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5-(2-pyridil)-1H-tetrazole complexes with Mo(IV) and W(IV) cyanides.

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Electronic Supplementary Information

Table S1 Bond lengths (Å) and angles (º) in **1** and **2**.

1		**2**	
Bond lengths (Å)		**Bond lengths (Å)**	
Mo(1A)-O(1A)	1.698(14)	W(1A)-O1	1.717(3)
Mo(1A)-N4	2.455(8)	W(1A)-N4	2.288(4)
Mo(1A)-N8	2.096(7)	W(1A)-N8	2.182(4)
Mo(1A)-C1	2.209(6)	W(1A)-C1	2.162(4)
Mo(1A)-C(2A)	2.165(12)	W(1A)-C2	2.146(4)
Mo(1A)-C3	2.205(5)	W(1A)-C3	2.162(4)
N1-C1	1.141(7)	N1-C1	1.147(5)
N(2A)-C(2A)	1.112(14)	N2-C2	1.140(5)
N3-C3	1.134(7)	N3-C3	1.145(5)
N4-N5	1.361(10)	N4-N5	1.364(5)
N4-C4	1.358(9)	N4-C4	1.339(5)
N5-N6	1.308(8)	N5-N6	1.329(5)
N6-N7	1.377(10)	N6-N7	1.373(6)
N7-C4	1.332(10)	N7-C4	1.328(6)
N8-C5	1.345(11)	N8-C5	1.363(6)
N8-C9	1.443(13)	N8-C9	1.371(6)
C4-C5	1.439(12)	C4-C5	1.457(7)

C5-C6	1.388(11)	C5-C6	1.387(6)
C6-C7	1.455(16)	C6-C7	1.387(7)
C7-C8	1.359(16)	C7-C8	1.379(8)
C8-C9	1.370(13)	C8-C9	1.370(7)
Angles (°)		**Angles (°)**	
N4-Mo(1A)-O(1A)	165.5(4)	N4-W(1A)-O1	163.42(14)
N4-Mo(1A)-N8	70.9(3)	N4-W(1A)-N8	71.77(14)
N4-Mo(1A)-C1	76.7(2)	N4-W(1A)-C1	79.76(13)
N4-Mo(1A)-C(2A)	90.0(4)	N4-W(1A)-C2	92.54(15)
N4-Mo(1A)-C3	77.1(2)	N4-W(1A)-C3	78.17(13)
N8-Mo(1A)-O(1A)	94.7(5)	N8-W(1A)-O1	91.79(15)
N8-Mo(1A)-C1	96.0(2)	N8-W(1A)-C1	89.56(13)
N8-Mo(1A)-C(2A)	160.7(4)	N8-W(1A)-C2	164.06(16)
N8-Mo(1A)-C3	89.6(2)	N8-W(1A)-C3	95.81(13)

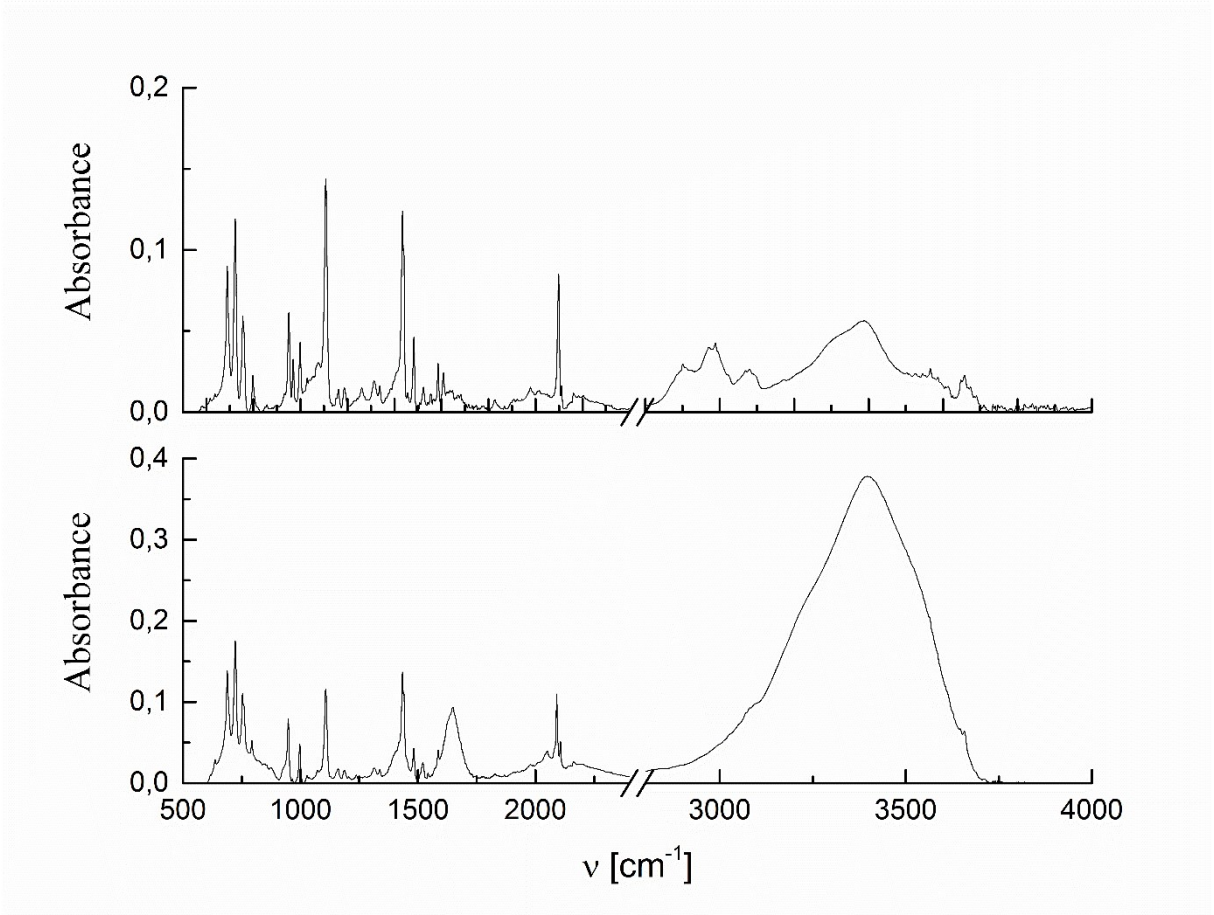

Fig. S1 IR spectrum of **1** (top) and **2** (bottom).

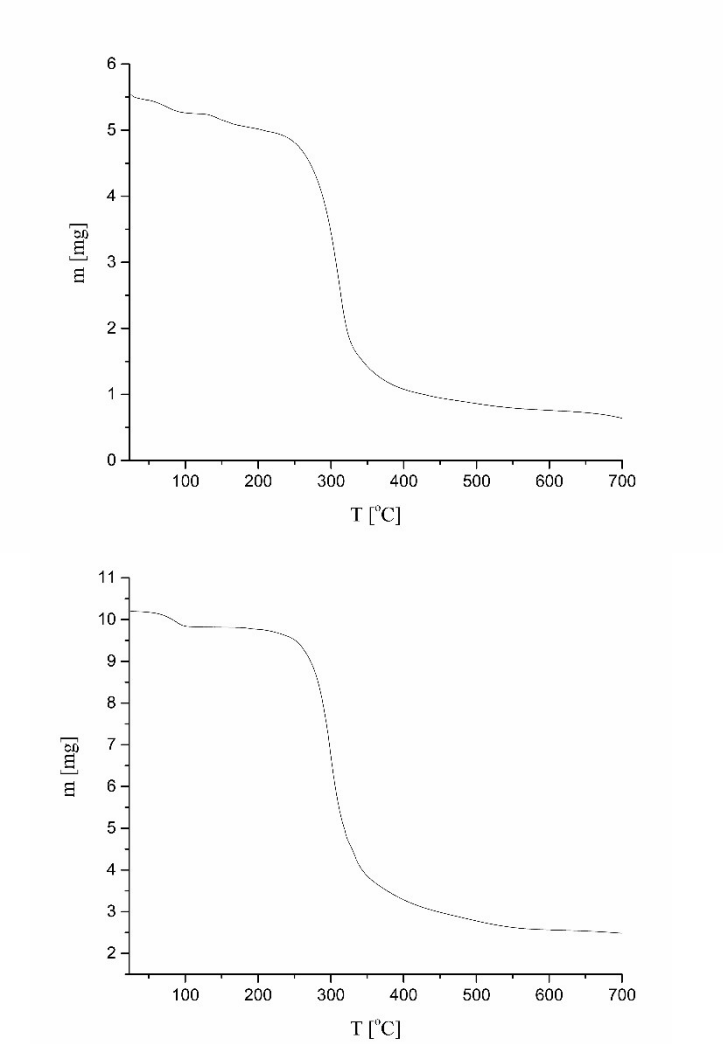

Fig. S2 Thermograms of **1** (top) and **2** (bottom).