

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040716\  
 Data File : BF086144.D  
 Acq On : 7 Apr 2016 22:00  
 Operator : UM/SJ  
 Sample : H2282-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-13(0.5-20.0)

Quant Time: Apr 08 01:43:41 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

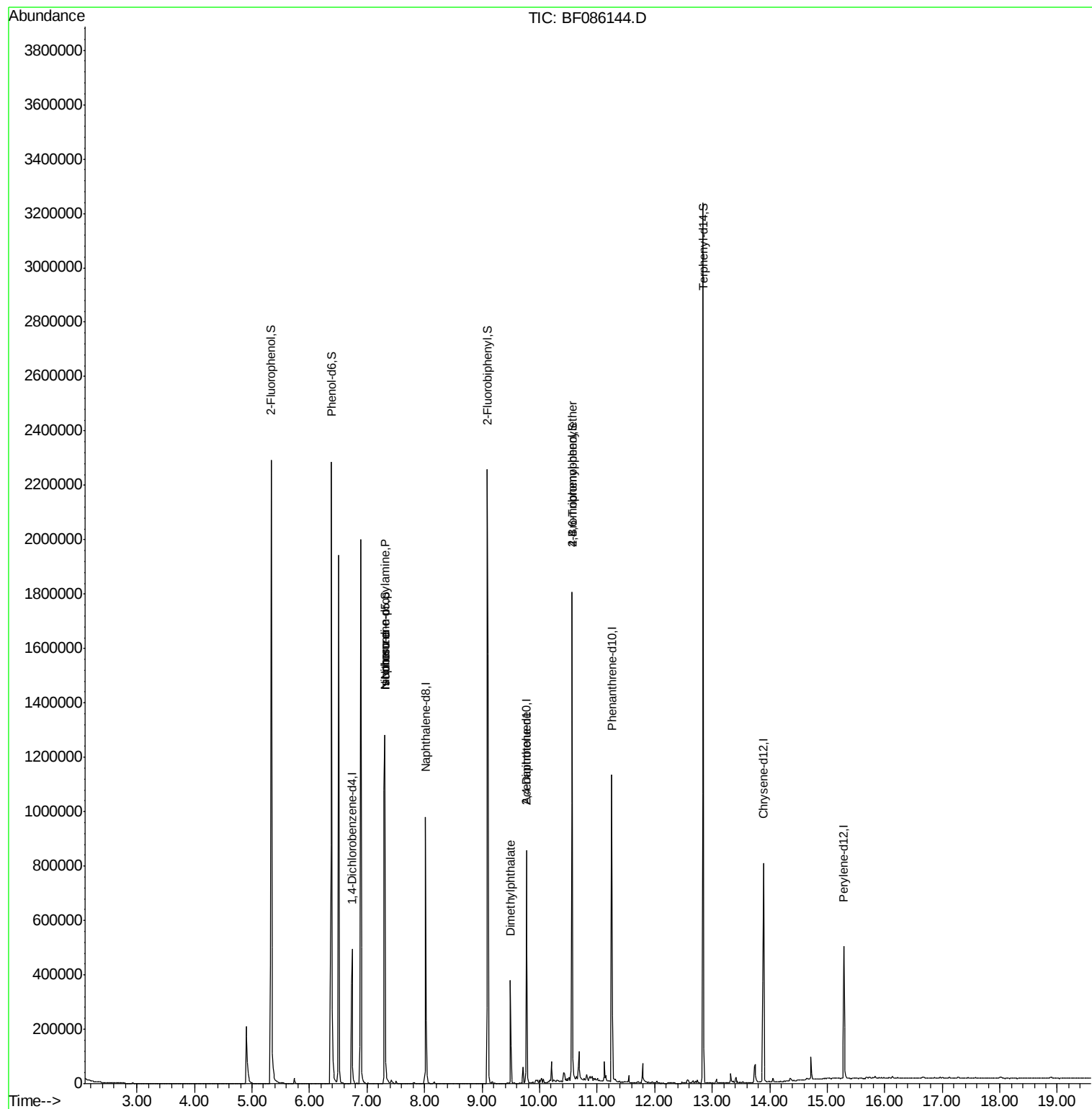
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 106938   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.02  | 136  | 454663   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.77  | 164  | 206138   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.25 | 188  | 402074   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 13.89 | 240  | 308713   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12               | 15.29 | 264  | 208922   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 747413   | 119.47 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.38  | 99   | 962542   | 121.13 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 635623   | 82.44  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 283776   | 146.67 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 996336   | 80.36  | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.84 | 244  | 1019152  | 77.60  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 82298    | 16.71  | ng    | # 73     |
| 25) Isophorone                 | 7.31  | 82   | 629405   | 41.36  | ng    | # 68     |
| 49) Dimethylphthalate          | 9.49  | 163  | 165371   | 10.82  | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 9.77  | 165  | 26102    | 6.39   | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 18455    | 4.50   | 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: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-13(0.5-20.0)

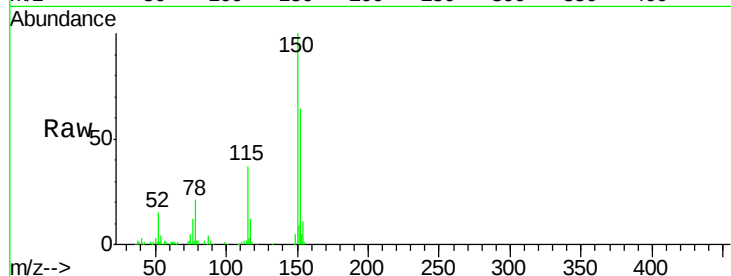
Tgt Ion:152 Resp: 106938

Ion Ratio Lower Upper

152 100

150 155.9 124.2 186.2

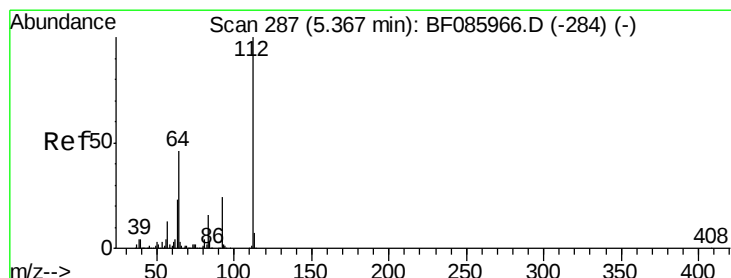
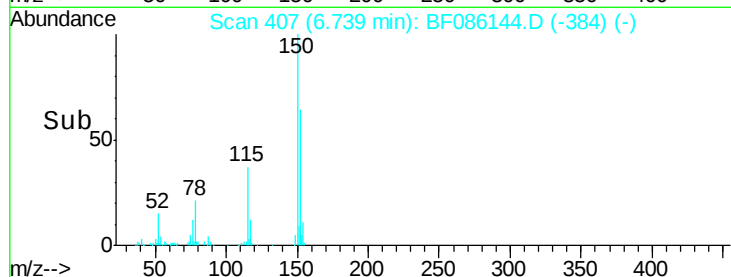
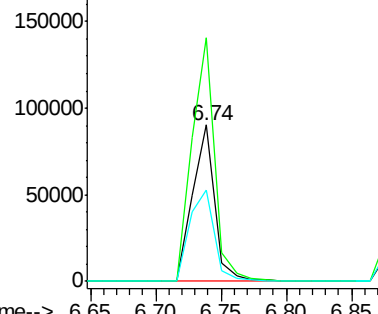
115 58.2 47.0 70.6



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: 119.47 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

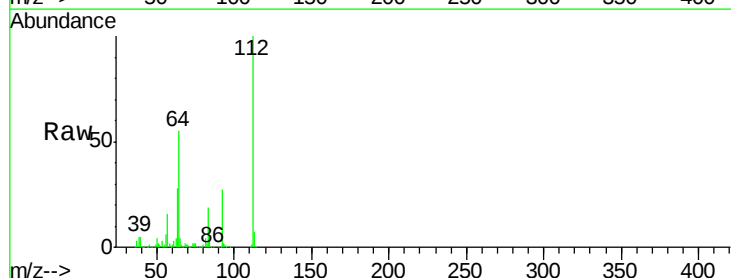
Tgt Ion:112 Resp: 747413

Ion Ratio Lower Upper

112 100

64 54.6 39.9 59.9

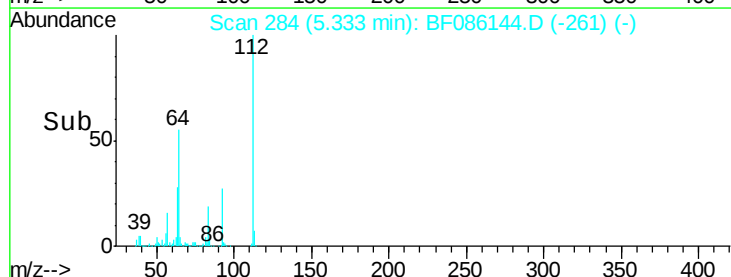
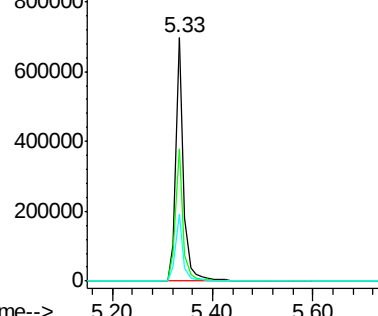
63 27.7 20.2 30.2



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: 121.13 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-13(0.5-20.0)

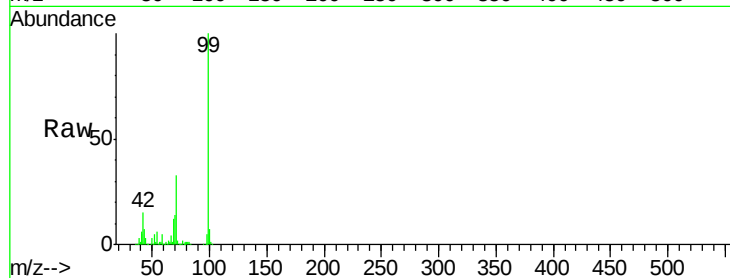
Tgt Ion: 99 Resp: 962542

Ion Ratio Lower Upper

99 100

42 14.9 11.1 16.7

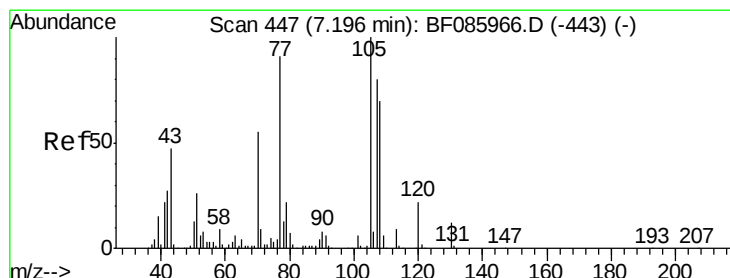
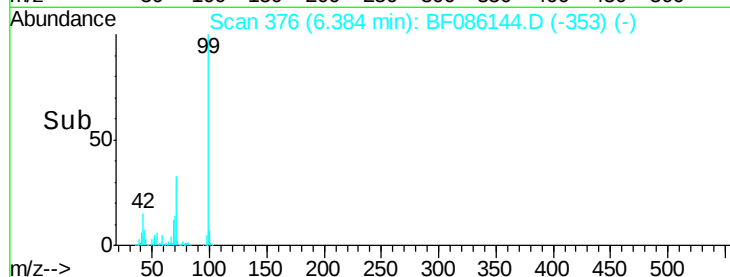
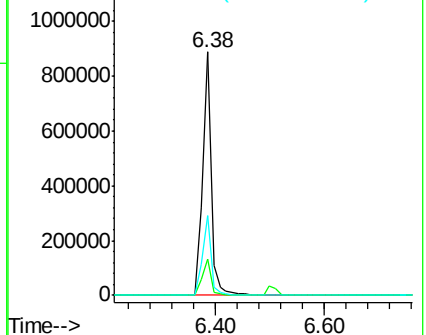
71 33.0 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.71 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

Tgt Ion: 70 Resp: 82298

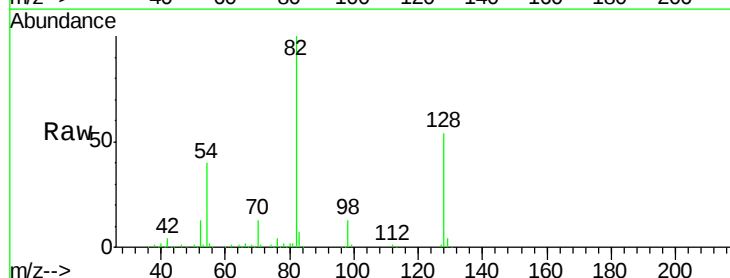
Ion Ratio Lower Upper

70 100

42 34.9 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

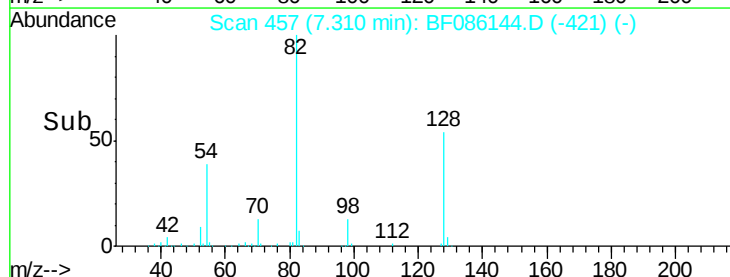
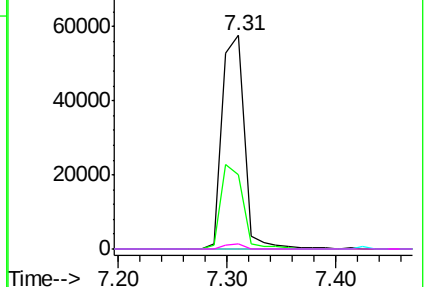


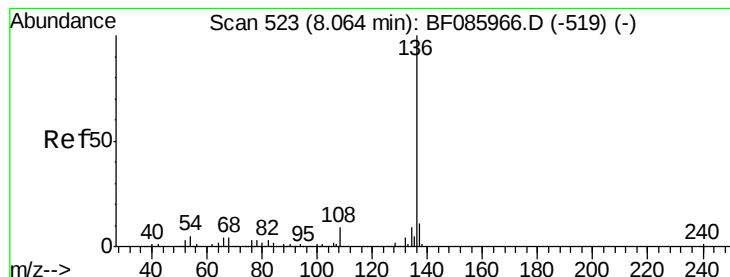
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-13(0.5-20.0)

Tgt Ion: 136 Resp: 454663

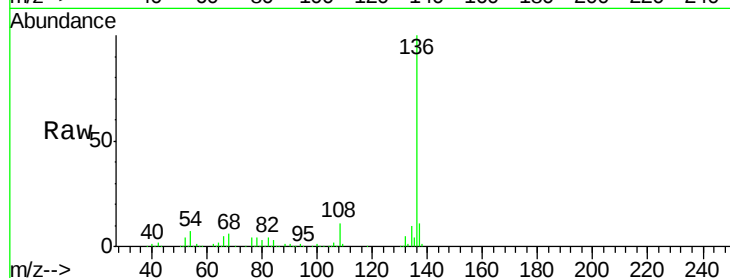
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 7.4 7.4 11.0

68 6.4 5.8 8.8

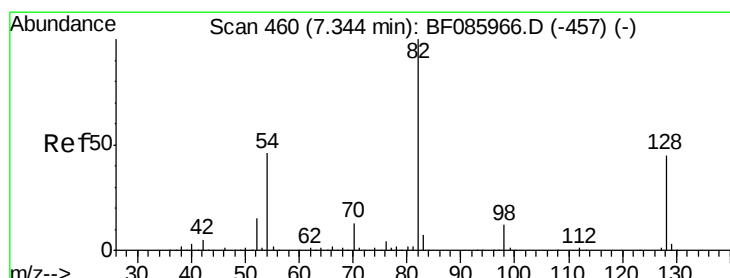
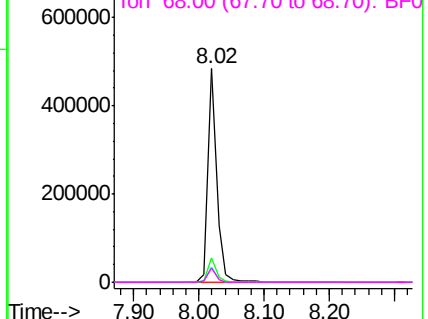
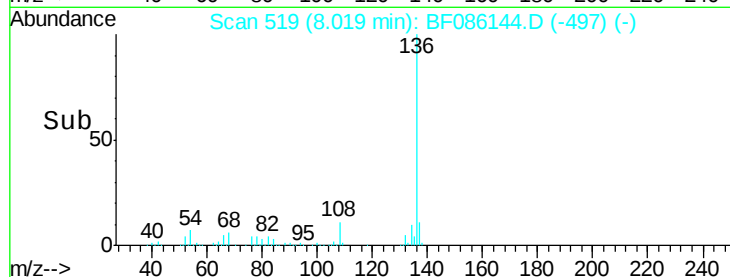


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.44 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

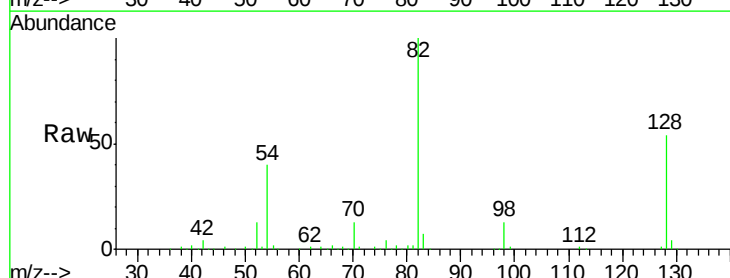
Tgt Ion: 82 Resp: 635623

Ion Ratio Lower Upper

82 100

128 54.1 41.8 62.8

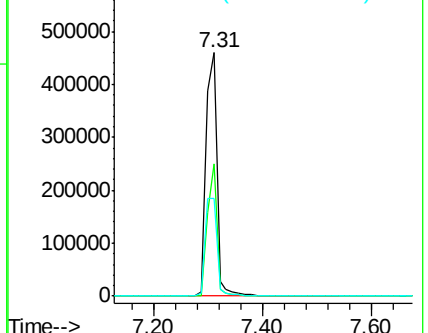
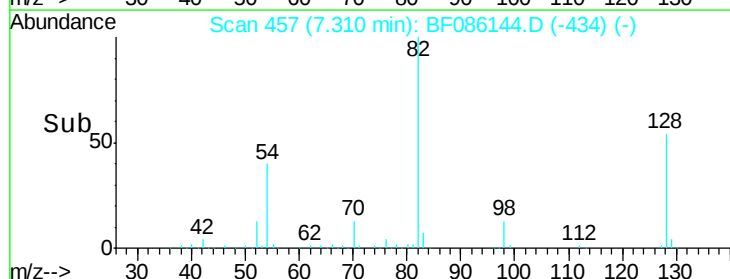
54 40.2 33.4 50.0

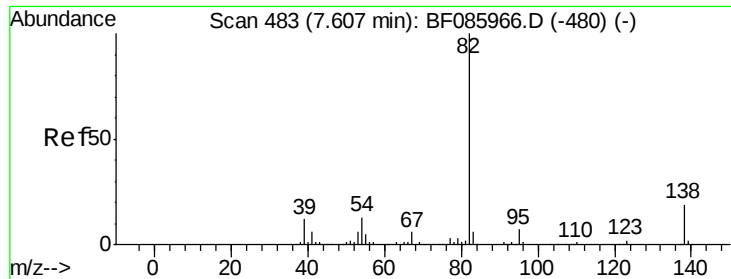


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

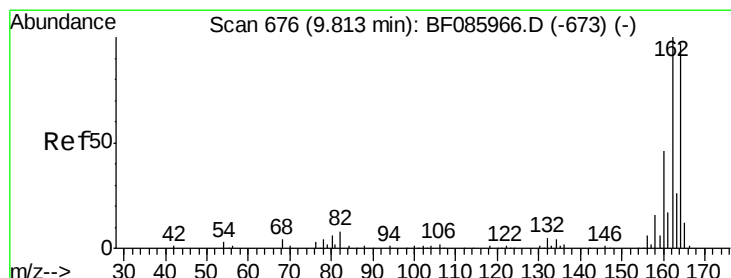
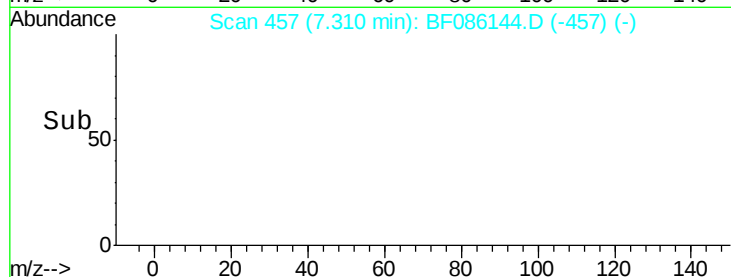
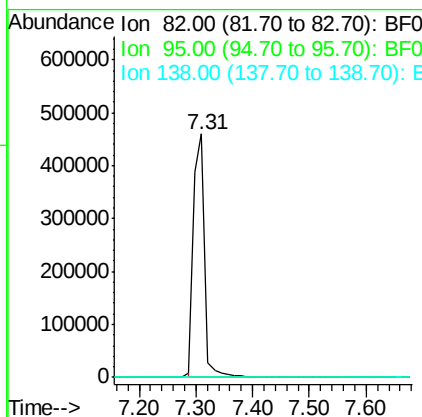
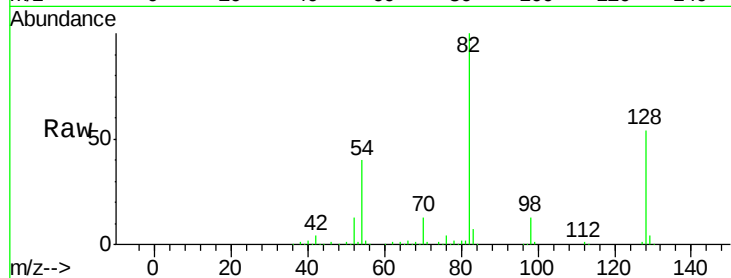




#25  
Isophorone  
Concen: 41.36 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.30 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

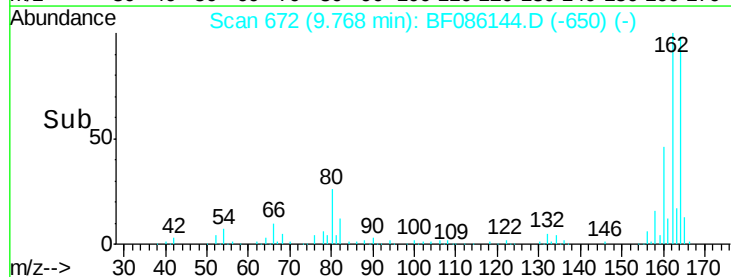
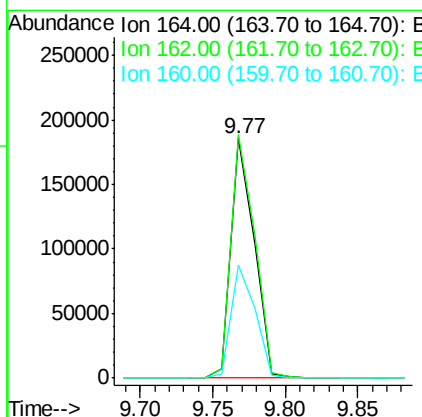
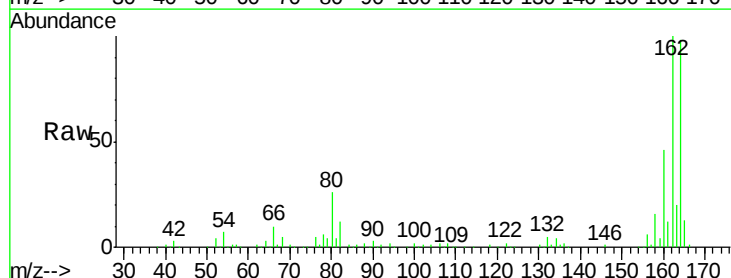
Instrument :  
BNA\_F  
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AMBOY-SB-13(0.5-20.0)

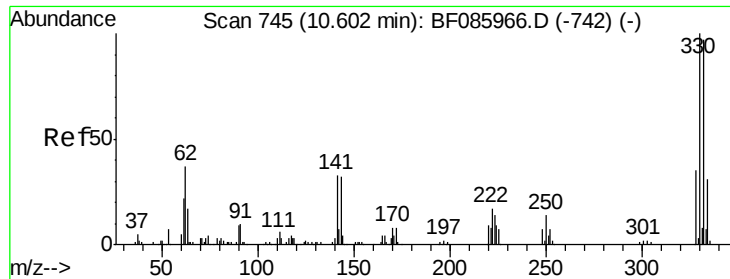
Tgt Ion: 82 Resp: 629405  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.2#  
138 0.0 12.9 19.3#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.05 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Tgt Ion: 164 Resp: 206138  
Ion Ratio Lower Upper  
164 100  
162 101.7 82.1 123.1  
160 47.0 37.4 56.2

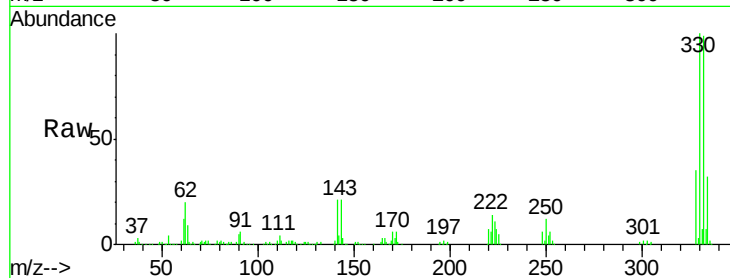




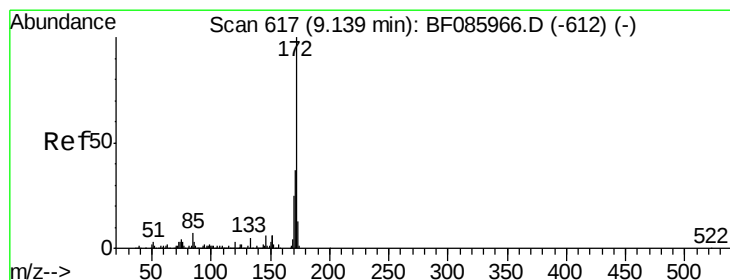
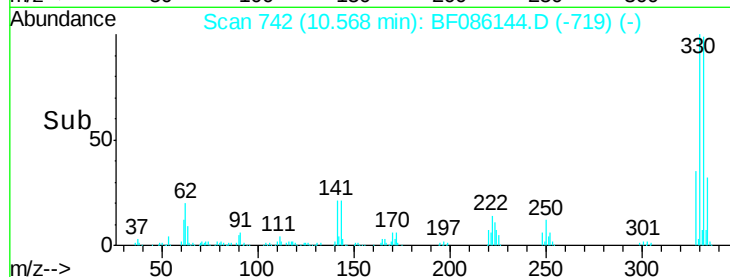
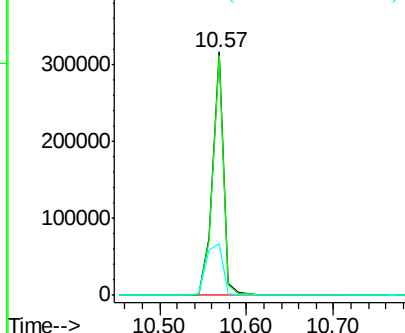
#41  
 2,4,6-Tribromophenol  
 Concen: 146.67 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086144.D  
 Acq: 7 Apr 2016 22:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-13(0.5-20.0)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 78.2  | 117.2 |
| 141     | 32.6  | 31.5  | 47.3  |

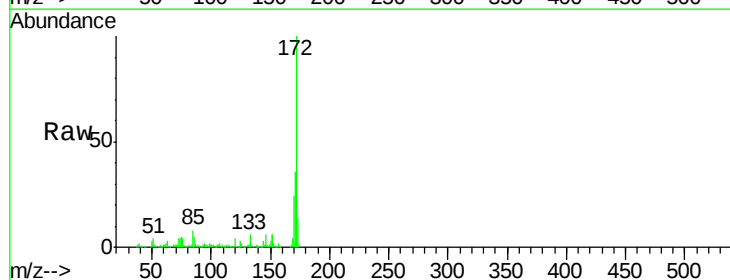


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

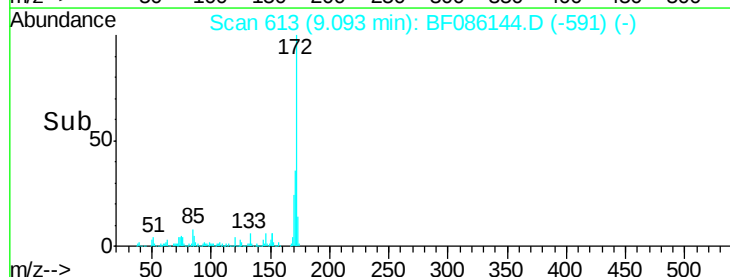
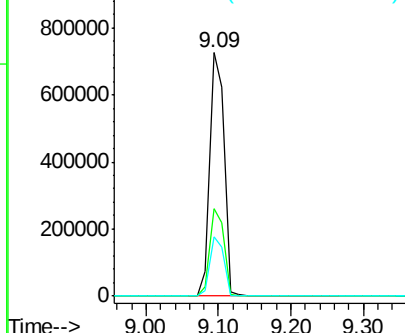


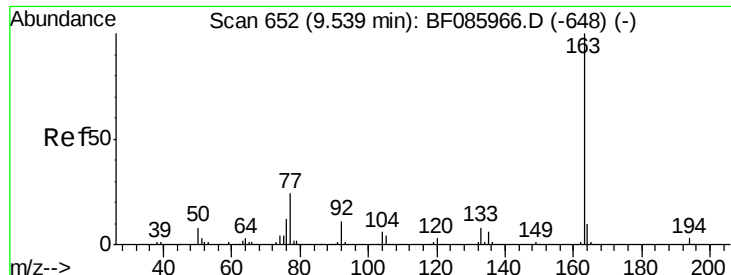
#44  
 2-Fluorobiphenyl  
 Concen: 80.36 ng  
 RT: 9.09 min Scan# 613  
 Delta R.T. -0.05 min  
 Lab File: BF086144.D  
 Acq: 7 Apr 2016 22:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.4  | 44.2  |
| 170     | 24.3  | 19.8  | 29.6  |



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

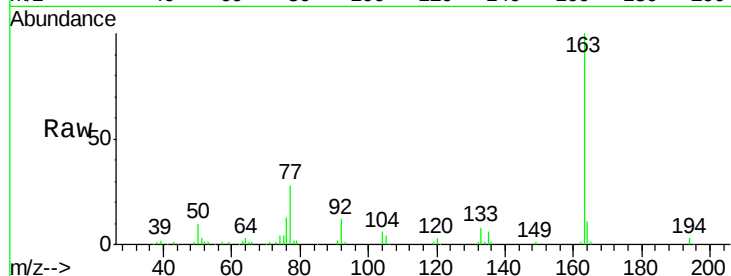




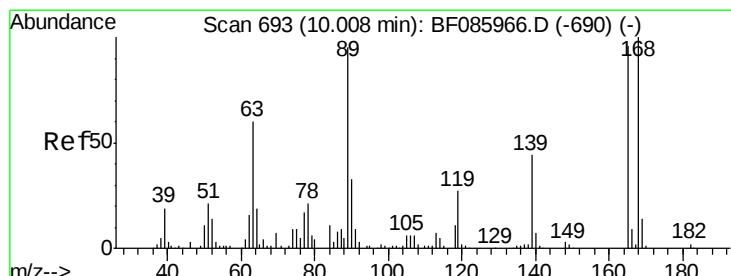
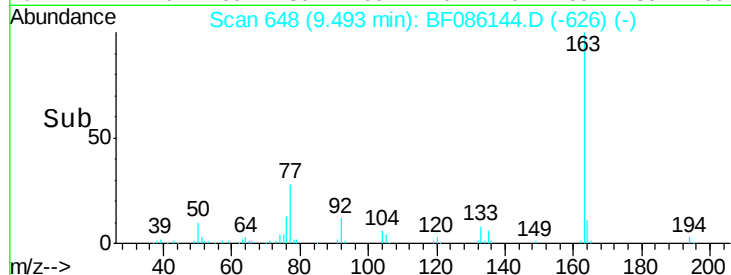
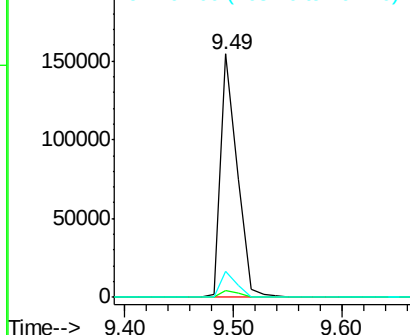
#49  
Dimethylphthalate  
Concen: 10.82 ng  
RT: 9.49 min Scan# 648  
Delta R.T. -0.05 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-13(0.5-20.0)

Tgt Ion:163 Resp: 165371  
Ion Ratio Lower Upper  
163 100  
194 3.0 2.9 4.3  
164 10.7 8.3 12.5

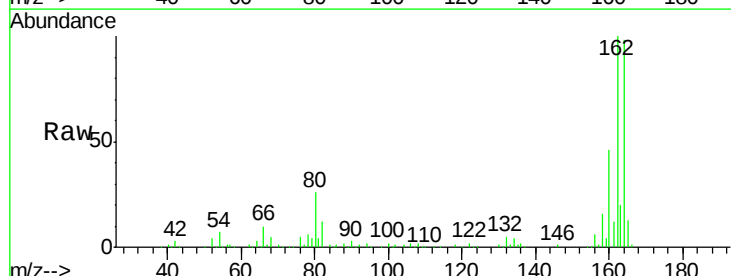


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

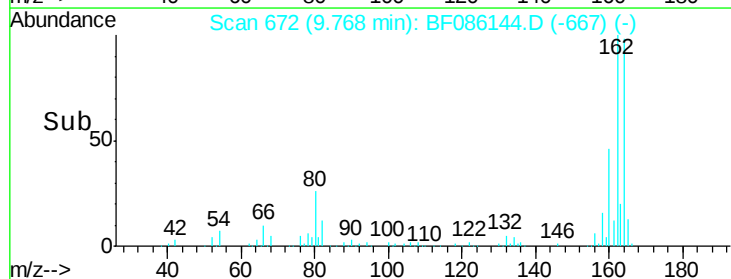
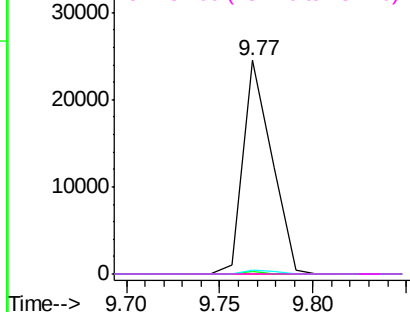


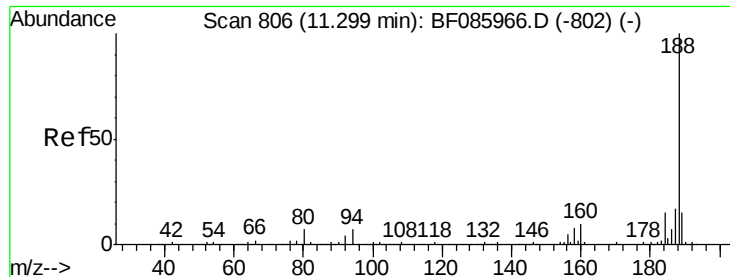
#56  
2,4-Dinitrotoluene  
Concen: 6.39 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.24 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Tgt Ion:165 Resp: 26102  
Ion Ratio Lower Upper  
165 100  
63 1.3 24.9 37.3#  
89 1.8 41.0 61.6#  
182 0.0 2.1 3.1#



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

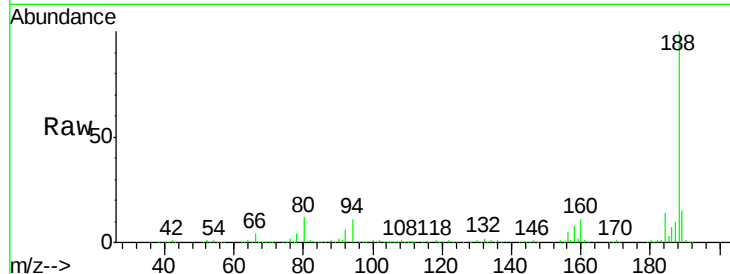




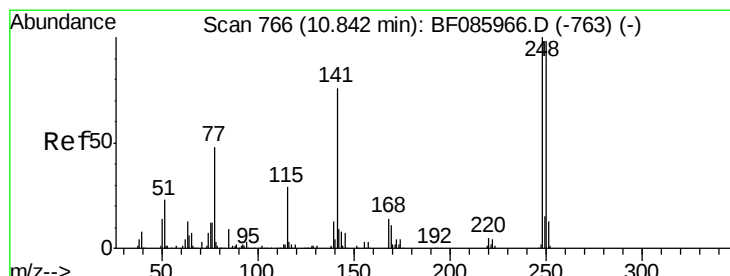
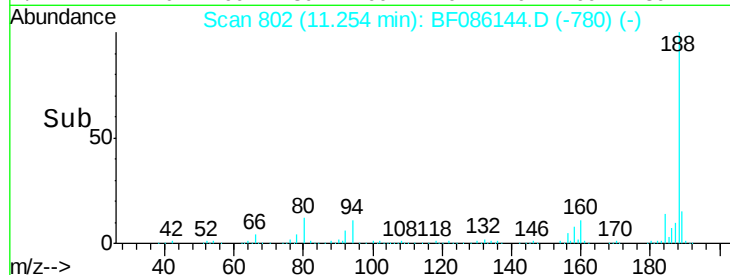
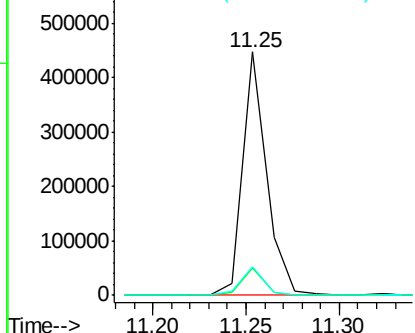
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.05 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-13(0.5-20.0)

Tgt Ion:188 Resp: 402074  
Ion Ratio Lower Upper  
188 100  
94 11.0 5.4 8.0#  
80 11.7 5.5 8.3#

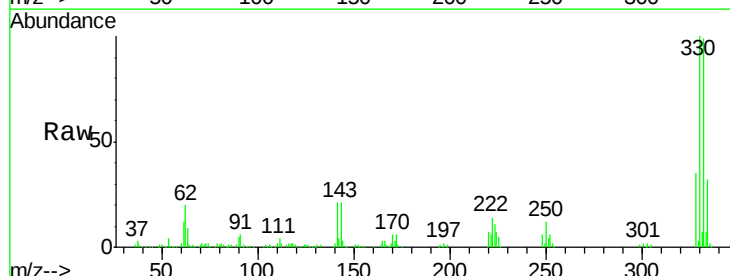


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

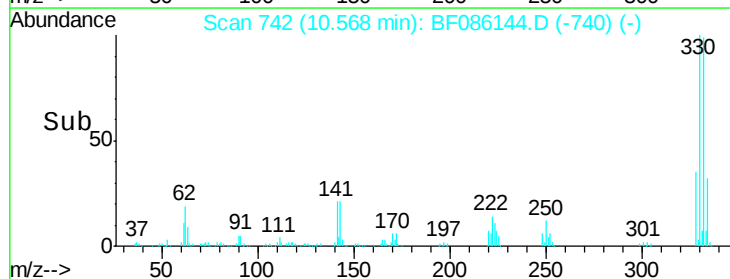
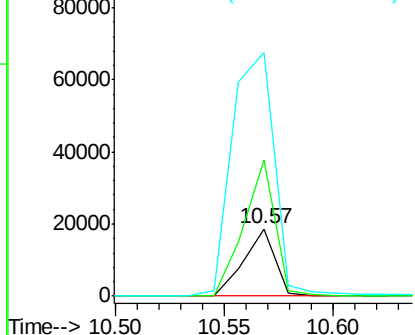


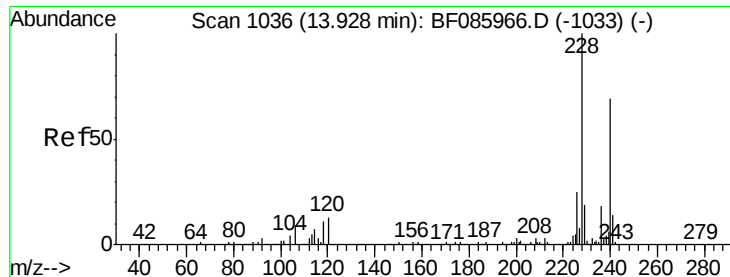
#66  
4-Bromophenyl-phenylether  
Concen: 4.50 ng  
RT: 10.57 min Scan# 742  
Delta R.T. -0.27 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Tgt Ion:248 Resp: 18455  
Ion Ratio Lower Upper  
248 100  
250 202.9 77.4 116.0#  
141 362.2 63.6 95.4#



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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-13(0.5-20.0)

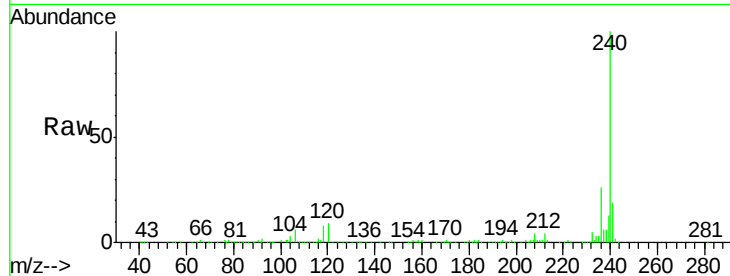
Tgt Ion:240 Resp: 308713

Ion Ratio Lower Upper

240 100

120 9.4 13.8 20.8#

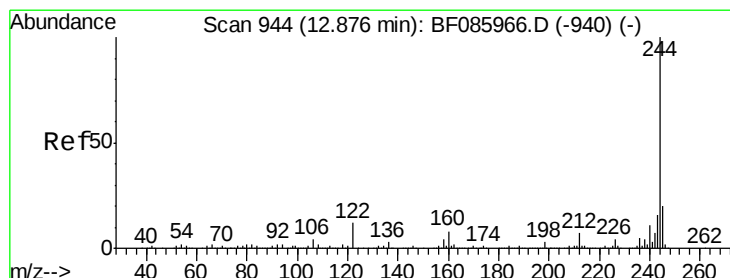
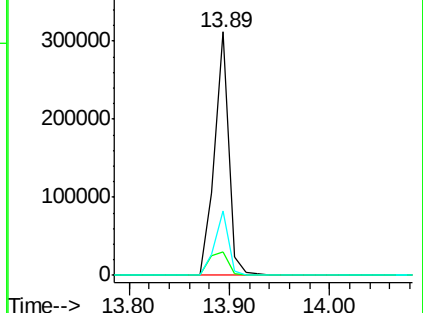
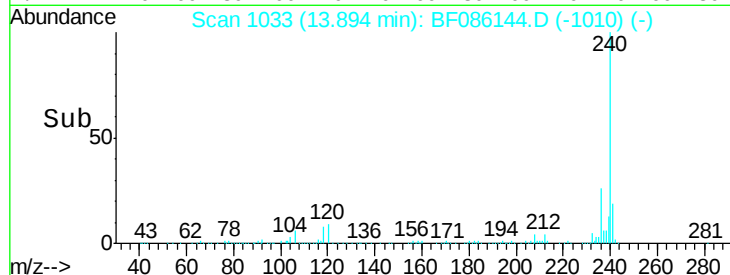
236 26.4 20.6 30.8



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: 77.60 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086144.D

Acq: 7 Apr 2016 22:00

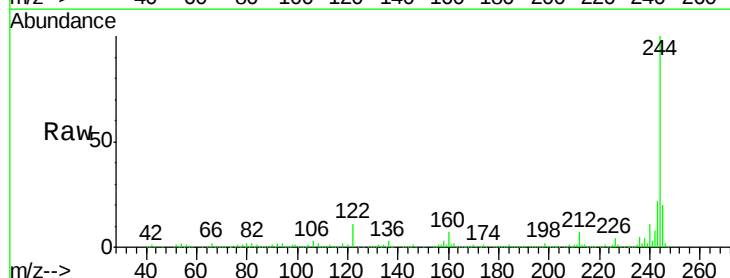
Tgt Ion:244 Resp: 1019152

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

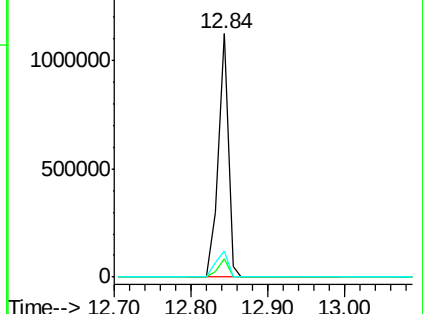
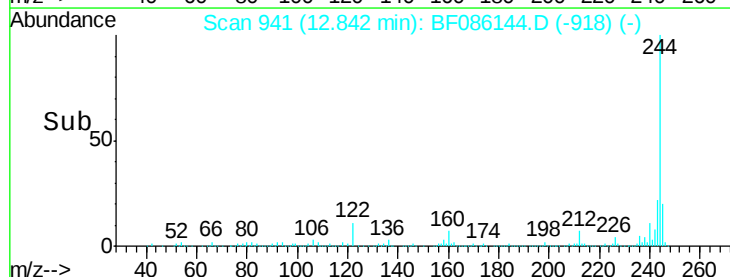
122 10.8 10.2 15.4

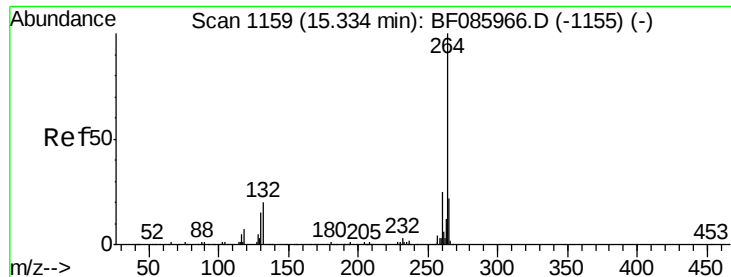


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.29 min Scan# 1155  
Delta R.T. -0.05 min  
Lab File: BF086144.D  
Acq: 7 Apr 2016 22:00

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-13(0.5-20.0)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.4  | 29.2  |
| 265     | 21.2  | 17.2  | 25.8  |

