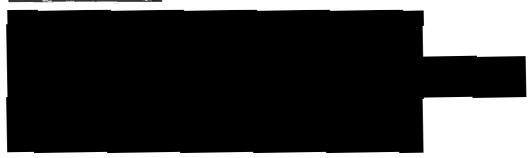


Retrinted from



23-25 January 1992 Los Angeles, California



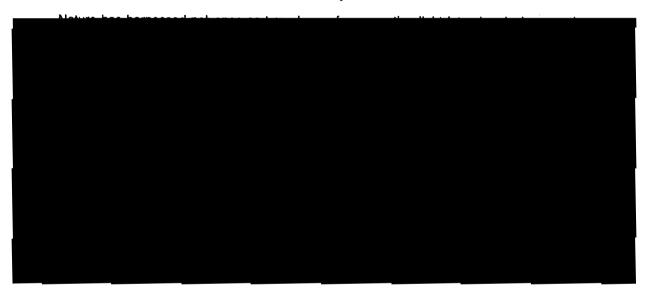
Vibrational spectroscopy and picosecond dynamics of gaseous trienes and tetraenes

Hypie Petek Andrew I. Bell Banald I. Christensen * and Koitara Vachibera

Institute for Molecular Science, Myodaiji, Okazaki 444 Japan

ABSTRACT

1 WITHOUNDERS

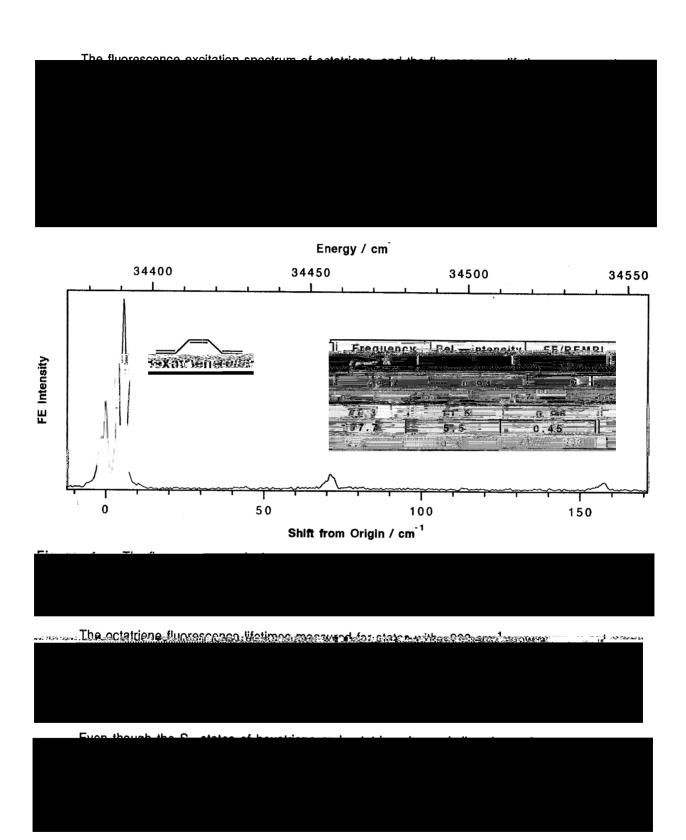


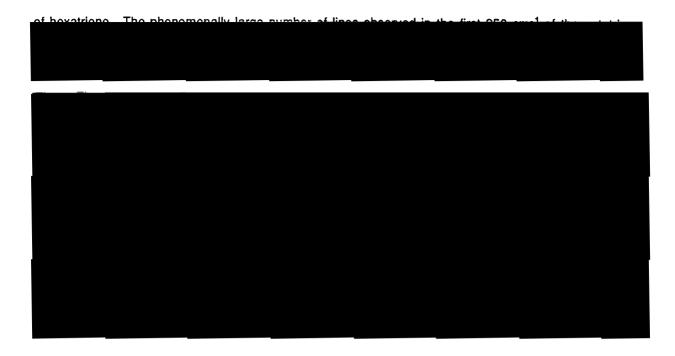
2. EXPERIMENTAL

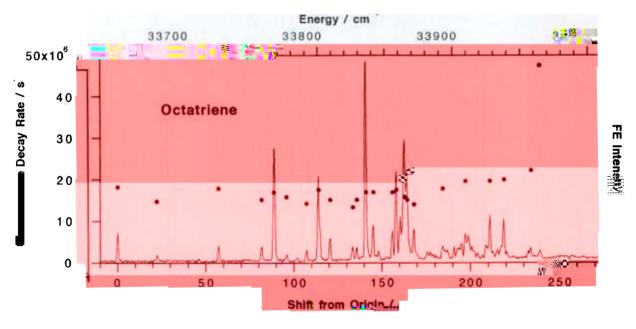
The experimental contribute of the grace control fluores control in the control of the control o

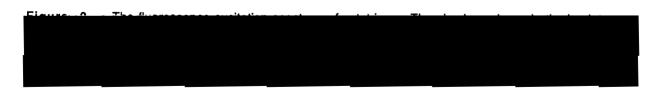
All-trans-2,4,6,8-decatetraene (DT), all-trans-2,4,6,8-nonatetraene (NT), and octatriene were prepared respectively from the Wittig reaction between hexadienal (Aldrich) and crotyltriphenyl-

tetraenes. The analysis of octatriene by GC/MS and URLC showed it to contain 2009/ all transportations								
	•	• • •						
	3	S S STATE S	PECTRA OF TRIEN	VES.				
The								
	ะทั่งเล่นเกม ของกลายประชา		M SSAD I PAST CALLERY OF THE	TVI Direction of the Arch				
The	ratio of the fluorescen	00. 000110110	column latematt	" DEMO				

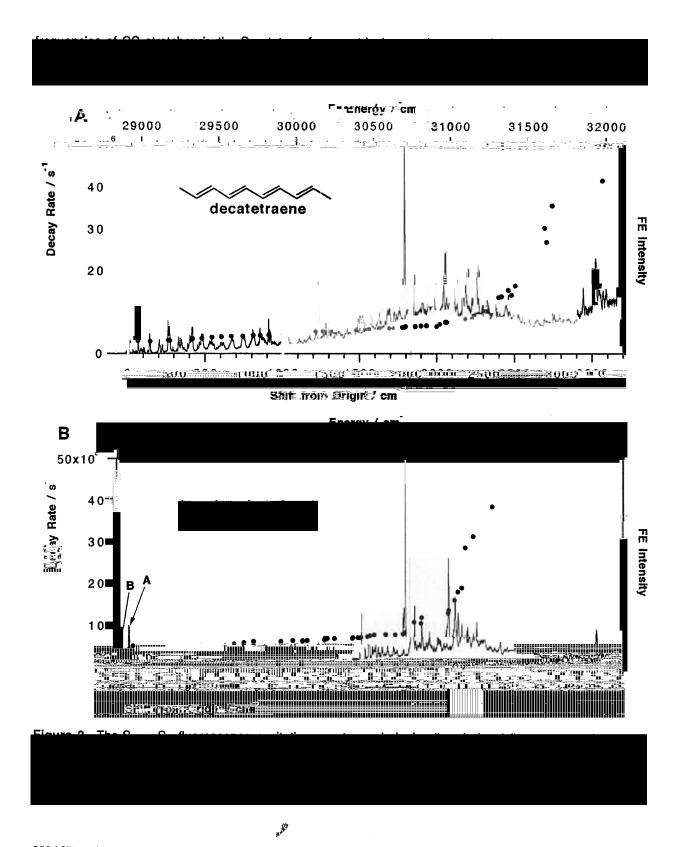


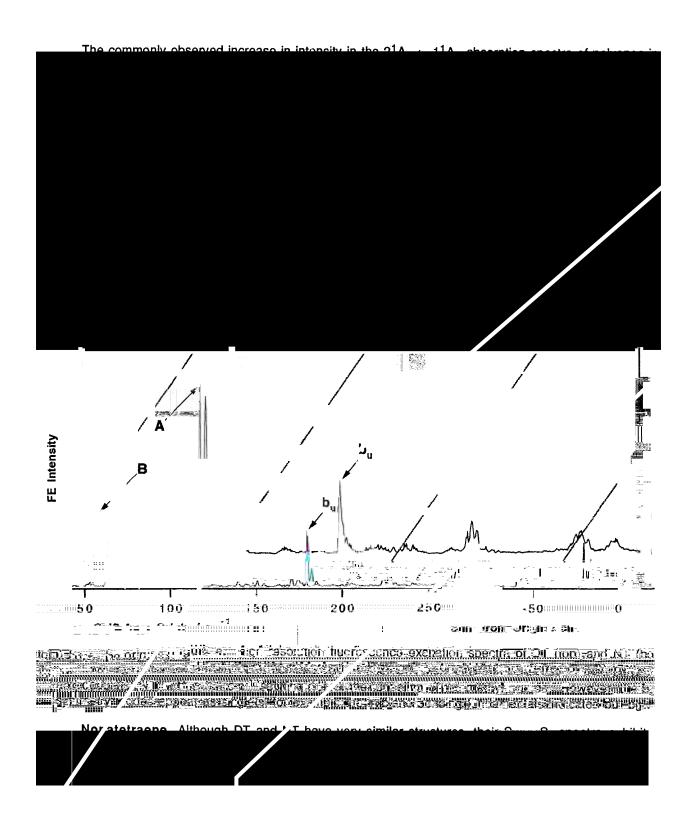


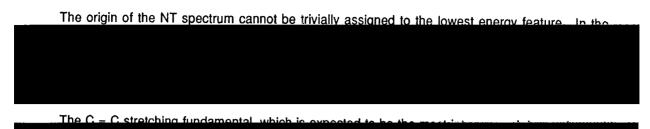




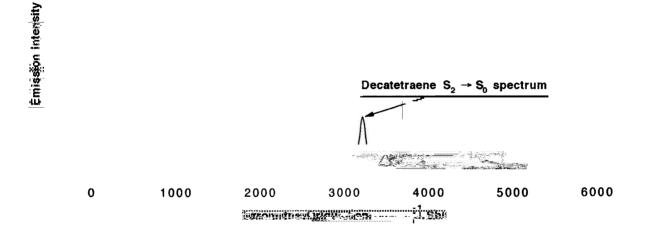
	Although	the	octatriene	lifetimes	are	significantly	longer	than	those	of he	xatriene,	their	shortness
					_								
THE YOU SERICUOL FROM A WOOD SOUTH OF THE TRANSPORT													
	The fluor	0000	nce excita	tion speci	ra o	f Int and NT	ara ma	O C LIFE	d from	thair	٠ ه	oriai	20.01
4.1	$\textbf{S}_1 \leftarrow \textbf{S}_0$	Flu	orescenc	e Excita	atio	n Spectra							
	Doggtot	none.	Tho m	ooured f		acanac avail	_4:		م داد کام	_	O	-141	

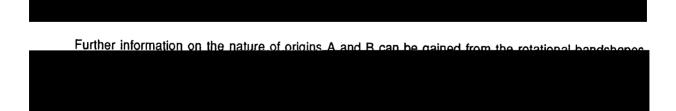


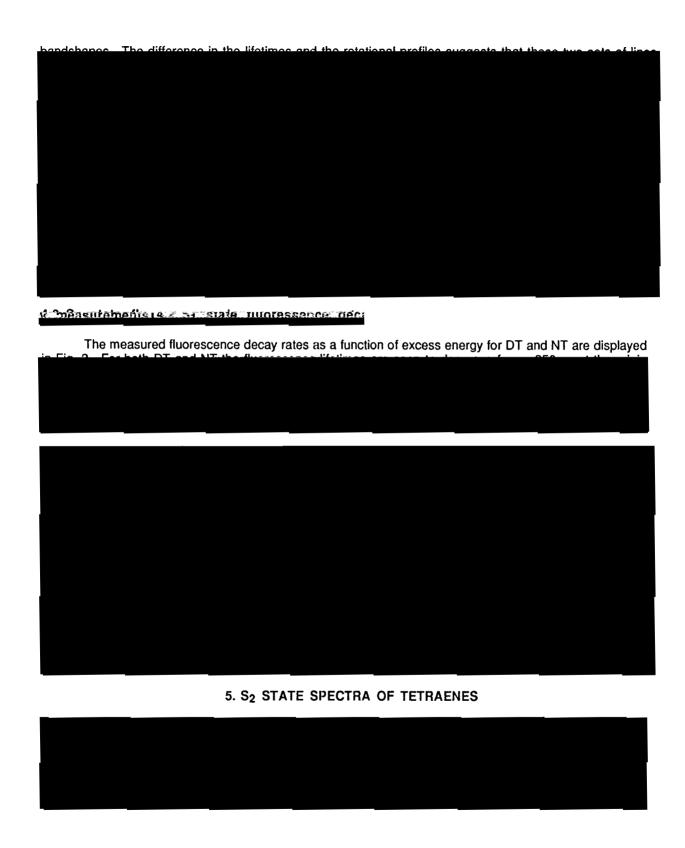


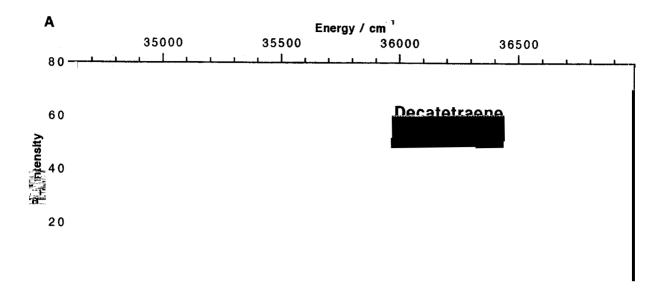


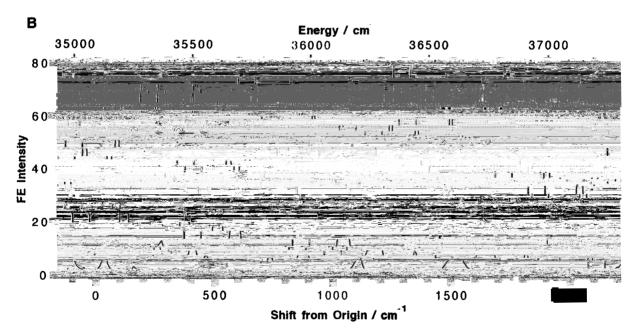


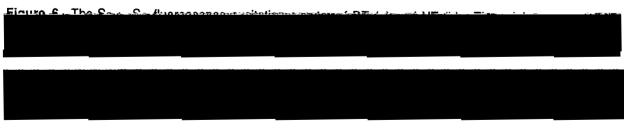




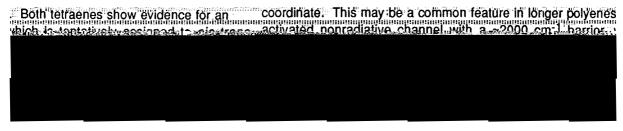








tetraenes in the S ₂ state or in the isoenergetic highly vibrationally levels of the S ₁ state is very smaller polecules. Appropriate disposint and the state is very smaller polecules.	all for						
The increase in linewidths with excess operay in the Streets involved in the Streets in the Streets in the Street							
6. TEMISSION SPECTRA FROM THE S1 AND S2 STATES OF TETRAENES							
7. CONCLUSIONS Linear polyenes show several interesting trends in structure and reactivity as a function of							
The state of the s							



8. ACKNOWLEDGEMENTS

We are grateful to Boyal Society/Japan Society for the Promotion of Science for support of A ID.

9. REFERENCES

