Electronic Supplementary Material (ESI) for RSC Advances. This journal is © The Royal Society of Chemistry 2020



Figure S1. ¹H spectrum of Th4CN.





Figure S2. ¹³C spectrum of Th4CN.



Figure S3. ¹H spectrum of Py4CN.



Py4CN

				111.4791	
ue hydellwhan nandenie hang handle gener hannan henner henne han an de andere af de henner af de henner af de h	Norder the state of the state o	Manager - Annal Construction of the providence o	yyddynomiadaaafi babaa afferdaind y'r rhann inghan friffibra	un allen der eine der	nyokusanhalusahas
150	140	130	120	110	[ppm]

Figure S4. ¹³C spectrum of Py4CN.



Figure S5. ¹H spectrum of 3Be4CN.



		- 125,4944	
140	130	เป็นอาหากการแห่งไปสมพุทธศาสตร์ เหตุสายสายสายสาย 120	

Figure S6. ¹³C spectrum of 3Be4CN.



Figure S7. Optimized structures for 4 compounds.



Figure S8. Localization of HOMO and LUMO orbit for 4 compounds.