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2 **Dramatic influence of ionic liquid and ultrasound irradiation on the**
3 **electrophilic sulfinylation of aromatic compounds by sulfinic esters**

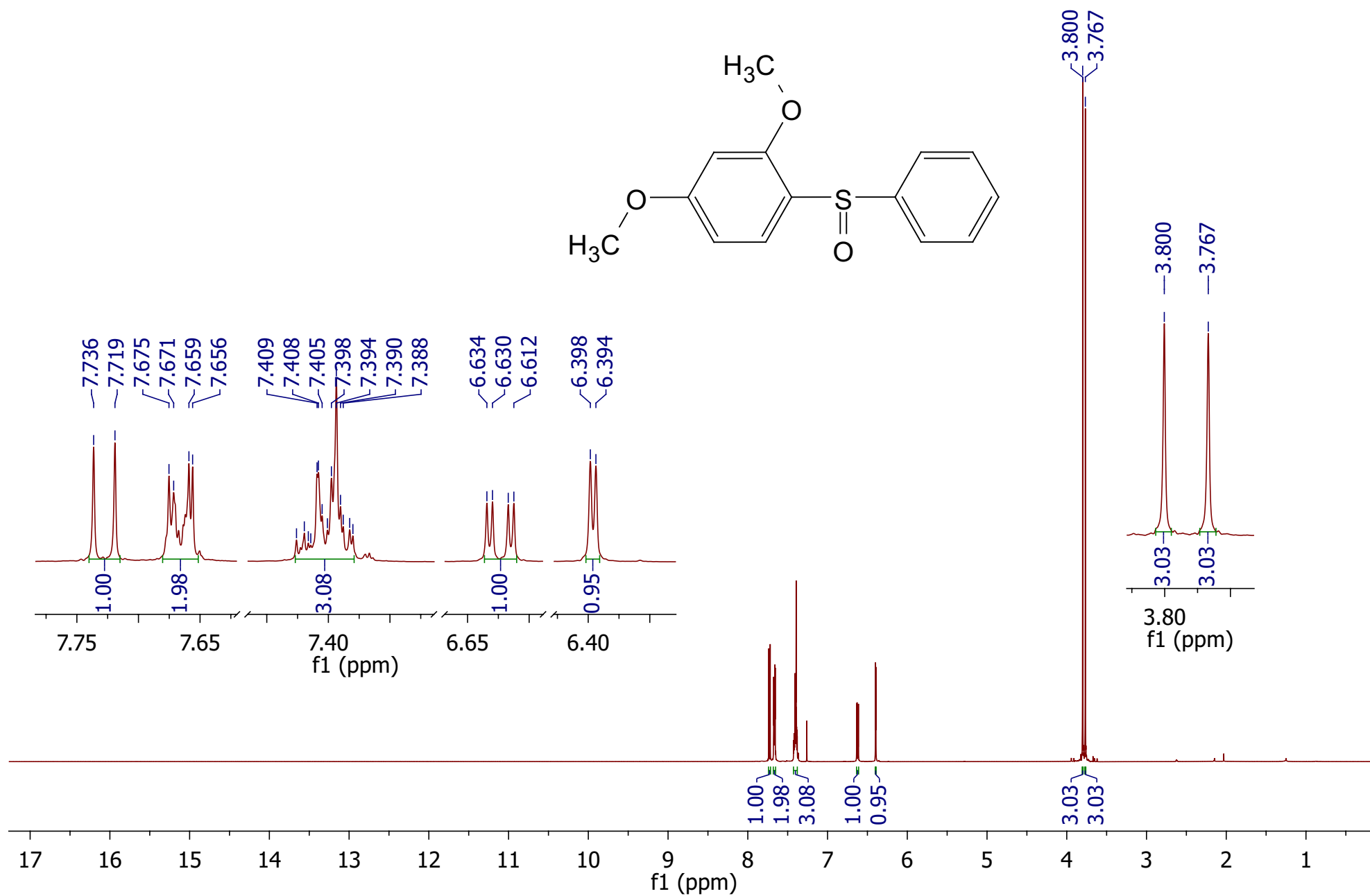
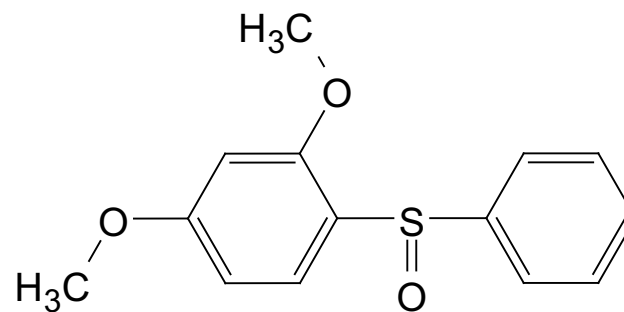
4 **Ngoc-Lan Thi Nguyen¹, Hong-Thom Vo¹, Fritz Duus² and Thi Xuan Thi Luu^{1,*}**

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6 Chi Minh City, Vietnam; lanbmt07@gmail.com (N.-L.T.N.), hongthom2012@gmail.com (H.-T.V.)

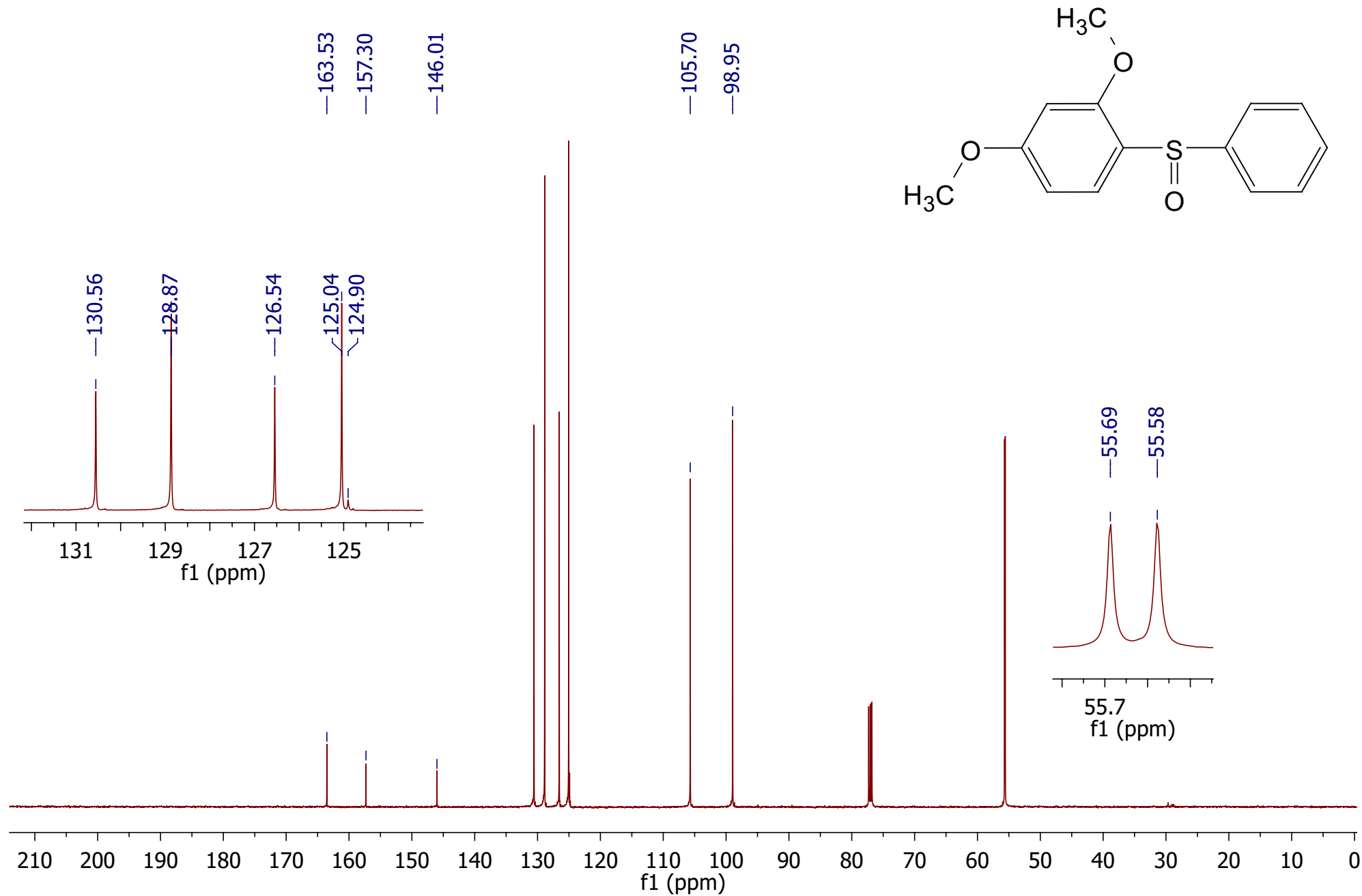
7 ² Department of Science and Environment, Roskilde University, PO Box 260, DK-4000 Roskilde, Denmark;
8 fd@ruc.dk (F.D.)

9 * Correspondence: ltxthi@hcmus.edu.vn; Tel.: +84-0208-3835-3193
10

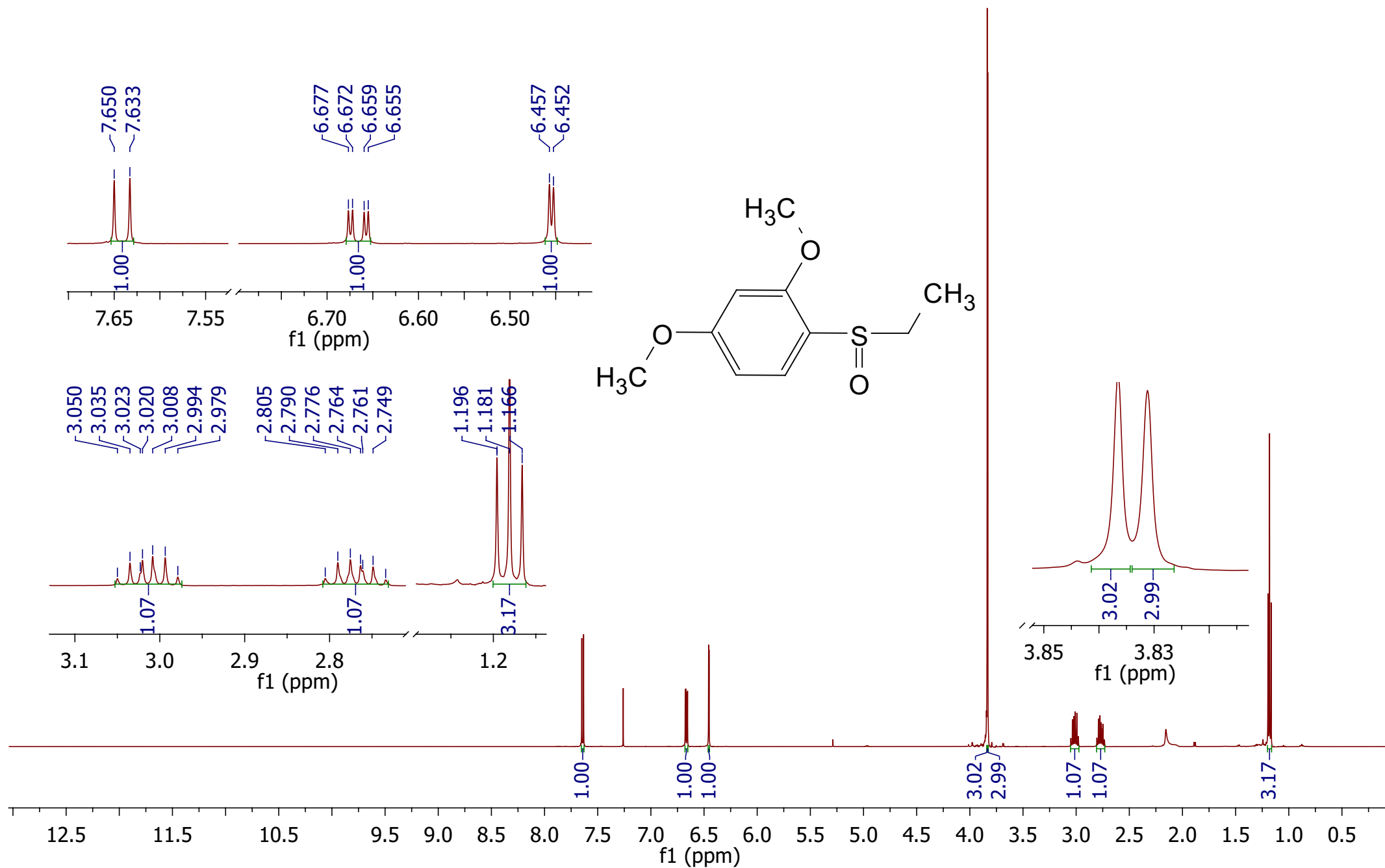
2,4-dimethoxy-1-(phenylsulfinyl)benzene (3a)



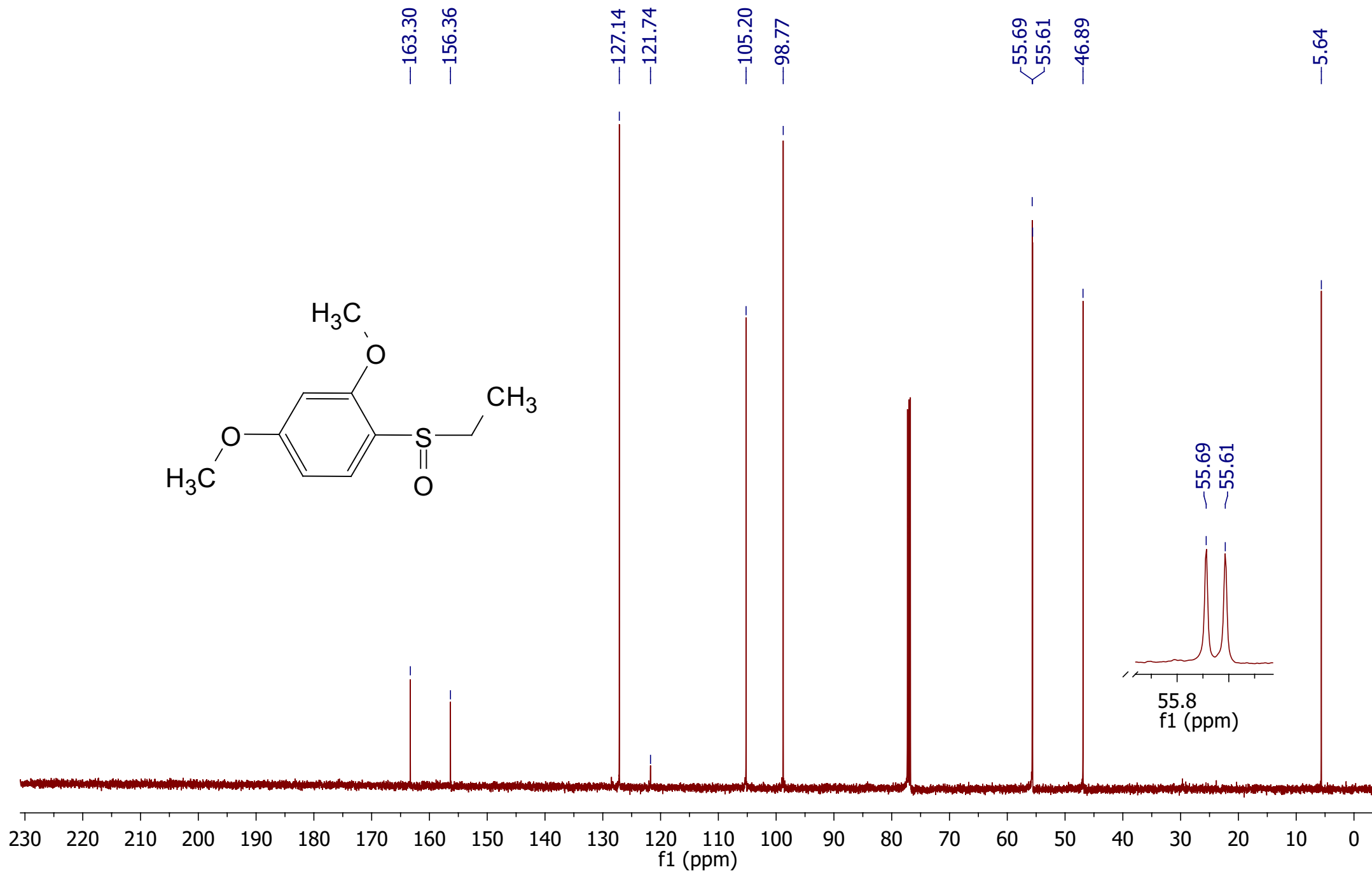
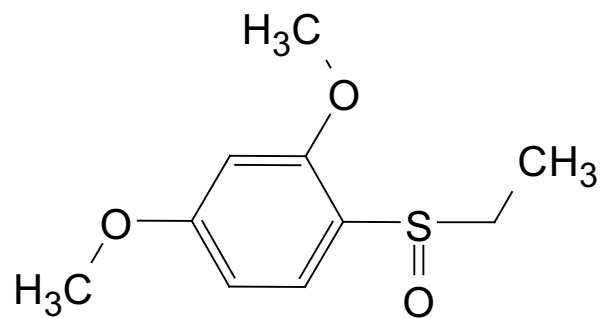
2,4-dimethoxy-1-(phenylsulfinyl)benzene (3a)



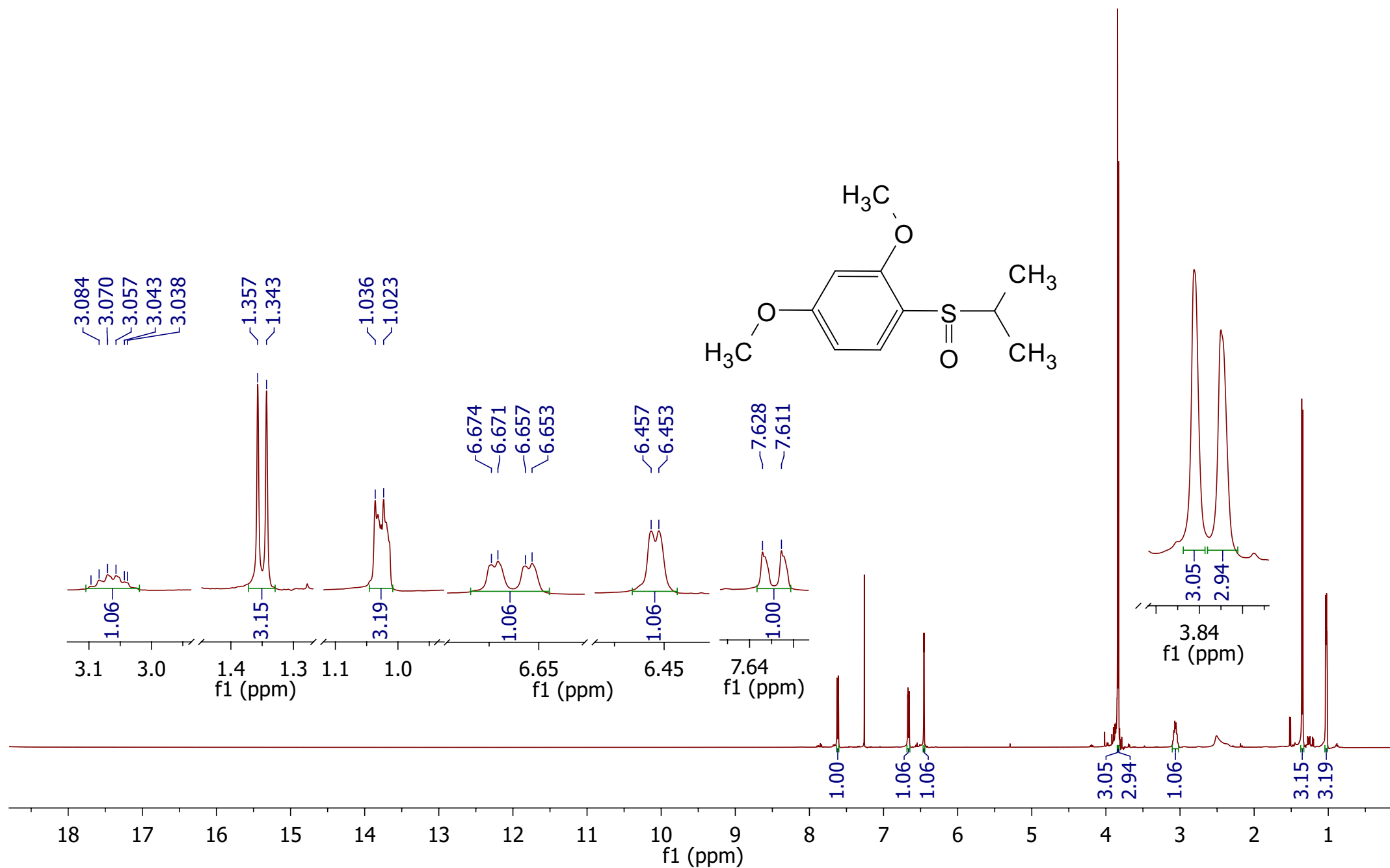
2,4-Dimethoxy-1-(ethylsulfinyl)benzene (3b)



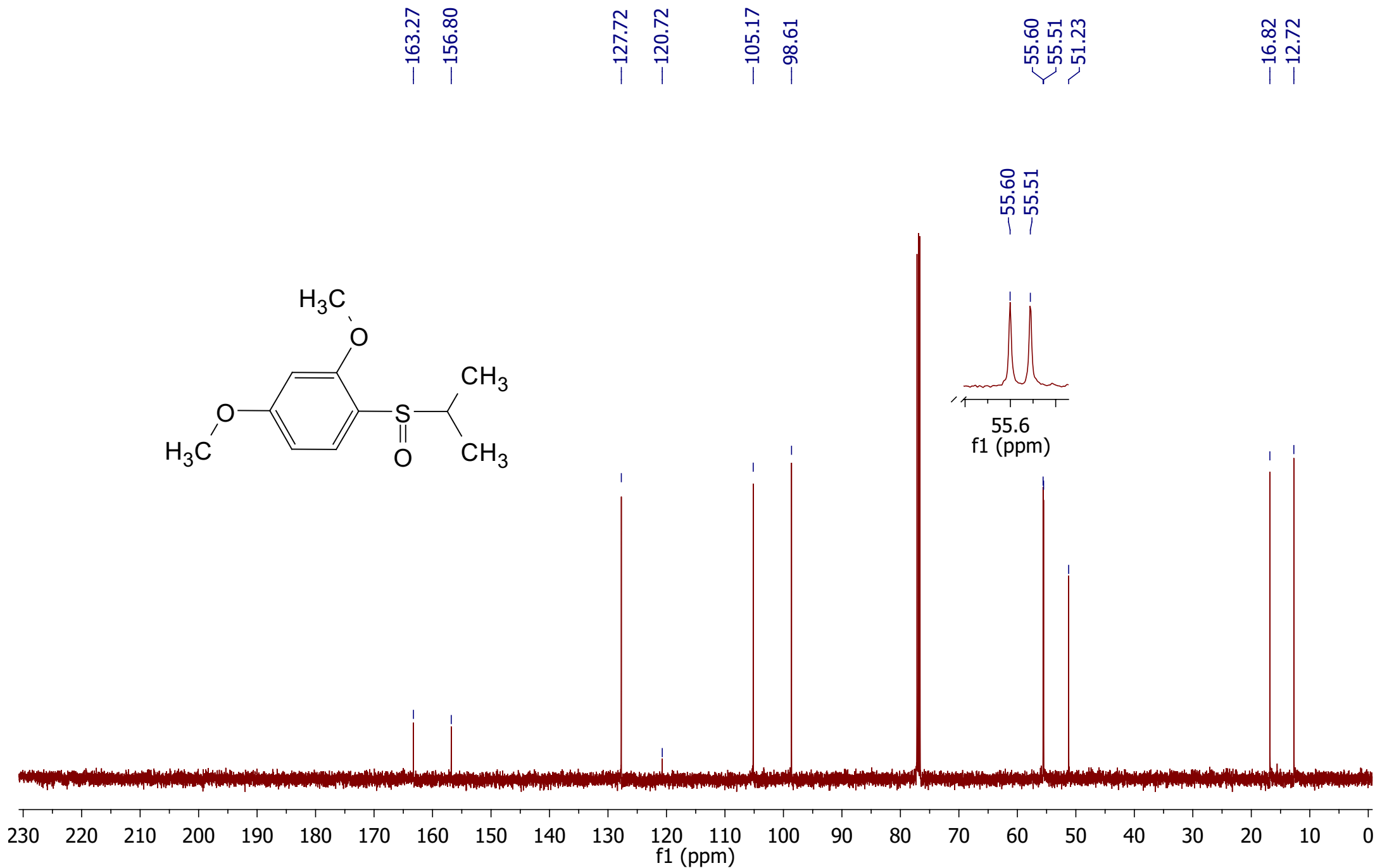
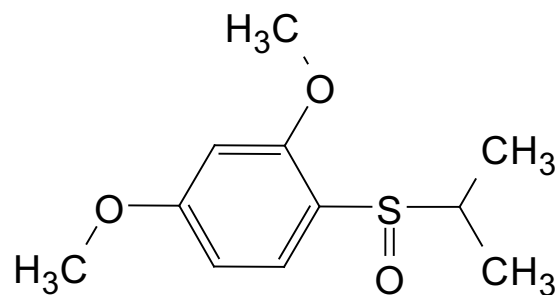
2,4-Dimethoxy-1-(ethylsulfinyl)benzene (3b)



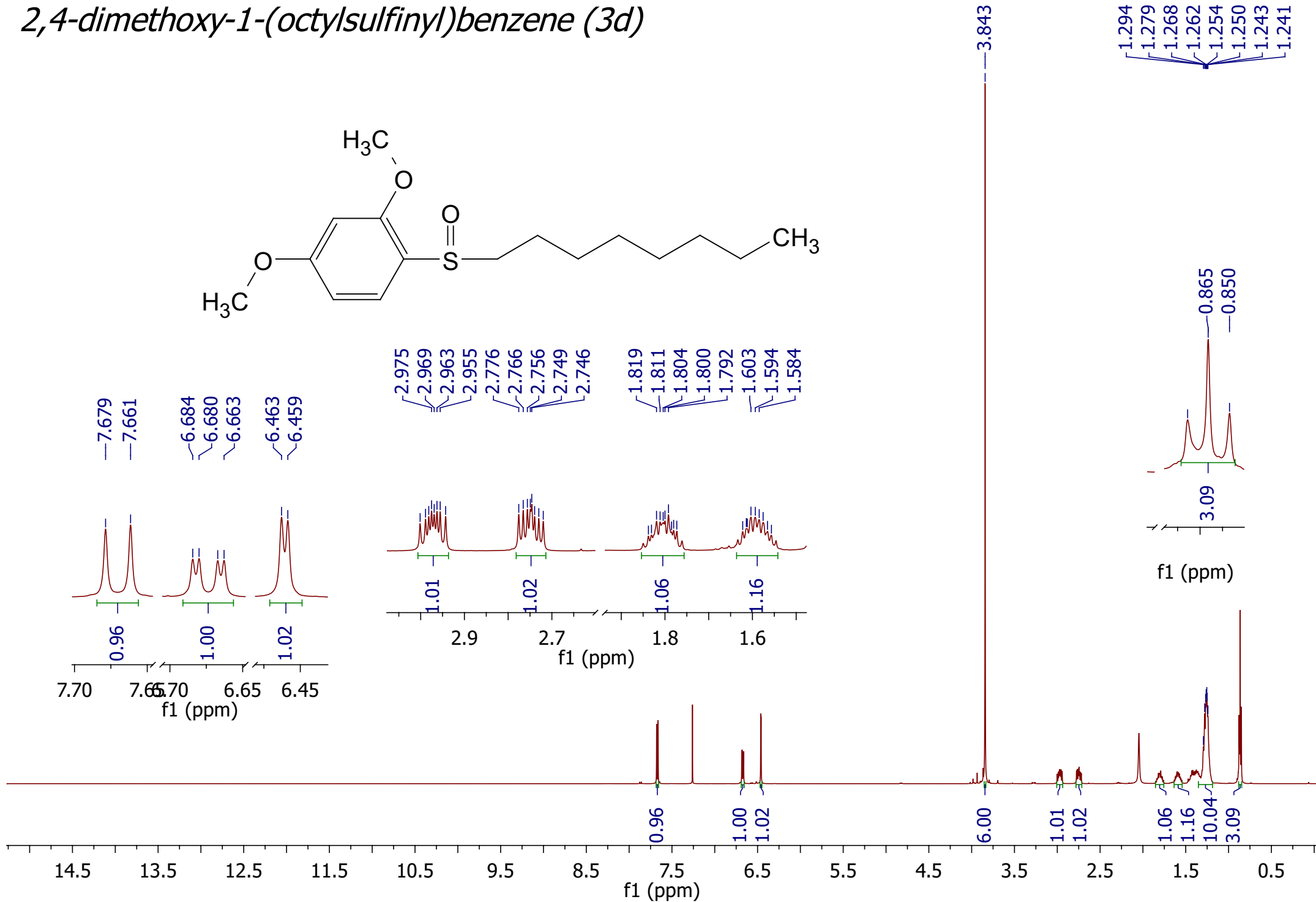
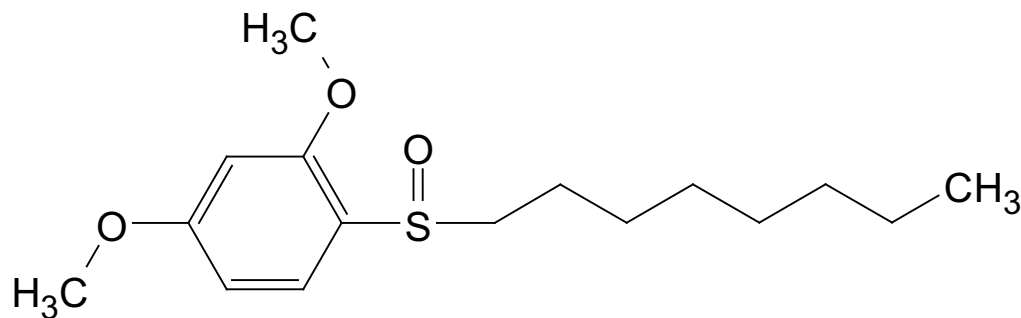
2,4-dimethoxy-1-(2-propylsulfinyl)benzene (3c)



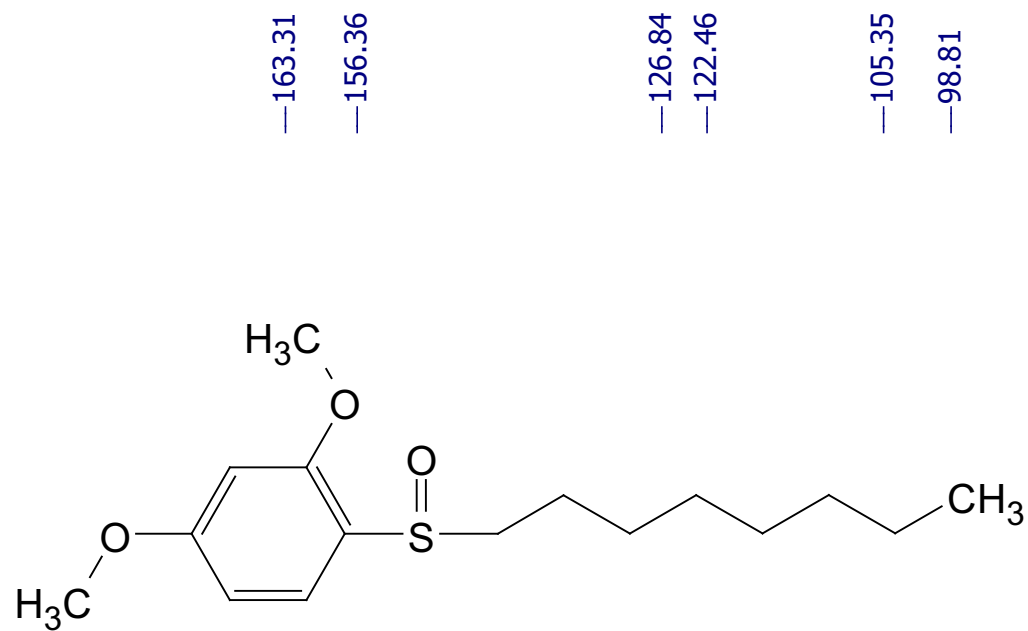
2,4-dimethoxy-1-(2-propylsulfinyl)benzene (3c)



2,4-dimethoxy-1-(octylsulfinyl)benzene (3d)



2,4-dimethoxy-1-(octylsulfinyl)benzene (3d)



—163.31

—156.36

—126.84

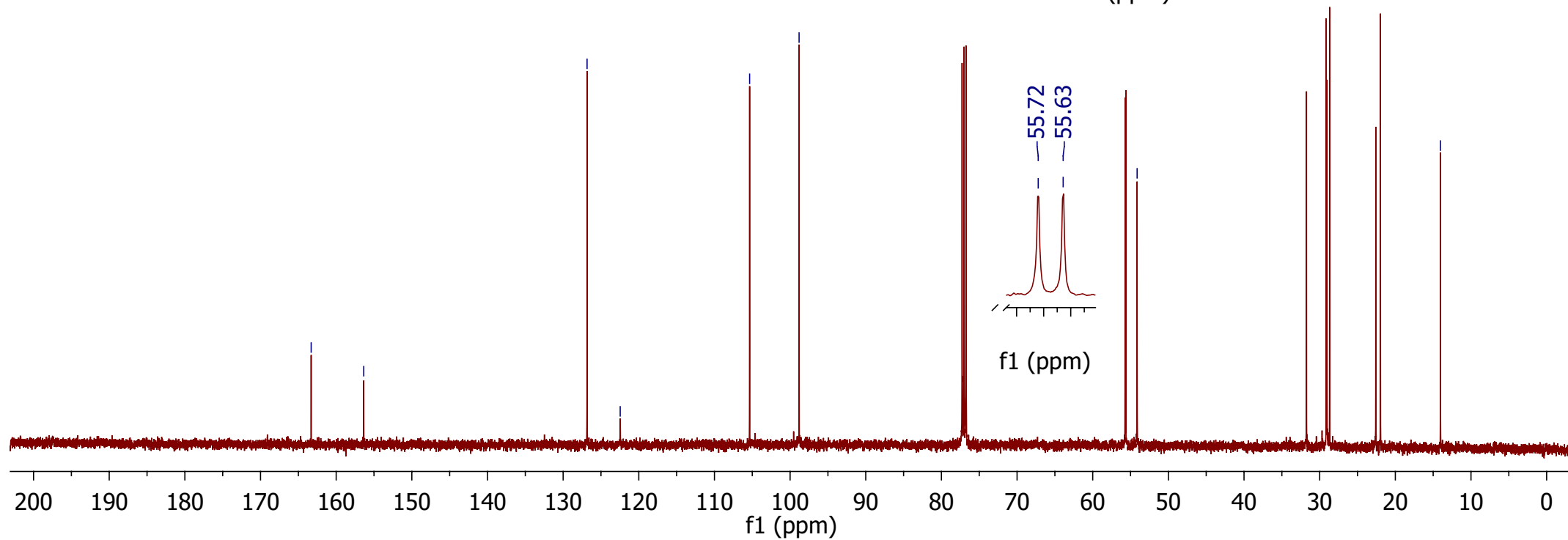
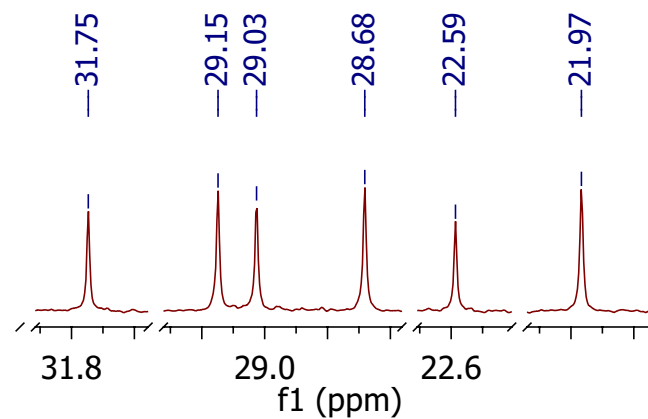
—122.46

—105.35

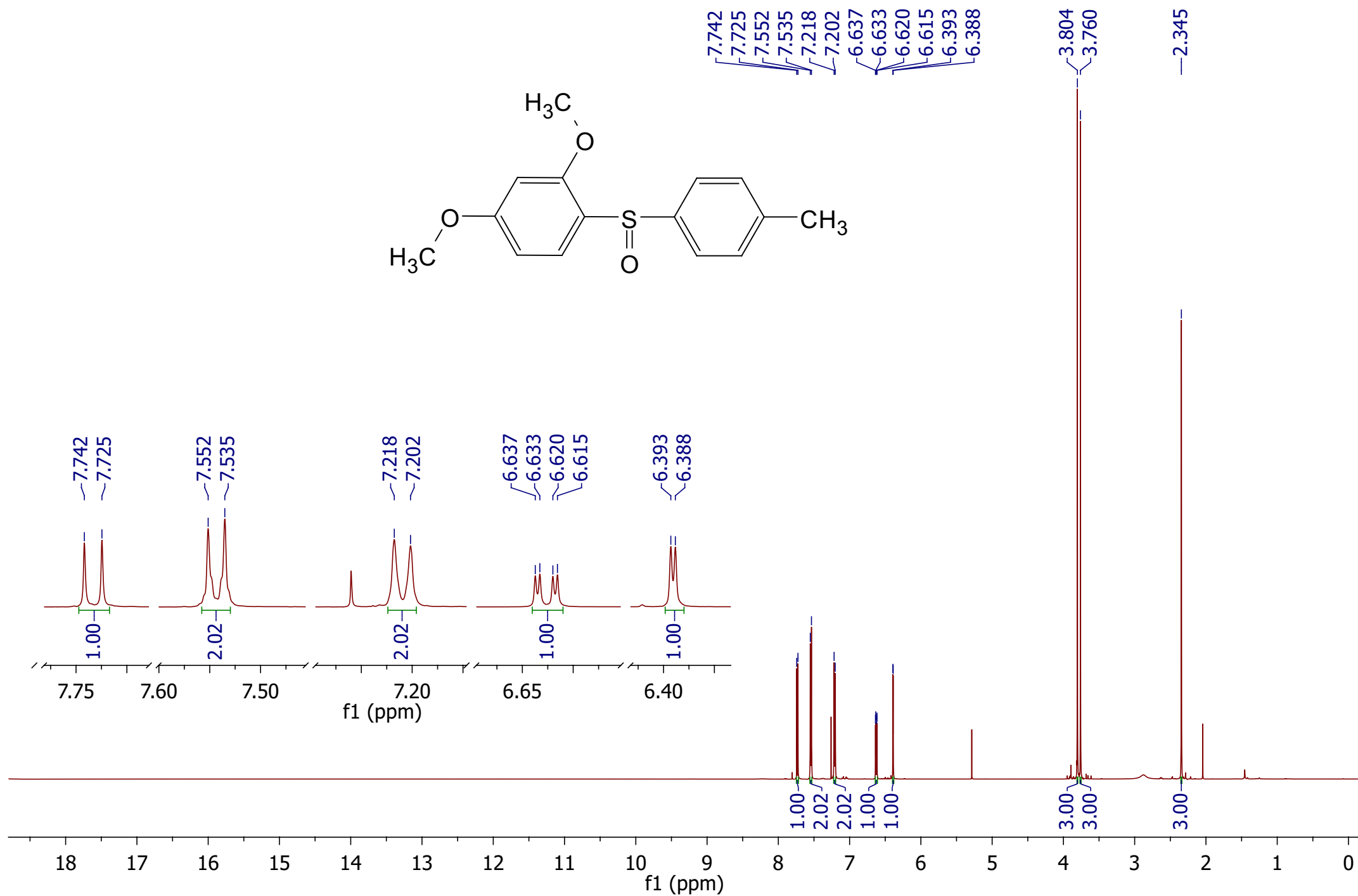
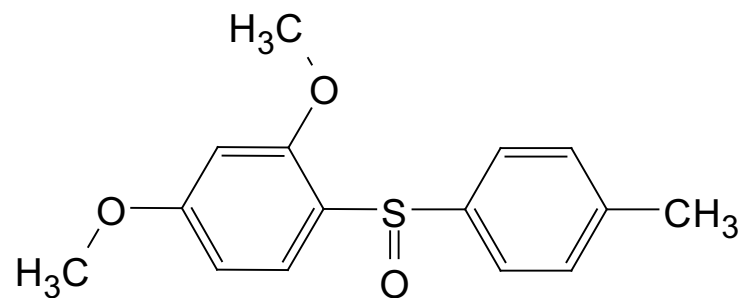
—98.81

—54.13

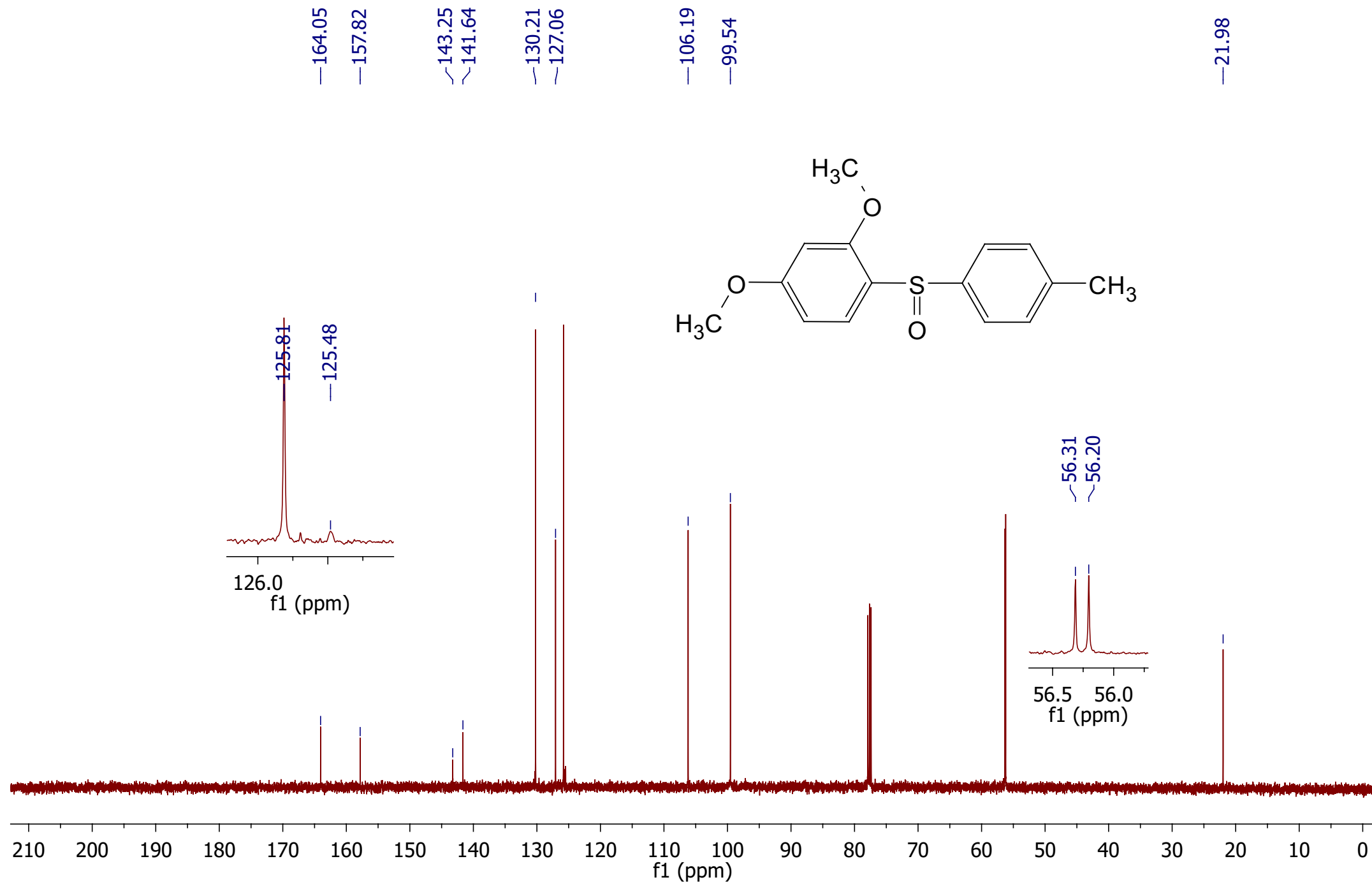
—14.04



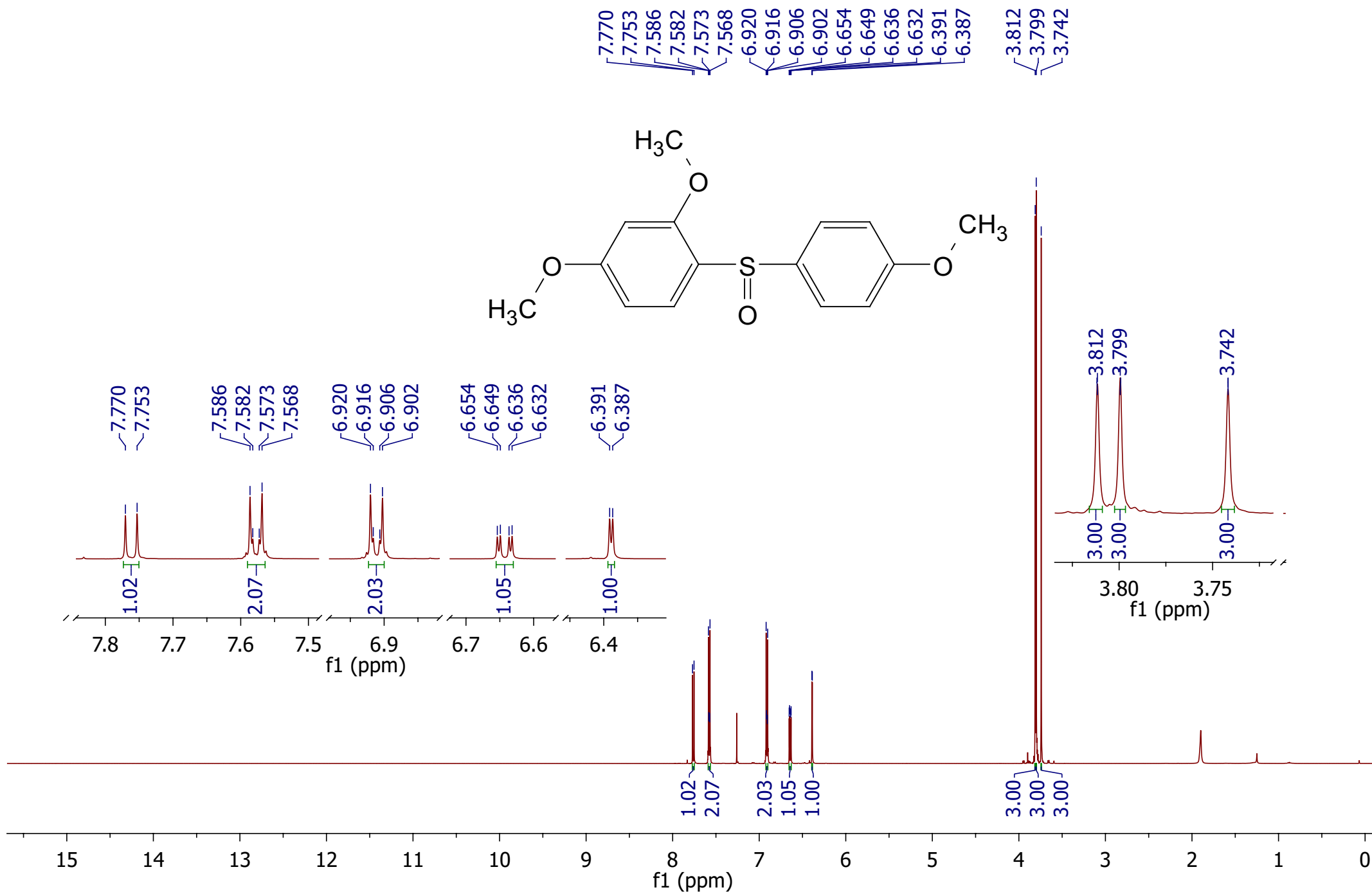
2,4-Dimethoxy-1-(*p*-tolylsulfinyl)benzene (3e)



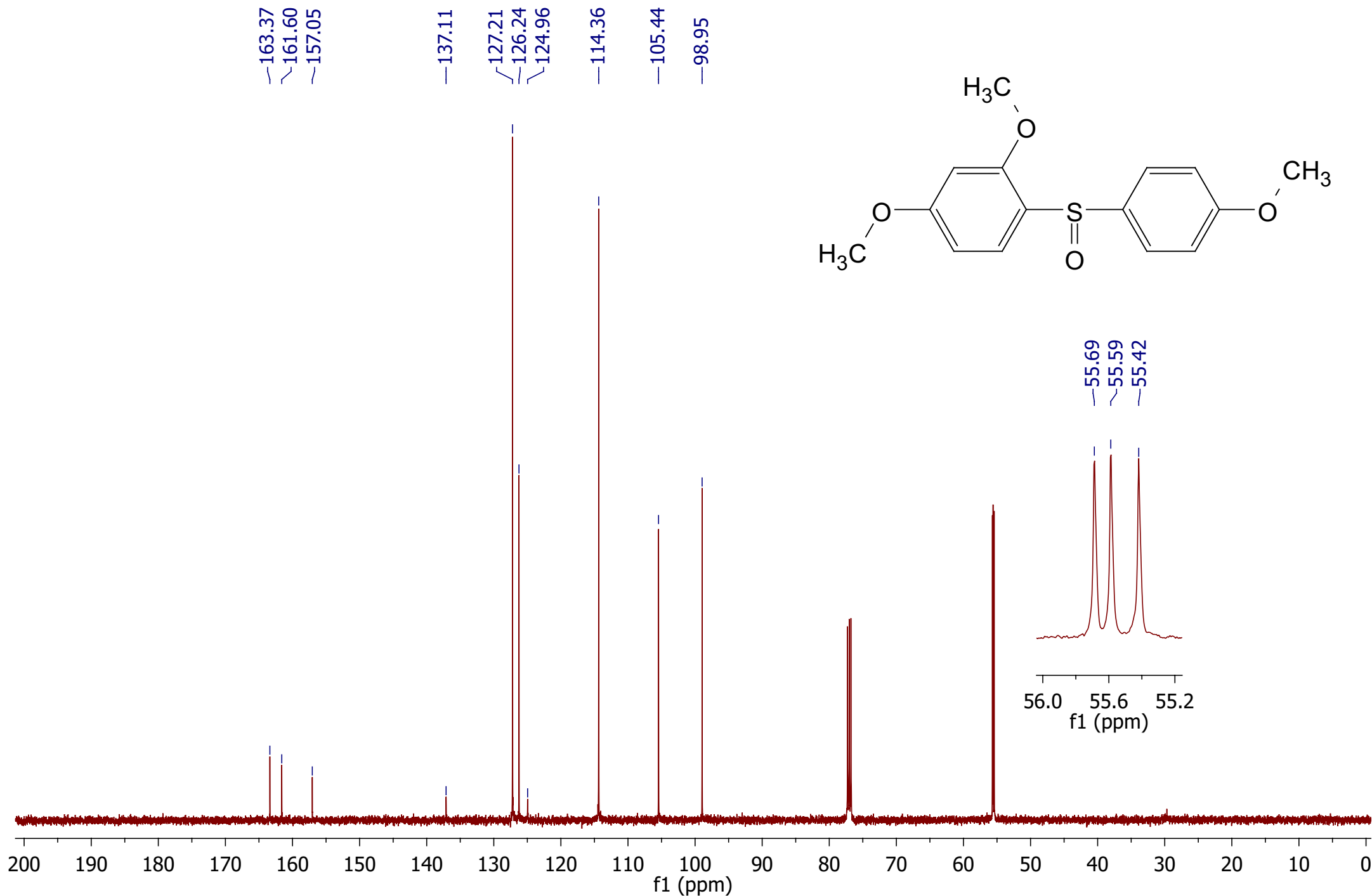
2,4-Dimethoxy-1-(*p*-tolylsulfinyl)benzene (3e)



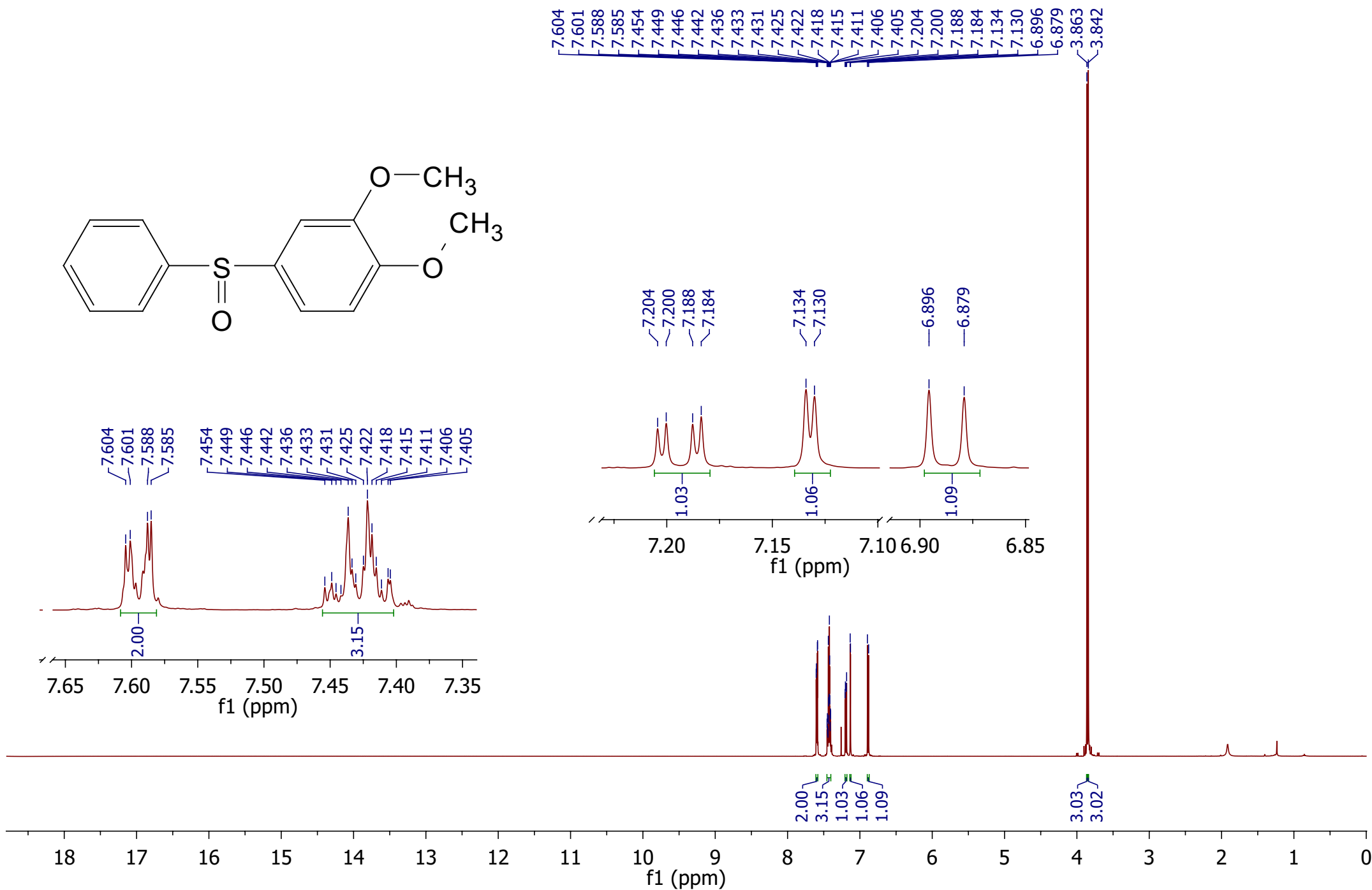
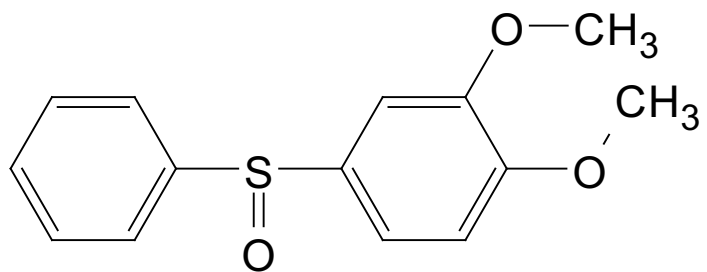
2,4-Dimethoxy-1-((4-methoxyphenyl)sulfinyl)benzene (3f)



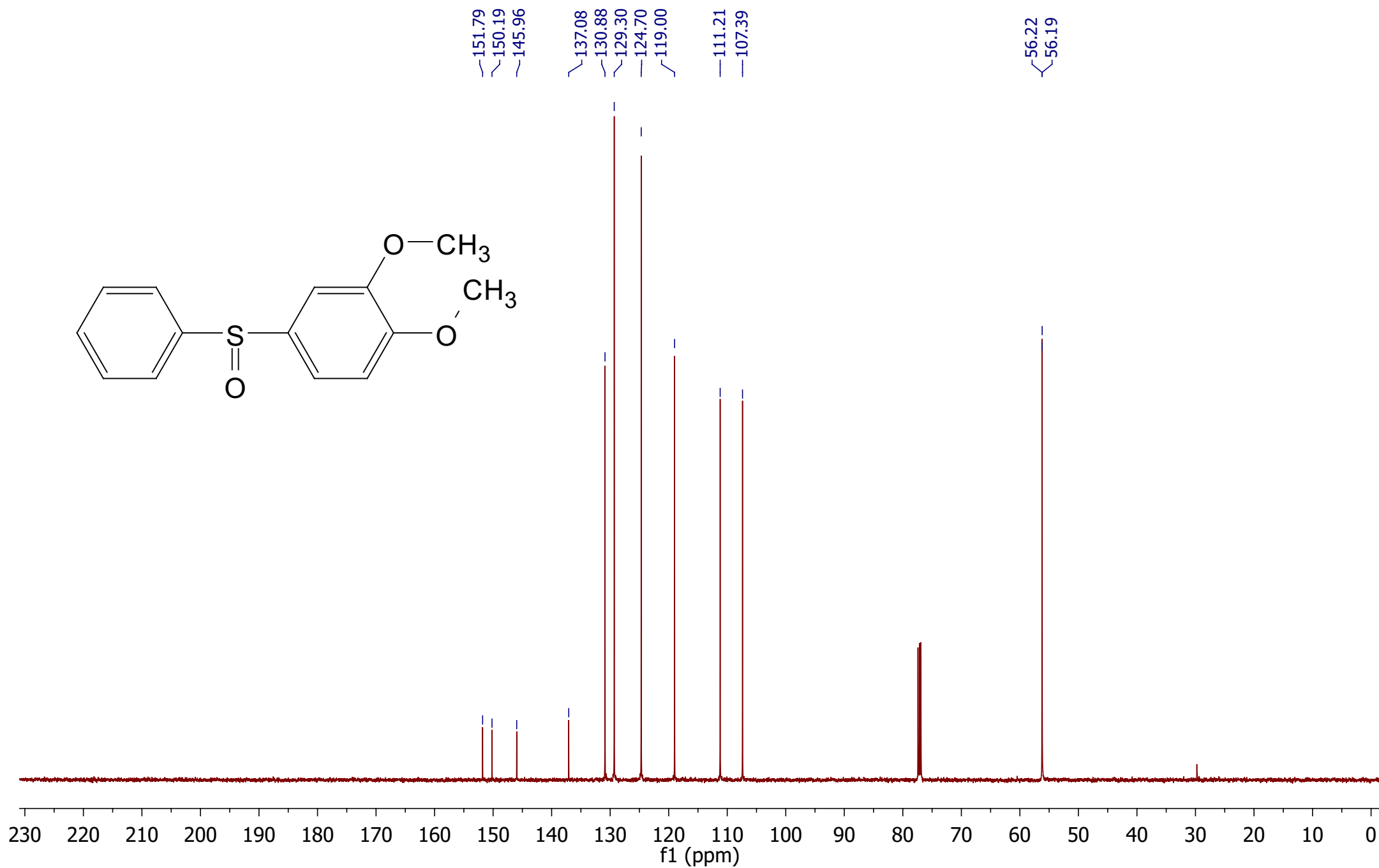
2,4-Dimethoxy-1-((4-methoxyphenyl)sulfinyl)benzene (3f)



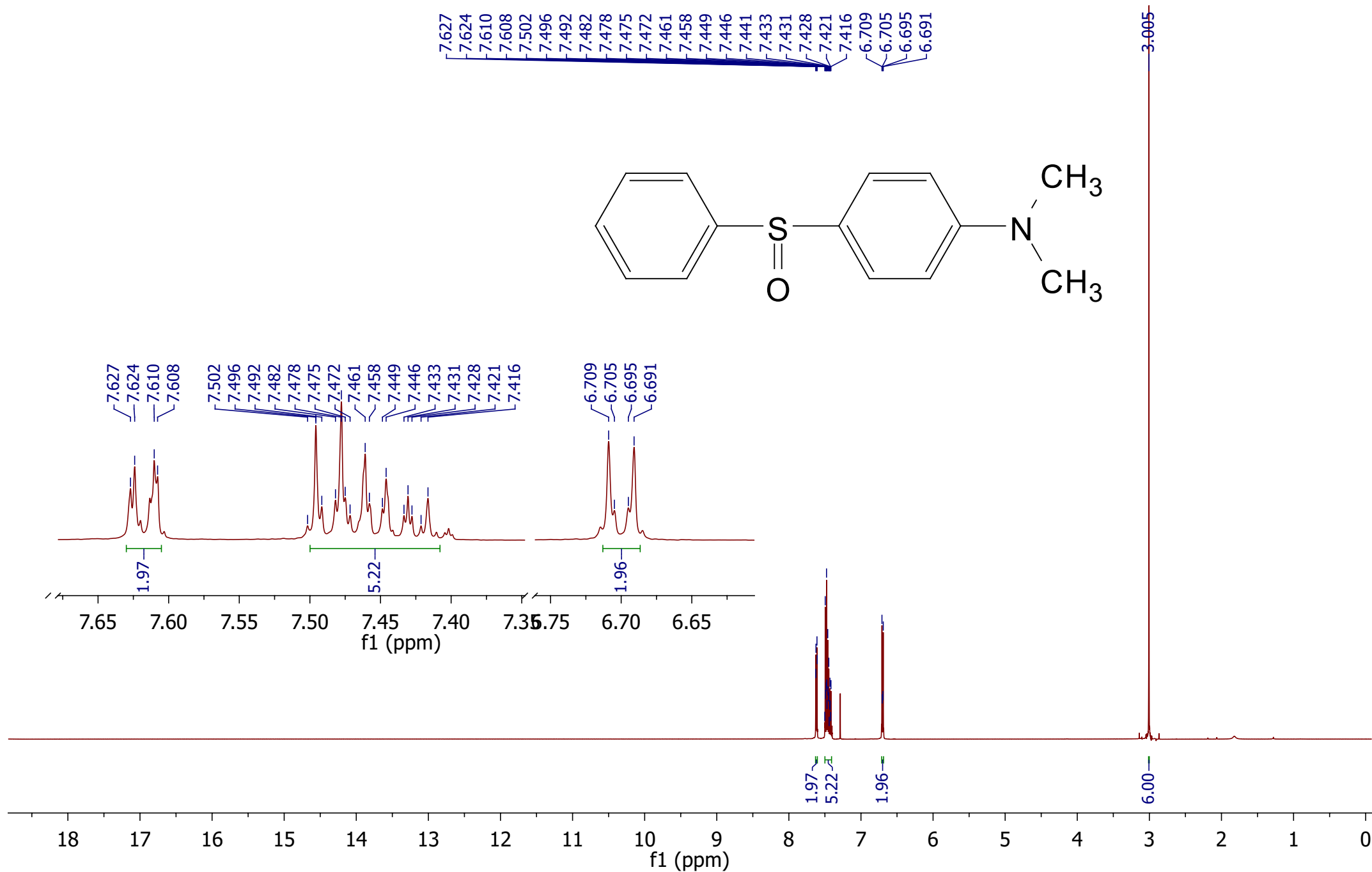
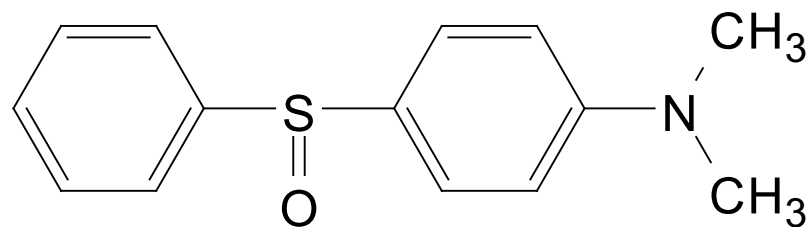
1,2-dimethoxy-4-(phenylsulfinyl)benzene (3h)



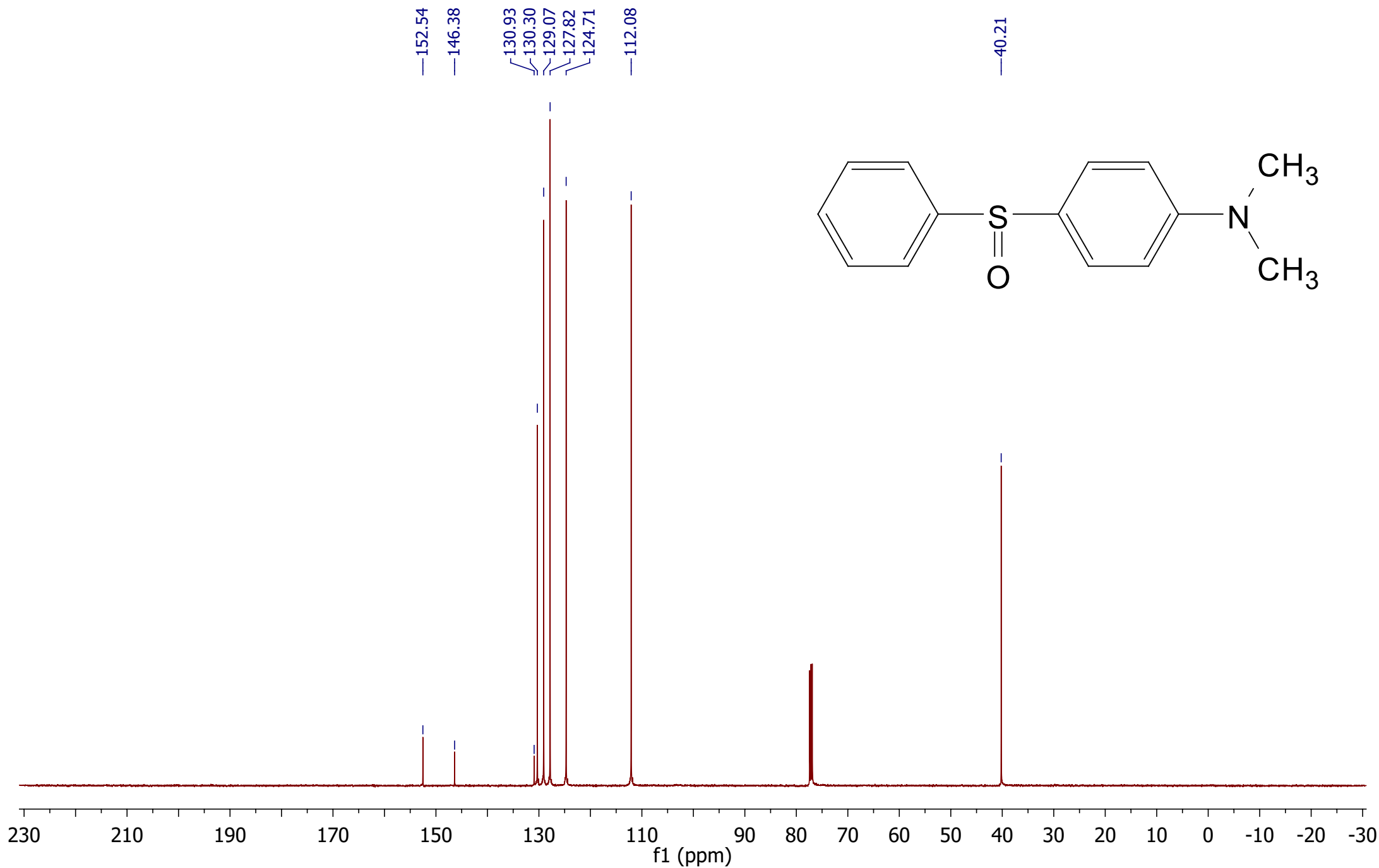
1,2-dimethoxy-4-(phenylsulfinyl)benzene (3h)



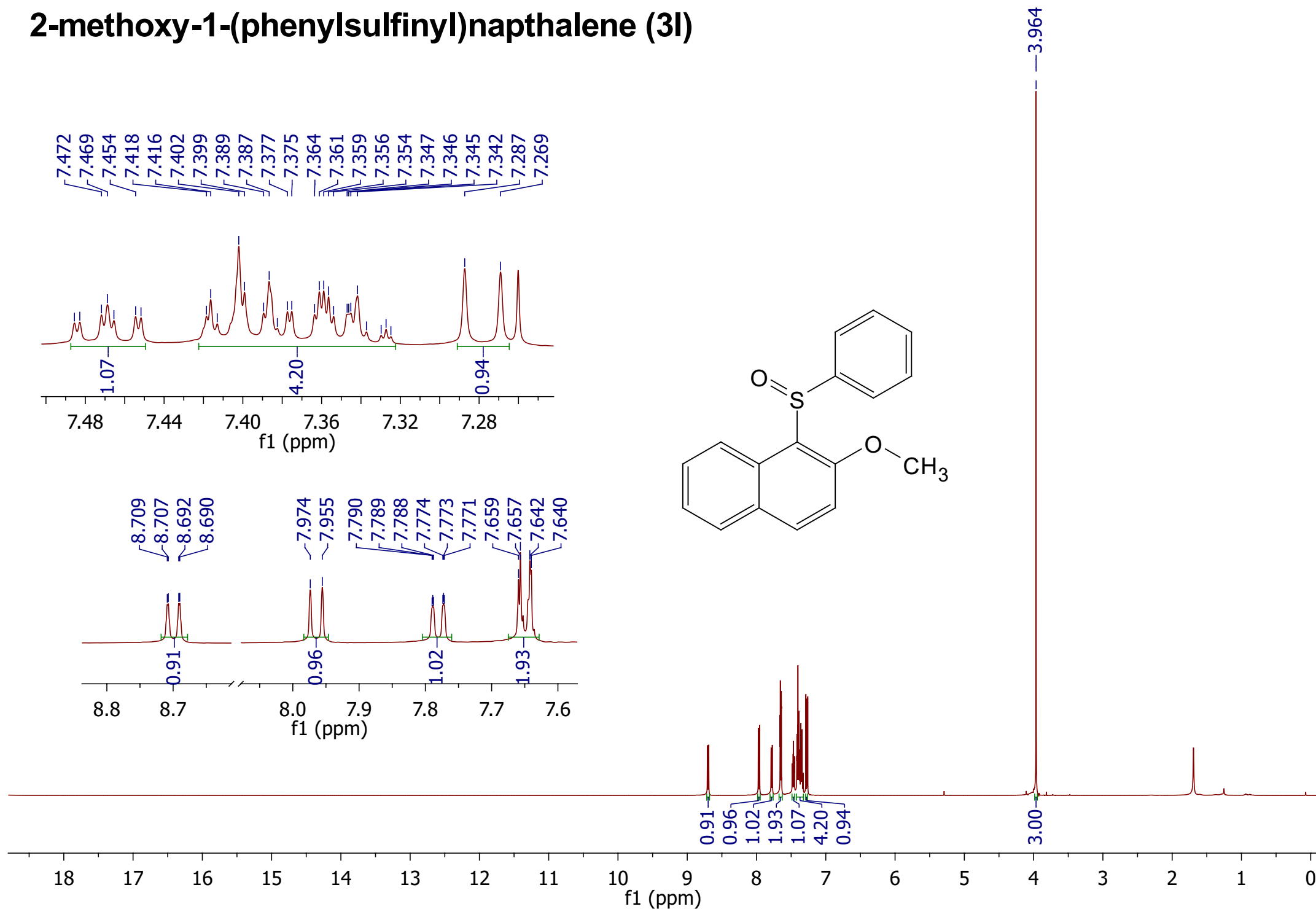
N,N-dimethyl-4-(phenylsulfinyl)aniline (3j)



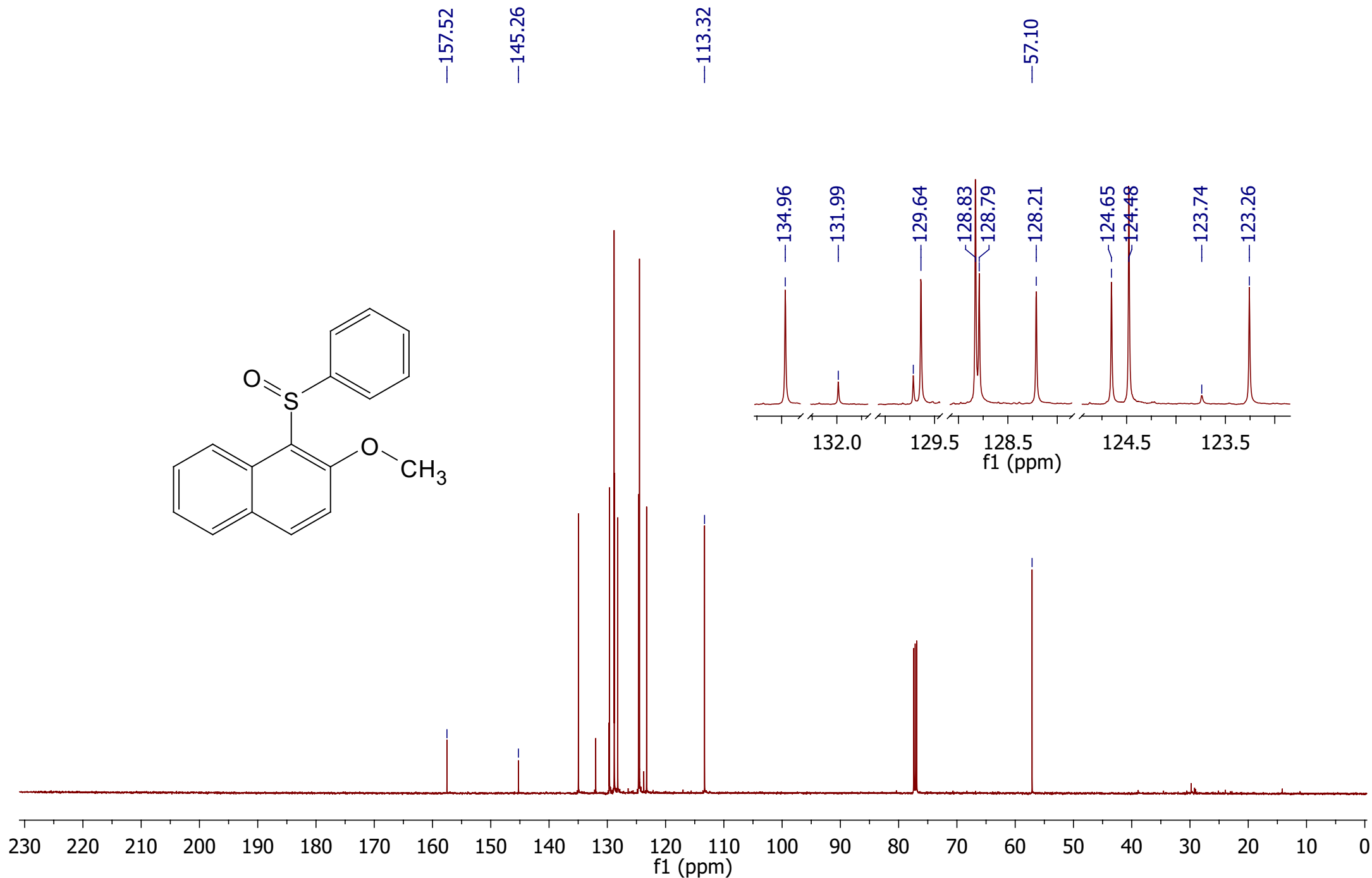
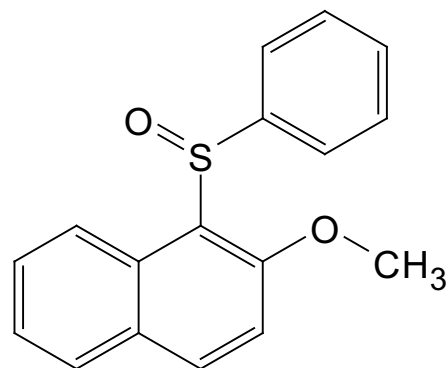
N,N-dimethyl-4-(phenylsulfinyl)aniline (3j)



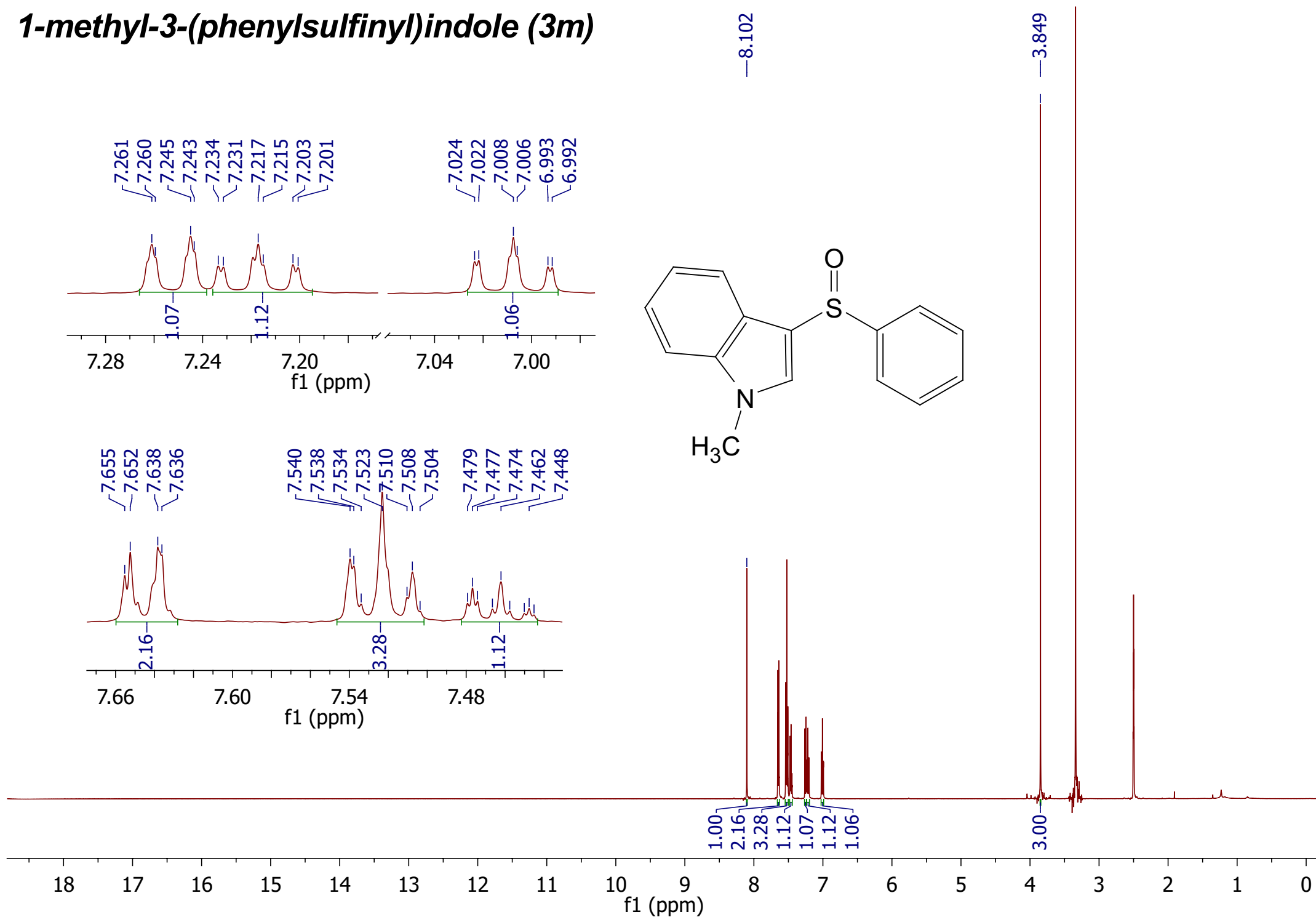
2-methoxy-1-(phenylsulfinyl)naphthalene (3I)



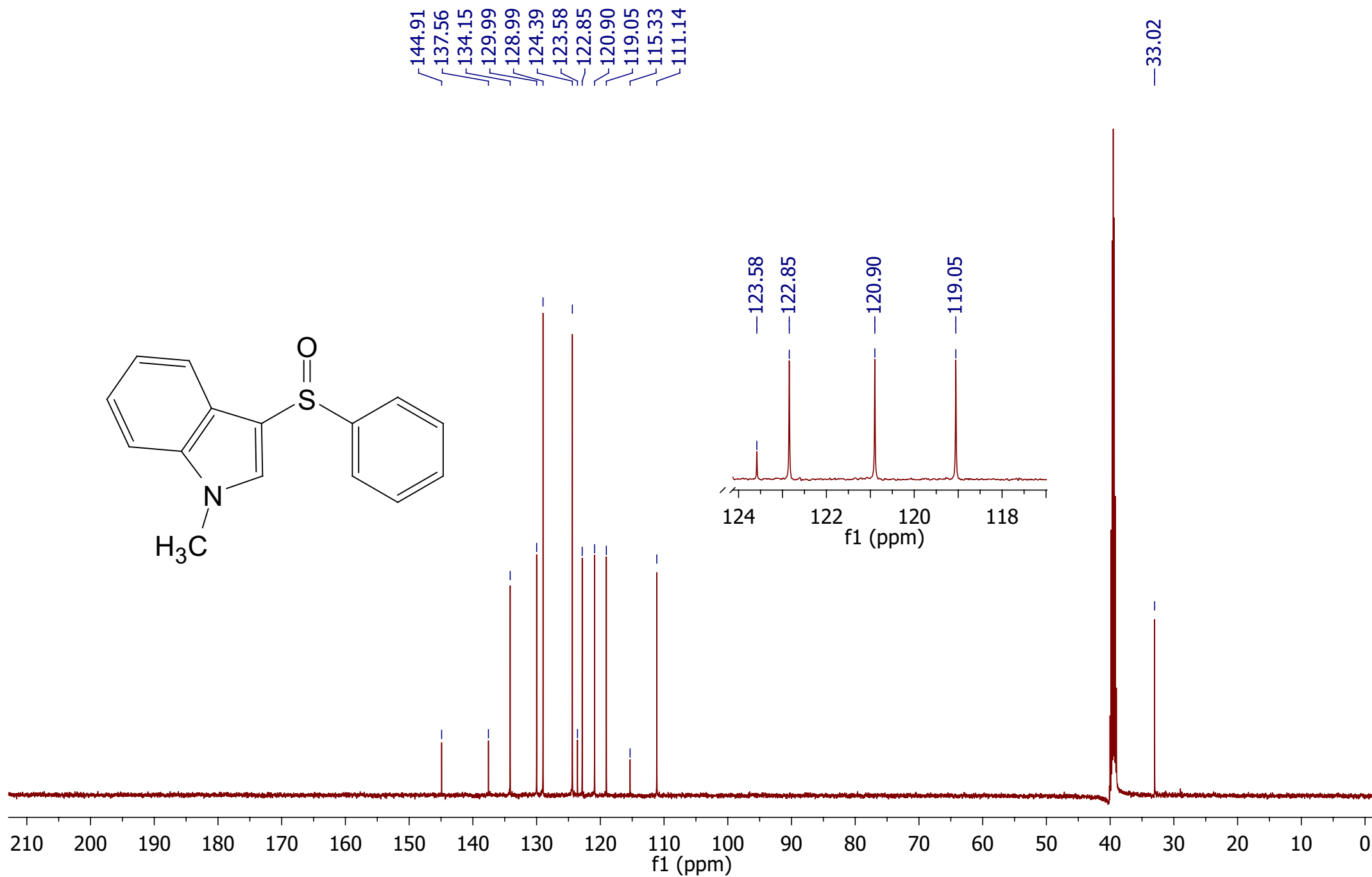
2-methoxy-1-(phenylsulfinyl)naphthalene (3I)



1-methyl-3-(phenylsulfinyl)indole (3m)

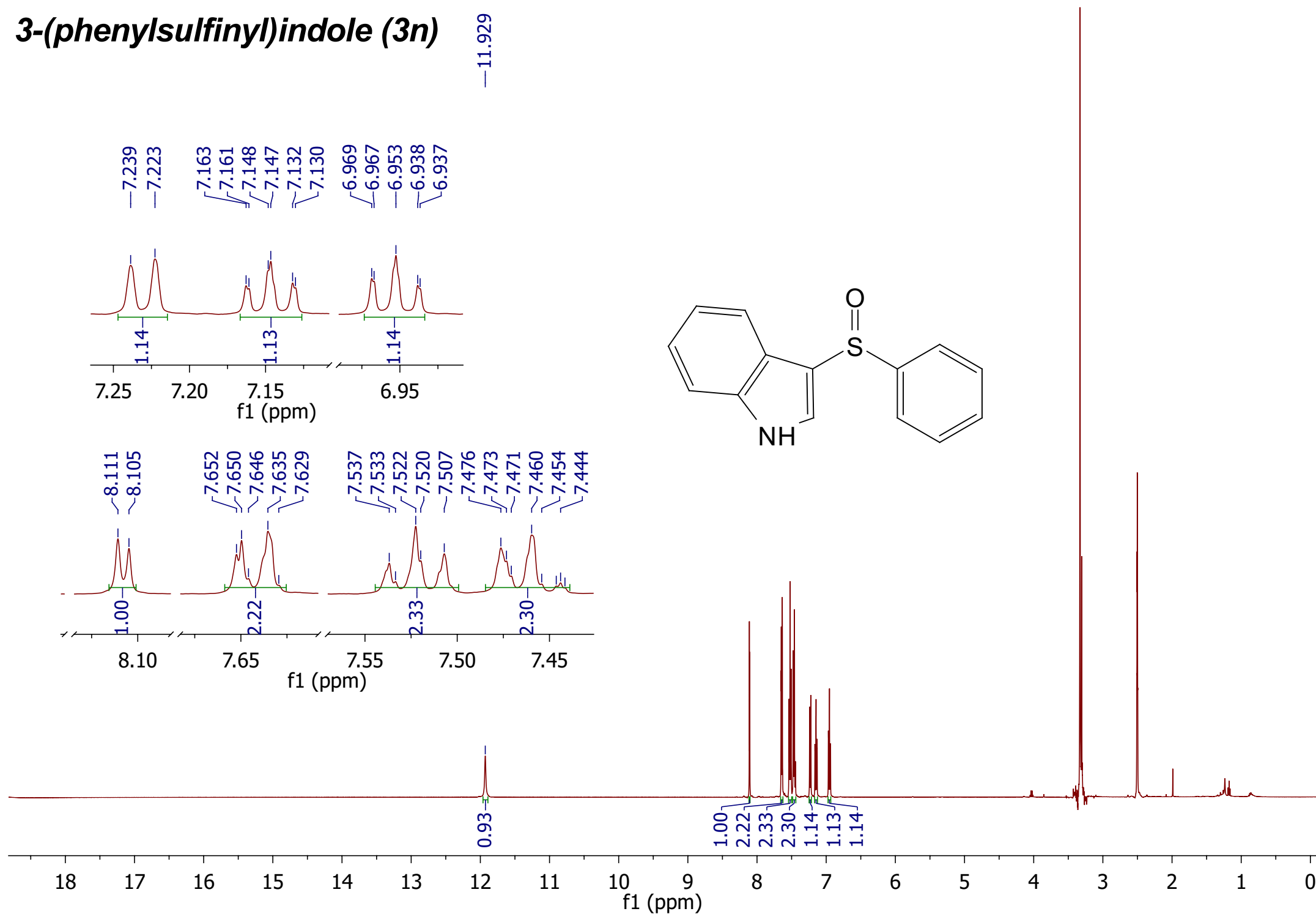
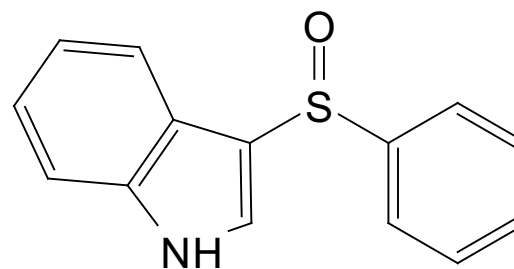


1-methyl-3-(phenylsulfinyl)indole (3m)

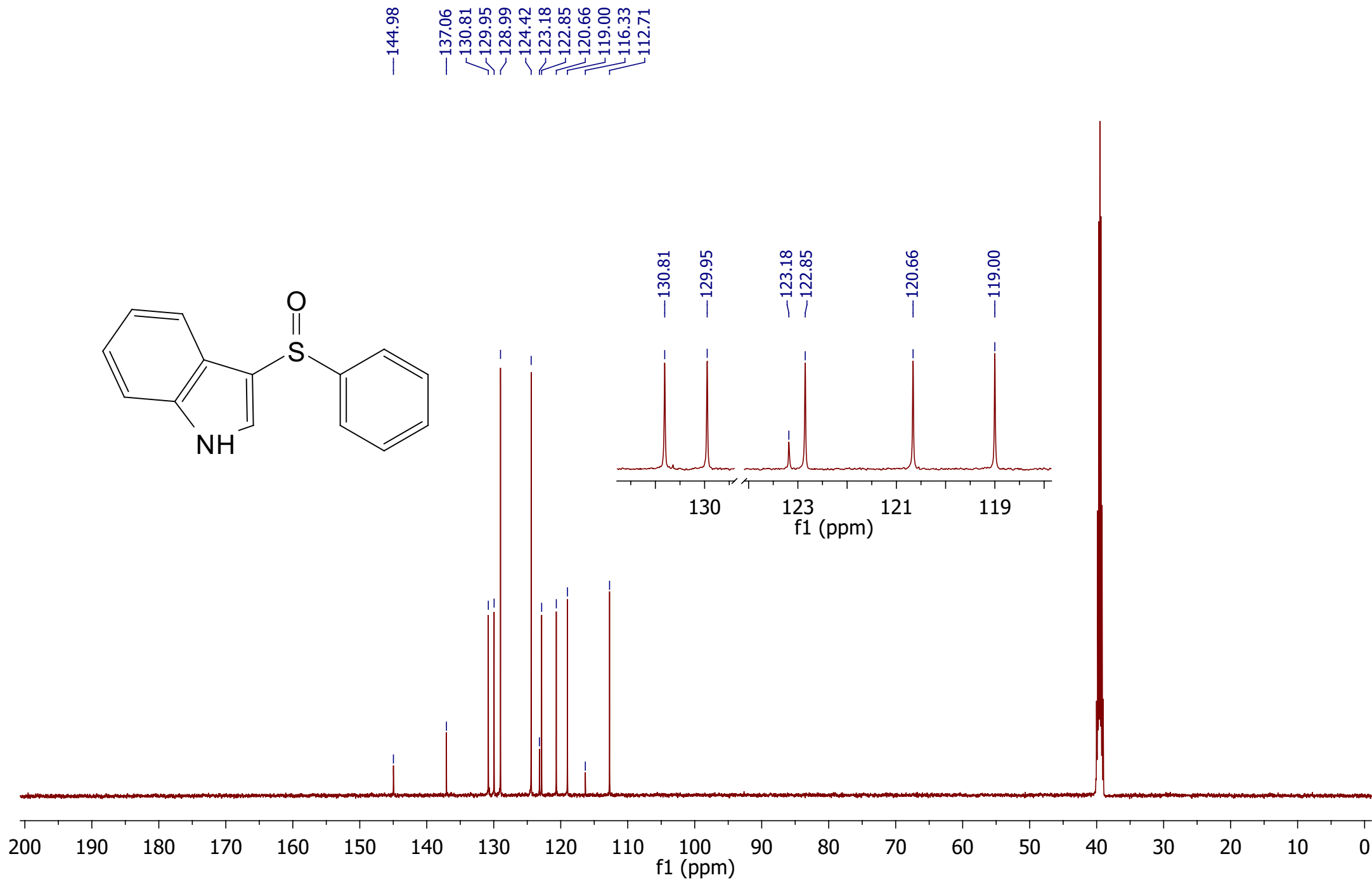
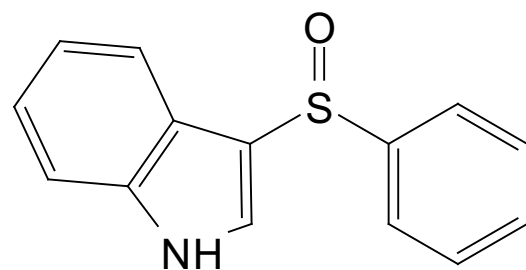


3-(phenylsulfinyl)indole (3n)

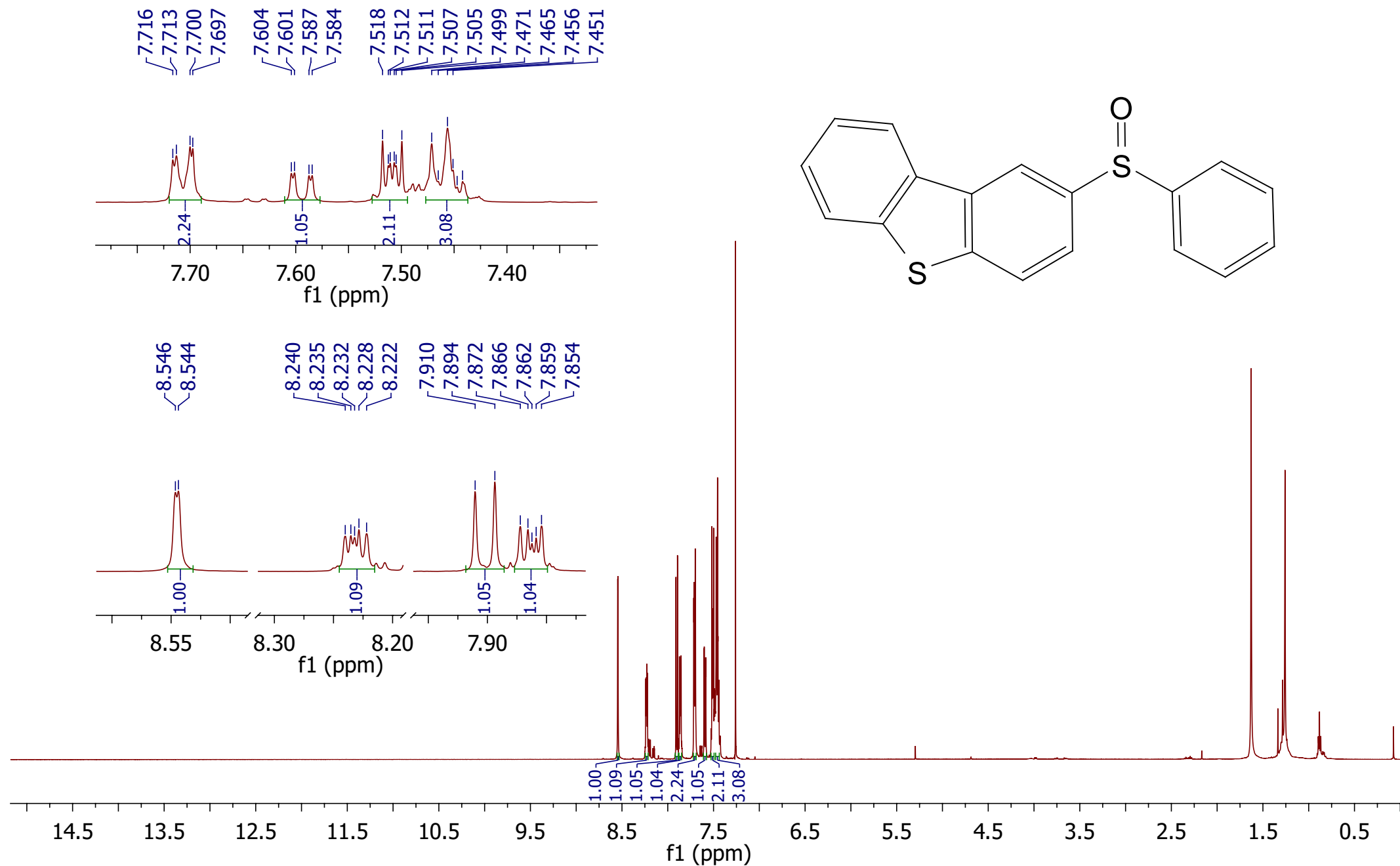
—11.929



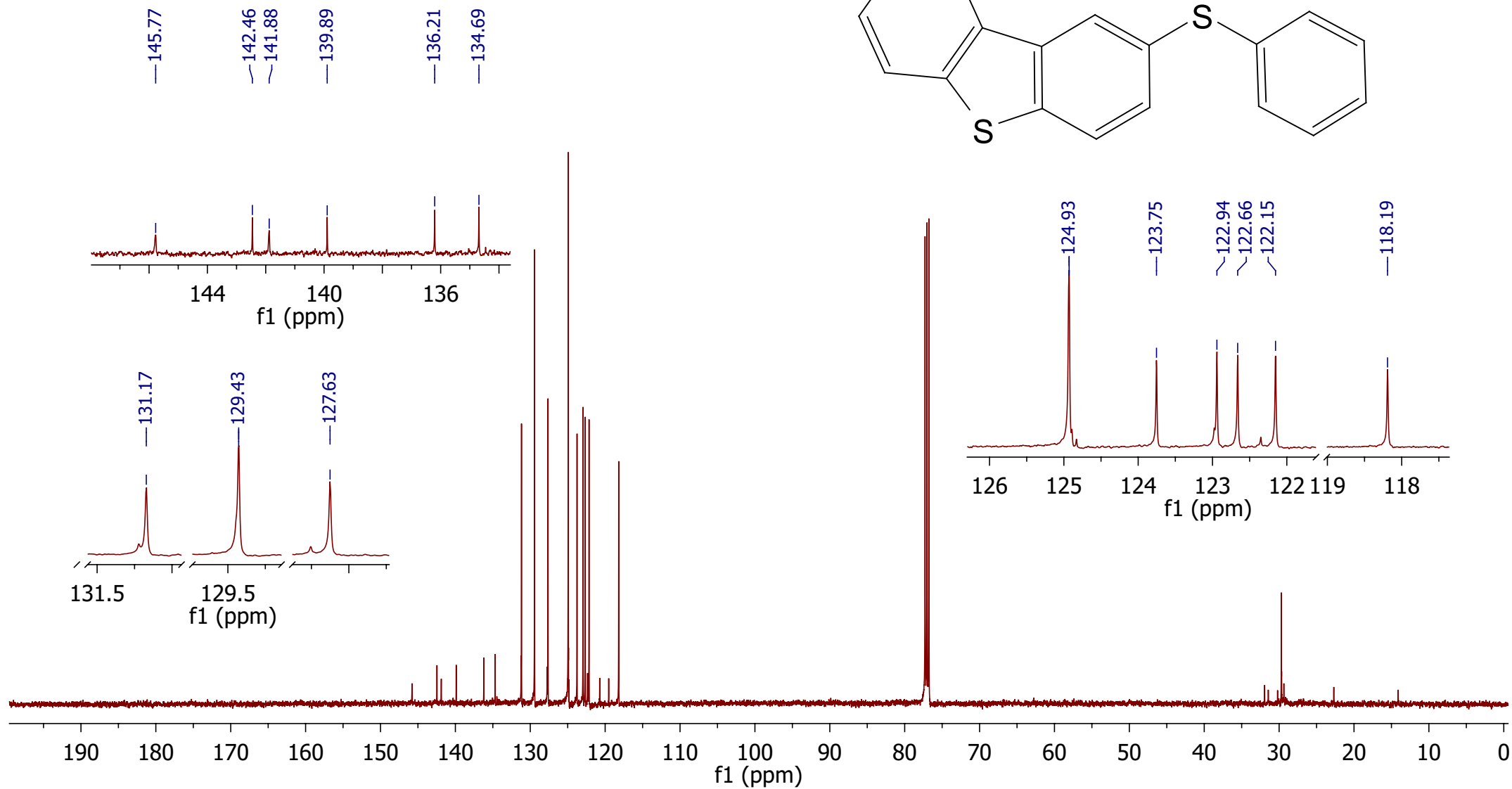
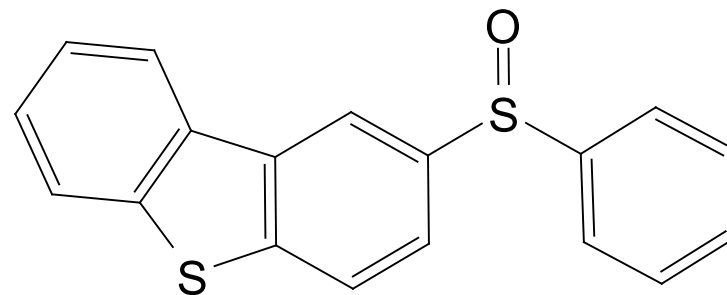
3-(phenylsulfinyl)indole (3n)



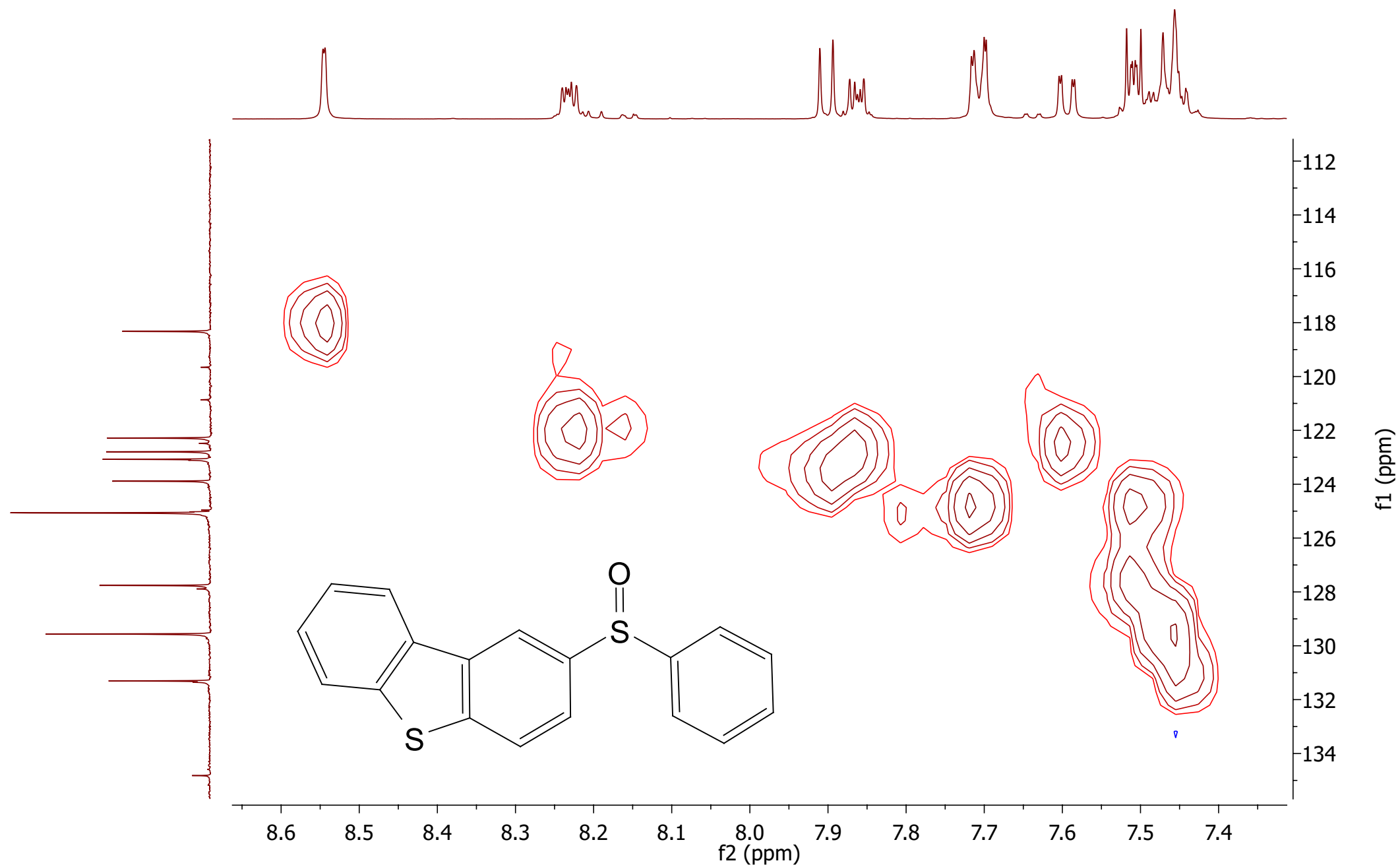
2-(phenylsulfinyl)dibenzo[b,d]thiophene (3p)



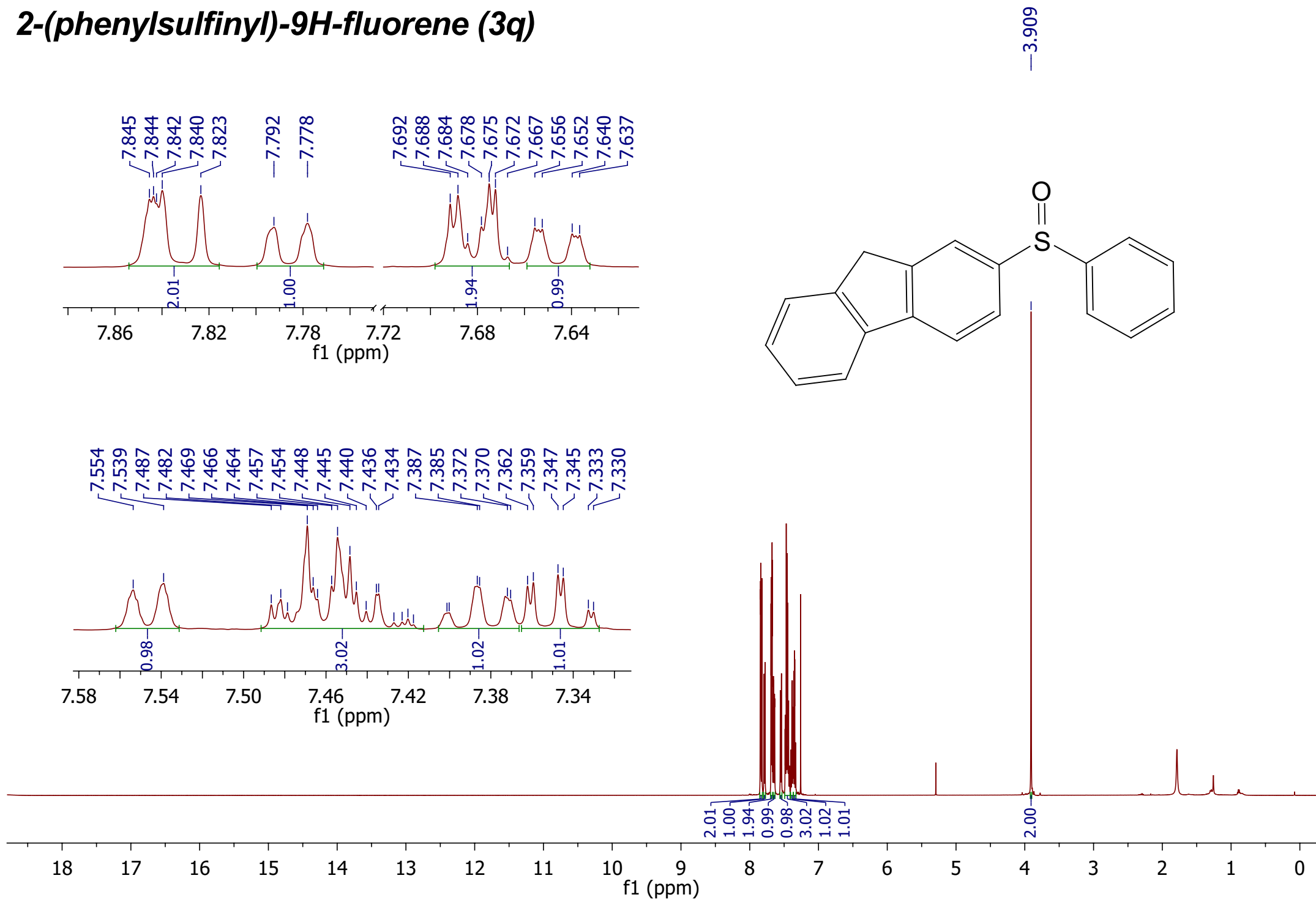
2-(phenylsulfinyl)dibenzo[b,d]thiophene (3p)



2-(Phenylsulfinyl)dibenzo[b,d]thiophene (3p)



2-(phenylsulfinyl)-9H-fluorene (3q)



2-(phenylsulfinyl)-9H-fluorene (3q)

