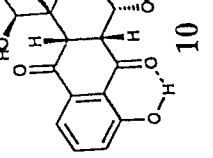


3-NOR CYCLOADDUCT EPOXIDE

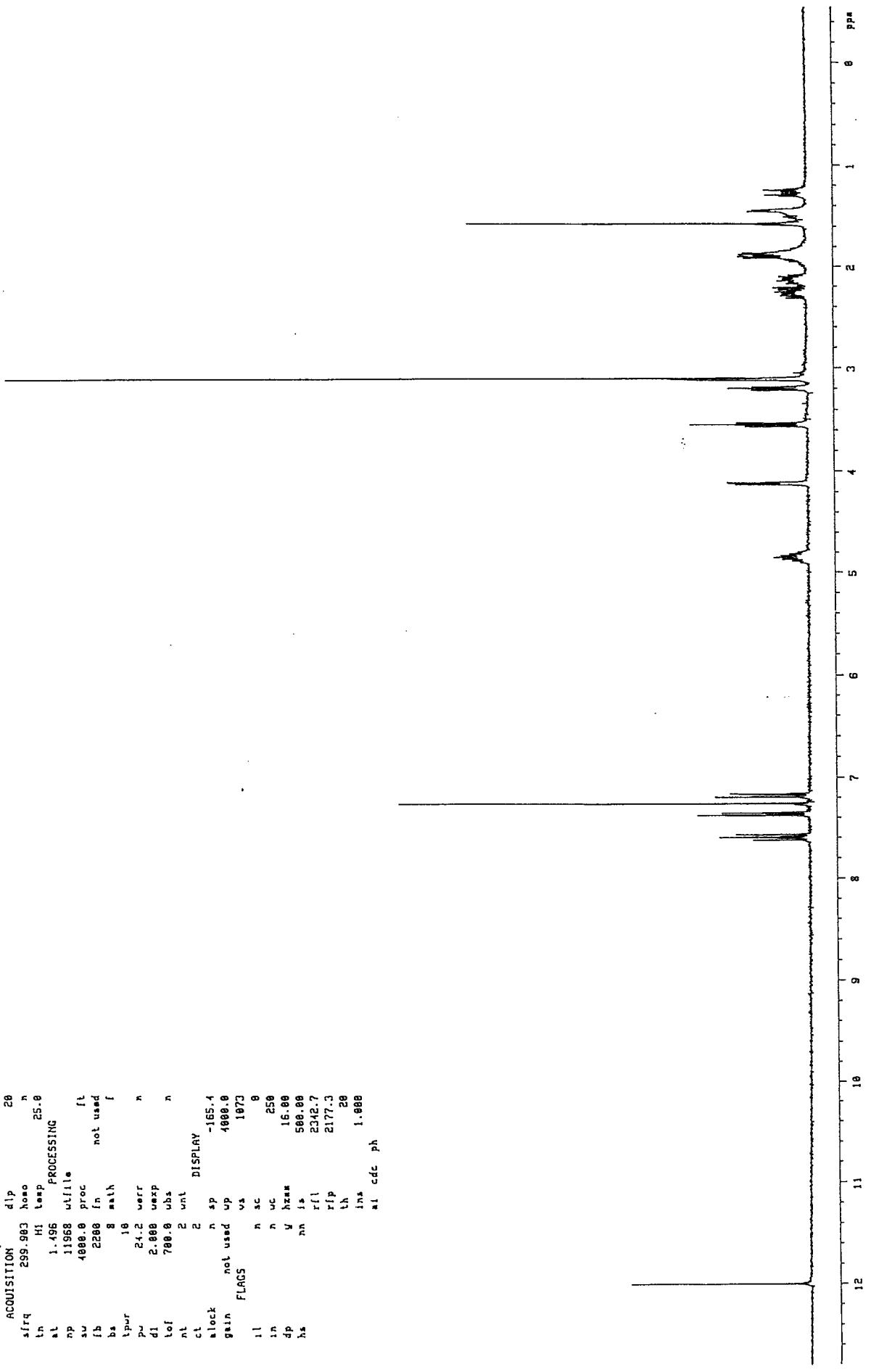
expl pulse sequence: stldih

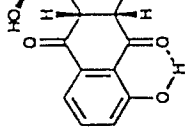
```

SAMPLE      DEC. & UT
date        3-89-93  dn      HI
solvent     cdcl3  dof      350.1
file        /usr2/vnm~ da     nnn
ruser       /vnmrsgs/data~ da  c
           /NOS/epoxh  daf    200
           /NOS/epoxh  daf    200
ACQUISITION dlp      20
sfrq       299.983  hoso  n
tn         1.496    HI  keep  25.0
at         11968  utfile
su         4000.0  proc   ft
fb         2280  fn     not used
bs         8      math   f
tprf      18
pu        24.2  werr   n
di        2.000  wexp
lof       700.0  obs   n
nt        2     2  unt
ct        2     2  DISPLAY
slock    n  sp      -165.1
gain     not used  up   4000.0
           vs       1073
FLAGS
il      n  ac      0
in      n  uc      250
dp      y  hzmm    16.00
hs      nn  is     500.00
           rfl    2342.7
           rfp    2177.3
           th     20
           ins   1.000
           al  cdc  ph
    
```

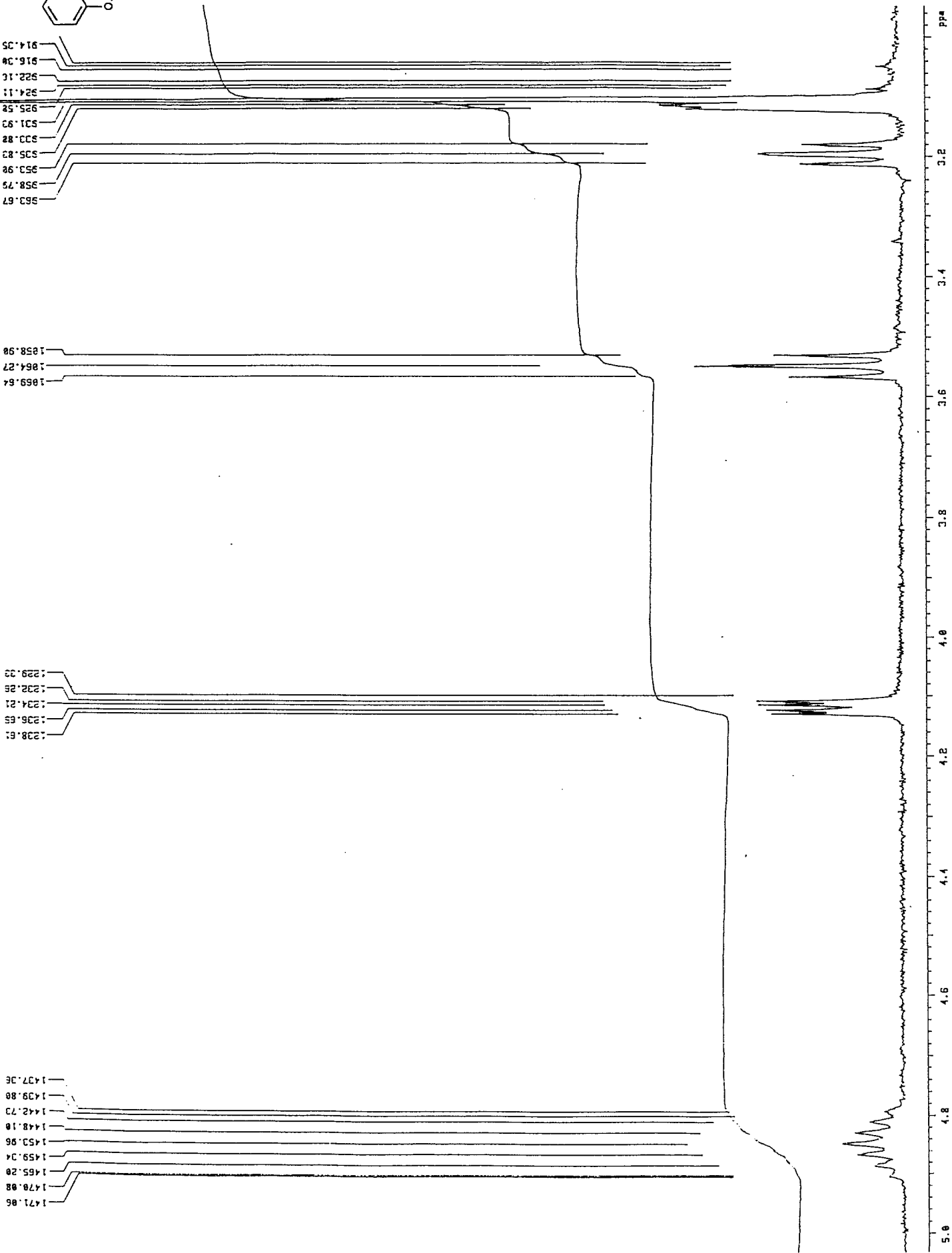


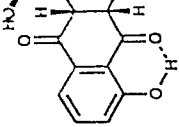
10



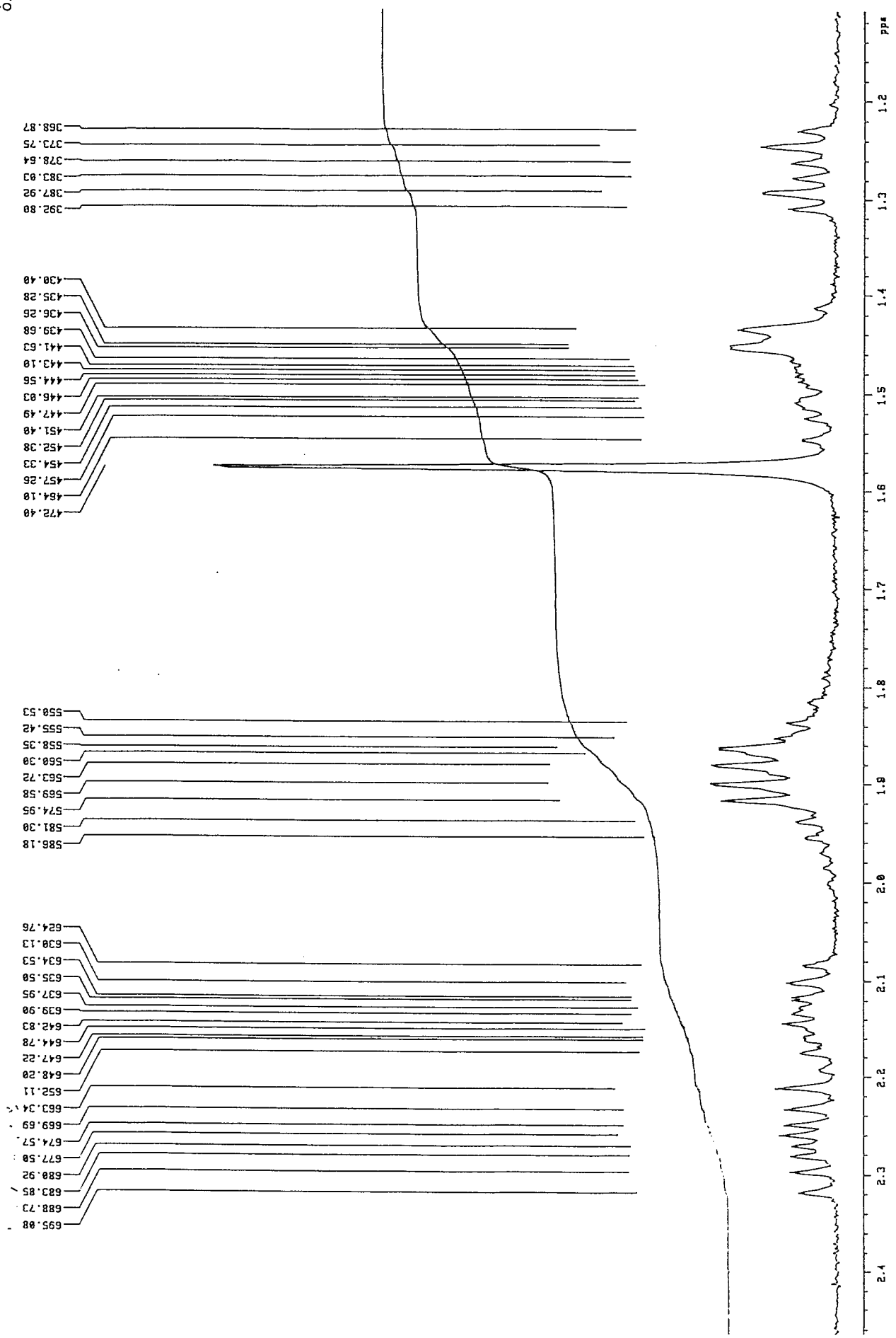


10





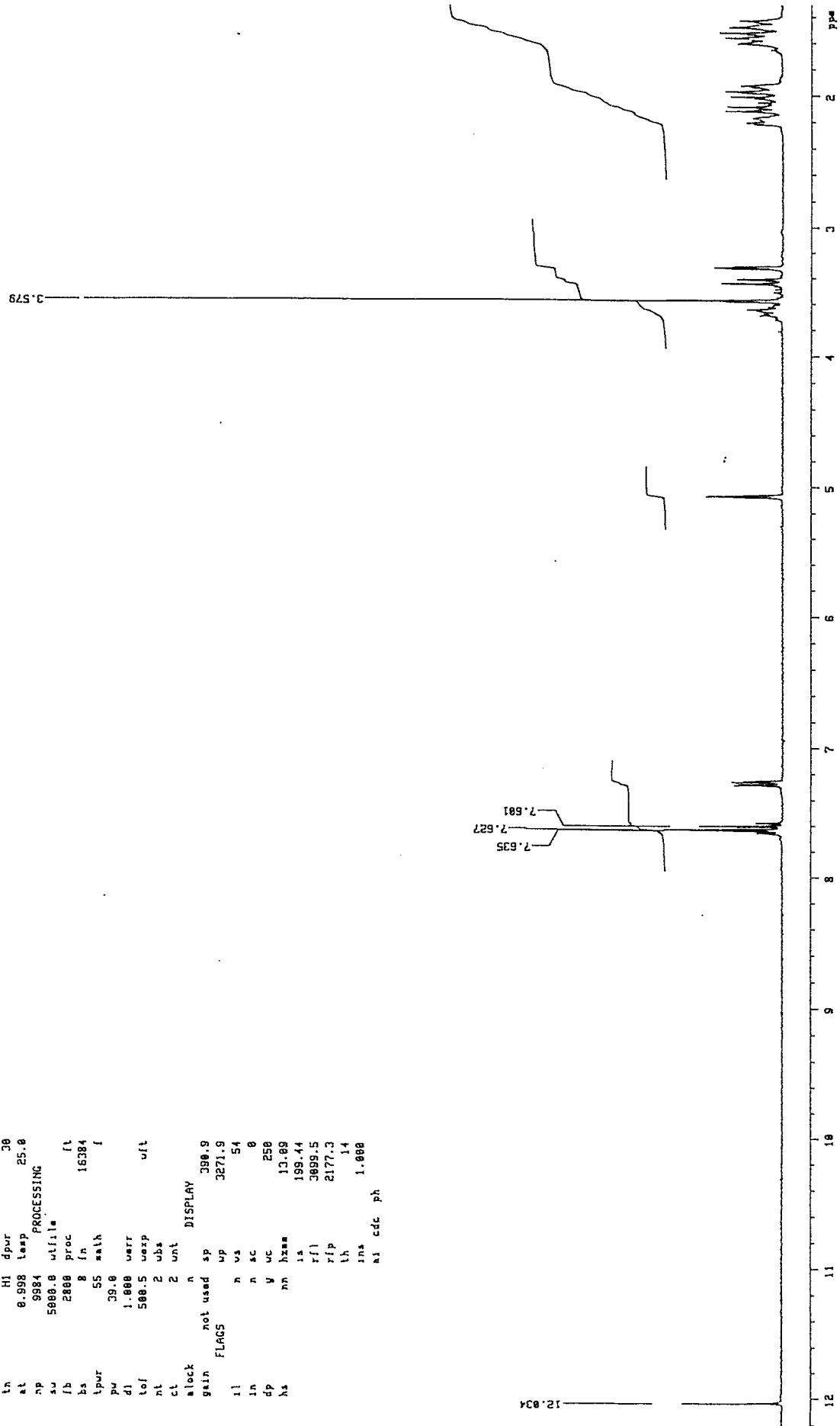
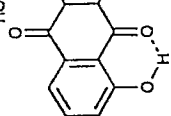
10

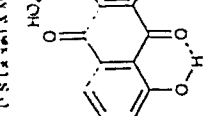


```

expl pulse sequence: std1h
SAMPLE DEC. & UT
date Sep 11 95 dn HI
solvent CDCl3 dof 0
file exp dm nnn
ACQUISITION dnm c
sfrq 299.989 daf 200
tn HI dpur 30
at 0.998 Leap 25.0
pp 9984
au 5000.0 utfile PROCESSING
fb 2800 proc fl
bs 8 fn 16384
tpur 55 math f
pw 39.0
dl 1.000 verr
tof 500.5 uexp vft
nt 2
ct 2 unt
alock n DISPLAY 390.9
gain not used up 3271.9
FLAGS up n vs 54
il n ac 0
in n sc 250
dp v wc
hs nn hznm 13.09
ia 199.44
rfi 3099.5
rfp 2177.3
lh 14
ins 1.000
al cdc ph

```



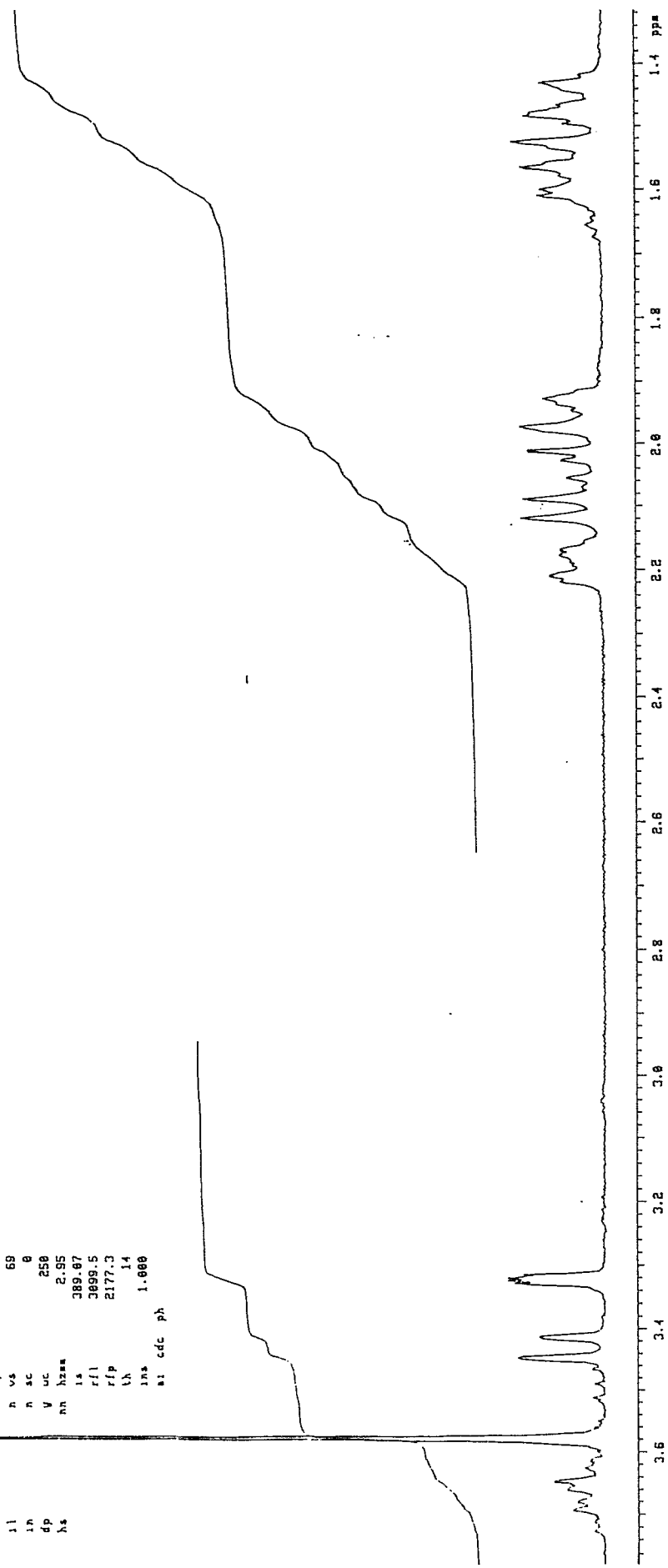


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Oxirane Epoxide

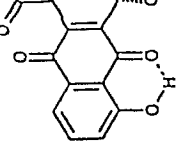
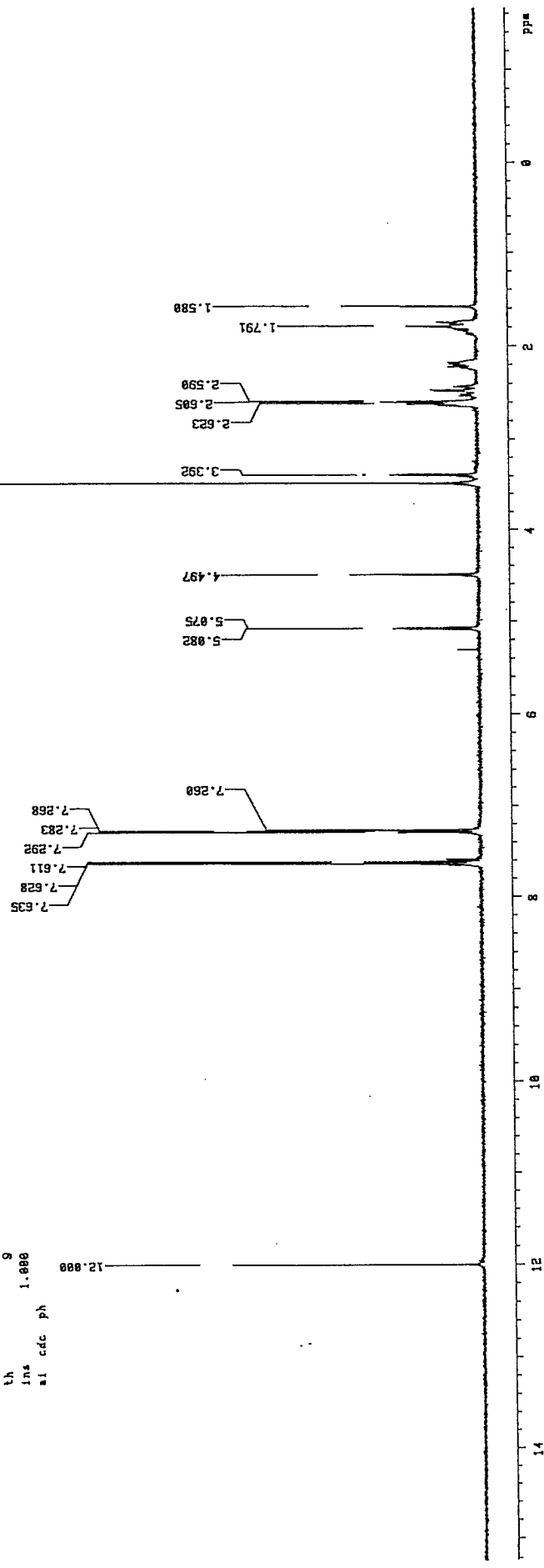
expl pulse sequence: atdih

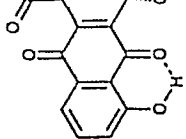
SAMPLE DEC. & UT  
 date Sep 11 95 dn HI  
 solvent CDCl3 dof 0  
 file exp da nnn  
 ACQUISITION  
 sfrq 259.969 dmz 200 C  
 ln HI dpwr 30  
 at 9.998 temp 25.0  
 np 9984 PROCESSING  
 sv 5000.0 vfile  
 fb 2800 proc fl  
 ba 8 fn 16384 f  
 tpur 55 math  
 pu 30.0  
 di 1.000 warr  
 tof 500.5 wexp vft  
 nt 2 obs  
 ct 2 unl  
 alock h DISPLAY  
 gain not used sp 394.6  
 FLACS up 738.0  
 il n vs 69  
 in n ac 0  
 dp v uc 250  
 hs nn hzma 2.55  
 is 389.87  
 rfi 3895.5  
 rfp 2177.3  
 lh 14  
 ins 1.000  
 at cdc ph



exp4 pulse sequence: stdih

SAMPLE DEC. & UT  
 date Sep 18 95 dn HI  
 solvent CDCl3 dof 0  
 file /usr2/mr~ dm mnn  
 user/mrdata/MOS2/~ dm c  
 KetoEpoxide-H dmf 200  
 ACQUISITION dpur 30  
 sfrq 299.910 temp 25.0  
 tn HI PROCESSING  
 at 1.498 utfile ft  
 np 15168 proc 32768  
 av 5063.3 fn  
 fb 2800 math f  
 bs 8  
 tpur 55 uerr  
 pv 10.0 wexp wit  
 dl 1.000 obs  
 tof 955.2 unt  
 nt 4 DISPLAY  
 ct 4 sp -497.3  
 a lock n up 5063.3  
 gain not used vs 52  
 FLAG ac 0  
 ll n wc 250  
 in n hznm 20.25  
 dp W ls 1911.78  
 hs mh rfl 2086.9  
 th rfp 1589.5  
 ins 1.000  
 ai cdc ph





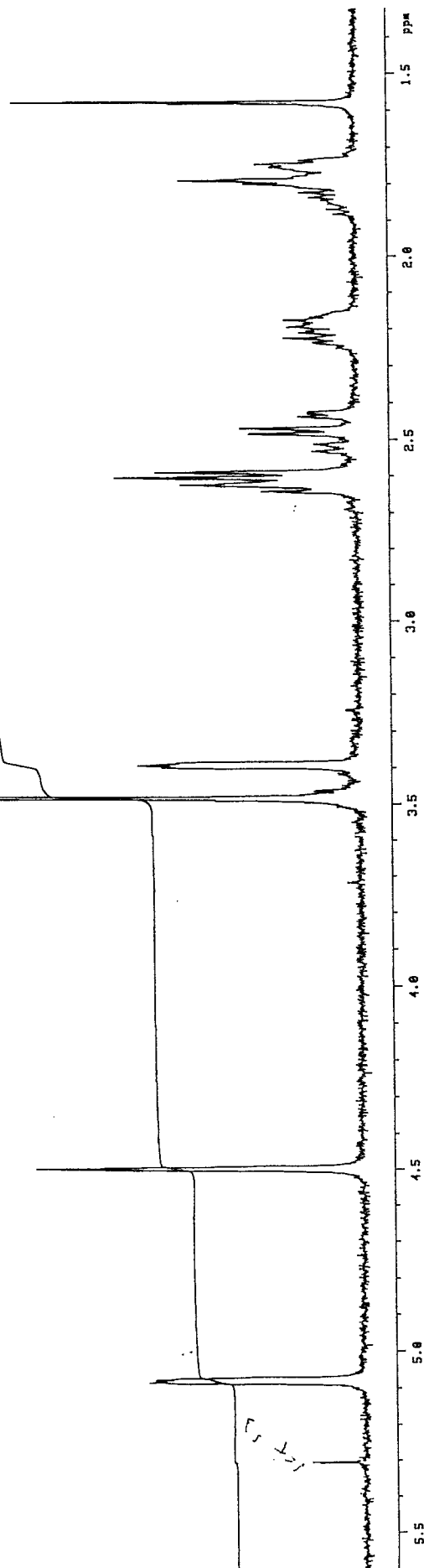
12

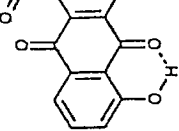
KetoEpoxide (referenced at 5.3ppm)

exp4 pulse sequence: std1h

```

SAMPLE          DEC. & UT
date   Sep 18 95   dn   H1
solvent CDC13   dof   0
file   /usr2/nmr~   ds   nnn
user/nmrdata/HOSE2~   dms   c
KetoEpoxide-H   dmf   200
ACQUISITION     dpr   30
sfrq   299.918   temp  25.0
tn      HI
at      1.498   utfile
np      15168   proc   ft
su      5063.3   fn    32768
fb      2800    math   f
bs      8
tpr     55      werr
pv      10.0    wexp
dl      1.000   wbs
tof     955.2   wnt
nt      4
ct      4      ep     396.1
alock   n      wp     1282.9
gain    net used vs 131
FLACS   ac
il      n      uc     250
in      n      hzam   5.13
dp      y      fs     299.60
hs      nn     rfl     2086.9
                    rfp     1589.5
                    th     9
                    ims     1.000
                    at     cdc ph
  
```





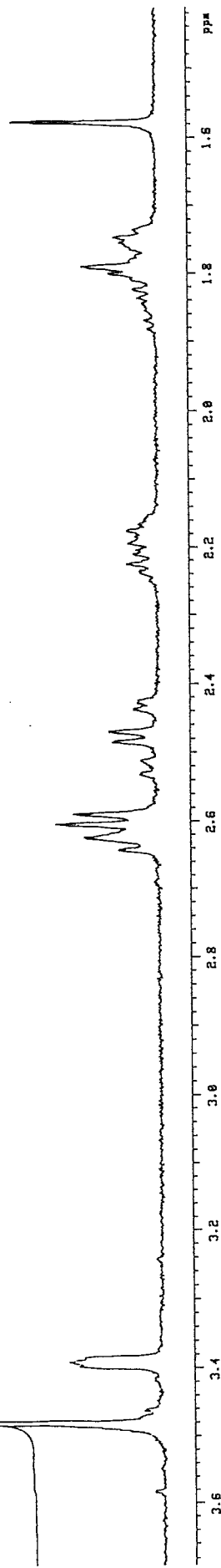
12

KatoEpoxide (referenced at 5.3ppm)

exp4 pulse sequence: stdlh

```

SAMPLE          DEC. & UT
date   Sep 18 95  dn      H1
solvent CDC13  dof      0
file   /usr2/nar/dm      nnn
user/nardata/H0527~ dm   c
KatoEpoxide-H  dm      200
ACQUISITION  H  dm      30
sfrq  299.910 temp  25.0
tn      H1
at      1.498 wfile
np      15168 proc
su      5000.3 fn      32768
fb      2800 math
bs      8
tpur   155 werr
pw     19.0 wexp
d1     1.000 wbs
tof    955.2 wnt
nt      4
ct      4 sp      423.7
alock  n wp      683.0
gain   not used vs  56
FLACS  sc      0
ll      n uc      250
fn      n hzmm   2.73
dp      y is
hs      nn rfi   2086.9
        th rip   1589.5
        ins      9
        ai cdc ph 1.000
  
```

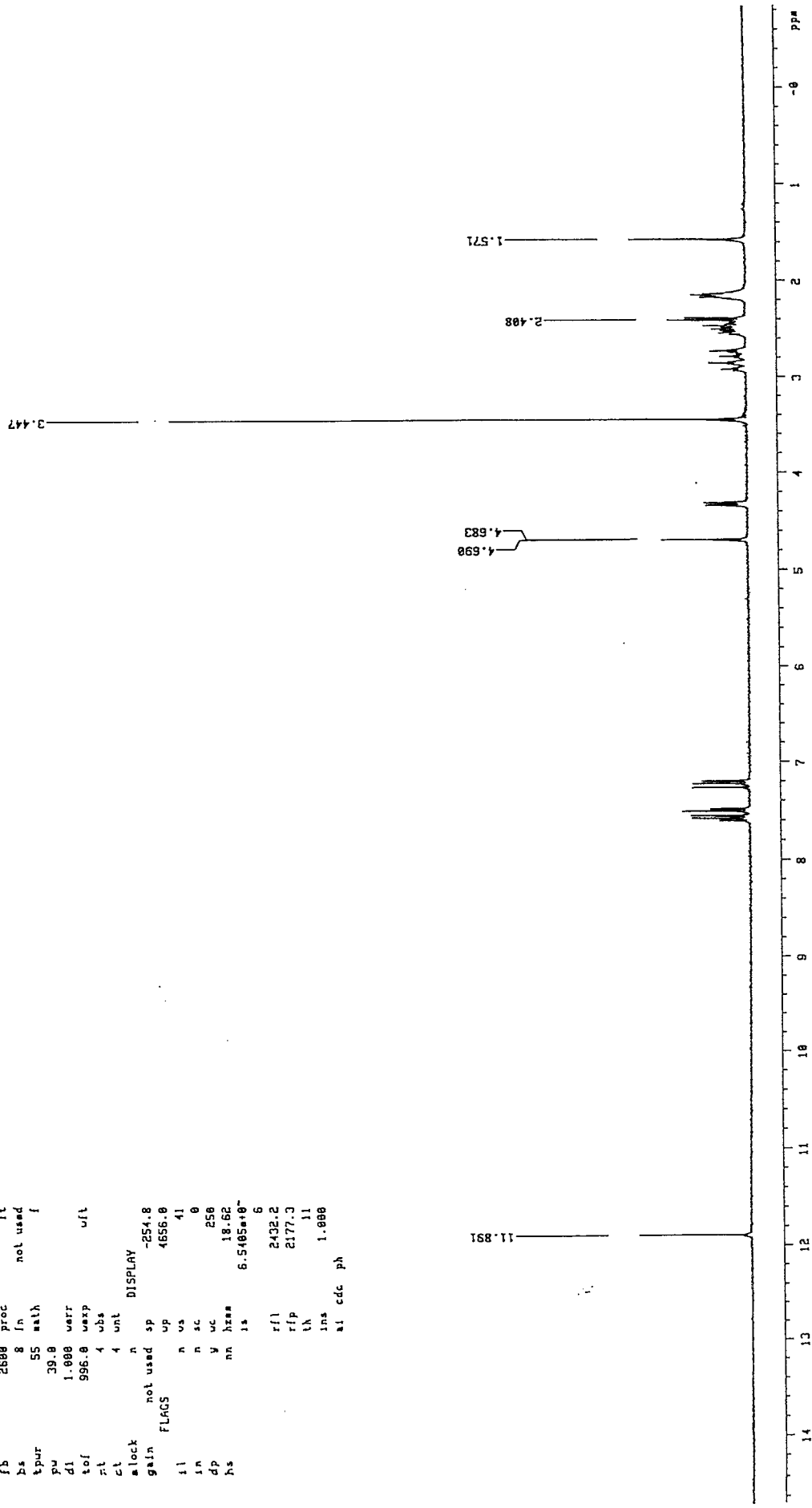
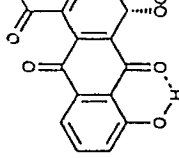




exp1 pulse sequence: std1h

SAMPLE DEC. & UT  
 date Sep 15 95 dn HI  
 solvent CDC13 dof 0  
 file exp da nnn  
 ACQUISITION  
 s/rq 299.910 daf 200  
 tn HI dpur 30  
 at 1.00J temp 25.0  
 sw 9344  
 sb 4656.0 ulfil  
 fb 2688 proc fl  
 bs 8 fn not used  
 tppur 55 math f  
 pu 39.8  
 dl 1.000 verr  
 tof 996.8 wexp wfl  
 rt 4 obs  
 ct 4 unt  
 a lock n DISPLAY  
 gain not used sp -254.8  
 FLACS up 4656.0  
 ll n va 41  
 in n sc 0  
 dp y uc 256  
 hs nn hzem 18.62  
 6.5105e+0~  
 rif 2432.2  
 rfp 2177.3  
 th 11  
 ins 1.000  
 ai cdc ph

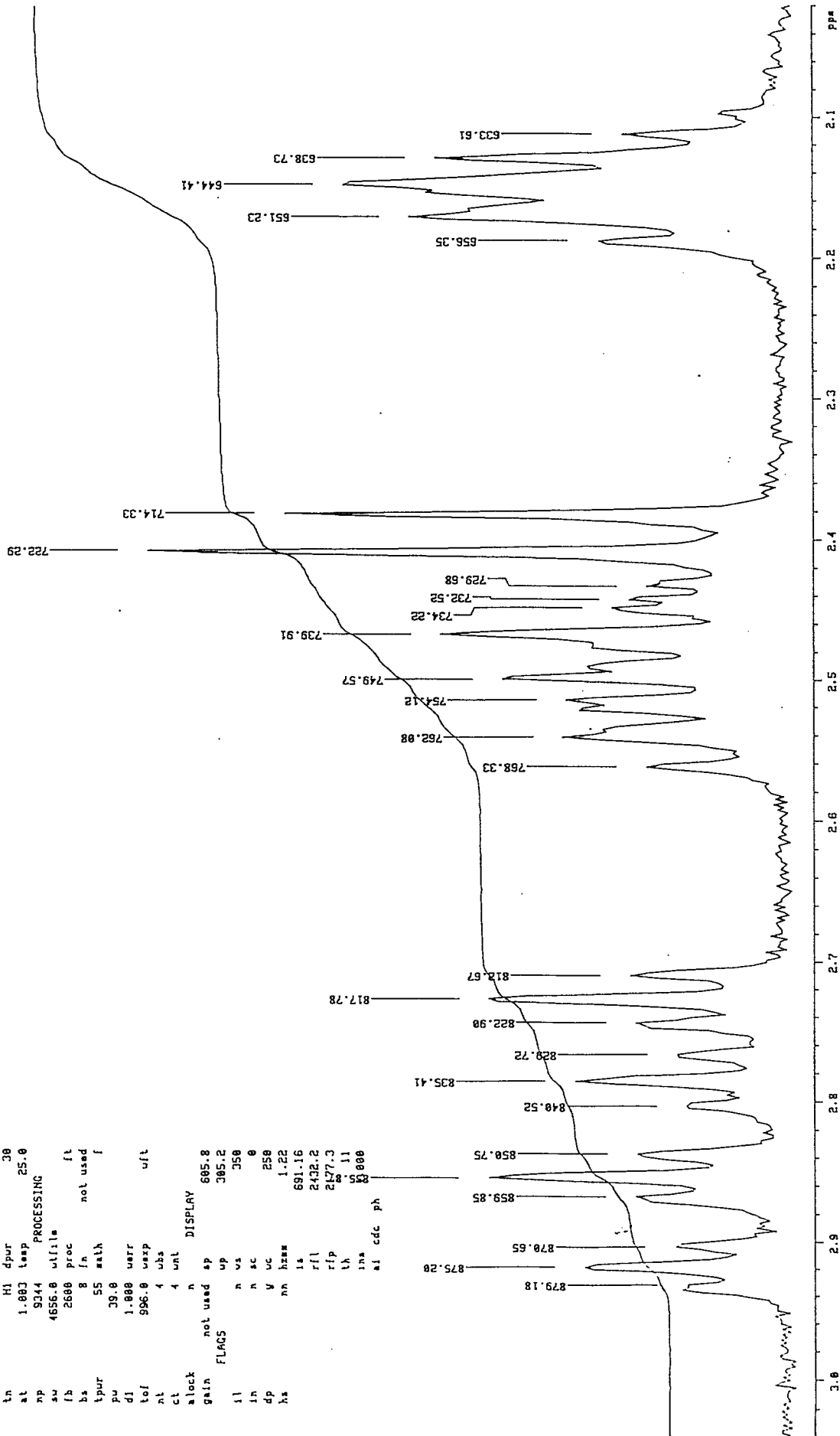
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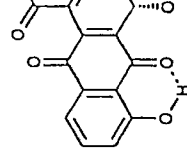


expl pulse sequence: std1h

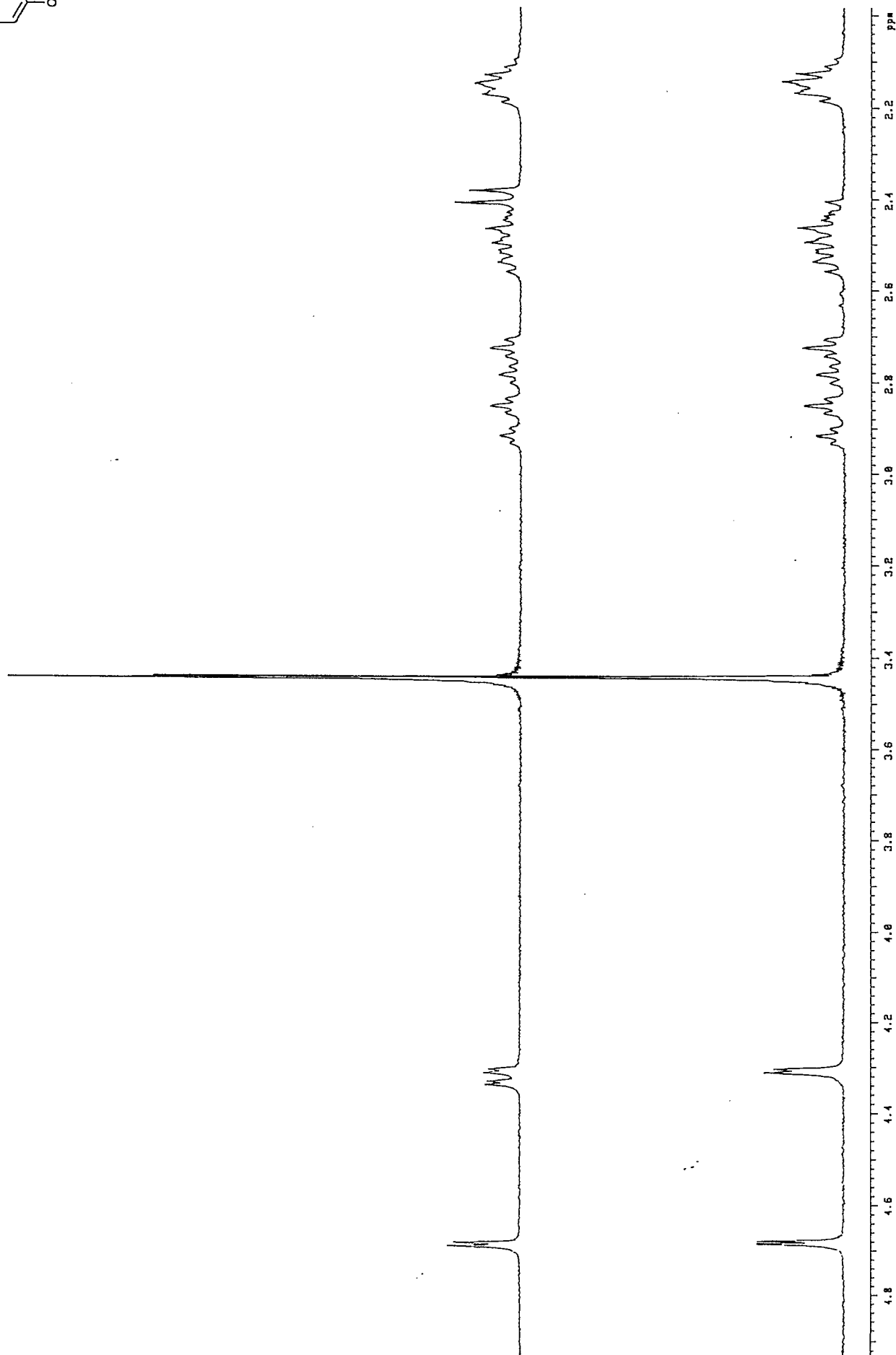
```

SAMPLE      DEC. & UT
date Sep 15 95 dn HI
solvent CDC13 dof 0
file      exp da nnn
ACQUISITION  dea c
sfrq 299.918 def 200
tn HI dpr 30
at 1.003 temp 25.0
np 9344
sw 4656.0 wfilia
fb 2600 proc ft
bs 8 fn not used f
tpr 55 math j
pw 39.8
di 1.000 warr
tof 996.0 wexp wft
nl 4 obs
ct 4 wnt
alock n DISPLAY
gain not used ap 605.8
flags up 305.2
il n vs 350
in n sc 0
dp y uc 250
hs nn hzsm 1.22
      is 691.16
      rfl 2432.2
      rip 2477.3
      th 8
      tna 11
      ai cdc ph 83000
  
```

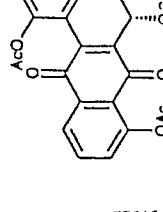




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