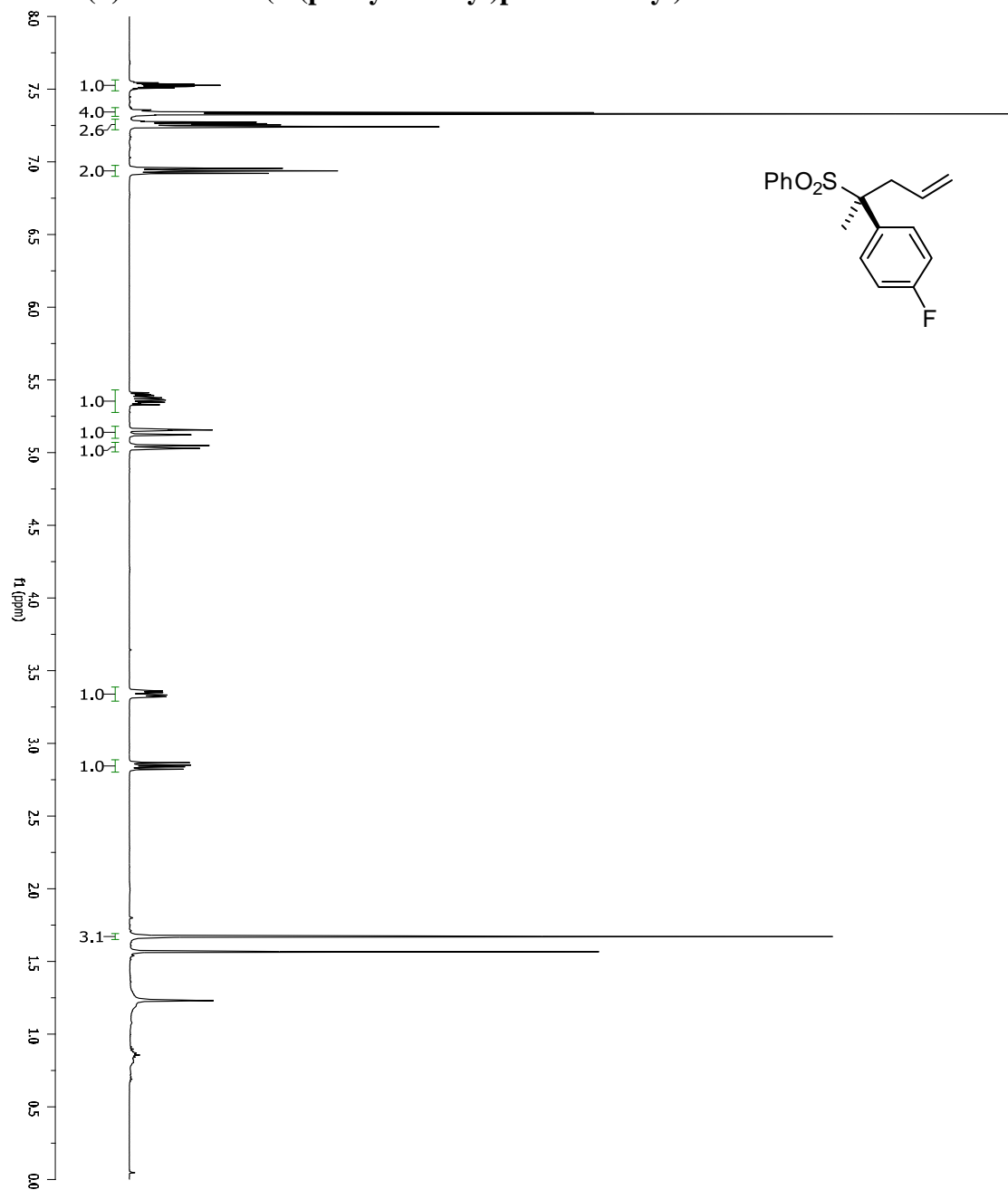
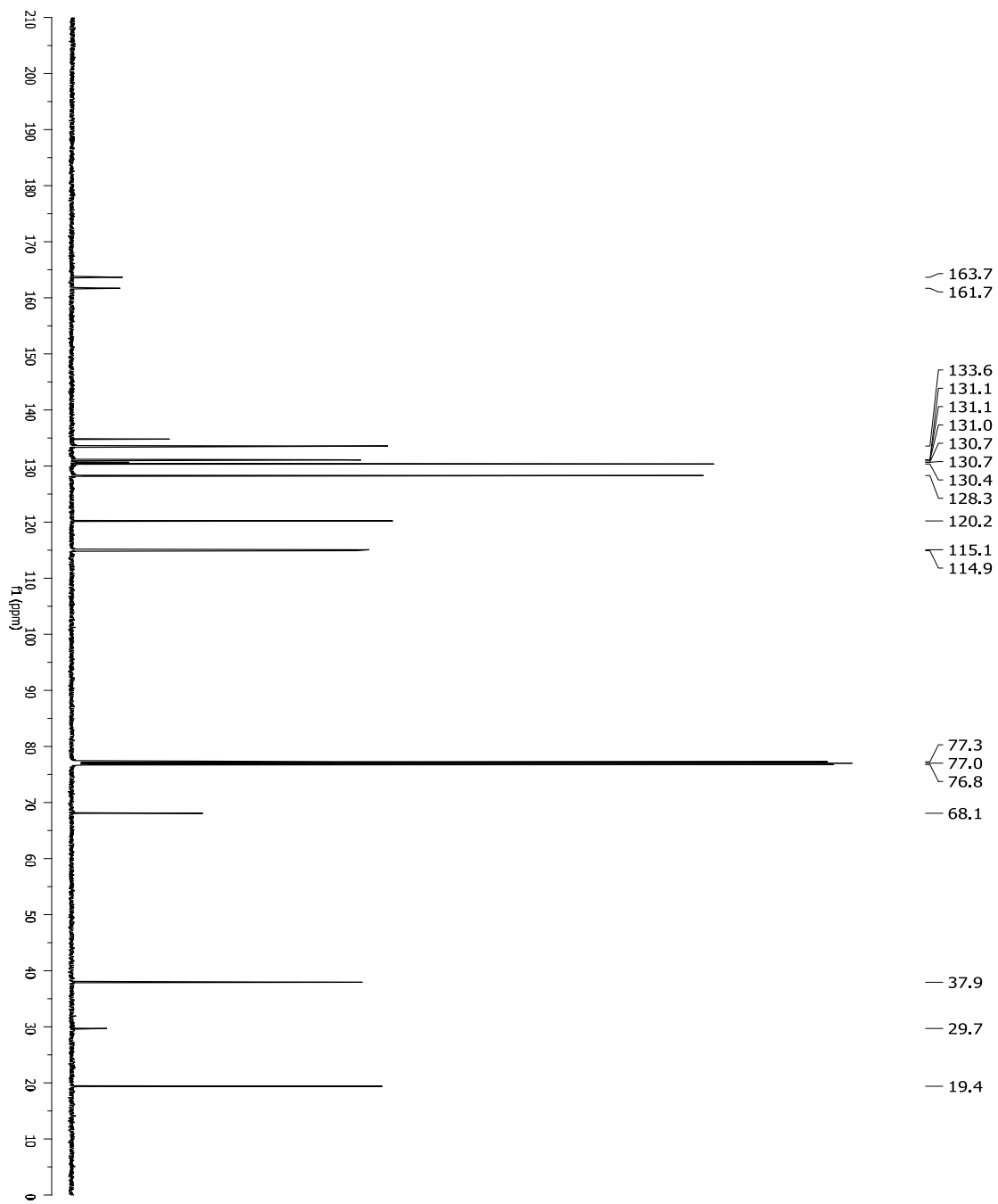
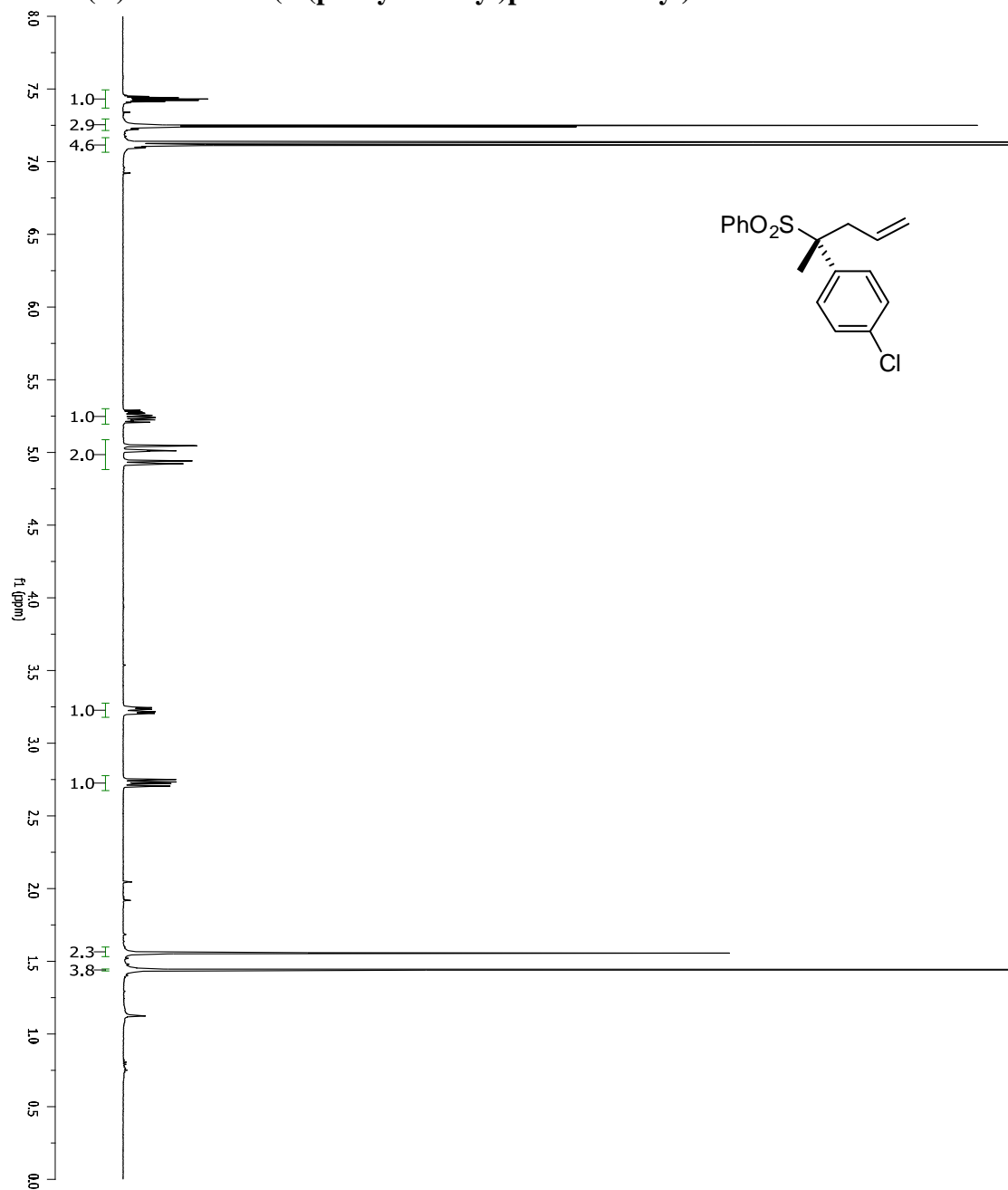


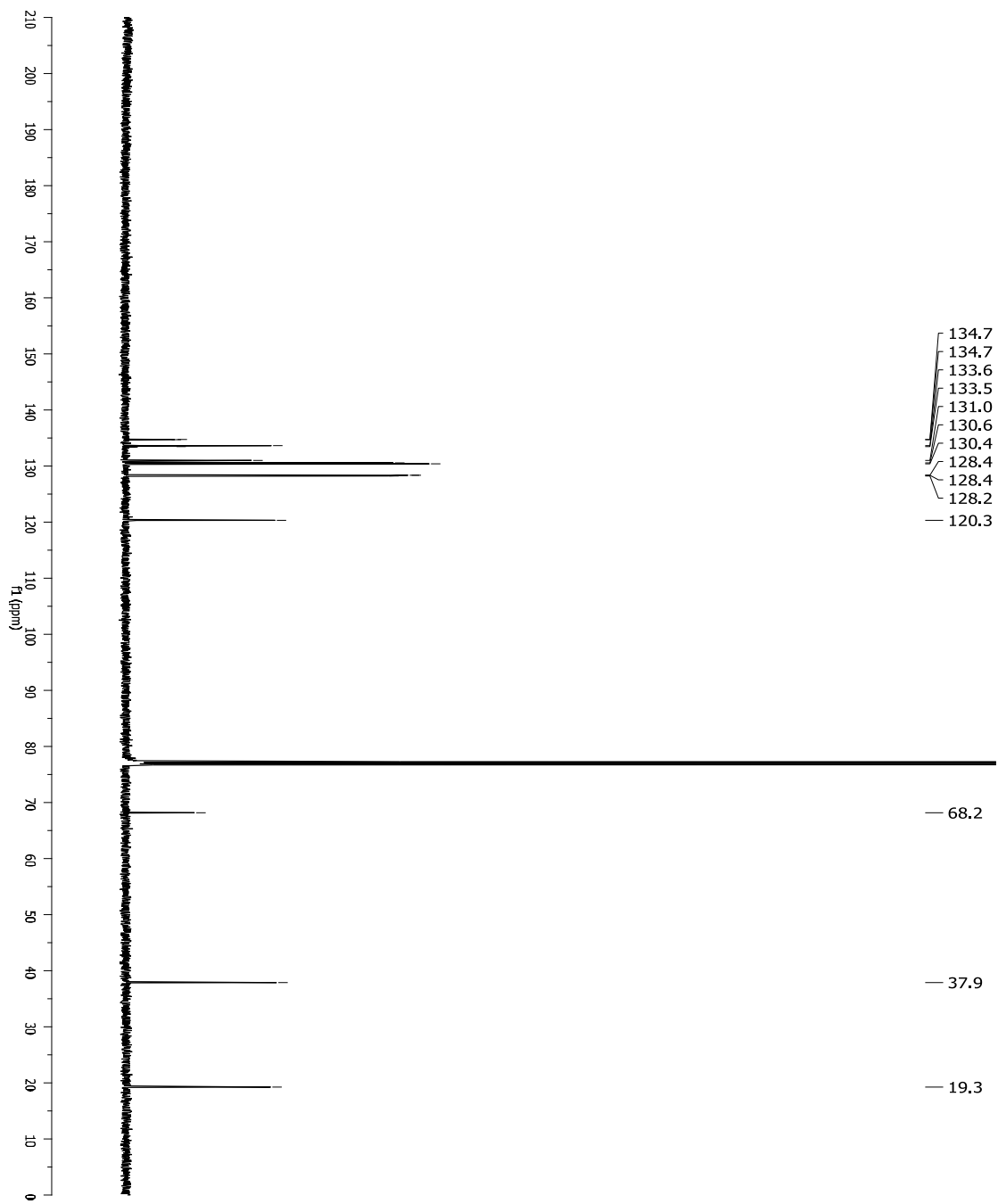
2b: (S)-1-fluoro-4-(2-(phenylsulfonyl)pent-4-en-2-yl)benzene



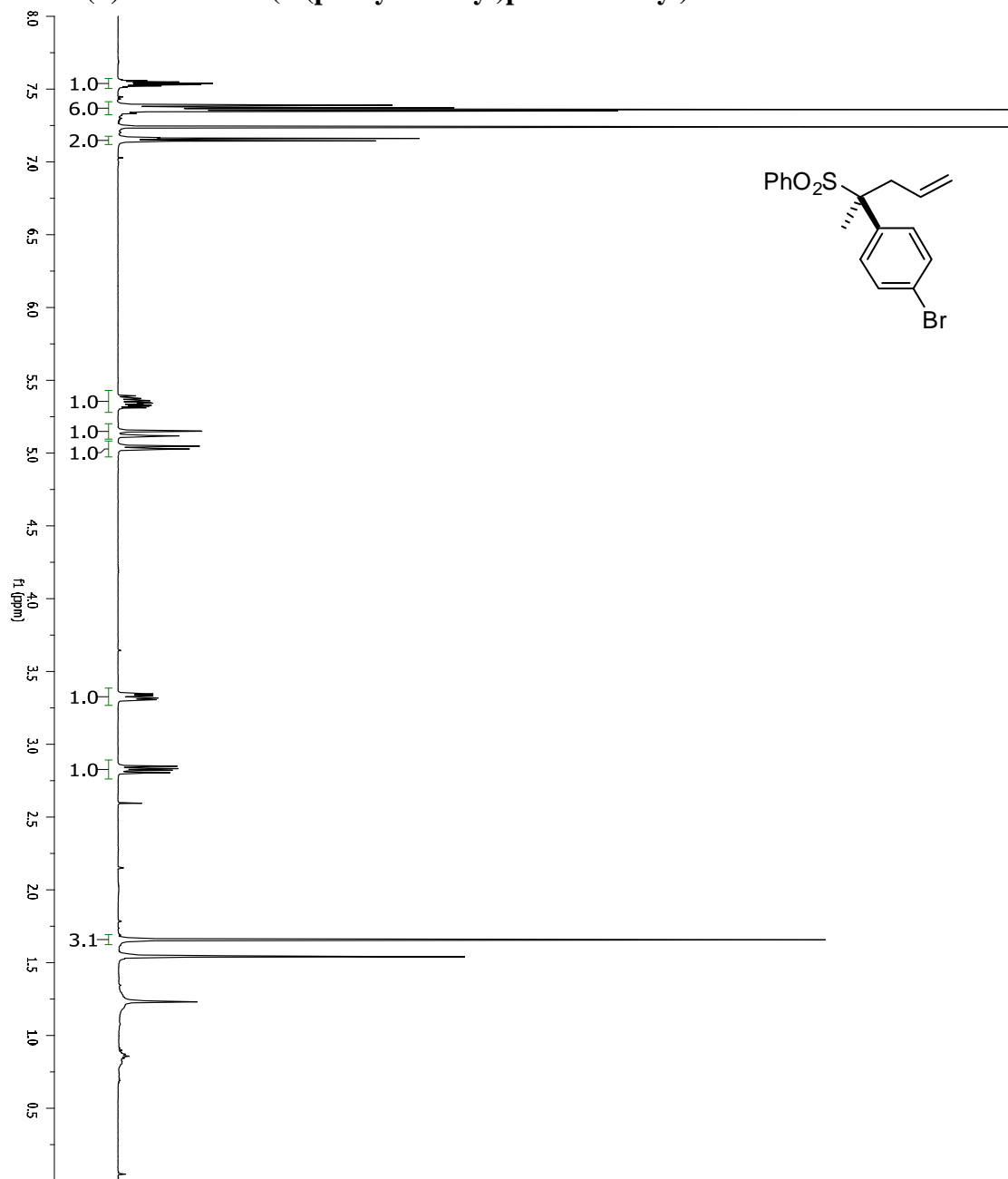


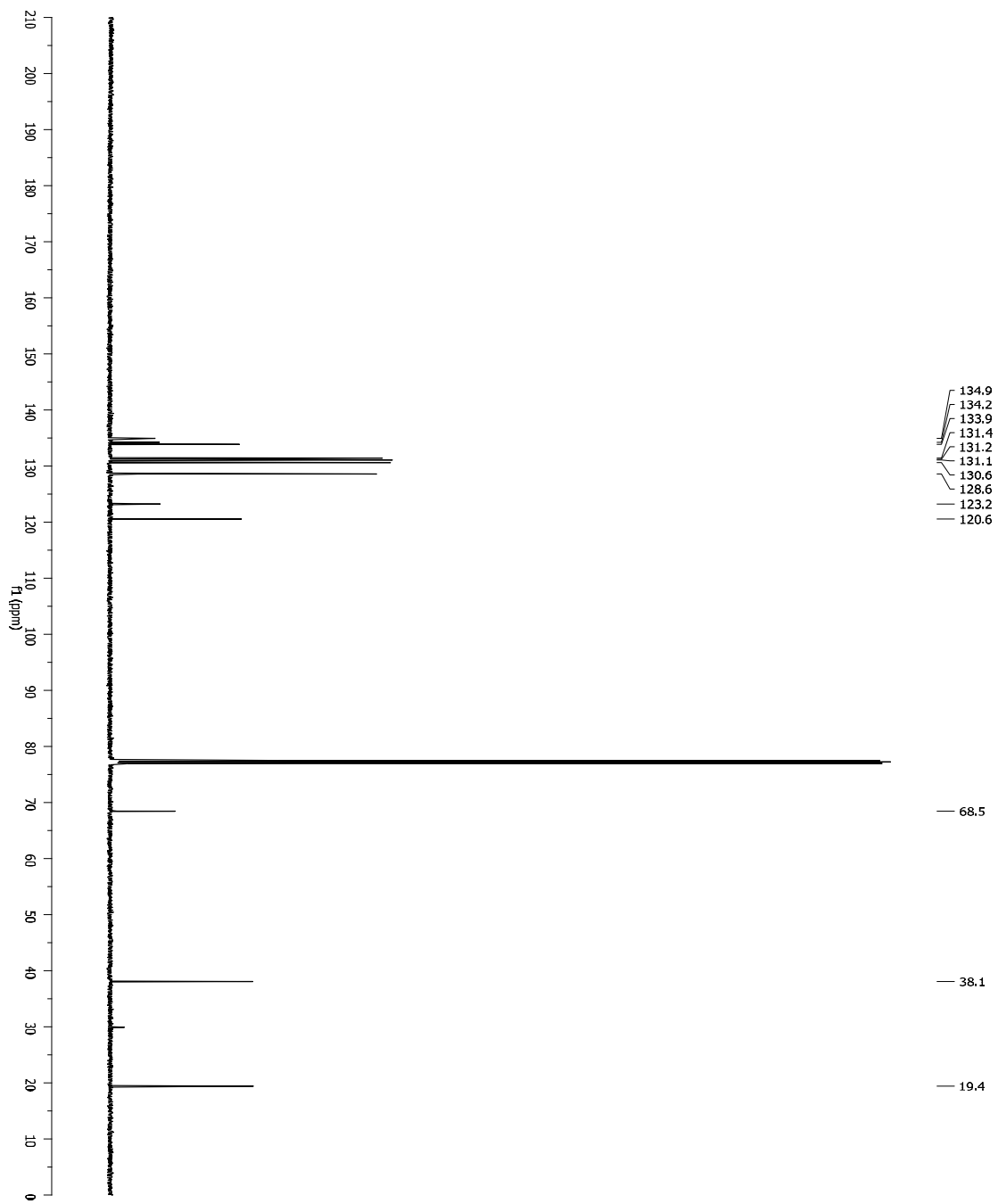
2c: (R)-1-chloro-4-(2-(phenylsulfonyl)pent-4-en-2-yl)benzene



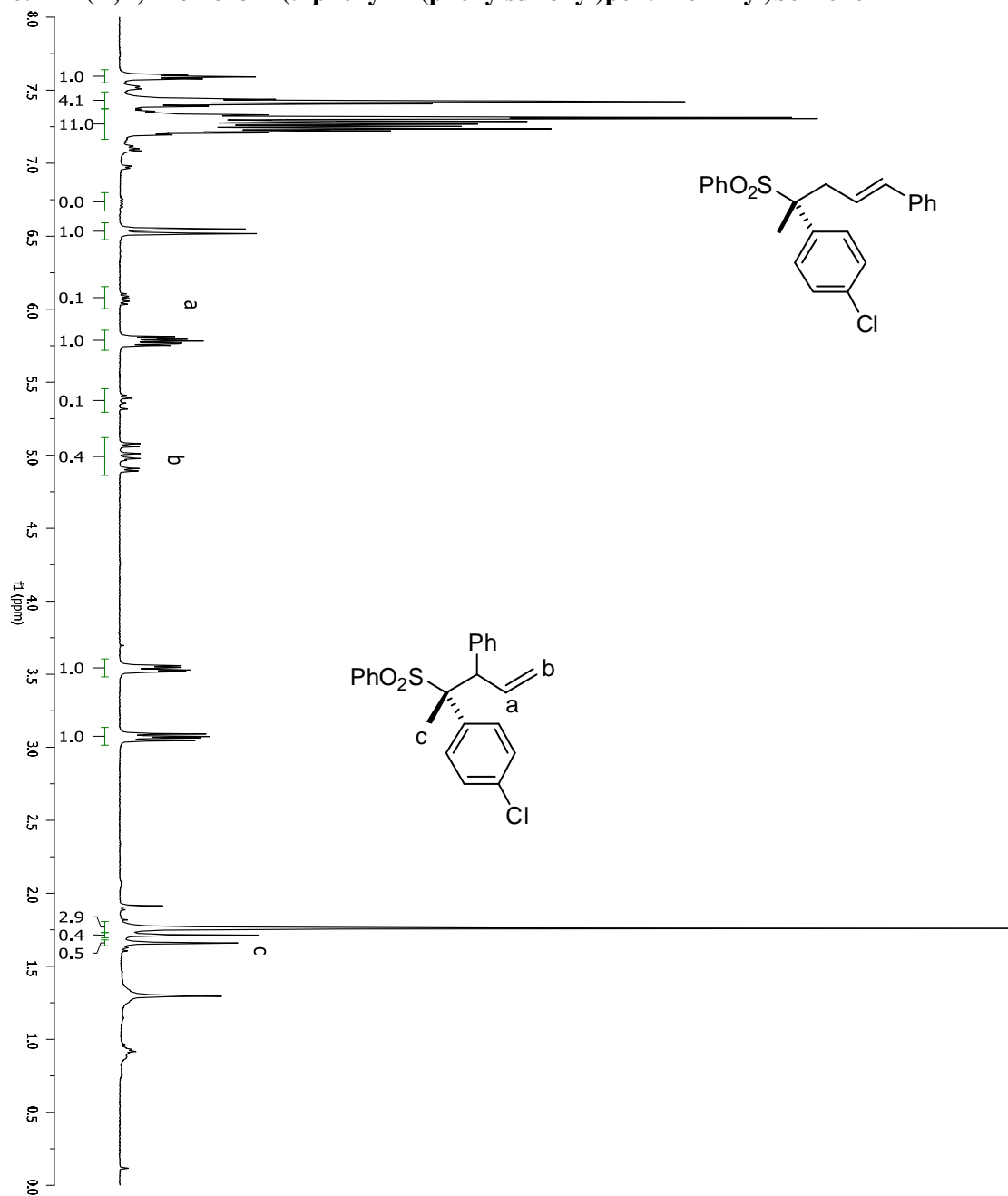


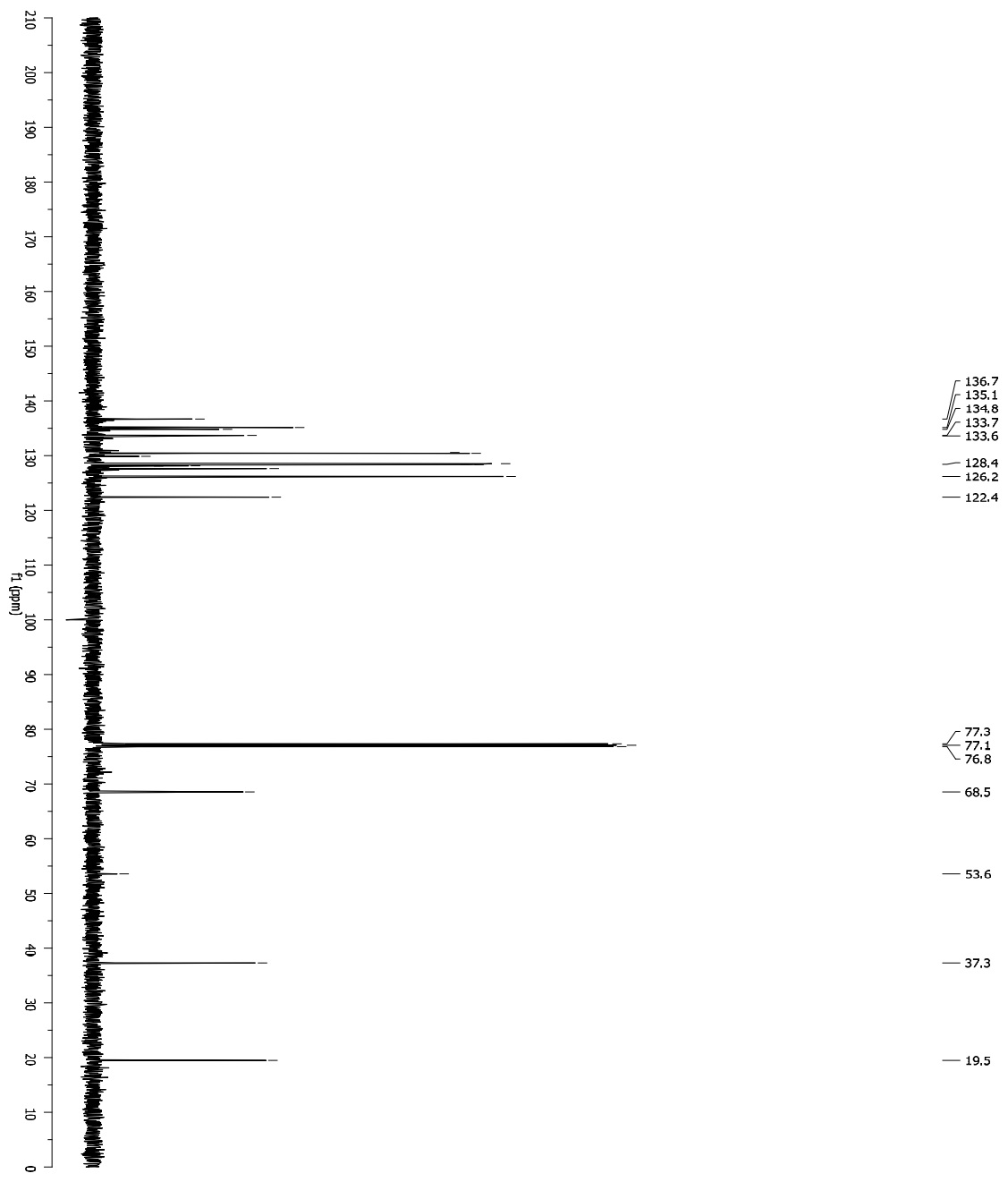
2d: (S)-1-bromo-4-(2-(phenylsulfonyl)pent-4-en-2-yl)benzene



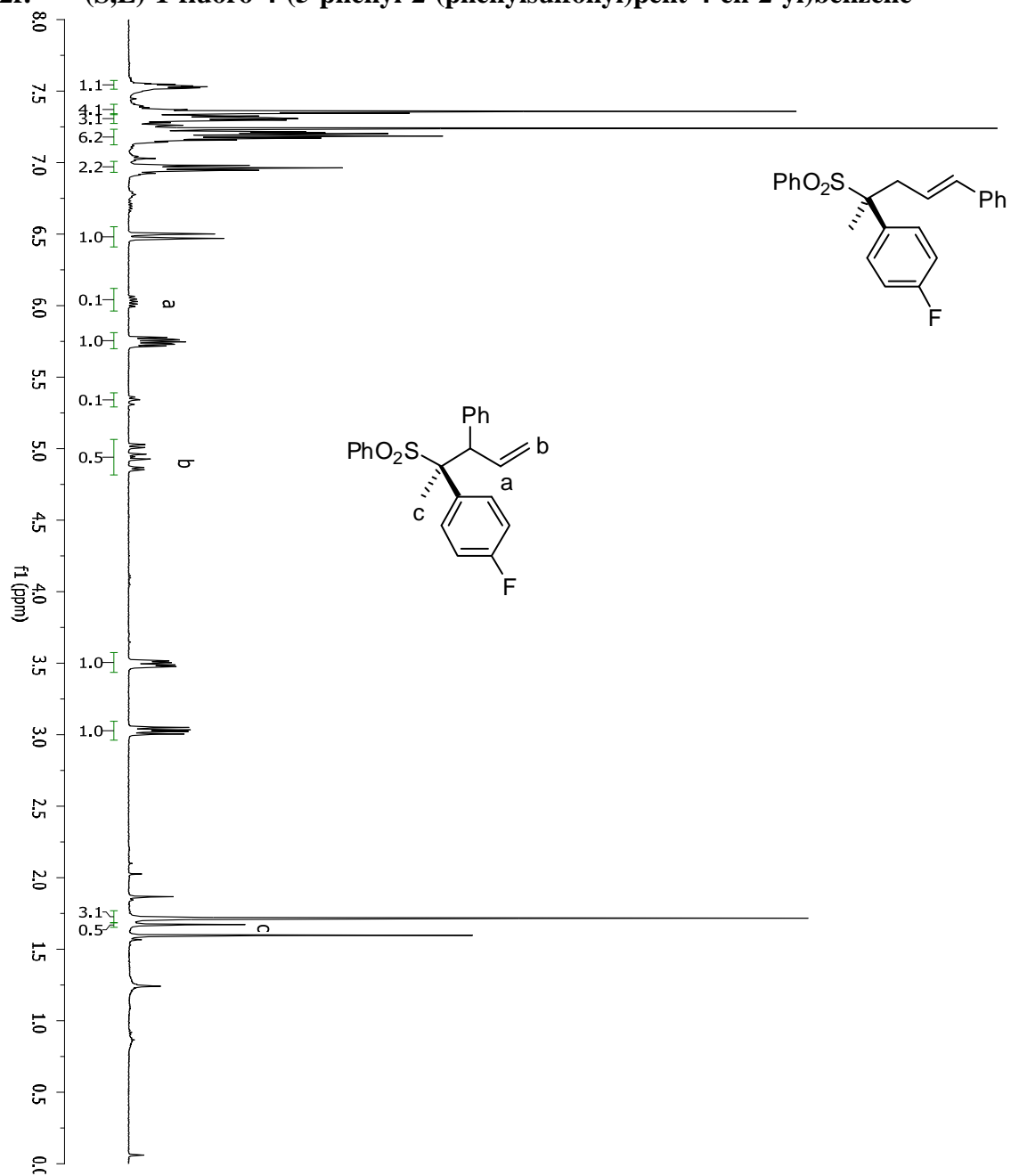


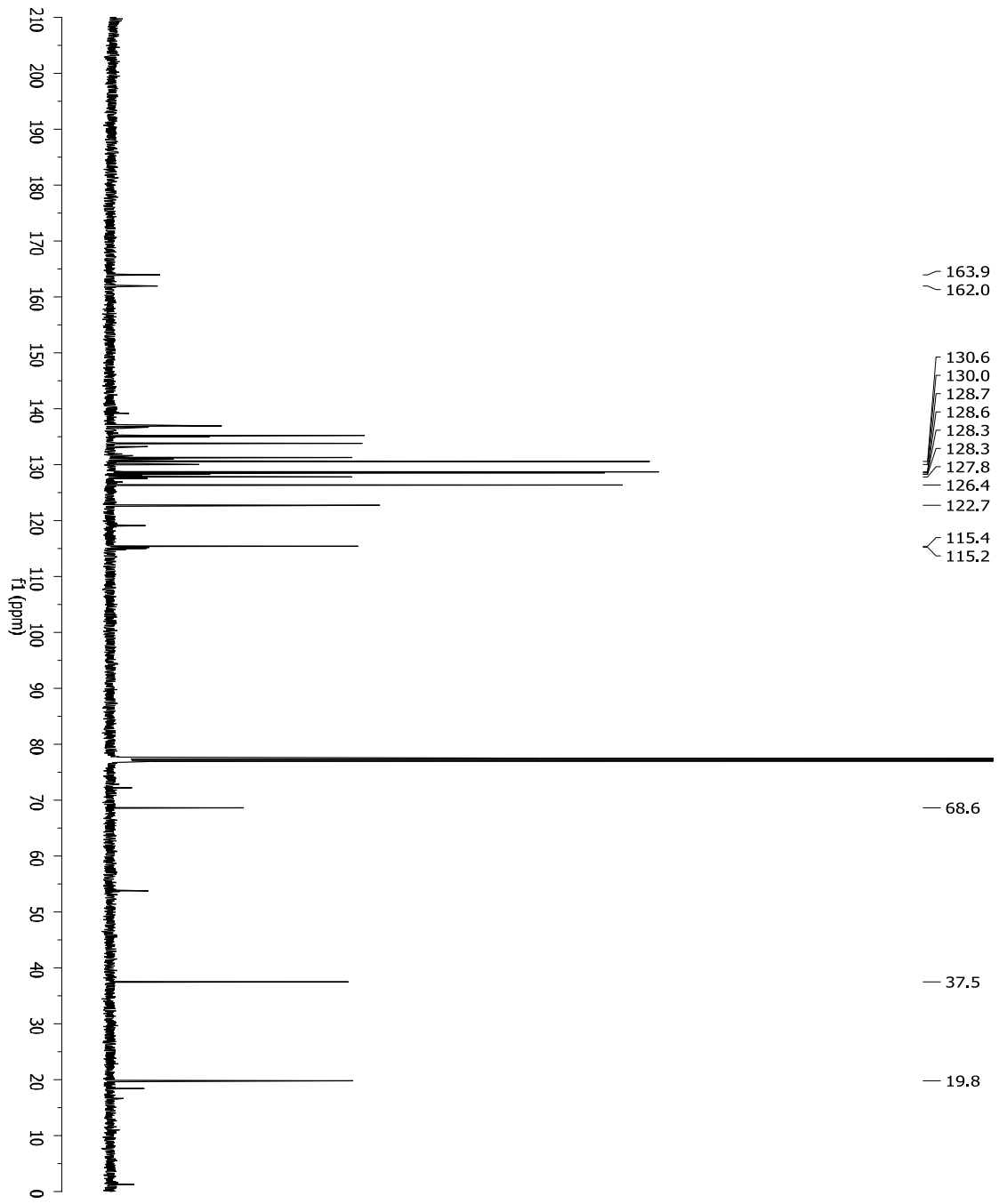
2e: (R,E)-1-chloro-4-(5-phenyl-2-(phenylsulfonyl)pent-4-en-2-yl)benzene



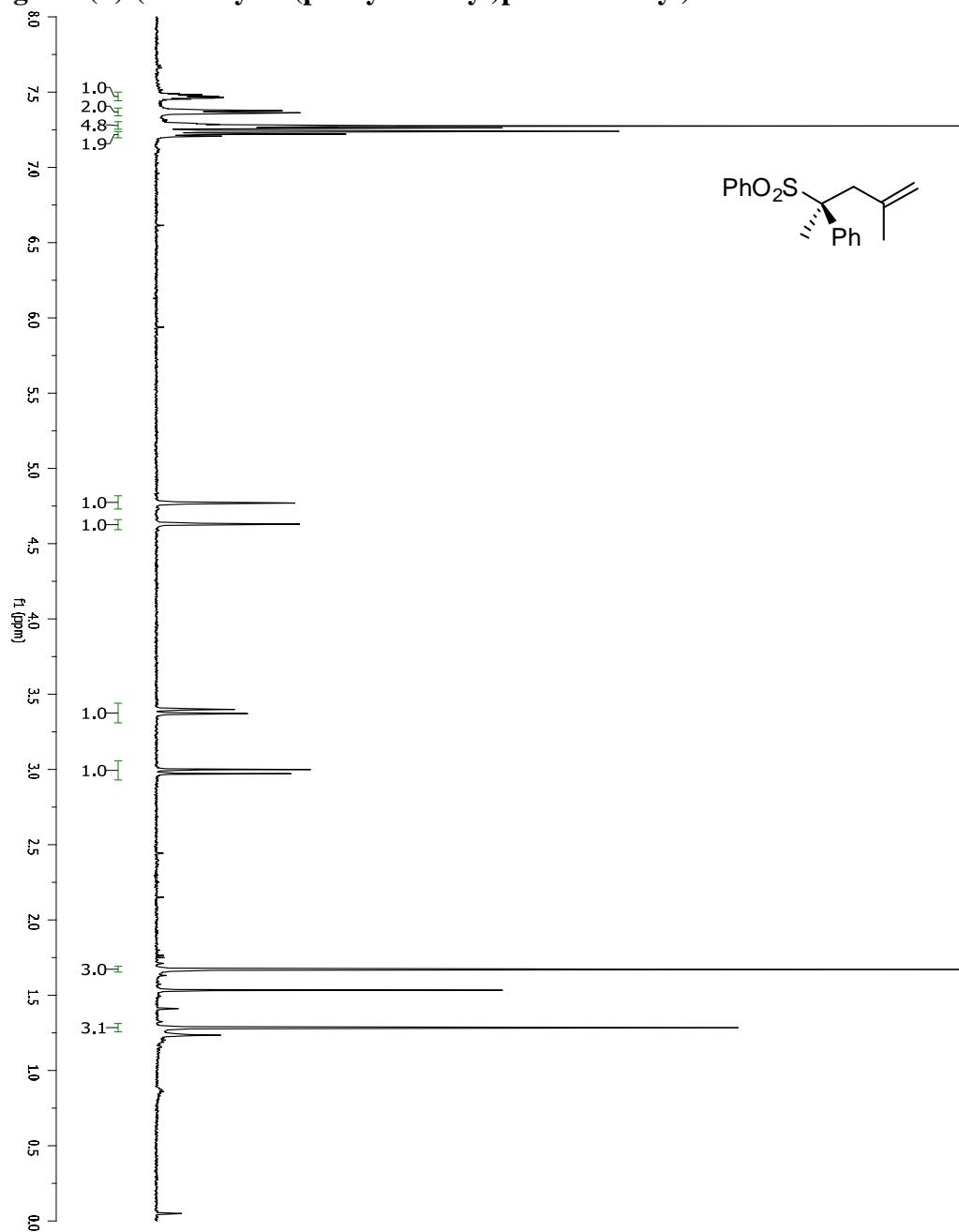


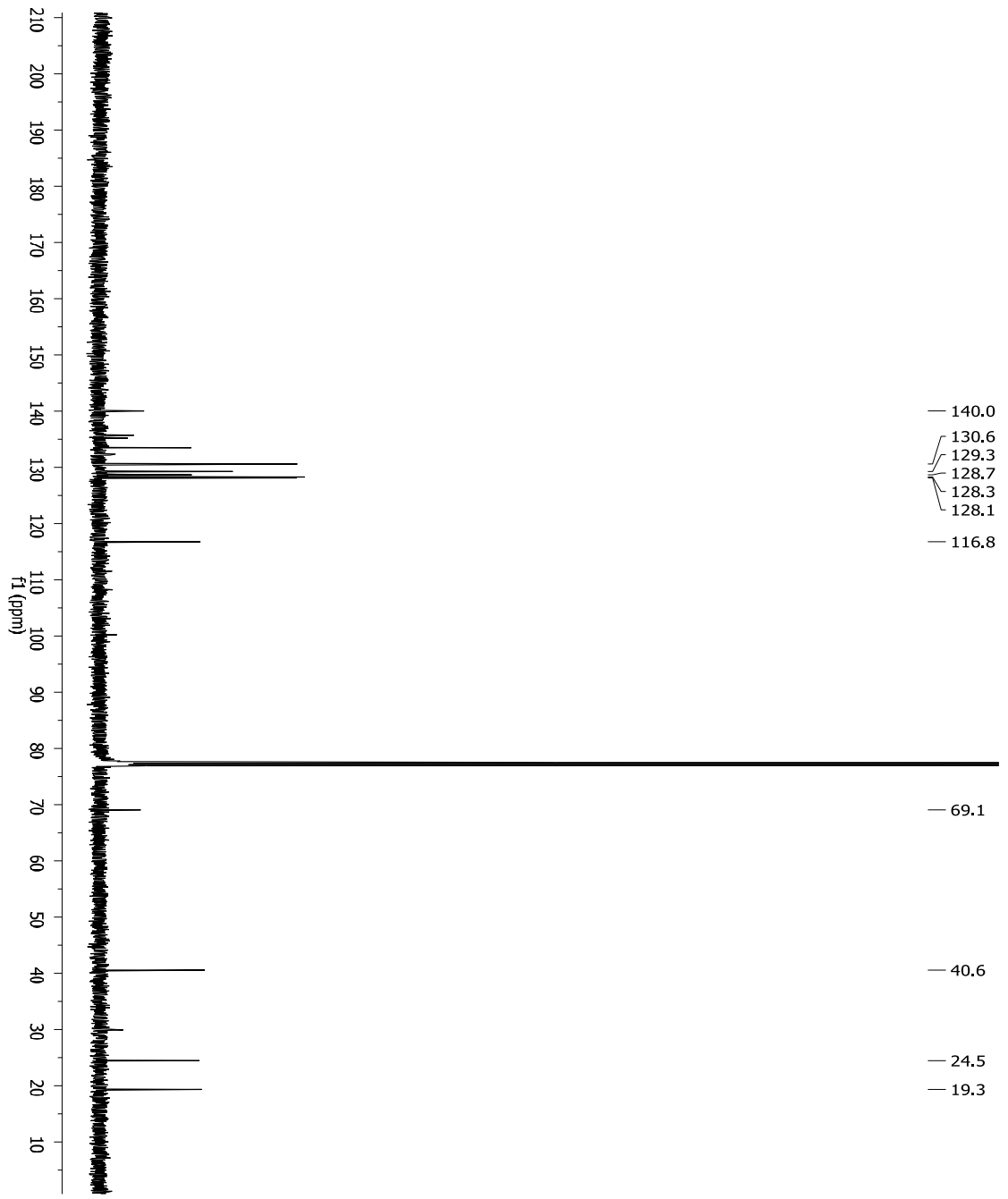
2f: (S,E)-1-fluoro-4-(5-phenyl-2-(phenylsulfonyl)pent-4-en-2-yl)benzene



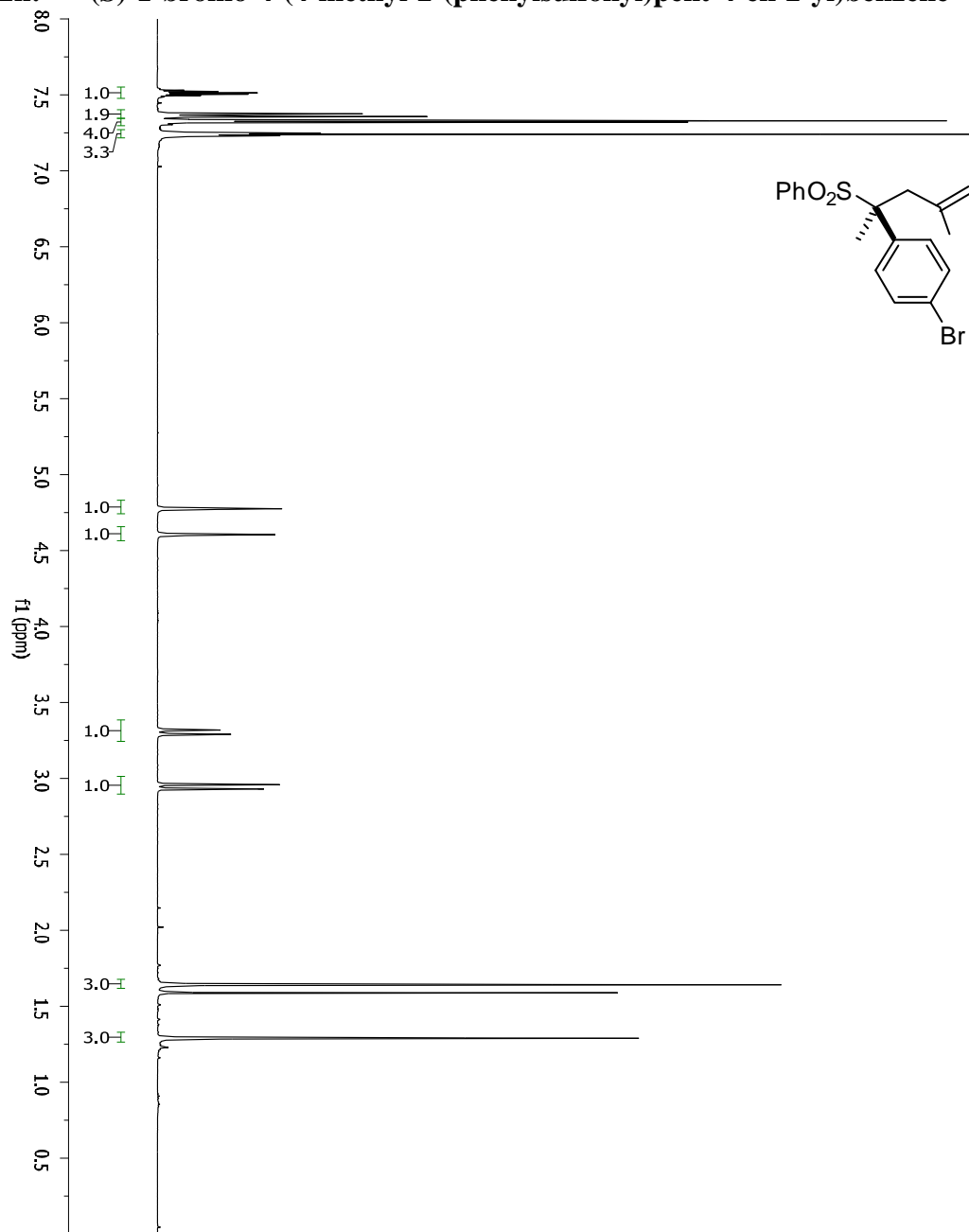


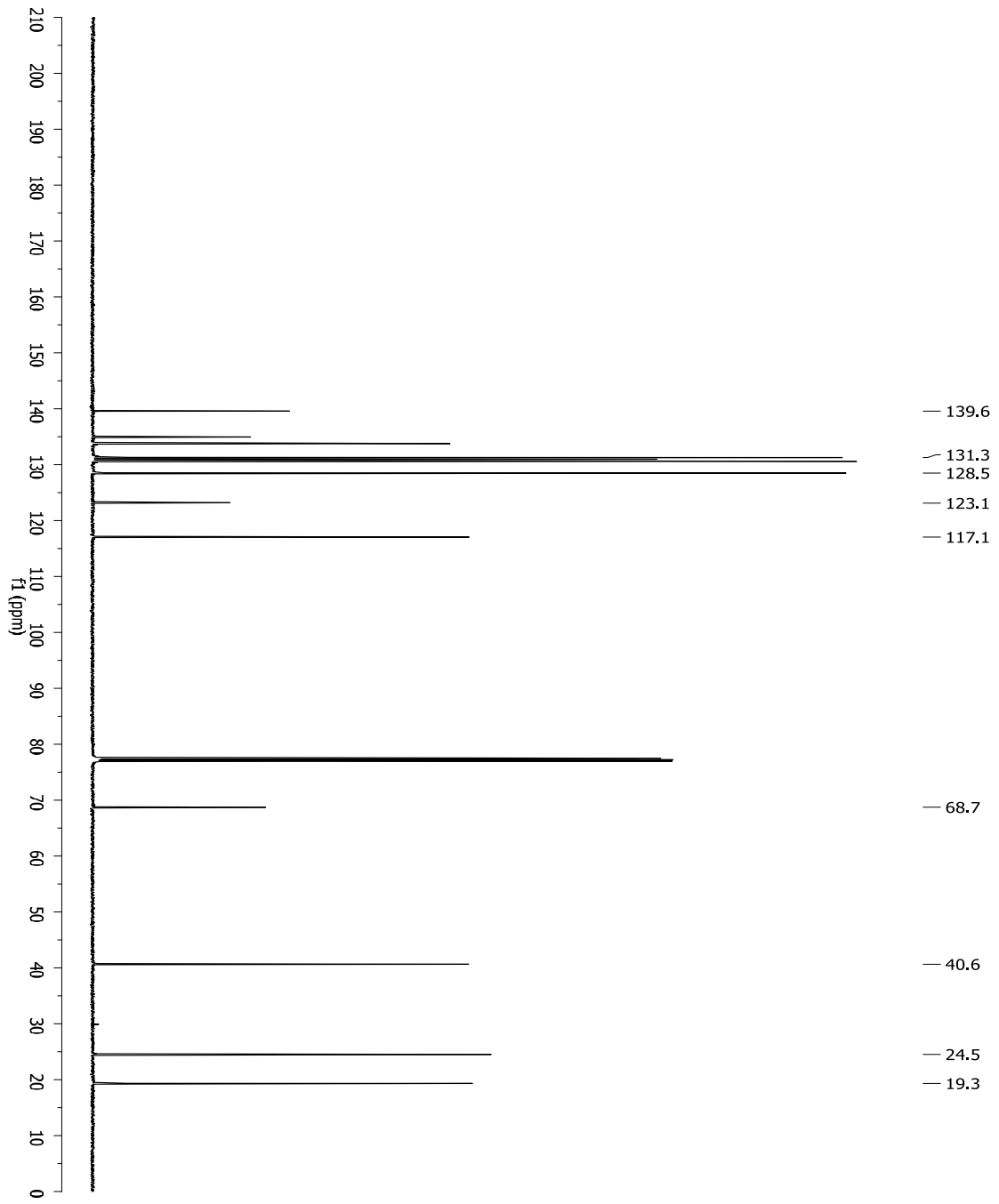
2g: (S)-4-methyl-2-(phenylsulfonyl)pent-4-en-2-ylbenzene



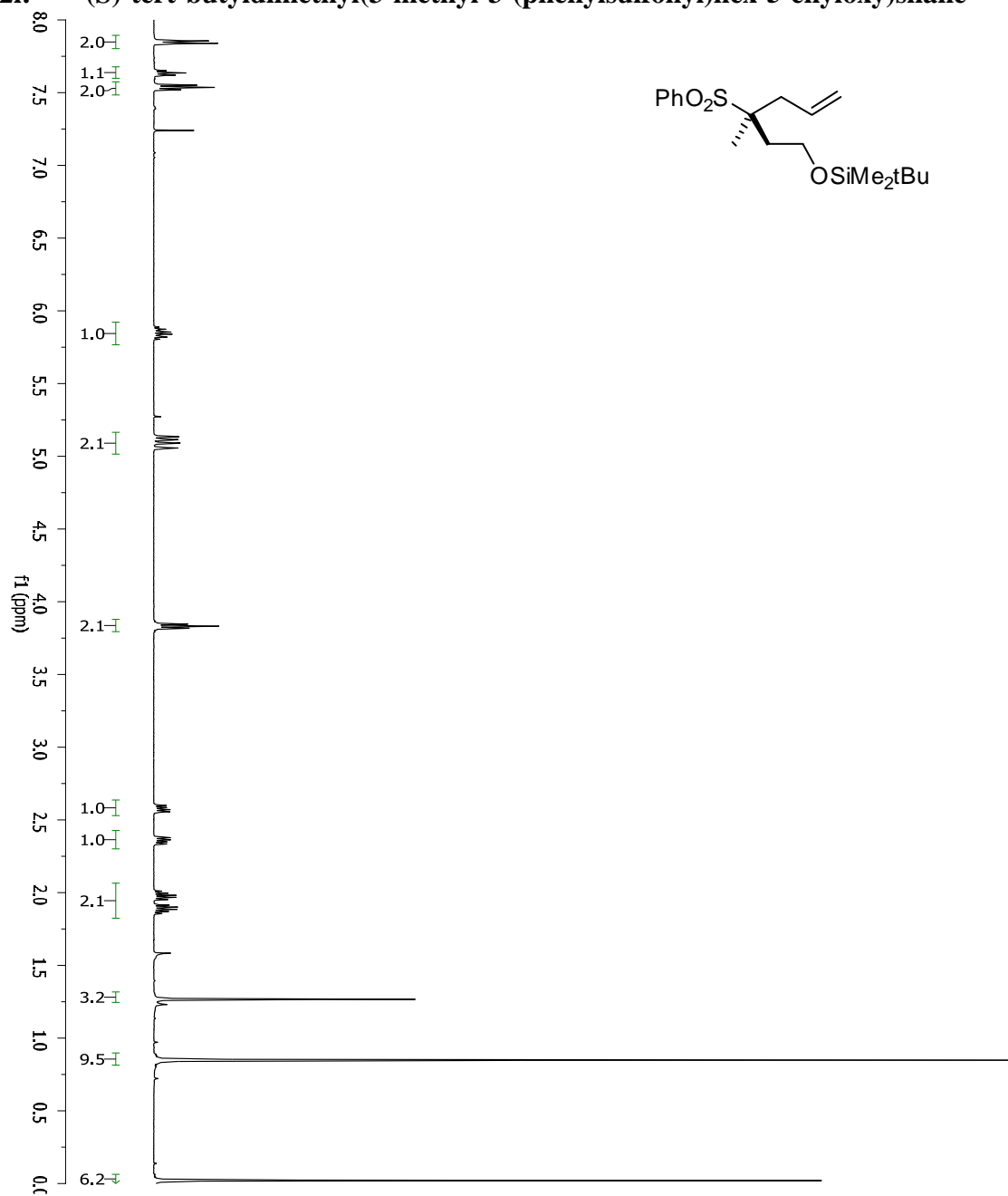


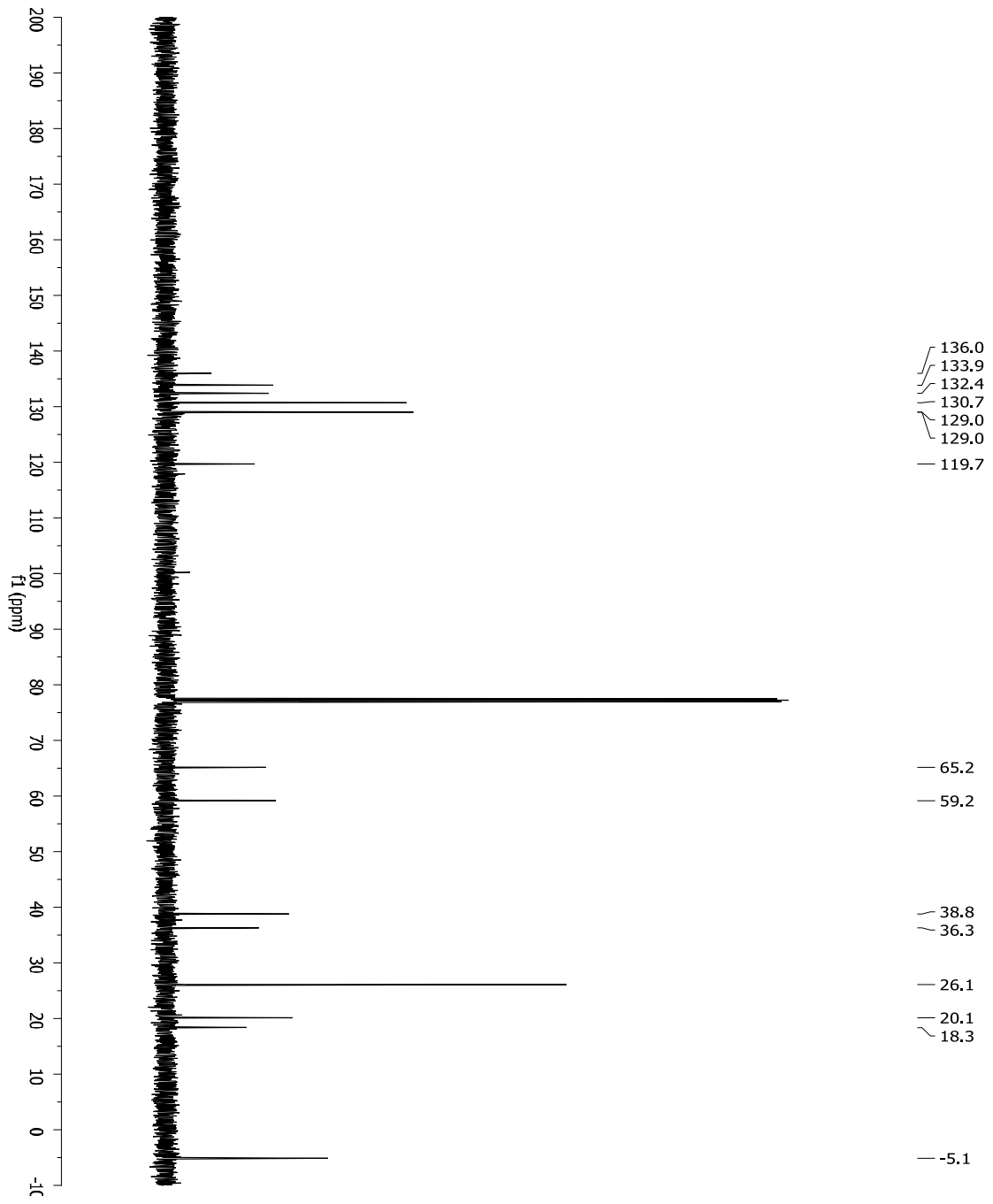
2h: (S)-1-bromo-4-(4-methyl-2-(phenylsulfonyl)pent-4-en-2-yl)benzene



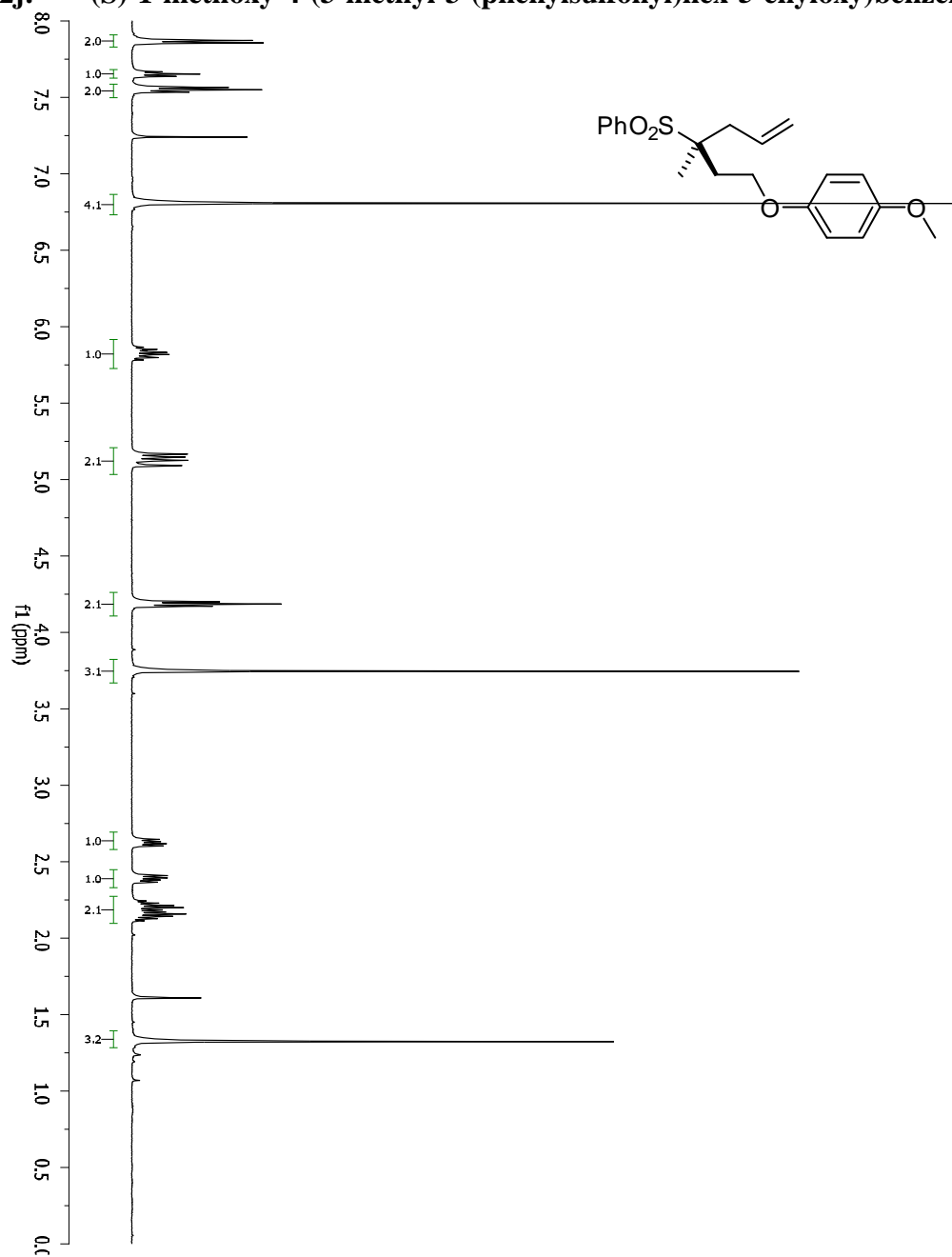


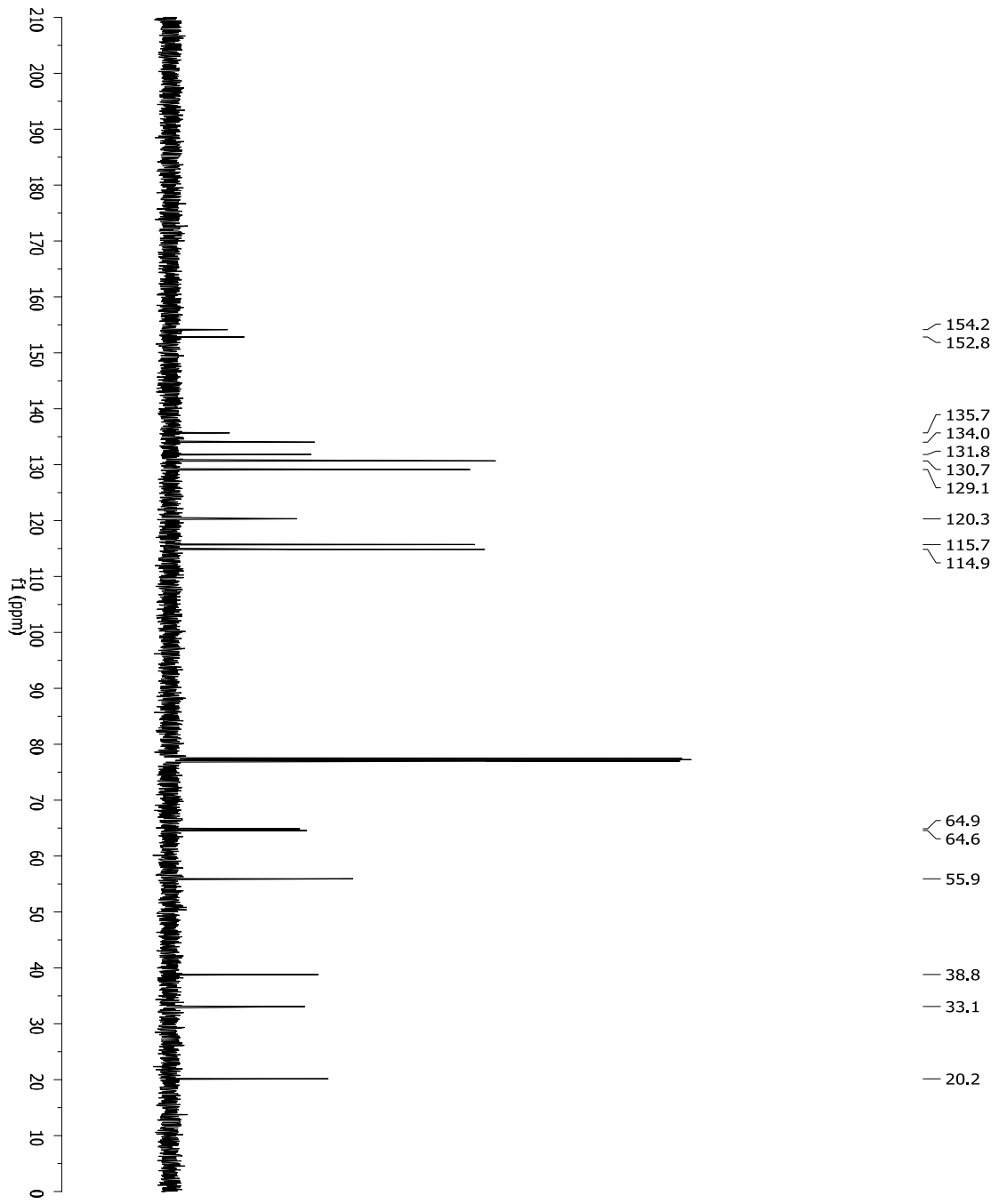
2i: (S)-tert-butyl dimethyl(3-methyl-3-(phenylsulfonyl)hex-5-enyloxy)silane



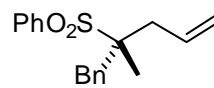
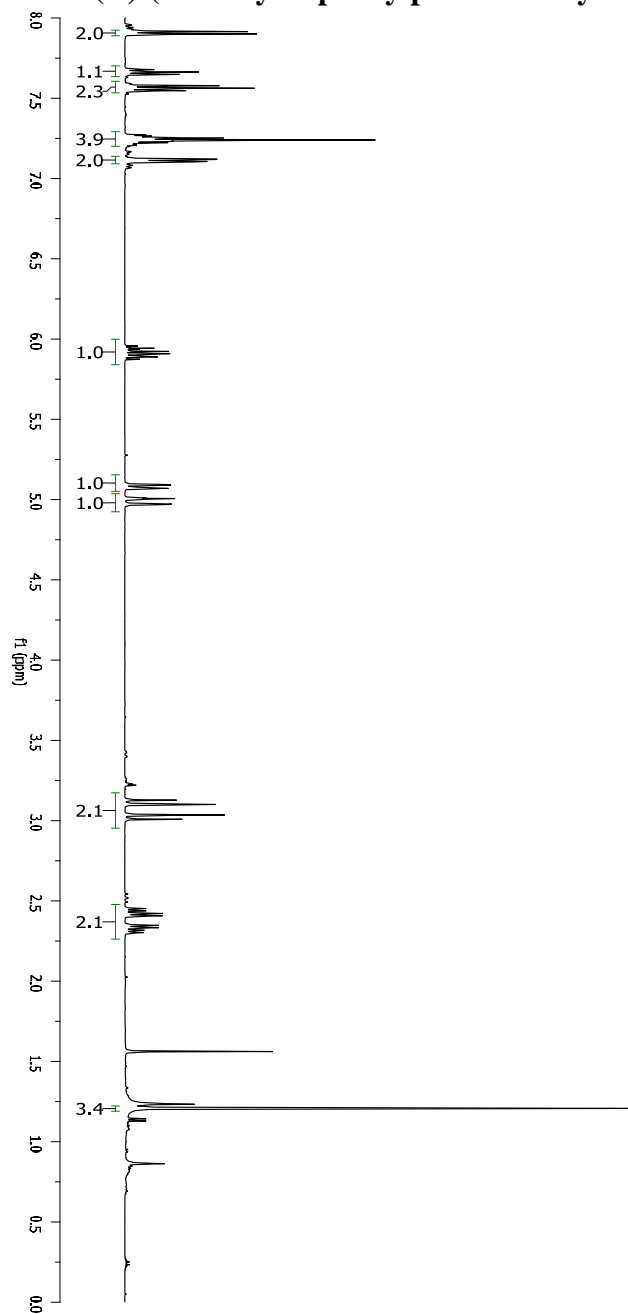


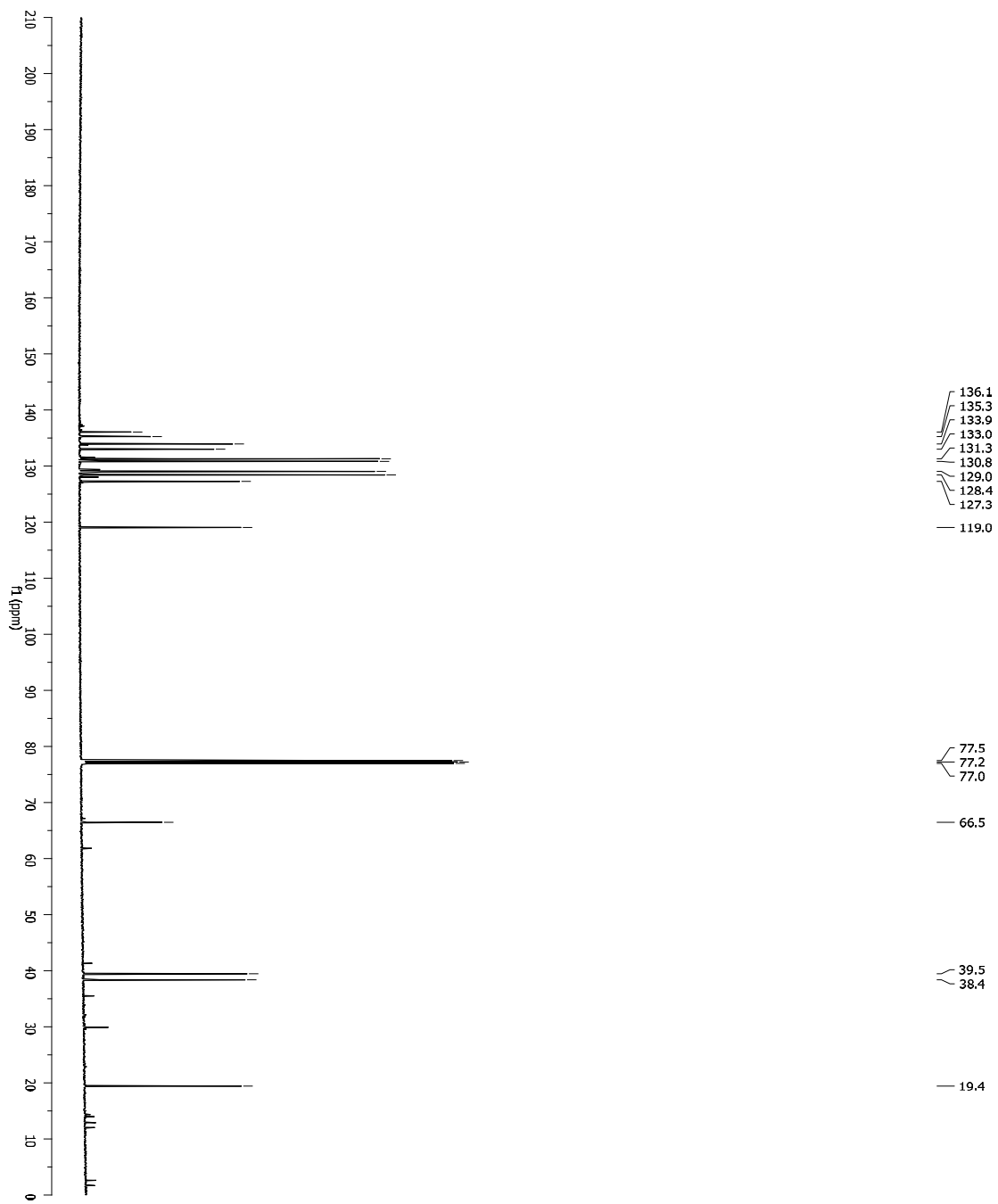
2j: (S)-1-methoxy-4-(3-methyl-3-(phenylsulfonyl)hex-5-enyloxy)benzene



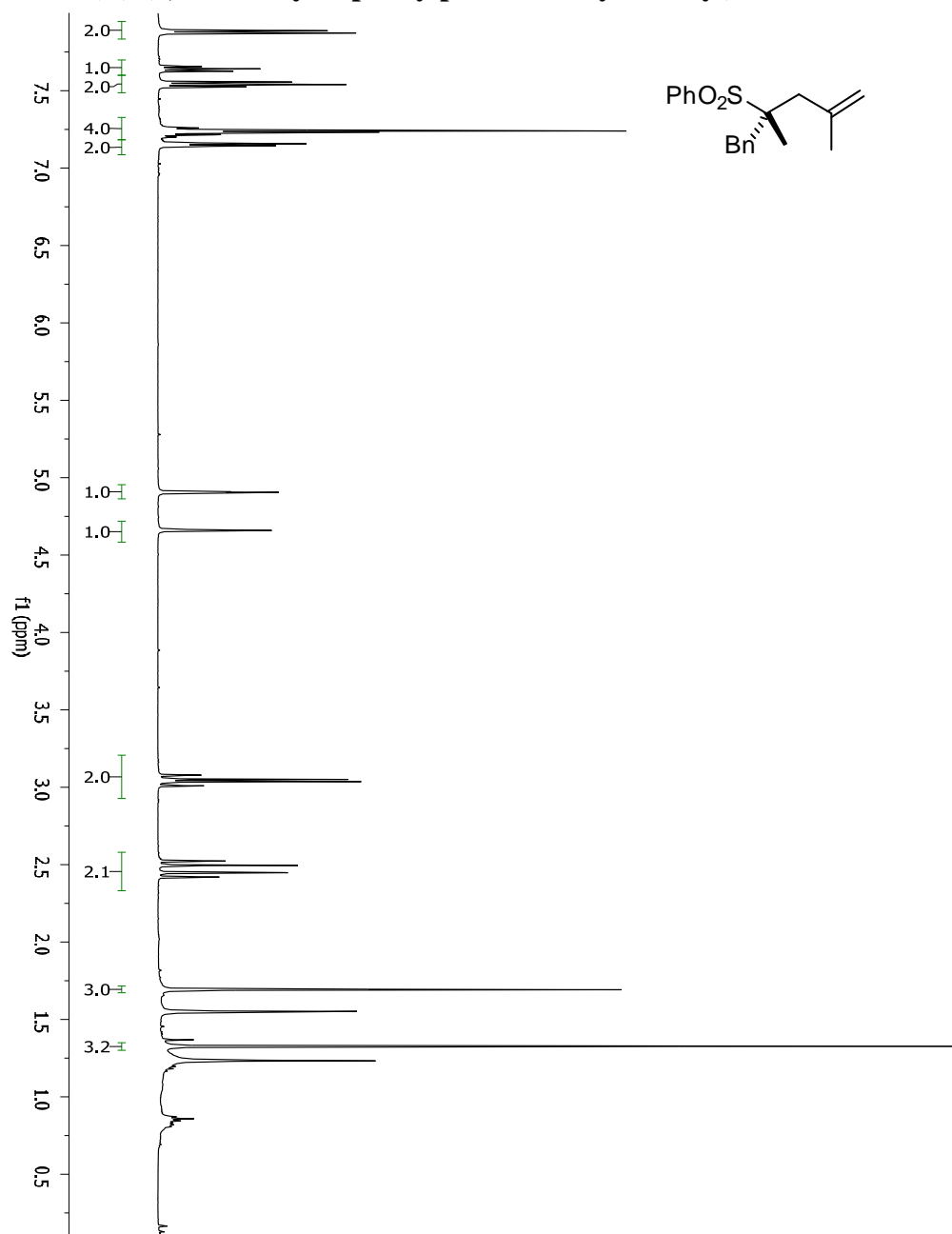


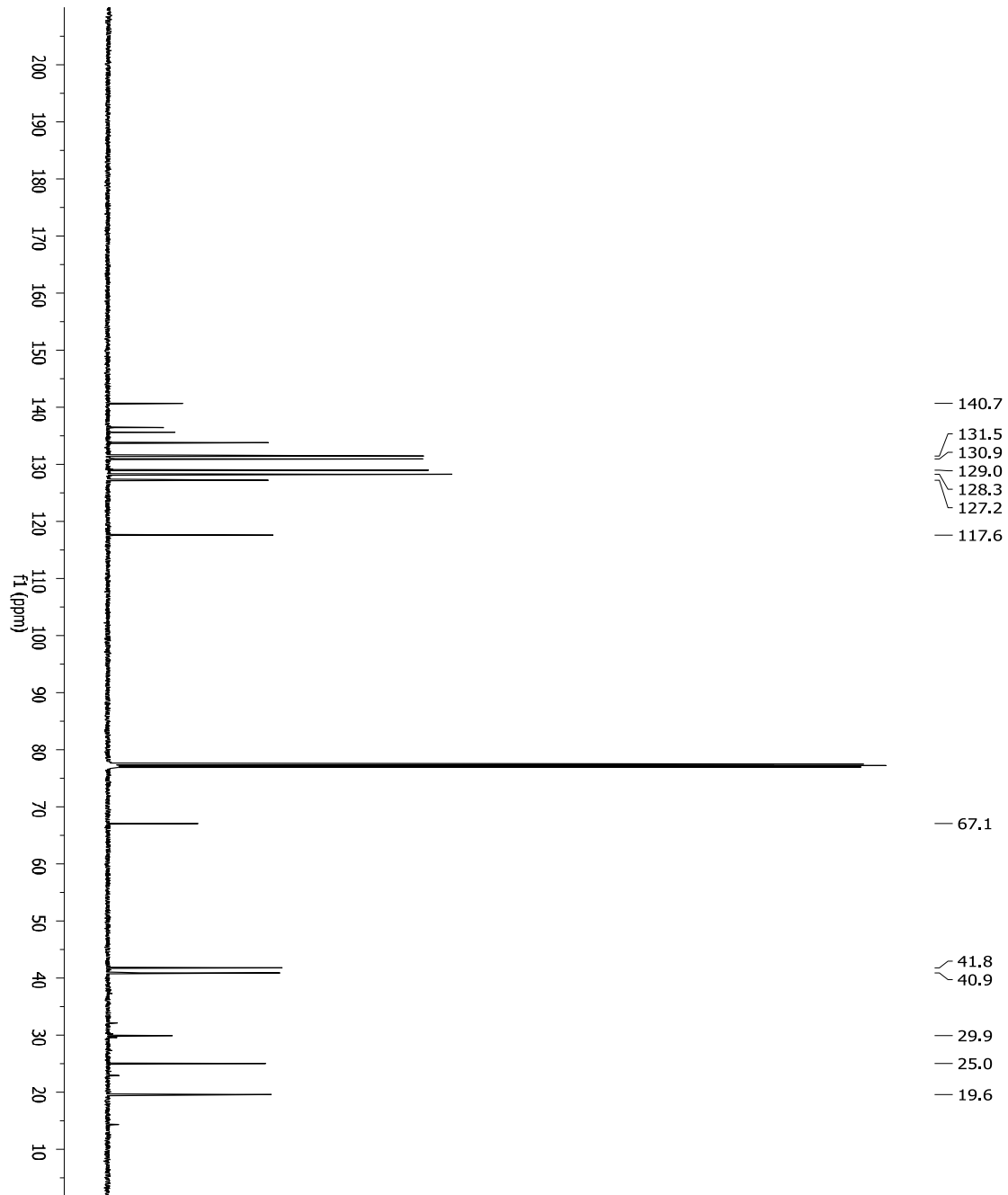
2l: (R)-(2-methyl-1-phenylpent-4-en-2-ylsulfonyl)benzene



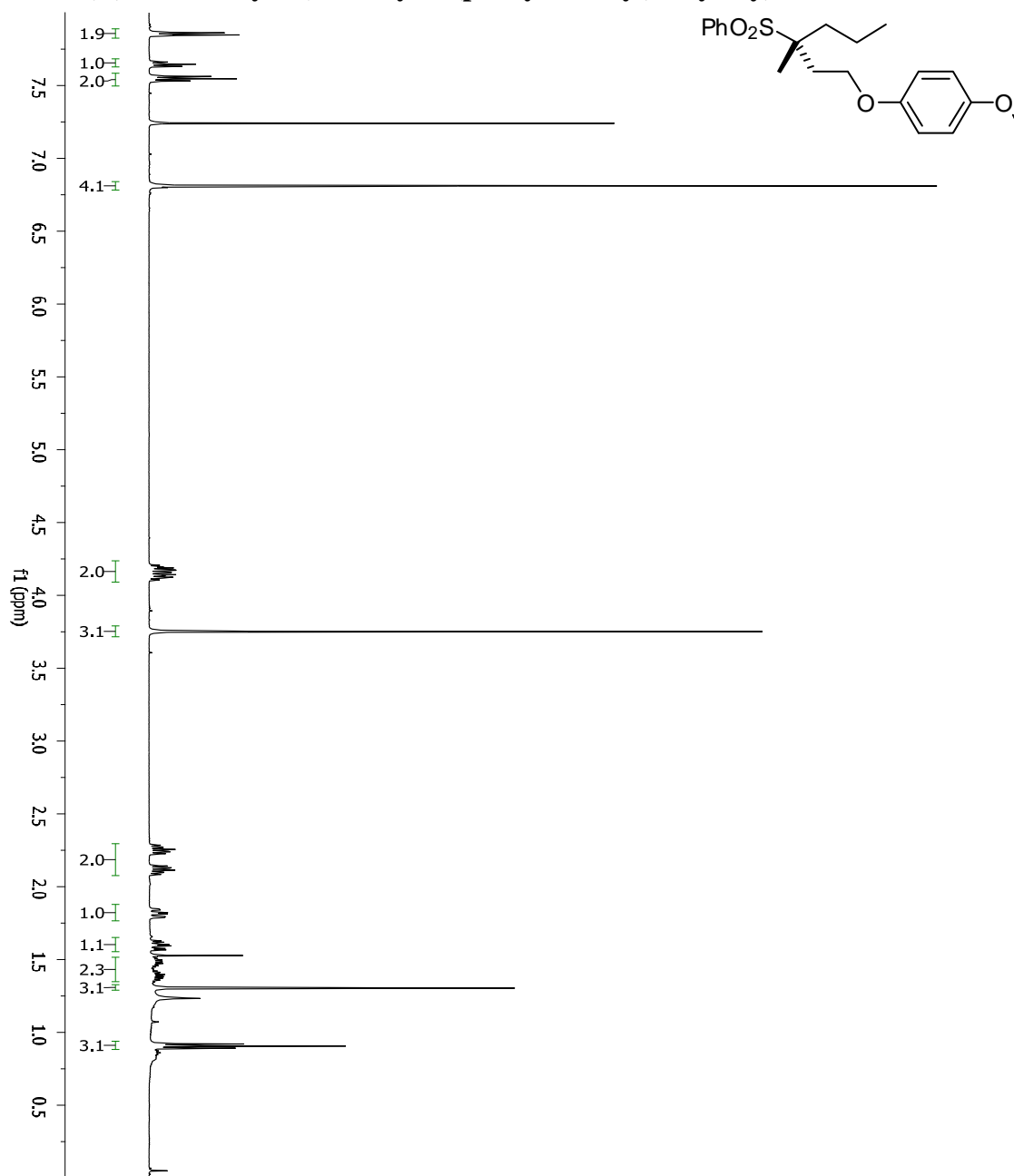


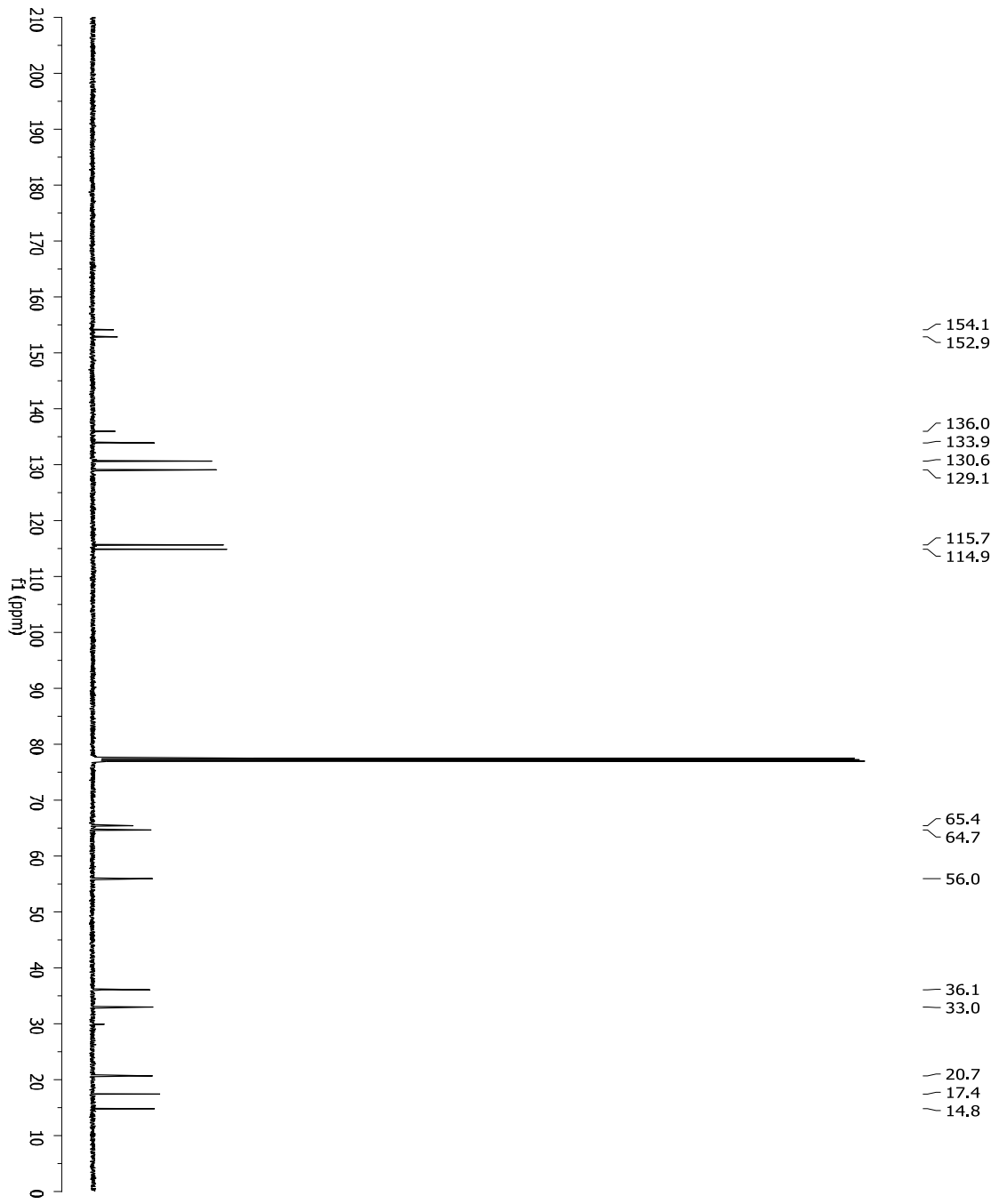
2m: (R)-(2,4-dimethyl-1-phenylpent-4-en-2-ylsulfonyl)benzene





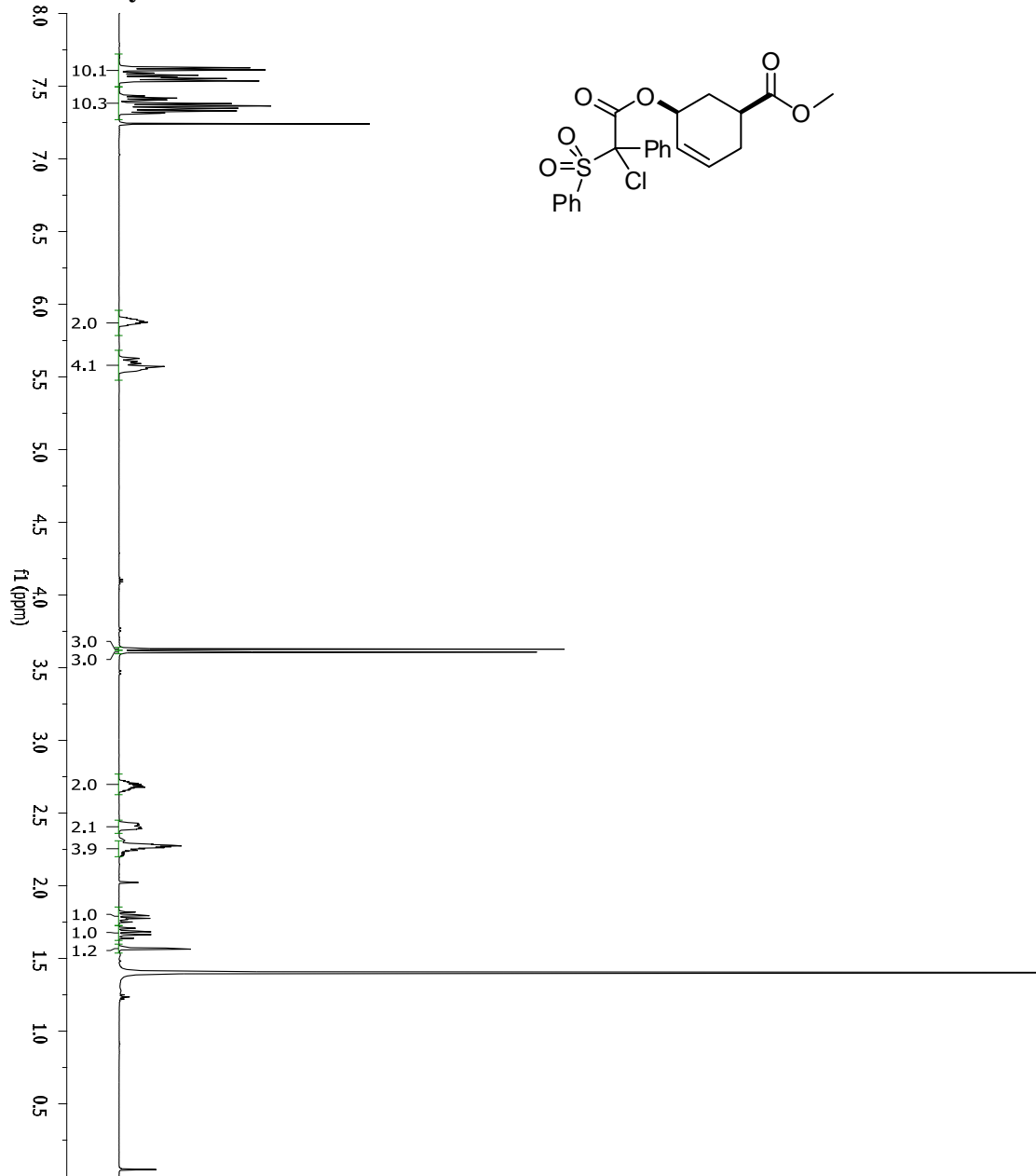
4: (R)-1-methoxy-4-(3-methyl-3-(phenylsulfonyl)hexyloxy)benzene

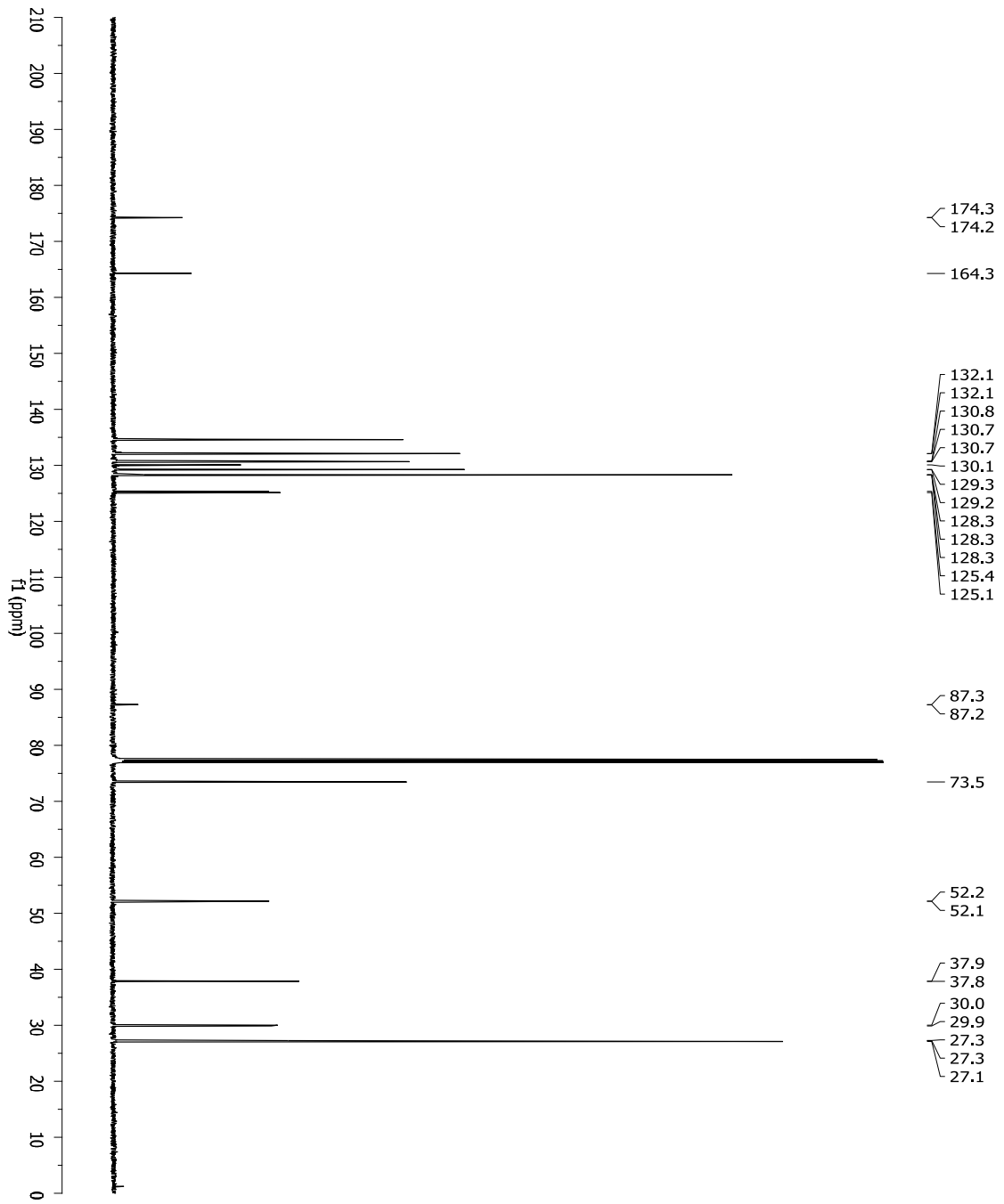




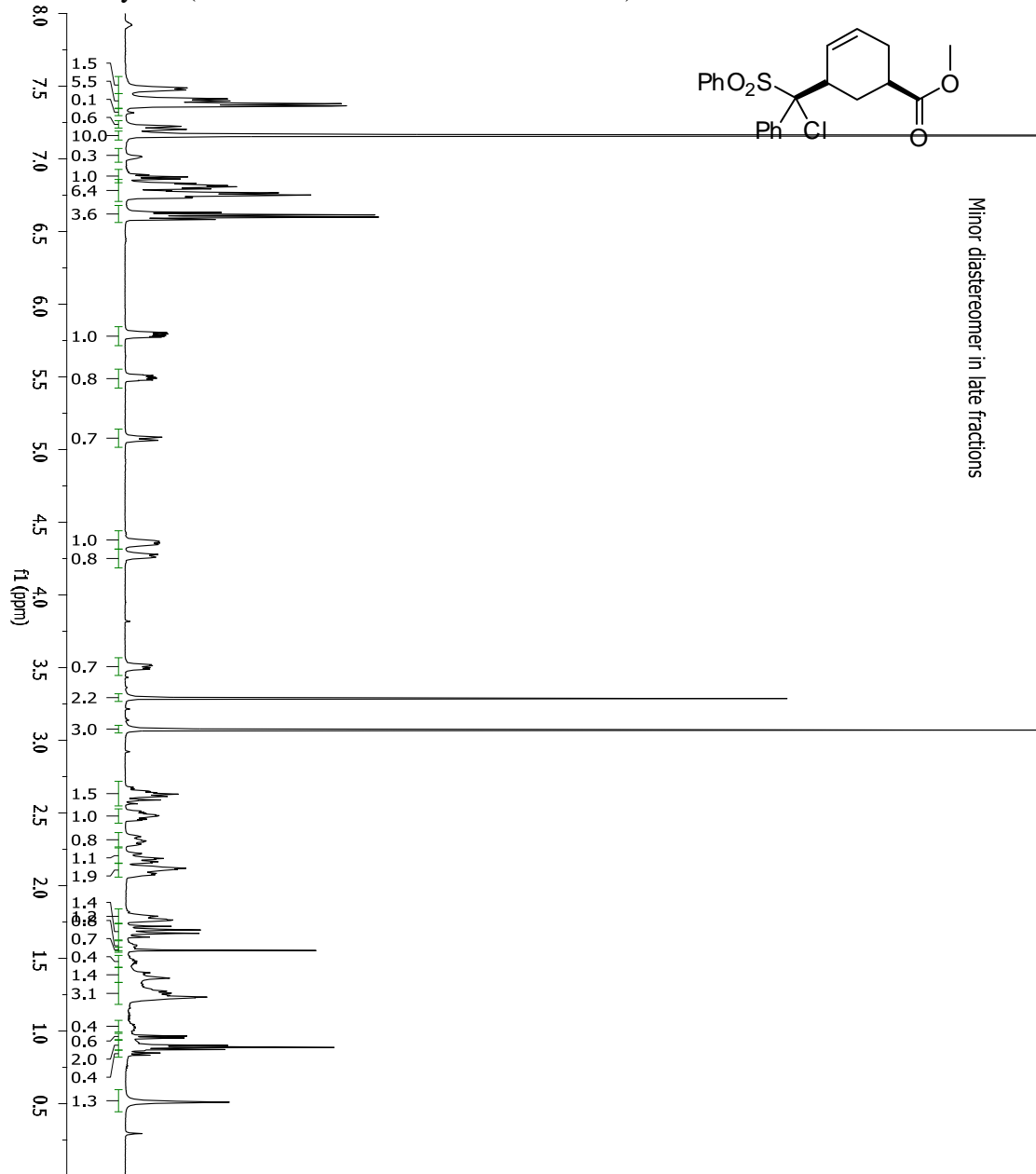
1n: Syn-methyl enecarboxylate

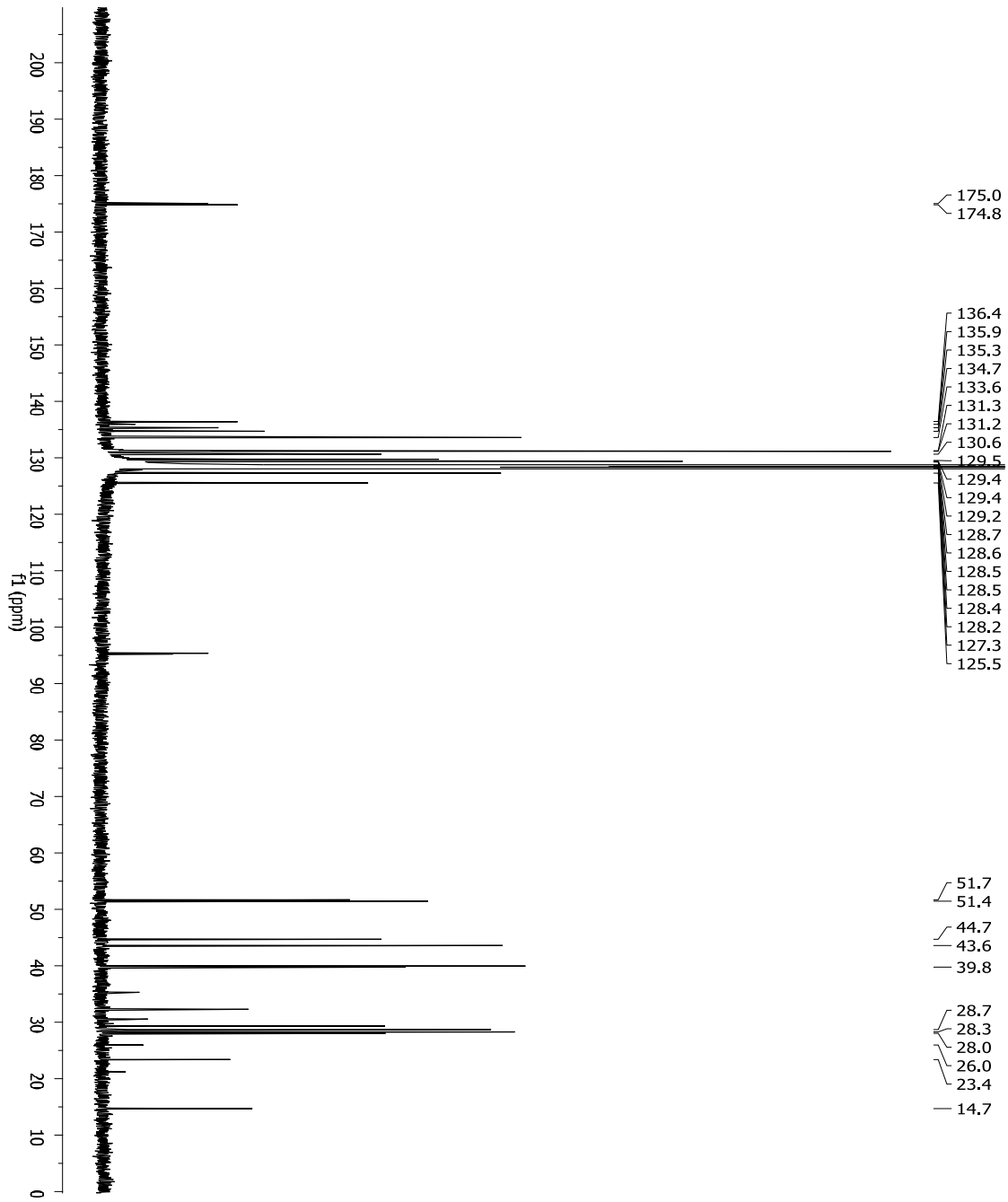
5-(2-chloro-2-phenyl-2-(phenylsulfonyl)acetoxy)cyclohex-3-

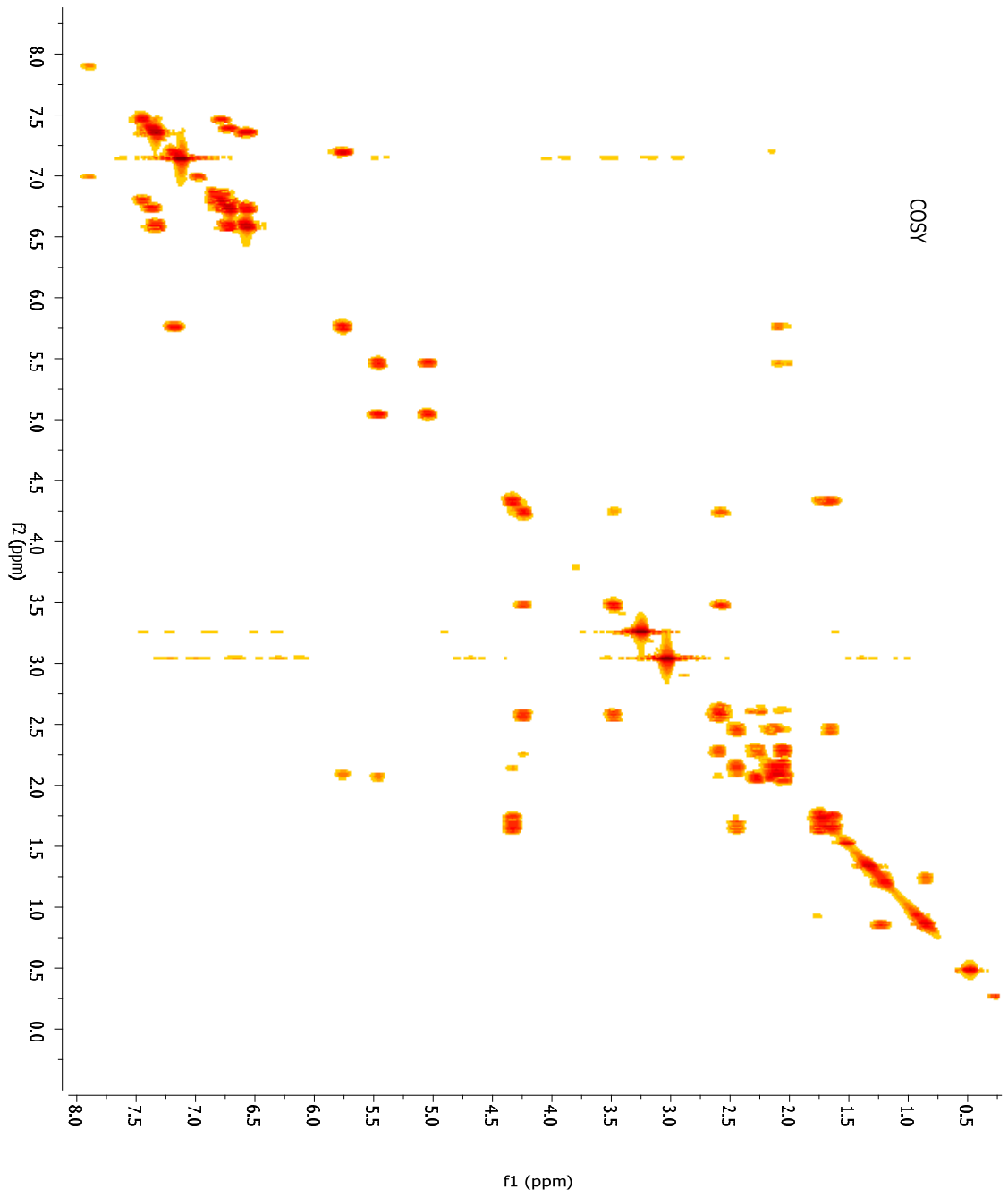




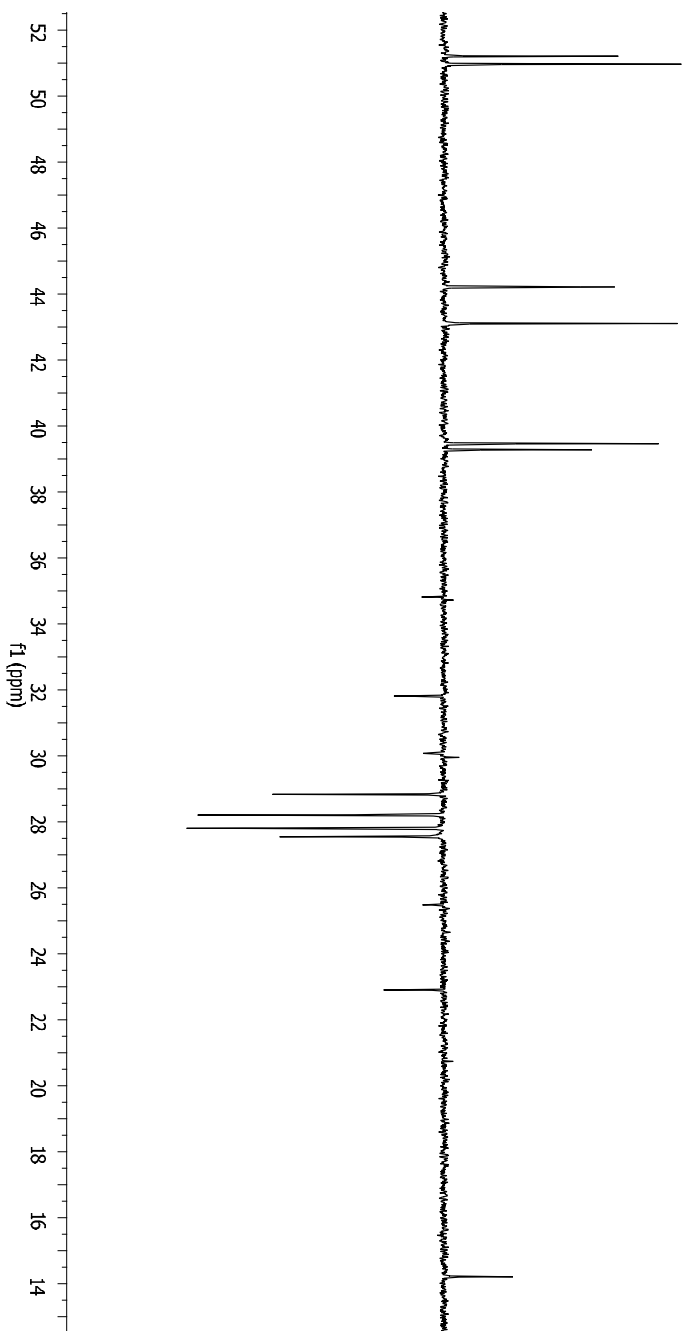
2n' Syn-methyl 5-(chloro (phenyl) (phenylsulfonyl) methyl)cyclohex-3-enecarboxylate (*Minor* diastereomer in late fractions)



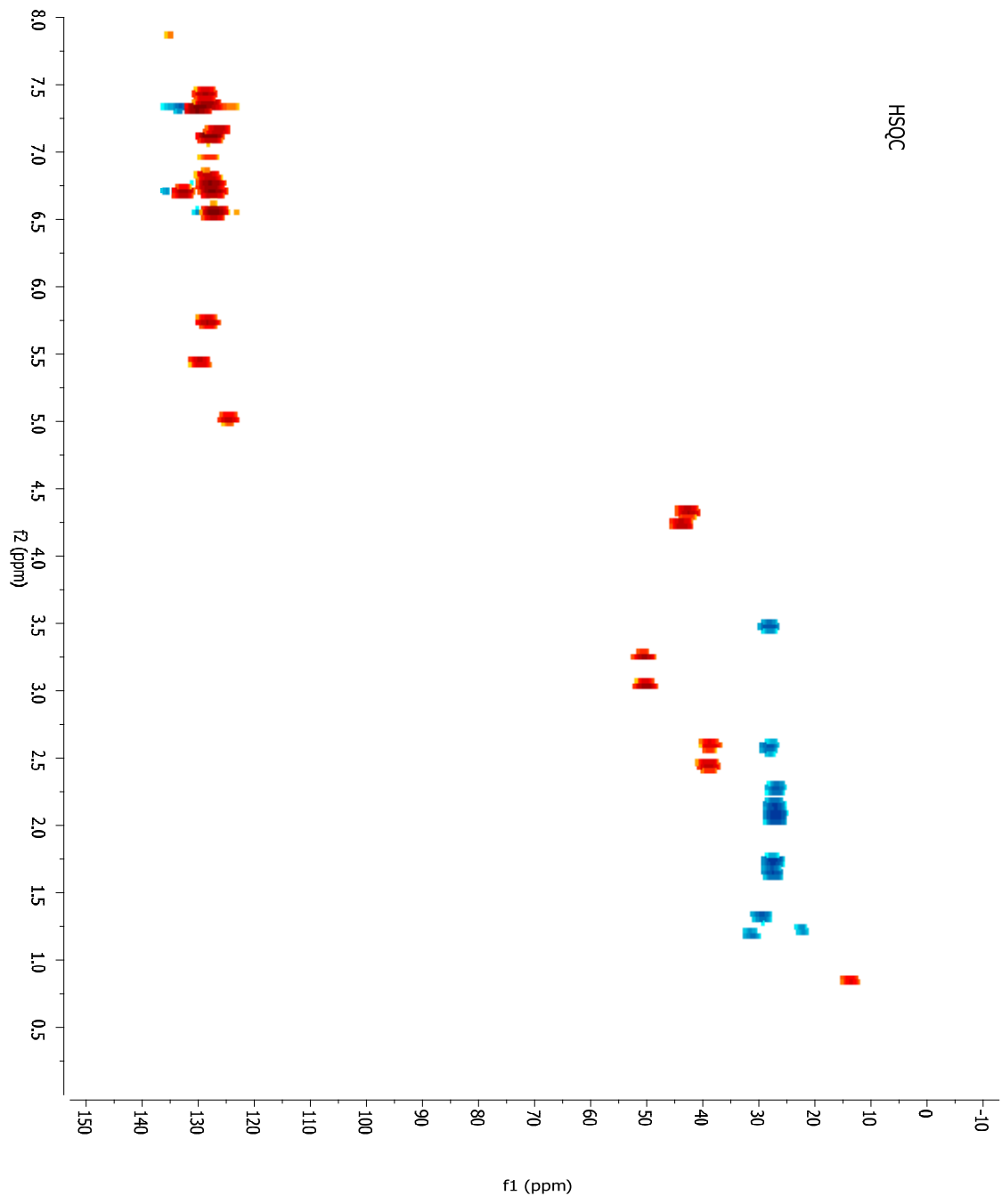




DEPT



HSQC



2n' Syn-methyl 5-(chloro (phenyl) (phenylsulfonyl) methyl)cyclohex-3-enecarboxylate (*Major diastereomer in late fractions*)

