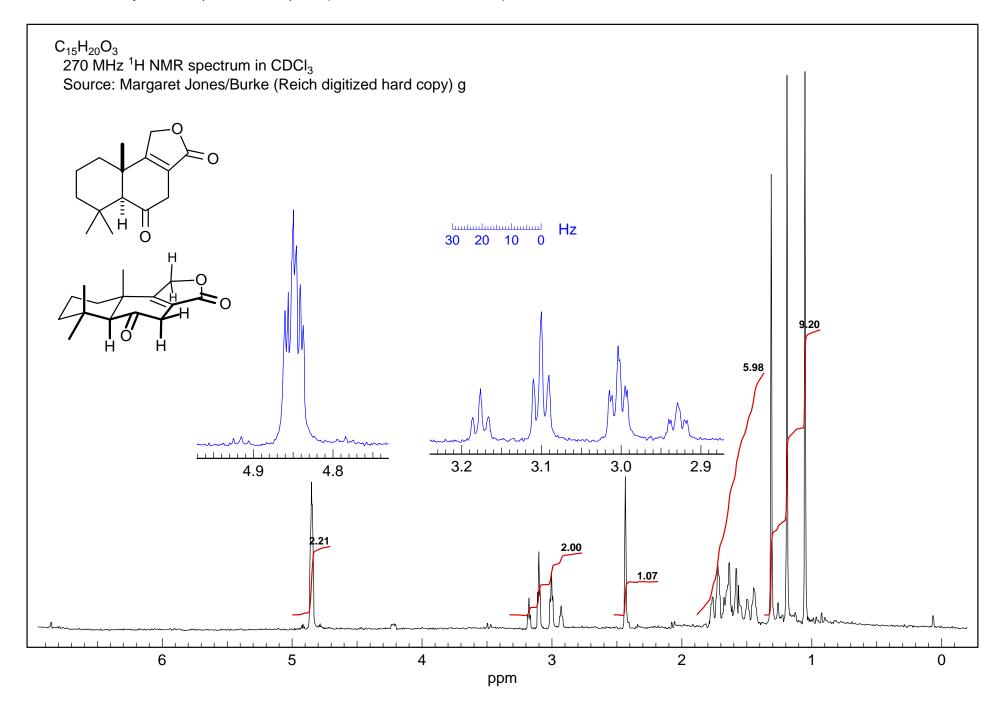
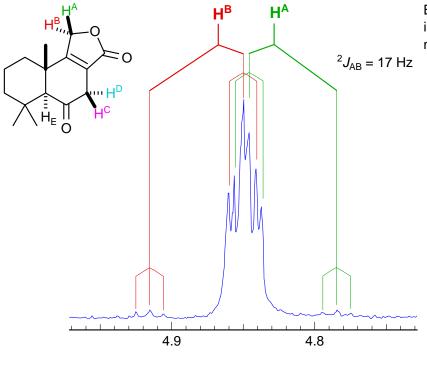
Exercise: Analyze the expanded multiplets (centered at δ 3.05, δ 4.85).



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Both gem (2J) couplings are unusually large, $^2J_{\rm CD}$ especially so, because the CH $_2$ is flanked by C=O on one side and C=C on the other. Both effects make 2J more negative, increasing the magnitude of these negative J values.

