

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\  
 Data File : BF086454.D  
 Acq On : 28 Apr 2016 5:43  
 Operator : UM/SJ  
 Sample : H2707-06  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB08(0.5-6.0)

Quant Time: Apr 28 07:55:51 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 27 14:20:52 2016  
 Response via : Initial Calibration

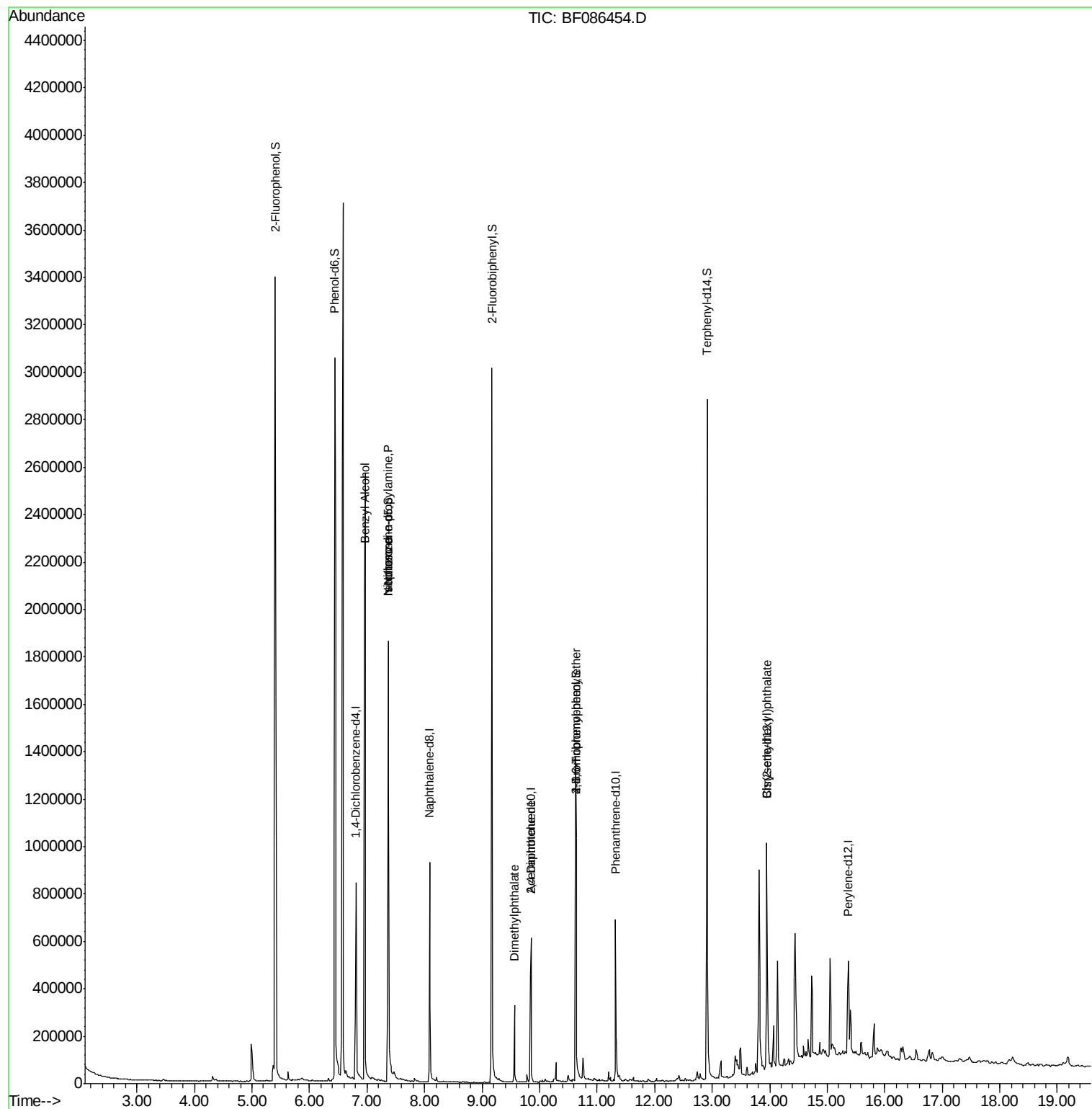
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 131120   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 459784   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.85  | 164  | 161665   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 286653   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.95 | 240  | 314311   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.37 | 264  | 223513   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 1138841  | 149.81 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.44  | 99   | 1523012  | 143.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 862399   | 101.10 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 236618   | 138.79 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 1188250  | 148.71 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 933021   | 65.40  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.96  | 79   | 16374    | 2.44   | ng    | # 41     |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 113488   | 16.18  | ng    | # 72     |
| 25) Isophorone                 | 7.37  | 82   | 757032   | 46.11  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.56  | 163  | 121010   | 9.94   | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.85  | 165  | 19312    | 6.03   | ng    | # 14     |
| 66) 4-Bromophenyl-phenylether  | 10.64 | 248  | 12625    | 4.27   | ng    | # 1      |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 110228   | 9.05   | ng    | # 99     |

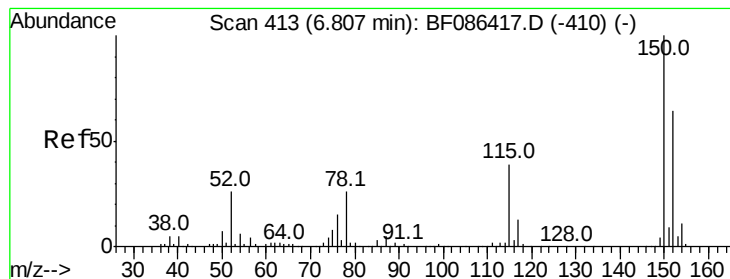
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086454.D

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Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

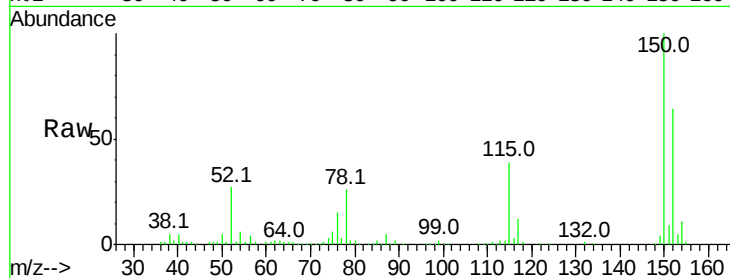
Tot Ion:152 Resp: 131120

Ion Ratio Lower Upper

152 100

150 156.2 125.8 188.6

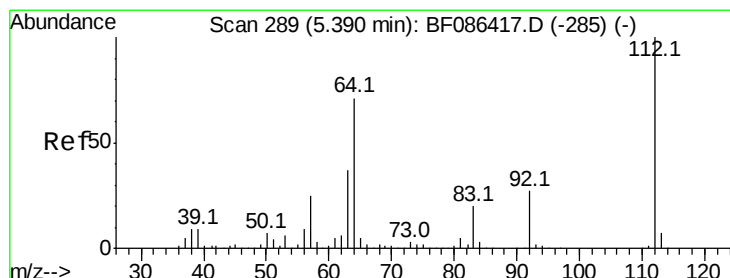
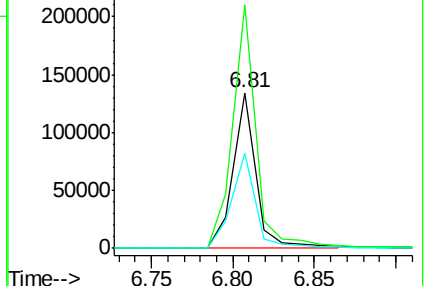
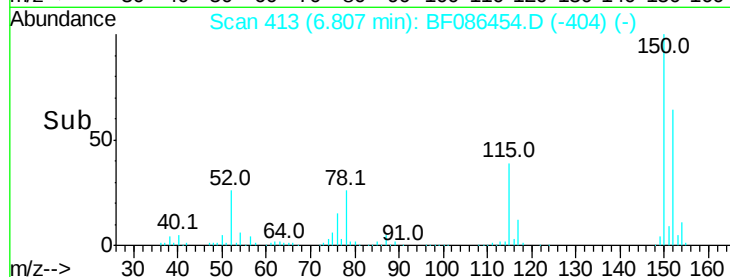
115 60.8 51.5 77.3



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: 149.81 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

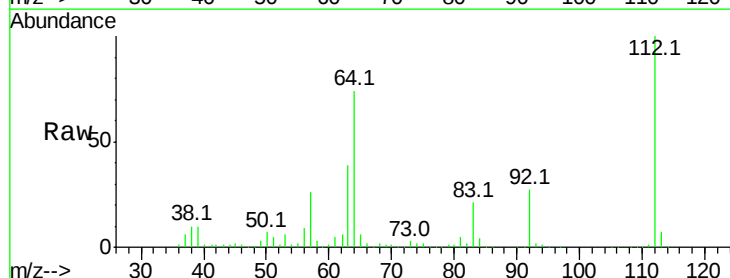
Tgt Ion:112 Resp: 1138841

Ion Ratio Lower Upper

112 100

64 74.5 52.1 78.1

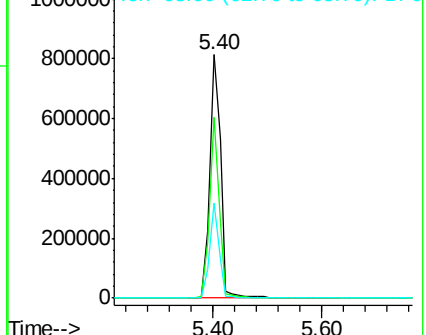
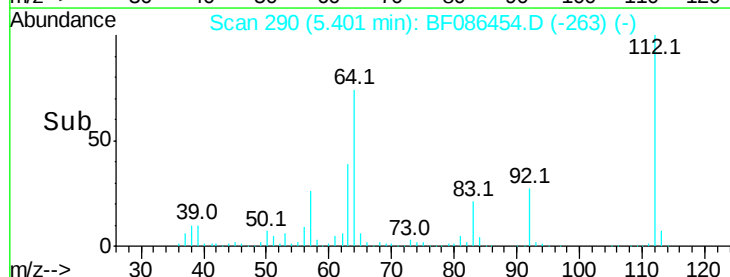
63 39.3 25.7 38.5

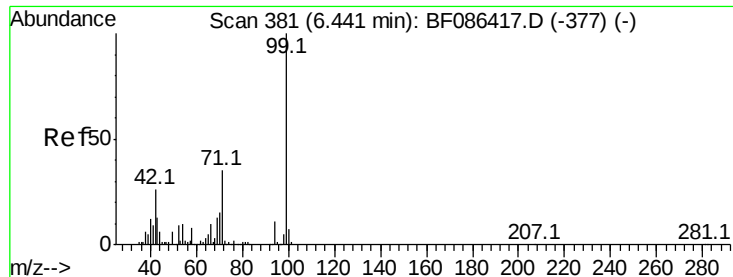


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.55 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

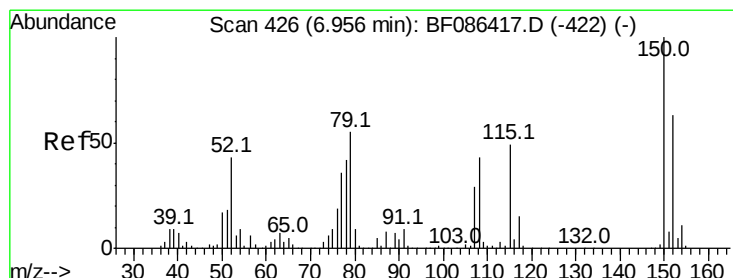
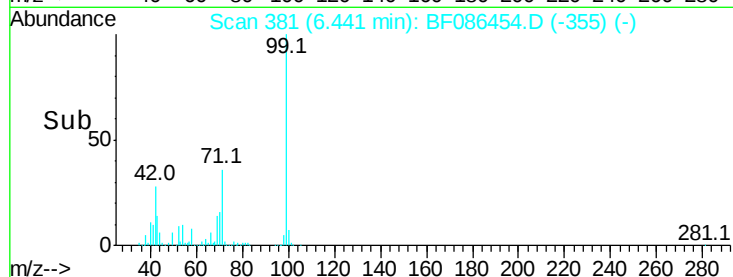
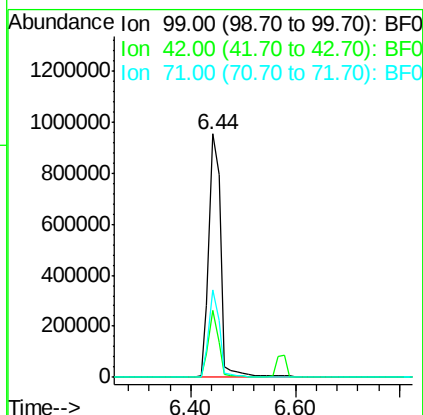
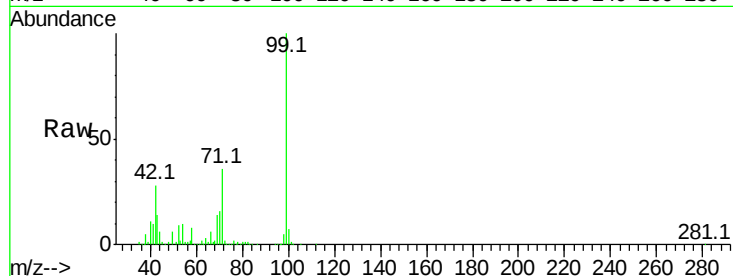
BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

Tot Ion: 99 Resp: 1523012

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 27.6  | 13.6  | 20.4# |
| 71  | 36.0  | 24.6  | 36.8  |



#15

Benzyl Alcohol

Concen: 2.44 ng

RT: 6.96 min Scan# 426

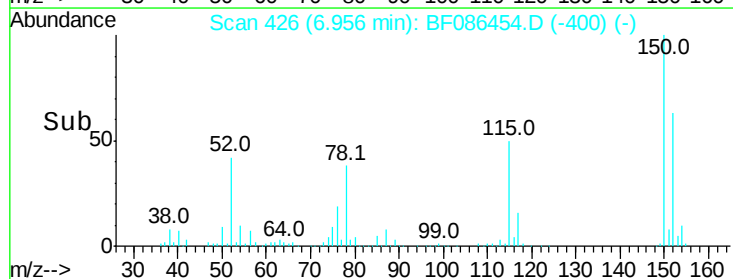
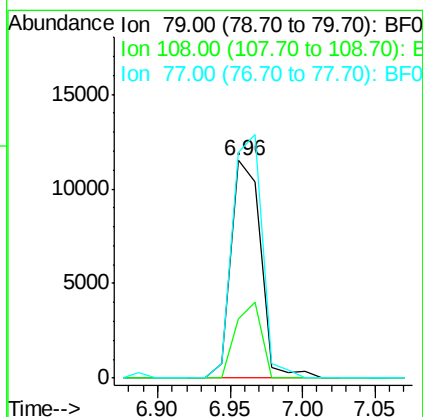
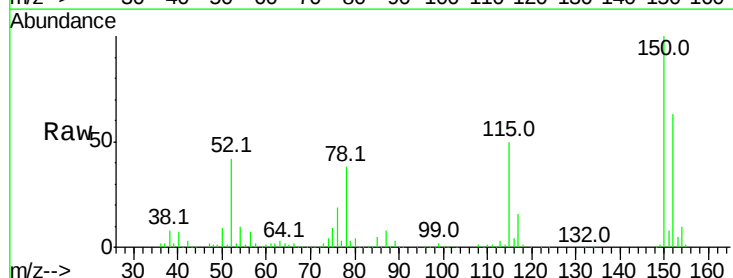
Delta R.T. 0.00 min

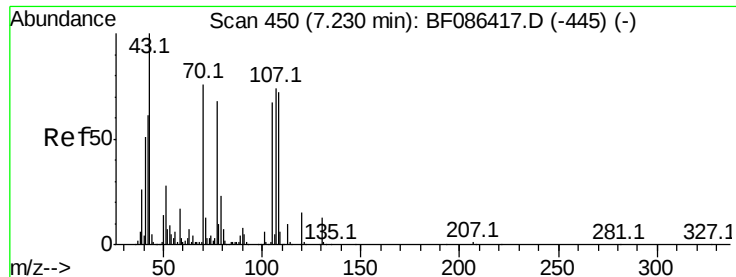
Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Tgt Ion: 79 Resp: 16374

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 79  | 100   |       |        |
| 108 | 27.3  | 68.4  | 102.6# |
| 77  | 103.4 | 50.6  | 76.0#  |

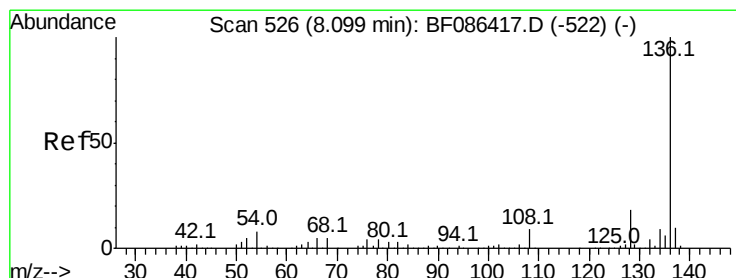
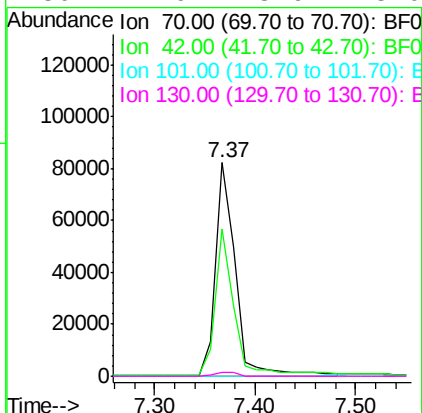
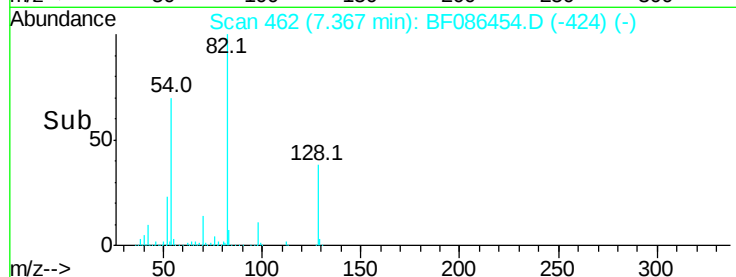
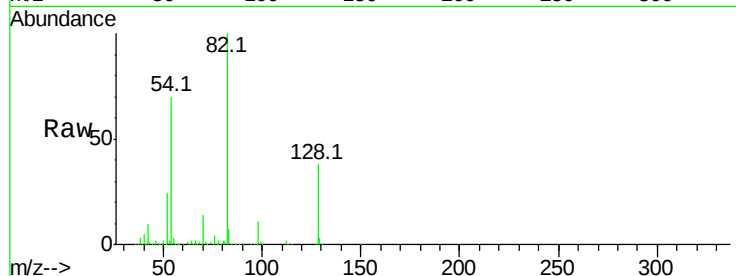




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.18 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.14 min  
Lab File: BF086454.D  
Acq: 28 Apr 2016 5:43

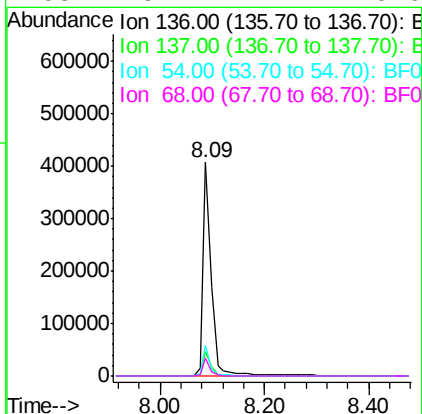
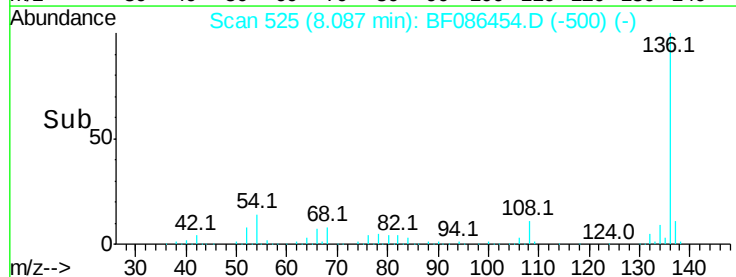
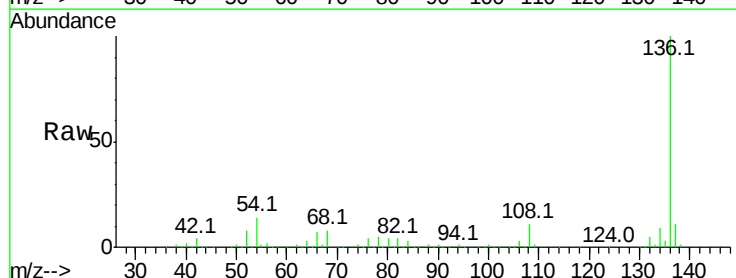
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB08(0.5-6.0)

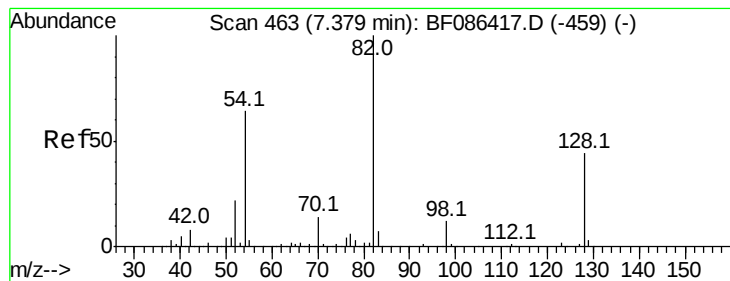
Tot Ion: 70 Resp: 113488  
Ion Ratio Lower Upper  
70 100  
42 68.9 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.9 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: BF086454.D  
Acq: 28 Apr 2016 5:43

Tgt Ion: 136 Resp: 459784  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 14.2 5.0 7.4#  
68 8.4 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 101.10 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

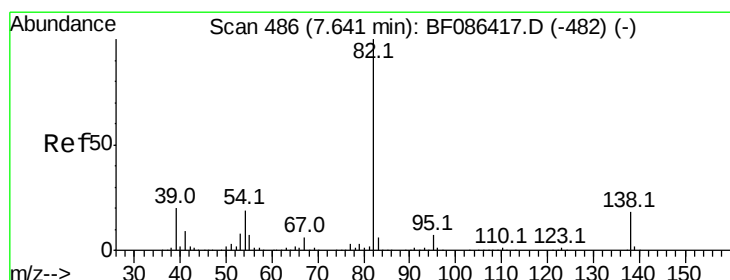
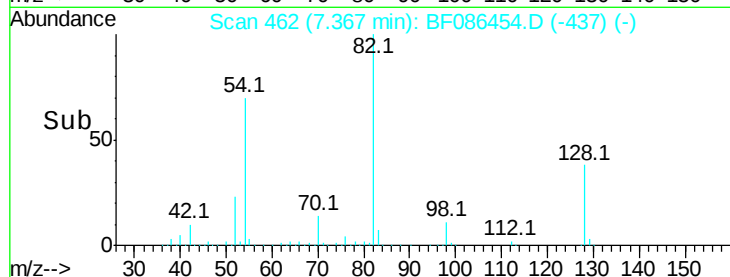
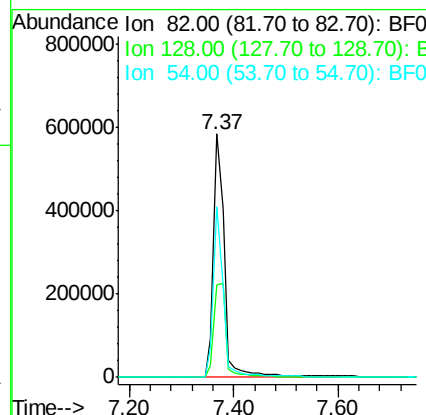
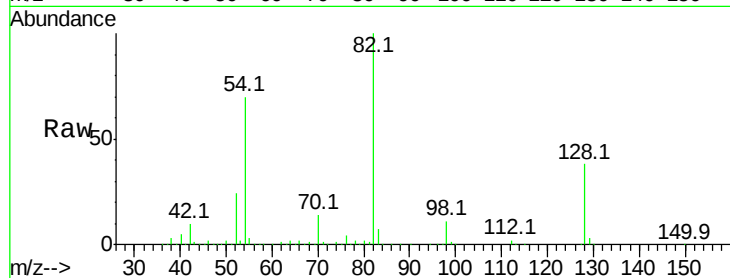
Tot Ion: 82 Resp: 862399

Ion Ratio Lower Upper

82 100

128 38.0 40.6 61.0#

54 69.9 38.1 57.1#



#25

Isophorone

Concen: 46.11 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

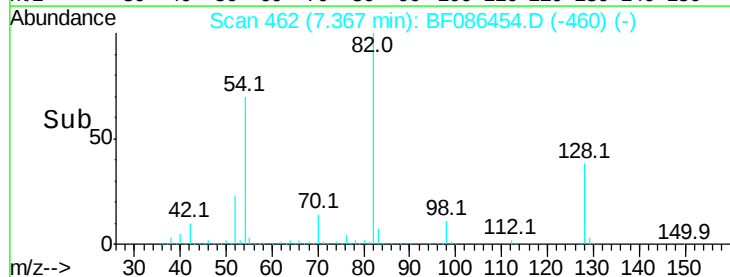
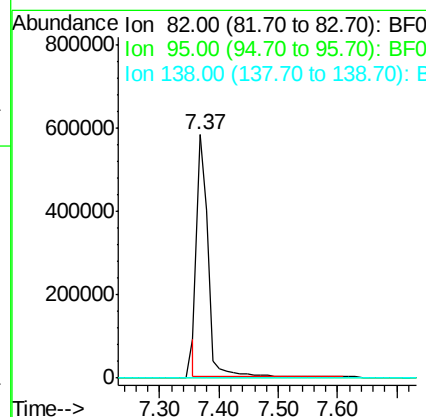
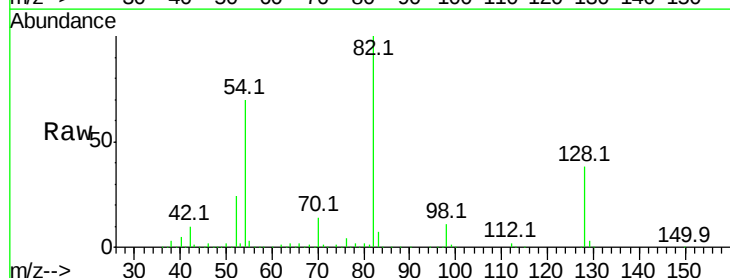
Tgt Ion: 82 Resp: 757032

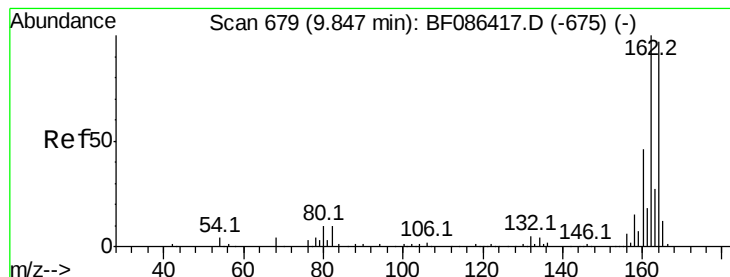
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

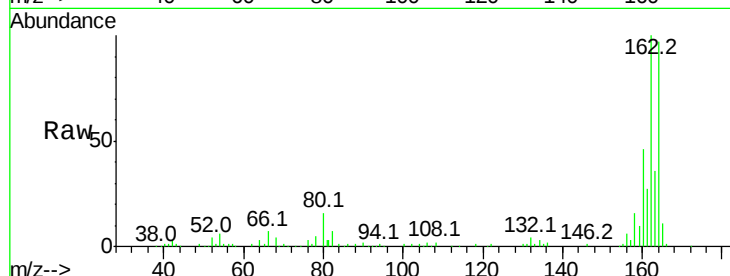
Tot Ion:164 Resp: 161665

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

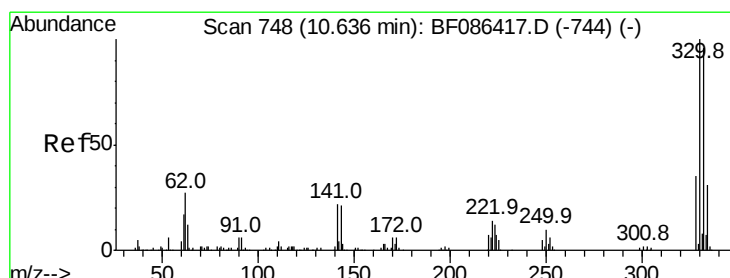
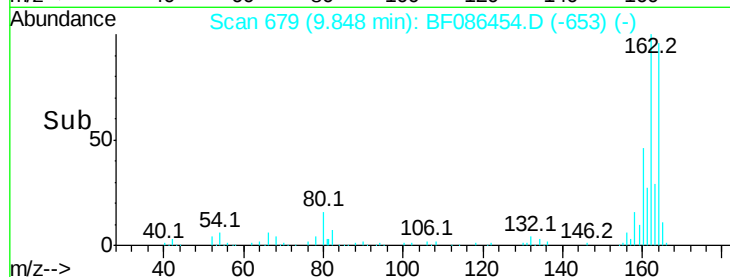
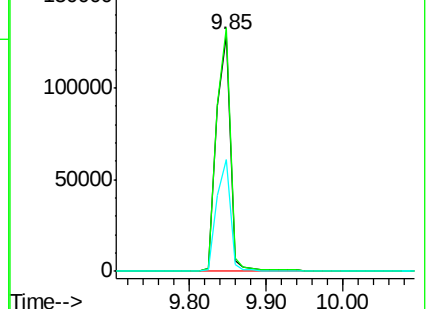
160 47.4 36.9 55.3



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: 138.79 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

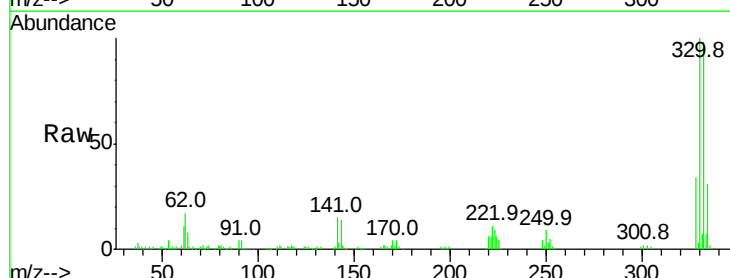
Tgt Ion:330 Resp: 236618

Ion Ratio Lower Upper

330 100

332 97.1 79.0 118.4

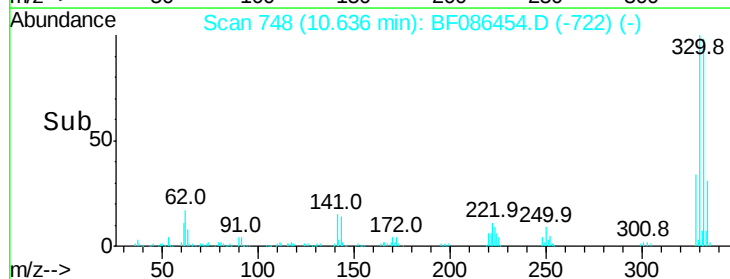
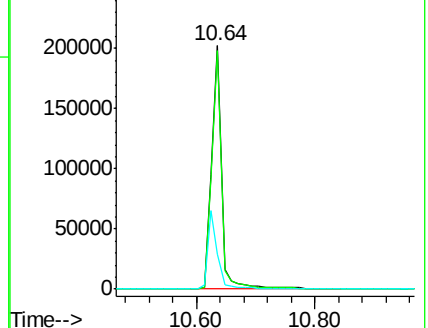
141 32.1 31.2 46.8

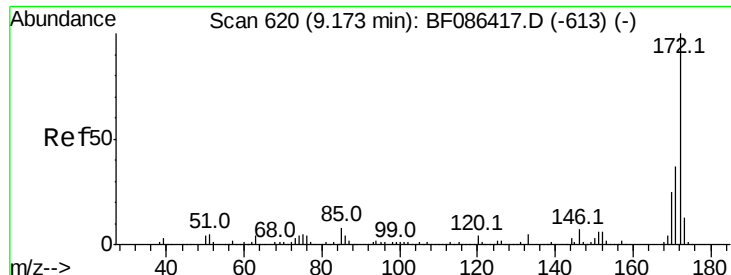


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



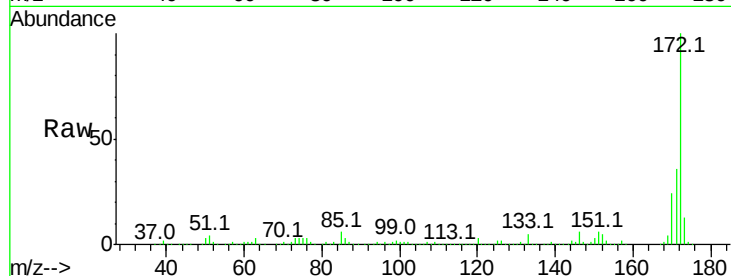


#44  
 2-Fluorobiphenyl  
 Concen: 148.71 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: BF086454.D  
 Acq: 28 Apr 2016 5:43

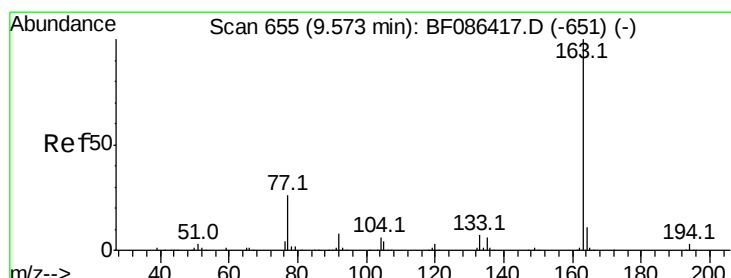
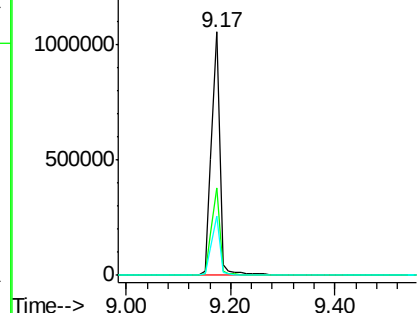
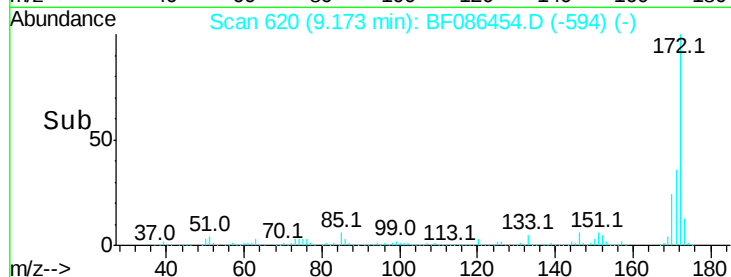
Instrument :  
 BNA\_F  
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 RICHMOND-AMBOY-SB08(0.5-6.0)

Tot Ion:172 Resp: 1188250  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.7  | 29.0  | 43.6  |
| 170 | 24.2  | 19.8  | 29.8  |



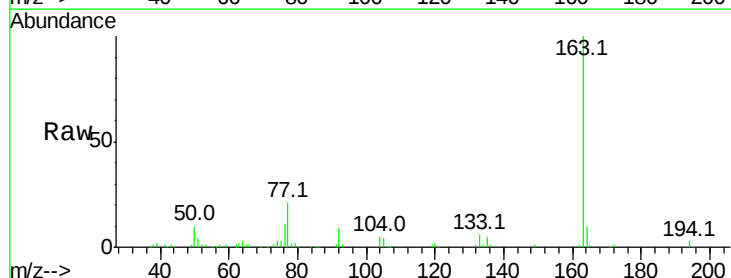
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



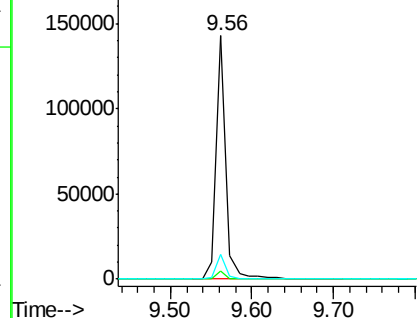
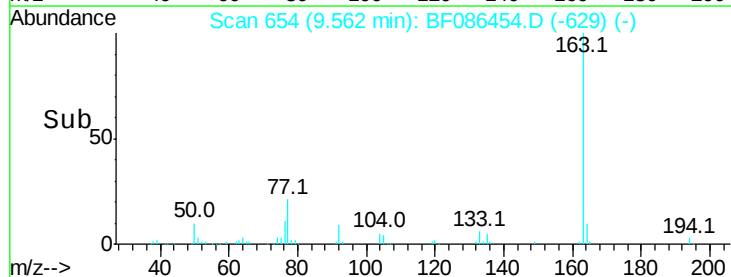
#49  
 Dimethylphthalate  
 Concen: 9.94 ng  
 RT: 9.56 min Scan# 654  
 Delta R.T. -0.01 min  
 Lab File: BF086454.D  
 Acq: 28 Apr 2016 5:43

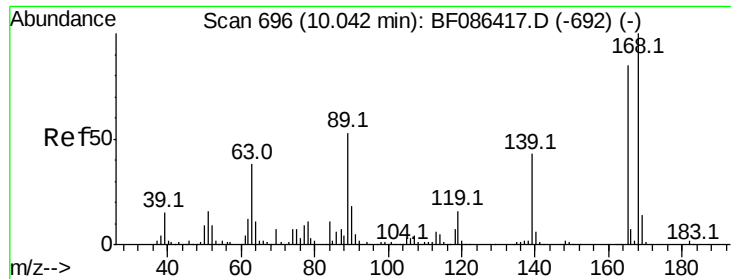
Tgt Ion:163 Resp: 121010  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.2   | 2.6   | 4.0   |
| 164 | 9.9   | 8.2   | 12.4  |



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

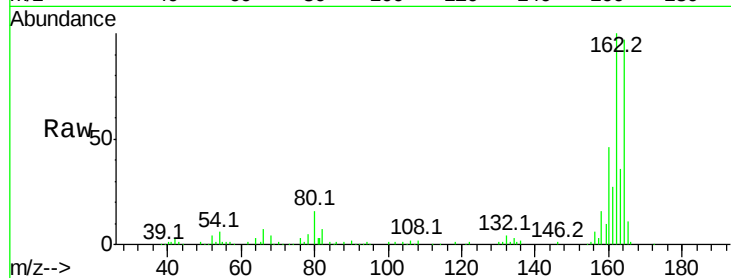




#56  
2,4-Dinitrotoluene  
Concen: 6.03 ng  
RT: 9.85 min Scan# 679  
Delta R.T. -0.19 min  
Lab File: BF086454.D  
Acq: 28 Apr 2016 5:43

Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB08(0.5-6.0)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 19312  |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 0.0   | 44.3  | 66.5#  |
| 89        | 0.0   | 70.0  | 105.0# |
| 182       | 0.0   | 1.8   | 2.6#   |

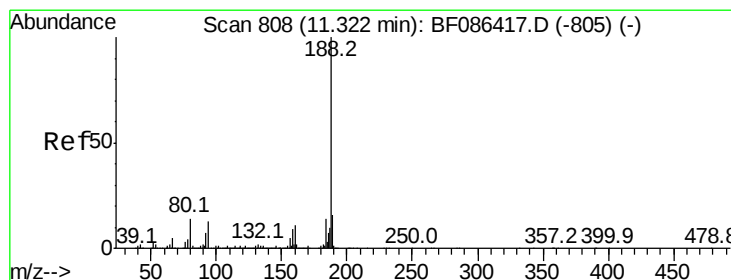
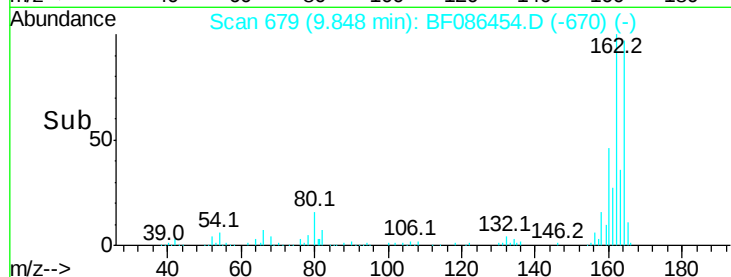
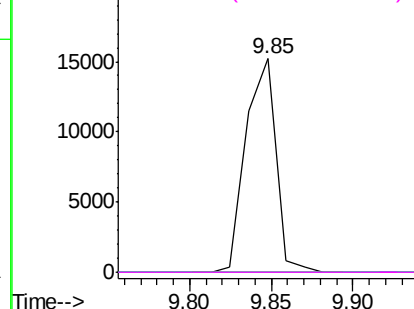


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

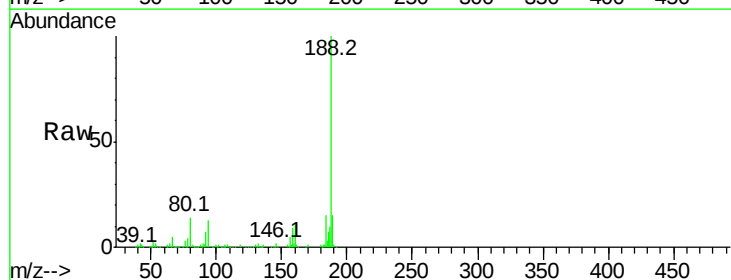
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.32 min Scan# 808  
Delta R.T. 0.00 min  
Lab File: BF086454.D  
Acq: 28 Apr 2016 5:43

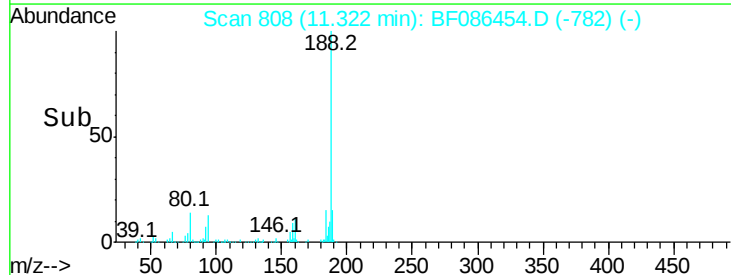
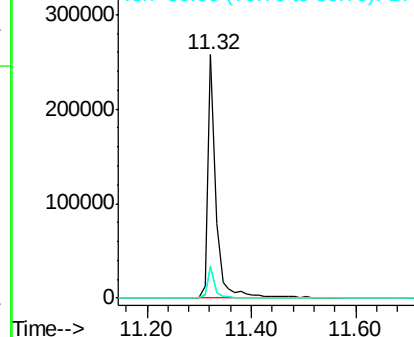
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 286653 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 12.6  | 6.8   | 10.2#  |
| 80        | 13.6  | 7.1   | 10.7#  |

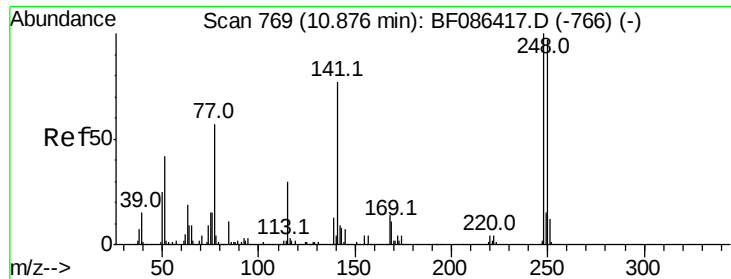


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.27 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.24 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

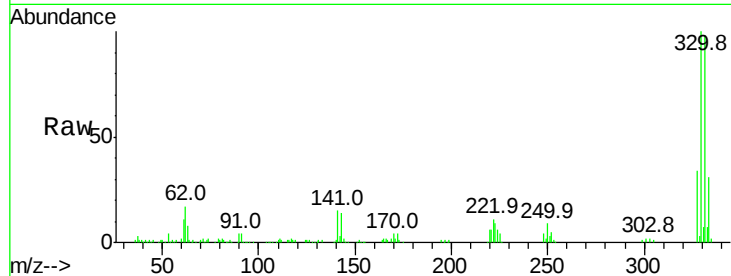
Tot Ion:248 Resp: 12625

Ion Ratio Lower Upper

248 100

250 197.4 78.6 117.8#

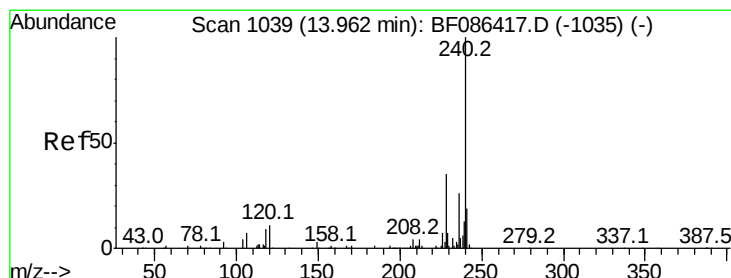
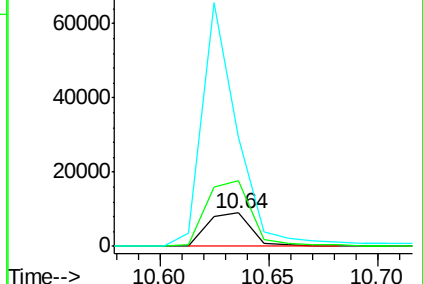
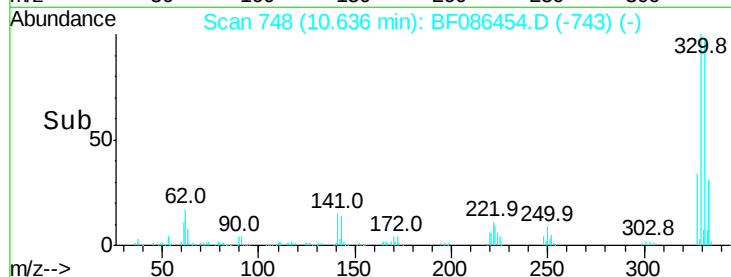
141 327.8 76.0 114.0#



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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

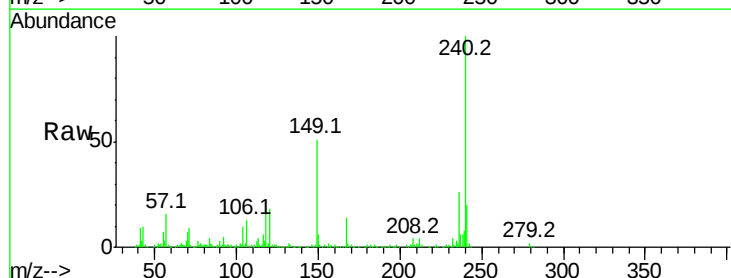
Tgt Ion:240 Resp: 314311

Ion Ratio Lower Upper

240 100

120 17.6 11.2 16.8#

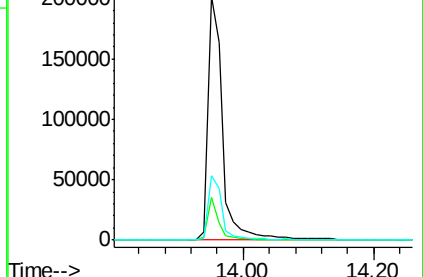
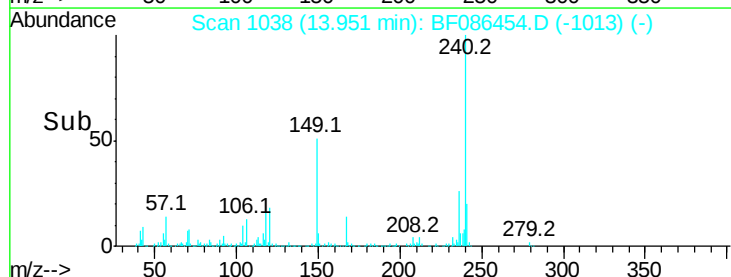
236 26.3 21.2 31.8

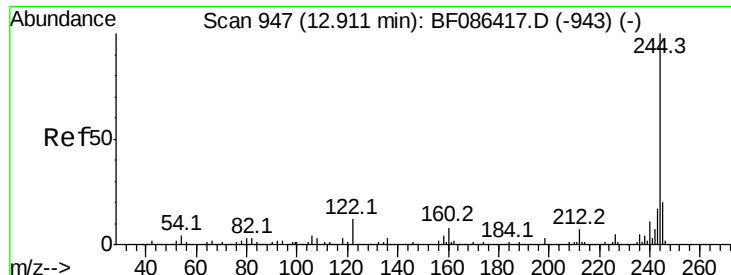


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 65.40 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

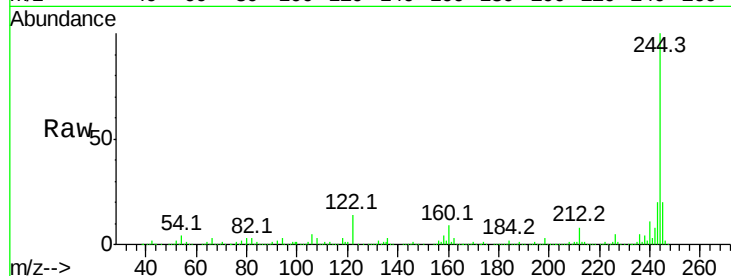
Tot Ion:244 Resp: 933021

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

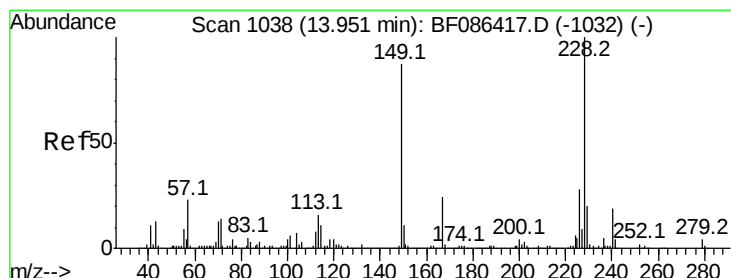
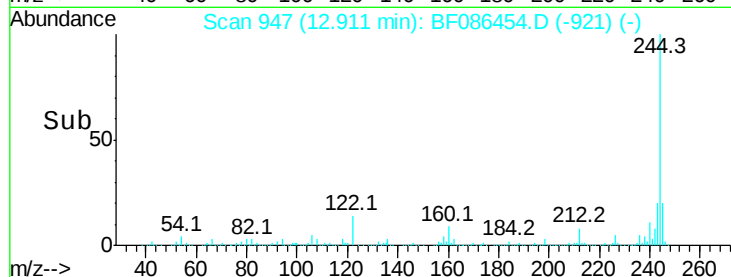
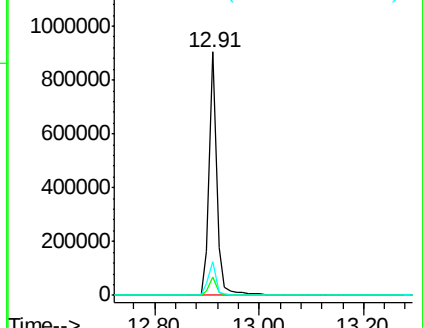
122 13.9 12.0 18.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.05 ng

RT: 13.95 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

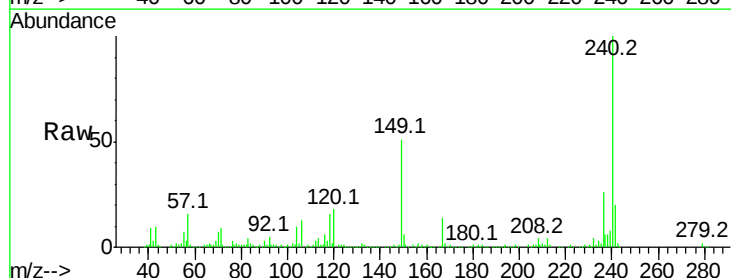
Tgt Ion:149 Resp: 110228

Ion Ratio Lower Upper

149 100

167 27.5 21.8 32.6

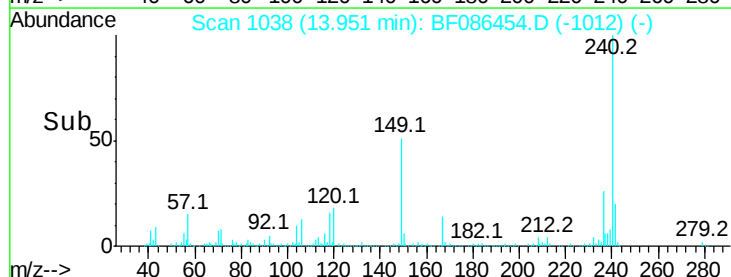
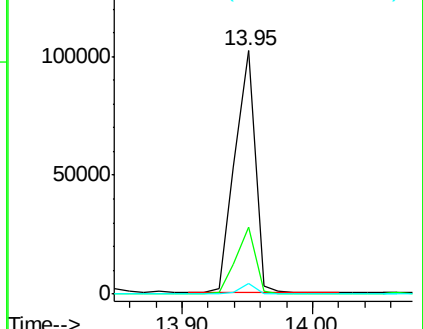
279 4.3 2.6 4.0#

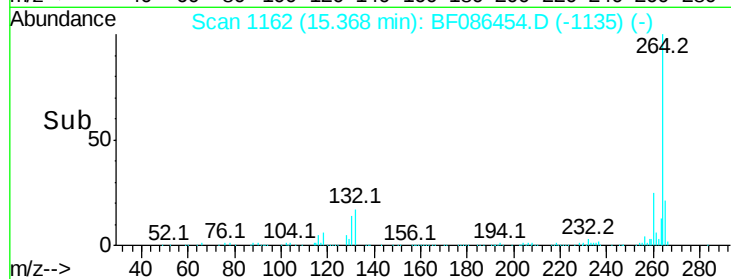
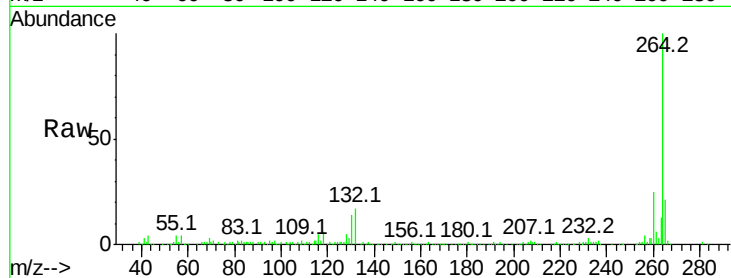
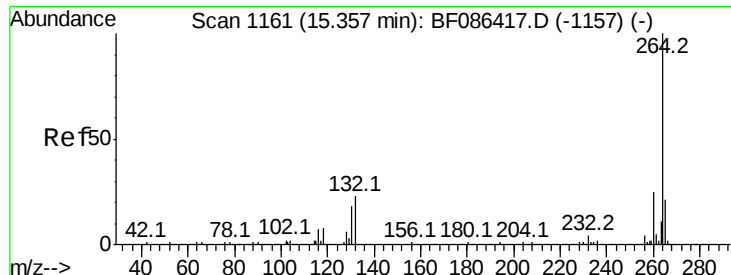


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF086454.D

Acq: 28 Apr 2016 5:43

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB08(0.5-6.0)

Tot Ion:264 Resp: 223513

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.3 17.3 25.9

