

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\  
 Data File : BF096566.D  
 Acq On : 7 Jul 2017 18:32  
 Operator : SJ/MA  
 Sample : I4064-12  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 23:11:21 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 13:02:33 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.69  | 152  | 107631   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.97  | 136  | 440275   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.73  | 164  | 200242   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 345715   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.83 | 240  | 240711   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12               | 15.23 | 264  | 201174   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 591444   | 81.11 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.33  | 99   | 722422   | 80.58 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 428222   | 58.45 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.52 | 330  | 136413   | 87.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.05  | 172  | 739983   | 63.18 | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.79 | 244  | 574200   | 50.97 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 56313    | 10.54 | ng    | # 87     |
| 25) Isophorone                 | 7.25  | 82   | 428219   | 30.14 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.45  | 163  | 149856   | 10.03 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.73  | 165  | 25111    | 6.00  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.51 | 248  | 8703     | 2.59  | ng    | # 1      |

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



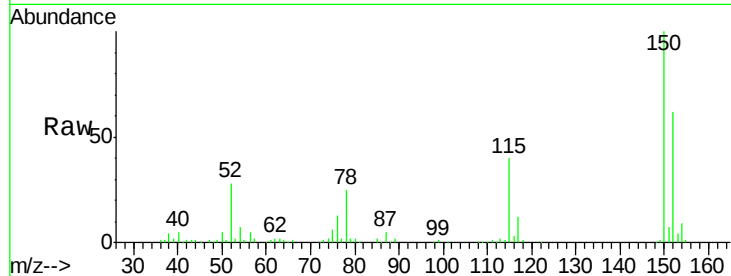


#1

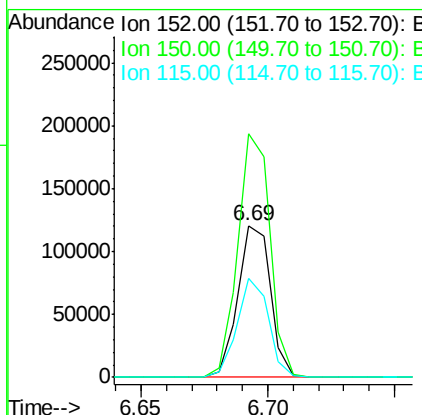
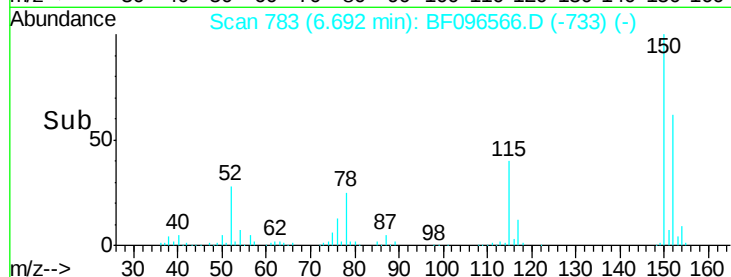
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 107631  
Ion Ratio Lower Upper  
152 100  
150 160.1 126.2 189.2  
115 64.7 52.2 78.2



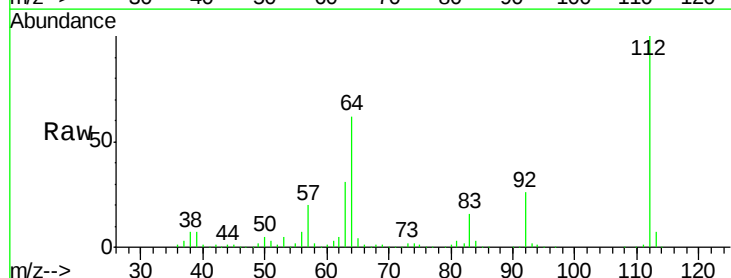
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



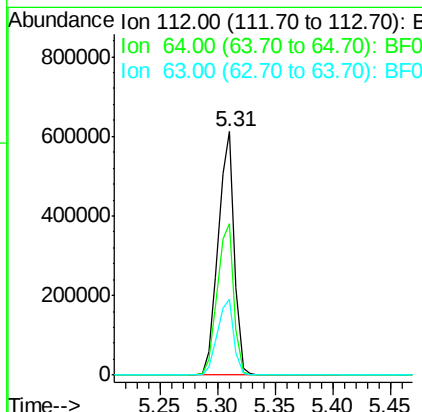
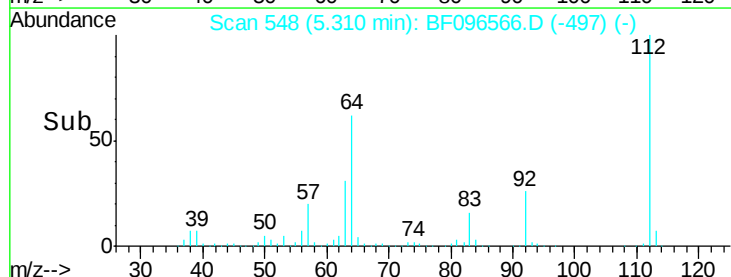
#5

2-Fluorophenol  
Concen: 81.11 ng  
RT: 5.31 min Scan# 548  
Delta R.T. -0.00 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

Tgt Ion:112 Resp: 591444  
Ion Ratio Lower Upper  
112 100  
64 62.0 46.0 69.0  
63 31.1 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: 80.58 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096566.D

Acq: 7 Jul 2017 18:32

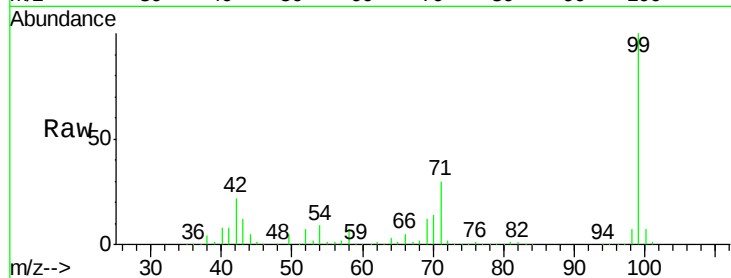
Instrument :

BNA\_F

ClientSampled :

Tot Ion: 99 Resp: 722422

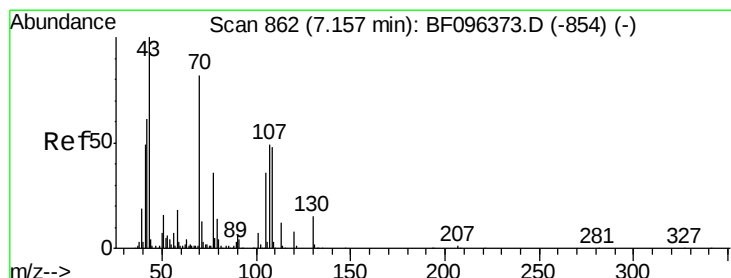
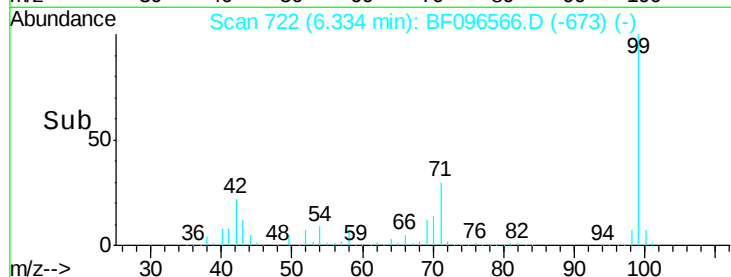
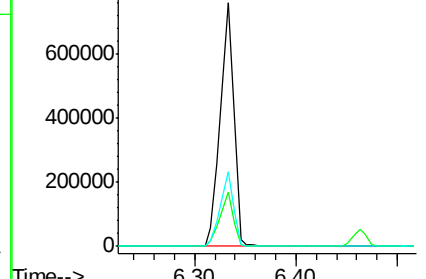
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.5  | 13.5  | 20.3# |
| 71  | 30.5  | 24.5  | 36.7  |



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.54 ng

RT: 7.25 min Scan# 878

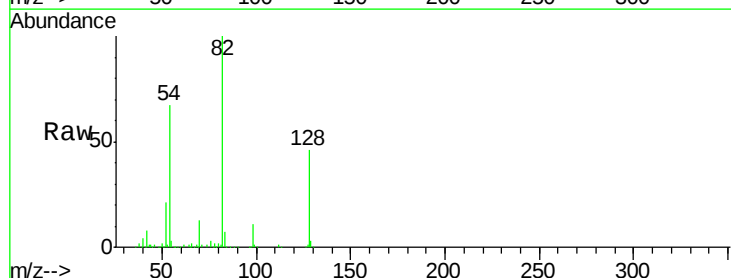
Delta R.T. 0.12 min

Lab File: BF096566.D

Acq: 7 Jul 2017 18:32

Tgt Ion: 70 Resp: 56313

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 60.6  | 47.2  | 70.8  |
| 101 | 0.0   | 7.2   | 10.8# |
| 130 | 2.1   | 15.9  | 23.9# |

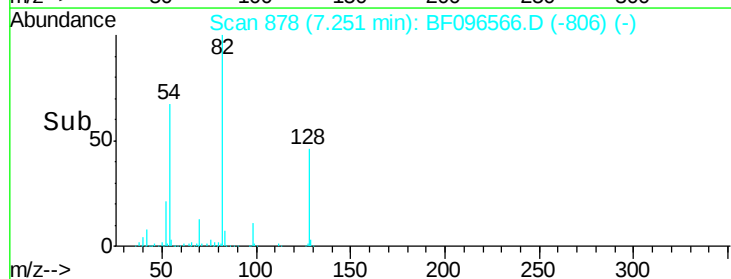
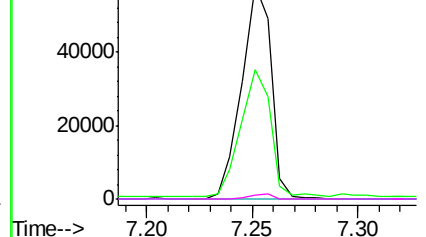


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

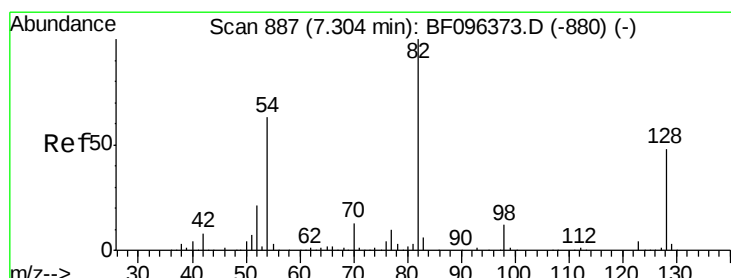
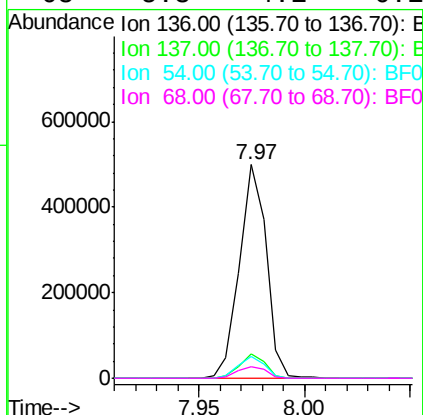
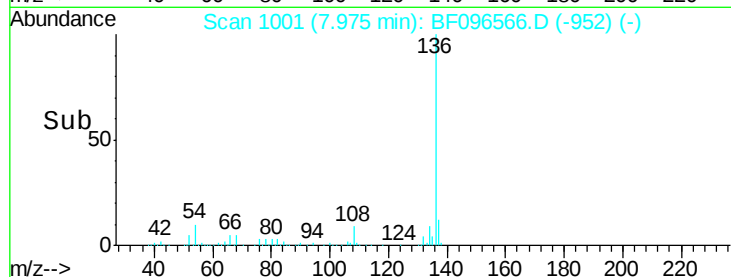
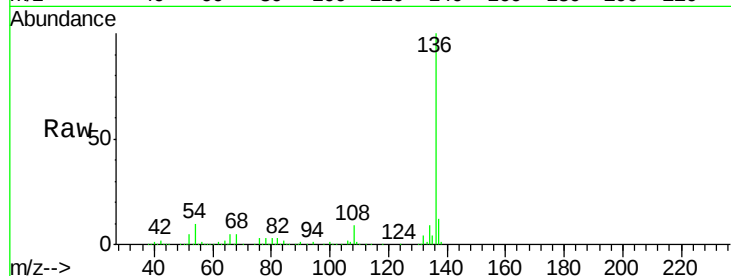




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

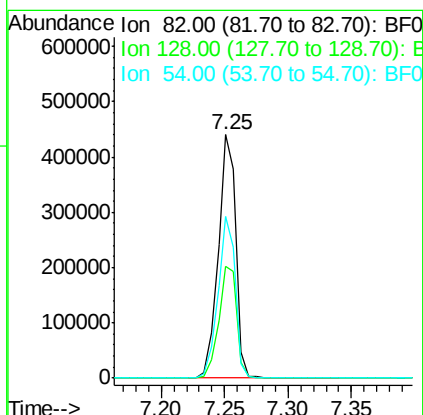
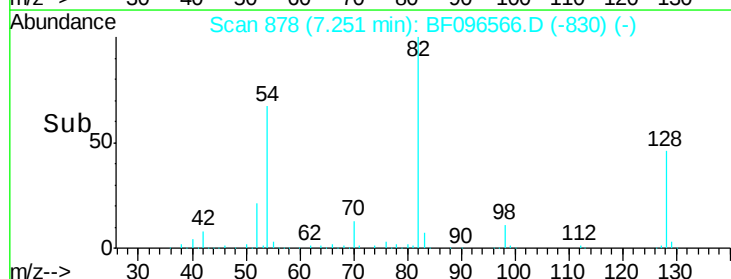
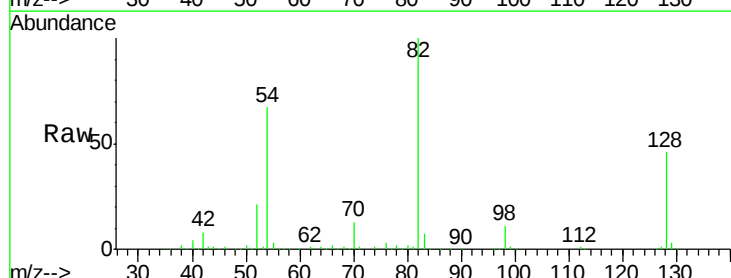
Instrument :  
BNA\_F  
ClientSampleId :

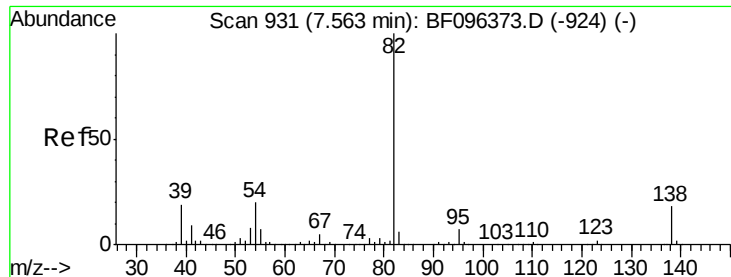
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 440275      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.5  | 8.5 12.7    |
| 54          | 10.4  | 4.9 7.3#    |
| 68          | 5.3   | 4.1 6.1     |



#23  
Nitrobenzene-d5  
Concen: 58.45 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.02 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 428222      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 46.0  | 34.0 51.0   |
| 54          | 66.5  | 42.2 63.2#  |





#25

Isophorone

Concen: 30.14 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.28 min

Lab File: BF096566.D

Acq: 7 Jul 2017 18:32

Instrument :

BNA\_F

ClientSampled :

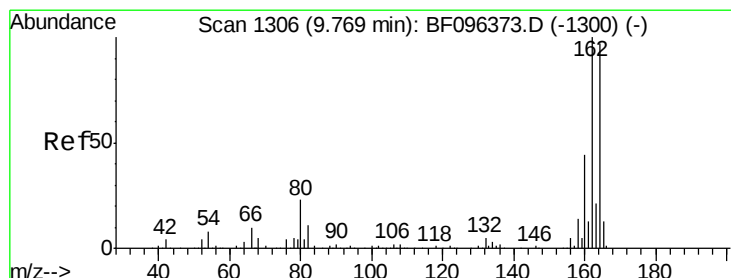
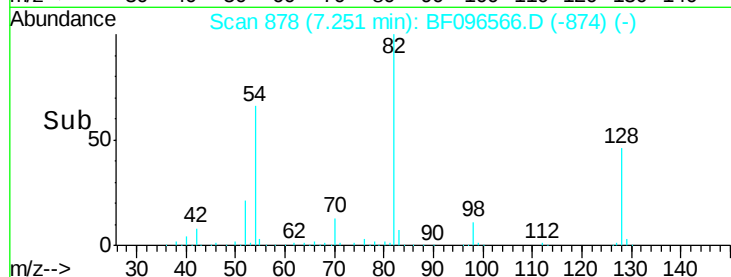
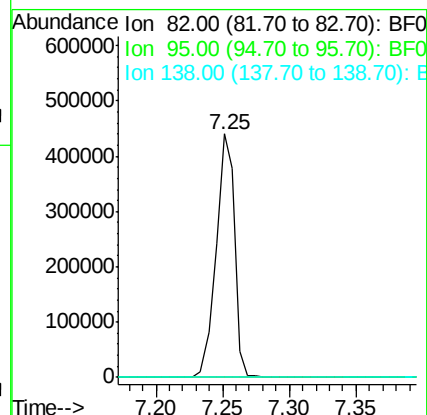
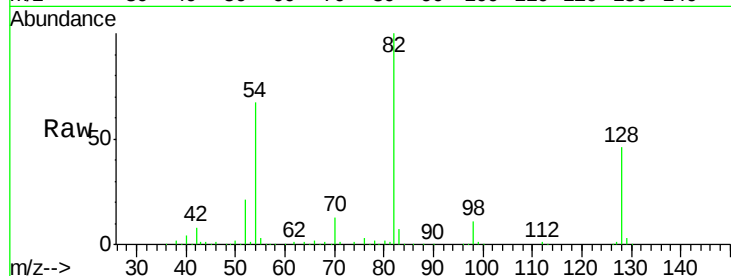
Tot Ion: 82 Resp: 428219

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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096566.D

Acq: 7 Jul 2017 18:32

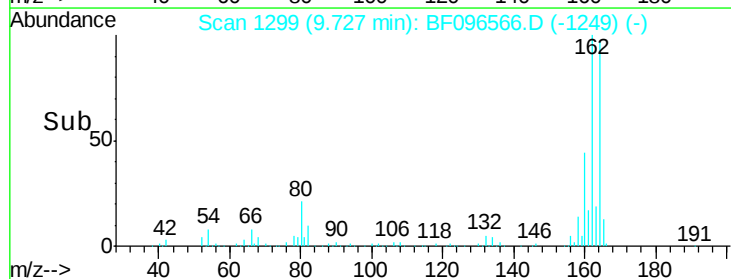
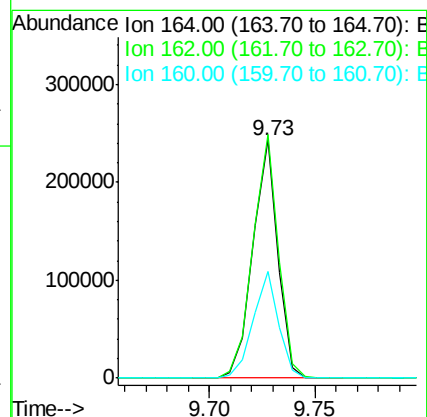
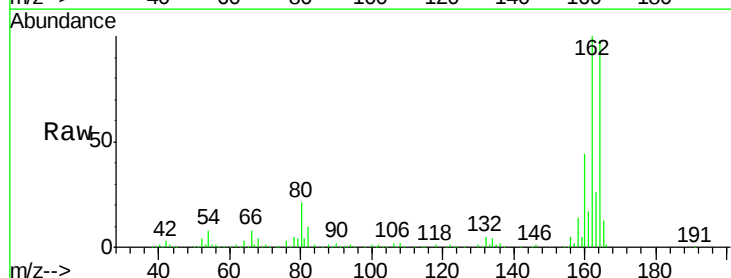
Tgt Ion:164 Resp: 200242

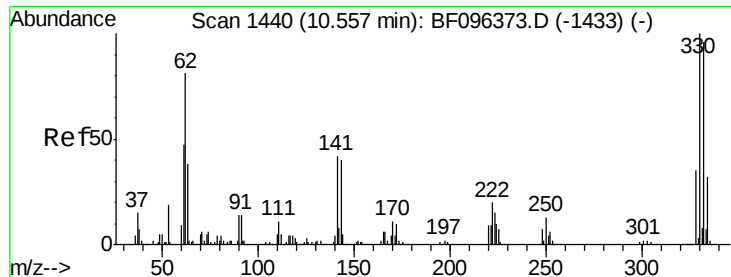
Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 44.7 36.2 54.2

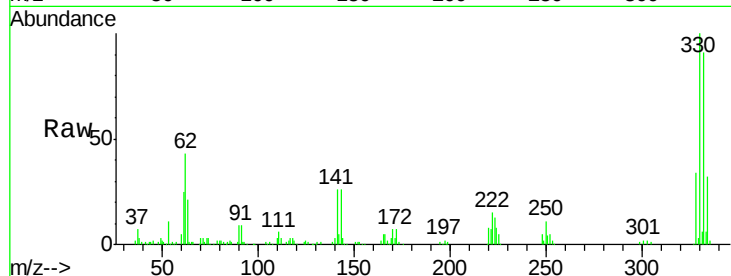




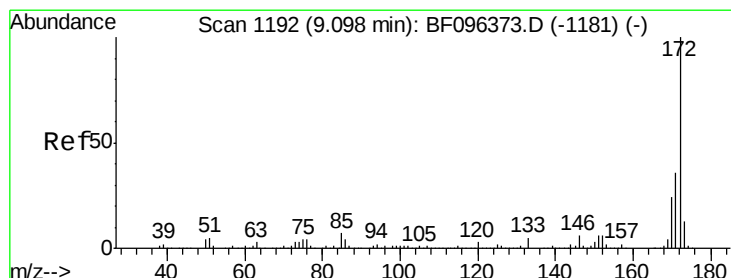
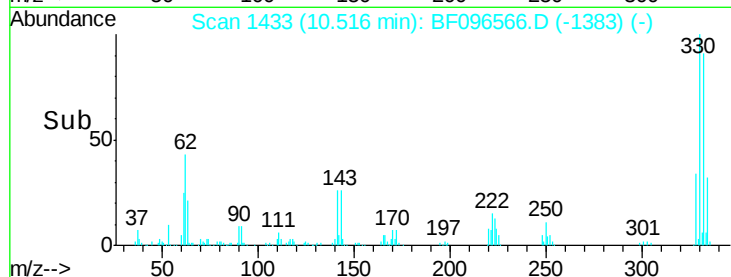
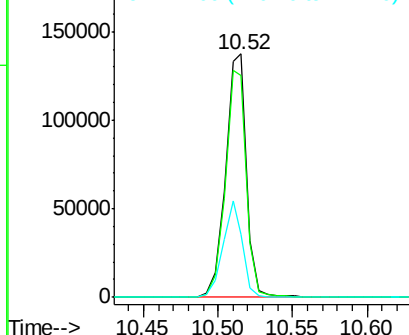
#41  
 2,4,6-Tribromophenol  
 Concen: 87.21 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 136413  
 Ion Ratio Lower Upper  
 330 100  
 332 93.4 76.6 115.0  
 141 36.6 31.4 47.2

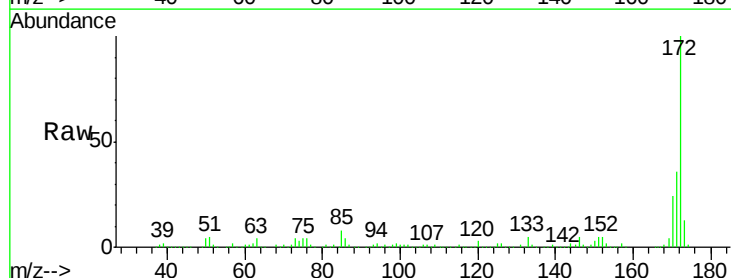


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

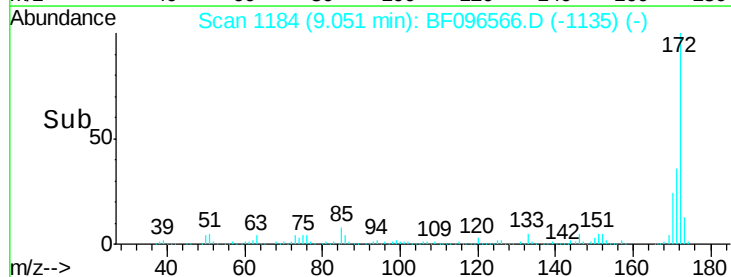
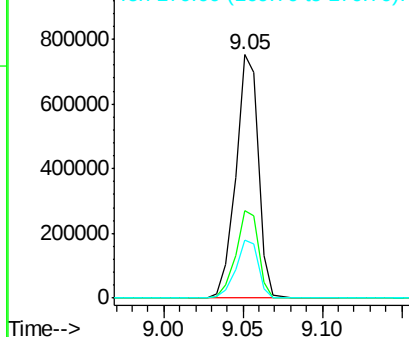


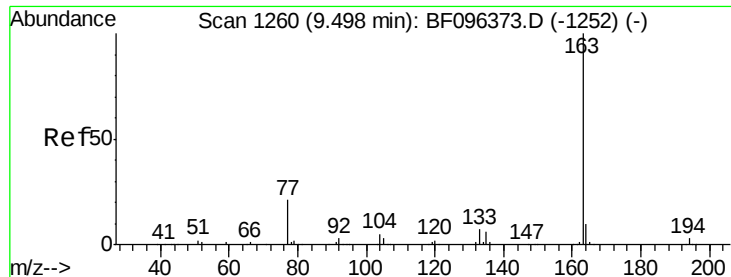
#44  
 2-Fluorobiphenyl  
 Concen: 63.18 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

Tgt Ion:172 Resp: 739983  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 29.6 44.4  
 170 23.8 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

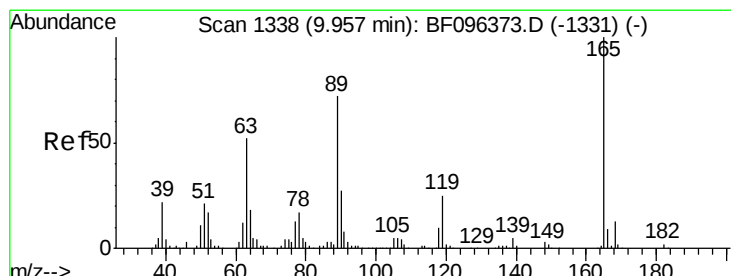
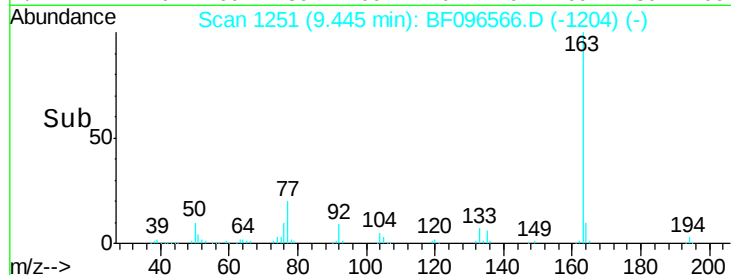
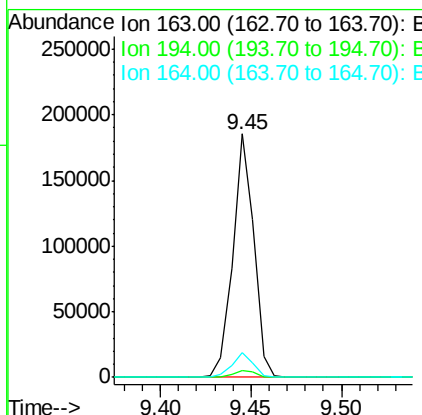
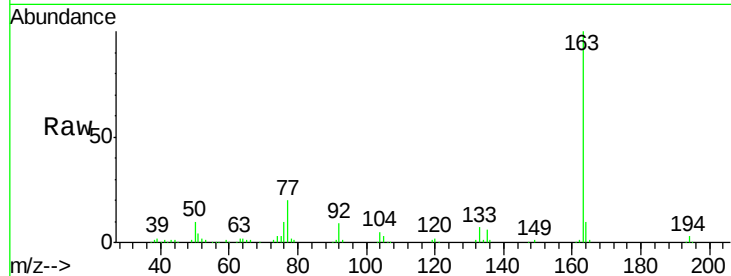




#49  
 Dimethylphthalate  
 Concen: 10.03 ng  
 RT: 9.45 min Scan# 1251  
 Delta R.T. -0.02 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

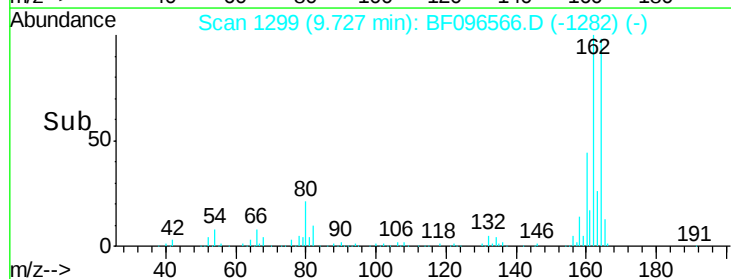
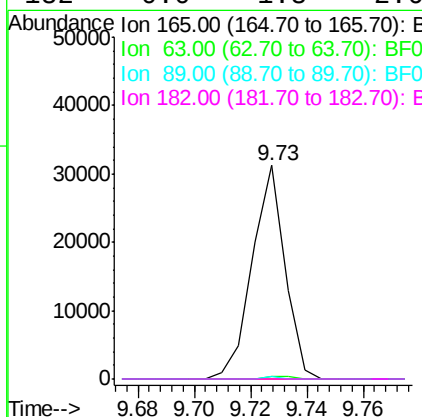
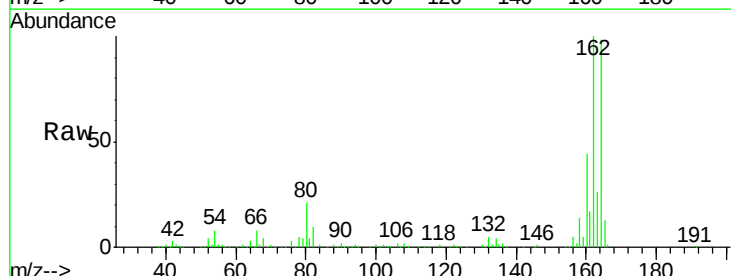
Instrument :  
 BNA\_F  
 ClientSampled :

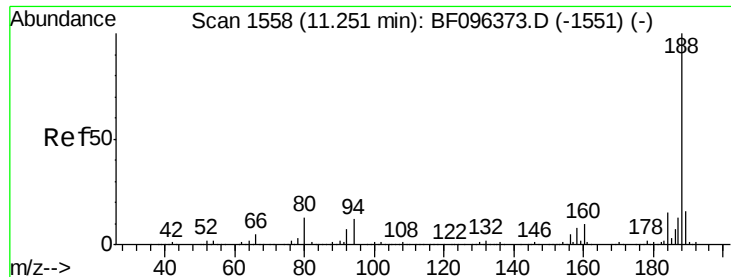
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.1   | 2.6   | 4.0   |
| 164     | 10.1  | 8.4   | 12.6  |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.00 ng  
 RT: 9.73 min Scan# 1299  
 Delta R.T. -0.20 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 25.4  | 38.0# |
| 89      | 1.0   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

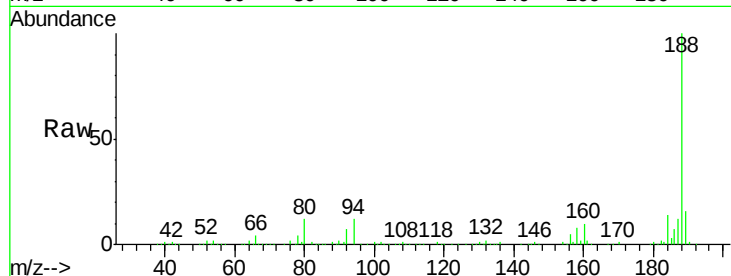




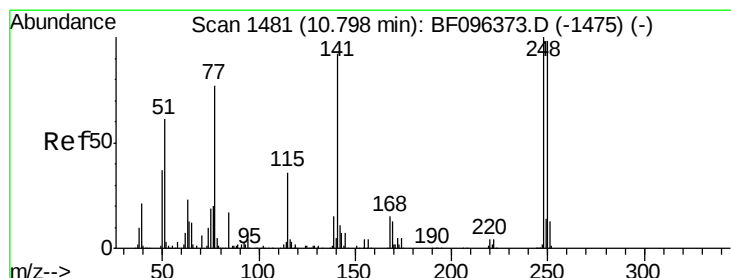
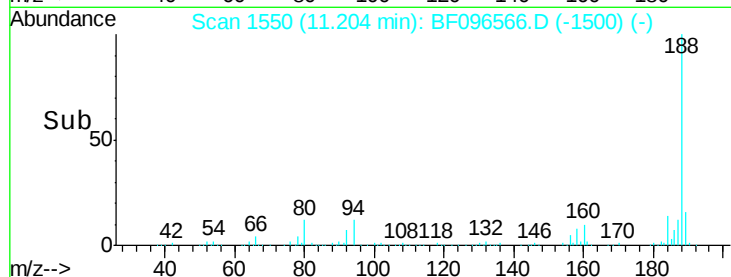
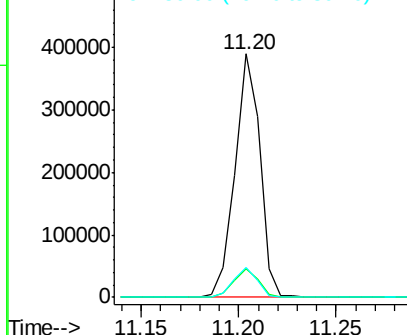
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 1550  
Delta R.T. -0.01 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 345715  
Ion Ratio Lower Upper  
188 100  
94 11.9 9.4 14.2  
80 12.4 10.2 15.2

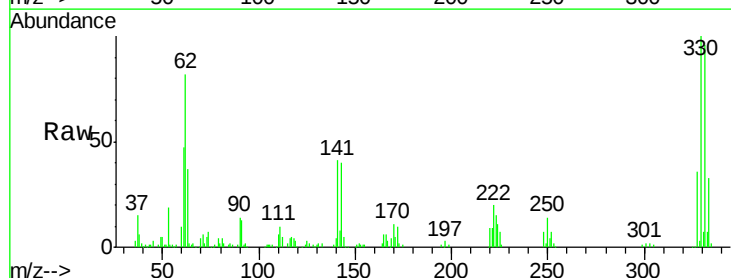


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

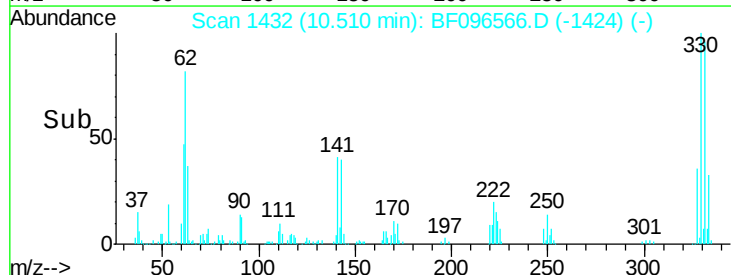
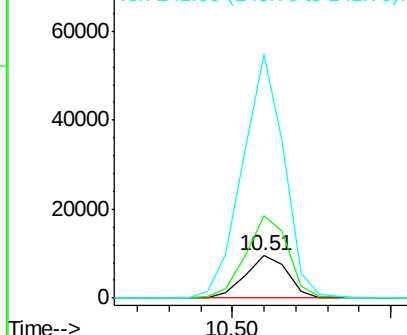


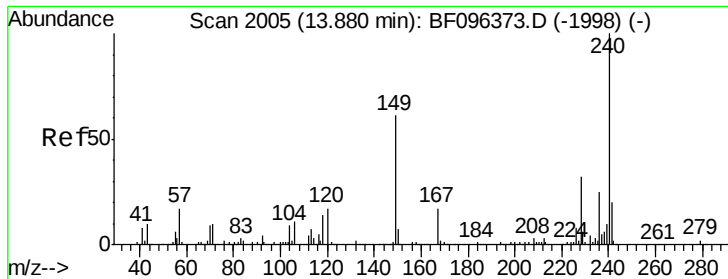
#66  
4-Bromophenyl-phenylether  
Concen: 2.59 ng  
RT: 10.51 min Scan# 1432  
Delta R.T. -0.25 min  
Lab File: BF096566.D  
Acq: 7 Jul 2017 18:32

Tgt Ion:248 Resp: 8703  
Ion Ratio Lower Upper  
248 100  
250 192.9 76.8 115.2#  
141 573.5 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

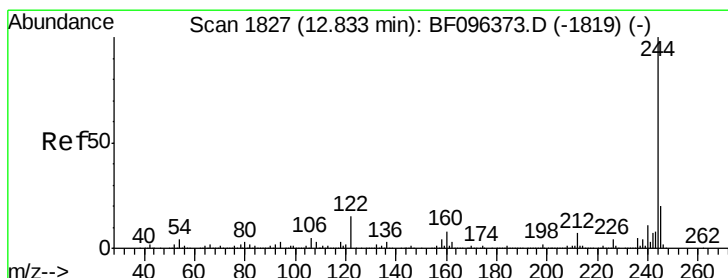
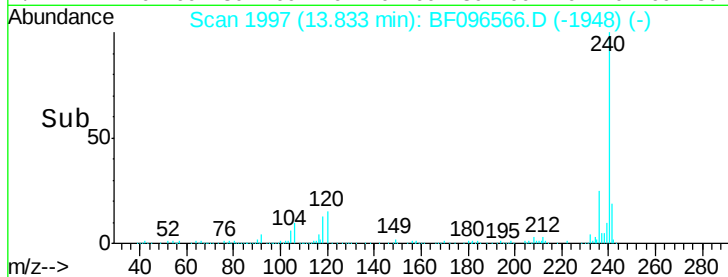
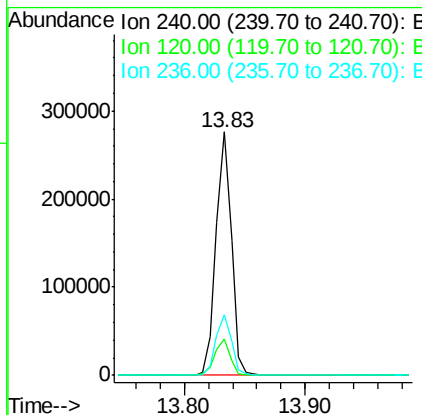
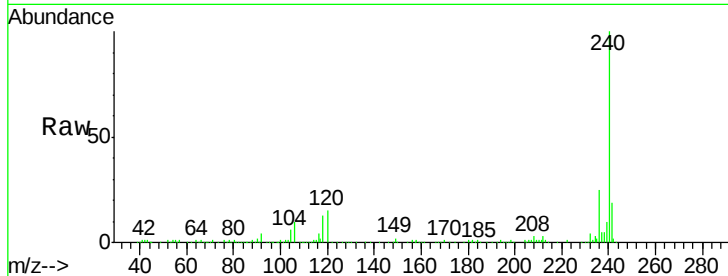




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.83 min Scan# 1997  
 Delta R.T. -0.01 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

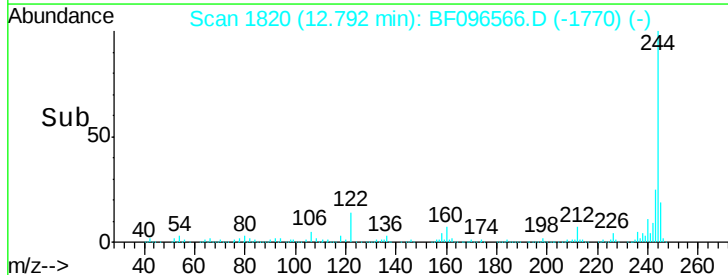
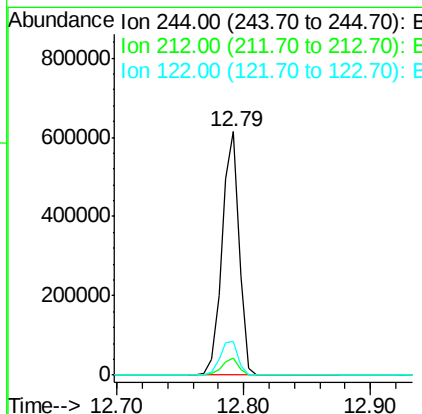
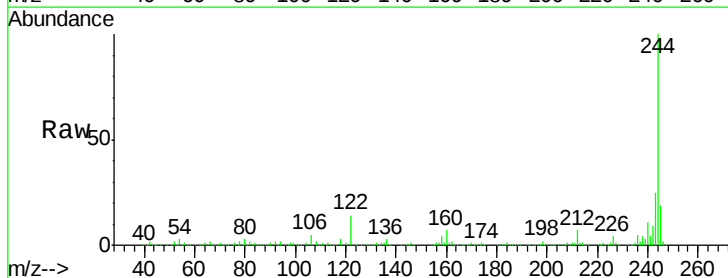
Instrument :  
 BNA\_F  
 ClientSampleId :

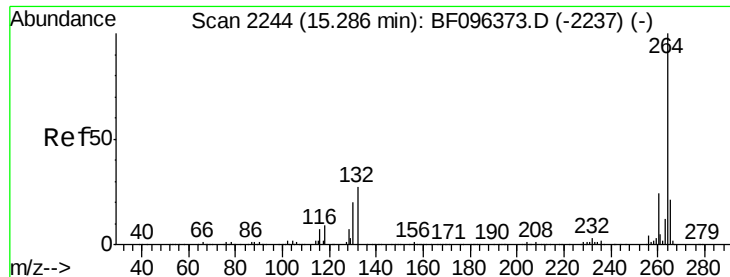
Tot Ion:240 Resp: 240711  
 Ion Ratio Lower Upper  
 240 100  
 120 14.9 5.8 8.8#  
 236 24.8 20.5 30.7



#78  
 Terphenyl-d14  
 Concen: 50.97 ng  
 RT: 12.79 min Scan# 1820  
 Delta R.T. -0.01 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

Tgt Ion:244 Resp: 574200  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.0 10.3 15.5

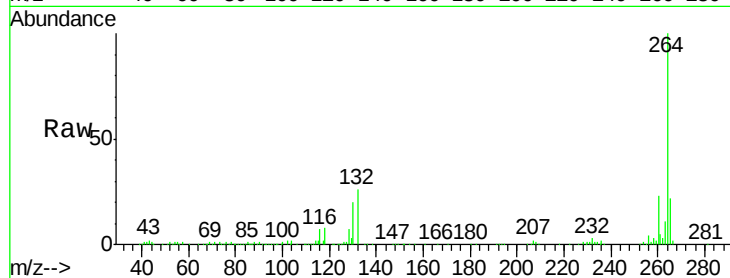




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. -0.01 min  
 Lab File: BF096566.D  
 Acq: 7 Jul 2017 18:32

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.5  | 29.3  |
| 265     | 22.0  | 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

