

Supplementary Material

Approaches to the synthesis of the C1-C15 fragment of dolabelide C

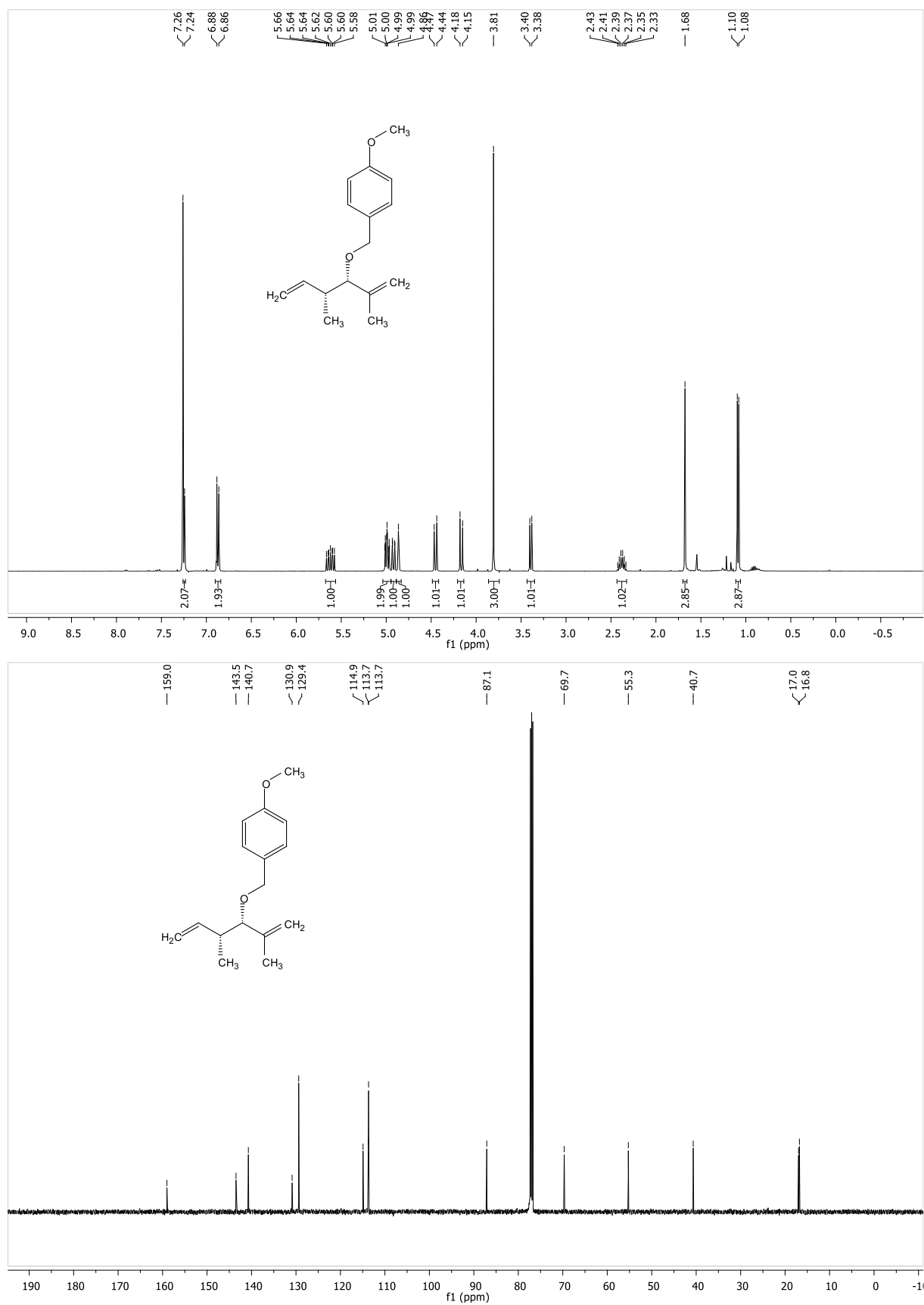
Alexander F. Tiniakos and Joëlle Prunet*

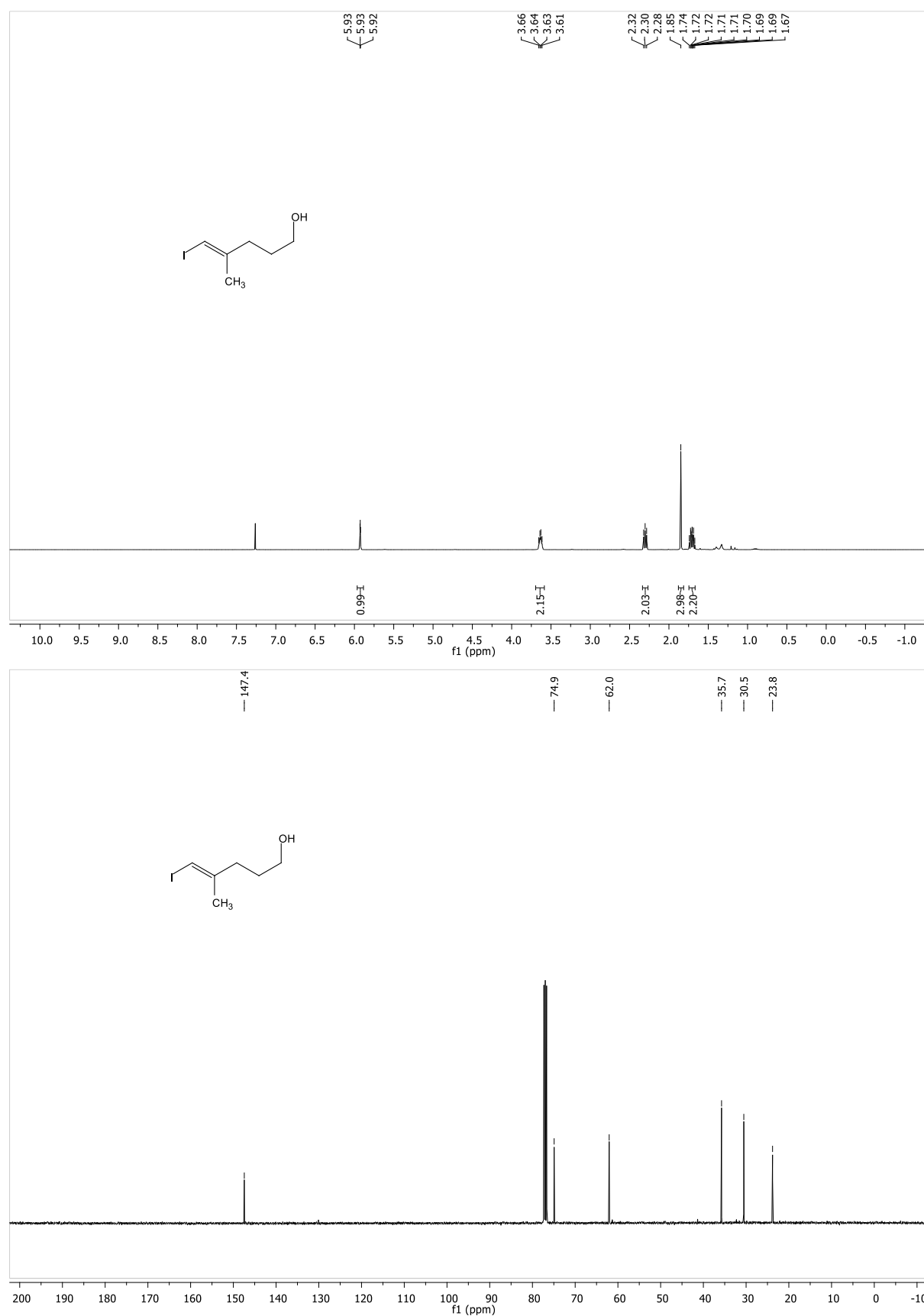
School Chemistry, University of Glasgow, Joseph Black Building, Glasgow G12 8QQ, UK

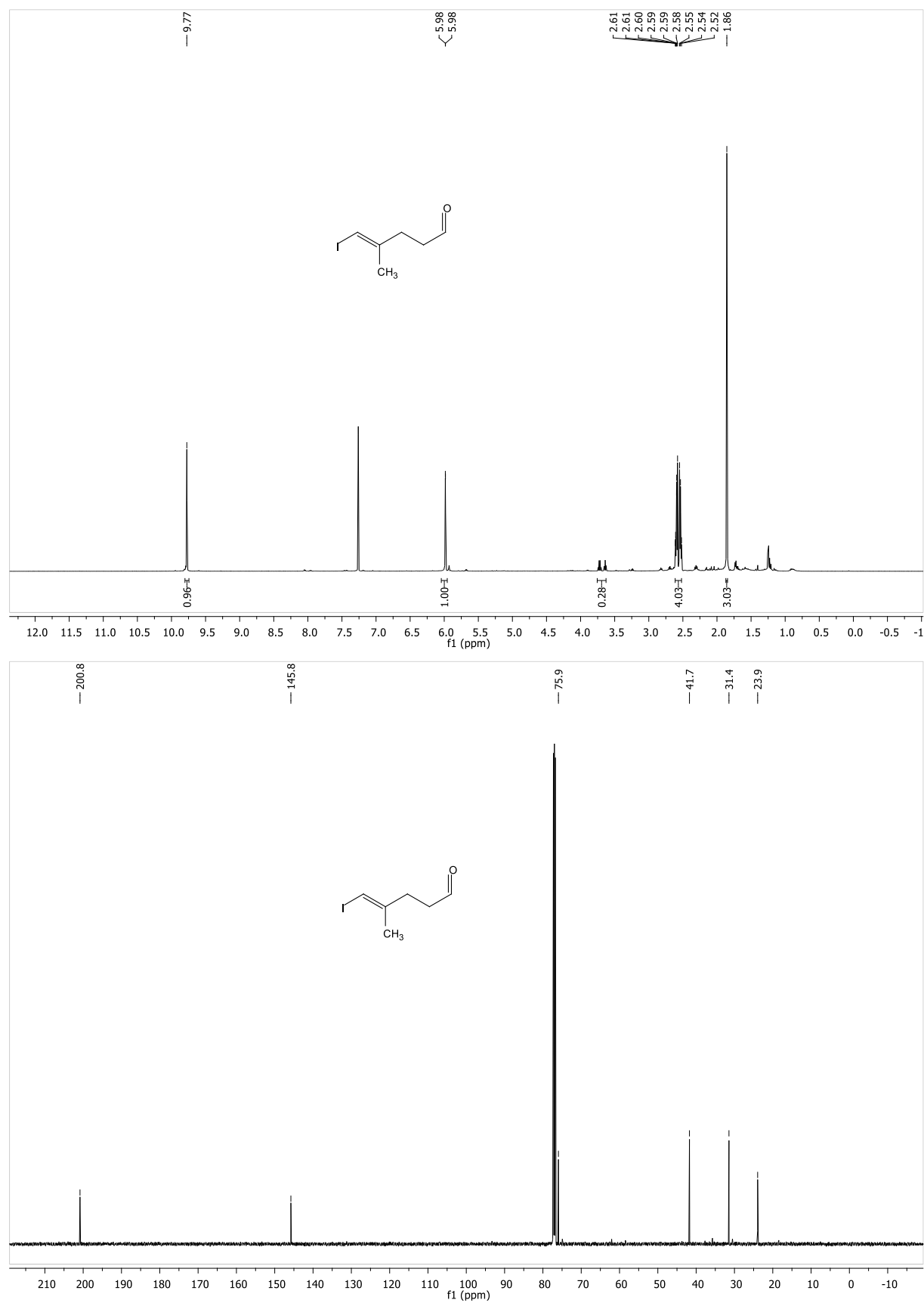
Email: joelle.prunet@glasgow.ac.uk

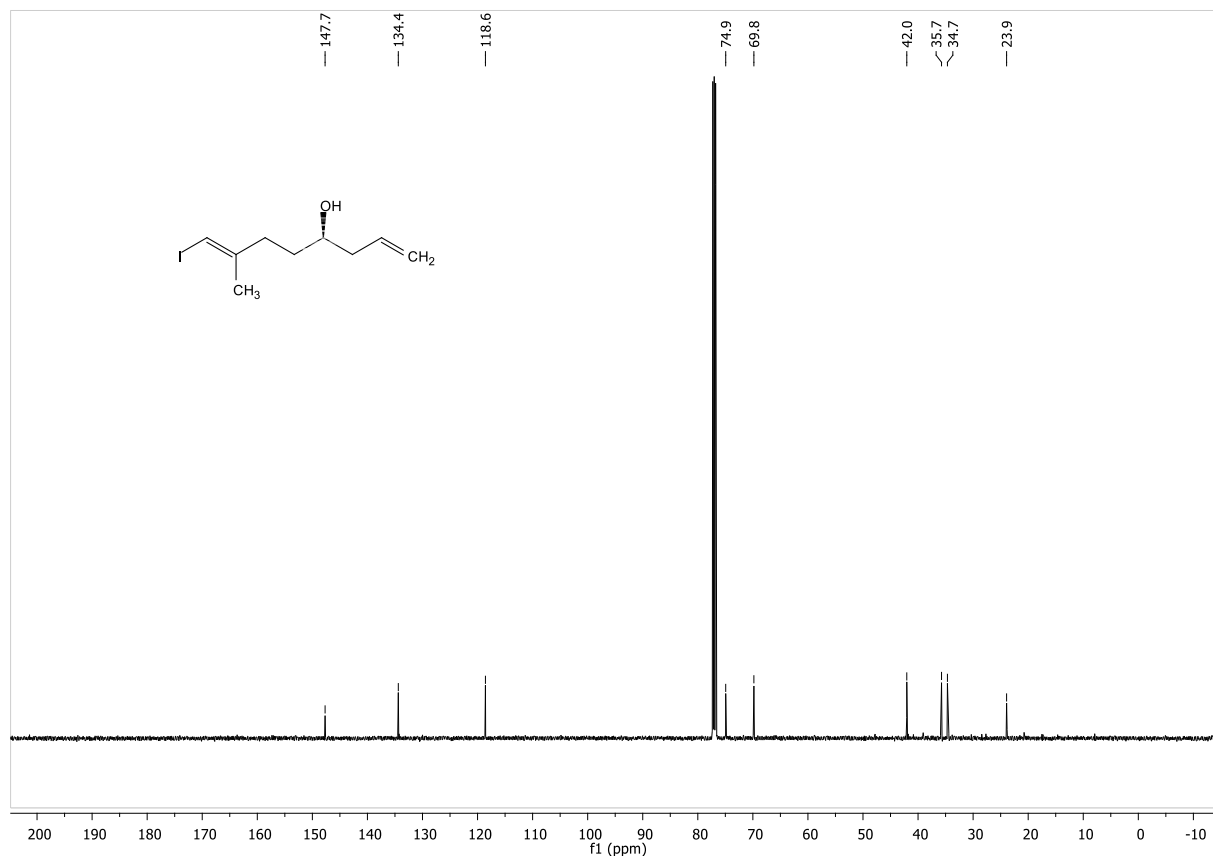
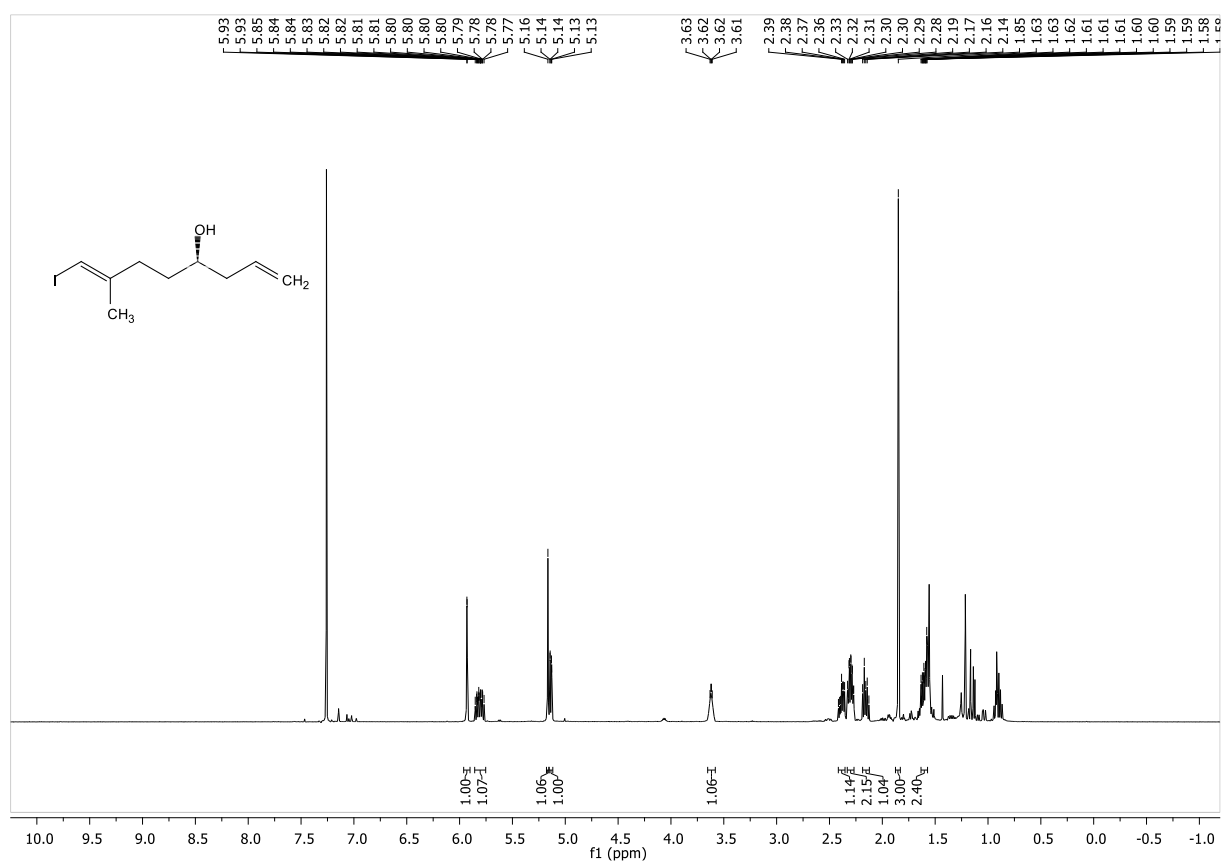
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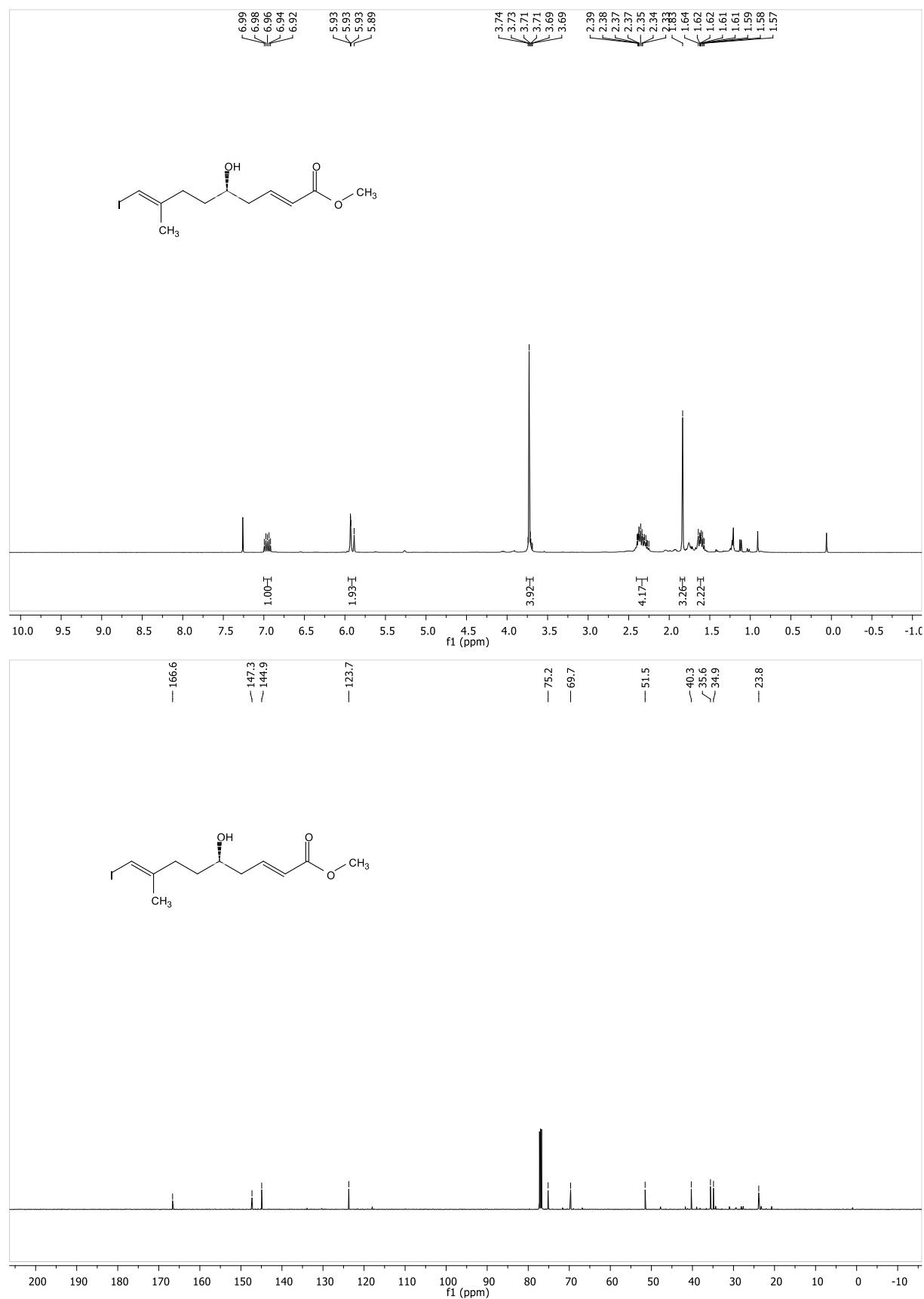
¹ H and ¹³ C NMR spectra	S2
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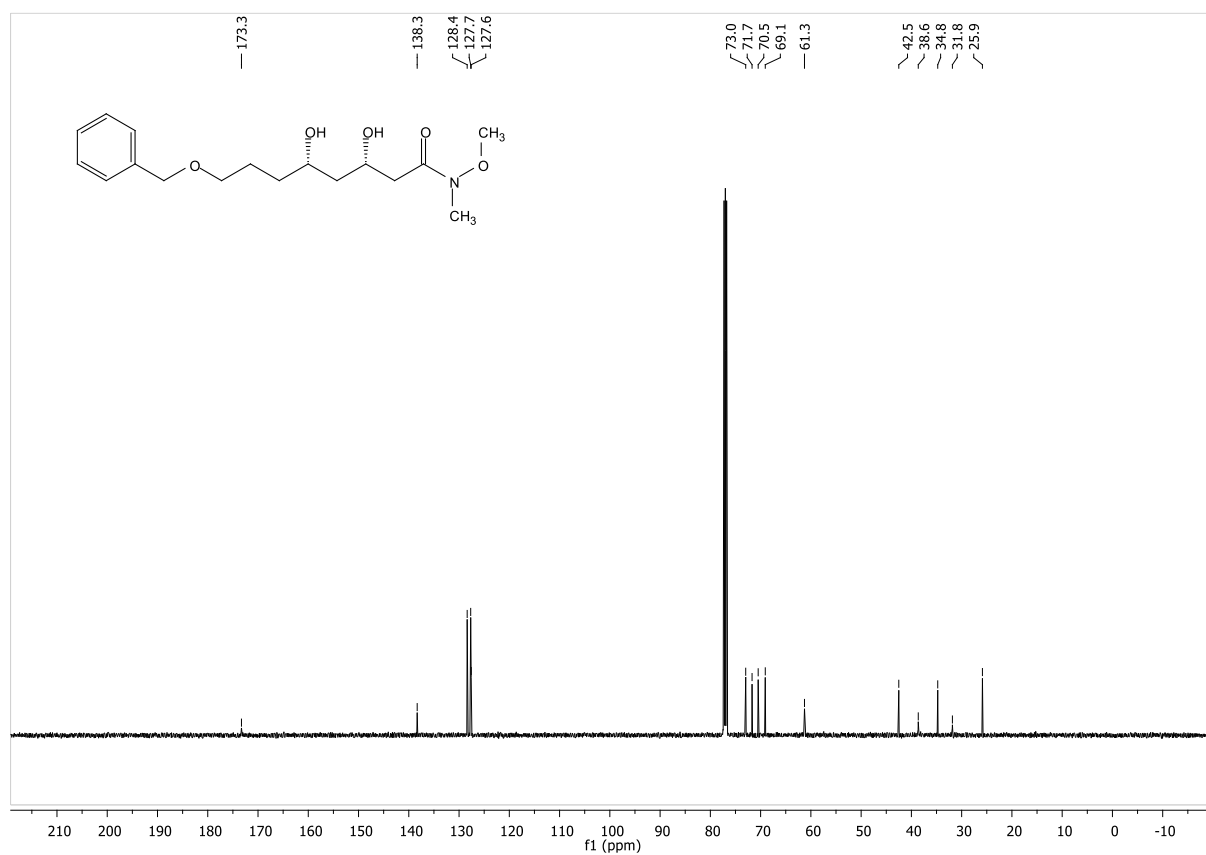
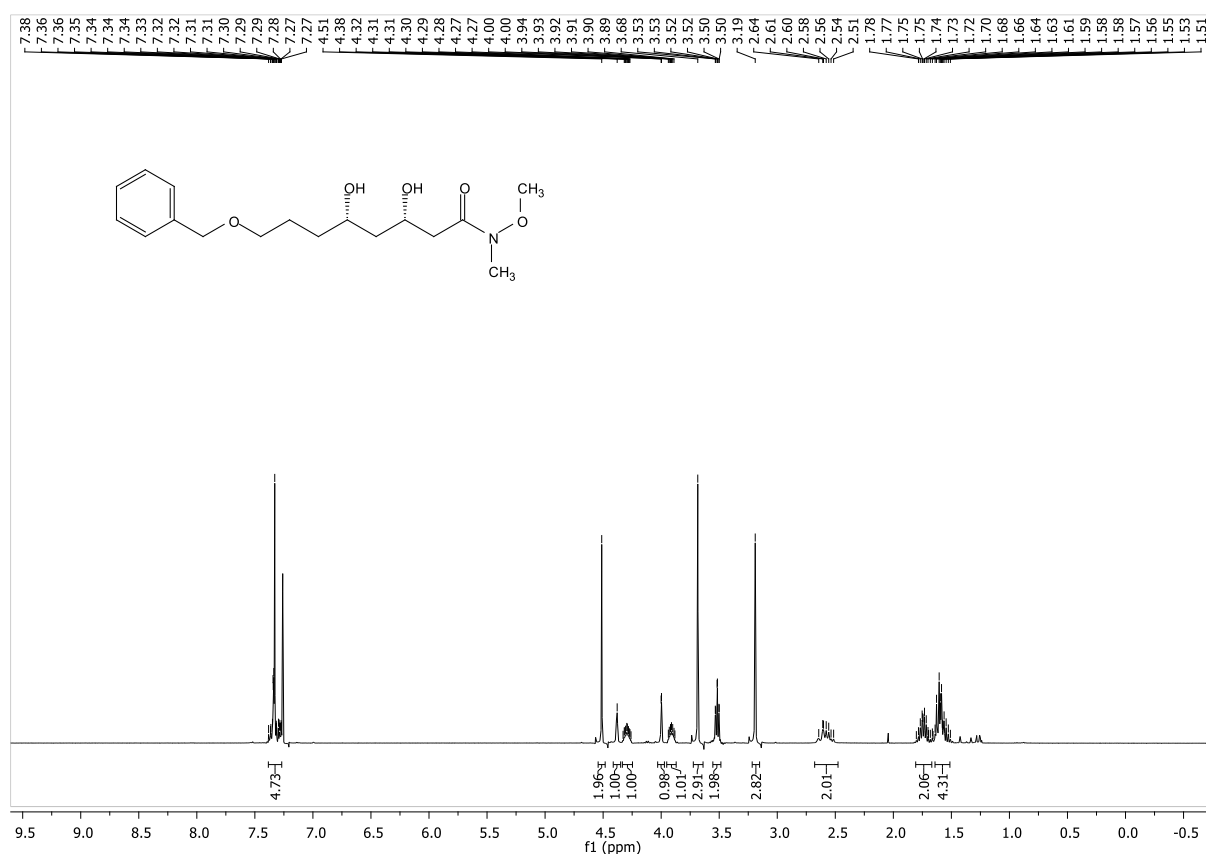
1-(((3*S*,4*R*)-2,4-Dimethylhexa-1,5-dien-3-yl)oxy)methyl)-4-methoxybenzene 13

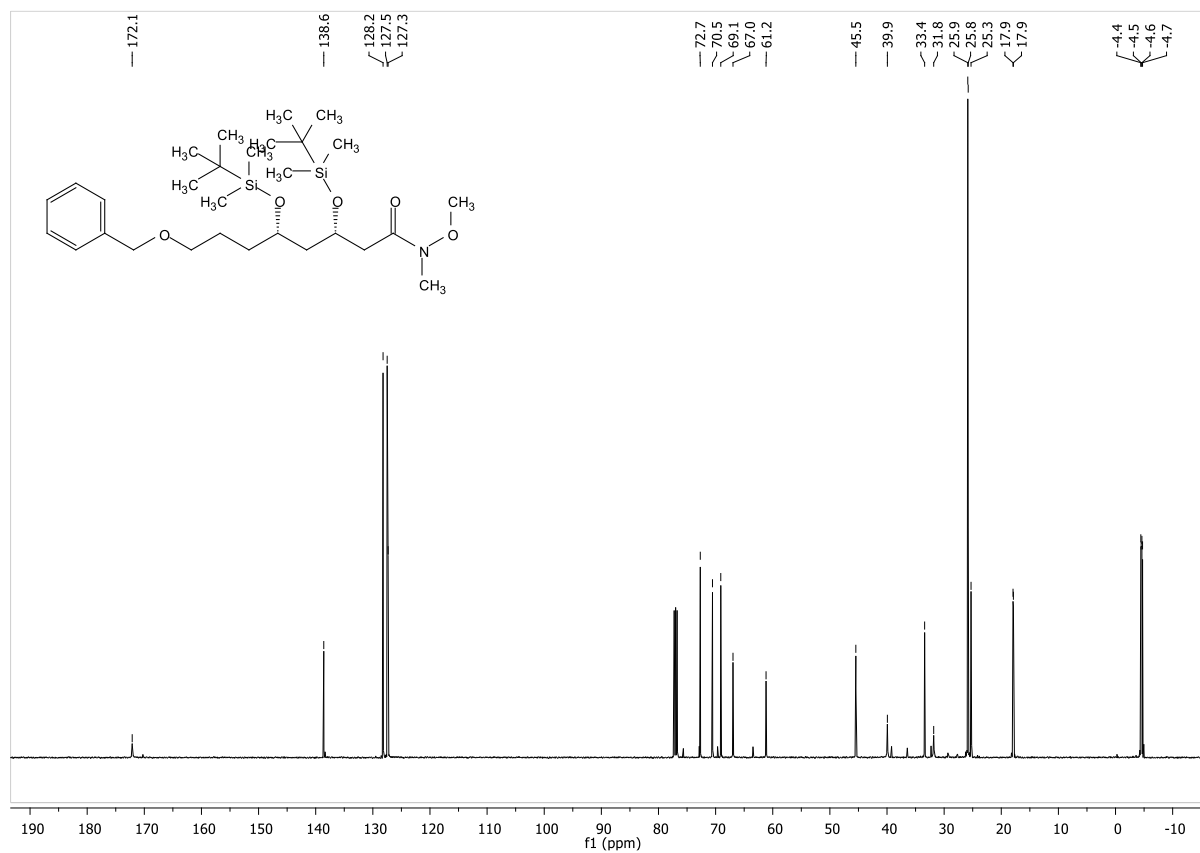
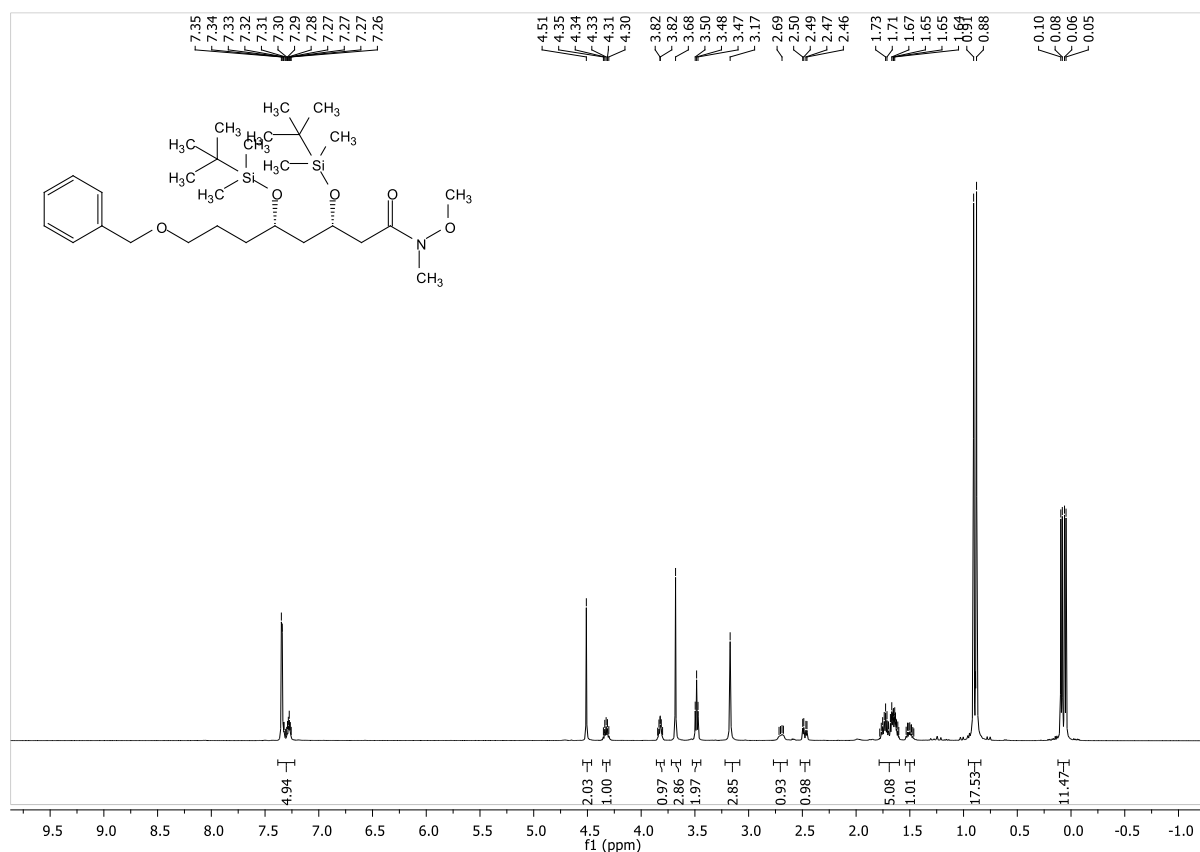
(E)-5-Iodo-4-methylpent-4-en-1-ol 18

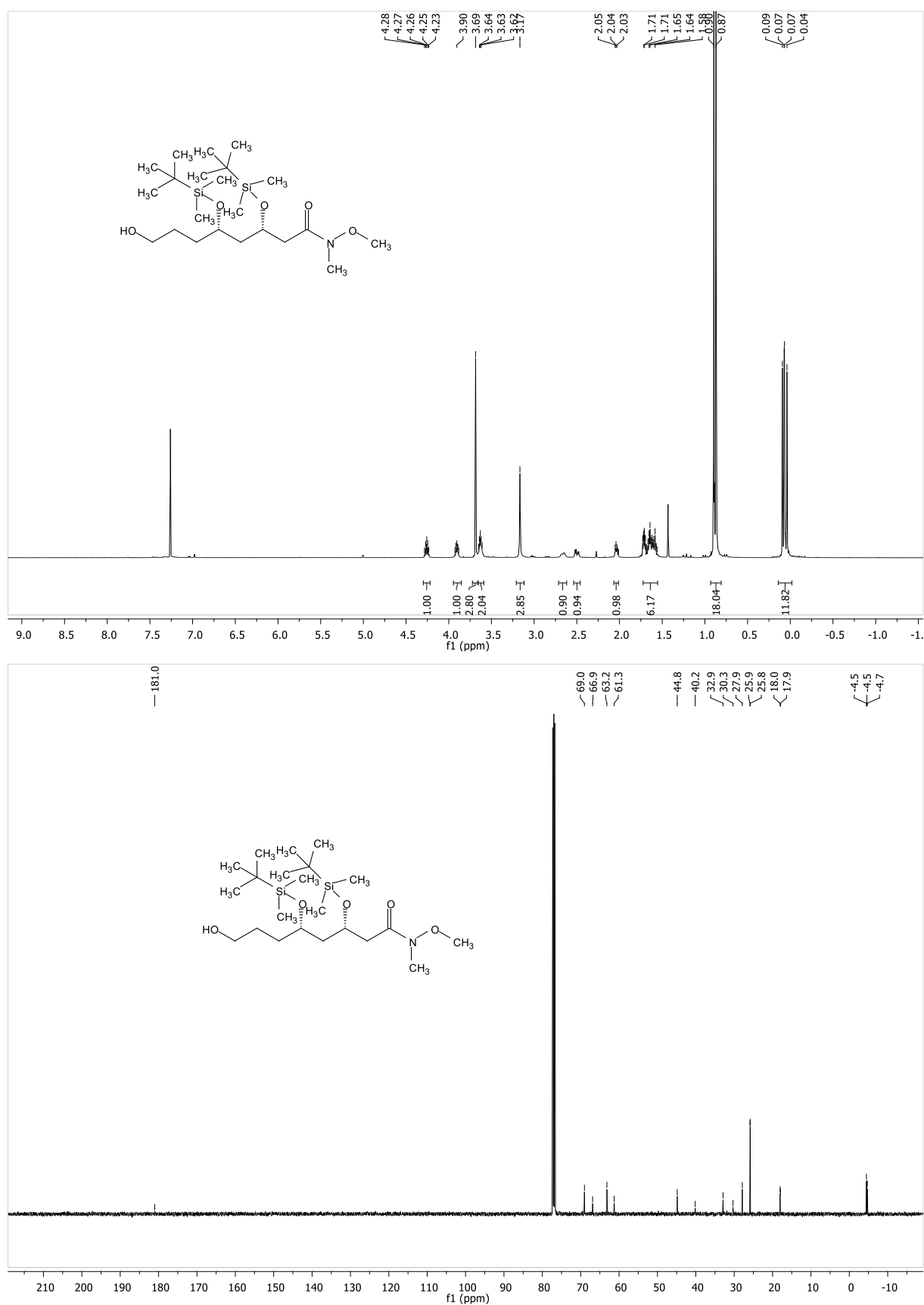
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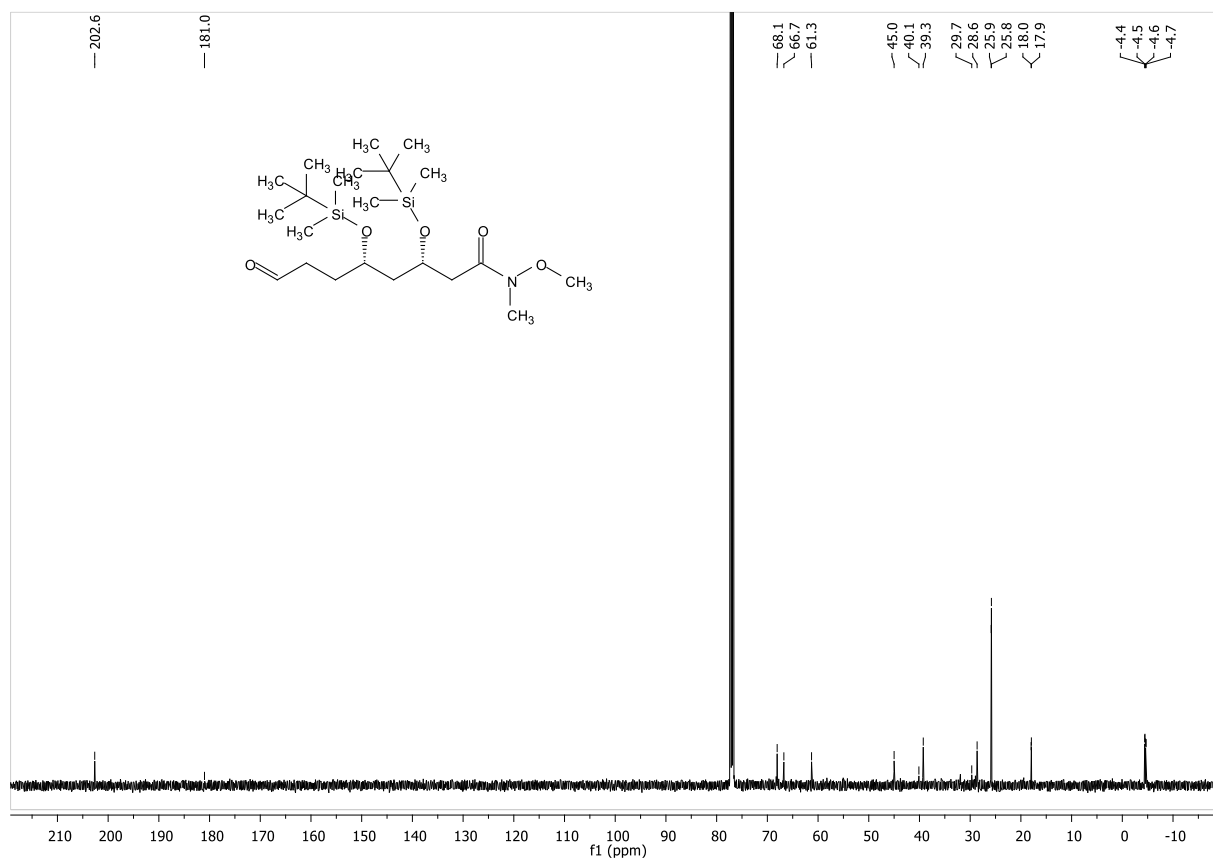
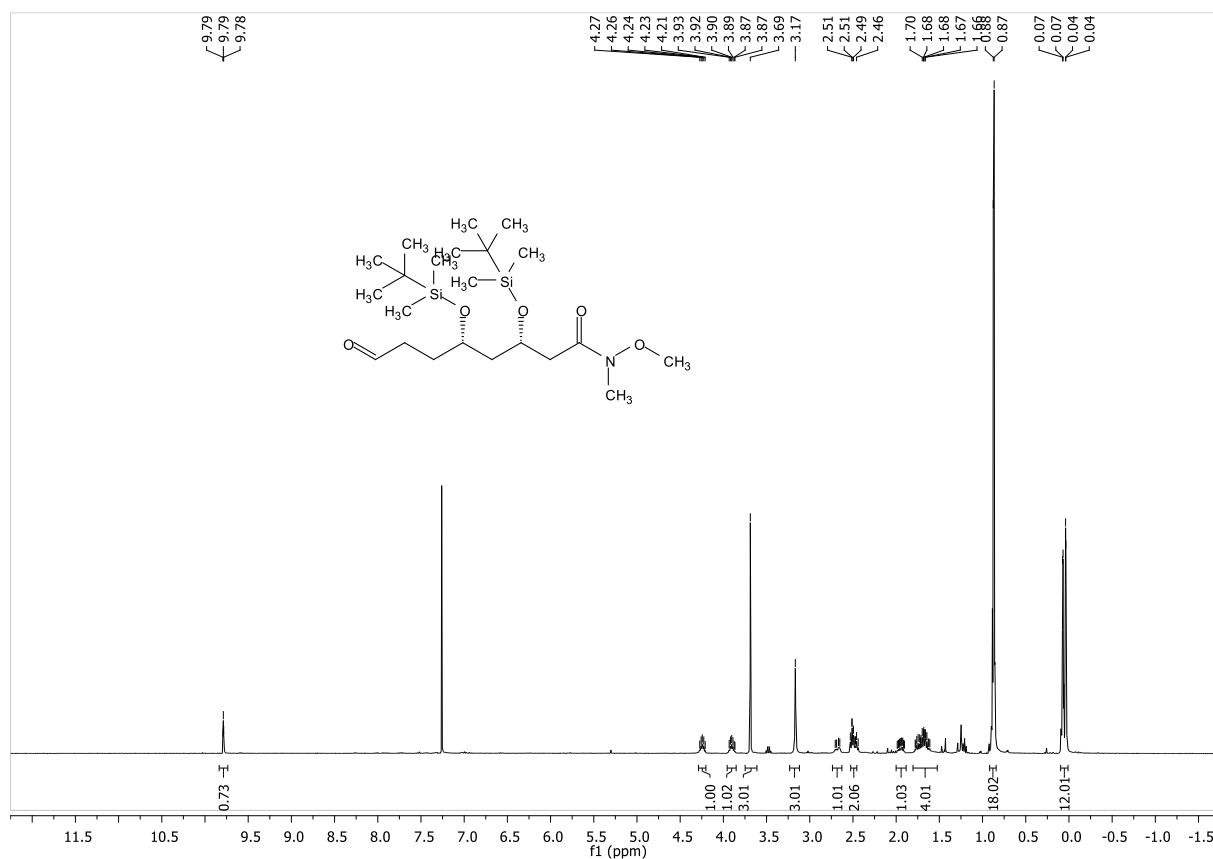
(*R,E*)-8-Iodo-7-methylocta-1,7-dien-4-ol 16

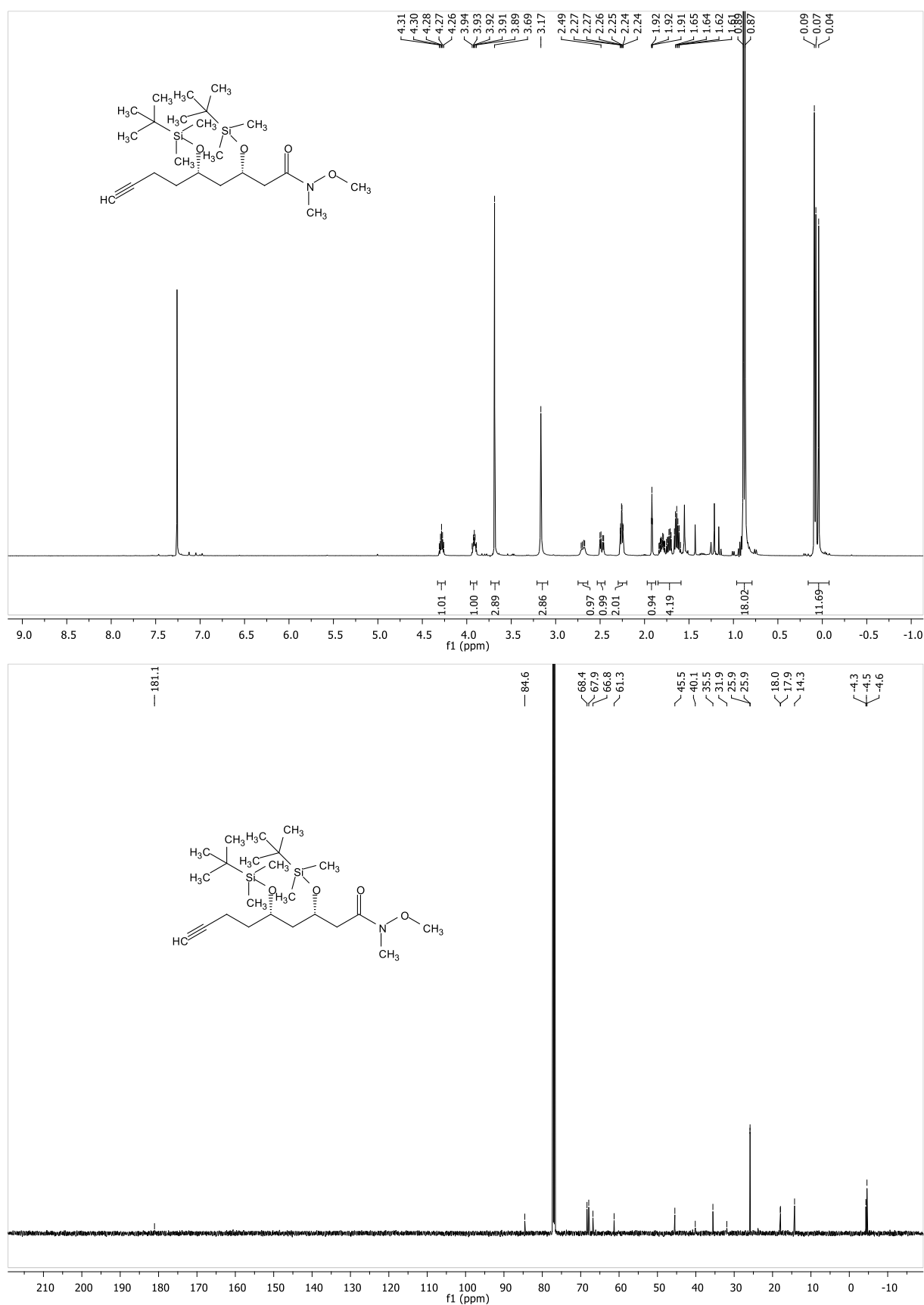
Methyl (*R*,2*E*,8*E*)-5-hydroxy-9-iodo-8-methylnona-2,8-dienoate 15

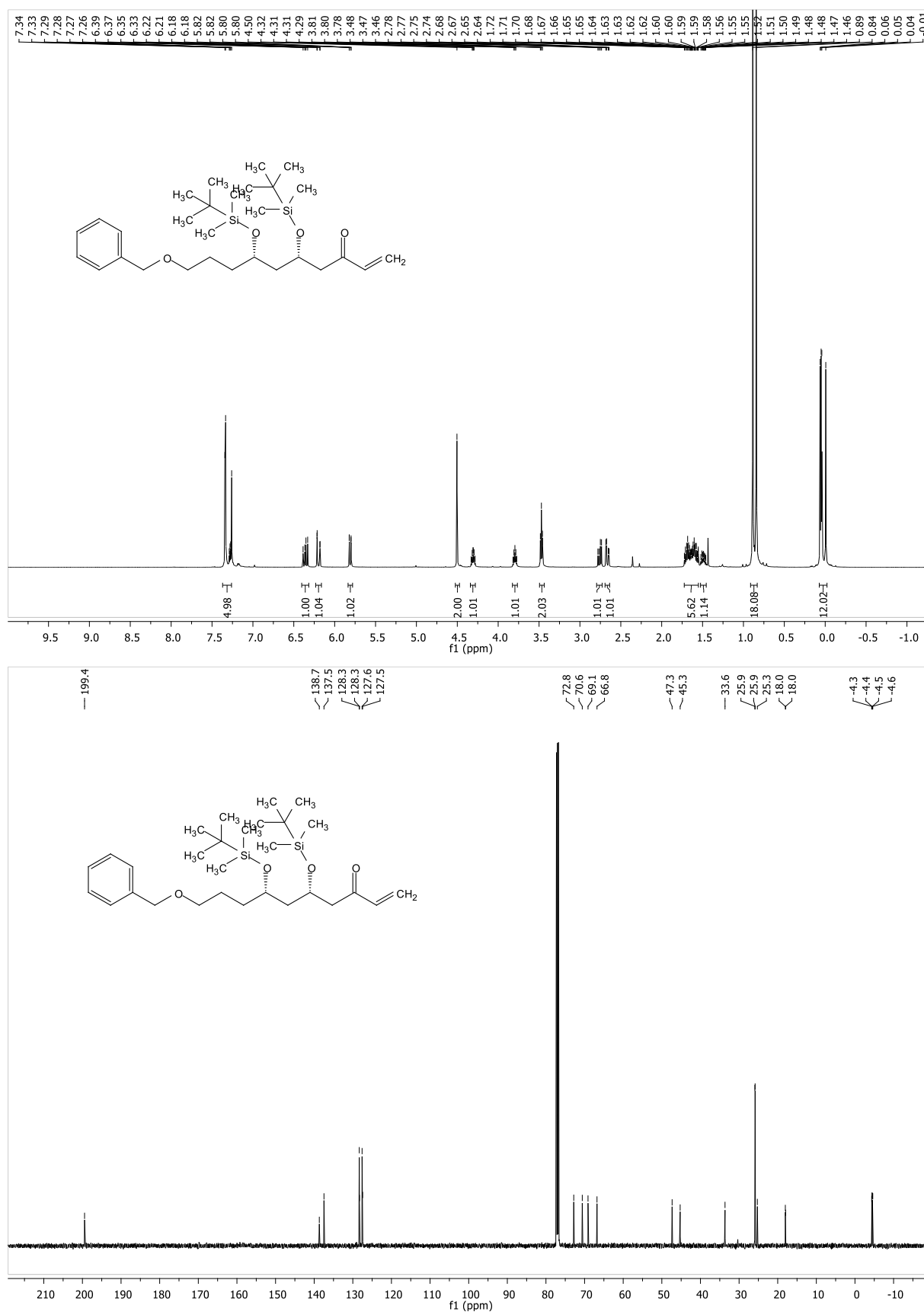
(3S,5S)-8-(Benzyloxy)-3,5-dihydroxy-N-methoxy-N-methyloctanamide 21

(3*S*,5*S*)-8-(Benzyloxy)-3,5-bis(*tert*-butyldimethylsilyloxy)-*N*-methoxy-*N*-methyloctanamide 24

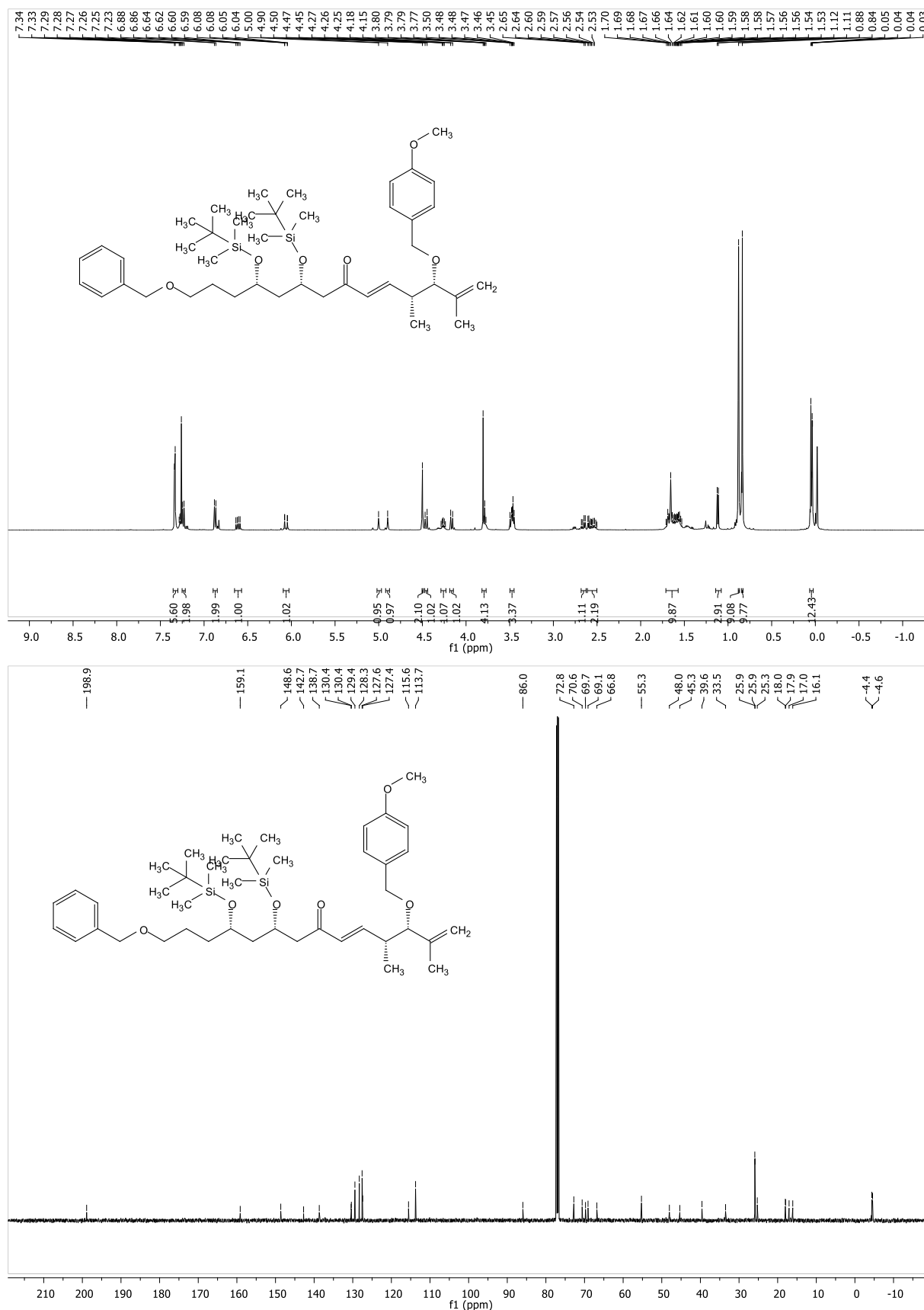
(3*S*,5*S*)-3,5-bis((*tert*-Butyldimethylsilyl)oxy)-8-hydroxy-*N*-methoxy-*N*-methyloctanamide 25

(3*S*,5*S*)-3,5-bis((*tert*-Butyldimethylsilyl)oxy)-*N*-methoxy-*N*-methyl-8-oxooctanamide

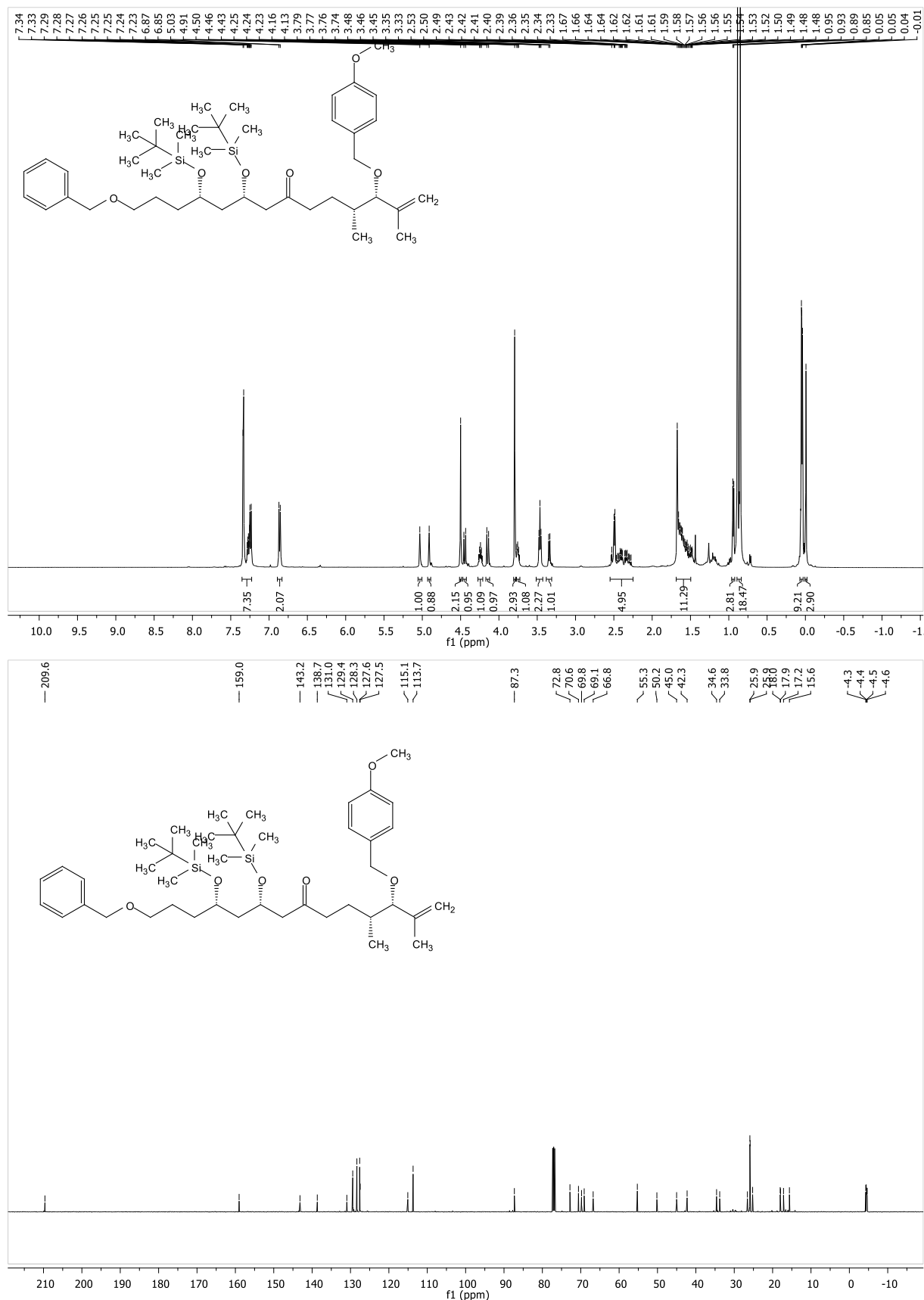
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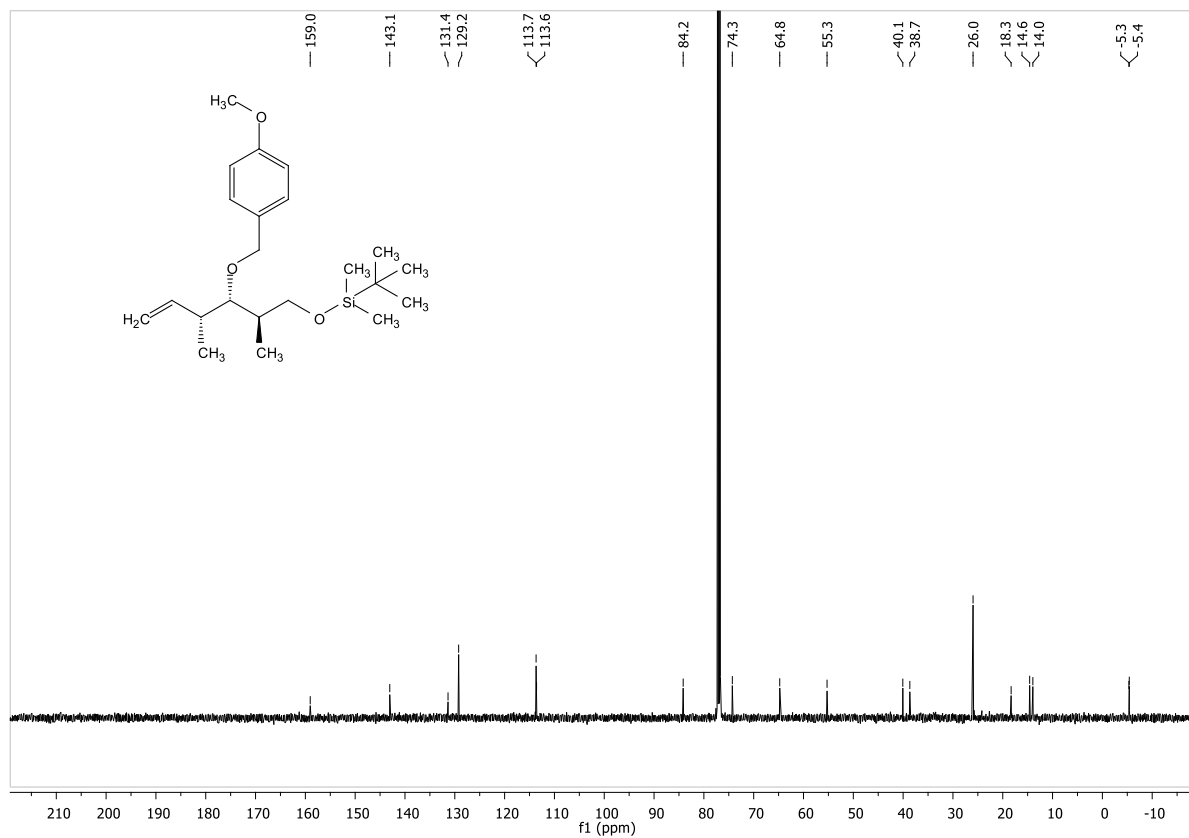
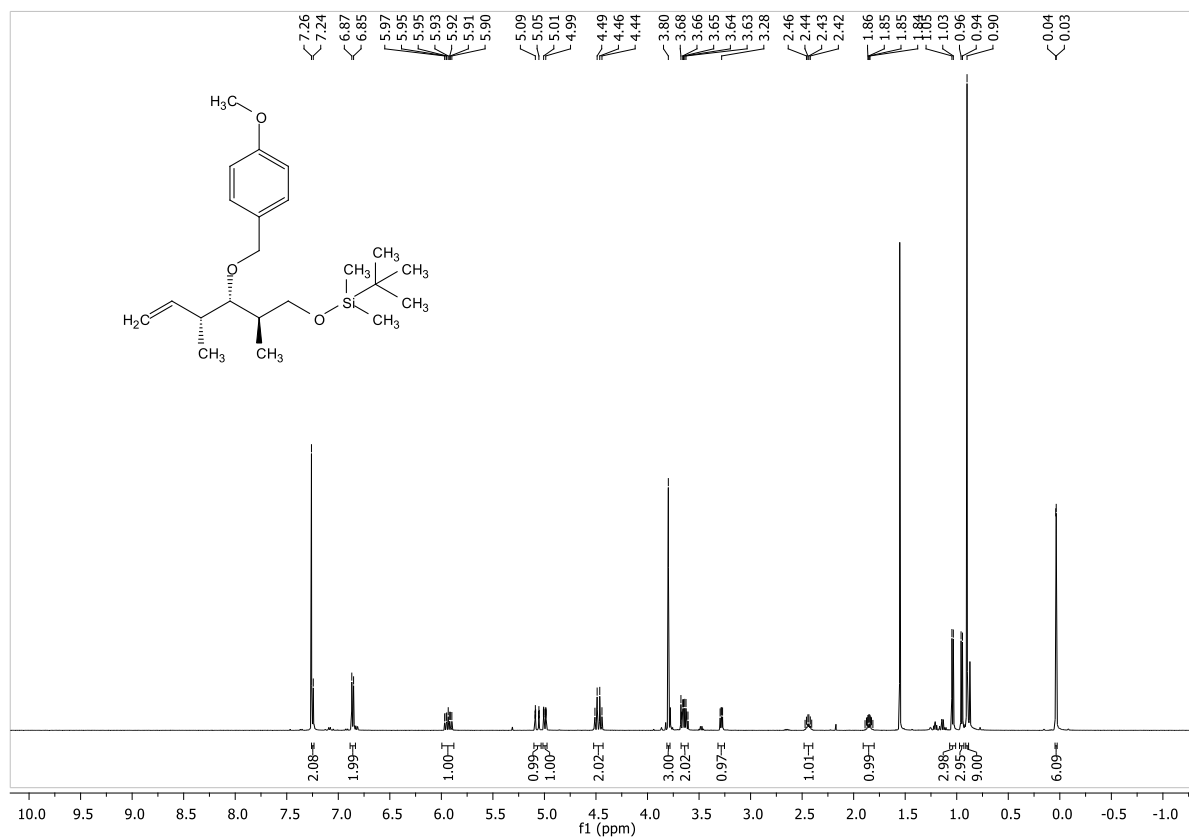
(5*S*,7*S*)-10-(Benzyloxy)-5,7-bis((*tert*-butyldimethylsilyl)oxy)dec-1-en-3-one 28

(3*S*,4*R*,9*S*,11*S*,*E*)-14-(Benzyloxy)-9,11-*bis*((*tert*-butyldimethylsilyl)oxy)-3-((4-methoxybenzyl)oxy)-2,4-dimethyltetradeca-1,5-dien-7-one 27

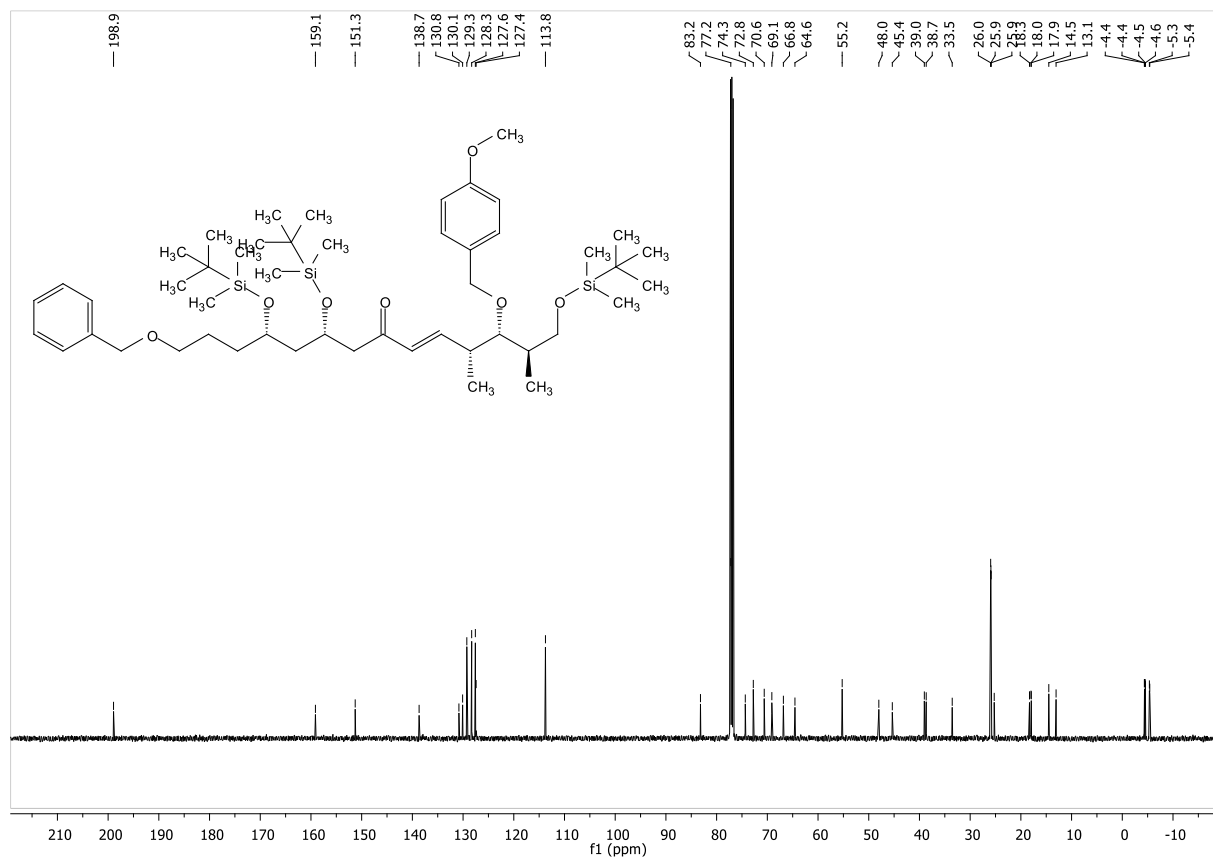
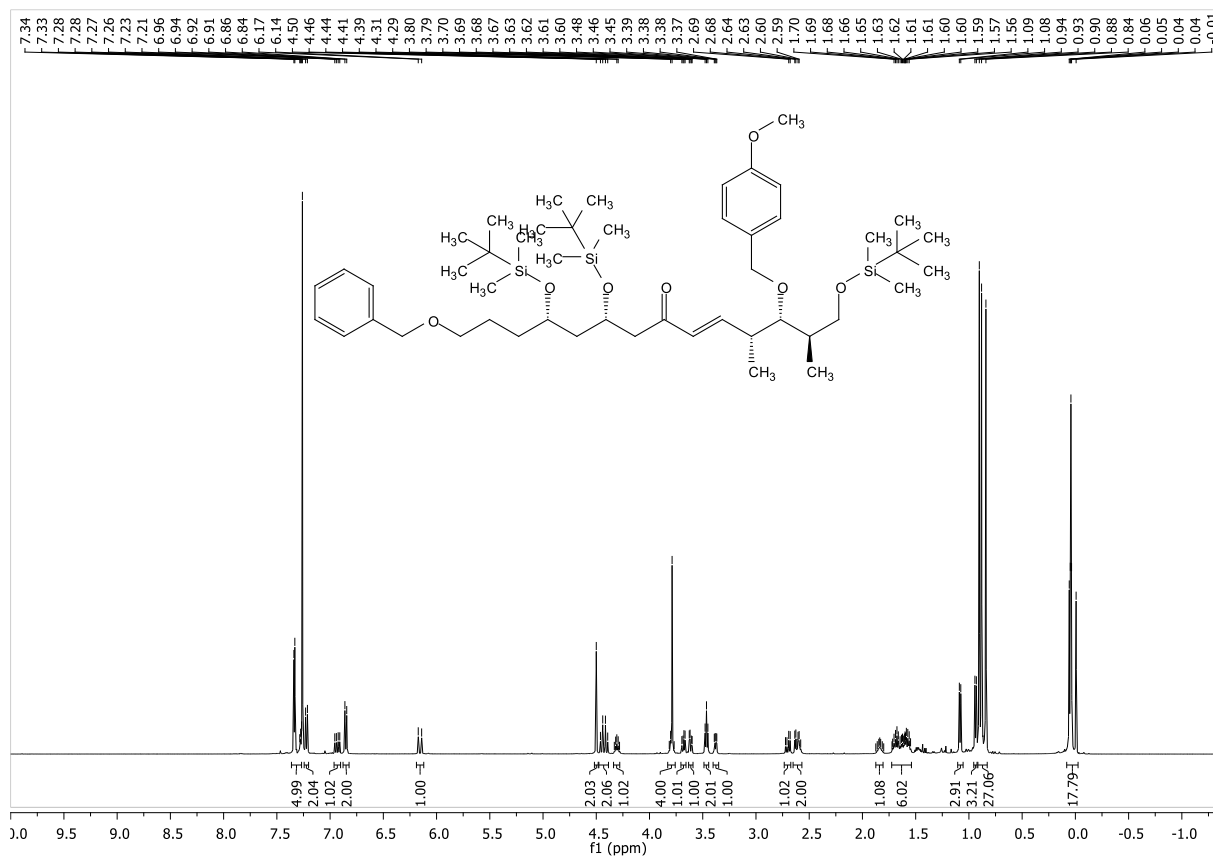


(3*S*,4*R*,9*S*,11*S*)-14-(Benzyloxy)-9,11-bis((*tert*-butyldimethylsilyl)oxy)-3-((4-methoxybenzyl)oxy)-2,4-dimethyltetradec-1-en-7-one 29

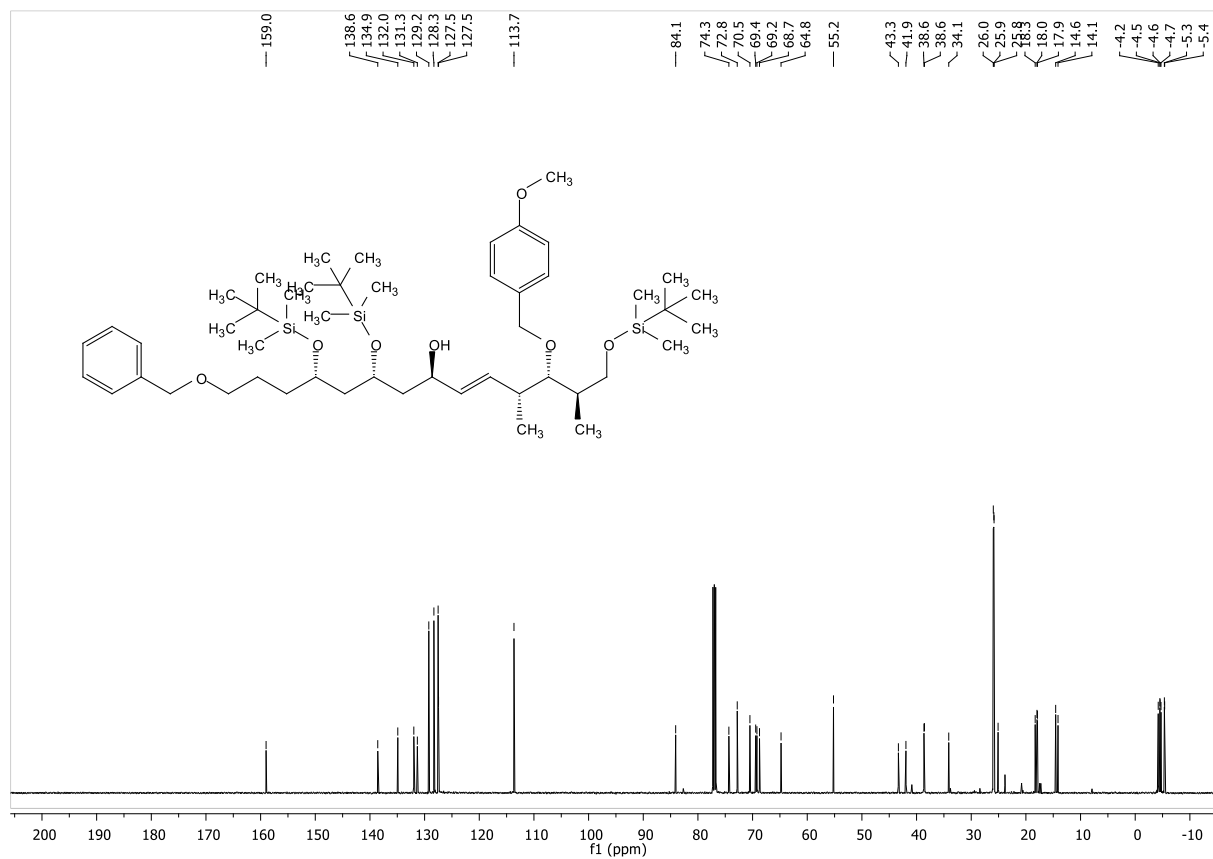
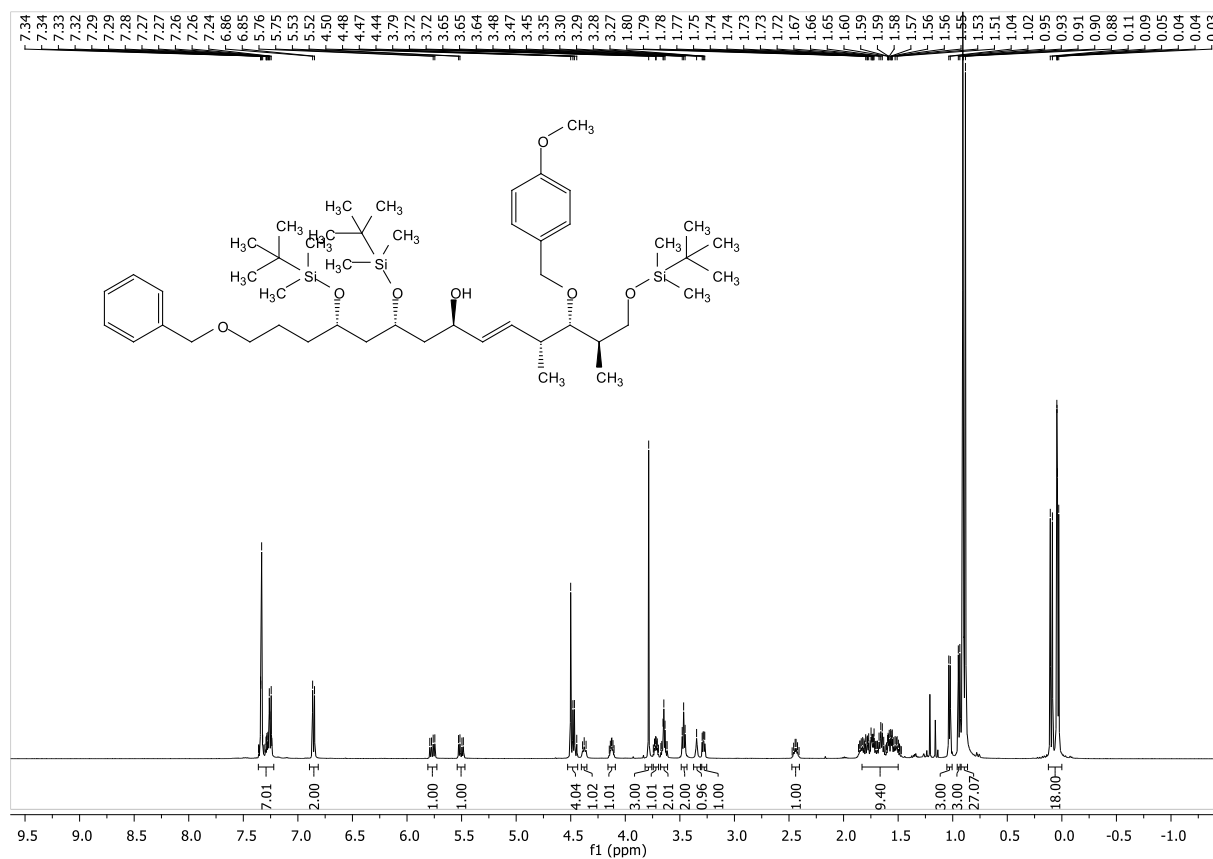


tert*-Butyl((2*R*,3*S*,4*R*)-3-(4-methoxybenzyloxy)-2,4-dimethylhex-5-enyloxy) dimethylsilane **32*

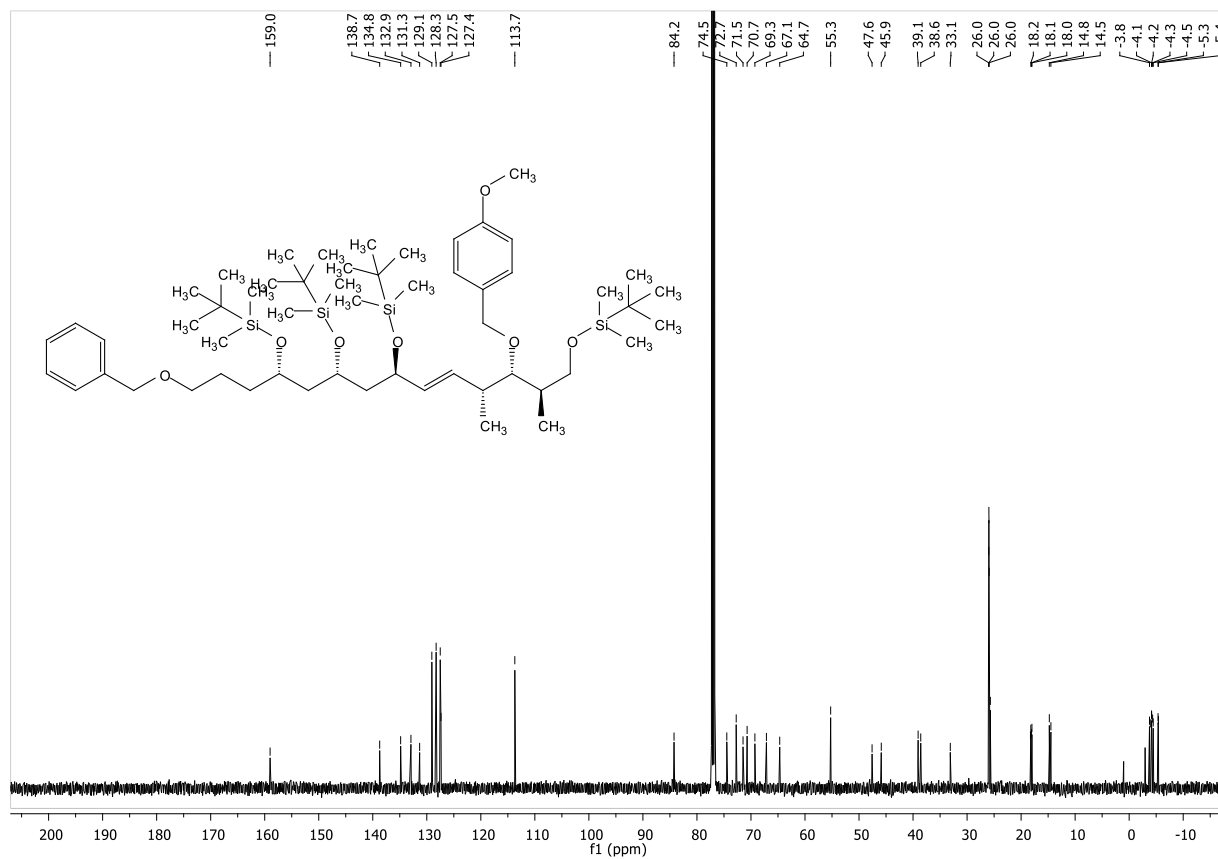
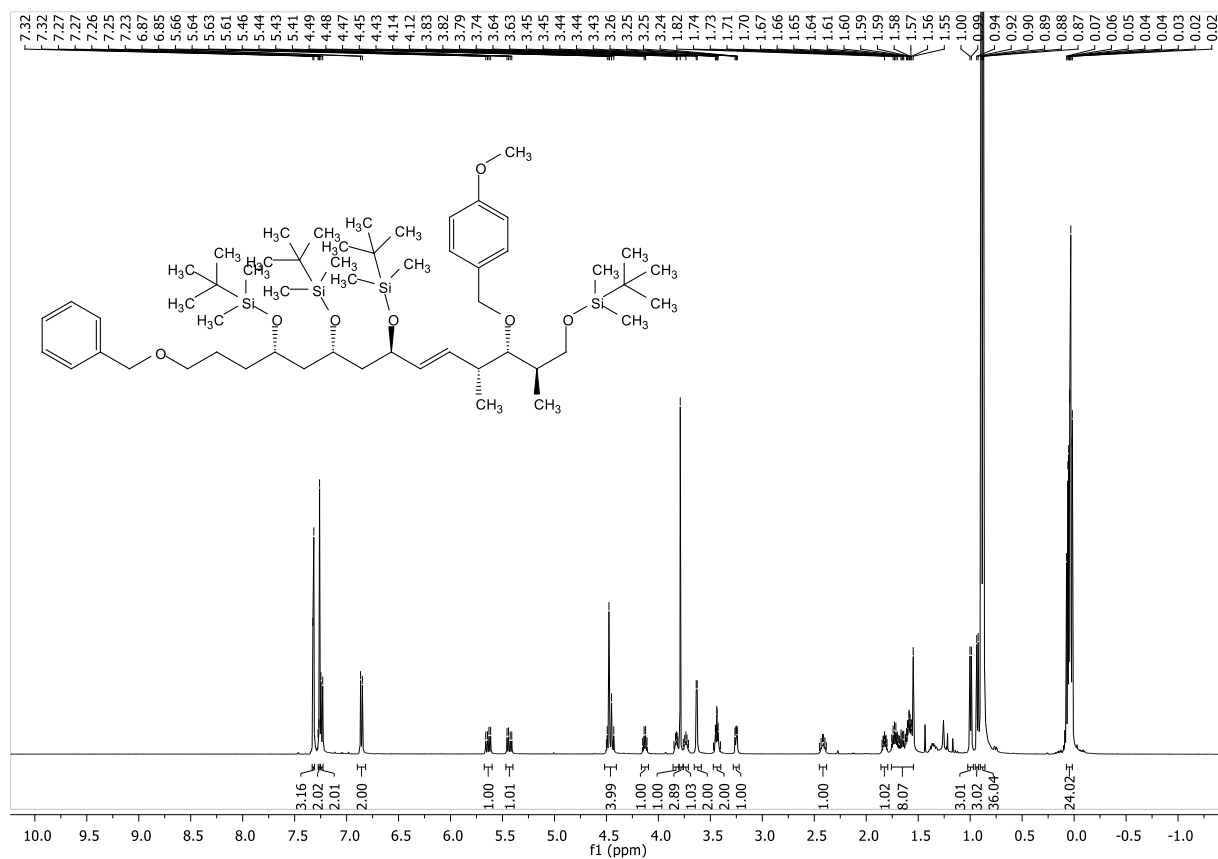
(5*S*,7*S*,12*R*,13*S*,14*R*,*E*)-5-(3-(benzyloxy)propyl)-7-((*tert*-butyldimethylsilyl)oxy)-13-((4-methoxybenzyl)oxy)-2,2,3,3,12,14,17,17,18,18-decamethyl-4,16-dioxa-3,17-disilanonadec-10-en-9-one **31**



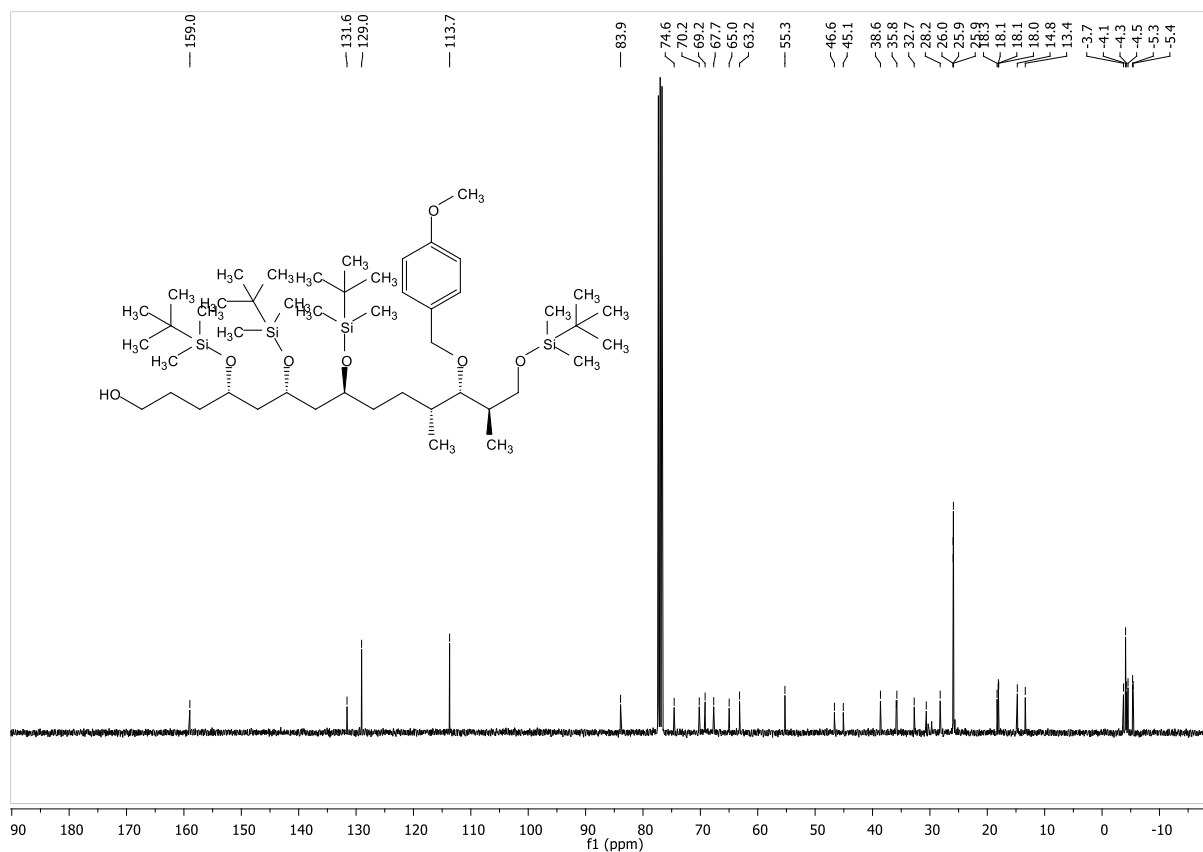
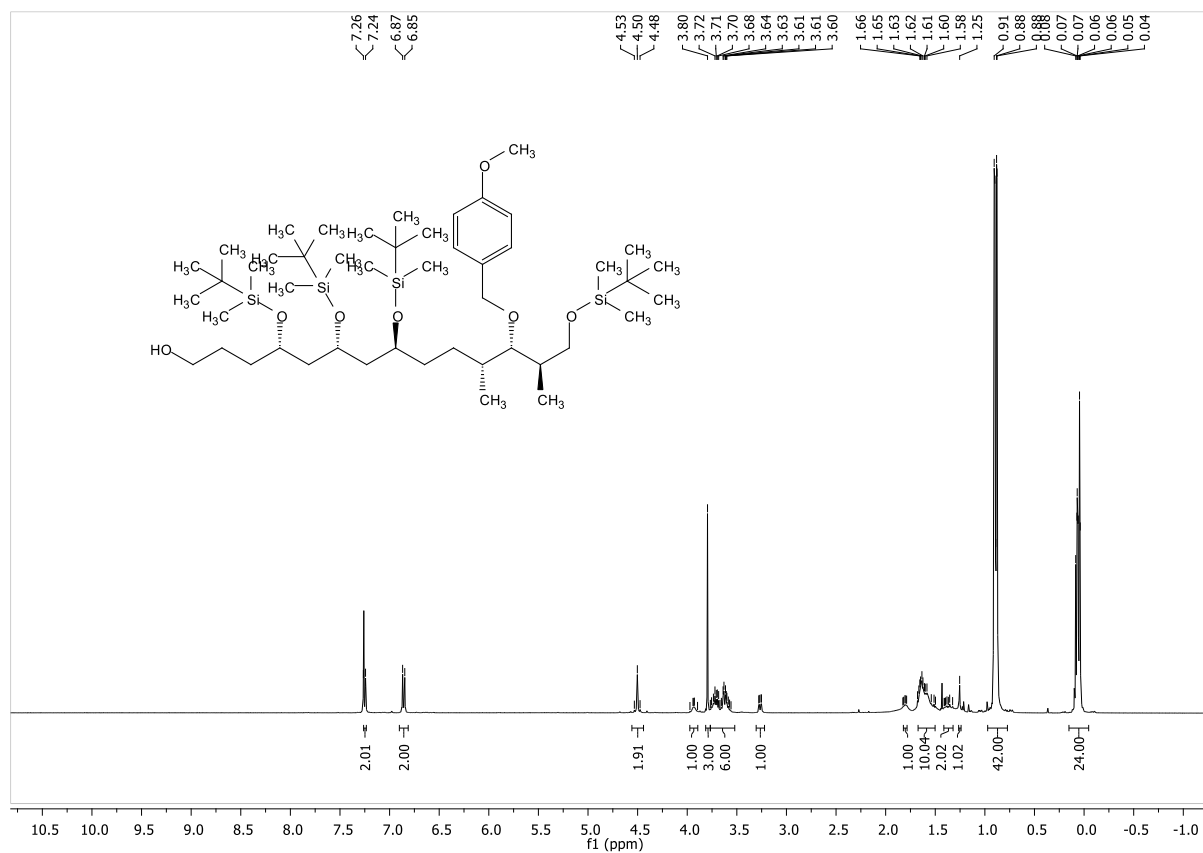
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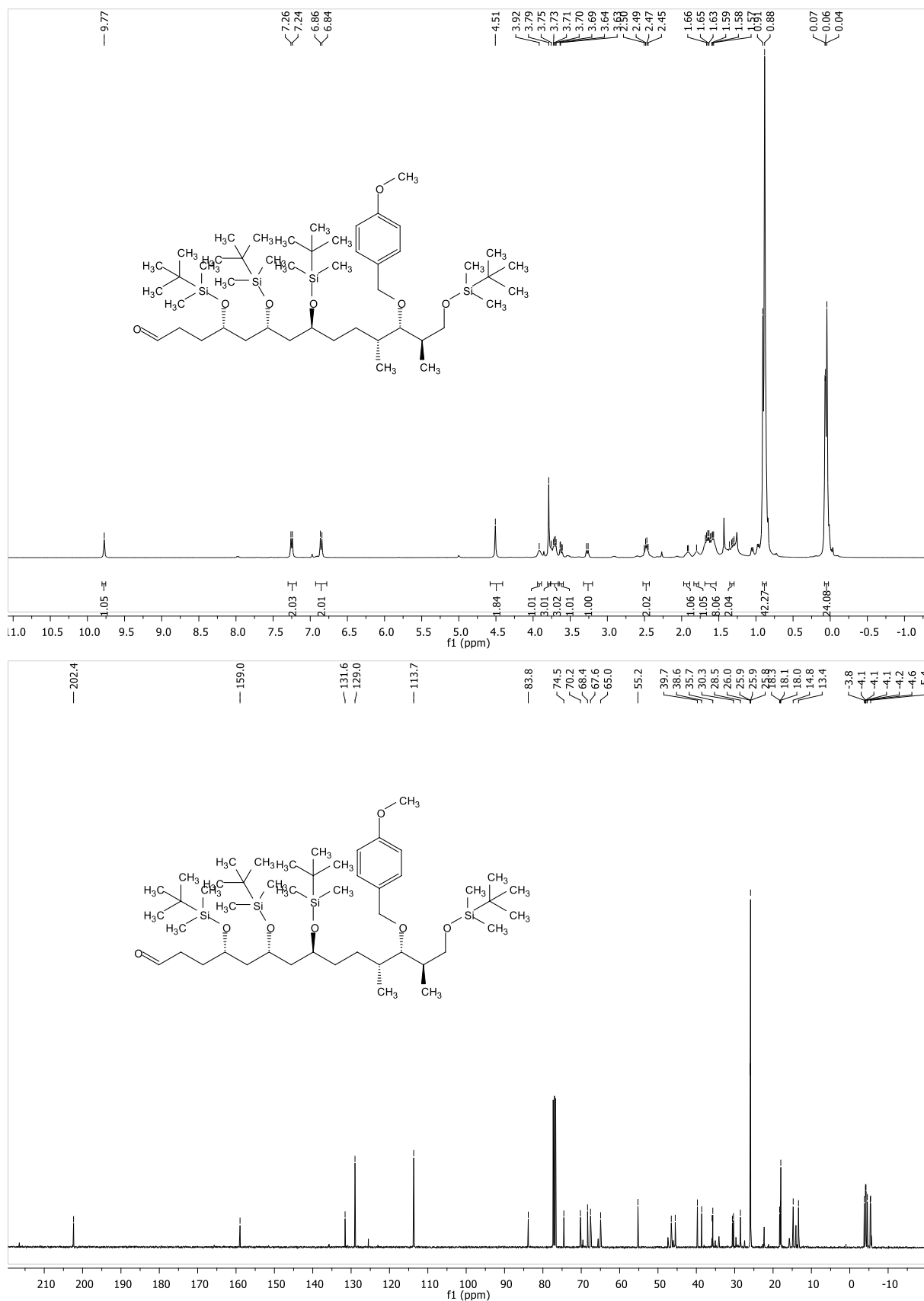
(6*R*,7*S*,8*R*,11*R*,13*S*,15*S*,*E*)-15-(3-(Benzyloxy)propyl)-11,13-bis((*tert*-butyldimethylsilyl)oxy)-7-((4-methoxybenzyl)oxy)-2,2,3,3,6,8,17,17,18,18-decamethyl-4,16-dioxa-3,17-disilanonadec-9-ene 34



(4*S*,6*R*,8*S*,11*R*,12*S*,13*R*)-4,6,8,14-tetrakis(*tert*-Butyldimethylsilyl)oxy-12-((4-methoxybenzyl)oxy)-11,13-dimethyltetradecan-1-ol 30



(4*S*,6*R*,8*S*,11*R*,12*S*,13*R*)-4,6,8,14-tetrakis((*tert*-Butyldimethylsilyl)oxy)-12-((4-methoxybenzyl)oxy)-11,13-dimethyltetradecanal



(5*S*,7*R*,9*S*,12*R*,13*S*,14*R*)-5-(But-3-yn-1-yl)-7,9-bis((*tert*-butyldimethylsilyl)oxy)-13-((4-methoxybenzyl)oxy)-2,2,3,3,12,14,17,17,18,18-decamethyl-4,16-dioxo-3,17-disilanonadecane 26

