

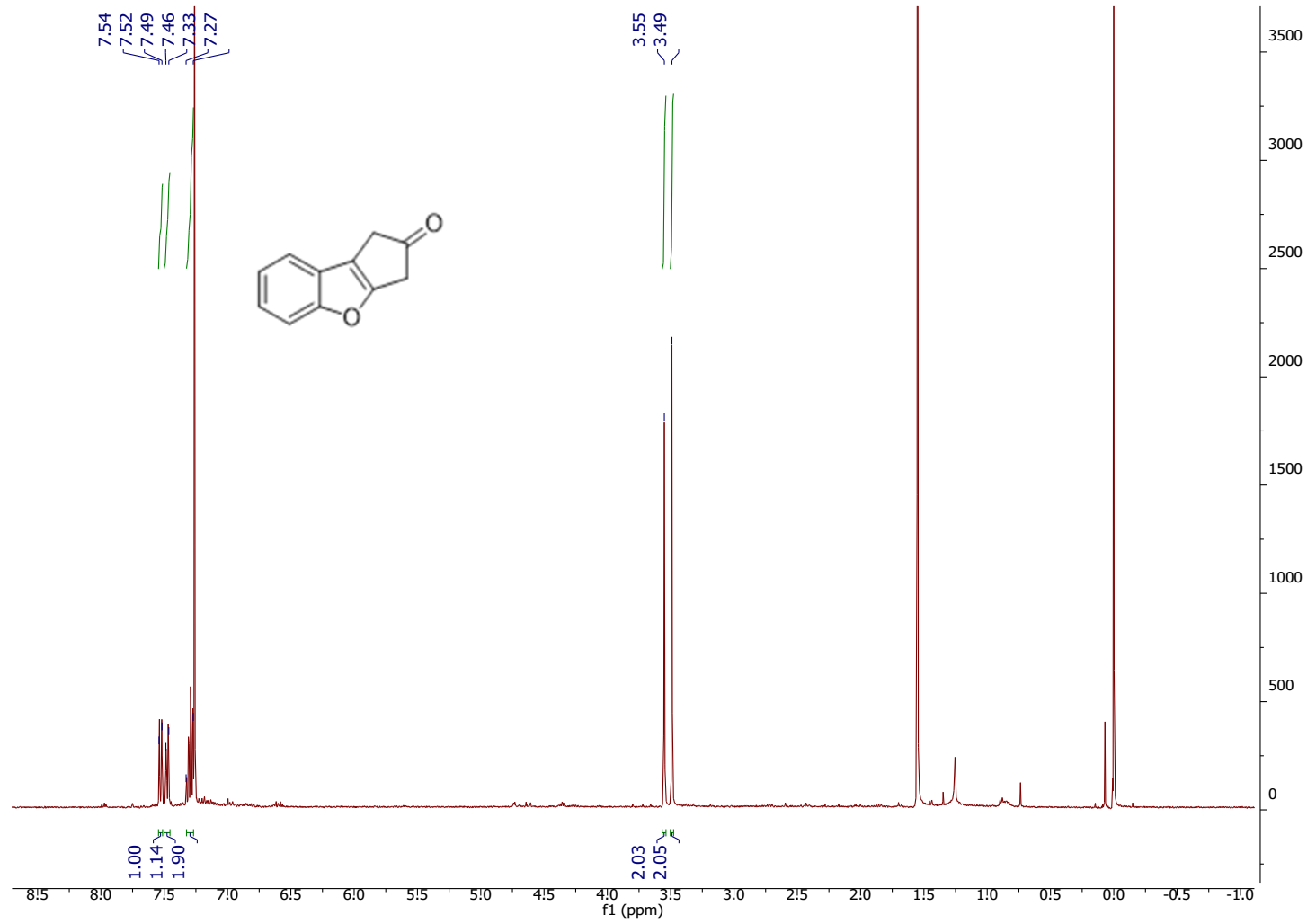
Study of the Pauson-Khand reaction in flow over alkynylphenyl vinyl ethers: Towards the synthesis of tricyclic multisubstituted benzofurans.

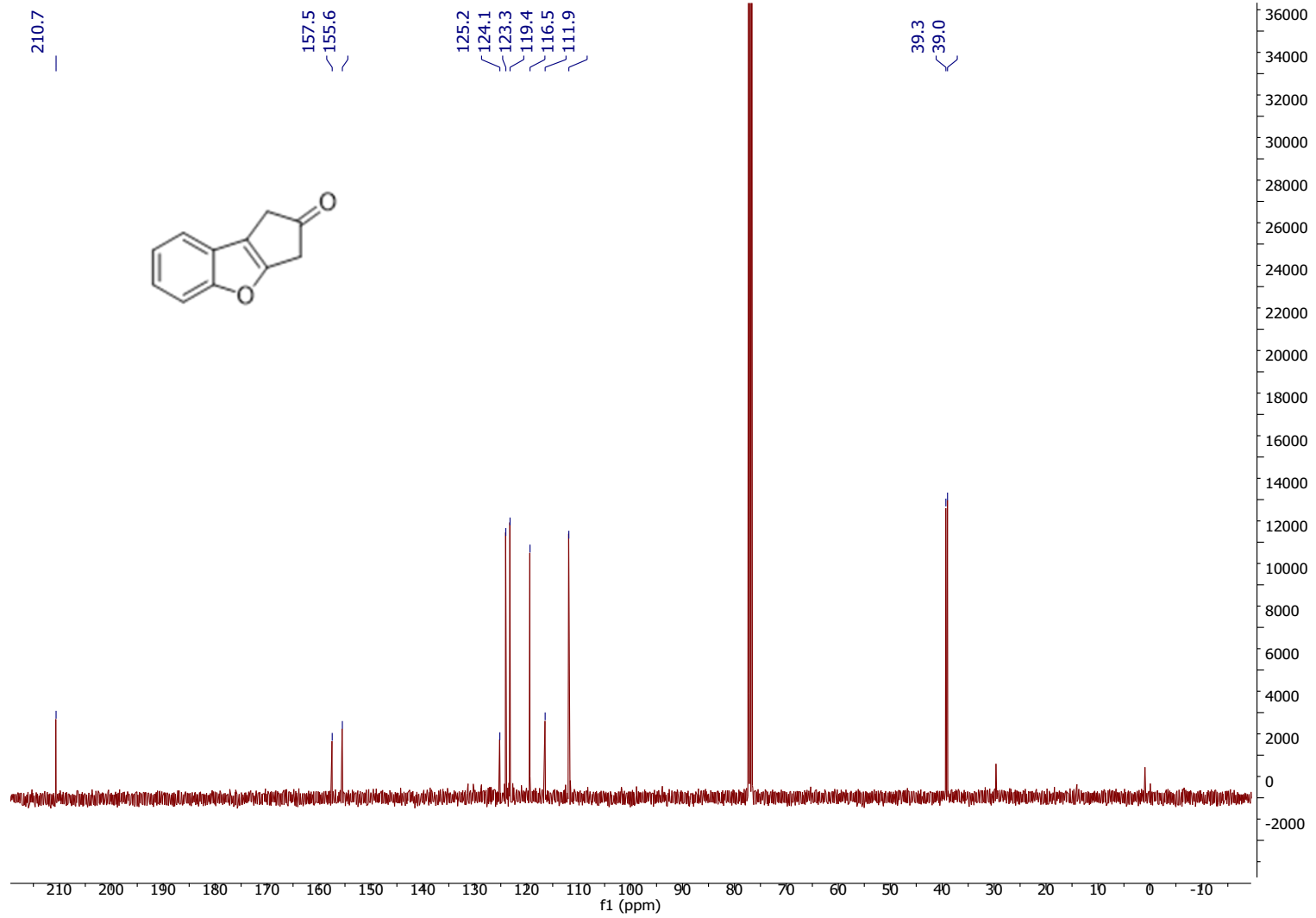
Jorge García-Lacuna,^a Maialen Alonso,^a Gema Domínguez^a and Javier Pérez Castells*^a

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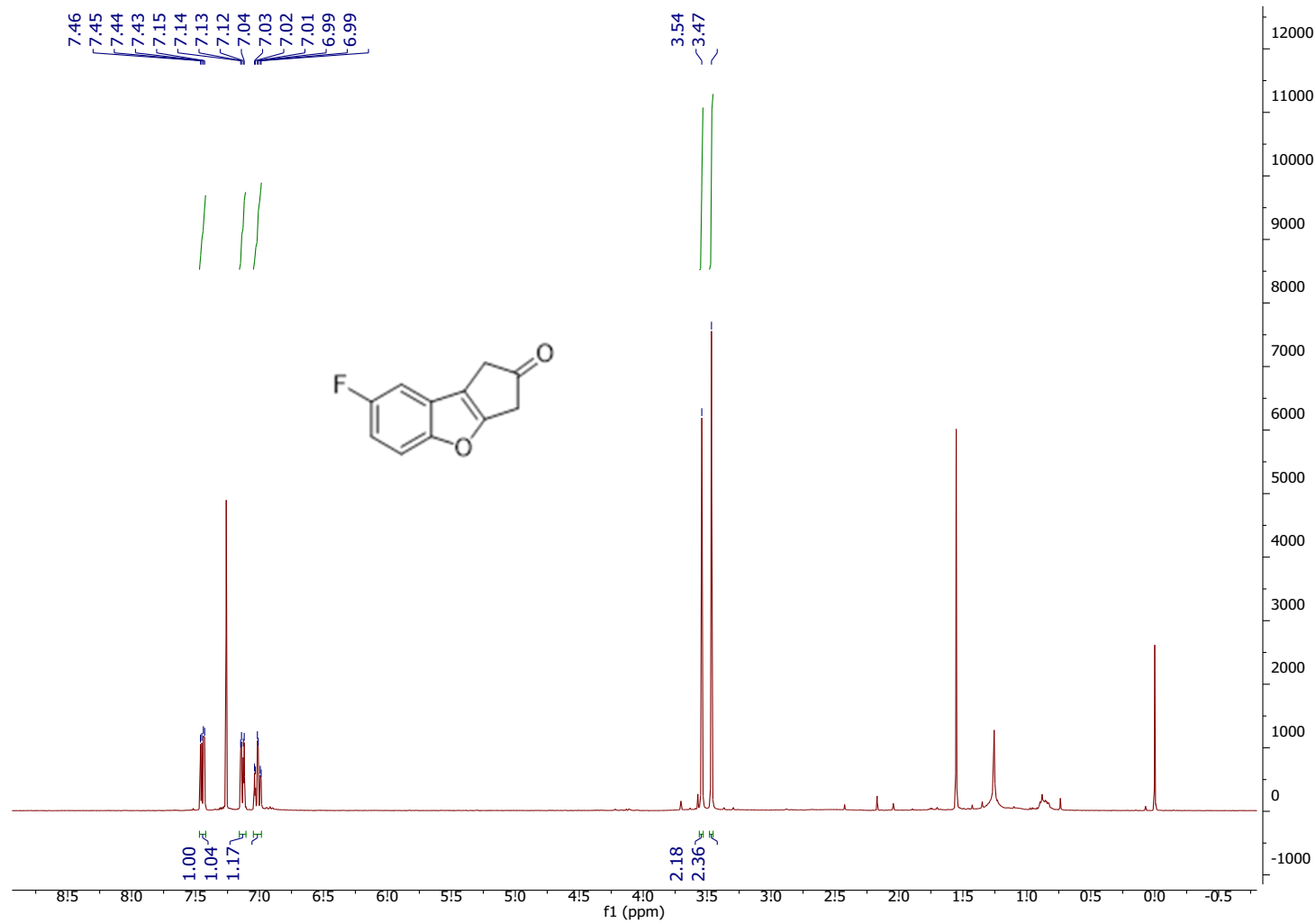
Spectra of PK products (3a-3f , 2g-2h and 2m-2s).....	S2-S31
Spectra of side products isolated from the PKr: (4a , 4k , 4l and 5).....	S32-39
Spectra of substrates for the PKr: alkynylaryl vinyl ethers (1a-1s).....	S40-S77

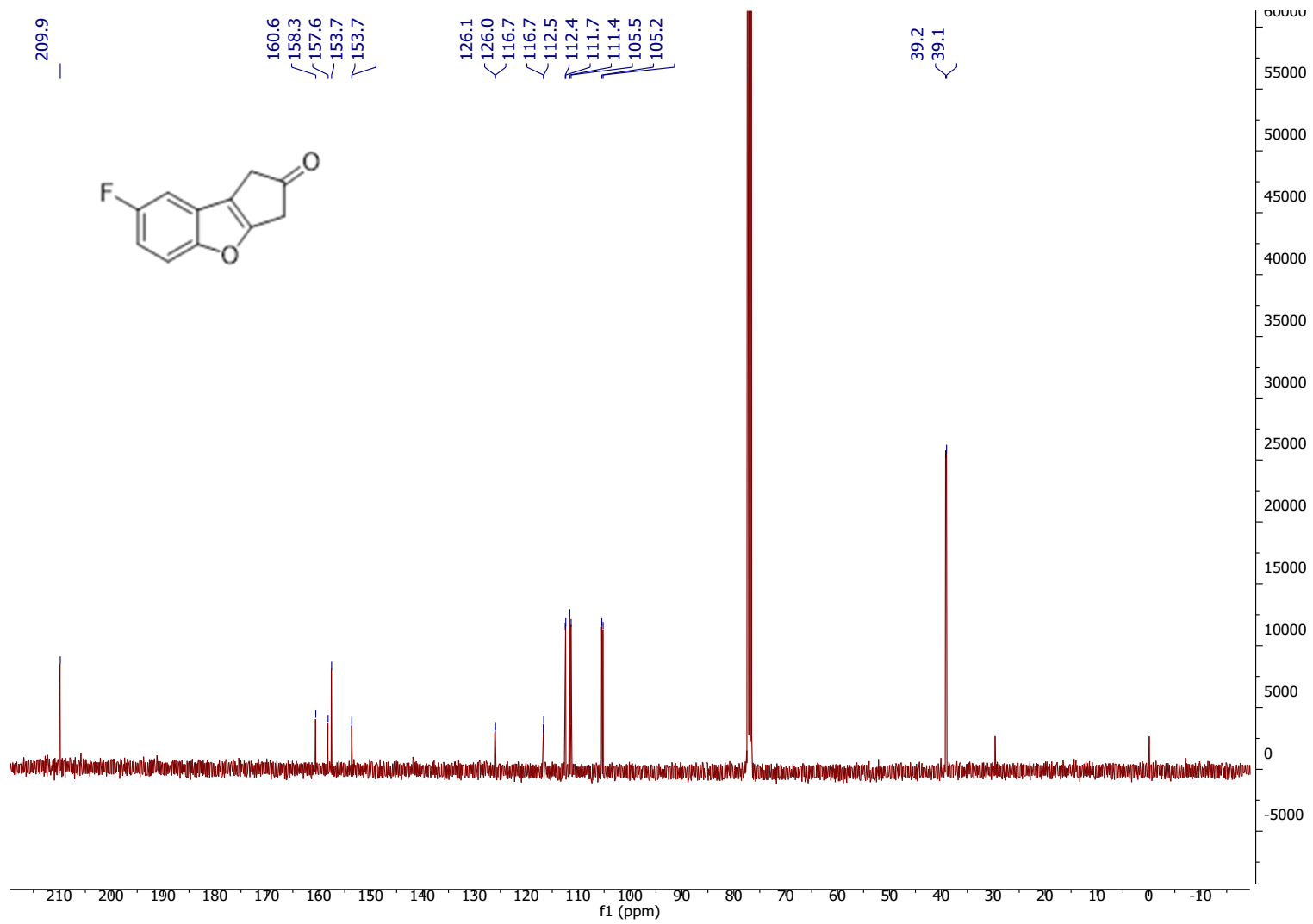
3a: 1,3-dihydro-2H-cyclopenta[b]benzofuran-2-one:



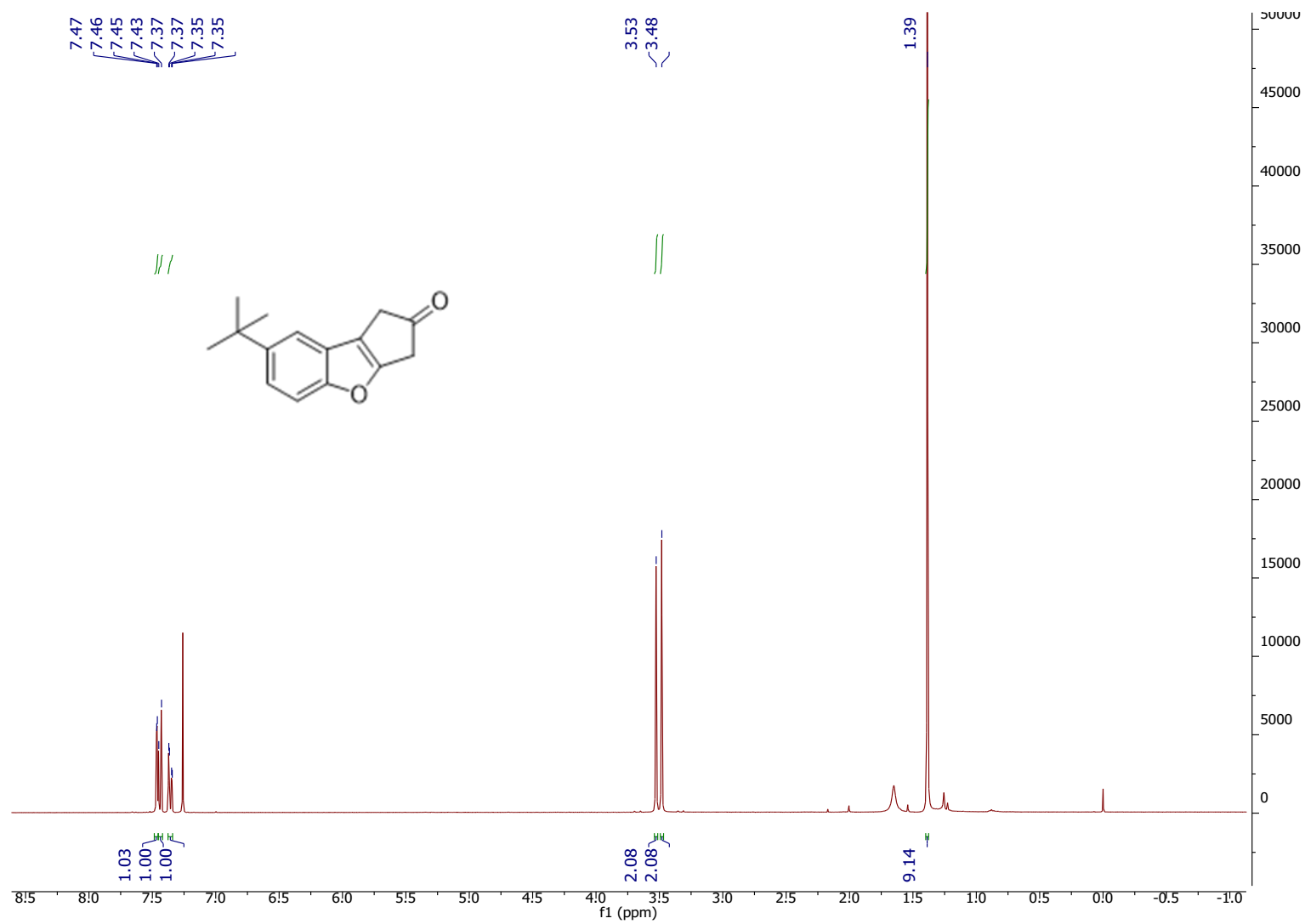


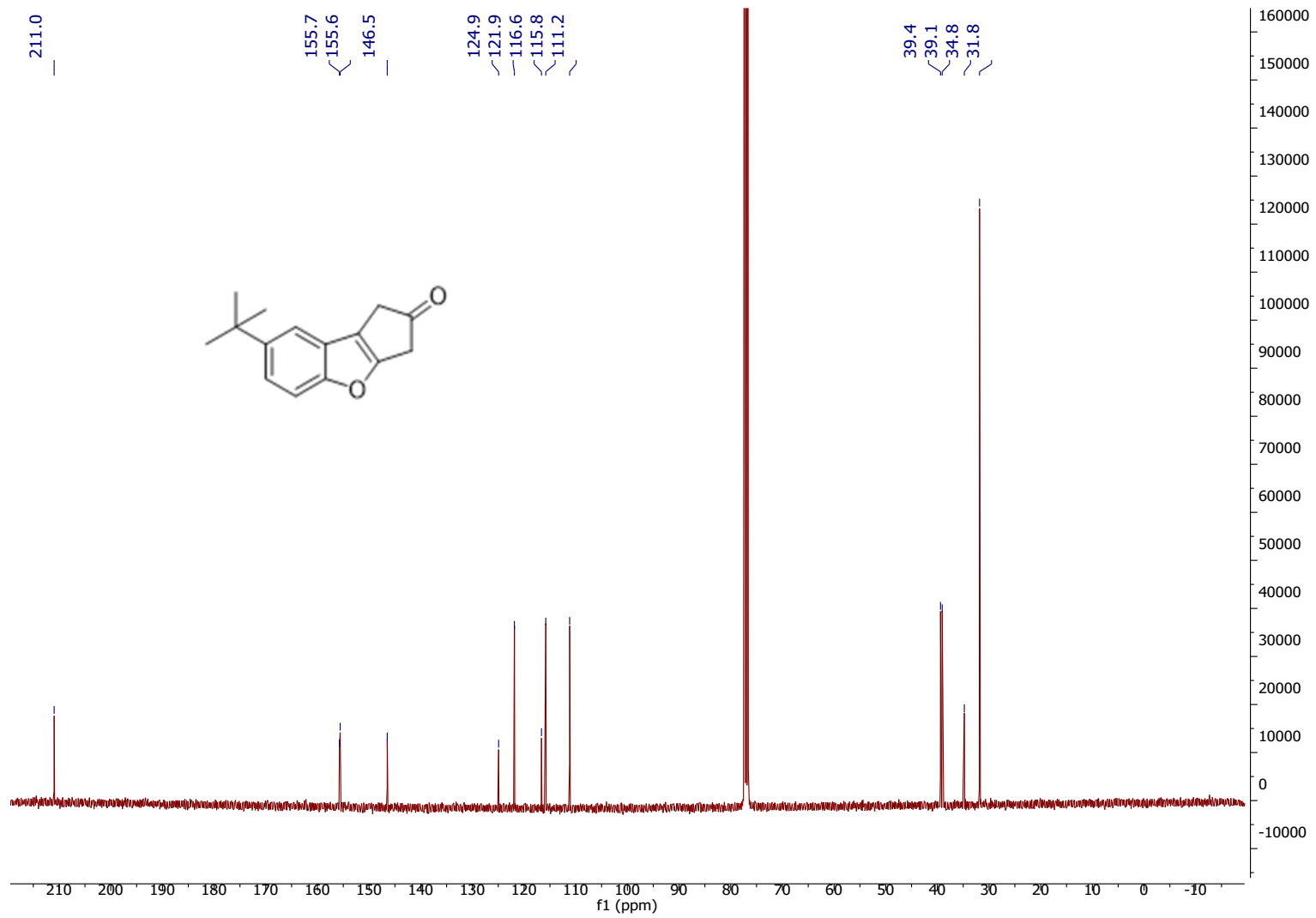
3b: 7-fluoro-1,3-dihydro-2H-cyclopenta[b]benzofuran-2-one



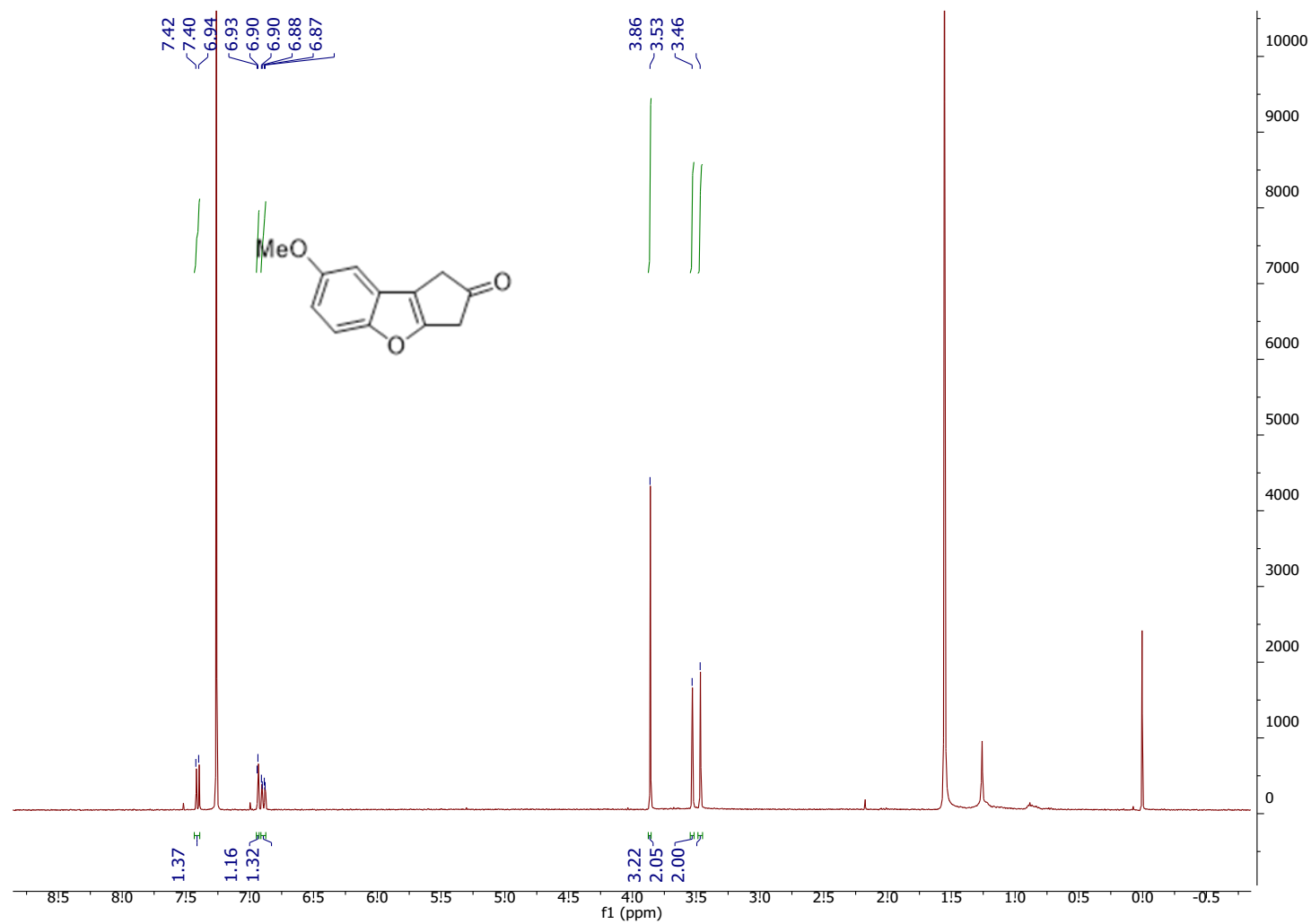


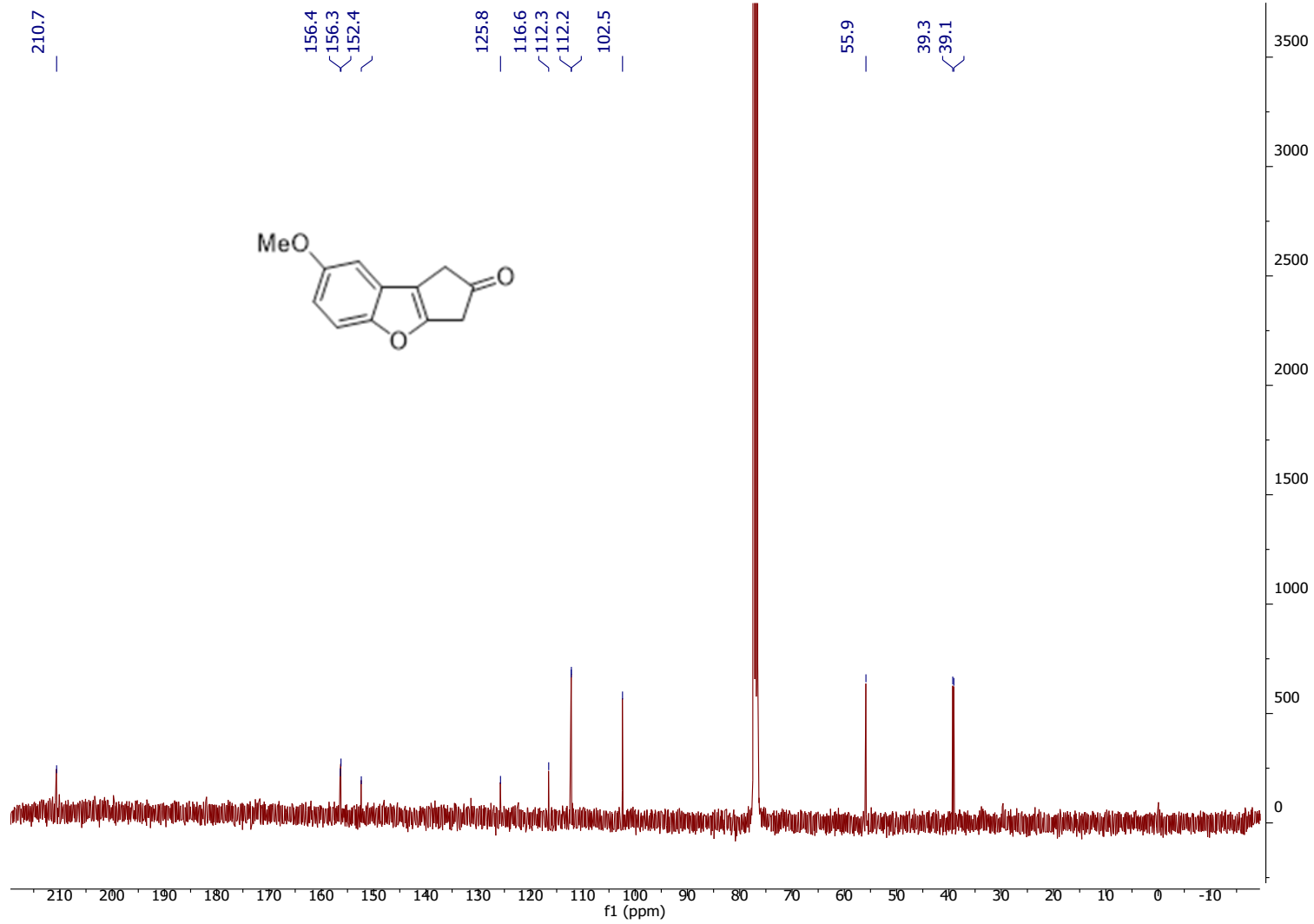
3c: 7-(*tert*-butyl)-1,3-dihydro-2*H*-cyclopenta[*b*]benzofuran-2-one



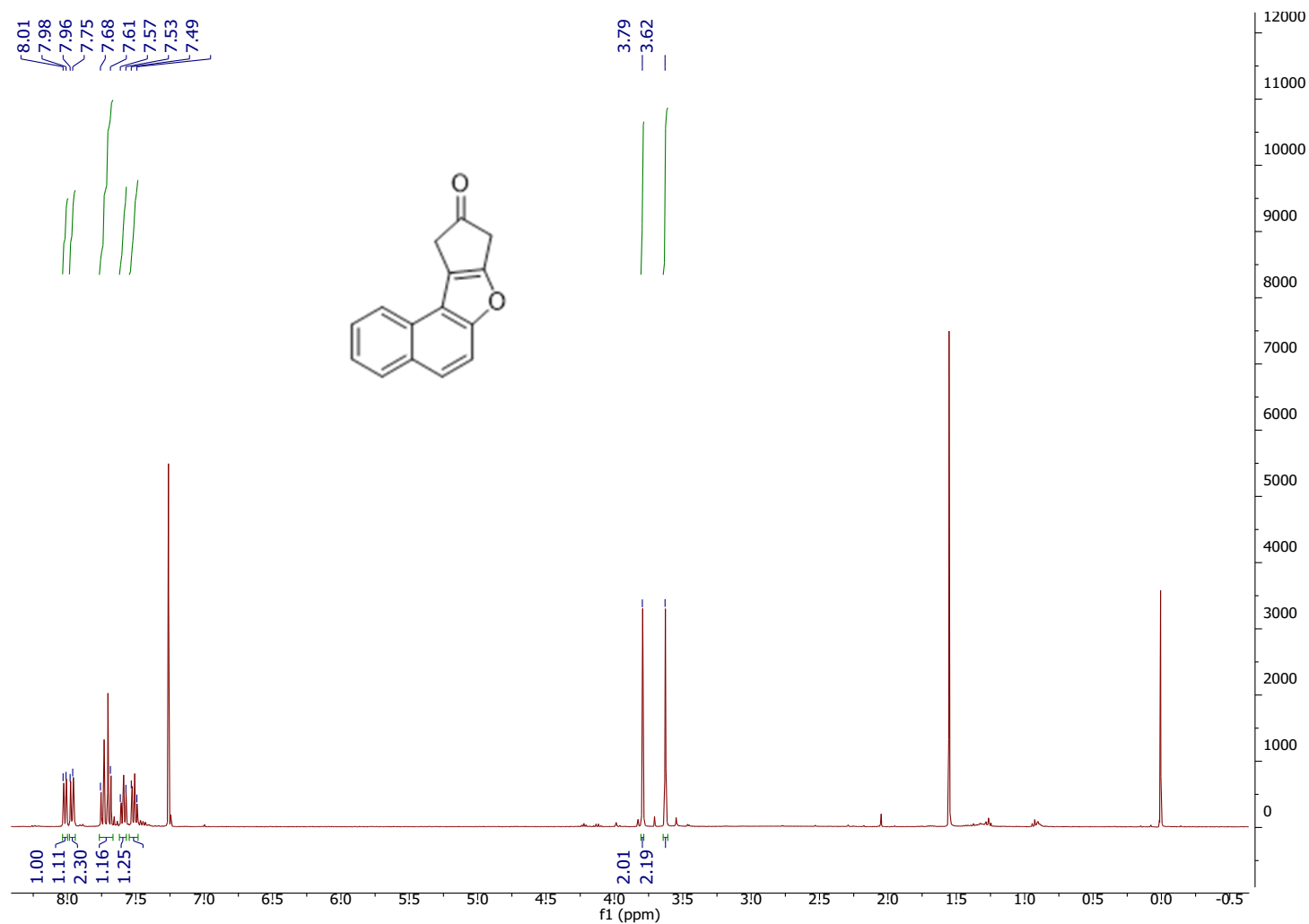


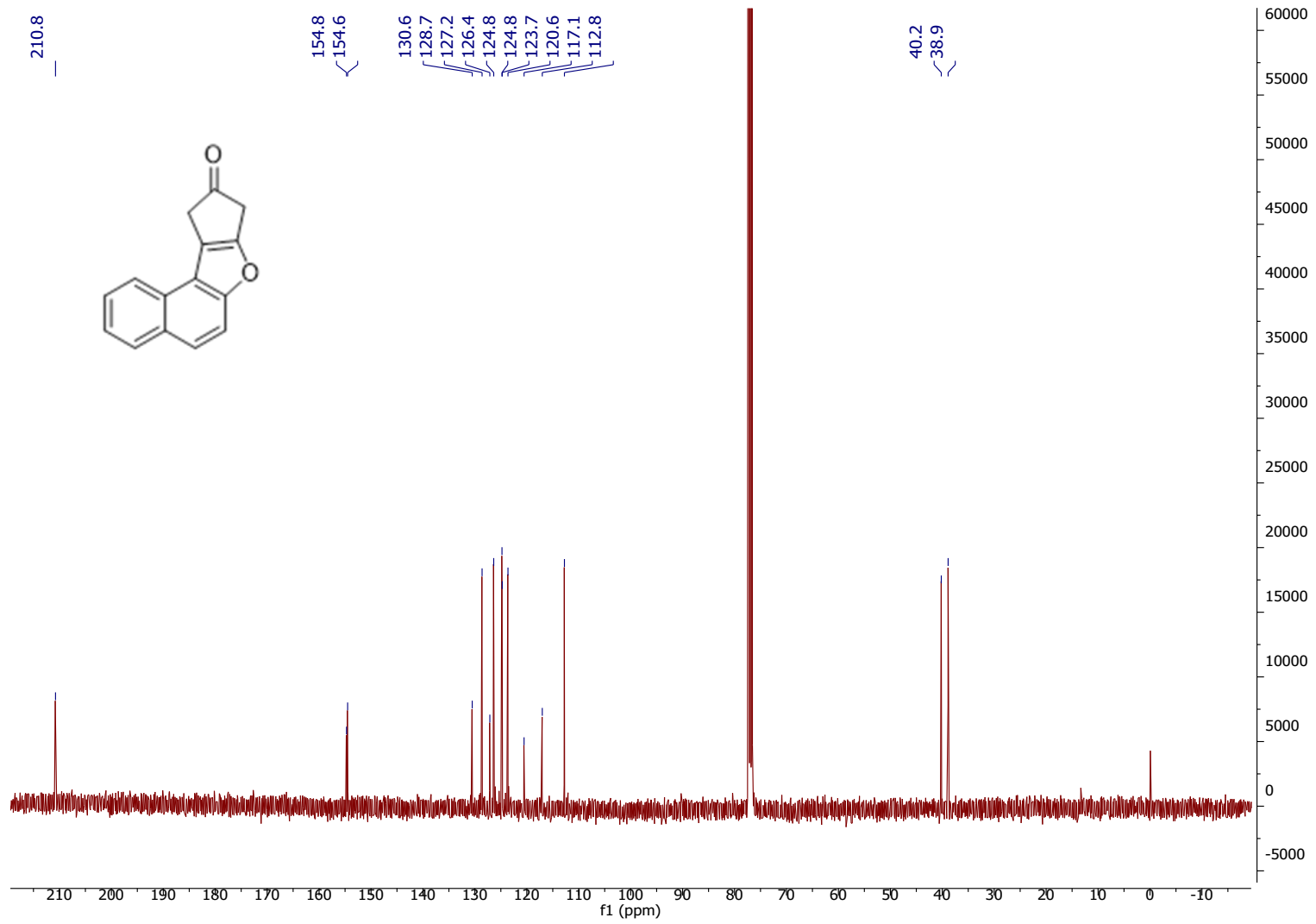
3d: 7-methoxy-1,3-dihydro-2H-cyclopenta[*b*]benzofuran-2-one



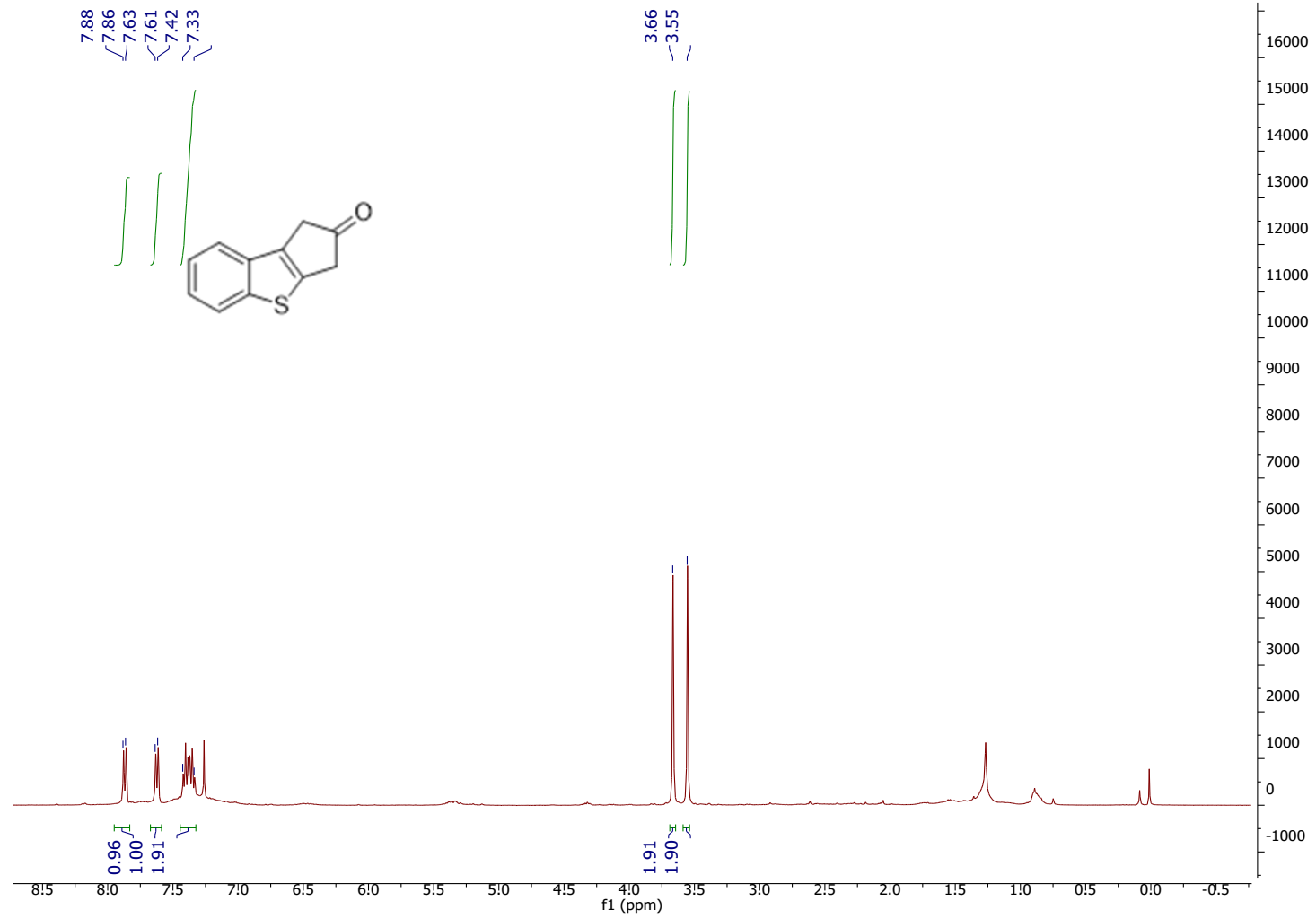


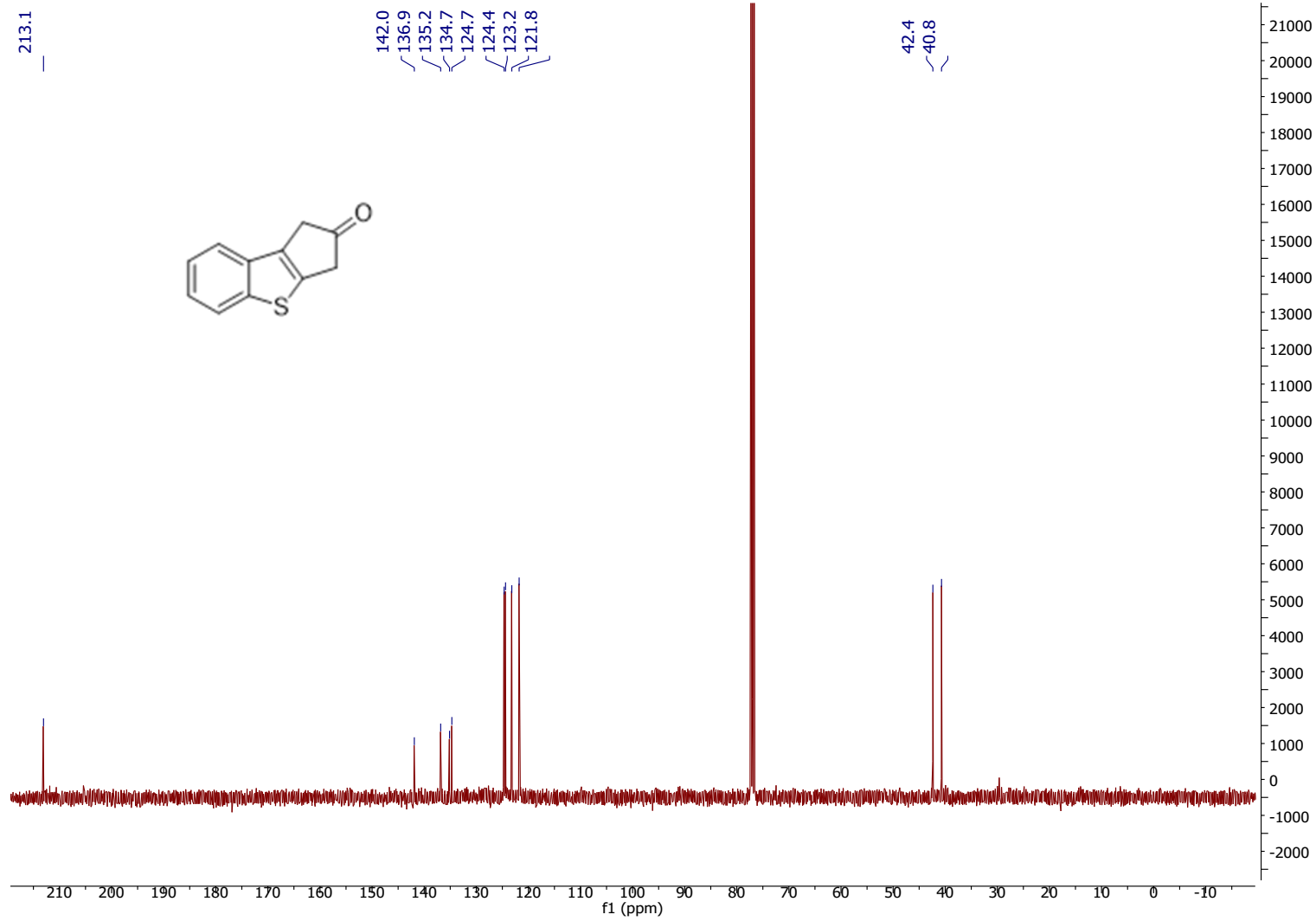
3e: 8,10-dihydro-9*H*-cyclopenta[*b*]naphtho[1,2-*d*]furan-9-one



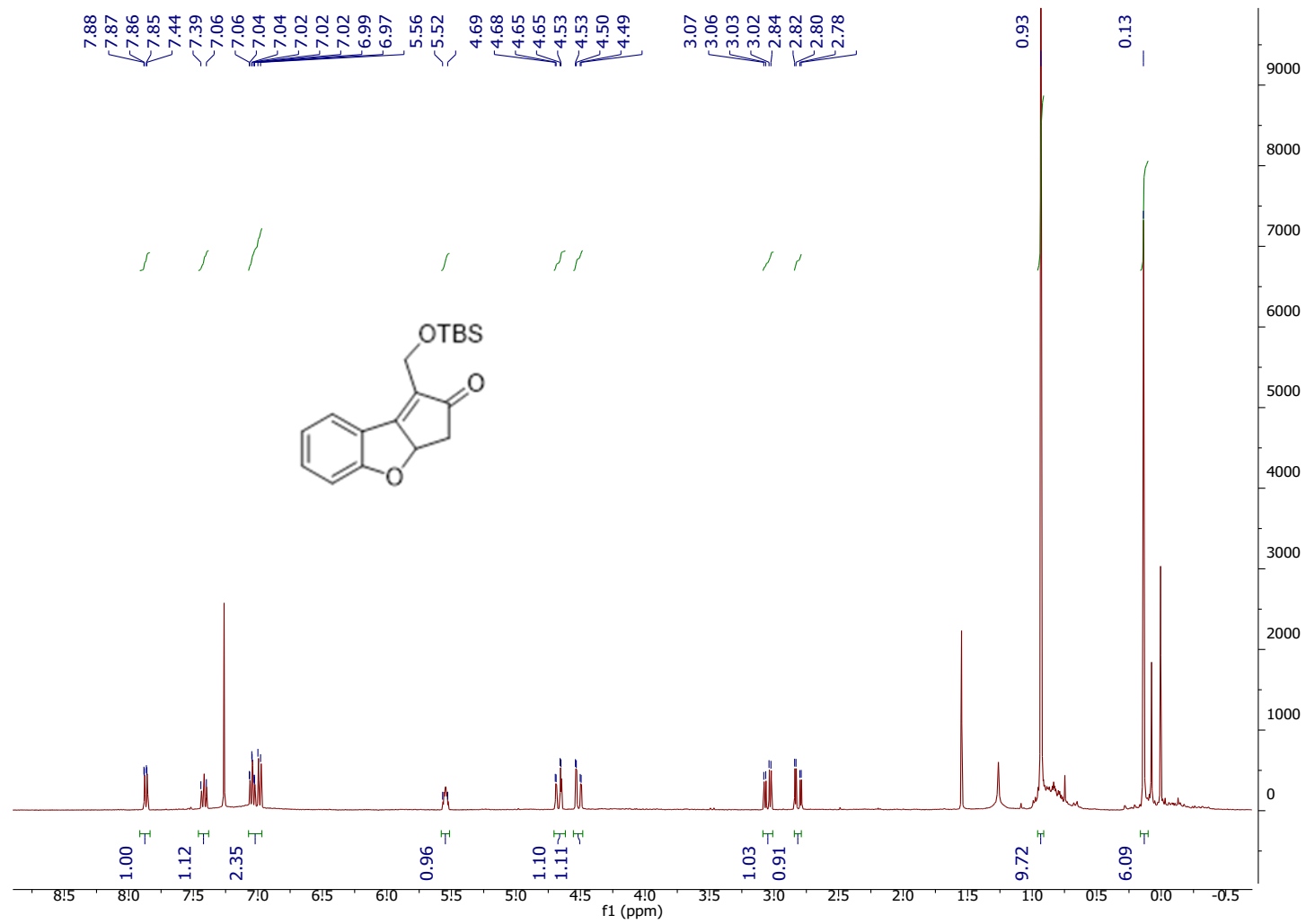


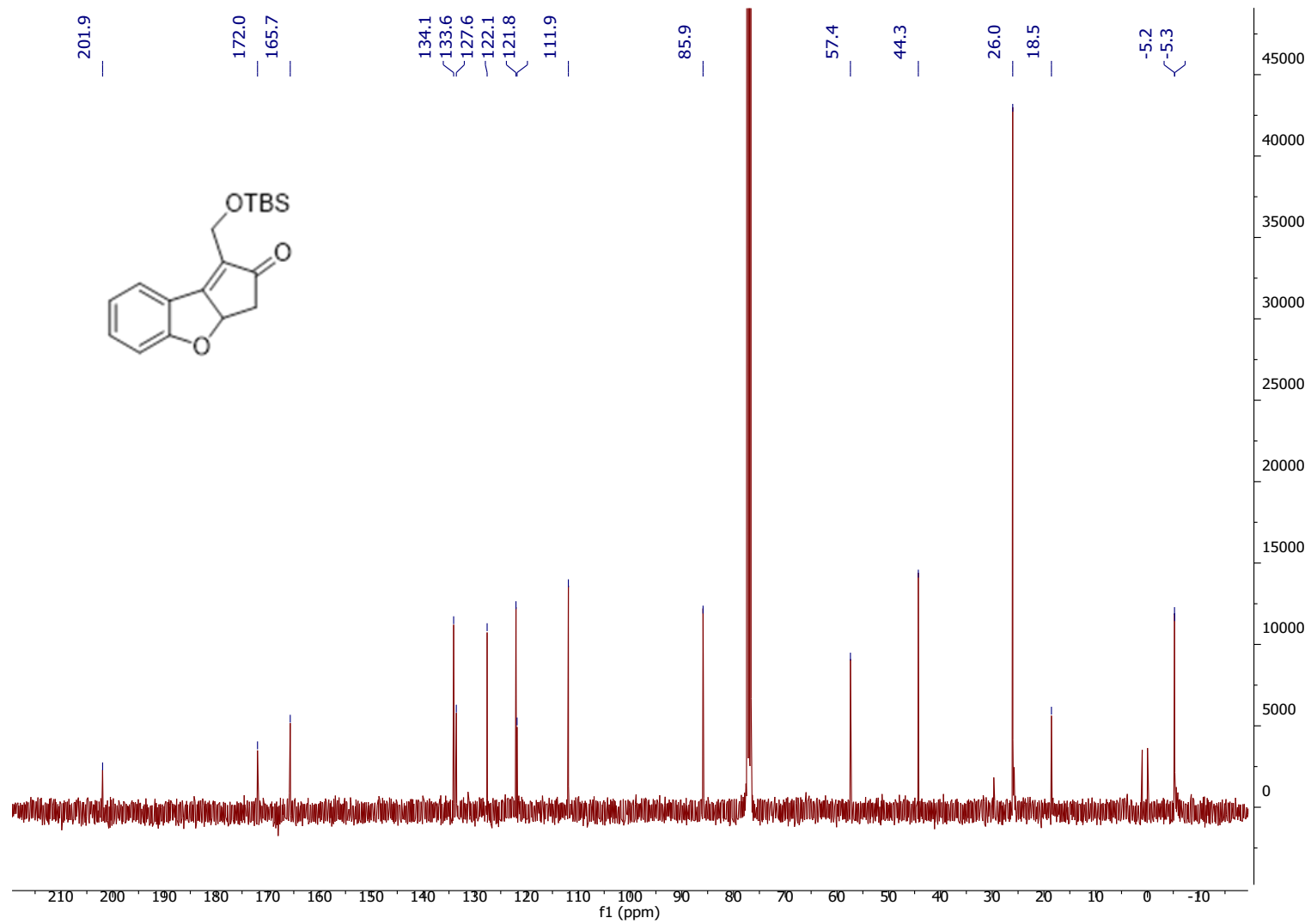
3f: 1,3-dihydro-2H-benzo[b]cyclopenta[d]thiophen-2-one



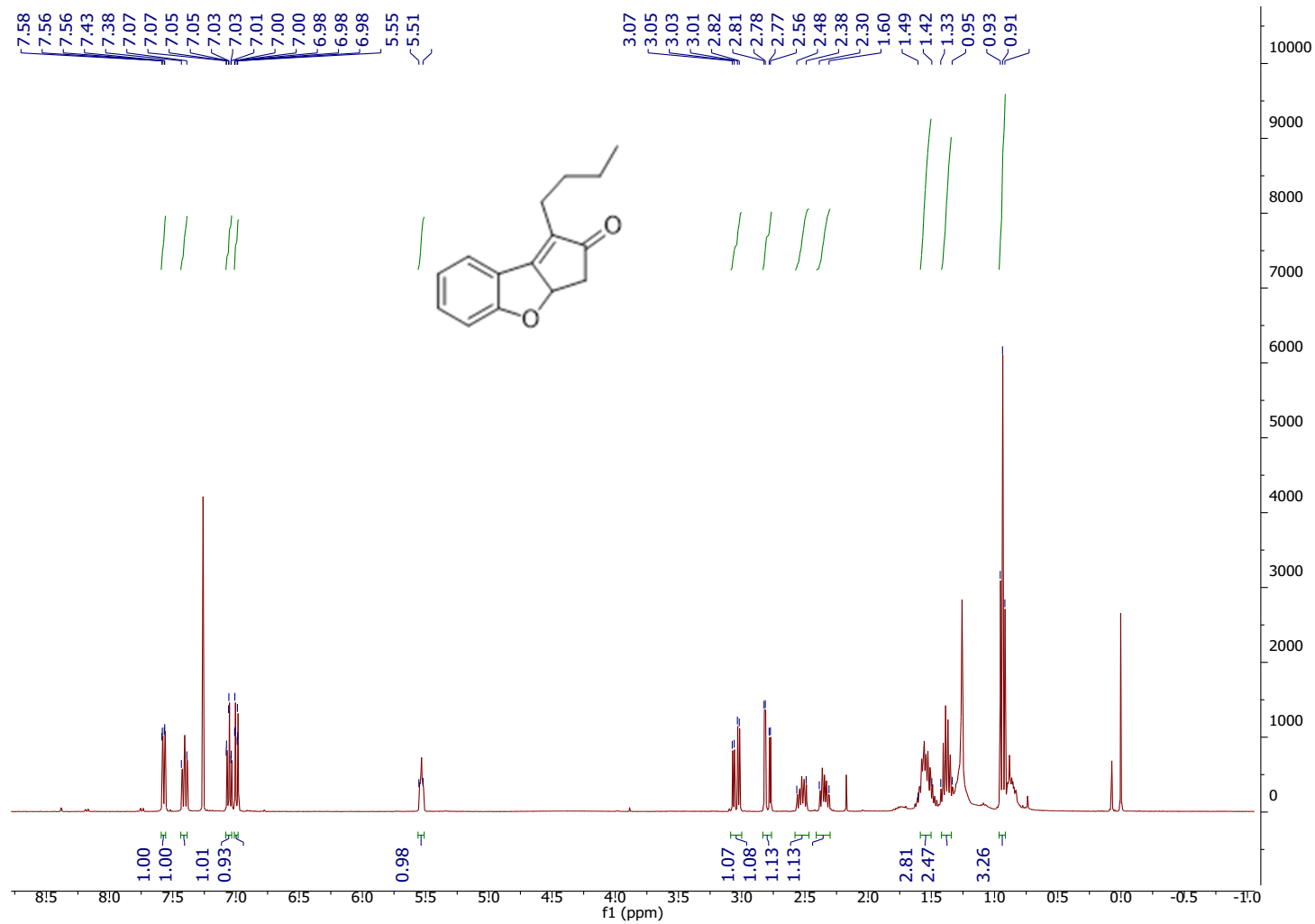


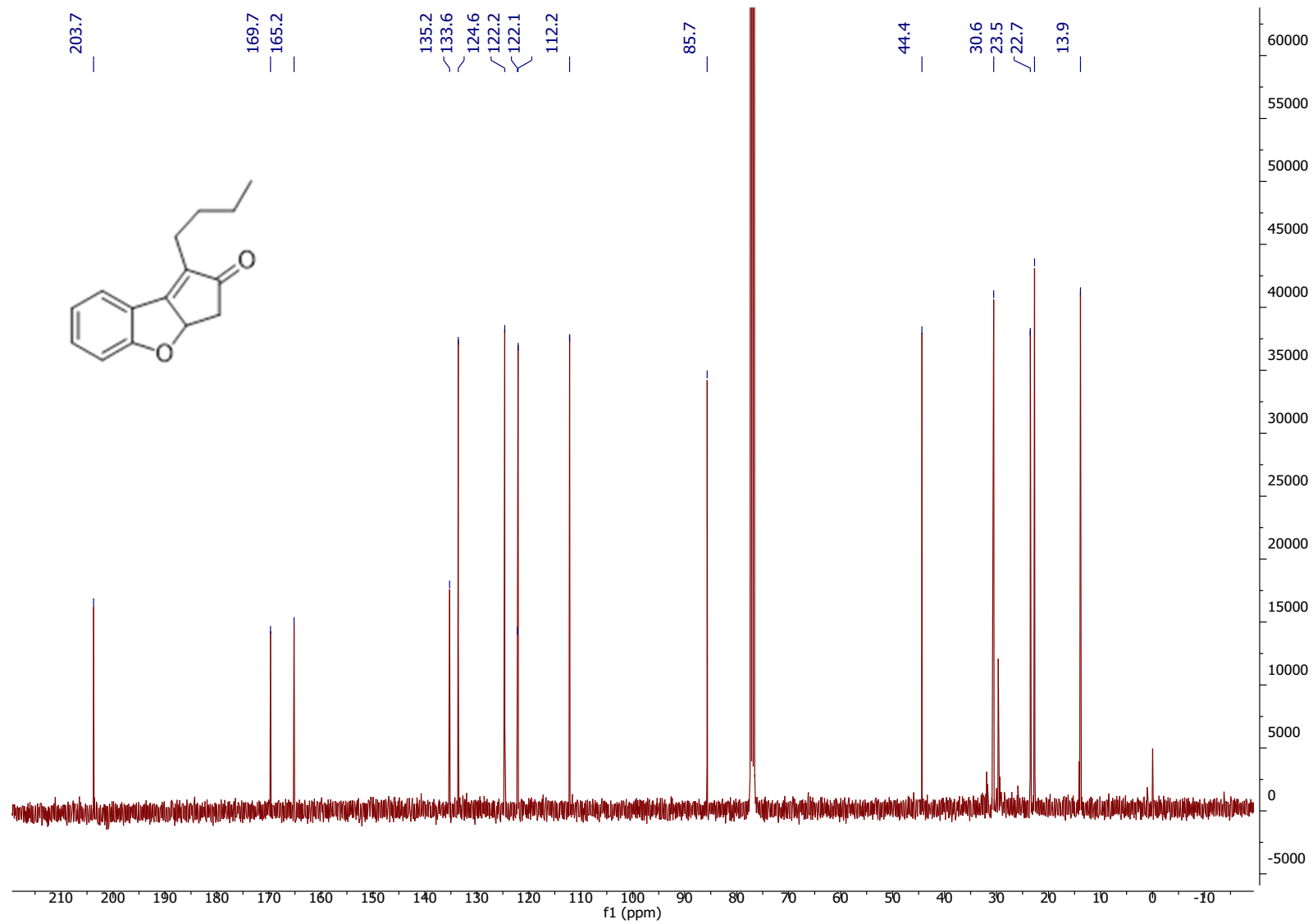
2g: 1-(((*tert*-butyldimethylsilyl)oxy)methyl)-3,3a-dihydro-2*H*-cyclopenta[*b*]benzofuran-2-one



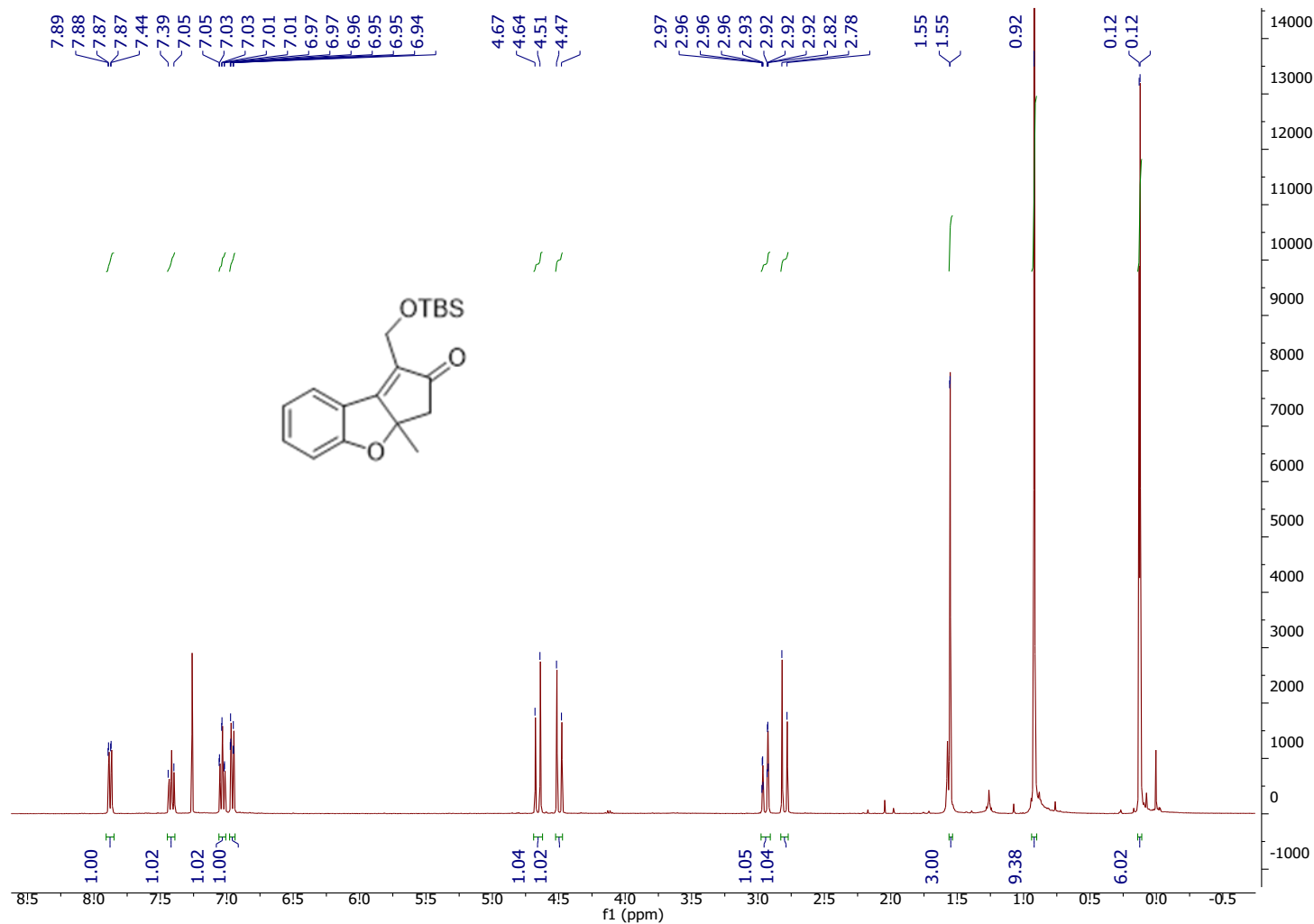


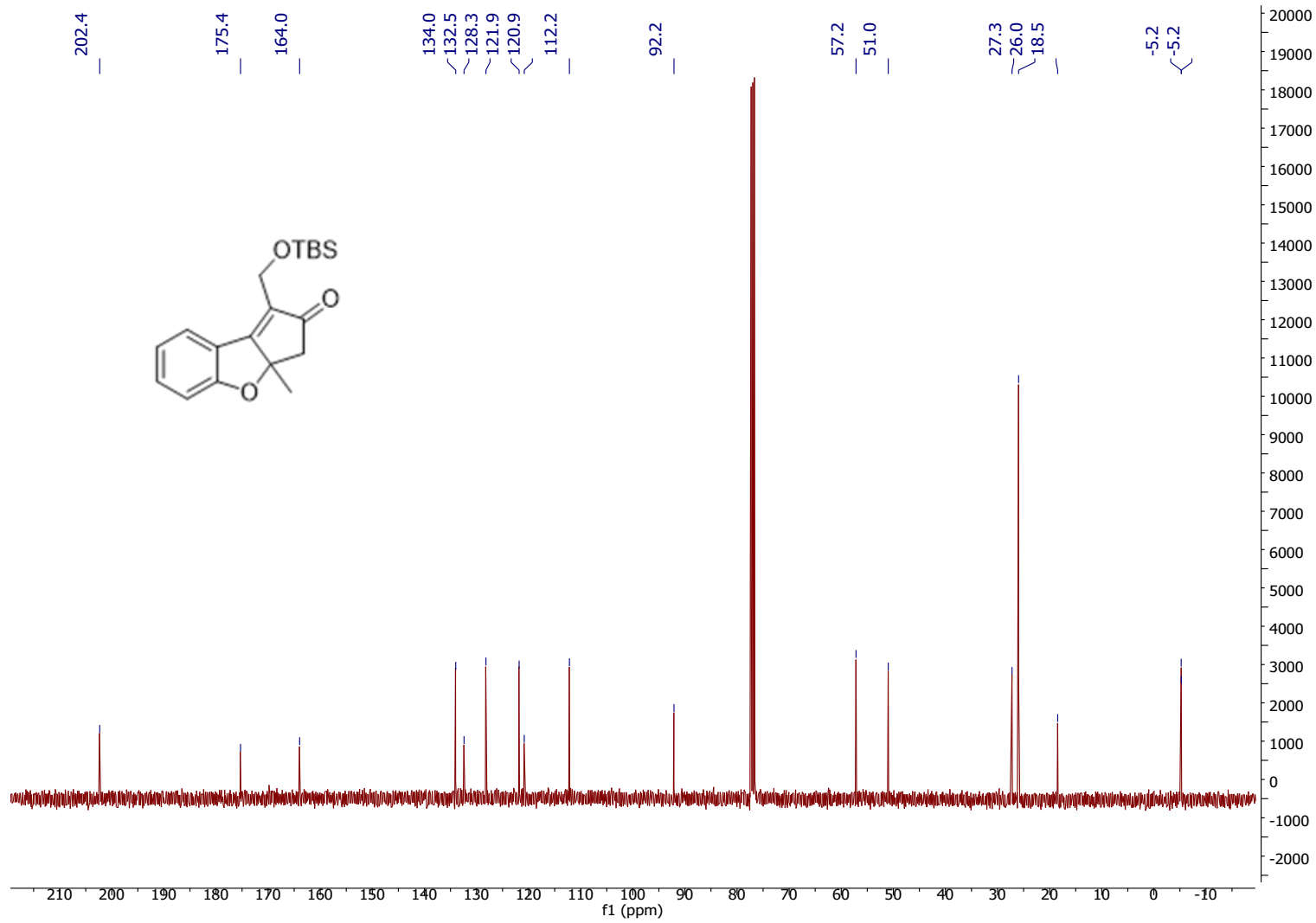
2h: 1-butyl-3,3a-dihydro-2H-cyclopenta[b]benzofuran-2-one.



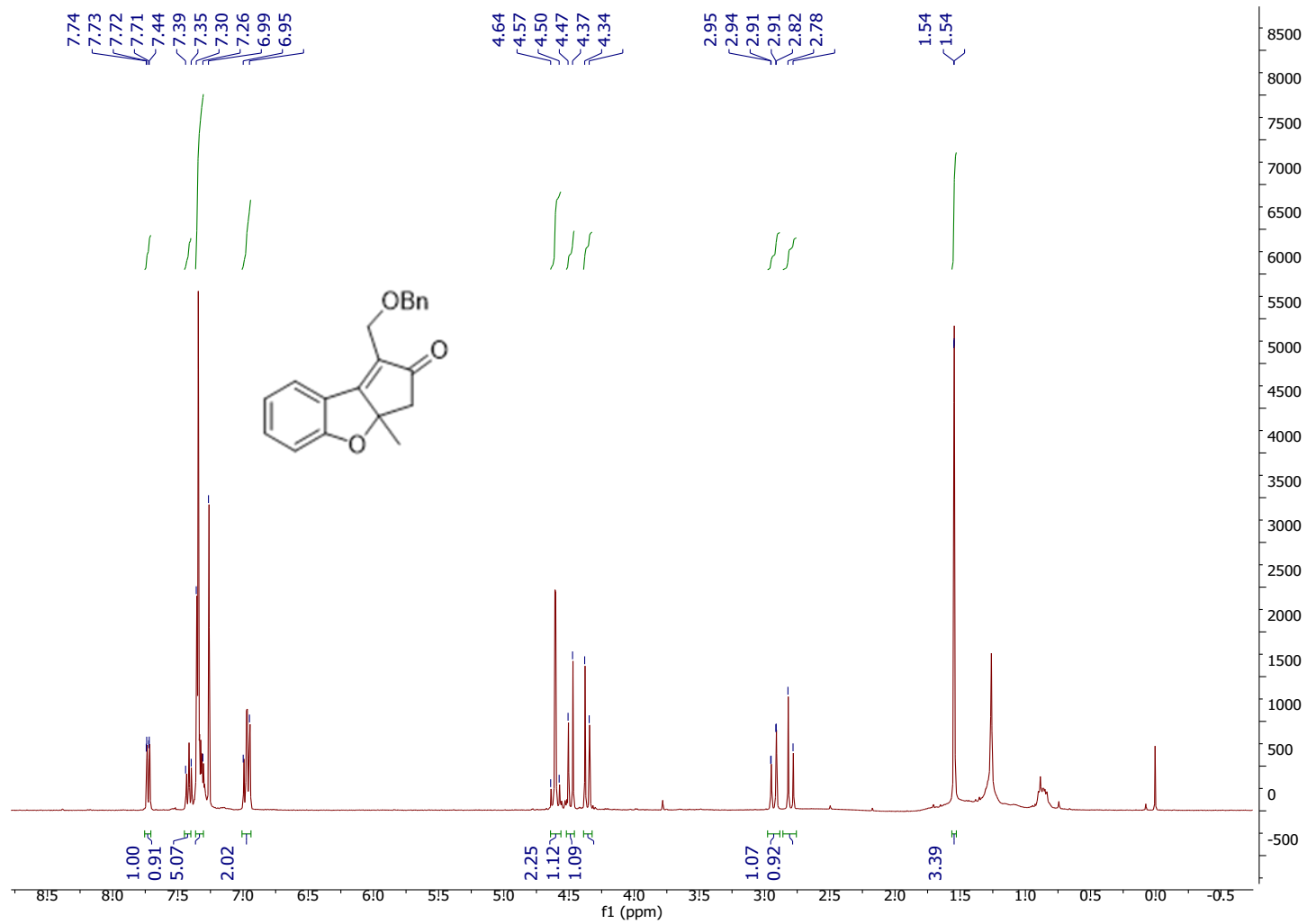


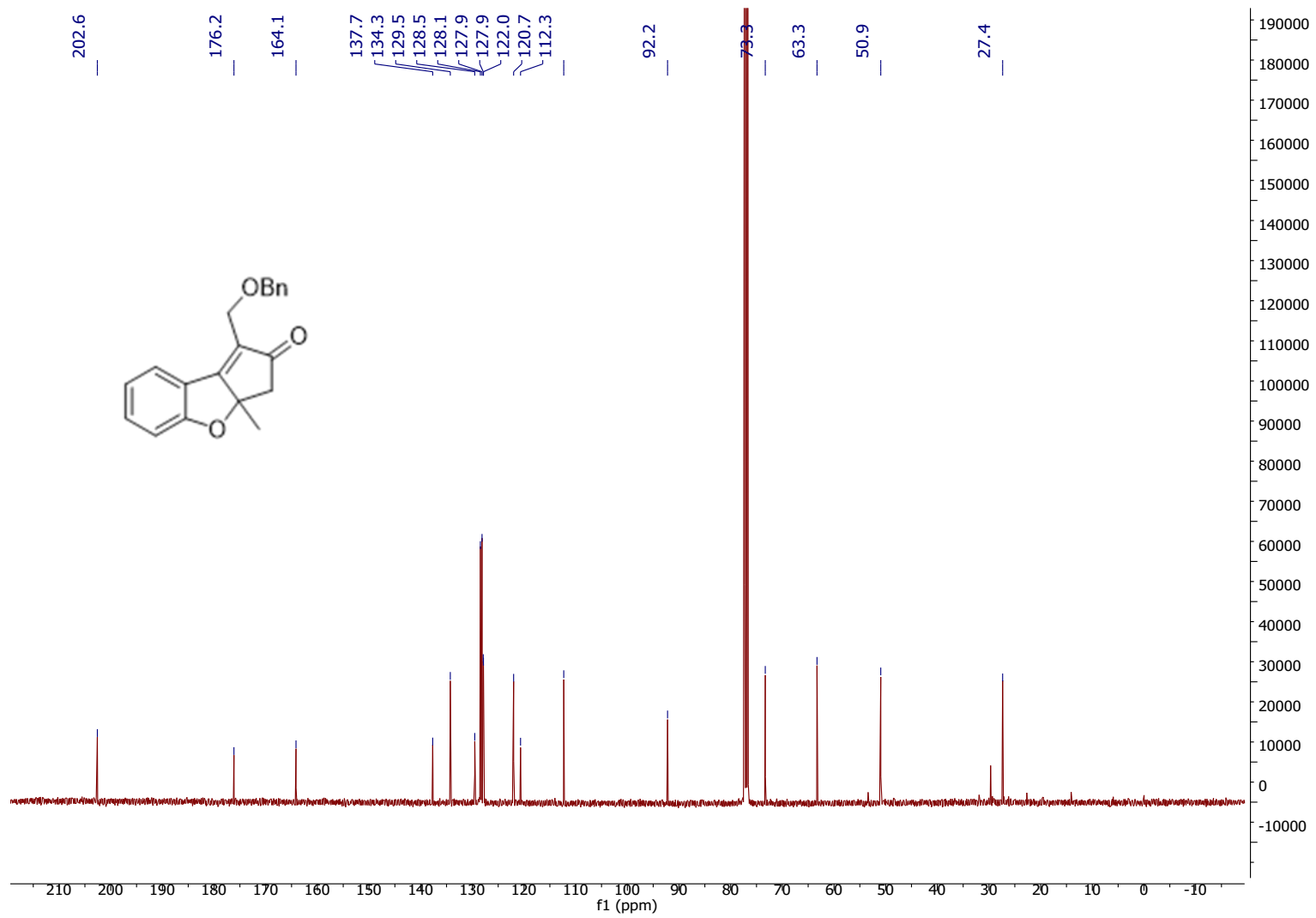
2m: 1-(((*tert*-butyldimethylsilyl)oxy)methyl)-3a-methyl-3,3a-dihydro-2*H*-cyclopenta[*b*]benzofuran-2-one.



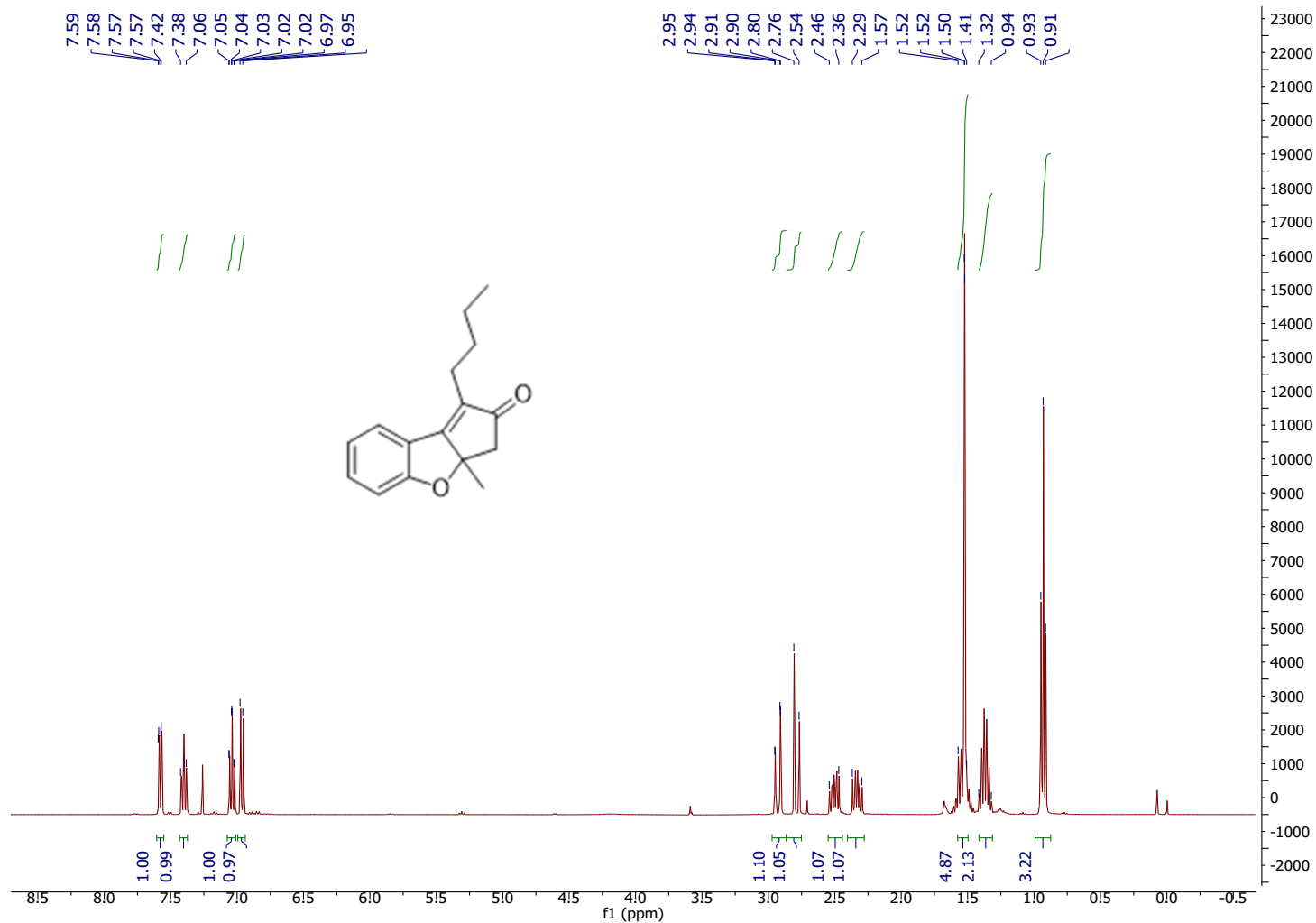


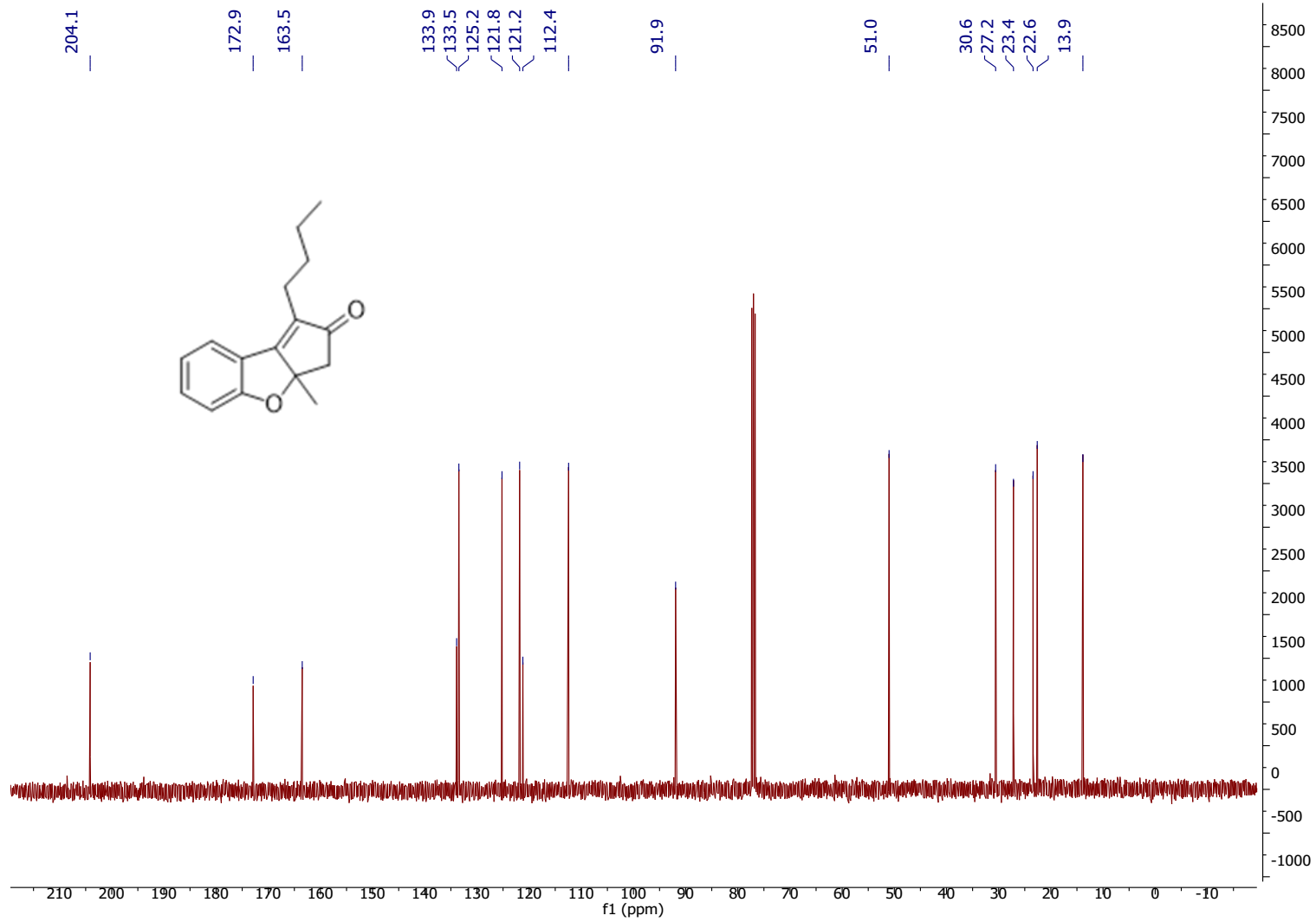
2n: 1-((benzyloxy)methyl)-3a-methyl-3,3a-dihydro-2H-cyclopenta[*b*]benzofuran-2-one.



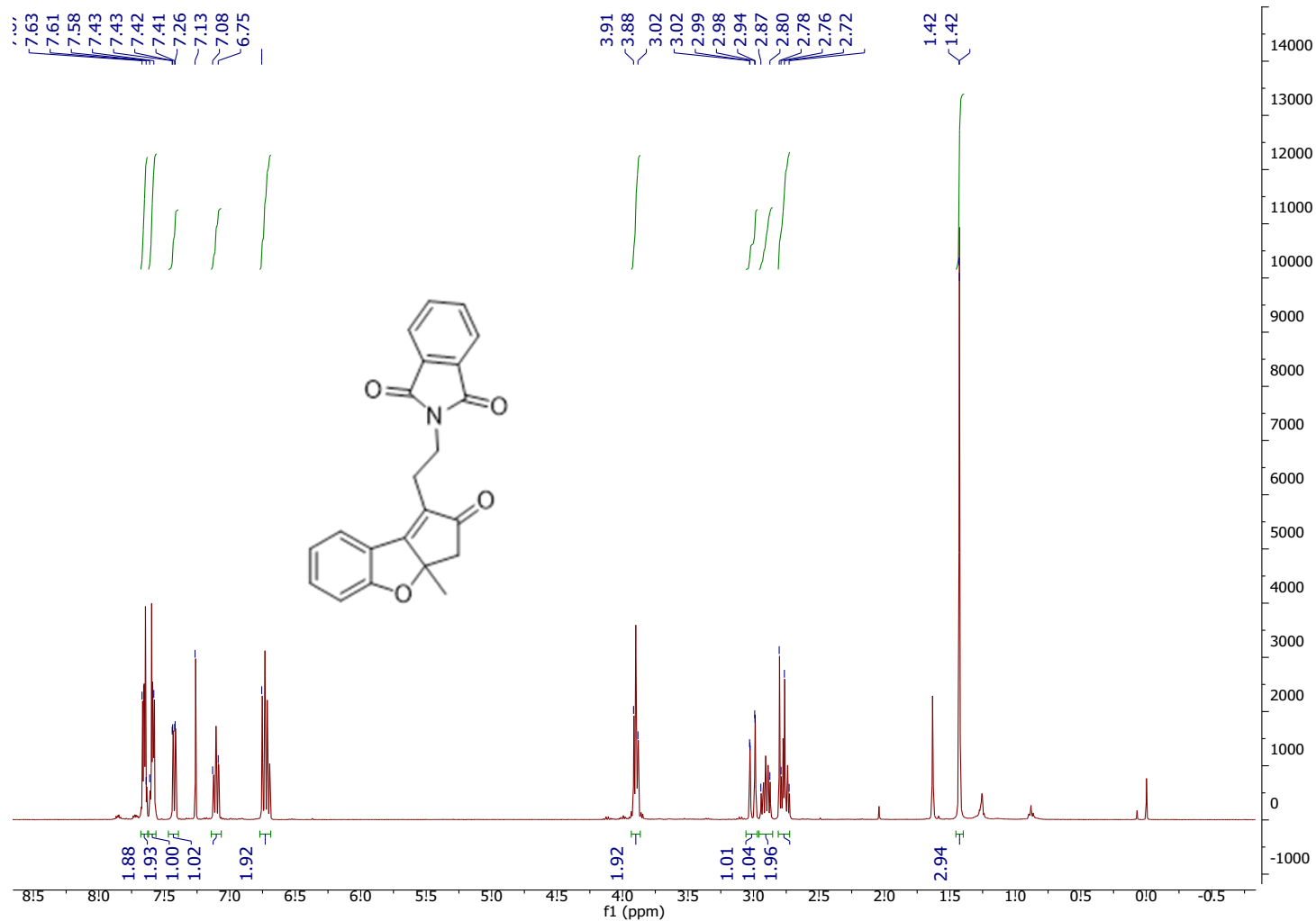


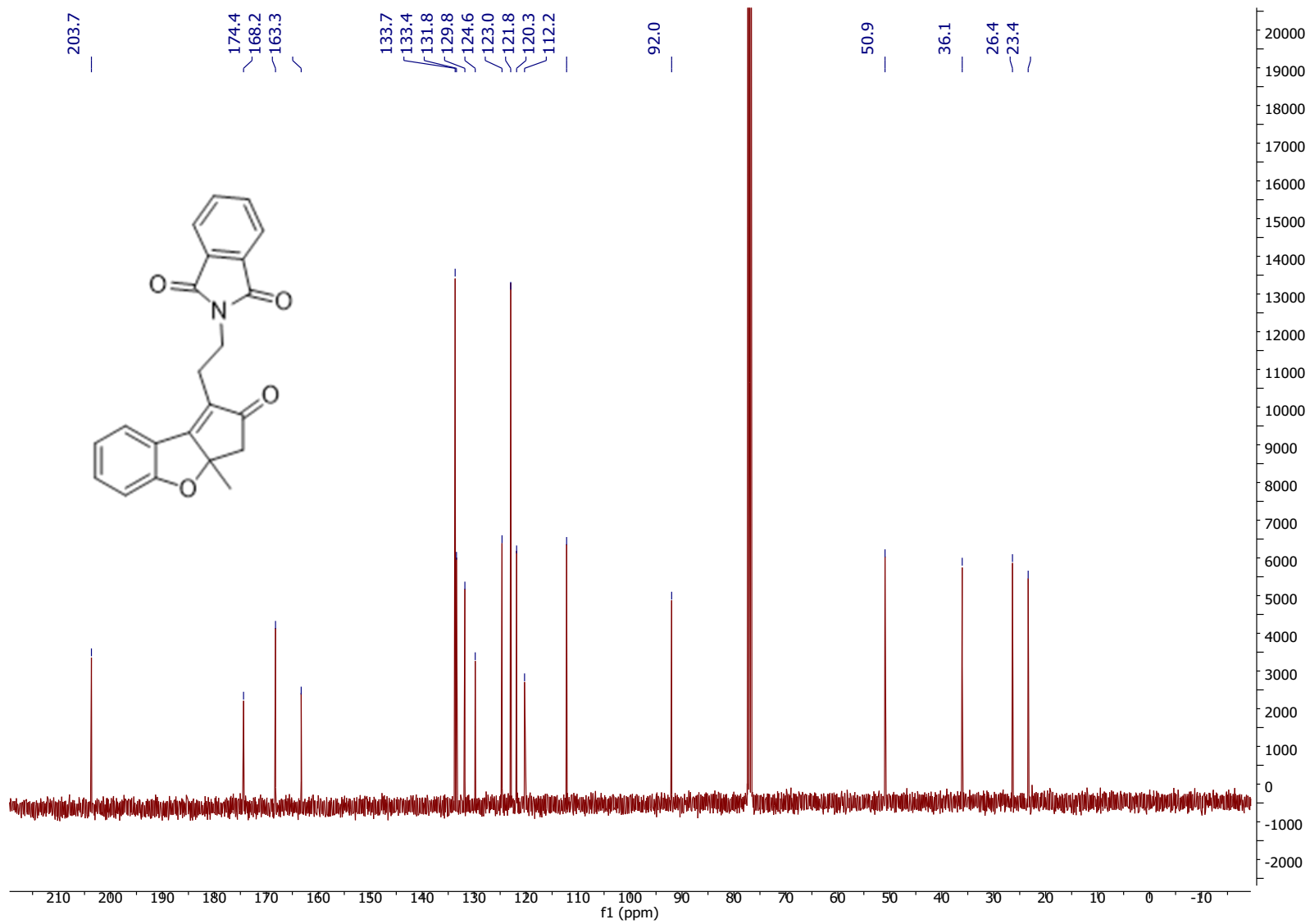
2o: 1-butyl-3a-methyl-3,3a-dihydro-2H-cyclopenta[b]benzofuran-2-one.



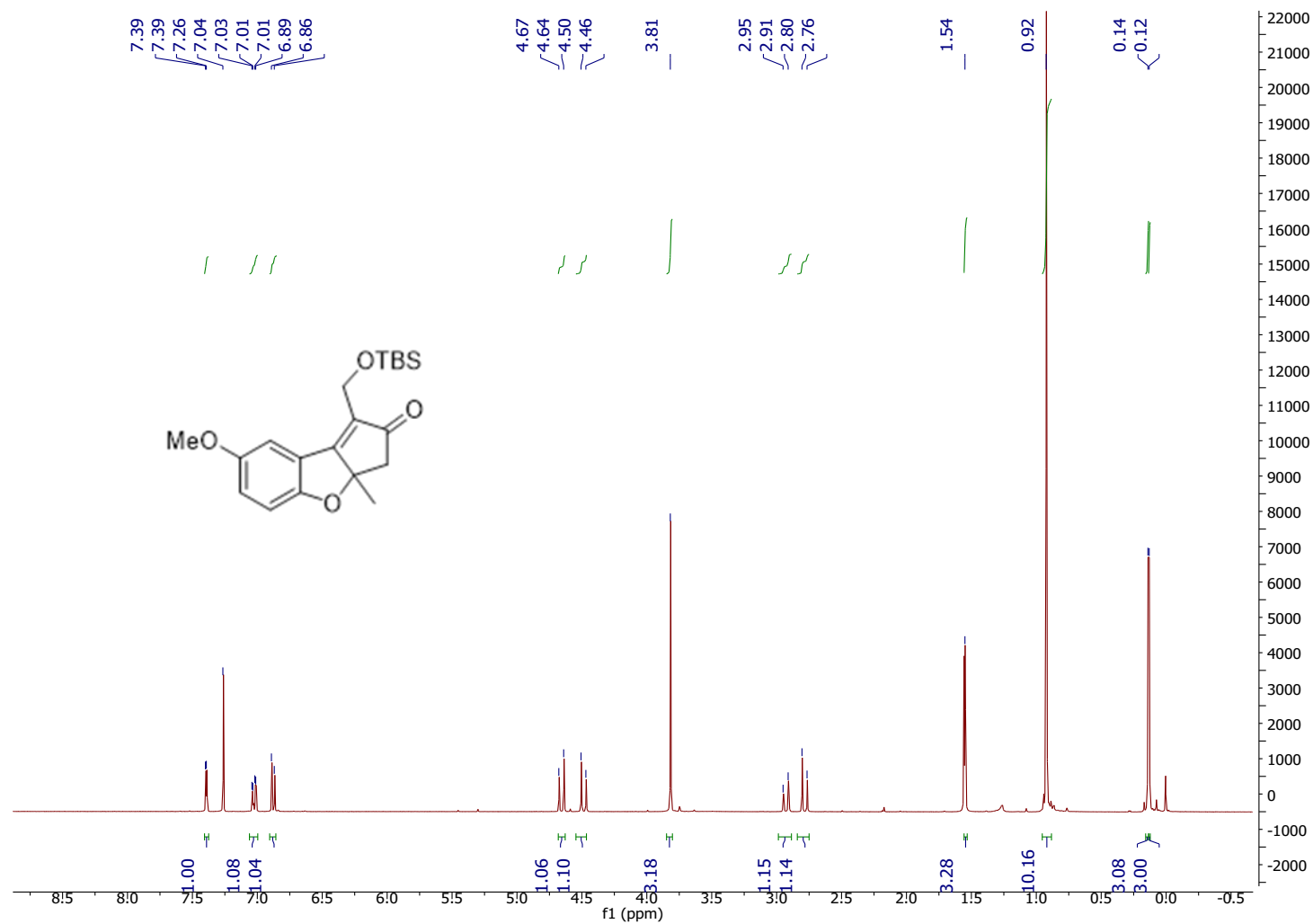


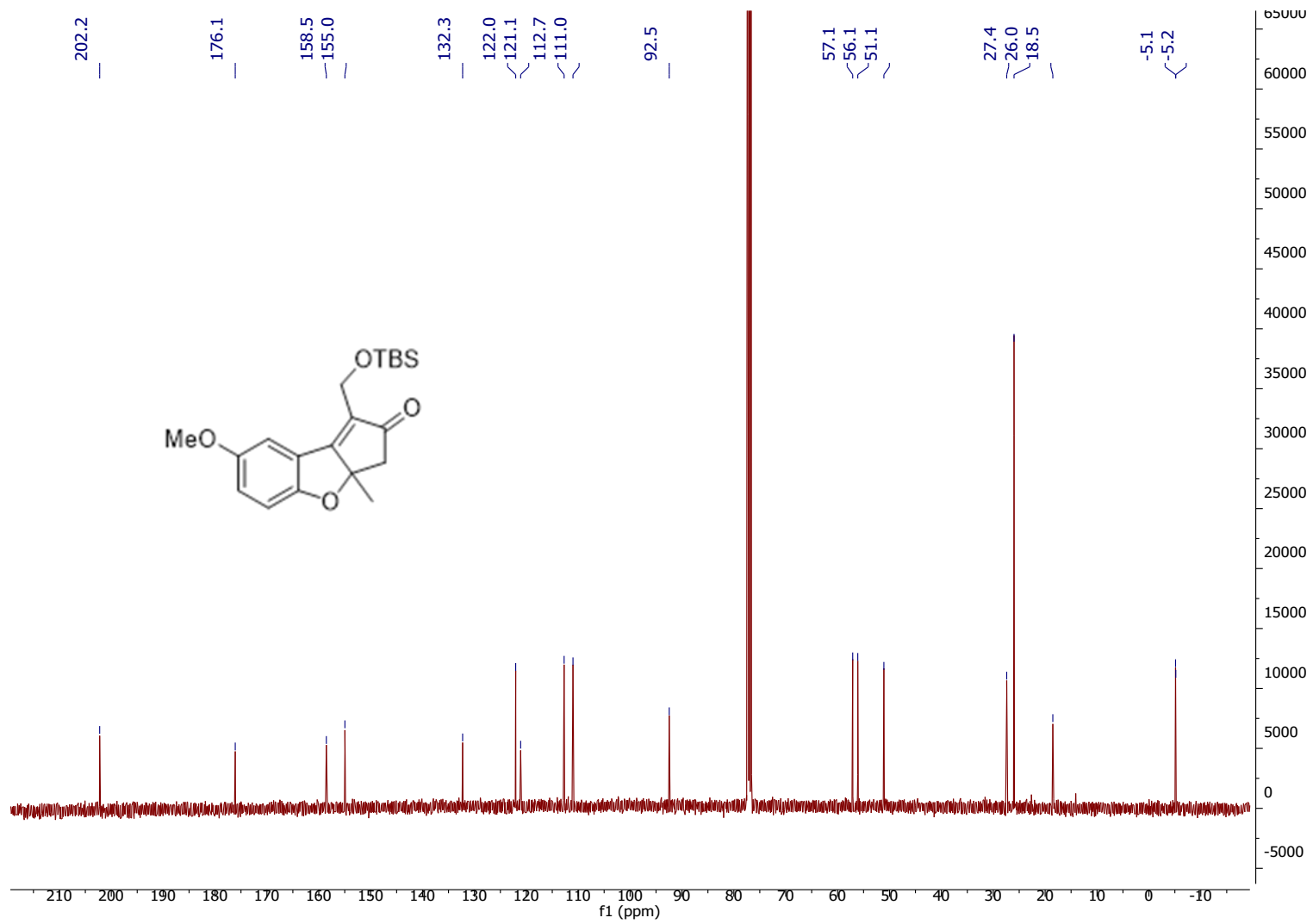
2p: 2-(2-(3a-methyl-2-oxo-3,3a-dihydro-2H-cyclopenta[b]benzofuran-1-yl)ethyl)isoindoline-1,3-dione.



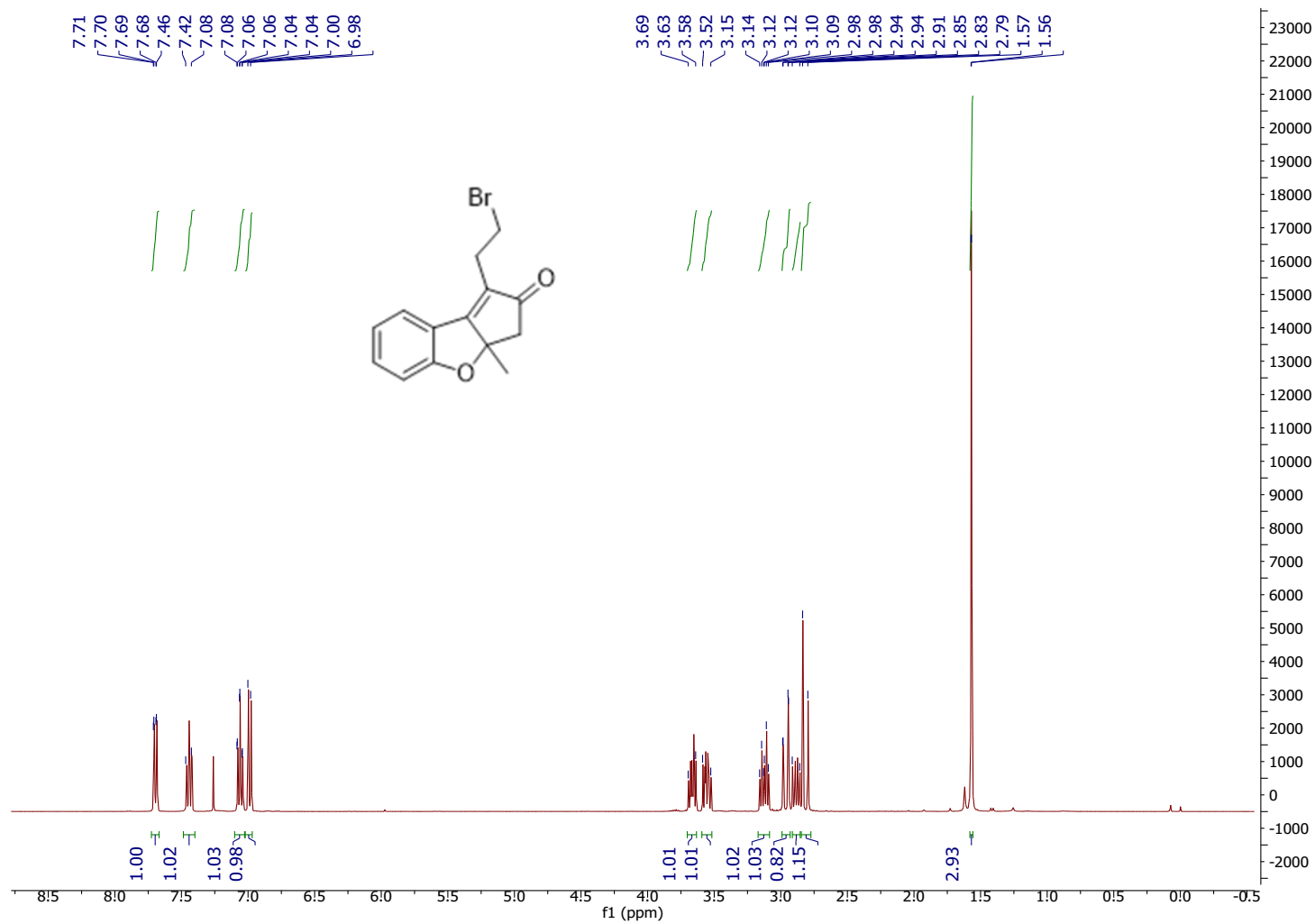


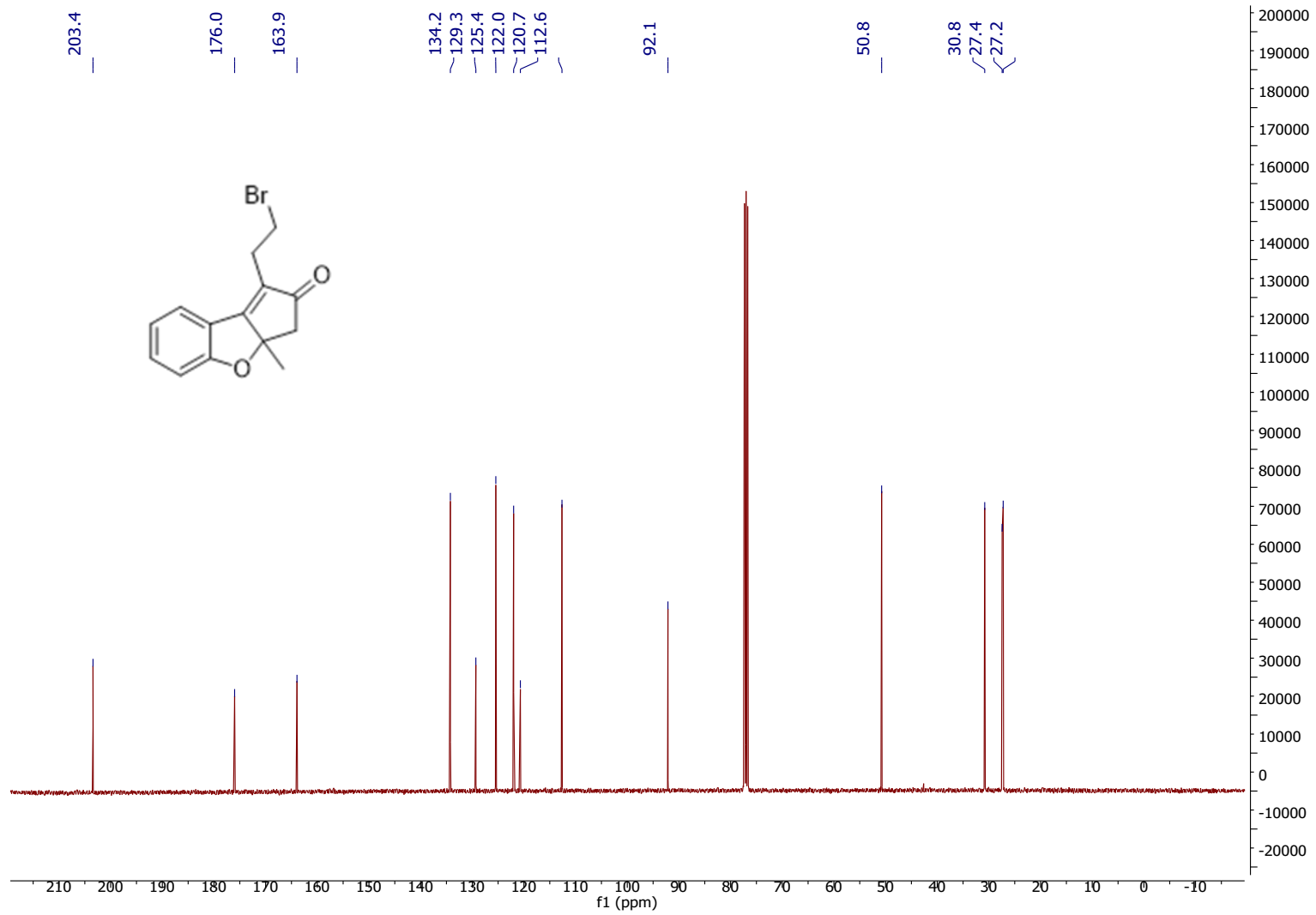
2q:1-(((*tert*-butyldimethylsilyl)oxy)methyl)-7-methoxy-3a-methyl-3,3a-dihydro-2*H*-cyclopenta[*b*]benzofuran-2-one.



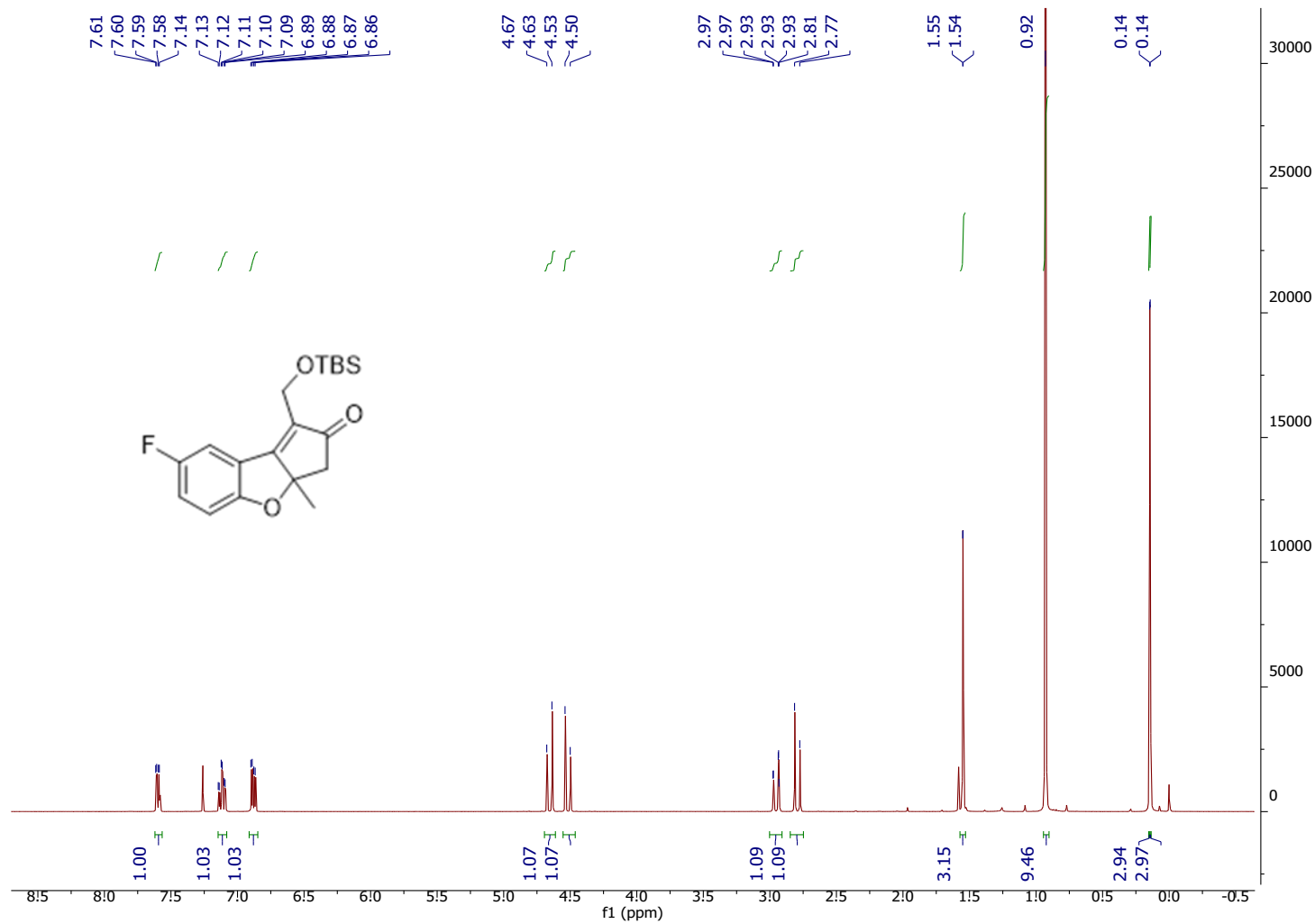


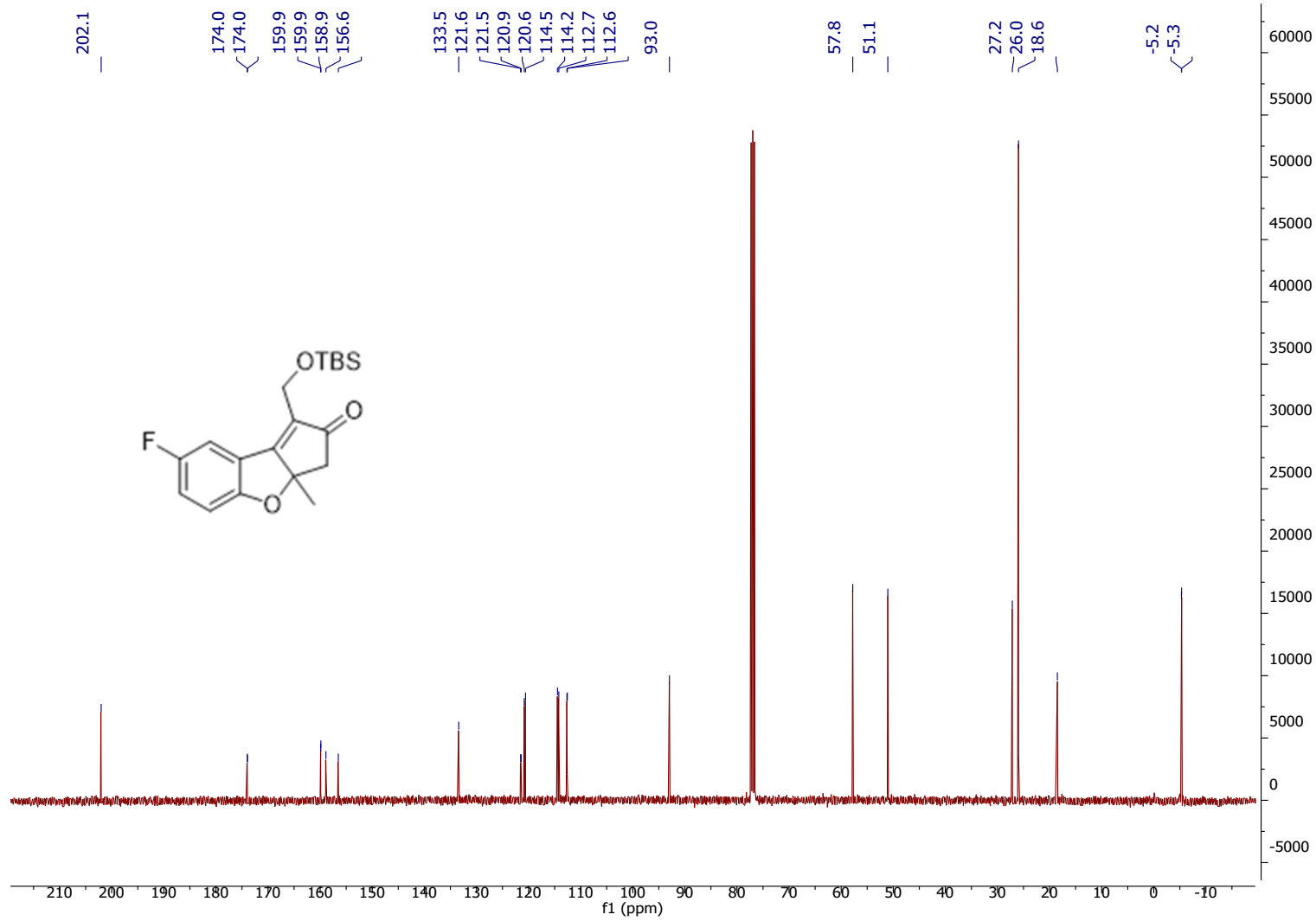
2r: 1-(2-bromoethyl)-3a-methyl-3,3a-dihydro-2H-cyclopenta[b]benzofuran-2-one



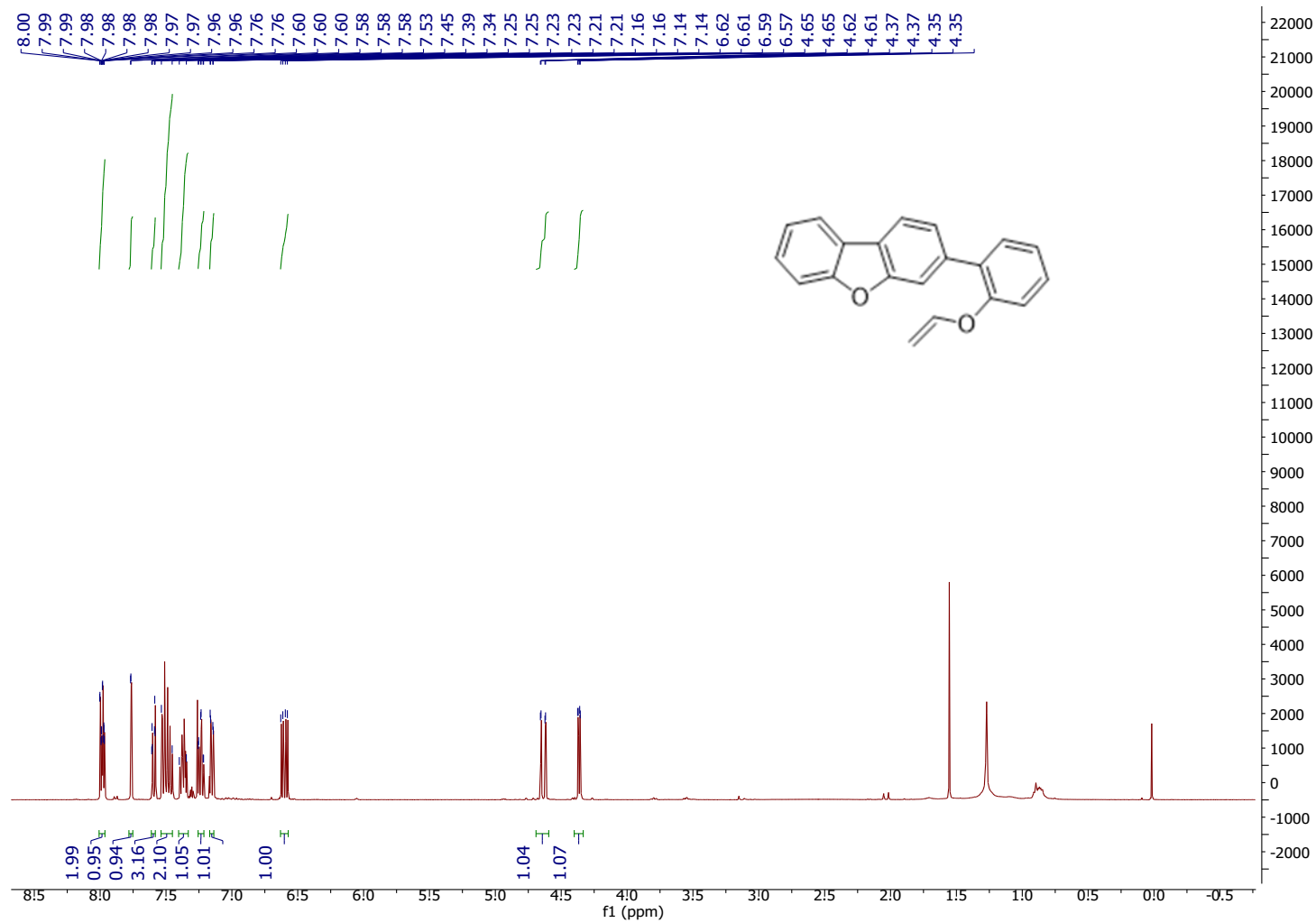


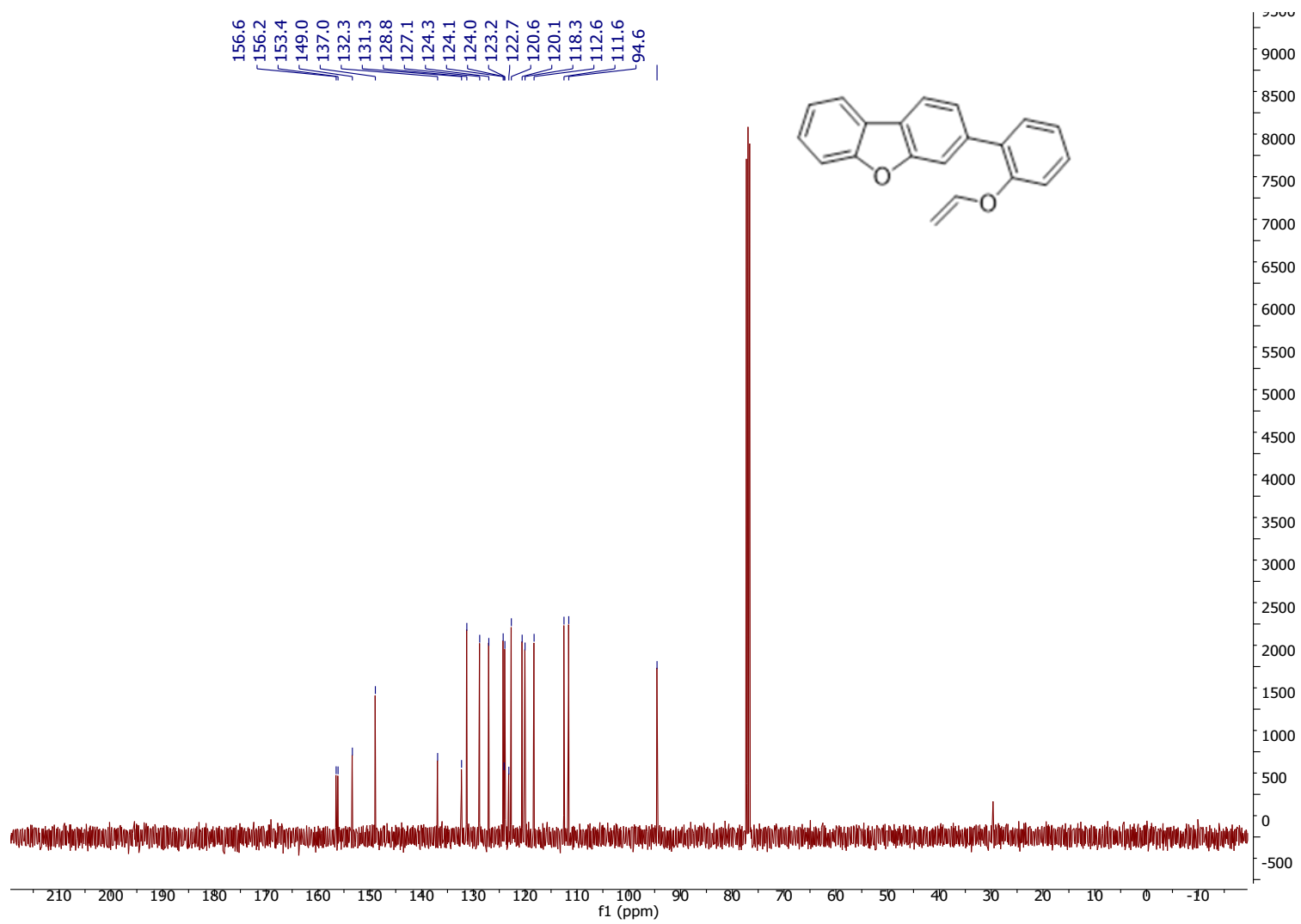
2s: 1-(((*tert*-butyldimethylsilyl)oxy)methyl)-7-fluoro-3a-methyl-3,3a-dihydro-2*H*-cyclopenta[*b*]benzofuran-2-one.



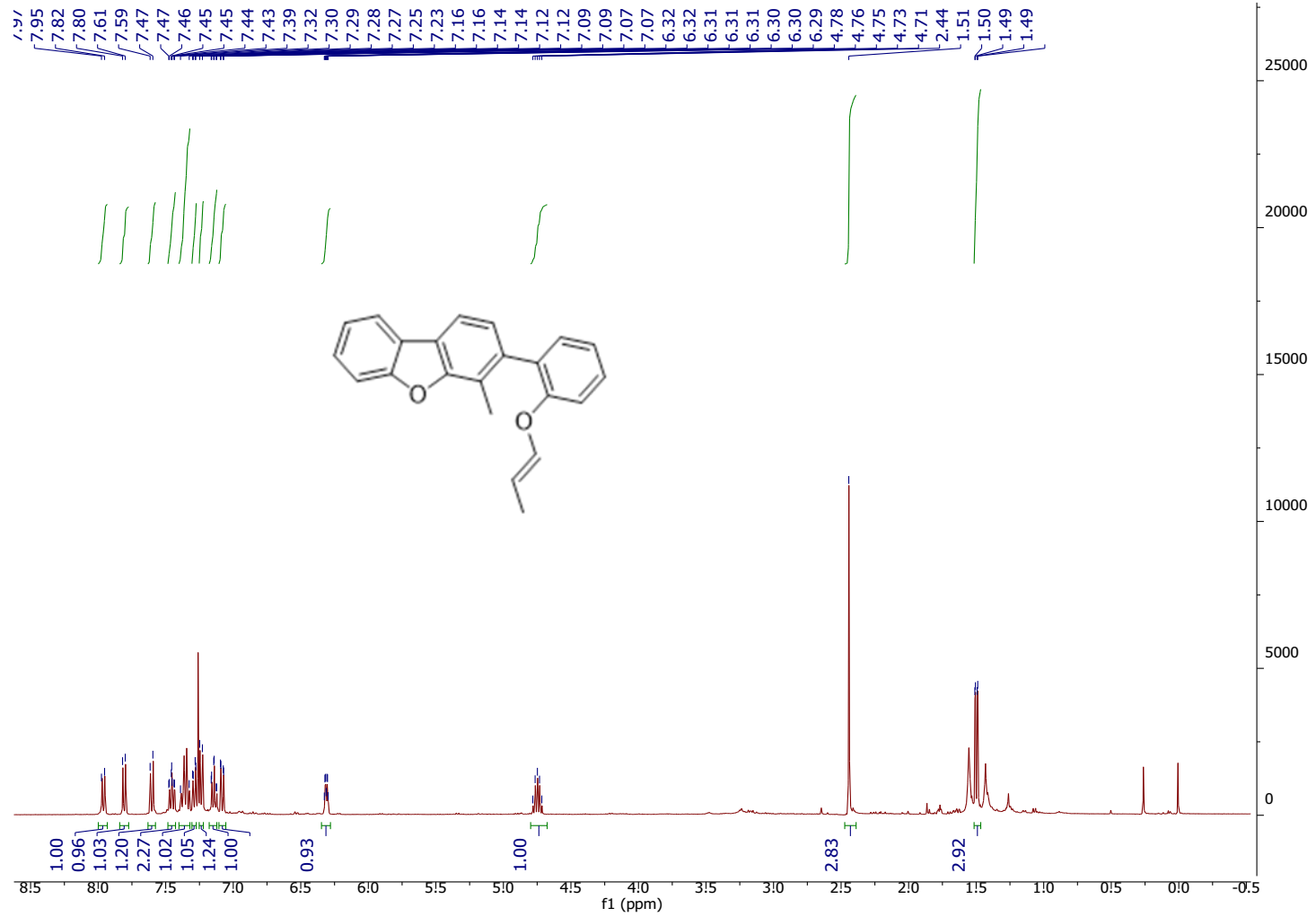


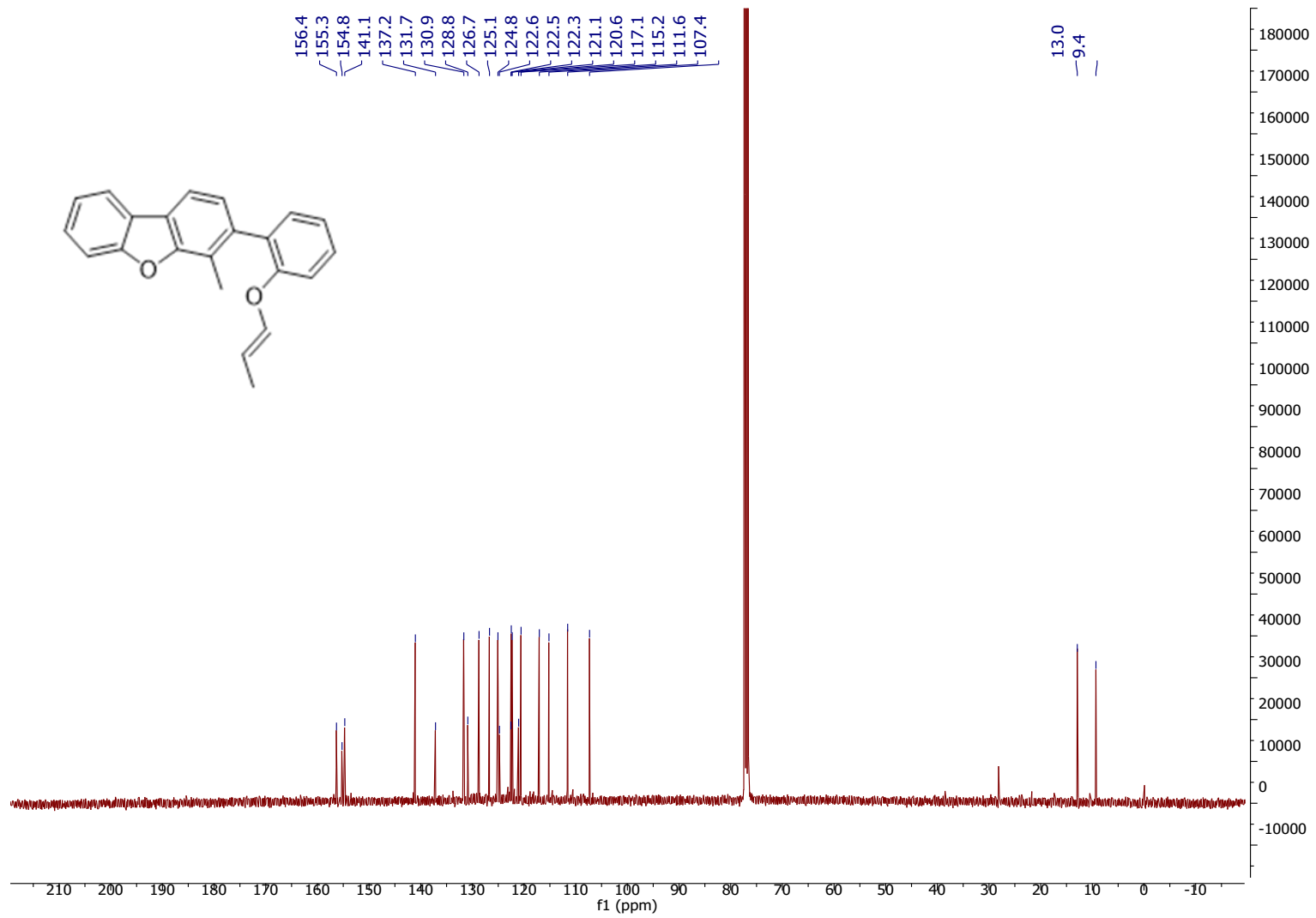
4a: 3-(2-(vinylloxy)phenyl)dibenzo[b,d]furan



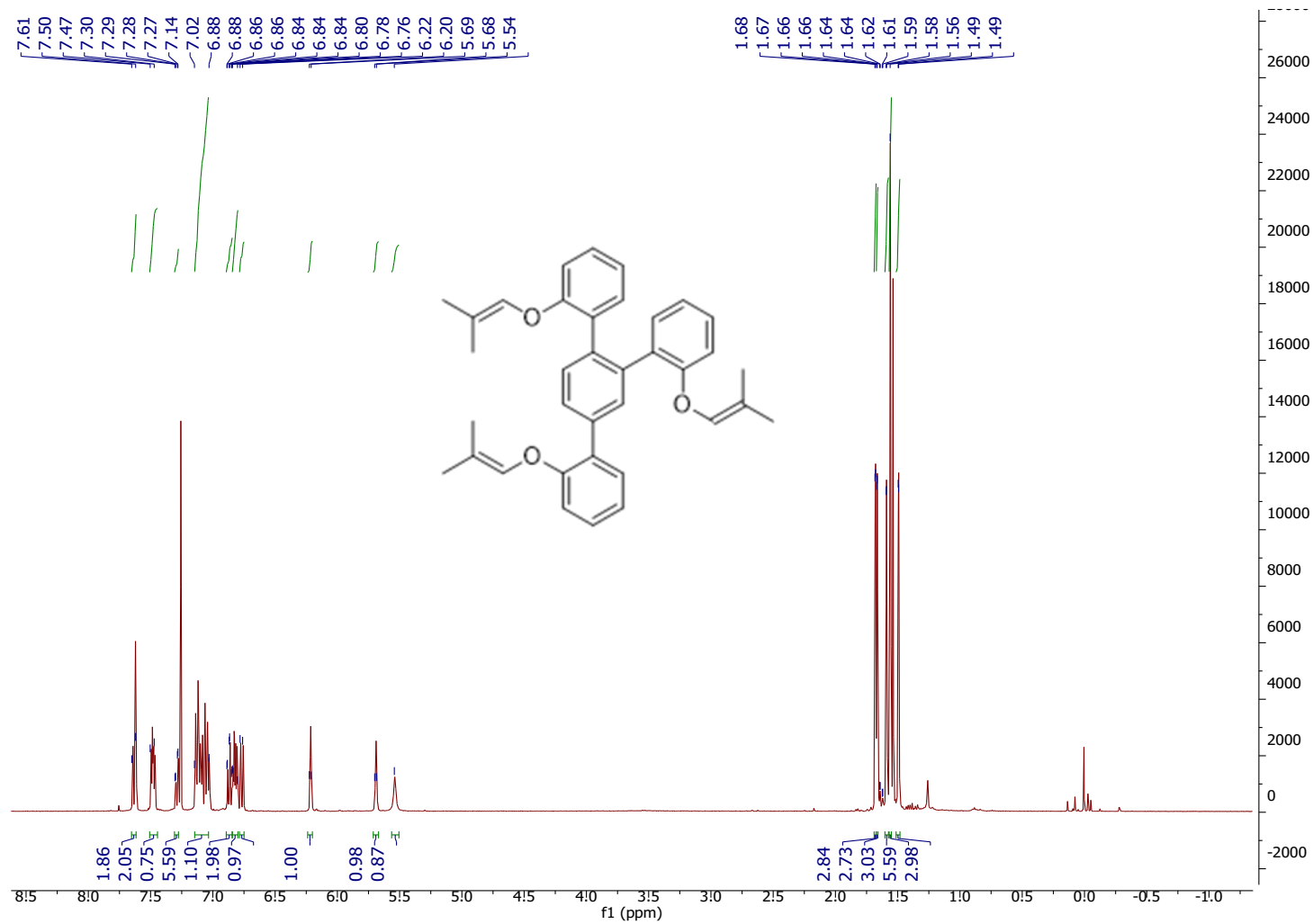


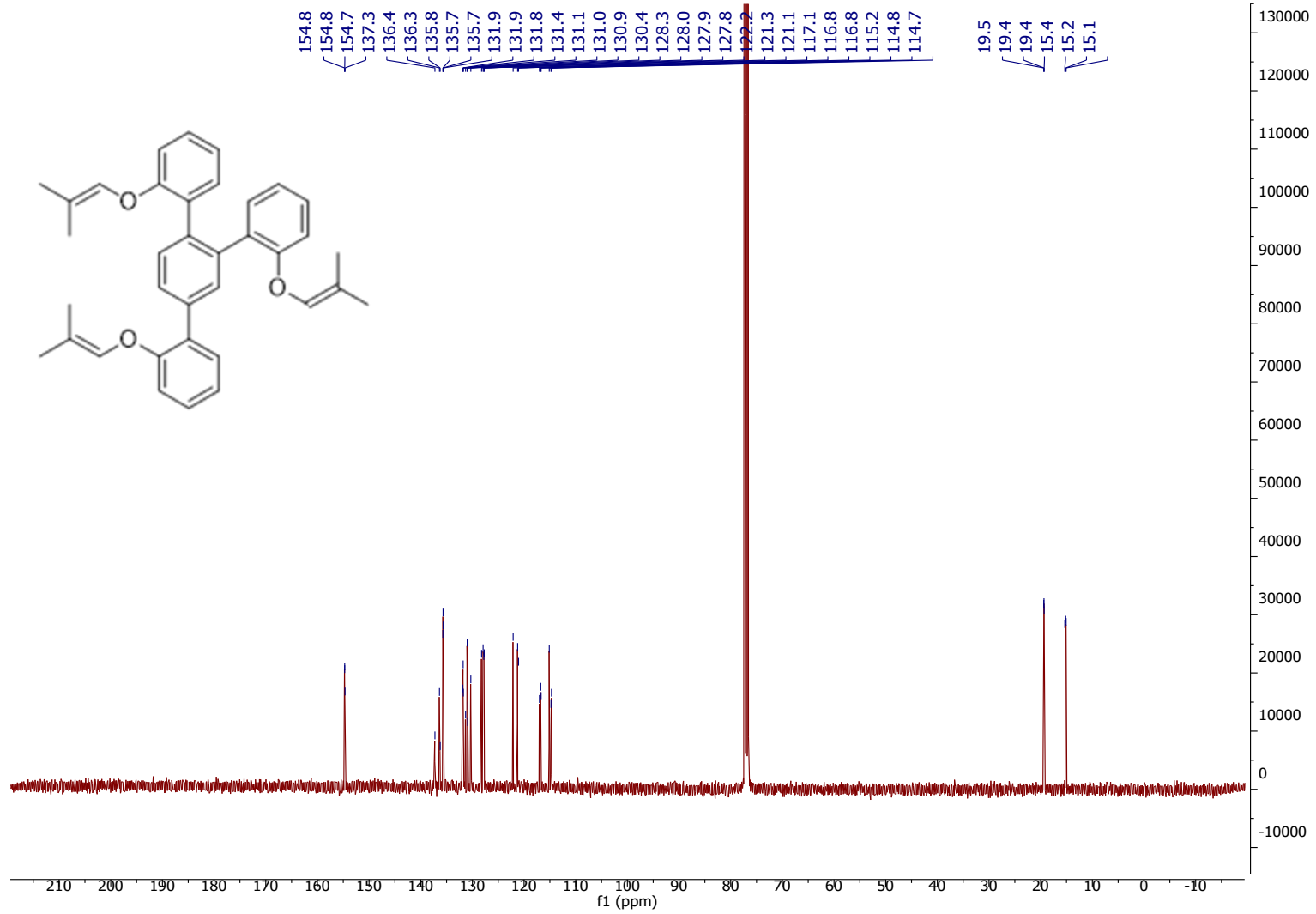
4k: (E)-4-methyl-3-(2-(prop-1-en-1-yloxy)phenyl)dibenzo[b,d]furan



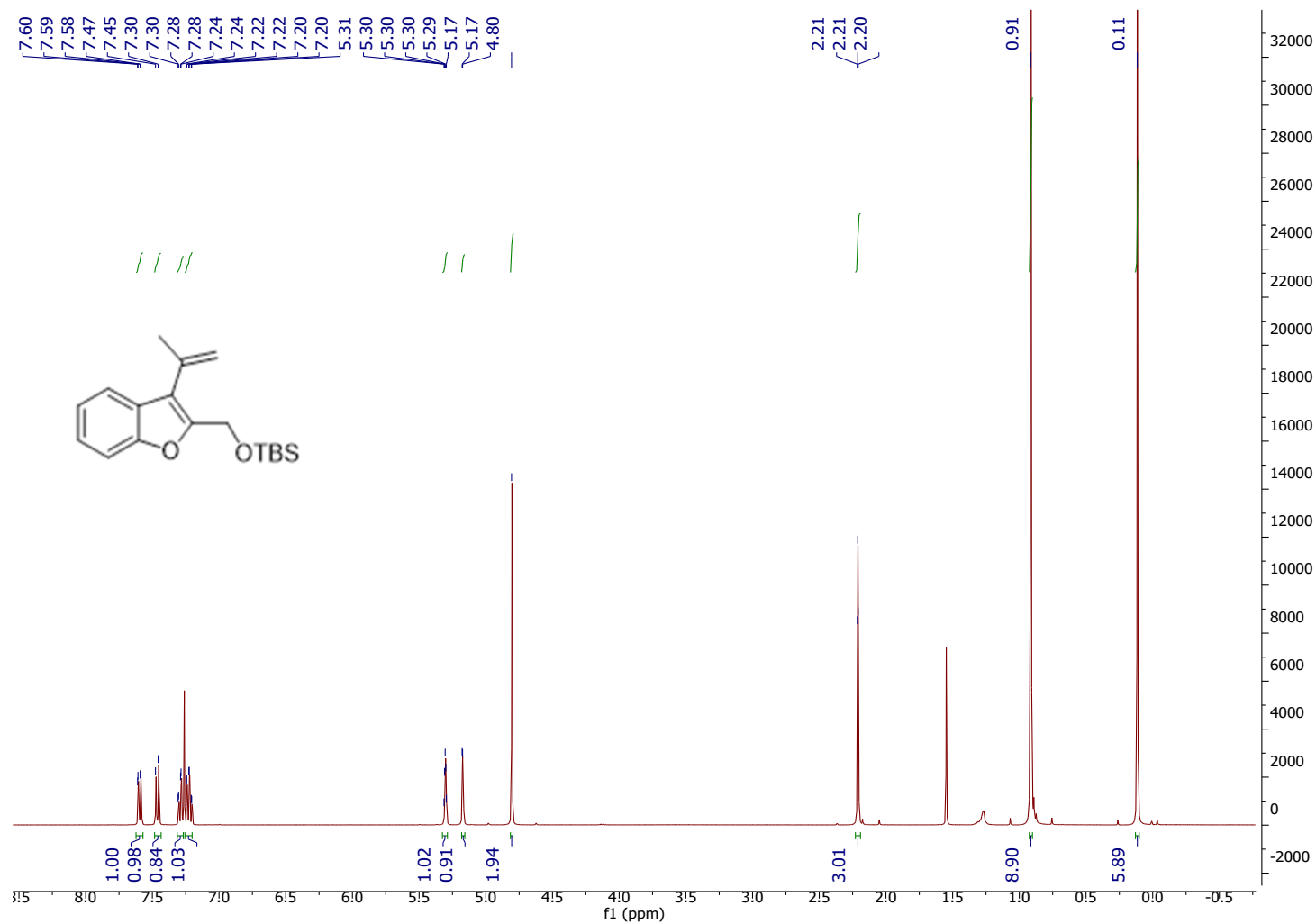


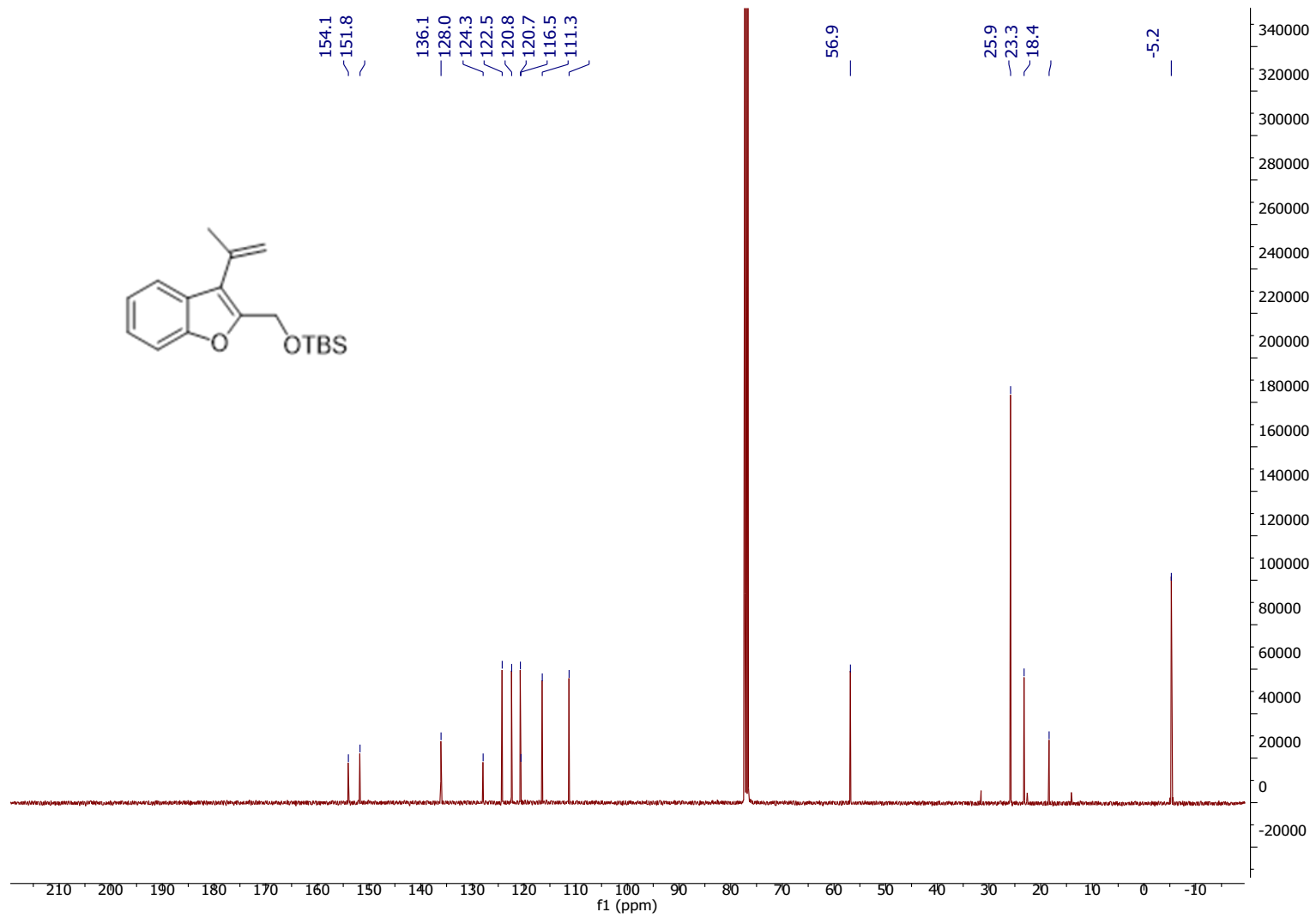
4I: 2,2''-bis((2-methylprop-1-en-1-yl)oxy)-4'-(2-((2-methylprop-1-en-1-yl)oxy)phenyl)-1,1':2',1''-terphenyl



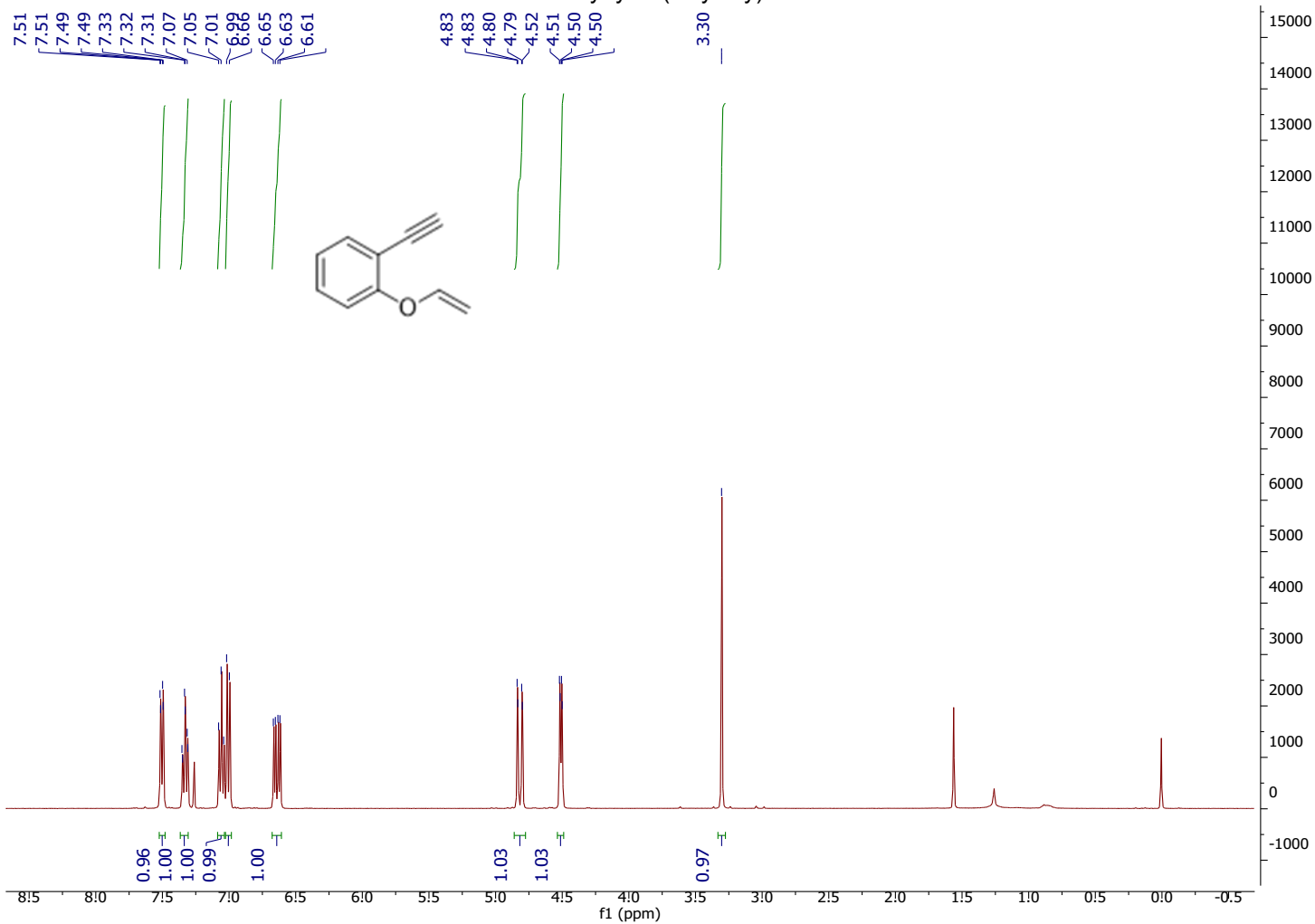


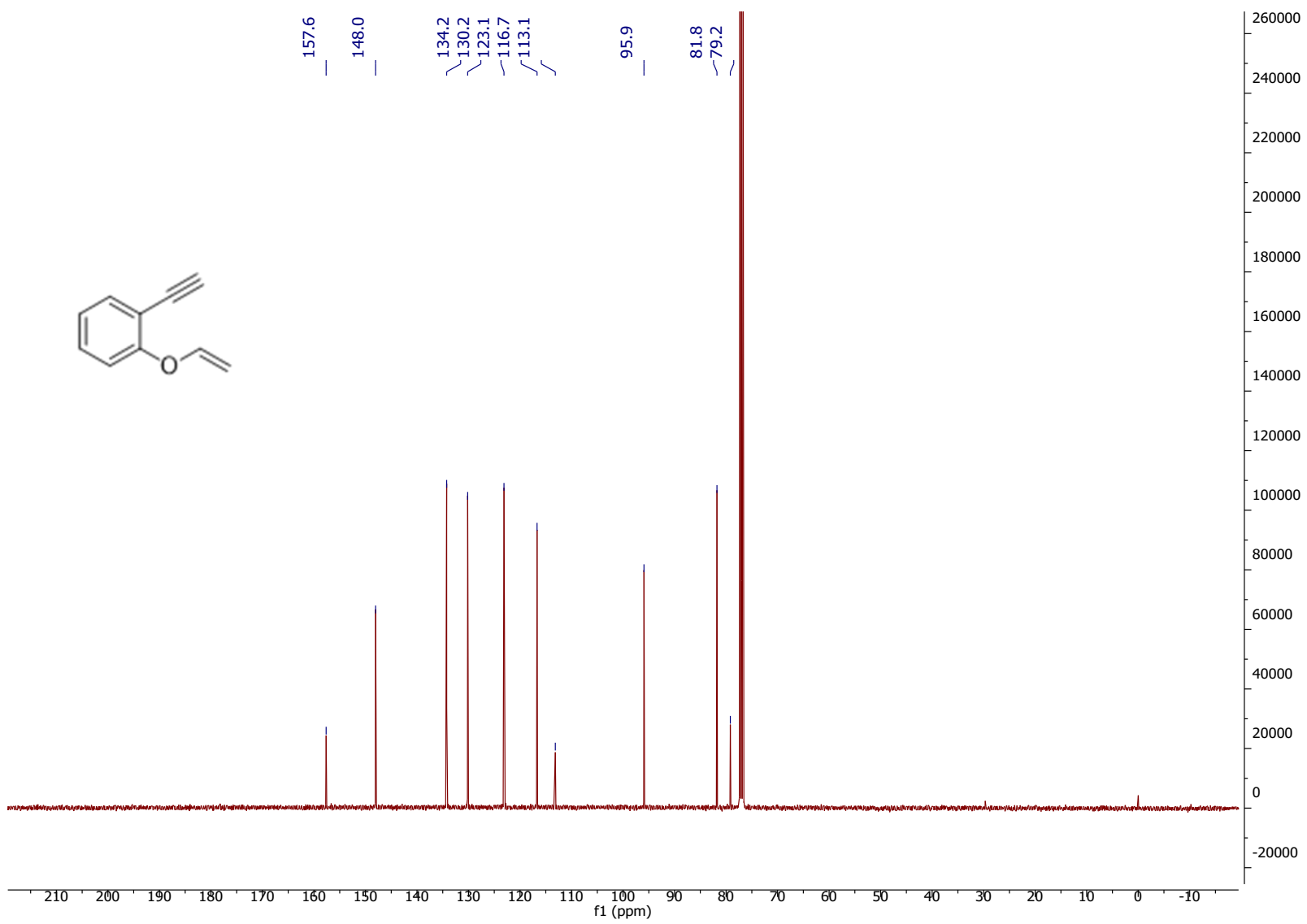
5: *tert*-butyldimethyl((3-(prop-1-en-2-yl)benzofuran-2-yl)methoxy)silane



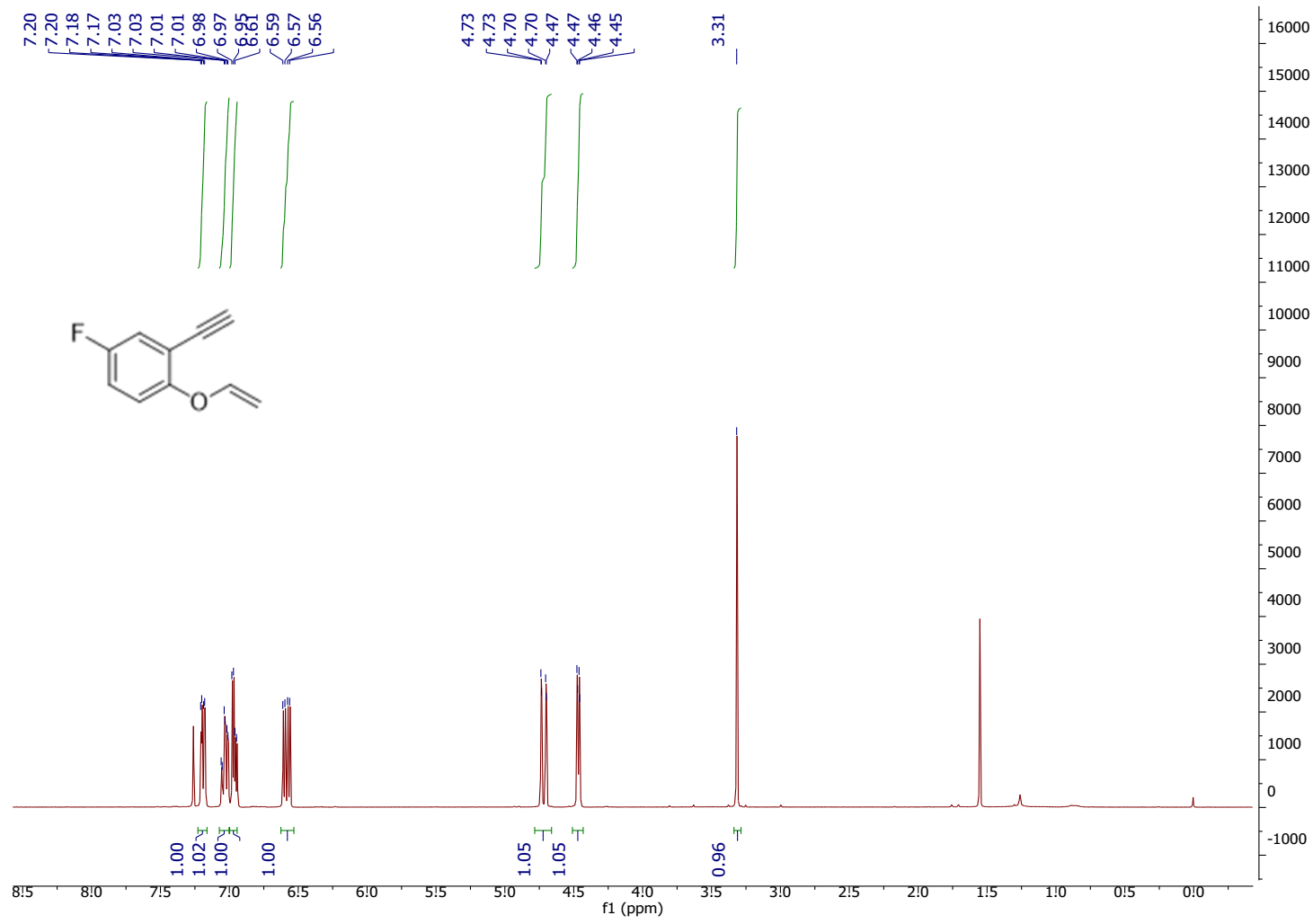


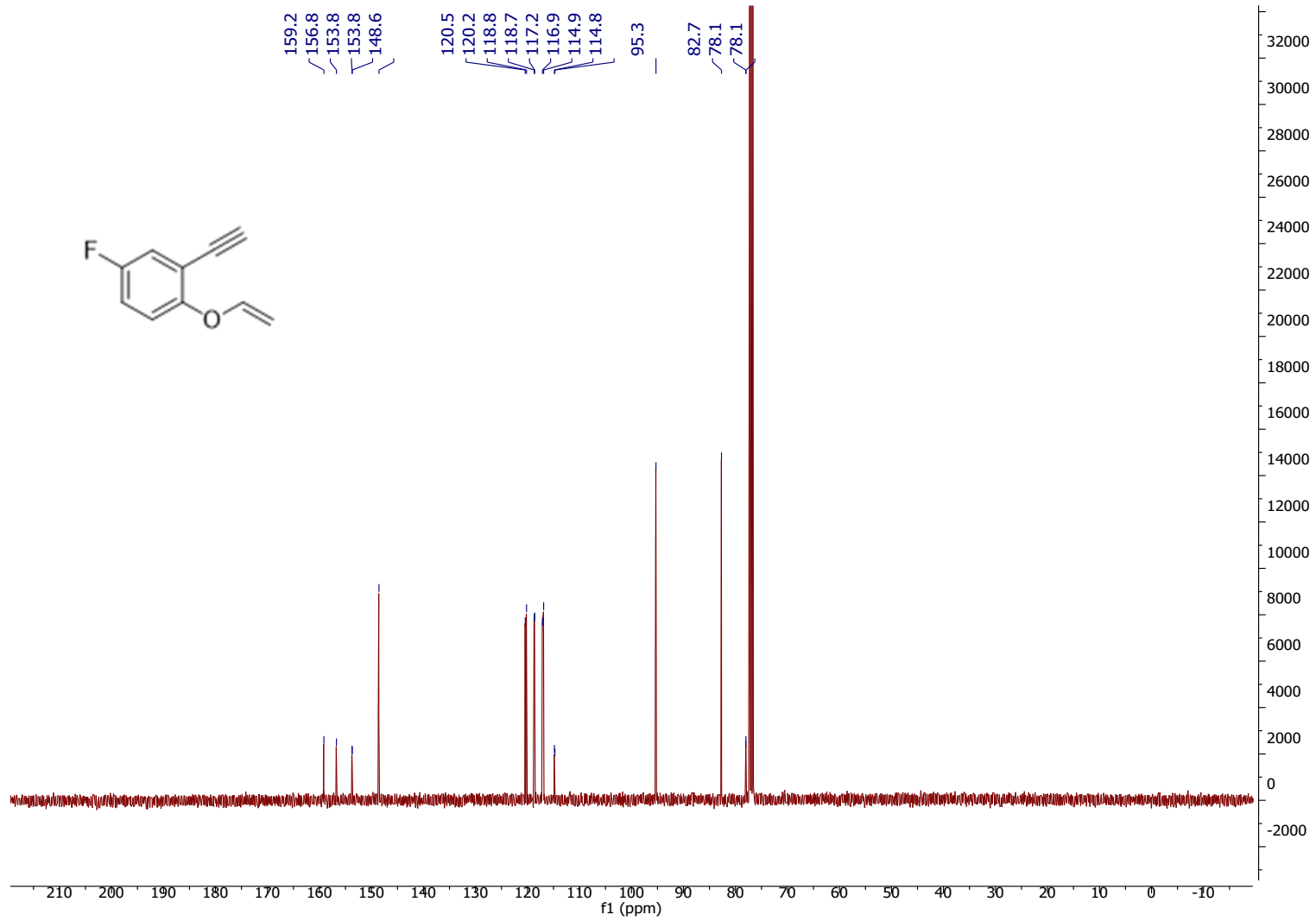
1a: 1-ethynyl-2-(vinylloxy)benzene



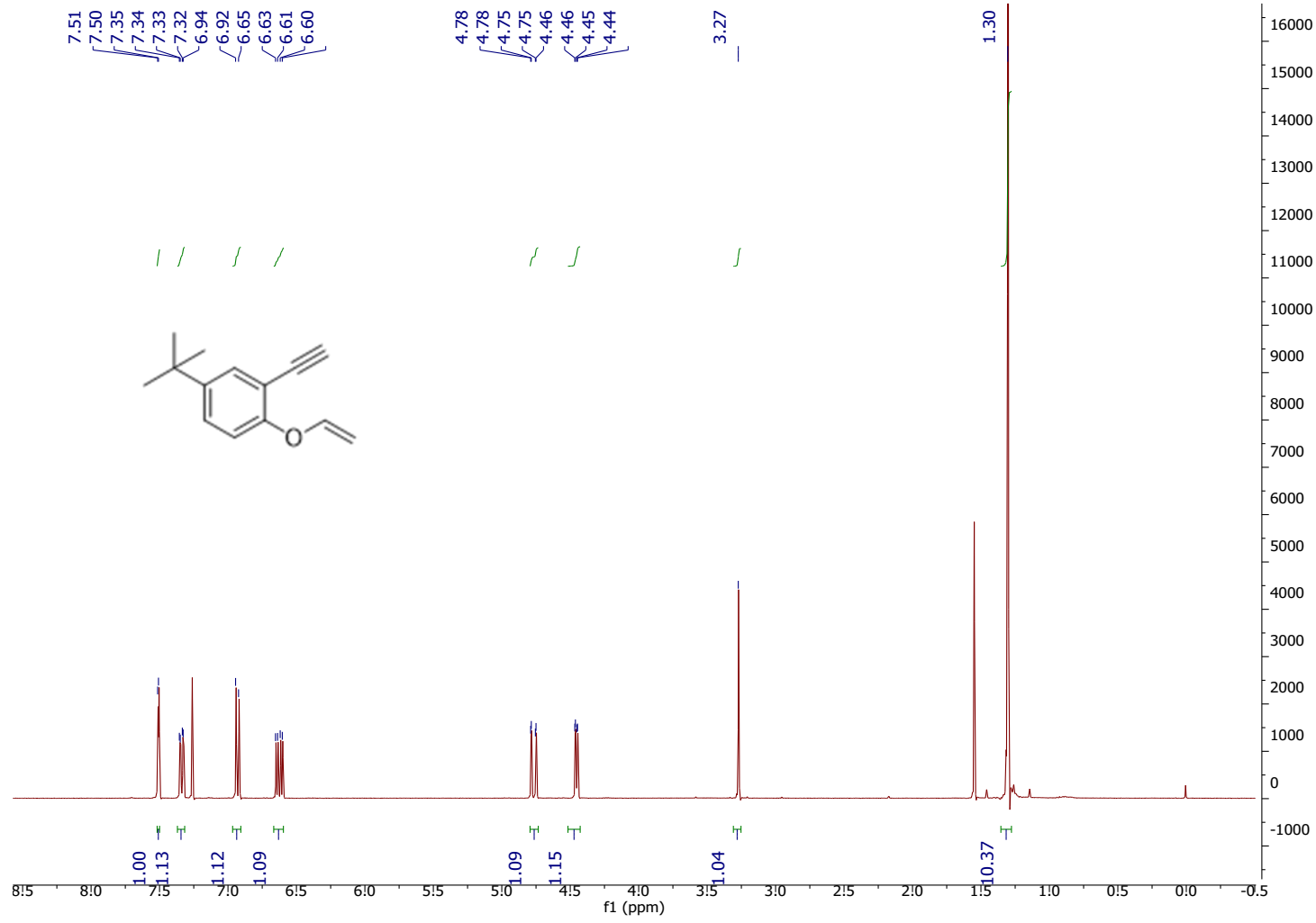


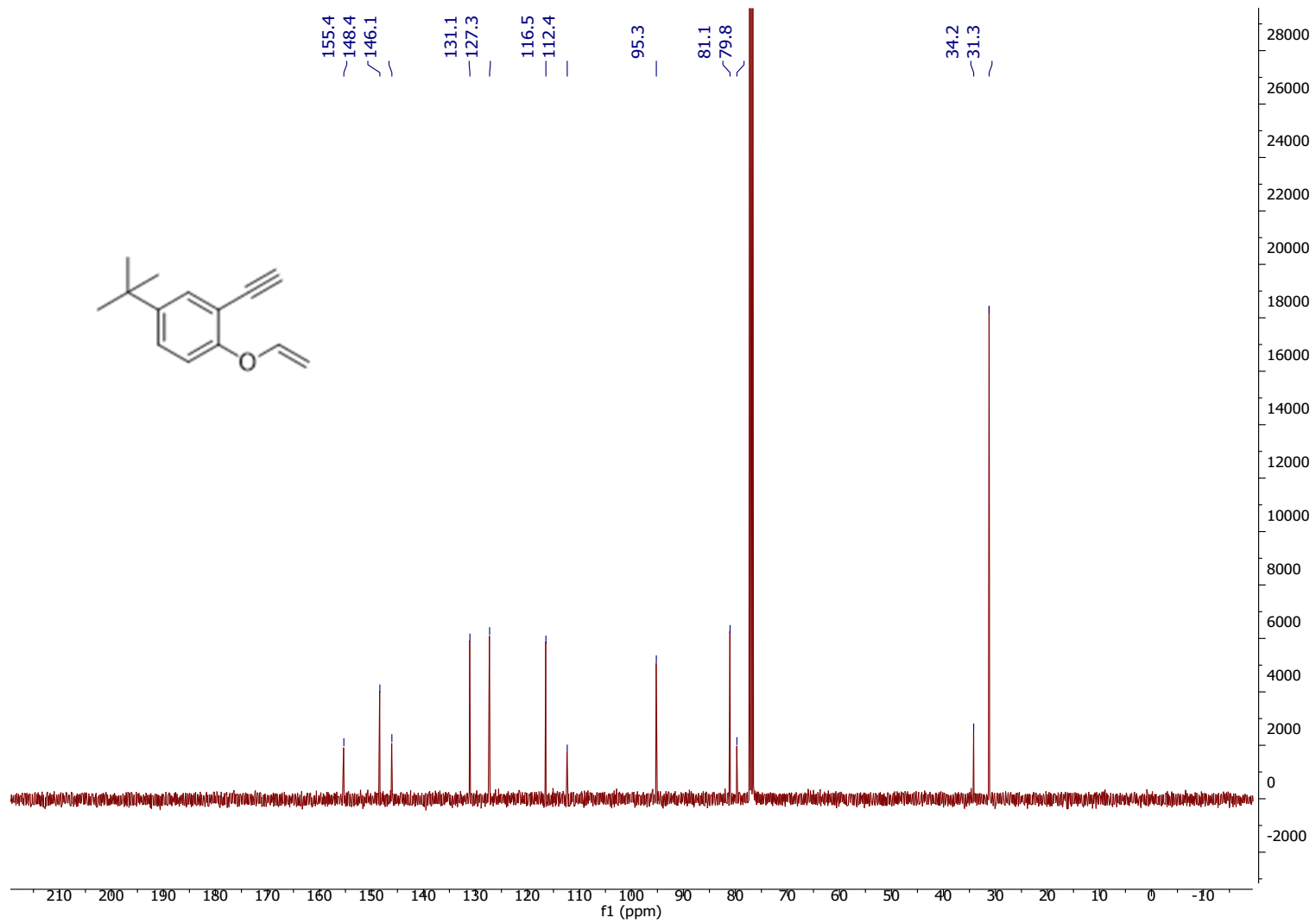
1b: 2-ethynyl-4-fluoro-1-(vinylloxy)benzene



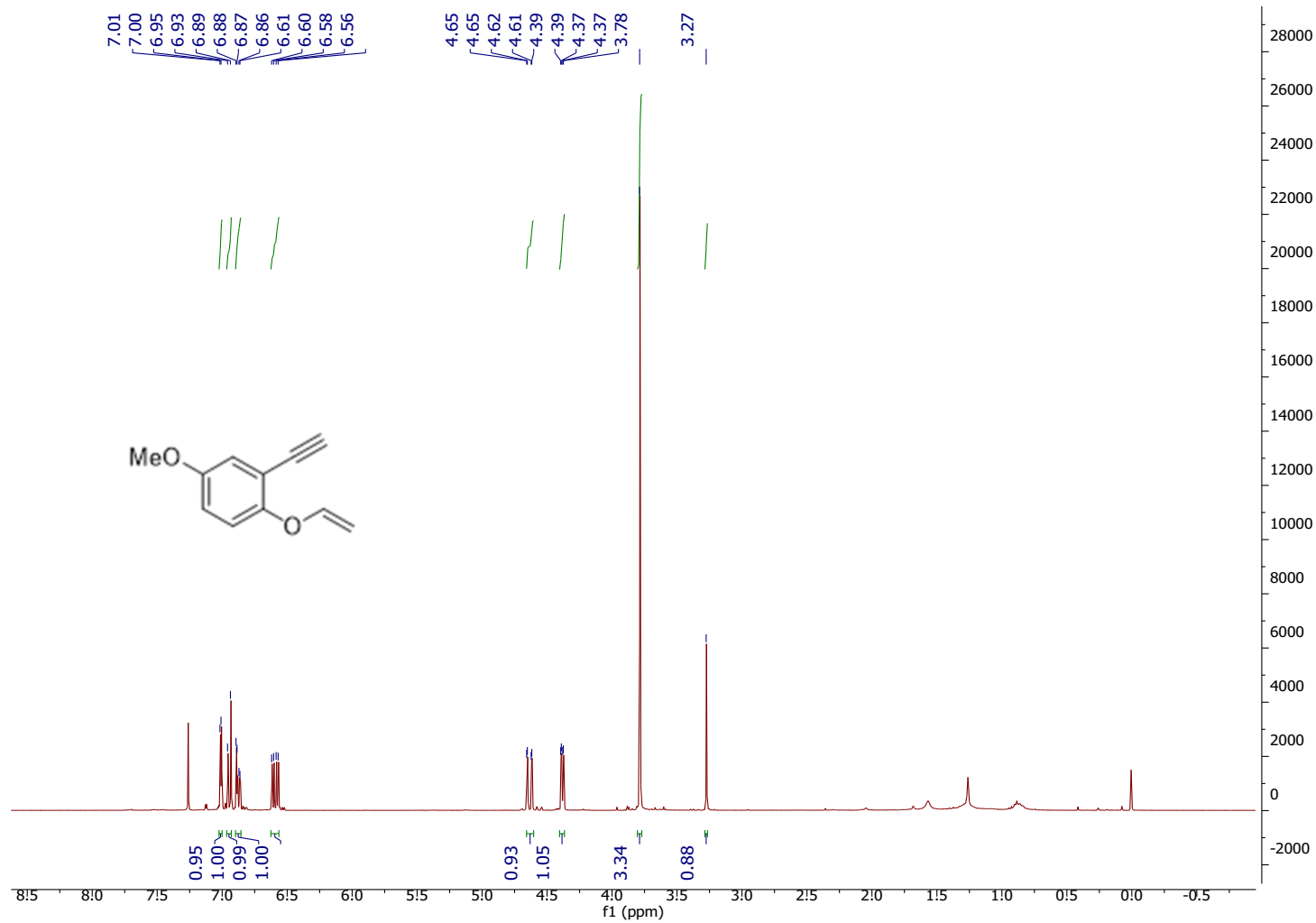


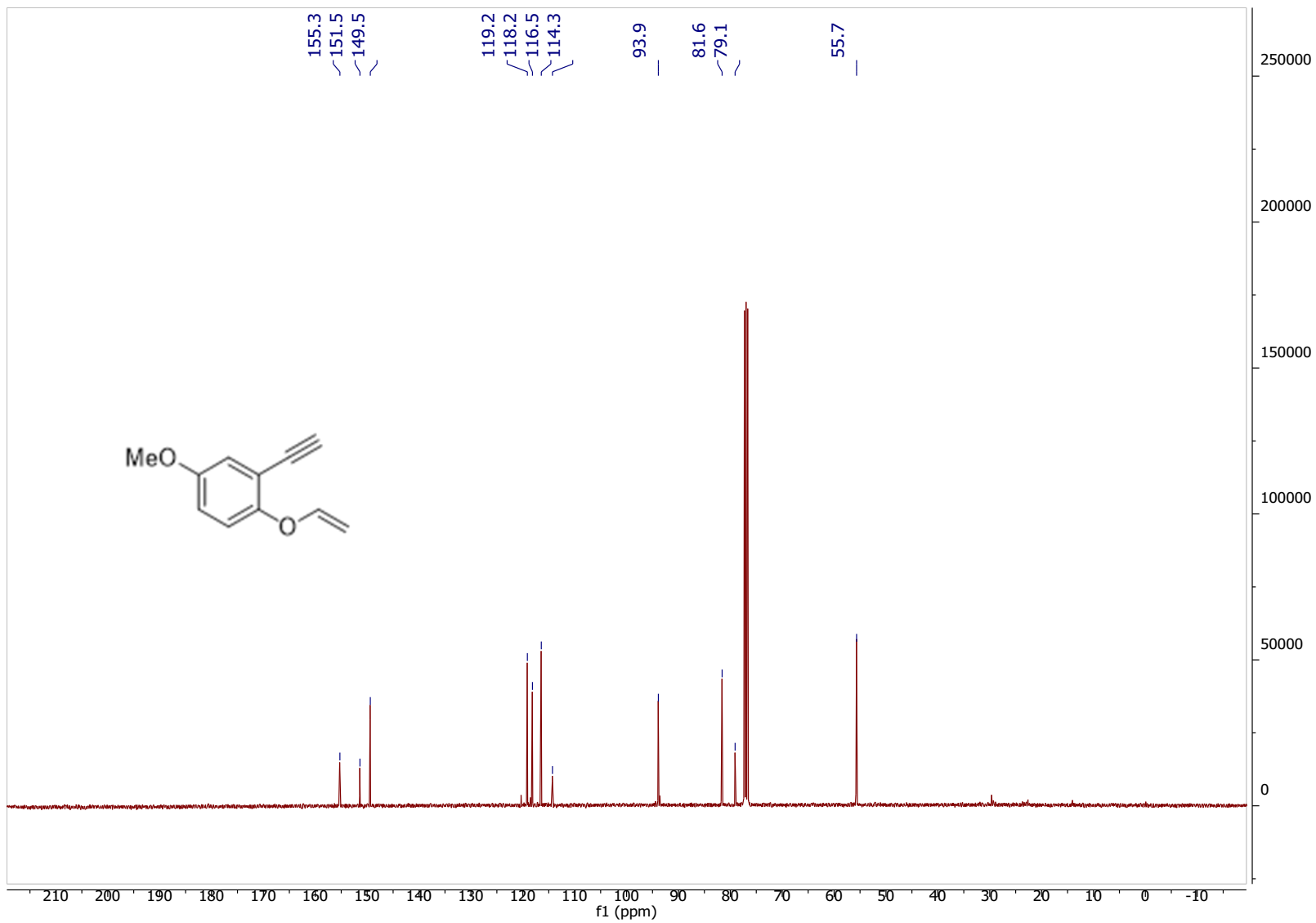
1c: (tert-butyl)-2-ethynyl-1-(vinyloxy)benzene



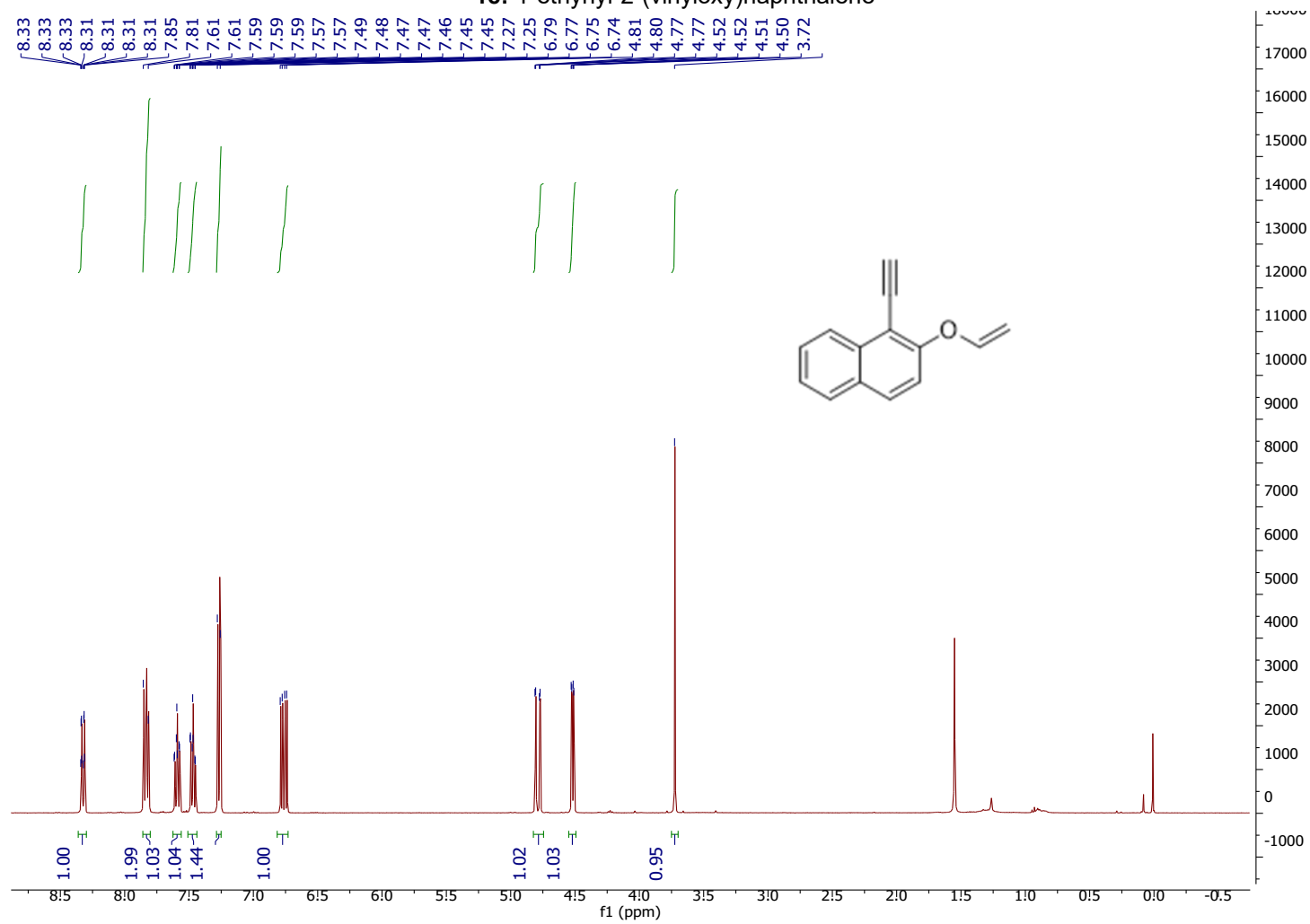


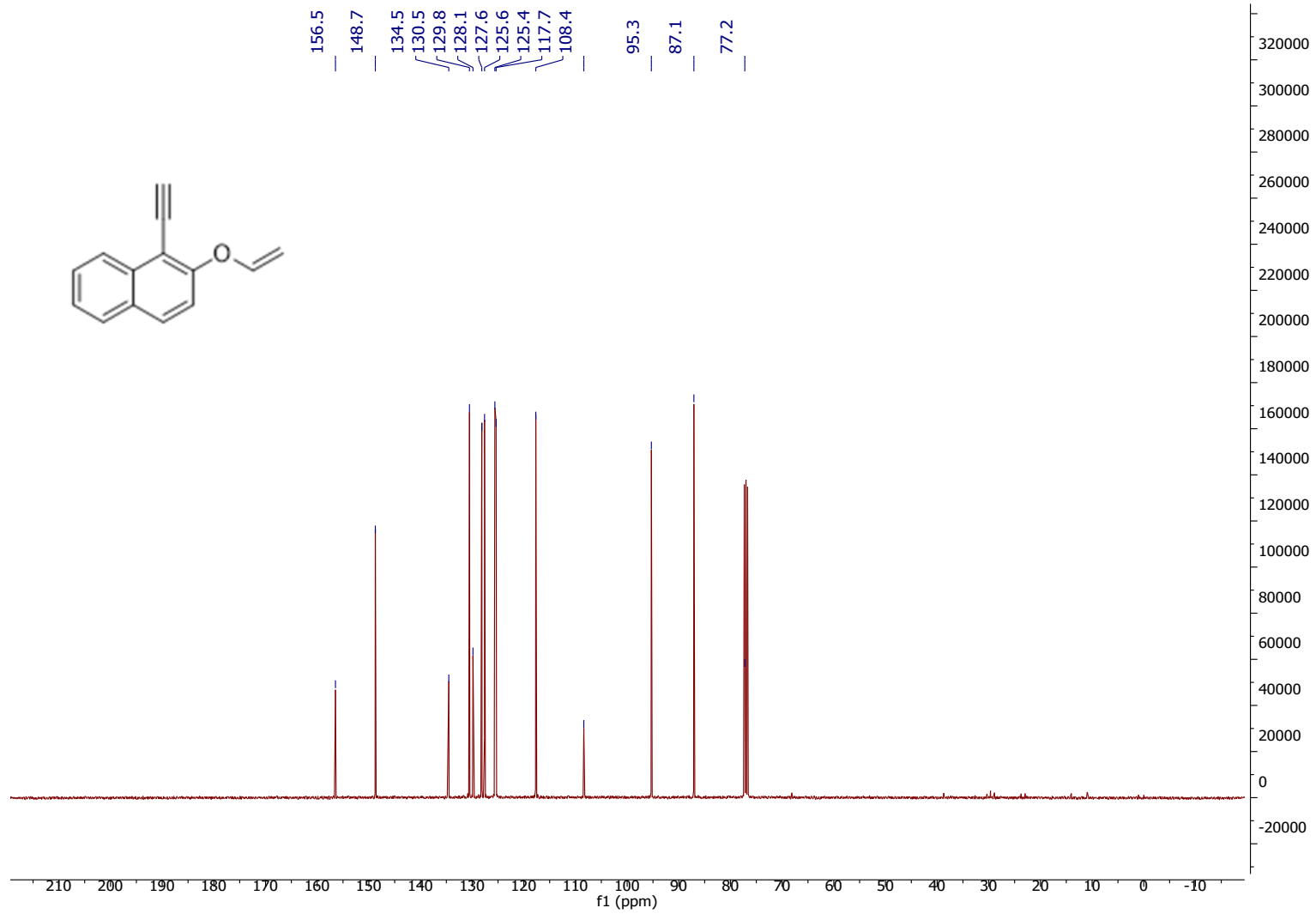
1d: 2-ethynyl-4-methoxy-1-(vinylloxy)benzene



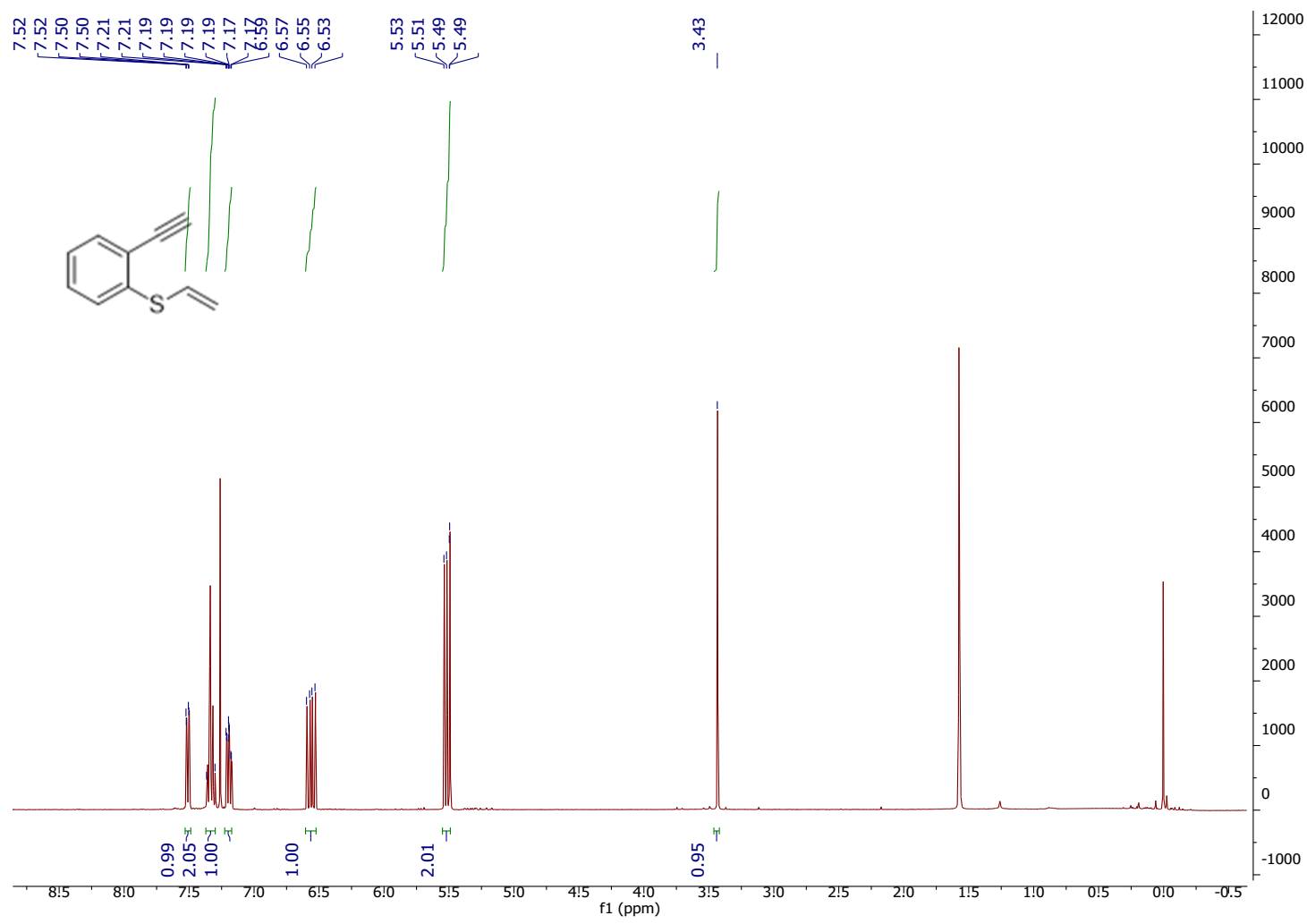


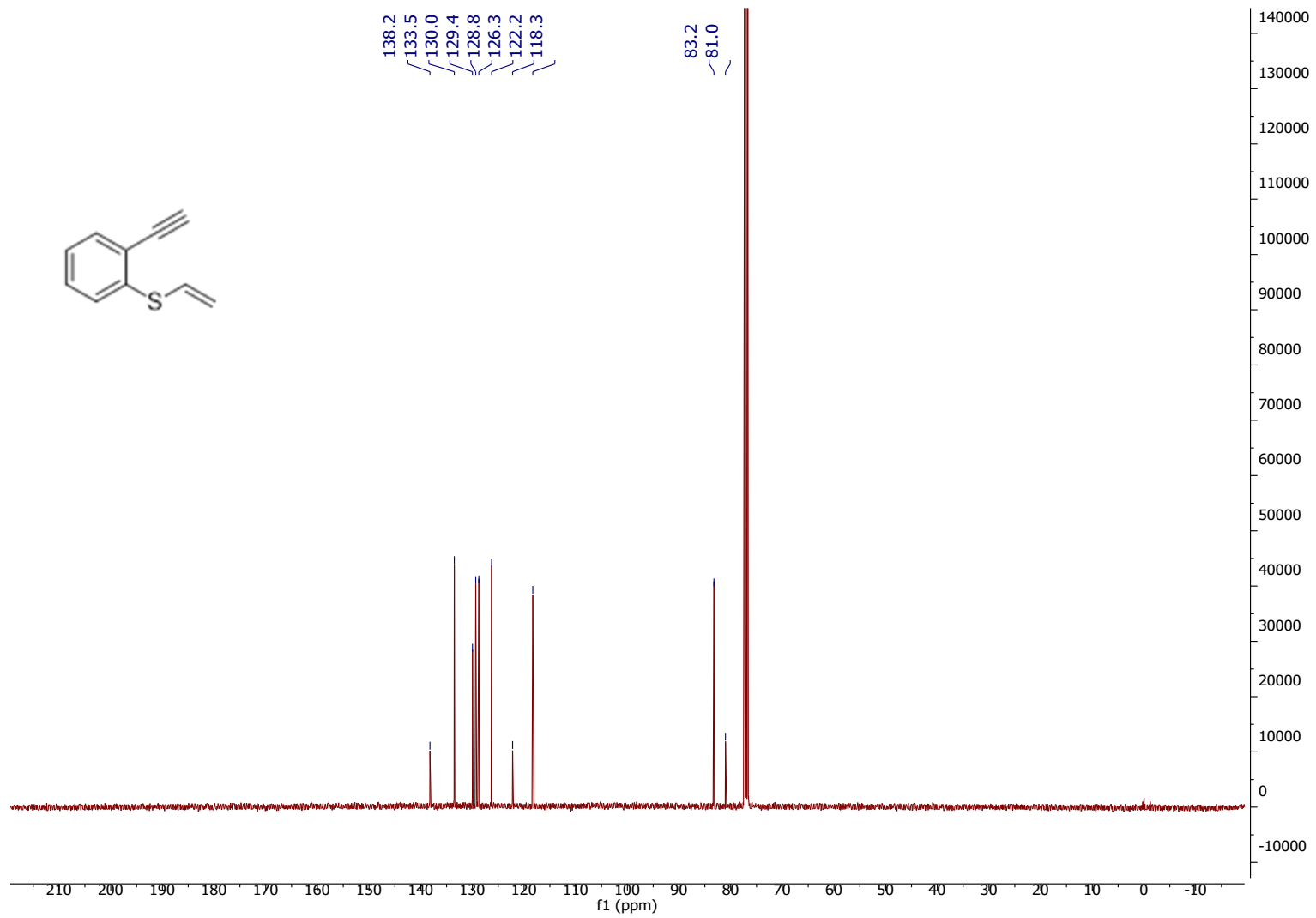
1e: 1-ethynyl-2-(vinyloxy)naphthalene



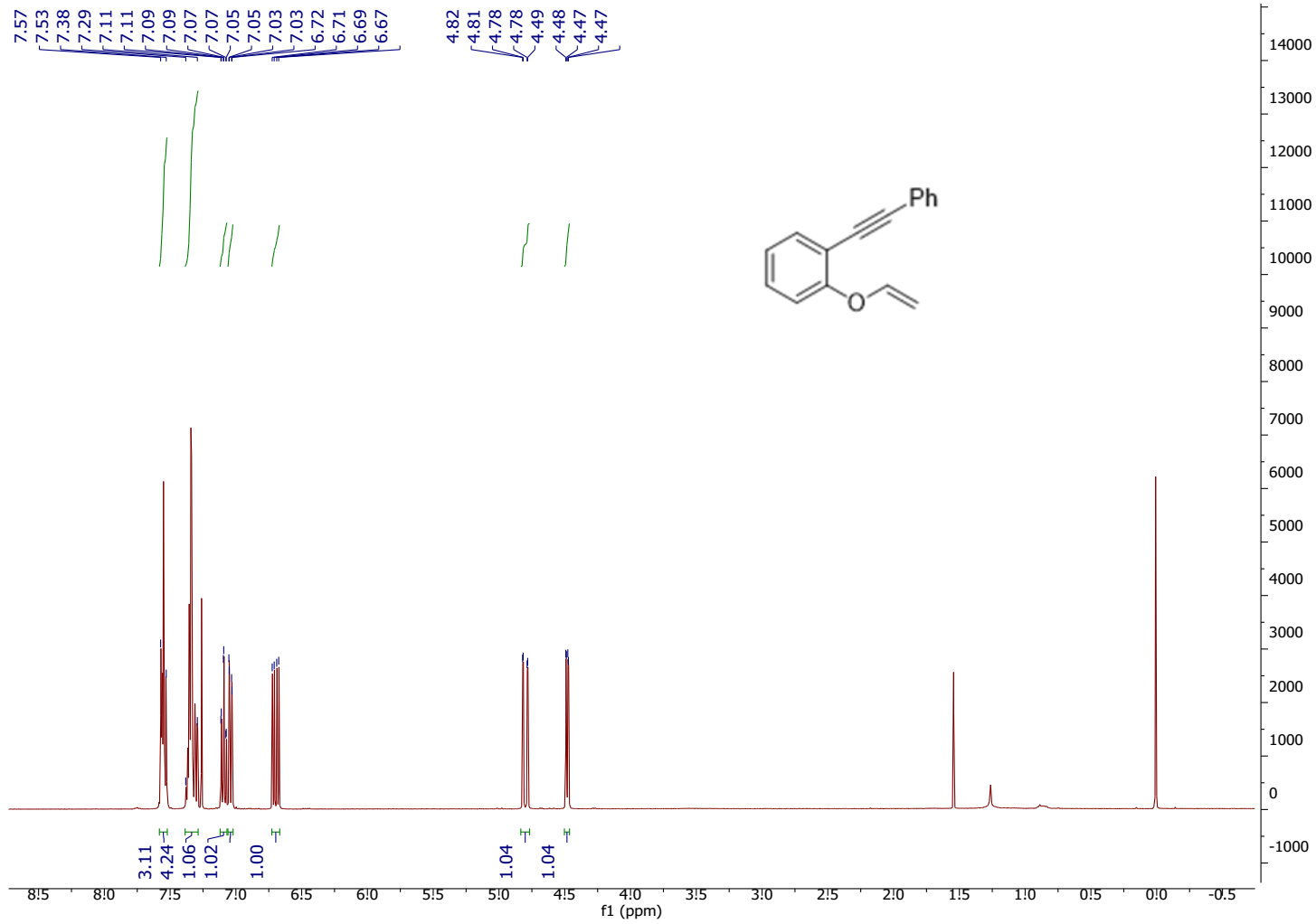


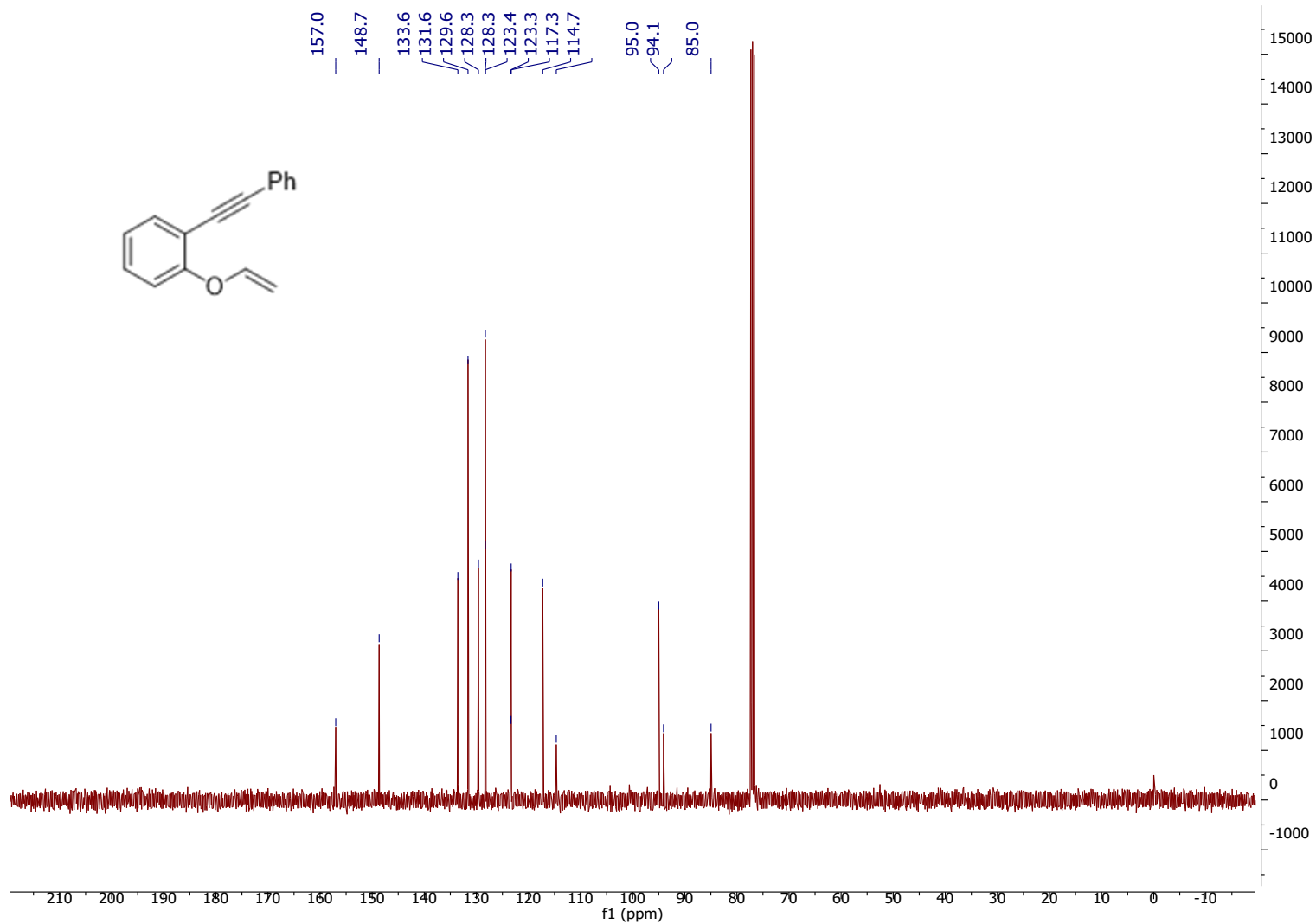
1f: (2-ethynylphenyl)(vinyl)sulfane



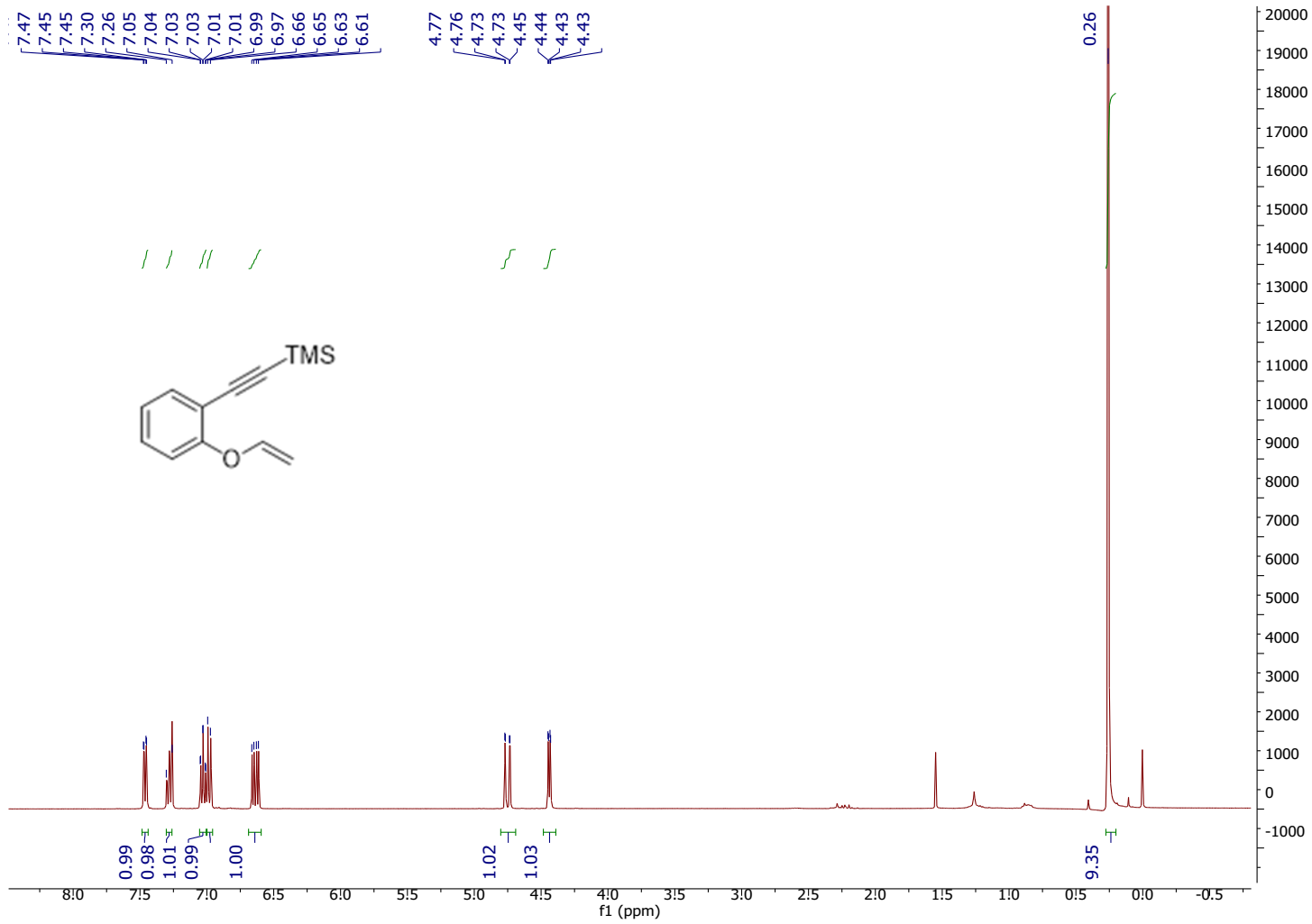


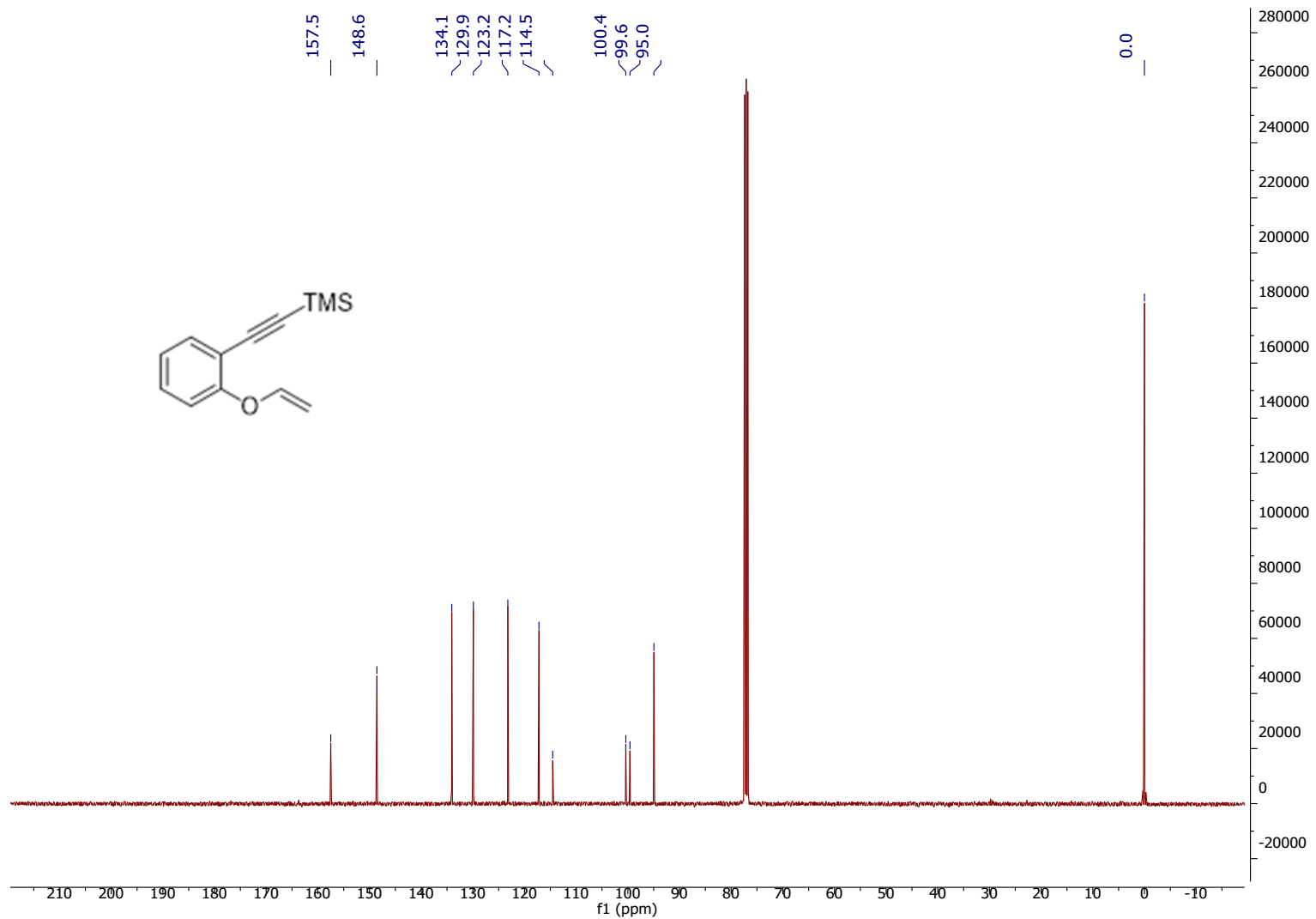
1g: 1-(phenylethynyl)-2-(vinylloxy)benzene



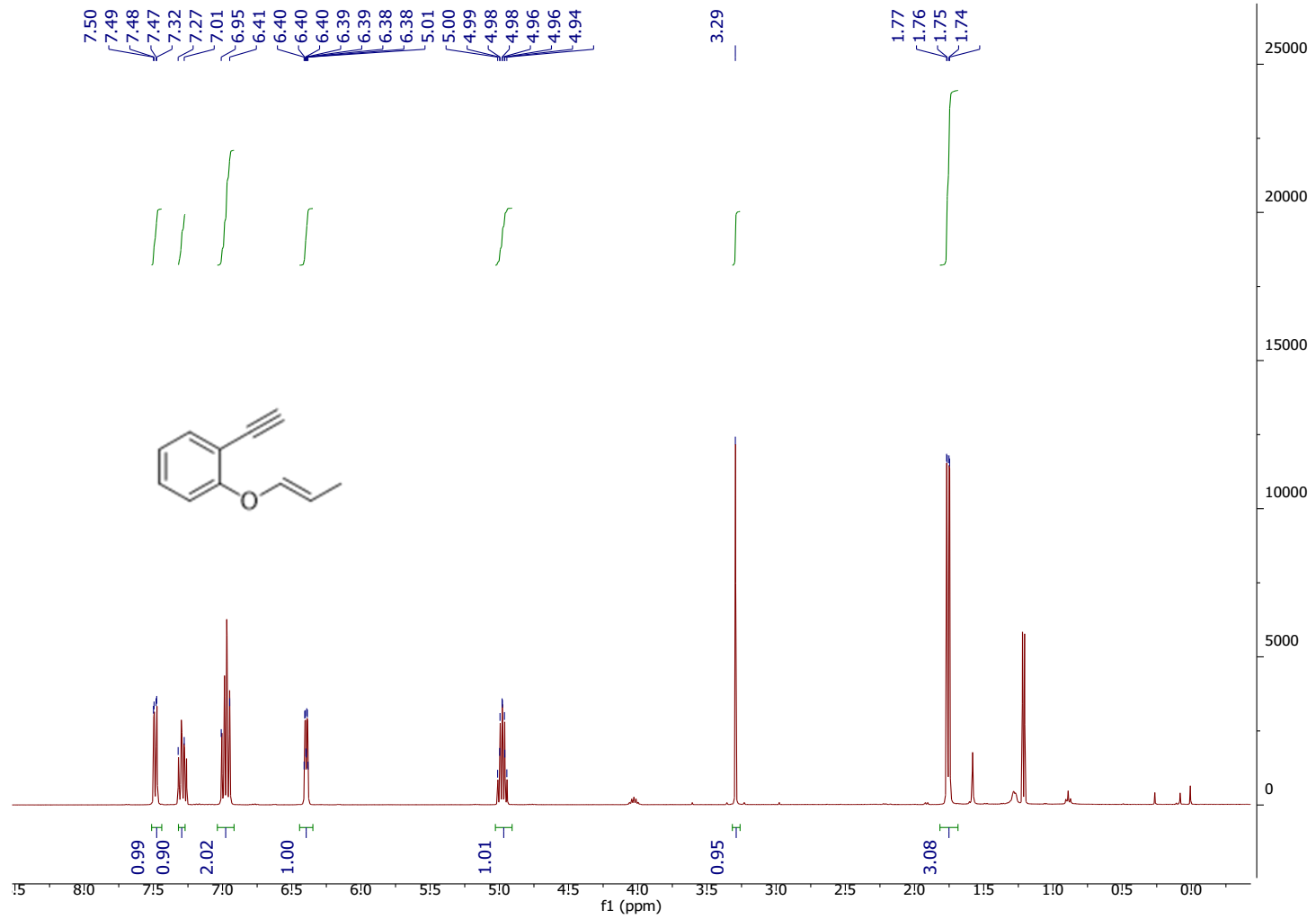


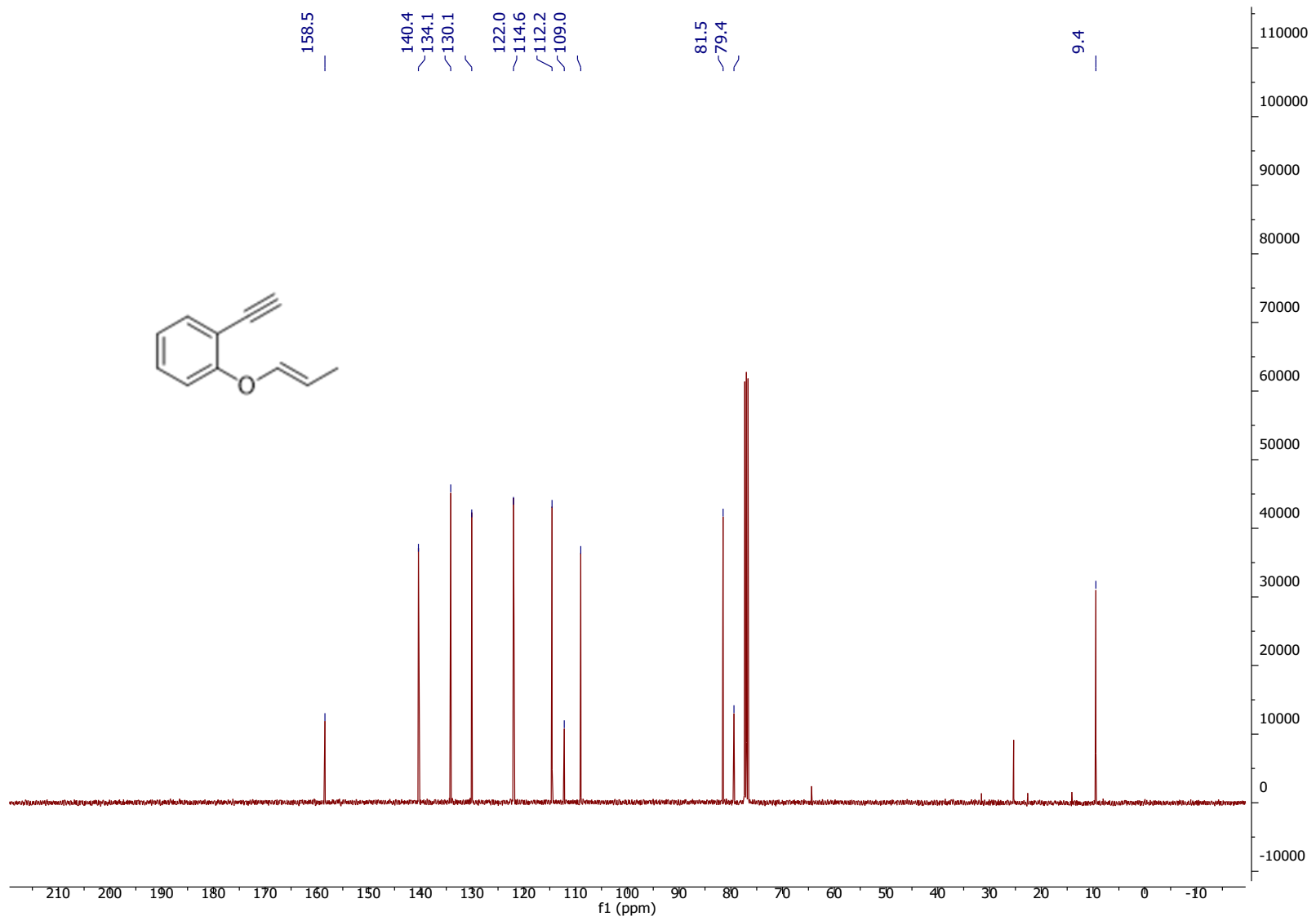
1h: trimethyl((2-(vinylloxy)phenyl)ethynyl)silane



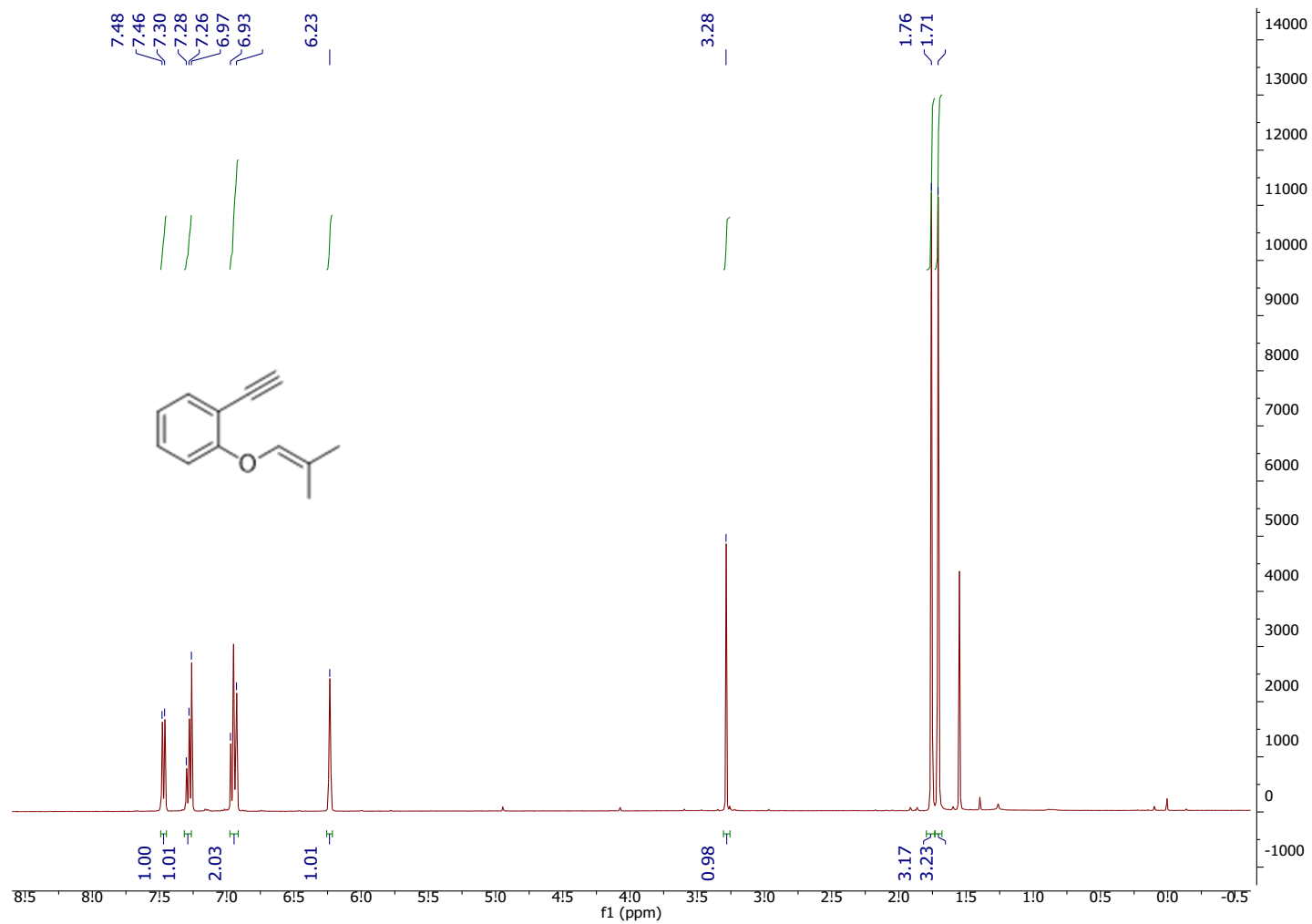


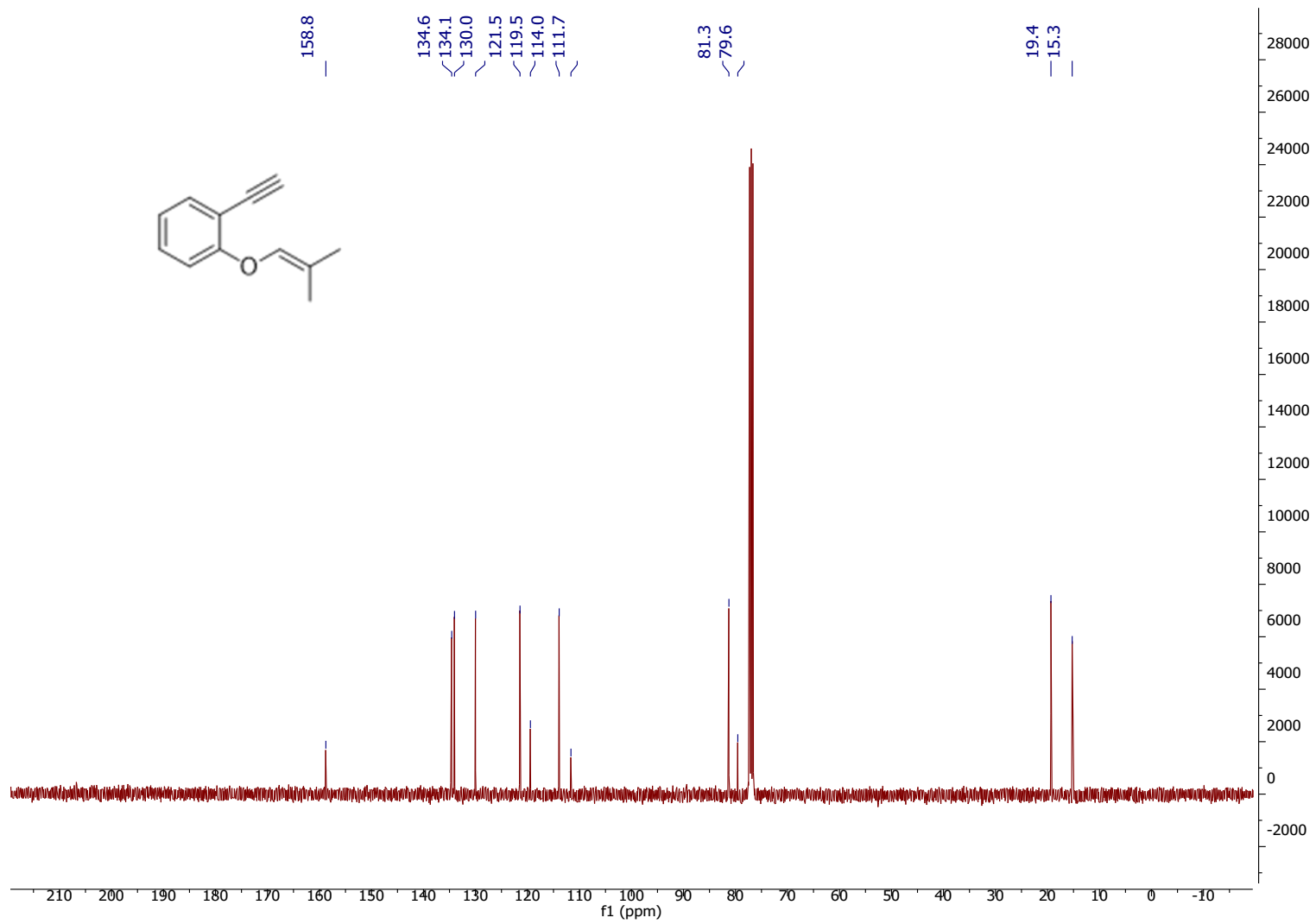
1i: (E)-1-ethynyl-2-(prop-1-en-1-yloxy)benzene



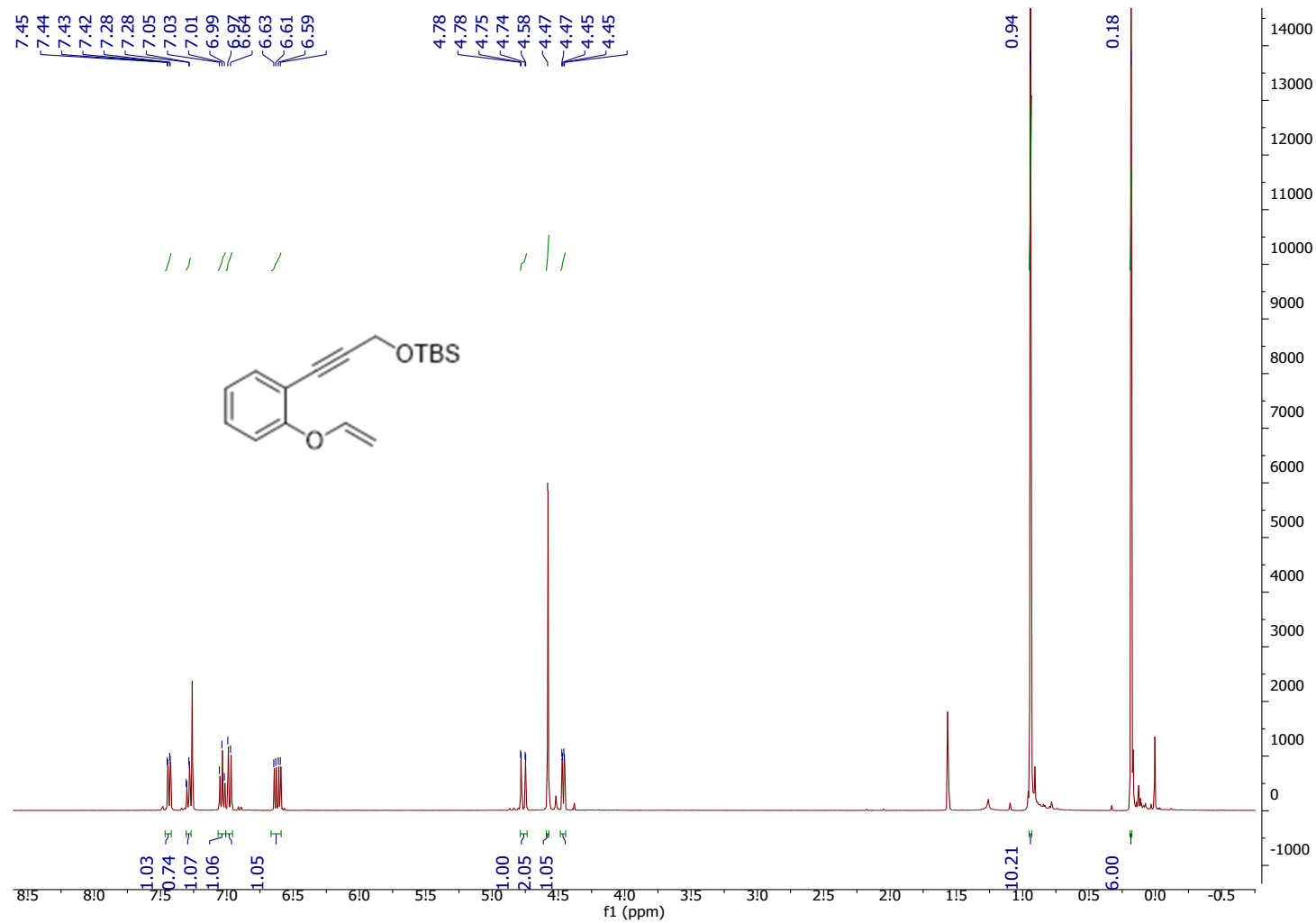


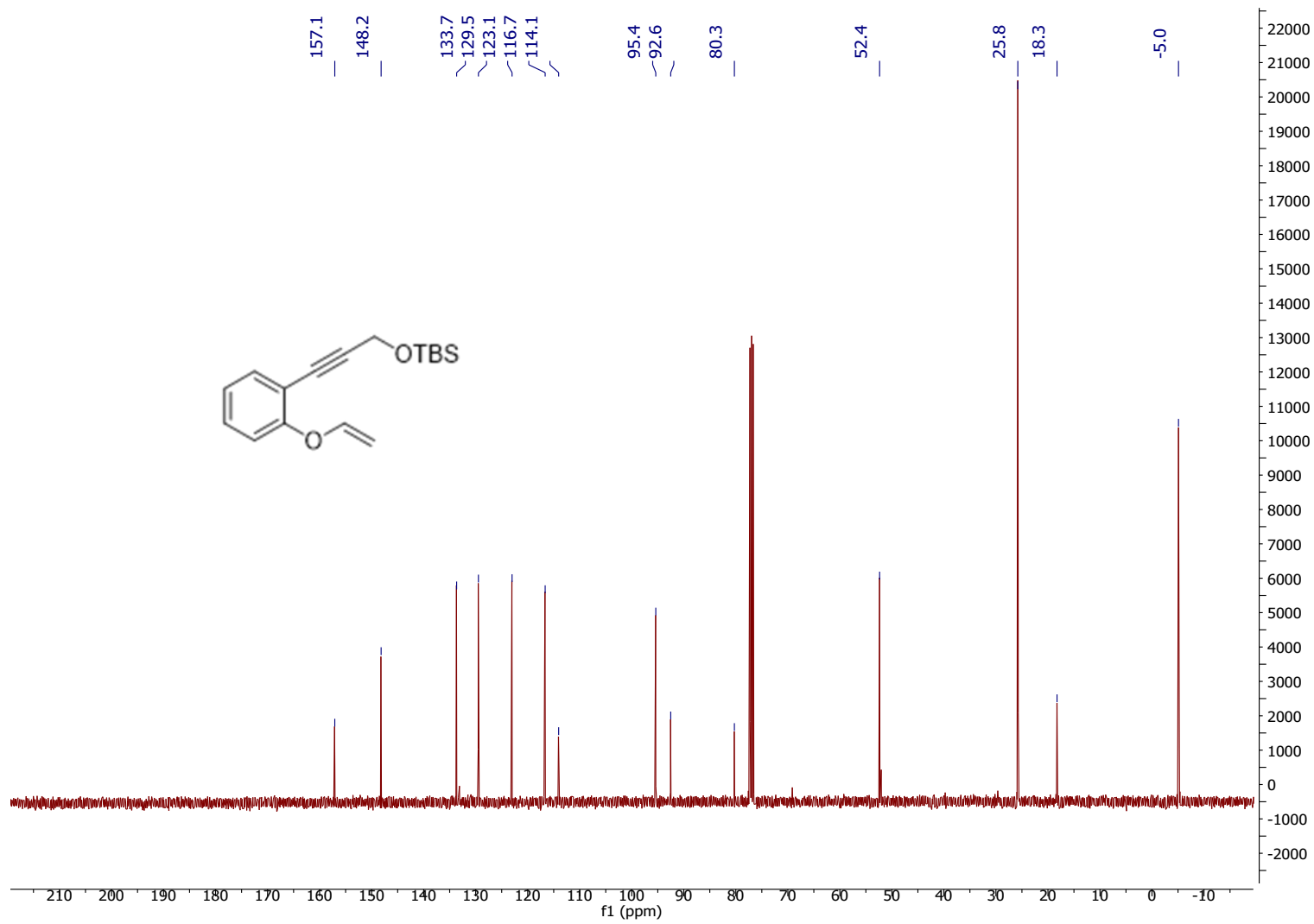
1j: 1-ethynyl-2-((2-methylprop-1-en-1-yl)oxy)benzene



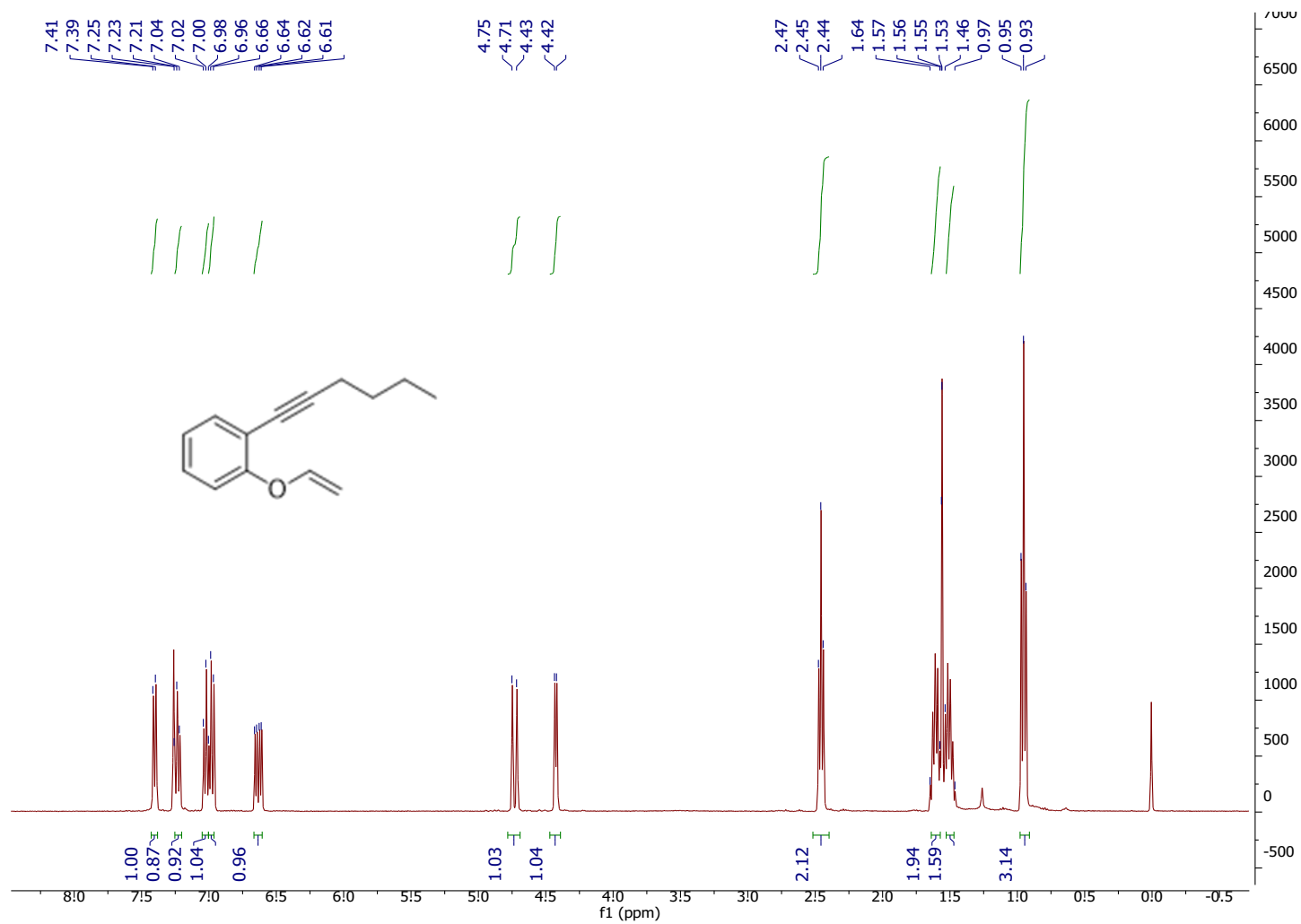


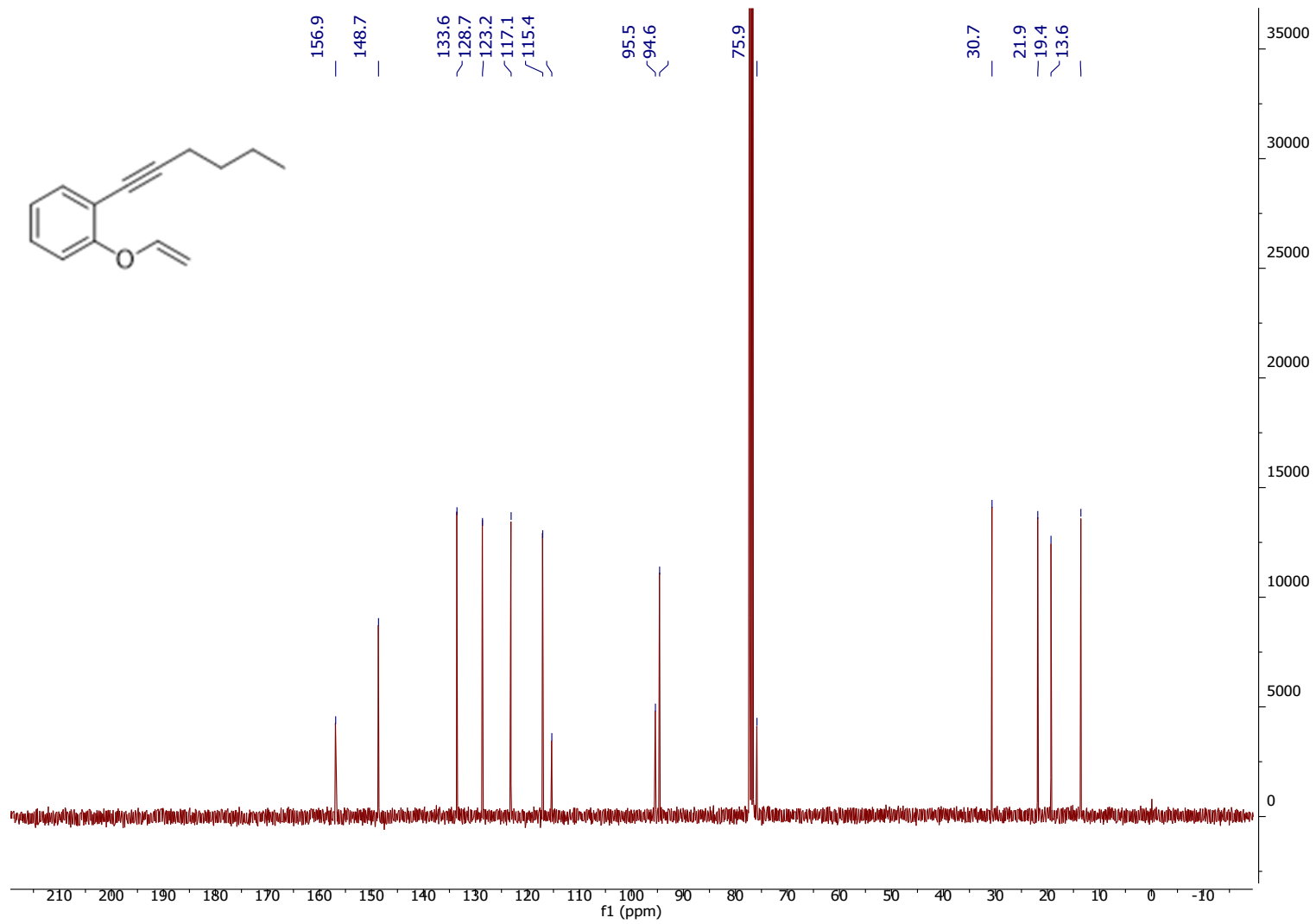
1k: *tert*-butyldimethyl((3-(2-(vinylloxy)phenyl)prop-2-yn-1-yl)oxy)silane



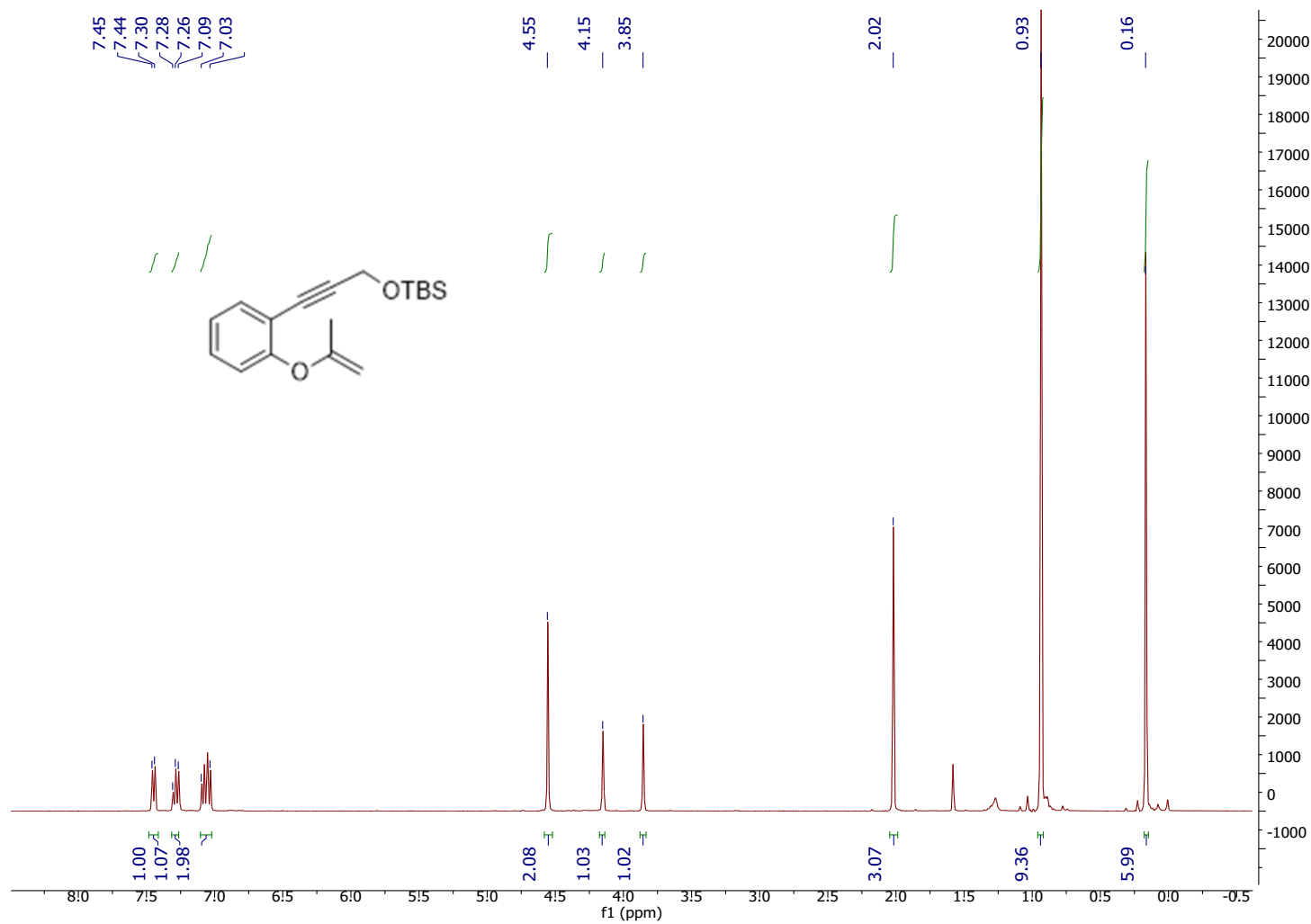


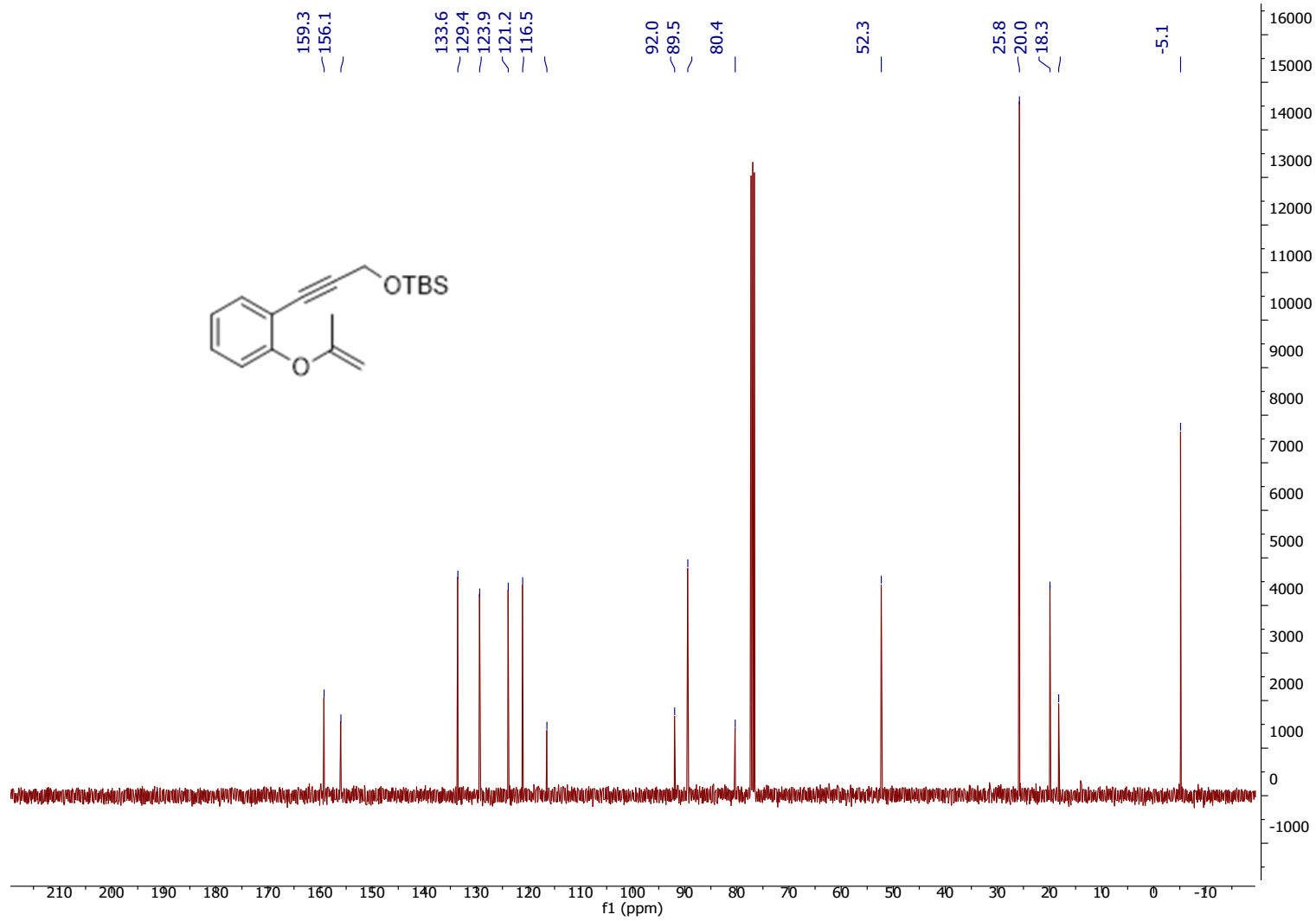
11: 1-(hex-1-yn-1-yl)-2-(vinylloxy)benzene



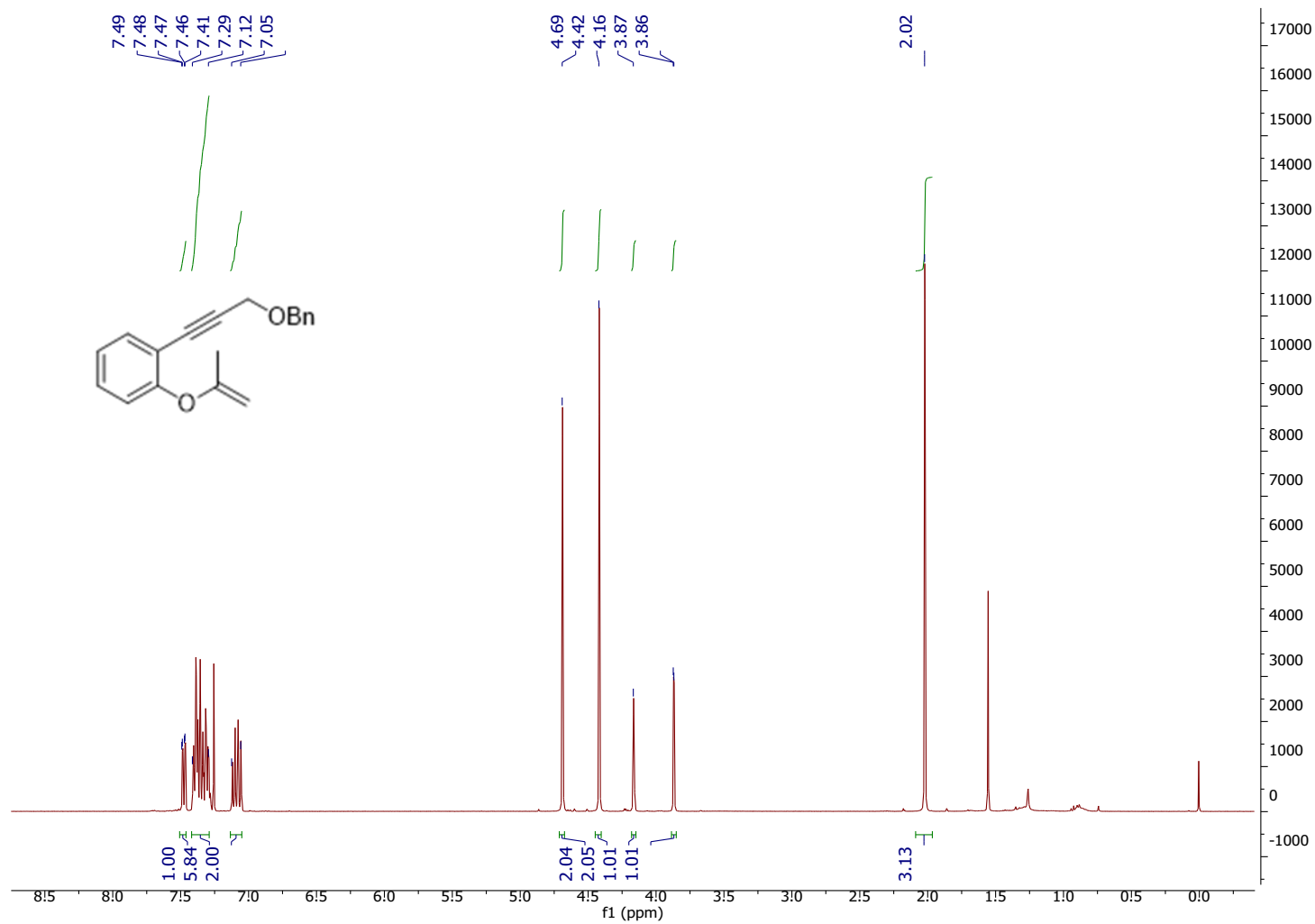


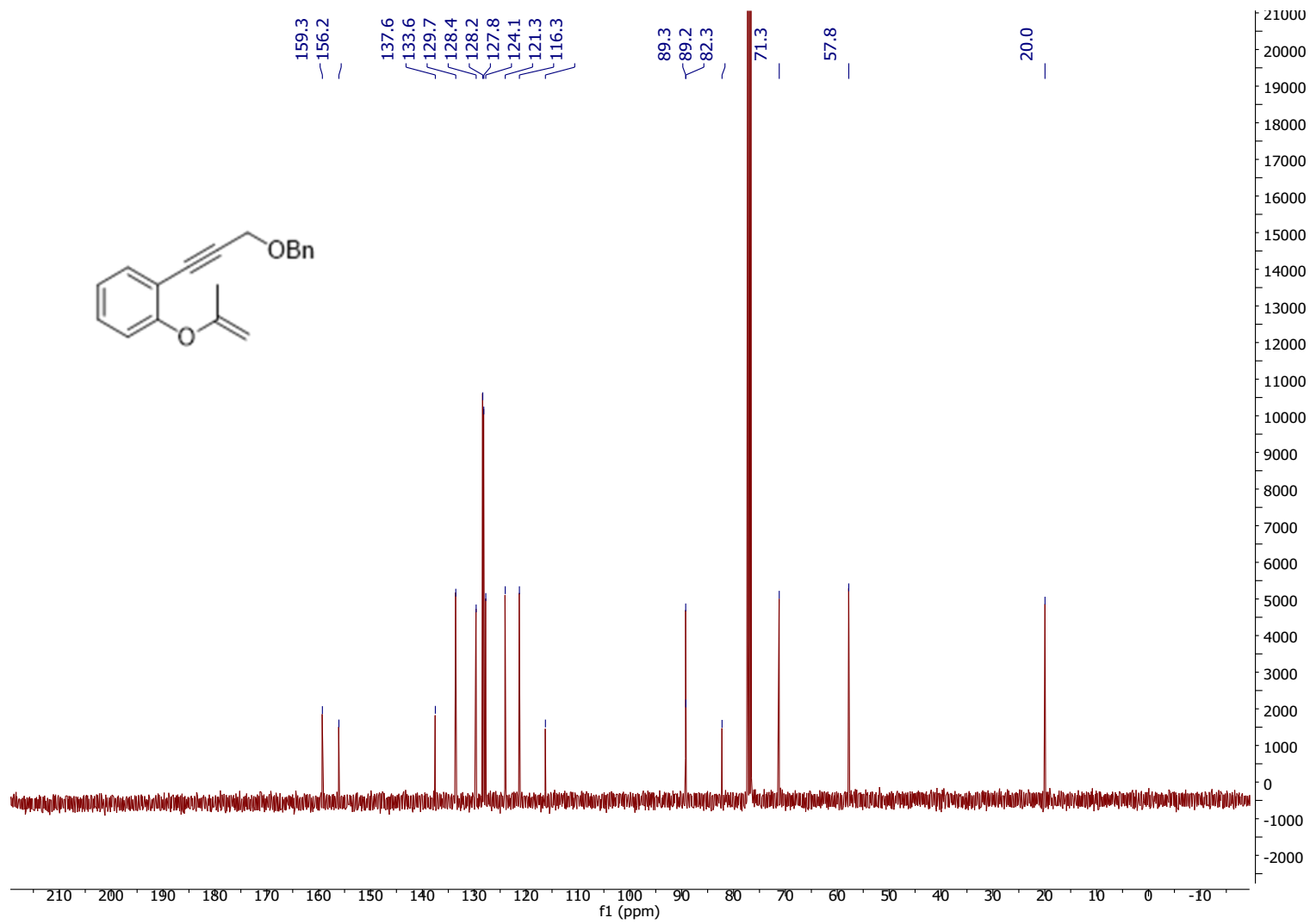
1m: *tert*-butyldimethyl((3-(2-(prop-1-en-2-yloxy)phenyl)prop-2-yn-1-yl)oxy)silane



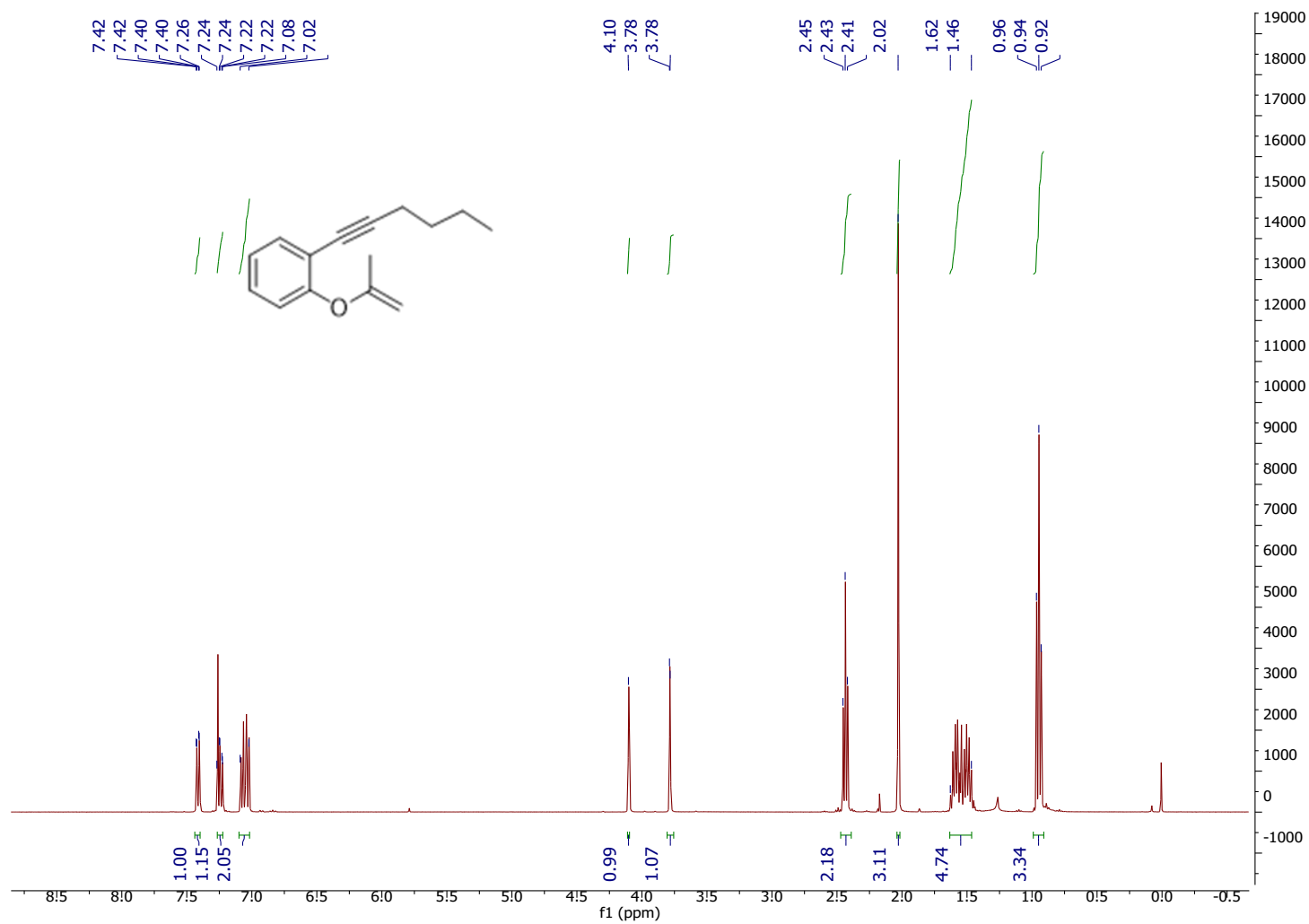


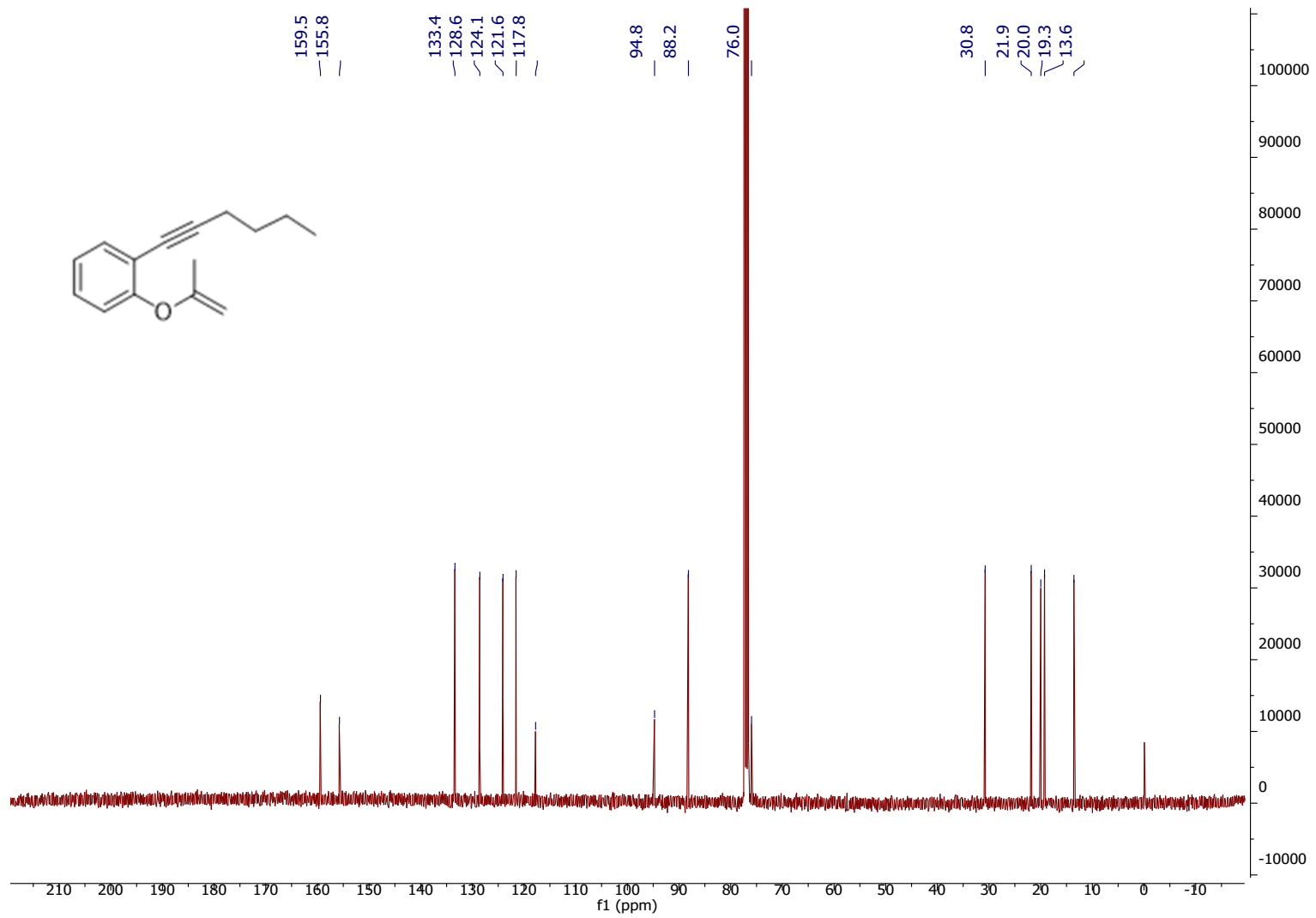
1n: 1-(3-(benzyloxy)prop-1-yn-1-yl)-2-(prop-1-en-2-yloxy)benzene



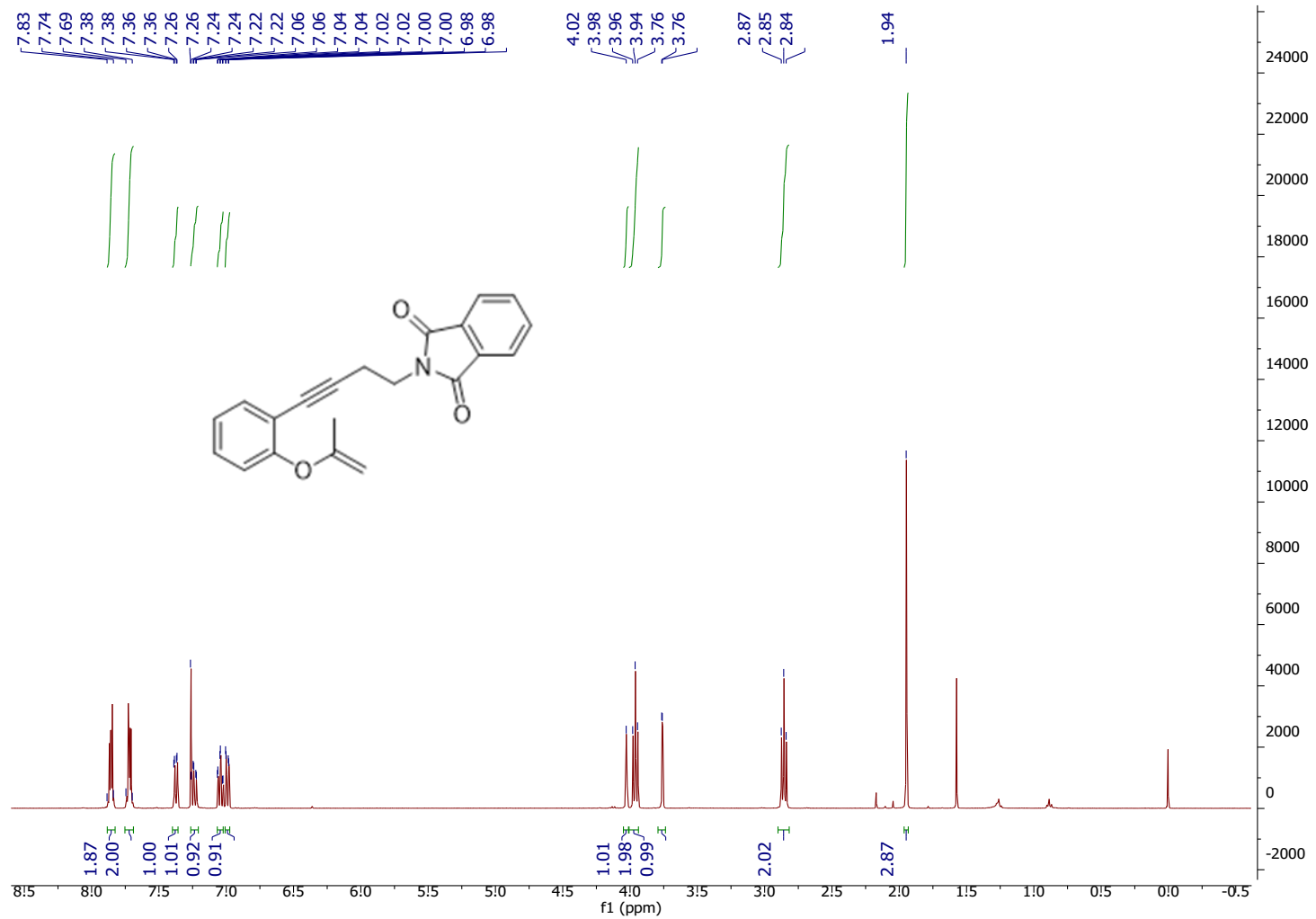


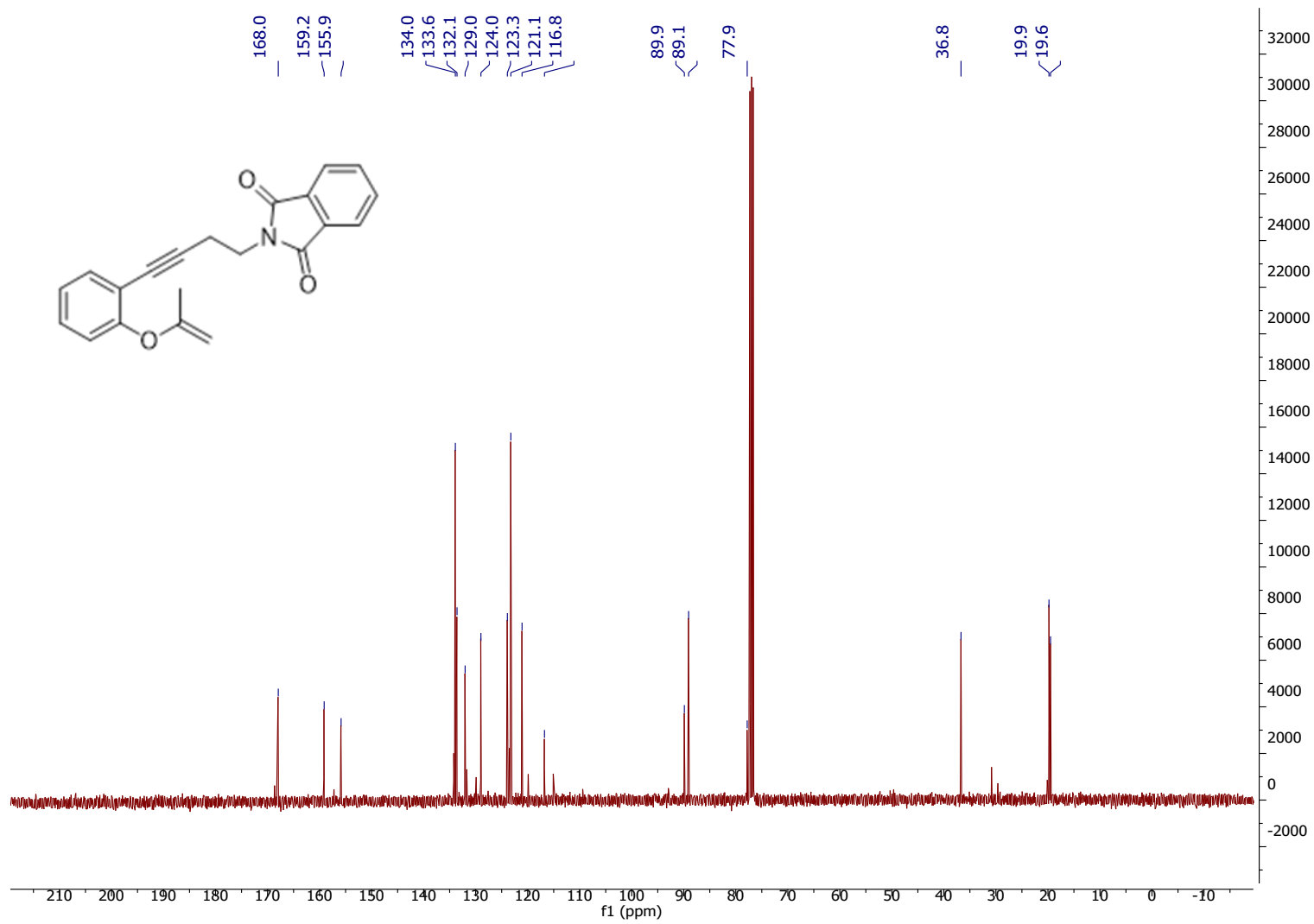
1o: 1-(hex-1-yn-1-yl)-2-(prop-1-en-2-yloxy)benzene



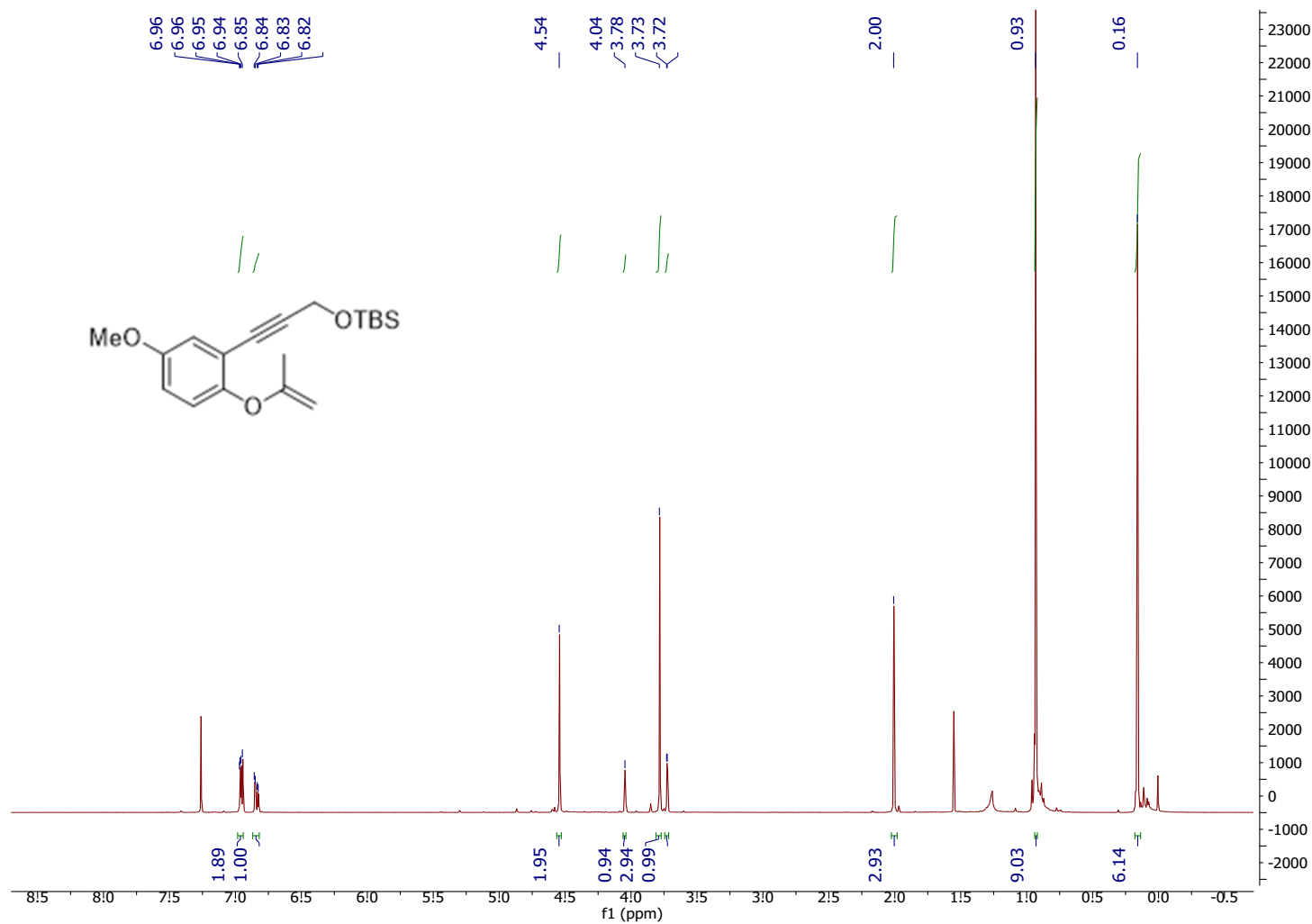


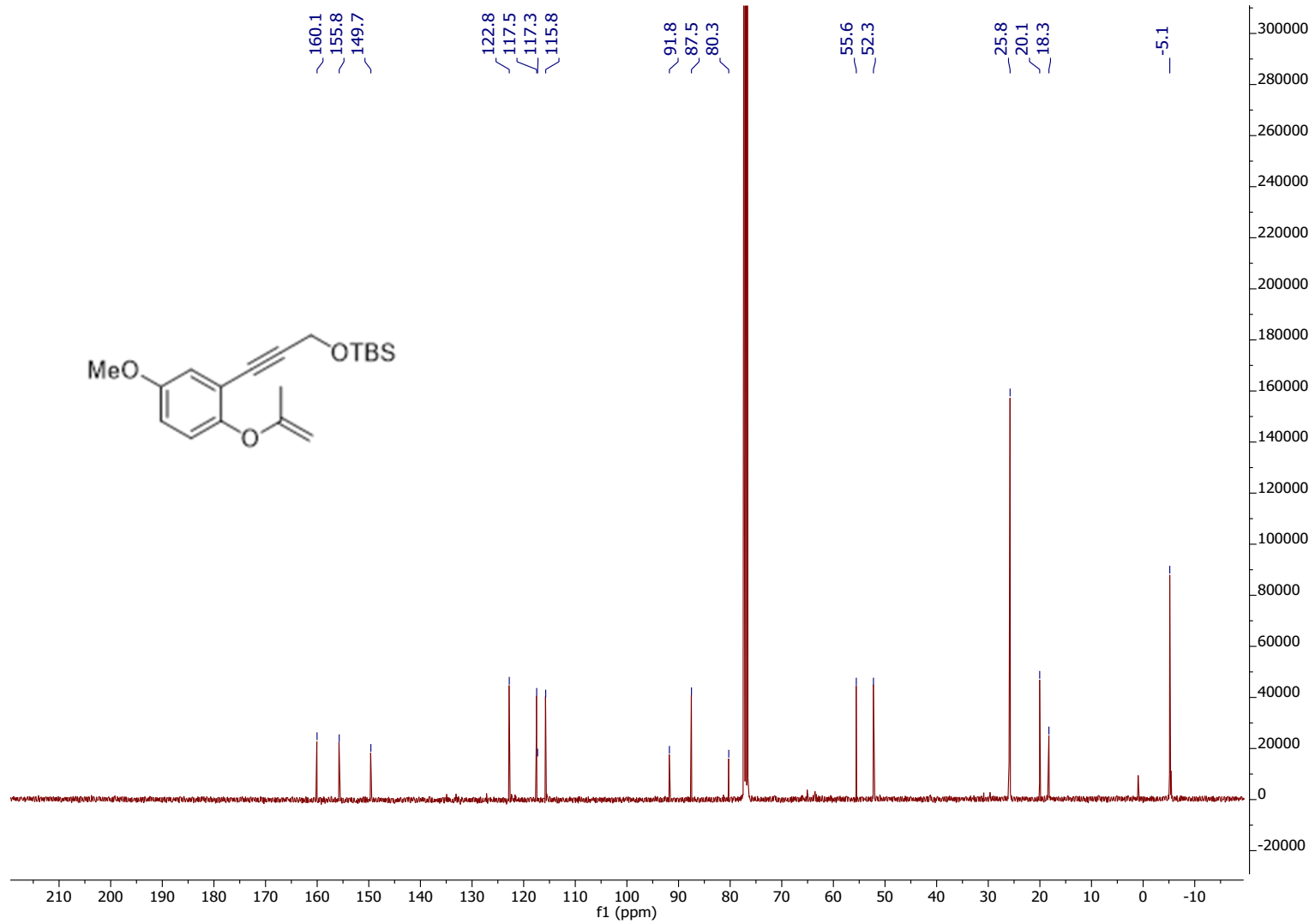
1p: 2-(4-(2-(prop-1-en-2-yloxy)phenyl)but-3-yn-1-yl)isoindoline-1,3-dione



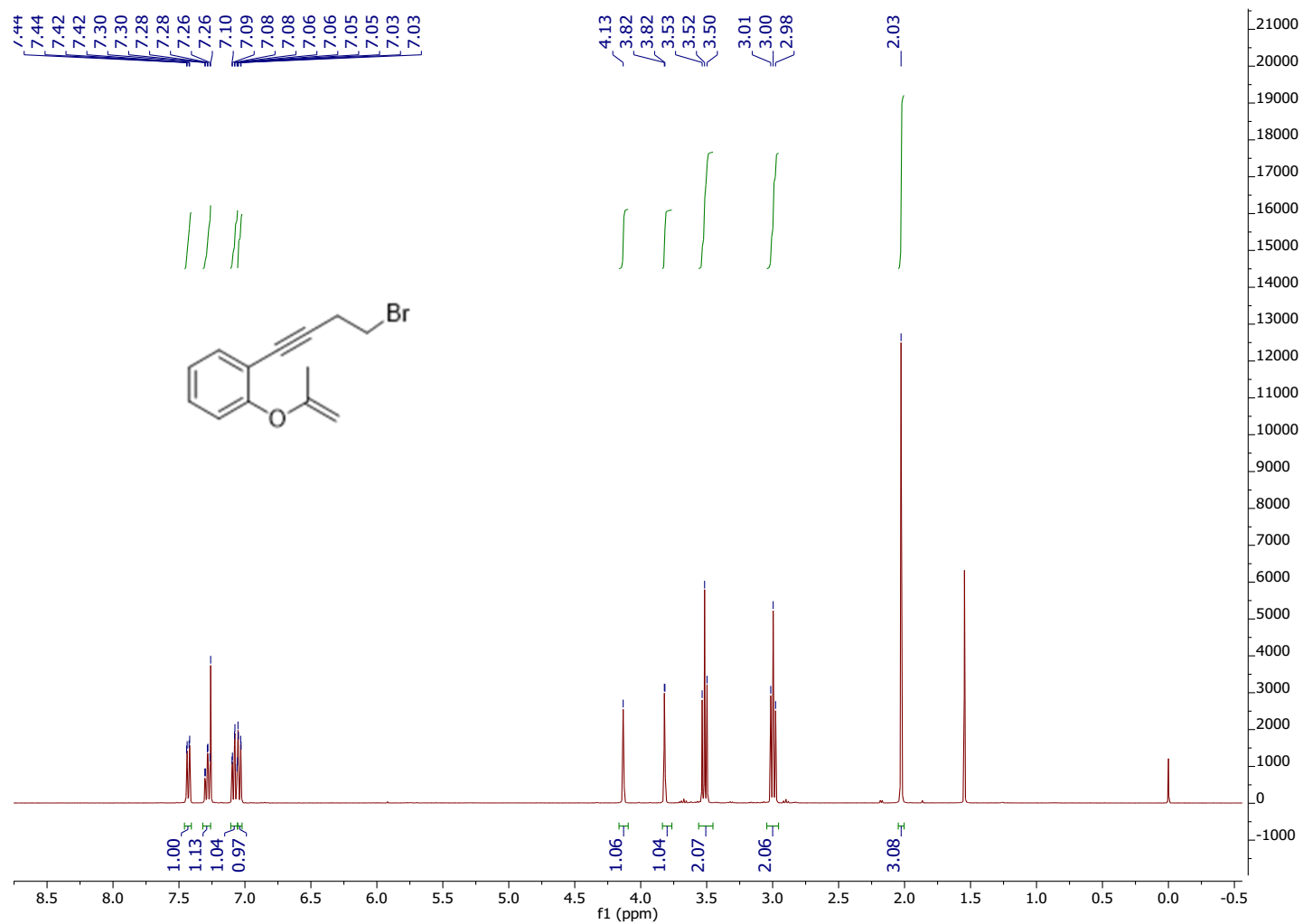


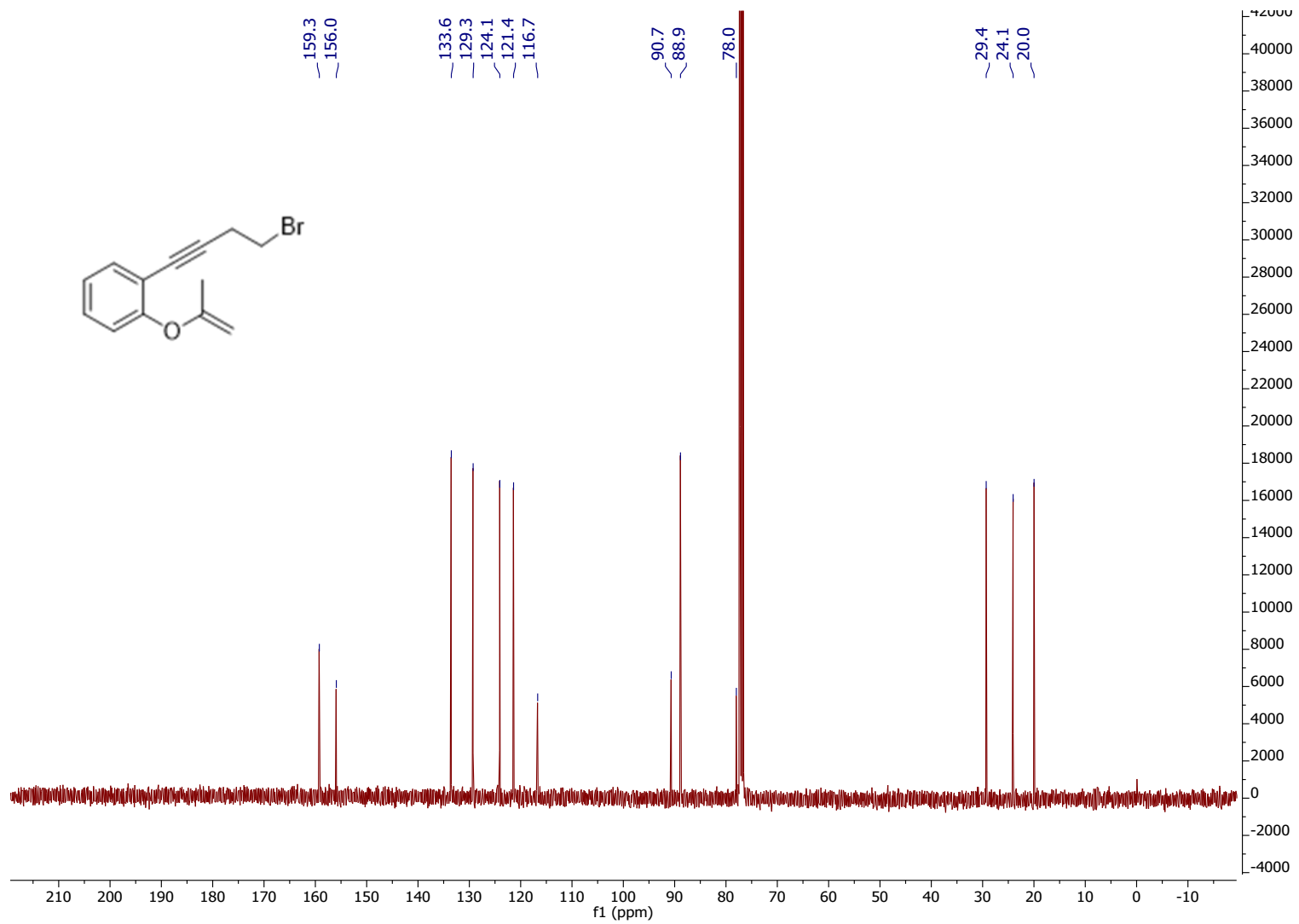
1q: *tert*-butyl((3-(5-methoxy-2-(prop-1-en-2-yloxy)phenyl)prop-2-yn-1-yl)oxy)dimethylsilane





1r: 1-(4-bromobut-1-yn-1-yl)-2-(prop-1-en-2-yloxy)benzene





1s: *tert*-butyl((3-(5-fluoro-2-(prop-1-en-2-yloxy)phenyl)prop-2-yn-1-yl)oxy)dimethylsilane

