

+Supporting Information

Enantioselective organocatalytic oxidation of ketimine

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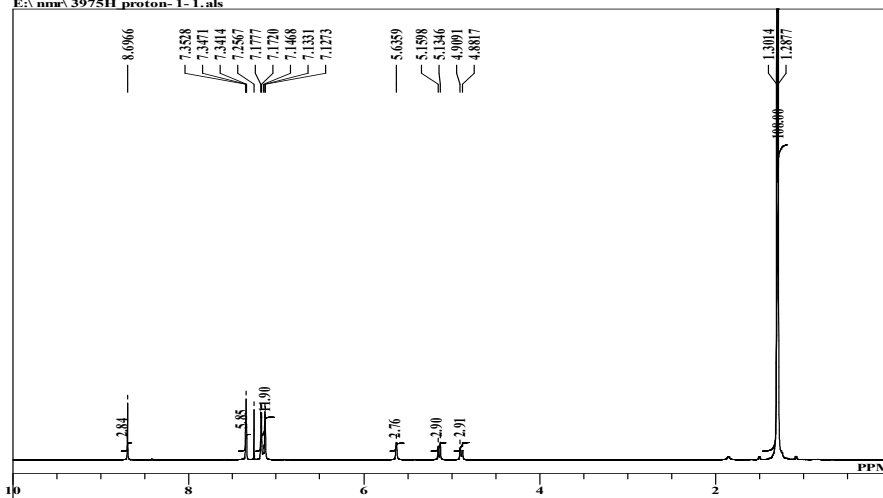
Contents:

A. NMR charts (p2-p14)

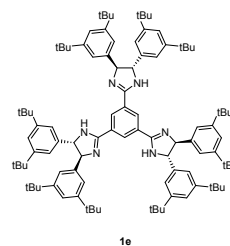
B. HPLC charts (p15-p24)

A. NMR charts

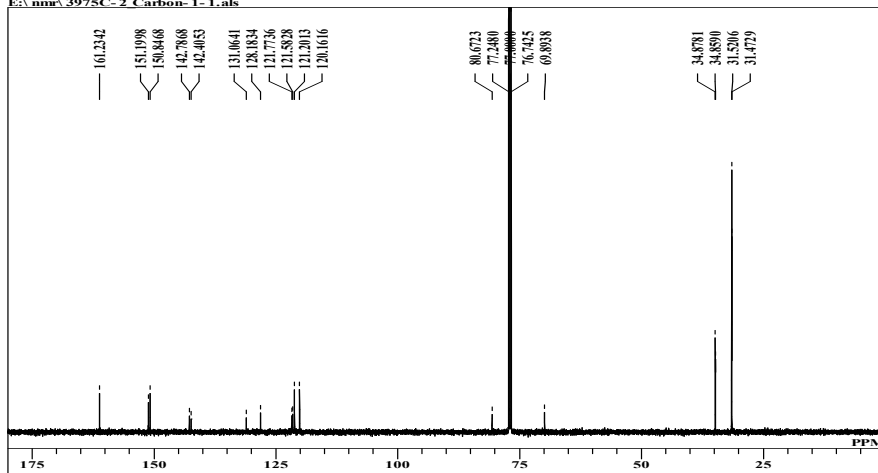
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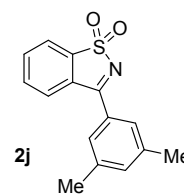
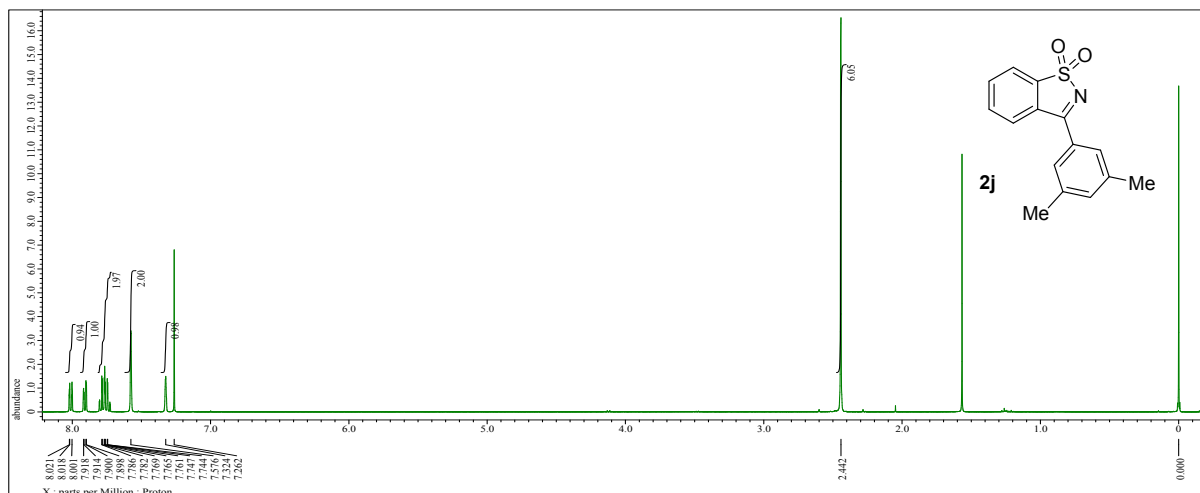
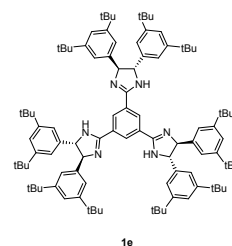
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 OBSET 1.15 kHz
 OBTIN 8.57 Hz
 POINT 13107
 FREQU 4508.57 Hz
 SCANS 64
 ACQTM 2.9072 sec
 PD 2.0000 sec
 PWI 5.60 usec
 IRNUC 1H
 CTEMP 17.8 c
 SLVNT CDCL3
 EXREF 0.00 ppm
 BF 0.12 Hz
 RGAIN 36

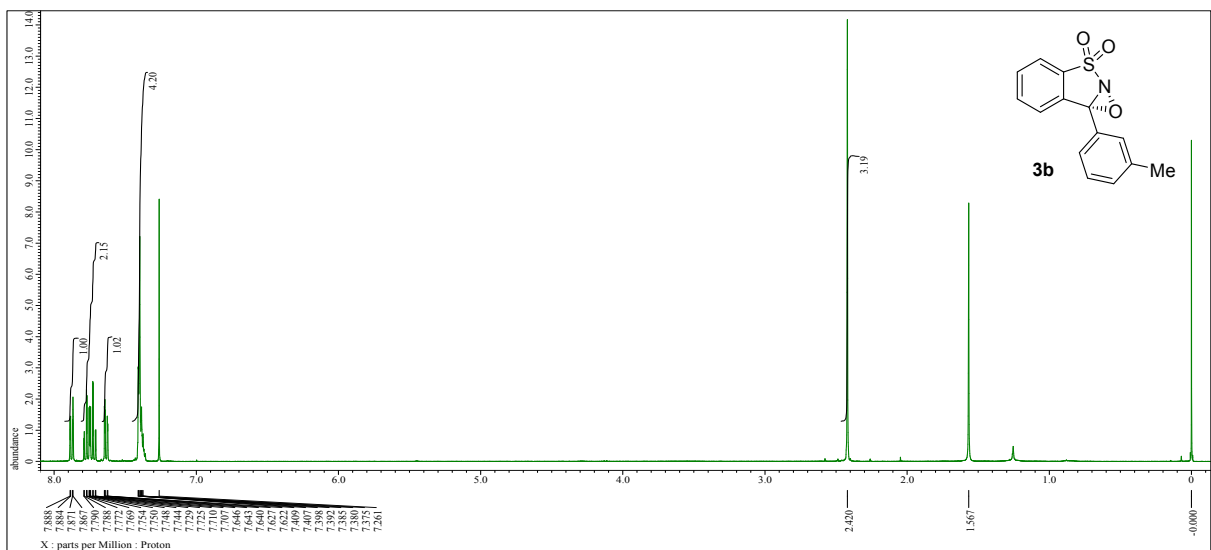
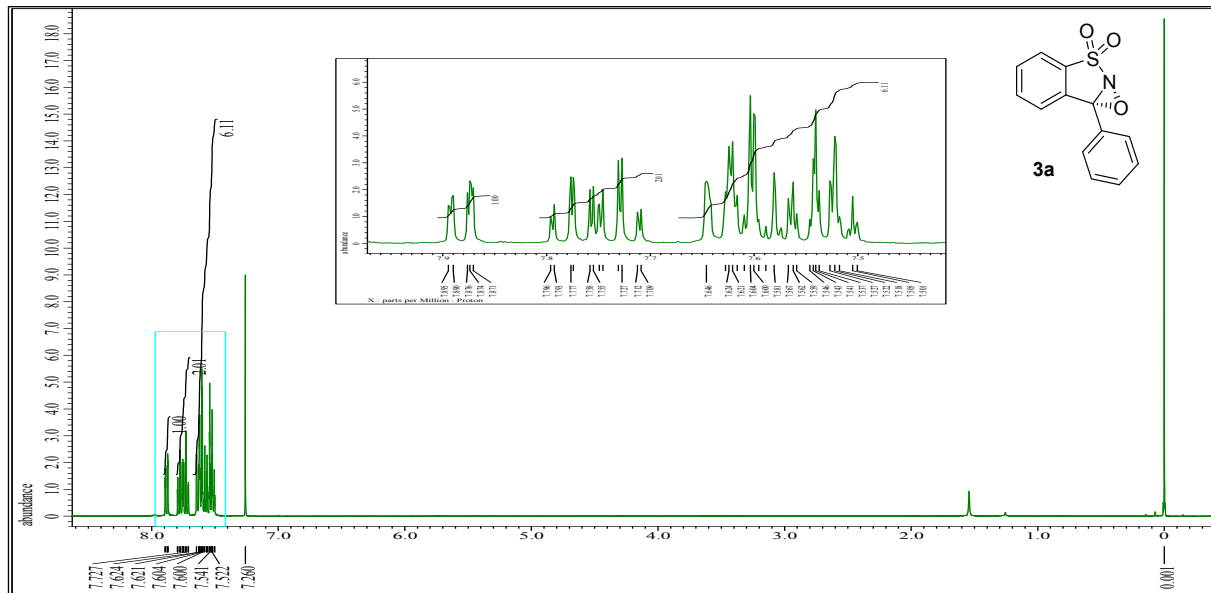
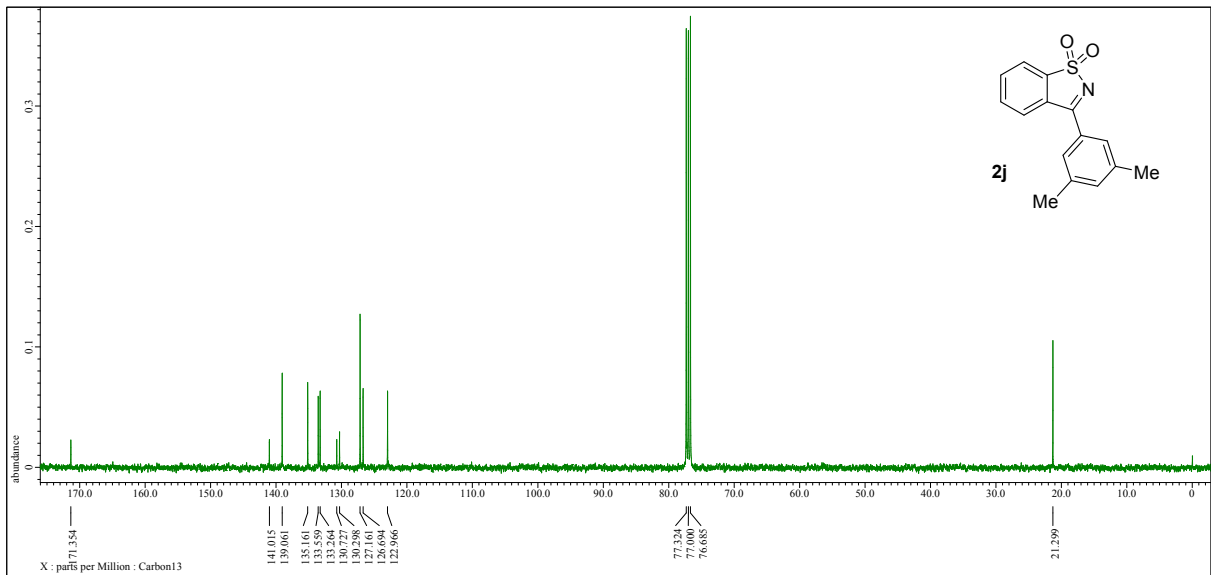


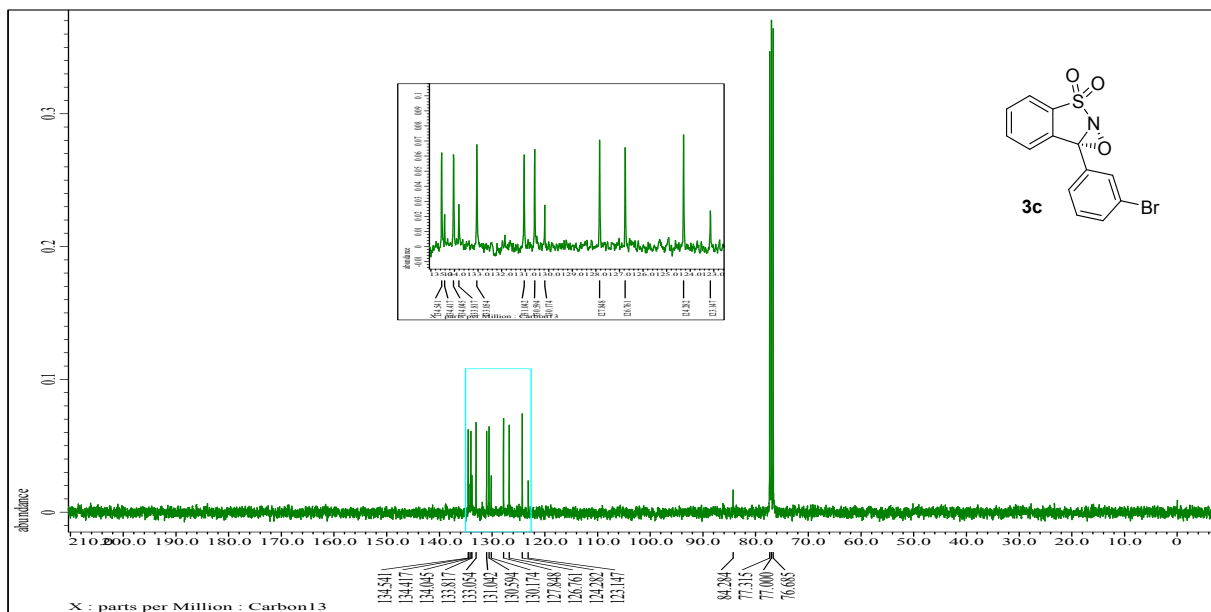
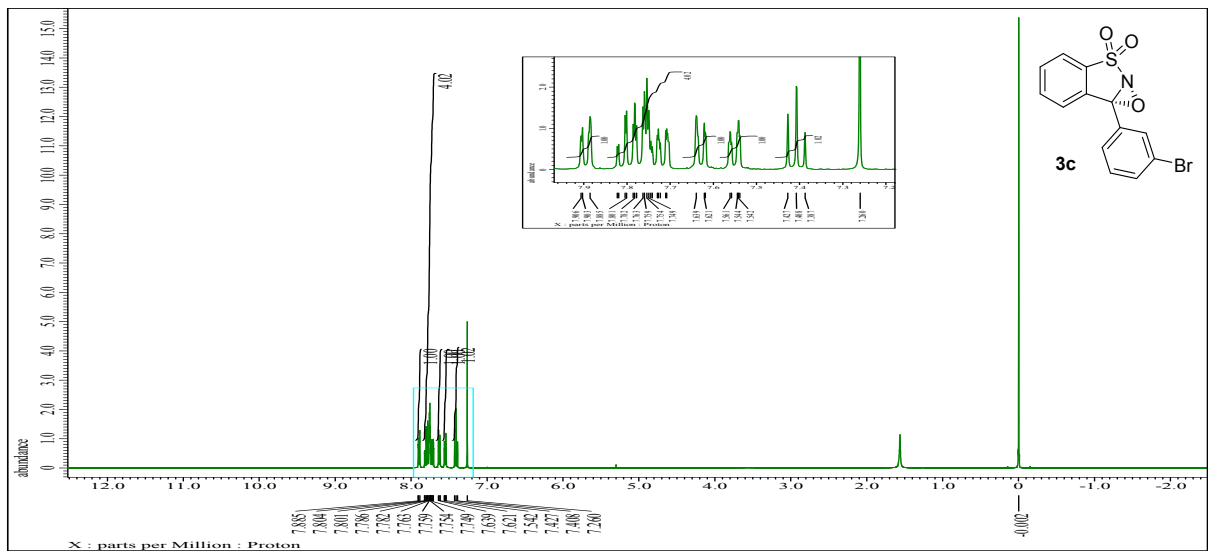
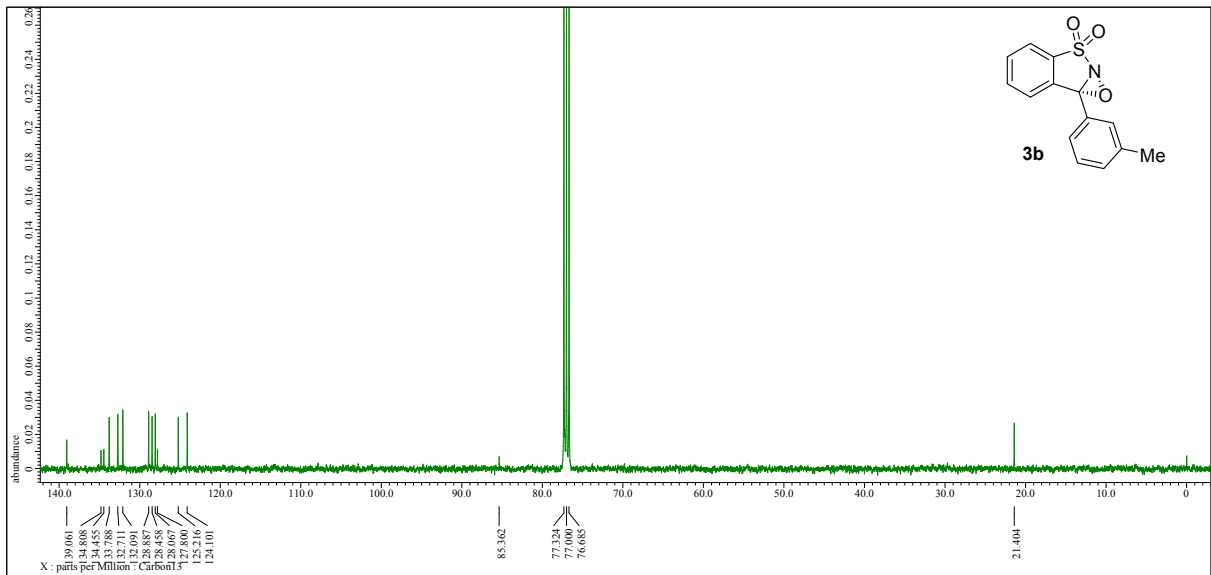
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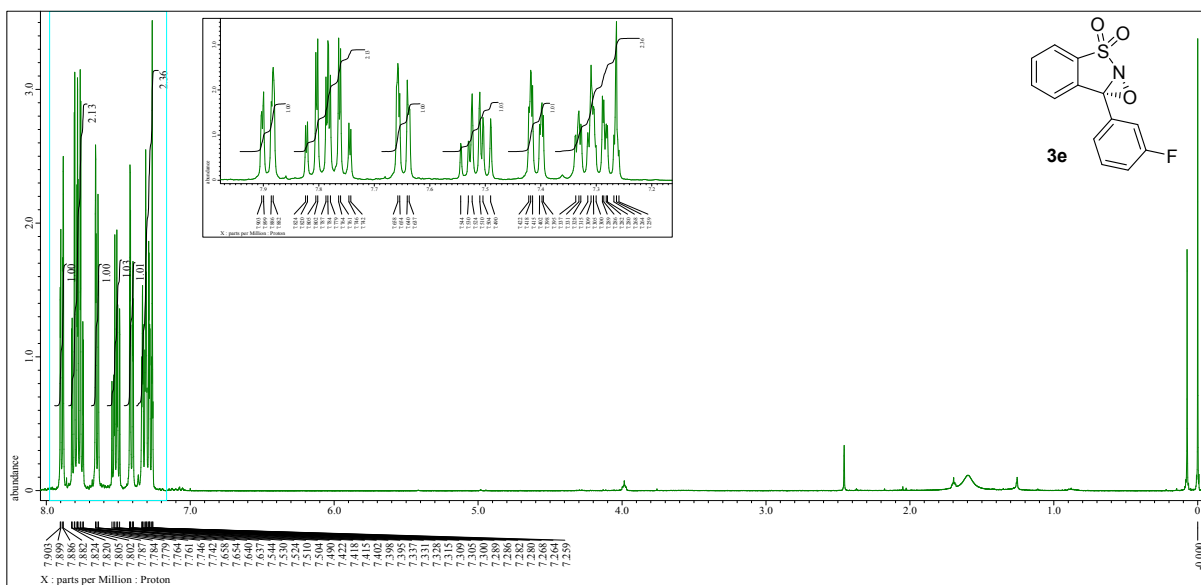
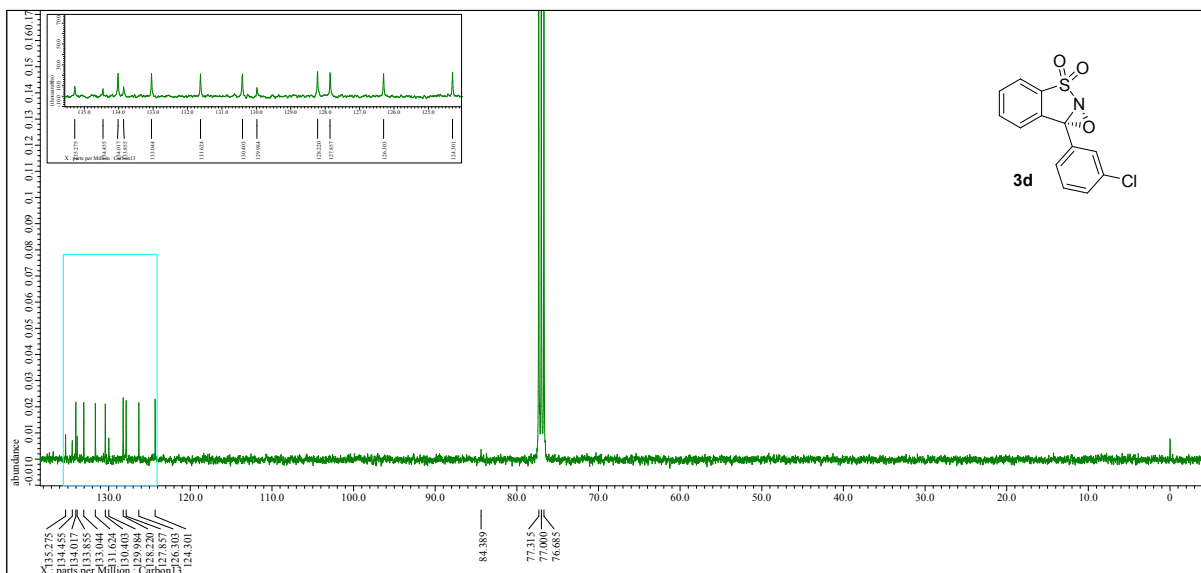
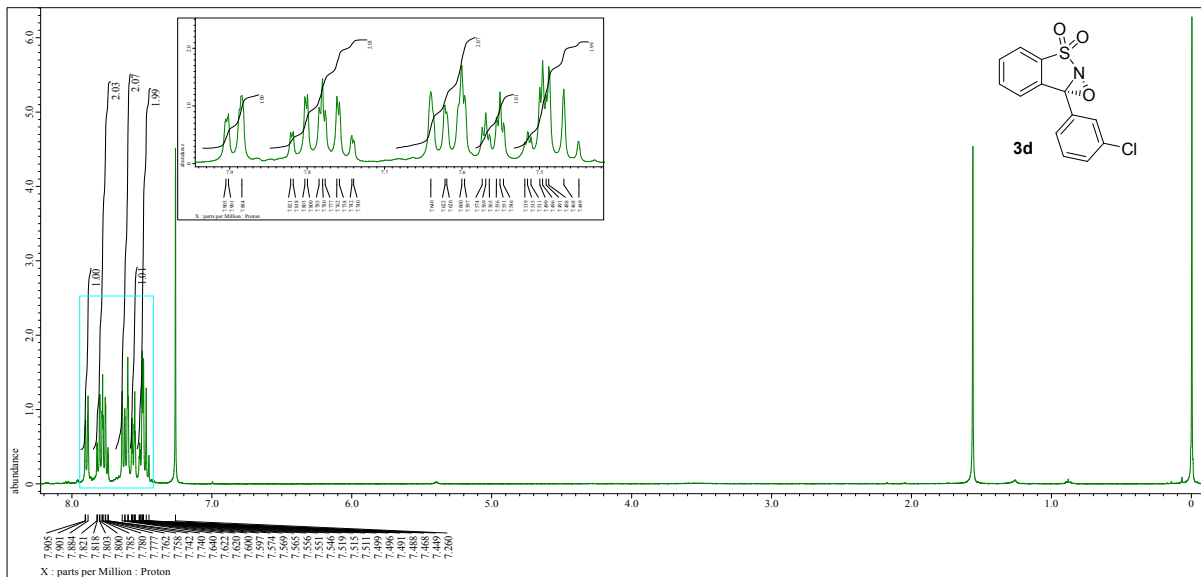


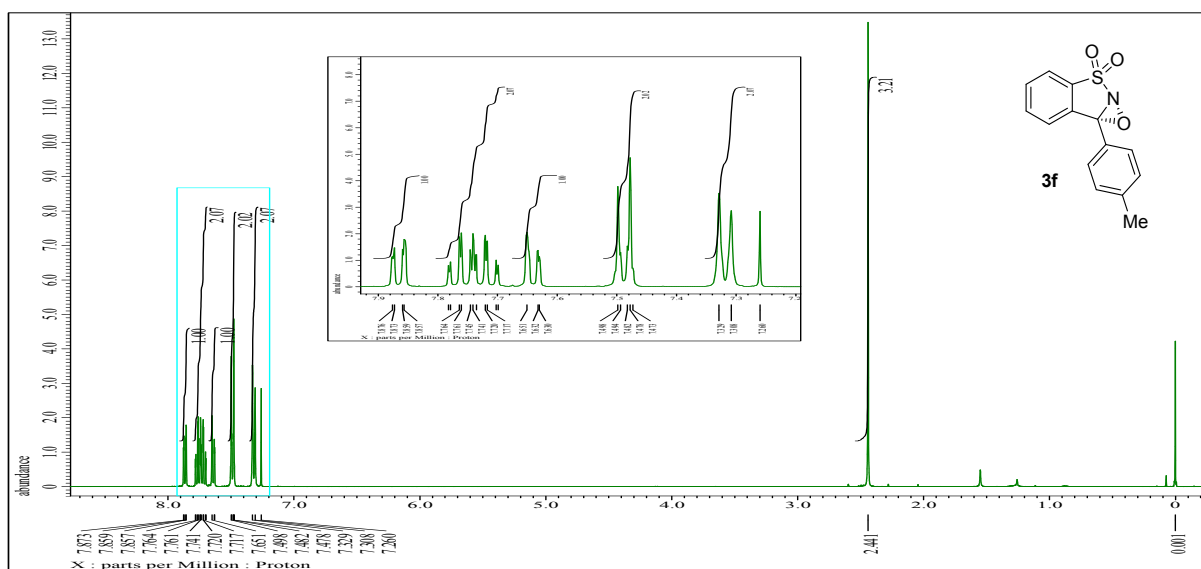
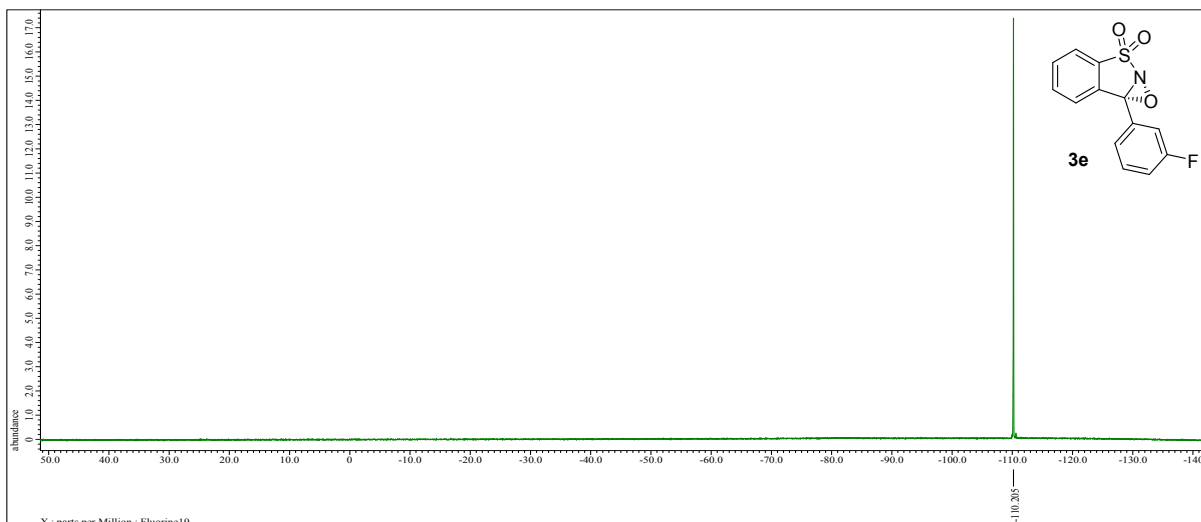
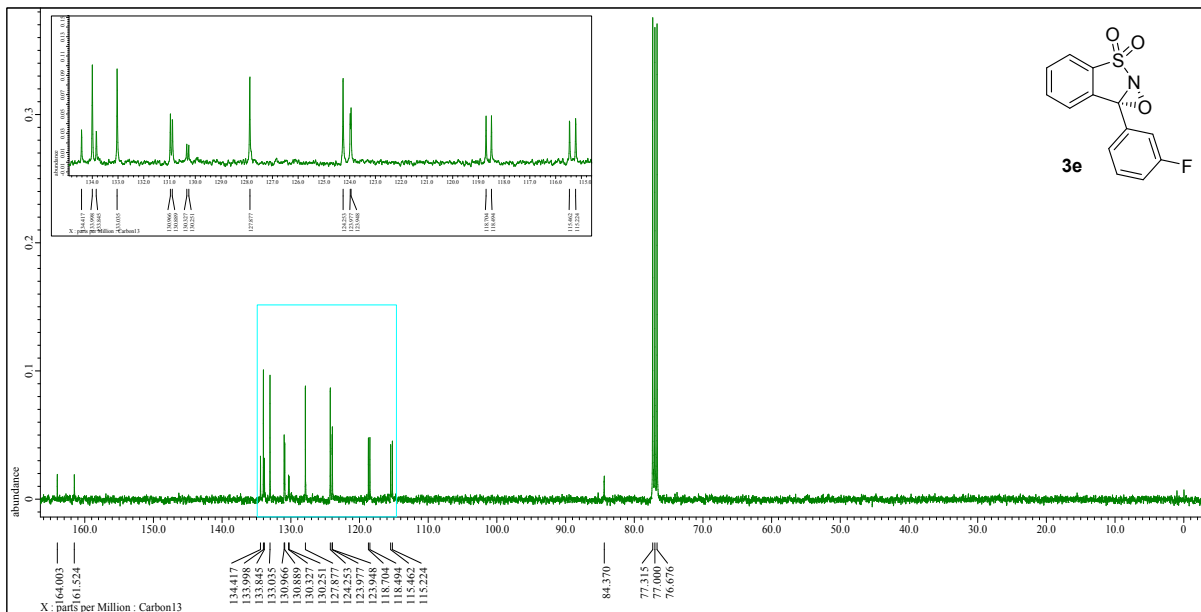
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 OBTIN 4.21 Hz
 POINT 26214
 FREQU 31446.54 Hz
 SCANS 909
 ACQTM 0.8336 sec
 PD 2.5000 sec
 PWI 3.20 usec
 IRNUC 1H
 CTEMP 18.3 c
 SLVNT CDCL3
 EXREF 77.00 ppm
 BF 0.12 Hz
 RGAIN 60

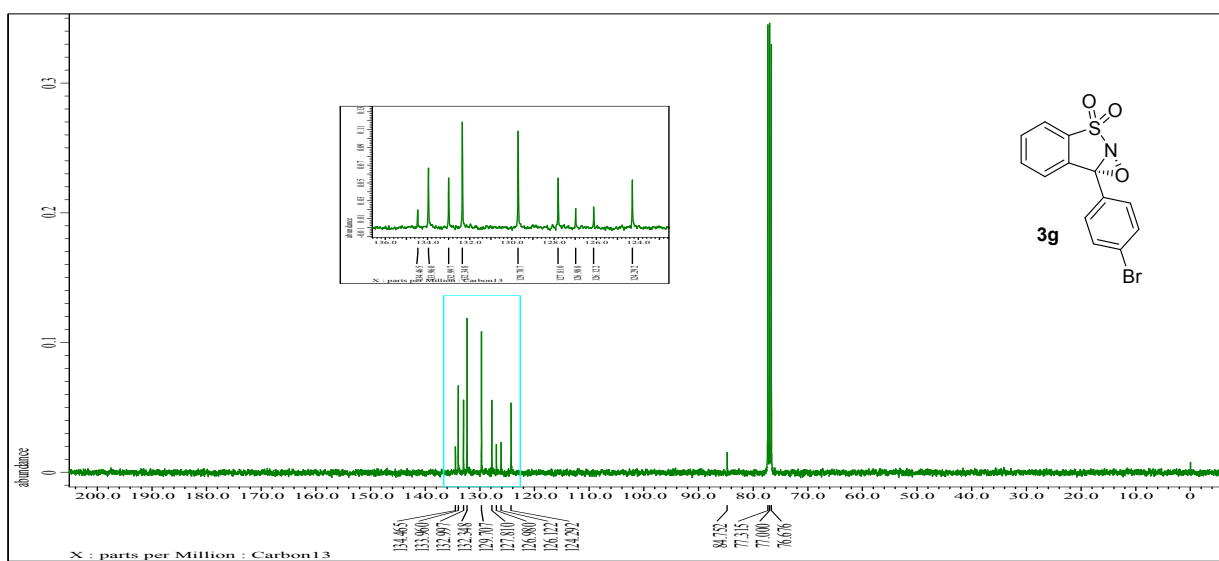
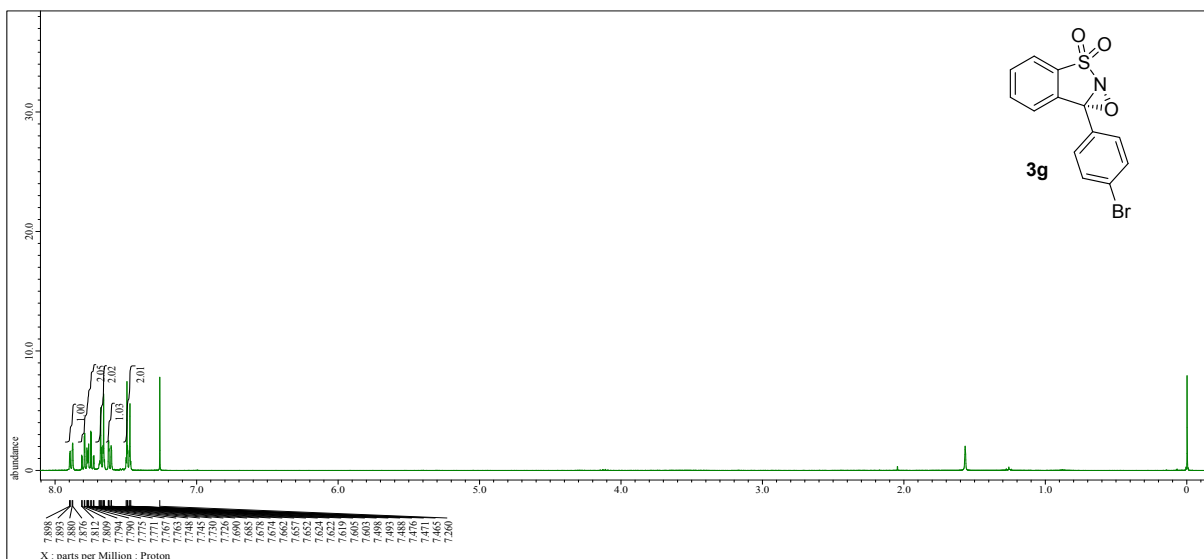
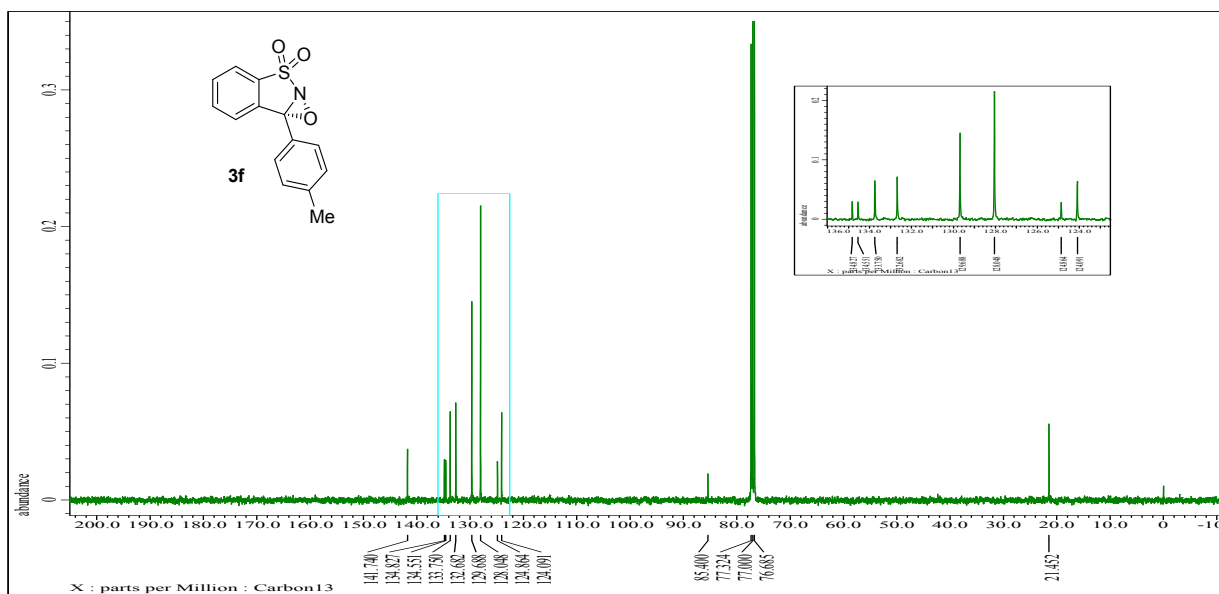


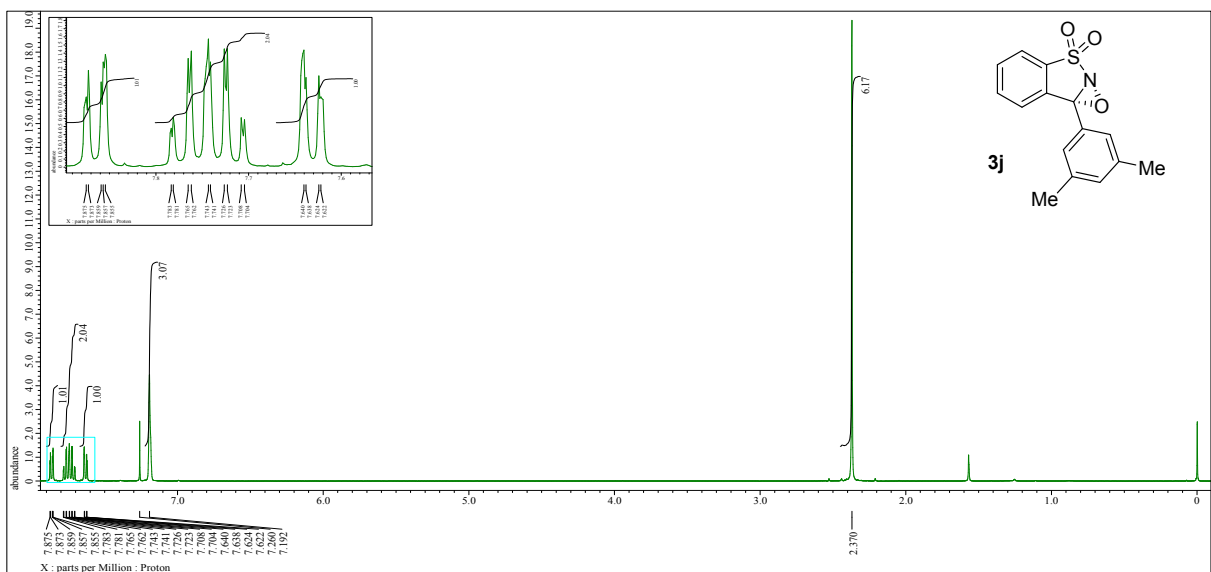
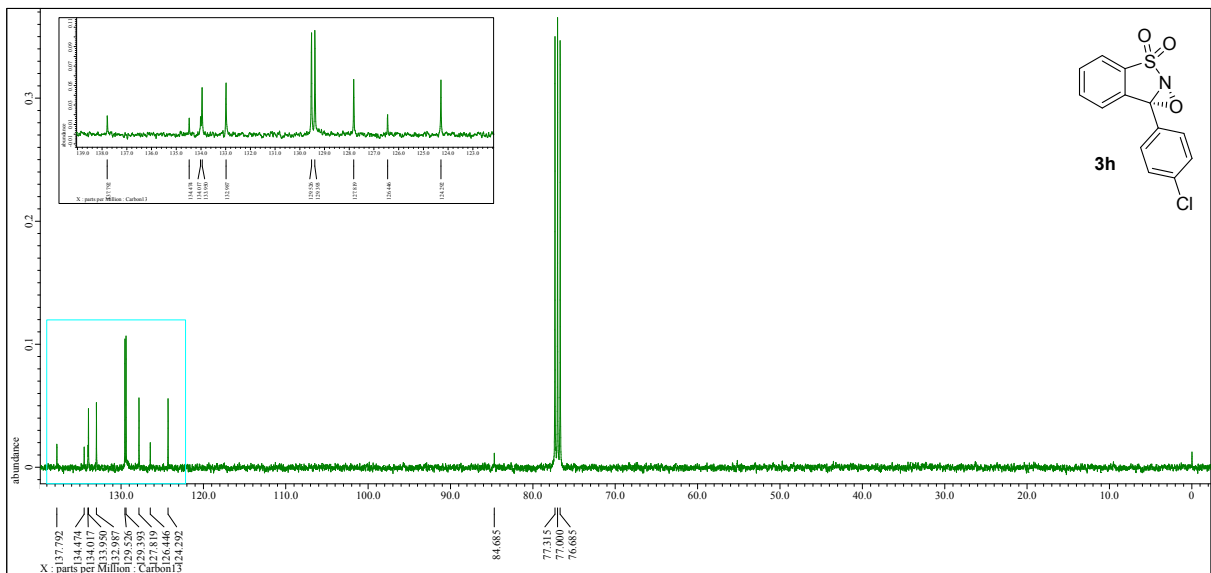
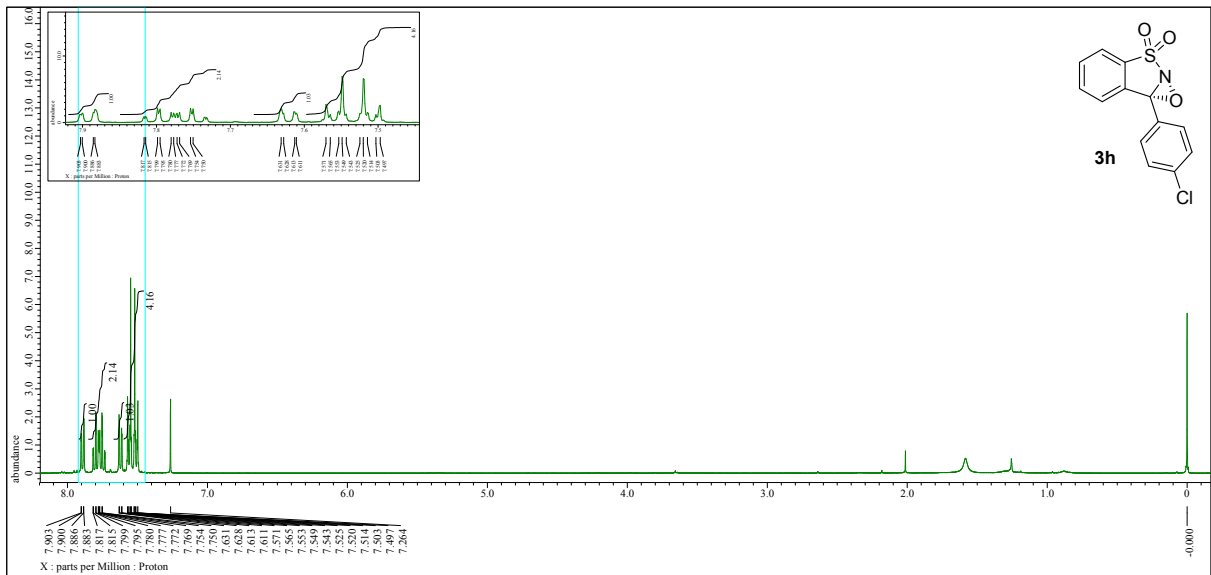


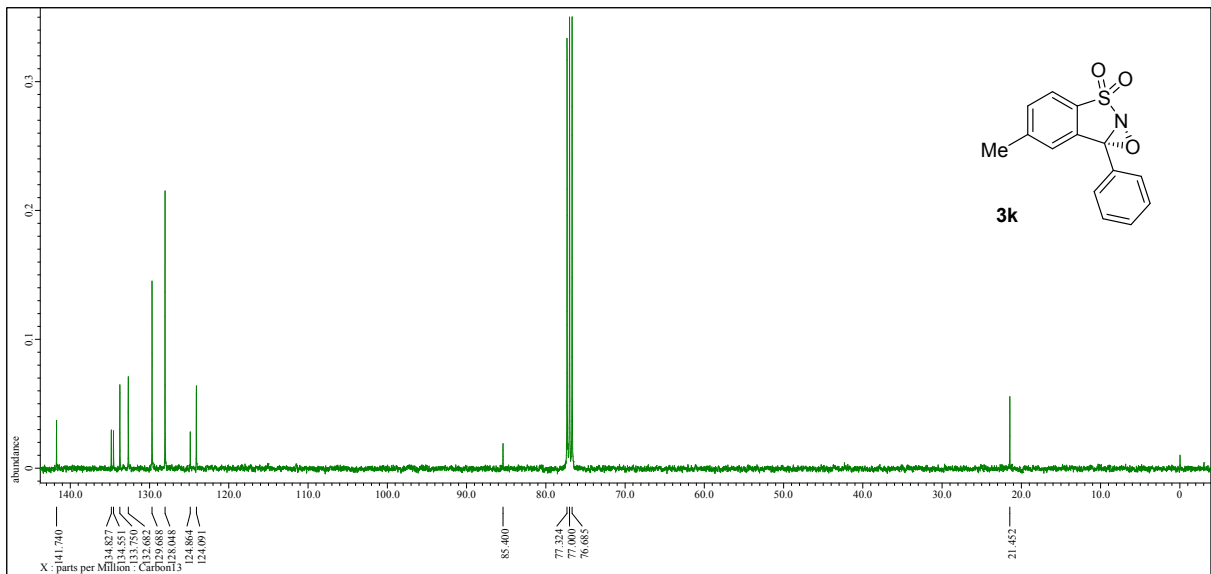
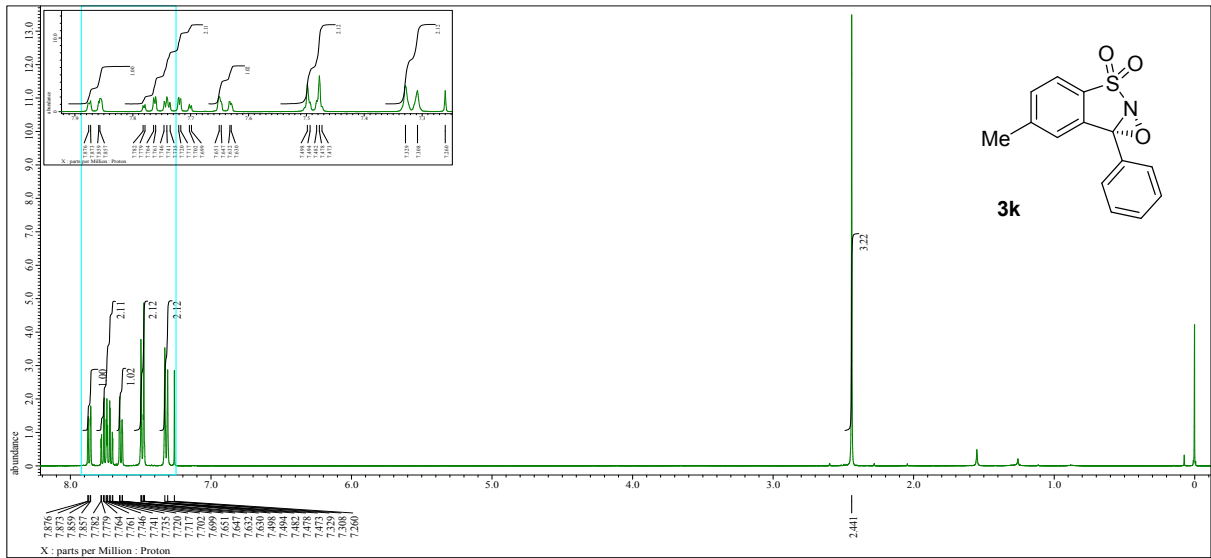
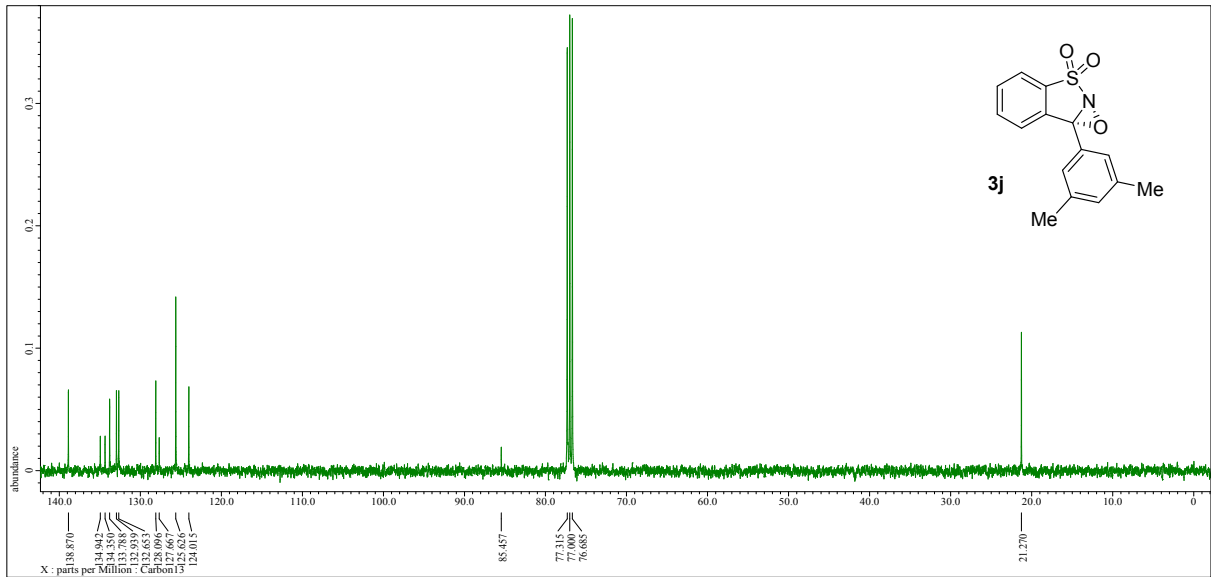


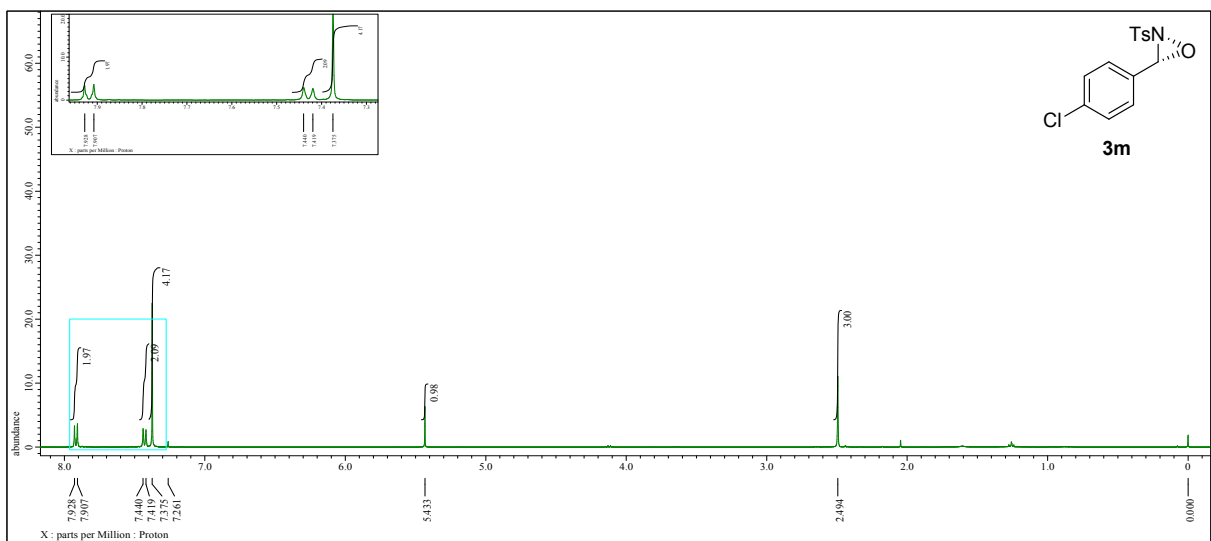
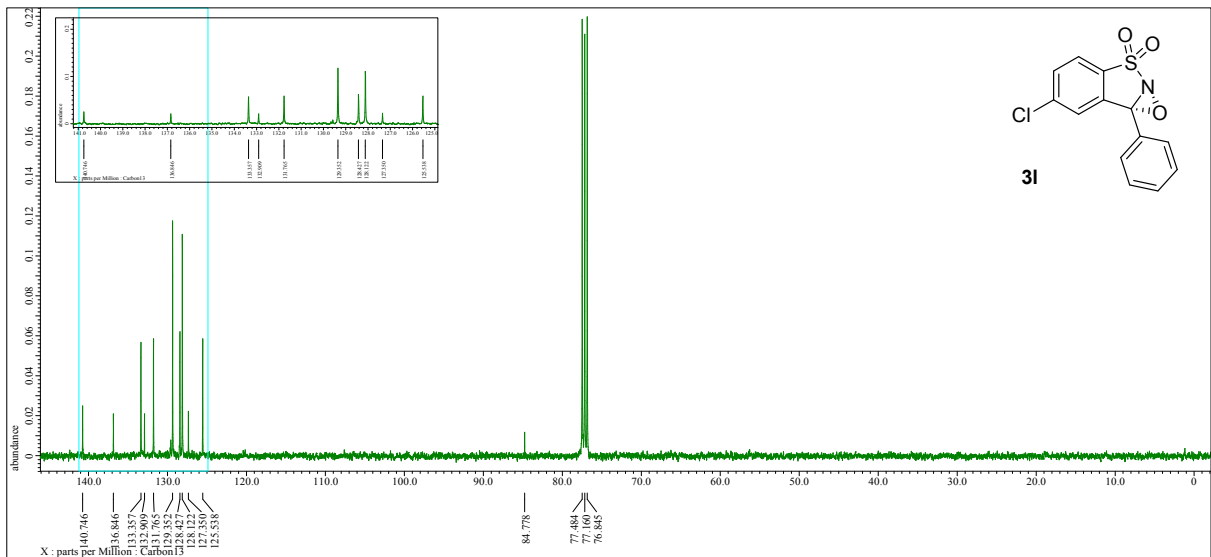
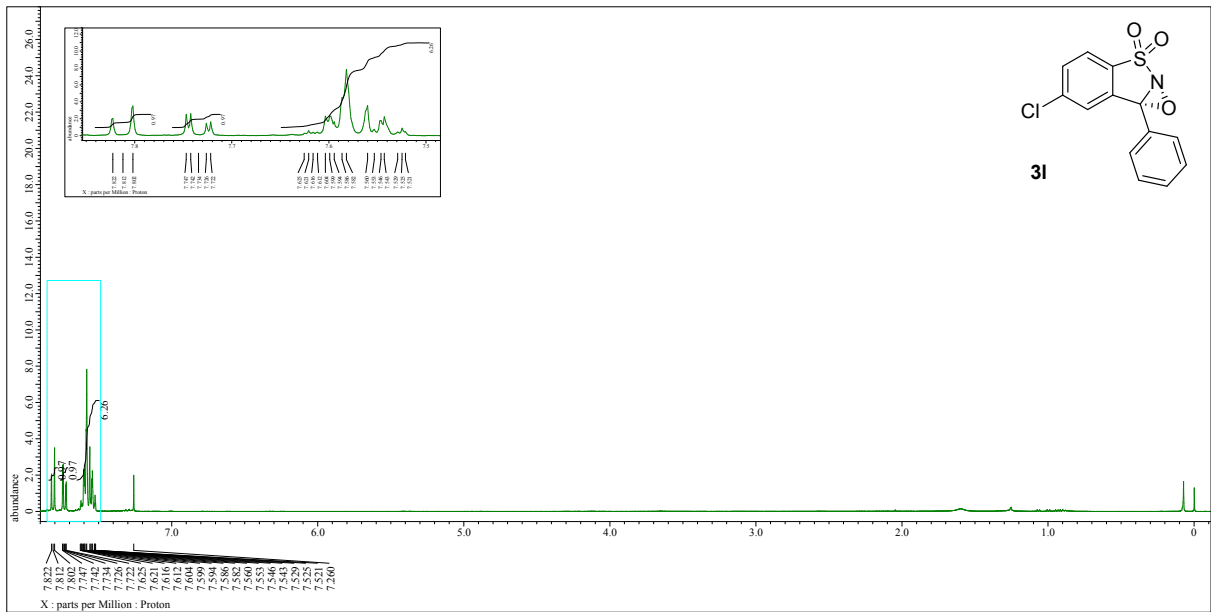


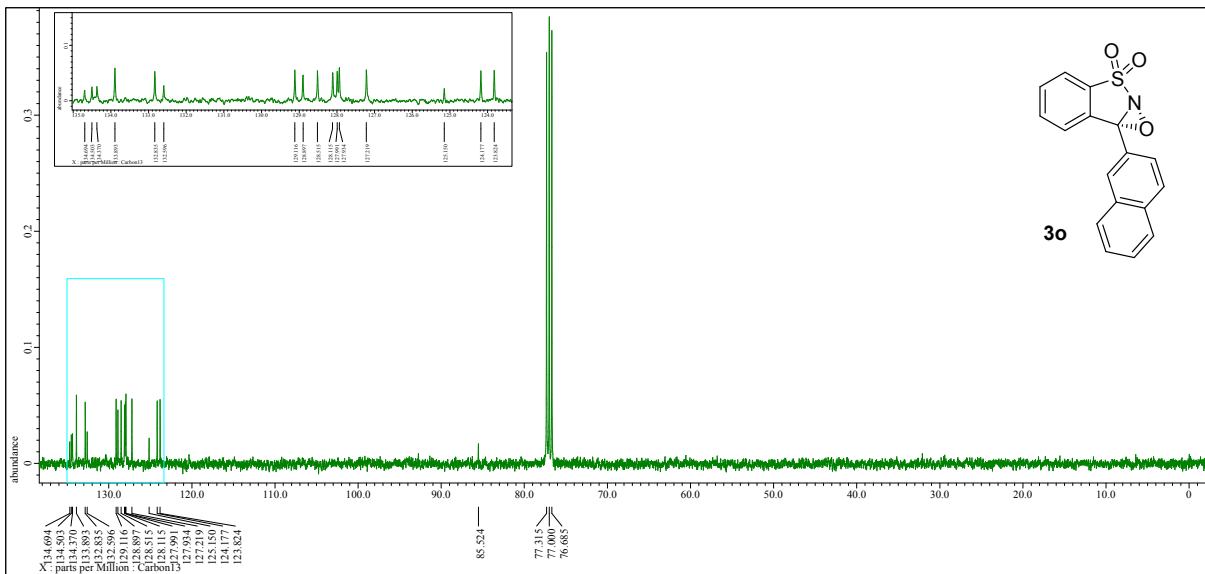
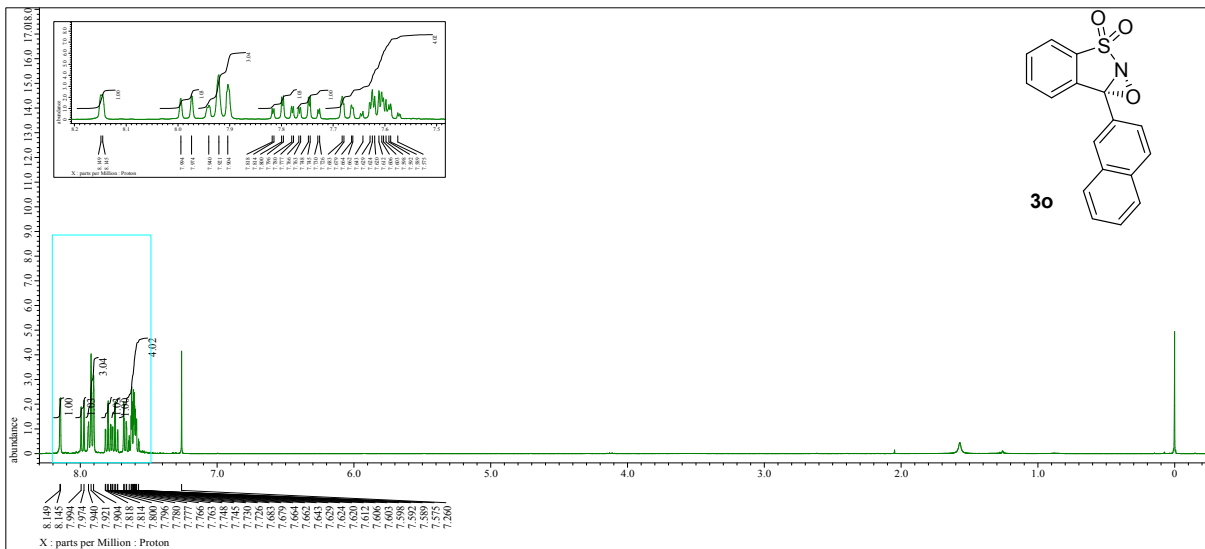
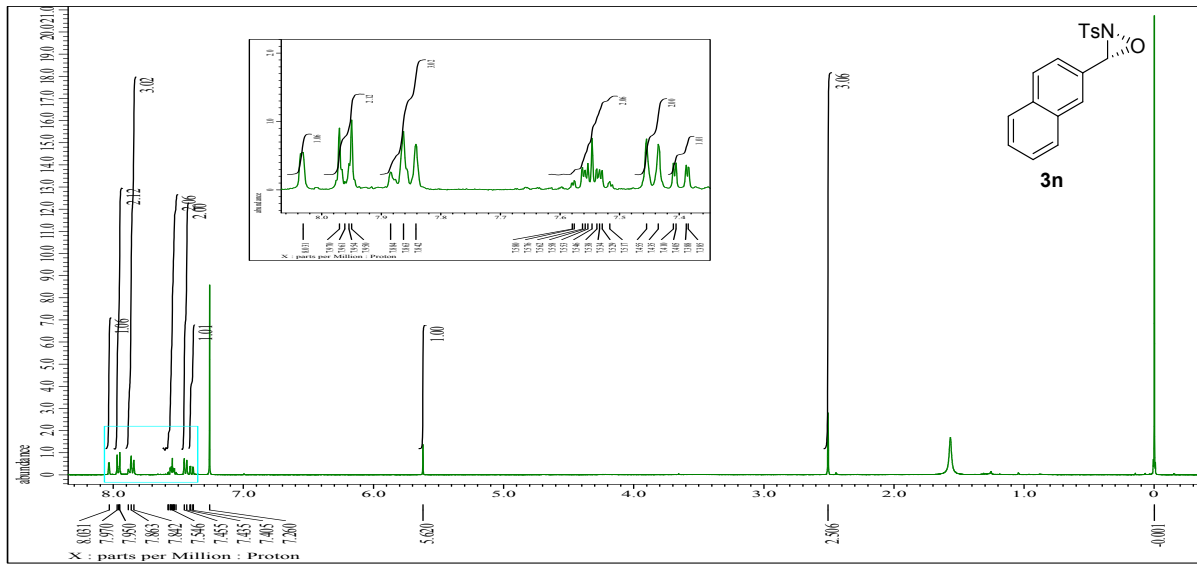


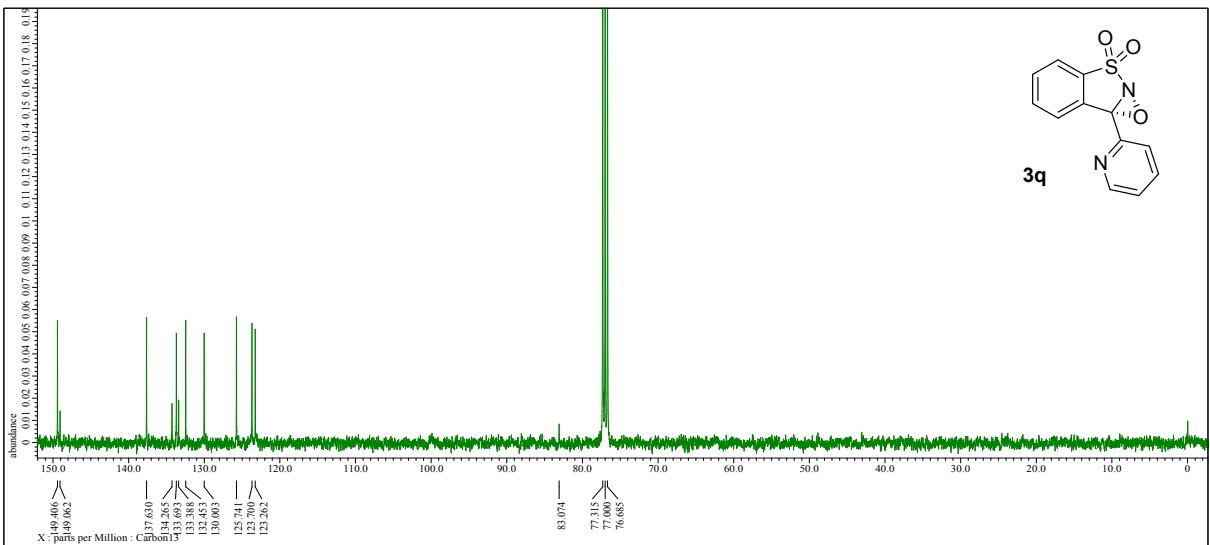
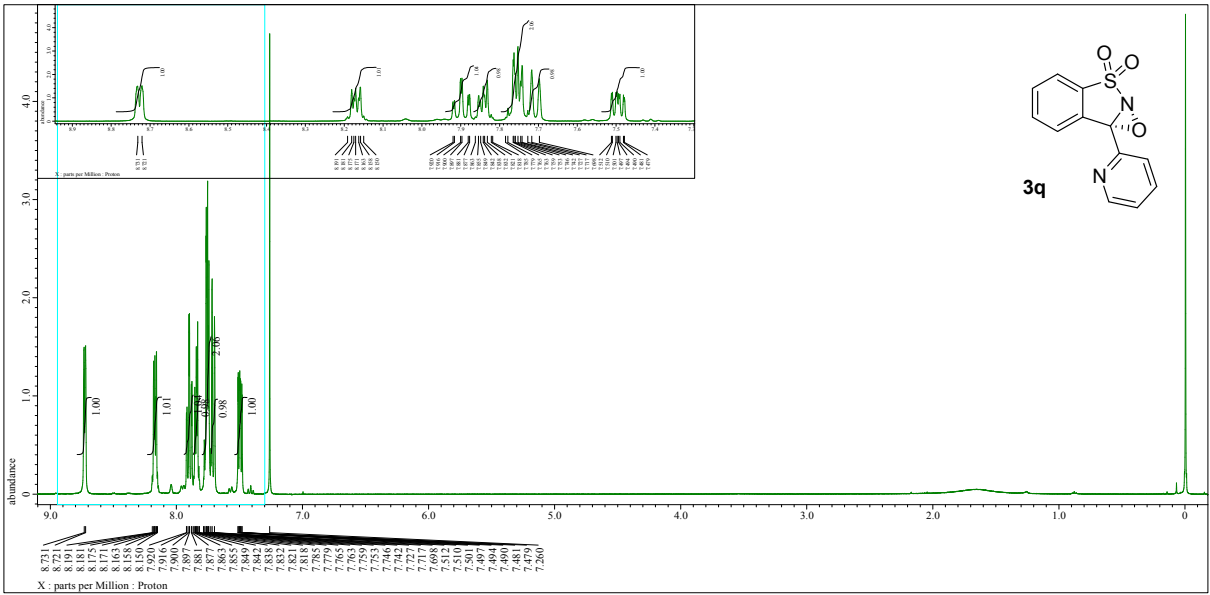
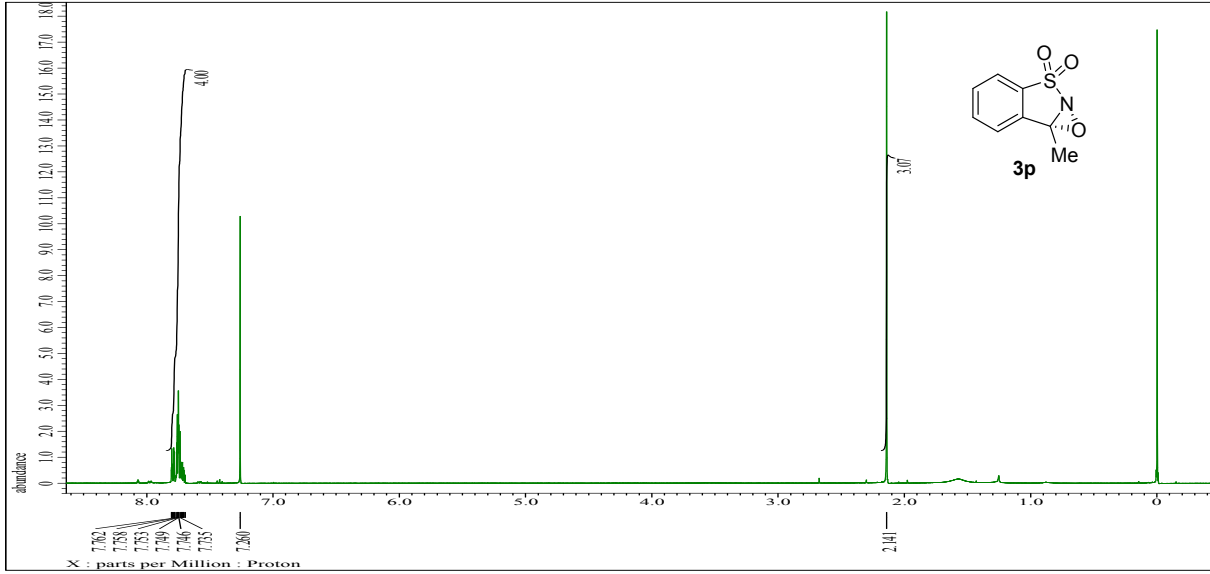




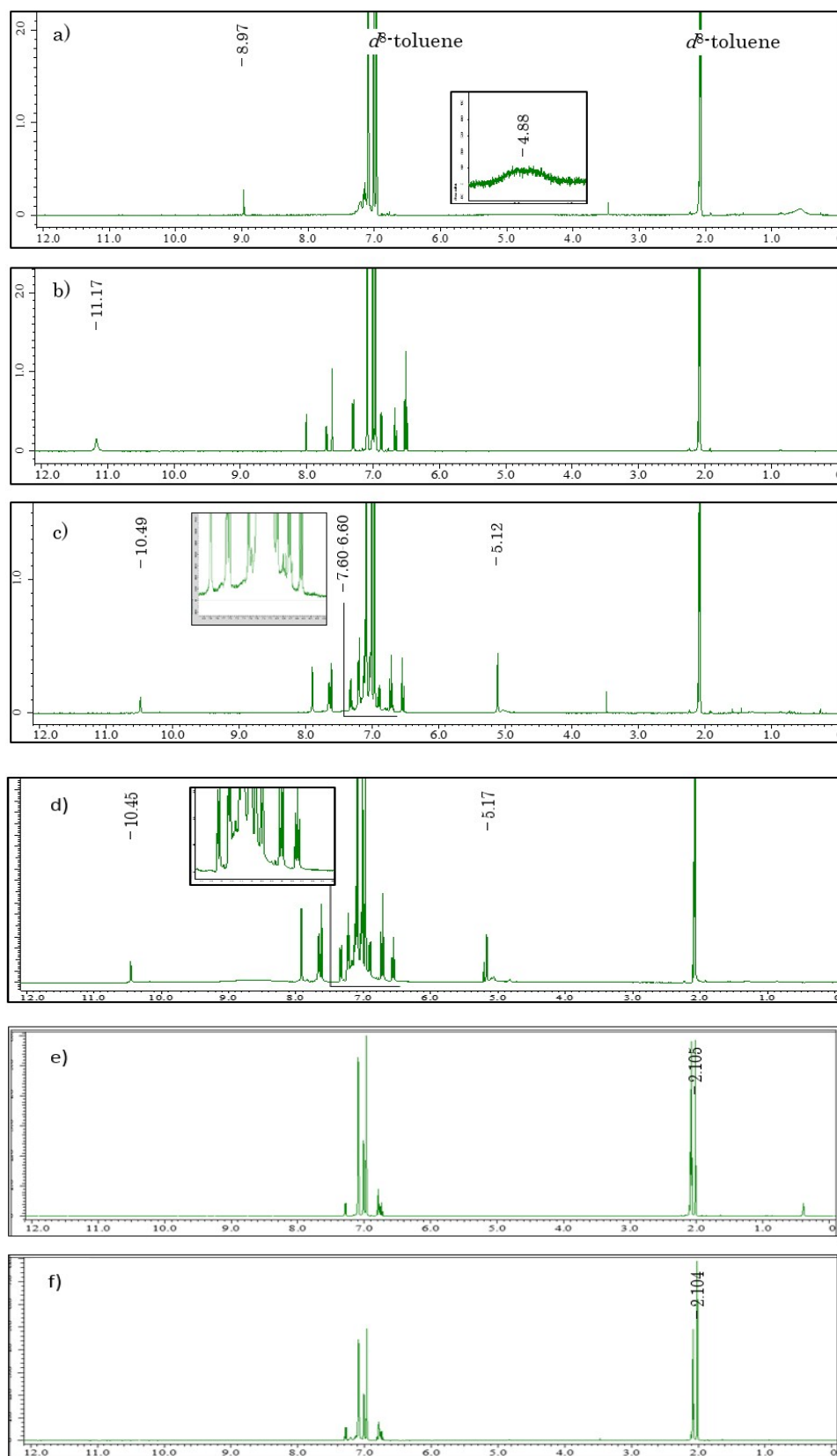




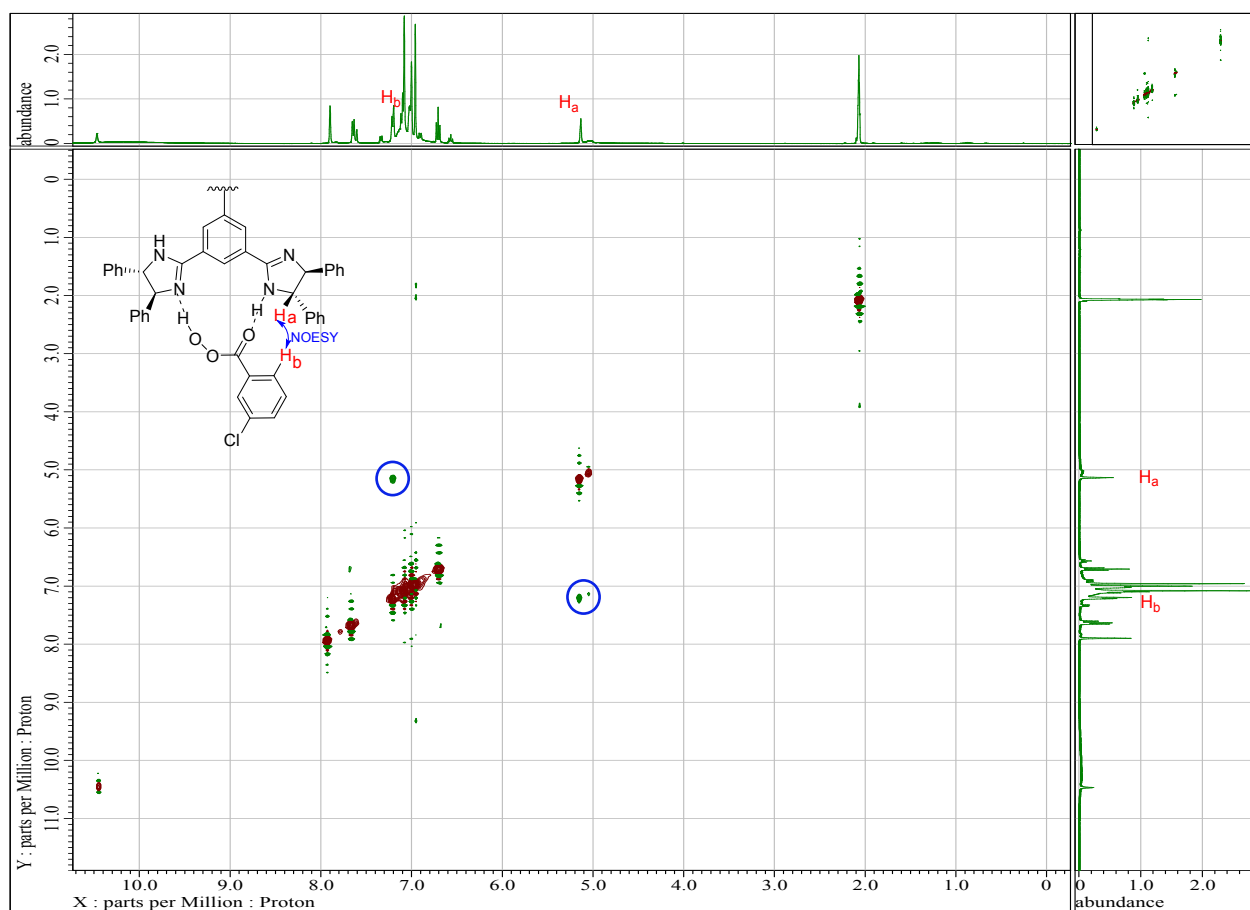
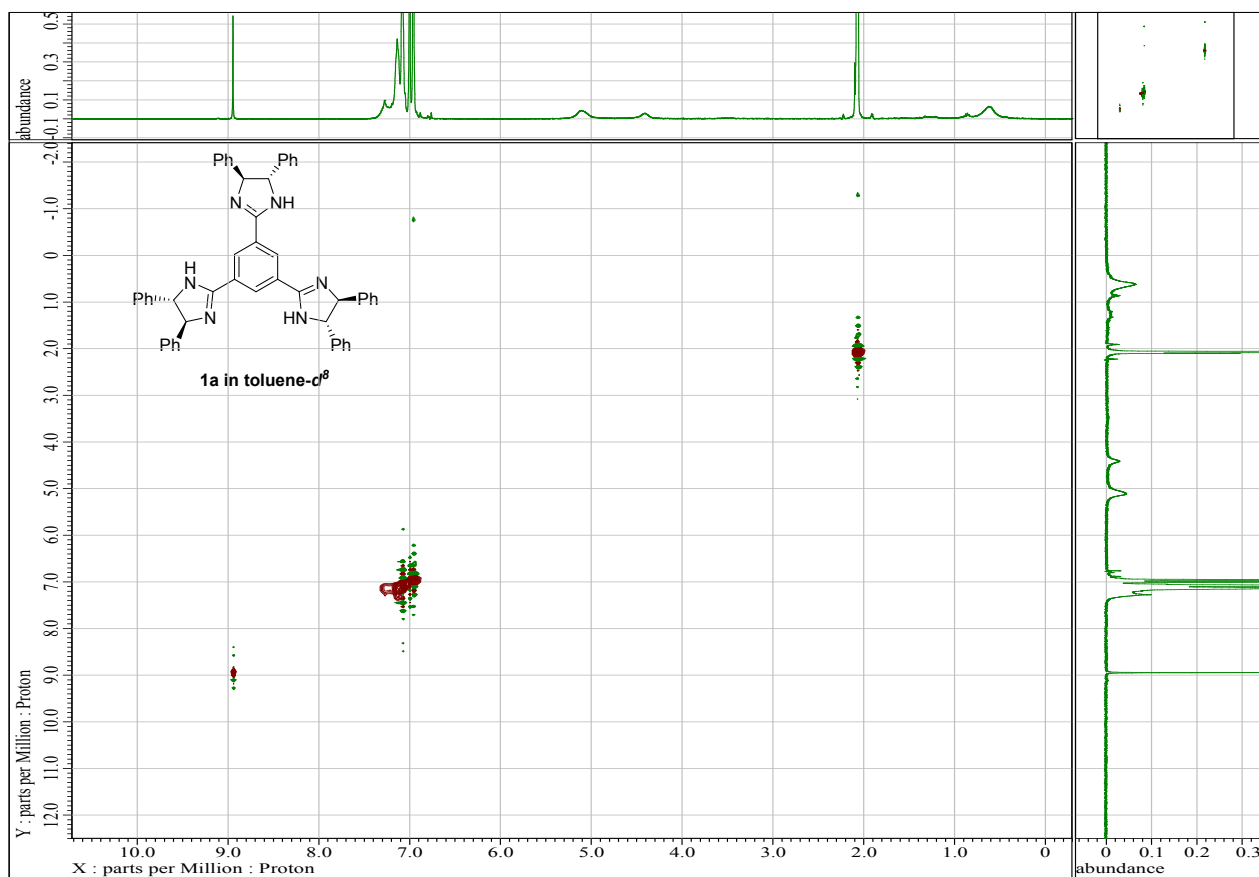




$^1\text{H-NMR}$ spectra in d^8 -toluene : a) catalyst **1a**, b) *m*CPBA, c) catalyst **1a** + *m*CPBA, d) catalyst **1a** + *m*CPBA + D_2O , e) ketimine **2j**, and f) catalyst **1a** + ketimine **2j**.

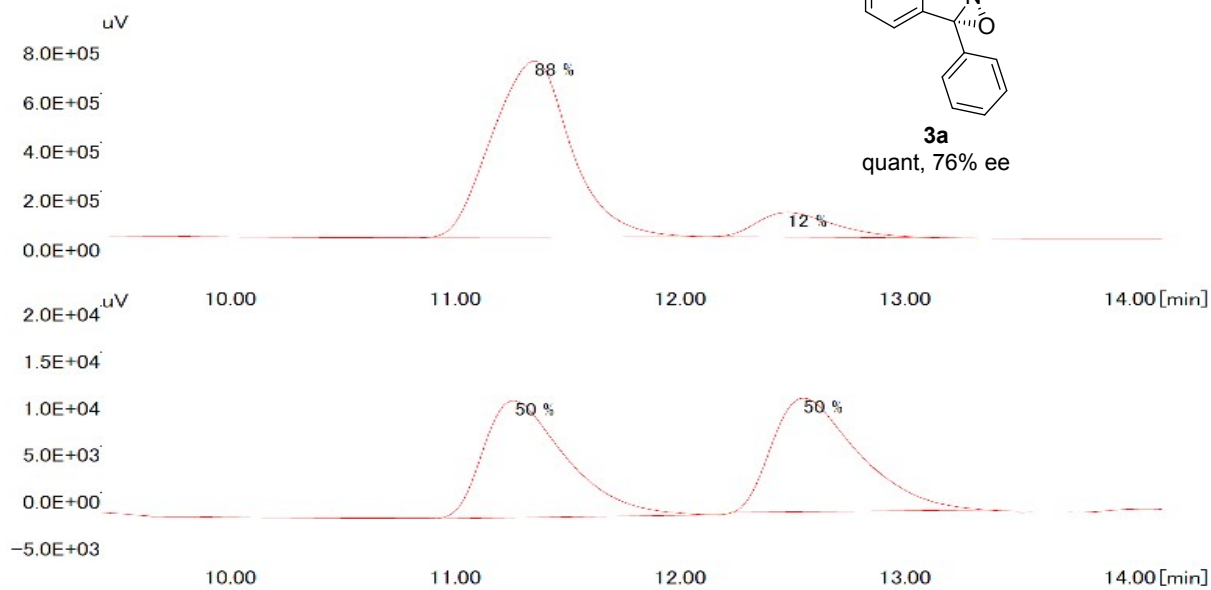


2D-NOESY NMR spectrum of catalyst 1a and *m*CPBA in d^8 -toluene.

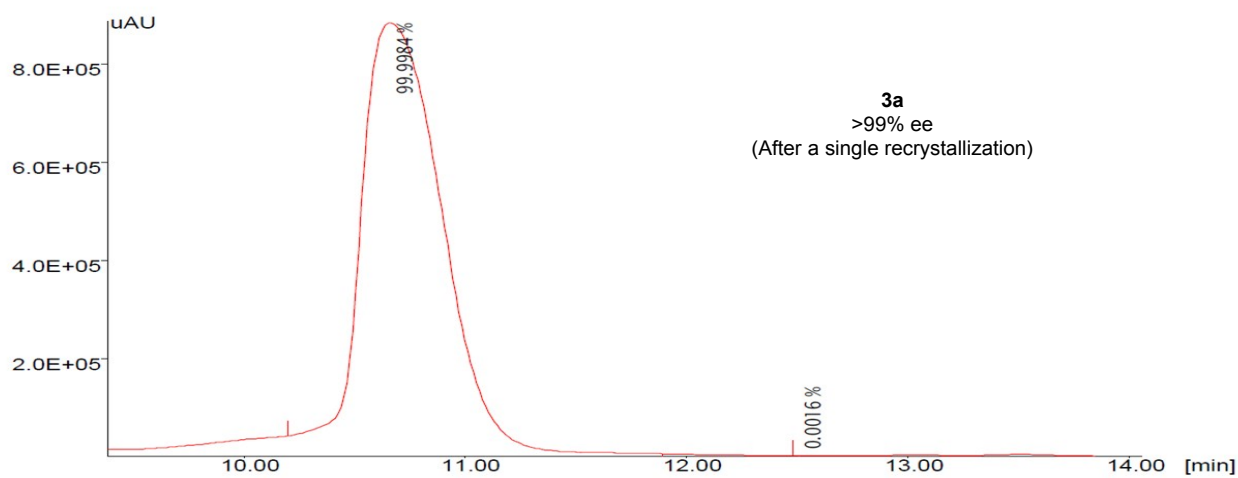


B. HPLC charts

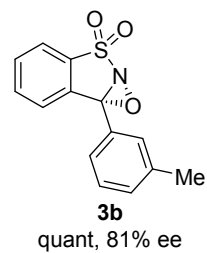
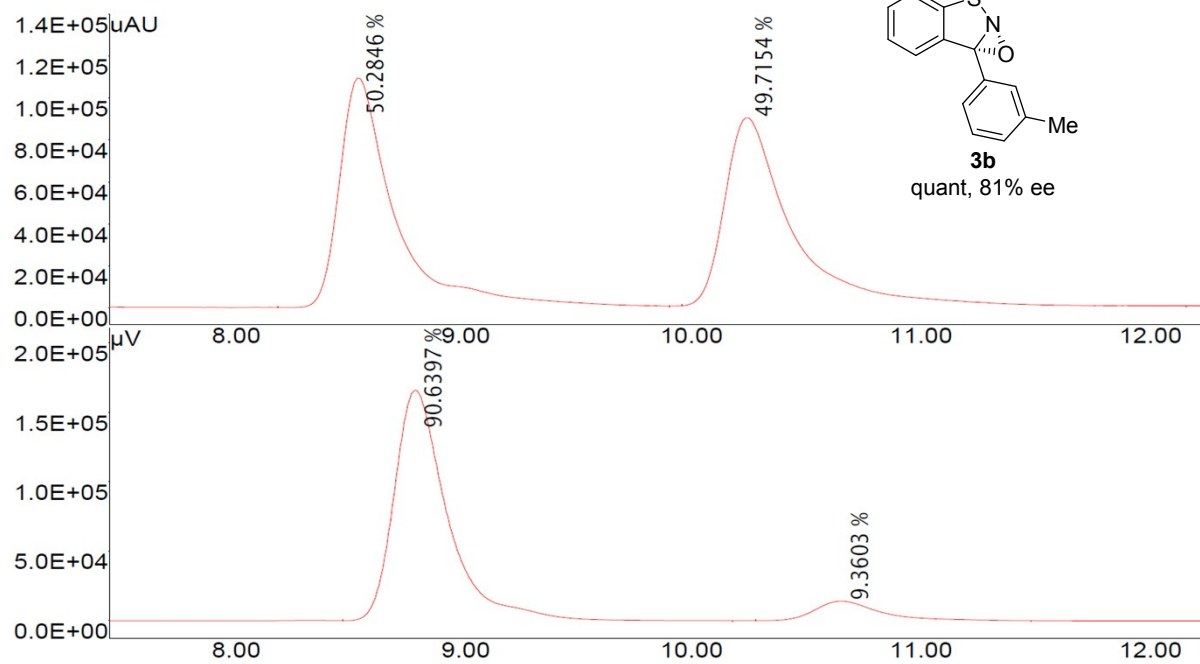
IA



#	ピーク名	Rt	ピーク名	面積%	定量値
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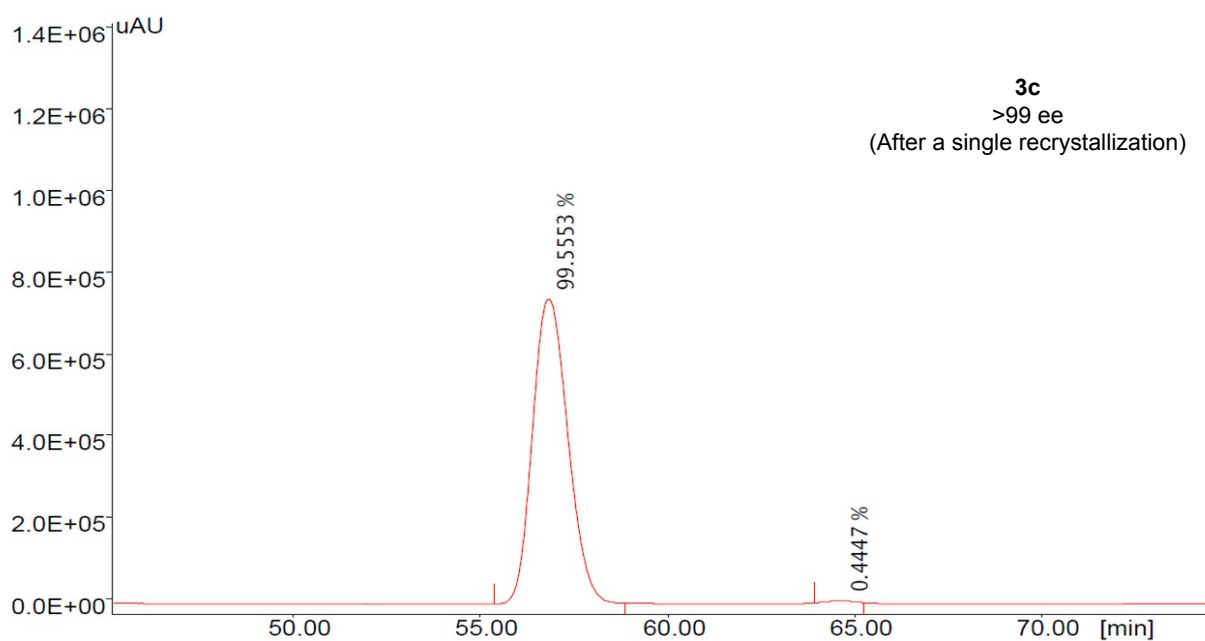
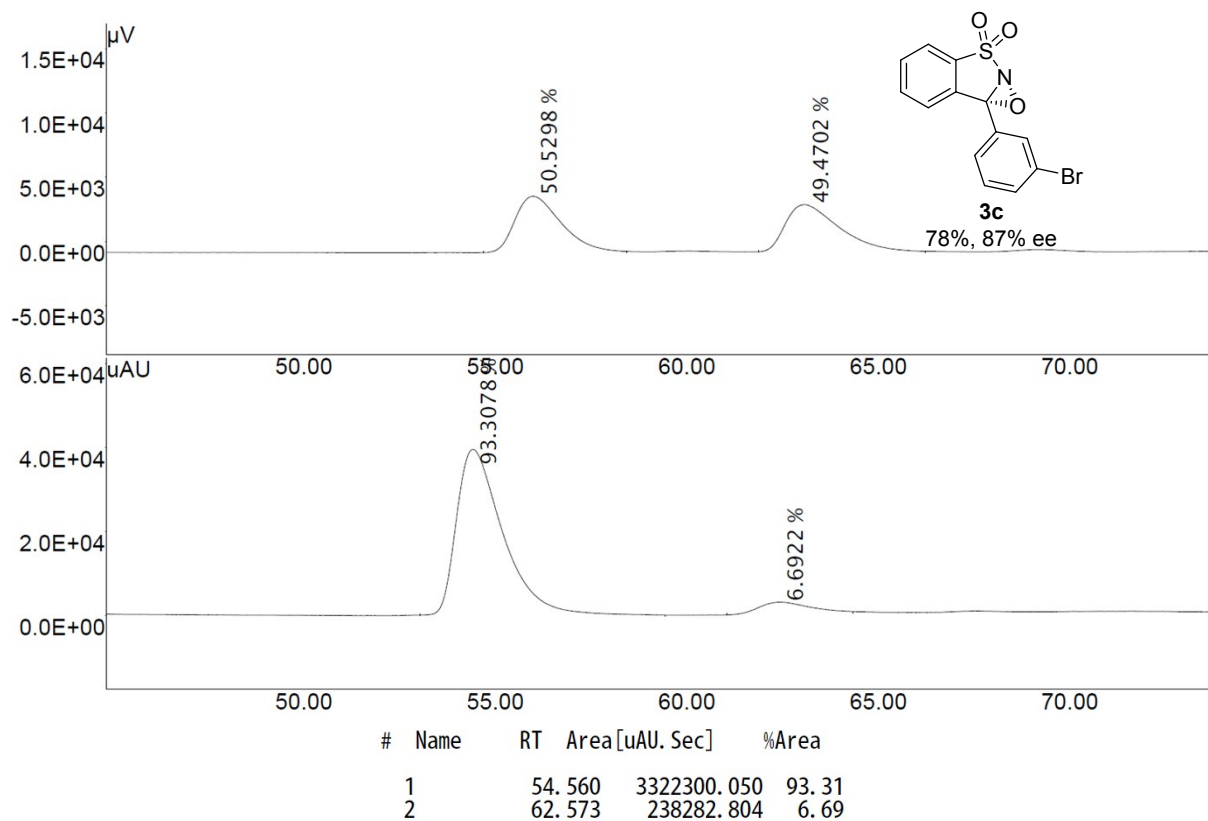


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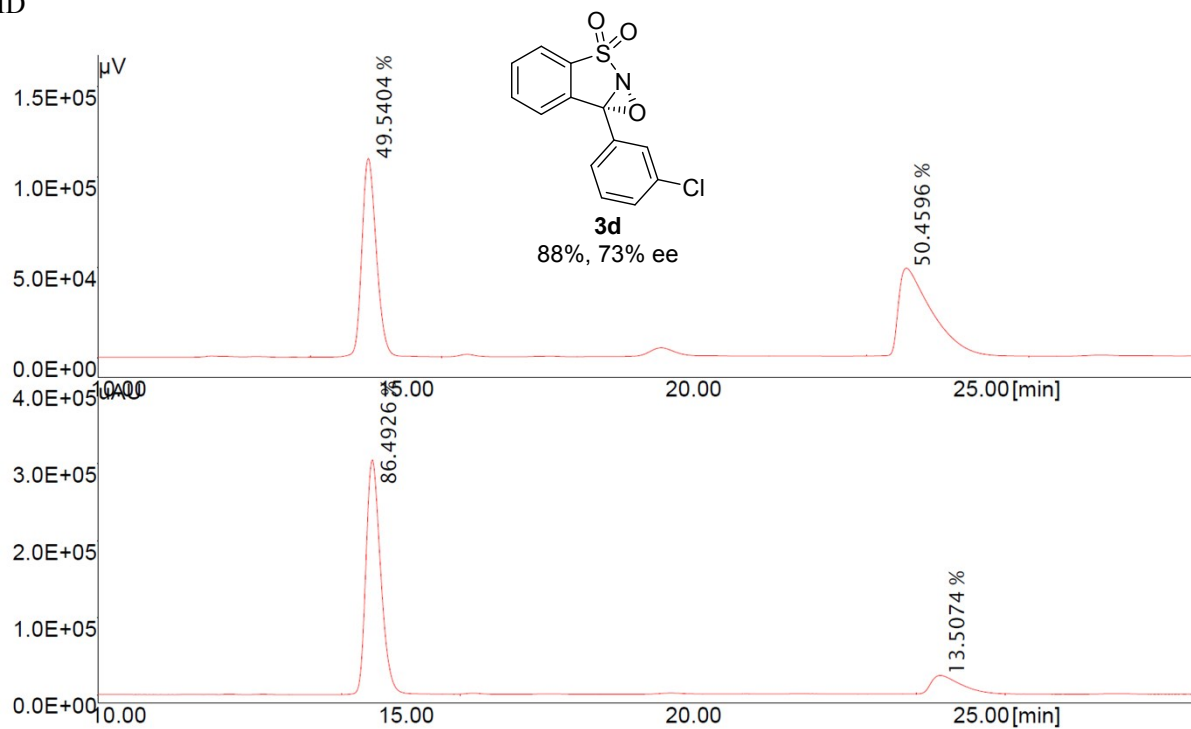


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ID

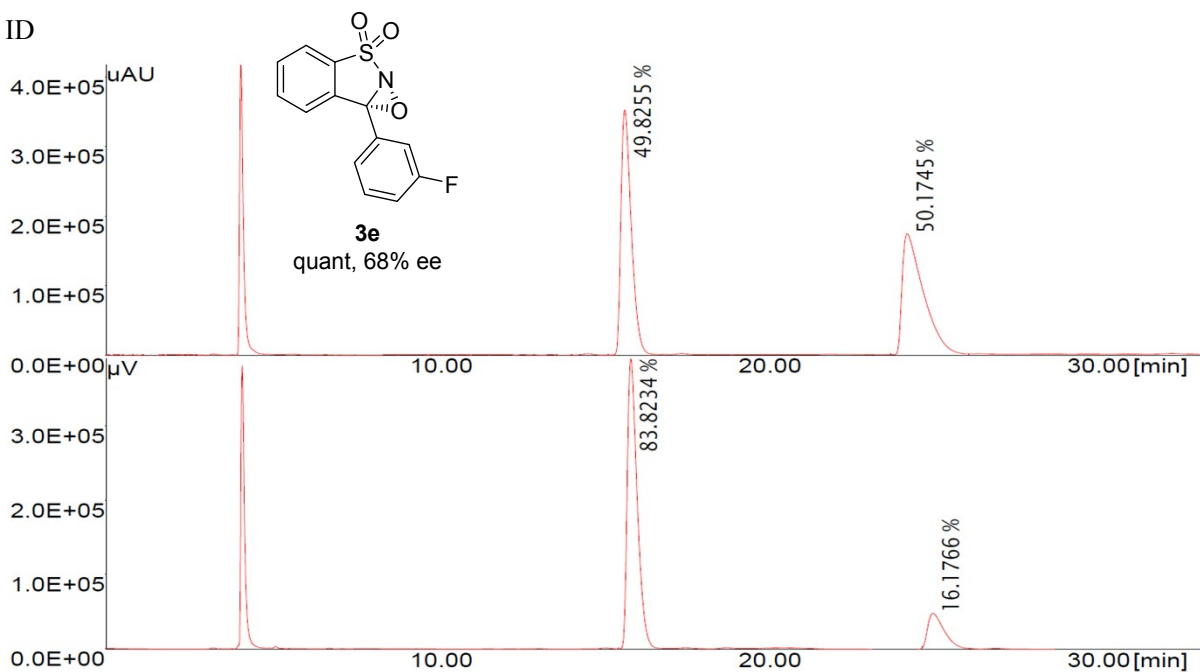


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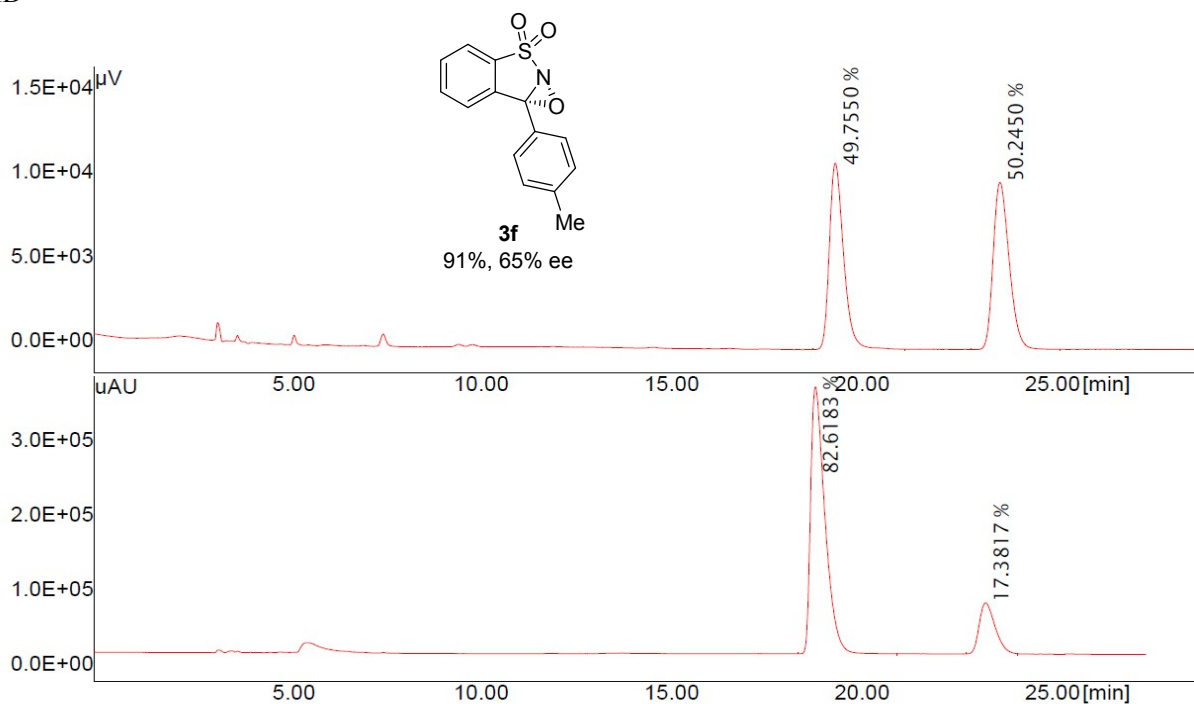
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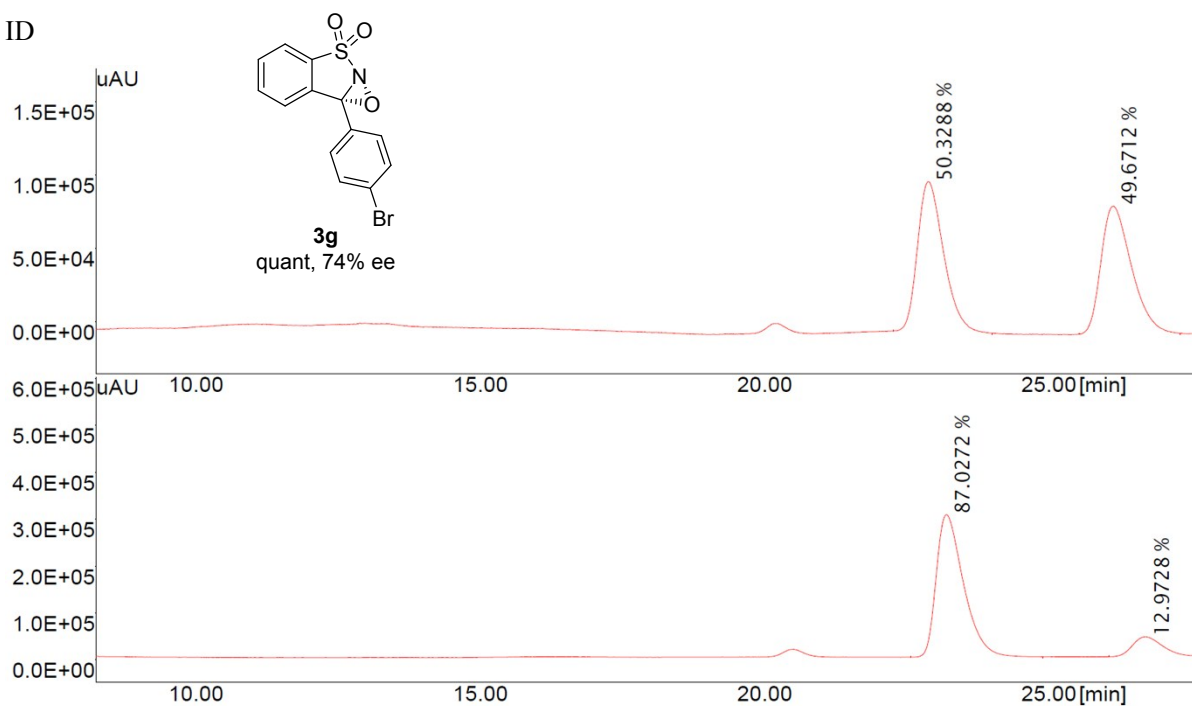
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ID



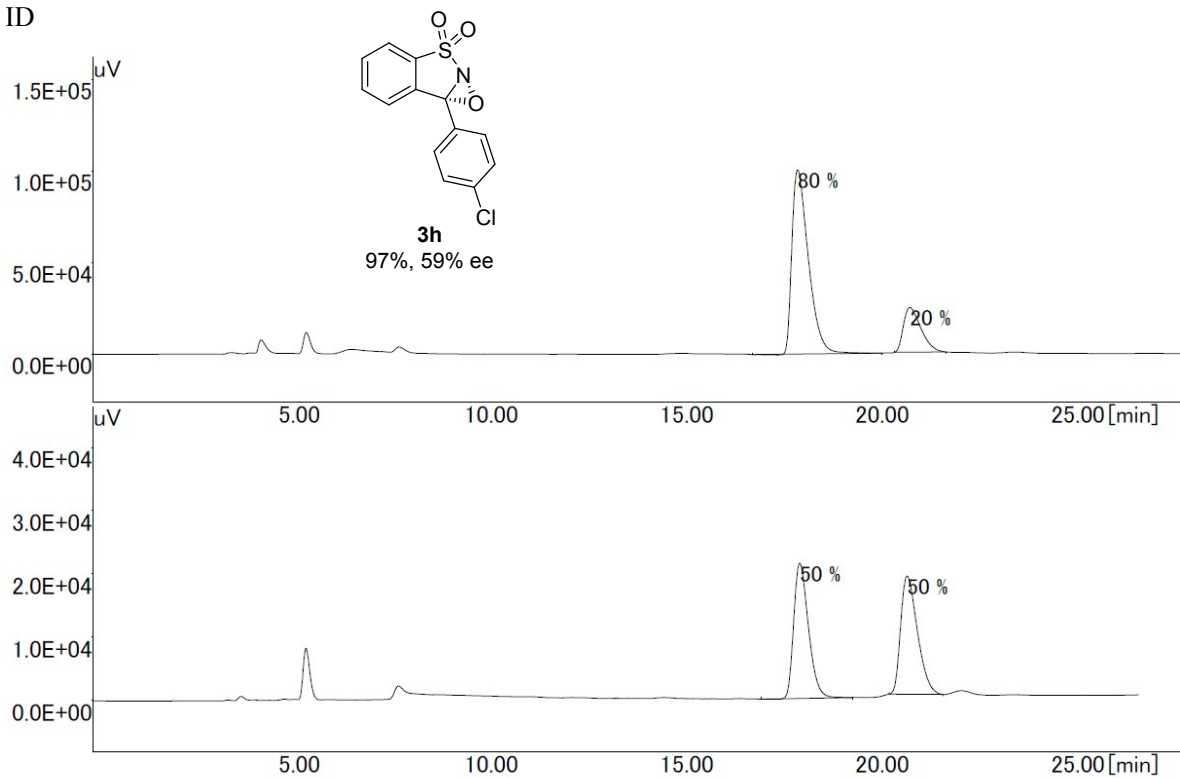
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ID



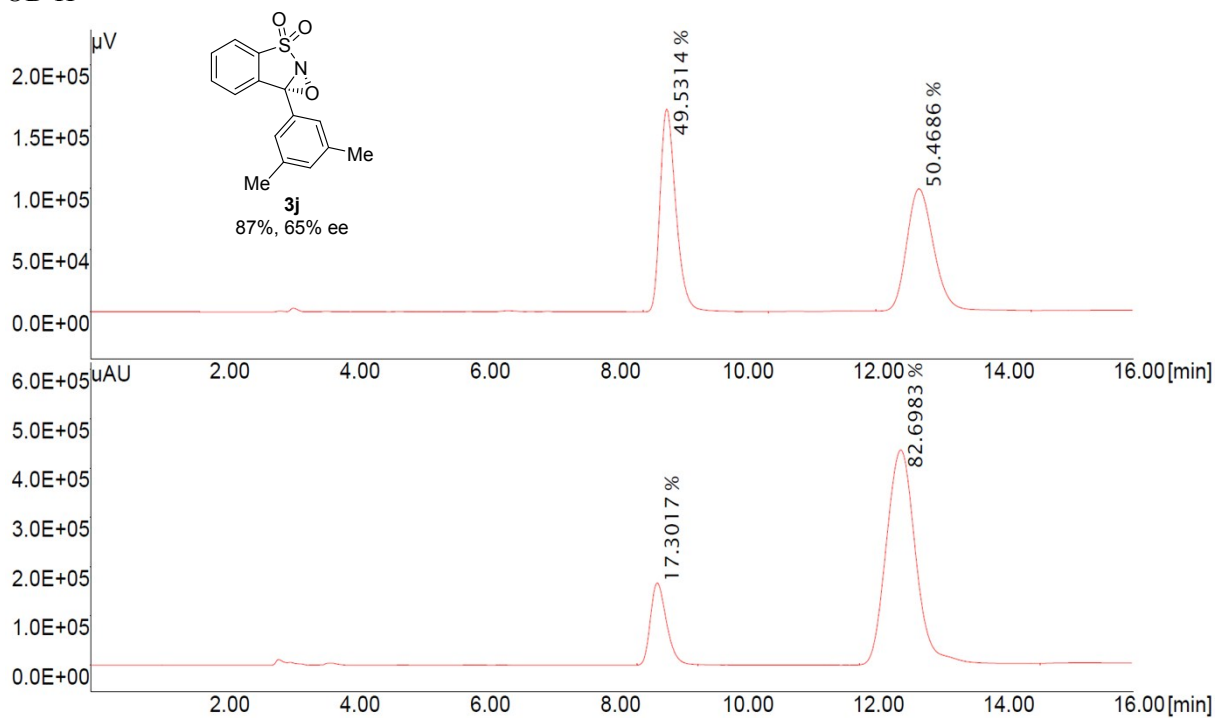
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2		26.813	1513237.623	12.97

ID



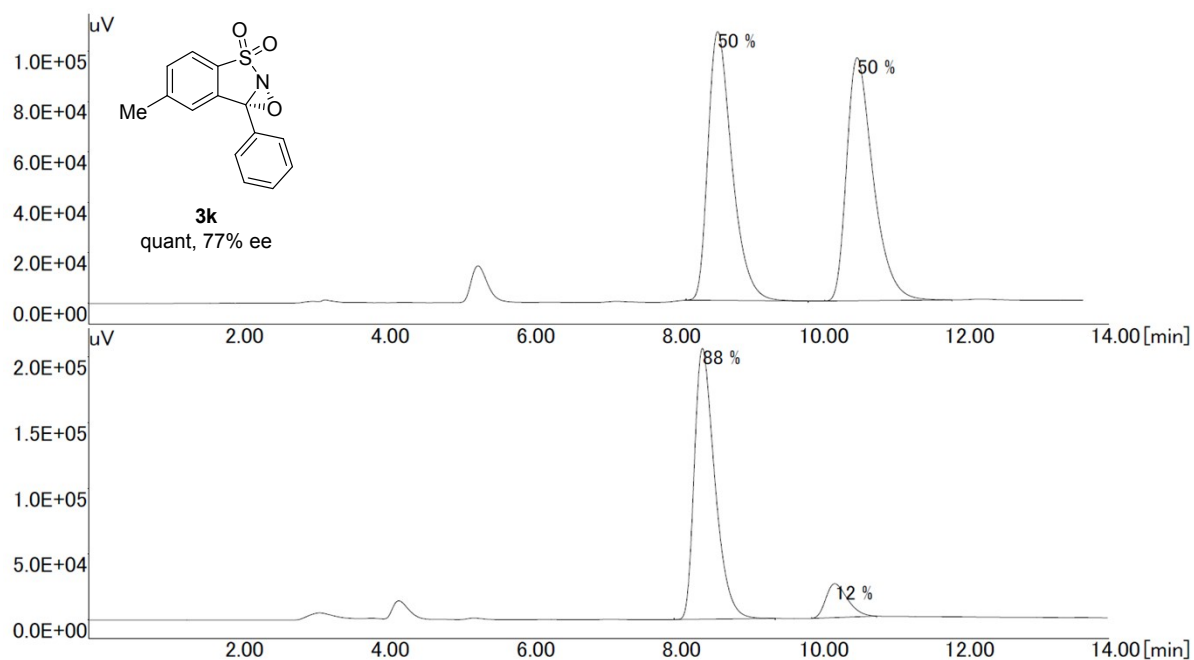
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OD-H



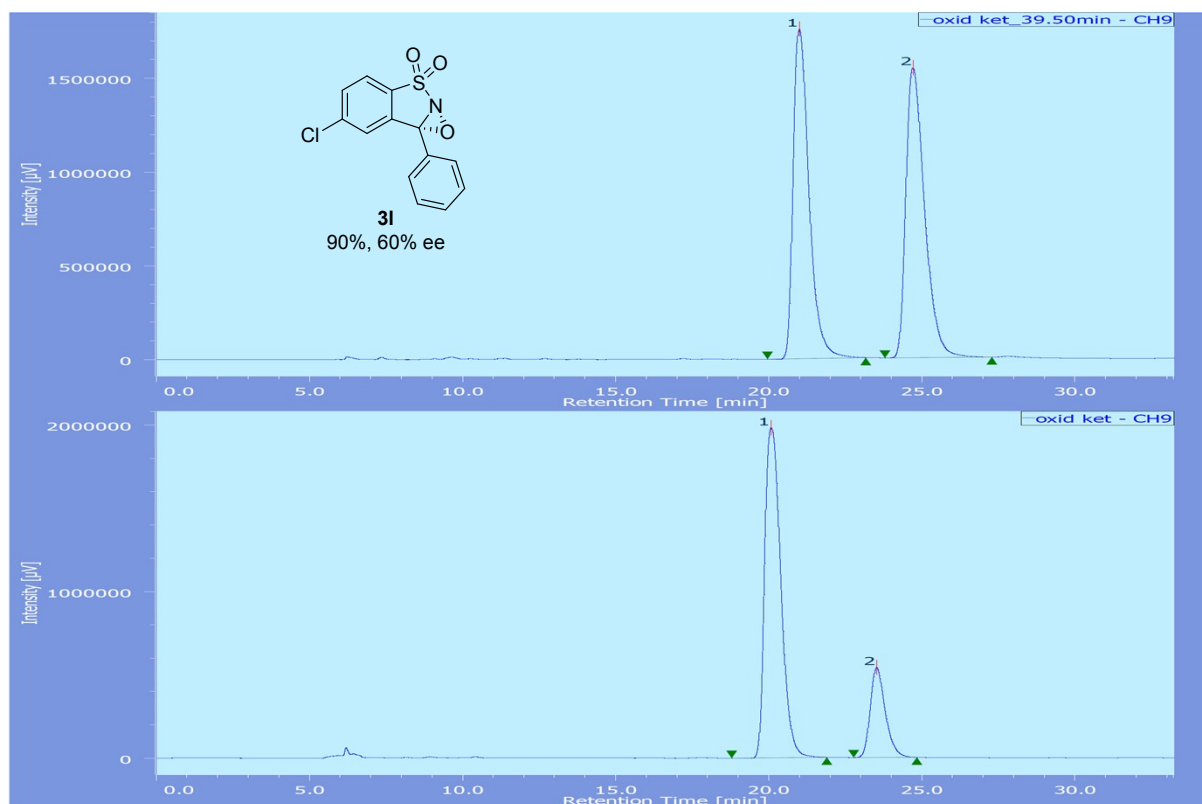
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IA



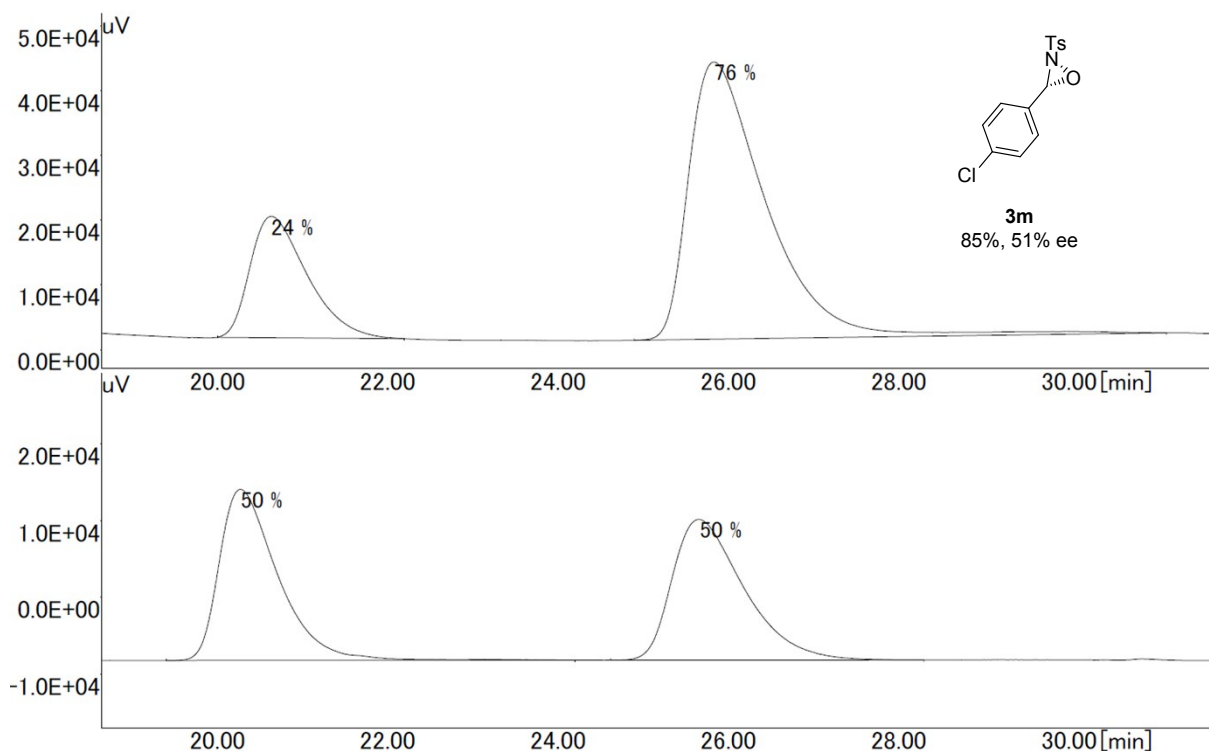
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IA



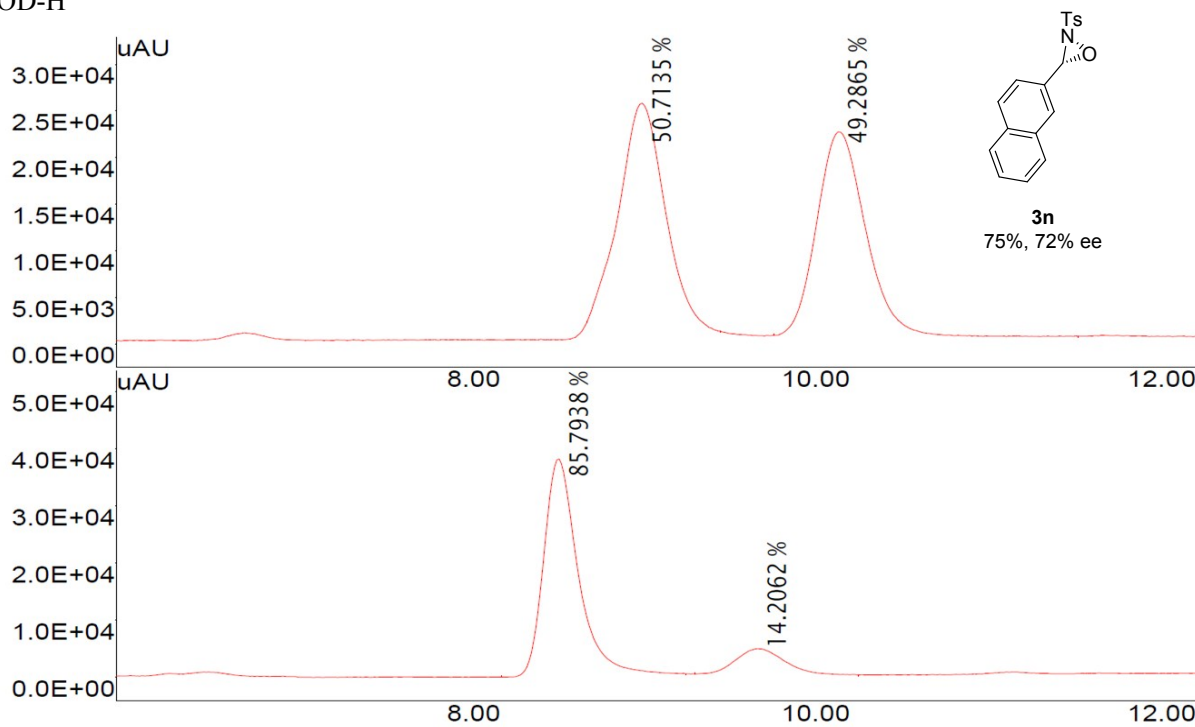
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2	Unknown	9	23.502	18315041	540320	20.264	21.439	N/A	11704	N/A	1.315	

OJ



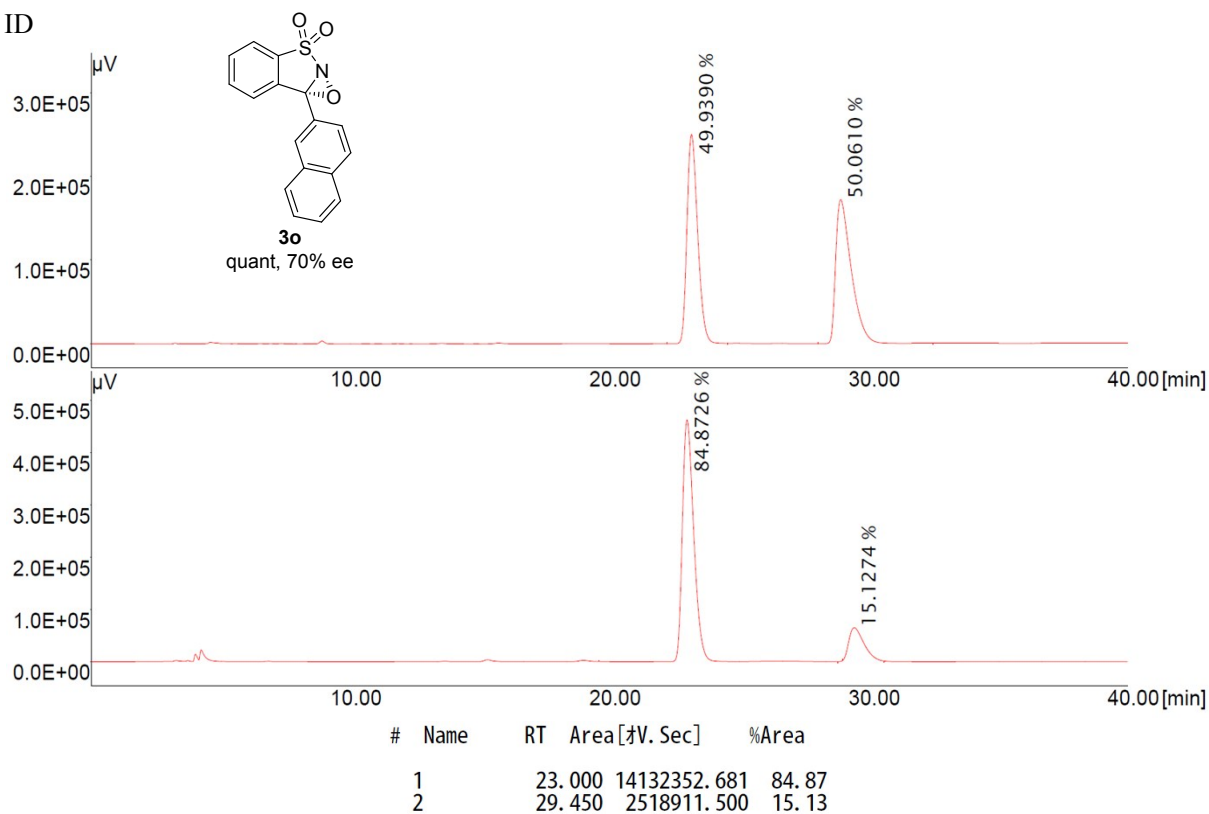
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OD-H

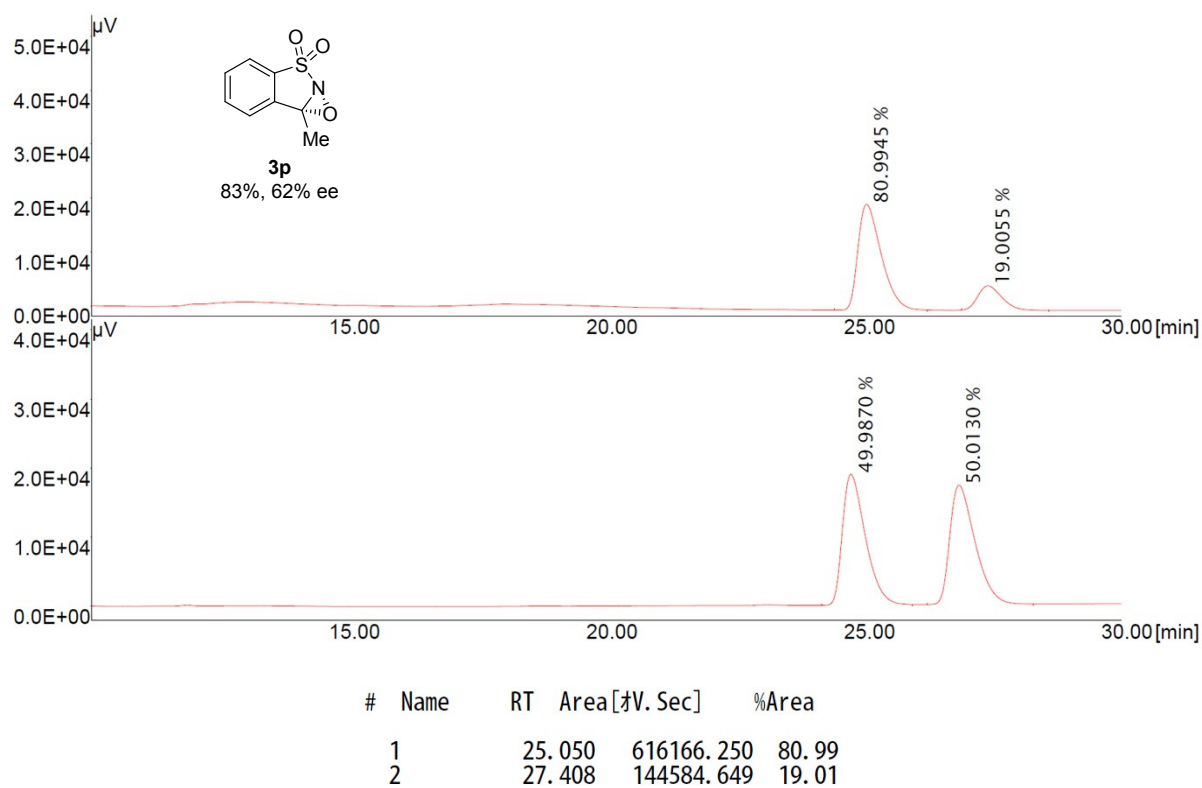


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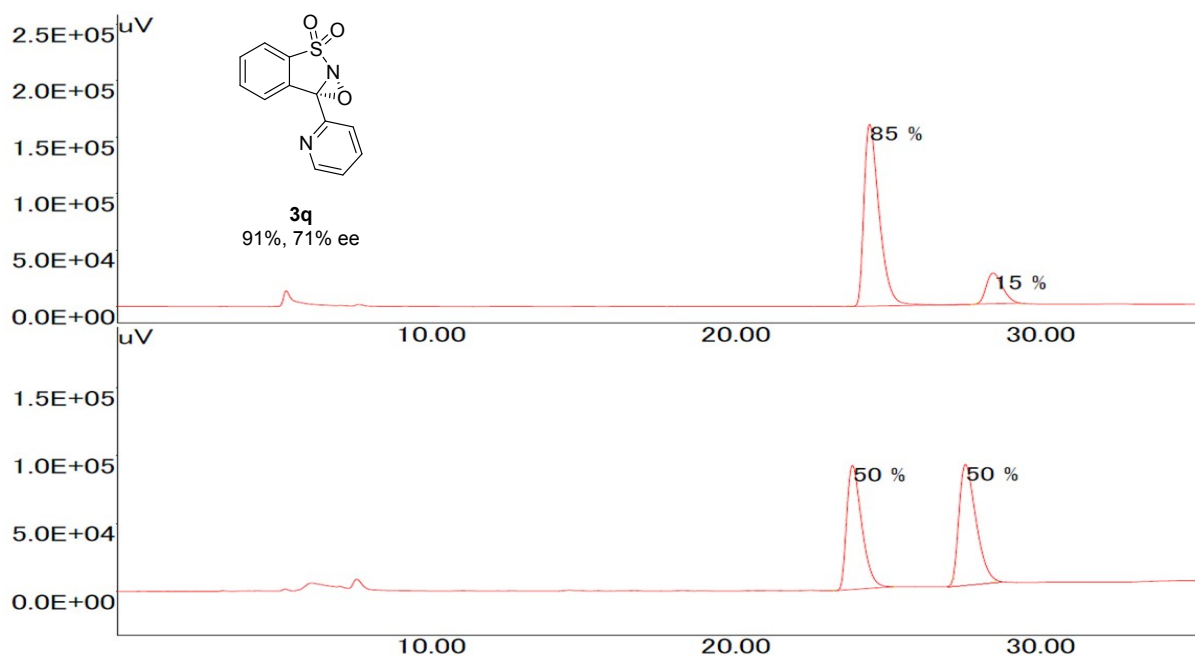
ID



ID



ID



#	ピーク名	Rt	ピーク名	面積%	定量値
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