

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\  
 Data File : BF097566.D  
 Acq On : 10 Aug 2017 19:04  
 Operator : SJ/JU  
 Sample : I4631-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

Quant Time: Aug 11 01:01:10 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 07 16:02:51 2017  
 Response via : Initial Calibration

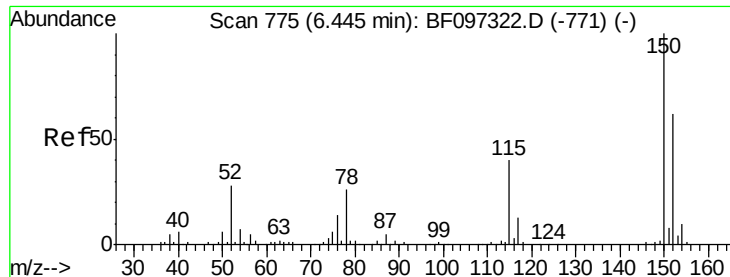
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.39  | 152  | 96430    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 7.67  | 136  | 431991   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.42  | 164  | 164621   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 10.91 | 188  | 189512   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.54 | 240  | 188157   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 14.87 | 264  | 201916   | 20.00 | ng    | 0.00     |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 4.98  | 112 | 443539 | 69.34  | ng | -0.02 |
| 7) Phenol-d6                | 6.07  | 99  | 392867 | 53.80  | ng | -0.01 |
| 23) Nitrobenzene-d5         | 6.97  | 82  | 635189 | 86.26  | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.23 | 330 | 138134 | 106.20 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 8.76  | 172 | 846427 | 87.26  | ng | -0.02 |
| 78) Terphenyl-d14           | 12.49 | 244 | 384377 | 41.65  | ng | 0.00  |

|                               |       |     |        |       |    |        |
|-------------------------------|-------|-----|--------|-------|----|--------|
| Target Compounds              |       |     |        |       |    | Qvalue |
| 14) 1,2-Dichlorobenzene       | 6.56  | 146 | 20280  | 3.18  | ng | 96     |
| 15) Benzyl Alcohol            | 6.55  | 79  | 11425  | 2.47  | ng | # 38   |
| 18) Hexachloroethane          | 6.93  | 117 | 22346  | 8.36  | ng | # 35   |
| 25) Isophorone                | 7.45  | 82  | 171621 | 11.90 | ng | # 50   |
| 32) Benzoic acid              | 7.52  | 122 | 28176  | 5.51  | ng | # 22   |
| 35) Caprolactam               | 8.13  | 113 | 6700   | 3.54  | ng | # 1    |
| 36) 4-Chloro-3-methylphenol   | 8.30  | 107 | 13523  | 2.10  | ng | # 22   |
| 37) 2-Methylnaphthalene       | 8.49  | 142 | 668418 | 51.84 | ng | 95     |
| 47) 2-Nitroaniline            | 8.94  | 65  | 18183  | 4.84  | ng | # 27   |
| 49) Dimethylphthalate         | 9.17  | 163 | 34861  | 2.79  | ng | # 78   |
| 50) 2,6-Dinitrotoluene        | 9.26  | 165 | 11943  | 4.50  | ng | # 26   |
| 51) Acenaphthene              | 9.46  | 154 | 40176  | 4.29  | ng | 95     |
| 52) 3-Nitroaniline            | 9.43  | 138 | 16563  | 5.03  | ng | # 16   |
| 53) 2,4-Dinitrophenol         | 9.55  | 184 | 3133   | 2.60  | ng | # 1    |
| 54) Dibenzofuran              | 9.63  | 168 | 62164  | 4.99  | ng | # 62   |
| 55) 4-Nitrophenol             | 9.59  | 139 | 15817  | 8.08  | ng | # 1    |
| 57) Fluorene                  | 9.97  | 166 | 87788  | 9.37  | ng | # 92   |
| 59) Diethylphthalate          | 9.90  | 149 | 30152  | 2.63  | ng | # 48   |
| 62) Azobenzene                | 10.11 | 77  | 30271  | 2.85  | ng | # 31   |
| 65) n-Nitrosodiphenylamine    | 10.09 | 169 | 23016  | 3.49  | ng | # 66   |
| 66) 4-Bromophenyl-phenylether | 10.23 | 248 | 8993   | 4.76  | ng | # 1    |
| 68) Atrazine                  | 10.65 | 200 | 5220   | 2.76  | ng | # 1    |
| 70) Phenanthrene              | 10.93 | 178 | 106992 | 10.54 | ng | 93     |

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



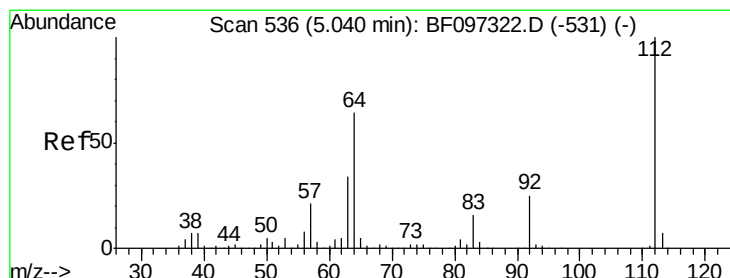
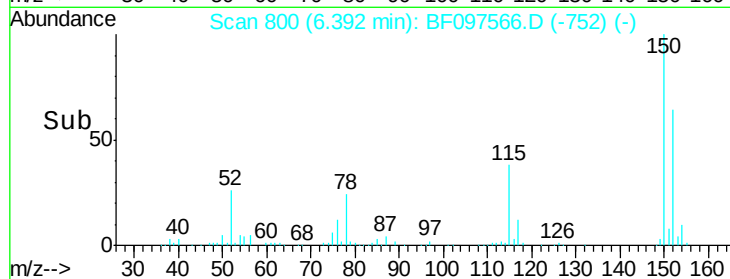
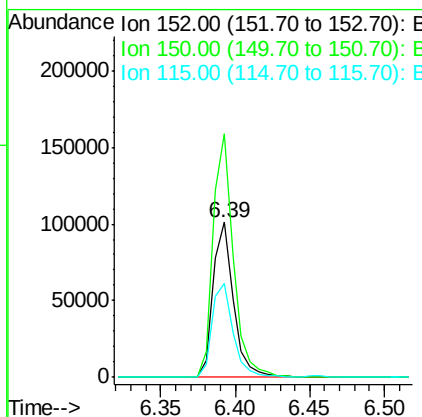
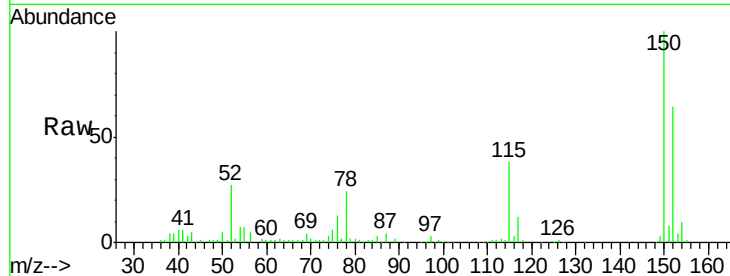


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.39 min Scan# 800  
 Delta R.T. -0.02 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

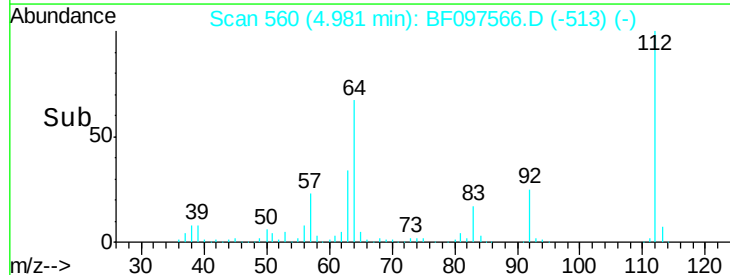
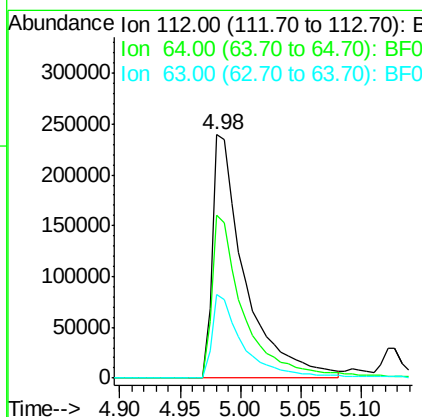
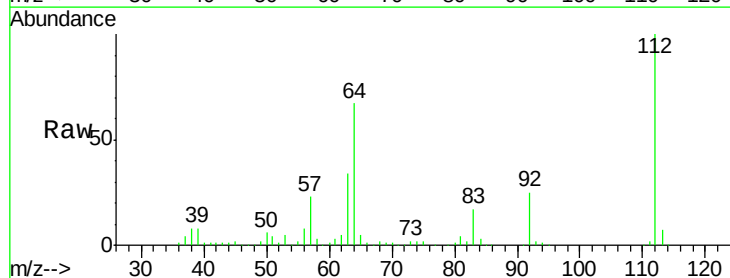
Tot Ion:152 Resp: 96430  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 126.2 189.2  
 115 60.3 52.2 78.2

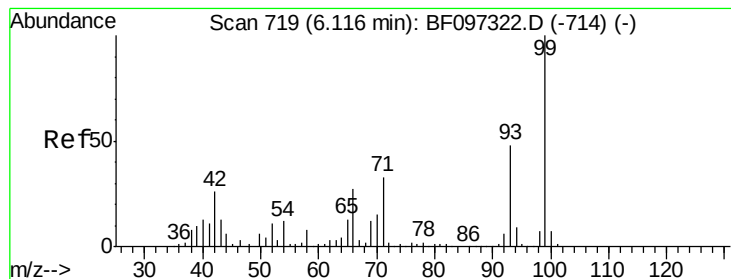


#5

2-Fluorophenol  
 Concen: 69.34 ng  
 RT: 4.98 min Scan# 560  
 Delta R.T. -0.02 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:112 Resp: 443539  
 Ion Ratio Lower Upper  
 112 100  
 64 67.0 46.0 69.0  
 63 34.3 23.4 35.0





#7

Phenol-d6

Concen: 53.80 ng

RT: 6.07 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

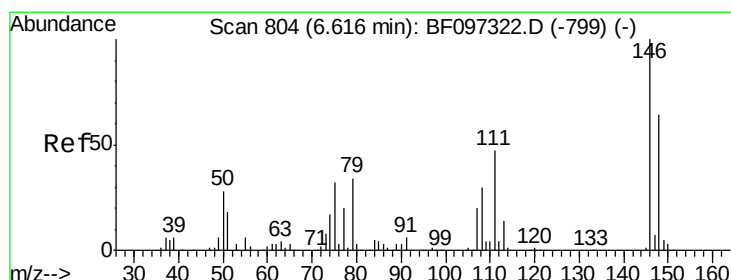
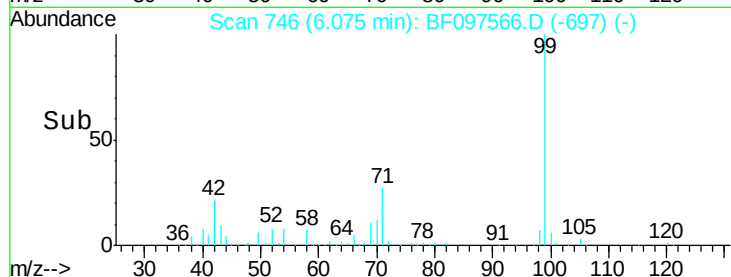
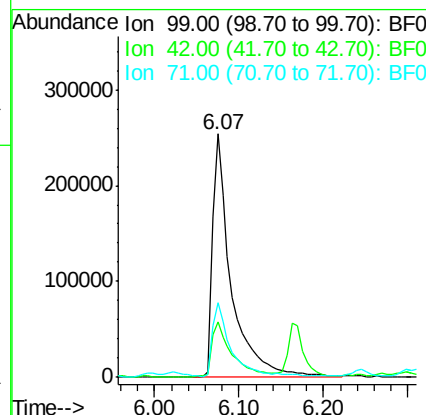
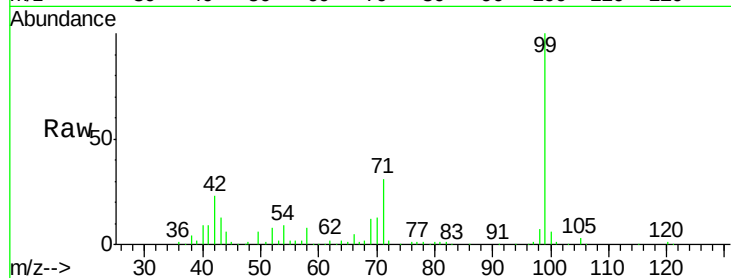
BNA\_F

ClientSampleId :

DAY-1

Tot Ion: 99 Resp: 392867

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.8  | 13.5  | 20.3# |
| 71  | 30.7  | 24.5  | 36.7  |



#14

1,2-Dichlorobenzene

Concen: 3.18 ng

RT: 6.56 min Scan# 829

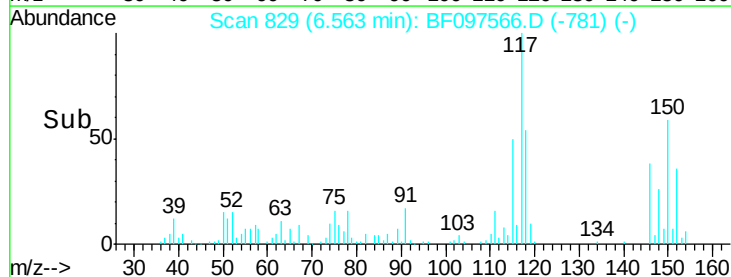
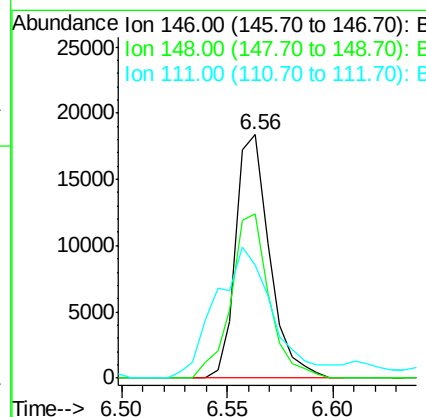
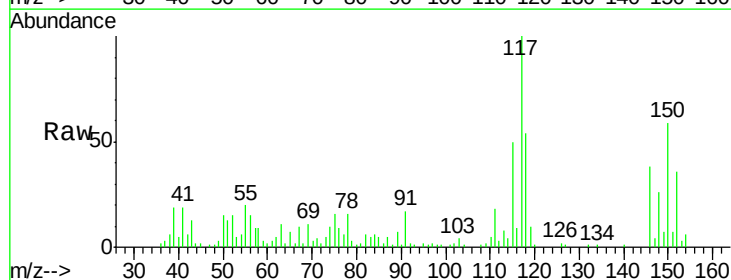
Delta R.T. -0.02 min

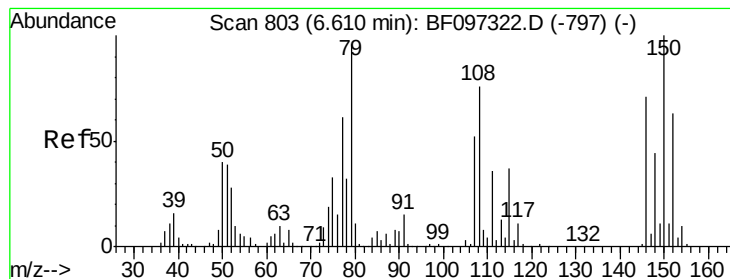
Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Tgt Ion: 146 Resp: 20280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 67.5  | 50.4  | 75.6  |
| 111 | 46.6  | 38.2  | 57.4  |





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 6.55 min Scan# 826

Delta R.T. -0.04 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

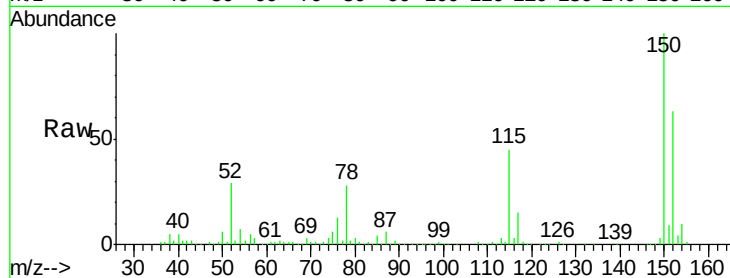
Tot Ion: 79 Resp: 11425

Ion Ratio Lower Upper

79 100

108 30.3 63.4 95.0#

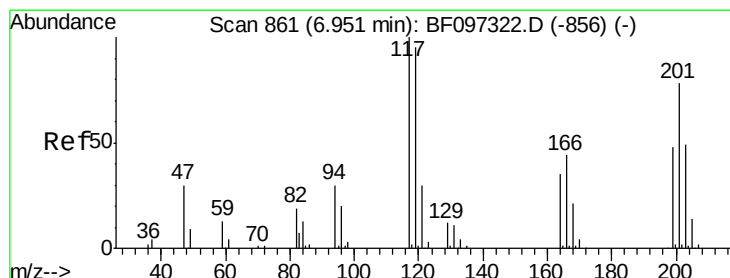
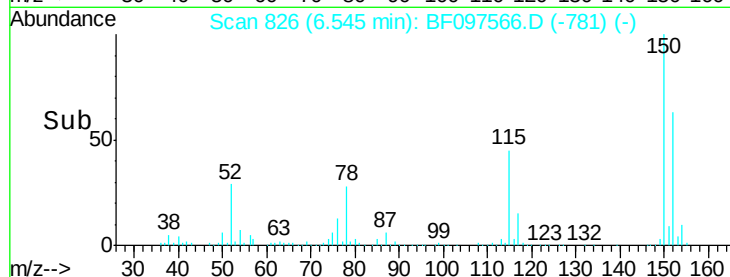
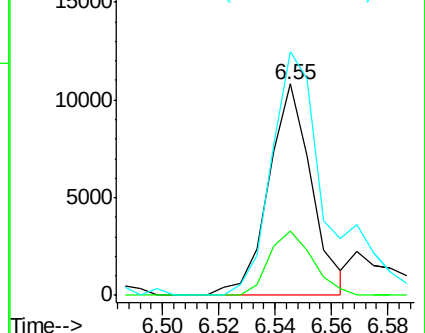
77 115.1 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 8.36 ng

RT: 6.93 min Scan# 891

Delta R.T. 0.01 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

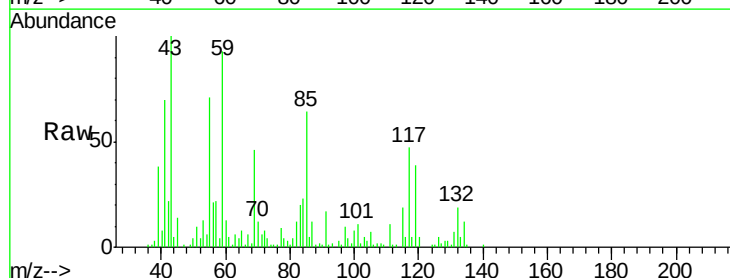
Tgt Ion: 117 Resp: 22346

Ion Ratio Lower Upper

117 100

119 83.1 77.4 116.0

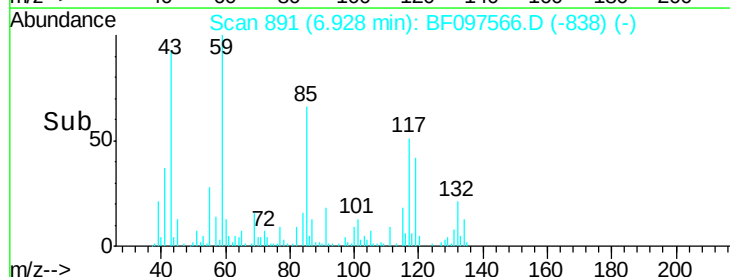
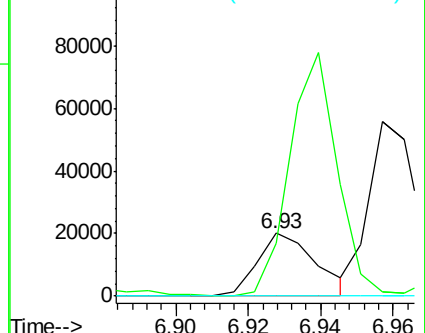
201 0.0 94.6 141.8#

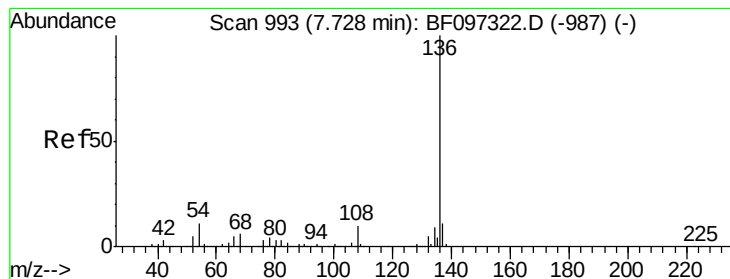


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.67 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

Tot Ion:136 Resp: 431991

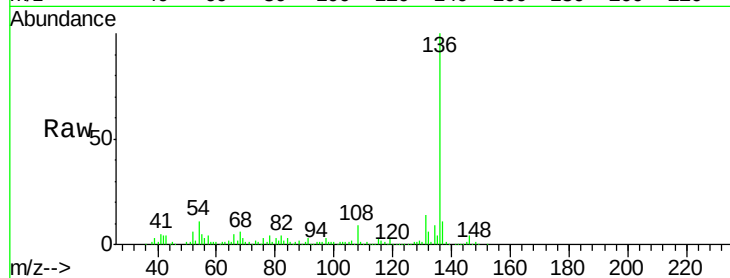
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.4 4.9 7.3#

68 6.3 4.1 6.1#

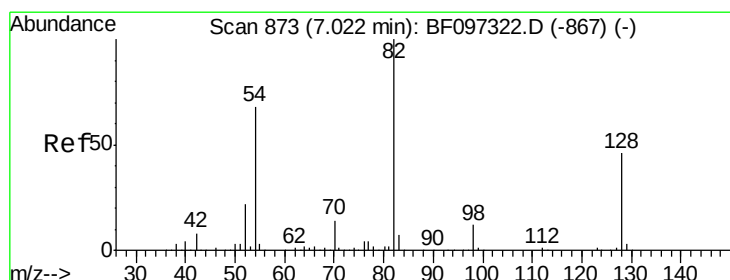
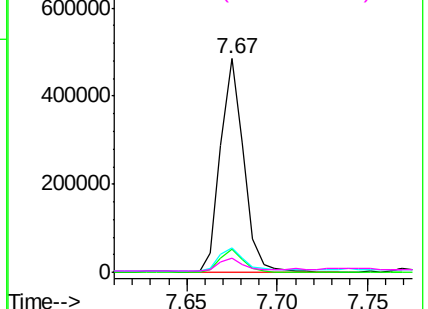
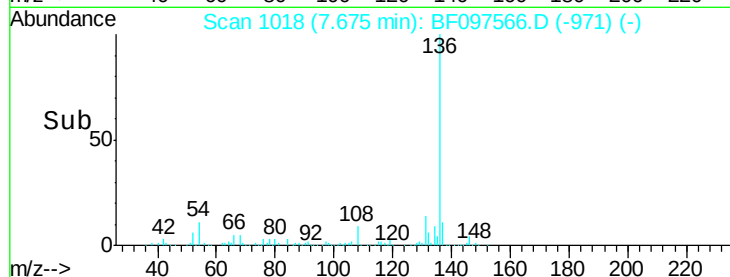


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 86.26 ng

RT: 6.97 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

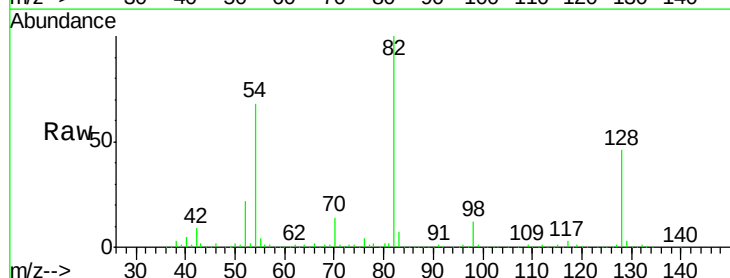
Tgt Ion: 82 Resp: 635189

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

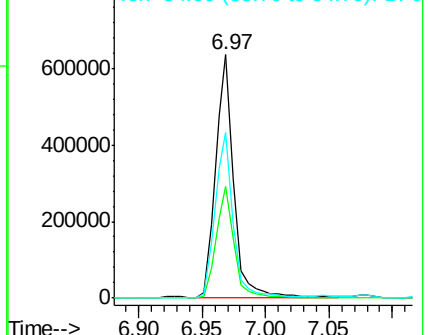
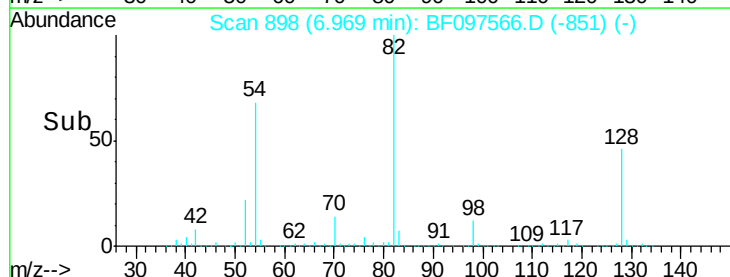
54 67.9 42.2 63.2#

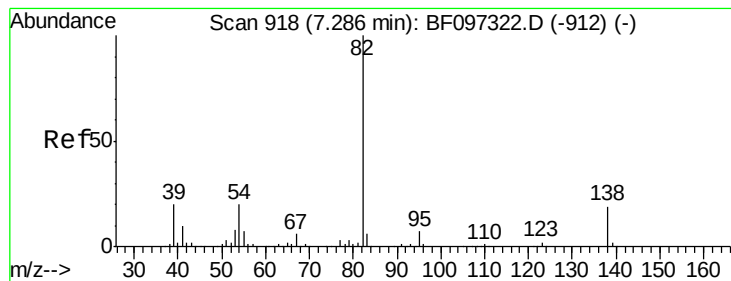


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 11.90 ng

RT: 7.45 min Scan# 979

Delta R.T. 0.19 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

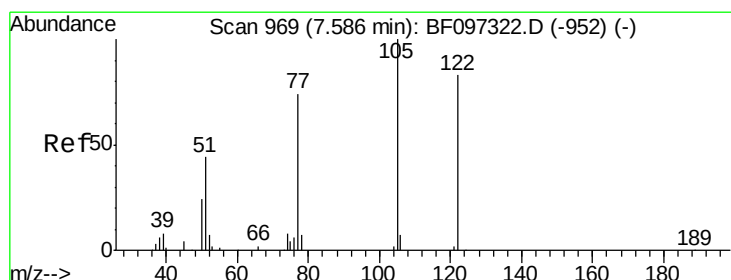
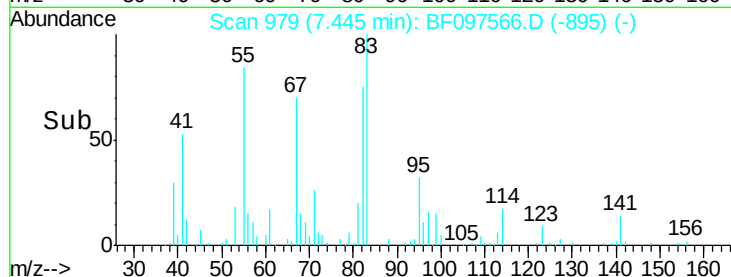
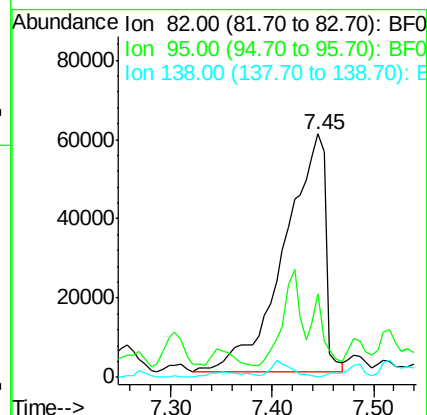
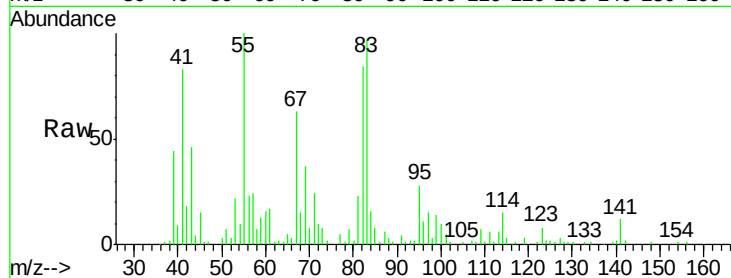
Tot Ion: 82 Resp: 171621

Ion Ratio Lower Upper

82 100

95 34.1 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 5.51 ng

RT: 7.52 min Scan# 992

Delta R.T. -0.05 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

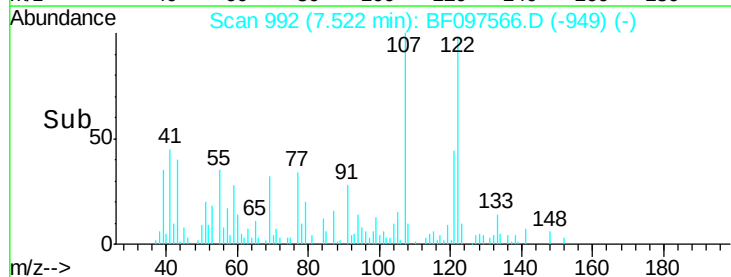
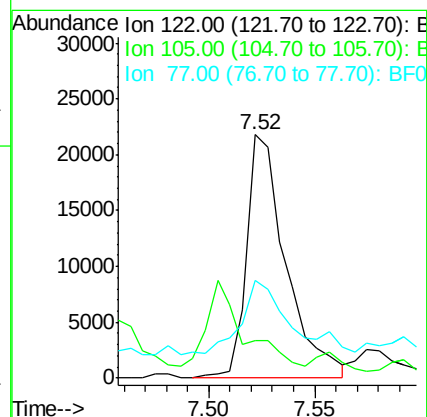
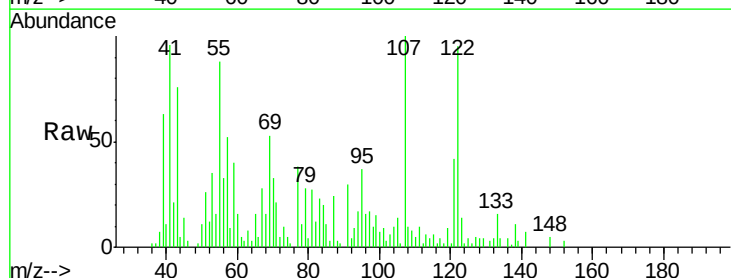
Tgt Ion:122 Resp: 28176

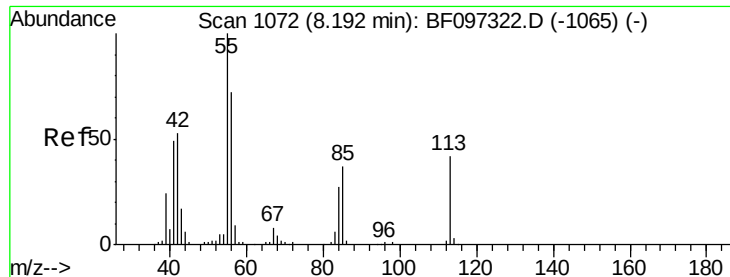
Ion Ratio Lower Upper

122 100

105 15.2 103.3 143.3#

77 40.4 73.7 113.7#

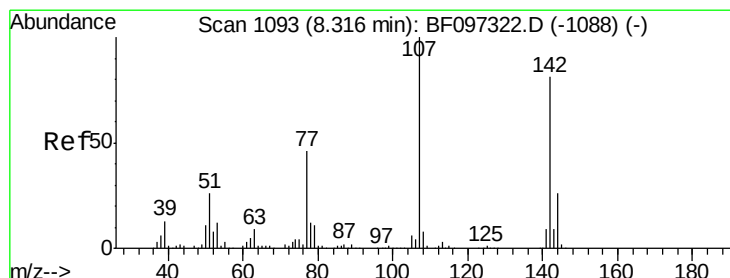
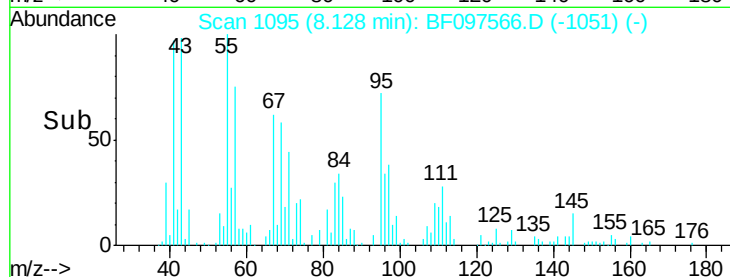
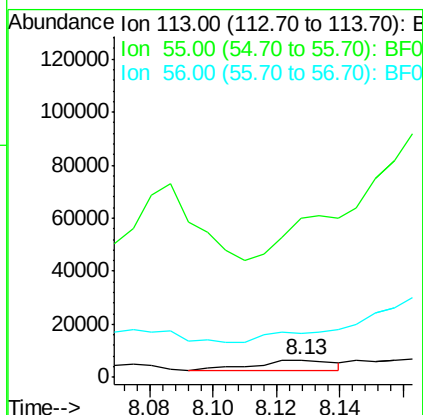
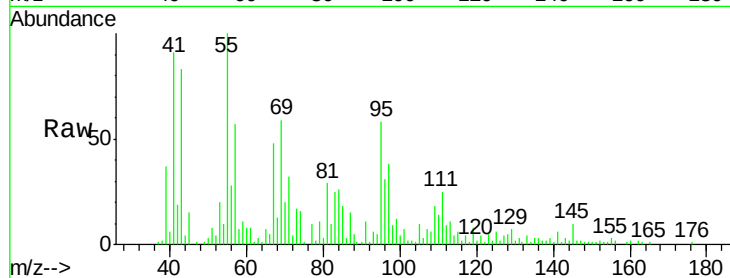




#35  
 Caprolactam  
 Concen: 3.54 ng  
 RT: 8.13 min Scan# 1095  
 Delta R.T. -0.04 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

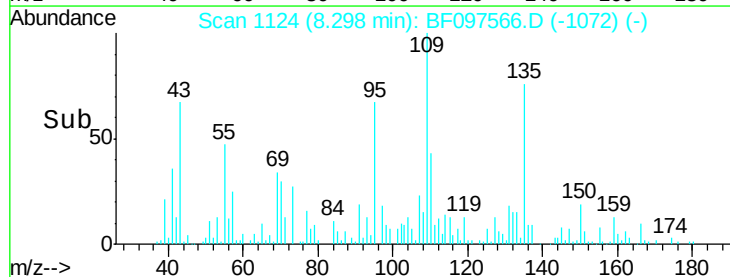
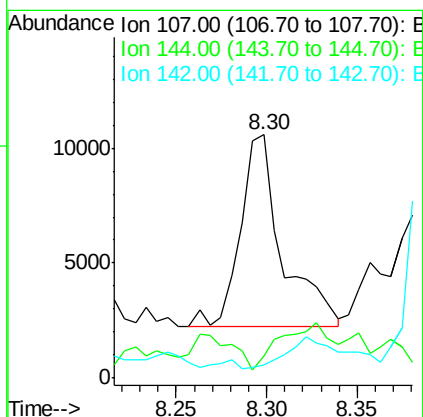
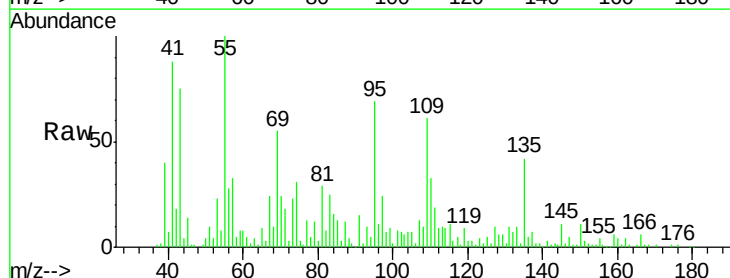
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

Tot Ion:113 Resp: 6700  
 Ion Ratio Lower Upper  
 113 100  
 55 902.0 150.2 190.2#  
 56 251.7 107.8 147.8#

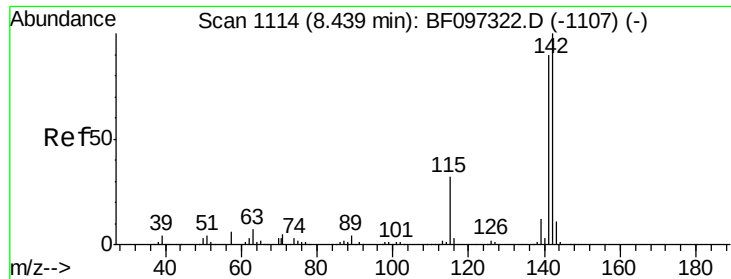


#36  
 4-Chloro-3-methylphenol  
 Concen: 2.10 ng  
 RT: 8.30 min Scan# 1124  
 Delta R.T. 0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:107 Resp: 13523  
 Ion Ratio Lower Upper  
 107 100  
 144 9.2 24.2 36.4#  
 142 5.2 73.4 110.0#



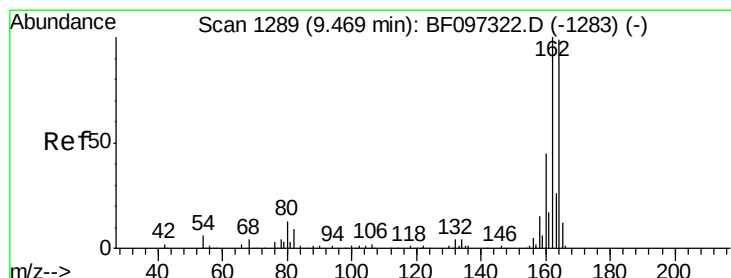
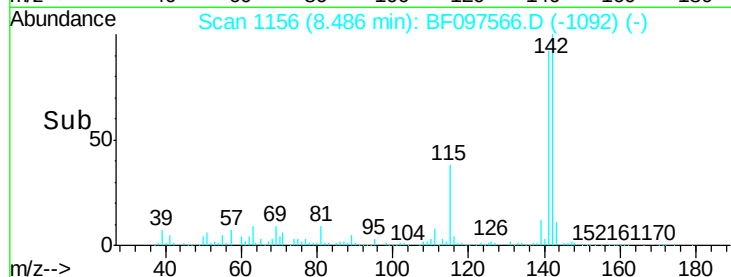
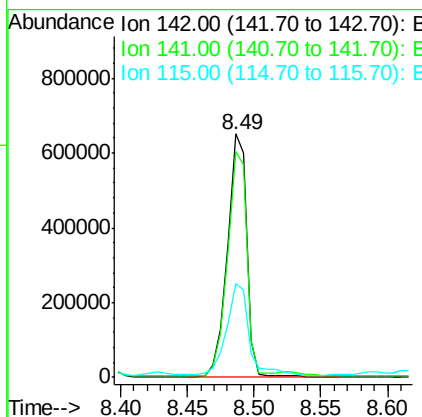
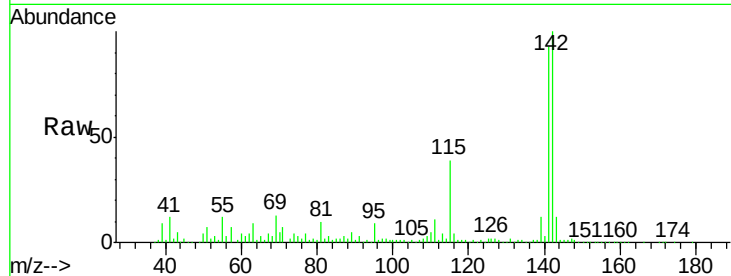




#37  
 2-Methylnaphthalene  
 Concen: 51.84 ng  
 RT: 8.49 min Scan# 1156  
 Delta R.T. 0.08 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

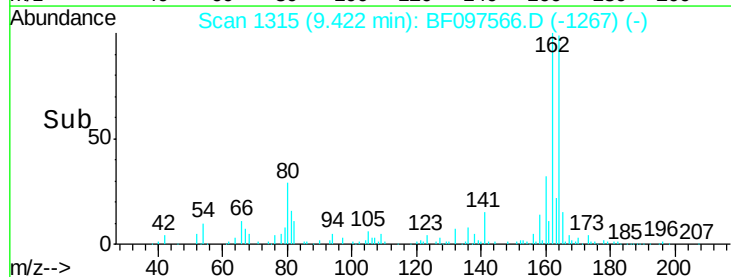
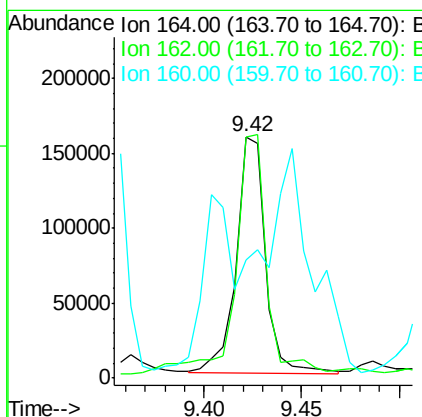
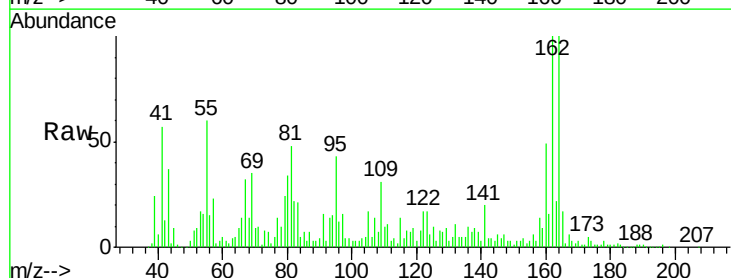
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

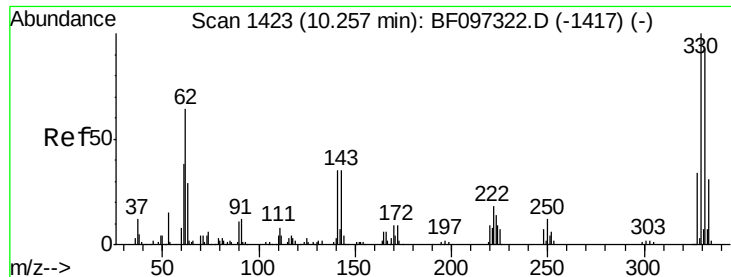
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.9  | 71.3  | 106.9 |
| 115     | 38.6  | 27.1  | 40.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.42 min Scan# 1315  
 Delta R.T. -0.02 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.9  | 82.6  | 123.8 |
| 160     | 48.8  | 36.2  | 54.2  |

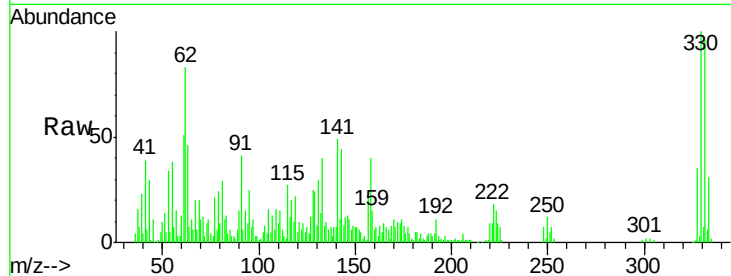




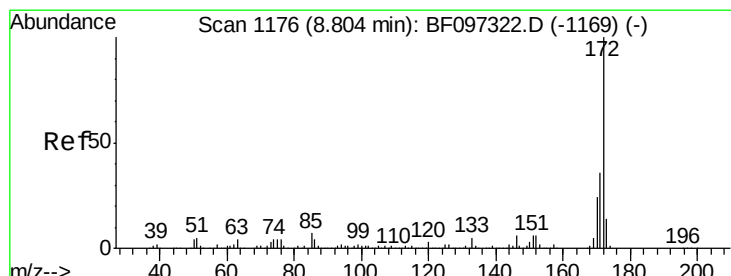
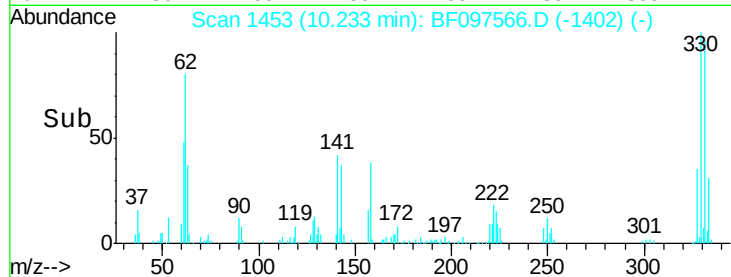
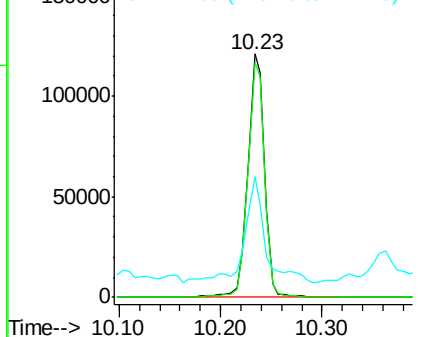
#41  
 2,4,6-Tribromophenol  
 Concen: 106.20 ng  
 RT: 10.23 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

Tot Ion:330 Resp: 138134  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.6 115.0  
 141 54.8 31.4 47.2#

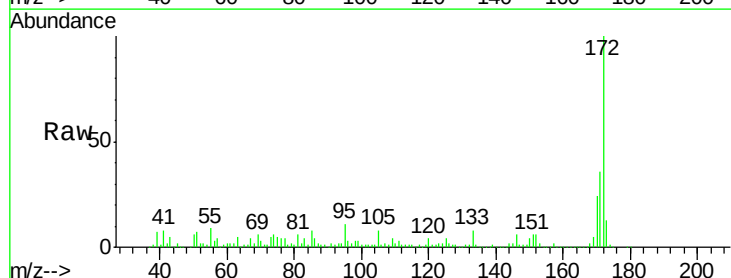


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

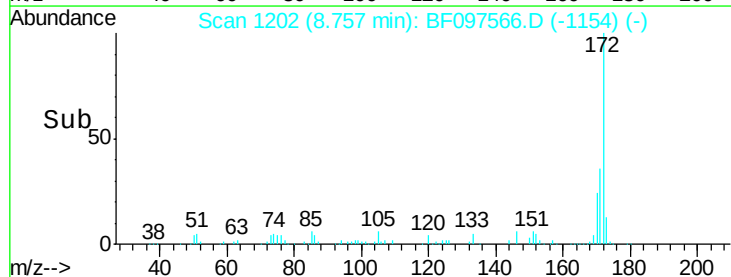
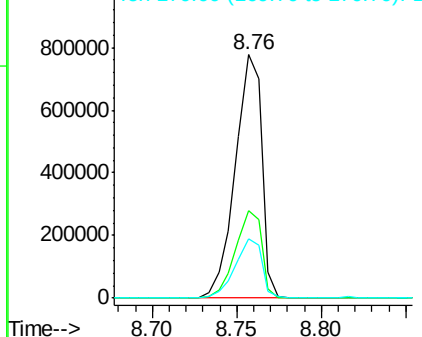


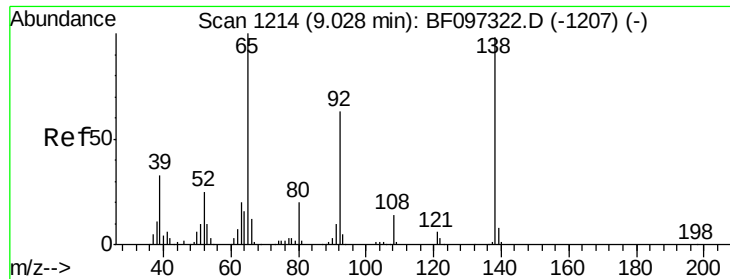
#44  
 2-Fluorobiphenyl  
 Concen: 87.26 ng  
 RT: 8.76 min Scan# 1202  
 Delta R.T. -0.02 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:172 Resp: 846427  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.6 44.4  
 170 24.1 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





#47

2-Nitroaniline

Concen: 4.84 ng

RT: 8.94 min Scan# 1233

Delta R.T. -0.06 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

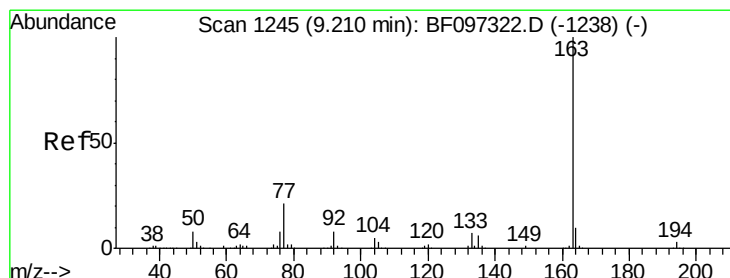
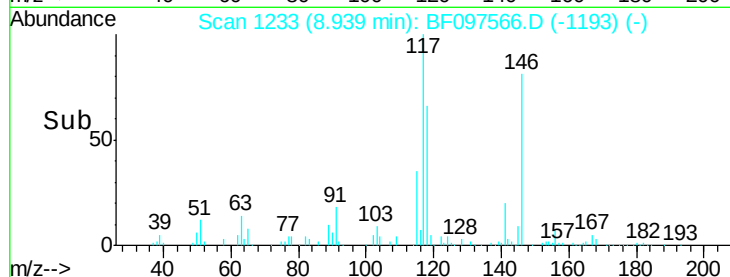
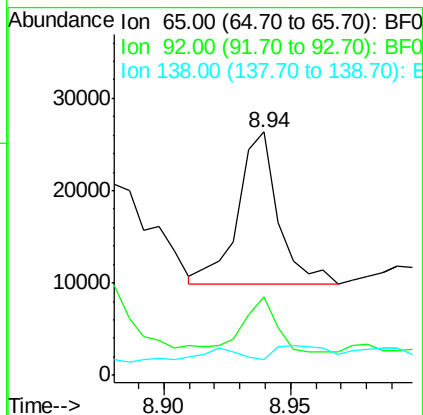
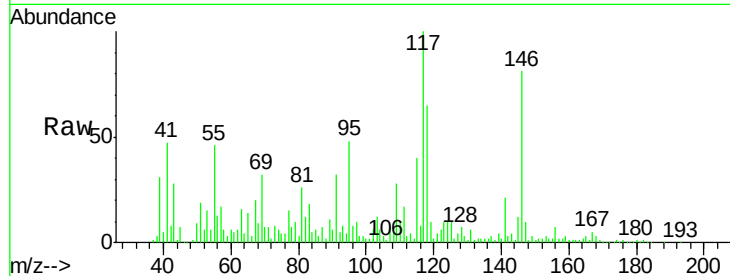
Tot Ion: 65 Resp: 18183

Ion Ratio Lower Upper

65 100

92 32.4 53.9 80.9#

138 6.5 78.8 118.2#



#49

Dimethylphthalate

Concen: 2.79 ng

RT: 9.17 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

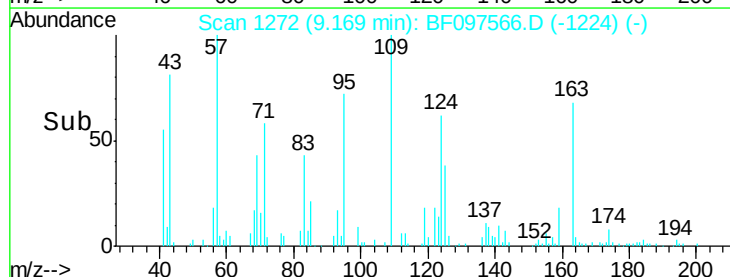
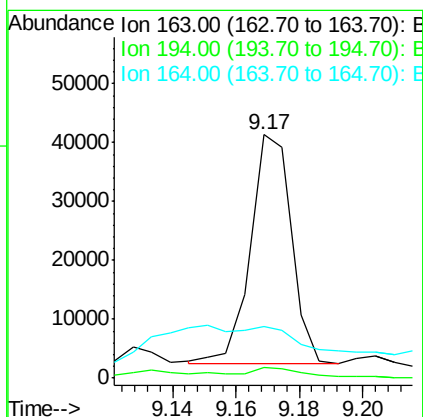
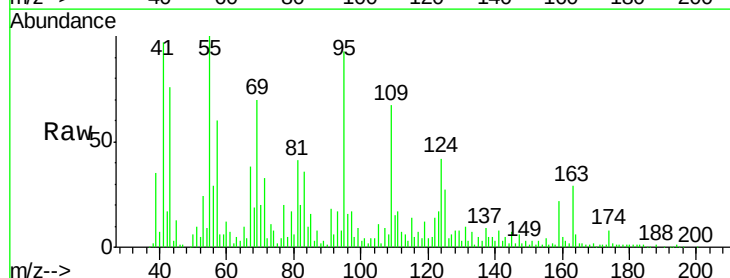
Tgt Ion:163 Resp: 34861

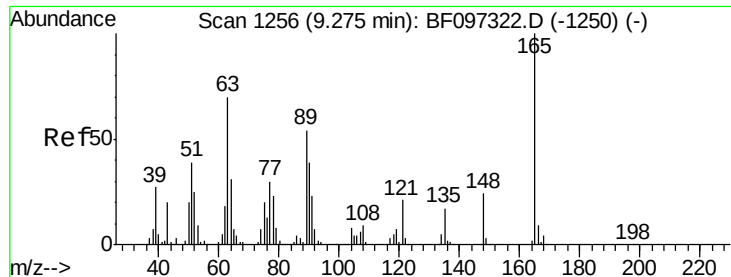
Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

164 21.0 8.4 12.6#

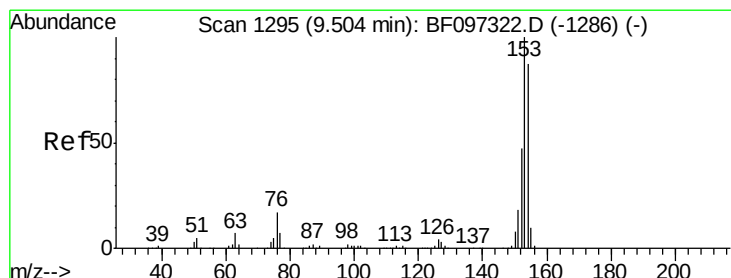
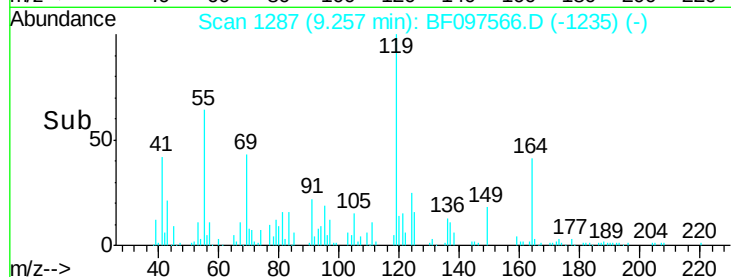
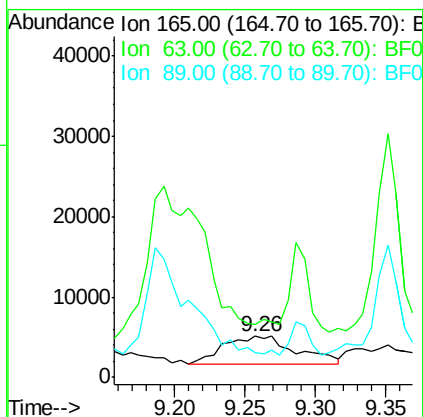
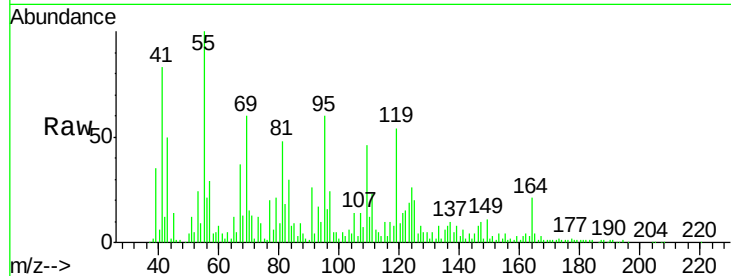




#50  
2,6-Dinitrotoluene  
Concen: 4.50 ng  
RT: 9.26 min Scan# 1287  
Delta R.T. 0.01 min  
Lab File: BF097566.D  
Acq: 10 Aug 2017 19:04

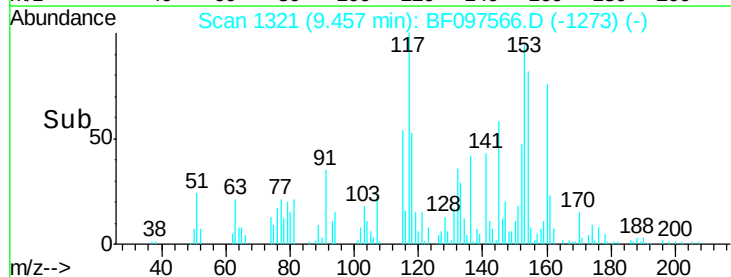
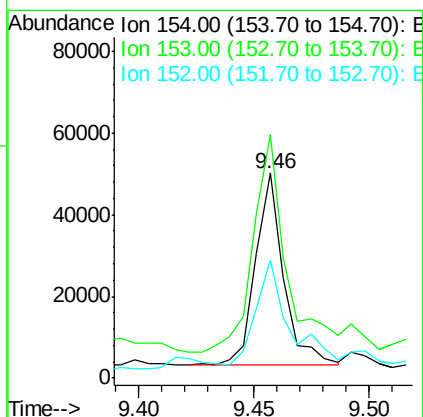
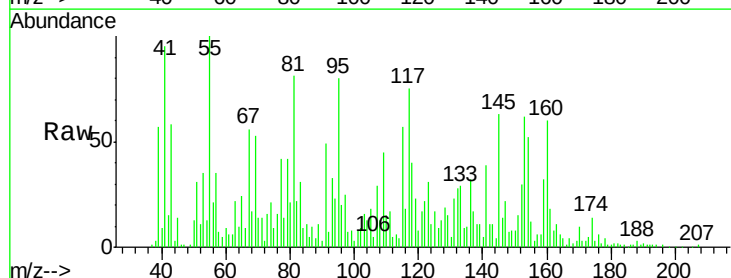
Instrument :  
BNA\_F  
ClientSampled :  
DAY-1

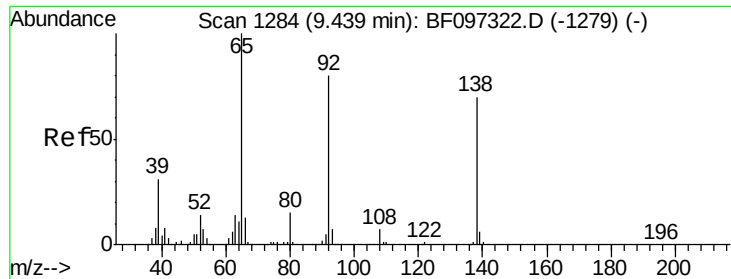
Tot Ion:165 Resp: 11943  
Ion Ratio Lower Upper  
165 100  
63 127.3 34.3 51.5#  
89 60.1 37.1 55.7#



#51  
Acenaphthene  
Concen: 4.29 ng  
RT: 9.46 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BF097566.D  
Acq: 10 Aug 2017 19:04

Tgt Ion:154 Resp: 40176  
Ion Ratio Lower Upper  
154 100  
153 118.7 90.5 135.7  
152 57.7 43.6 65.4

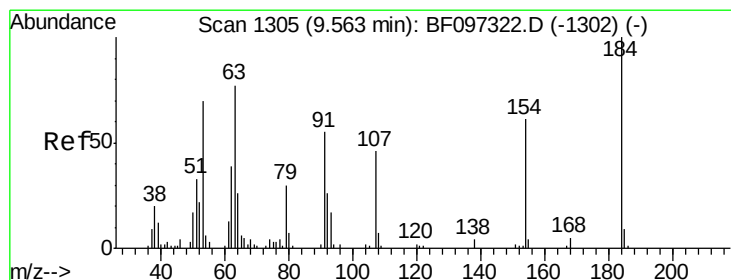
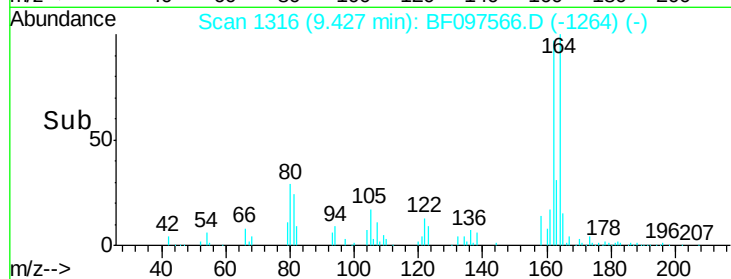
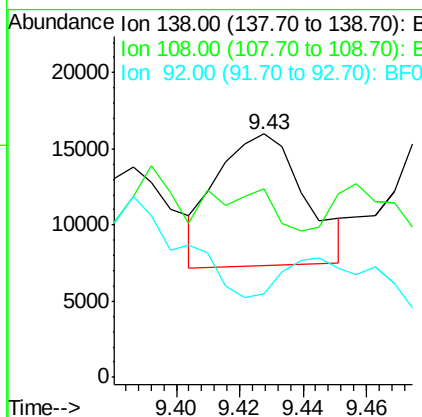
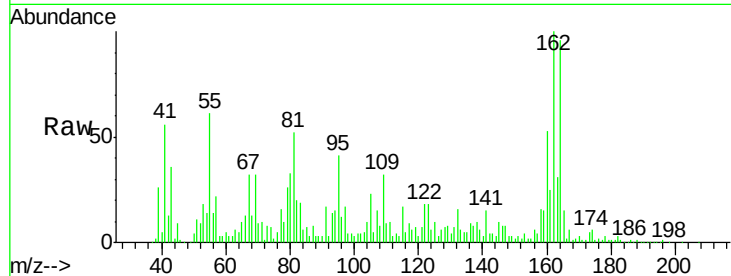




#52  
 3-Nitroaniline  
 Concen: 5.03 ng  
 RT: 9.43 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

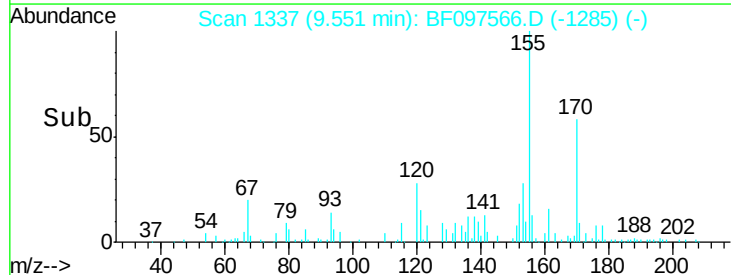
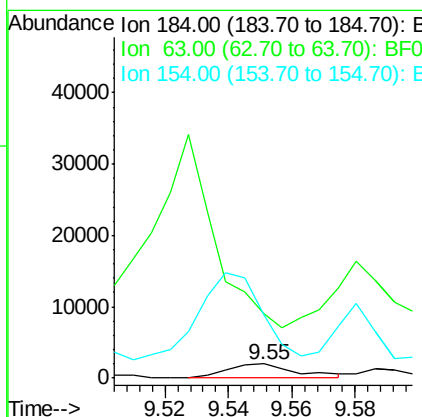
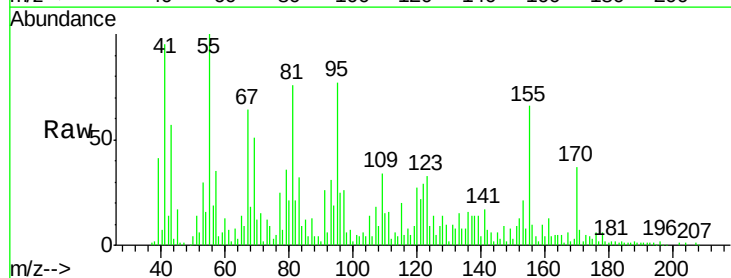
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

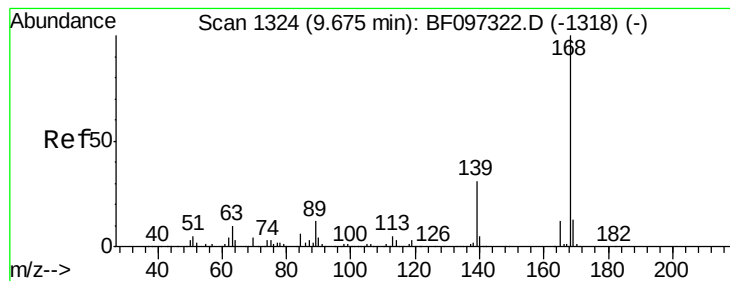
Tot Ion:138 Resp: 16563  
 Ion Ratio Lower Upper  
 138 100  
 108 77.6 9.1 13.7#  
 92 34.4 93.8 140.6#



#53  
 2,4-Dinitrophenol  
 Concen: 2.60 ng  
 RT: 9.55 min Scan# 1337  
 Delta R.T. 0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:184 Resp: 3133  
 Ion Ratio Lower Upper  
 184 100  
 63 447.7 62.7 94.1#  
 154 442.2 81.1 121.7#





#54

Dibenzofuran

Concen: 4.99 ng

RT: 9.63 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

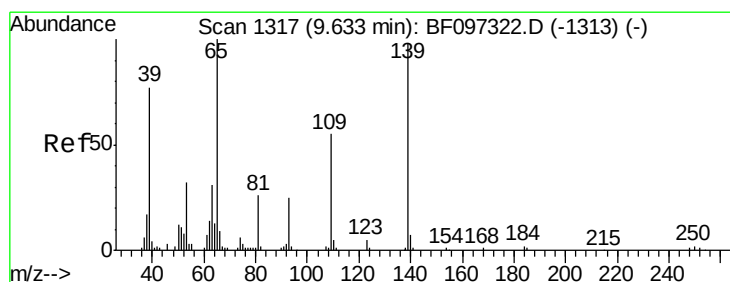
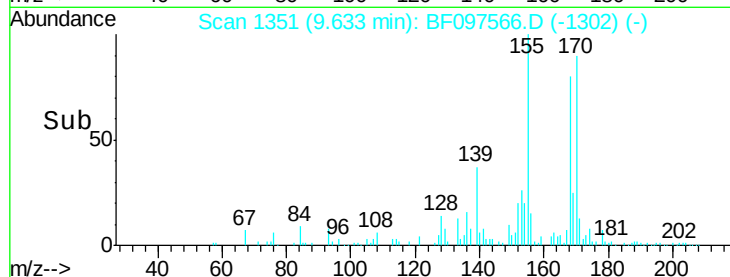
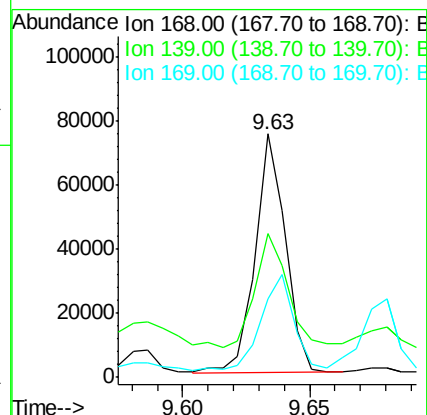
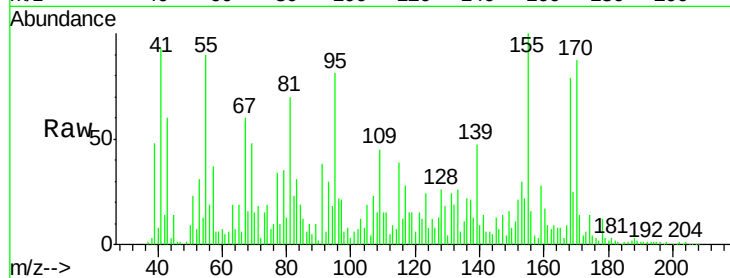
Tot Ion:168 Resp: 62164

Ion Ratio Lower Upper

168 100

139 59.2 30.6 45.8#

169 32.1 10.8 16.2#



#55

4-Nitrophenol

Concen: 8.08 ng

RT: 9.59 min Scan# 1343

Delta R.T. -0.04 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

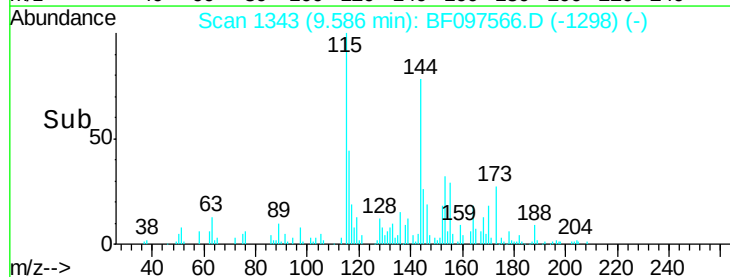
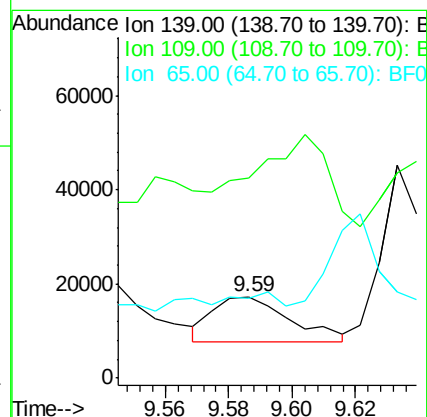
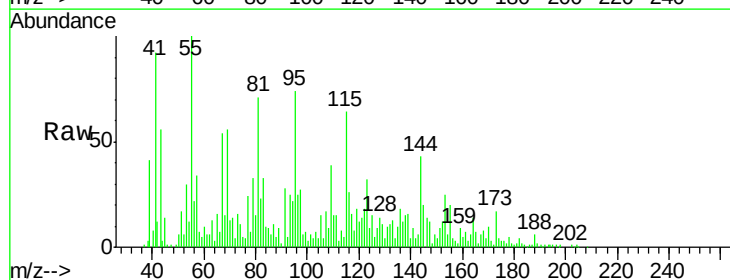
Tgt Ion:139 Resp: 15817

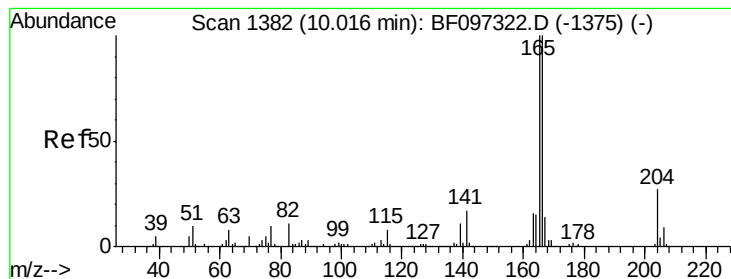
Ion Ratio Lower Upper

139 100

109 247.3 34.1 74.1#

65 98.8 31.4 71.4#





#57

Fluorene

Concen: 9.37 ng

RT: 9.97 min Scan# 1409

Delta R.T. -0.02 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

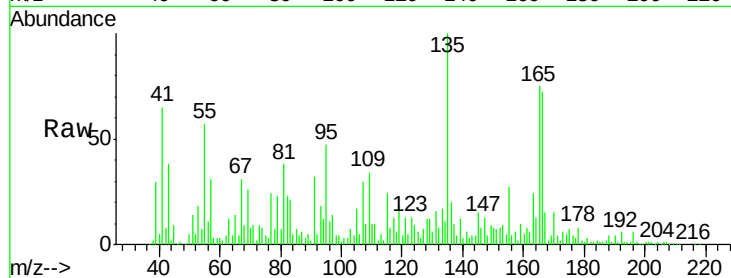
Tot Ion:166 Resp: 87788

Ion Ratio Lower Upper

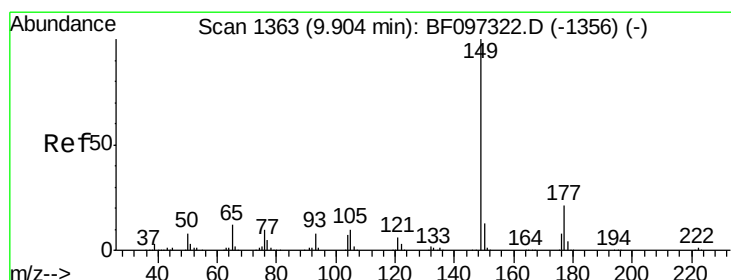
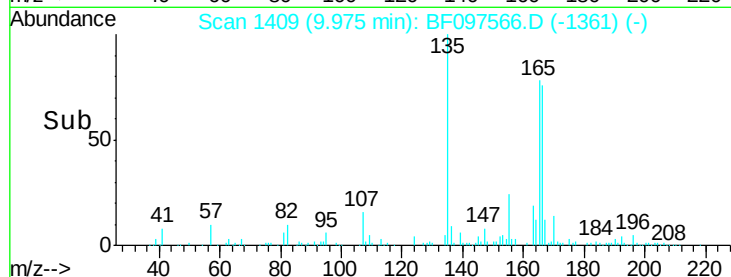
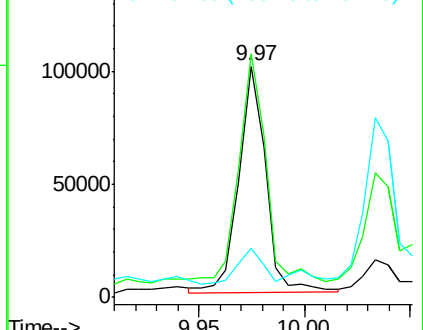
166 100

165 105.3 78.8 118.2

167 21.2 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 2.63 ng

RT: 9.90 min Scan# 1397

Delta R.T. 0.02 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

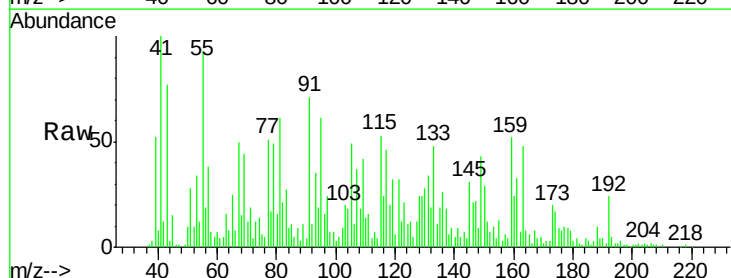
Tgt Ion:149 Resp: 30152

Ion Ratio Lower Upper

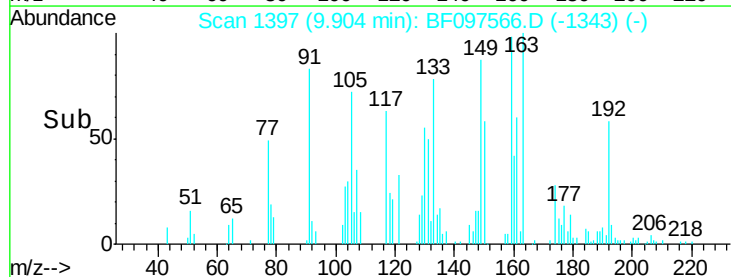
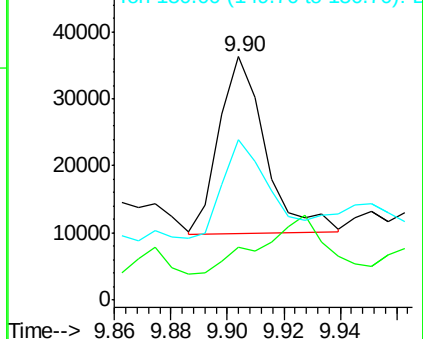
149 100

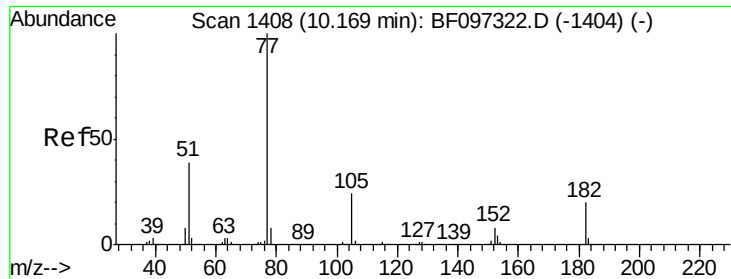
177 21.9 16.7 25.1

150 65.7 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 2.85 ng

RT: 10.11 min Scan# 1432

Delta R.T. -0.04 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampleId :

DAY-1

Tot Ion: 77 Resp: 30271

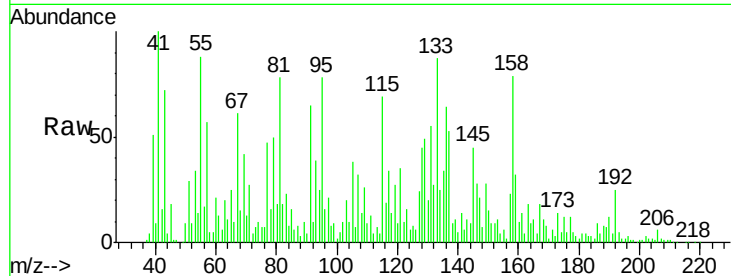
Ion Ratio Lower Upper

77 100

182 8.2 0.1 40.1

105 80.8 3.6 43.6#

51 61.5 9.4 49.4#

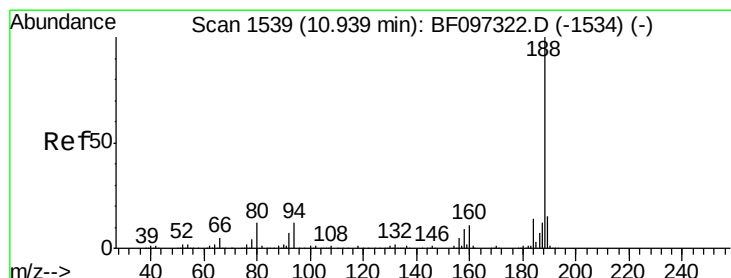
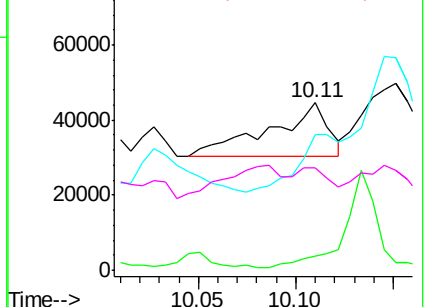
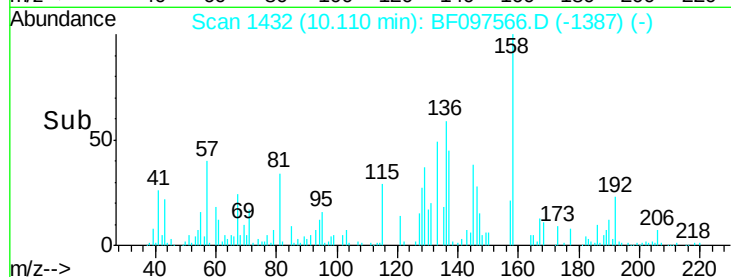


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.91 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

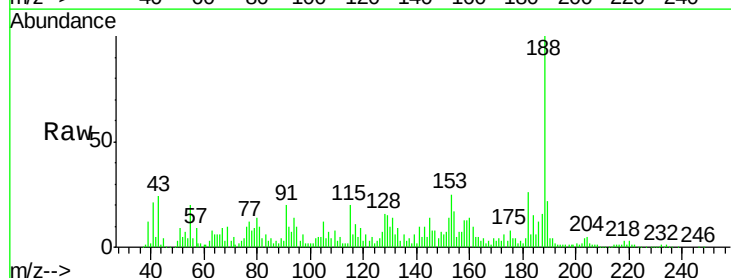
Tgt Ion: 188 Resp: 189512

Ion Ratio Lower Upper

188 100

94 14.1 9.4 14.2

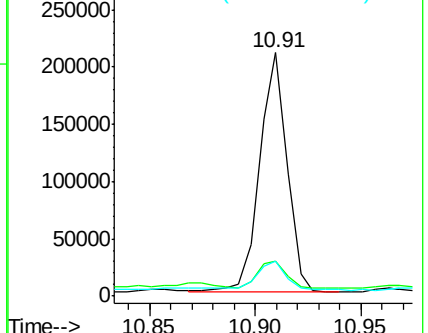
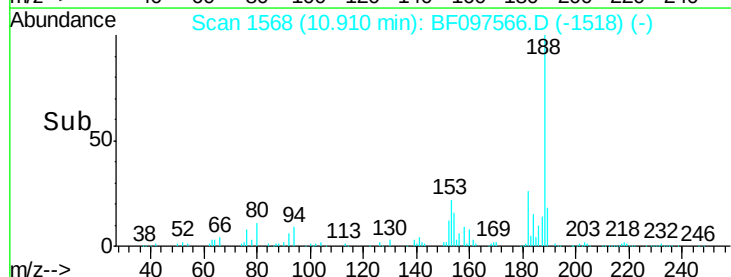
80 14.4 10.2 15.2



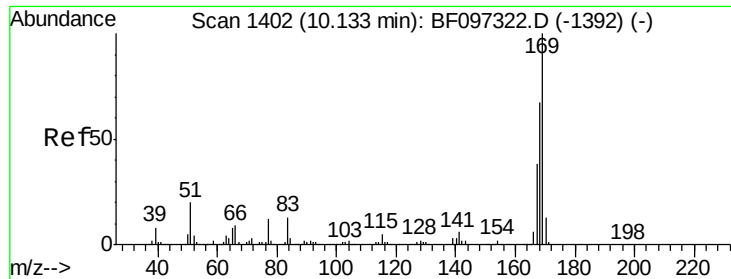
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



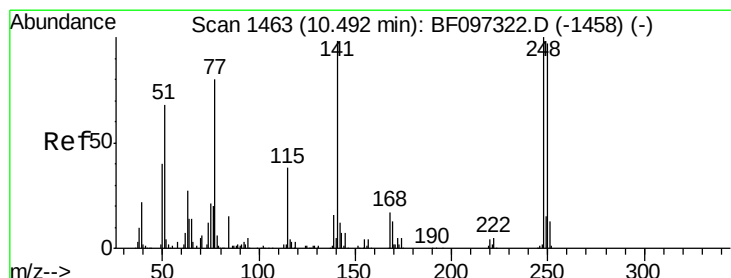
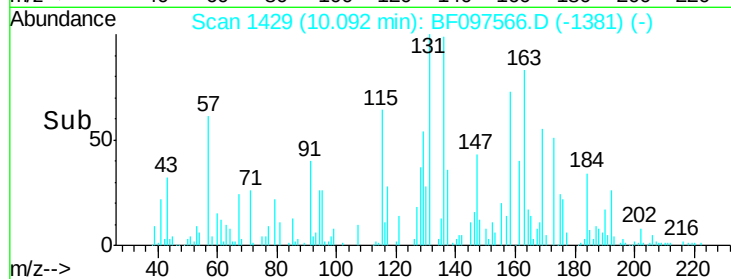
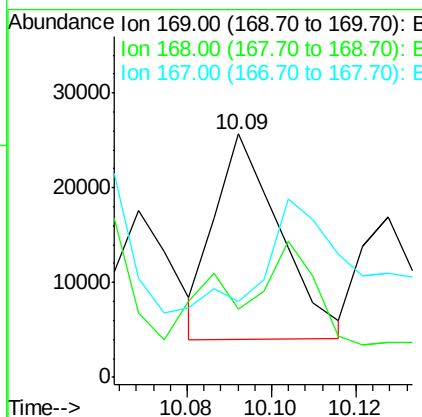
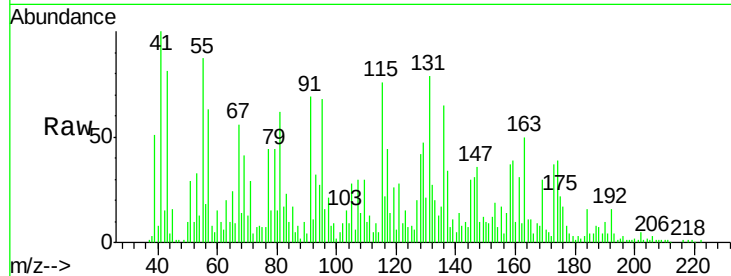




#65  
 n-Nitrosodiphenylamine  
 Concen: 3.49 ng  
 RT: 10.09 min Scan# 1429  
 Delta R.T. -0.02 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

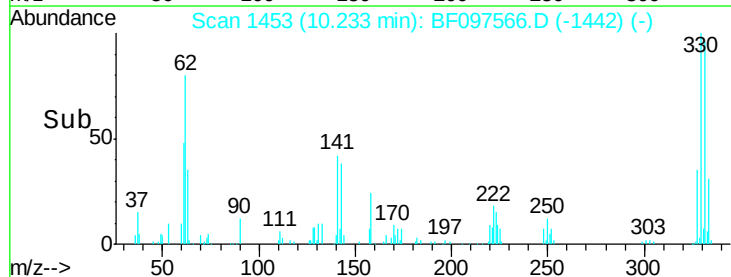
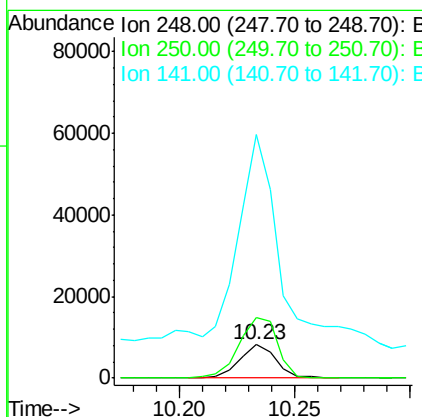
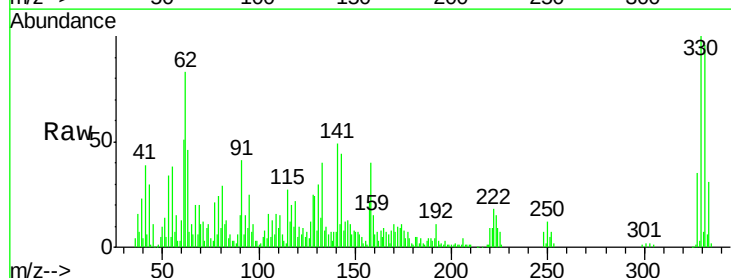
Instrument :  
 BNA\_F  
 ClientSampled :  
 DAY-1

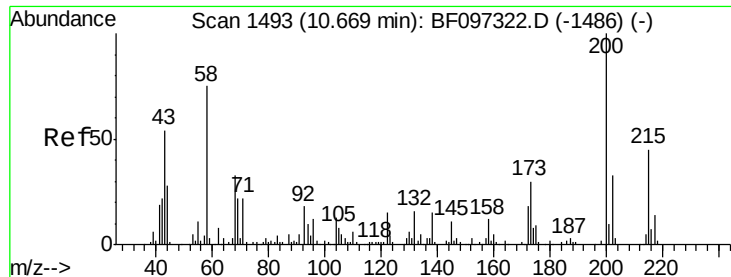
Tot Ion:169 Resp: 23016  
 Ion Ratio Lower Upper  
 169 100  
 168 27.9 53.2 79.8#  
 167 31.4 29.5 44.3



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.76 ng  
 RT: 10.23 min Scan# 1453  
 Delta R.T. -0.24 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:248 Resp: 8993  
 Ion Ratio Lower Upper  
 248 100  
 250 182.3 76.8 115.2#  
 141 726.7 68.6 103.0#

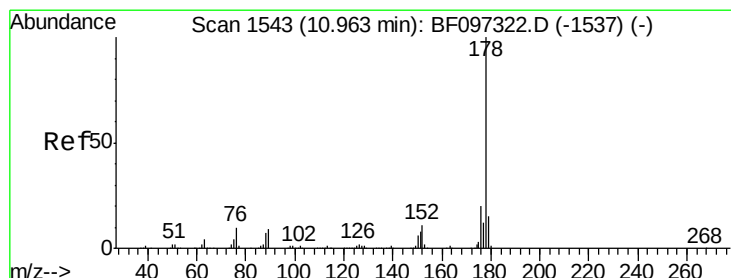
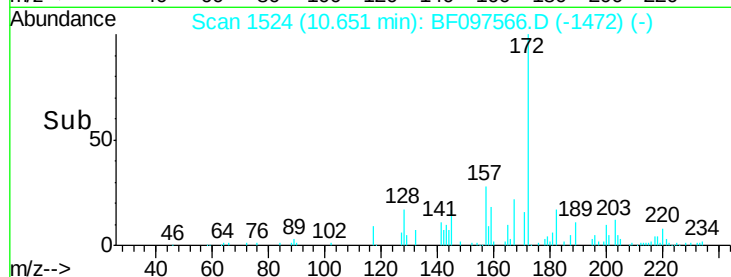
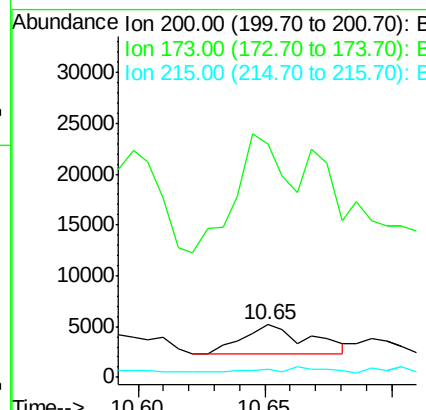
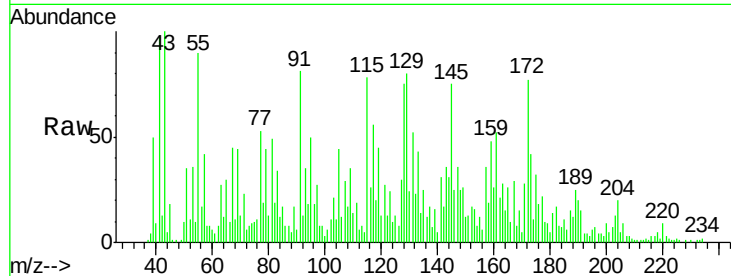




#68  
 Atrazine  
 Concen: 2.76 ng  
 RT: 10.65 min Scan# 1524  
 Delta R.T. 0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

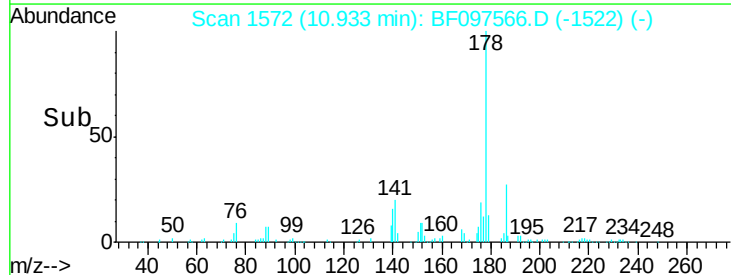
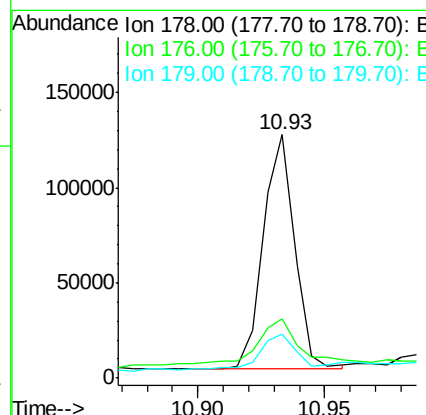
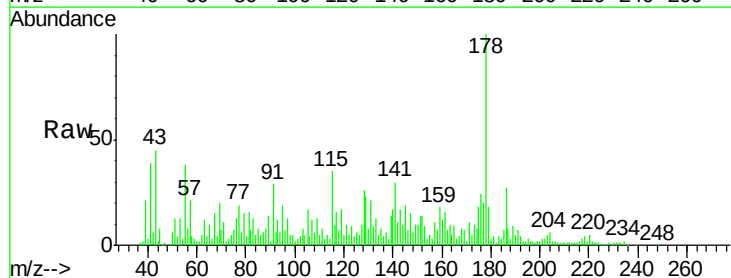
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

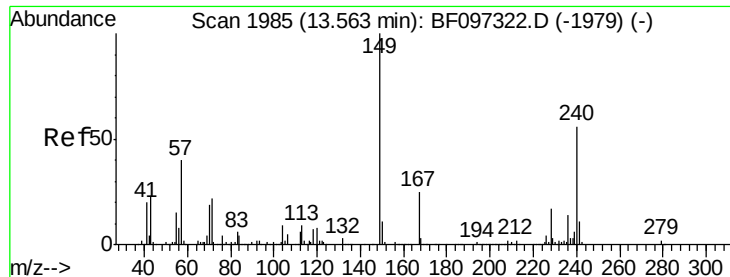
Tot Ion:200 Resp: 5220  
 Ion Ratio Lower Upper  
 200 100  
 173 443.8 6.3 46.3#  
 215 14.9 27.2 67.2#



#70  
 Phenanthrene  
 Concen: 10.54 ng  
 RT: 10.93 min Scan# 1572  
 Delta R.T. -0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Tgt Ion:178 Resp: 106992  
 Ion Ratio Lower Upper  
 178 100  
 176 24.1 16.2 24.4  
 179 18.1 12.6 19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.54 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

Instrument :

BNA\_F

ClientSampled :

DAY-1

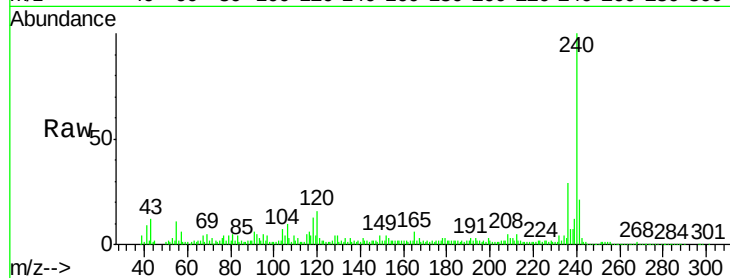
Tot Ion:240 Resp: 188157

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

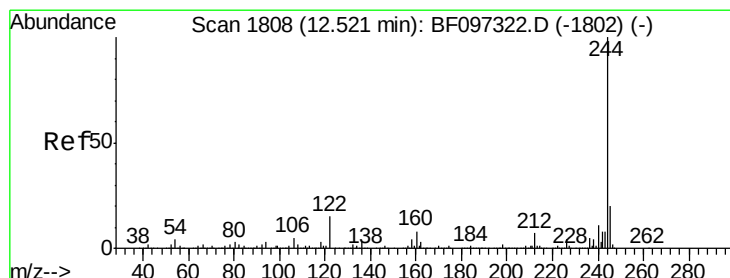
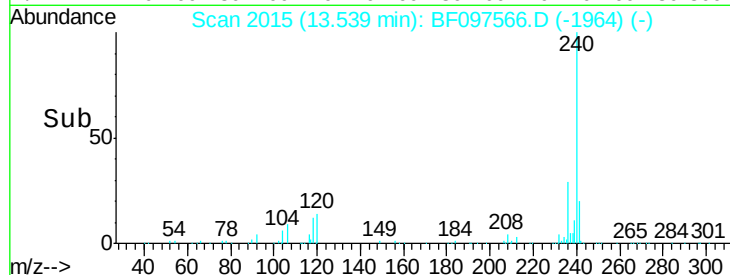
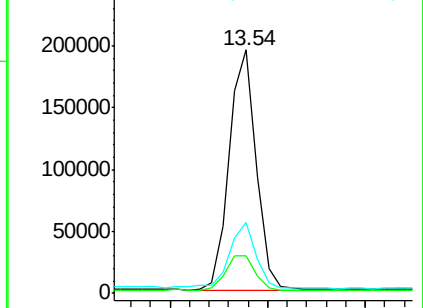
236 29.2 20.5 30.7



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: 41.65 ng

RT: 12.49 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF097566.D

Acq: 10 Aug 2017 19:04

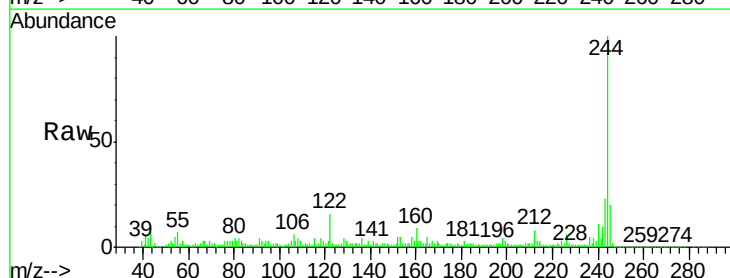
Tgt Ion:244 Resp: 384377

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

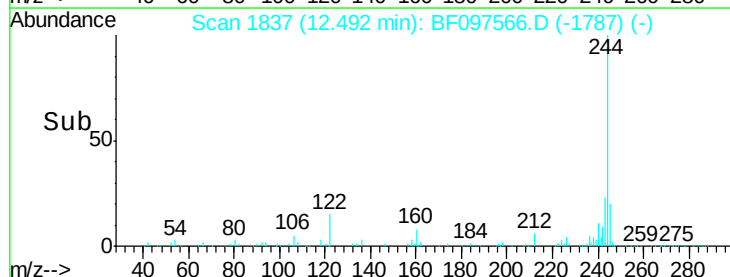
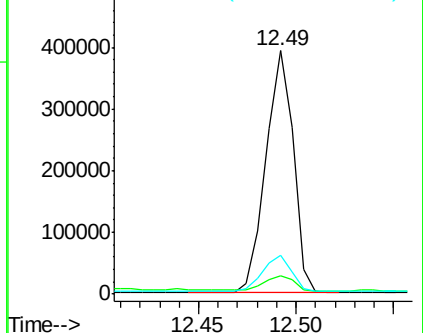
122 15.8 10.3 15.5#

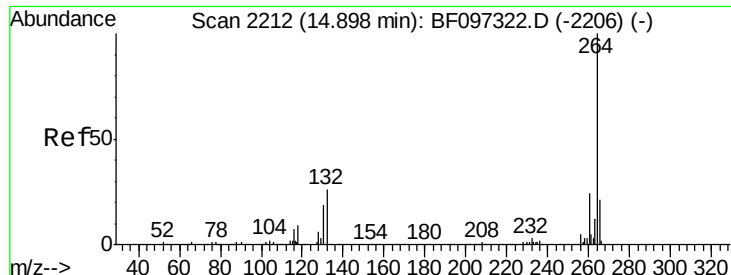


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.87 min Scan# 2242  
 Delta R.T. 0.01 min  
 Lab File: BF097566.D  
 Acq: 10 Aug 2017 19:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DAY-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.5  | 29.3  |
| 265     | 21.7  | 17.2  | 25.8  |

