

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\  
 Data File : BF097381.D  
 Acq On : 5 Aug 2017 3:37  
 Operator : SJ/JU  
 Sample : I4586-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 05 06:34:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 04 01:17:22 2017  
 Response via : Initial Calibration

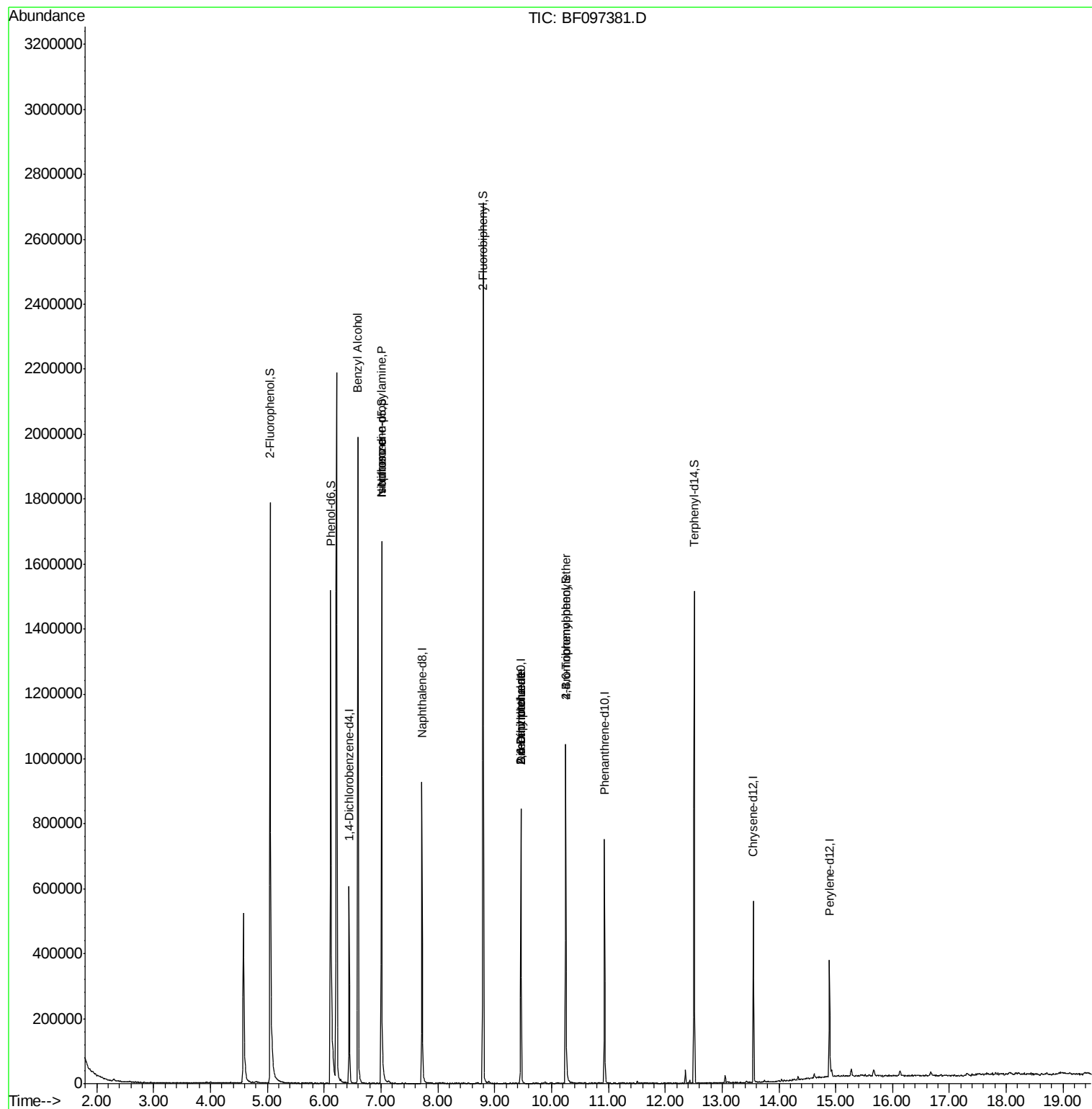
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.44  | 152  | 91885    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8             | 7.72  | 136  | 437217   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10           | 9.46  | 164  | 176831   | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10           | 10.93 | 188  | 258220   | 20.00  | ng    | -0.07    |
| 75) Chrysene-d12               | 13.55 | 240  | 181777   | 20.00  | ng    | -0.08    |
| 86) Perylene-d12               | 14.89 | 264  | 139516   | 20.00  | ng    | -0.08    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.05  | 112  | 629723   | 103.31 | ng    | -0.05    |
| 7) Phenol-d6                   | 6.11  | 99   | 672689   | 96.67  | ng    | -0.06    |
| 23) Nitrobenzene-d5            | 7.01  | 82   | 516495   | 69.30  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 10.25 | 330  | 119601   | 85.60  | ng    | -0.07    |
| 44) 2-Fluorobiphenyl           | 8.80  | 172  | 875468   | 84.02  | ng    | -0.07    |
| 78) Terphenyl-d14              | 12.51 | 244  | 451499   | 50.64  | ng    | -0.08    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.59  | 79   | 9429     | 2.14   | ng    | # 44     |
| 19) n-Nitroso-di-n-propylamine | 7.01  | 70   | 69843    | 15.25  | ng    | # 86     |
| 25) Isophorone                 | 7.01  | 82   | 502588   | 34.43  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.46  | 163  | 51574    | 3.84   | ng    | # 1      |
| 50) 2,6-Dinitrotoluene         | 9.46  | 165  | 22297    | 7.83   | ng    | # 33     |
| 56) 2,4-Dinitrotoluene         | 9.46  | 165  | 22297    | 6.81   | ng    | # 32     |
| 66) 4-Bromophenyl-phenylether  | 10.25 | 248  | 7670     | 2.98   | ng    | # 1      |

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

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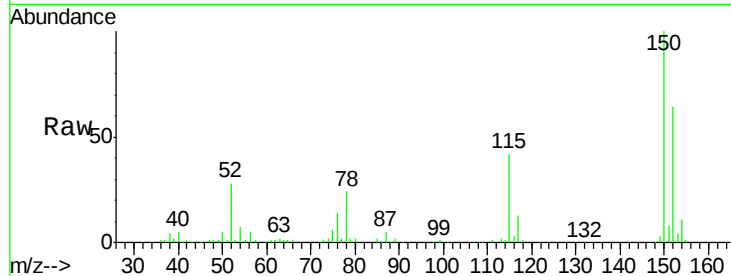


#1

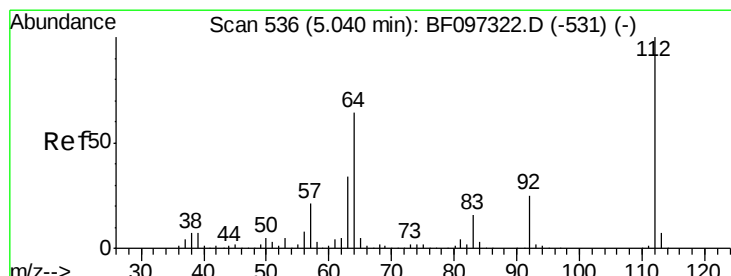
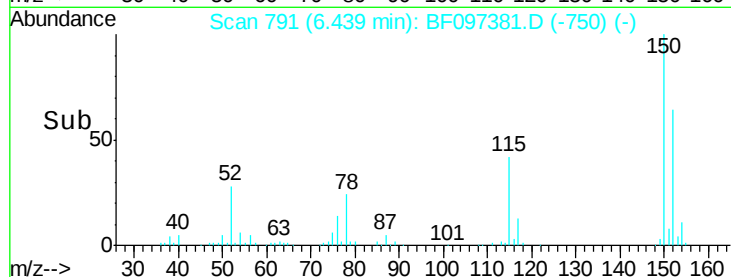
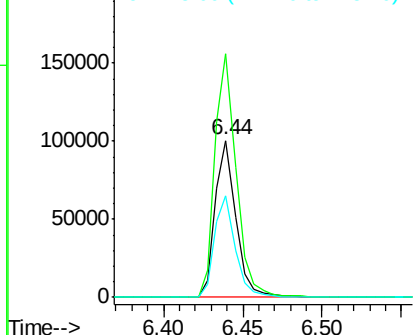
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.44 min Scan# 791  
Delta R.T. -0.06 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 91885  
Ion Ratio Lower Upper  
152 100  
150 155.2 126.2 189.2  
115 64.5 52.2 78.2



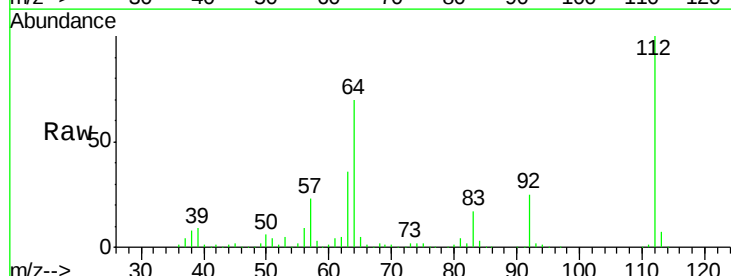
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



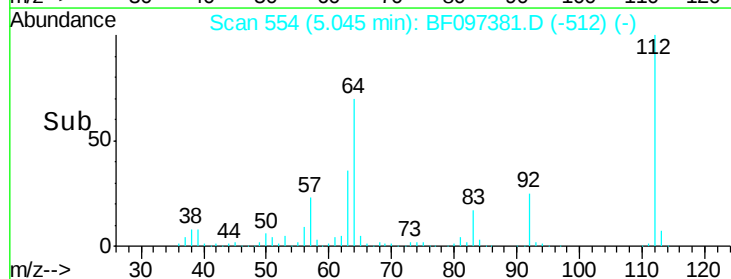
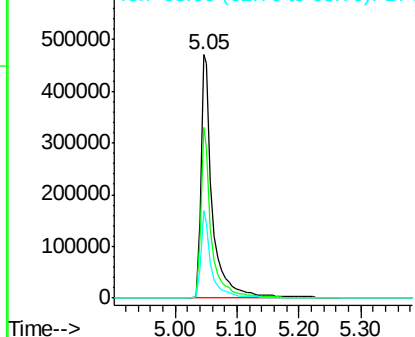
#5

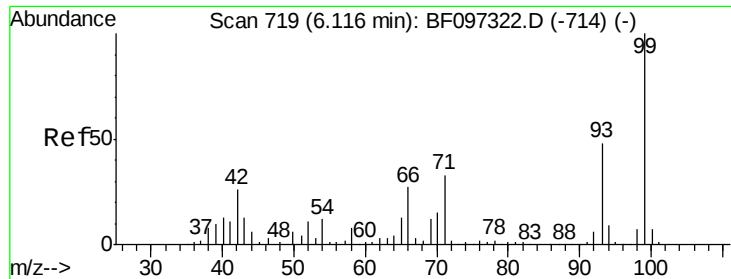
2-Fluorophenol  
Concen: 103.31 ng  
RT: 5.05 min Scan# 554  
Delta R.T. -0.05 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Tgt Ion:112 Resp: 629723  
Ion Ratio Lower Upper  
112 100  
64 70.2 46.0 69.0#  
63 35.7 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: 96.67 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA\_F

ClientSampleId :

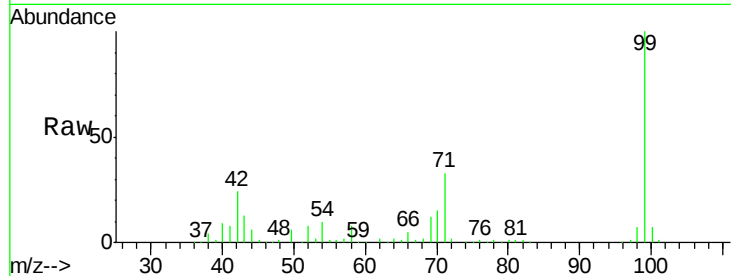
Tot Ion: 99 Resp: 672689

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

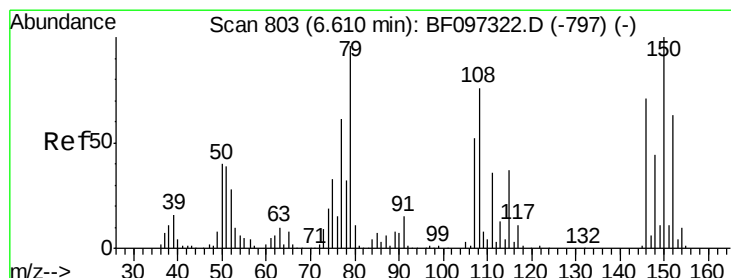
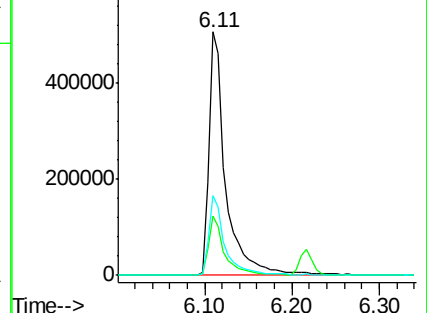
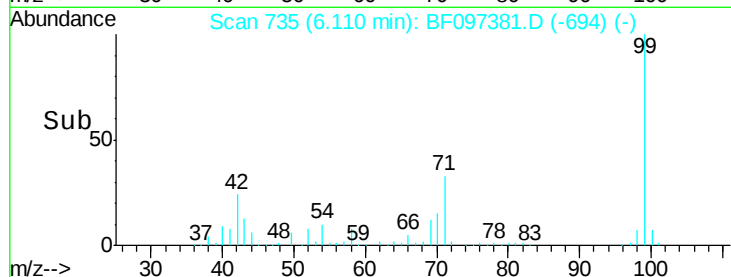
71 32.8 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.59 min Scan# 817

Delta R.T. -0.07 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

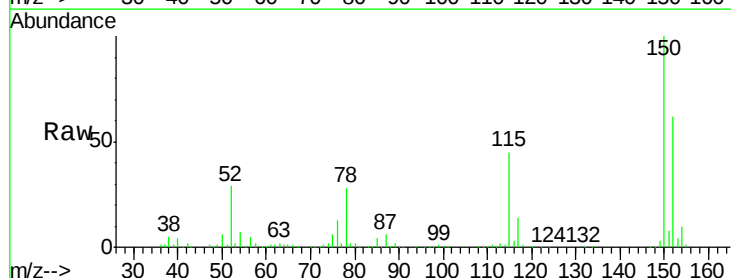
Tgt Ion: 79 Resp: 9429

Ion Ratio Lower Upper

79 100

108 21.8 63.4 95.0#

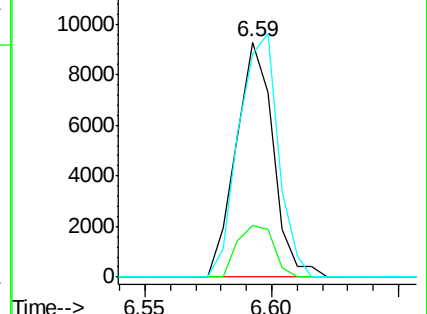
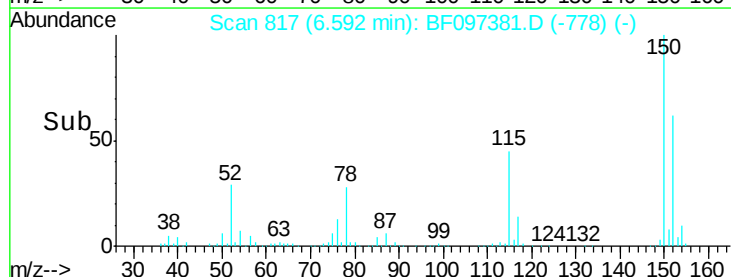
77 95.1 49.2 73.8#

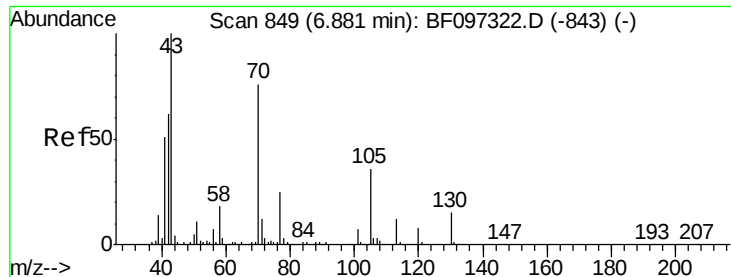


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

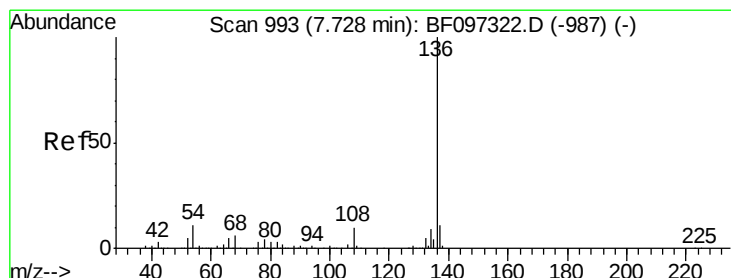
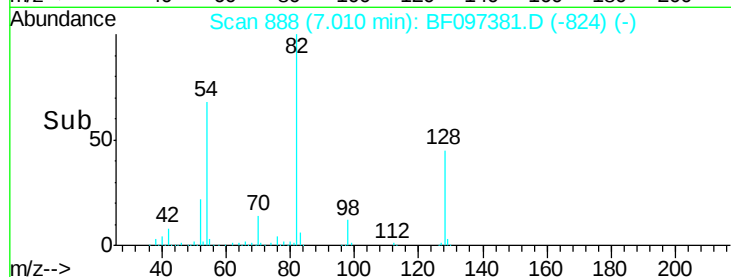
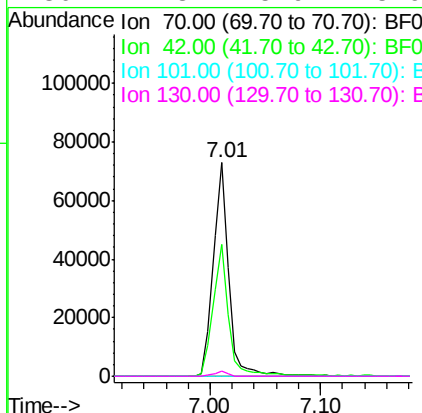
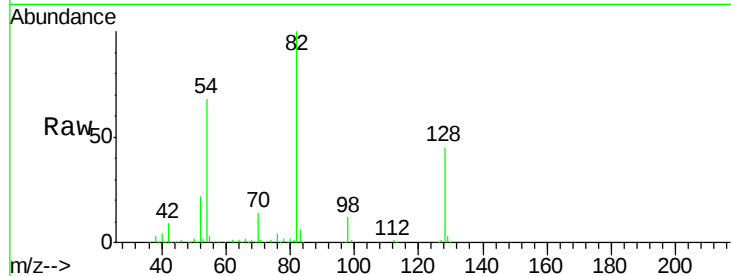




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.25 ng  
RT: 7.01 min Scan# 888  
Delta R.T. 0.08 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

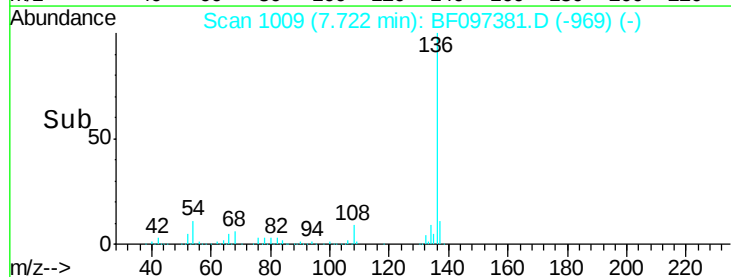
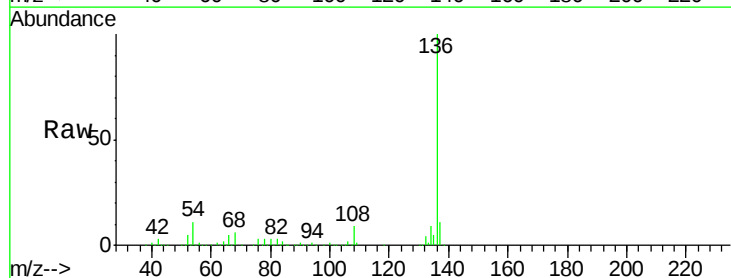
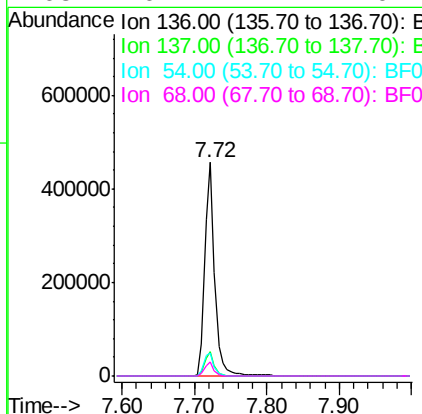
Instrument :  
BNA\_F  
ClientSampled :

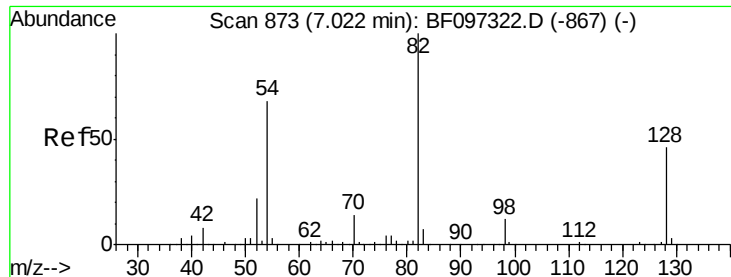
Tot Ion: 70 Resp: 69843  
Ion Ratio Lower Upper  
70 100  
42 61.7 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.3 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.72 min Scan# 1009  
Delta R.T. -0.06 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Tgt Ion: 136 Resp: 437217  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.5 12.7  
54 10.6 4.9 7.3#  
68 6.4 4.1 6.1#

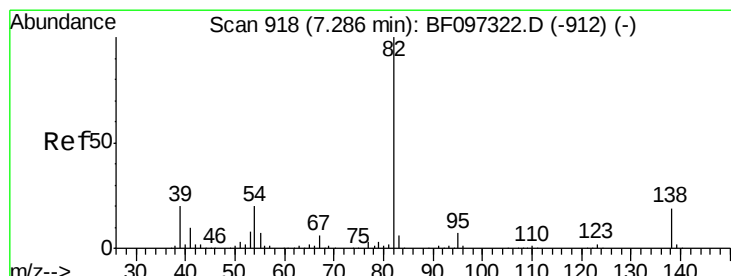
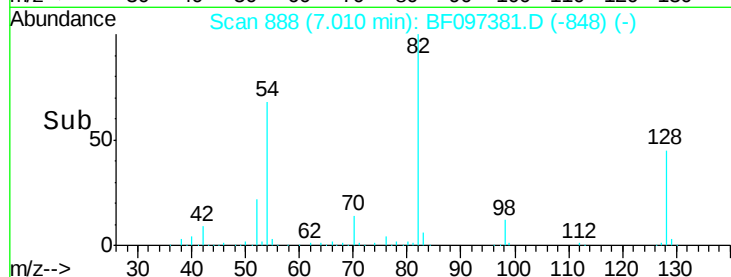
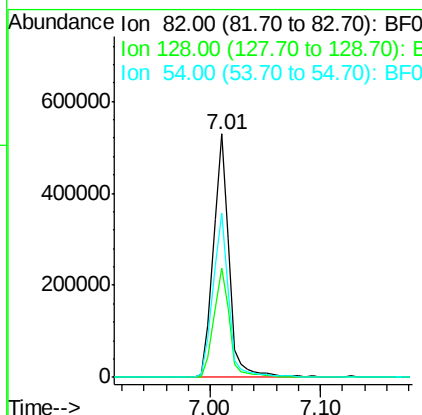
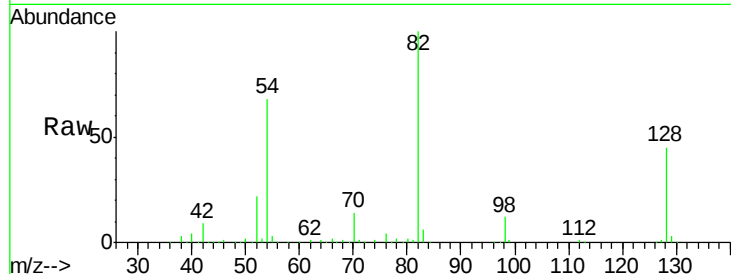




#23  
 Nitrobenzene-d5  
 Concen: 69.30 ng  
 RT: 7.01 min Scan# 888  
 Delta R.T. -0.06 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

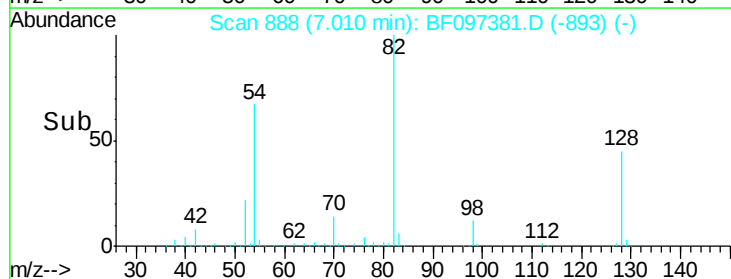
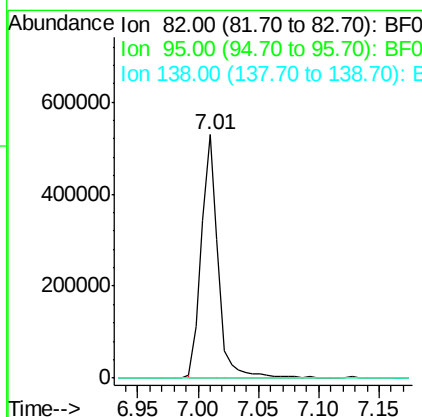
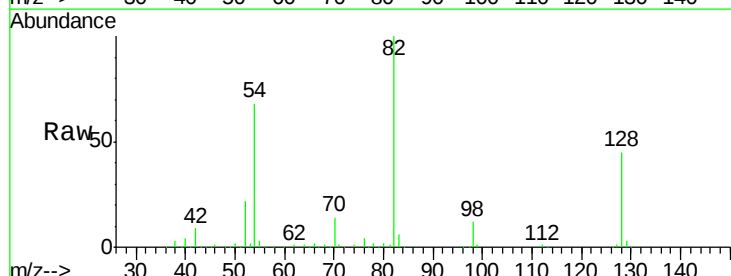
Instrument :  
 BNA\_F  
 ClientSampleId :

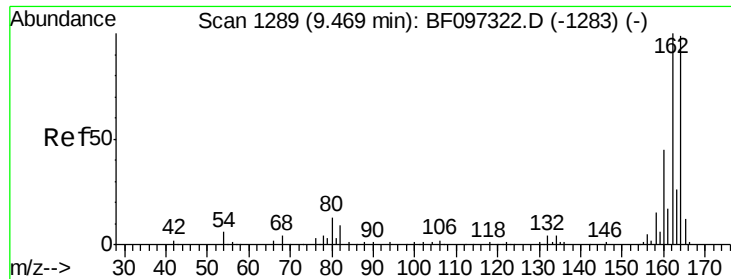
Tot Ion: 82 Resp: 516495  
 Ion Ratio Lower Upper  
 82 100  
 128 44.7 34.0 51.0  
 54 67.7 42.2 63.2#



#25  
 Isophorone  
 Concen: 34.43 ng  
 RT: 7.01 min Scan# 888  
 Delta R.T. -0.33 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

Tgt Ion: 82 Resp: 502588  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.1 19.7#

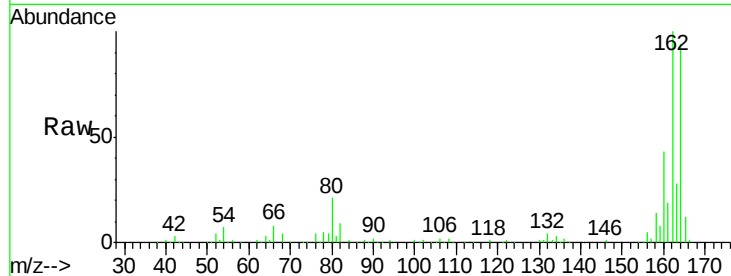




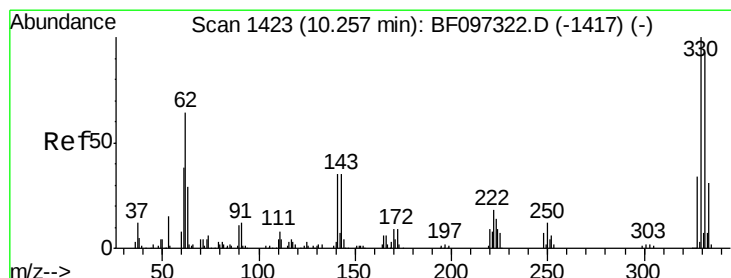
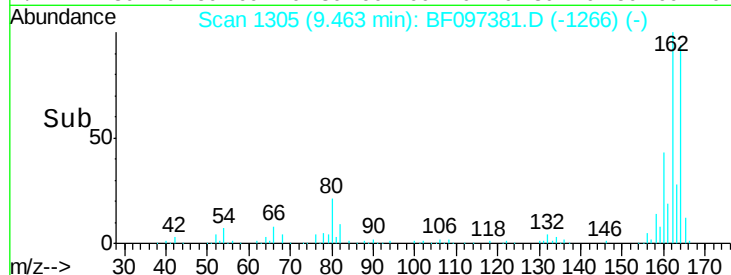
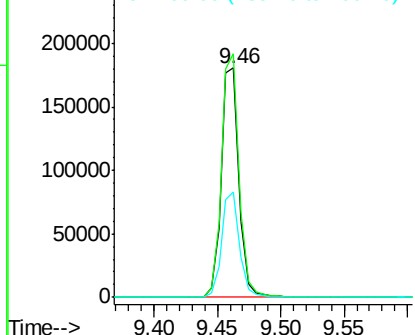
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.46 min Scan# 1305  
 Delta R.T. -0.07 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:164 Resp: 176831  
 Ion Ratio Lower Upper  
 164 100  
 162 106.3 82.6 123.8  
 160 46.0 36.2 54.2

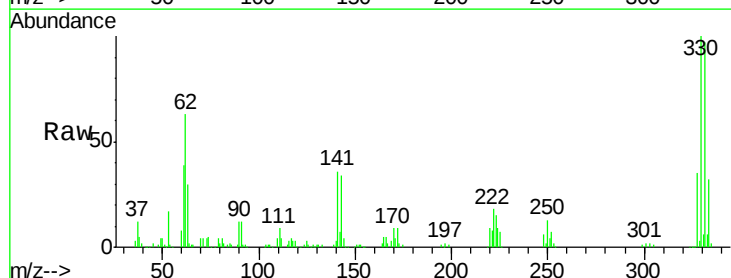


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

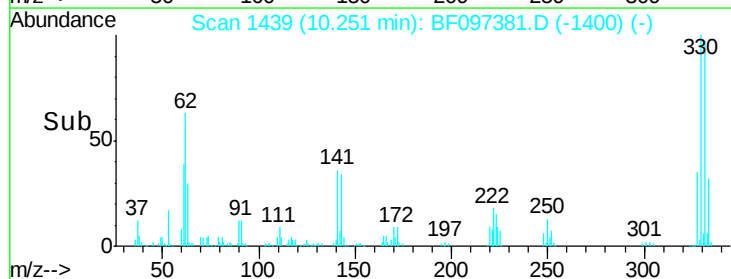
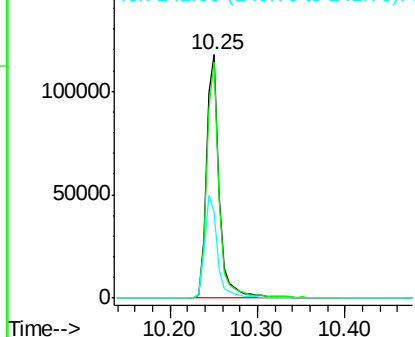


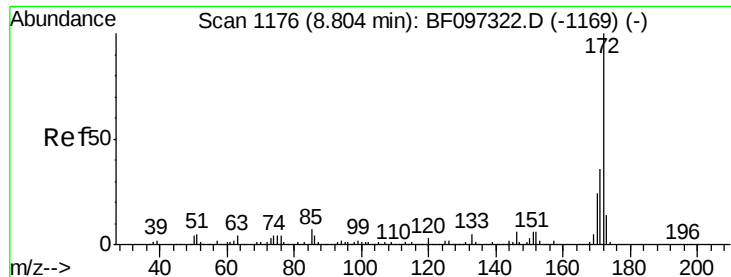
#41  
 2,4,6-Tribromophenol  
 Concen: 85.60 ng  
 RT: 10.25 min Scan# 1439  
 Delta R.T. -0.07 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

Tgt Ion:330 Resp: 119601  
 Ion Ratio Lower Upper  
 330 100  
 332 93.2 76.6 115.0  
 141 42.6 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

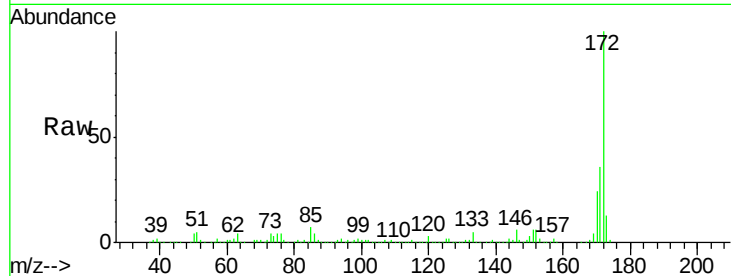




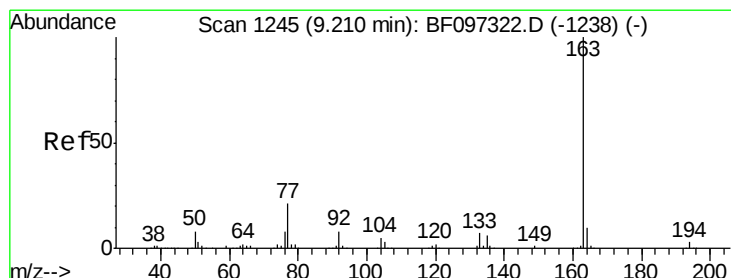
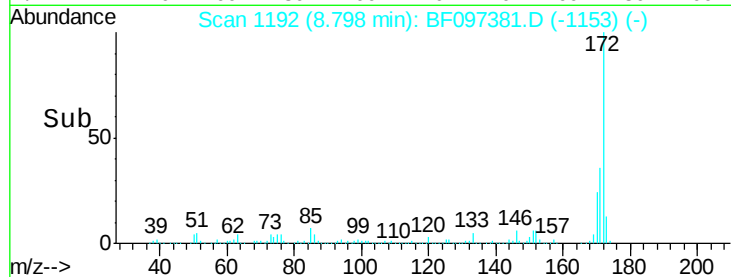
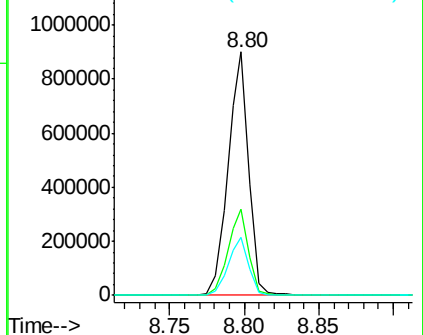
#44  
2-Fluorobiphenyl  
Concen: 84.02 ng  
RT: 8.80 min Scan# 1192  
Delta R.T. -0.07 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 875468  
Ion Ratio Lower Upper  
172 100  
171 35.6 29.6 44.4  
170 23.8 19.8 29.8

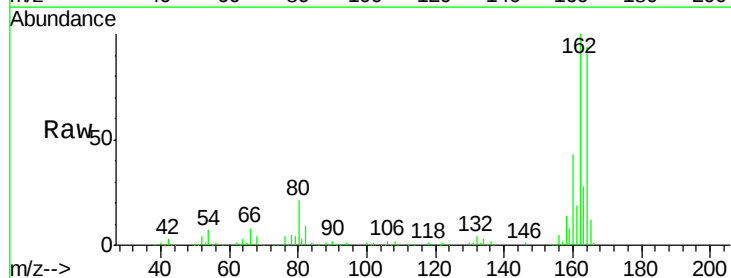


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

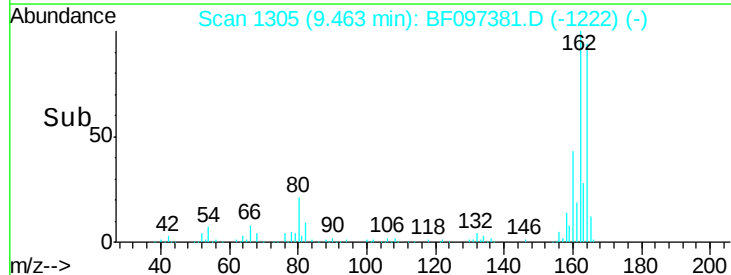
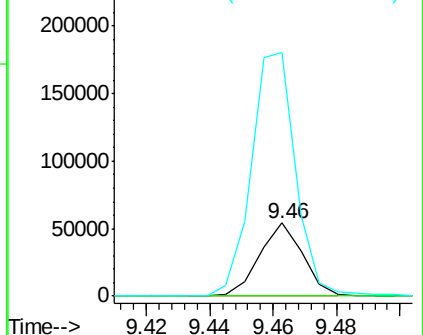


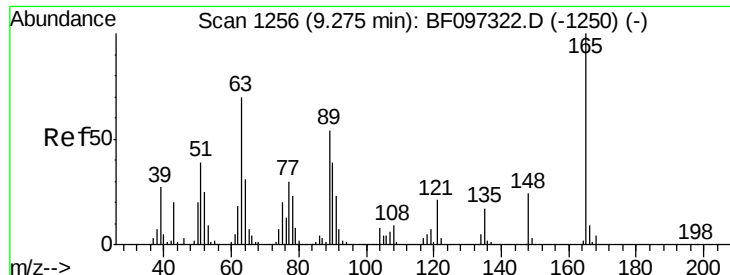
#49  
Dimethylphthalate  
Concen: 3.84 ng  
RT: 9.46 min Scan# 1305  
Delta R.T. 0.19 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Tgt Ion:163 Resp: 51574  
Ion Ratio Lower Upper  
163 100  
194 0.0 2.6 4.0#  
164 333.0 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

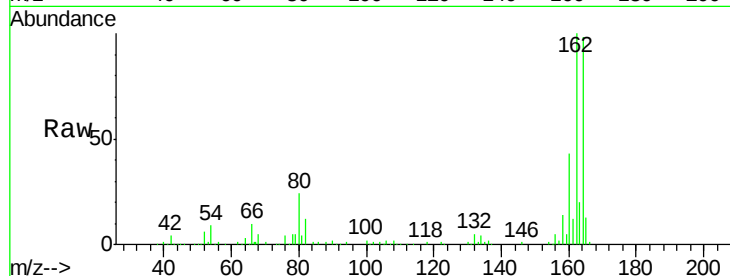




#50  
 2,6-Dinitrotoluene  
 Concen: 7.83 ng  
 RT: 9.46 min Scan# 1304  
 Delta R.T. 0.12 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :

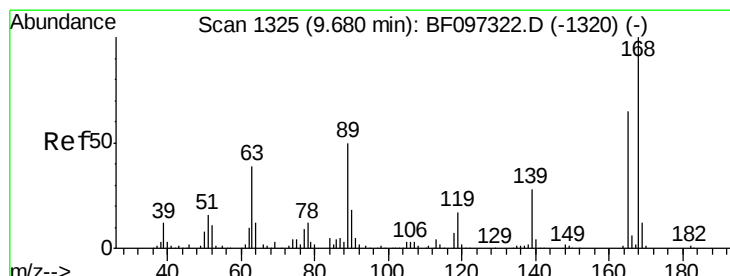
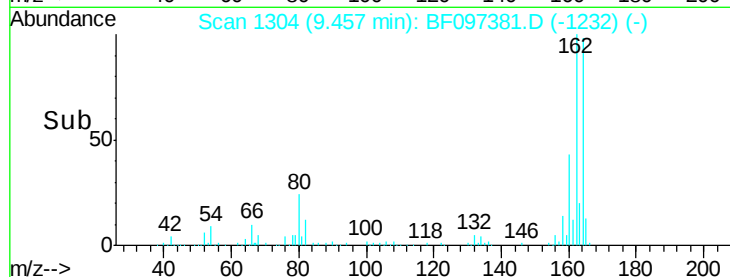
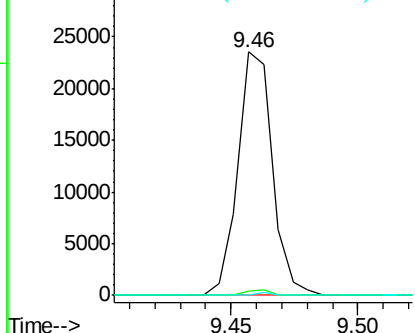
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 34.3  | 51.5# |
| 89      | 0.0   | 37.1  | 55.7# |



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



#56  
 2,4-Dinitrotoluene  
 Concen: 6.81 ng  
 RT: 9.46 min Scan# 1304  
 Delta R.T. -0.28 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

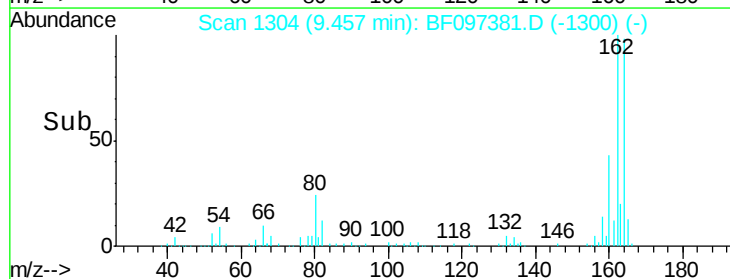
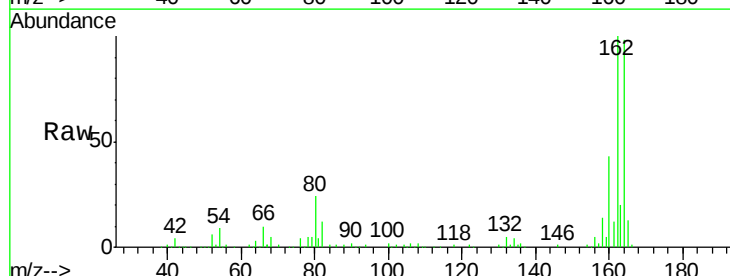
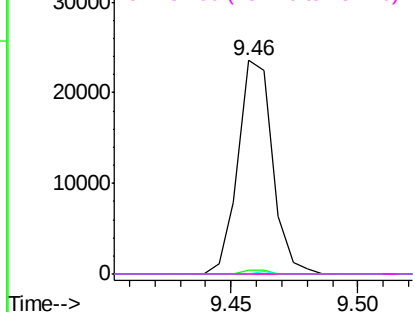
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 25.4  | 38.0# |
| 89      | 0.0   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

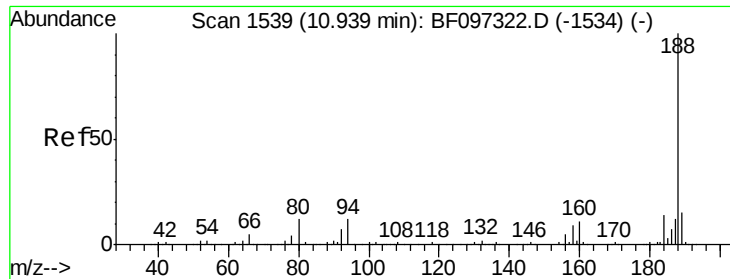
Abundance Ion 165.00 (164.70 to 165.70): E

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

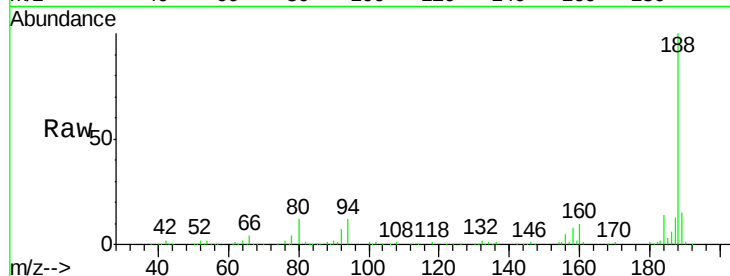




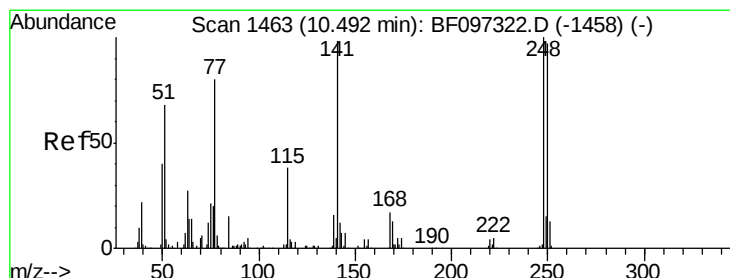
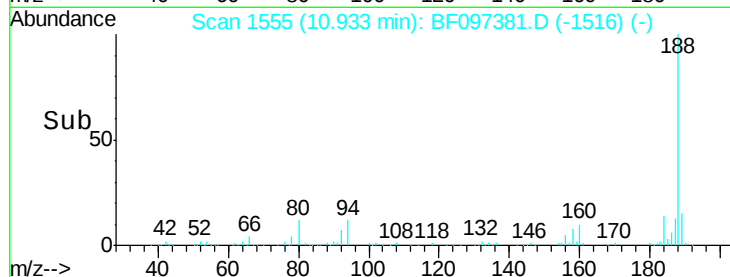
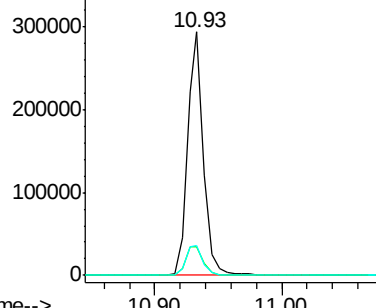
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1555  
Delta R.T. -0.07 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 258220  
Ion Ratio Lower Upper  
188 100  
94 12.0 9.4 14.2  
80 12.1 10.2 15.2

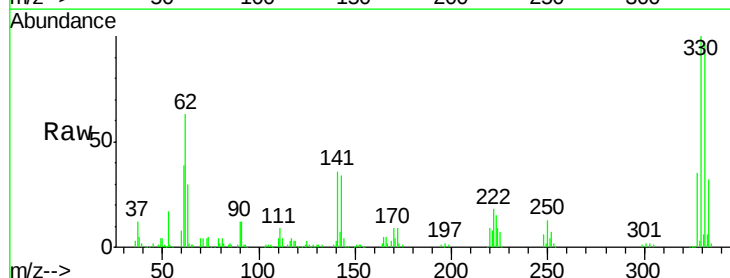


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

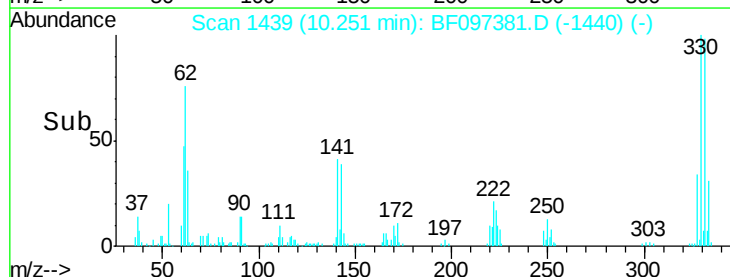
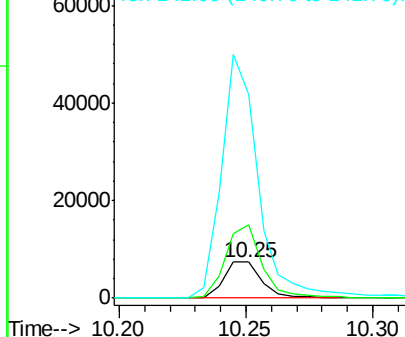


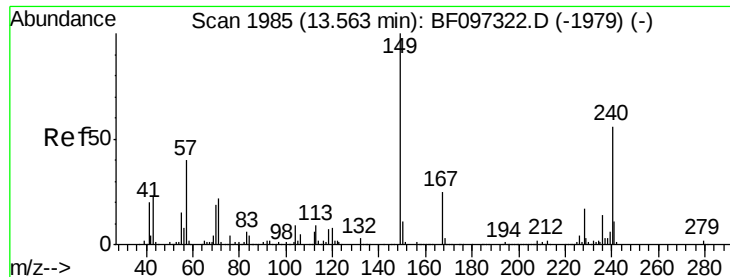
#66  
4-Bromophenyl-phenylether  
Concen: 2.98 ng  
RT: 10.25 min Scan# 1439  
Delta R.T. -0.31 min  
Lab File: BF097381.D  
Acq: 5 Aug 2017 3:37

Tgt Ion:248 Resp: 7670  
Ion Ratio Lower Upper  
248 100  
250 203.2 76.8 115.2#  
141 566.2 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: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA\_F

ClientSampleId :

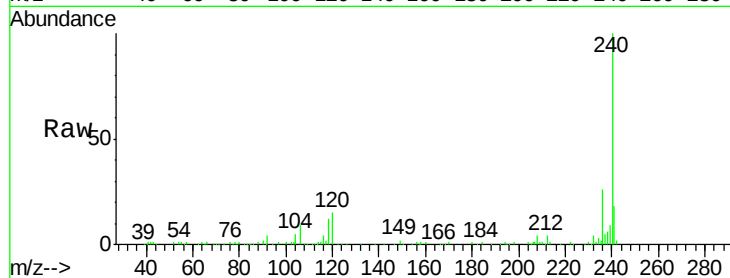
Tot Ion:240 Resp: 181777

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

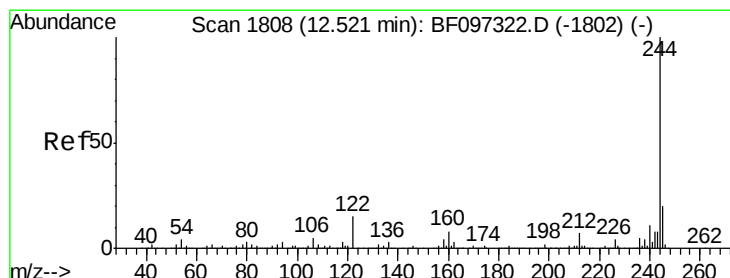
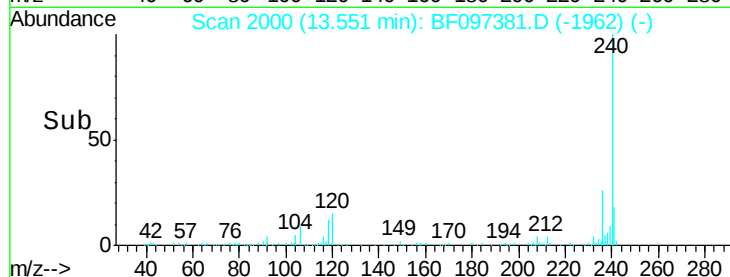
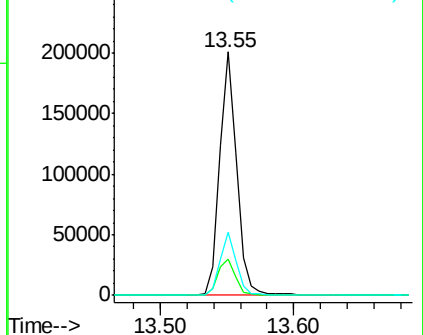
236 26.2 20.5 30.7



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: 50.64 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

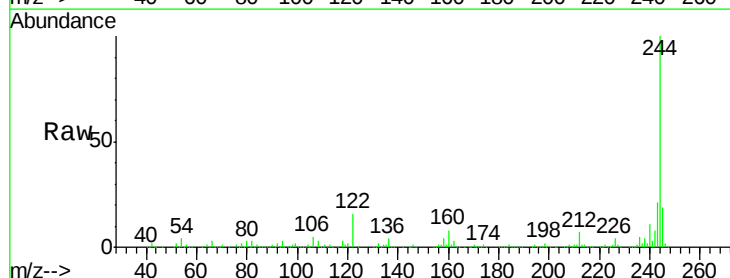
Tgt Ion:244 Resp: 451499

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

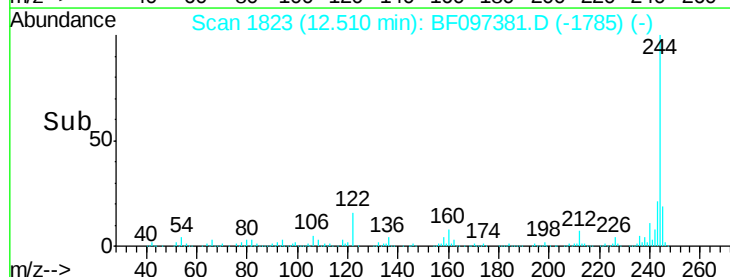
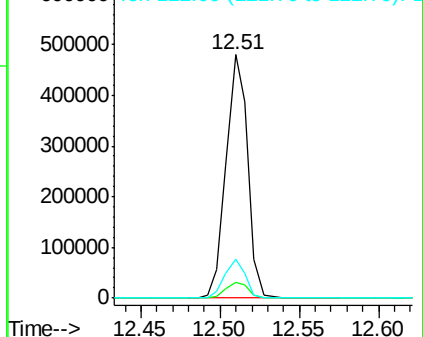
122 15.7 10.3 15.5#

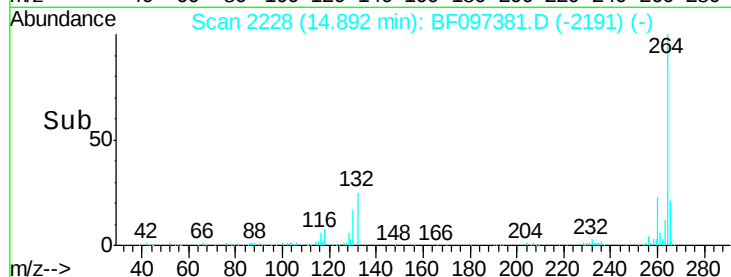
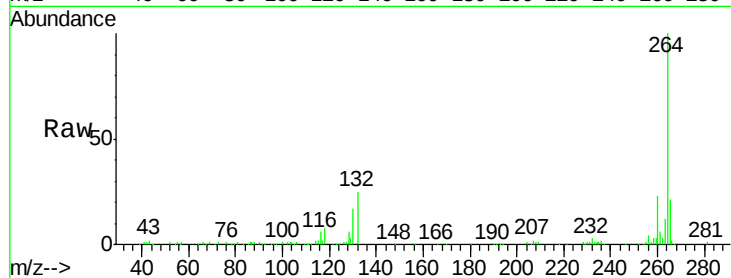
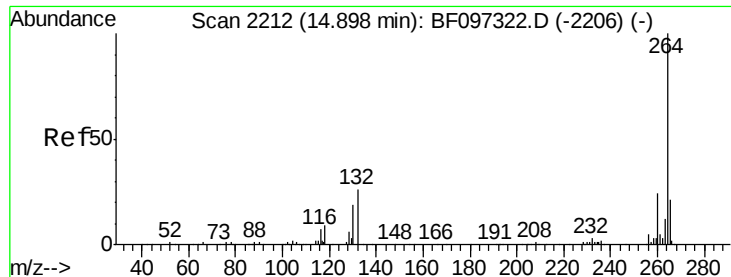


Abundance Ion 244.00 (243.70 to 244.70): E

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: 14.89 min Scan# 2228  
 Delta R.T. -0.08 min  
 Lab File: BF097381.D  
 Acq: 5 Aug 2017 3:37

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.5  | 29.3  |
| 265     | 21.3  | 17.2  | 25.8  |

