

Electronic supplementary information (ESI)

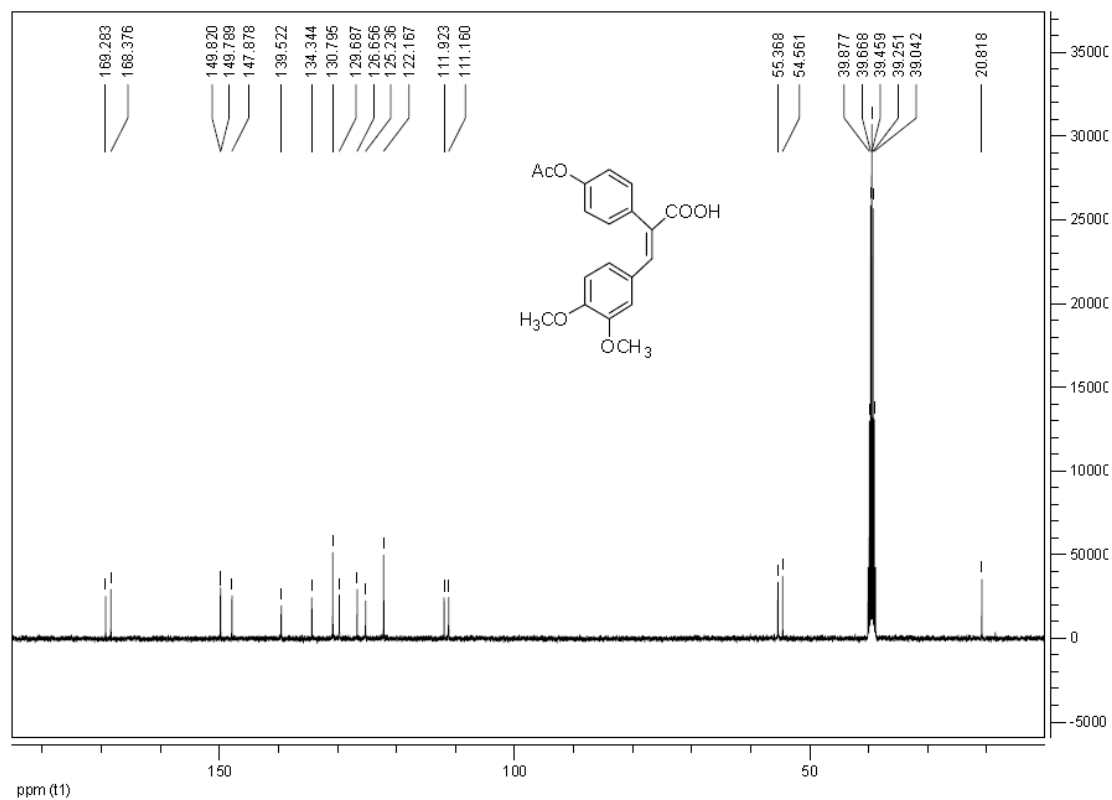
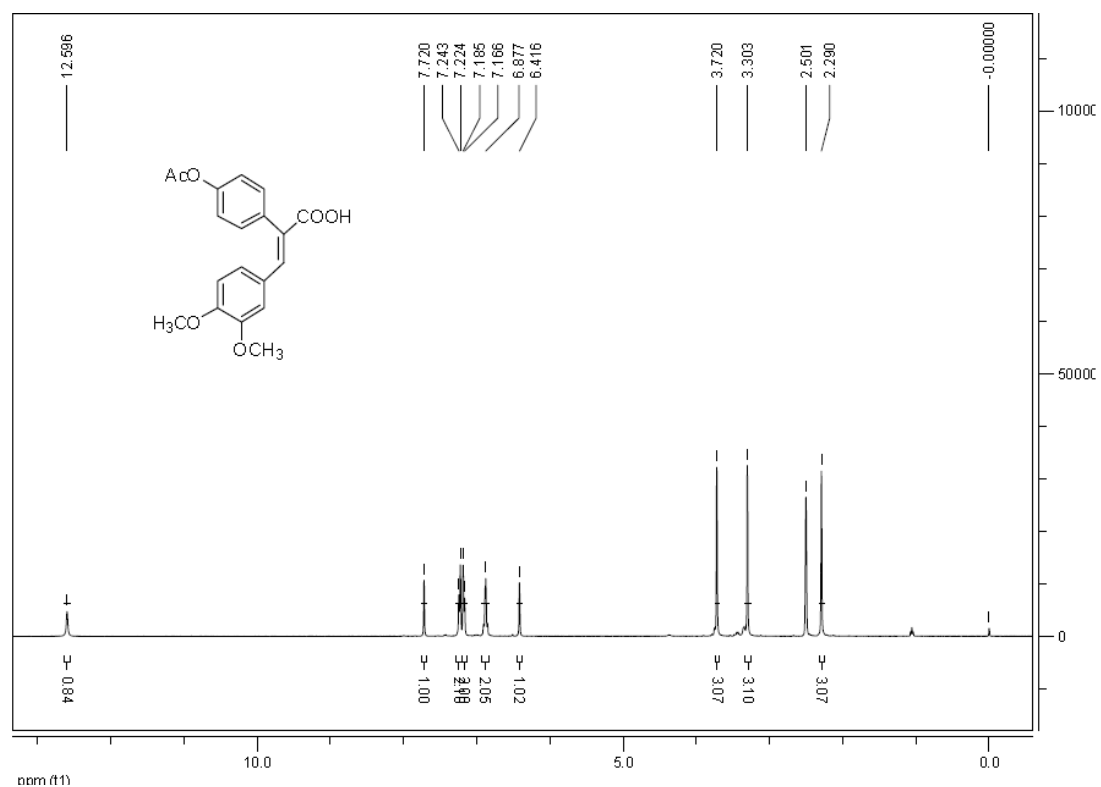
First total synthesis of (-)- and (+)-6-O-desmethyllantofine

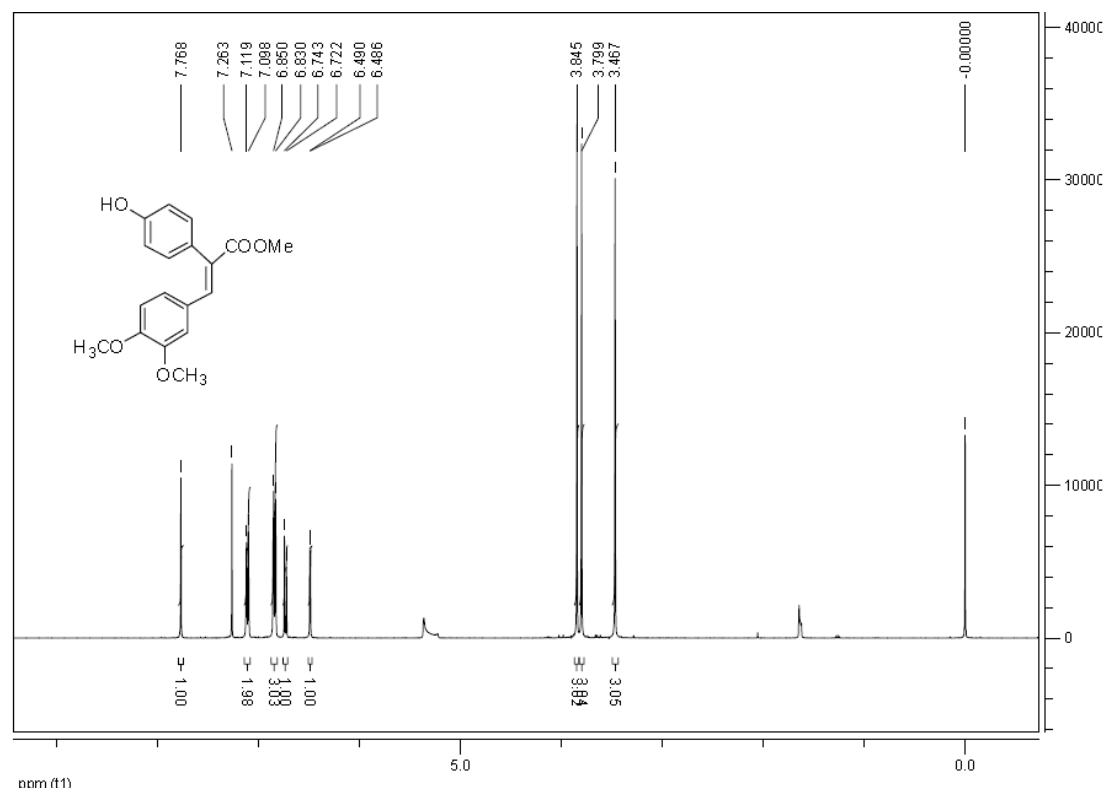
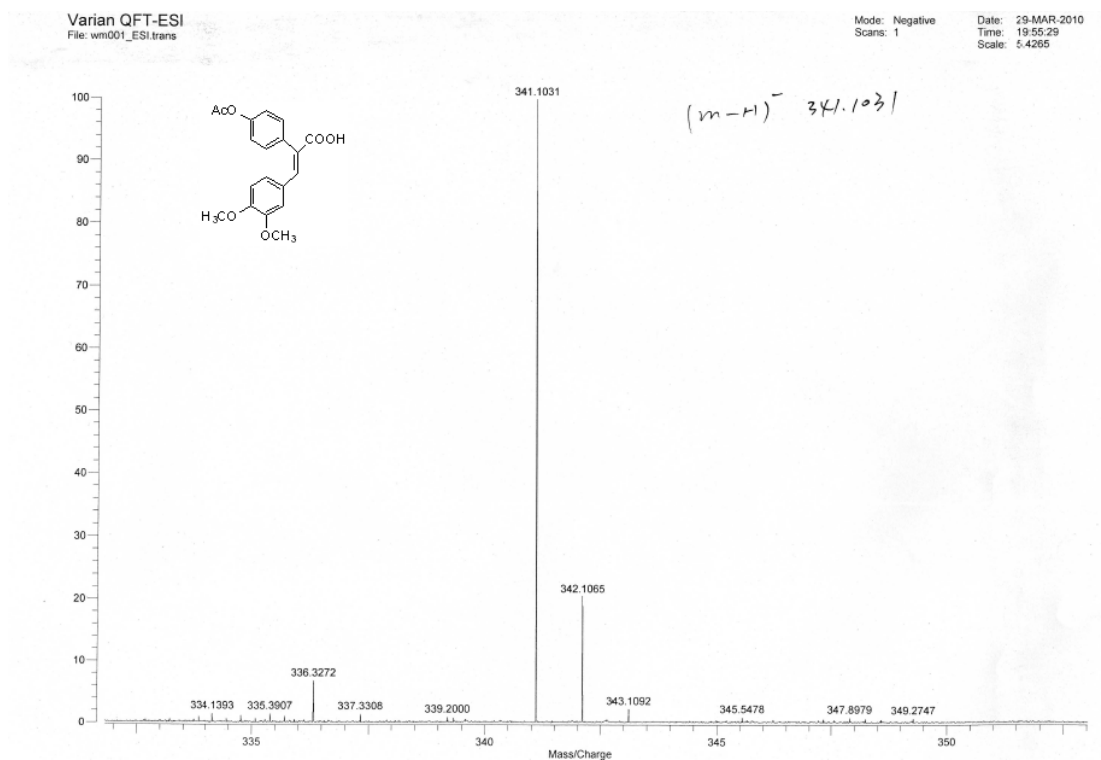
Meng Wu, Ling Li, Bo Su, Zhihui Liu and Qingmin Wang *

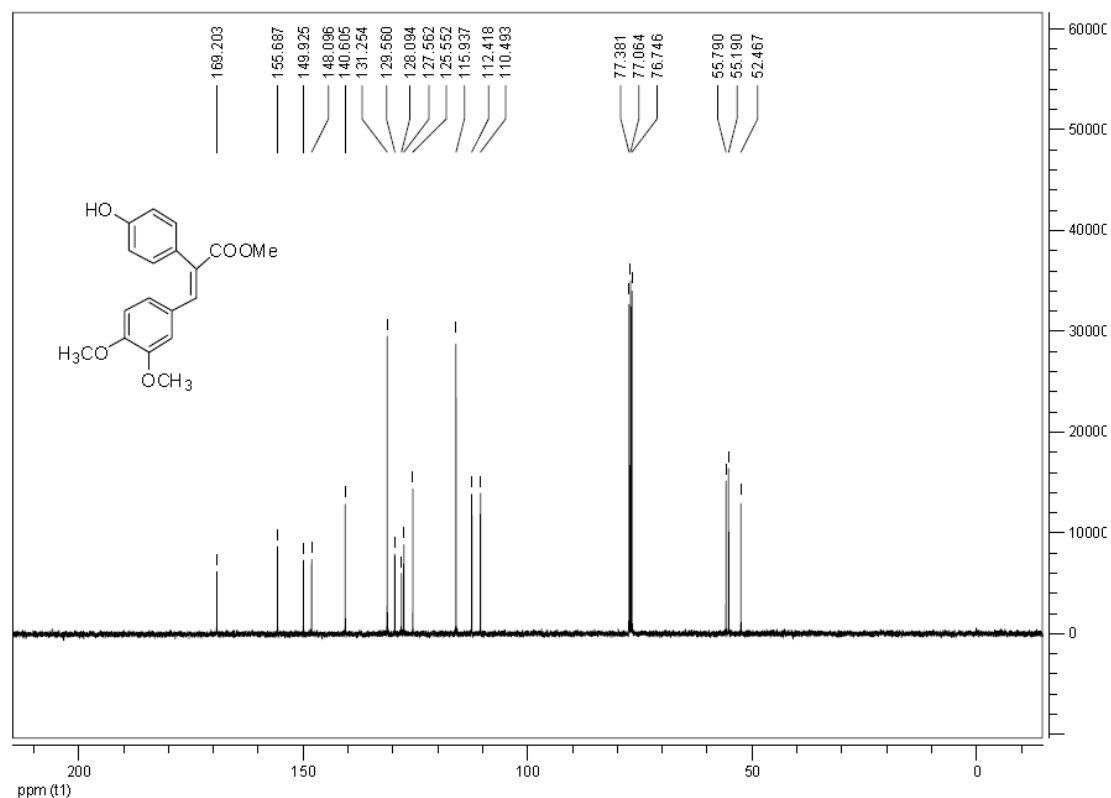
State Key Laboratory of Elemento-Organic Chemistry, Research Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, People's Republic of China.

Contents

¹H, ¹³C NMR and HRMS spectra for the compounds **1-7**, **8a-11a**, **A..**



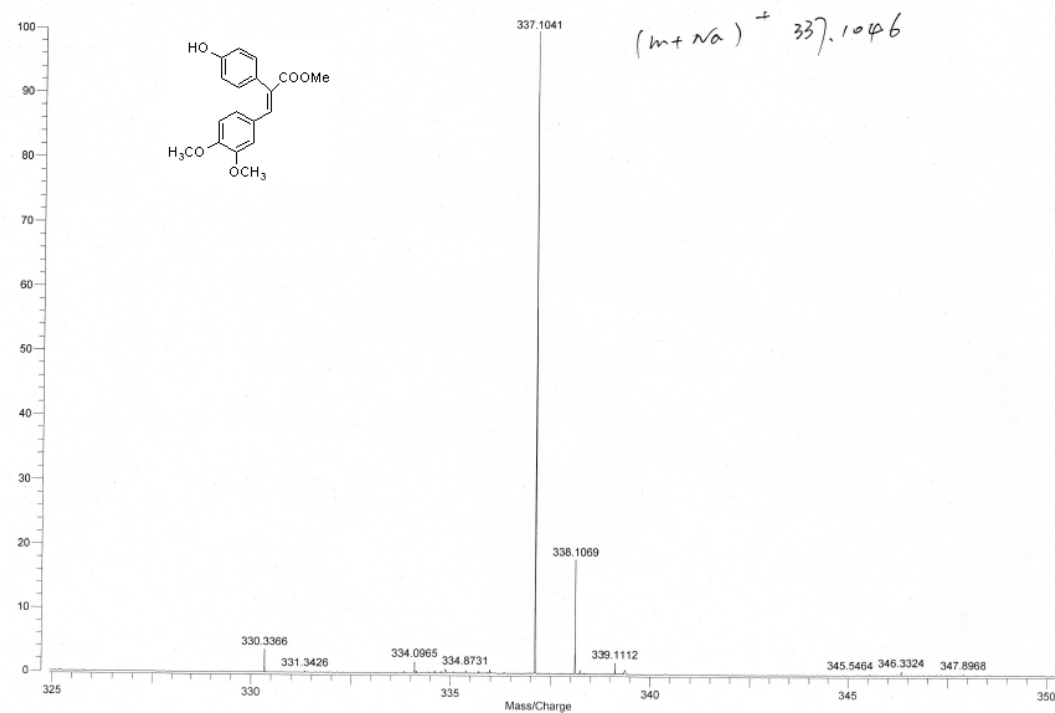


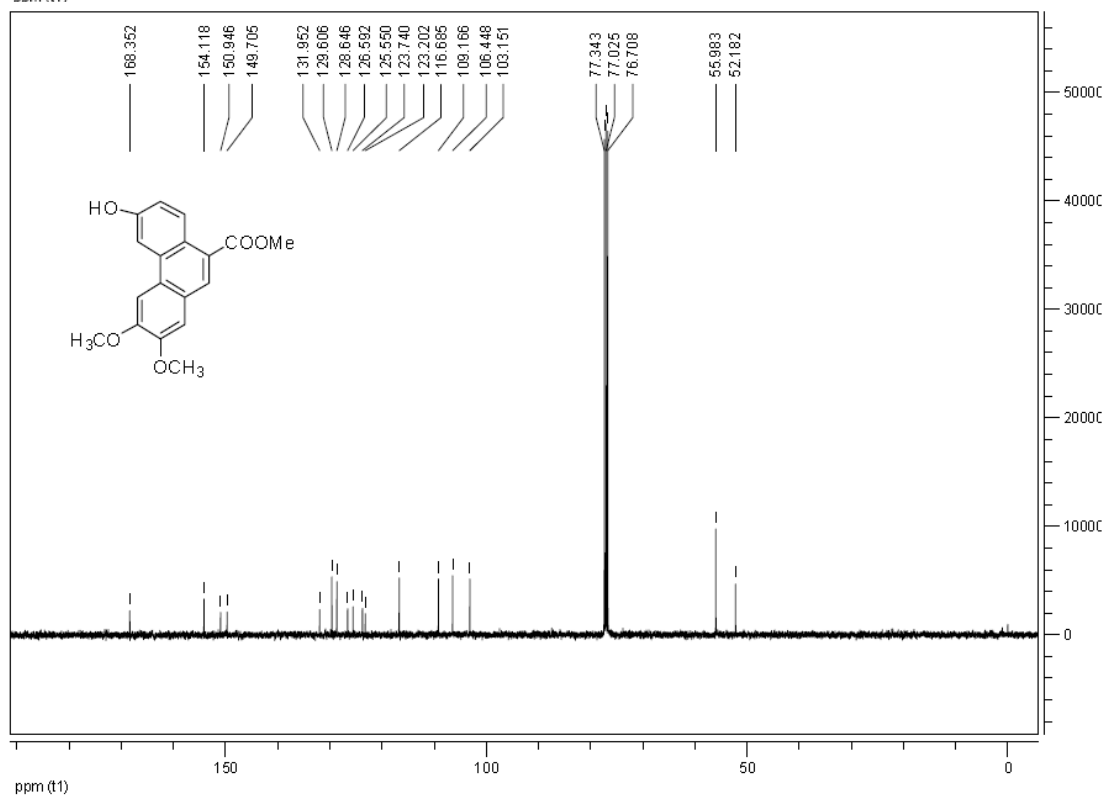


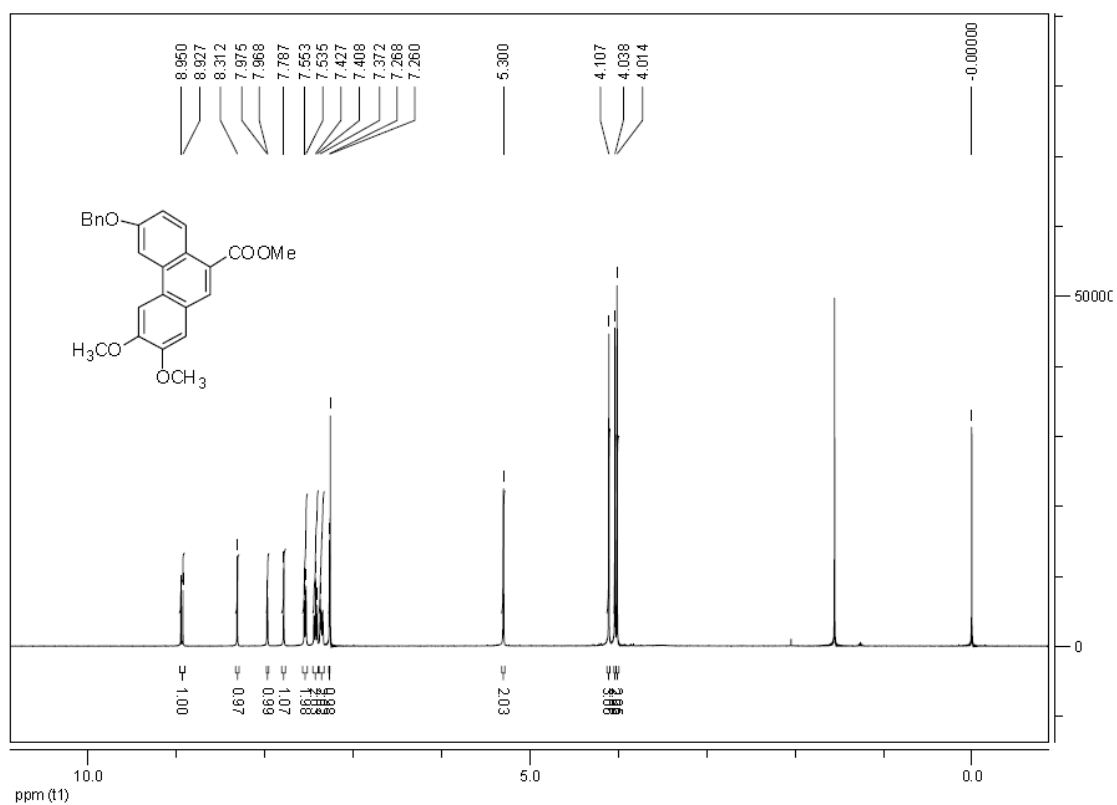
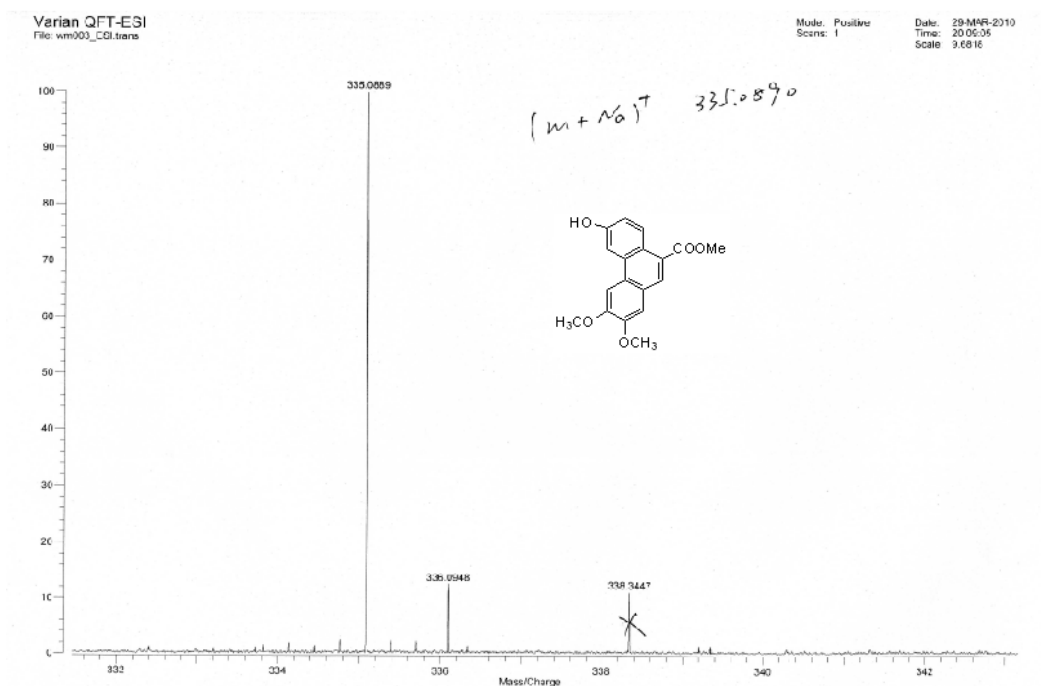
Varian QFT-ESI
File: wm002_ESI.trans

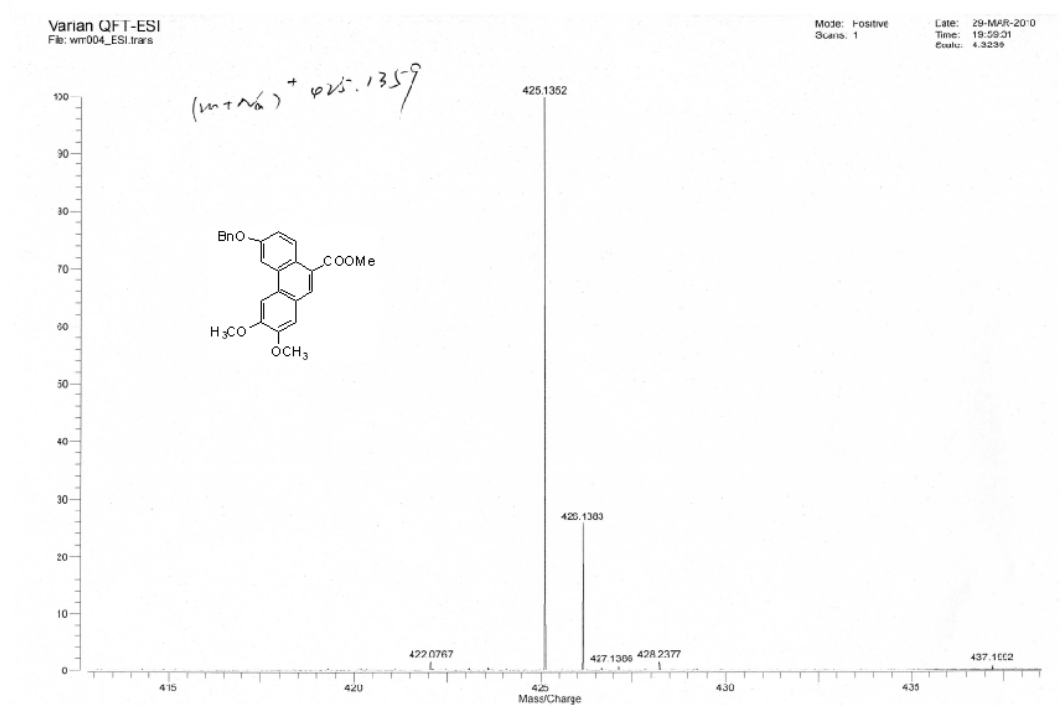
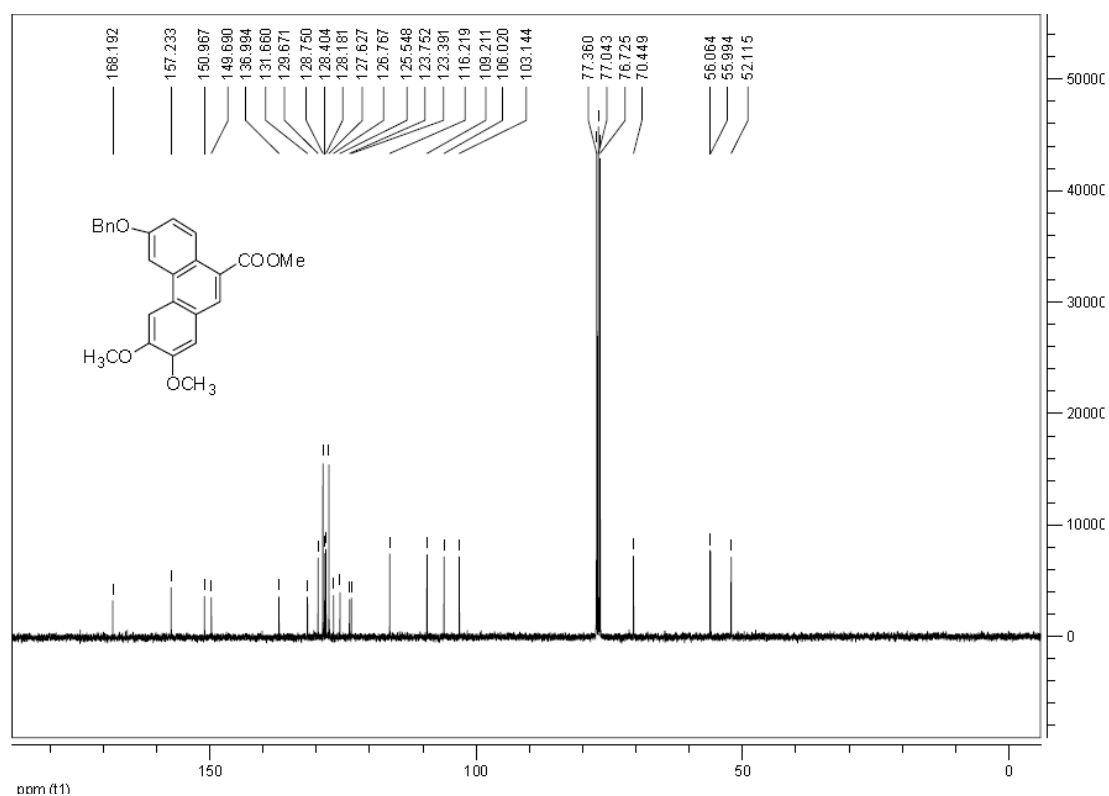
Mode: Positive
Scans: 1

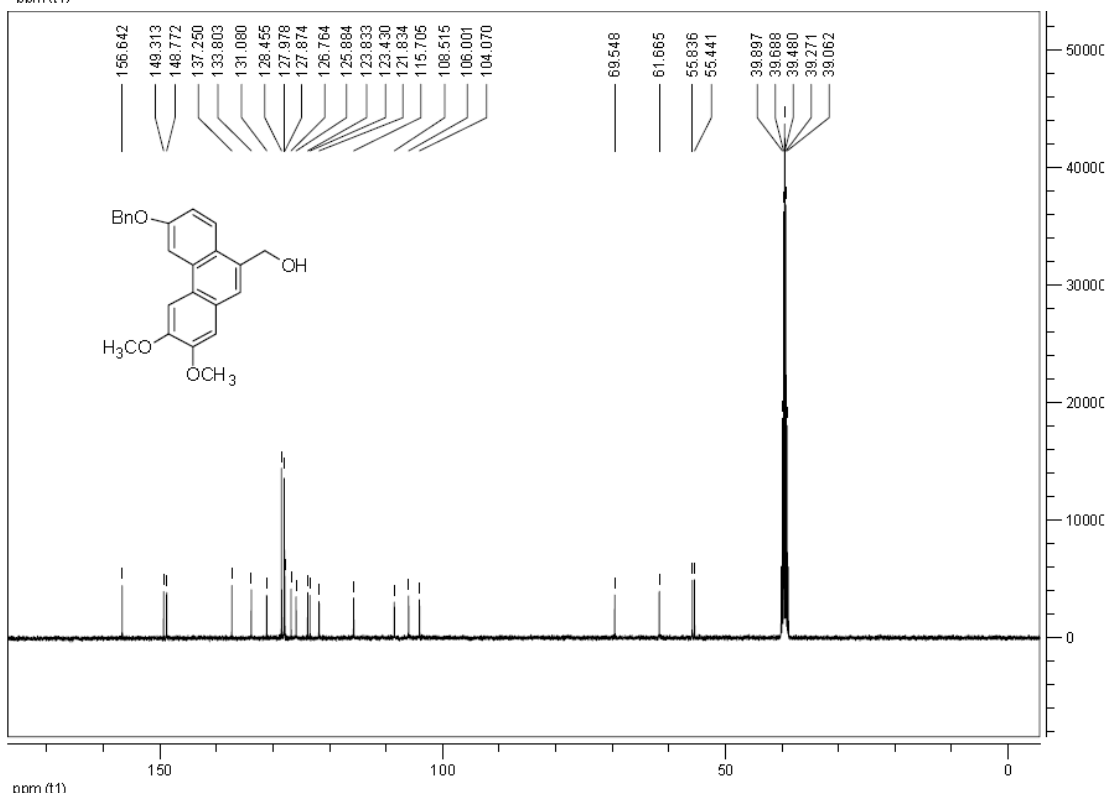
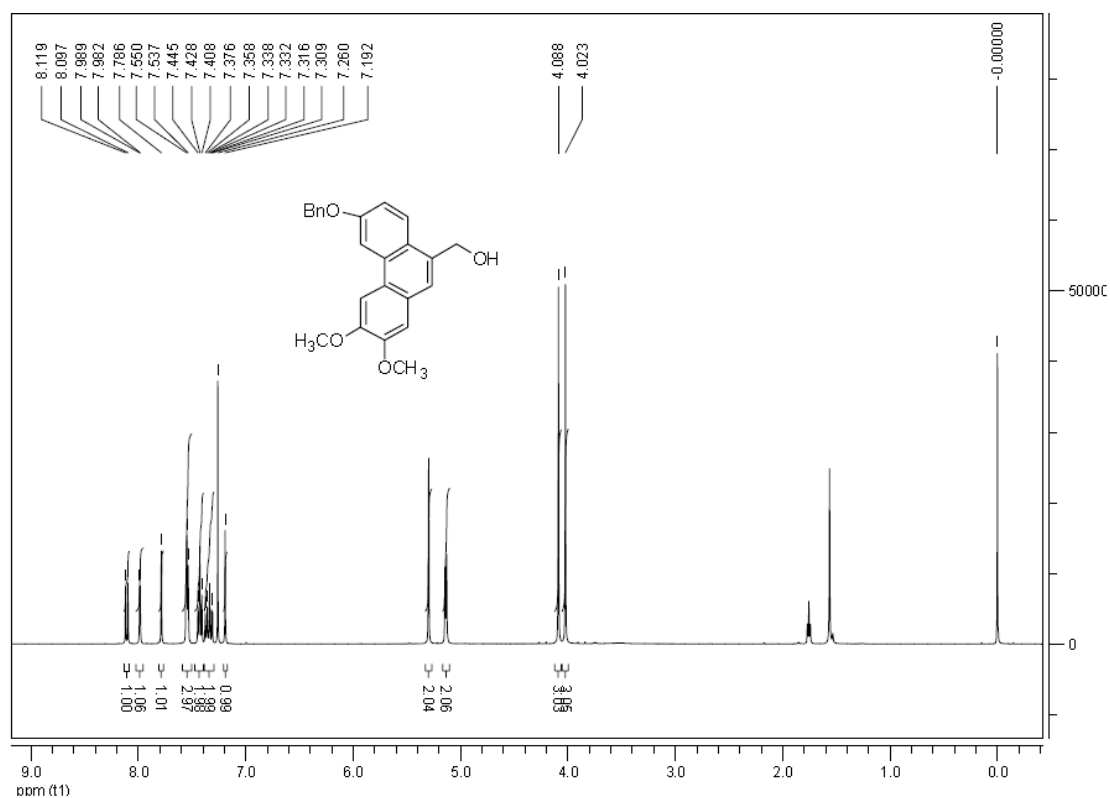
Date: 29-MAR-2010
Time: 19:57:29
Scale: 1.7165

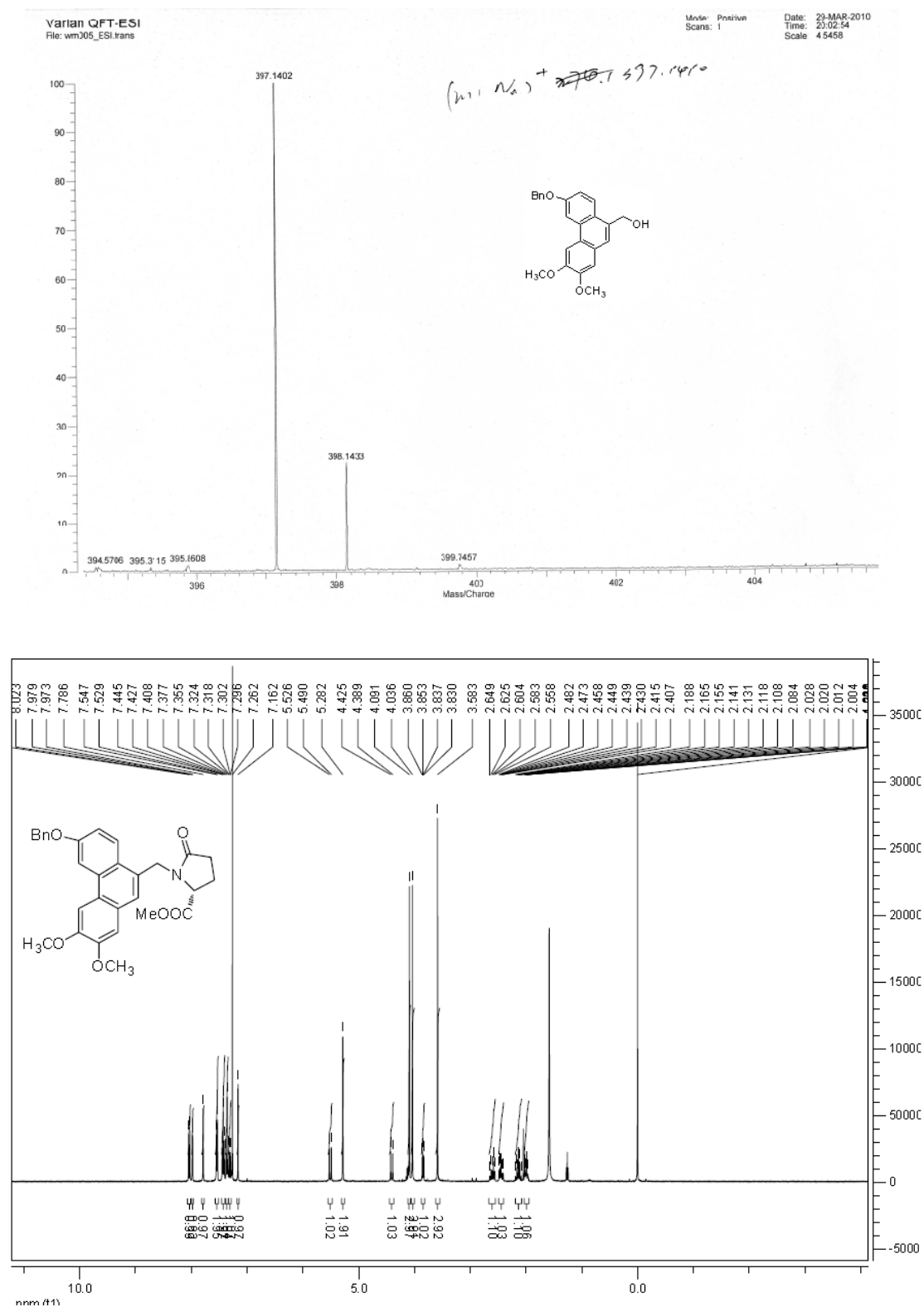


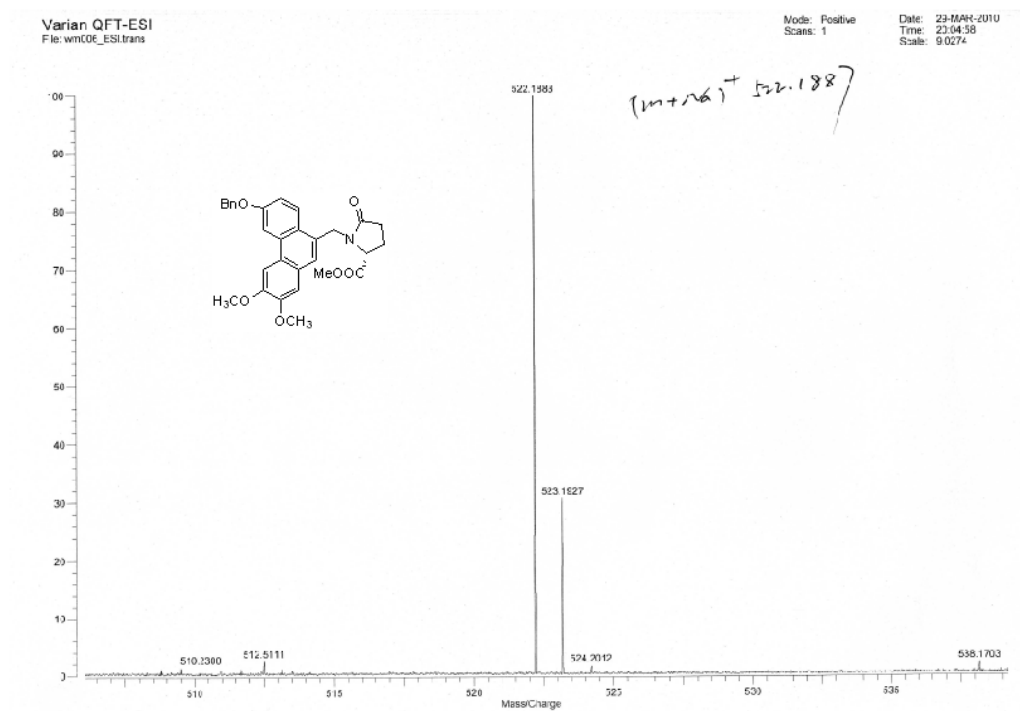
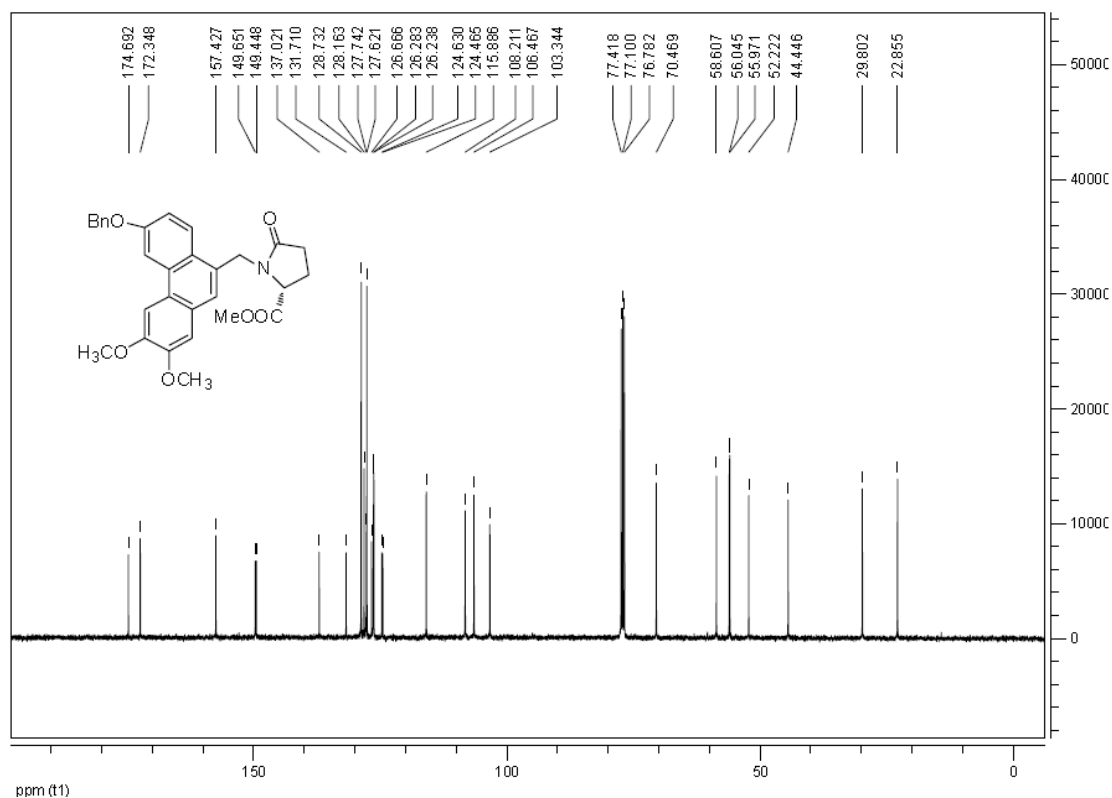


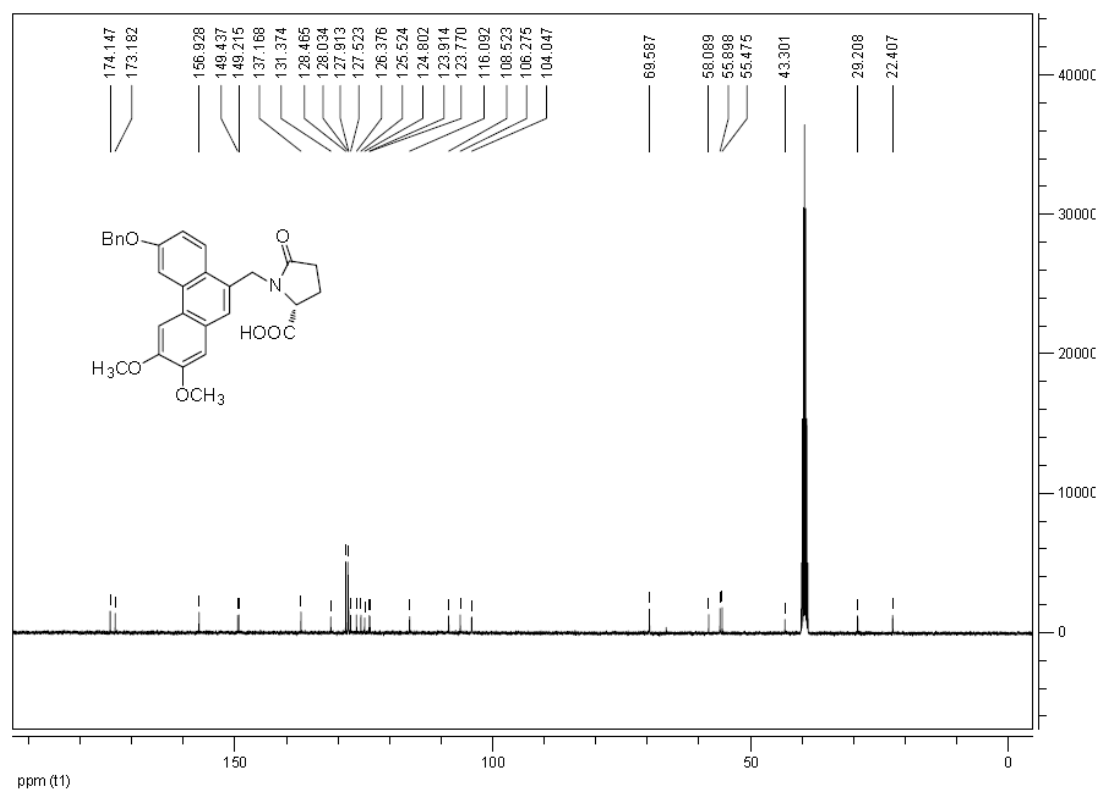
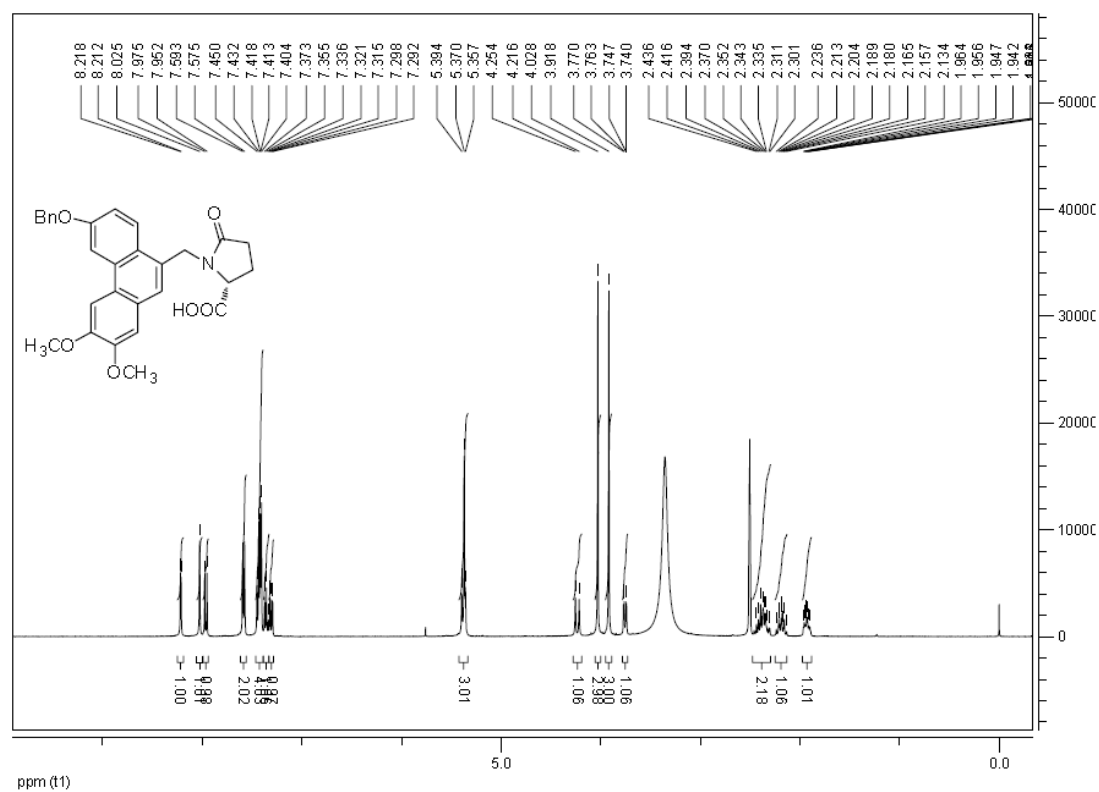


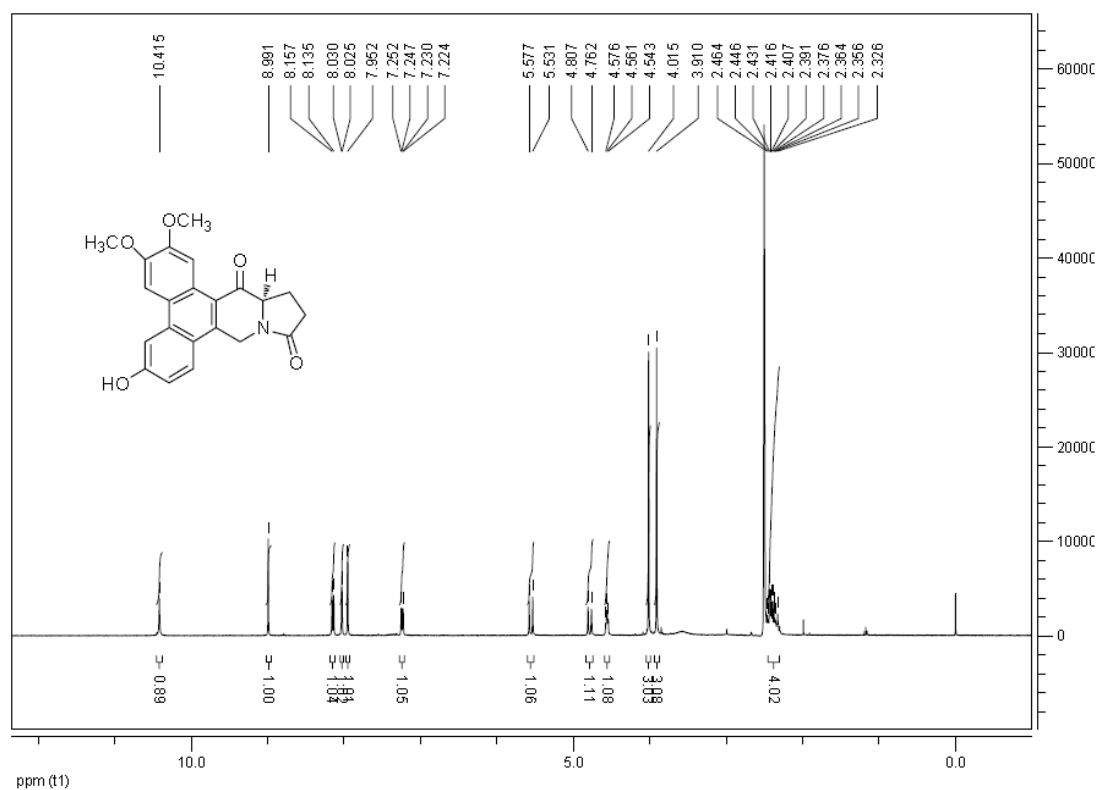
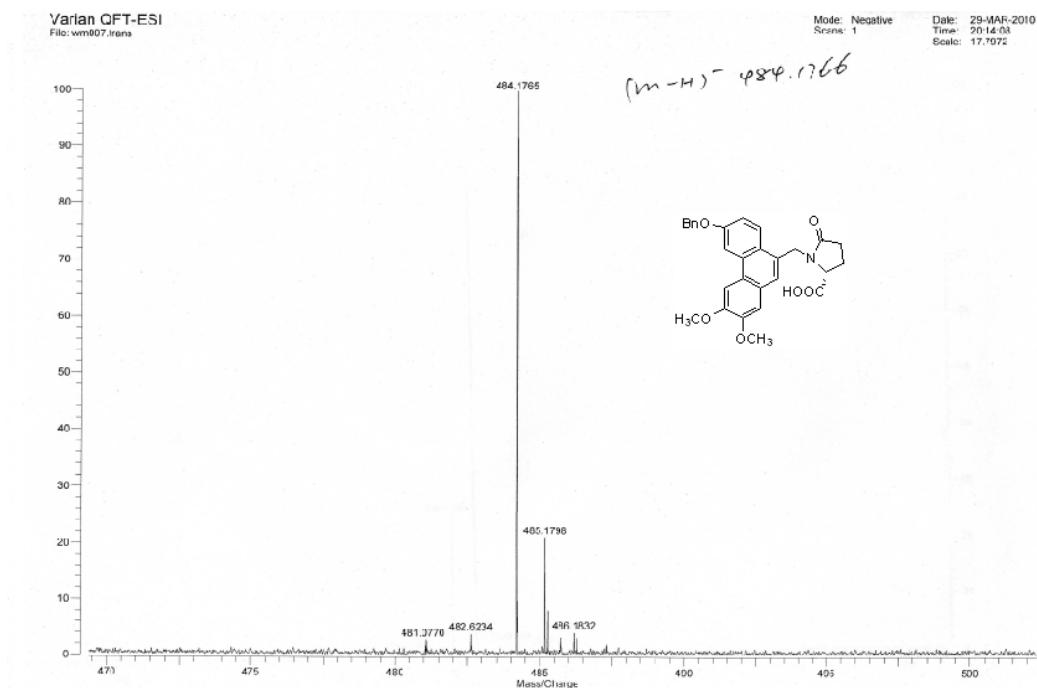


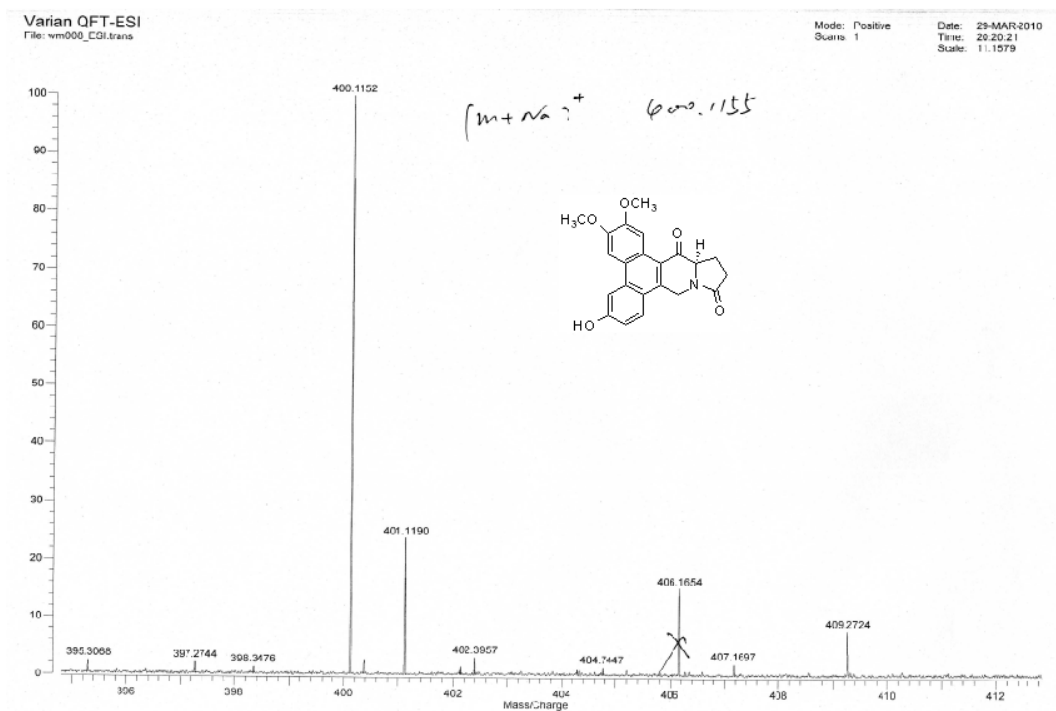
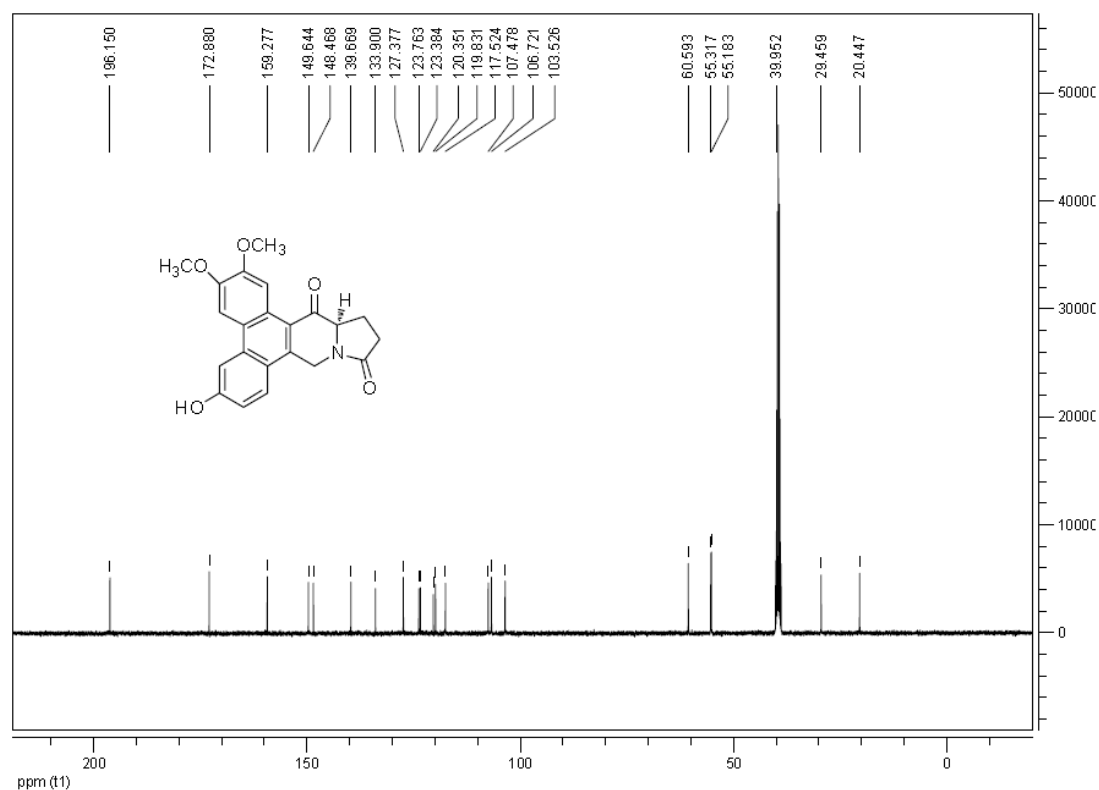


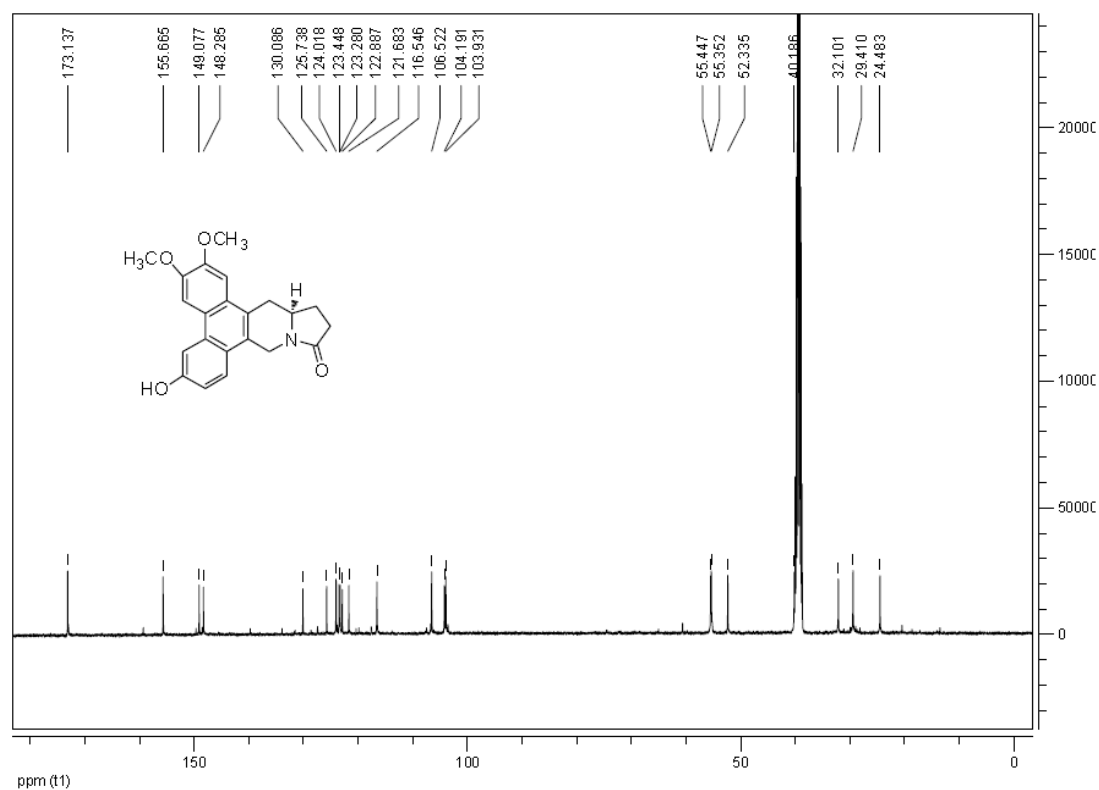
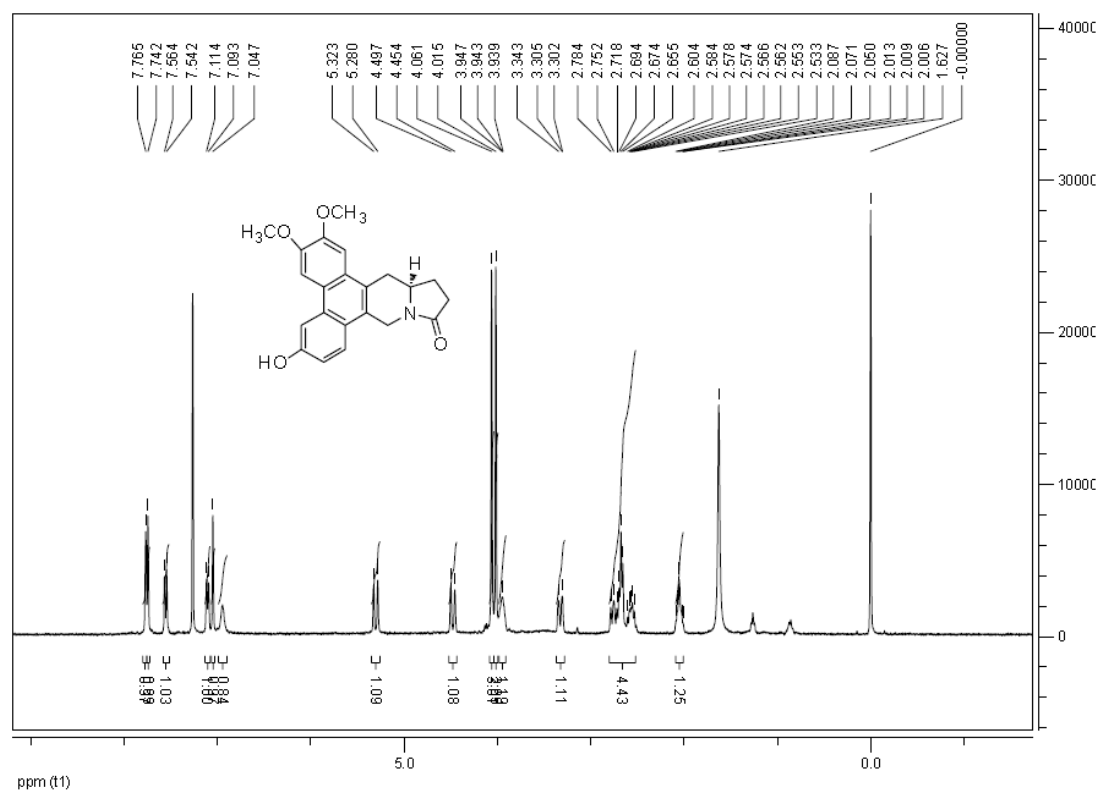




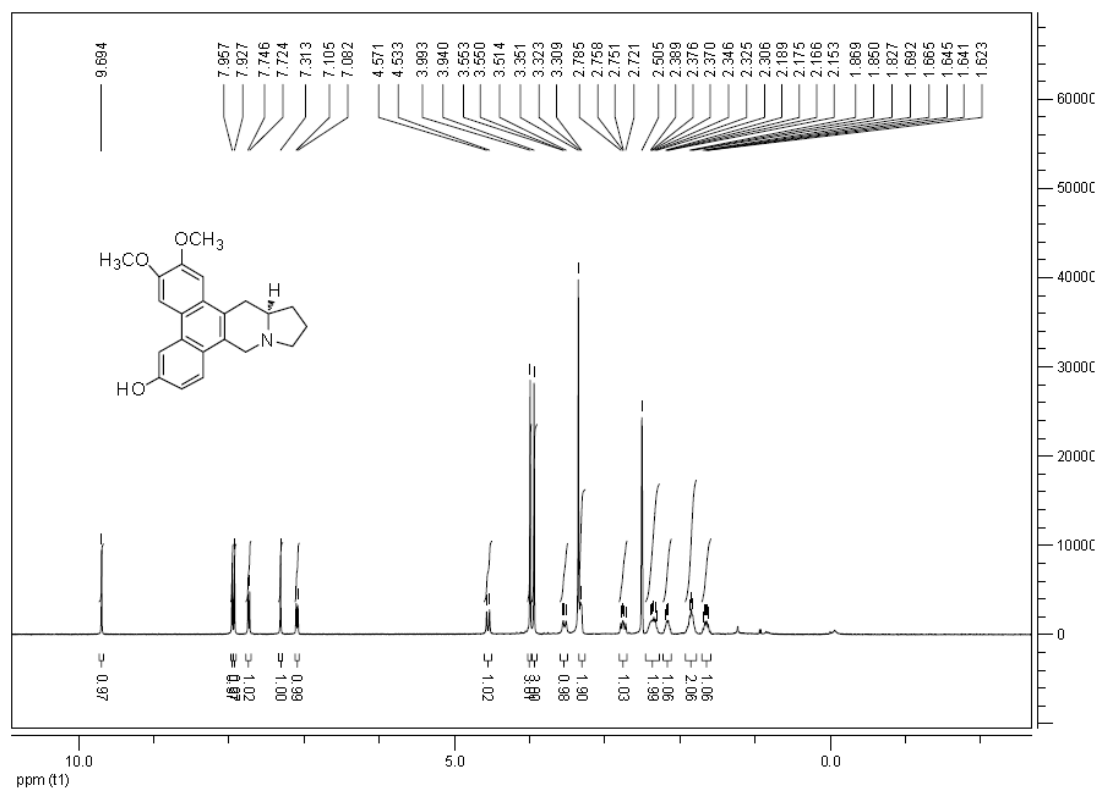
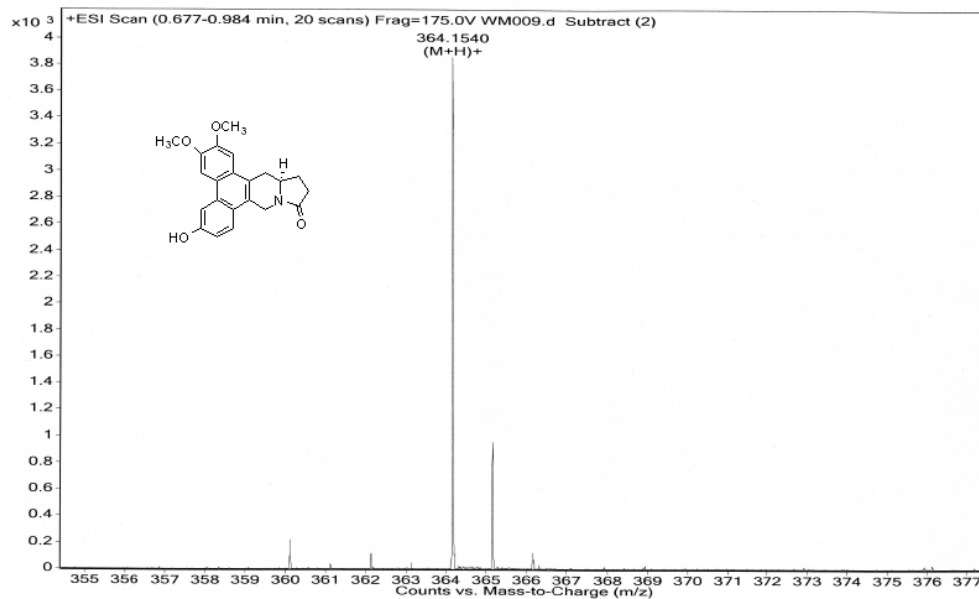


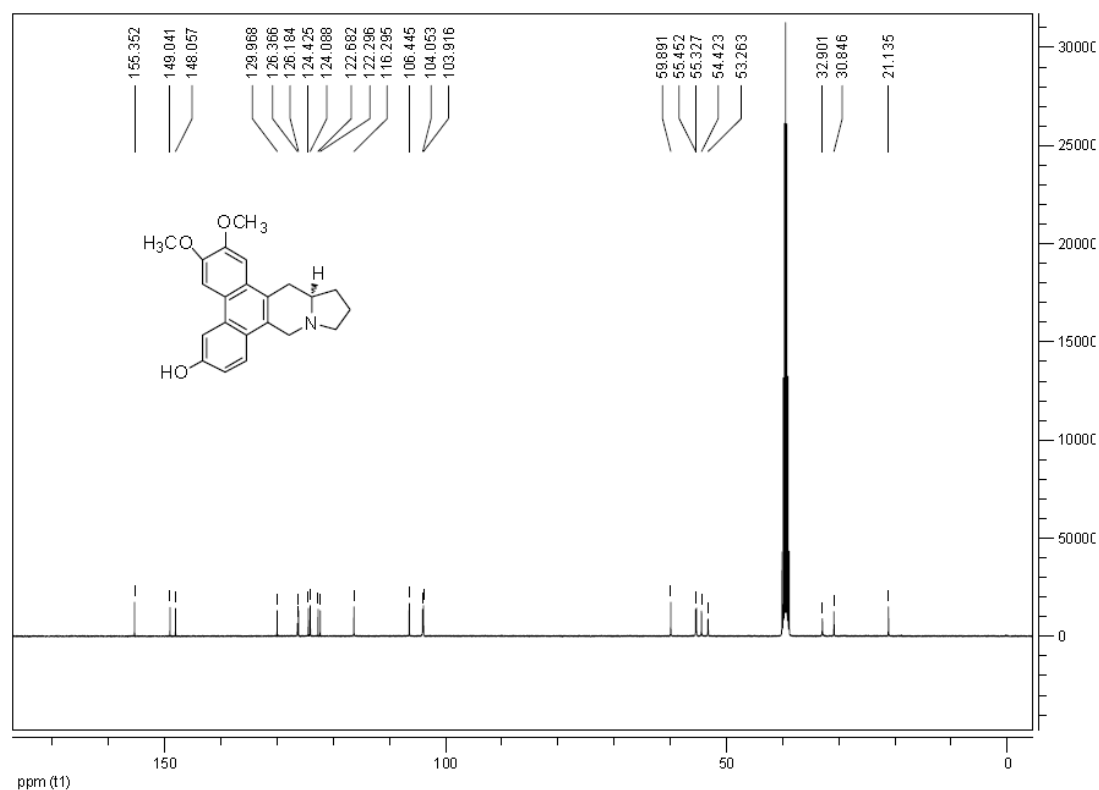






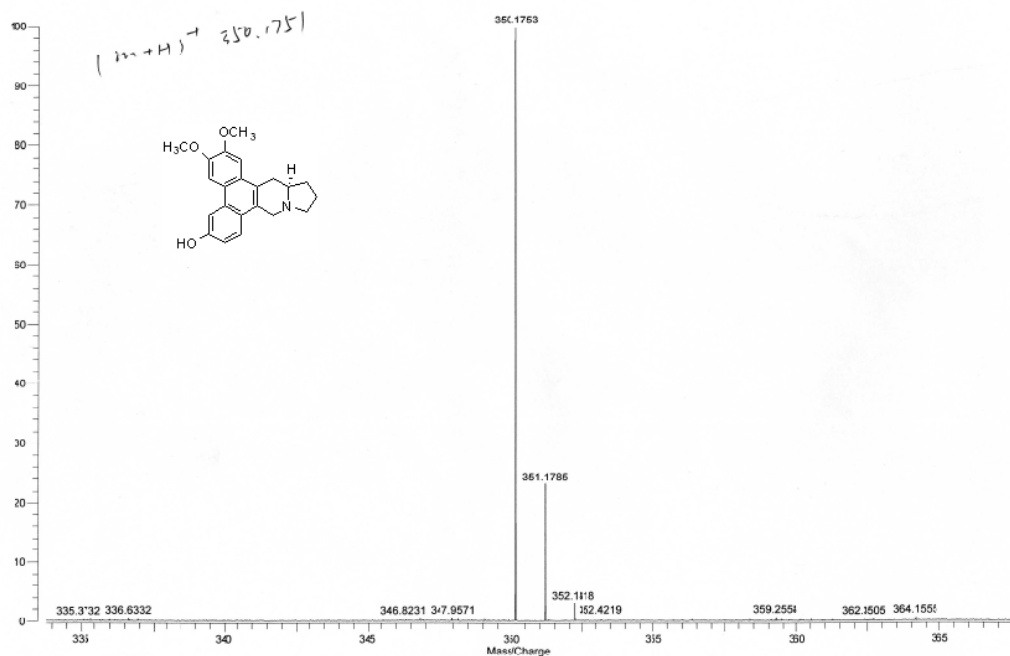
Sample Name	LC/MS	Position	Vial 3	Instrument Name	Instrument 1	User Name	
Inj Vol	-1	InjPosition		SampleType	Sample	IRM Calibration Status	Some Ions Missed
Data Filename	WM009.d	ACQ Method		Comment		Acquired Time	4/22/2010 4:19:28 PM



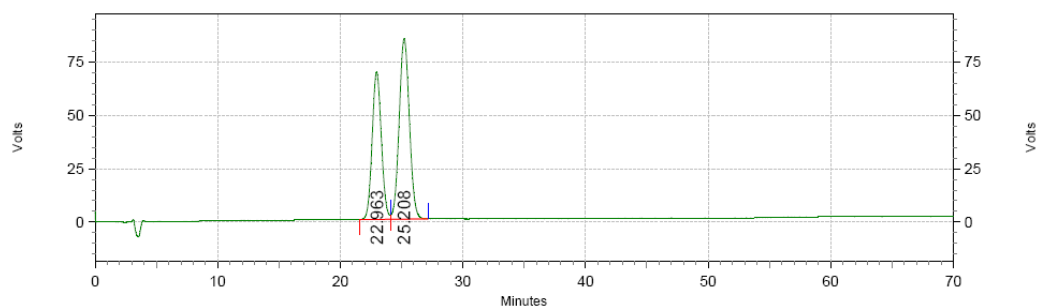


Varian QFT-ESI
File: WM101_ESI.trans

Mode: Positive
Scans: 1
Date: 11-MAY-2010
Time: 17:17:24
Scan: 3.1757



(R)-(-)-6-O-desmethylantrifine A and (S)-(+)-6-O-desmethylantrifine B

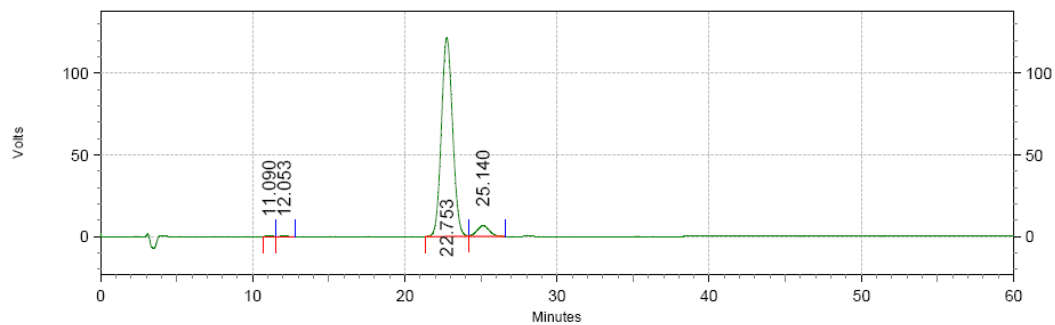


UV201-254nm

Results

保留时间	面积	面积百分比	峰高	高度百分比
22.963	3597432	42.331	69060	44.952
25.208	4900907	57.669	84569	55.048
Totals	8498339	100.000	153629	100.000

(R)-(-)-6-O-desmethylantrifine A

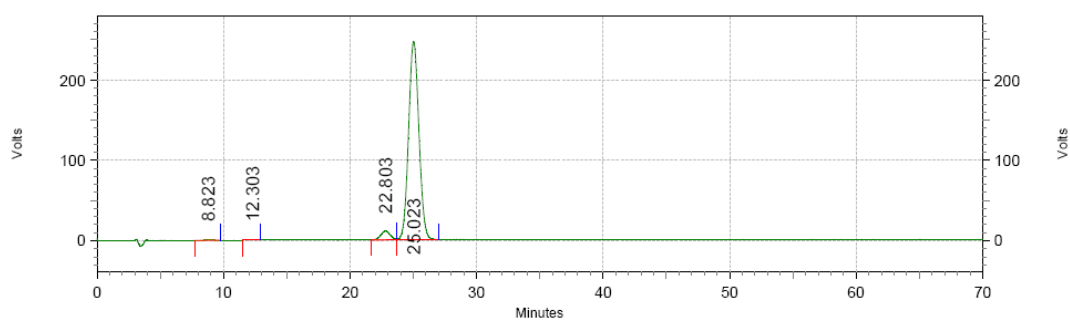


UV201-254nm

Results

保留时间	面积	面积百分比	峰高	高度百分比
11.090	6082	0.092	222	0.173
12.053	6855	0.104	187	0.145
22.753	6233504	94.164	121639	94.580
25.140	373415	5.641	6561	5.102
Totals	6619856	100.000	128609	100.000

(S)-(+)-6-O-desmethylantofine B



UV201-254nm

Results

保留时间	面积	面积百分比	峰高	高度百分比
8.823	30039	0.207	634	0.246
12.303	8428	0.058	185	0.072
22.803	548126	3.771	10823	4.194
25.023	13950372	95.965	246402	95.488
Totals	14536965	100.000	258044	100.000