

Supplementary Material

Preparation of benzannulated spiroketals by gold(III) catalyzed spirocyclization of alkynyl diols

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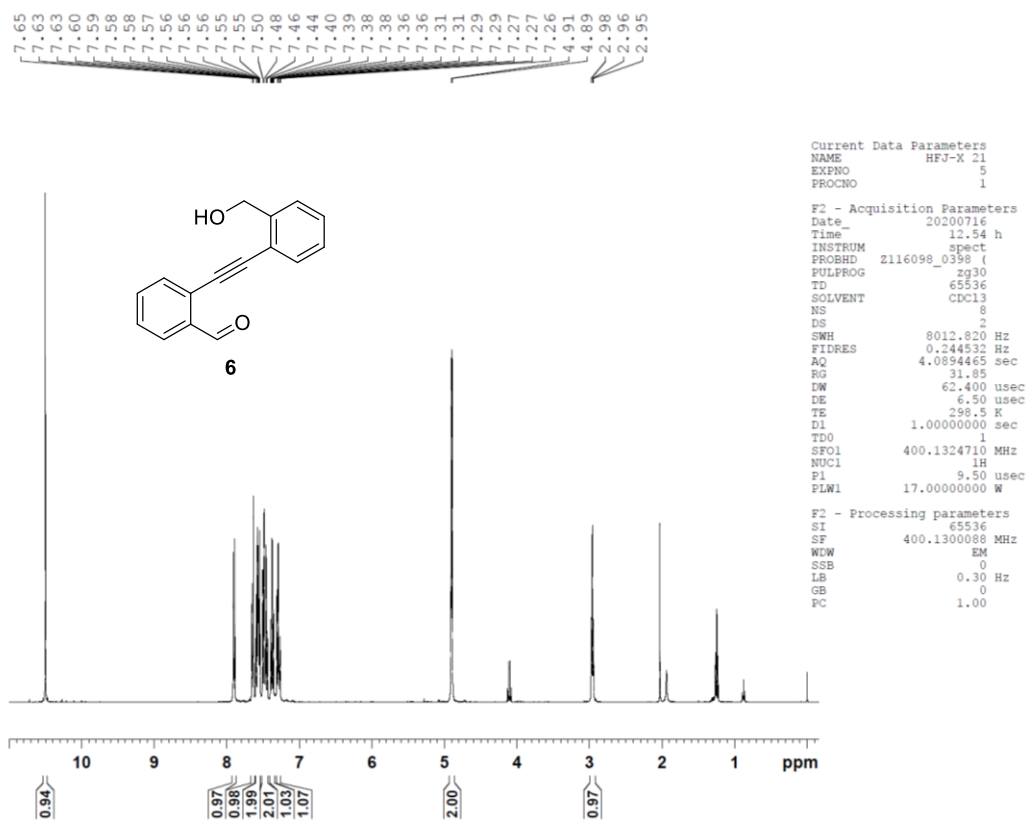
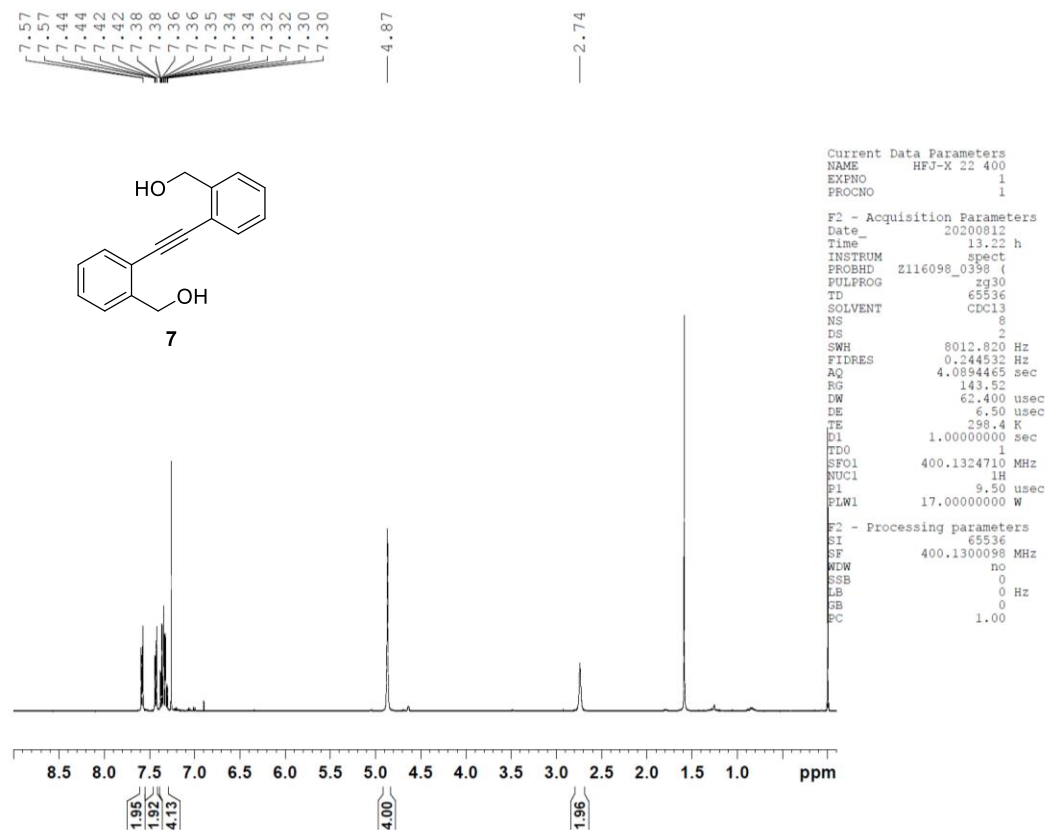
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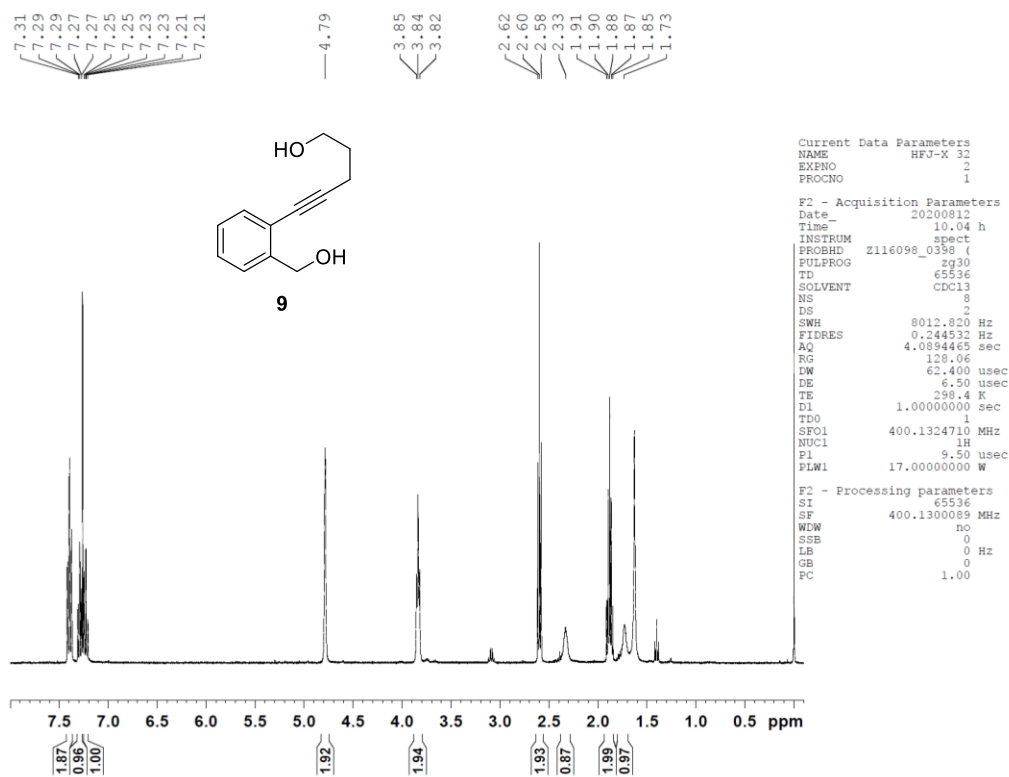
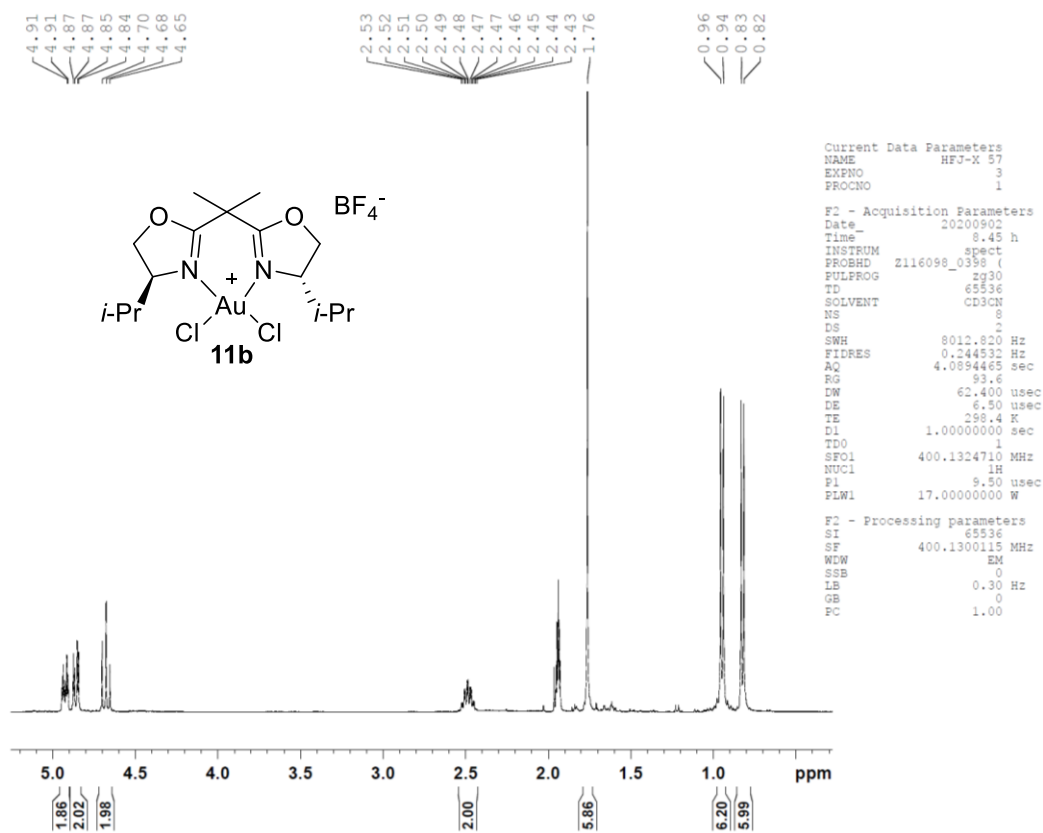
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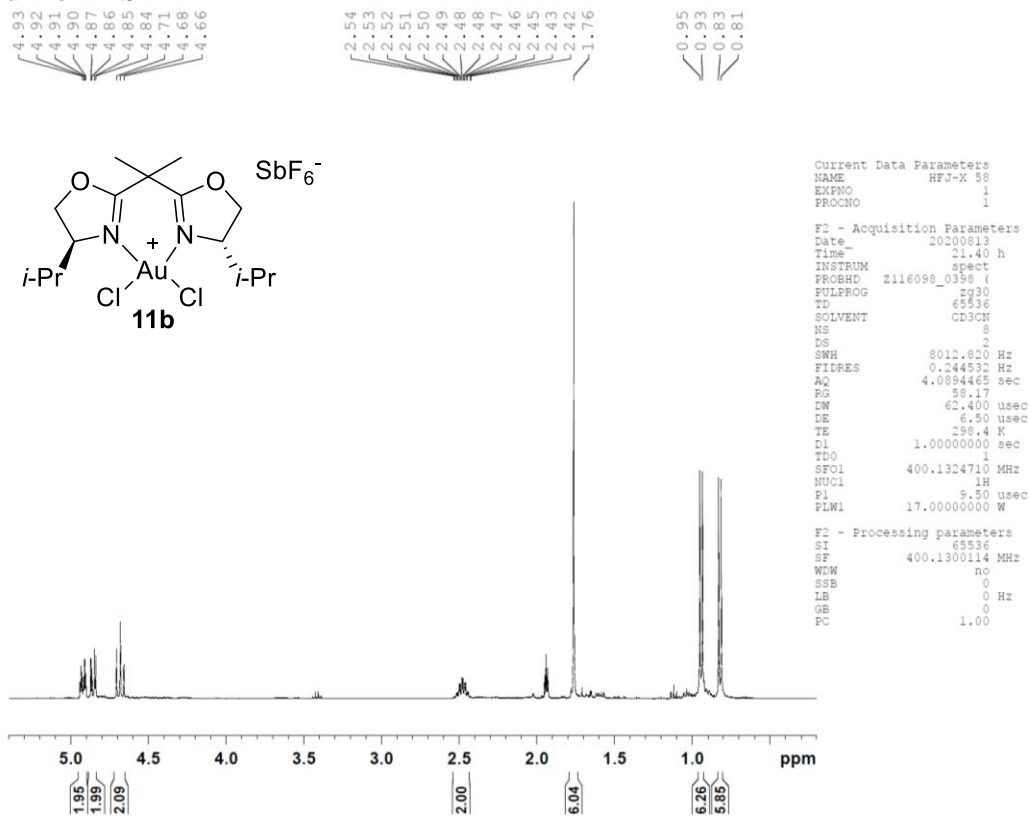
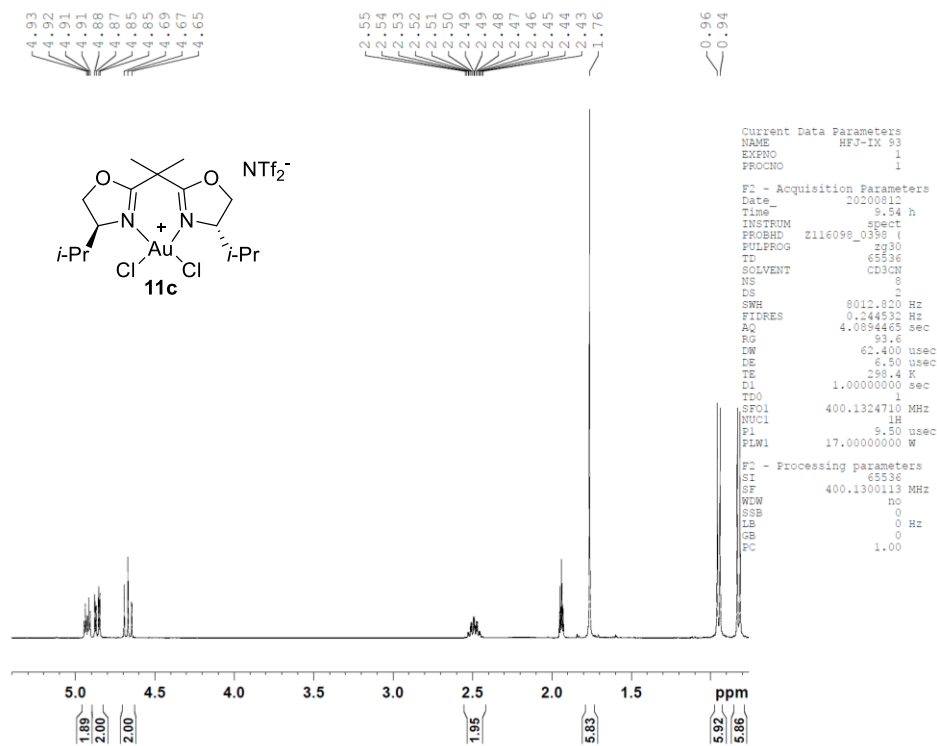
Email: Anne.Fiksdahl@ntnu.no

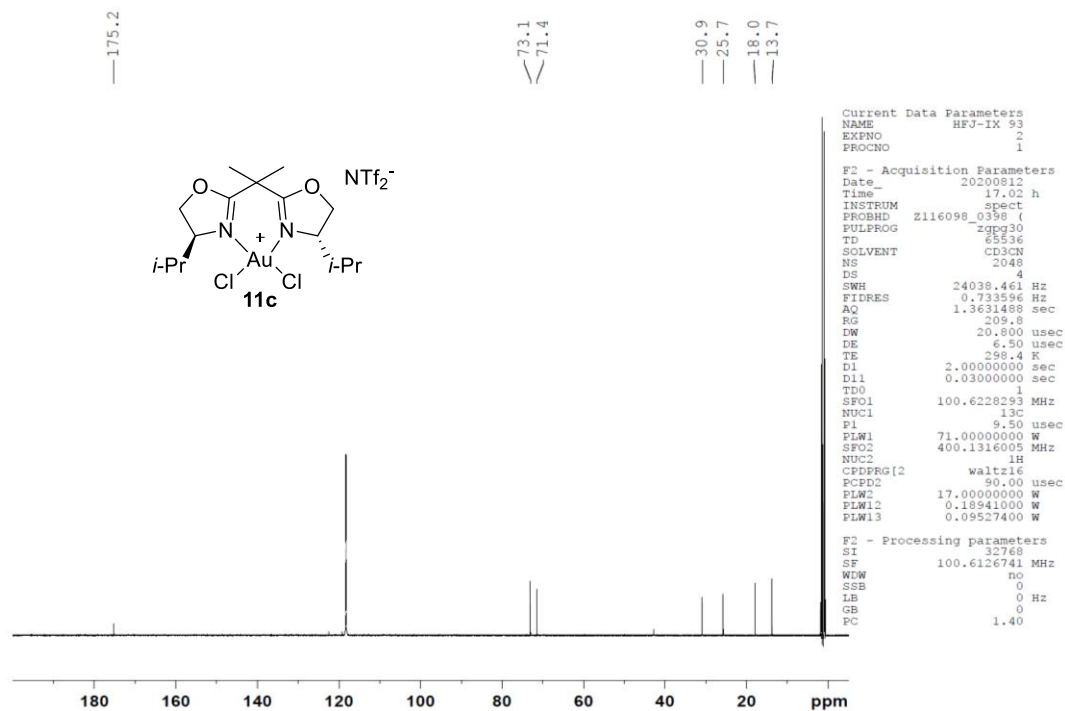
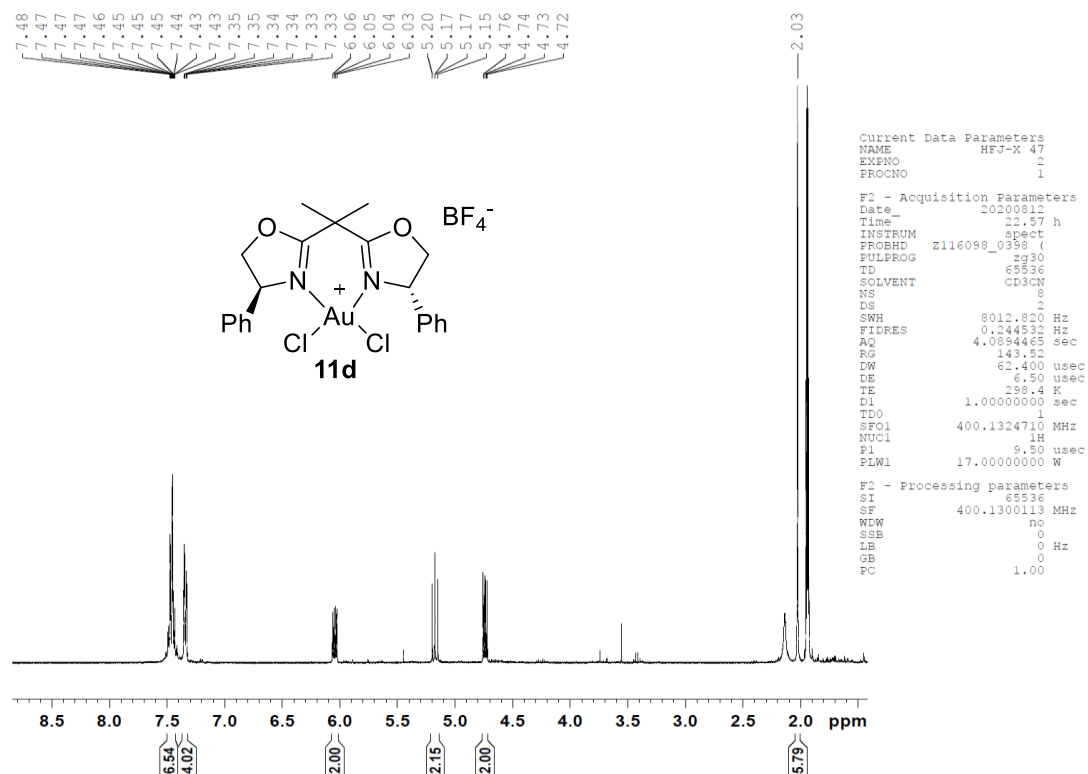
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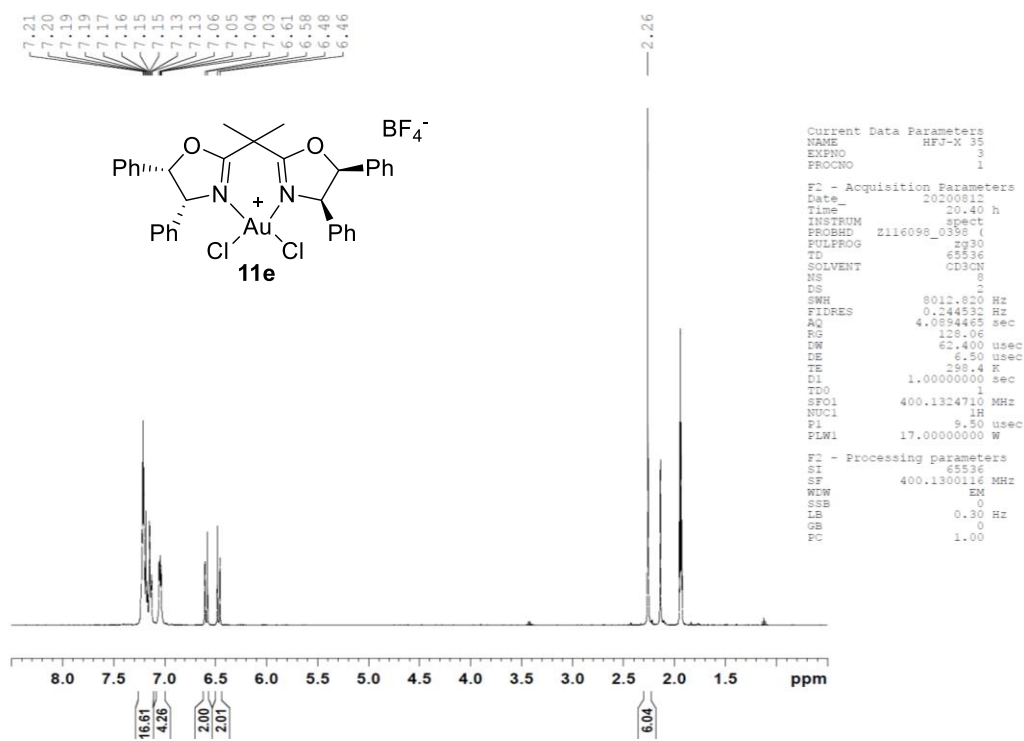
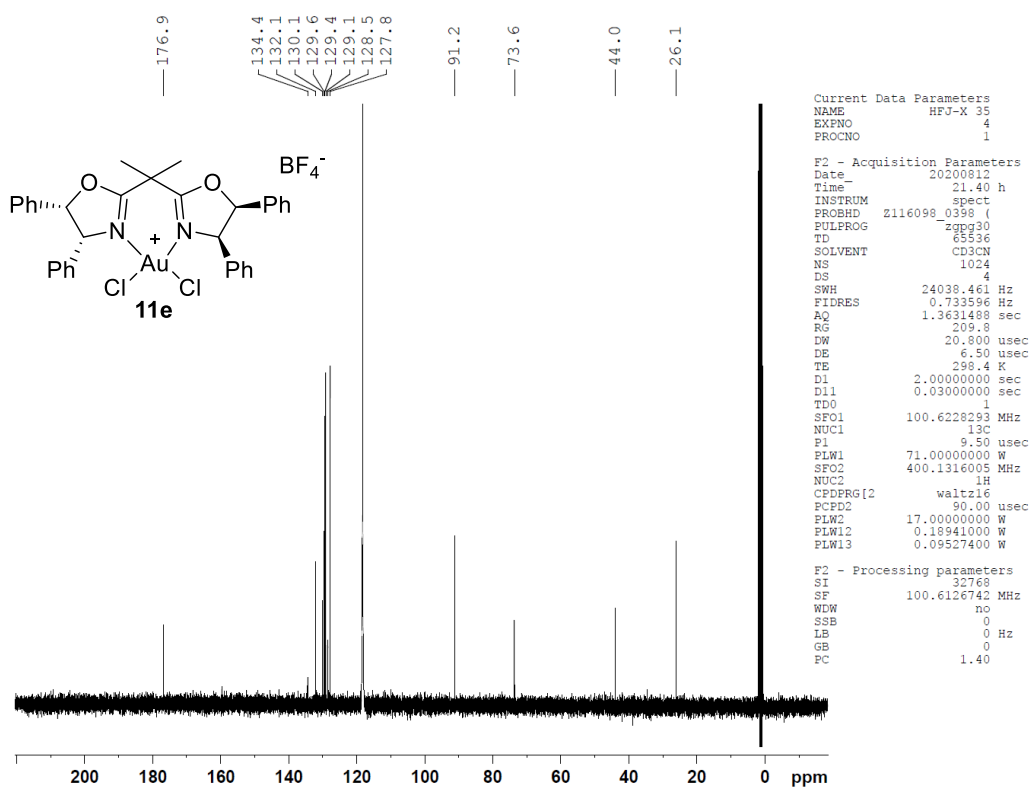
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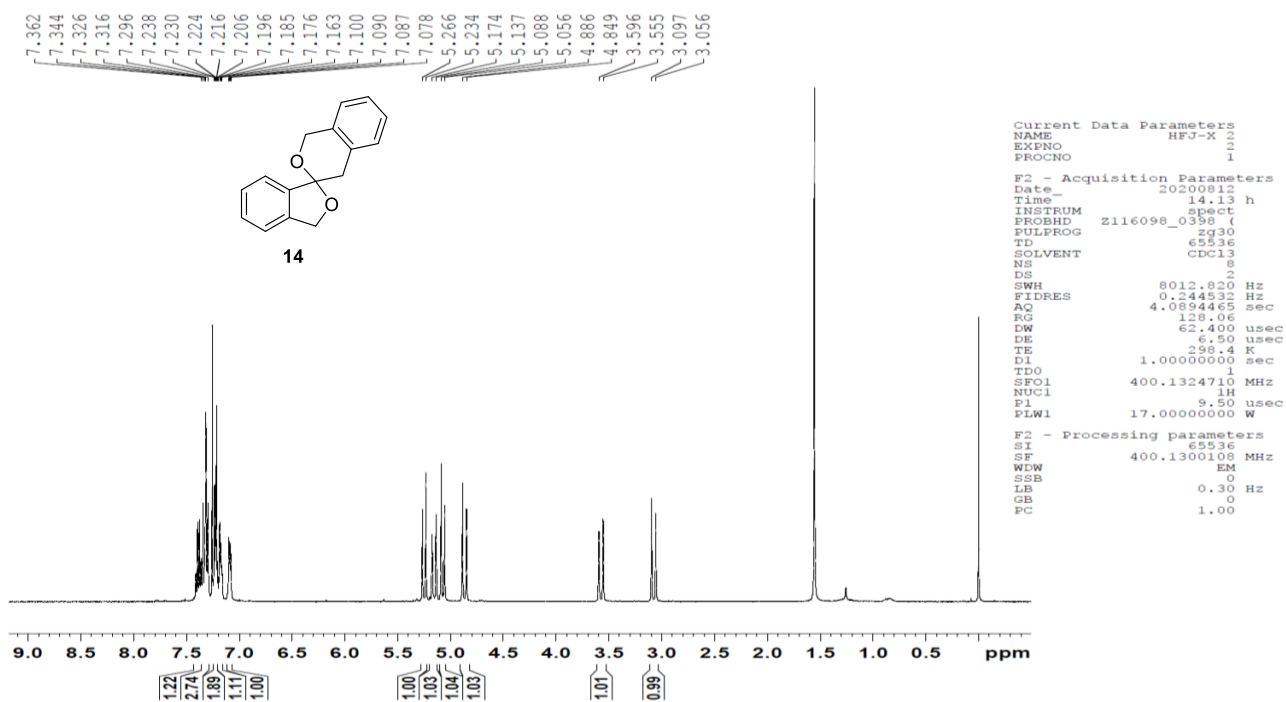
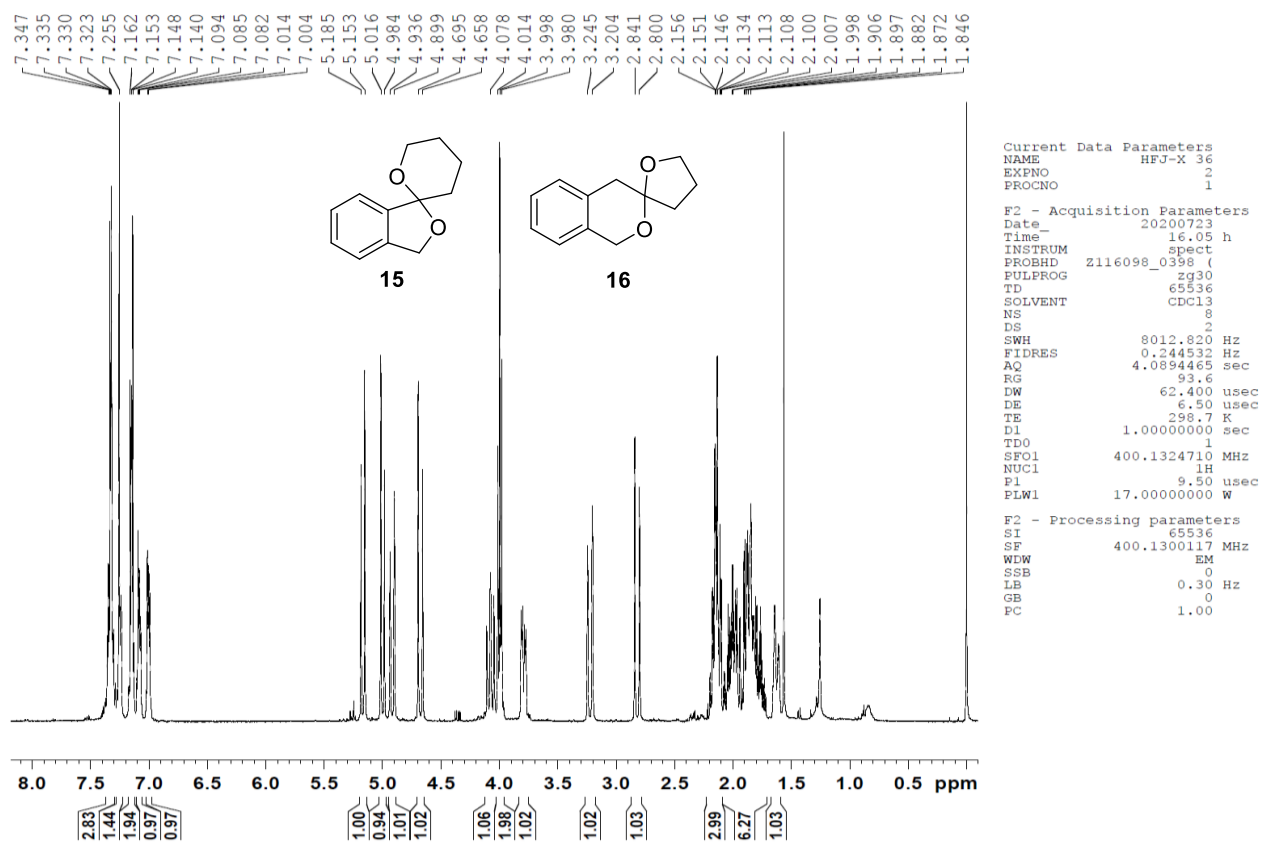
¹H NMR spectrum of **6**¹H NMR spectrum of **7**

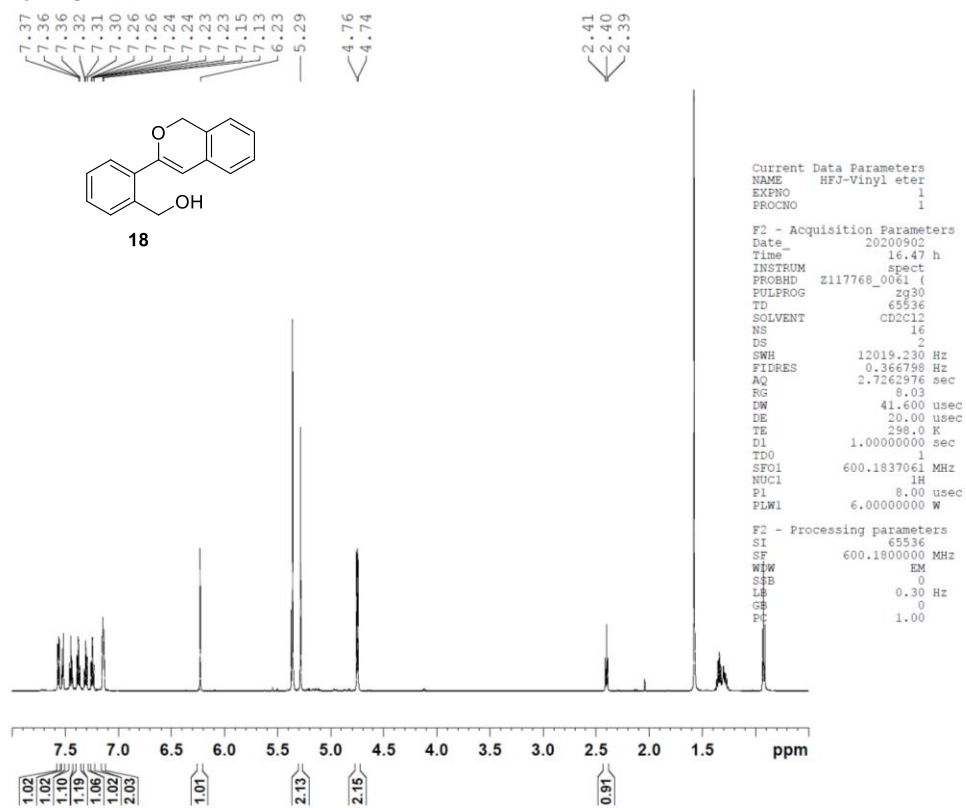
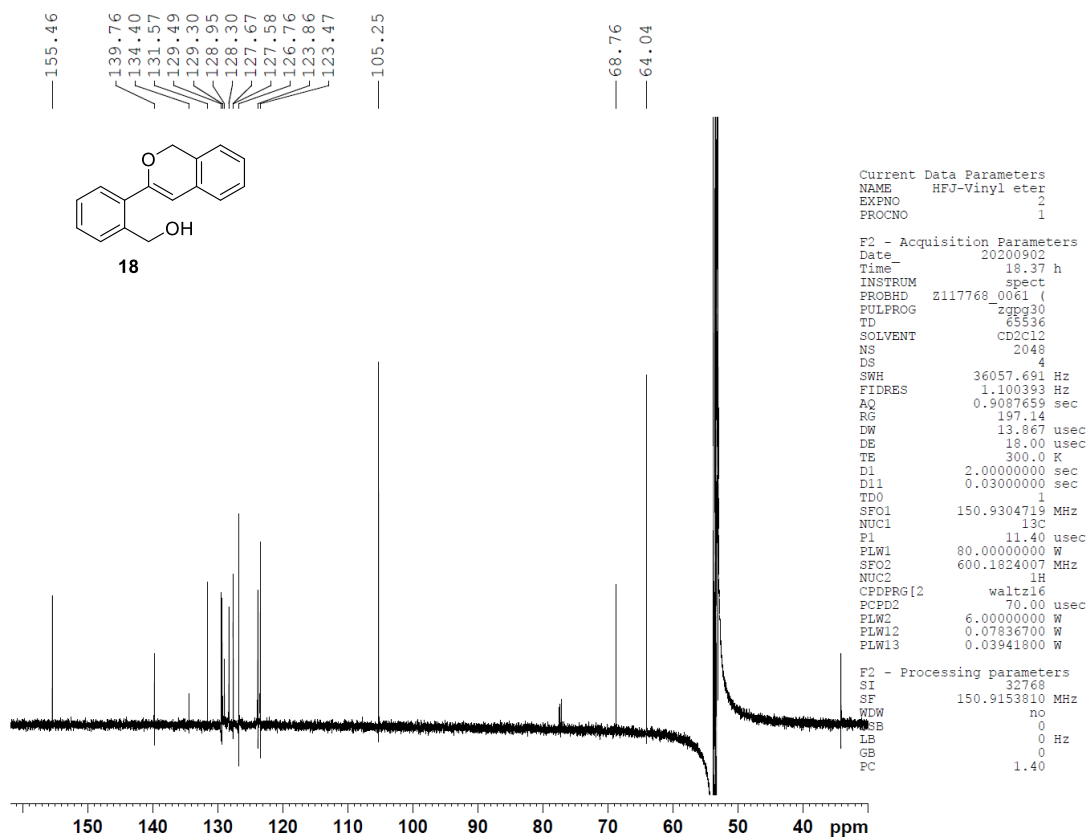
¹H NMR spectrum of **9**¹H NMR spectrum of **11a**

¹H NMR spectrum of **11b**¹H NMR spectrum of **11c**

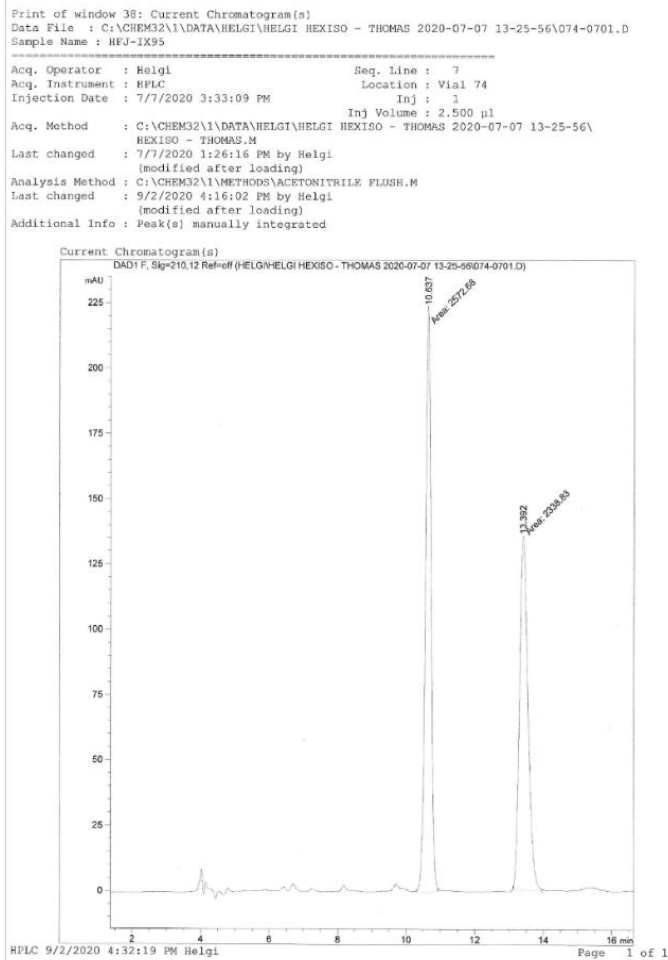
^{13}C NMR spectrum of **11c** ^1H NMR spectrum of **11d**

¹H NMR spectrum of **11e**¹³C NMR spectrum of **11e**

¹H NMR spectrum of **14**¹H NMR spectrum of **15** and **16** (1:1 mixture)

¹H NMR spectrum of **18**¹³C NMR spectrum of **18**

Chiral HPLC chromatogram of **14**



Ret. Time (min)	Height (mAU)	Width	Area (mAU*min)	Rel. Area (%)	Symmetry
10.637	224.6	0.1909	2572.68	52.381%	0.870
13.392	135.1	0.2886	2338.83	47.619%	0.705

