

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\  
 Data File : BF097047.D  
 Acq On : 25 Jul 2017 23:39  
 Operator : SJ/JU  
 Sample : I4359-19  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 26 01:07:48 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

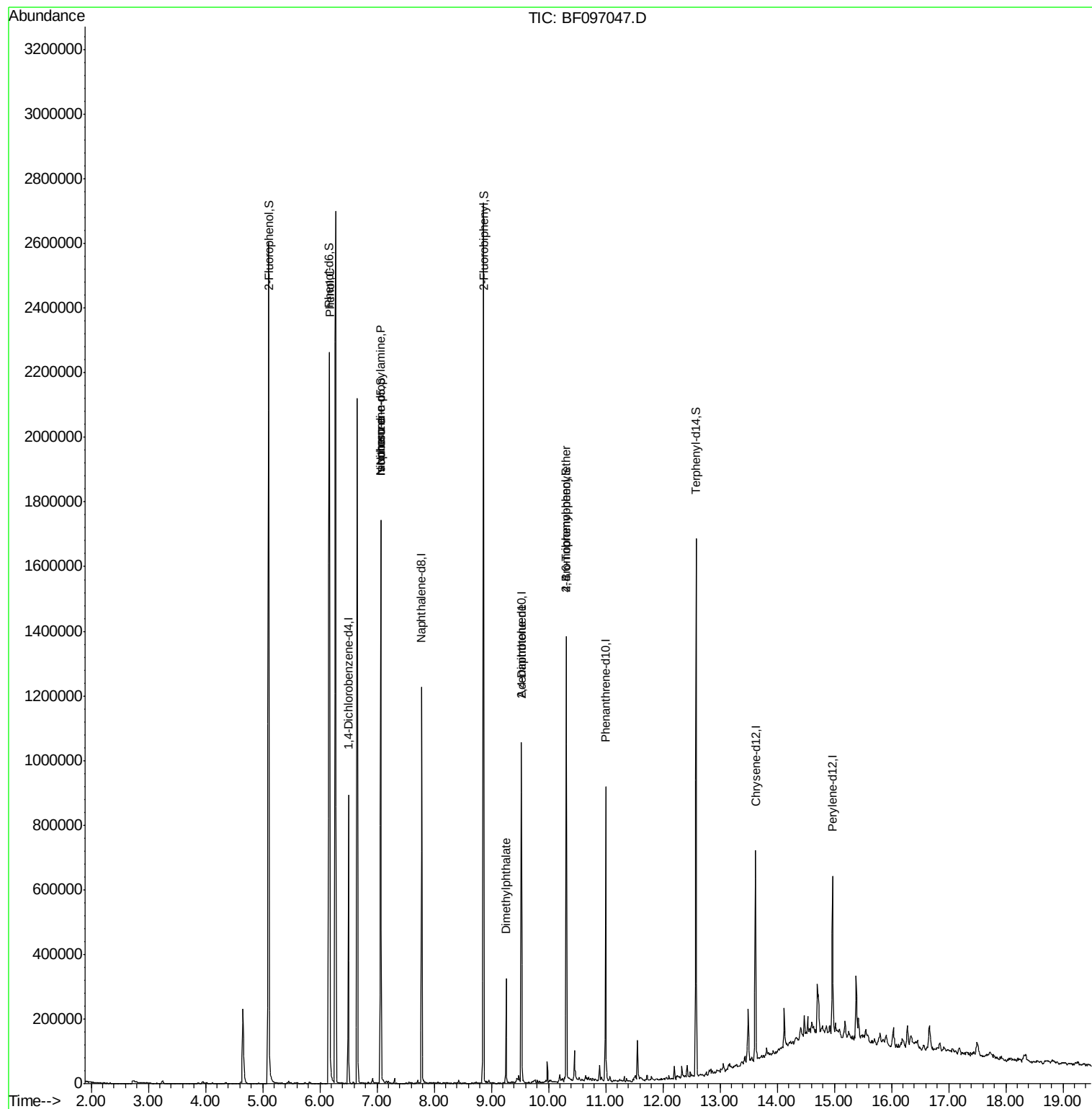
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.50  | 152  | 126719   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.78  | 136  | 504597   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.53  | 164  | 206411   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.00 | 188  | 299835   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.62 | 240  | 215933   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 14.97 | 264  | 193250   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.10  | 112  | 753263   | 89.61 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.17  | 99   | 917866   | 95.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.07  | 82   | 545930   | 63.47 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.31 | 330  | 149066   | 91.40 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.86  | 172  | 892144   | 73.35 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.58 | 244  | 532036   | 50.24 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 10) Phenol                     | 6.17  | 94   | 28232    | 2.48  | ng    | 89       |
| 19) n-Nitroso-di-n-propylamine | 7.07  | 70   | 73637    | 11.66 | ng    | # 86     |
| 25) Isophorone                 | 7.07  | 82   | 540266   | 32.07 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.26  | 163  | 114144   | 7.28  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 9.53  | 165  | 25868    | 6.77  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.31 | 248  | 10252    | 3.43  | ng    | # 1      |

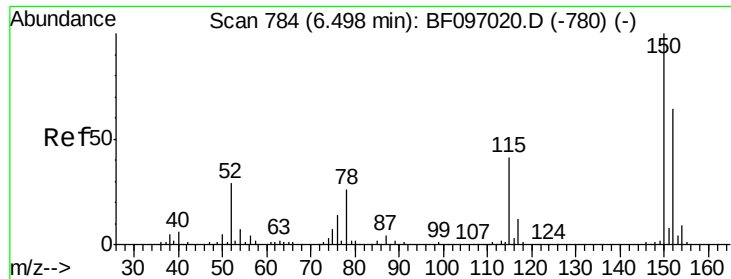
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\  
Data File : BF097047.D  
Acq On : 25 Jul 2017 23:39  
Operator : SJ/JU  
Sample : I4359-19  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jul 26 01:07:48 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



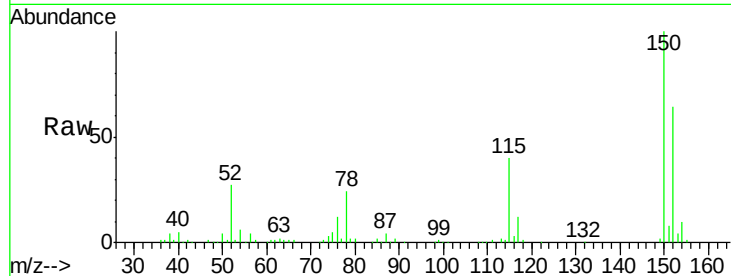


#1

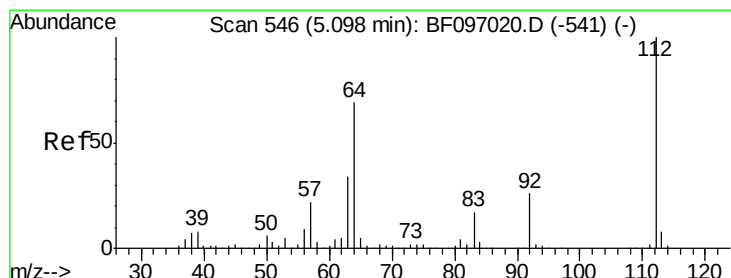
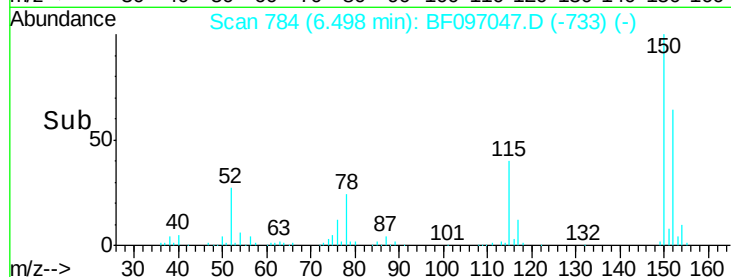
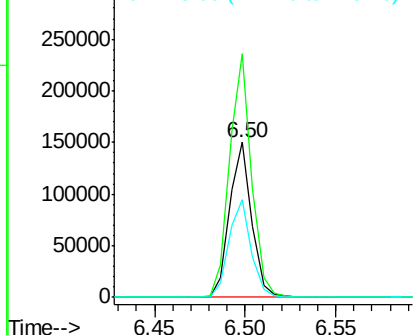
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.50 min Scan# 784  
Delta R.T. -0.00 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 126719  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.2 189.2  
115 63.3 52.2 78.2



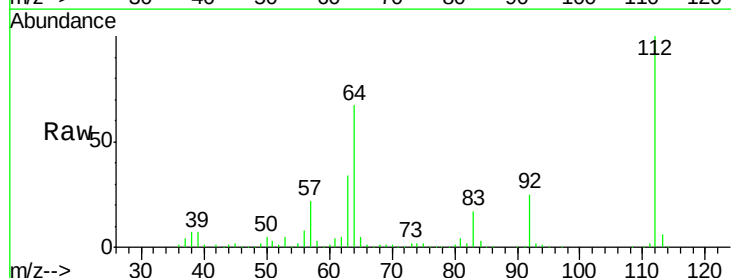
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



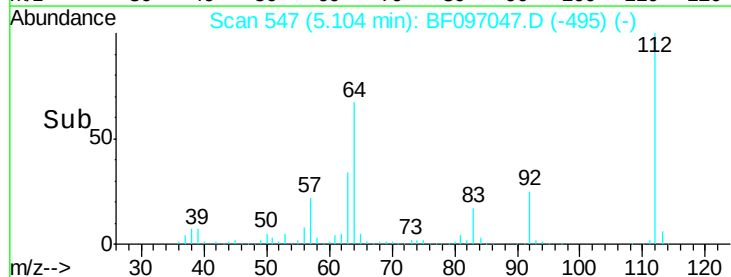
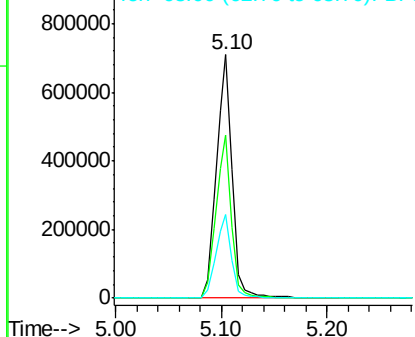
#5

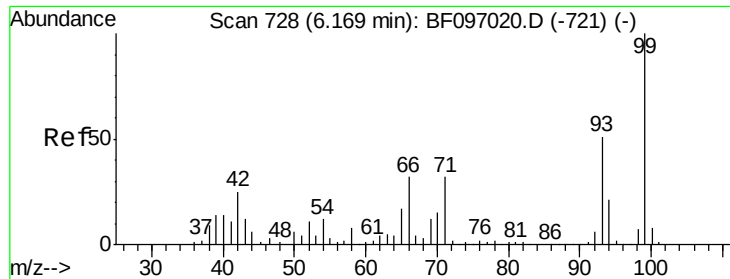
2-Fluorophenol  
Concen: 89.61 ng  
RT: 5.10 min Scan# 547  
Delta R.T. 0.01 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

Tgt Ion:112 Resp: 753263  
Ion Ratio Lower Upper  
112 100  
64 66.9 46.0 69.0  
63 34.1 23.4 35.0



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: 95.65 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

Instrument :

BNA\_F

ClientSampled :

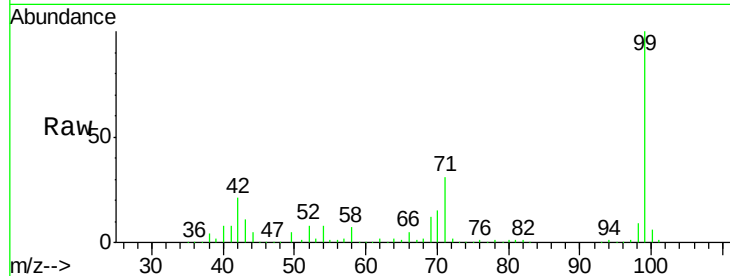
Tot Ion: 99 Resp: 917866

Ion Ratio Lower Upper

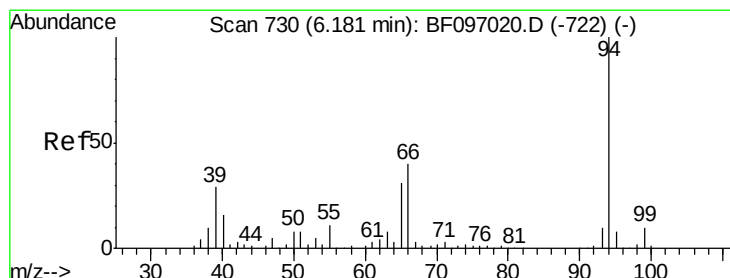
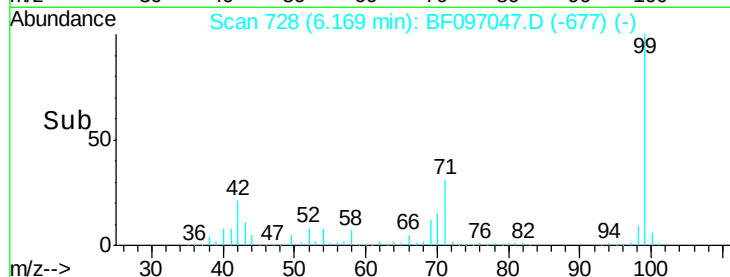
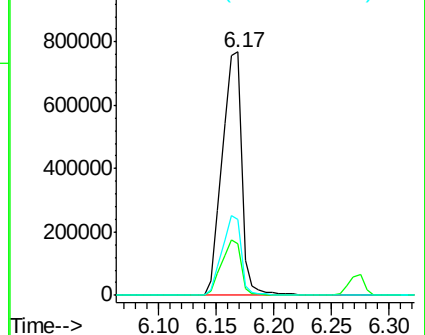
99 100

42 20.9 13.5 20.3#

71 31.0 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



#10

Phenol

Concen: 2.48 ng

RT: 6.17 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

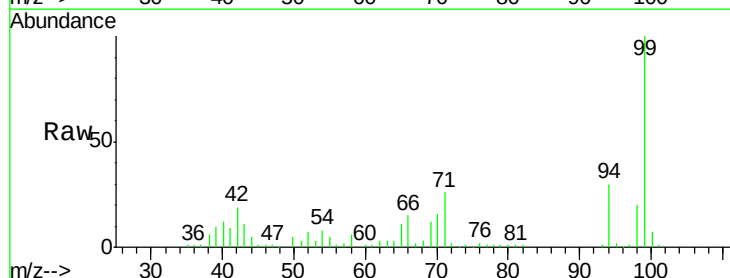
Tgt Ion: 94 Resp: 28232

Ion Ratio Lower Upper

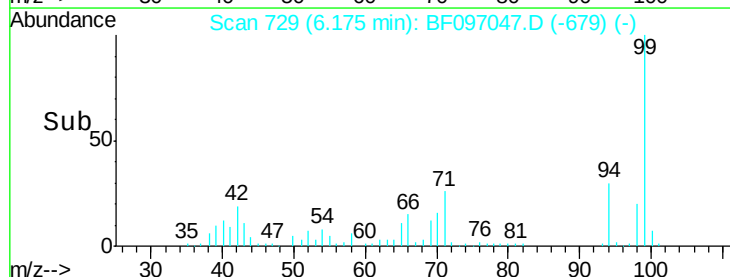
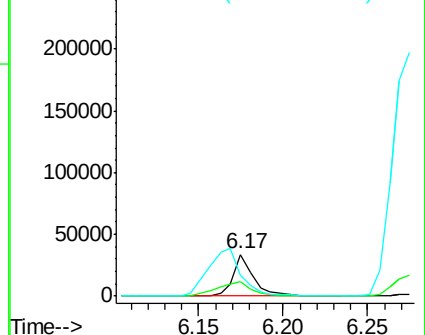
94 100

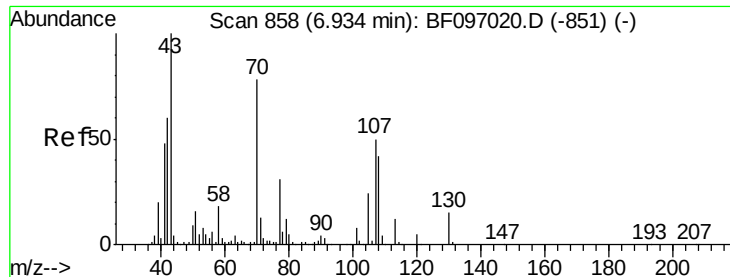
65 35.1 9.9 49.9

66 50.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0

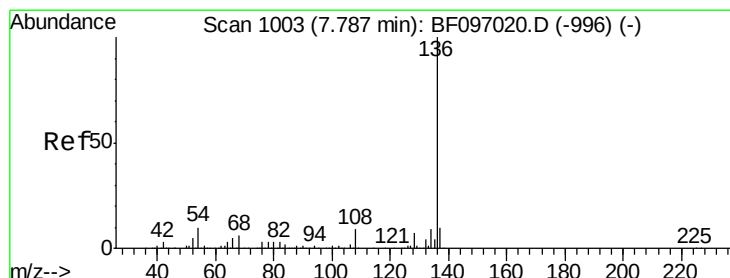
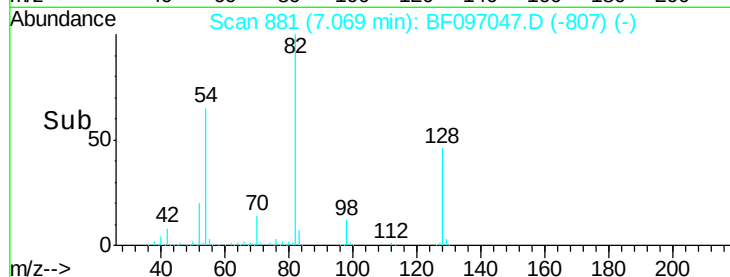
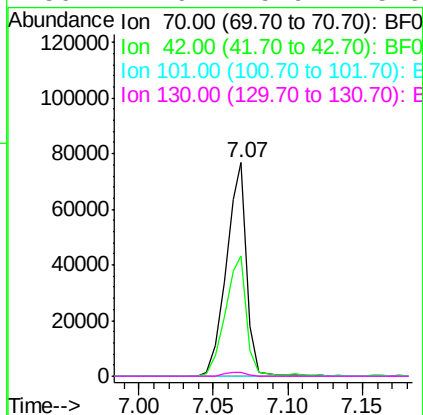
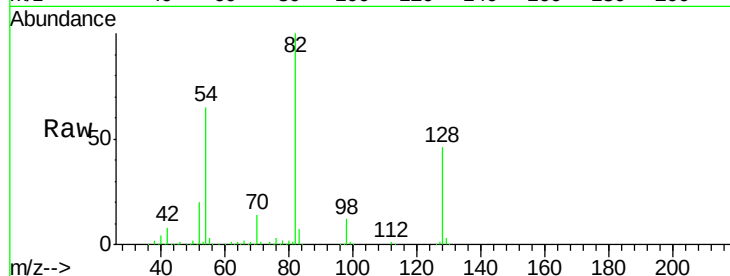




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.66 ng  
RT: 7.07 min Scan# 881  
Delta R.T. 0.14 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

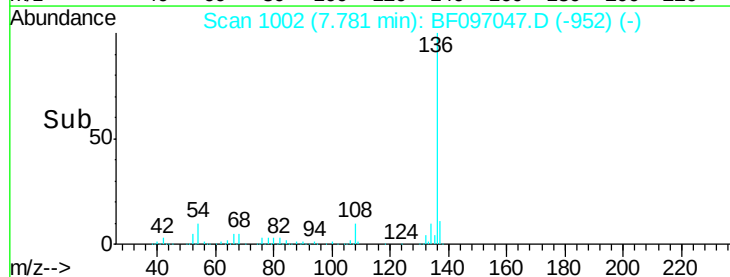
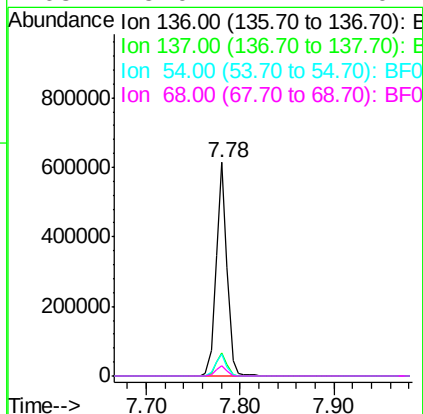
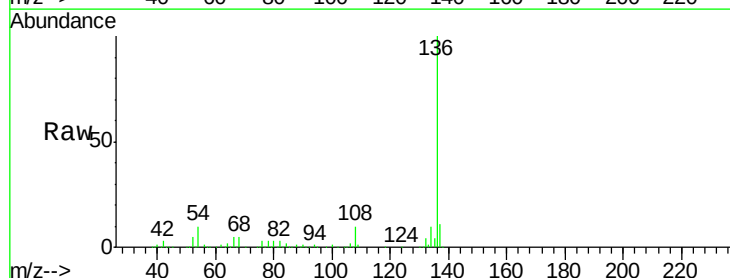
Instrument :  
BNA\_F  
ClientSampleId :

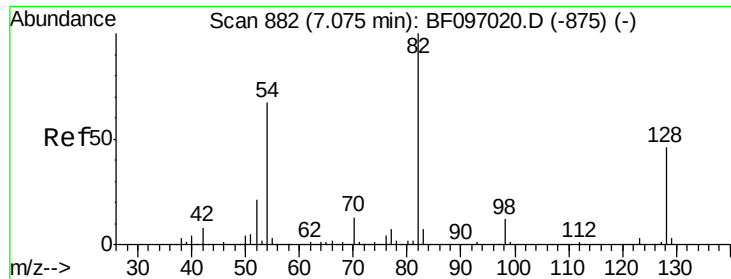
Tot Ion: 70 Resp: 73637  
Ion Ratio Lower Upper  
70 100  
42 56.6 47.2 70.8  
101 0.0 7.2 10.8#  
130 1.9 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.78 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

Tgt Ion:136 Resp: 504597  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.5 12.7  
54 10.4 4.9 7.3#  
68 5.0 4.1 6.1

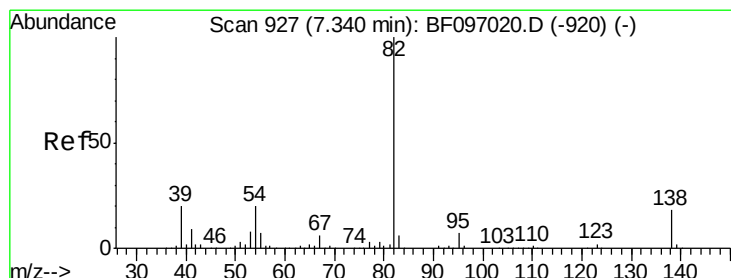
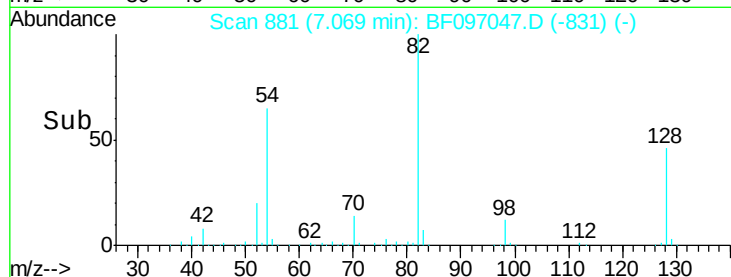
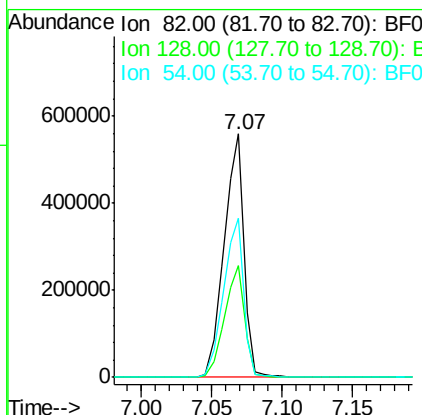
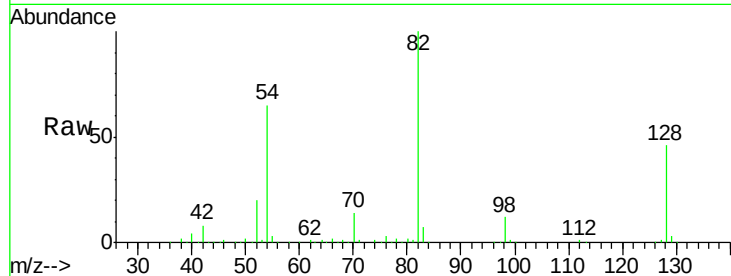




#23  
 Nitrobenzene-d5  
 Concen: 63.47 ng  
 RT: 7.07 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

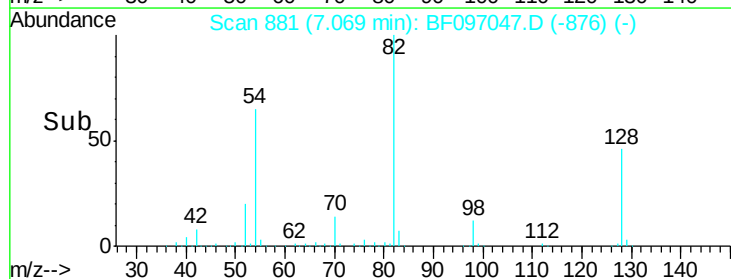
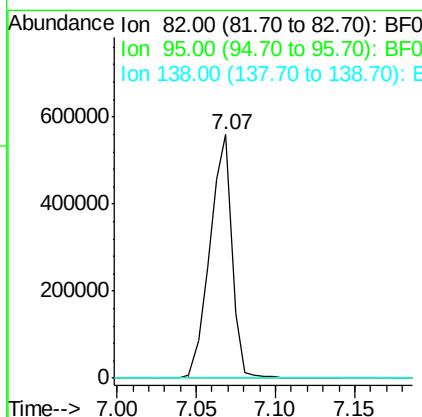
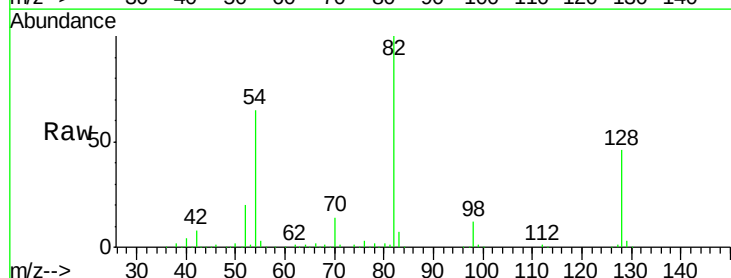
Instrument :  
 BNA\_F  
 ClientSampleId :

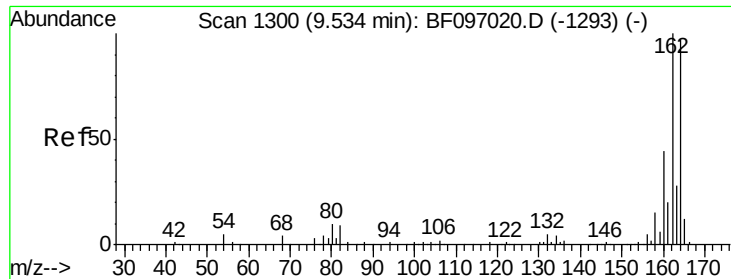
Tot Ion: 82 Resp: 545930  
 Ion Ratio Lower Upper  
 82 100  
 128 46.1 34.0 51.0  
 54 65.4 42.2 63.2#



#25  
 Isophorone  
 Concen: 32.07 ng  
 RT: 7.07 min Scan# 881  
 Delta R.T. -0.27 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

Tgt Ion: 82 Resp: 540266  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

Instrument :

BNA\_F

ClientSampleId :

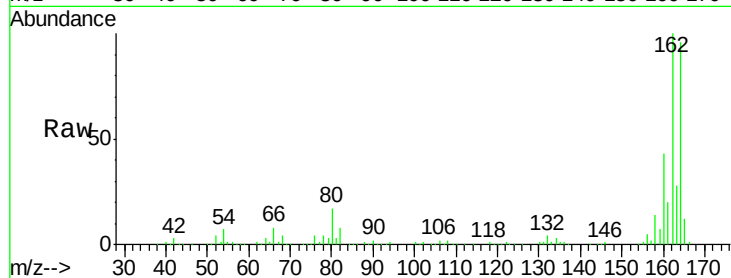
Tot Ion:164 Resp: 206411

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

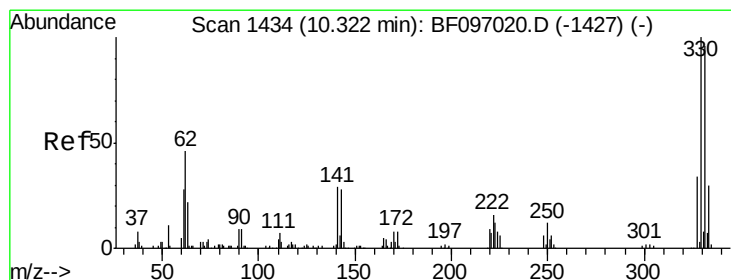
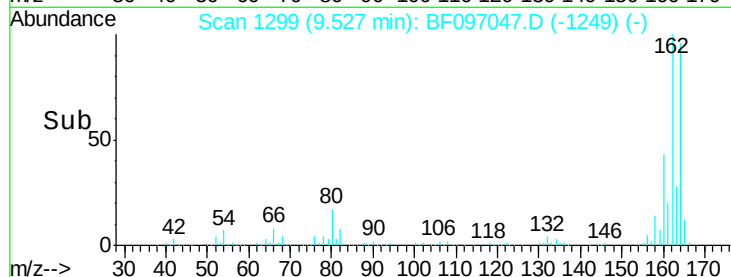
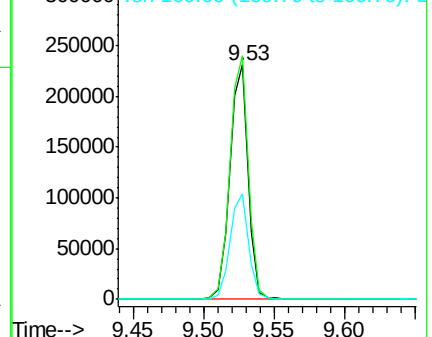
160 45.1 36.2 54.2



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: 91.40 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

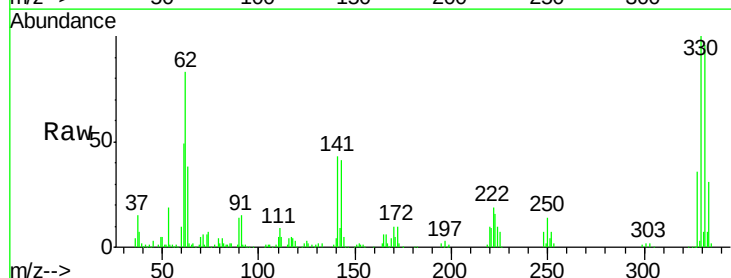
Tgt Ion:330 Resp: 149066

Ion Ratio Lower Upper

330 100

332 97.9 76.6 115.0

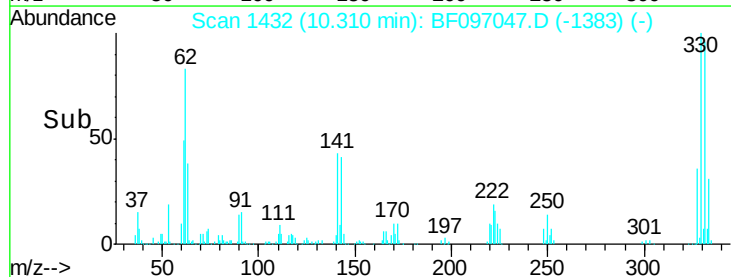
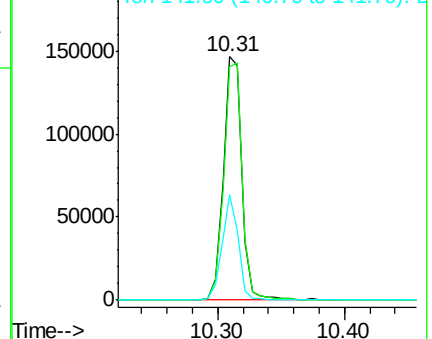
141 39.1 31.4 47.2

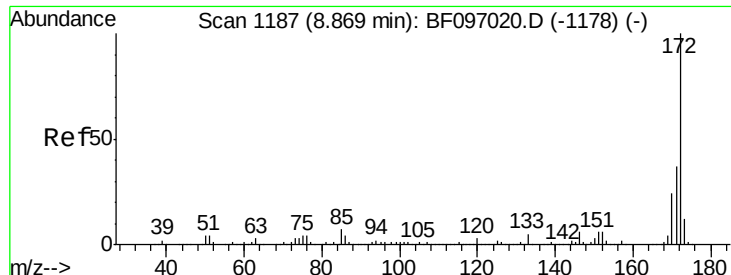


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

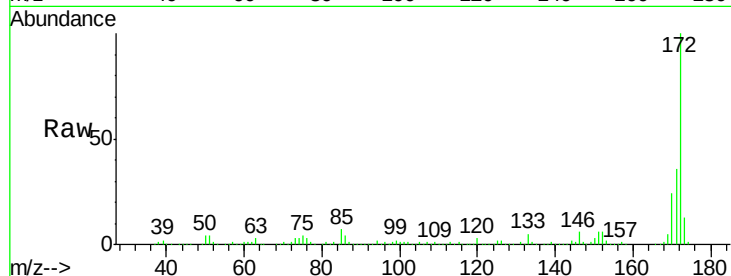




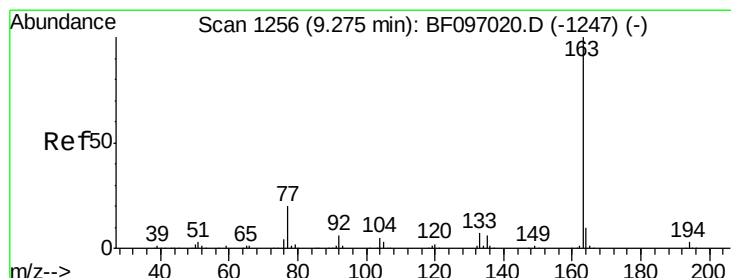
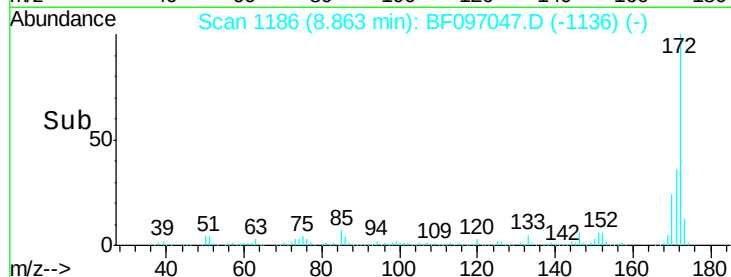
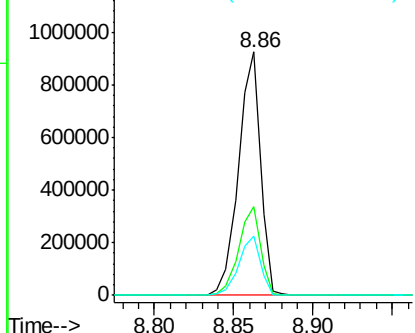
#44  
2-Fluorobiphenyl  
Concen: 73.35 ng  
RT: 8.86 min Scan# 1186  
Delta R.T. -0.01 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 892144  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.6 44.4  
170 24.5 19.8 29.8

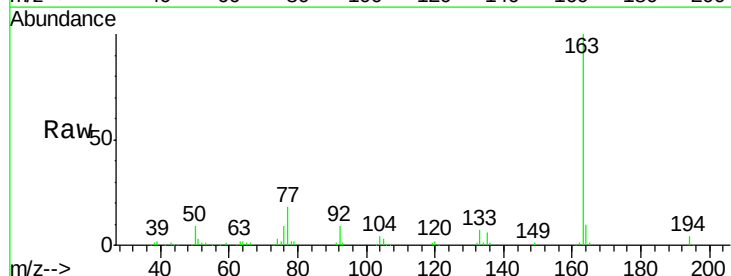


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

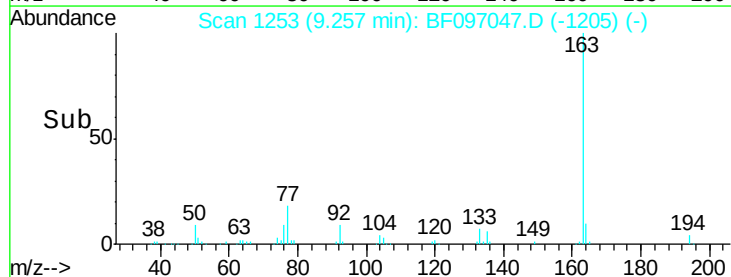
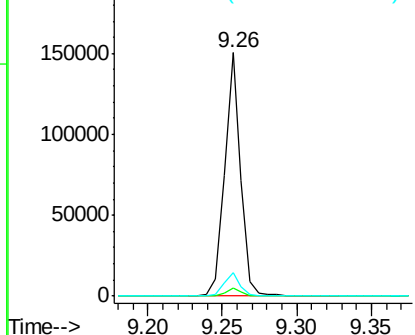


#49  
Dimethylphthalate  
Concen: 7.28 ng  
RT: 9.26 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF097047.D  
Acq: 25 Jul 2017 23:39

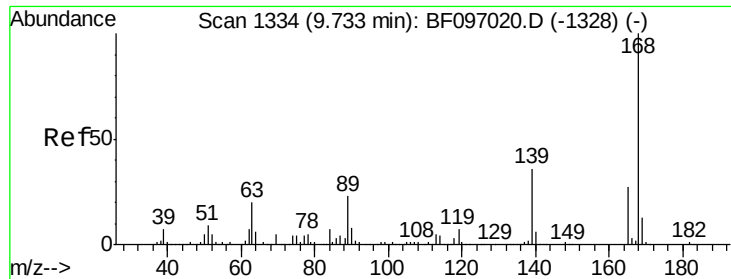
Tgt Ion:163 Resp: 114144  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.6 4.0  
164 9.5 8.4 12.6



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







#56

2,4-Dinitrotoluene

Concen: 6.77 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.21 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 25868

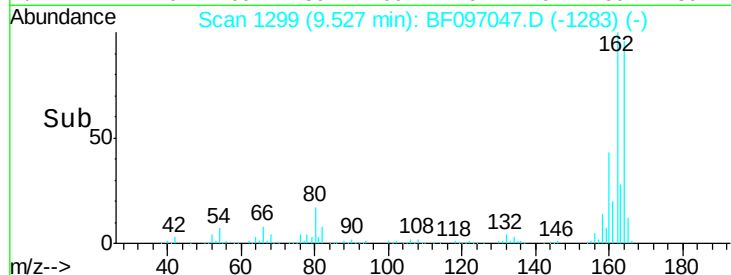
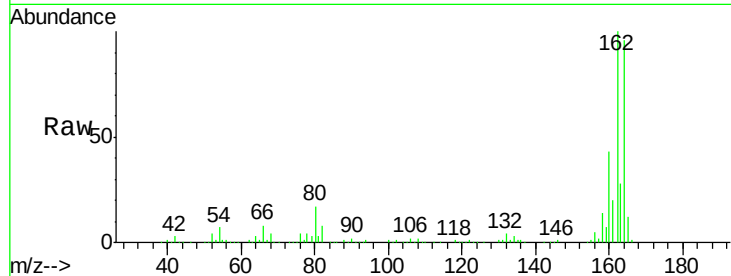
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

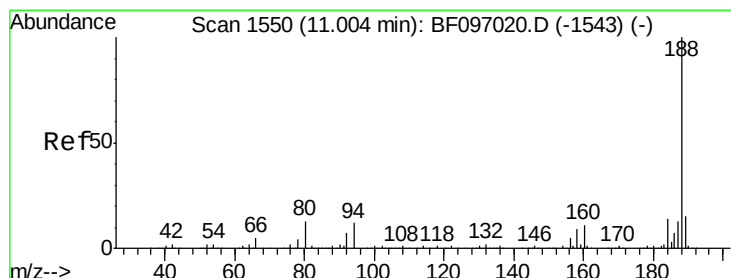
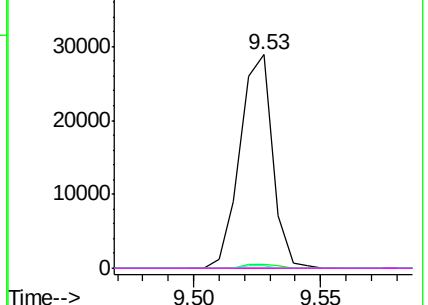


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097047.D

Acq: 25 Jul 2017 23:39

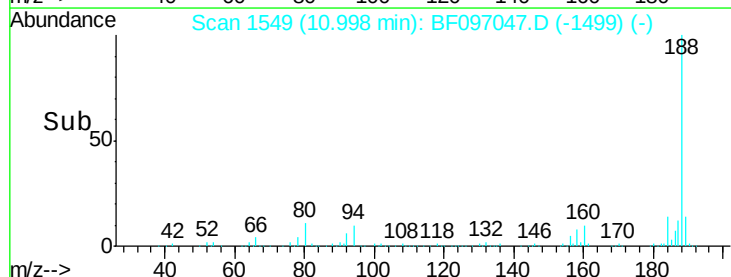
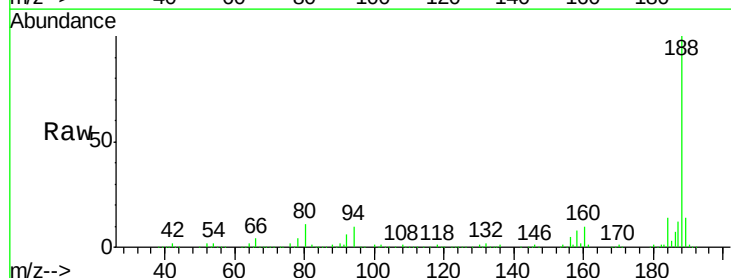
Tgt Ion:188 Resp: 299835

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

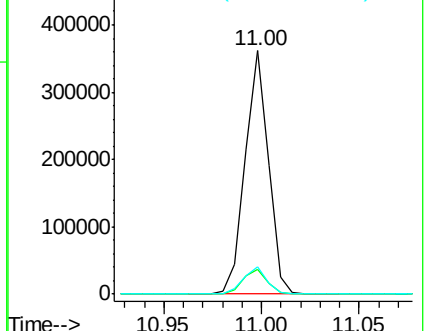
80 11.0 10.2 15.2

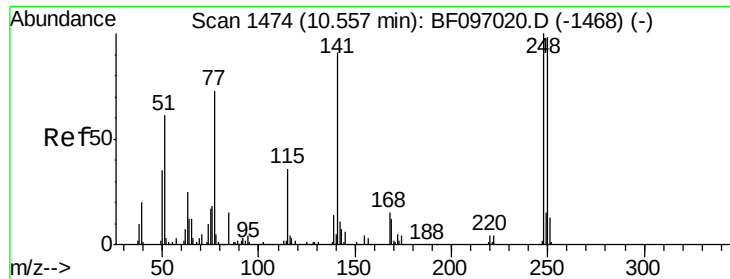


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

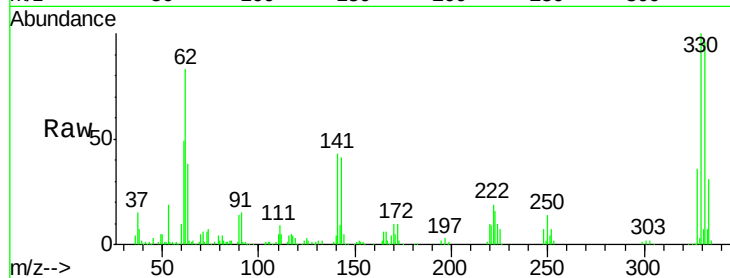




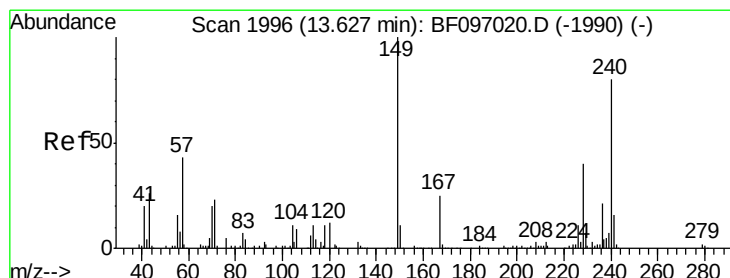
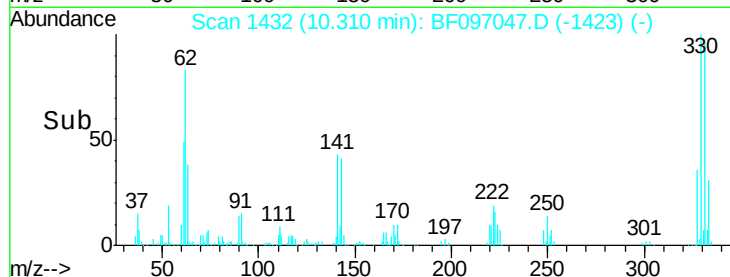
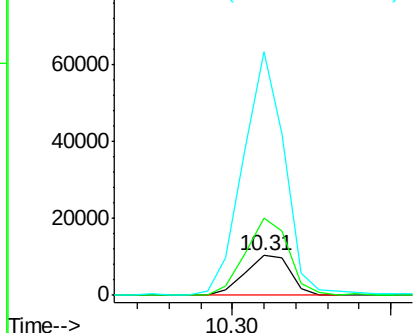
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.43 ng  
 RT: 10.31 min Scan# 1432  
 Delta R.T. -0.25 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:248 Resp: 10252  
 Ion Ratio Lower Upper  
 248 100  
 250 195.5 76.8 115.2#  
 141 615.7 68.6 103.0#

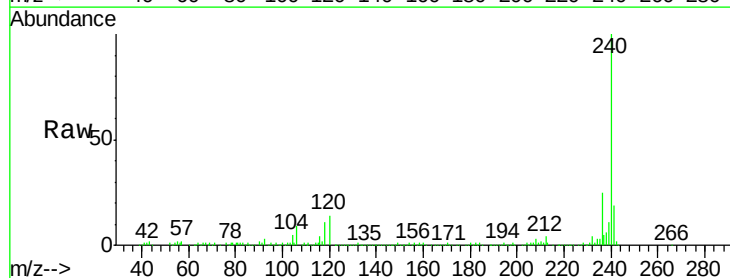


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

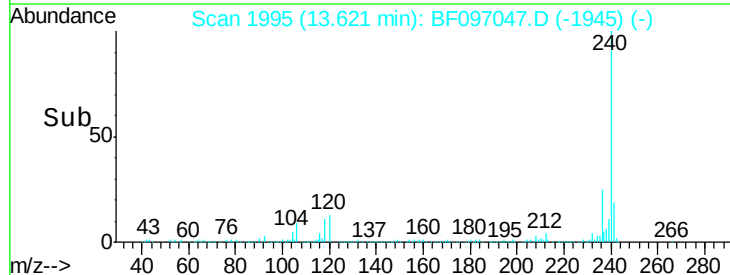
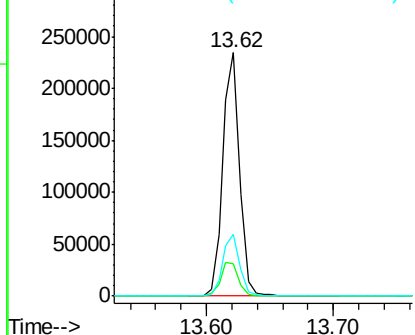


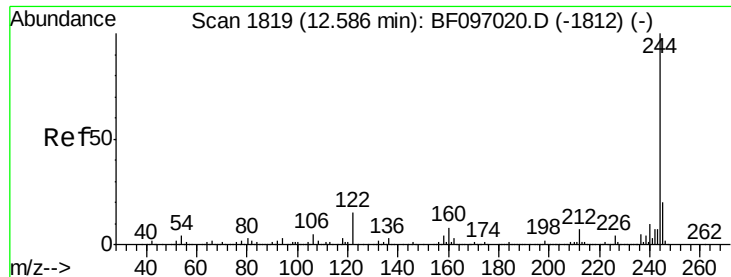
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.62 min Scan# 1995  
 Delta R.T. -0.01 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

Tgt Ion:240 Resp: 215933  
 Ion Ratio Lower Upper  
 240 100  
 120 13.5 5.8 8.8#  
 236 25.3 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

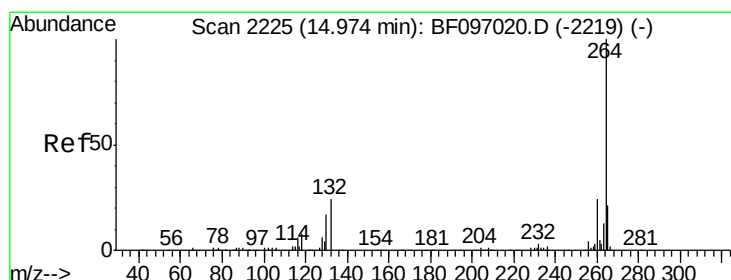
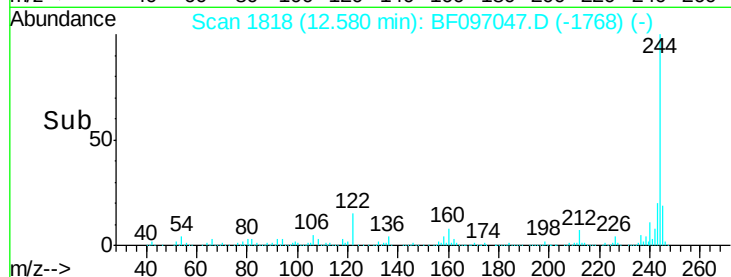
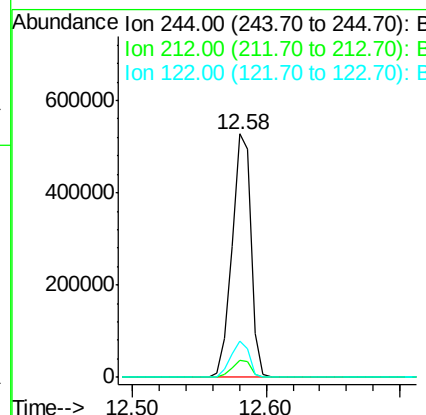
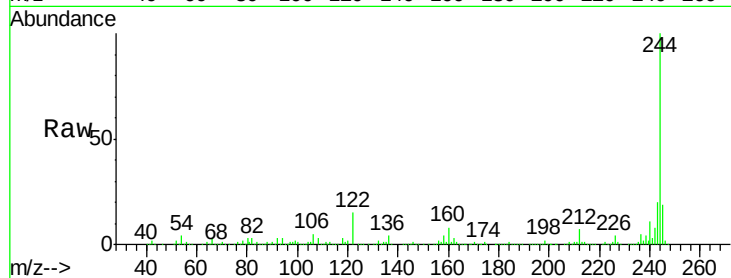




#78  
 Terphenyl-d14  
 Concen: 50.24 ng  
 RT: 12.58 min Scan# 1818  
 Delta R.T. -0.01 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 532036  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 15.0 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 14.97 min Scan# 2224  
 Delta R.T. -0.01 min  
 Lab File: BF097047.D  
 Acq: 25 Jul 2017 23:39

Tgt Ion:264 Resp: 193250  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.5 29.3  
 265 20.5 17.2 25.8

