

Supporting Information
for
Pd(OAc)₂/Ph₃P-catalyzed dimerization of isoprene and
synthesis of monoterpenic heterocycles

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94315 Straubing, Germany

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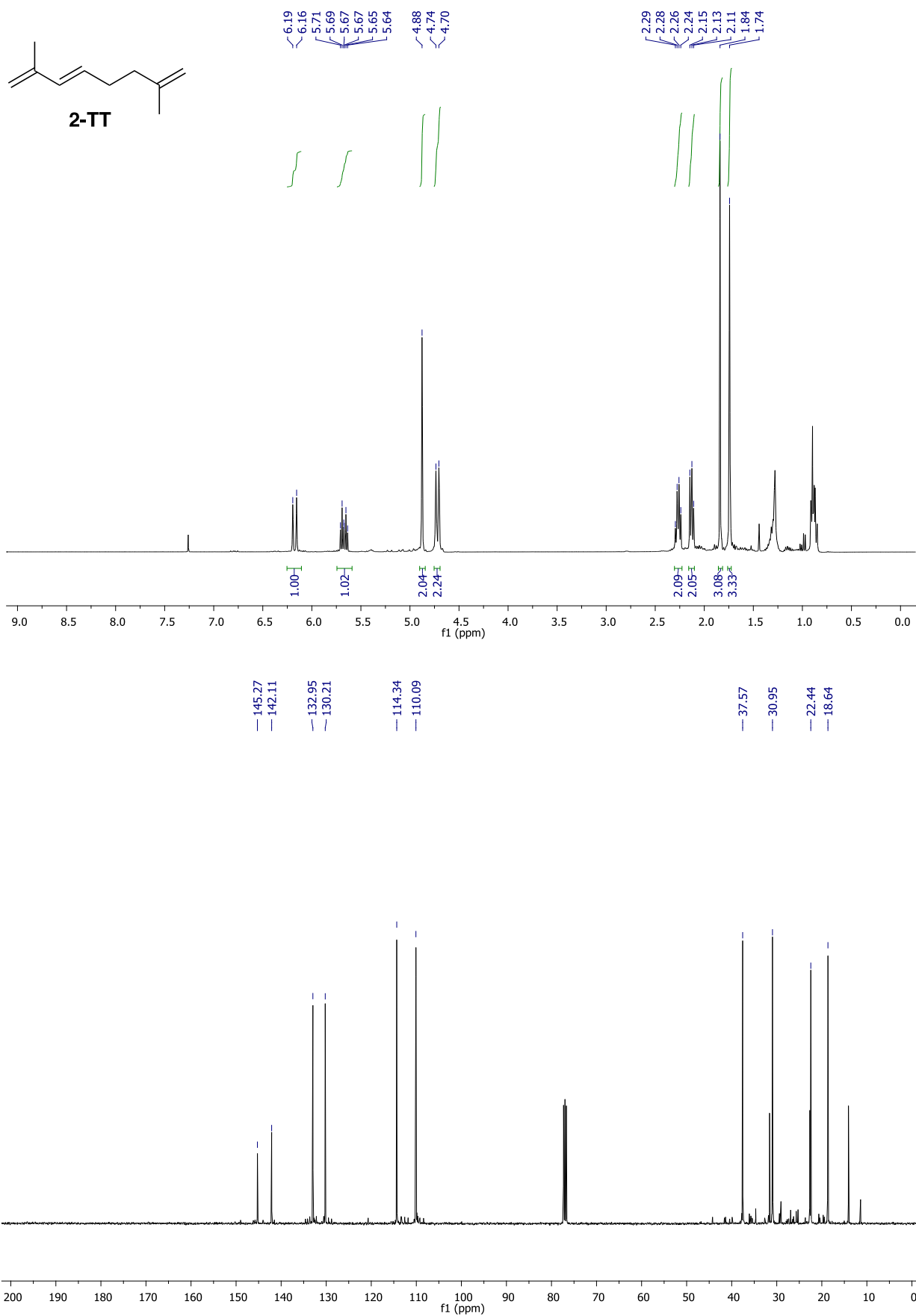
¹H NMR and ¹³C NMR spectra collection of the products
and GC–FID analysis of the isoprene dimer's mixture

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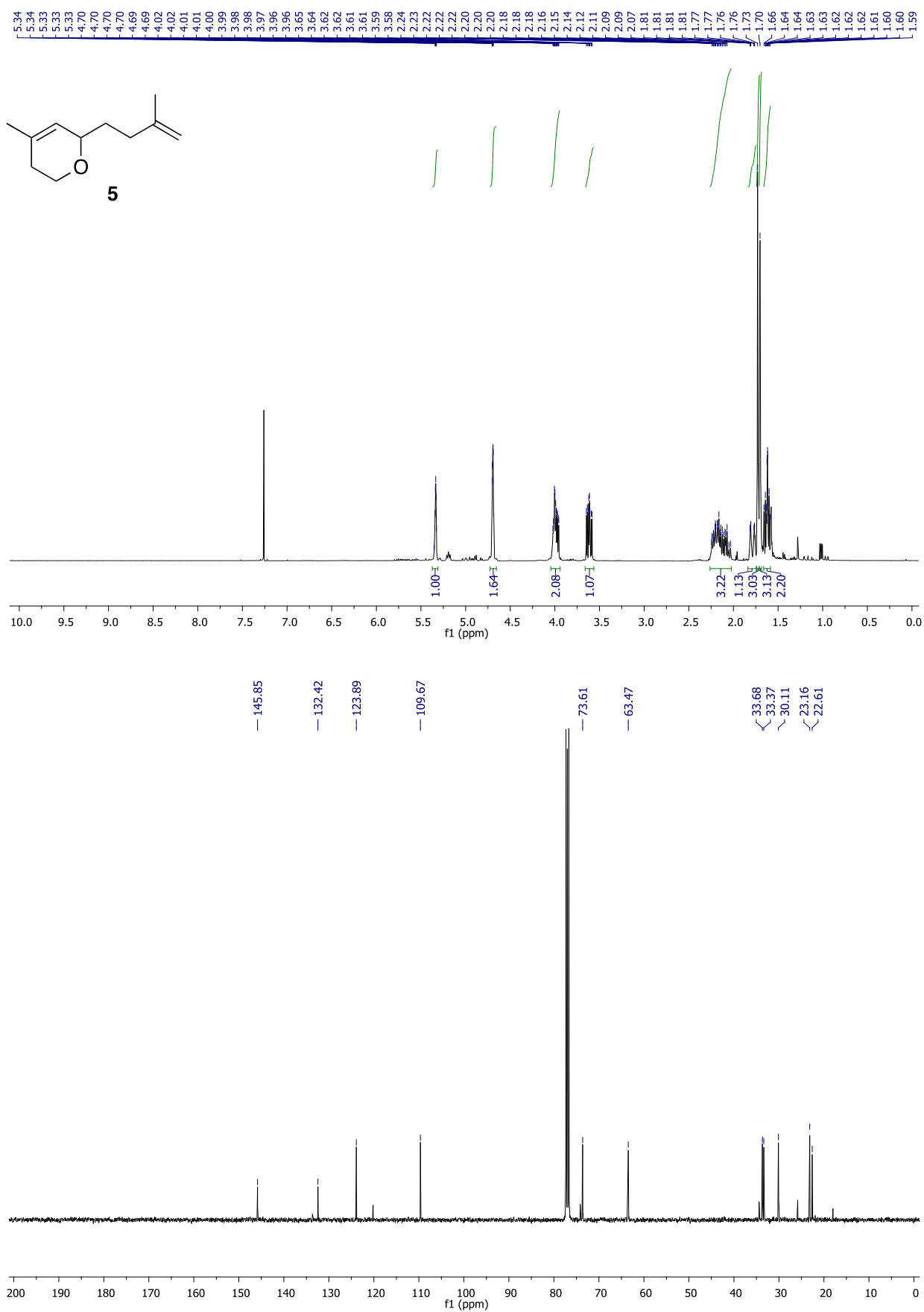
1. NMR spectra
2. GC–FID Analysis

1. NMR spectra

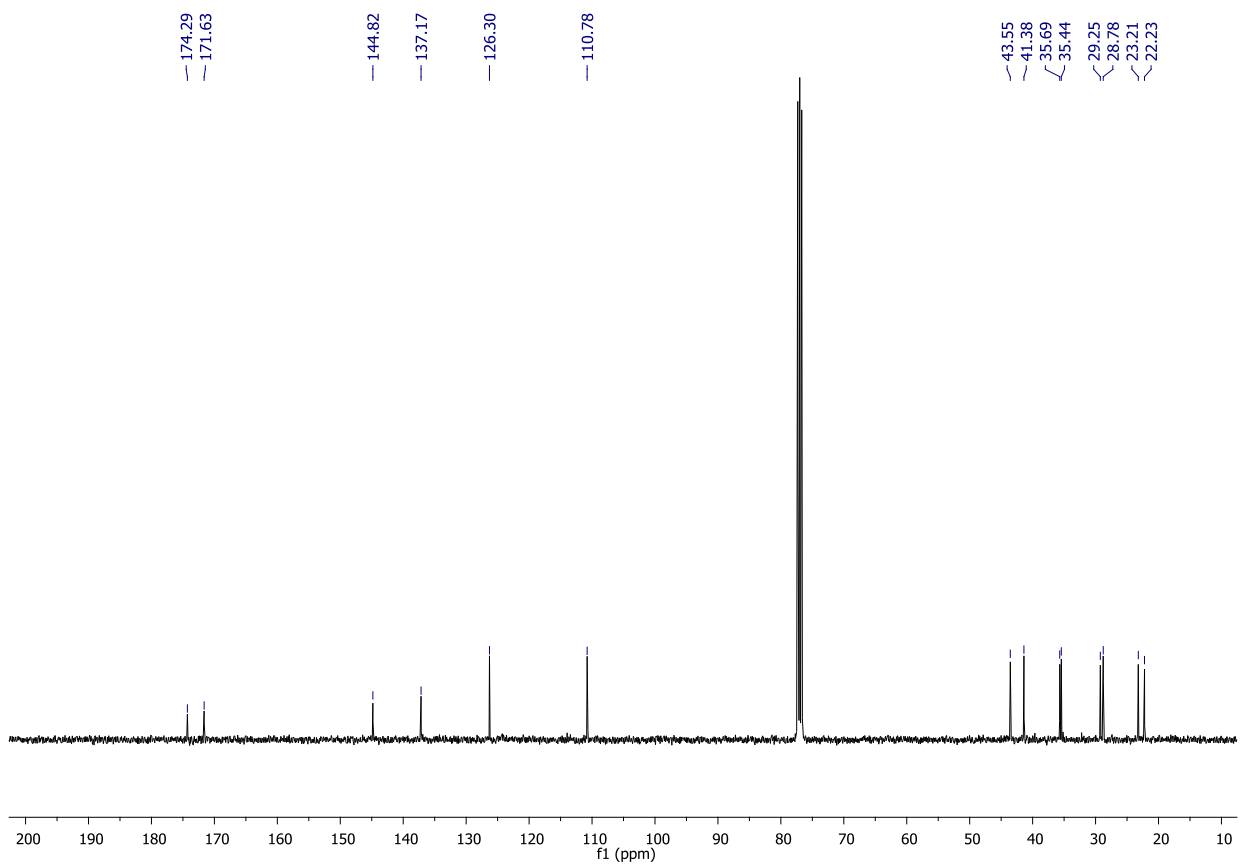
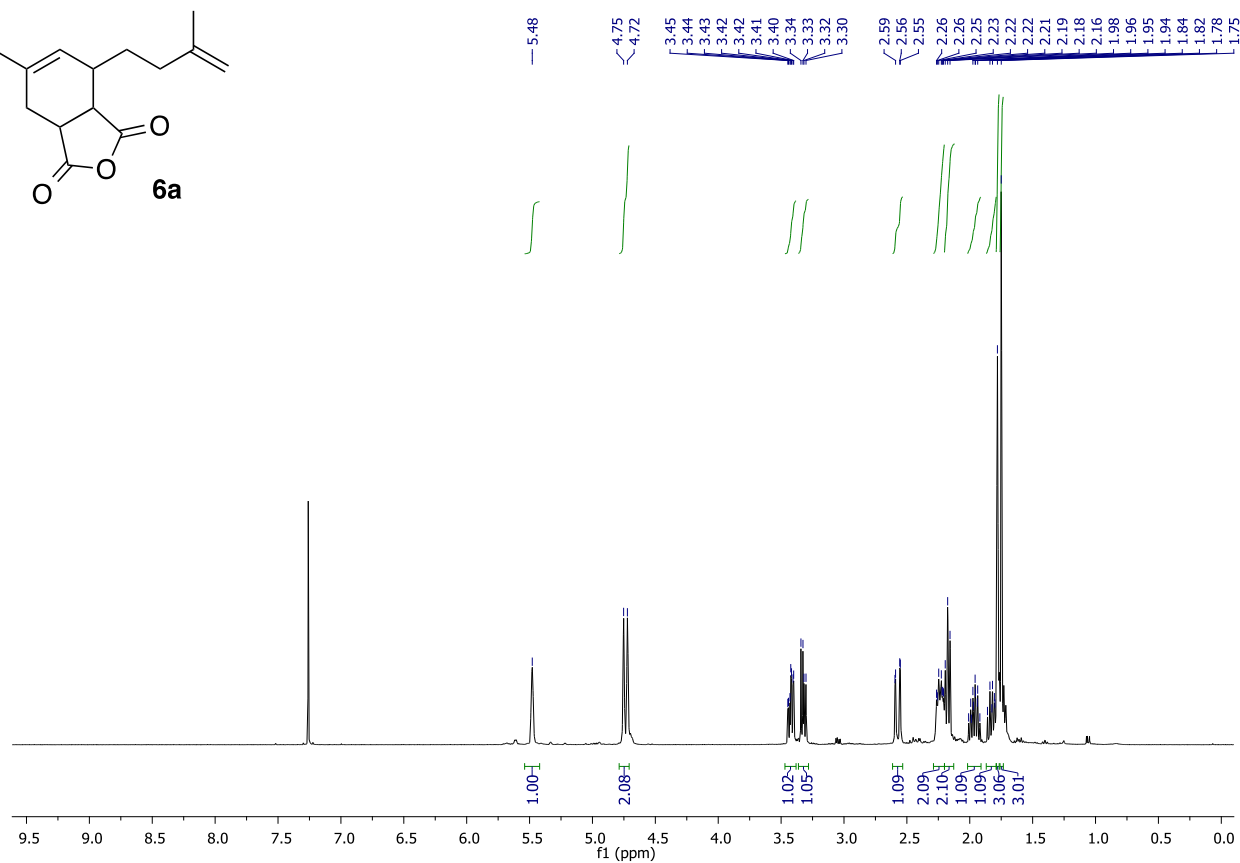
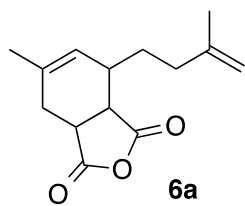
Isoprene dimer:



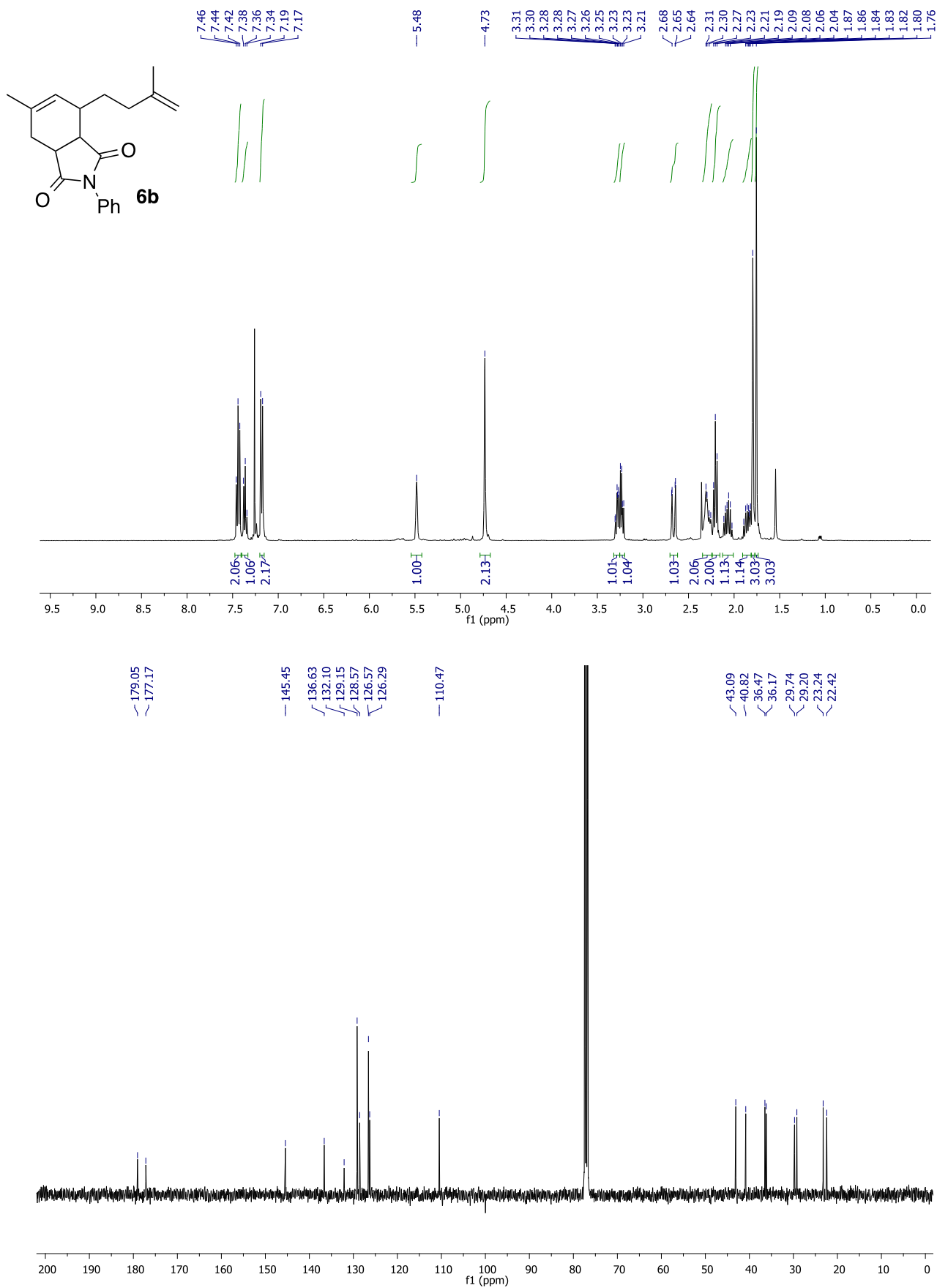
Pyrane:



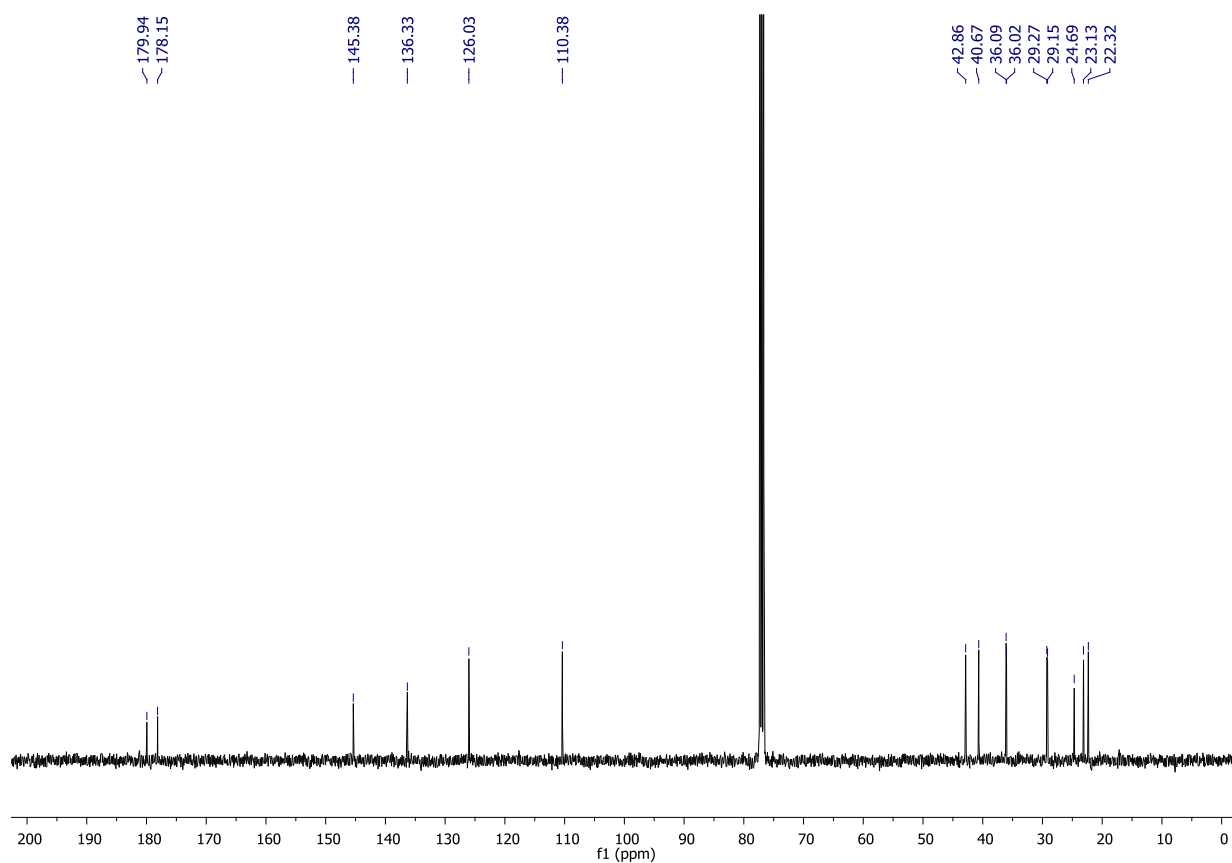
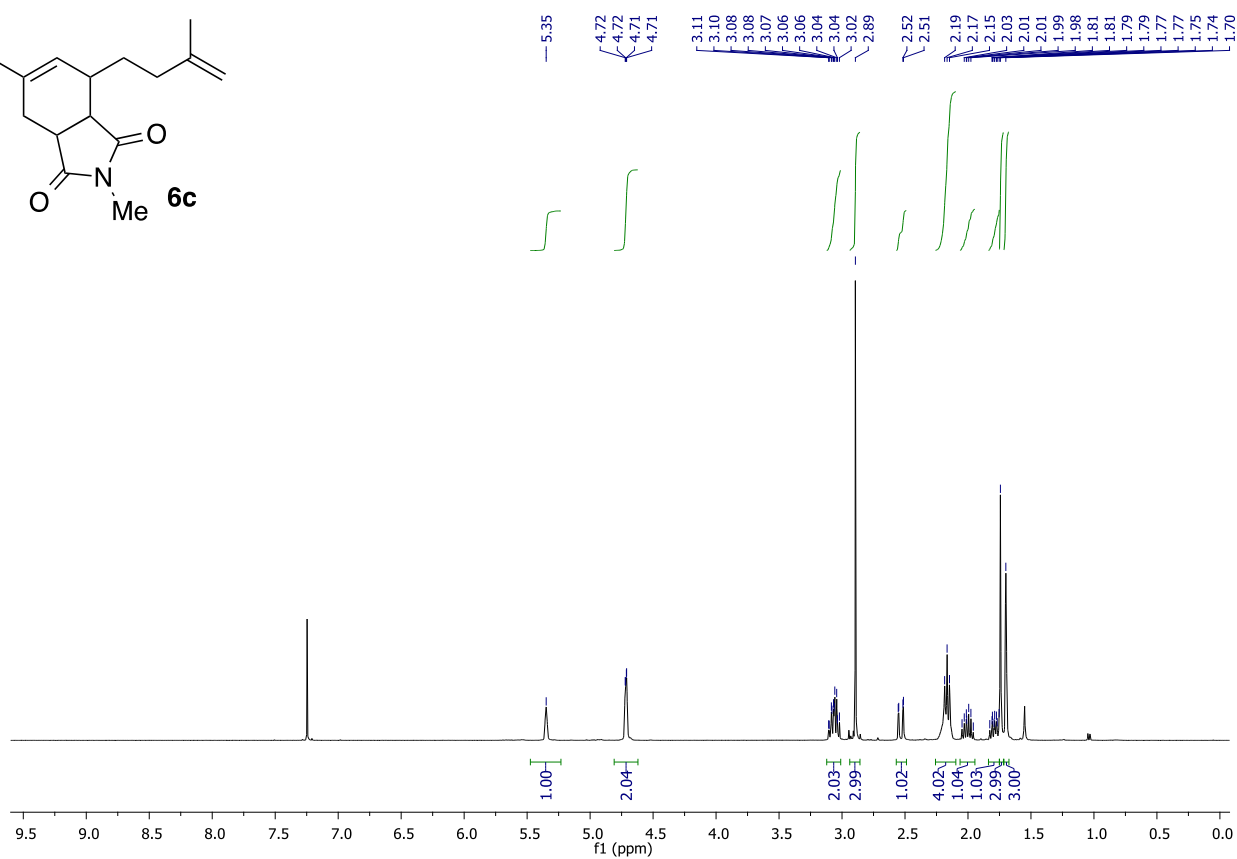
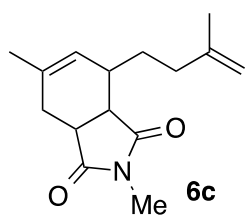
Tetrahydroisobenzofurane:



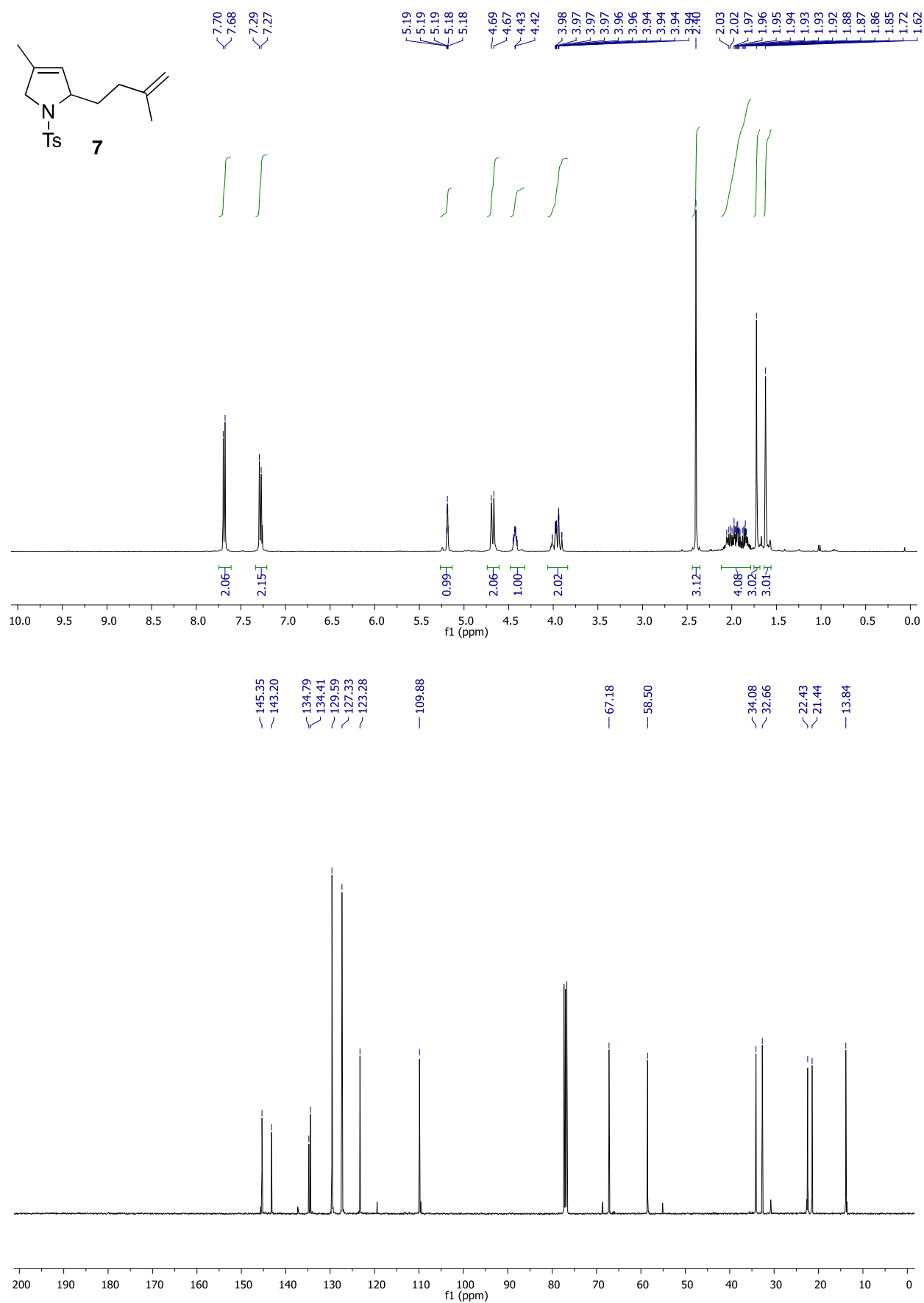
N-Phenyltetrahydroisoindole:



N-Methyltetrahydroisoindole:



Pyrrolidine:

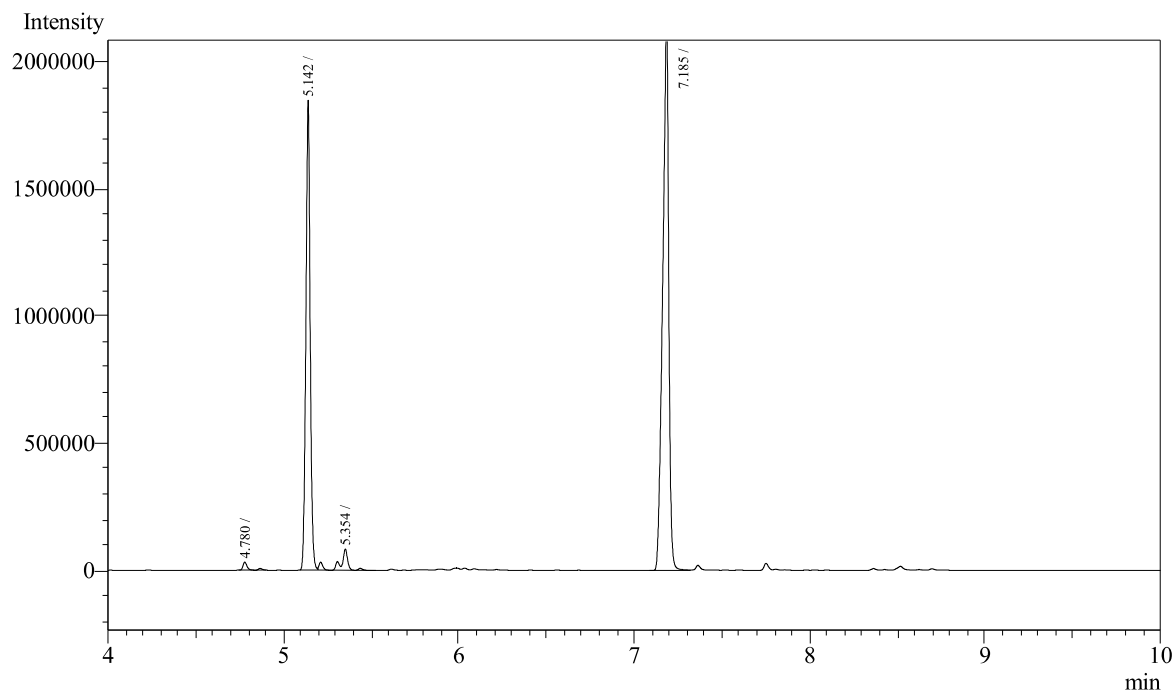


2. GC-FID analysis:

Full chromatogram [standard: decanol, 7.185 min; 2-TT, 5.142 min]

Data Name : C:\GCsolution\Data\Project1\ked dimer THF 3_12042017_1.gcd

Method Name : C:\GCsolution\Data\Project1\Method 1.gcm



Peak#	Ret.Time	Area	Height	Conc.	Unit	Mark	ID#	Cmpd Name
1	4.780	61293	31678	0.712				
2	5.142	3138420	1797450	36.480				
3	5.354	251007	83015	2.918				
4	7.185	5152360	2132080	59.890				
Total		8603080	4044223					

Zoomed chromatogram (monoterpene species)

