

Supporting Information

Enantioselective total synthesis of (-)-curcuquinone *via* regioselective chromium-mediated benzannulation

Ana Minatti, Karl H. Dötz*

Kekulé-Institut für Organische Chemie und Biochemie
Rheinische Friedrich-Wilhelms Universität Bonn
Gerhard-Domagk-Strasse 1
53121 Bonn, Germany
Fax: +49 228 73 5813

e-mail: doetz@uni-bonn.de

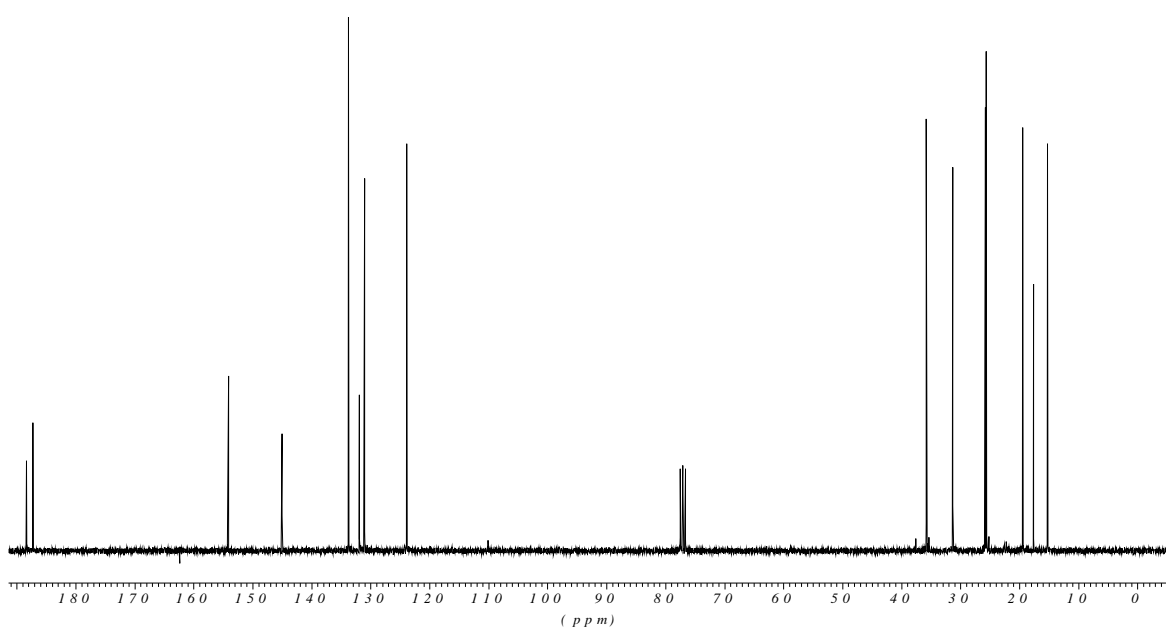
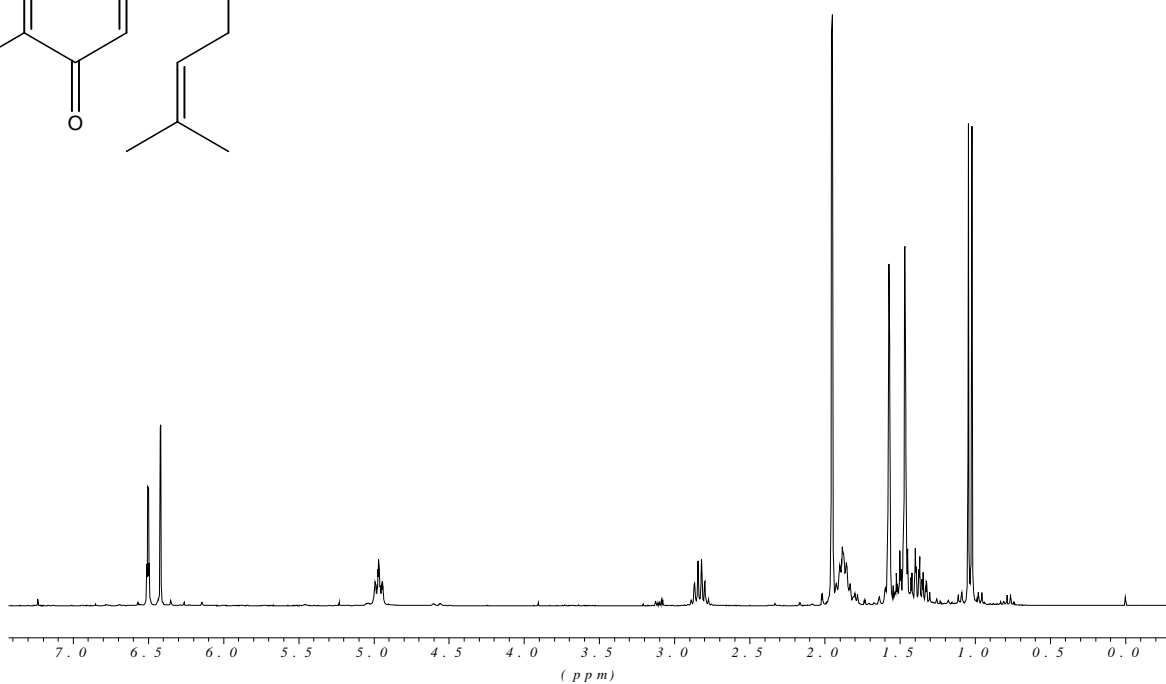
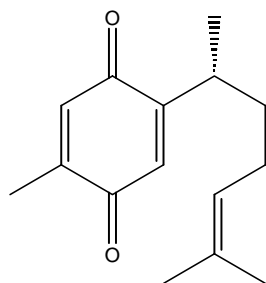
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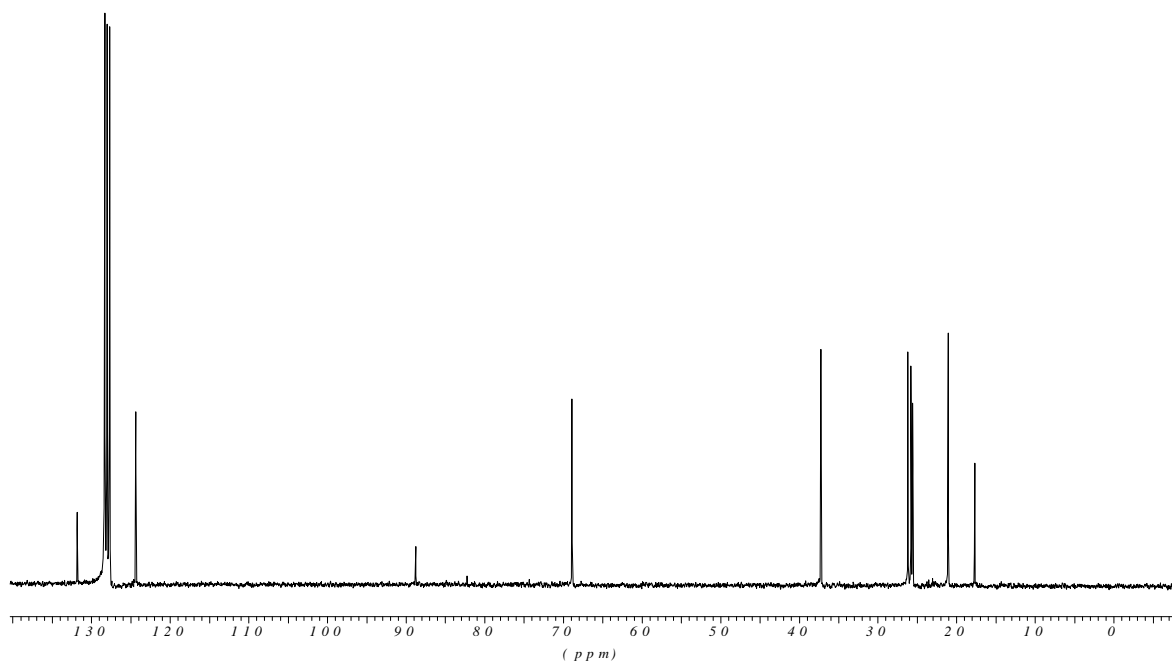
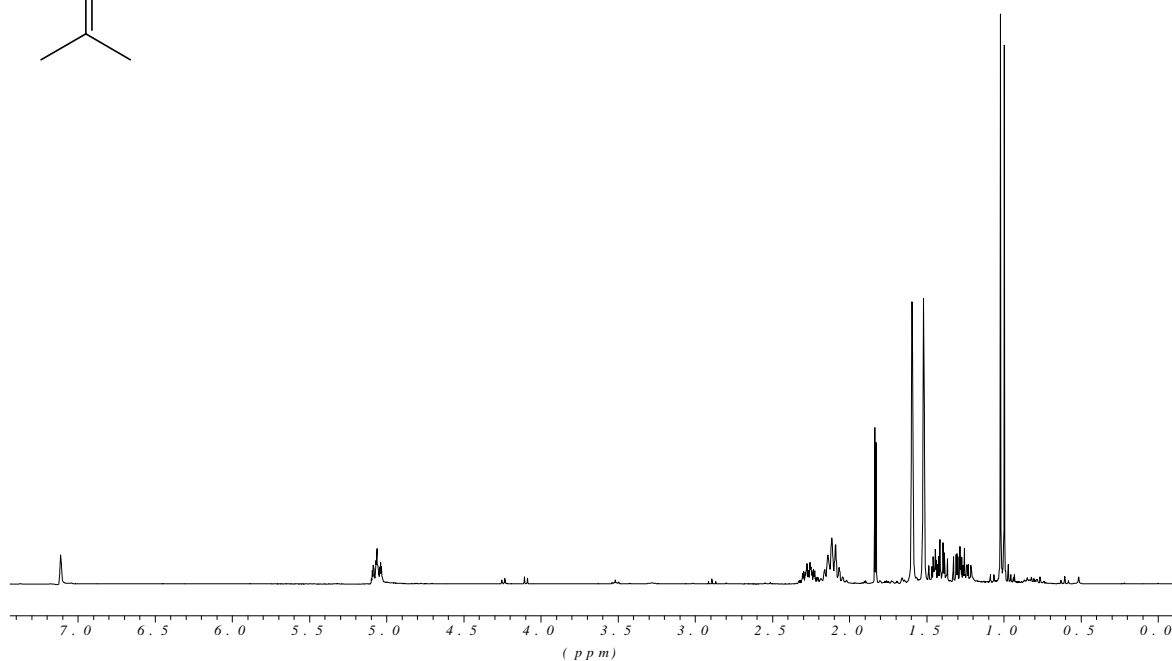
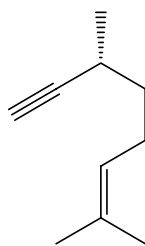
1. General Methods

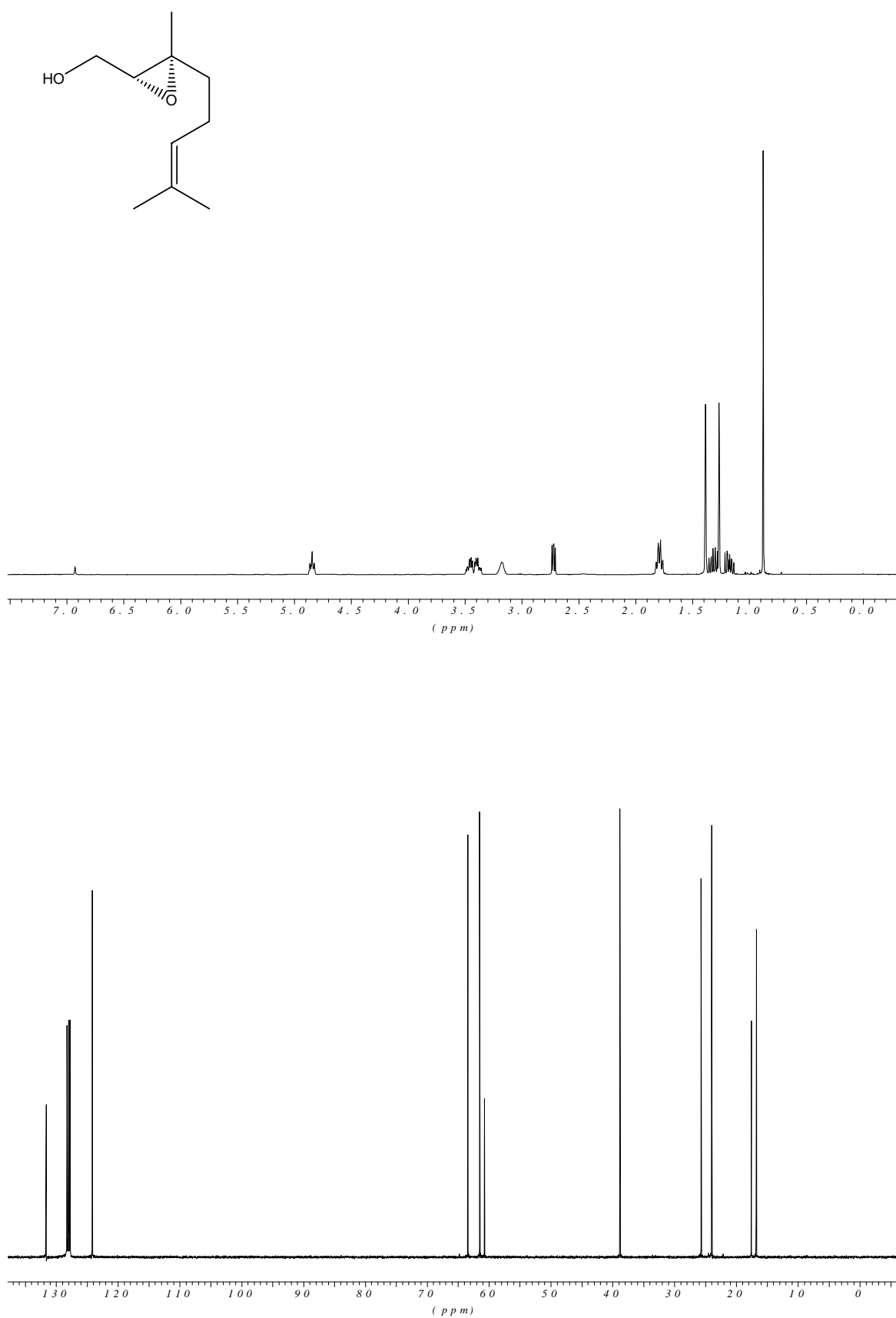
All reactions were performed under argon atmosphere. Dichloromethane was distilled from CaH_2 under argon. Diethyl ether and tetrahydrofuran were freshly distilled from benzophenone ketyl radical under argon prior to use. Column chromatography was performed with silica gel (0.063-0.2 mm). The combined organic layers were dried over MgSO_4 . Solvents were evaporated under reduced pressure. All yields given refer to as isolated yields. Optical rotation were measured on a Perkin-Elmer 341 polarimeter. NMR spectra were recorded on a 300 MHz spectrometer. IR spectra were recorded on a FT-IR spectrometer. MS and HRMS experiments were performed on a Kratos MS 50. GCMS experiments were performed using a 5972 Series Mass Selective Detector.

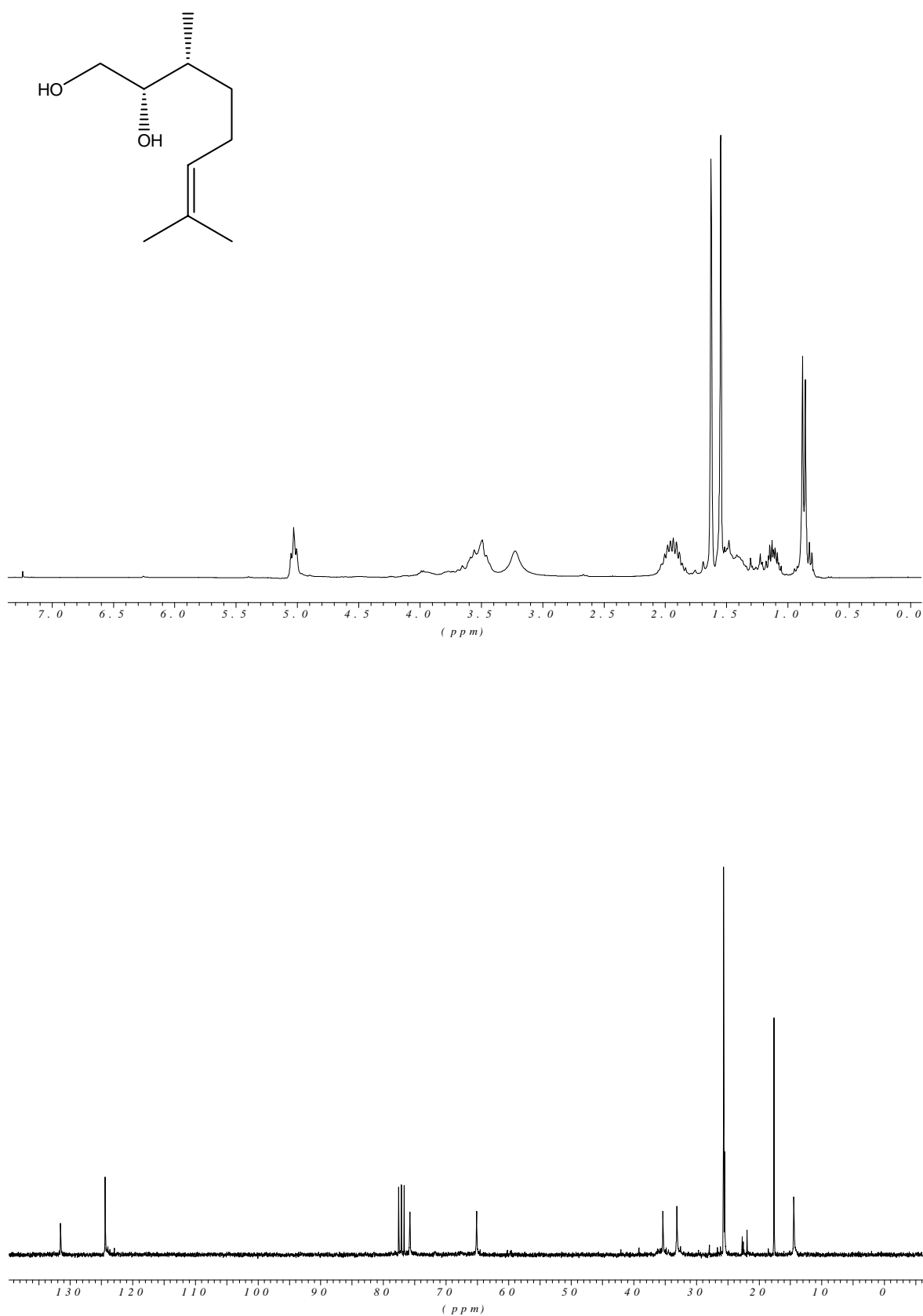
2. NMR Spectra of known compounds 1,3 and 5-8

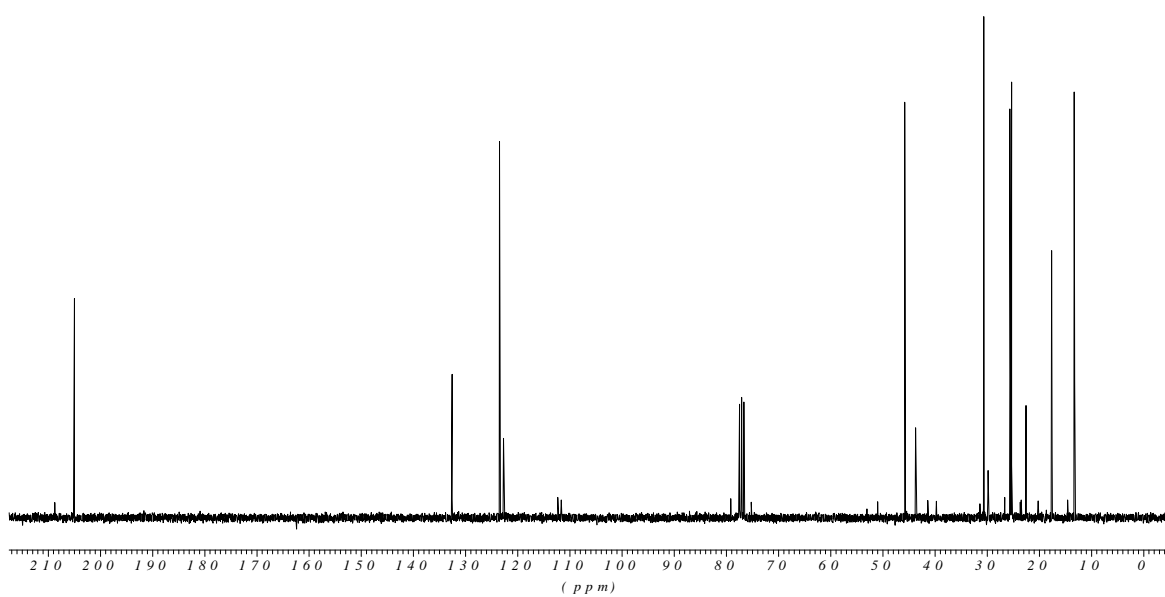
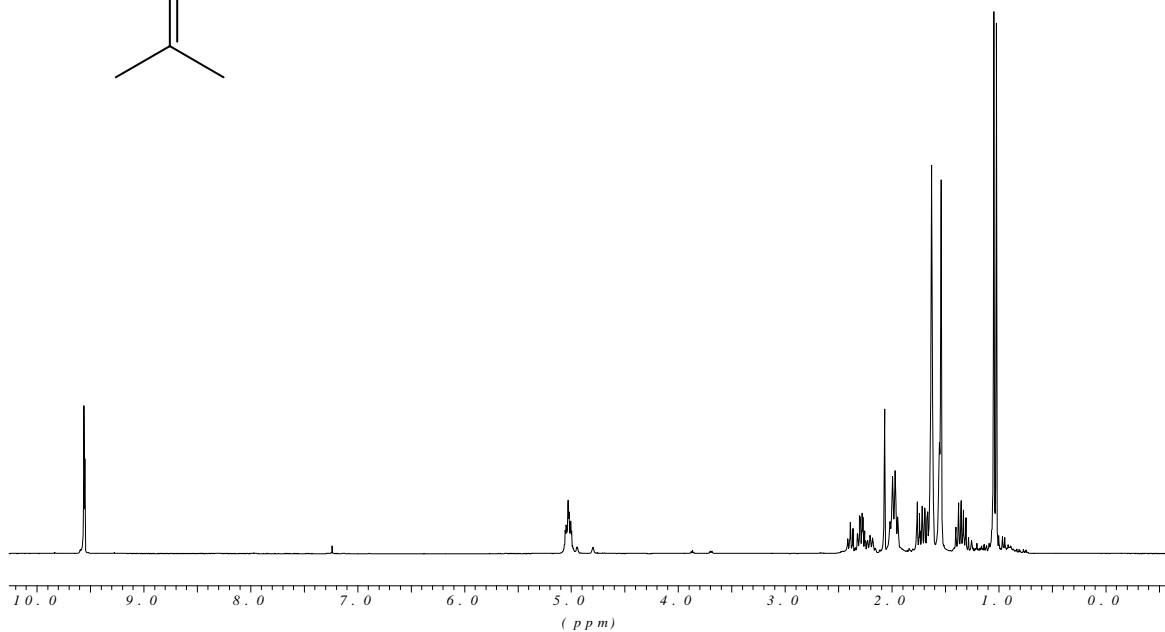
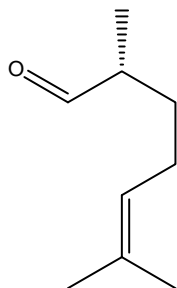
NMR-Spectra of **1**

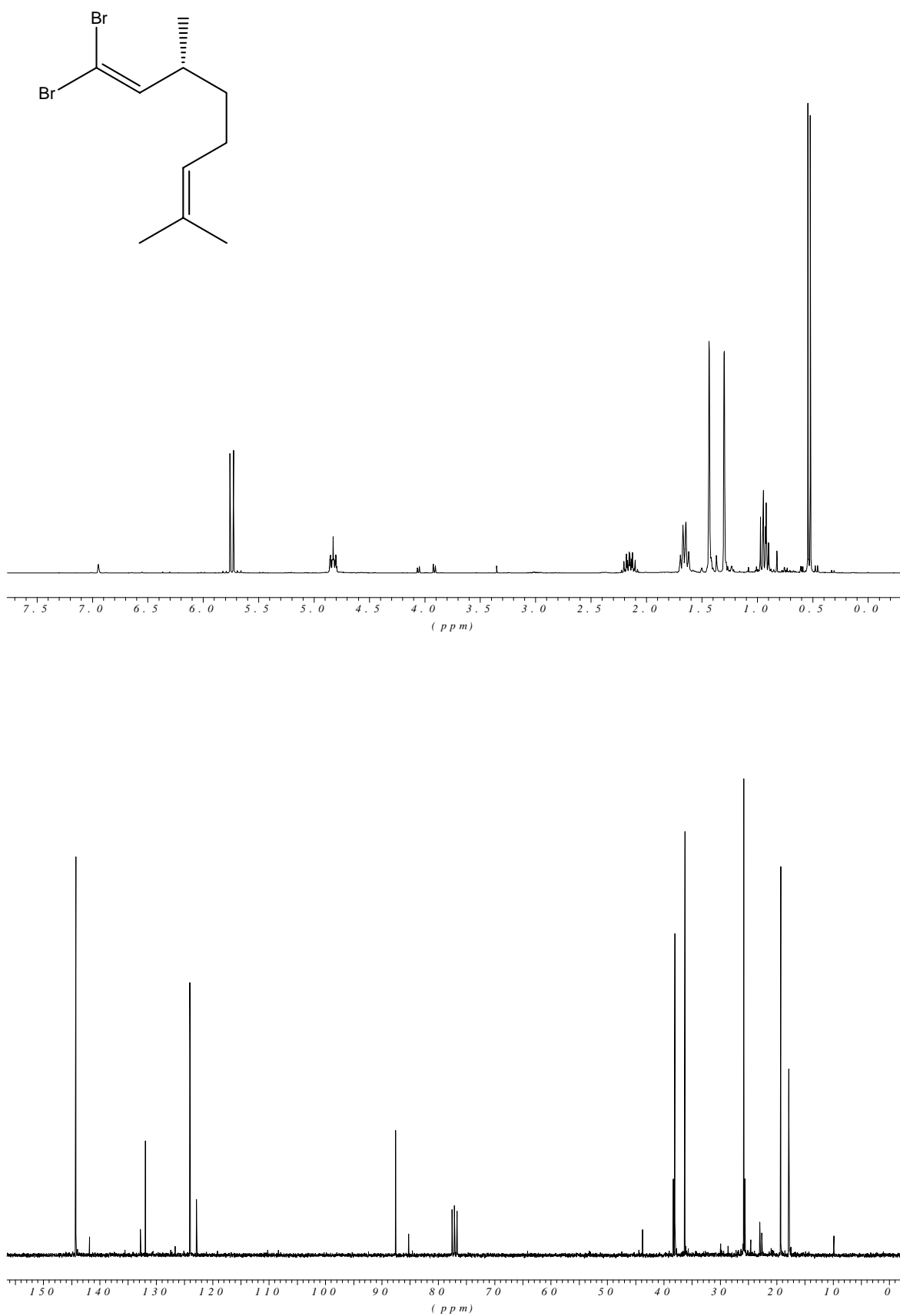


NMR-spectra of **3**

NMR-Spectra of **5**

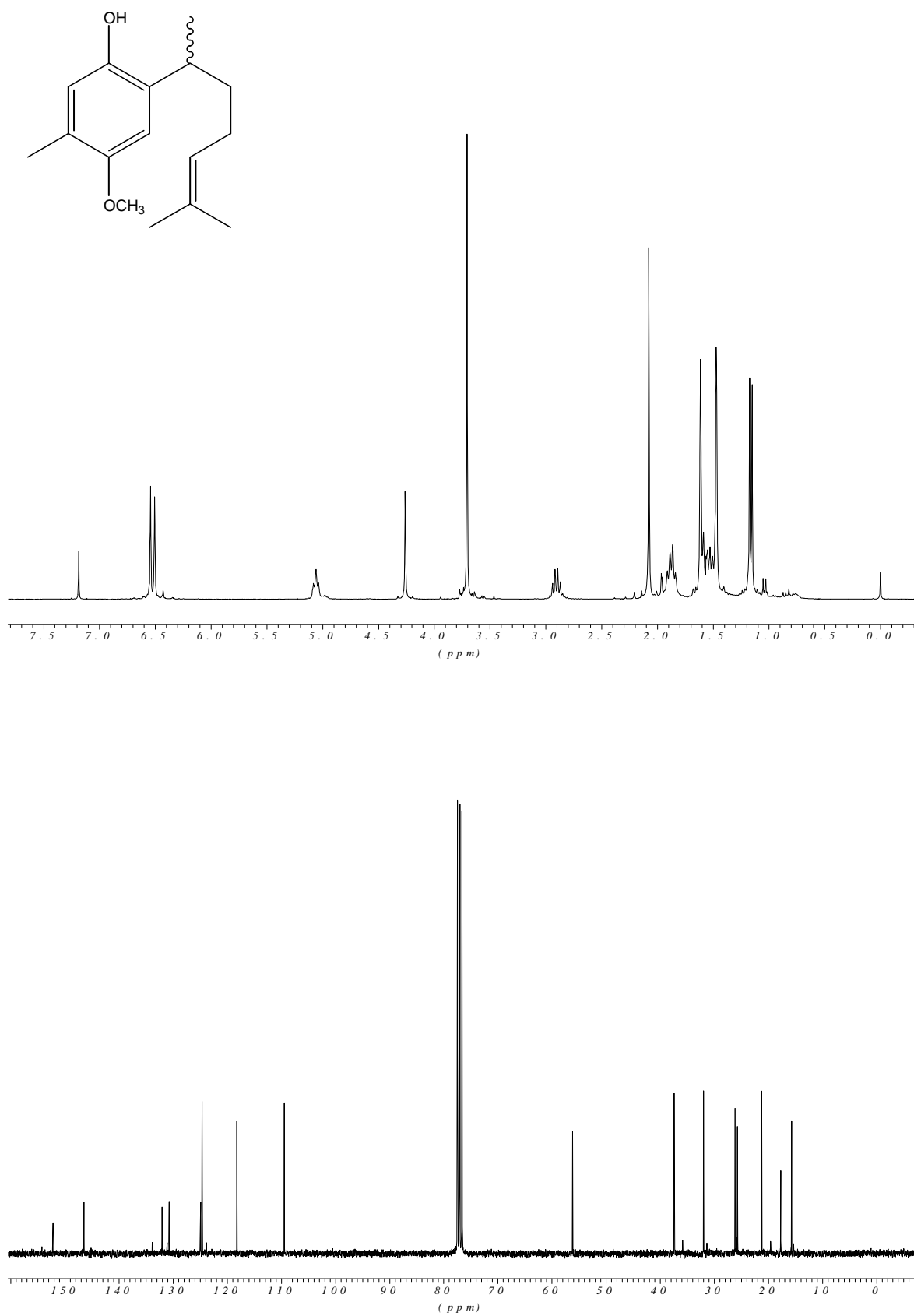
NMR-Spectra of **6**

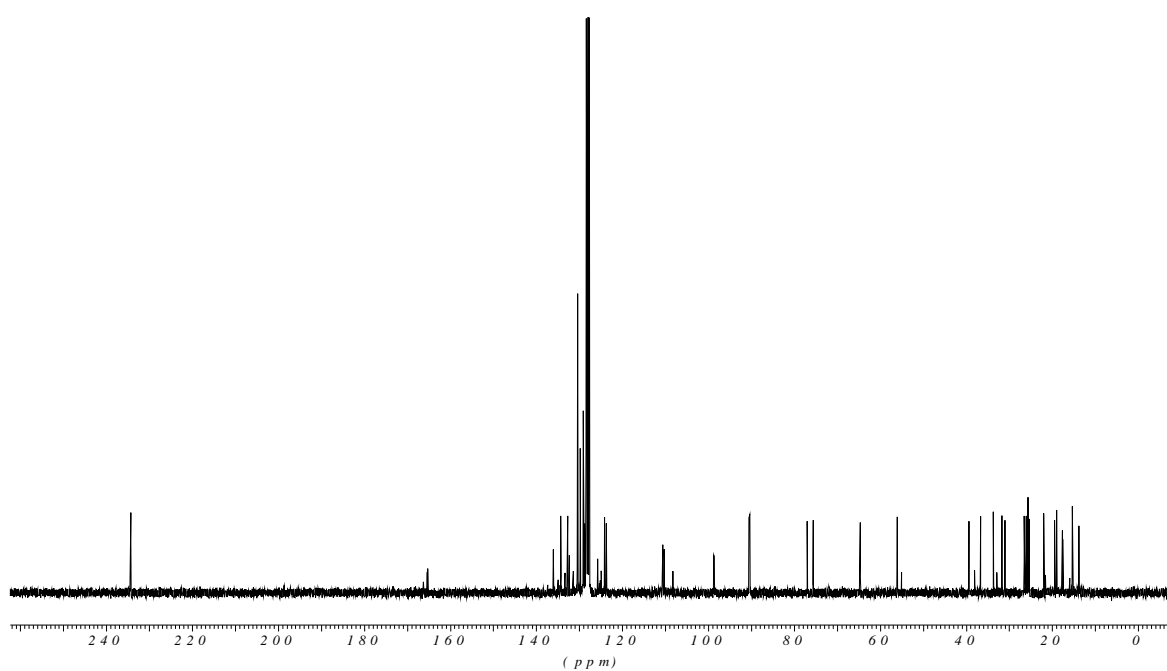
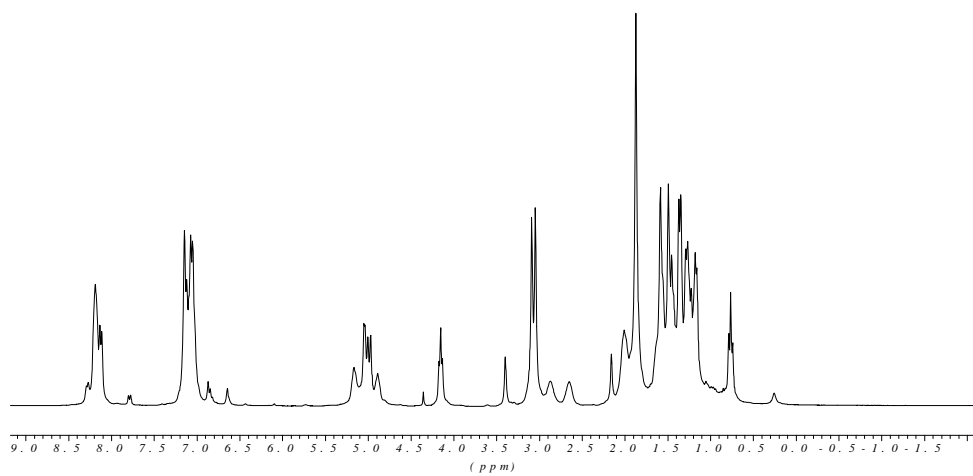
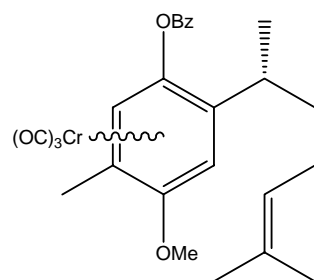
NMR-Spectra of **7**

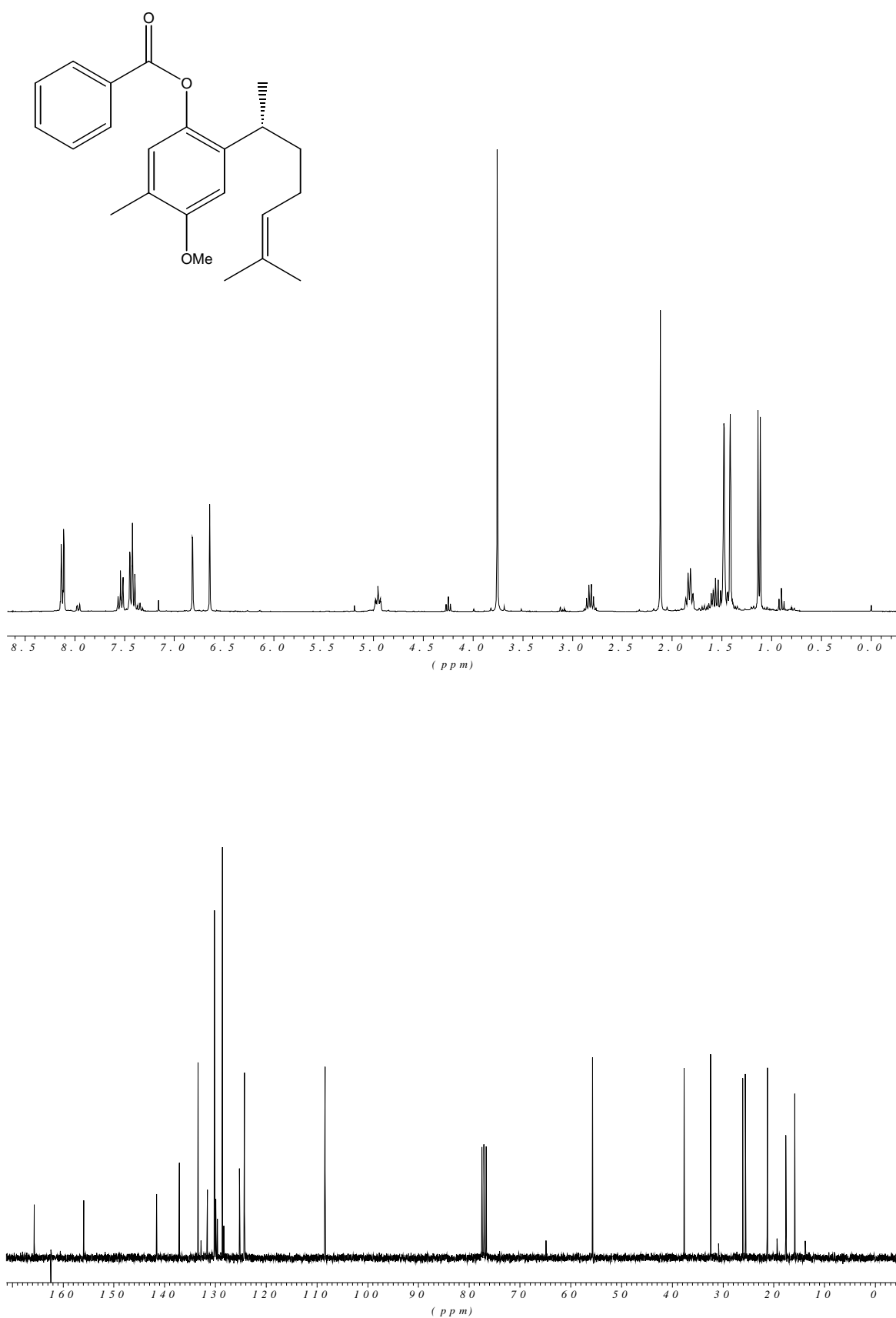
NMR-Spectra of **8**

2. NMR Spectra of new compounds 9 - 12

NMR-Spectra of **9**



NMR-spectrum of **10**

NMR-Spectra **11**

NMR-spectra of **12**