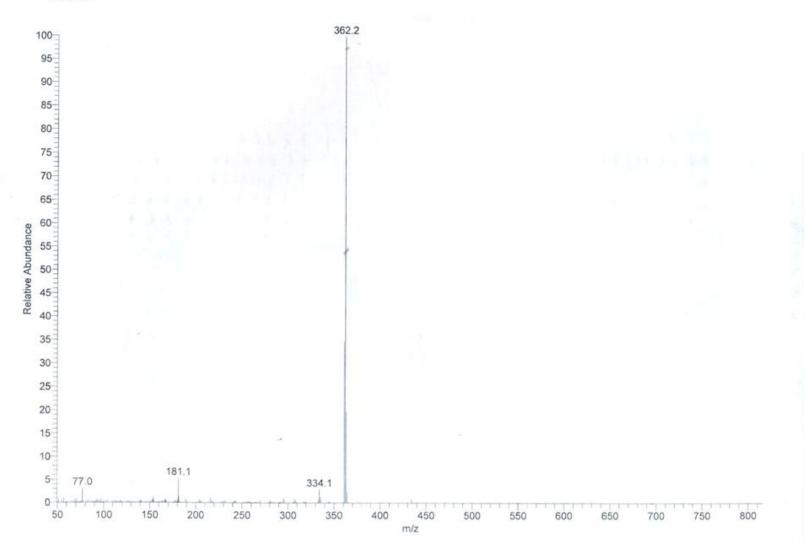
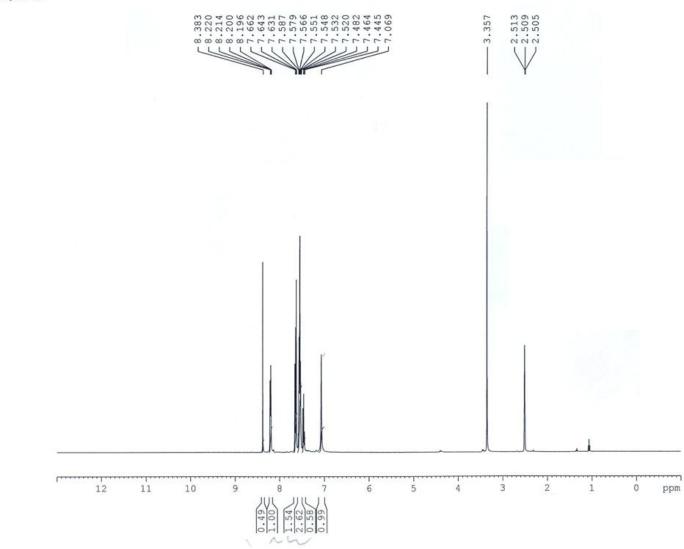
## (Supplementary material)

Multi component reactions under increased pressure: On the mechanism of formation of pyridazino[5,4,3-de][1,6]naphthyridine derivatives from reaction of malononitrile, aldehyde and 2-oxoglyoxalarylhydrazones in Q-tubes

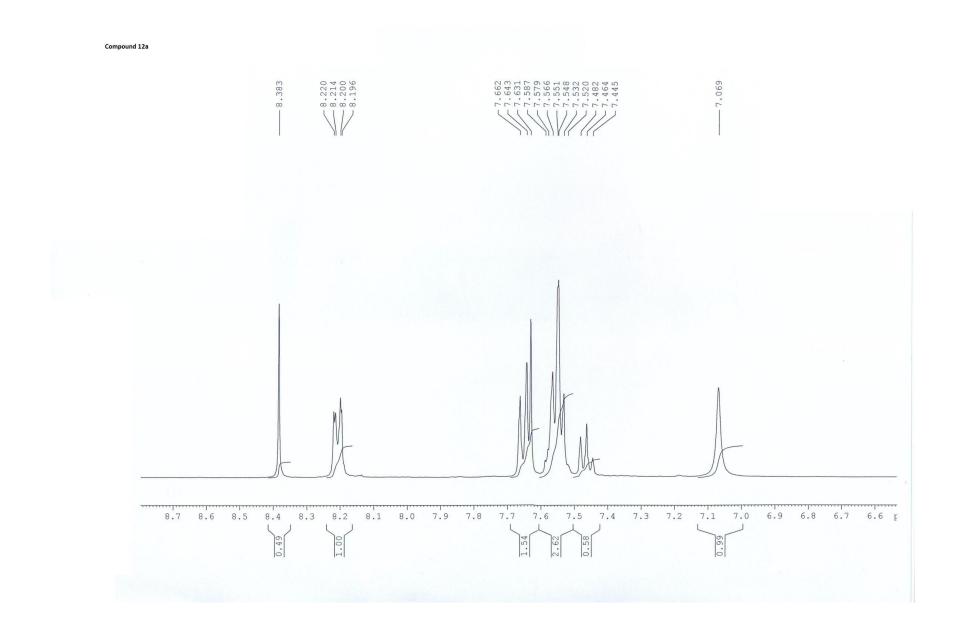
Majdah A. AL-Johani<sup>1</sup>, Khadijah M. Al-Zaydi<sup>1,\*</sup>, Sameera M. Mousally<sup>1</sup>, Norah F. Alqahtani<sup>1</sup>, Noha Hilmy Elnagdi<sup>2</sup>, Mohamed H. Elnagdi<sup>3</sup>

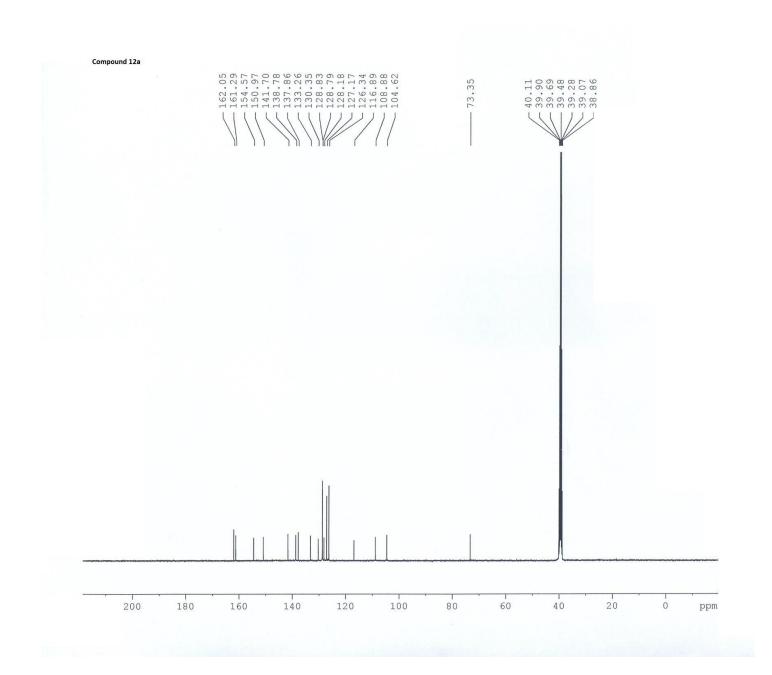


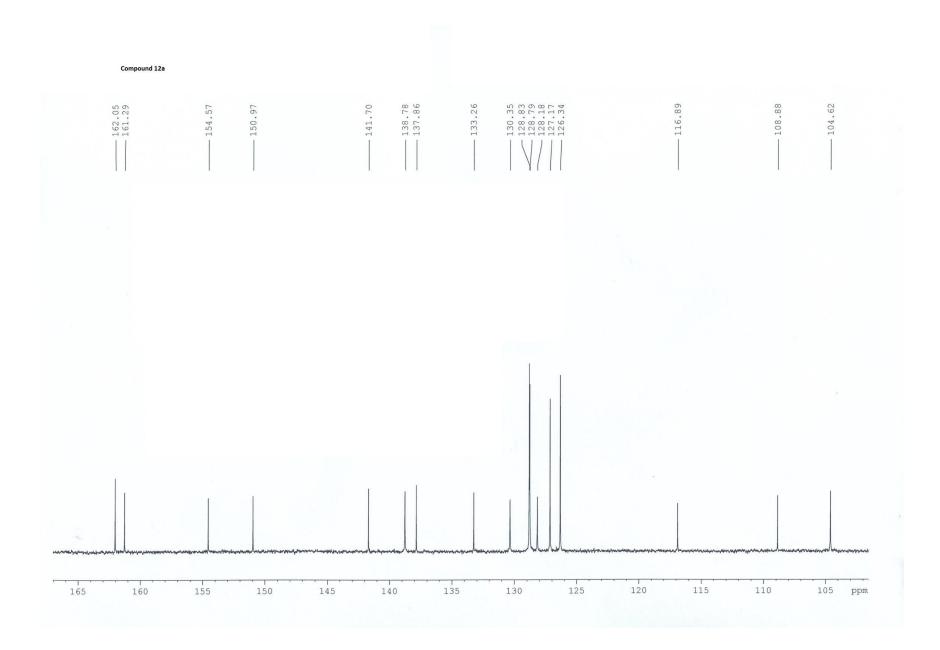
Compound 12a

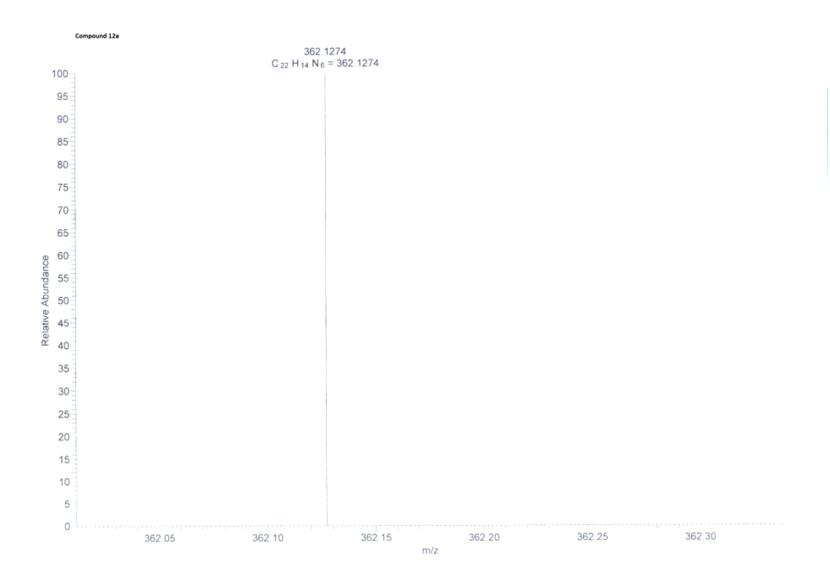


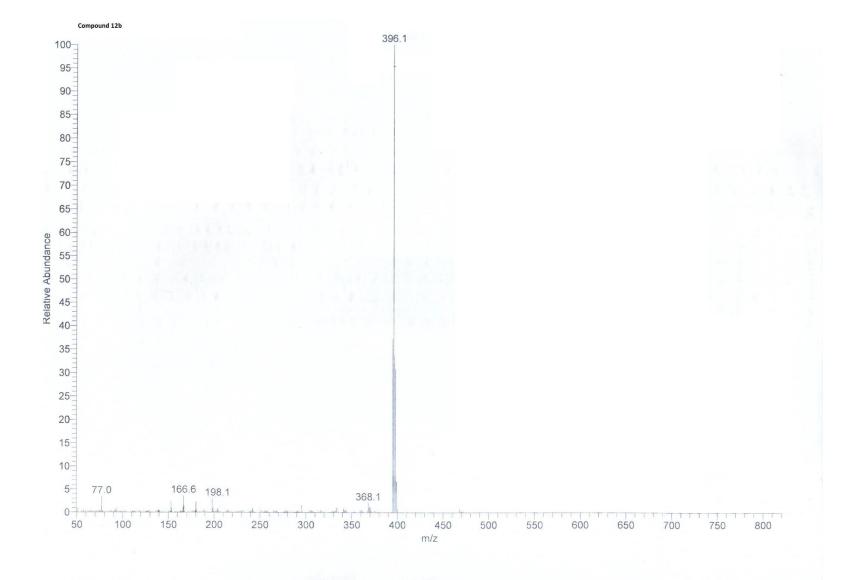
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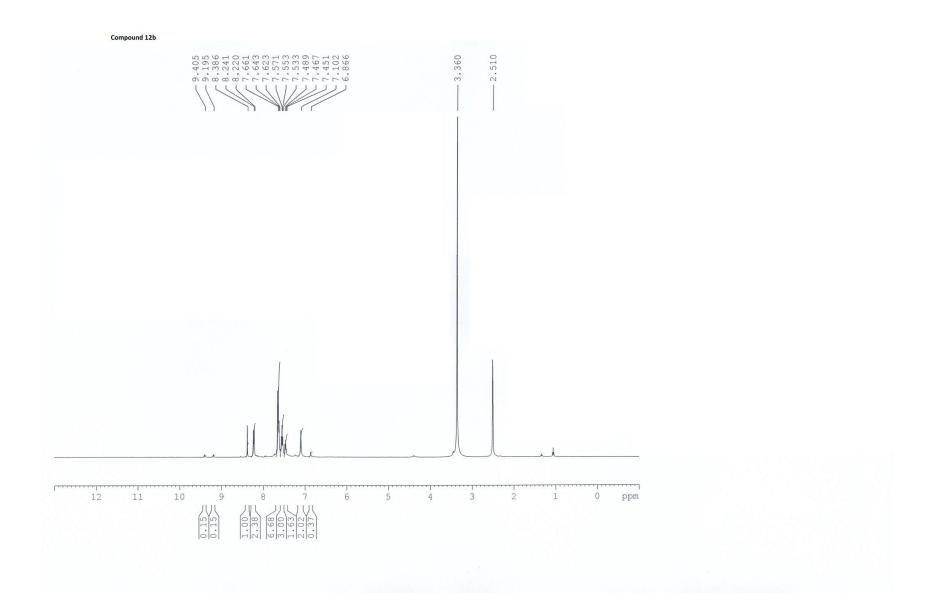


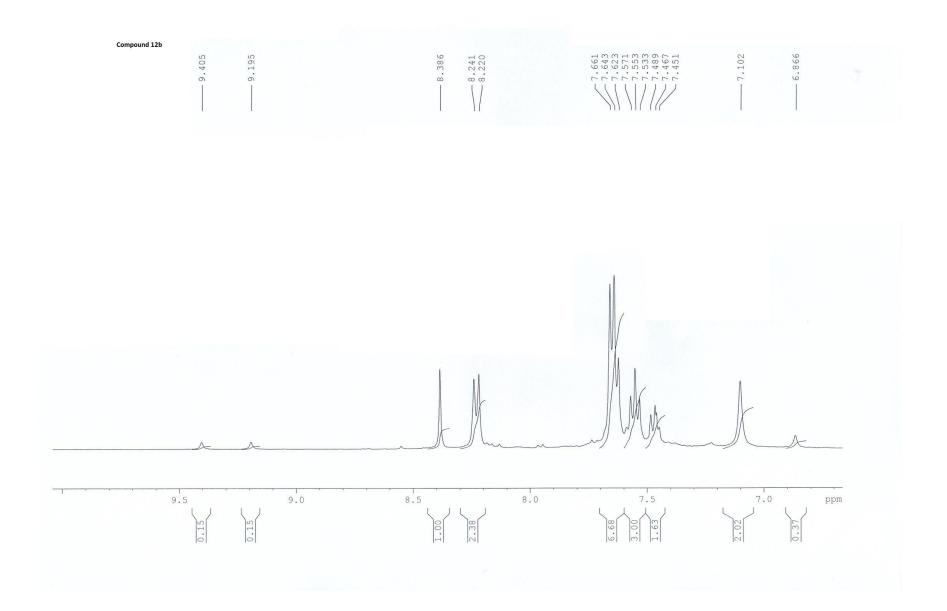


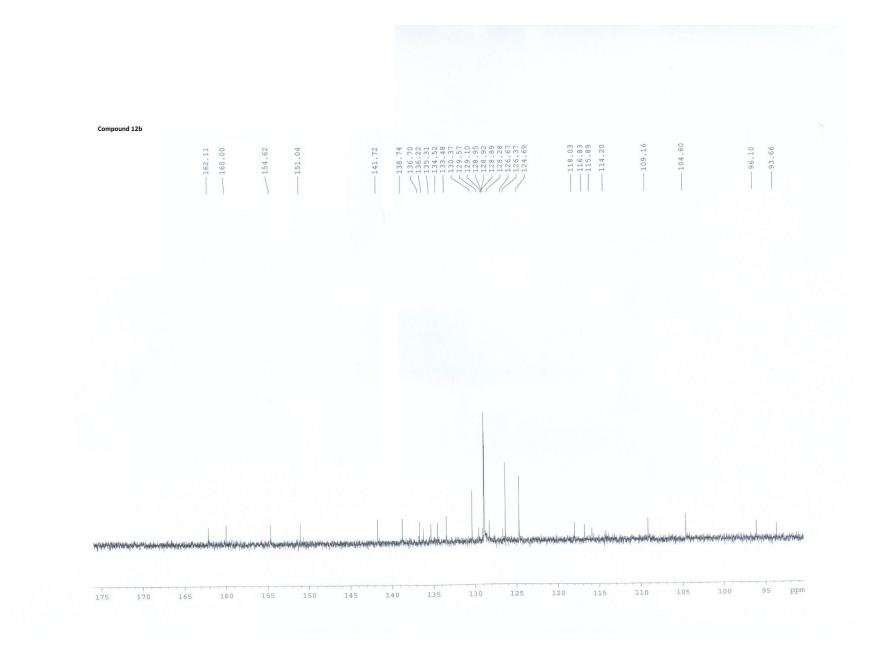




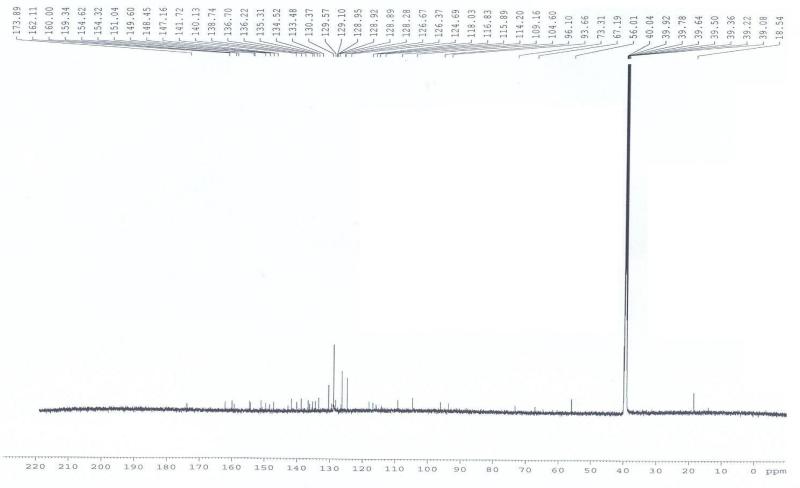


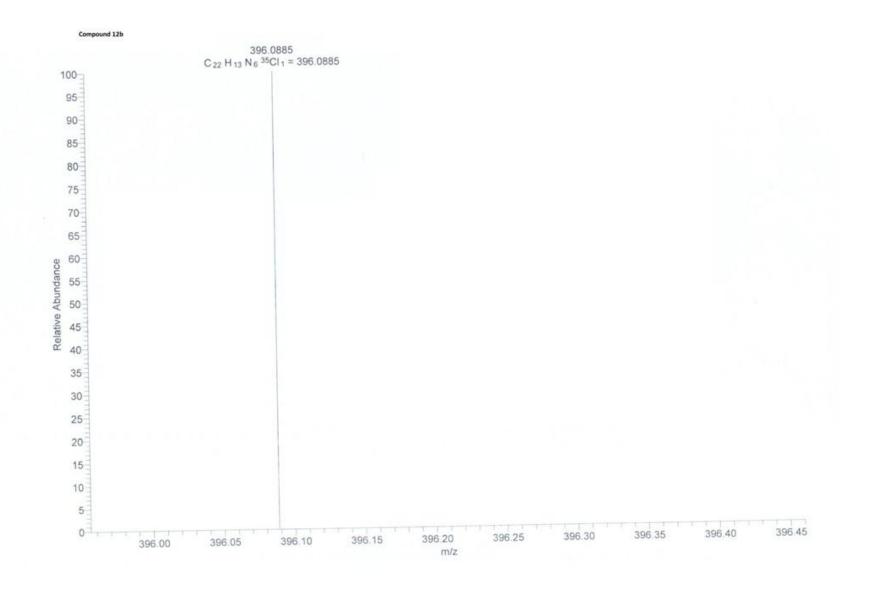


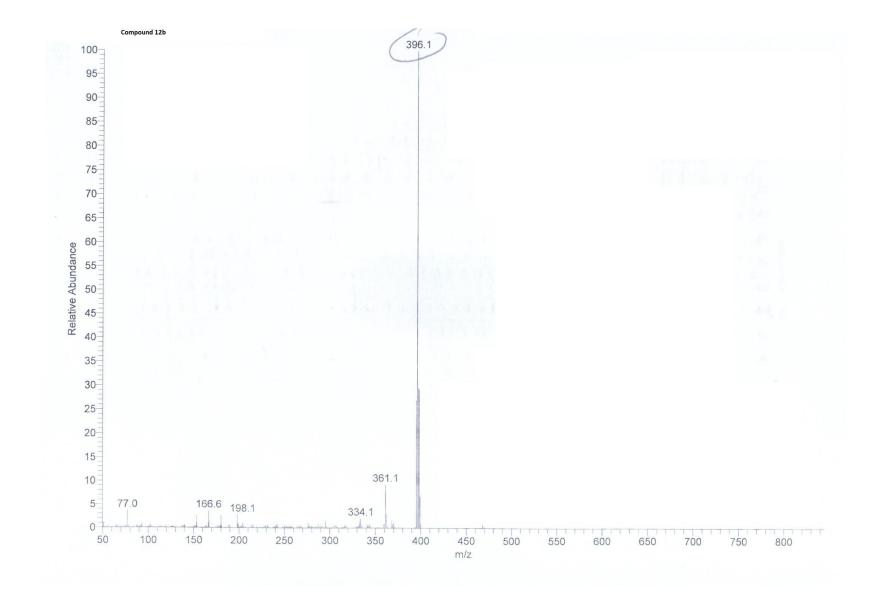




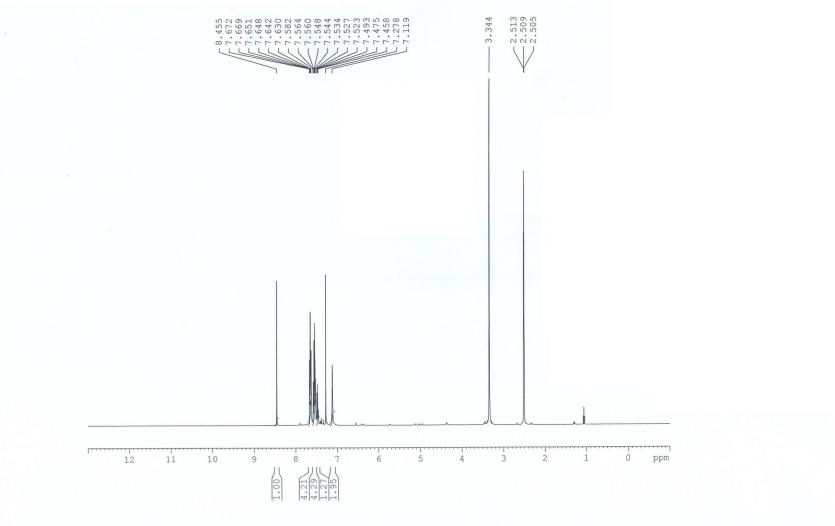


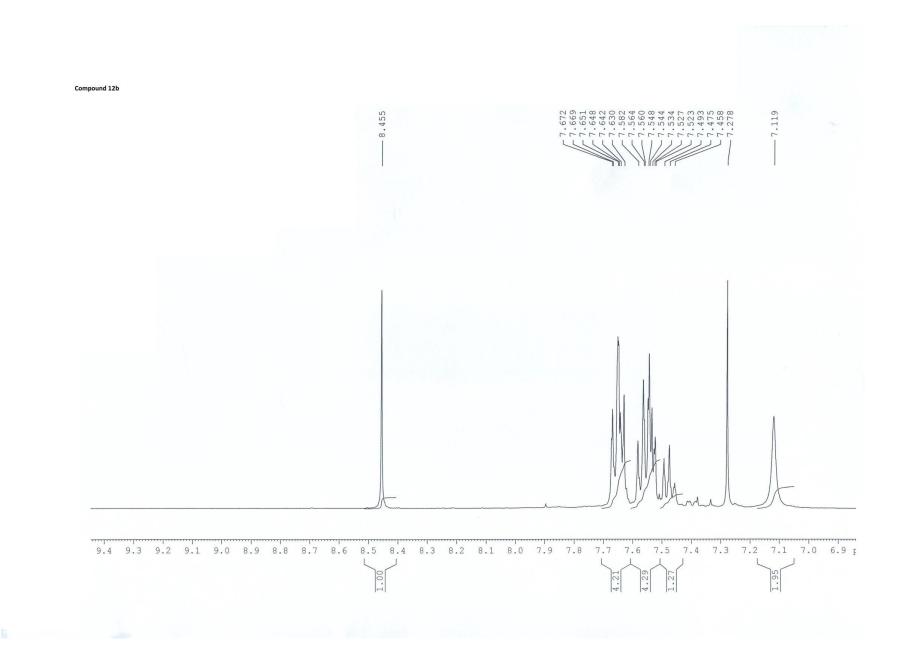


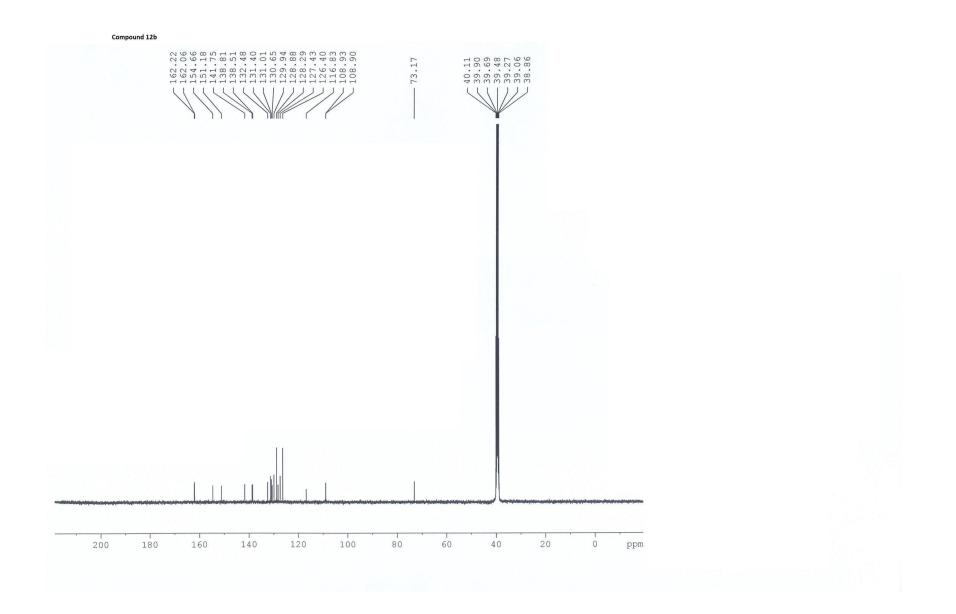


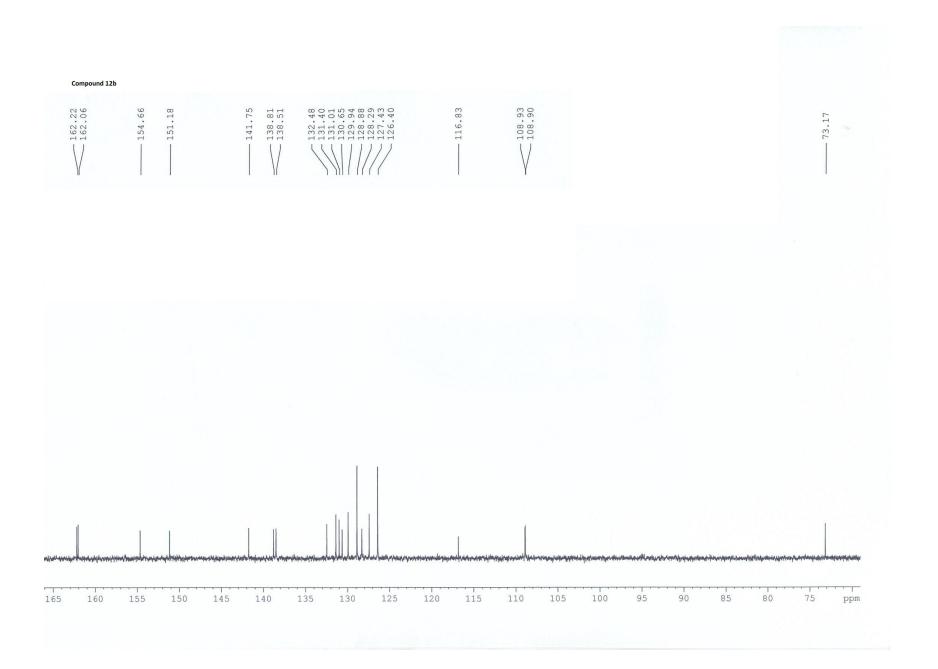


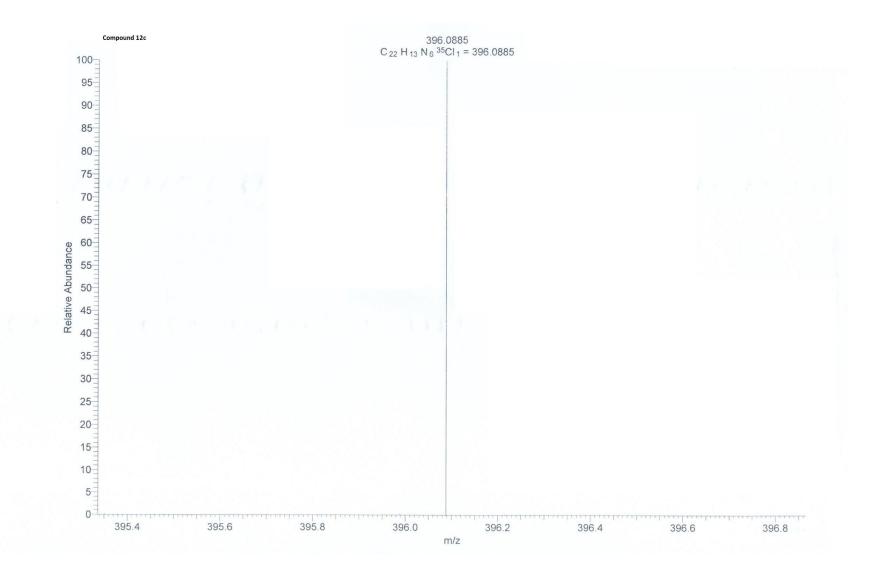
Compound 12b

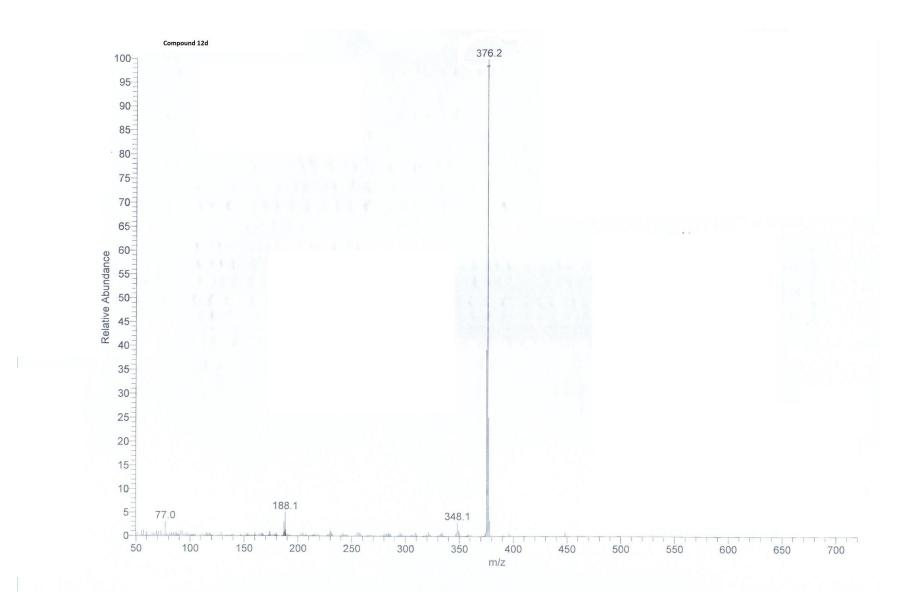


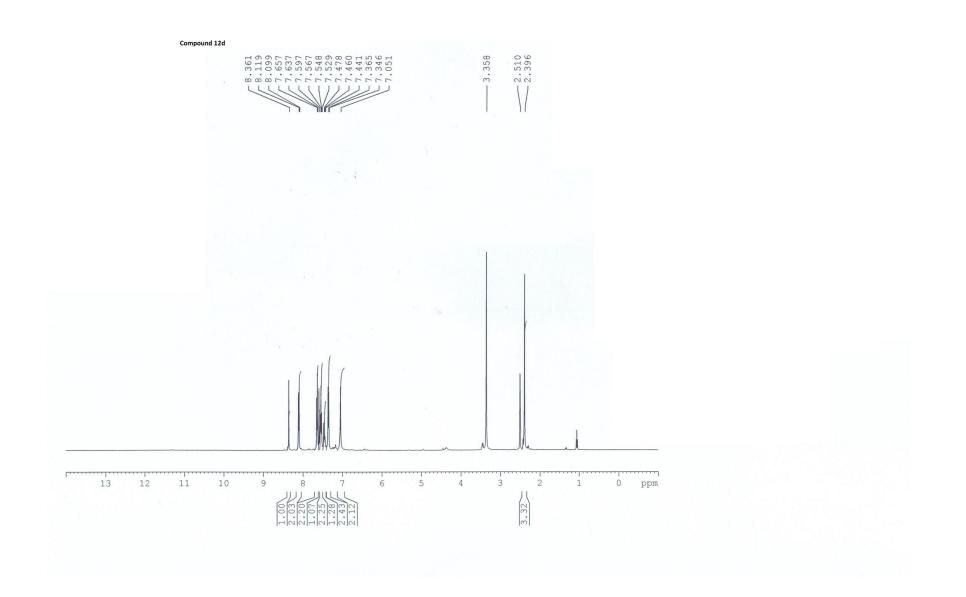


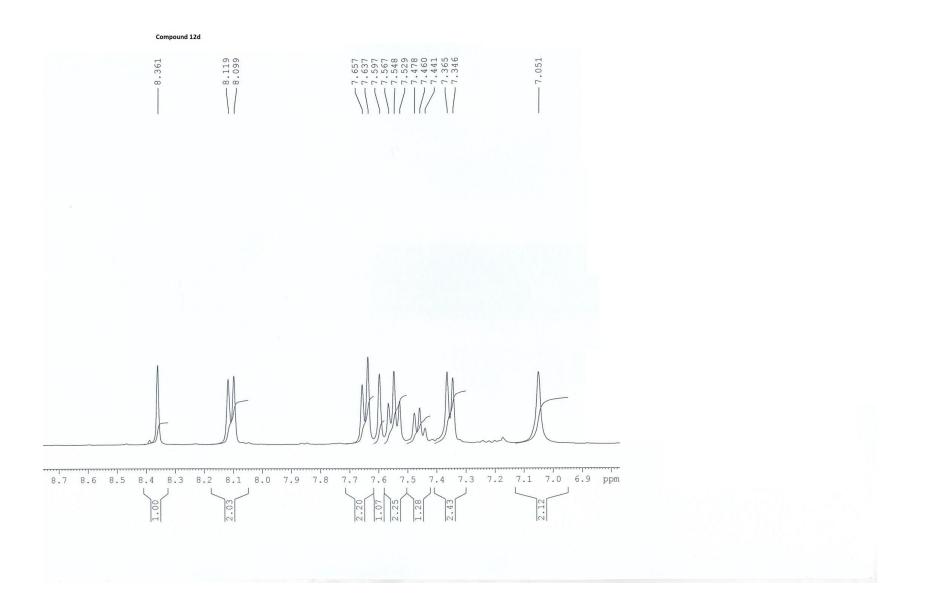


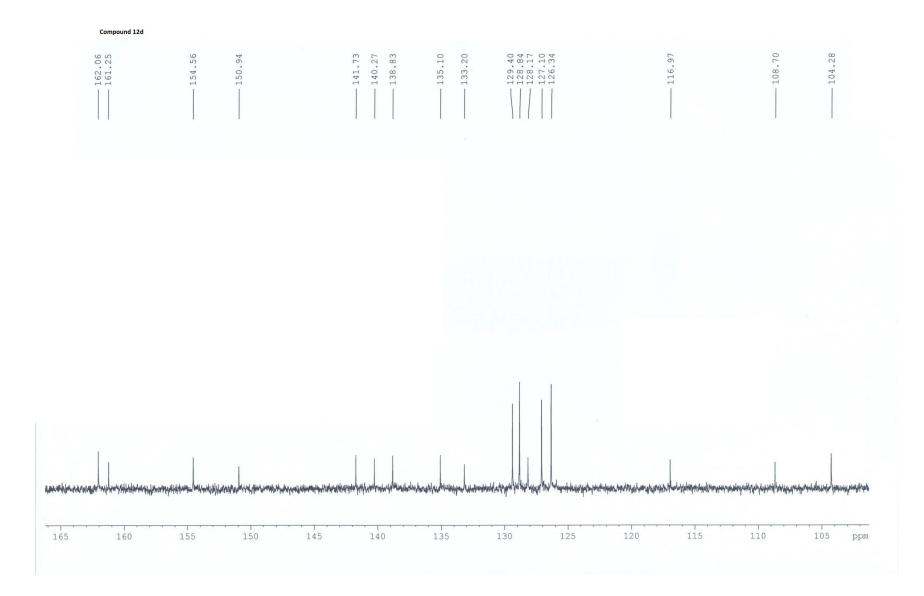


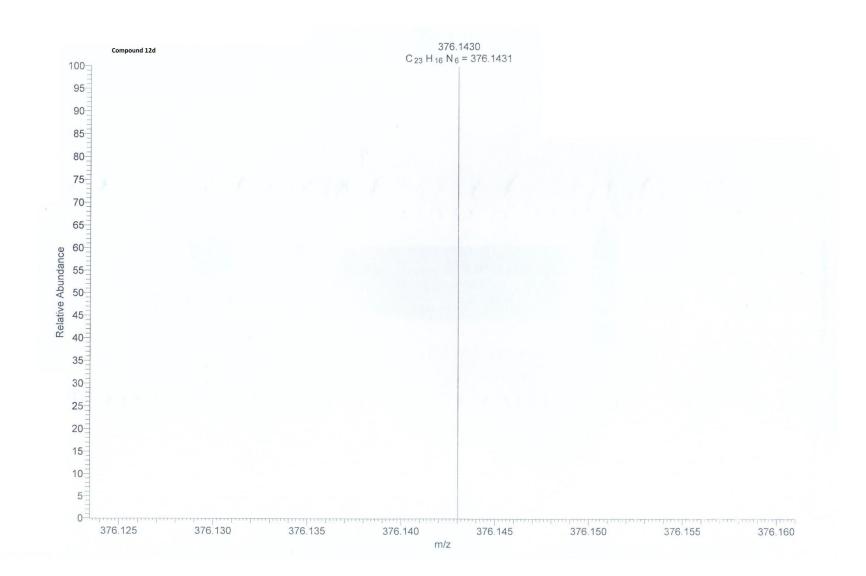




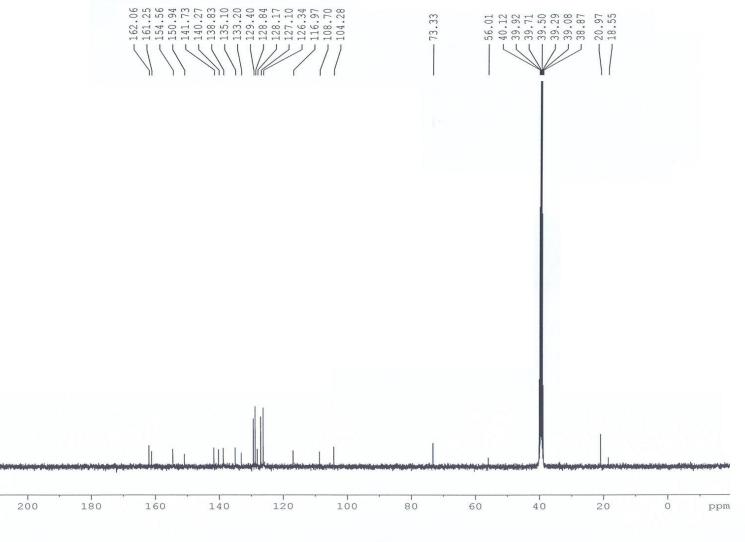


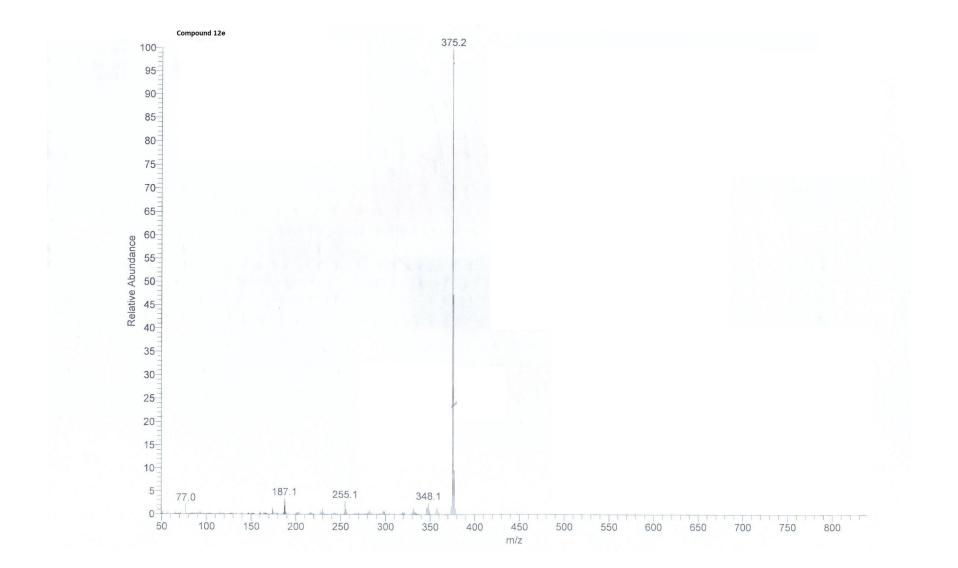


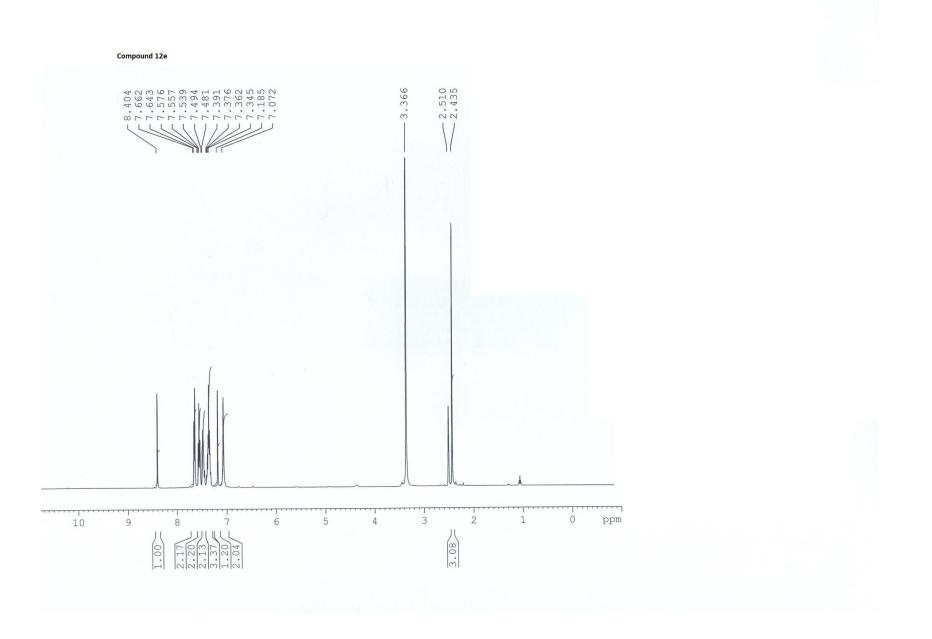






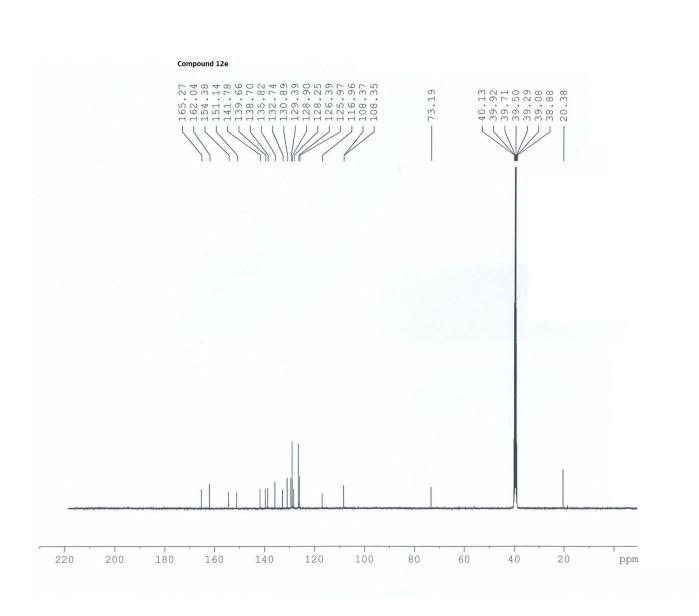


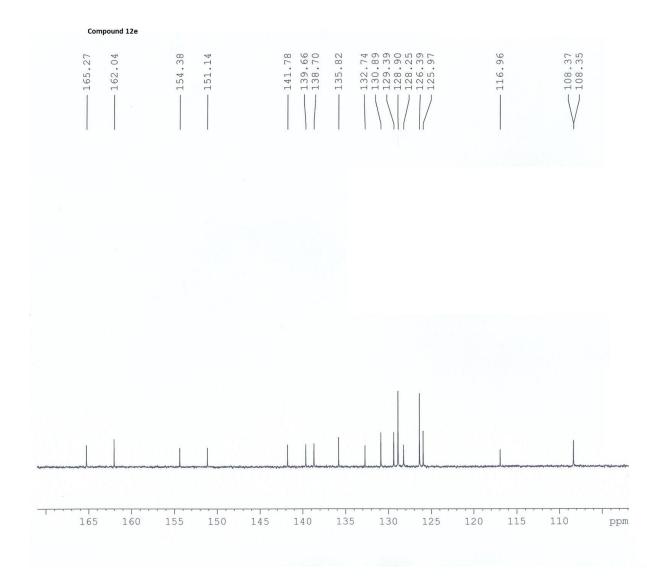




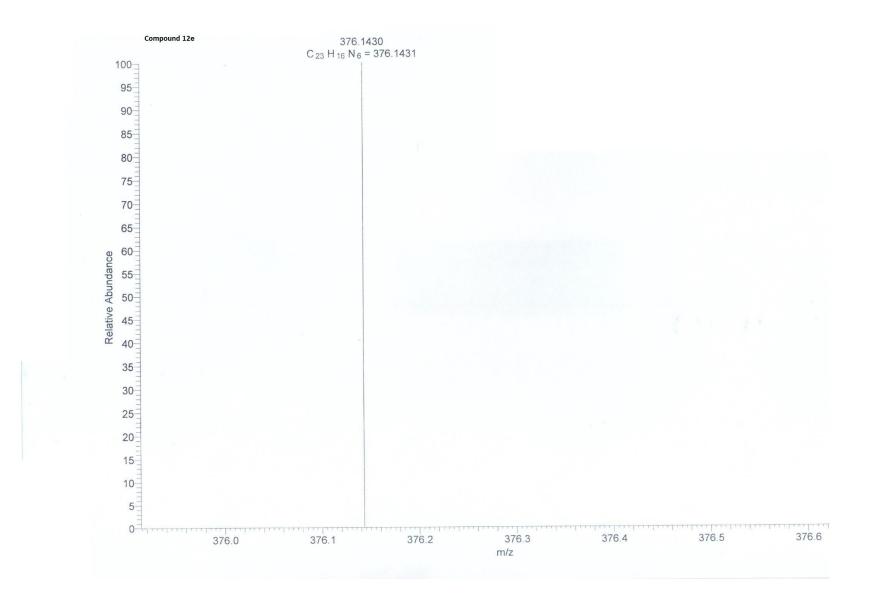
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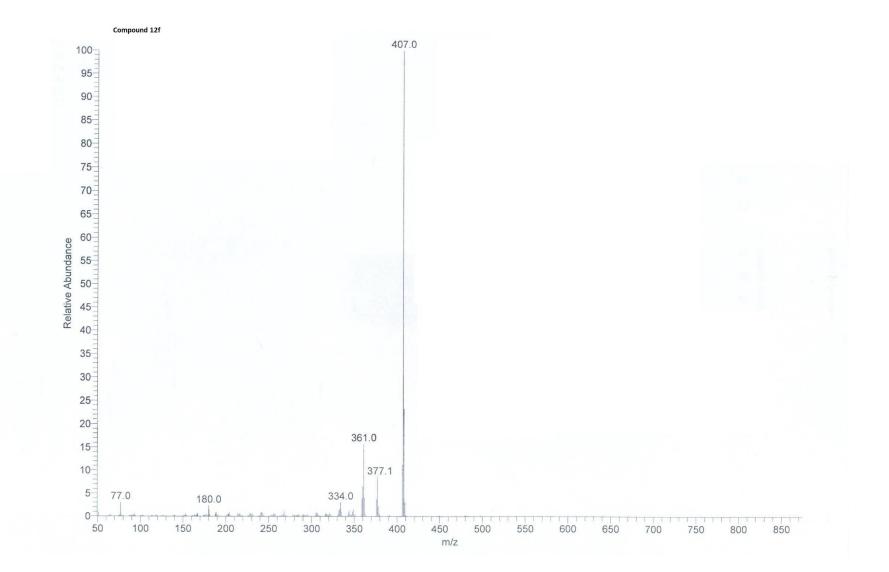


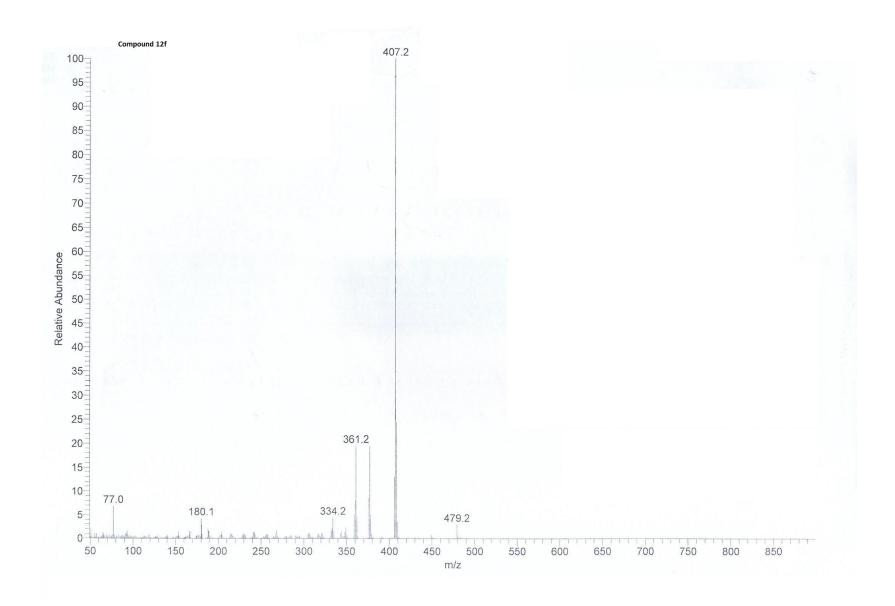




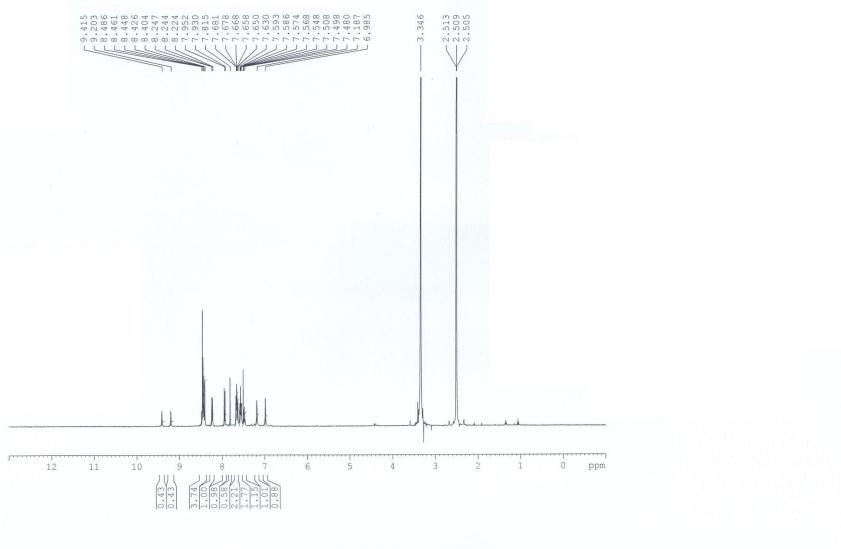


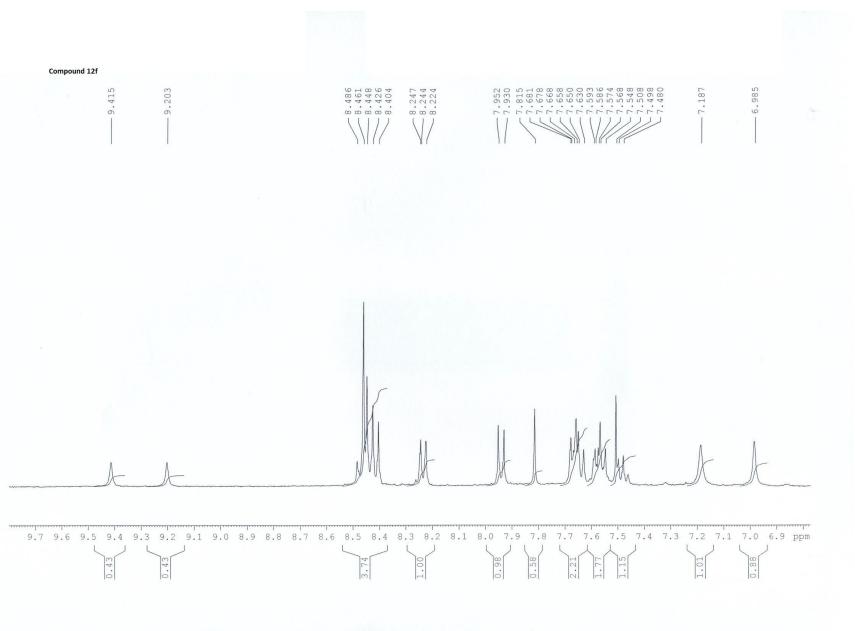


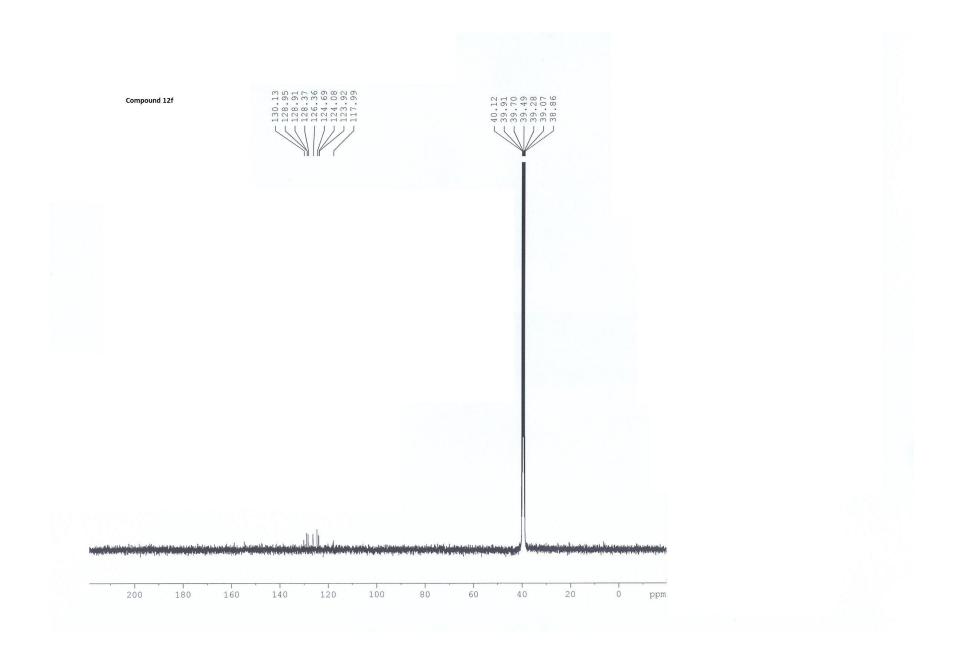




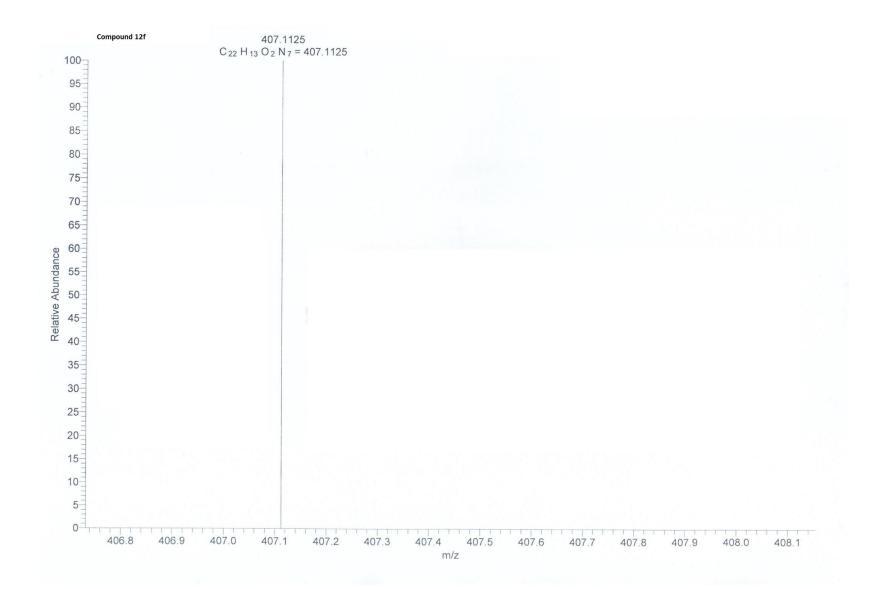


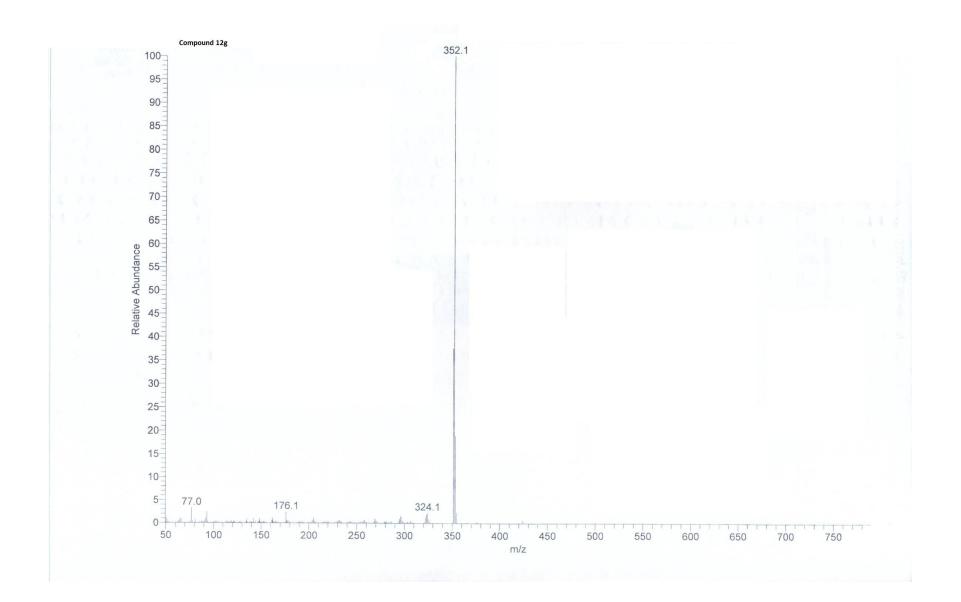


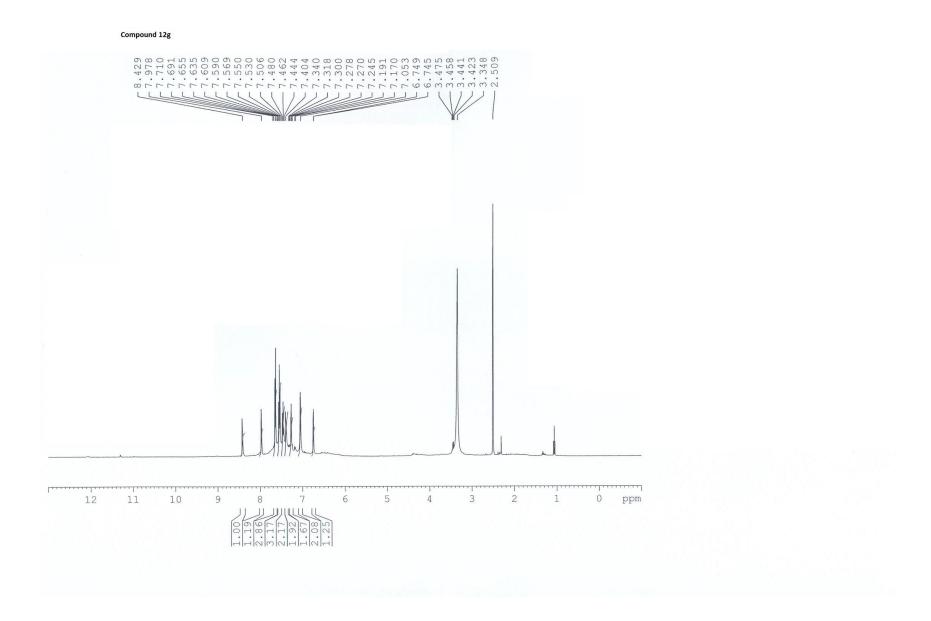




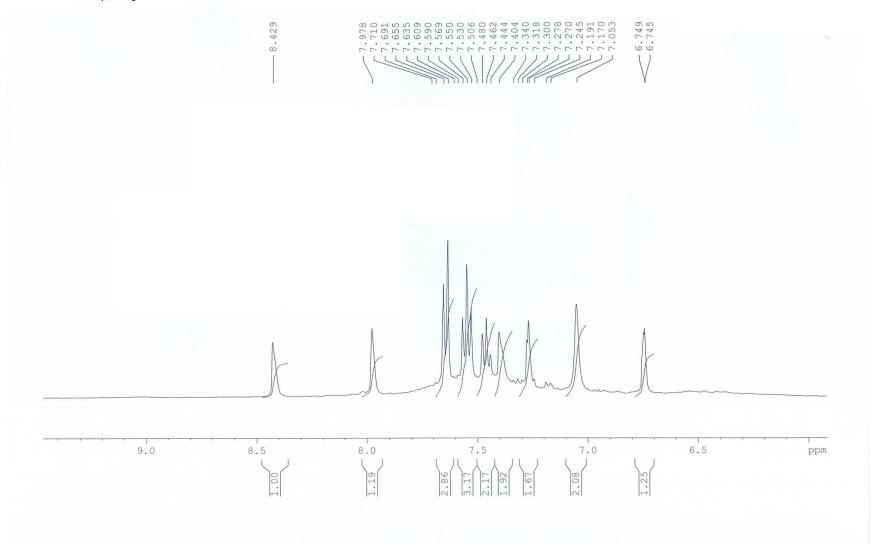
Compound 12f	130.13	128.95 128.91 128.37	126.36	124.69 124.08 123.92			117.99	
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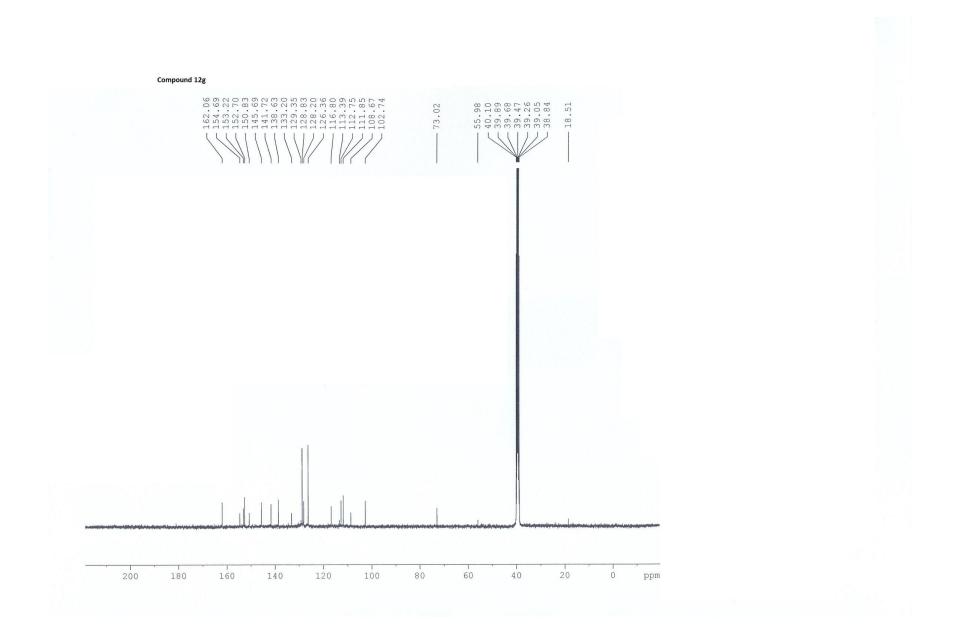


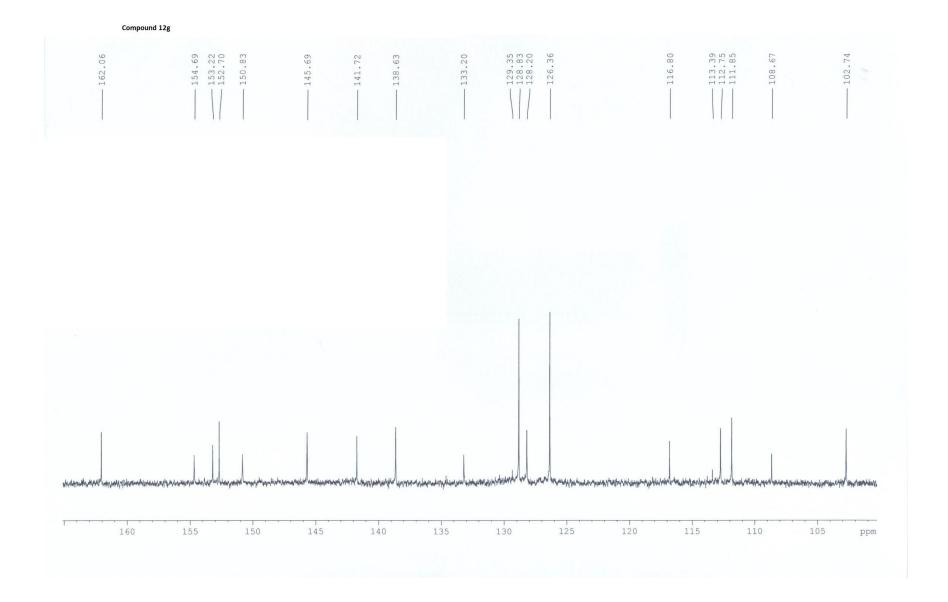


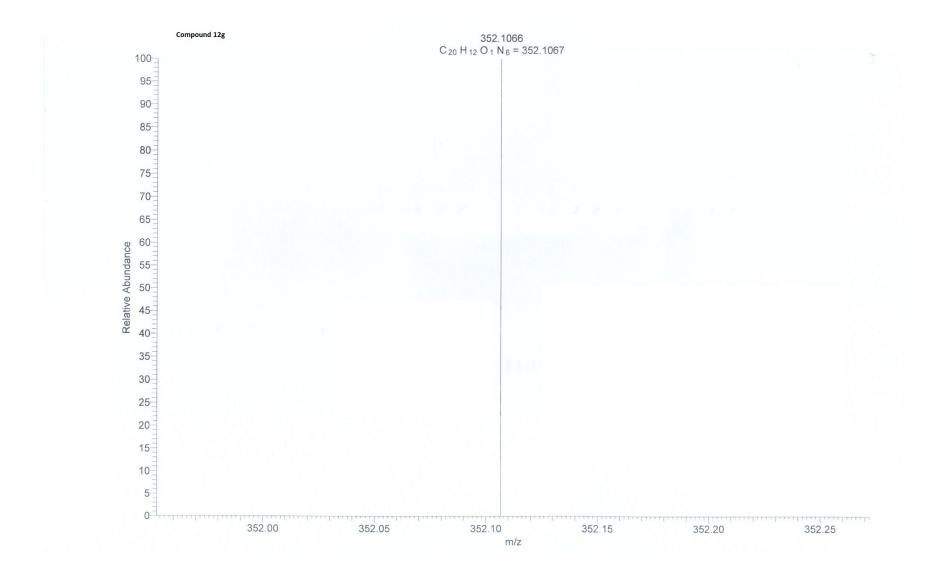


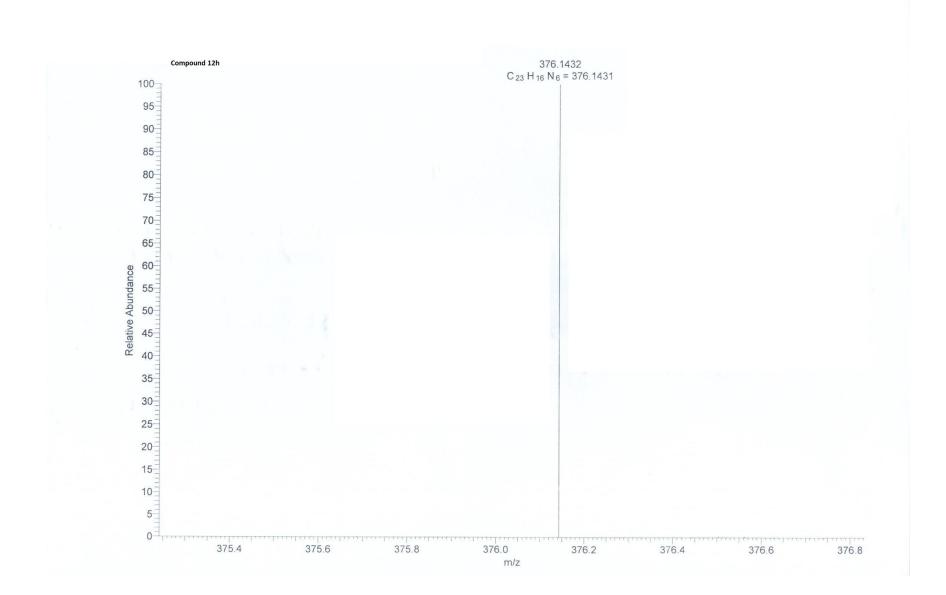
Compound 12g

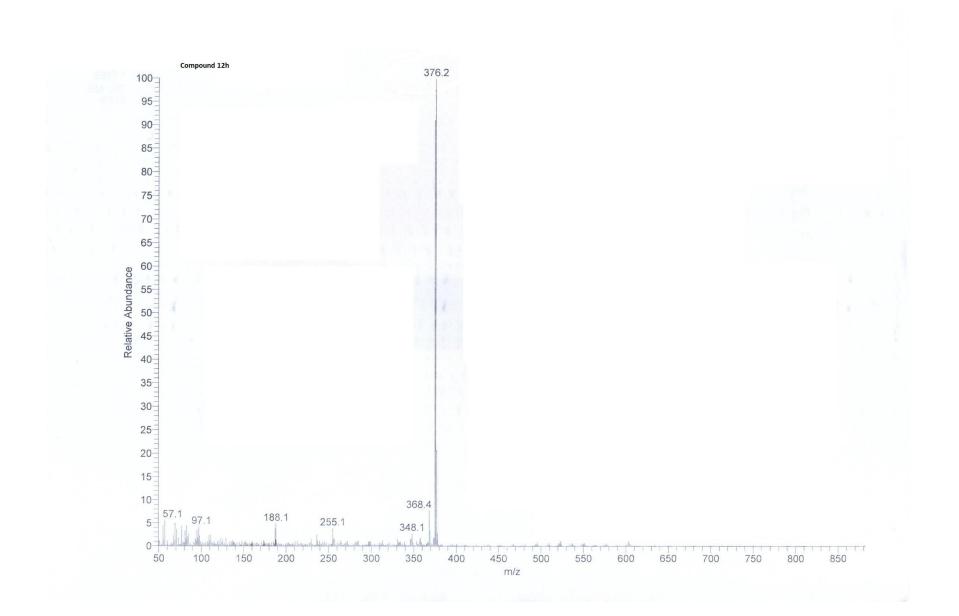


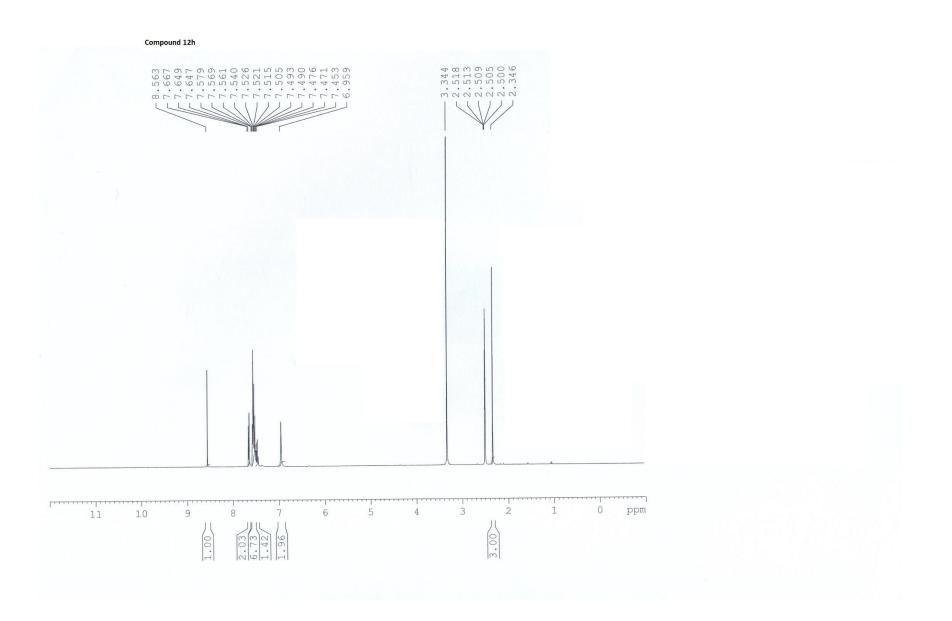


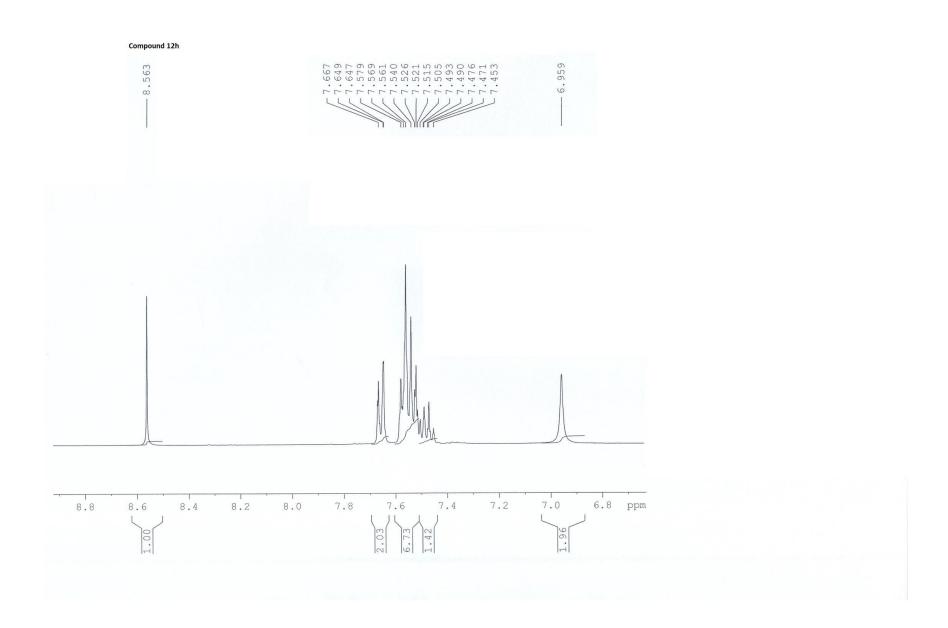




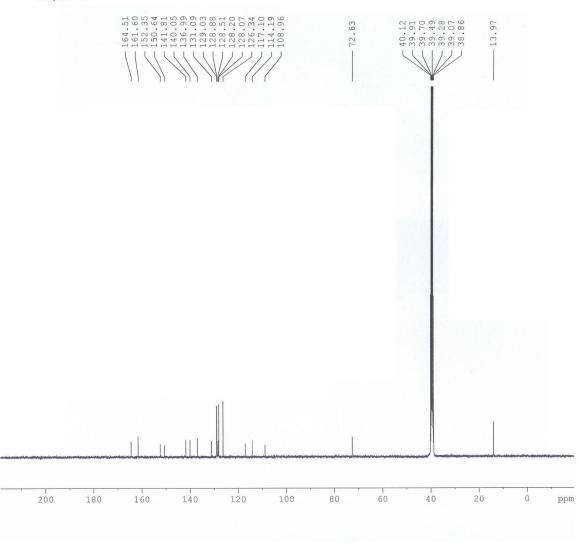






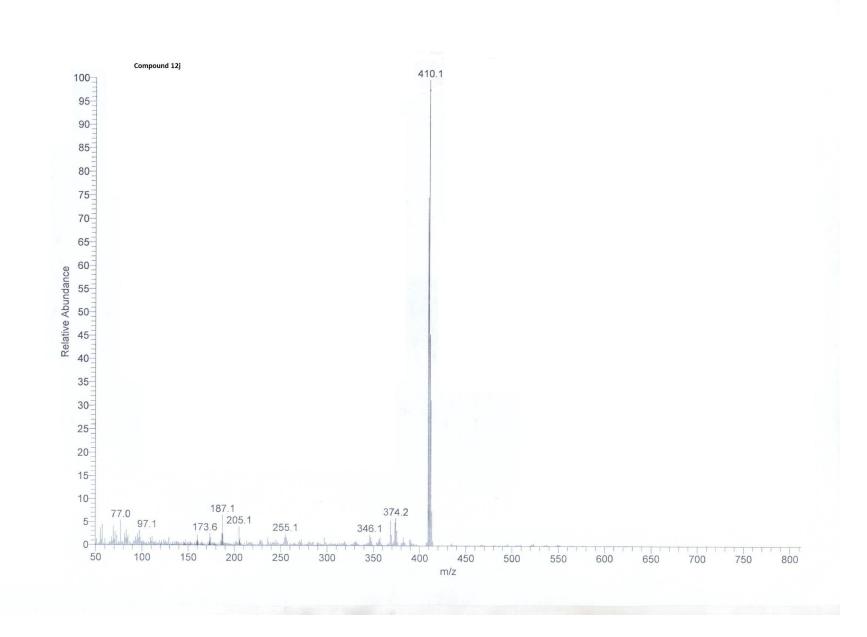


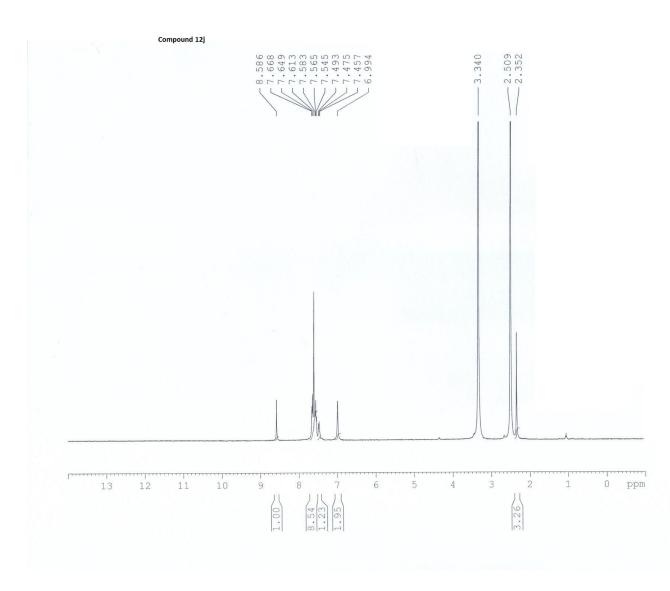
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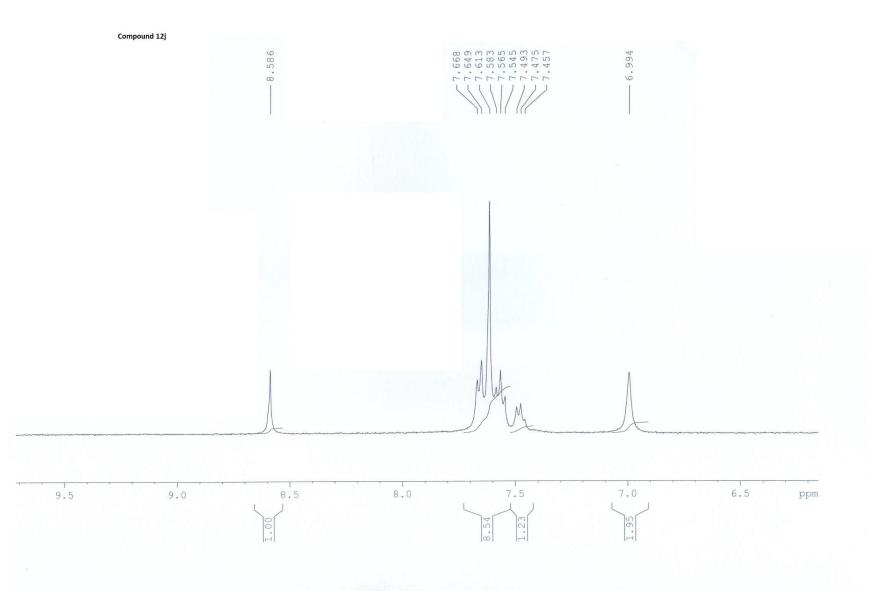


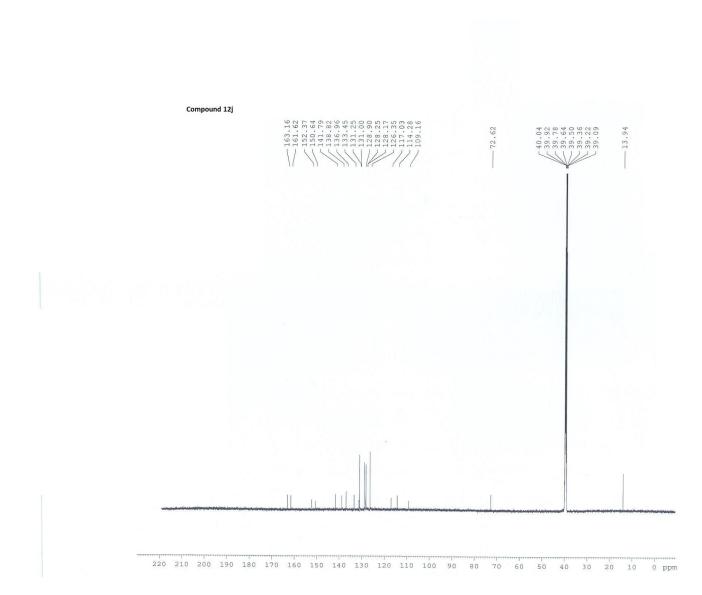
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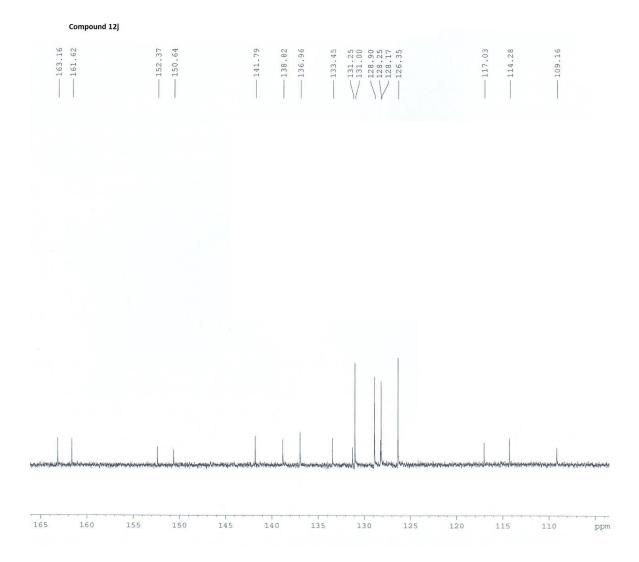
164.51 161.60	152.35	141.81 140.05 136.99	131.09 129.03 128.88 128.88 128.51 128.20 128.20 126.34	117.10 114.19
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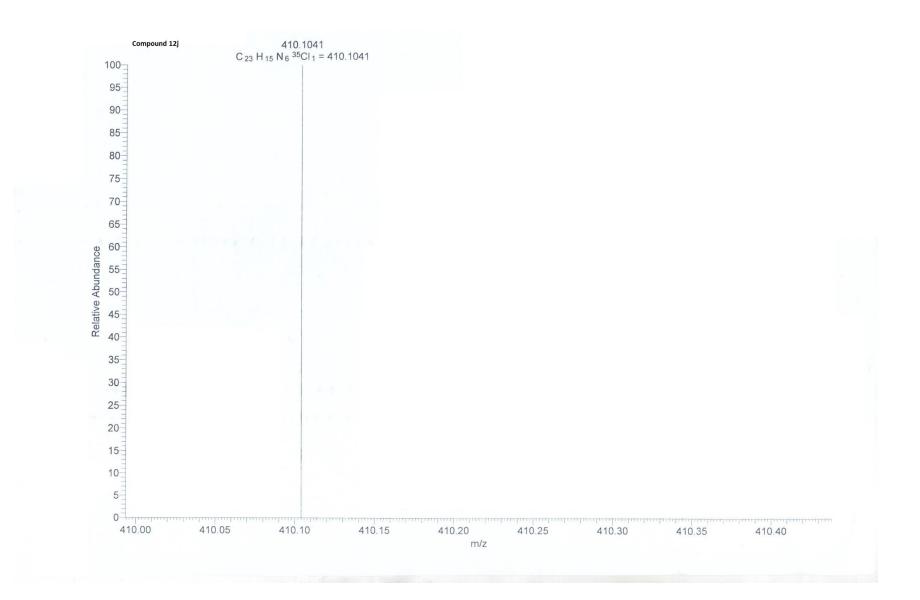


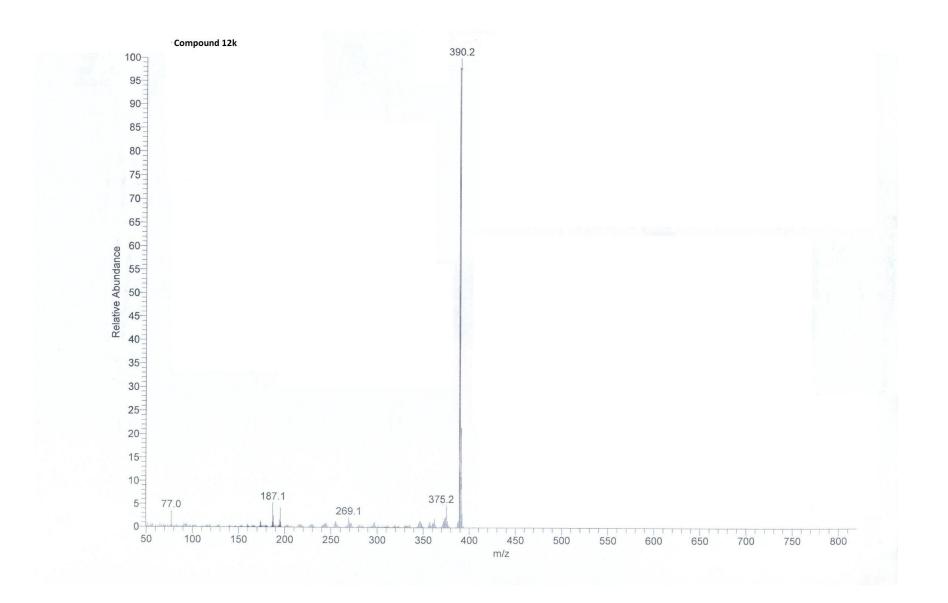


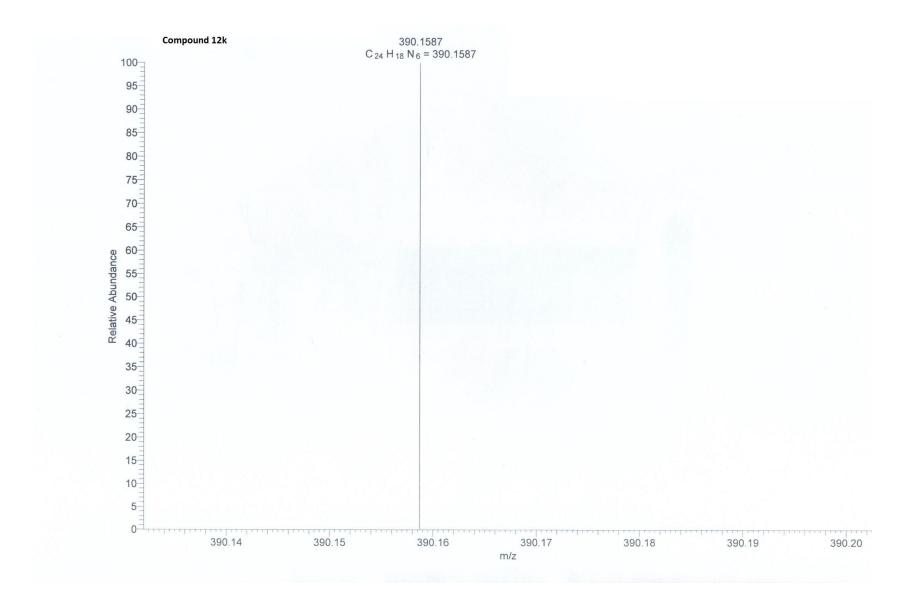


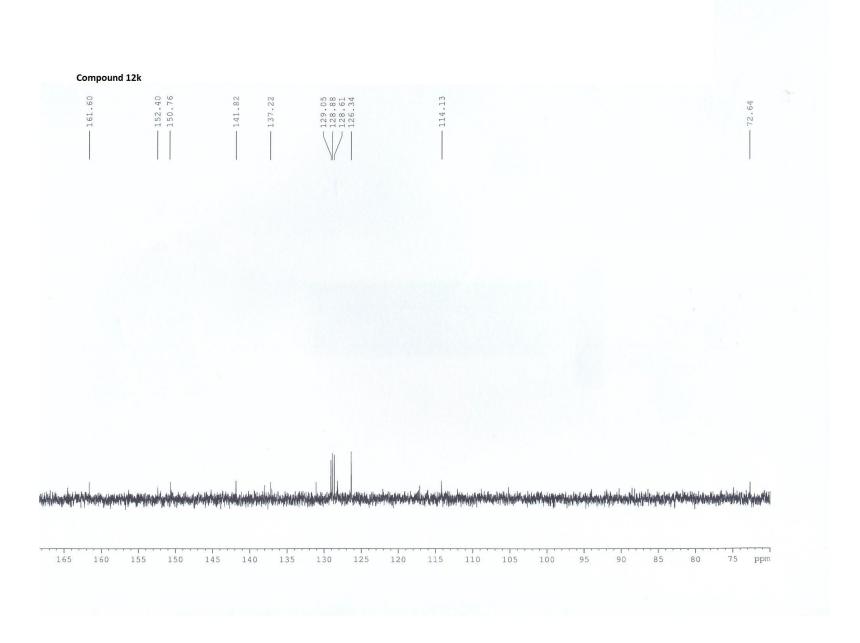




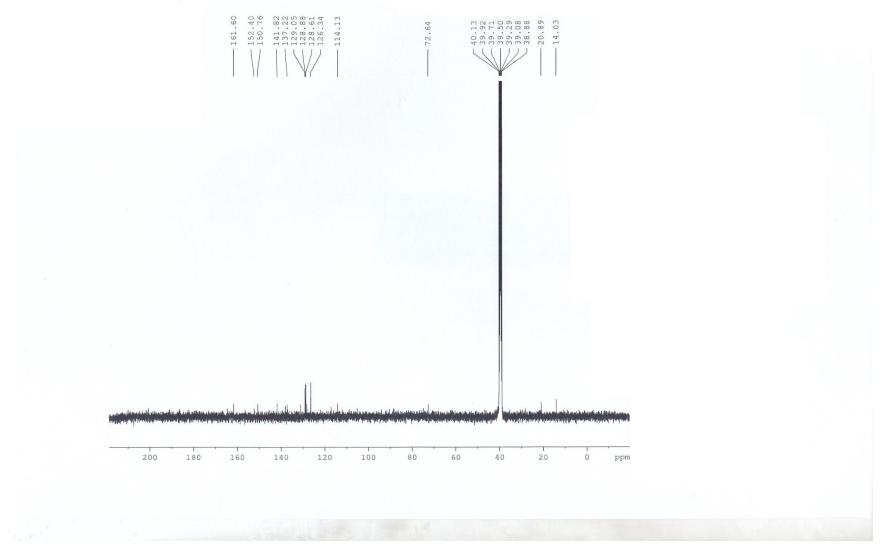


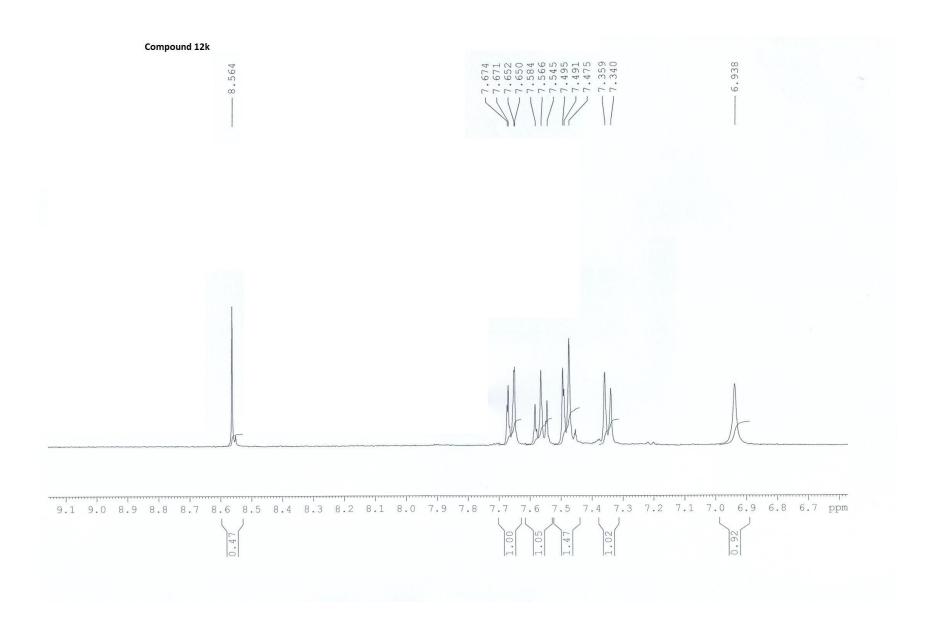


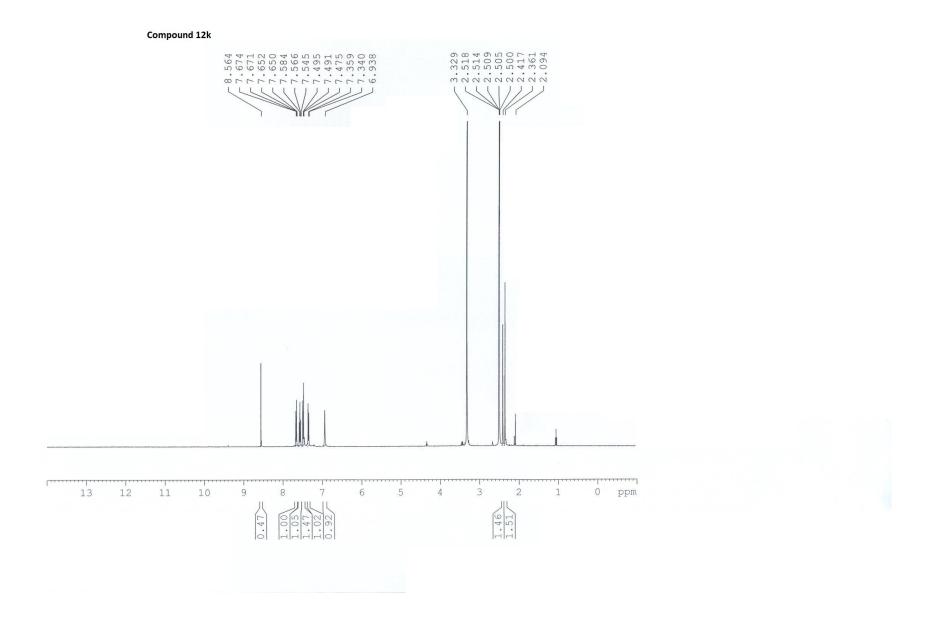


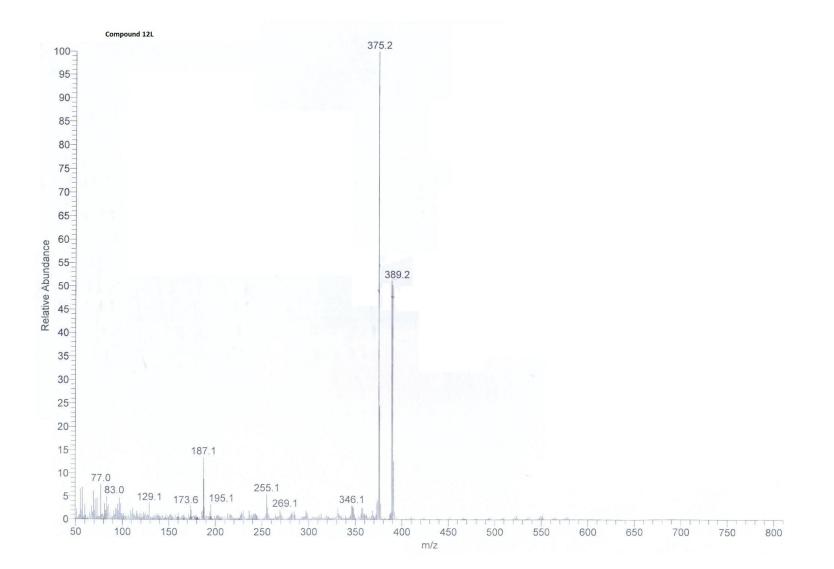




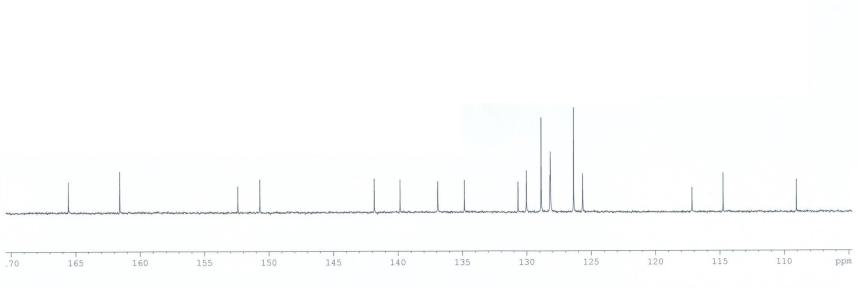


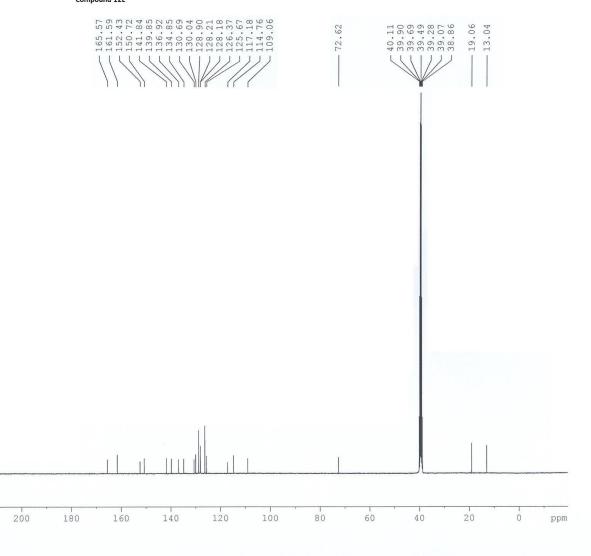




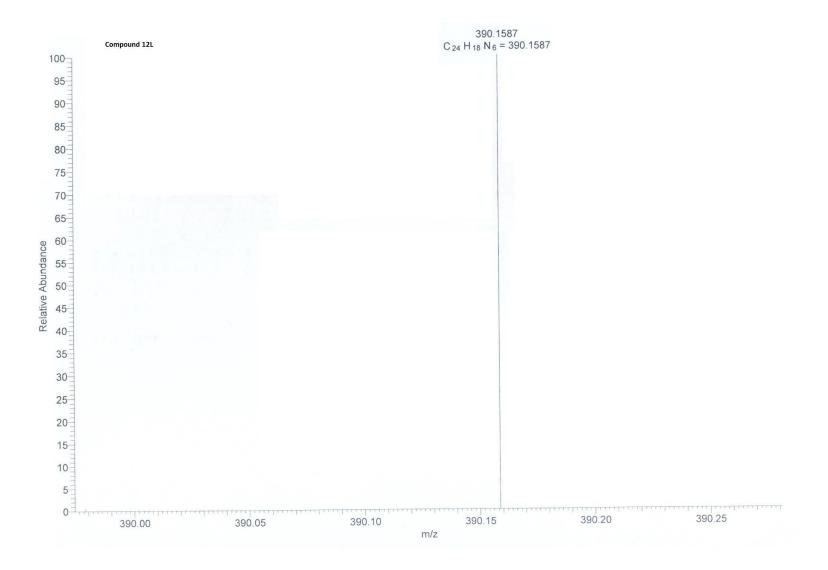


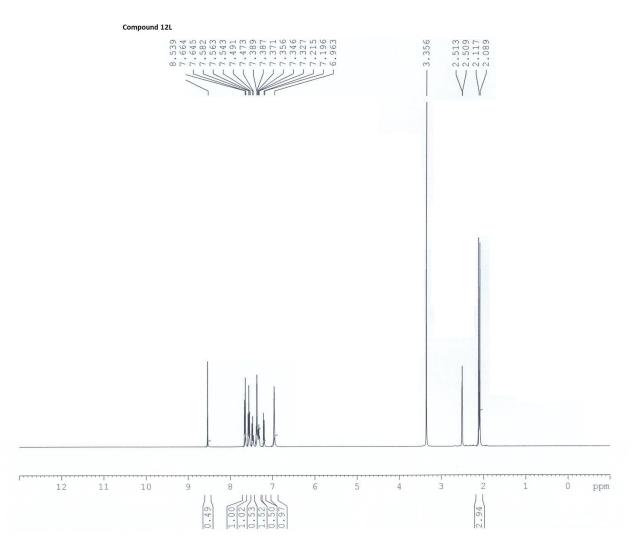
Compound 12L										
165.57 161.59	152.43	150.72	141.84	139.85	136.92	134.85	130.69 130.04 128.90 128.21 128.18 126.37	117.18	114.76	109.06

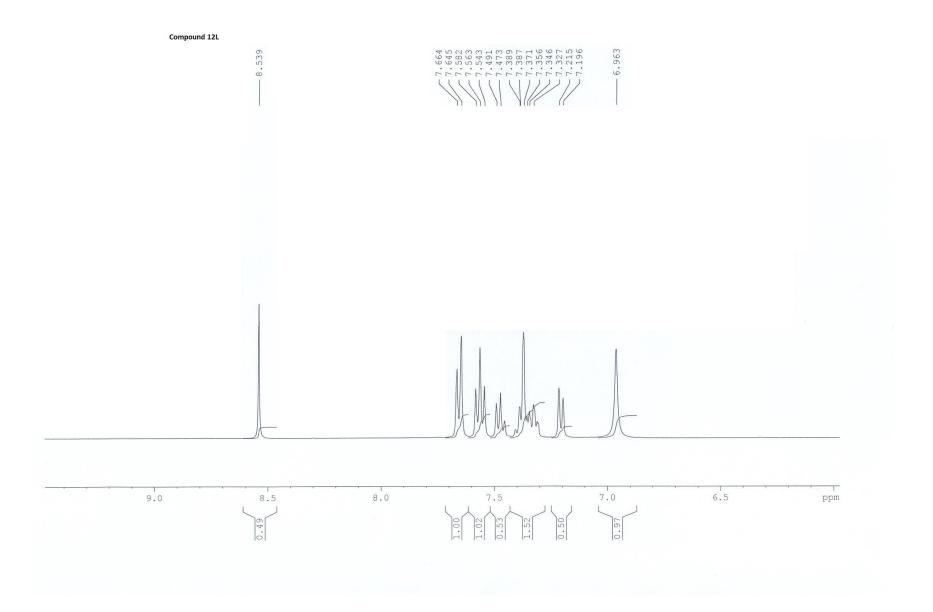


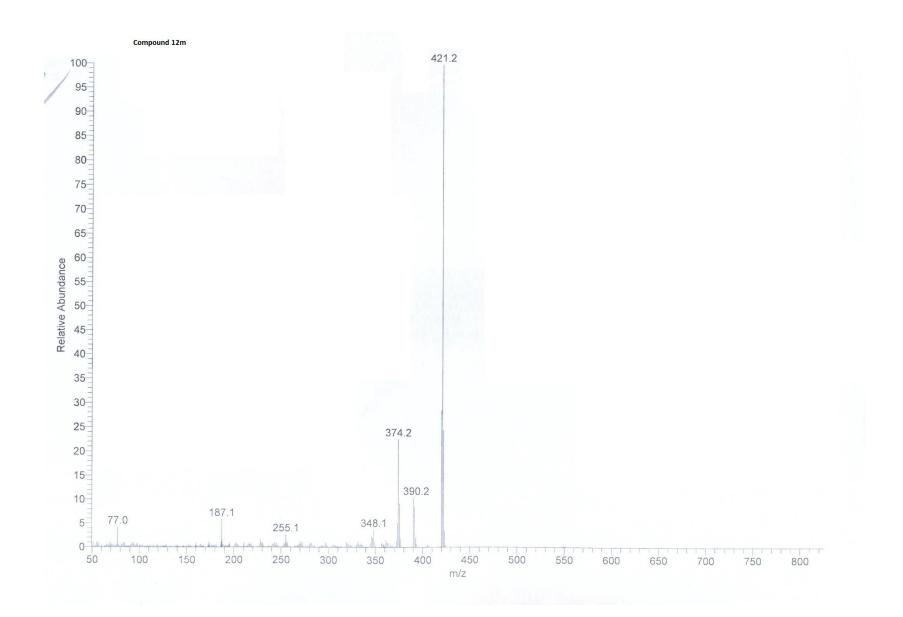


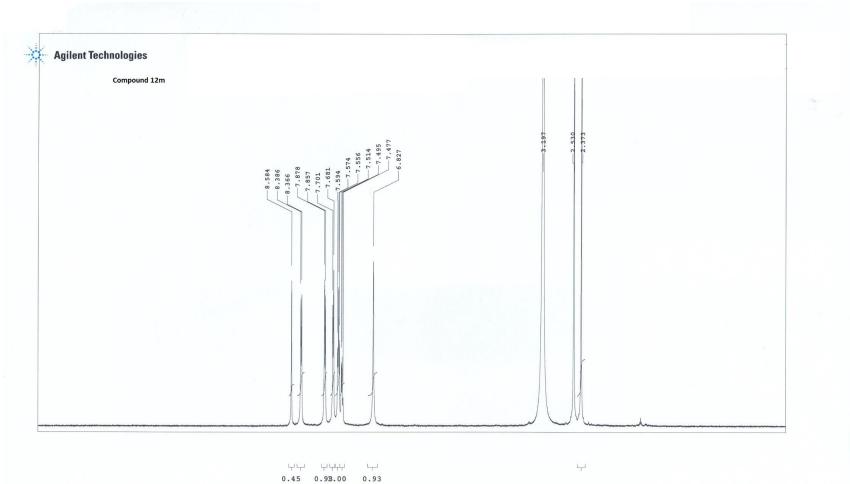
Compound 12L





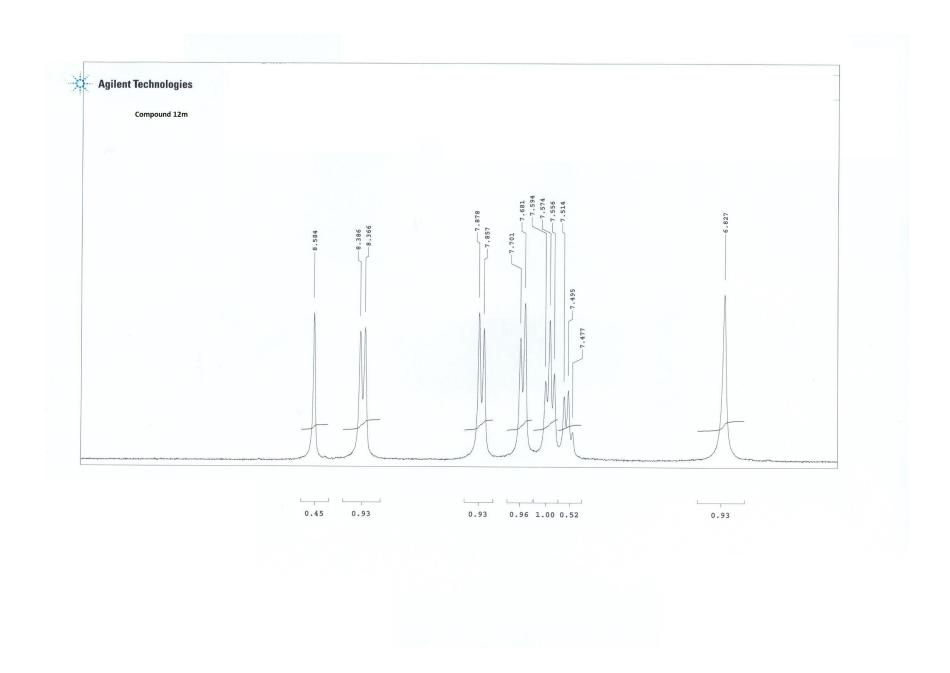


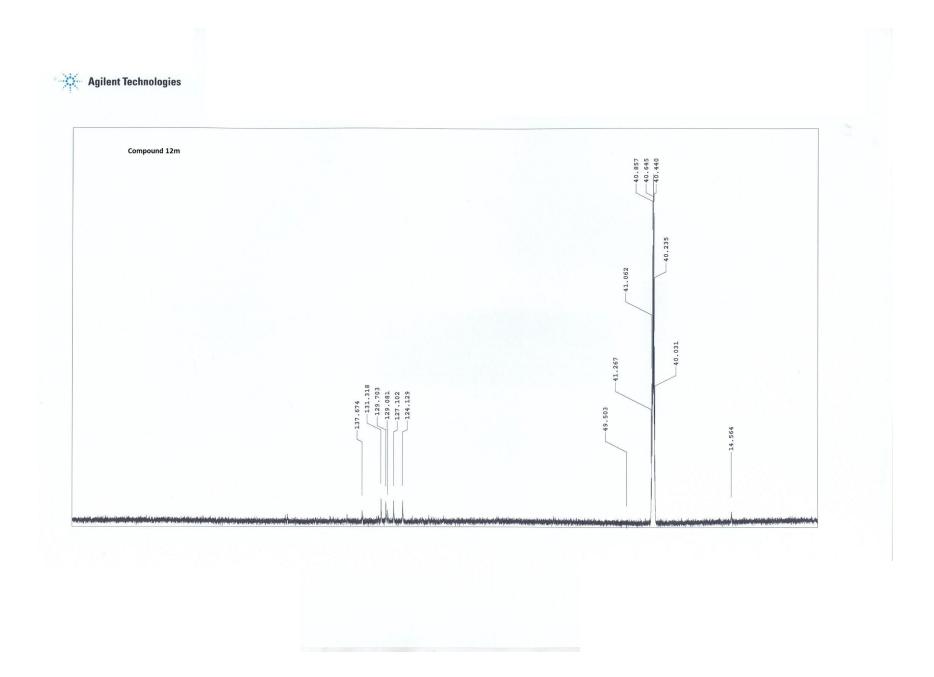




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1.47





Compound 12m				
			E	,
	-163.254 -162.564	142.694 — 137.674 5.618	-131.318 	
		142.6 137. 135.618		105.086

