

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF033116\  
 Data File : BF085954.D  
 Acq On : 1 Apr 2016 4:02  
 Operator : UM/SJ  
 Sample : H2046-06  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-33(0.5-15.0COMP)

Quant Time: Apr 01 03:33:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 30 12:31:18 2016  
 Response via : Initial Calibration

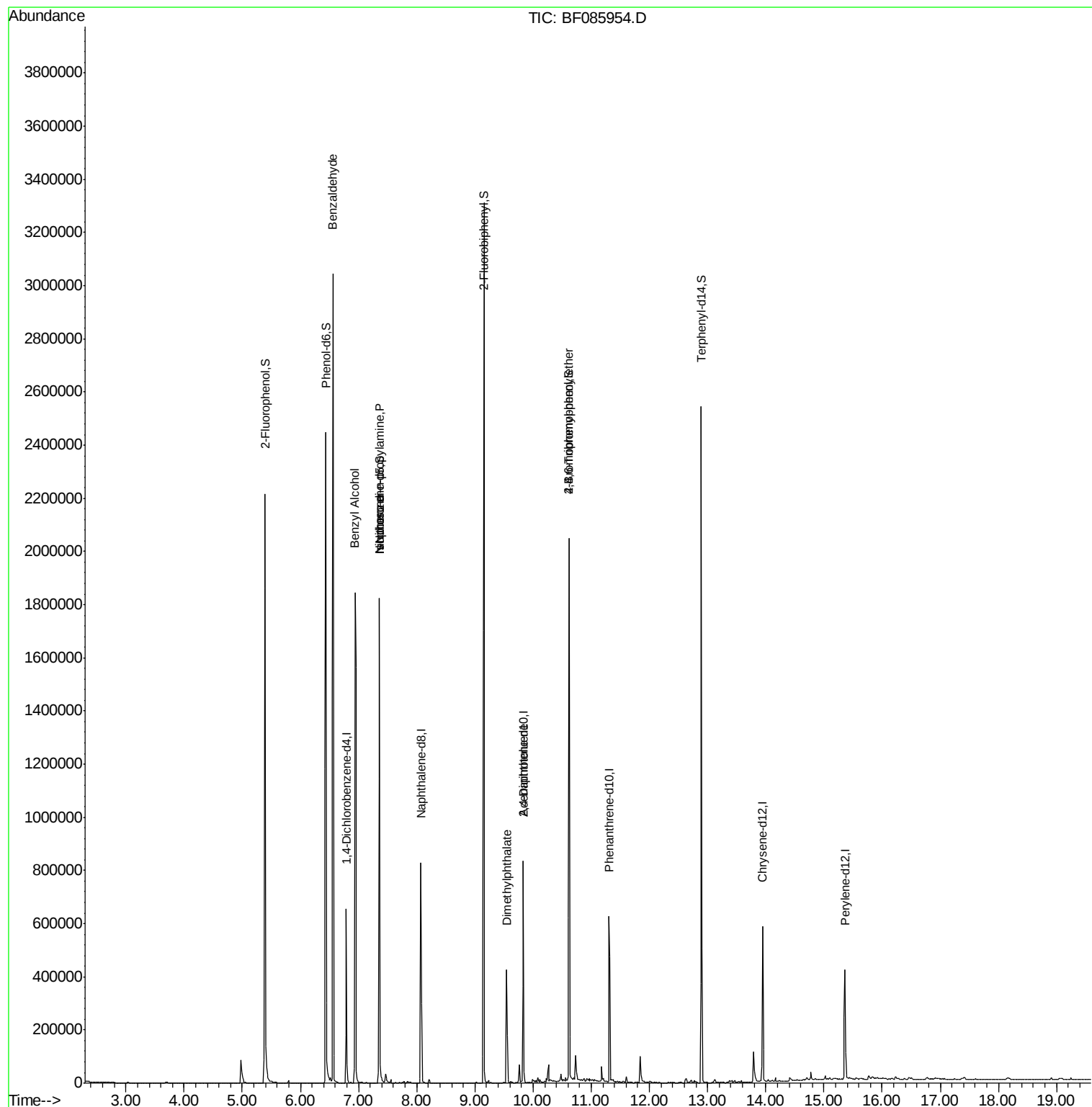
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 106881   | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8             | 8.07  | 136  | 412171   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 183187   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.30 | 188  | 307874   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 13.95 | 240  | 194434   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12               | 15.36 | 264  | 191561   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.40  | 112  | 972834   | 151.59 | ng    | 0.00      |
| 7) Phenol-d6                   | 6.44  | 99   | 1085074  | 132.98 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 777620   | 106.24 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.62 | 330  | 245492   | 141.05 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.16  | 172  | 1216001  | 110.91 | ng    | -0.01     |
| 78) Terphenyl-d14              | 12.89 | 244  | 775581   | 82.04  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.56  | 77   | 21451    | 4.36   | ng    | Qvalue 85 |
| 15) Benzyl Alcohol             | 6.94  | 79   | 11087    | 2.04   | ng    | # 51      |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 102459   | 20.97  | ng    | # 74      |
| 25) Isophorone                 | 7.36  | 82   | 768725   | 54.52  | ng    | # 68      |
| 49) Dimethylphthalate          | 9.54  | 163  | 190313   | 13.69  | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165  | 22317    | 5.87   | ng    | # 37      |
| 66) 4-Bromophenyl-phenylether  | 10.62 | 248  | 17096    | 5.43   | ng    | # 1       |

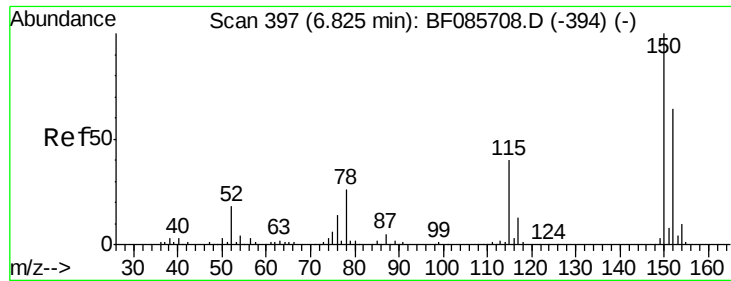
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-33(0.5-15.0COMP)

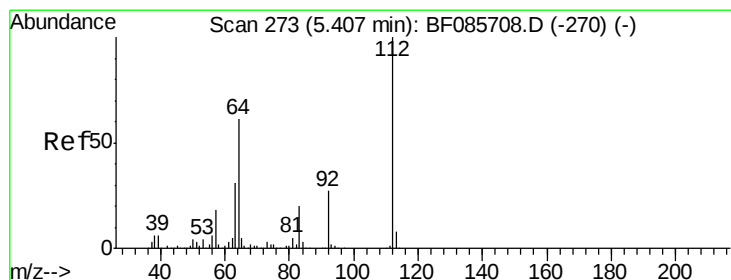
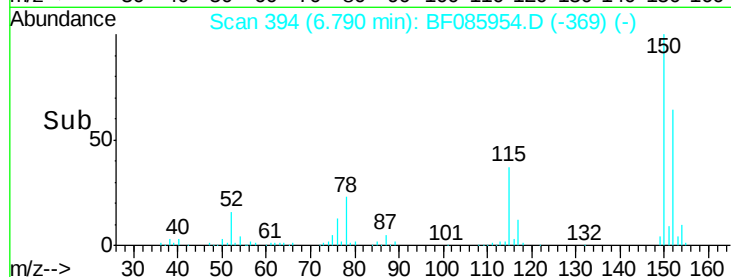
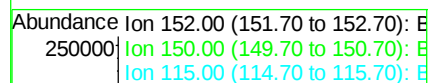
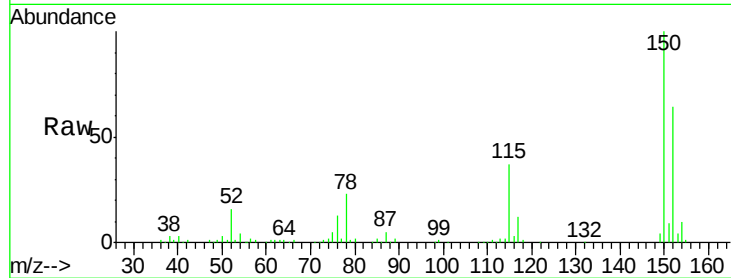
Tgt Ion:152 Resp: 106881

Ion Ratio Lower Upper

152 100

150 155.5 124.2 186.2

115 57.8 47.0 70.6



#5

2-Fluorophenol

Concen: 151.59 ng

RT: 5.40 min Scan# 272

Delta R.T. -0.00 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

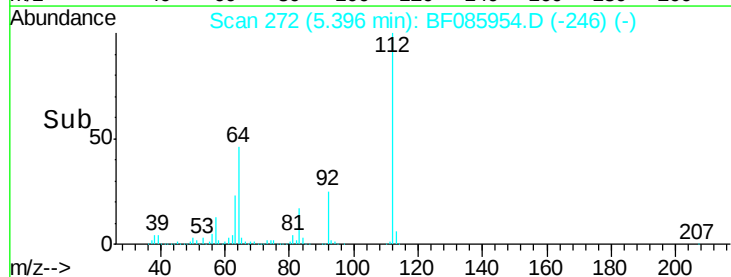
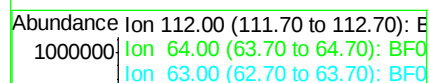
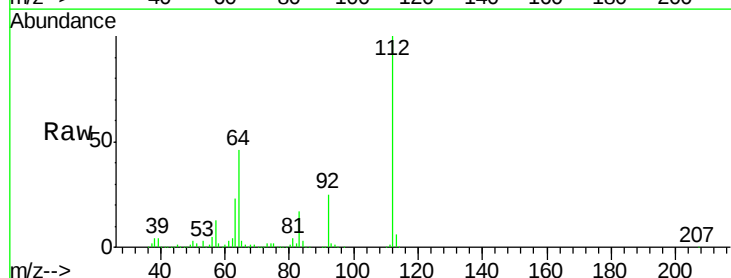
Tgt Ion:112 Resp: 972834

Ion Ratio Lower Upper

112 100

64 46.0 39.9 59.9

63 23.4 20.2 30.2





#7

Phenol-d6

Concen: 132.98 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.01 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-33(0.5-15.0COMP)

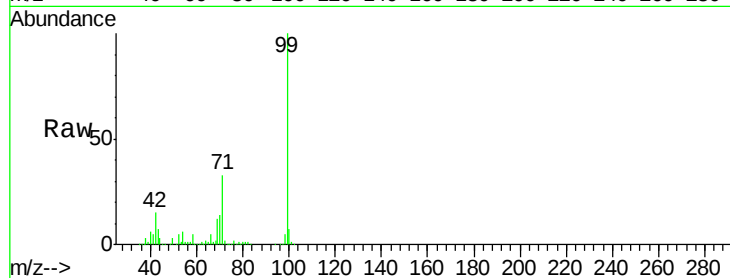
Tgt Ion: 99 Resp: 1085074

Ion Ratio Lower Upper

99 100

42 15.2 11.1 16.7

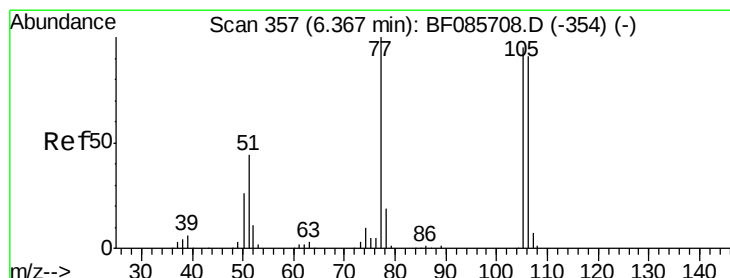
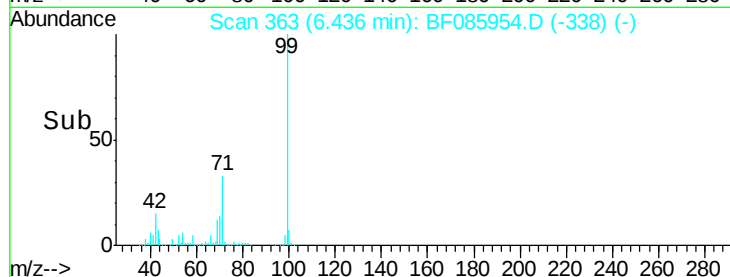
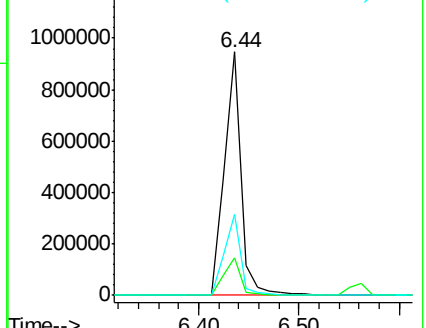
71 33.2 24.9 37.3



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



#9

Benzaldehyde

Concen: 4.36 ng

RT: 6.56 min Scan# 374

Delta R.T. 0.22 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

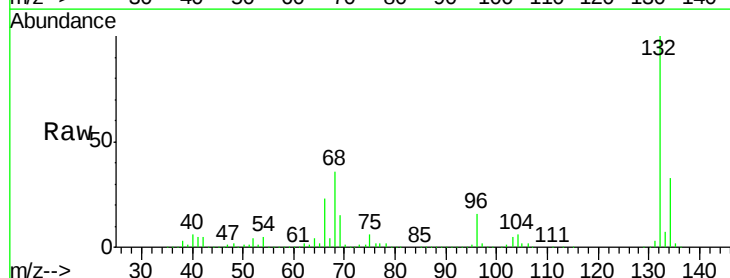
Tgt Ion: 77 Resp: 21451

Ion Ratio Lower Upper

77 100

105 82.7 80.1 120.1

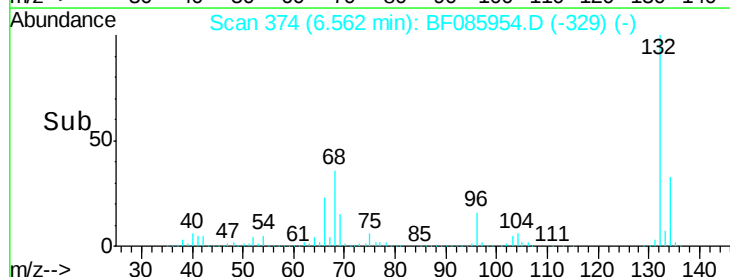
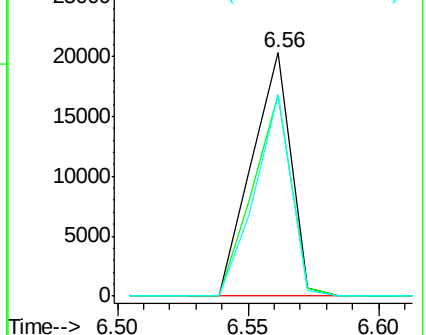
106 82.7 75.0 115.0

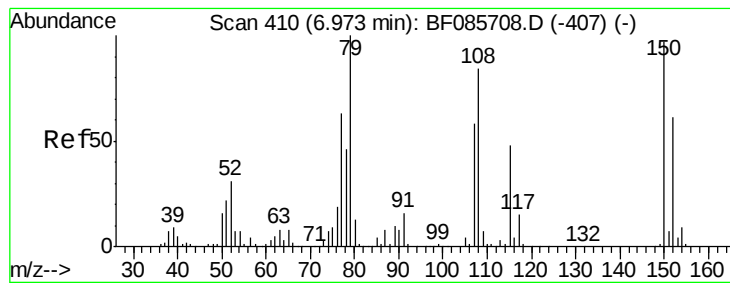


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

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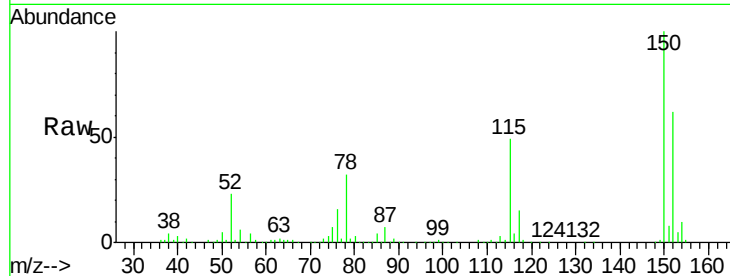
Tgt Ion: 79 Resp: 11087

Ion Ratio Lower Upper

79 100

108 30.3 61.8 92.6#

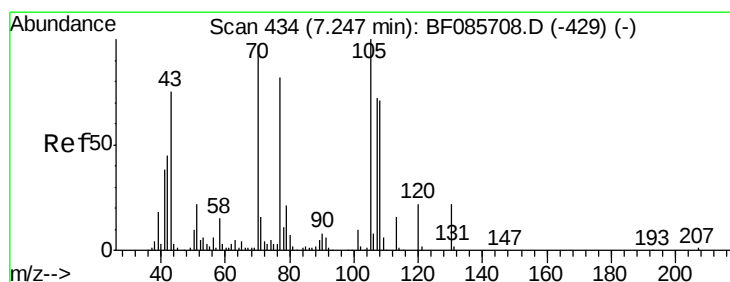
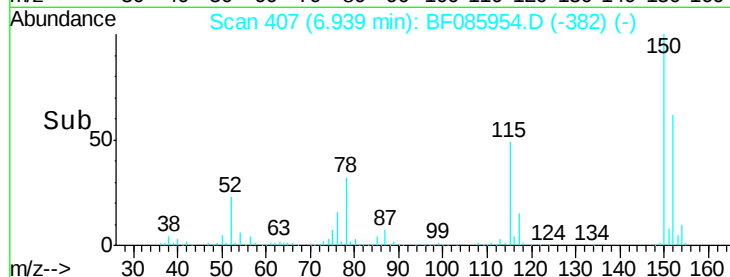
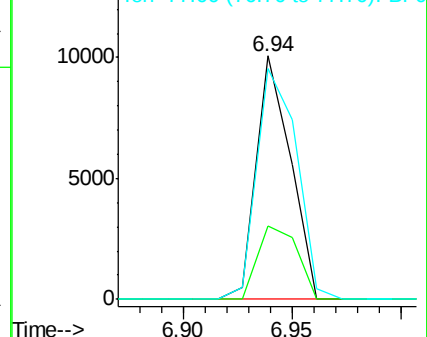
77 94.8 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.97 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

Tgt Ion: 70 Resp: 102459

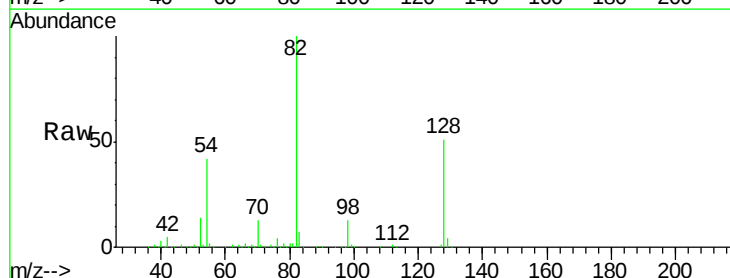
Ion Ratio Lower Upper

70 100

42 36.3 37.1 55.7#

101 0.0 8.6 12.8#

130 2.6 19.6 29.4#

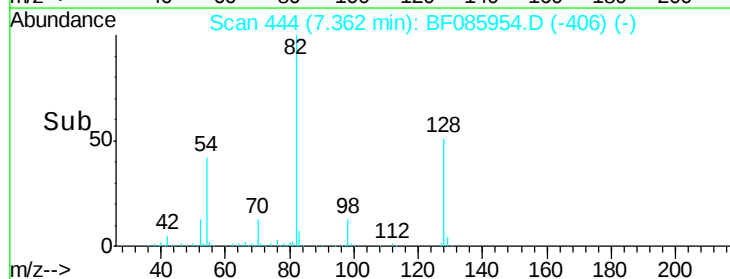
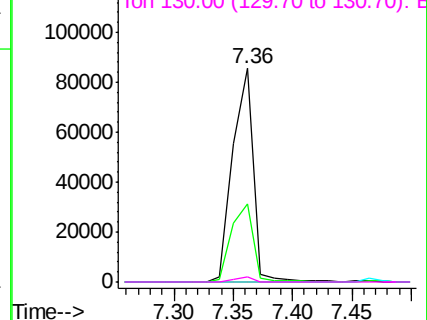


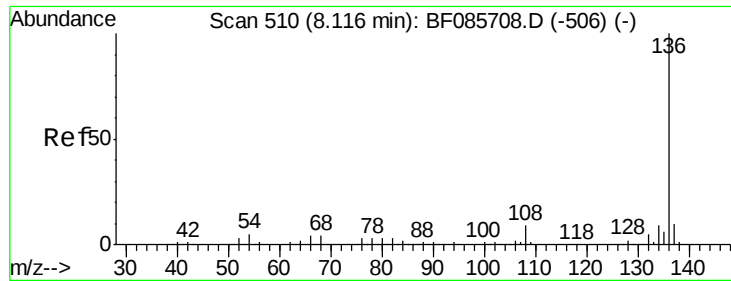
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

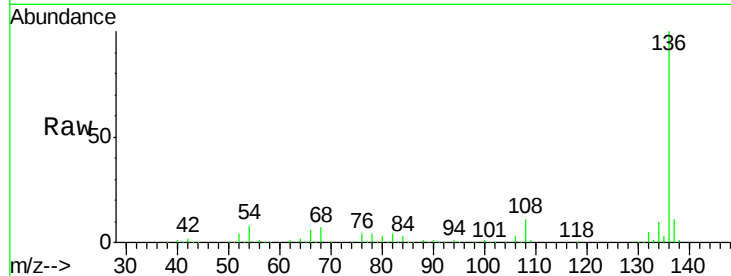




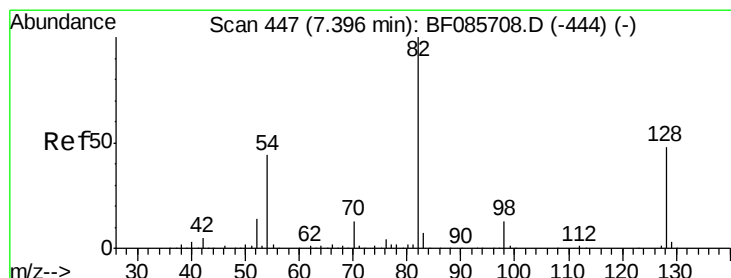
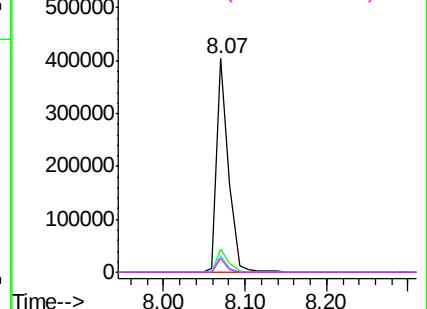
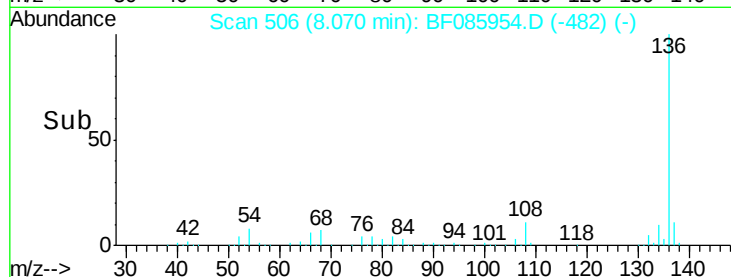
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.07 min Scan# 506  
Delta R.T. -0.02 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

Instrument :  
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AMBOY-SB-33(0.5-15.0COMP)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 412171 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.1   | 13.7   |
| 54       | 8.0   | 7.4   | 11.0   |
| 68       | 6.7   | 5.8   | 8.8    |

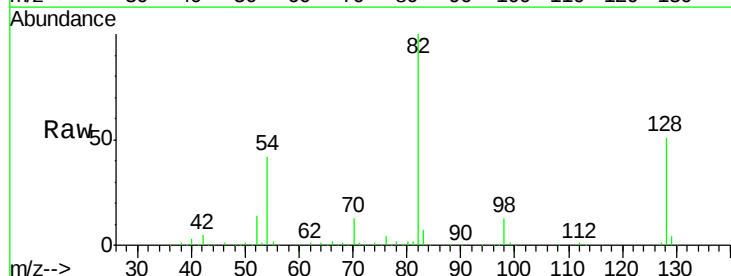


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF0  
Ion 68.00 (67.70 to 68.70): BF0

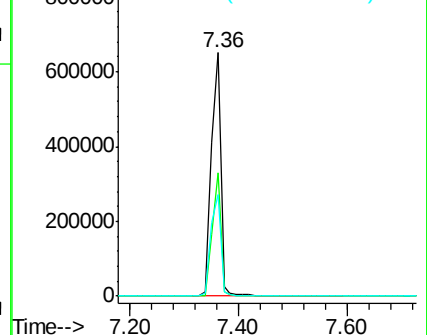
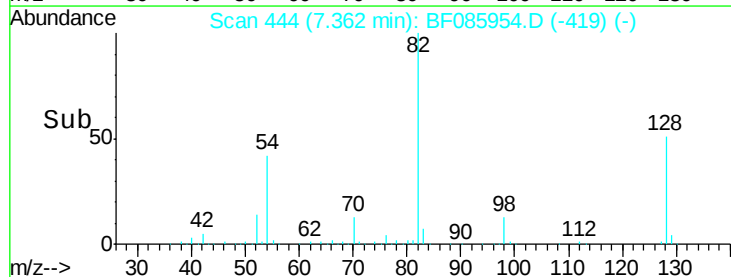


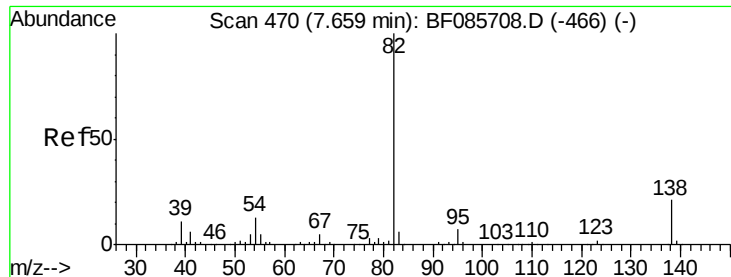
#23  
Nitrobenzene-d5  
Concen: 106.24 ng  
RT: 7.36 min Scan# 444  
Delta R.T. -0.01 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 777620 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 50.6  | 41.8  | 62.8   |
| 54       | 41.9  | 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: 54.52 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

Instrument :

BNA\_F

ClientSampleId :

AMBOY-SB-33(0.5-15.0COMP)

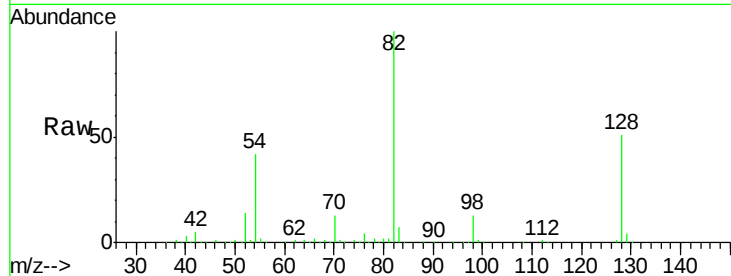
Tgt Ion: 82 Resp: 768725

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

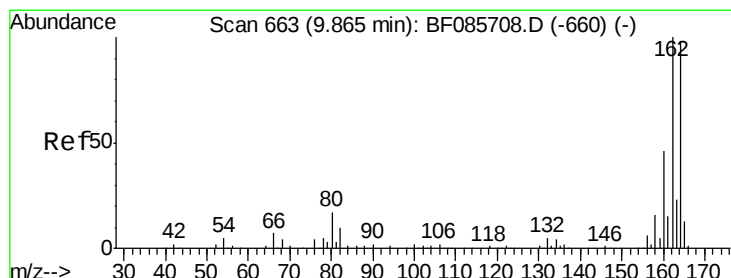
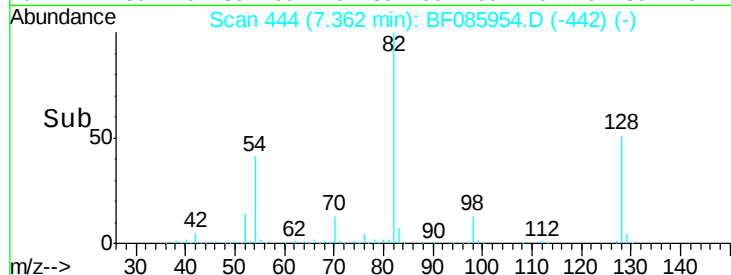
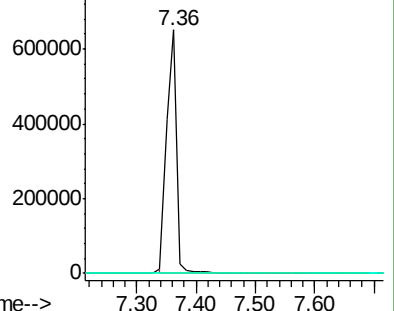
138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085954.D

Acq: 1 Apr 2016 4:02

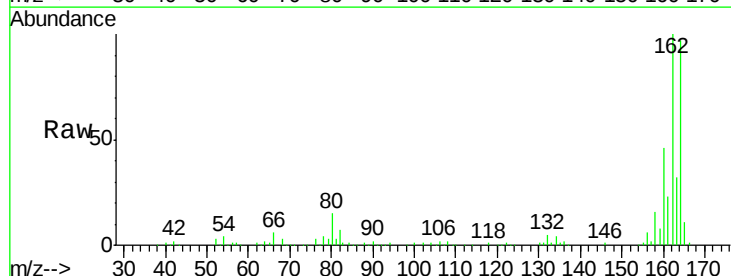
Tgt Ion: 164 Resp: 183187

Ion Ratio Lower Upper

164 100

162 103.4 82.1 123.1

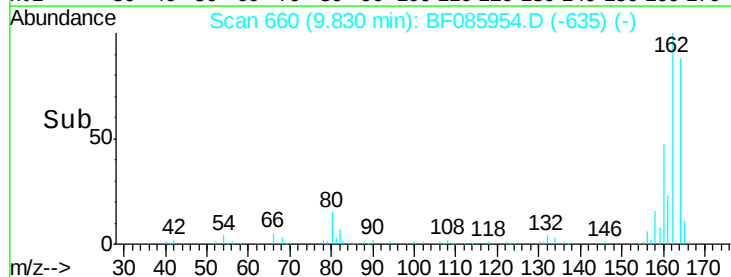
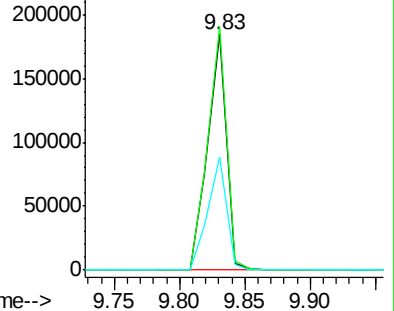
160 48.1 37.4 56.2

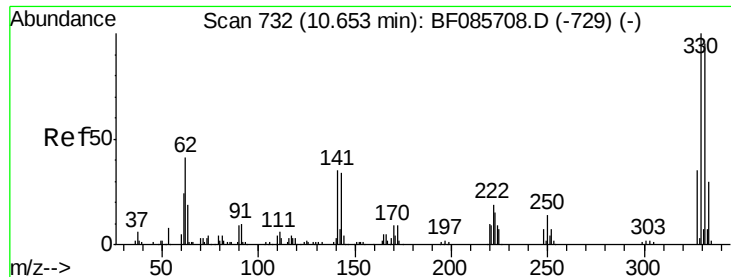


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

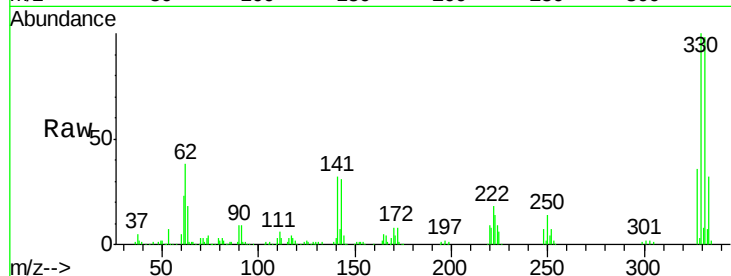




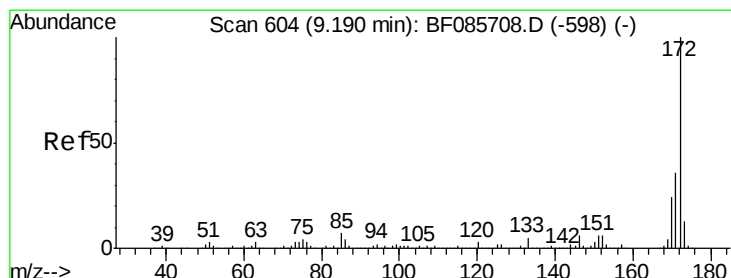
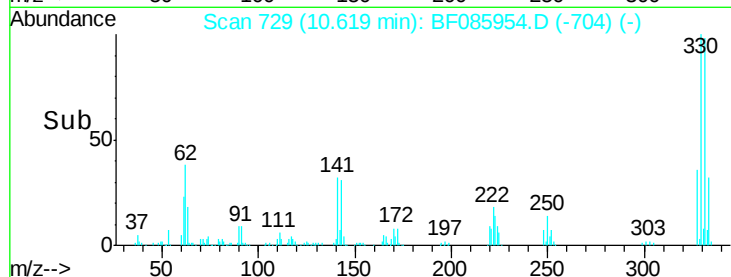
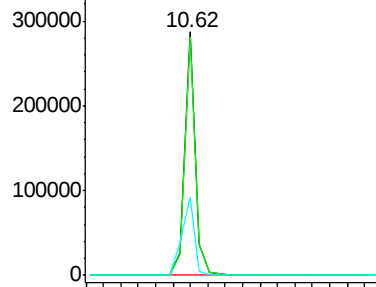
#41  
 2,4,6-Tribromophenol  
 Concen: 141.05 ng  
 RT: 10.62 min Scan# 729  
 Delta R.T. -0.01 min  
 Lab File: BF085954.D  
 Acq: 1 Apr 2016 4:02

Instrument :  
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Tgt Ion:330 Resp: 245492  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 78.2 117.2  
 141 38.5 31.5 47.3

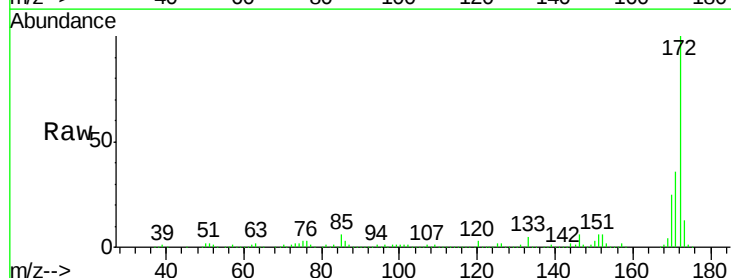


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

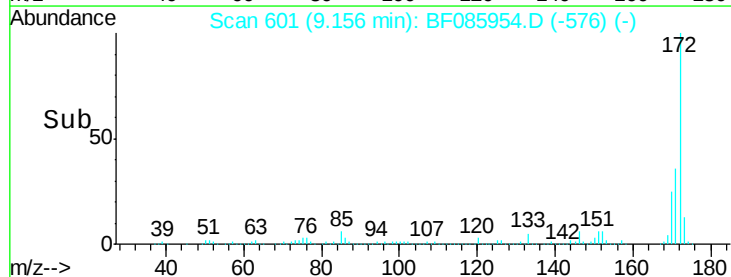
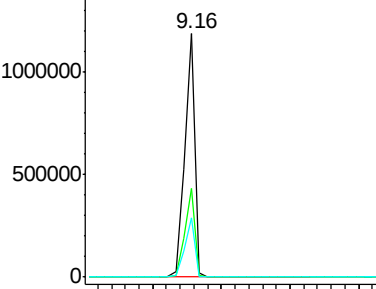


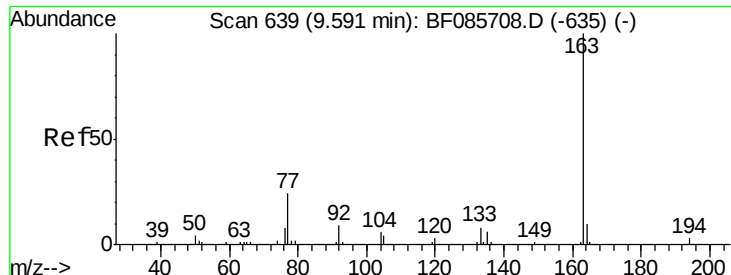
#44  
 2-Fluorobiphenyl  
 Concen: 110.91 ng  
 RT: 9.16 min Scan# 601  
 Delta R.T. -0.01 min  
 Lab File: BF085954.D  
 Acq: 1 Apr 2016 4:02

Tgt Ion:172 Resp: 1216001  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.2  
 170 24.6 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

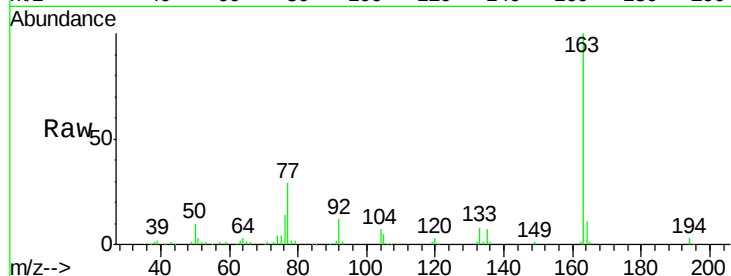




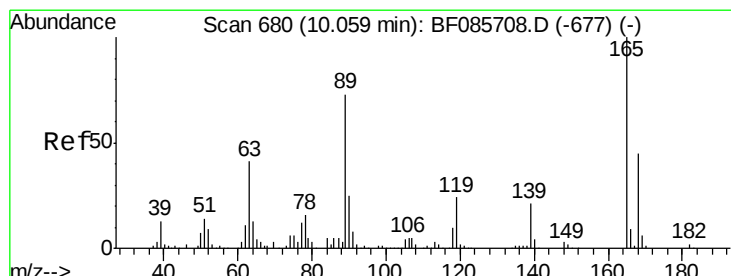
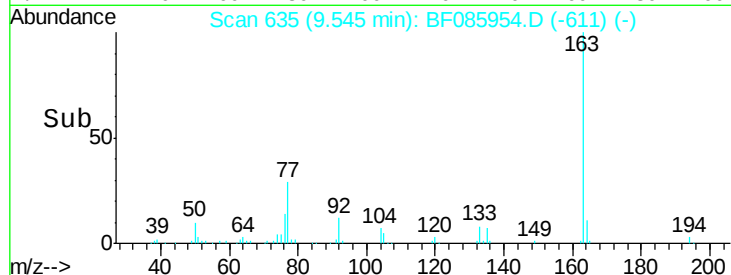
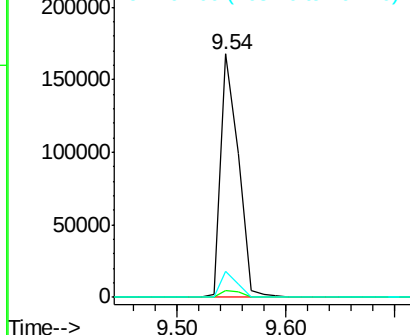
#49  
Dimethylphthalate  
Concen: 13.69 ng  
RT: 9.54 min Scan# 635  
Delta R.T. -0.02 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-33(0.5-15.0COMP)

Tgt Ion:163 Resp: 190313  
Ion Ratio Lower Upper  
163 100  
194 2.9 2.9 4.3  
164 10.6 8.3 12.5

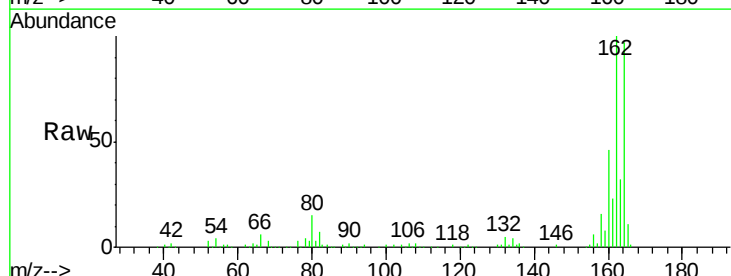


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

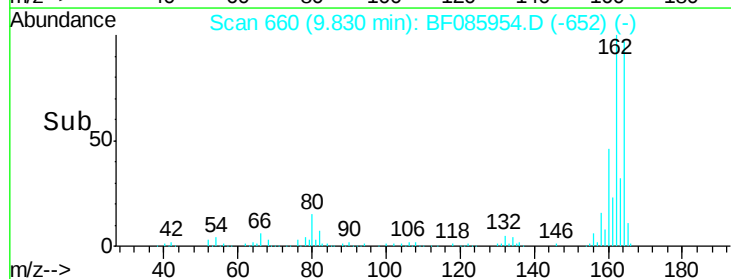
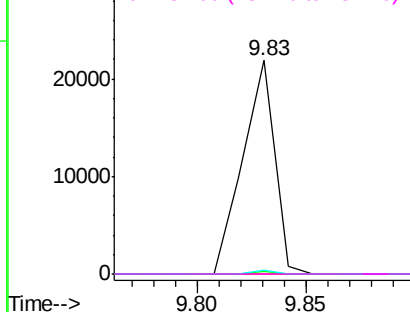


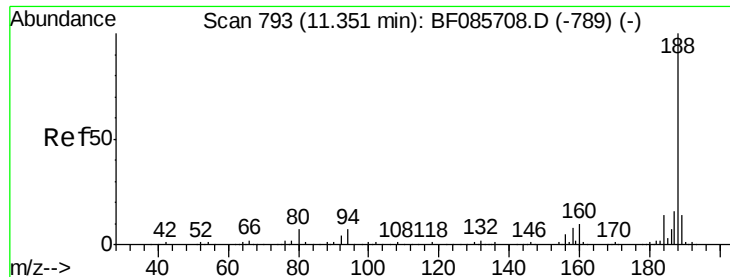
#56  
2,4-Dinitrotoluene  
Concen: 5.87 ng  
RT: 9.83 min Scan# 660  
Delta R.T. -0.21 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

Tgt Ion:165 Resp: 22317  
Ion Ratio Lower Upper  
165 100  
63 1.4 24.9 37.3#  
89 2.0 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

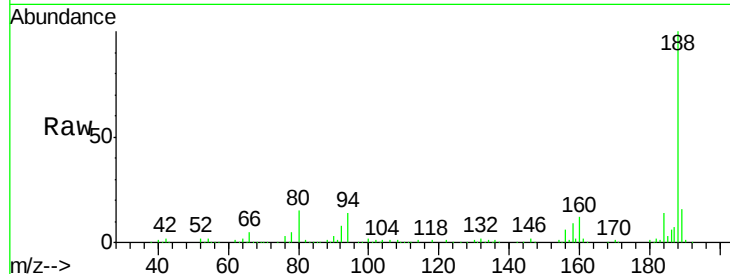




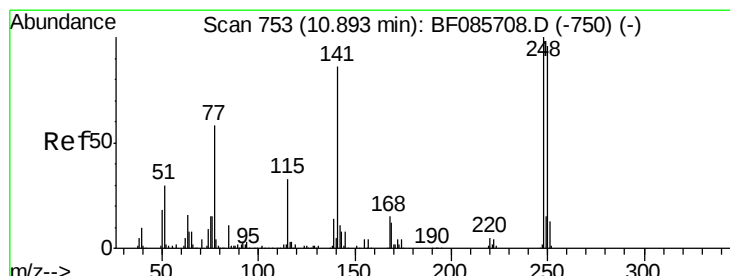
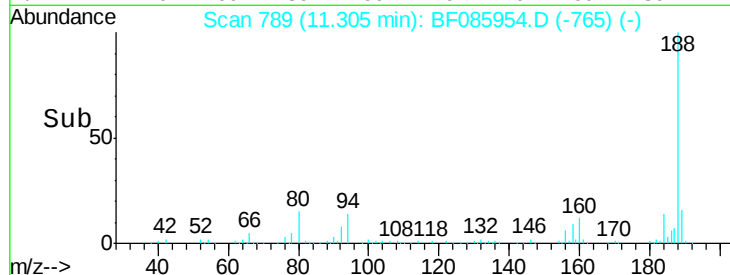
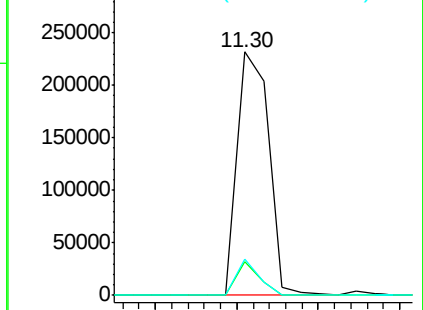
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 789  
 Delta R.T. -0.02 min  
 Lab File: BF085954.D  
 Acq: 1 Apr 2016 4:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AMBOY-SB-33(0.5-15.0COMP)

Tgt Ion:188 Resp: 307874  
 Ion Ratio Lower Upper  
 188 100  
 94 13.9 5.4 8.0#  
 80 15.0 5.5 8.3#

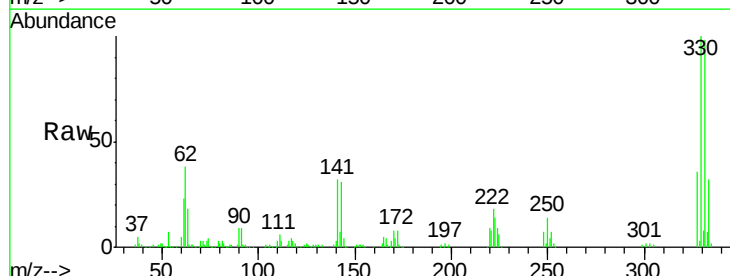


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

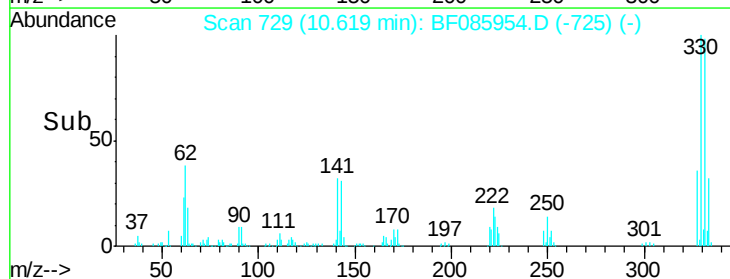
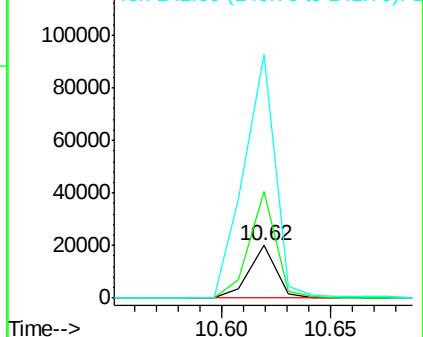


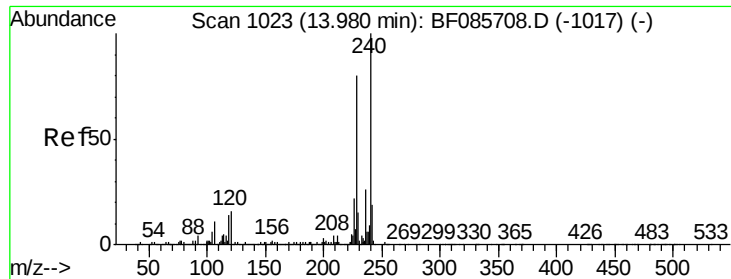
#66  
 4-Bromophenyl-phenylether  
 Concen: 5.43 ng  
 RT: 10.62 min Scan# 729  
 Delta R.T. -0.25 min  
 Lab File: BF085954.D  
 Acq: 1 Apr 2016 4:02

Tgt Ion:248 Resp: 17096  
 Ion Ratio Lower Upper  
 248 100  
 250 201.8 77.4 116.0#  
 141 460.6 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

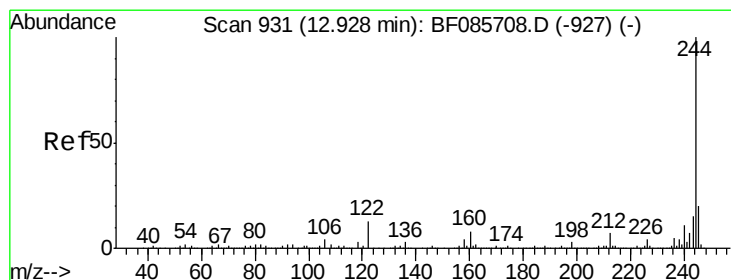
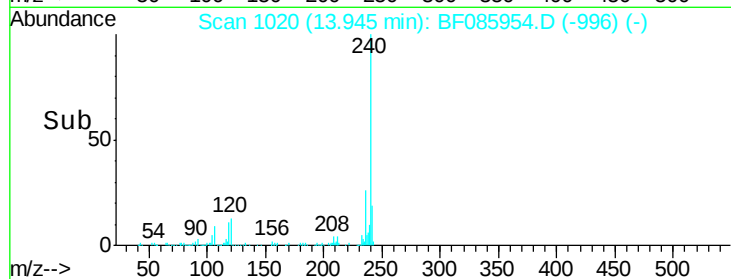
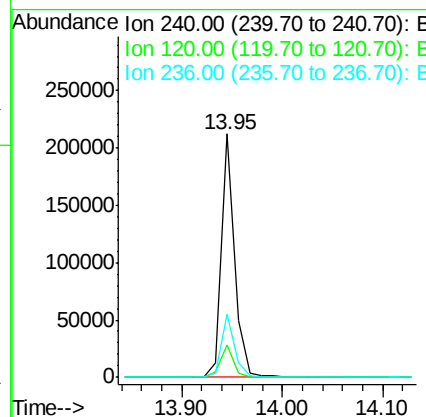
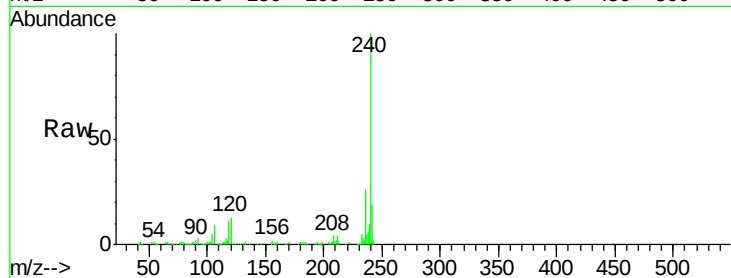




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.95 min Scan# 1020  
Delta R.T. -0.02 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

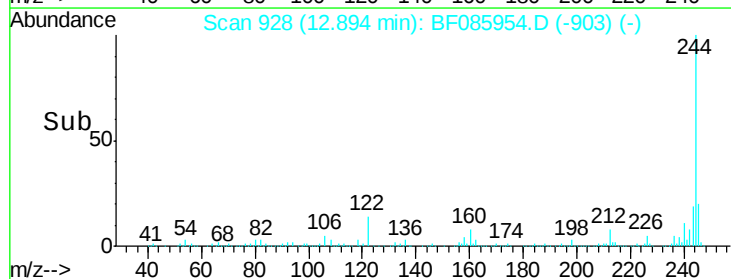
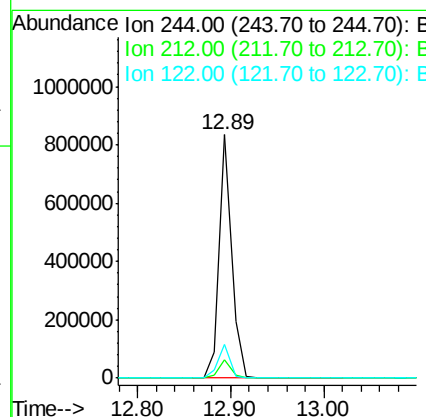
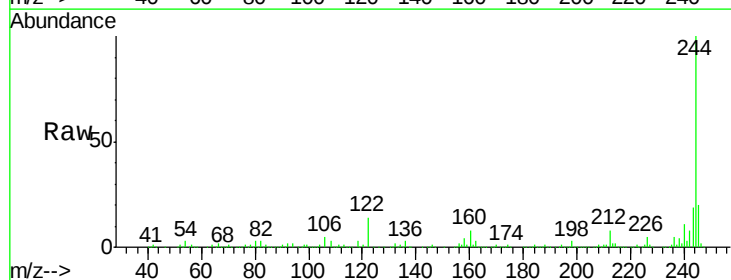
Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-33(0.5-15.0COMP)

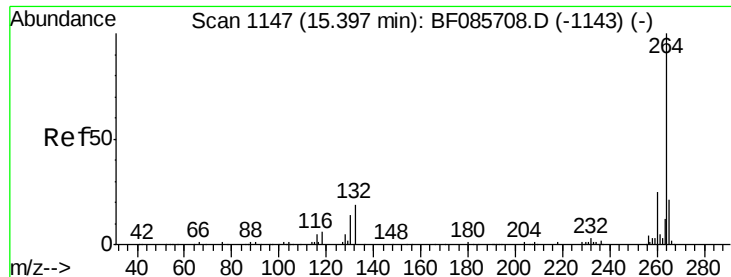
Tgt Ion:240 Resp: 194434  
Ion Ratio Lower Upper  
240 100  
120 13.4 13.8 20.8#  
236 26.2 20.6 30.8



#78  
Terphenyl-d14  
Concen: 82.04 ng  
RT: 12.89 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

Tgt Ion:244 Resp: 775581  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.1 9.1  
122 14.0 10.2 15.4

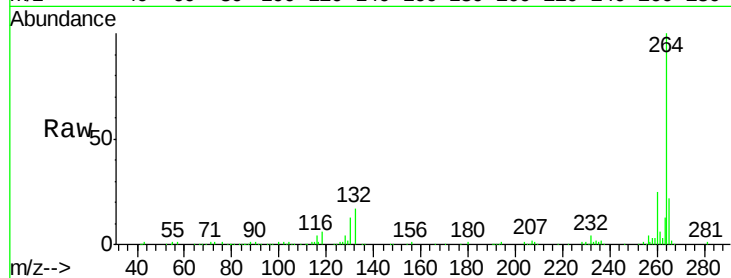




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.36 min Scan# 1144  
Delta R.T. -0.01 min  
Lab File: BF085954.D  
Acq: 1 Apr 2016 4:02

Instrument :  
BNA\_F  
ClientSampleId :  
AMBOY-SB-33(0.5-15.0COMP)

Tgt Ion: 264 Resp: 191561  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.4 29.2  
265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

