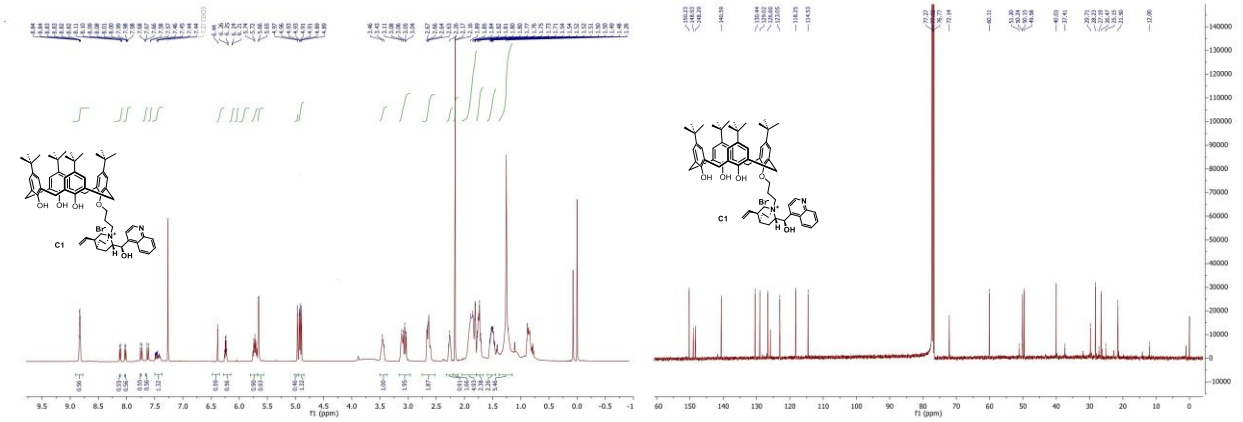
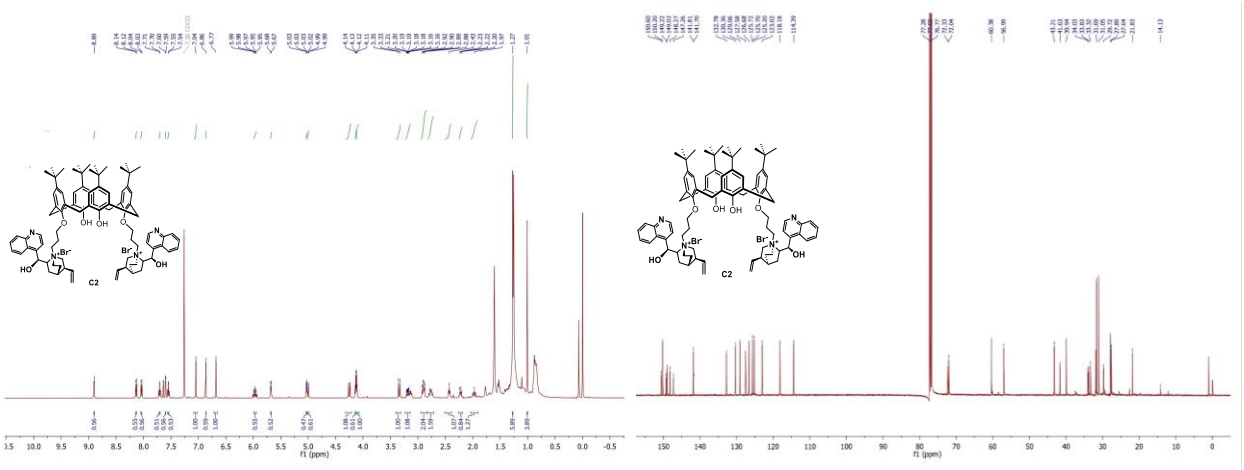
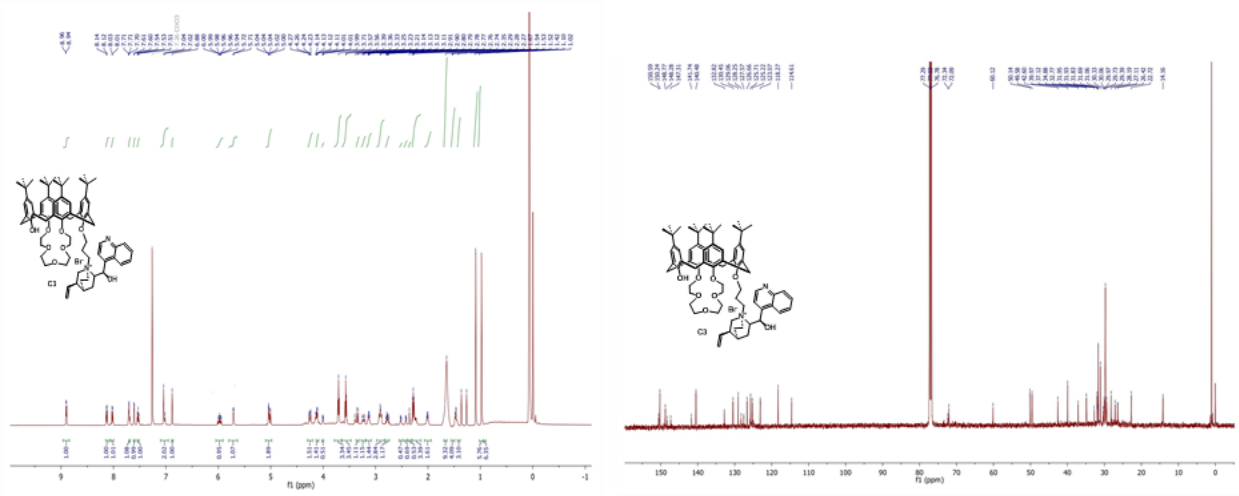
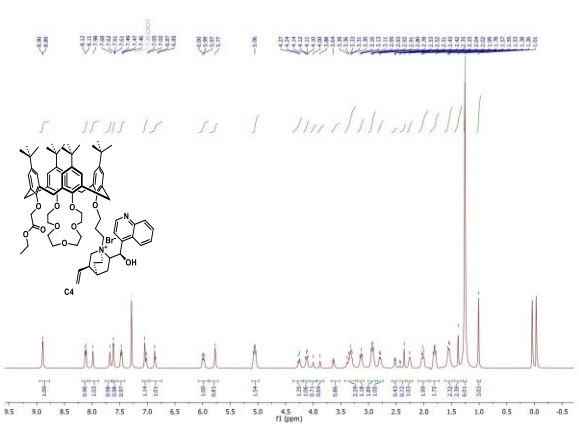
Annexure A
NMR and HPLC

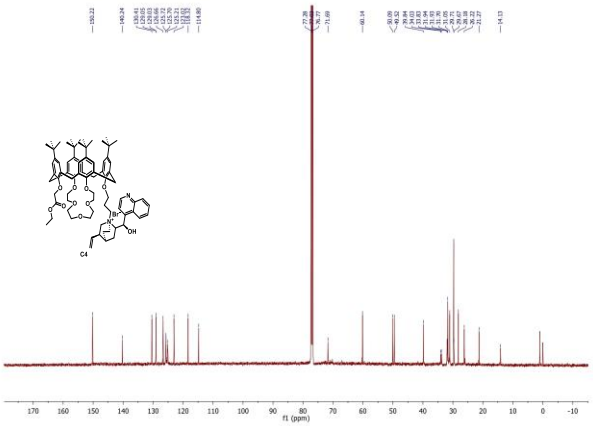
A.1 NMR Spectra of catalysts

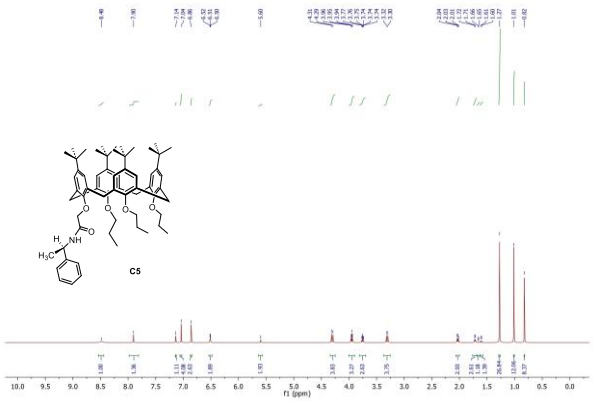


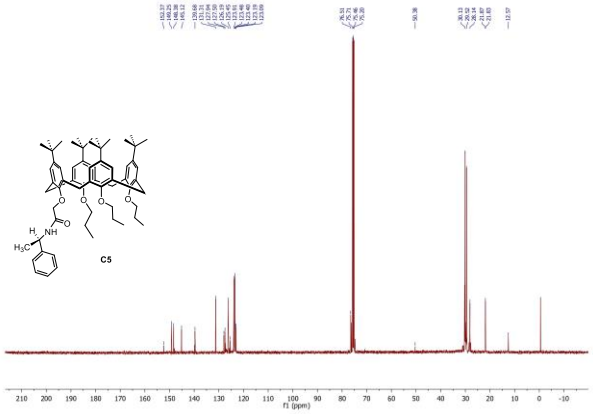


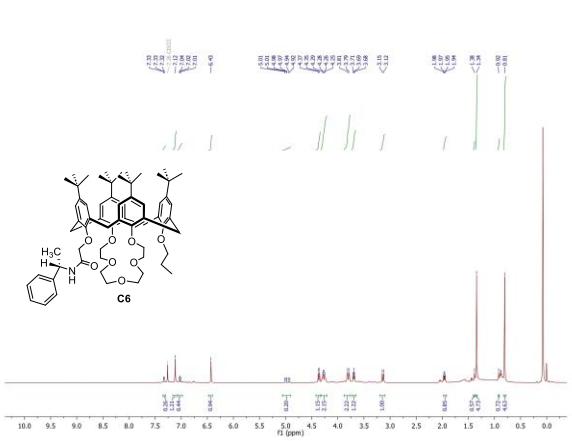


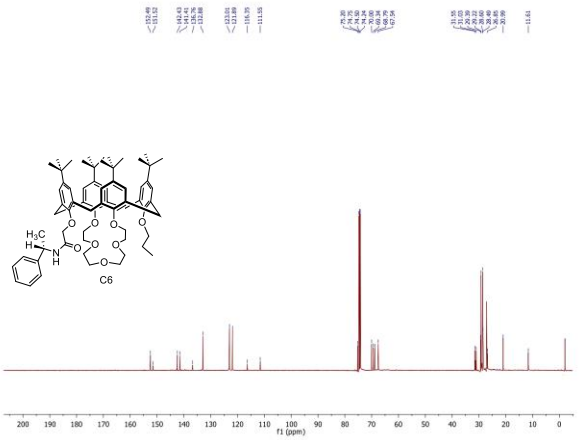

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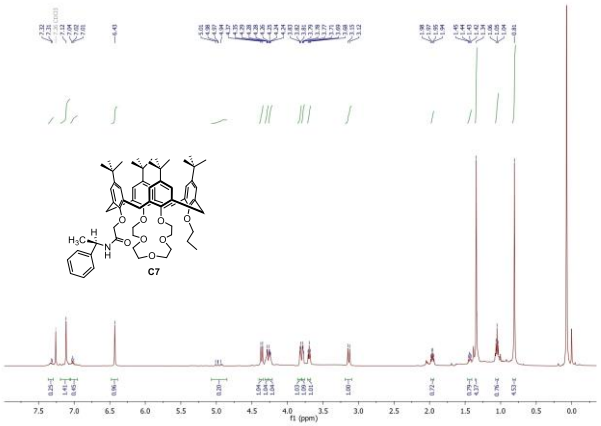

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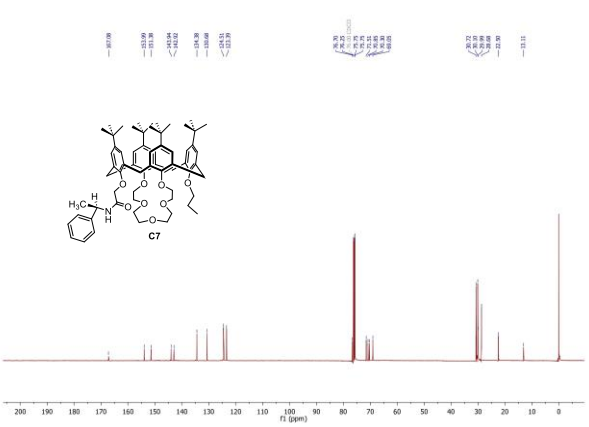

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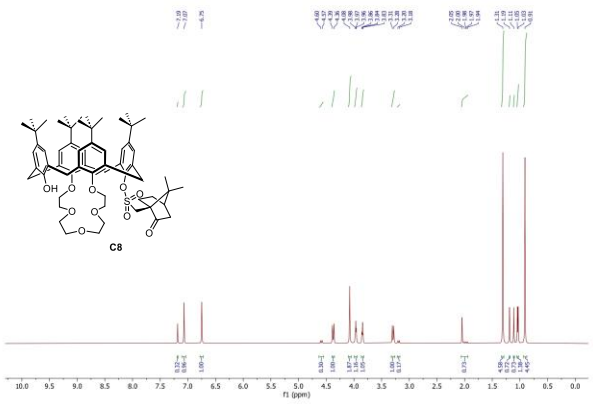

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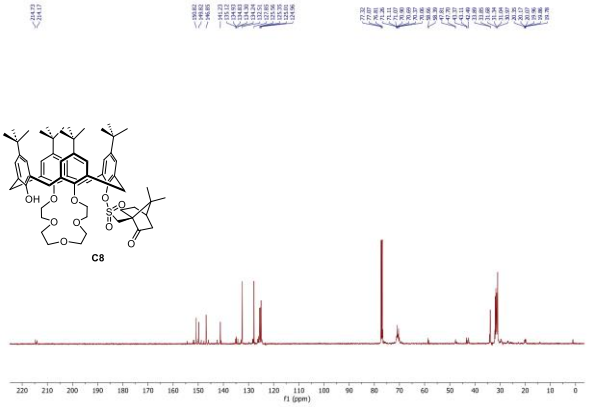

C6
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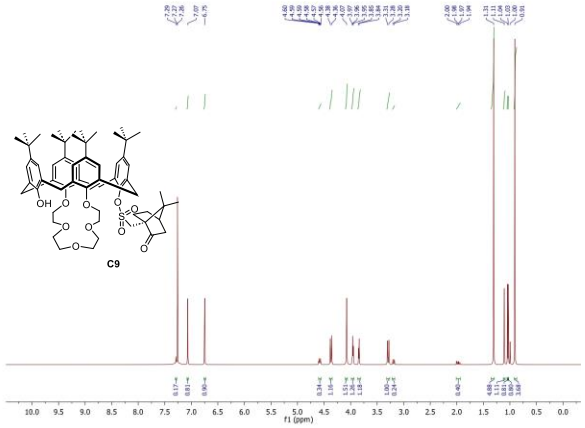

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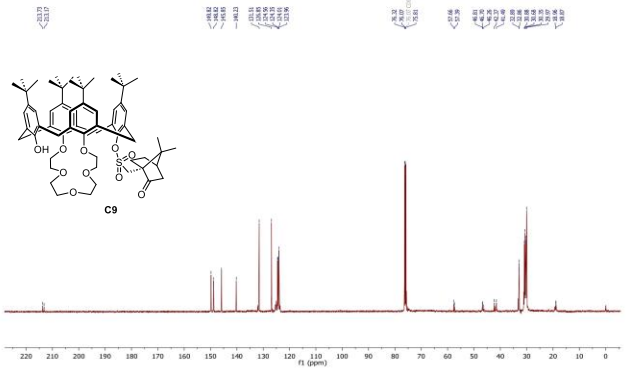

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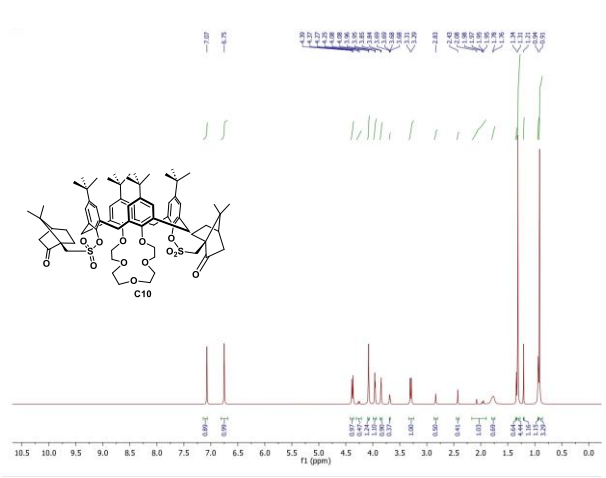

C7
f1 (ppm)

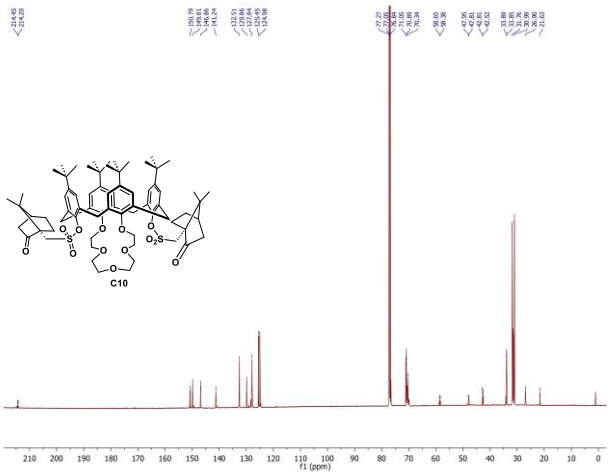

C8
f1 (ppm)


C8
f1 (ppm)

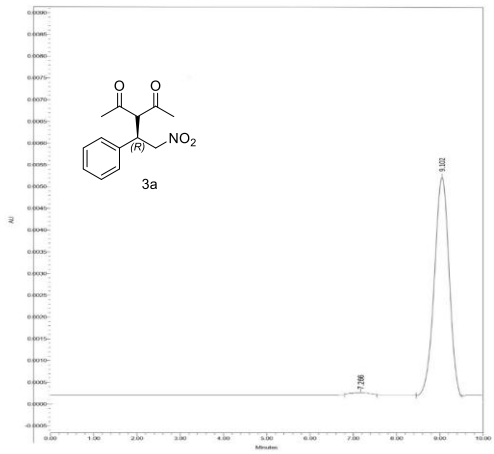

C9
f1 (ppm)


C9
f1 (ppm)

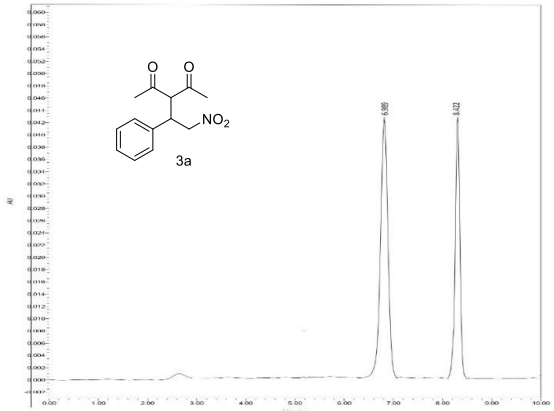

C10
f1 (ppm)


C10
f1 (ppm)

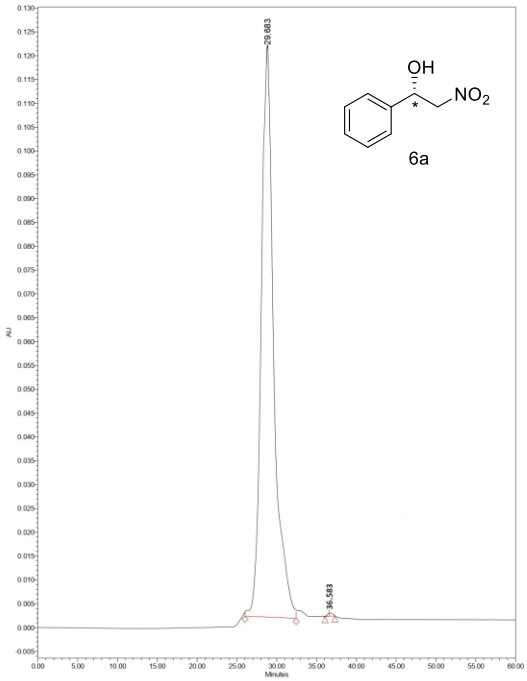
A.2 HPLC Chromatogram



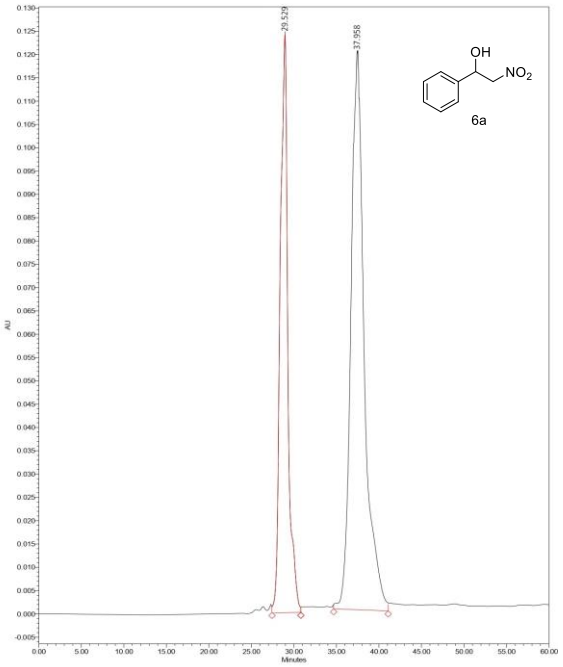
	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		7.266	15055	0.38	728
2		8.694	520951	99.62	42390



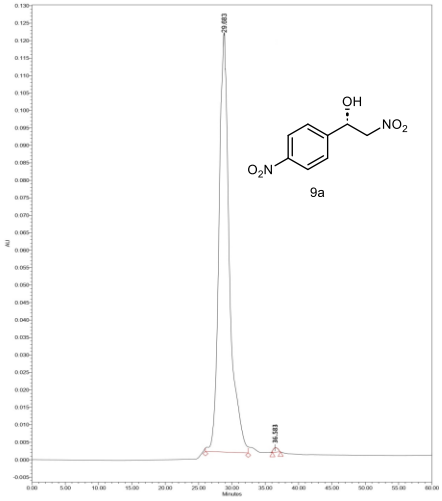
	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		6.989	520951	51	42390
2		8.422	511867	49	40456



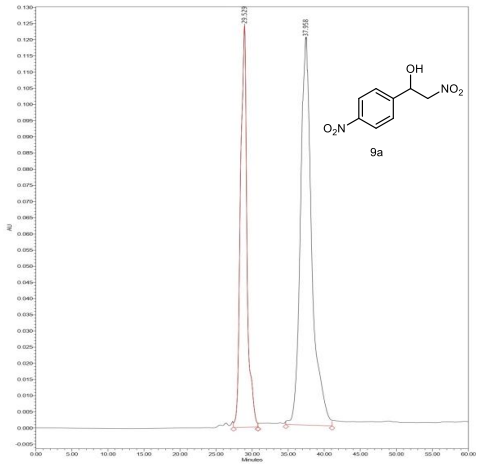
	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		29.683	5247686	99.90	552586
2		36.583	5253	0.10	720



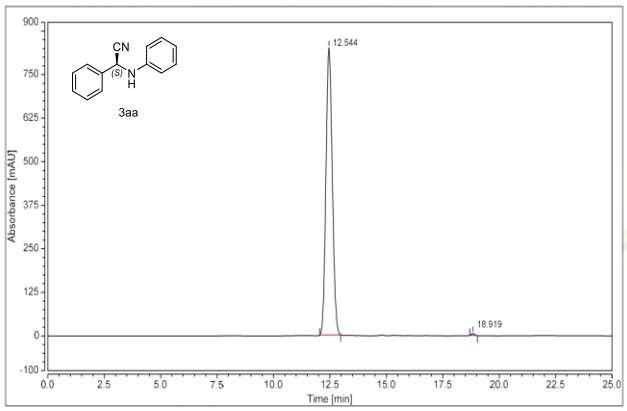
	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		29.529	14537391	48.678	232780
2		37.958	15327006	51.322	265439



	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		29.683	5247686	99.40	552586
2		36.583	31676	0.60	1020

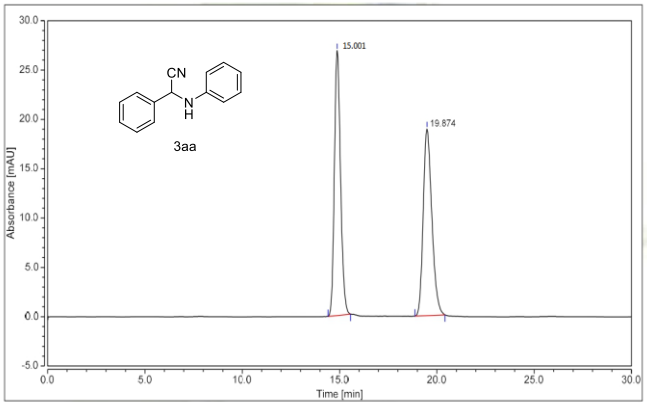


	Name	Retention Time (min)	Area µV*sec)	%Area	Height (µV)
1		29.529	14537391	48.678	232780
2		37.958	15327006	51.322	265439



Integration Results

Peak	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	12.544	268.550	824.576	99.63	99.32	n.a.
2	18.919	0.996	5.681	0.37	0.68	n.a.
		269.546	**830.257**	**100.00**	**100.00**	



Integration Results

Peak	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount
1	15.001	9.830	26.865	50.30	58.65	n.a.
2	19.874	9.714	18.939	49.70	41.35	n.a.
		19.544	**45.804**	**100.00**	**100.00**	

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