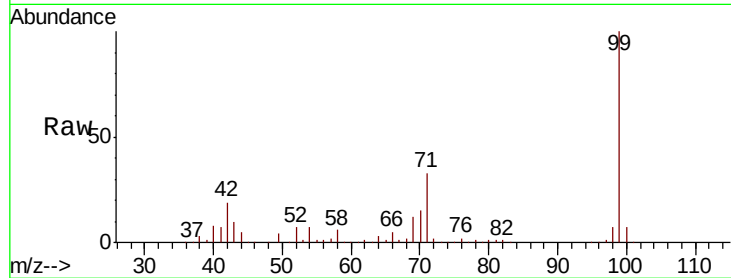
Tot Ion: 99 Resp: 1026185

Ion Ratio Lower Upper

99 100

42 19.4 16.3 24.5

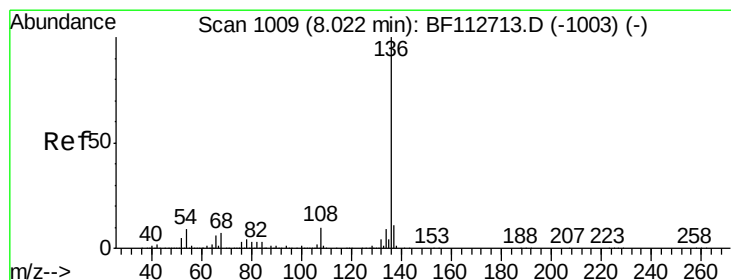
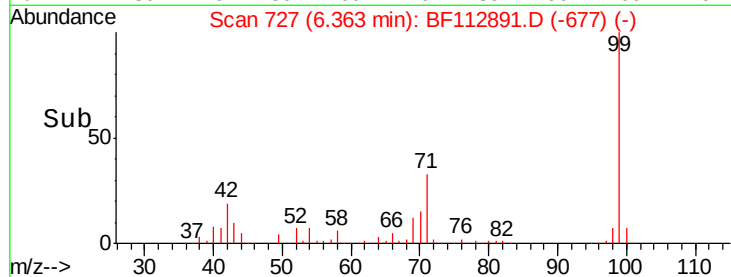
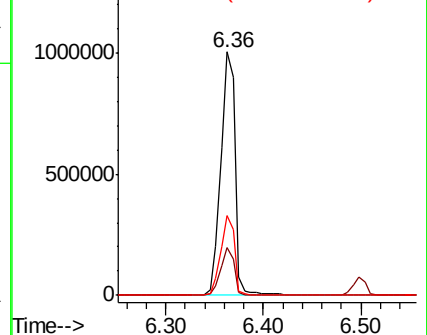
71 32.7 26.2 39.4



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: BF112891.D

Acq: 6 Mar 2019 19:37

Tgt Ion: 136 Resp: 643373

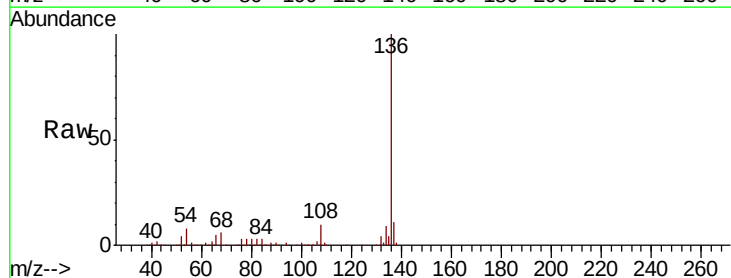
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 7.3 10.9

68 6.2 5.4 8.2

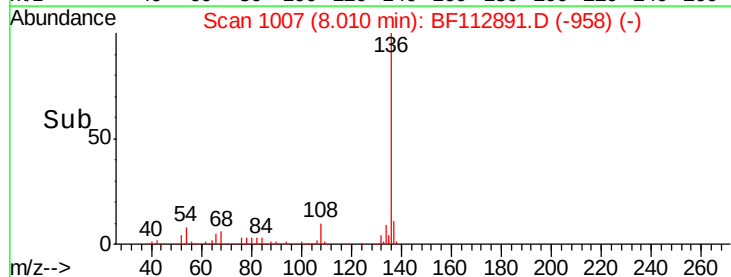
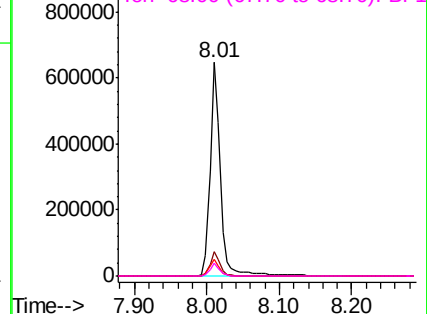


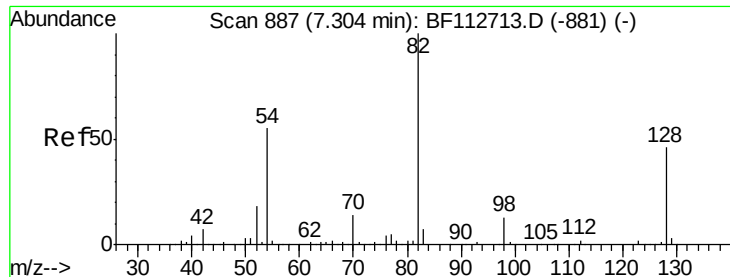
Abundance Ion 136.00 (135.70 to 136.70): E

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

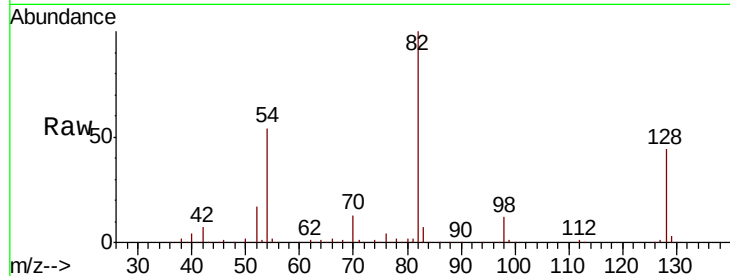




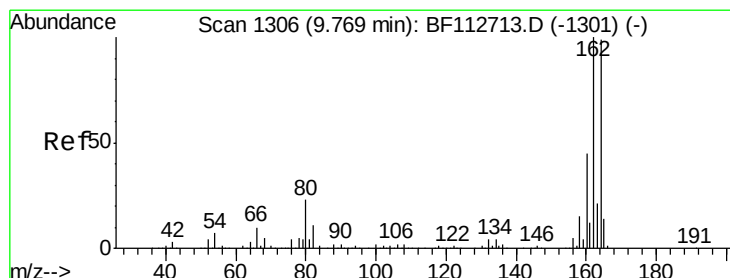
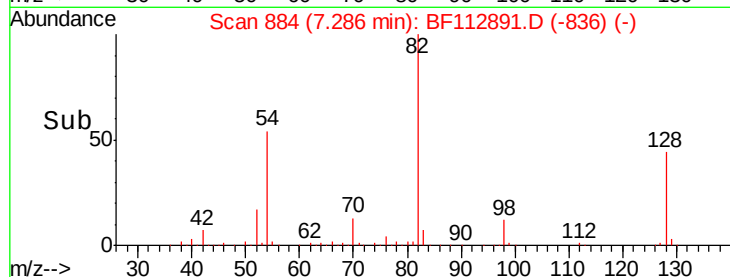
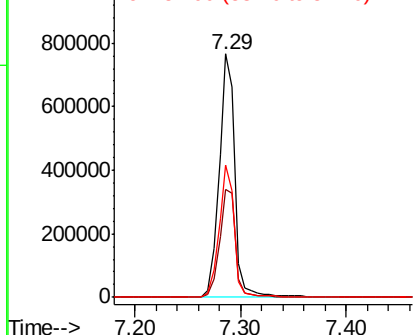
#23  
Nitrobenzene-d5  
Concen: 75.134 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.02 min  
Lab File: BF112891.D  
Acq: 6 Mar 2019 19:37

Instrument :  
BNA\_F  
ClientSampled :  
S12

Tot Ion: 82 Resp: 807834  
Ion Ratio Lower Upper  
82 100  
128 44.5 36.3 54.5  
54 54.2 43.7 65.5

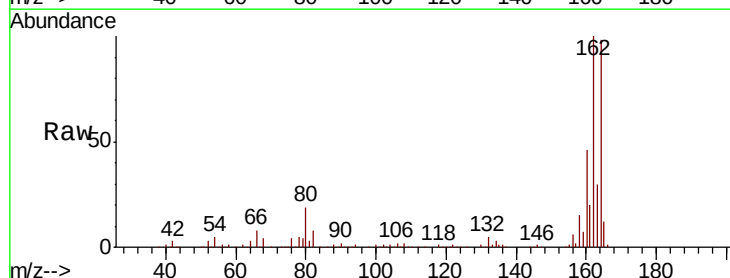


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

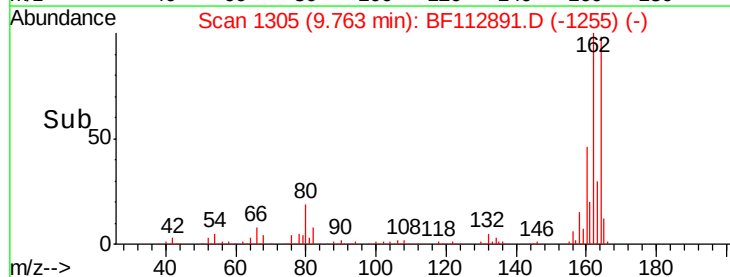
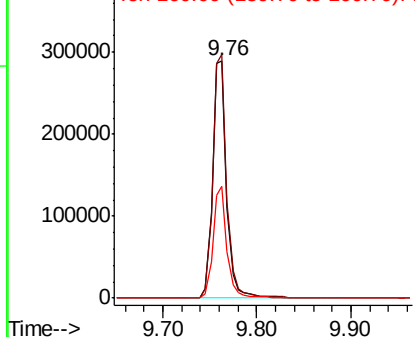


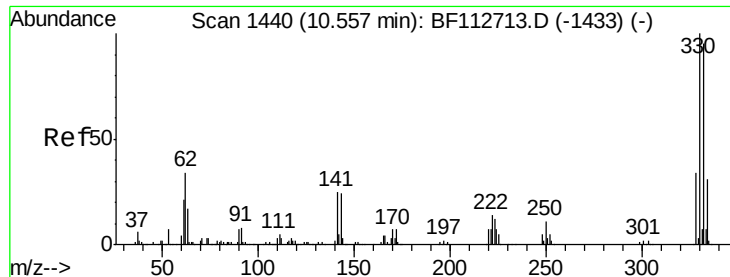
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF112891.D  
Acq: 6 Mar 2019 19:37

Tgt Ion:164 Resp: 307785  
Ion Ratio Lower Upper  
164 100  
162 102.4 80.6 120.8  
160 46.8 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: 118.832 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

Instrument :

BNA\_F

ClientSampled :

S12

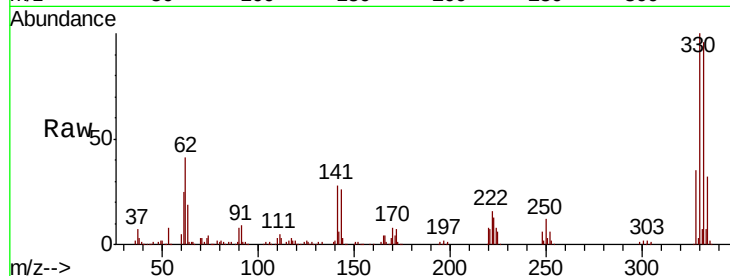
Tot Ion:330 Resp: 388285

Ion Ratio Lower Upper

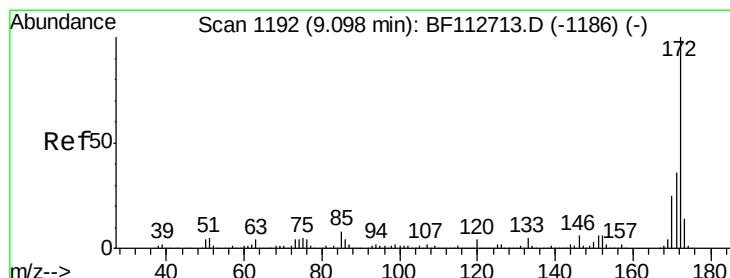
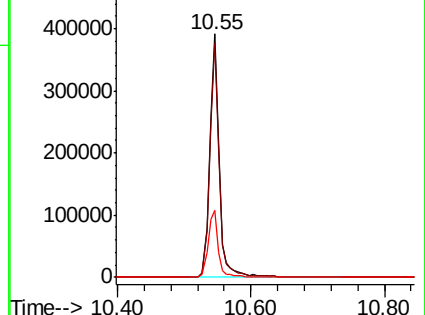
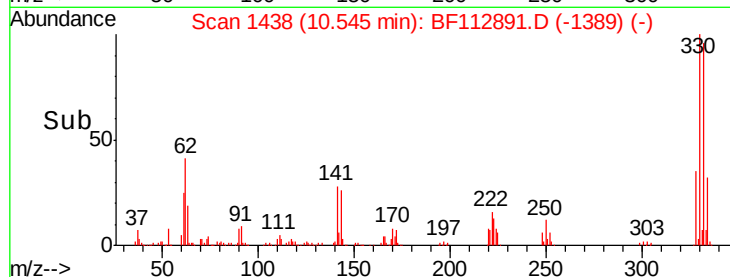
330 100

332 96.0 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: 80.814 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

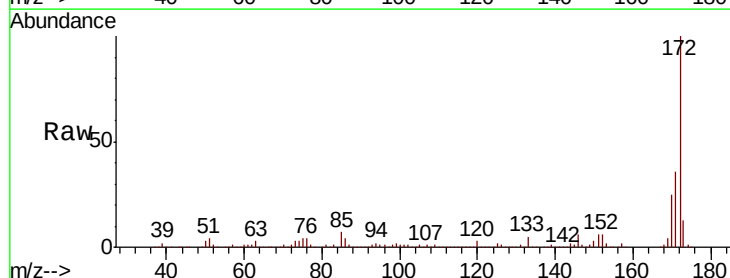
Tgt Ion:172 Resp: 1520939

Ion Ratio Lower Upper

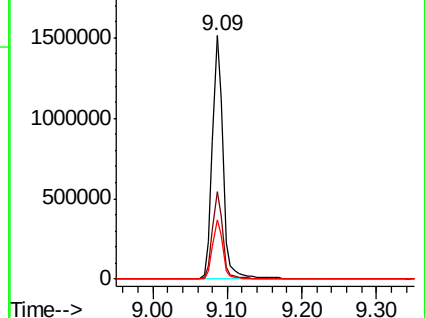
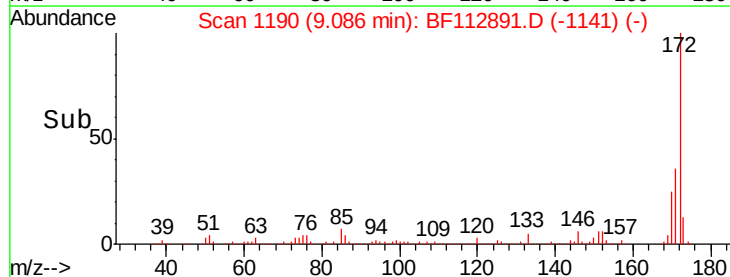
172 100

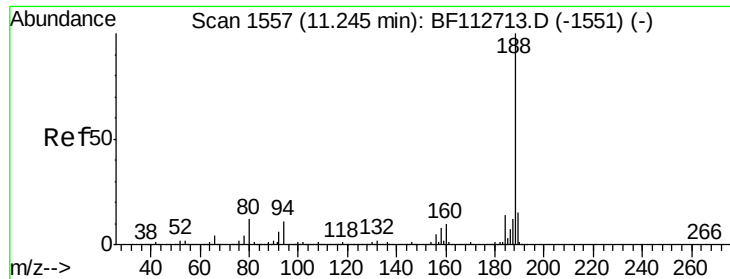
171 36.0 29.0 43.4

170 24.6 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: BF112891.D

Acq: 6 Mar 2019 19:37

Instrument :

BNA\_F

ClientSampleId :

S12

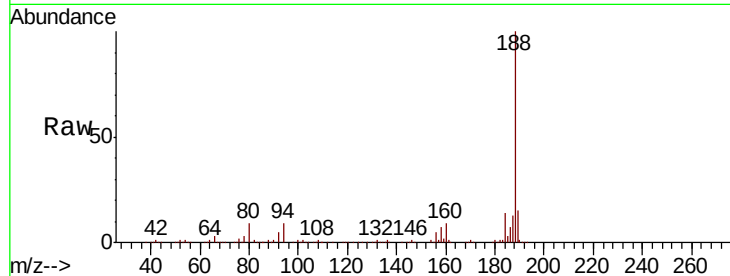
Tot Ion:188 Resp: 607769

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

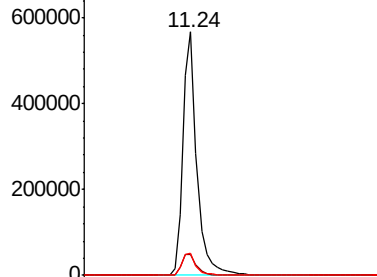
80 8.9 9.2 13.8#



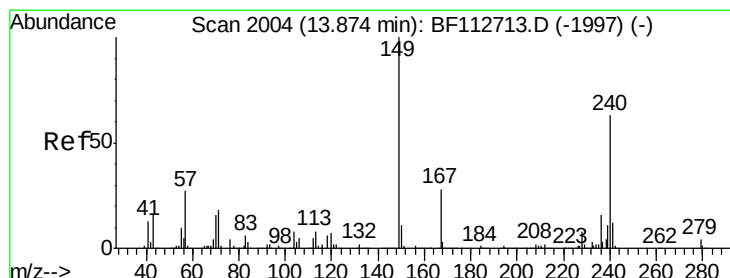
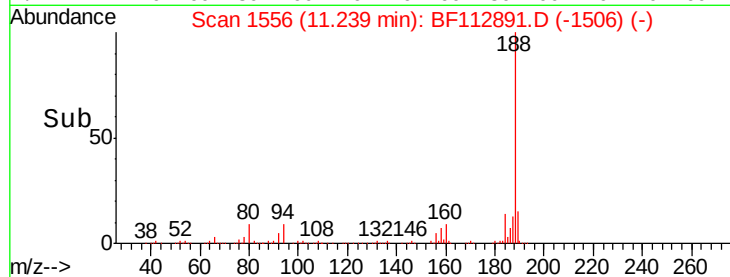
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

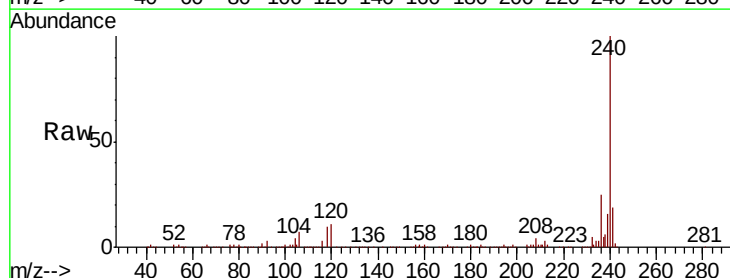
Tgt Ion:240 Resp: 434655

Ion Ratio Lower Upper

240 100

120 11.2 8.9 13.3

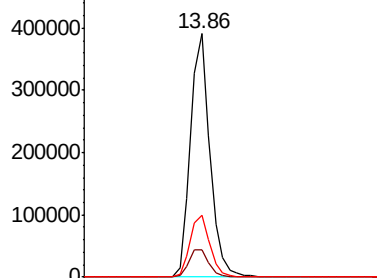
236 25.2 20.7 31.1



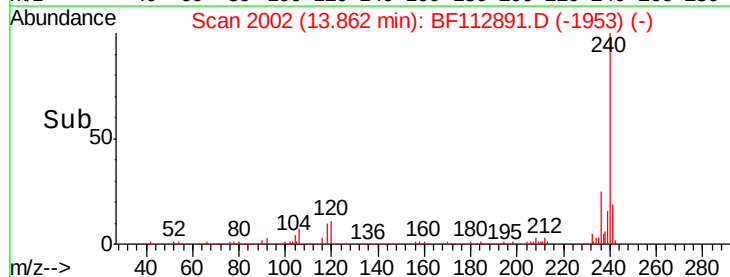
Abundance Ion 240.00 (239.70 to 240.70): E

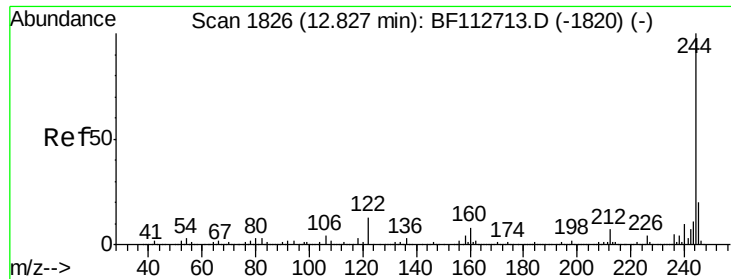
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#79

Terphenyl-d14

Concen: 69.004 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

Instrument :

BNA\_F

ClientSampleId :

S12

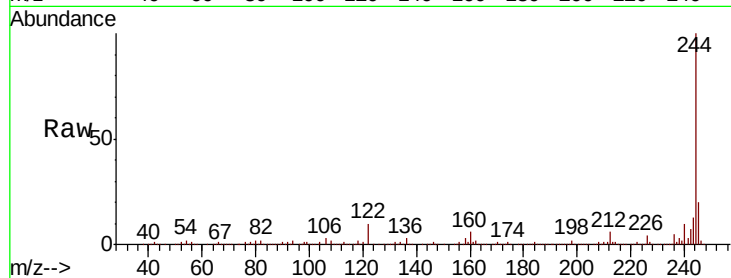
Tot Ion:244 Resp: 1547236

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

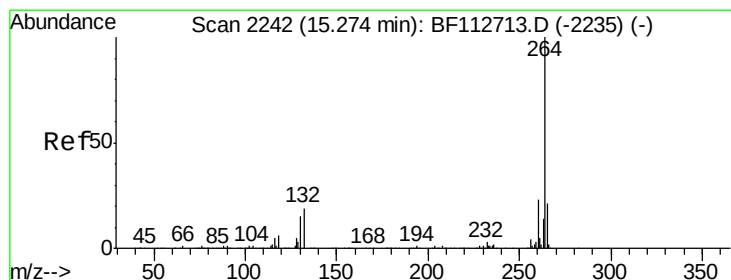
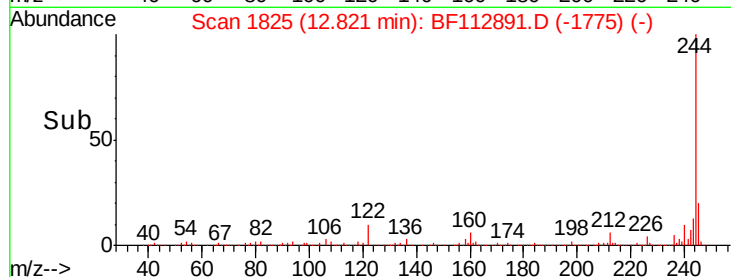
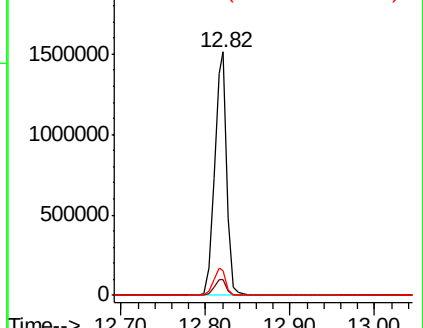
122 10.2 10.5 15.7#



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: 15.26 min Scan# 2240

Delta R.T. -0.01 min

Lab File: BF112891.D

Acq: 6 Mar 2019 19:37

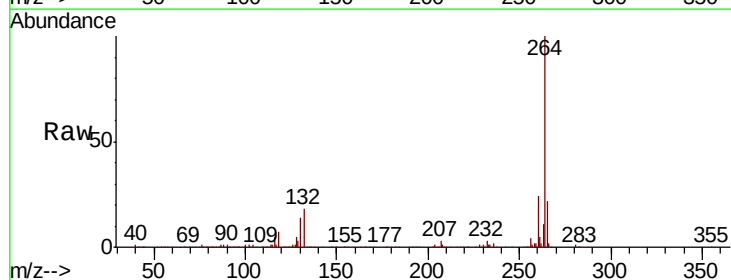
Tgt Ion:264 Resp: 436905

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.6 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

