

Data Path : Z:\HPCHEM1\BNA F\Data\BF042716\  
 Data File : BF086460.D  
 Acq On : 28 Apr 2016 8:33  
 Operator : UM/SJ  
 Sample : H2736-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB01(0.5-10.0)

Quant Time: Apr 28 11:29:02 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

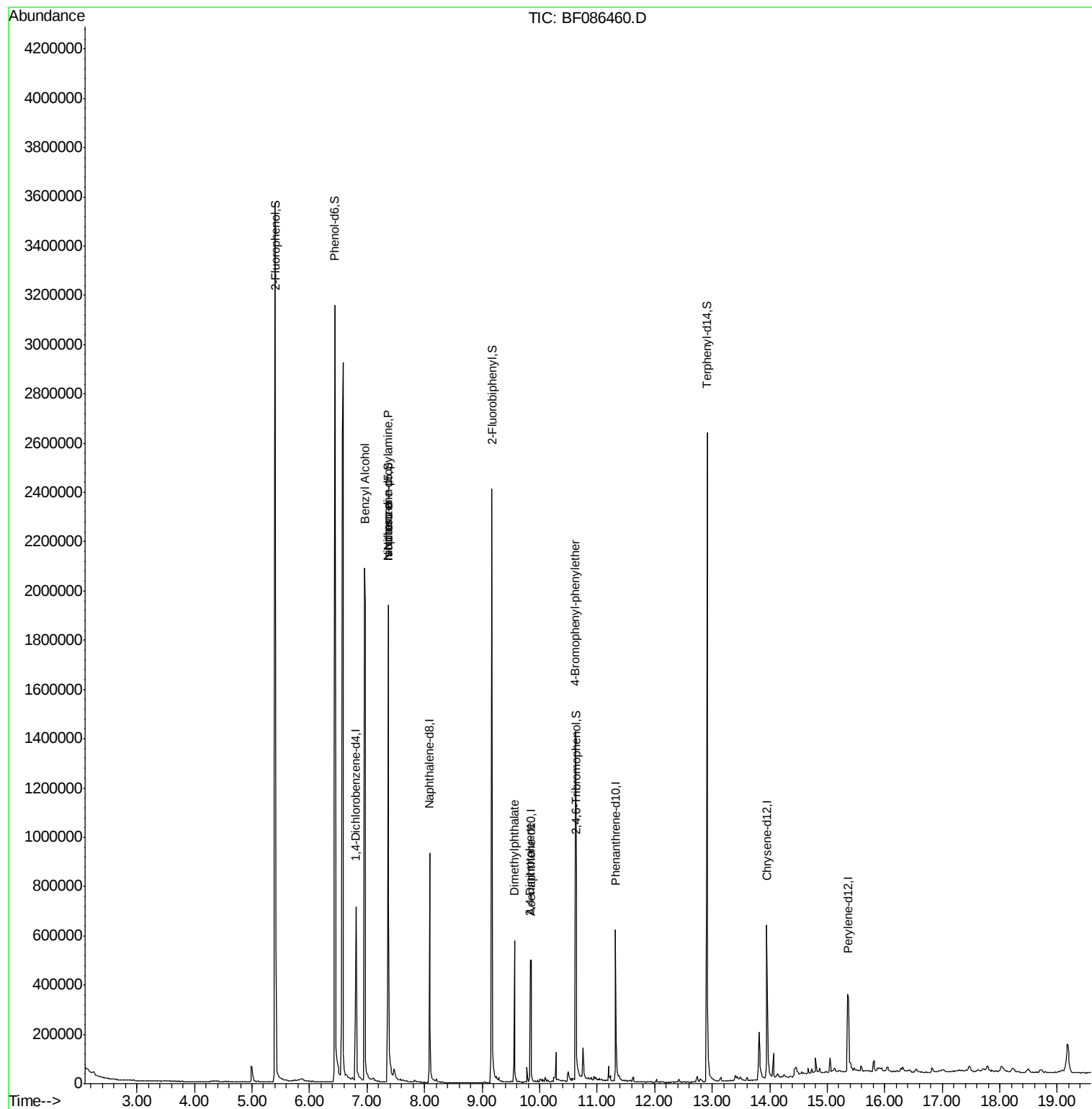
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 117733   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 437017   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.85  | 164  | 149320   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 262636   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.95 | 240  | 288944   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.37 | 264  | 204594   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 970969   | 142.25 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.44  | 99   | 1244357  | 130.62 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 762876   | 94.09  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.64 | 330  | 217532   | 138.14 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.17  | 172  | 1123644  | 154.00 | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.91 | 244  | 865108   | 65.96  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.96  | 79   | 14077    | 2.34   | ng    | # 42     |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 100940   | 16.03  | ng    | # 73     |
| 25) Isophorone                 | 7.37  | 82   | 655874   | 42.03  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.56  | 163  | 218028   | 19.40  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.84  | 165  | 18243    | 6.16   | ng    | # 14     |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 11920    | 4.40   | ng    | # 1      |

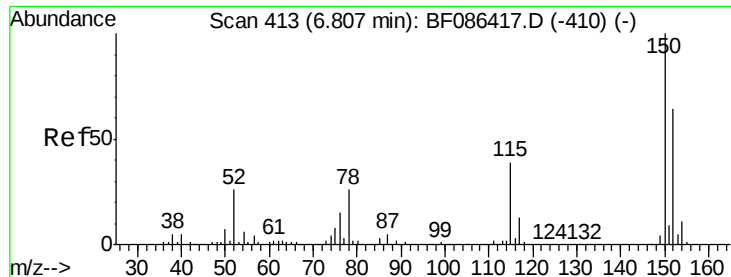
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. 0.00 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB01(0.5-10.0)

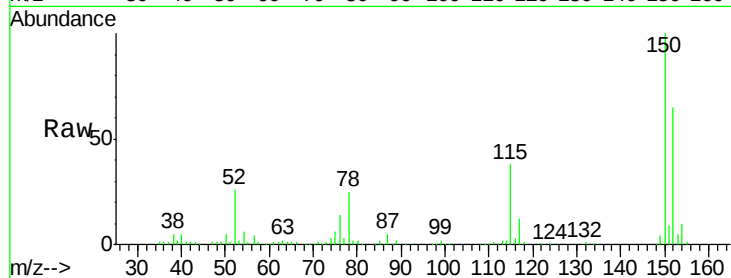
Tot Ion:152 Resp: 117733

Ion Ratio Lower Upper

152 100

150 152.8 125.8 188.6

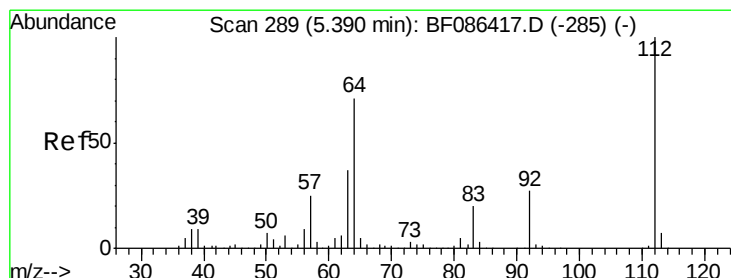
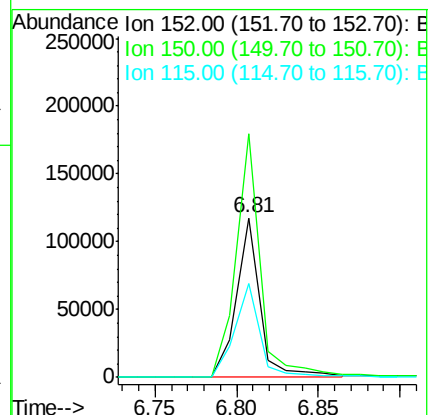
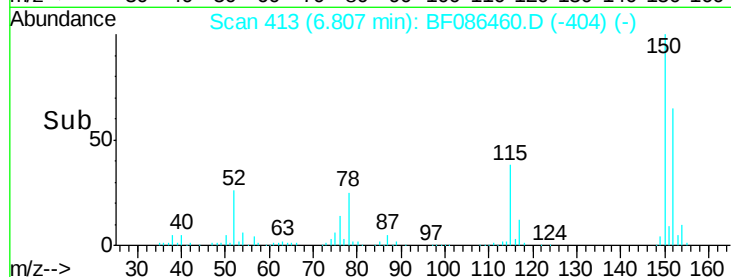
115 58.6 51.5 77.3



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: 142.25 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.01 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

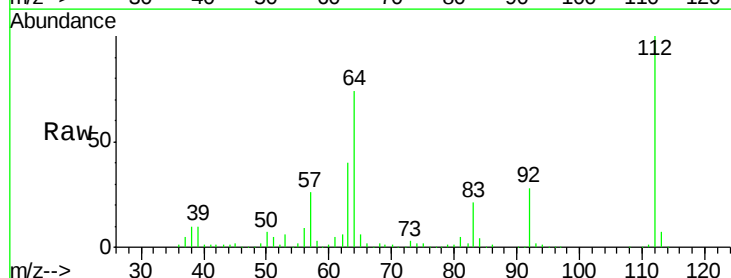
Tgt Ion:112 Resp: 970969

Ion Ratio Lower Upper

112 100

64 74.0 52.1 78.1

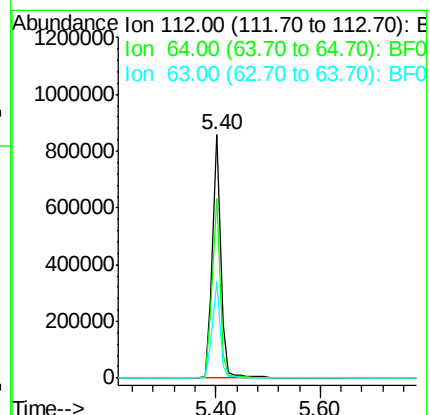
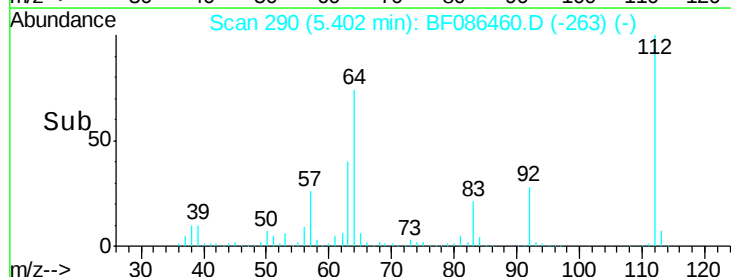
63 39.6 25.7 38.5#

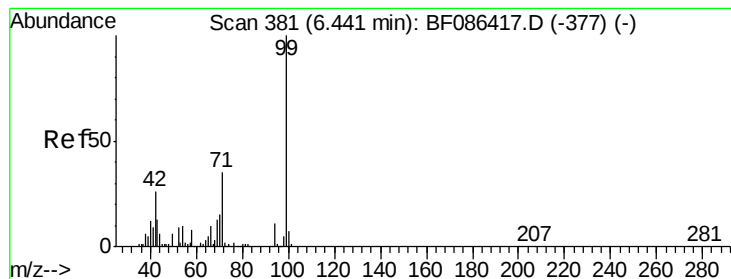


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.62 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

Instrument :

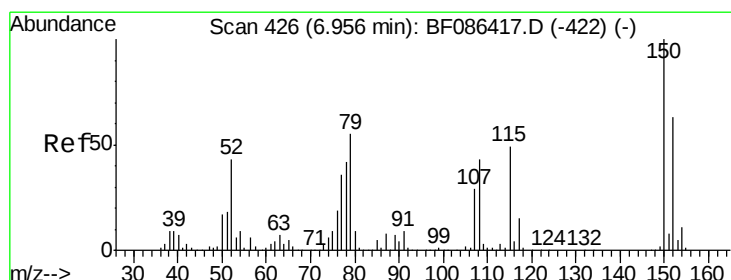
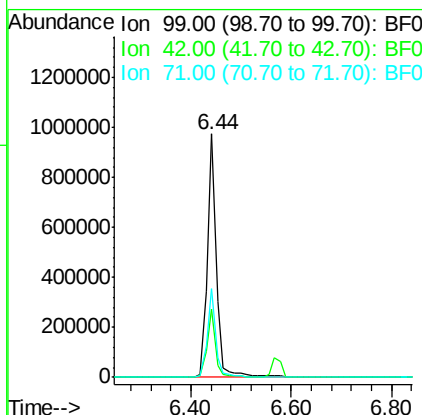
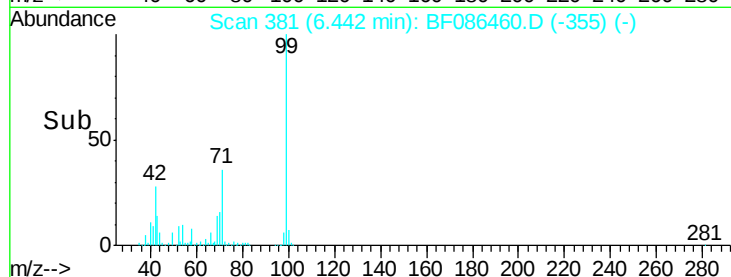
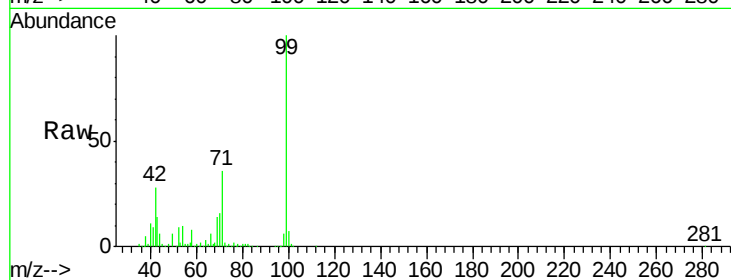
BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB01(0.5-10.0)

Tot Ion: 99 Resp: 1244357

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 28.2  | 13.6  | 20.4# |
| 71  | 36.4  | 24.6  | 36.8  |



#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 6.96 min Scan# 426

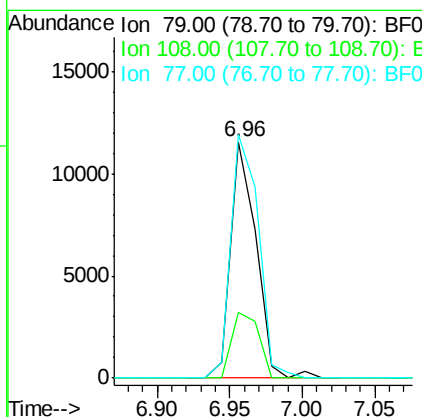
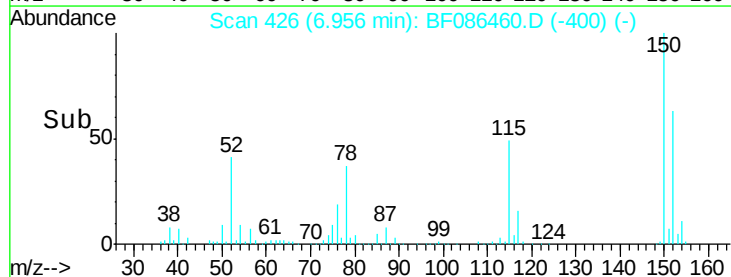
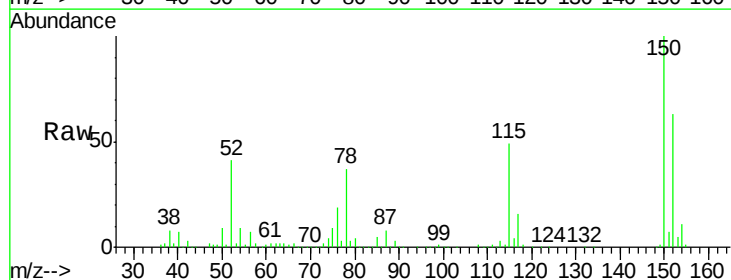
Delta R.T. 0.00 min

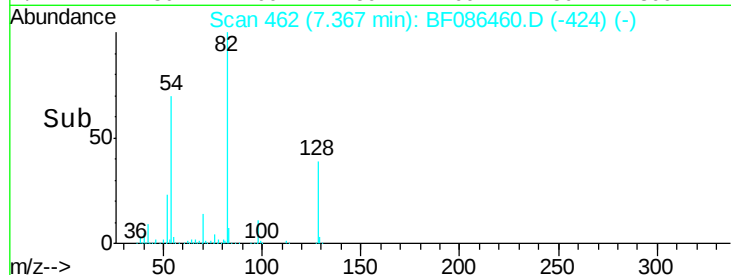
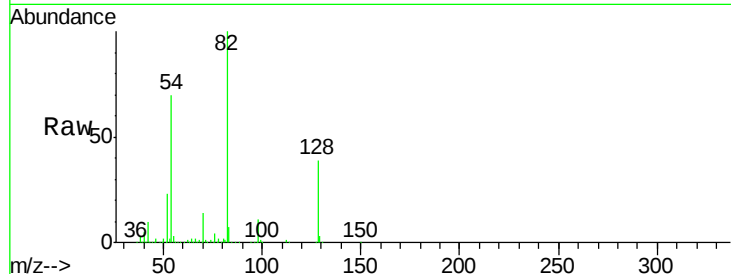
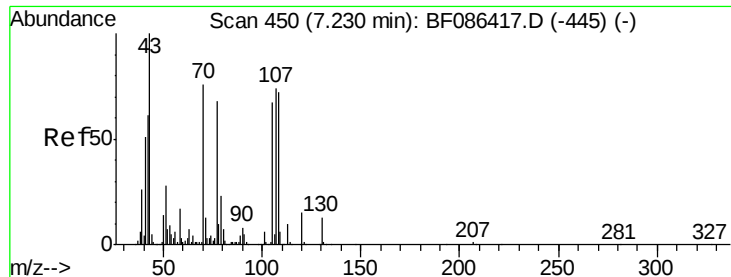
Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

Tgt Ion: 79 Resp: 14077

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 79  | 100   |       |        |
| 108 | 27.9  | 68.4  | 102.6# |
| 77  | 103.0 | 50.6  | 76.0#  |

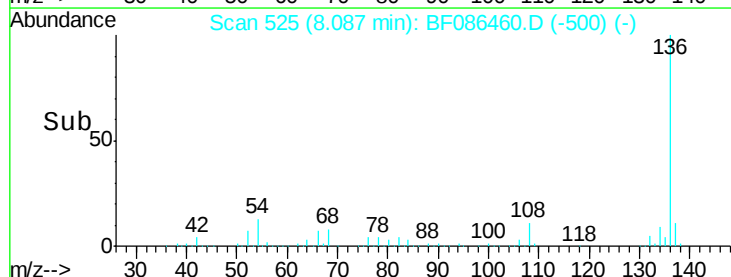
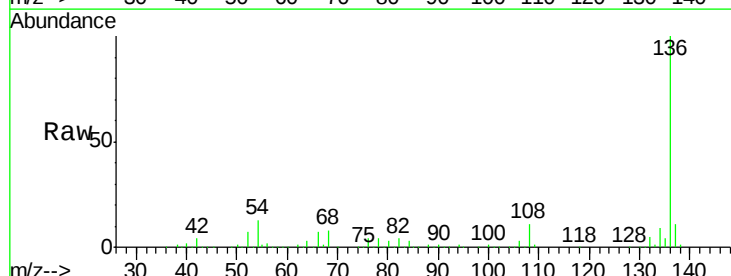
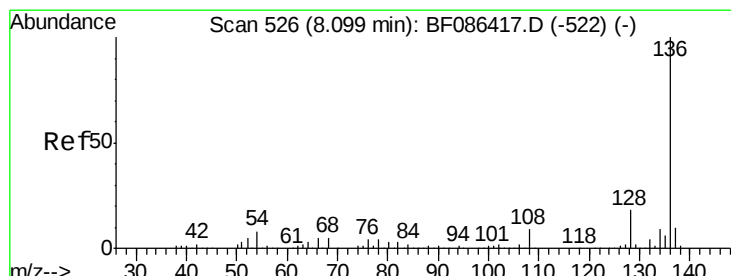
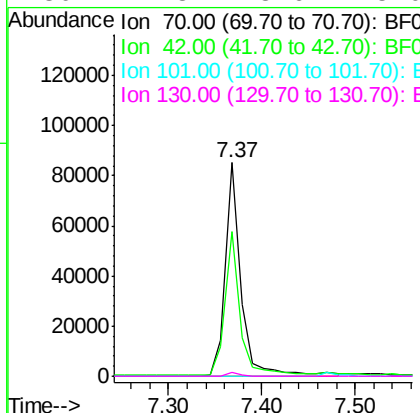




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.03 ng  
RT: 7.37 min Scan# 462  
Delta R.T. 0.14 min  
Lab File: BF086460.D  
Acq: 28 Apr 2016 8:33

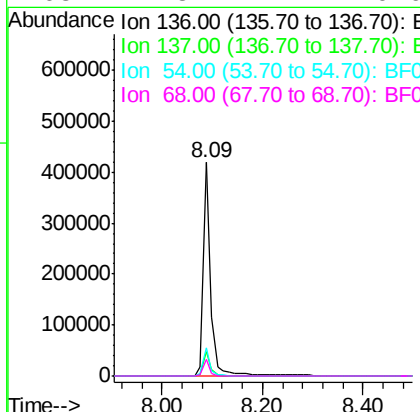
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB01(0.5-10.0)

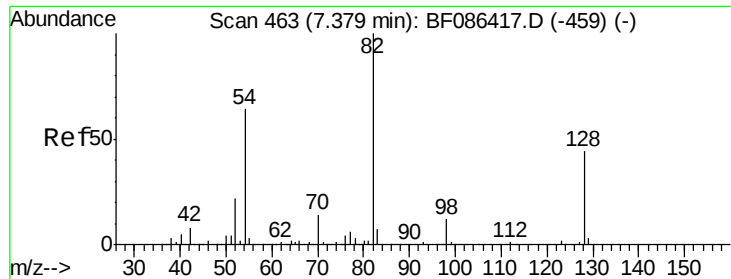
Tot Ion: 70 Resp: 100940  
Ion Ratio Lower Upper  
70 100  
42 67.9 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.8 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.09 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: BF086460.D  
Acq: 28 Apr 2016 8:33

Tgt Ion: 136 Resp: 437017  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 13.2 5.0 7.4#  
68 7.8 4.4 6.6#

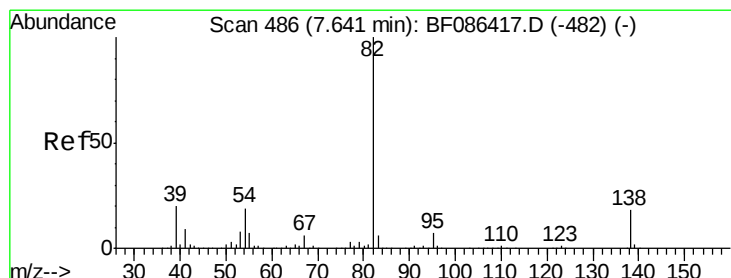
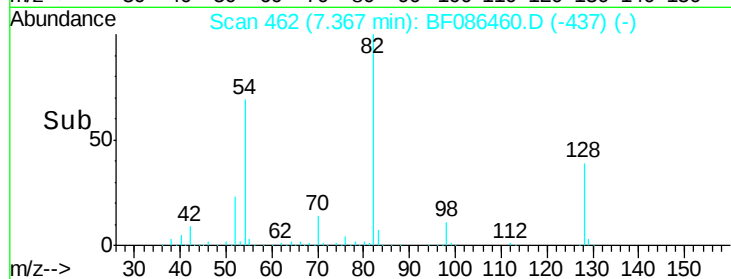
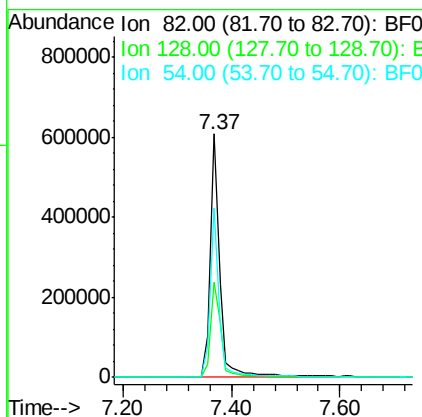
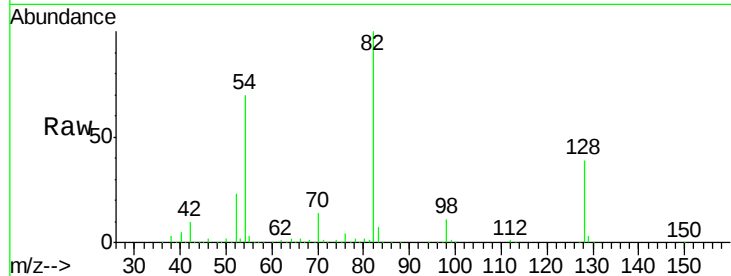




#23  
Nitrobenzene-d5  
Concen: 94.09 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.01 min  
Lab File: BF086460.D  
Acq: 28 Apr 2016 8:33

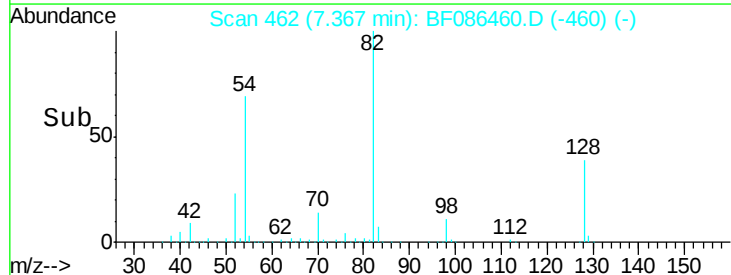
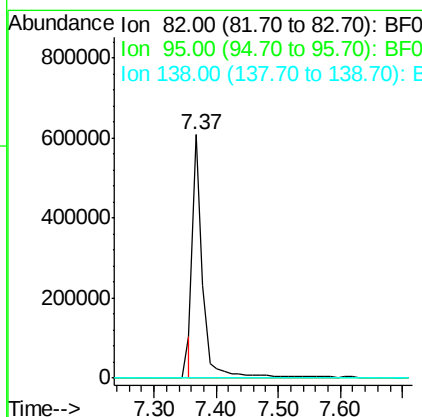
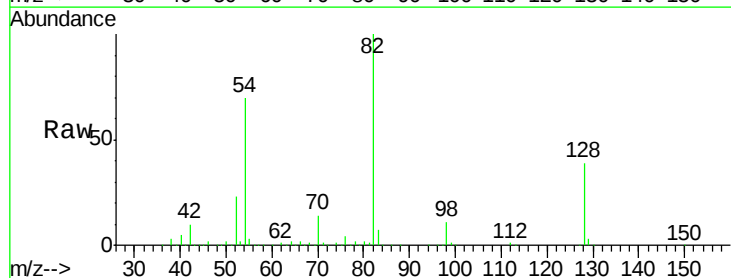
Instrument :  
BNA\_F  
ClientSampleId :  
RICHMOND-AMBOY-SB01(0.5-10.0)

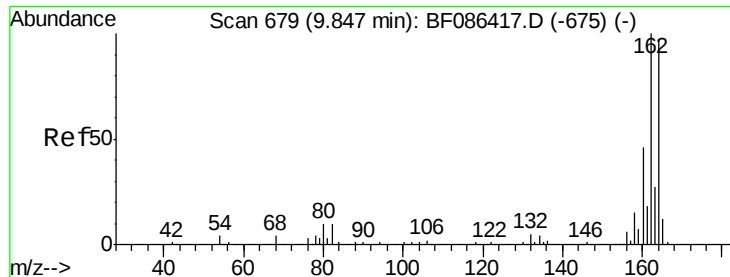
| Tot Ion   | 82    | Resp  | 762876 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 39.0  | 40.6  | 61.0#  |
| 54        | 69.5  | 38.1  | 57.1#  |



#25  
Isophorone  
Concen: 42.03 ng  
RT: 7.37 min Scan# 462  
Delta R.T. -0.27 min  
Lab File: BF086460.D  
Acq: 28 Apr 2016 8:33

| Tgt Ion   | 82    | Resp  | 655874 |
|-----------|-------|-------|--------|
| 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: BF086460.D

Acq: 28 Apr 2016 8:33

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB01(0.5-10.0)

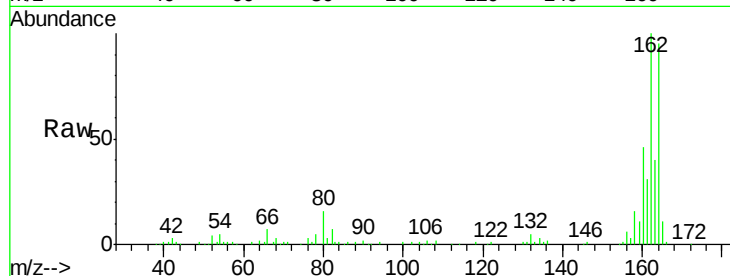
Tot Ion:164 Resp: 149320

Ion Ratio Lower Upper

164 100

162 105.0 82.8 124.2

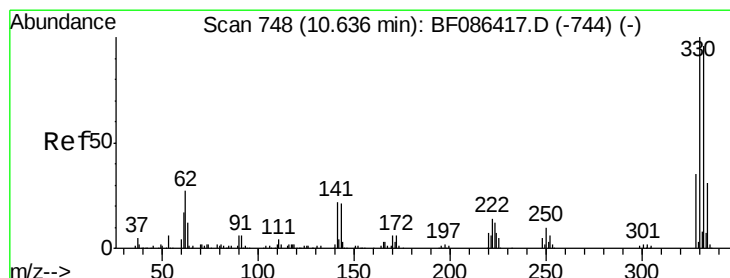
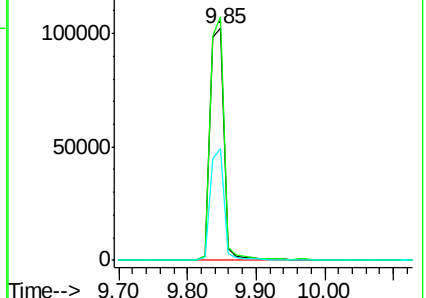
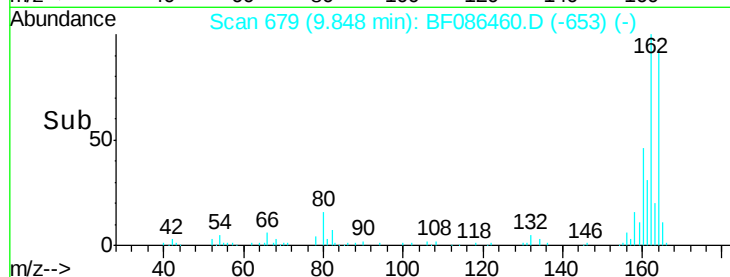
160 48.1 36.9 55.3



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: 138.14 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

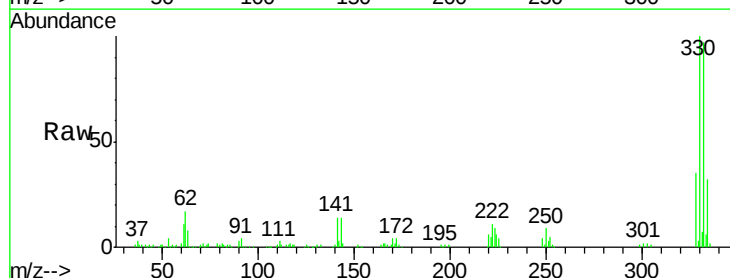
Tgt Ion:330 Resp: 217532

Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

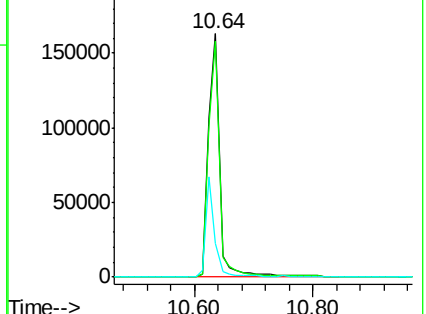
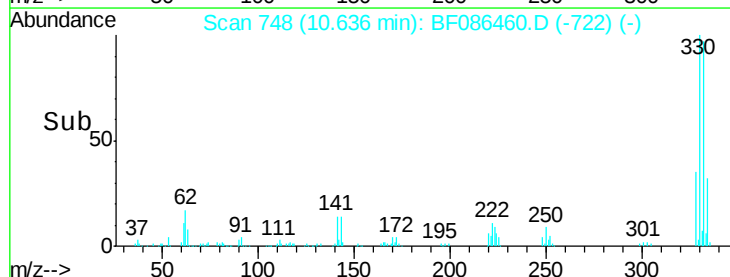
141 33.6 31.2 46.8

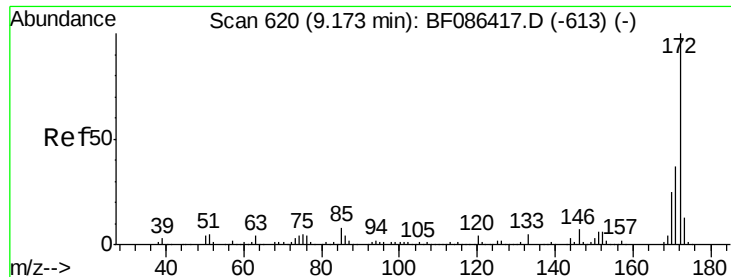


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



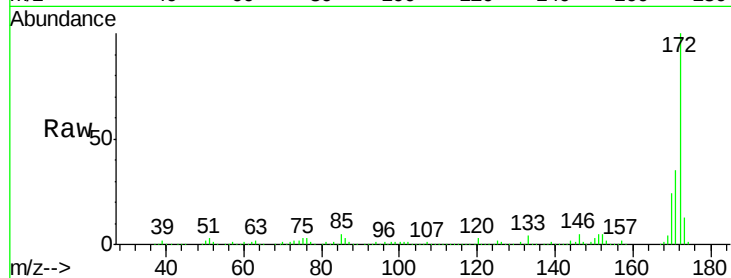


#44  
 2-Fluorobiphenyl  
 Concen: 154.00 ng  
 RT: 9.17 min Scan# 620  
 Delta R.T. 0.00 min  
 Lab File: BF086460.D  
 Acq: 28 Apr 2016 8:33

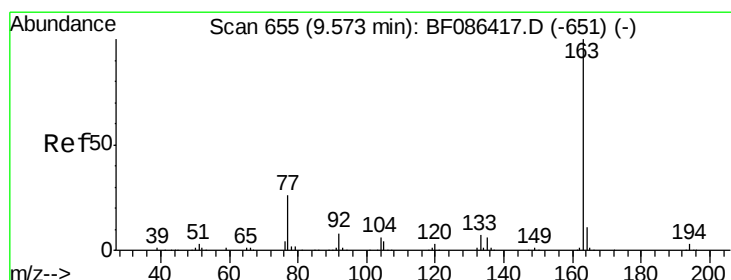
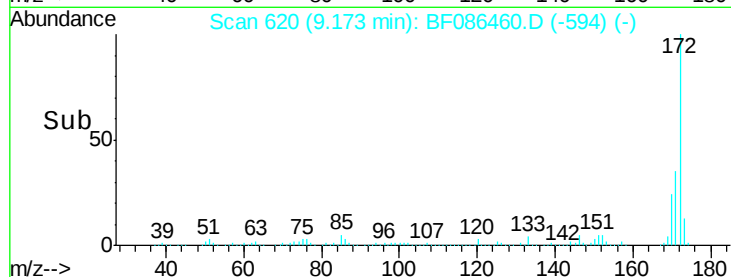
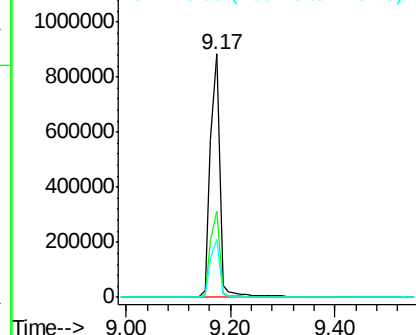
Instrument :  
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Tot Ion:172 Resp: 1123644  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.4  | 29.0  | 43.6  |
| 170 | 24.0  | 19.8  | 29.8  |



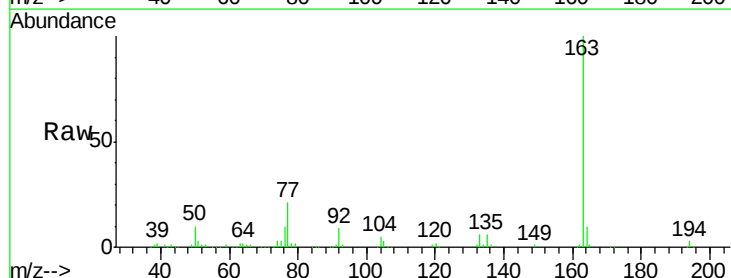
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



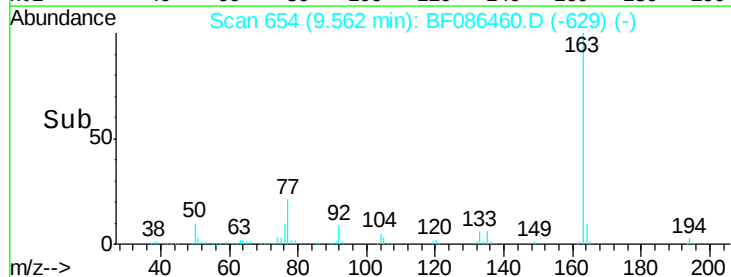
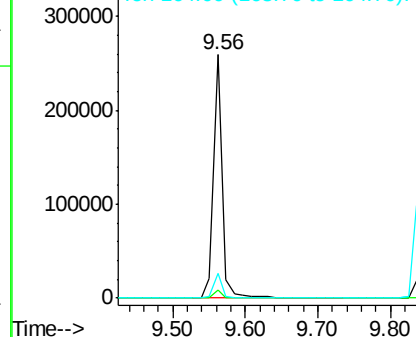
#49  
 Dimethylphthalate  
 Concen: 19.40 ng  
 RT: 9.56 min Scan# 654  
 Delta R.T. -0.01 min  
 Lab File: BF086460.D  
 Acq: 28 Apr 2016 8:33

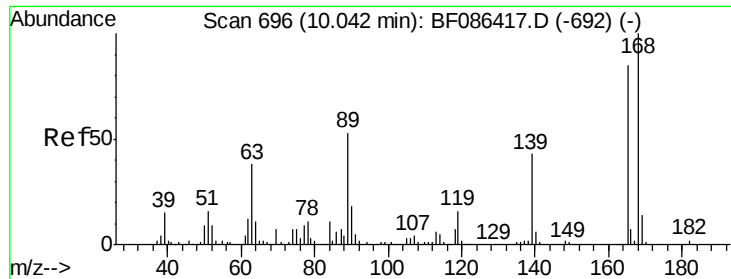
Tgt Ion:163 Resp: 218028  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.2   | 2.6   | 4.0   |
| 164 | 10.0  | 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: 6.16 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.21 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB01(0.5-10.0)

Tot Ion:165 Resp: 18243

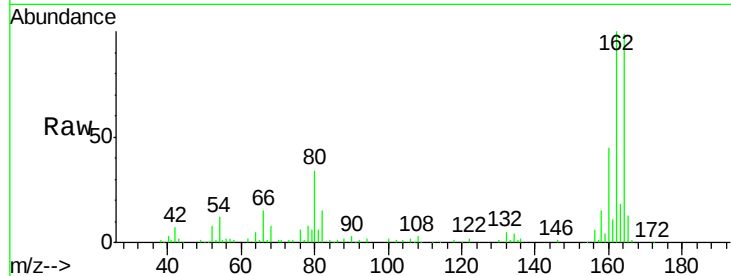
Ion Ratio Lower Upper

165 100

63 0.0 44.3 66.5#

89 0.0 70.0 105.0#

182 0.0 1.8 2.6#

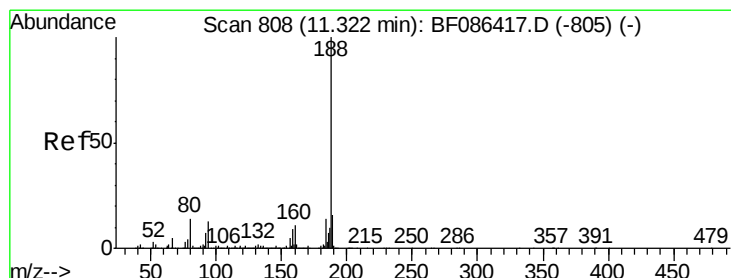
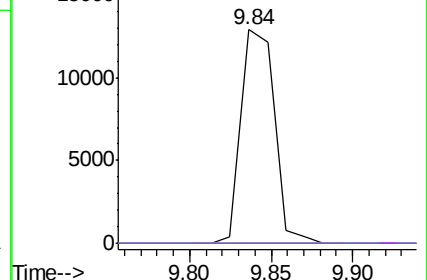
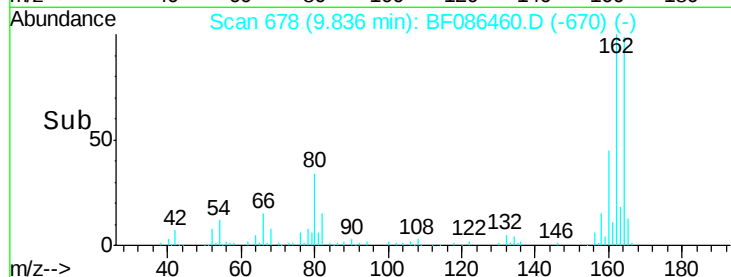


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086460.D

Acq: 28 Apr 2016 8:33

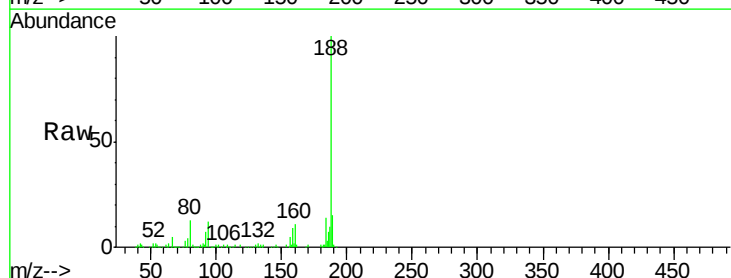
Tgt Ion:188 Resp: 262636

Ion Ratio Lower Upper

188 100

94 11.7 6.8 10.2#

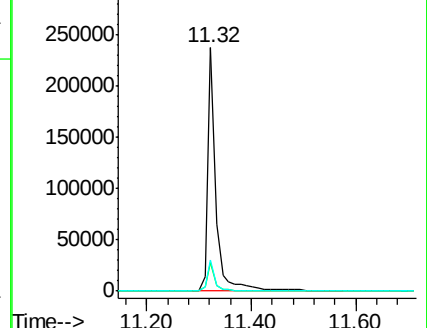
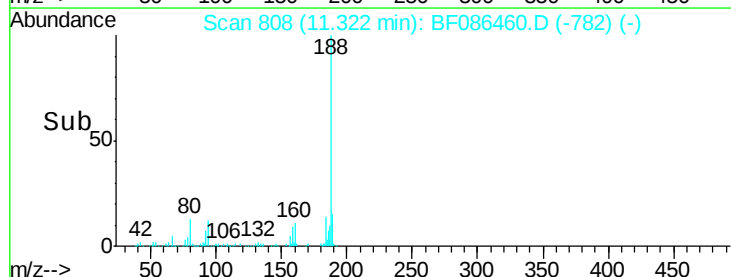
80 12.6 7.1 10.7#

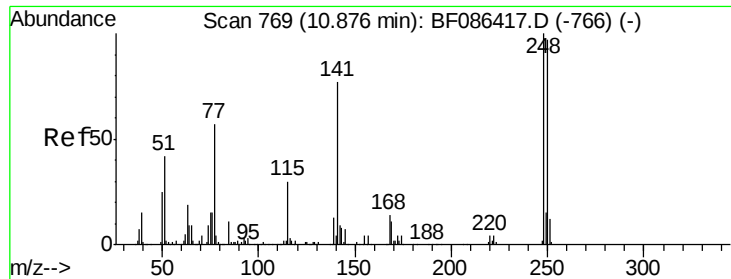


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.40 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.25 min

Lab File: BF086460.D

Acq: 28 Apr 2016 8:33

Instrument :

BNA\_F

ClientSampleId :

RICHMOND-AMBOY-SB01(0.5-10.0)

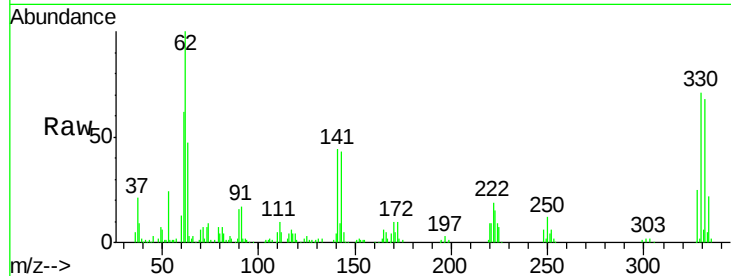
Tot Ion:248 Resp: 11920

Ion Ratio Lower Upper

248 100

250 204.6 78.6 117.8#

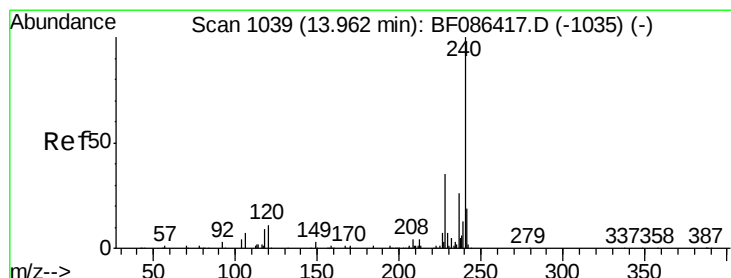
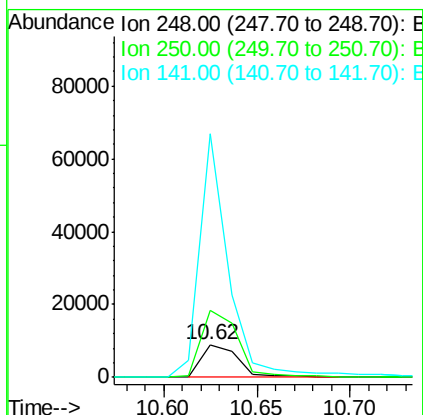
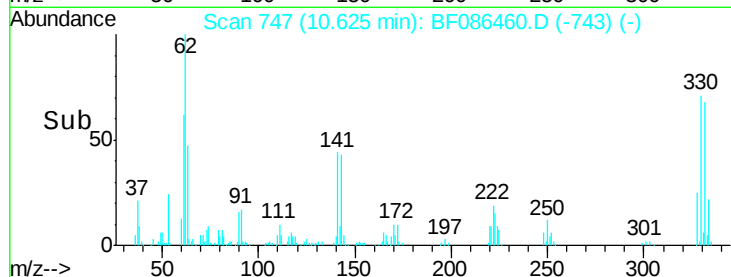
141 750.5 76.0 114.0#



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: BF086460.D

Acq: 28 Apr 2016 8:33

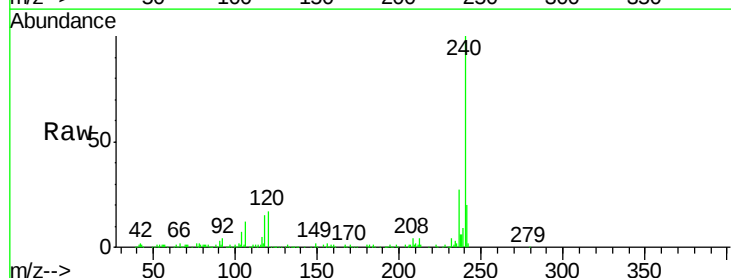
Tgt Ion:240 Resp: 288944

Ion Ratio Lower Upper

240 100

120 17.1 11.2 16.8#

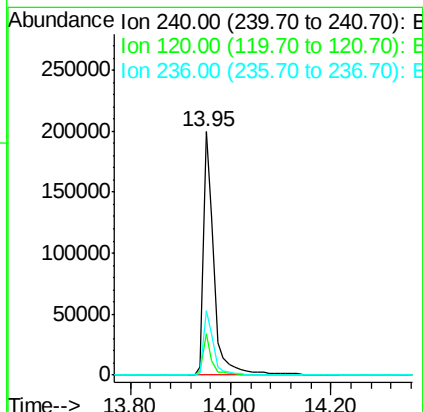
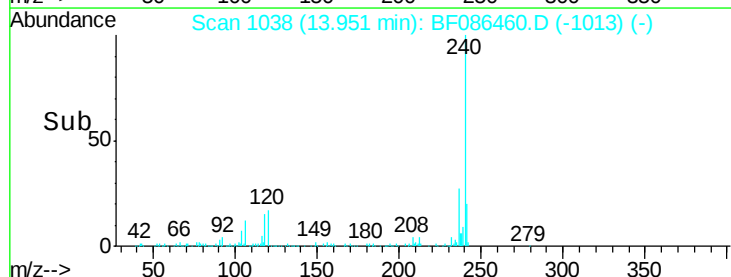
236 26.5 21.2 31.8

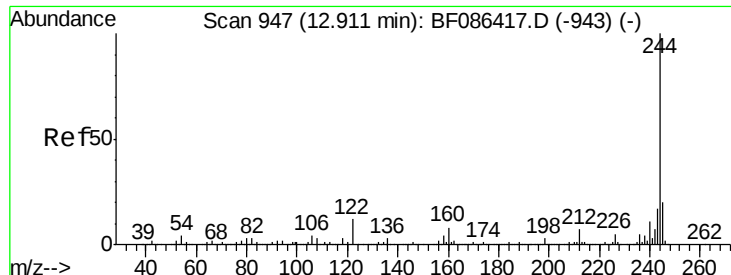


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

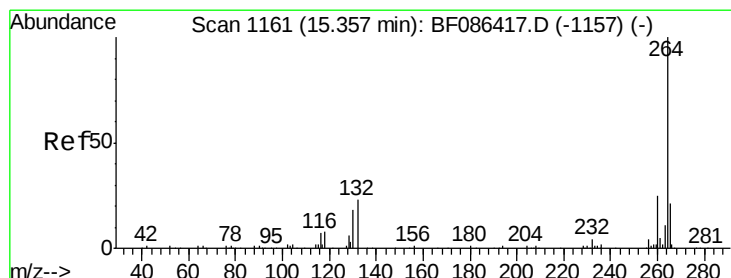
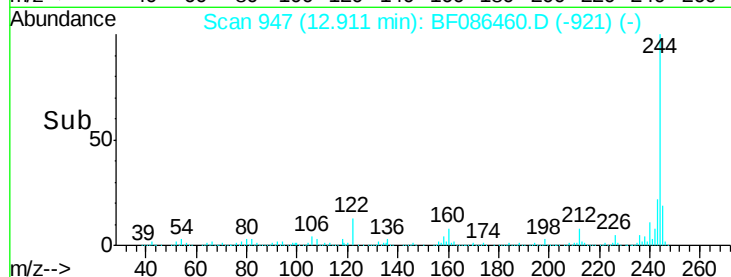
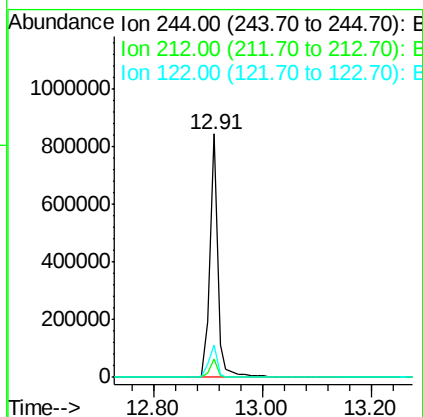
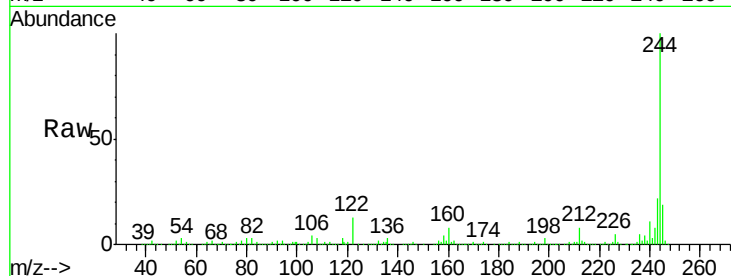




#78  
 Terphenyl-d14  
 Concen: 65.96 ng  
 RT: 12.91 min Scan# 947  
 Delta R.T. 0.00 min  
 Lab File: BF086460.D  
 Acq: 28 Apr 2016 8:33

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RICHMOND-AMBOY-SB01(0.5-10.0)

Tot Ion:244 Resp: 865108  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 13.2 12.0 18.0



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.37 min Scan# 1162  
 Delta R.T. 0.01 min  
 Lab File: BF086460.D  
 Acq: 28 Apr 2016 8:33

Tgt Ion:264 Resp: 204594  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.5 29.3  
 265 21.0 17.3 25.9

