

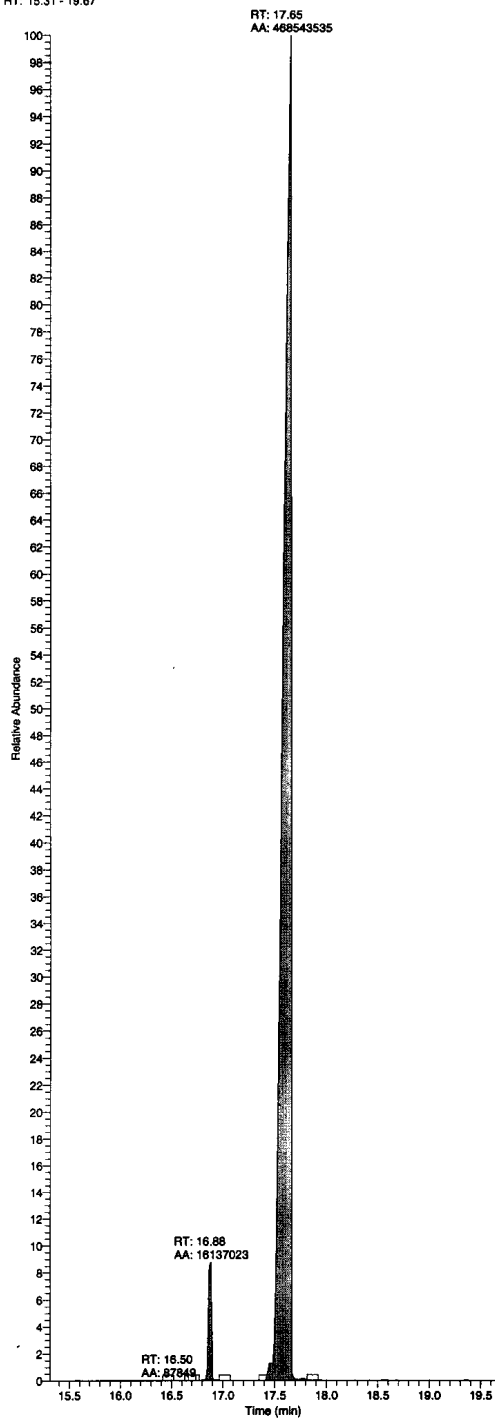
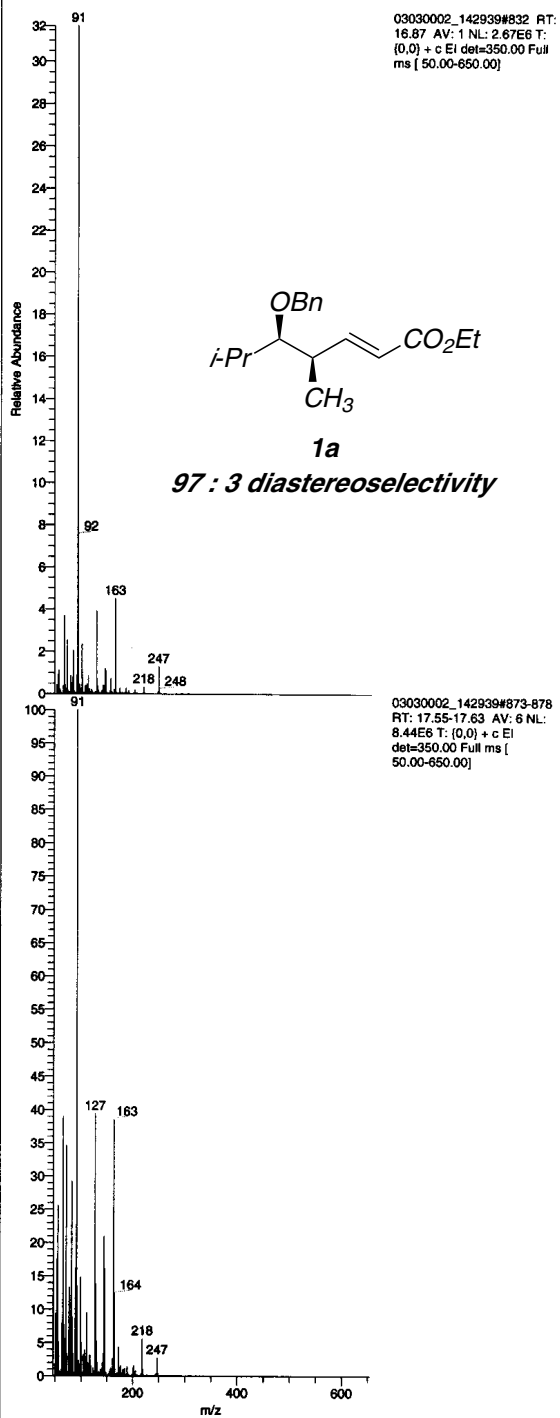
Determination of Diastereoselectivities for Scheme 1.

C:\Xcalibur\data\03030002_142939

03/03/01 03:50:06 PM

jmt

RT: 15.31 - 19.67

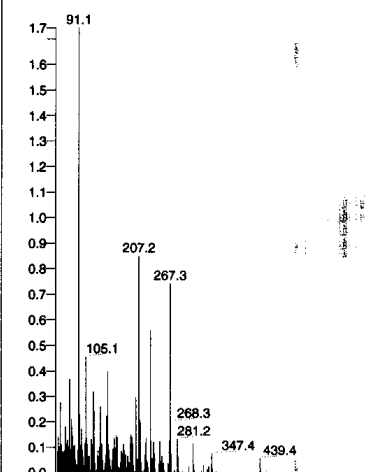
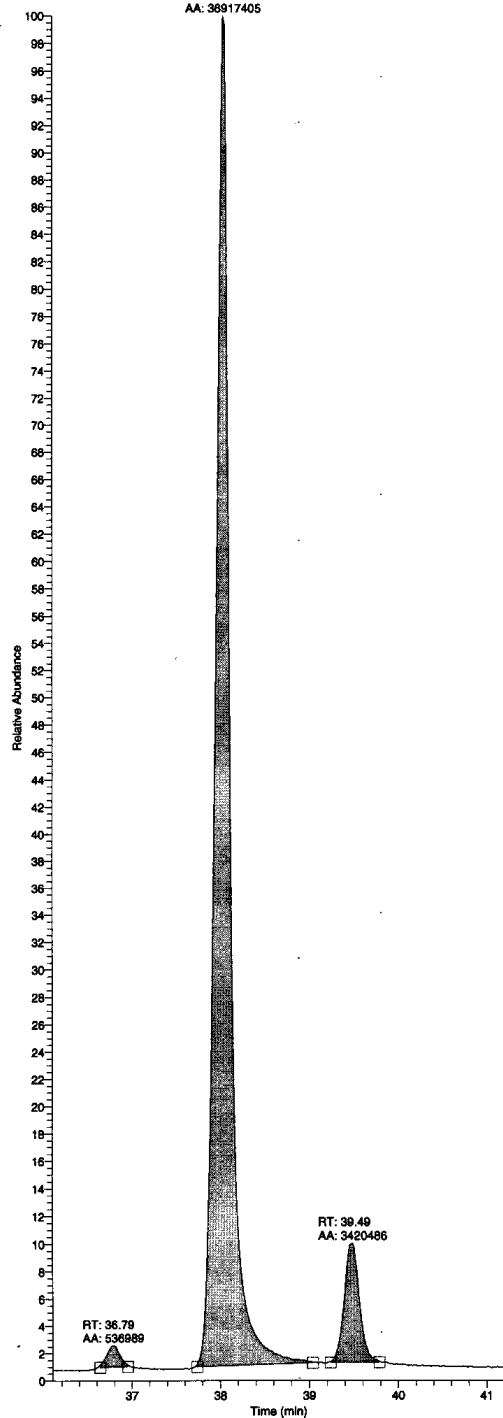
NL:
8.80E7
TIC MS
03030002_1
42939

08/07/01 11:16:24 PM

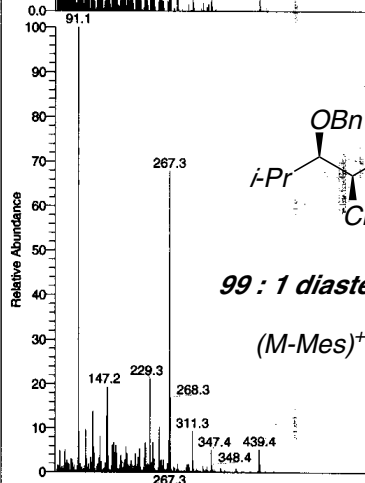
RT: 36.10 - 41.22

RT: 38.04
AA: 38917405

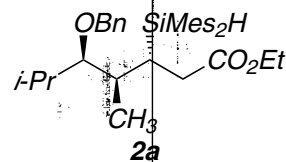
NL:
3.31E8
TIC MS
08070011_1
71424



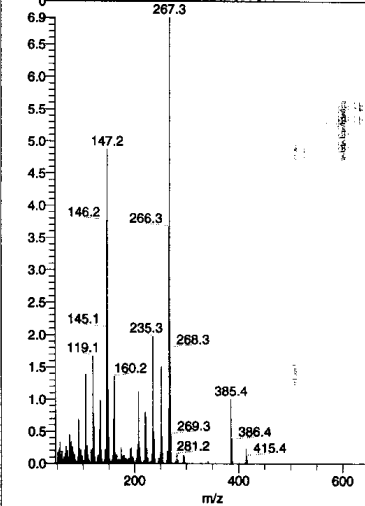
08070011_171424#2021-
2029 RT: 36.69-36.82 AV: 9
NL: 6.71E3 T: {0,0} + c EI
det=350.00 Full ms [
50.00-650.00]



08070011_171424#2098-
2107 RT: 37.97-38.12 AV:
10 NL: 3.85E5 T: {0,0} + c EI
det=350.00 Full ms {
50.00-650.00}



99 : 1 diastereoselectivity

$$(M-Mes)^+ = 439 \text{ } m/z$$


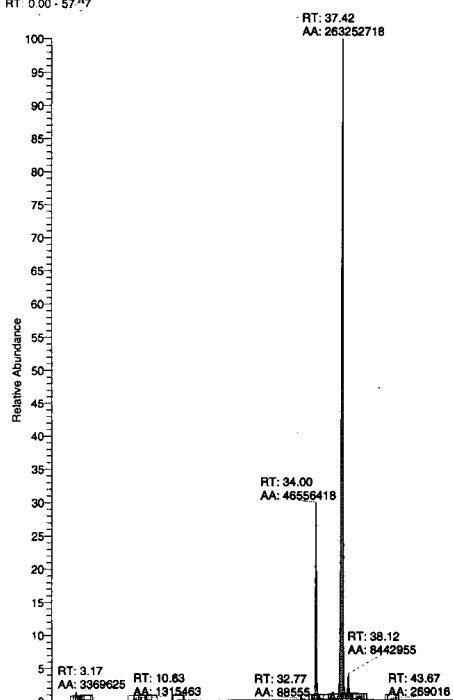
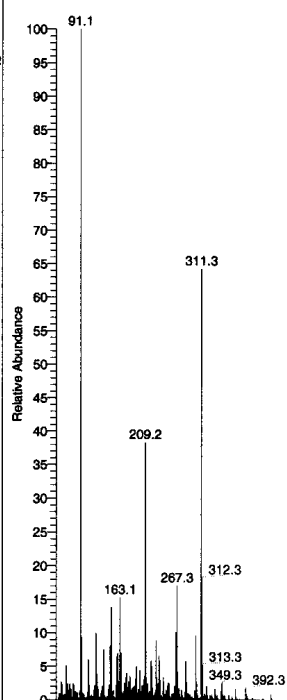
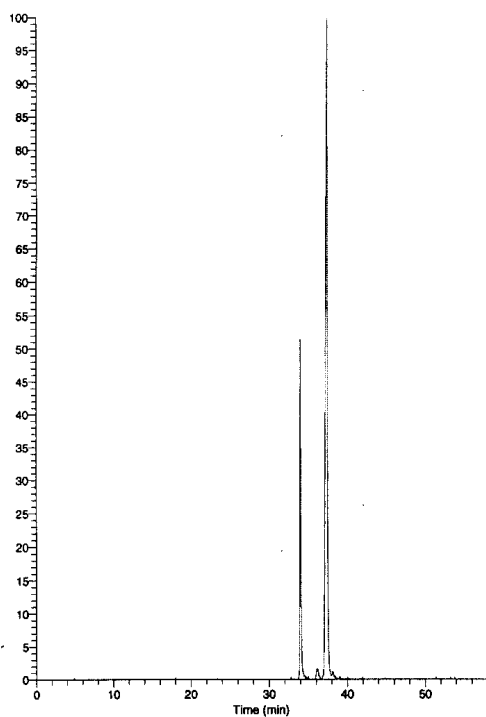
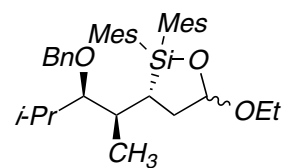
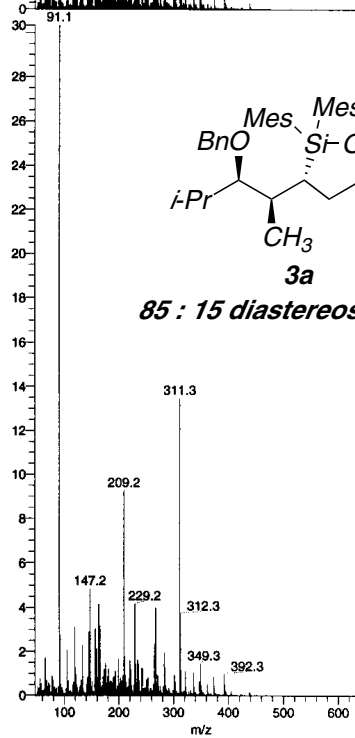
08070011_171424#2182-
2196 RT: 39.37-39.60 AV:
15 NL: 2.66E4 T: {0,0} + c EI
det=350.00 Full ms [
50.00-650.00]

F:\06060004_205841

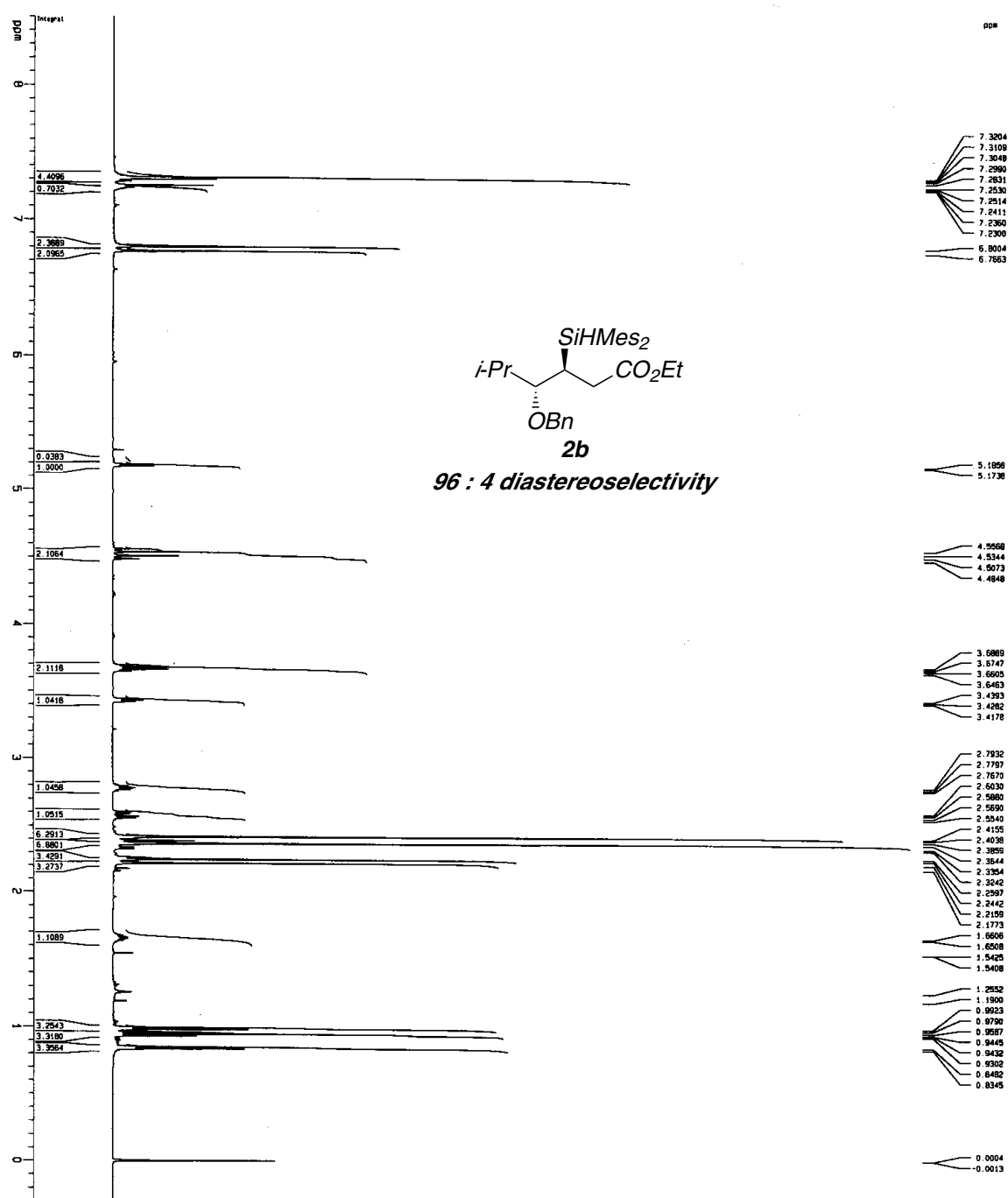
06/06/01 08:58:50 PM

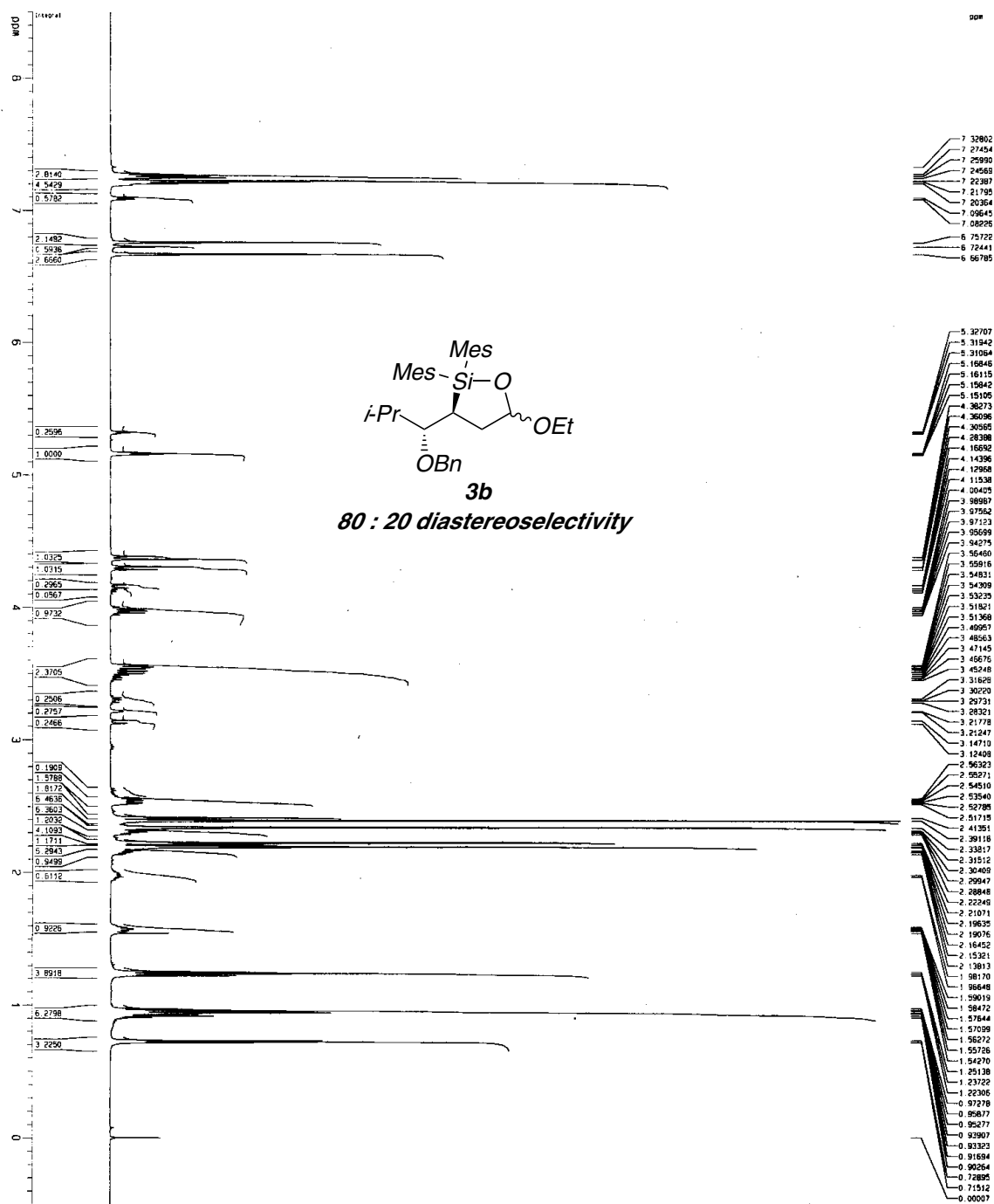
jmt

RT: 0.00 - 57.27

NL:
1.83E7
TIC: MS
06060004_2
05841NL:
4.76E4
m/z= 391.0
393.0 MS
06060004_2
0584106060004_205841#2065
RT: 37.42 AV: 1 NL:
2.53E6 T: (0.0) + c EI
det=350.00 Full ms [
50.00-650.00]06060004_205841#1860
RT: 34.00 AV: 1 NL:
7.66E5 T: (0.0) + c EI
det=350.00 Full ms [
50.00-650.00]**85 : 15 diastereoselectivity**

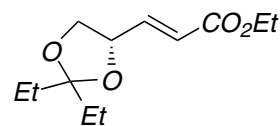
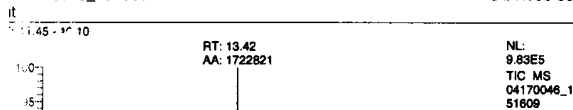
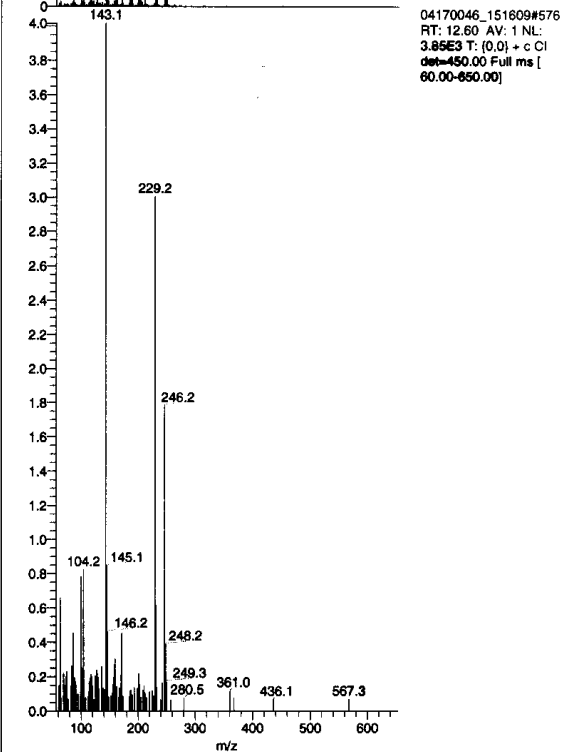
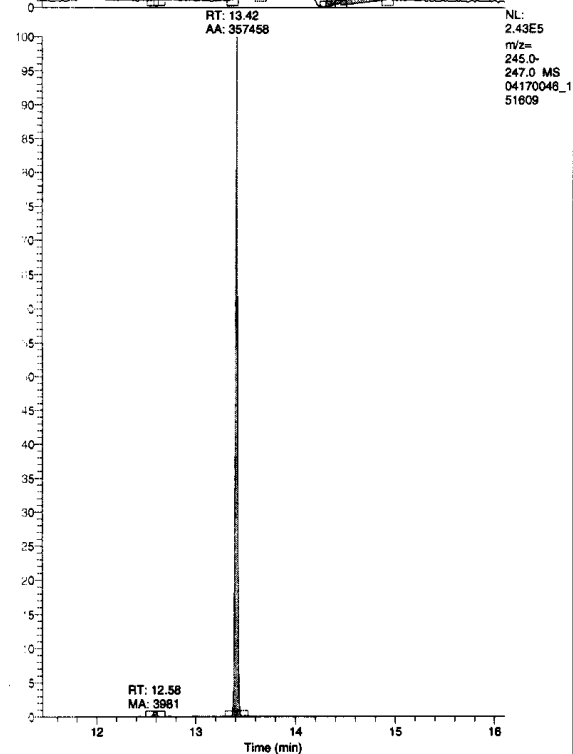
Determination of Diastereoselectivities for Scheme 2.





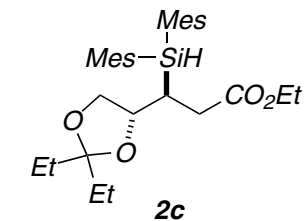
004170046_151609

04/17/00 03:16:11 PM

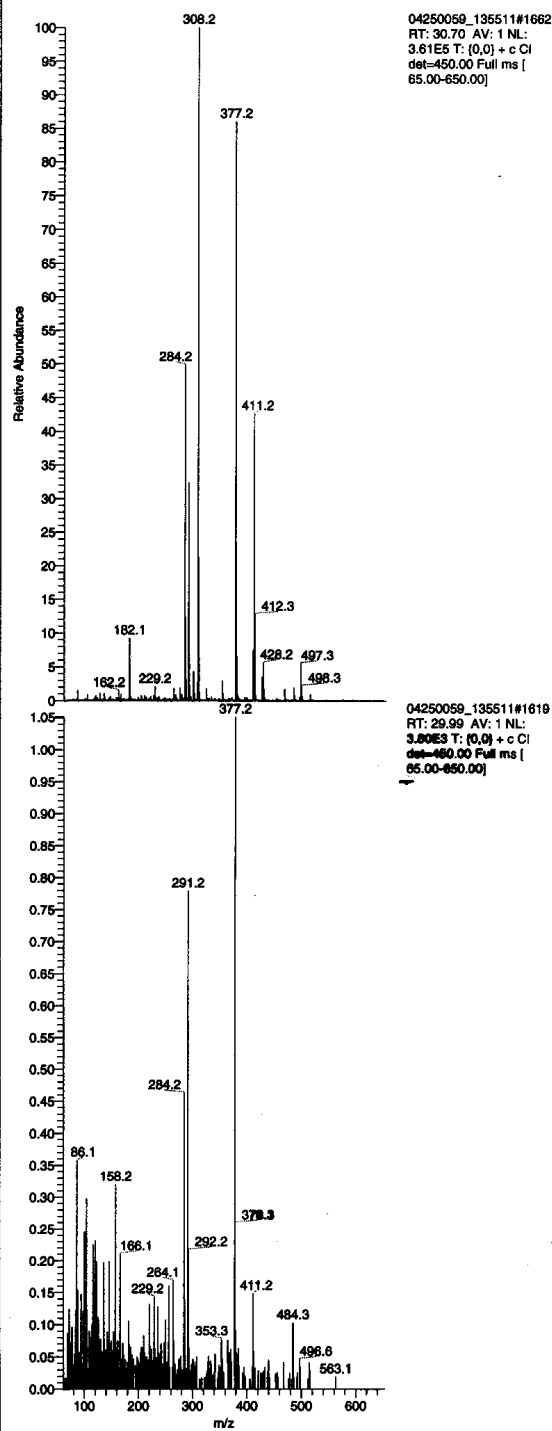
**1c****98: 2 diastereoselectivity**

04/25/00 01:55:19 PM

RT: 16.93 - 33.70



98 : 2 diastereoselectivity

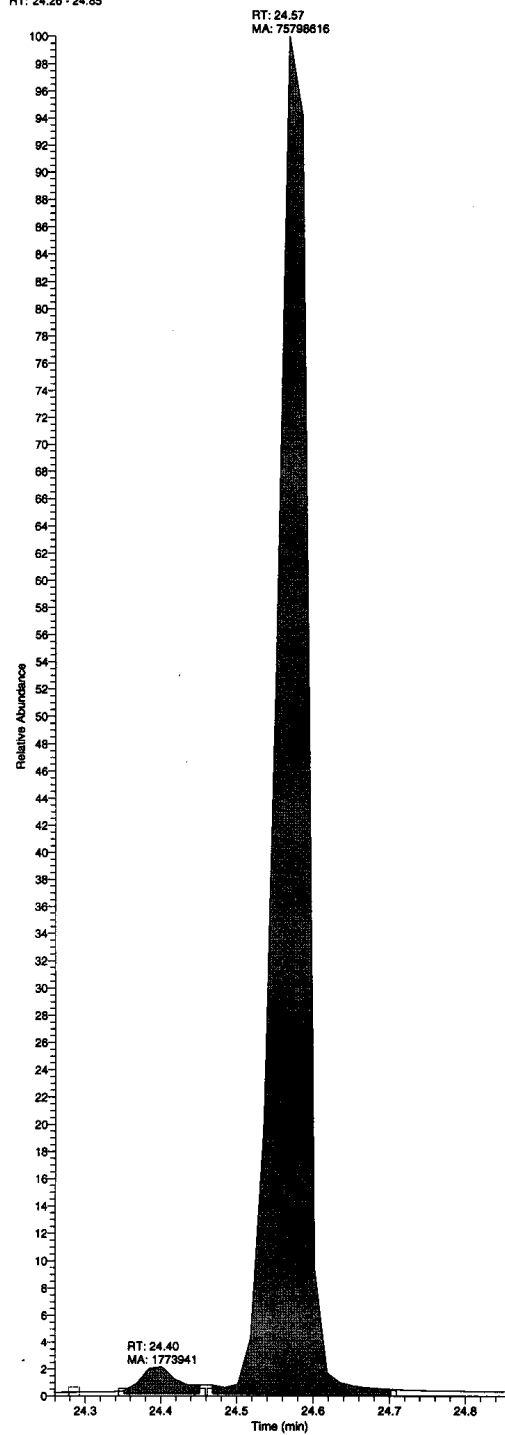
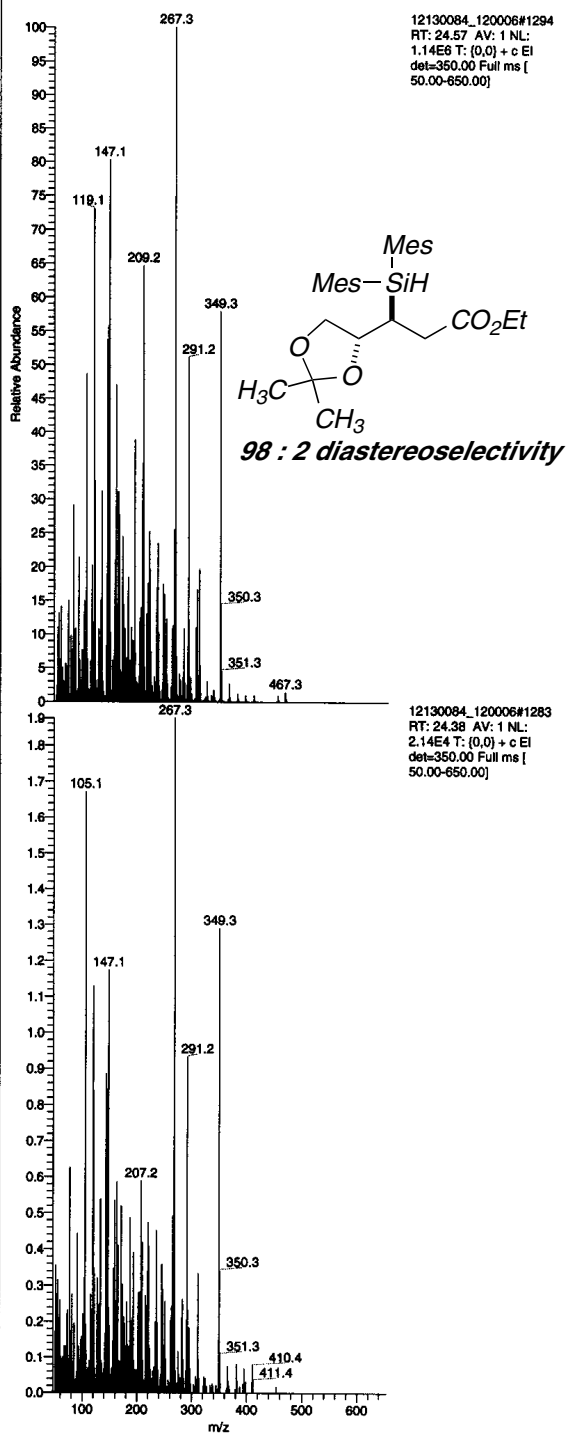


F:\12130084_120006

12/13/01 12:00:17 PM

jmt

RT: 24.26 - 24.85

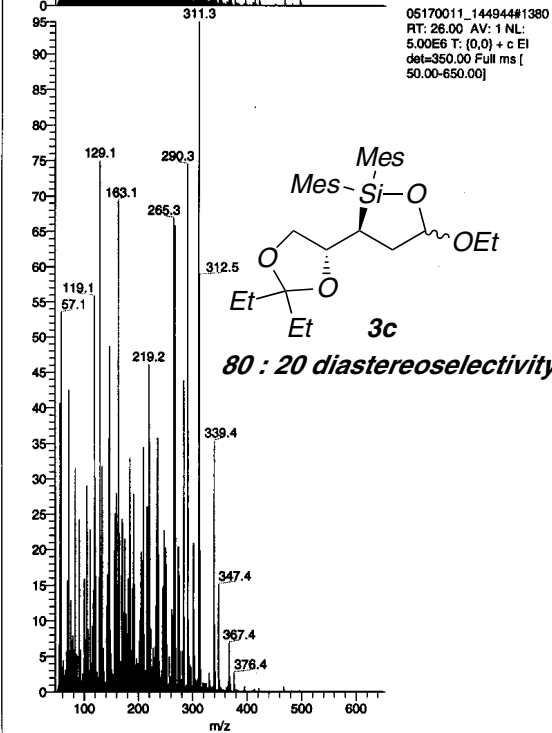
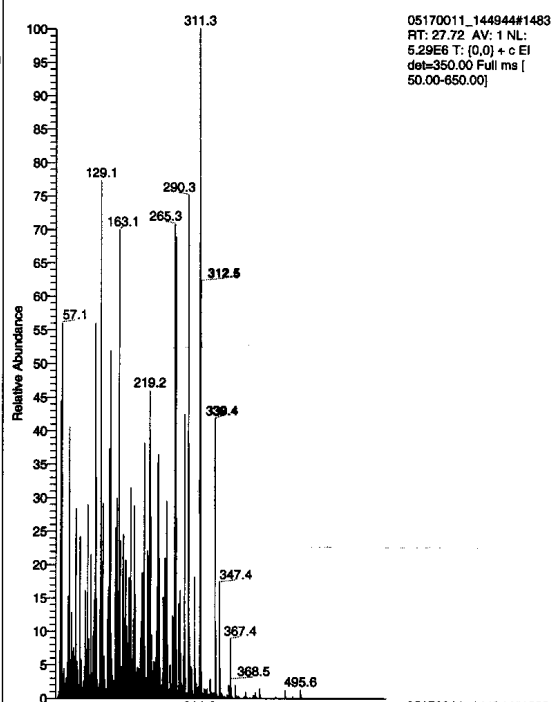
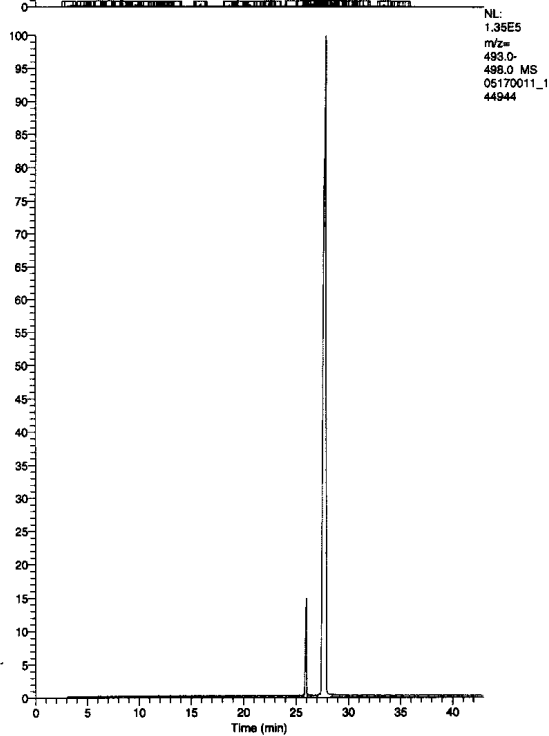
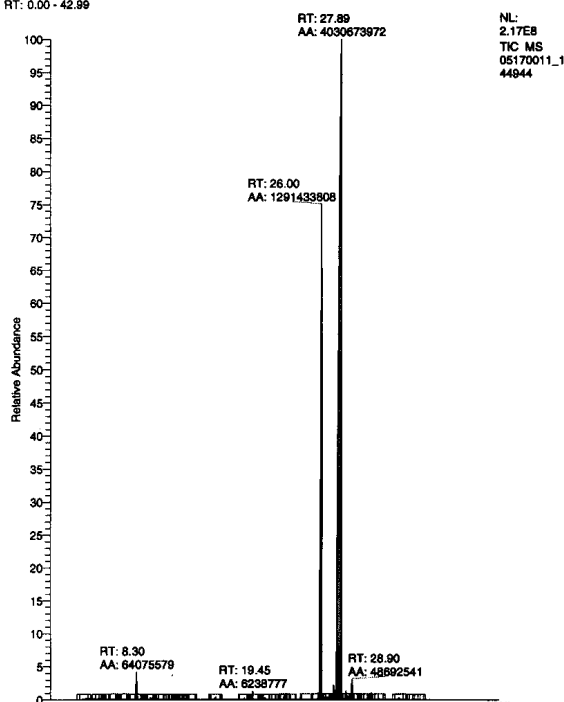
NL:
2.63E7
TIC MS
12130084_1
20006

FA05170011_144944

05/17/00 02:50:00 PM

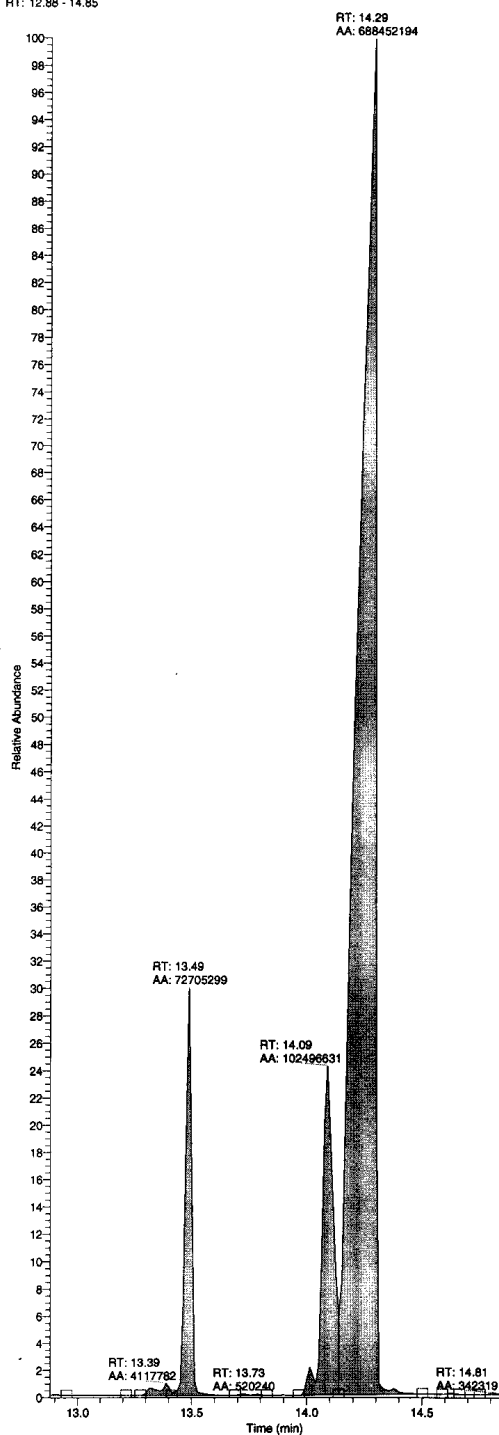
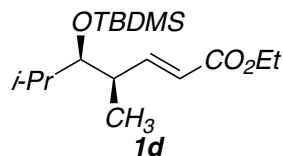
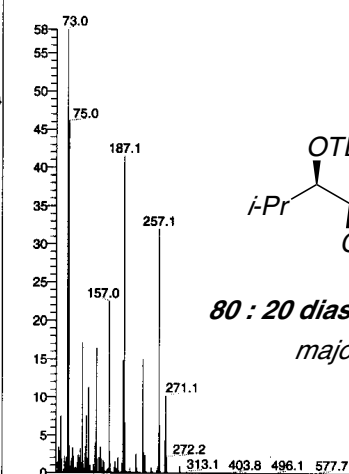
jmt

RT: 0.00 - 42.99

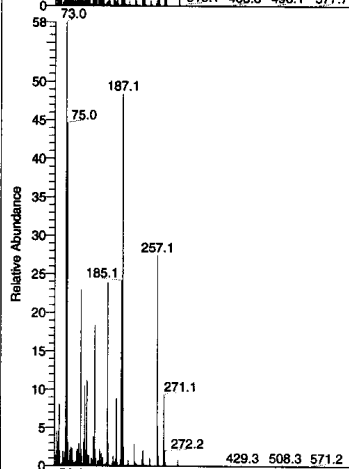
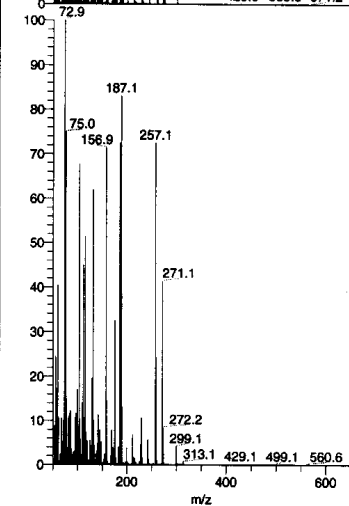
**80 : 20 diastereoselectivity**

\\lct3\da \jmt-iv-7ckaw05080009_172843

05/08/02 07:56:16 PM

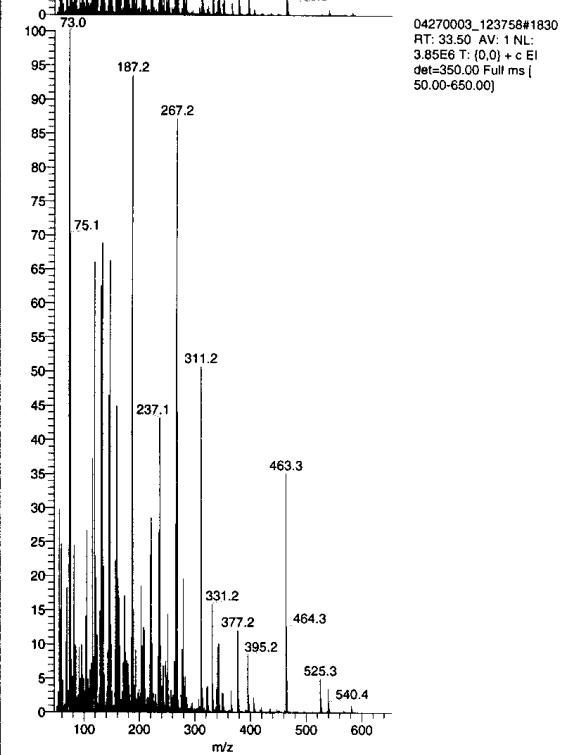
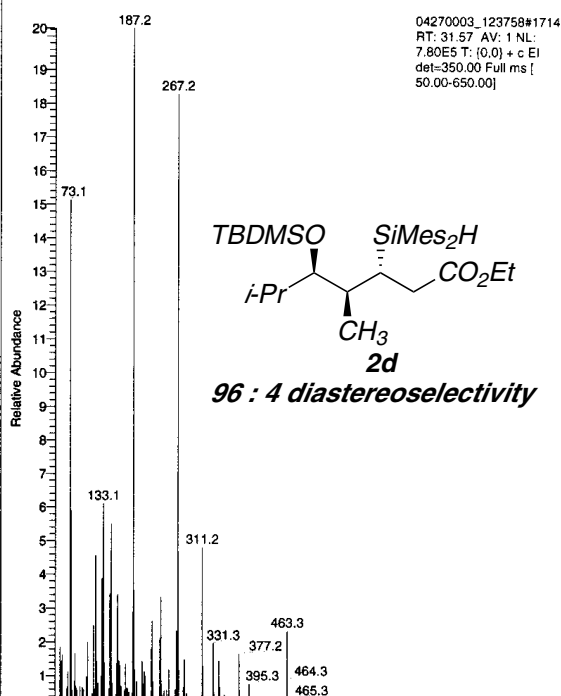
Administrator
RT: 12.88 - 14.85NL:
1.27E8
TIC MS
ICIS
jmt-iv-
7ckaw0508
0009_17284
3

80 : 20 diastereoselectivity
major : others

jmt-iv-
7ckaw05080009_172843#838
RT: 13.48 AV: 1 NL: 3.26E6 T:
[0.0] + c EI det=350.00 Full ms [
50.00-650.00]jmt-iv-
7ckaw05080009_172843#886
RT: 14.08 AV: 1 NL: 3.24E6 T:
[0.0] + c EI det=350.00 Full ms [
50.00-650.00]jmt-iv-
7ckaw05080009_172843#894-
903 RT: 14.18-14.29 AV: 10
NL: 5.62E6 T: [0.0] + c EI
det=350.00 Full ms [
50.00-650.00]

04/27/01 12:38:04 PM

BT: 0.00 - 57.99

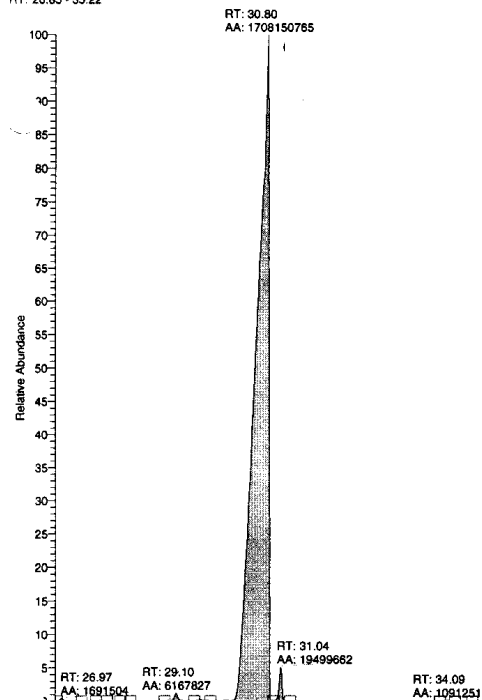
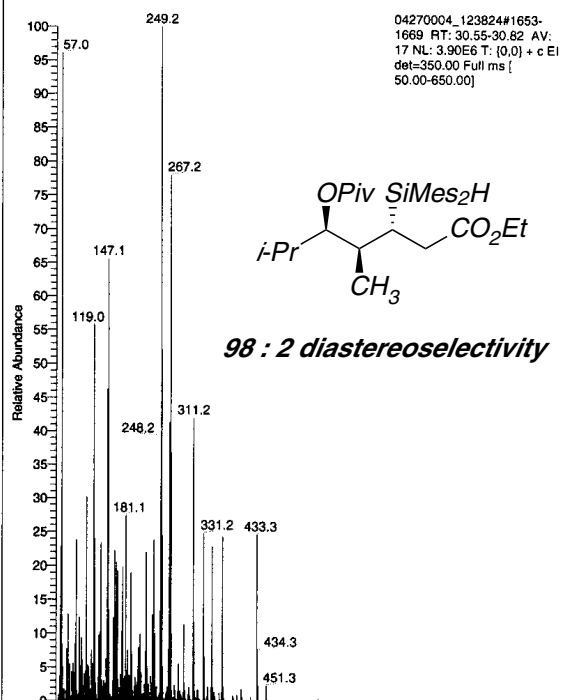


F:\04270004_123824

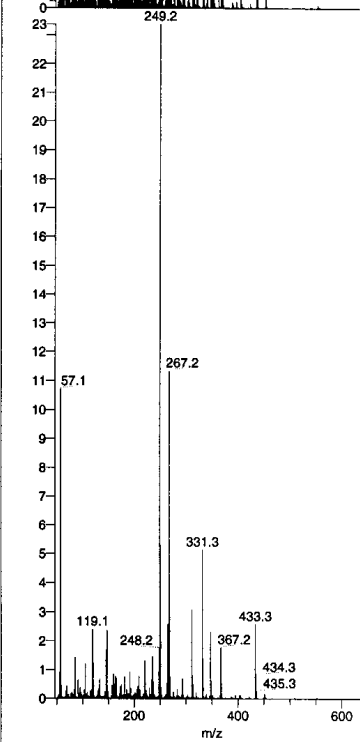
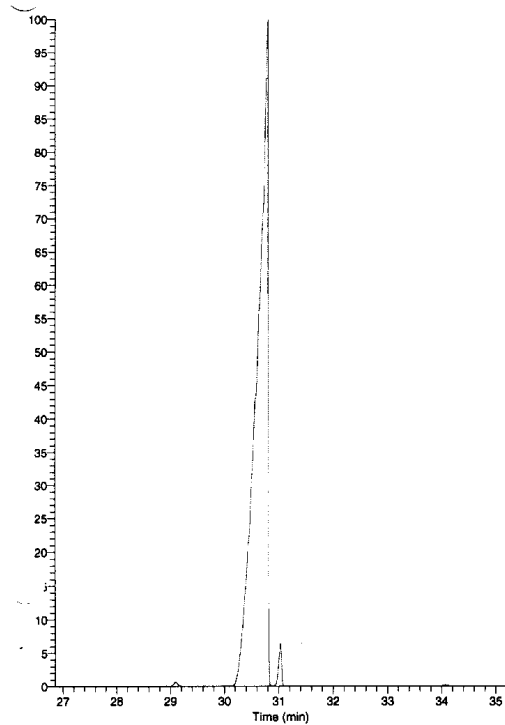
04/27/01 01:42:03 PM

jmt

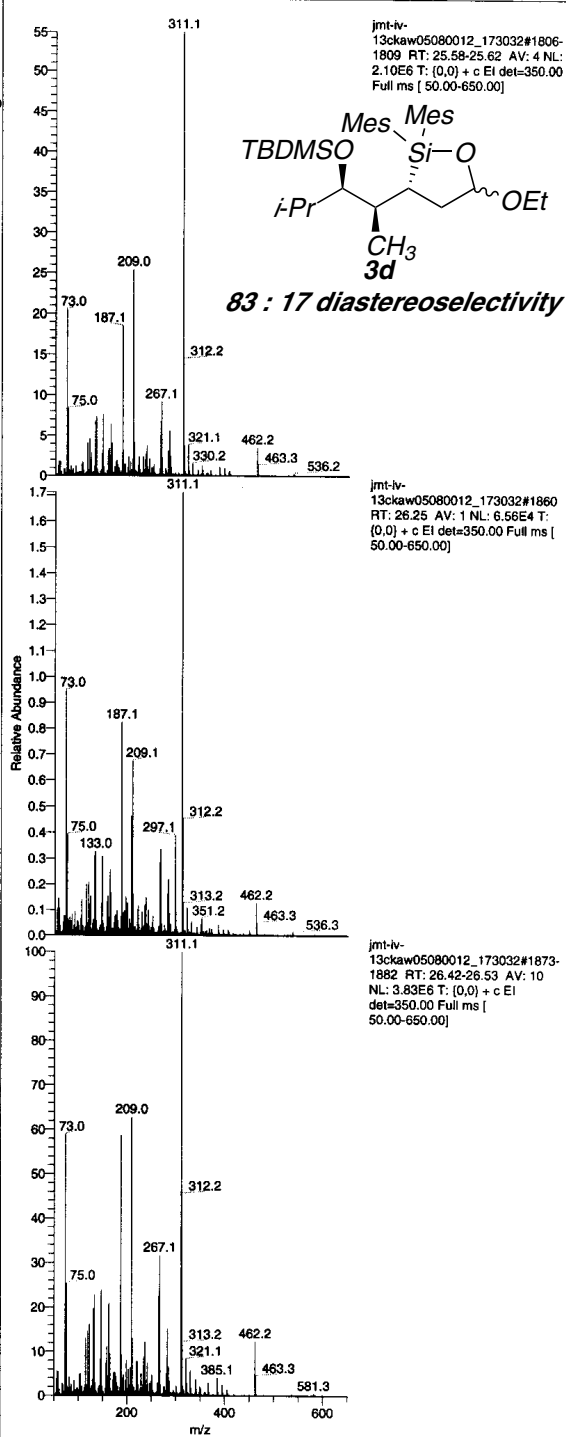
RT: 26.85 - 35.22

NL:
1.05E8
TIC MS
04270004_1
23824NL:
1.56E6
m/z= 431.0
434.0 MS
04270004_1
23824

04270004_123824#1682 RT: 31.04 AV: 1 NL: 9.12E5 T: (0,0) + c EI det=350.00 Full ms [50.00-650.00]



05/08/02 10:29:15 PM



F:\07180001_152445

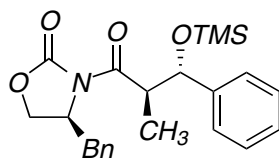
07/18/01 03:24:50 PM

jmt

RT: 0.00 - 23.98

RT: 22.92 NL:
MA: 2107334295 2.08E8
TIC MS
07180001_1
52445

Relative Abundance (%)



RT: 22.30
AA: 84485676

RT: 4.28
AA: 33838660

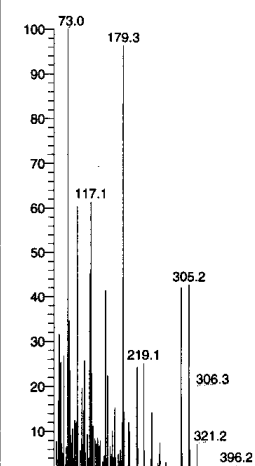
RT: 4.80
AA: 4937718

RT: 11.98
AA: 2557244

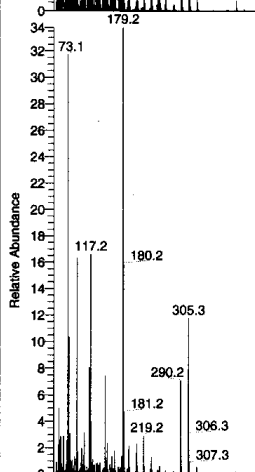
RT: 19.03
AA: 2962118

Time (min)

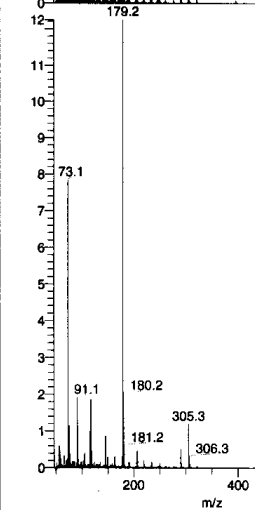
Relative Abundance



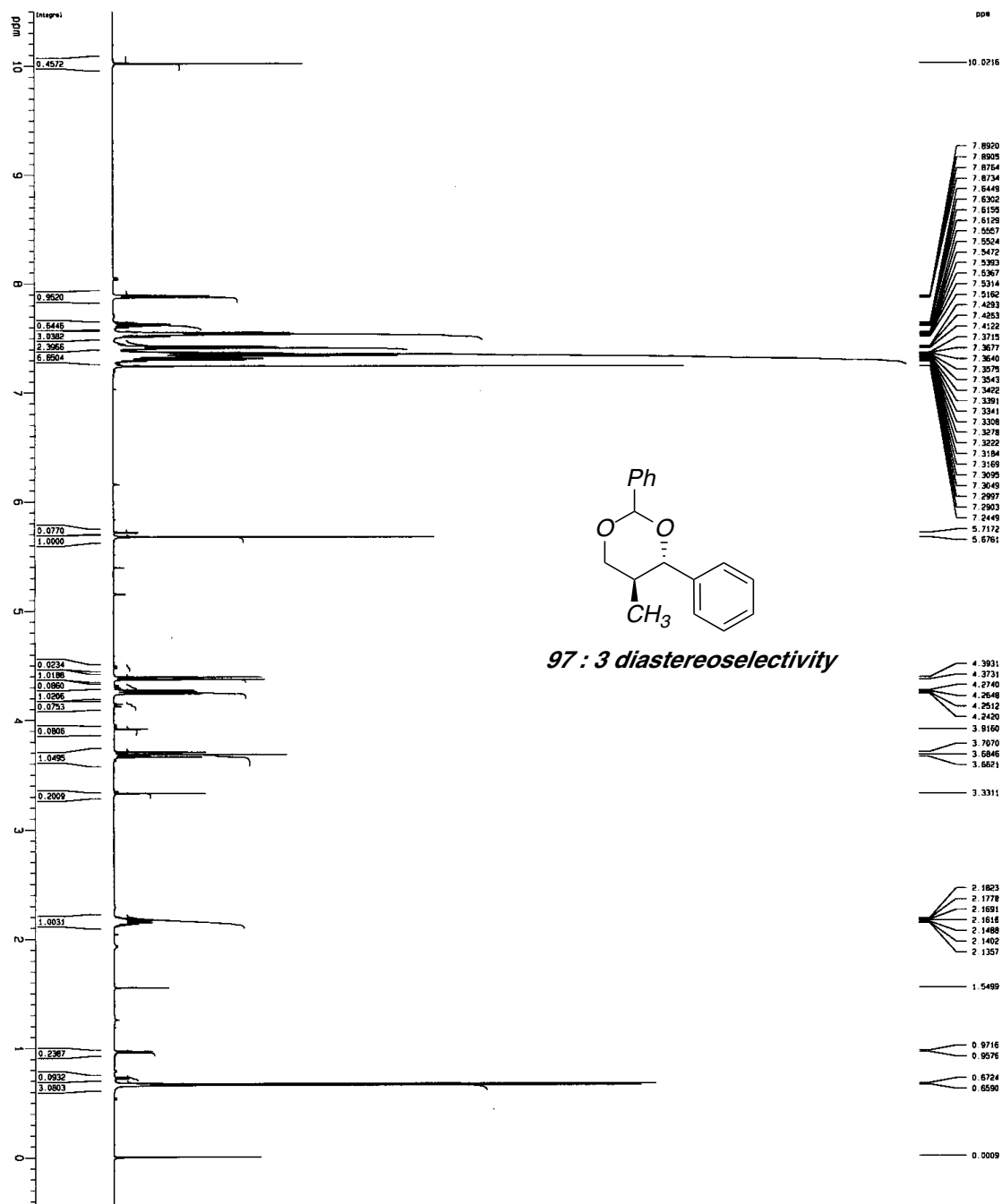
07180001_152445#1182:
1195 RT: 22.70-22.82 AV:
14 NL: 9.41E6 T: (0,0) + c EI
det=350.00 Full ms [50.00-650.00]



07180001_152445#1157 RT:
22.28 AV: 1 NL: 3.18E6 T:
(0,0) + c EI det=350.00 Full
ms [50.00-650.00]



07180001_152445#1168 RT:
22.47 AV: 1 NL: 1.15E6 T:
(0,0) + c EI det=350.00 Full
ms [50.00-650.00]

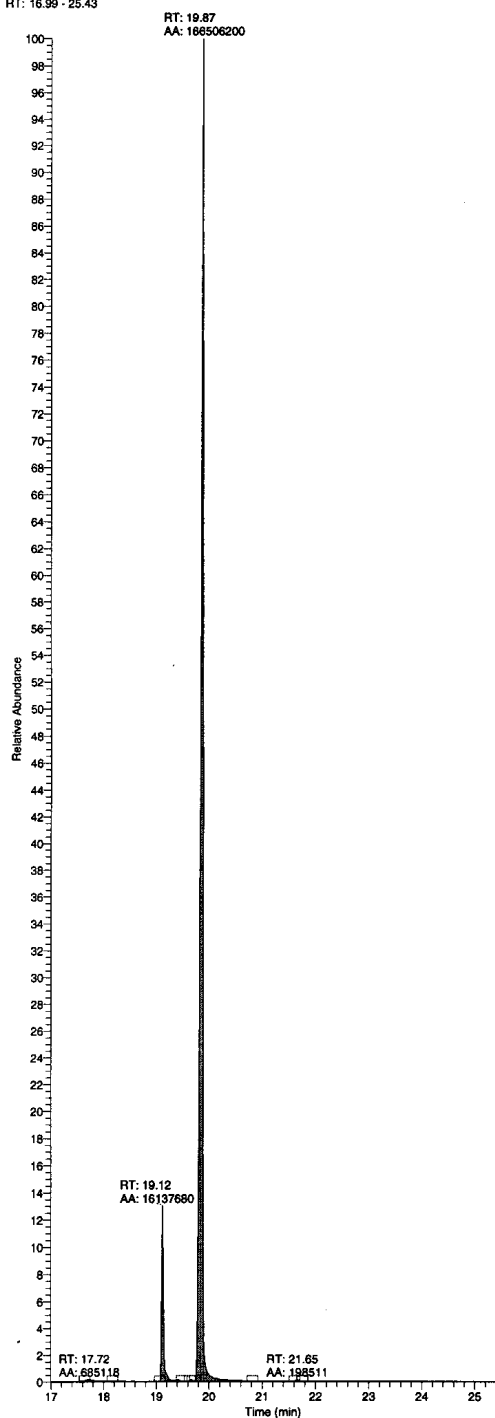
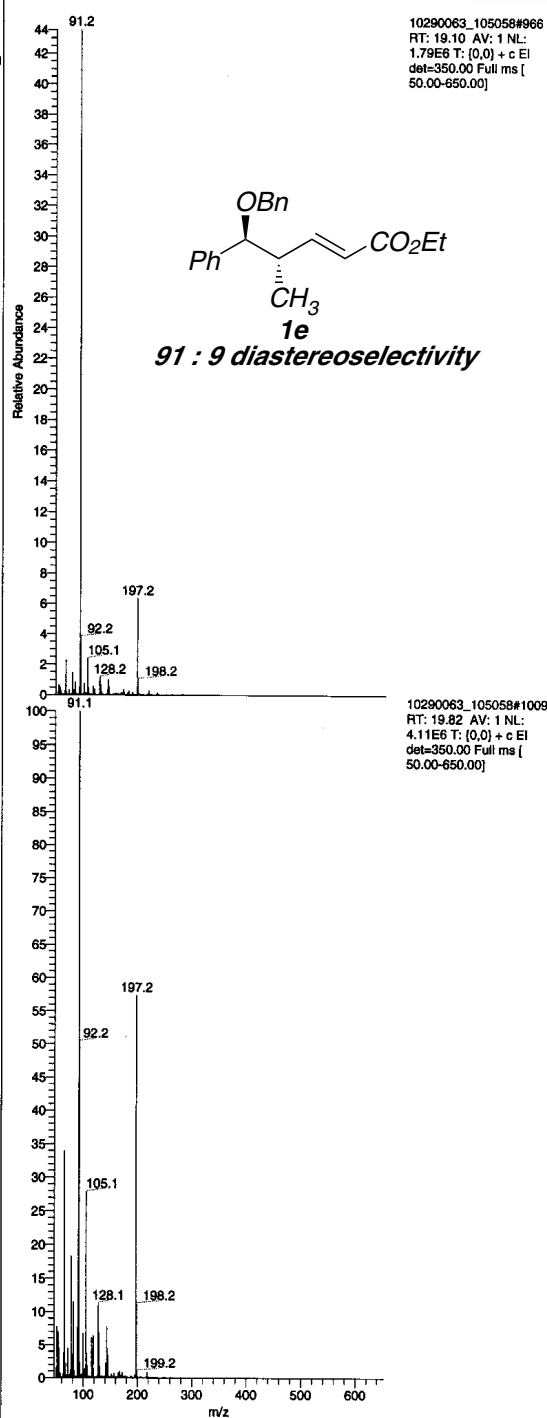


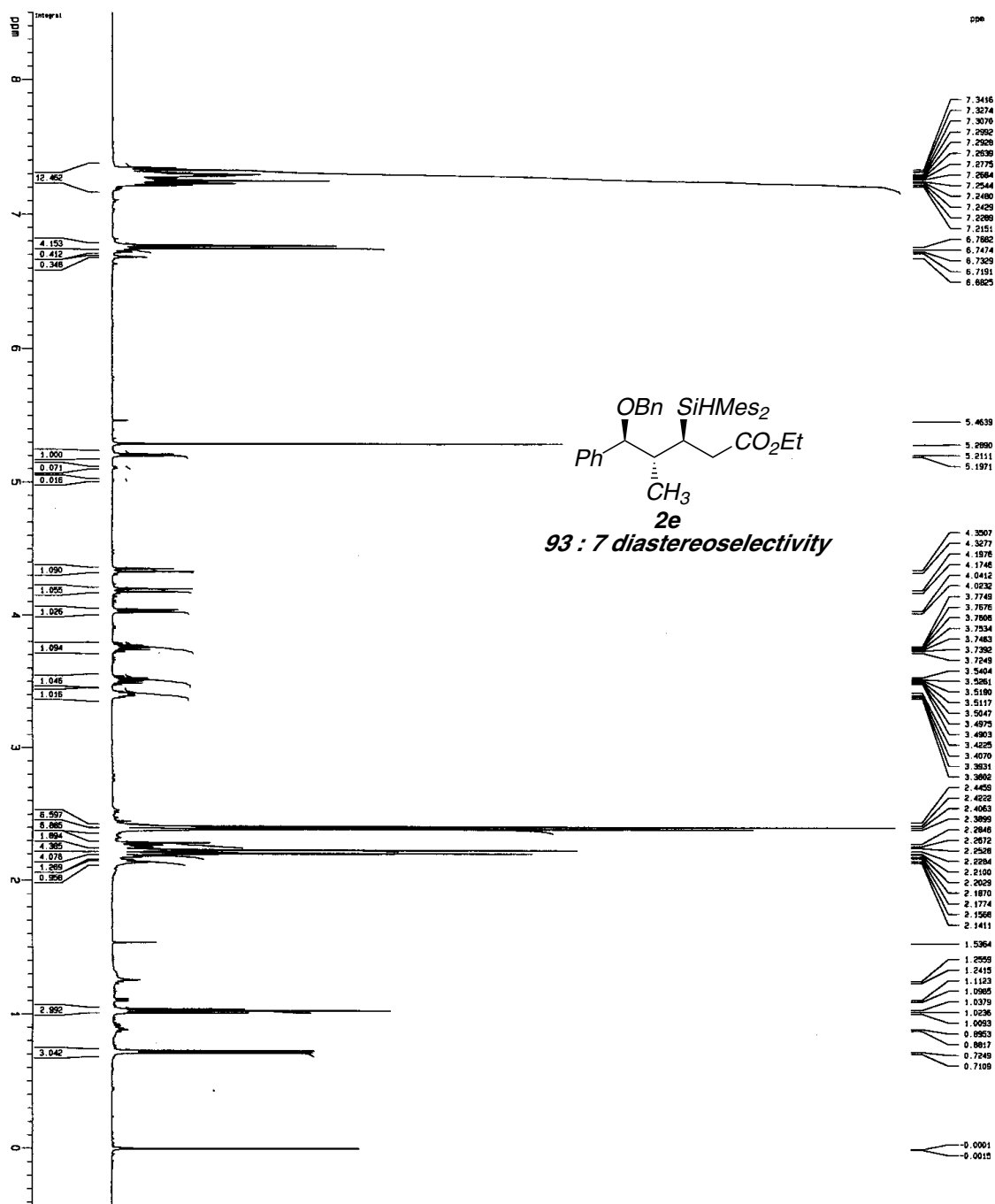
FA10290063_105058

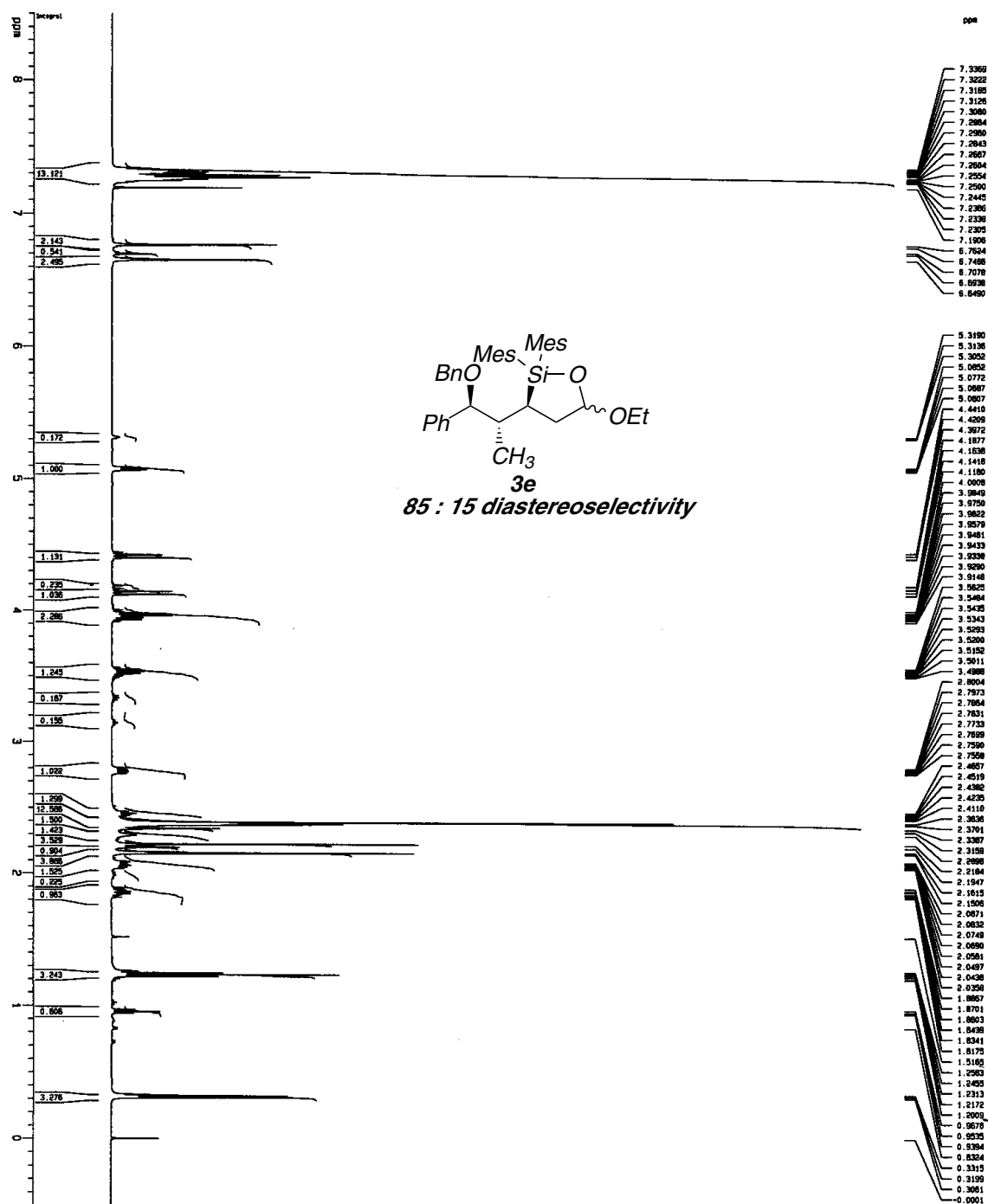
10/29/01 12:19:04 PM

pmc

RT: 16.99 - 25.43

NL:
5.20E7
TIC MS
10290063_1
0505810290063_105058#966
RT: 19.10 AV: 1 NL:
1.79E6 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]10290063_105058#1009
RT: 19.82 AV: 1 NL:
4.11E6 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]

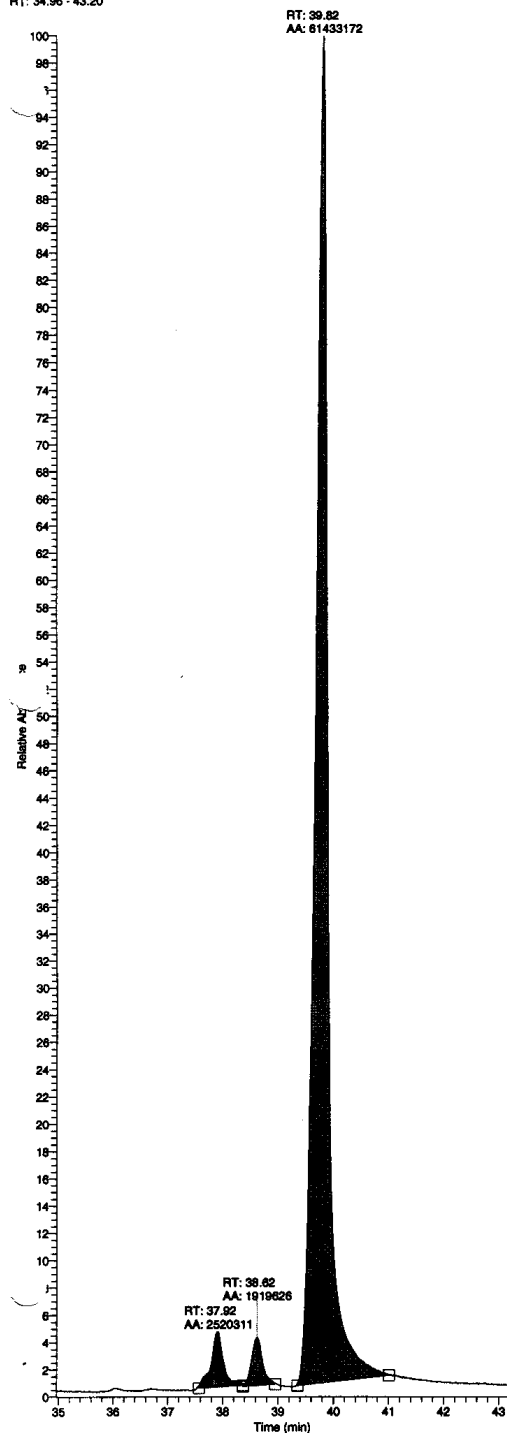
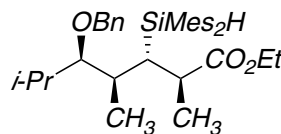
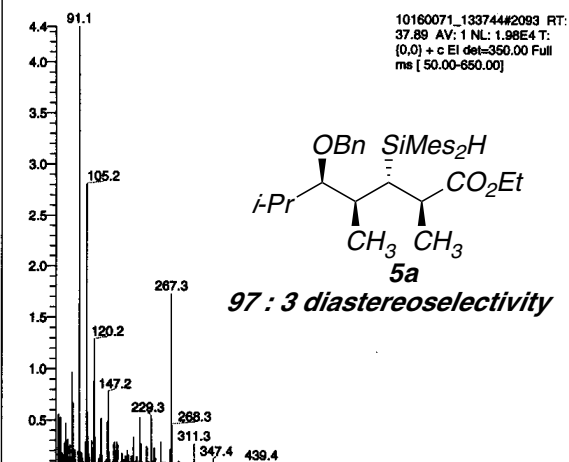




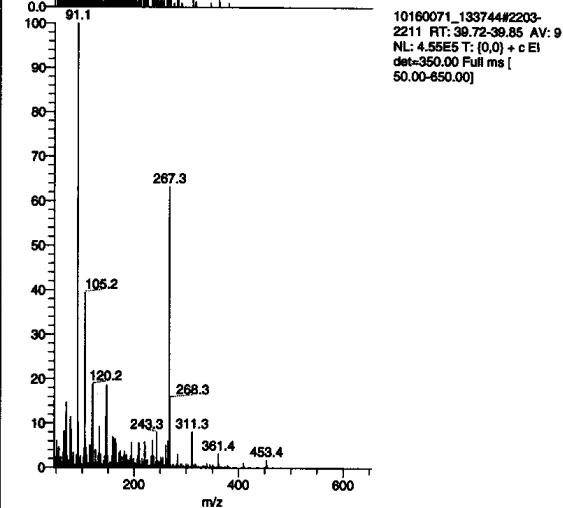
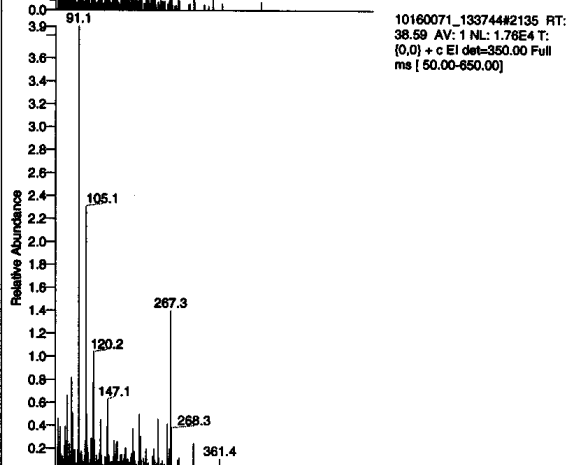
Determination of Diastereoselectivities for Equation 1.

F:\10160071_133744

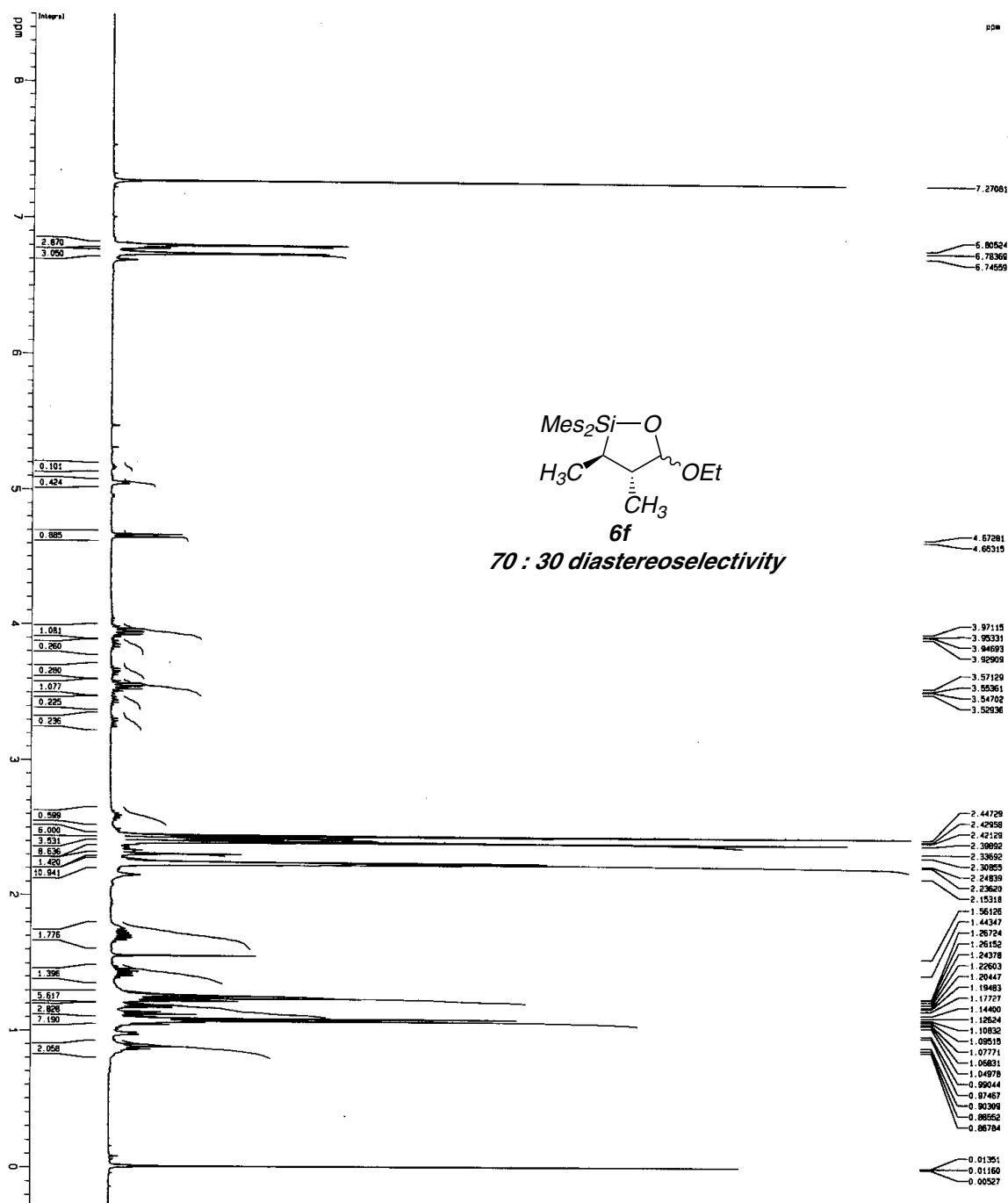
10/16/01 01:37:48 PM

jmt.
RT: 34.96 - 43.20NL:
4.01E6
TIC MS
10160071_1
33744

97 : 3 diastereoselectivity



Determination of Diastereoselectivities for Equation 2.



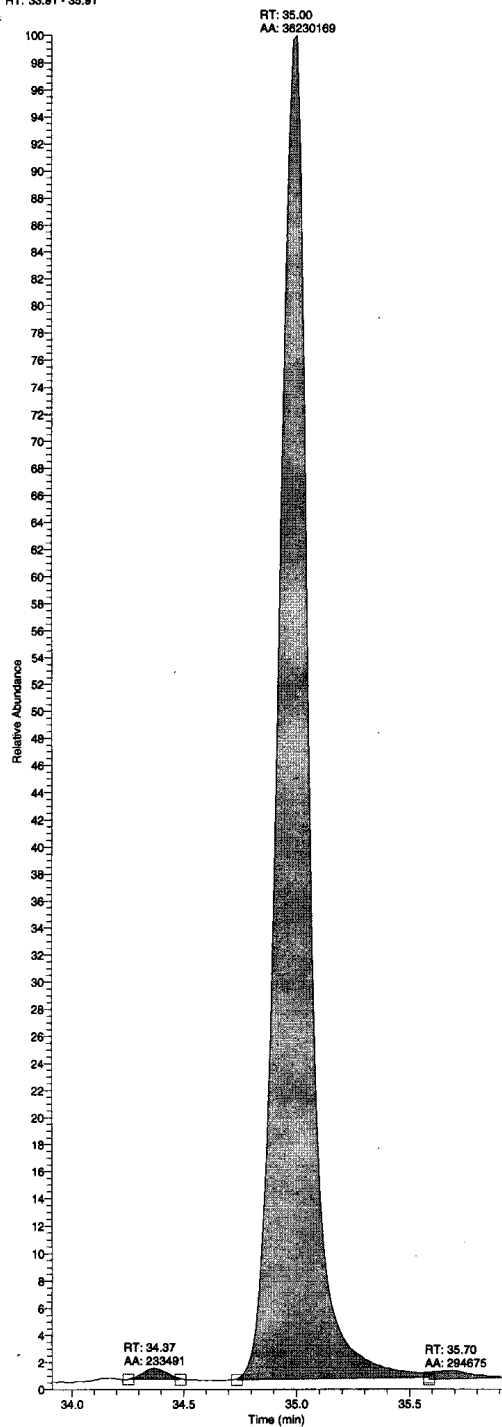
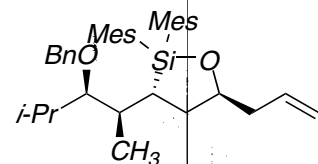
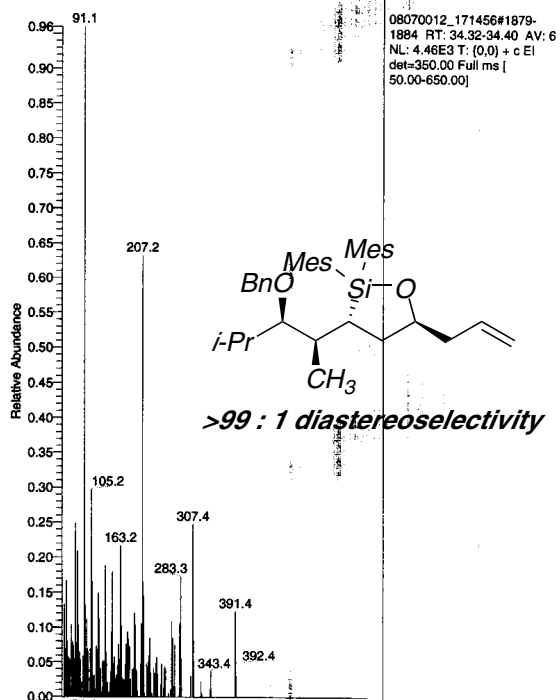
Determination of Diastereoselectivities for Scheme 3.

F:\08070012_171456

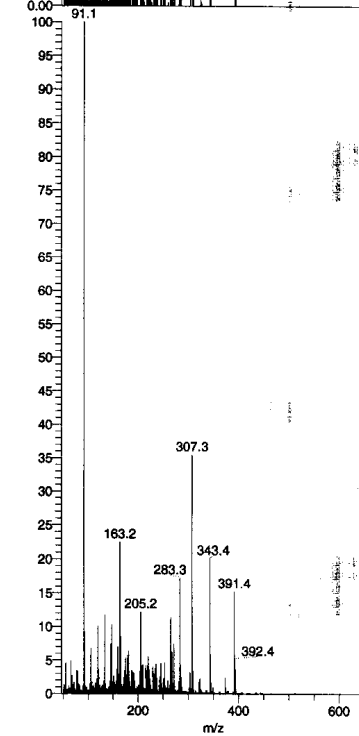
08/08/01 12:21:42 AM

jmt

RT: 33.81 - 35.91

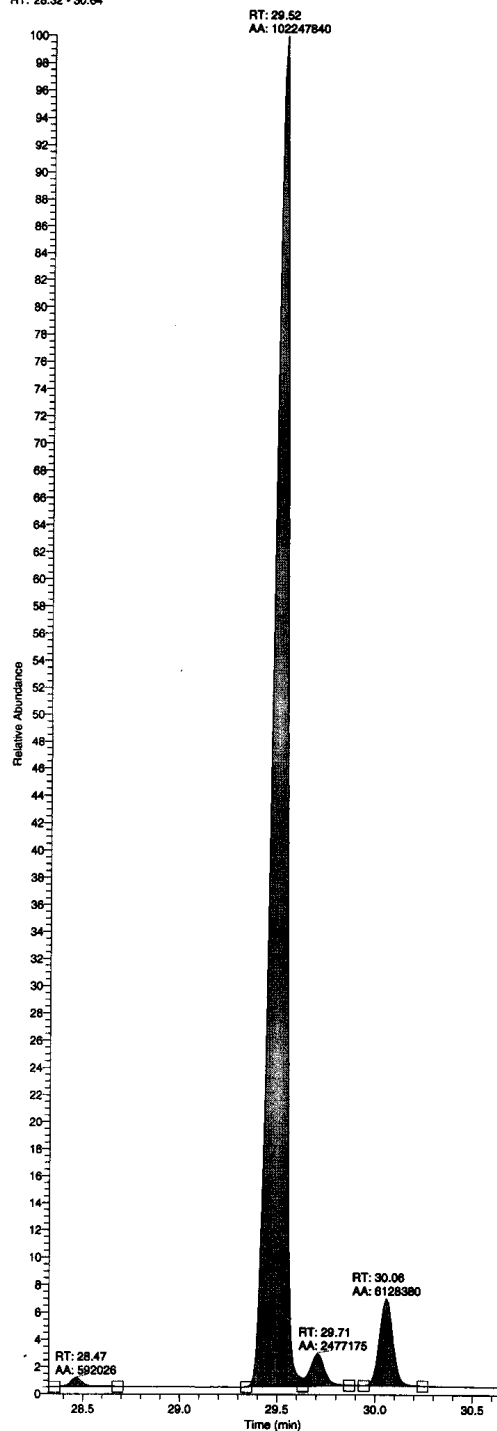
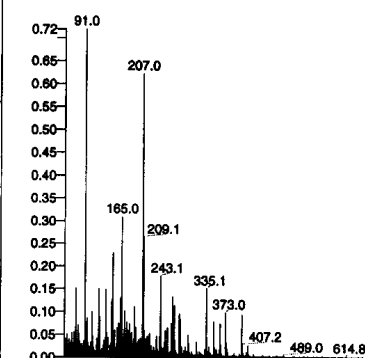
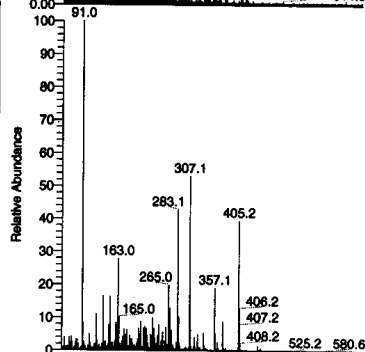
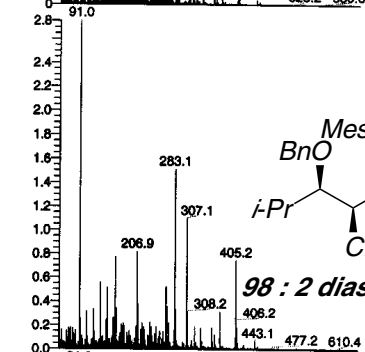
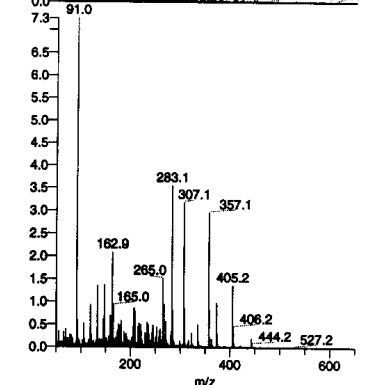
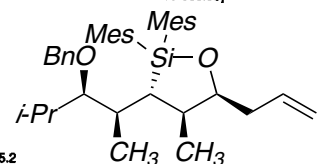
NL:
3.91E6
TIC MS
08070012_1
71456

>99 : 1 diastereoselectivity

08070012_171456#1879-
1884 RT: 34.32-34.40 AV: 6
NL: 4.46E3 T: (0.0) + c EI
det=350.00 Full ms [
50.00-650.00]08070012_171456#1915-
1922 RT: 34.92-35.04 AV: 8
NL: 4.65E5 T: (0.0) + c EI
det=350.00 Full ms [
50.00-650.00]

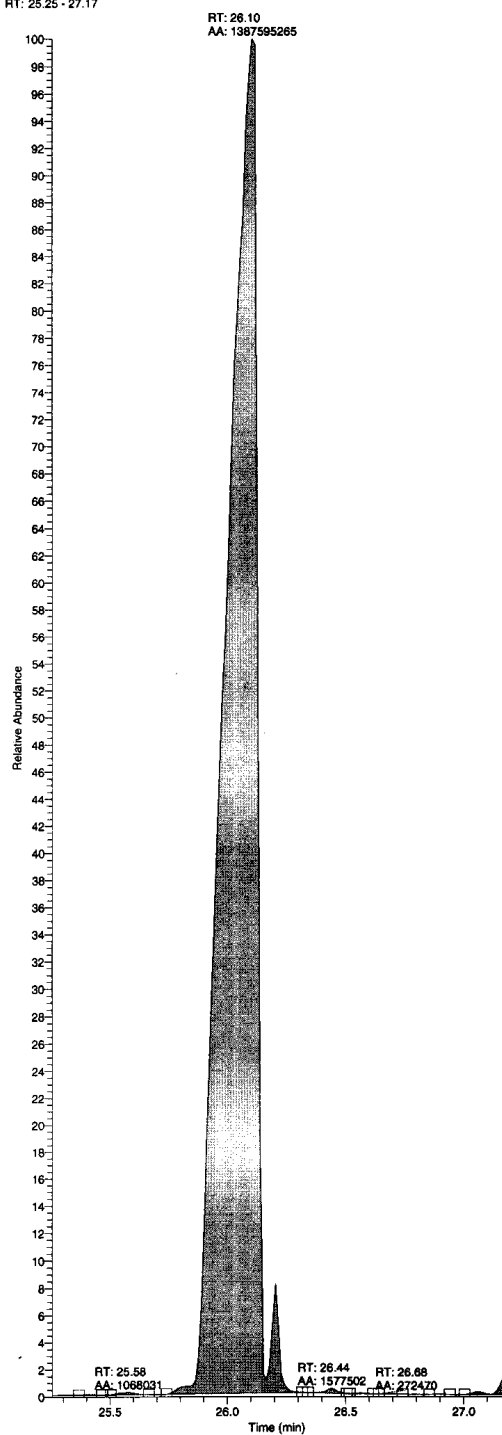
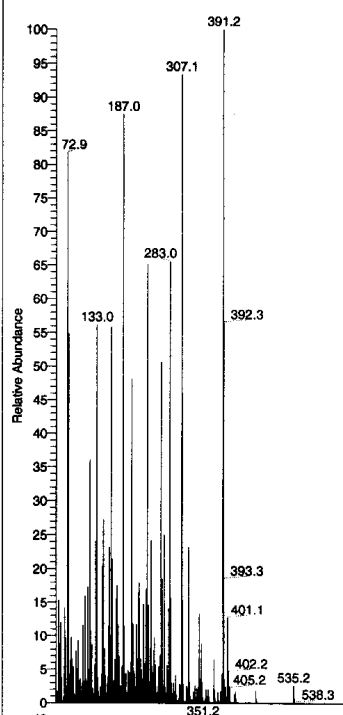
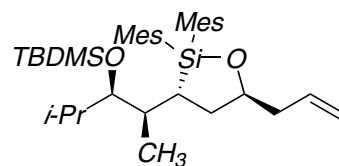
jmt-iii-181ckaw05310119_145634

05/31/02 05:43:29 PM

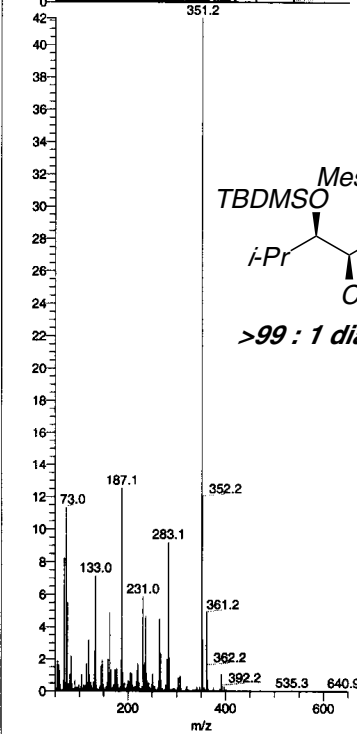
Administrator
RT: 28.32 - 30.64NL:
2.03E7
TIC MS
ICIS
jmt-iii-
181ckaw05
310119_145
634jmt-iii-
181ckaw05310119_145634#20
37 RT: 28.47 AV: 1 NL:
1.38E4 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]jmt-iii-
181ckaw05310119_145634#21
19 RT: 29.49 AV: 1 NL:
1.92E6 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]jmt-iii-
181ckaw05310119_145634#21
36 RT: 29.71 AV: 1 NL:
5.30E4 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]jmt-iii-
181ckaw05310119_145634#21
64 RT: 30.06 AV: 1 NL:
1.40E5 T: (0,0) + c EI
det=350.00 Full ms [
50.00-650.00]

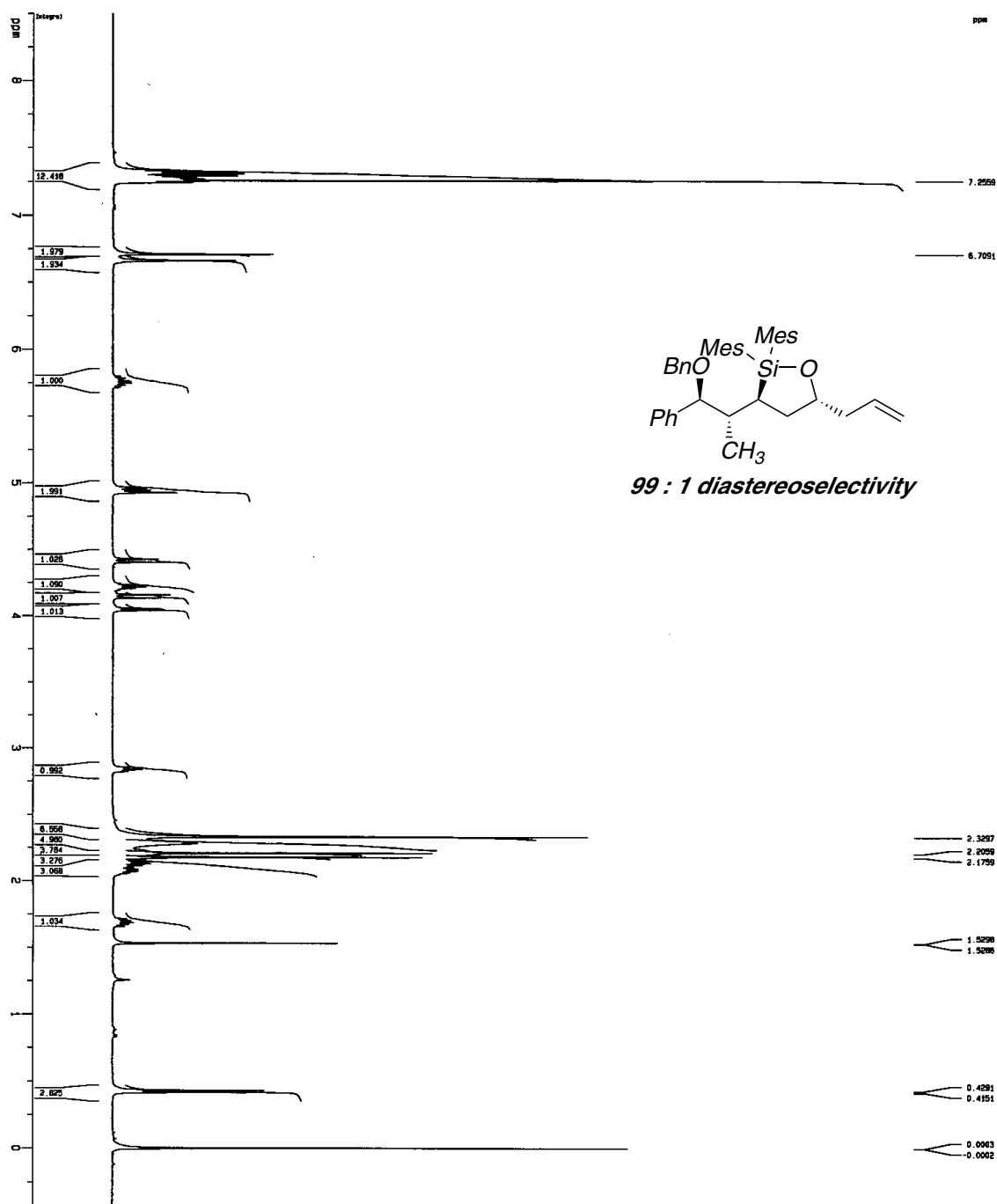
jmt-iv-15ckaw05080013_173110

05/08/02 11:20:04 PM

Administrator
RT: 25.25 - 27.17NL:
1.49E8
TIC MS
ICIS
jmt-iv-
15ckaw050
80013_1731
10jmt-iv-
15ckaw05080013_173110#1837-
1850 RT: 25.97-26.13 AV: 14
NL: 4.96E6 T: [0,0] + c EI
del=350.00 Full ms [
50.00-650.00]jmt-iv-
15ckaw05080013_173110#1856
RT: 26.20 AV: 1 NL: 2.07E6 T:
[0,0] + c EI del=350.00 Full ms [
50.00-650.00]

>99 : 1 diastereoselectivity





^1H NMR Spectra.