

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\  
 Data File : BF096417.D  
 Acq On : 2 Jul 2017 15:44  
 Operator : SJ/MA  
 Sample : I3950-16  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 03 04:31:48 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 01:43:12 2017  
 Response via : Initial Calibration

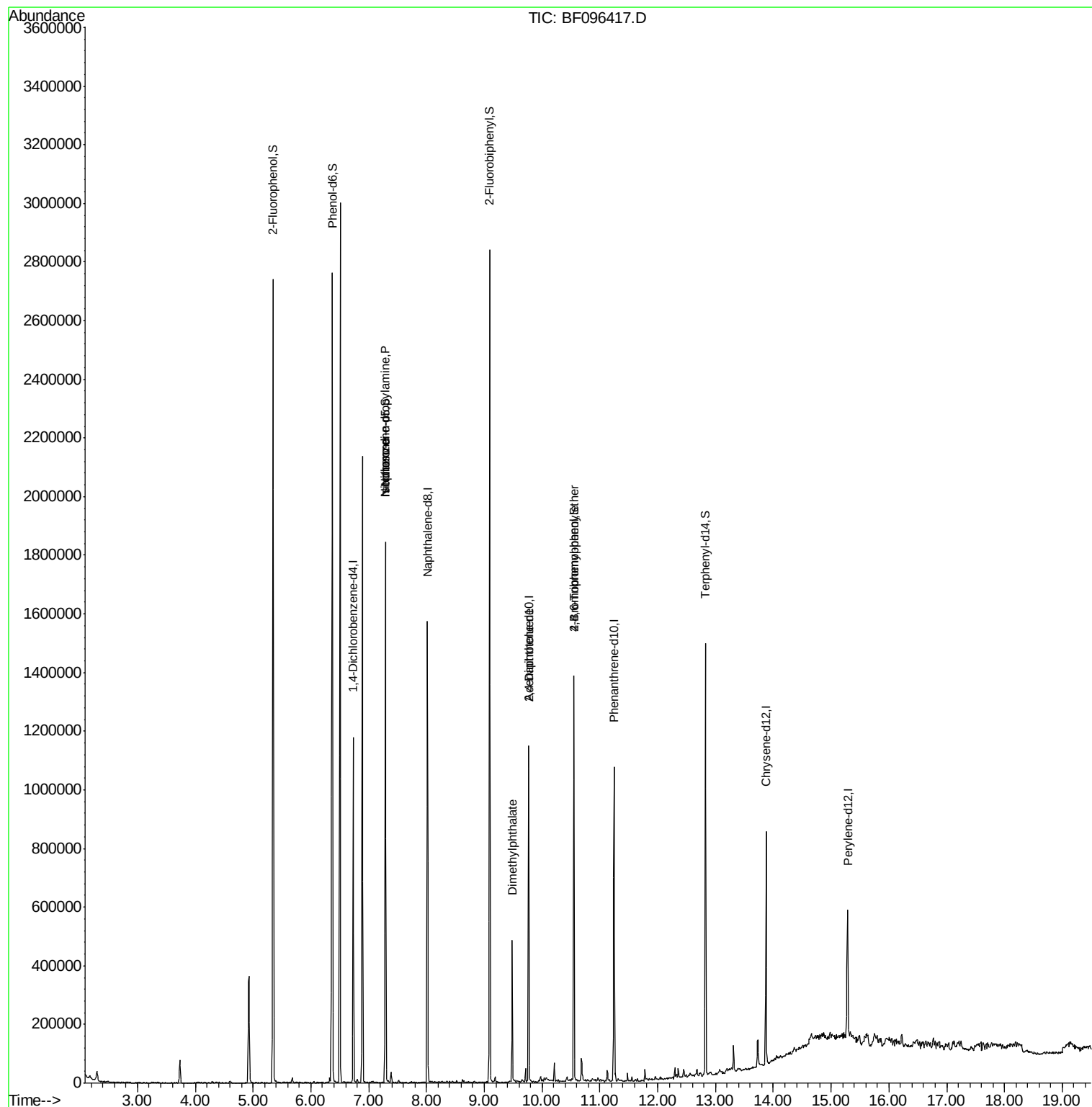
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.73  | 152  | 155960   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.02  | 136  | 640889   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.77  | 164  | 237137   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 341650   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 244273   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 185045   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.35  | 112  | 774143   | 73.26 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 966035   | 74.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 524409   | 49.17 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 140541   | 75.87 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 853807   | 61.56 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.83 | 244  | 424149   | 37.10 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 69755    | 9.01  | ng    | # 88     |
| 25) Isophorone                 | 7.29  | 82   | 520810   | 25.19 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.48  | 163  | 178878   | 10.10 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 30860    | 6.23  | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 9112     | 2.74  | ng    | # 1      |

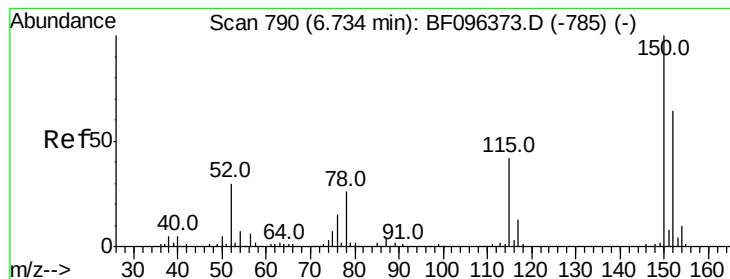
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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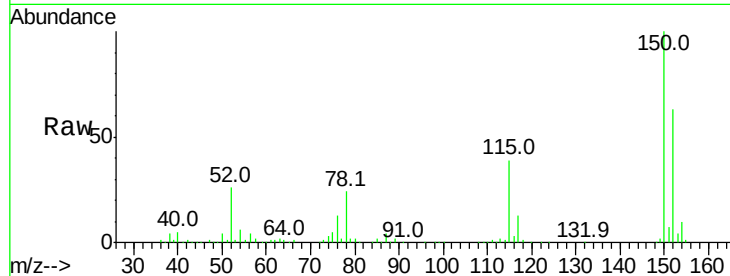


#1

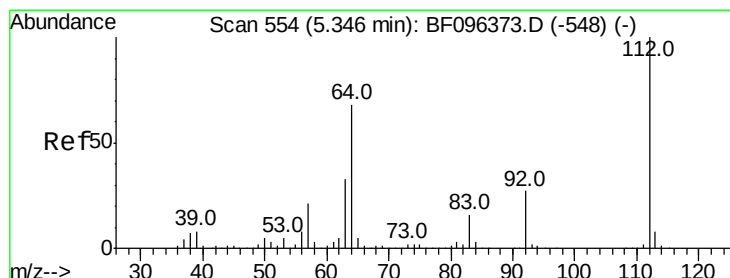
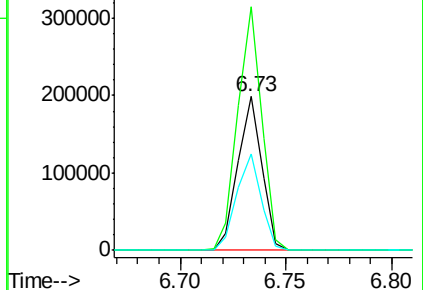
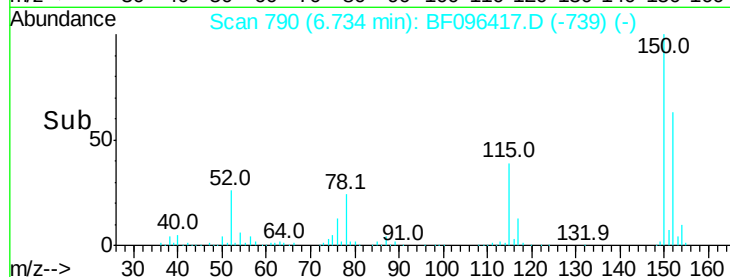
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.73 min Scan# 790  
Delta R.T. -0.00 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 155960  
Ion Ratio Lower Upper  
152 100  
150 158.6 126.2 189.2  
115 62.5 52.2 78.2



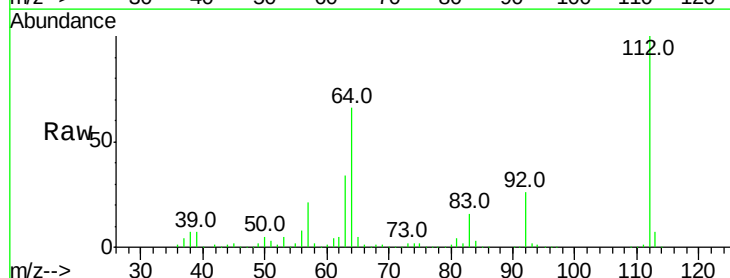
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



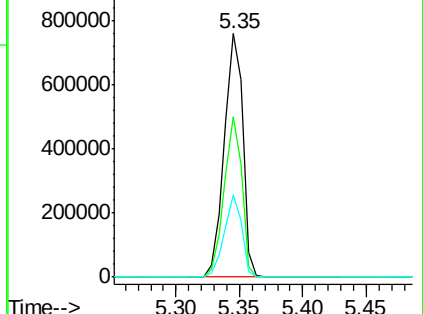
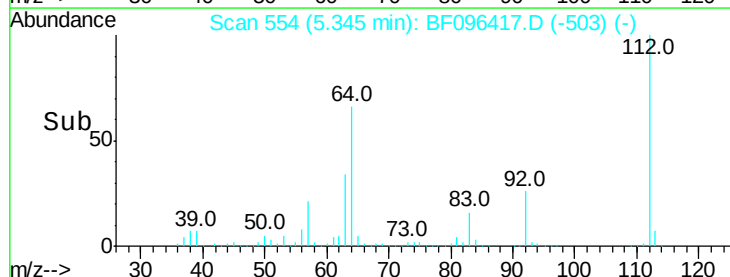
#5

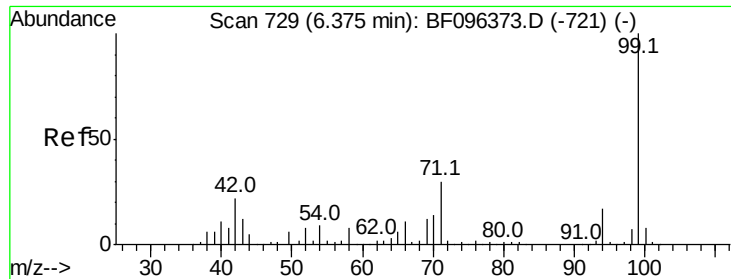
2-Fluorophenol  
Concen: 73.26 ng  
RT: 5.35 min Scan# 554  
Delta R.T. 0.00 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Tgt Ion:112 Resp: 774143  
Ion Ratio Lower Upper  
112 100  
64 66.0 46.0 69.0  
63 33.6 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: 74.37 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096417.D

Acq: 2 Jul 2017 15:44

Instrument :

BNA\_F

ClientSampleId :

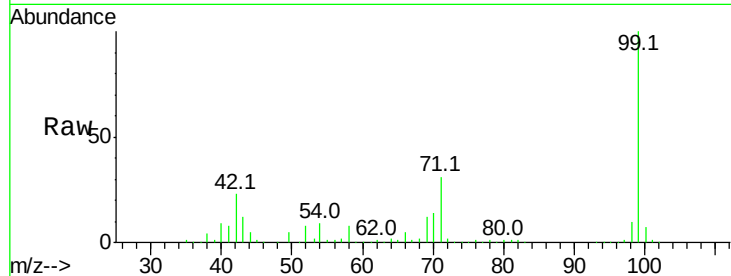
Tot Ion: 99 Resp: 966035

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

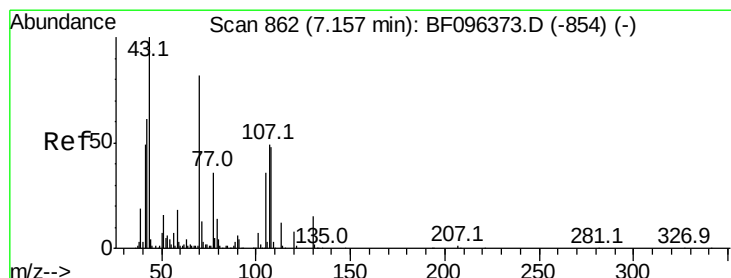
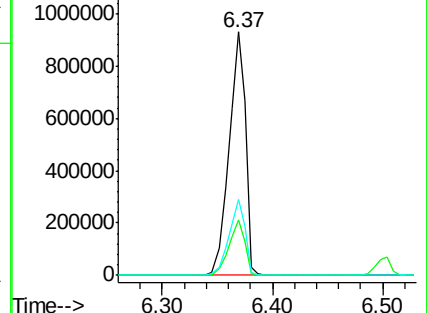
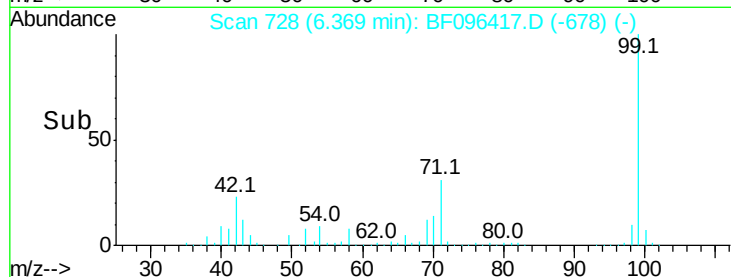
71 31.4 24.5 36.7



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: 9.01 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF096417.D

Acq: 2 Jul 2017 15:44

Tgt Ion: 70 Resp: 69755

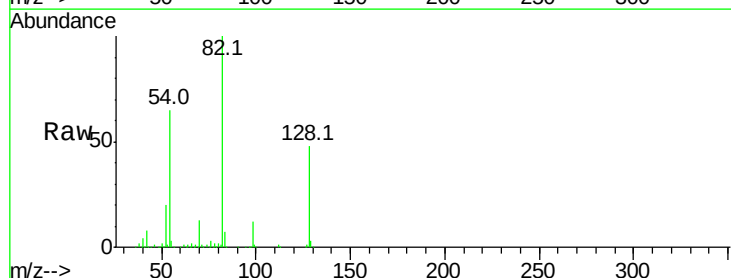
Ion Ratio Lower Upper

70 100

42 58.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

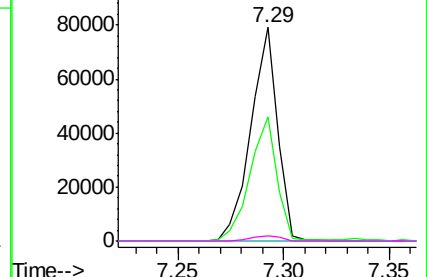
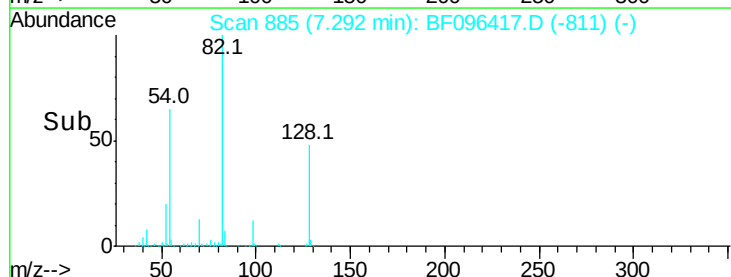


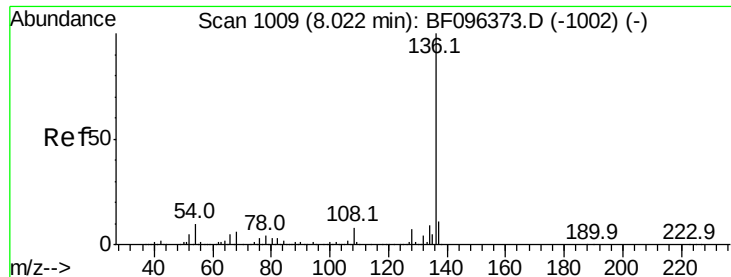
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096417.D

Acq: 2 Jul 2017 15:44

Instrument :

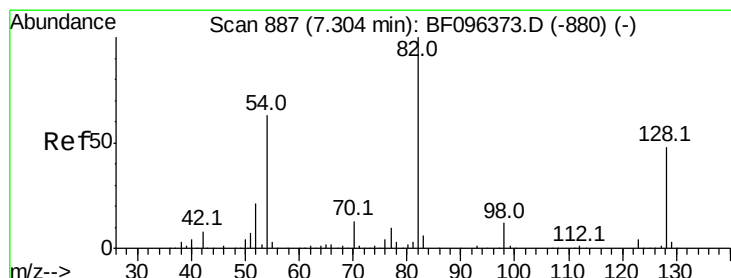
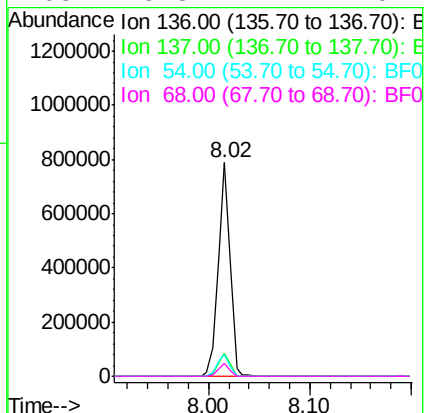
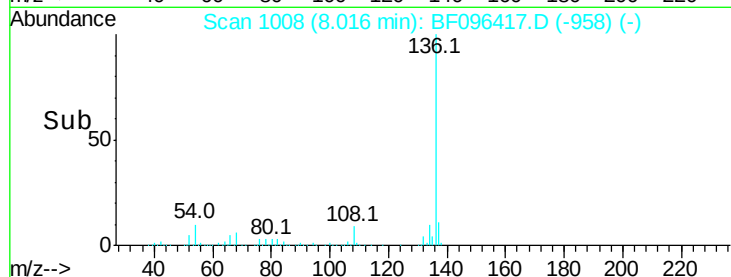
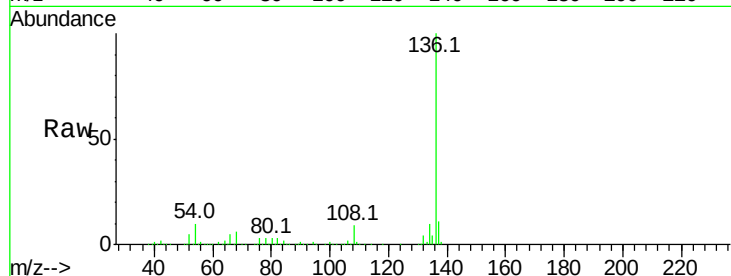
BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 640889

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 10.9 | 8.5 | 12.7 |
| 54  | 10.4 | 4.9 | 7.3# |
| 68  | 5.8  | 4.1 | 6.1  |



#23

Nitrobenzene-d5

Concen: 49.17 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

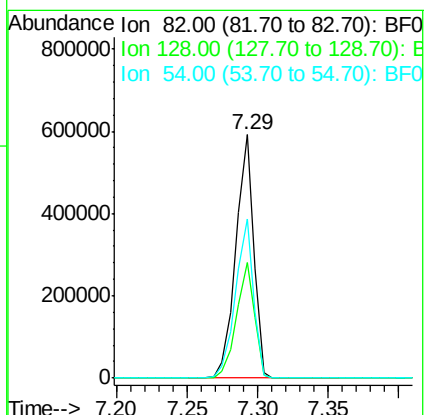
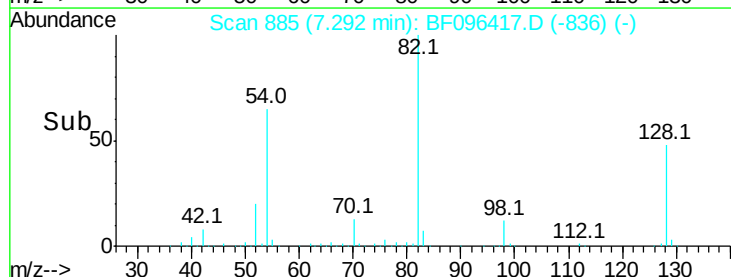
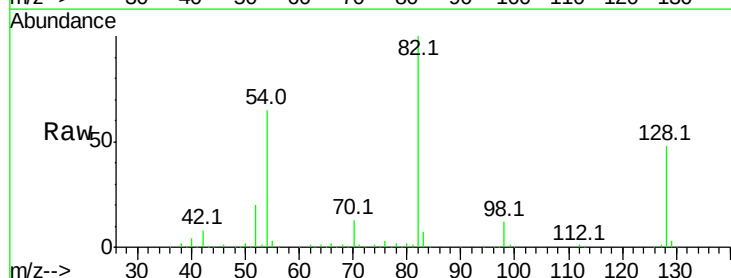
Lab File: BF096417.D

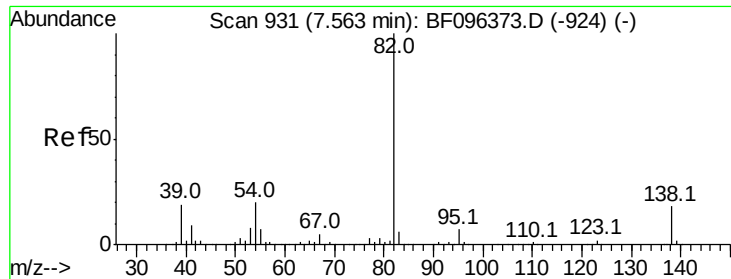
Acq: 2 Jul 2017 15:44

Tgt Ion: 82 Resp: 524409

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 82  | 100  |      |       |
| 128 | 47.7 | 34.0 | 51.0  |
| 54  | 65.2 | 42.2 | 63.2# |

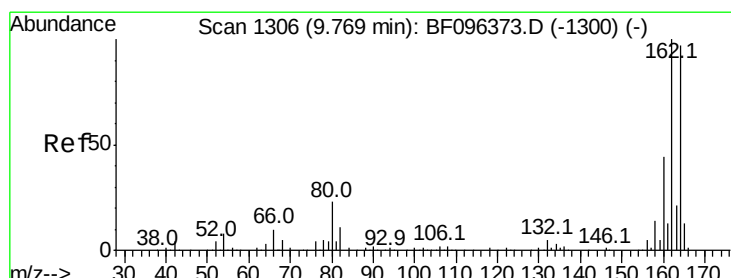
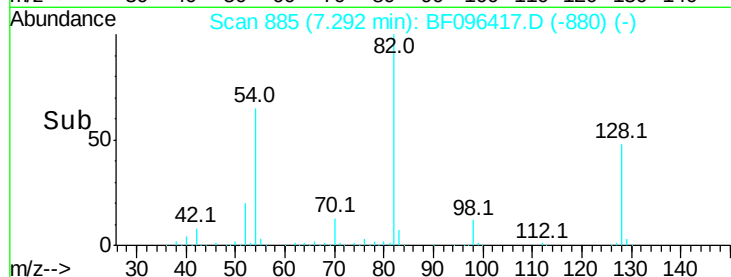
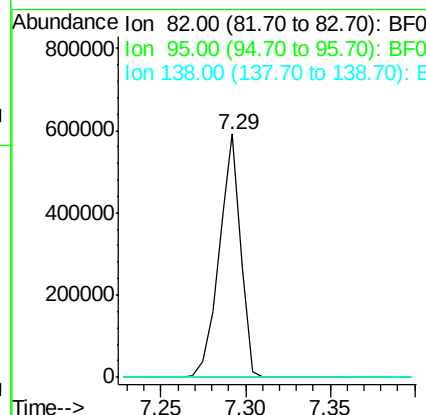
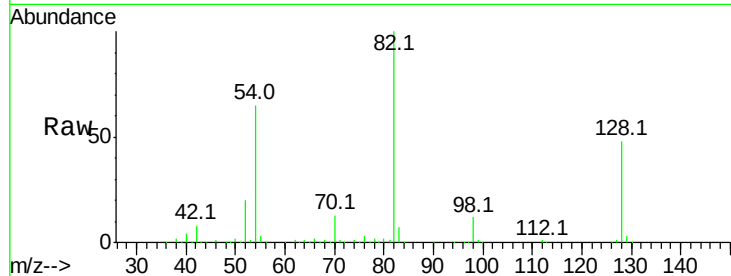




#25  
Isophorone  
Concen: 25.19 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.27 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

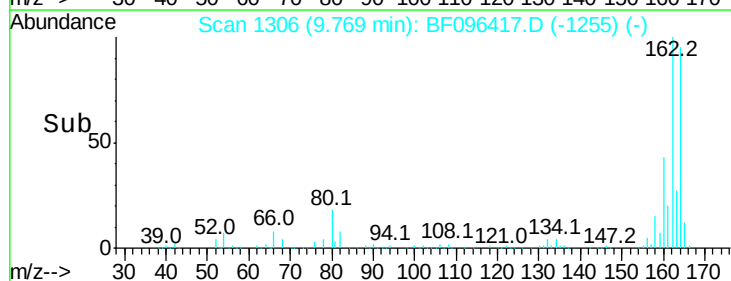
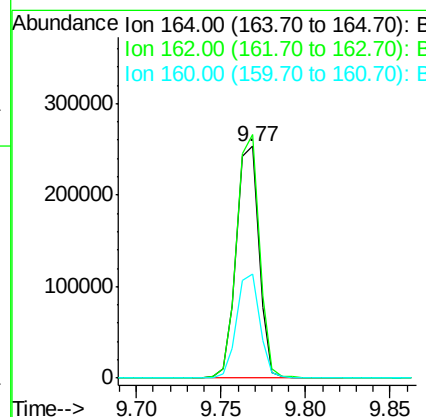
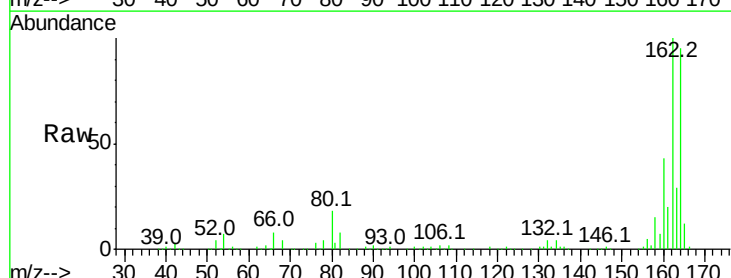
Instrument :  
BNA\_F  
ClientSampled :

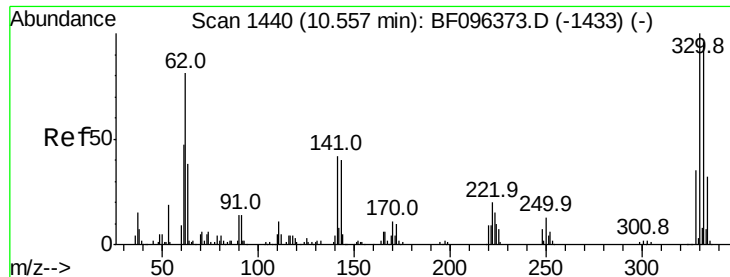
Tot Ion: 82 Resp: 520810  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.3 7.9#  
138 0.0 13.1 19.7#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Tgt Ion:164 Resp: 237137  
Ion Ratio Lower Upper  
164 100  
162 105.1 82.6 123.8  
160 44.7 36.2 54.2

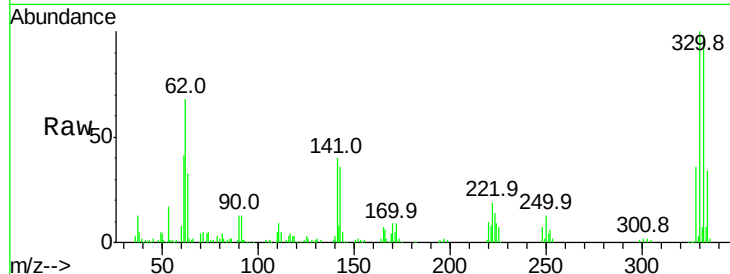




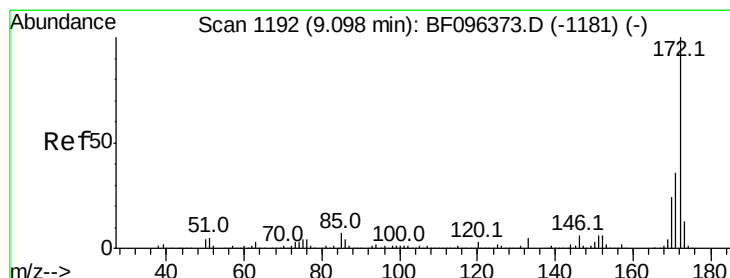
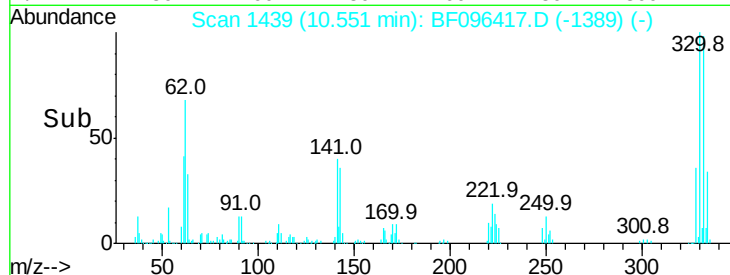
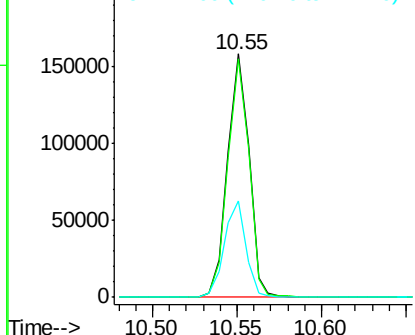
#41  
 2,4,6-Tribromophenol  
 Concen: 75.87 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF096417.D  
 Acq: 2 Jul 2017 15:44

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 140541  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 76.6 115.0  
 141 39.6 31.4 47.2

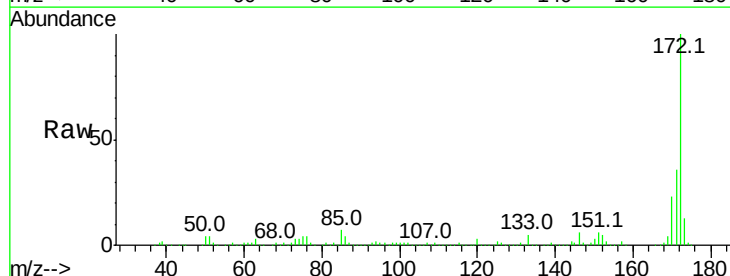


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

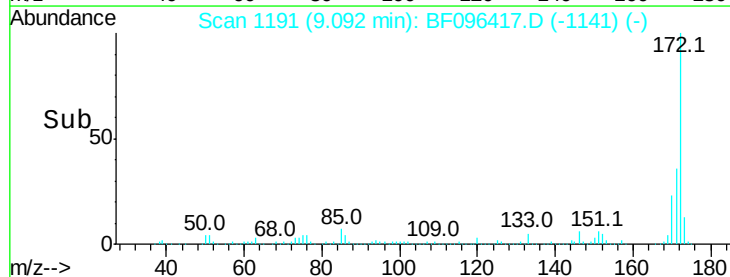
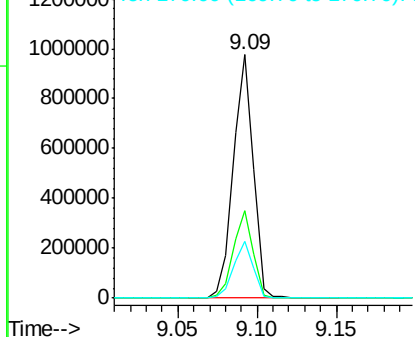


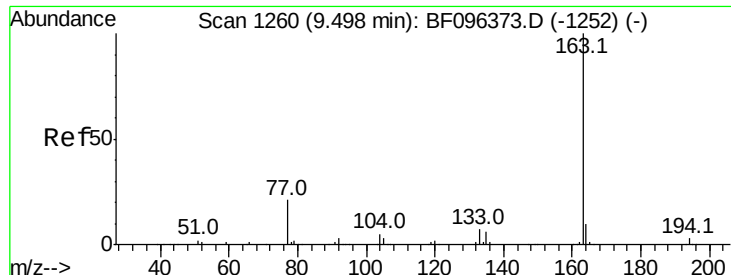
#44  
 2-Fluorobiphenyl  
 Concen: 61.56 ng  
 RT: 9.09 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF096417.D  
 Acq: 2 Jul 2017 15:44

Tgt Ion:172 Resp: 853807  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 29.6 44.4  
 170 23.4 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

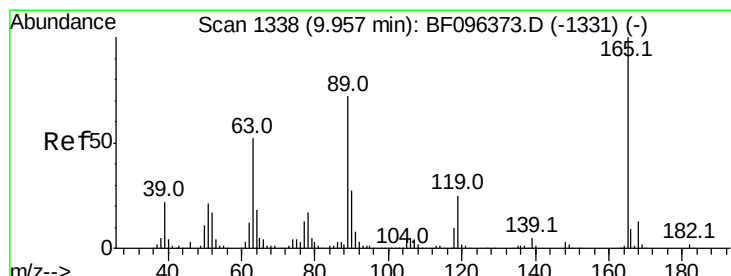
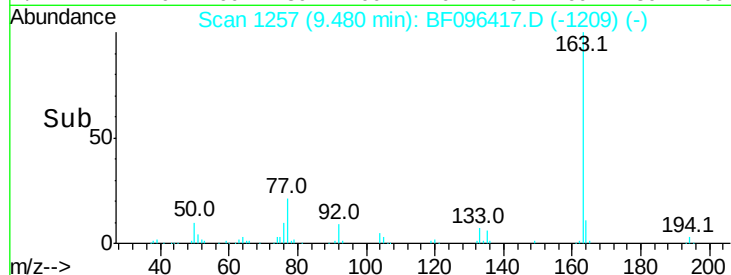
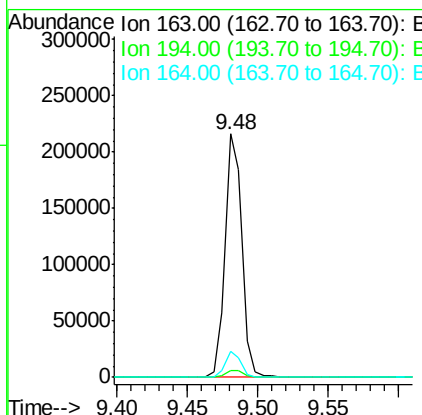
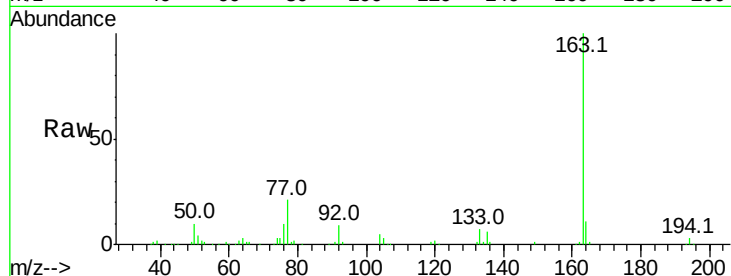




#49  
 Dimethylphthalate  
 Concen: 10.10 ng  
 RT: 9.48 min Scan# 1257  
 Delta R.T. -0.02 min  
 Lab File: BF096417.D  
 Acq: 2 Jul 2017 15:44

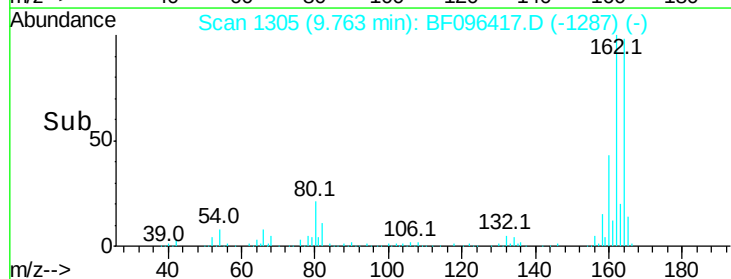
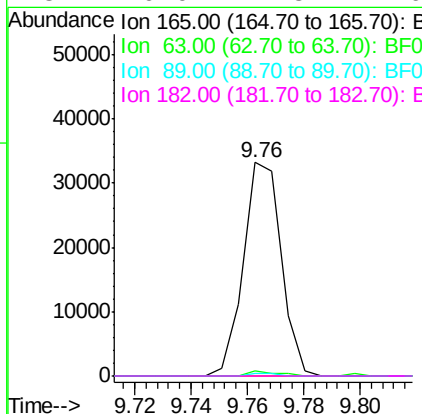
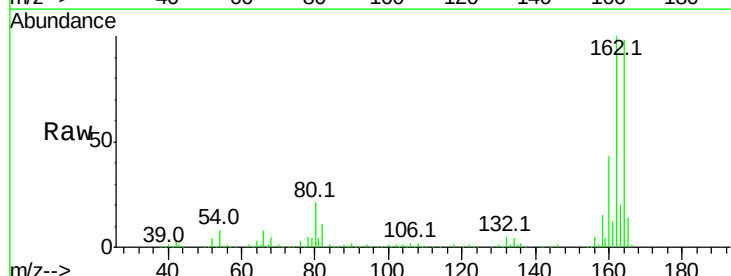
Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 163   | Resp: | 178878 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 2.8   | 2.6   | 4.0    |
| 164      | 10.6  | 8.4   | 12.6   |

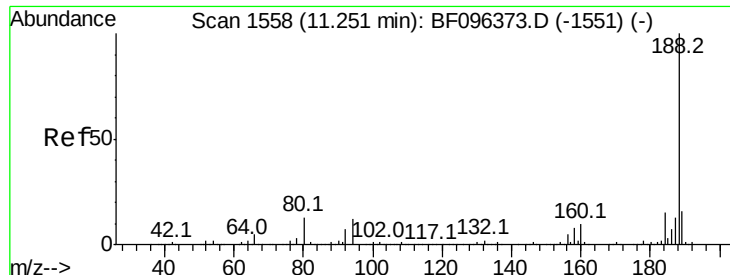


#56  
 2,4-Dinitrotoluene  
 Concen: 6.23 ng  
 RT: 9.76 min Scan# 1305  
 Delta R.T. -0.19 min  
 Lab File: BF096417.D  
 Acq: 2 Jul 2017 15:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 30860 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 2.2   | 25.4  | 38.0# |
| 89       | 1.0   | 46.4  | 69.6# |
| 182      | 0.0   | 1.8   | 2.6#  |



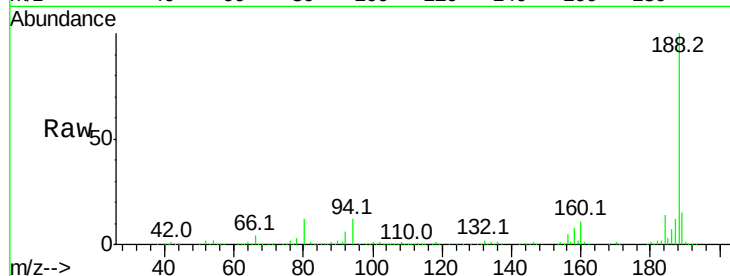




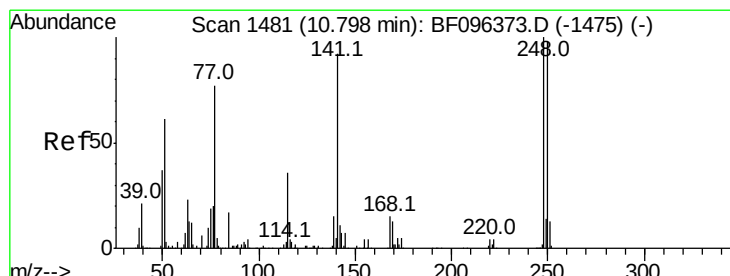
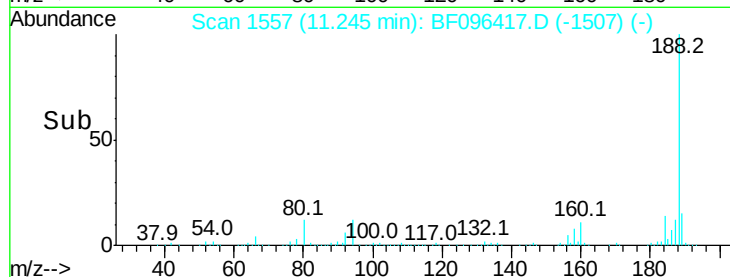
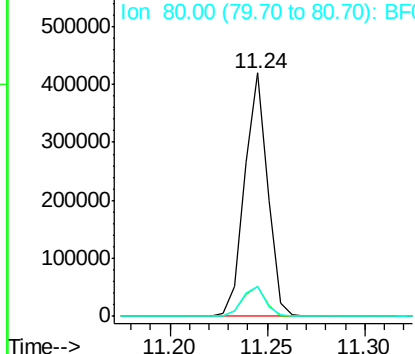
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.24 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:188 Resp: 341650  
Ion Ratio Lower Upper  
188 100  
94 12.1 9.4 14.2  
80 12.3 10.2 15.2

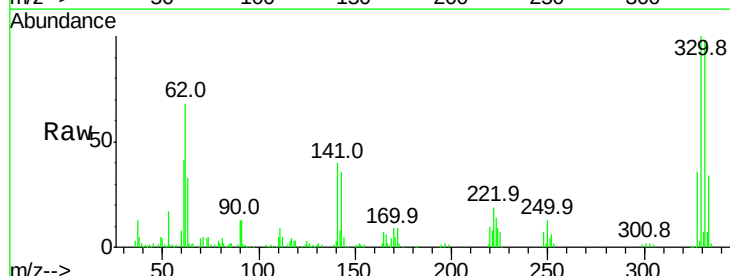


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

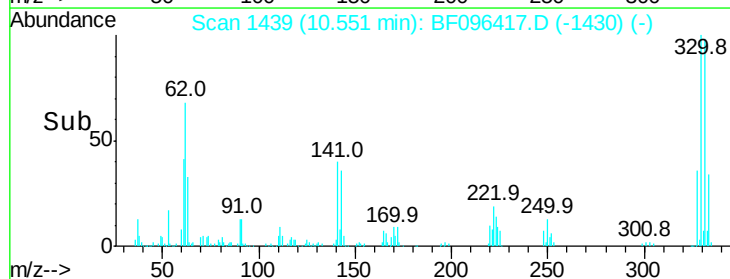
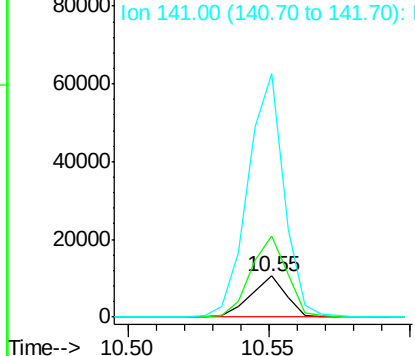


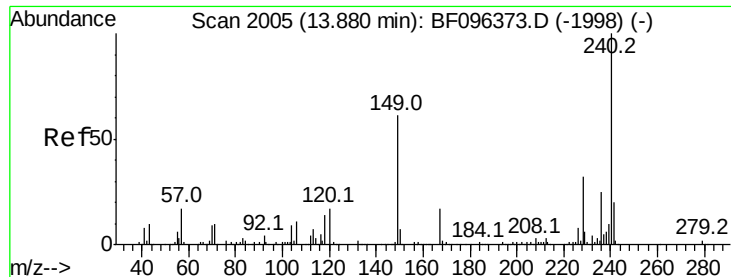
#66  
4-Bromophenyl-phenylether  
Concen: 2.74 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.25 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Tgt Ion:248 Resp: 9112  
Ion Ratio Lower Upper  
248 100  
250 196.4 76.8 115.2#  
141 589.1 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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096417.D

Acq: 2 Jul 2017 15:44

Instrument :

BNA\_F

ClientSampleId :

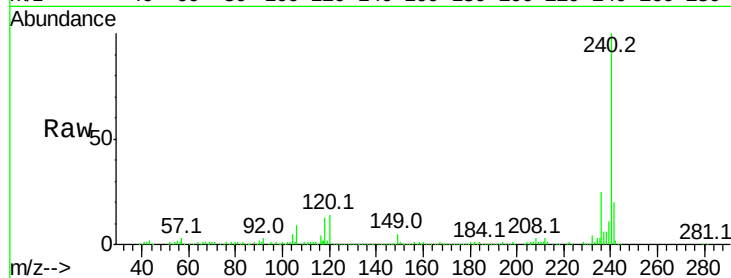
Tot Ion:240 Resp: 244273

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

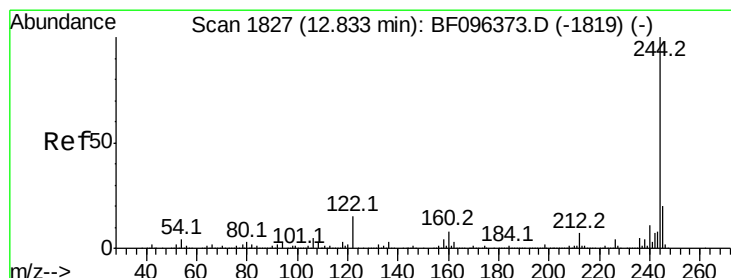
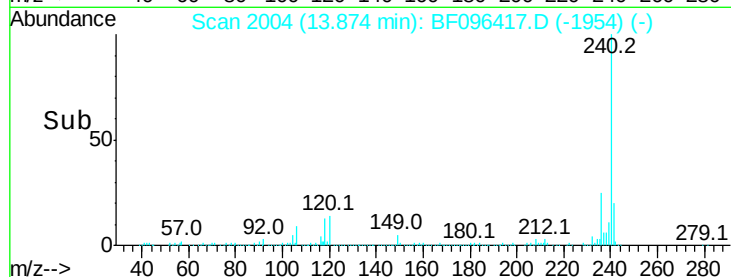
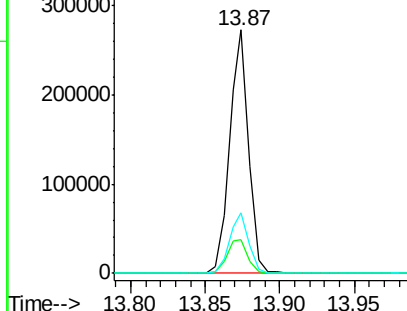
236 25.0 20.5 30.7



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: 37.10 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096417.D

Acq: 2 Jul 2017 15:44

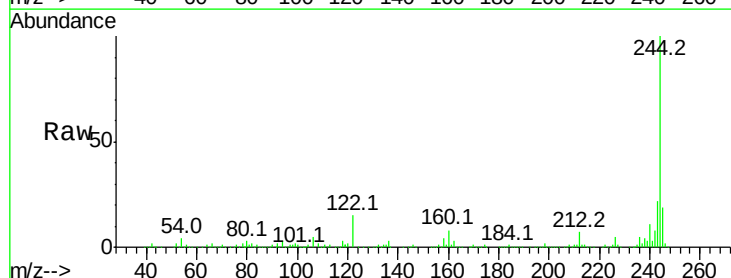
Tgt Ion:244 Resp: 424149

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

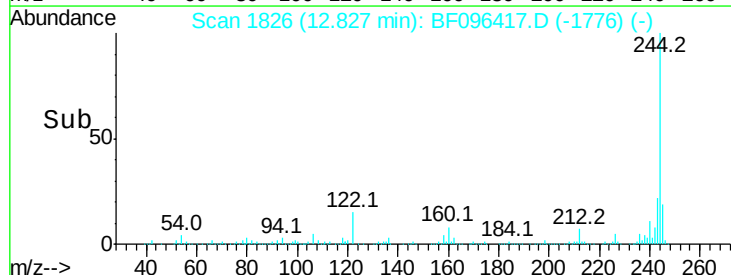
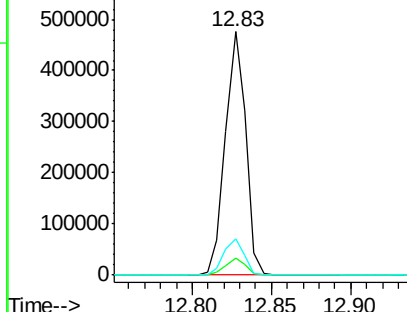
122 15.1 10.3 15.5

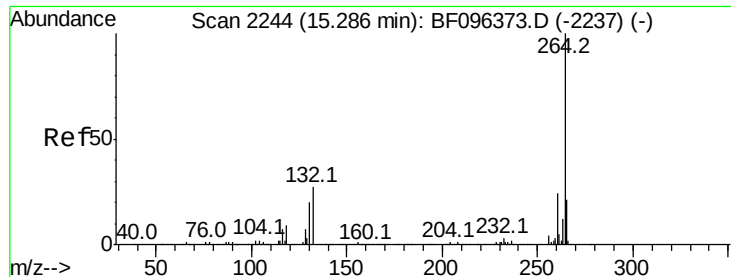


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.29 min Scan# 2244  
Delta R.T. -0.00 min  
Lab File: BF096417.D  
Acq: 2 Jul 2017 15:44

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.5  | 29.3  |
| 265     | 21.0  | 17.2  | 25.8  |

