

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070617\  
 Data File : BF096538.D  
 Acq On : 6 Jul 2017 17:32  
 Operator : SJ/MA  
 Sample : I4030-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 07 01:22:09 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 13:27:10 2017  
 Response via : Initial Calibration

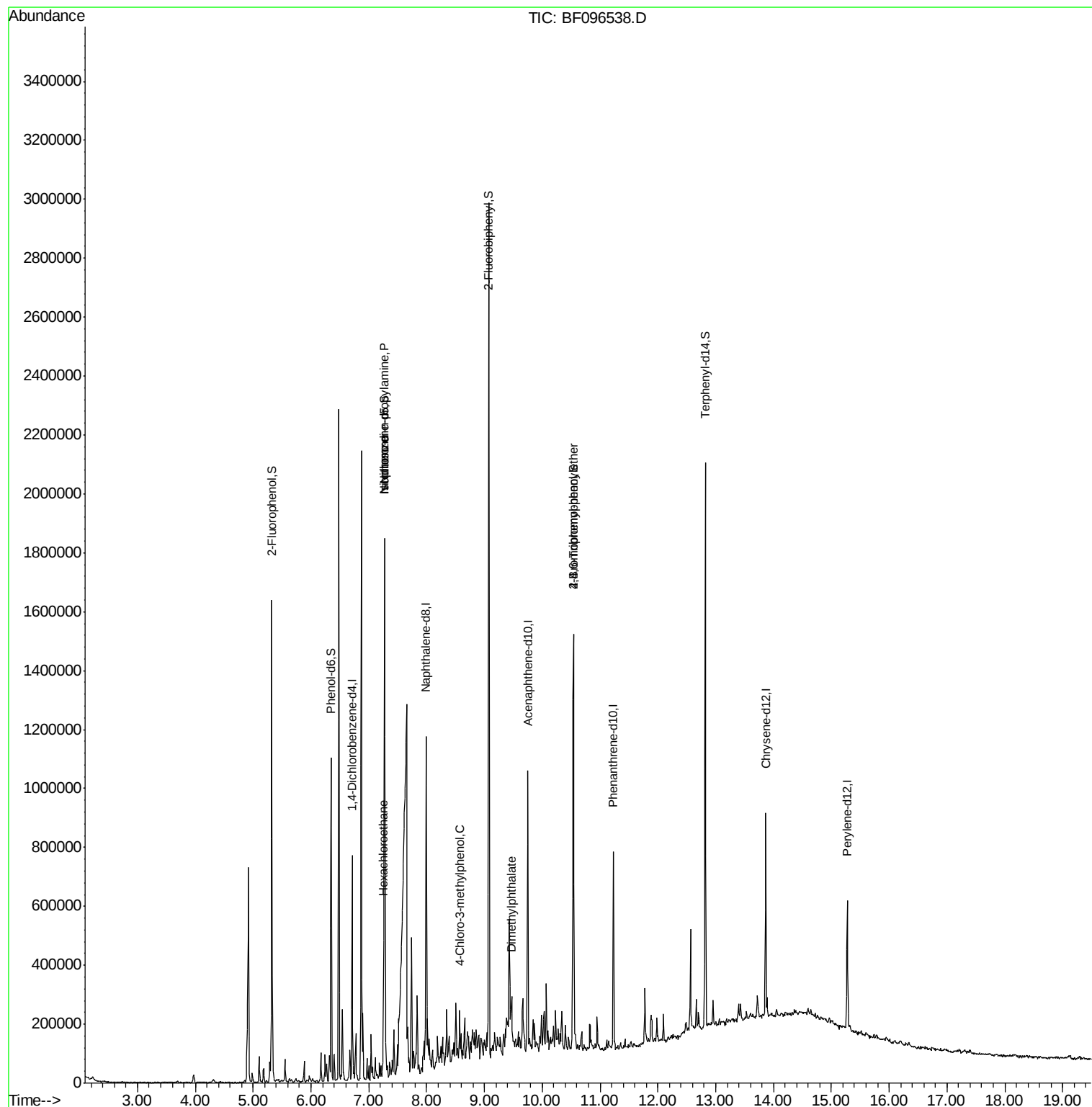
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 113801   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.99  | 136  | 443562   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.75  | 164  | 181553   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.23 | 188  | 254224   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.86 | 240  | 221084   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.27 | 264  | 189763   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 446569   | 57.92  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 335439   | 35.39  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.27  | 82   | 575701   | 77.99  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.54 | 330  | 153286   | 108.09 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.07  | 172  | 964139   | 90.80  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.82 | 244  | 622849   | 60.20  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 18) Hexachloroethane           | 7.25  | 117  | 18209    | 5.83   | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 7.27  | 70   | 77811    | 13.78  | ng    | # 88     |
| 25) Isophorone                 | 7.27  | 82   | 570951   | 39.89  | ng    | # 67     |
| 36) 4-Chloro-3-methylphenol    | 8.57  | 107  | 17500    | 2.63   | ng    | # 14     |
| 49) Dimethylphthalate          | 9.47  | 163  | 47690    | 3.52   | ng    | # 99     |
| 66) 4-Bromophenyl-phenylether  | 10.54 | 248  | 10249    | 4.14   | ng    | # 1      |

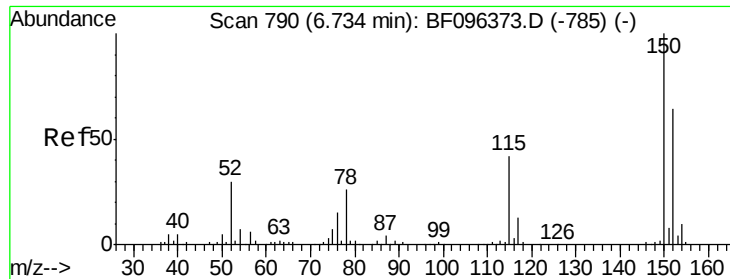
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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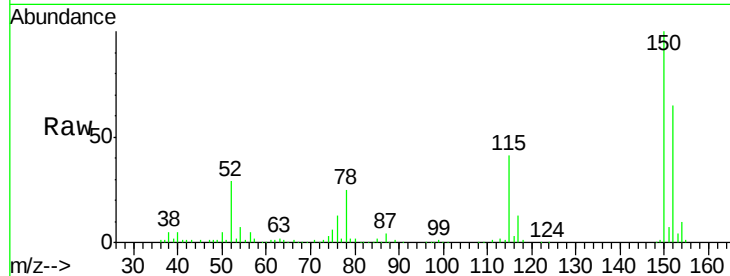


#1

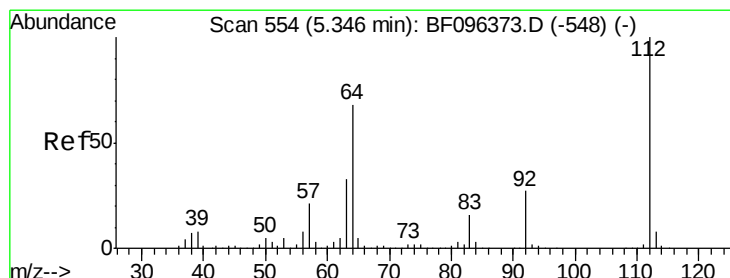
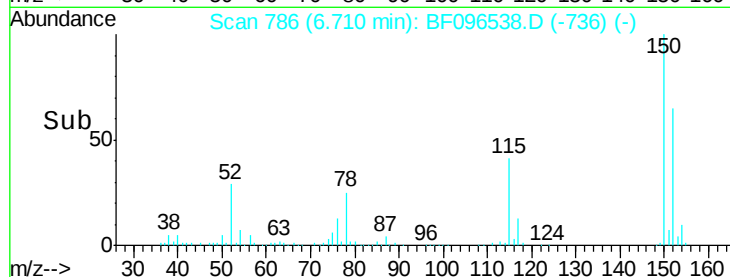
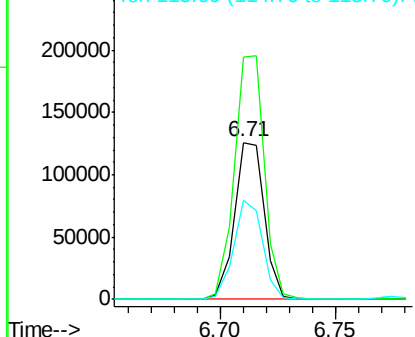
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 786  
Delta R.T. -0.01 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 113801  
Ion Ratio Lower Upper  
152 100  
150 154.3 126.2 189.2  
115 62.7 52.2 78.2



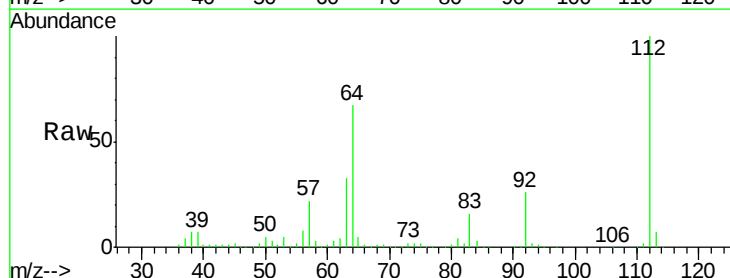
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



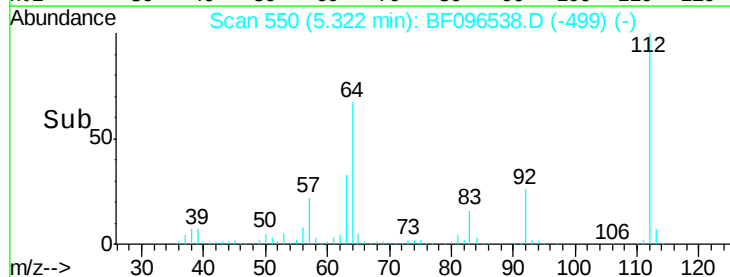
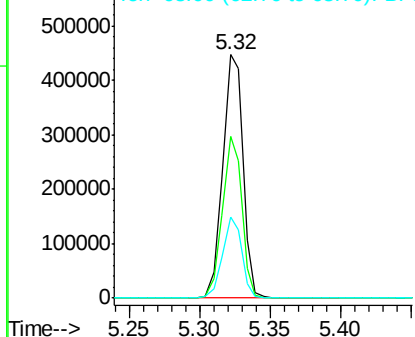
#5

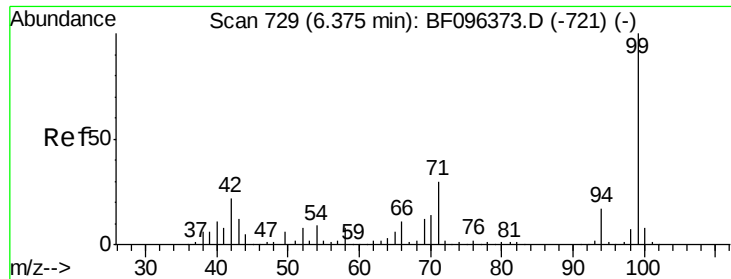
2-Fluorophenol  
Concen: 57.92 ng  
RT: 5.32 min Scan# 550  
Delta R.T. -0.00 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Tgt Ion:112 Resp: 446569  
Ion Ratio Lower Upper  
112 100  
64 66.7 46.0 69.0  
63 33.0 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: 35.39 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096538.D

Acq: 6 Jul 2017 17:32

Instrument :

BNA\_F

ClientSampleId :

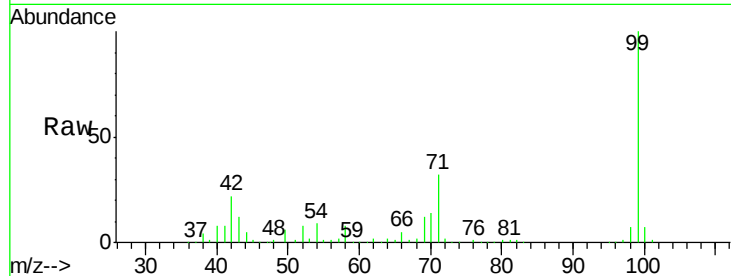
Tot Ion: 99 Resp: 335439

Ion Ratio Lower Upper

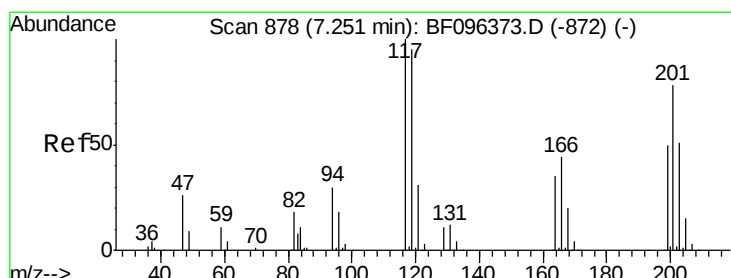
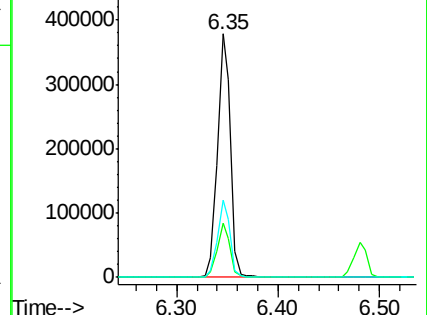
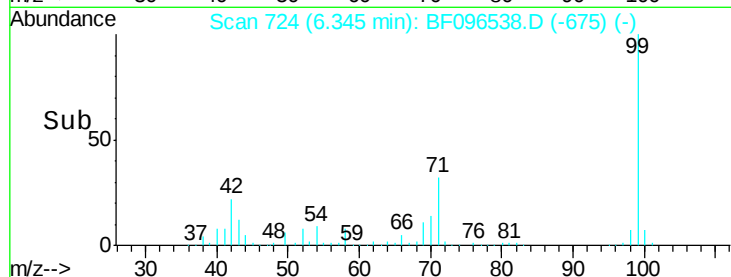
99 100

42 22.4 13.5 20.3#

71 31.8 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



#18

Hexachloroethane

Concen: 5.83 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.02 min

Lab File: BF096538.D

Acq: 6 Jul 2017 17:32

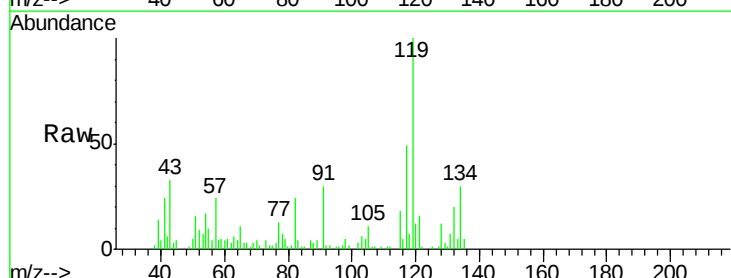
Tgt Ion: 117 Resp: 18209

Ion Ratio Lower Upper

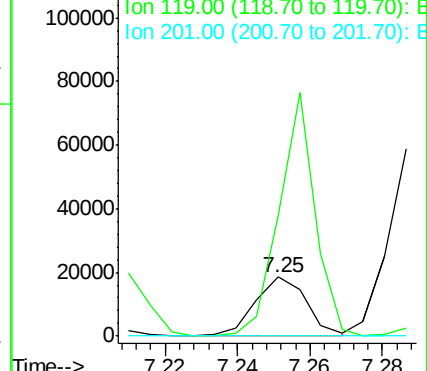
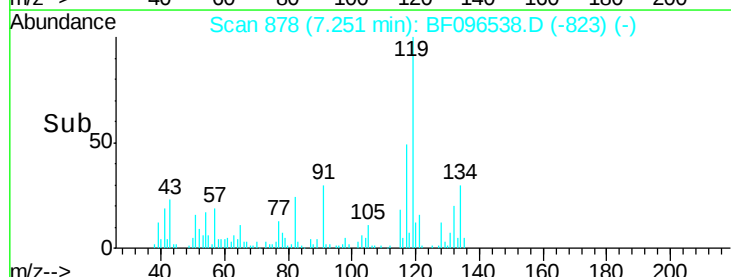
117 100

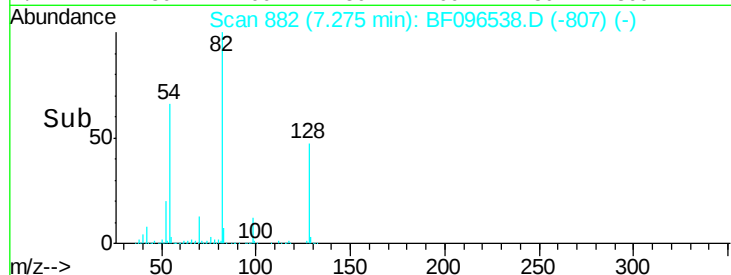
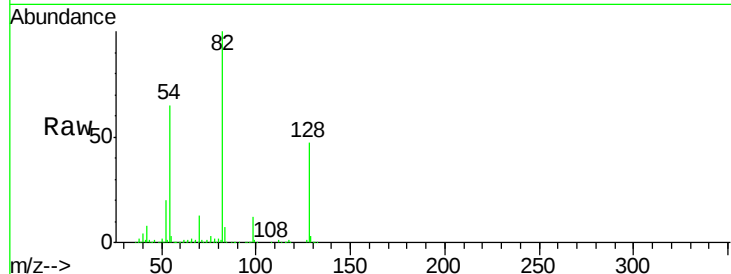
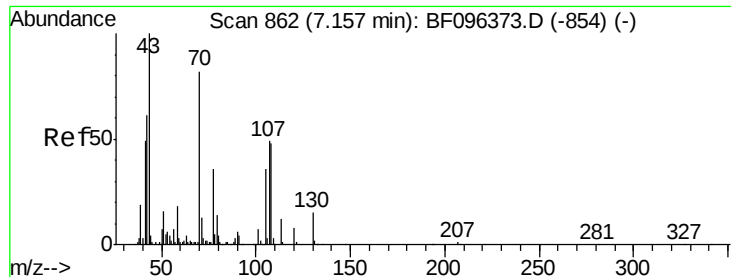
119 203.9 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

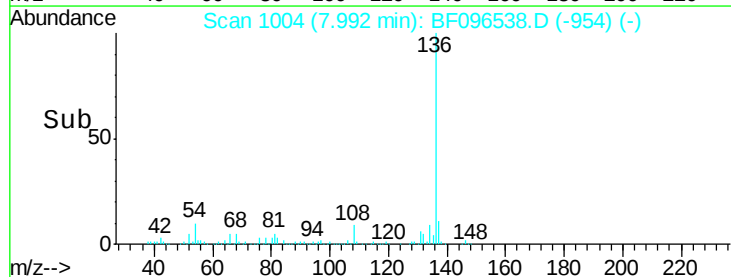
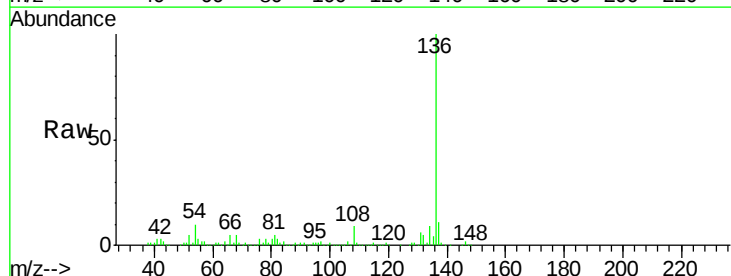
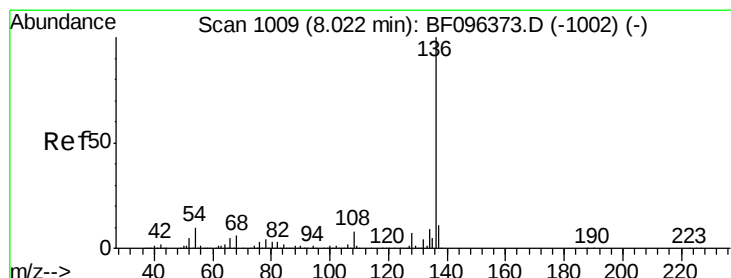
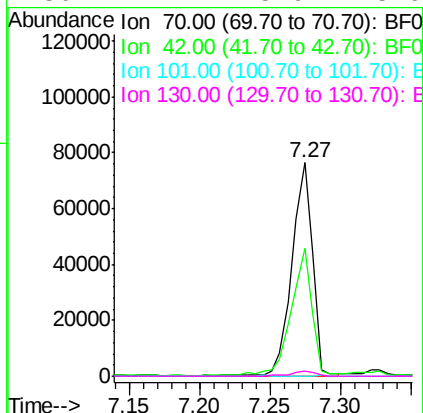




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.78 ng  
RT: 7.27 min Scan# 882  
Delta R.T. 0.14 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

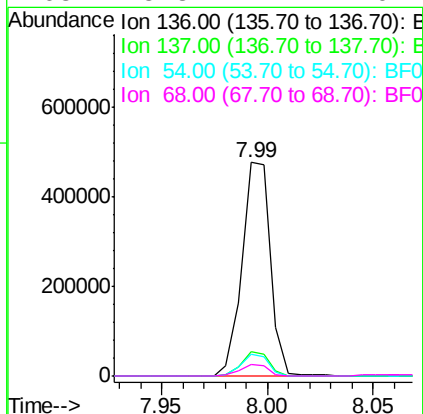
Instrument :  
BNA\_F  
ClientSampled :

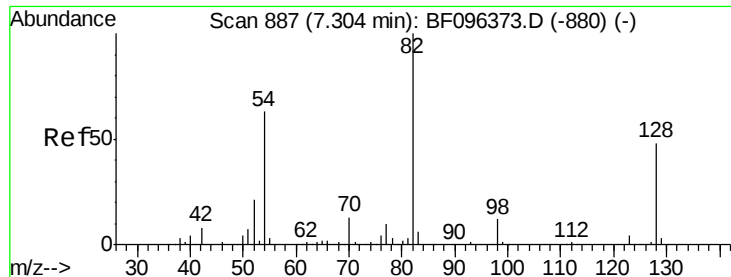
Tot Ion: 70 Resp: 77811  
Ion Ratio Lower Upper  
70 100  
42 60.2 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.4 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.99 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Tgt Ion:136 Resp: 443562  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.5 12.7  
54 10.5 4.9 7.3#  
68 5.3 4.1 6.1

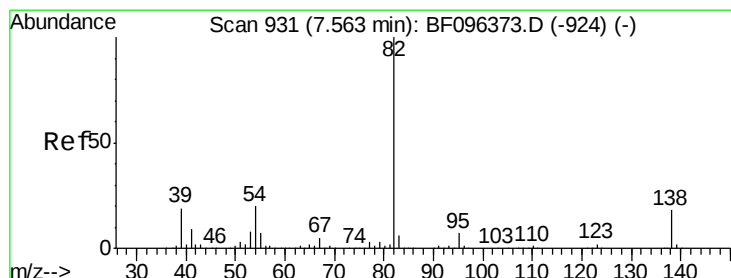
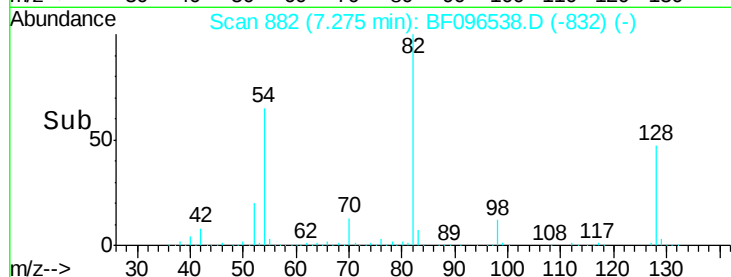
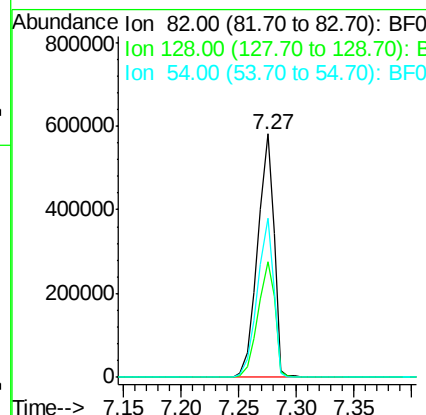
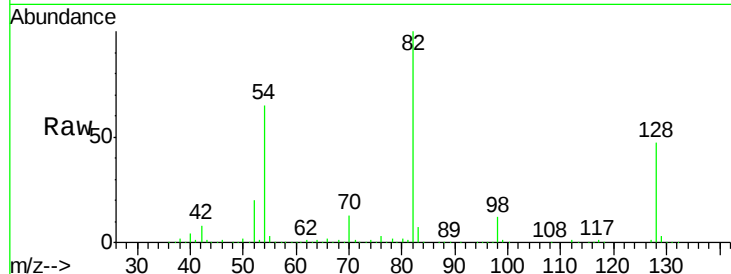




#23  
Nitrobenzene-d5  
Concen: 77.99 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

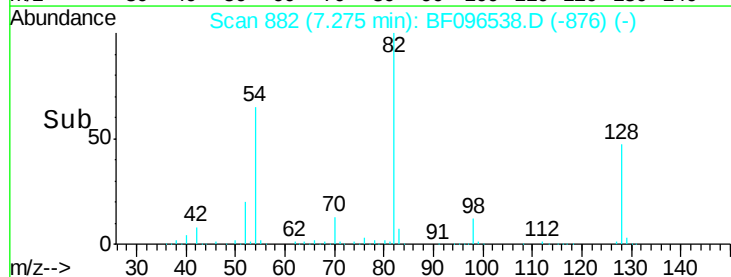
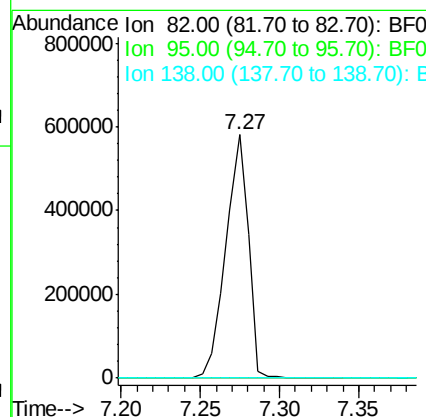
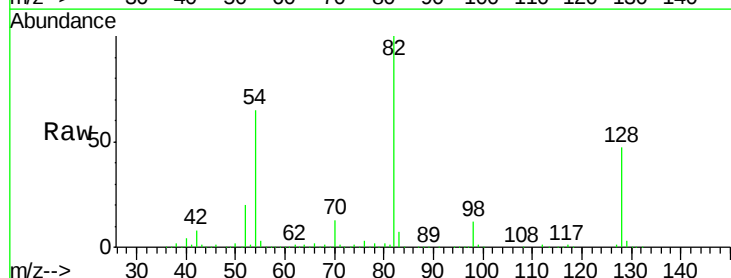
Instrument :  
BNA\_F  
ClientSampleId :

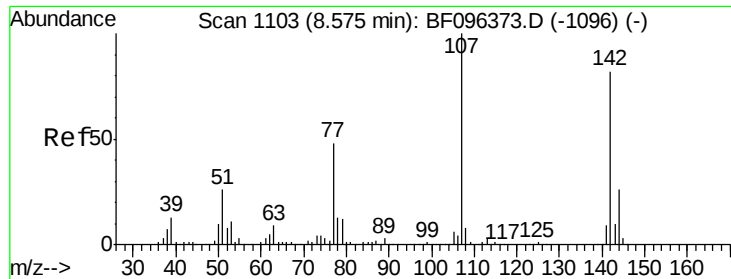
Tot Ion: 82 Resp: 575701  
Ion Ratio Lower Upper  
82 100  
128 47.3 34.0 51.0  
54 65.5 42.2 63.2#



#25  
Isophorone  
Concen: 39.89 ng  
RT: 7.27 min Scan# 882  
Delta R.T. -0.26 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Tgt Ion: 82 Resp: 570951  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.3 7.9#  
138 0.0 13.1 19.7#

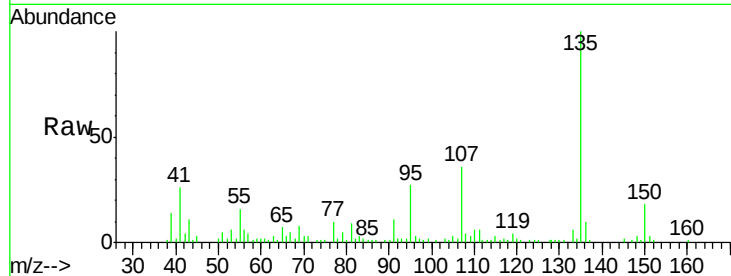




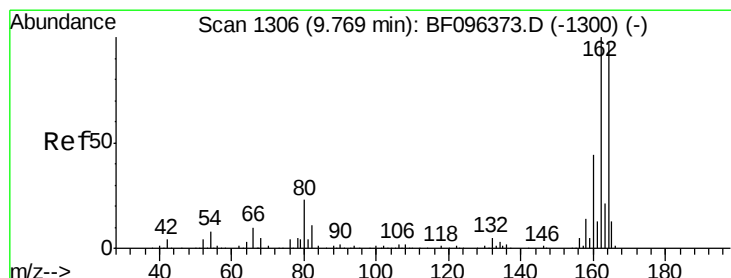
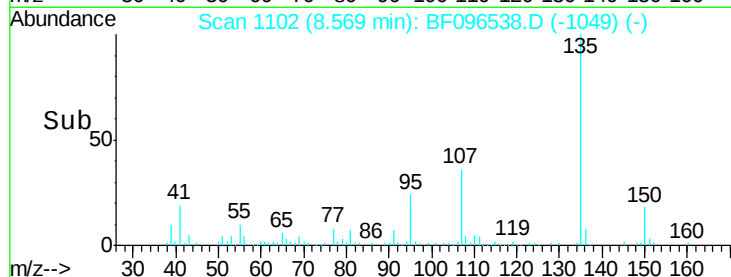
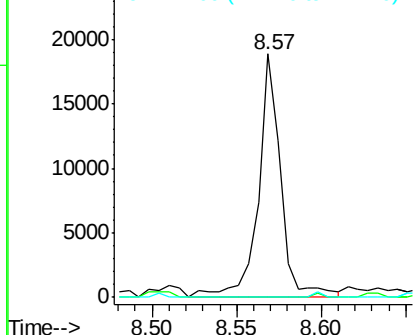
#36  
 4-Chloro-3-methylphenol  
 Concen: 2.63 ng  
 RT: 8.57 min Scan# 1102  
 Delta R.T. 0.01 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:107 Resp: 17500  
 Ion Ratio Lower Upper  
 107 100  
 144 0.0 24.2 36.4#  
 142 0.0 73.4 110.0#

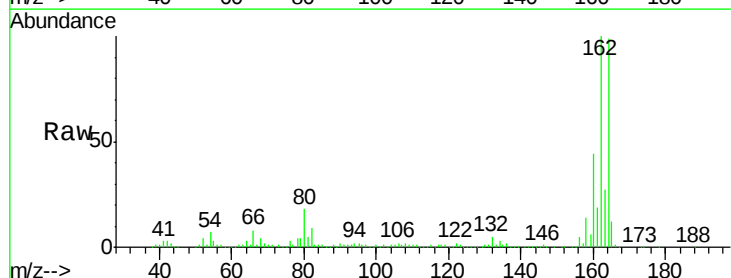


Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E

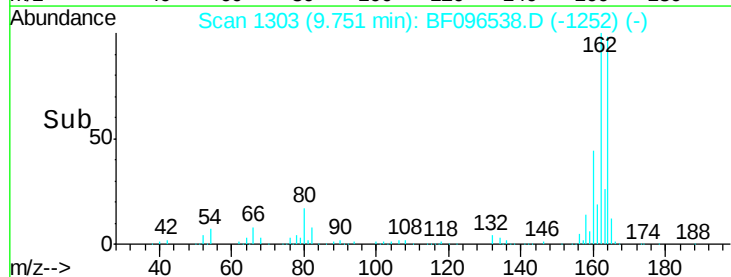
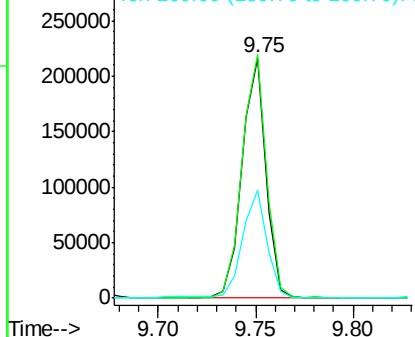


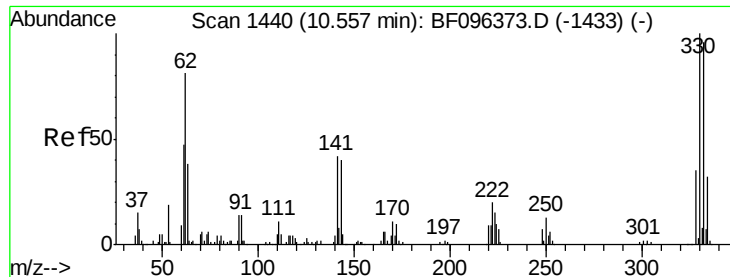
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.75 min Scan# 1303  
 Delta R.T. -0.00 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

Tgt Ion:164 Resp: 181553  
 Ion Ratio Lower Upper  
 164 100  
 162 101.4 82.6 123.8  
 160 44.8 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

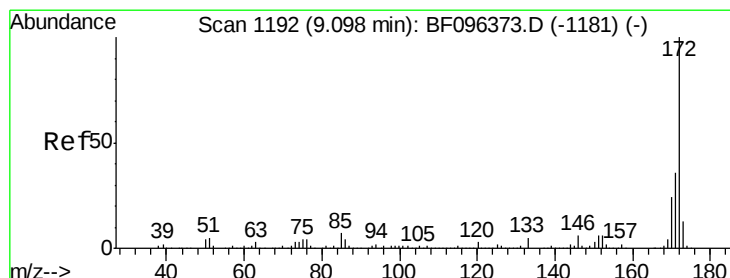
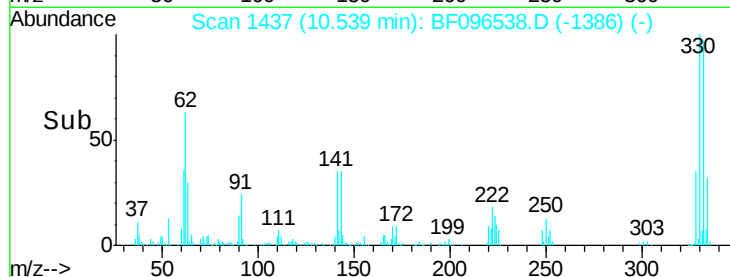
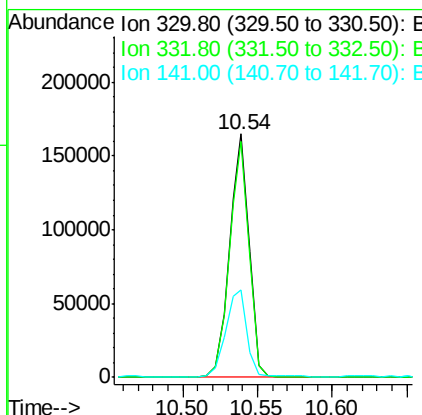
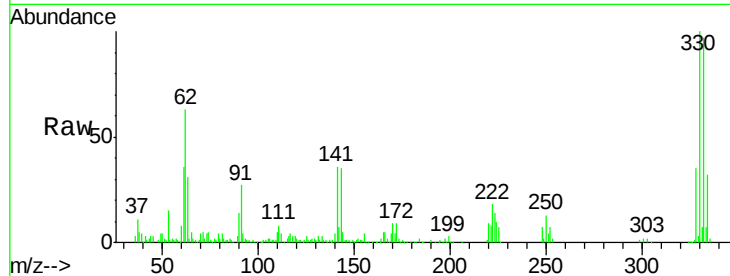




#41  
 2,4,6-Tribromophenol  
 Concen: 108.09 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.00 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

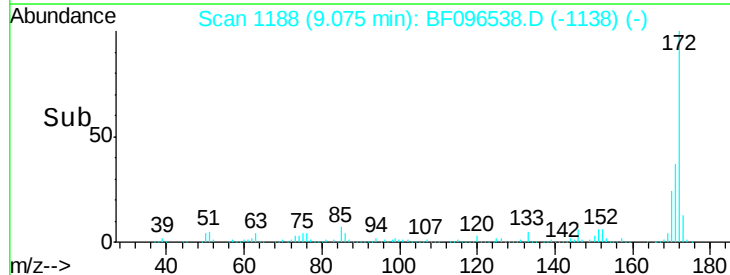
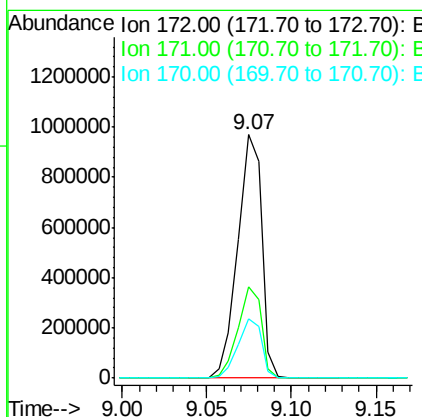
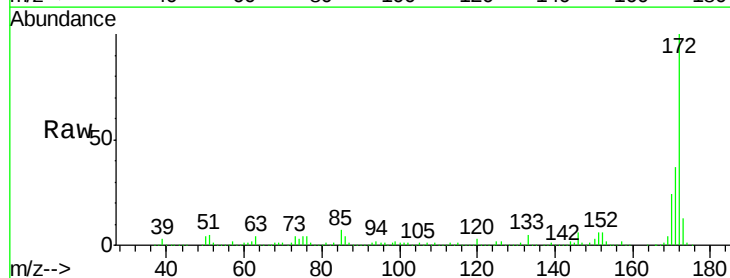
Instrument :  
 BNA\_F  
 ClientSampled :

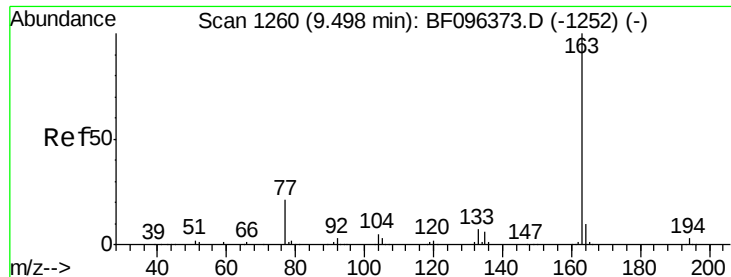
Tot Ion:330 Resp: 153286  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.6 115.0  
 141 38.6 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 90.80 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

Tgt Ion:172 Resp: 964139  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 29.6 44.4  
 170 24.1 19.8 29.8

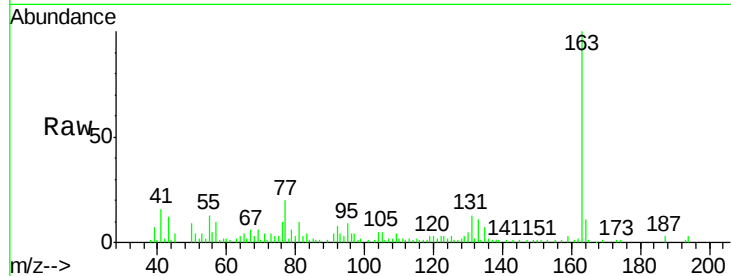




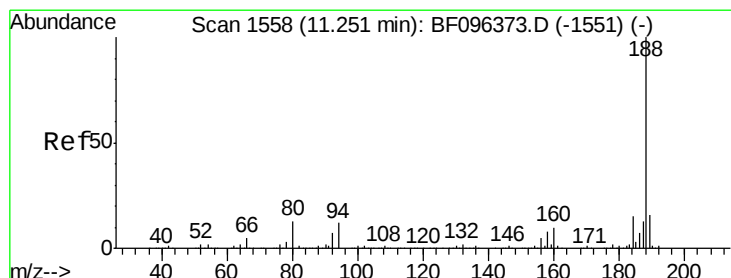
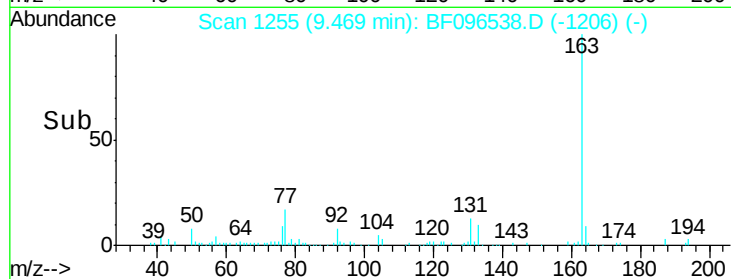
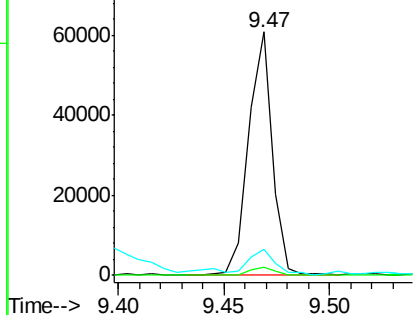
#49  
 Dimethylphthalate  
 Concen: 3.52 ng  
 RT: 9.47 min Scan# 1255  
 Delta R.T. -0.01 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 163  | Resp  | 47690 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 163       | 100  |       |       |
| 194       | 3.4  | 2.6   | 4.0   |
| 164       | 10.7 | 8.4   | 12.6  |

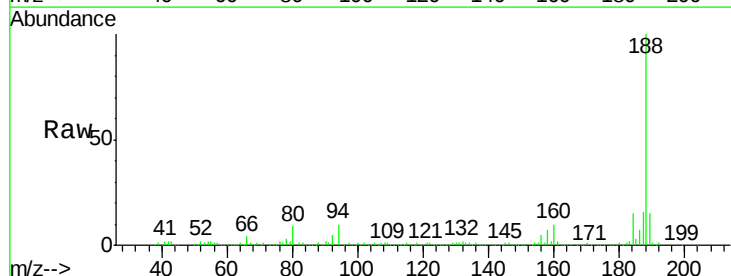


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

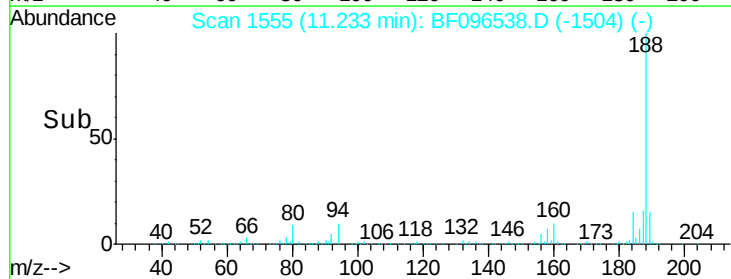
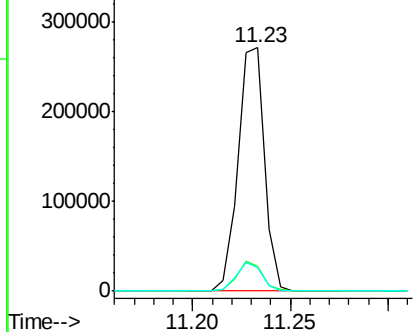


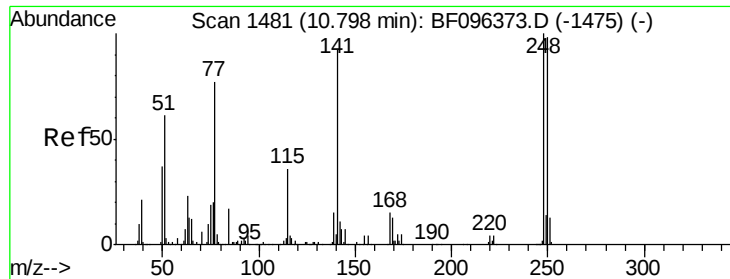
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.23 min Scan# 1555  
 Delta R.T. -0.00 min  
 Lab File: BF096538.D  
 Acq: 6 Jul 2017 17:32

| Tgt Ion   | 188  | Resp  | 254224 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 188       | 100  |       |        |
| 94        | 10.4 | 9.4   | 14.2   |
| 80        | 9.5  | 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

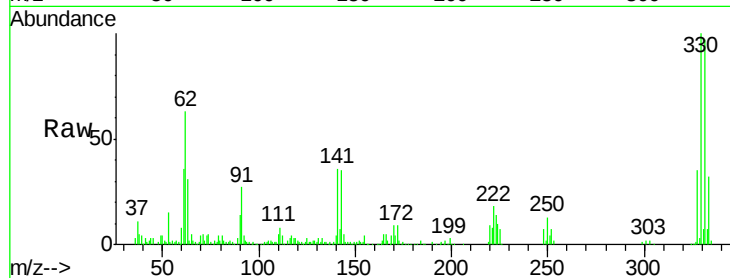




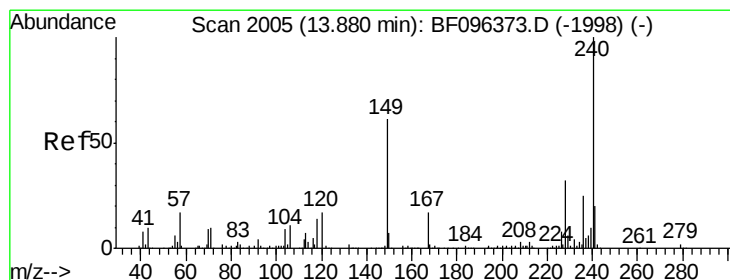
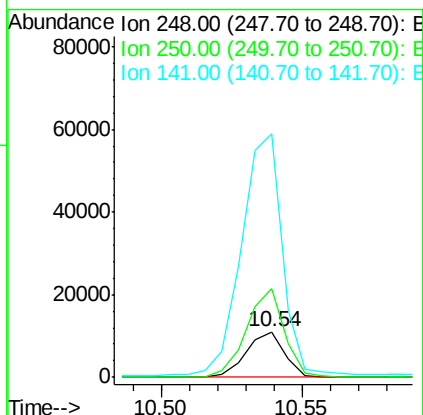
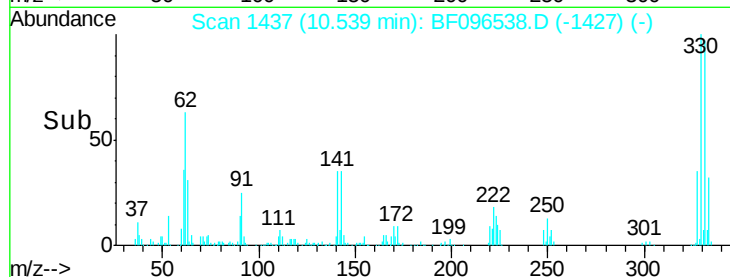
#66  
4-Bromophenyl-phenylether  
Concen: 4.14 ng  
RT: 10.54 min Scan# 1437  
Delta R.T. -0.24 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 10249  
Ion Ratio Lower Upper  
248 100  
250 195.3 76.8 115.2#  
141 537.4 68.6 103.0#

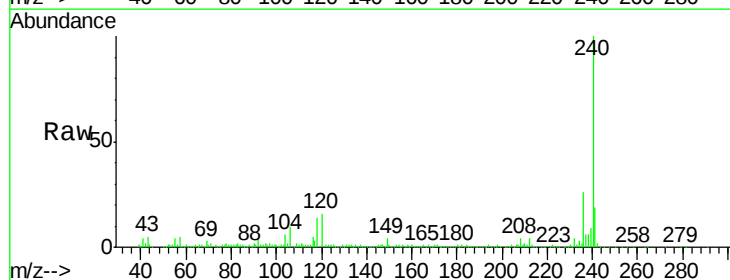


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

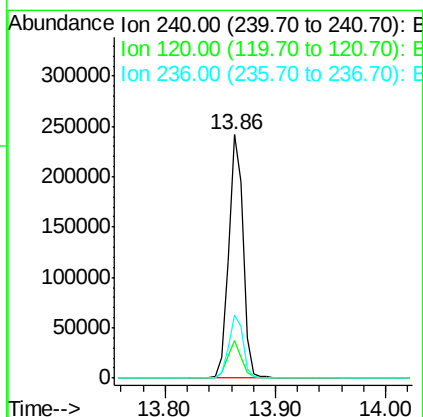
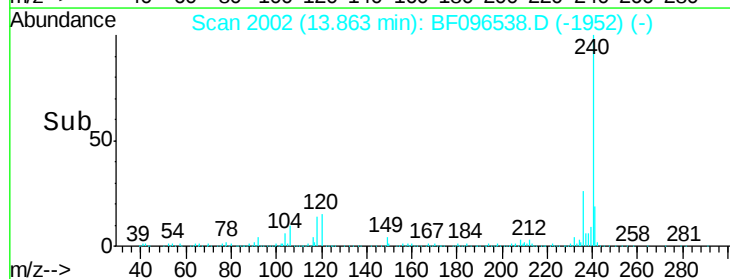


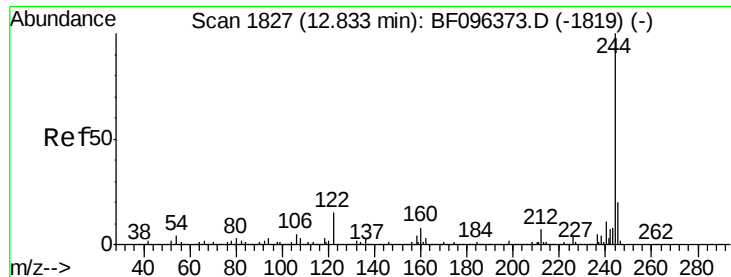
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.86 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF096538.D  
Acq: 6 Jul 2017 17:32

Tgt Ion:240 Resp: 221084  
Ion Ratio Lower Upper  
240 100  
120 15.6 5.8 8.8#  
236 25.8 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: 60.20 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF096538.D

Acq: 6 Jul 2017 17:32

Instrument :

BNA\_F

ClientSampleId :

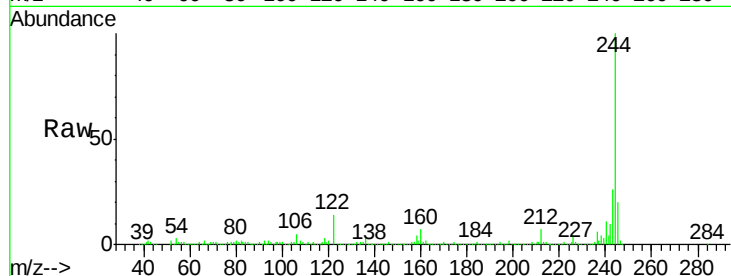
Tot Ion:244 Resp: 622849

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

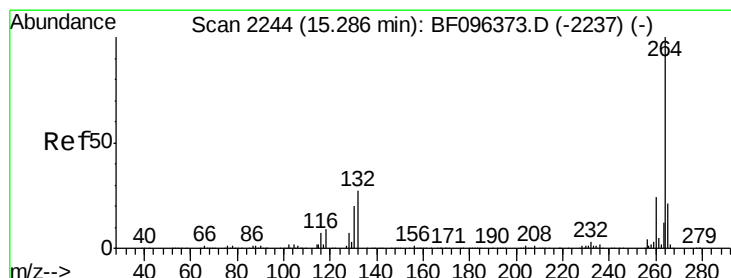
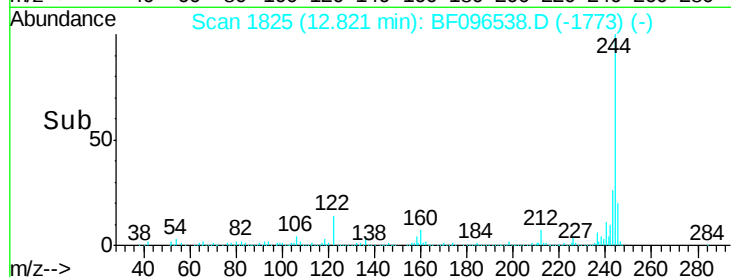
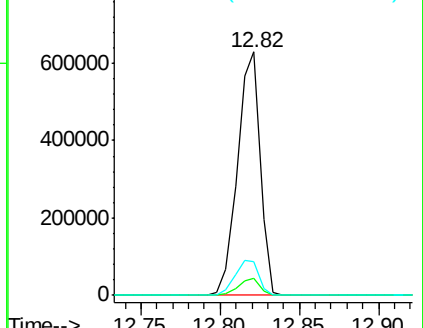
122 13.8 10.3 15.5



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: 20.00 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.00 min

Lab File: BF096538.D

Acq: 6 Jul 2017 17:32

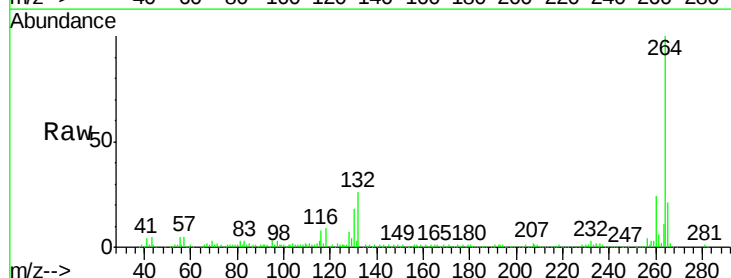
Tgt Ion:264 Resp: 189763

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 20.8 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

