

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\  
 Data File : BF097704.D  
 Acq On : 15 Aug 2017 21:25  
 Operator : SJ/JU  
 Sample : I4700-01RE 10X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-01-080917-A

Quant Time: Aug 16 03:55:07 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

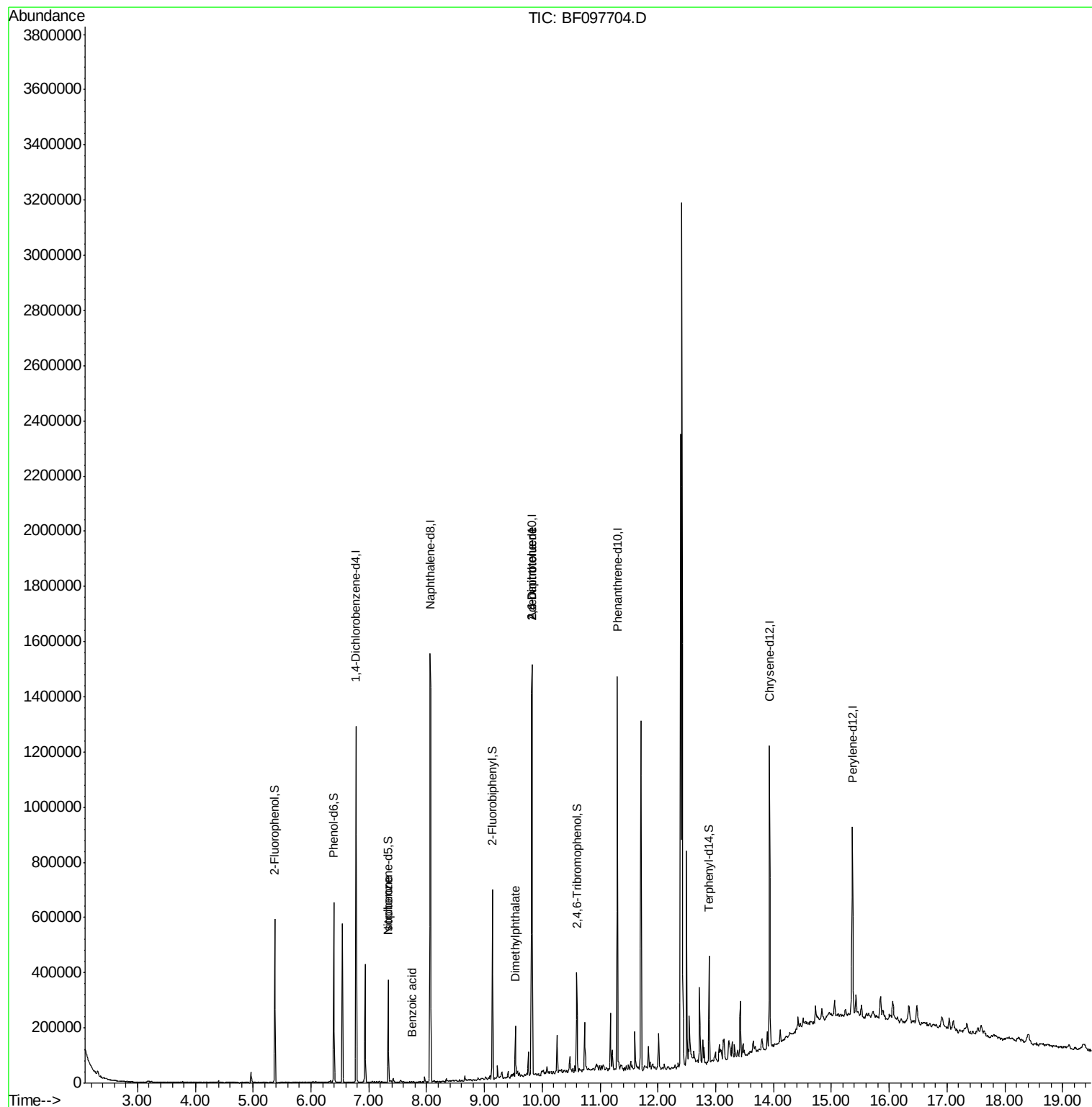
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 165340   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 650761   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.82  | 164  | 282053   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 479918   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.93 | 240  | 328332   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.36 | 264  | 320813   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 140595   | 12.93 | ng    | -0.01    |
| 7) Phenol-d6                | 6.40  | 99   | 190101   | 12.87 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.34  | 82   | 102592   | 8.56  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.60 | 330  | 27428    | 11.21 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 165904   | 8.64  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.89 | 244  | 99568    | 6.32  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.34  | 82   | 102589   | 4.12  | ng    | # 67     |
| 32) Benzoic acid            | 7.74  | 122  | 143      | 6.42  | ng    | 95       |
| 49) Dimethylphthalate       | 9.53  | 163  | 54238    | 2.63  | ng    | # 99     |
| 50) 2,6-Dinitrotoluene      | 9.82  | 165  | 37386    | 9.08  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene      | 9.82  | 165  | 37386    | 7.24  | ng    | # 33     |

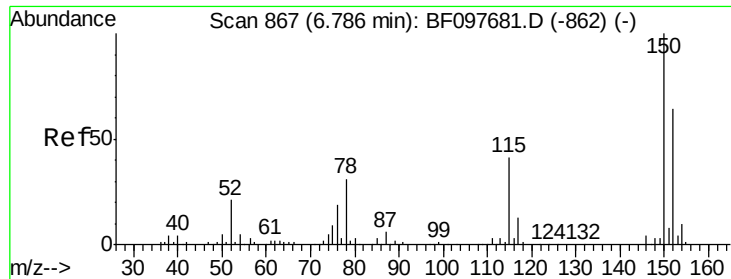
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

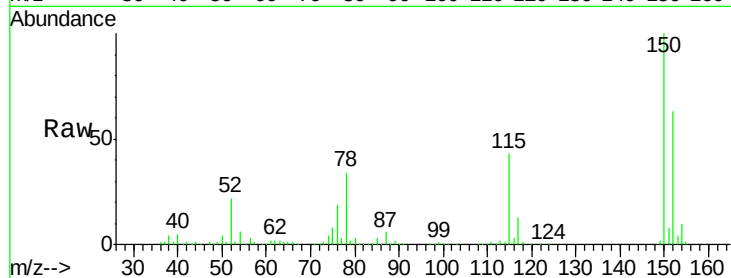
Tot Ion:152 Resp: 165340

Ion Ratio Lower Upper

152 100

150 159.3 126.2 189.2

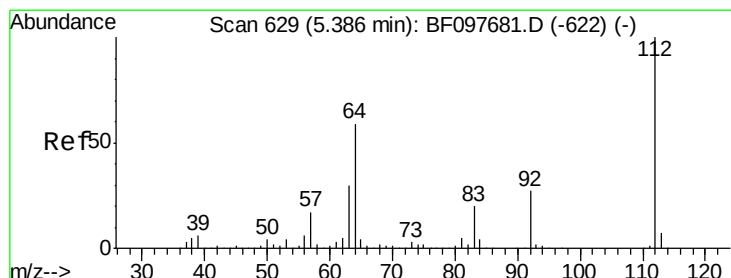
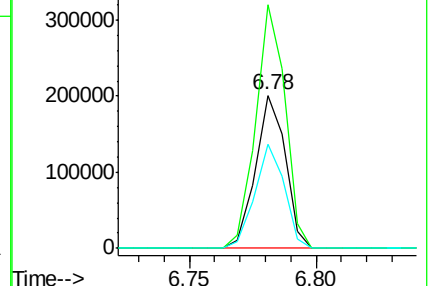
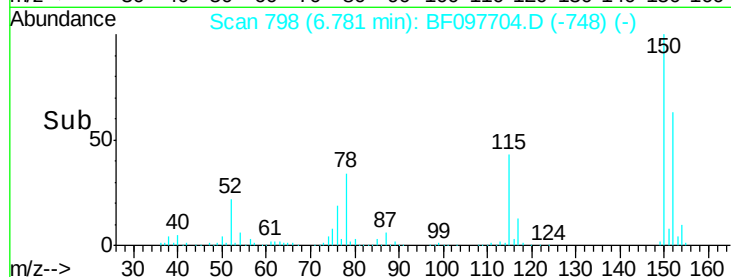
115 67.8 52.2 78.2



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: 12.93 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

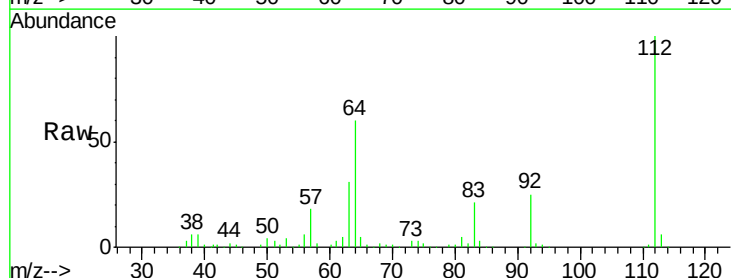
Tgt Ion:112 Resp: 140595

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

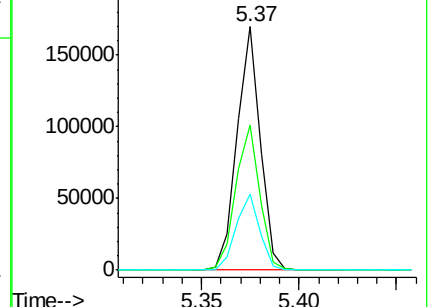
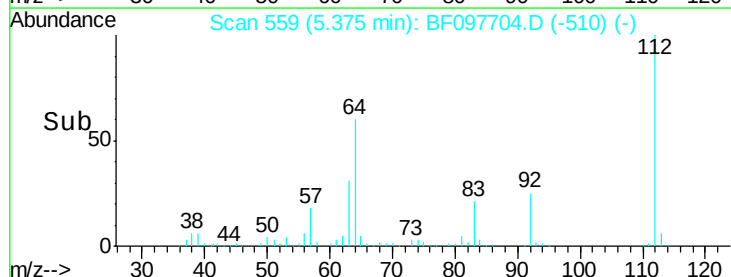
63 31.3 23.4 35.0

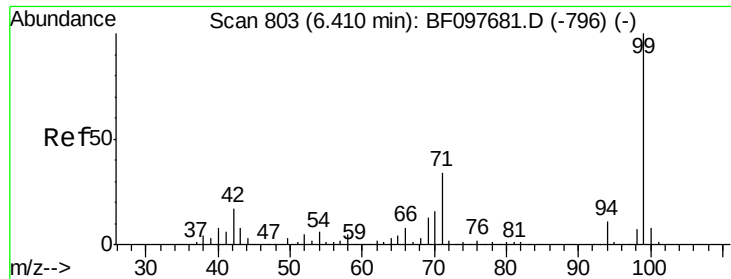


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.87 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

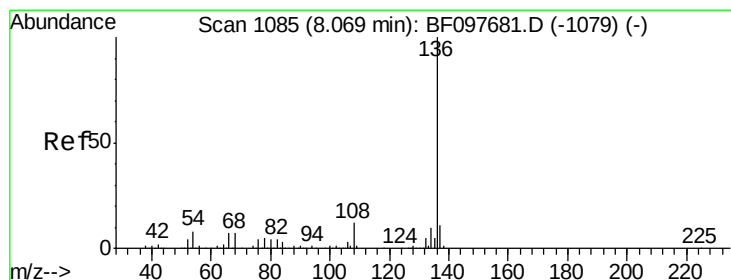
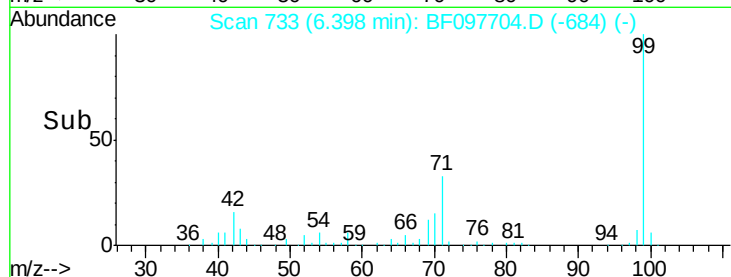
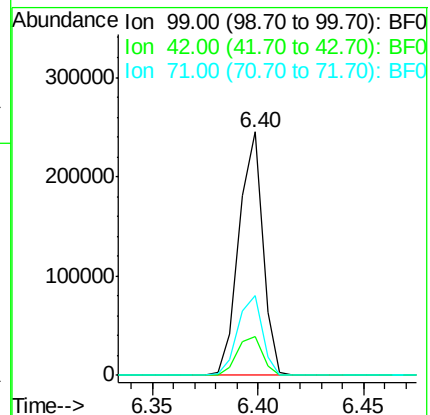
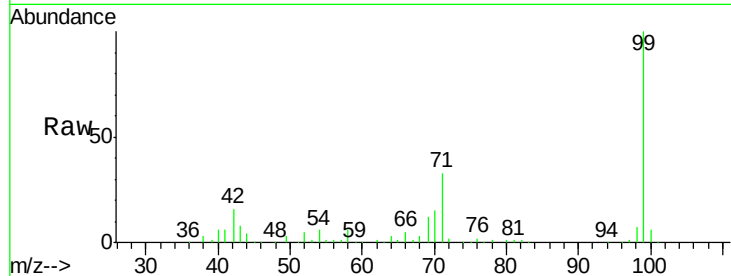
Tot Ion: 99 Resp: 190101

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 32.9 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Tgt Ion: 136 Resp: 650761

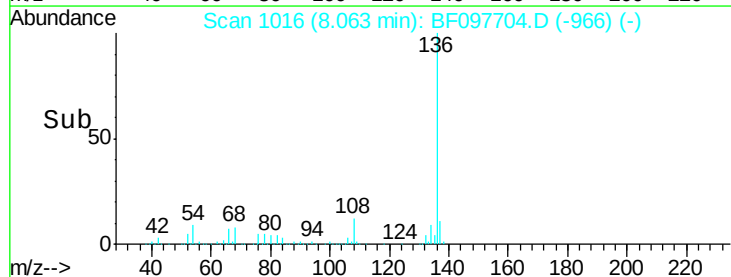
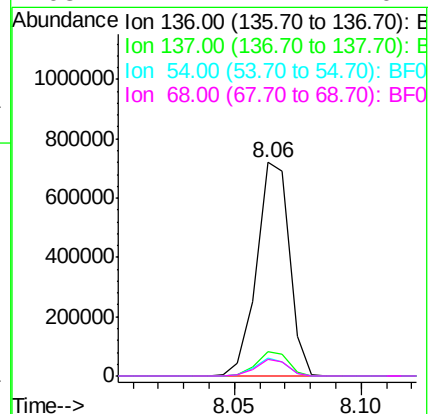
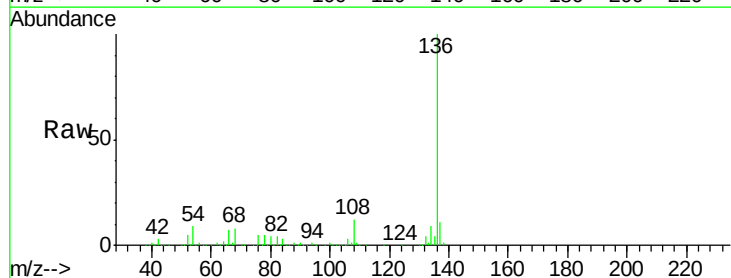
Ion Ratio Lower Upper

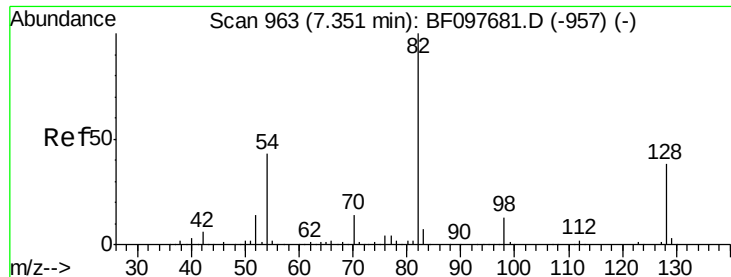
136 100

137 11.4 8.5 12.7

54 8.6 4.9 7.3#

68 7.7 4.1 6.1#

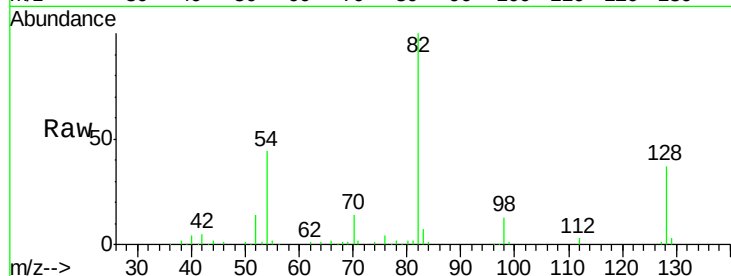




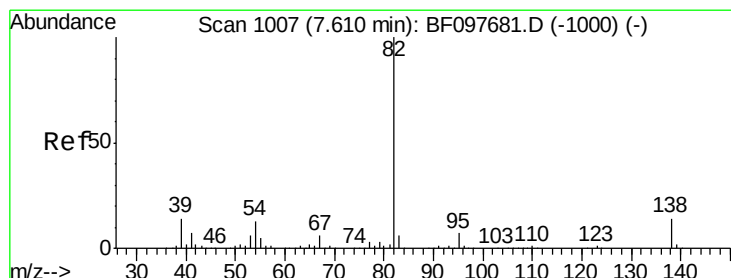
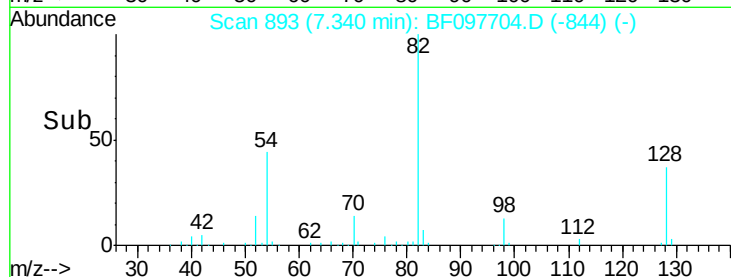
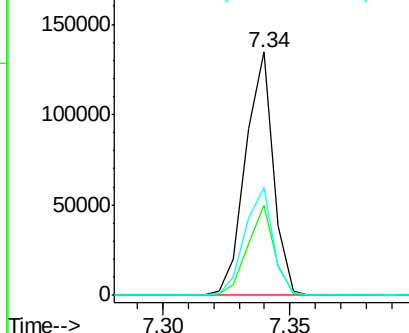
#23  
 Nitrobenzene-d5  
 Concen: 8.56 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.01 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-01-080917-A

| Tot Ion   | 82    | Resp  | 102592 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.1  | 34.0  | 51.0   |
| 54        | 44.2  | 42.2  | 63.2   |

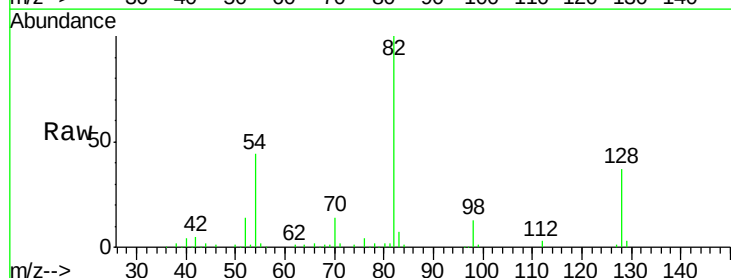


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

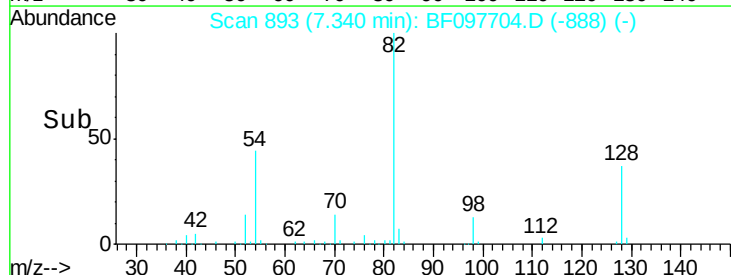
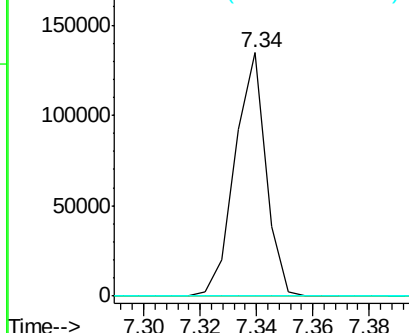


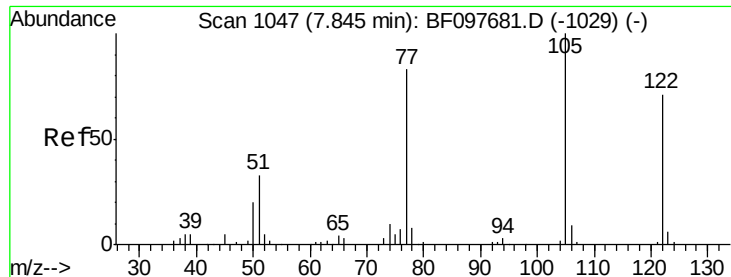
#25  
 Isophorone  
 Concen: 4.12 ng  
 RT: 7.34 min Scan# 893  
 Delta R.T. -0.27 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

| Tgt Ion   | 82    | Resp  | 102589 |
|-----------|-------|-------|--------|
| 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): BF0  
 Ion 95.00 (94.70 to 95.70): BF0  
 Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 6.42 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.11 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

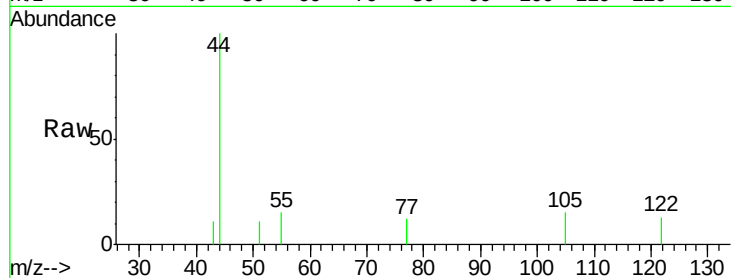
Tot Ion:122 Resp: 143

Ion Ratio Lower Upper

122 100

105 113.3 103.3 143.3

77 93.8 73.7 113.7

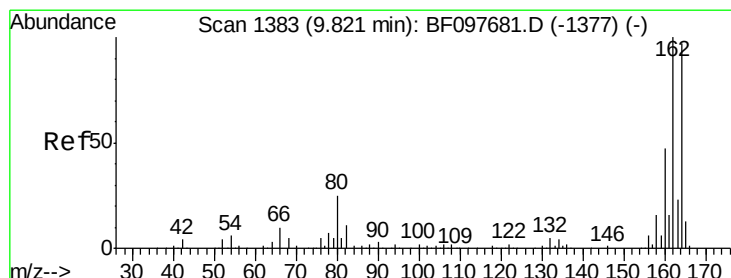
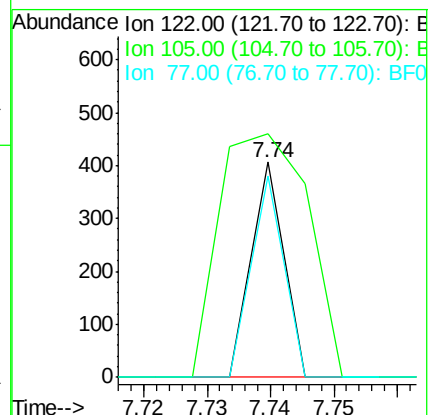
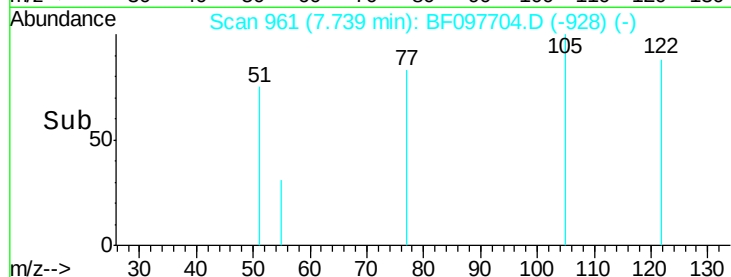


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

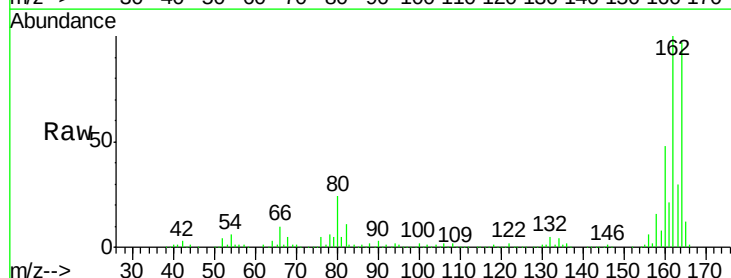
Tgt Ion:164 Resp: 282053

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

160 49.3 36.2 54.2

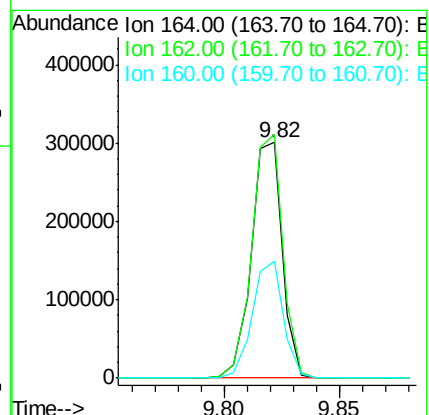
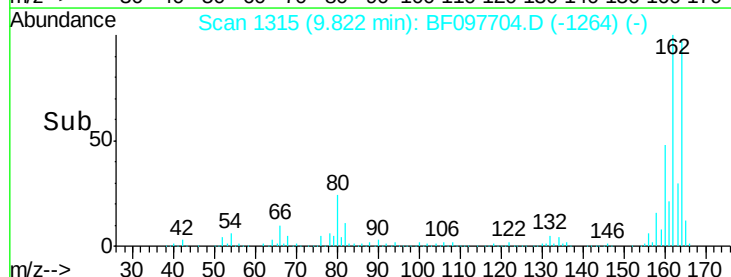


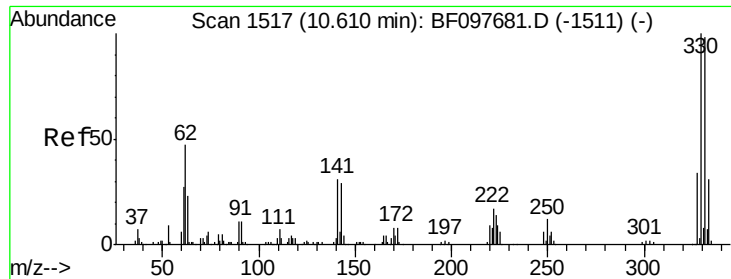
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->





#41

2,4,6-Tribromophenol

Concen: 11.21 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

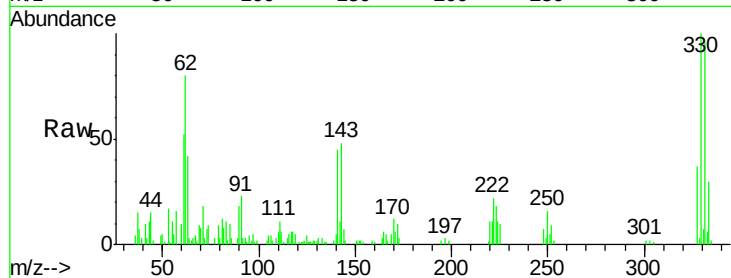
Tot Ion:330 Resp: 27428

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

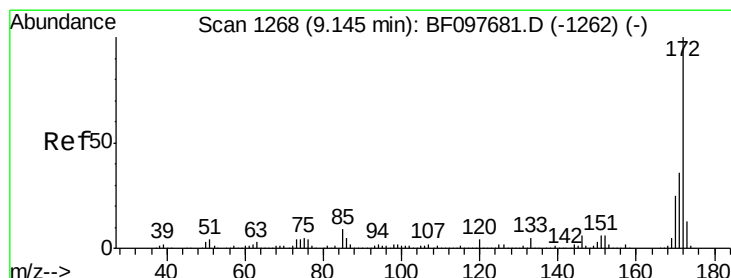
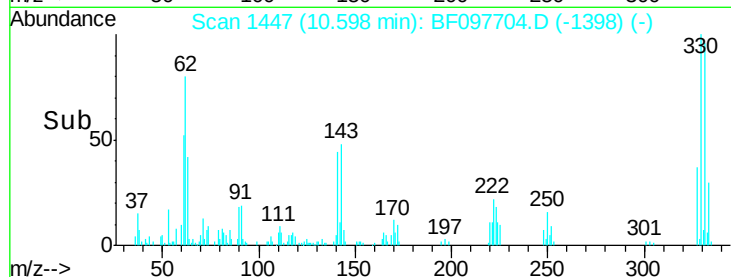
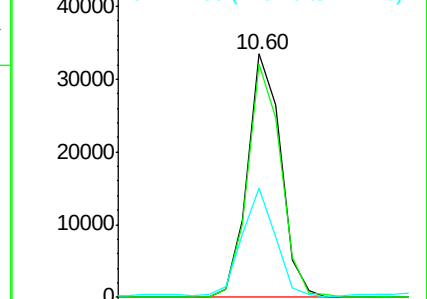
141 46.2 31.4 47.2



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: 8.64 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

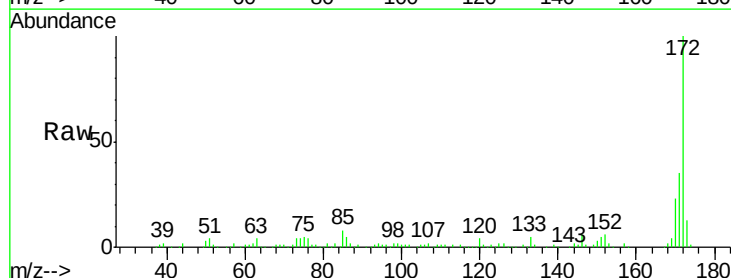
Tgt Ion:172 Resp: 165904

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

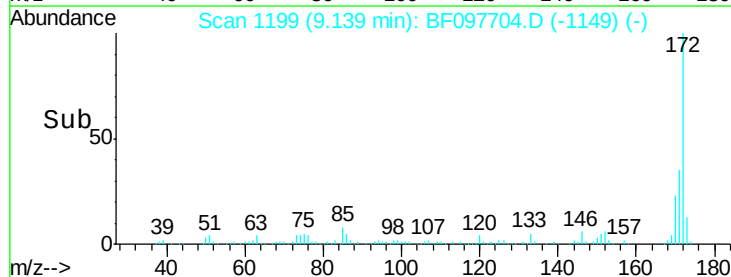
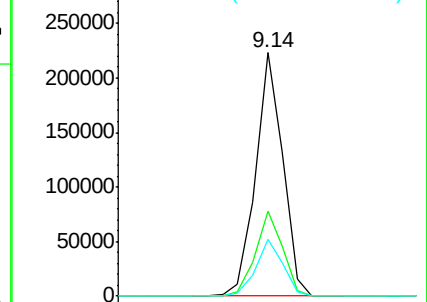
170 23.2 19.8 29.8

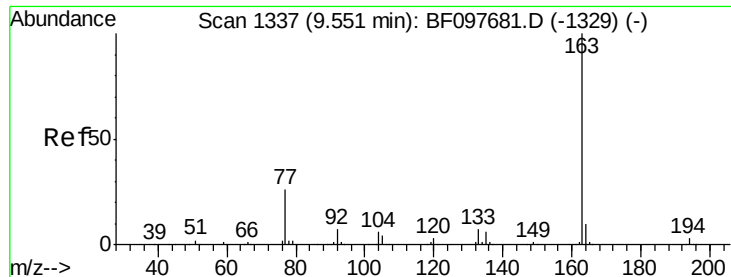


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

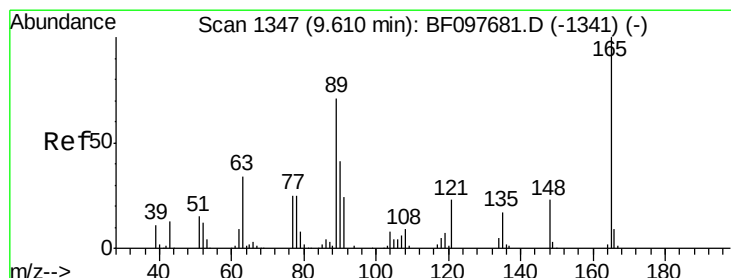
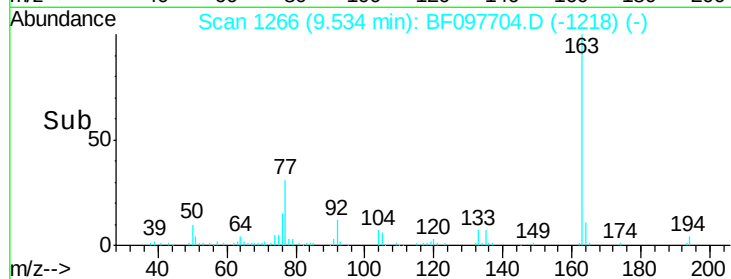
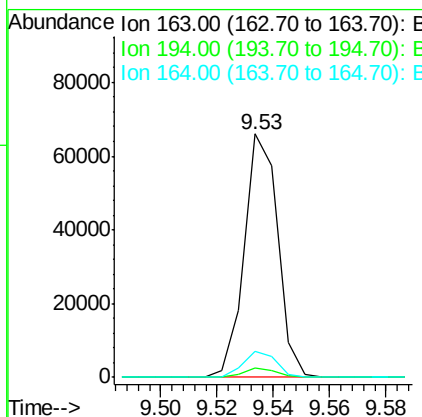
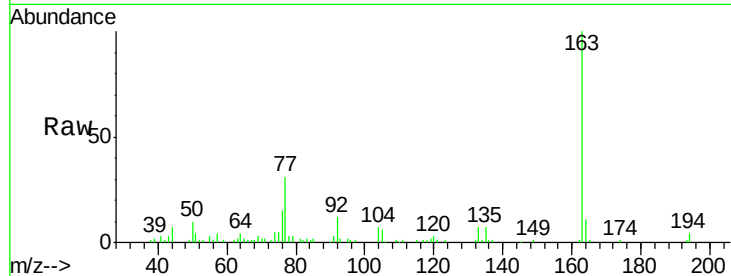




#49  
 Dimethylphthalate  
 Concen: 2.63 ng  
 RT: 9.53 min Scan# 1266  
 Delta R.T. -0.02 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

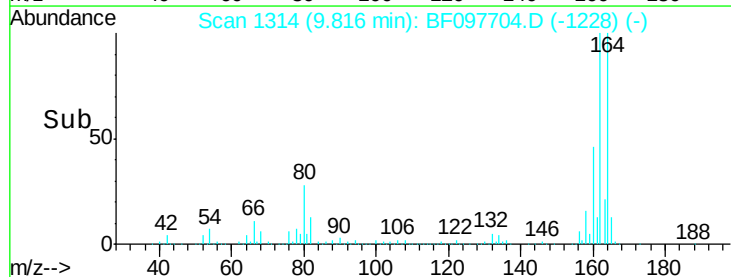
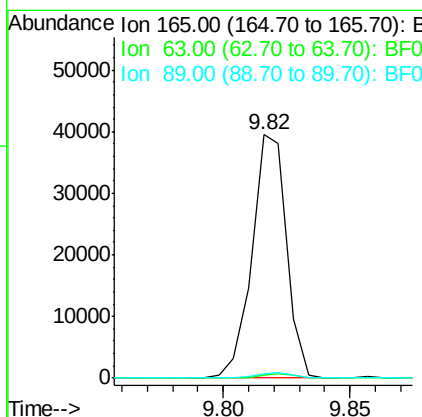
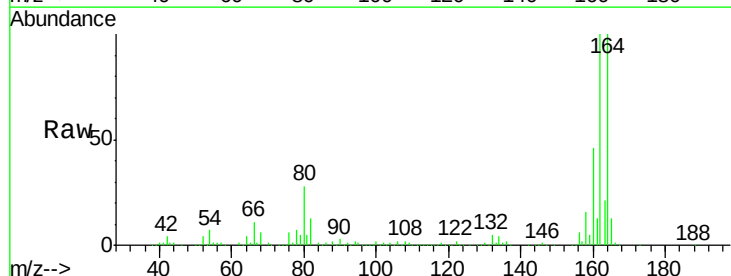
Instrument :  
 BNA\_F  
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 NB-01-080917-A

Tot Ion:163 Resp: 54238  
 Ion Ratio Lower Upper  
 163 100  
 194 4.0 2.6 4.0#  
 164 10.7 8.4 12.6

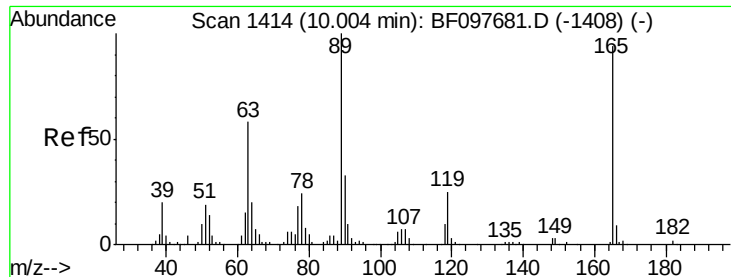


#50  
 2,6-Dinitrotoluene  
 Concen: 9.08 ng  
 RT: 9.82 min Scan# 1314  
 Delta R.T. 0.21 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

Tgt Ion:165 Resp: 37386  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 34.3 51.5#  
 89 1.5 37.1 55.7#



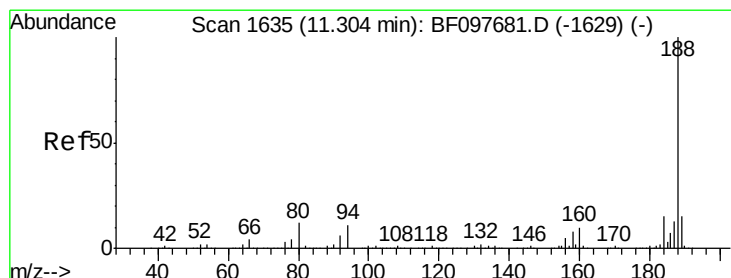
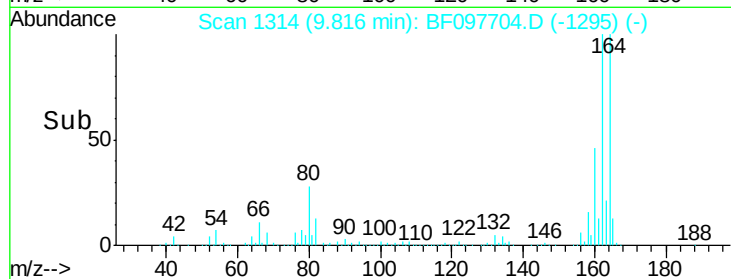
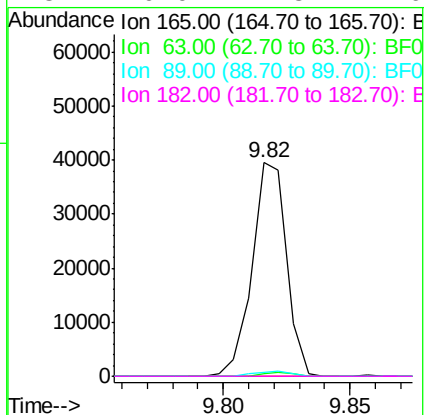
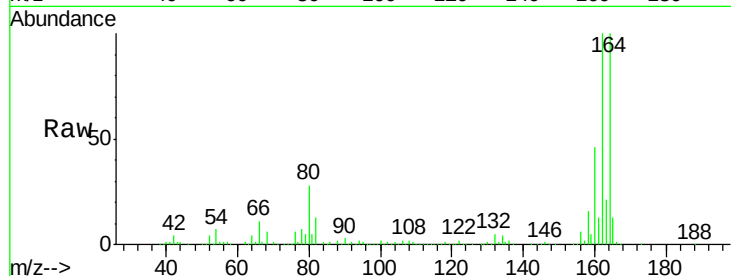




#56  
 2,4-Dinitrotoluene  
 Concen: 7.24 ng  
 RT: 9.82 min Scan# 1314  
 Delta R.T. -0.19 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

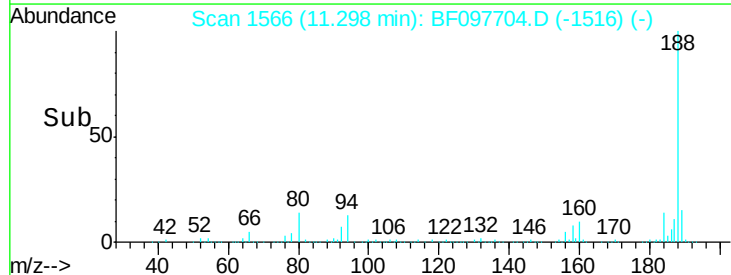
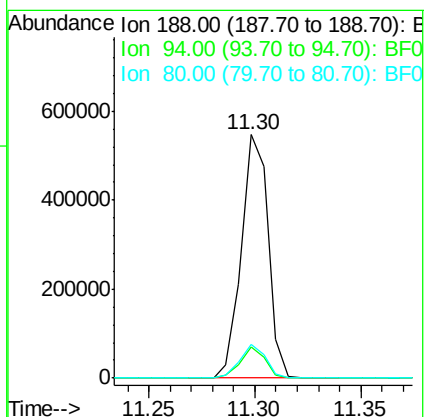
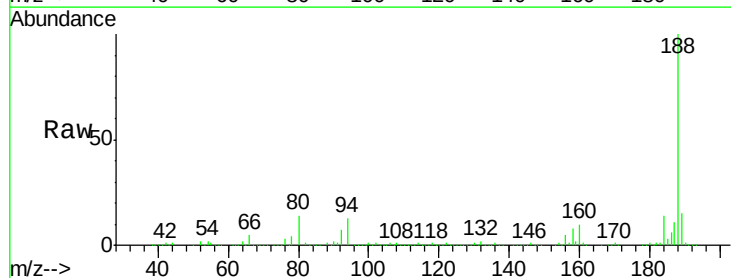
Instrument :  
 BNA\_F  
 ClientSampleId :  
 NB-01-080917-A

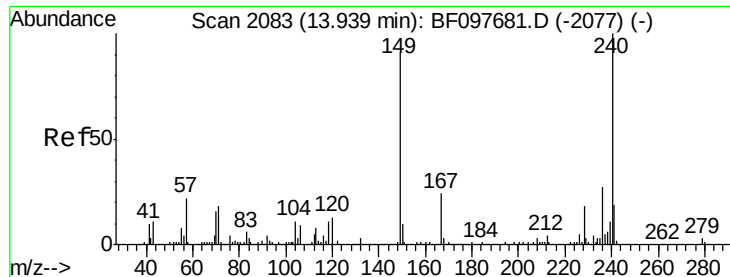
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 165   | Resp: | 37386 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.4   | 25.4  | 38.0# |
| 89       | 1.5   | 46.4  | 69.6# |
| 182      | 0.0   | 1.8   | 2.6#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF097704.D  
 Acq: 15 Aug 2017 21:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 479918 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 12.7  | 9.4   | 14.2   |
| 80       | 13.7  | 10.2  | 15.2   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

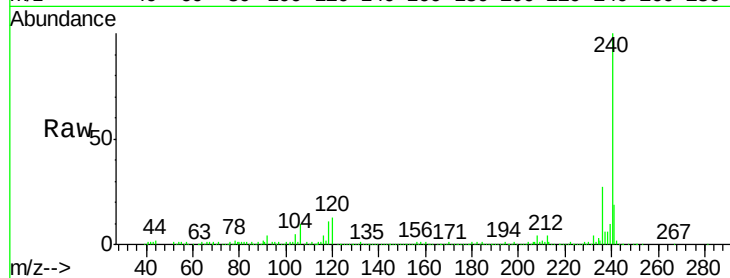
Tot Ion:240 Resp: 328332

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

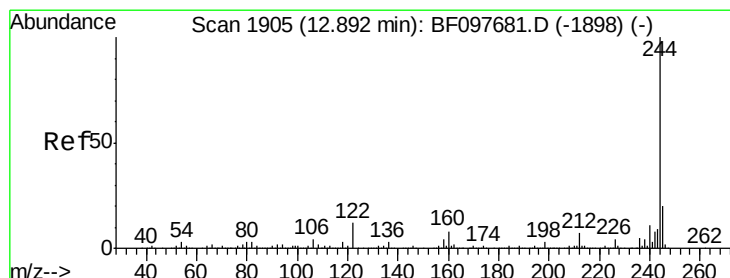
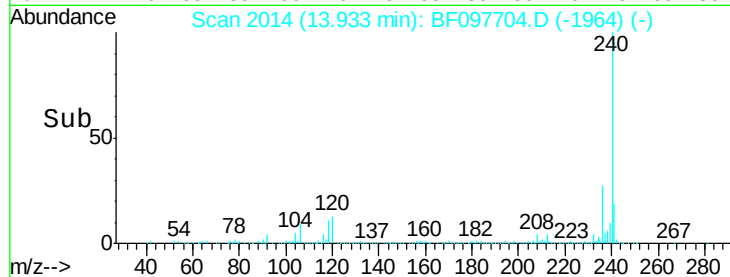
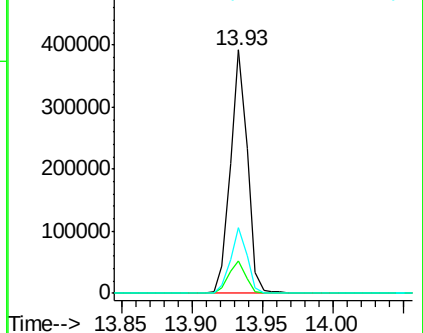
236 26.9 20.5 30.7



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: 6.32 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

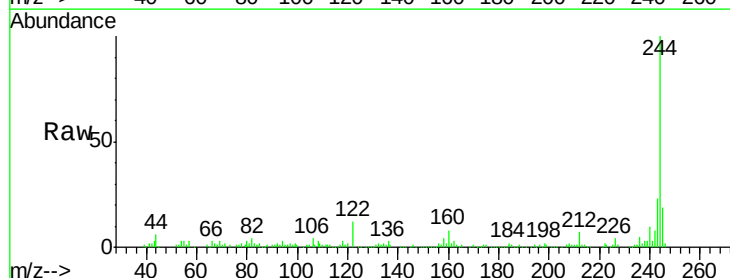
Tgt Ion:244 Resp: 99568

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

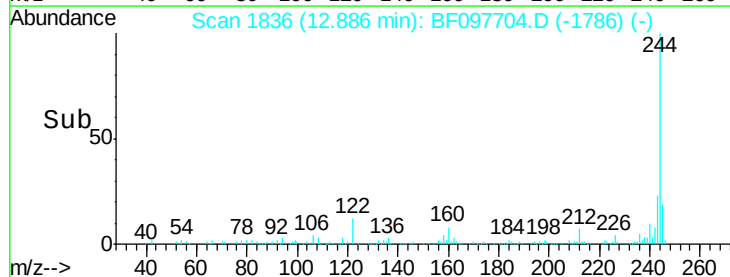
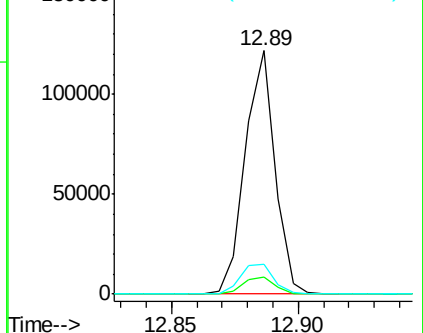
122 12.3 10.3 15.5

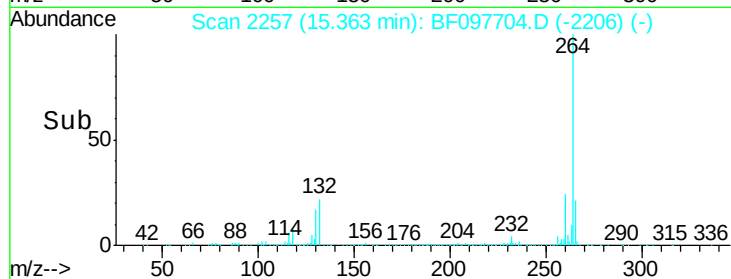
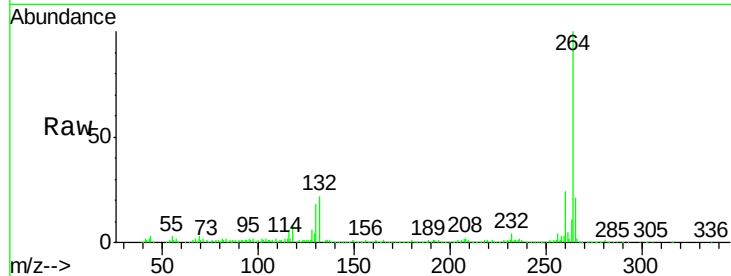
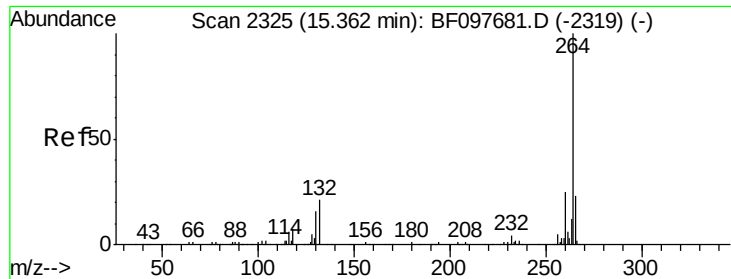


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097704.D

Acq: 15 Aug 2017 21:25

Instrument :

BNA\_F

ClientSampleId :

NB-01-080917-A

Tot Ion:264 Resp: 320813

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 20.9 17.2 25.8

