

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\  
 Data File : BF097313.D  
 Acq On : 3 Aug 2017 11:31  
 Operator : SJ/JU  
 Sample : I4527-01  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 03 13:21:59 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 03 12:06:13 2017  
 Response via : Initial Calibration

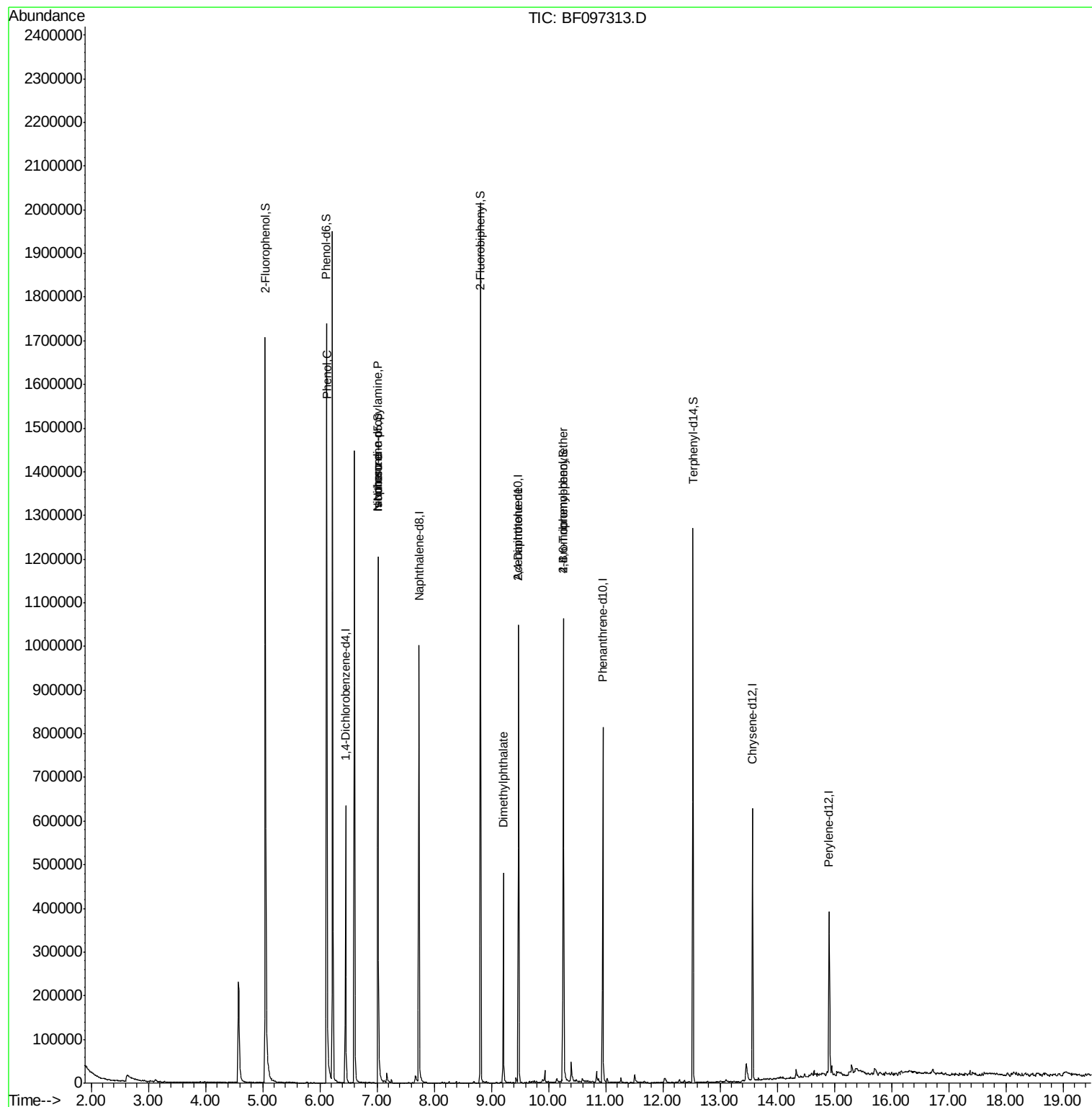
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.45  | 152  | 99732    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.73  | 136  | 436053   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.47  | 164  | 188756   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 10.95 | 188  | 286027   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.57 | 240  | 207203   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 14.91 | 264  | 148951   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.05  | 112  | 563766   | 85.22  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.12  | 99   | 608908   | 80.62  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.02  | 82   | 395129   | 53.16  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.26 | 330  | 113766   | 76.28  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 8.81  | 172  | 570130   | 51.26  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.53 | 244  | 392930   | 38.66  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.13  | 94   | 25554    | 2.852  | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 7.02  | 70   | 52375    | 10.535 | ng    | # 87     |
| 25) Isophorone                 | 7.02  | 82   | 395126   | 27.144 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.21  | 163  | 174784   | 12.194 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.47  | 165  | 23696    | 6.780  | ng    | # 32     |
| 66) 4-Bromophenyl-phenylether  | 10.26 | 248  | 7164     | 2.510  | ng    | # 1      |

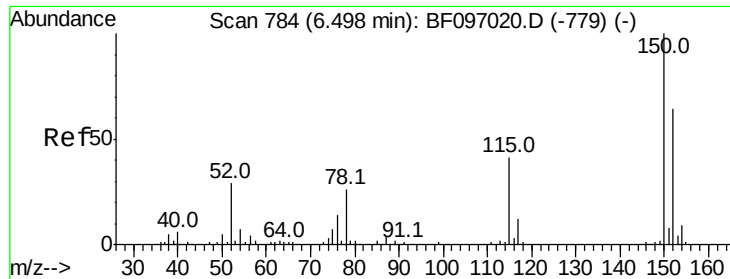
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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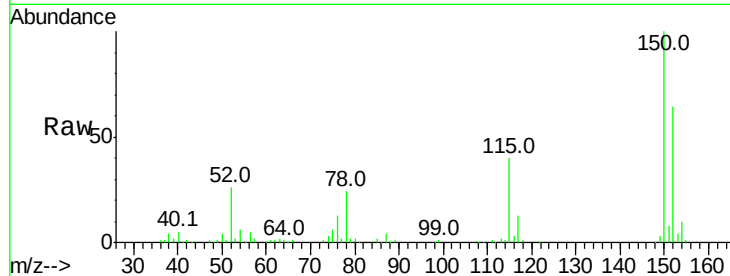


#1

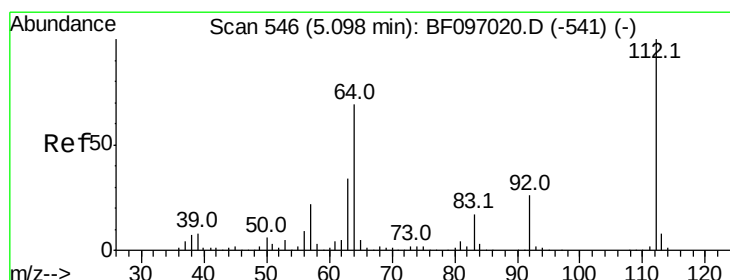
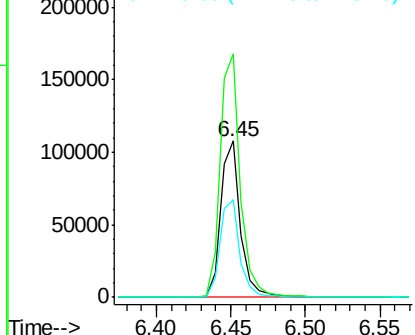
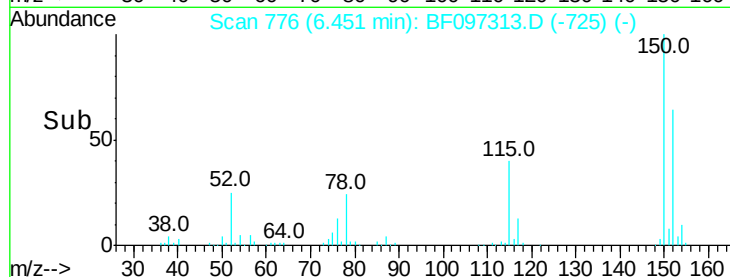
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.45 min Scan# 776  
Delta R.T. 0.00 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 99732  
Ion Ratio Lower Upper  
152 100  
150 156.1 126.2 189.2  
115 62.3 52.2 78.2



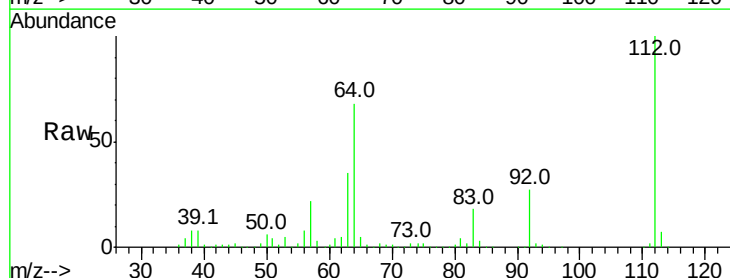
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



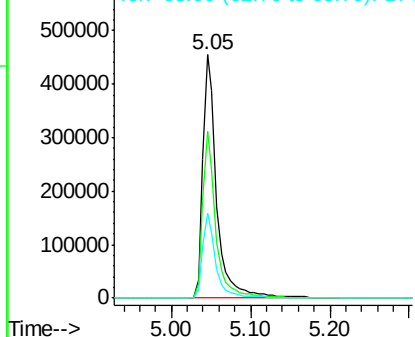
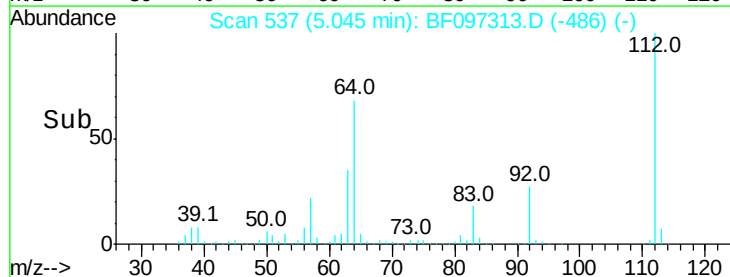
#5

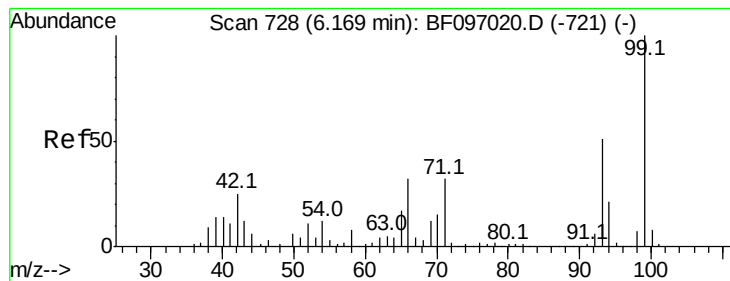
2-Fluorophenol  
Concen: 85.215 ng  
RT: 5.05 min Scan# 537  
Delta R.T. 0.00 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

Tgt Ion:112 Resp: 563766  
Ion Ratio Lower Upper  
112 100  
64 68.3 46.0 69.0  
63 34.9 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: 80.621 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF097313.D

Acq: 3 Aug 2017 11:31

Instrument :

BNA\_F

ClientSampled :

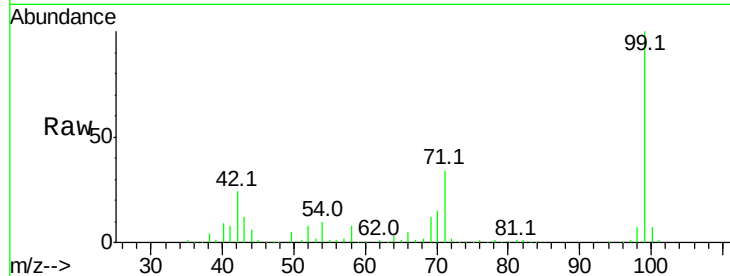
Tot Ion: 99 Resp: 608908

Ion Ratio Lower Upper

99 100

42 24.2 13.5 20.3#

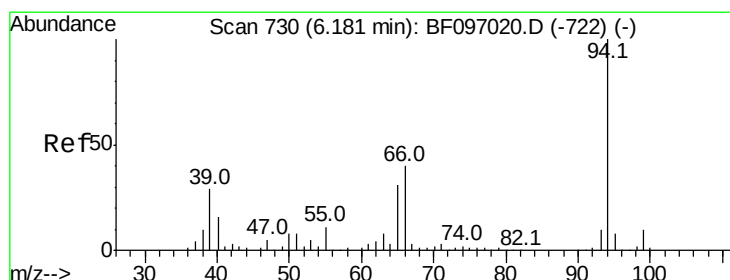
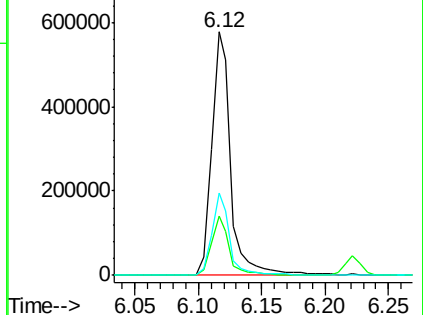
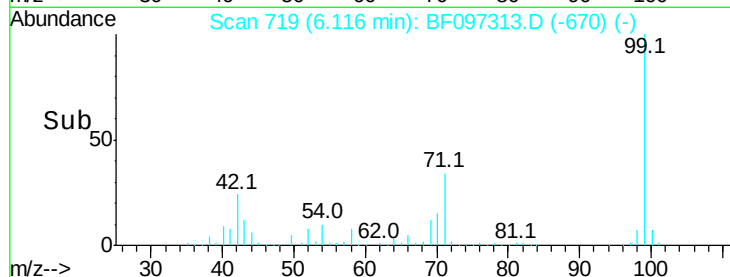
71 33.6 24.5 36.7



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: 2.852 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF097313.D

Acq: 3 Aug 2017 11:31

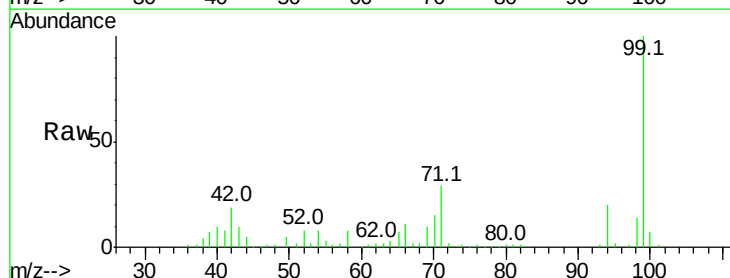
Tgt Ion: 94 Resp: 25554

Ion Ratio Lower Upper

94 100

65 34.8 9.9 49.9

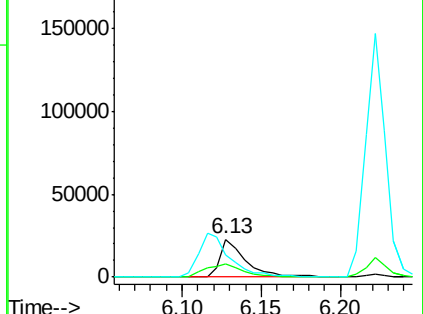
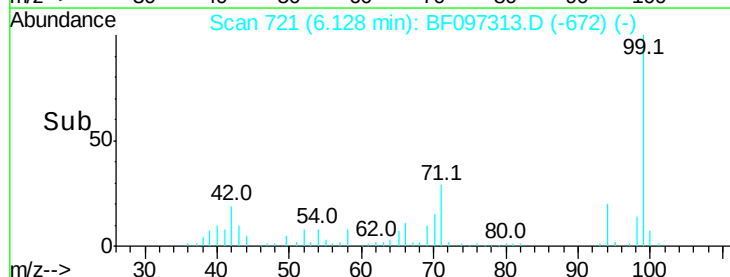
66 57.3 23.1 63.1

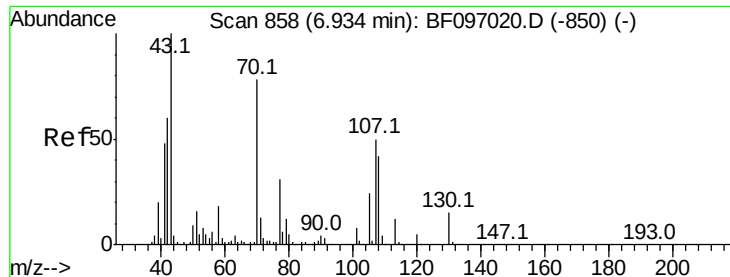


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

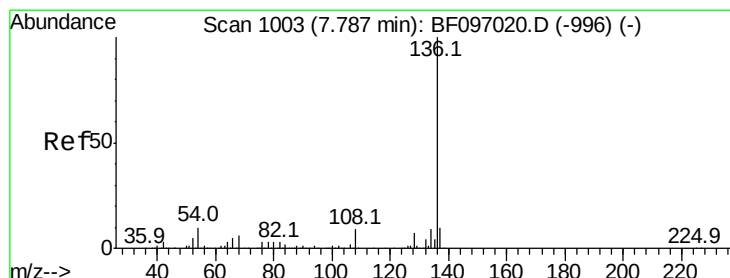
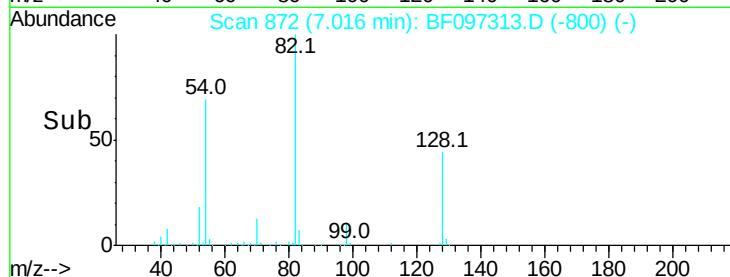
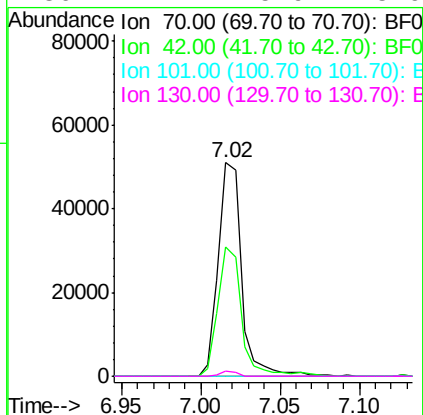
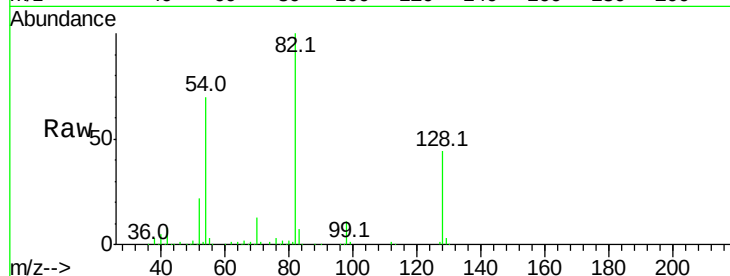




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.535 ng  
RT: 7.02 min Scan# 872  
Delta R.T. 0.12 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

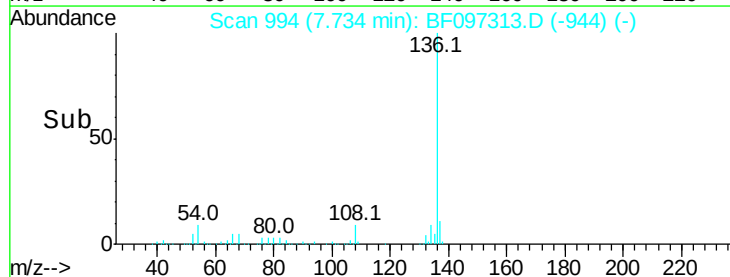
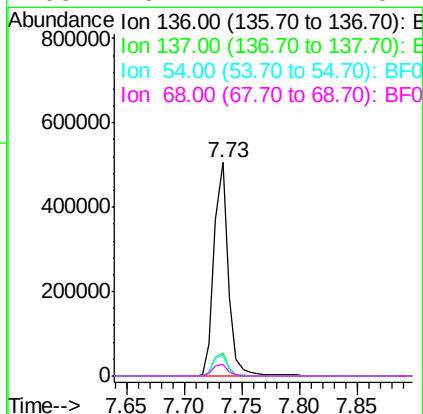
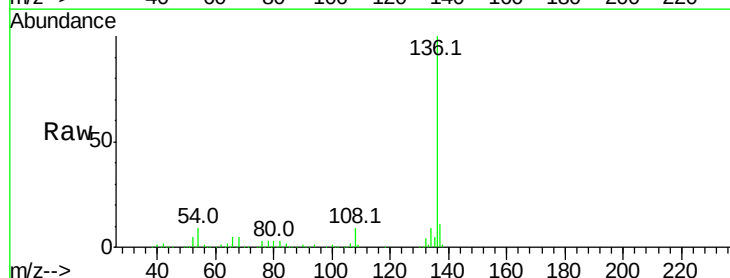
Instrument :  
BNA\_F  
ClientSampleId :

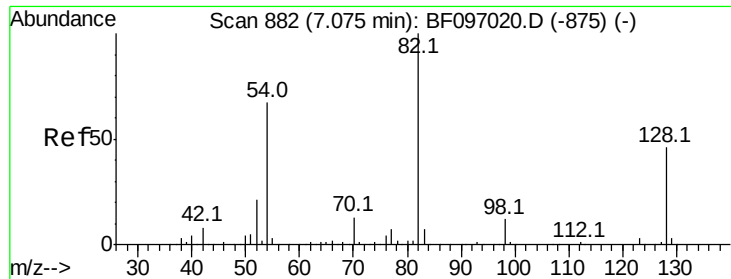
Tot Ion: 70 Resp: 52375  
Ion Ratio Lower Upper  
70 100  
42 60.7 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.4 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.73 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

Tgt Ion:136 Resp: 436053  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.5 12.7  
54 9.5 4.9 7.3#  
68 5.2 4.1 6.1

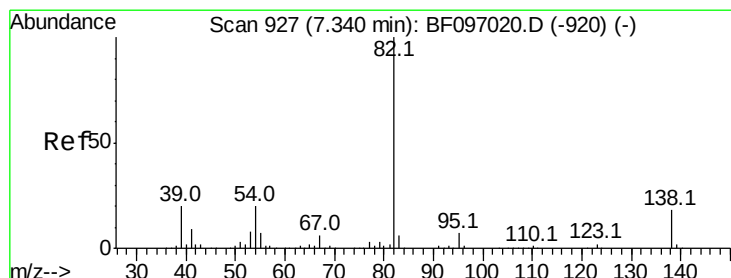
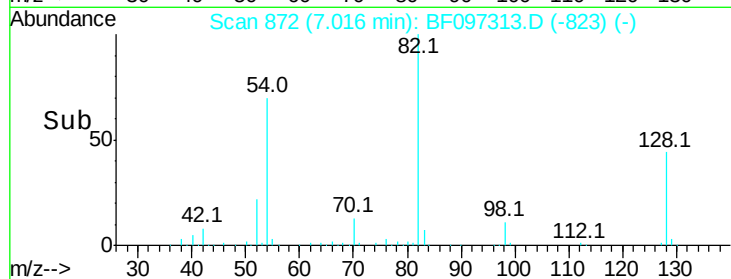
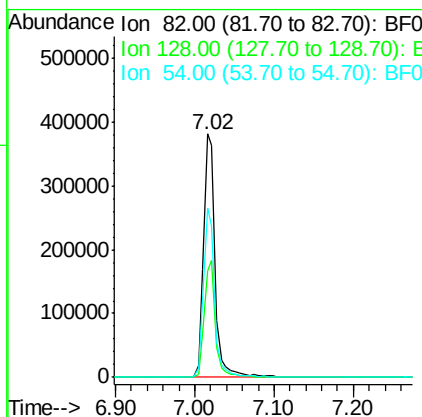
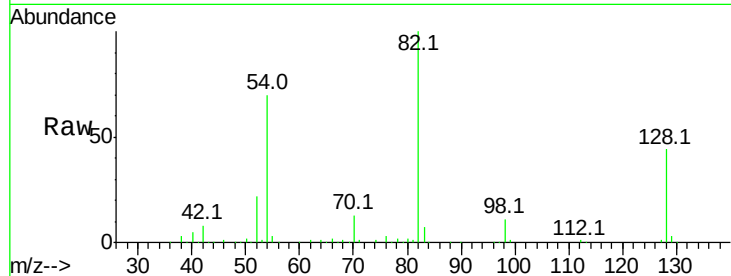




#23  
 Nitrobenzene-d5  
 Concen: 53.158 ng  
 RT: 7.02 min Scan# 872  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

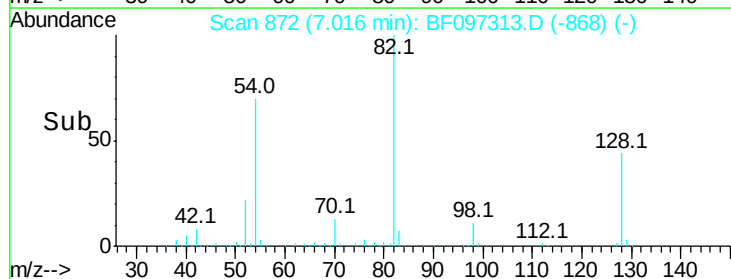
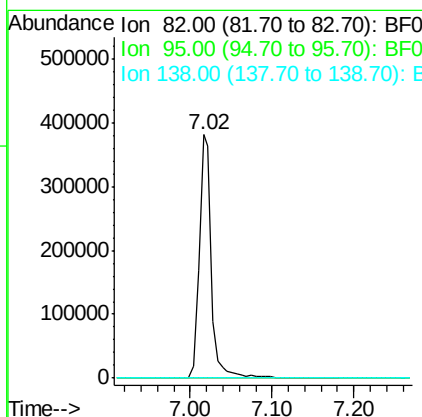
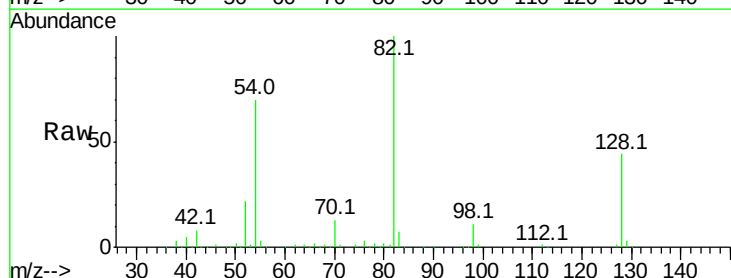
Instrument :  
 BNA\_F  
 ClientSampleId :

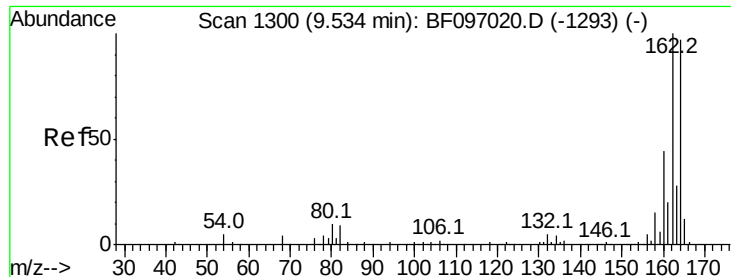
| Tot Ion   | 82   | Resp  | 395129 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.9 | 34.0  | 51.0   |
| 54        | 69.7 | 42.2  | 63.2#  |



#25  
 Isophorone  
 Concen: 27.144 ng  
 RT: 7.02 min Scan# 872  
 Delta R.T. -0.28 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

| Tgt Ion   | 82  | Resp  | 395126 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.0 | 5.3   | 7.9#   |
| 138       | 0.0 | 13.1  | 19.7#  |

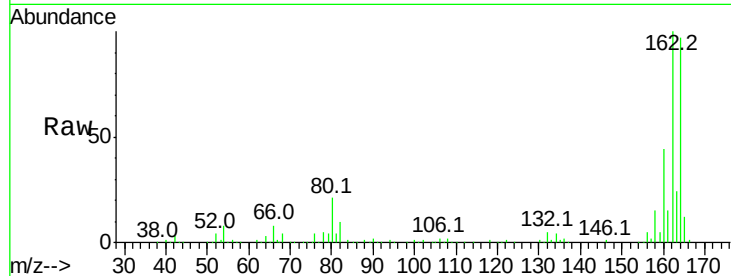




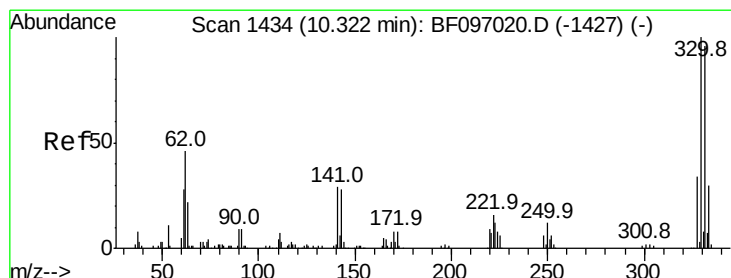
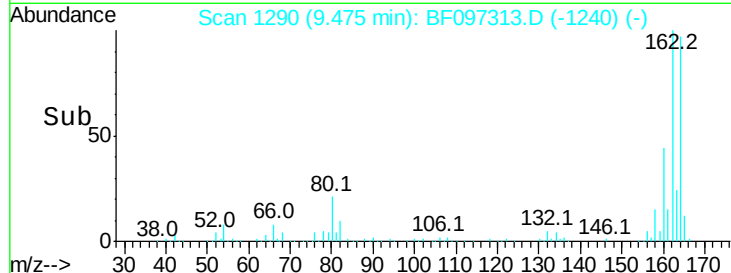
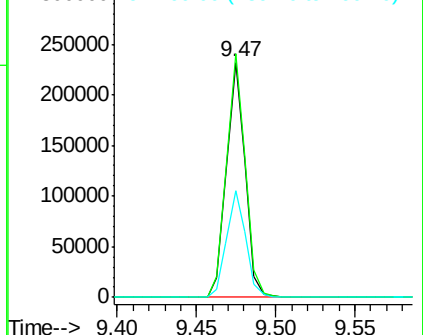
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.47 min Scan# 1290  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 188756  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 82.6 123.8  
 160 45.1 36.2 54.2

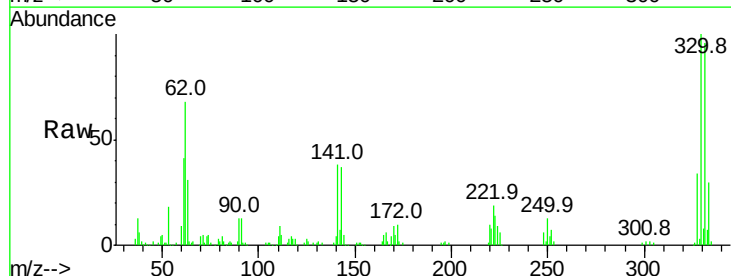


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

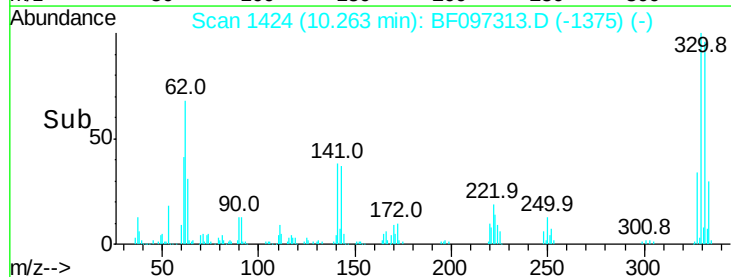
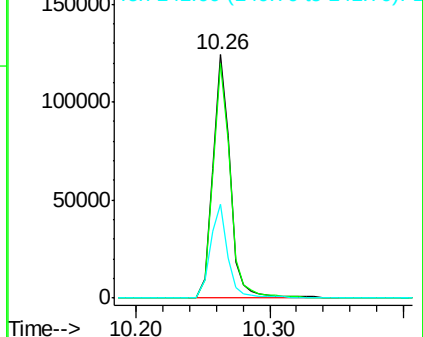


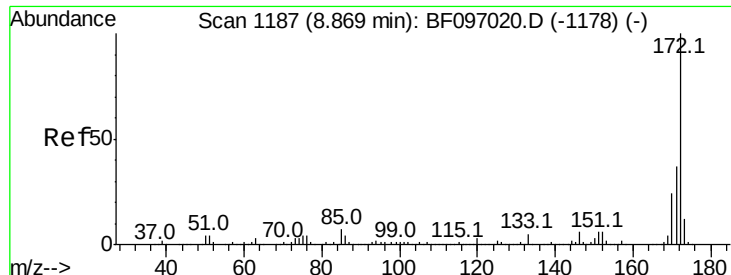
#41  
 2,4,6-Tribromophenol  
 Concen: 76.284 ng  
 RT: 10.26 min Scan# 1424  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Tgt Ion:330 Resp: 113766  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.6 115.0  
 141 38.3 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



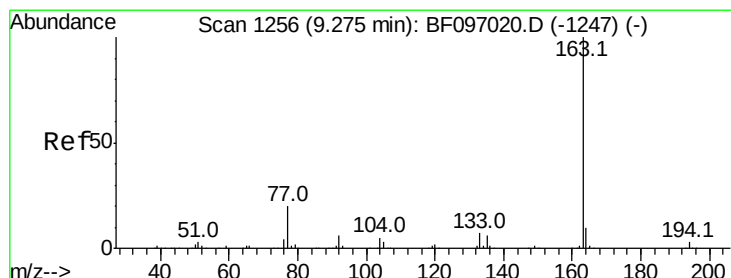
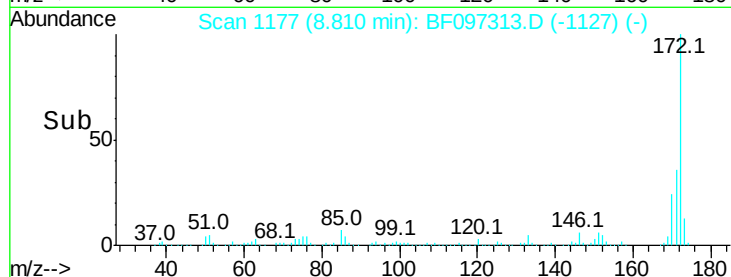
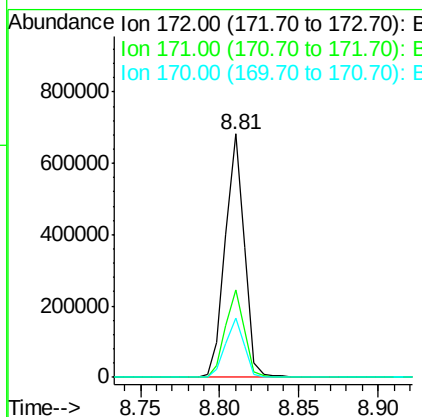
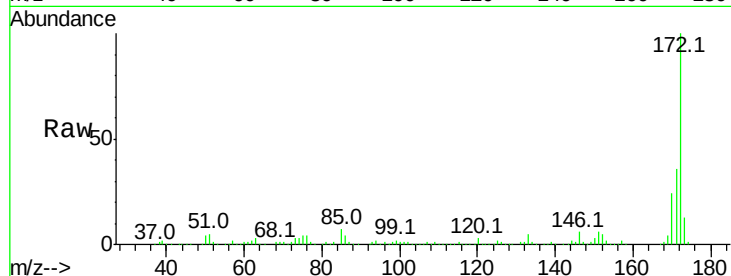


#44  
 2-Fluorobiphenyl  
 Concen: 51.260 ng  
 RT: 8.81 min Scan# 1177  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 570130  

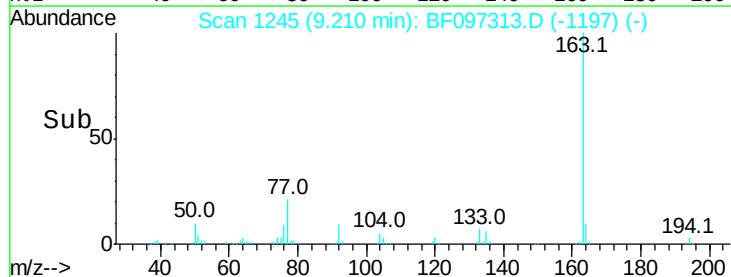
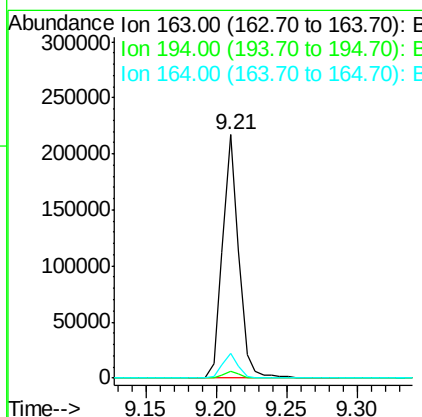
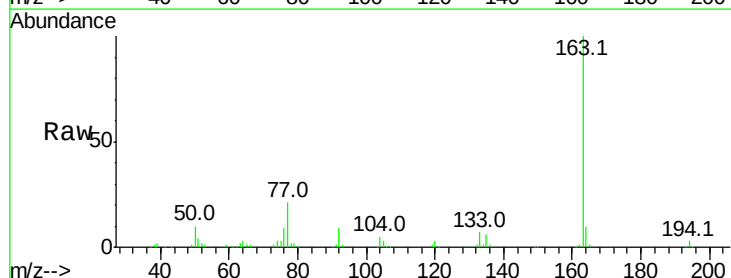
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.1  | 29.6  | 44.4  |
| 170 | 24.5  | 19.8  | 29.8  |



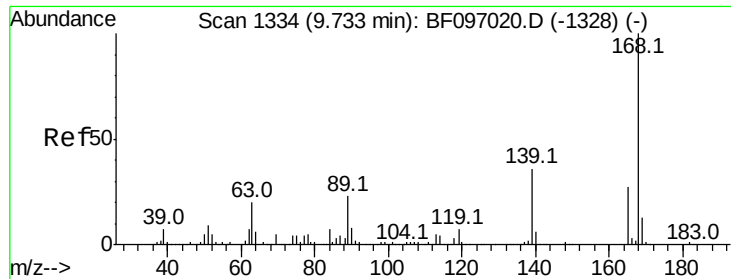
#49  
 Dimethylphthalate  
 Concen: 12.194 ng  
 RT: 9.21 min Scan# 1245  
 Delta R.T. -0.02 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Tgt Ion:163 Resp: 174784  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.1   | 2.6   | 4.0   |
| 164 | 10.2  | 8.4   | 12.6  |







#56

2,4-Dinitrotoluene

Concen: 6.780 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.22 min

Lab File: BF097313.D

Acq: 3 Aug 2017 11:31

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 23696

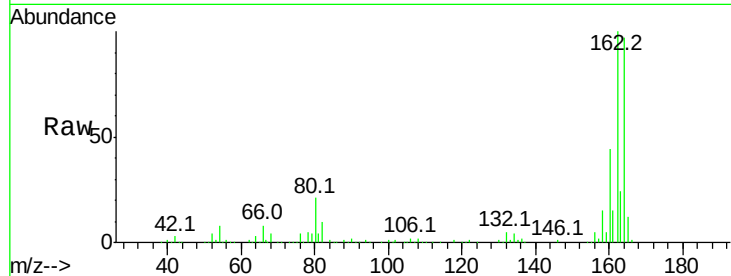
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.0 46.4 69.6#

182 0.0 1.8 2.6#

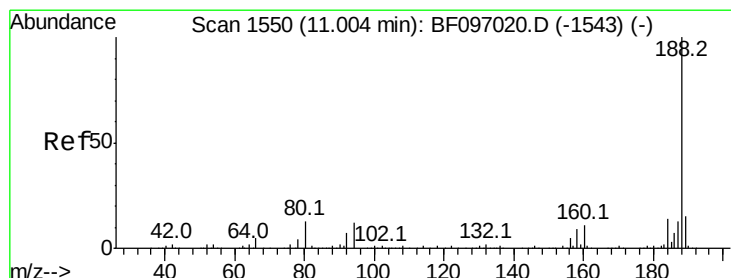
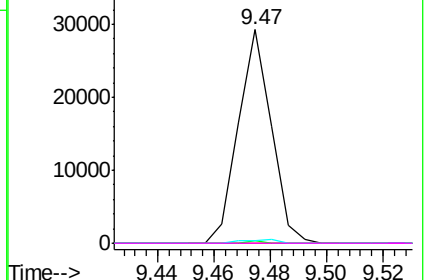
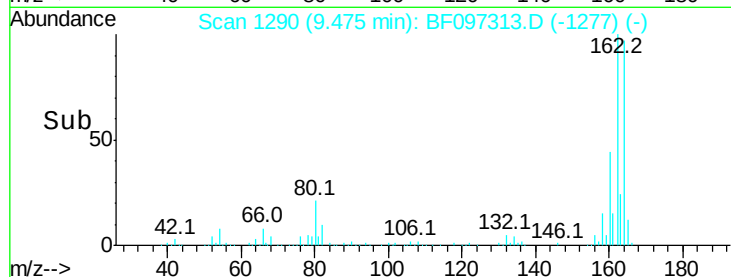


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 10.95 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BF097313.D

Acq: 3 Aug 2017 11:31

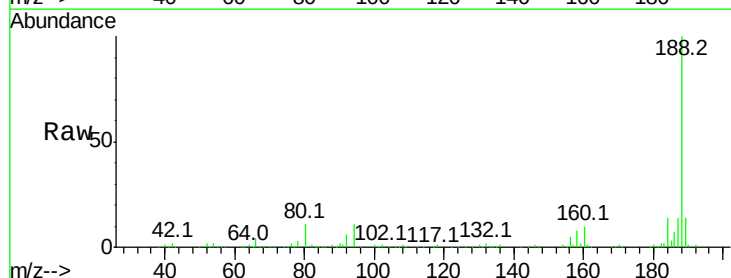
Tgt Ion:188 Resp: 286027

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

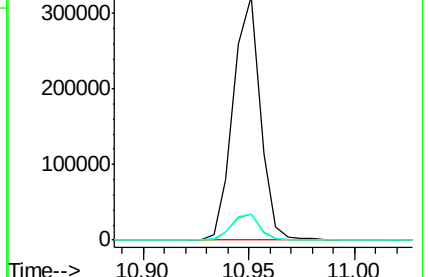
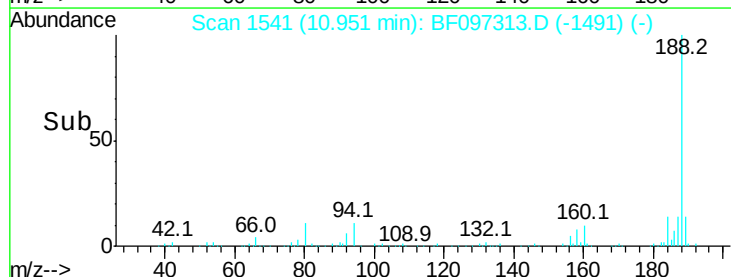
80 10.7 10.2 15.2

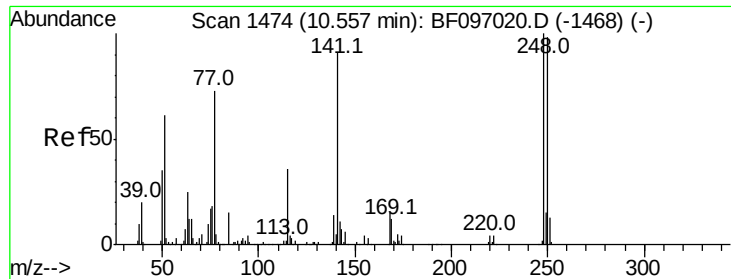


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

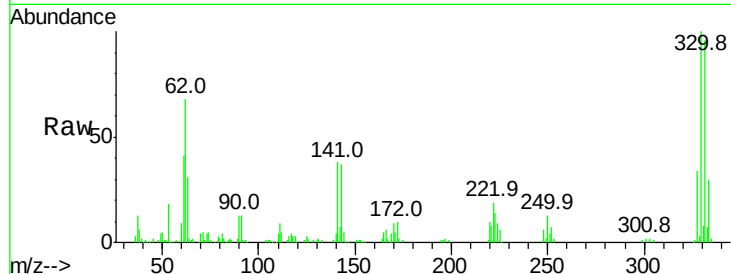




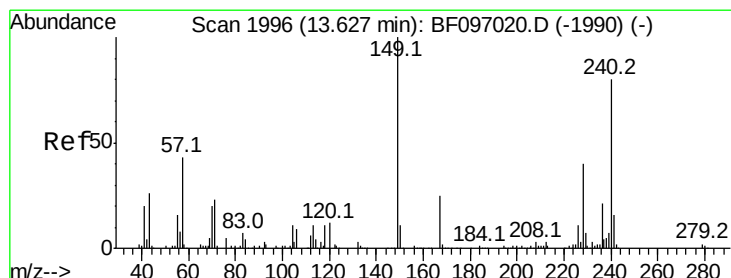
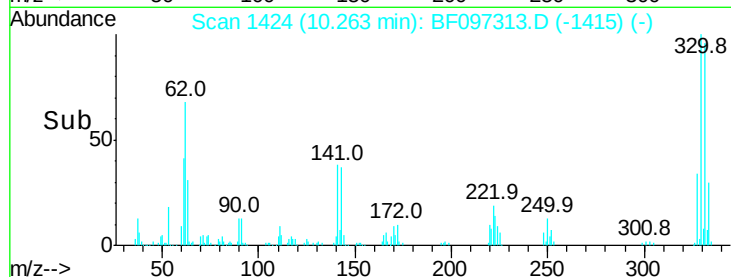
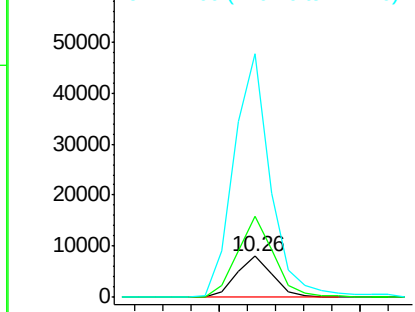
#66  
4-Bromophenyl-phenylether  
Concen: 2.510 ng  
RT: 10.26 min Scan# 1424  
Delta R.T. -0.25 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 7164  
Ion Ratio Lower Upper  
248 100  
250 198.4 76.8 115.2#  
141 597.4 68.6 103.0#

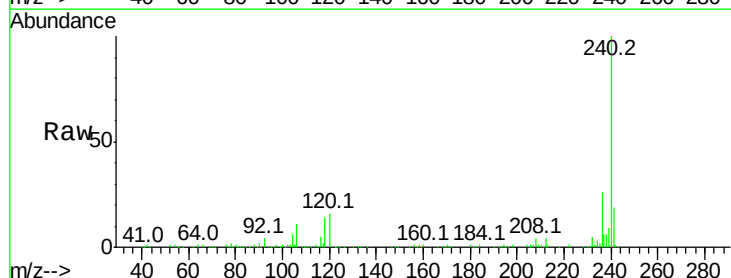


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

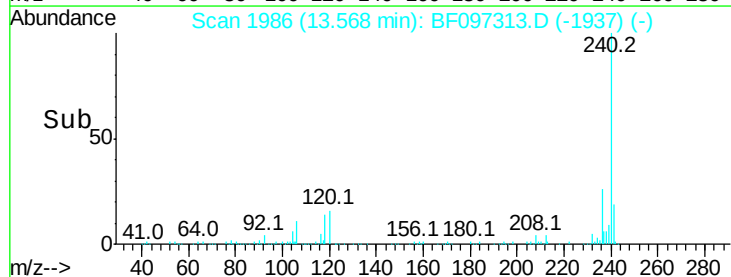
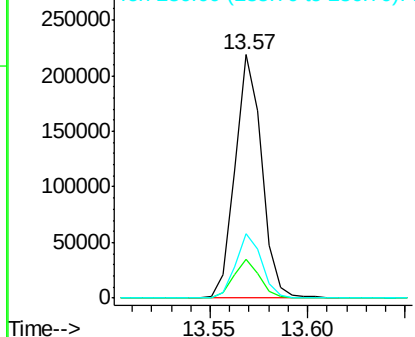


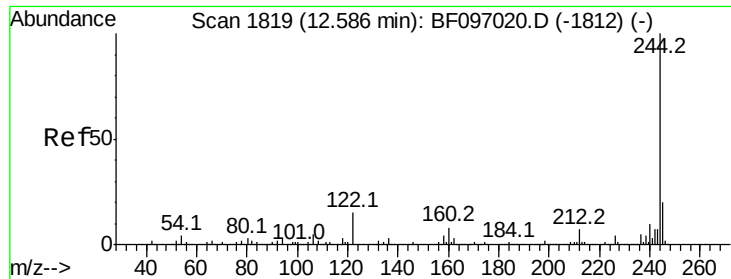
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.57 min Scan# 1986  
Delta R.T. -0.01 min  
Lab File: BF097313.D  
Acq: 3 Aug 2017 11:31

Tgt Ion:240 Resp: 207203  
Ion Ratio Lower Upper  
240 100  
120 16.0 5.8 8.8#  
236 26.2 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

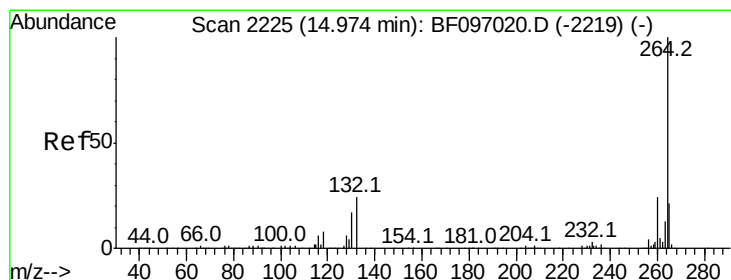
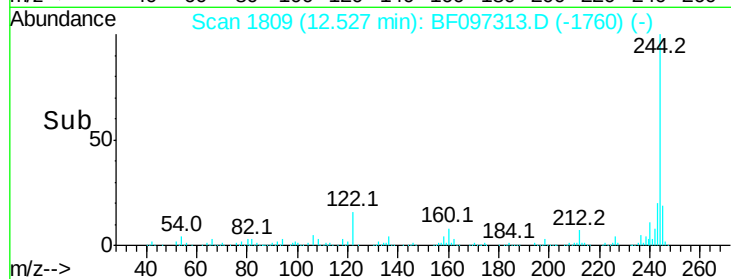
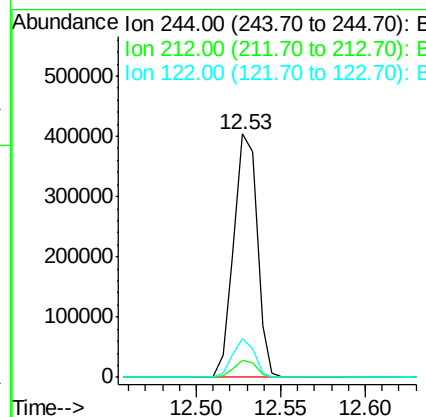
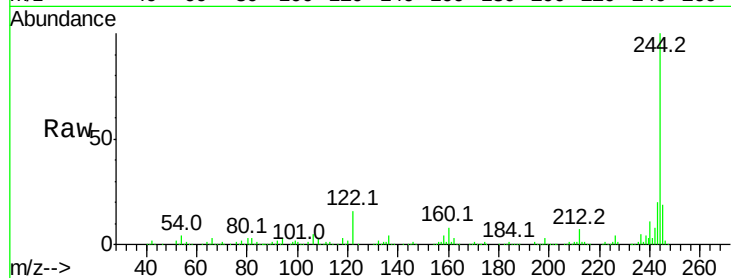




#78  
 Terphenyl-d14  
 Concen: 38.664 ng  
 RT: 12.53 min Scan# 1809  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Instrument :  
 BNA\_F  
 ClientSampleID :

Tot Ion:244 Resp: 392930  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.0 9.0  
 122 15.8 10.3 15.5#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 14.91 min Scan# 2214  
 Delta R.T. -0.01 min  
 Lab File: BF097313.D  
 Acq: 3 Aug 2017 11:31

Tgt Ion:264 Resp: 148951  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.5 29.3  
 265 21.4 17.2 25.8

