

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\  
 Data File : BF089601.D  
 Acq On : 4 Aug 2016 22:30  
 Operator : UM/SJ  
 Sample : PB92672TB  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB92672TB

Quant Time: Aug 05 02:02:19 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 01:39:23 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.45  | 152  | 43725    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 9.47  | 136  | 188748   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 12.28 | 164  | 93018    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 14.69 | 188  | 187805   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 18.38 | 240  | 131941   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 20.05 | 264  | 97956    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 324426   | 124.36 | ng    | 0.02     |
| 7) Phenol-d6                | 6.97  | 99   | 433500   | 122.49 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.35  | 82   | 265859   | 77.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 13.58 | 330  | 93197    | 121.41 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 11.24 | 172  | 525962   | 73.49  | ng    | -0.01    |
| 78) Terphenyl-d14           | 17.05 | 244  | 478119   | 71.54  | ng    | 0.00     |

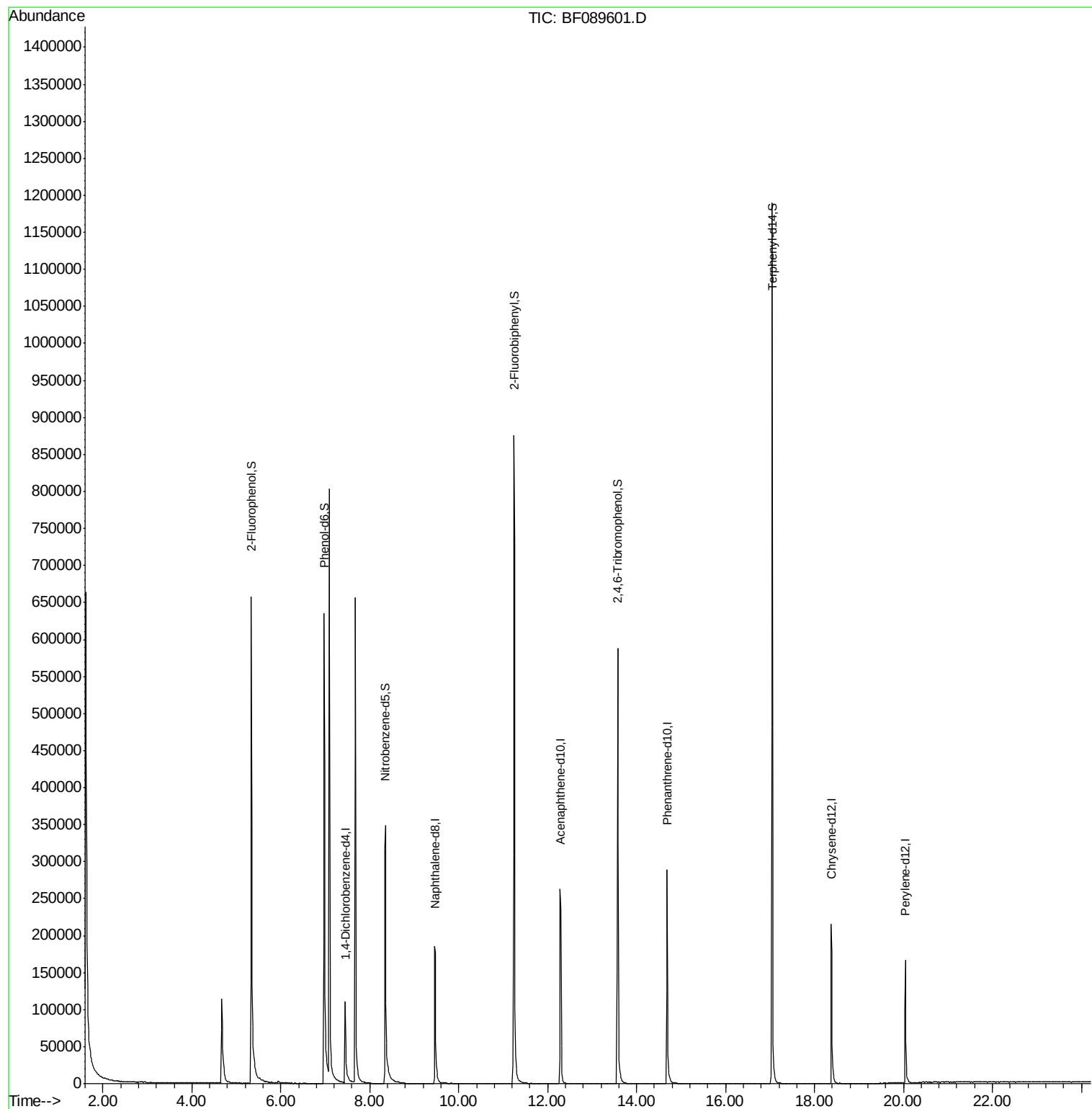
Target Compounds Qvalue

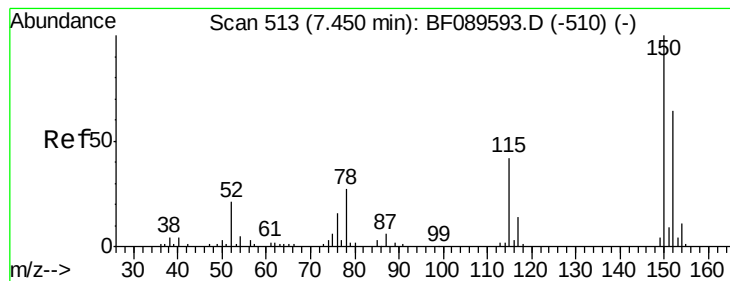
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA\_F

ClientSampleId :

PB92672TB

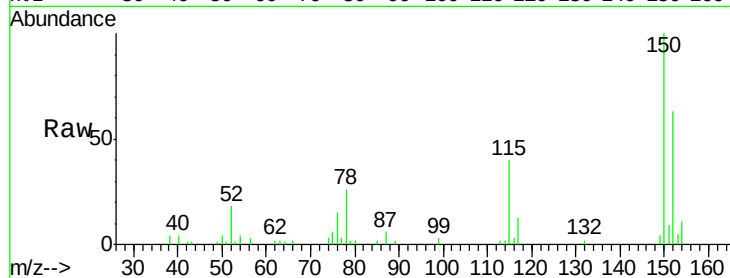
Tot Ion:152 Resp: 43725

Ion Ratio Lower Upper

152 100

150 158.2 125.5 188.3

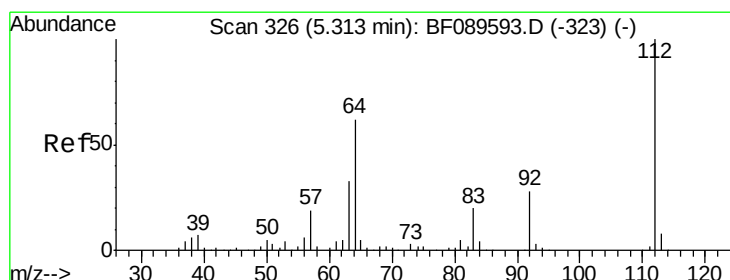
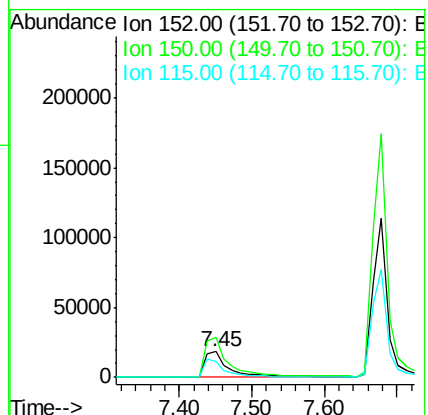
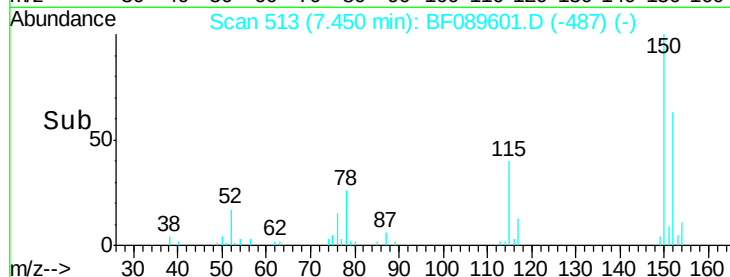
115 62.9 52.0 78.0



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: 124.36 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.02 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

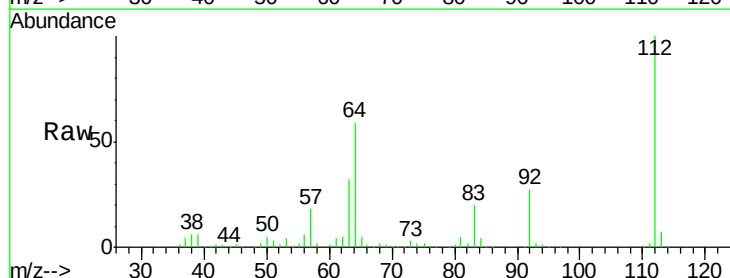
Tgt Ion:112 Resp: 324426

Ion Ratio Lower Upper

112 100

64 58.6 49.9 74.9

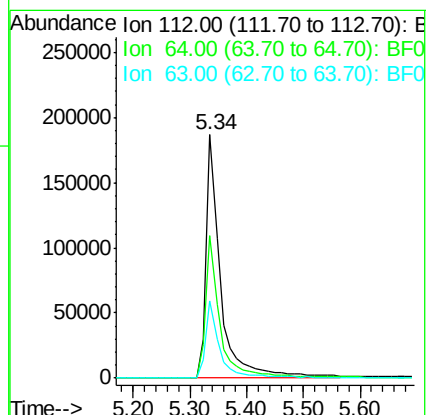
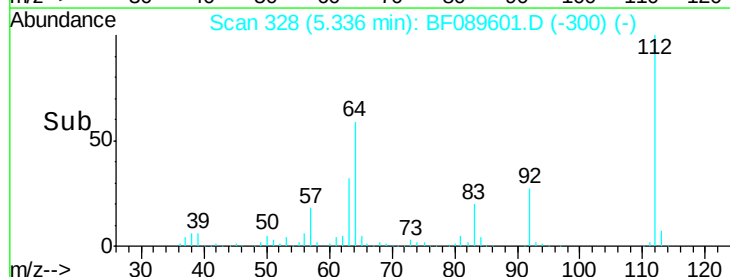
63 31.7 26.1 39.1

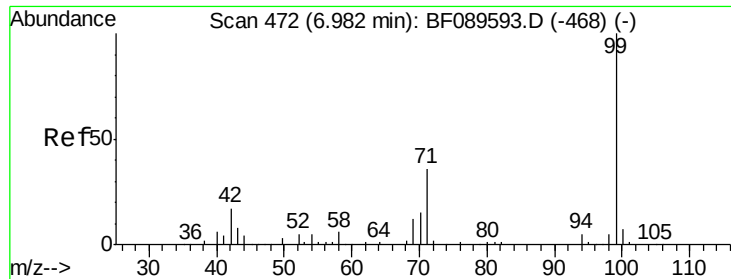


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.49 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA\_F

ClientSampleId :

PB92672TB

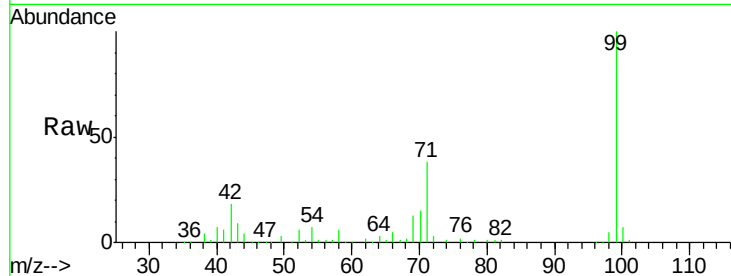
Tot Ion: 99 Resp: 433500

Ion Ratio Lower Upper

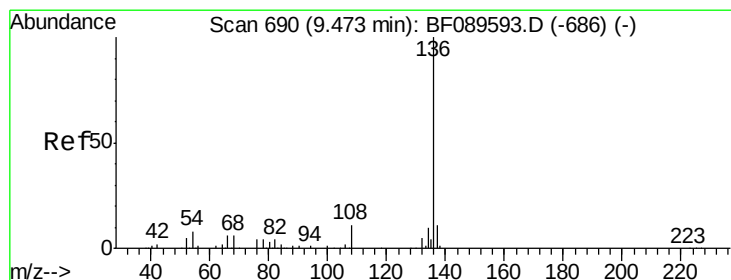
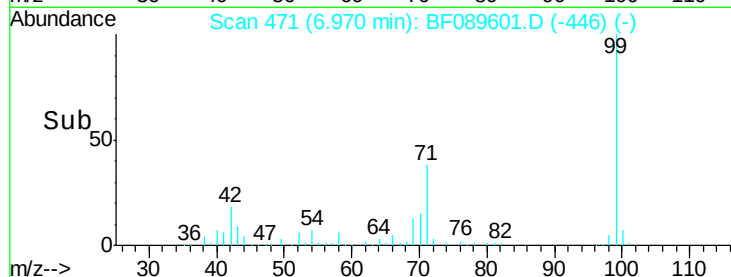
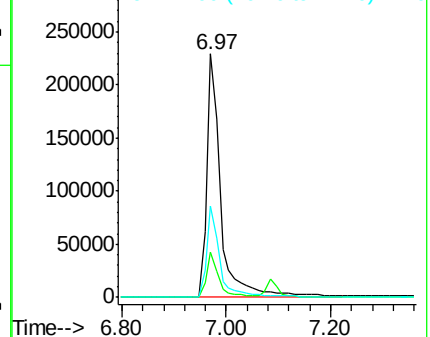
99 100

42 18.3 13.7 20.5

71 37.6 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.47 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Tgt Ion: 136 Resp: 188748

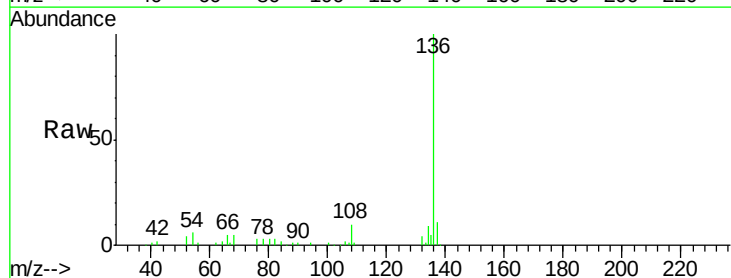
Ion Ratio Lower Upper

136 100

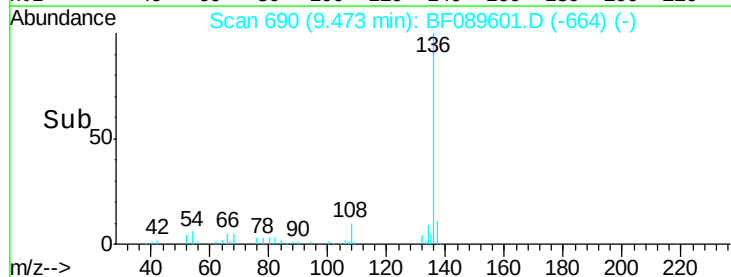
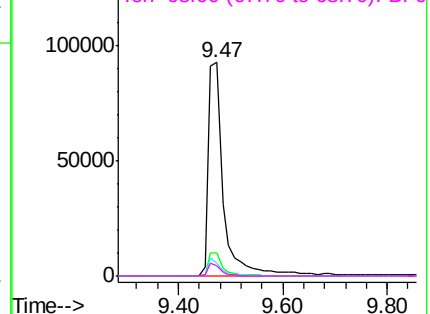
137 10.8 8.6 12.8

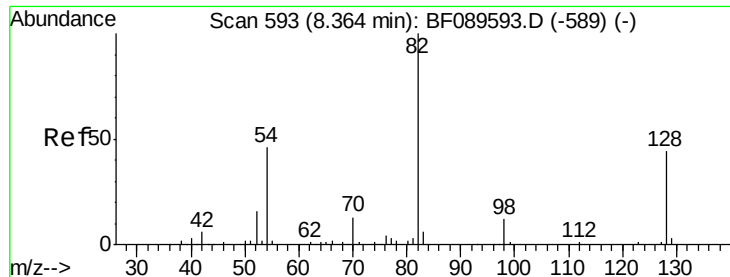
54 6.2 6.0 9.0

68 4.9 4.6 6.8



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): BF0  
Ion 68.00 (67.70 to 68.70): BF0

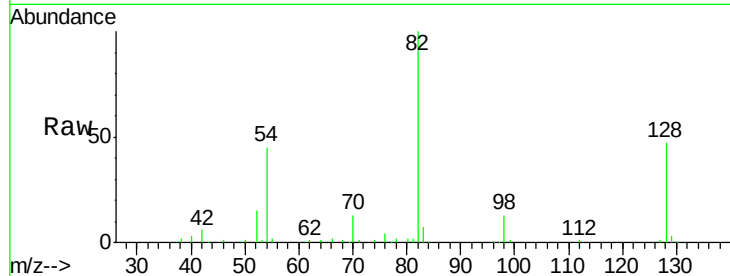




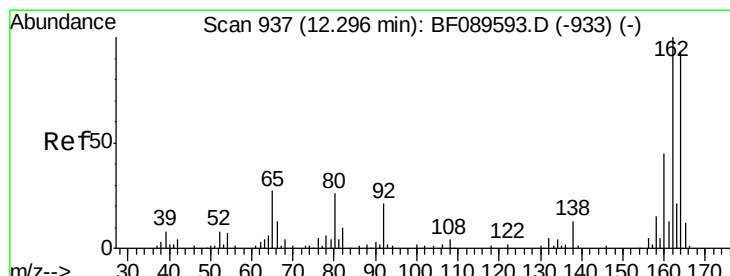
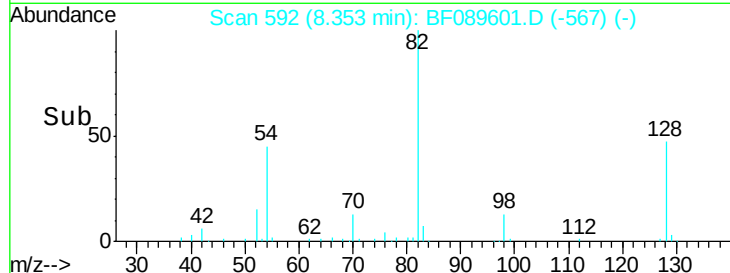
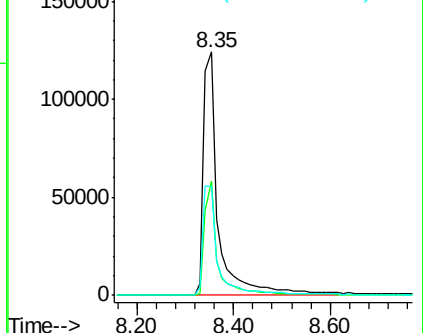
#23  
 Nitrobenzene-d5  
 Concen: 77.91 ng  
 RT: 8.35 min Scan# 592  
 Delta R.T. -0.01 min  
 Lab File: BF089601.D  
 Acq: 4 Aug 2016 22:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB92672TB

Tot Ion: 82 Resp: 265859  
 Ion Ratio Lower Upper  
 82 100  
 128 46.8 35.4 53.0  
 54 44.6 36.4 54.6

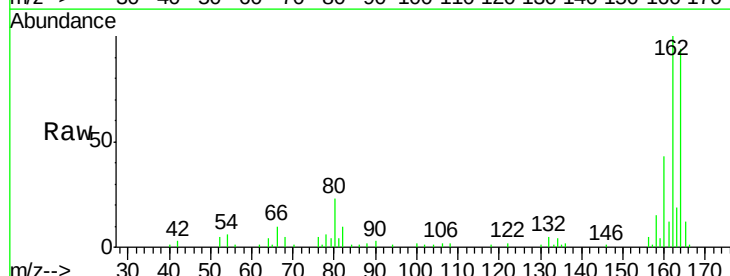


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

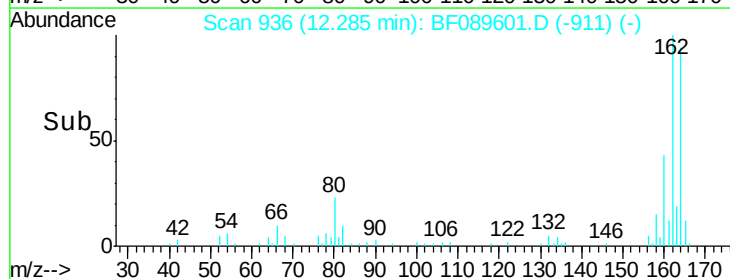
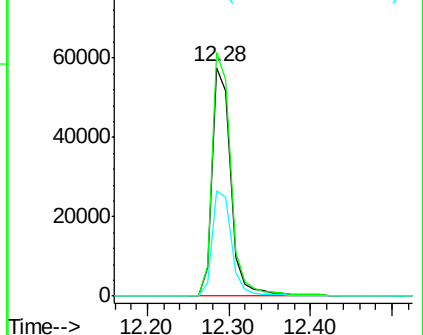


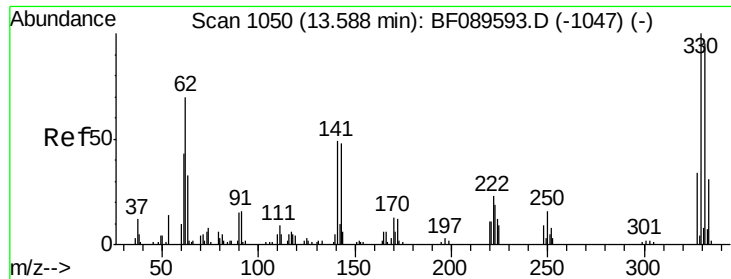
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.28 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: BF089601.D  
 Acq: 4 Aug 2016 22:30

Tgt Ion: 164 Resp: 93018  
 Ion Ratio Lower Upper  
 164 100  
 162 106.7 85.7 128.5  
 160 46.0 38.2 57.4



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

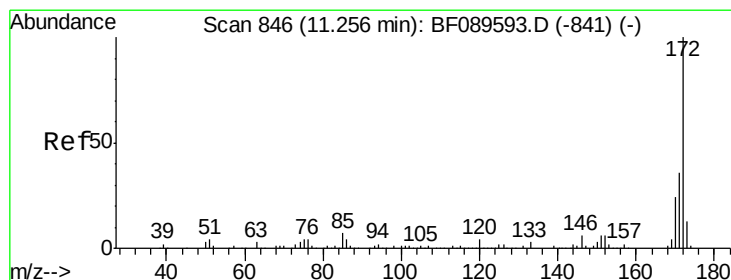
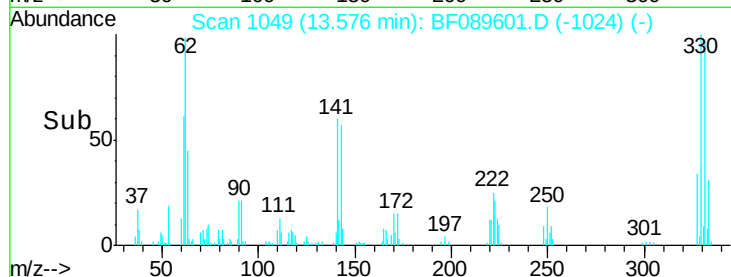
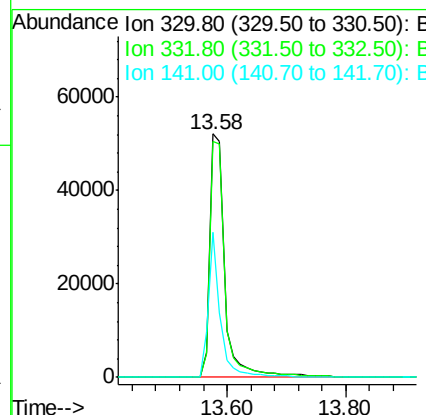
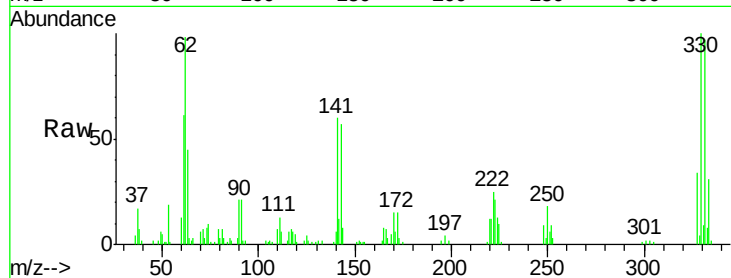




#41  
 2,4,6-Tribromophenol  
 Concen: 121.41 ng  
 RT: 13.58 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BF089601.D  
 Acq: 4 Aug 2016 22:30

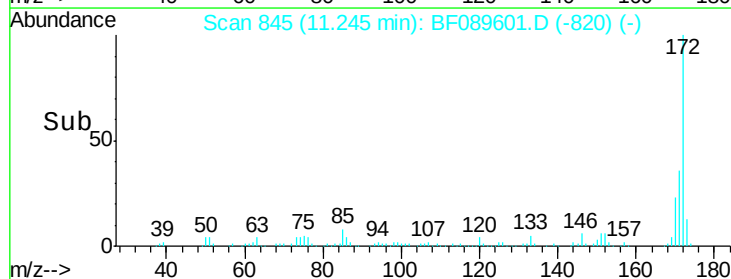
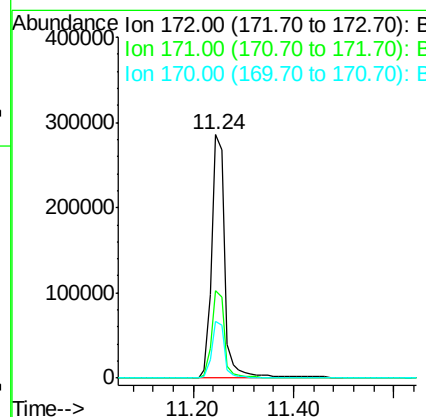
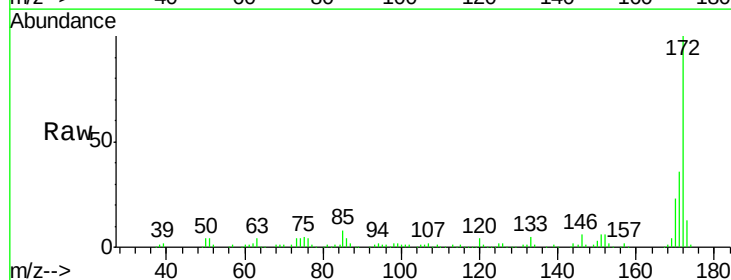
Instrument :  
 BNA\_F  
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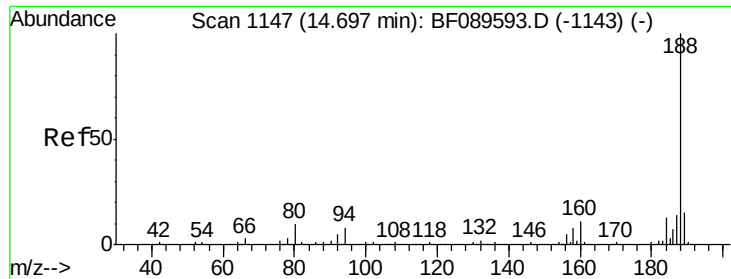
Tot Ion:330 Resp: 93197  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.0 115.6  
 141 47.8 38.6 57.8



#44  
 2-Fluorobiphenyl  
 Concen: 73.49 ng  
 RT: 11.24 min Scan# 845  
 Delta R.T. -0.01 min  
 Lab File: BF089601.D  
 Acq: 4 Aug 2016 22:30

Tgt Ion:172 Resp: 525962  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.9 43.3  
 170 23.2 19.0 28.6

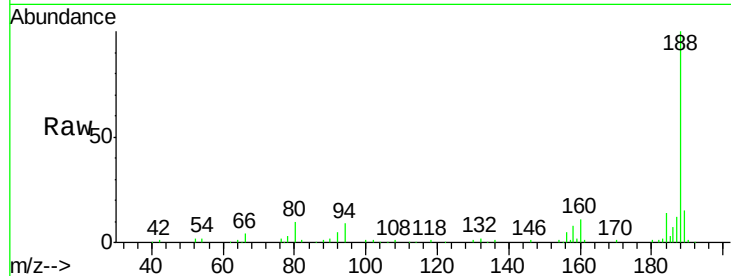




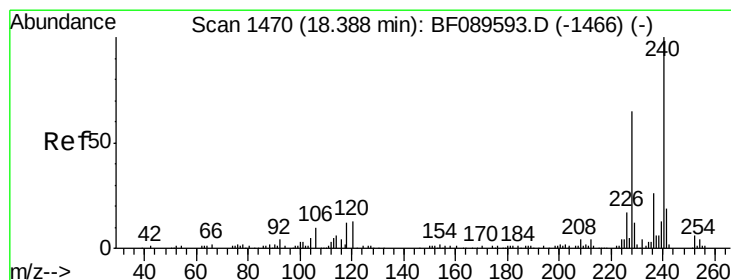
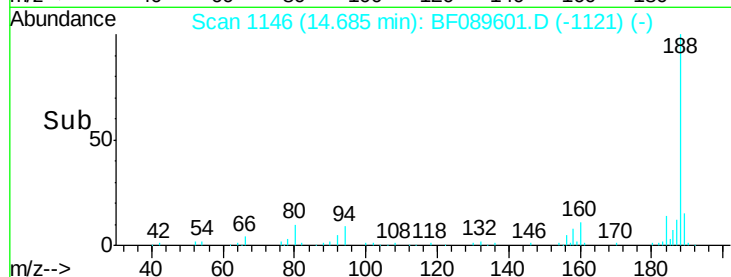
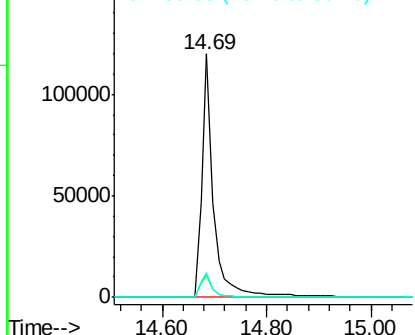
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.69 min Scan# 1146  
Delta R.T. -0.01 min  
Lab File: BF089601.D  
Acq: 4 Aug 2016 22:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB92672TB

Tot Ion:188 Resp: 187805  
Ion Ratio Lower Upper  
188 100  
94 9.2 6.5 9.7  
80 10.3 8.0 12.0

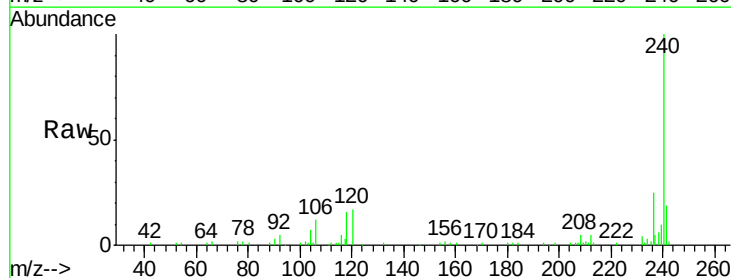


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

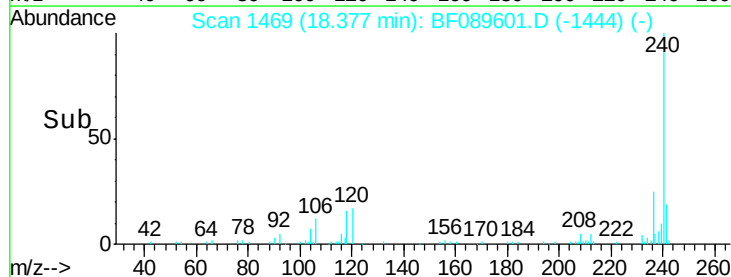
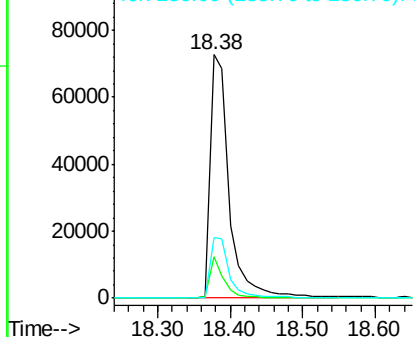


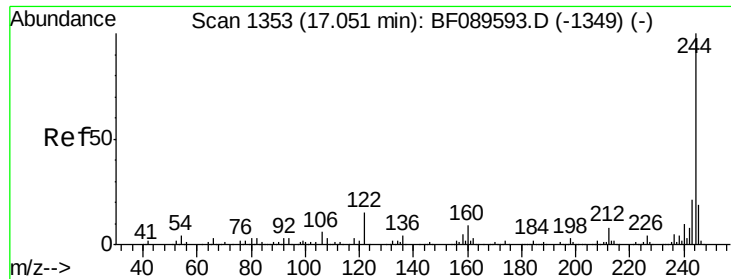
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.38 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: BF089601.D  
Acq: 4 Aug 2016 22:30

Tgt Ion:240 Resp: 131941  
Ion Ratio Lower Upper  
240 100  
120 16.9 10.6 15.8#  
236 25.1 20.6 30.8



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





#78

Terphenyl-d14

Concen: 71.54 ng

RT: 17.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

Instrument :

BNA\_F

ClientSampleId :

PB92672TB

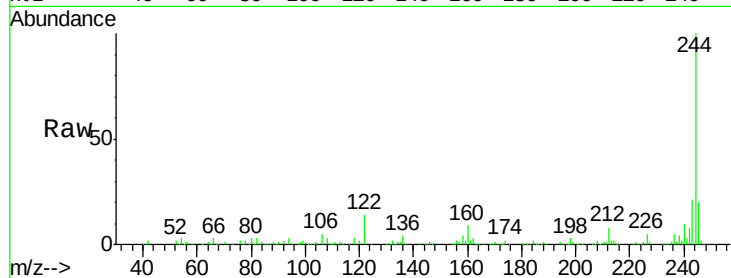
Tot Ion:244 Resp: 478119

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

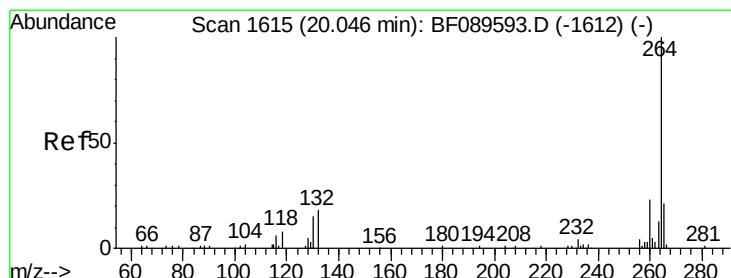
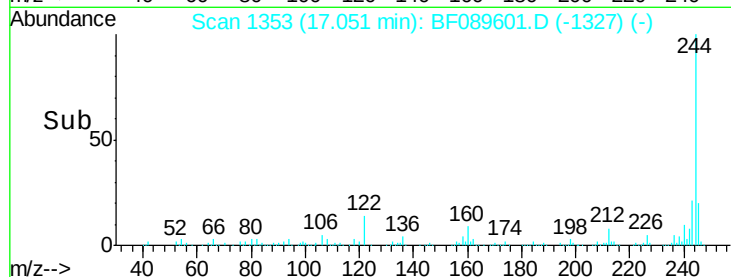
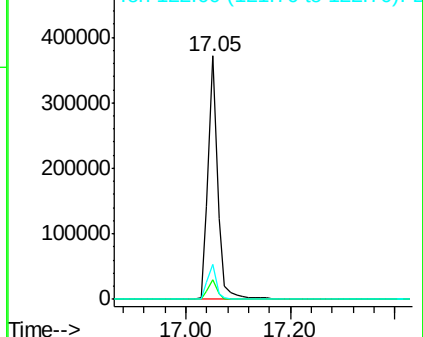
122 14.4 12.2 18.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.05 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF089601.D

Acq: 4 Aug 2016 22:30

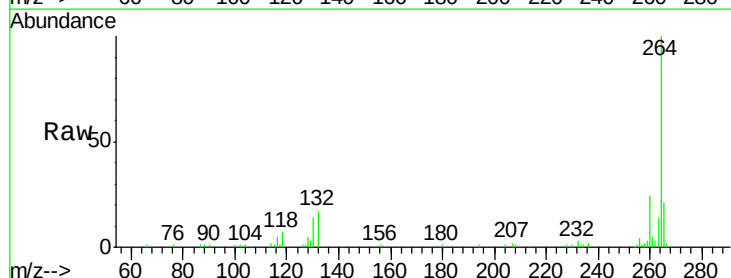
Tgt Ion:264 Resp: 97956

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.4 16.5 24.7



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

