

Supporting Information
Org. Commun. 10:3 (2017) 190-200

**Synthesis, characterization, *in vitro* antiproliferative and
cytotoxicity effects of a new class of 2-((1*R*,2*S*)-2-((*E*)-4-
substitutedstyryl) cyclooctyl)benzo[*d*]thiazole derivatives**

**Muhammad Mehdi Uremis¹, Ayşe Şahin Yağlıoğlu², Yakup Budak³ and
Mustafa Ceylan^{3*}**

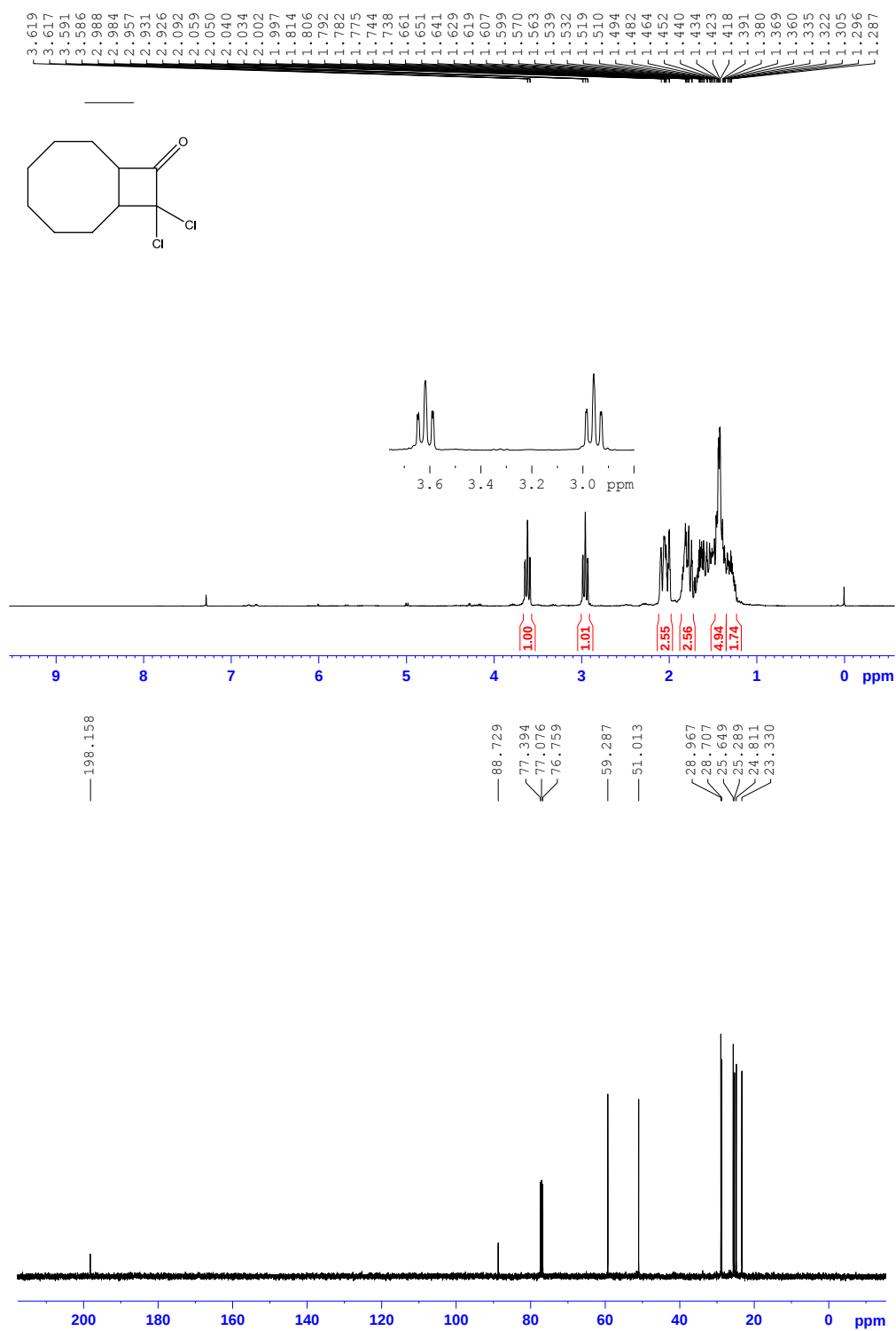
*1Department of Medical Biochemistry, Medical Faculty, Kahramanmaraş Sutcu Imam University,
46040, Kahramanmaraş, Türkiye*

2Department of Chemistry, Faculty of Science, Çankırı Karatekin University, 18100 Çankırı, Türkiye

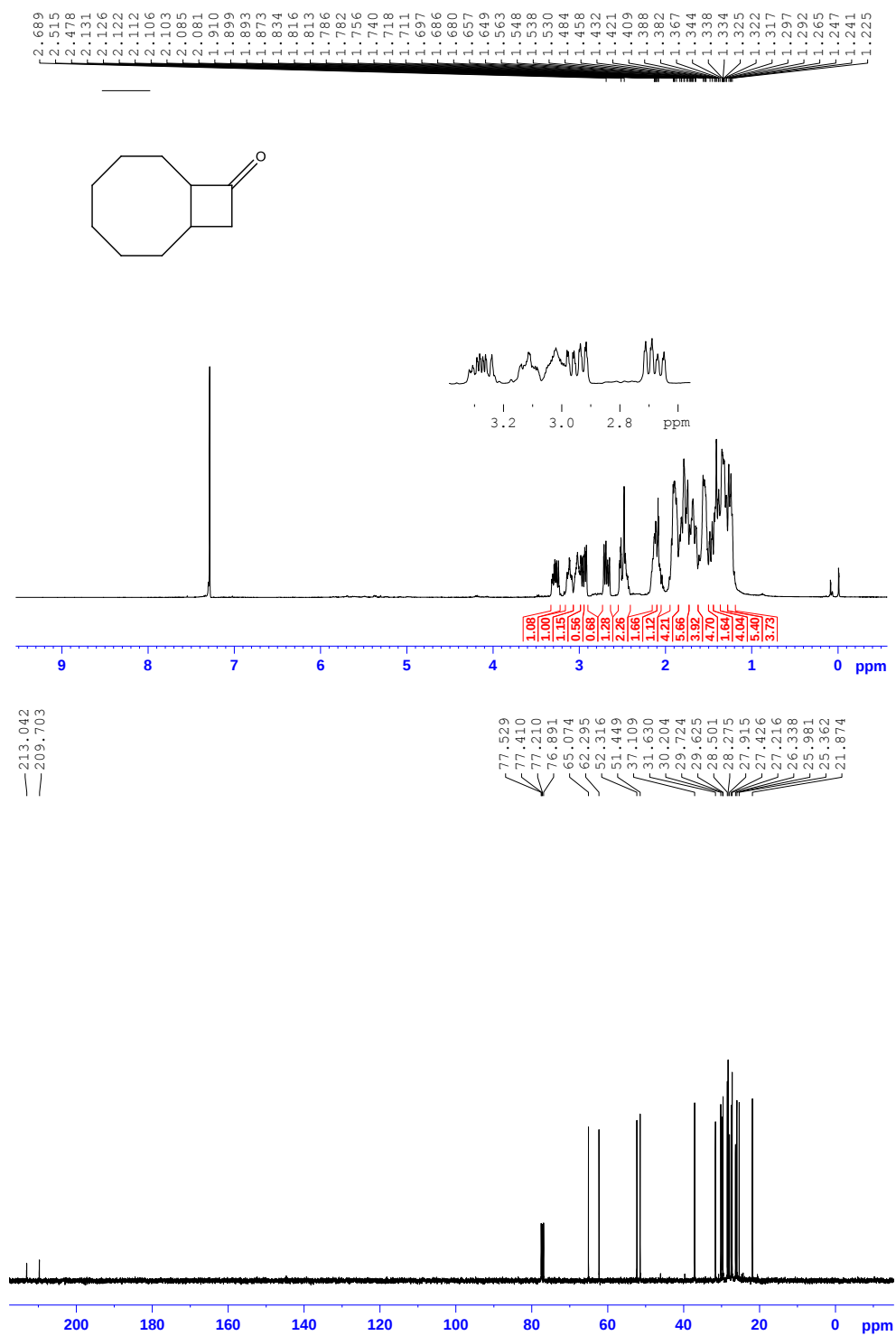
*3Department of Chemistry, Faculty of Art and Science, Gaziosmanpaşa University, 60250, Tokat,
Türkiye*

Table of Contents	Page
S1: General Information	2
S2: Spectra of compounds	3-16

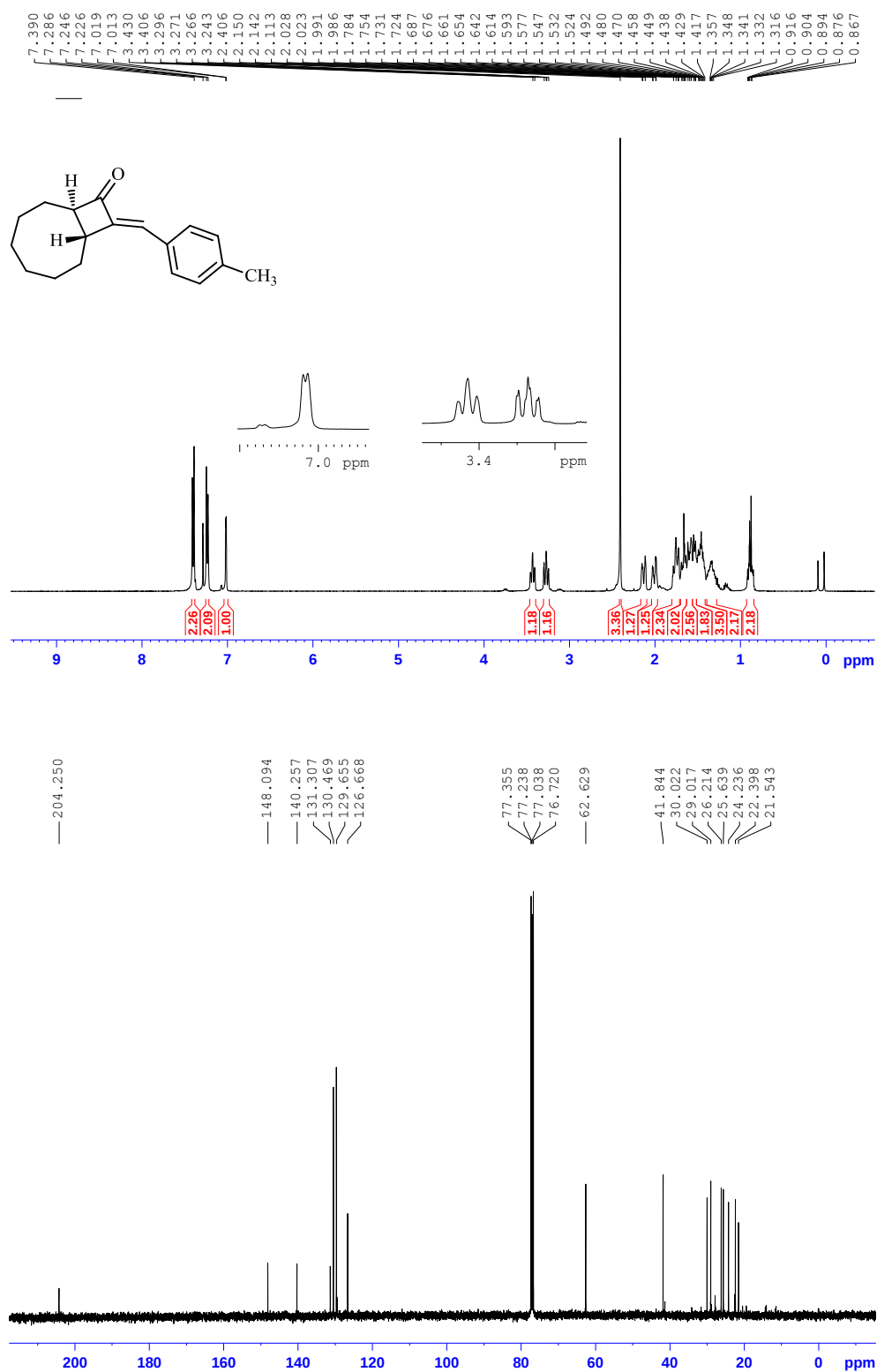
10,10-dichlorobicyclo[6.2.0]decan-9-one (2):



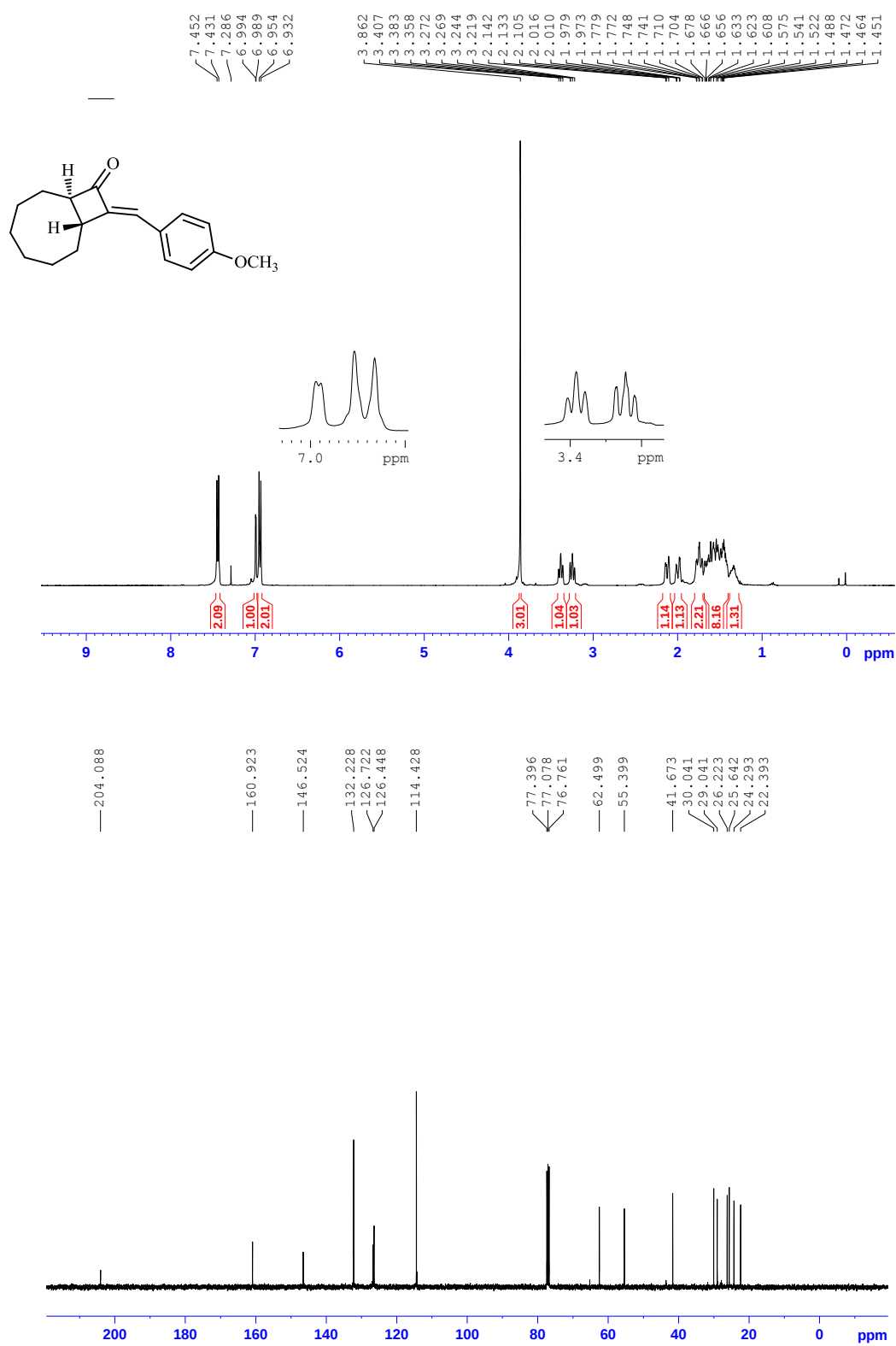
Bicyclo[6.2.0]decan-9-one (3a and 3b)



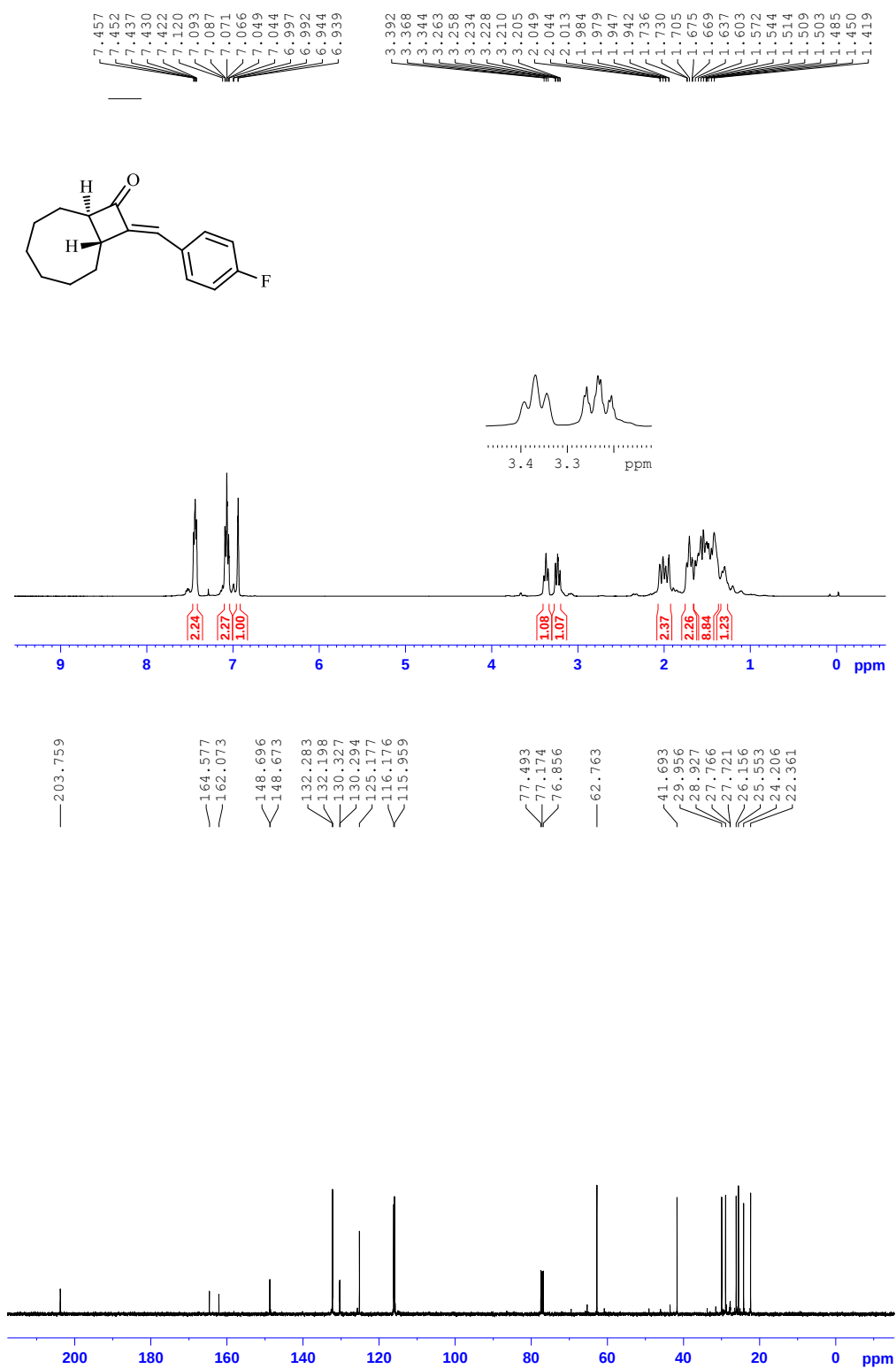
(1*R*,8*R*,*E*)-10-(4-methylbenzylidene)bicyclo[6.2.0]decan-9-one (5a)



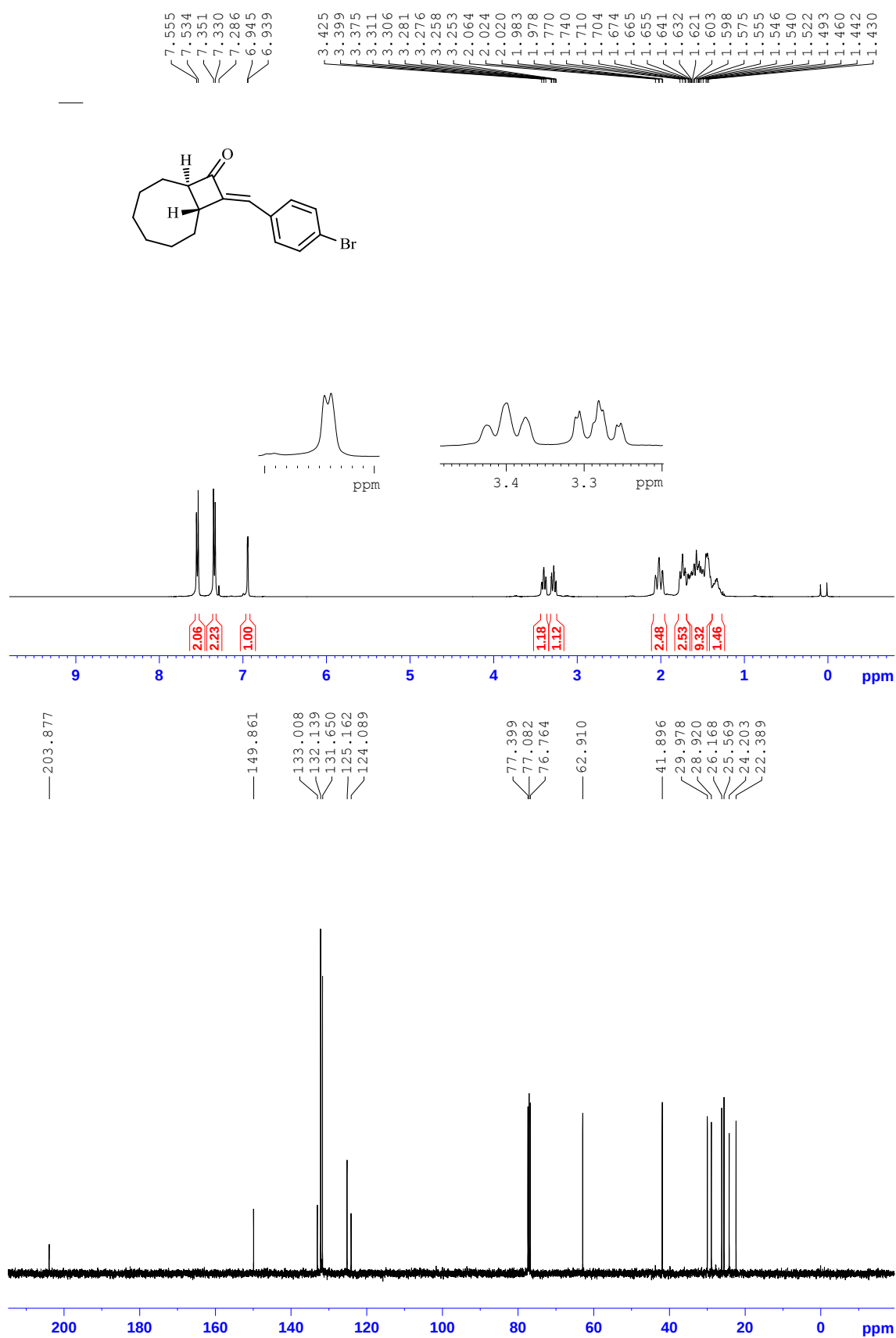
(1*R*,8*R*,*E*)-10-(4-methoxybenzylidene)bicyclo[6.2.0]decan-9-one (6a)



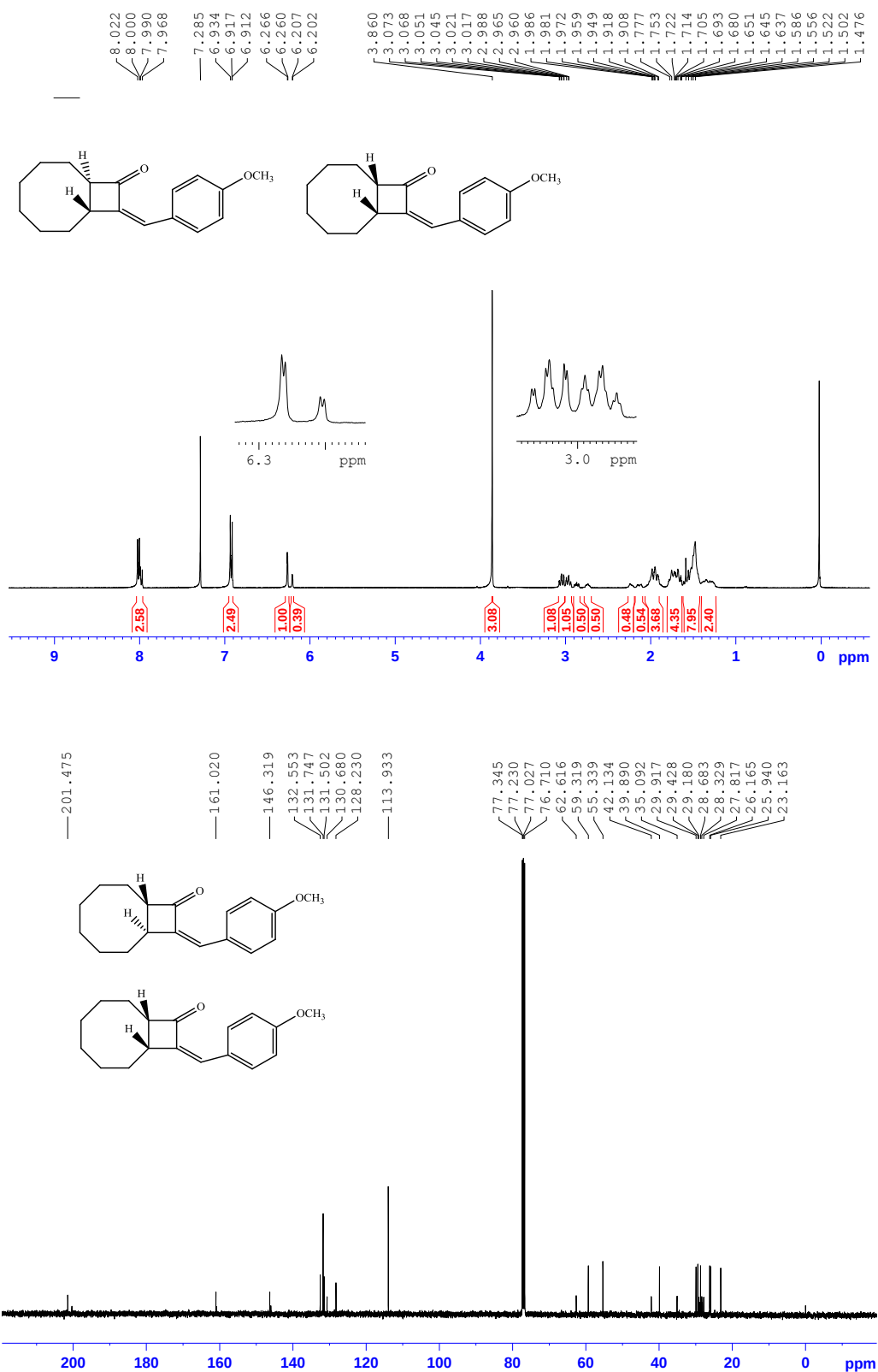
(1*R*,8*R*,*E*)-10-(4-fluorobenzylidene)bicyclo[6.2.0]decan-9-one (7a)



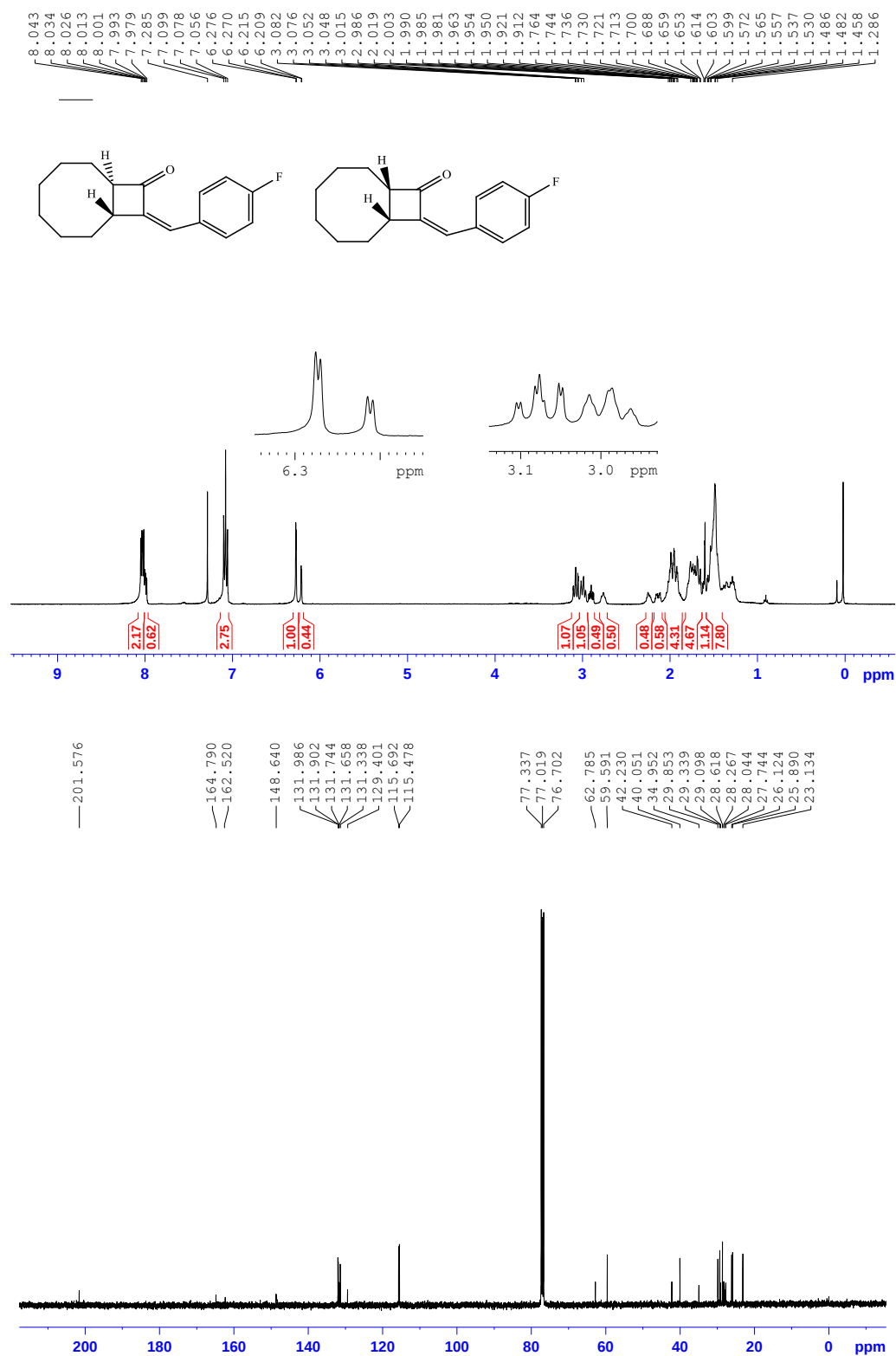
(1*R*,8*R*,*E*)-10-(4-bromobenzylidene)bicyclo[6.2.0]decan-9-one (8a):



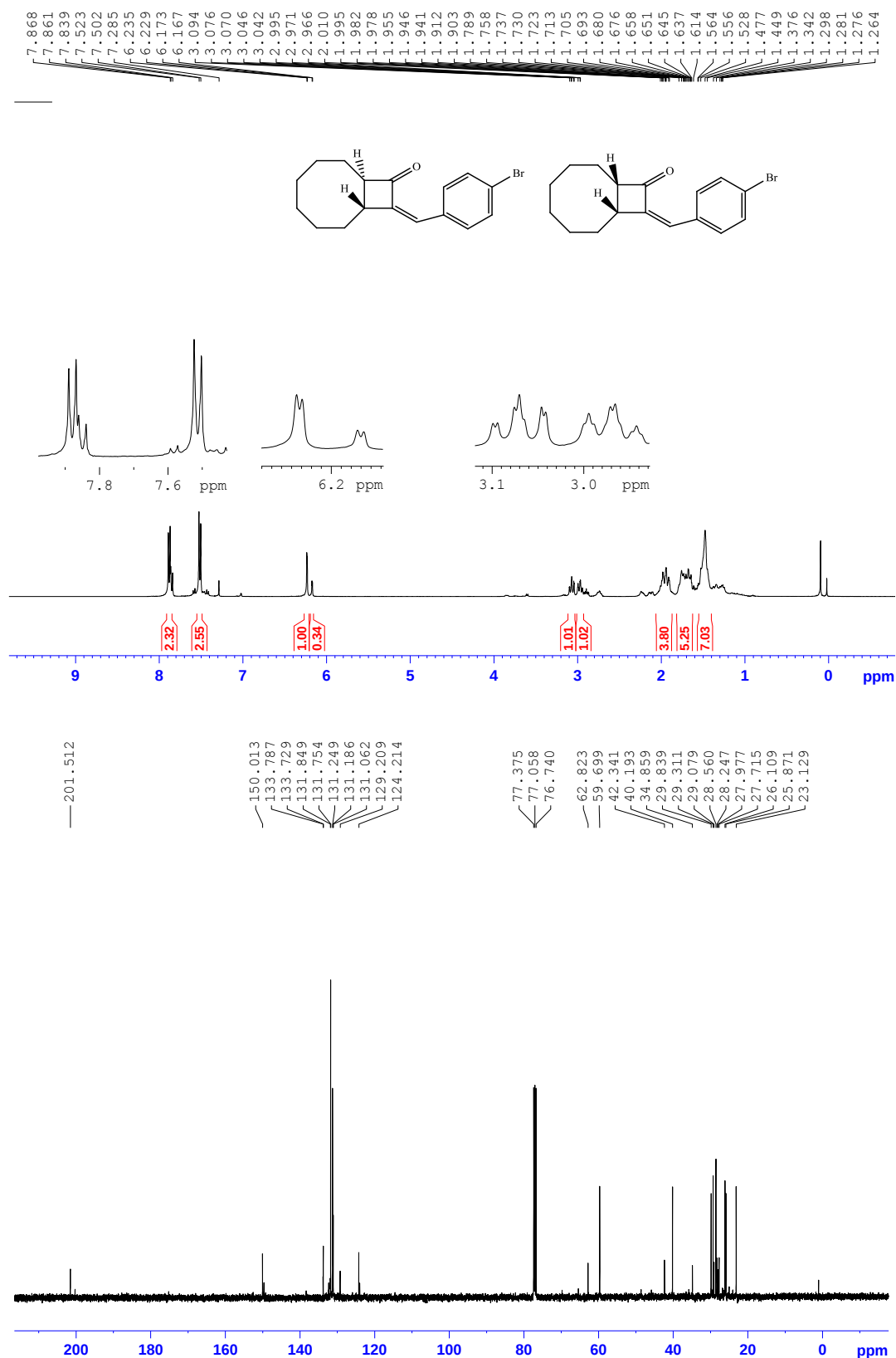
(Z)-10-(4-methoxybenzylidene)bicyclo[6.2.0]decan-9-ones (6b and 6d)



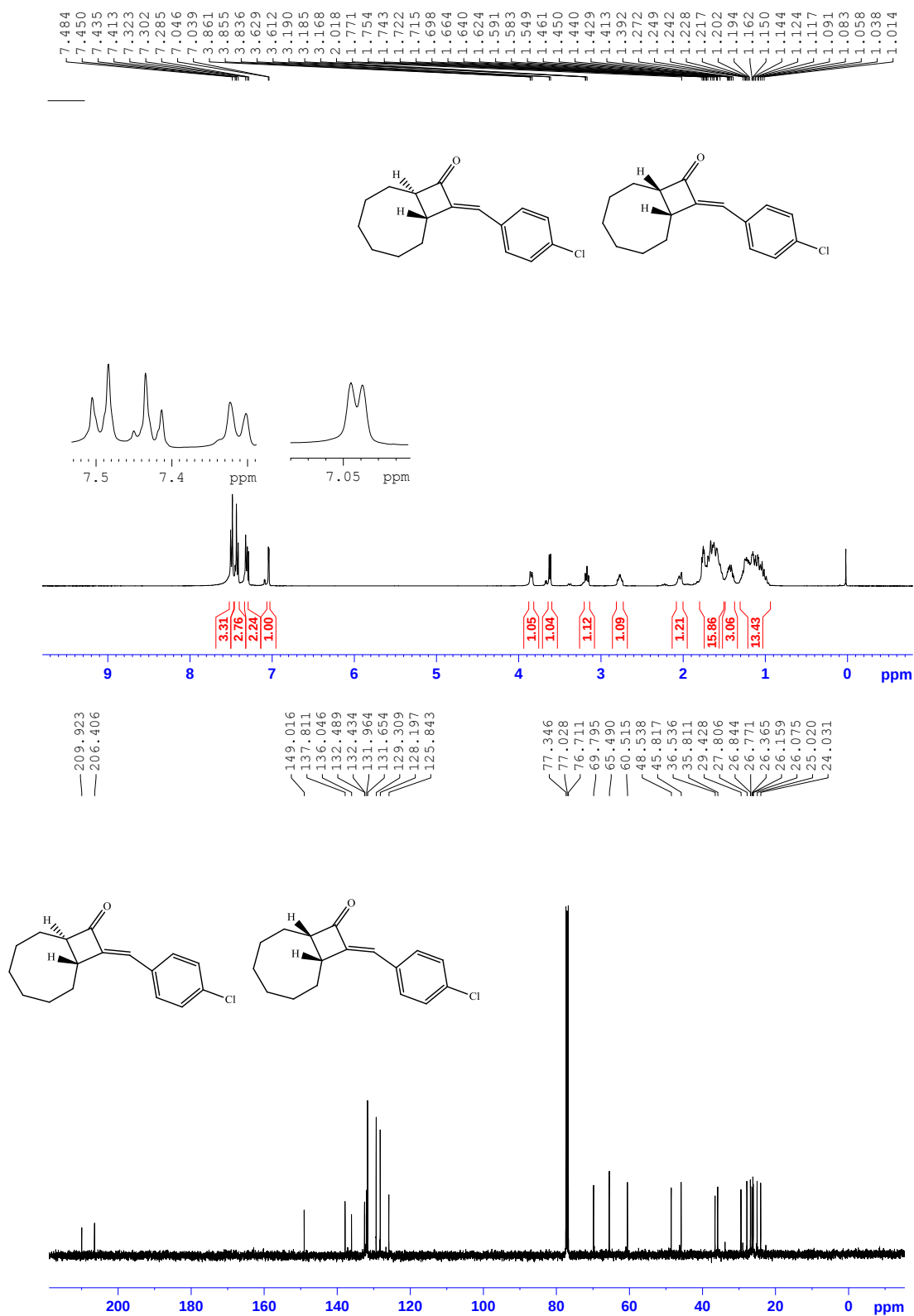
(Z)-10-(4-fluorobenzylidene)bicyclo[6.2.0]decan-9-ones (7b and 7d)



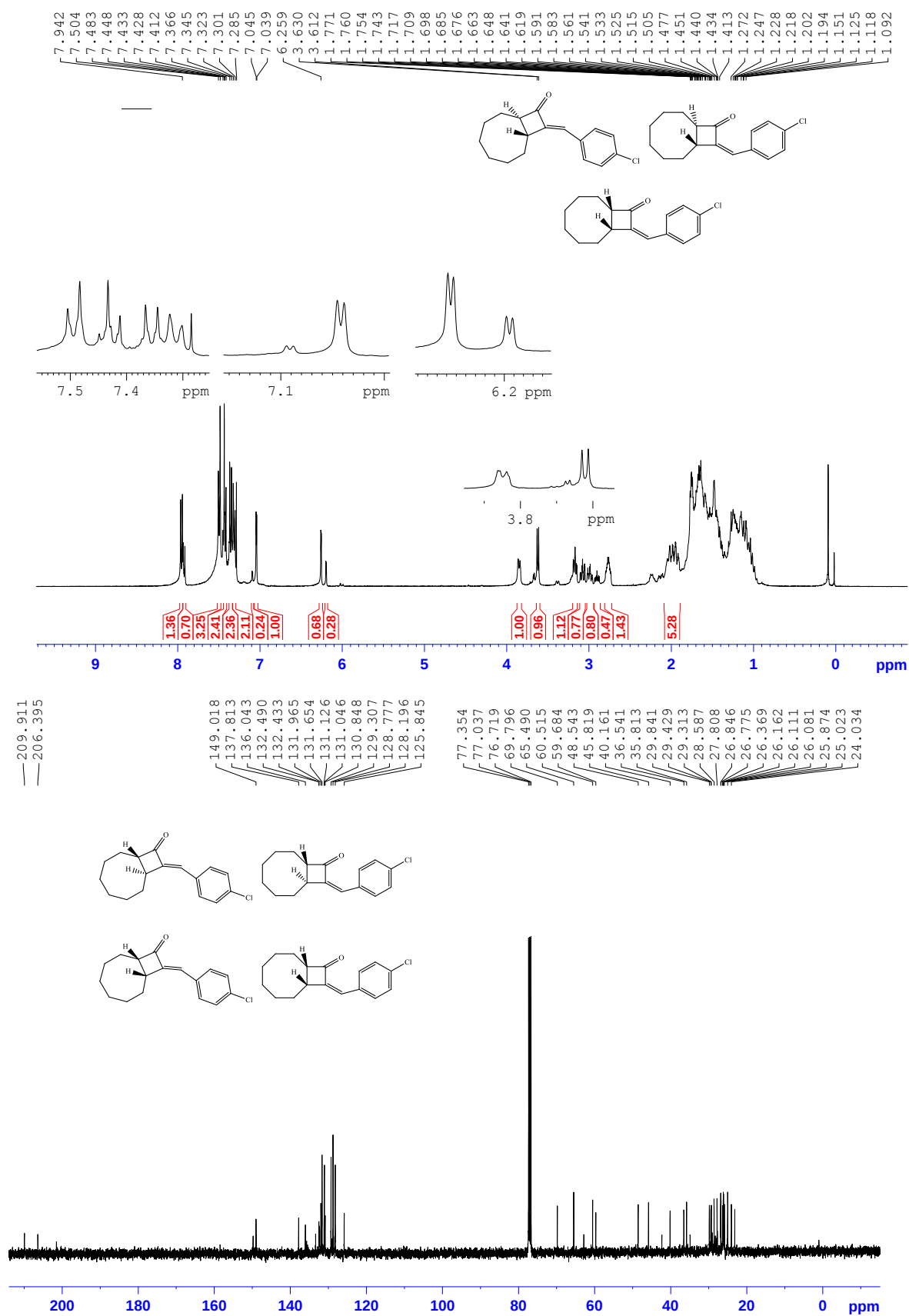
(Z)-10-(4-bromobenzylidene)bicyclo[6.2.0]decan-9-ones (8b and 8d) karışım:



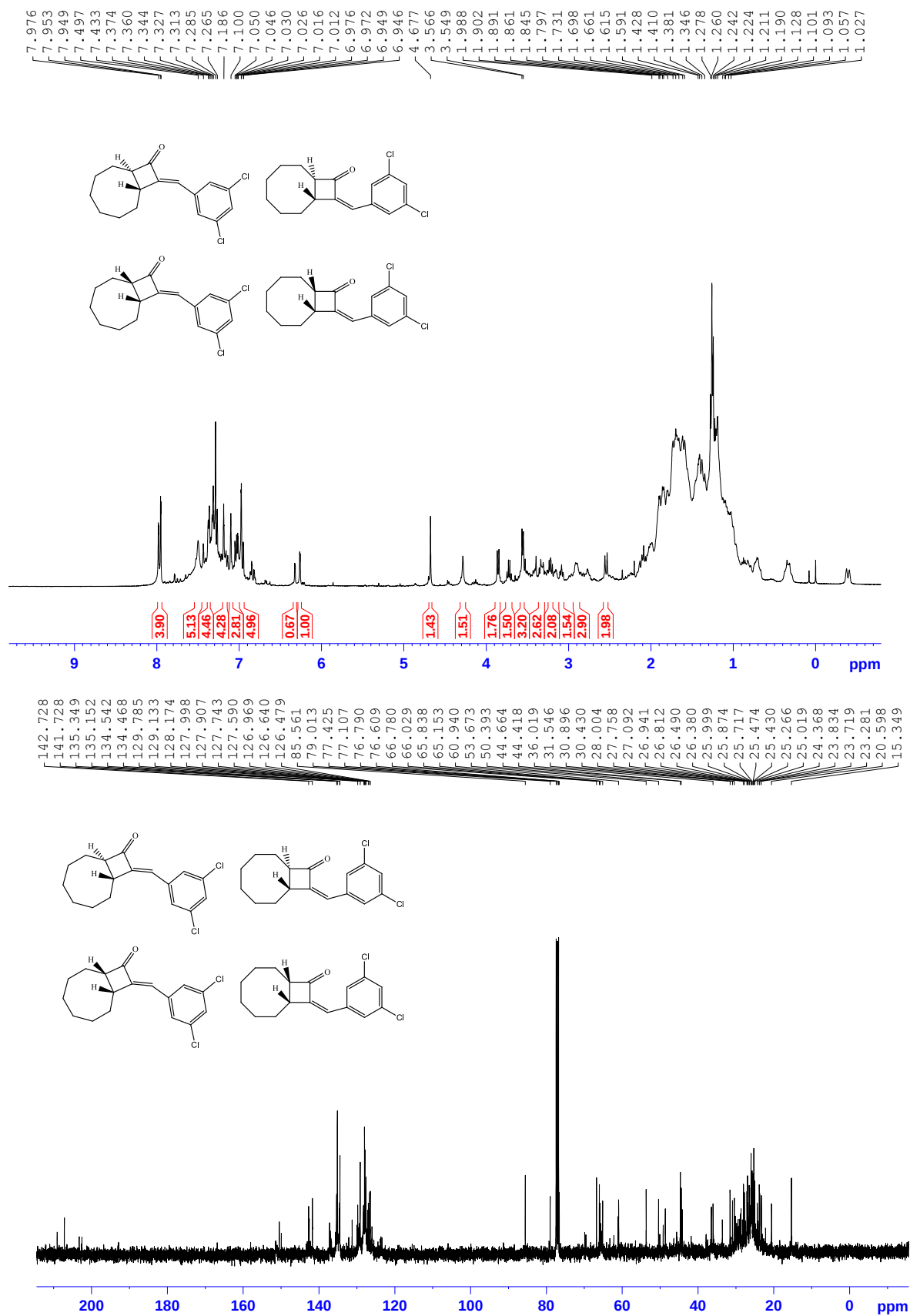
Isomers 9a and 9c



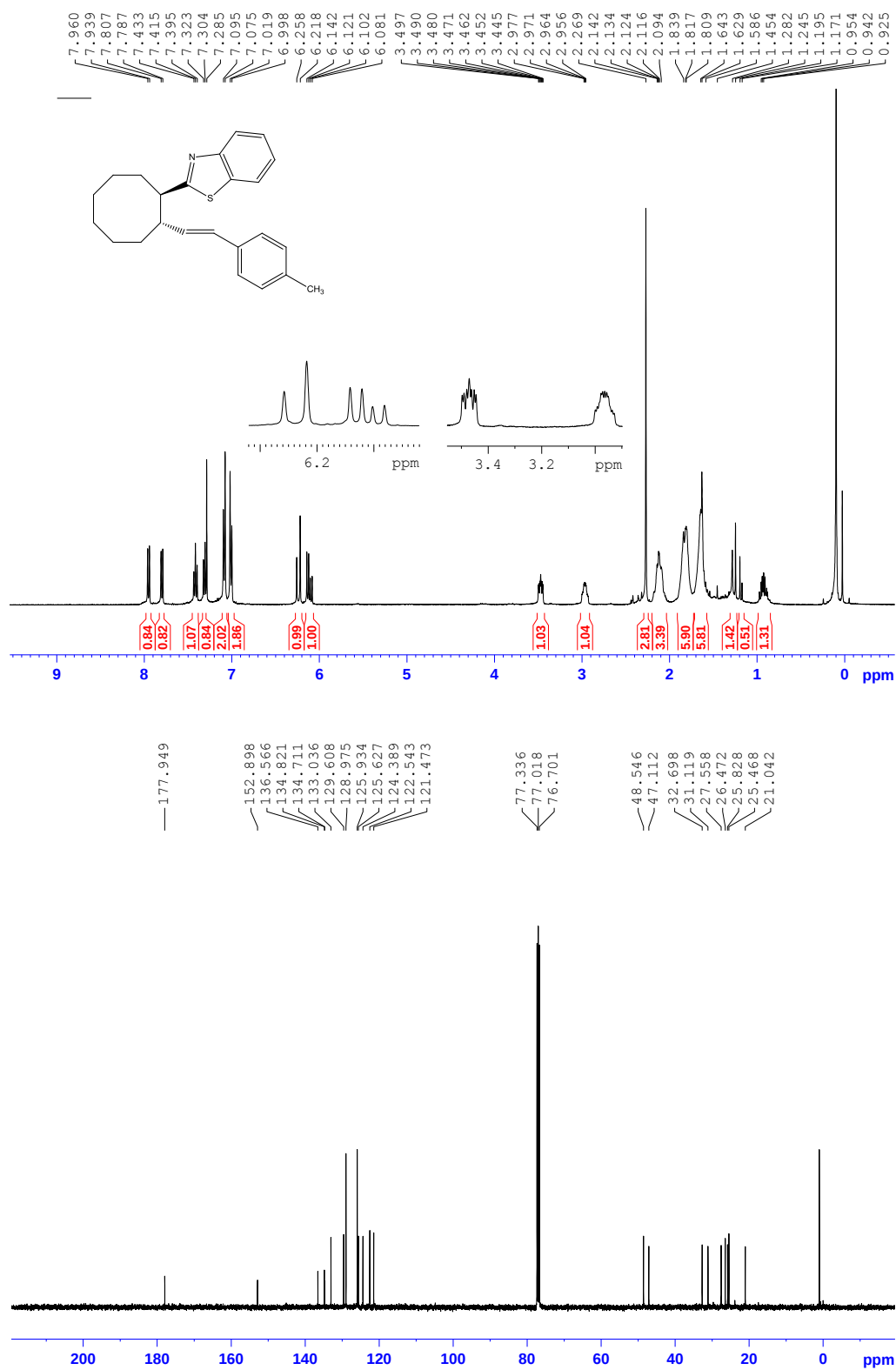
Isomers 9a, 9b and 9d



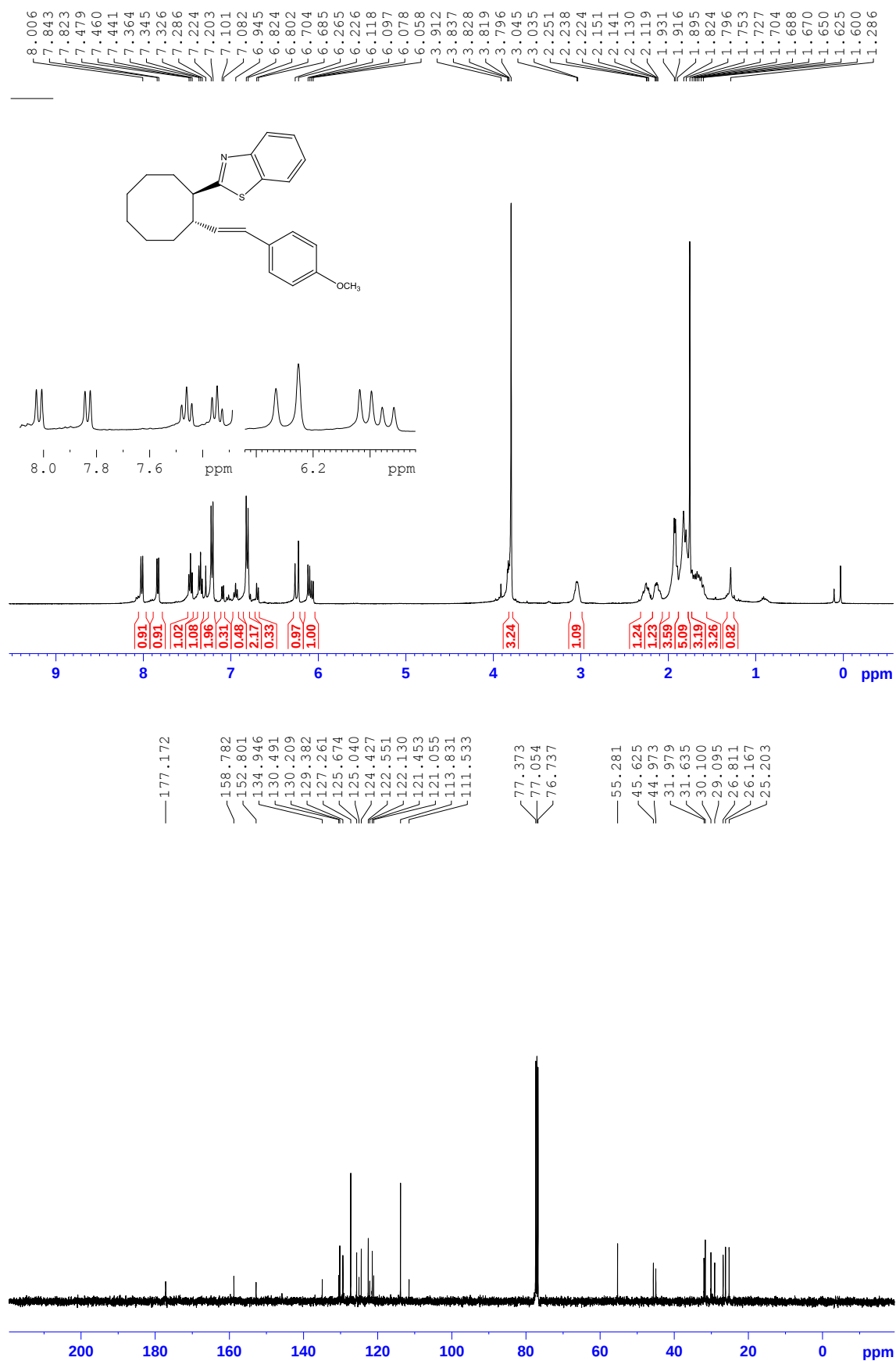
Isomers 10a-d



2-((1*R*,2*S*)-2-((*E*)-4-methylstyryl)cyclooctyl)benzo[*d*]thiazole (12):



2-((1*R*,2*S*)-2-((*E*)-4-methoxystyryl)cyclooctyl)benzo[*d*]thiazole (X):



2-((1*R*,2*S*)-2-((*E*)-4-fluorostyryl)cyclooctyl)benzo[*d*]thiazole (X):

