

Electronic supplementary information (ESI)

Chemoenzymatic synthesis of enantiopure hydroxy sulfoxides derived from substituted arenes

Derek R. Boyd, Narain D. Sharma, John F. Malone, Vera Ljubez, Deirdre Murphy, Steven D. Shepherd and Christopher C. R. Allen

NMR spectra

6_{1S,2S}

7_{1S,2S,R'}

8_{1S,2S,S'}

9_{1S,2R}

10_{1S,2R,S'}

11_{1S,2R,R'}

12_{1S,3S}

13_{1S,3S,R'}

14_{1S,3S,S'}

16_{1S,2R,3R}

17_{1S,2R,3R,R'}

26a_R

26b_R

27b_R

29a_R

ECD Spectra

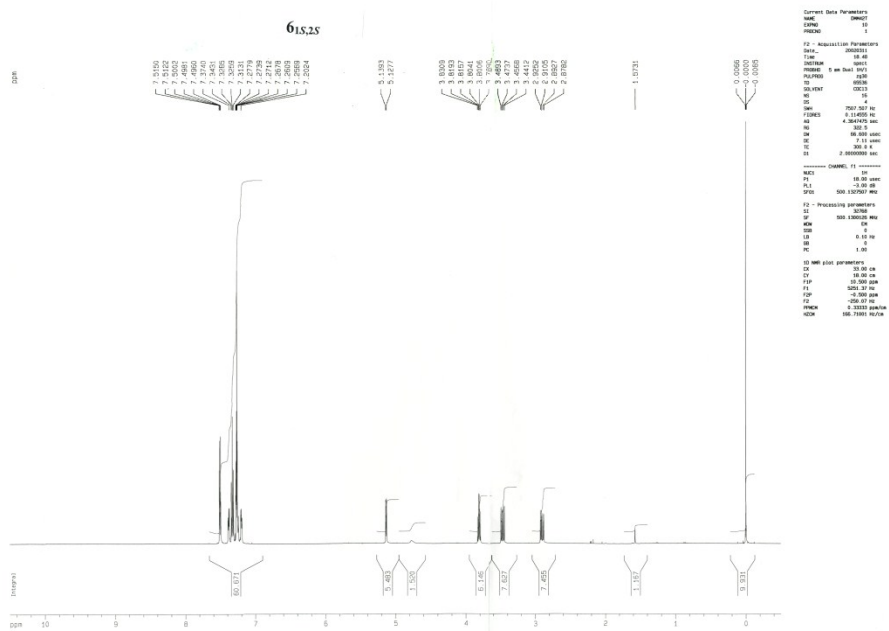
7_{1S,2S,R'} / **8**_{1S,2S,S'}

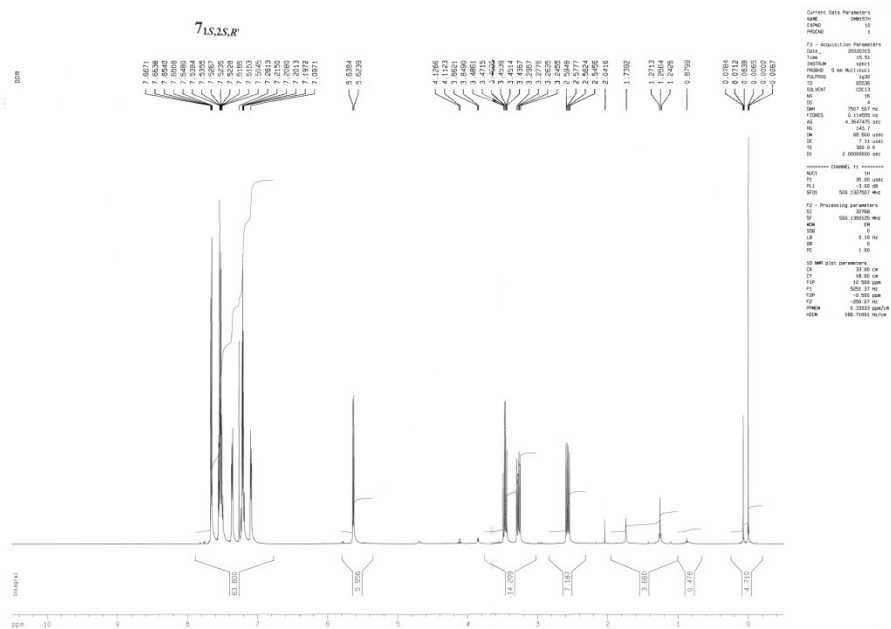
10_{1S,2R,S'} / **11**_{1S,2R,R'}

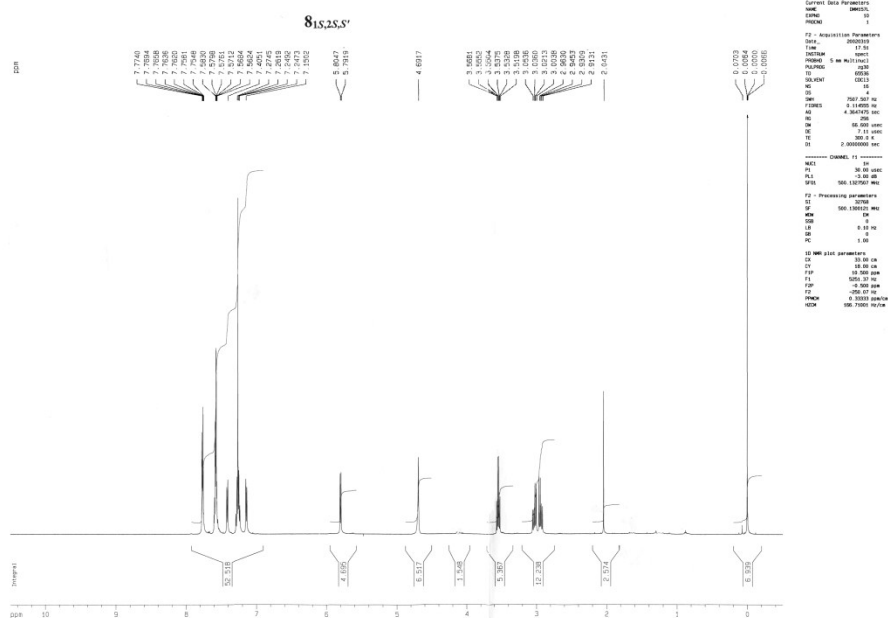
13_{1S,3S,R'} / **14**_{1S,3S,S'}

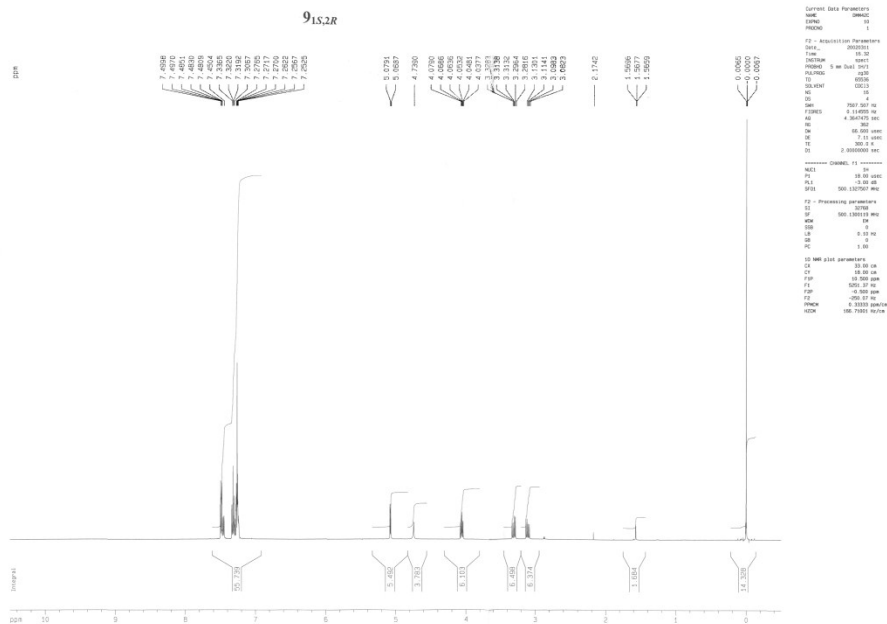
27a_R

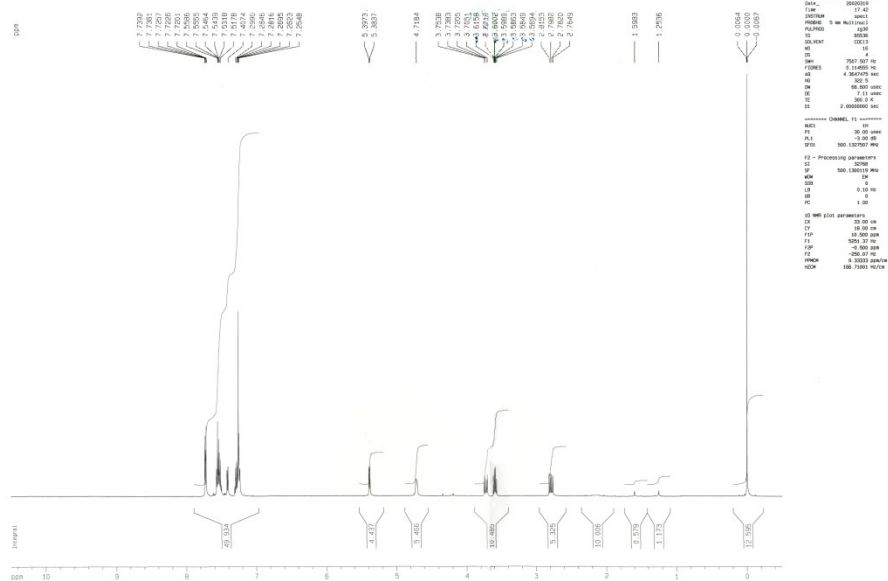
27b_R

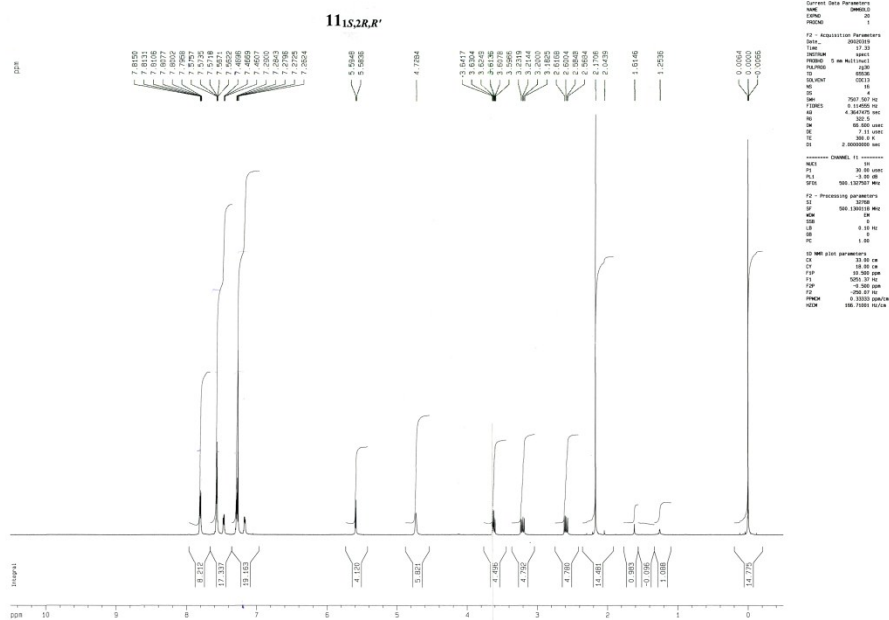


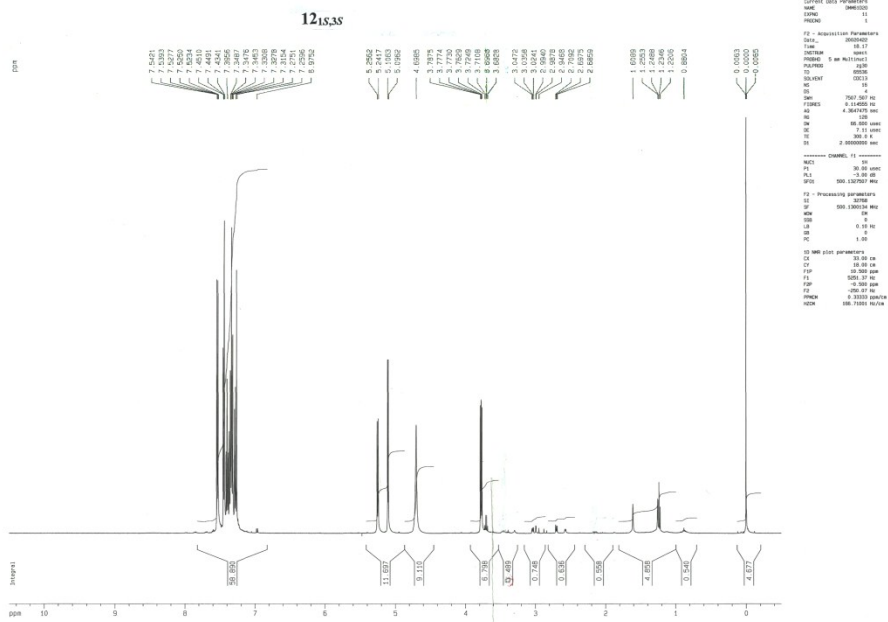


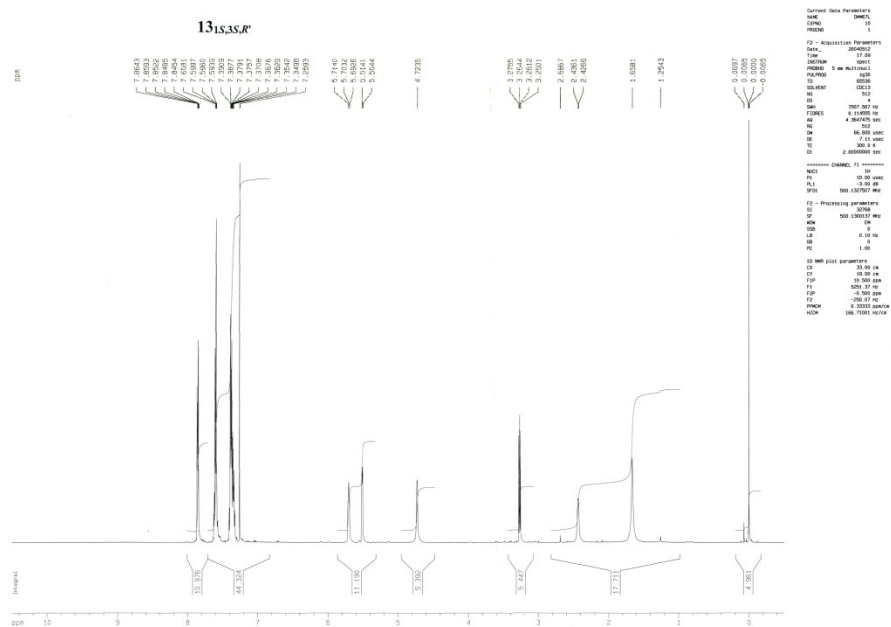


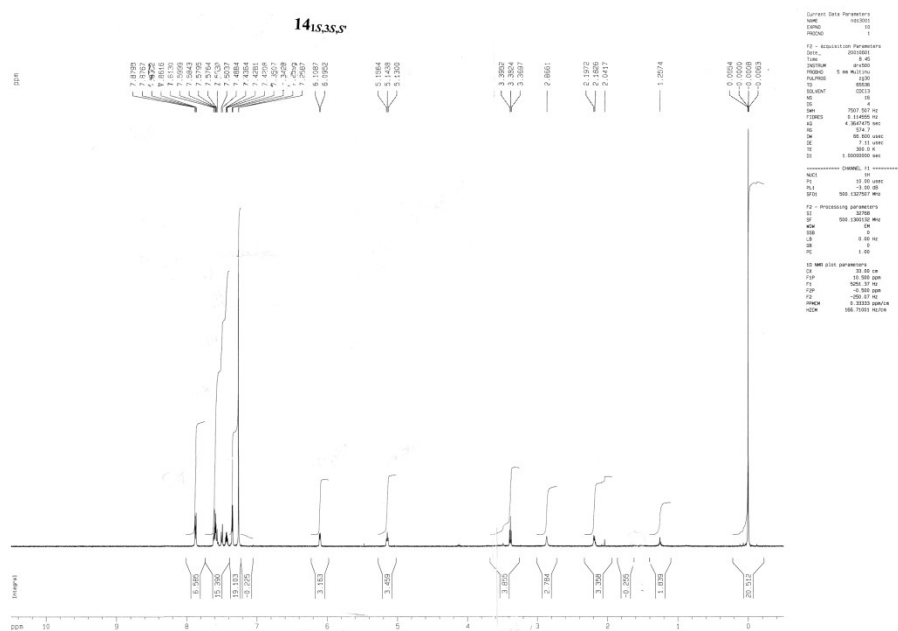


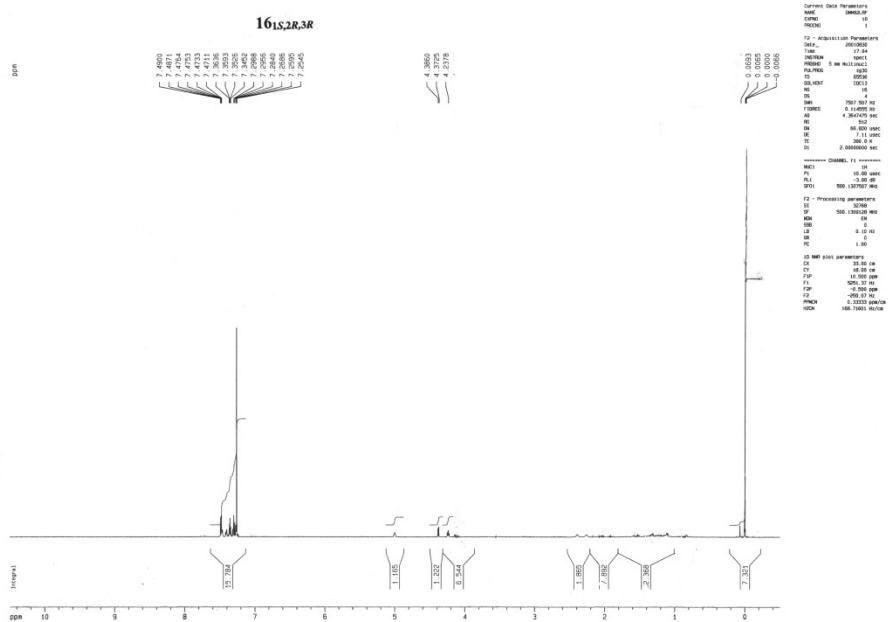
$10_{1S,2R,S}$ 







$14_{1S,3S,S}$ 



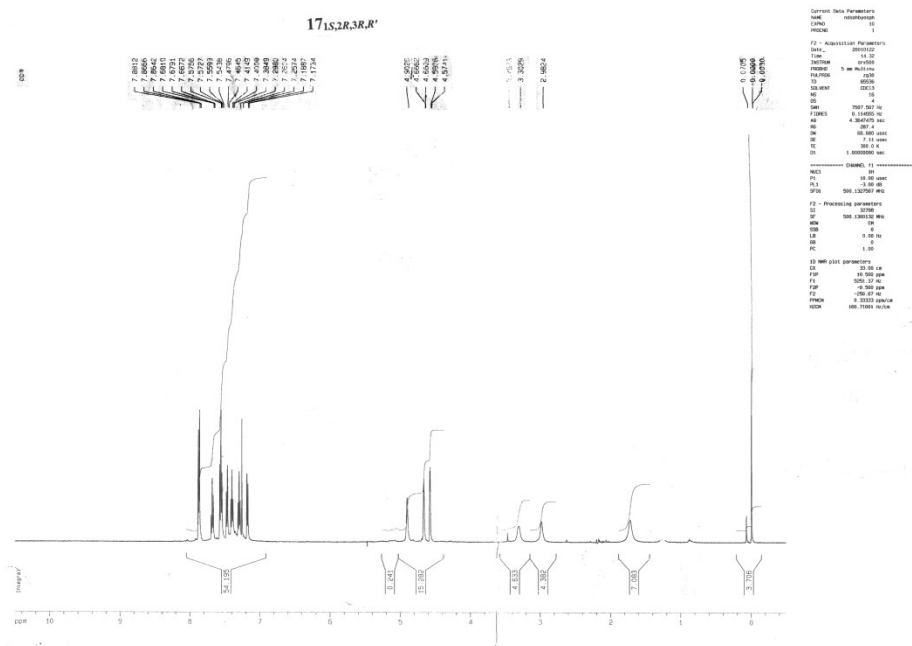
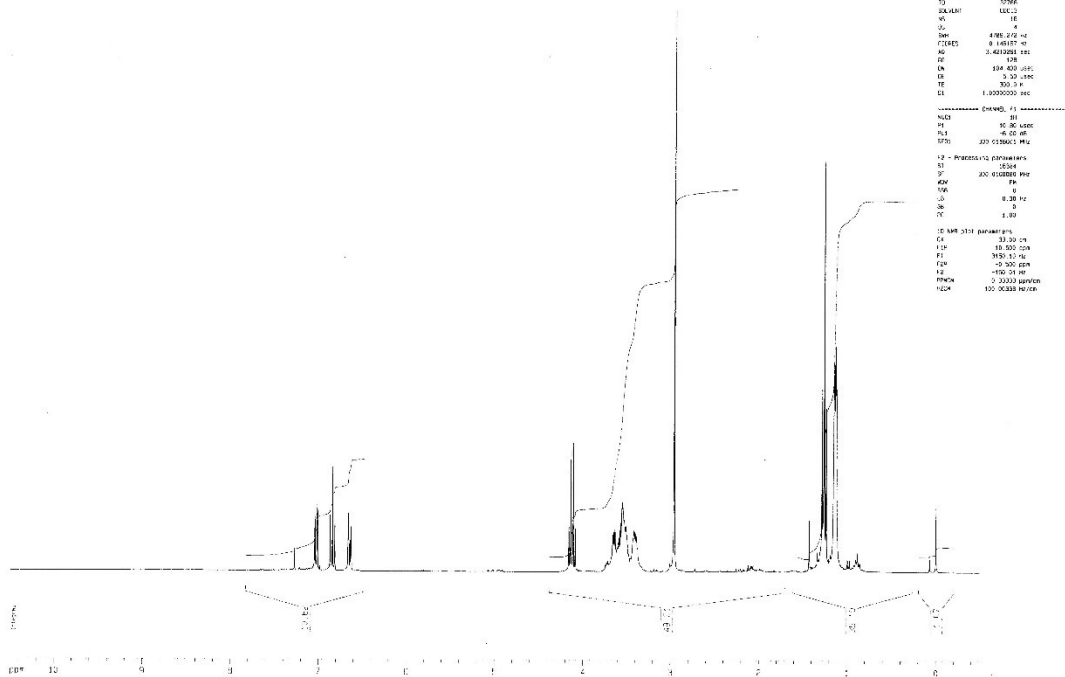
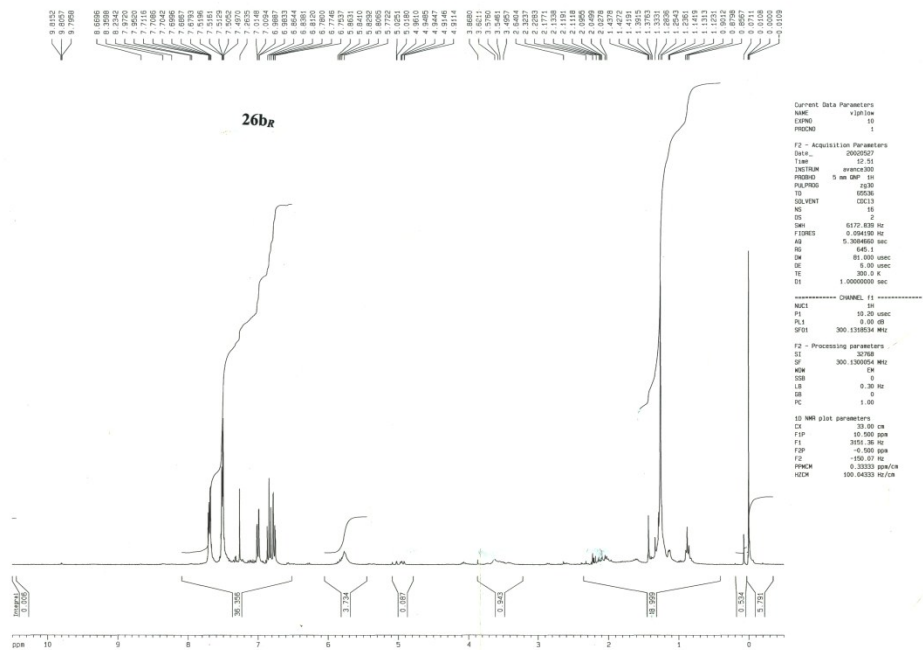
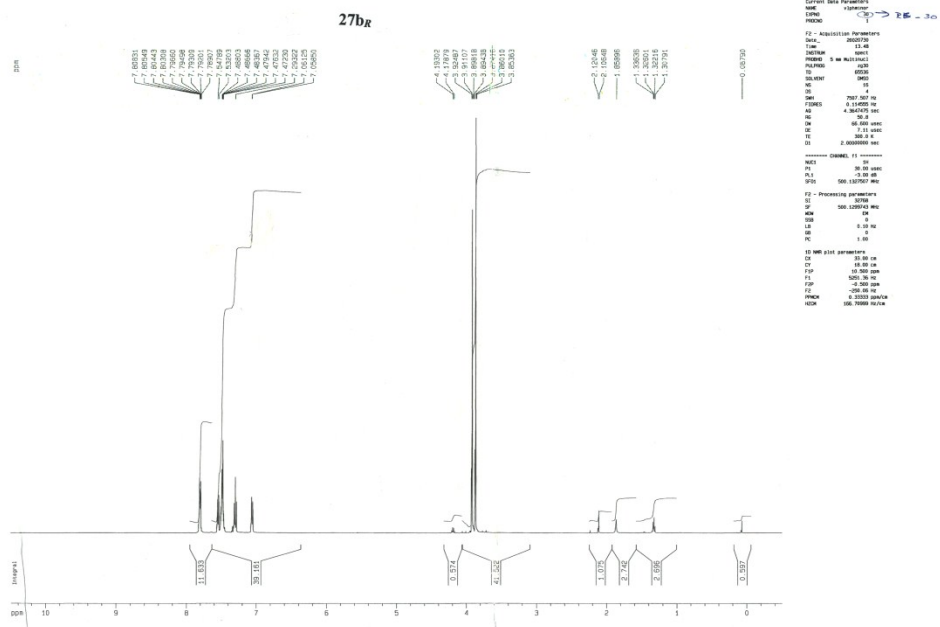
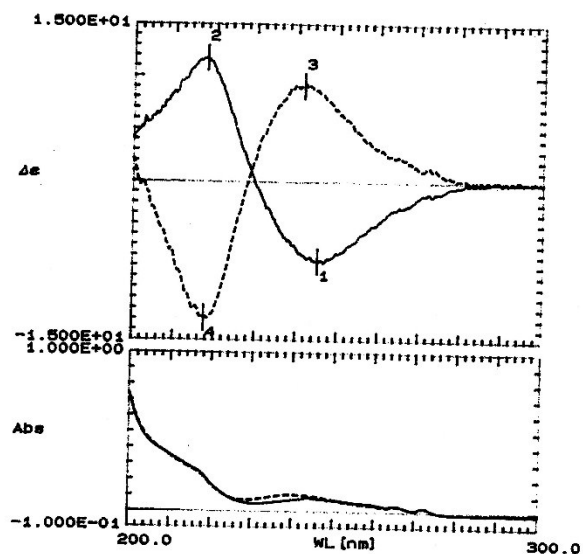


Figure 1 consists of seven sub-diagrams labeled (a) through (g), illustrating the structural evolution of a bridge. Each diagram shows a horizontal beam with various support and cable configurations. (a) shows a single support at the left end. (b) shows two supports, one at each end. (c) through (g) show increasing numbers of cables (1, 2, 4, 8, 16) being added between the beam and a central or side support, representing the development of a cable-stayed bridge.

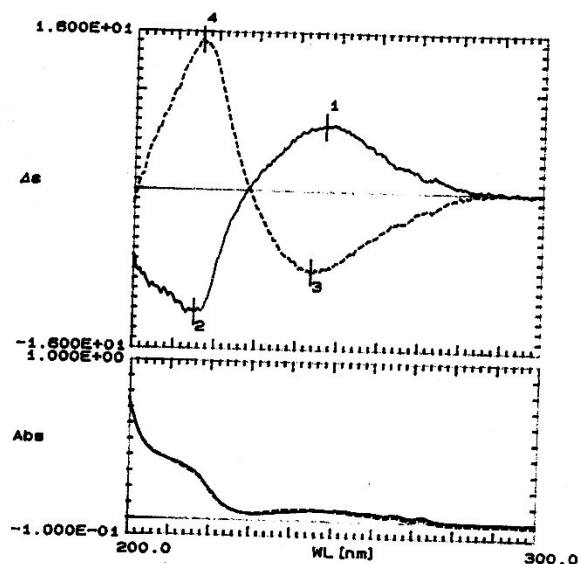








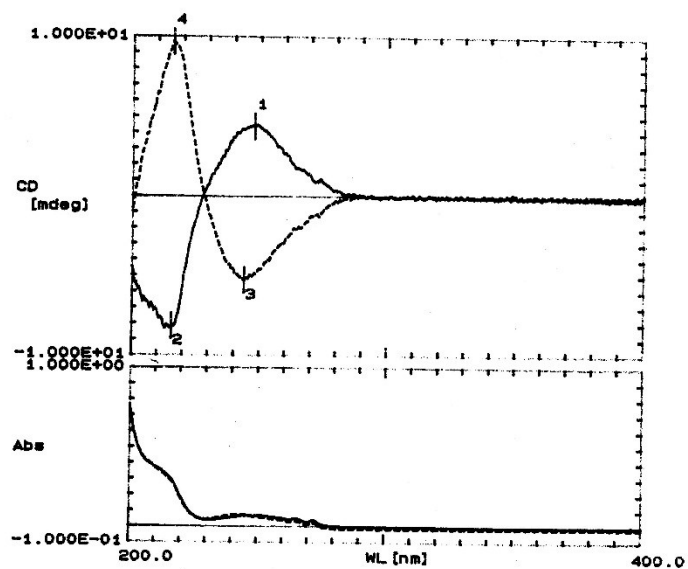
No.	Wavelength	Value	
1	245.20 nm	-7.508E+00	81S2S,S'
2	217.80 nm	1.174E+01	
3	241.60 nm	9.145E+00	71S2S,R'
4	217.60 nm	-1.291E+01	



No.	Wavelength	Value
1	246.60 nm	6.532E+00
2	215.20 nm	-1.235E+01
3	243.60 nm	-8.154E+00
4	216.20 nm	1.518E+01

11IS2R.R'

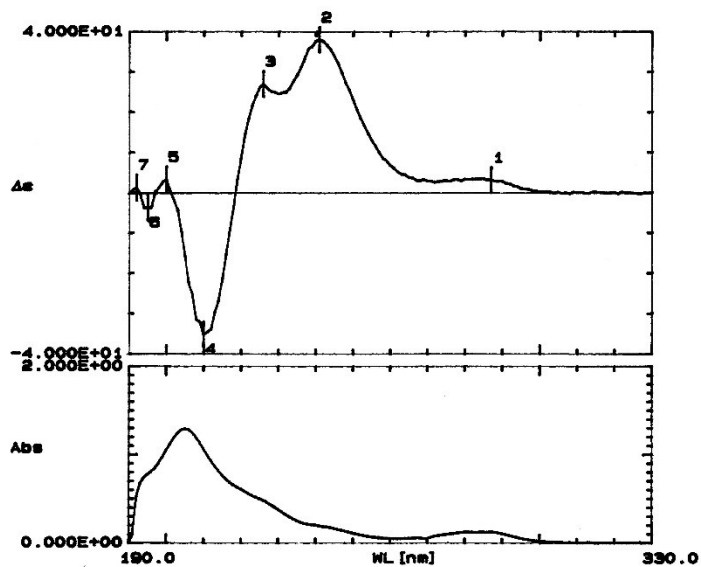
10IS2R.S'



No.	Wavelength	Value
1	247.80 nm	4.402E+00
2	215.80 nm	-8.156E+00
3	244.00 nm	-5.284E+00
4	216.00 nm	9.671E+00

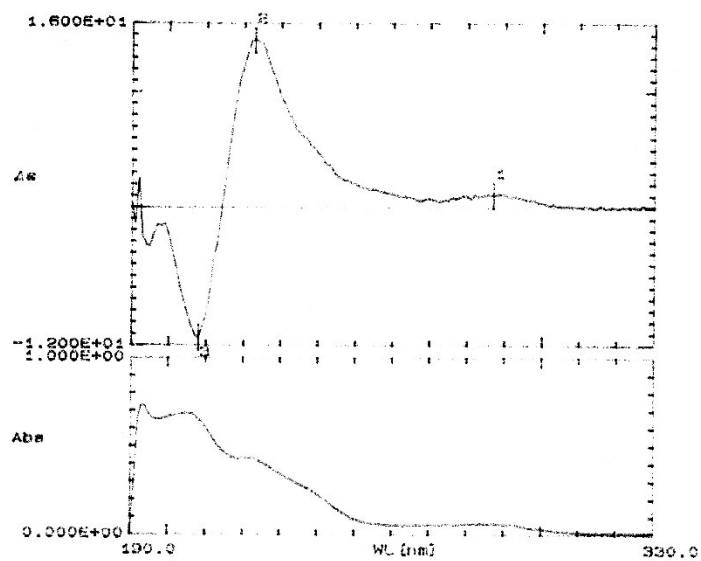
131S3S.R
141S3S.S'

27a_R



No.	Wavelength	Value
1	287.00 nm	3.152E+00
2	241.00 nm	3.80E+01
3	226.00 nm	2.711E+01
4	210.00 nm	-3.514E+01
5	200.00 nm	3.305E+00
6	195.00 nm	-3.717E+00
7	192.00 nm	1.30E+00

27br



Wavelength	Value
287.00 nm	1.020E+00
225.00 nm	1.452E+01
200.00 nm	-1.135E+01