

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\  
 Data File : BF112591.D  
 Acq On : 15 Feb 2019 20:59  
 Operator : JU/SJ  
 Sample : K1346-15 2X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Quant Time: Feb 16 00:11:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 107544   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.12  | 136  | 437447   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 221258   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 393237   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.01 | 240  | 252222   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.49 | 264  | 211312   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 271210   | 53.57 | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 355347   | 50.51 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 227471   | 29.96 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 118360   | 45.96 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 468412   | 29.94 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.94 | 244  | 373263   | 27.87 | ng    | -0.01    |

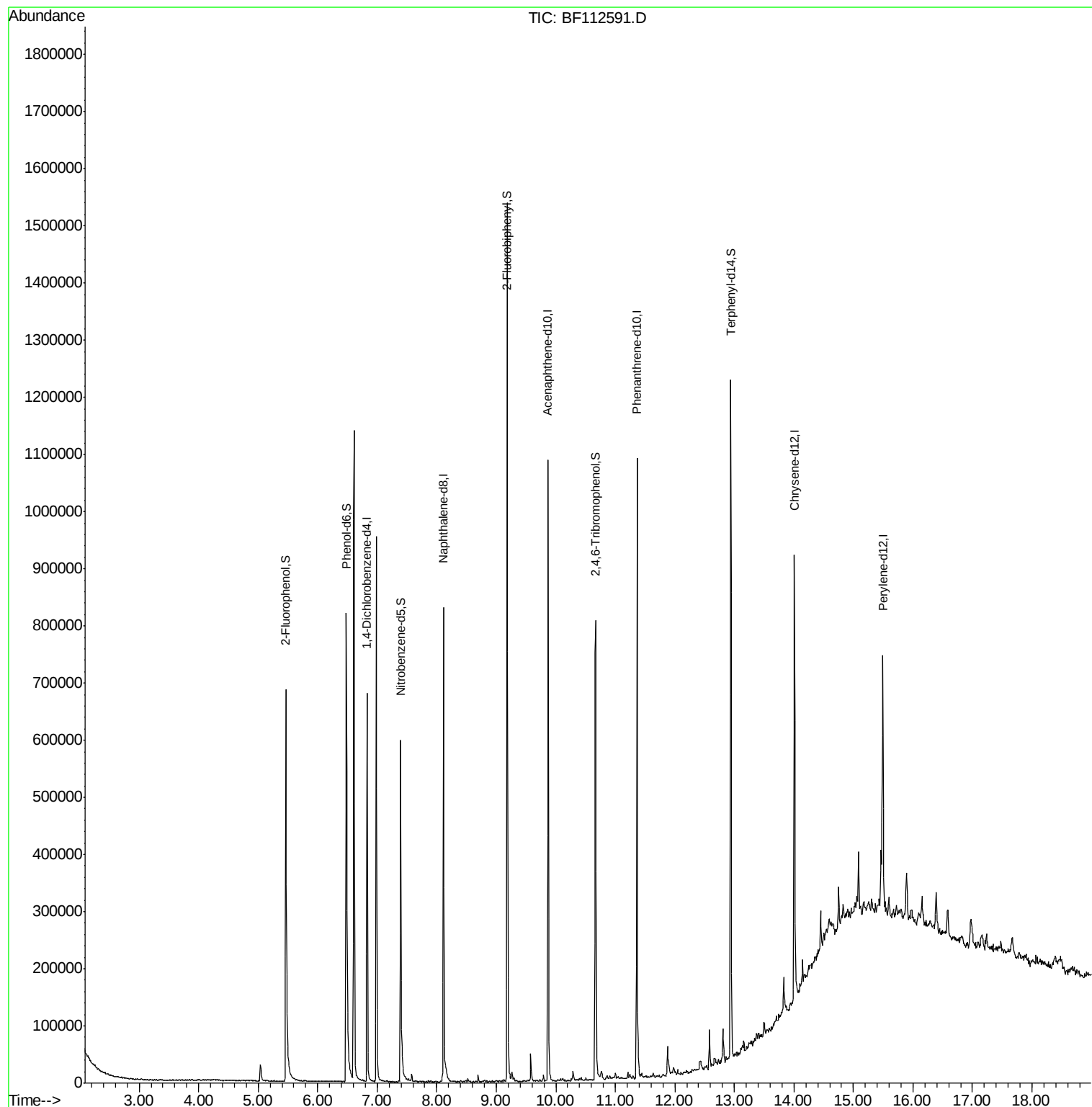
Target Compounds Qvalue

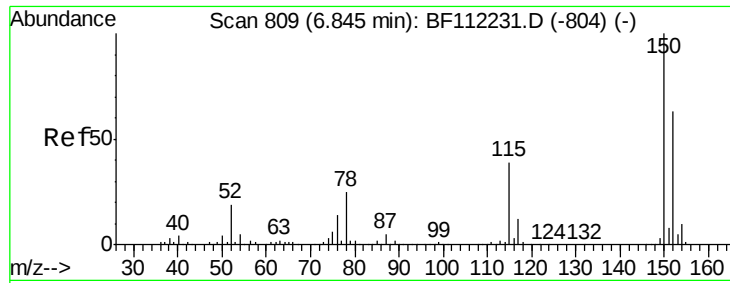
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\  
Data File : BF112591.D  
Acq On : 15 Feb 2019 20:59  
Operator : JU/SJ  
Sample : K1346-15 2X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Quant Time: Feb 16 00:11:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 28 10:38:18 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

Instrument :

BNA\_F

ClientSampleId :

CL-01-021419-E

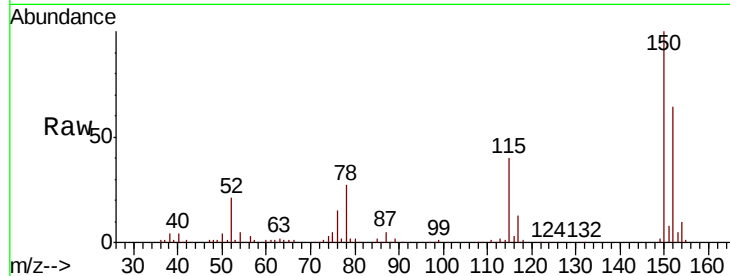
Tot Ion:152 Resp: 107544

Ion Ratio Lower Upper

152 100

150 156.2 127.4 191.0

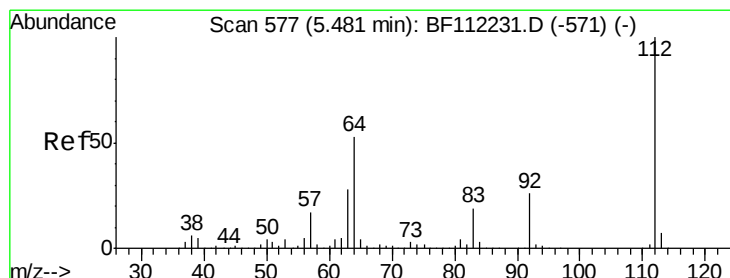
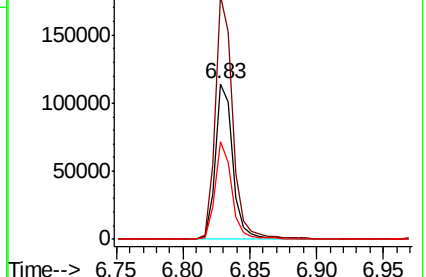
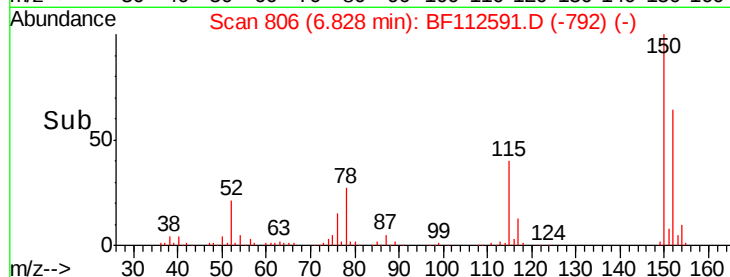
115 62.8 45.5 68.3



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: 53.566 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.02 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

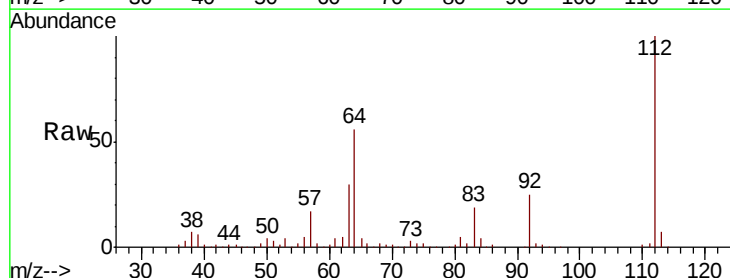
Tgt Ion:112 Resp: 271210

Ion Ratio Lower Upper

112 100

64 56.1 45.7 68.5

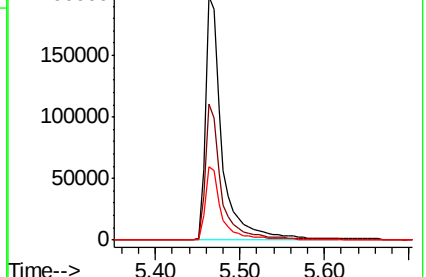
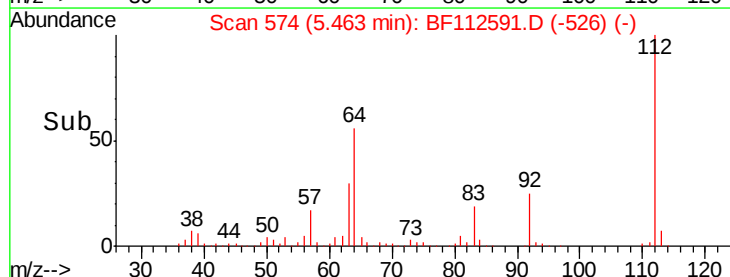
63 30.2 23.6 35.4



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: 50.508 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

Instrument :

BNA\_F

ClientSampleId :

CL-01-021419-E

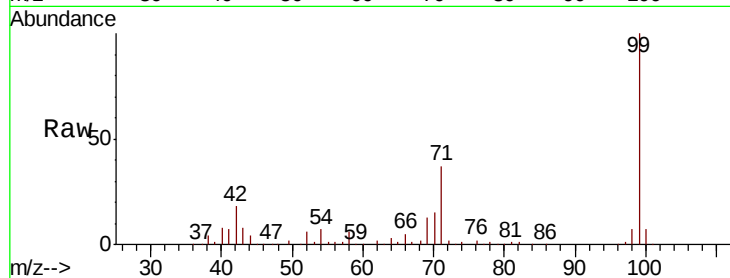
Tot Ion: 99 Resp: 355347

Ion Ratio Lower Upper

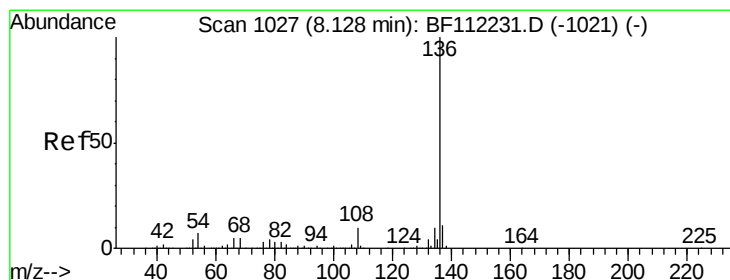
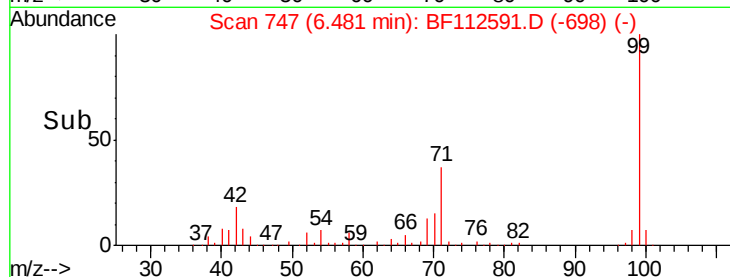
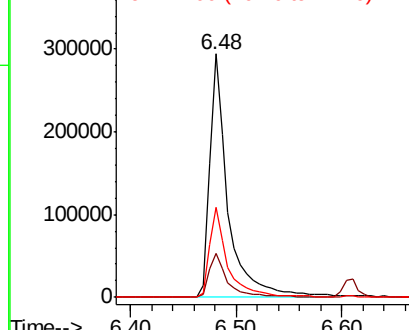
99 100

42 18.3 15.1 22.7

71 36.8 26.9 40.3



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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

Tgt Ion: 136 Resp: 437447

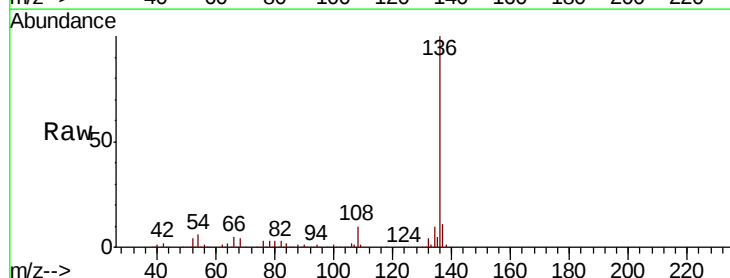
Ion Ratio Lower Upper

136 100

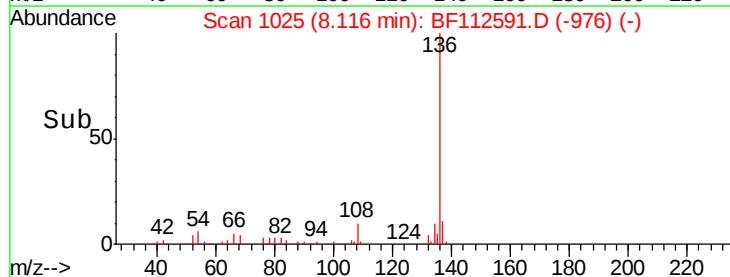
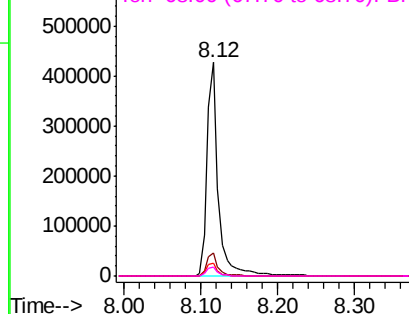
137 11.1 9.1 13.7

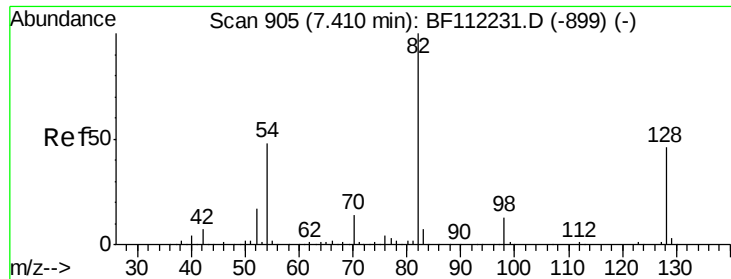
54 6.1 5.9 8.9

68 4.1 5.1 7.7#



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

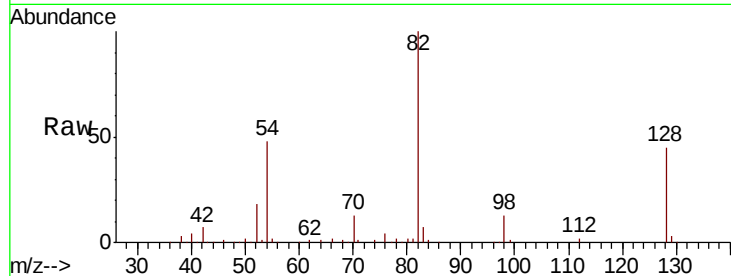




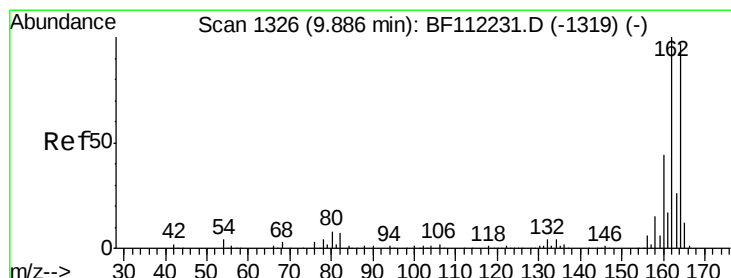
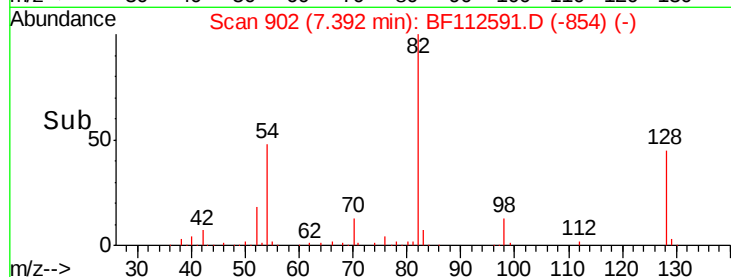
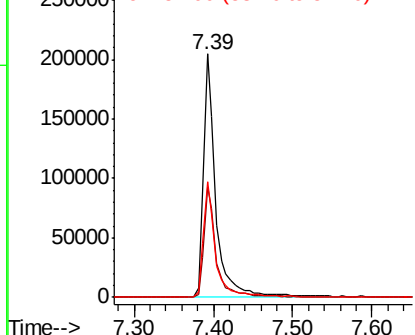
#23  
Nitrobenzene-d5  
Concen: 29.962 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.02 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Tot Ion: 82 Resp: 227471  
Ion Ratio Lower Upper  
82 100  
128 45.2 37.8 56.8  
54 47.7 39.7 59.5

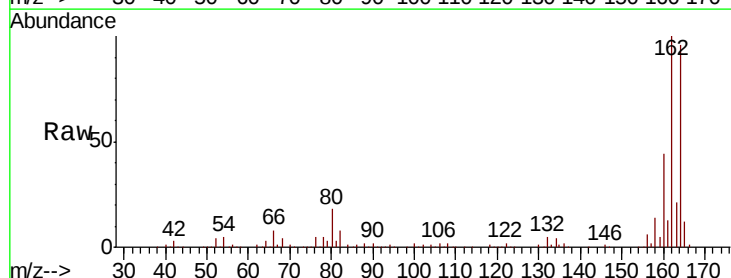


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1

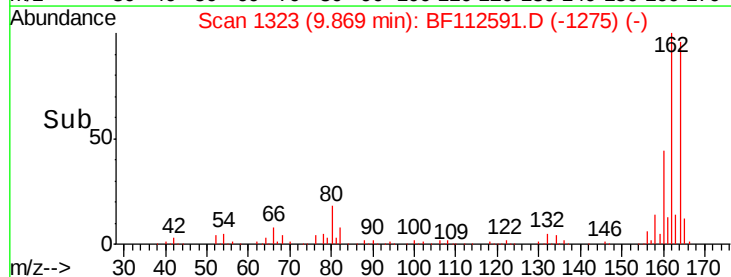
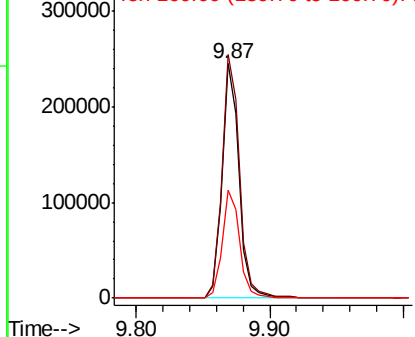


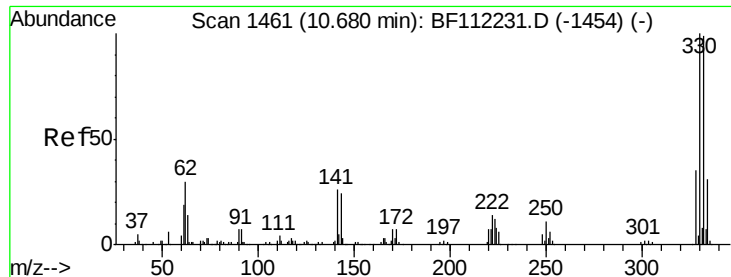
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Tgt Ion:164 Resp: 221258  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.2 123.4  
160 46.0 36.2 54.4



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: 45.958 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

Instrument :

BNA\_F

ClientSampleId :

CL-01-021419-E

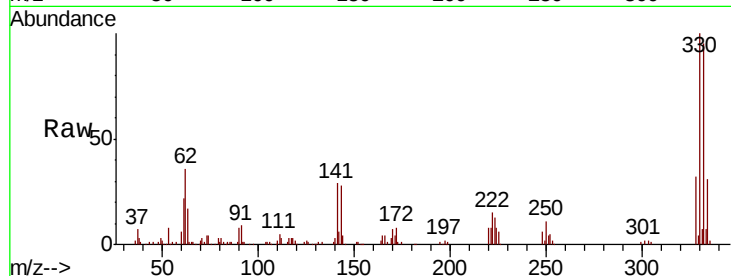
Tot Ion:330 Resp: 118360

Ion Ratio Lower Upper

330 100

332 95.4 76.6 114.8

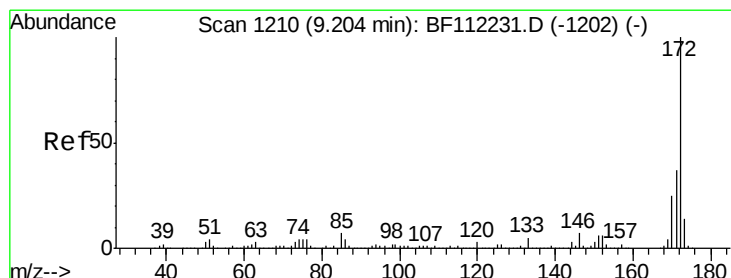
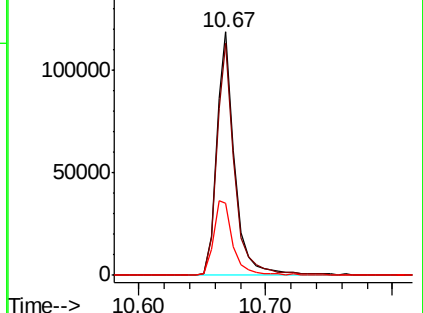
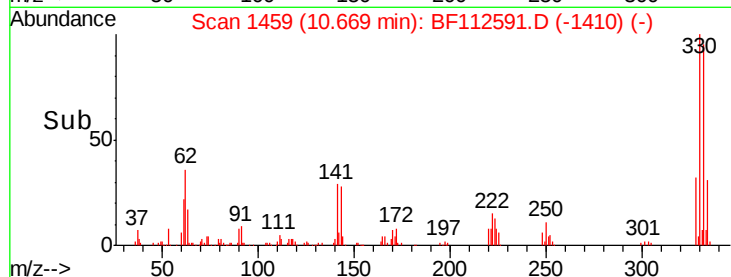
141 33.8 24.3 36.5



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: 29.942 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112591.D

Acq: 15 Feb 2019 20:59

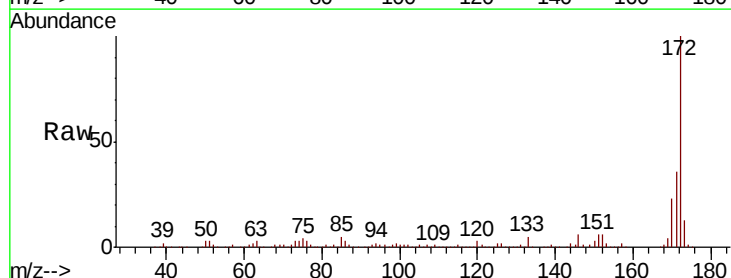
Tgt Ion:172 Resp: 468412

Ion Ratio Lower Upper

172 100

171 35.8 30.5 45.7

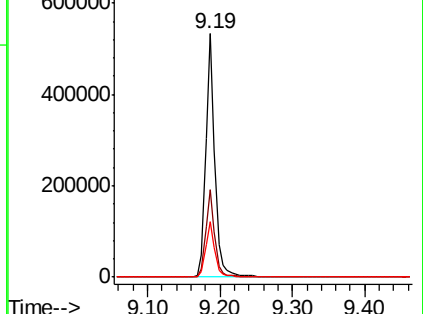
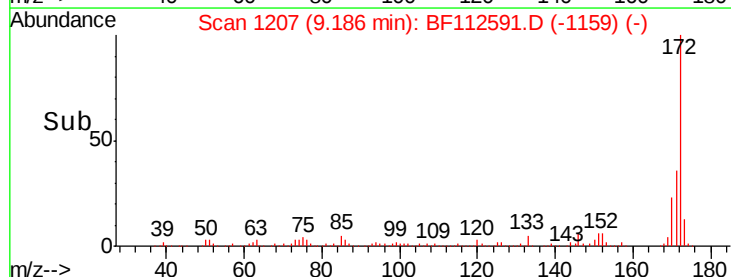
170 22.9 20.2 30.4



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

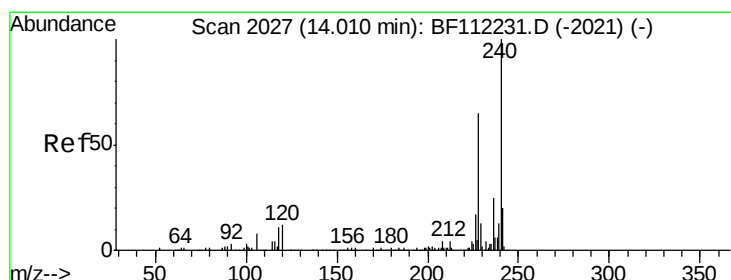
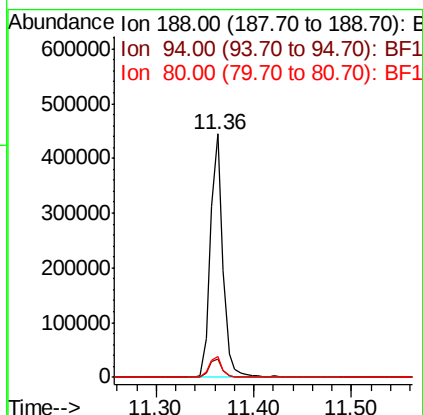
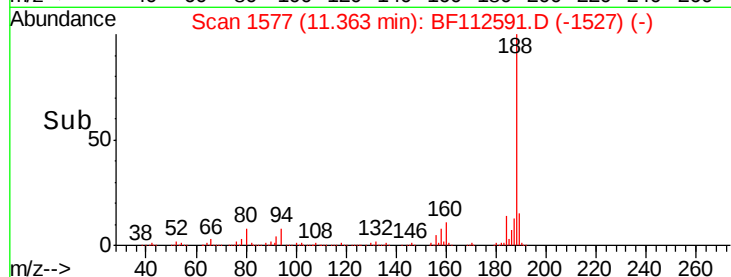
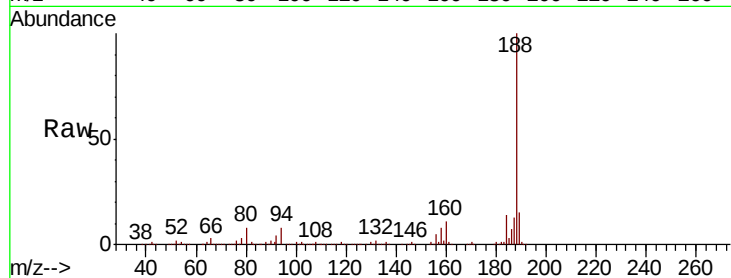




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1577  
Delta R.T. -0.01 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

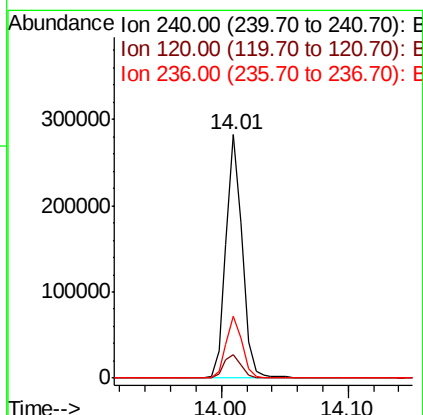
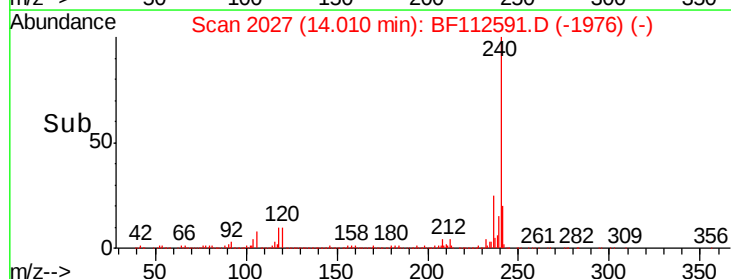
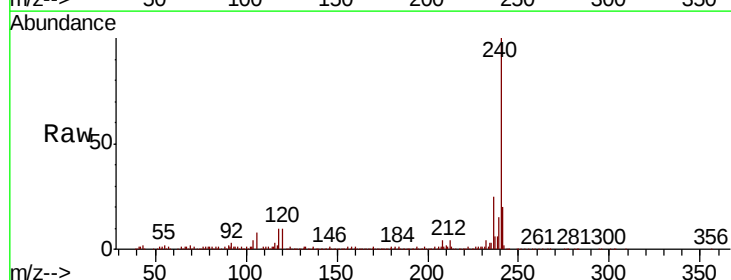
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-021419-E

Tot Ion:188 Resp: 393237  
Ion Ratio Lower Upper  
188 100  
94 7.7 8.2 12.2#  
80 8.3 8.9 13.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. 0.00 min  
Lab File: BF112591.D  
Acq: 15 Feb 2019 20:59

Tgt Ion:240 Resp: 252222  
Ion Ratio Lower Upper  
240 100  
120 9.8 9.0 13.6  
236 25.2 20.7 31.1

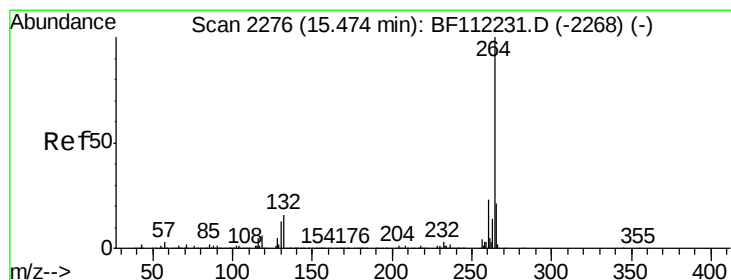
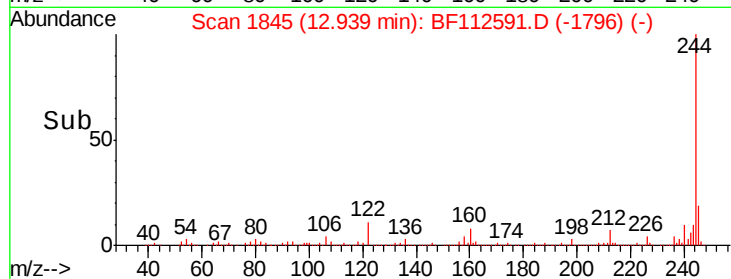
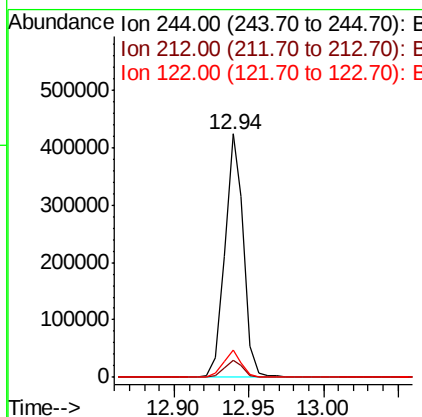
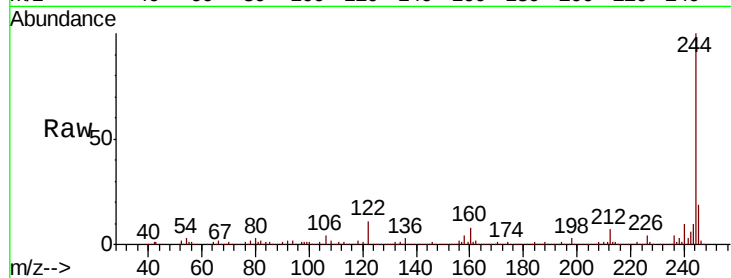




#79  
 Terphenyl-d14  
 Concen: 27.873 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-021419-E

Tot Ion:244 Resp: 373263  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.9 8.9  
 122 11.3 9.8 14.6



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. 0.02 min  
 Lab File: BF112591.D  
 Acq: 15 Feb 2019 20:59

Tgt Ion:264 Resp: 211312  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.2 27.2  
 265 22.1 17.0 25.4

