

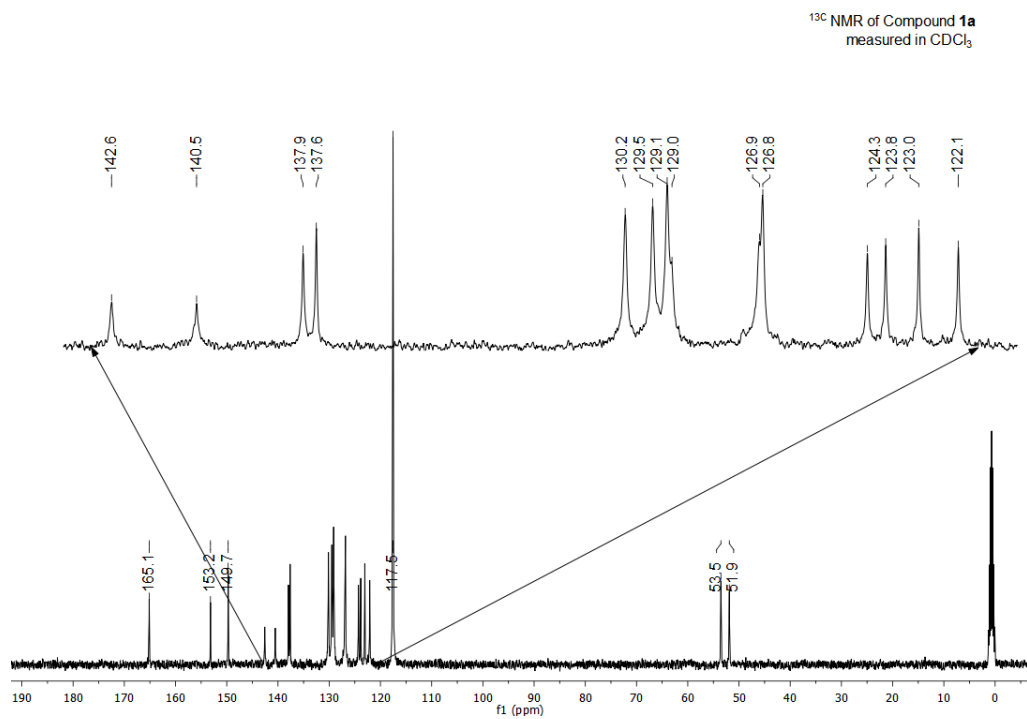
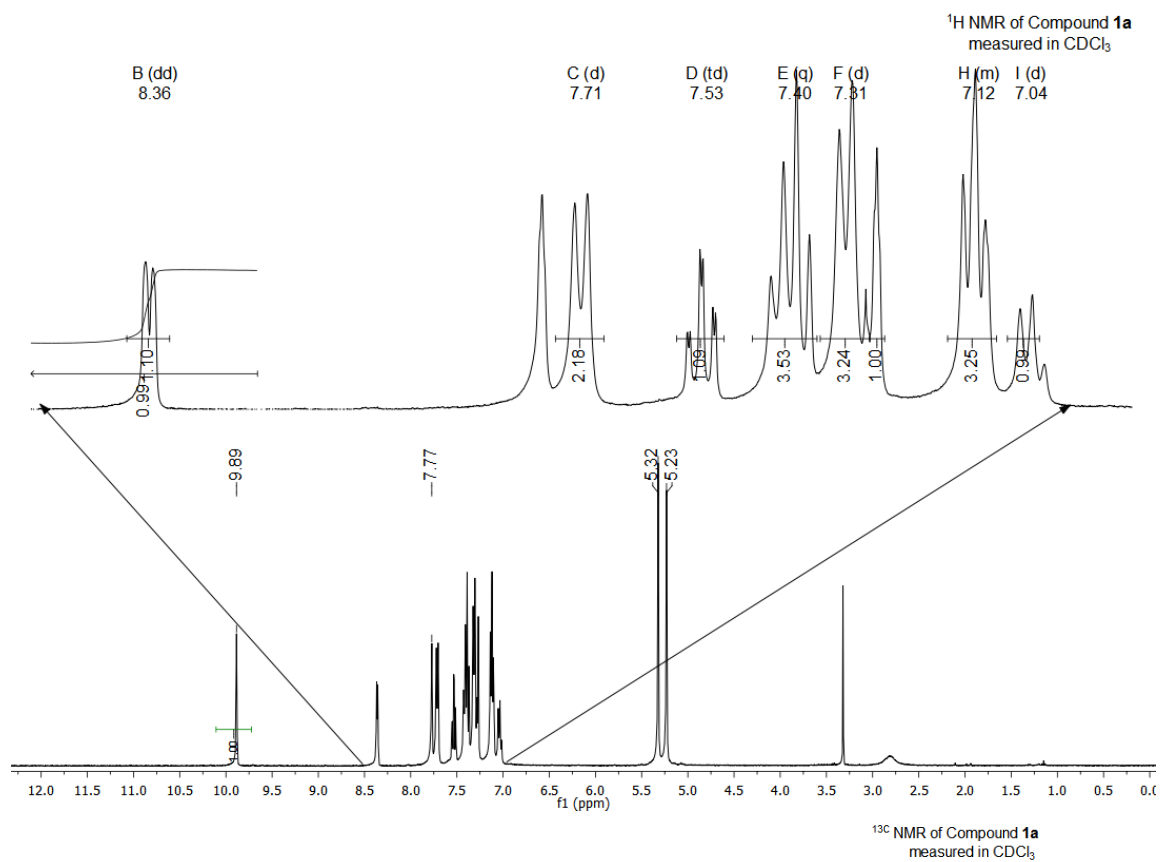
Electronic Supplementary Information (ESI)

Table S1. Structural data and refinement parameters of (4a) and (3b).

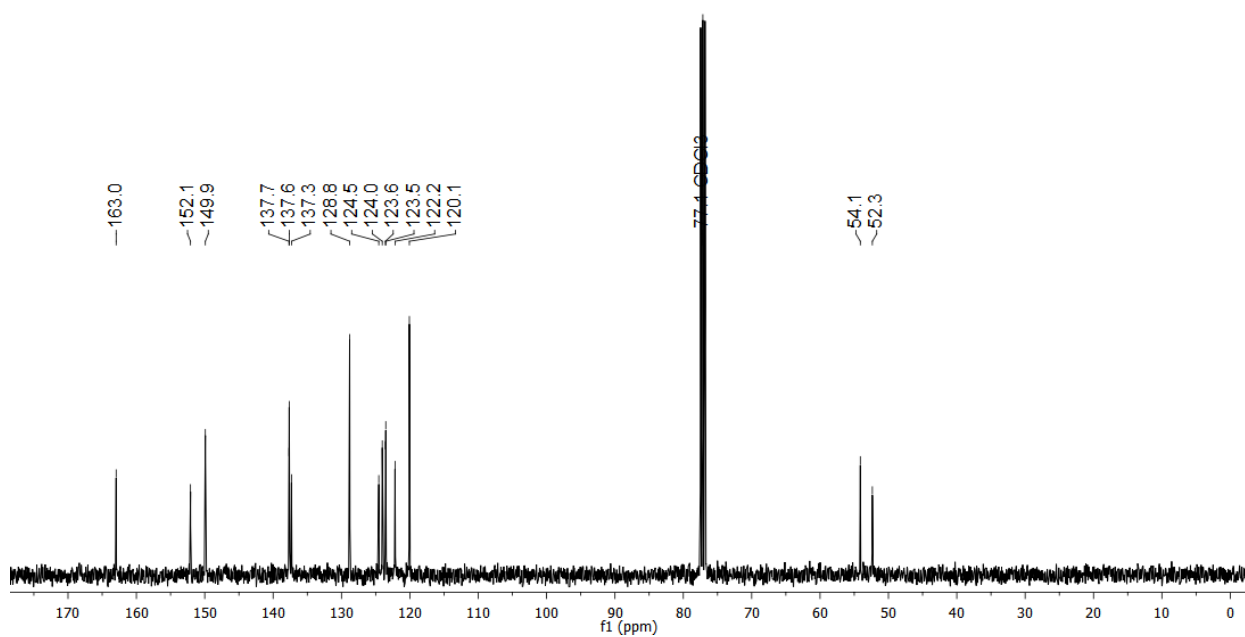
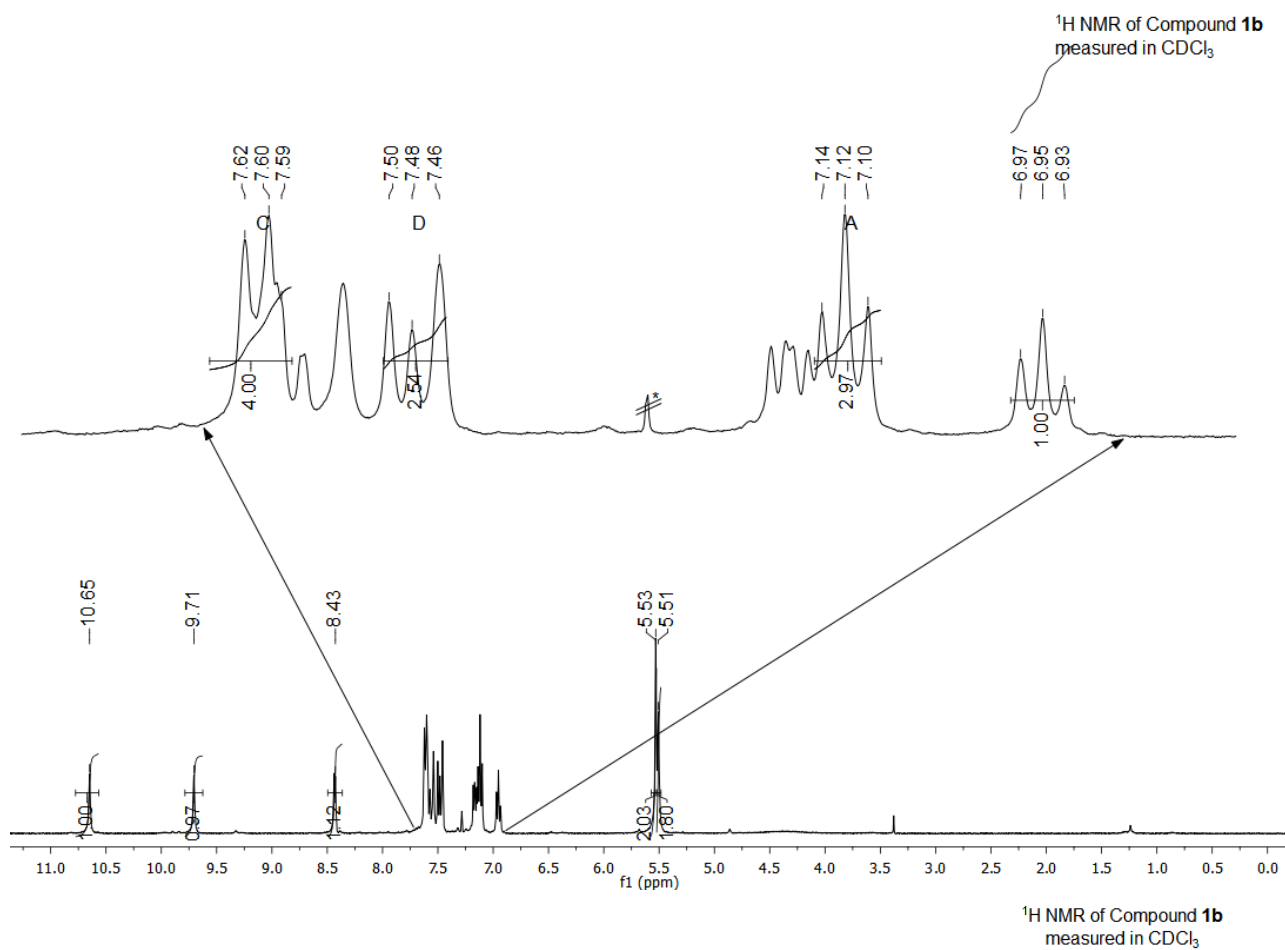
	4a ·(PF ₆) ₂	3b ·(PF ₆) ₂ ·CH ₂ Cl ₂
Formula	C ₄₇ H ₄₄ F ₁₂ N ₇ OP ₃ Ru	C ₄₀ H ₃₉ F ₁₂ N ₆ OP ₃ Ru
Formula weight	1144.87	1112.65
<i>T</i> (K)	223(2)	296(2)
Crystal size [mm]	0.34 × 0.32 × 0.15	0.42 × 0.38 × 0.31
Crystal system	Triclinic	Orthorhombic
Space group, (<i>Z</i>)	P-1, (2)	P2(1)2(1)2(1), (4)
<i>a</i> (Å)	12.1842(6)	11.6726(7)
<i>b</i> (Å)	13.2317(8)	18.6442(11)
<i>c</i> (Å)	16.7148(8)	21.5813(13)
<i>α</i> (°)	84.6250(10)	90.00
<i>β</i> (°)	76.0910(10)	90.00
<i>γ</i> (°)	71.8680(10)	90.00
<i>V</i> (Å ³)	2485.3(2)	4696.7(5)
<i>λ</i> (Å)	0.71073	0.71073
Dcalc (mg/m ³)	1.530	1.574
Abs coeff (mm ⁻¹)	0.501	0.637
<i>θ</i> min, max	1.26, 26.50	1.44, 25.04
Reflections number, total/unique	18346/ 10220 [<i>R</i> _{int} =0.0252]	13978 / 8260 [<i>R</i> _{int} = 0.0367]
Refinement method	Full-matrix least-squares on <i>F</i> ²	Full-matrix least-squares on <i>F</i> ²
Data / restraints / parameters	10220 / 0 / 643	8260 / 0 / 586
Goodness-of-fit on <i>F</i> ²	1.056	1.031
Final <i>R</i> [<i>I</i> > 2σ(<i>I</i>)]	<i>R</i> ₁ = 0.0491, <i>wR</i> ² = 0.1378	<i>R</i> ₁ = 0.0519, <i>wR</i> ² = 0.1251
<i>R</i> indices (all data)	<i>R</i> ₁ = 0.0603, <i>wR</i> ² = 0.1493	<i>R</i> ₁ = 0.0818, <i>wR</i> ² = 0.1444
Largest diff. peak and hole (e.Å ⁻³)	1.238 and -0.723	0.742 and -0.512

NMR Spectra of compounds reported

Compound 1a.

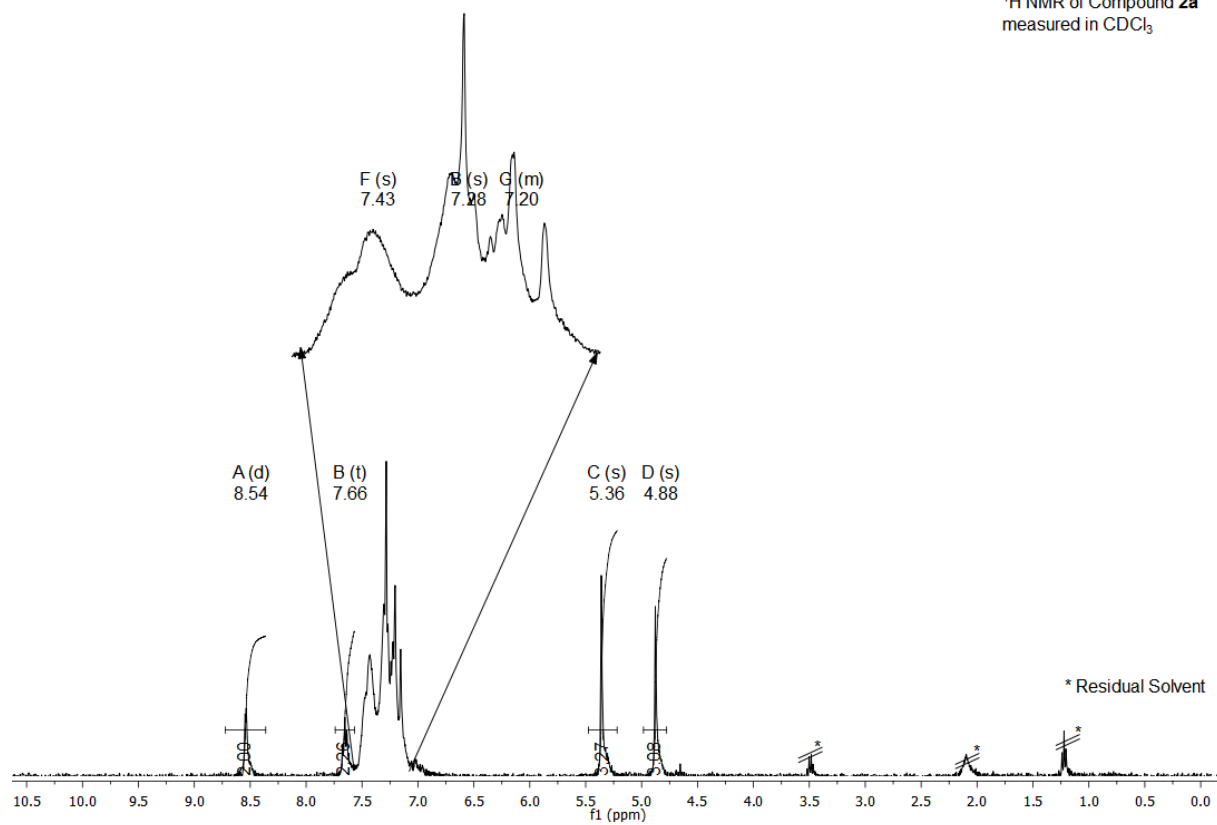


Compound 1b.

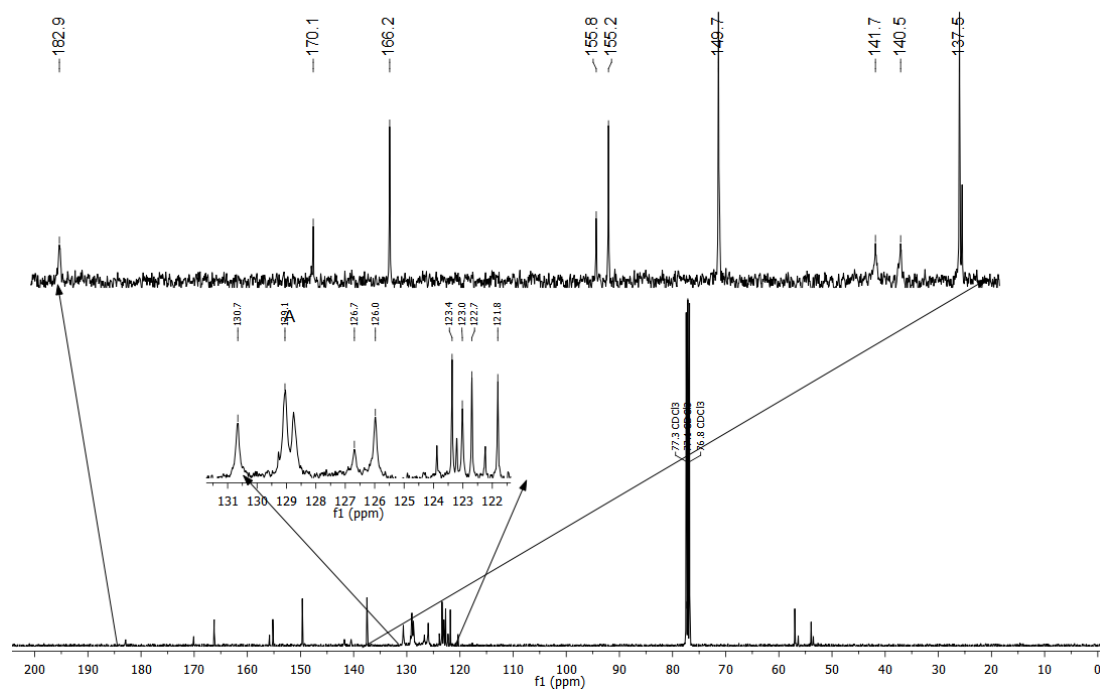


Compound 2a.

¹H NMR of Compound **2a**
measured in CDCl₃



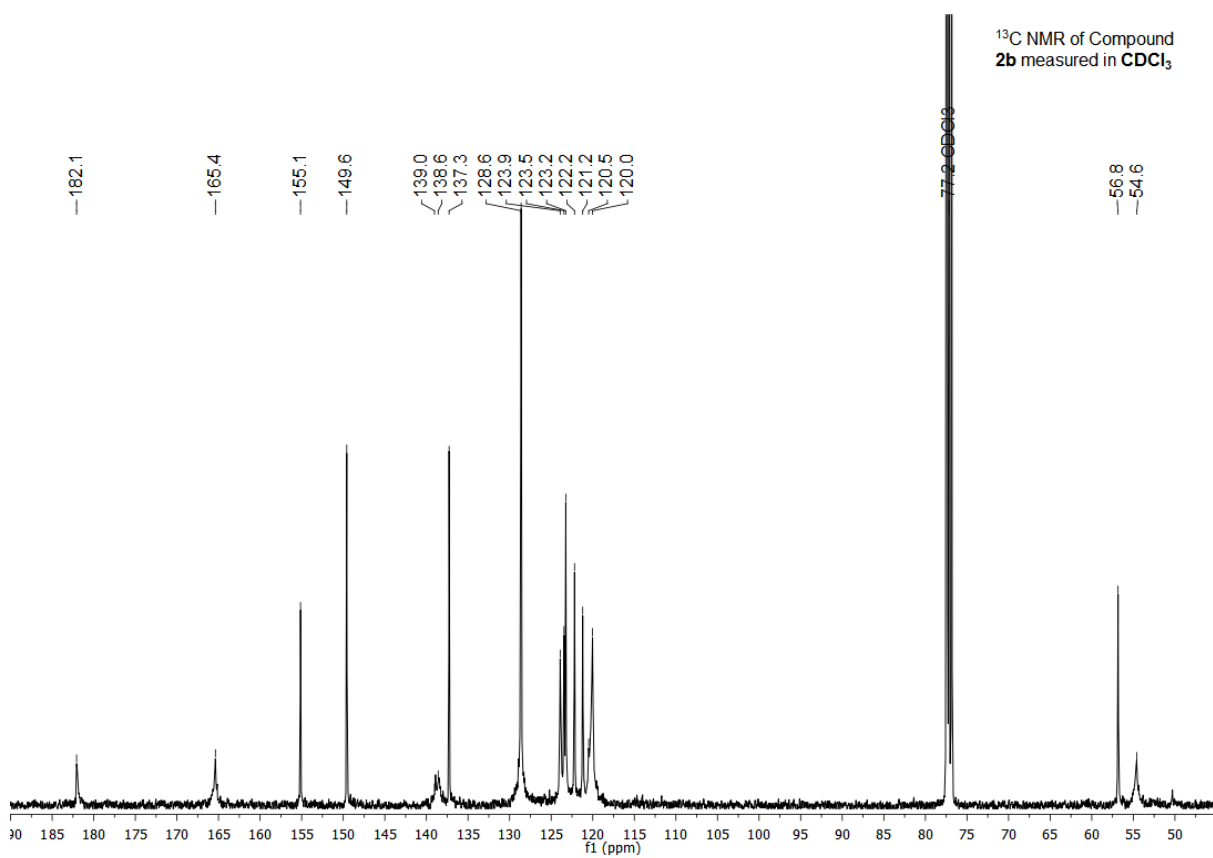
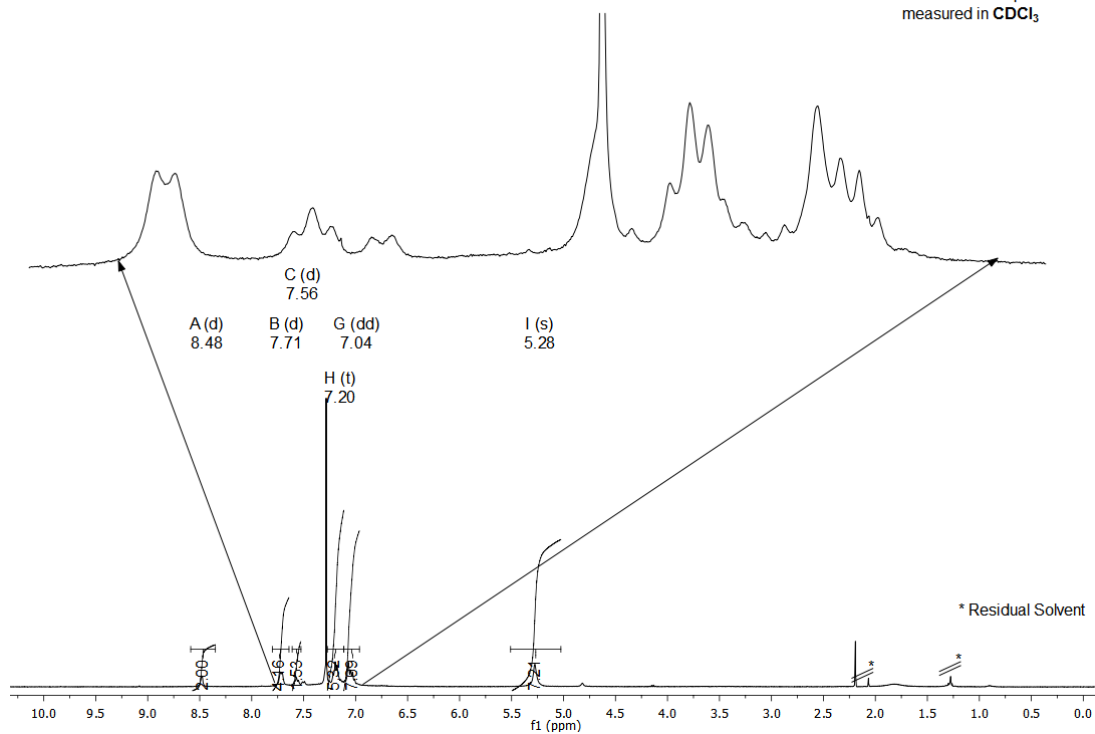
¹³C NMR of Compound **2a**
measured in CDCl₃



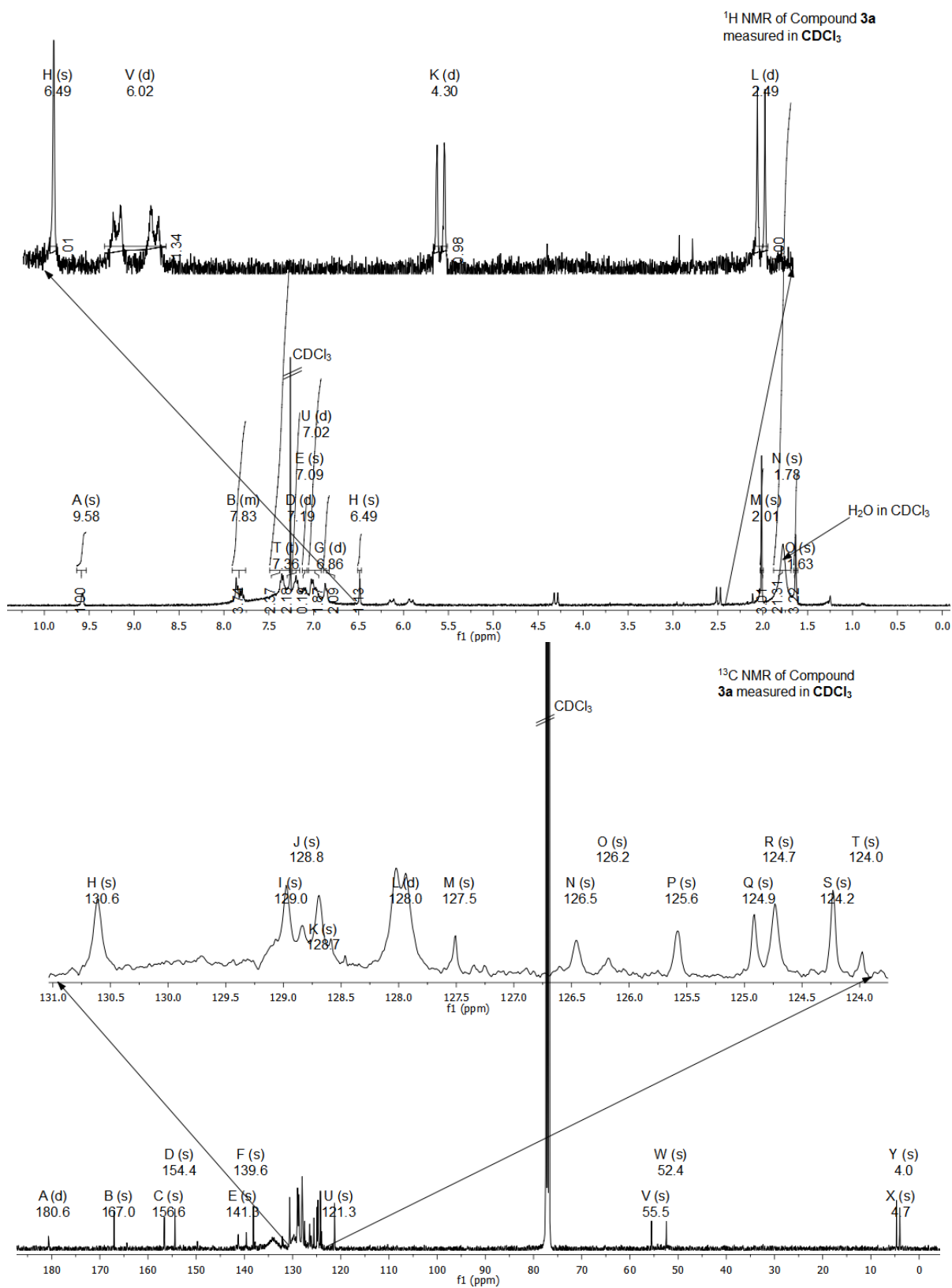
Compound 2b.

sarah.1134.1.1r
1H

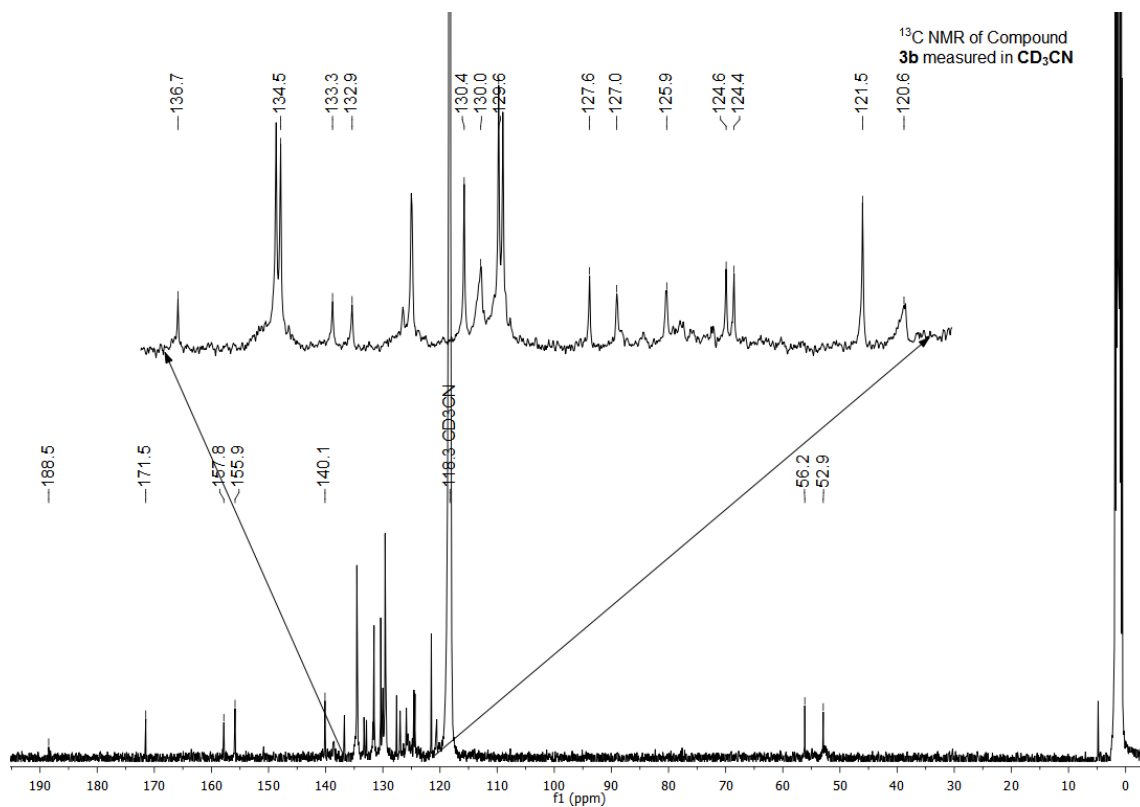
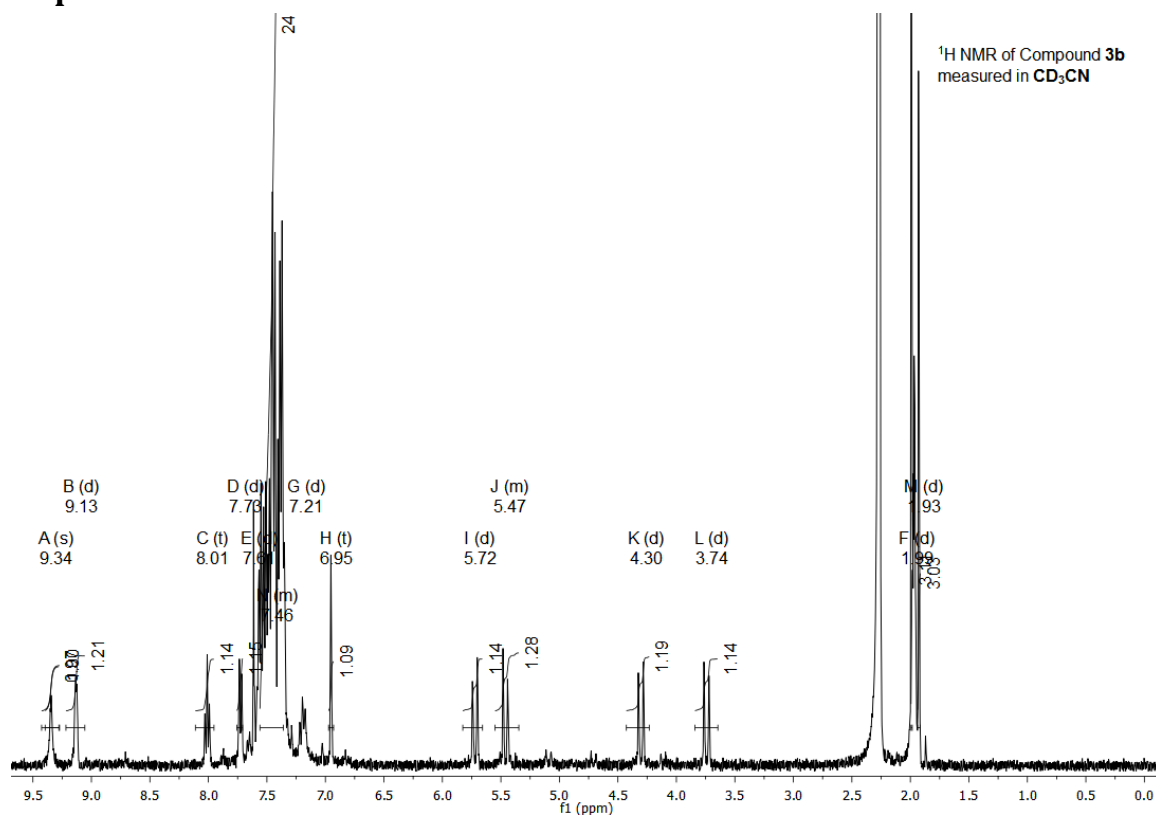
¹H NMR of Compound 2b
measured in CDCl₃

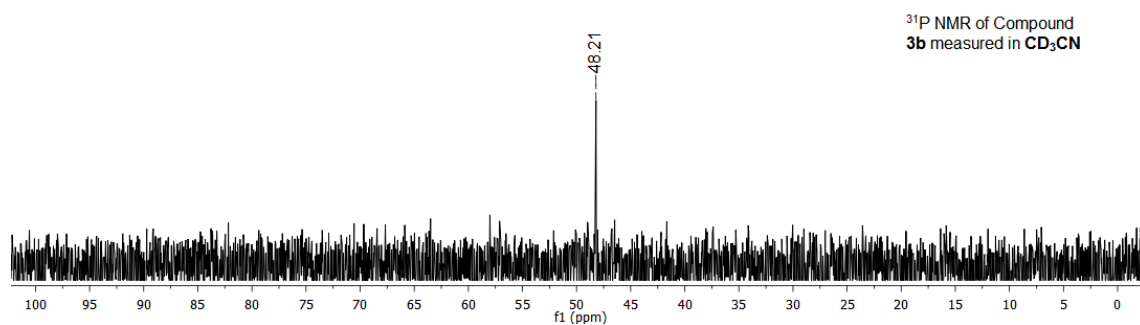


Compound 3a.



Compound 3b.





Compound 4a.

