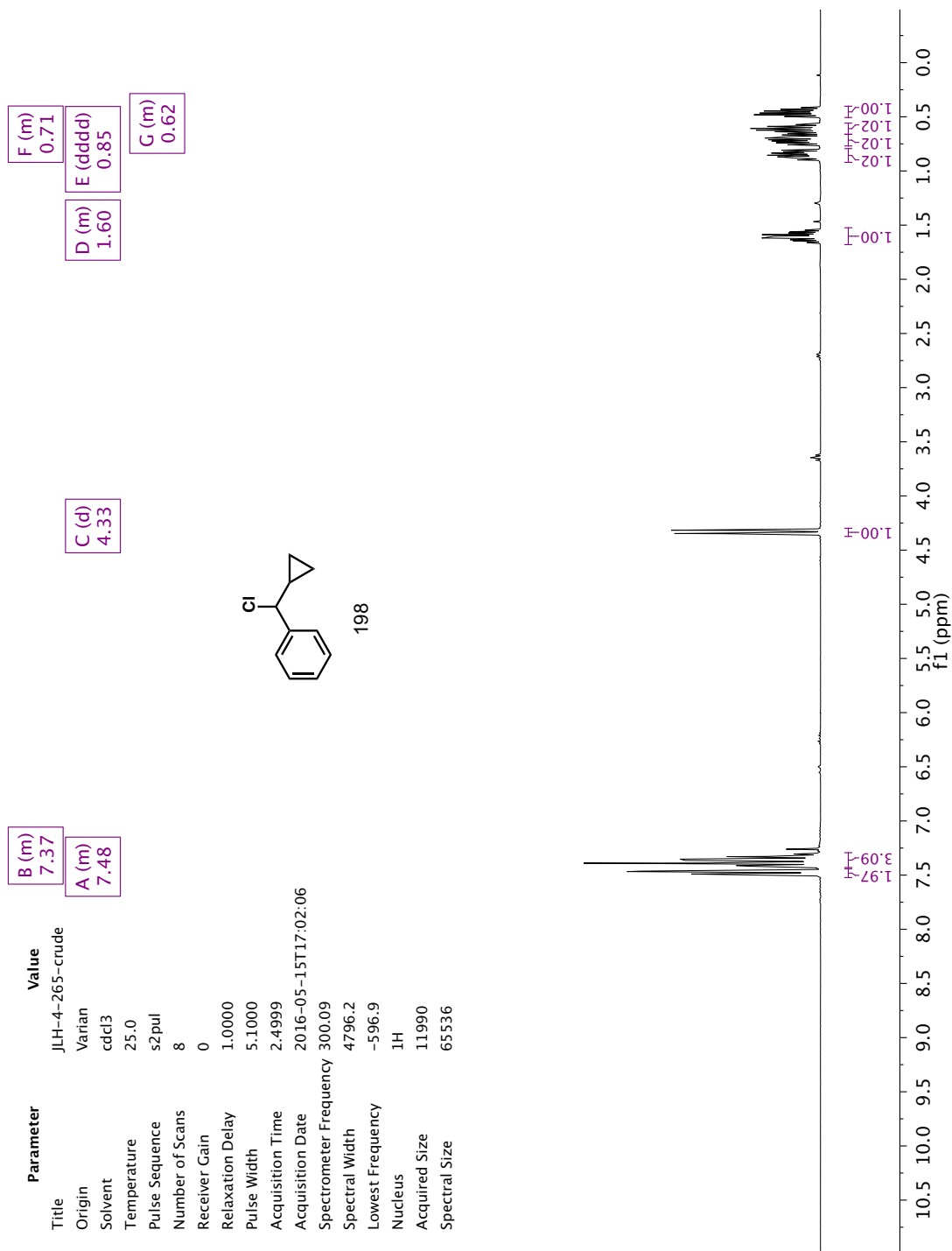


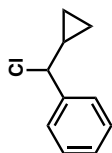
## ***Appendix 5***

*Spectra Relevant to Chapter 4:*

*Mechanistic Investigations of Ni-Catalyzed Asymmetric  
Reductive Cross-Couplings with Alkenyl Bromide Electrophiles*



Parameter	Value
Title	JLH-4-265-crude
Origin	Varian
Solvent	cdcl3
Temperature	25.0
Pulse Sequence	s2pul
Number of Scans	256
Receiver Gain	30
Relaxation Delay	1.0000
Pulse Width	7.9500
Acquisition Time	0.8684
Acquisition Date	2016-05-15T17:02:50
Spectrometer Frequency	75.47
Spectral Width	18867.9
Lowest Frequency	-1126.8
Nucleus	13C
Acquired Size	16384
Spectral Size	32768



198

128.6  
128.3  
127.2

6.4  
6.6

20.0

69.1

141.7

