

SUPPORTING INFORMATION

Synthesis of glucose derivatives modified at the 4-OH as potential chain-terminators of cellulose biosynthesis; herbicidal activity of simple monosaccharide derivatives

Emma van Dijkum,^a Ramona Danac,^a David J. Hughes,^b Richard Wood,^b Anne Rees,^b
Brendan L. Wilkinson^a and Antony J. Fairbanks^{c,*}

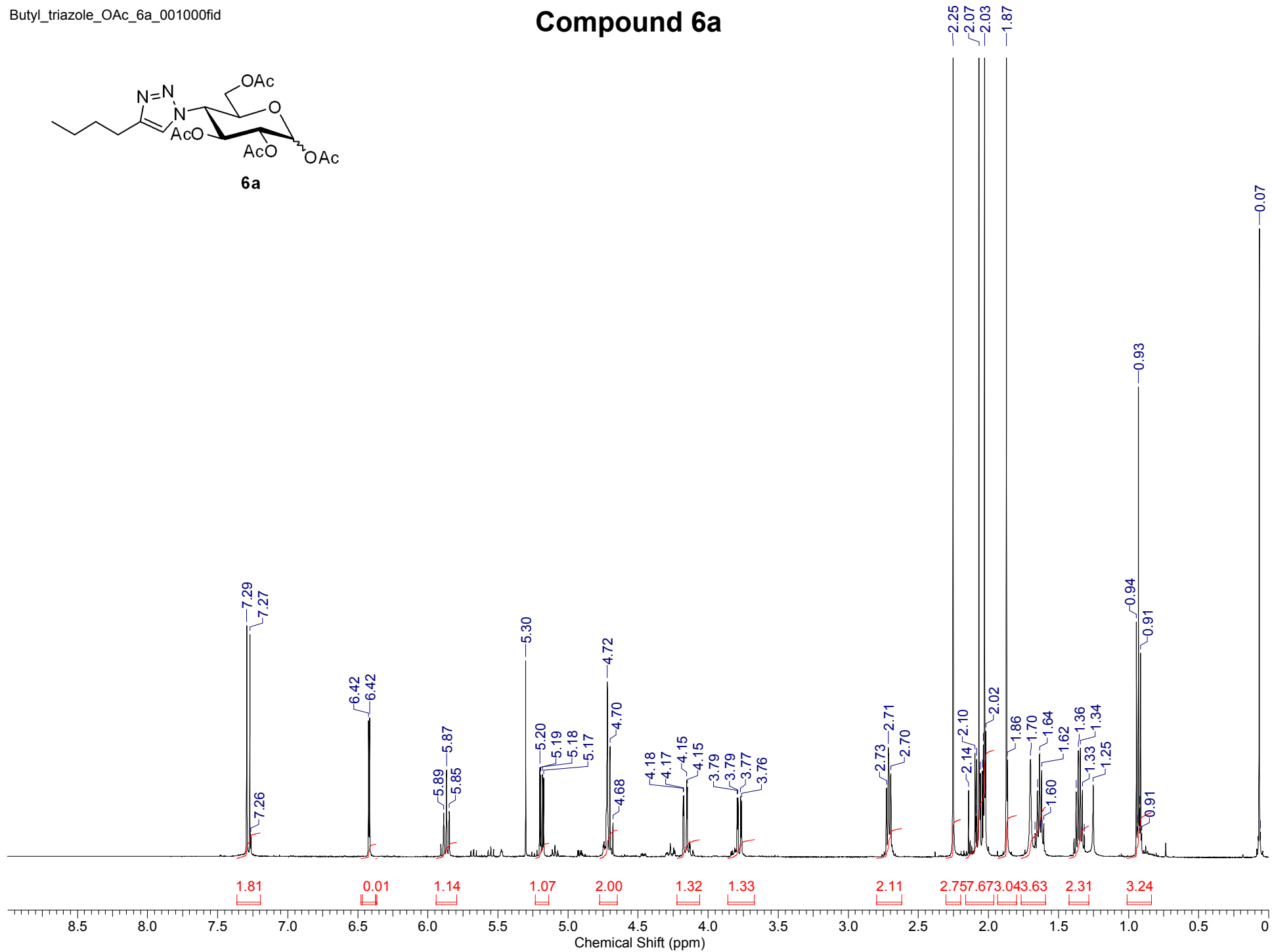
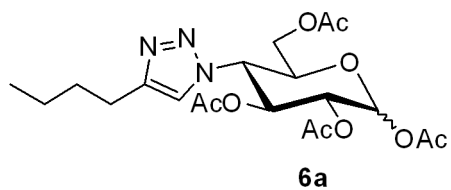
^a *Department of Chemistry, Chemistry Research Laboratory, University of Oxford, Mansfield Road, Oxford, OX1 3TA, UK*

^b *Syngenta Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire RG42 6EY, UK*

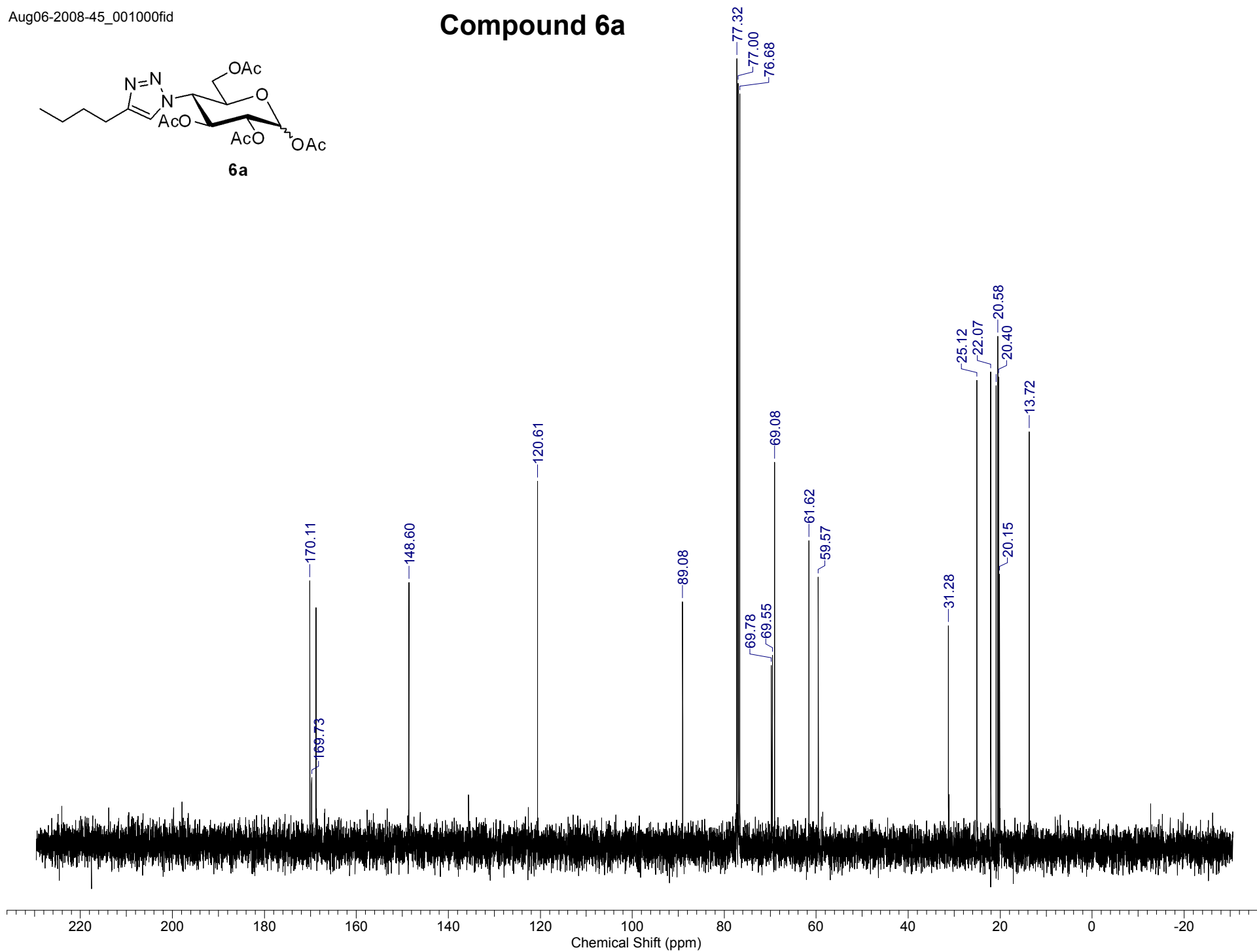
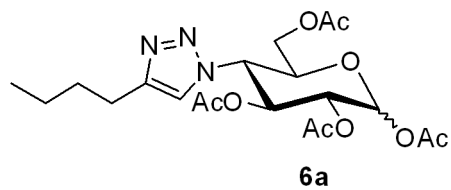
^c *Department of Chemistry, University of Canterbury, Private Bag 4800, Christchurch, New Zealand*

e-mail: antony.fairbanks@canterbury.ac.nz

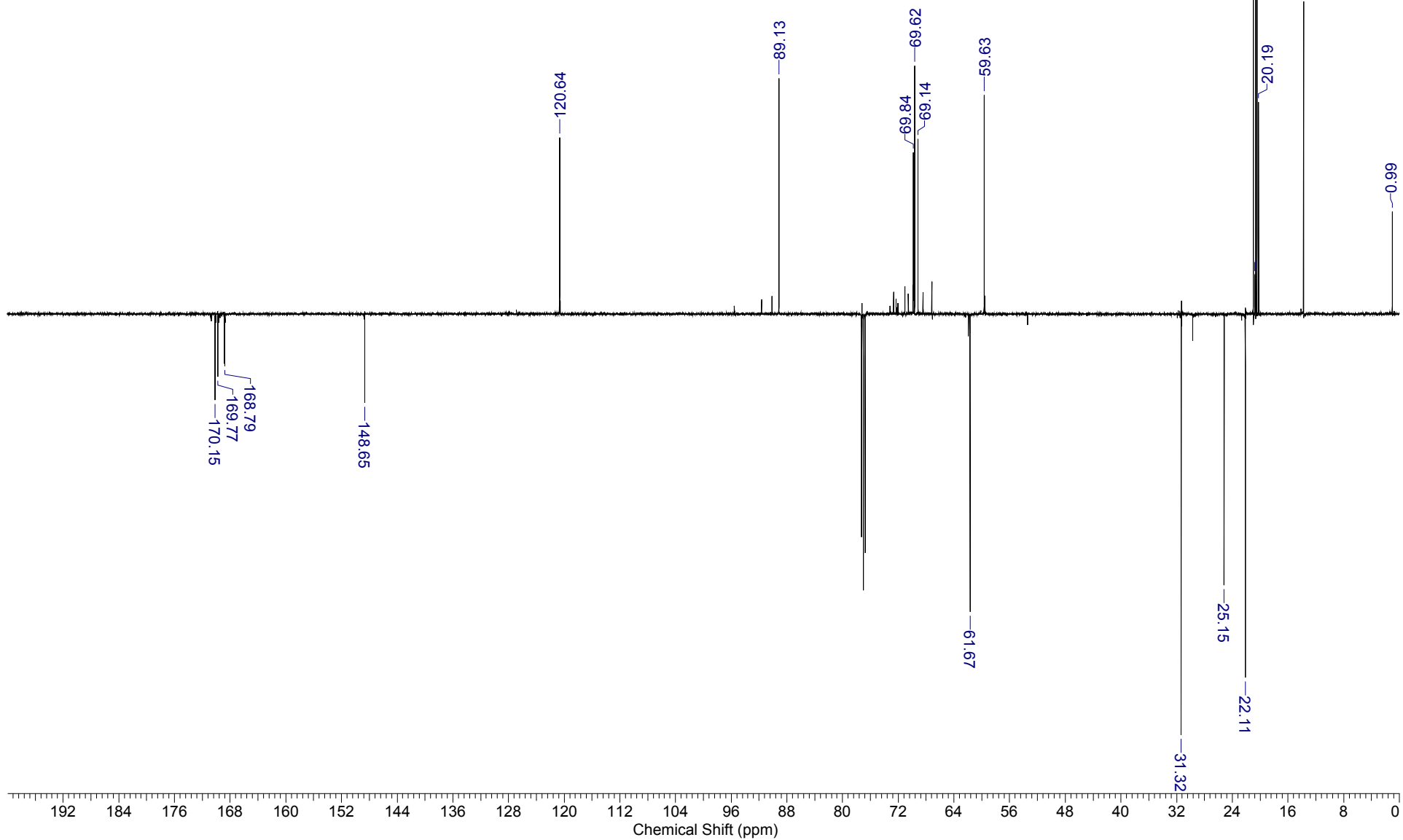
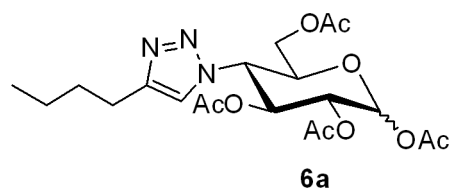
Compound 6a



Compound 6a

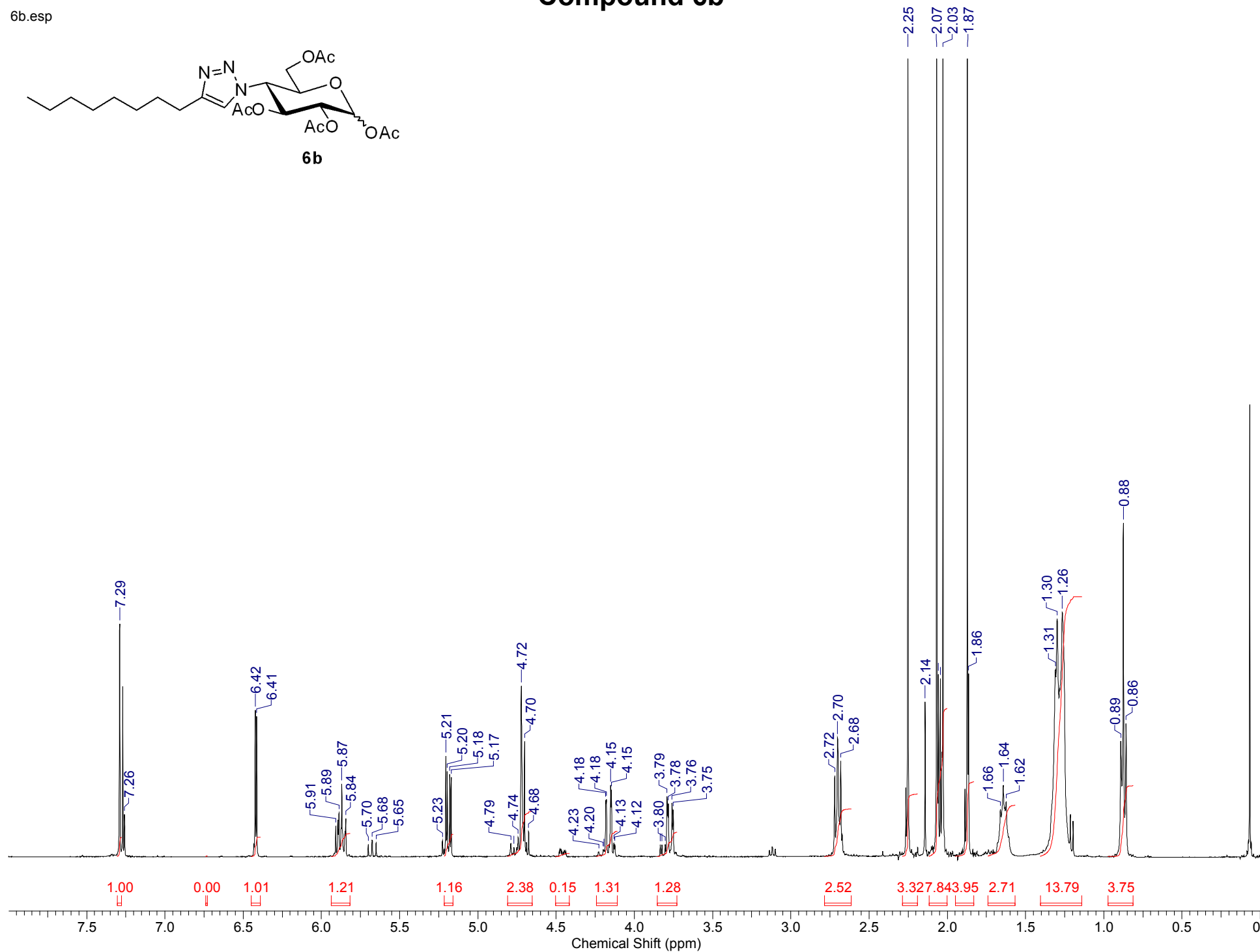
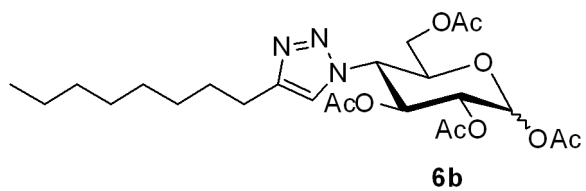


Compound 6a

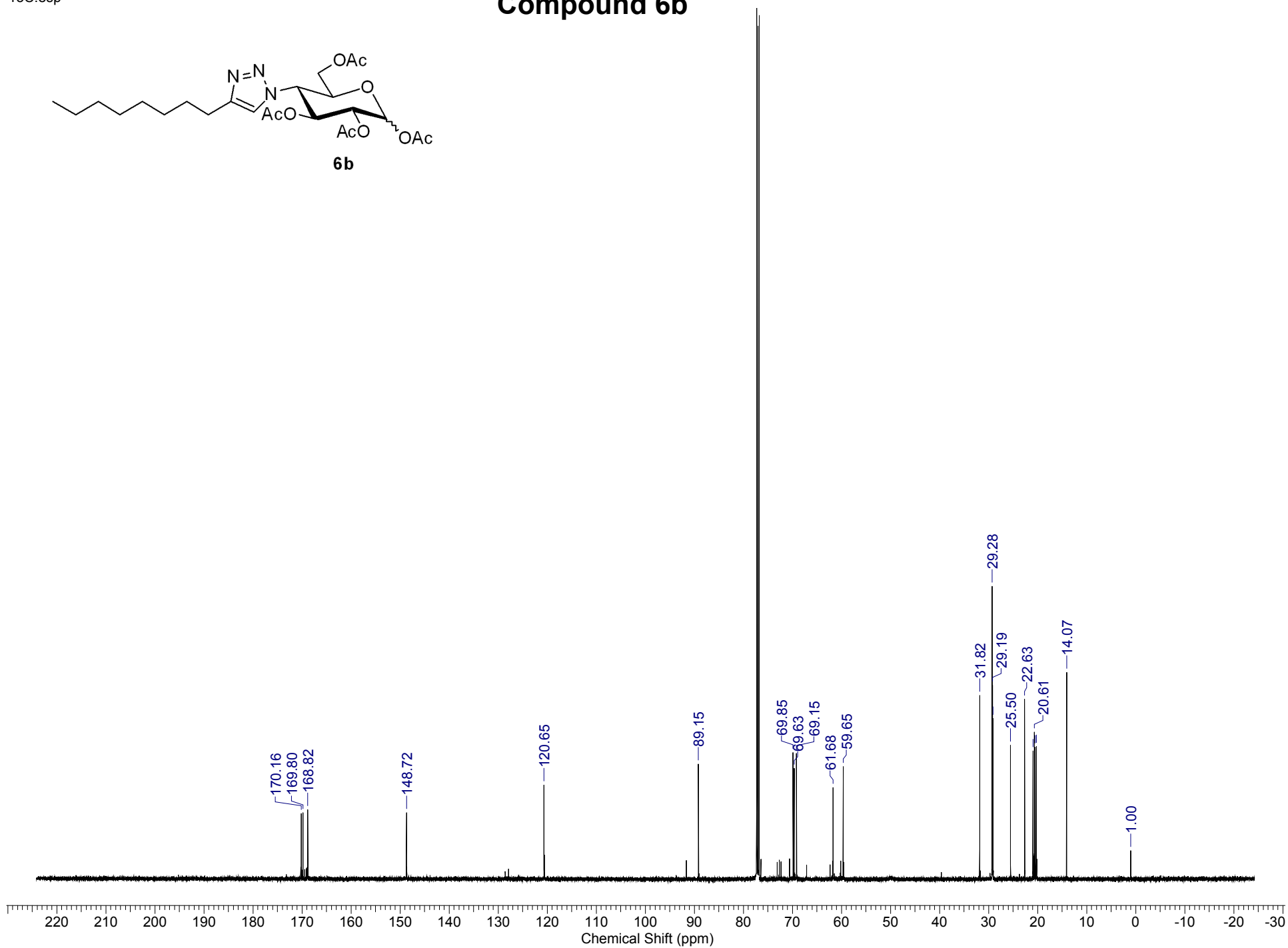
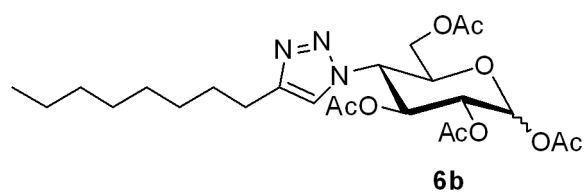


6b.esp

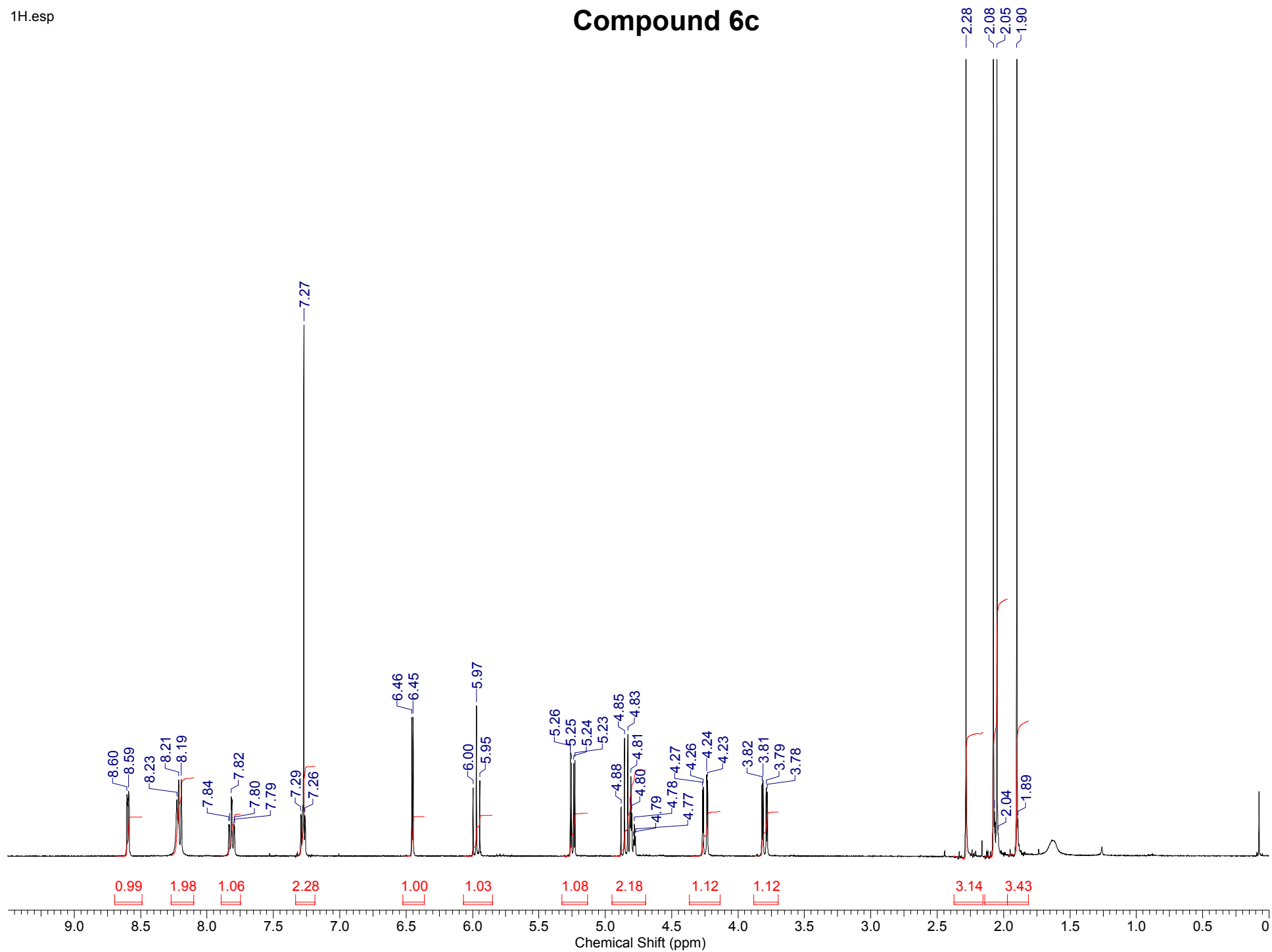
Compound 6b



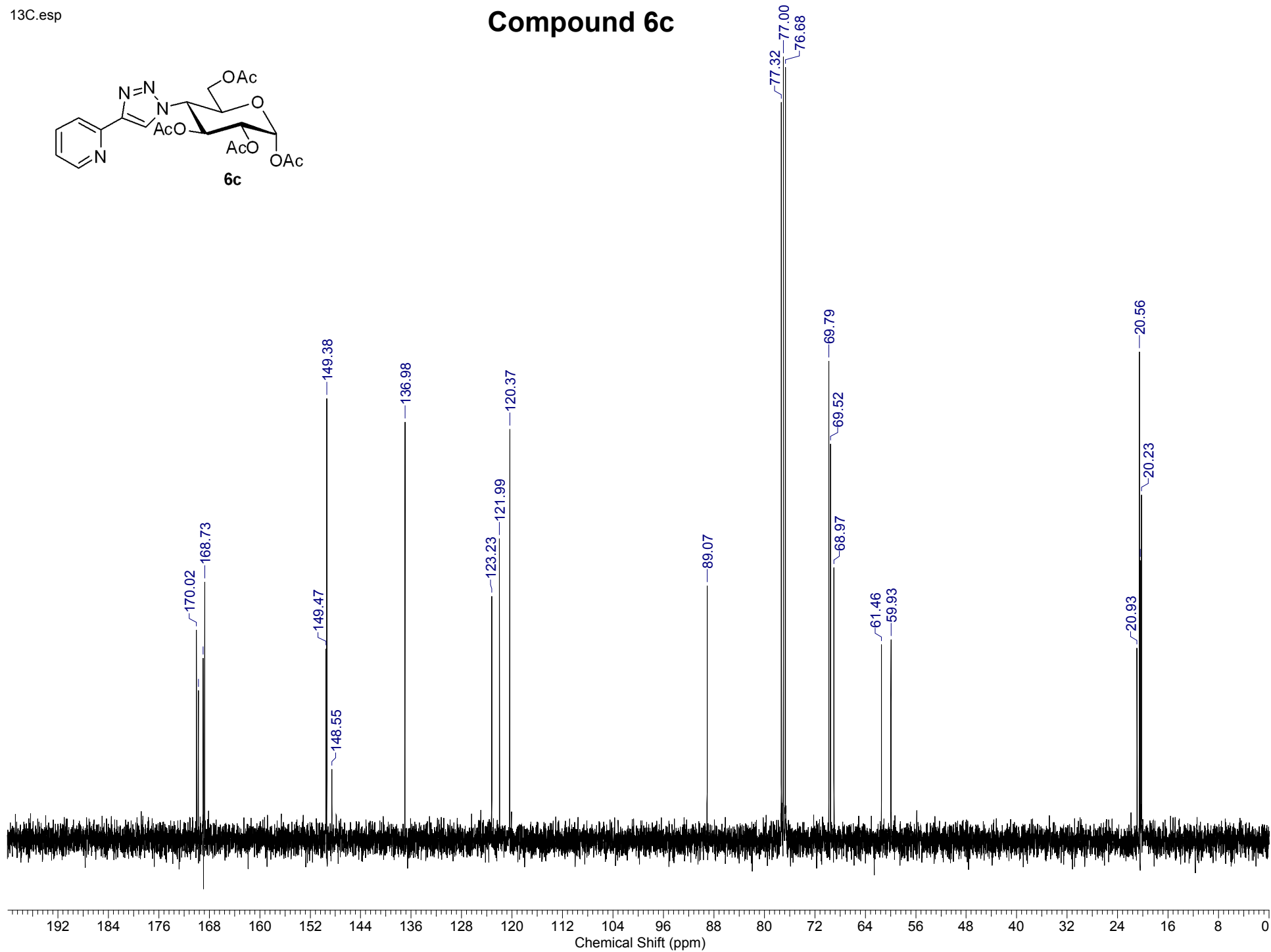
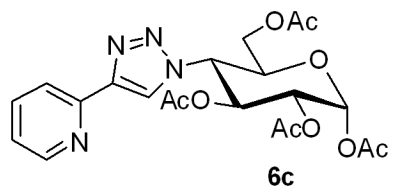
Compound 6b



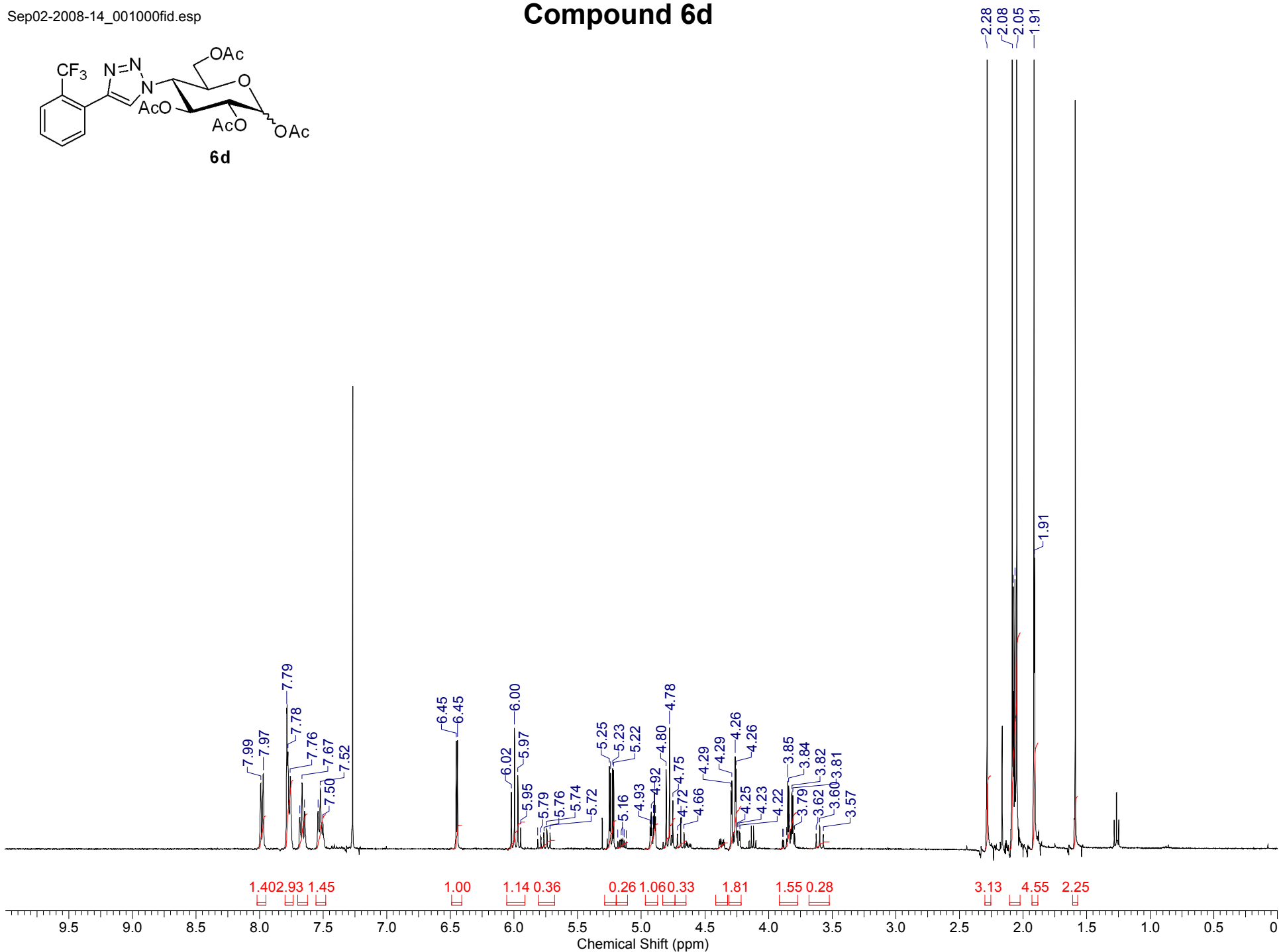
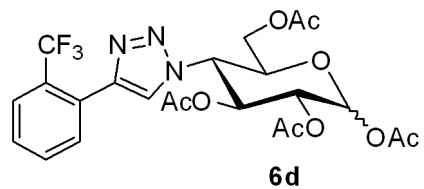
Compound 6c



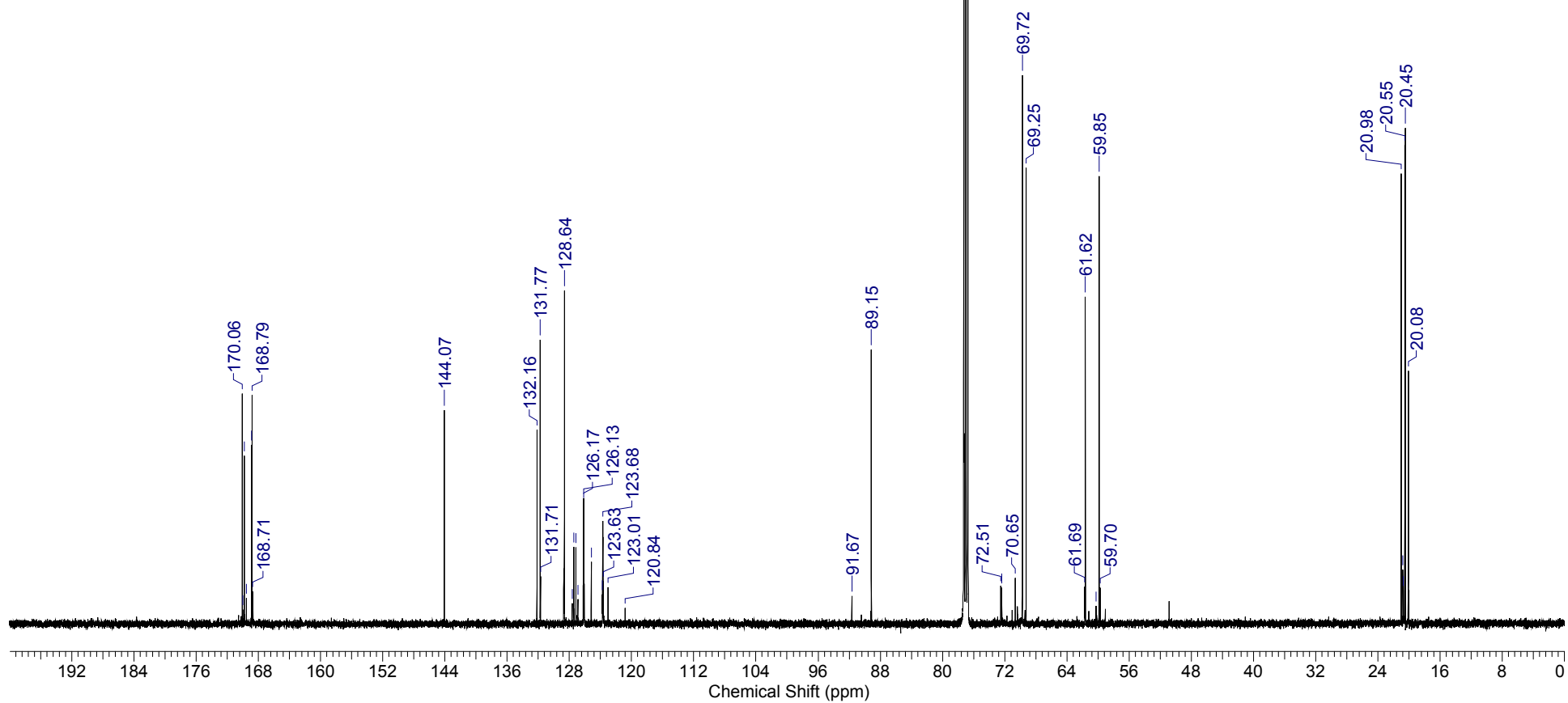
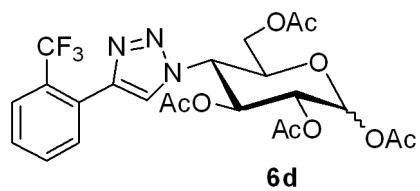
Compound 6c



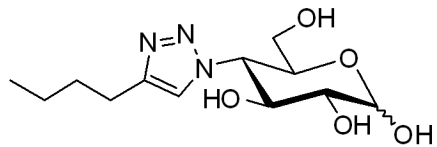
Compound 6d



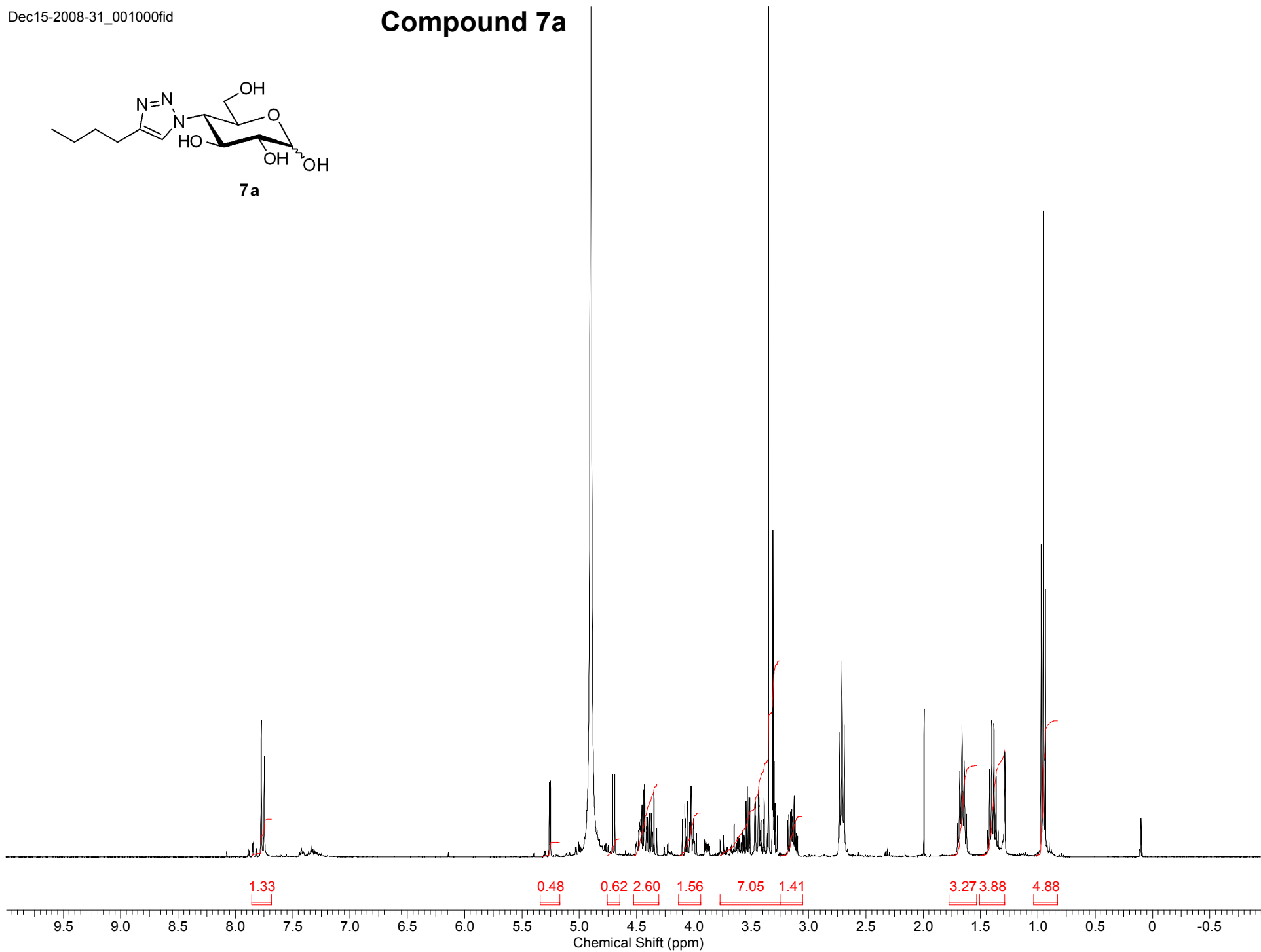
Compound 6d



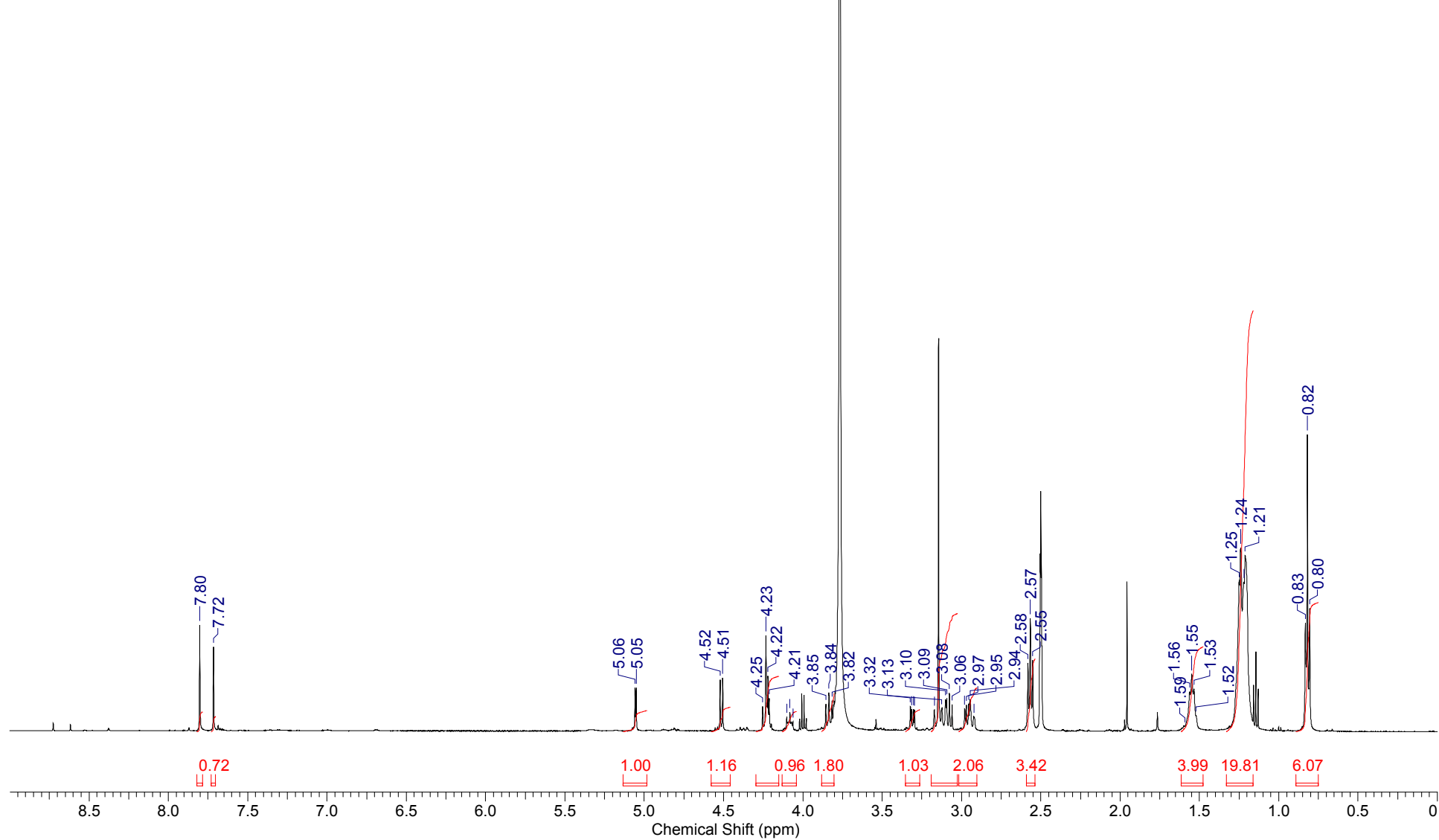
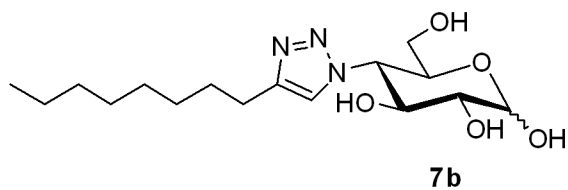
Compound 7a



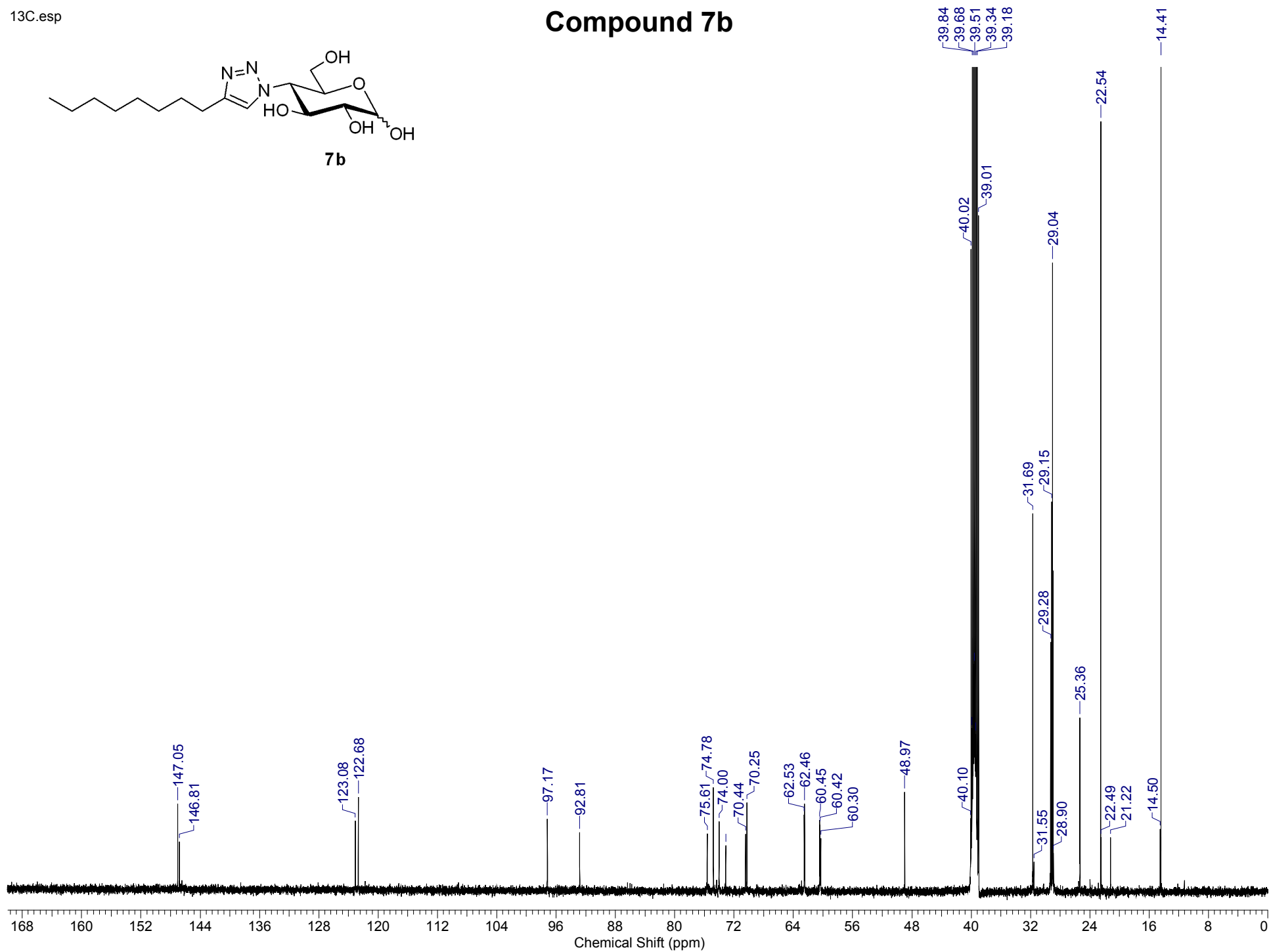
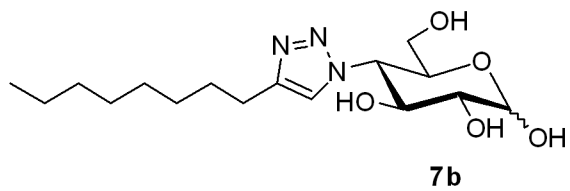
7a



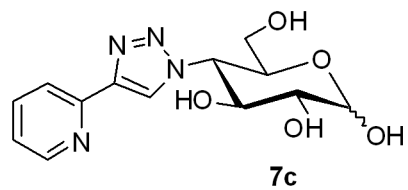
Compound 7b



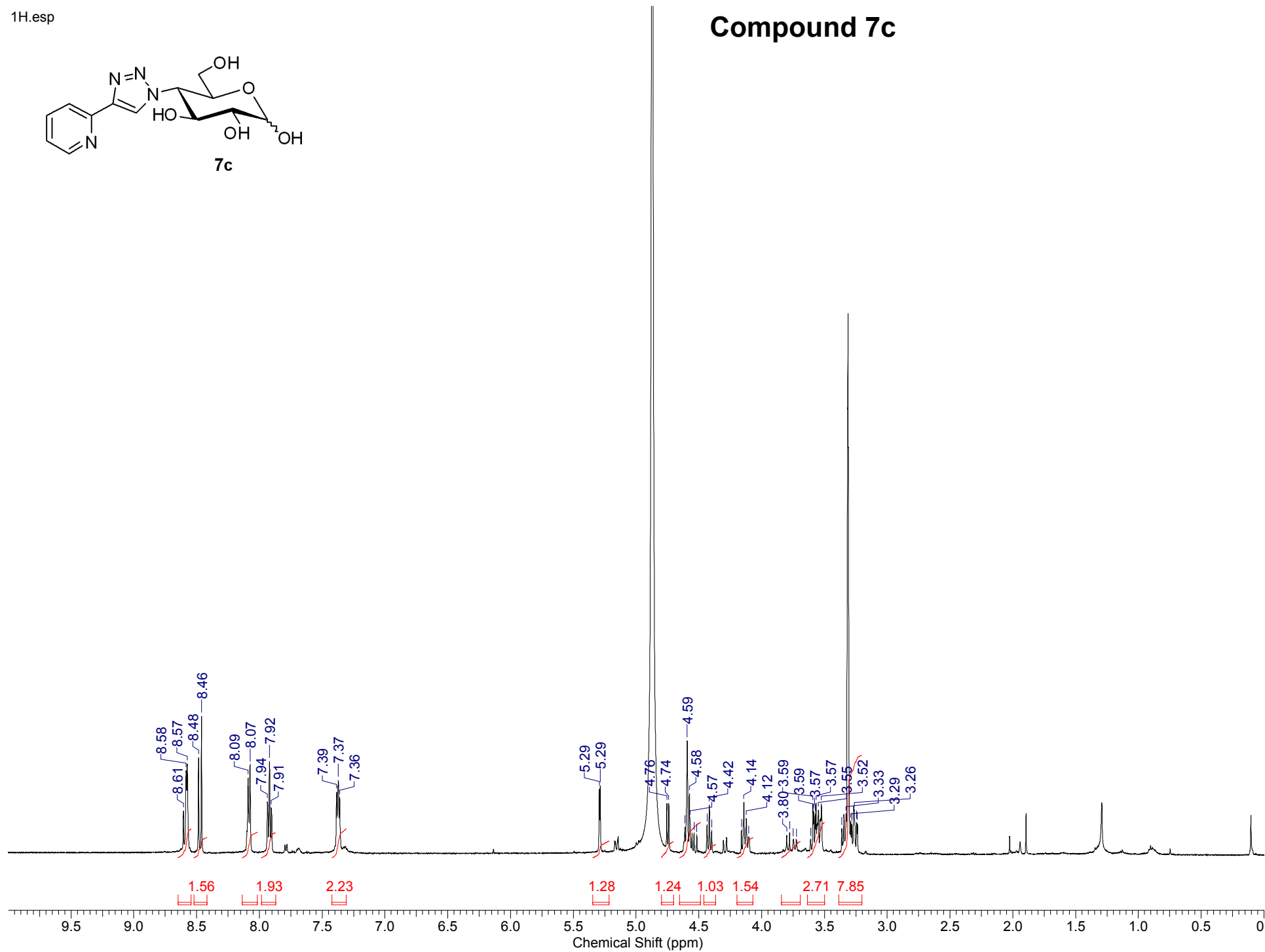
Compound 7b



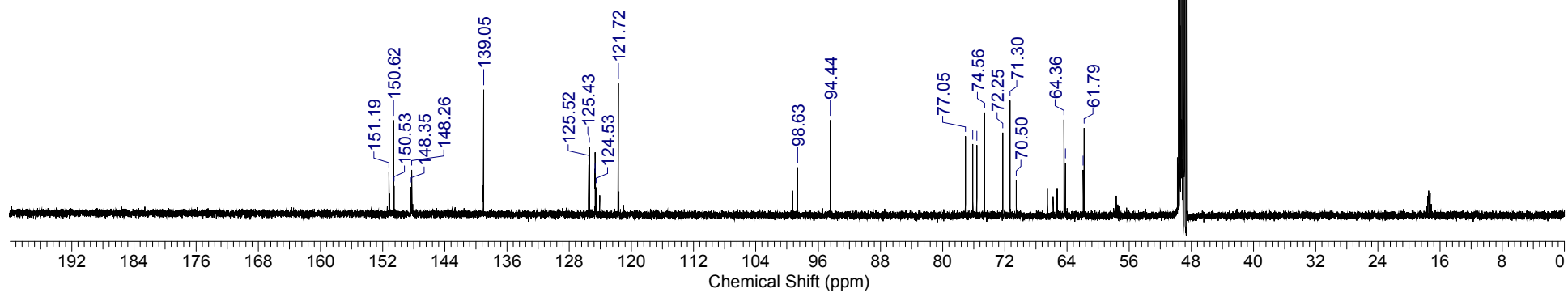
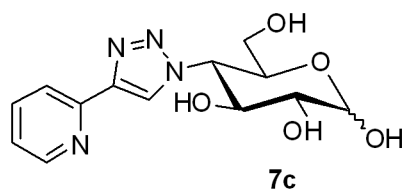
1H.esp



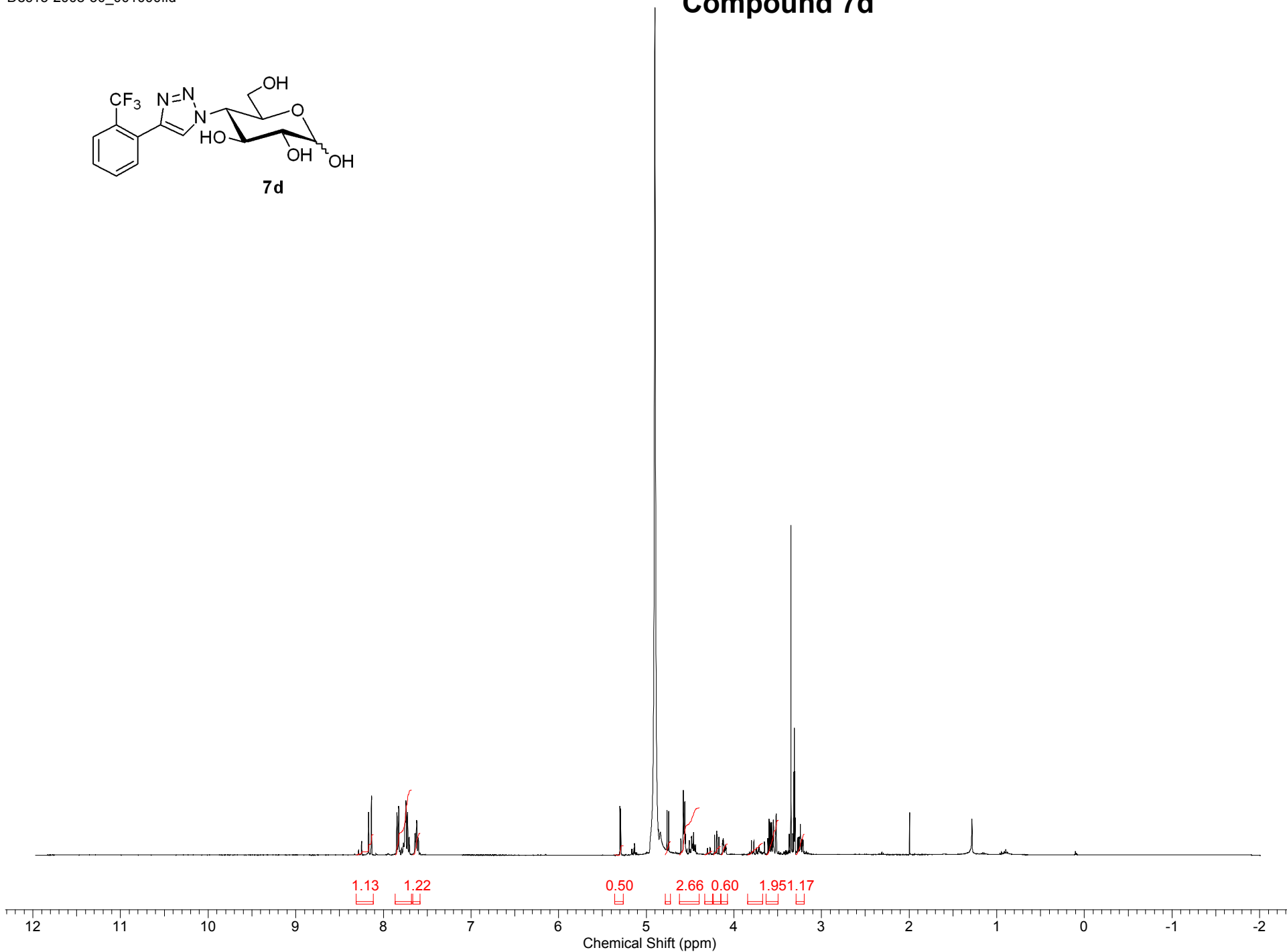
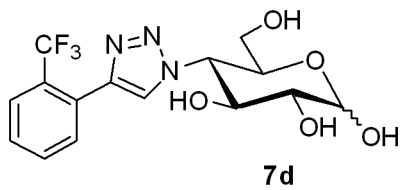
Compound 7c



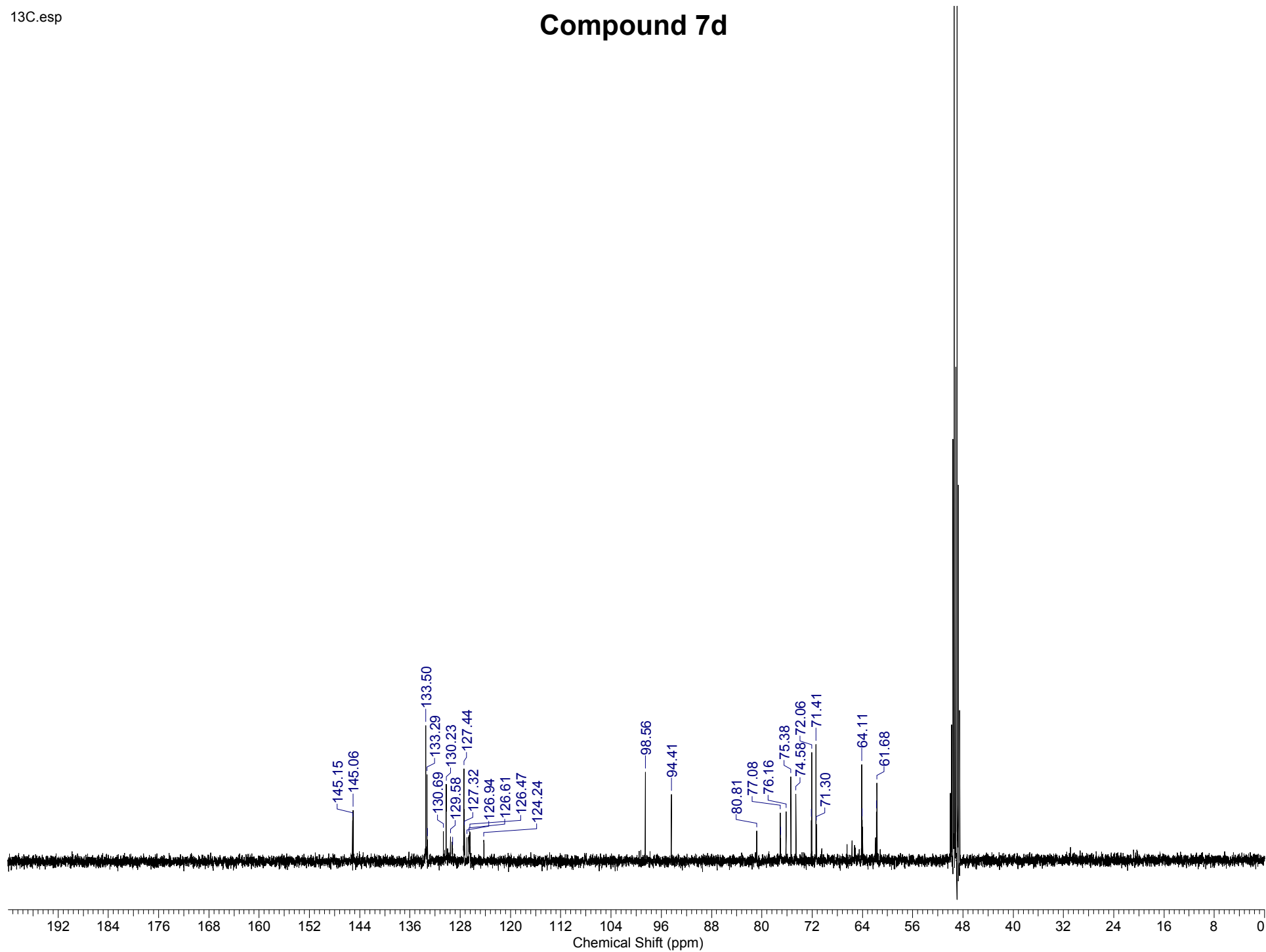
Compound 7c



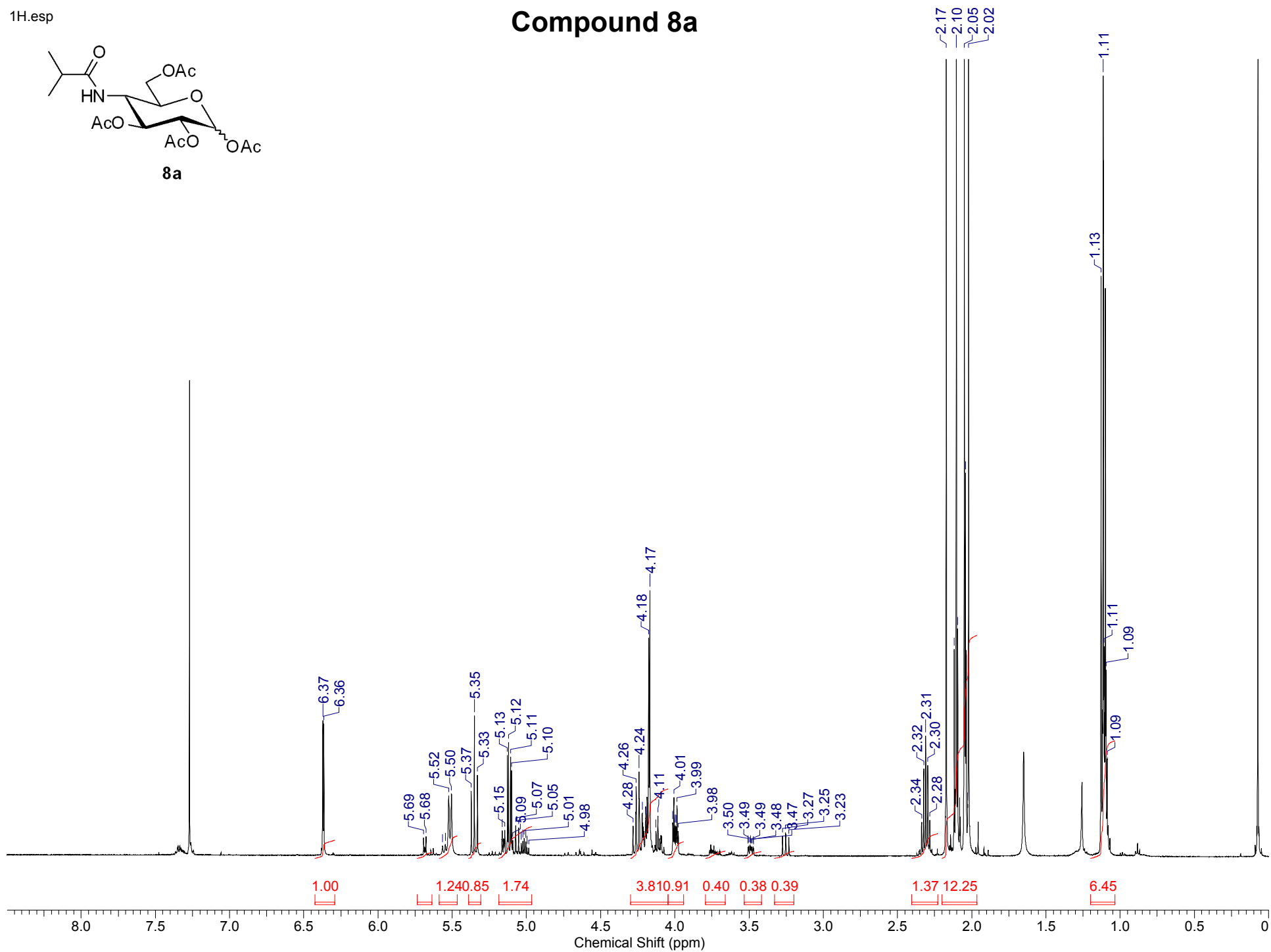
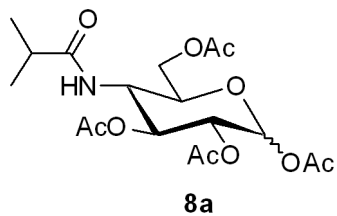
Compound 7d



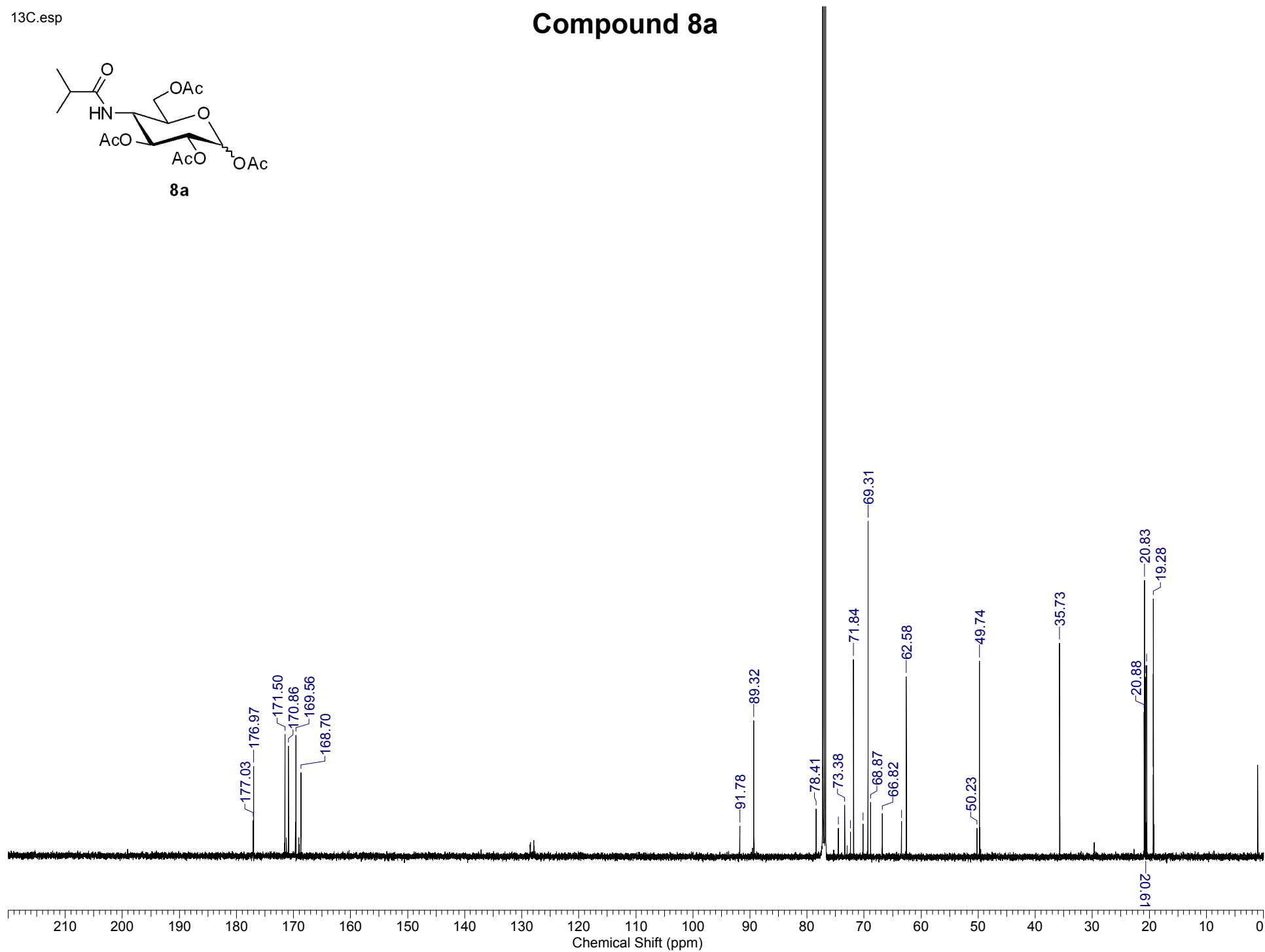
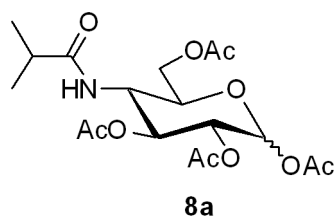
Compound 7d



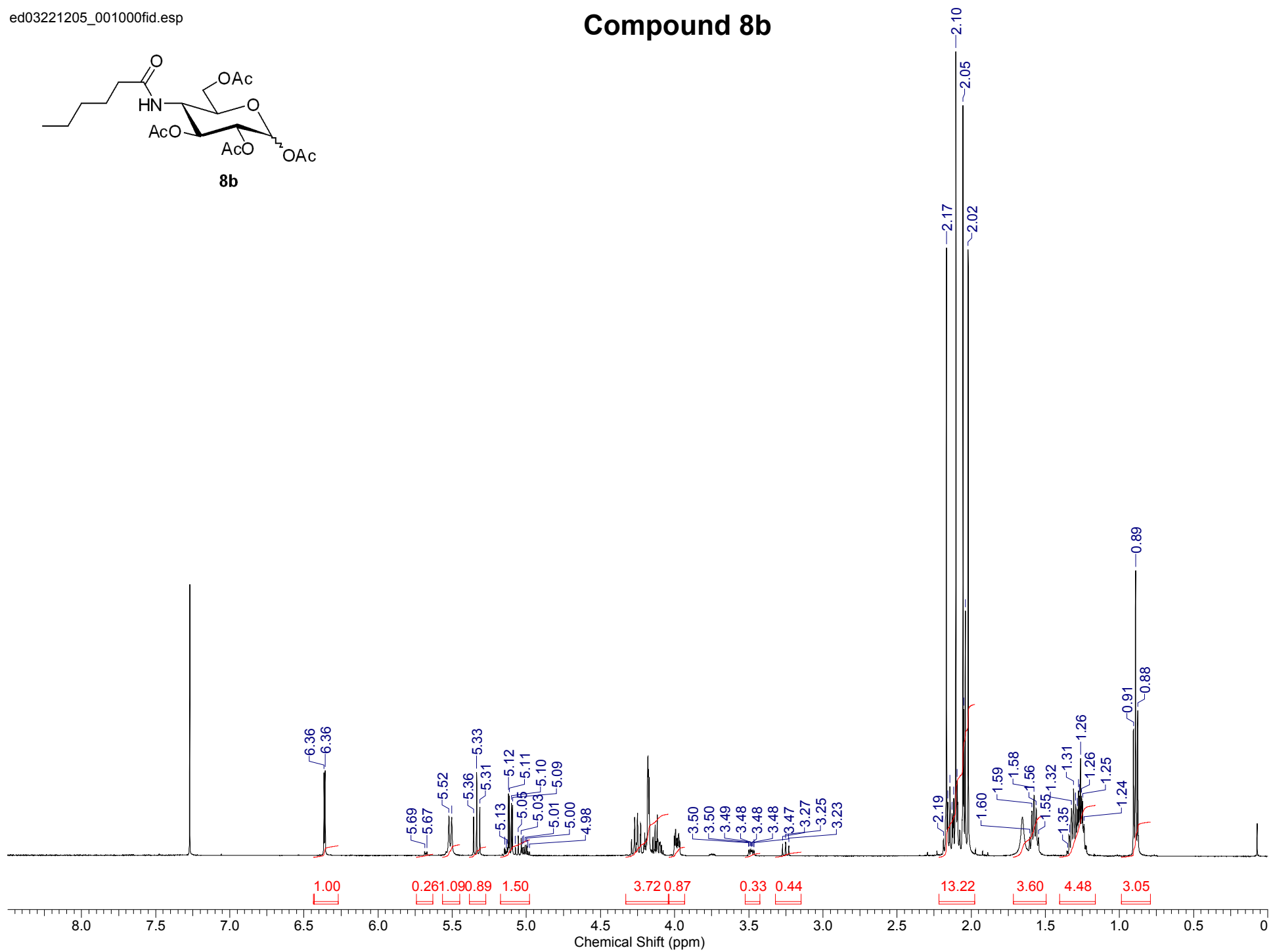
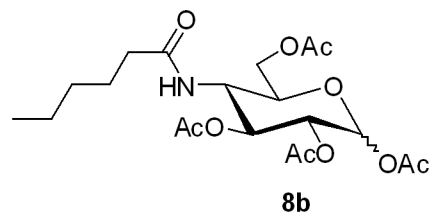
Compound 8a



Compound 8a

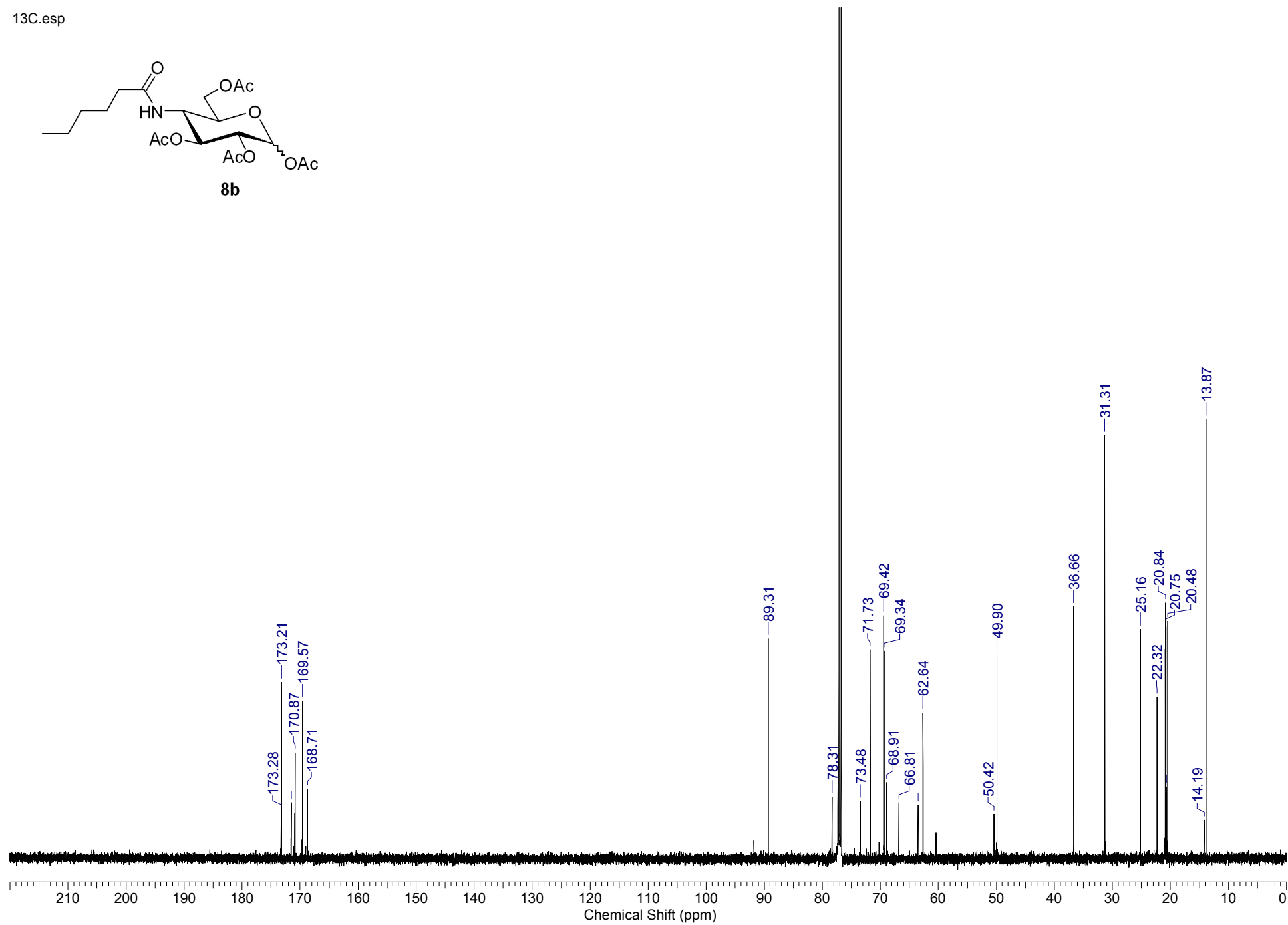
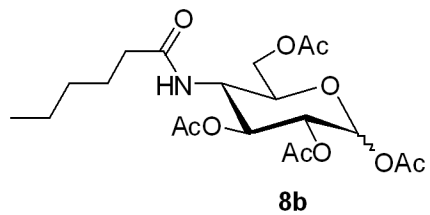


Compound 8b



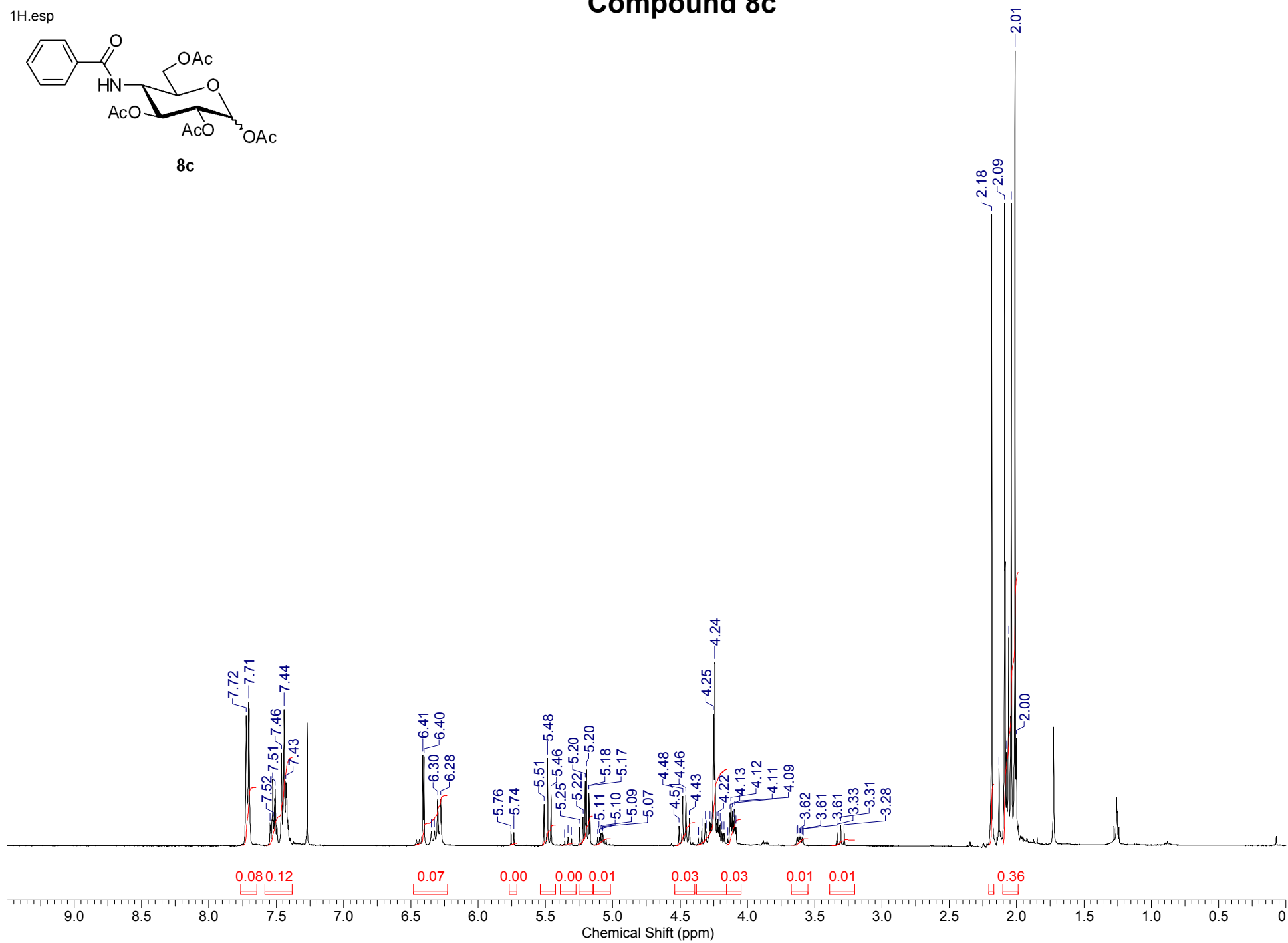
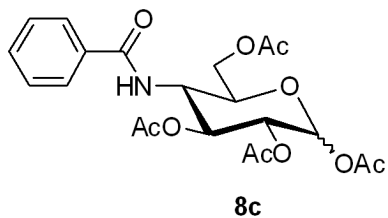
Compound 8b

13C.esp

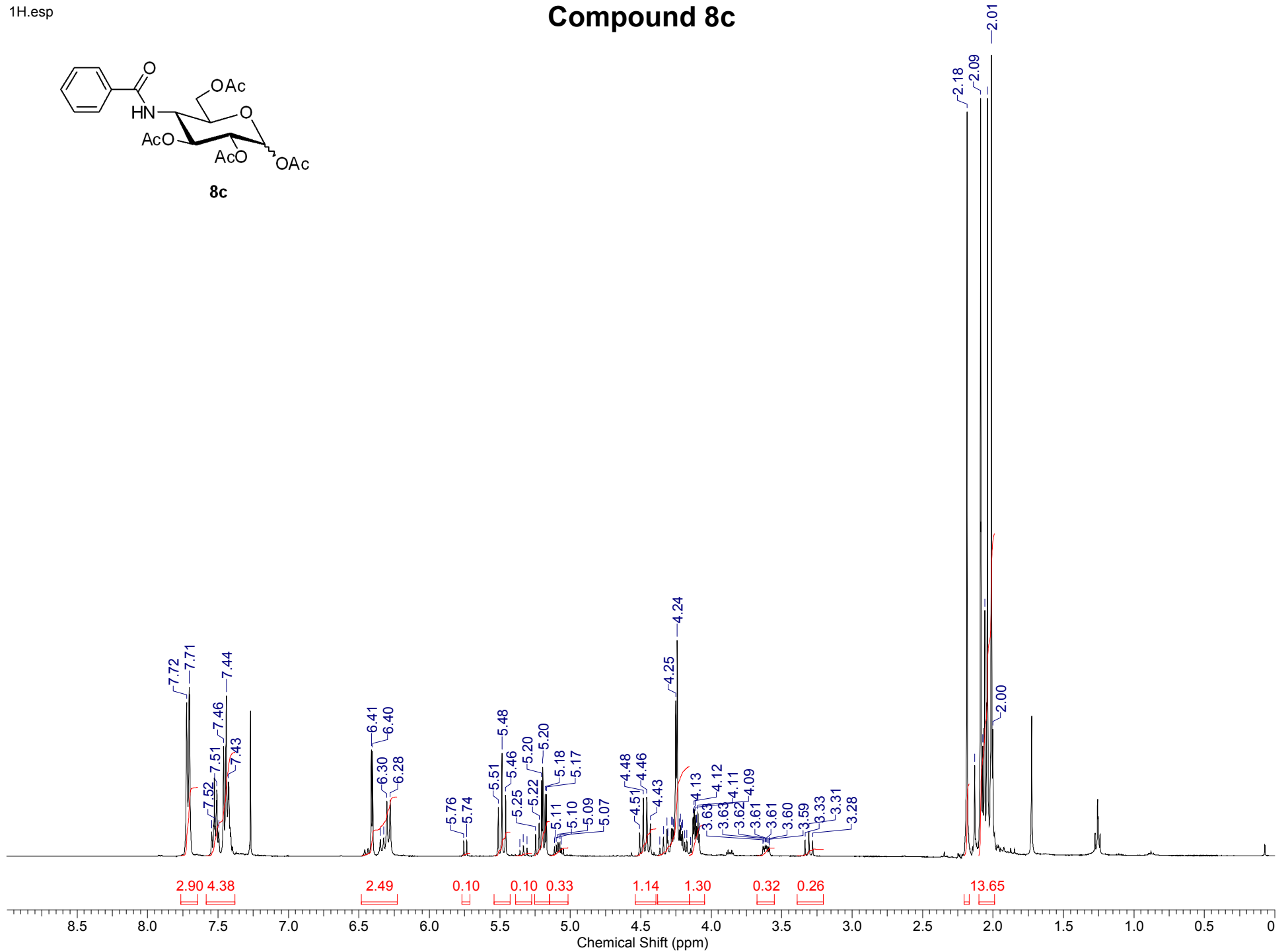
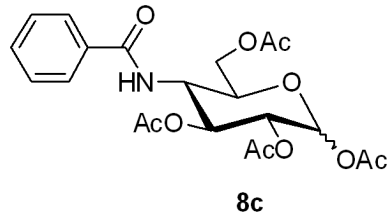


Compound 8c

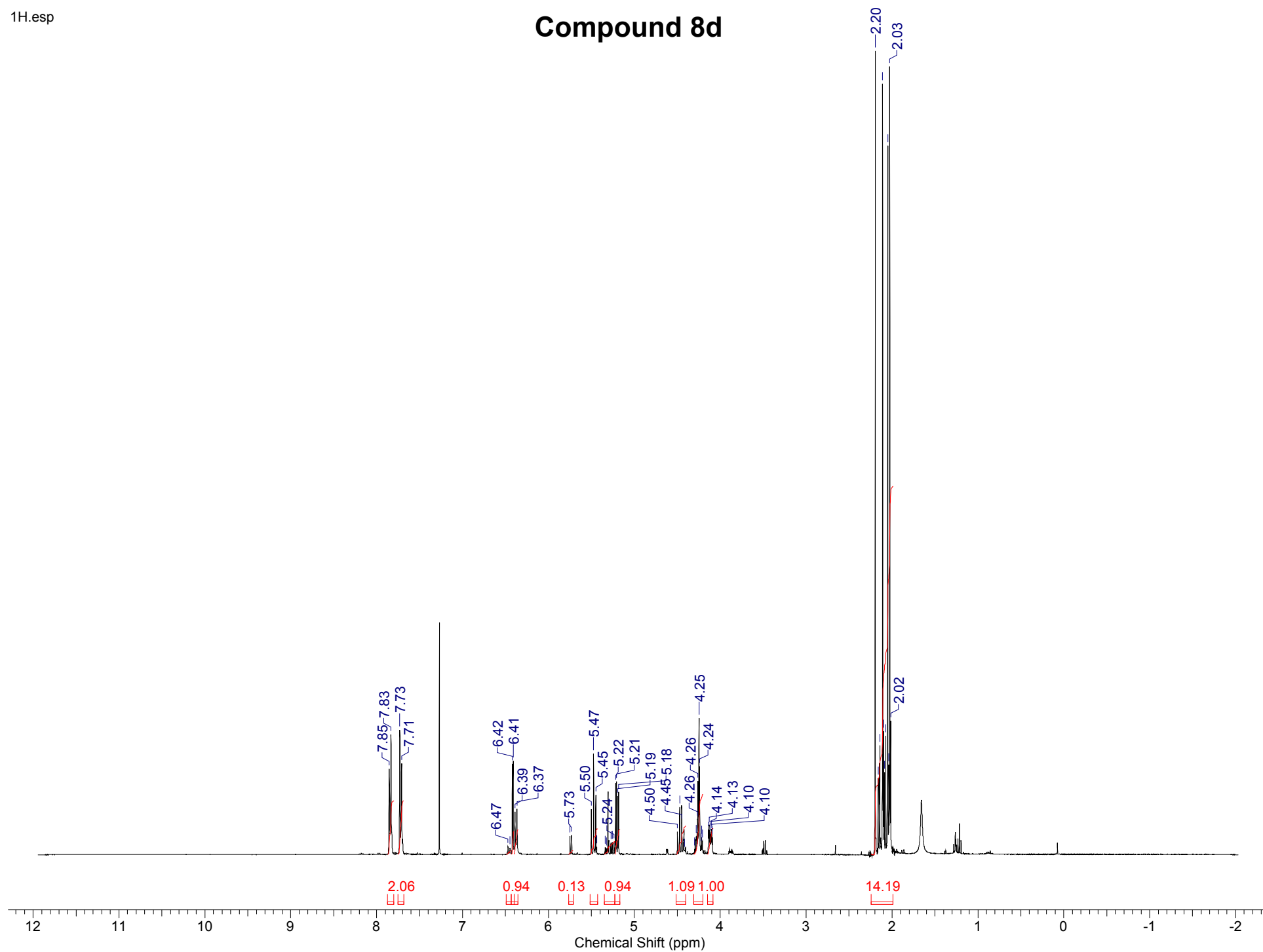
1H.esp



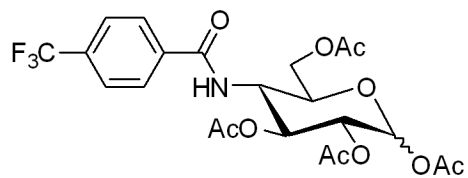
Compound 8c



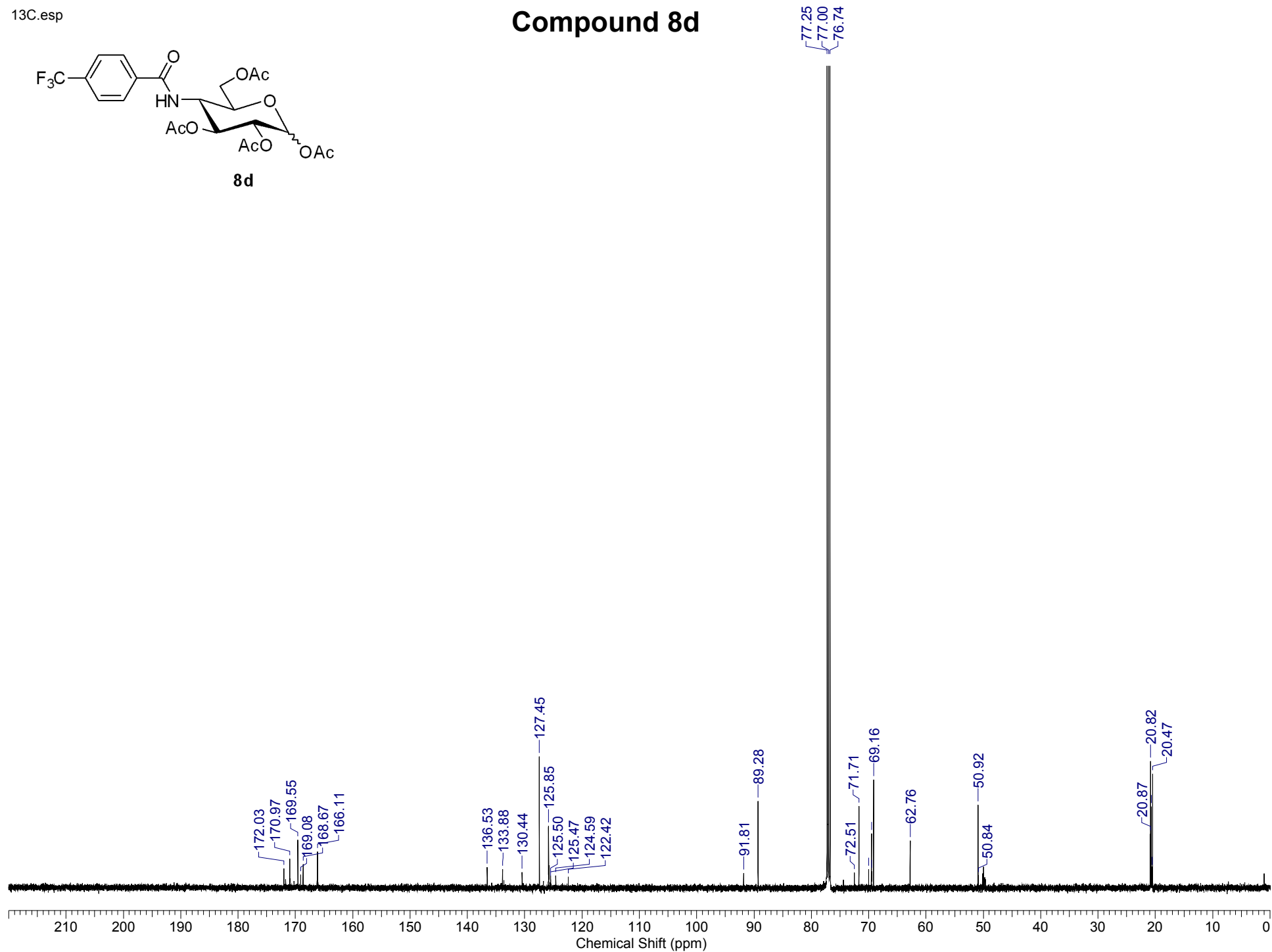
Compound 8d



Compound 8d

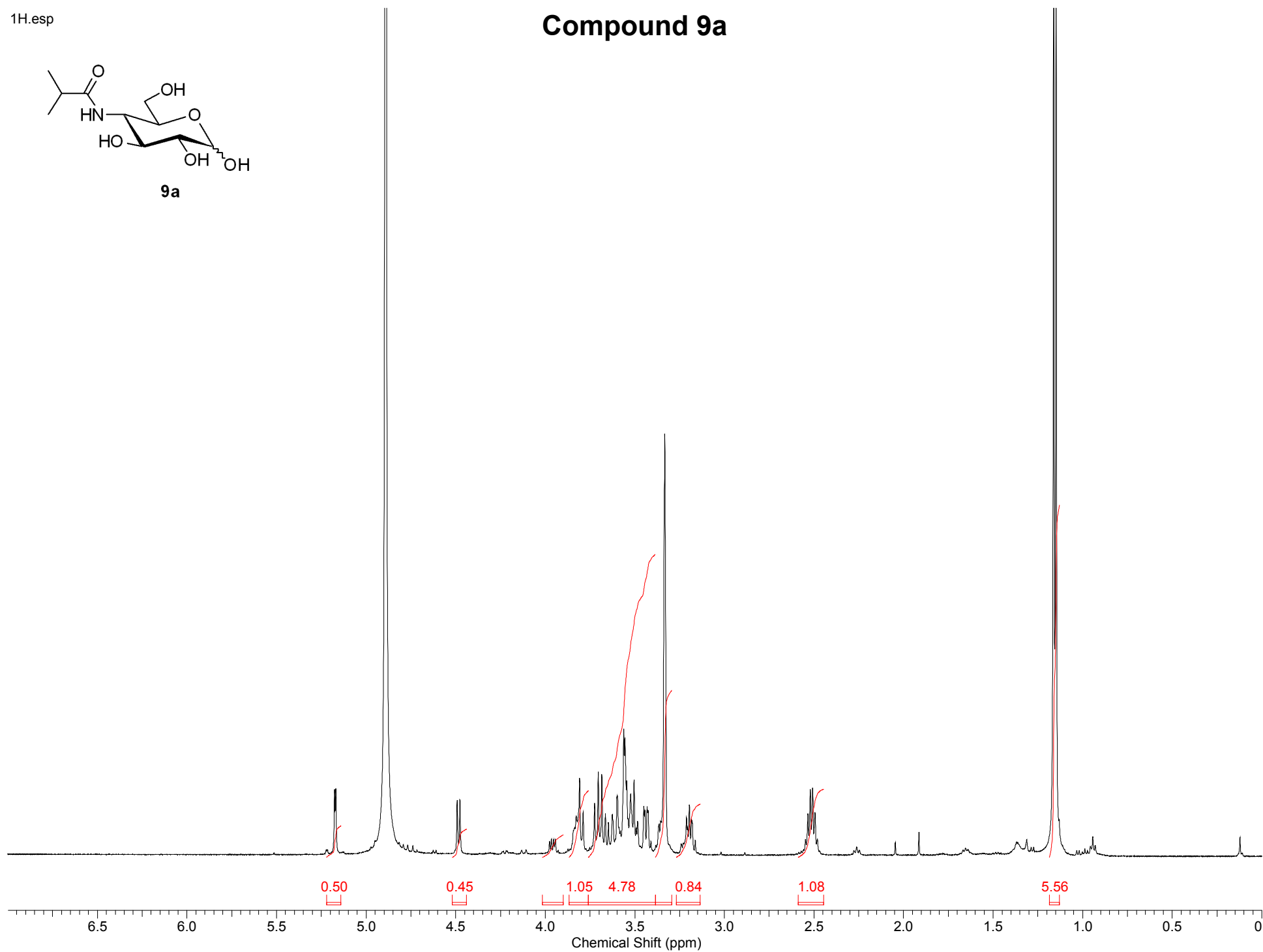
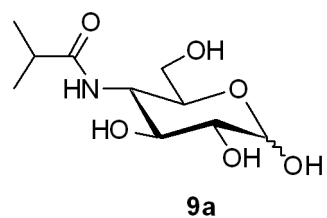


8d

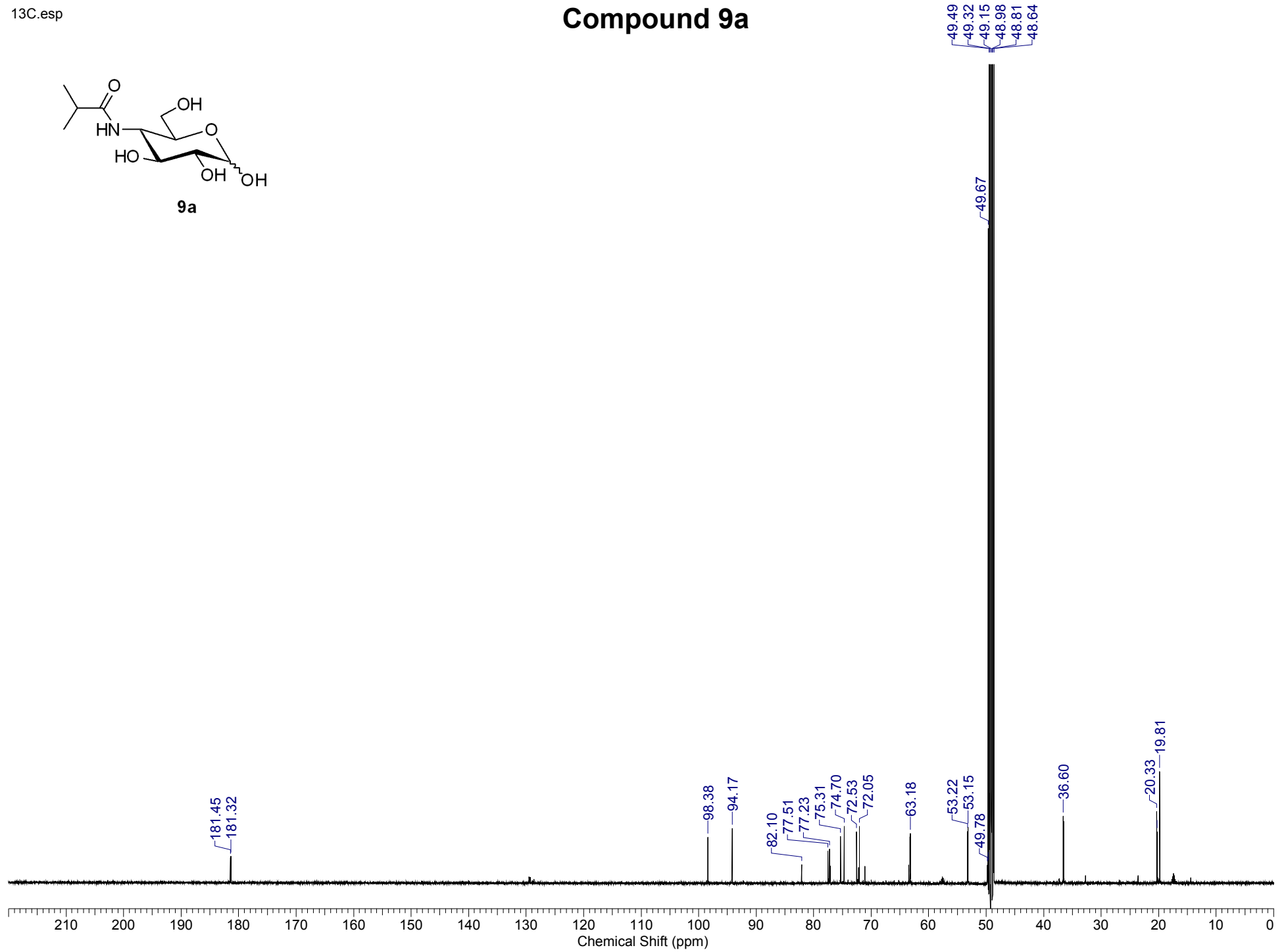
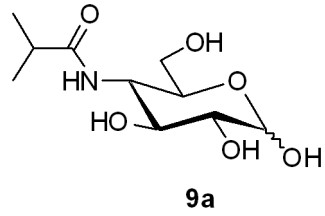


1H.esp

Compound 9a

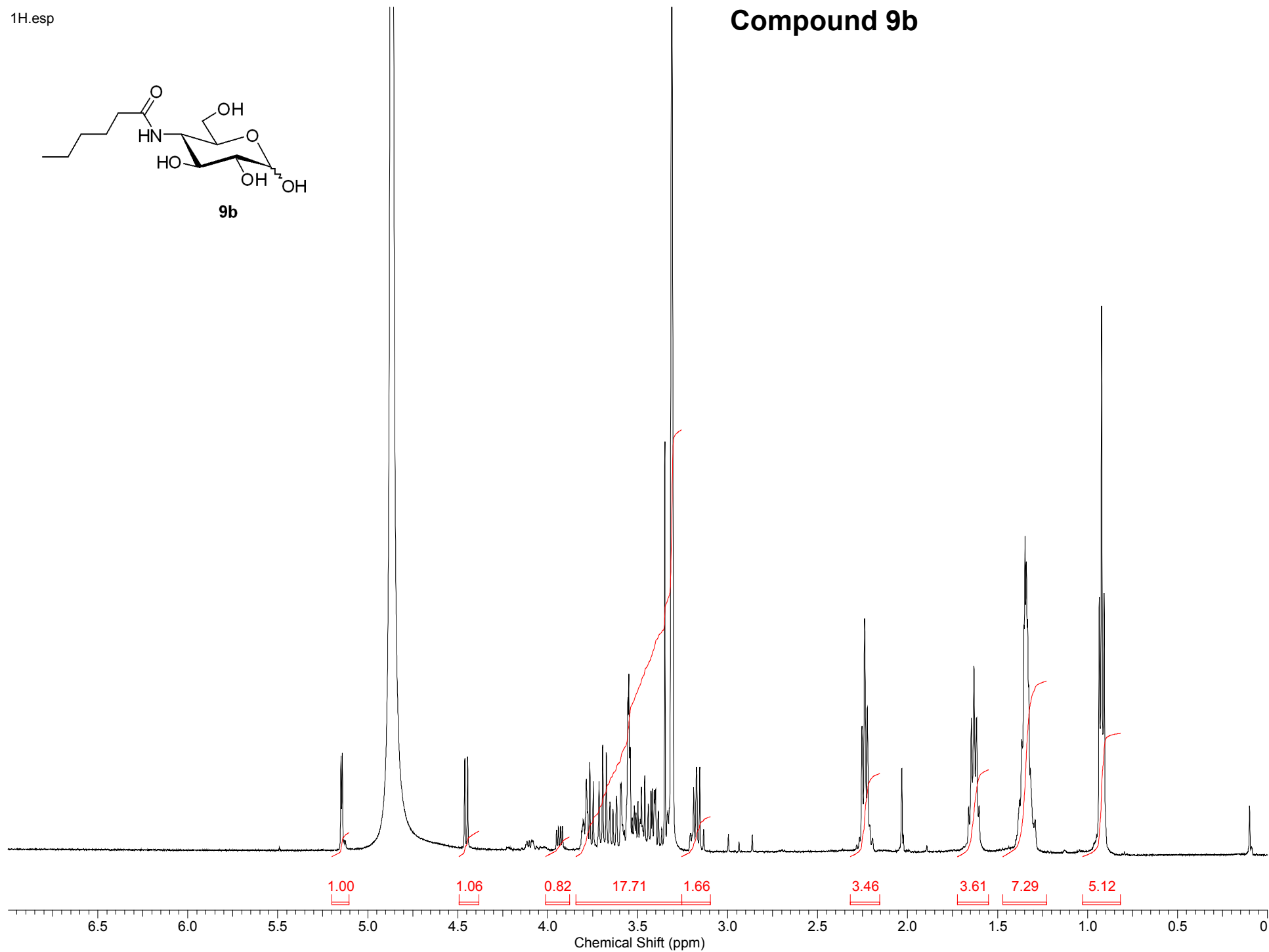
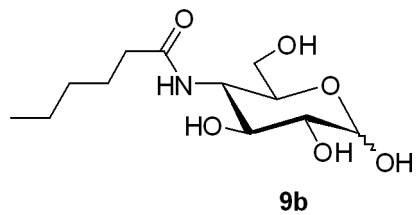


Compound 9a

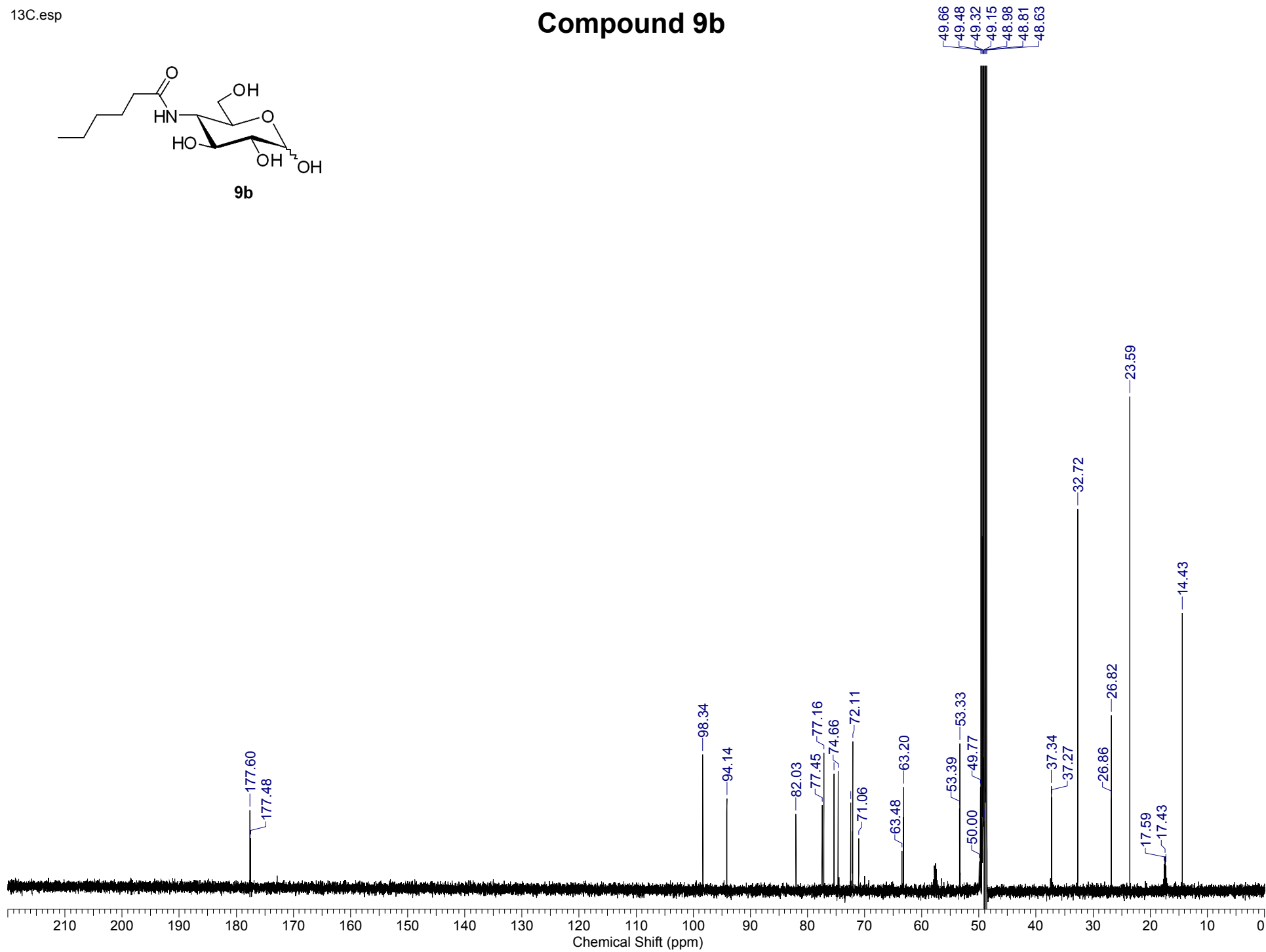
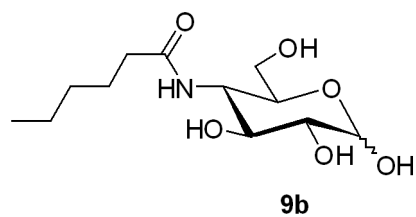


1H.esp

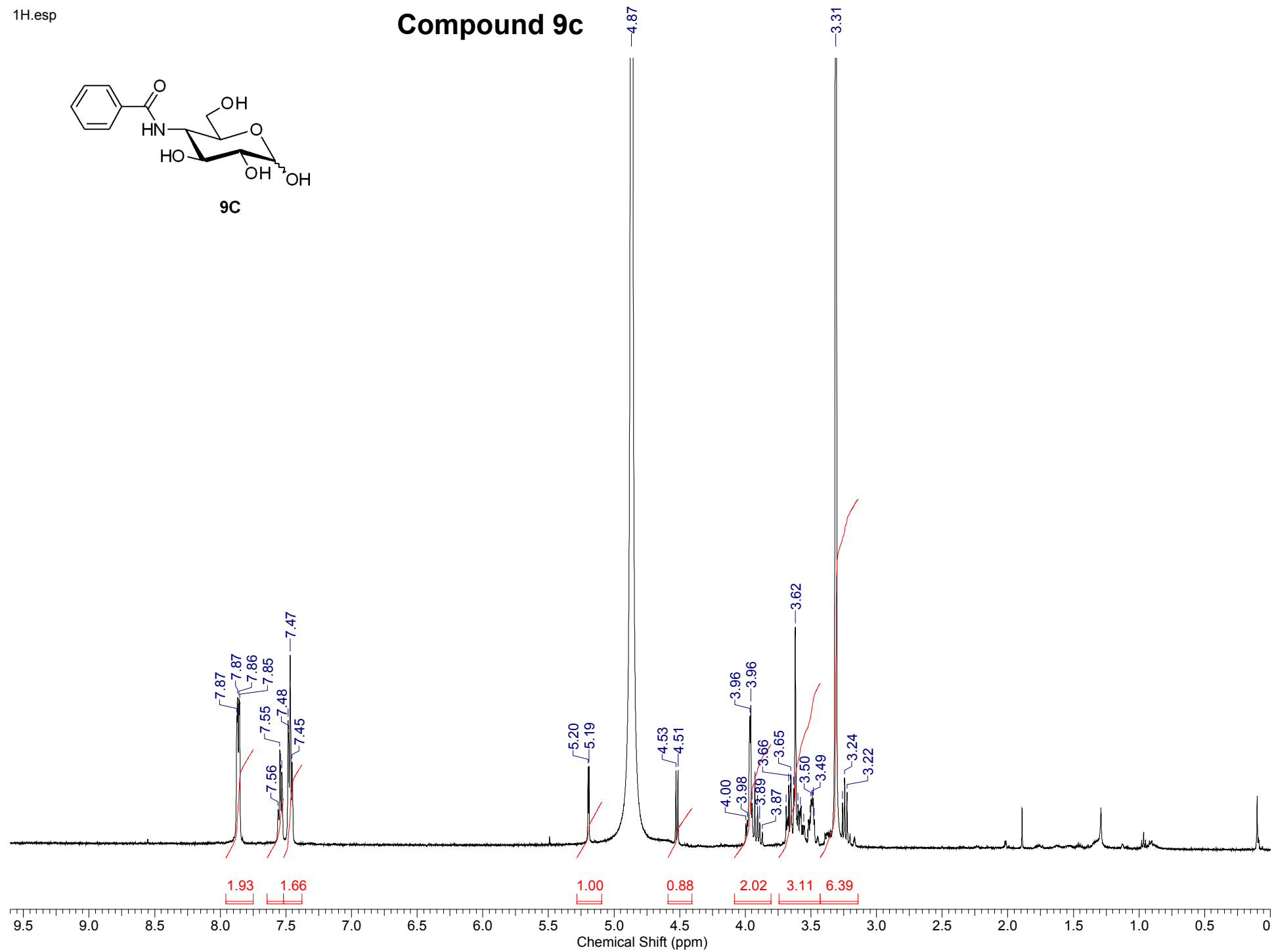
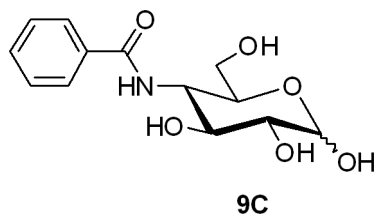
Compound 9b



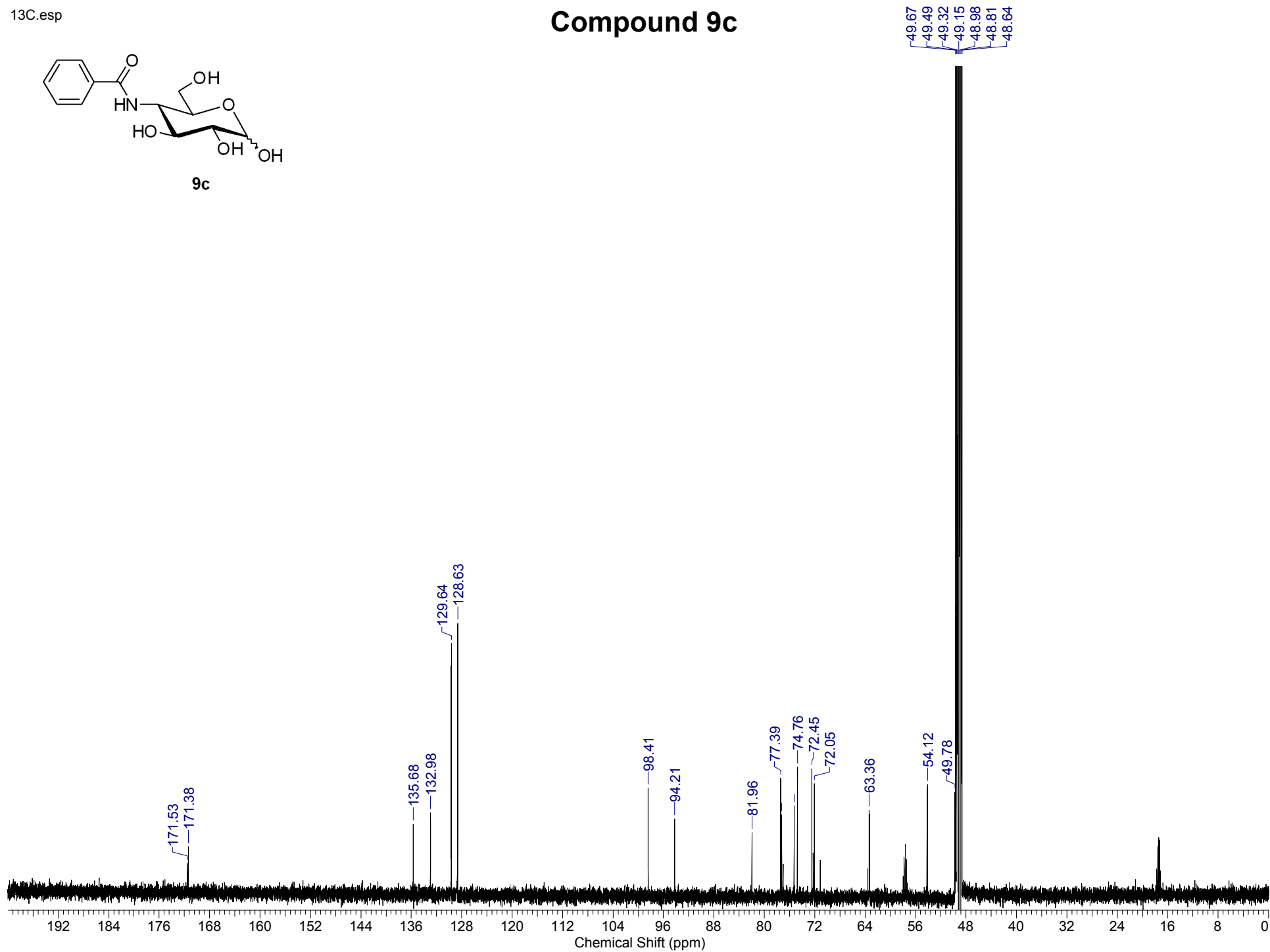
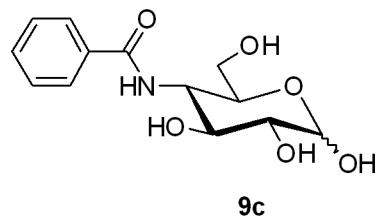
Compound 9b



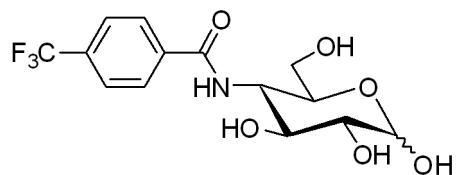
Compound 9c



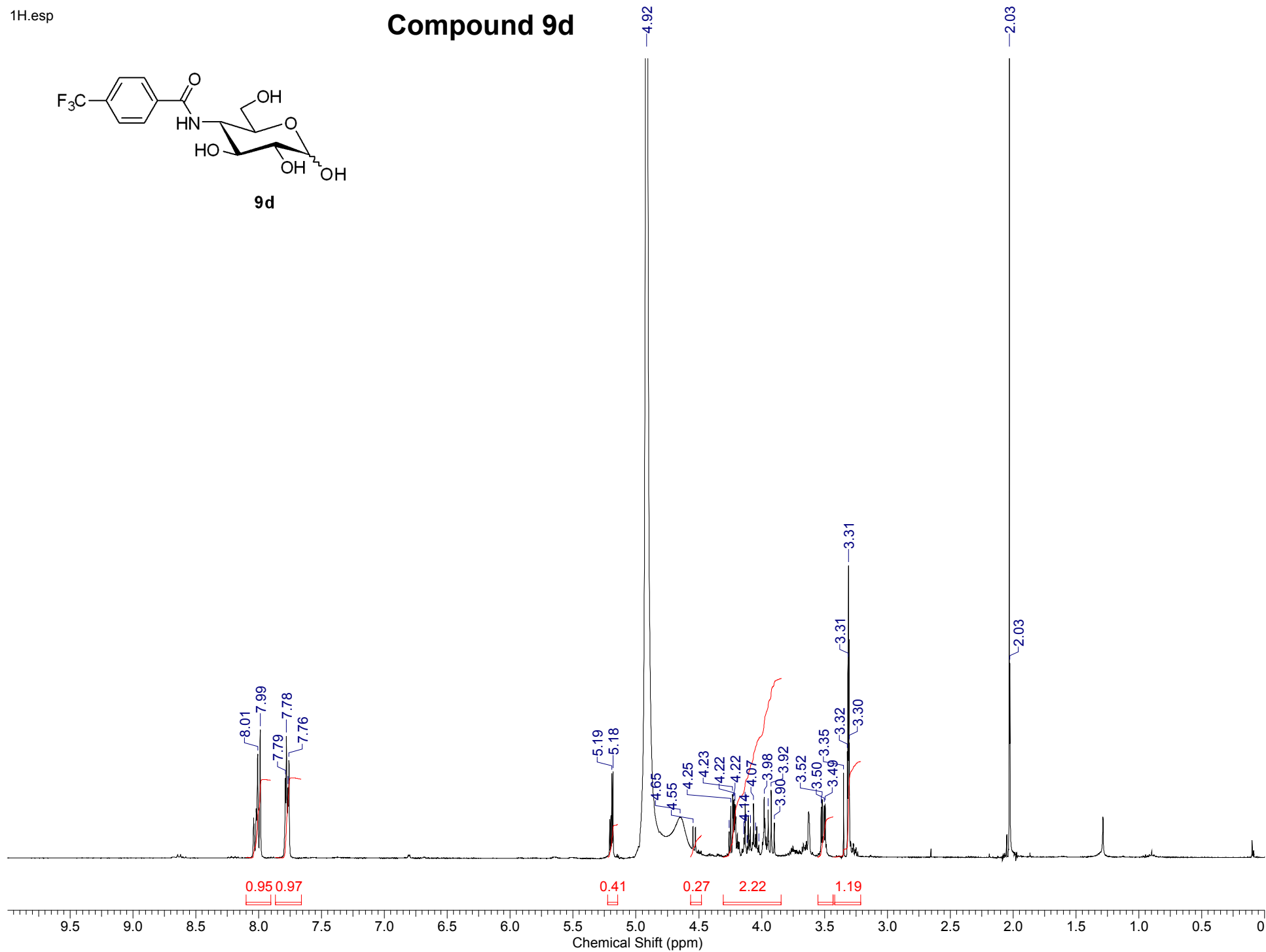
Compound 9c



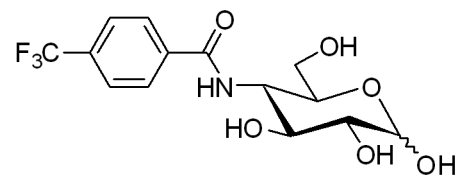
Compound 9d



9d



Compound 9d



9d

