Practice Problem: Carbon-Fluorine Couplings
In the next two problems, we'll look at the carbon-13 spectra of some biaryls (courtesy Dr. Jaclyn Henderson). Please assign the spectrum of this compound. There is no reason to "fly blind" here, so the predicted spectra (ChemDraw 9) are provided right.

100 MHz, CDCl₃
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Here is a harder example (also courtesy Dr. Jaclyn Henderson).
Please assign this carbon-13 NMR spectrum (100 MHz, CDCl₃).

all peaks right of arrow are singlets