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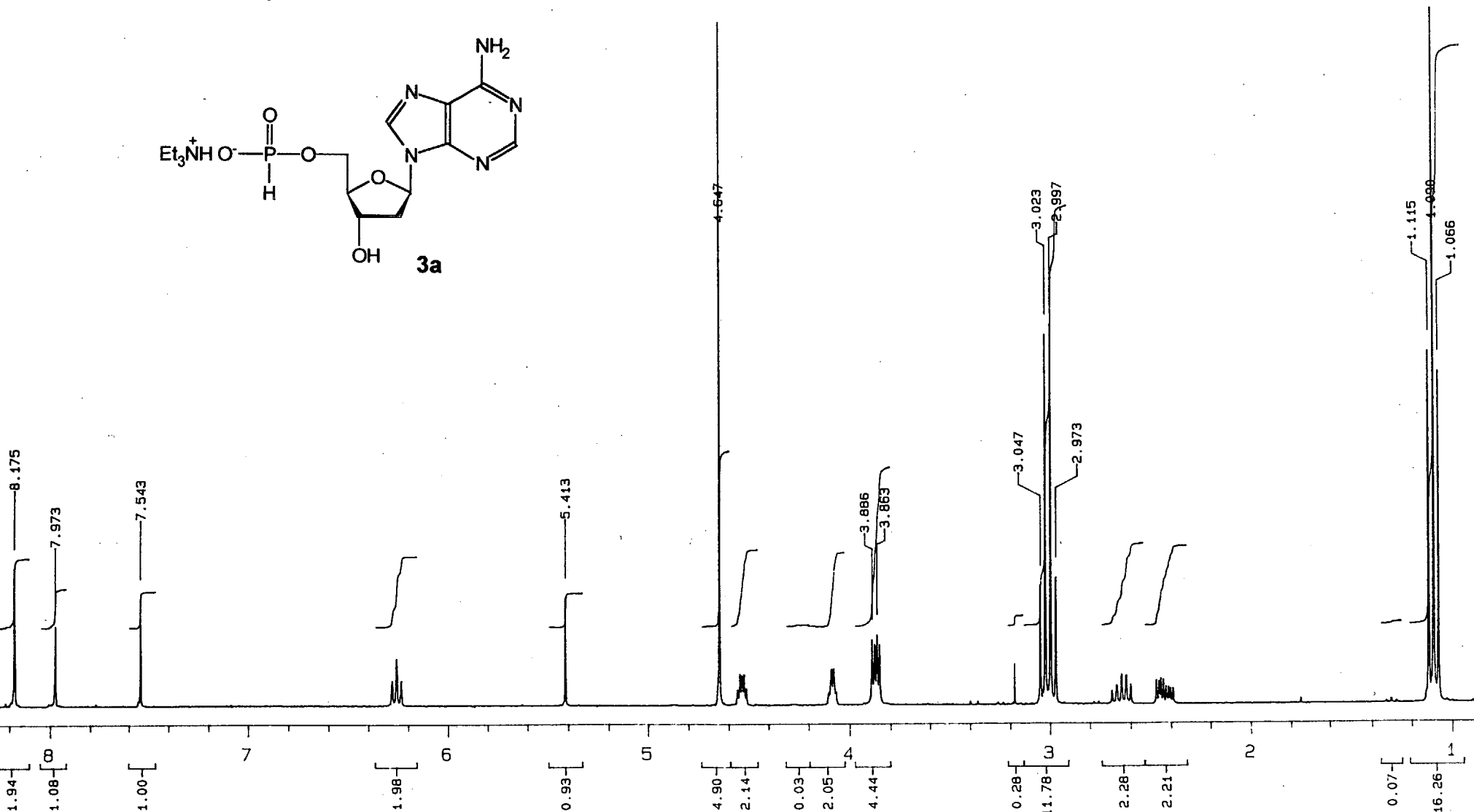
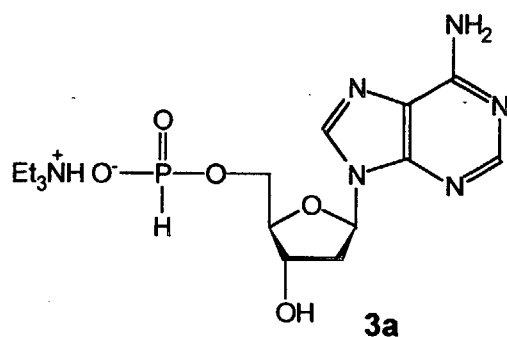


ACS Publications

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¹H NMR spectra



H1 299.9486
4000.0 500.3
3.744 0
20.0 160

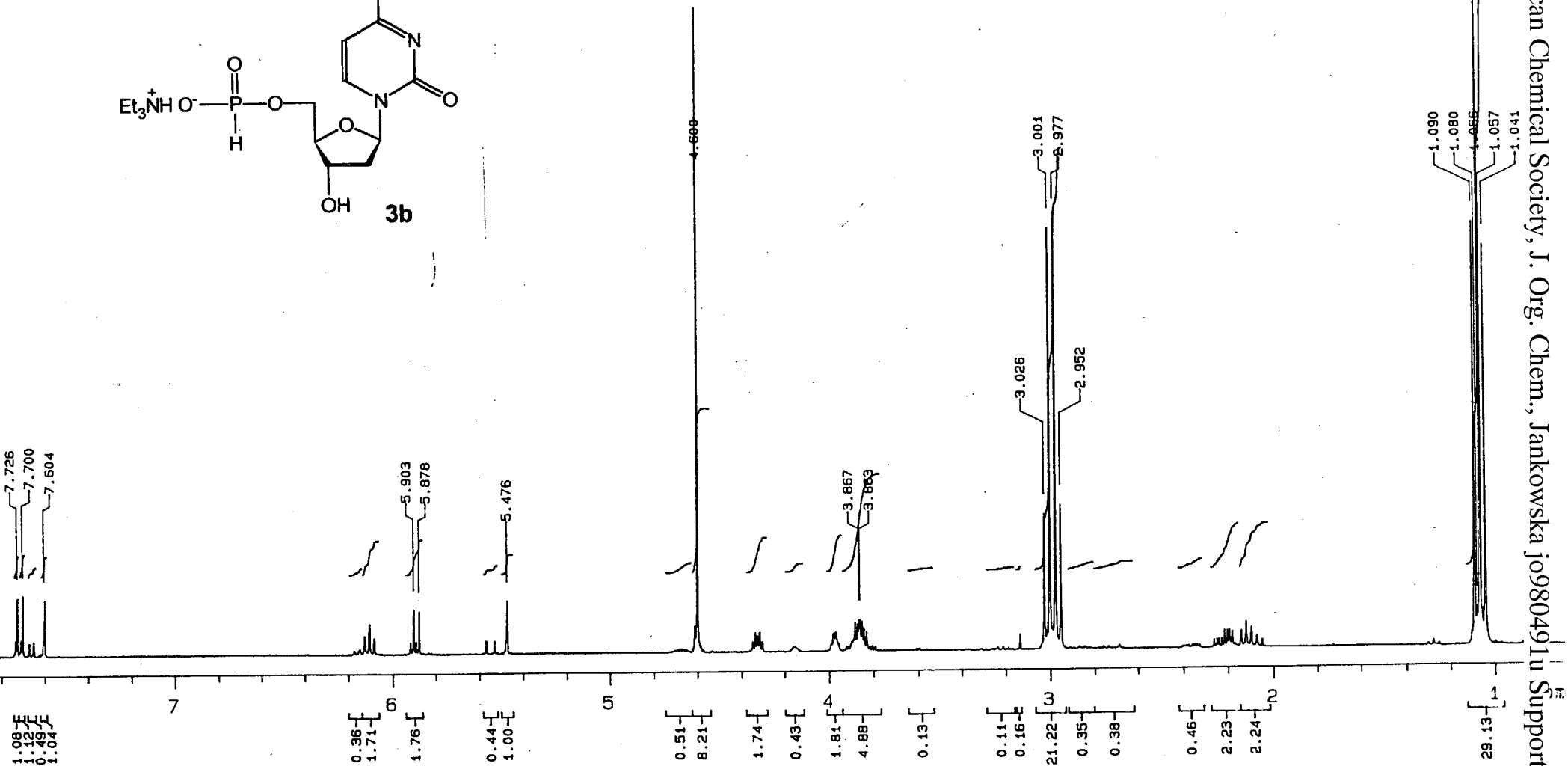
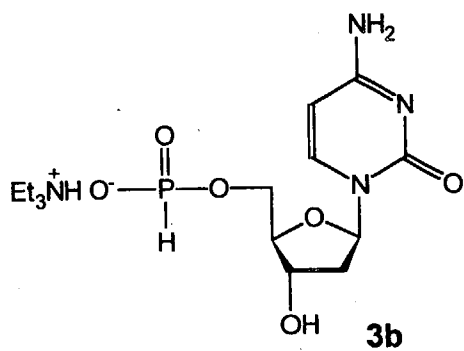
H1 0
nnn not used
c 200
30

not used
not used not used
2334.4 184.7

92pul
not used
D20

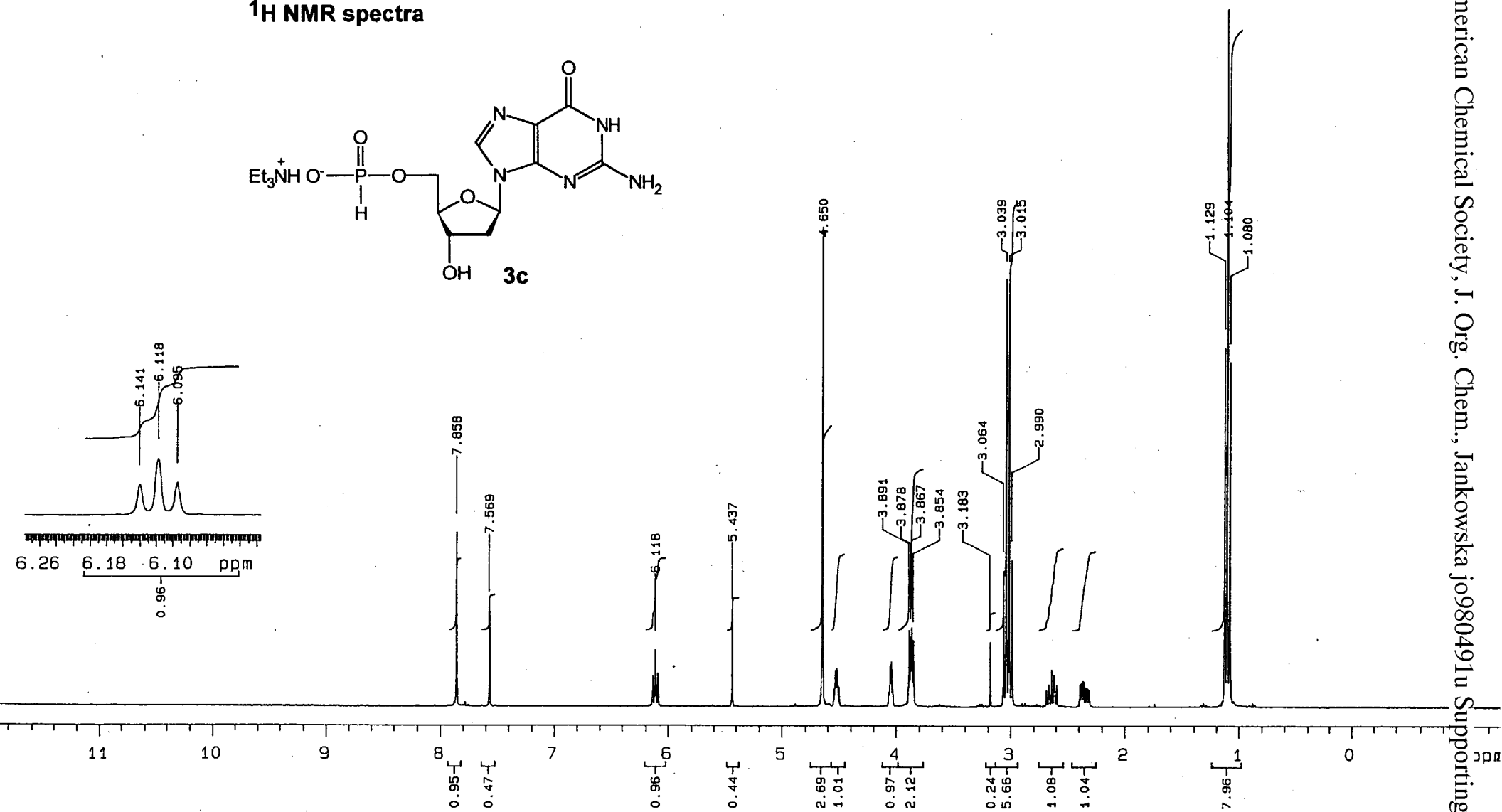
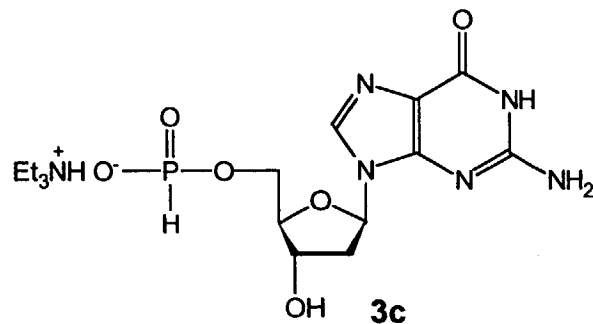
AS_A1_1H

¹H NMR spectra



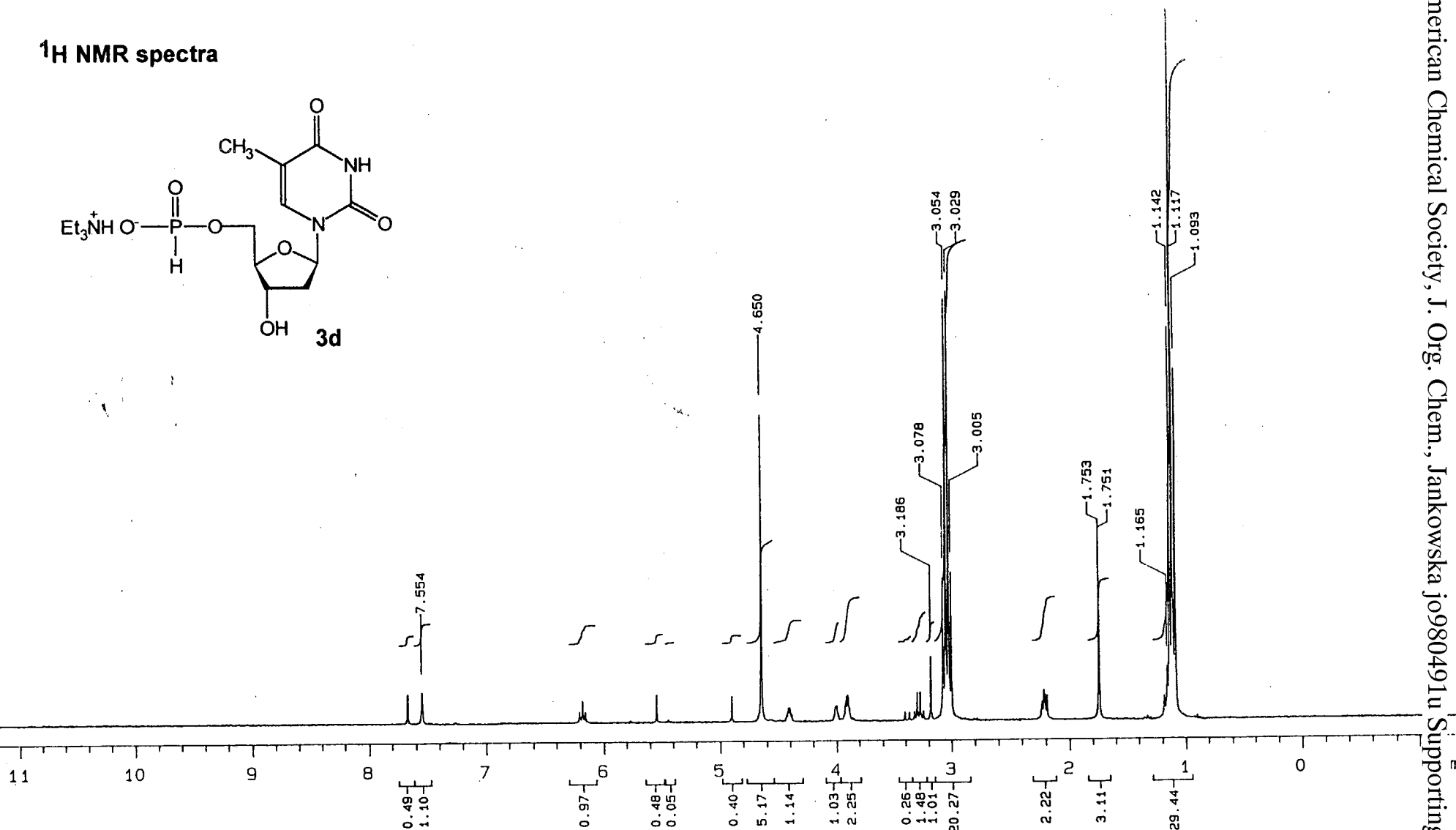
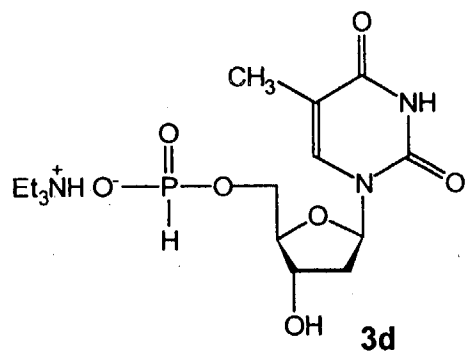
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4000.0	500.3	nnn	not used	not used not used		
3.744	0	c	200	2180.6	193.7	not used
20.0	0		30			D20

¹H NMR spectra

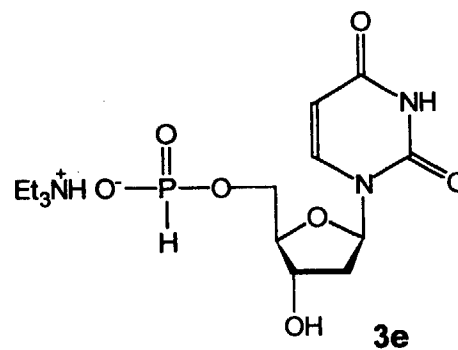


H1	299.9486	H1	0	not used	s2pu1
4000.0	500.3	nnn	not used	not used not used	AS_6_1H
3.744	0	c	200	4000.0	-421.5
20.0	0	---	30		not used
					D20

¹H NMR spectra

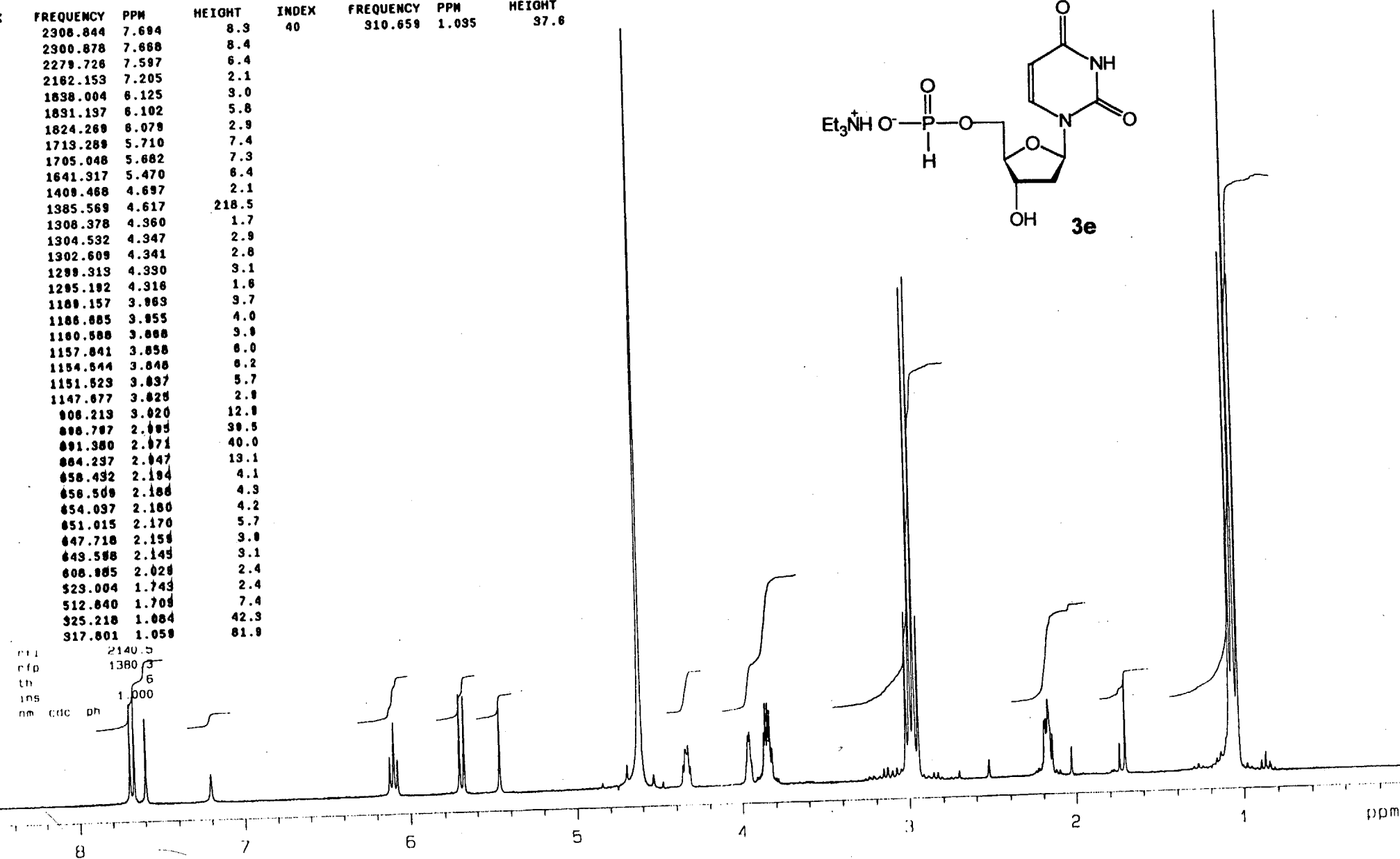


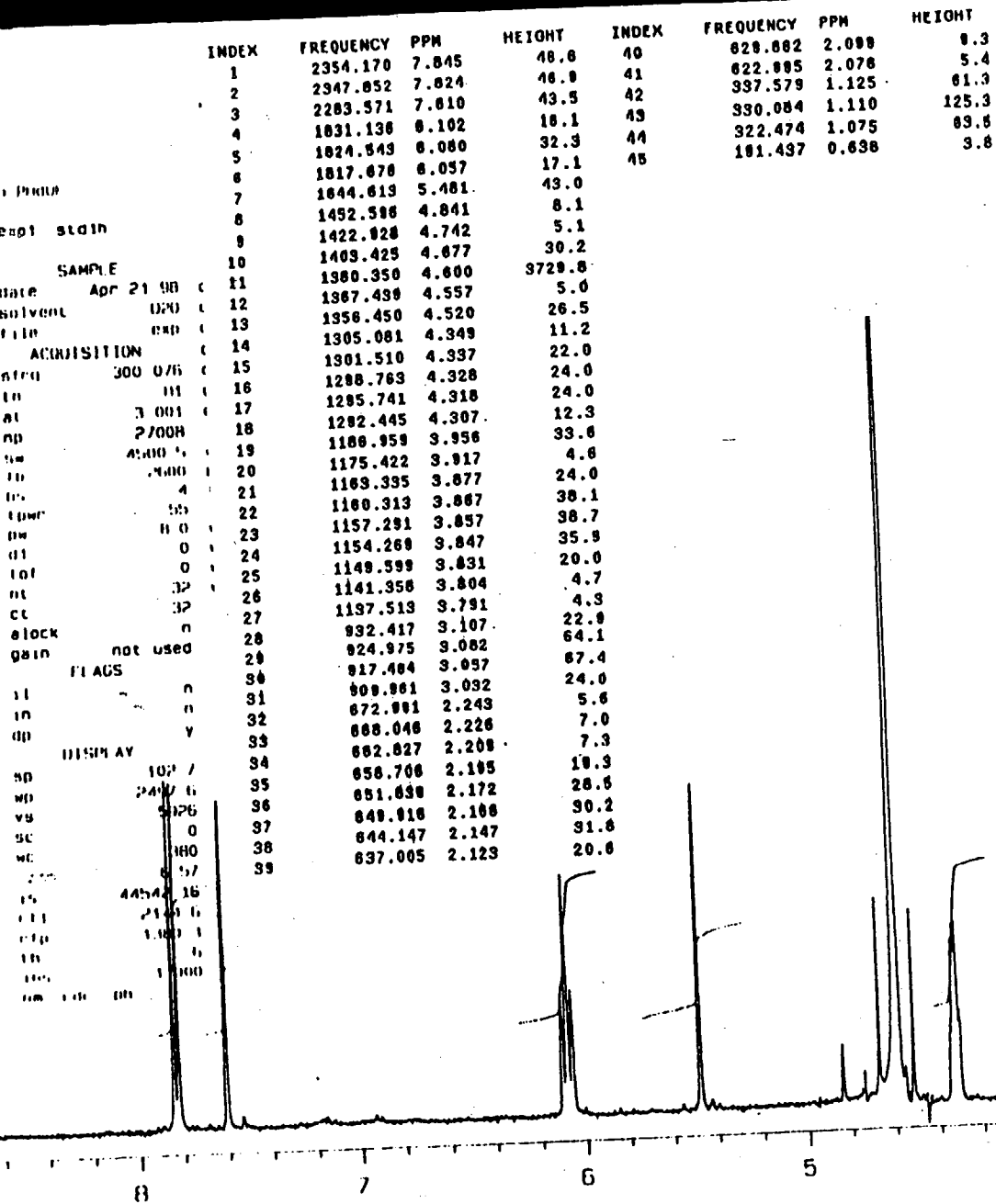
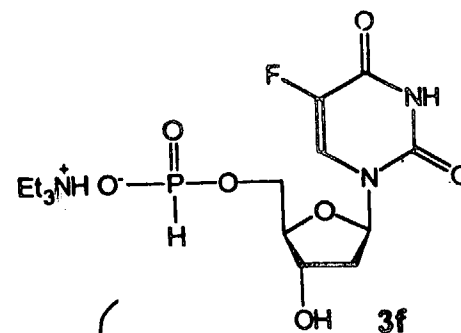
H1	299.9486	H1	0	not used	s2pu1
4000.0	500.3	nnn	not used	not used not used	AS_T_H
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20.0	112	---	30		D20

¹H NMR spectra

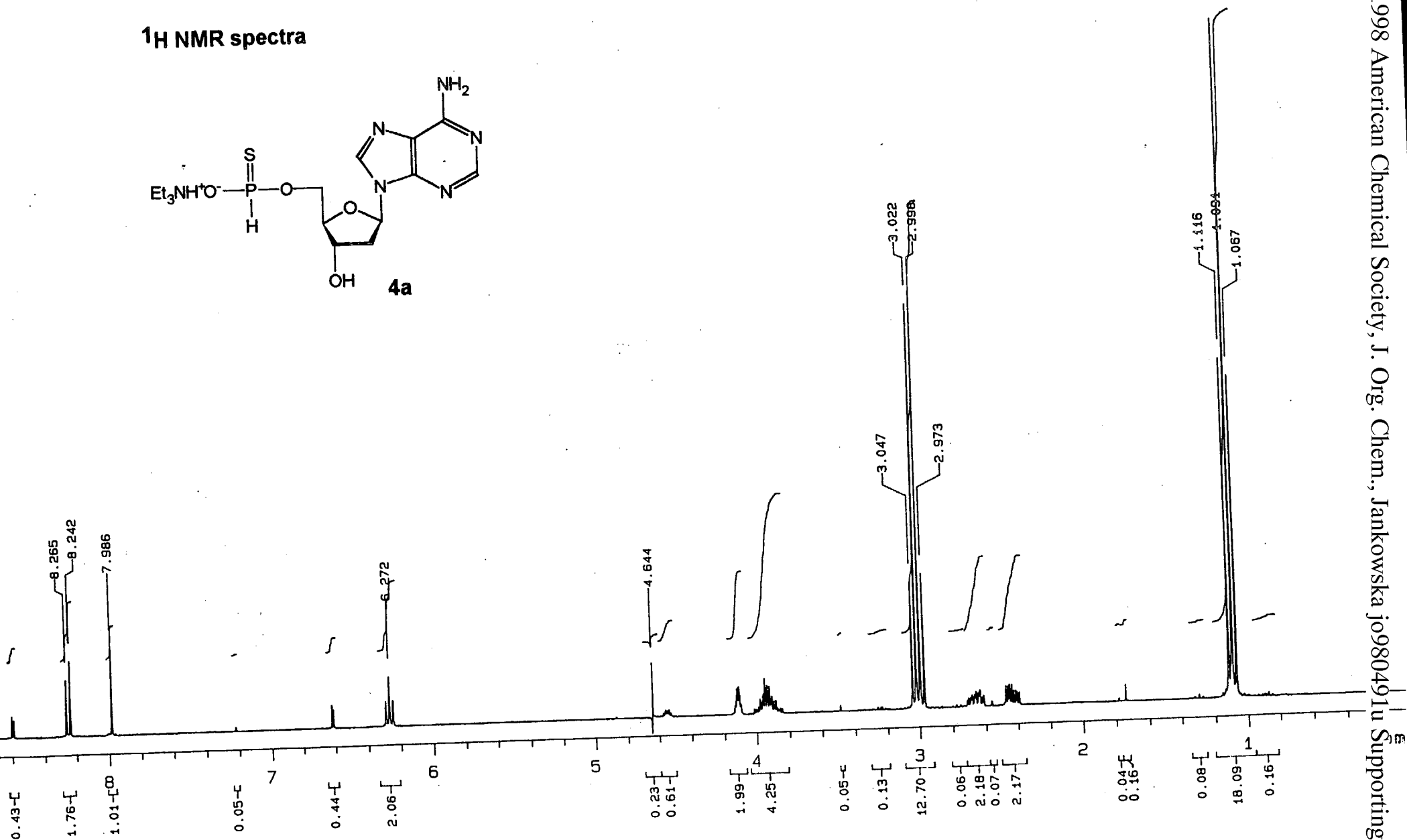
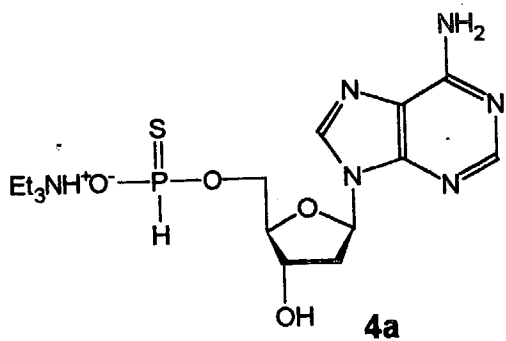
FREQUENCY	PPM	HEIGHT	INDEX	FREQUENCY	PPM	HEIGHT
2308.844	7.694	8.3	40	310.659	1.035	37.6
2300.878	7.668	8.4				
2279.726	7.597	6.4				
2162.153	7.205	2.1				
1838.004	6.125	3.0				
1831.137	6.102	5.8				
1824.269	6.079	2.9				
1713.289	5.710	7.4				
1705.048	5.682	7.3				
1641.317	5.470	6.4				
1409.468	4.697	2.1				
1385.569	4.617	218.5				
1308.378	4.360	1.7				
1304.532	4.347	2.9				
1302.609	4.341	2.8				
1299.313	4.330	3.1				
1295.192	4.316	1.6				
1189.157	3.963	3.7				
1188.885	3.955	4.0				
1180.588	3.888	3.9				
1157.841	3.858	6.0				
1154.544	3.848	6.2				
1151.523	3.837	5.7				
1147.877	3.825	2.8				
908.213	3.020	12.0				
898.797	2.995	39.5				
891.380	2.971	40.0				
864.237	2.947	13.1				
858.432	2.194	4.1				
858.509	2.186	4.3				
854.037	2.180	4.2				
851.015	2.170	5.7				
847.718	2.159	3.0				
843.588	2.145	3.1				
808.885	2.029	2.4				
529.004	1.743	2.4				
512.840	1.709	7.4				
325.218	1.084	42.3				
317.801	1.059	81.9				

p11 2140.5
 rfp 1380.3
 th 6
 ins 1.000
 nm cdc ph



¹H NMR spectra

¹H NMR spectra



H1	299.9486	H1	0
2779.1	316.8	nnn	not used
3.742	1.500	c	200
21.0	96		30

not used
not used not used
2779.1

3.7

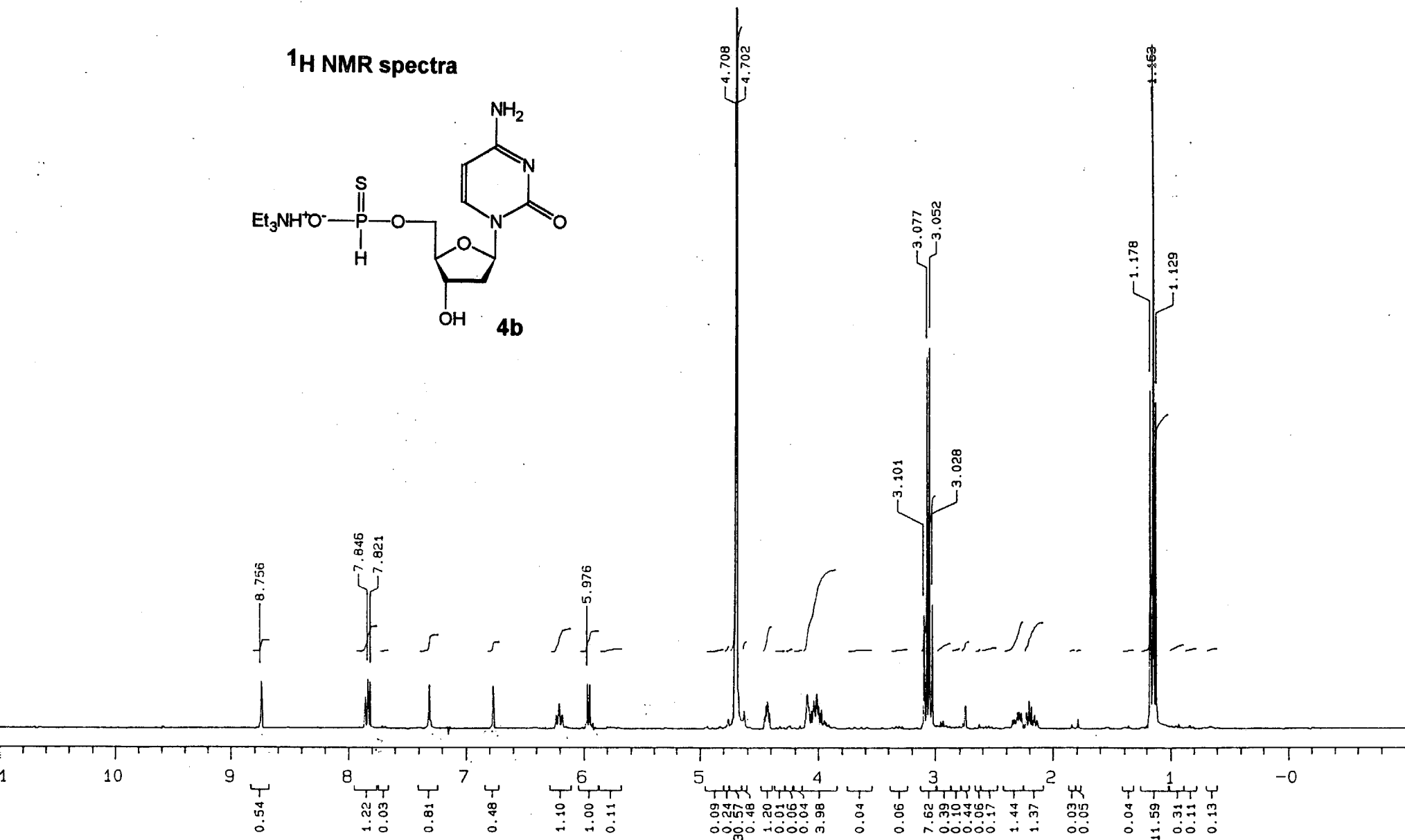
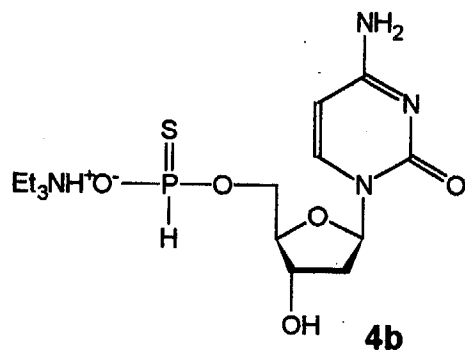
presat

not used

D2O

jj_A_15_1H

¹H NMR spectra



H1
00.0
7.744
20.0

299.9486
500.3
0
36

H1
nnn
c

0
not used
200
30

not used
not used not used
4000.0

-406.3

s2pu1
not used

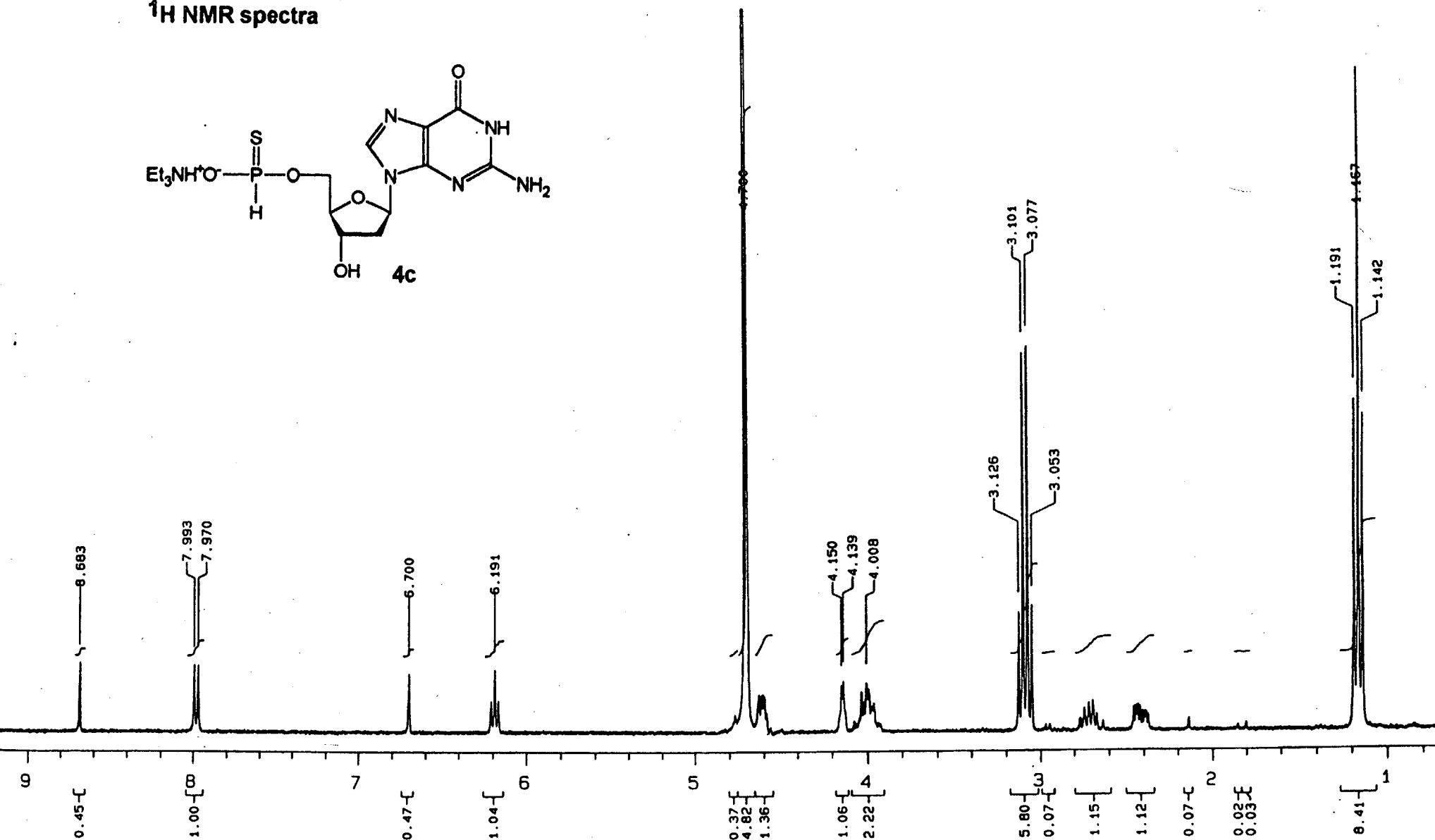
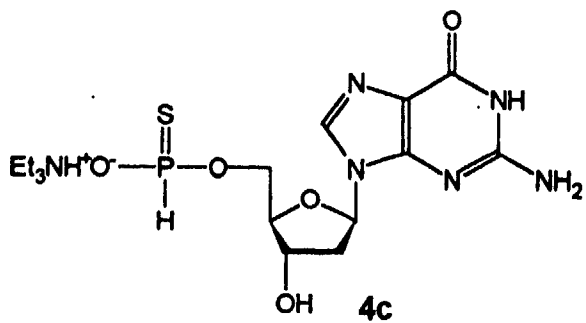
JJ_A_3_1H

D20

Feb 19

300

¹H NMR spectra



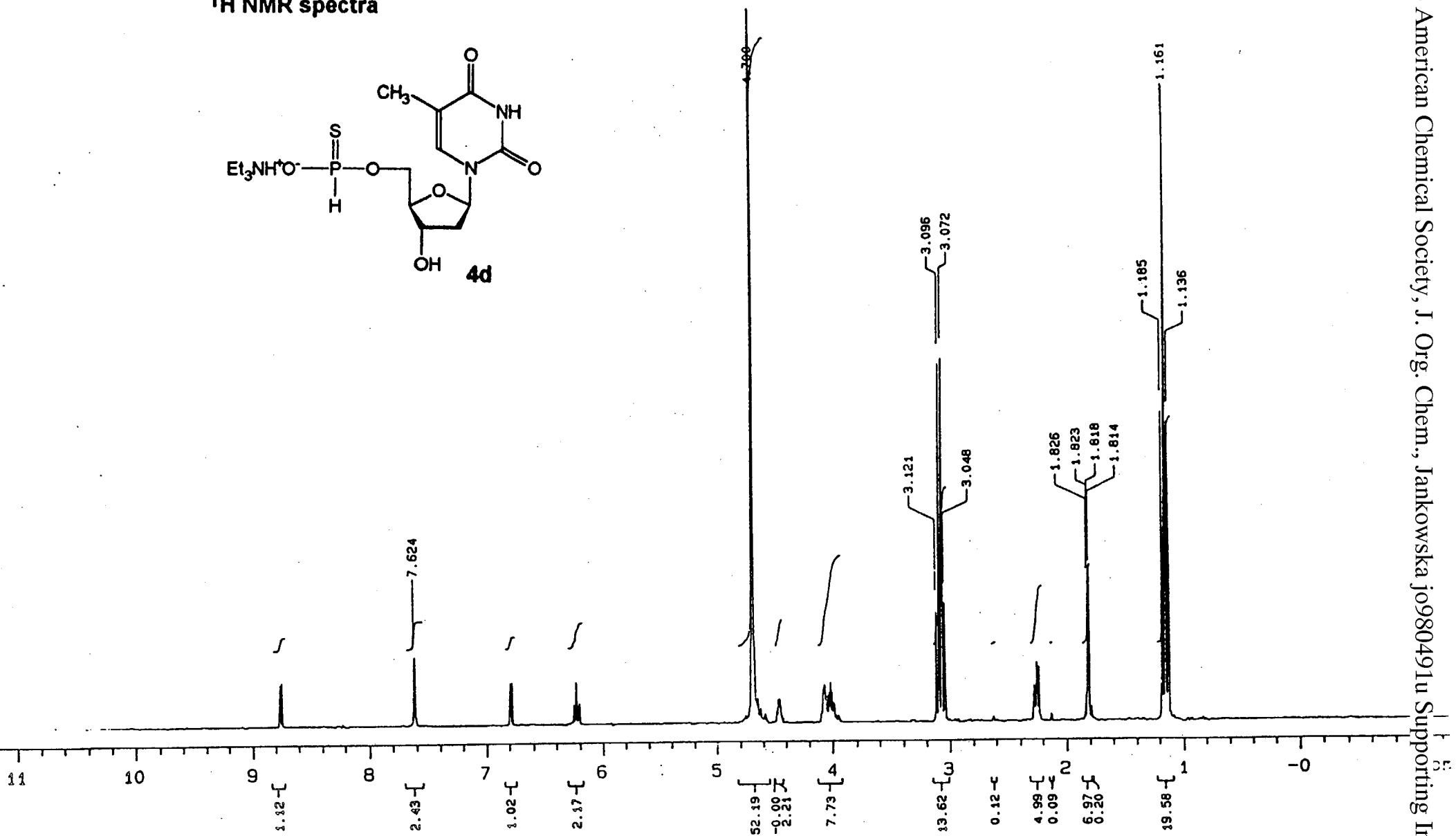
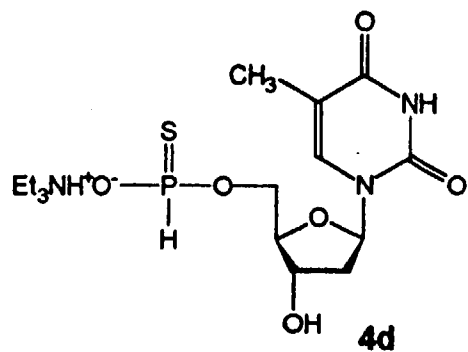
H1	299.9486	H1	0	not used	
2812.7	316.7	nnn	not used	not used not used	
3.743	1.500	c	200	2812.7	3.3
21.0	16		20		

JJA_5_9_1H

not used

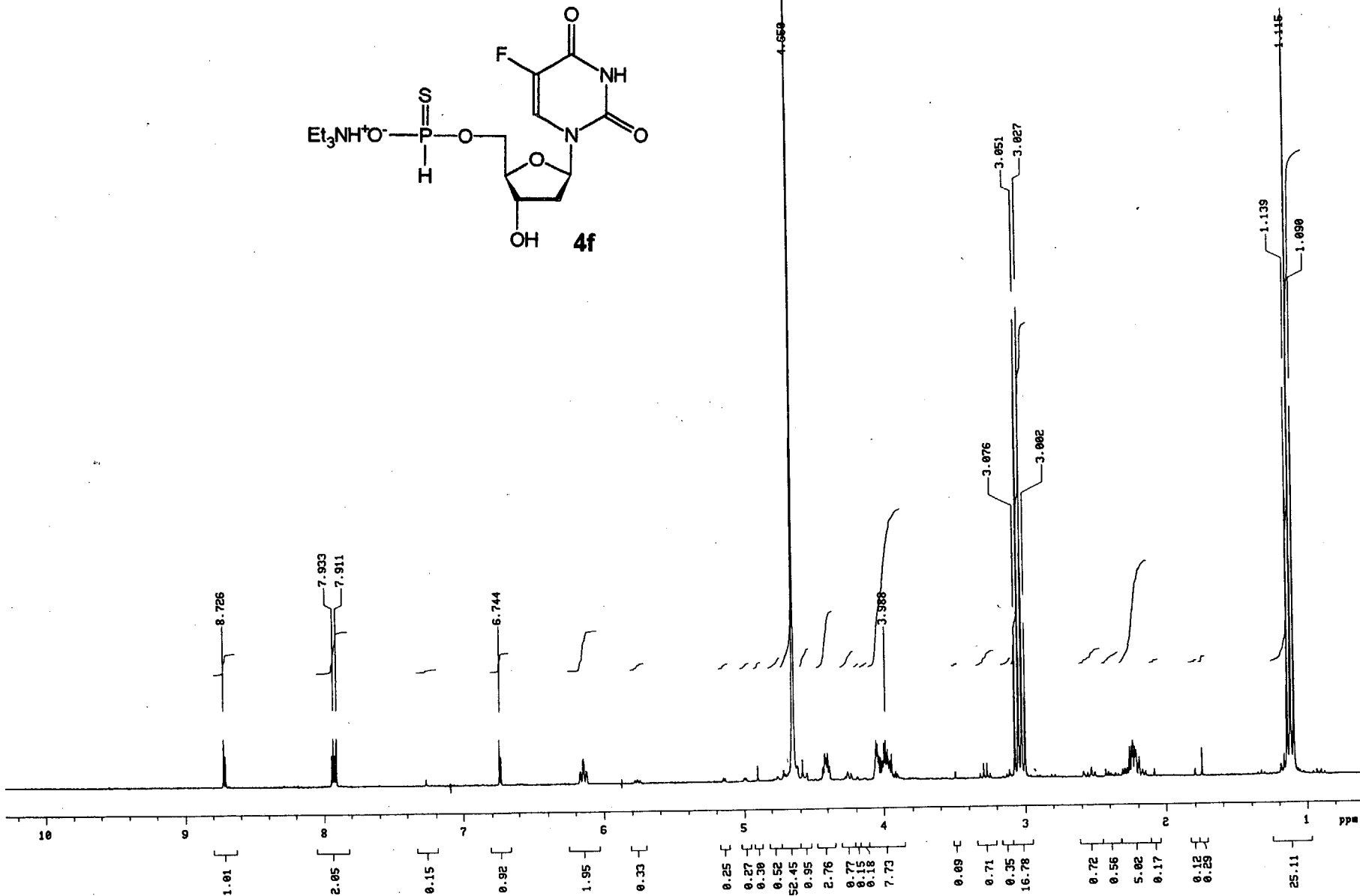
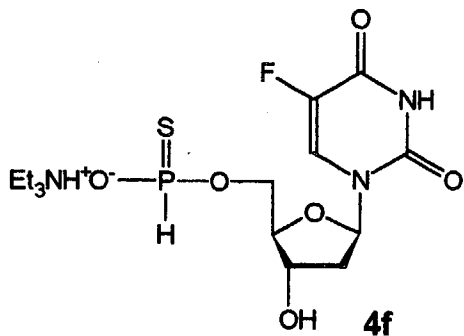
D20

¹H NMR spectra



M3	299.9486	M1	0	not used	92pul
4000.0	300.3	nmh	not used	not used not used	W_A_1_1H
3.744	0	c	200	4000.0	not used
20.0	80	---	30		D20

¹H NMR spectra

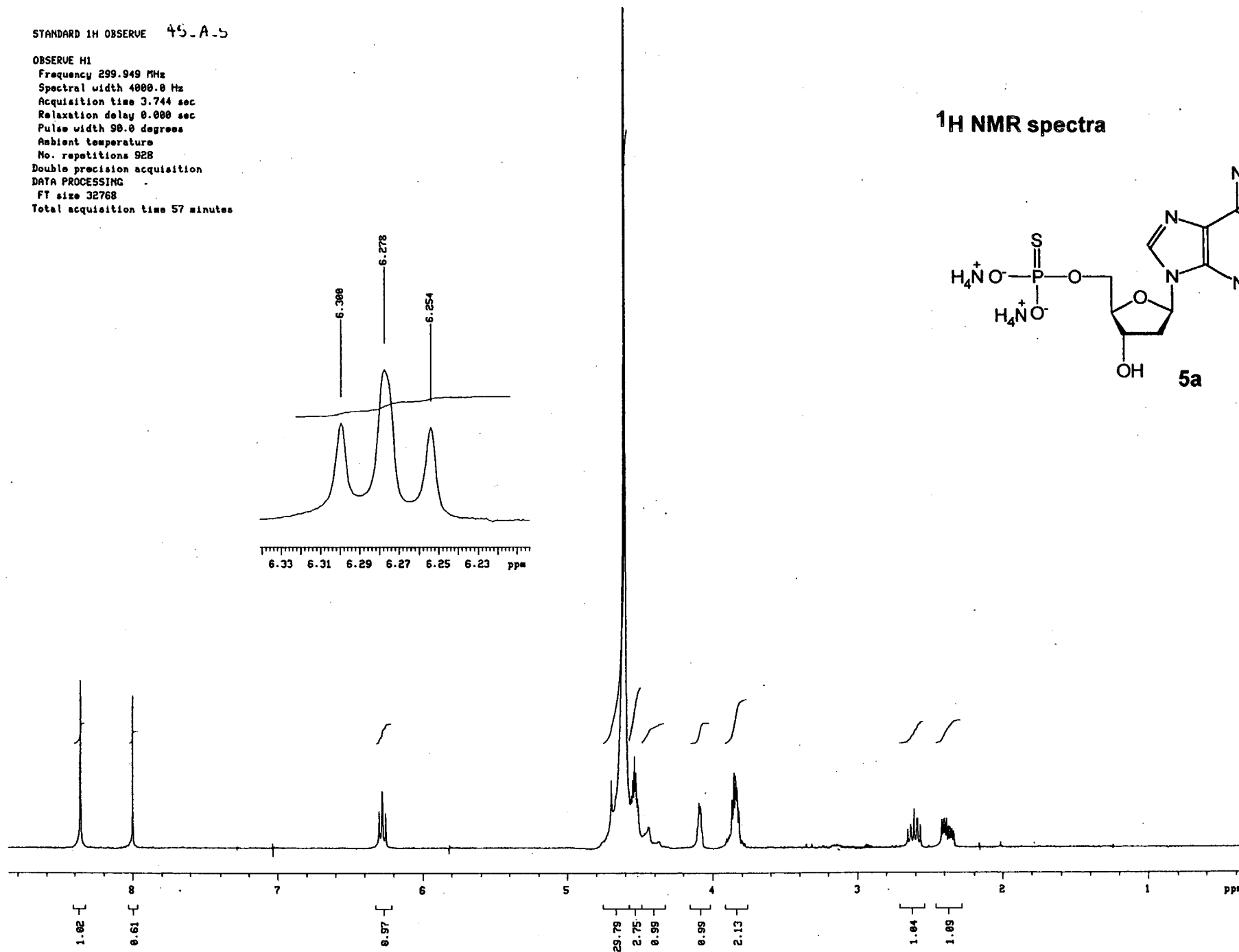
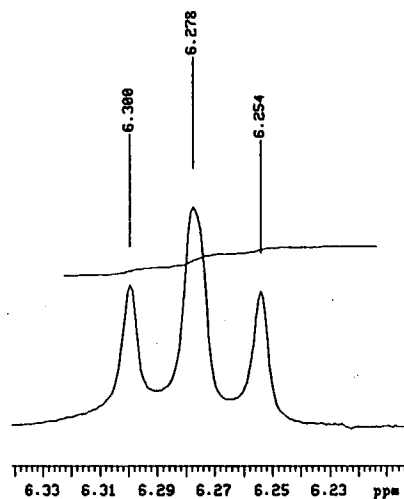
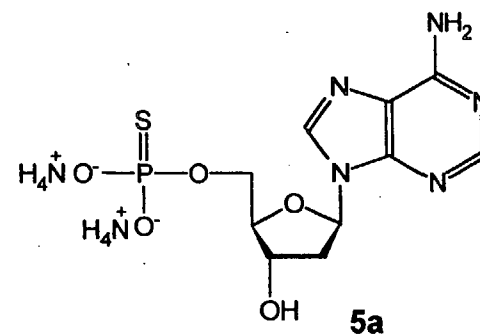


STANDARD 1H OBSERVE 45.A.5

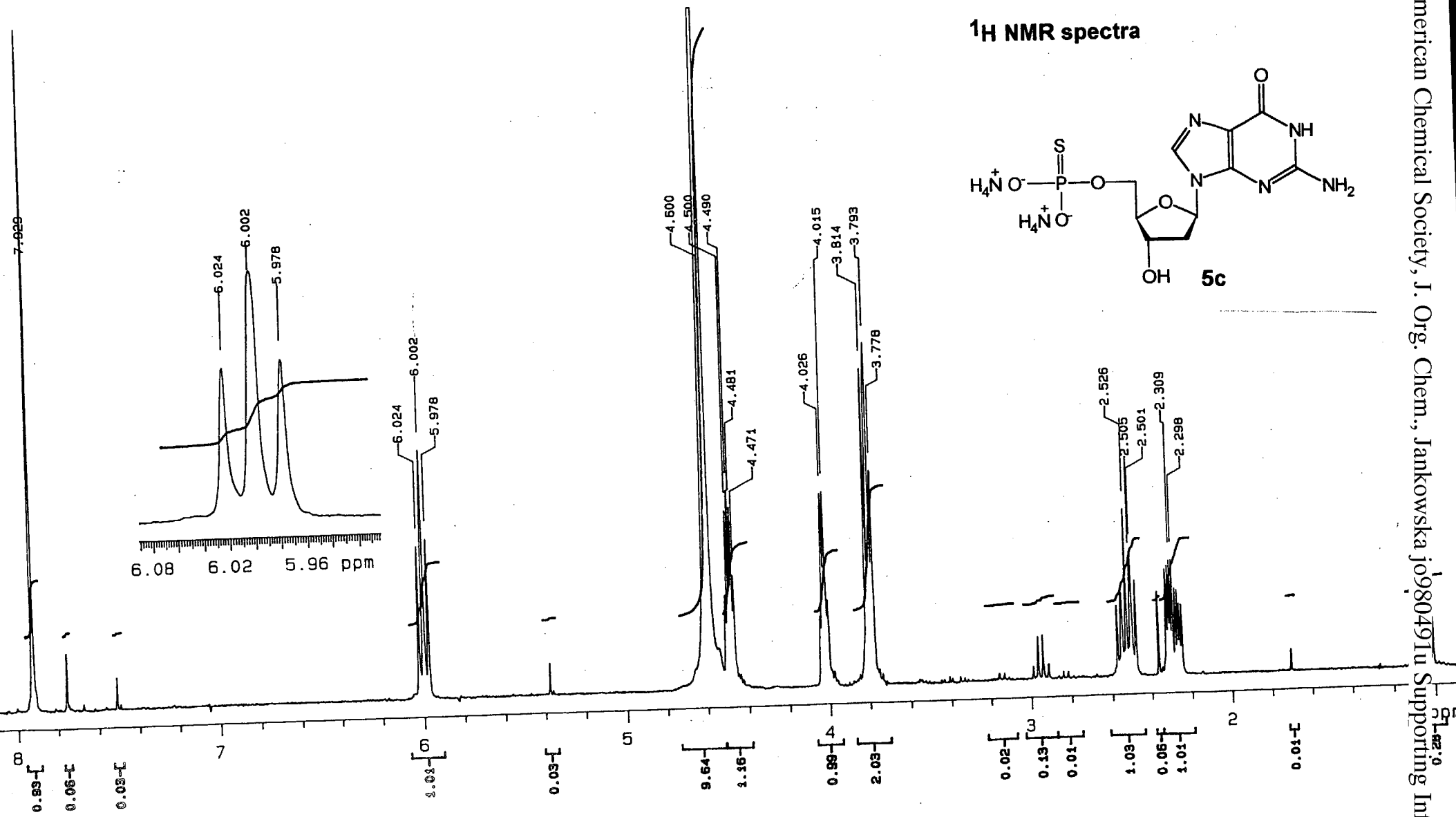
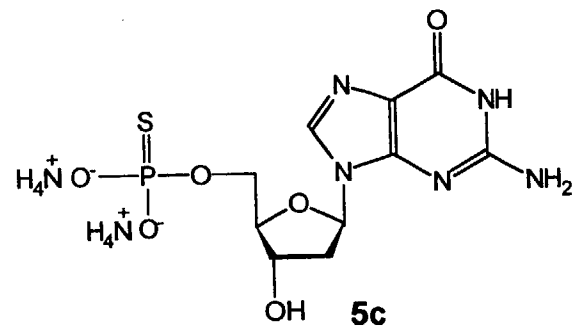
OBSERVE H1

Frequency 299.949 MHz
Spectral width 4000.0 Hz
Acquisition time 3.744 sec
Relaxation delay 0.000 sec
Pulse width 90.0 degrees
Ambient temperature
No. repetitions 928
Double precision acquisition
DATA PROCESSING
FT size 32768
Total acquisition time 57 minutes

¹H NMR spectra

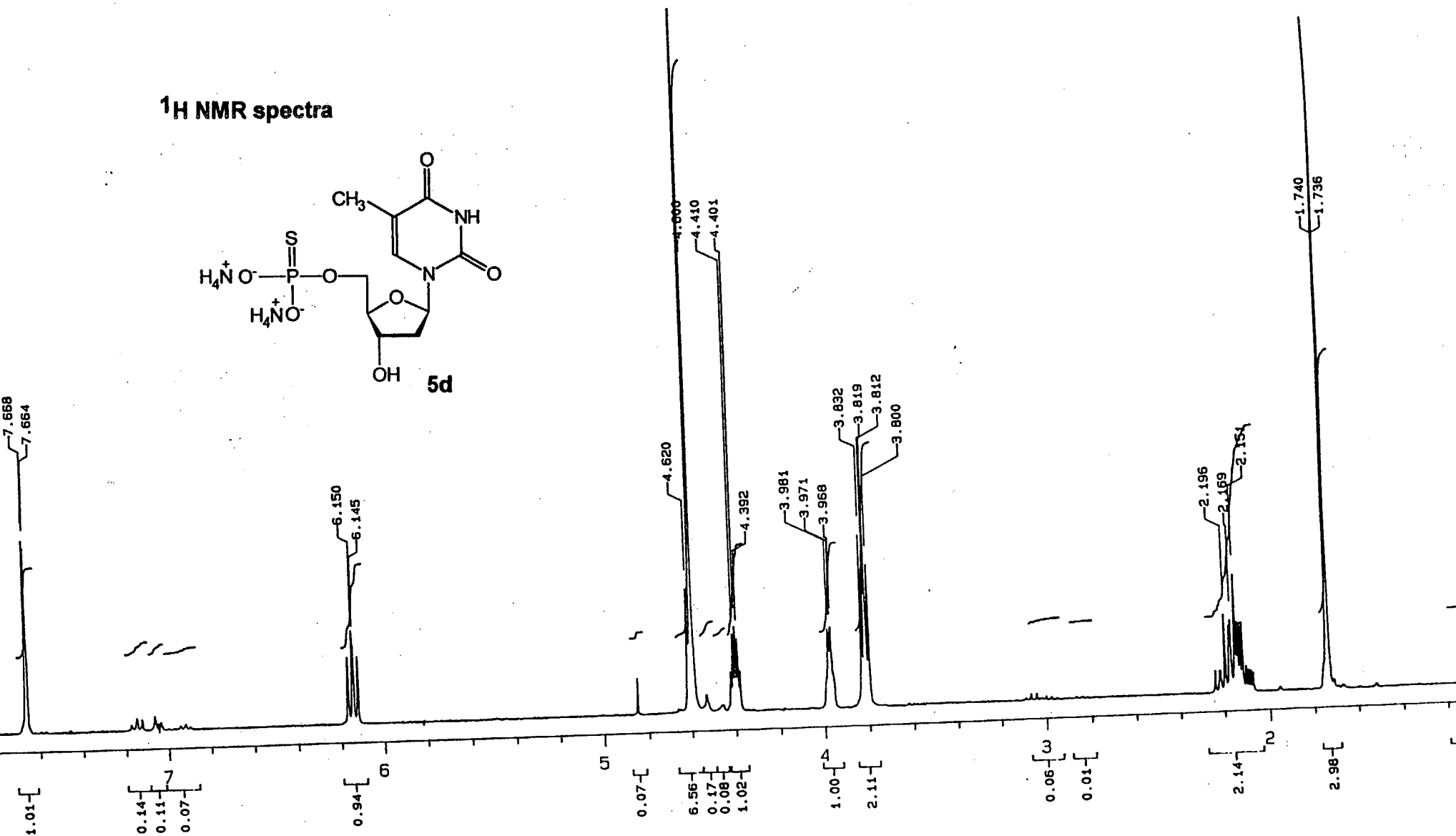
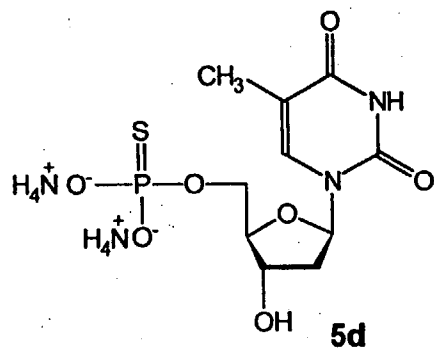


¹H NMR spectra



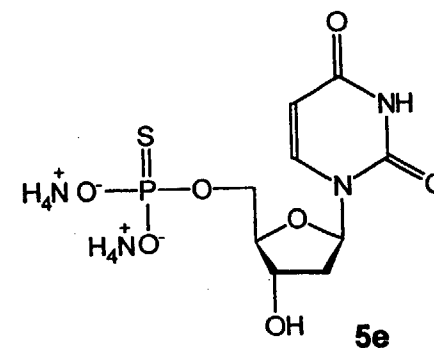
H1	299.9486	H1	0	not used		s2pul	5
4000.0	500.3	nnn	not used	not used	not used		AS_8_4_1H
3.744	0		200	2180.8	252.0	not used	
20.0	144		30			D20	

¹H NMR spectra



H1	299.9486	H1	0	not used	not used	not used	not used	not used	not used	not used	not used
4000.0	500.3	nnn	not used	2068.7	292.3	not used	not used	not used	not used	not used	not used
3.744	0	c	200								
20.0	880		30								

AS_T_S_3H

¹H NMR spectra

INDEX	FREQUENCY	PPM	HEIGHT
1	2365.707	7.884	1.7
2	2357.466	7.856	1.7
3	1831.960	6.105	0.7
4	1825.093	6.082	1.5
5	1818.225	6.059	0.8
6	1714.937	5.715	1.6
7	1708.896	5.688	1.6
8	1380.824	4.601	10.1
9	1307.279	4.356	1.1
10	1304.257	4.346	1.1
11	1186.884	3.955	1.1
12	1183.937	3.945	1.2
13	1131.744	3.772	1.9
14	1128.897	3.762	1.9
15	1122.679	3.741	0.6
16	1116.835	3.721	0.3
17	774.356	2.581	0.2
18	646.345	2.154	1.5
19	641.400	2.137	1.9
20	639.752	2.132	1.9
21	634.807	2.115	1.5
22	502.950	1.676	0.3

00050

exp1: 51010

SAMPLE DEC. & VI

date Apr 21 98 dfrq 300.076

solvent D2O dn H1

file exp opwr 30

ACQUISITION dnt 0

sfrq 300.076 dm nnn

fn H1 dnm c

at 1.001 dnt 200

op 27008 PROCESSING

sw 4500 wfile H

rb 2500 proc H

ds 4 fn not used

tpwr 55

pw 8.0 werr

d1 0 wexp

tof 0 wds

nt 16 wnt

et 16

alock n

gain not used

FLAGS

fl n

fn n

dp y

DISPLAY

sp 87.9

wp 2822.6

vs 293

sc 0

wc 380

azmm 7.43

is 57473.77

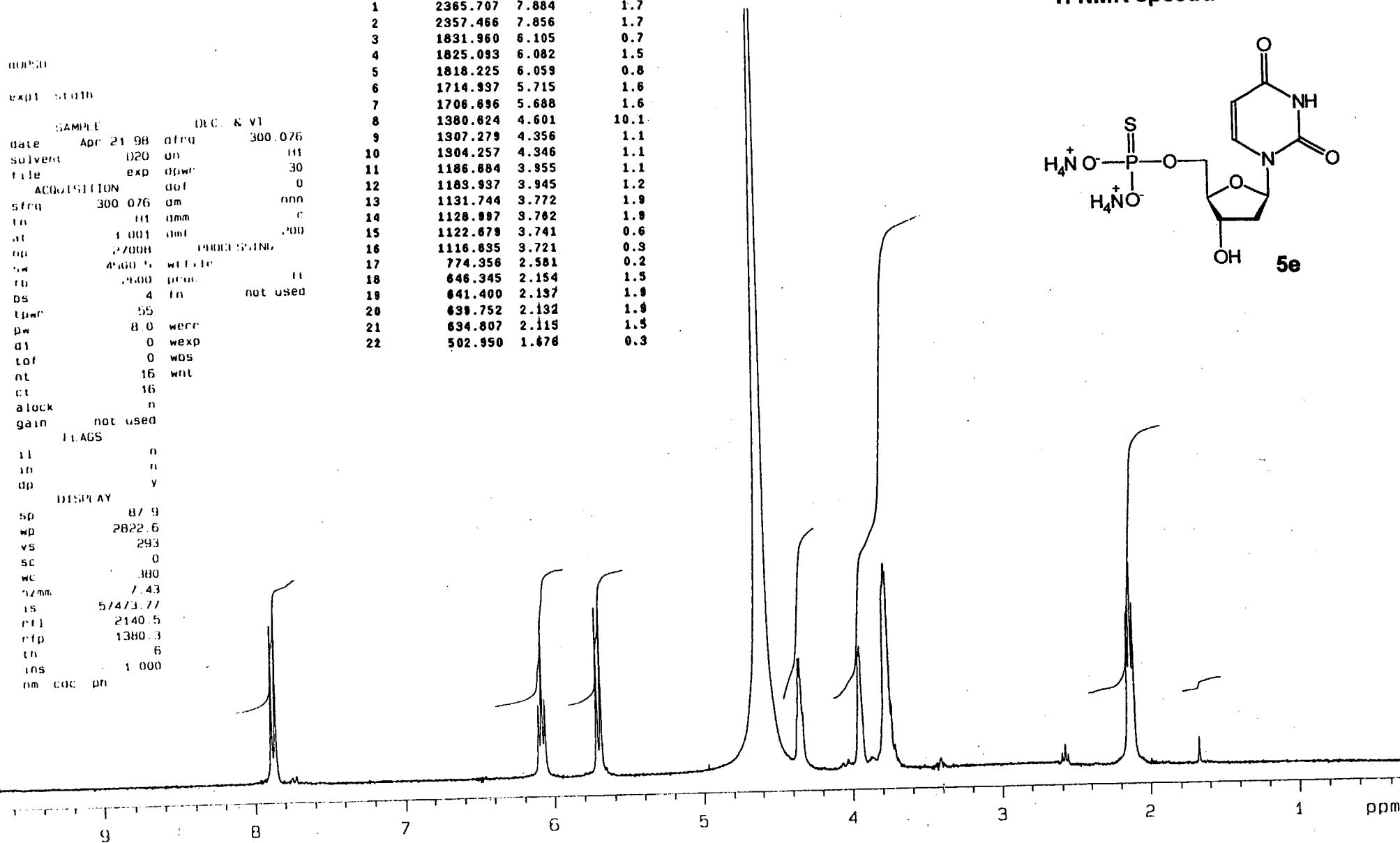
rt1 2140.5

rt2 1380.3

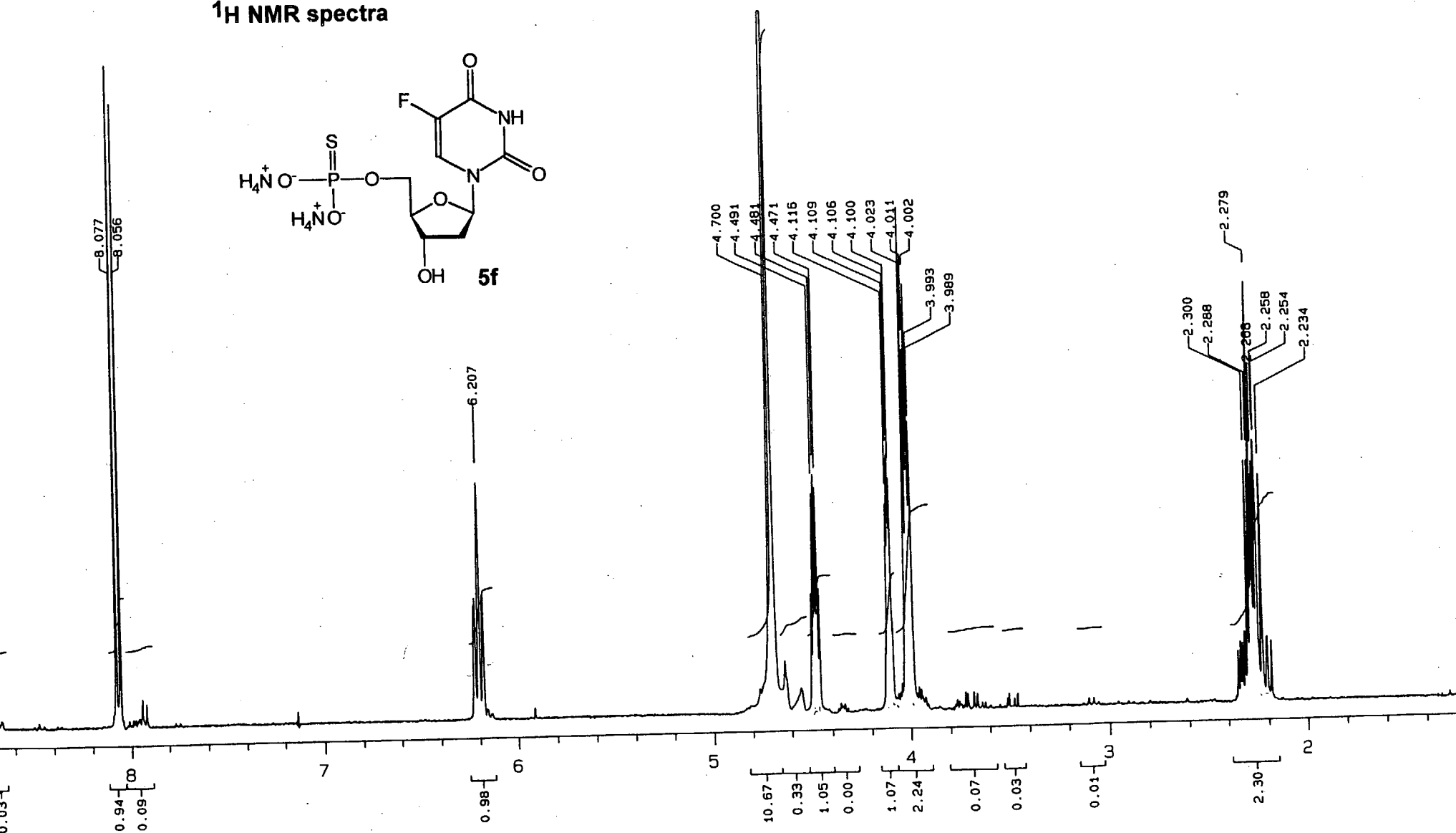
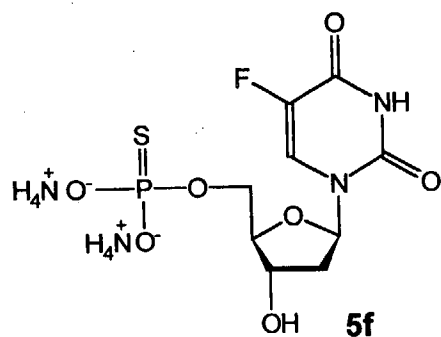
tn 6

ins 1.000

nm coc ph



¹H NMR spectra



H1 299.9486
4000.0 500.3
3.744 0
20.0 208

H1 0
nnn not used
c 200
--- 30

not used
not used not used
2343.7

309.3

s2pul
not used
020

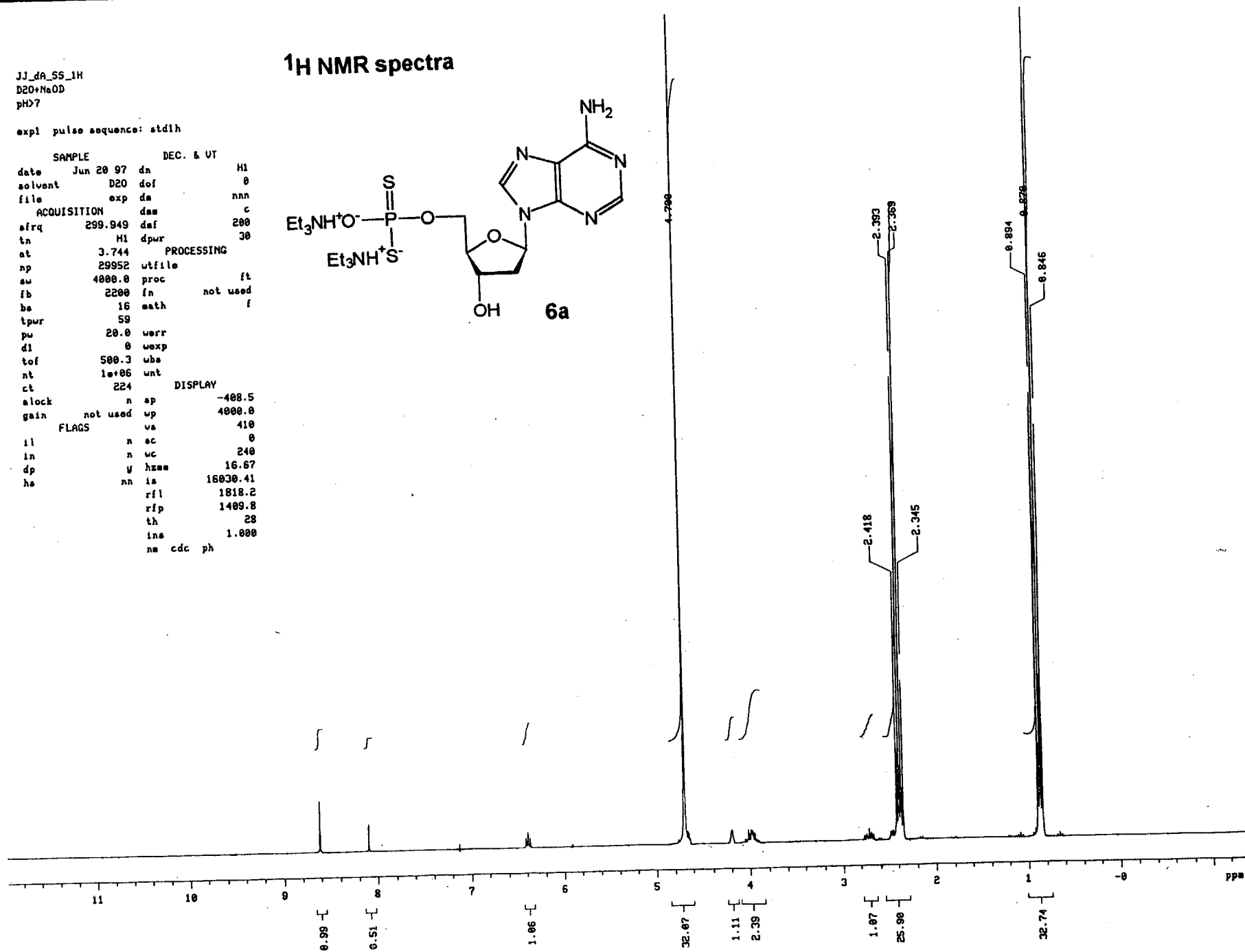
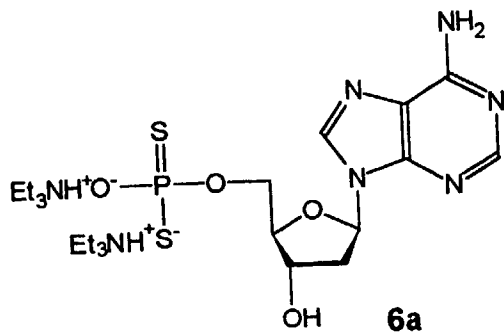
AK_PS_Fdu/S/D20_1H

JJ_da_55_1H
D2O+NaOD
pH 7

expl pulse sequence: std1h

SAMPLE		DEC. & UT	
date	Jun 20 97	dn	H1
solvent	D2O	dof	0
file	exp	da	nnn
ACQUISITION		das	c
airq	299.949	daf	200
tn	H1	dpur	30
at	3.744	PROCESSING	
np	29952	utfile	
aw	4000.0	proc	ft
fb	2200	fn	not used
ba	16	math	f
tpur	59		
pu	20.0	werr	
dl	0	wexp	
tof	500.3	uba	
nt	1e+06	unt	
ct	224	DISPLAY	
alock	n	ap	-408.5
gain	not used	up	4000.0
FLAGS		va	410
il	n	ac	0
in	n	uc	240
dp	y	hzmm	16.67
hs	nn	is	16030.41
		rfl	1818.2
		rtp	1409.8
		th	28
		ins	1.000
		na	cdc ph

¹H NMR spectra

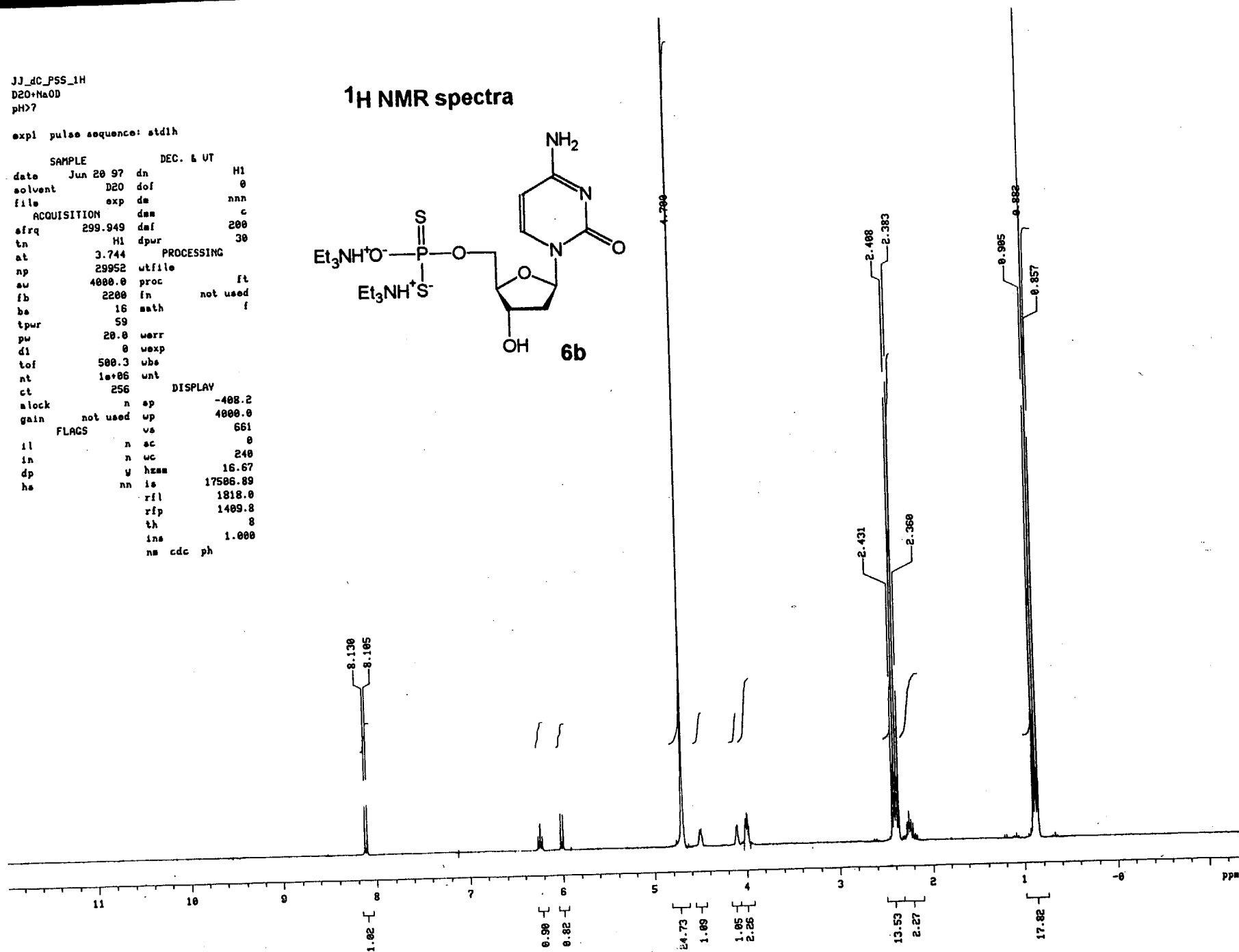
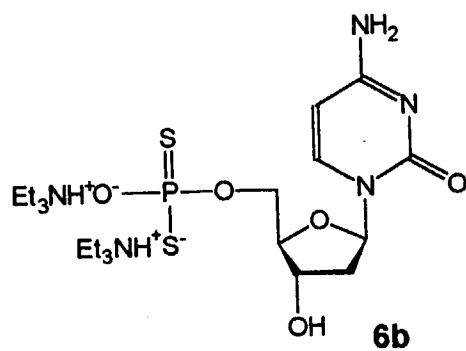


JJ_dG_P55_1H
D2O+NaOD
pH>7

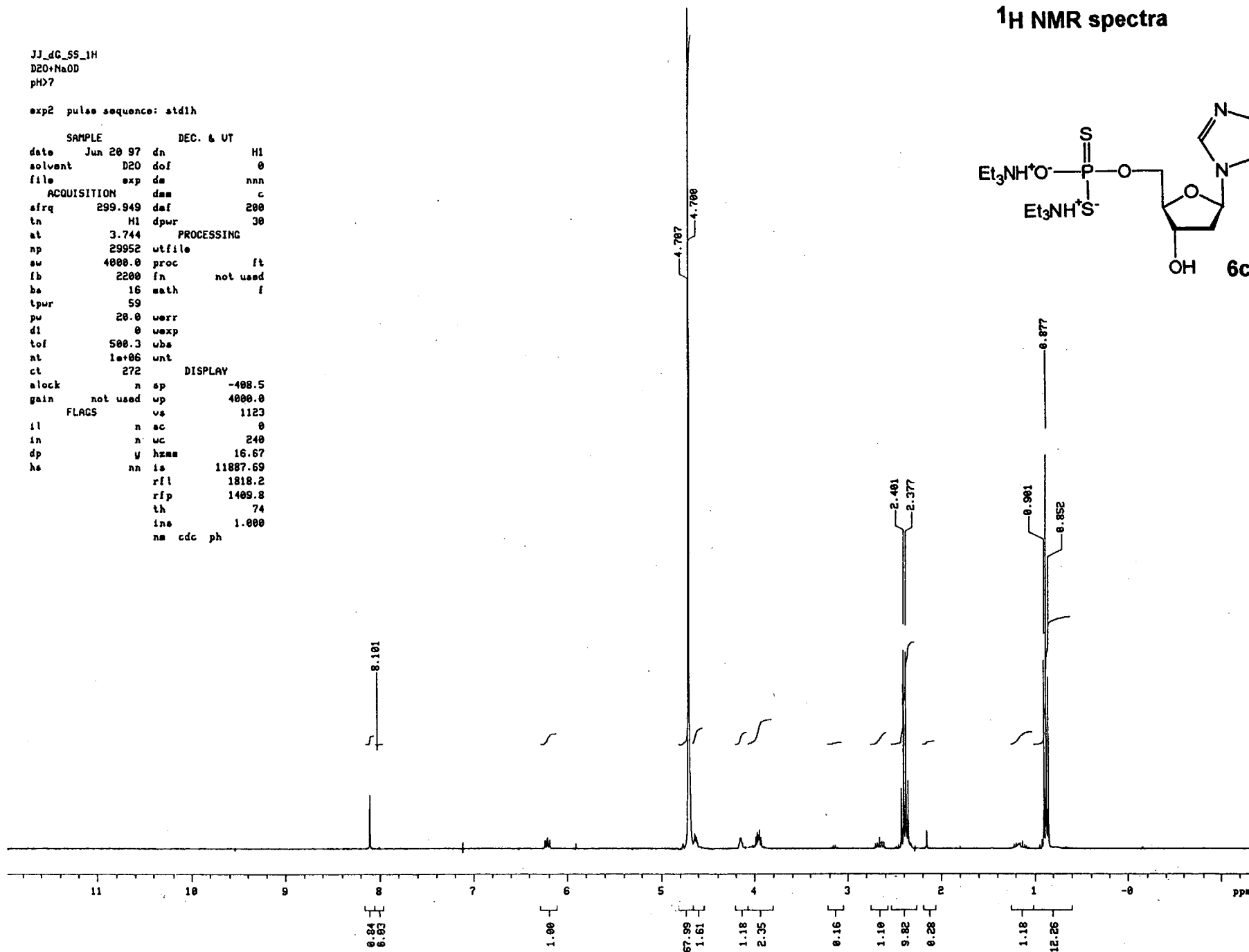
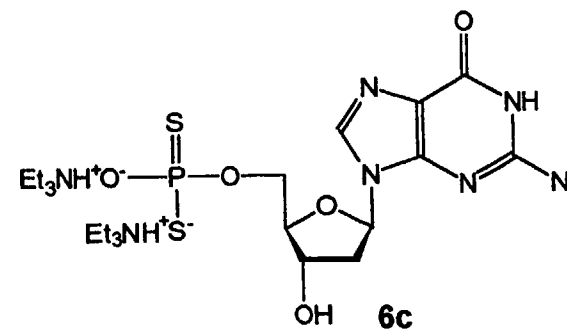
expl pulse sequence: stdih

SAMPLE		DEC. & UT	
date	Jun 20 97	dn	H1
solvent	D2O	dof	0
file	exp	dm	nnn
ACQUISITION		dam	c
sfrq	299.949	daf	200
tn	H1	dpur	30
at	3.744	PROCESSING	
np	29952	utfile	
au	4000.0	proc	ft
fb	2200	in	not used
ba	16	math	f
tpur	59		
pu	20.0	werr	
dl	0	wexp	
tof	500.3	ubs	
nt	1e+06	unt	
ct	256	DISPLAY	
alock	n	ap	-408.2
gain	not used	up	4000.0
FLACS		va	661
il	n	ac	0
in	n	uc	240
dp	y	hzam	16.67
hs	nn	is	17506.89
		rfl	1818.0
		rfp	1409.8
		th	8
		ins	1.000
		nm cdc ph	

¹H NMR spectra



¹H NMR spectra



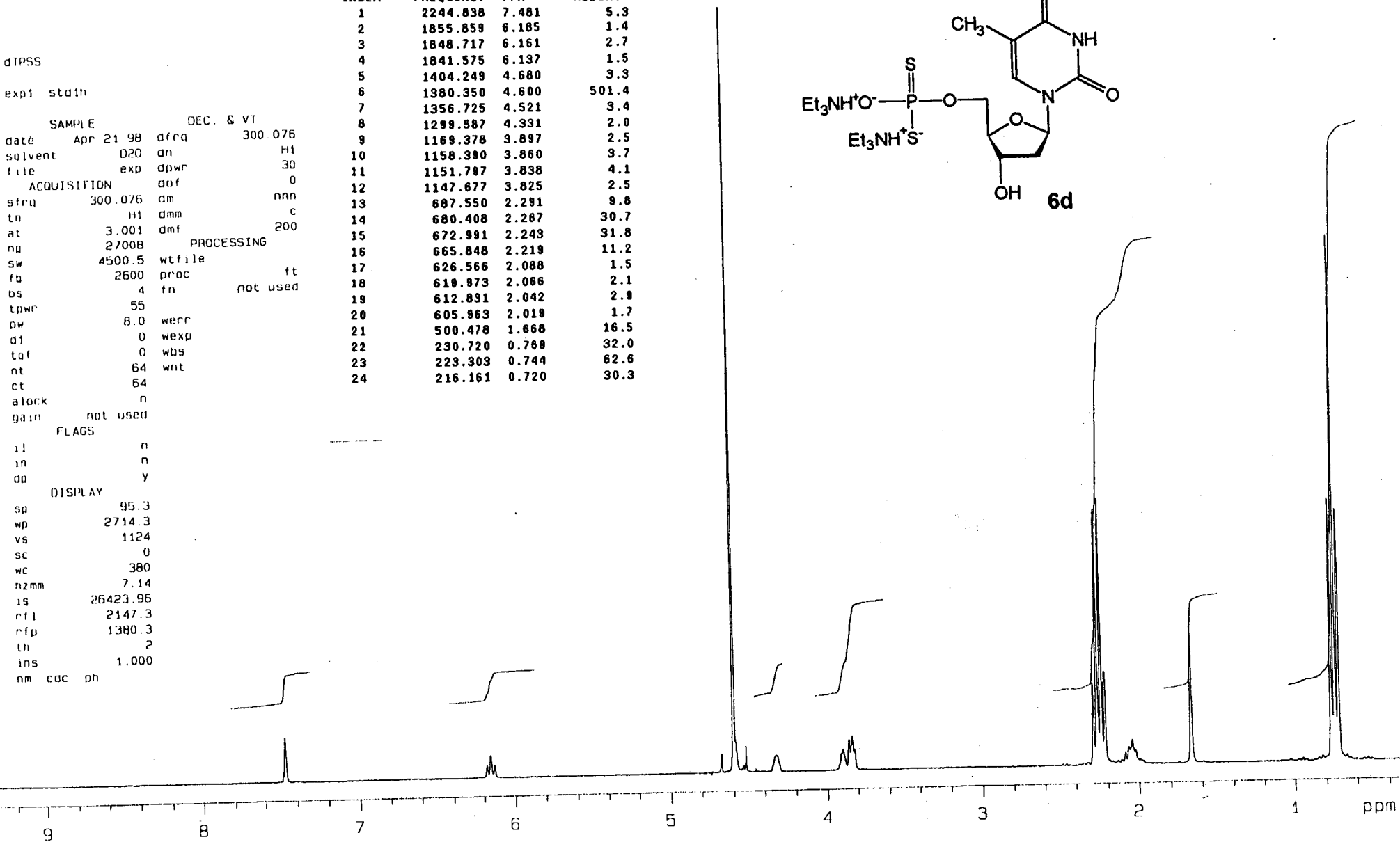
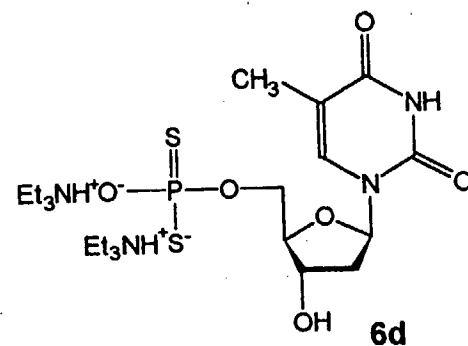
¹H NMR spectra

dTPSS

exp1 stdin

SAMPLE DEC. & VI
 date Apr 21 98 afra 300 076
 solvent D2O an H1
 file exp apwr 30
 ACQUISITION dof 0
 sfrq 300.076 am nnn
 tn H1 dmm c
 at 3.001 dmf 200
 ng 27008
 sw 4500.5 wtfile
 fb 2600 proc ft
 bs 4 fn not used
 tpwr 55
 pw 8.0 werr
 d1 0 wexp
 taf 0 wbs
 nt 64 wnt
 ct 64
 alock n
 gain not used
 FLAGS
 il n
 in n
 up y
 DISPLAY
 sp 95.3
 wp 2714.3
 vs 1124
 sc 0
 wc 380
 nzmm 7.14
 is 26423.96
 rfl 2147.3
 rfp 1380.3
 th 2
 ins 1.000
 nm cdc ph

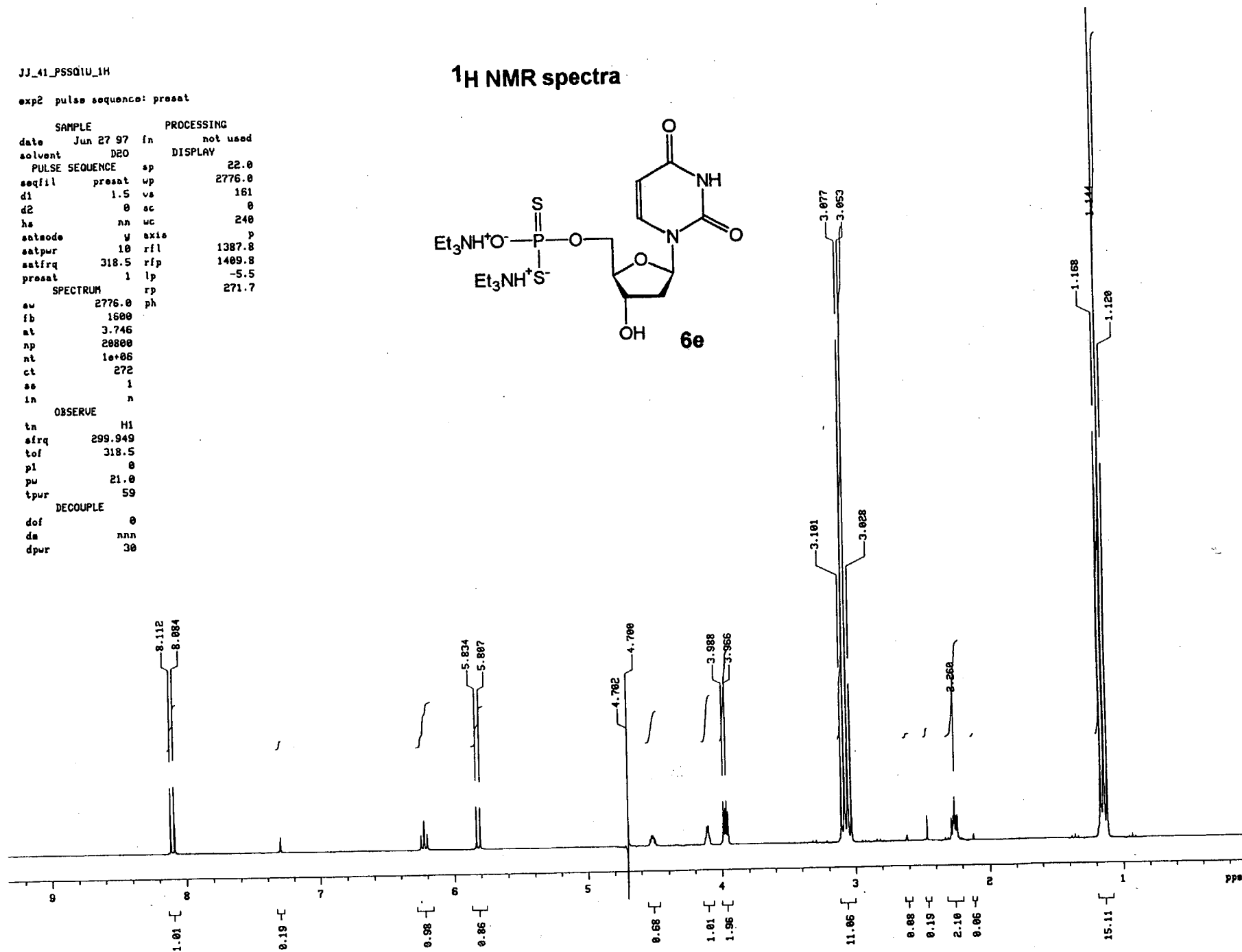
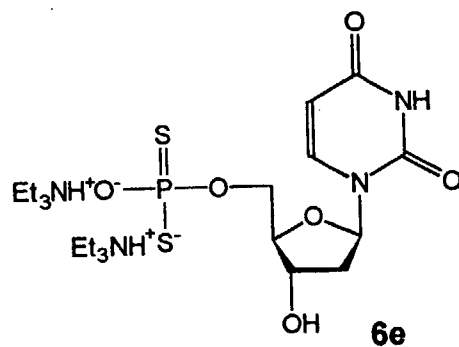
INDEX	FREQUENCY	PPM	HEIGHT
1	2244.838	7.481	5.9
2	1855.859	6.185	1.4
3	1848.717	6.161	2.7
4	1841.575	6.137	1.5
5	1404.249	4.680	3.3
6	1380.350	4.600	501.4
7	1356.725	4.521	3.4
8	1299.587	4.331	2.0
9	1169.378	3.897	2.5
10	1158.380	3.860	3.7
11	1151.787	3.838	4.1
12	1147.677	3.825	2.5
13	687.550	2.281	9.8
14	680.408	2.287	30.7
15	672.991	2.243	31.8
16	665.848	2.219	11.2
17	626.566	2.088	1.5
18	618.873	2.086	2.1
19	612.831	2.042	2.8
20	605.863	2.018	1.7
21	500.478	1.668	16.5
22	230.720	0.788	32.0
23	223.303	0.744	62.6
24	216.161	0.720	30.3



JJ_41_PSSQIU_1H

exp2 pulse sequence: presat

SAMPLE		PROCESSING	
date	Jun 27 97	in	not used
solvent	D2O	DISPLAY	
PULSE SEQUENCE		sp	22.0
seqfil	presat	up	2776.0
d1	1.5	vs	161
d2	0	sc	0
ha	nn	uc	240
satmode	y	axis	p
satpur	10	rfl	1387.8
satfrq	318.5	rip	1409.8
presat	1	lp	-5.5
SPECTRUM		rp	271.7
su	2776.0	ph	
fb	1600		
at	3.746		
np	20800		
nt	1e+06		
ct	272		
ss	1		
in	n		
OBSERVE			
tn	H1		
afreq	299.949		
tof	318.5		
pl	0		
pu	21.0		
tpur	59		
DECOUPLE			
dof	0		
ds	nnn		
dpur	30		

¹H NMR spectra

JJ_31_fluor_duF_1H
Thu Jun 5 18:53:18 MET DST 1997

¹H NMR spectra

