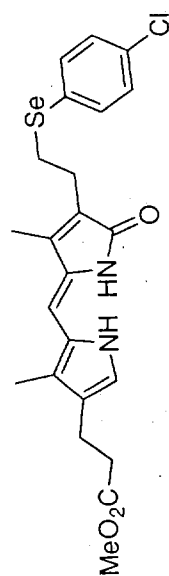


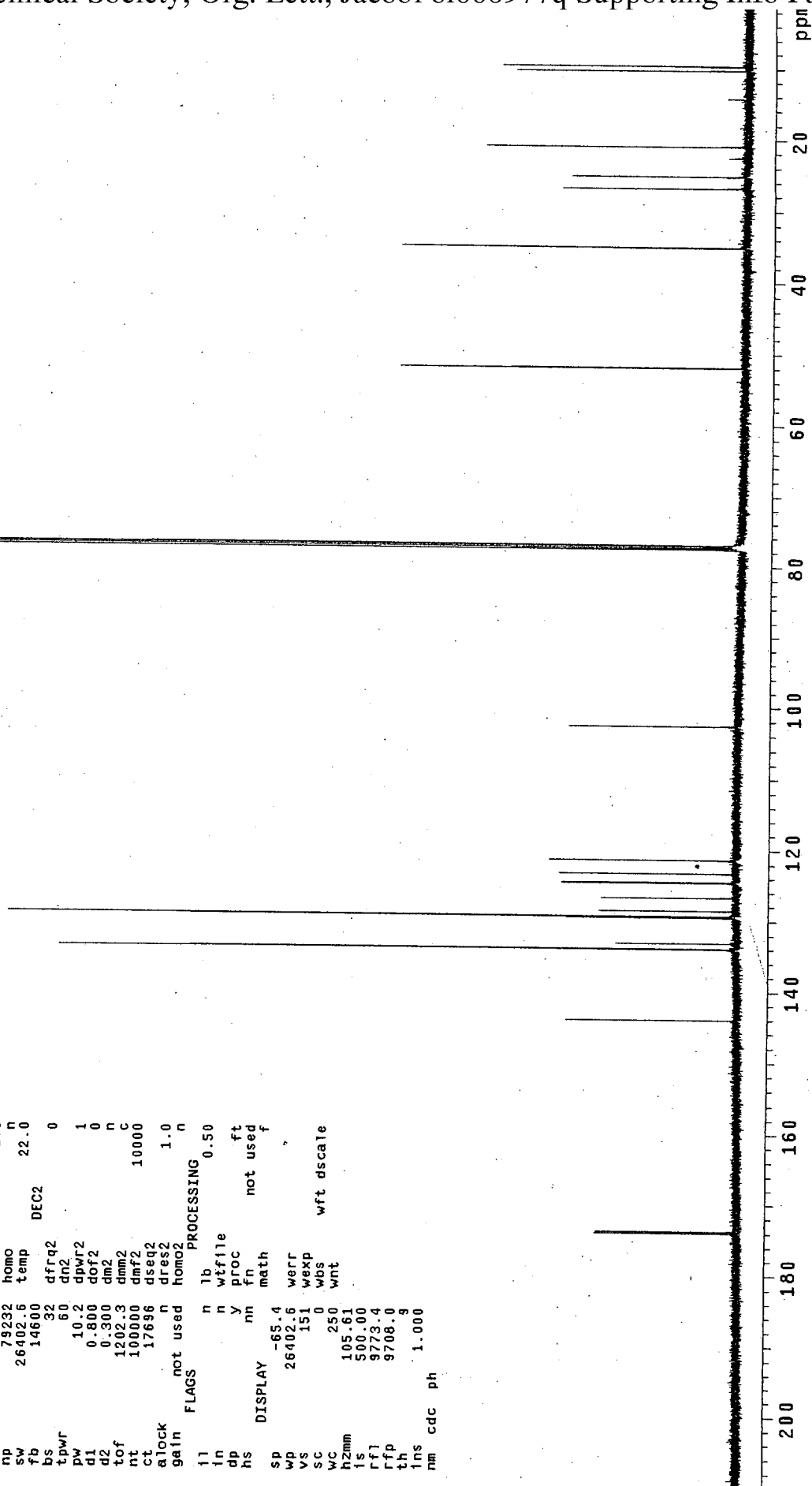
DP-II-224 C13

exp1 s2pul

SAMPLE Mar 15 00 dfrq DEC. & VT
 solvent Mar CDC13 dn 499.875 H1
 file /data1/guest/~ dfr 38
 DP500/DP-II-227.C1~ dfr 504.0
 3.unsubCDselenide dm nny w
 ACQUISITION dnm 11111
 sfrq 125.706 dmf 11111
 tn C13 dseq
 at 1.500 dres 1.0
 np 73232 homo n
 sw 26402.6 temp 22.0
 fb 14600
 bs 32 dfrq2 0
 tpwr 60 dn2 1
 pw 10.2 dpwr2 0
 dl 0.800 dof2 0
 dz 0.300 dm2 n
 tof 1202.3 dnm2 c
 nt 100000 dmf2 10000
 ct 17696 dseq2
 ct 17696 dres2 1.0
 alock not used homo2 n
 gain
 FLAGS lb n lb n
 il n n wf file 0.50
 ln n y proc ft
 dp y fn not used f
 hs nn math
 DISPLAY -65.4 werr
 sp 26402.6 wexp
 wp 151 wbs
 vs 250 wnt
 sc 105.61
 wc 500.00
 hzmm 9773.4
 ls 9708.0
 rf1
 rfp
 th
 ins 1.000
 nm cdc ph



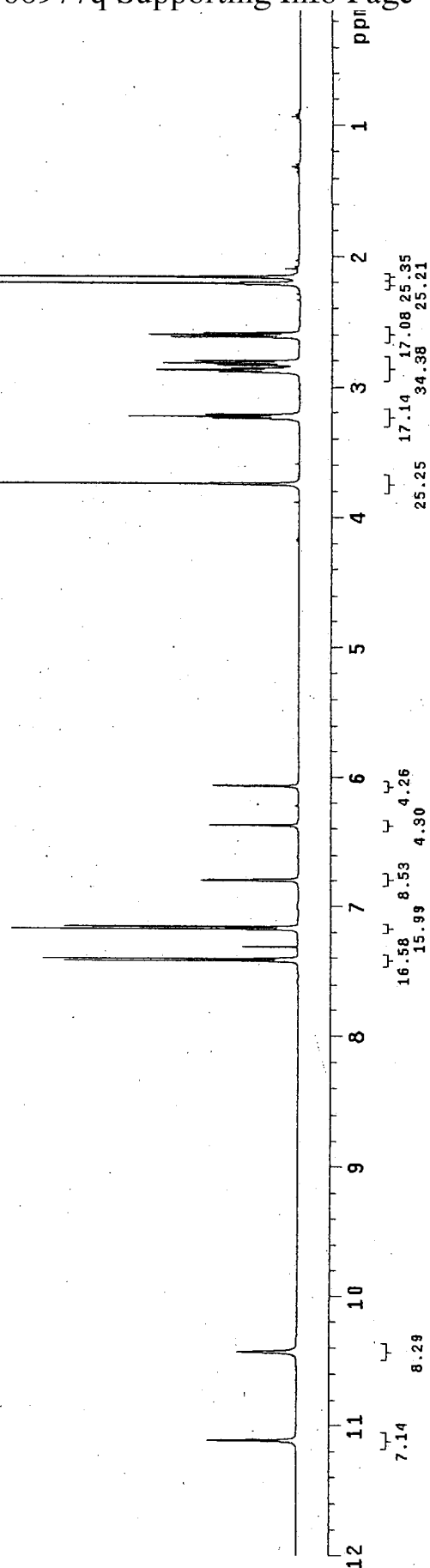
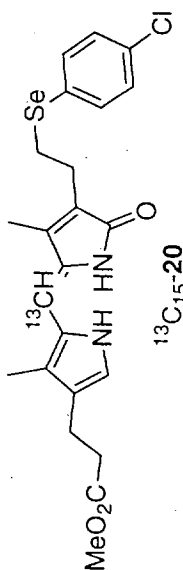
20

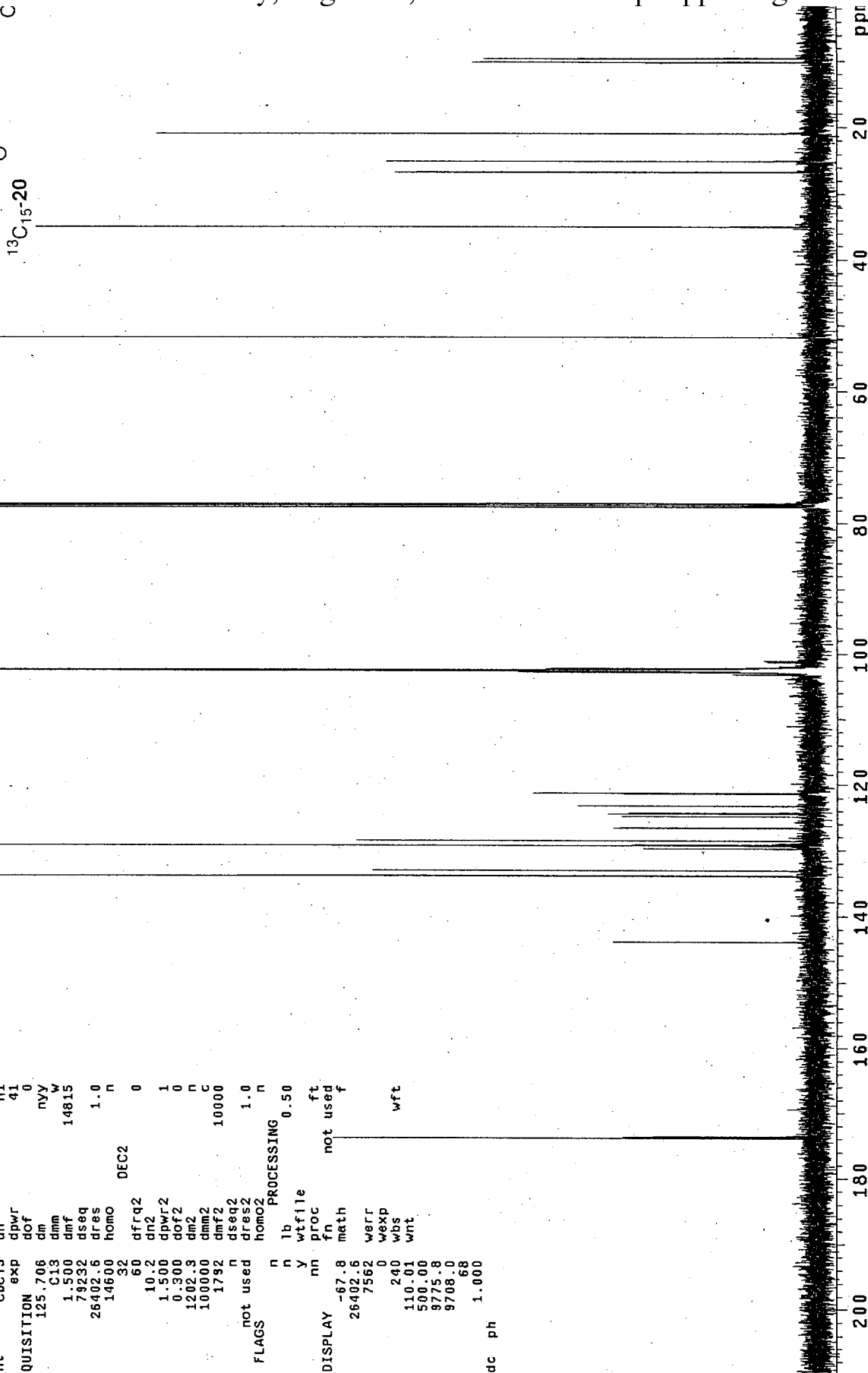
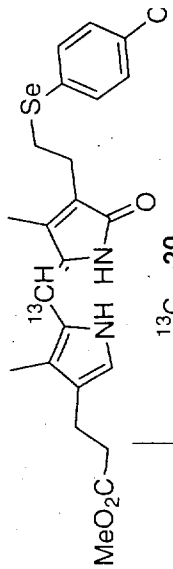


DP-II-235 C-15/C13 unsubstituted Cd sele
nide

exp1 s2pul

date	SAMPLE	DEC. & VT
solvent	Apr	499.875
file	CDC13	H1
ACQUISITION	exp	38
sfrq	499.875	0
tn	H1	nnn
at	2.997	dm
np	47936	11111
sw	7998.4	dseq
fb	4400	dres
bs	8	1.0
tpwr	59	n
pw	5.6	DEC2
d1	1.000	dfrq2
tof	513.1	dn2
nt	500	dpwr2
ct	158	dof2
alock	not used	dm2
gain	not used	dmm2
FLAGS	not used	dmf2
il	n	dseq2
in	n	dres2
dp	n	homo2
hs	nn	PROCESSING
sp	-0.1	lb
wp	5998.5	wtfile
vs	149	proc
sc	0	fn
wc	240	math
hzm	24.99	werr
is	296.63	wexp
rfl	4620.8	wft
rff	3634.1	aph
th	100.000	vsadj
ins		wft
nm		





DP-II-235 C13 unsubstituted selenide CD

exp1 s2pu1

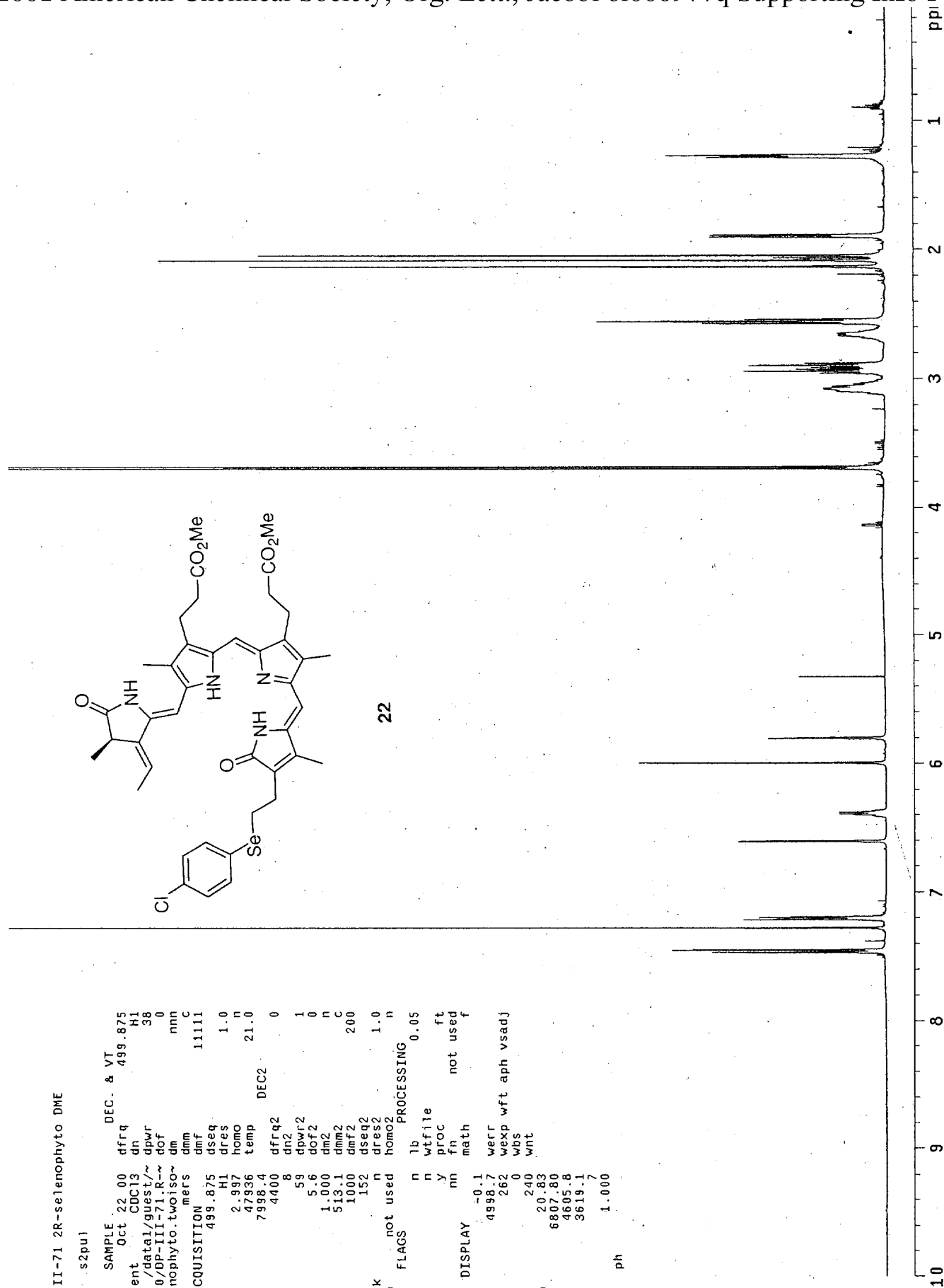
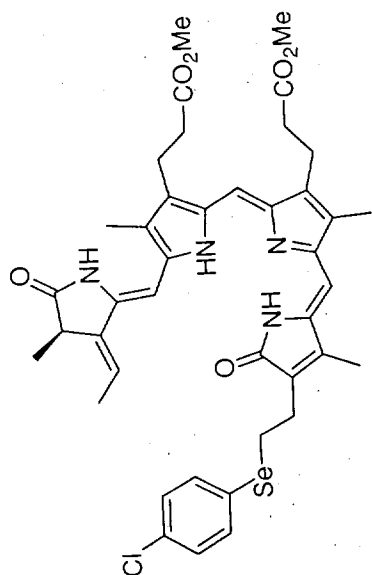
SAMPLE		DEC. & VT	
date	Apr	5 00	dfrq
solvent	CDC13		dn
file	exp		dpr
ACQUISITION			
sfrq	125.706		dm
tn	g13		dmm
at	1.500		dmf
np	79322		dseq
sw	25402.6		dres
fb	14500		homo
bs	32		DEC2
tpwr	60		dfrq2
pw	10.2		dn2
d1	1.500		dprw2
d2	0.900		dof2
tof	1202.3		dm2
nt	10000		dmm2
ct	1792		dmf2
alock			dseq2
gain	not used		dres2
FLAGS			
l1	n		homo2
l2	n		PROCESSING
l3	n		lb
dp	y		wtfile
hs	nn		proc
DISPLAY			
sp	-67.8		math
wp	26402.6		not used
vs	7562		ft
sc	0		werr
wc	240		wexp
h2mm	110.01		wbs
ls	500.00		wnt
rfl	9775.8		wt
rfp	9700.0		wt
th	68		
ins	1.000		
nm	cdc		ph

DP-III-71 2R-selenophyto DME

exp1 s2pul

SAMPLE DEC. & VT
 date Oct 22 00 dfrq 499.875
 solvent CDCl3 dn H1
 file /data/guest/~ 38
 DP500/DP-III-71.R~ 0
 selenophyto.twoiso~ nnn
 mers 11111
 C
 ACQUISITION
 sfrq 499.875 dseq
 tn H1 dres 1.0
 at 2.937 homo n
 np 47936 temp 21.0
 sw 7998.4
 fb 4400
 bs 8
 dn2 0
 dfrq2
 tpwr 59 dpwr2 1
 pw 5.6 dof2 0
 d1 1.000 dm2 n
 tof 513.1 dmm2 C
 nt 1000 dmf2 200
 ct 152 dseq2
 alock n dres2 1.0
 gain not used homo2 n
 FLAGS
 il n lb
 in n wtfile 0.05
 dp y proc ft
 hs nn math not used f
 DISPLAY -0.1 werr
 sp 4998.7 wepp wft aph vsadj
 wp 262 wbs
 vs 0 wnt
 wc 240
 hzmm 20.83
 is 6807.80
 rfl 4605.8
 rfp 3619.1
 th 7
 ins 1.000
 nm ph

22



DP-III-93 2S-phyto selenide

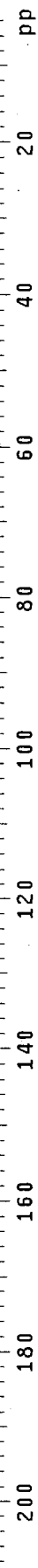
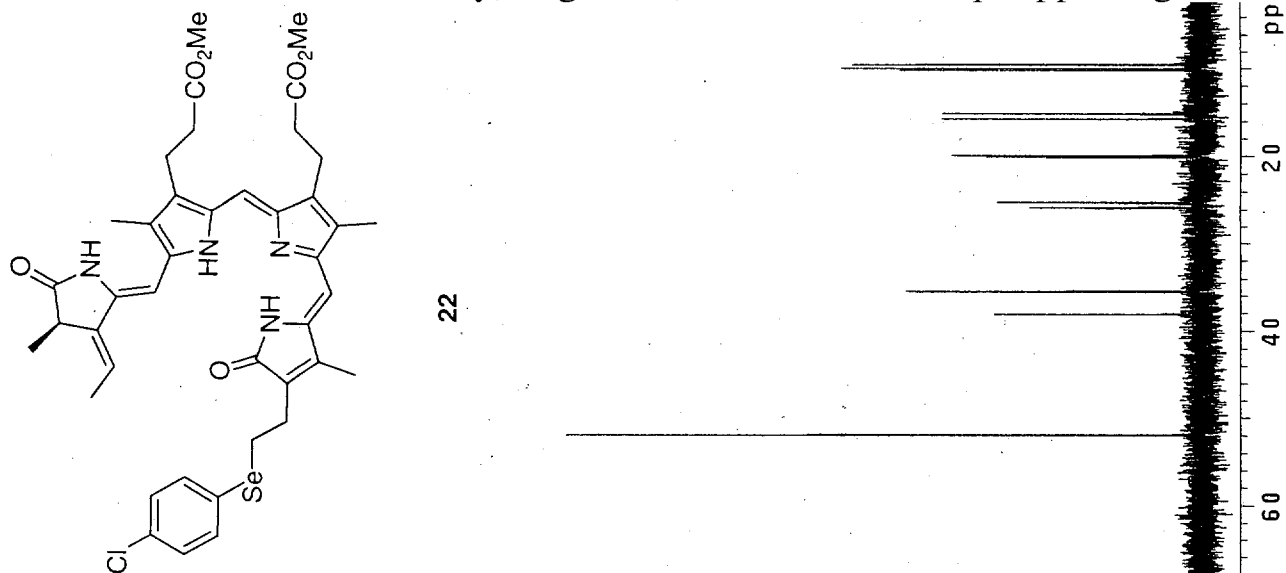
exp1 s2pul

SAMPLE DEC. & VT
 date Nov 27 00 dfrq 499.875
 solvent CDC13 dn H1
 file/datal/guest/~ dpwr 41
 DP500/DP-III-93.13~ dm 0
 C.2S-selenophytodm~ nyy
 E w 14815

ACQUISITION
 sfrq 125.705 dseq
 tn C13 dres 1.0
 at 1.500 homo
 np 79232 temp 21.0
 sw 26402.6 dfrq2 0
 fb 14600 dn2
 bs 16 dn2
 tpwr 60 dpwr2 1
 pw 10.2 dof2 0
 d1 1.500 dm2 n
 d2 0.400 dmm2 c
 tof 1202.3 dmf2 10000
 nt 100000 dseq2
 ct 23356 dres2 1.0
 alock n
 gain not used
 flags lb PROCESSING 0.50
 il n wfile
 in n proc
 dp y fn not used
 hs nm math f

DISPLAY -61.8 werr
 sp wp 26402.6 wexp
 vs wbs 696 wft dscale
 sc 0 wnt
 wc 240
 hzmm 110.01
 ls 9474.00
 rfl 9769.8
 rfp 9708.0
 th 7
 ins 100.000
 nm ph

22

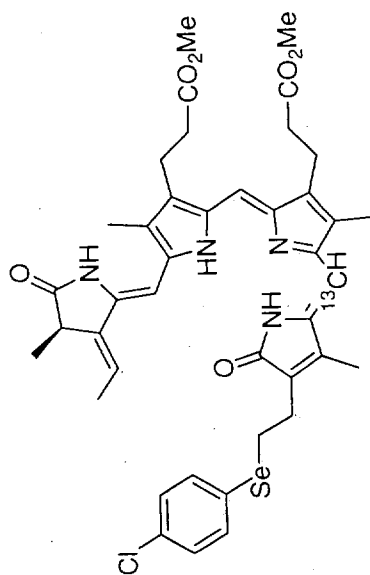


DP-III-67 2R-selenophytochromobilindimethylester

exp1 s2pul

date	Oct 16 00	dfreq	499.875	DEC. & VT
solvent	CDCl3	dn	H1	
file	/data1/guest/~dwr	38		
DP500/DP-III-67.H1~	dof	0		
.13C-2Rphytochrome	nm	c		
ACQUISITION	de	dmf	11111	
sfrq	499.875	dseq		
tn	H1	dres	1.0	
at	2.997	homo	n	
np	47936	temp	21.0	
sw	7998.4	DEC2		
fb	4400	dfreq2	0	
bs	8	dn2	1	
tpwr	59	dpwr2	0	
pw	5.6	dof2	n	
d1	1.000	dm2	c	
tof	513.1	dmm2	200	
nt	1000	dmf2		
ct	599	dseq2	1.0	
alock	n	dres2	n	
gain	not used	homo2	n	
FLAGS				
il	n	lb	0.05	
in	n	wtfile		
dp	y	proc	ft	
hs	nn	fn	not used	
DISPLAY		math	f	
sp	-0.1	werr		
wp	4998.7	wexp	wft	
vs	161	wbs	aph	
sc	0	wnt	vsadj	
wc	240			
hzmm	20.83			
ls	1075.94			
rfl	4625.4			
rffp	3634.1			
th	10			
ins	10			
nm	100.000			
	ph			

¹³C-15-22



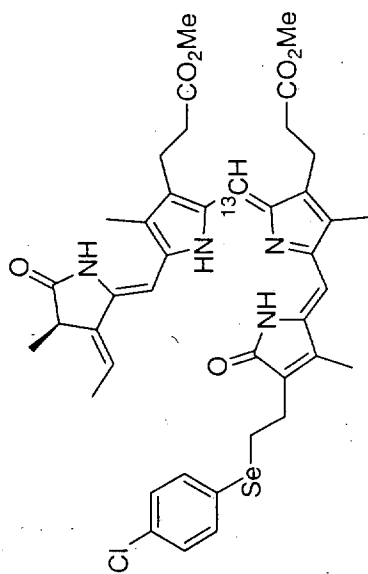
10 9 8 7 6 5 4 3 2 1 ppr

DP-III-120 1H 13C/C10 labeled phytoselen

1de

exp2 s2pul

SAMPLE
 date 8.00 DEC 8.00 dfrq 499.875
 solvent CDCl3 dn H1
 file exp 38
 ACQUISITION
 sfrq 499.875 dm 11111
 tn H1
 at 2.937 dmf
 np 47936 dseq
 sw 7998.4 dres
 fb 4400 homo
 bs 8 temp
 tpwr 59 DEC2
 pw 5.6
 dl 1.000 dn2
 tof 513.1 dpwr2
 nt 500 dof2
 ct 248 dm2
 alock n
 gain not used
 FLAGS
 il n
 in n
 dp y
 hs nn
 lb PROCESSING 0.05
 DISPLAY
 sp -0.1 wfile
 wp 4998.7 fn not used
 vs 150 math
 sc 0
 wc 240 werr
 hzmm 20.83 wexp wft aph vsadj
 ls 280.75 wbs
 rfl 4605.8 wnt
 rfp 3619.1
 th 7
 ins 100.000
 nm ph

 $^{13}\text{C}_{10-22}$ 