

# On the reaction of 1,3-diphenylisobenzofuran and (2-iodoethynyl)(phenyl)iodonium triflate. A unique case of oxygen transfer from Diels-Alder adduct to the diene.

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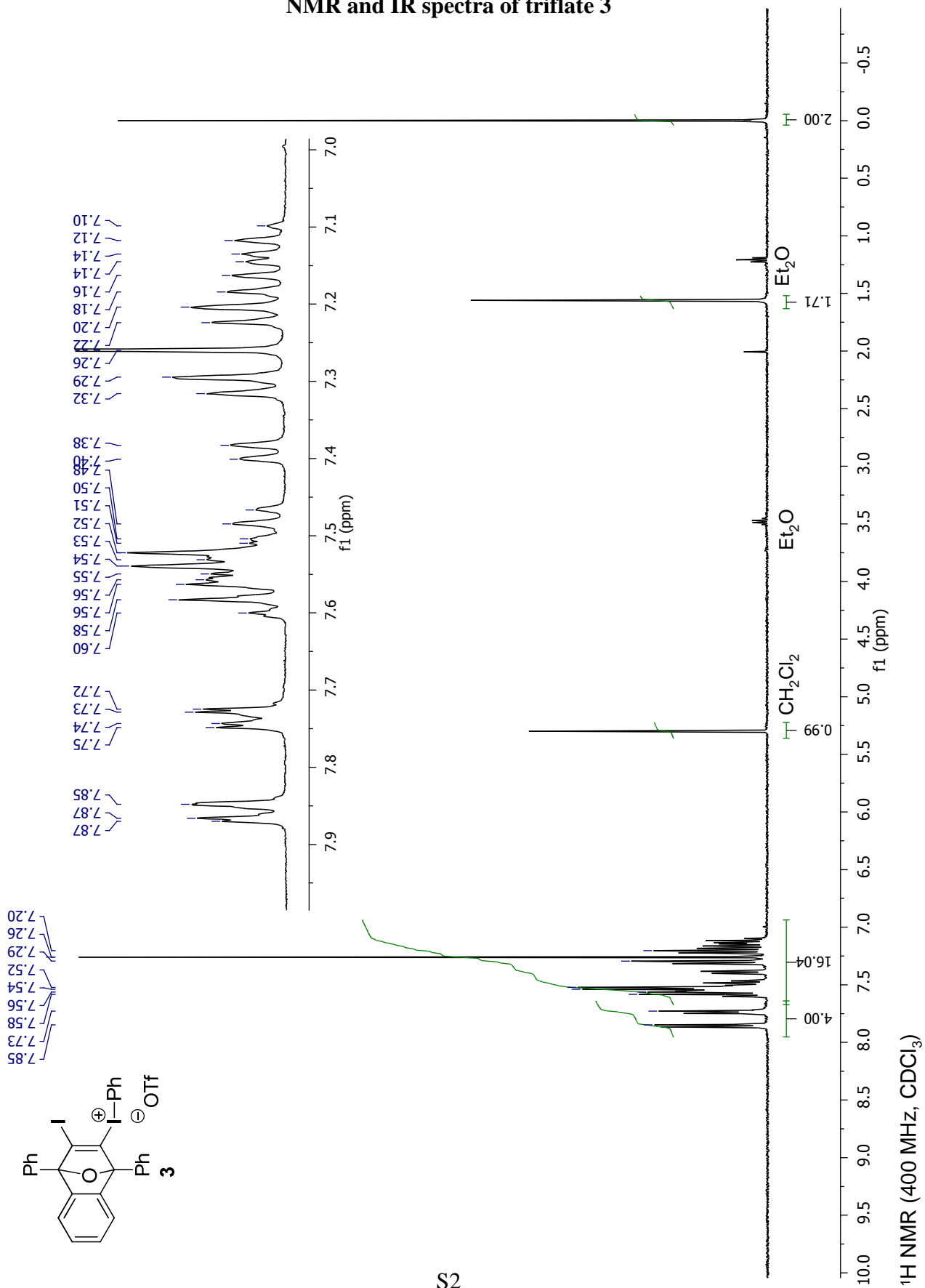
**E.mail:** *camps@ub.edu*

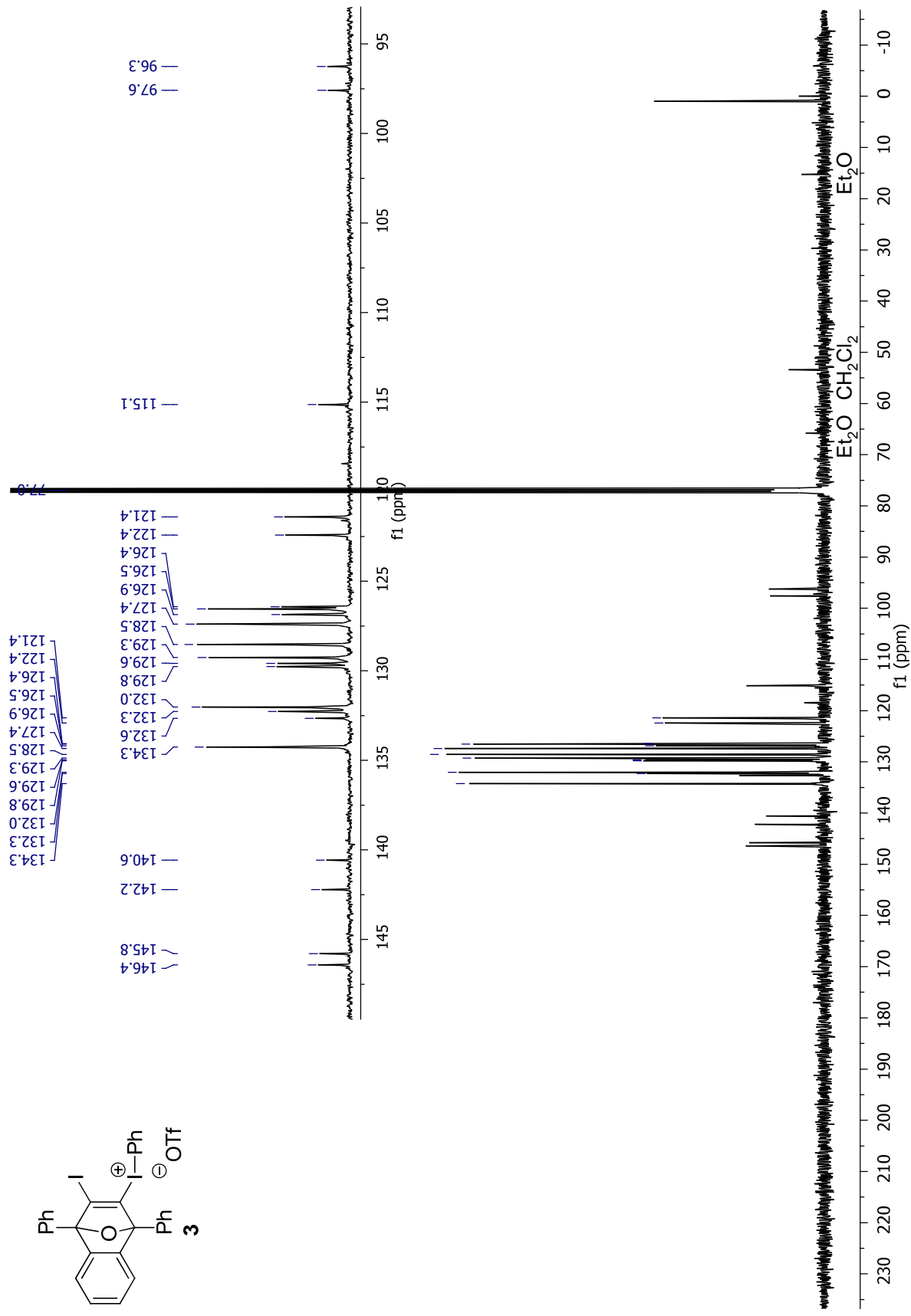
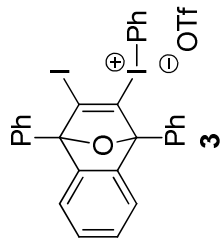
## Supporting information

### Content

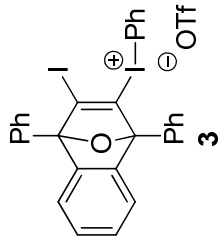
NMR and IR spectra of triflate <b>3</b> .....	S2
NMR and IR spectra of triflate <b>5</b> .....	S8
NMR and IR spectra of diiodide <b>6</b> .....	S14
NMR and IR spectra of diiodide <b>7</b> .....	S18

# NMR and IR spectra of triflate 3

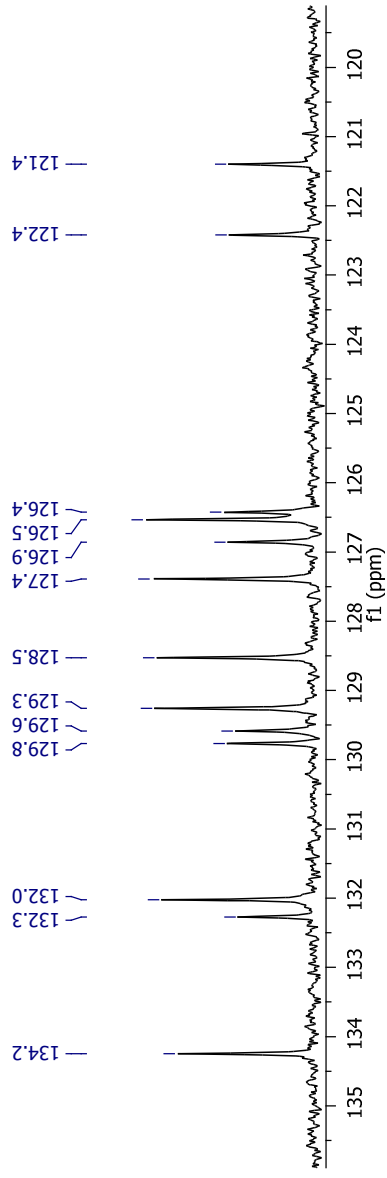




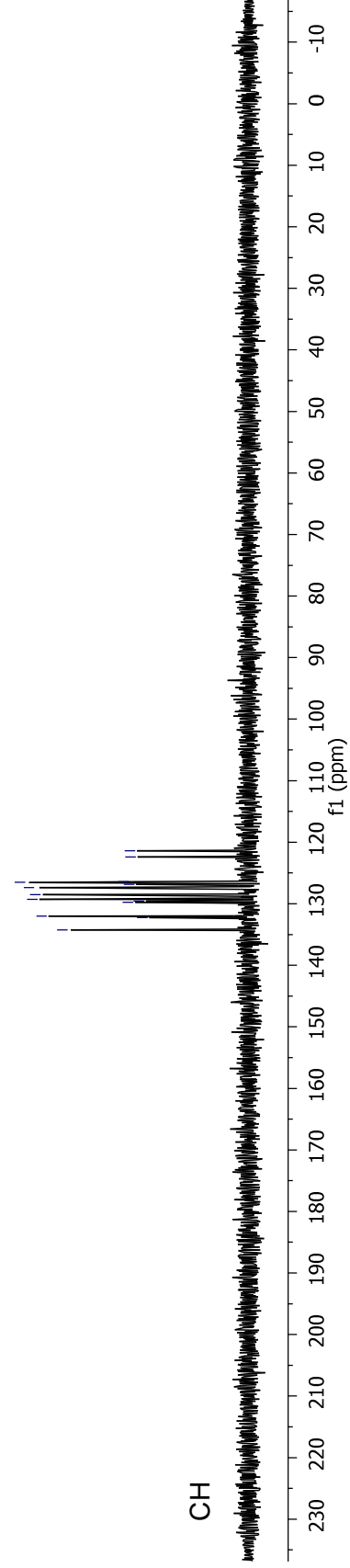
<sup>13</sup>C NMR (100.6 MHz, CDCl<sub>3</sub>)



134.2  
132.3  
132.0  
129.8  
129.6  
129.3  
128.5  
127.4  
126.9  
126.5  
126.4  
122.4  
121.4

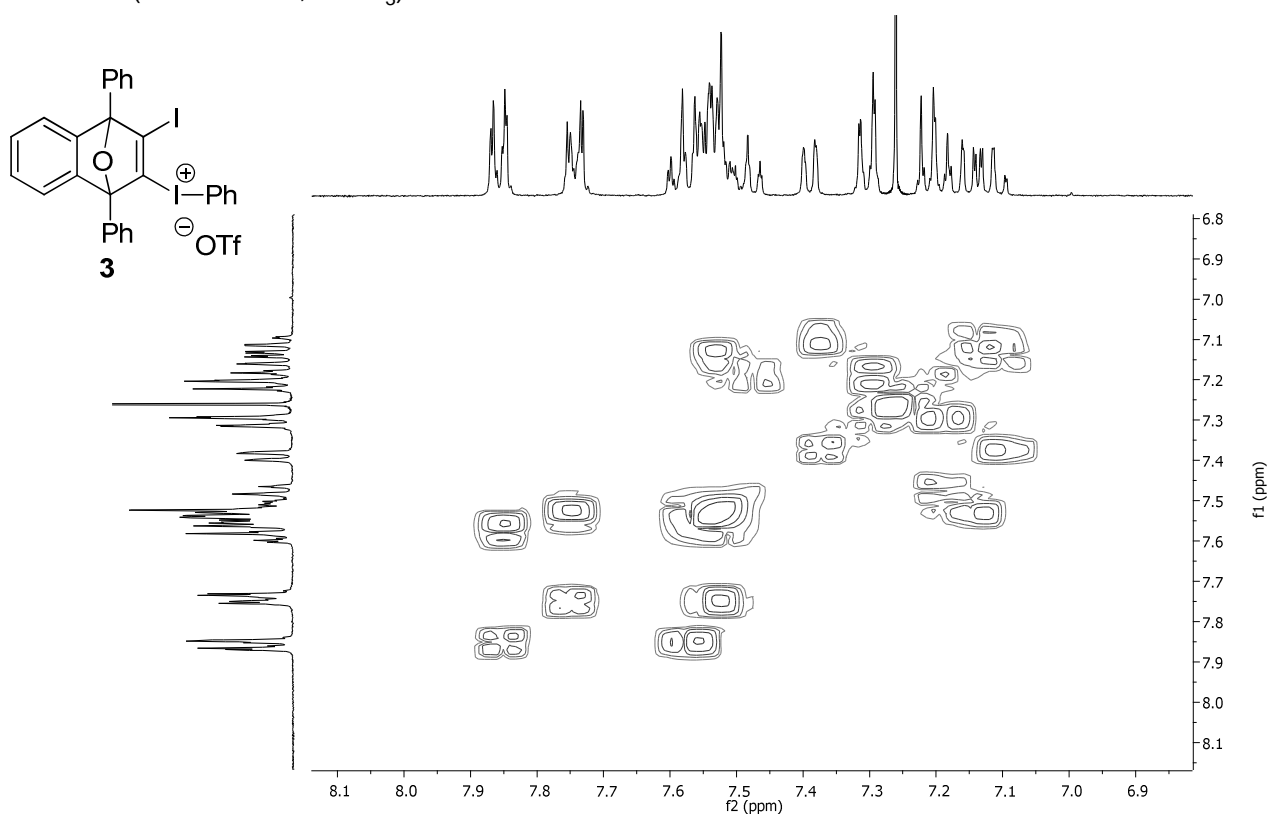
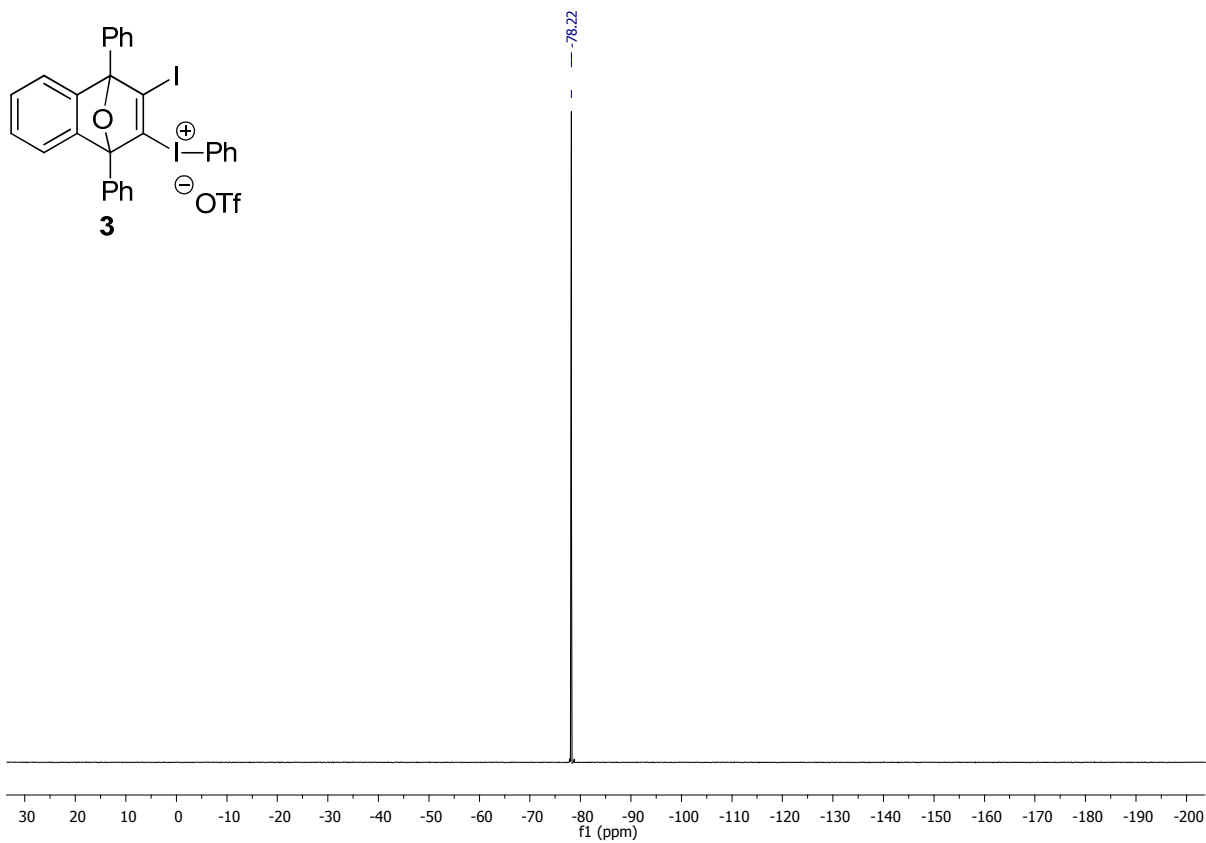


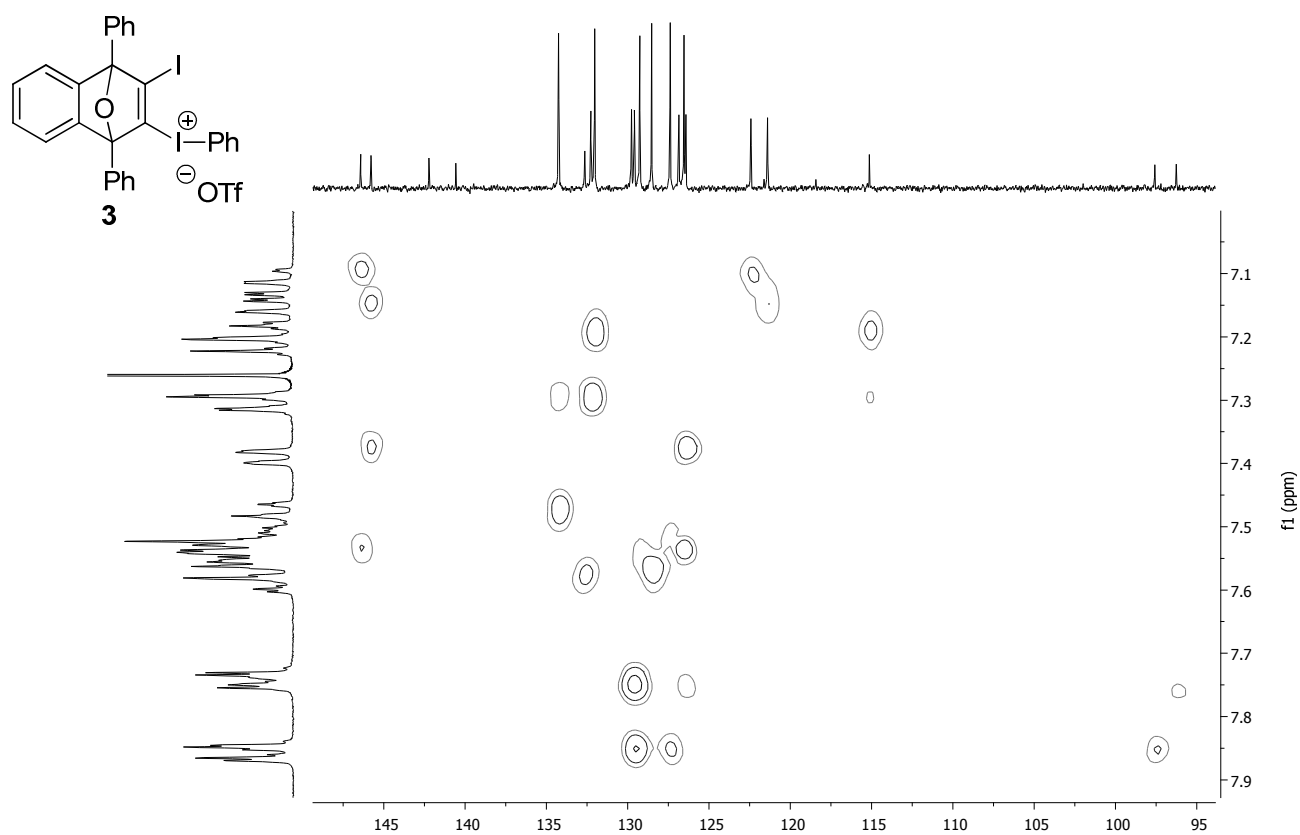
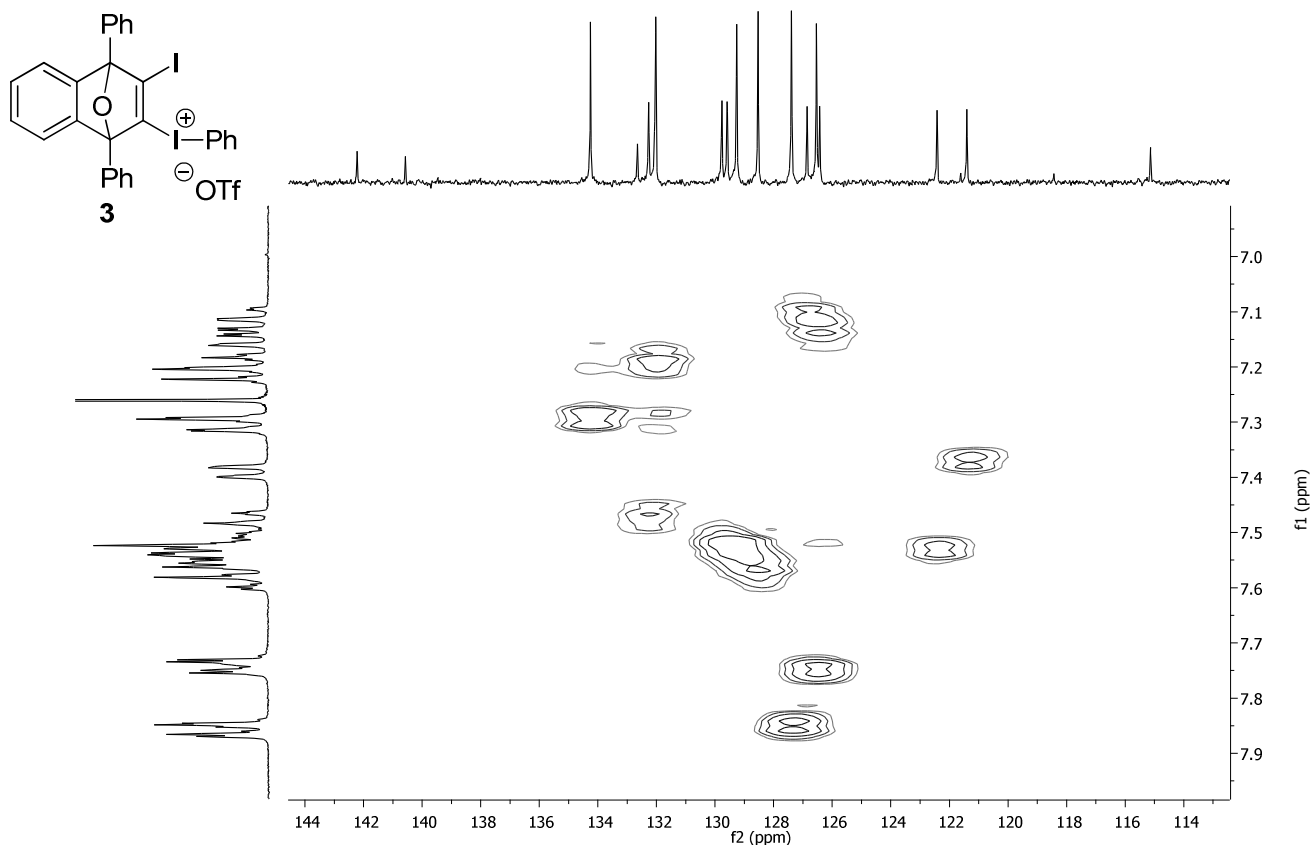
S4

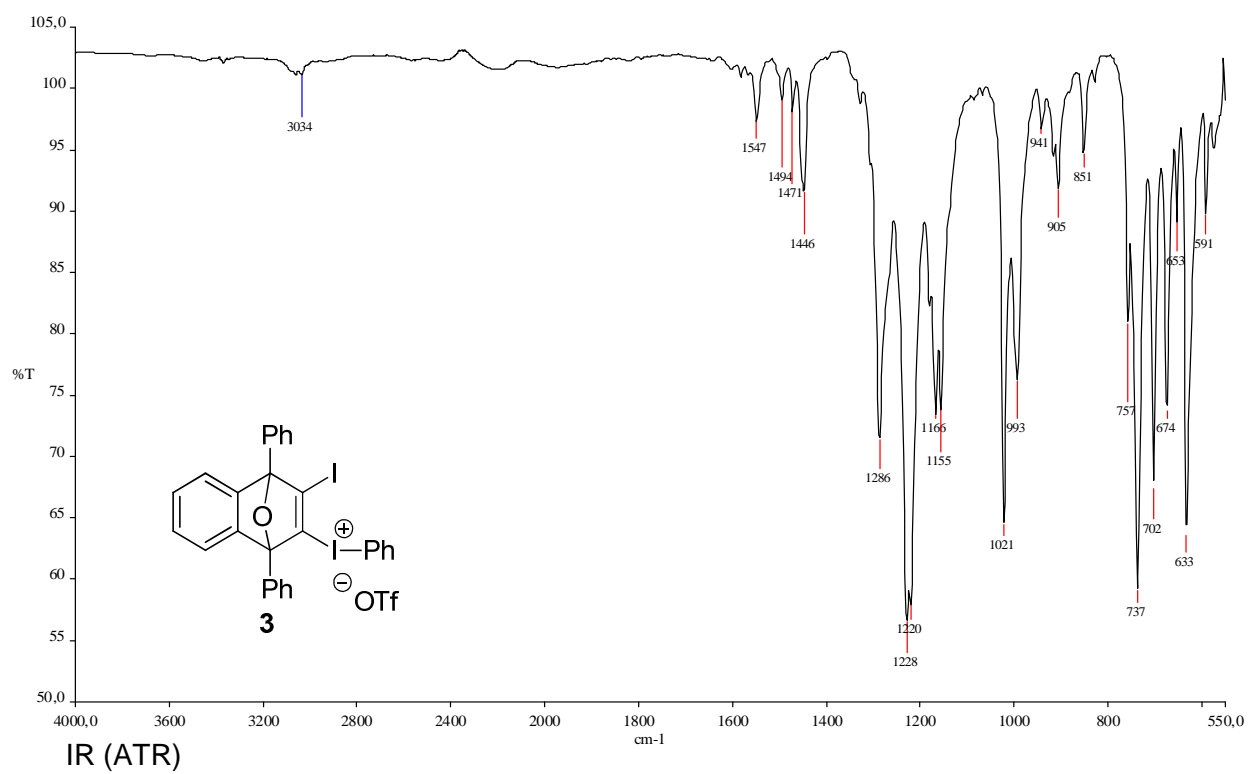


CH

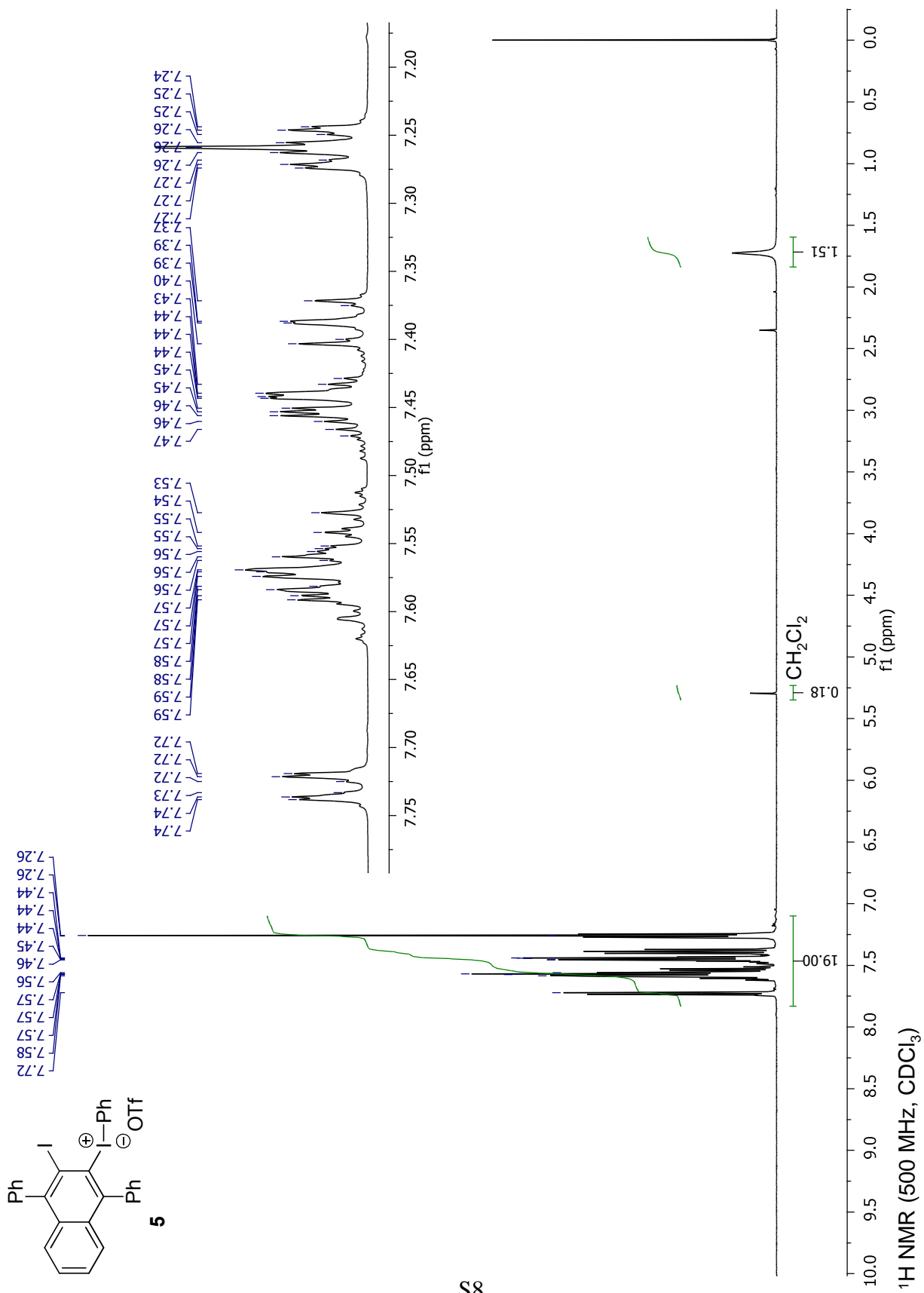
DEPT (100.6 MHz, CDCl<sub>3</sub>)



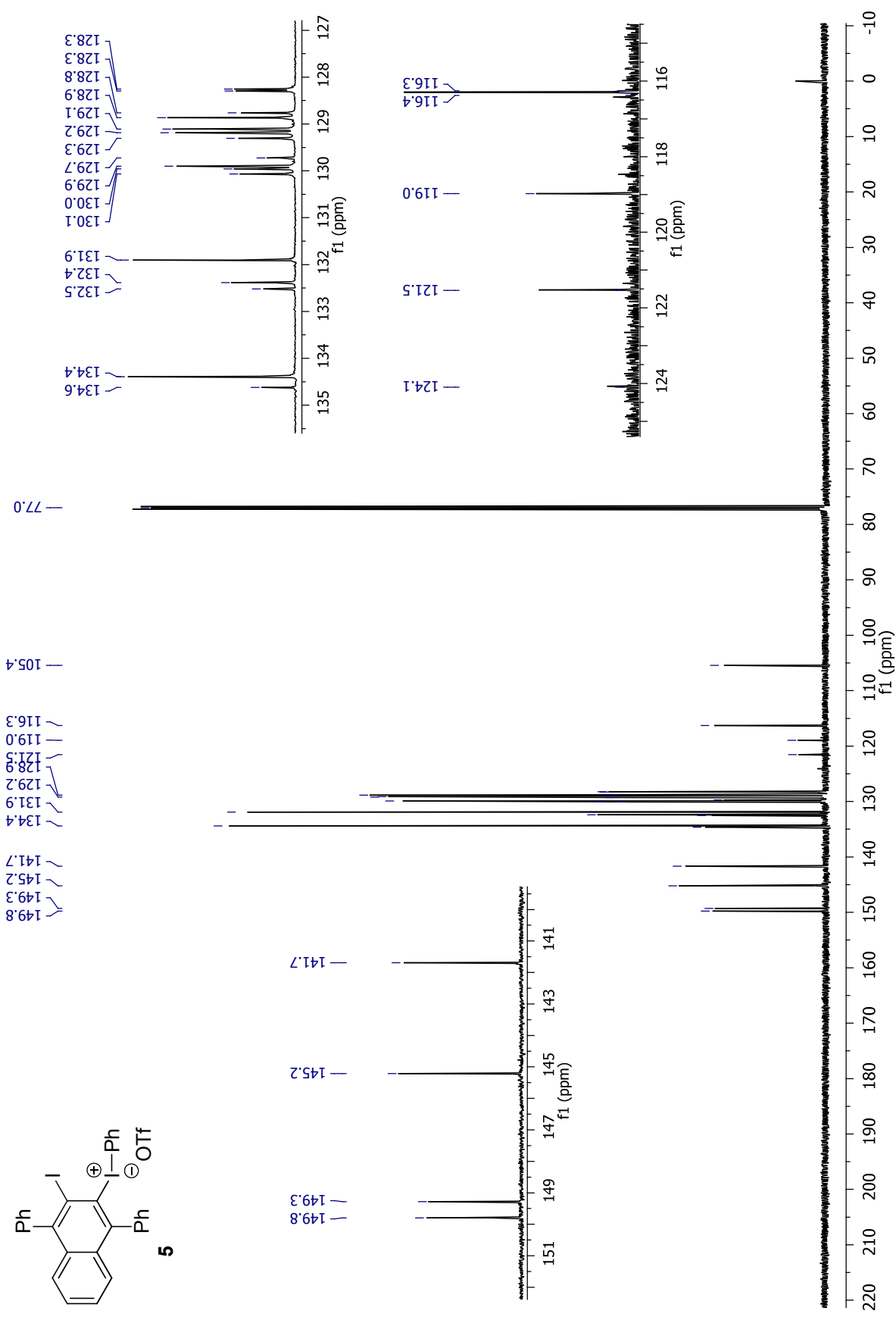
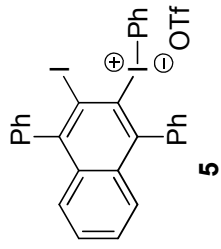


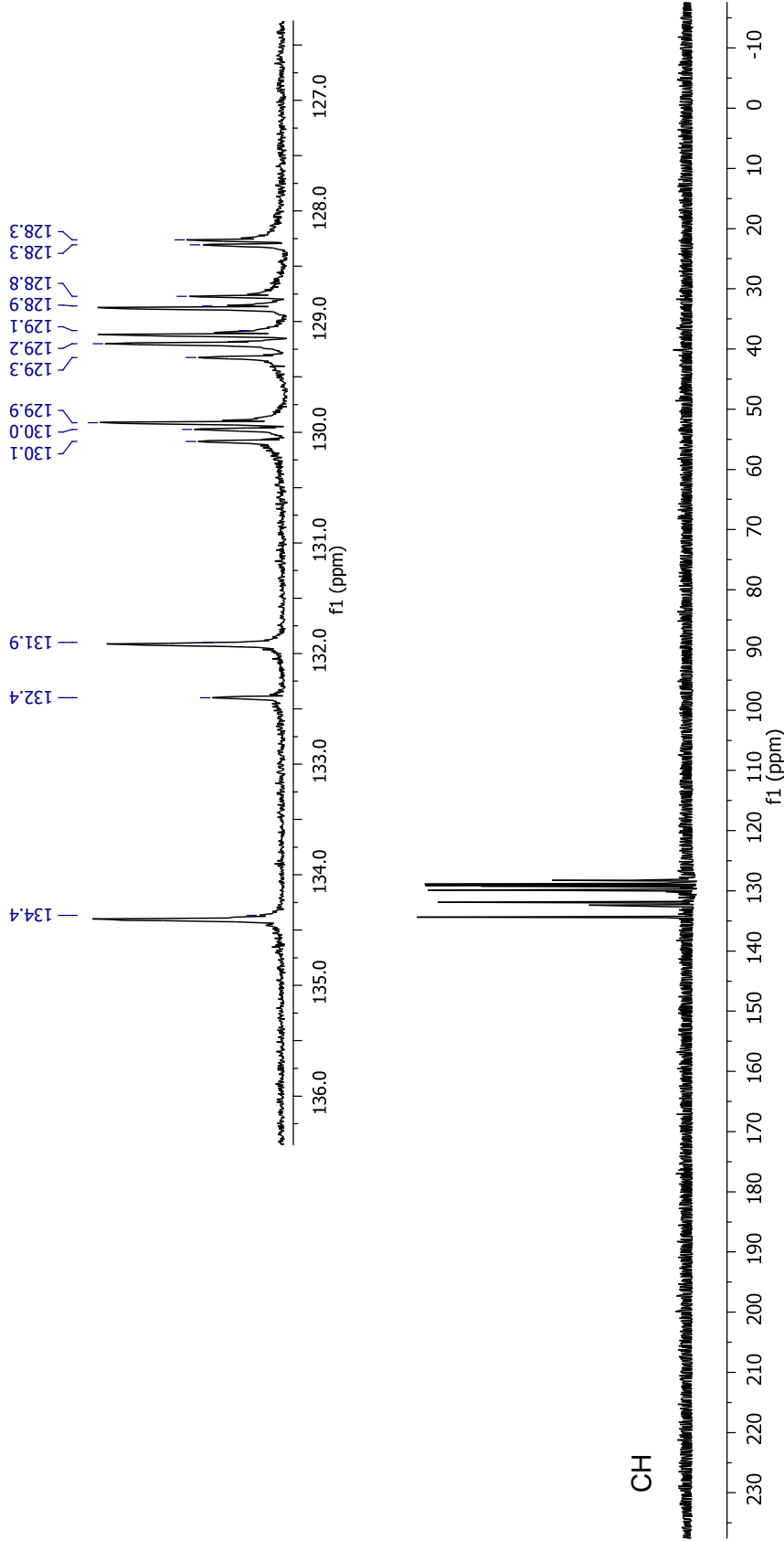
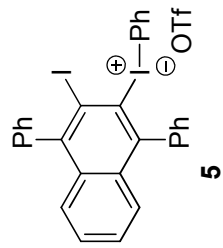


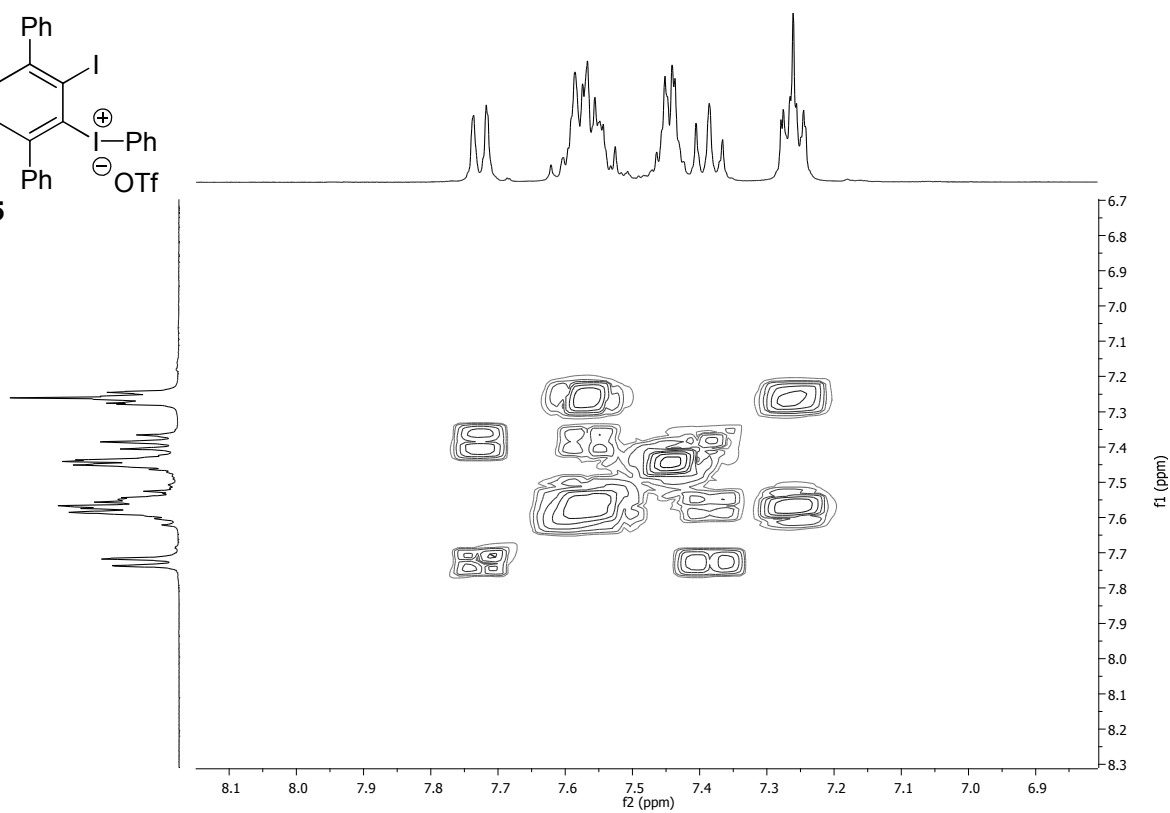
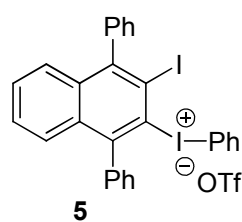
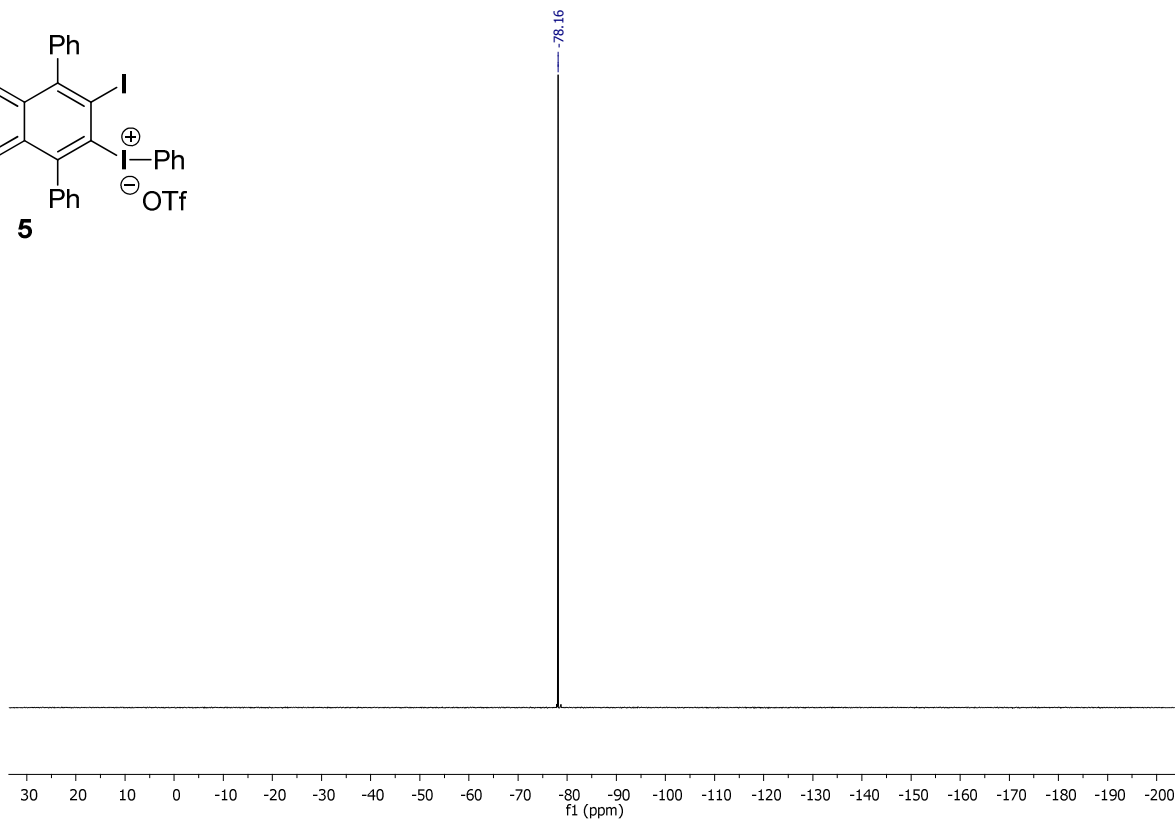
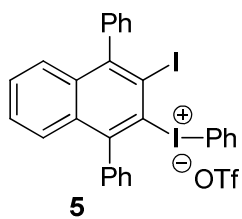
# NMR and IR spectra of triflate 5

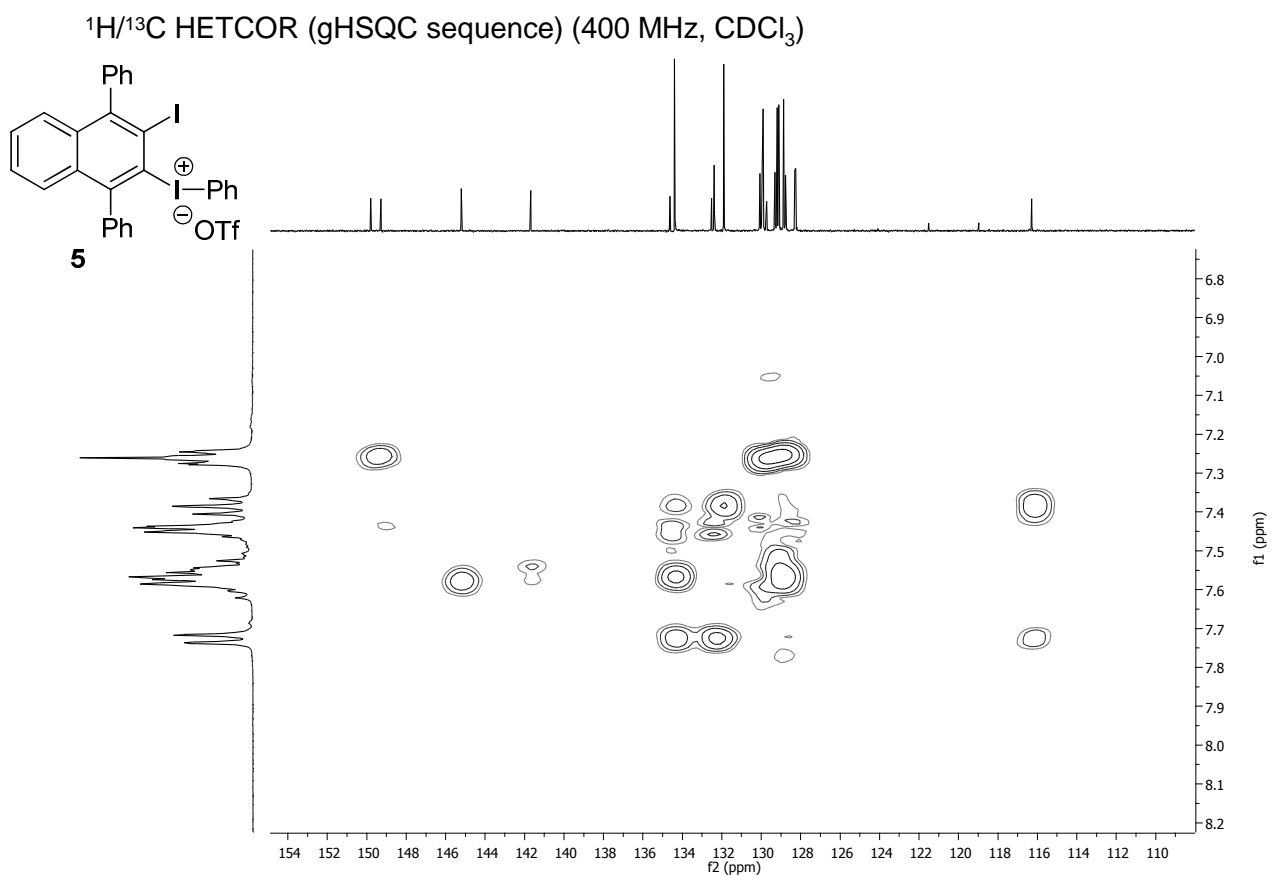
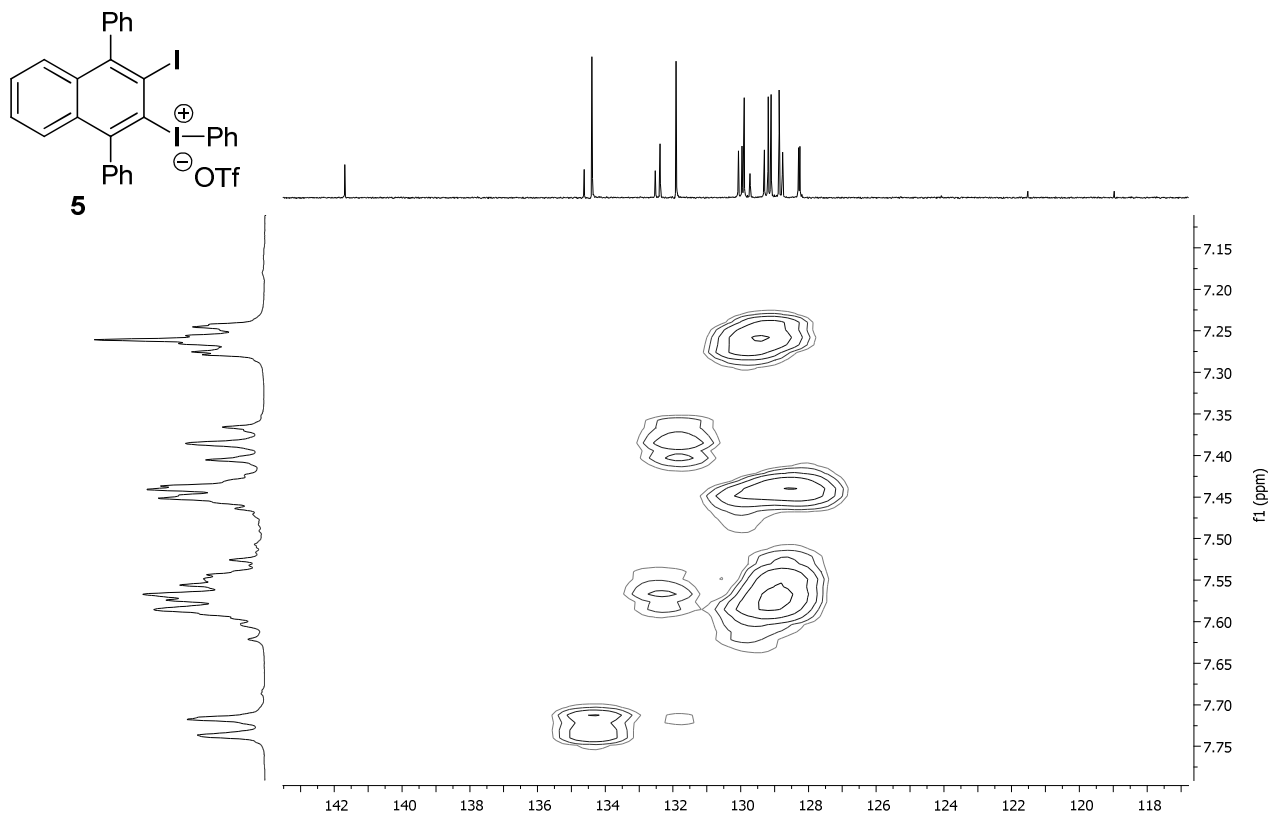


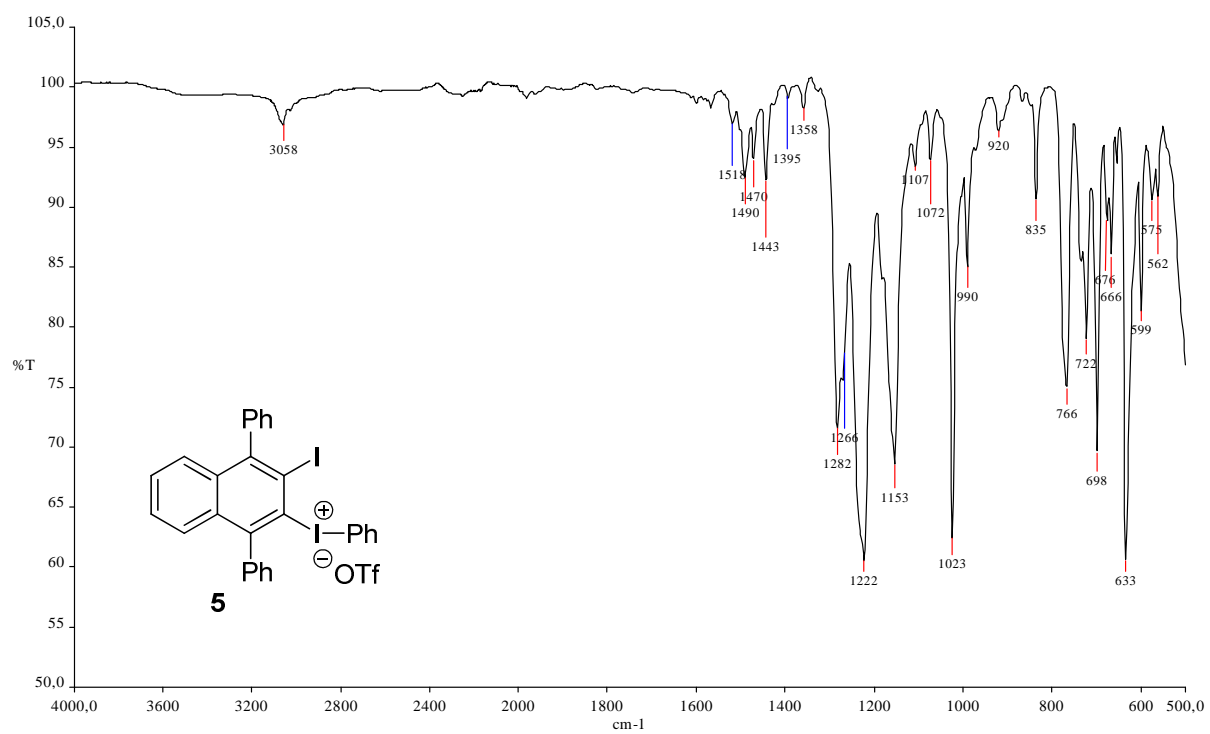






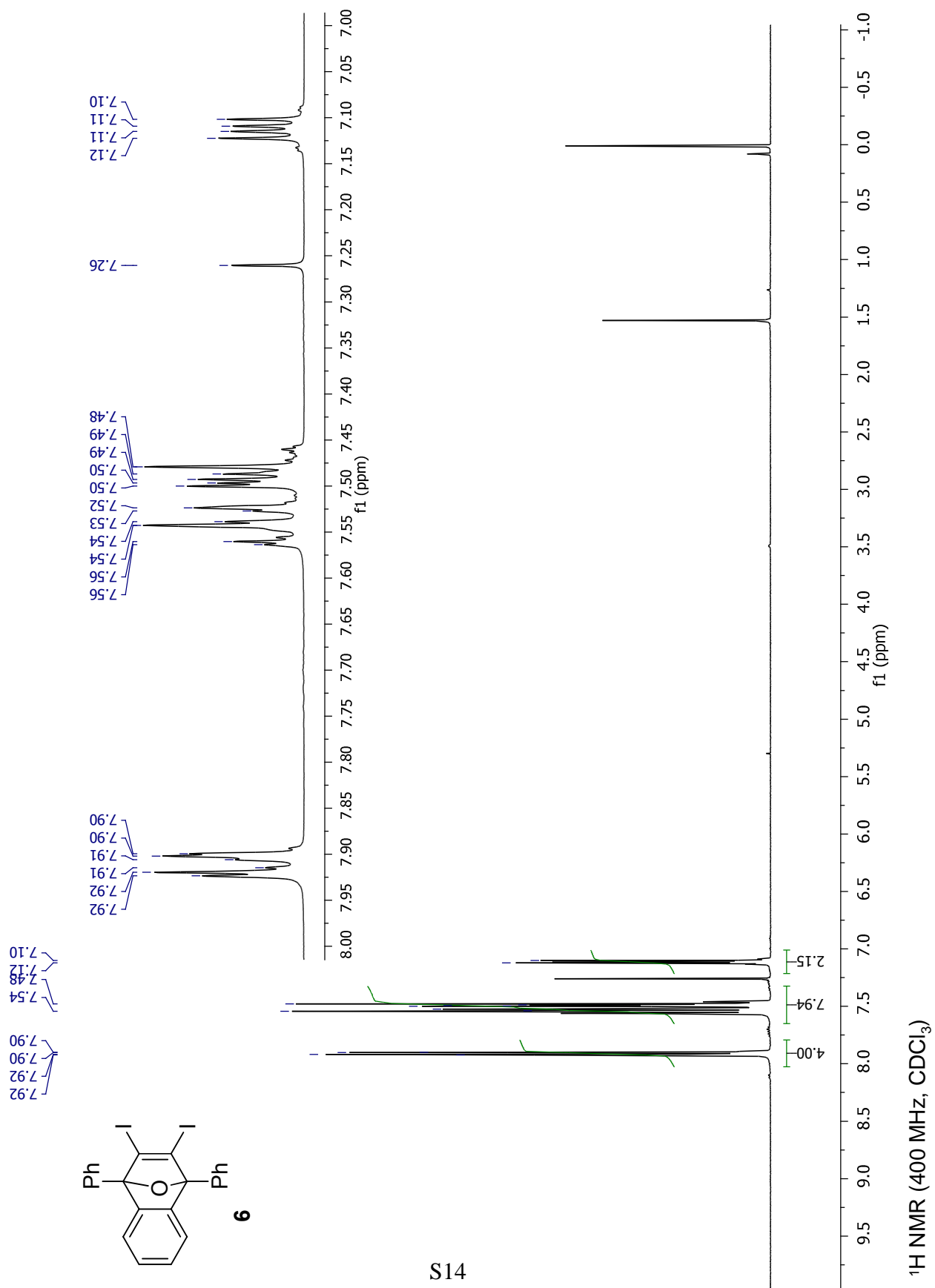


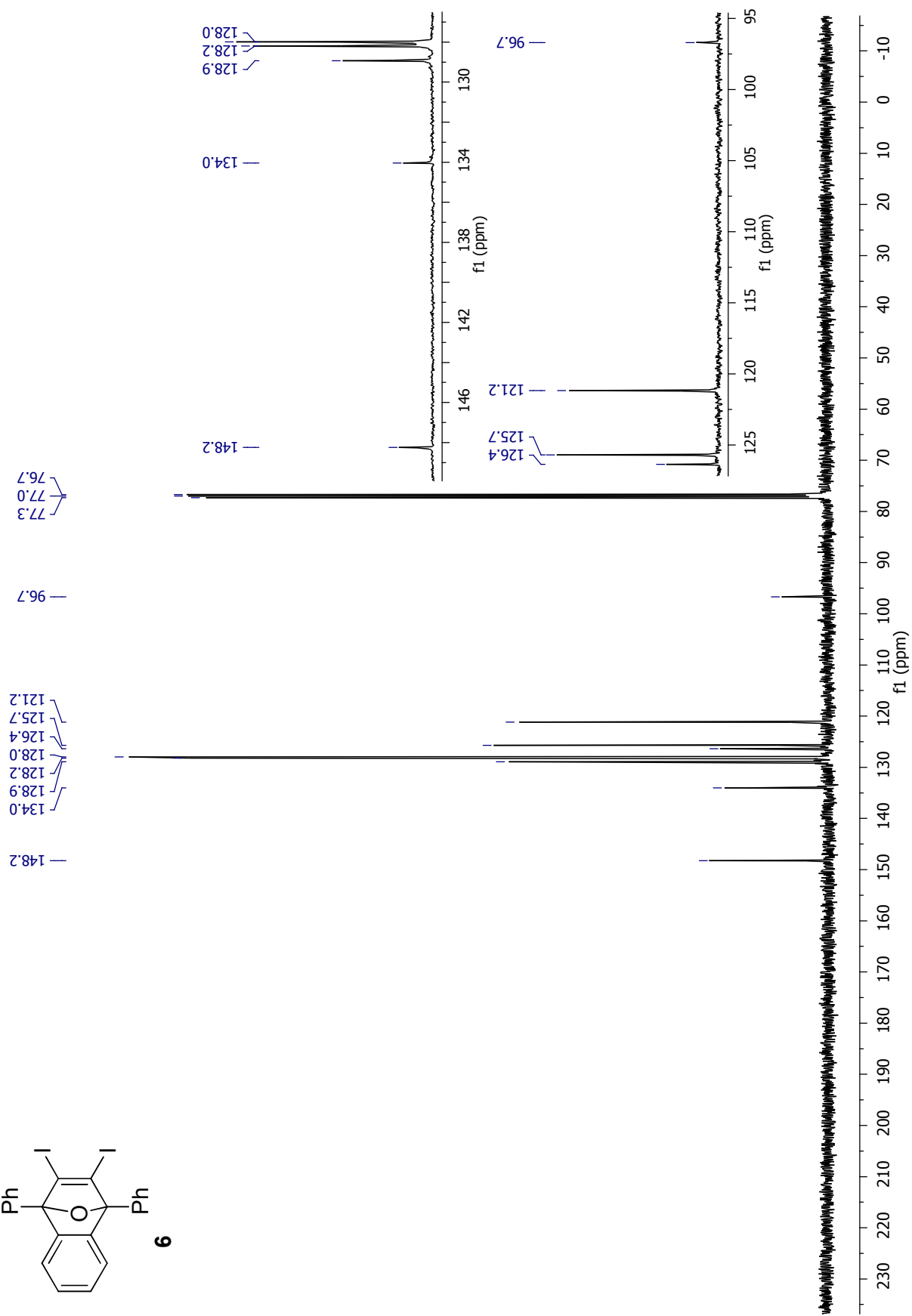
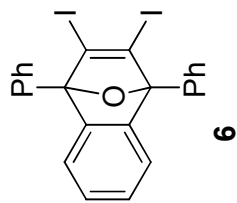


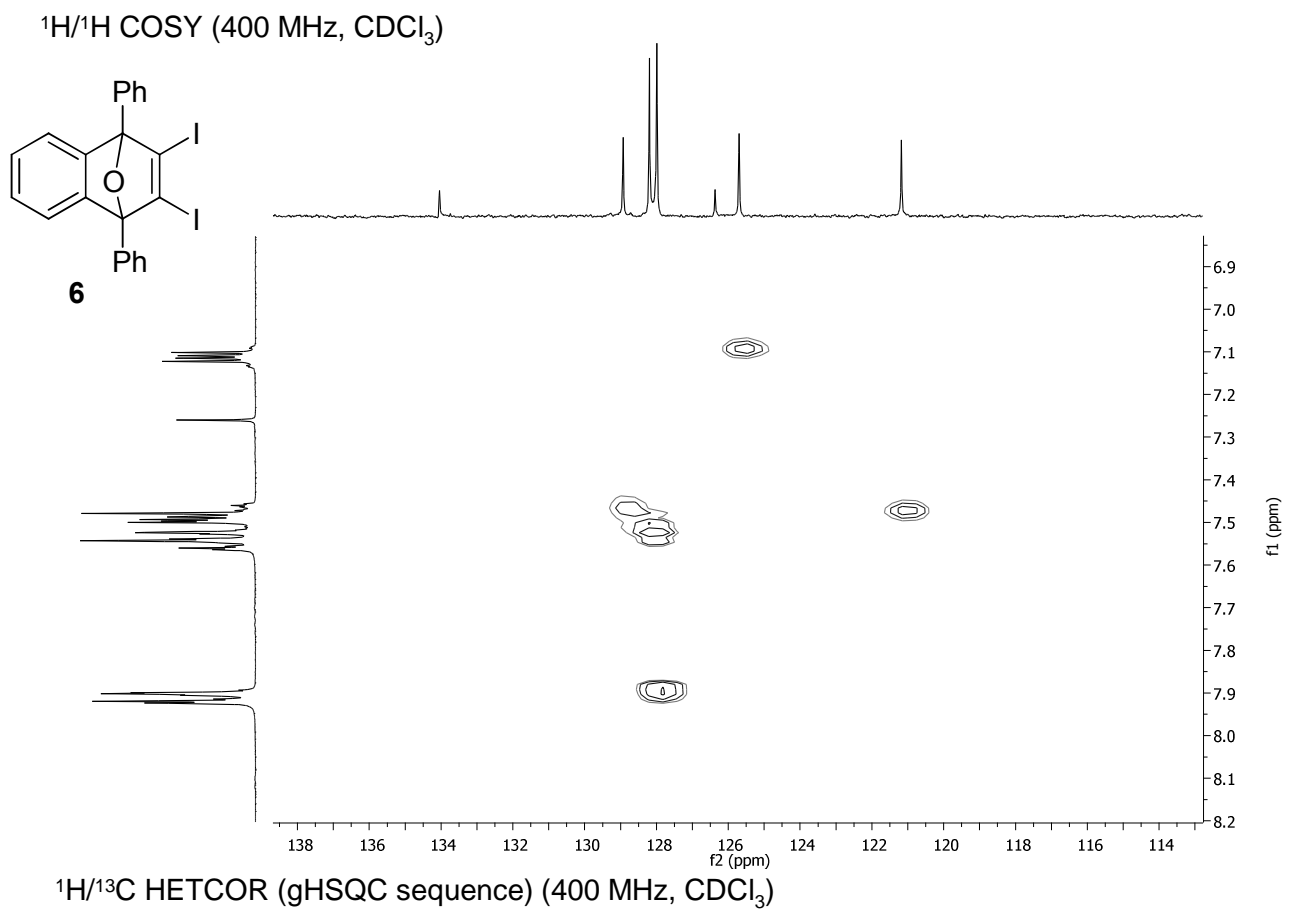
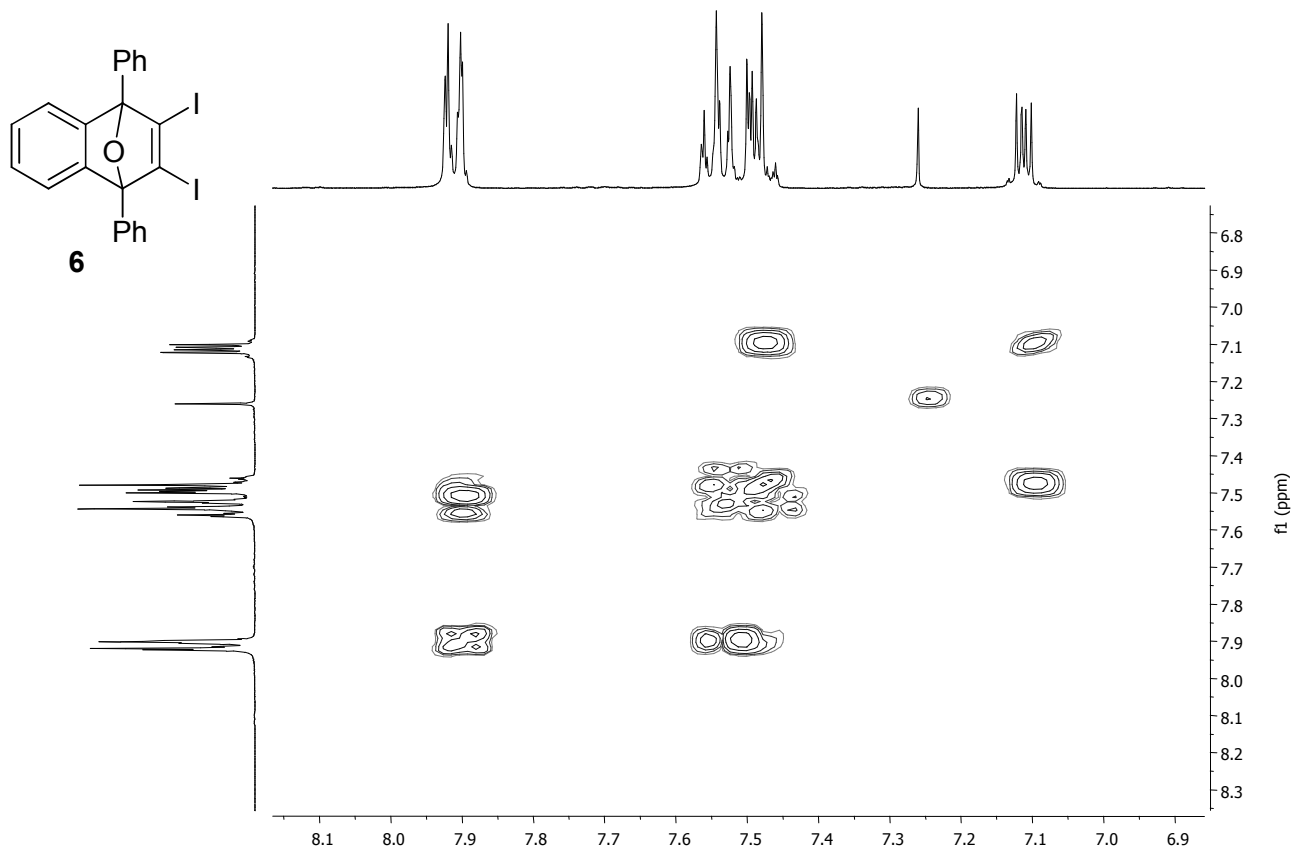


IR (ATR)

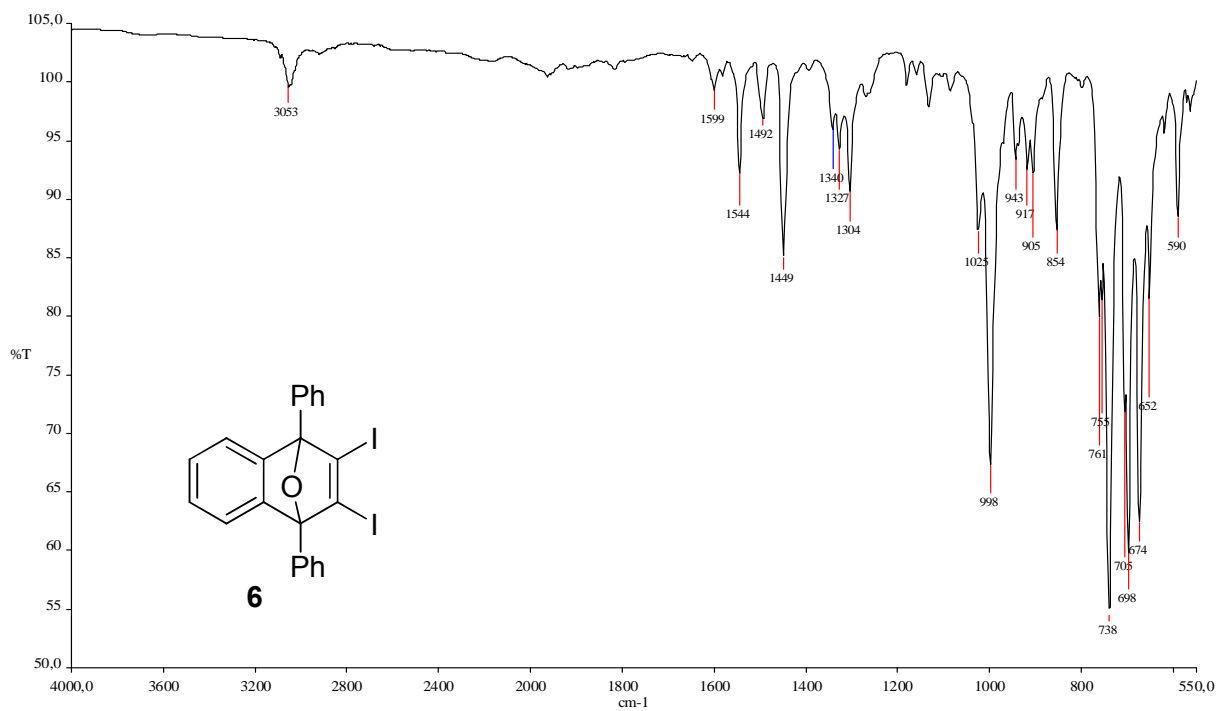
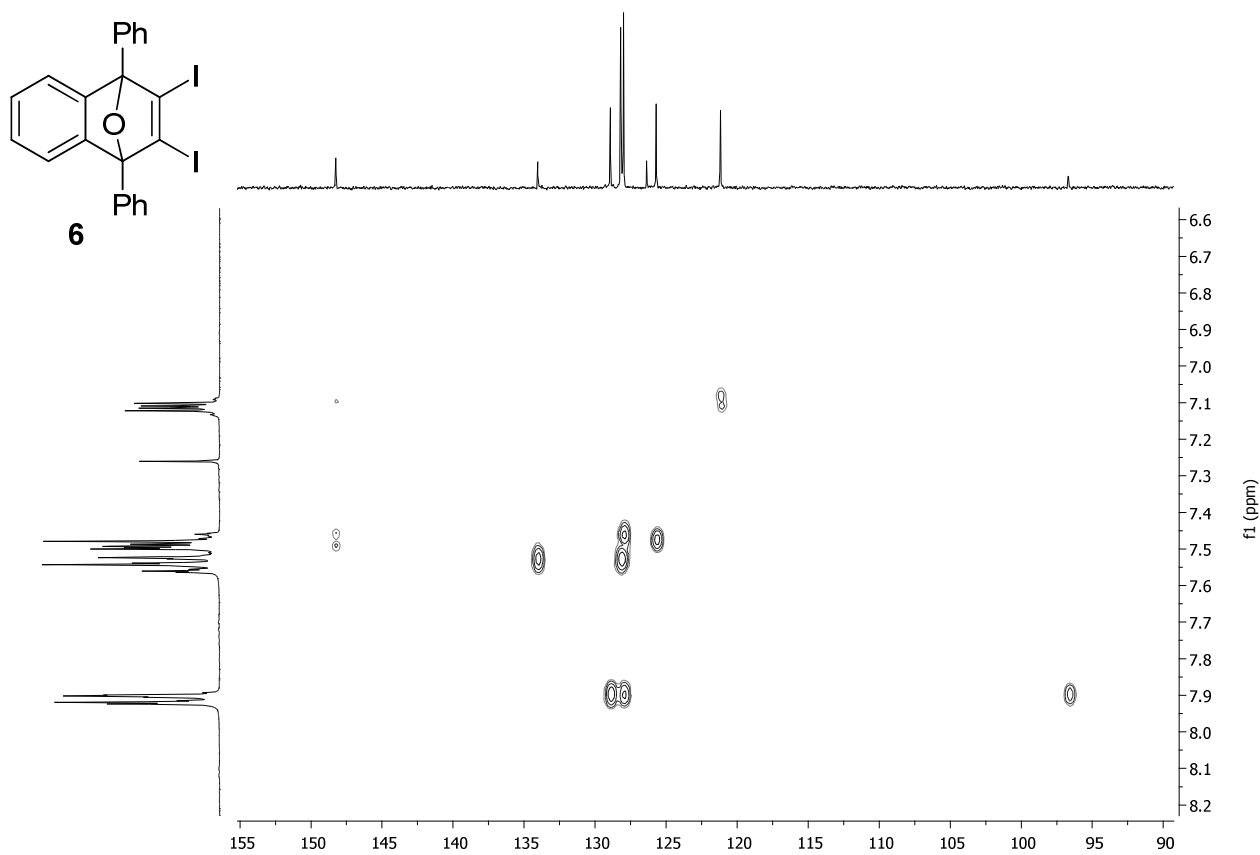
# NMR and IR spectra of diiodide 6



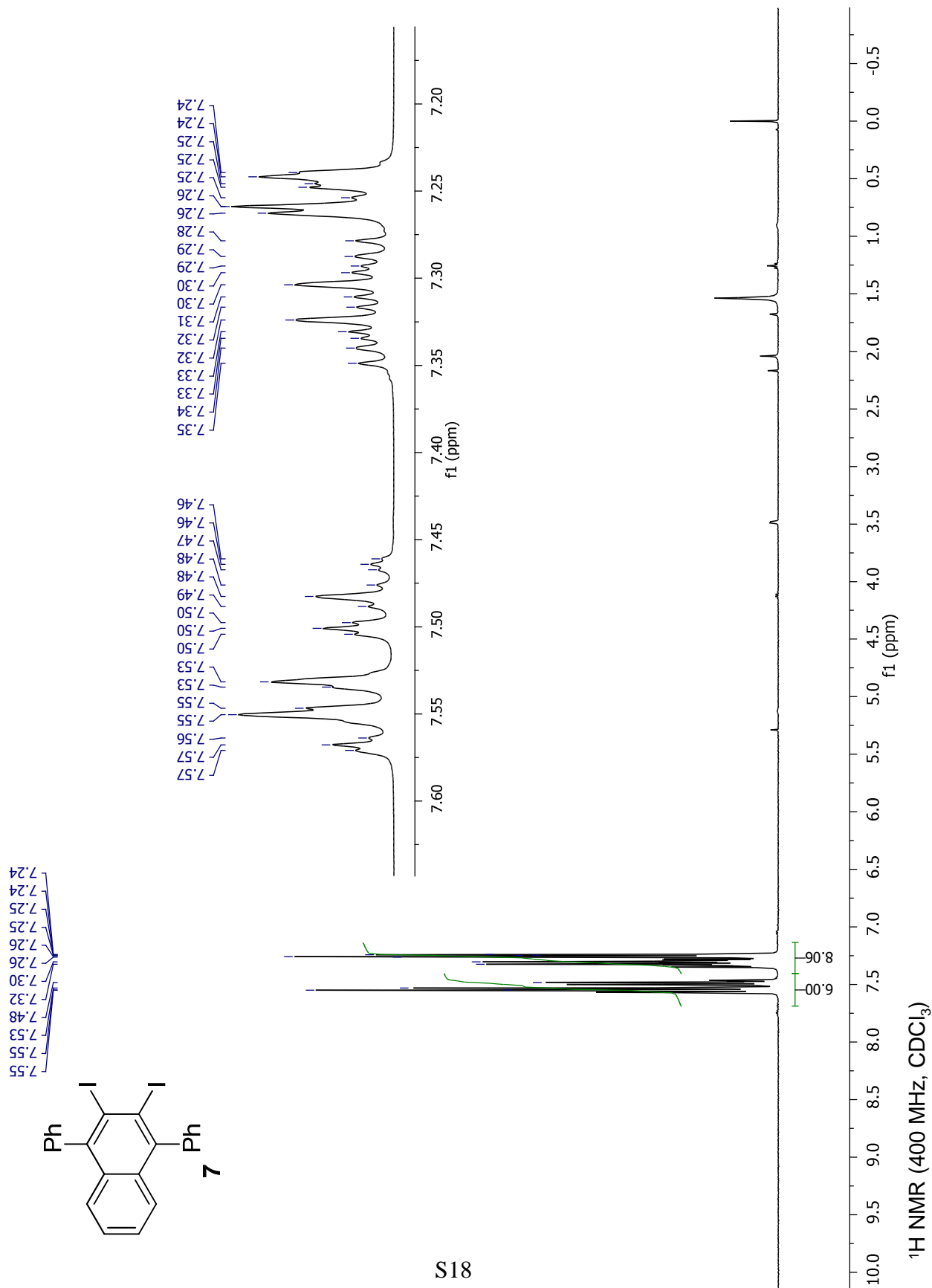


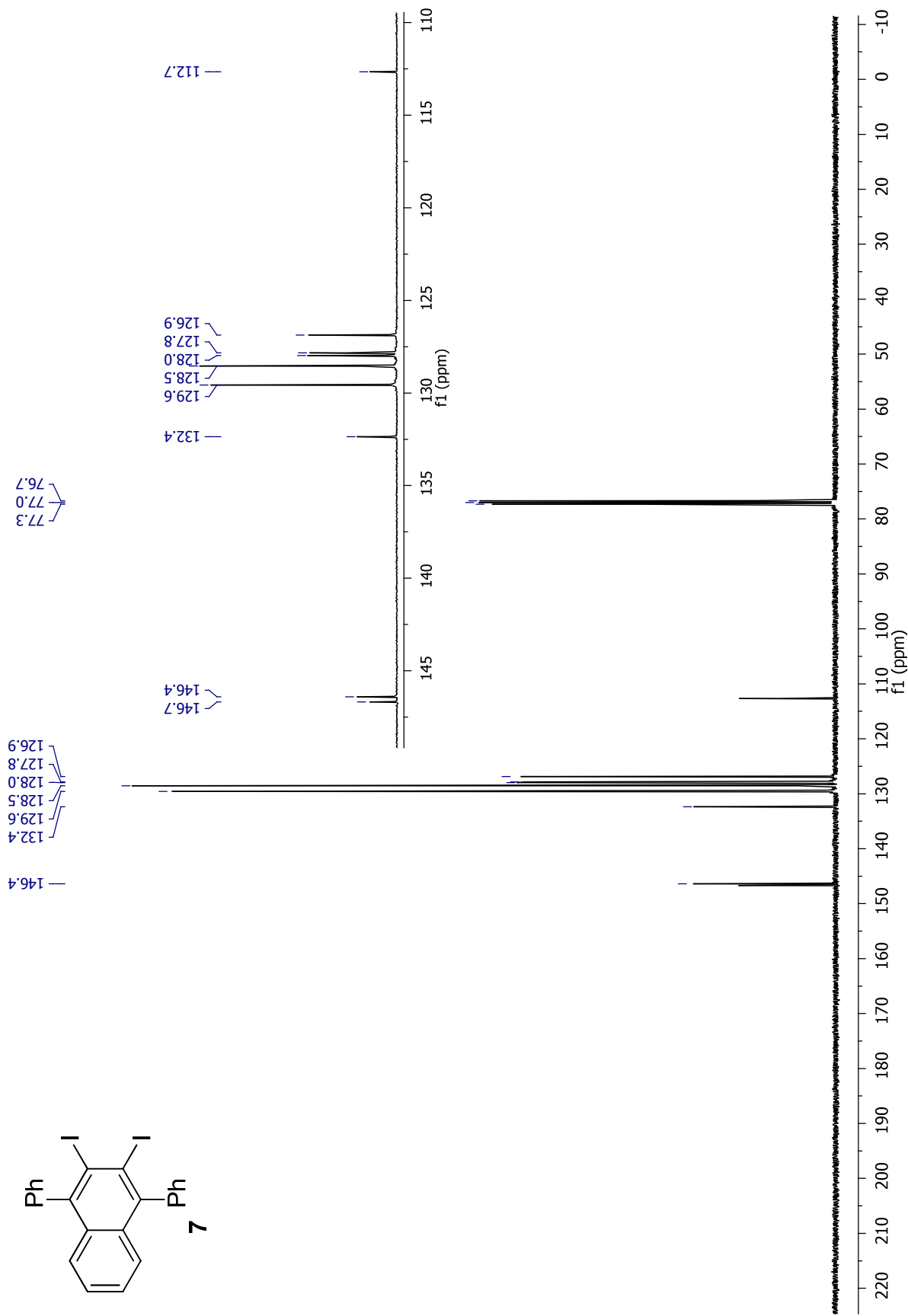
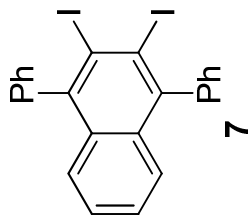


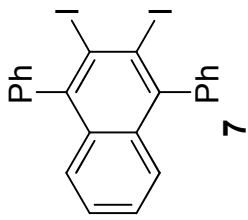




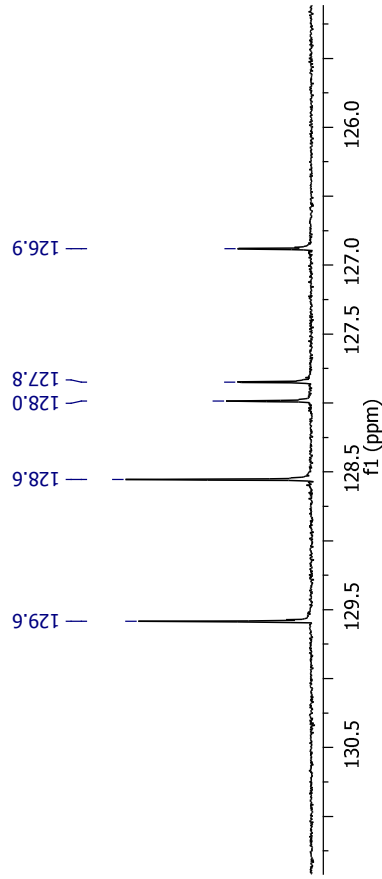
# NMR and IR spectra of diiodide 7



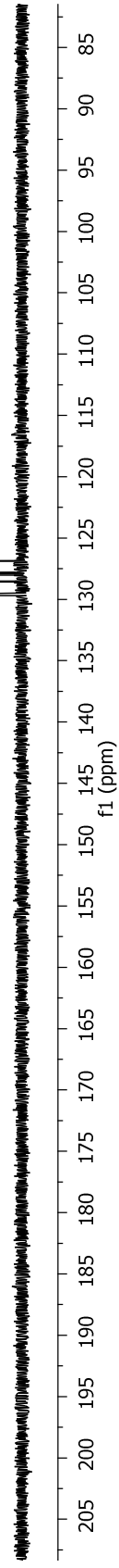




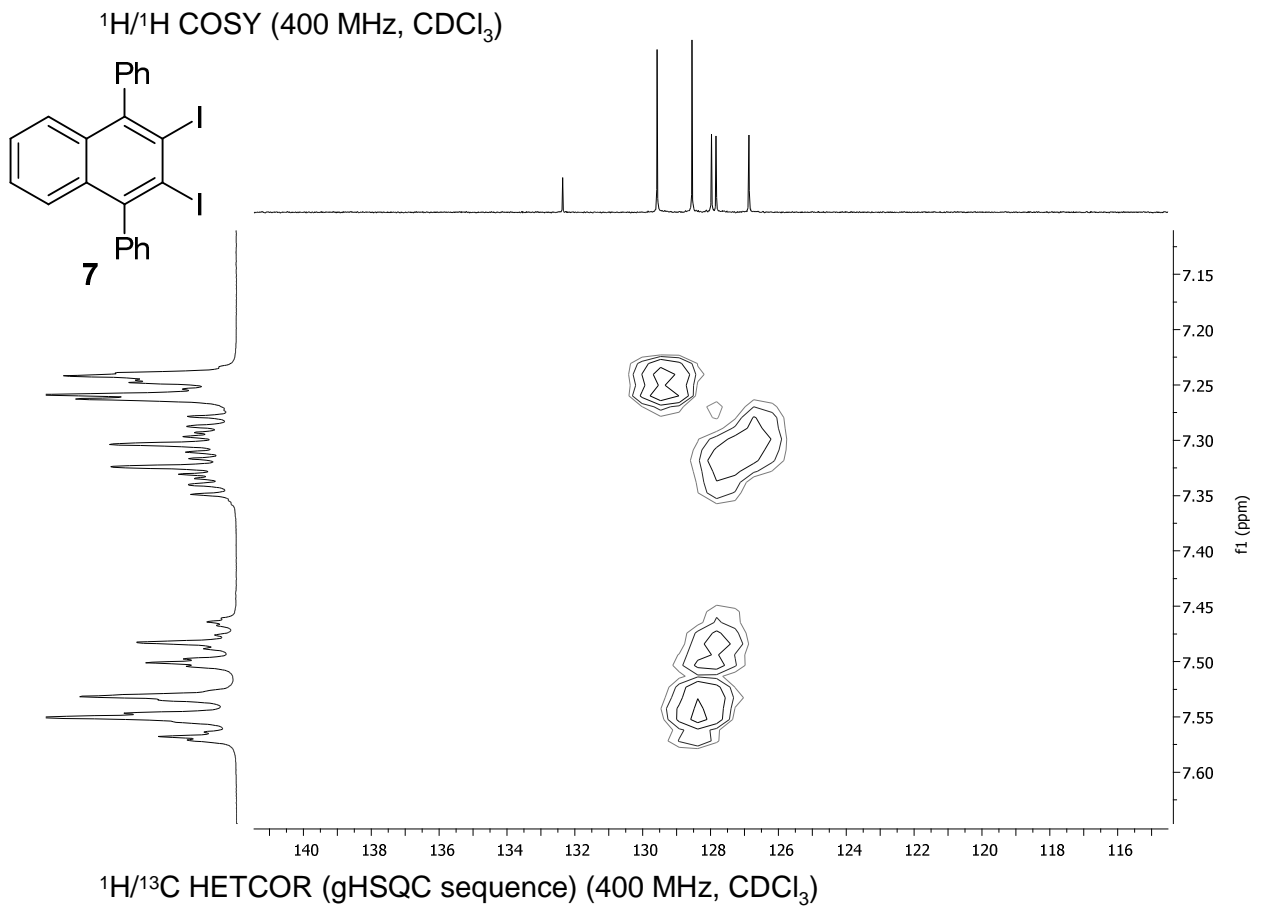
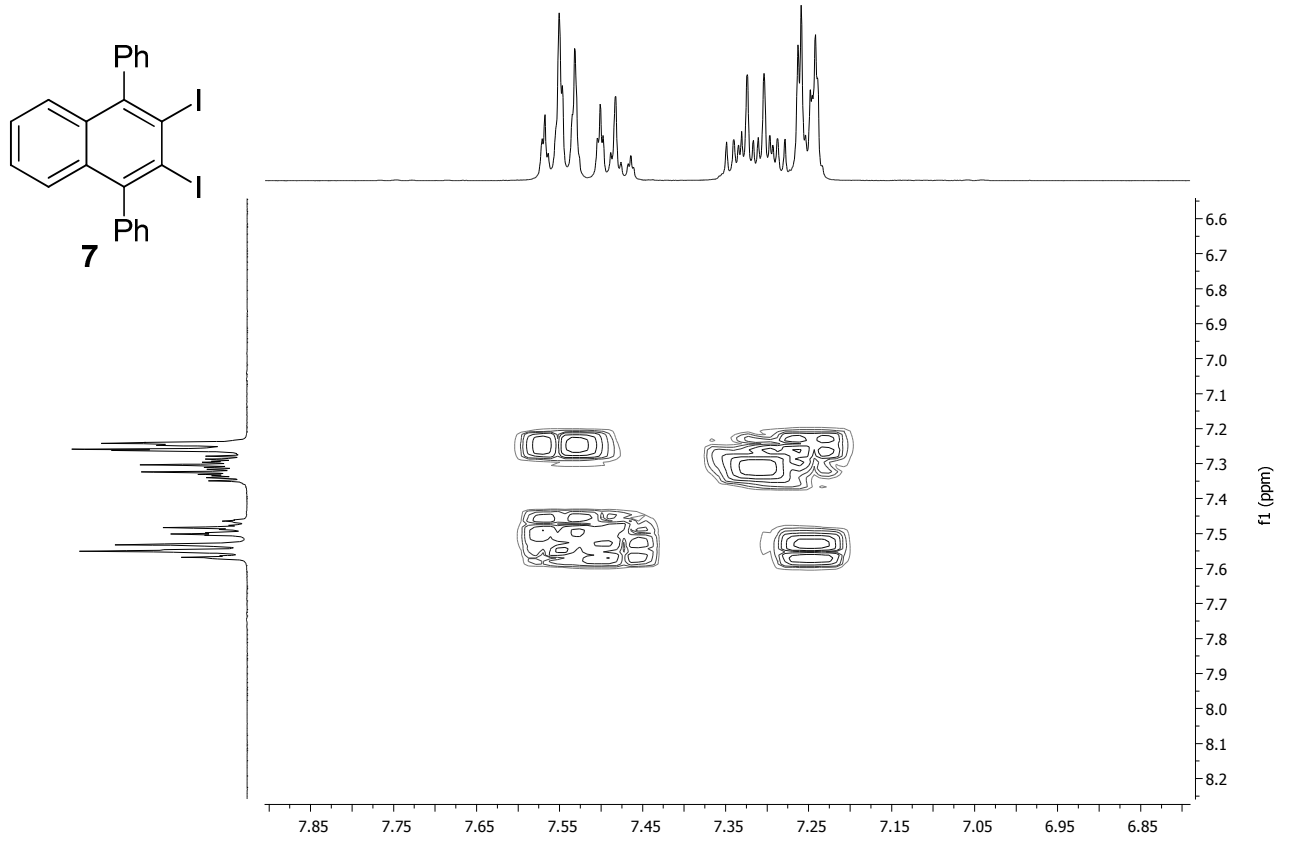
129.6  
128.6  
128.0  
127.8  
126.9

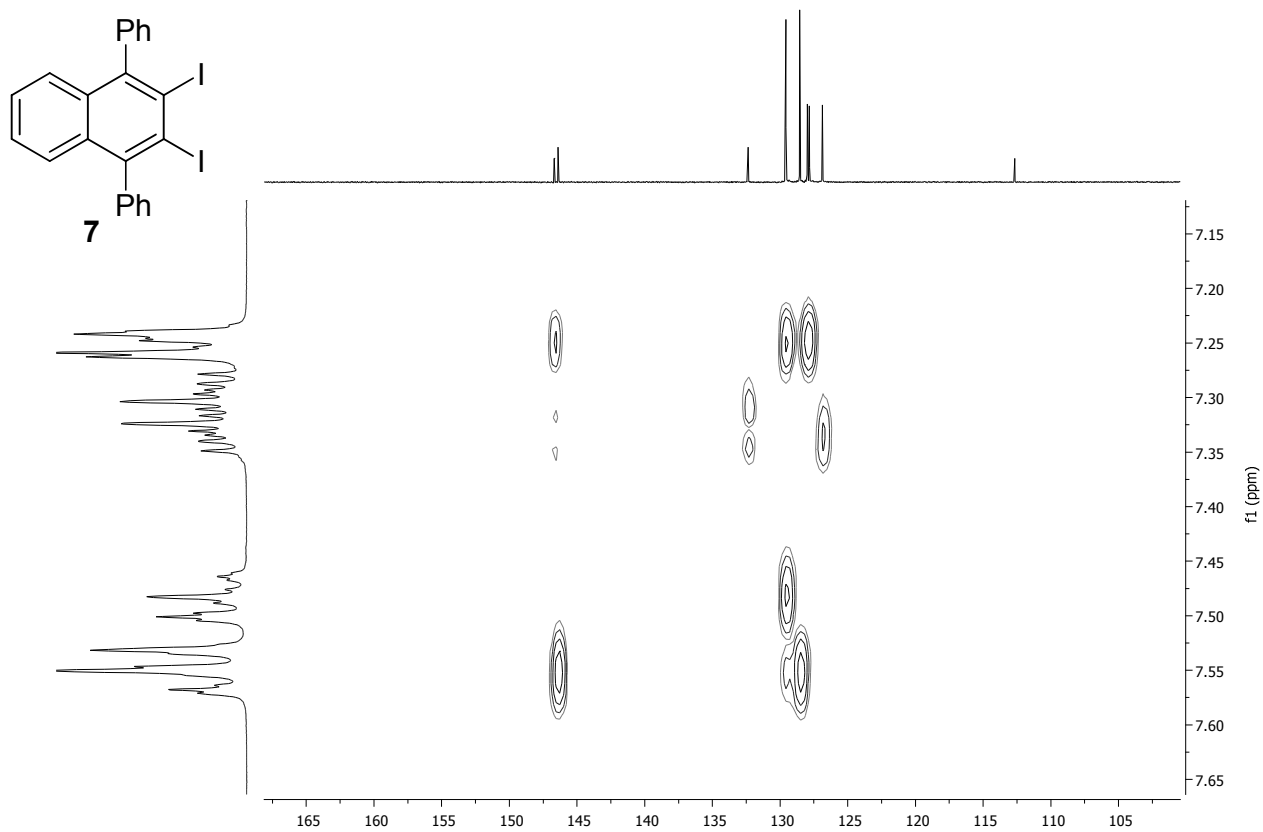


CH

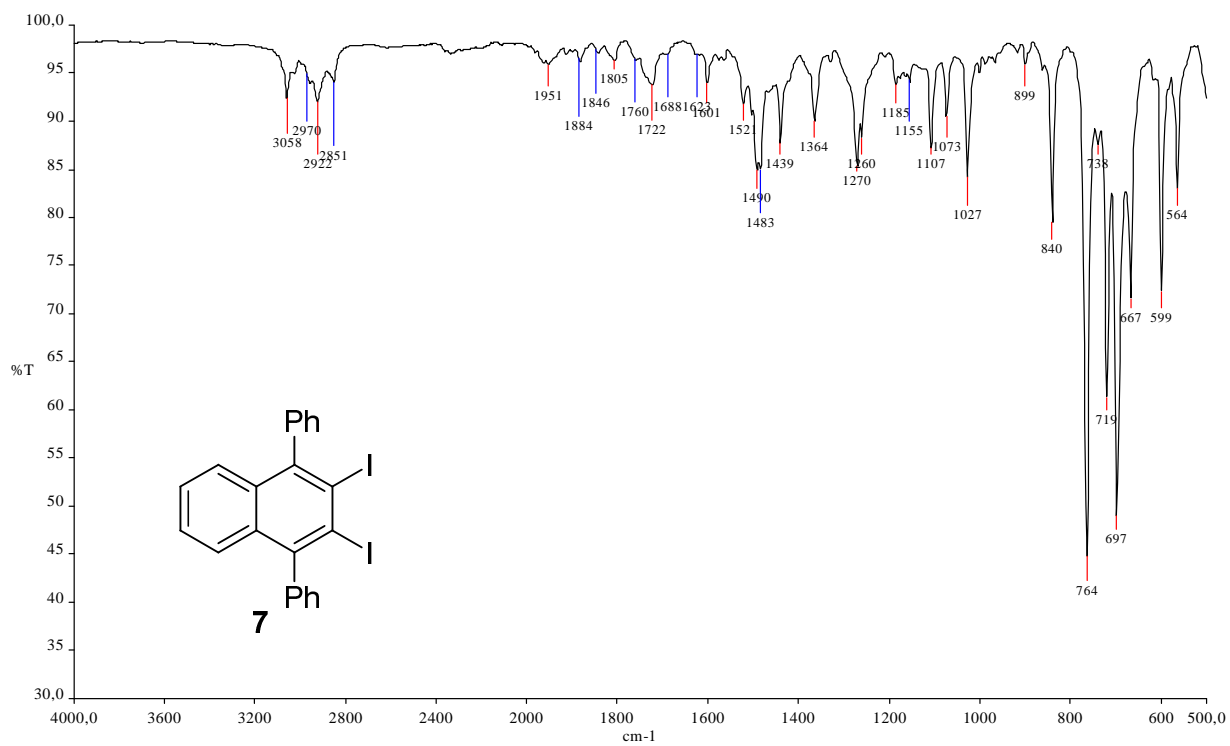


DEPT (100.6 MHz, CDCl<sub>3</sub>)





$^1\text{H}/^{13}\text{C}$  HETCOR (gHMBC sequence) (400 MHz,  $\text{CDCl}_3$ )



IR (ATR)