

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\  
 Data File : BF097819.D  
 Acq On : 18 Aug 2017 7:25  
 Operator : SJ/JU  
 Sample : I4794-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-FLOOR

Quant Time: Aug 18 08:01:55 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

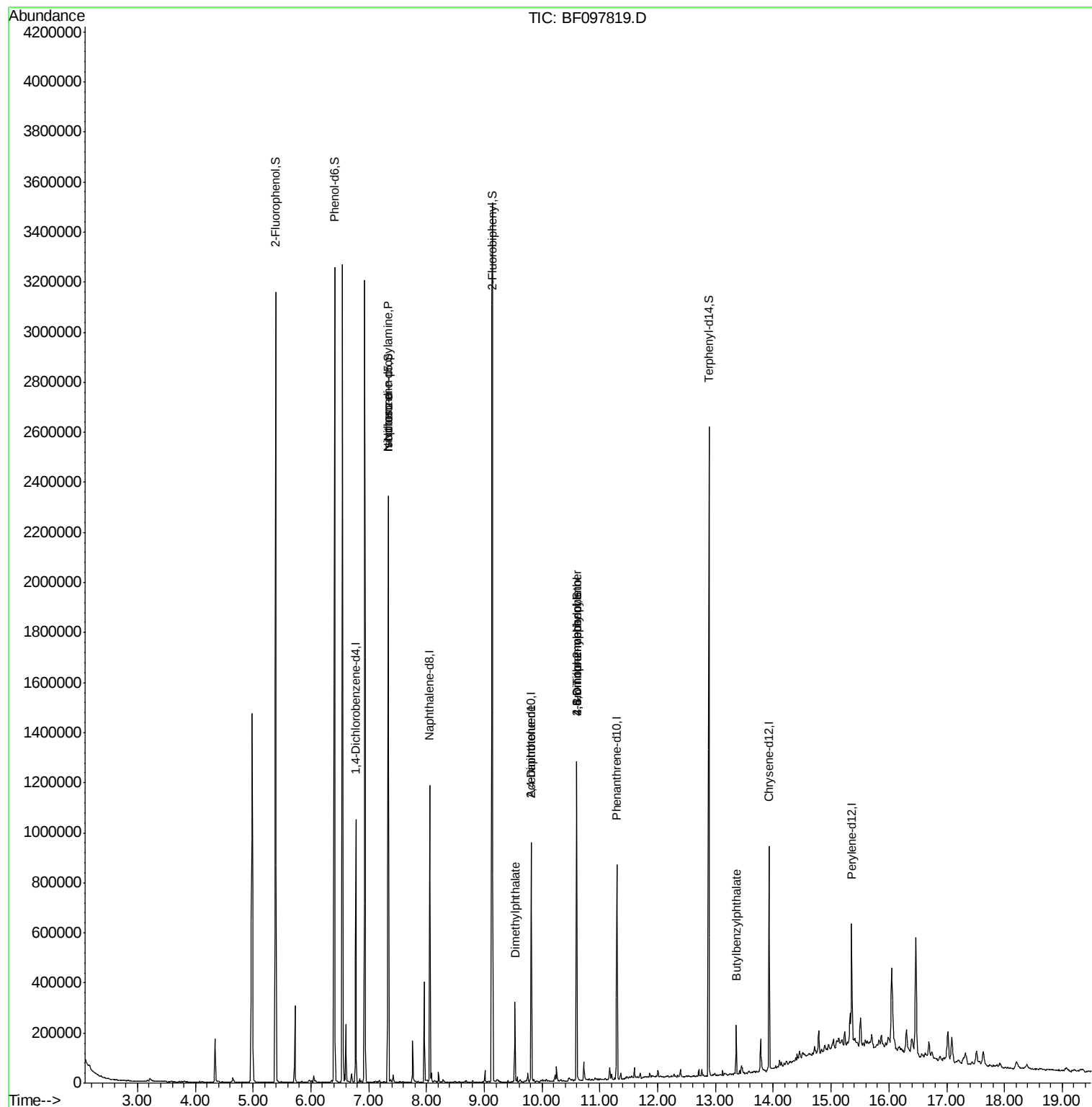
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 129317   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.06  | 136  | 471074   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.81  | 164  | 164121   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.29 | 188  | 278186   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 13.93 | 240  | 274578   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.36 | 264  | 198924   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 897748   | 105.60 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.41  | 99   | 1276889  | 110.54 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 848392   | 97.84  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.60 | 330  | 127430   | 89.49  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.14  | 172  | 1096046  | 98.12  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.89 | 244  | 837304   | 63.59  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 114072   | 14.43  | ng    | # 73     |
| 25) Isophorone                 | 7.34  | 82   | 845769   | 46.91  | ng    | # 67     |
| 49) Dimethylphthalate          | 9.53  | 163  | 103242   | 8.61   | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.81  | 165  | 21598    | 7.19   | ng    | # 34     |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198  | 193      | 8.44   | ng    | # 9      |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248  | 8205     | 2.84   | ng    | # 1      |
| 79) Butylbenzylphthalate       | 13.36 | 149  | 37464    | 4.35   | ng    | # 62     |

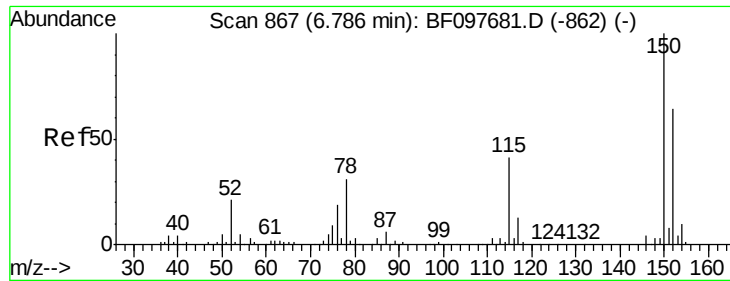
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M  
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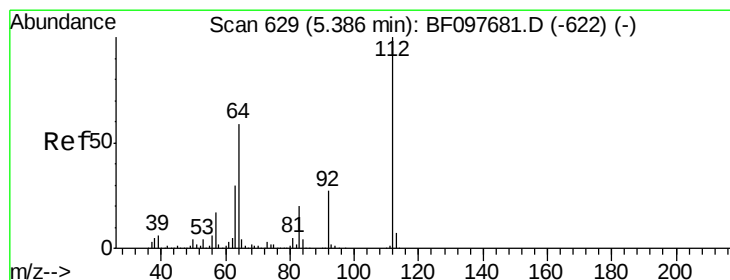
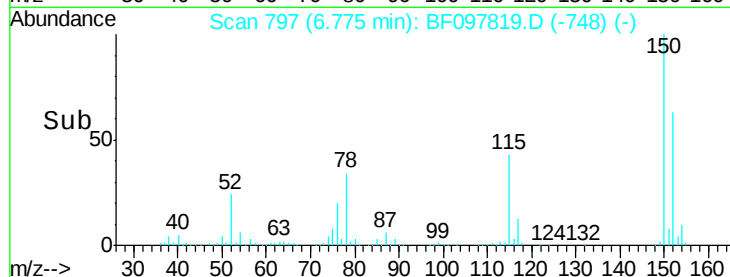
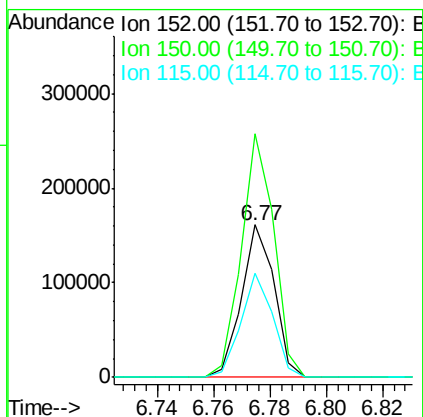
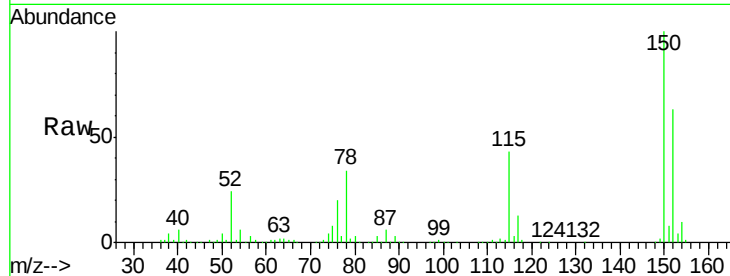


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.77 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF097819.D  
Acq: 18 Aug 2017 7:25

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-FLOOR

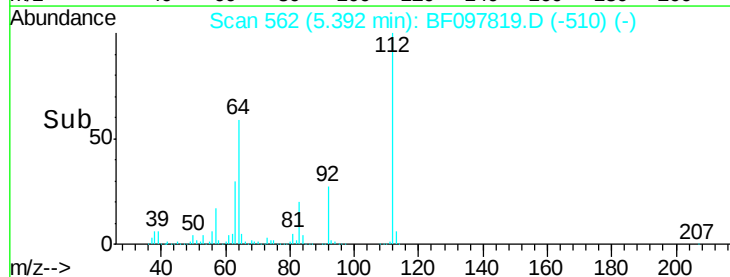
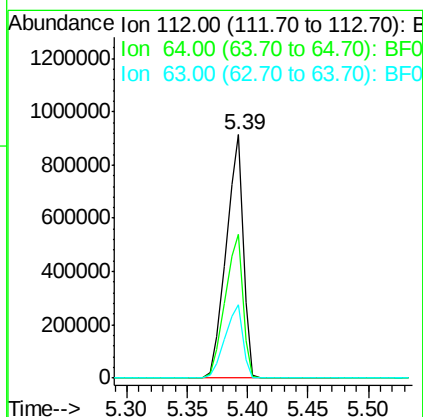
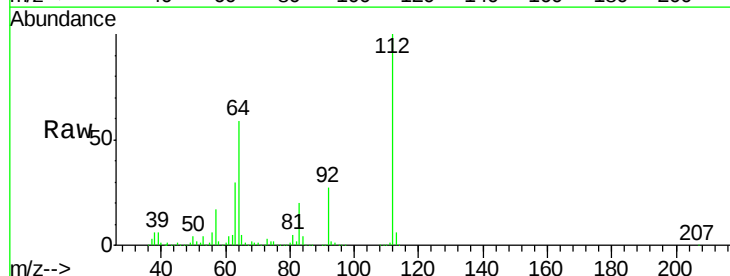
Tot Ion:152 Resp: 129317  
Ion Ratio Lower Upper  
152 100  
150 159.8 126.2 189.2  
115 68.5 52.2 78.2

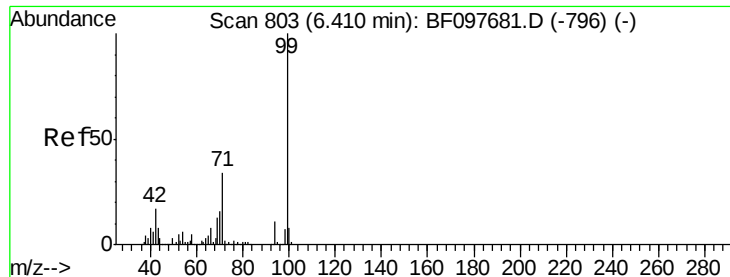


#5

2-Fluorophenol  
Concen: 105.60 ng  
RT: 5.39 min Scan# 562  
Delta R.T. 0.01 min  
Lab File: BF097819.D  
Acq: 18 Aug 2017 7:25

Tgt Ion:112 Resp: 897748  
Ion Ratio Lower Upper  
112 100  
64 58.9 46.0 69.0  
63 30.3 23.4 35.0





#7

Phenol-d6

Concen: 110.54 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-FLOOR

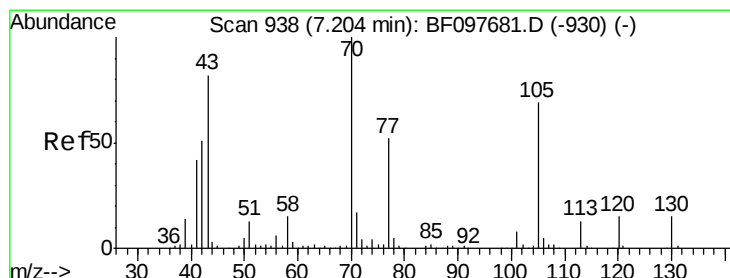
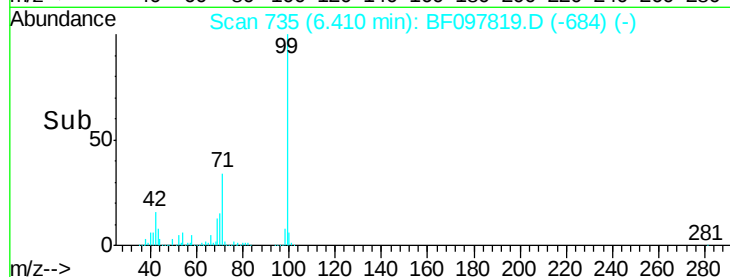
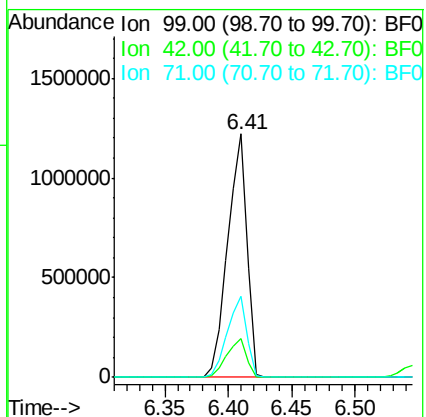
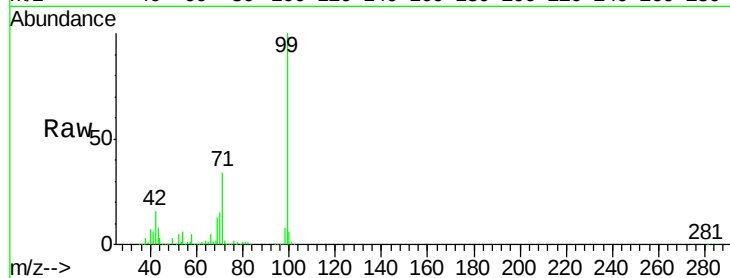
Tot Ion: 99 Resp: 1276889

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

71 33.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.43 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Tgt Ion: 70 Resp: 114072

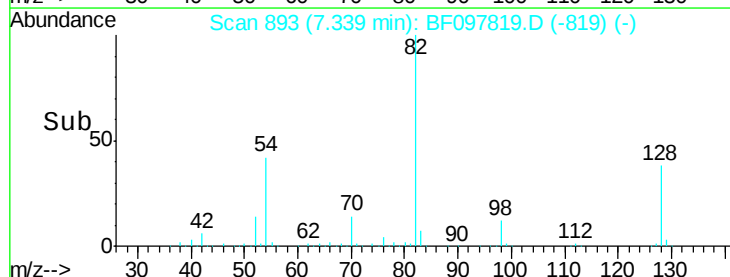
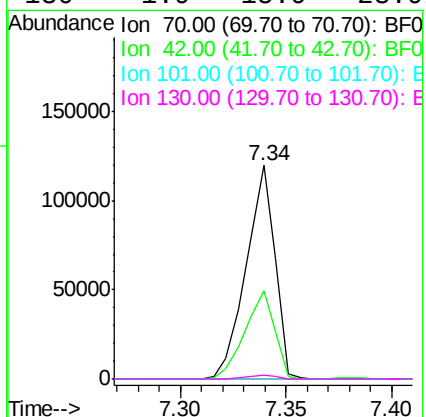
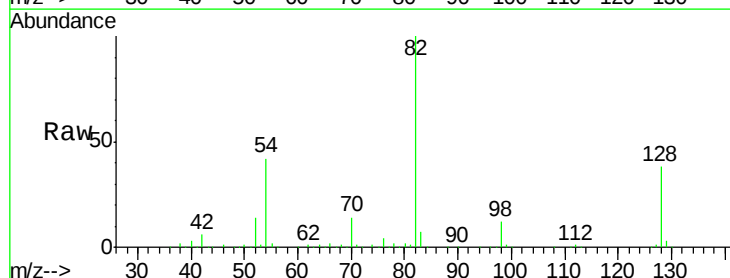
Ion Ratio Lower Upper

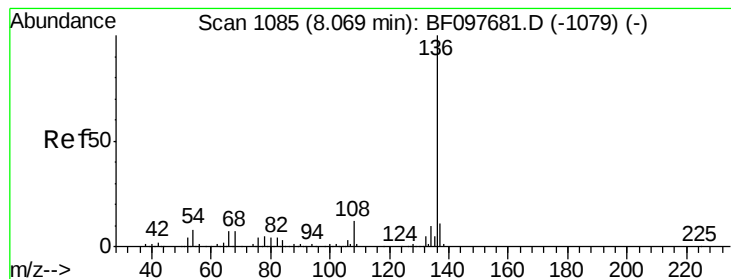
70 100

42 41.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-FLOOR

Tot Ion:136 Resp: 471074

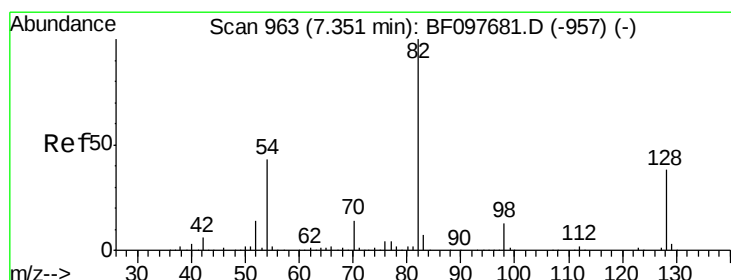
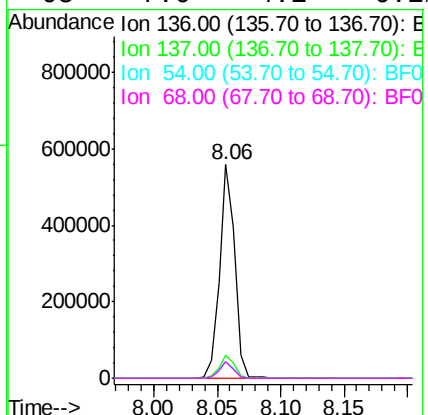
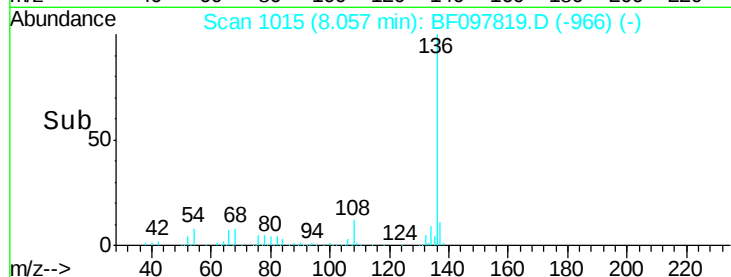
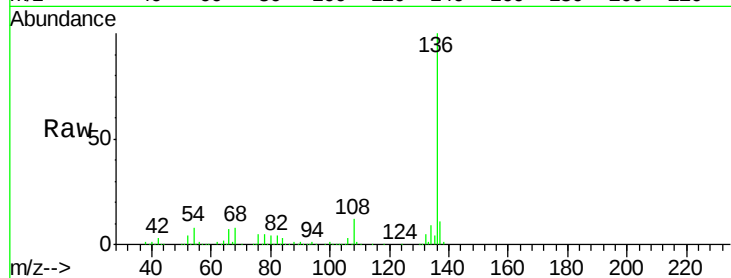
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.8 4.9 7.3#

68 7.6 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 97.84 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

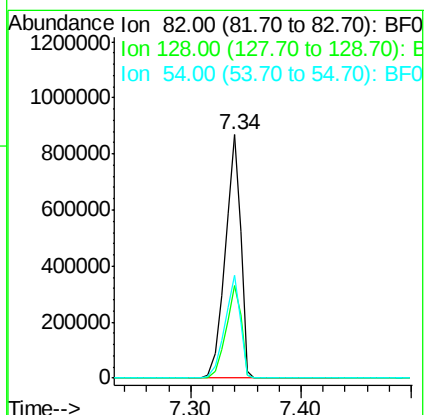
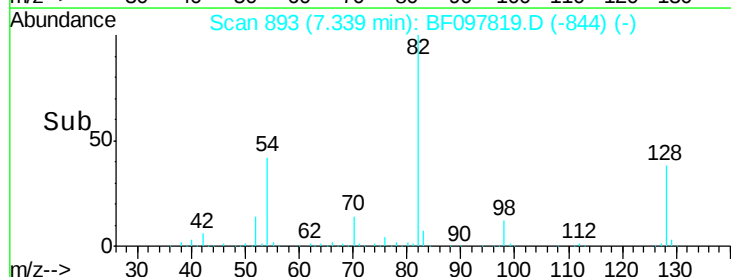
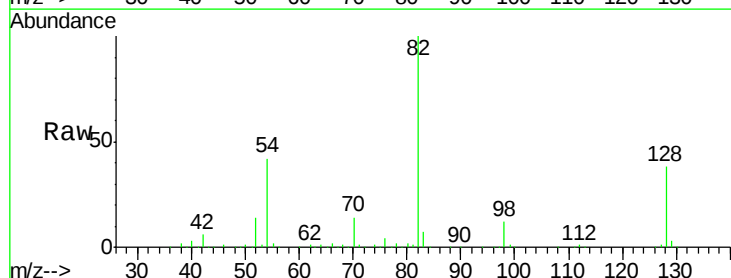
Tgt Ion: 82 Resp: 848392

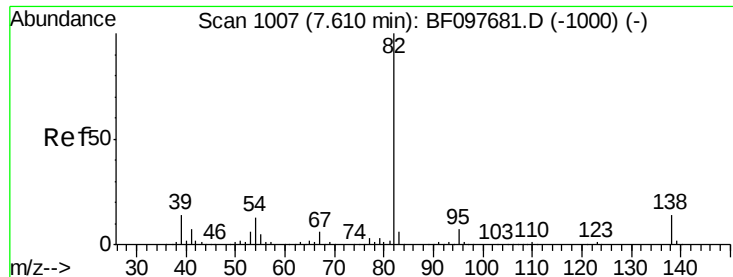
Ion Ratio Lower Upper

82 100

128 38.0 34.0 51.0

54 42.1 42.2 63.2#





#25

Isophorone

Concen: 46.91 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-FLOOR

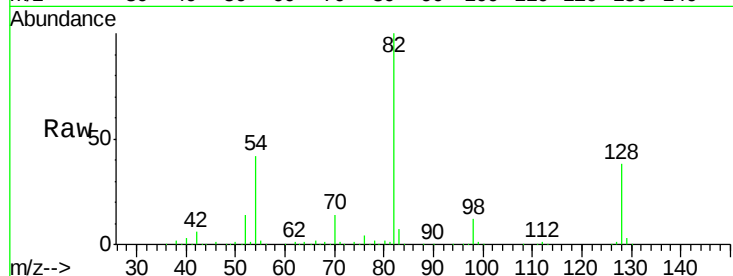
Tot Ion: 82 Resp: 845769

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

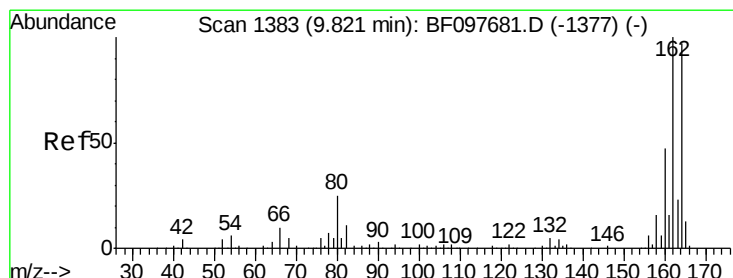
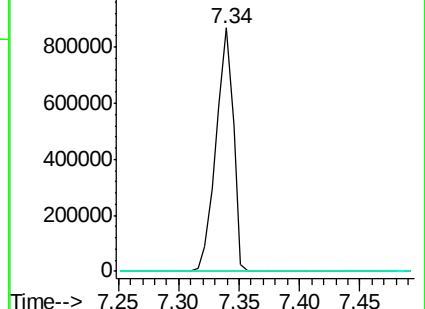
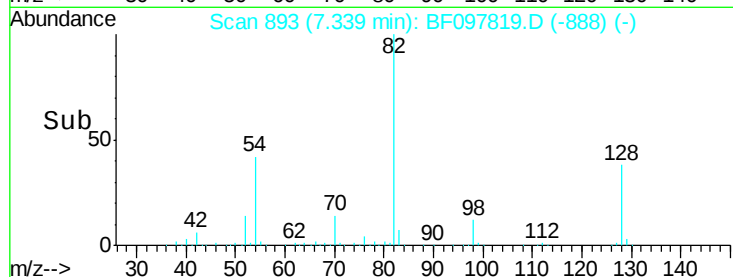
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF097819.D (-888) (-)

Ion 95.00 (94.70 to 95.70): BF097819.D (-888) (-)

Ion 138.00 (137.70 to 138.70): BF097819.D (-888) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

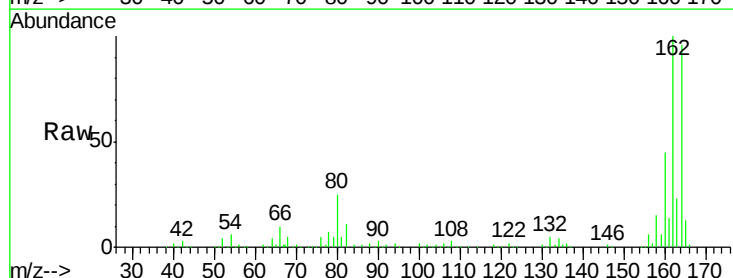
Tgt Ion: 164 Resp: 164121

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

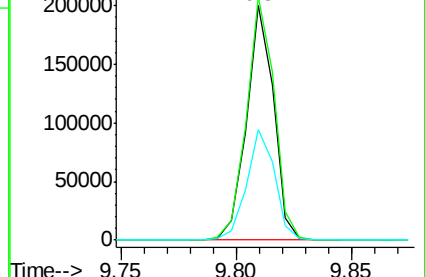
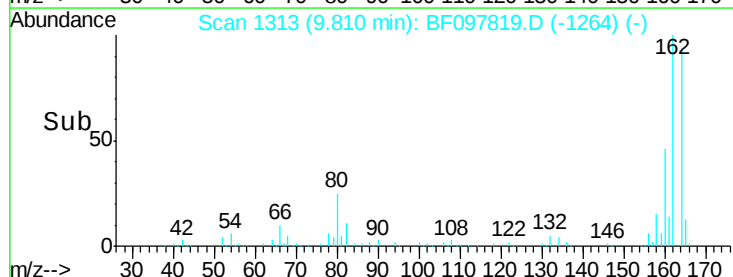
160 47.1 36.2 54.2

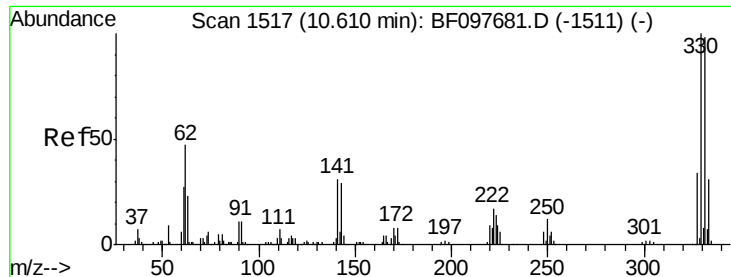


Abundance Ion 164.00 (163.70 to 164.70): BF097819.D (-1264) (-)

Ion 162.00 (161.70 to 162.70): BF097819.D (-1264) (-)

Ion 160.00 (159.70 to 160.70): BF097819.D (-1264) (-)

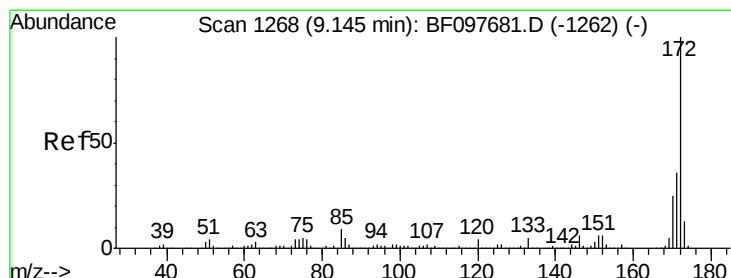
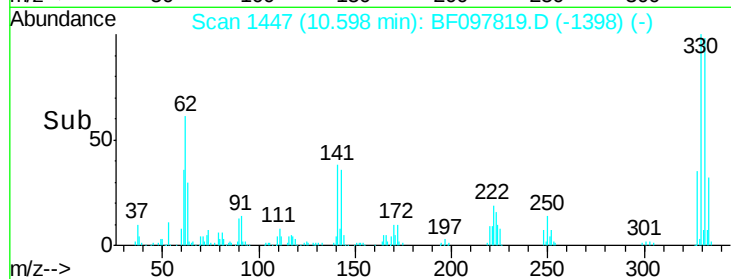
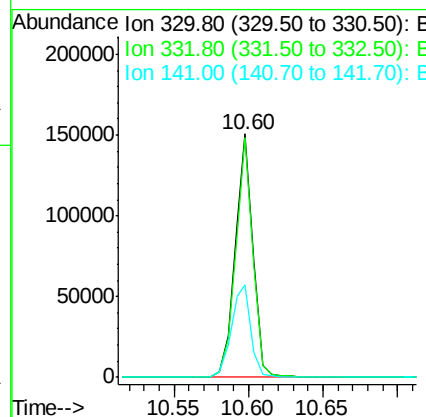
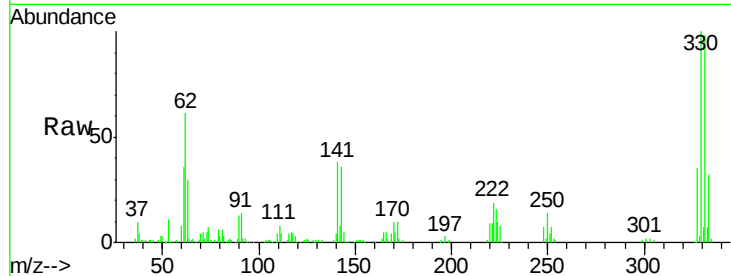




#41  
 2,4,6-Tribromophenol  
 Concen: 89.49 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.01 min  
 Lab File: BF097819.D  
 Acq: 18 Aug 2017 7:25

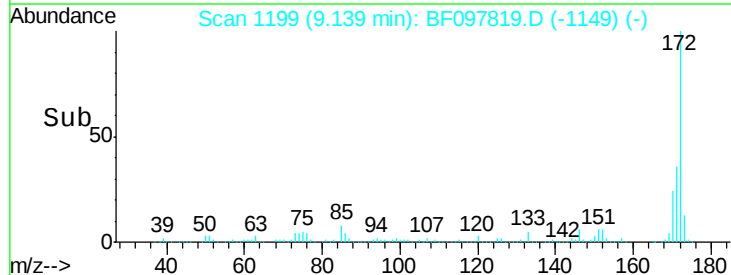
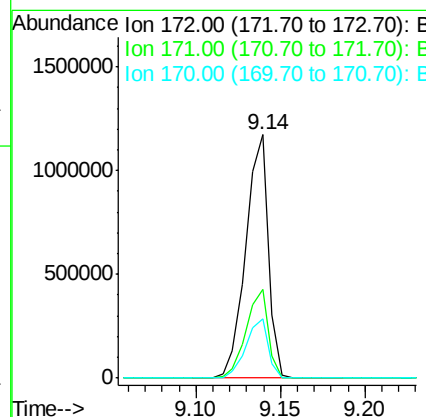
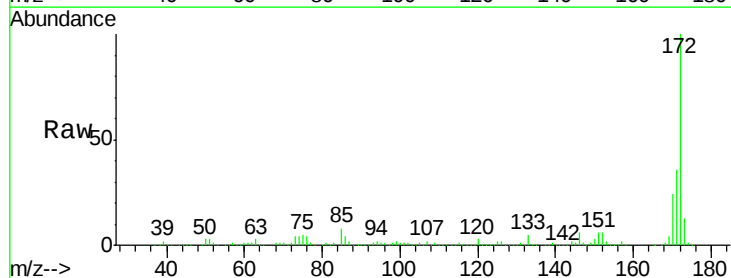
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-FLOOR

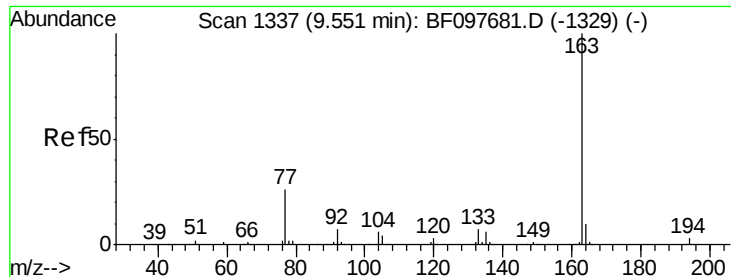
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 76.6  | 115.0 |
| 141     | 41.7  | 31.4  | 47.2  |



#44  
 2-Fluorobiphenyl  
 Concen: 98.12 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF097819.D  
 Acq: 18 Aug 2017 7:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.6  | 44.4  |
| 170     | 24.5  | 19.8  | 29.8  |





#49

Dimethylphthalate

Concen: 8.61 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-FLOOR

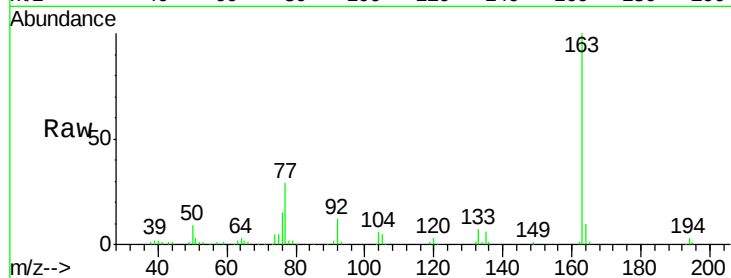
Tot Ion:163 Resp: 103242

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

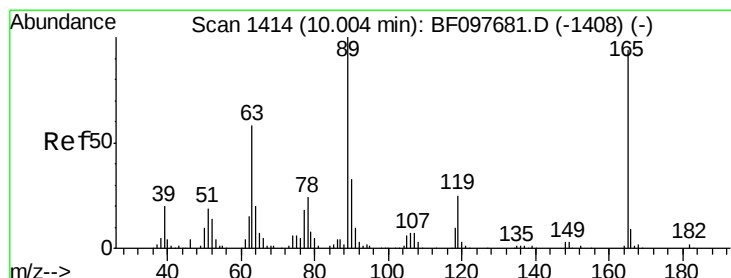
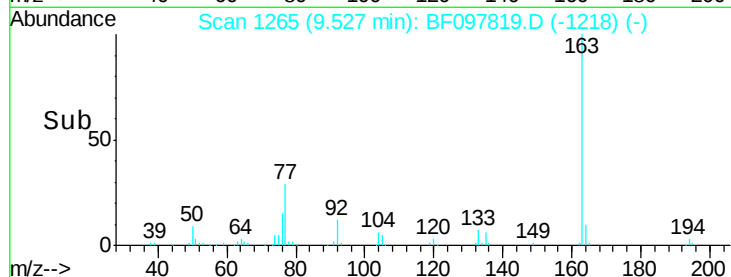
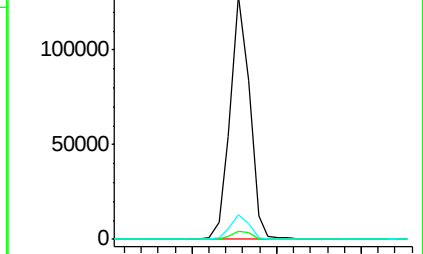
164 10.1 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 7.19 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Tgt Ion:165 Resp: 21598

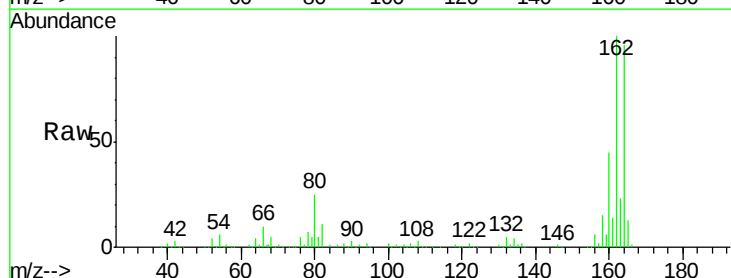
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

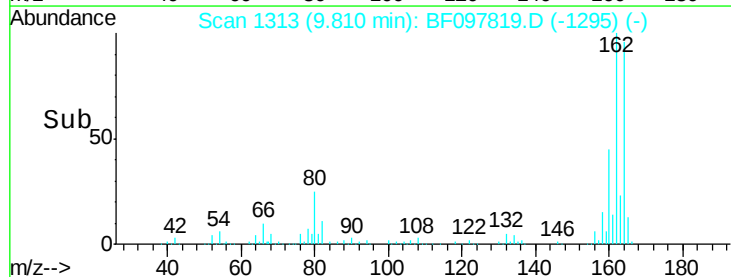
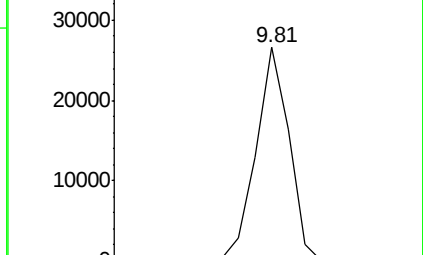


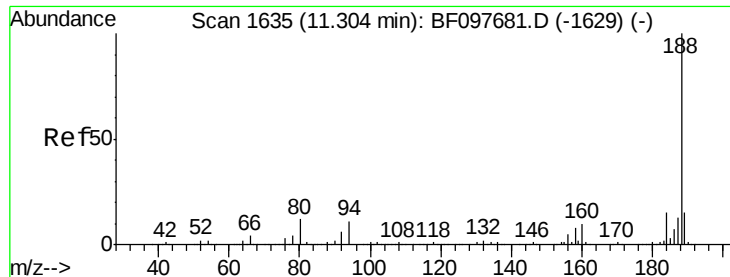
Abundance Ion 165.00 (164.70 to 165.70): E

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

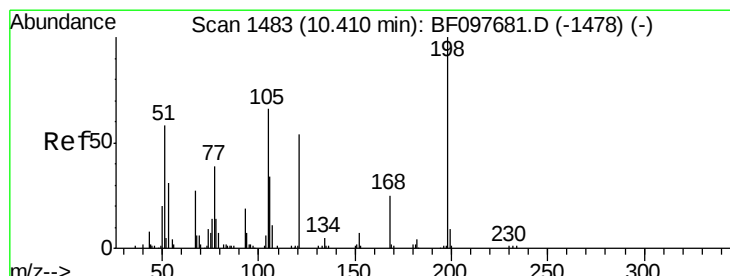
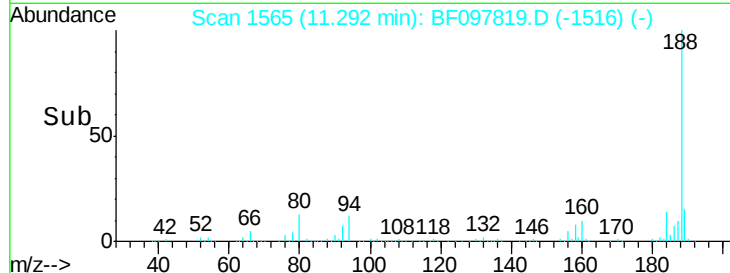
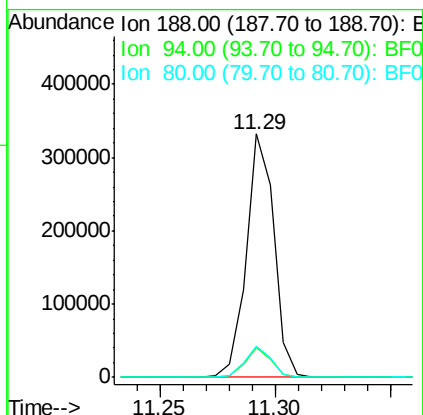
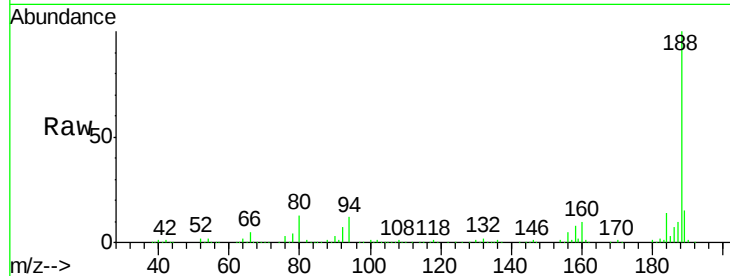




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.29 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BF097819.D  
Acq: 18 Aug 2017 7:25

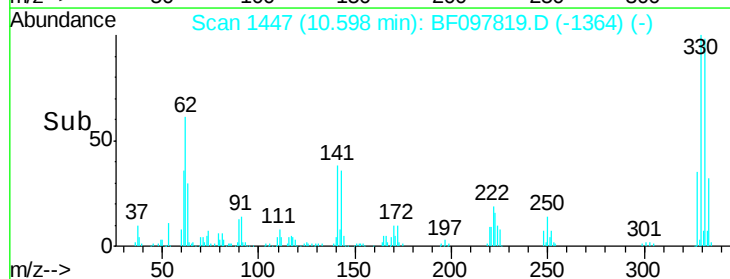
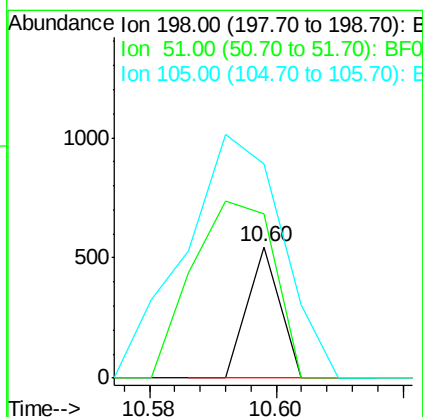
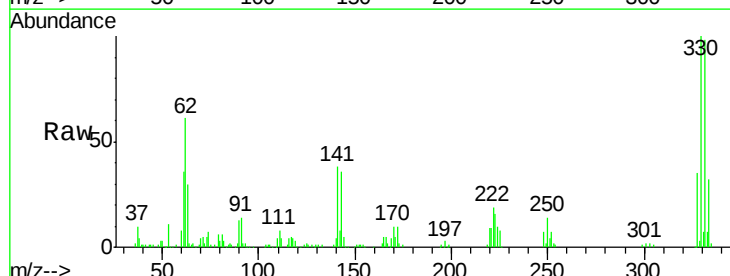
Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-FLOOR

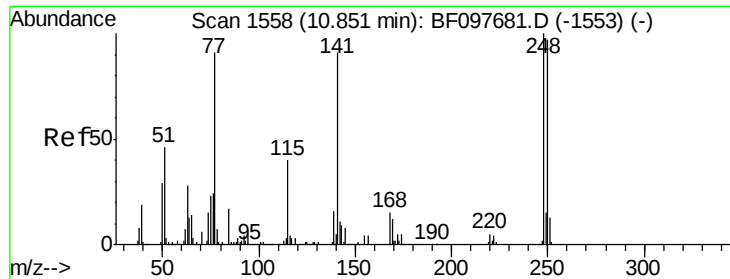
Tot Ion:188 Resp: 278186  
Ion Ratio Lower Upper  
188 100  
94 12.3 9.4 14.2  
80 13.0 10.2 15.2



#64  
4,6-Dinitro-2-methylphenol  
Concen: 8.44 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. 0.19 min  
Lab File: BF097819.D  
Acq: 18 Aug 2017 7:25

Tgt Ion:198 Resp: 193  
Ion Ratio Lower Upper  
198 100  
51 125.3 53.2 93.2#  
105 163.2 45.8 85.8#

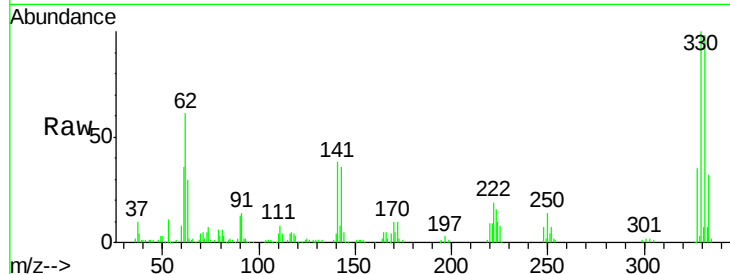




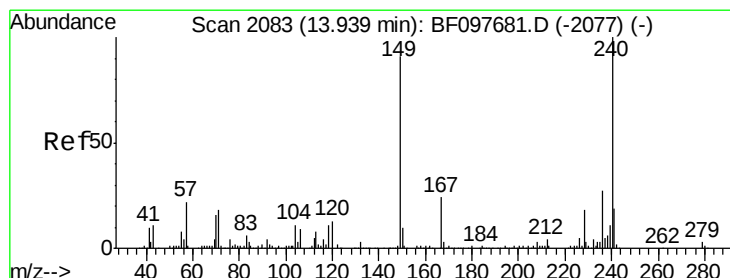
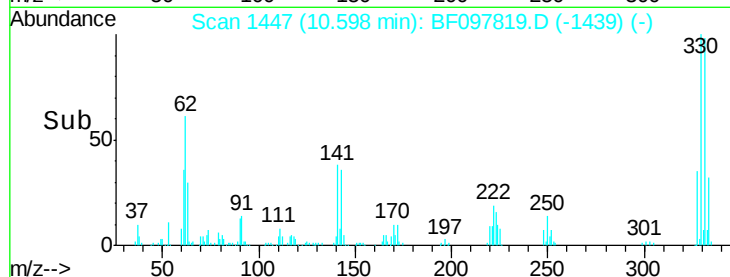
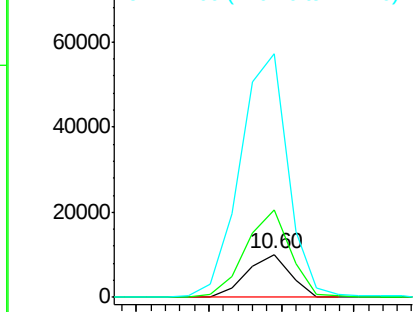
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.84 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.25 min  
 Lab File: BF097819.D  
 Acq: 18 Aug 2017 7:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONCRETE-FLOOR

Tot Ion:248 Resp: 8205  
 Ion Ratio Lower Upper  
 248 100  
 250 205.9 76.8 115.2#  
 141 571.1 68.6 103.0#

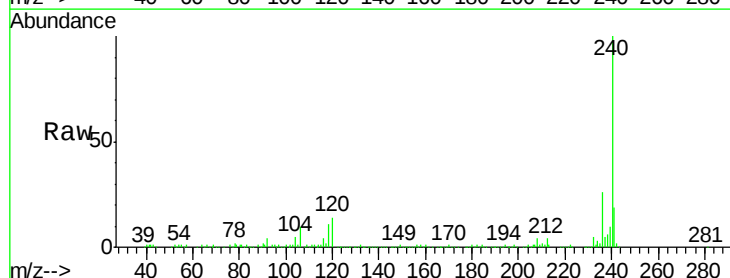


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

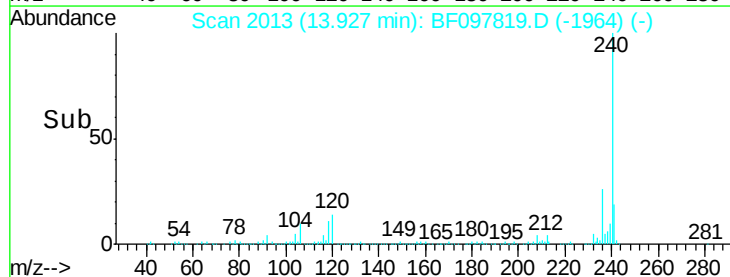
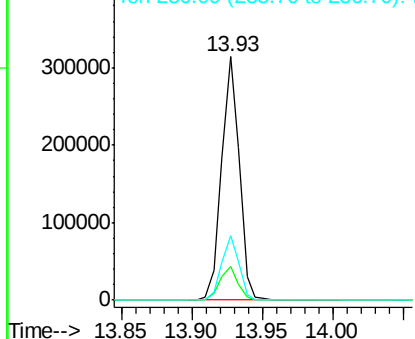


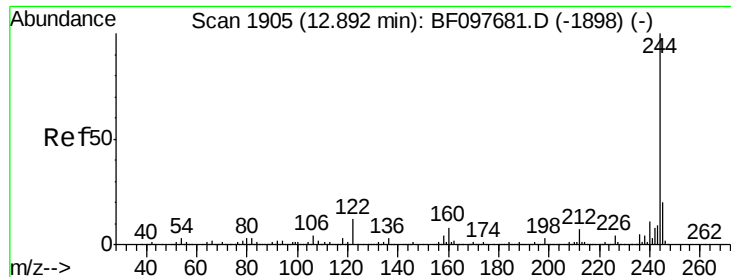
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.93 min Scan# 2013  
 Delta R.T. -0.01 min  
 Lab File: BF097819.D  
 Acq: 18 Aug 2017 7:25

Tgt Ion:240 Resp: 274578  
 Ion Ratio Lower Upper  
 240 100  
 120 13.7 5.8 8.8#  
 236 26.4 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: 63.59 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

Instrument :

BNA\_F

ClientSampleId :

CONCRETE-FLOOR

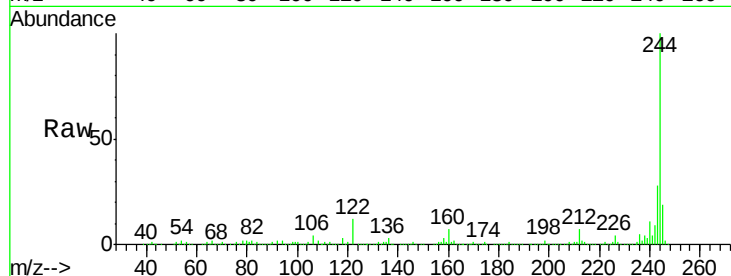
Tot Ion:244 Resp: 837304

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

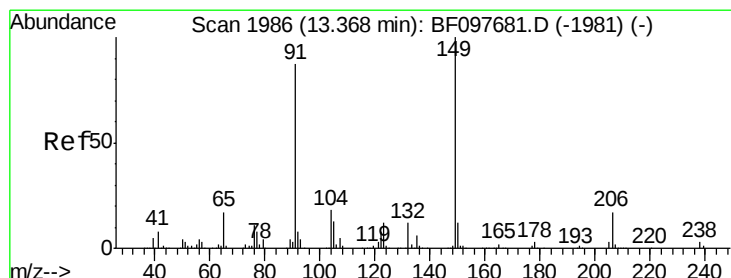
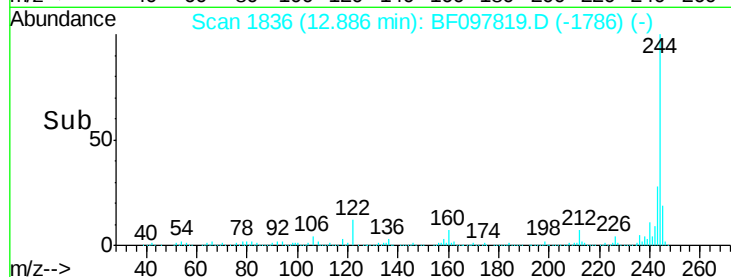
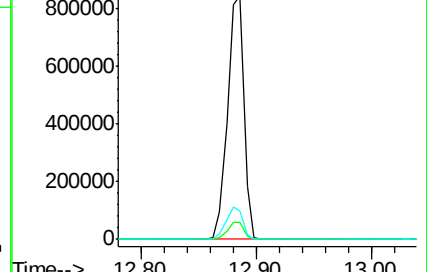
122 11.9 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 4.35 ng

RT: 13.36 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BF097819.D

Acq: 18 Aug 2017 7:25

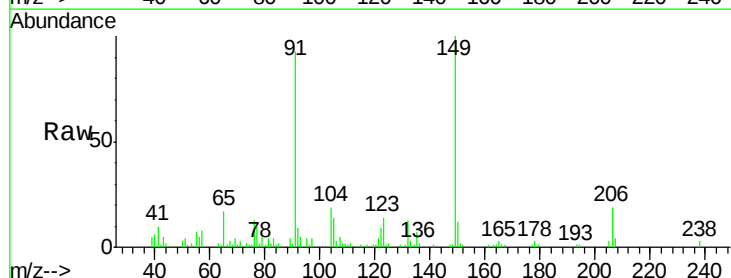
Tgt Ion:149 Resp: 37464

Ion Ratio Lower Upper

149 100

91 92.8 45.0 67.4#

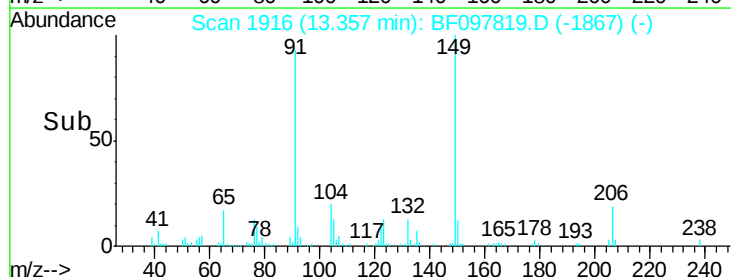
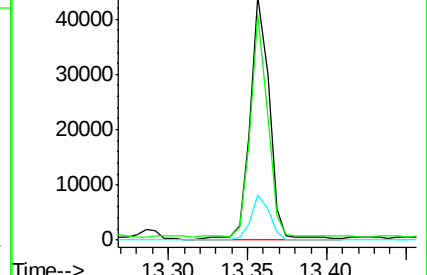
206 18.8 17.0 25.6

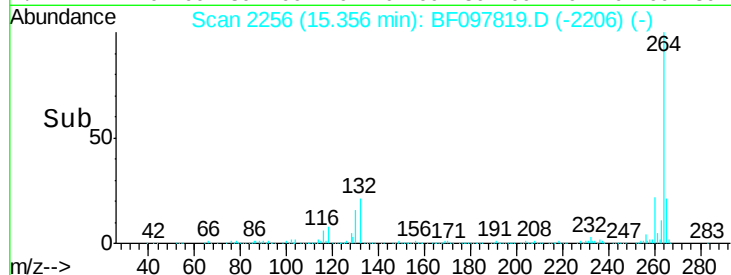
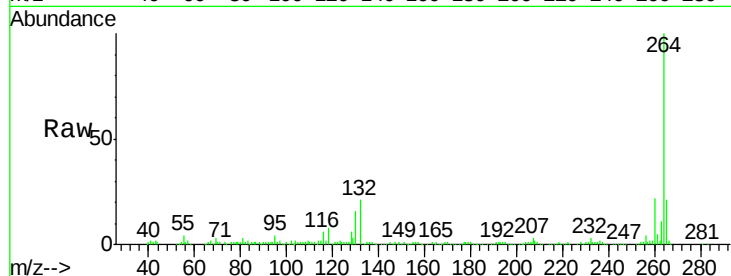
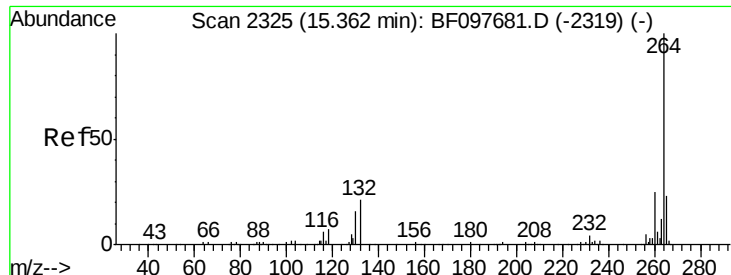


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BF097819.D  
Acq: 18 Aug 2017 7:25

Instrument :  
BNA\_F  
ClientSampleId :  
CONCRETE-FLOOR

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 198924 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.4  | 19.5  | 29.3   |
| 265      | 20.7  | 17.2  | 25.8   |

