

List-Barbas-Mannich Reaction Catalyzed by Modularly Designed Organocatalysts

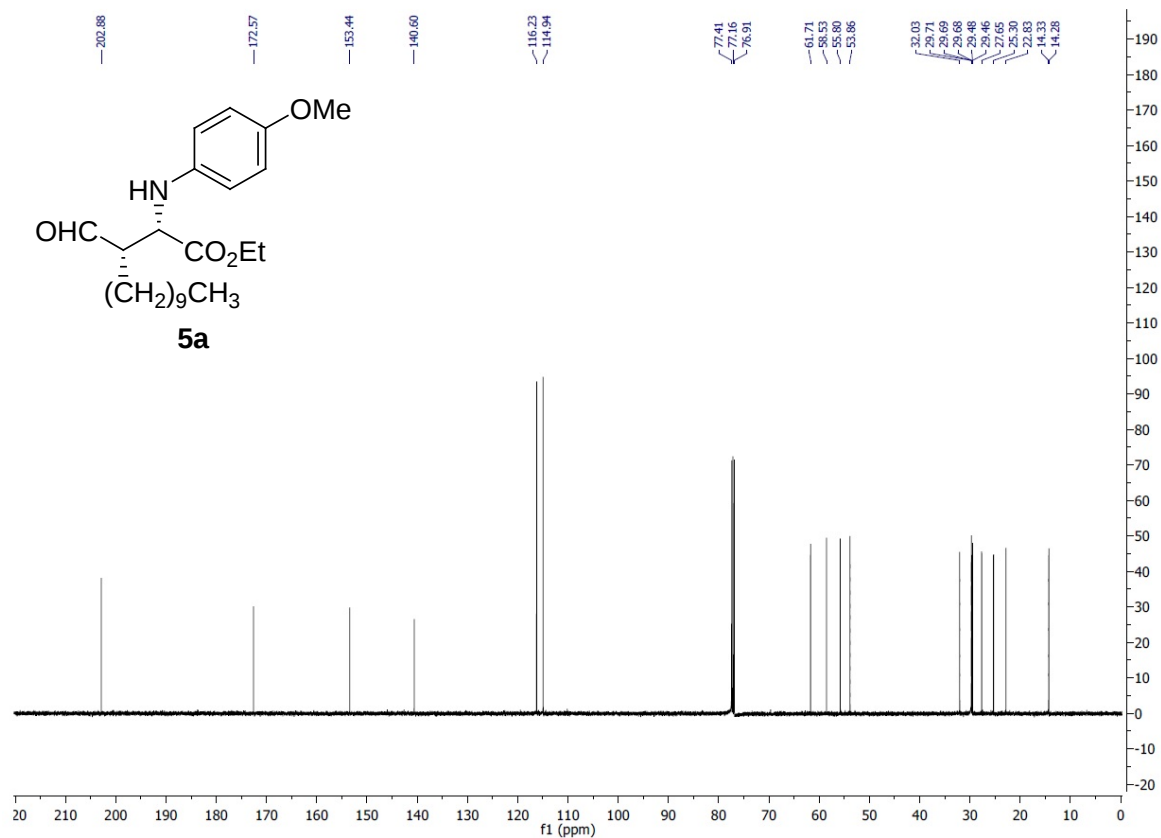
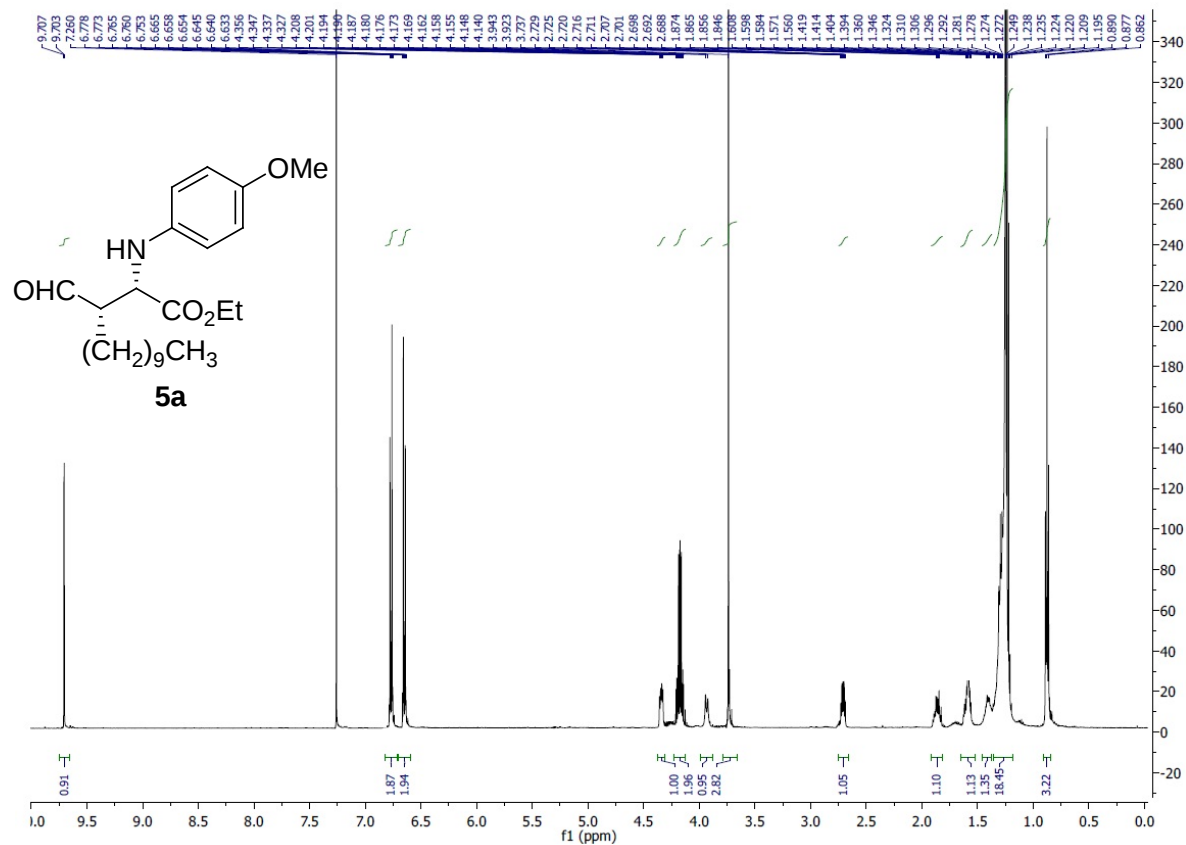
Sandun Perera, Debarshi Sinha, Nirmal K. Rana, Trieu Van, and John Cong-Gui Zhao*

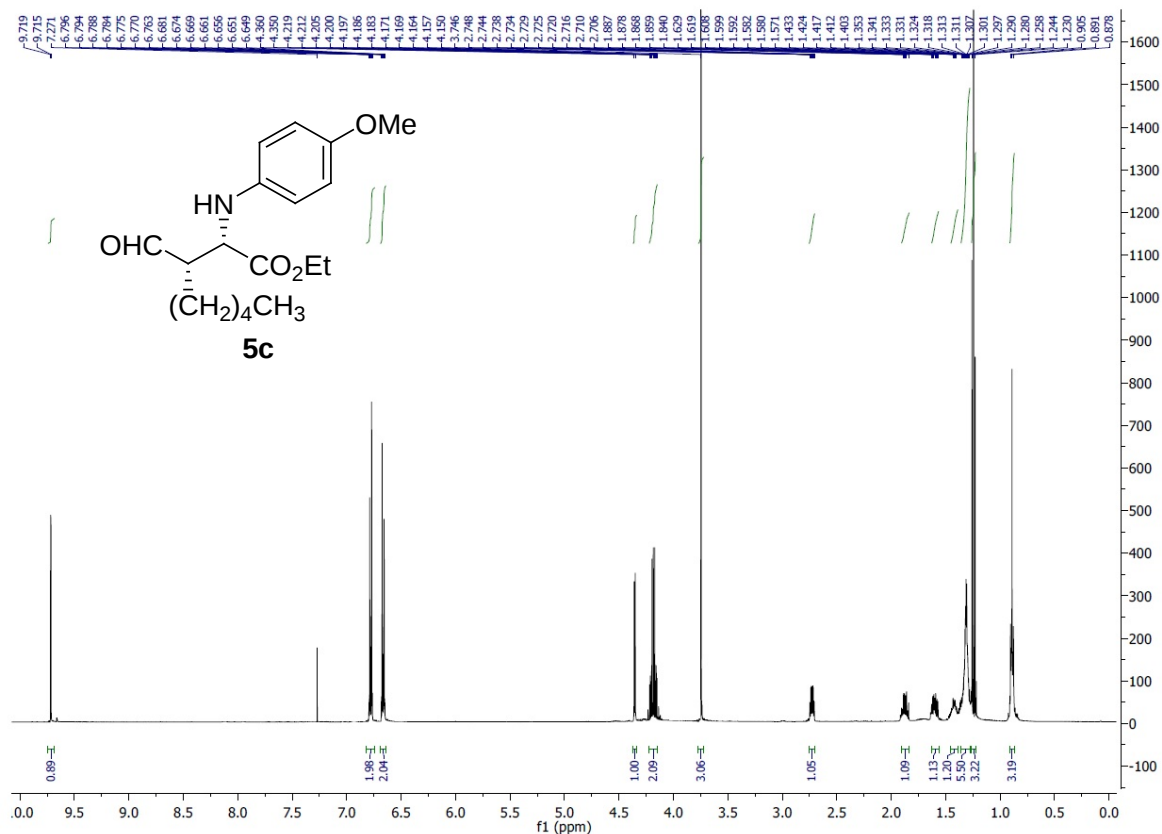
Department of Chemistry, University of Texas at San Antonio

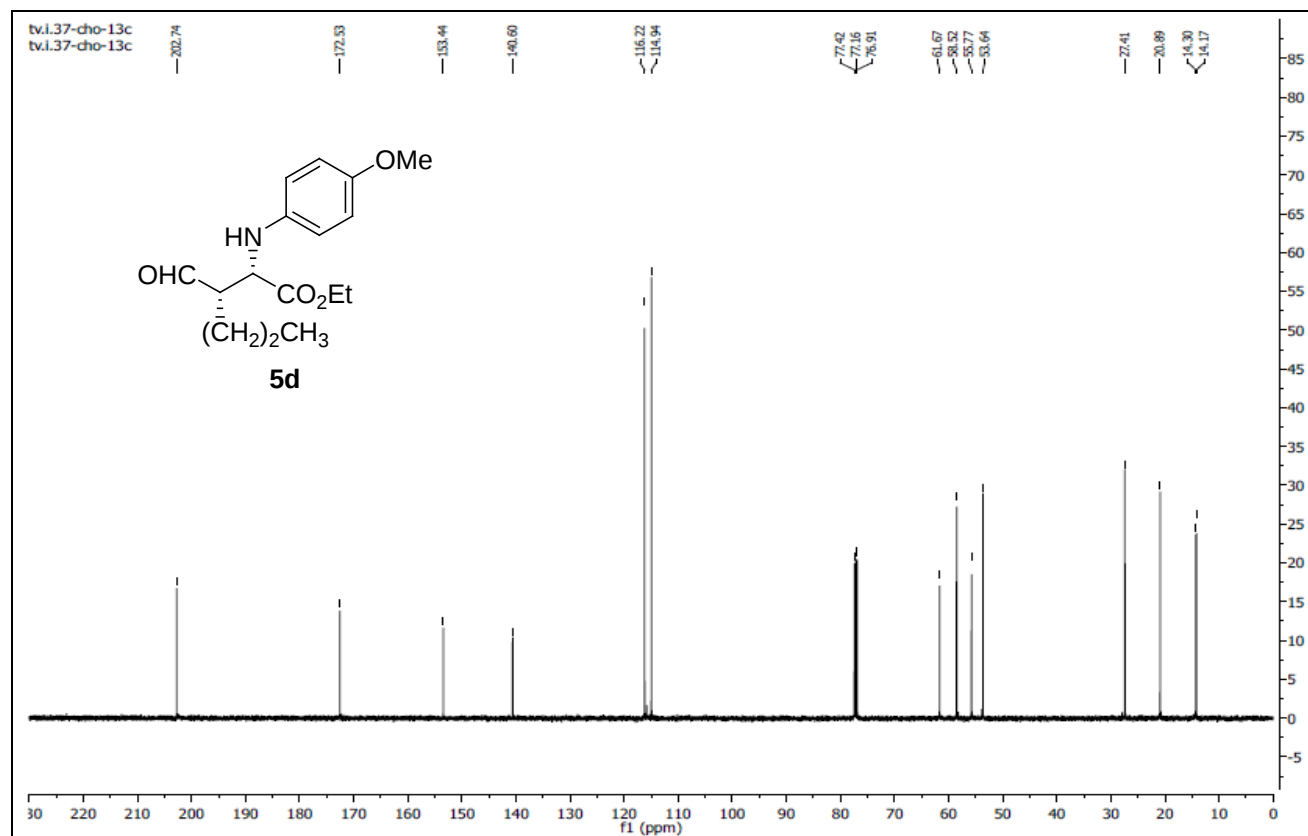
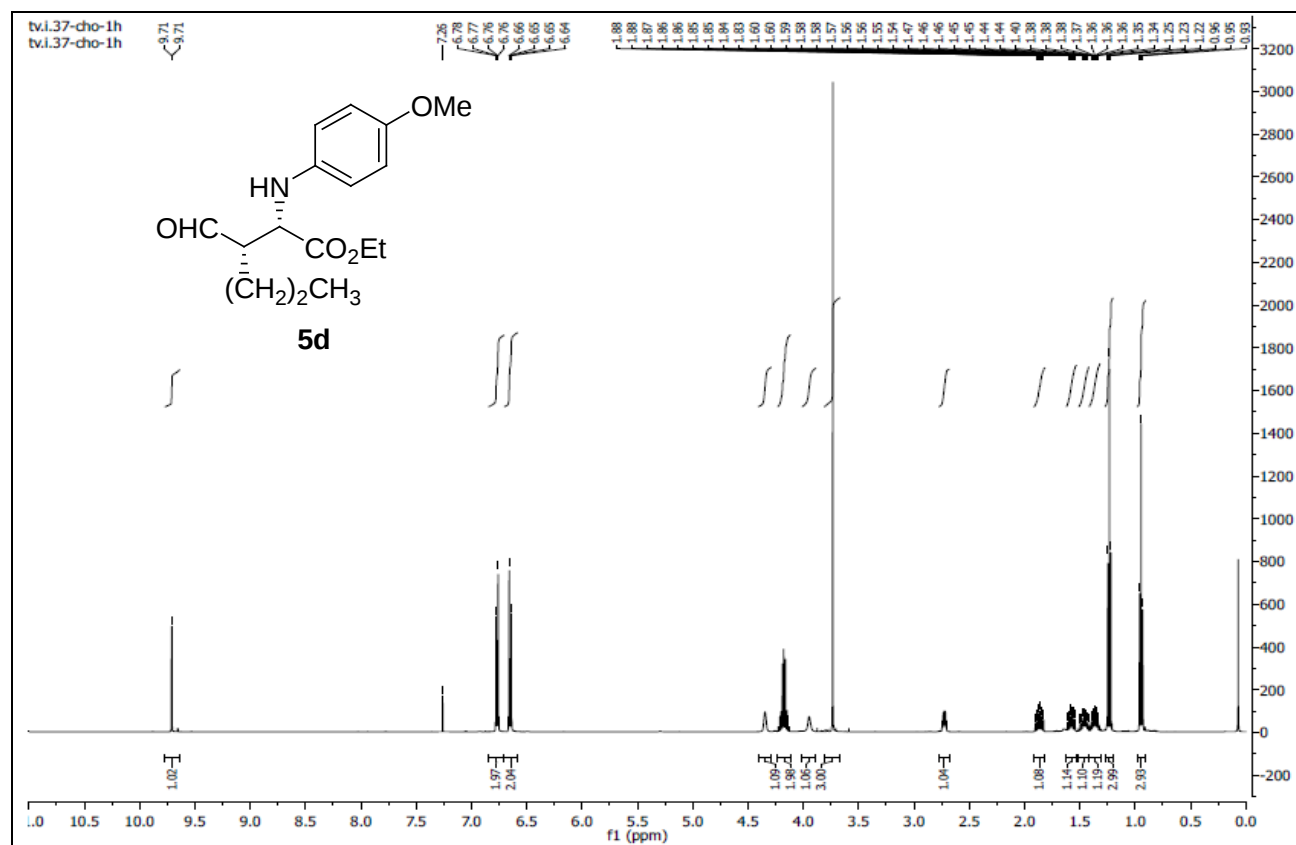
Supporting Information

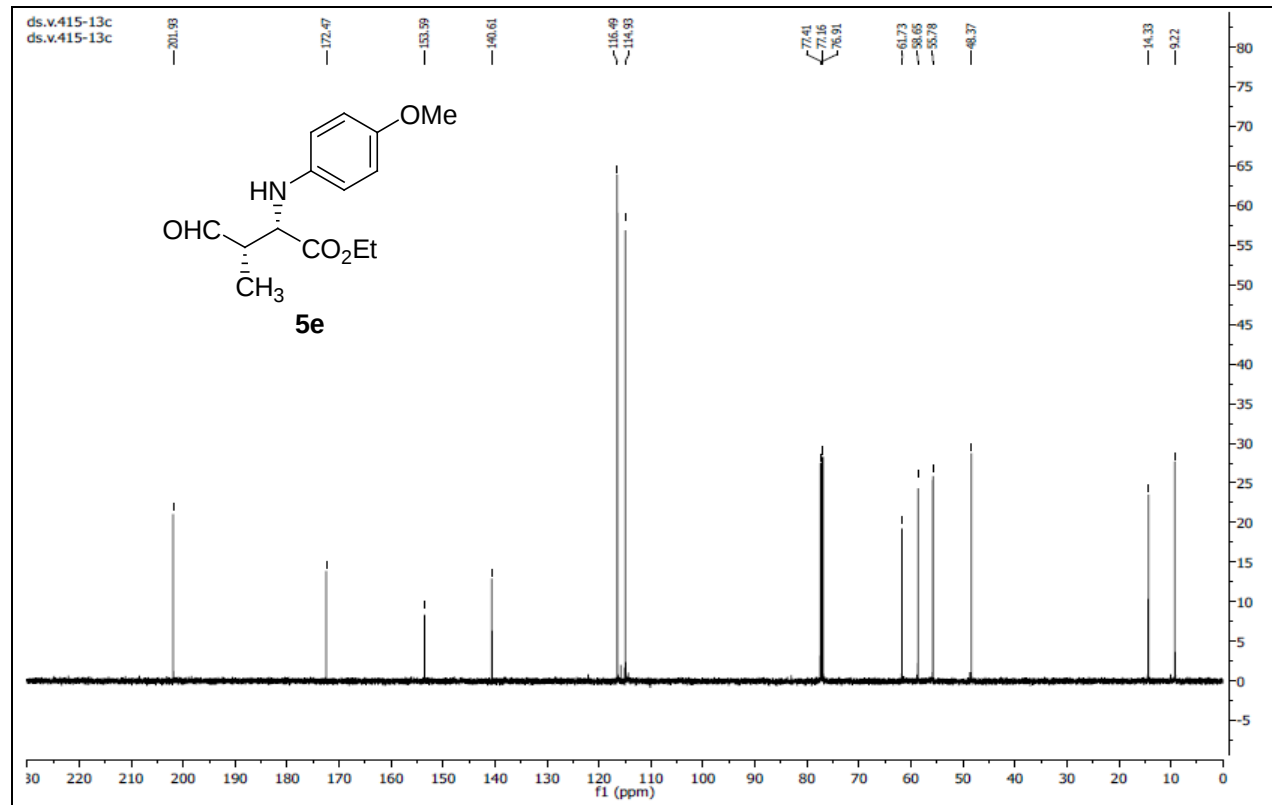
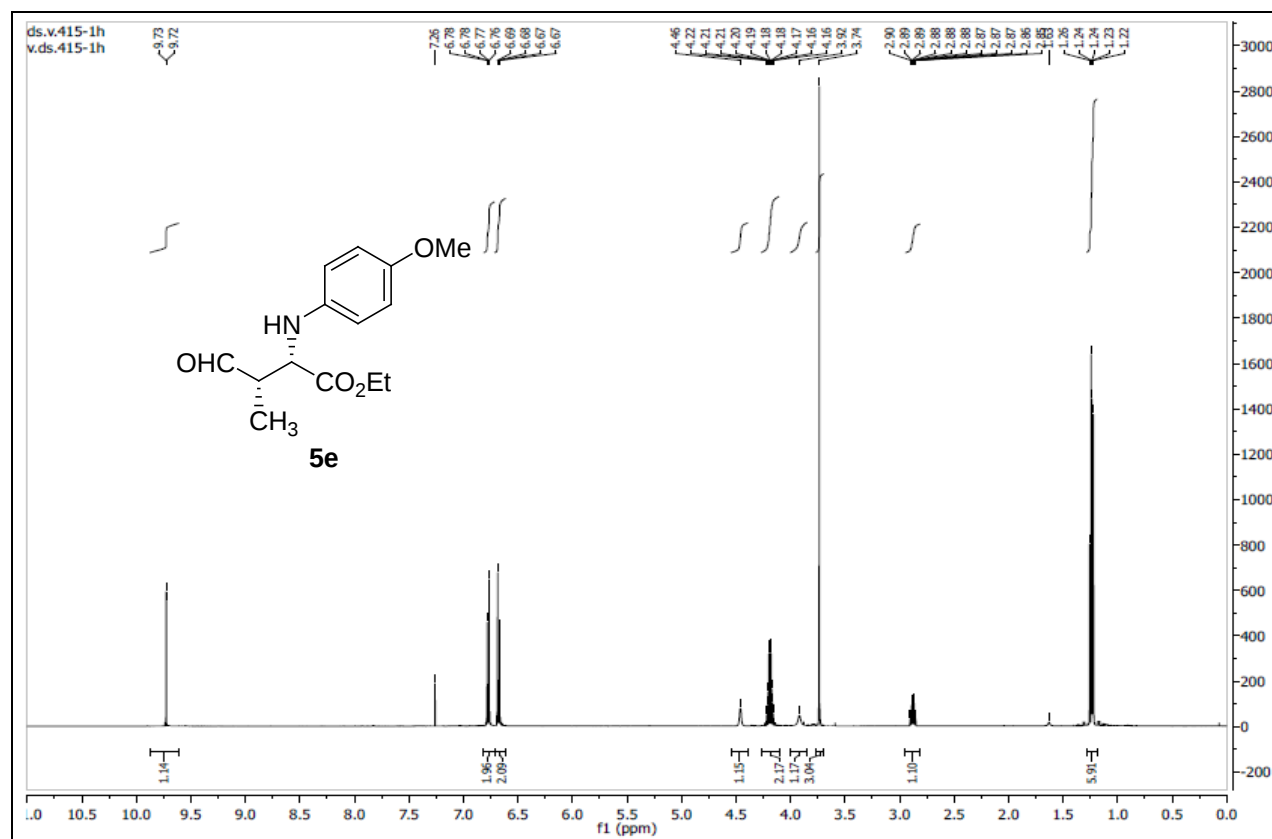
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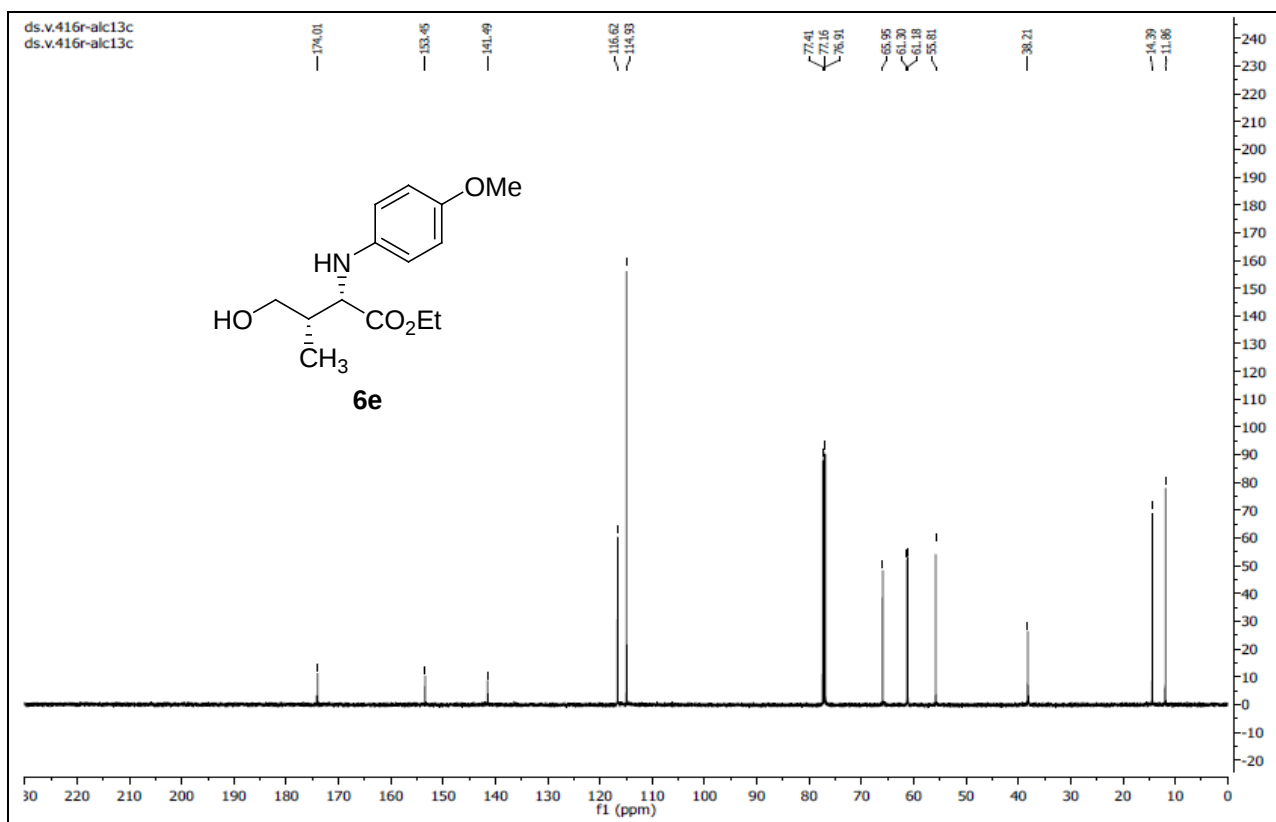
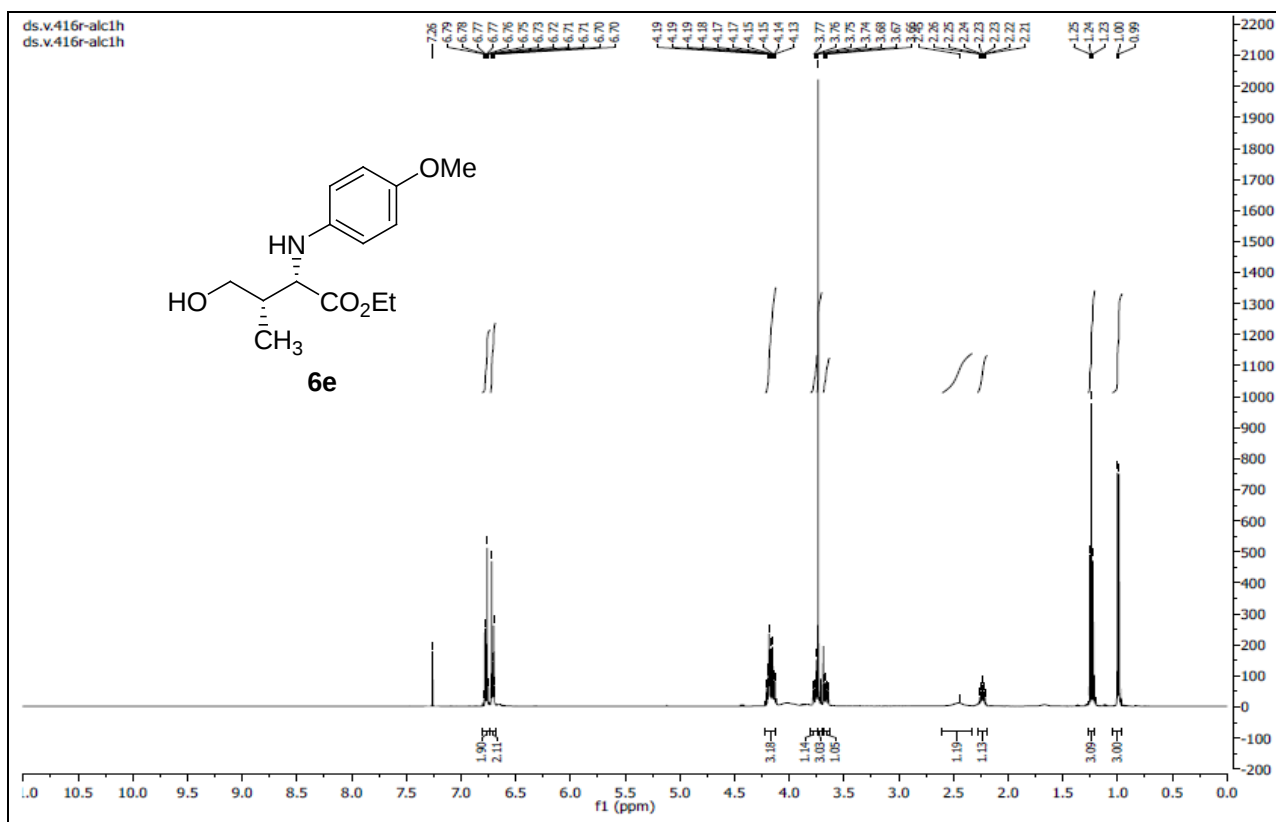
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Copies of HPLC Chromatograms	S-13

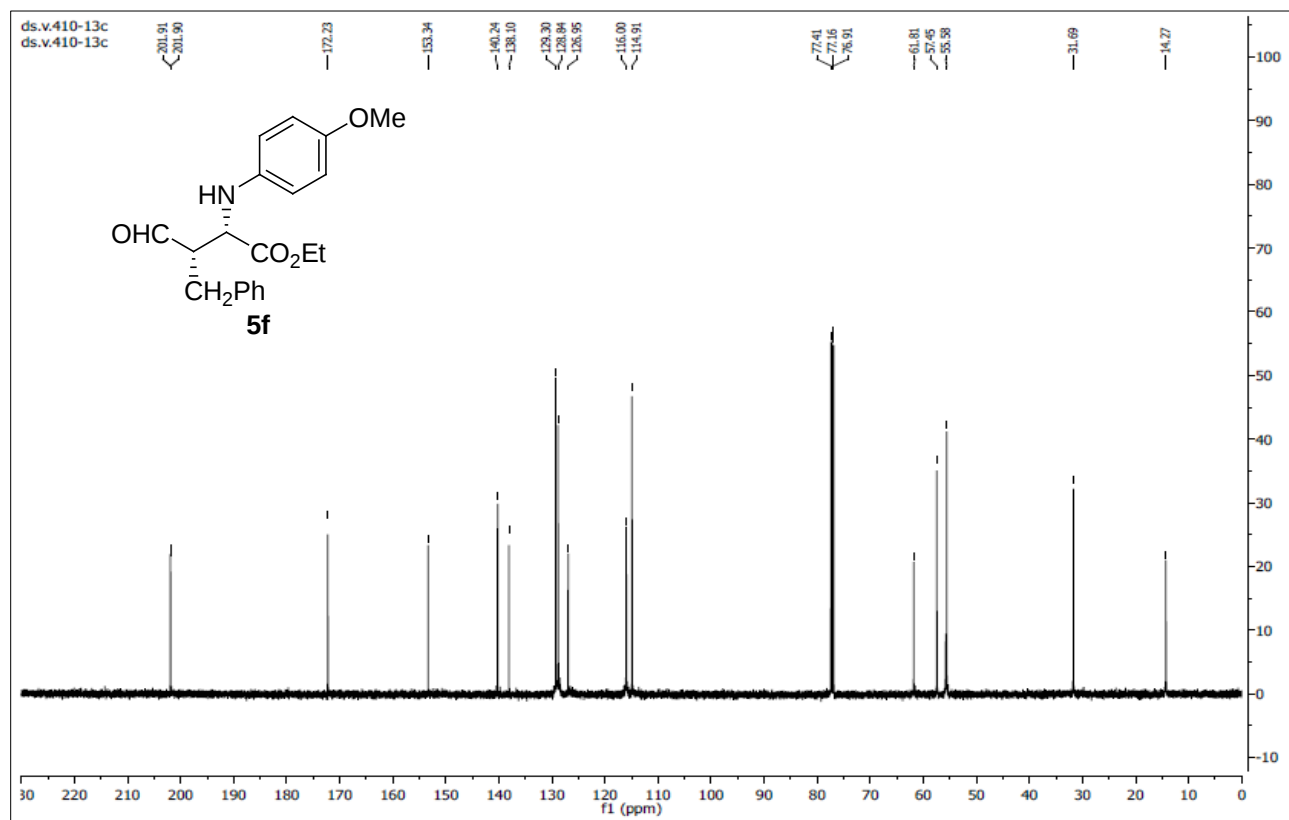
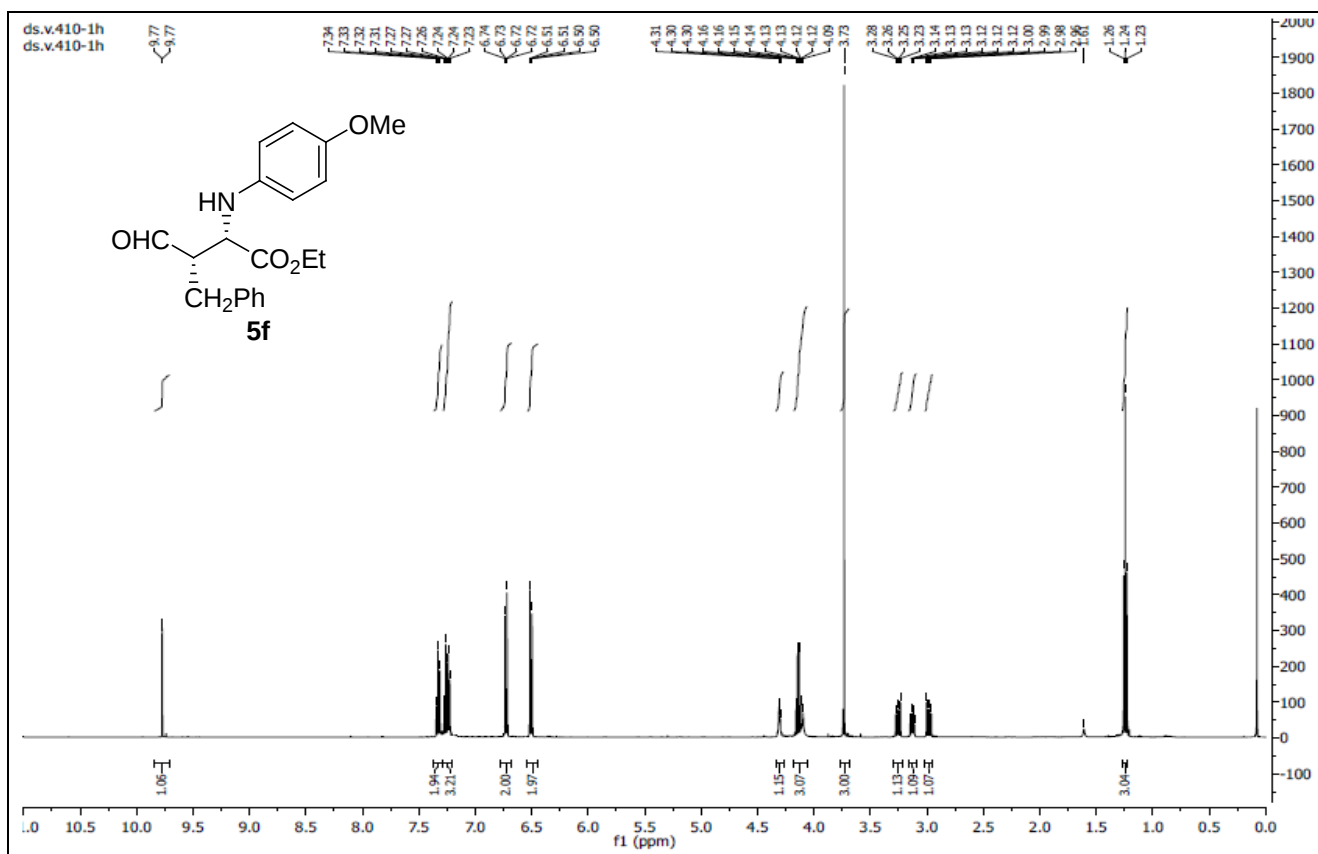


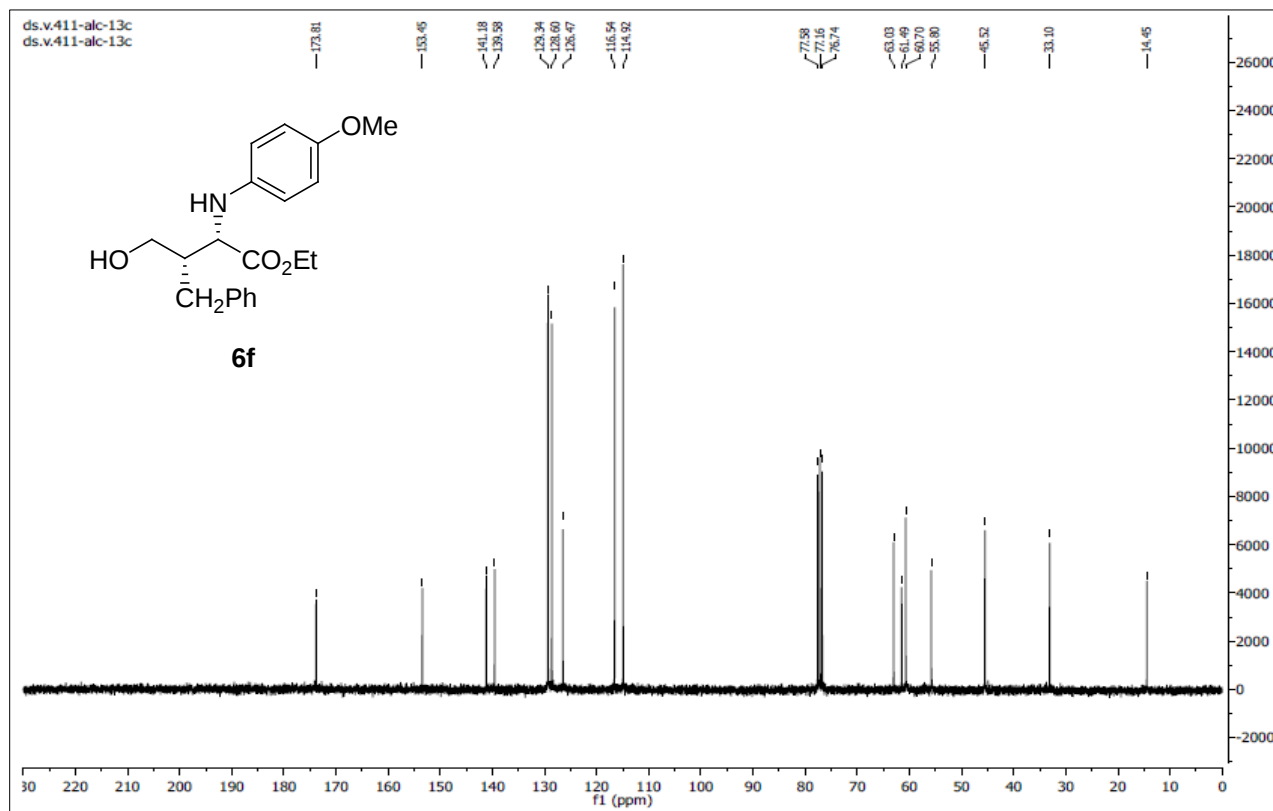
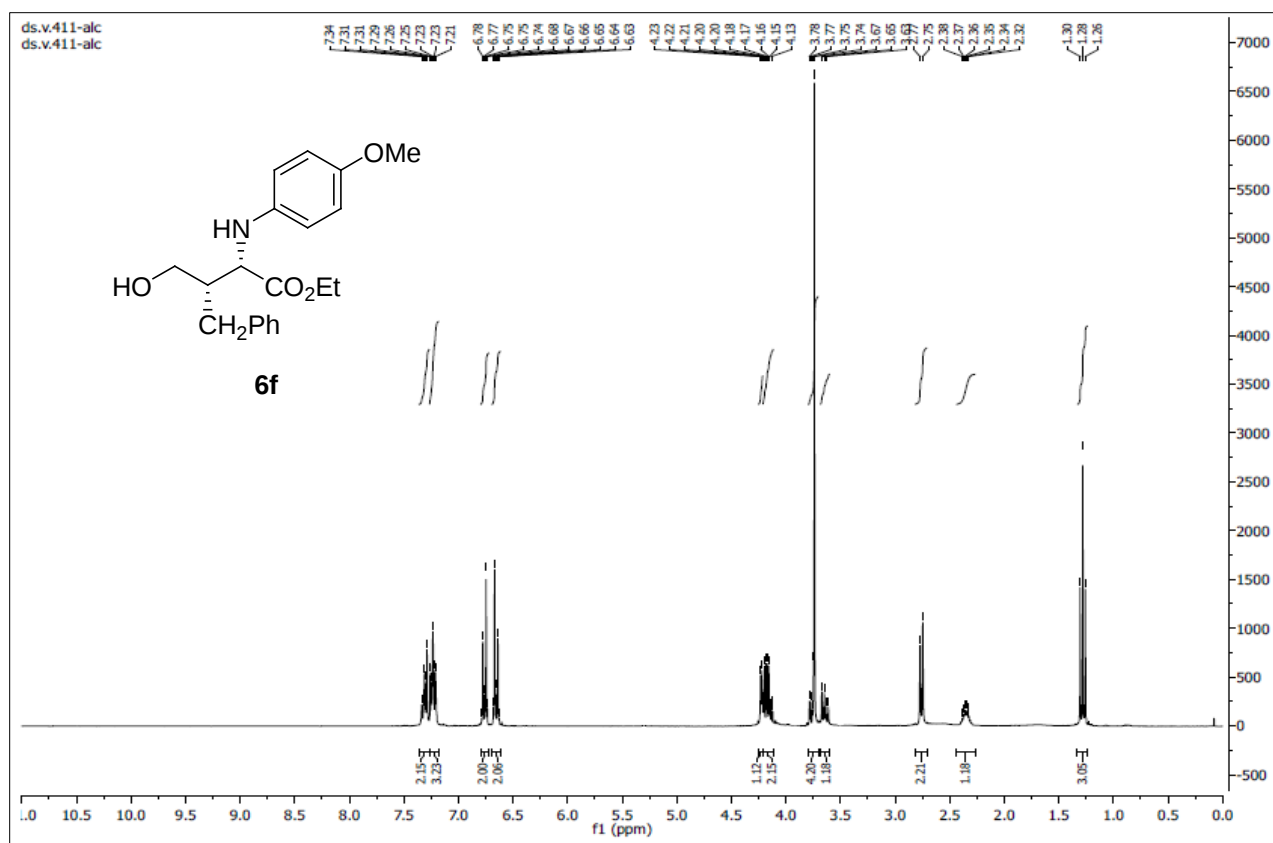


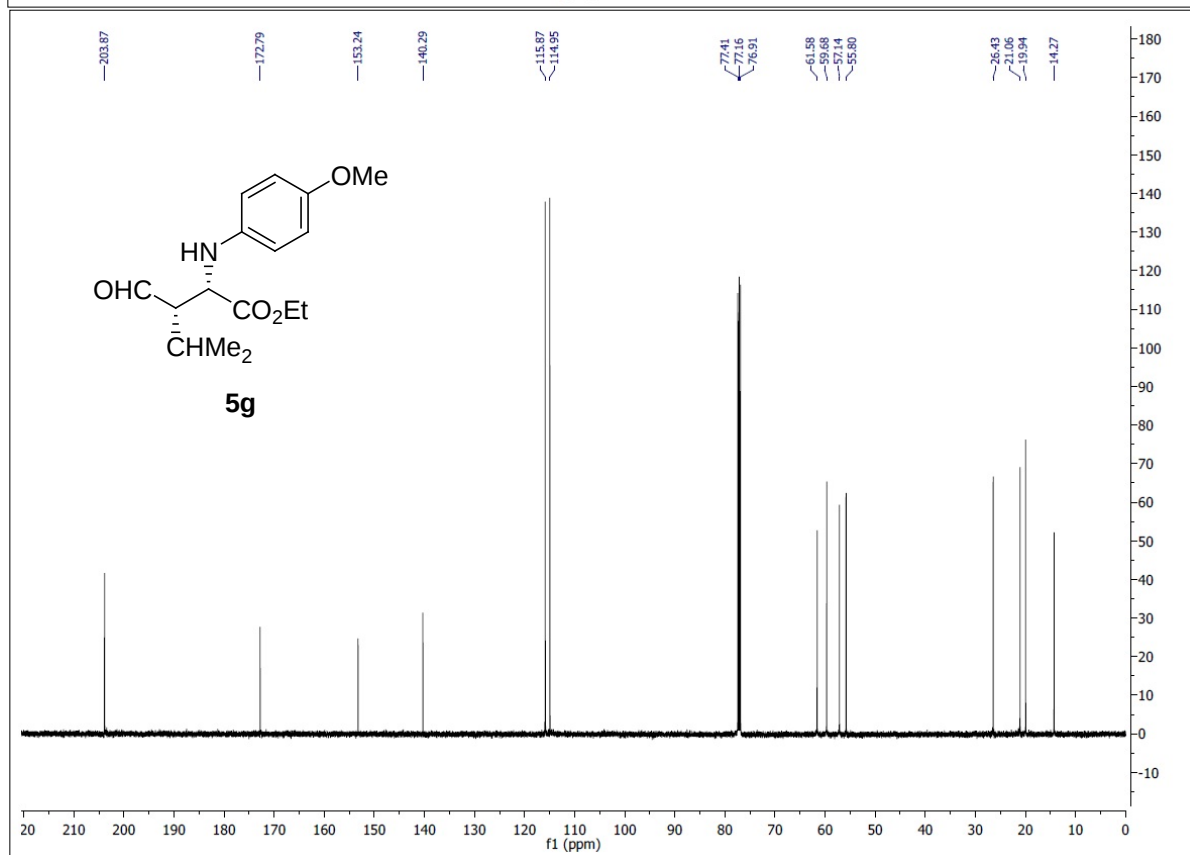
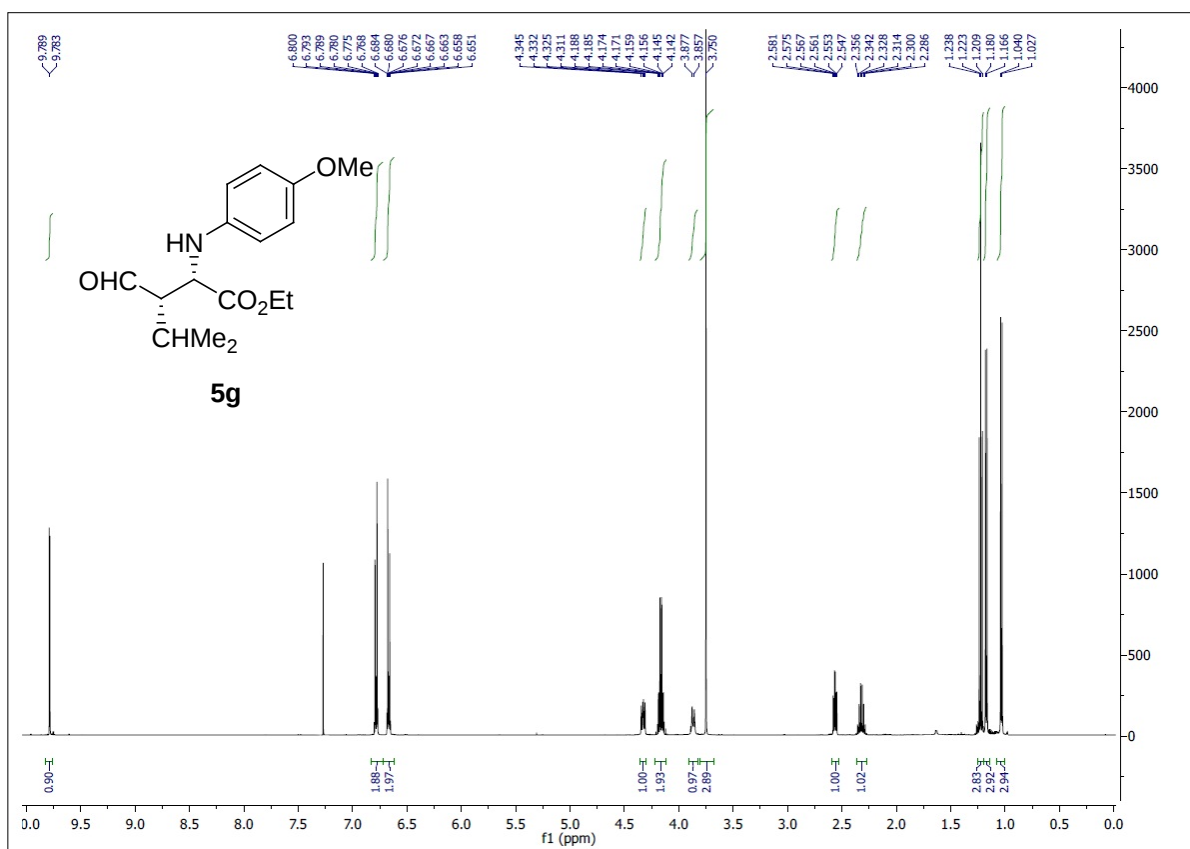


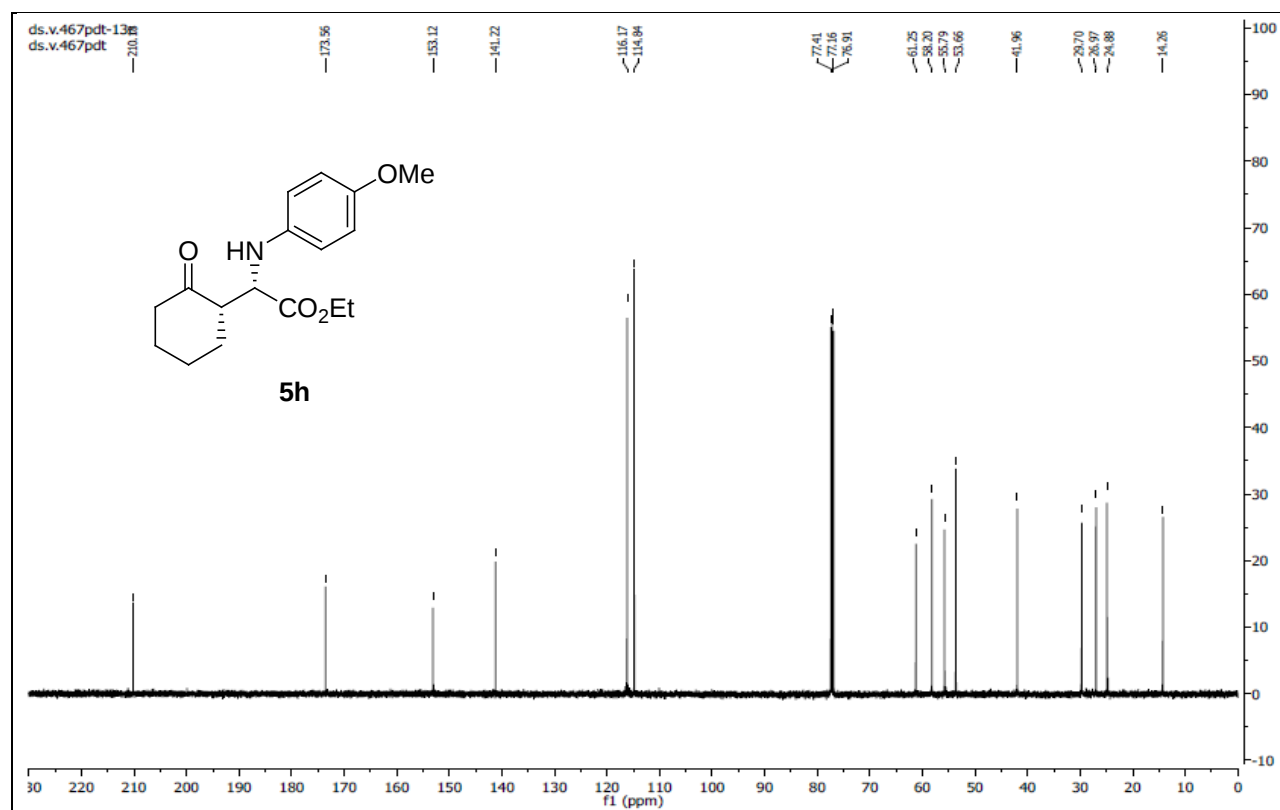
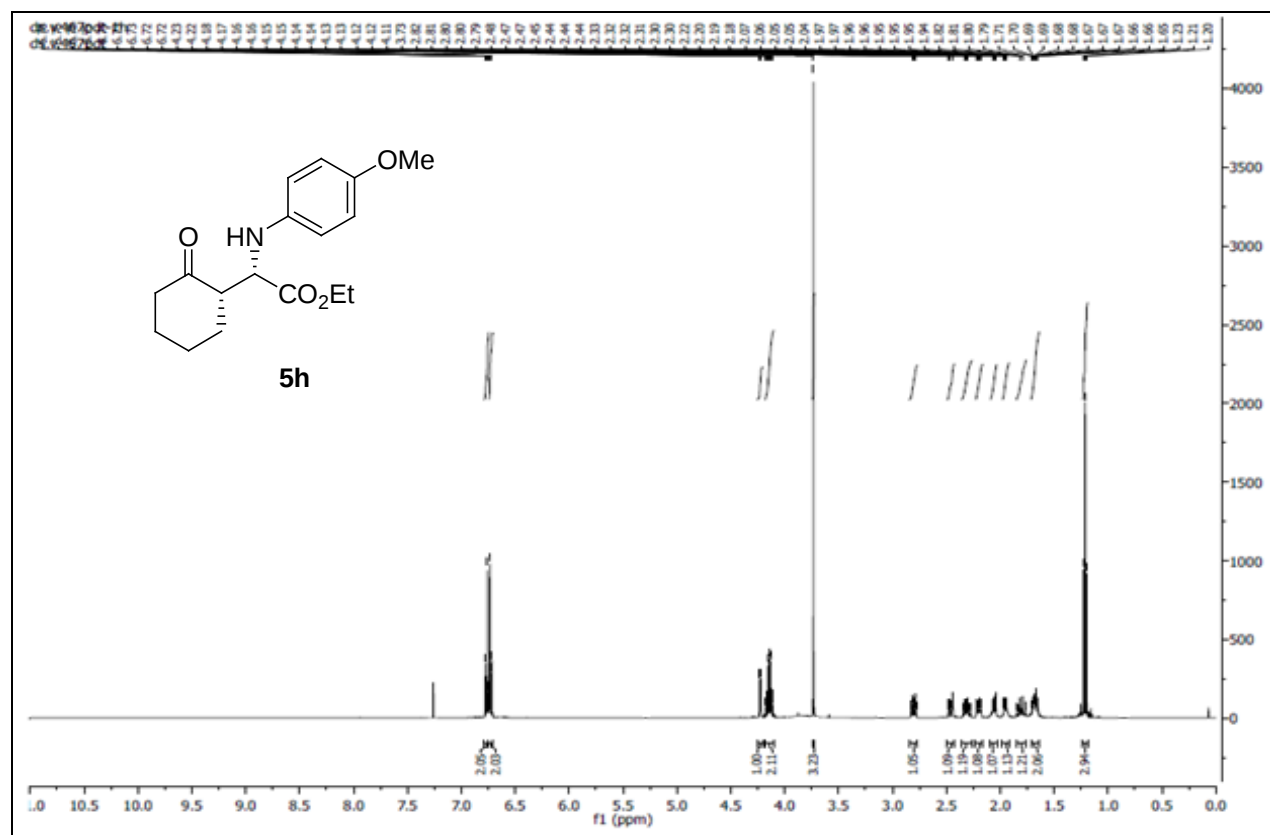


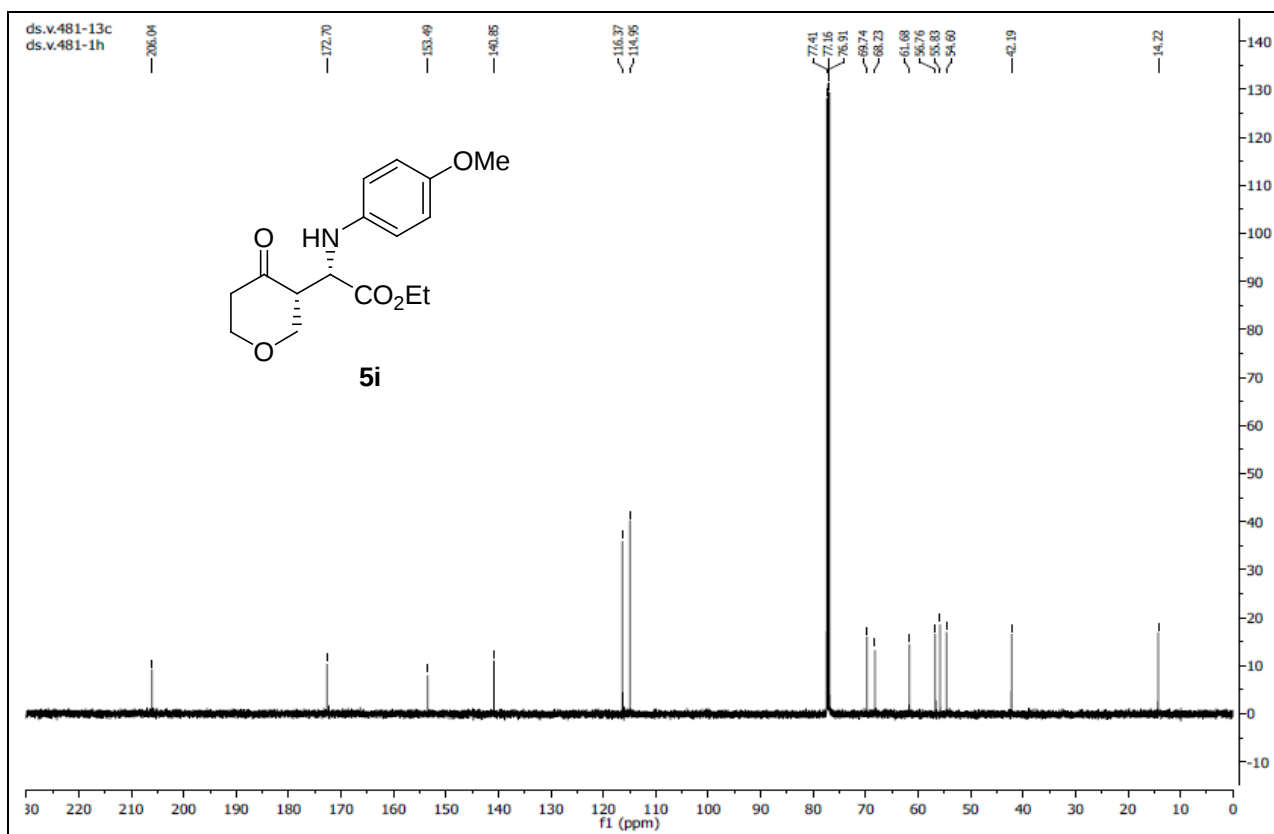
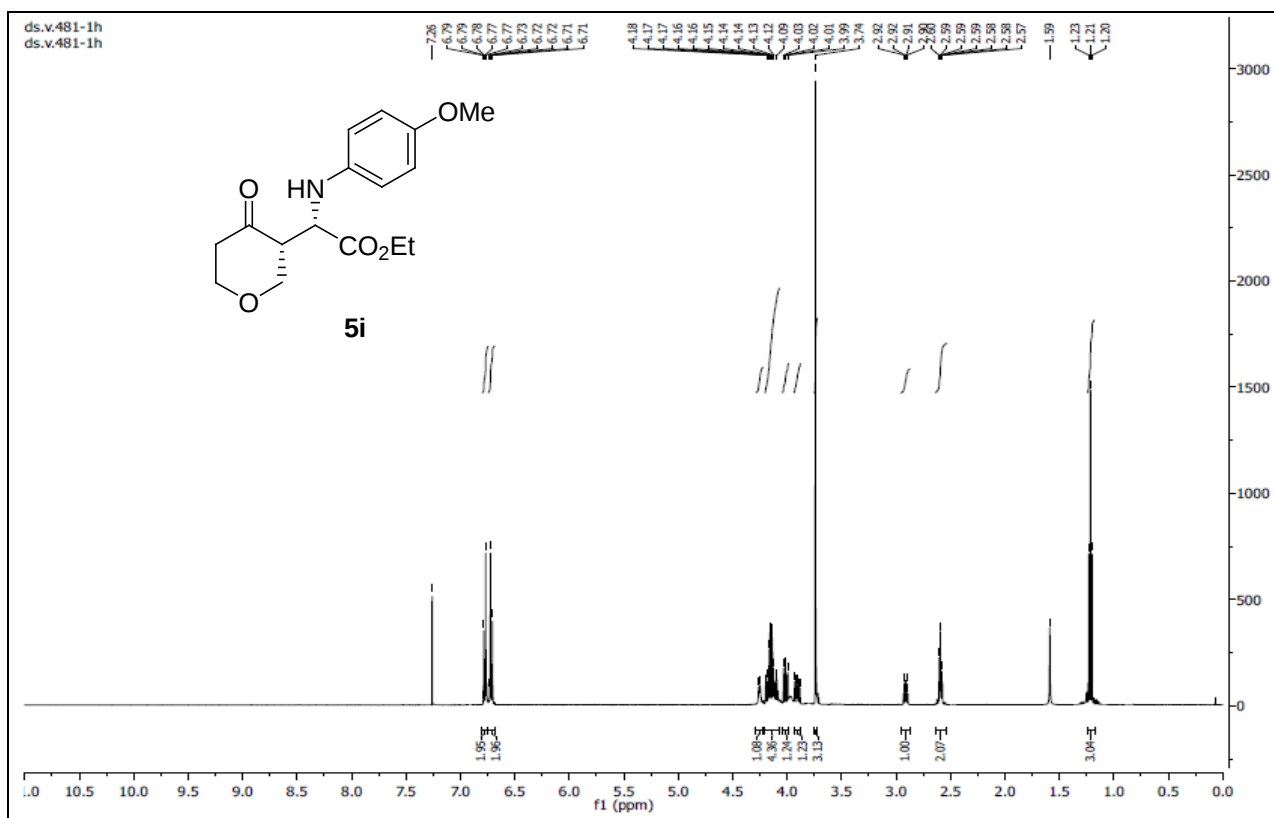


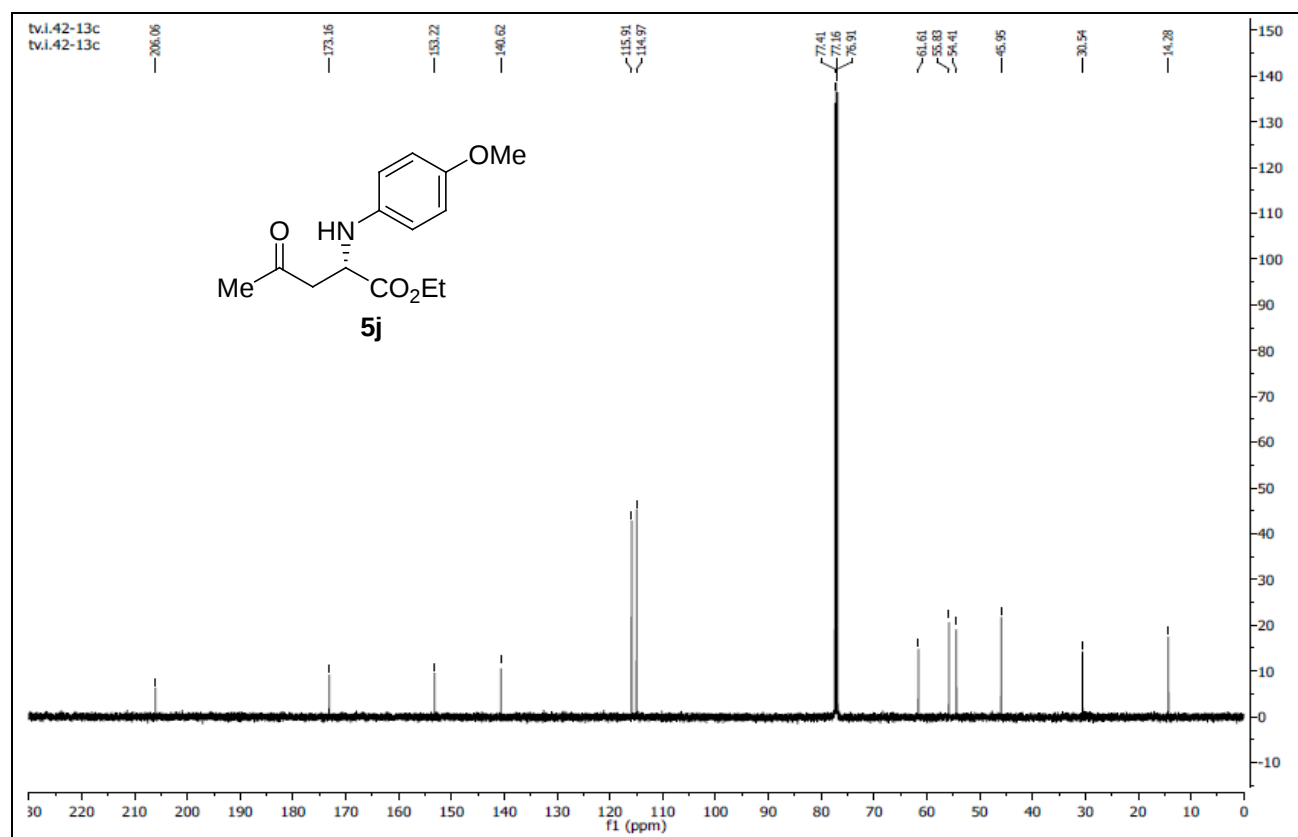
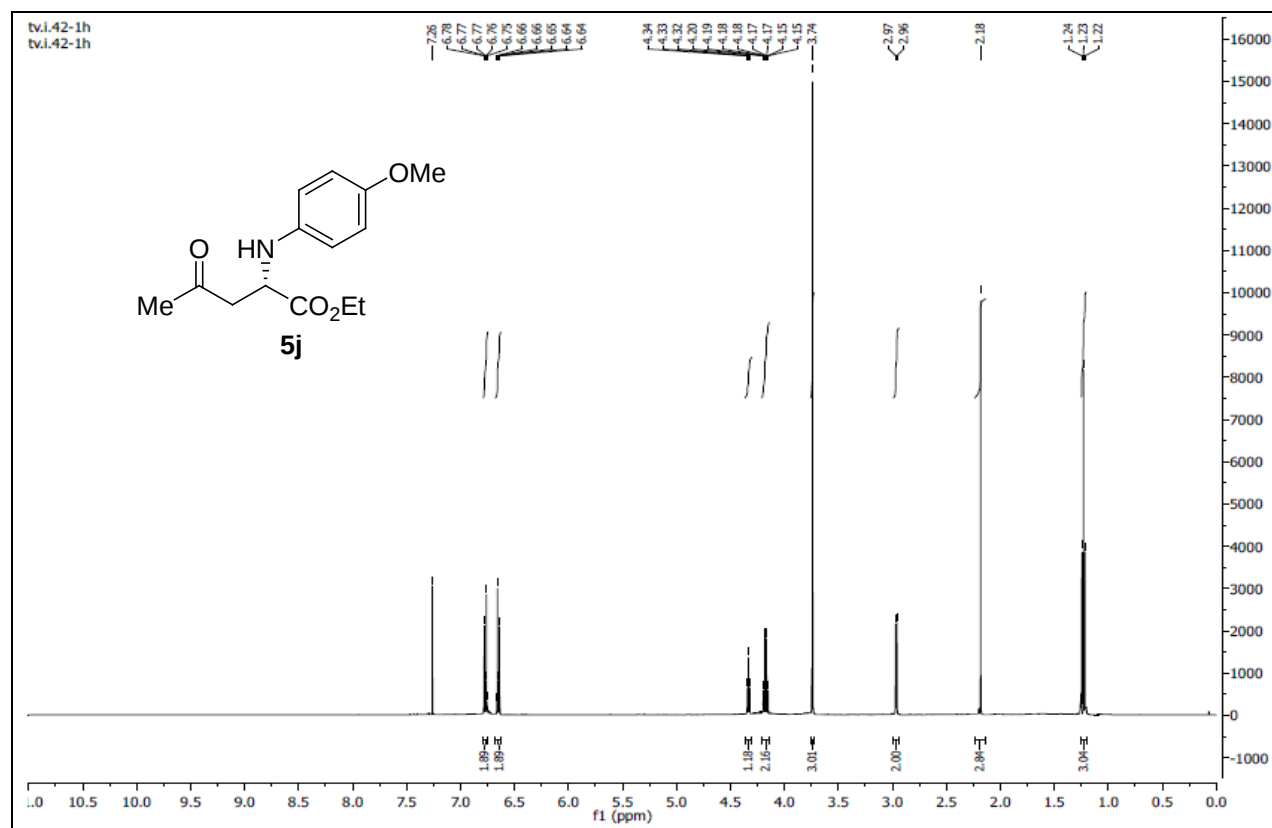






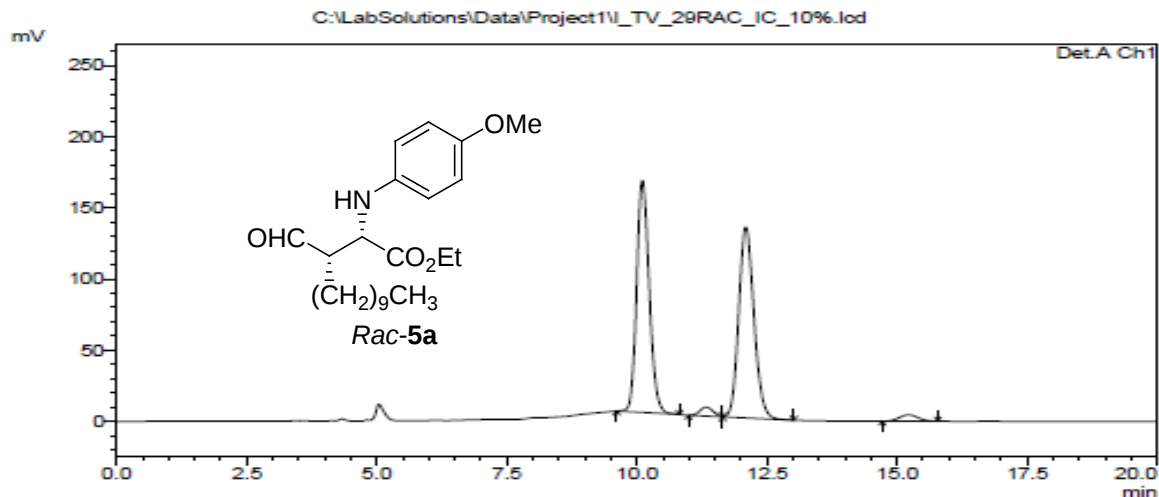






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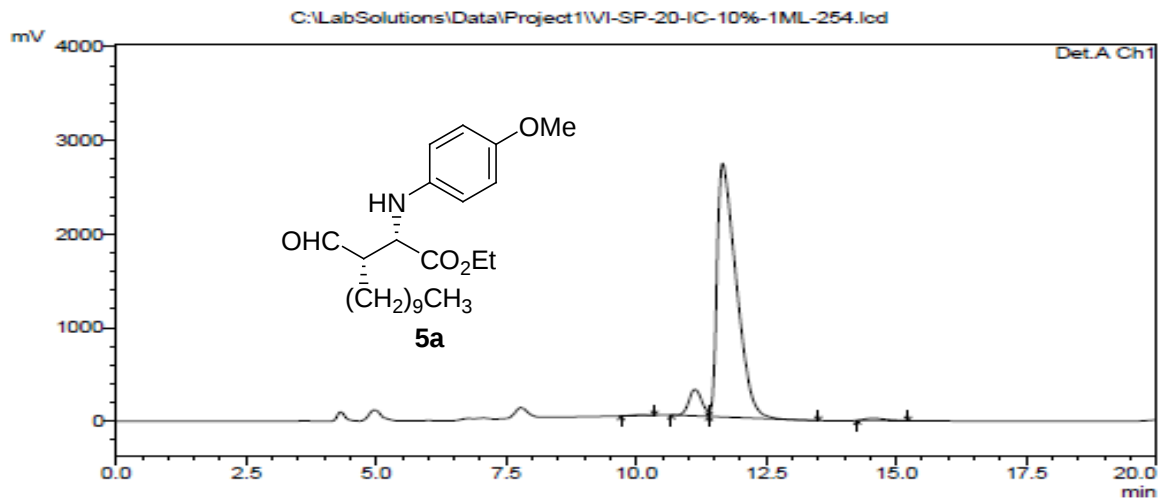


PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	10.101	2729159	162851	48.097	52.924
2	11.326	109808	6238	1.935	2.027
3	12.089	2724179	134134	48.009	43.591
4	15.215	111110	4485	1.958	1.458
Total		5674256	307708	100.000	100.000

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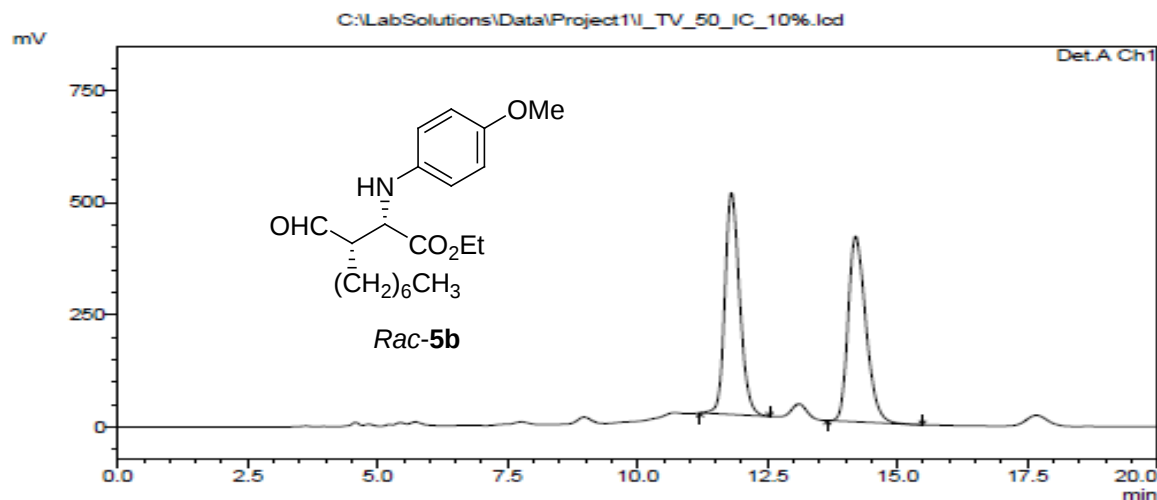


PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	10.049	122626	7464	0.164	0.247
2	11.126	4956019	283035	6.620	9.362
3	11.658	69109151	2708852	92.318	89.599
4	14.547	671826	23040	0.897	0.792
Total		74859622	3023291	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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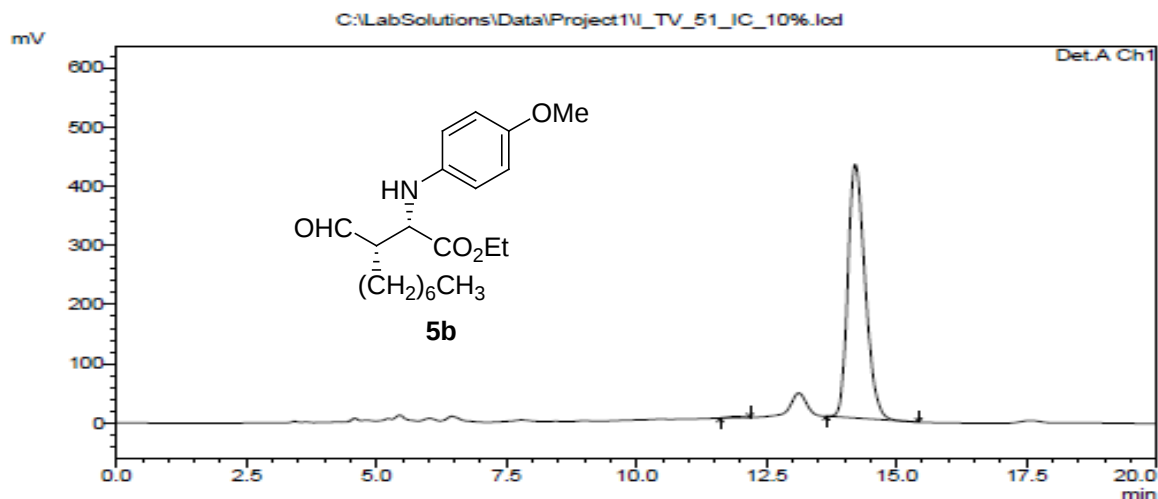


PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	11.803	9767625	493923	49.725	54.460
2	14.193	9875637	413032	50.275	45.540
Total		19643262	906955	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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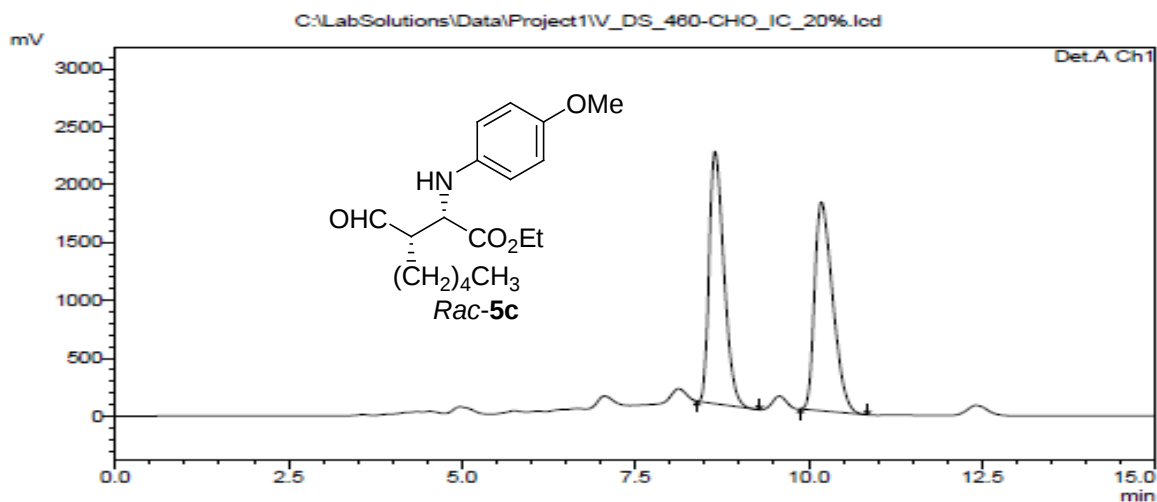


PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	11.901	34972	2118	0.352	0.492
2	14.204	9904647	428396	99.648	99.508
Total		9939619	430514	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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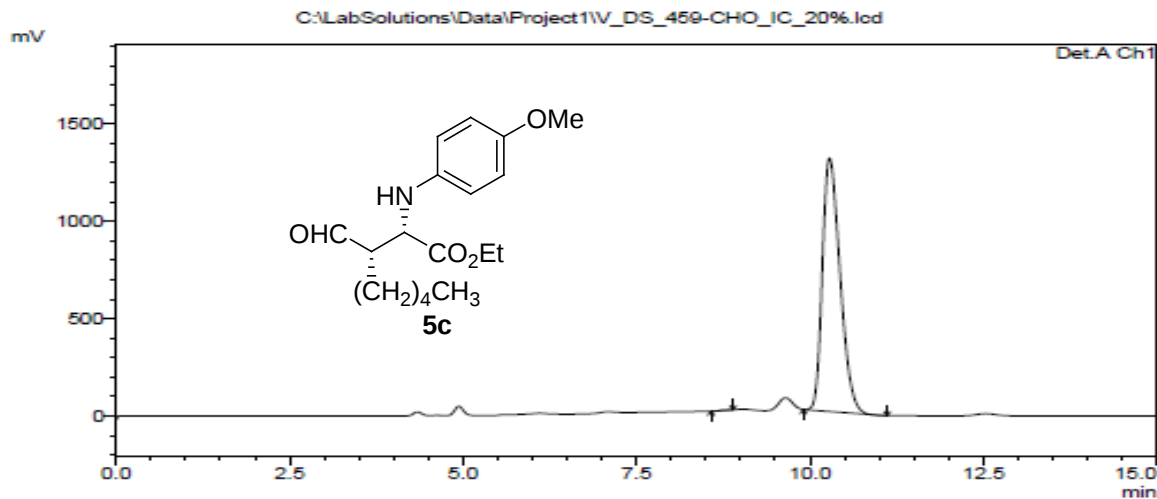
Detector A Ch1 254nm

PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	8.646	32217560	2179878	49.508	54.724
2	10.181	32858514	1803508	50.492	45.276
Total		65076074	3983385	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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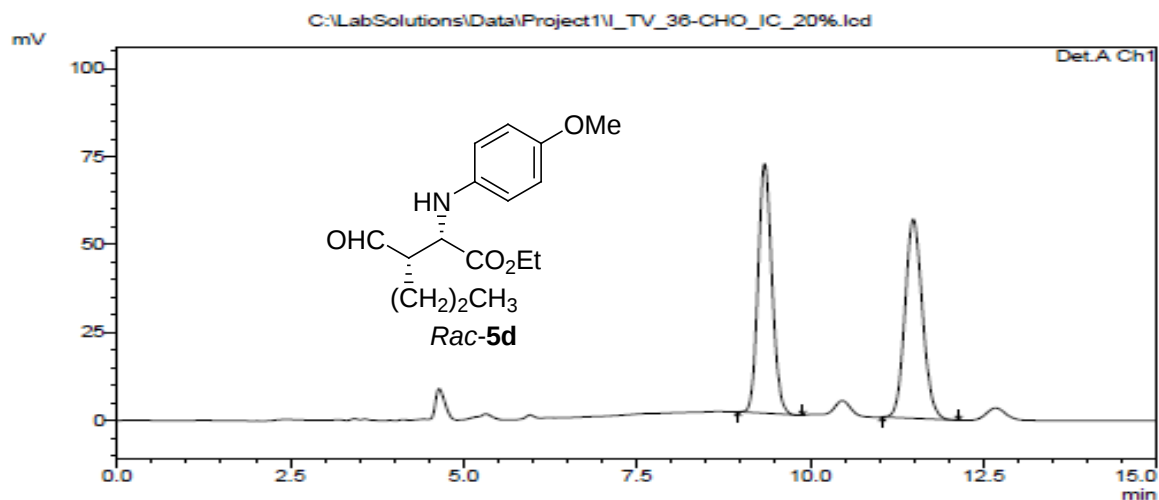
Detector A Ch1 254nm

PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	8.883	20888	78	0.090	0.006
2	10.280	23076755	1301667	99.910	99.994
Total		23097644	1301746	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

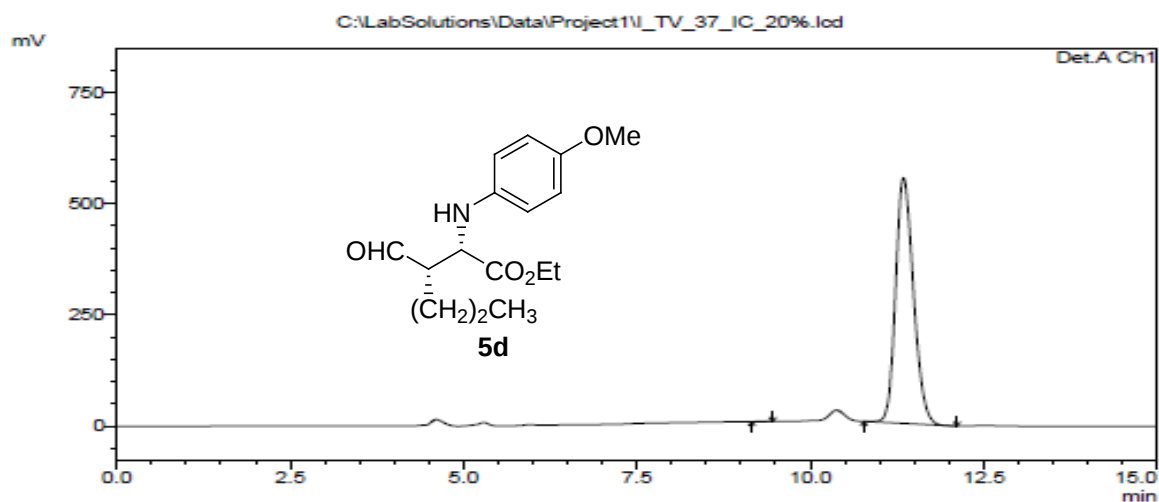
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	9.340	987038	70864	49.749	55.615
2	11.485	996982	56556	50.251	44.385
Total		1984020	127420	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

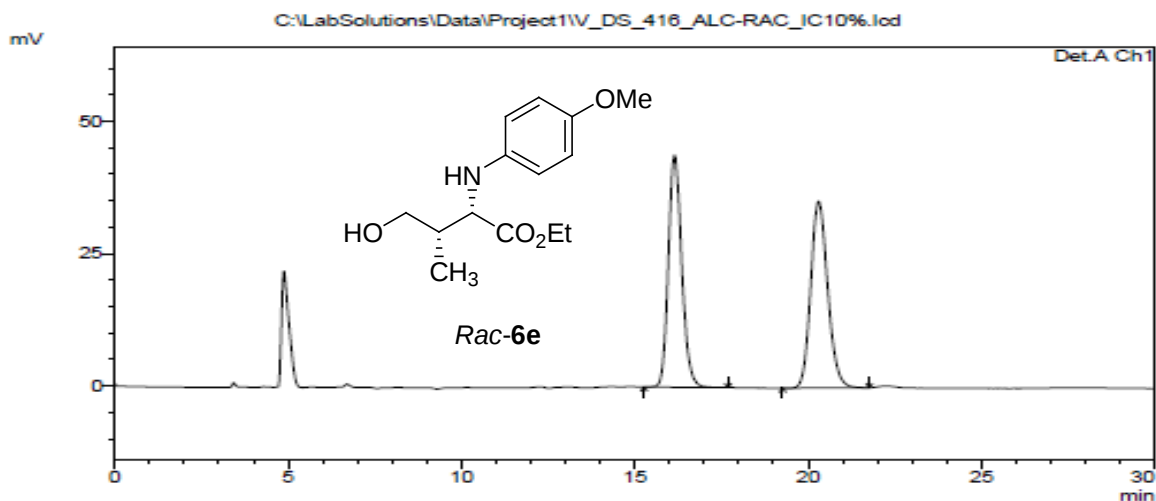
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	9.317	5828	538	0.059	0.097
2	11.342	9869828	551055	99.941	99.903
Total		9875657	551592	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

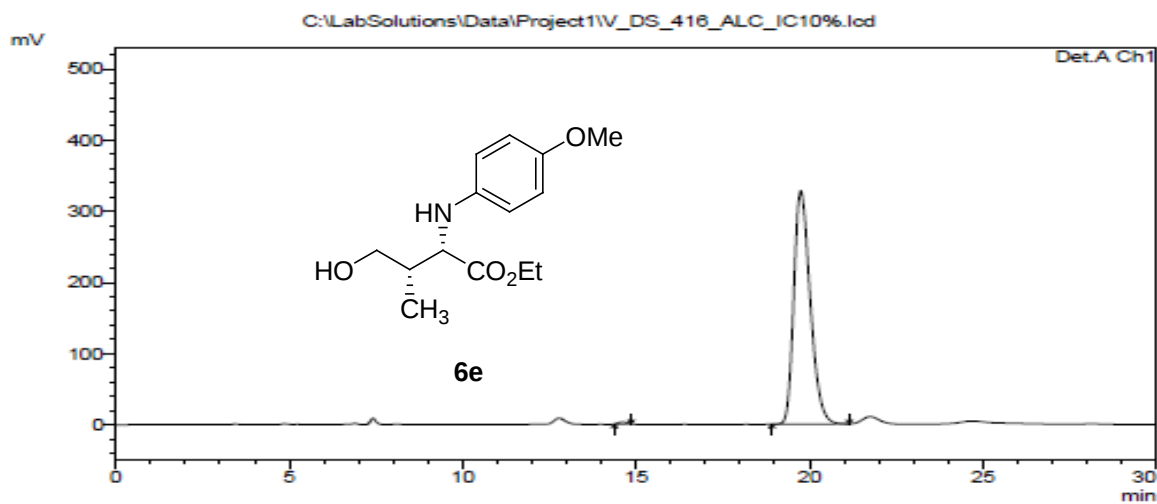
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	16.143	1178158	43807	49.507	55.414
2	20.300	1201643	35247	50.493	44.586
Total		2379801	79054	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

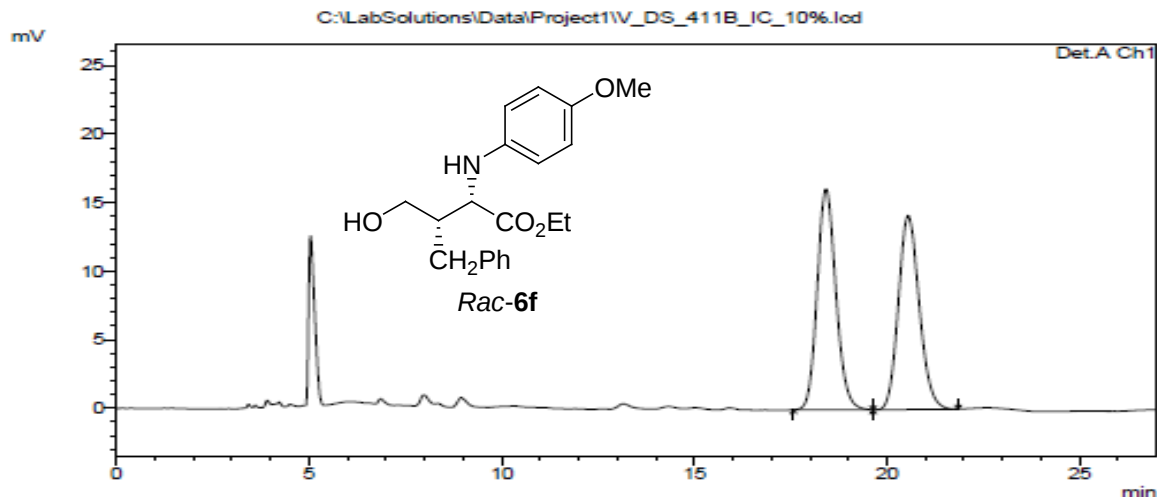
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	14.610	45511	2868	0.420	0.867
2	19.746	10794070	328024	99.580	99.133
Total		10839581	330892	100.000	100.000

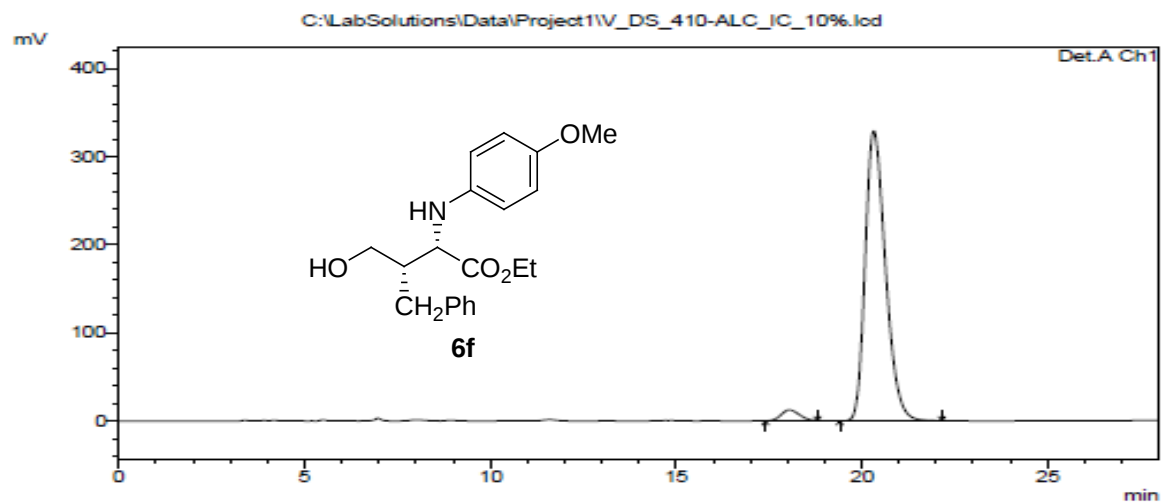
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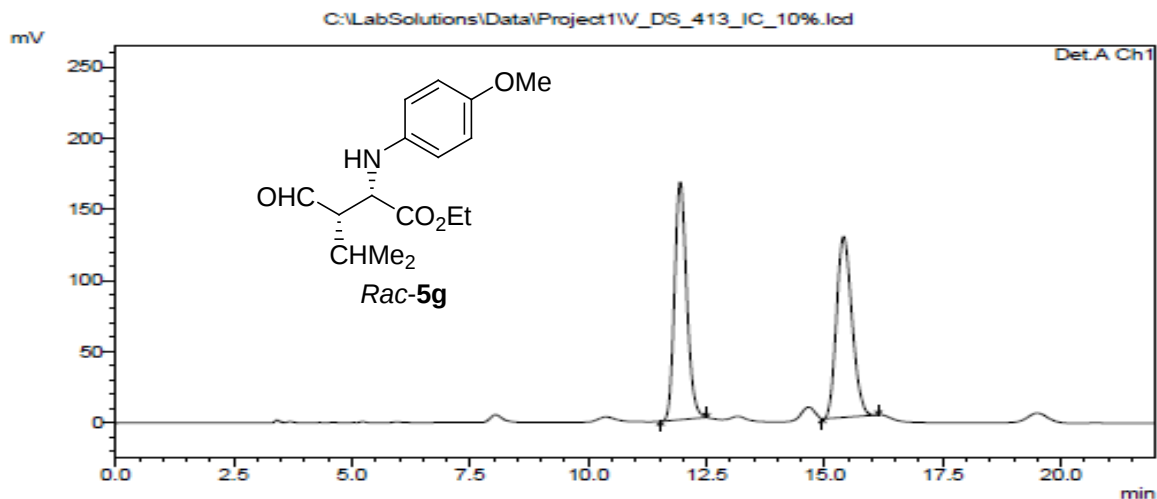
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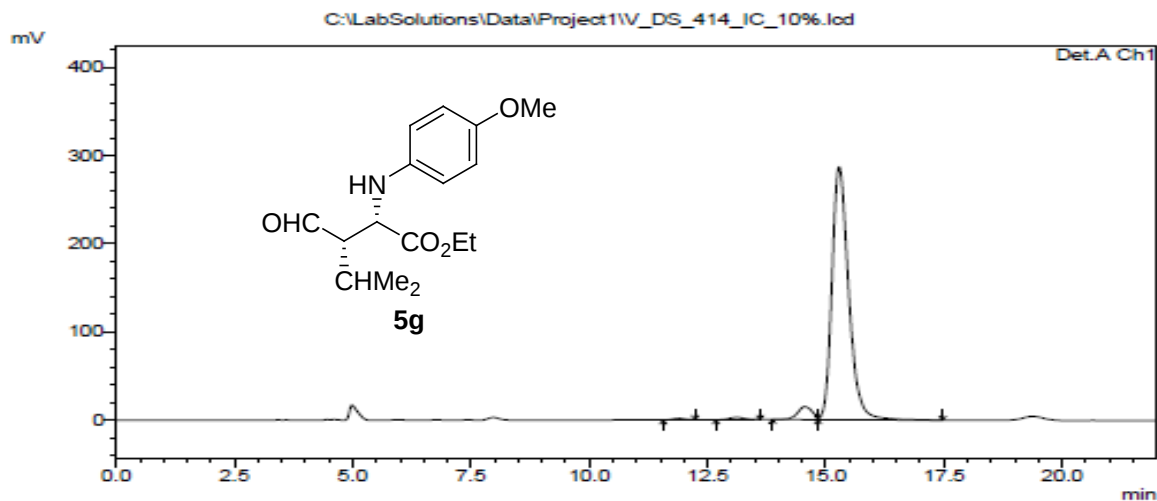
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	11.941	2992644	167181	50.757	56.806
2	15.398	2903418	127119	49.243	43.194
Total		5896062	294300	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

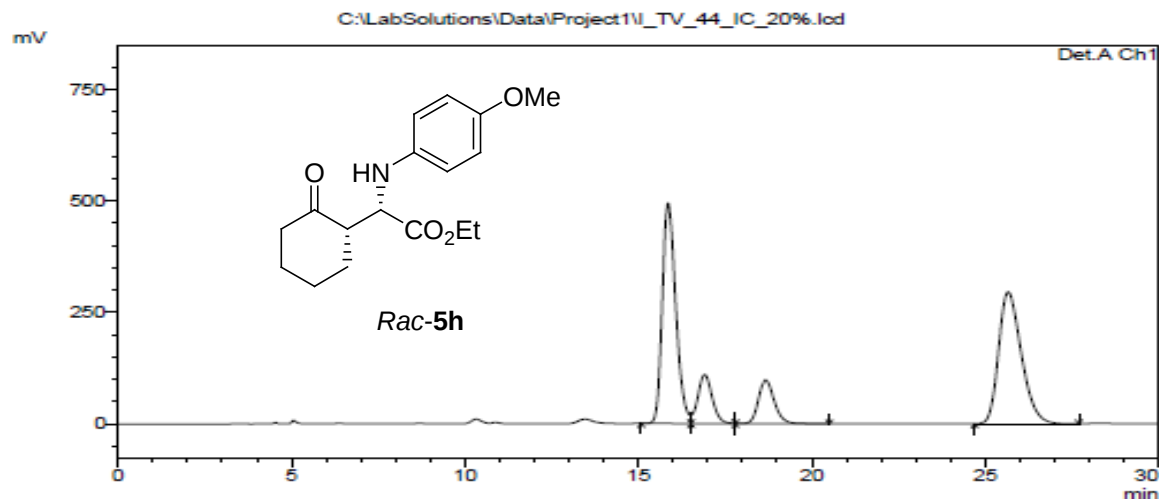
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PeakTable					
Peak#	Ret. Time	Area	Height	Area %	Height %
1	11.889	29582	1706	0.395	0.557
2	13.115	58974	2716	0.788	0.887
3	14.566	324137	15017	4.331	4.905
4	15.282	7072012	286714	94.486	93.651
Total		7484704	306153	100.000	100.000

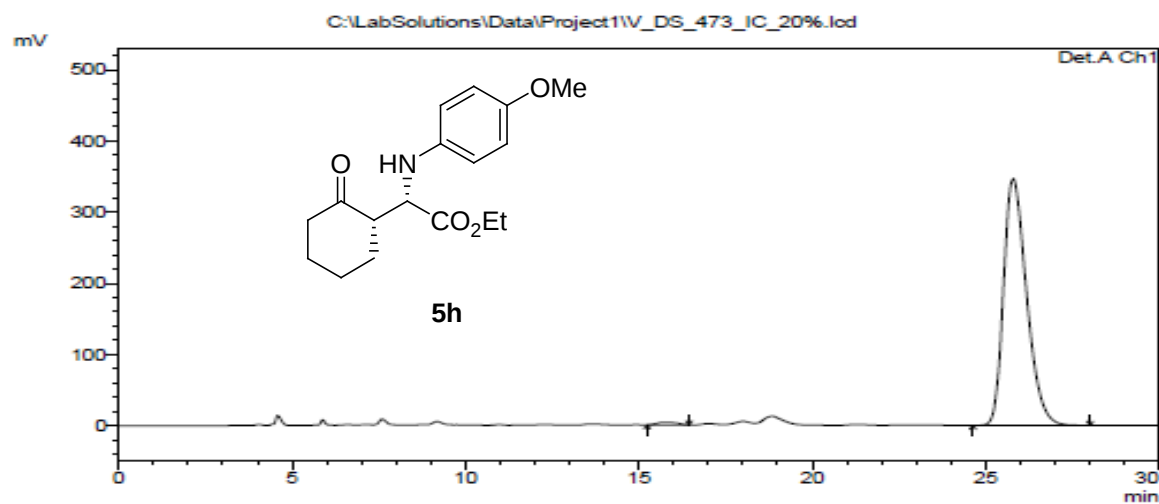
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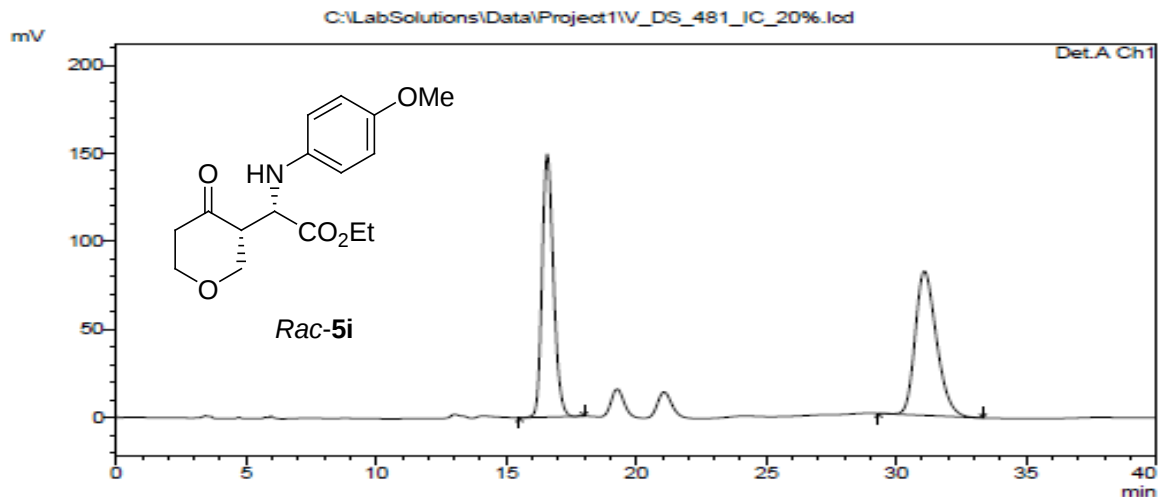
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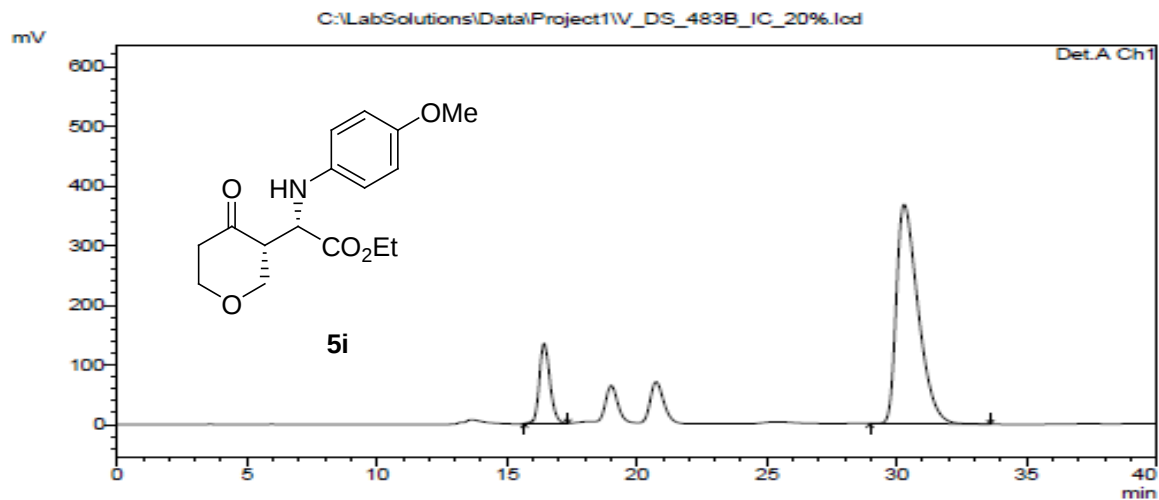
Detector A Ch1 254nm

PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	16.572	4550574	149236	49.338	64.576
2	31.080	4672700	81865	50.662	35.424
Total		9223274	231101	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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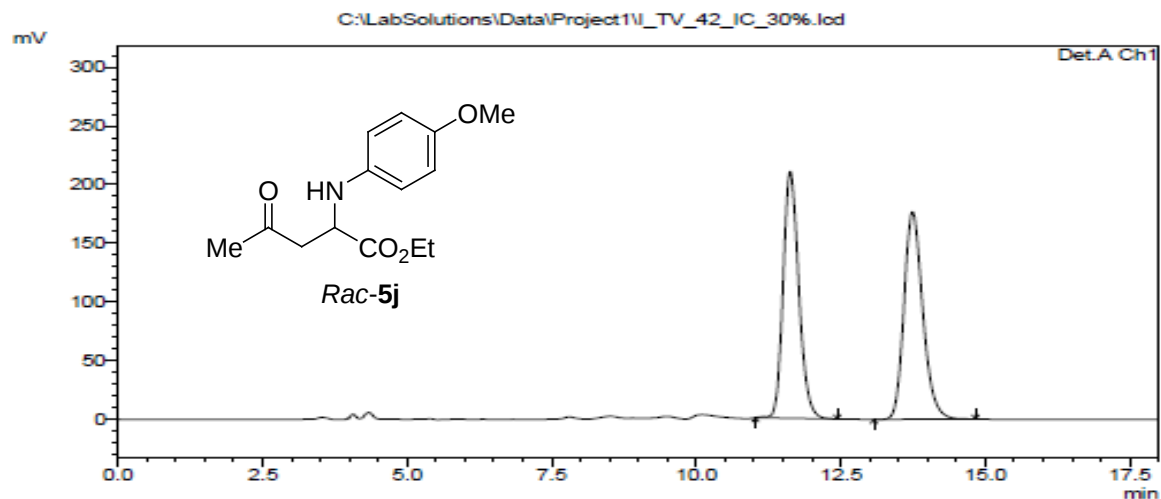
Detector A Ch1 254nm

PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	16.427	3814543	134181	15.139	26.750
2	30.285	21382980	367420	84.861	73.250
Total		25197523	501601	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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PeakTable

Peak#	Ret. Time	Area	Height	Area %	Height %
1	11.624	3969255	210208	49.721	54.324
2	13.739	4013844	176745	50.279	45.676
Total		7983099	386953	100.000	100.000

==== Shimadzu LCsolution LC Data Image ====

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