Electronic Supplementary Material (ESI) for ChemComm. This journal is © The Royal Society of Chemistry 2019

# Regioselective differentiation of vicinal methylene C-H bonds enabled by silver-catalysed nitrene transfer

Ryan J. Scamp, Bradley Scheffer, and Jennifer M. Schomaker, \*

<sup>a</sup>Department of Chemistry, Yale University, 275 Prospect St.

New Haven, CT, 06511

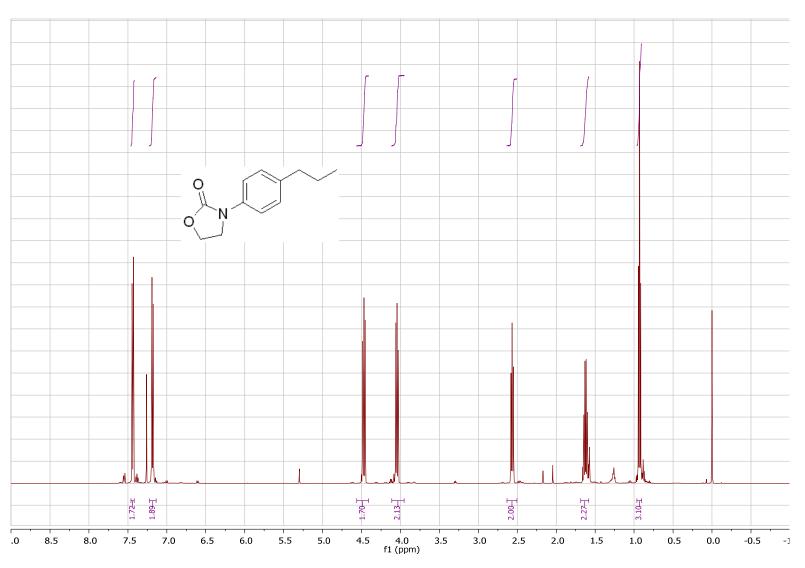
<sup>b</sup>Department of Chemistry, University of Wisconsin, 1101 University Avenue

Madison, Wisconsin, 53706-1396

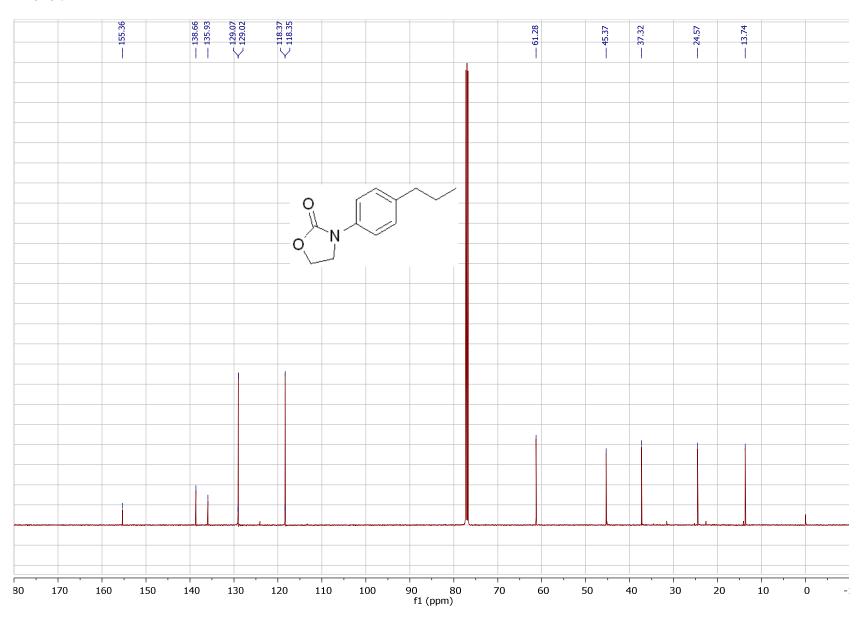
Table of Contents	.S2-1
I. NMR Data of New Compounds and Reaction Products	.S2-2

# I. NMR Data of New Compounds and Reaction Products

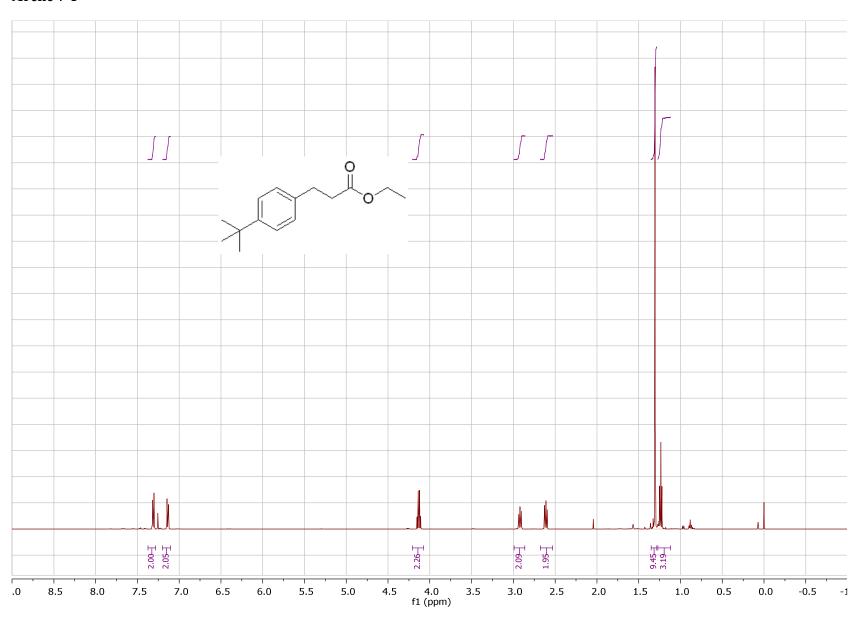
## Arene 5-P



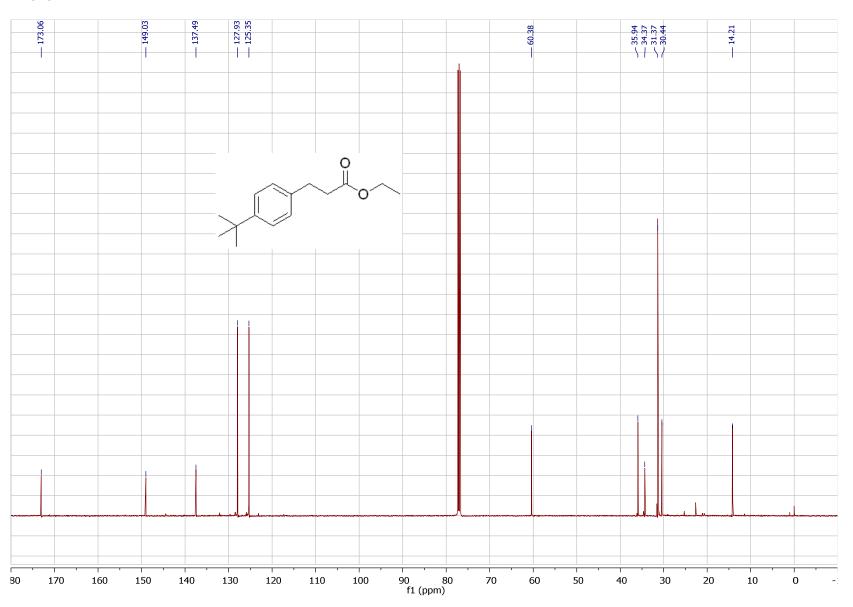
Arene 5-P



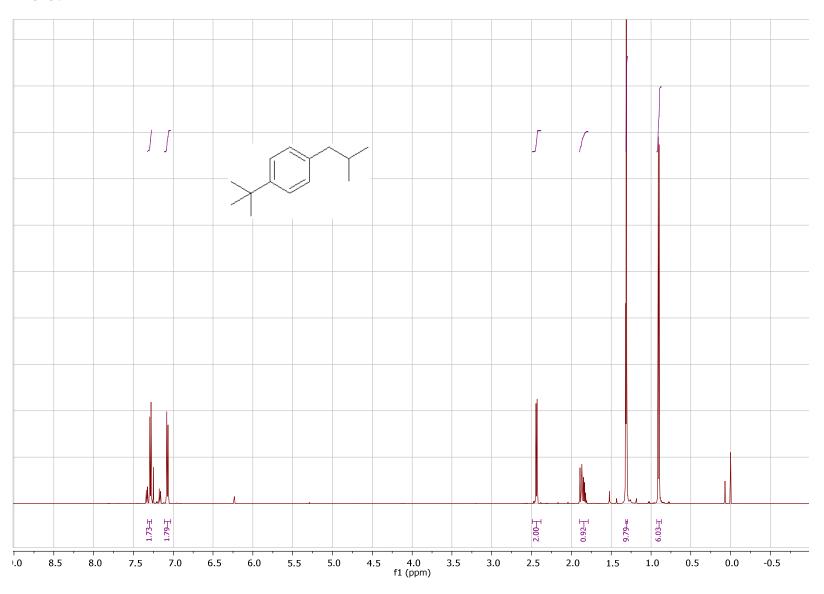
## Arene 7-P



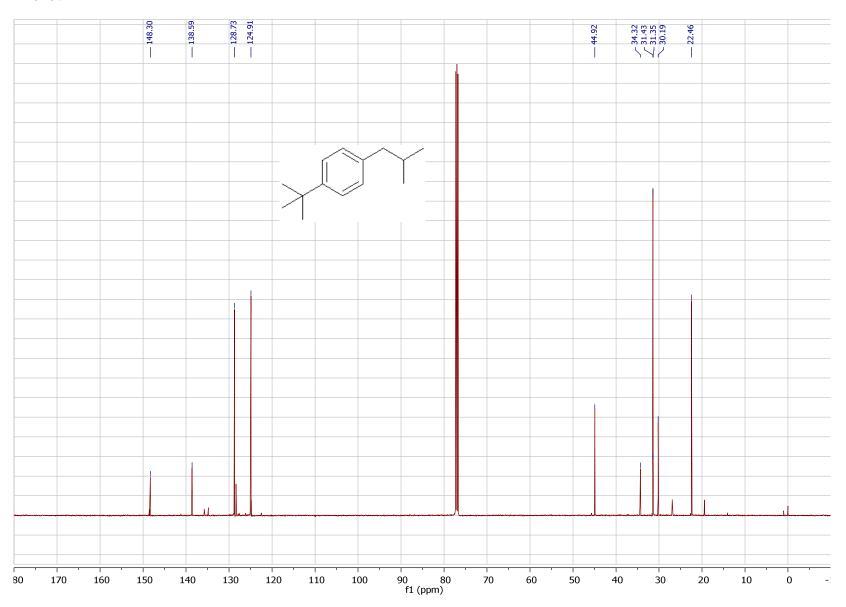
Arene 7-P



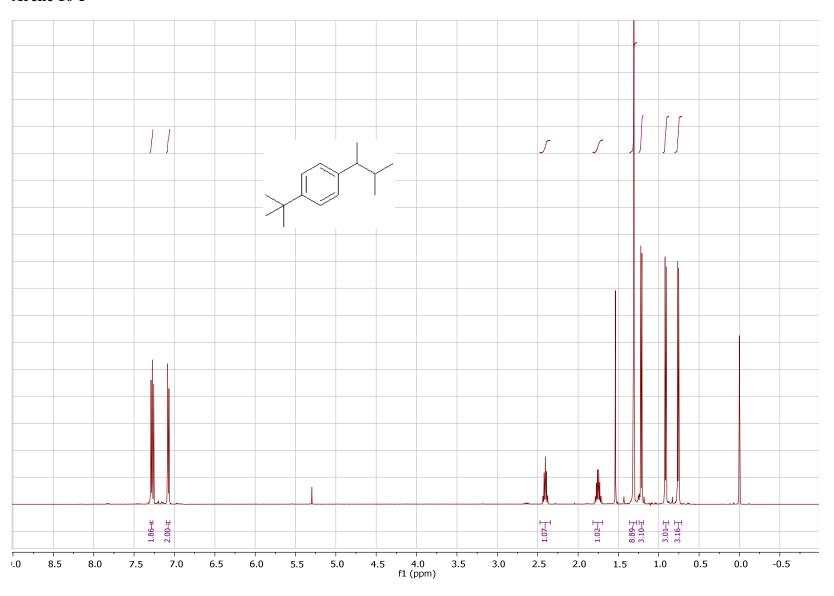
Arene 9-P



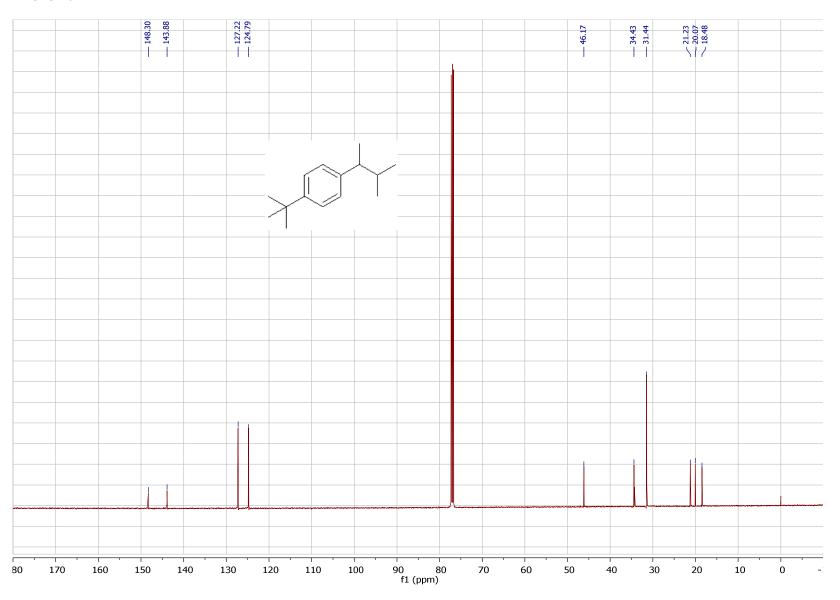
Arene 9-P



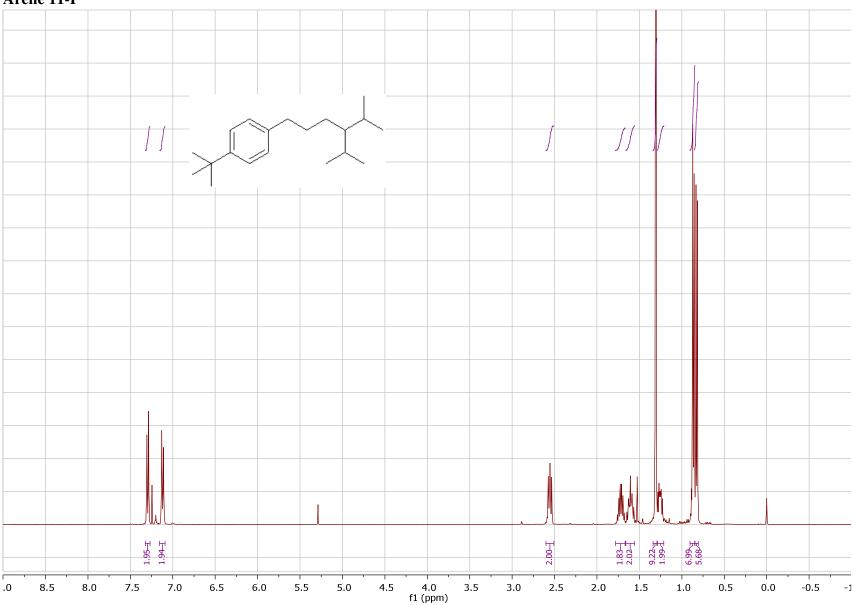
## Arene 10-P



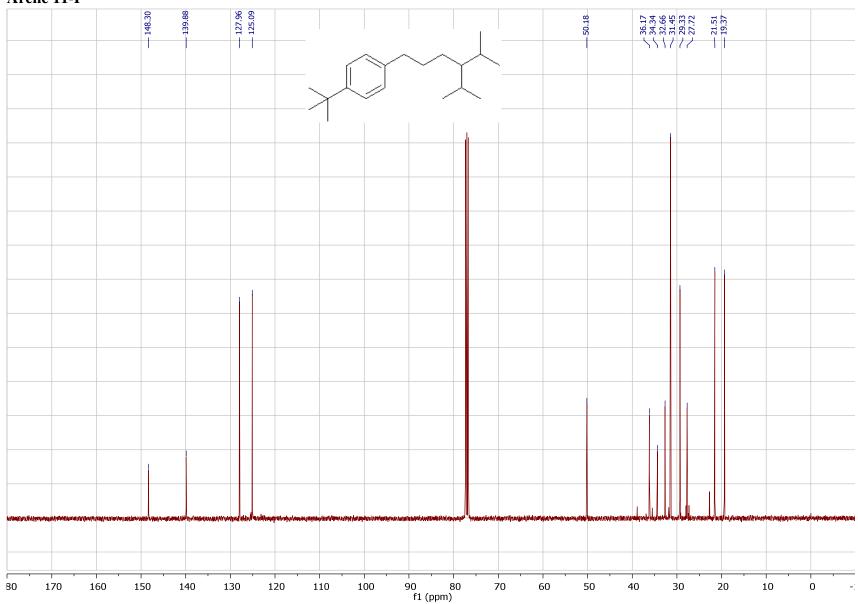
## Arene 10-P



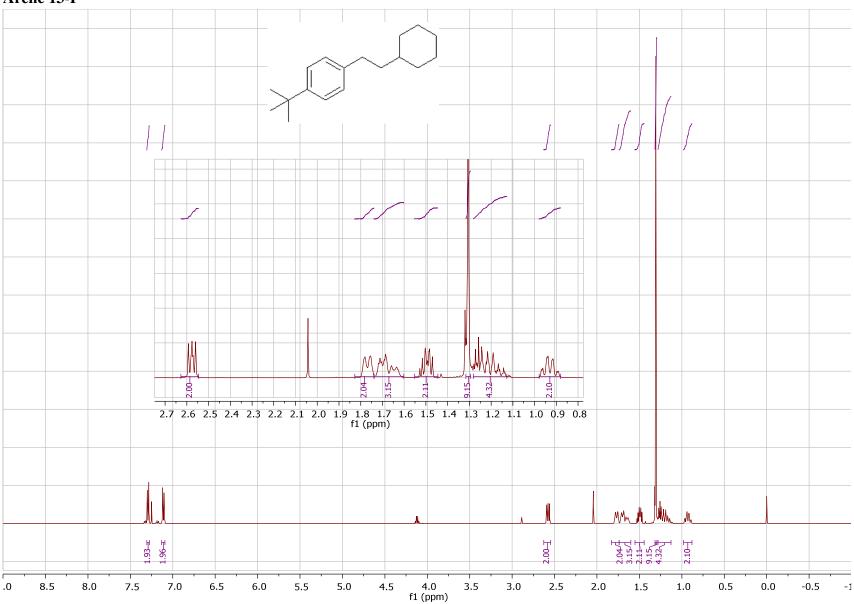




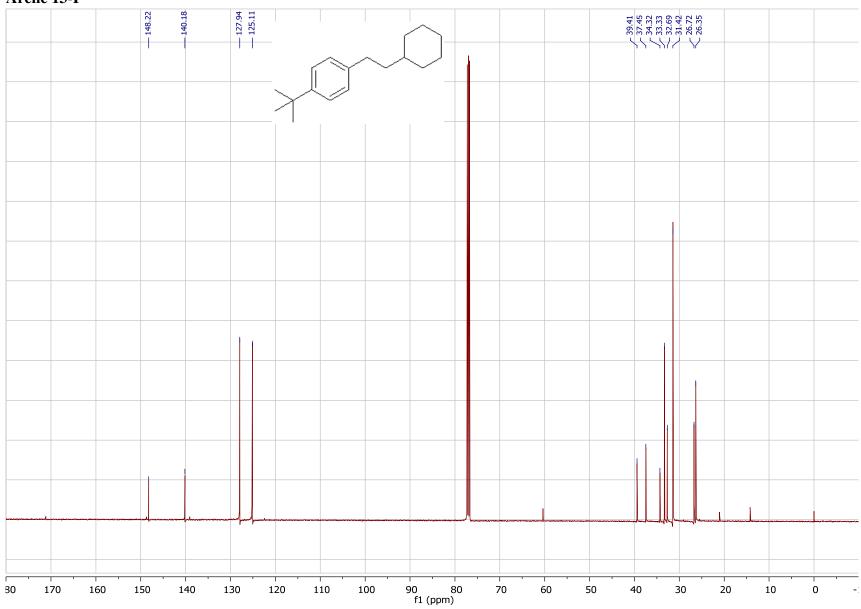




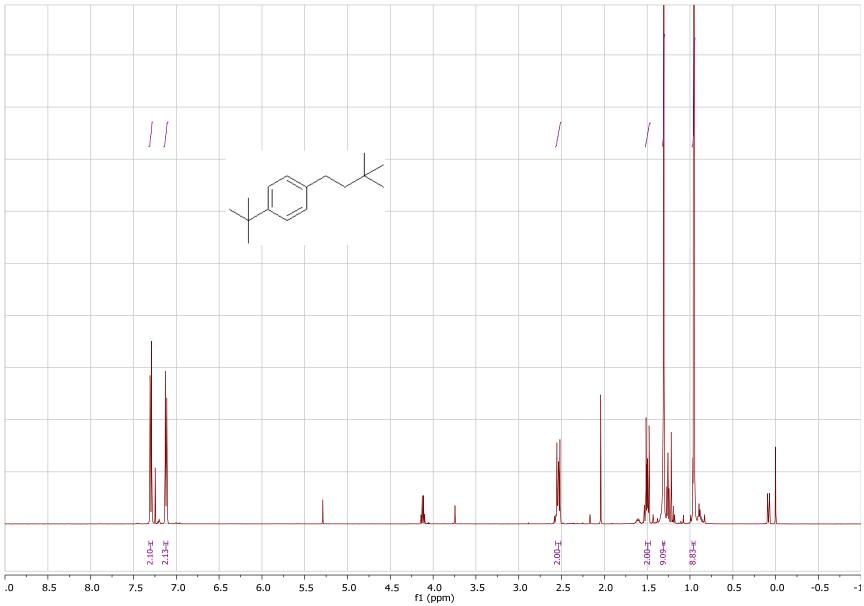




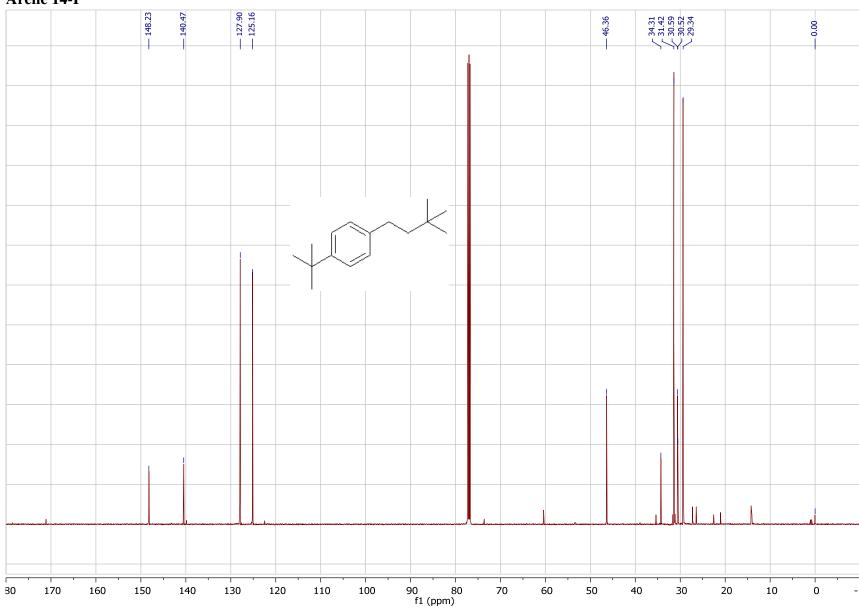
Arene 13-P



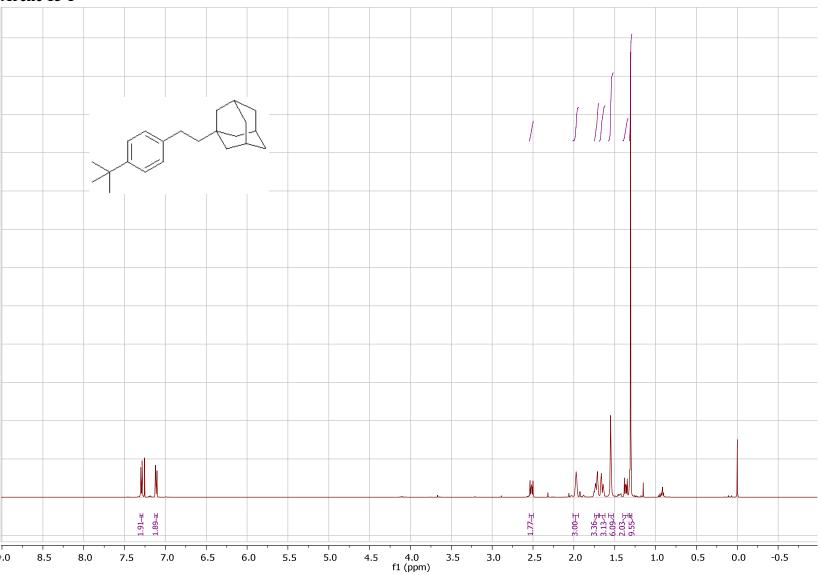




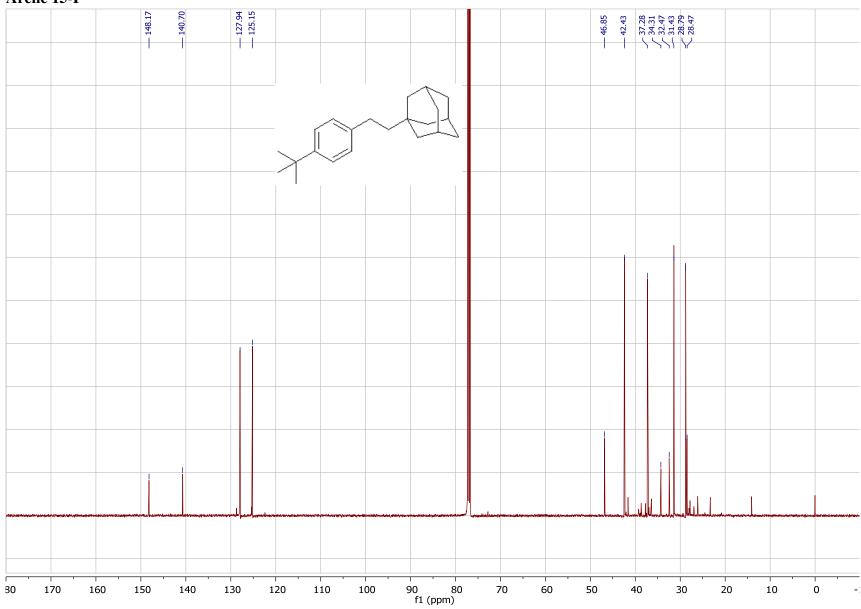




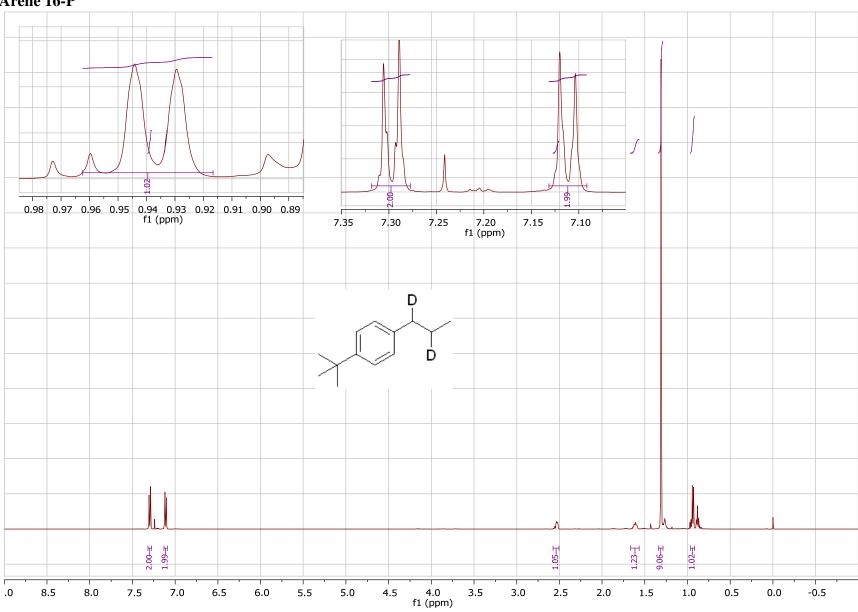




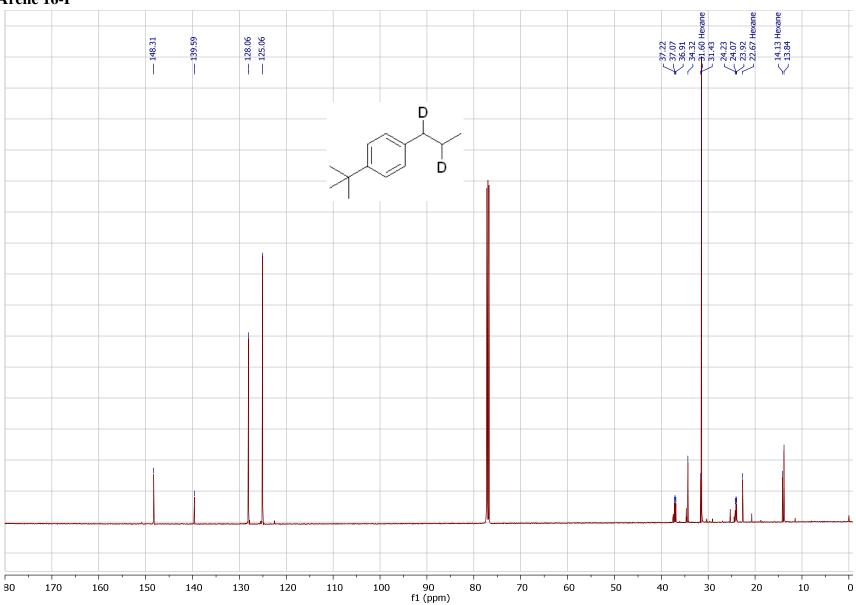




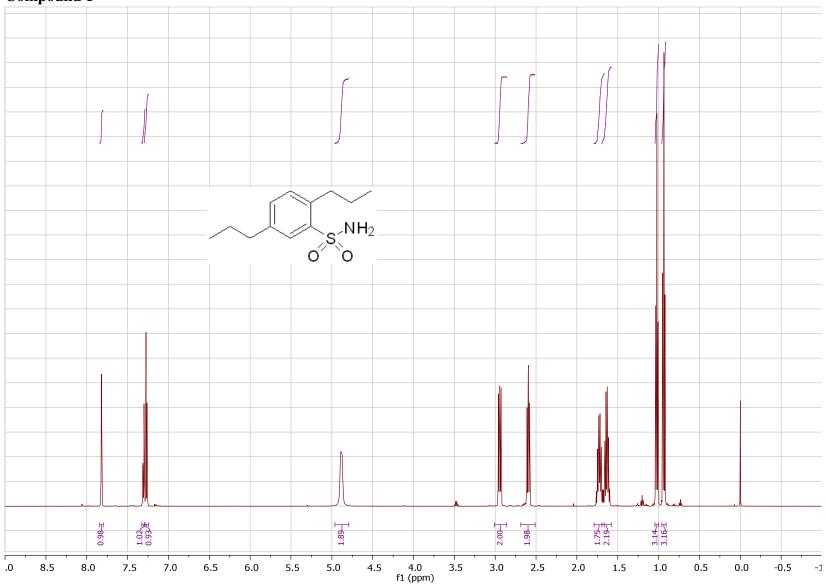
### Arene 16-P



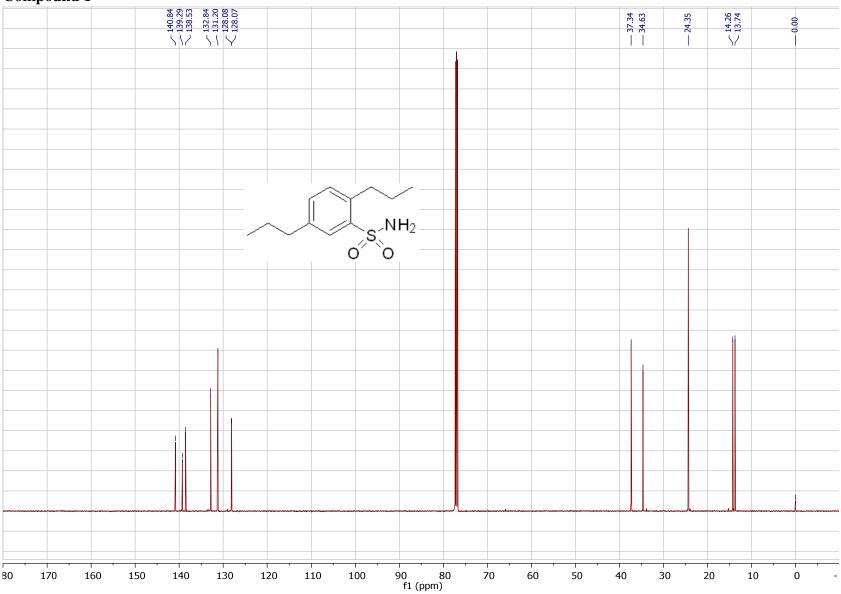
## Arene 16-P



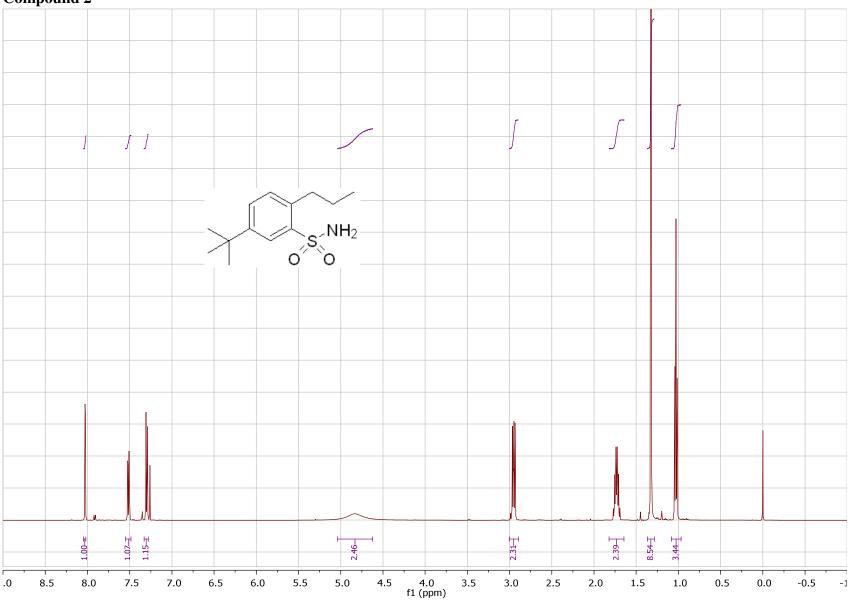




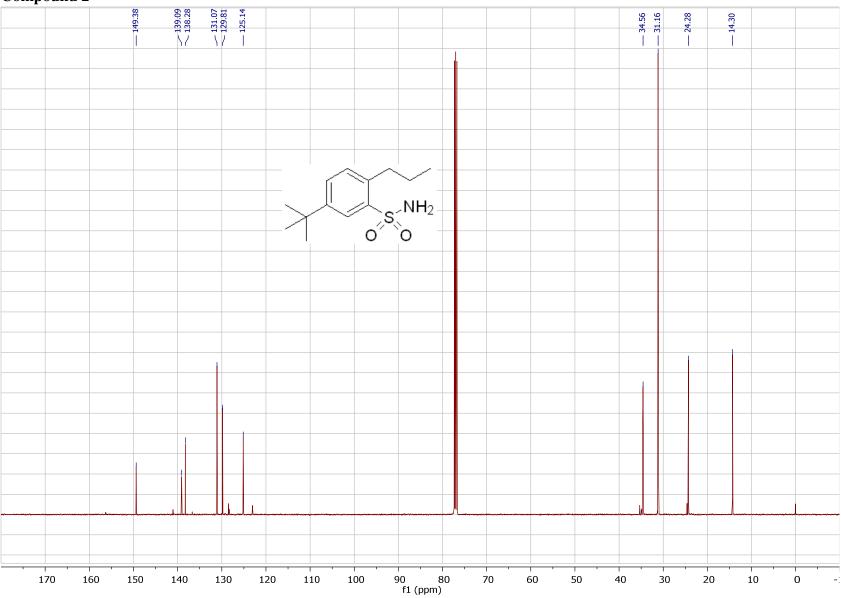




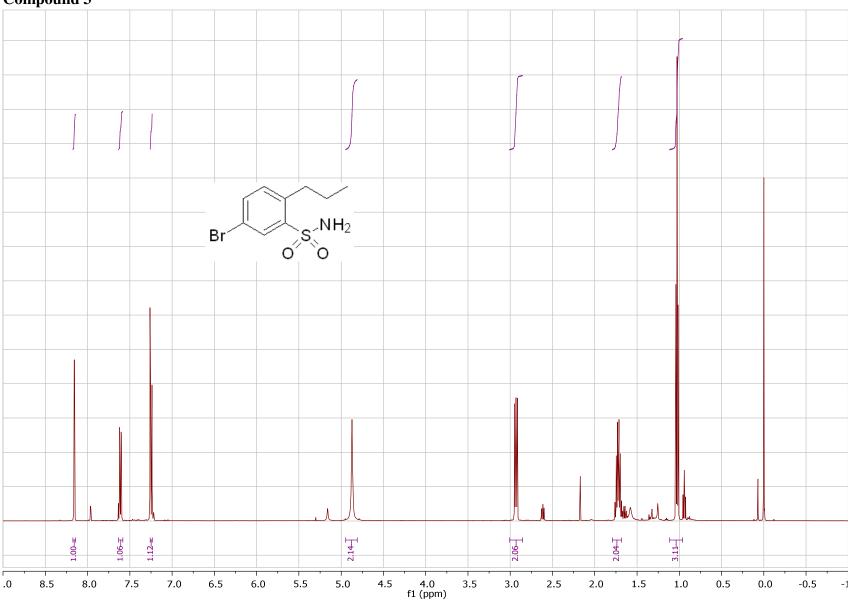




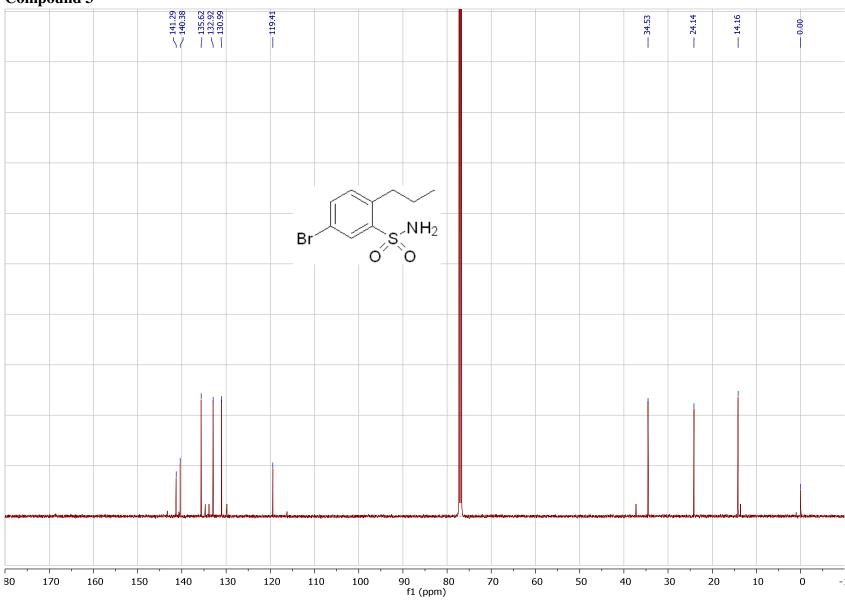




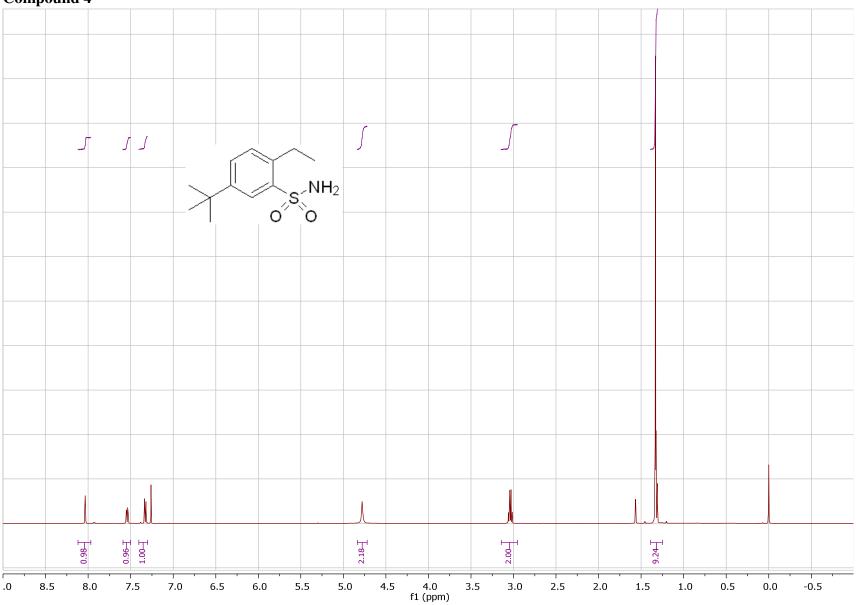




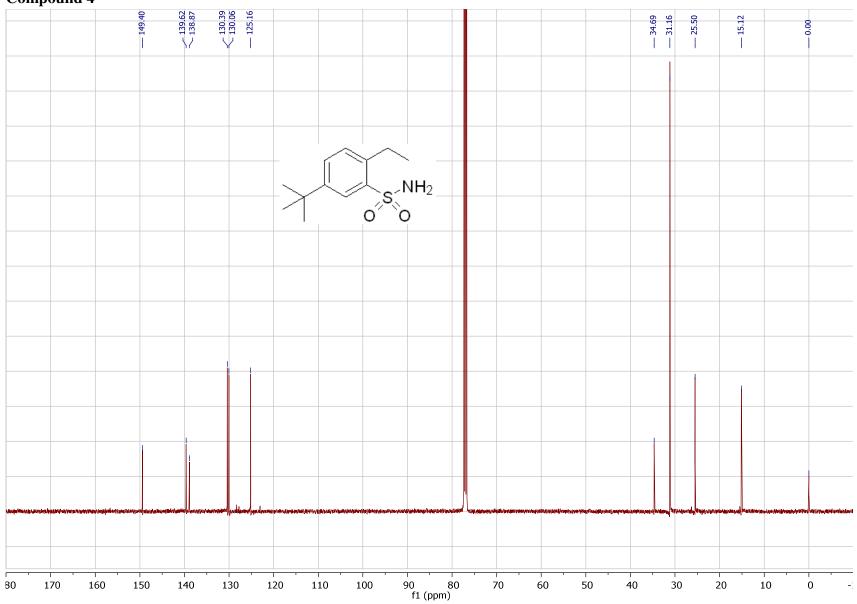




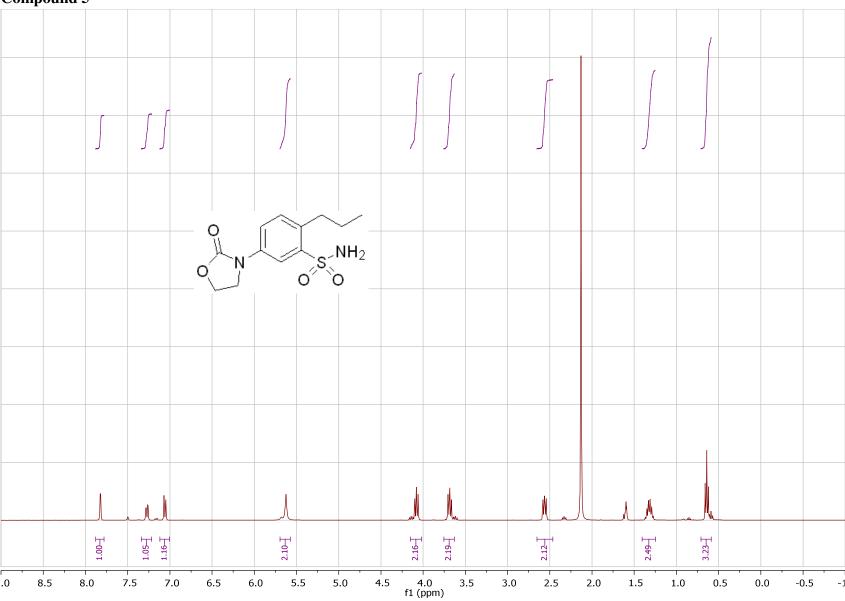




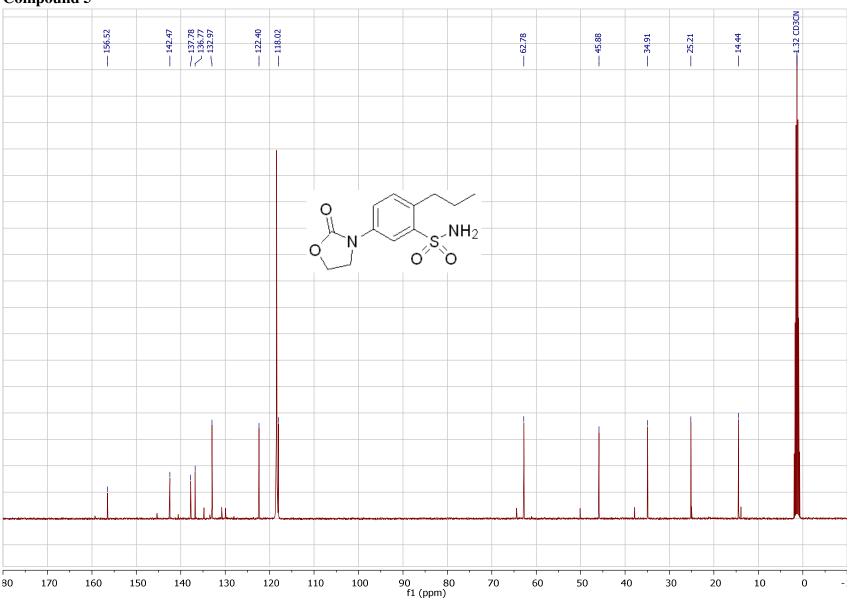




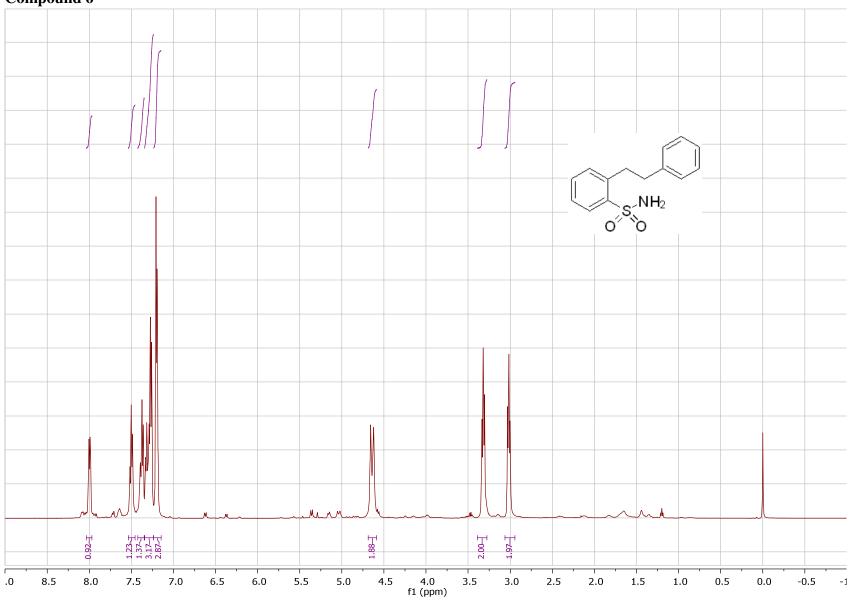




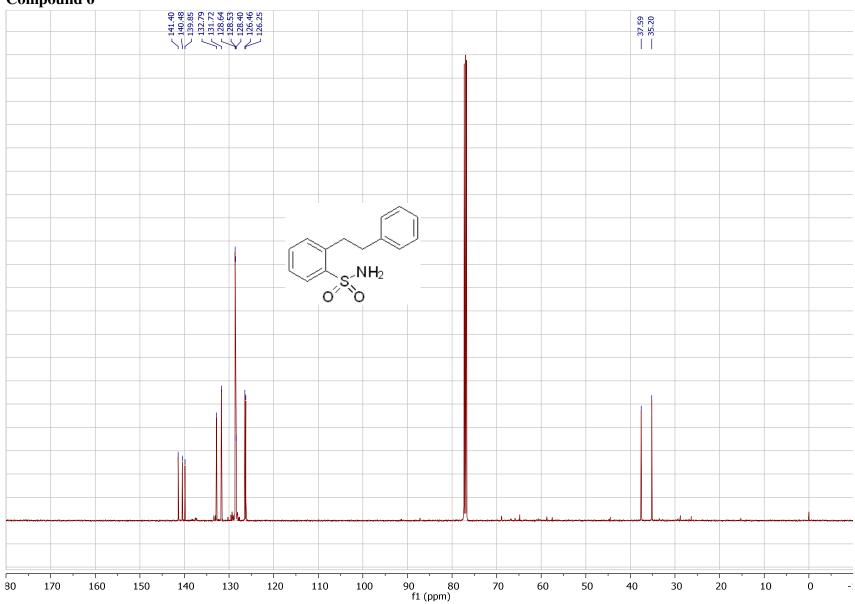




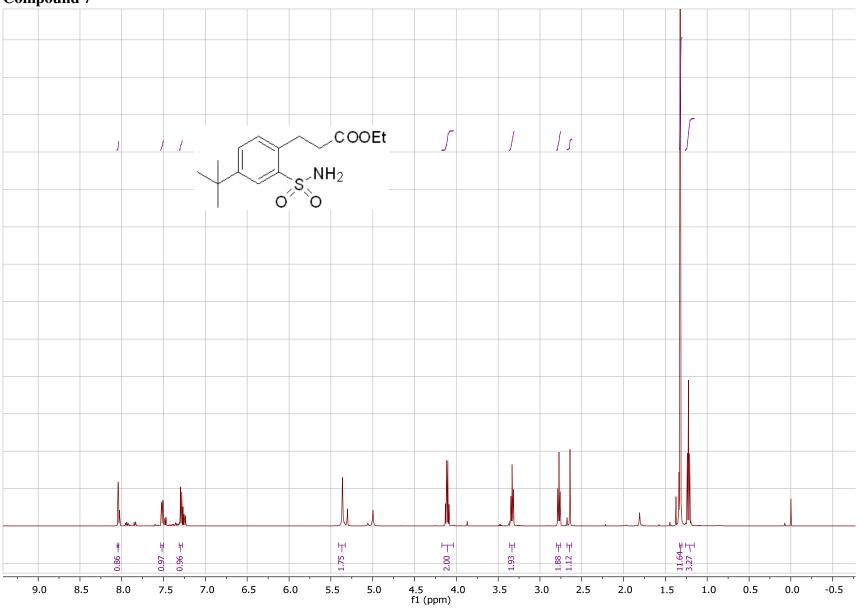




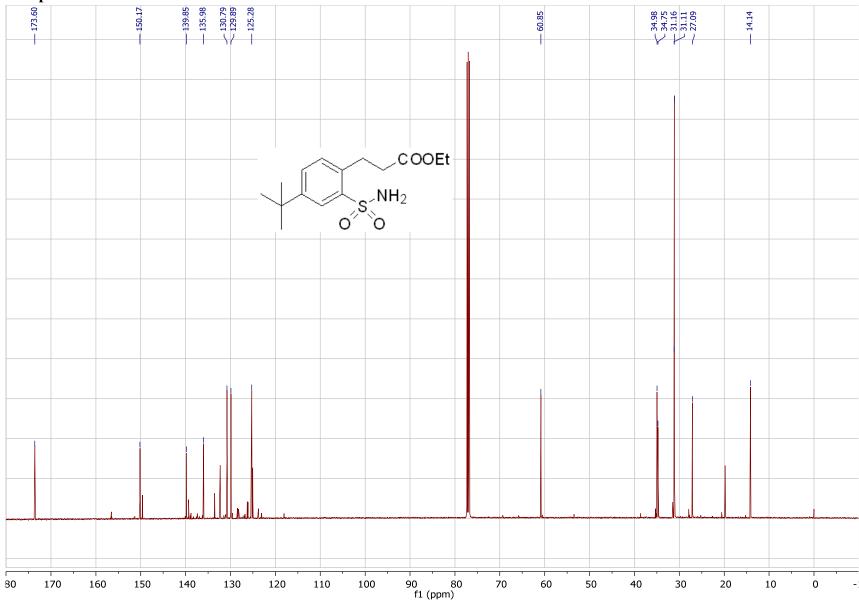




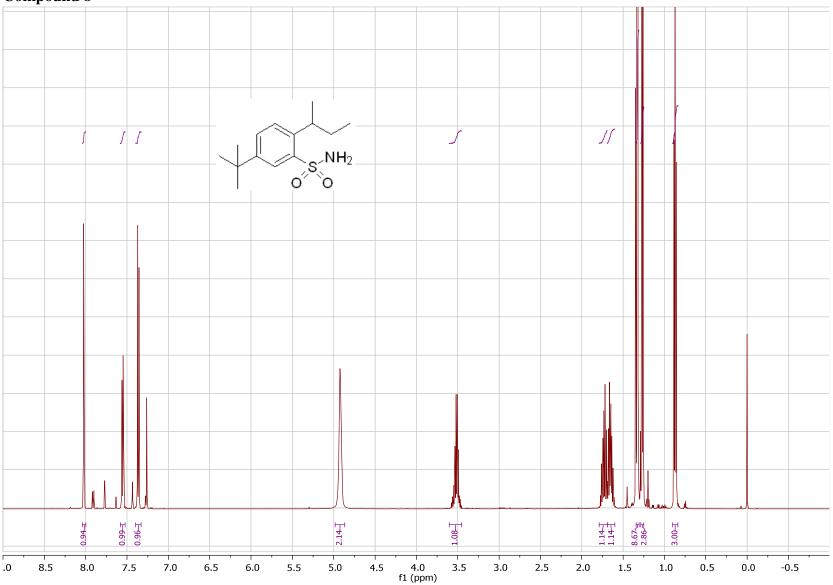
Compound 7



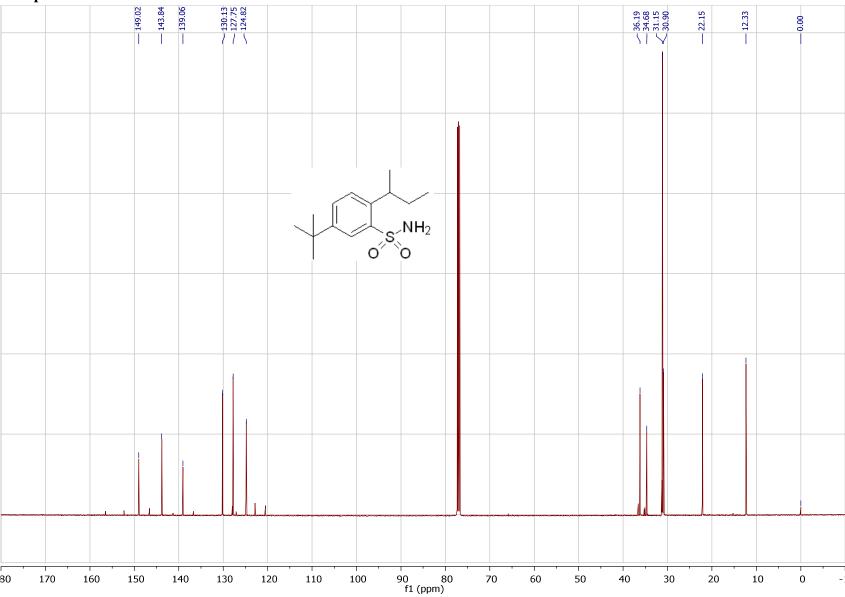




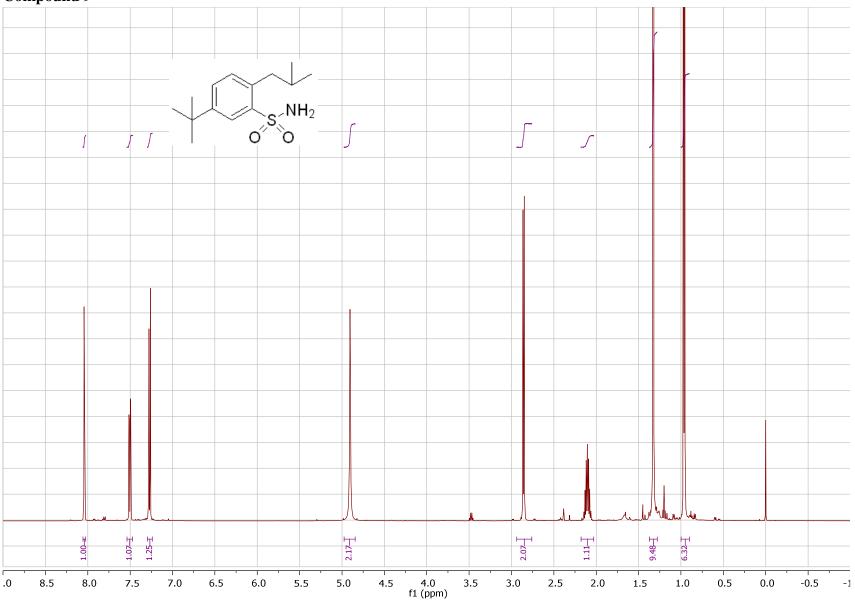




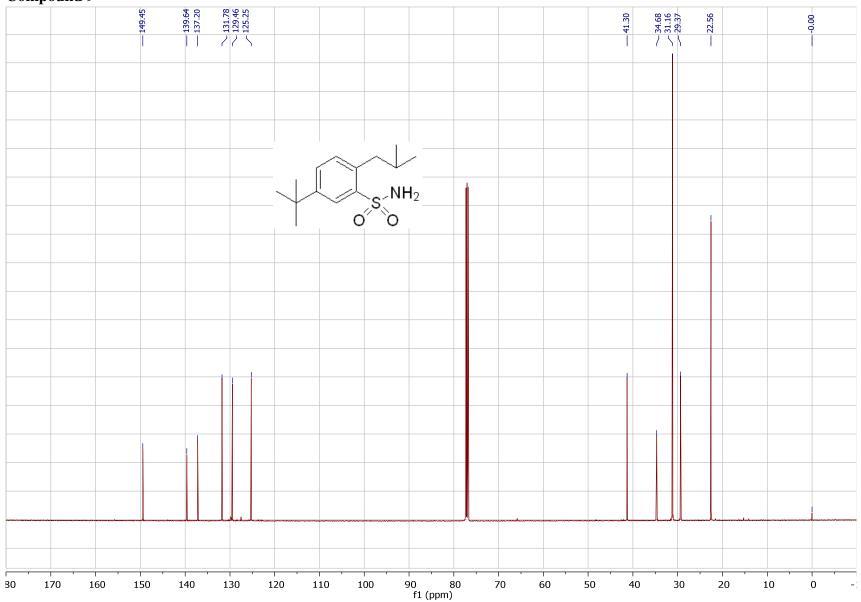


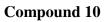


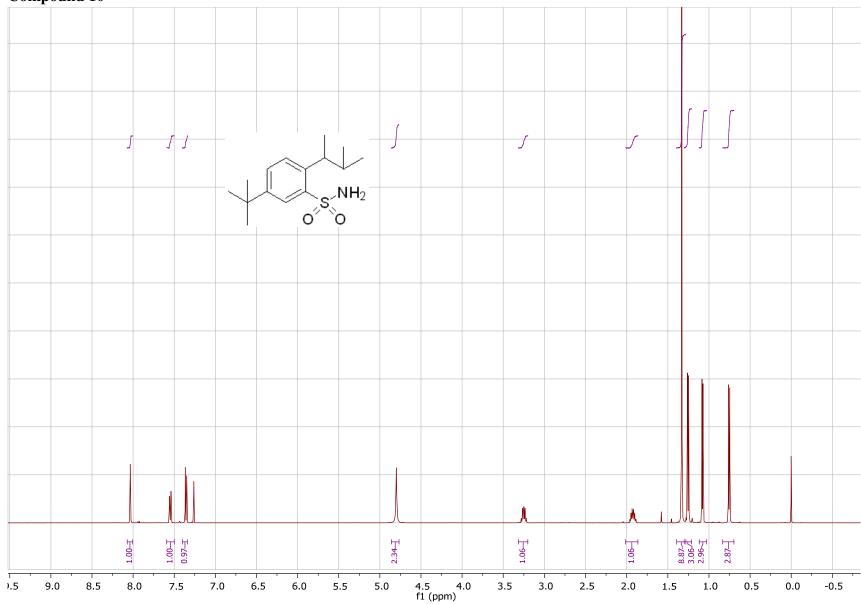


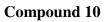


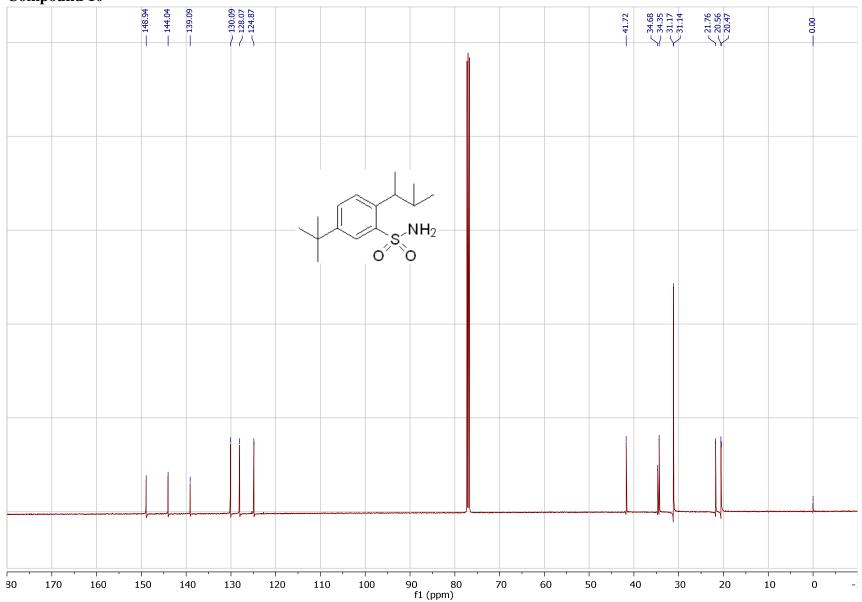


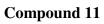


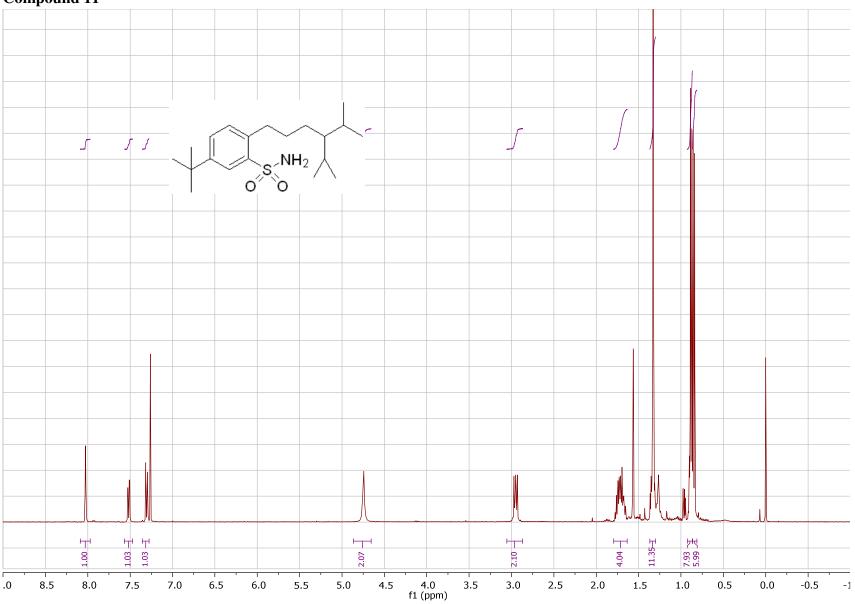


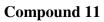


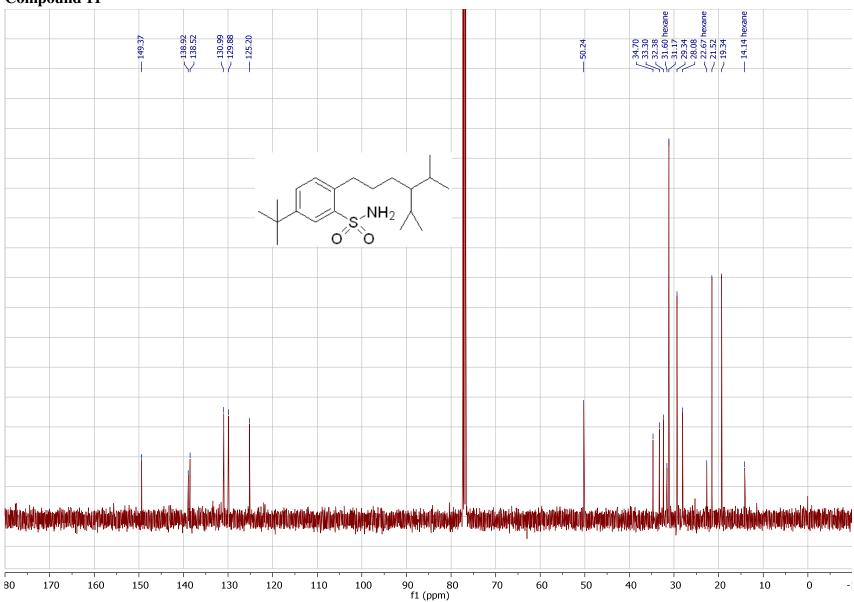


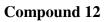


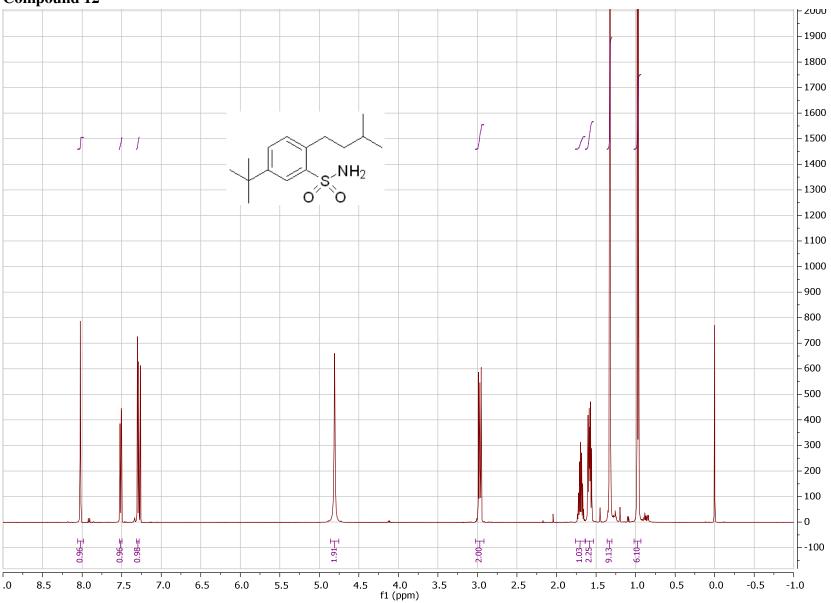


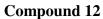


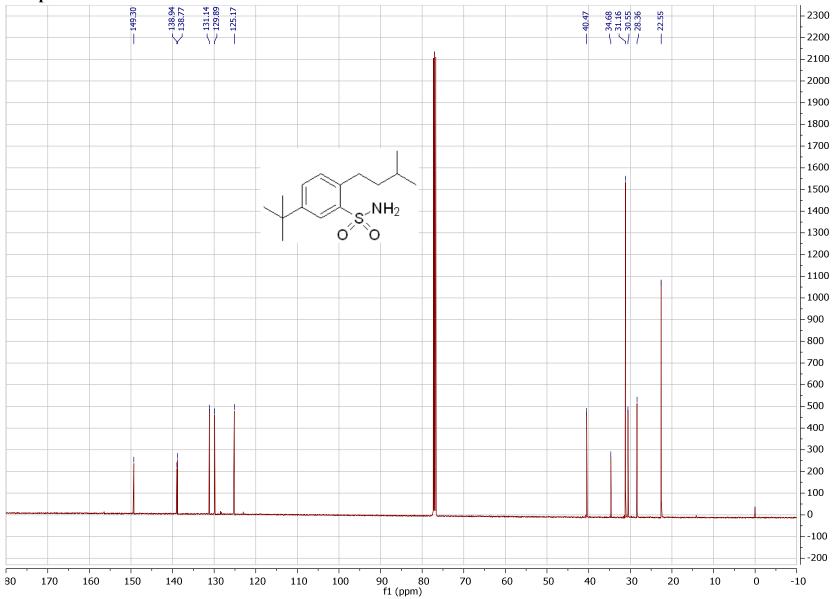


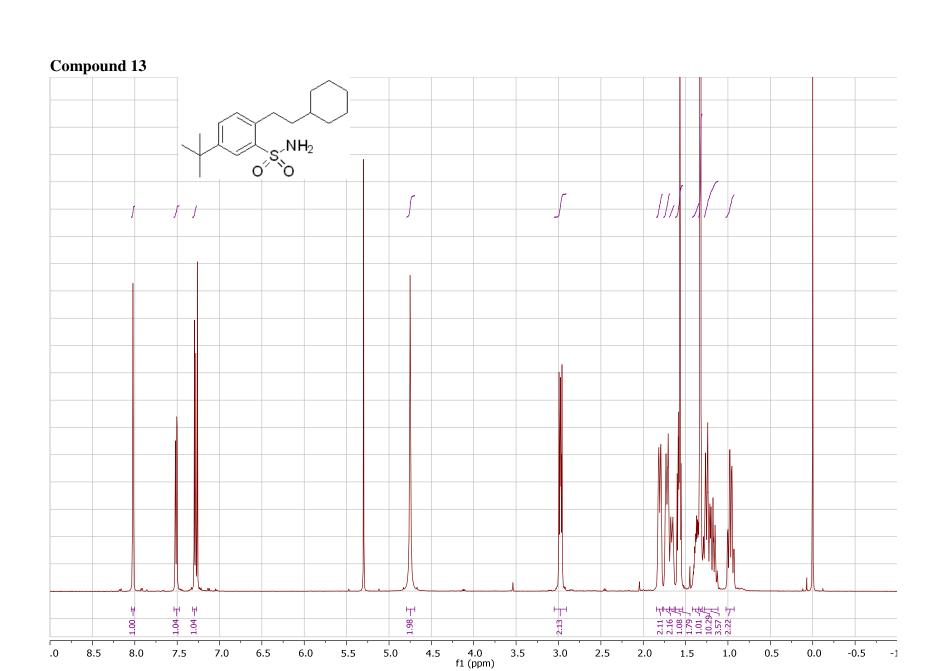


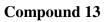


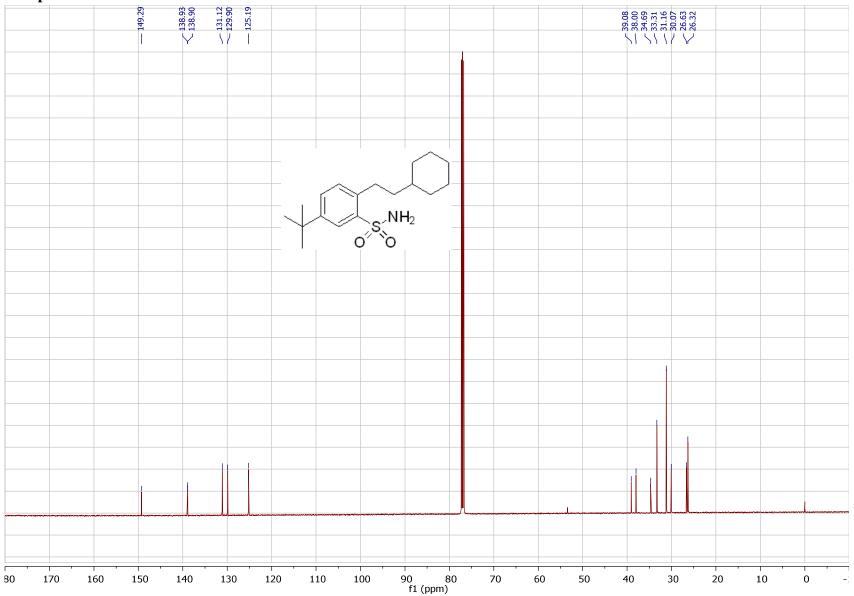


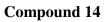


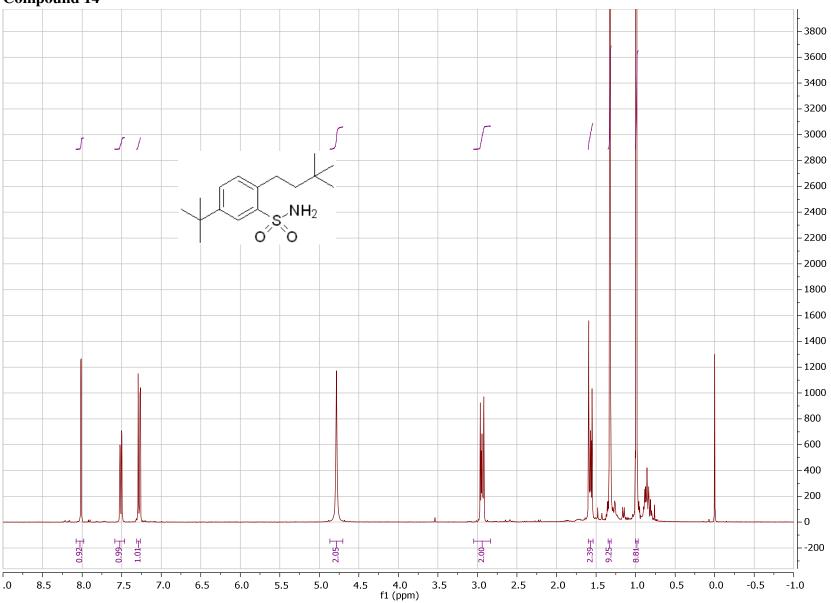


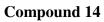


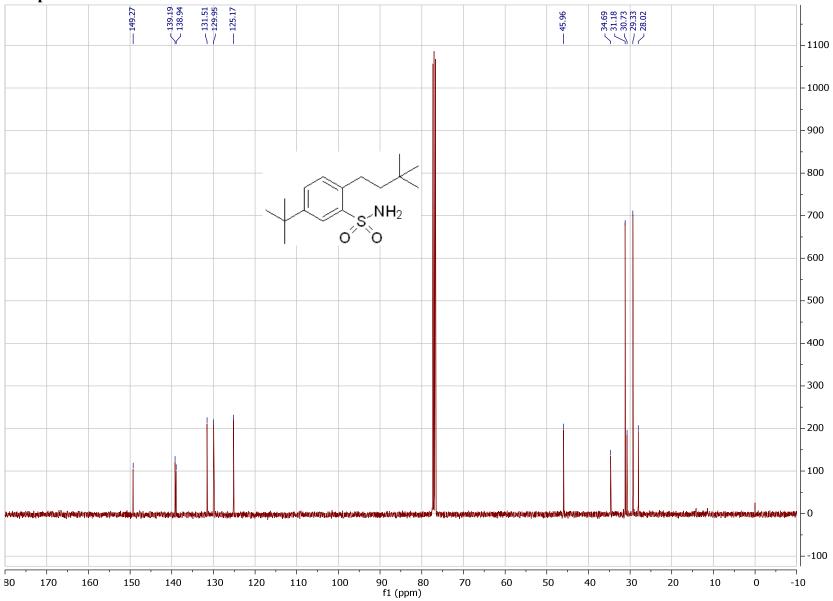


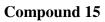




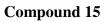


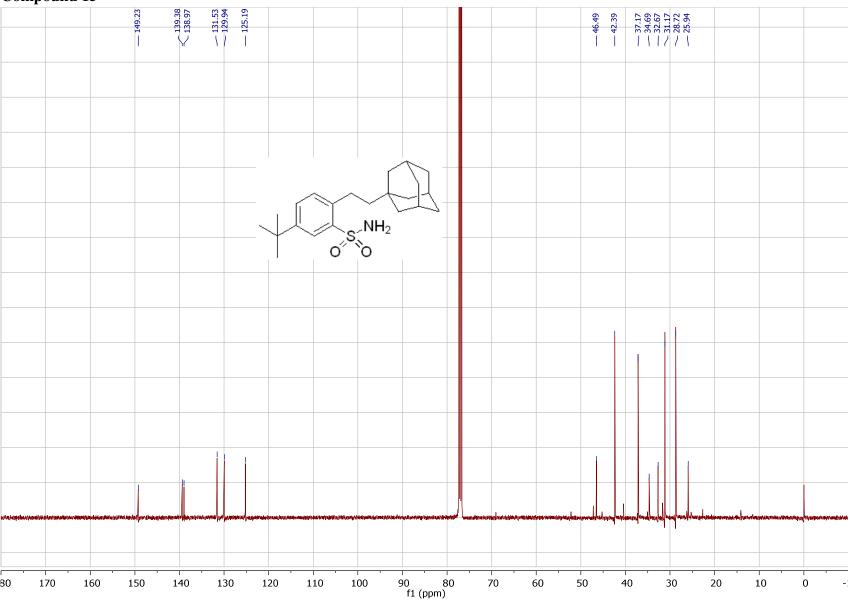




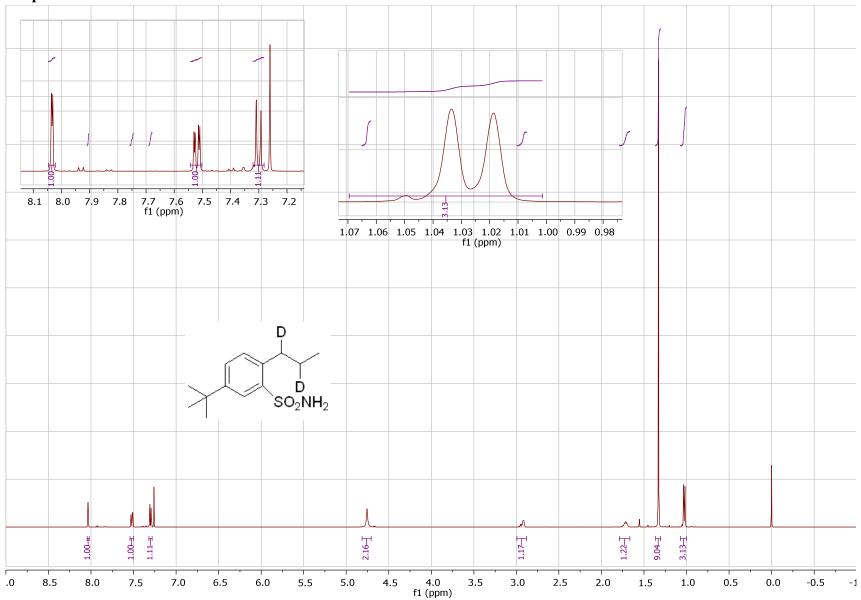




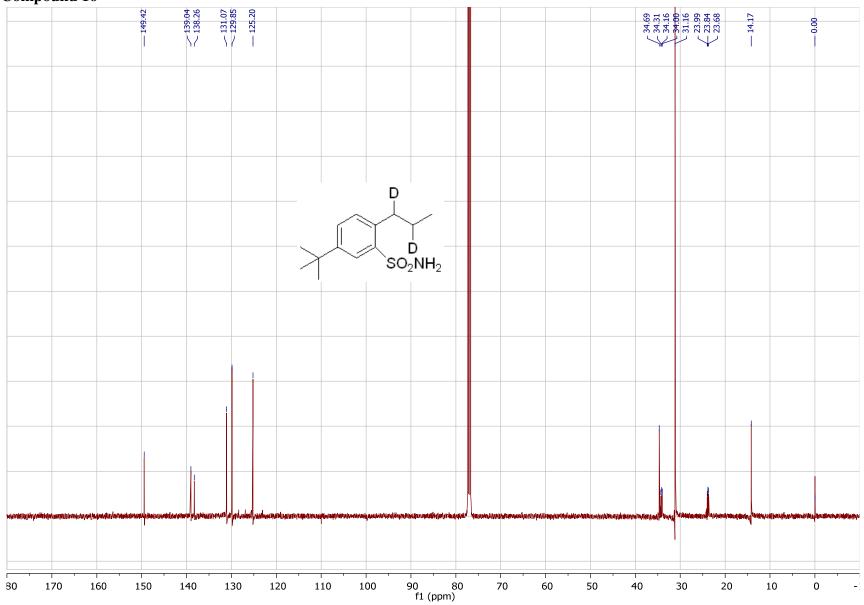




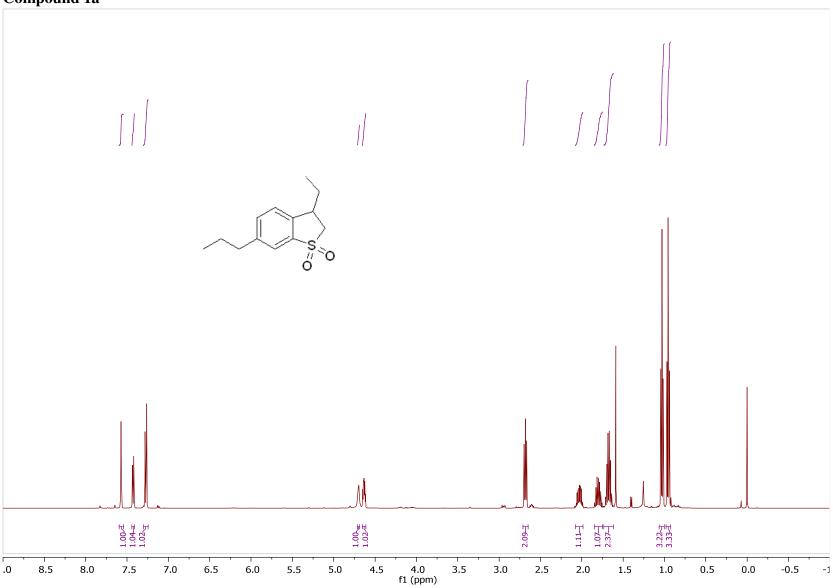
## **Compound 16**



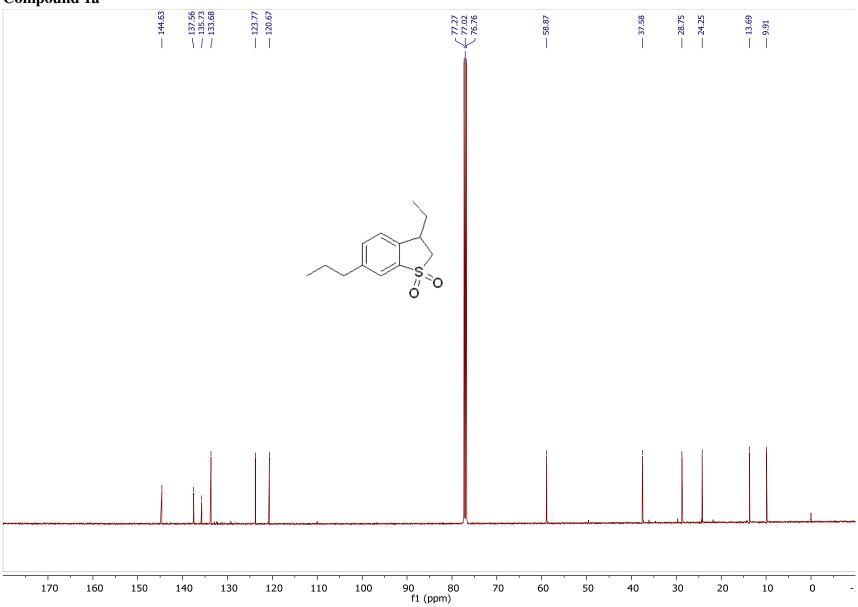
**Compound 16** 

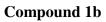


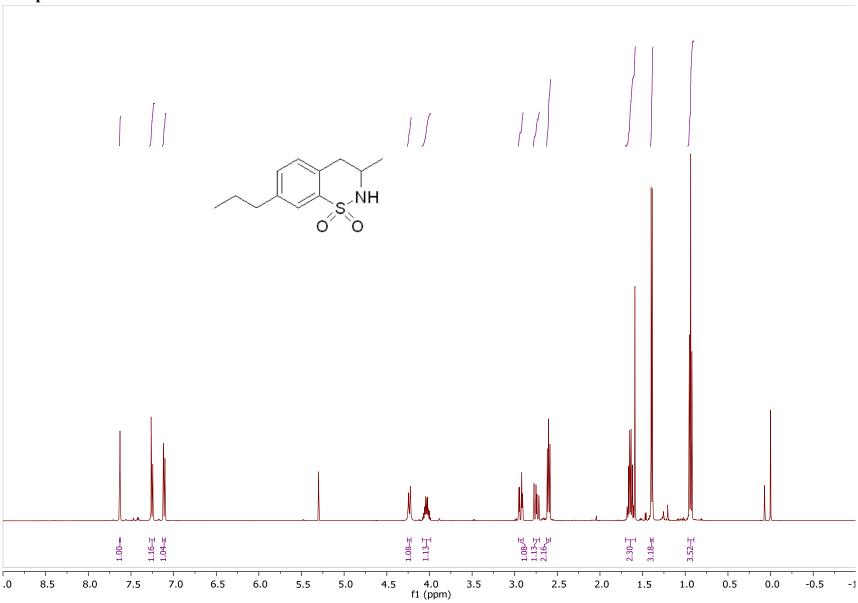




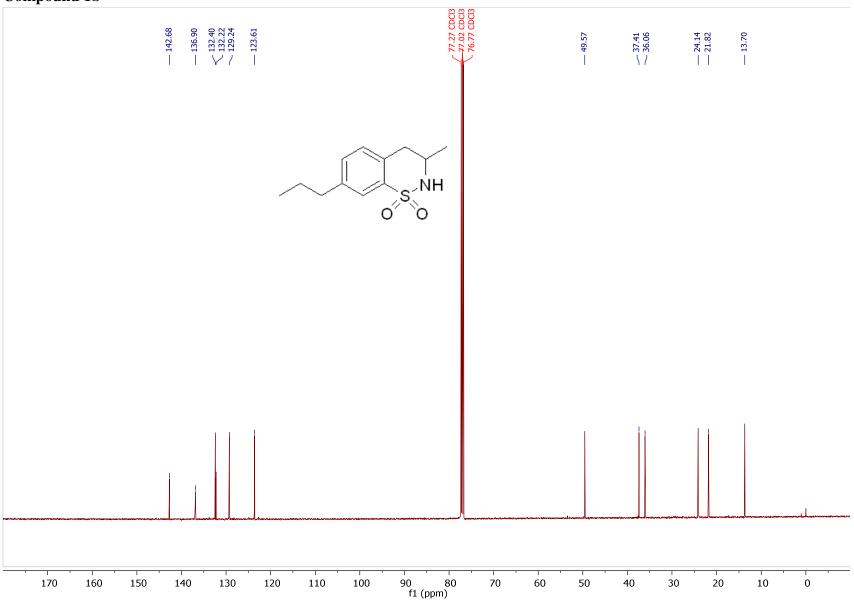


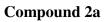


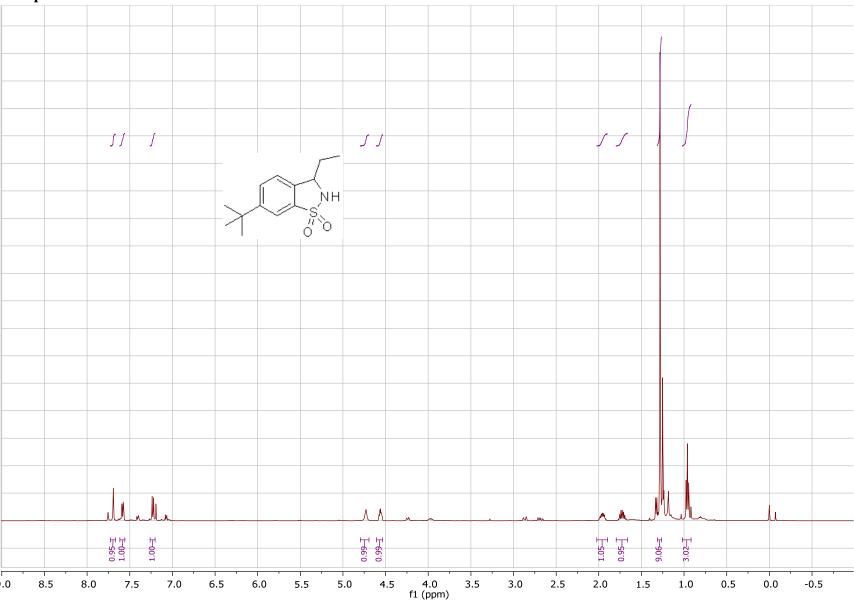


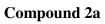


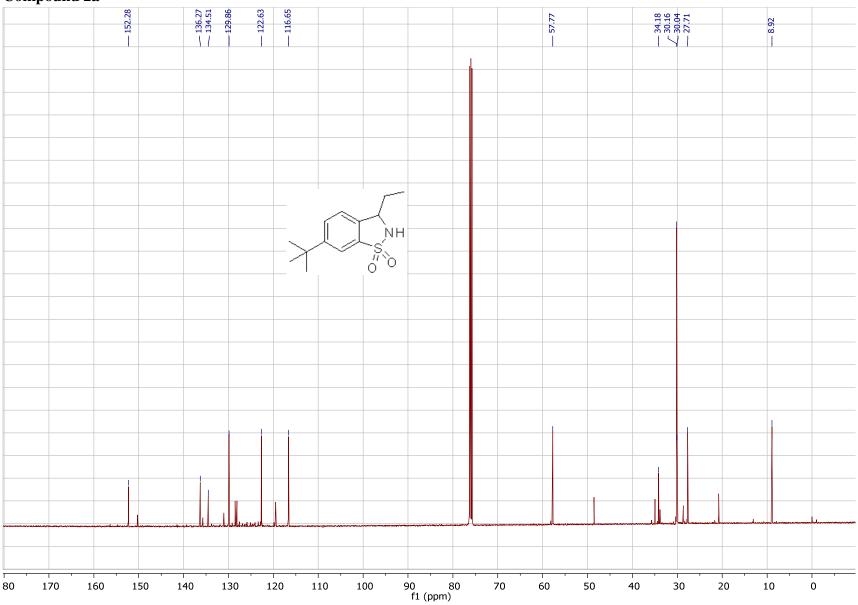


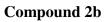


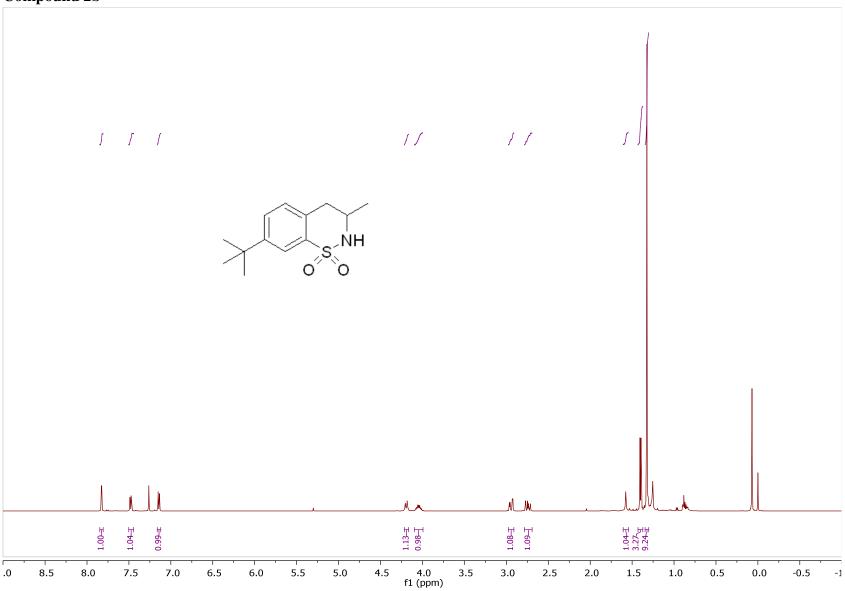


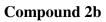


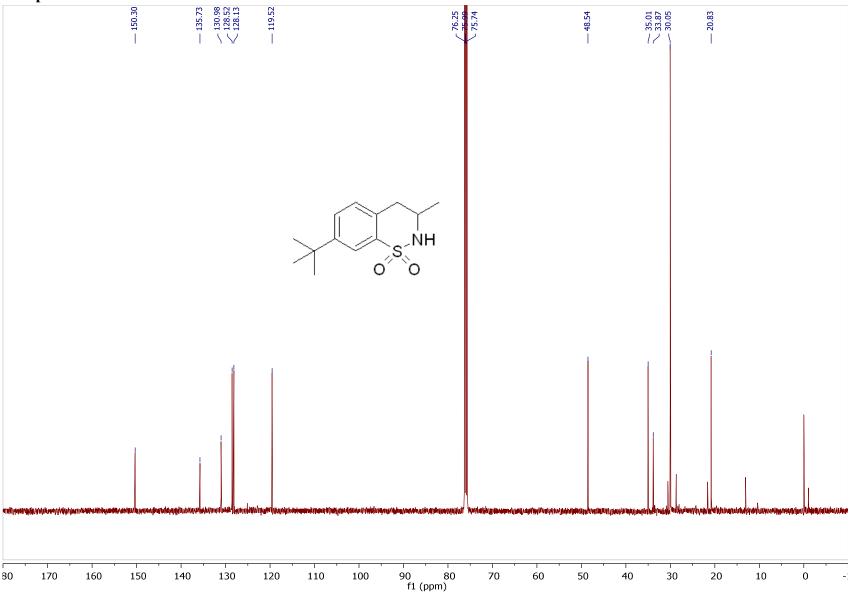




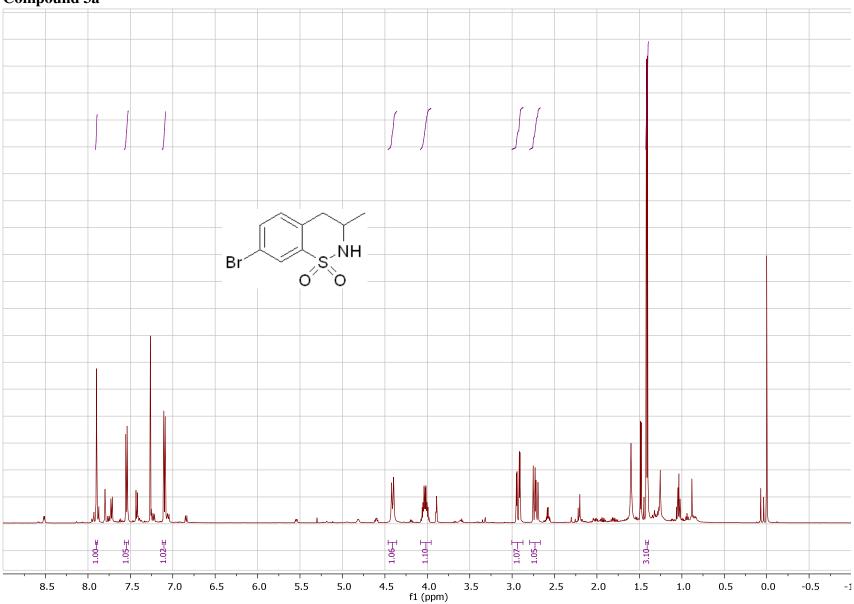


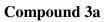


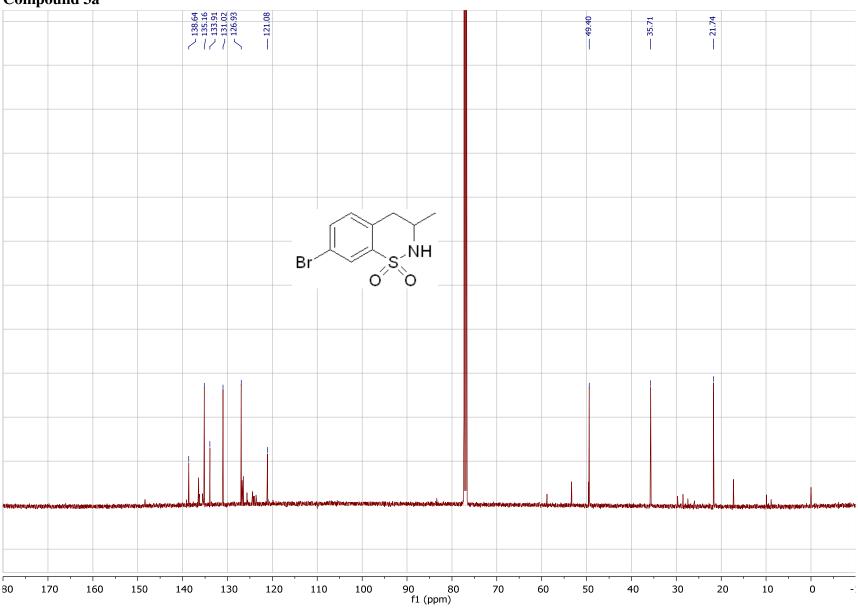




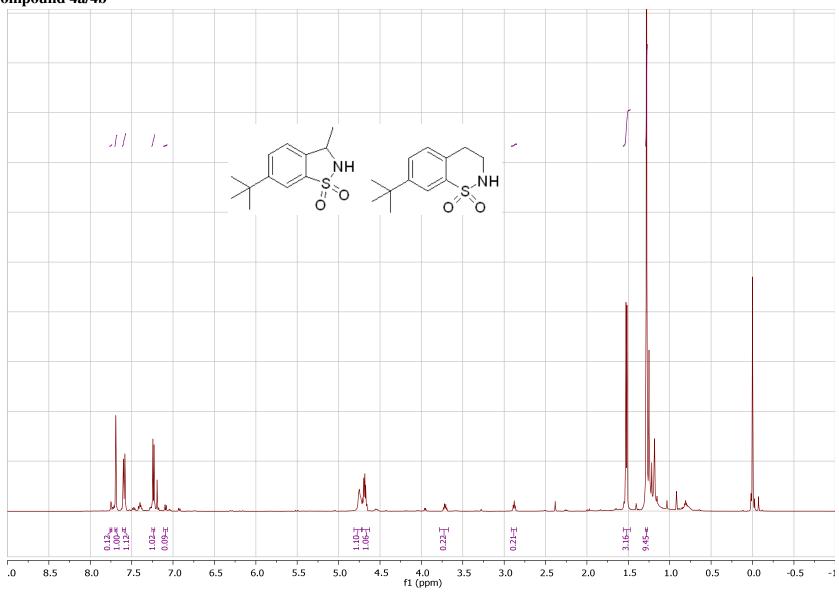




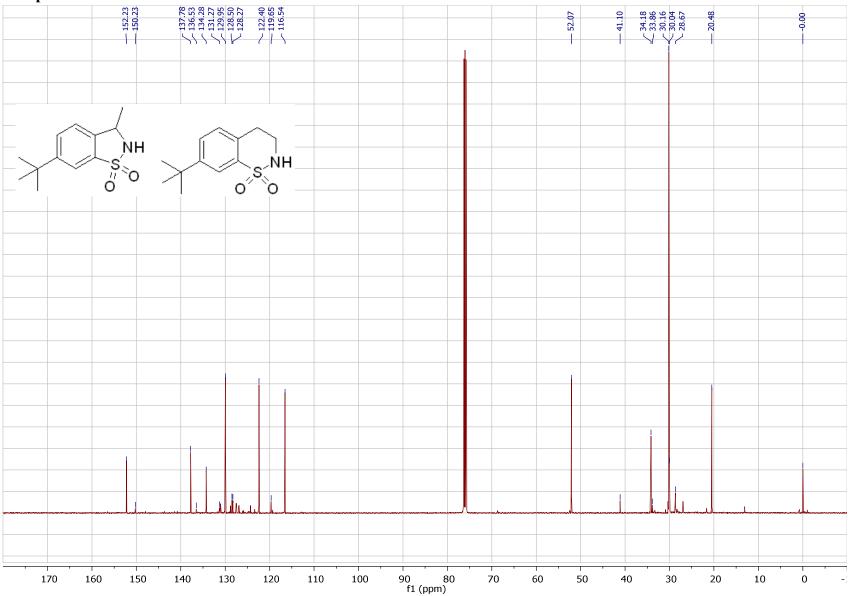


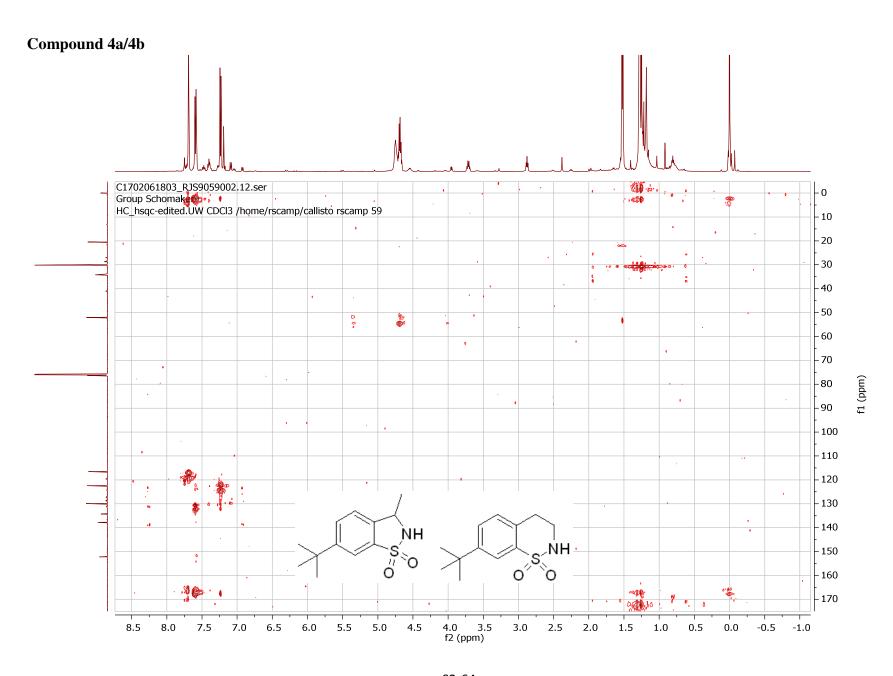


Compound 4a/4b

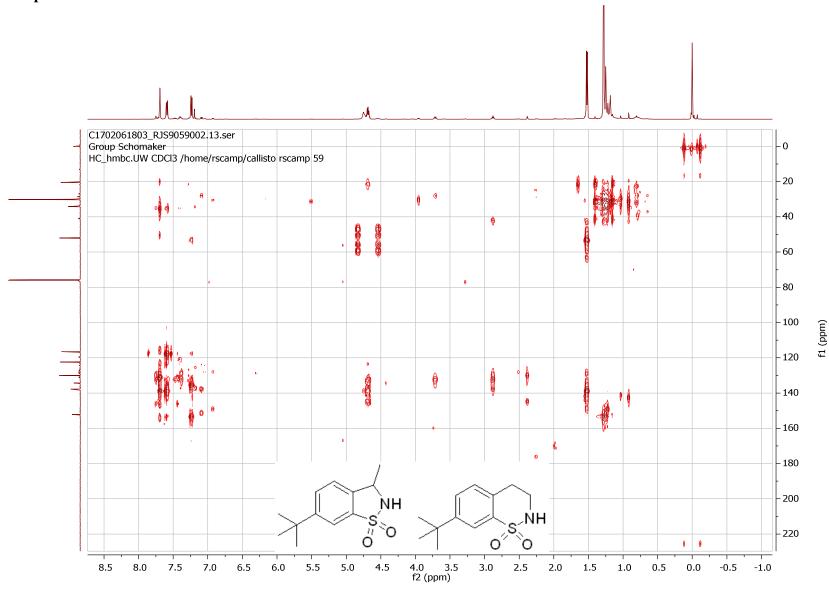


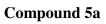


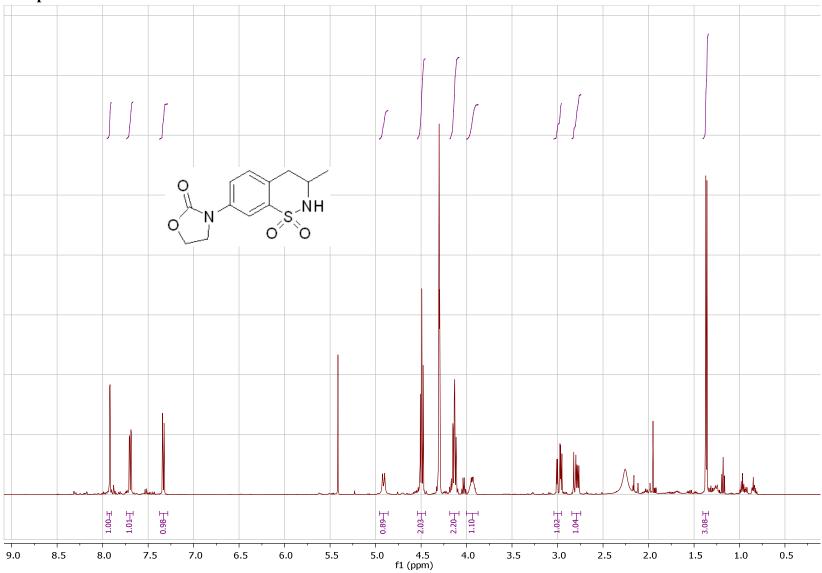


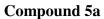


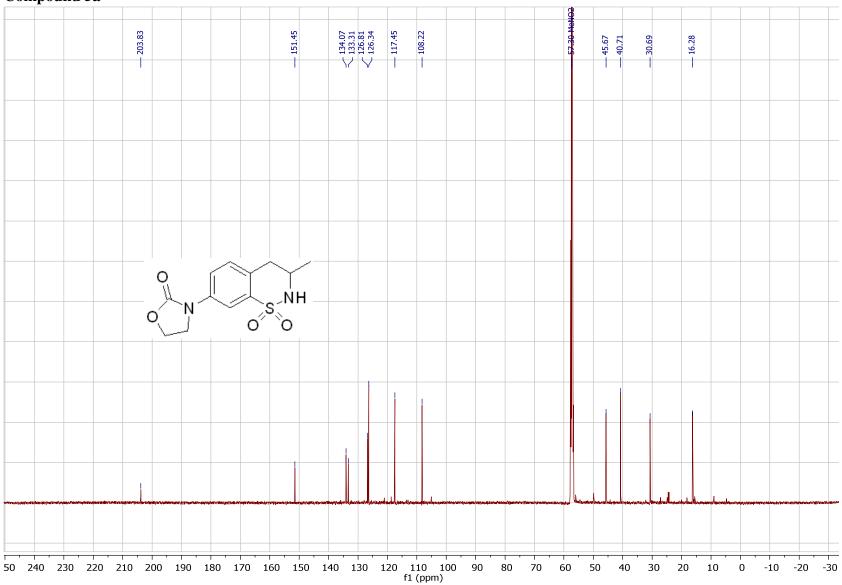
## Compound 4a/4b

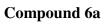


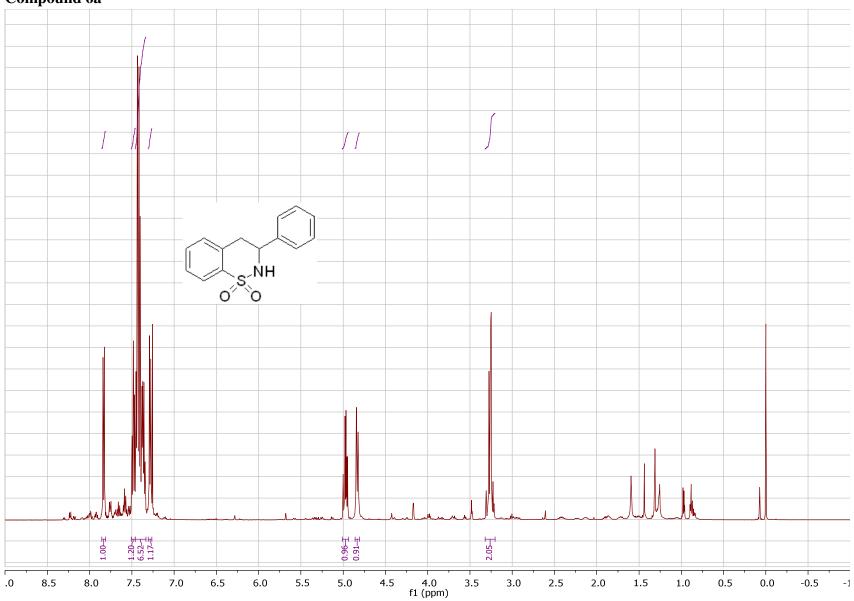


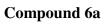


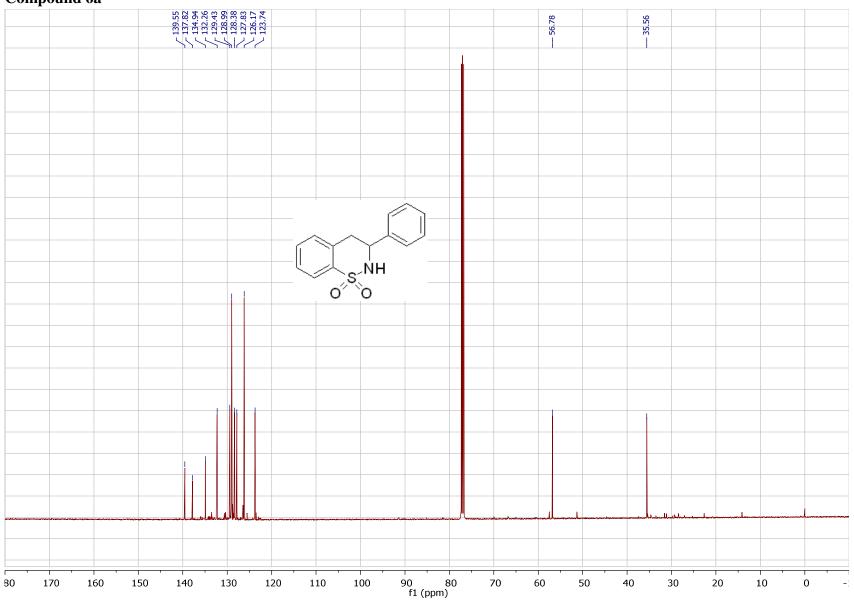


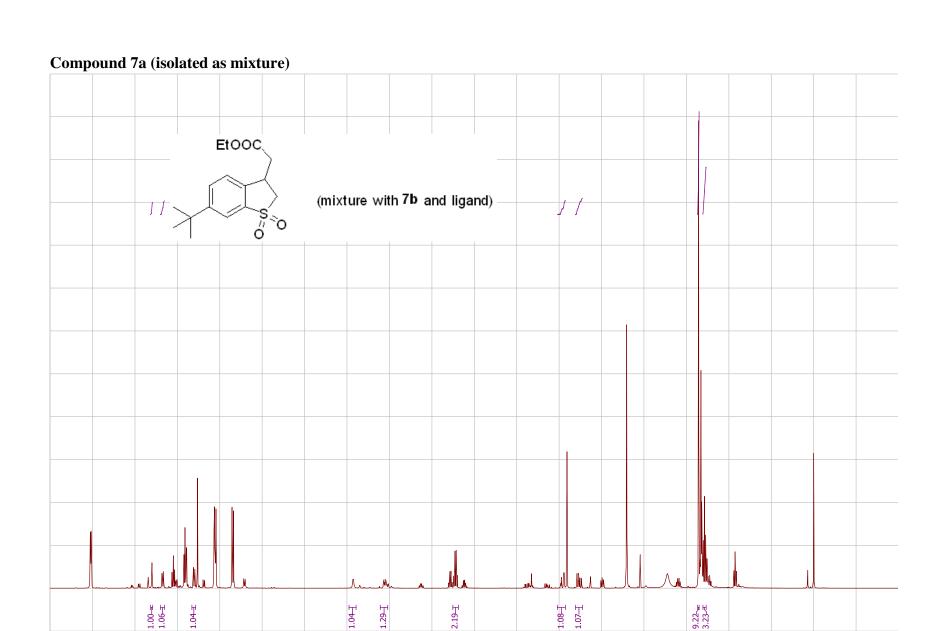












4.0 f1 (ppm) 3.5

2.5

3.0

2.0

1.5

1.0

0.5

0.0

-0.5

4.5

7.5

7.0

8.5

8.0

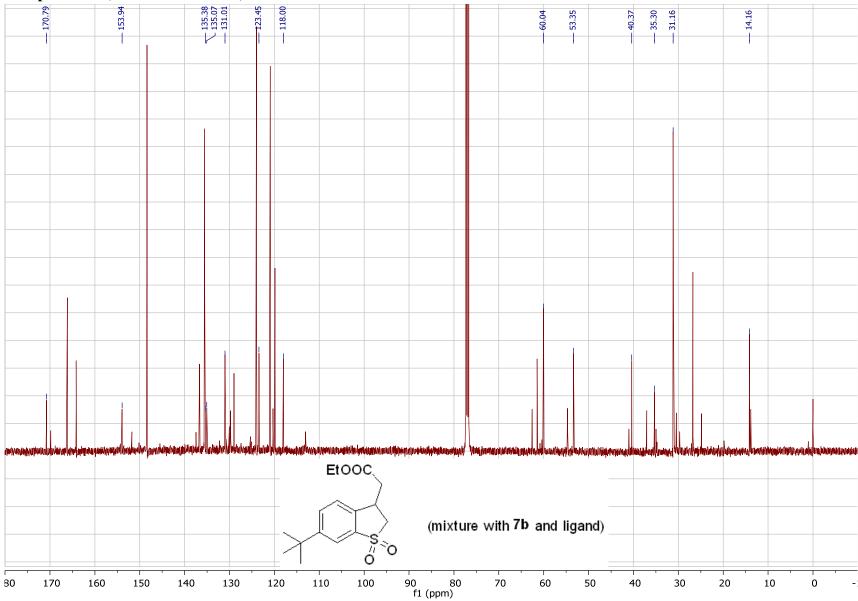
6.5

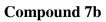
6.0

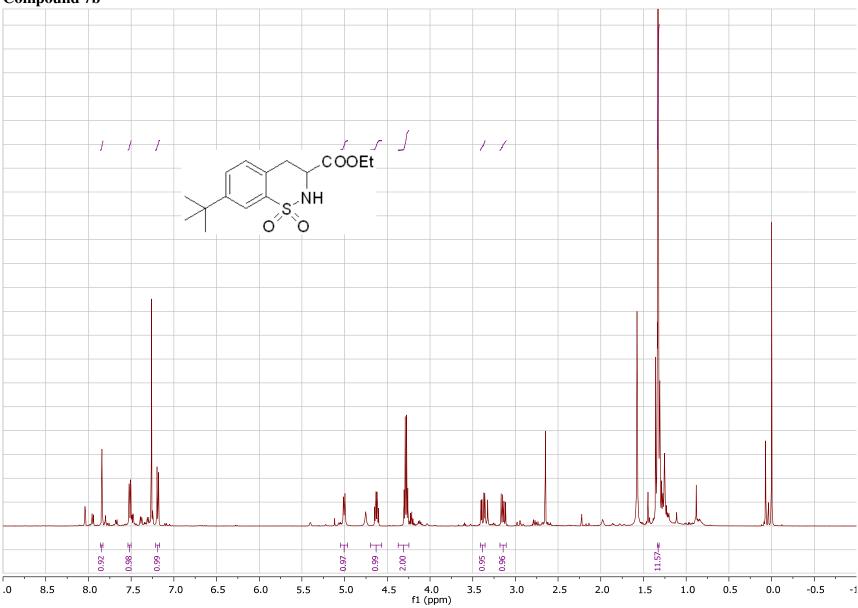
5.5

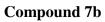
5.0

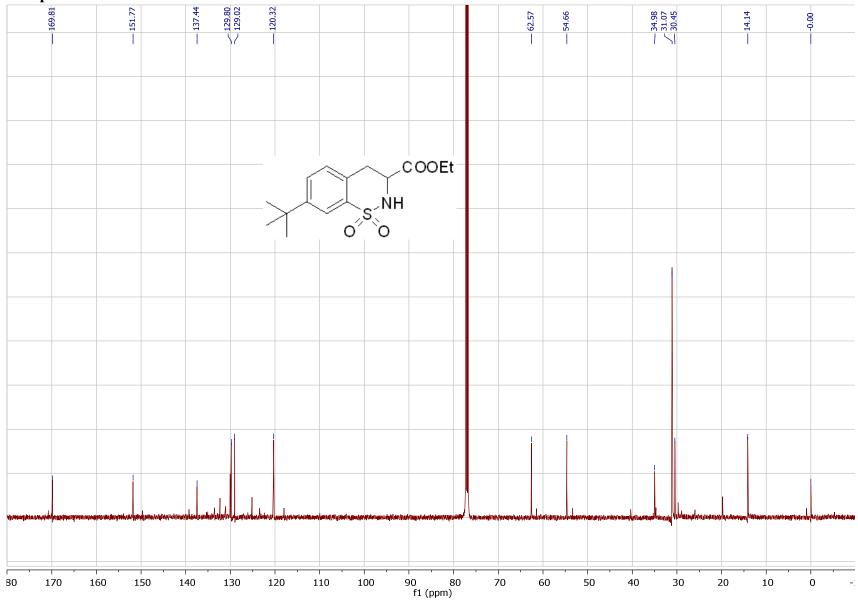


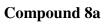


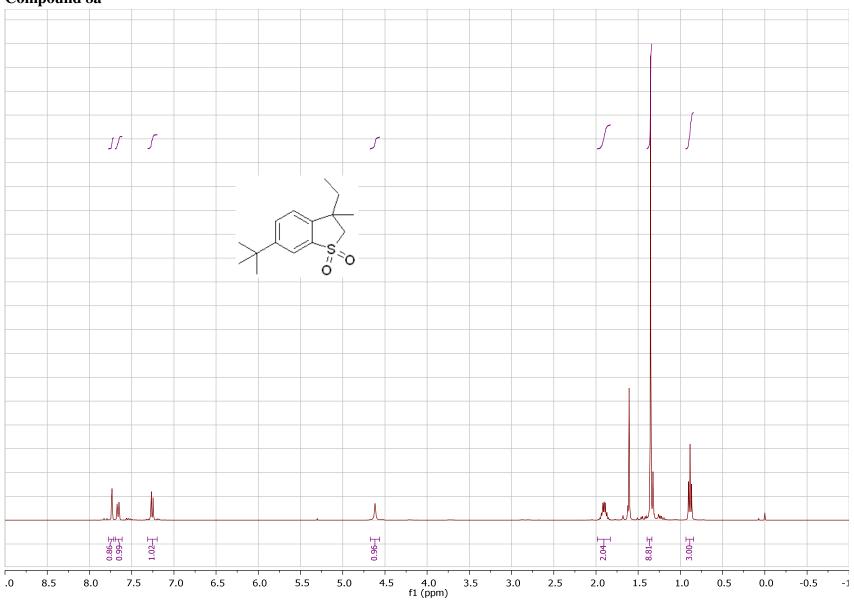


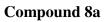


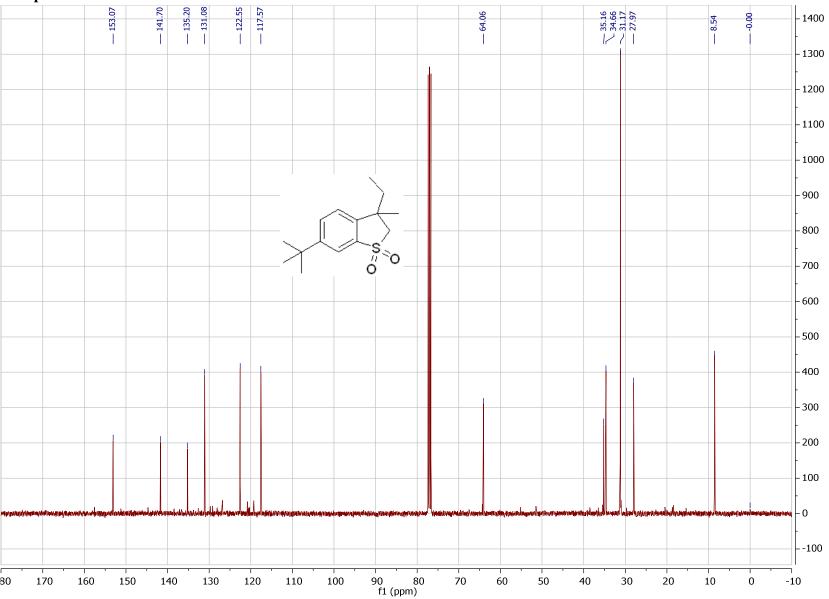




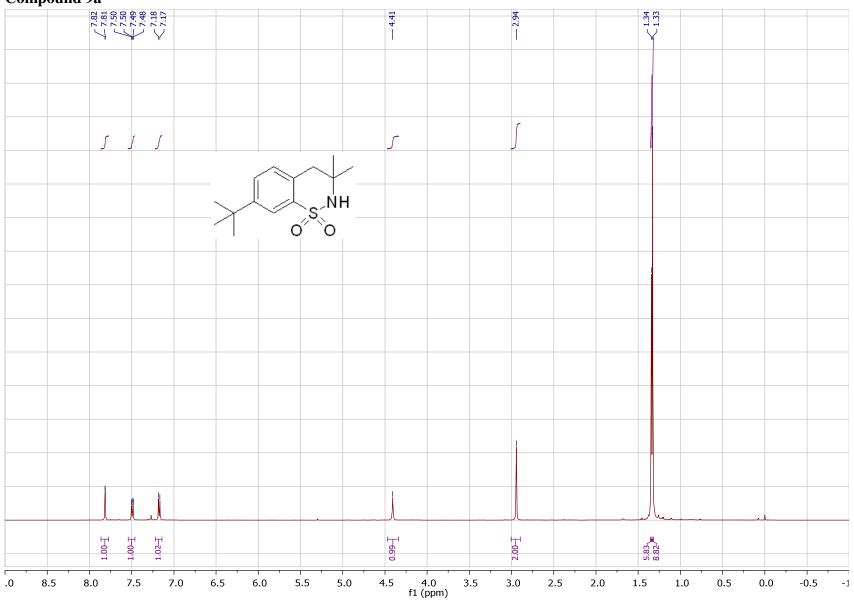


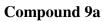


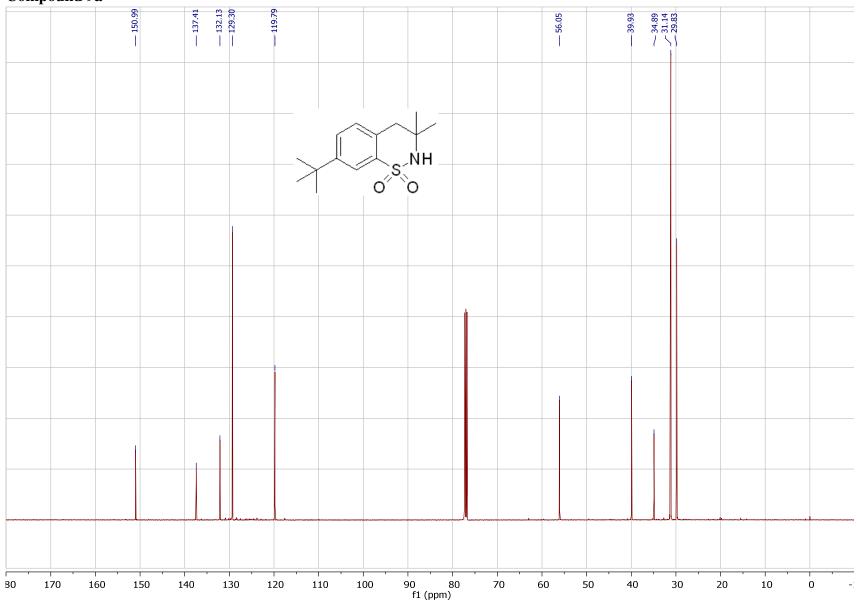


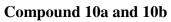


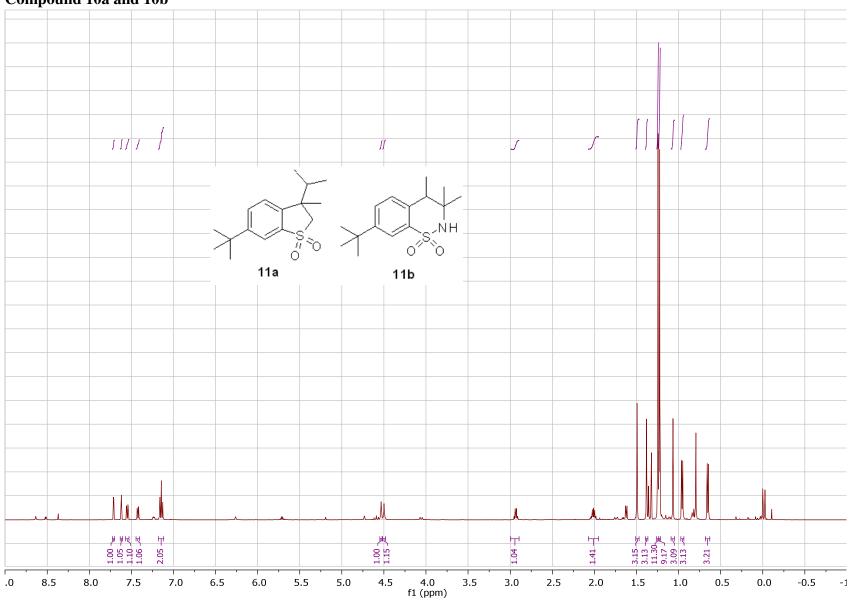
**Compound 9a** 



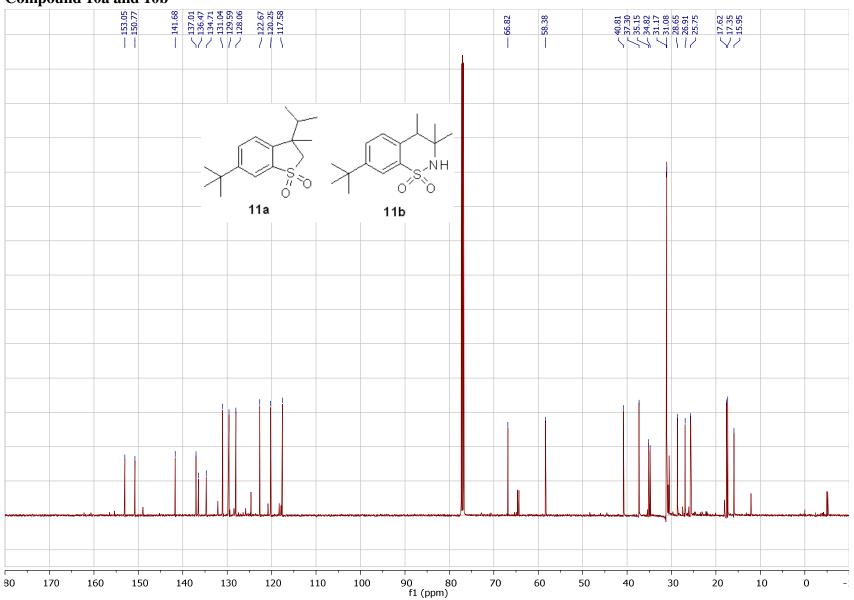




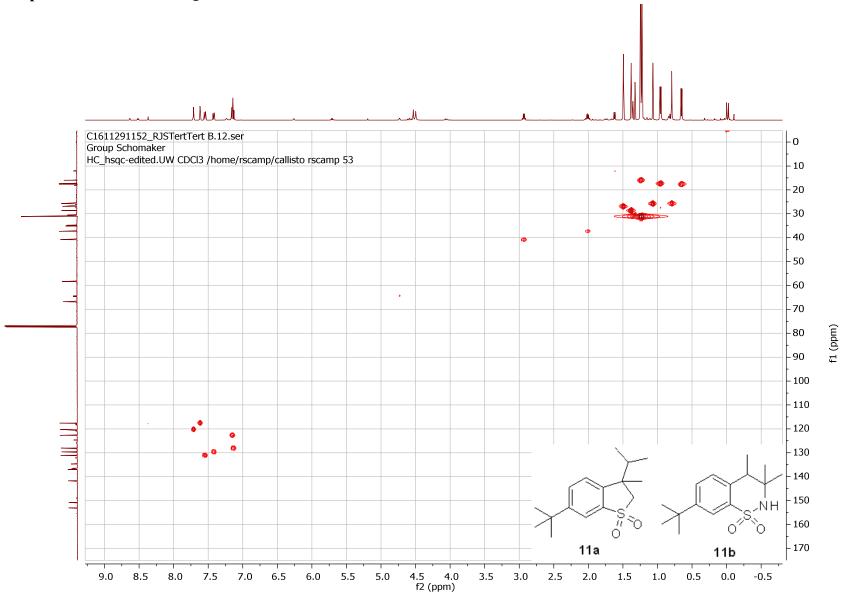




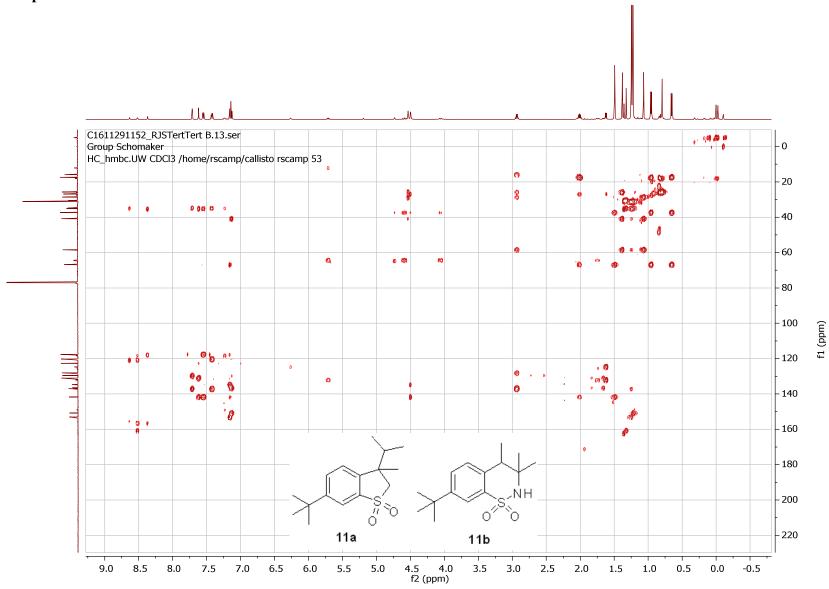
Compound 10a and 10b

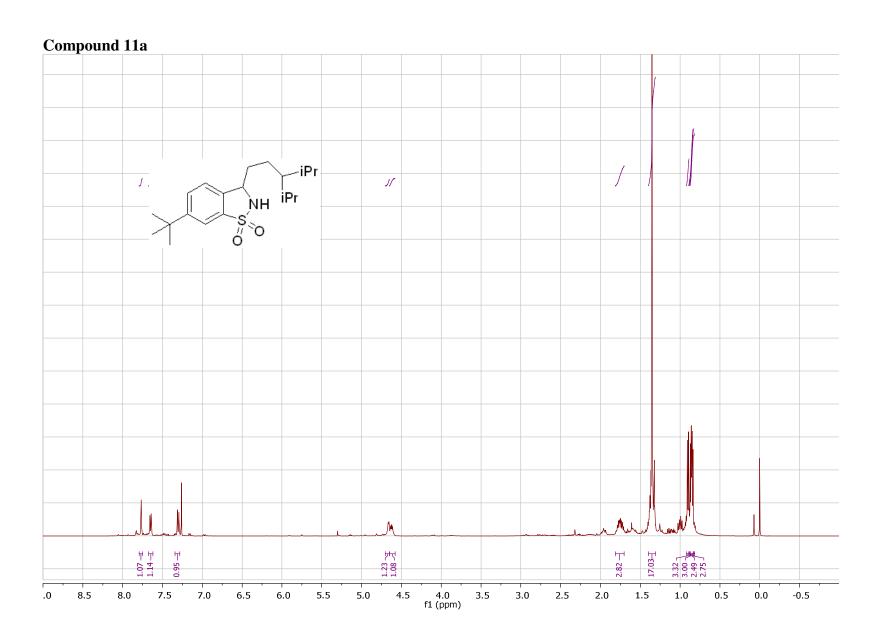


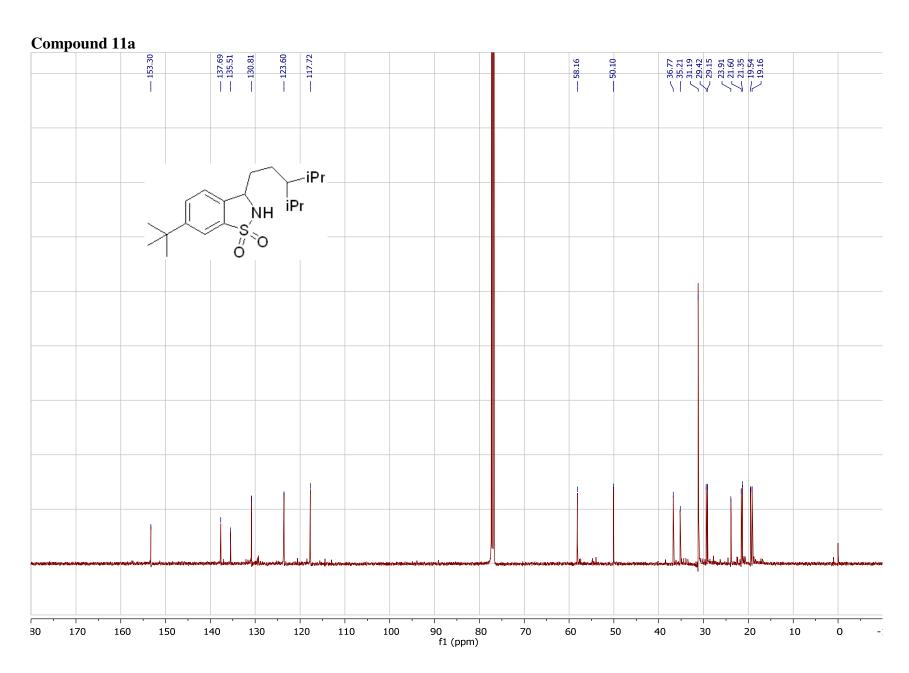
## Compound 10a and 10b-HSQC

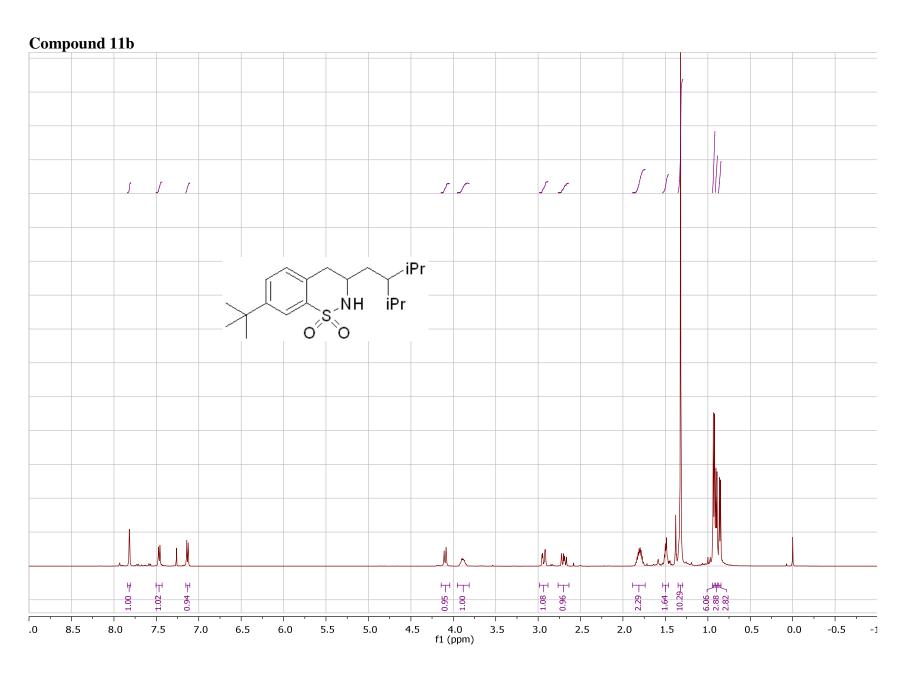


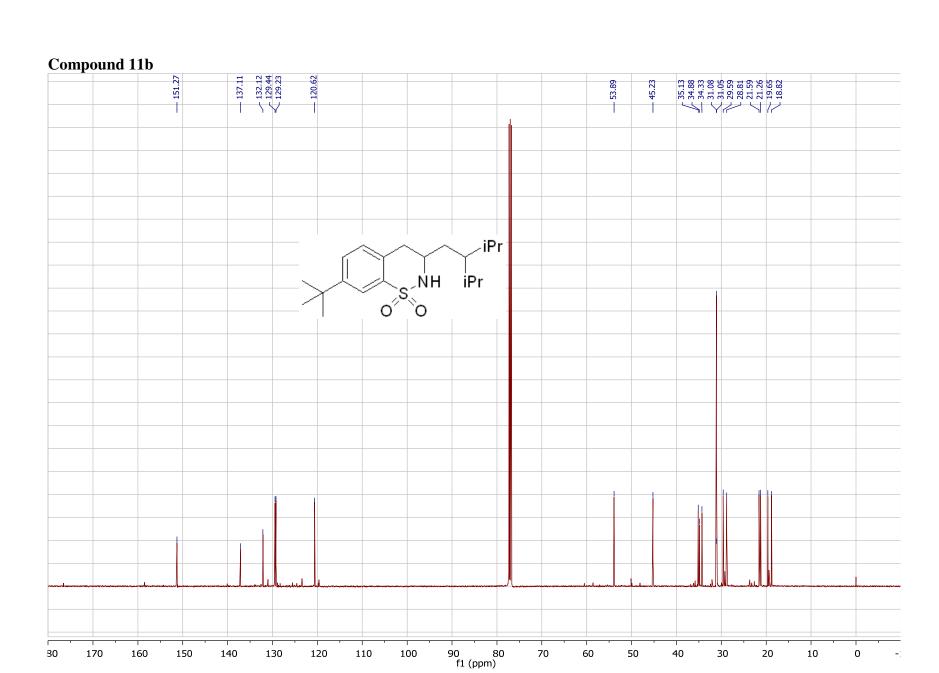
## Compound 10a and 10b-HMBC

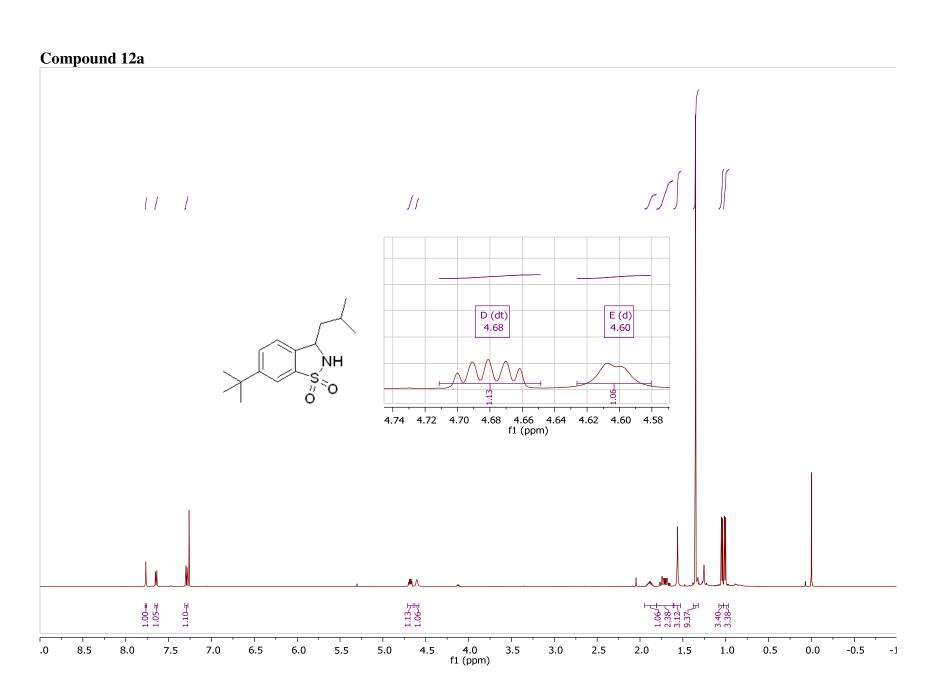


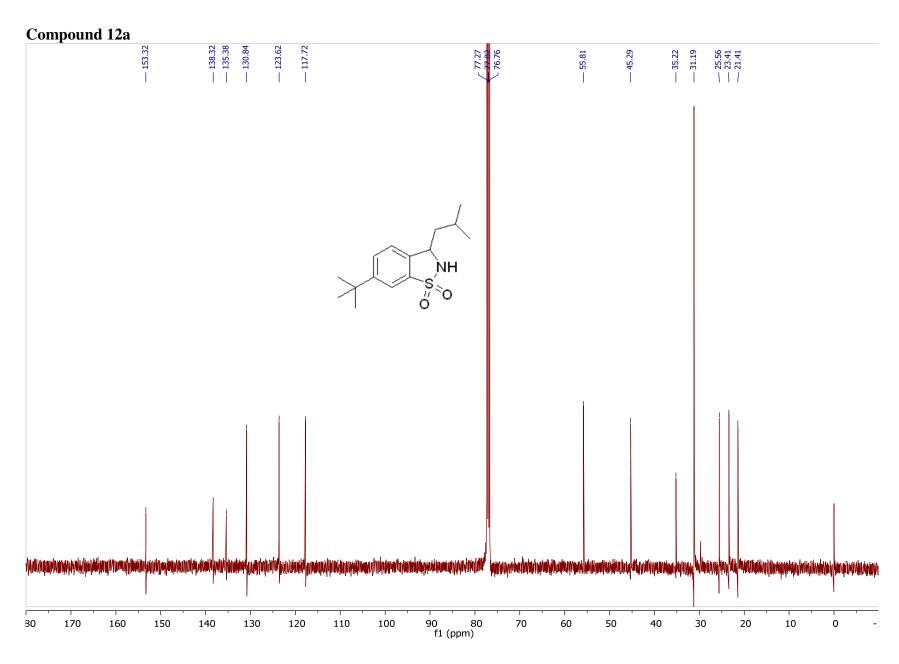


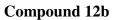


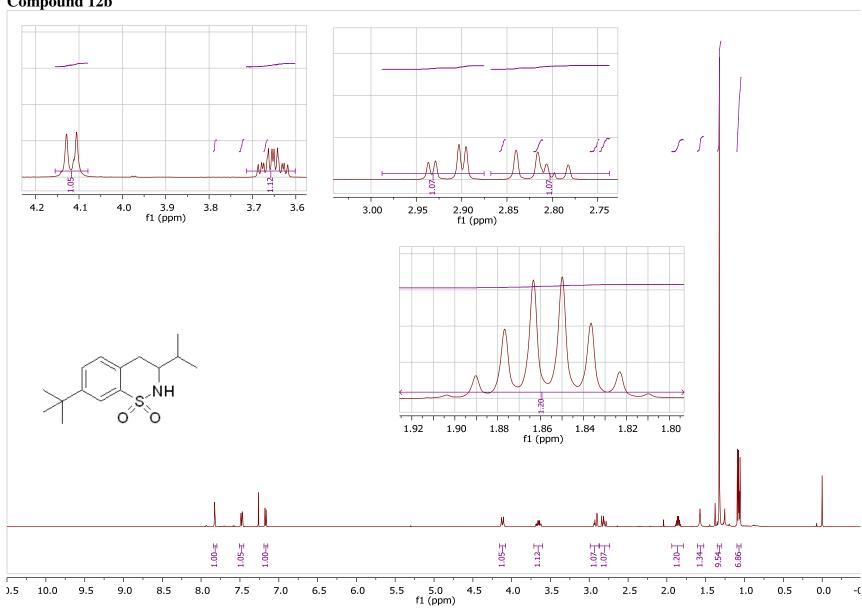


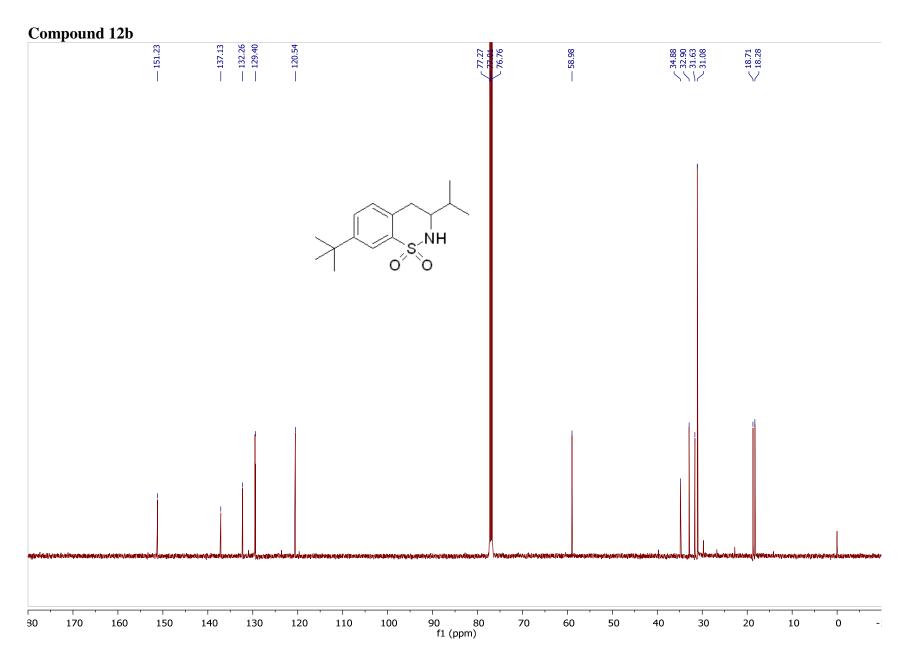


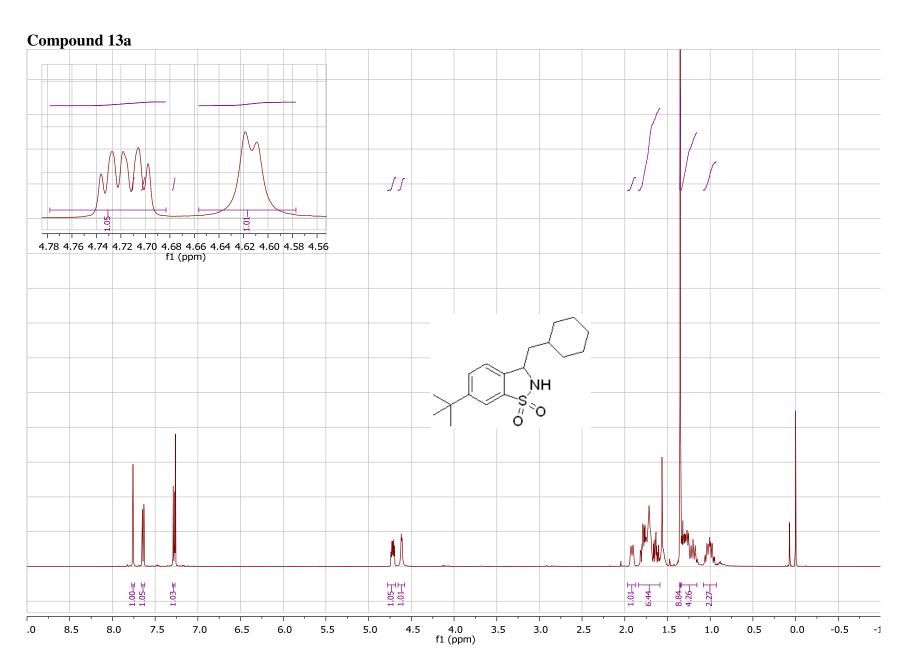


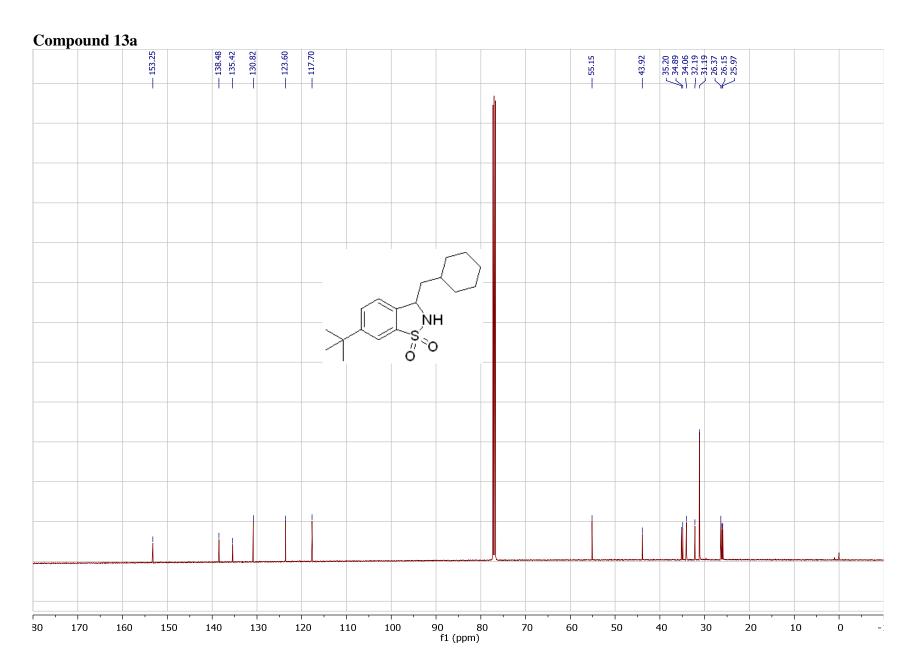


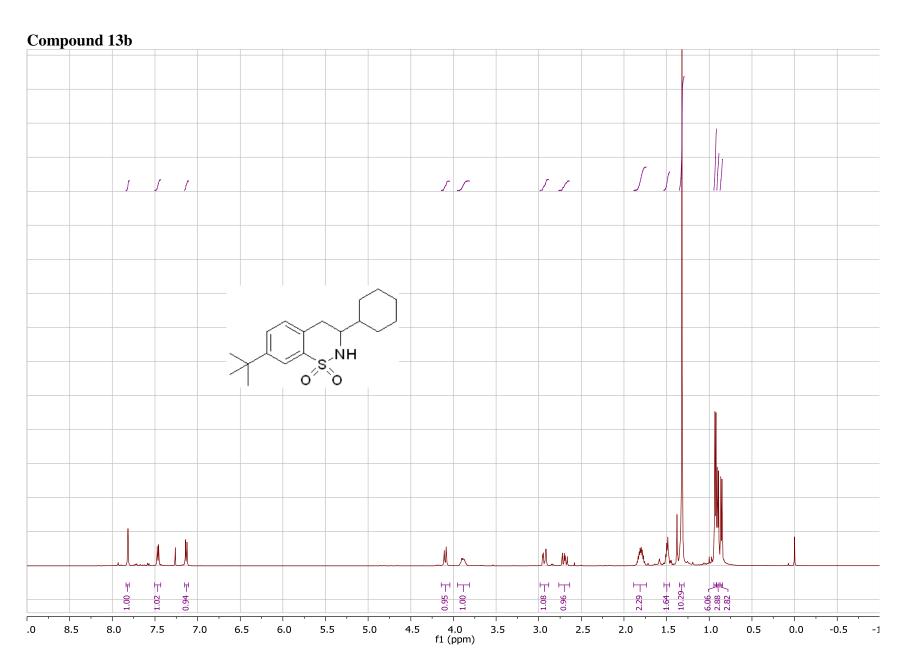


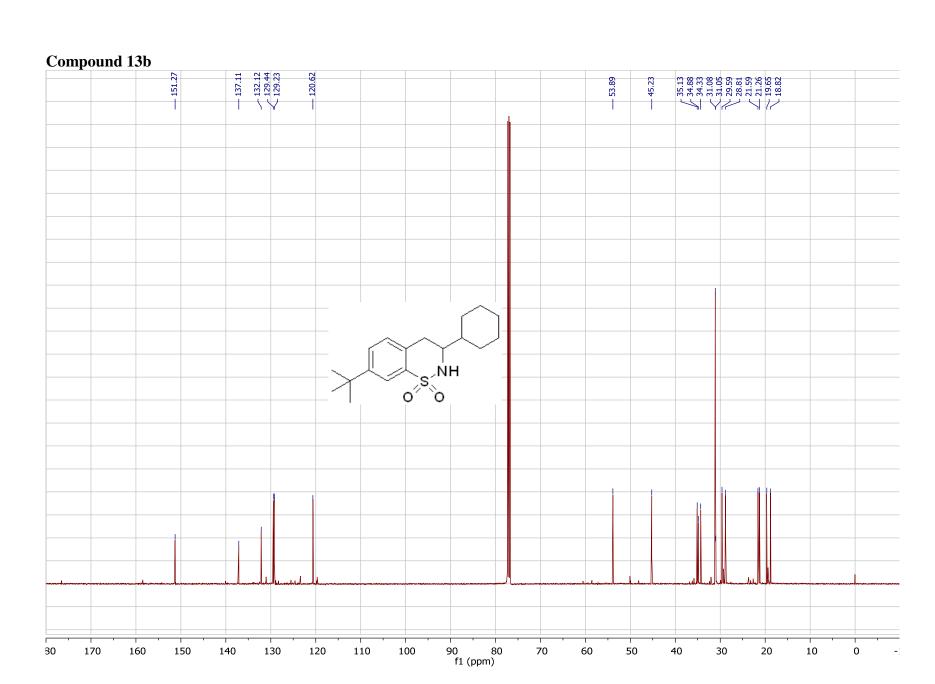


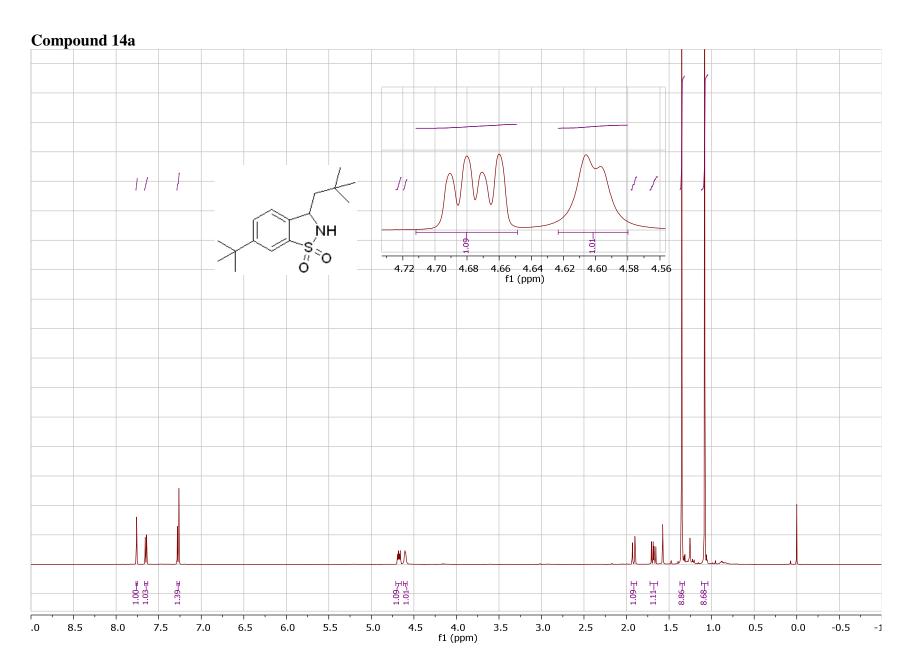


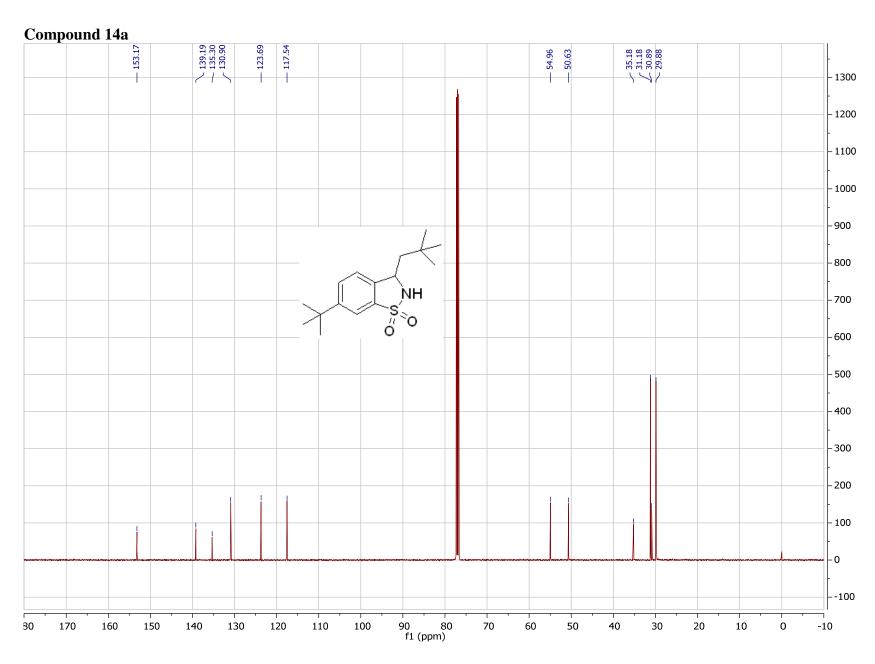


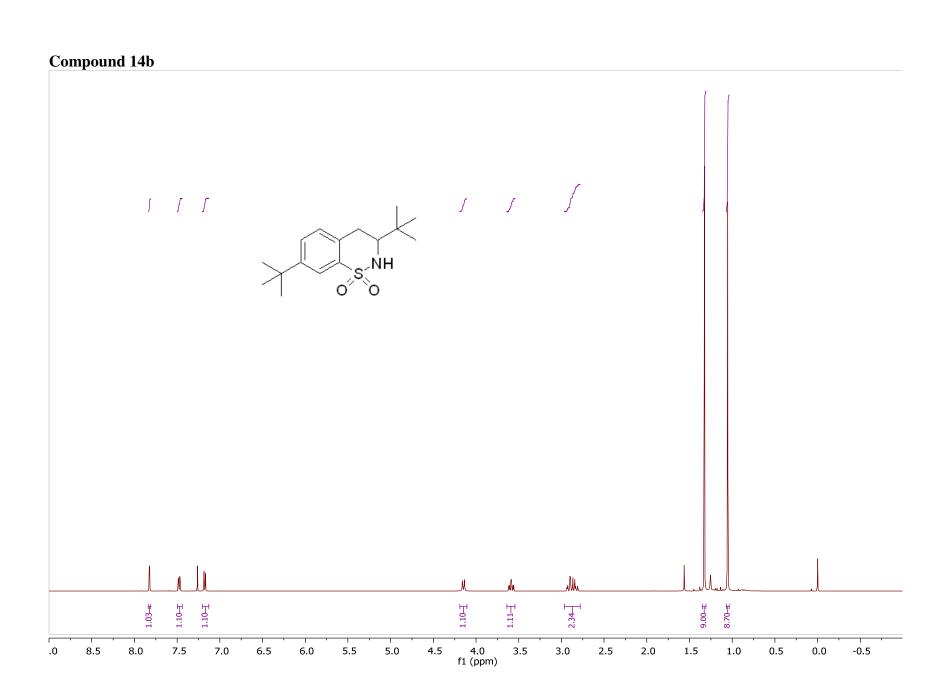


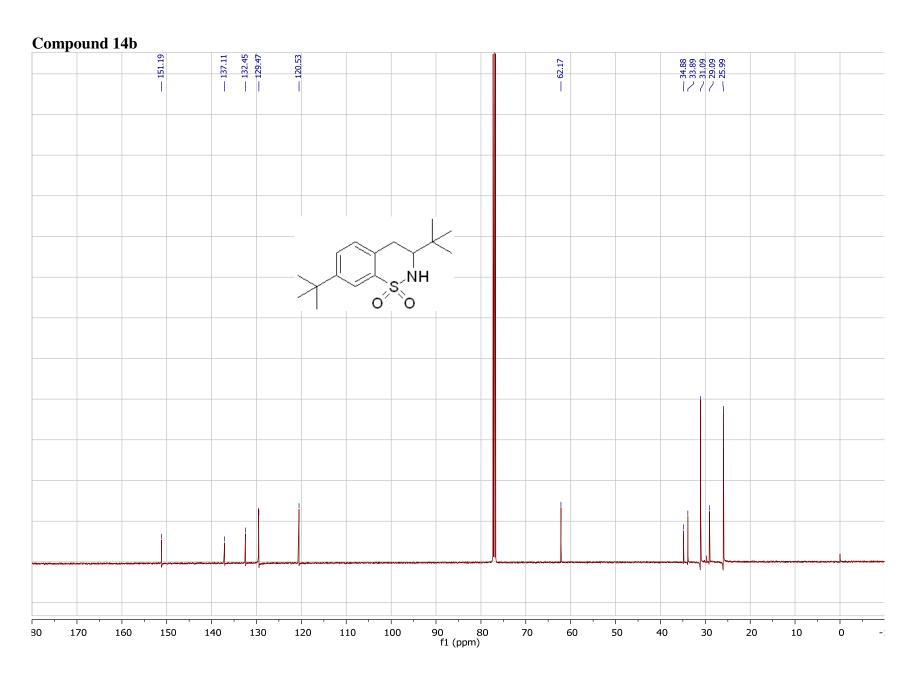


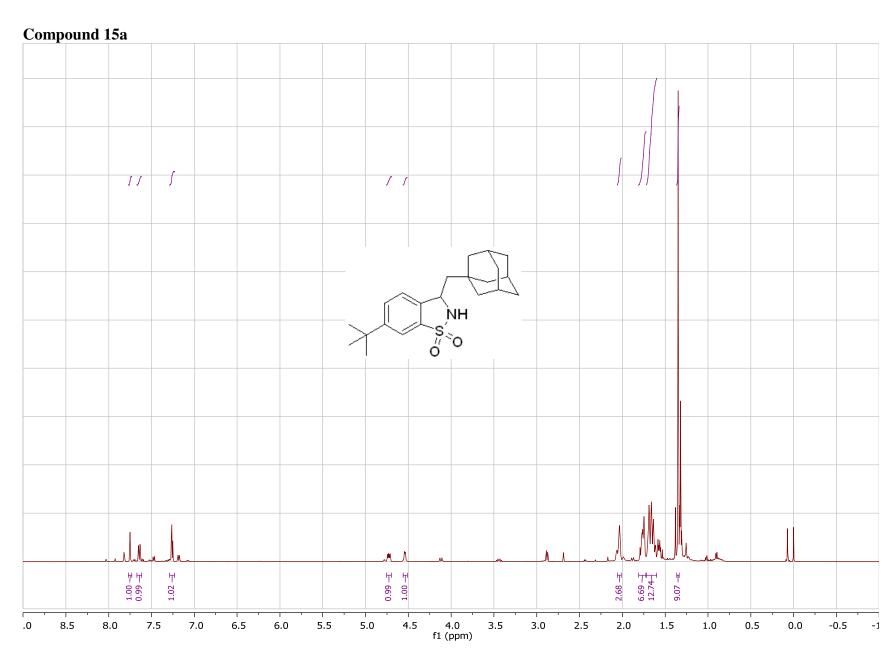


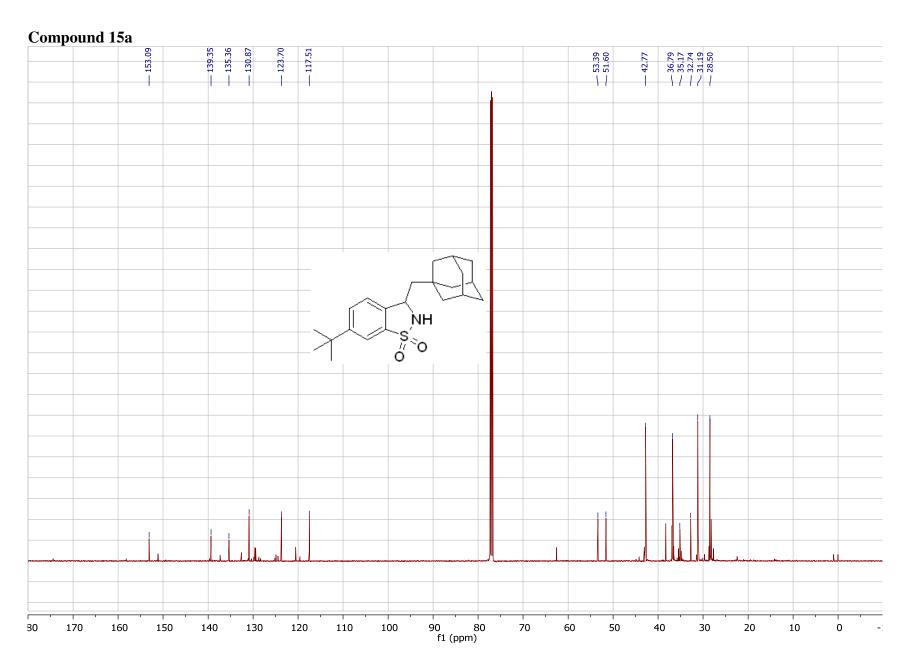


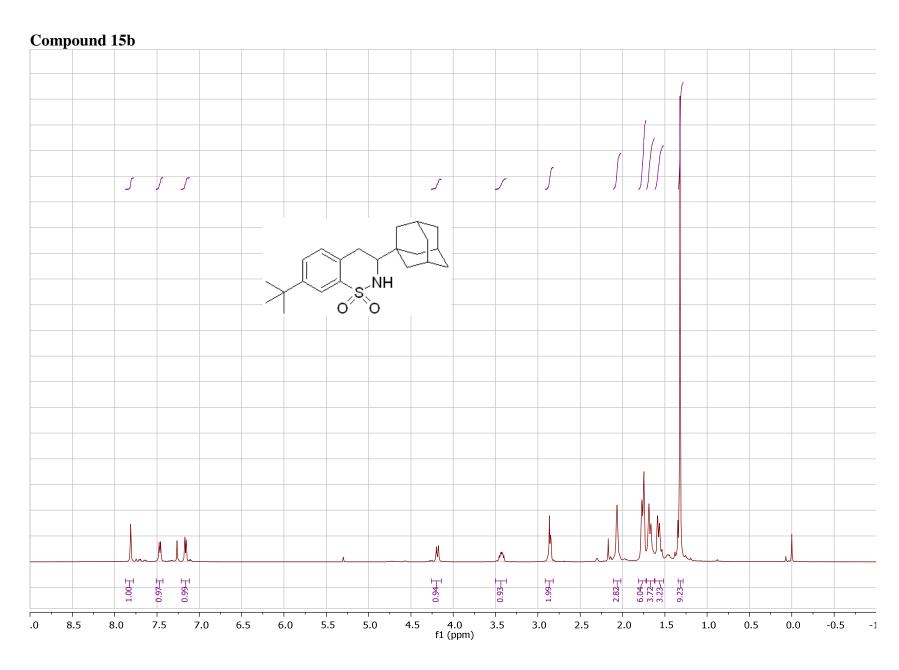


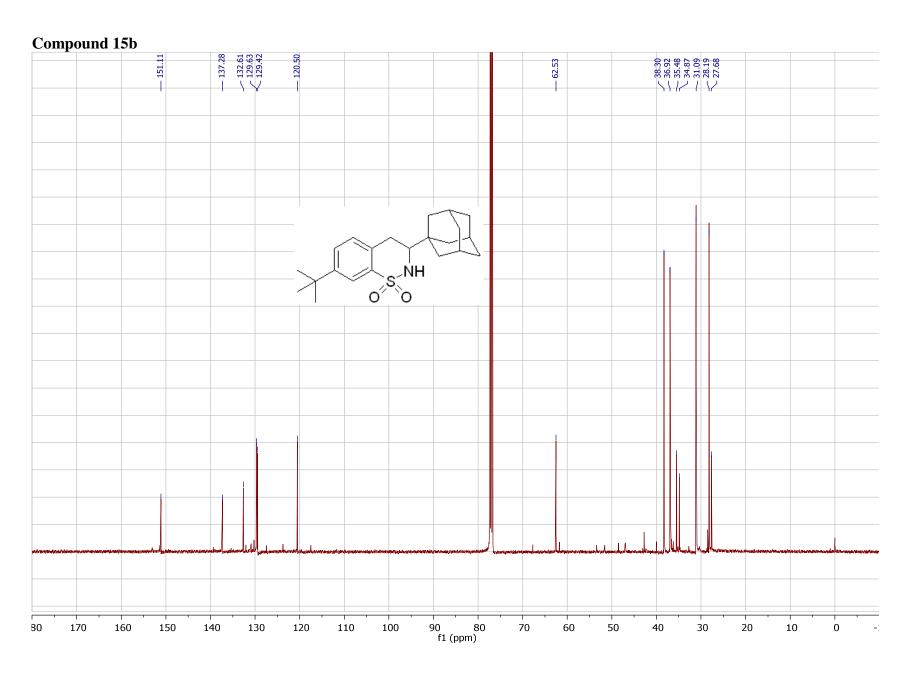


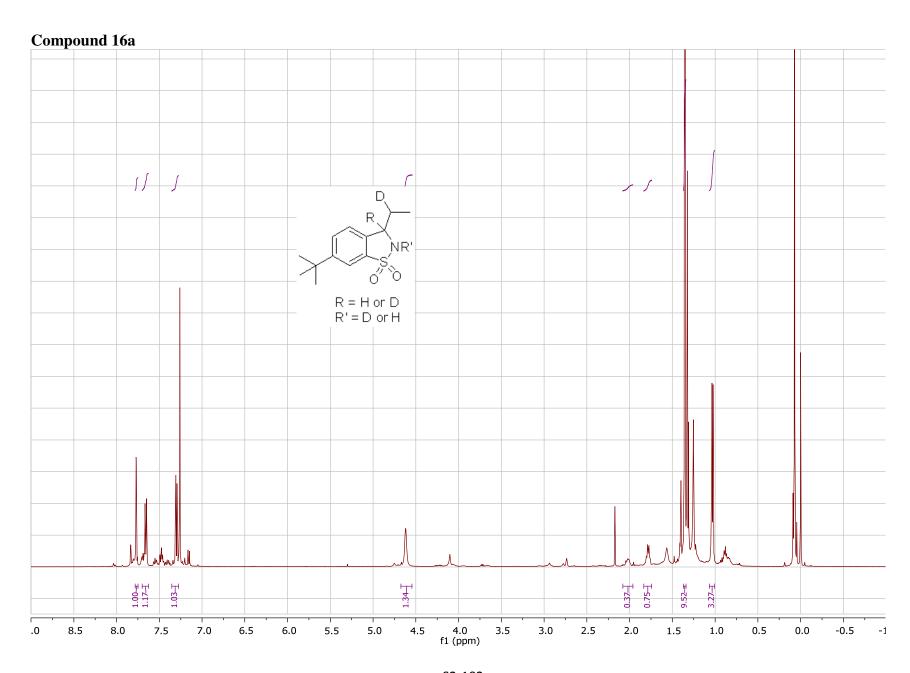


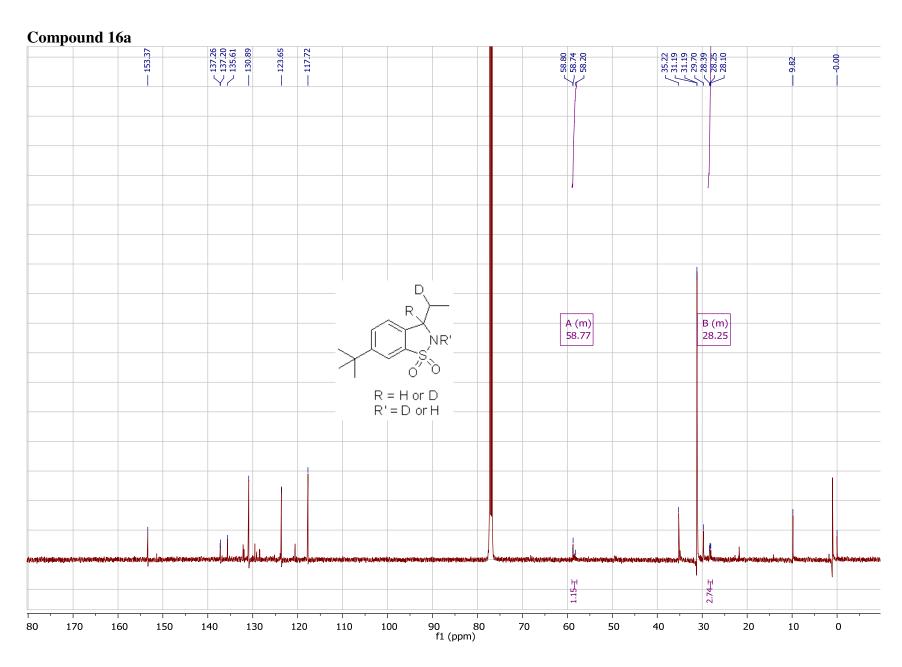


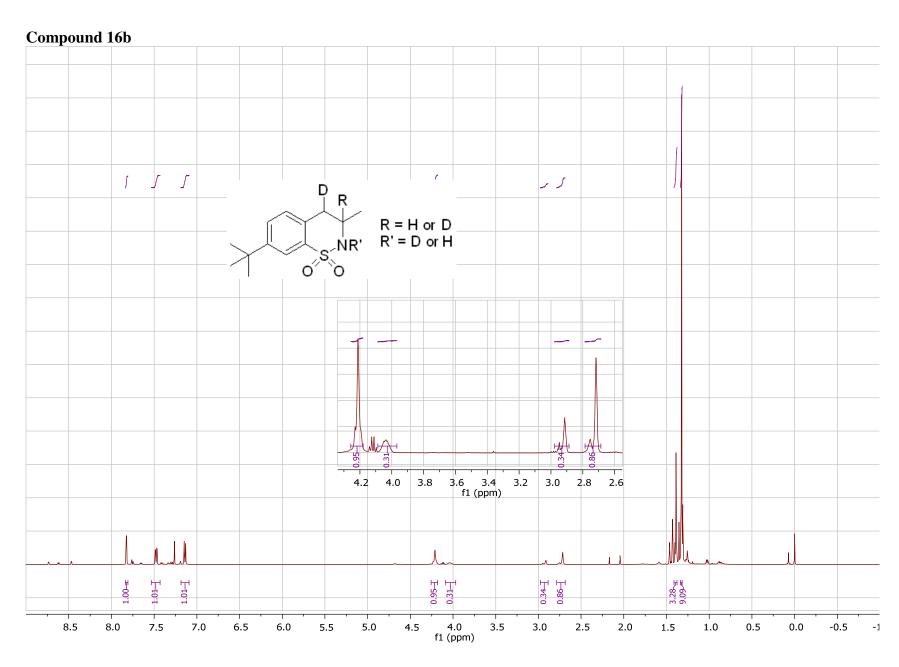












S2-104

