

## **Supporting Information**

### **First synthesis of DBU-conjugated cationic carbohydrate derivatives and investigation of their antibacterial and antifungal activity**

Fruzsina Demeter <sup>1</sup>, Patrik Török <sup>1</sup>, Alexandra Kiss <sup>2</sup>, Richárd Kovásznai-Oláh <sup>2</sup>,  
Zsuzsa Máthéné Szigeti <sup>2</sup>, Viktória Baksa <sup>2</sup>, Fruzsina Kovács <sup>3,4</sup>, Noémi Balla <sup>3,4</sup>, Ferenc  
Fenyvesi <sup>5</sup>, Judit Váradi <sup>5</sup>, Anikó Borbás <sup>1,\*</sup> and Mihály Herczeg <sup>1,\*</sup>

<sup>1</sup>*Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Debrecen,  
Egyetem tér 1, H-4032 Debrecen, Hungary*

<sup>2</sup>*Institute of Biotechnology, Faculty of Science and Technology, University of Debrecen,  
Egyetem tér 1, H-4032, Debrecen, Hungary.*

<sup>3</sup>*Department of Medical Microbiology, Faculty of Medicine, University of Debrecen, 4032  
Debrecen, Hungary;*

<sup>4</sup>*Doctoral School of Pharmaceutical Sciences, University of Debrecen, 4032 Debrecen,  
Hungary*

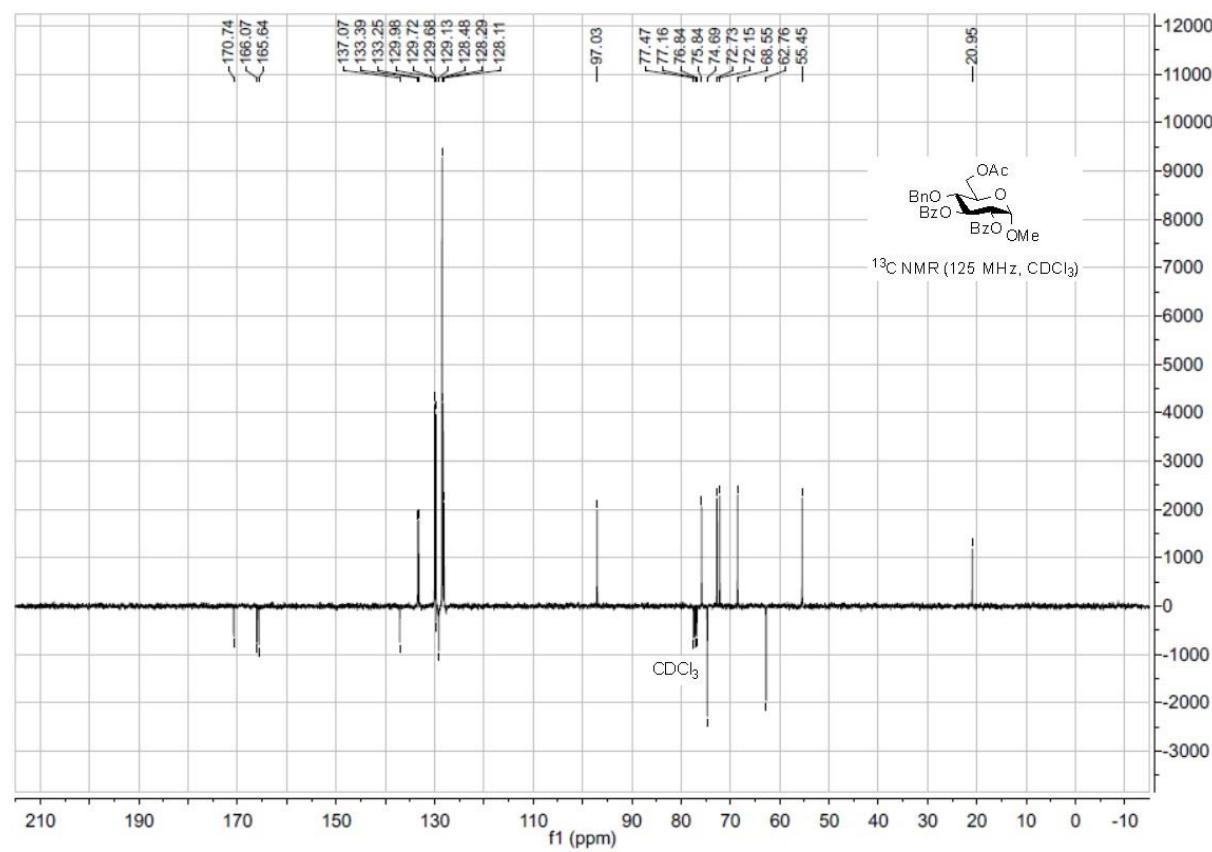
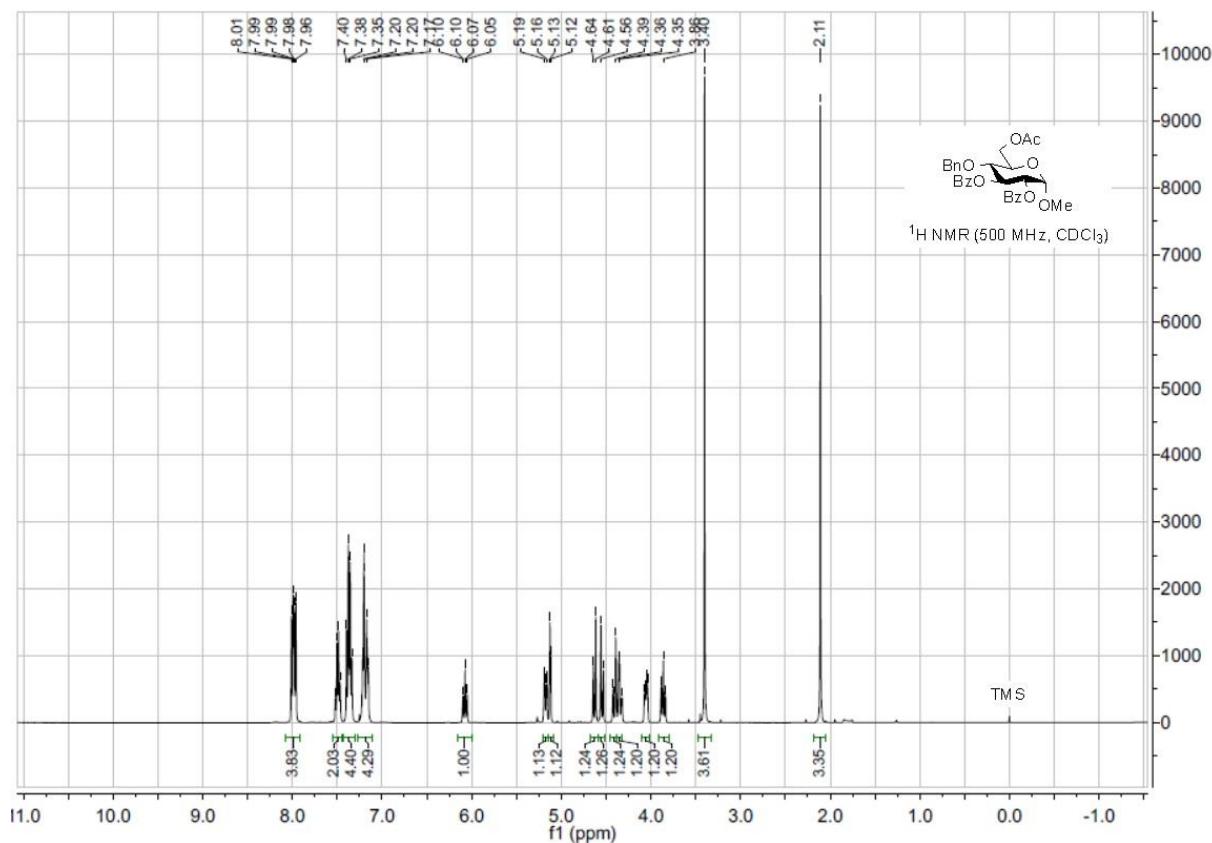
<sup>5</sup>*Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Debrecen,  
Nagyerdei Körút 98., H-4032, Debrecen, Hungary;*

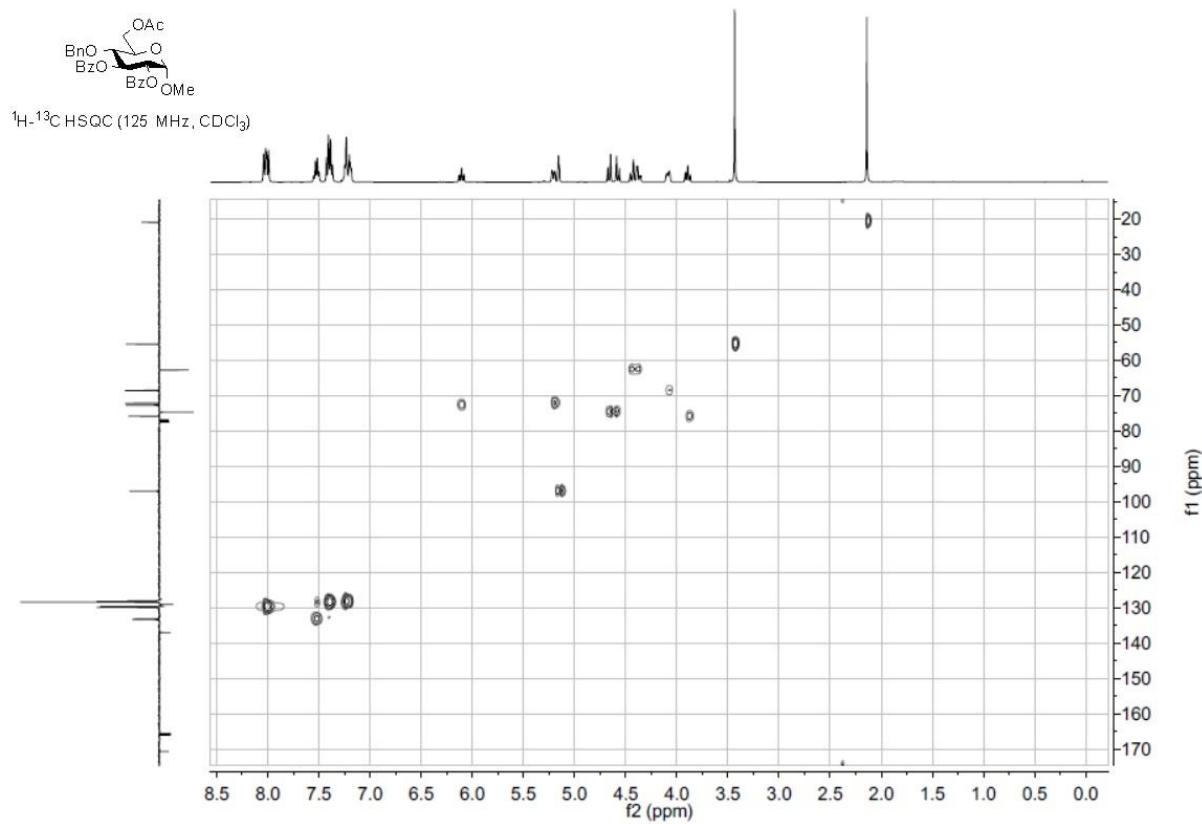
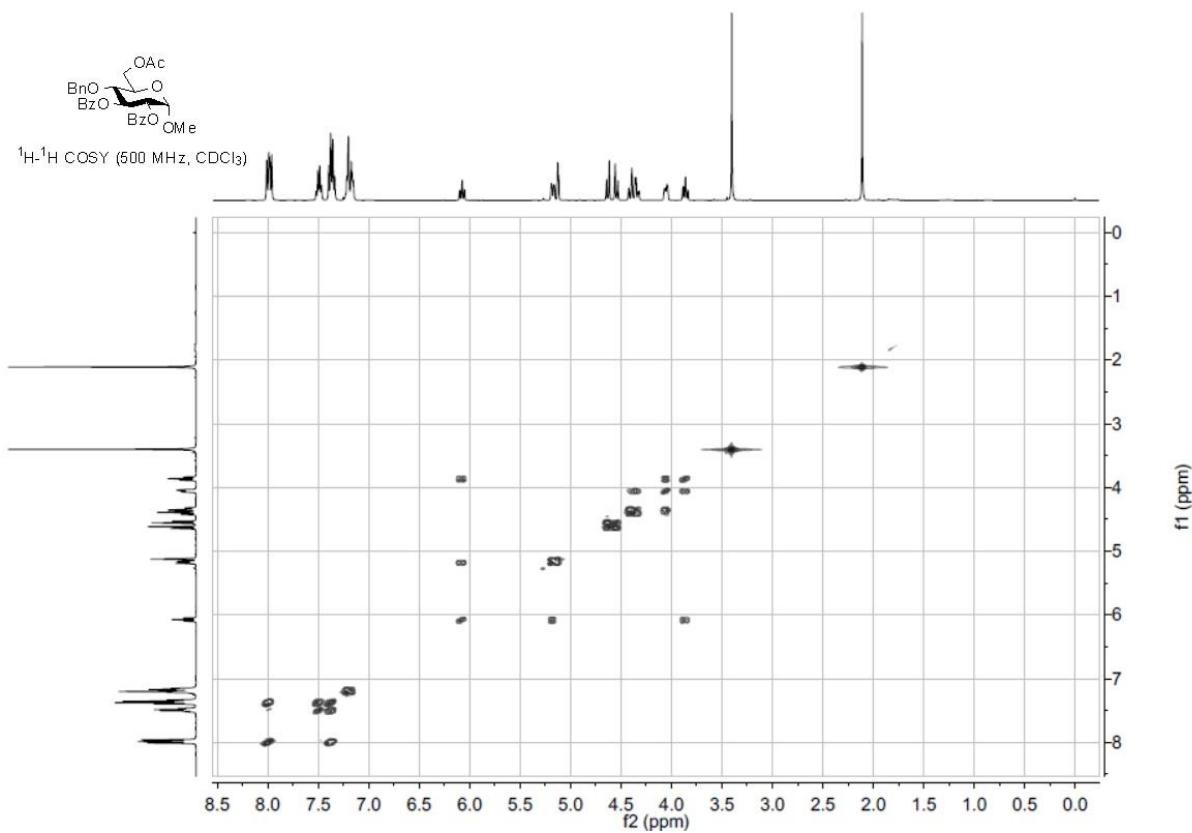
E-mail: borbas.aniko@pharm.unideb.hu; herczeg.mihaly@pharm.unideb.hu

### **Table of Contents**

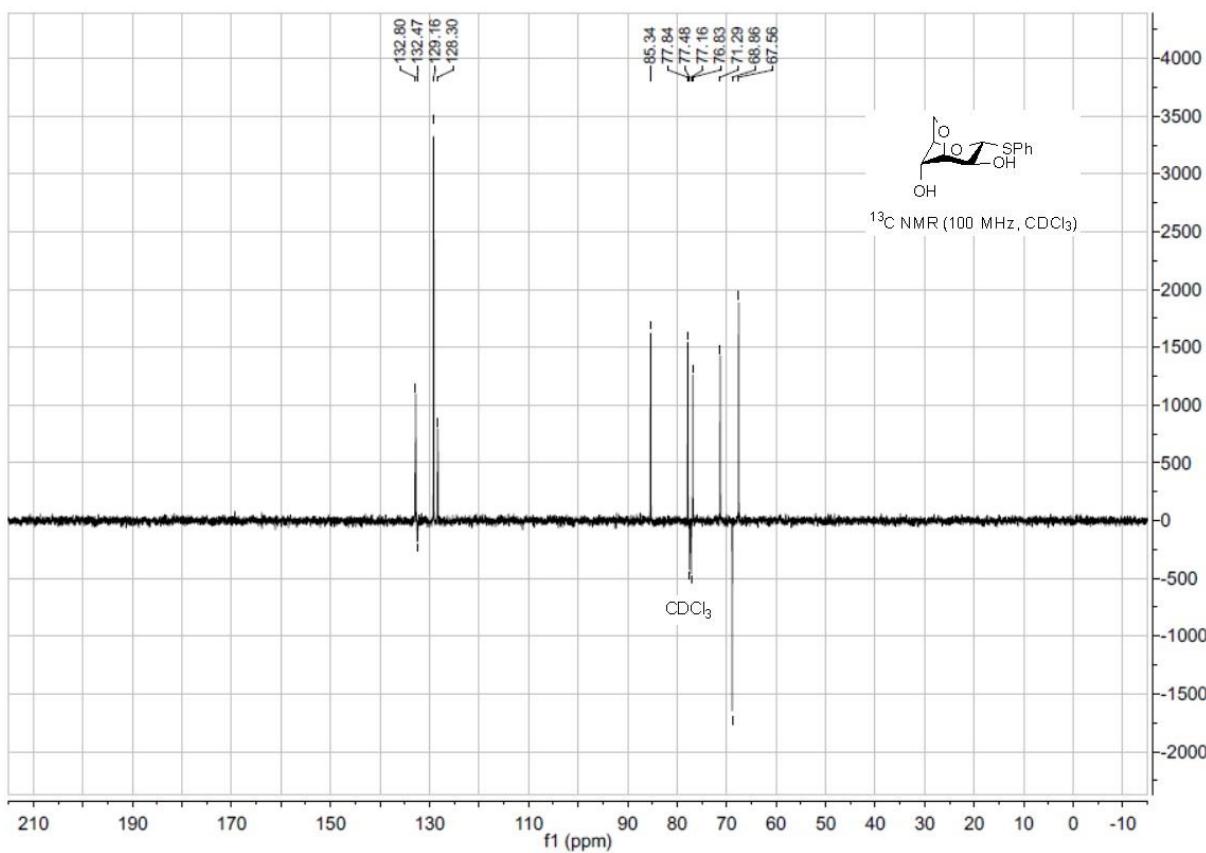
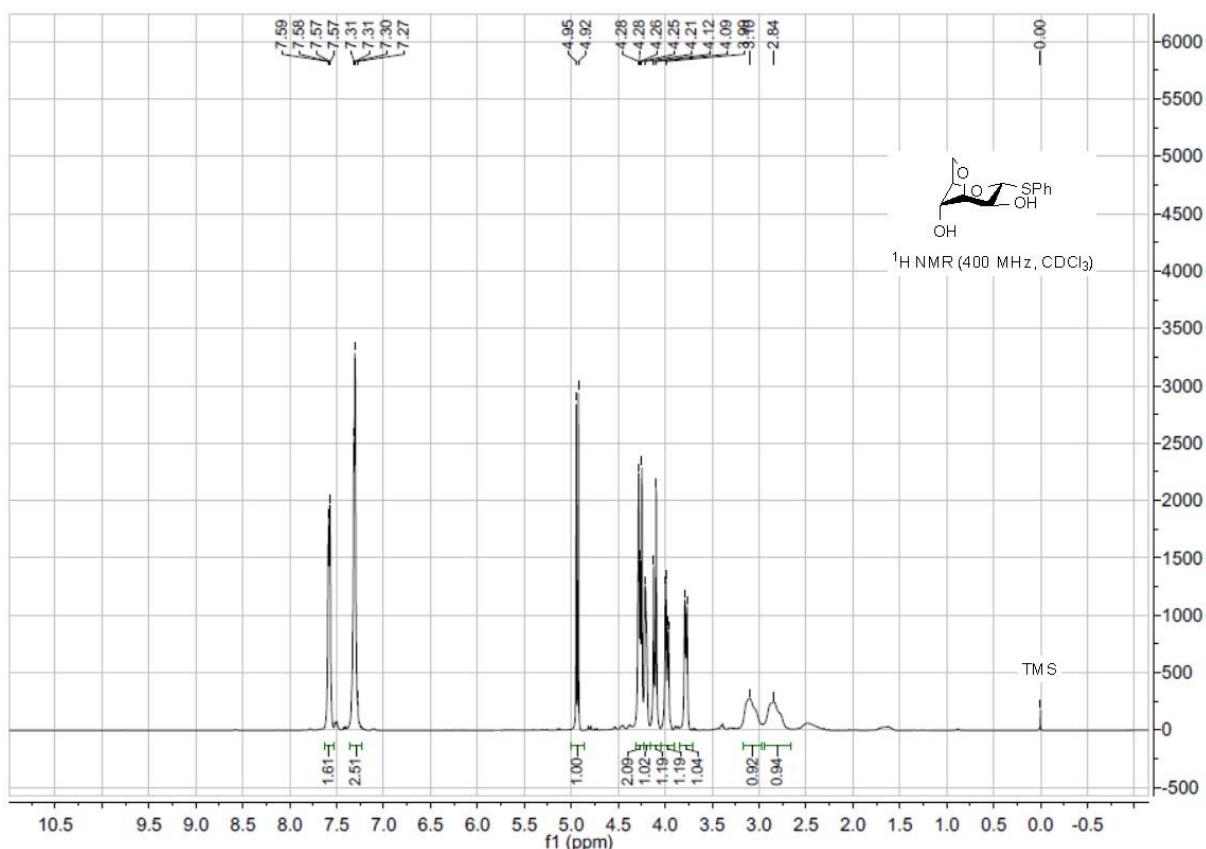
<b><sup>1</sup>H and <sup>13</sup>C NMR spectra of the synthesized compounds</b>	<b>2</b>
--	----------

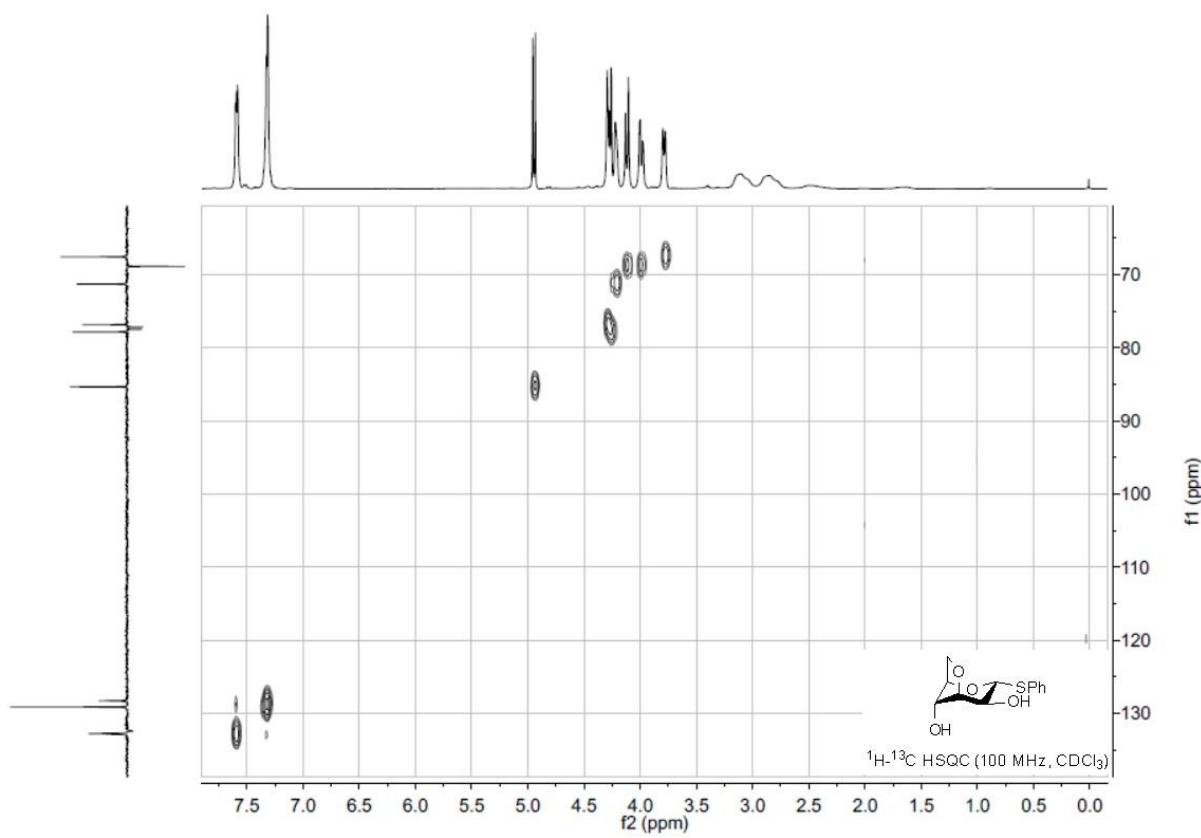
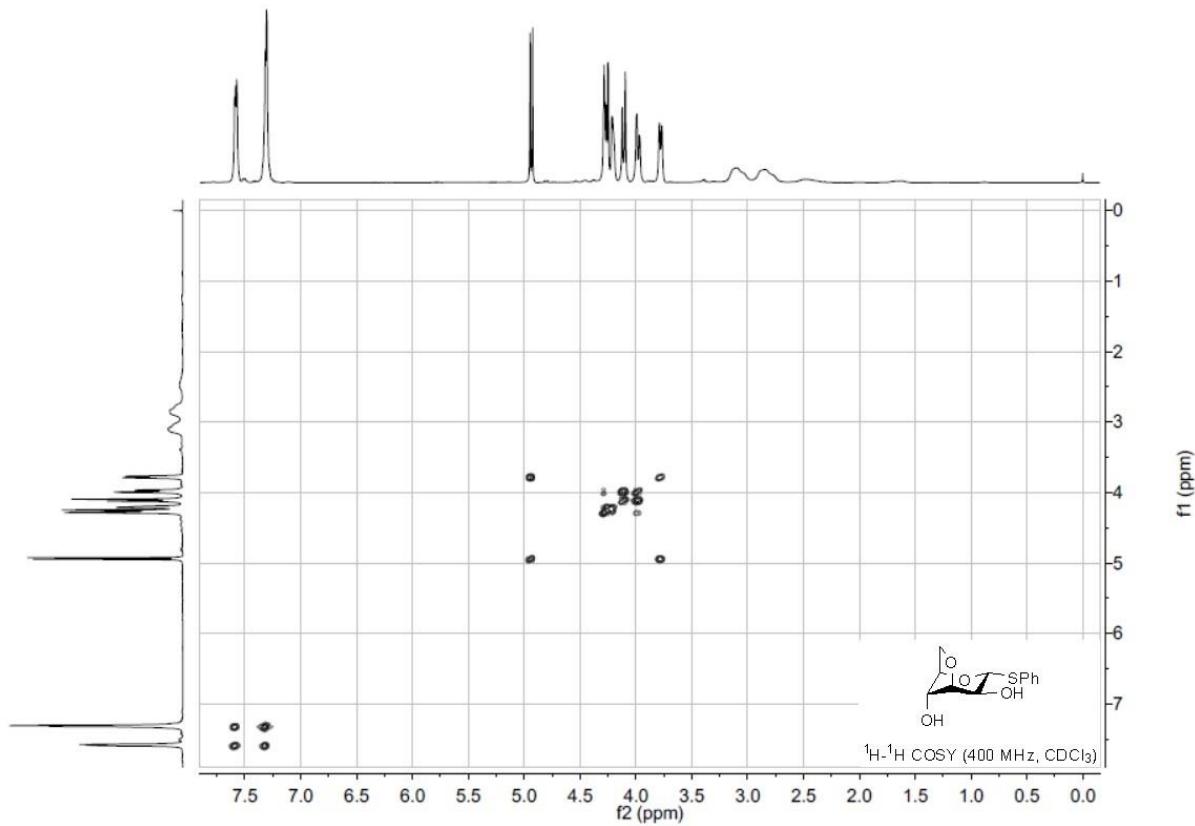
### <sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 39



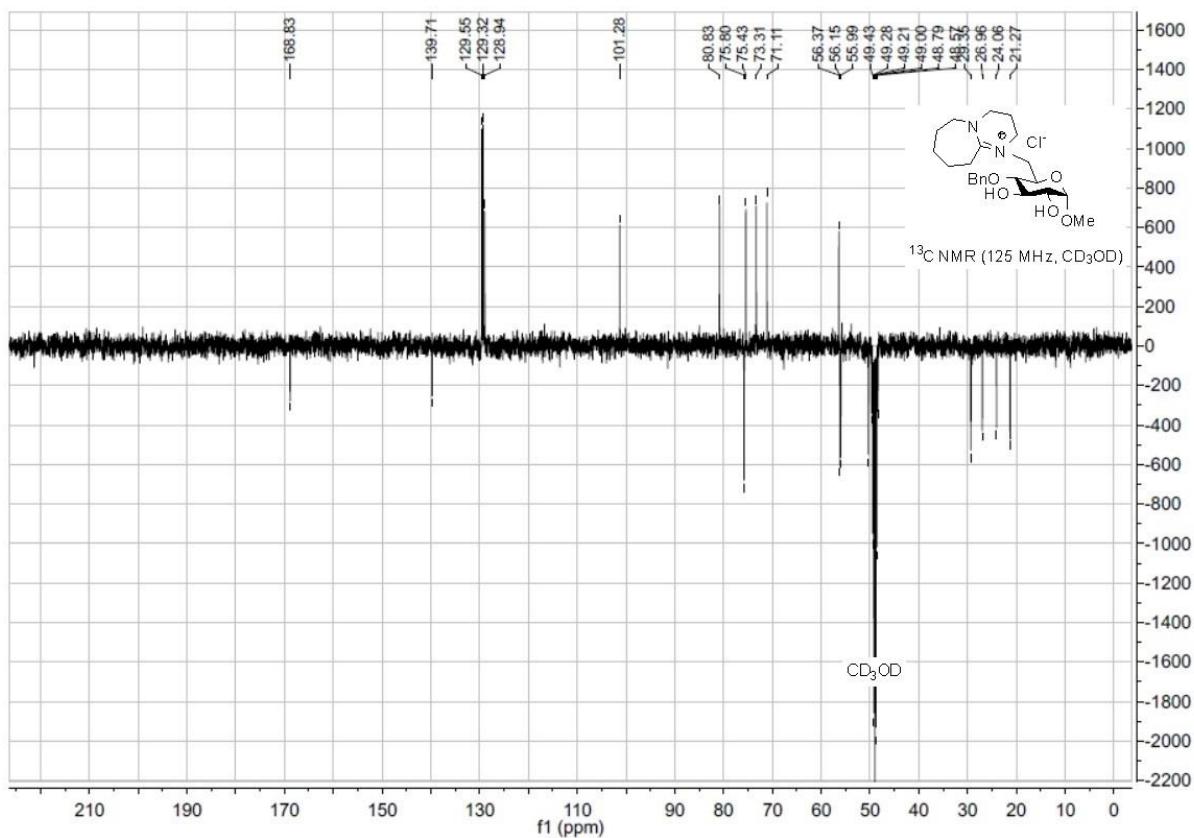
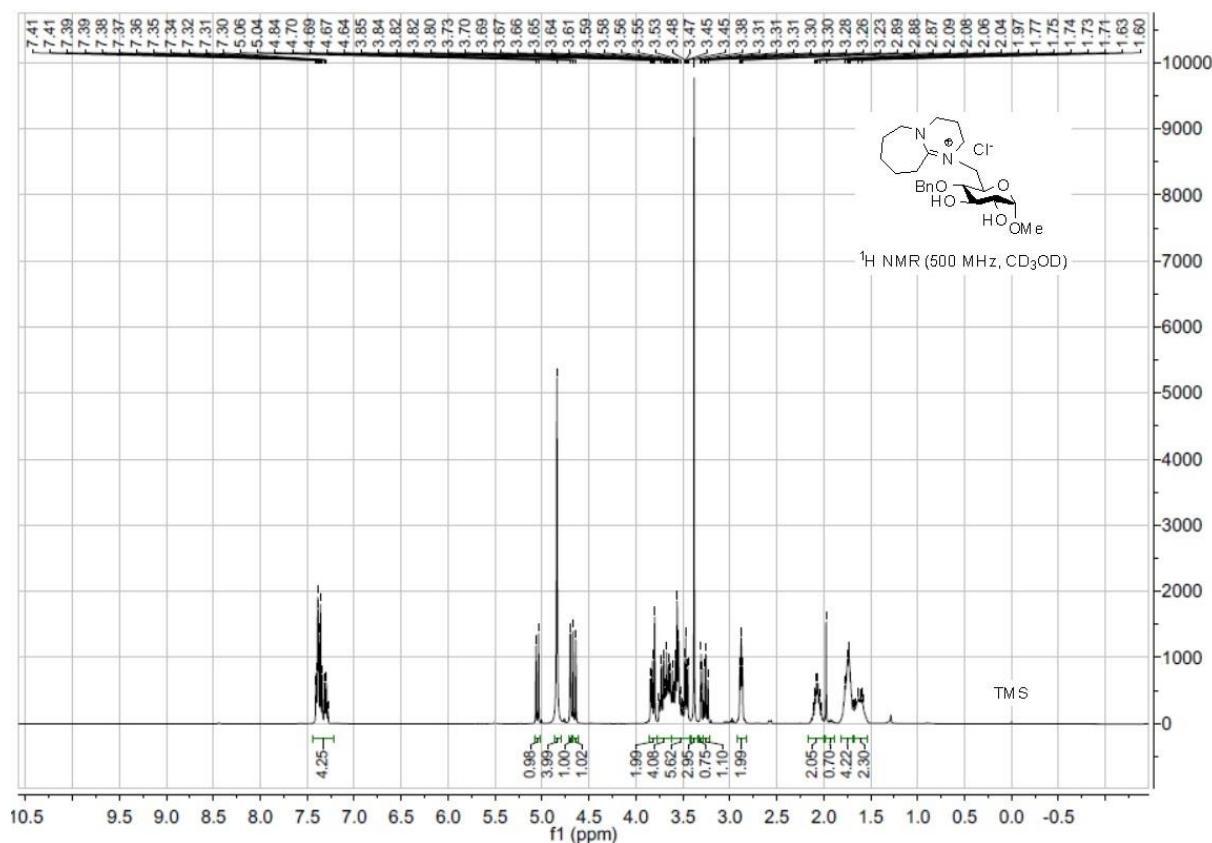


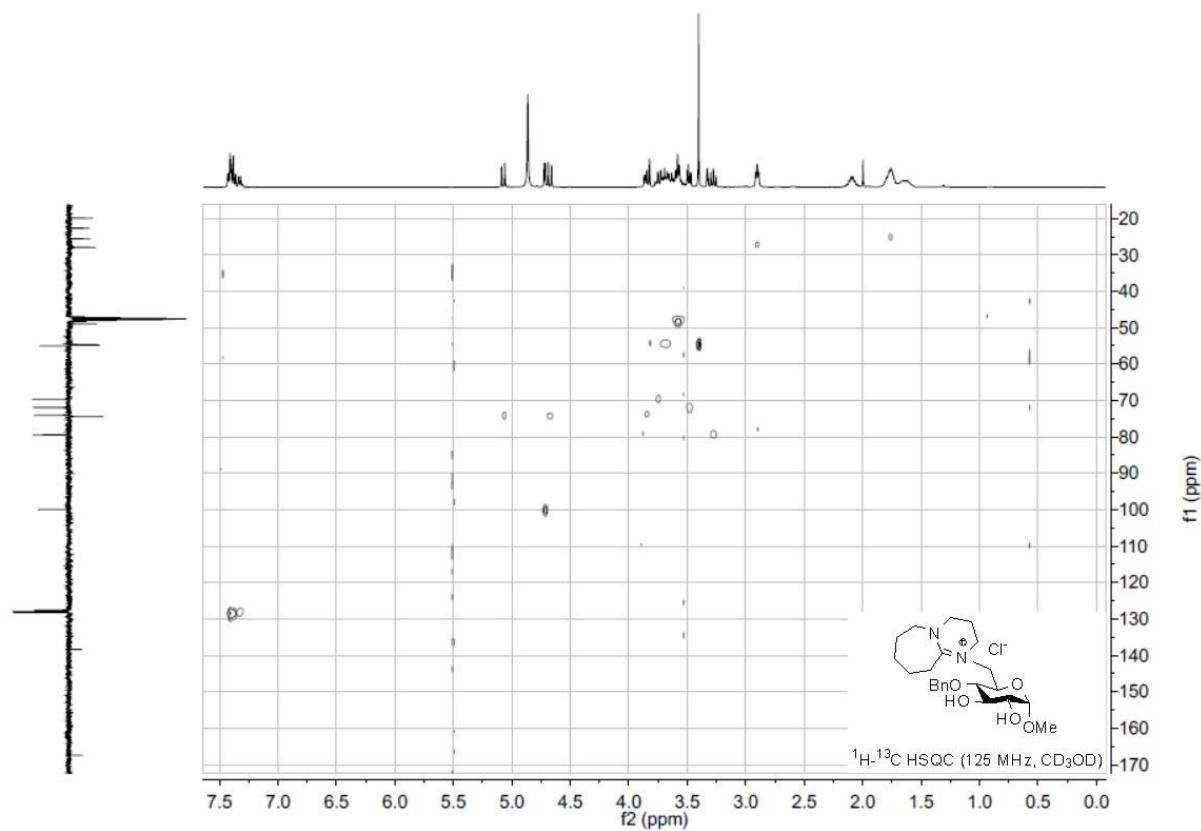
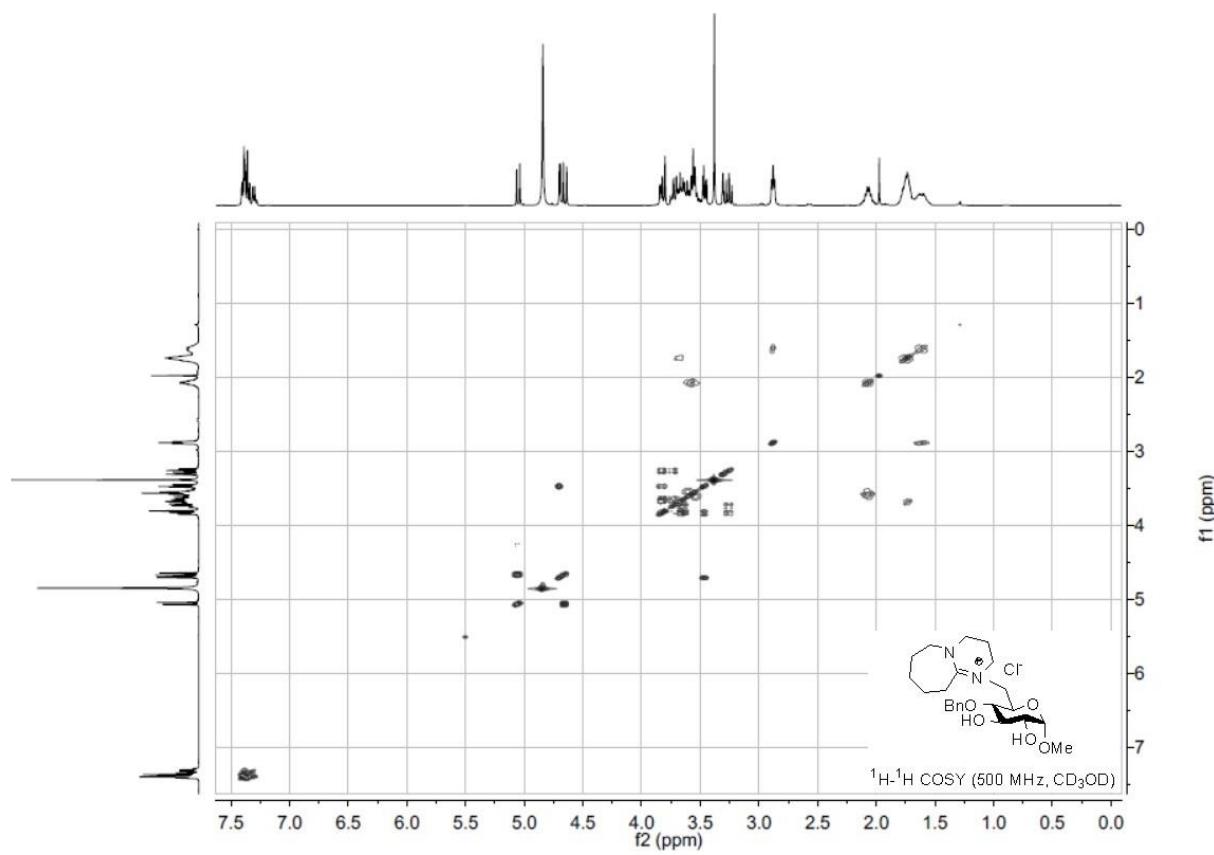
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 43



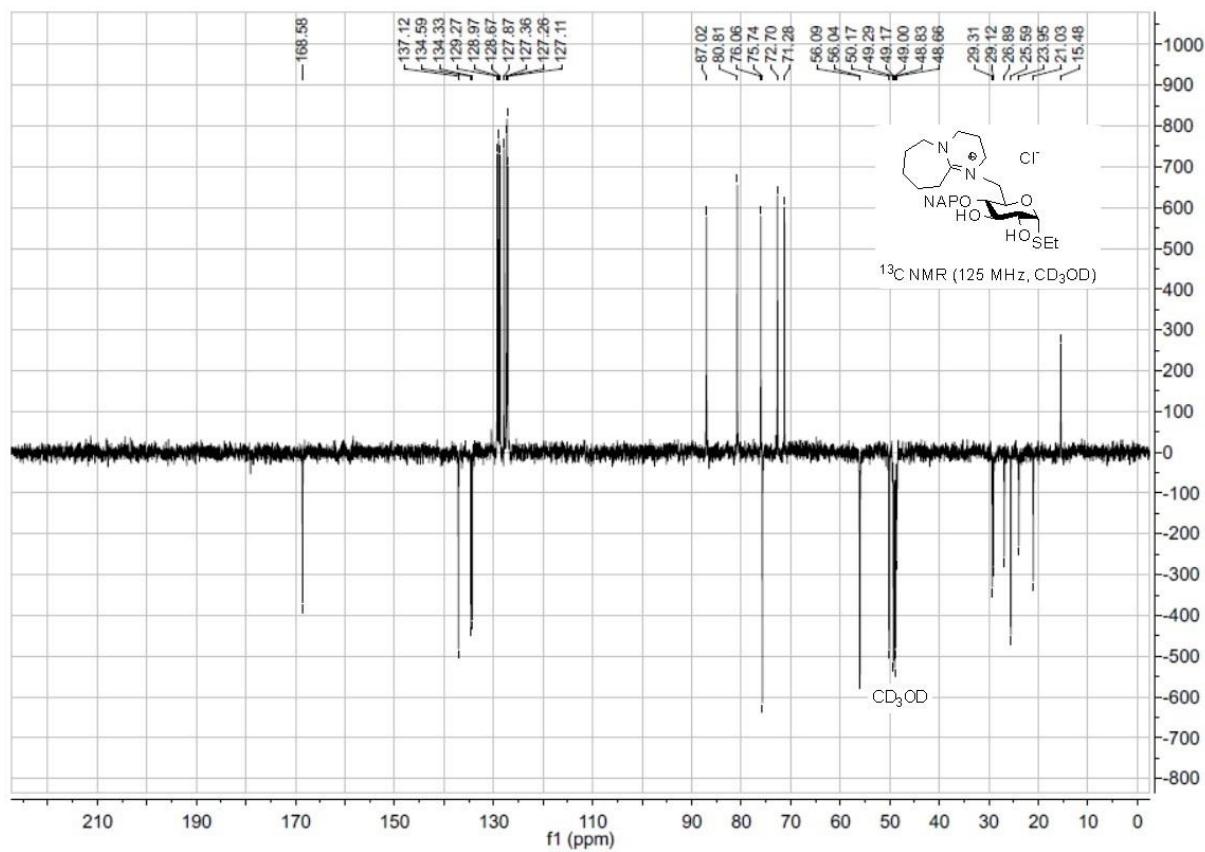
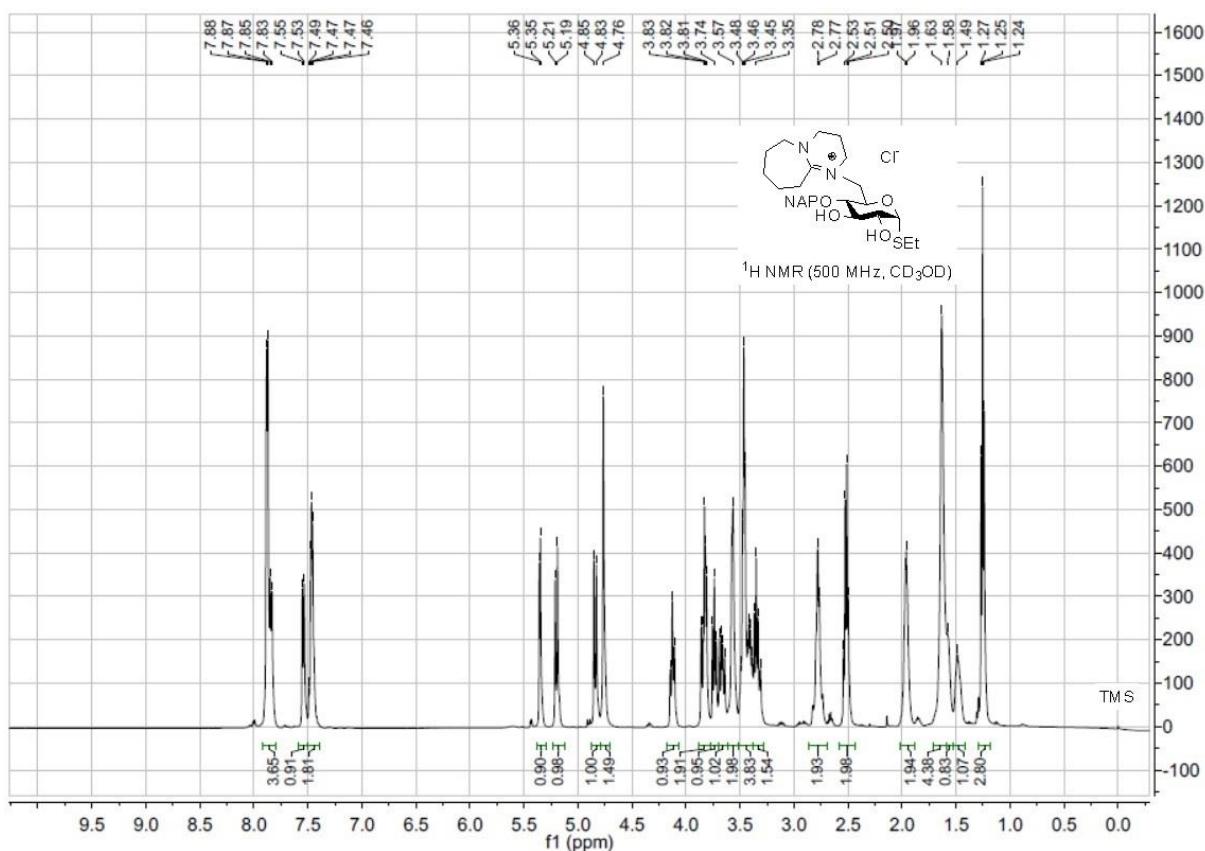


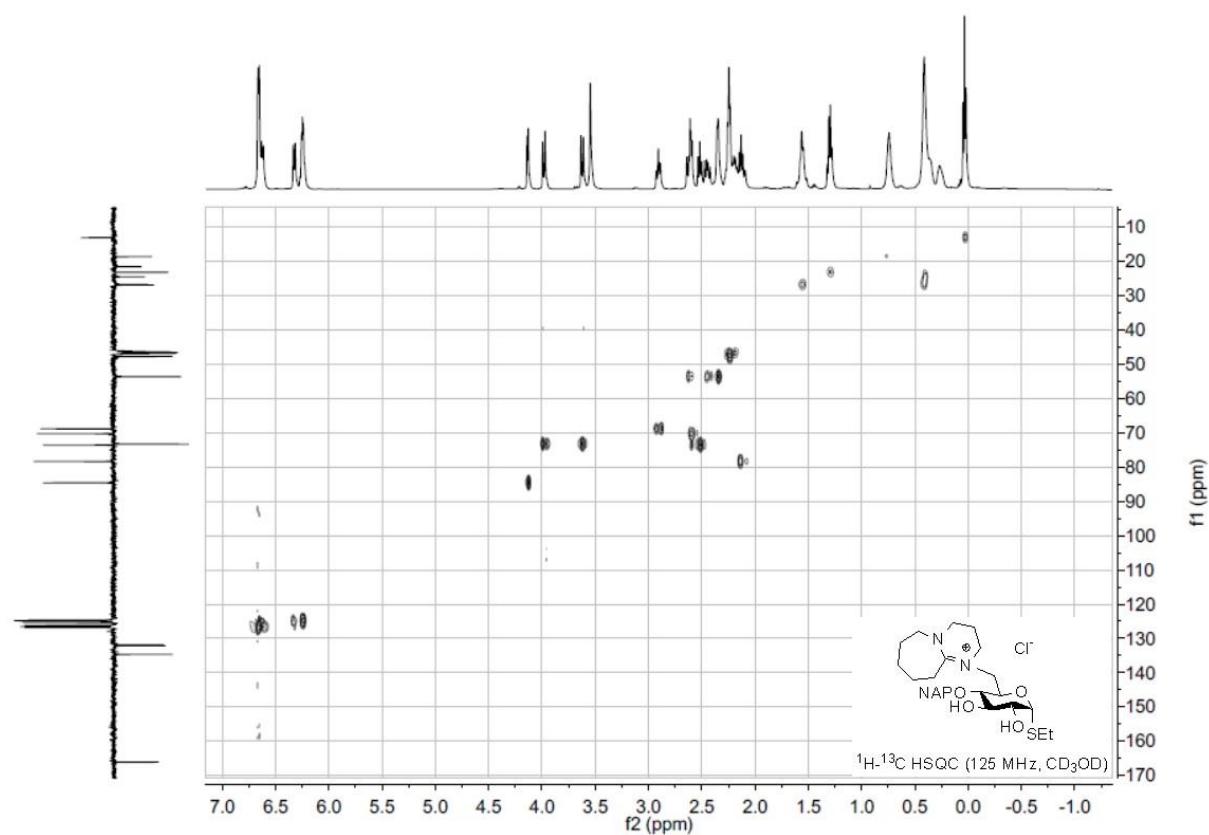
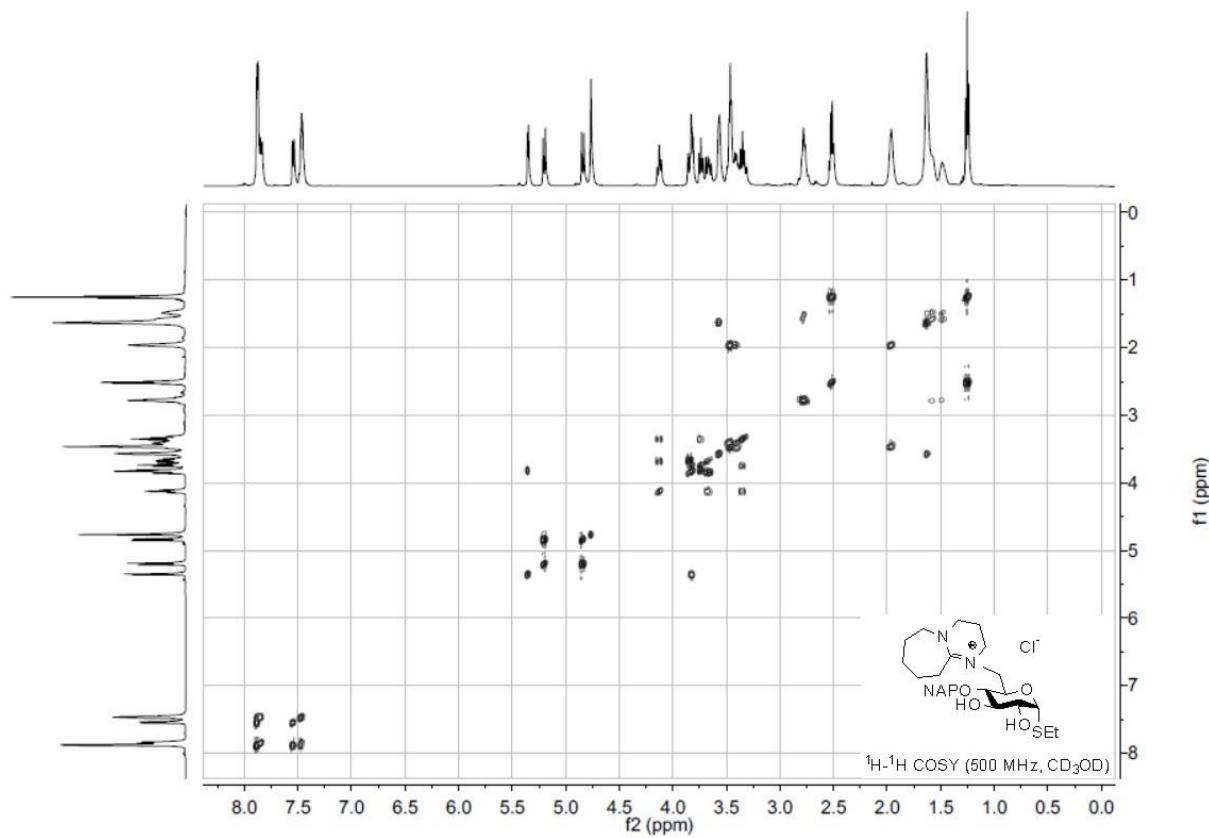
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 45



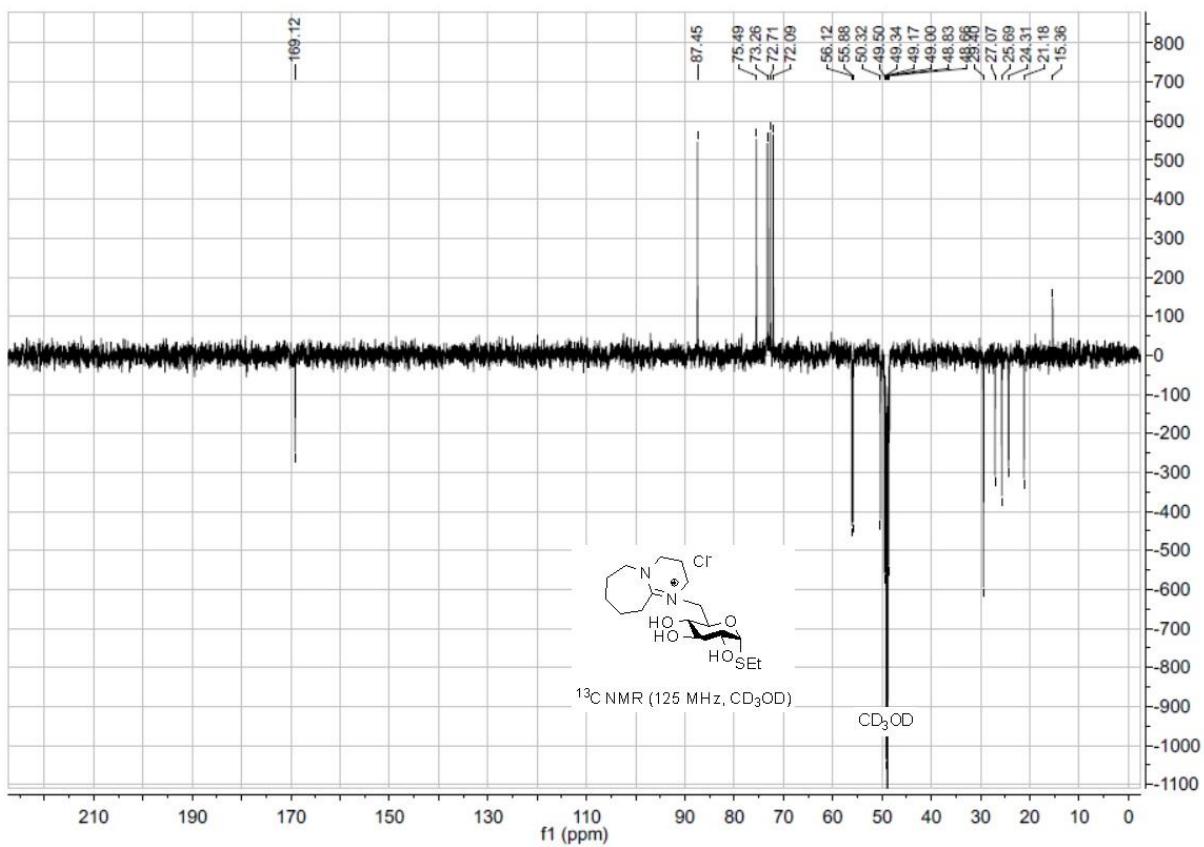
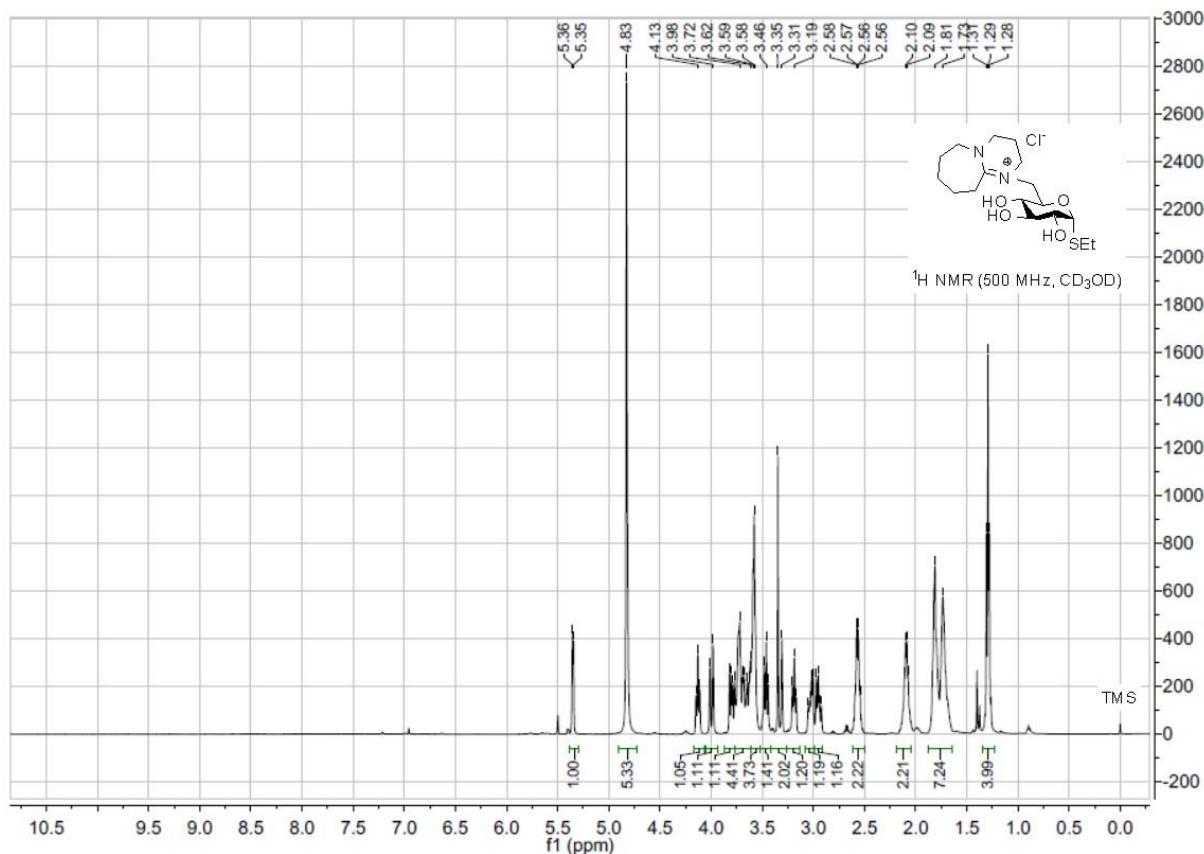


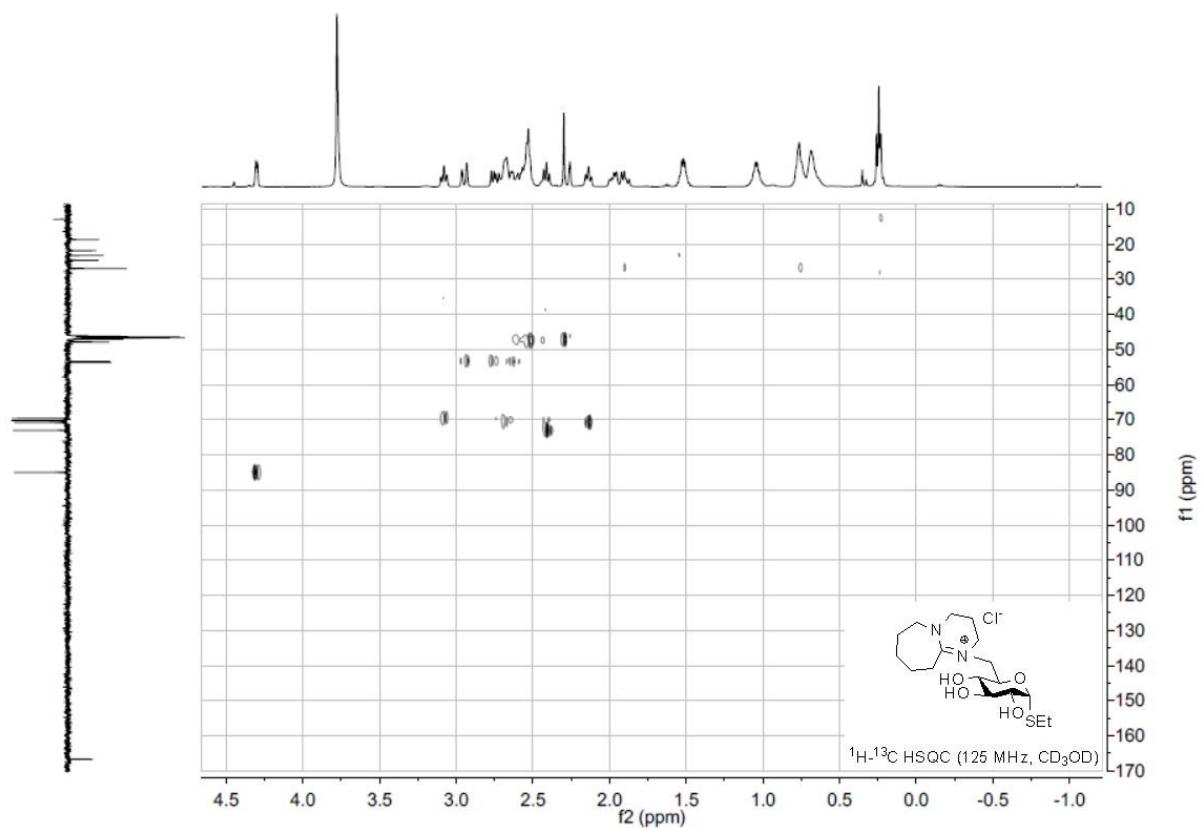
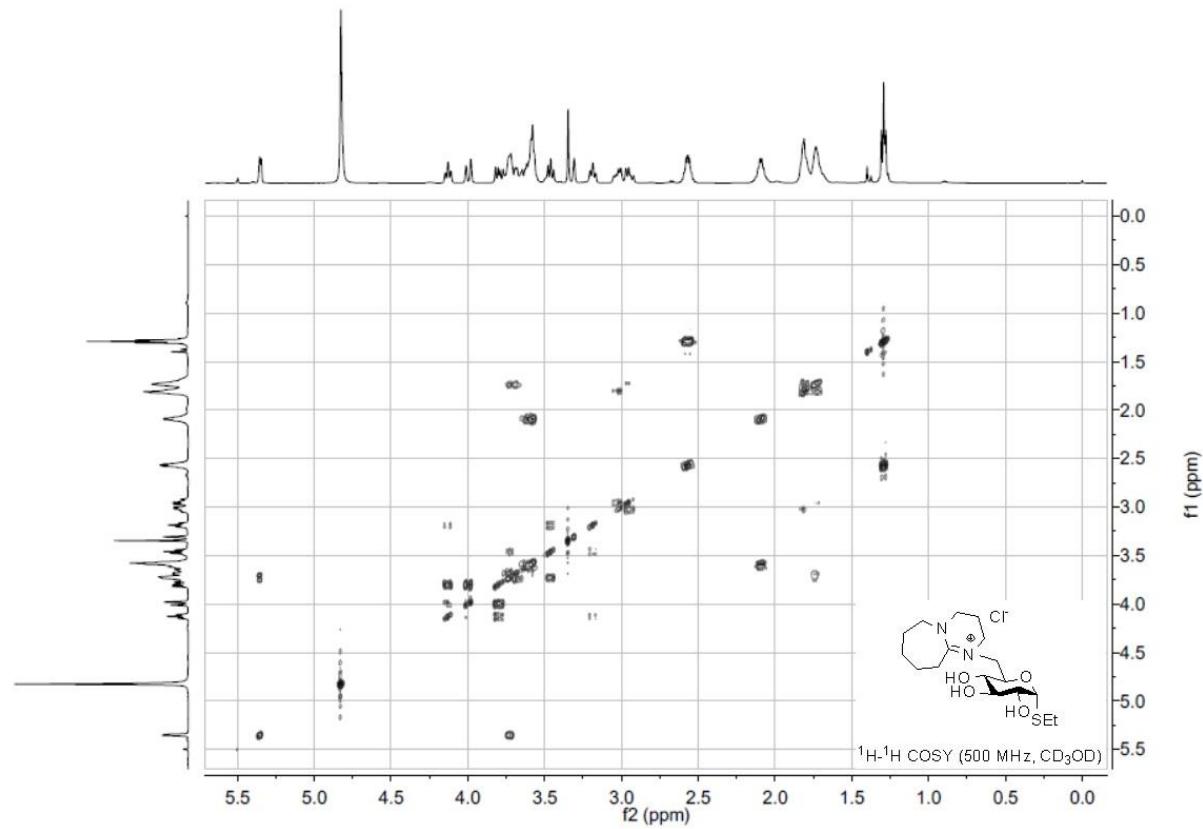
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 46



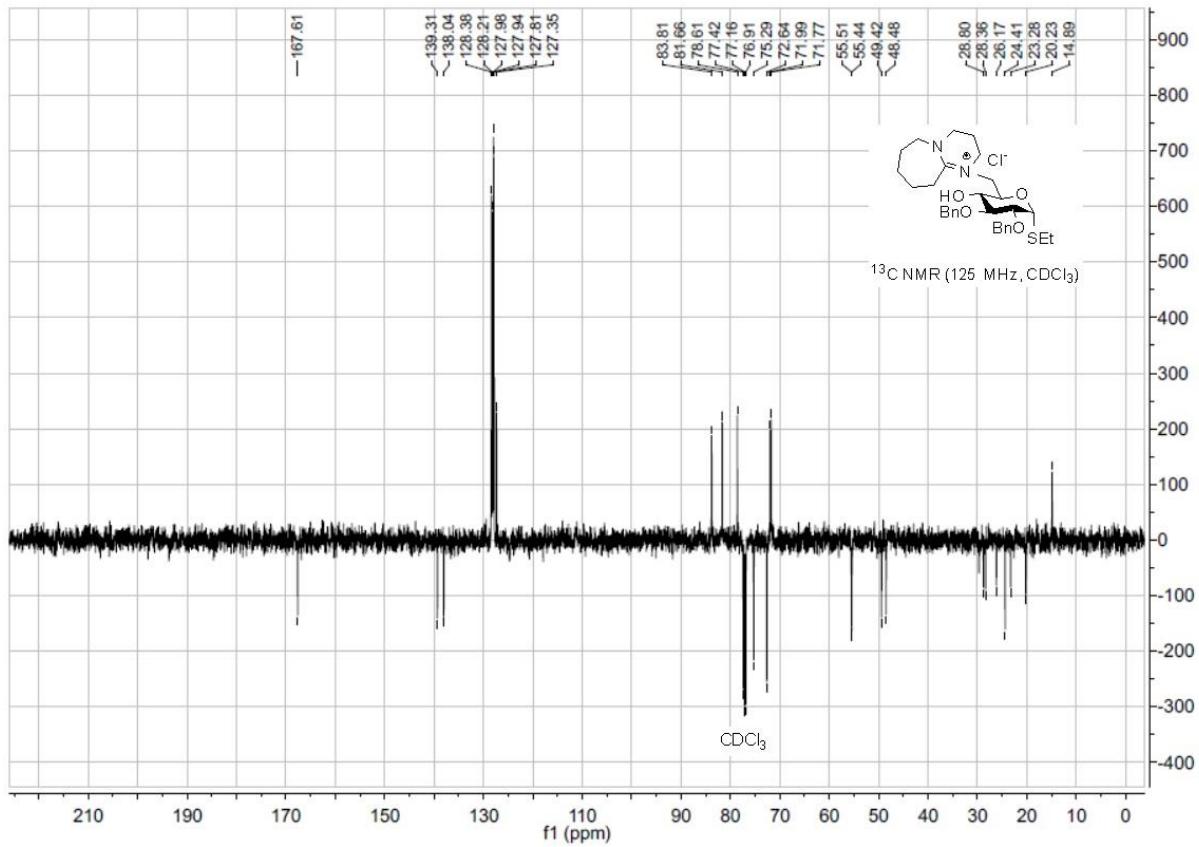
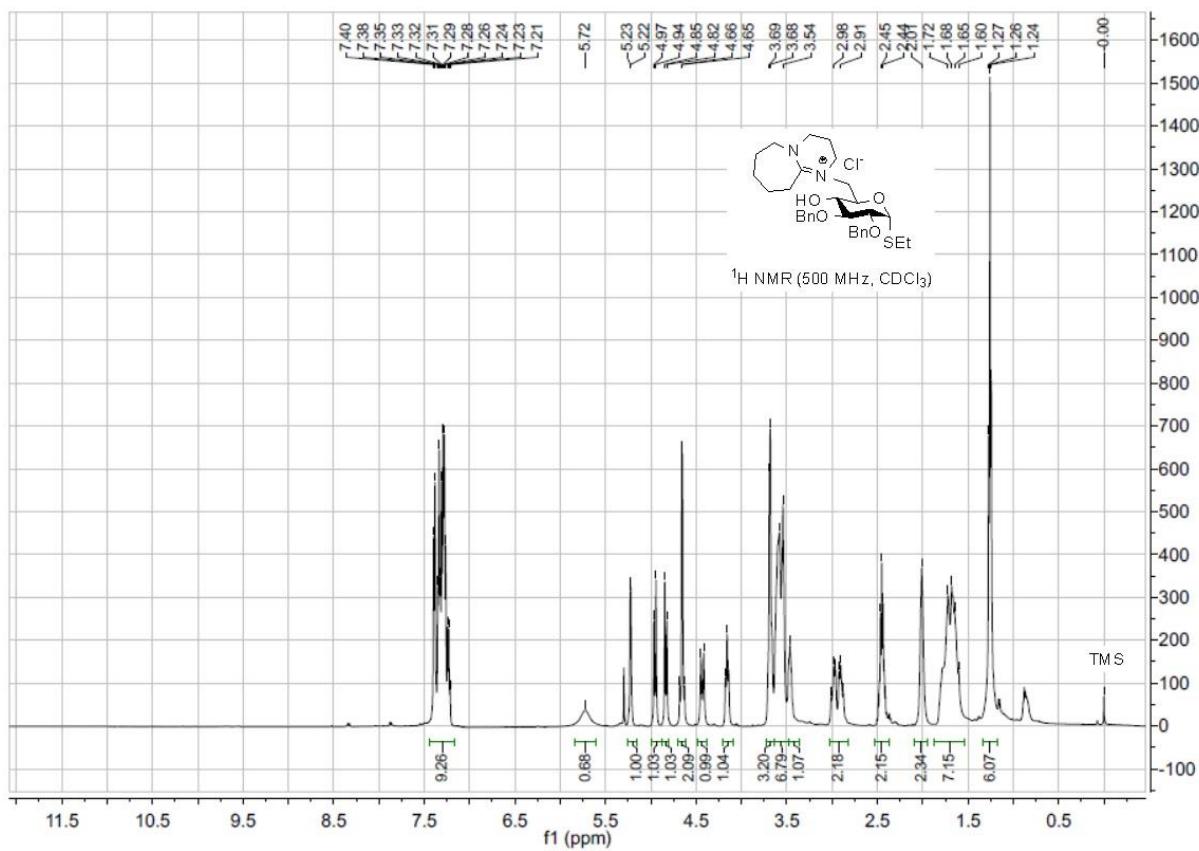


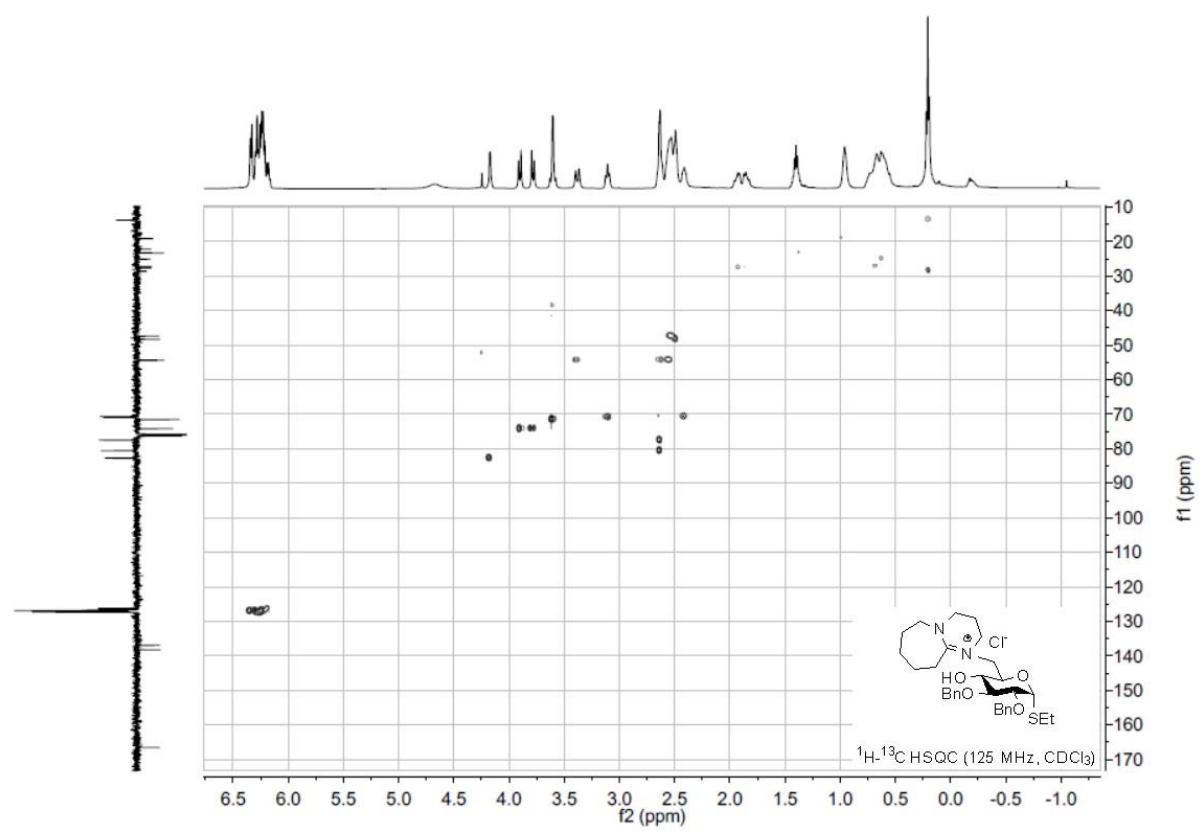
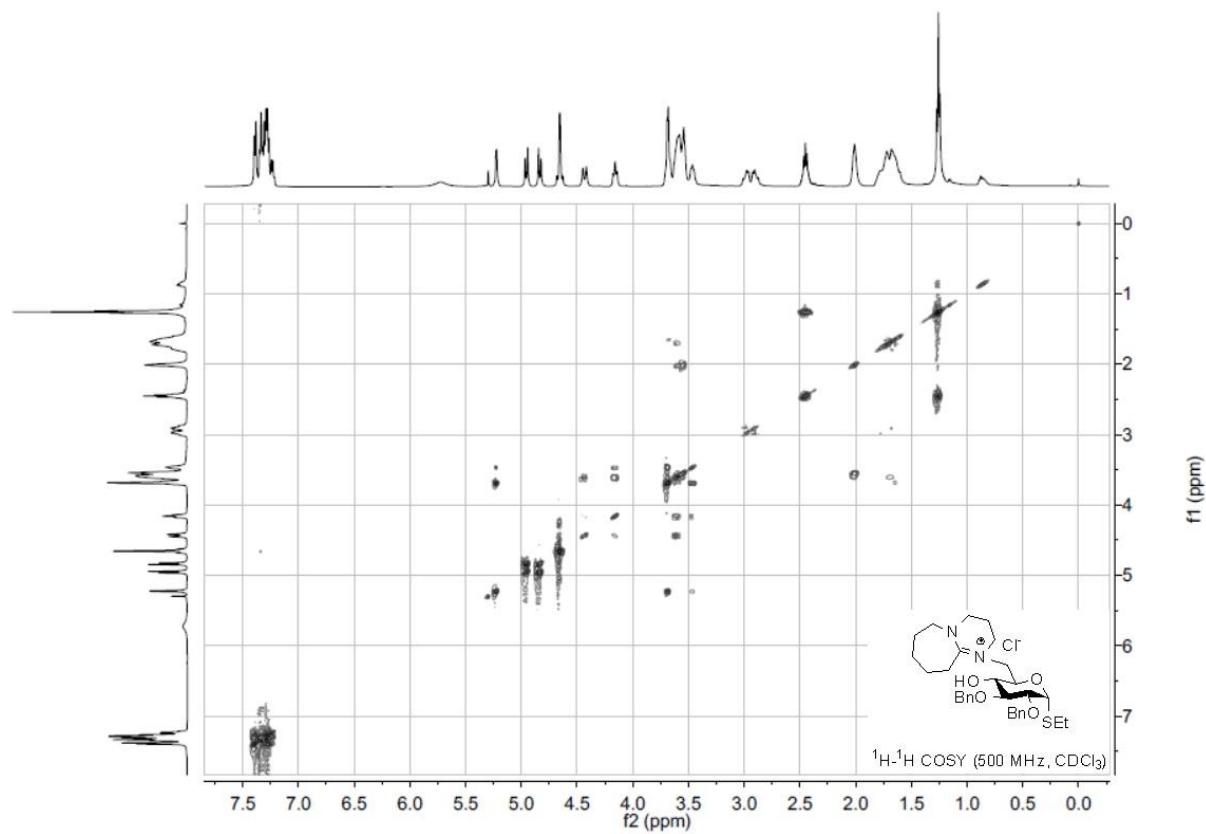
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 47



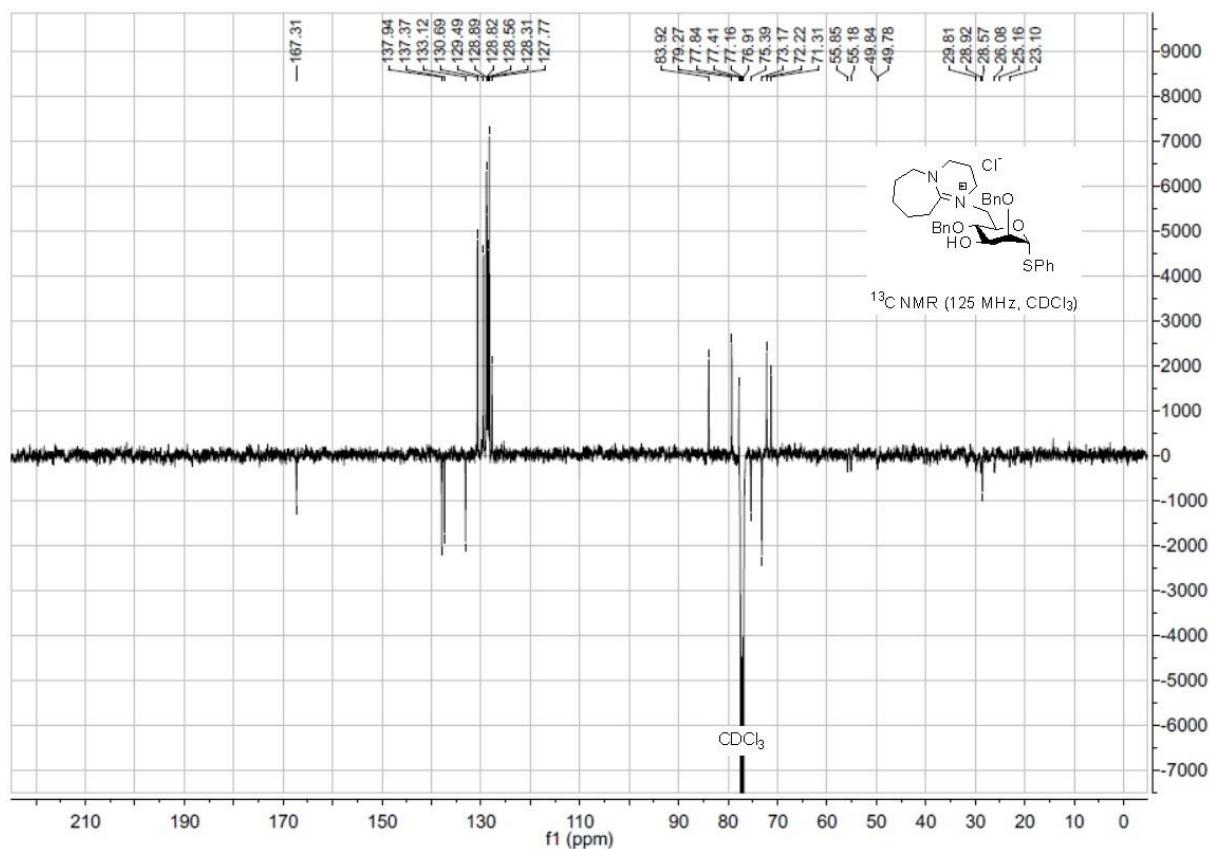
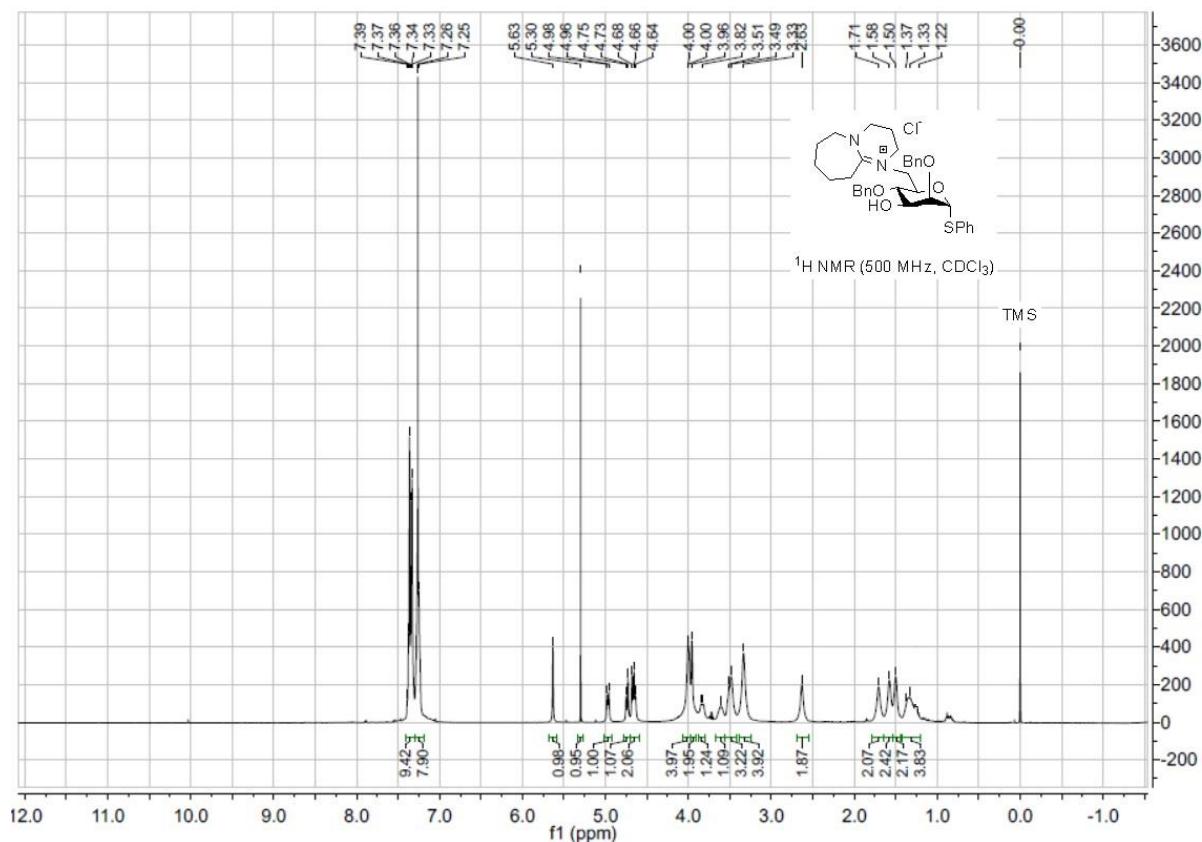


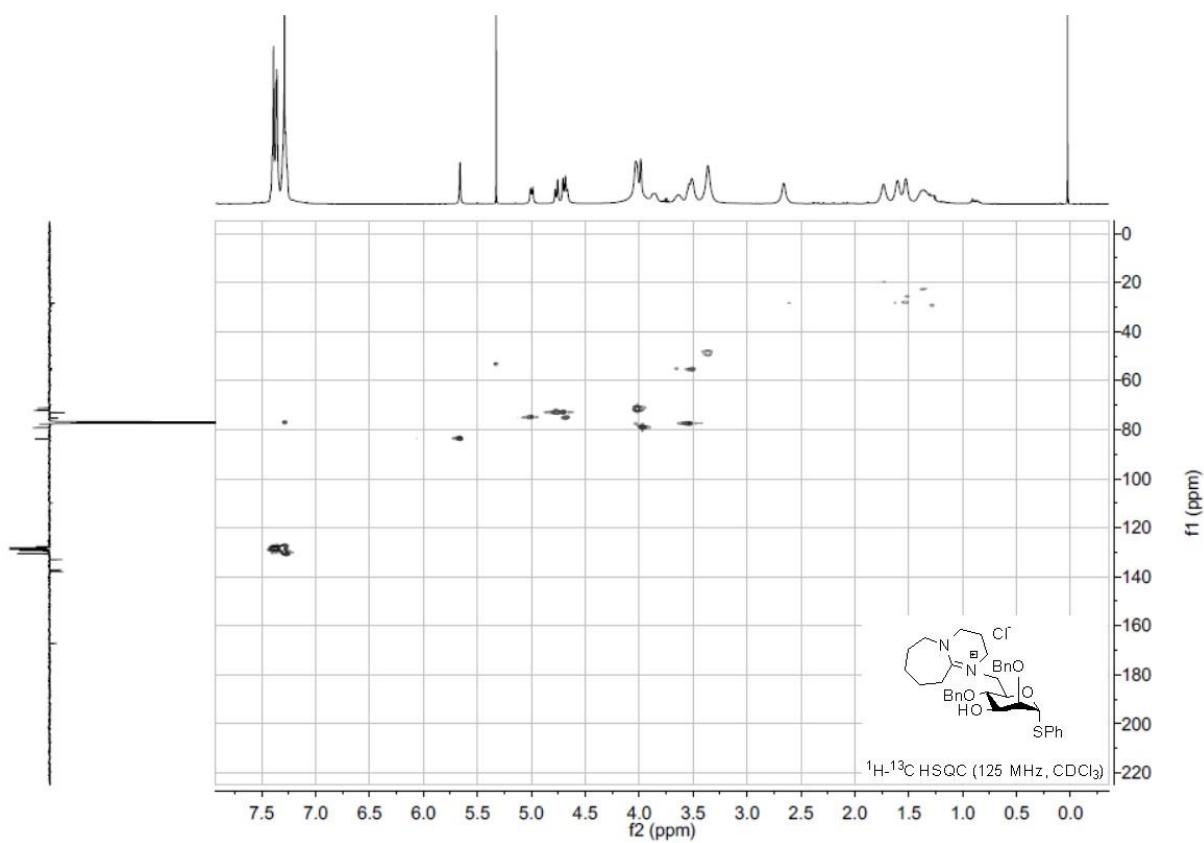
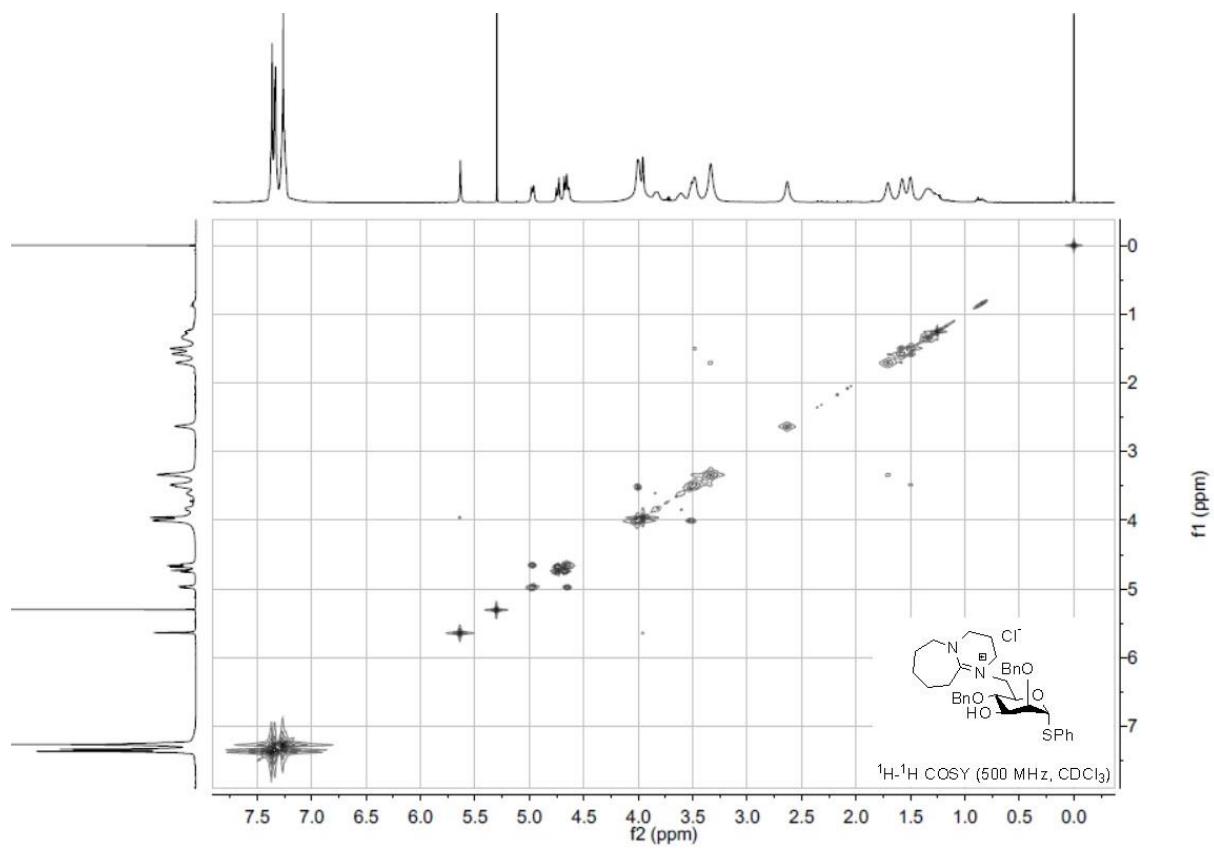
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 48



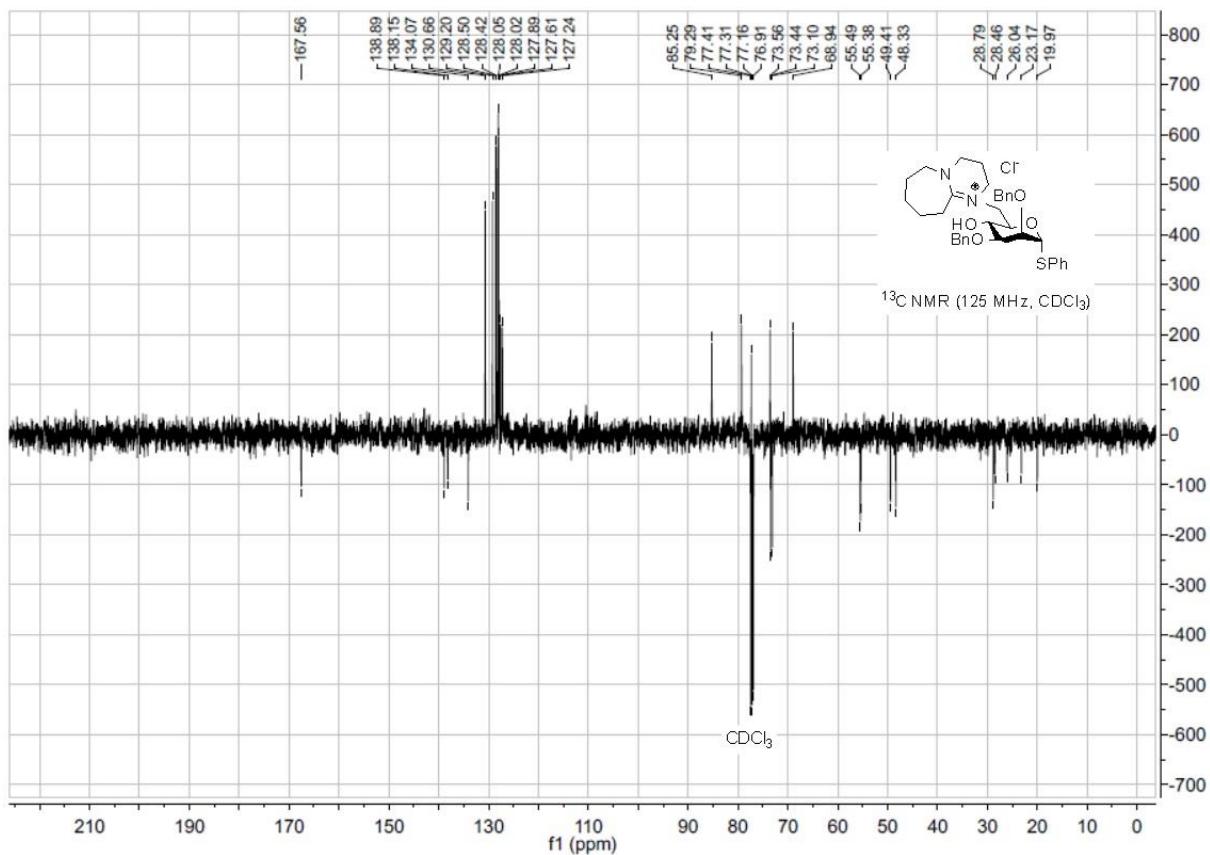
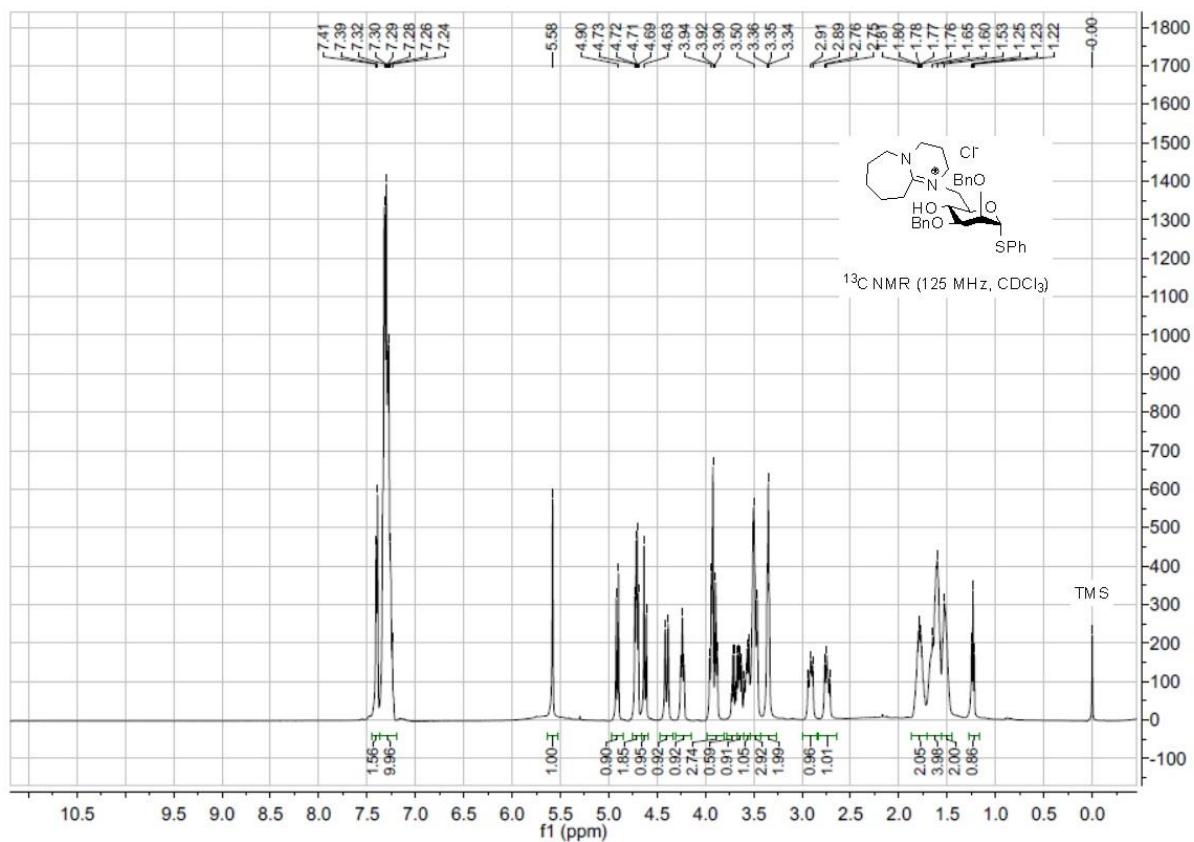


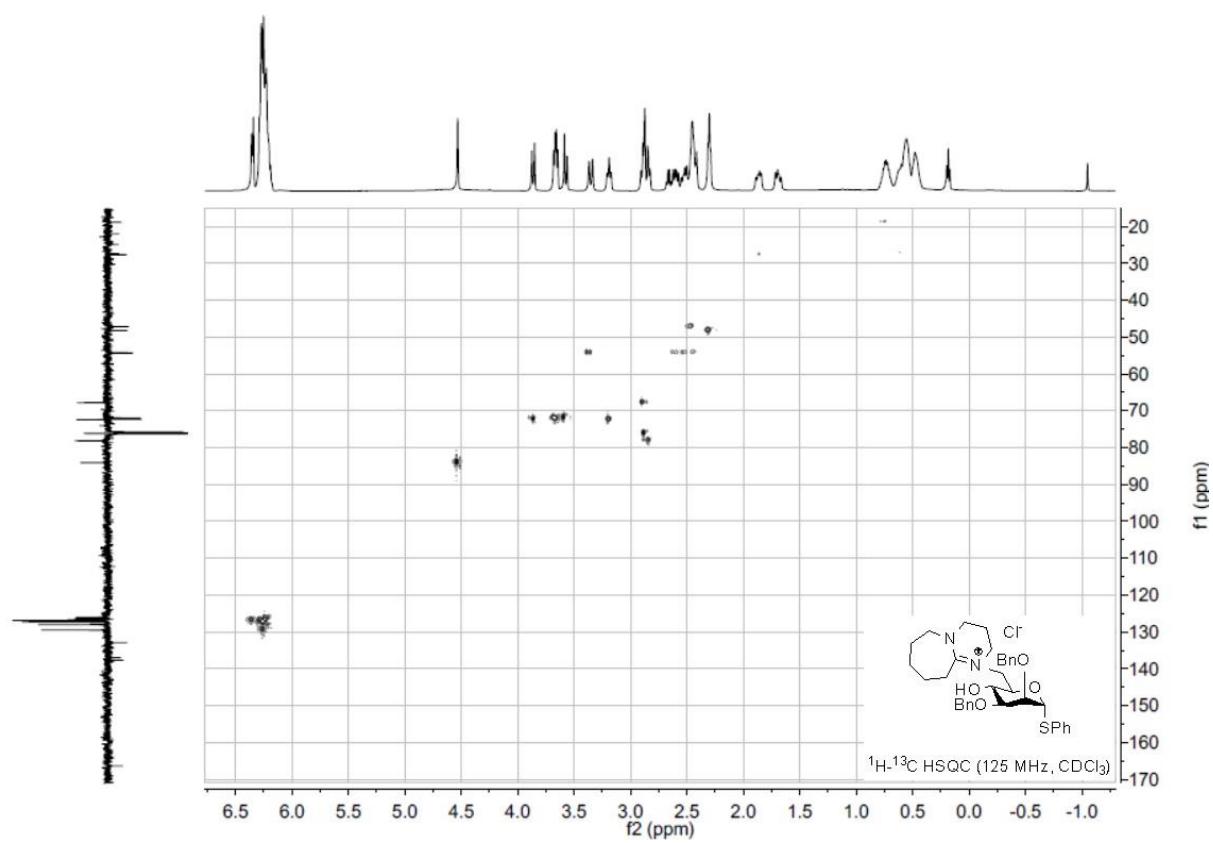
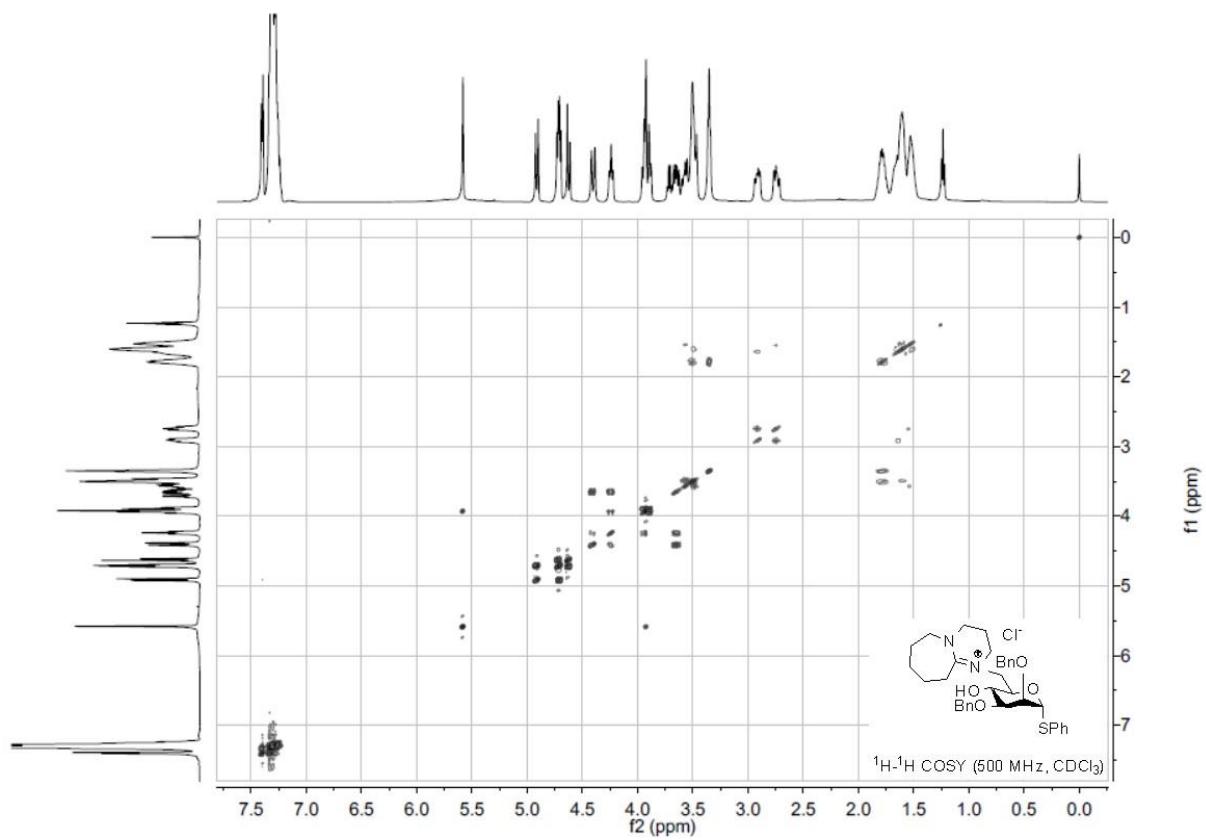
### <sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 49



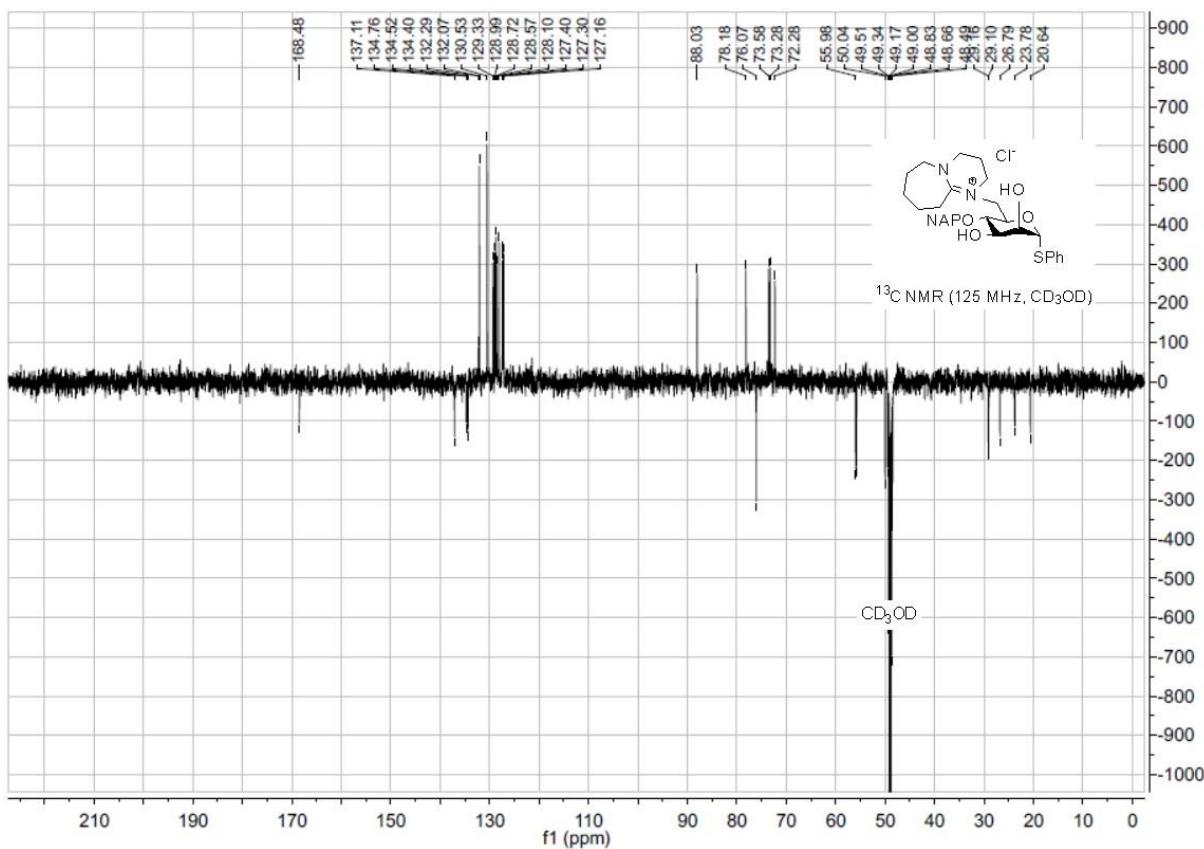
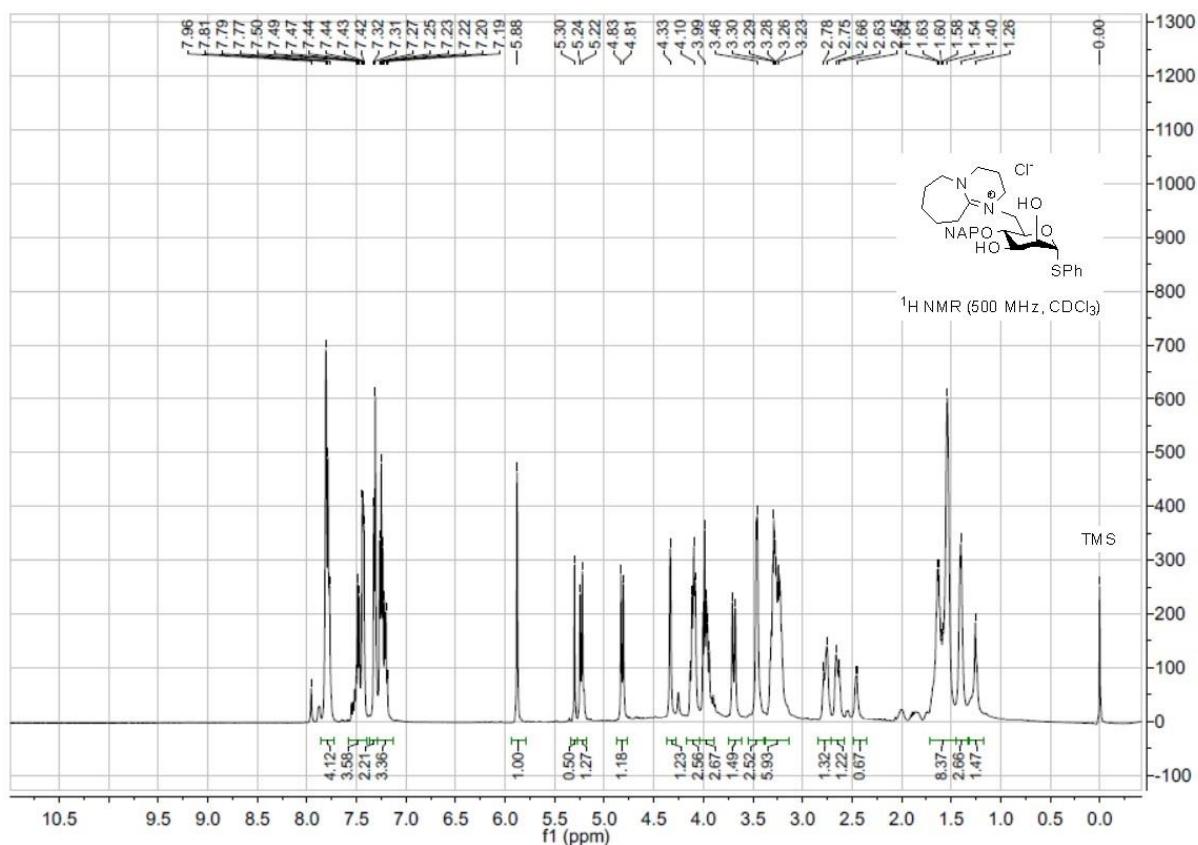


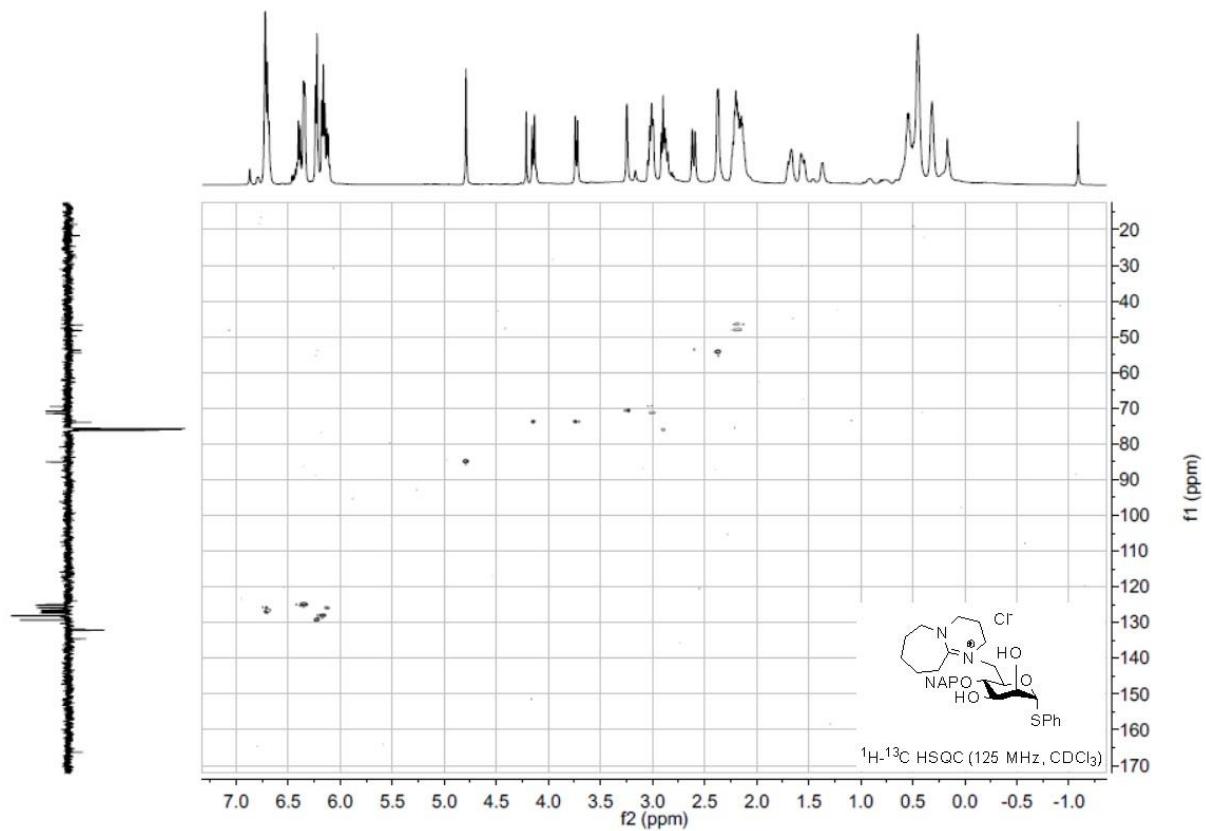
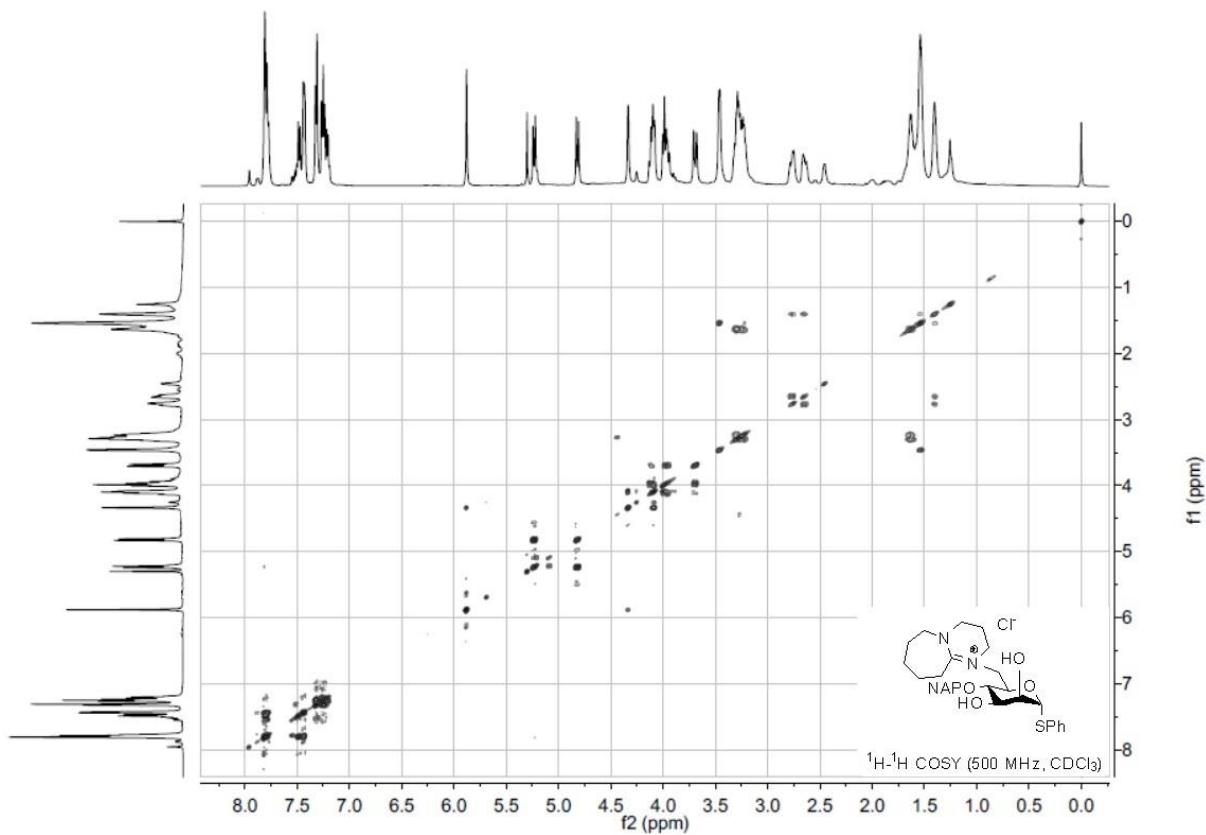
### <sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 50



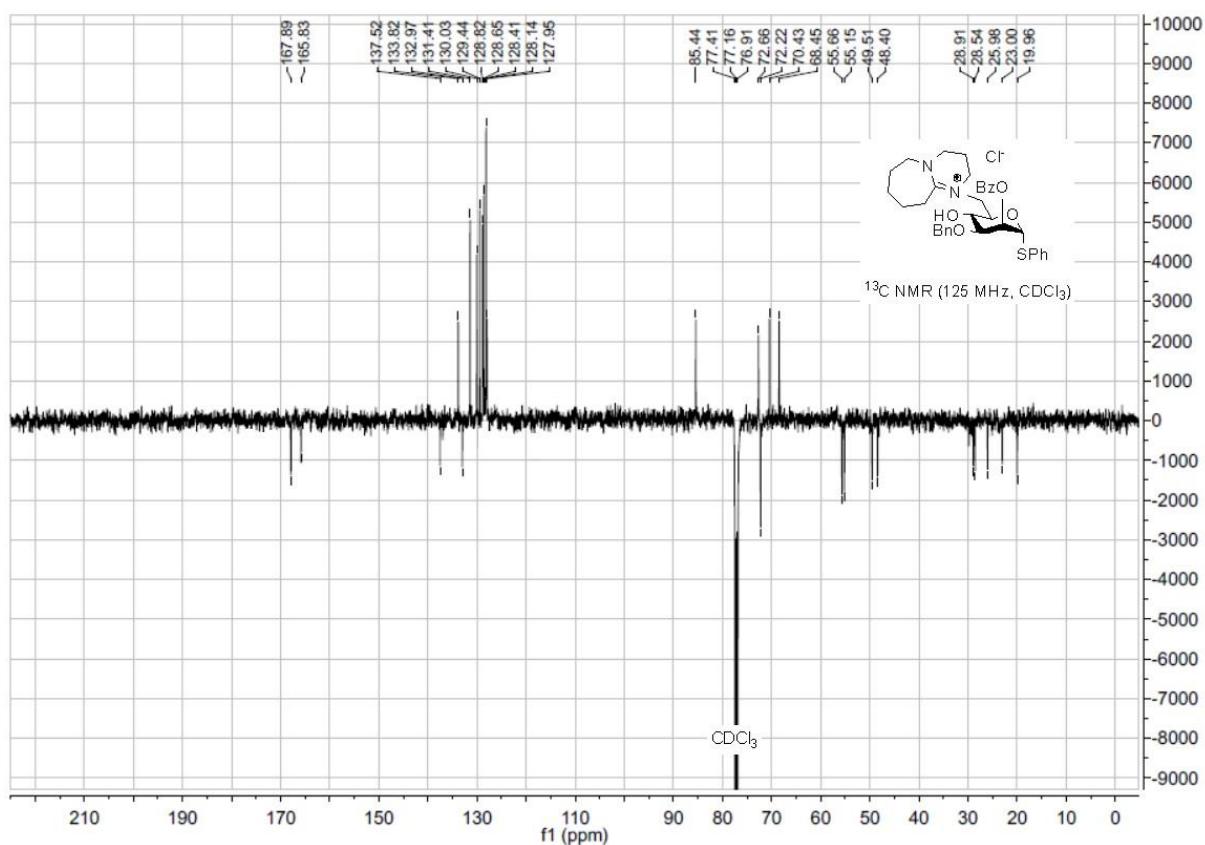
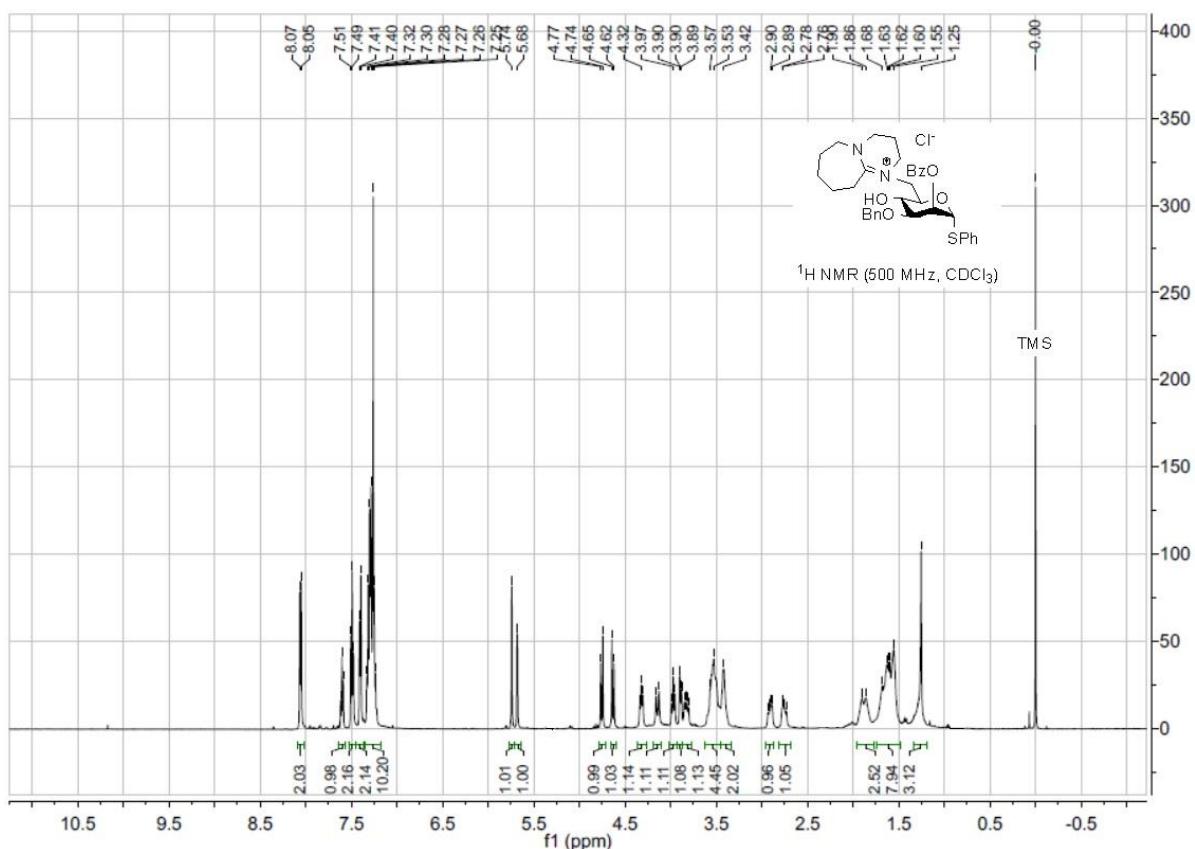


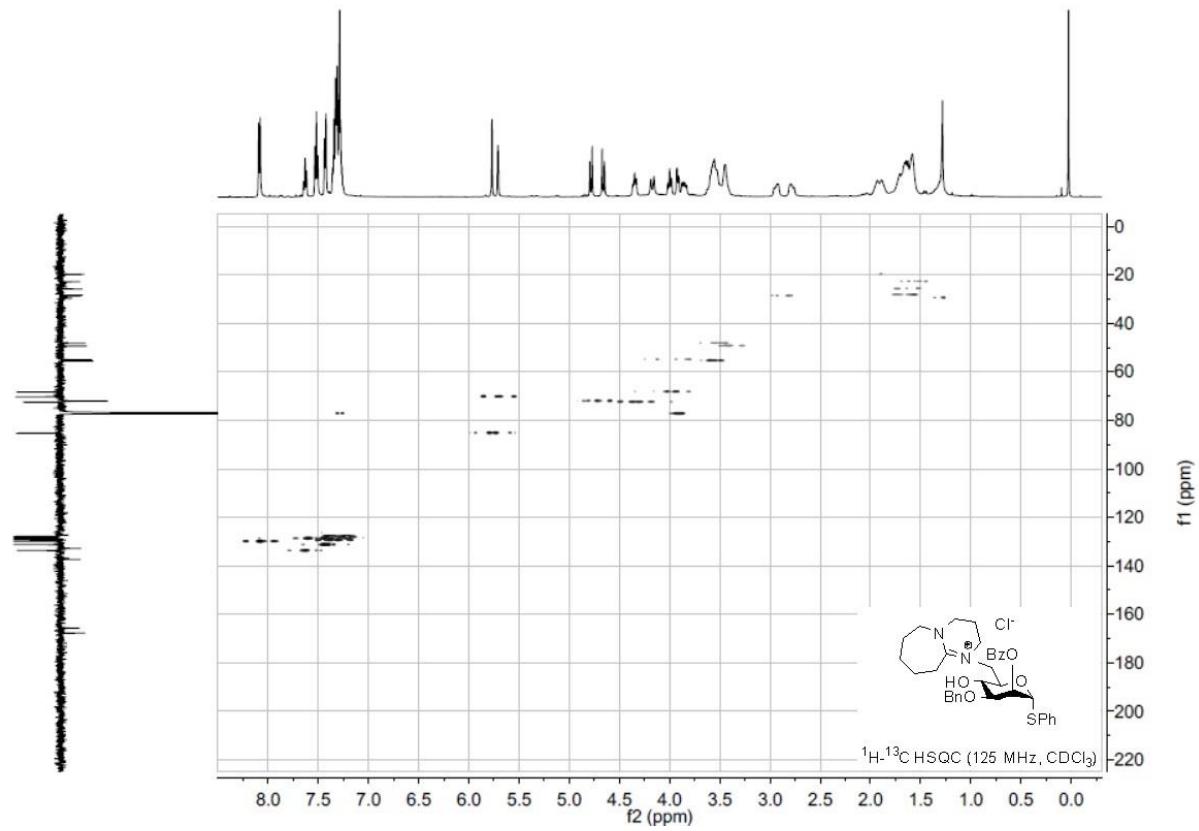
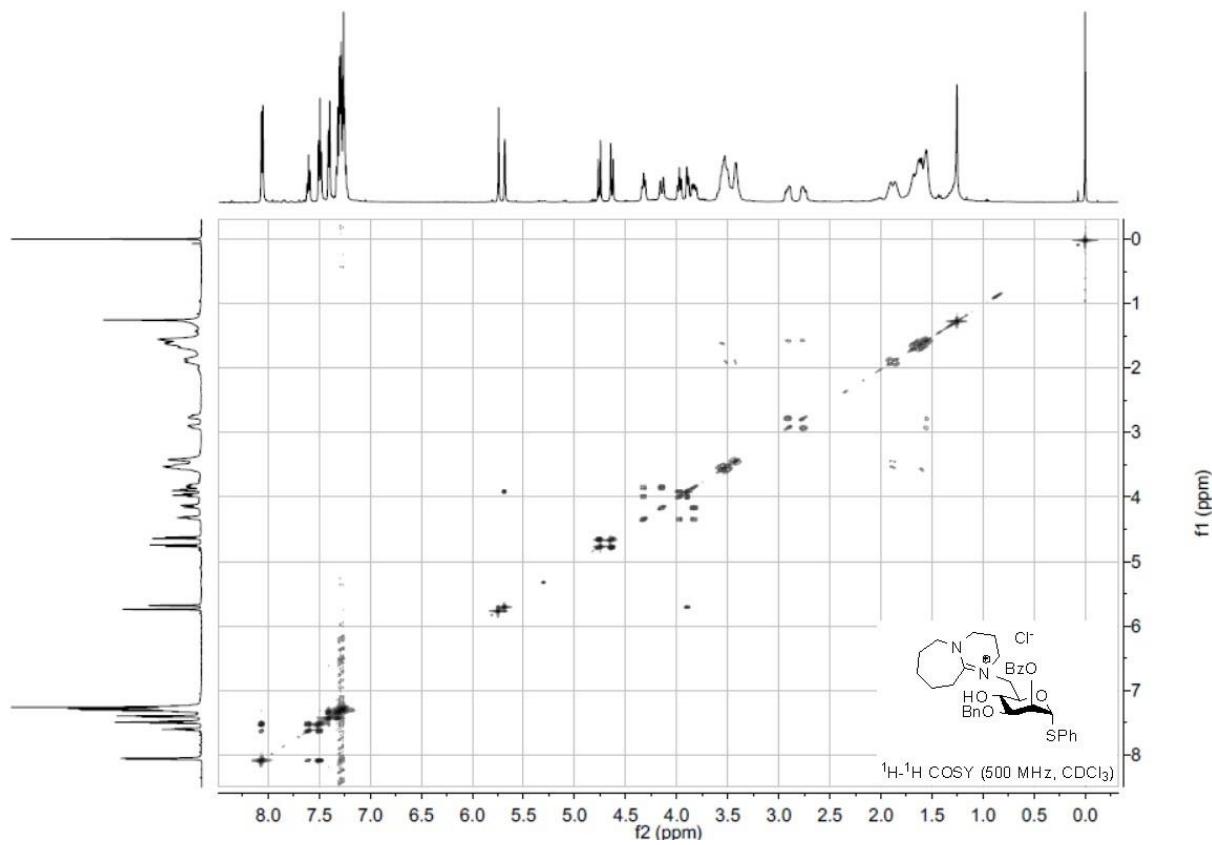
<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 51





<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 52





<sup>1</sup>H and <sup>13</sup>C NMR spectra of compound 53

