

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\  
 Data File : BF097083.D  
 Acq On : 26 Jul 2017 18:58  
 Operator : SJ/JU  
 Sample : PB100971BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100971BL

Quant Time: Jul 27 08:40:38 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 108767   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.77  | 136  | 468339   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.52  | 164  | 212788   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.00 | 188  | 387018   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.62 | 240  | 319345   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 14.97 | 264  | 222235   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.10  | 112  | 833644   | 115.54 | ng    | 0.00     |
| 7) Phenol-d6                | 6.16  | 99   | 955685   | 116.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.06  | 82   | 584817   | 73.25  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.32 | 330  | 223107   | 132.70 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 1071105  | 85.43  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.59 | 244  | 953774   | 60.89  | ng    | 0.00     |

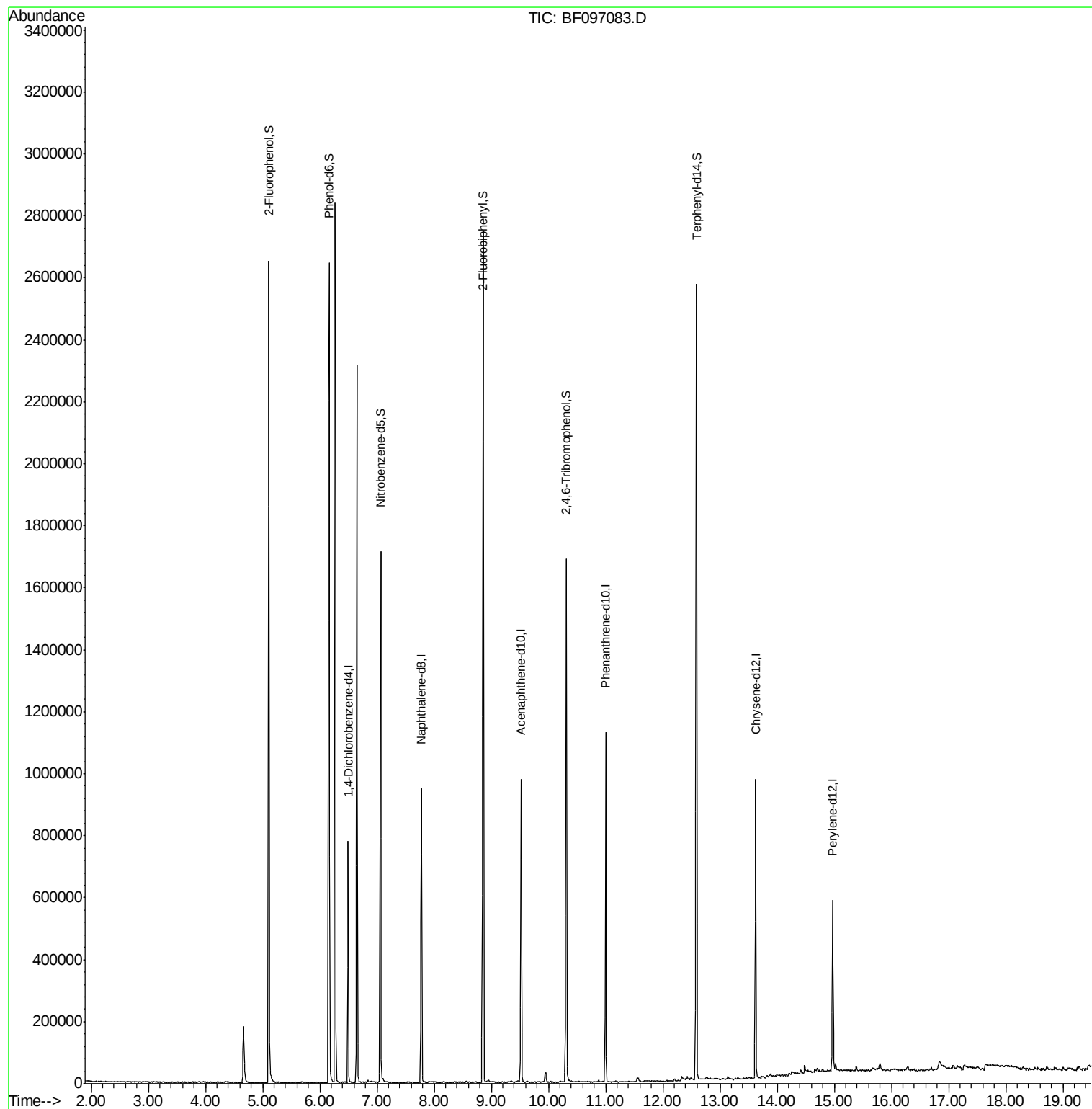
Target Compounds Qvalue

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

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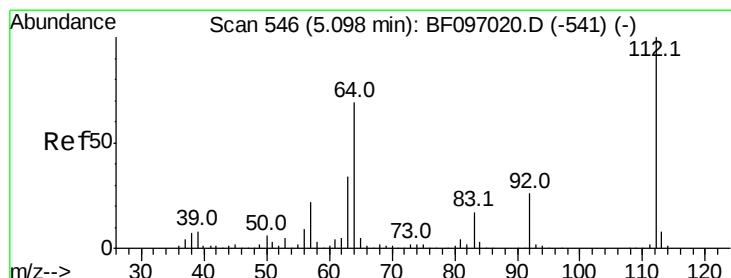
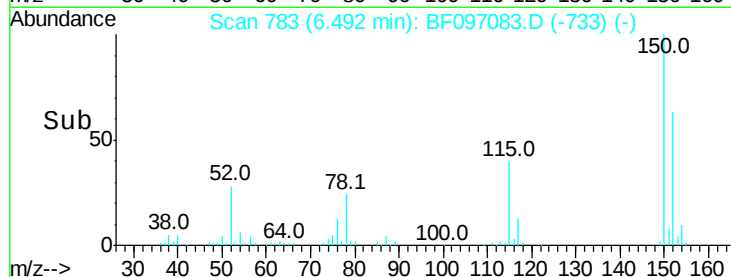
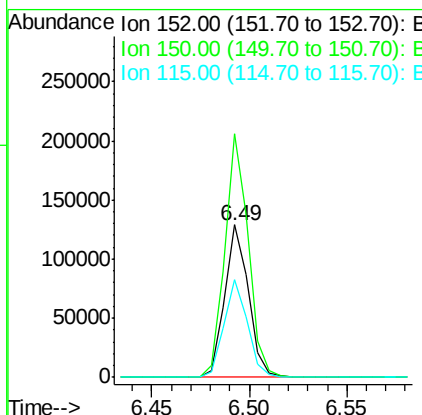
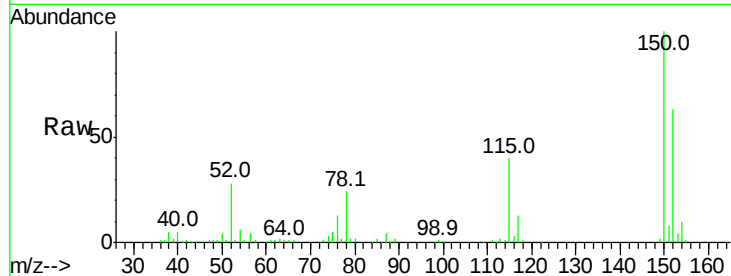


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.49 min Scan# 783  
 Delta R.T. -0.01 min  
 Lab File: BF097083.D  
 Acq: 26 Jul 2017 18:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100971BL

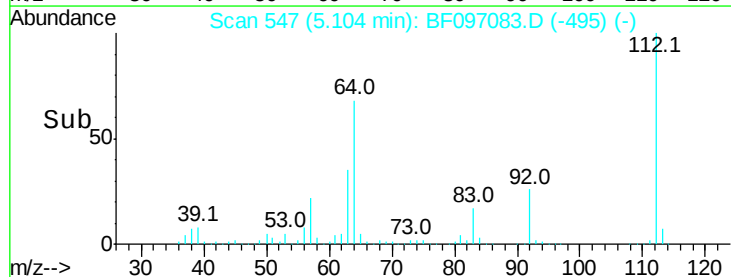
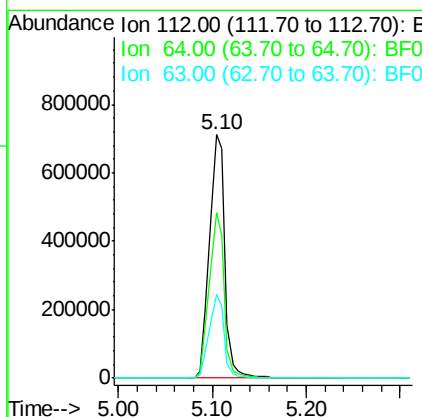
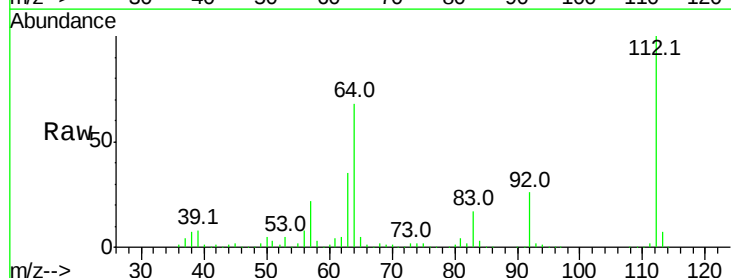
Tot Ion:152 Resp: 108767  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 126.2 189.2  
 115 63.9 52.2 78.2

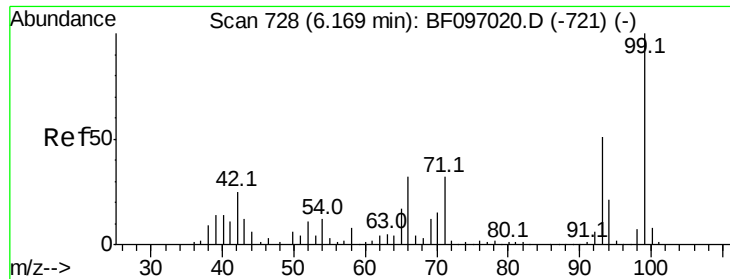


#5

2-Fluorophenol  
 Concen: 115.541 ng  
 RT: 5.10 min Scan# 547  
 Delta R.T. 0.01 min  
 Lab File: BF097083.D  
 Acq: 26 Jul 2017 18:58

Tgt Ion:112 Resp: 833644  
 Ion Ratio Lower Upper  
 112 100  
 64 68.0 46.0 69.0  
 63 34.6 23.4 35.0





#7

Phenol-d6

Concen: 116.025 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097083.D

Acq: 26 Jul 2017 18:58

Instrument :

BNA\_F

ClientSampleId :

PB100971BL

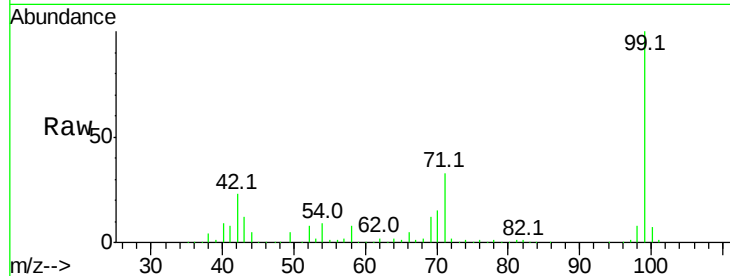
Tot Ion: 99 Resp: 955685

Ion Ratio Lower Upper

99 100

42 23.1 13.5 20.3#

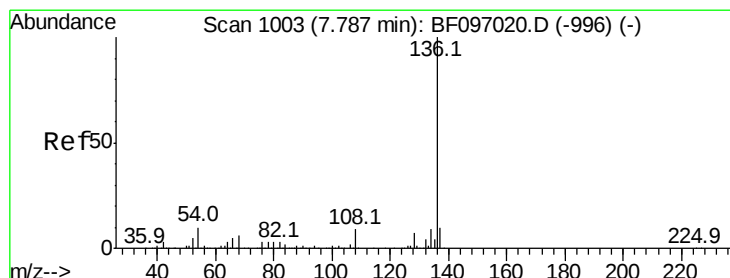
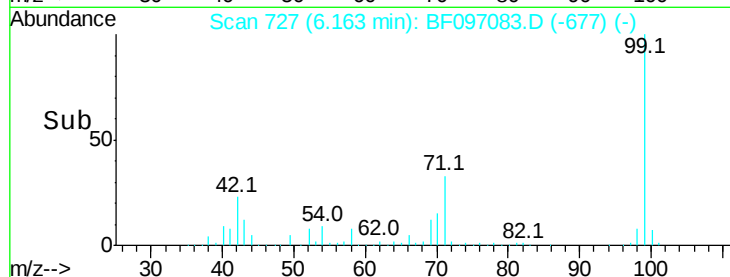
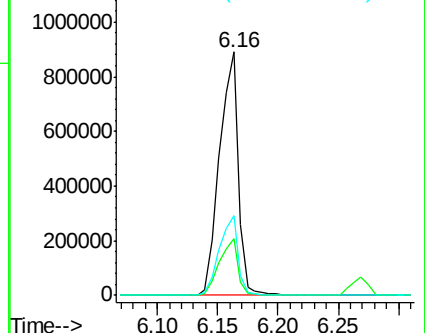
71 32.5 24.5 36.7



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: 20.000 ng

RT: 7.77 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF097083.D

Acq: 26 Jul 2017 18:58

Tgt Ion: 136 Resp: 468339

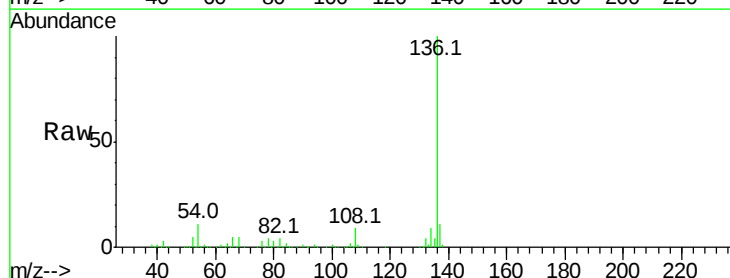
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.1 4.9 7.3#

68 5.1 4.1 6.1

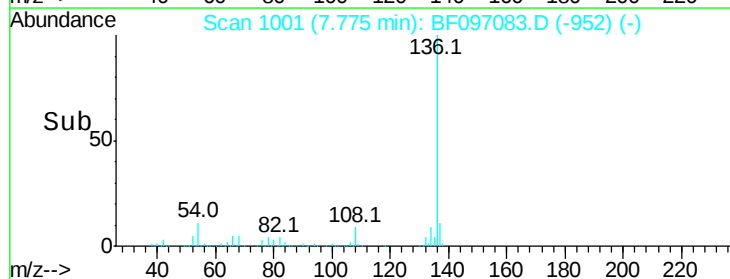
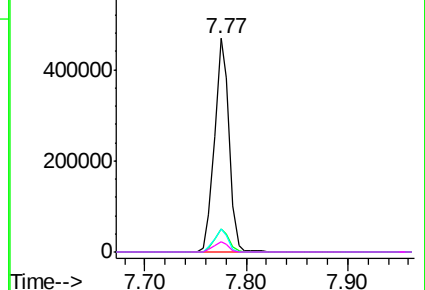


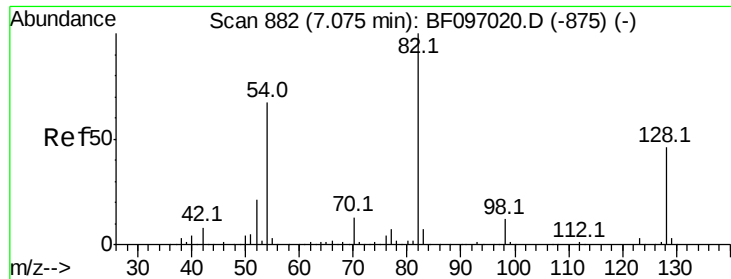
Abundance Ion 136.00 (135.70 to 136.70): E

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

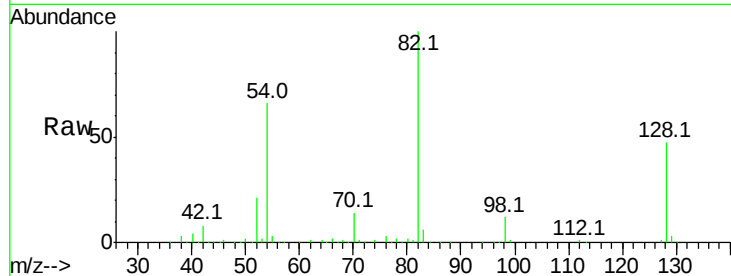




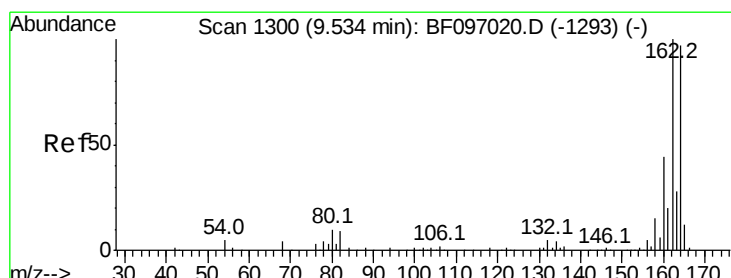
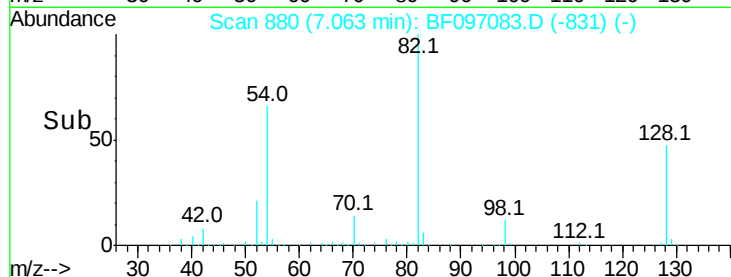
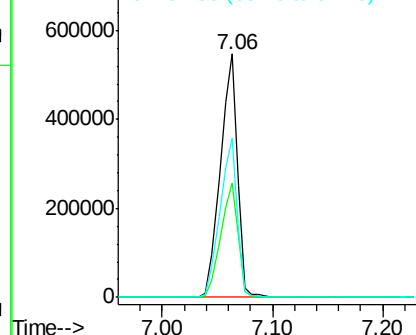
#23  
Nitrobenzene-d5  
Concen: 73.254 ng  
RT: 7.06 min Scan# 880  
Delta R.T. -0.01 min  
Lab File: BF097083.D  
Acq: 26 Jul 2017 18:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB100971BL

Tot Ion: 82 Resp: 584817  
Ion Ratio Lower Upper  
82 100  
128 46.8 34.0 51.0  
54 65.5 42.2 63.2#

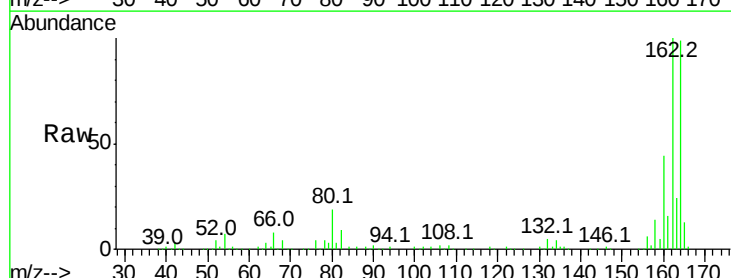


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

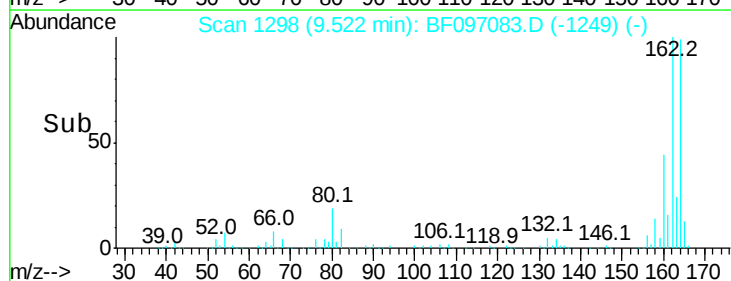
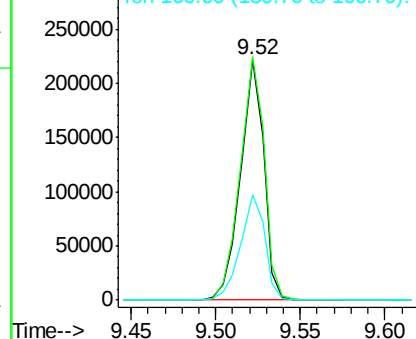


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.52 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF097083.D  
Acq: 26 Jul 2017 18:58

Tgt Ion:164 Resp: 212788  
Ion Ratio Lower Upper  
164 100  
162 101.4 82.6 123.8  
160 44.1 36.2 54.2



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

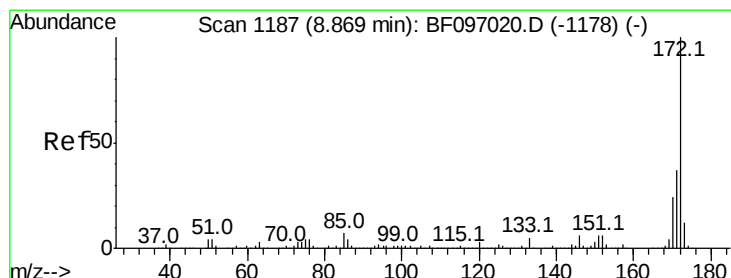
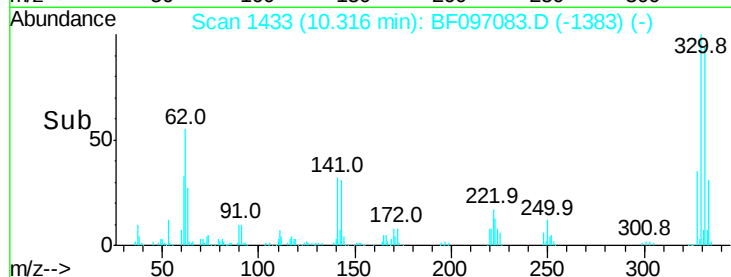
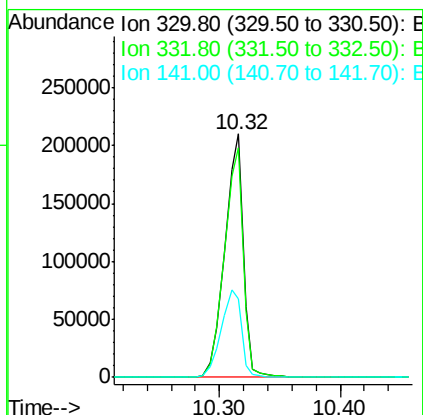
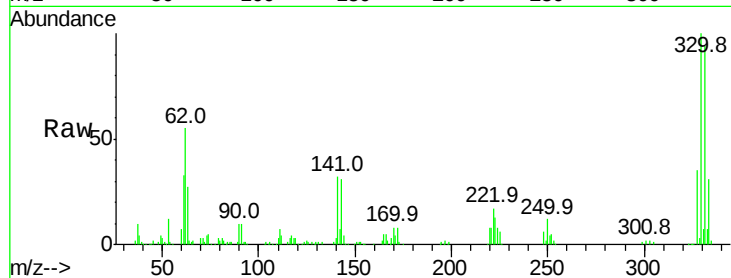




#41  
 2,4,6-Tribromophenol  
 Concen: 132.705 ng  
 RT: 10.32 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BF097083.D  
 Acq: 26 Jul 2017 18:58

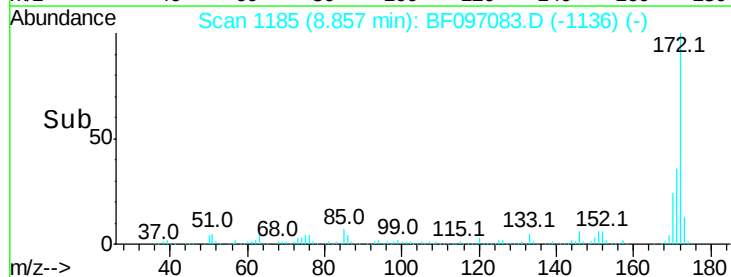
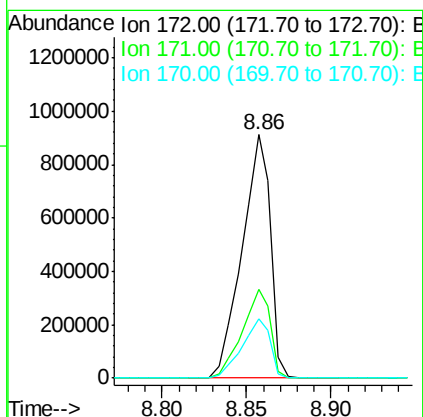
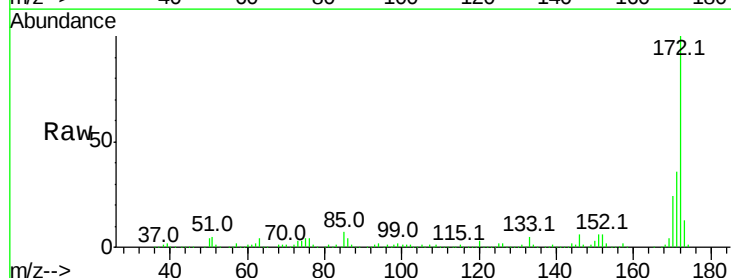
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB100971BL

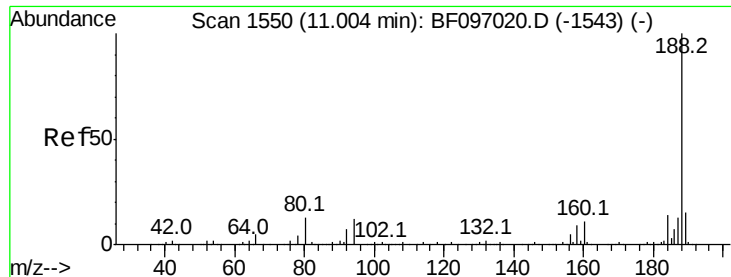
Tot Ion:330 Resp: 223107  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.6 115.0  
 141 39.2 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 85.426 ng  
 RT: 8.86 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF097083.D  
 Acq: 26 Jul 2017 18:58

Tgt Ion:172 Resp: 1071105  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.2 19.8 29.8

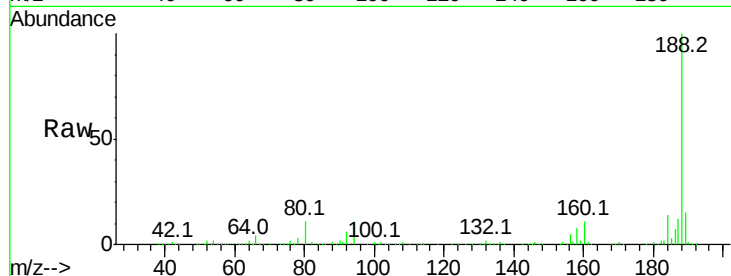




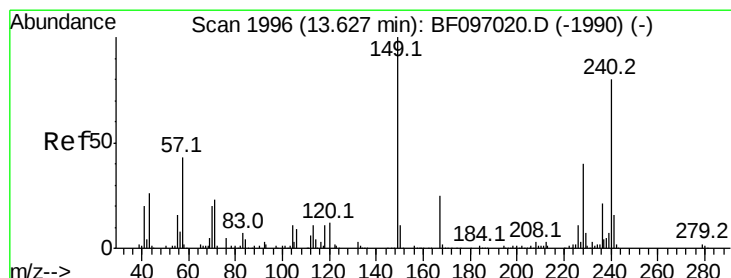
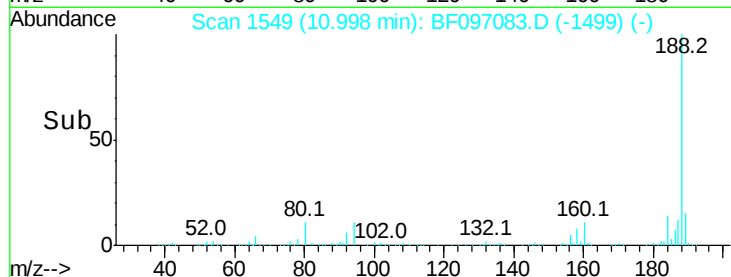
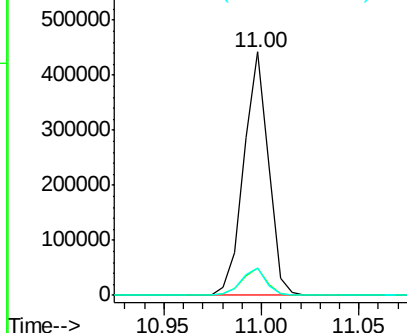
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.00 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF097083.D  
Acq: 26 Jul 2017 18:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB100971BL

Tot Ion:188 Resp: 387018  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.2  
80 11.2 10.2 15.2

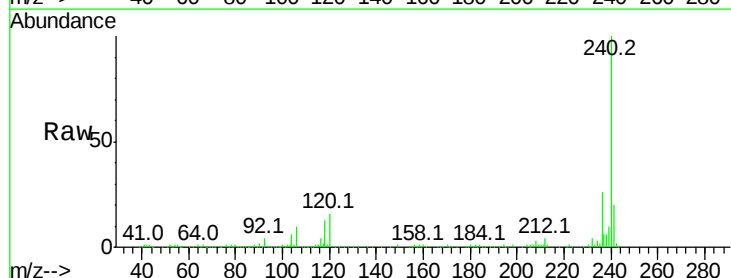


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

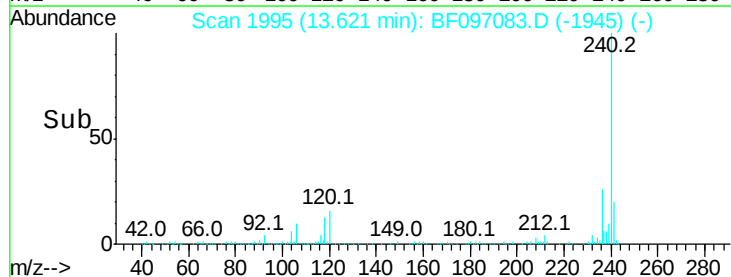
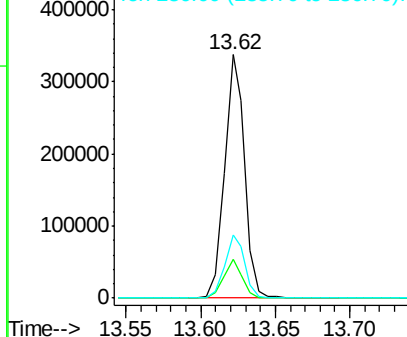


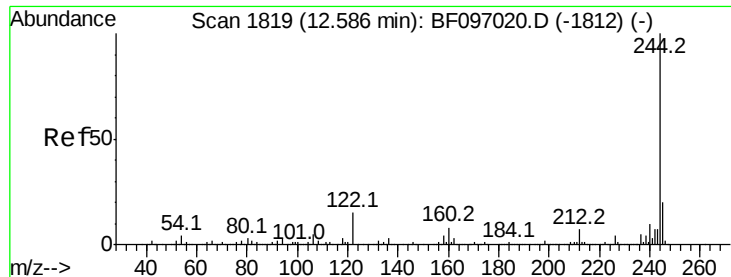
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.62 min Scan# 1995  
Delta R.T. -0.01 min  
Lab File: BF097083.D  
Acq: 26 Jul 2017 18:58

Tgt Ion:240 Resp: 319345  
Ion Ratio Lower Upper  
240 100  
120 15.8 5.8 8.8#  
236 26.0 20.5 30.7



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: 60.894 ng

RT: 12.59 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF097083.D

Acq: 26 Jul 2017 18:58

Instrument :

BNA\_F

ClientSampleId :

PB100971BL

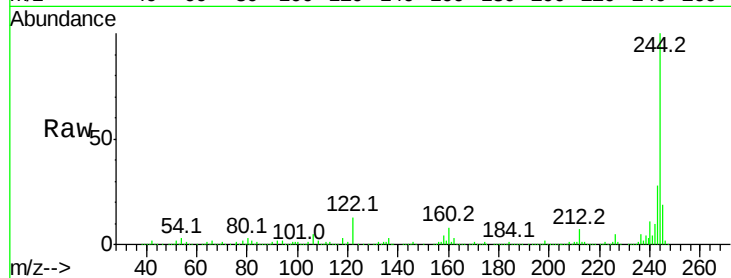
Tot Ion:244 Resp: 953774

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

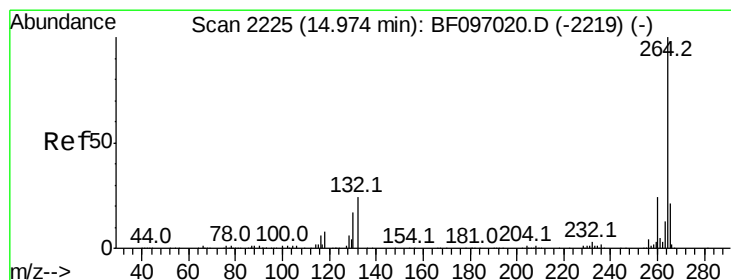
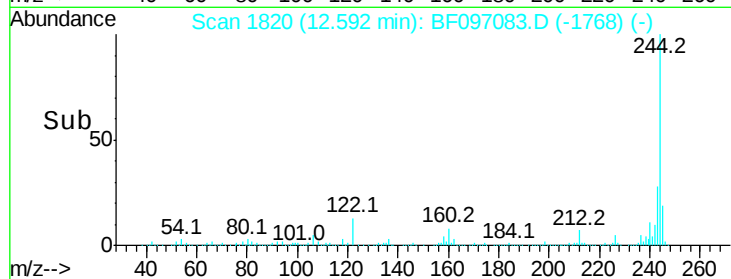
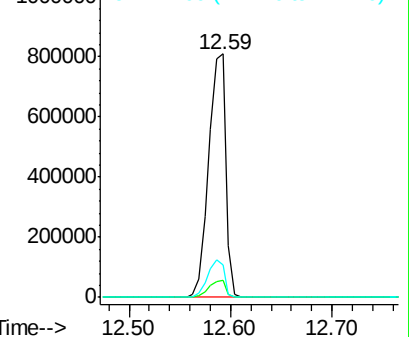
122 13.3 10.3 15.5



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: 20.000 ng

RT: 14.97 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF097083.D

Acq: 26 Jul 2017 18:58

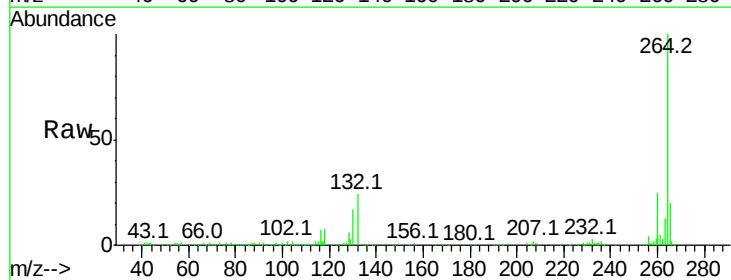
Tgt Ion:264 Resp: 222235

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 20.5 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

