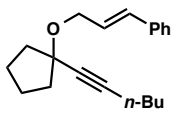
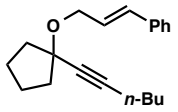
Electronic Supplementary Material (ESI) for Chemical Communications

Supporting Information - Spectra Compilation

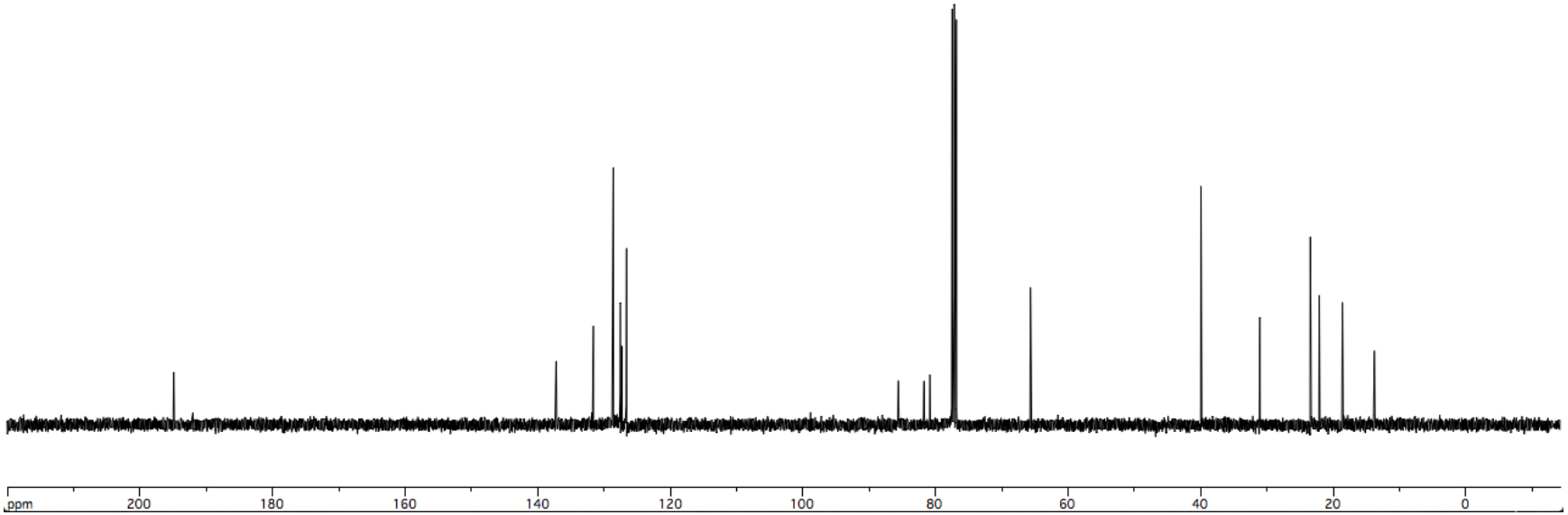
C-C Bond Migration in the Cycloisomerization of Oxygen-Tethered 1,6-Enynes

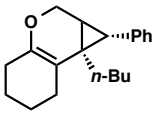


7a
^{1}H NMR
(400 MHz, $CDCl_3$)

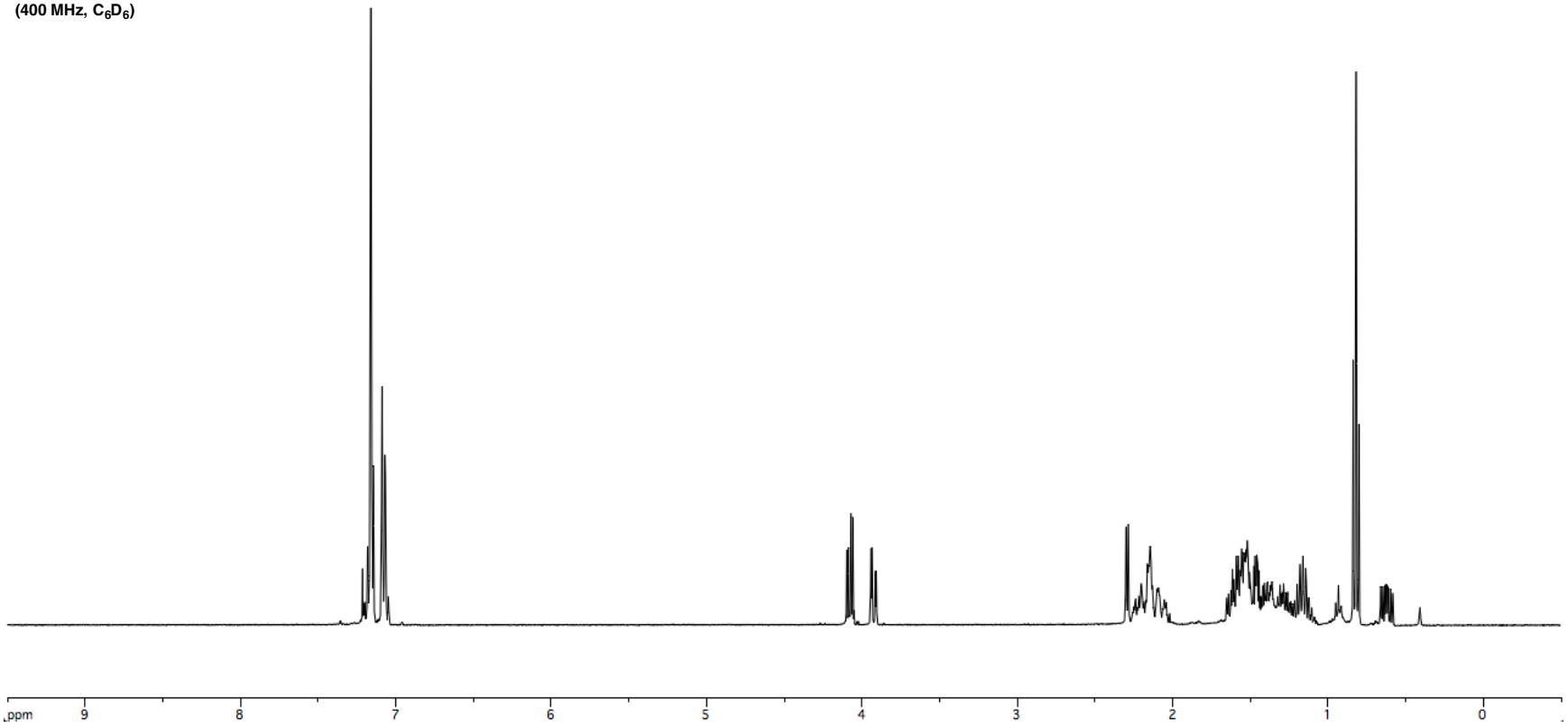


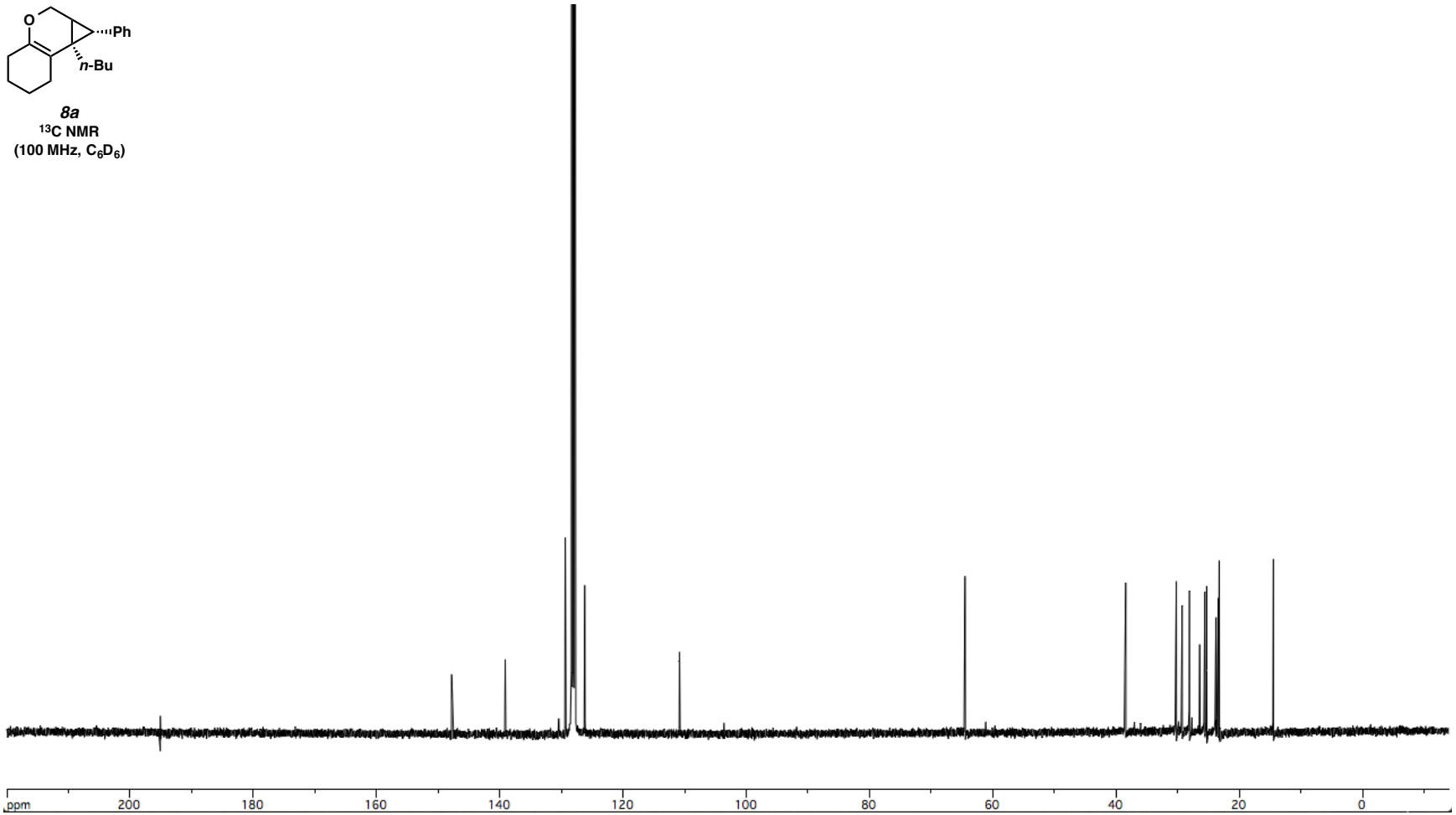
7a
^{13}C NMR
(100 MHz, $CDCl_3$)

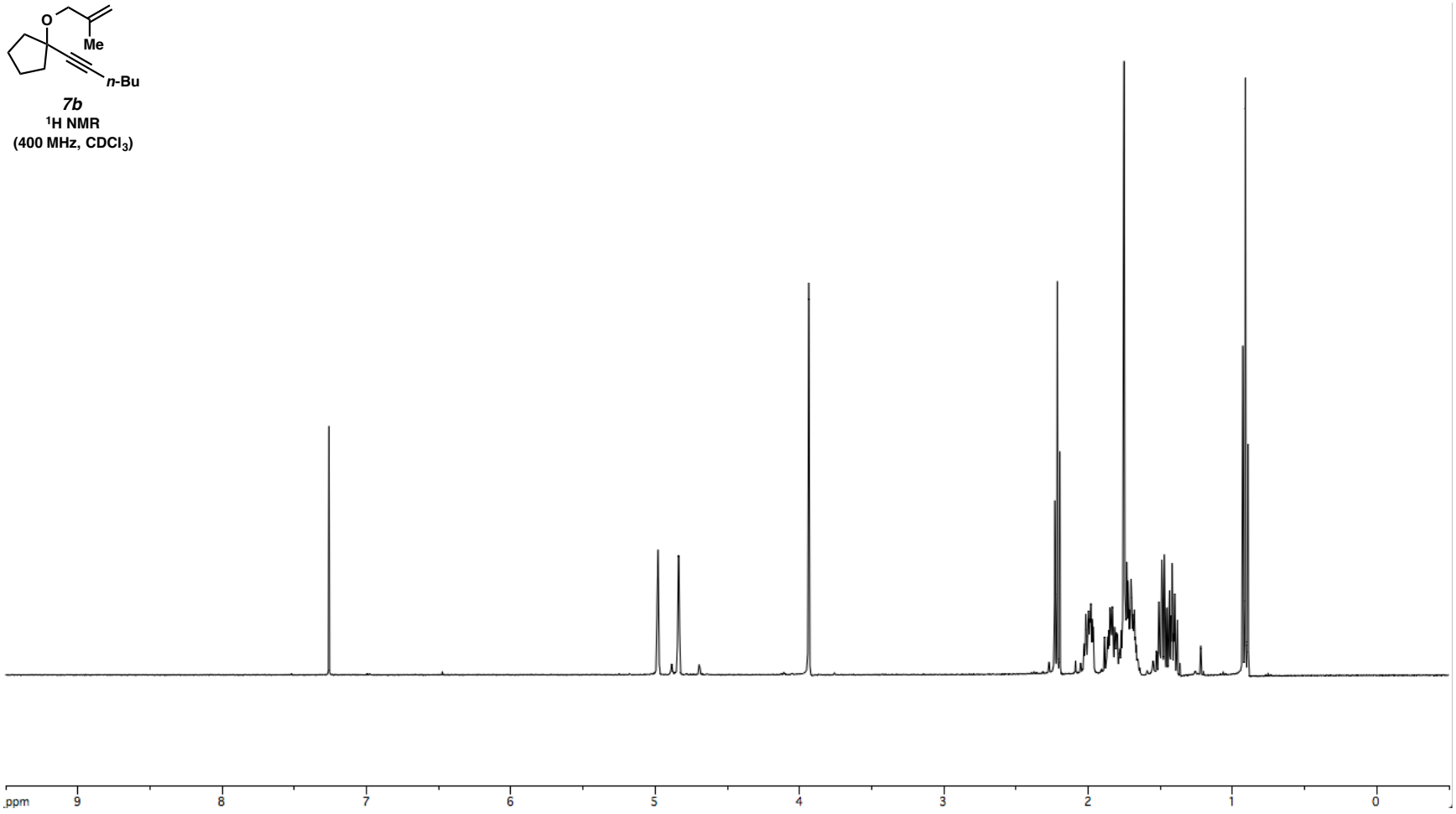


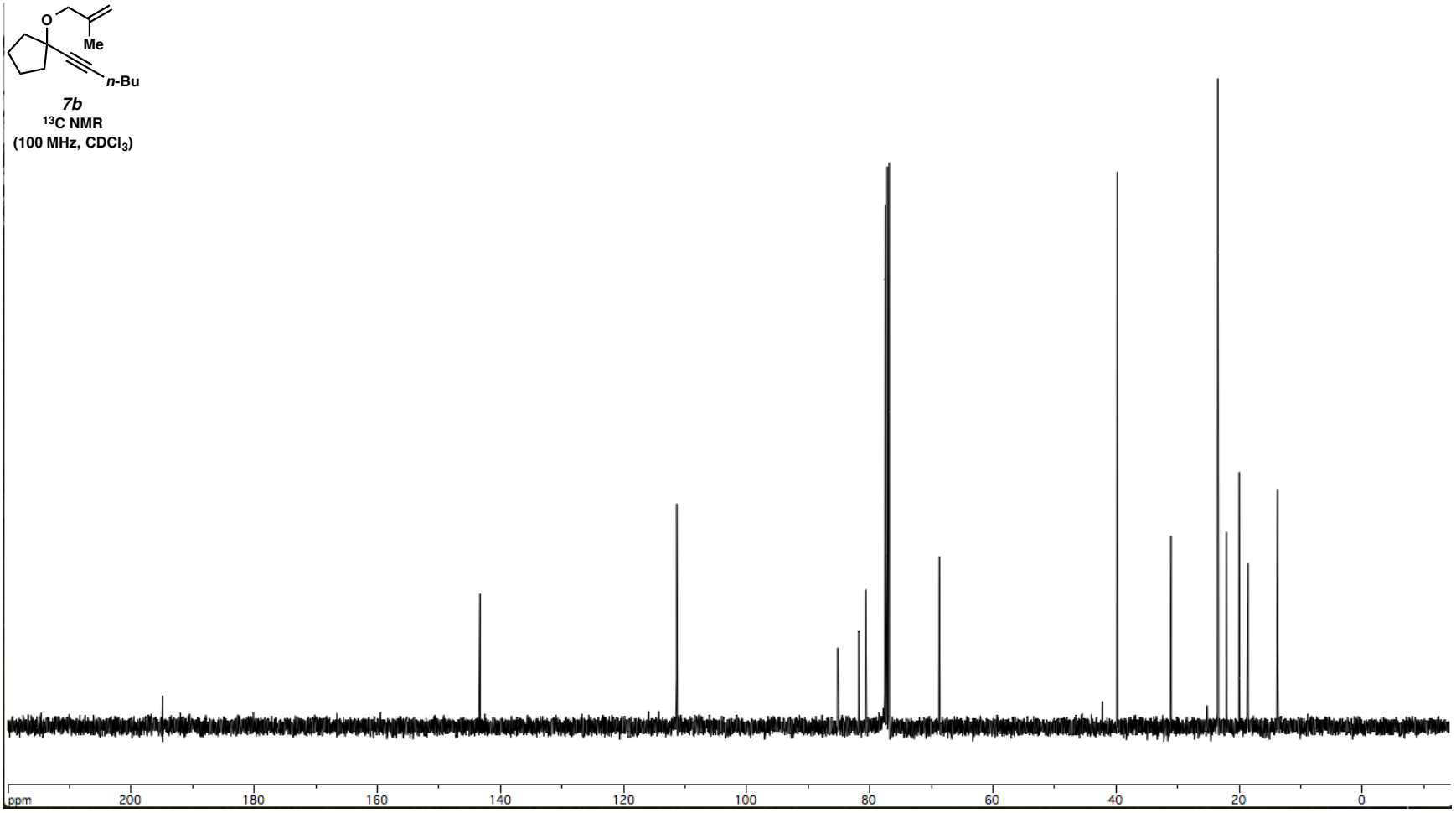


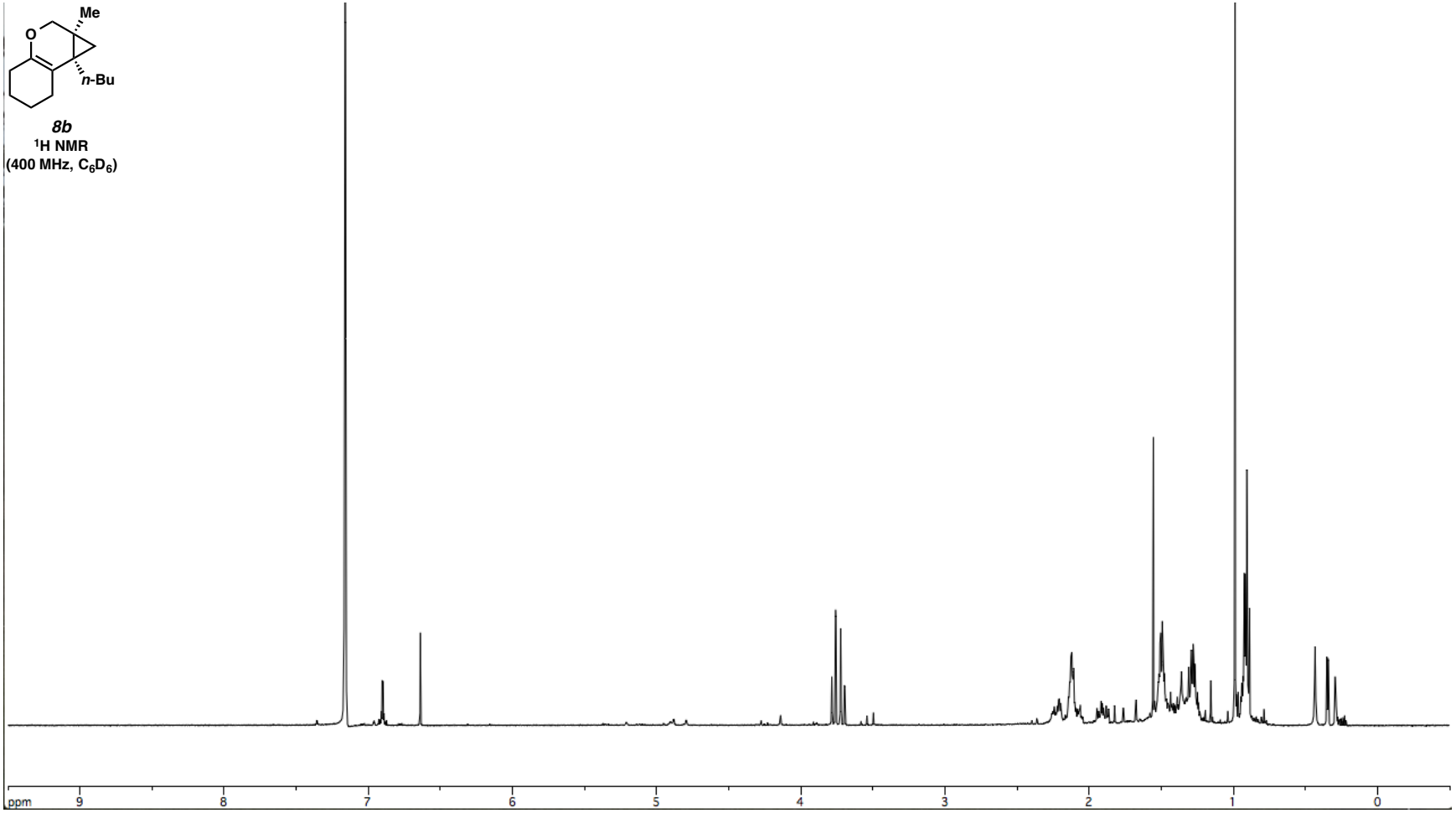
8a
^{1}H NMR
(400 MHz, C_6D_6)

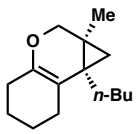




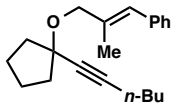




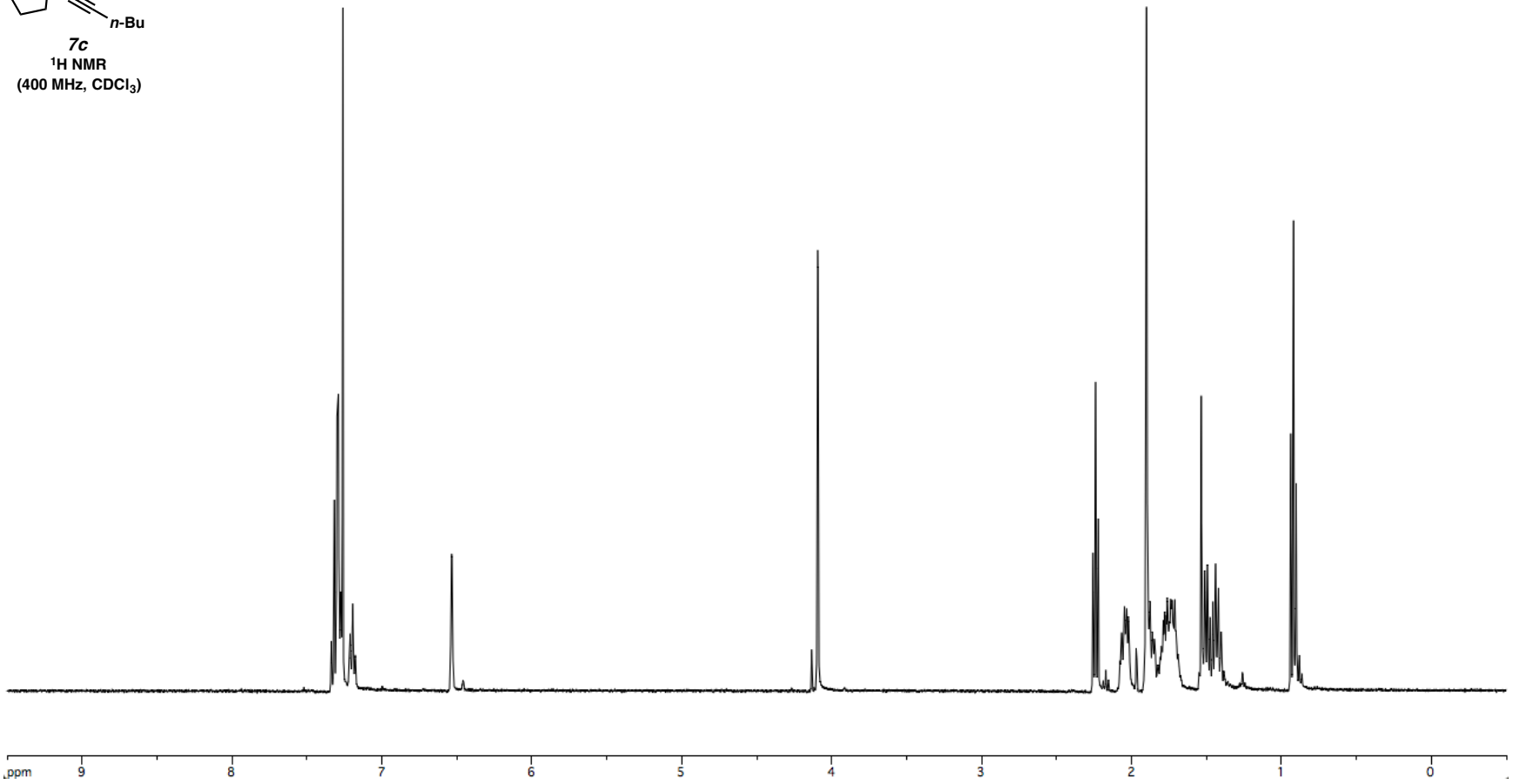


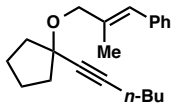


8b
^{13}C NMR
(100 MHz, C_6D_6)

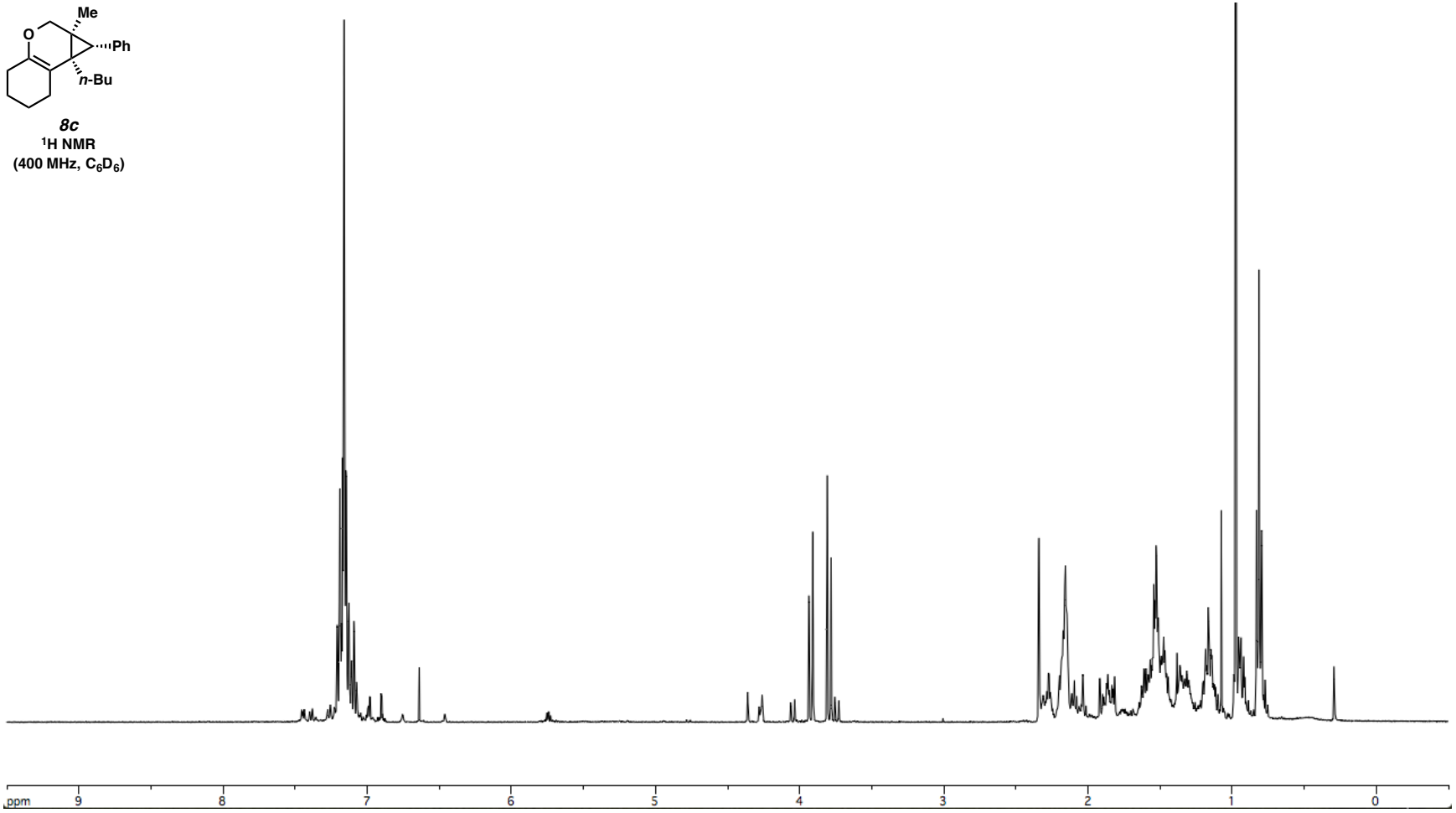


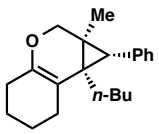
7c
^{1}H NMR
(400 MHz, $CDCl_3$)



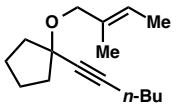


7c
^{13}C NMR
(100 MHz, $CDCl_3$)

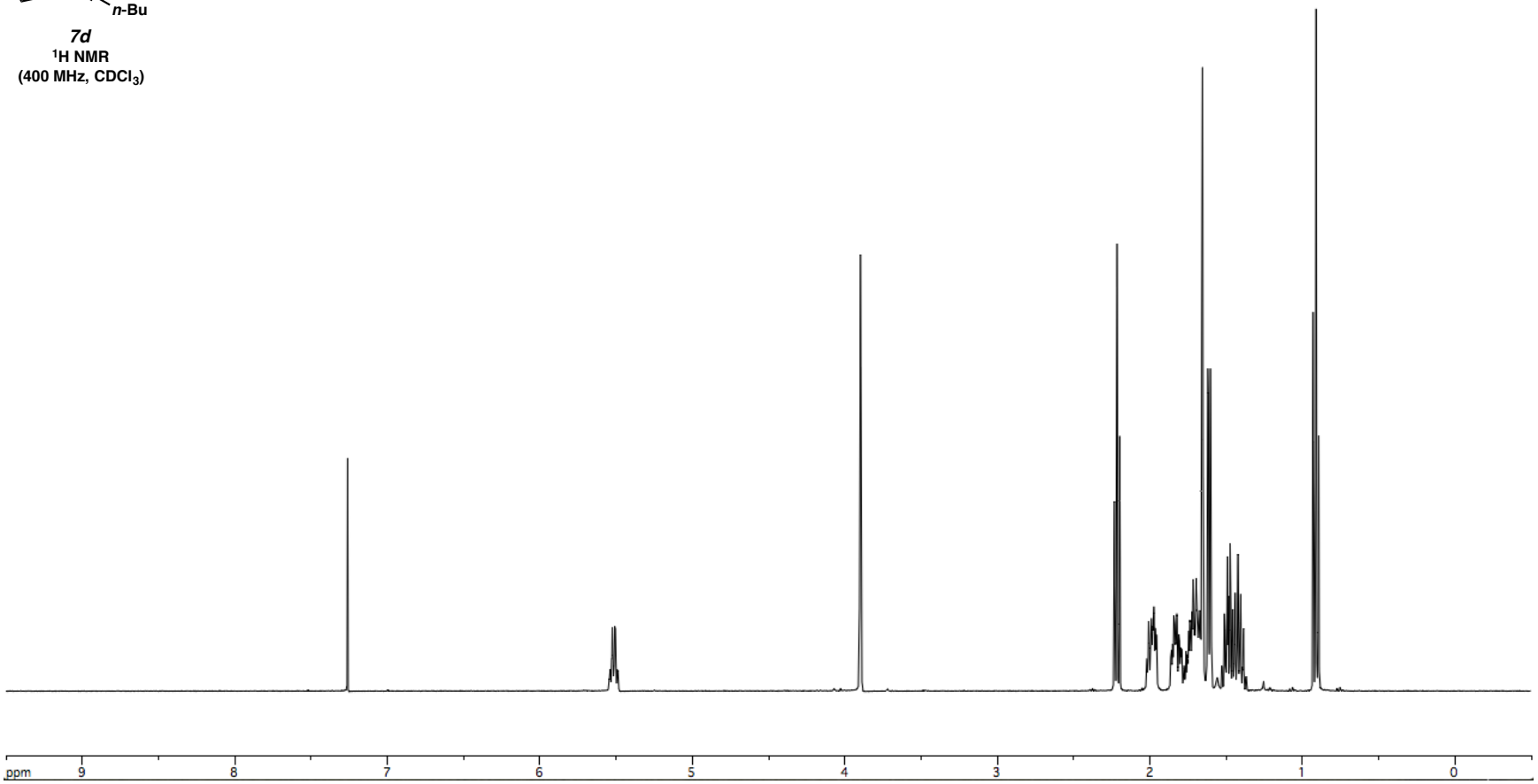


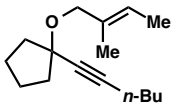


8c
^{13}C NMR
(100 MHz, C_6D_6)

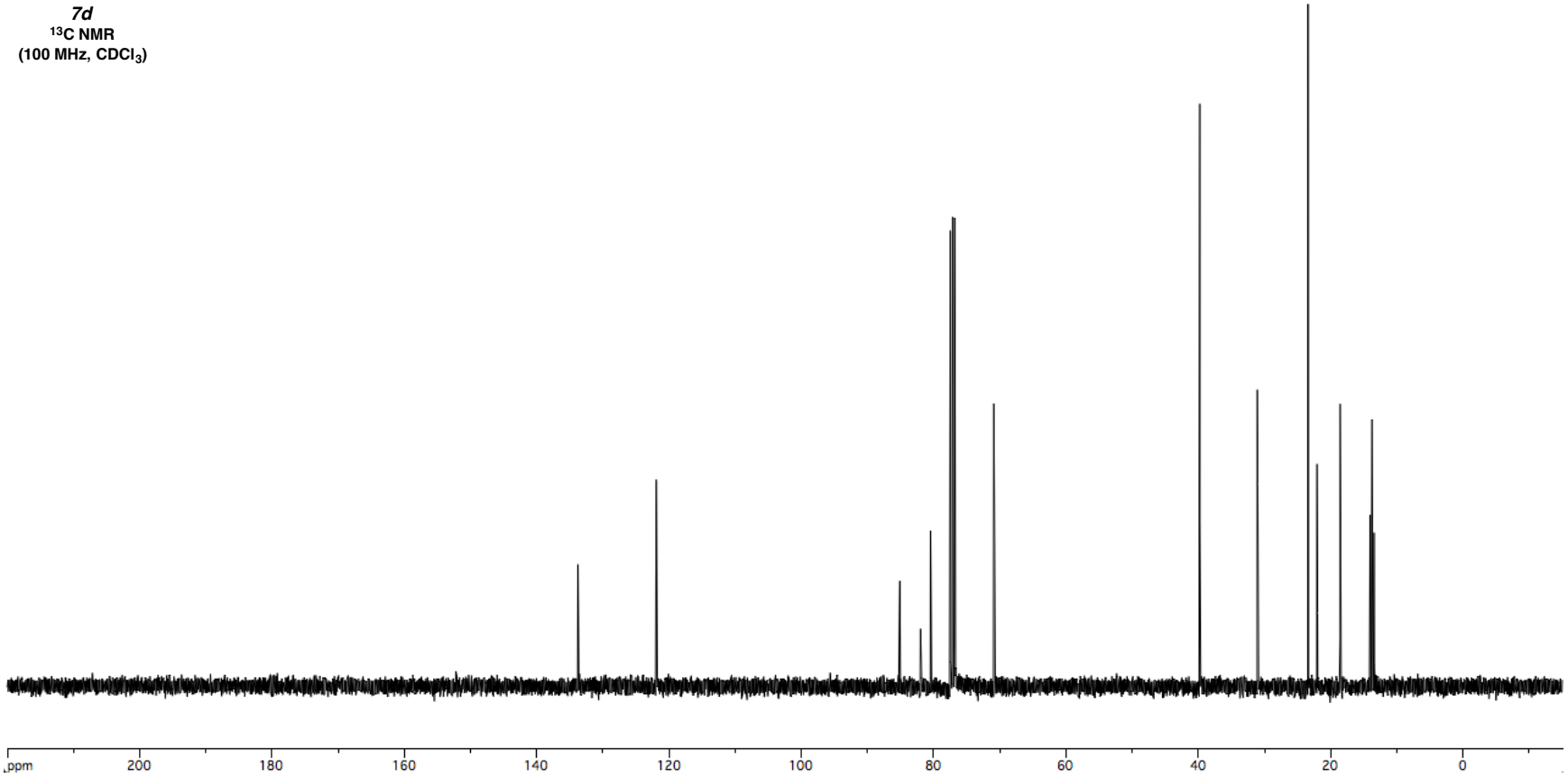


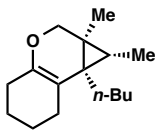
7d
^{1}H NMR
(400 MHz, $CDCl_3$)



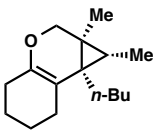


7d
^{13}C NMR
(100 MHz, $CDCl_3$)

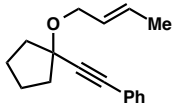




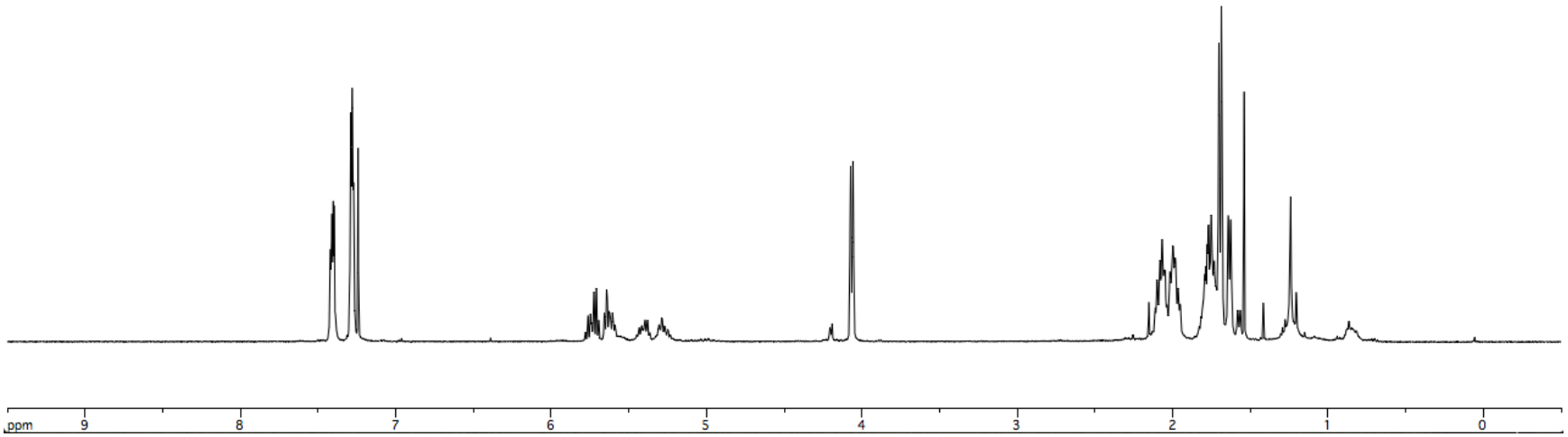
8d
^{1}H NMR
(400 MHz, C_6D_6)

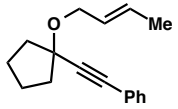


8d
^{13}C NMR
(100 MHz, C_6D_6)

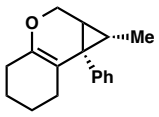


7e
^{1}H NMR
(400 MHz, $CDCl_3$)

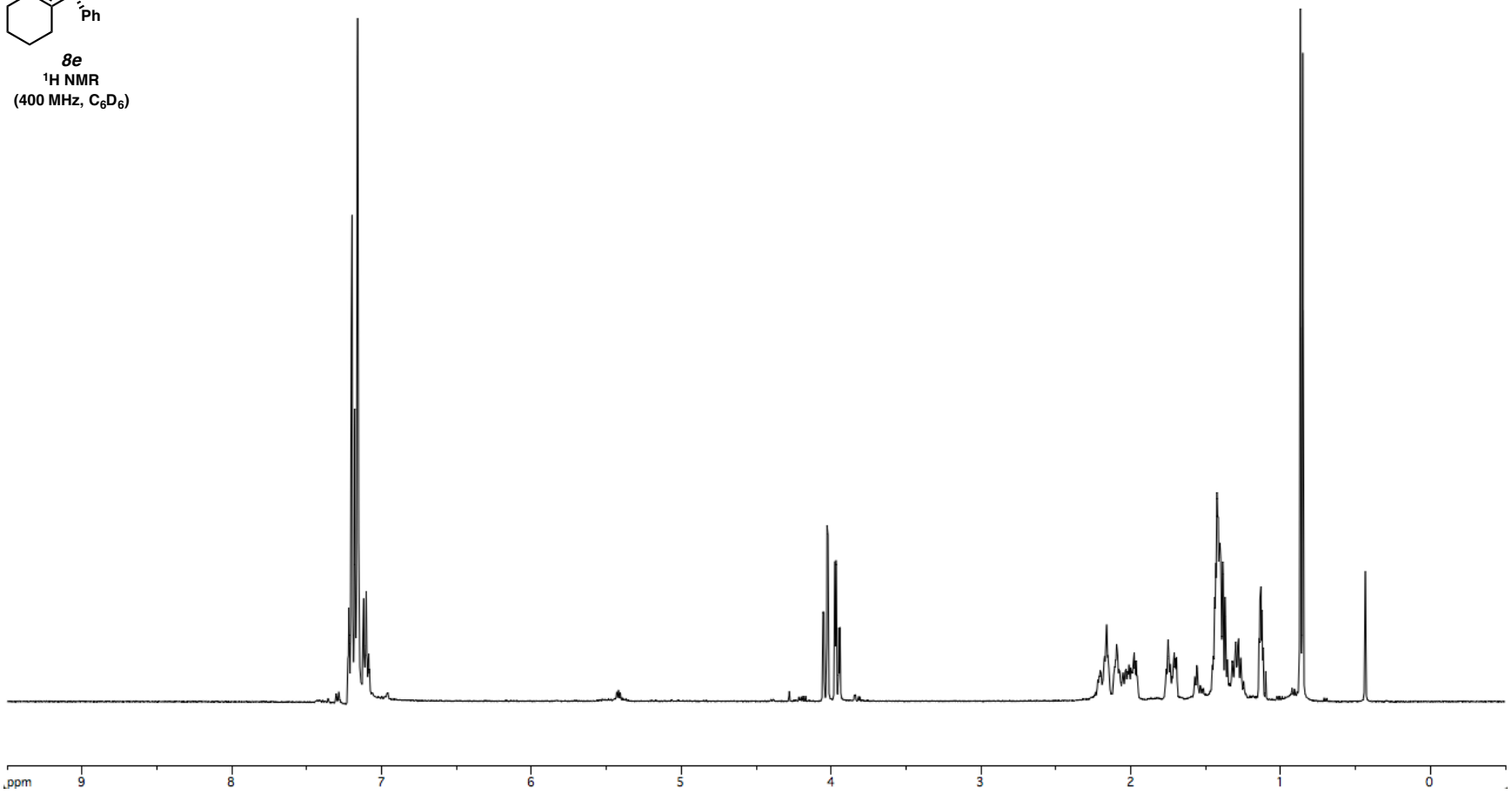


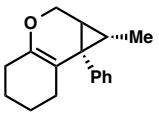


7e
^{13}C NMR
(100 MHz, $CDCl_3$)

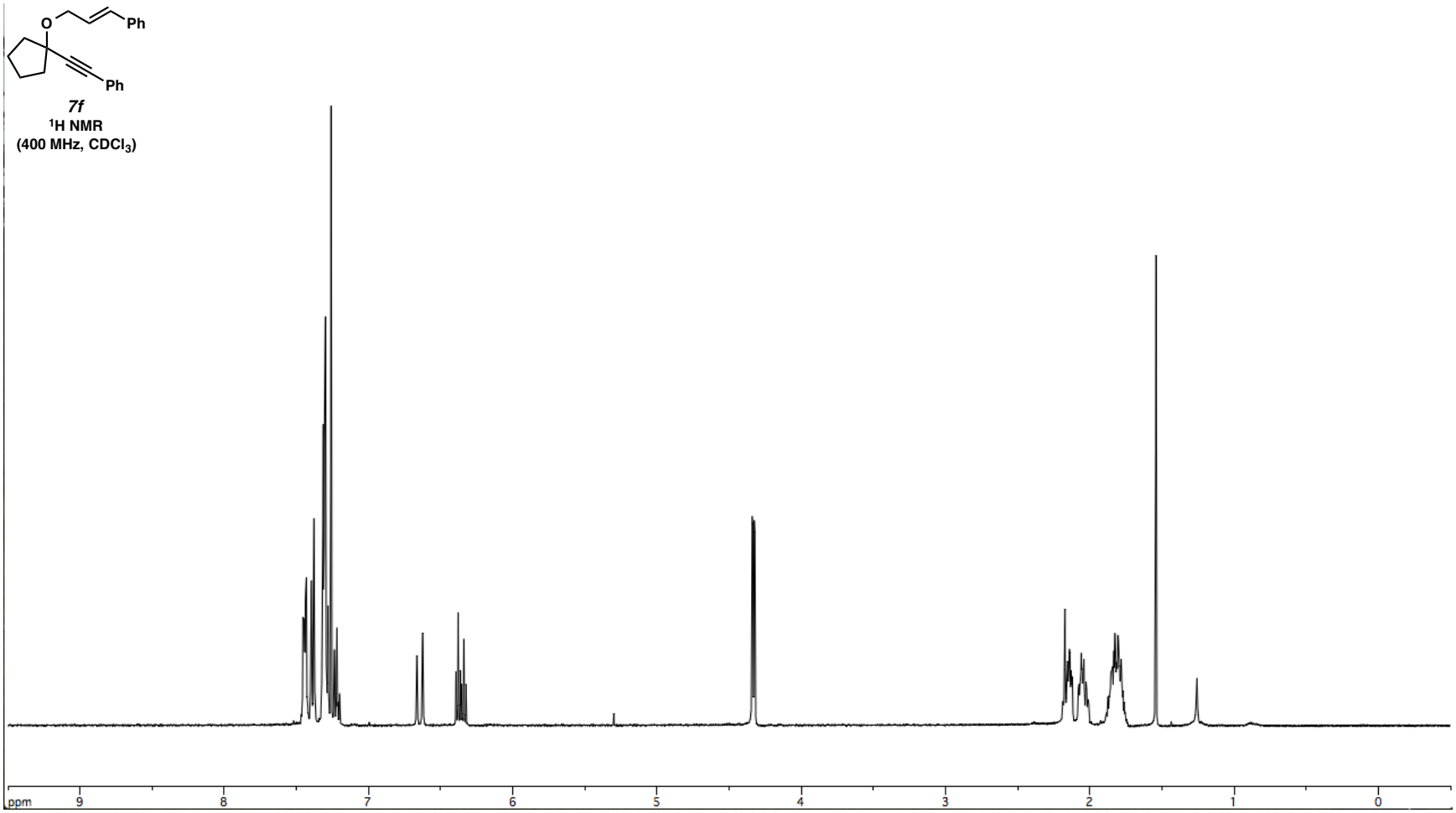


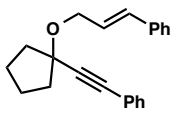
8e
^{1}H NMR
(400 MHz, C_6D_6)



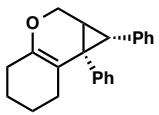


8e
^{13}C NMR
(100 MHz, C_6D_6)

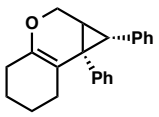




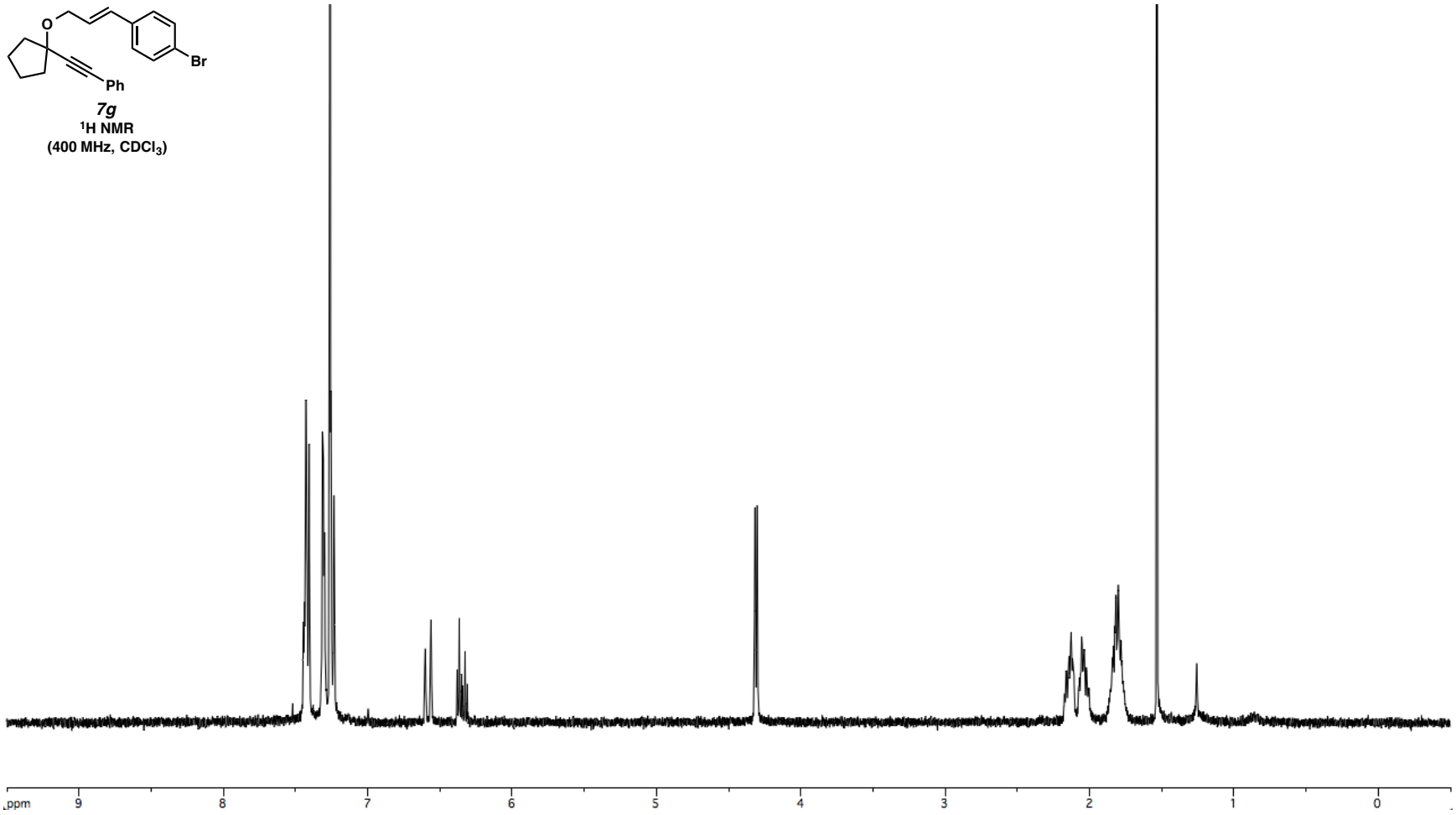
7f
^{13}C NMR
(100 MHz, $CDCl_3$)

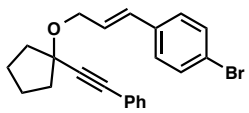


8f
^{1}H NMR
(400 MHz, C_6D_6)

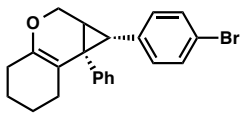


8f
^{13}C NMR
(100 MHz, C_6D_6)

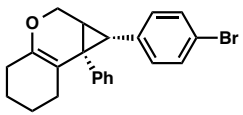




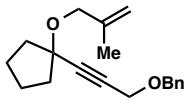
7g
^{13}C NMR
(100 MHz, $CDCl_3$)



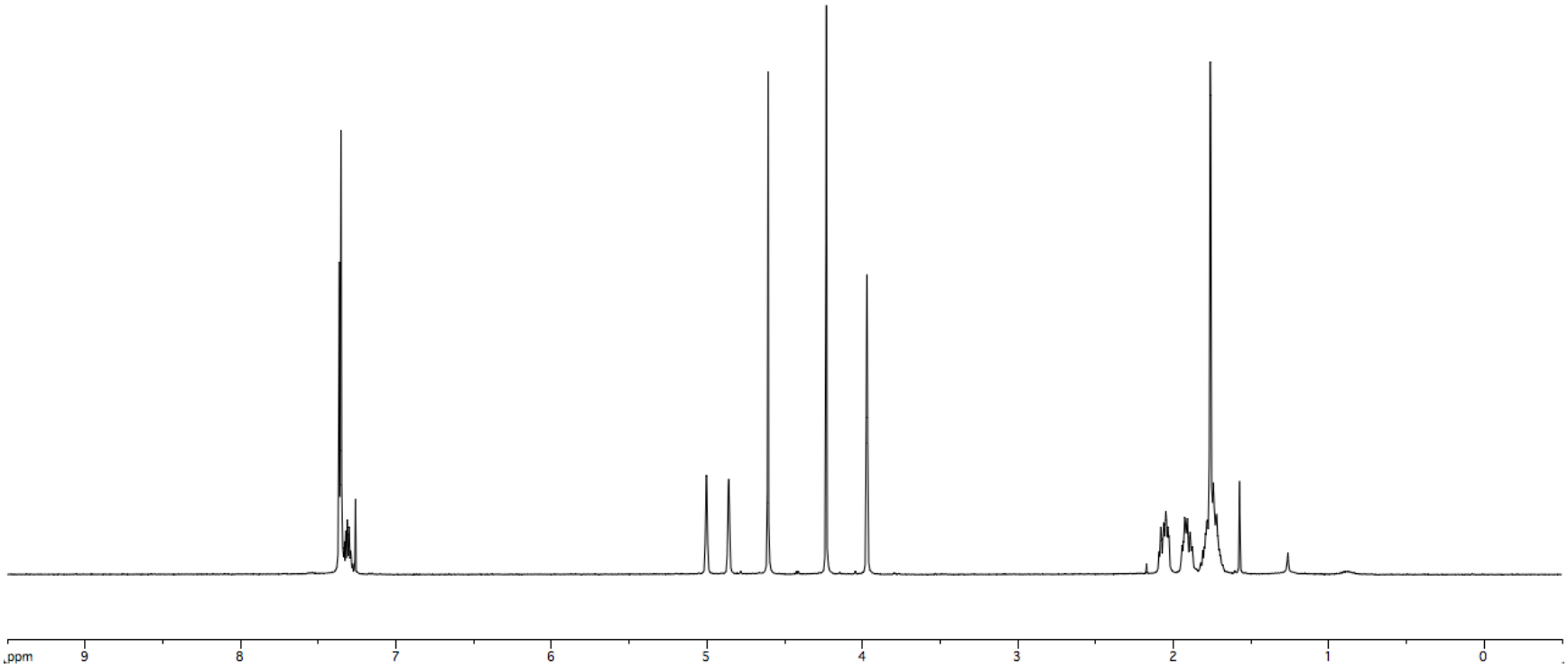
8g
^{1}H NMR
(400 MHz, C_6D_6)

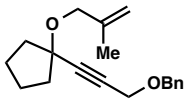


8g
^{13}C NMR
(100 MHz, C_6D_6)

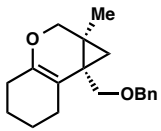


7h
^{1}H NMR
(400 MHz, $CDCl_3$)

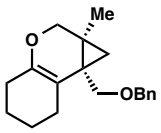




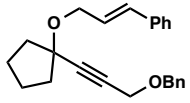
7h
^{13}C NMR
(100 MHz, $CDCl_3$)



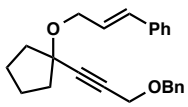
8h
^{1}H NMR
(400 MHz, C_6D_6)



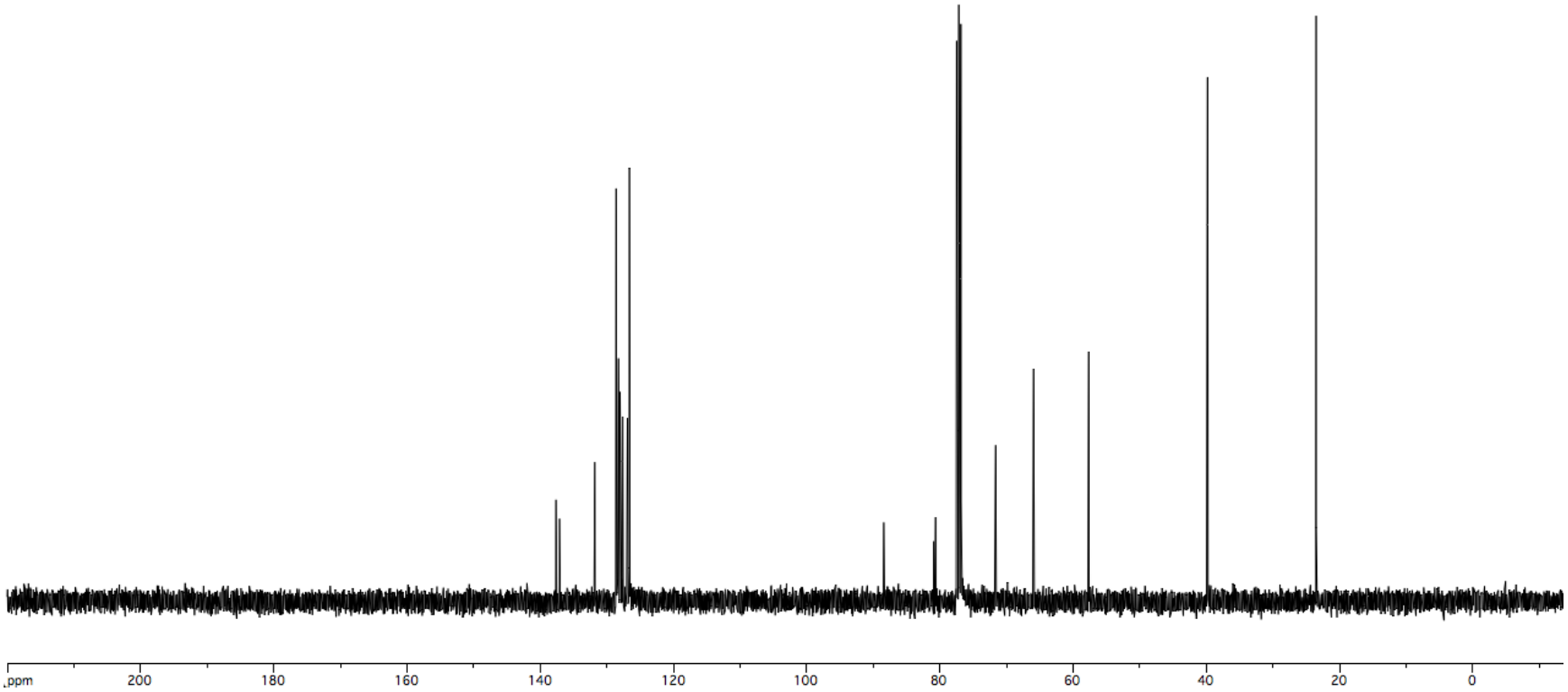
8h
^{13}C NMR
(100 MHz, C_6D_6)

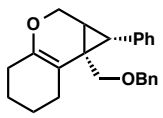


7i
^{1}H NMR
(400 MHz, $CDCl_3$)

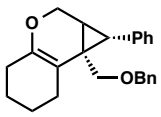


7i
^{13}C NMR
(100 MHz, $CDCl_3$)

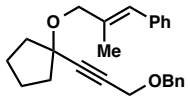




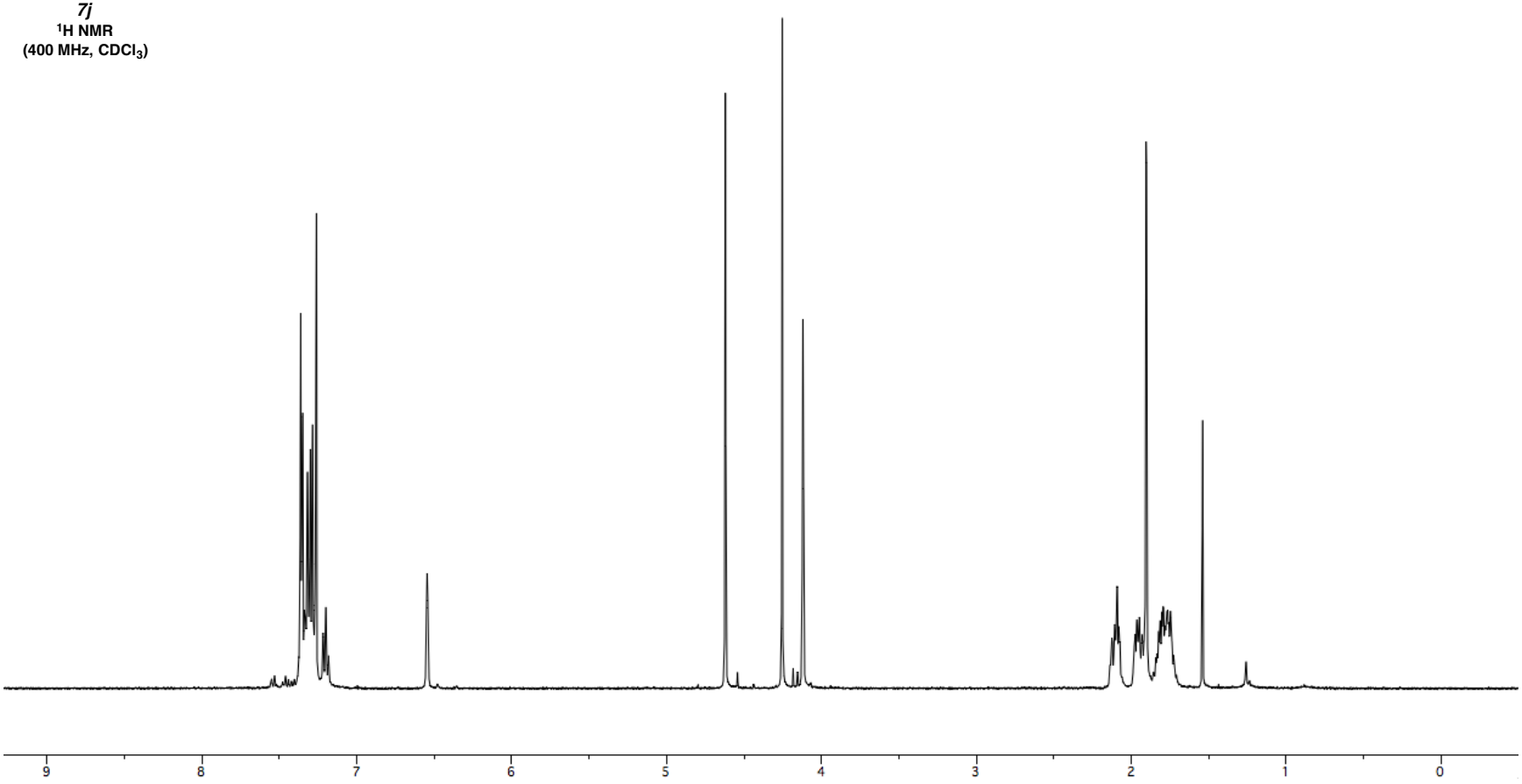
8i
^{1}H NMR
(400 MHz, C_6D_6)

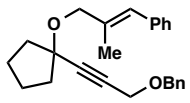


8i
^{13}C NMR
(100 MHz, C_6D_6)

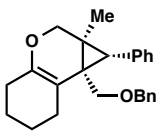


7j
^{1}H NMR
(400 MHz, $CDCl_3$)

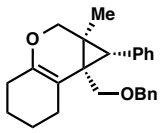




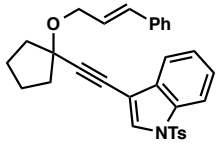
7j
^{13}C NMR
(100 MHz, $CDCl_3$)



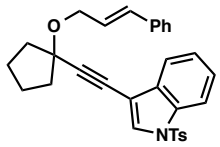
8j
^{1}H NMR
(400 MHz, C_6D_6)



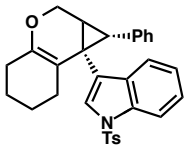
8j
^{13}C NMR
(100 MHz, C_6D_6)



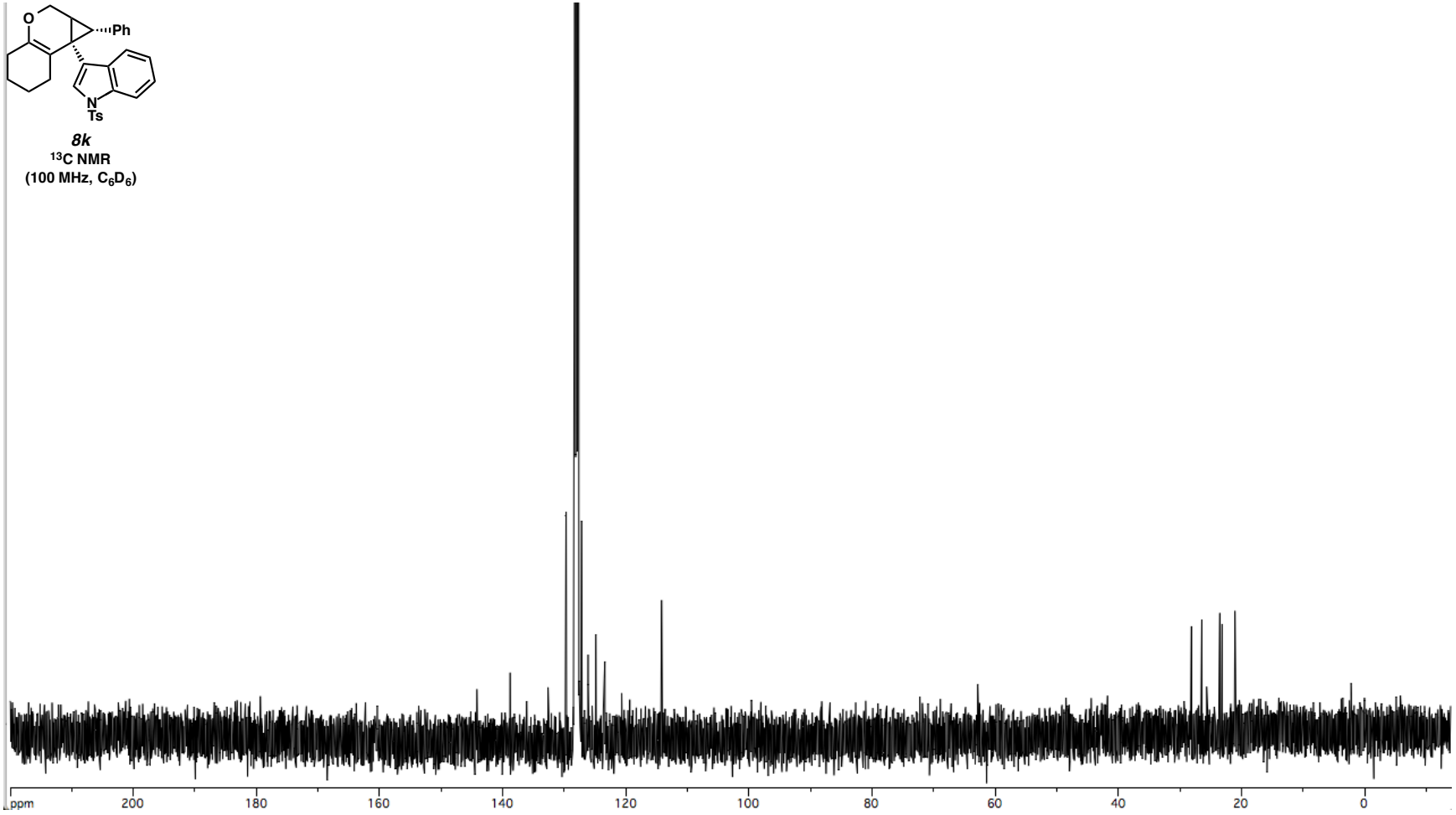
7k
^{1}H NMR
(400 MHz, $CDCl_3$)

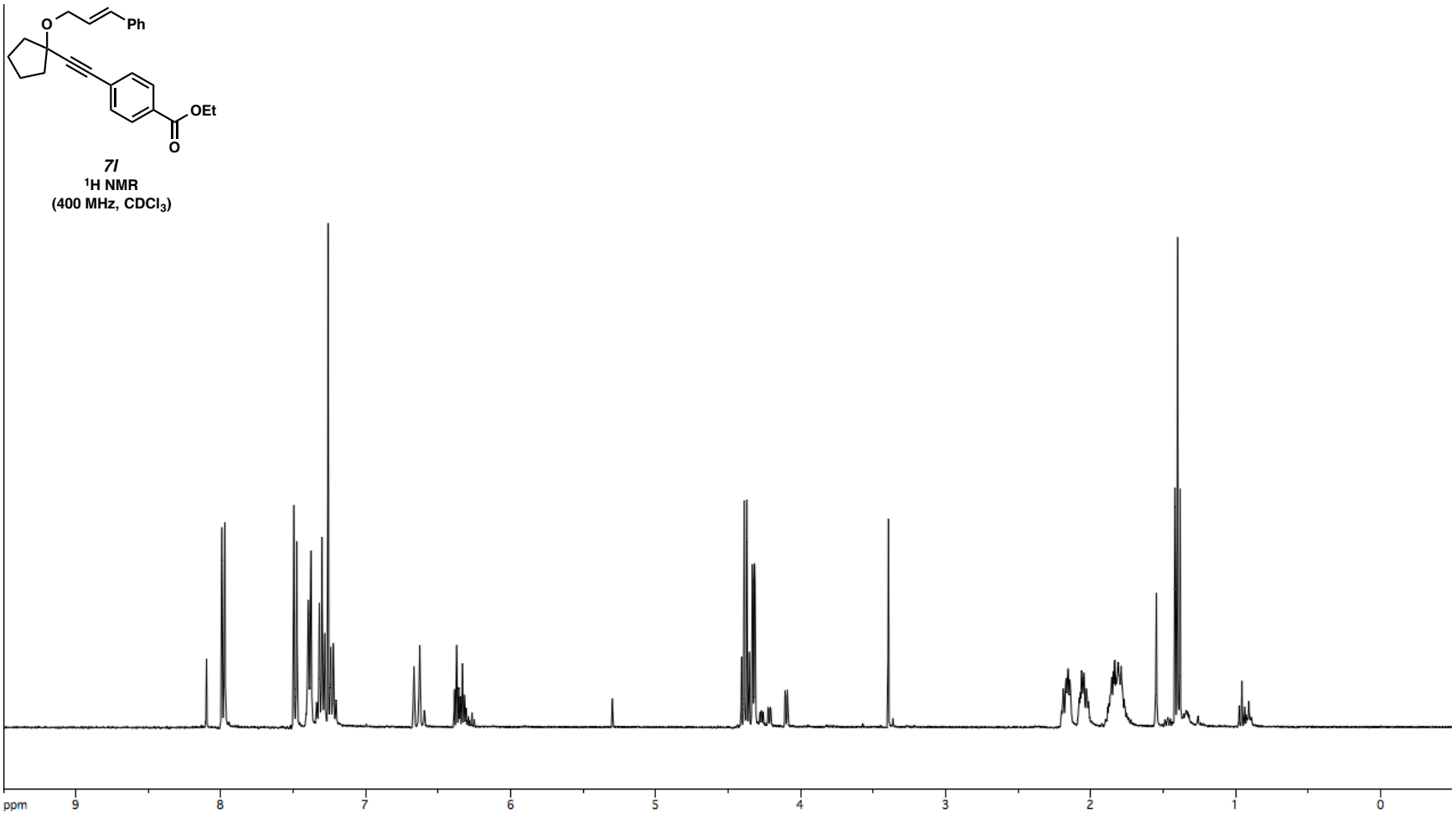


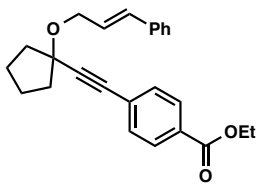
7k
^{13}C NMR
(100 MHz, $CDCl_3$)



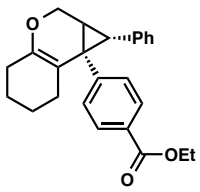
8k
^{1}H NMR
(400 MHz, C_6D_6)



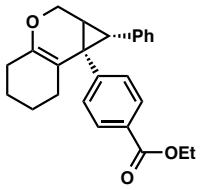




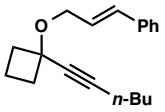
7l
^{13}C NMR
(100 MHz, $CDCl_3$)



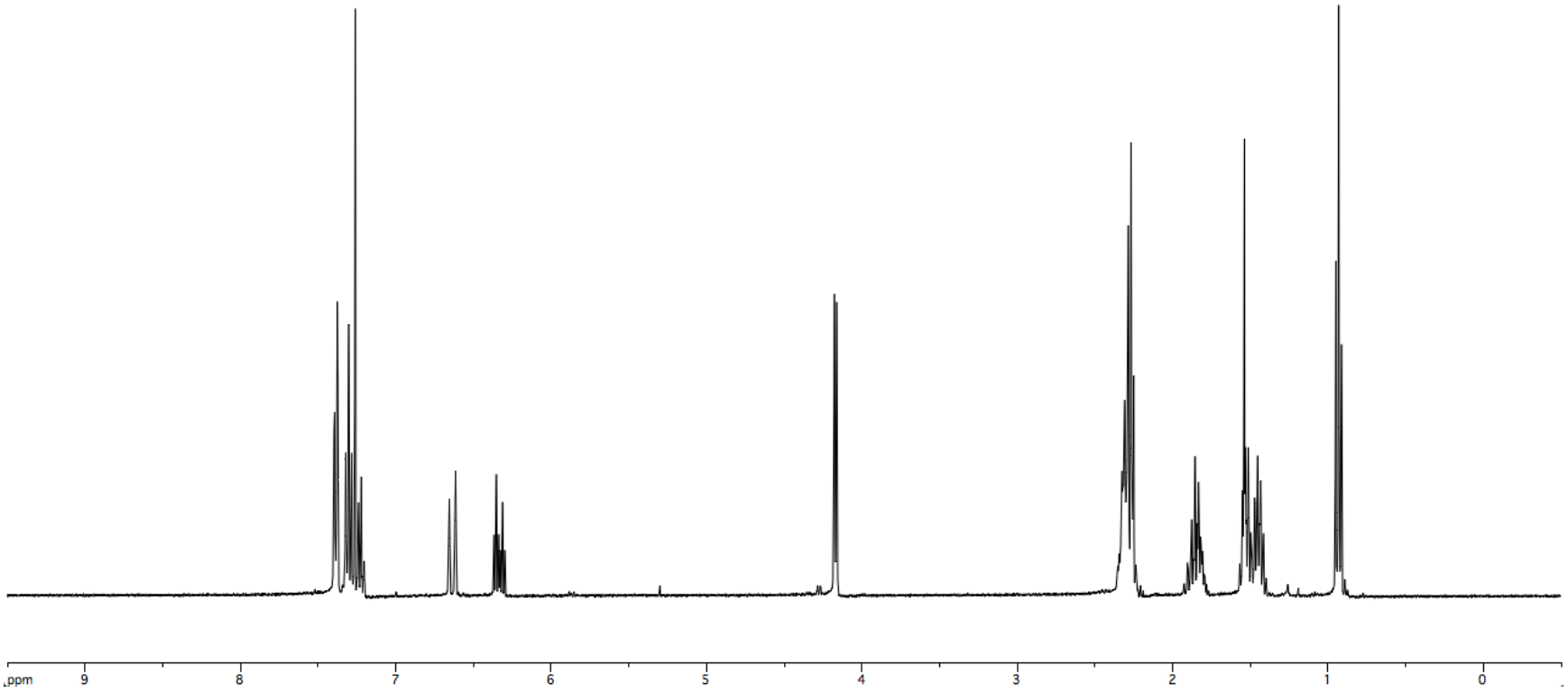
8l
^{1}H NMR
(400 MHz, C_6D_6)

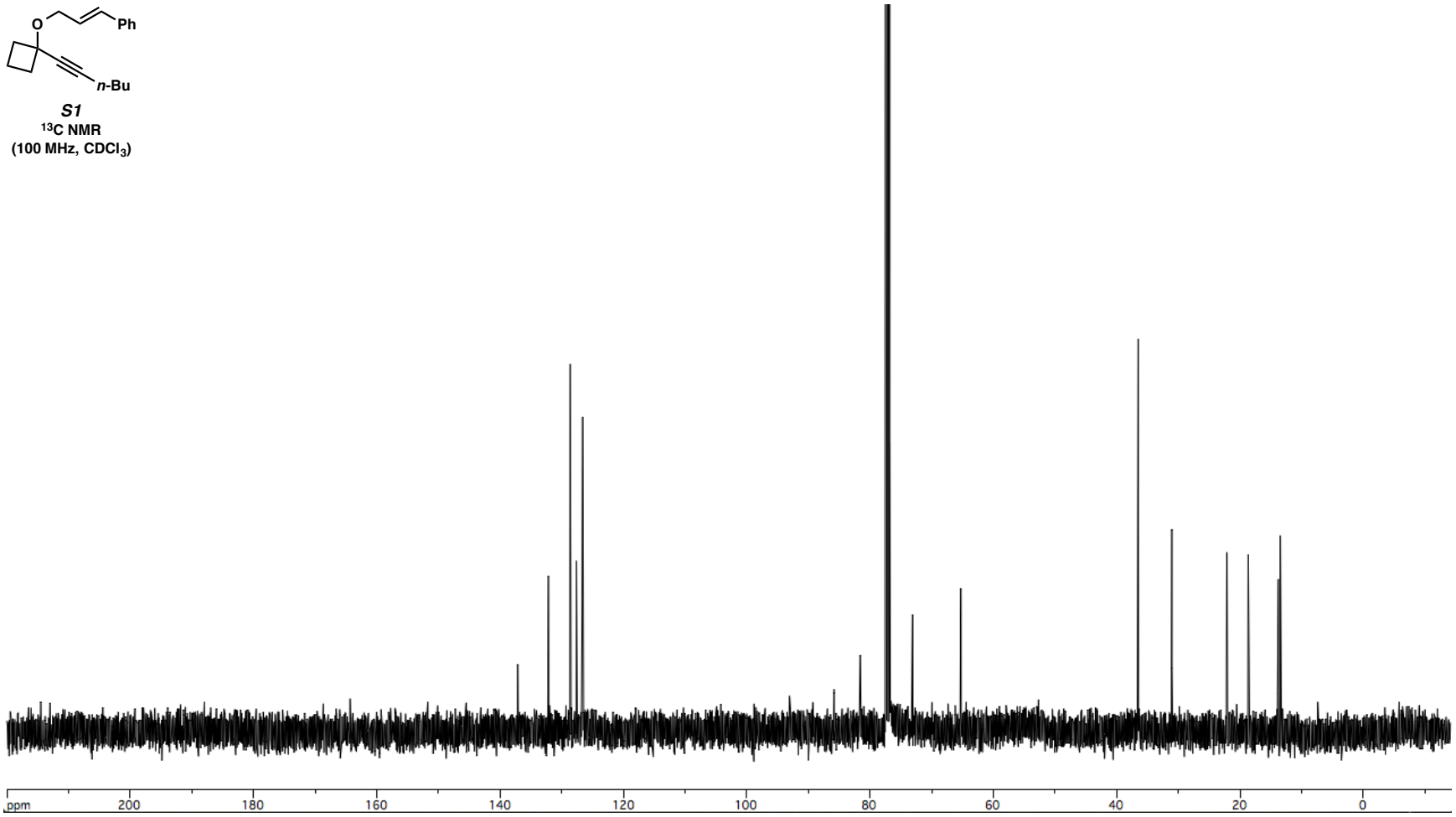


8l
^{13}C NMR
(100 MHz, C_6D_6)

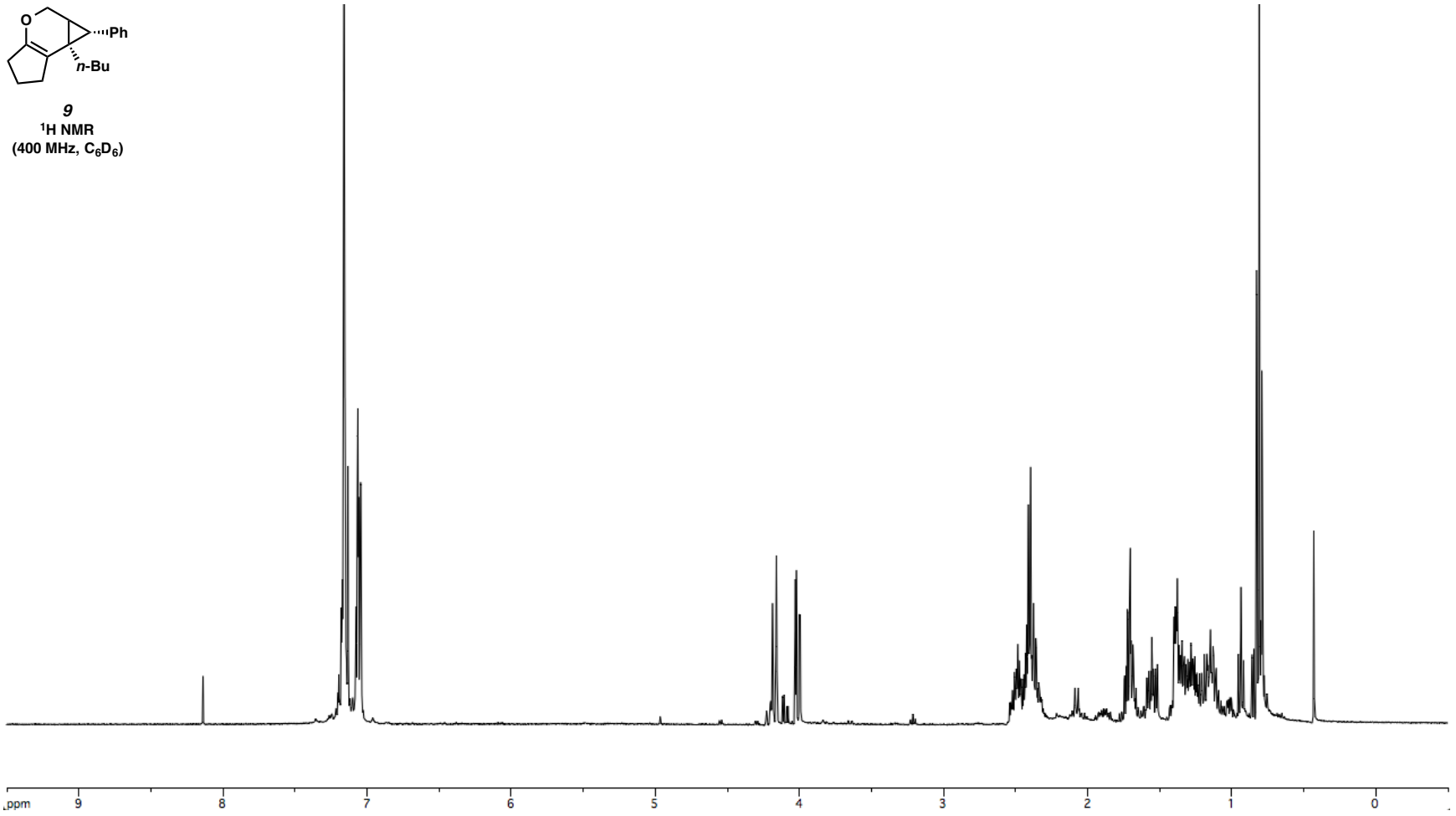


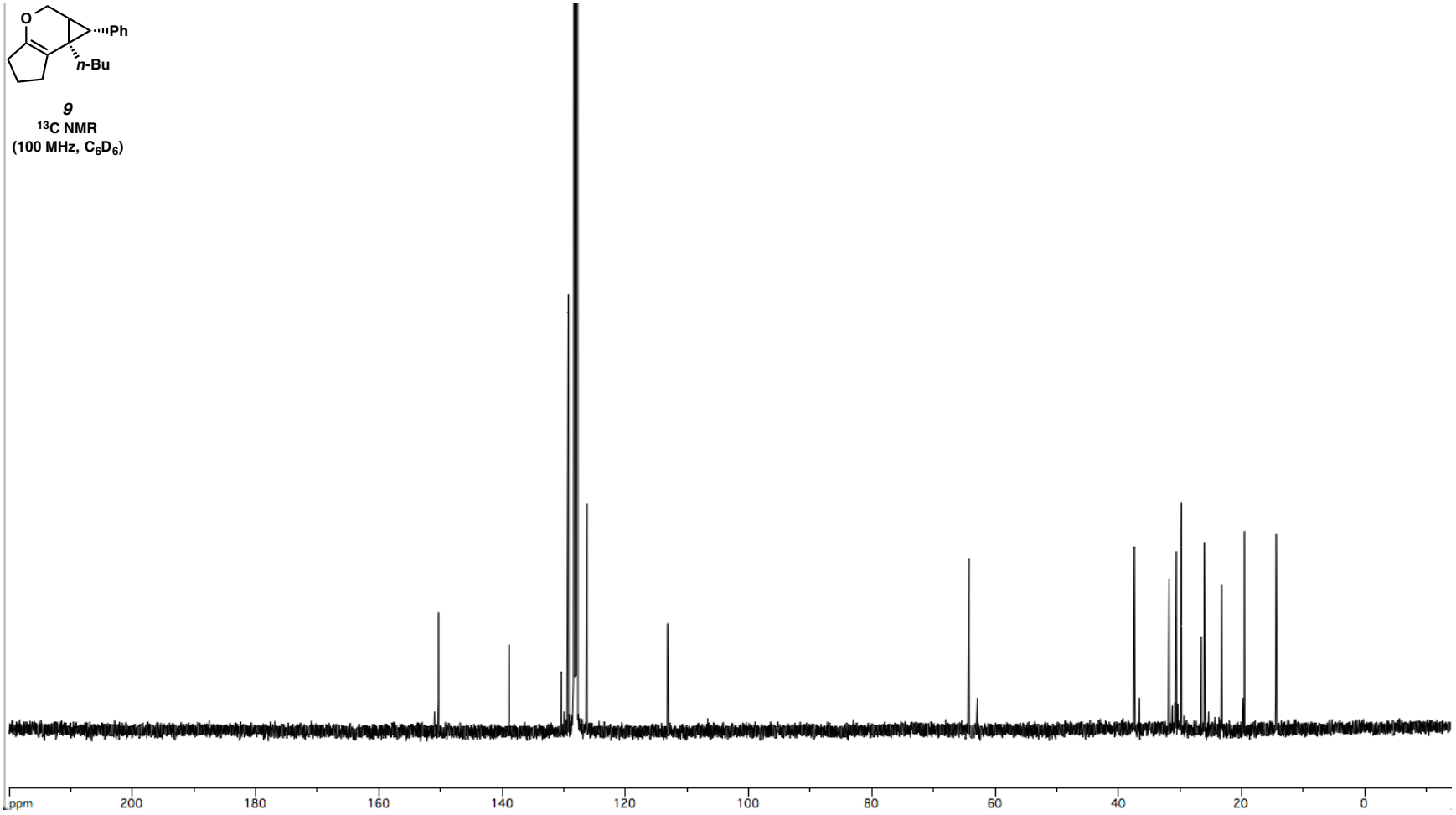
S1
^{1}H NMR
(400 MHz, $CDCl_3$)

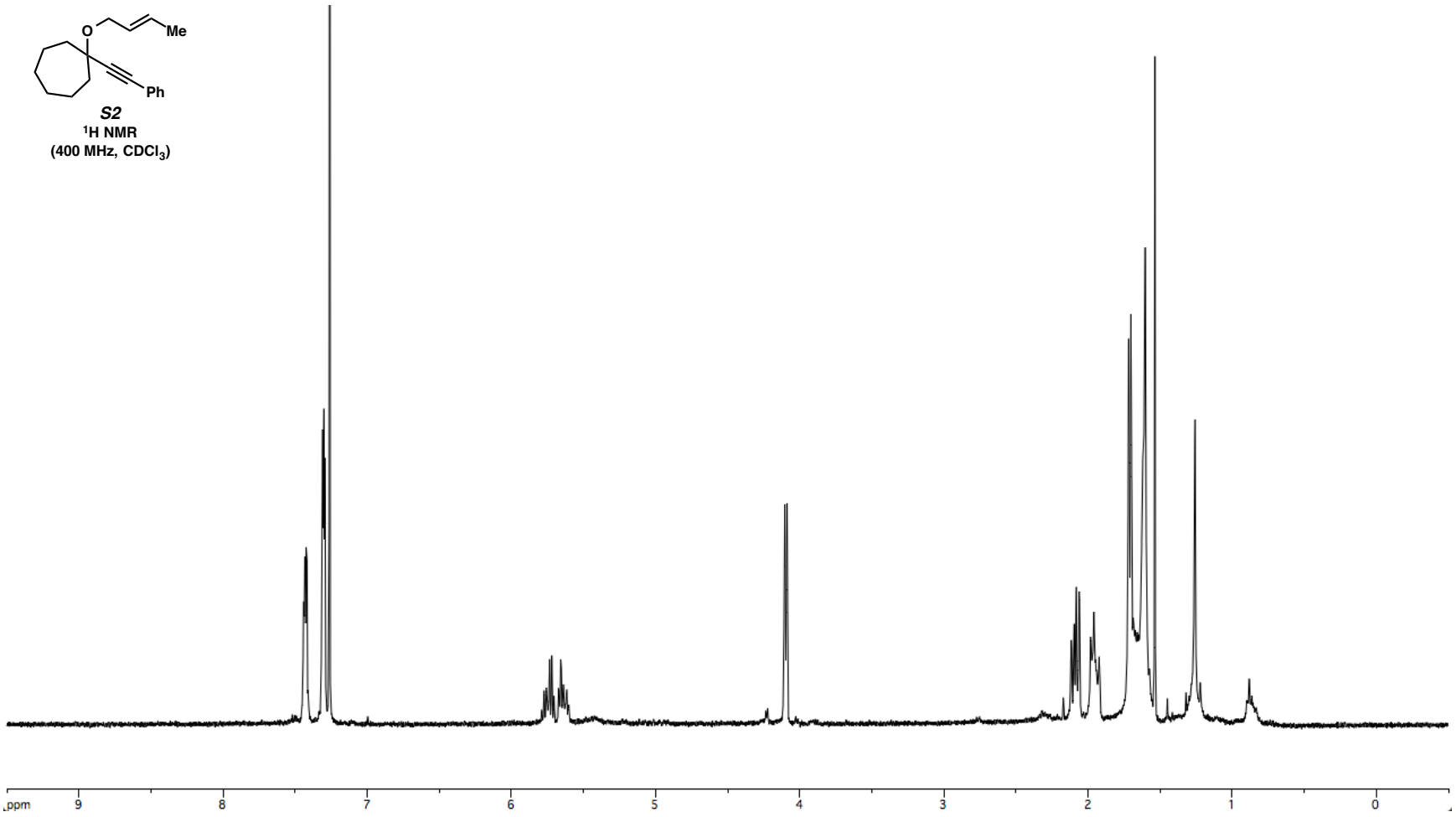


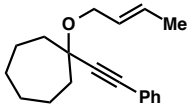


S1
^{13}C NMR
(100 MHz, $CDCl_3$)

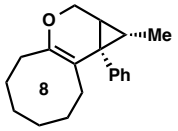




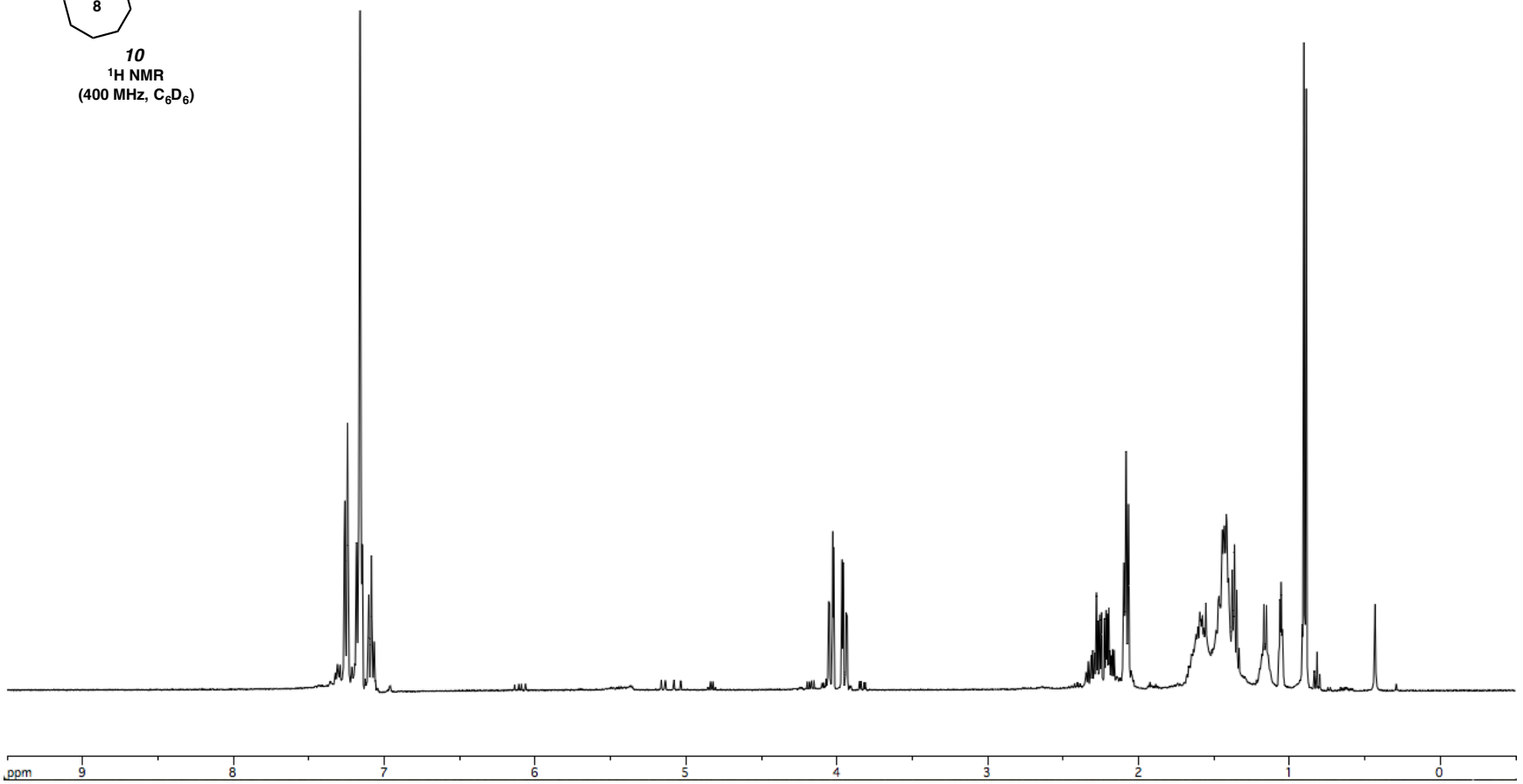


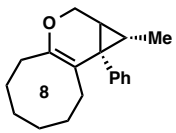


S2
^{13}C NMR
(100 MHz, $CDCl_3$)

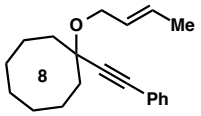


10
^{1}H NMR
(400 MHz, C_6D_6)

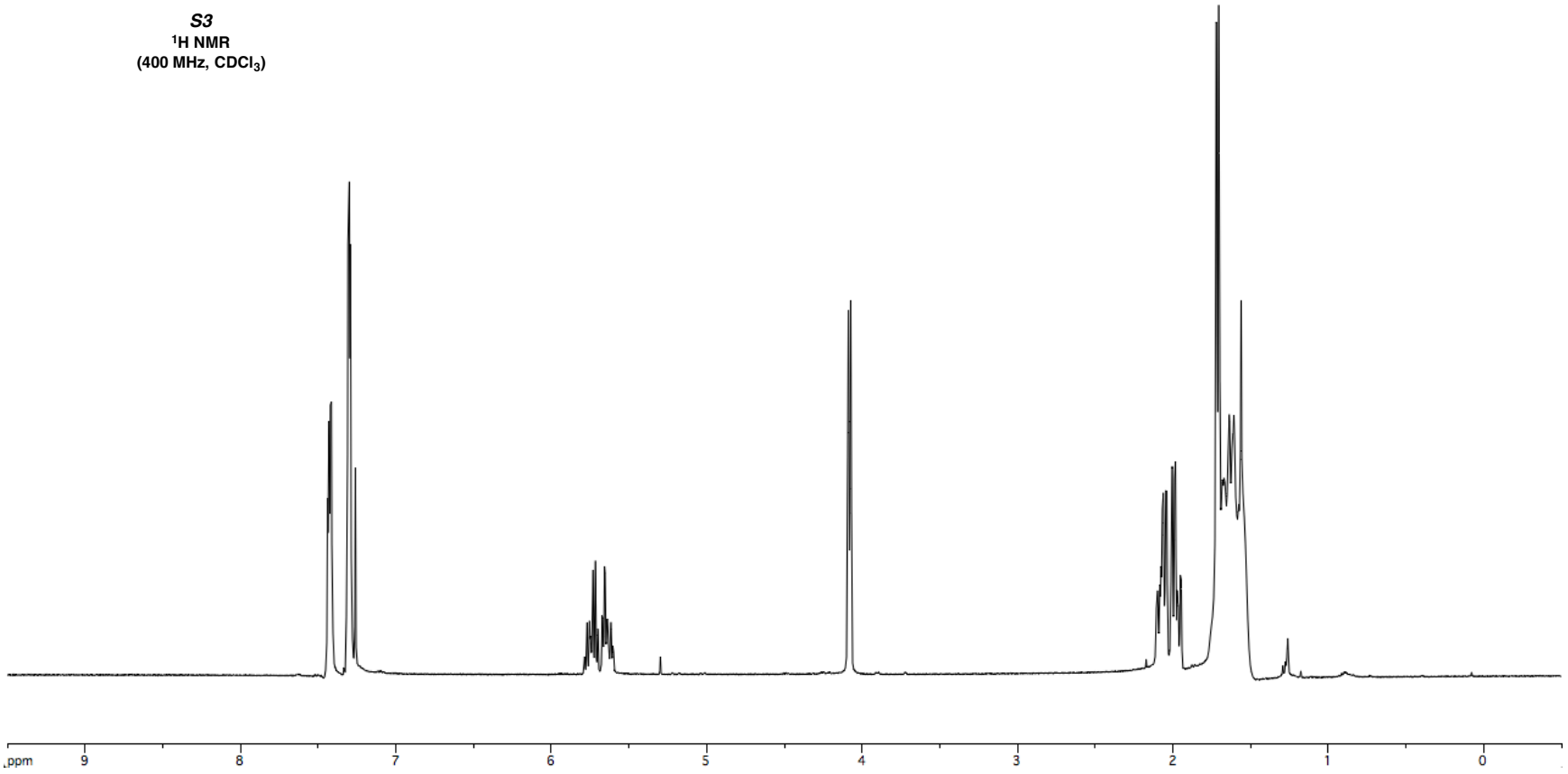


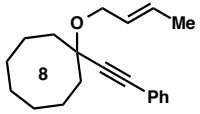


10
^{13}C NMR
(100 MHz, C_6D_6)

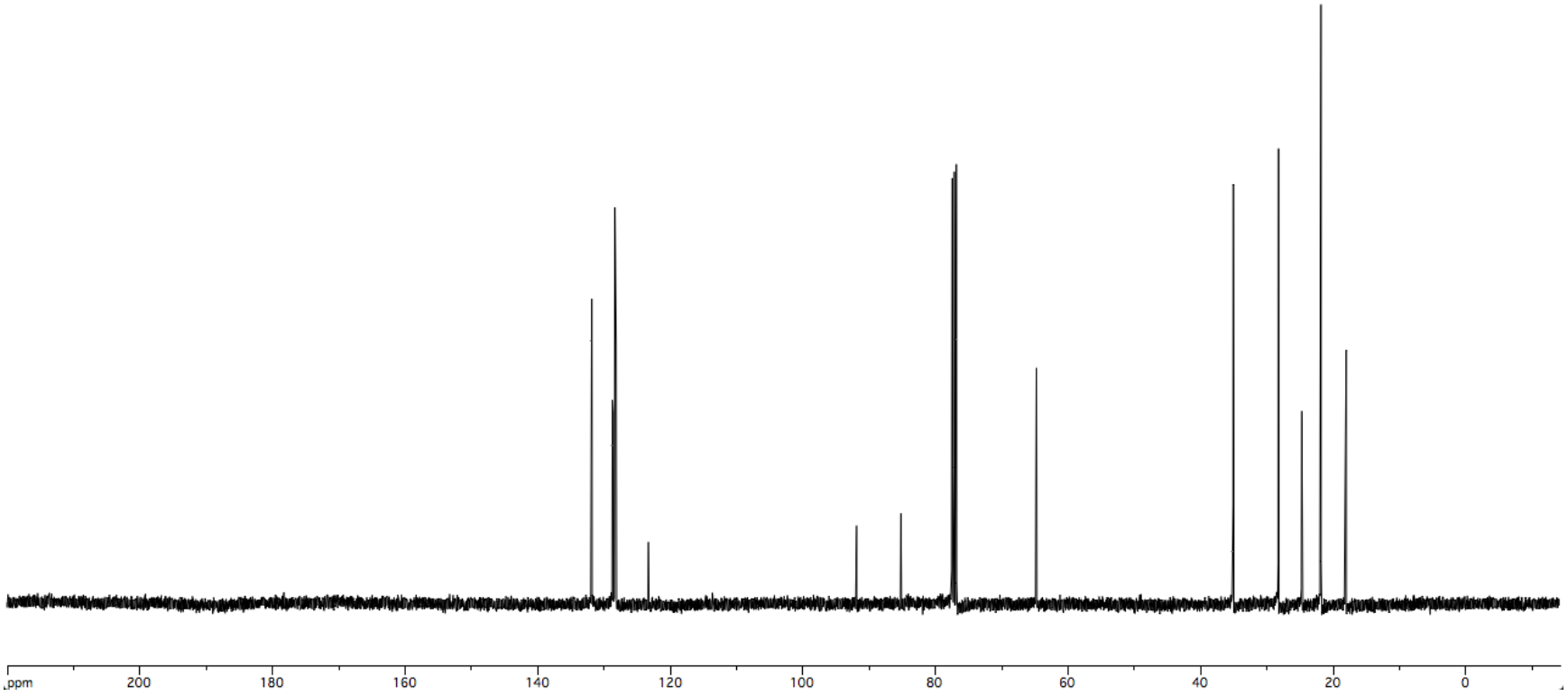


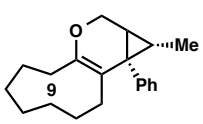
S3
^{1}H NMR
(400 MHz, $CDCl_3$)



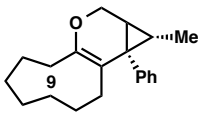


S3
^{13}C NMR
(100 MHz, $CDCl_3$)

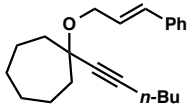




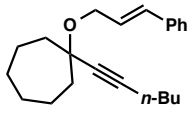
11
^{1}H NMR
(400 MHz, C_6D_6)



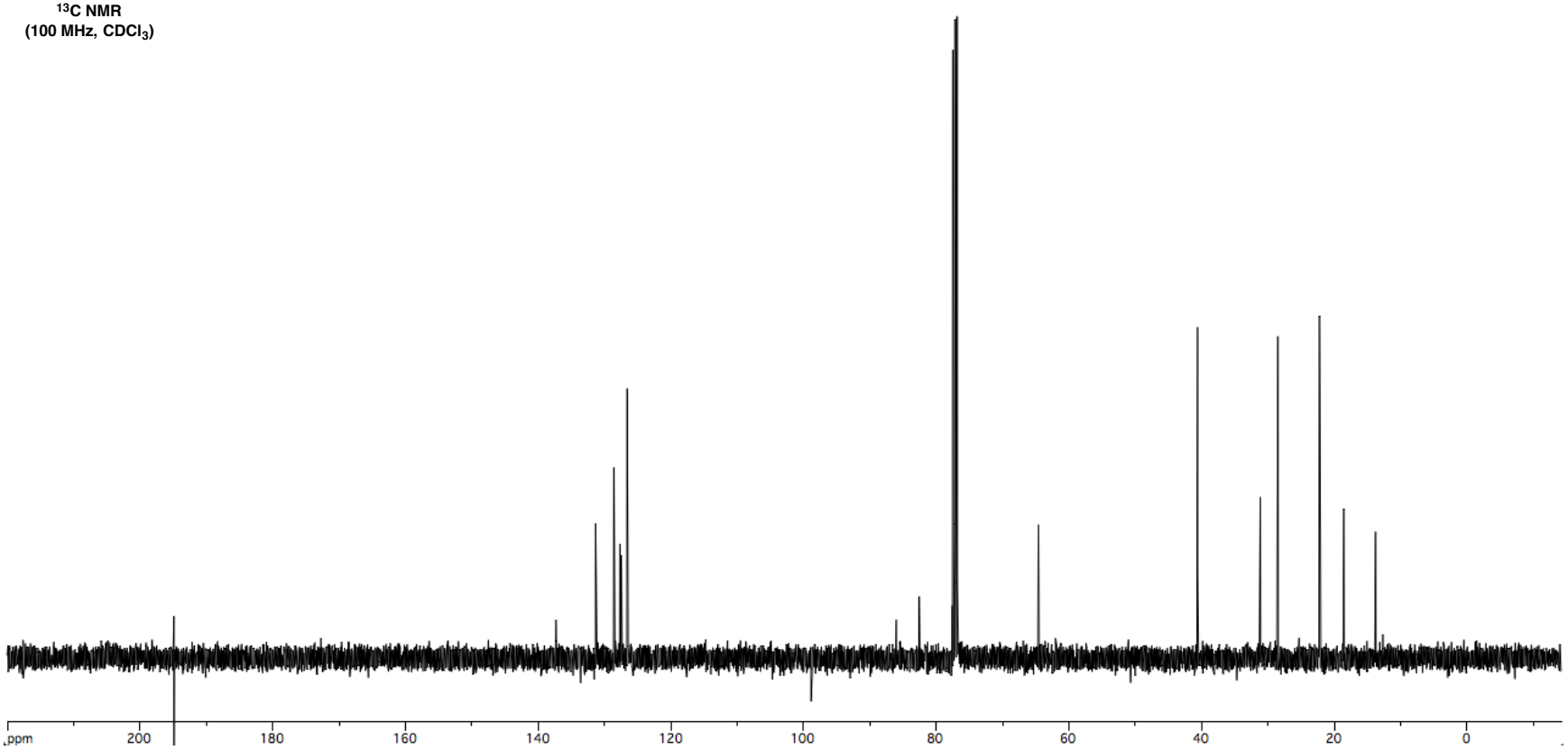
11
^{13}C NMR
(100 MHz, C_6D_6)

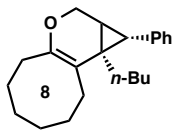


S4
^{1}H NMR
(400 MHz, $CDCl_3$)

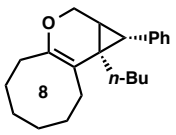


S4
^{13}C NMR
(100 MHz, $CDCl_3$)

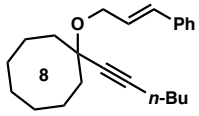




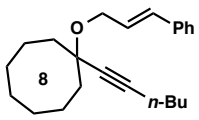
12
^{1}H NMR
(400 MHz, C_6D_6)



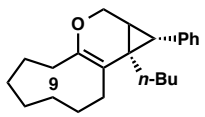
12
^{13}C NMR
(100 MHz, C_6D_6)



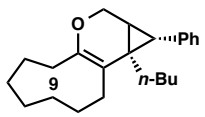
S5
^{1}H NMR
(400 MHz, $CDCl_3$)



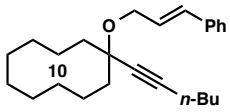
S5
^{13}C NMR
(100 MHz, $CDCl_3$)



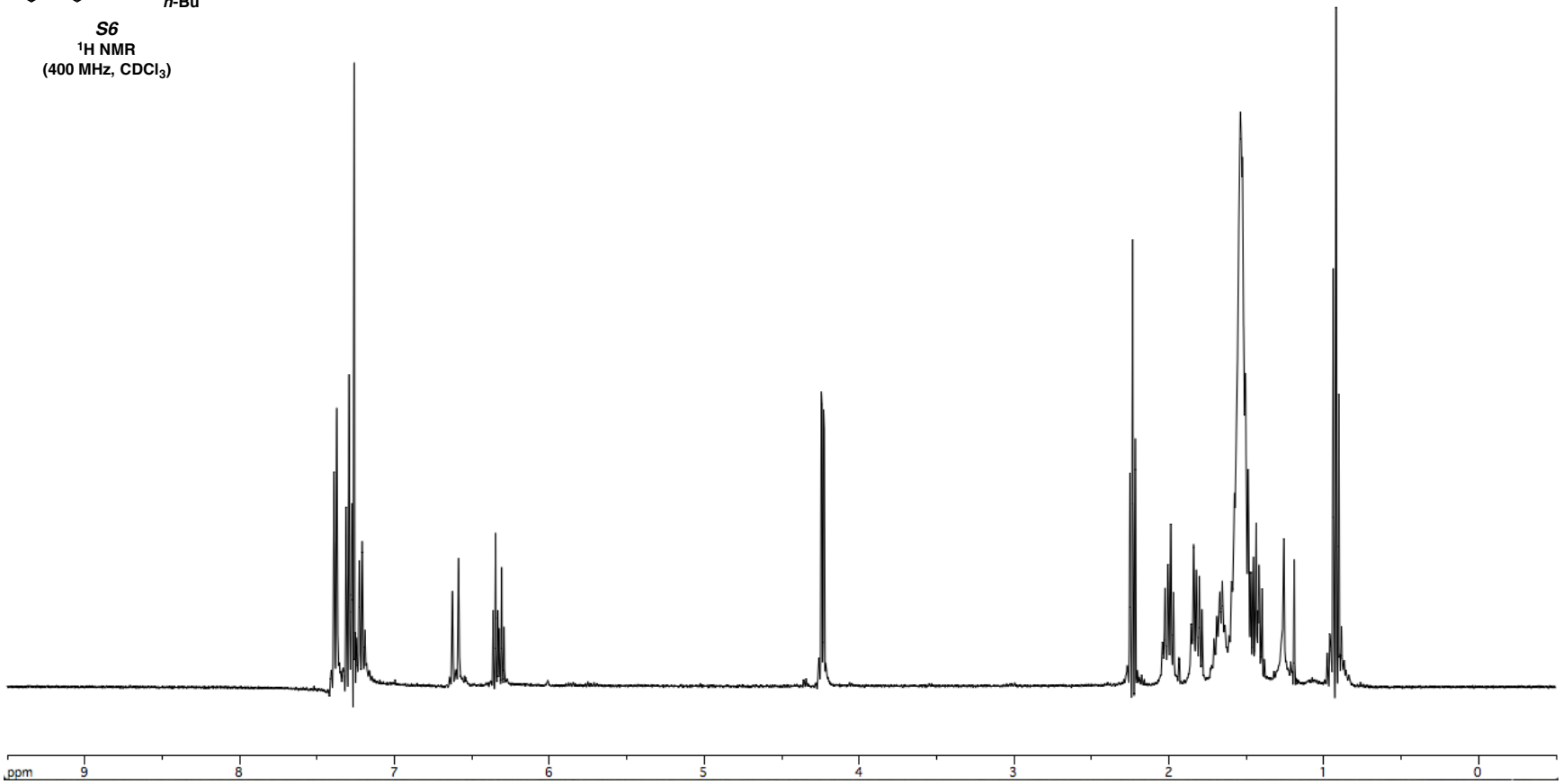
13
^{1}H NMR
(400 MHz, C_6D_6)

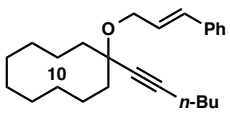


13
^{13}C NMR
(100 MHz, C_6D_6)

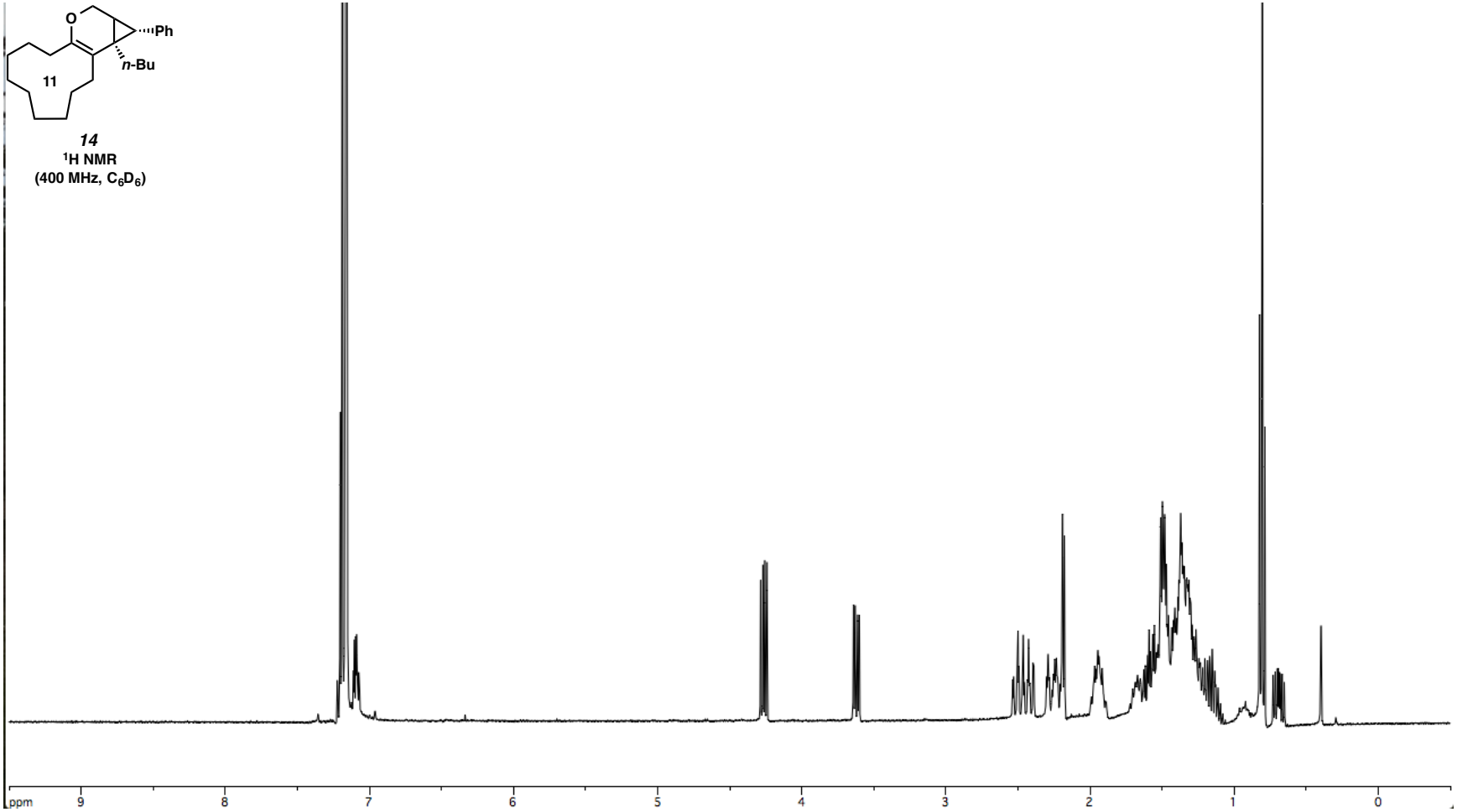


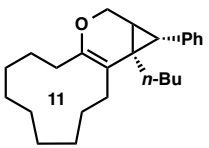
S6
^{1}H NMR
(400 MHz, $CDCl_3$)



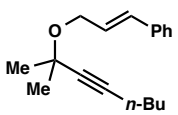


S6
^{13}C NMR
(100 MHz, $CDCl_3$)

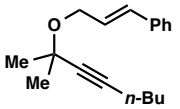




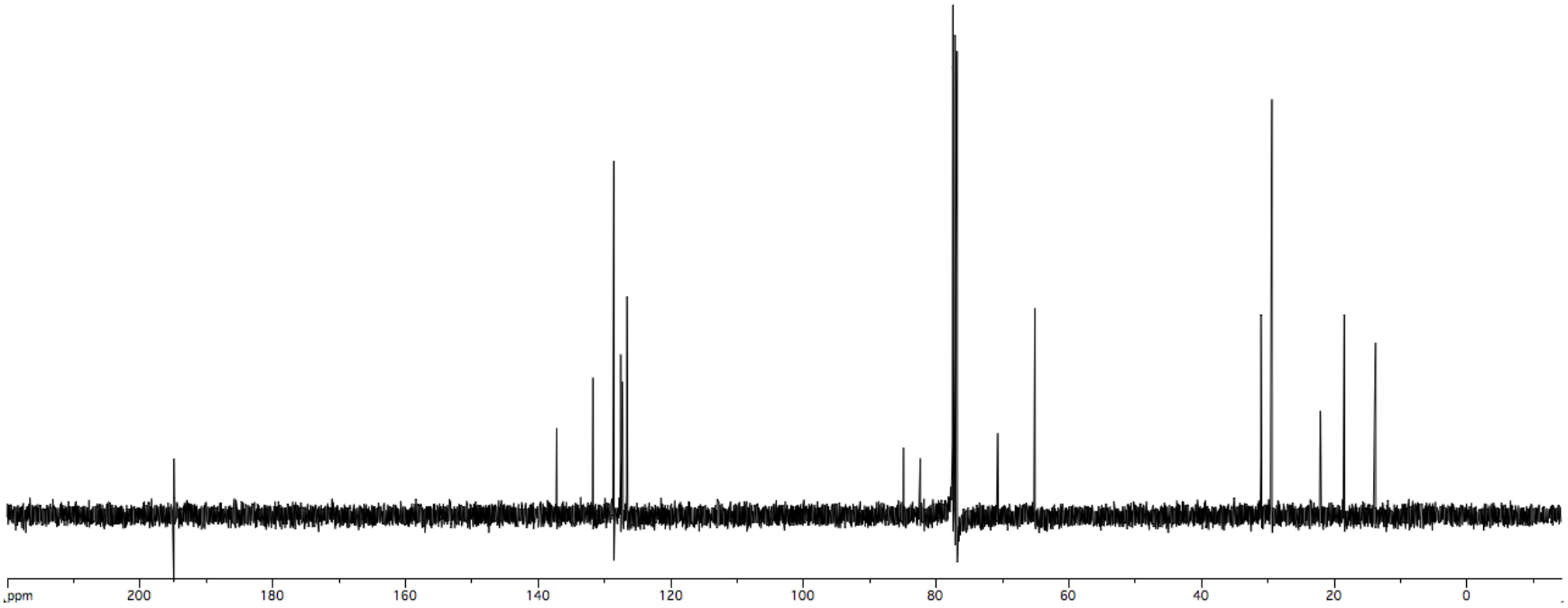
14
^{13}C NMR
(100 MHz, C_6D_6)

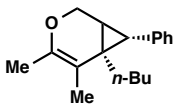


15
^{1}H NMR
(400 MHz, $CDCl_3$)

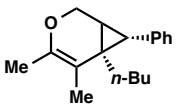


15
^{13}C NMR
(100 MHz, $CDCl_3$)

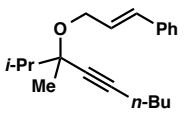




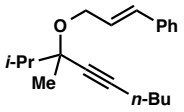
17
^{1}H NMR
(400 MHz, C_6D_6)



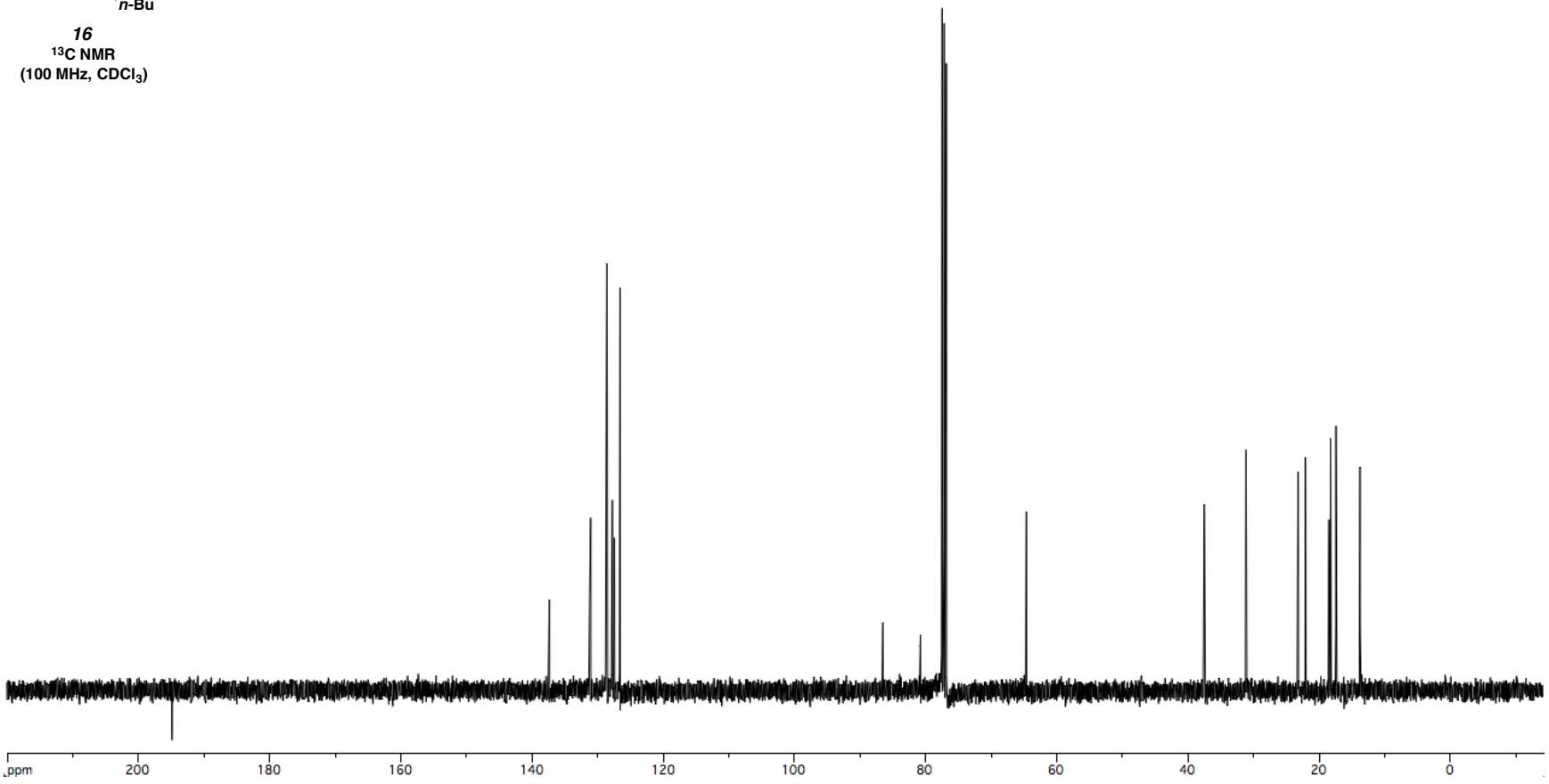
XX
^{13}C NMR
(100 MHz, C_6D_6)

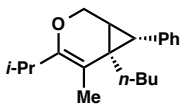


16
^{1}H NMR
(400 MHz, $CDCl_3$)

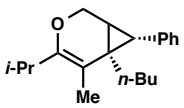


16
^{13}C NMR
(100 MHz, $CDCl_3$)

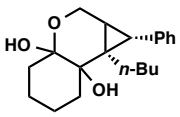




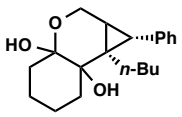
18
^{1}H NMR
(400 MHz, C_6D_6)



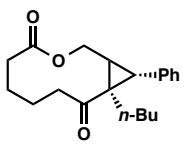
18
^{13}C NMR
(100 MHz, C_6D_6)



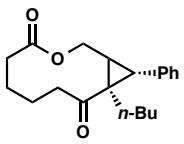
19a
^{1}H NMR
(400 MHz, C_6D_6)



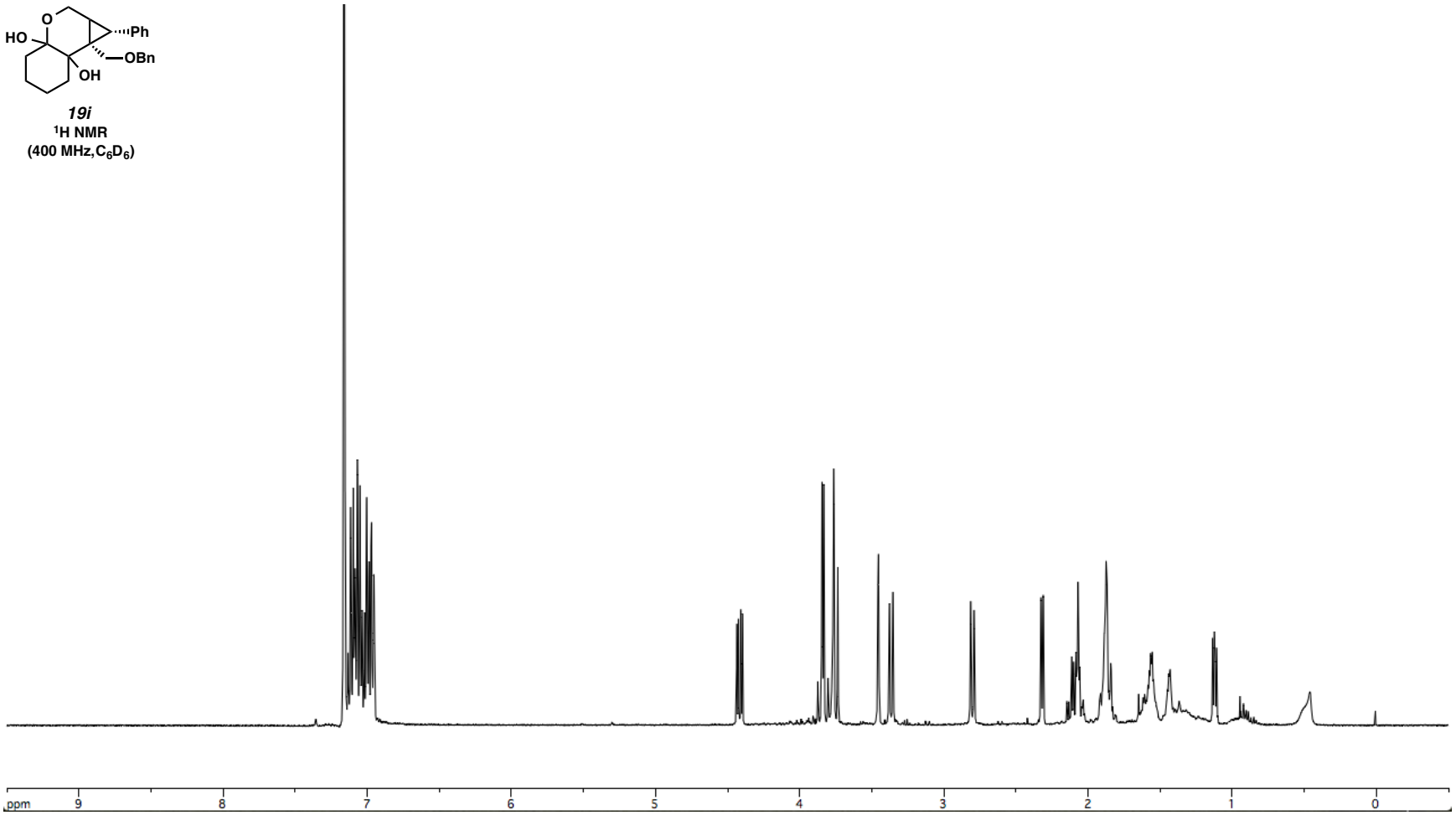
19a
^{13}C NMR
(100 MHz, C_6D_6)

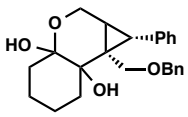


20a
^{1}H NMR
(400 MHz, C_6D_6)

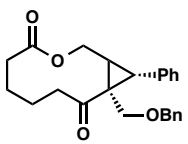


20a
^{13}C NMR
(100 MHz, C_6D_6)

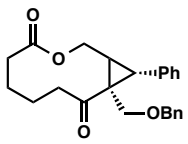




19i
^{13}C NMR
(100 MHz, C_6D_6)



20i
^{1}H NMR
(400 MHz, C_6D_6)



20i
^{13}C NMR
(100 MHz, C_6D_6)