

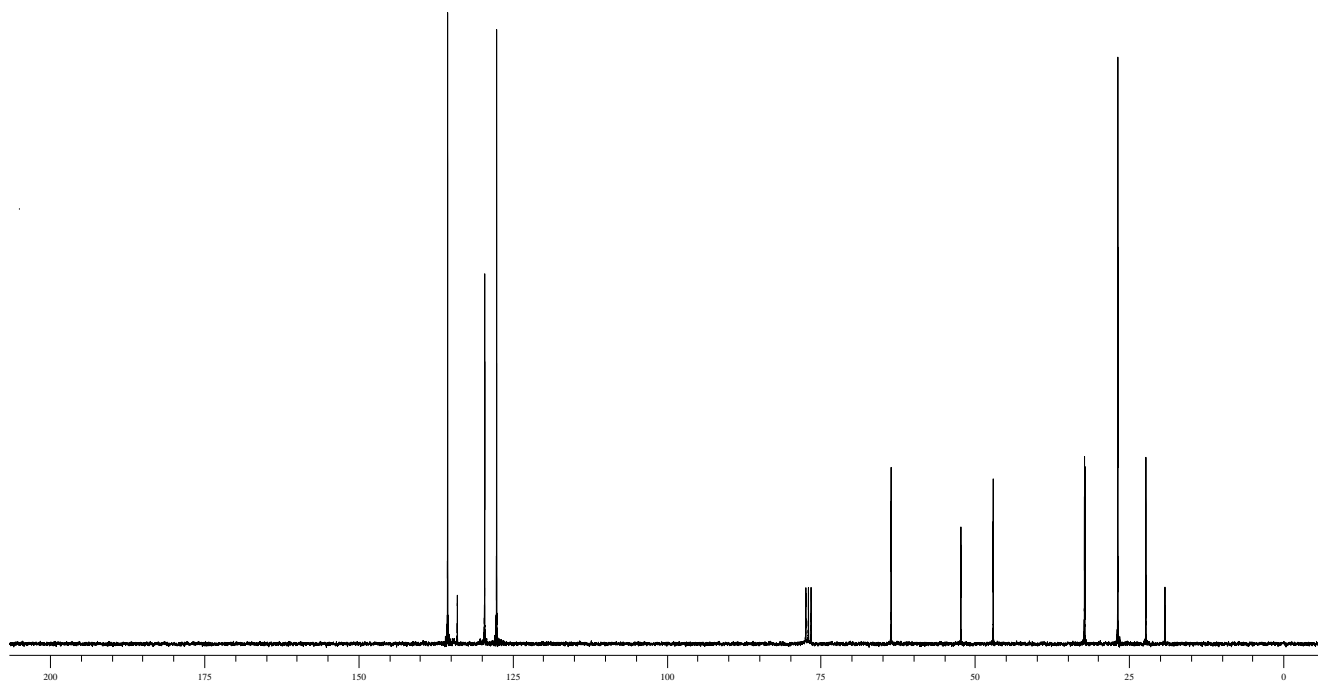
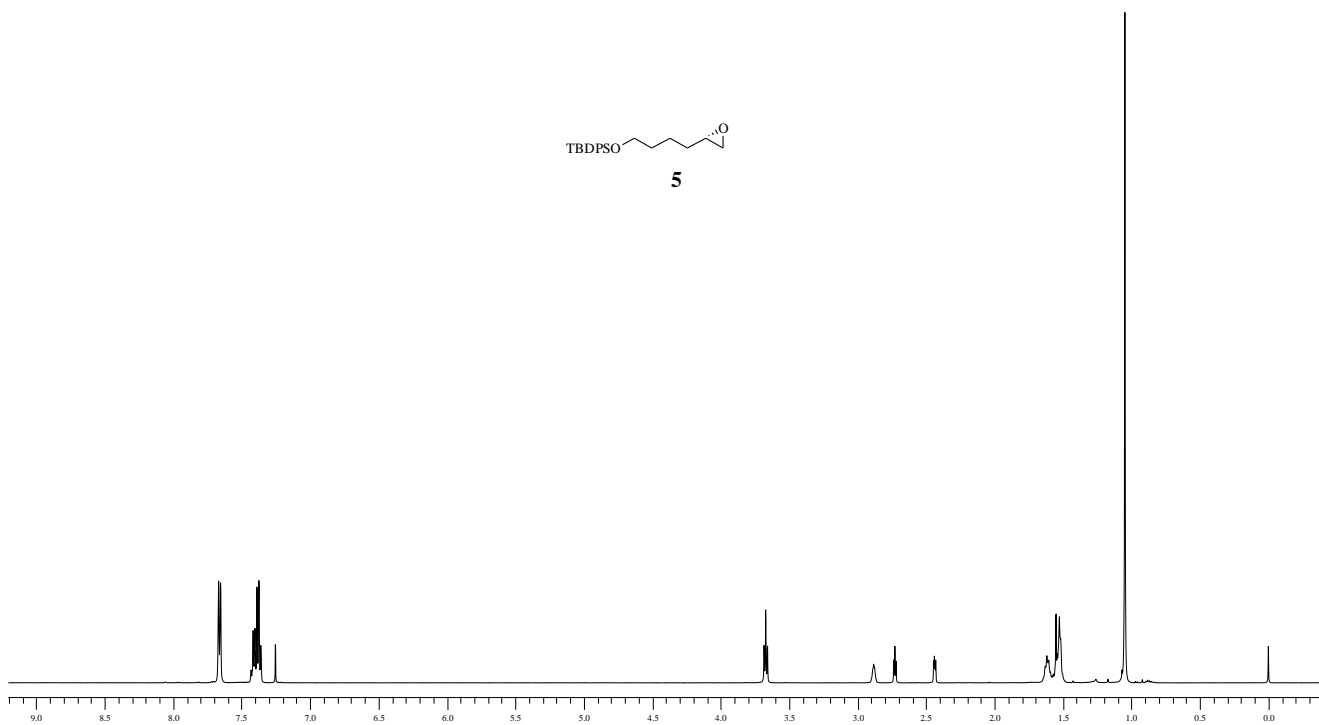
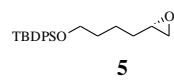
Total synthesis and revision of the absolute configuration of seimatopolide B

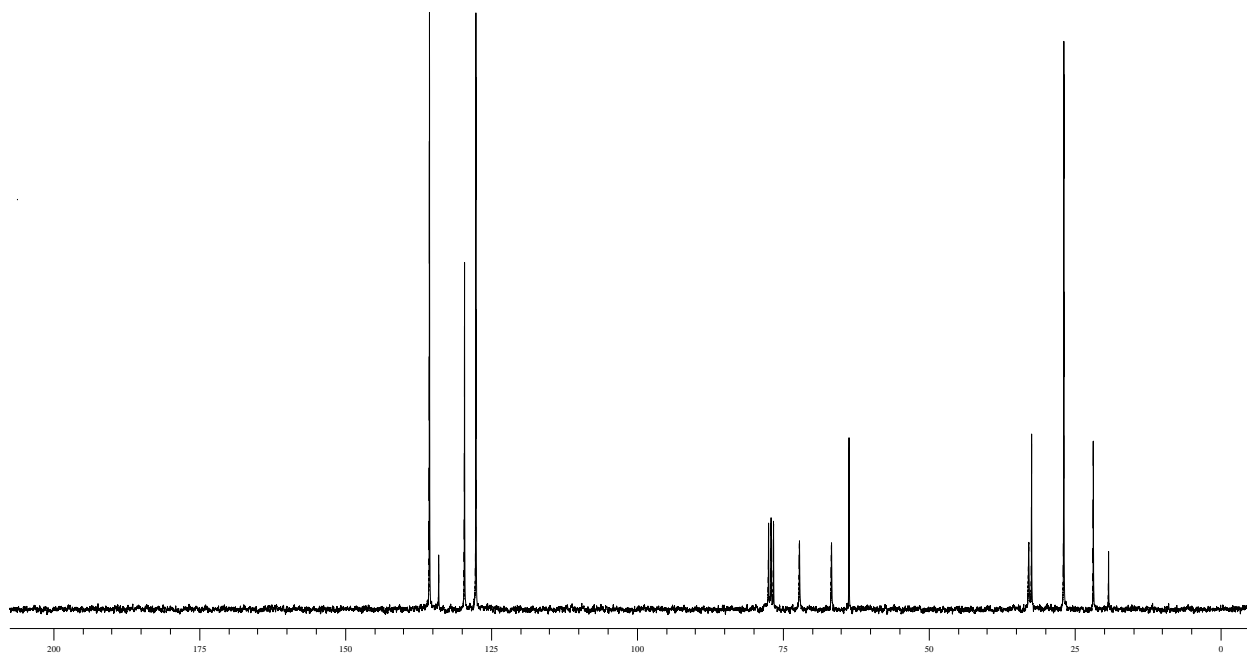
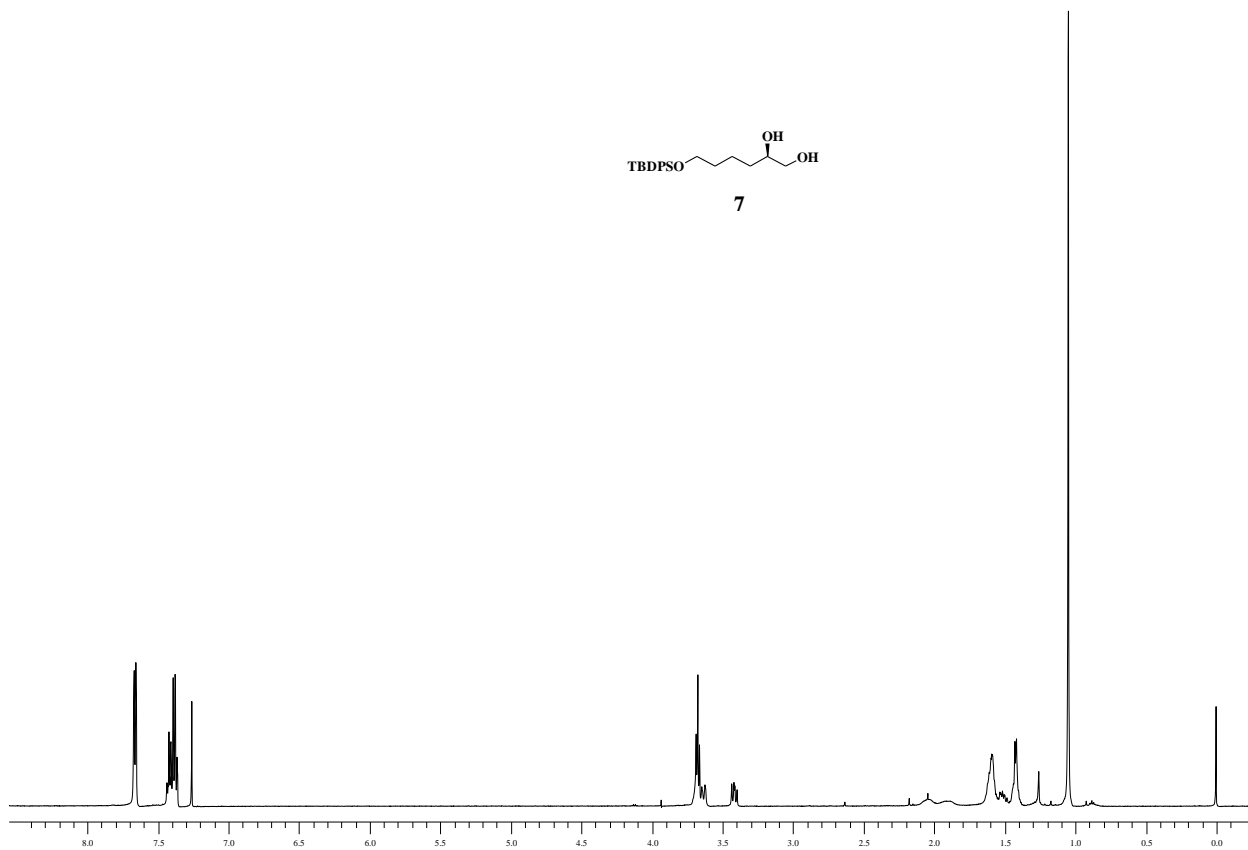
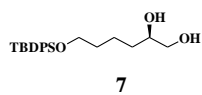
Chada Raji Reddy,* Uredi Dilipkumar, Motatipally Damoder Reddy and Nagavaram Narsimha Rao

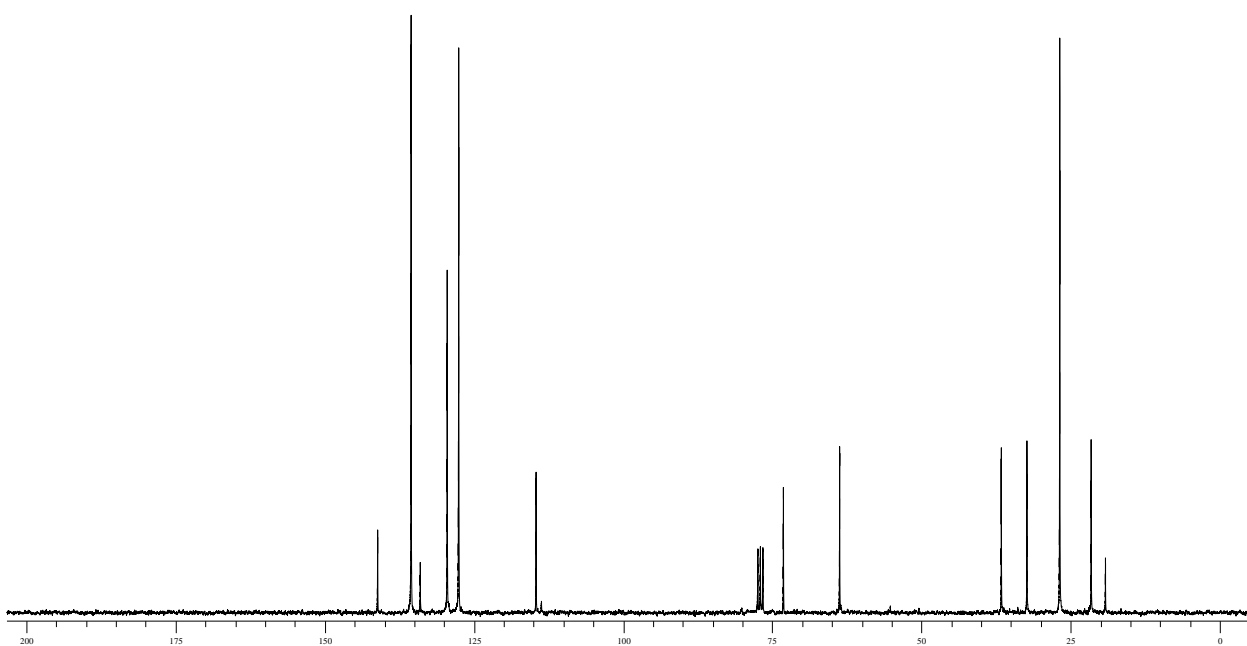
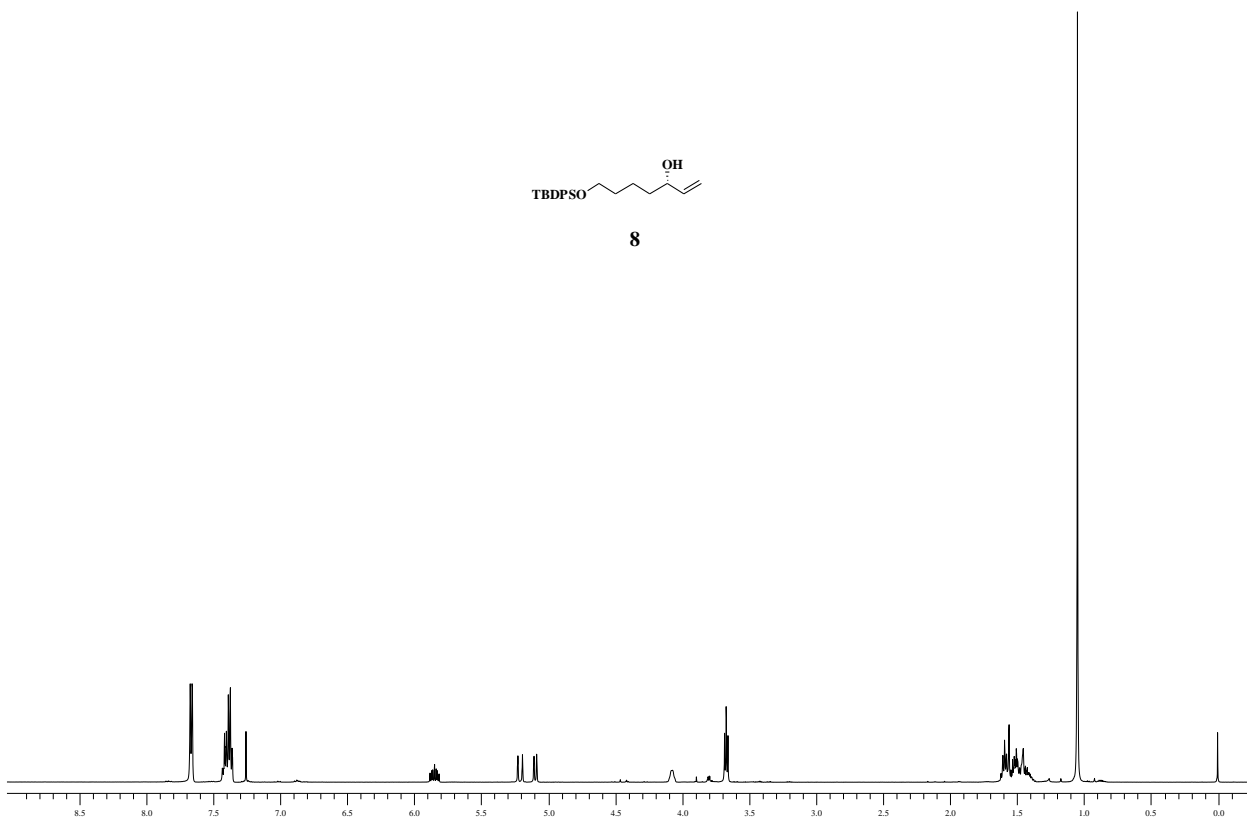
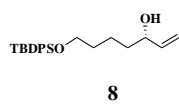
*Division of Natural Products Chemistry, CSIR-Indian Institute of Chemical Technology,
Hyderabad 500 007, India*

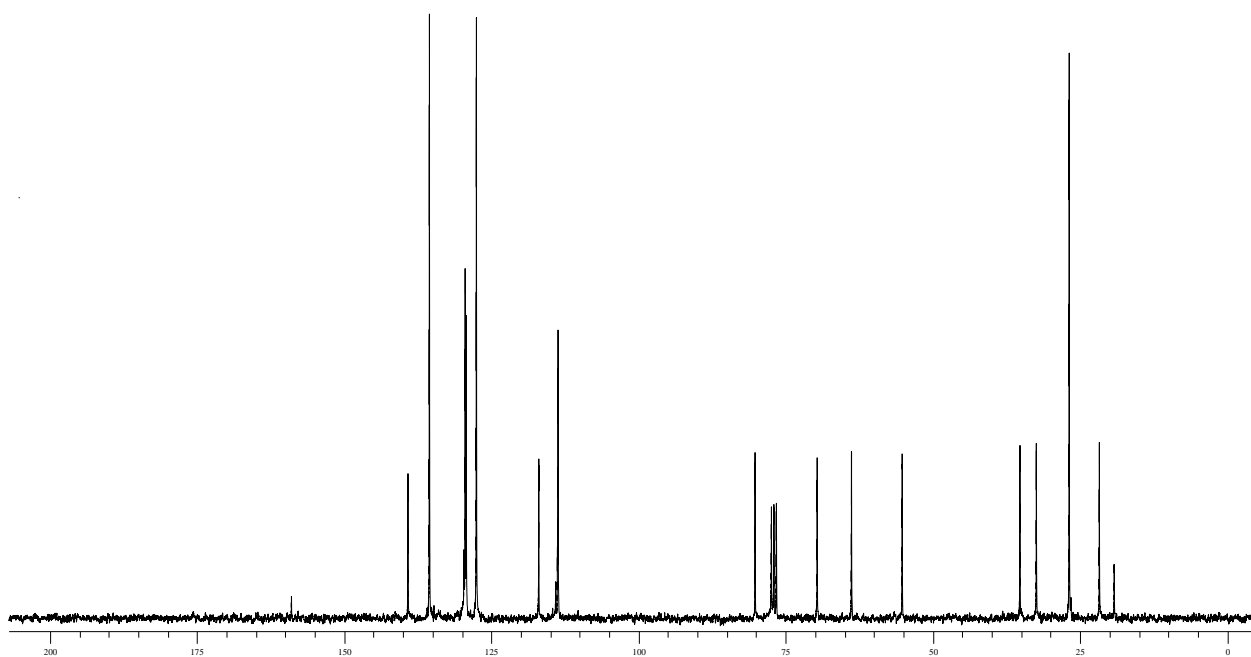
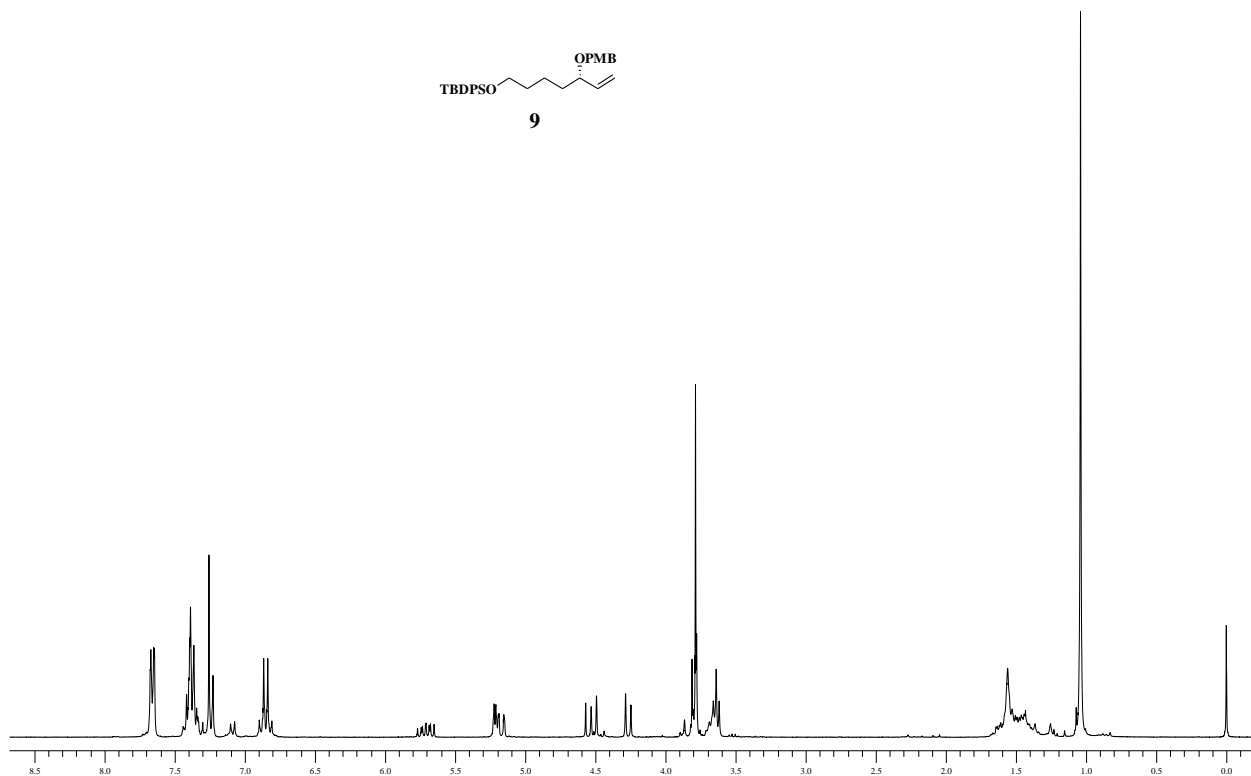
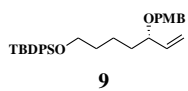
E-mail: rajireddy@iict.res.in

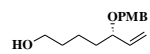
- **Copies of ^1H and ^{13}C NMR spectra** (Page 2 - 21)
- **NOESY Spectrum for 2a** (Page 22)
- **Chiral HPLC Chromatograms** (Page 23 - 29)



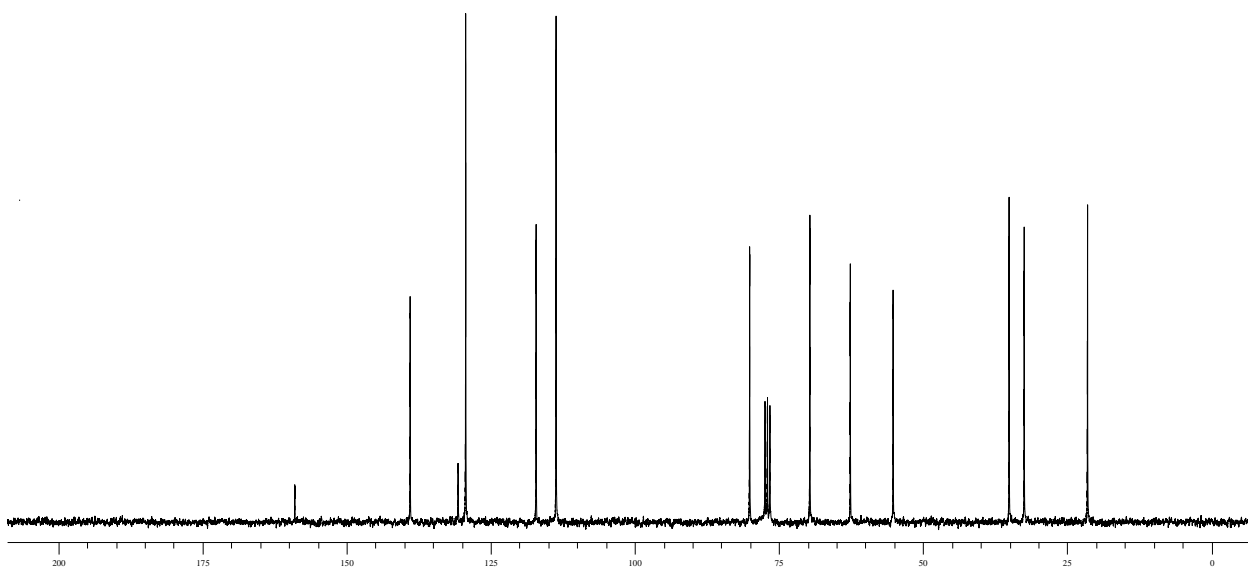
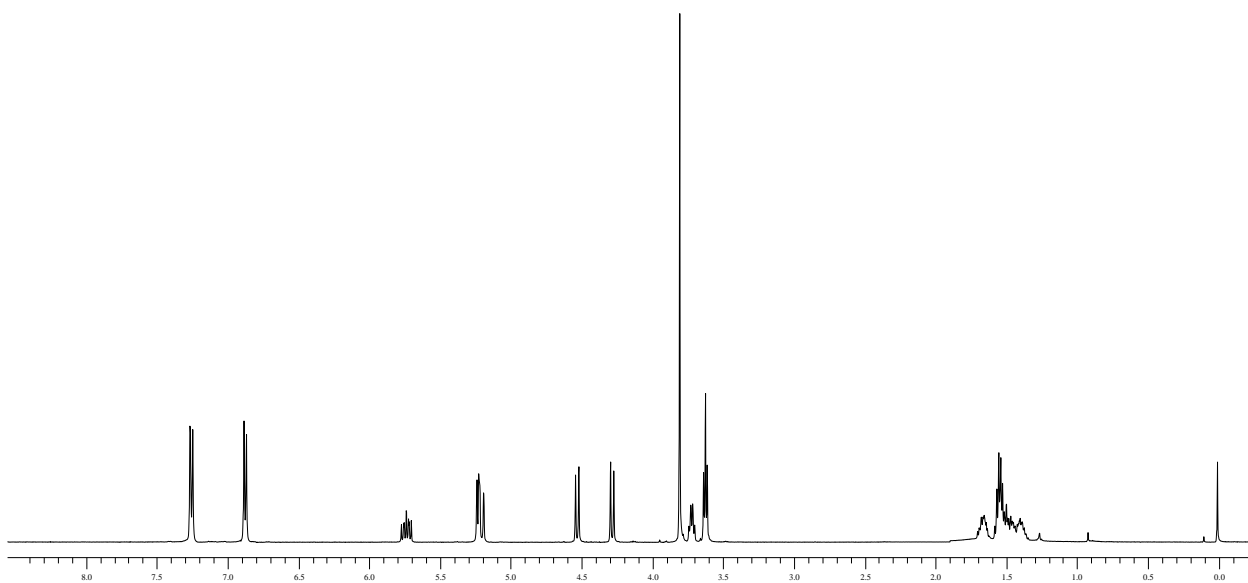


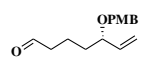




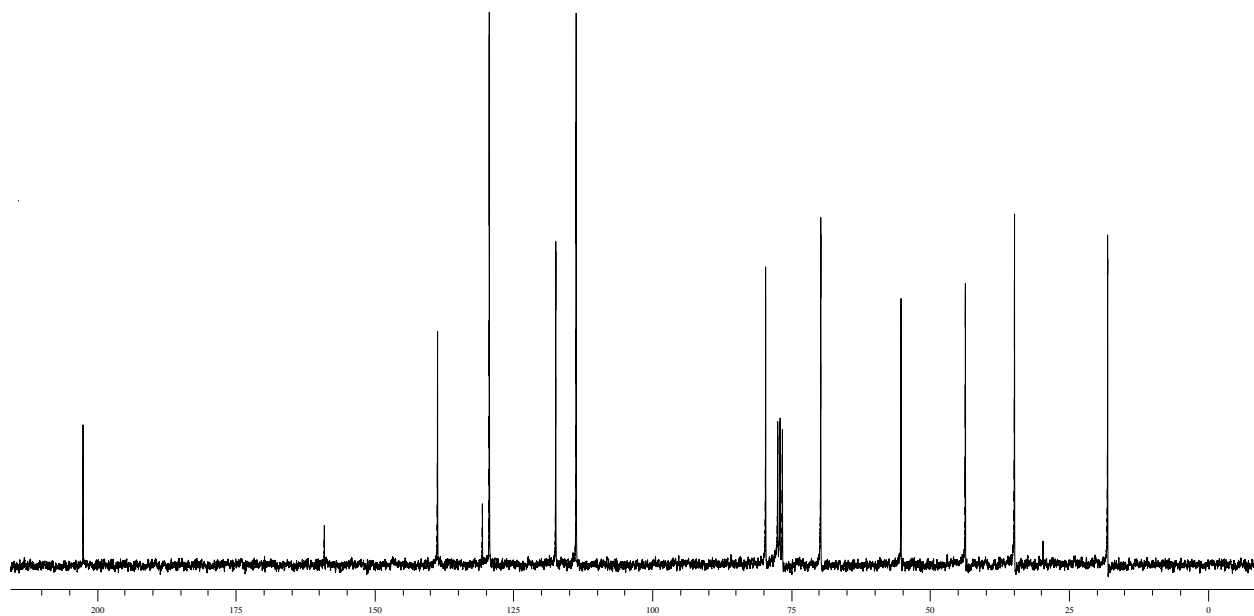
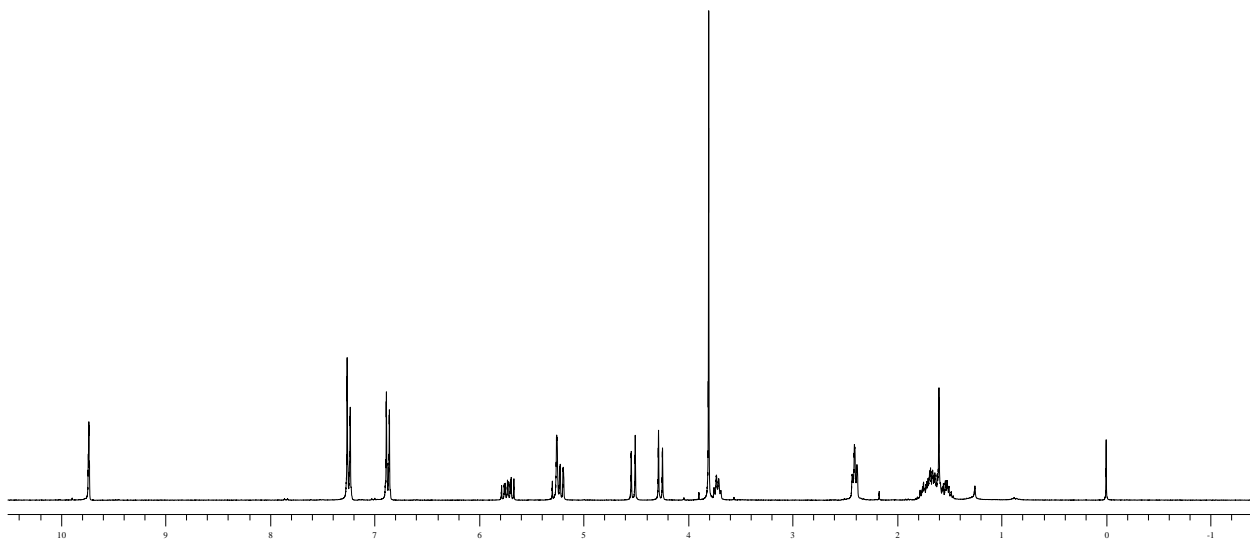


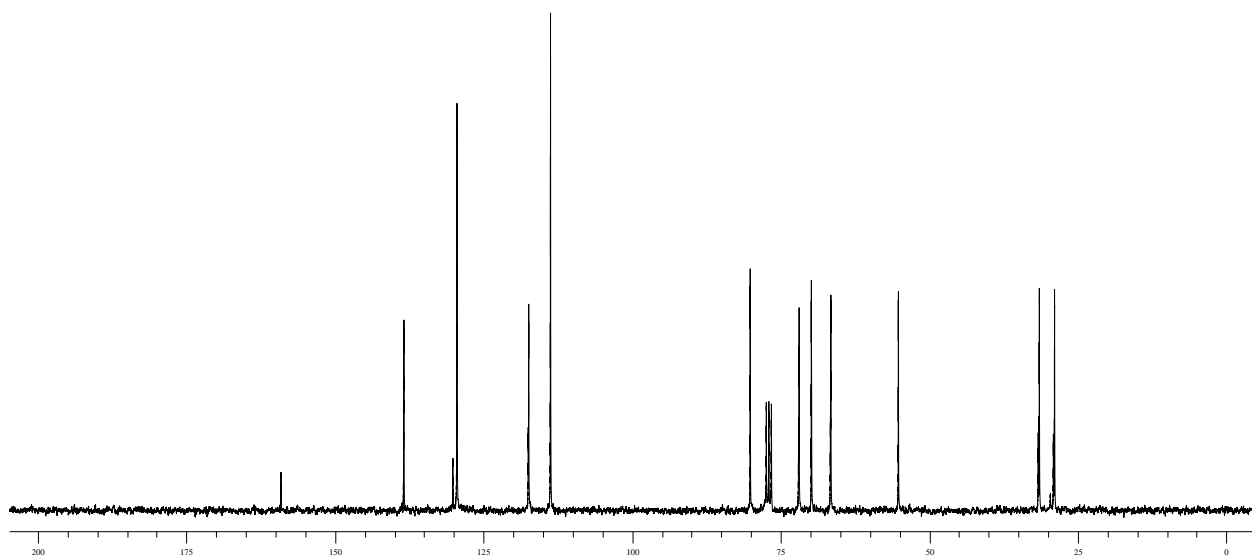
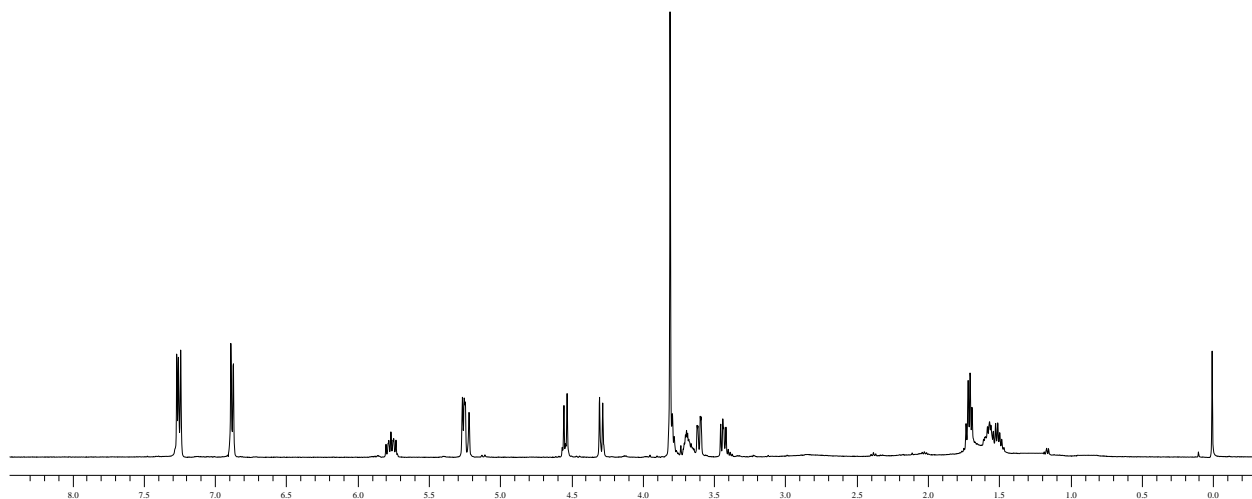
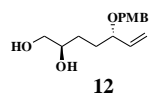
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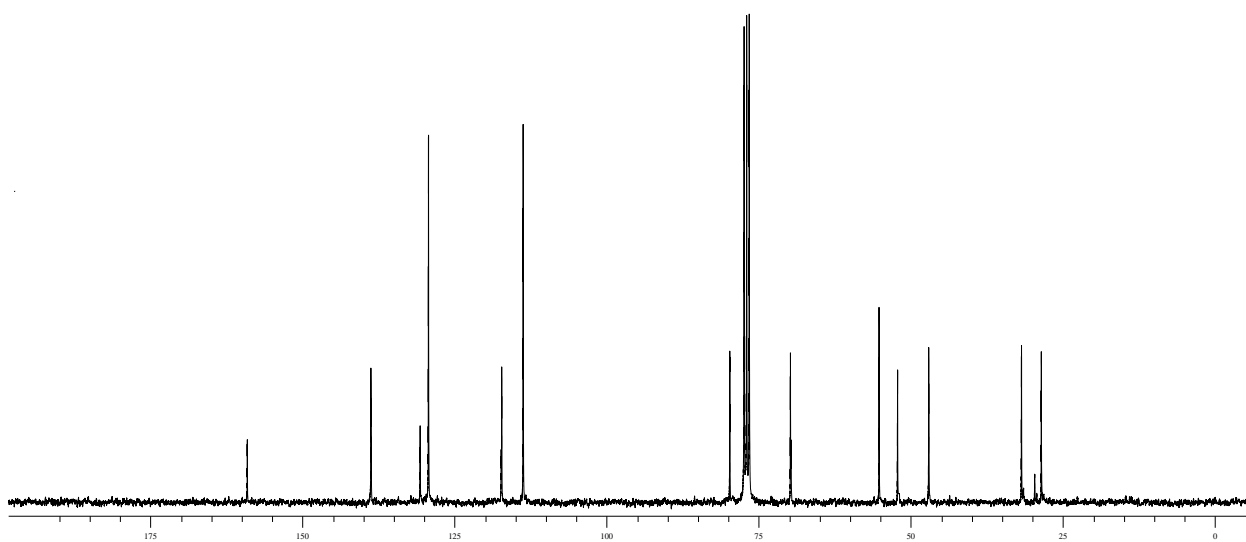
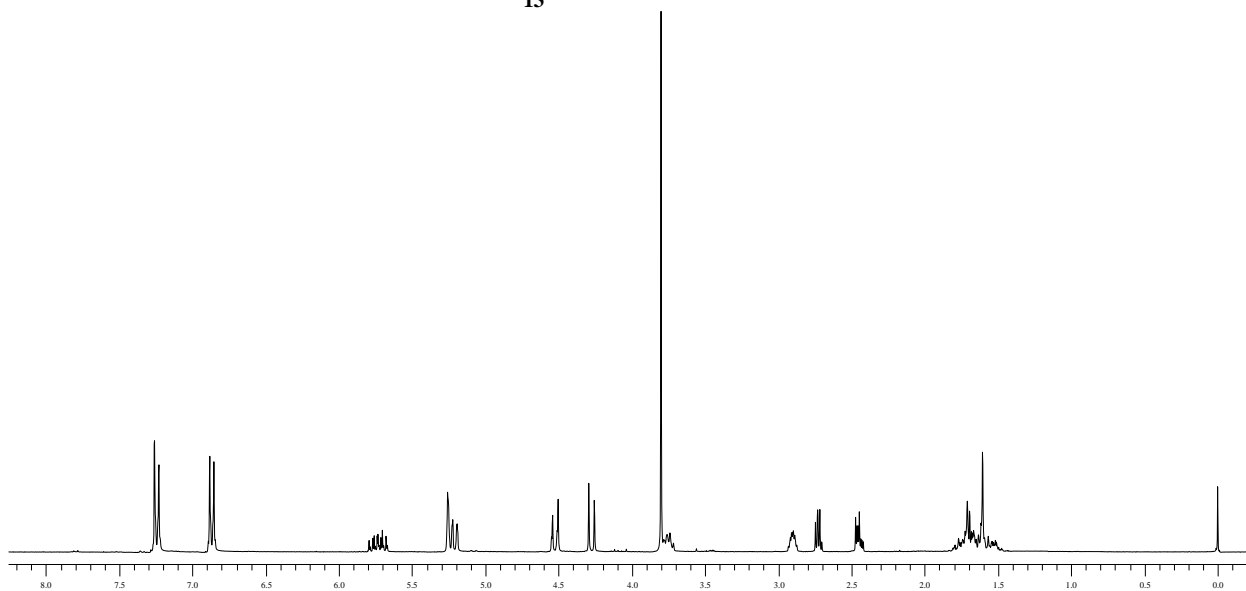
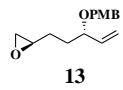


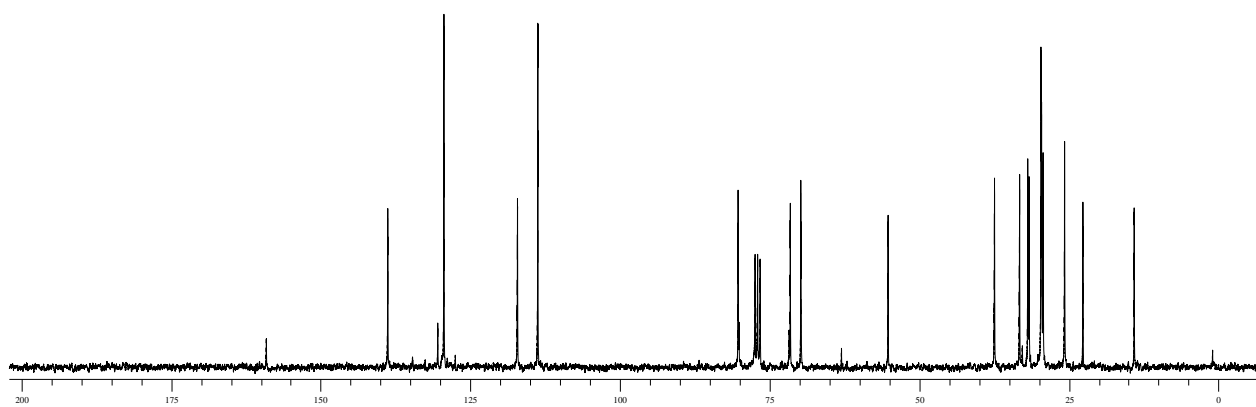
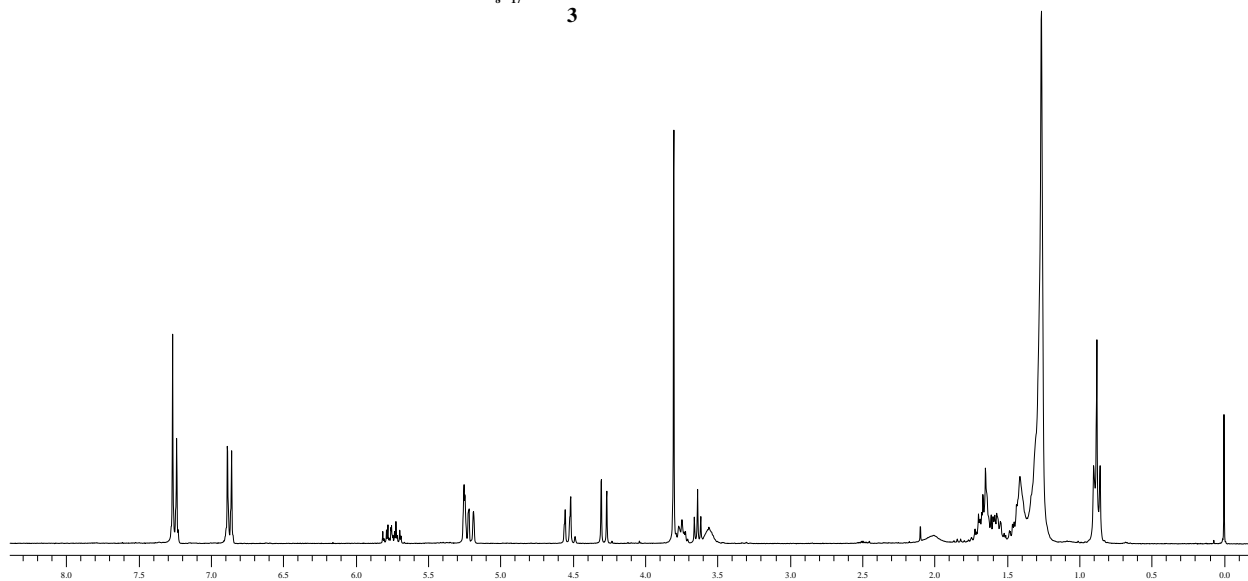
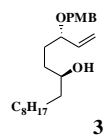


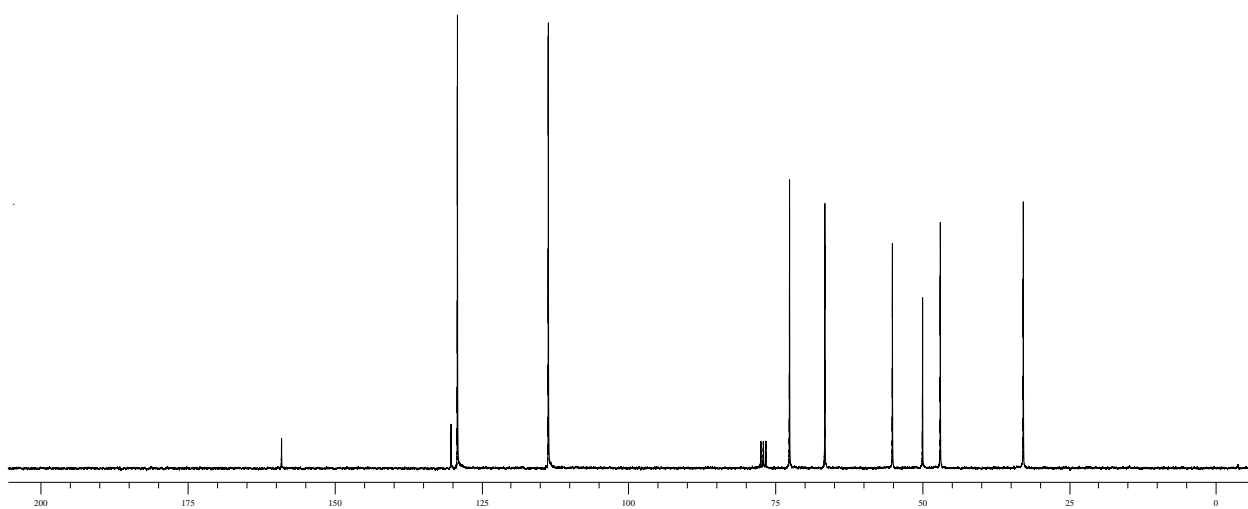
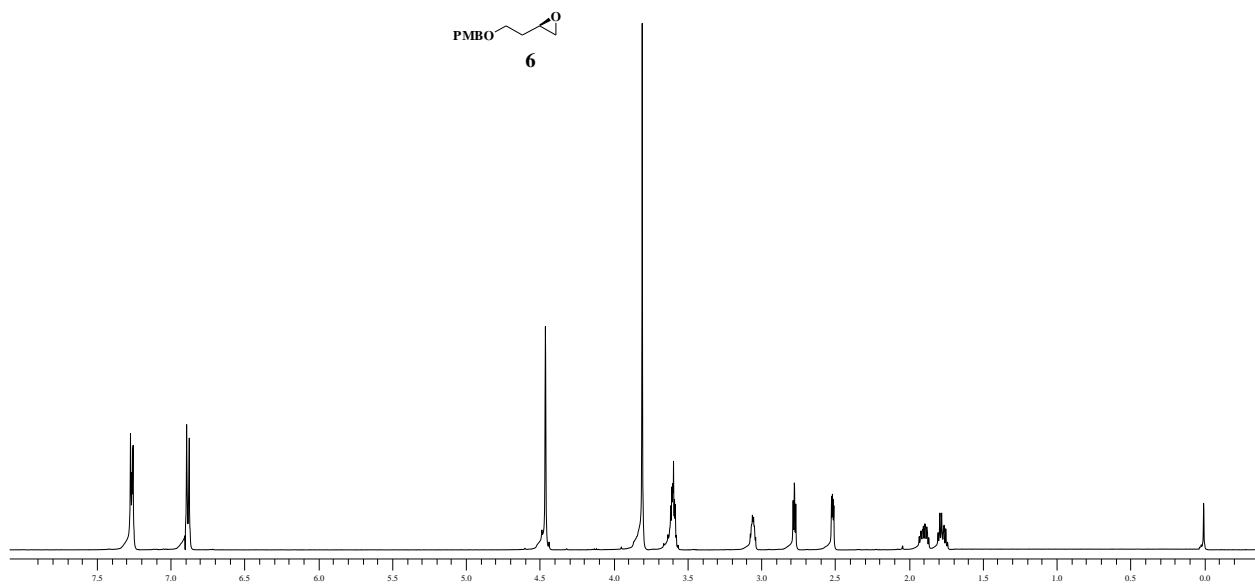
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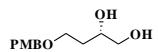




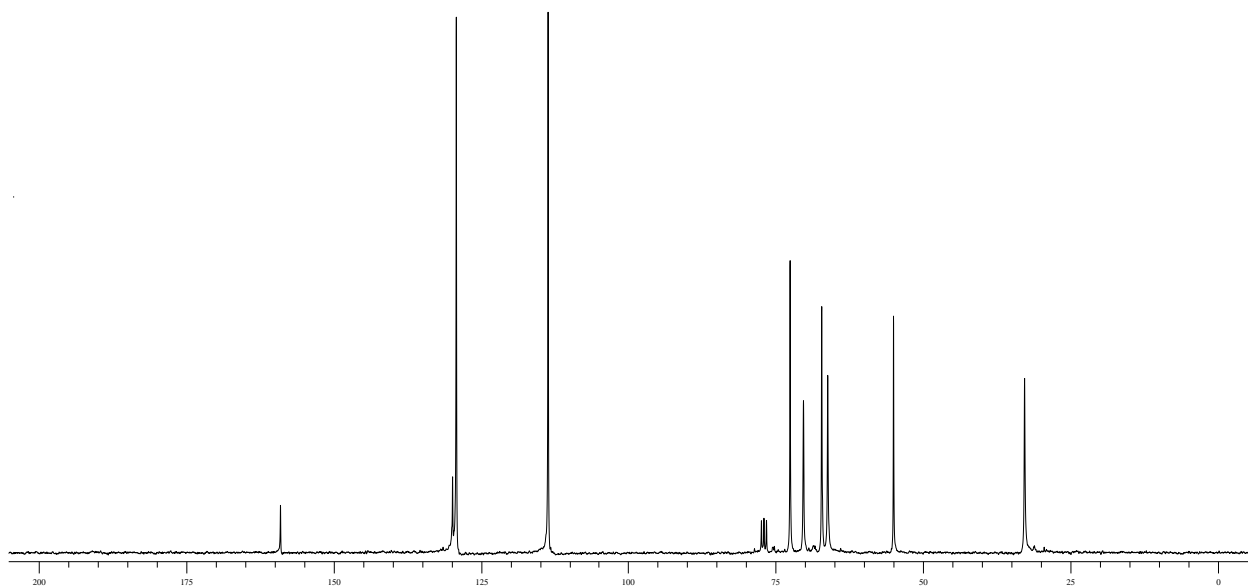
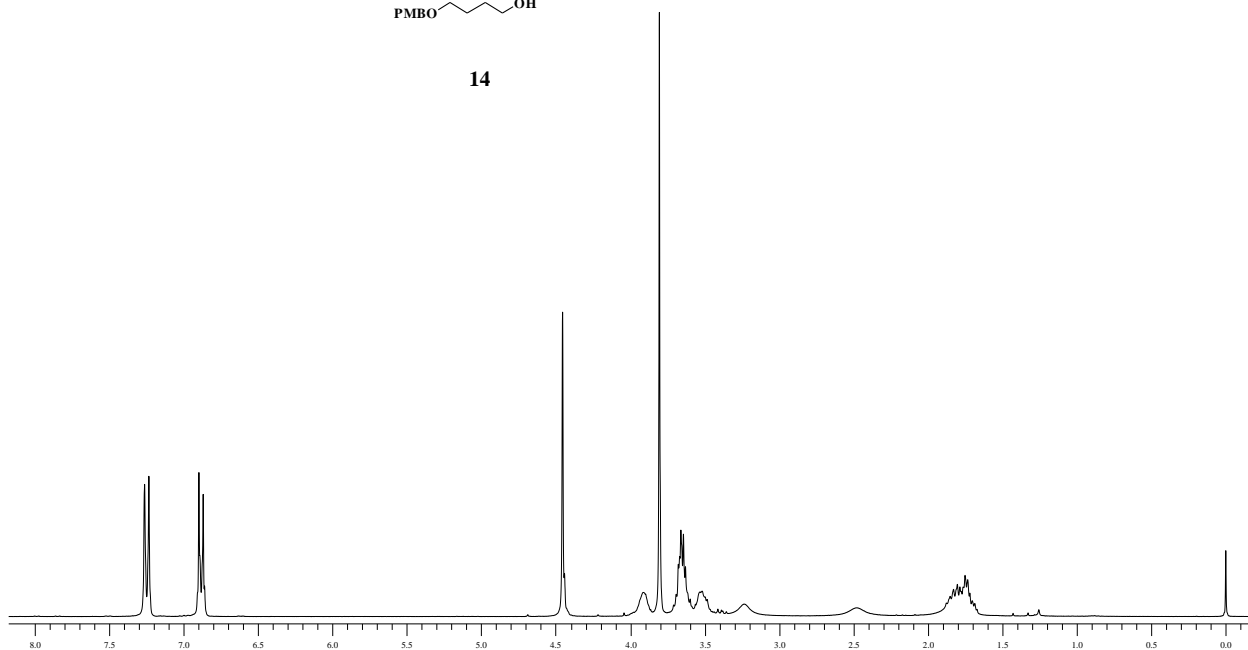


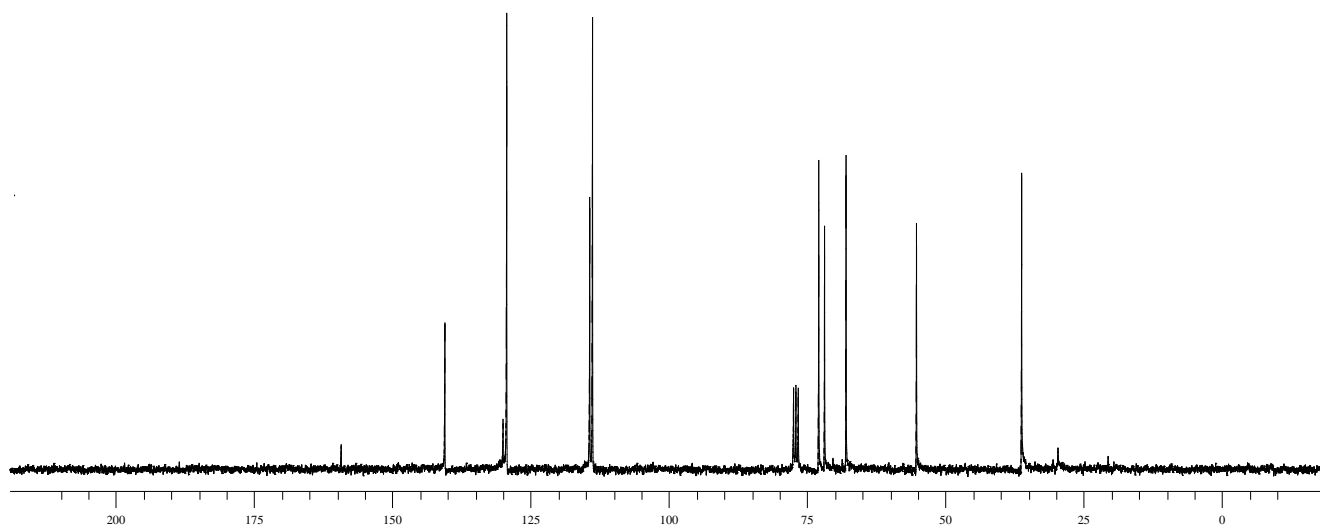
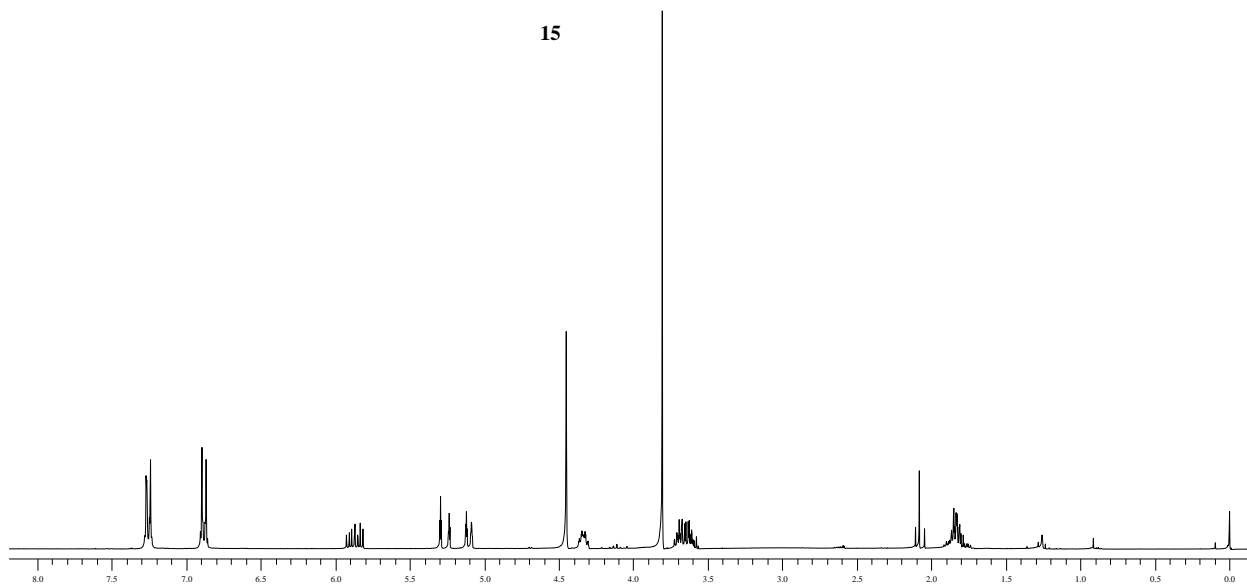
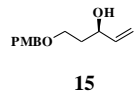


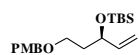




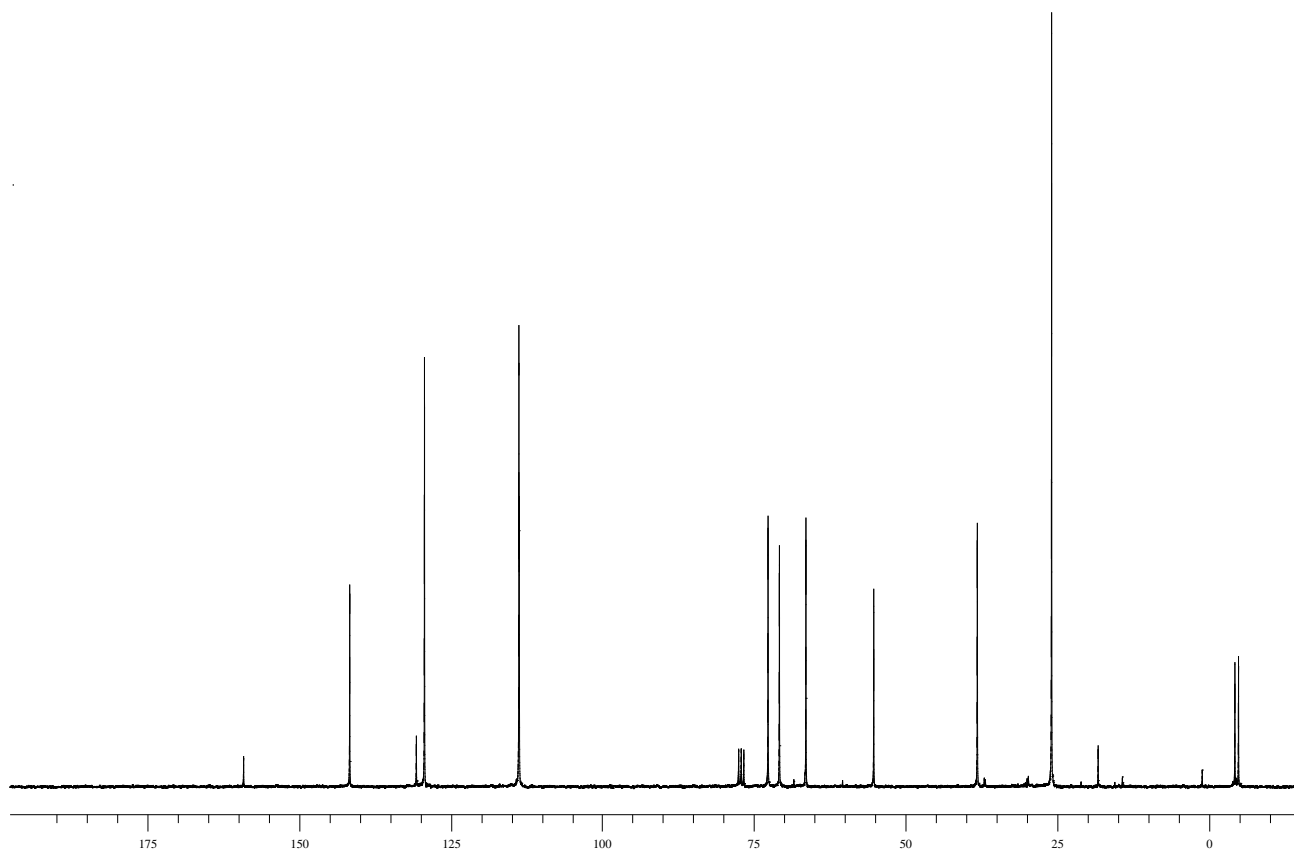
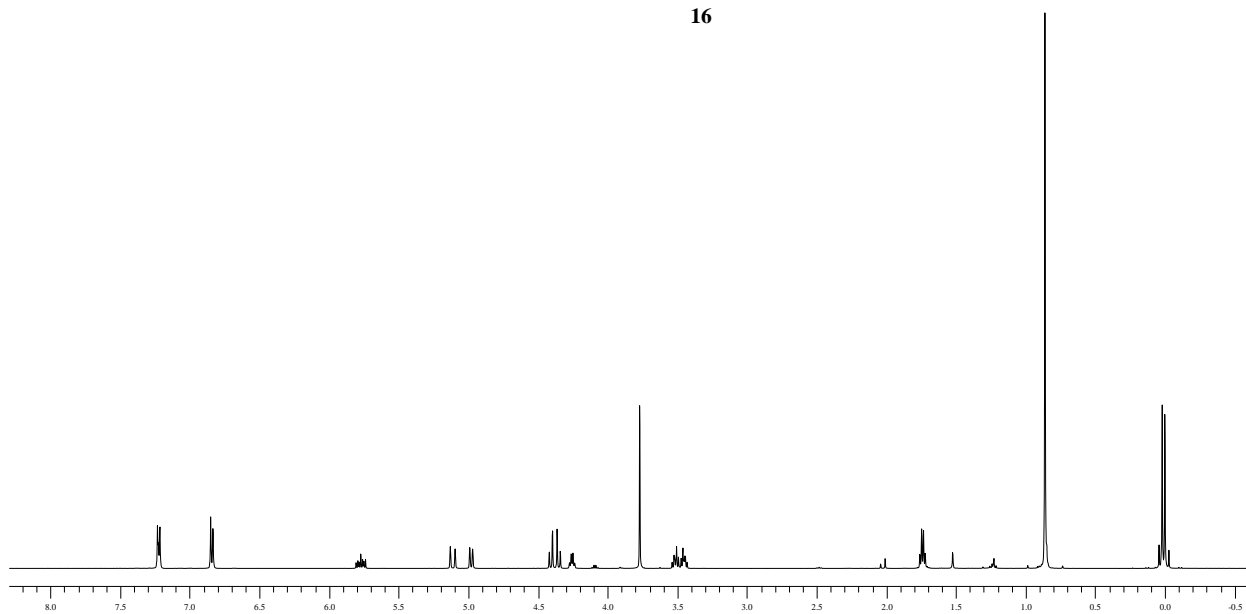
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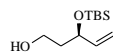




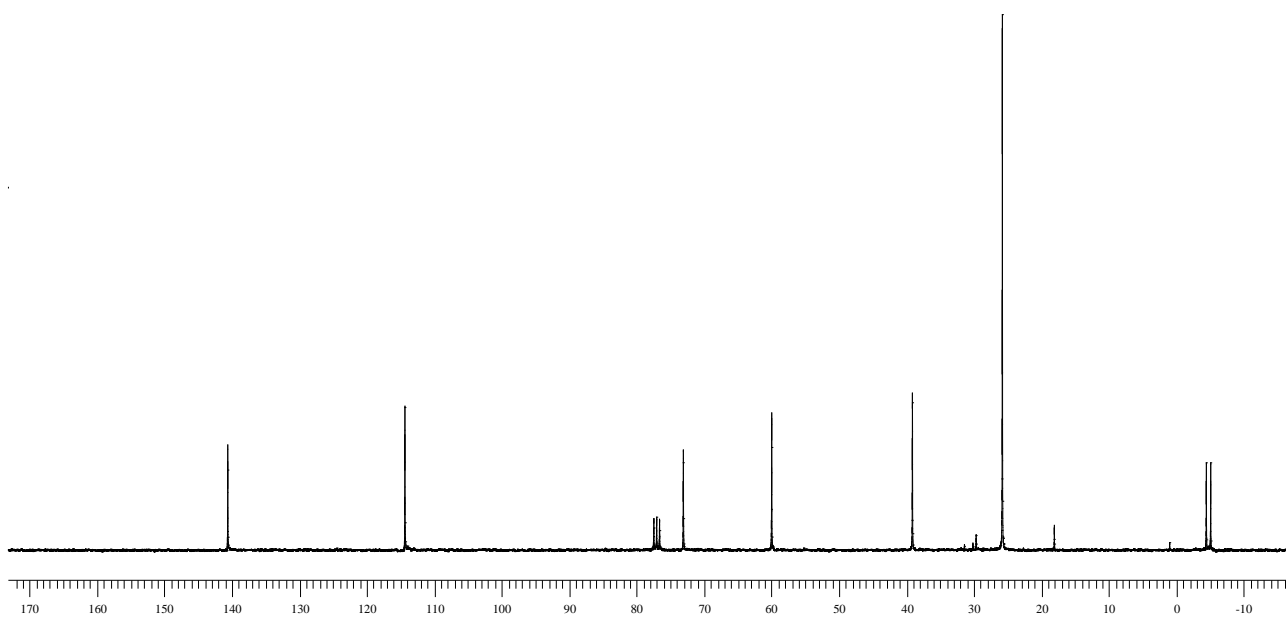
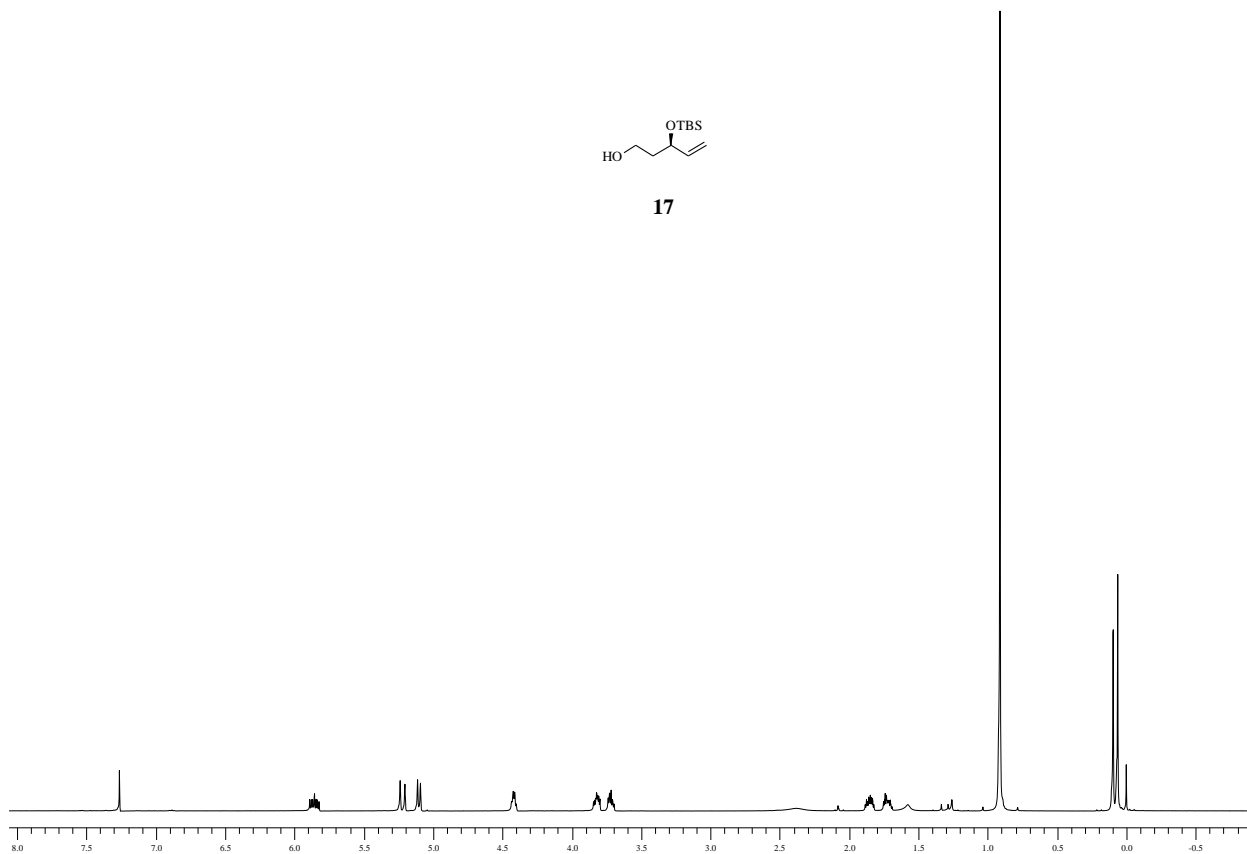


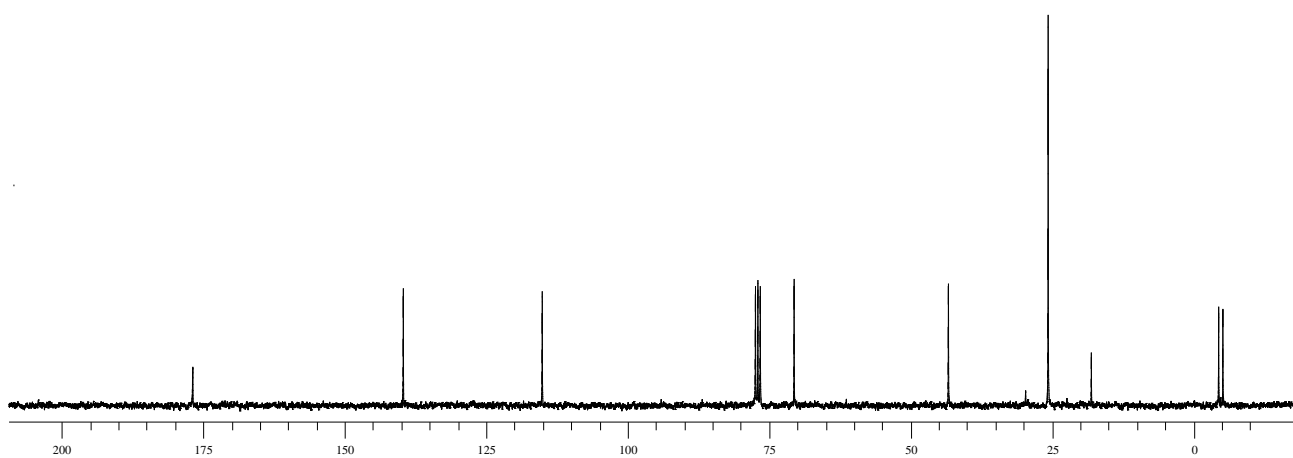
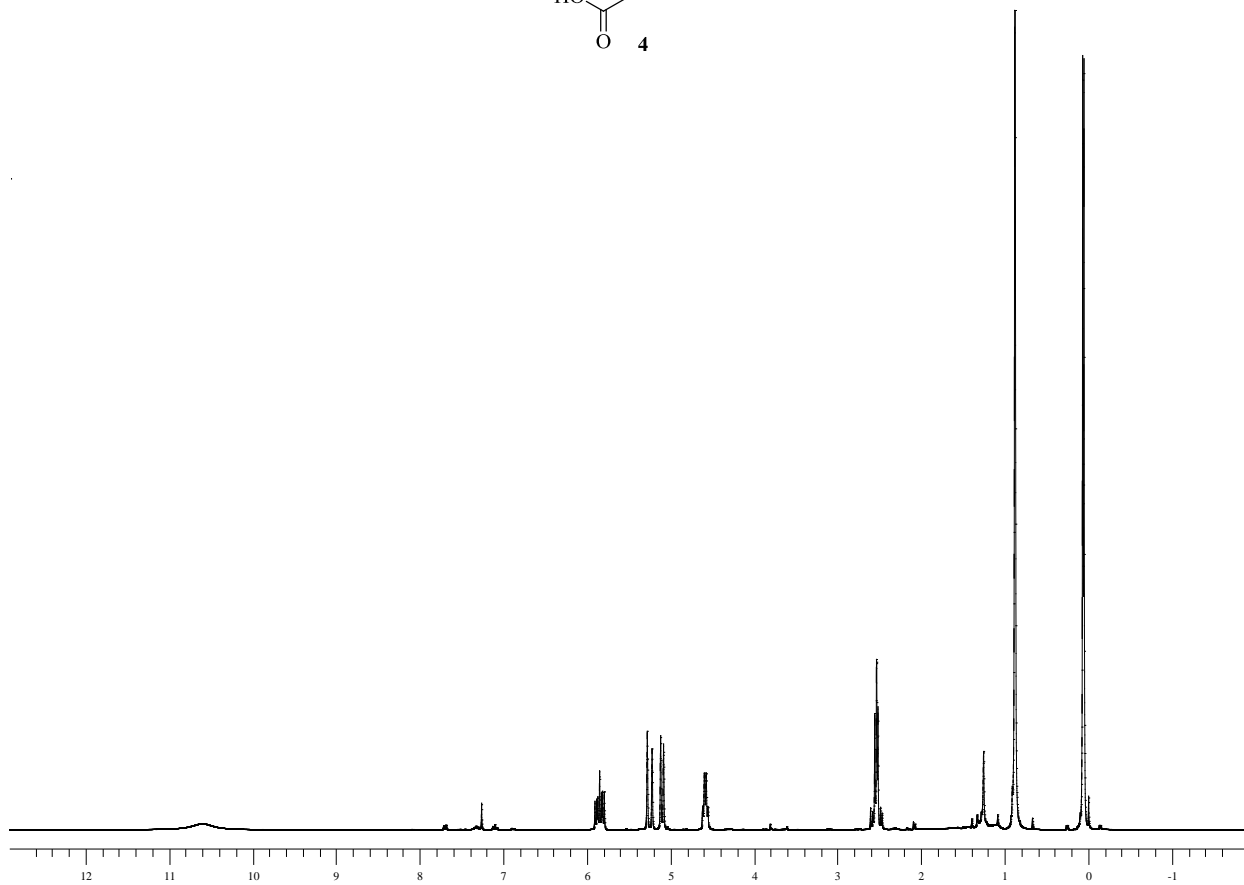
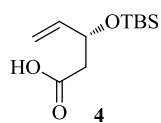
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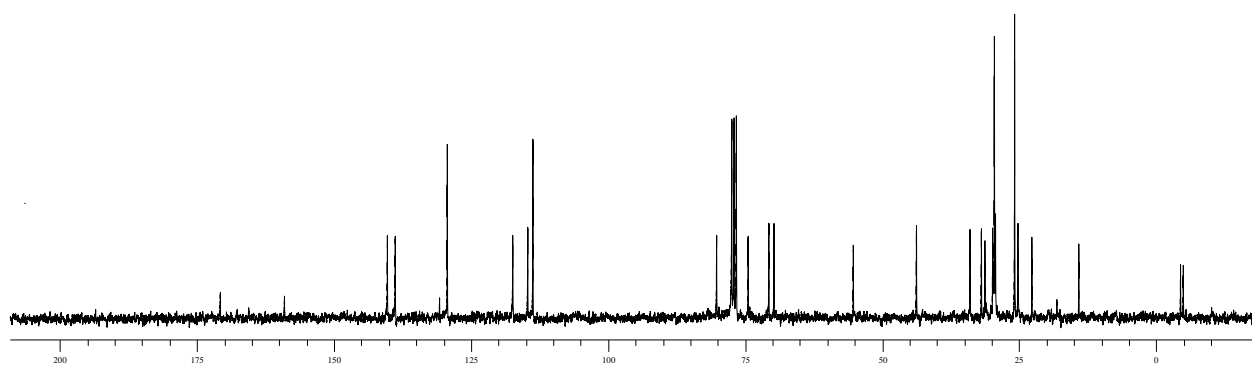
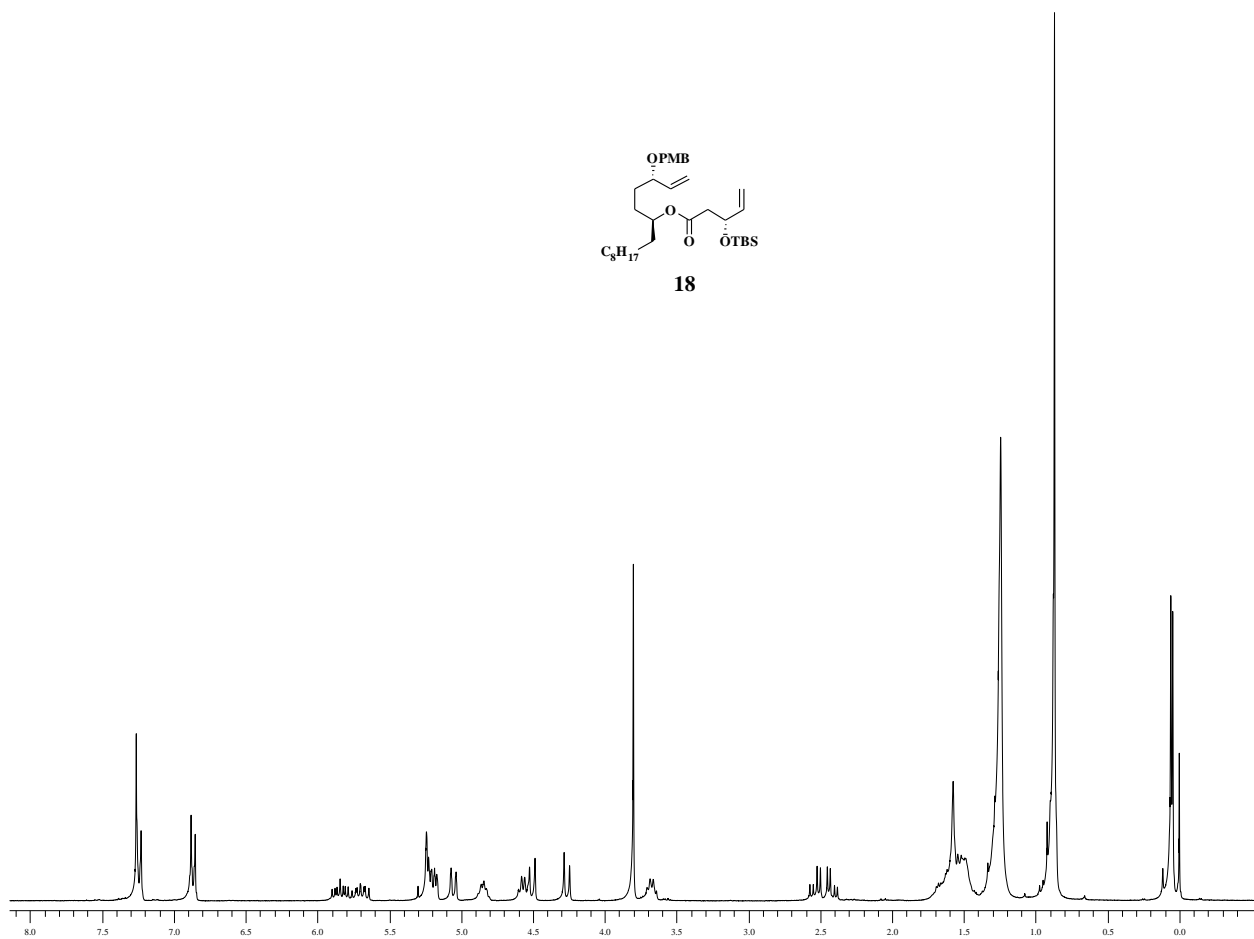
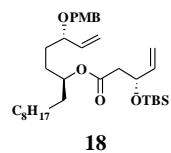


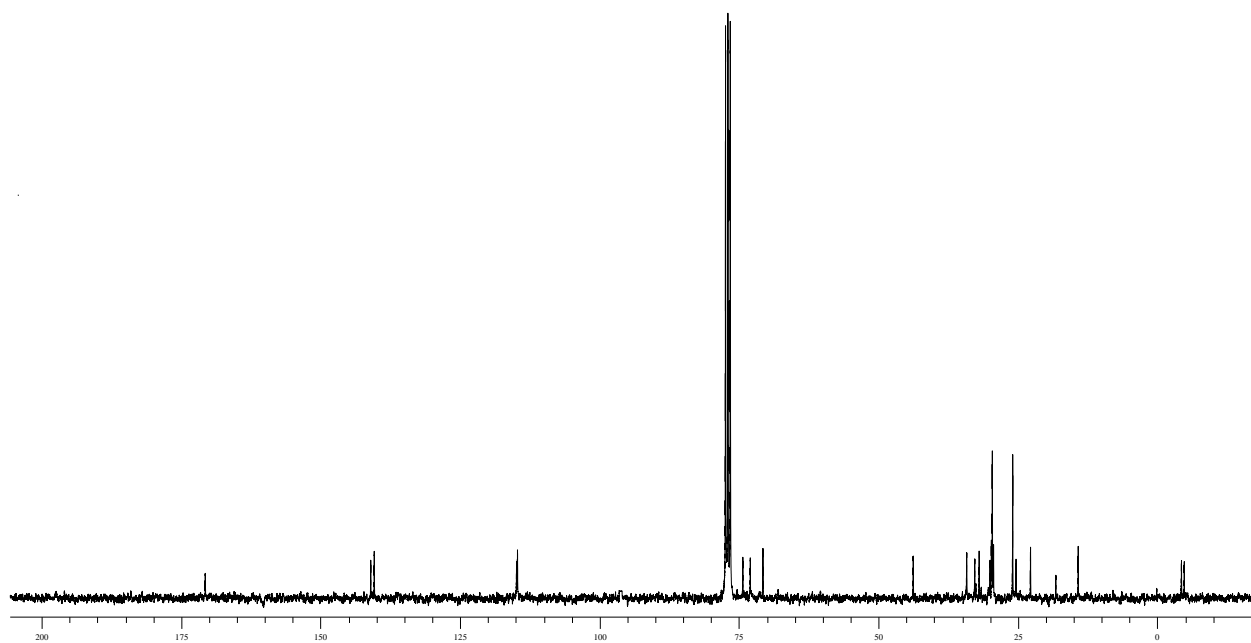
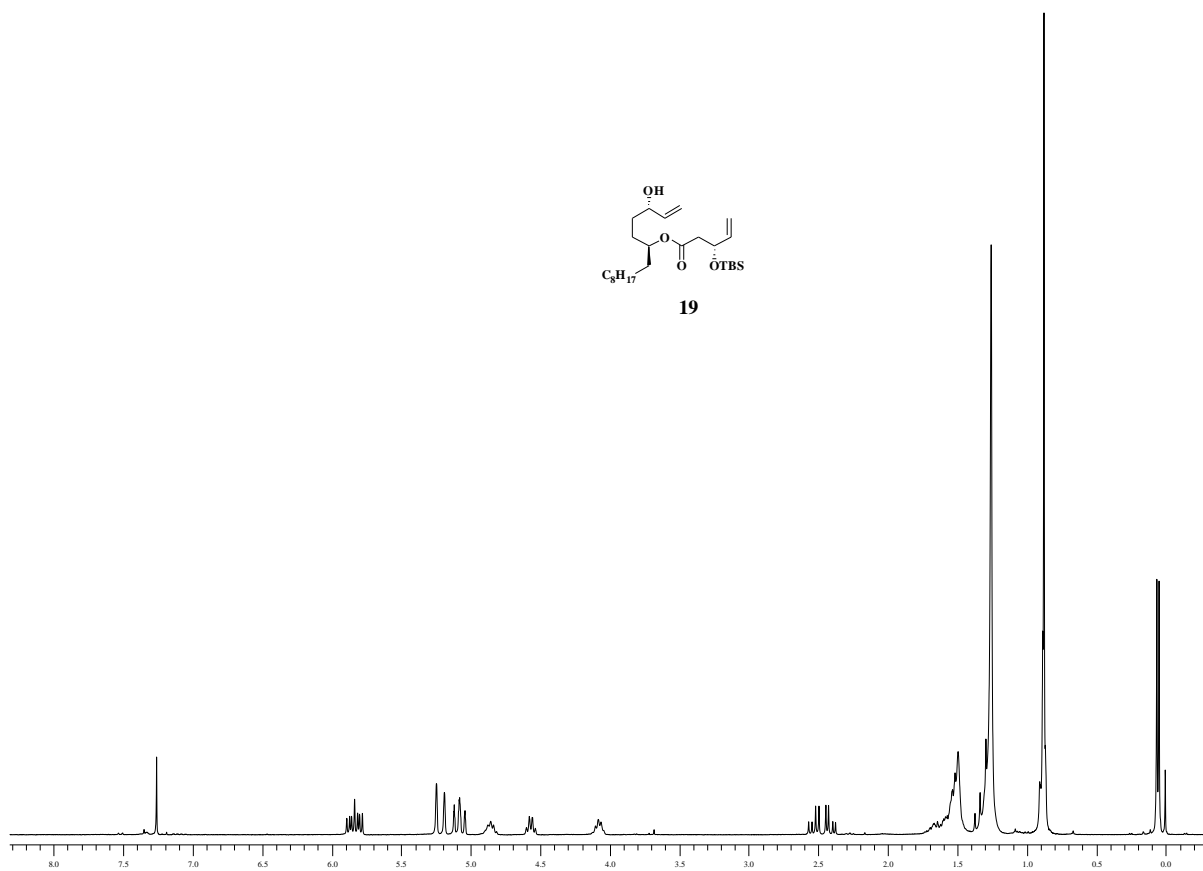
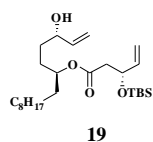


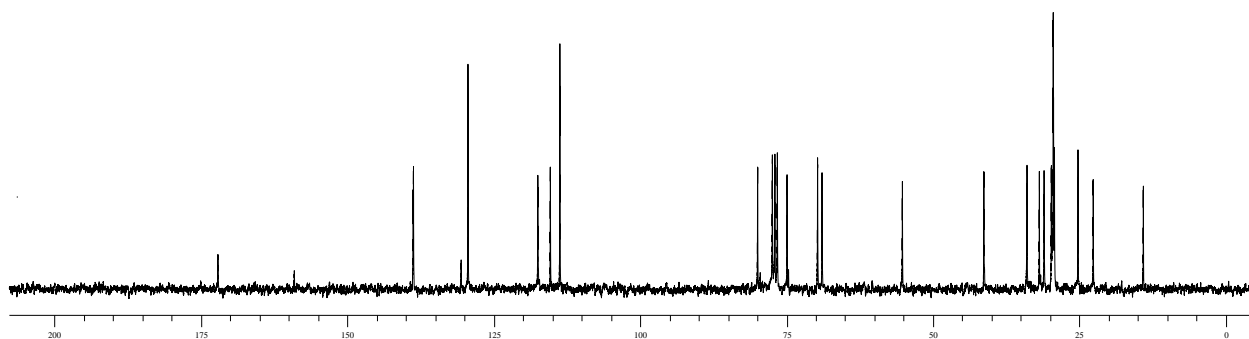
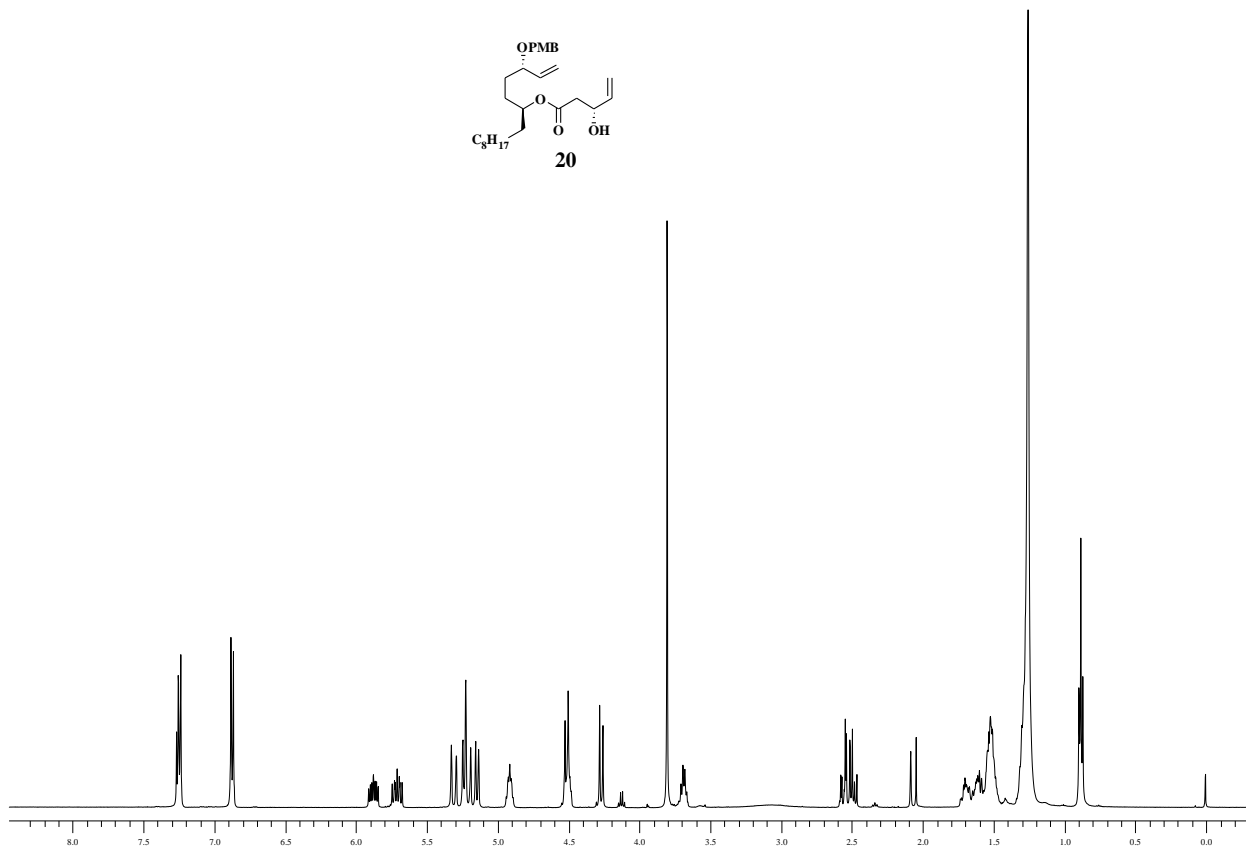
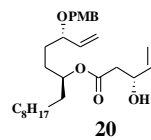
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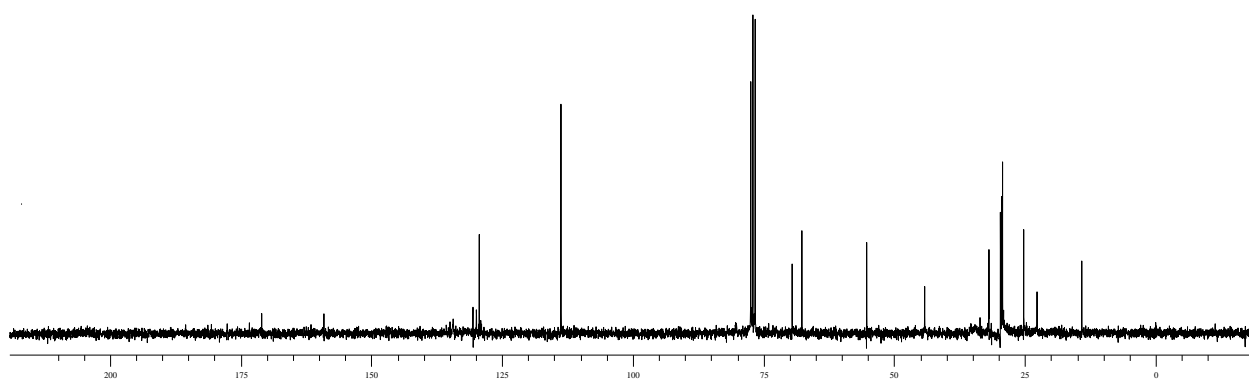
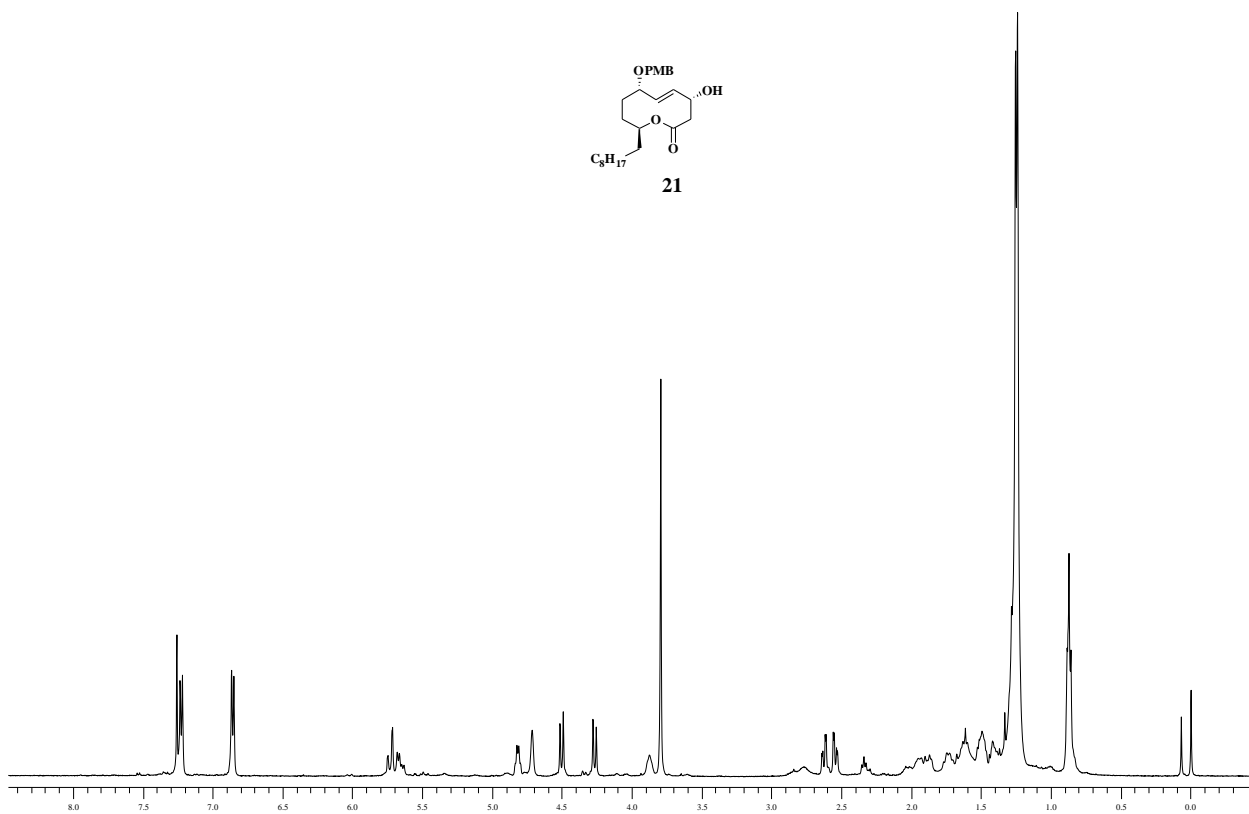
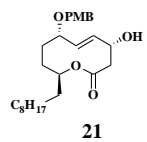


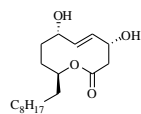




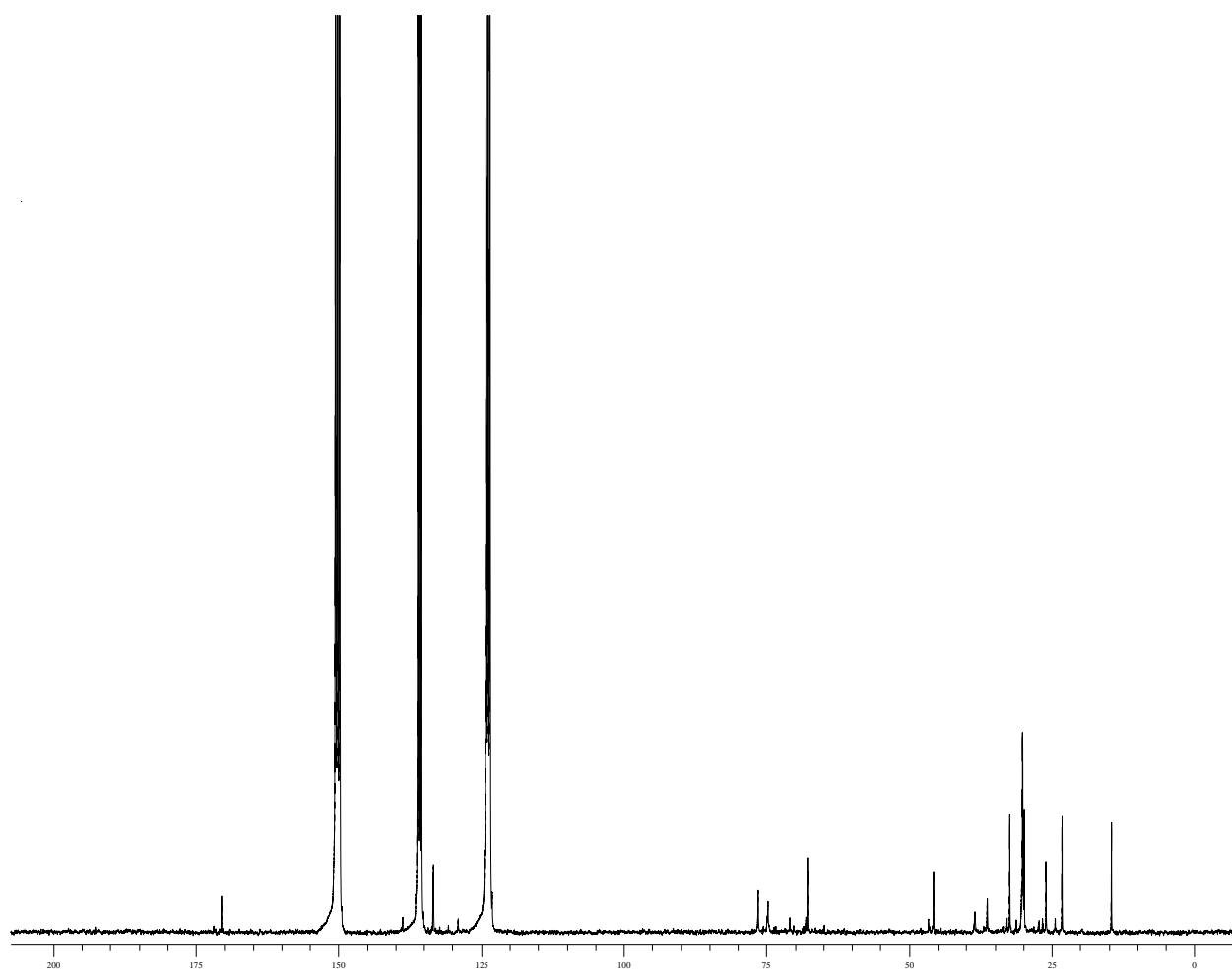
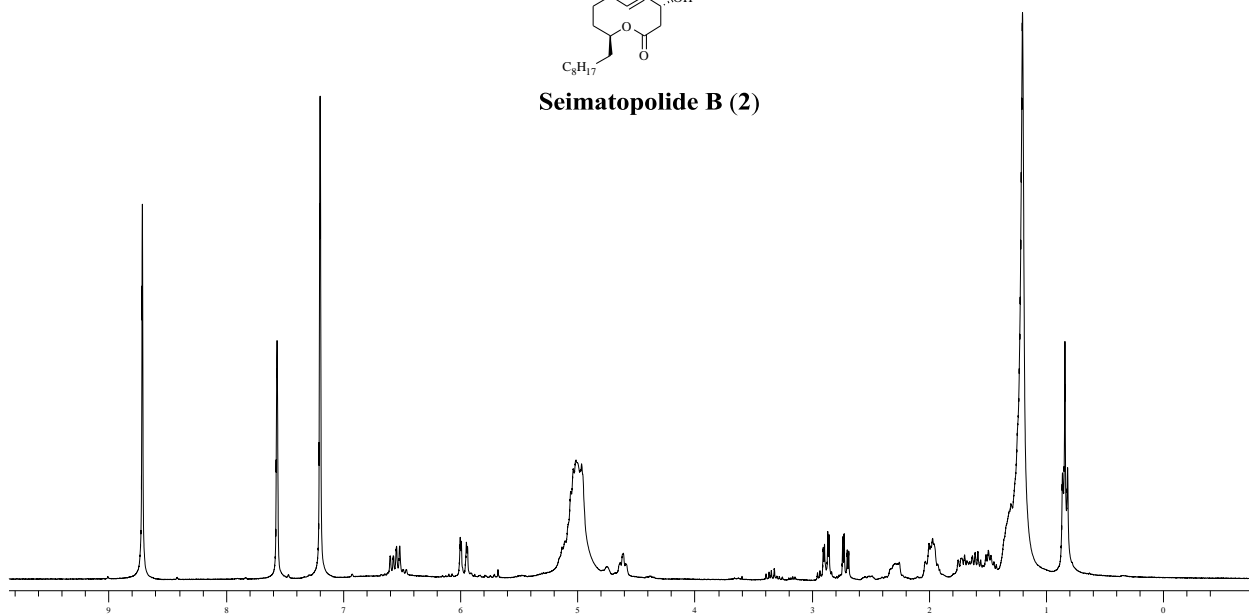




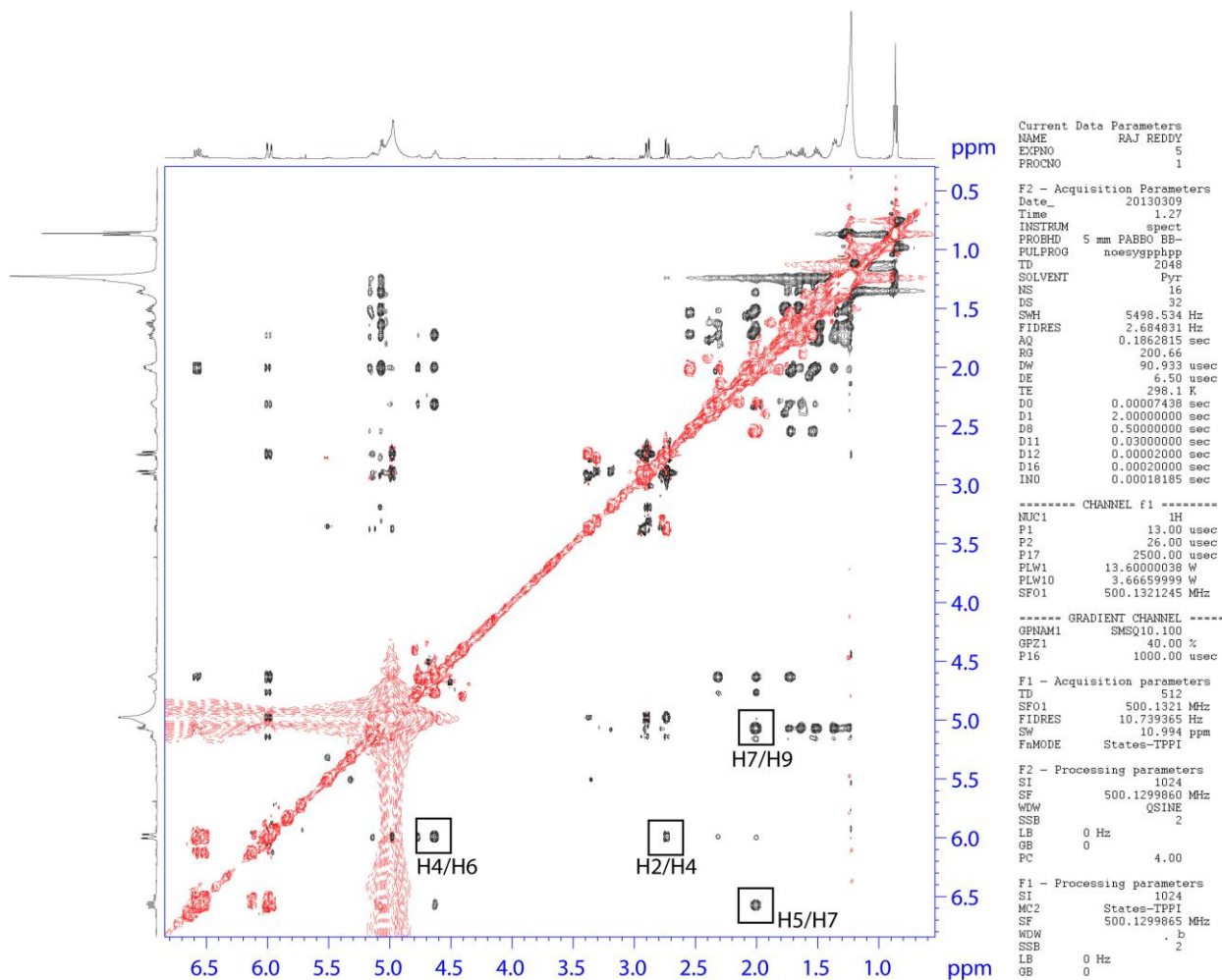


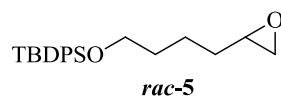


Seimatopolide B (2)



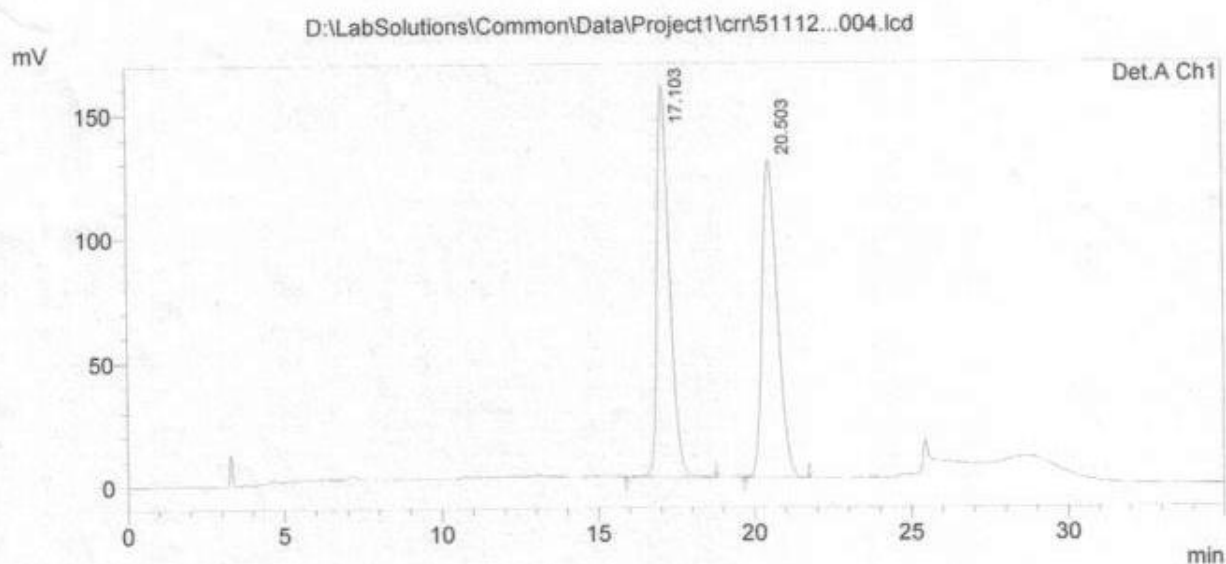
NOESY Spectrum for **2a** (pyridine-d₅, 500 MHz)





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Sample ID : CRR-CO-R-S
Vial # : 14
Injection Volume : 10 uL
Data File Name : 51112...004.lcd
Method File Name : PIPER-H-ISO.lcm
Batch File Name : 311012...lcb
Report File Name : NPL HPLC REPORT new.lcr
Data Acquired : 11/5/2012 7:56:41 PM
Data Processed : 11/5/2012 8:31:43 PM
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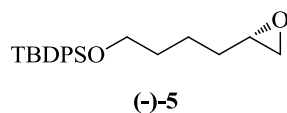


1 Det.A Ch1/210nm

PeakTable

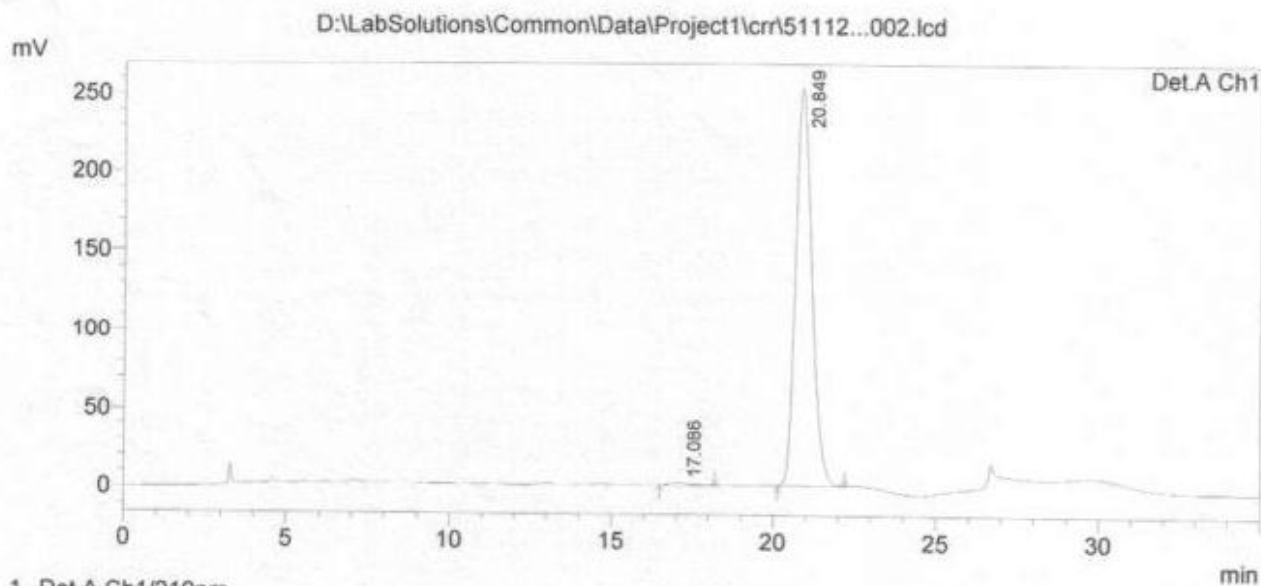
Detector A Ch1 210nm

Peak#	Ret. Time	Area	Height	Area %
1	17.103	4372698	157467	50.144
2	20.503	4347585	127465	49.856
Total		8720283	284932	100.000



D:\LabSolutions\Common\Data\Project1\crr\51112...002.lcd
Acquired by : Admin
Sample Name : CRR-CHIRAL-SS
Sample ID : CRR-CHIRAL-SS
Vial # : 12
Injection Volume : 10 µL
Data File Name : 51112...002.lcd
Method File Name : PIPER-H-ISO.lcm
Batch File Name : 311012...lcb
Report File Name : NPL HPLC REPORT new.lcr
Data Acquired : 11/5/2012 6:44:05 PM
Data Processed : 11/5/2012 7:19:07 PM
COLUMN:CHIRALPAK-OD-H;250X4.6MM,5U
MOBILEPHASE:2%IPA IN HEXANE 0.5% IPA + H₂O
FLOWRATE:1.0ML/MIN
DETECTION:210NM

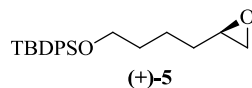
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PeakTable

Detector A Ch1 210nm

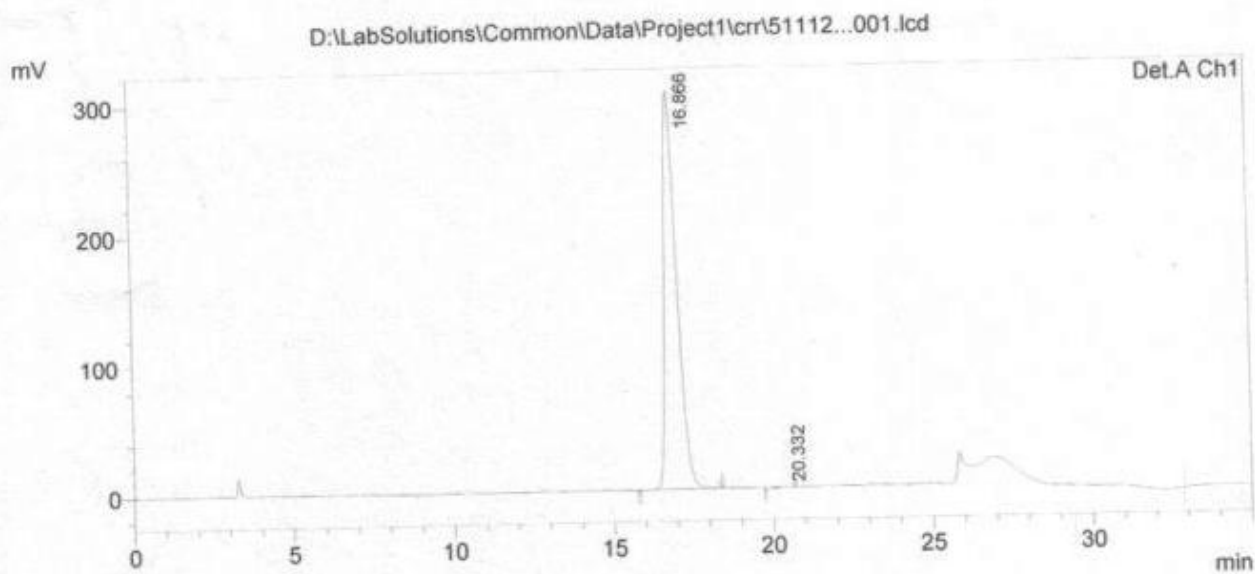
Peak#	Ret. Time	Area	Height	Area %
1	17.086	49630	1180	0.562
2	20.849	8785326	252310	99.438
Total		8834957	253490	100.000



D:\LabSolutions\Common\Data\Project1\crr\51112...001.lcd

Acquired by : Admin
Sample Name : CRR-CHIRAL-RR
Sample ID : CRR-CHIRAL-RR
Vial # : 11
Injection Volume : 10 uL
Data File Name : 51112...001.lcd
Method File Name : PIPER-H-ISO.lcm
Batch File Name : 311012...lcb
Report File Name : NPL HPLC REPORT new.lcr
Data Acquired : 11/5/2012 6:07:47 PM
Data Processed : 11/5/2012 6:42:49 PM
COLUMN:CHIRALPAK-OD-H;250X4.6MM,5U
MOBILEPHASE:0%IPA IN HEXANE 0.5%IPA + HEA
FLOWRATE:1.0ML/MIN
DETECTION:210NM

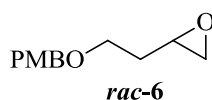
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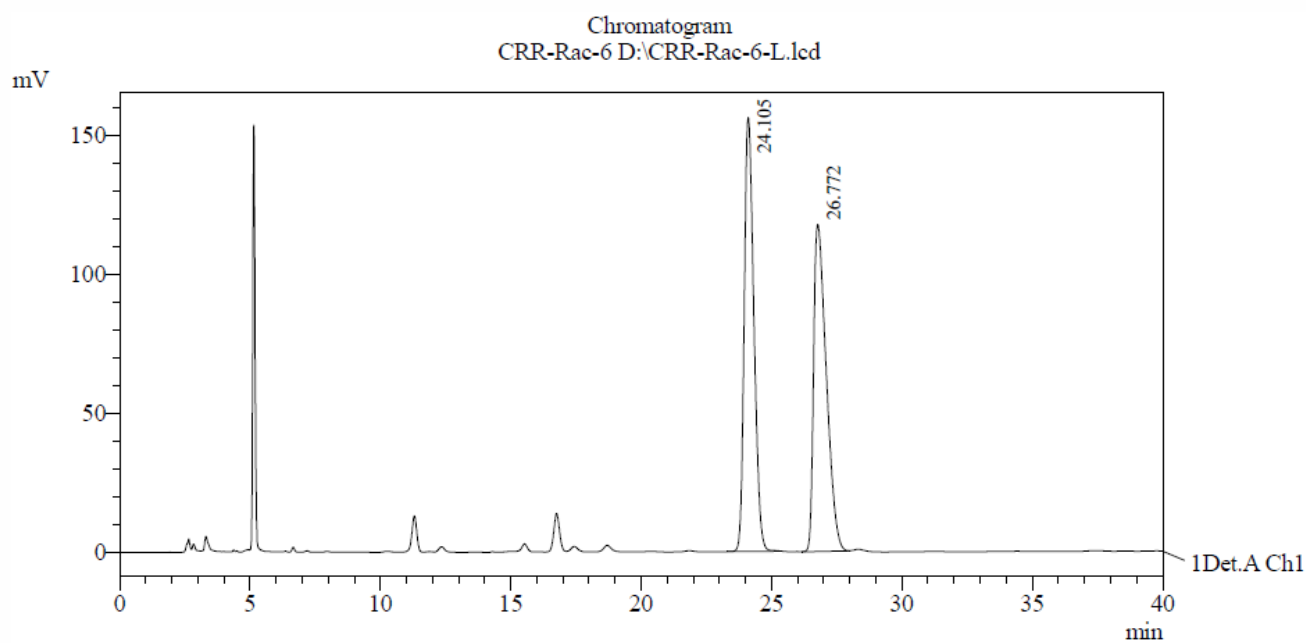
PeakTable

Detector A Ch1 210nm

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2	20.332	7213	211	0.085
Total		8450353	305670	100.000



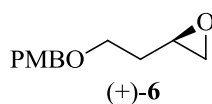
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Sample ID :--
Acquired By :BSK
Date Acquired : 11/5/2012 3:16:47 PM
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Data : D:\CRR-Rac-6-L.lcd
Description : Column: Chiralpak AD-H,250 x 4.6mm,5u
Flow Rate: 1.2ml/min
Column Temp: 35°C
Mobile Phase :Hexane : Ethanol (99:01)



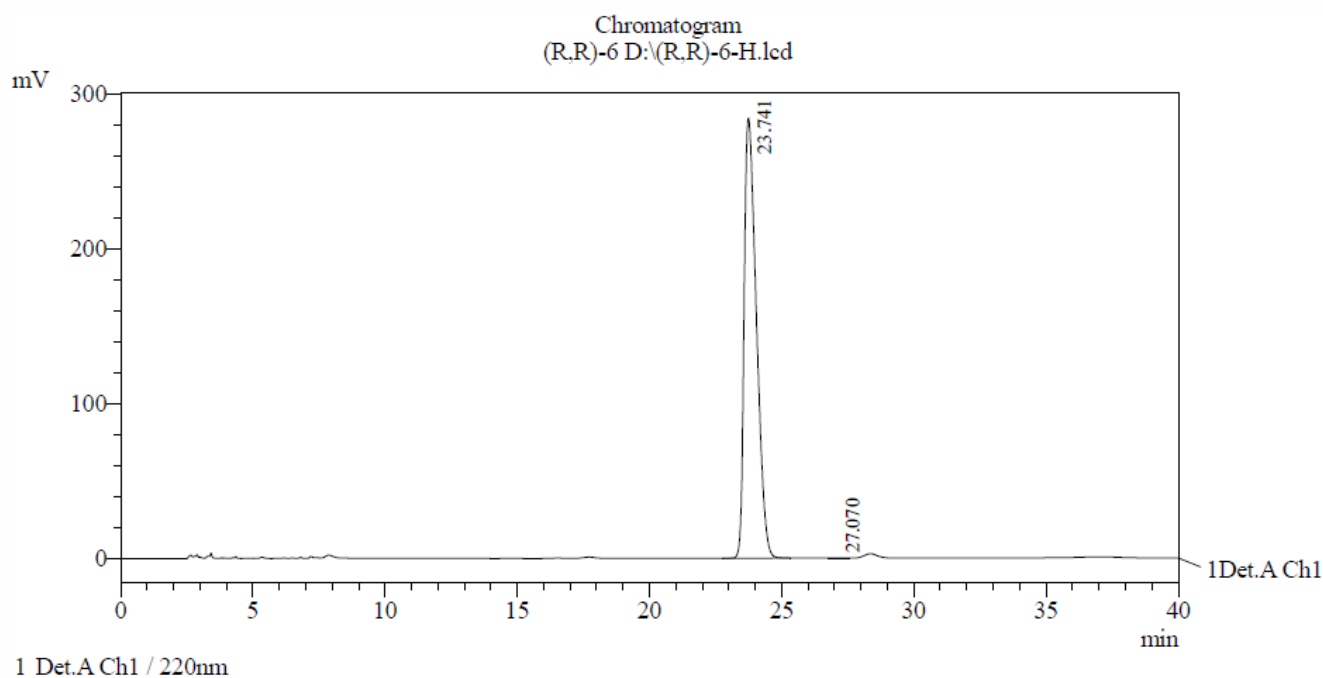
Detector A Ch1 220nm

PeakTable

Peak#	Ret. Time	Area	Area %	Relative Retention Time
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2	26.772	3979470	49.789	1.111
Total		7992744	100.000	



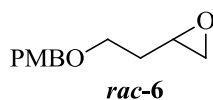
Sample Name : (R,R)-6
Sample ID : --
Acquired By : BSK
Date Acquired : 11/5/2012 3:57:49 PM
Method Filename : D:\Methods\External-CHIRAL.lcm
Data : D:\(R,R)-6-H.lcd
Description : Column: Chiralpak AD-H, 250 x 4.6mm, 5µ
Flow Rate: 1.2ml/min
Column Temp: 35°C
Mobile Phase : Hexane : Ethanol (99:01)



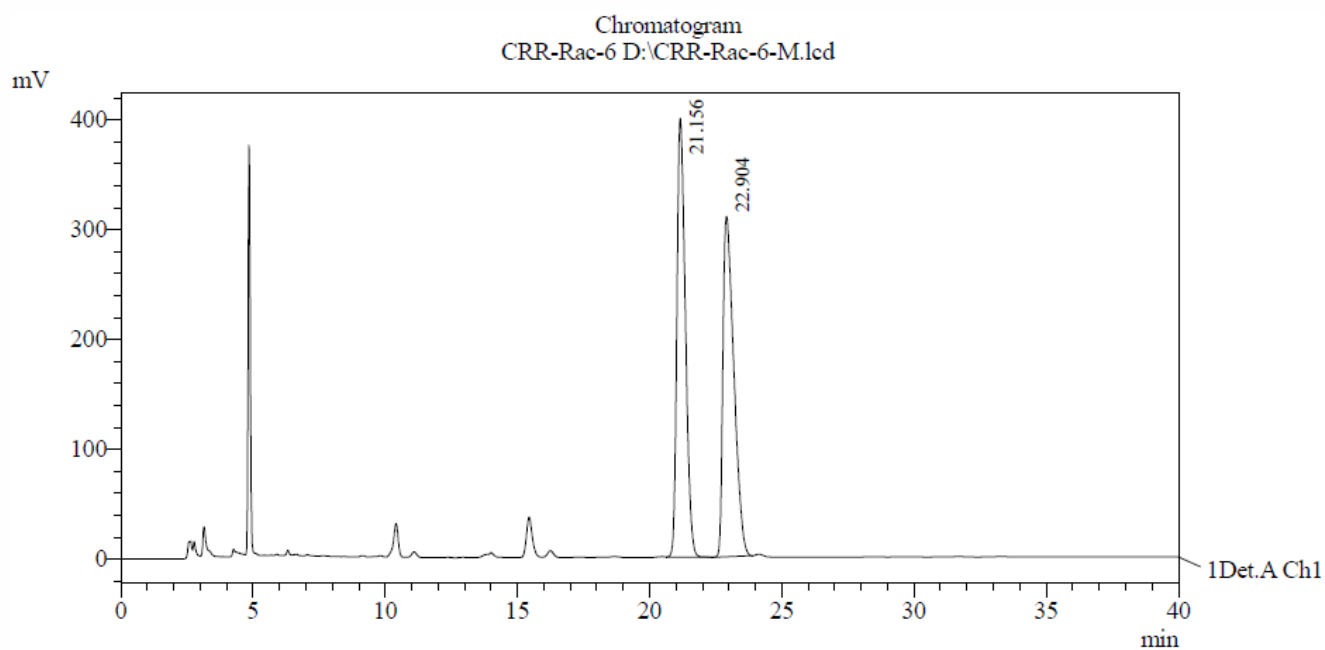
PeakTable

Detector A Ch1 220nm

Peak#	Ret. Time	Area	Area %	Relative Retention Time
1	23.741	9118335	99.966	1.000
2	27.070	3131	0.034	1.140
Total		9121466	100.000	



Sample Name :CRR-Rac-6
Sample ID :-
Acquired By :BSK
Date Acquired : 11/6/2012 3:47:20 PM
Method Filename : D:\Methods\External-CHIRAL.lcm
Data : D:\CRR-Rac-6-M.lcd
Description : Column: Chiralpak AD-H,250 x 4.6mm,5u
Flow Rate: 1.2ml/min
Column Temp: 35°C
Mobile Phase :Hexane : Ethanol (99:01)

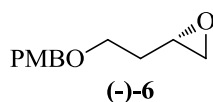


1 Det.A Ch1 / 220nm

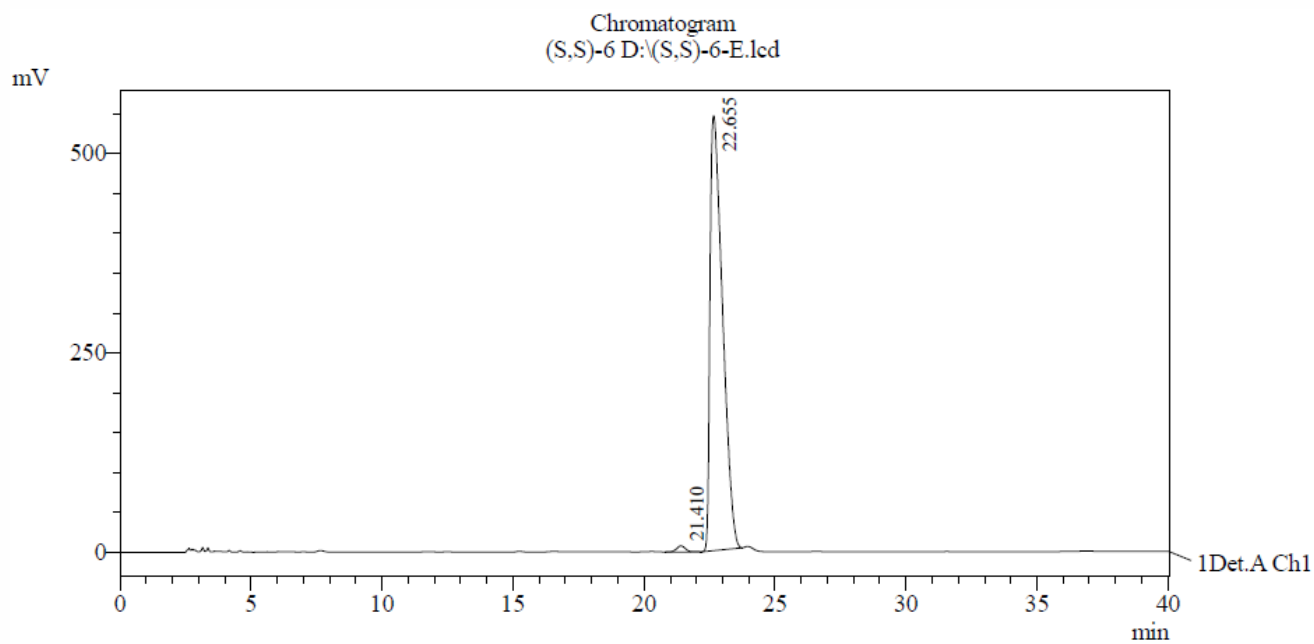
PeakTable

Detector A Ch1 220nm

Peak#	Ret. Time	Area	Area %	Relative Retention Time
1	21.156	8915297	50.101	0.924
2	22.904	8879503	49.899	1.000
Total		17794800	100.000	



Sample Name : (S,S)-6
Sample ID :-
Acquired By : BSK
Date Acquired : 11/6/2012 3:05:45 PM
Method Filename : D:\Methods\External-CHIRAL.lcm
Data : D:\(S,S)-6-E.lcd
Description : Column: Chiralpak AD-H, 250 x 4.6mm, 5u
Flow Rate: 1.2ml/min
Column Temp: 35°C
Mobile Phase : Hexane : Ethanol (99:01)



1 Det.A Ch1 / 220nm

PeakTable

Detector A Ch1 220nm

Peak#	Ret. Time	Area	Area %	Relative Retention Time
1	21.410	173776	0.955	0.945
2	22.655	18027058	99.045	1.000
Total		18200834	100.000	