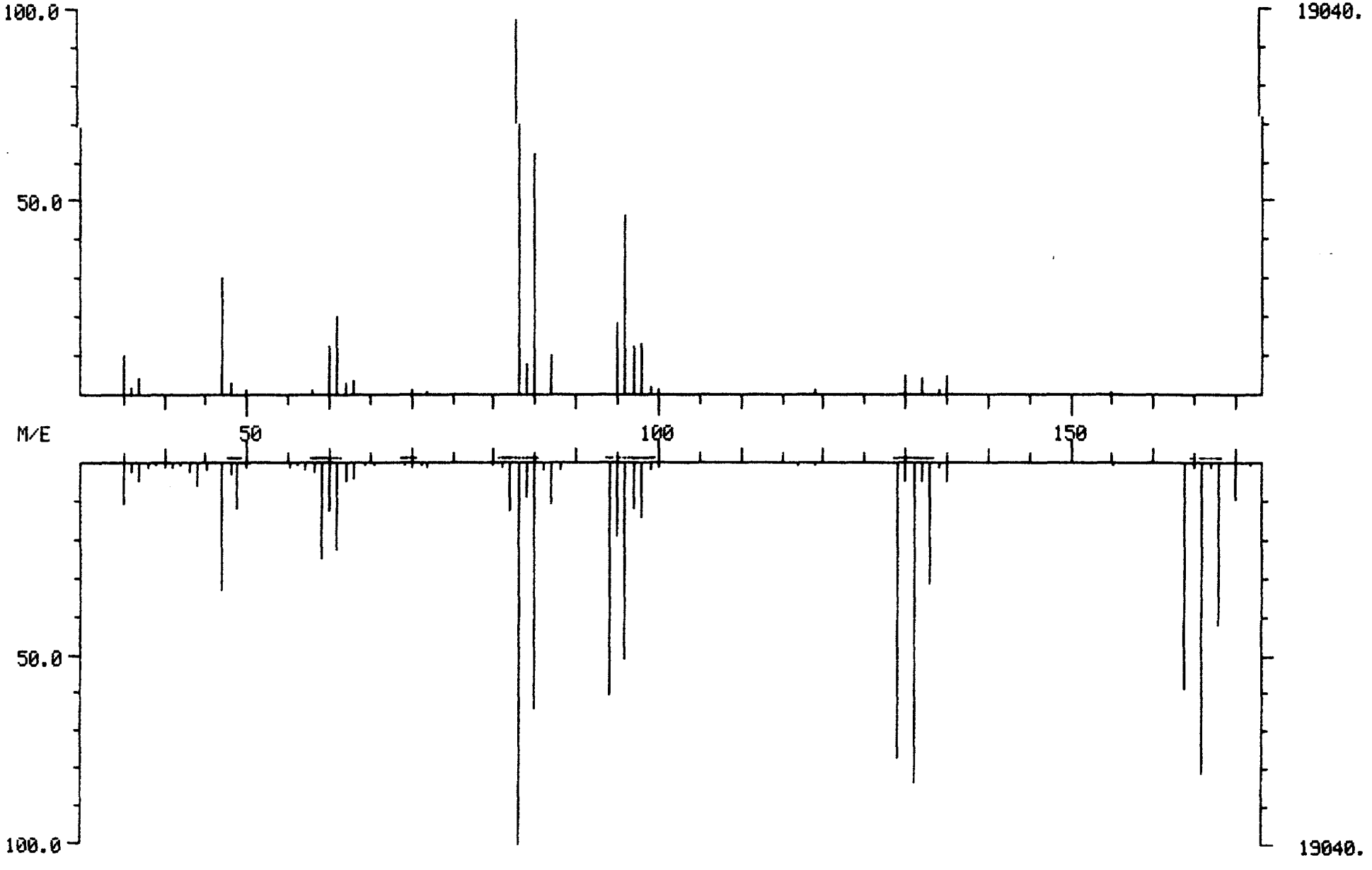
139513

# 49

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 25:27
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

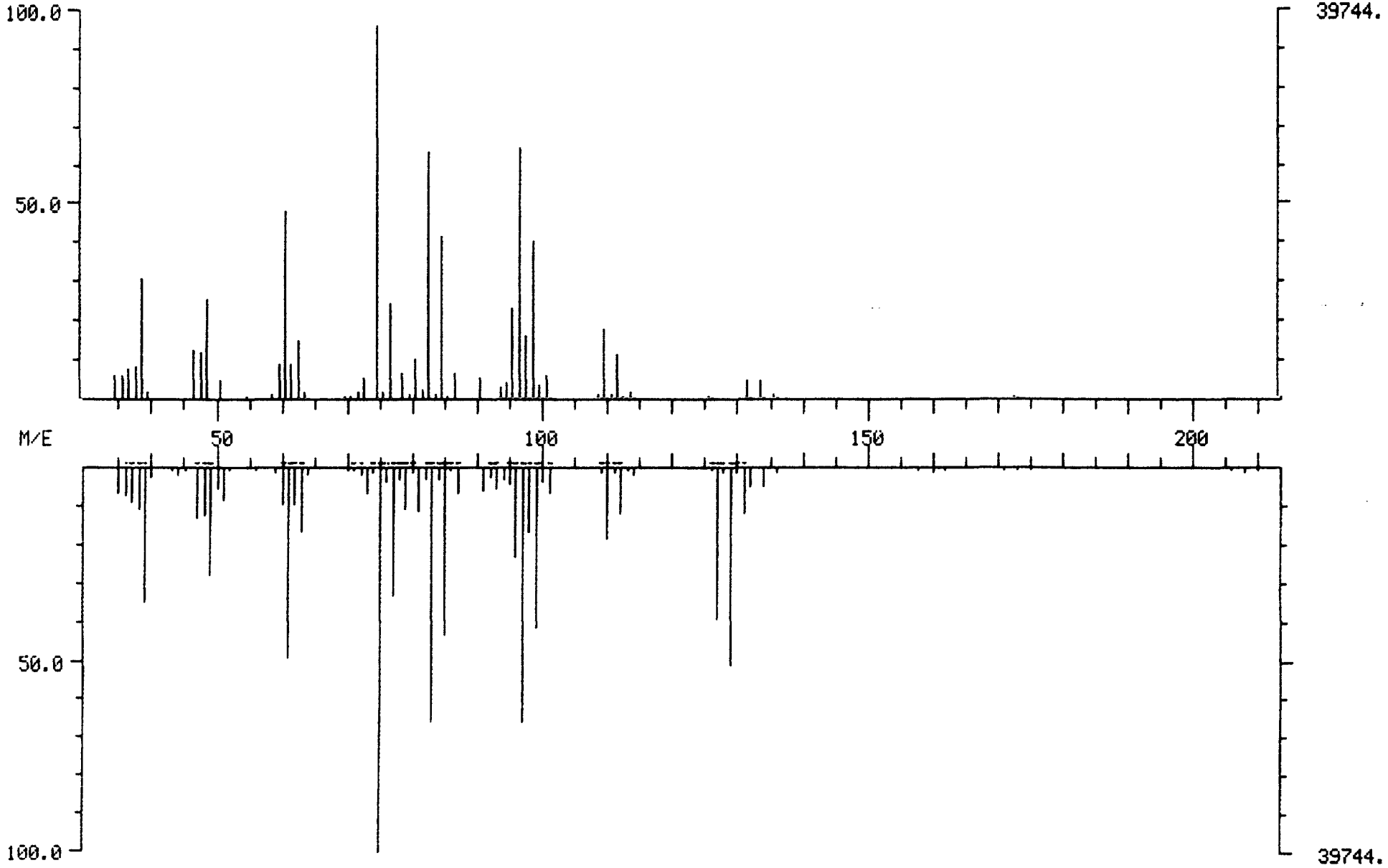
DATA: EPAVOA869 #745 BASE M/E: 83/ 83
CALI: EPAVOA869 #1 RIC: 72447./ 176383.



#26

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 20:22
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #596 BASE M/E: 75/ 75
CALI: EPAVOA869 #1 RIC: 268799./ 339967.

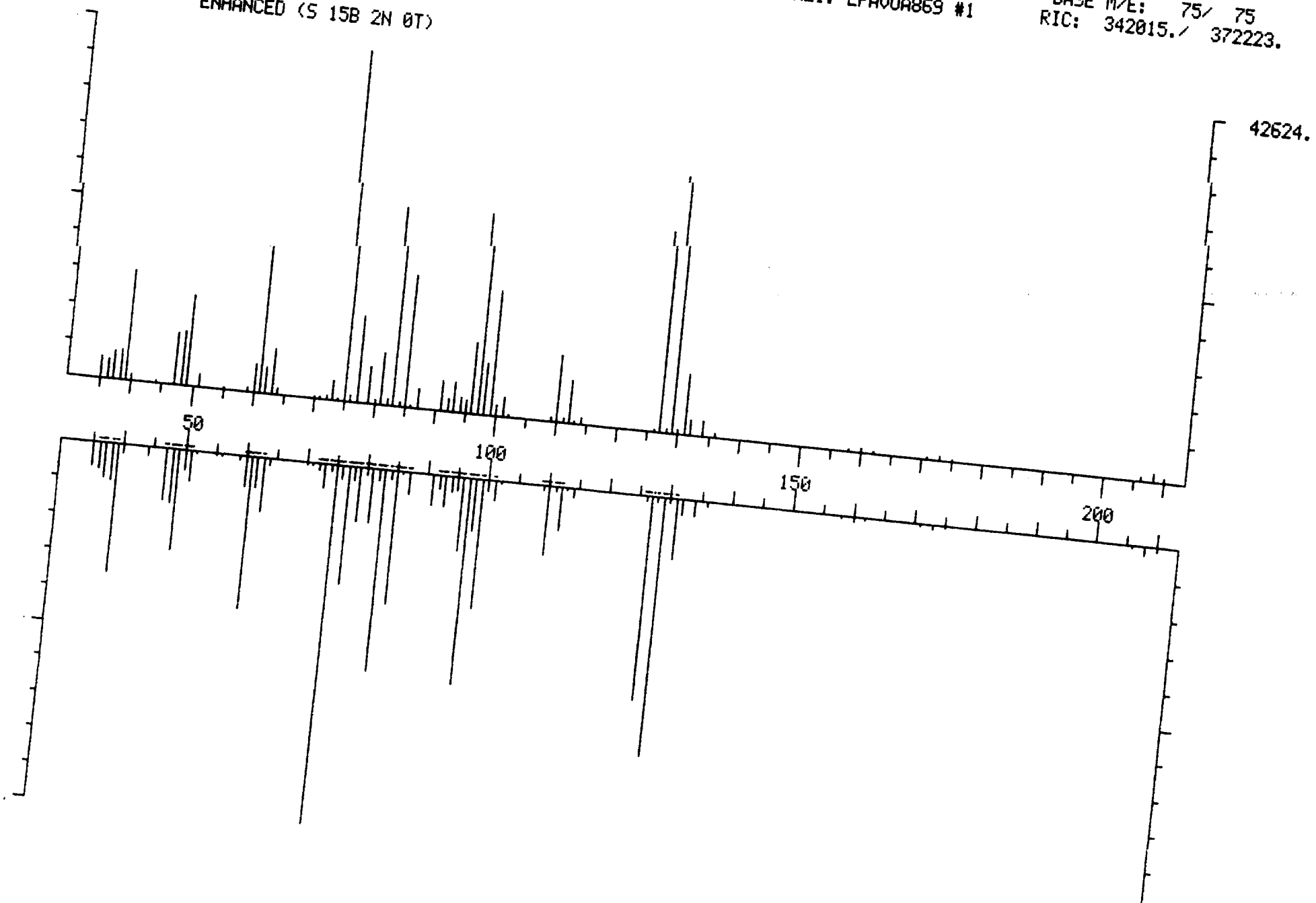


#27

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 20:20
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #595
CALI: EPAVOA869 #1

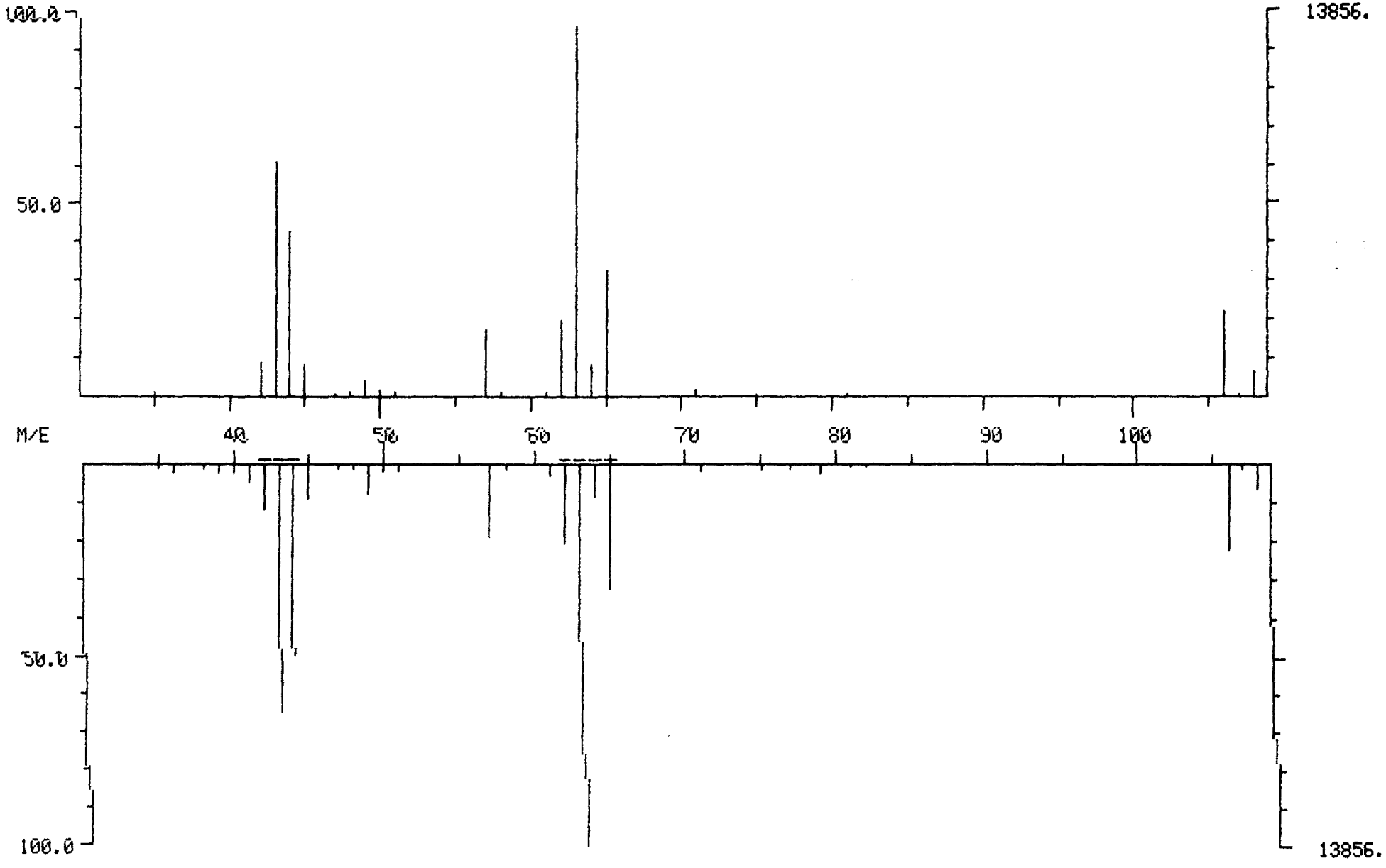
BASE M/E: 75/ 75
RIC: 342015./ 372223.



DUAL MASS SPECTRUM
02/26/84 10:02:00 + 21:23
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#28

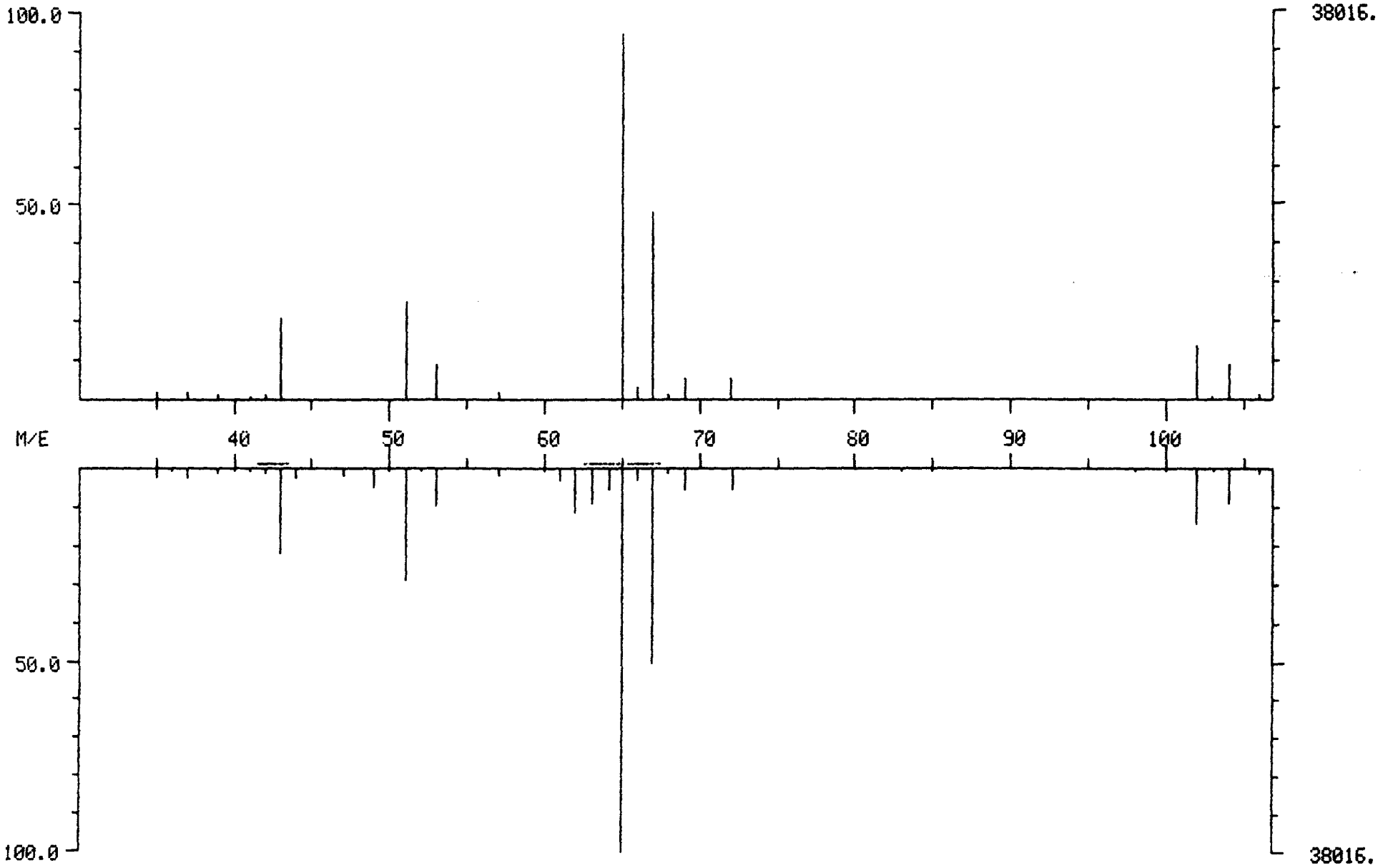
DATA: EPAVOA869 #626 BASE M/E: 63/ 63
CALI: EPAVOA869 #1 RIC: 47103./ 53311.



#30

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 14:54
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #436 BASE M/E: 65/ 65
CALI: EPAVOA869 #1 RIC: 92671./ 114559.

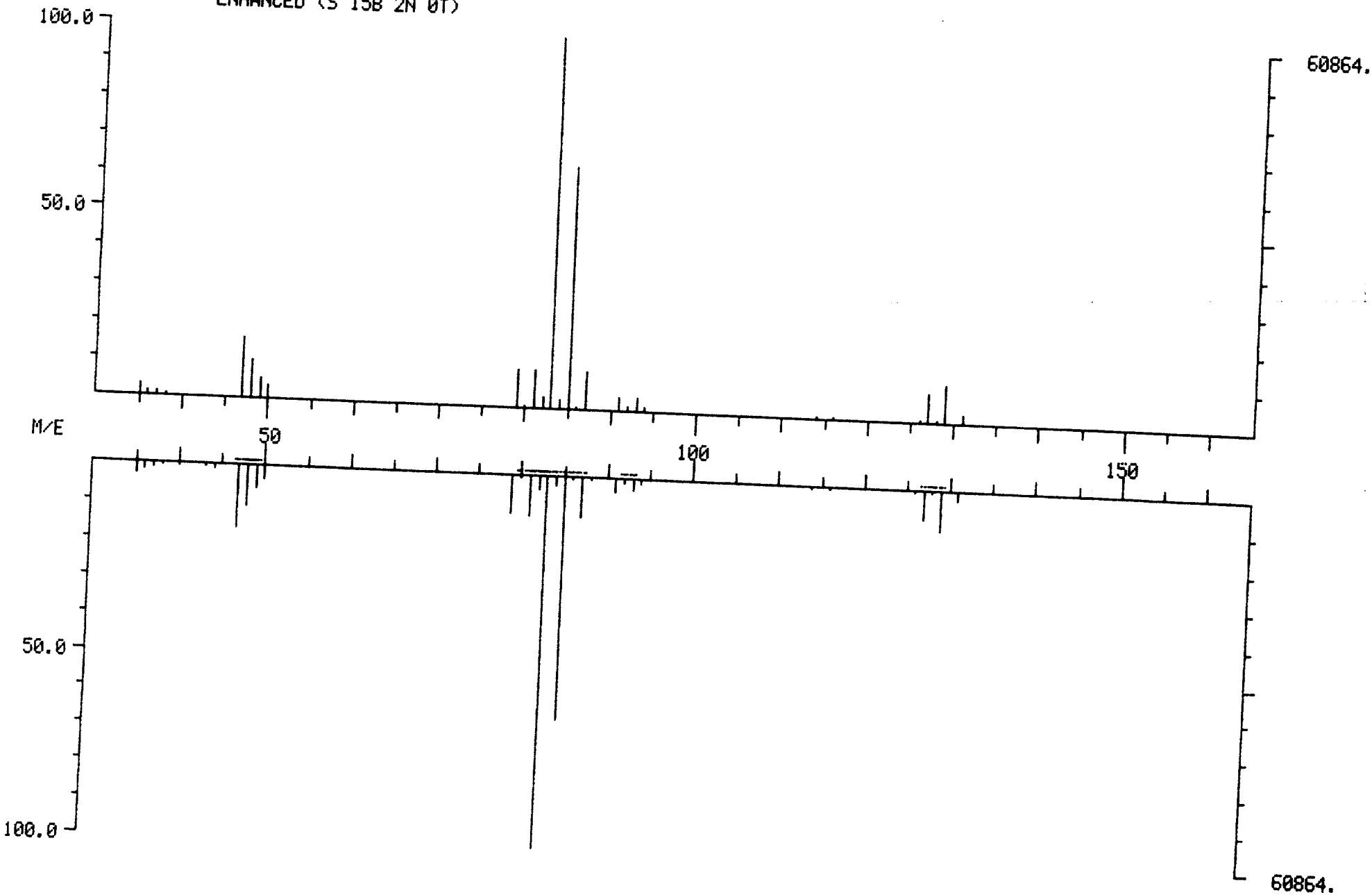


DUAL MASS SPECTRUM
02/26/84 10:02:00 + 17:21
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#31

DATA: EPAVOA869 #508
CALI: EPAVOA869 #1

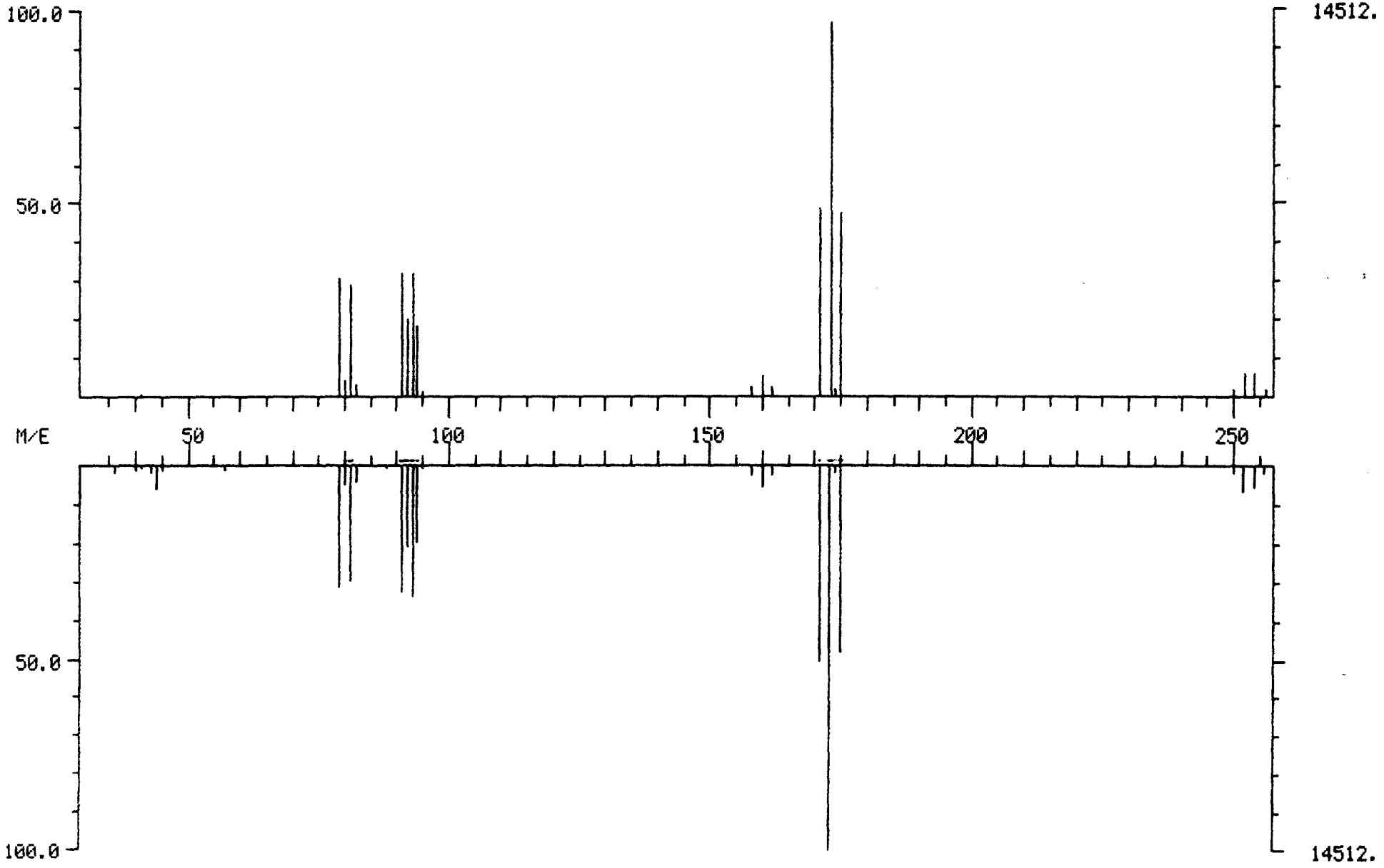
BASE M/E: 83/ 83
RIC: 165119./ 171775.



#29

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 23:06
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

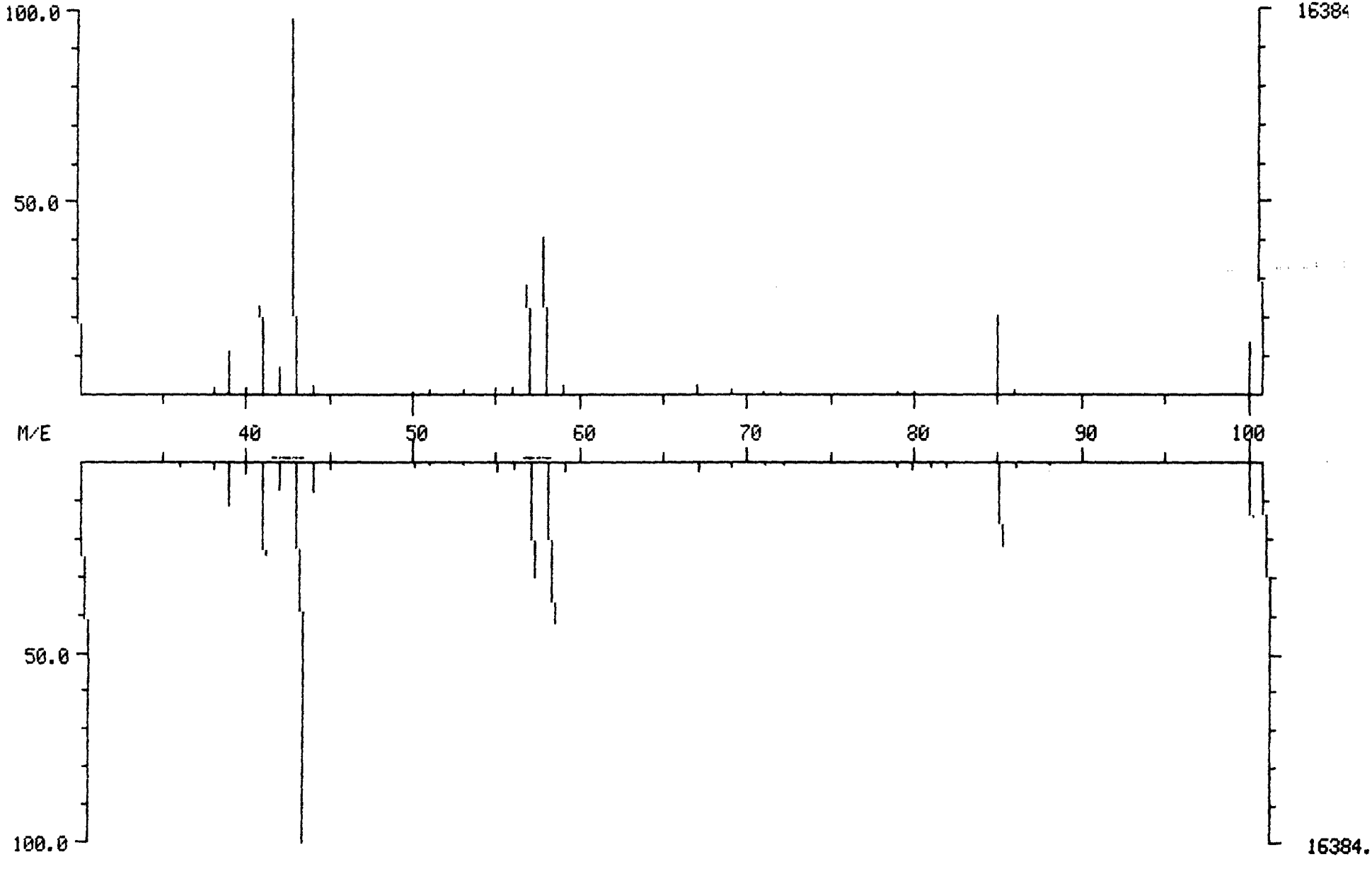
DATA: EPAVOA869 #676 BASE M/E: 173/ 173
CALI: EPAVOA869 #1 RIC: 56511./ 60479.



DUAL MASS SPECTRUM
02/26/84 10:02:00 + 23:30
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#32

DATA: EPAVOA869 #688 BASE M/E: 43/ 43
CALI: EPAVOA869 #1 RIC: 43071./ 46975.

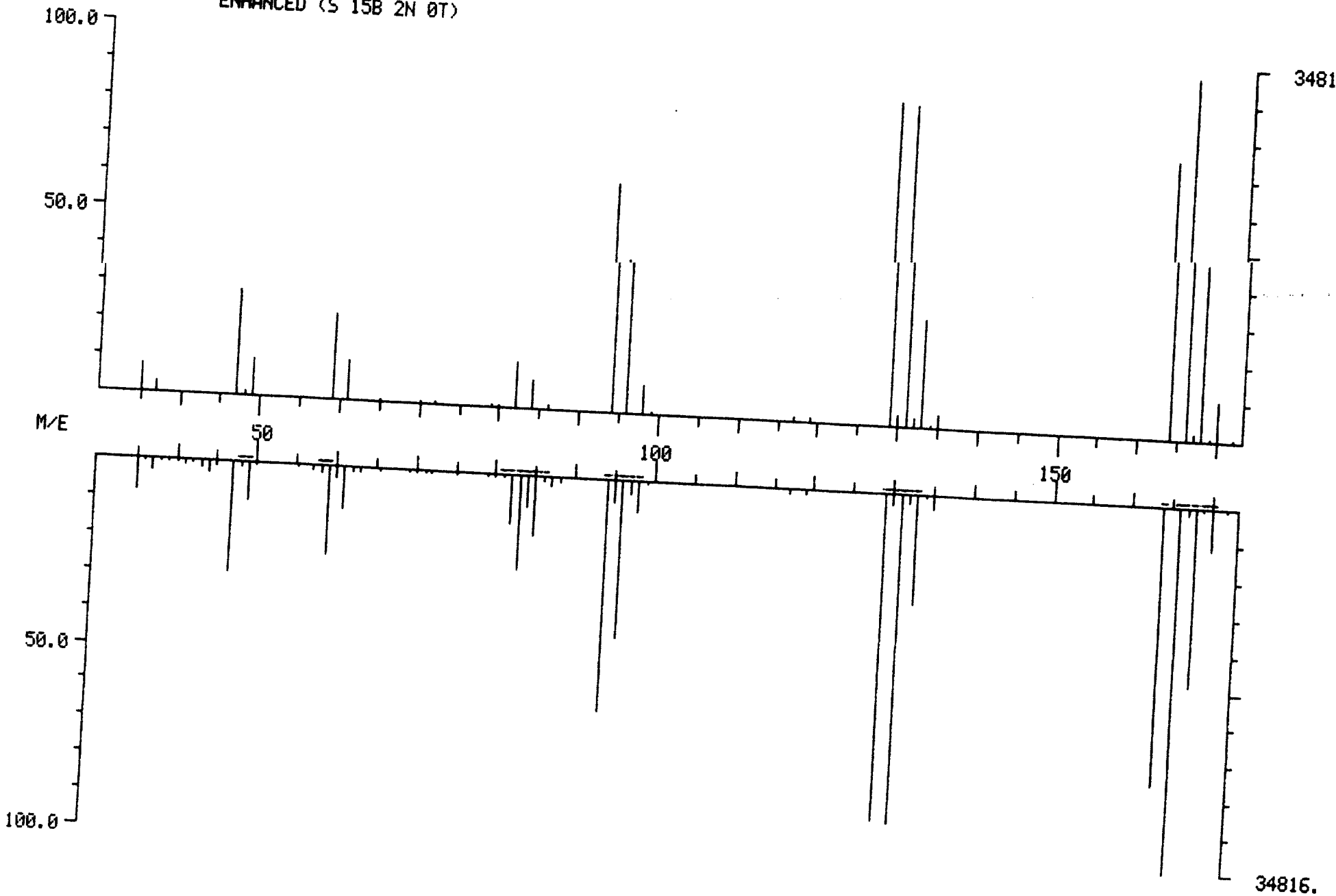


DUAL MASS SPECTRUM
02/26/84 10:02:00 + 25:21
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#38

DATA: EPAVOA869 #742
CALI: EPAVOA869 #1

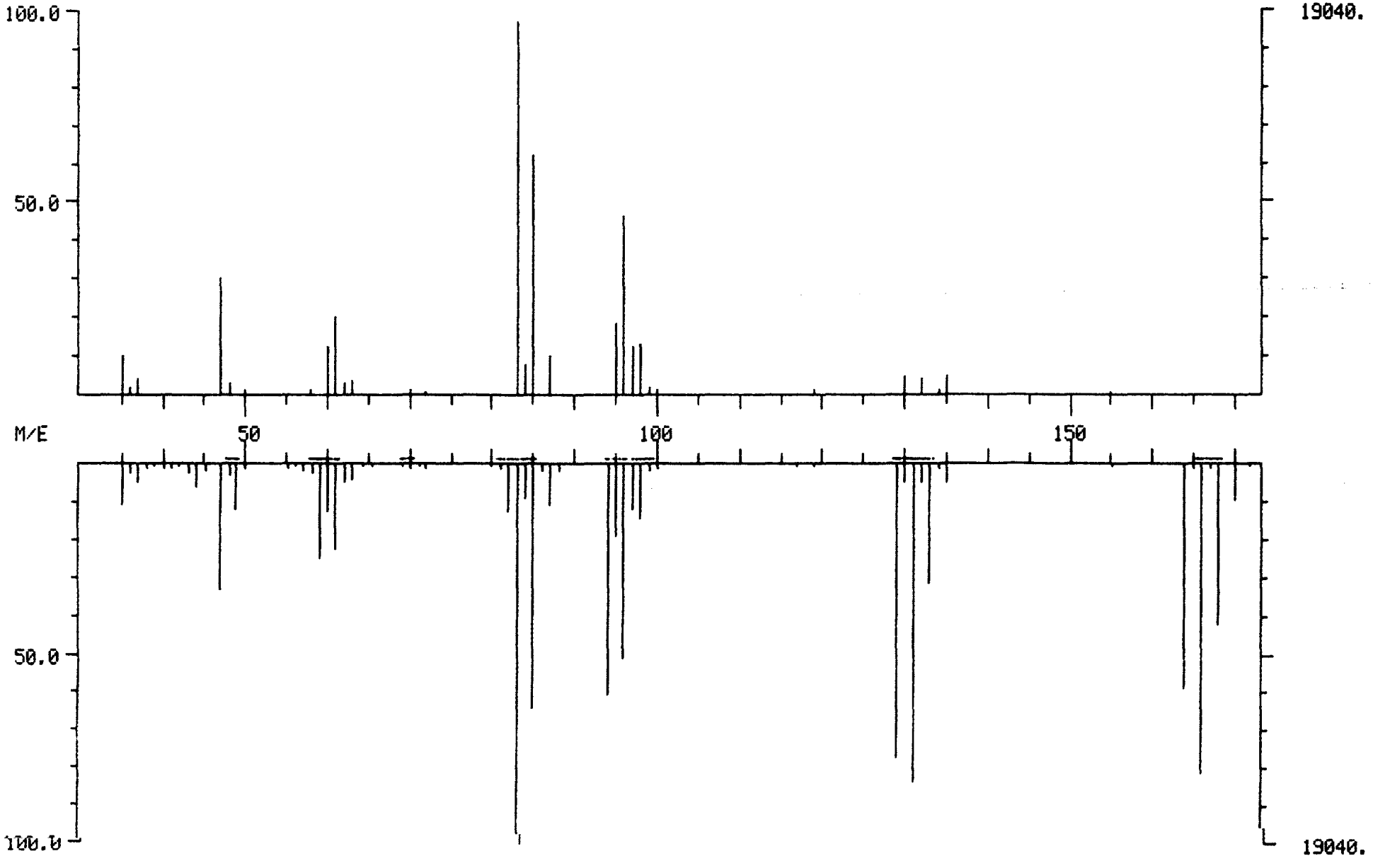
BASE M/E: 166/ 166
RIC: 232447./ 264191.



#39

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 25:27
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #745 BASE M/E: 83/ 83
CALI: EPAVOA869 #1 RIC: 72447./ 176383.

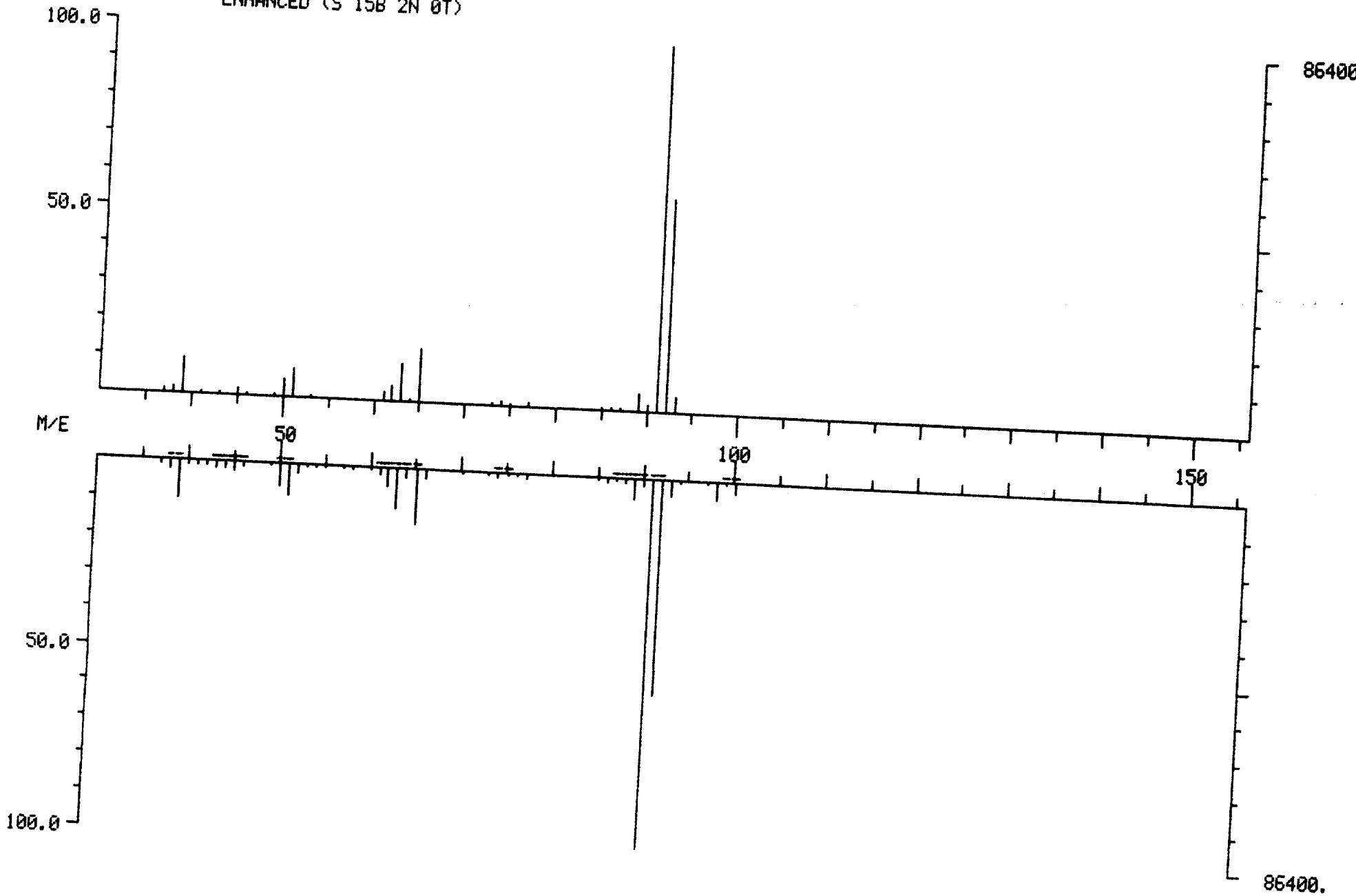


DUAL MASS SPECTRUM
02/26/84 10:02:00 + 26:43
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#40

DATA: EPAVOA869 #782
CALI: EPAVOA869 #1

BASE M/E: 91/ 91
RIC: 201215./ 236287.

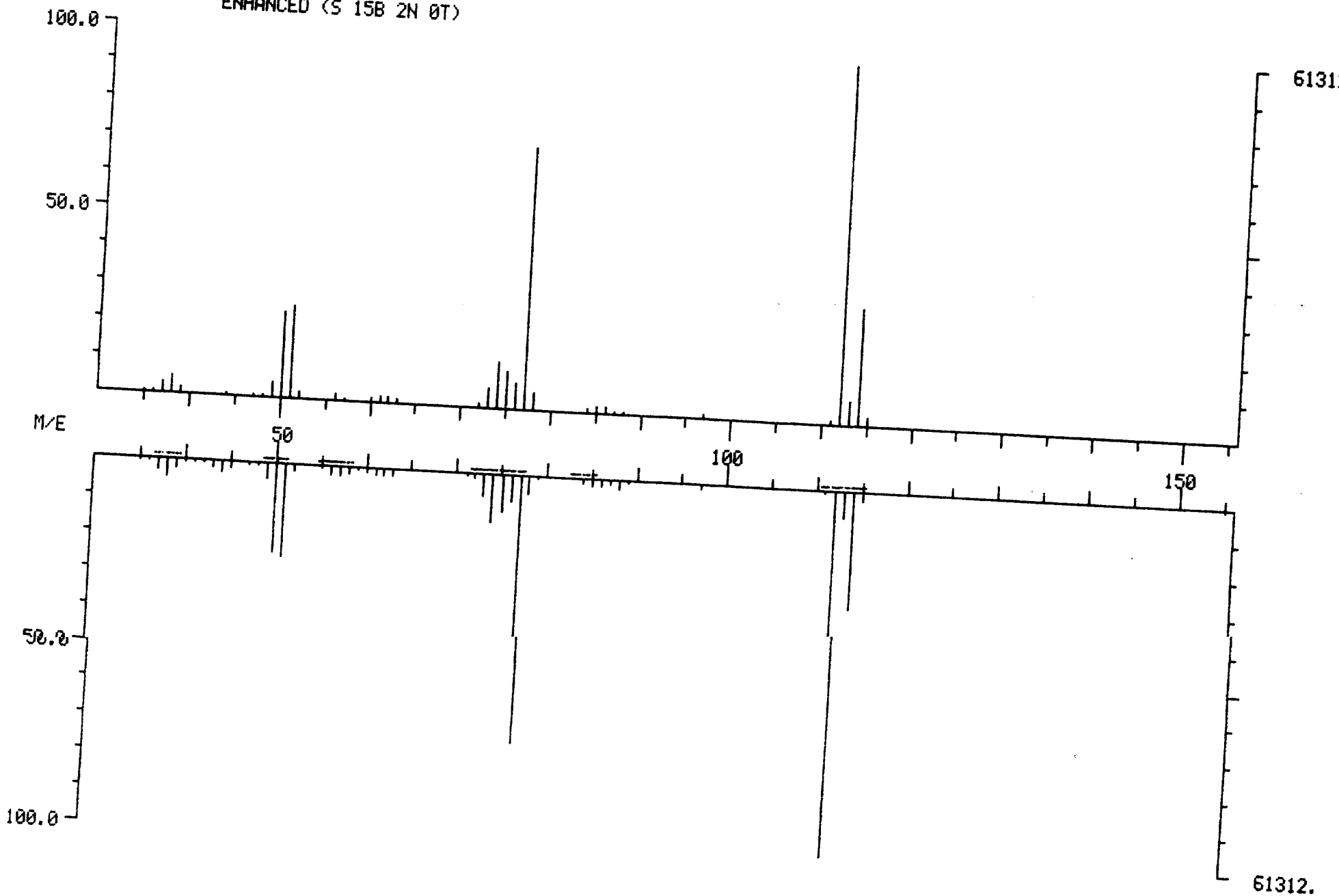


#41

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 27:57
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #818
CALI: EPAVOA869 #1

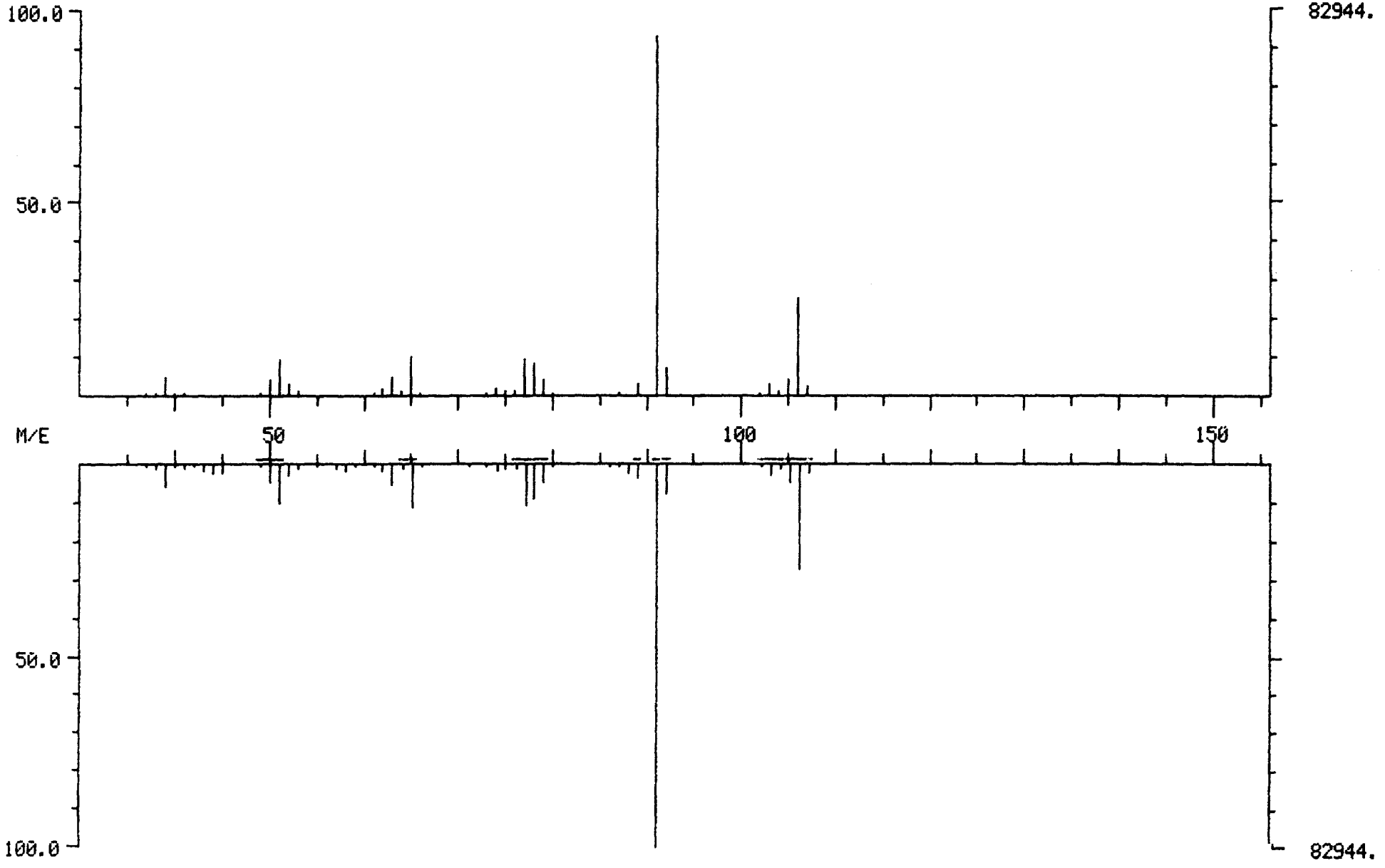
BASE M/E: 112/ 112
RIC: 203007./ 221439.



#42

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 30:06
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #881 BASE M/E: 91/ 91
CALI: EPAVOA869 #1 RIC: 176895./ 204799.

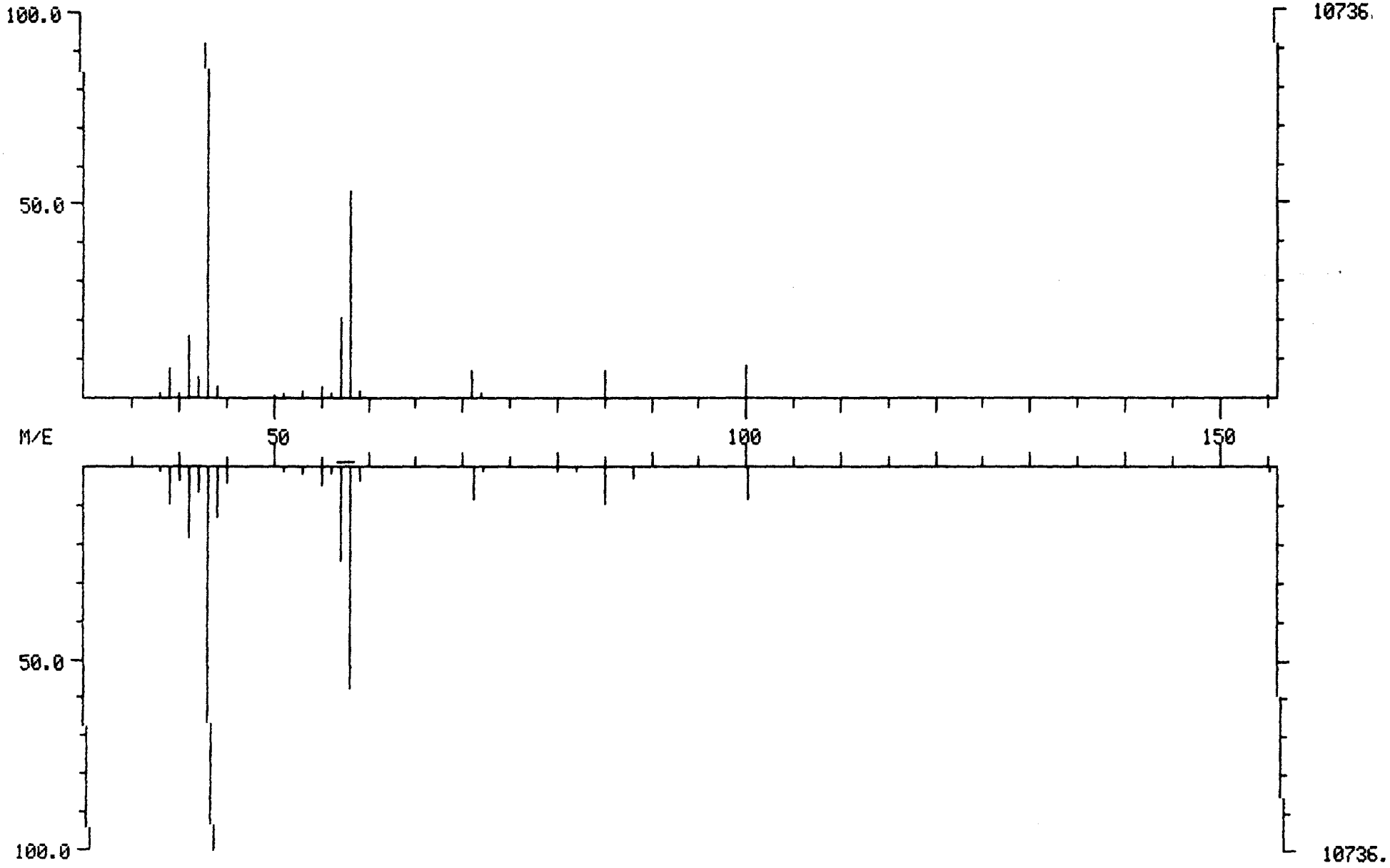


DUAL MASS SPECTRUM
02/26/84 10:02:00 + 25:05
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

#43

DATA: EPAVOA869 #734
CALI: EPAVOA869 #1

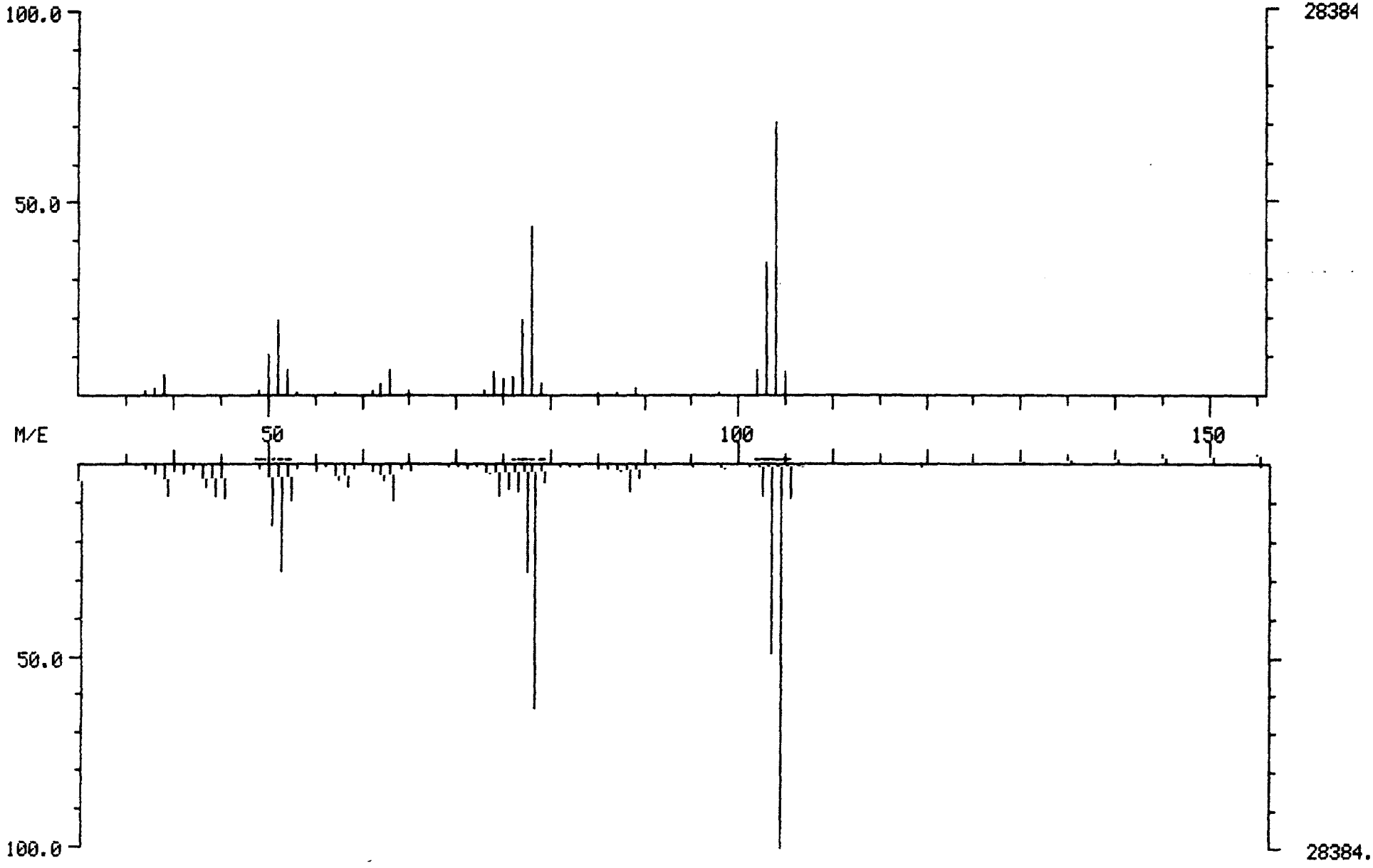
BASE M/E: 43/ 43
RIC: 25151./ 30303.



#44

DUAL MASS SPECTRUM
02/26/84 10:02:00 + 34:14
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA869 #1002  BASE M/E: 104/ 104
CALI: EPAVOA869 #1  RIC: 74495./ 124927.

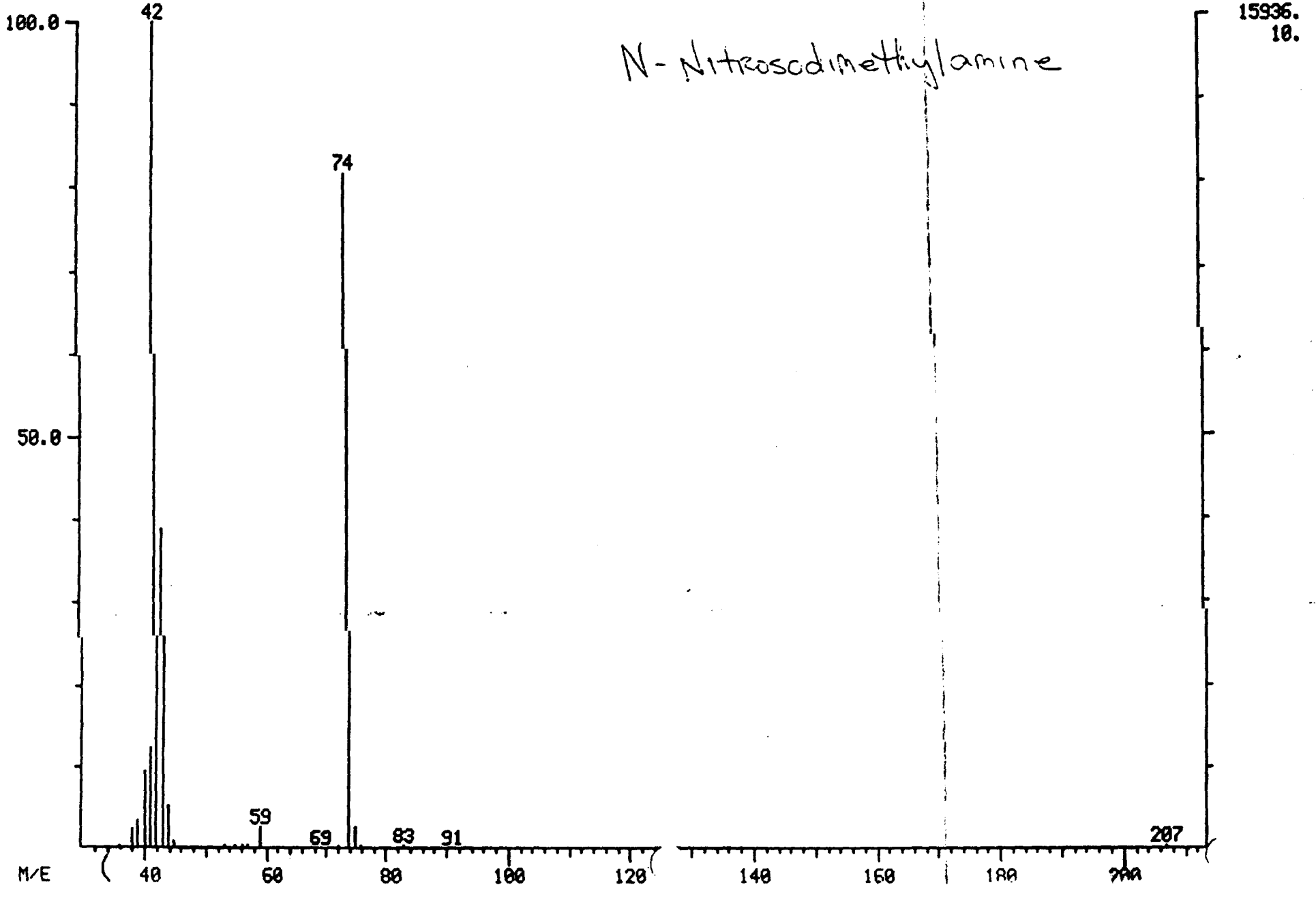


Compound 5

MASS SPECTRUM
08/05/82 15:29:00 + 5:51
SAMPLE: B/N SUPELCO MIX 4, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN096 #334

BASE M/E: 42
RIC: 41664.




N-Nitrosodimethylamine

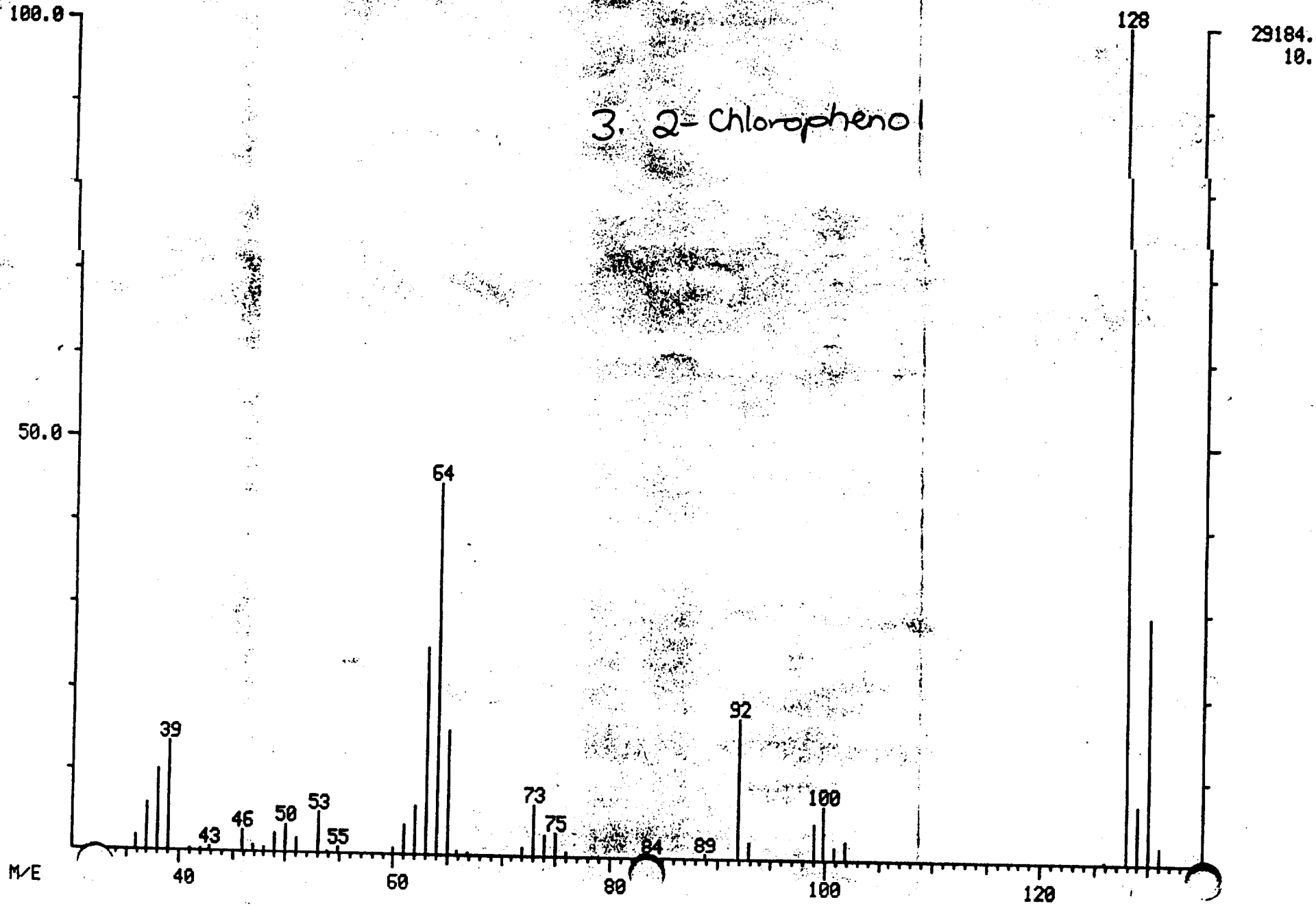
Compound 6

MASS SPECTRUM
11/17/82 14:48:00 + 10:34
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #604

BASE M/E: 128
RIC: 97536.

3. 2-Chlorophenol

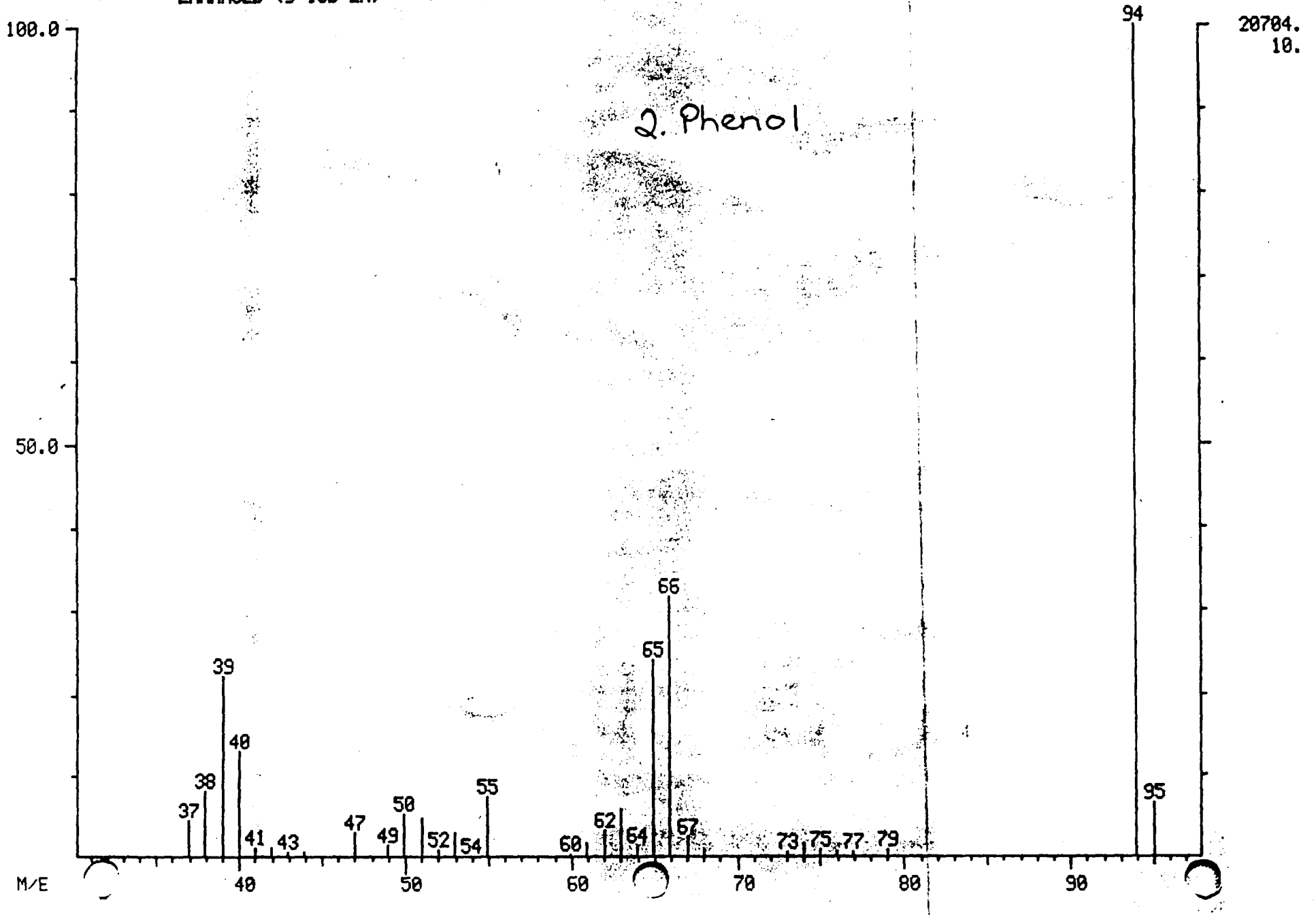


Compound 7

MASS SPECTRUM
11/17/82 14:48:00 + 10:28
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #598

BASE M/E: 94
RIC: 53696.

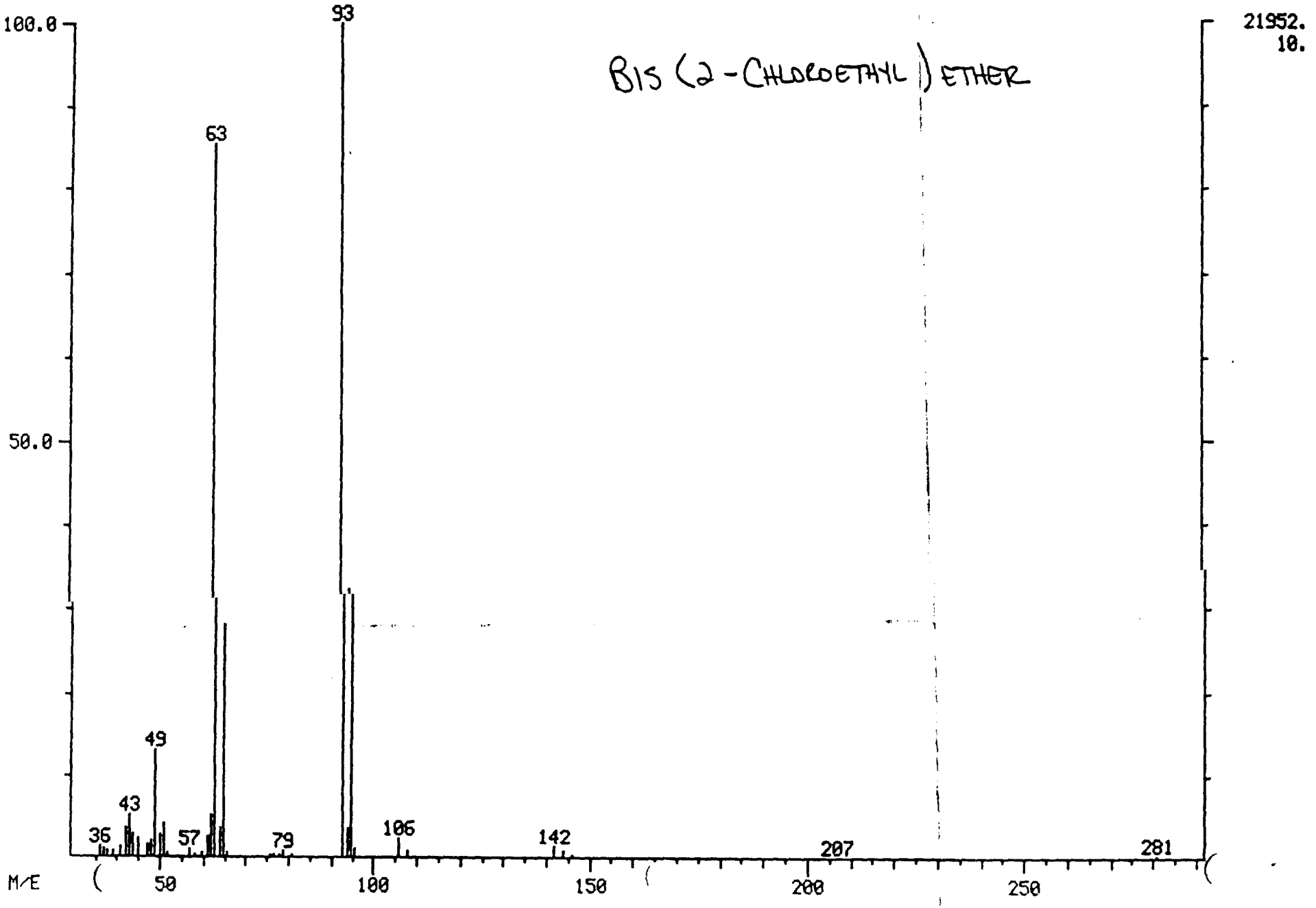


Compound 8

MASS SPECTRUM
08/05/82 11:58:00 + 12:08
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #693

BASE M/E: 93
RIC: 69248.



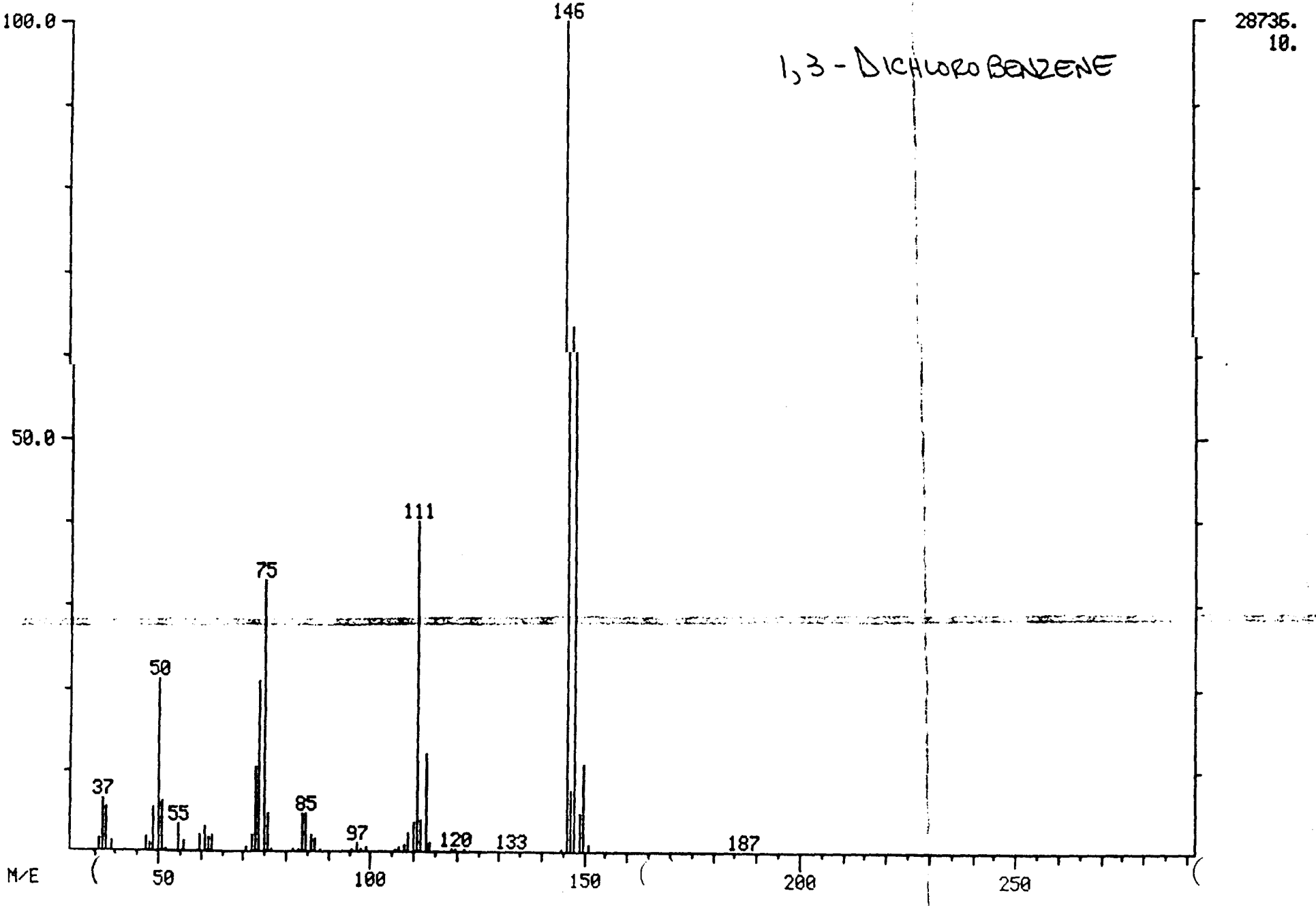

BIS (2-CHLOROETHYL) ETHER

Compound 9

MASS SPECTRUM
08/05/82 13:39:00 + 12:41
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #725

BASE M/E: 146
RIC: 117248.

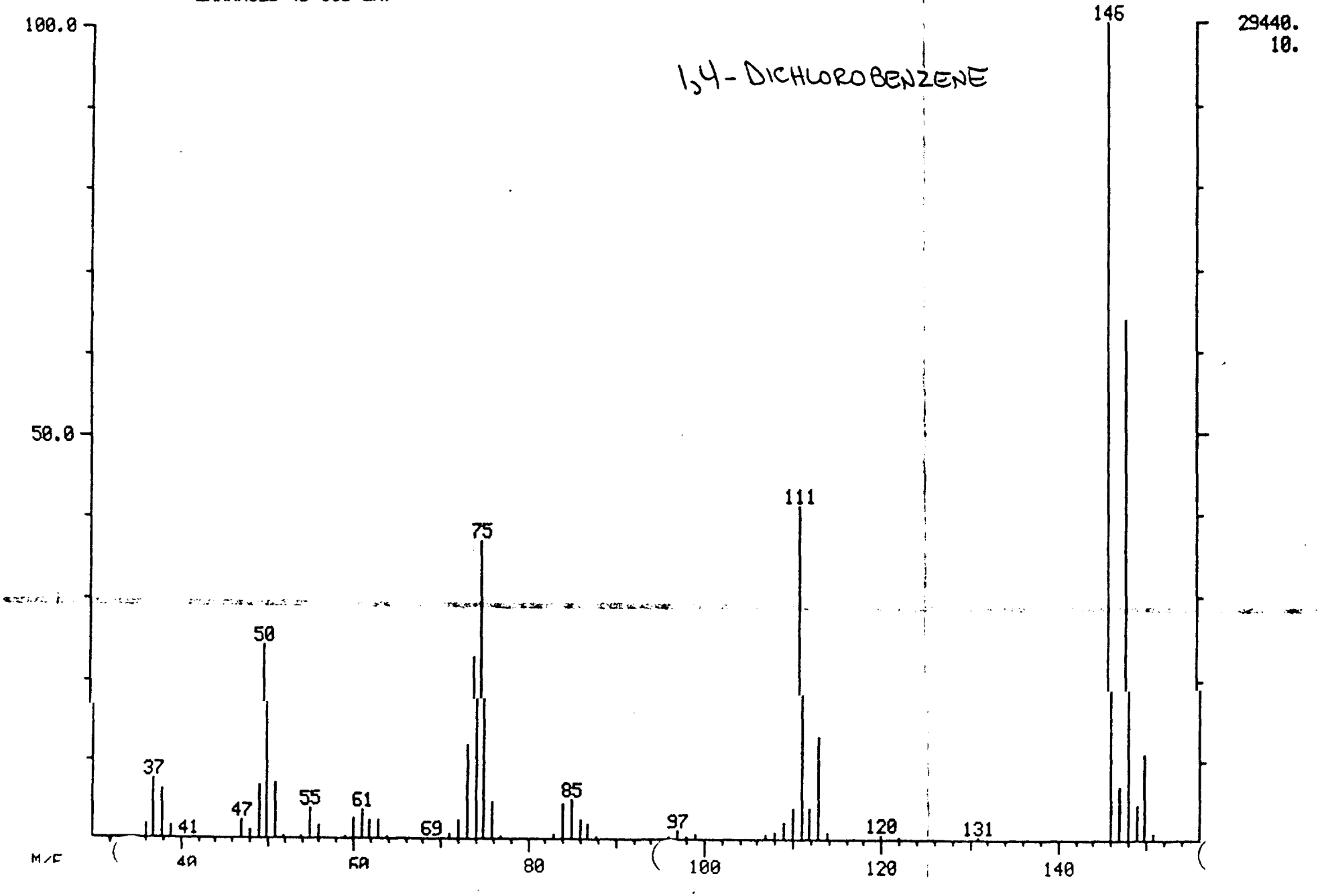


Compound 10

MASS SPECTRUM
08/05/82 11:58:00 + 12:41
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #725

BASE M/E: 146
RIC: 125440.

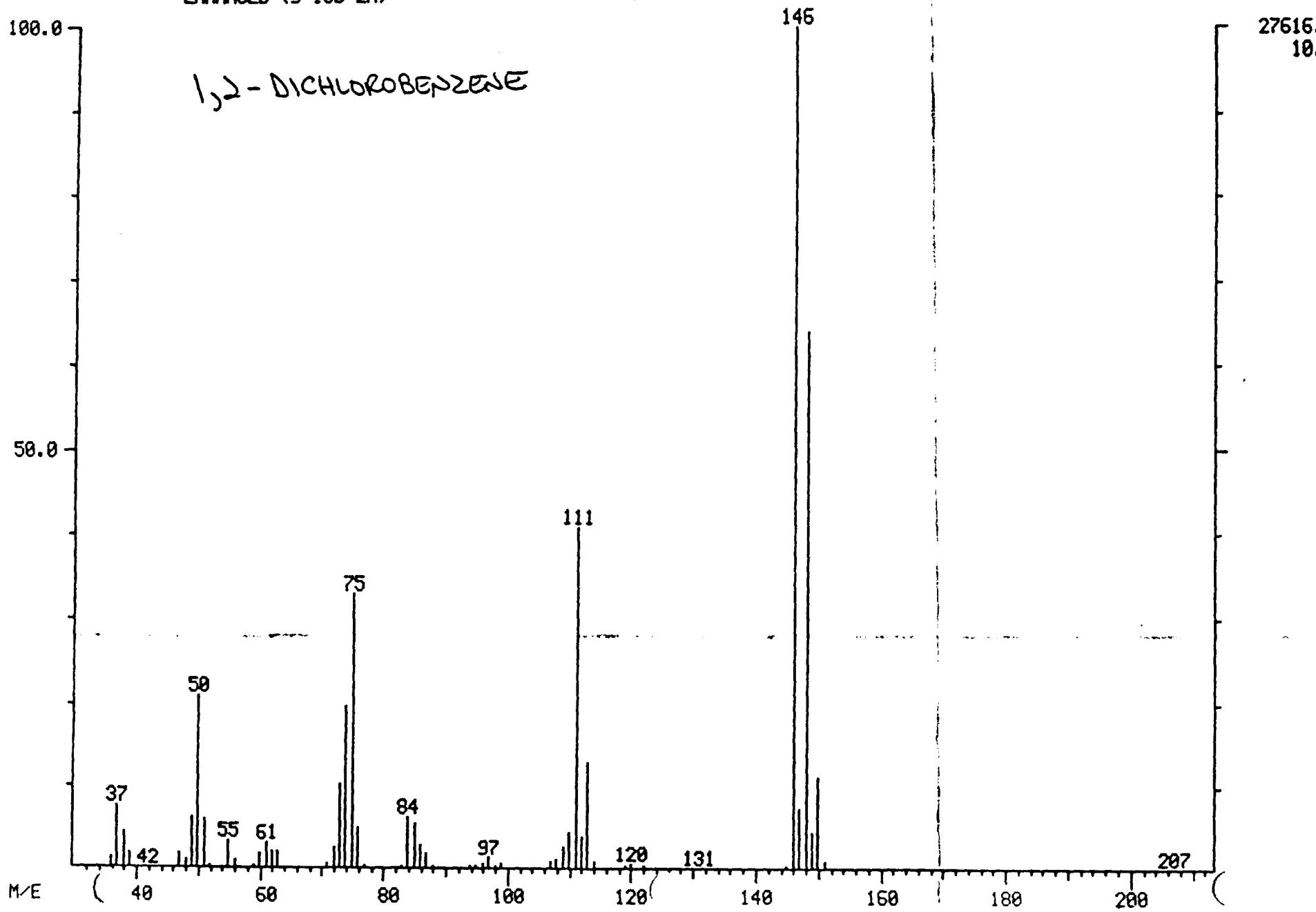


Compound 11

MASS SPECTRUM
08/05/82 13:39:00 + 13:19
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #761

BASE M/E: 146
RIC: 114432.

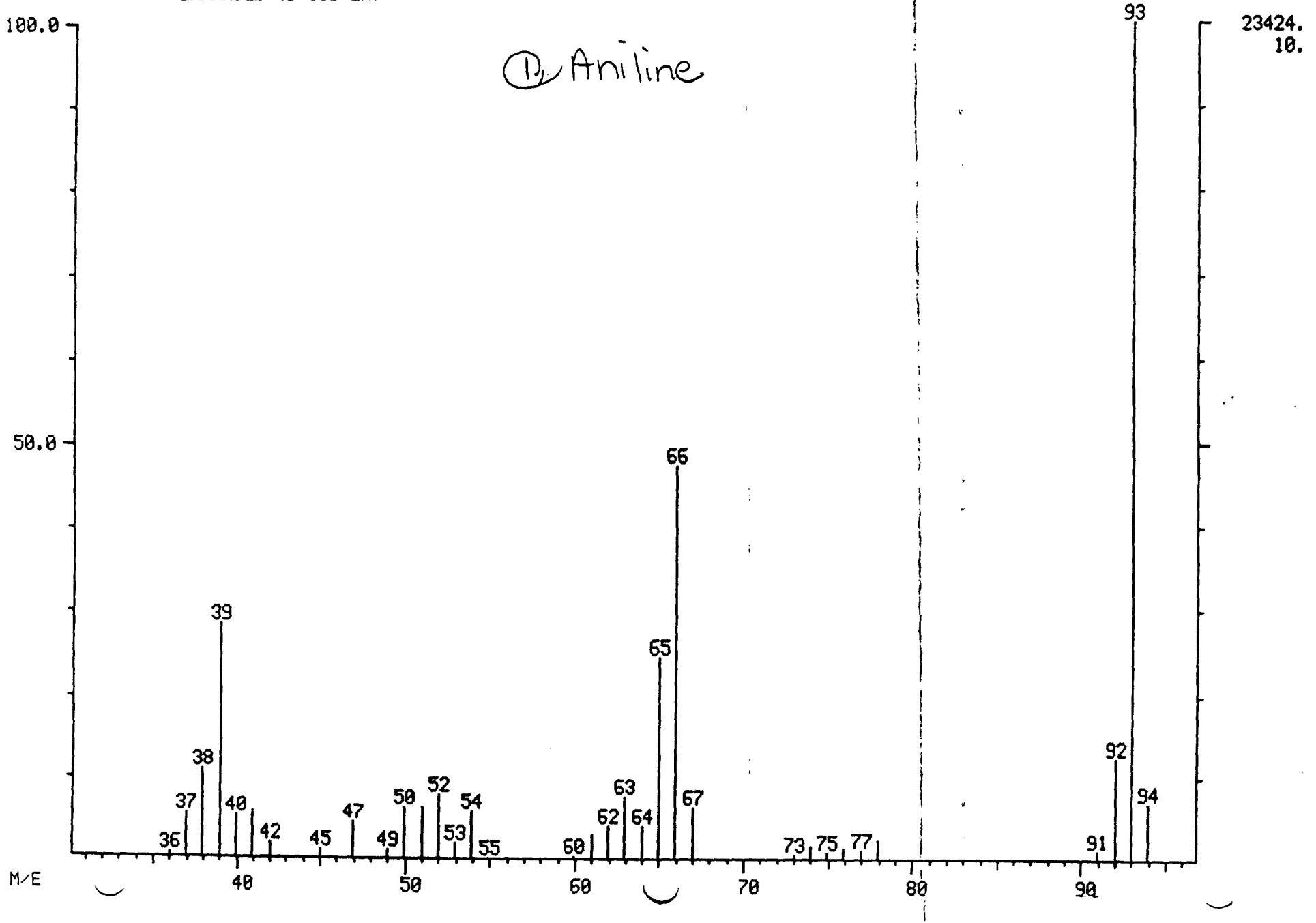


Compound 12

MASS SPECTRUM
09/14/82 17:32:00 + 10:13
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #584

BASE M/E: 93
RIC: 74496.

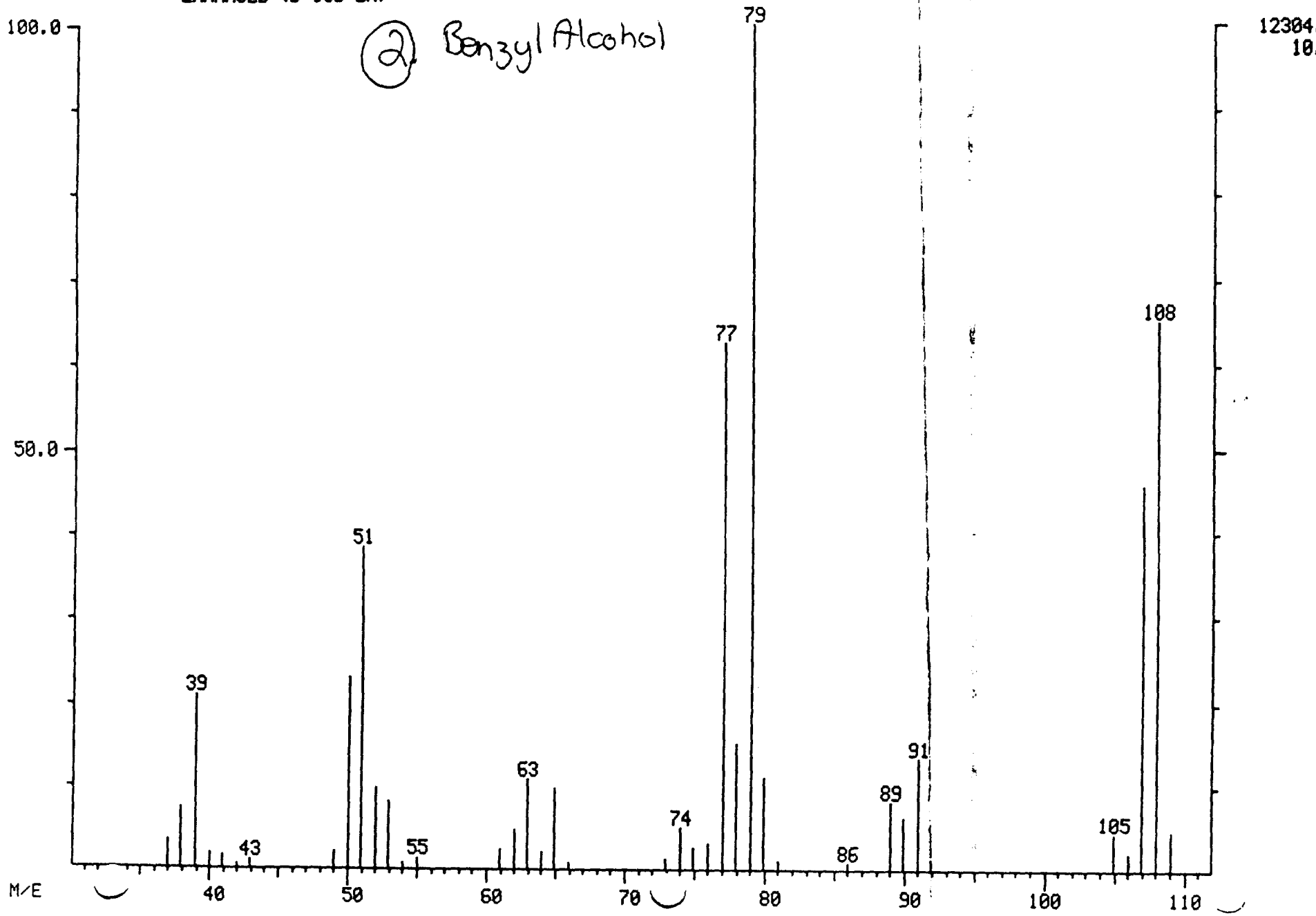


Compound 13

MASS SPECTRUM
09/14/82 17:32:00 + 11:27
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #654

BASE M/E: 79
RIC: 62080.

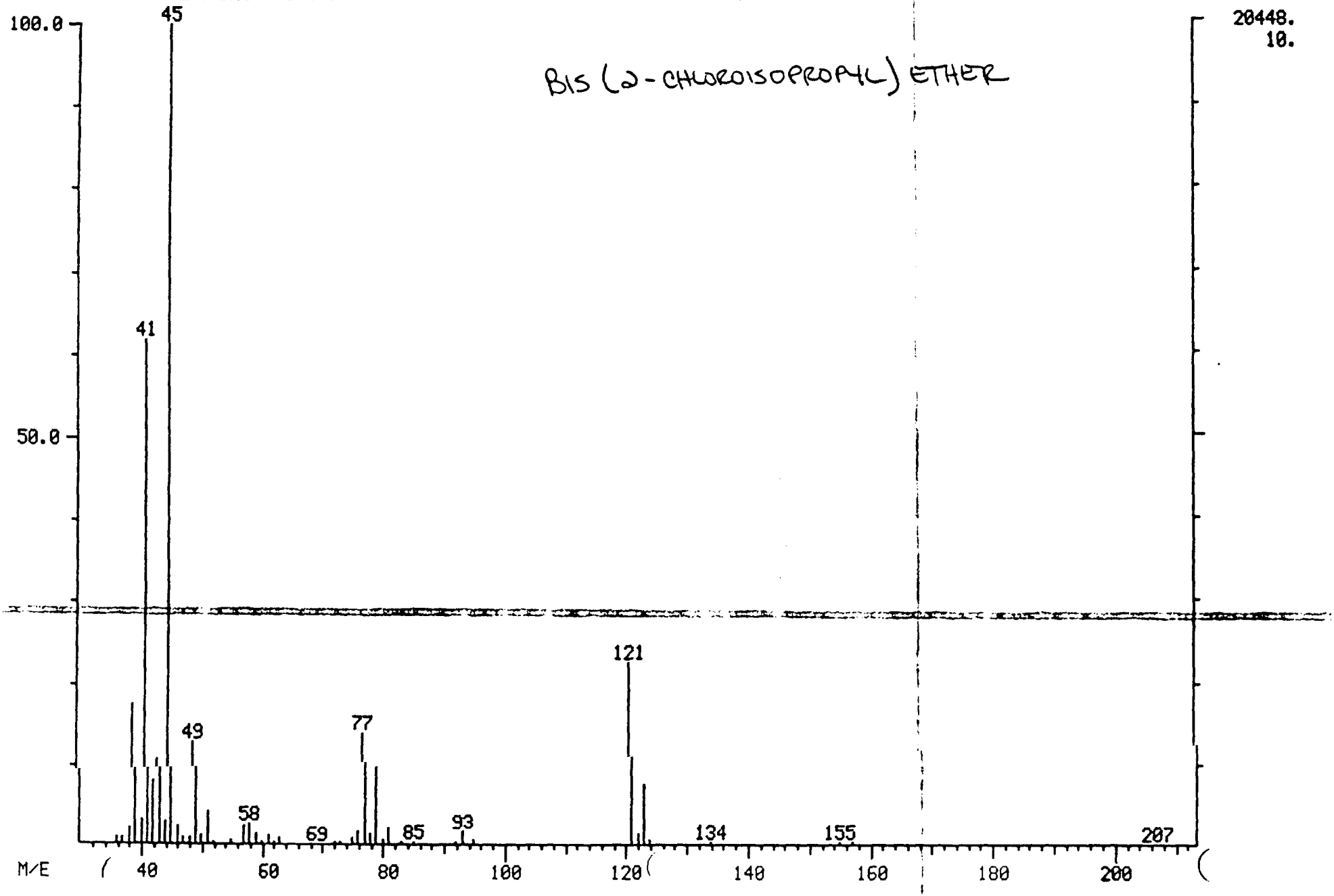


Compound 16

MASS SPECTRUM
08/05/82 11:58:00 + 13:40
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 158 2N)

DATA: ABN093 #781

BASE M/E: 45
RIC: 62336.



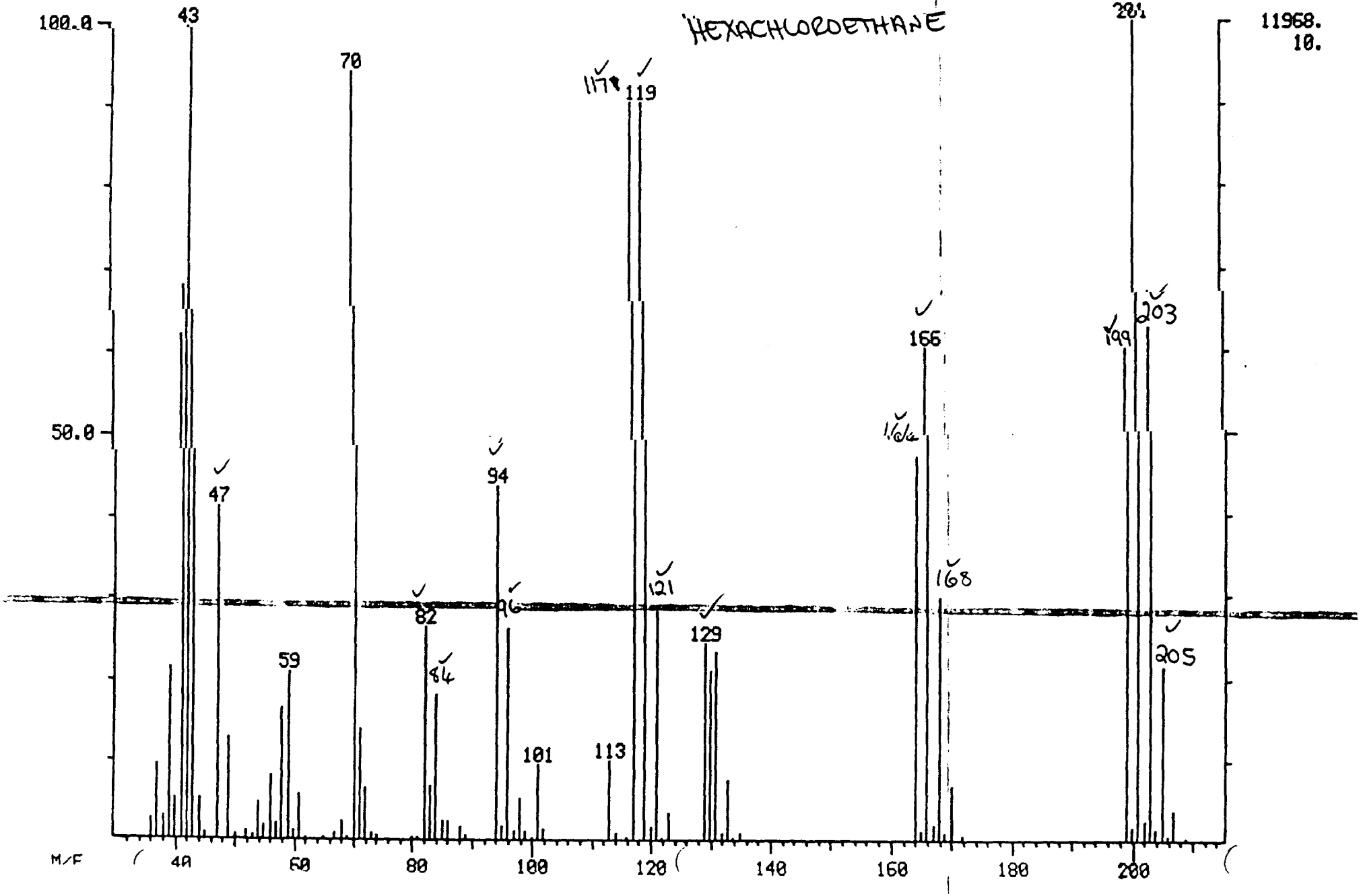

BIS (2-CHLOROISOPROPYL) ETHER

Compound 17

MASS SPECTRUM
08/05/82 14:31:00 + 14:08
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #808

BASE M/E: 201
RIC: 163584.

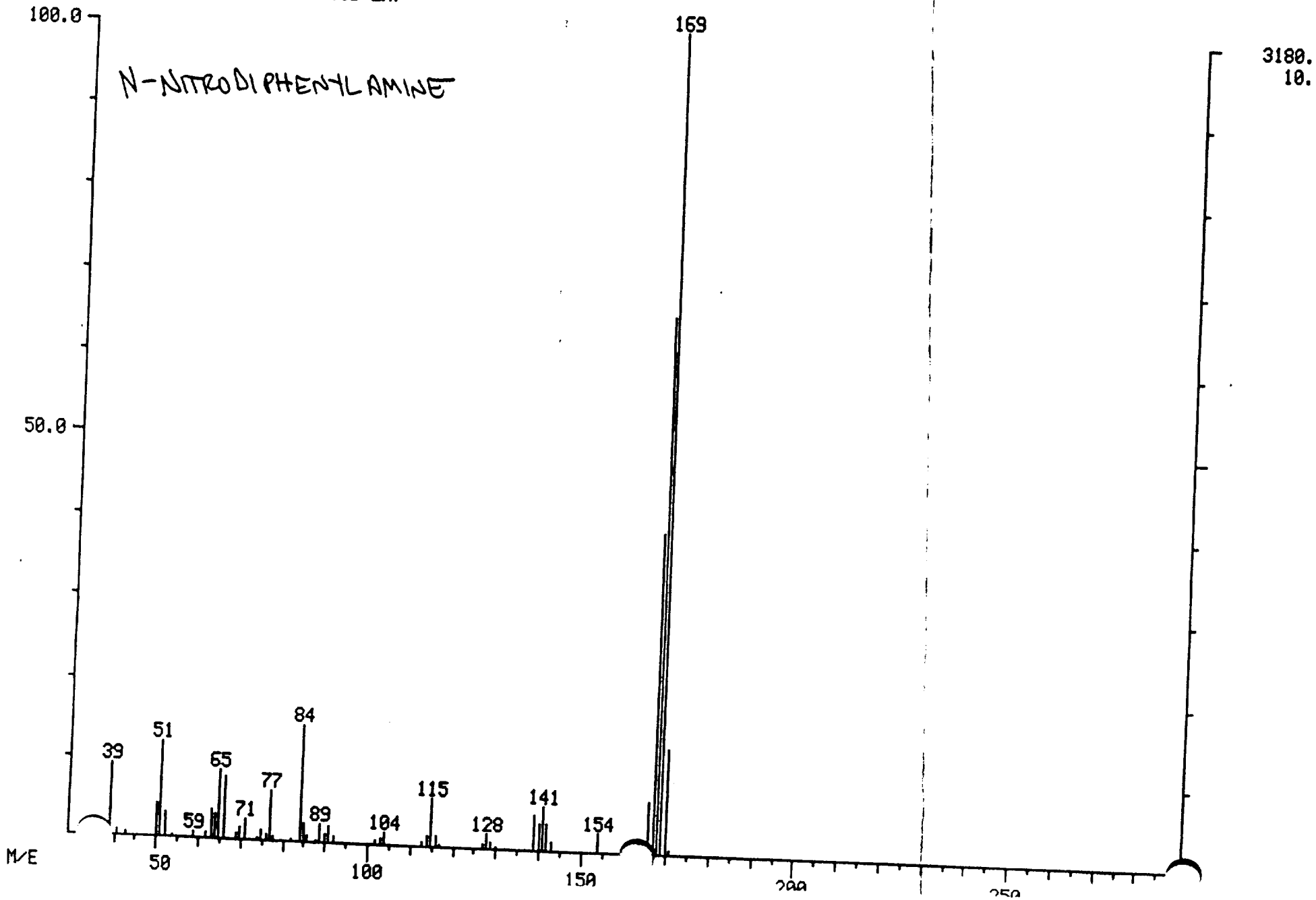


Compound 18

MASS SPECTRUM
08/05/82 14:31:00 + 22:50
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #1305

BASE M/E: 169
RIC: 11376.

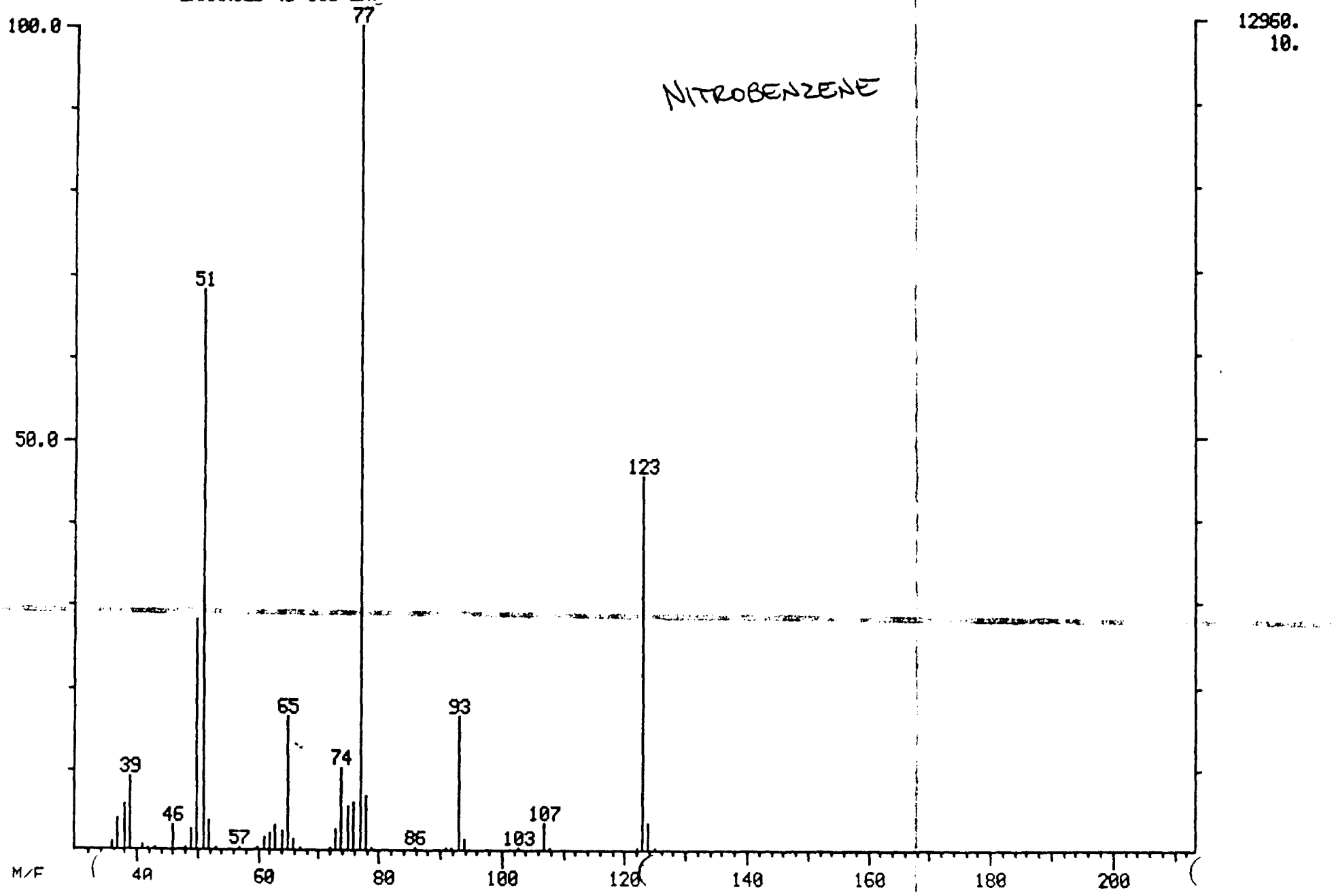


Compound 19

MASS SPECTRUM
08/05/82 11:58:00 + 14:21
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #820

BASE M/E: 77
RIC: 46592.

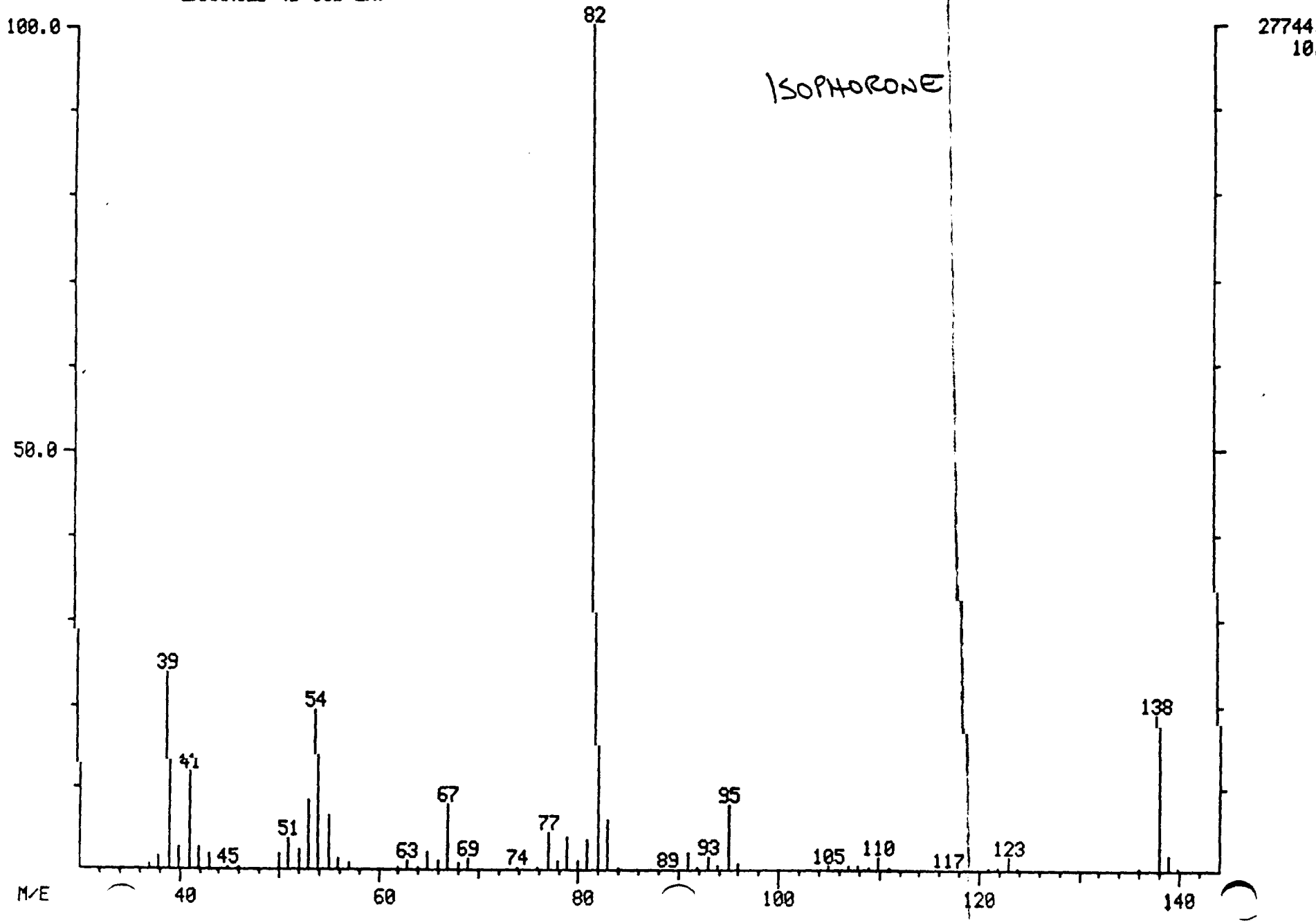


Compound 20

MASS SPECTRUM
08/05/82 14:31:00 + 15:08
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #865

BASE M/E: 82
RIC: 73600.

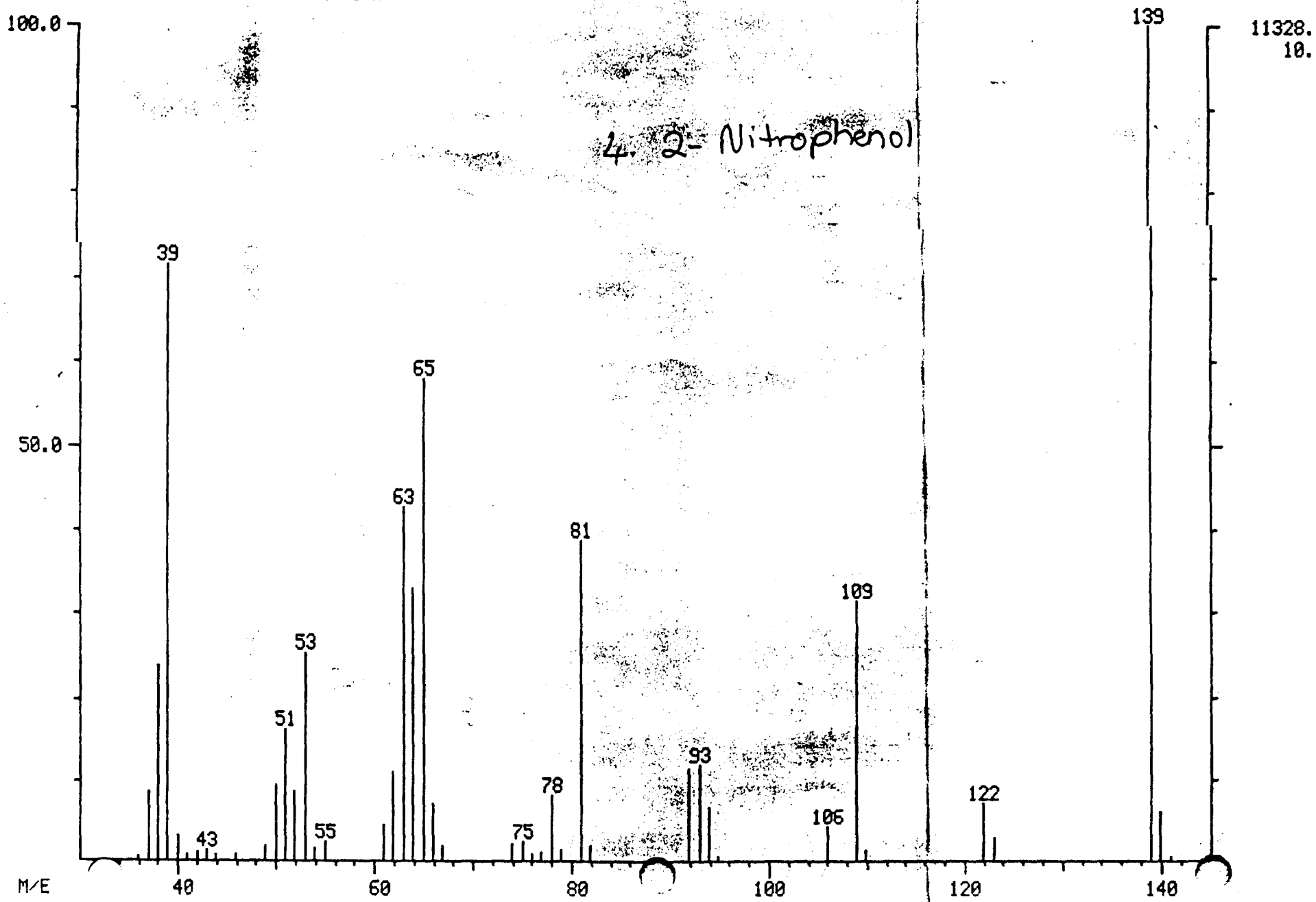


Compound 21

MASS SPECTRUM
11/17/82 14:48:00 + 13:19
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #761

BASE M/E: 139
RIC: 65152.

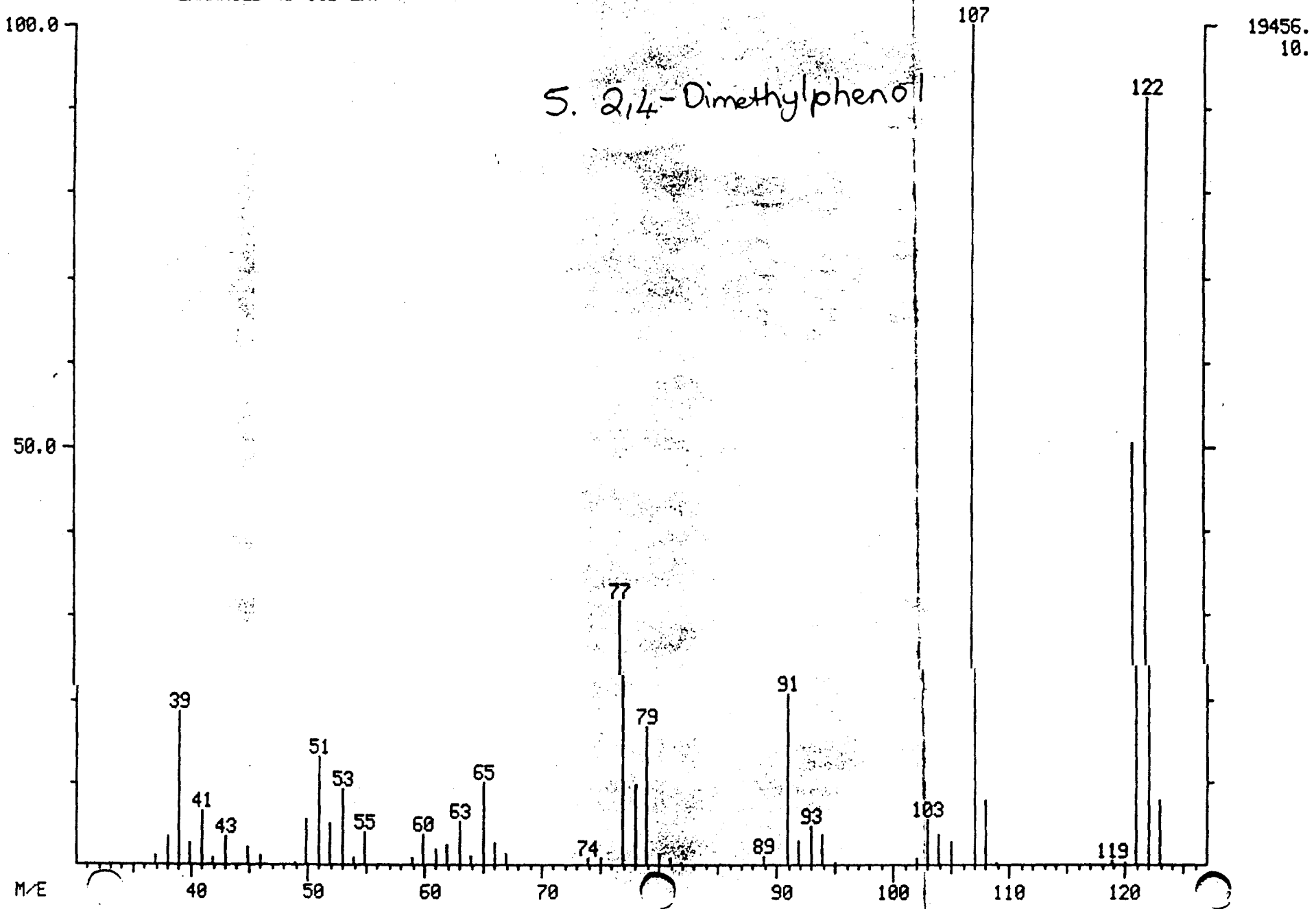


Compound 22

MASS SPECTRUM
11/17/82 14:48:00 + 13:34
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #775

BASE M/E: 107
RIC: 92160.



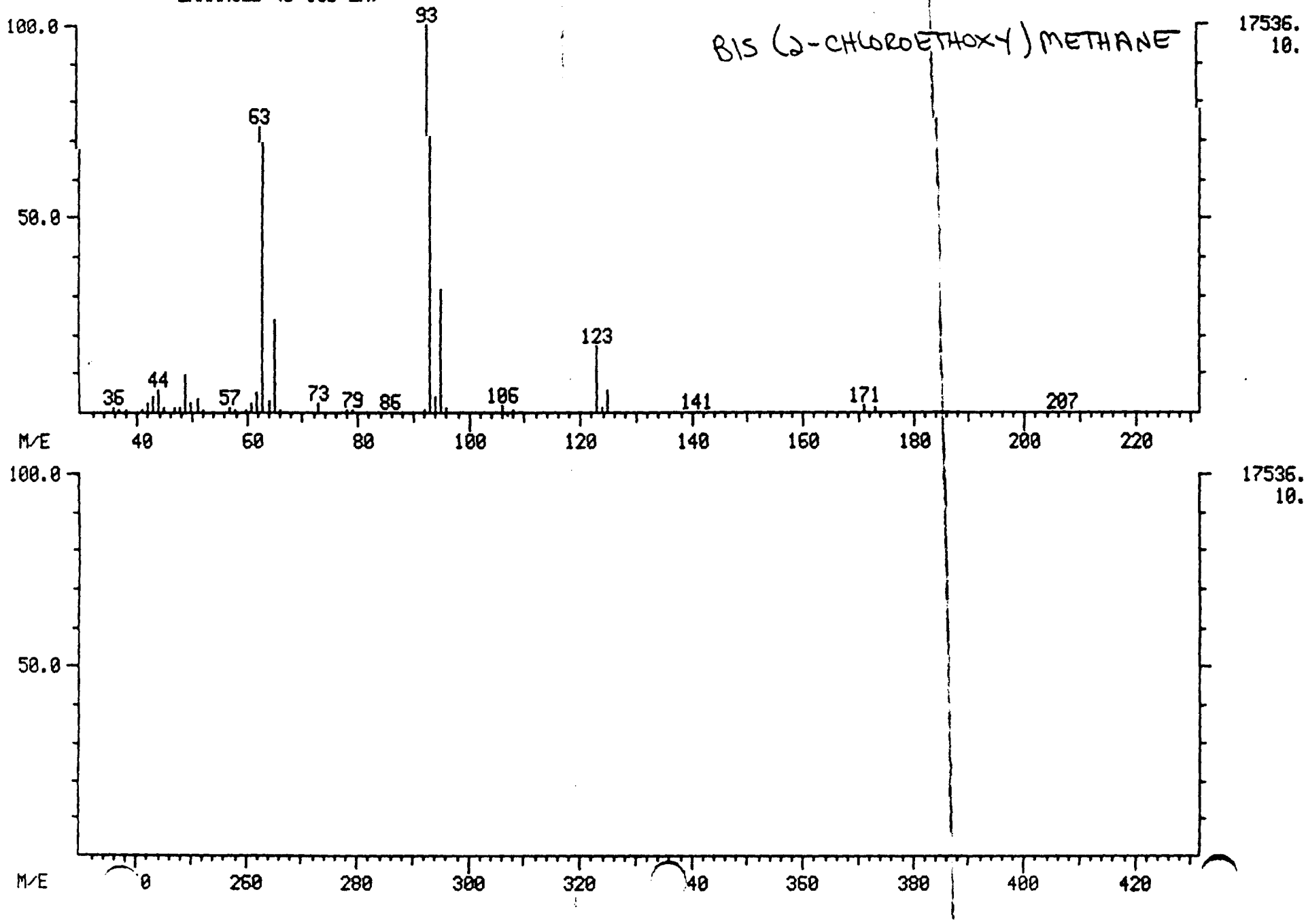
Compound 23

MASS SPECTRUM
08/05/82 13:39:00 + 15:43
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #898

BASE M/E: 93
RIC: 55424.

BIS (2-CHLOROETHOXY) METHANE



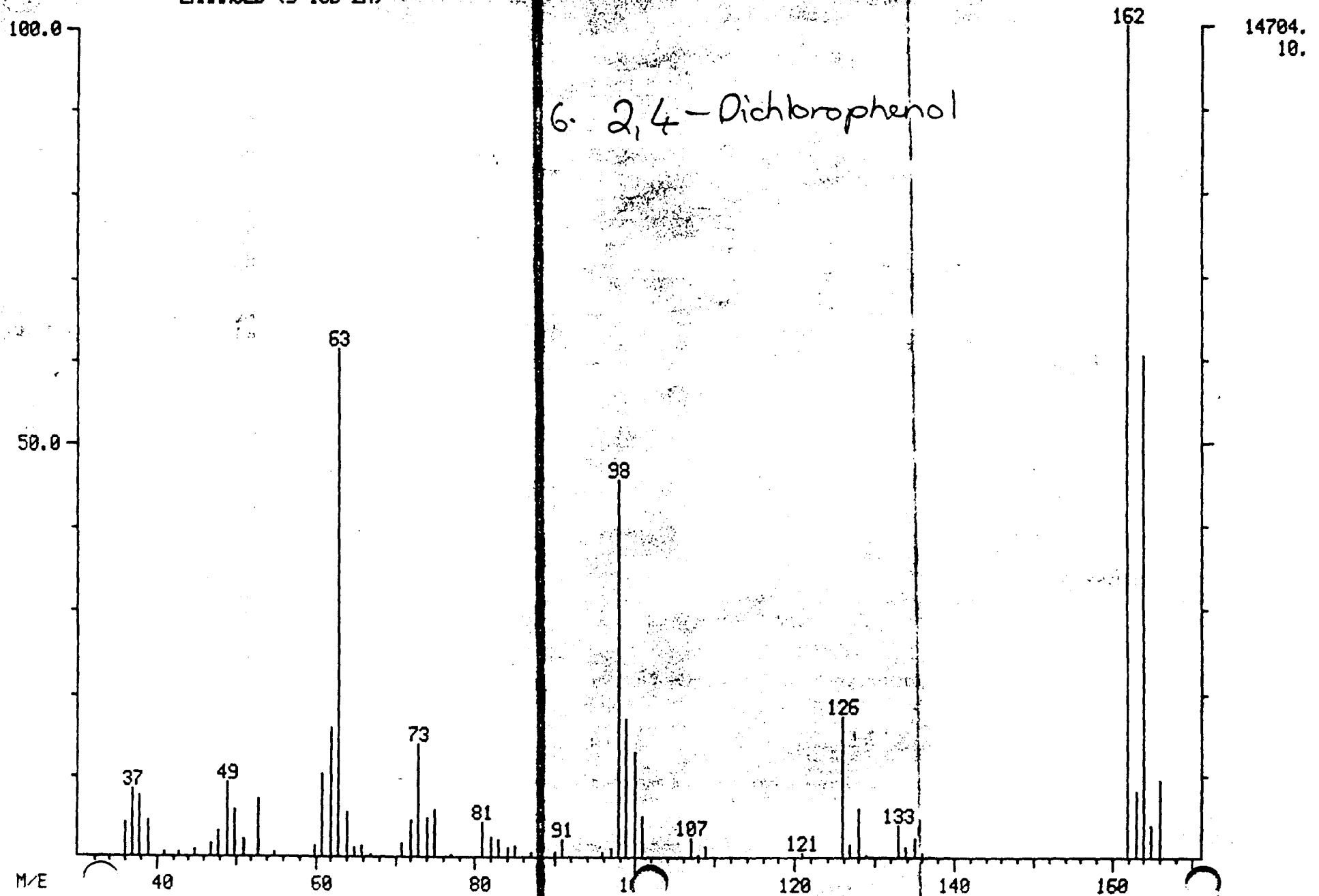
Compound 24

MASS SPECTRUM
11/17/82 14:48:00 + 13:56
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #796

BASE M/E: 162
RIC: 73856.

6. 2,4-Dichlorophenol

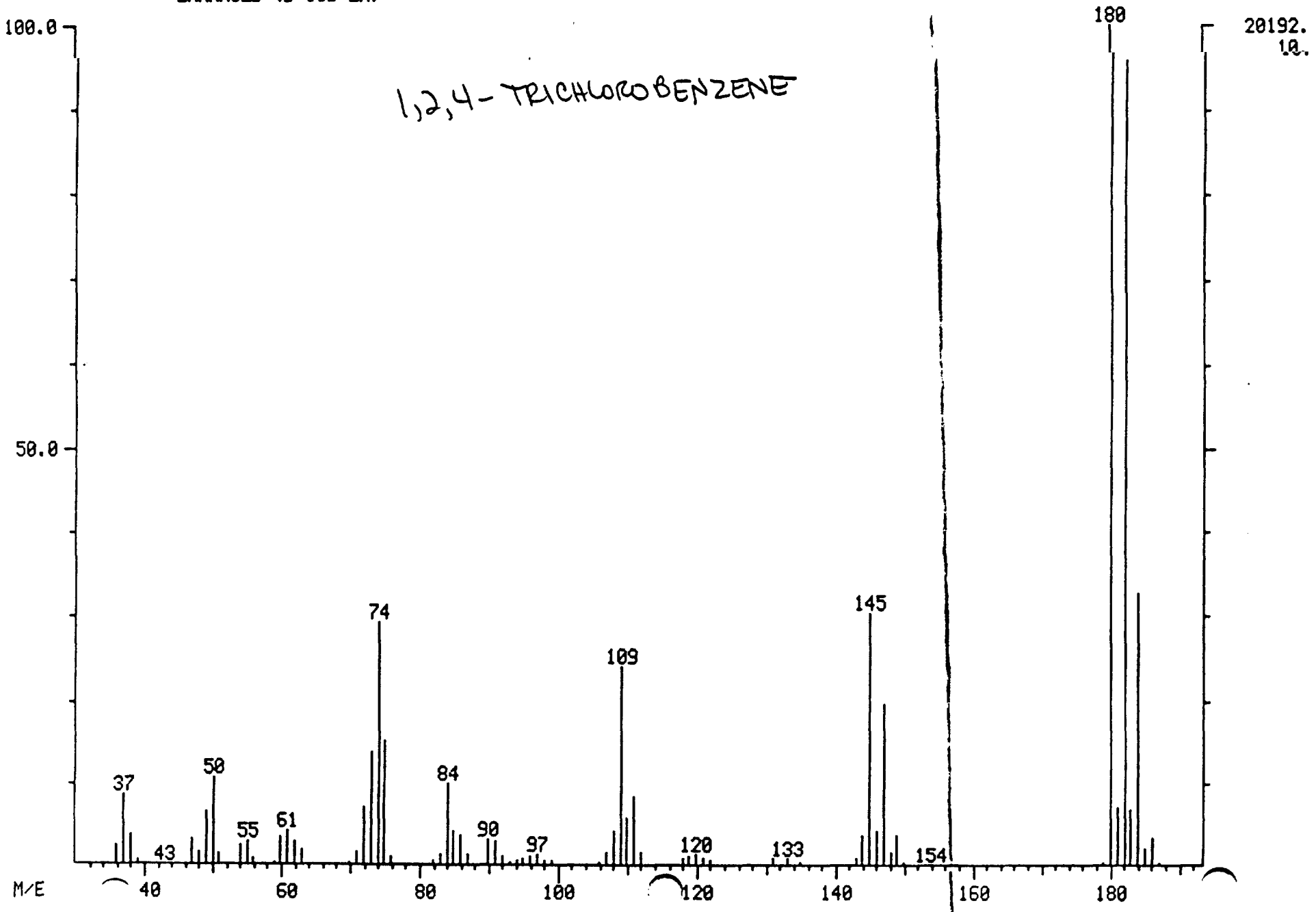


Compound 25

MASS SPECTRUM
08/05/82 14:31:00 + 15:09
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #923

BASE M/E: 180
R.I.C. 105855.

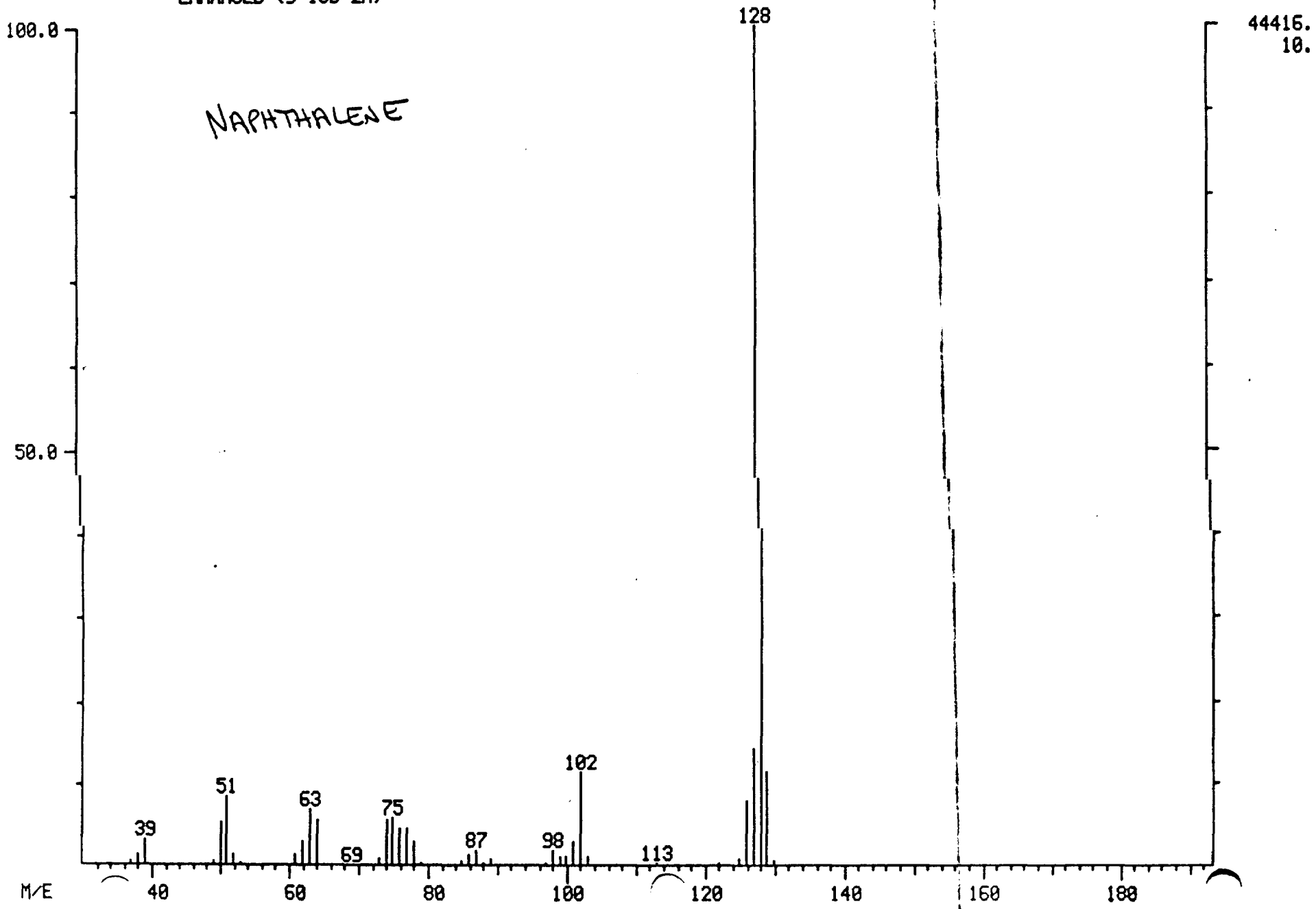


Compound 26

MASS SPECTRUM
08/05/82 13:39:00 + 16:12
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #926

BASE M/E: 128
RIC: 97792.

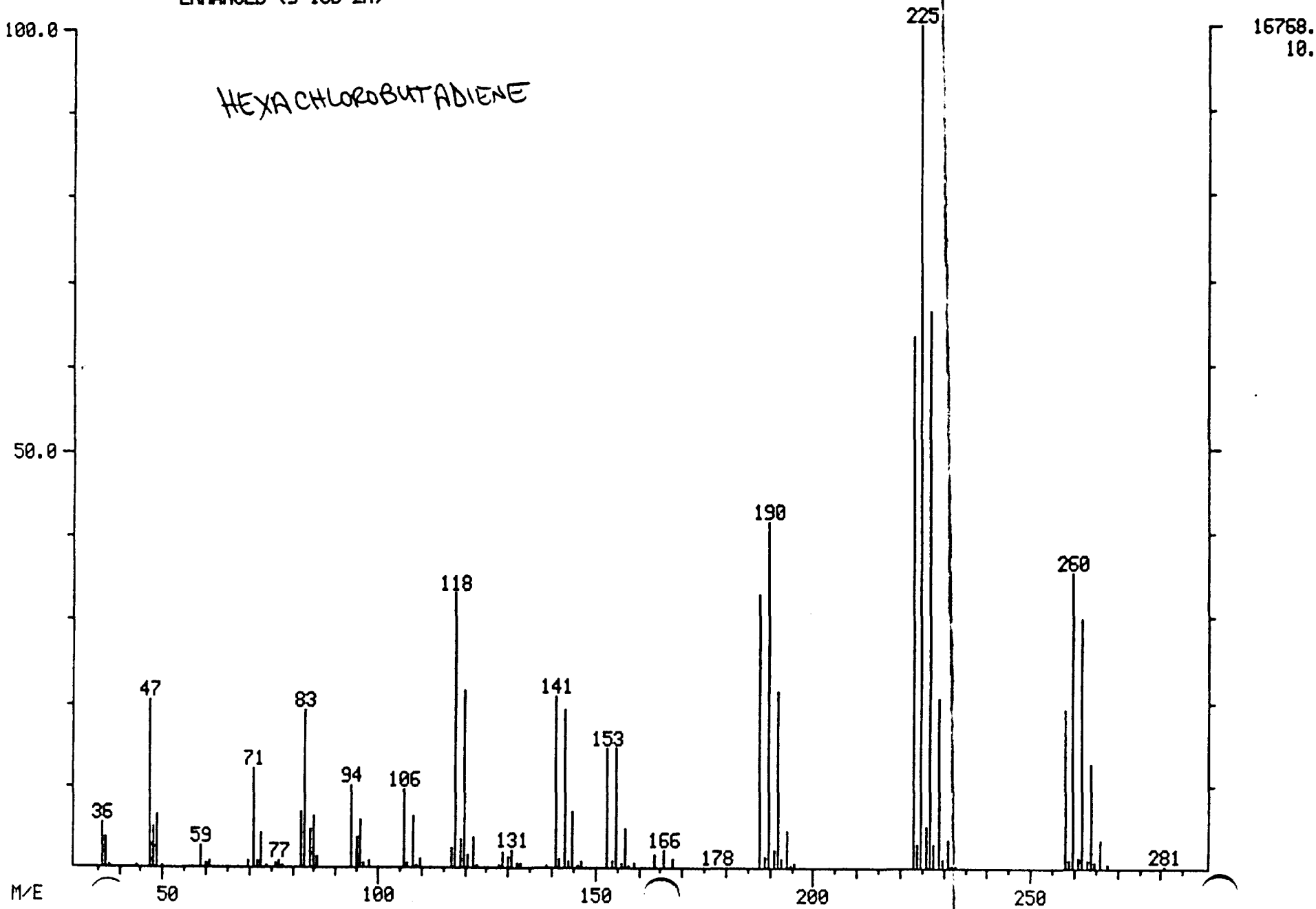


Compound 27

MASS SPECTRUM
08/05/82 13:39:00 + 16:46
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #958

BASE M/E: 225
RIC: 130560.

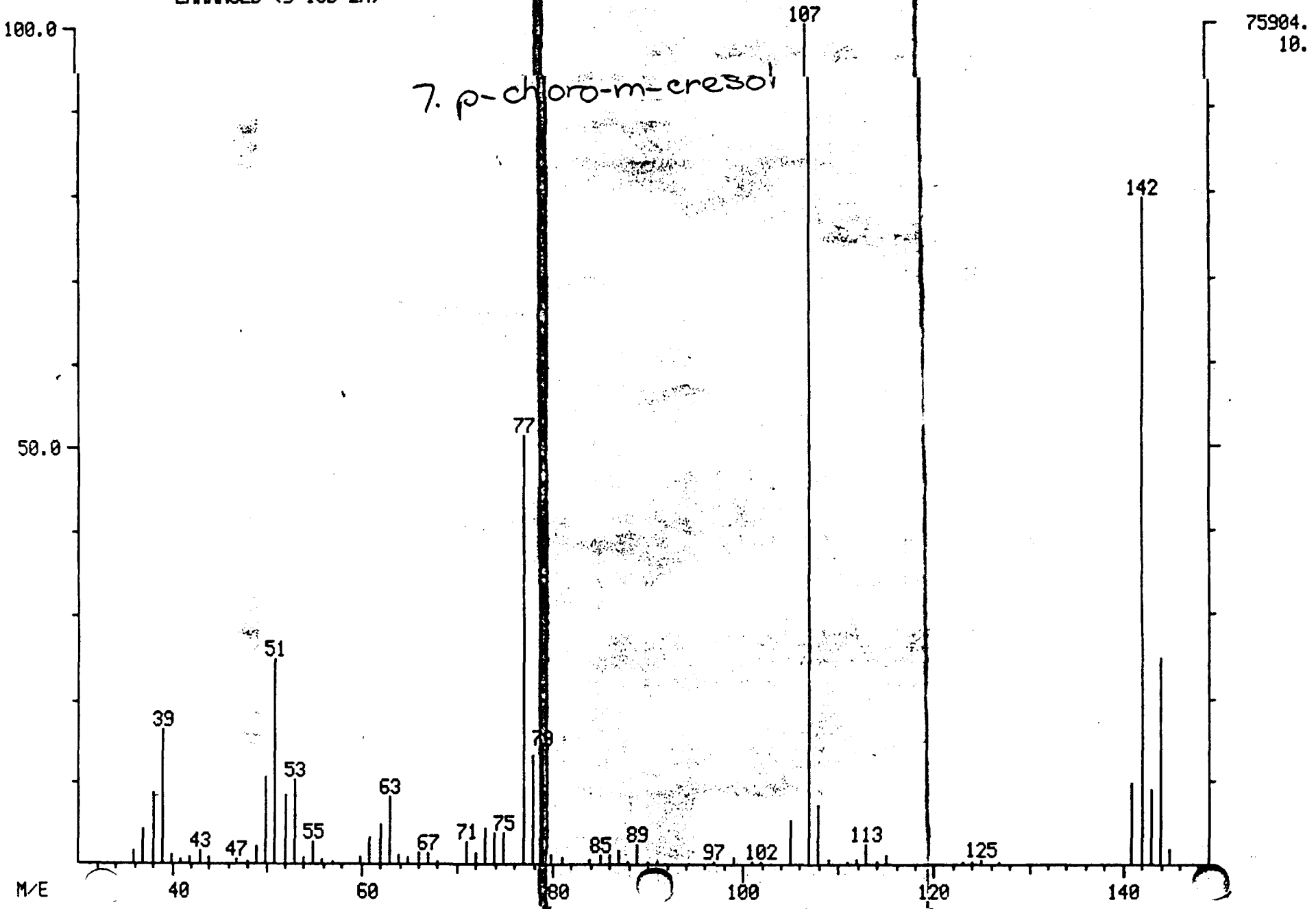


Compound 28

MASS SPECTRUM
11/17/82 14:48:00 + 15:55
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #910

BASE M/E: 107
RIC: 353280.

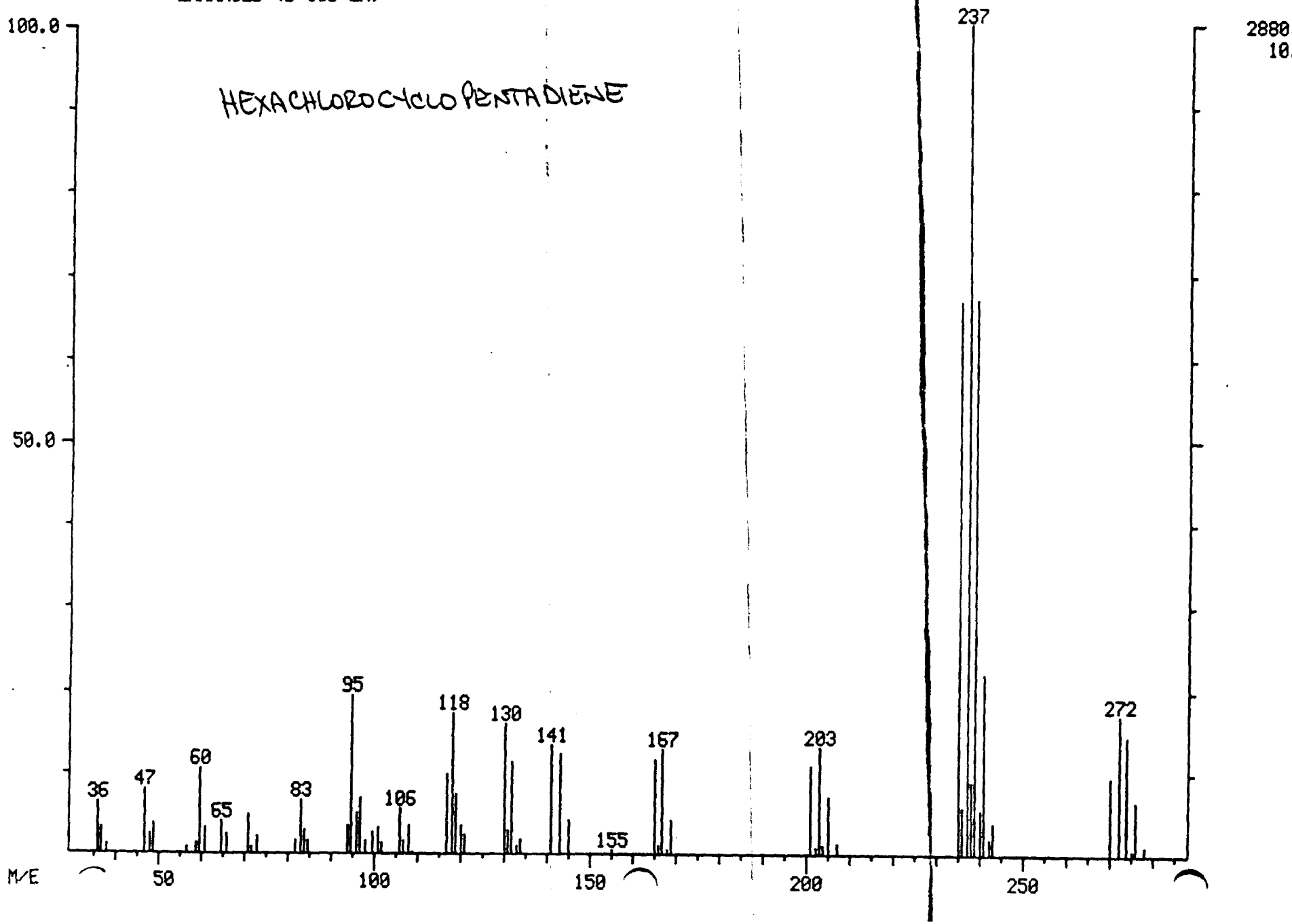


Compound 29

MASS SPECTRUM
08/05/82 14:31:00 + 18:48
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #1074

BASE M/E: 237
RIC: 17856.



Compound 31

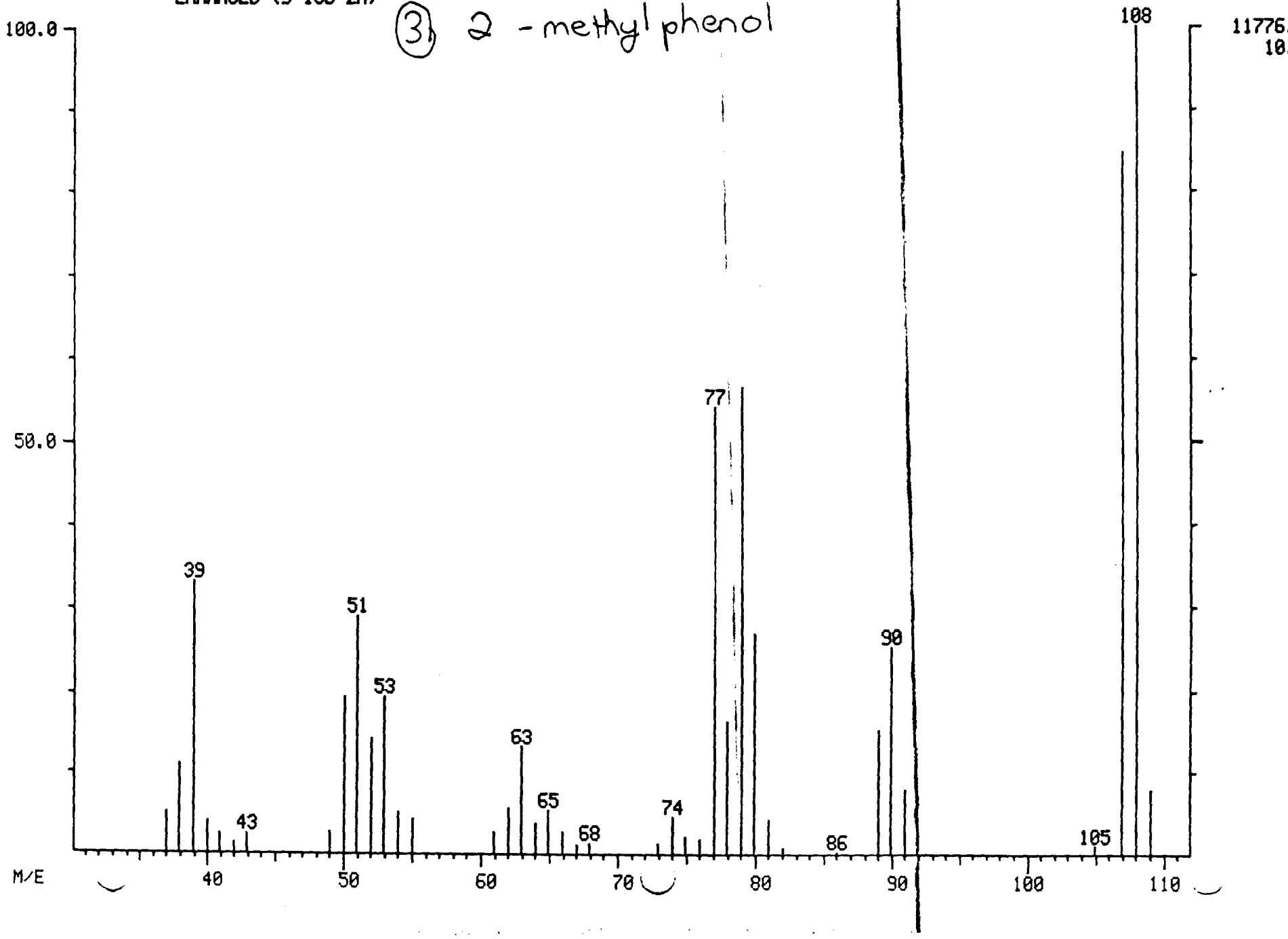
OK

MASS SPECTRUM
09/14/82 17:32:00 + 11:51
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #677

BASE M/E: 108
RIC: 70656.

(3) 2 - methyl phenol

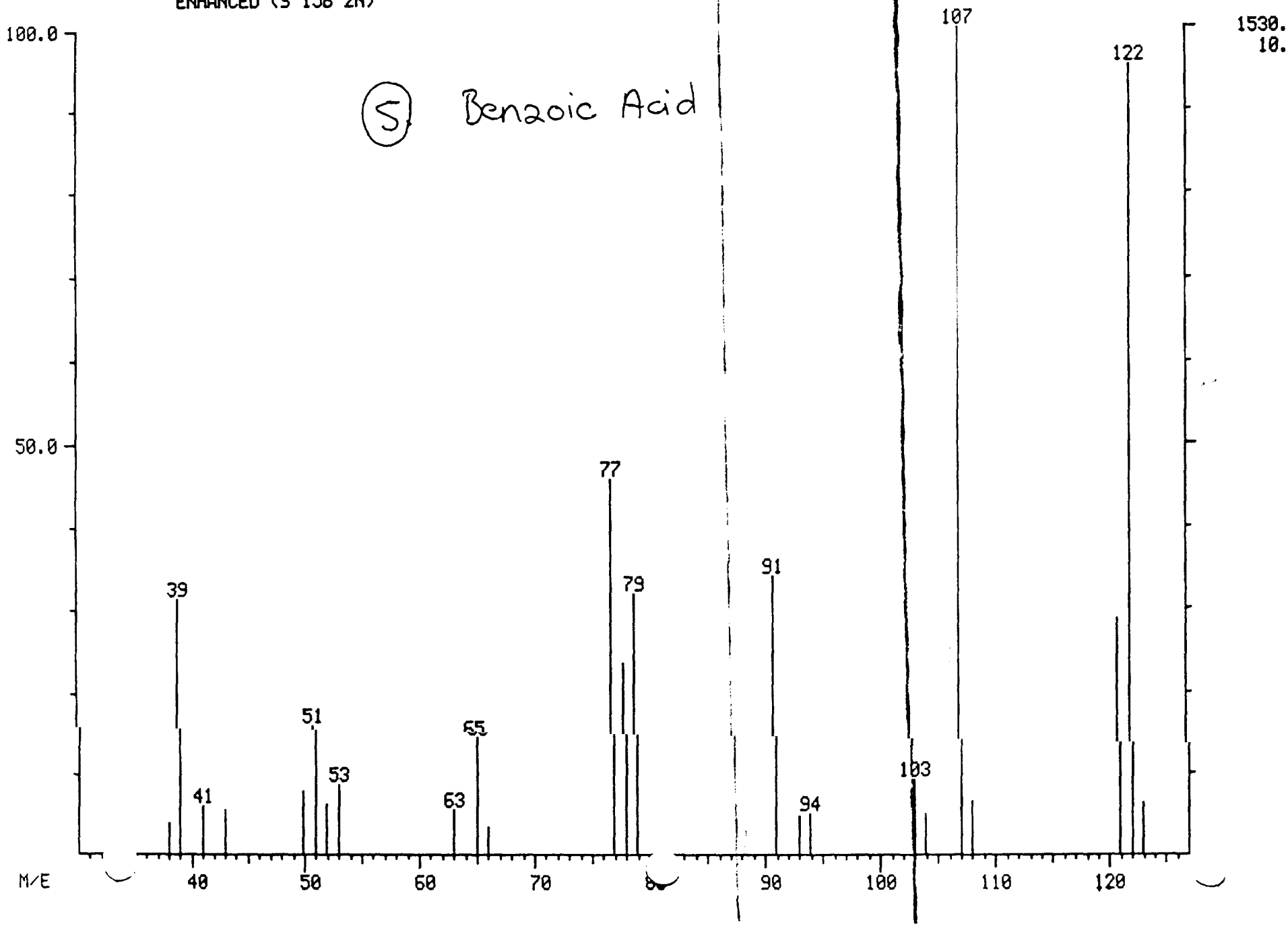


Compound 3B

MASS SPECTRUM
09/14/82 17:32:00 + 12:49
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #732

BASE M/E: 107
RIC: 7744.



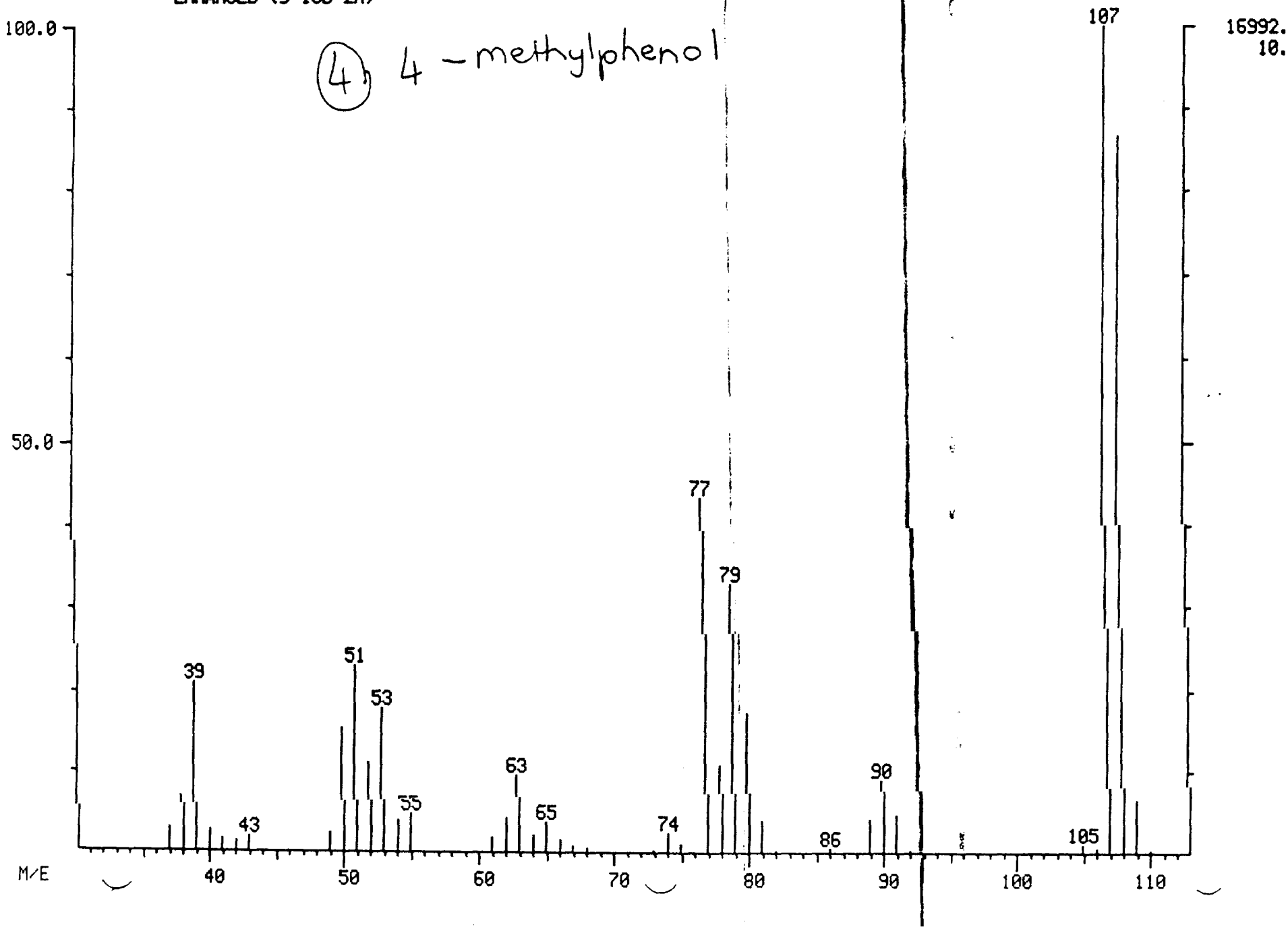
Compound 32

OK

MASS SPECTRUM
09/14/82 17:32:00 + 12:14
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #699

BASE M/E: 107
RIC: 79488.

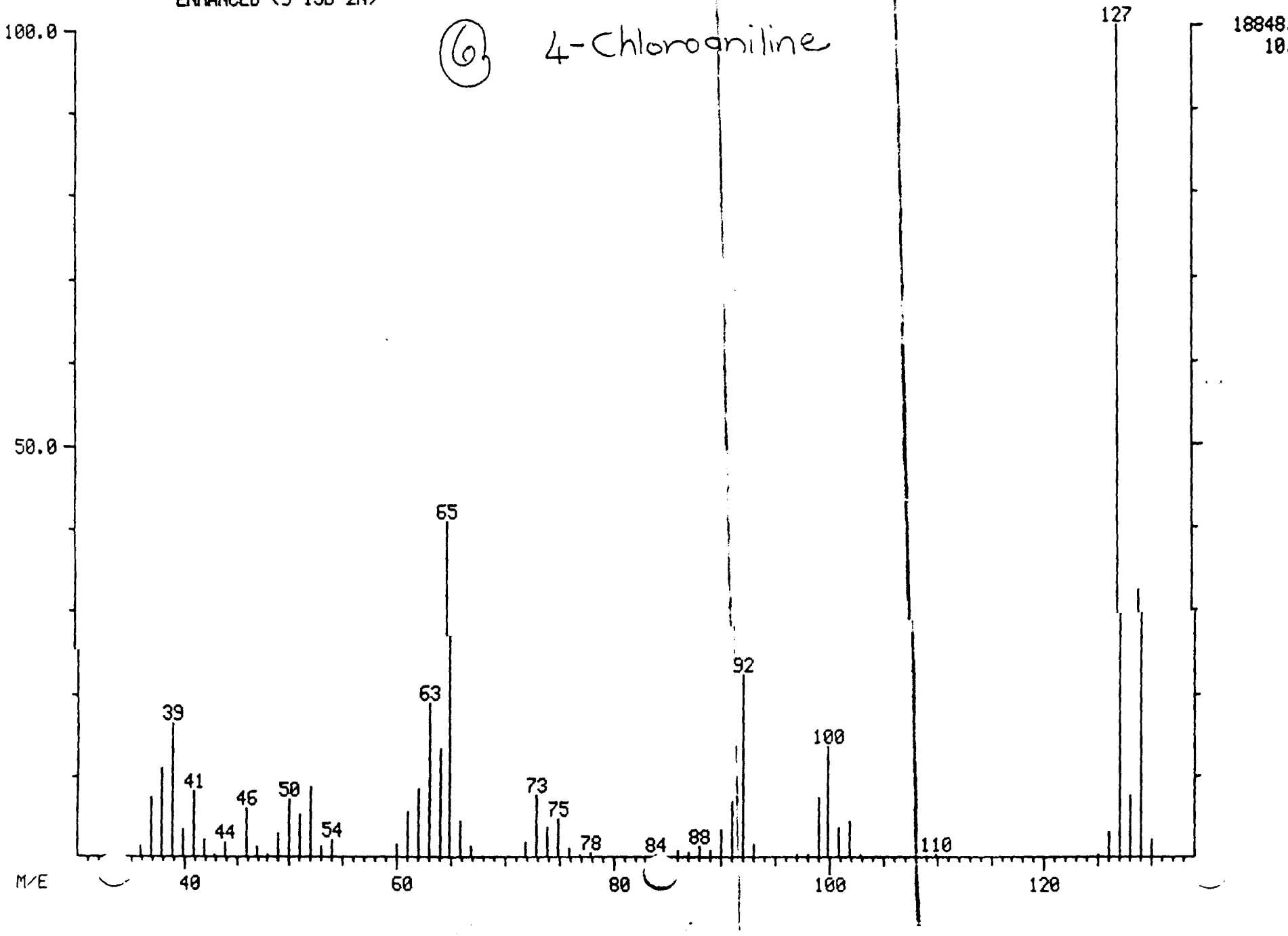


Compound 34

MASS SPECTRUM
09/14/82 17:32:00 + 14:34
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #832

BASE M/E: 127
RIC: 78080.

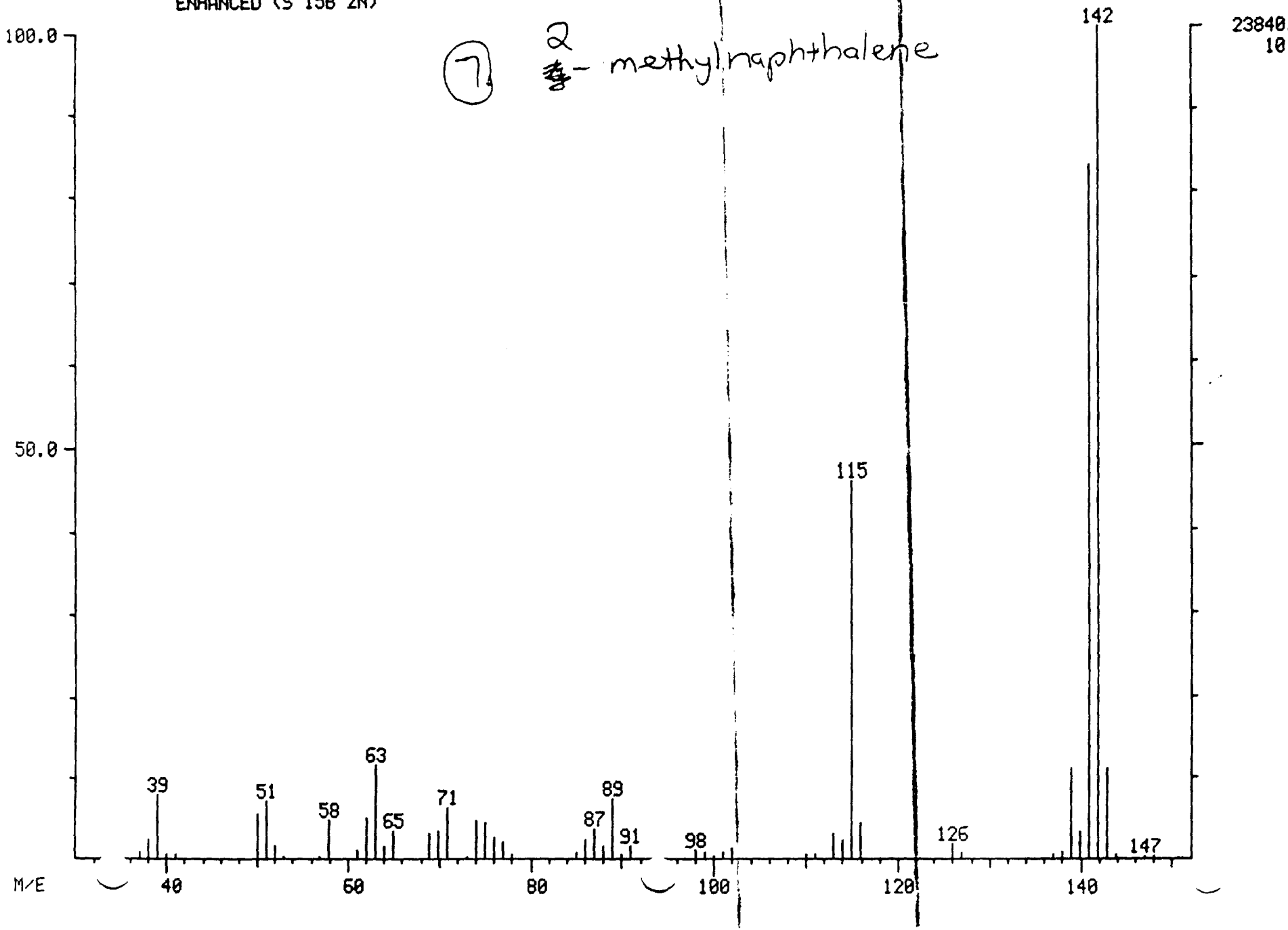


Compound 35

MASS SPECTRUM
09/14/82 17:32:00 + 16:08
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #922

BASE M/E: 142
RIC: 89088.

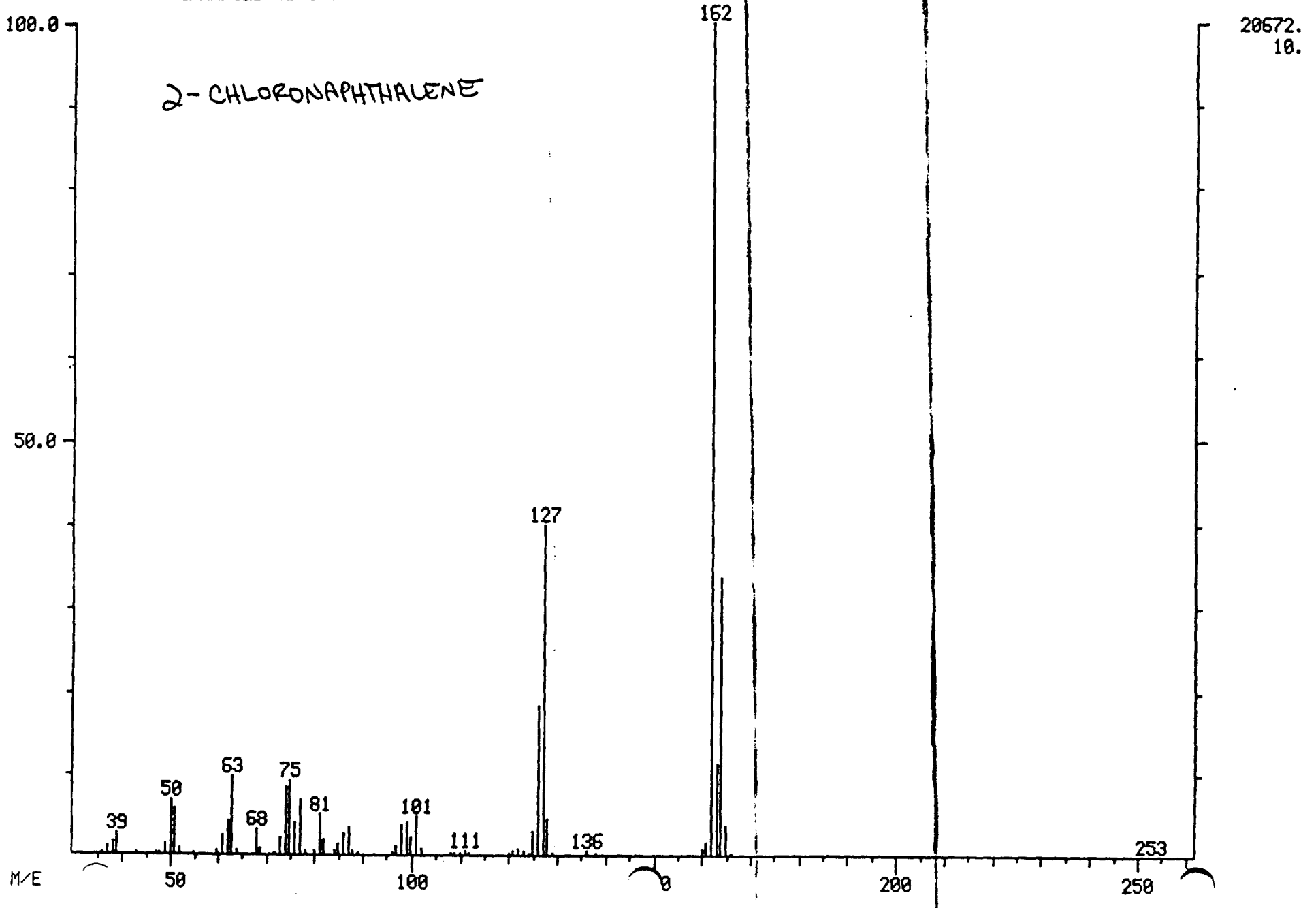


Compound 38

MASS SPECTRUM
08/05/82 14:31:00 + 19:28
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 158 2N)

DATA: ABN095 #1112

BASE M/E: 162
RIC: 67840.

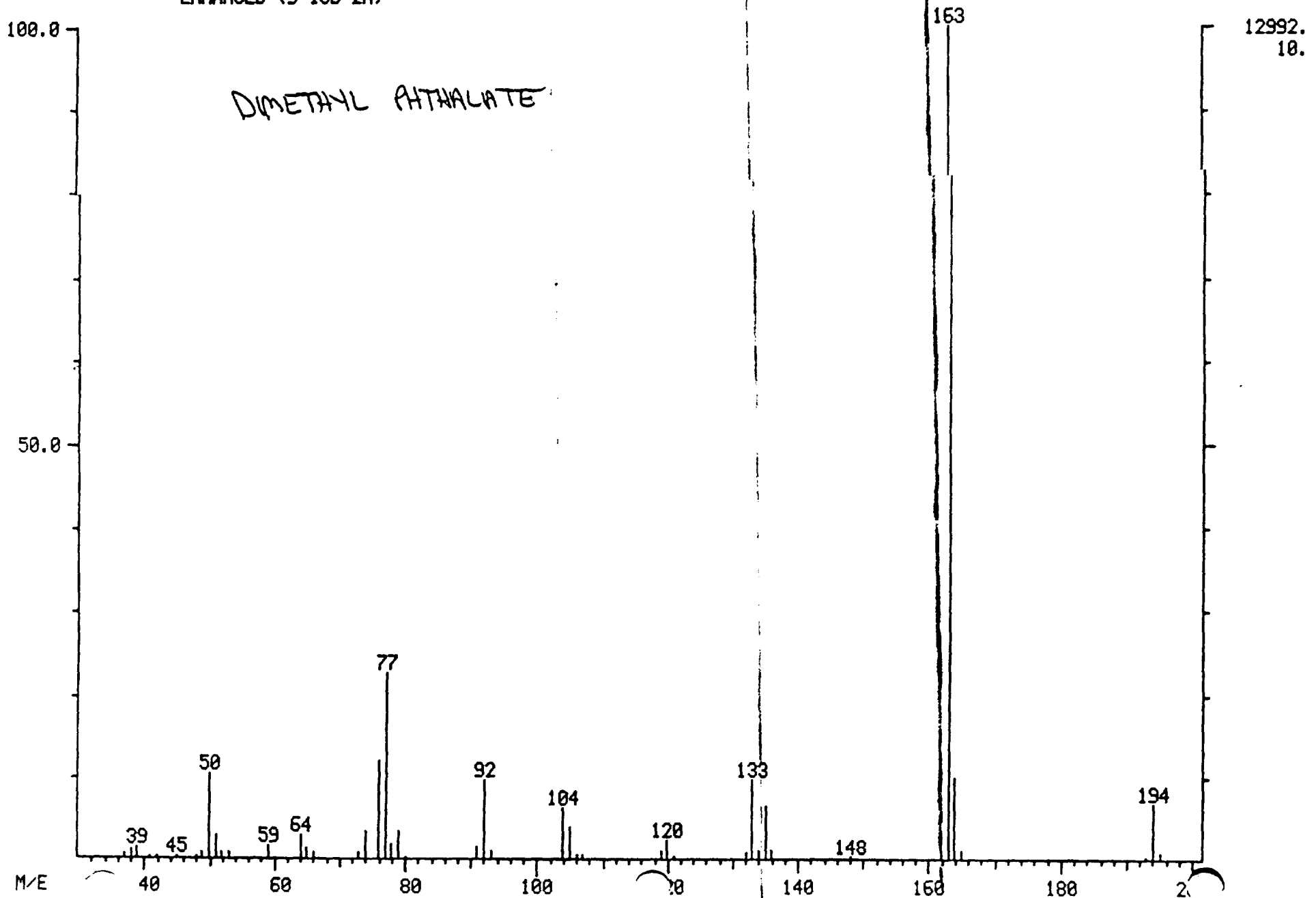


Compound 39

MASS SPECTRUM
08/05/82 11:58:00 + 20:32
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #1173

BASE M/E: 163
RIC: 30592.

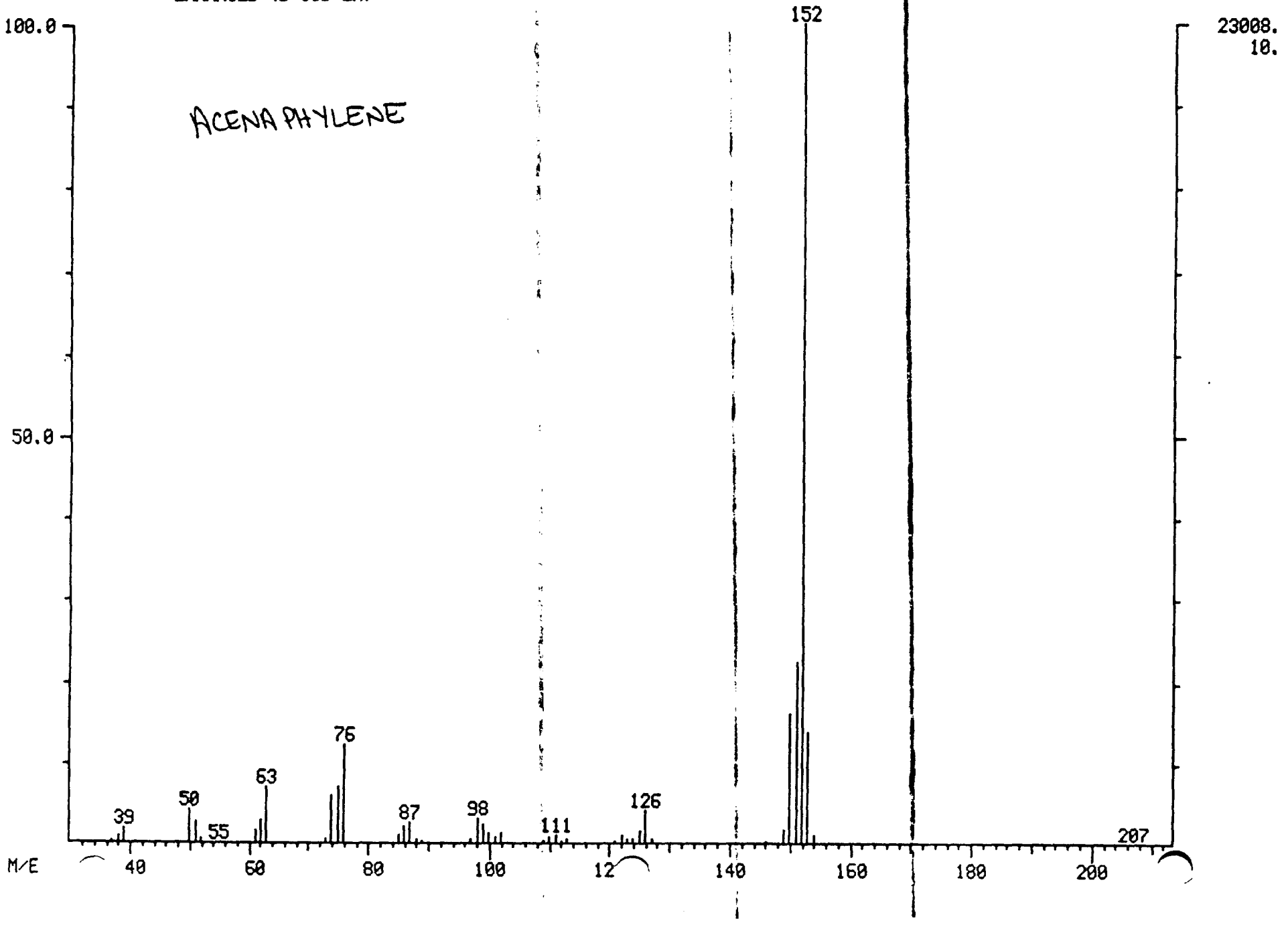


Compound 40

MASS SPECTRUM
08/05/82 11:58:00 + 20:35
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #1176

BASE M/E: 152
RIC: 53184.

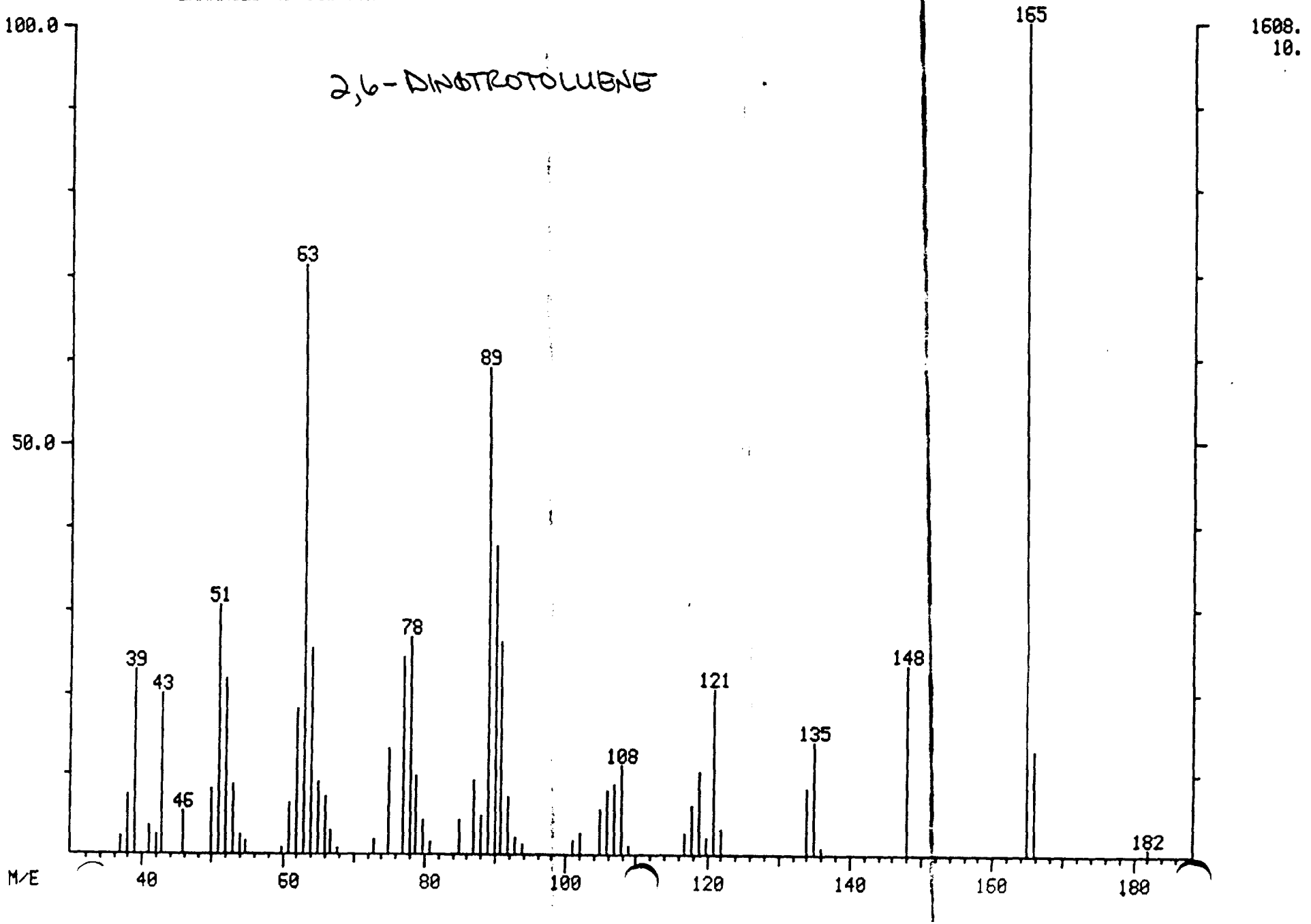


Compound 41

MASS SPECTRUM
08/05/82 11:58:00 + 20:39
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #1180

BASE M/E: 165
RIC: 12160.

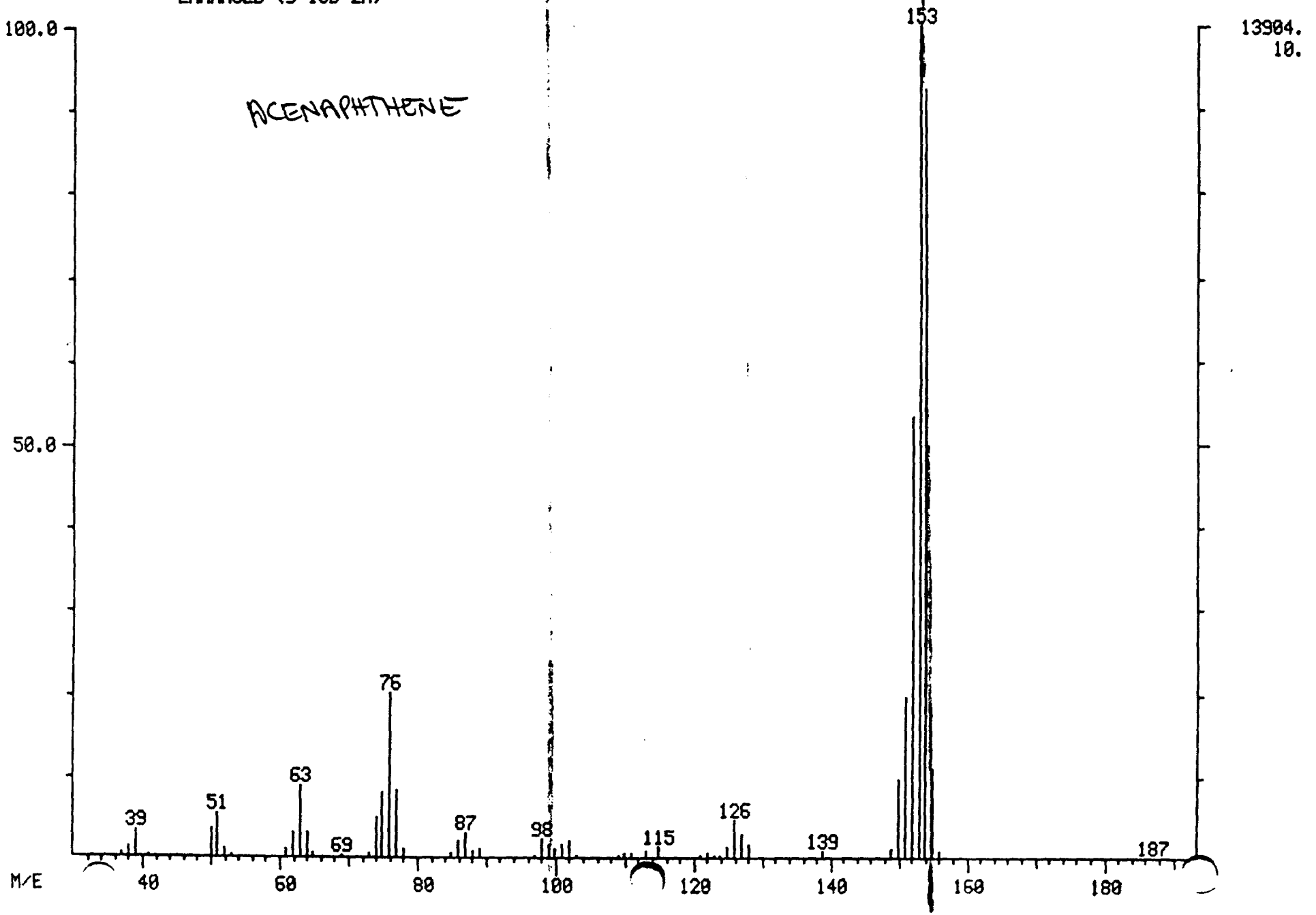


Compound 42

MASS SPECTRUM
08/05/82 13:39:00 + 20:59
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1199

BASE M/E: 153
RIC: 55296.

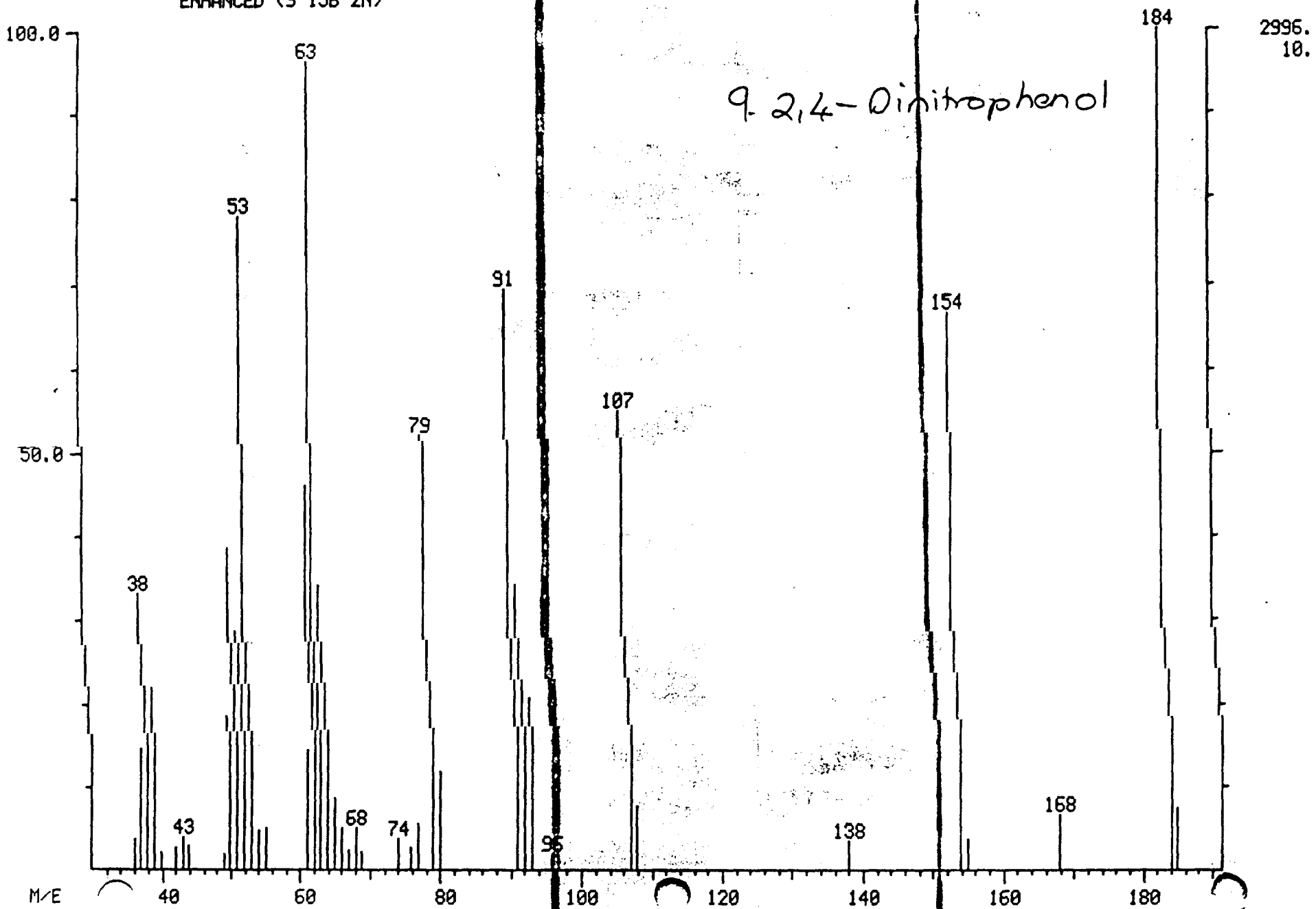


Compound 43

MASS SPECTRUM
11/17/82 14:48:00 + 19:09
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #1094

BASE M/E: 184
RIC: 27744.



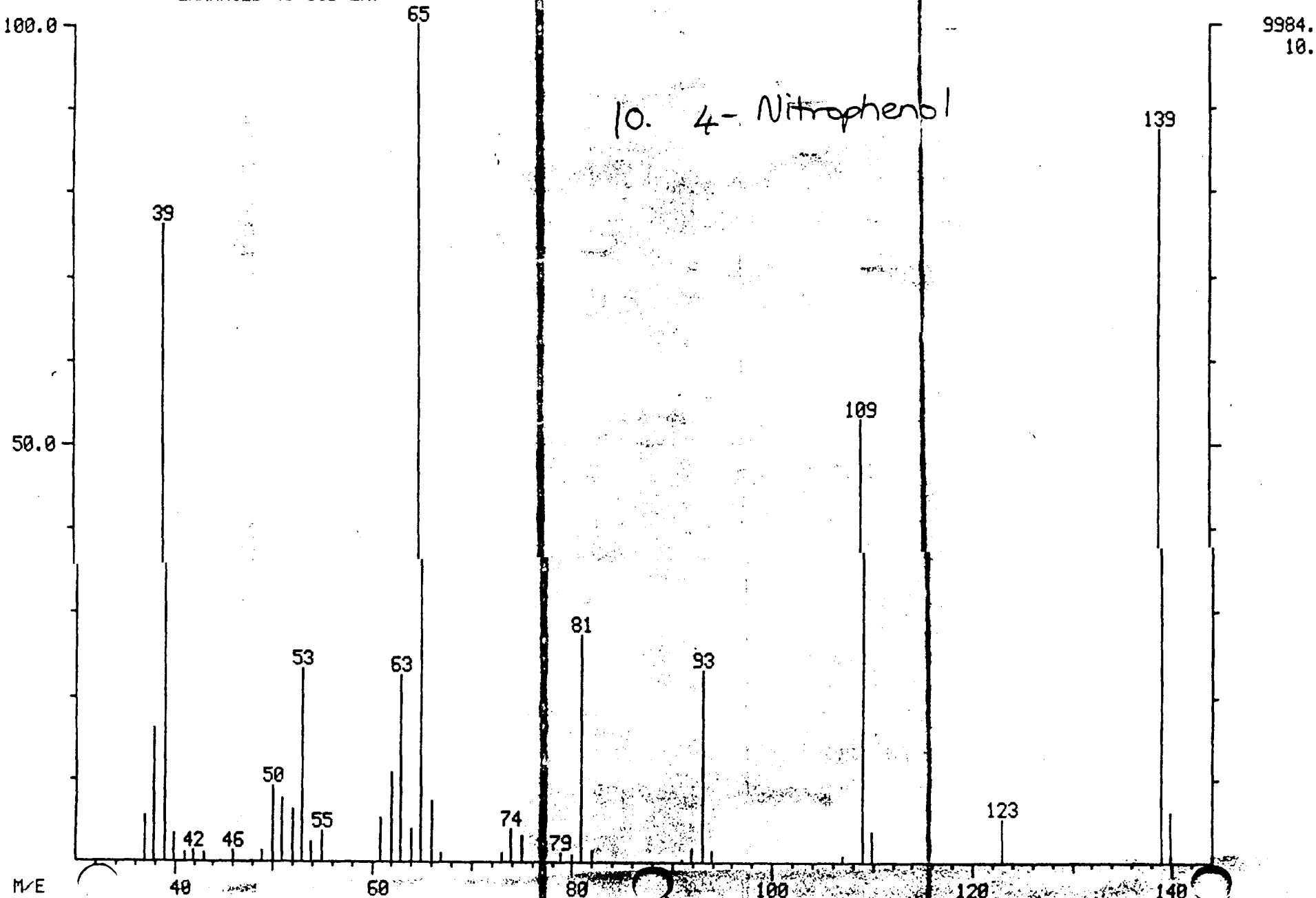

9. 2,4-Dinitrophenol

Compound 44

MASS SPECTRUM
11/17/82 14:48:00 + 19:27
SAMPLE: SUPELCO ACID STD, DIL 1/10, + IS
ENHANCED (S 15B 2N)

DATA: ABN547 #1111

BASE M/E: 65
RIC: 53120.



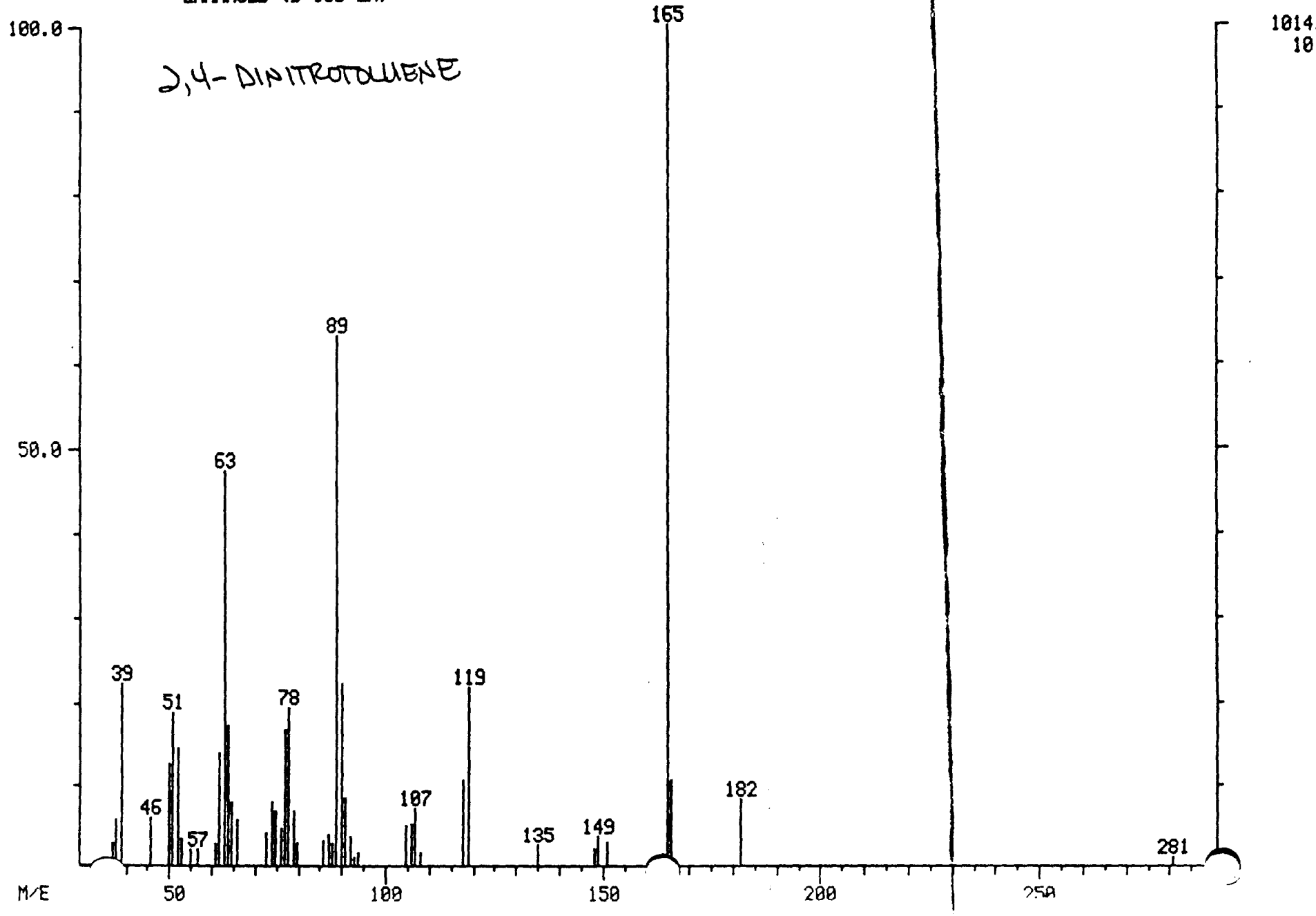

10. 4-Nitrophenol

Compound 45

MASS SPECTRUM
08/05/82 13:39:00 + 21:34
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1232

BASE M/E: 165
RIC: 5600.

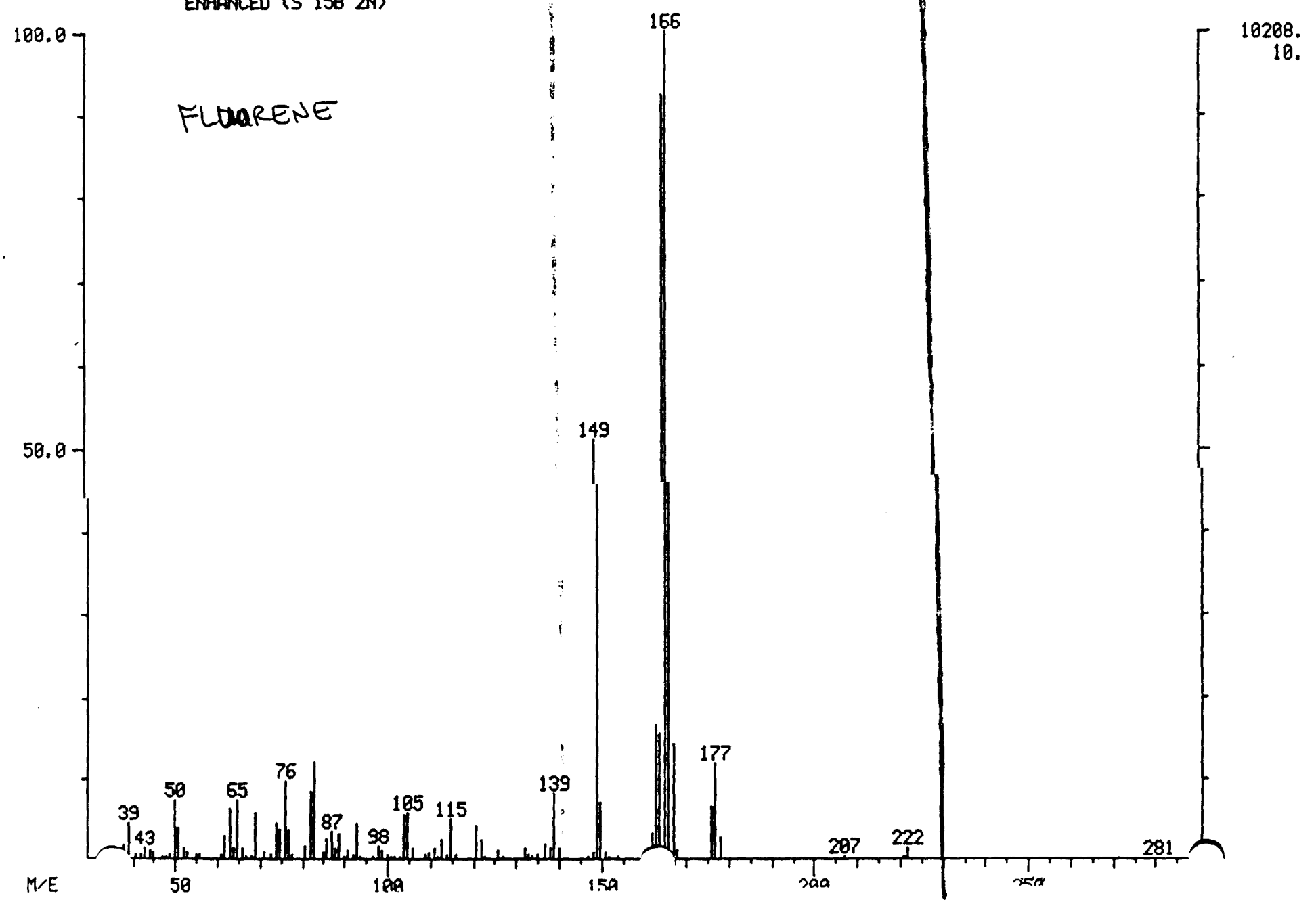


Compound 46

MASS SPECTRUM
08/05/82 13:39:00 + 22:20
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1276

BASE M/E: 166
RIC: 50432.

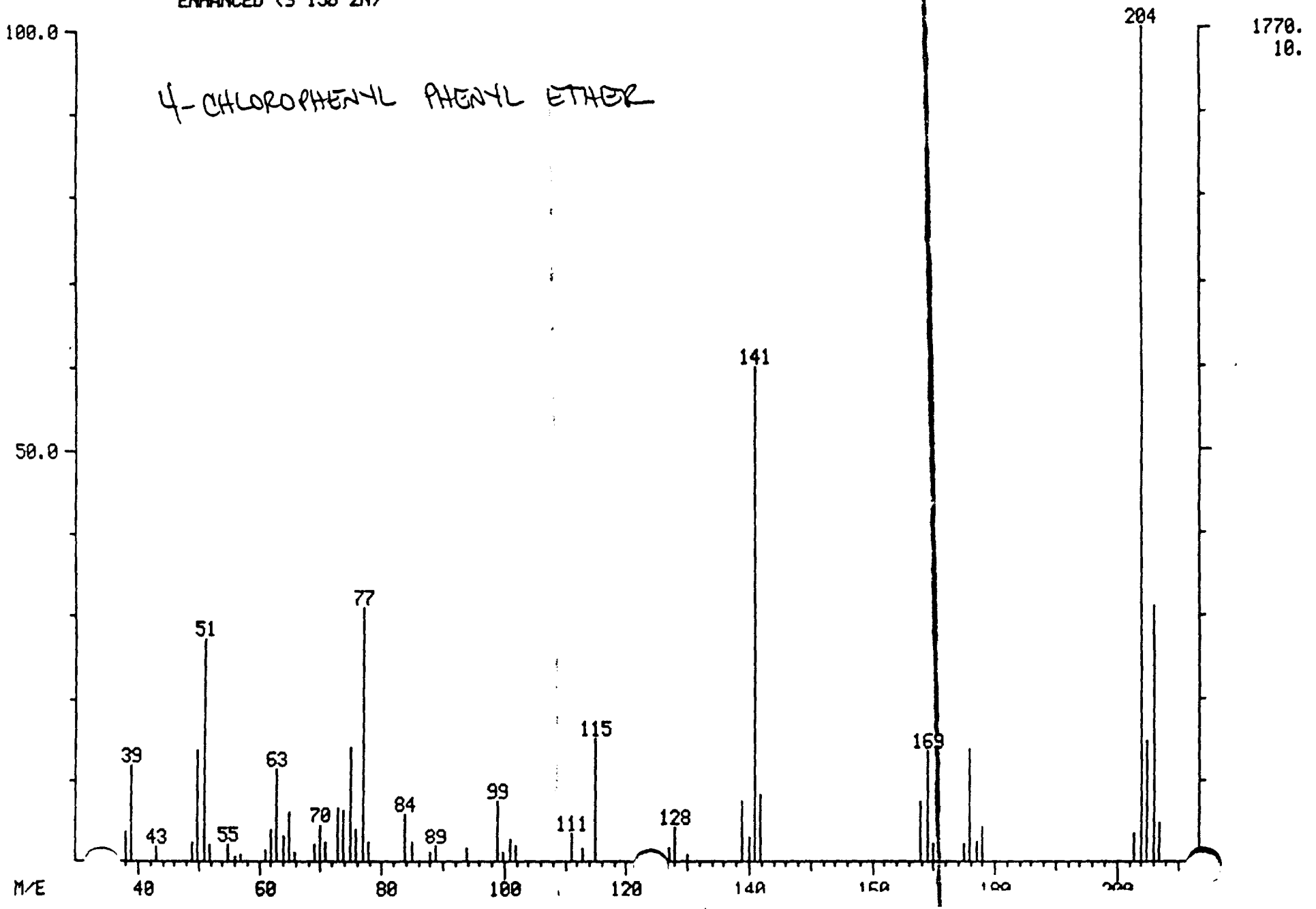


Compound 47

MASS SPECTRUM.
08/05/82 15:29:00 + 22:29
SAMPLE: B/N SUPELCO MIX 4, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN096 #1285

BASE M/E: 204
RIC: 8816.

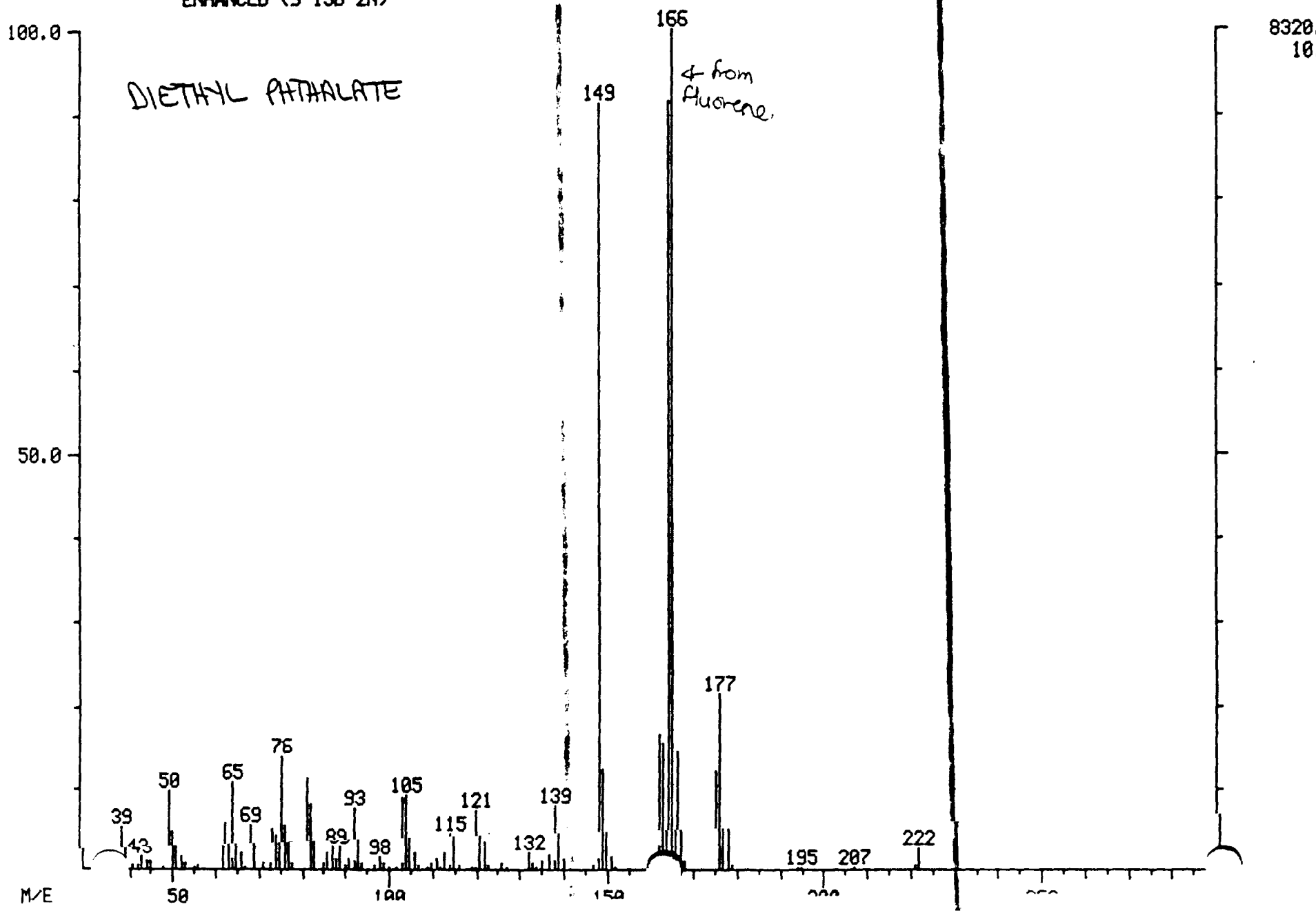


Compound 48

MASS SPECTRUM
08/05/82 13:39:00 + 22:19
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1275

BASE M/E: 166
RIC: 48832.

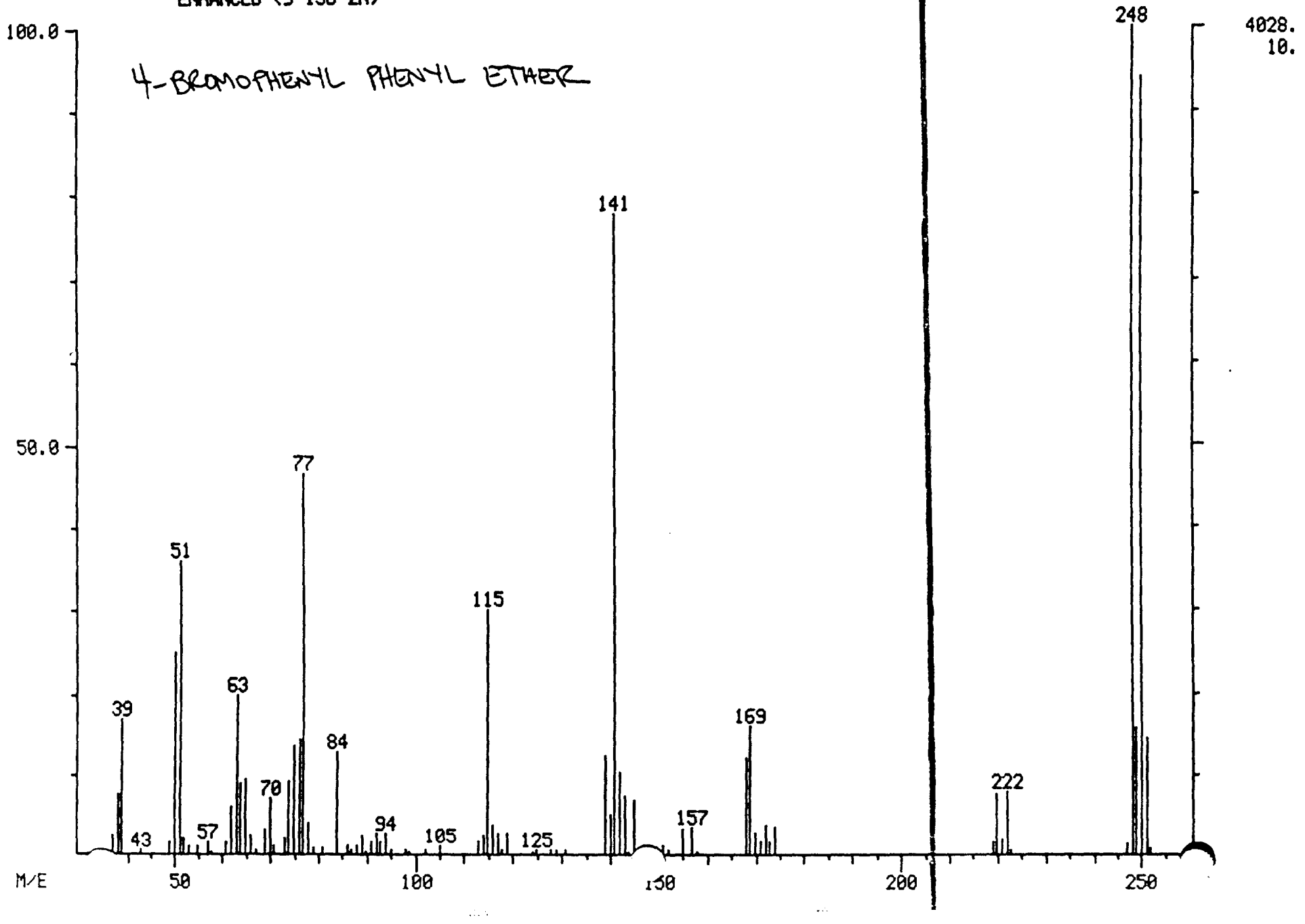


Compound 52

MASS SPECTRUM
08/05/82 11:58:00 + 23:47
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #1359

BASE M/E: 248
RIC: 29792.

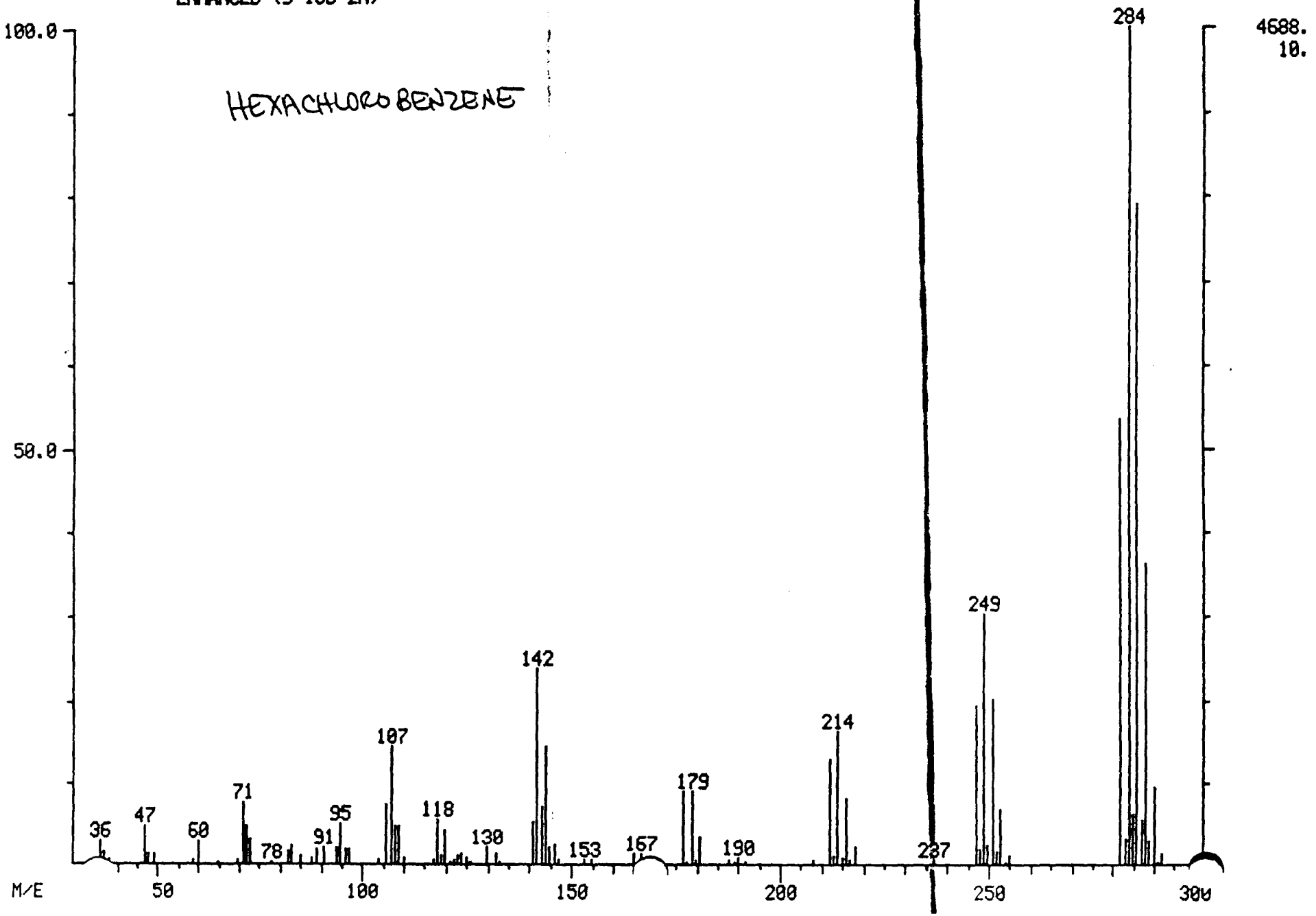


Compound 53

MASS SPECTRUM
08/05/82 13:39:00 + 24:00
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1371

BASE M/E: 284
RIC: 28736.



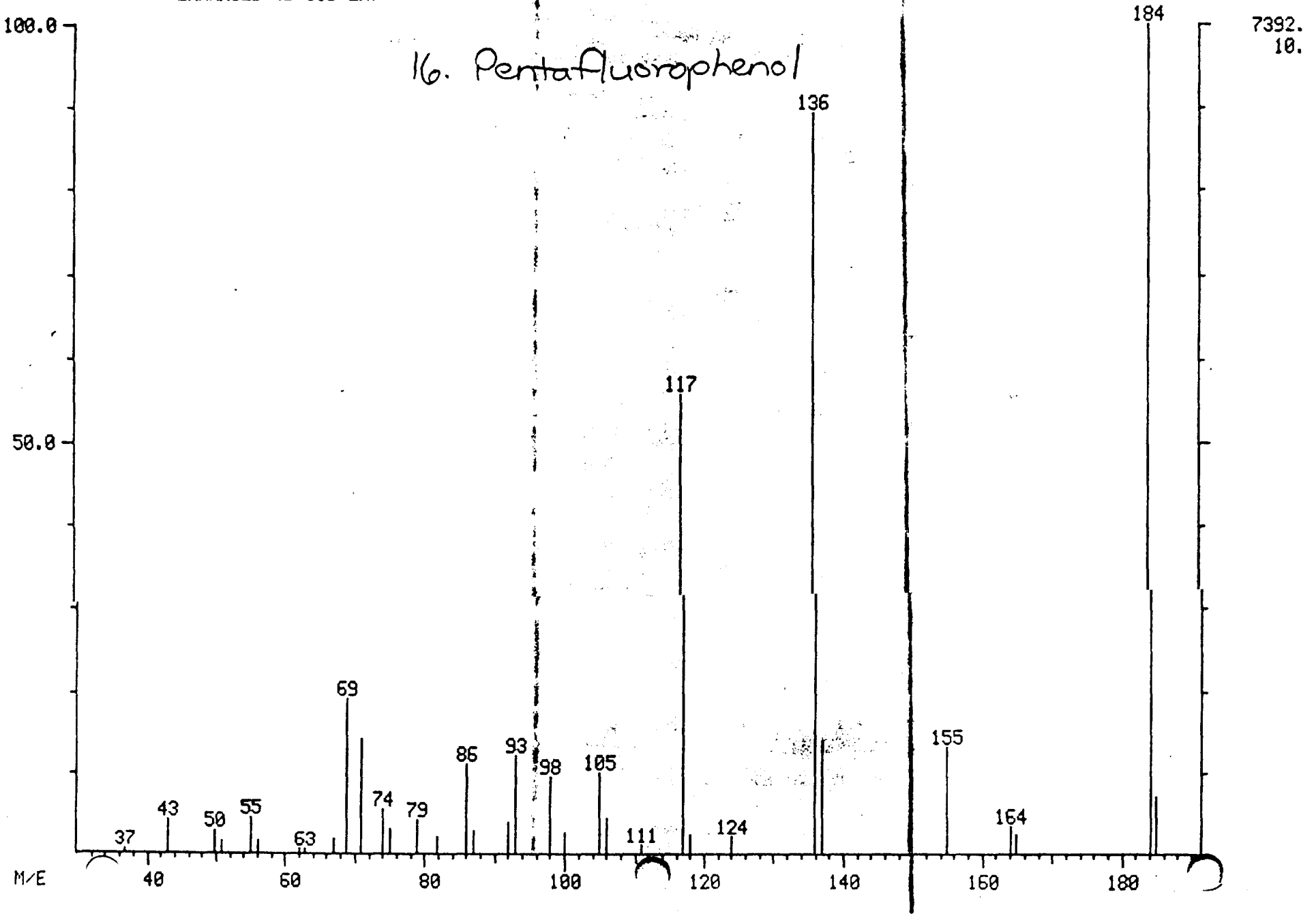
Compound 54

MASS SPECTRUM
11/17/82 15:40:00 + 10:33
SAMPLE: SEVEN A/B/N SURROGATES, + IS
ENHANCED (5 15B 2N)

DATA: ABN548 #603

BASE M/E: 184
RIC: 30464.

16. Pentafluorophenol

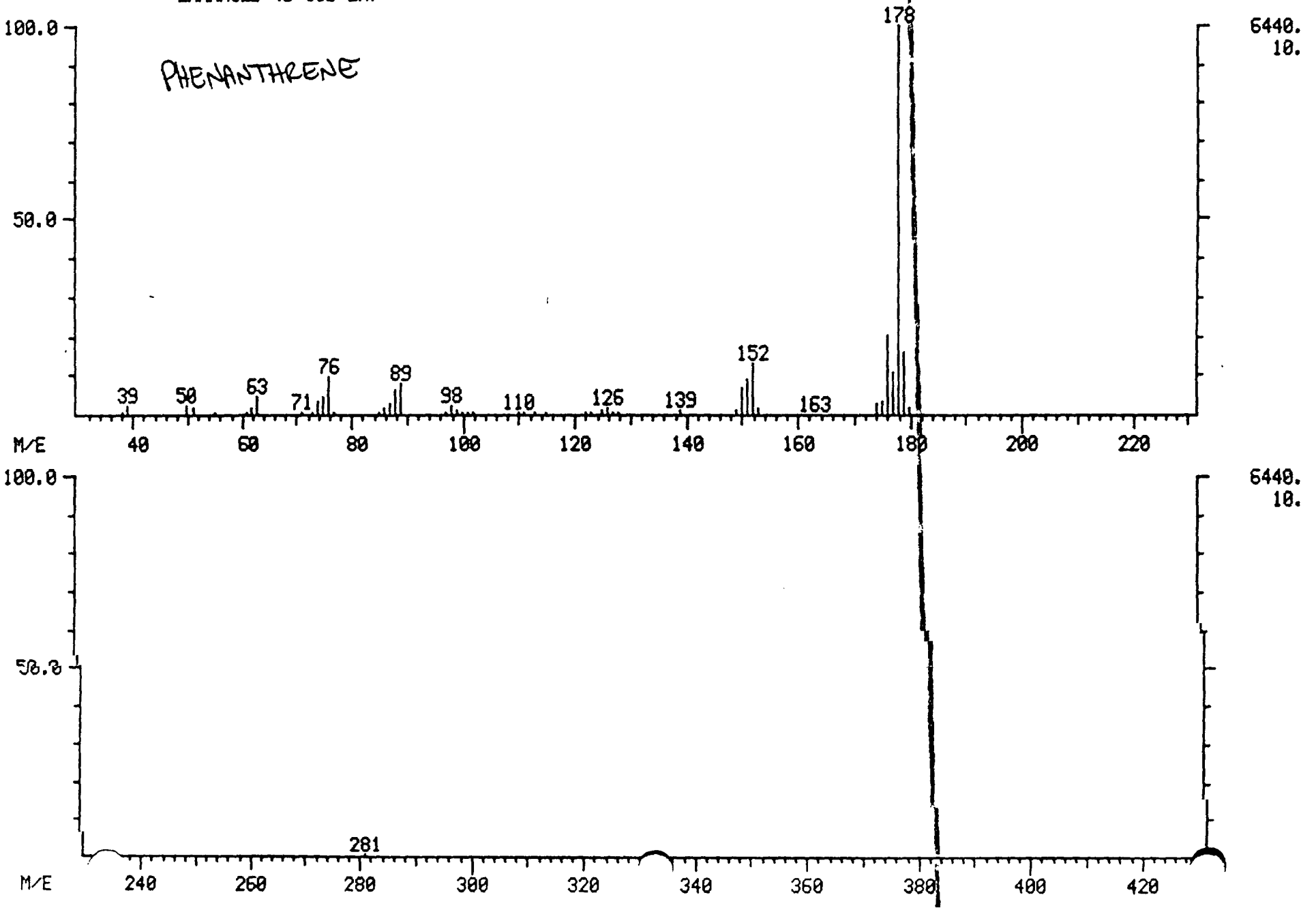


Compound 55

MASS SPECTRUM
08/05/82 14:31:00 + 24:58
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #1427

BASE M/E: 178
RIC: 16480.

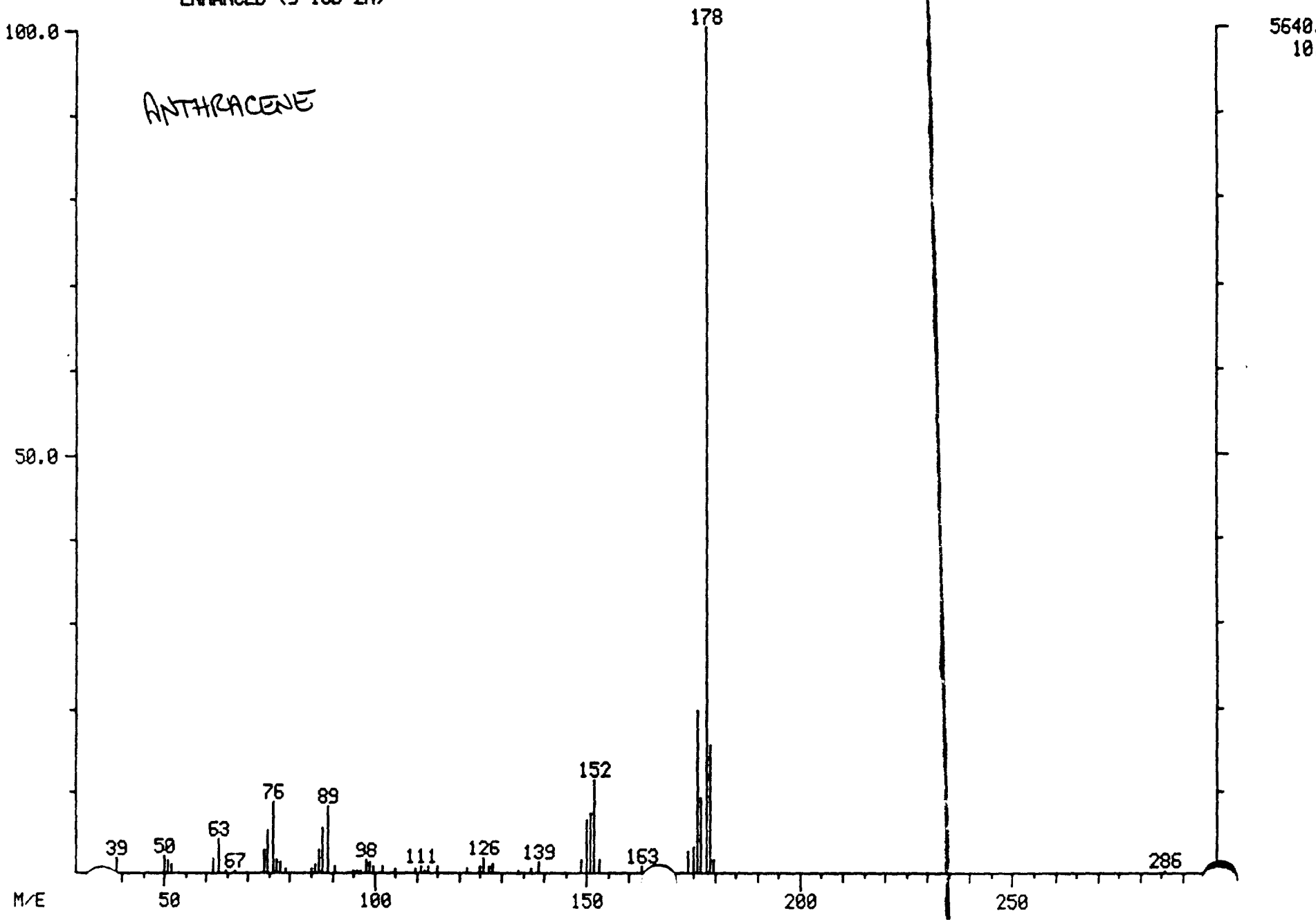


Compound 56

MASS SPECTRUM
08/05/82 13:39:00 + 24:58
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1427

BASE M/E: 178
RIC: 14160.

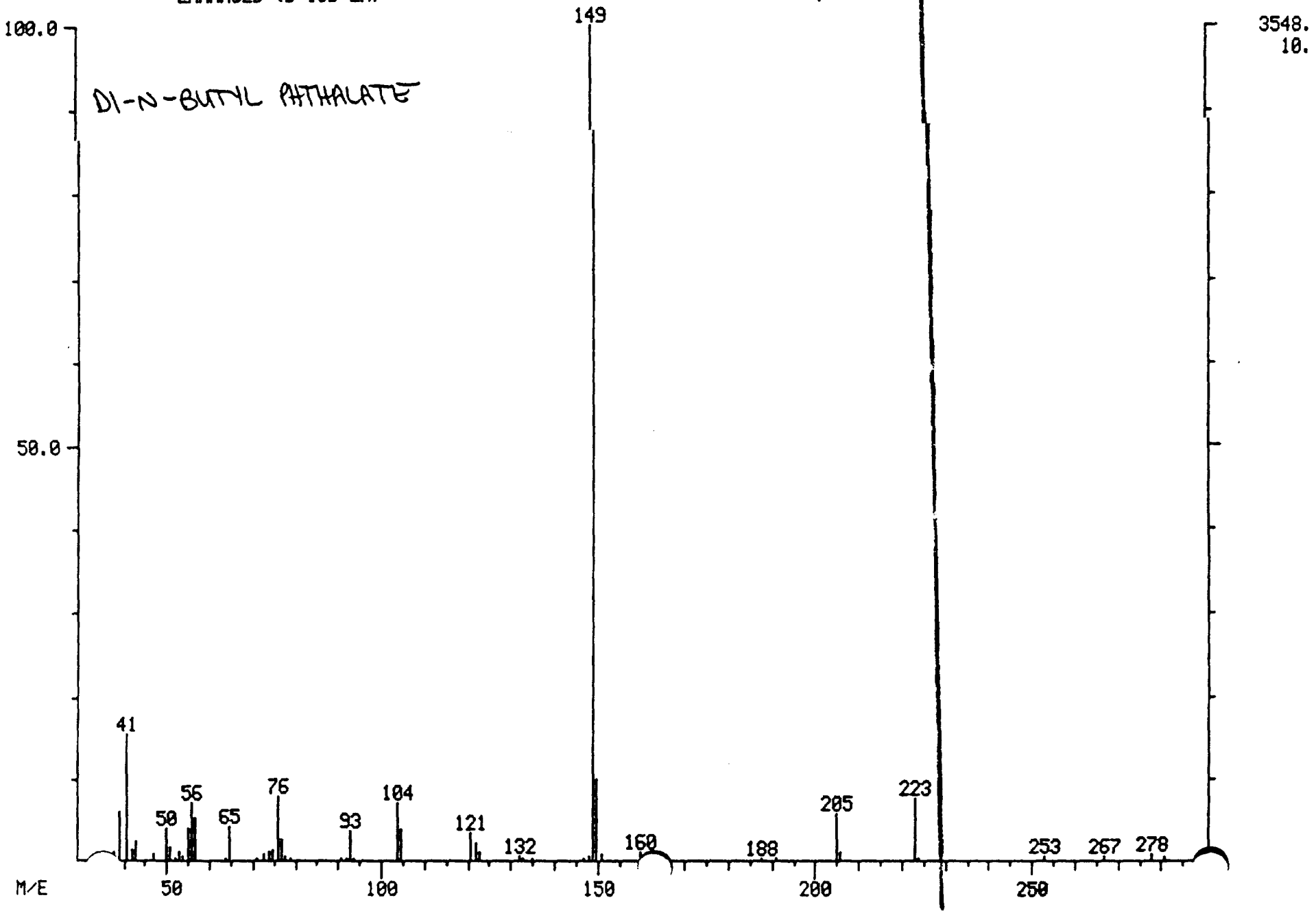


Compound 57

MASS SPECTRUM
08/05/82 11:58:00 + 26:46
SAMPLE: B/N SUPELCO MIX 1,ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN093 #1530

BASE M/E: 149
RIC: 8016.

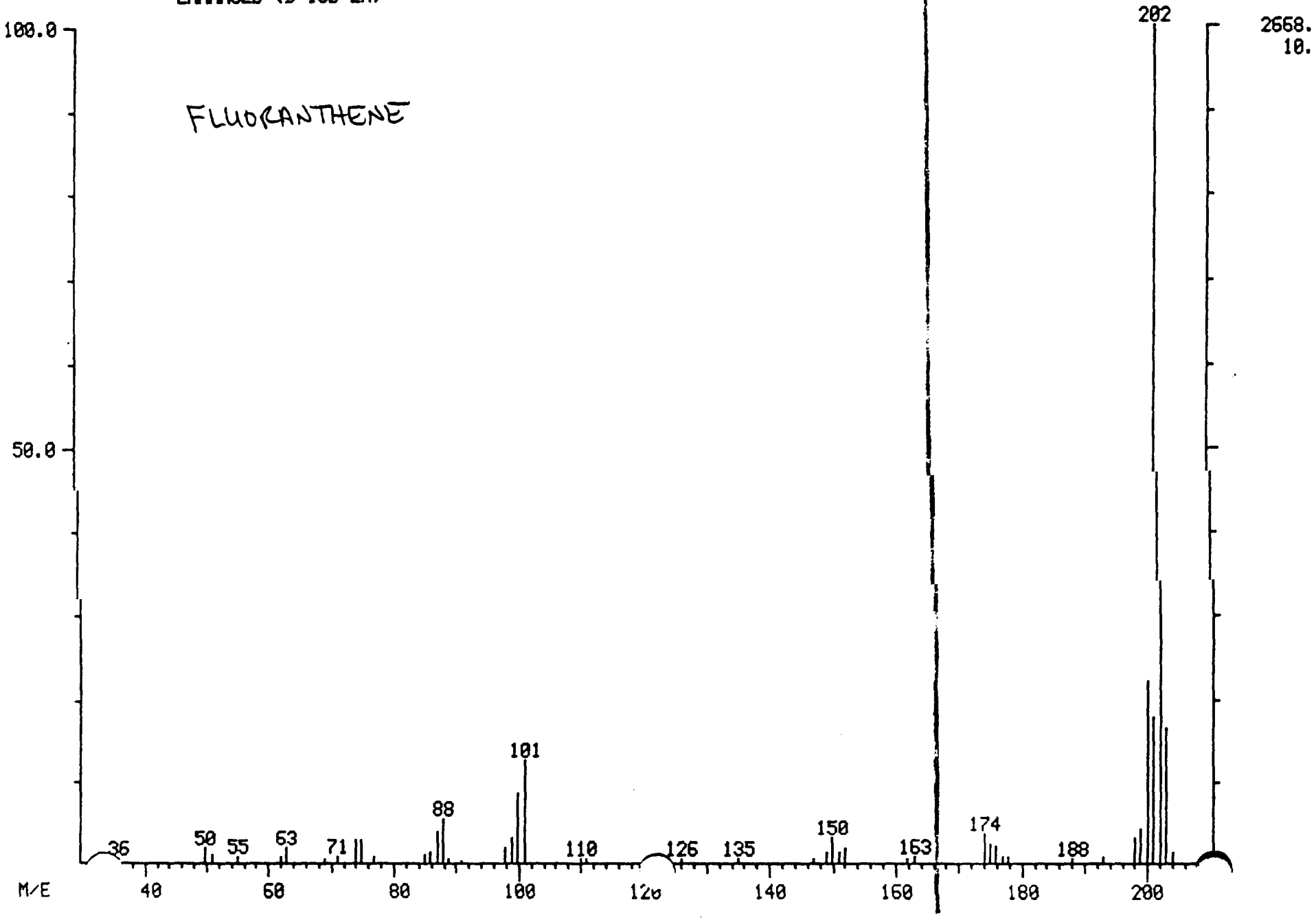


Compound 58

MASS SPECTRUM
08/05/82 14:31:00 + 28:08
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #1608

BASE M/E: 202
RIC: 6504.



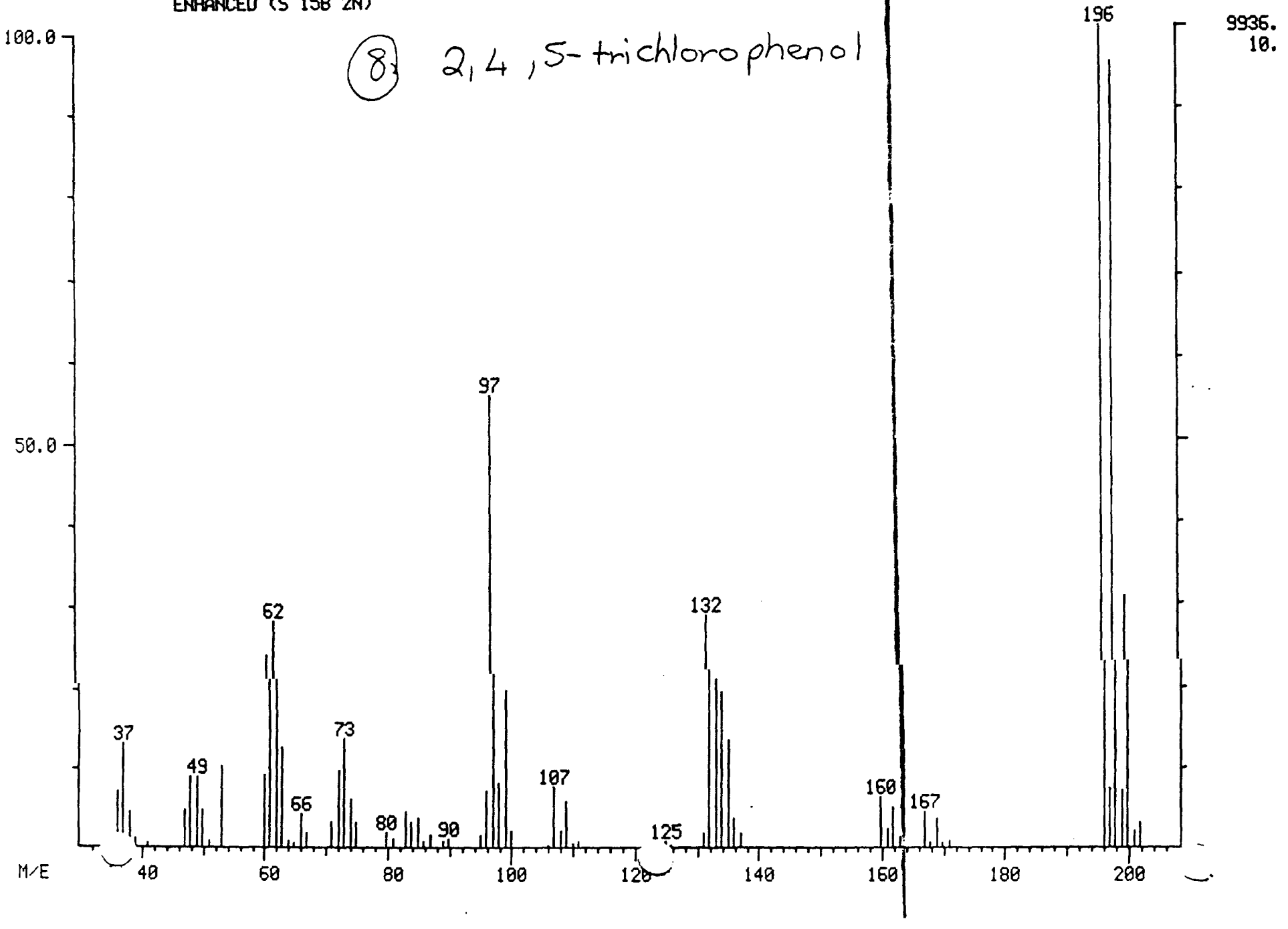
Compound 59

MASS SPECTRUM
09/14/82 17:32:00 + 17:04
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #975

BASE M/E: 196
RIC: 66944.

8 2,4,5-trichlorophenol



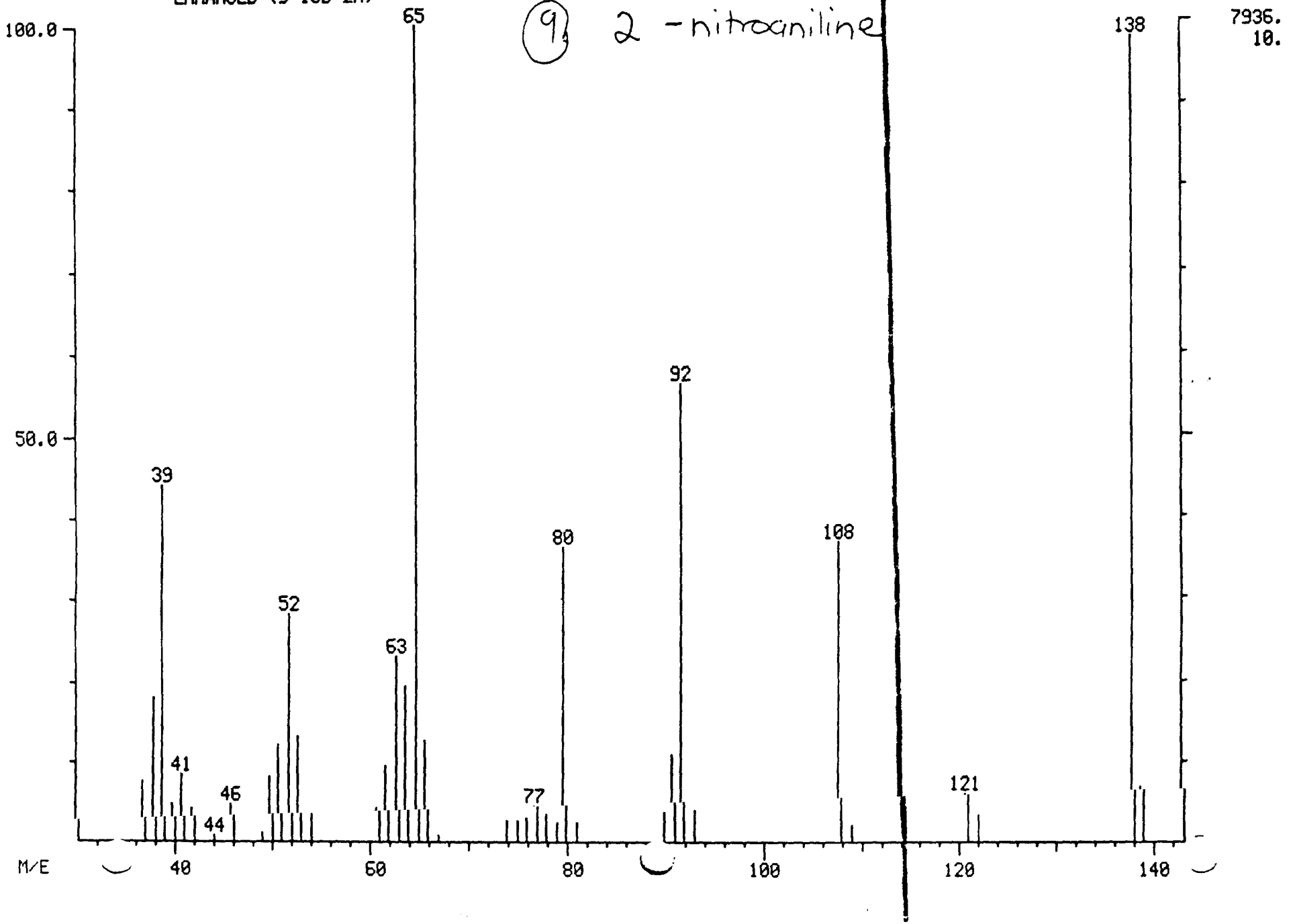
Compound 60

MASS SPECTRUM
09/14/82 17:32:00 + 17:49
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #1018

BASE M/E: 65
RIC: 48768.

9 2-nitroaniline



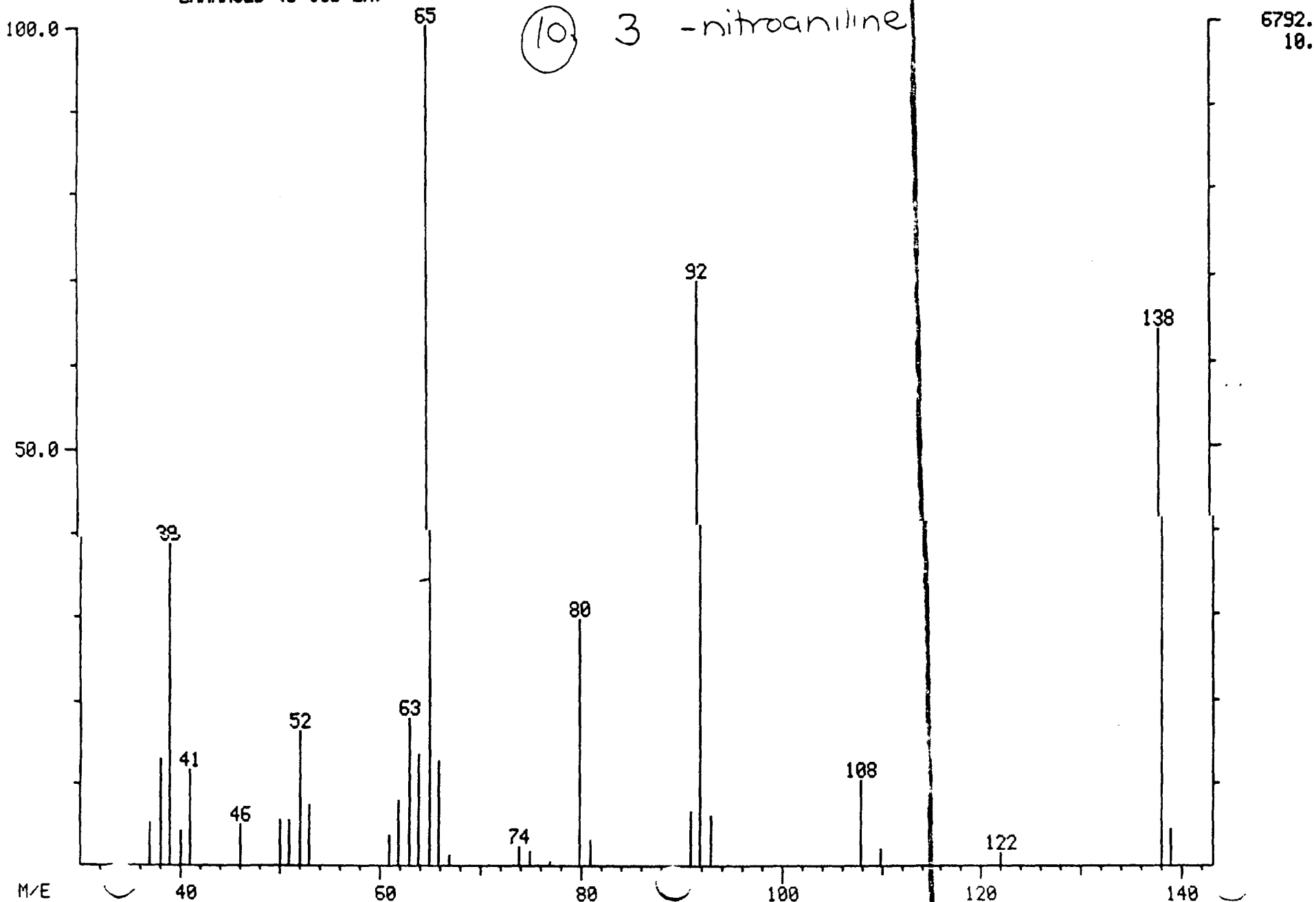
Compound 61

MASS SPECTRUM
09/14/82 17:32:00 + 18:56
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #1082

BASE M/E: 65
RIC: 31936.

(10) 3 -nitroaniline



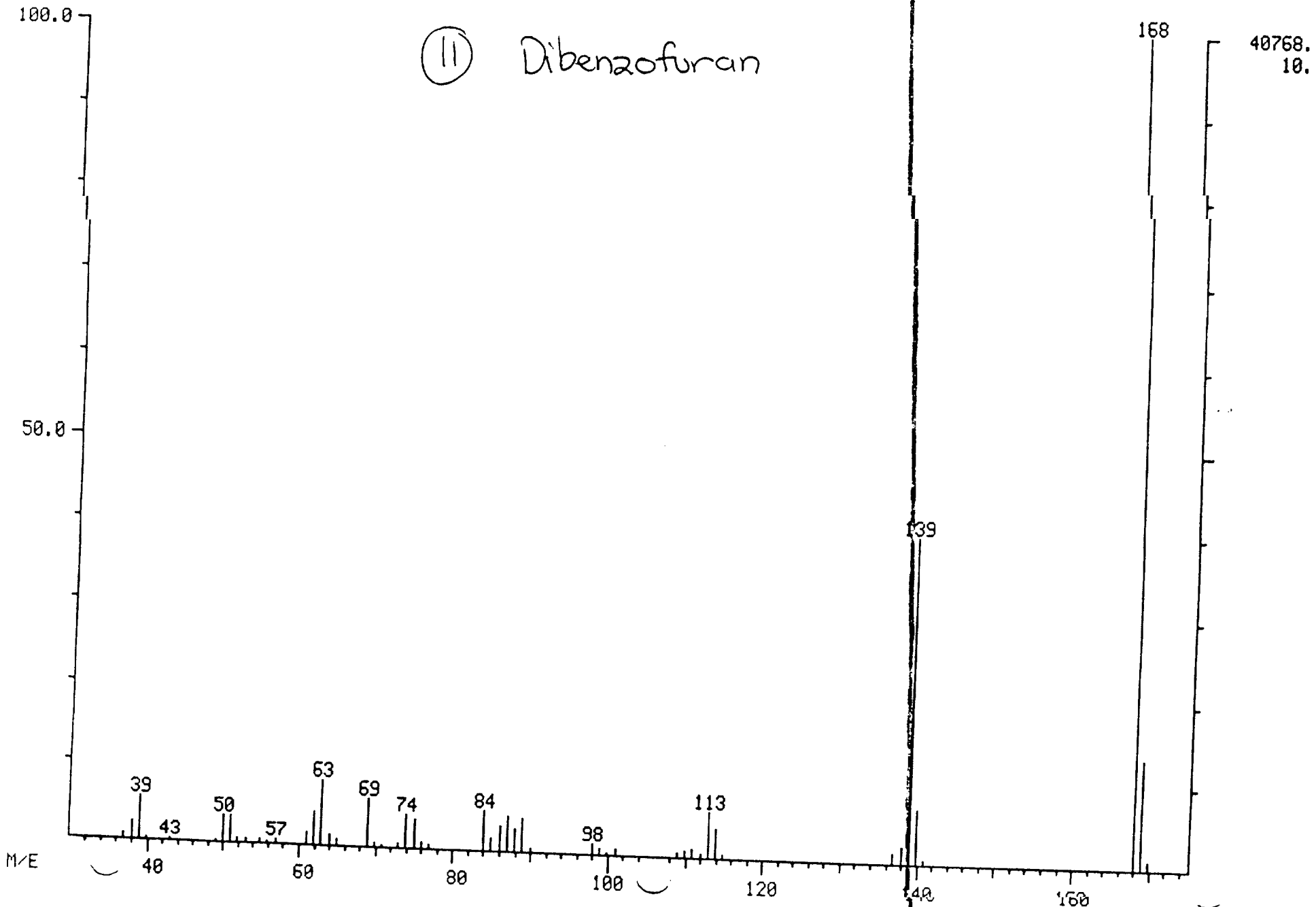
Compound 62

MASS SPECTRUM
09/14/82 17:32:00 + 19:25
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #1110

BASE M/E: 168
RIC: 103424.

(11) Dibenzofuran



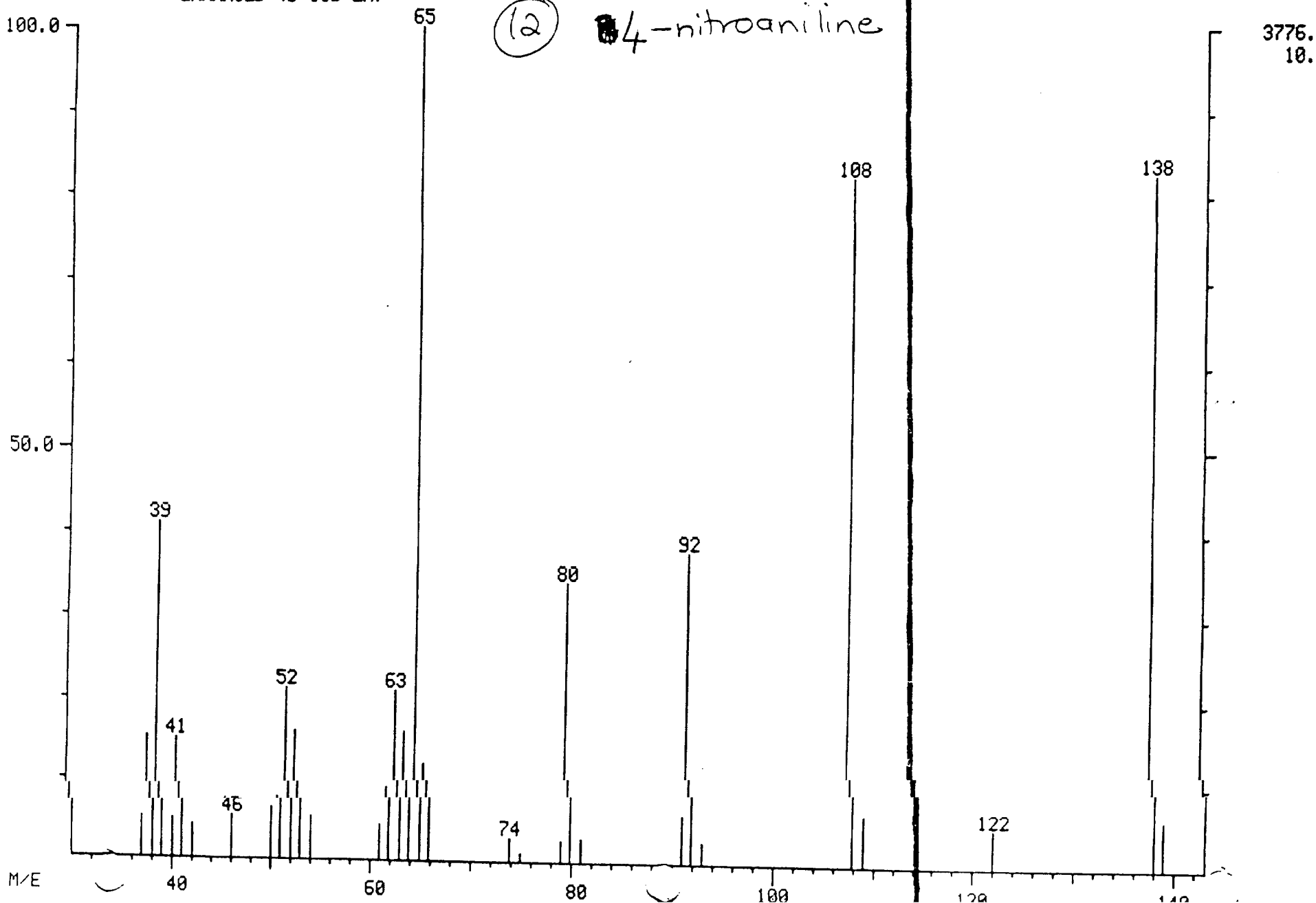
Compound 63

MASS SPECTRUM
09/14/82 17:32:00 + 20:33
SAMPLE: SURROGATES & NON PRIORITY HSL ACIDS/B/N @ 100PPM + 8 IS'S
ENHANCED (S 15B 2N)

DATA: ABN308 #174

BASE M/E: 65
RIC: 22048.

(12) 4-nitroaniline

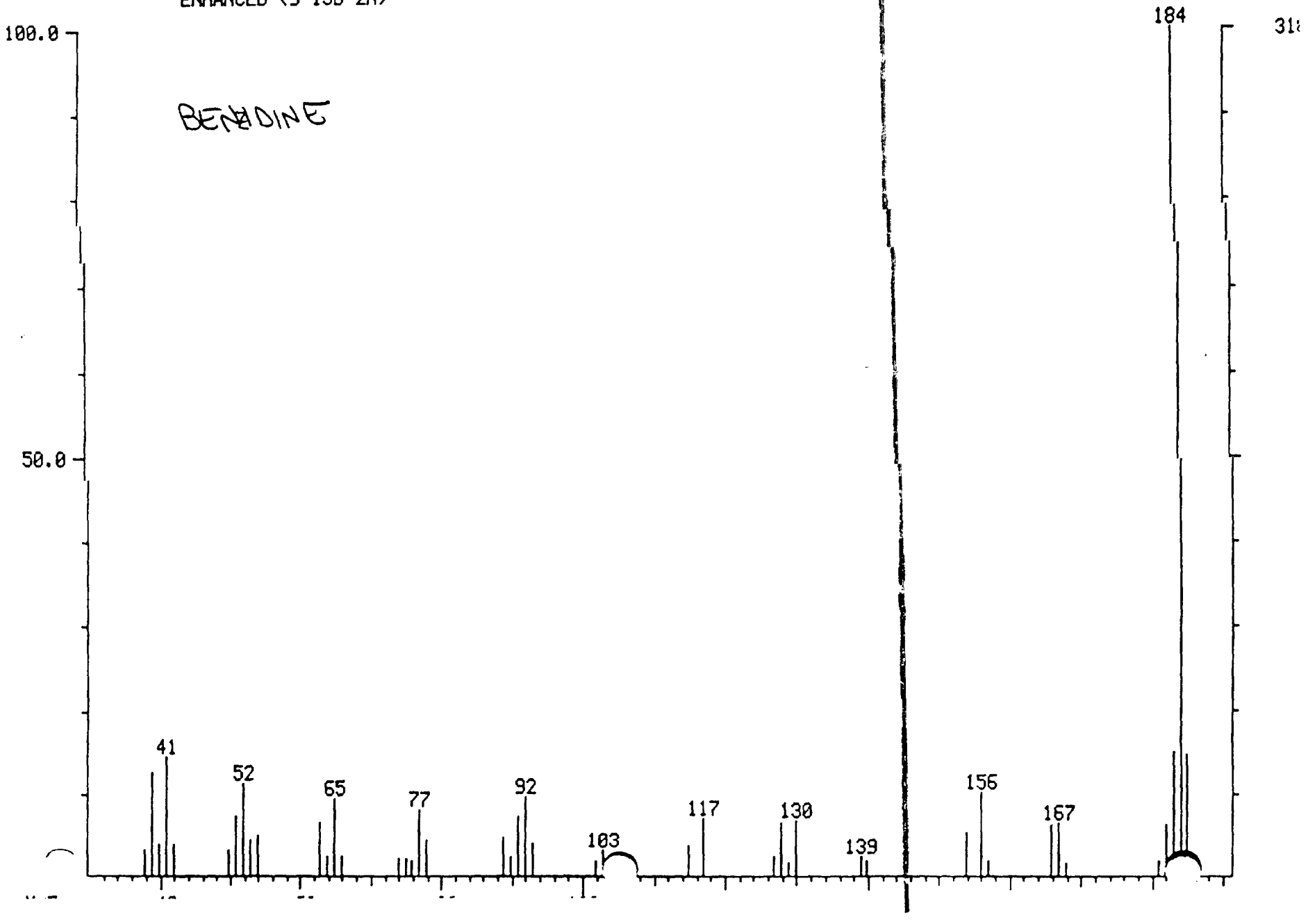


Compound 65

MASS SPECTRUM
08/23/82 20:25:00 + 28:08
SAMPLE: B/N STD 4, SUPELCO, @ 200PPM
ENHANCED (S 15B 2N)

DATA: ABN183 #1608

BASE M/E: 184
RIC: 10944.

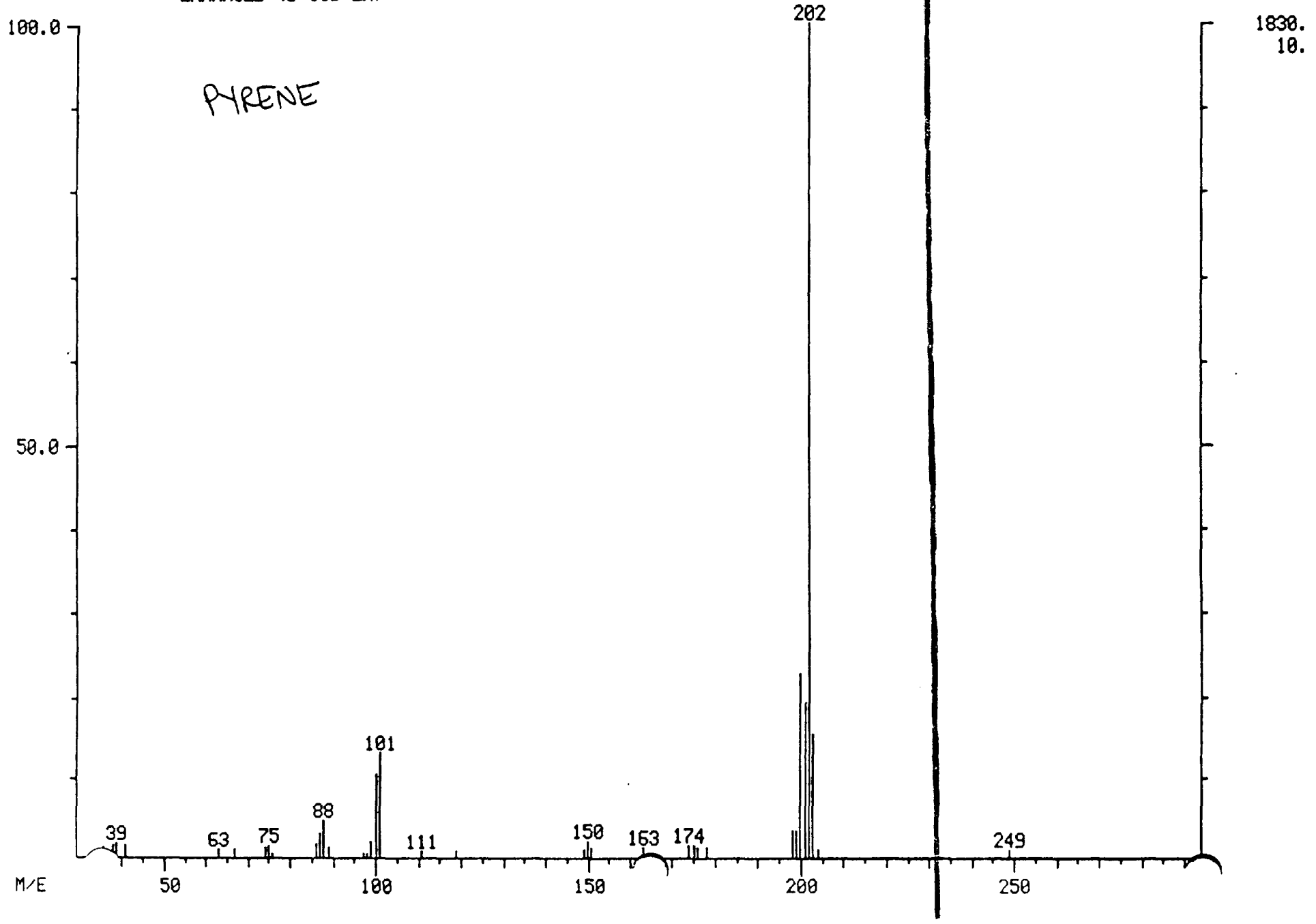


Compound 66

MASS SPECTRUM
08/05/82 13:39:00 + 28:37
SAMPLE: B/N SUPELCO MIX 2, ALL AT 50PPM, +IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN094 #1635

BASE M/E: 202
RIC: 4264.

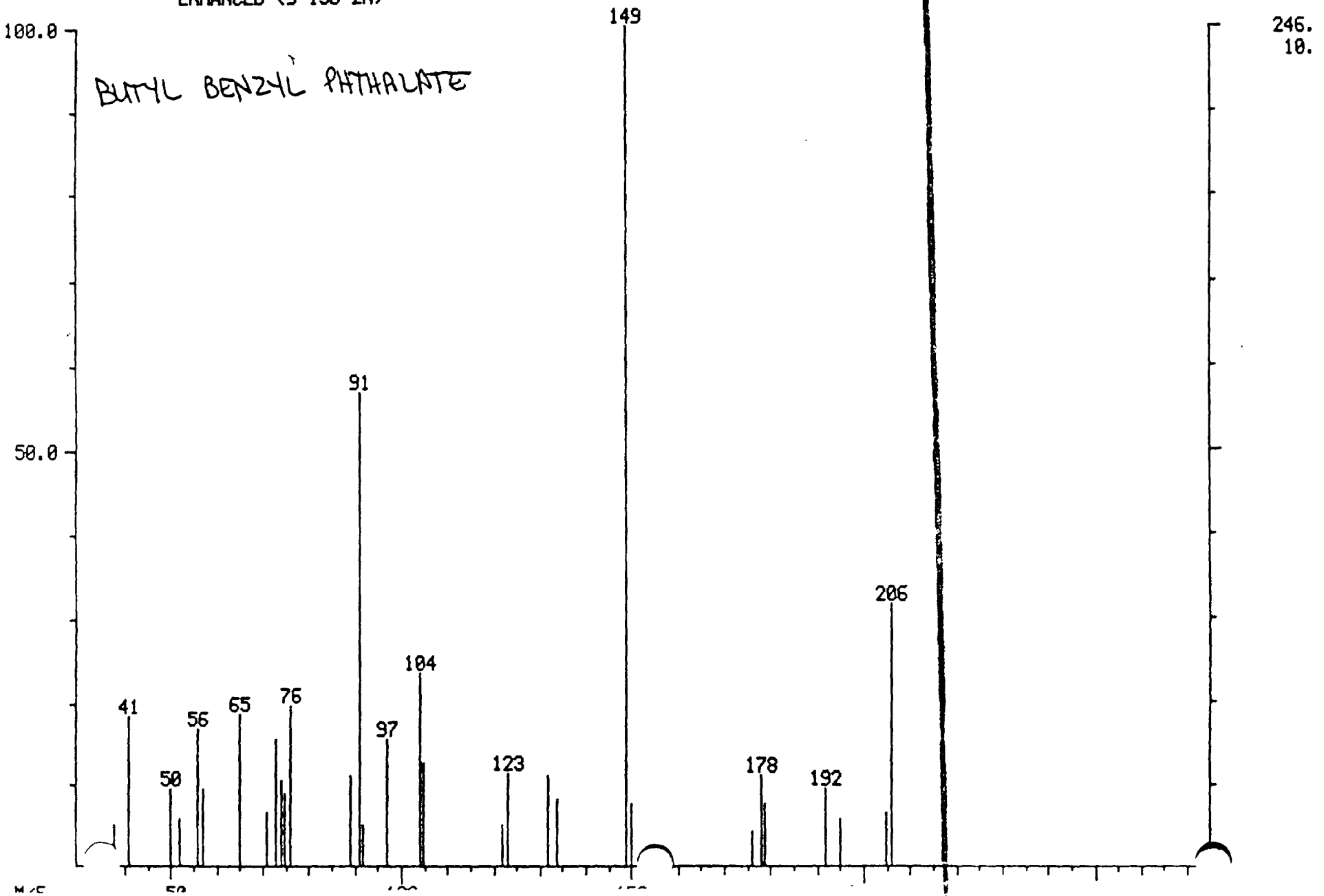


Compound 67

MASS SPECTRUM
08/05/82 14:31:00 + 30:45
SAMPLE: B/N SUPELCO MIX 3, ALL AT 50PPM, + IS AT 25PPM
ENHANCED (S 15B 2N)

DATA: ABN095 #1757

BASE M/E: 149
RIC: 1234.



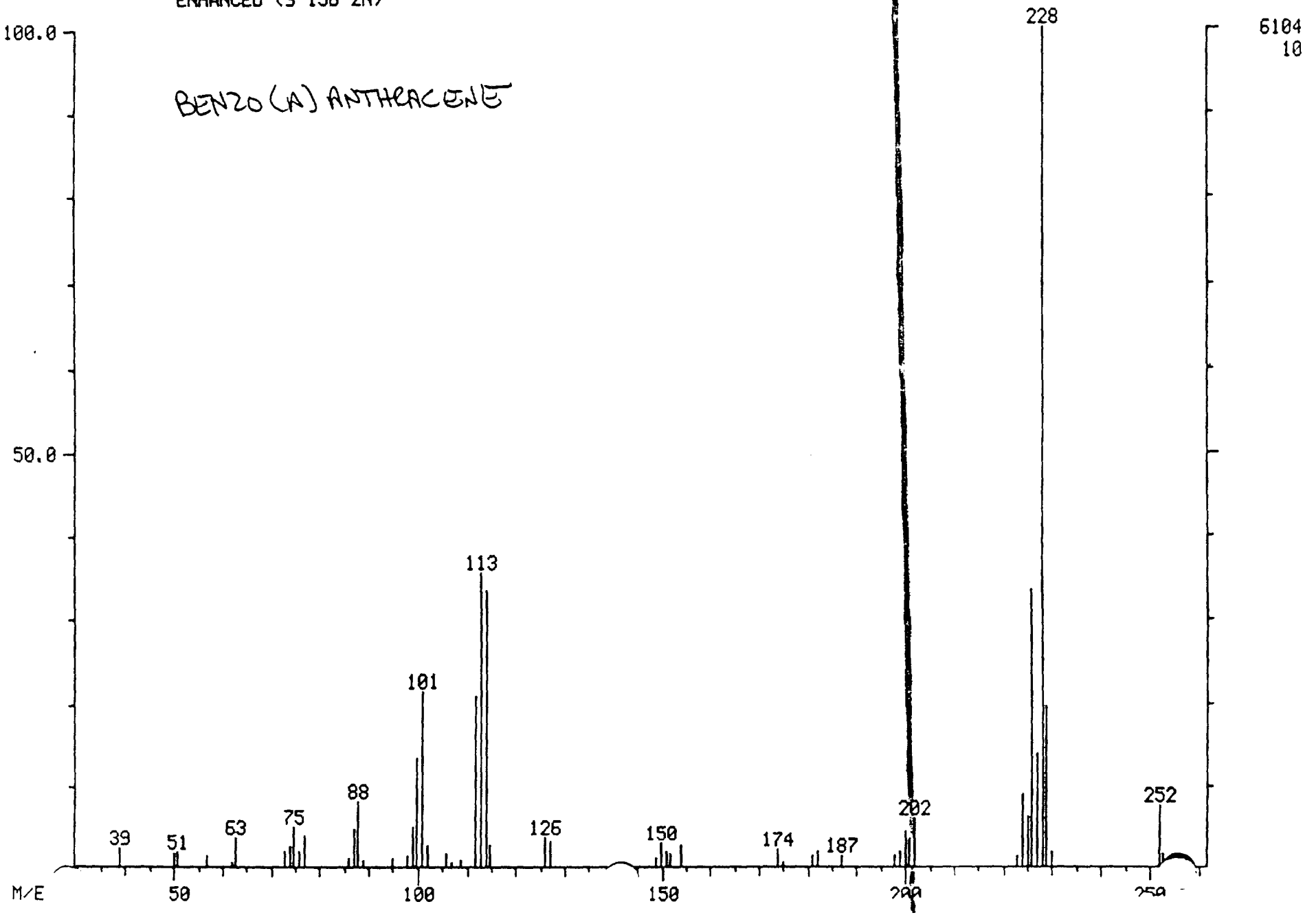
Compound 68

MASS SPECTRUM
08/25/82 17:42:00 + 31:38
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1808

BASE M/E: 228
RIC: 25440.

BENZO(A) ANTHRACENE

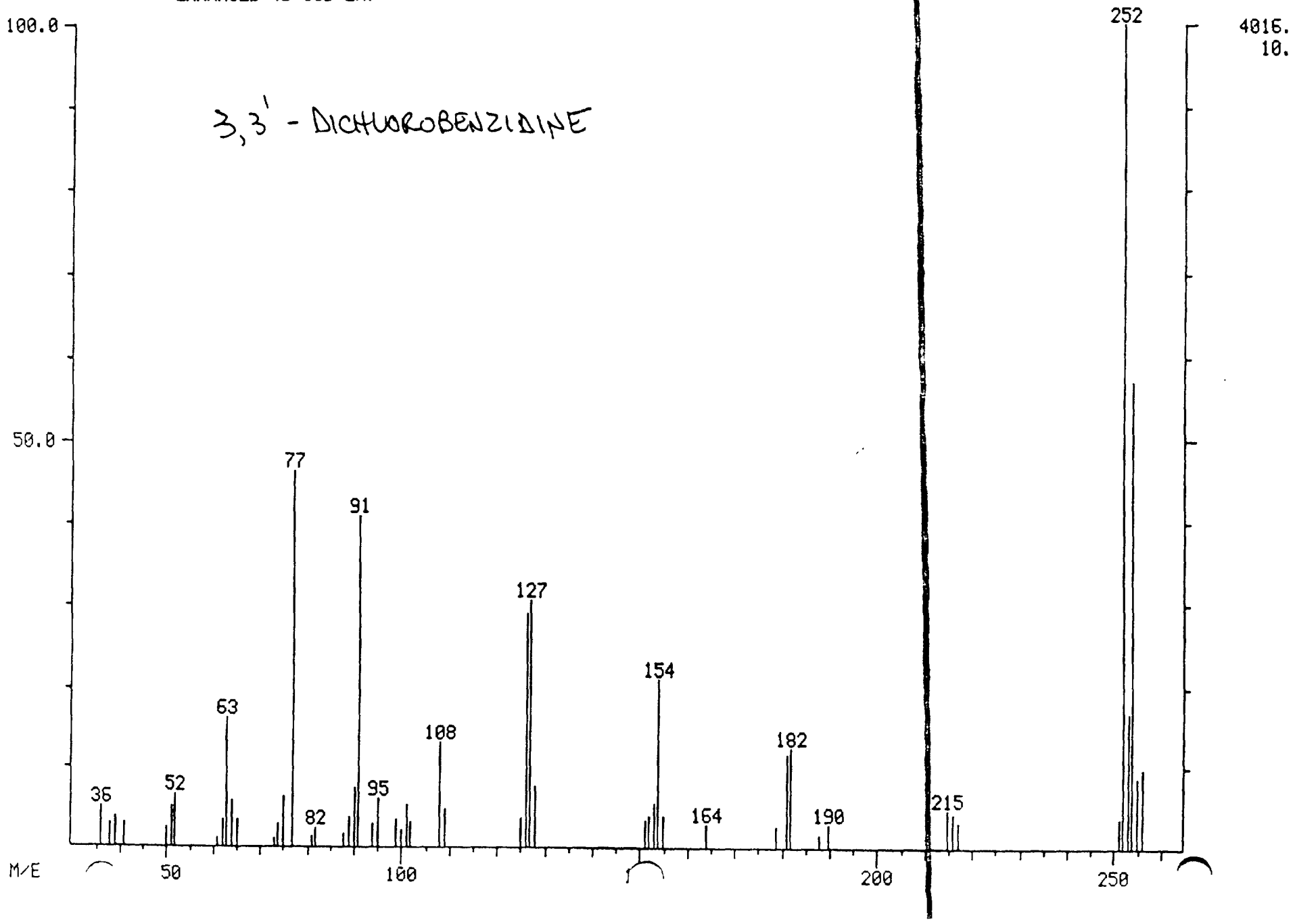


Compound 69

MASS SPECTRUM
02/01/83 11:26:00 + 29:23
SAMPLE: EPA B/N STD #4 (BENZIDINE & 3,3'-DICHLOROBENZIDINE) @ 50PPM + IS
ENHANCED (S 15B 2N)

DATA: ABN813 #1679

BASE M/E: 252
RIC: 22592.

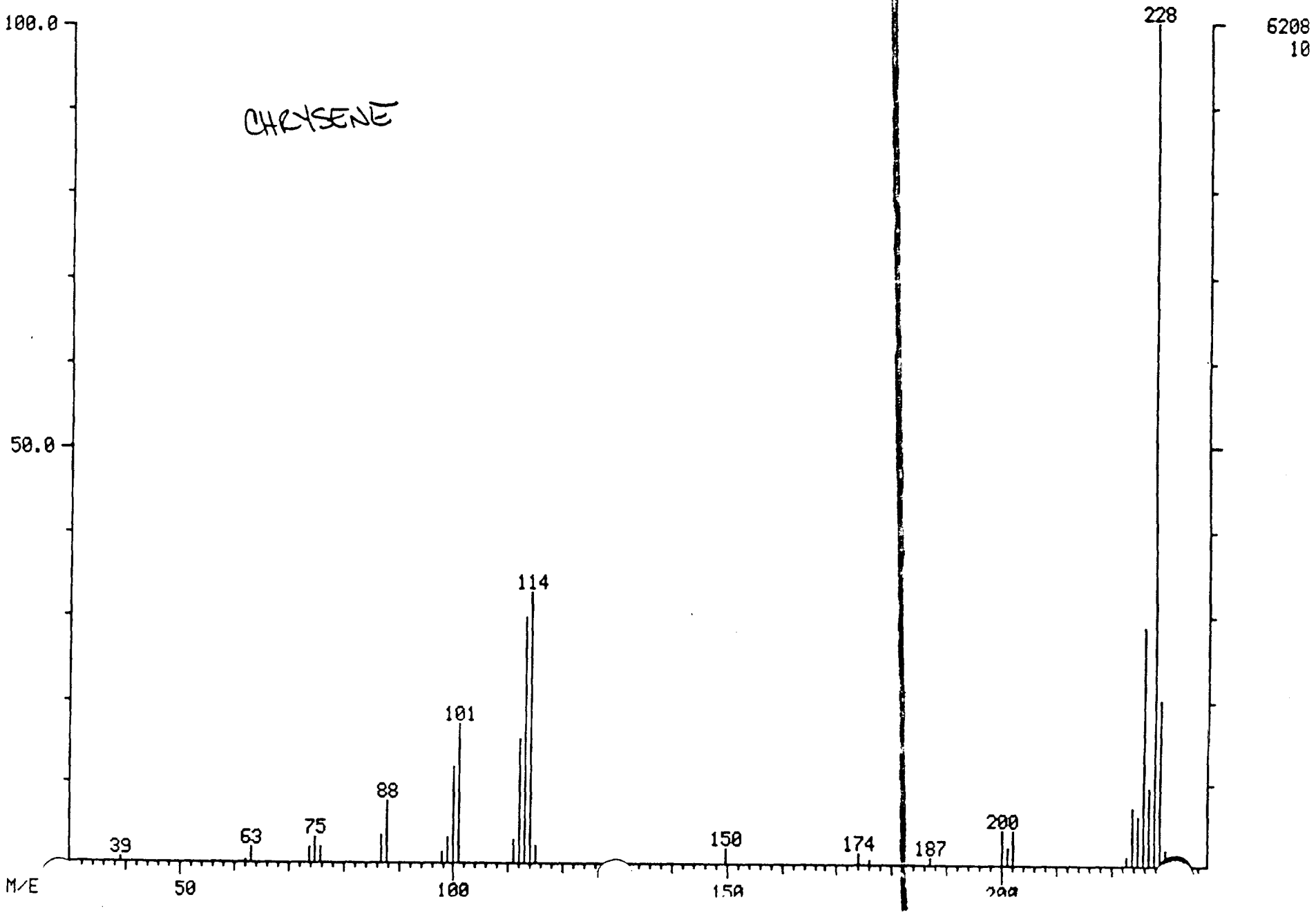


Compound 70

MASS SPECTRUM
08/25/82 17:42:00 + 31:31
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1801

BASE M/E: 228
RIC: 20288.

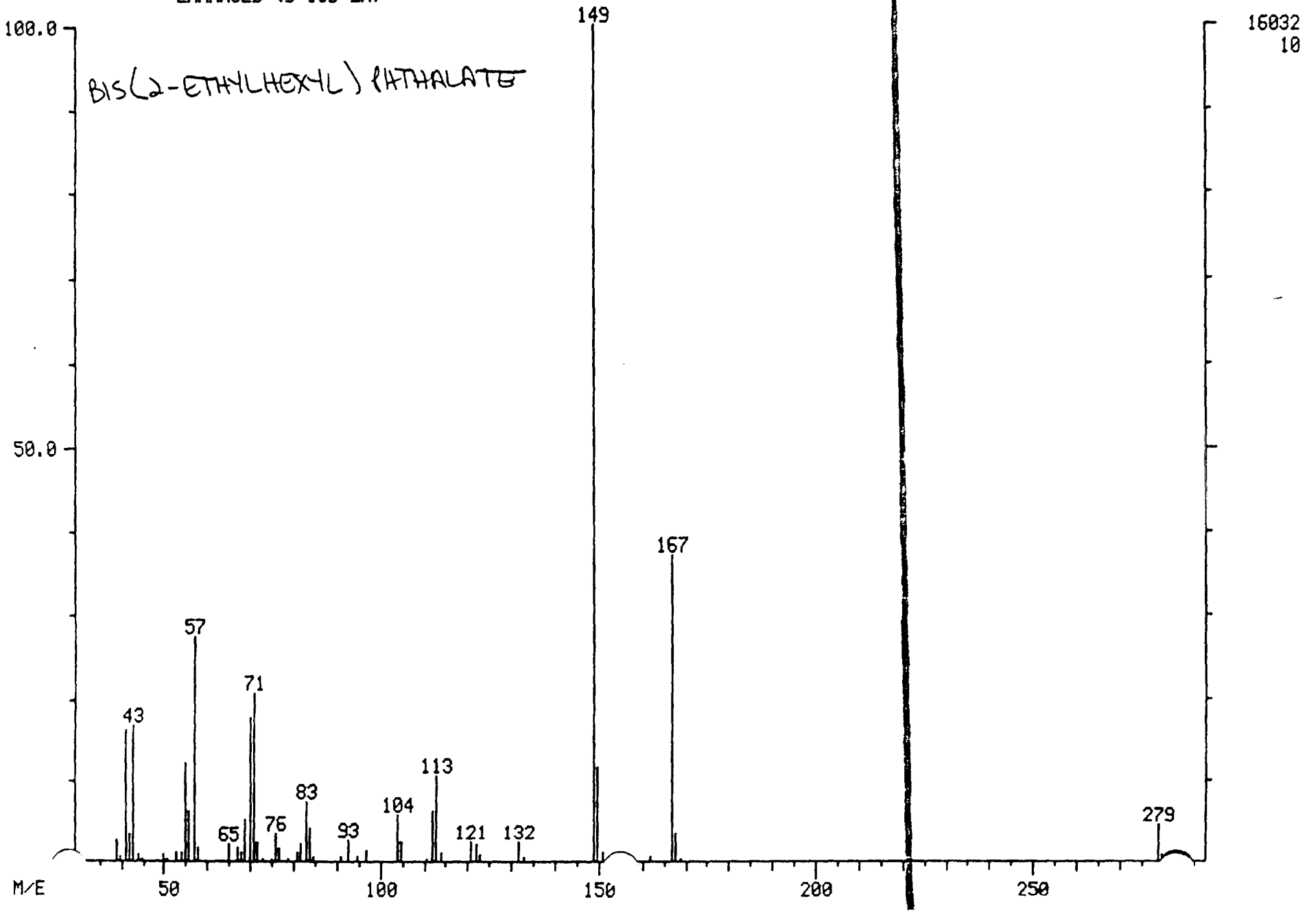


Compound 71

MASS SPECTRUM
08/25/82 17:42:00 + 31:58
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1827

BASE M/E: 149
RIC: 58112.

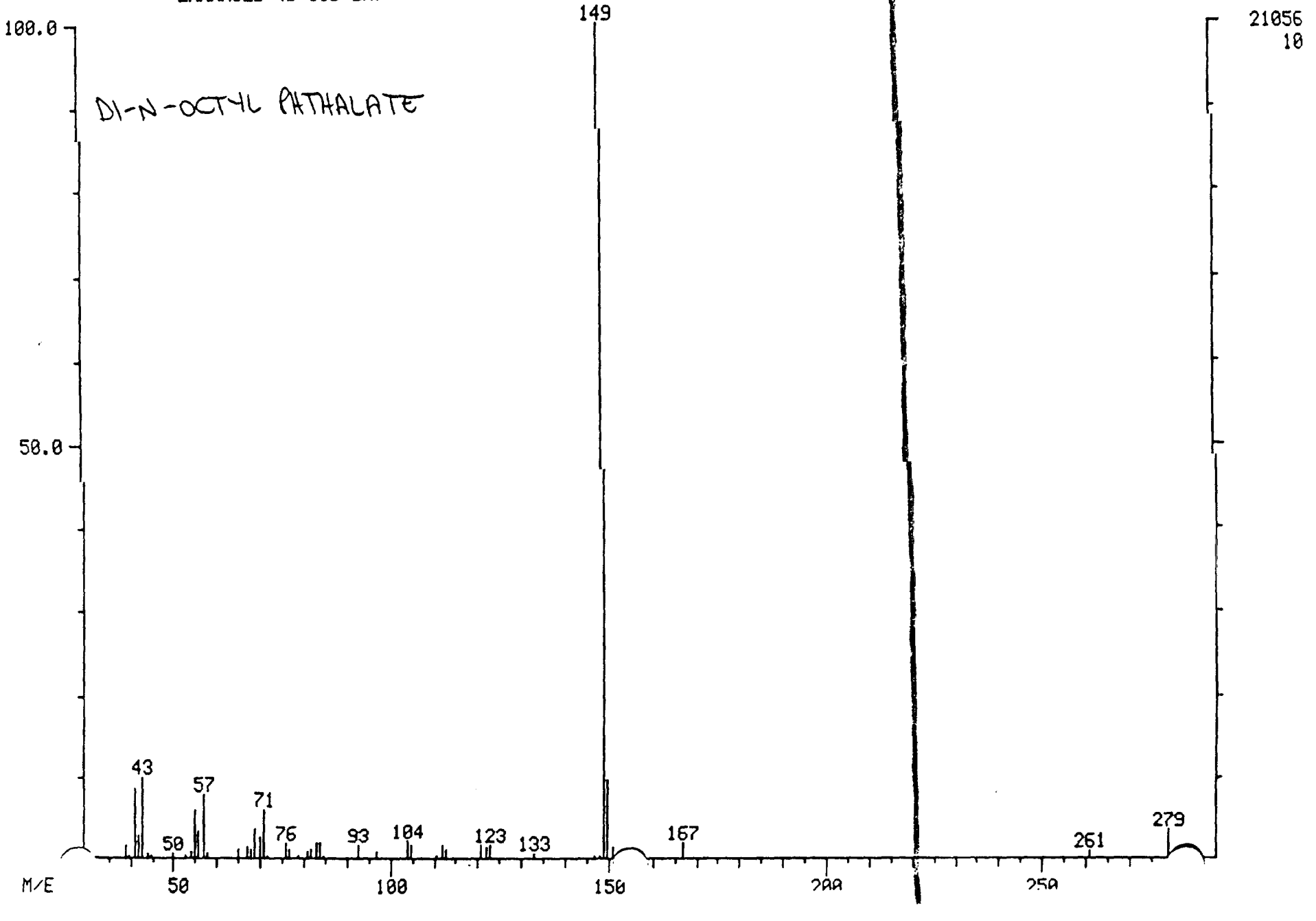


Compound 74

MASS SPECTRUM
08/25/82 17:42:00 + 33:37
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1921

BASE M/E: 149
RIC: 42176.



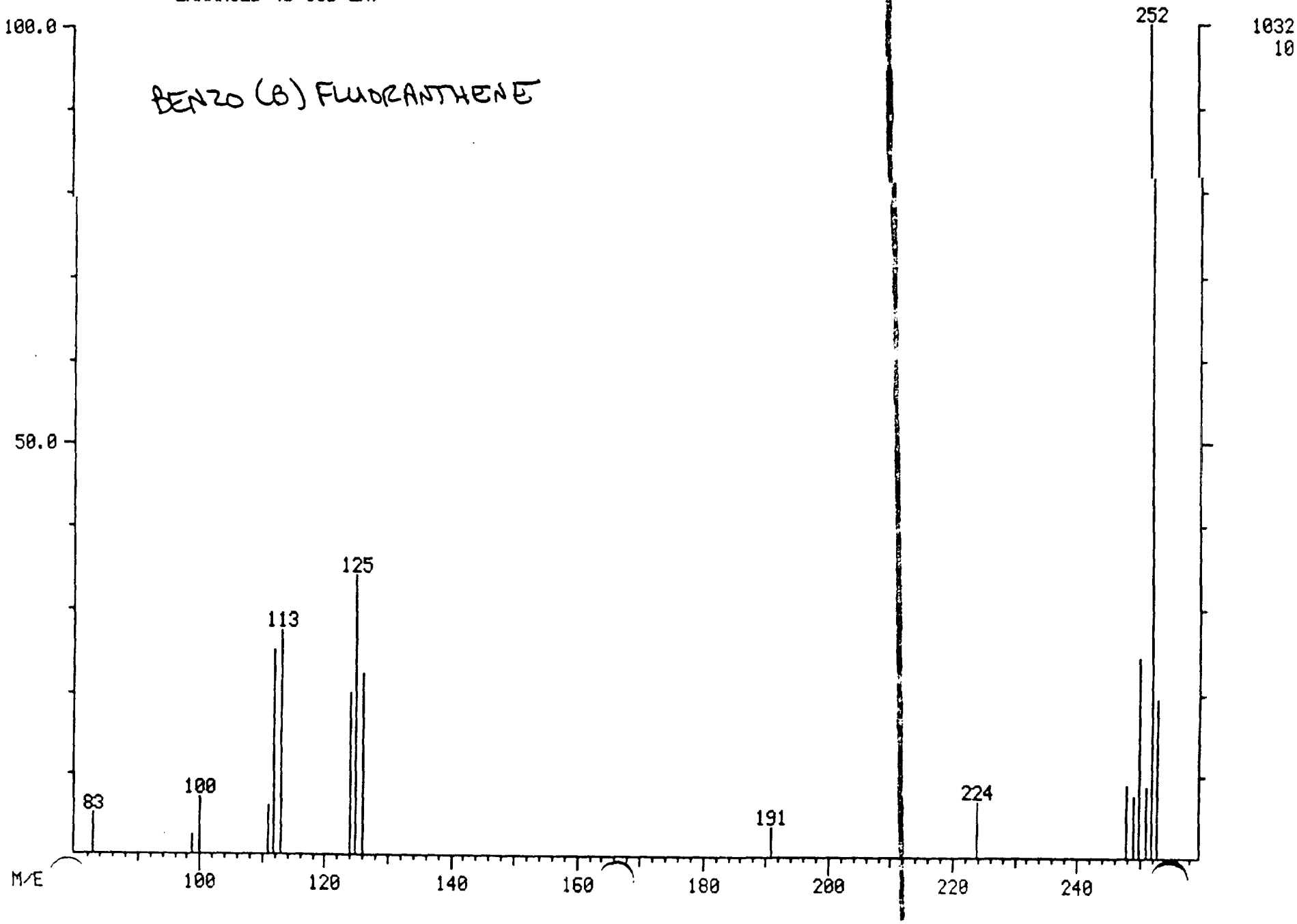
Compound 75

MASS SPECTRUM
08/25/82 17:42:00 + 34:31
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1972

BASE M/E: 252
RIC: 3396.

BENZO (B) FLUORANTHENE

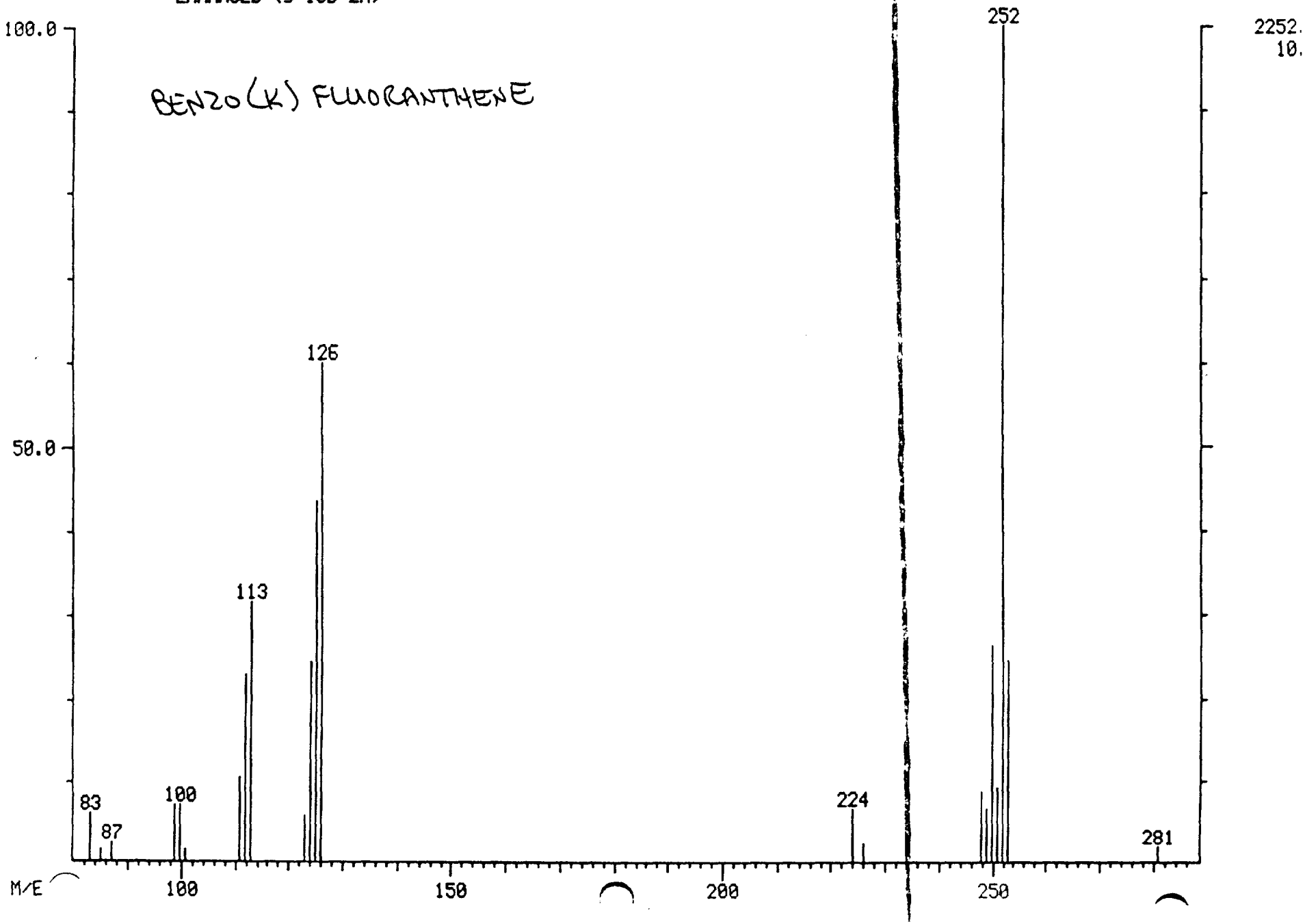


Compound 76

MASS SPECTRUM
08/25/82 17:42:00 + 34:35
SAMPLE: B/N STD,SUPELCO, @50PPM, +IS
ENHANCED (S 15B 2N)

DATA: ABN187 #1976

BASE M/E: 252
RIC: 9280.

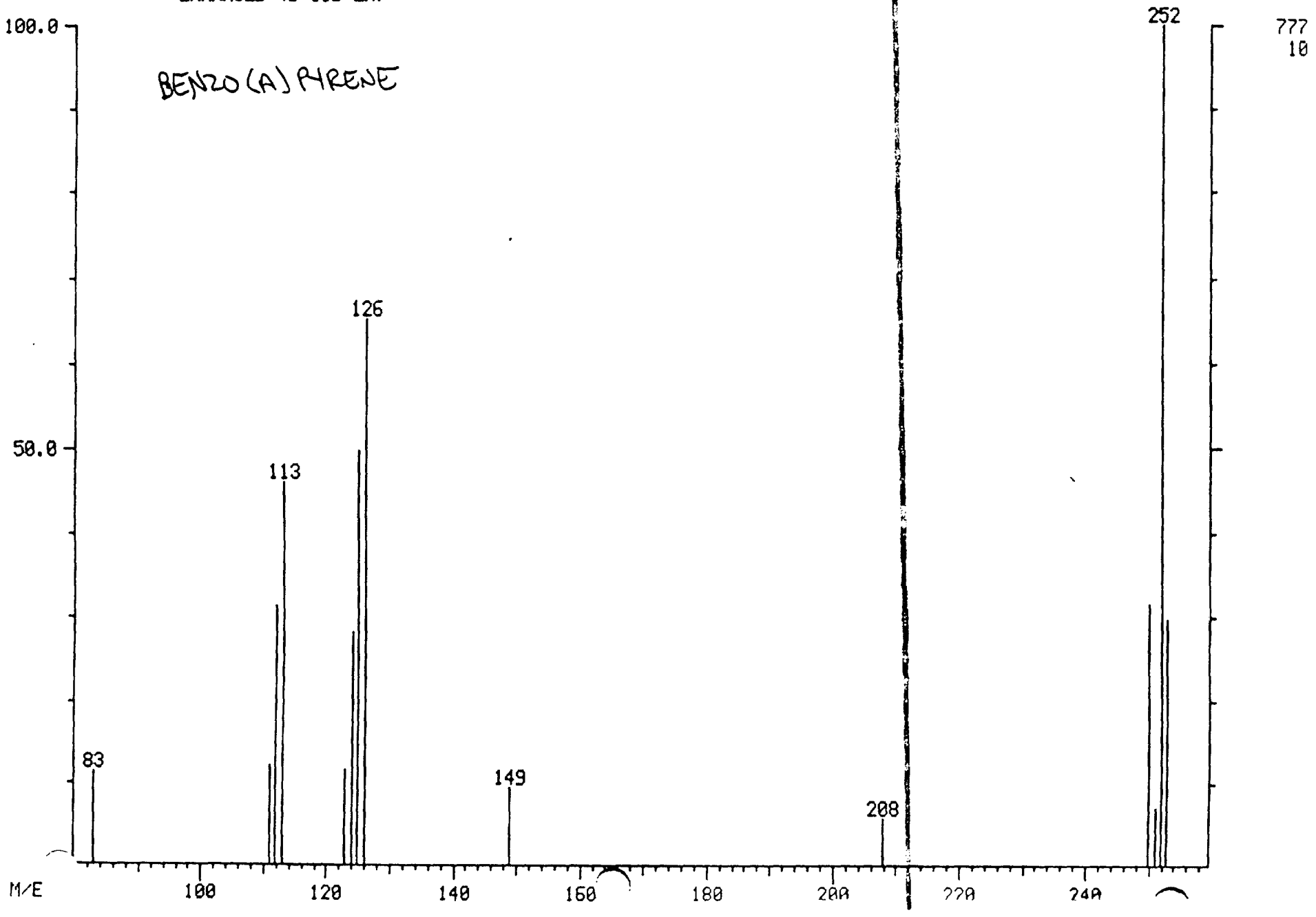


Compound 77

MASS SPECTRUM
08/25/82 17:42:00 + 35:34
SAMPLE: B/N STD,SUPELCO, @50PPM, +15
ENHANCED (S 15B 2N)

DATA: ABN187 #2032

BASE M/E: 252
RIC: 3415.



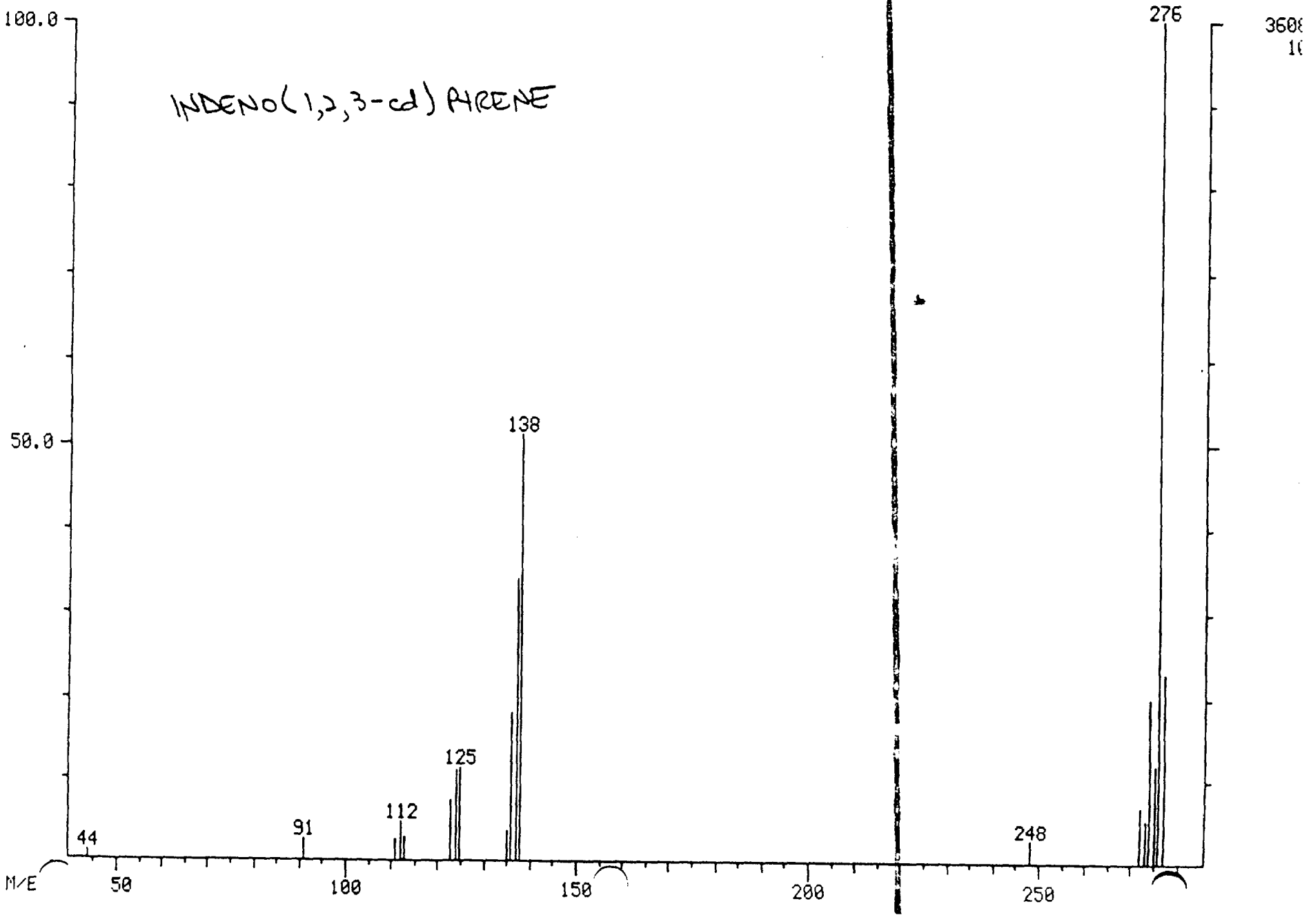
Compound 78

MASS SPECTRUM
10/05/82 12:17:00 + 38:40
SAMPLE: SUPELCO STANDARDS 1,2,3,4 + IS @ 50 PPM
ENHANCED (S 15B 2N)

DATA: ABN366 #2210

BASE M/E: 276
RIC: 11536.

INDENO(1,2,3-cd) PYRENE

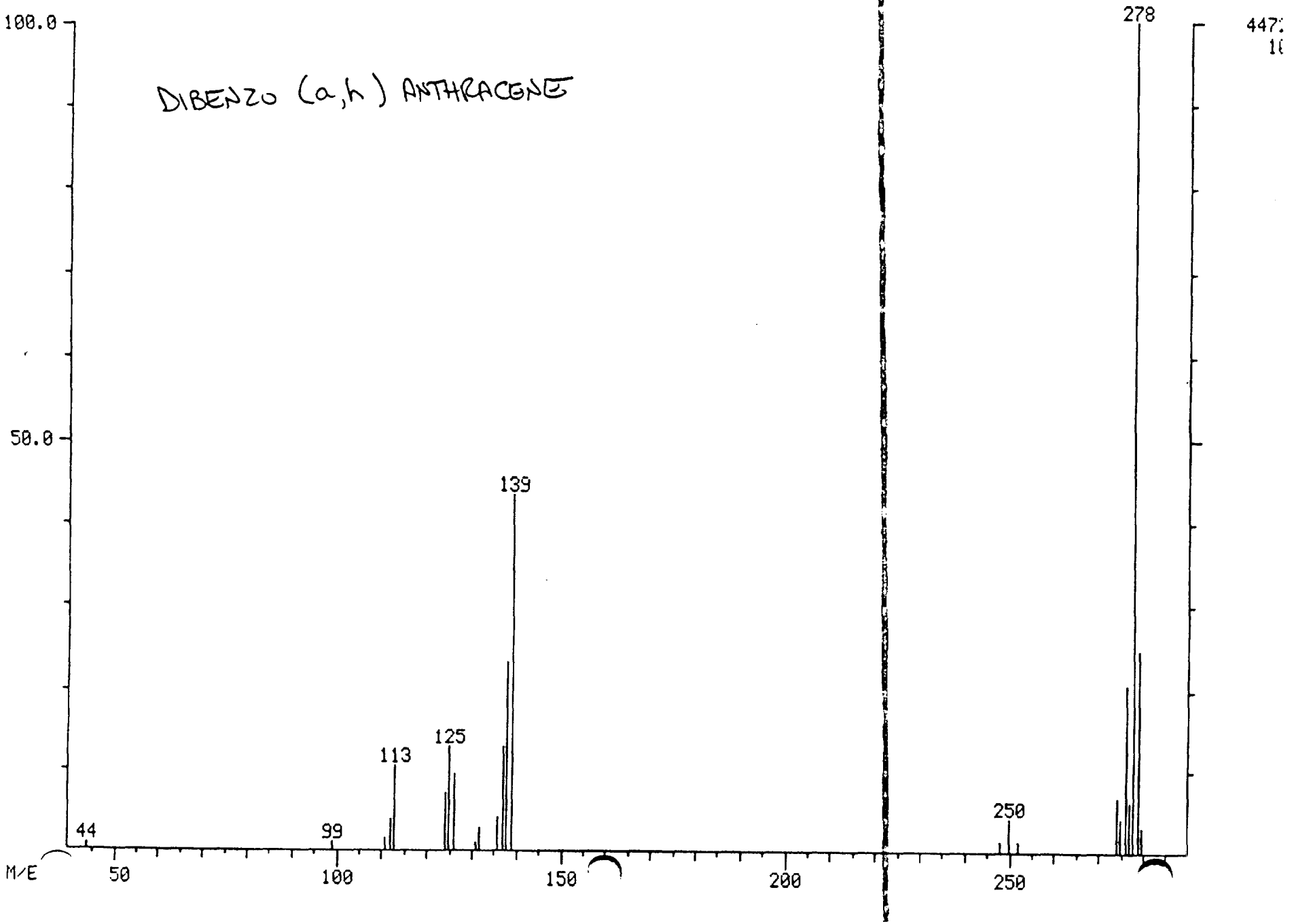


Compound 79

MASS SPECTRUM
10/05/82 12:17:00 + 38:51
SAMPLE: SUPELCO STANDARDS 1,2,3,4 + IS @ 50 PPM
ENHANCED (S 15B 2N)

DATA: ABN366 #2220

BASE M/E: 278
RIC: 13760.



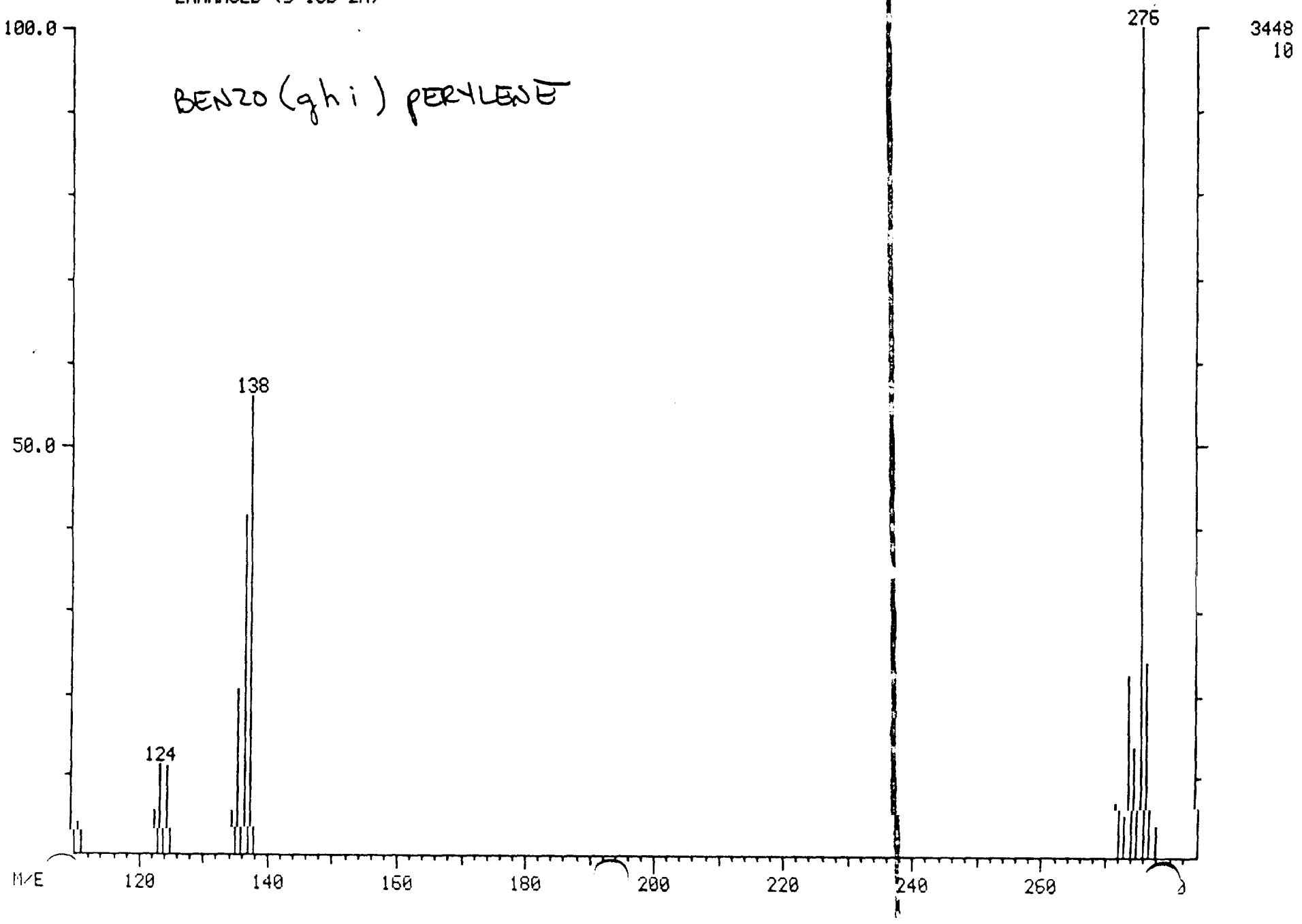
Compound 80

MASS SPECTRUM
10/05/82 12:17:00 + 39:50
SAMPLE: SUPELCO STANDARDS 1,2,3,4 + IS @ 50 PPM
ENHANCED (S 15B 2N)

DATA: ABN366 #2276

BASE M/E: 276
RIC: 11456.

BENZO (ghi) PERYLENE



FOR 'SOIL' BLANK, 77056-4MS and 77056-4DMS

INITIAL CALIBRATION DATA - VOLATILE HSL COMPOUNDS

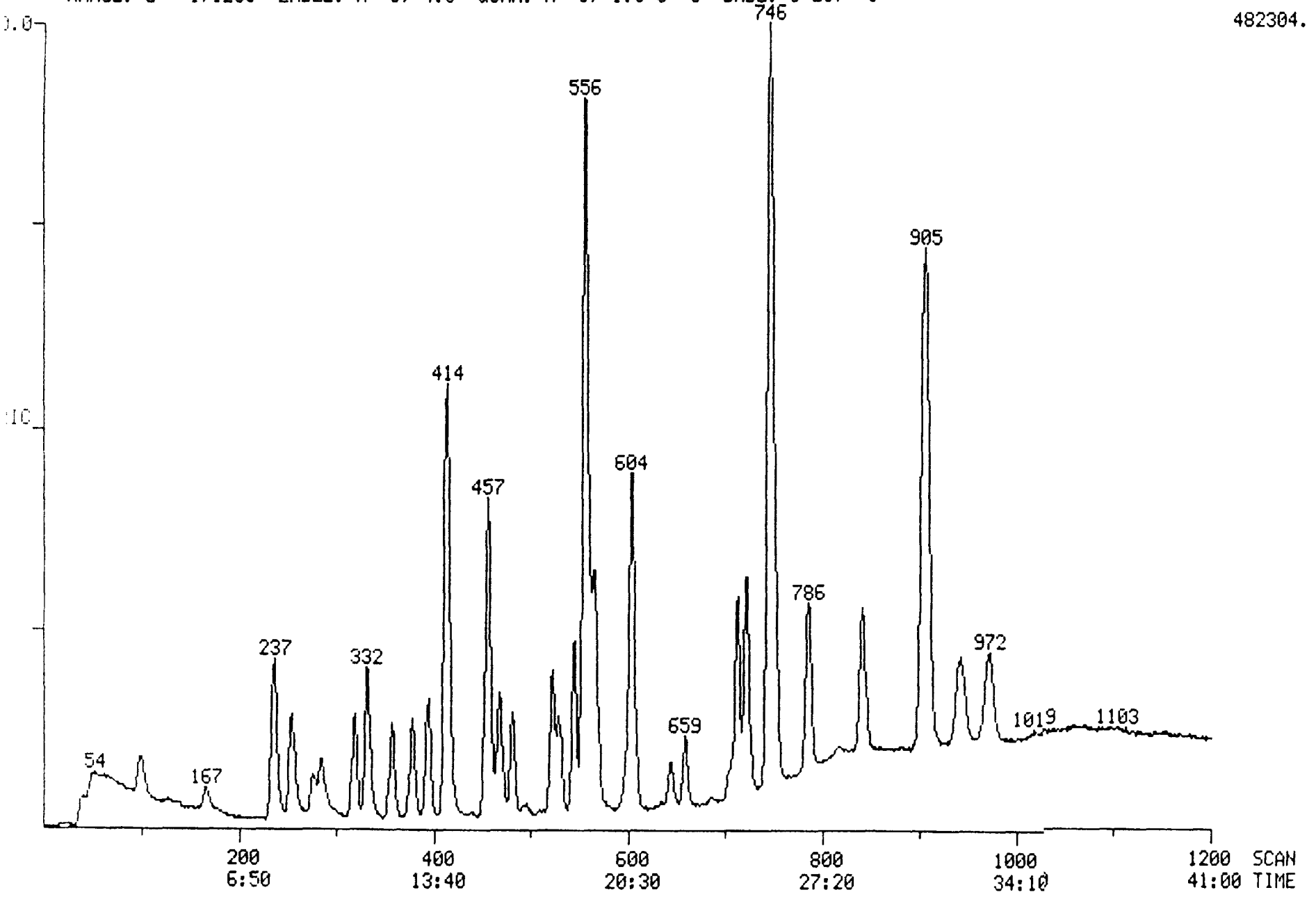
CASE NO. 2459/2502 CONTRACT LAB USTCO CONTRACT NO. 68-01-6786
INSTRUMENT IDENTIFIER VOA CALIBRATION DATE 2-26-84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-200 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| CHLOROMETHANE | .160 | .265 | .168 | .165 | .199 | |
| BROMOMETHANE | .299 | 2.049 | 1.714 | 1.144 | 1.634 | |
| DICHLORODIFLUOROMETHANE | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| VINYL CHLORIDE | .389 | .175 | .100 | .091 | .122 | |
| CHLOROETHANE | .503 | 1.254 | 1.103 | 1.000 | 1.119 | |
| METHYLENE CHLORIDE | .711 | 3.671 | 2.523 | 2.372 | 2.855 | |
| TRICHLOROFLUOROMETHANE | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| ETHENE 1,1-DICHLORO- | .961 | 3.655 | 2.951 | 2.927 | 3.178 | |
| ETHANE 1,1-DICHLORO- | 1.079 | 4.341 | 3.799 | 3.935 | 4.025 | |
| 1,2-TRANS-DICHLOROETHENE | 1.139 | 2.022 | 1.787 | 1.802 | 1.870 | |
| CHLOROFORM | 1.190 | 4.156 | 3.753 | 3.918 | 3.942 | |
| ETHANE 1,2-DICHLORO- | 1.256 | 2.890 | 2.600 | 2.666 | 2.719 | |
| ETHANE 1,1,1-TRICHLORO- | 1.373 | 2.671 | 2.359 | 2.337 | 2.456 | |
| CARBONTETRACHLORIDE | .775 | .607 | .565 | .590 | .587 | |
| BROMODICHLOROMETHANE | .798 | .948 | .963 | 1.018 | .976 | |
| PROPANE 1,2-DICHLORO- | .866 | .818 | .719 | .734 | .757 | |
| 1,3-TRANS-DICHLOROPROPENE | .877 | .762 | .751 | .786 | .766 | |
| TRICHLOROETHYLENE | .902 | .861 | .709 | .673 | .748 | |
| CHLORODIBROMOMETHANE | .931 | .615 | .700 | .693 | .669 | |
| BENZENE | .927 | 1.873 | 1.582 | 1.493 | 1.649 | |
| ETHANE 1,1,2-TRICHLORO | .939 | .475 | .465 | .456 | .465 | |
| 1,3-CIS-DICHLOROPROPENE | .939 | .604 | .661 | .688 | .651 | |
| 2-CHLOROETHYL VINYL ETHER | .997 | .339 | .298 | .304 | .314 | |
| BROMOFORM | 1.066 | .327 | .410 | .411 | .383 | |
| ETHANE 1,1,2,2-TETRACHLORO- | .986 | .377 | .532 | .560 | .490 | |
| ETHENE TETRACHLORO- | .986 | .834 | .795 | .730 | .786 | |
| TOLUENE | 1.040 | 2.037 | 1.834 | 1.713 | 1.861 | |
| CHLOROBENZENE | 1.087 | 1.498 | 1.441 | 1.371 | 1.437 | |
| ETHLYBENZENE | 1.163 | 2.055 | 2.022 | 1.935 | 2.004 | |
| | | | | | | |
| ACETONE | .765 | 2.003 | .118 | .102 | .741 | |
| 2-BUTANONE | .685 | .286 | .050 | .039 | .125 | |
| CARBONDISULFIDE | .855 | 4.427 | 4.148 | 4.332 | 4.302 | |
| 2-HEXANONE | .974 | .417 | .414 | .368 | .400 | |
| 4-METHYL-2-PENTANONE | 1.089 | .876 | .524 | .502 | .634 | |
| STYRENE | 1.302 | 1.155 | 1.187 | 1.158 | 1.167 | |
| VINYL ACETATE | .776 | .078 | .077 | .080 | .078 | |
| o-XYLENE | 1.342 | .702 | .673 | .722 | .701 | |

RIC
02/26/84 21:01:00
SAMPLE: @ 20 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA881 #1
CALI: EPAVOA881 #1

SCANS 1 TO 1200



DATA: EPAVOA881.TI
02/26/84 21:01:00
SAMPLE: @ 20 UG/L STANDARD
SUBMITTED BY: ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 332 | 11:21 | 1 | 1.000 | A BB | 85527. | 50.000 UG/L | 3.20 |
| 2 | 77 | 605 | 20:40 | 2 | 1.000 | A BB | 312278. | 50.000 UG/L | 3.20 |
| 3 | 55 | 723 | 24:42 | 3 | 1.000 | A BB | 287842. | 50.000 UG/L | 3.20 |
| 4 | 50 | 51 | 1:45 | 1 | 0.154 | A BB | 9057. | 26.566 UG/L | 1.70 |
| 5 | 94 | 100 | 3:25 | 1 | 0.301 | A BB | 69972. | 25.026 UG/L | 1.60 |
| 6 | 62 | 128 | 4:22 | 1 | 0.386 | A BB | 6003. | 28.734 UG/L | 1.84 |
| 7 | 64 | 167 | 5:42 | 1 | 0.503 | A BB | 42903. | 22.414 UG/L | 1.43 |
| 8 | 84 | 237 | 8:06 | 1 | 0.714 | A BB | 125586. | 25.715 UG/L | 1.65 |
| 9 | 56 | 258 | 8:49 | 1 | 0.777 | A BB | 17129. | 82.946 UG/L | 5.31 |
| 10 | 53 | 276 | 9:26 | 1 | 0.831 | A BB | 64961. | 97.470 UG/L | 6.24 |
| 11 | 61 | 319 | 10:54 | 1 | 0.961 | A BB | 125024. | 23.001 UG/L | 1.47 |
| 12 | 63 | 358 | 12:14 | 1 | 1.078 | A BB | 148520. | 21.571 UG/L | 1.38 |
| 13 | 96 | 378 | 12:55 | 1 | 1.139 | A BB | 69169. | 21.621 UG/L | 1.38 |
| 14 | 83 | 395 | 13:30 | 1 | 1.190 | A BB | 142190. | 21.085 UG/L | 1.35 |
| 15 | 62 | 417 | 14:15 | 1 | 1.256 | A BB | 98874. | 21.263 UG/L | 1.36 |
| 16 | 97 | 457 | 15:37 | 1 | 1.377 | A BV | 91383. | 21.756 UG/L | 1.39 |
| 17 | 58 | 255 | 8:43 | 1 | 0.768 | A BV | 68509. | 54.064 UG/L | 3.46 |
| 18 | 76 | 285 | 9:44 | 1 | 0.858 | A BB | 151457. | 20.579 UG/L | 1.32 |
| 19 | 117 | 468 | 15:59 | 2 | 0.774 | A VB | 75806. | 20.673 UG/L | 1.32 |
| 20 | 83 | 481 | 16:26 | 2 | 0.795 | A BB | 118419. | 19.417 UG/L | 1.24 |
| 21 | 63 | 523 | 17:52 | 2 | 0.864 | A BB | 102219. | 21.615 UG/L | 1.38 |
| 22 | 75 | 530 | 18:06 | 2 | 0.876 | A BB | 95223. | 19.893 UG/L | 1.27 |
| 23 | 95 | 545 | 18:37 | 2 | 0.901 | A BV | 107574. | 23.035 UG/L | 1.47 |
| 24 | 78 | 561 | 19:10 | 2 | 0.927 | A BB | 233914. | 22.709 UG/L | 1.45 |
| 25 | 129 | 564 | 19:16 | 2 | 0.932 | A BB | 76790. | 18.370 UG/L | 1.18 |
| 26 | 83 | 567 | 19:22 | 2 | 0.937 | A VB | 59353. | 20.423 UG/L | 1.31 |
| 27 | 75 | 568 | 19:24 | 2 | 0.939 | A BB | 75432. | 18.552 UG/L | 1.19 |
| 28 | 63 | 599 | 20:28 | 2 | 0.990 | A BB | 42305. | 21.589 UG/L | 1.38 |
| 29 | 173 | 645 | 22:02 | 2 | 1.066 | A BB | 40895. | 17.103 UG/L | 1.09 |
| 30 | 72 | 415 | 14:11 | 2 | 0.686 | A VV | 35754. | 45.684 UG/L | 2.92 |
| 31 | 86 | 470 | 16:03 | 2 | 0.777 | A BB | 9736. | 19.958 UG/L | 1.28 |
| 32 | 43 | 659 | 22:31 | 2 | 1.089 | A BB | 109371. | 27.617 UG/L | 1.77 |
| 33 | 65 | 414 | 14:09 | 2 | 0.684 | A BB | 378201. | 101.889 UG/L | 6.52 |
| 34 | 84 | 556 | 19:00 | 2 | 0.919 | A BB | 1077390. | 102.129 UG/L | 6.54 |
| 35 | NOT | FOUND | | | | | | | |
| 36 | NOT | FOUND | | | | | | | |
| 37 | NOT | FOUND | | | | | | | |
| 38 | 166 | 713 | 24:22 | 3 | 0.986 | A BB | 96074. | 21.223 UG/L | 1.36 |
| 39 | 83 | 712 | 24:20 | 3 | 0.985 | A BB | 43364. | 15.391 UG/L | 0.99 |
| 40 | 91 | 752 | 25:42 | 3 | 1.040 | A BB | 234501. | 21.886 UG/L | 1.40 |
| 41 | 112 | 786 | 26:51 | 3 | 1.087 | A BB | 172427. | 20.850 UG/L | 1.33 |
| 42 | 91 | 841 | 28:44 | 3 | 1.163 | A BB | 236590. | 20.507 UG/L | 1.31 |
| 43 | 43 | 705 | 24:05 | 3 | 0.975 | A BV | 47983. | 20.861 UG/L | 1.34 |
| 44 | 104 | 942 | 32:11 | 3 | 1.303 | A BB | 133009. | 19.800 UG/L | 1.27 |
| 45 | 106 | 970 | 33:08 | 3 | 1.342 | A BB | 80868. | 20.050 UG/L | 1.28 |

| NO | M/Z | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 46 | 98 | 746 | 25:29 | 3 | 1.032 | A BB | 937525. | 101.919 UG/L | 6.53 |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | 83 | 712 | 24:20 | 3 | 0.985 | A BB | 43364. | 15.391 UG/L | 0.99 |
| 50 | 95 | 905 | 30:55 | 3 | 1.252 | A BB | 603554. | 99.623 UG/L | 6.38 |

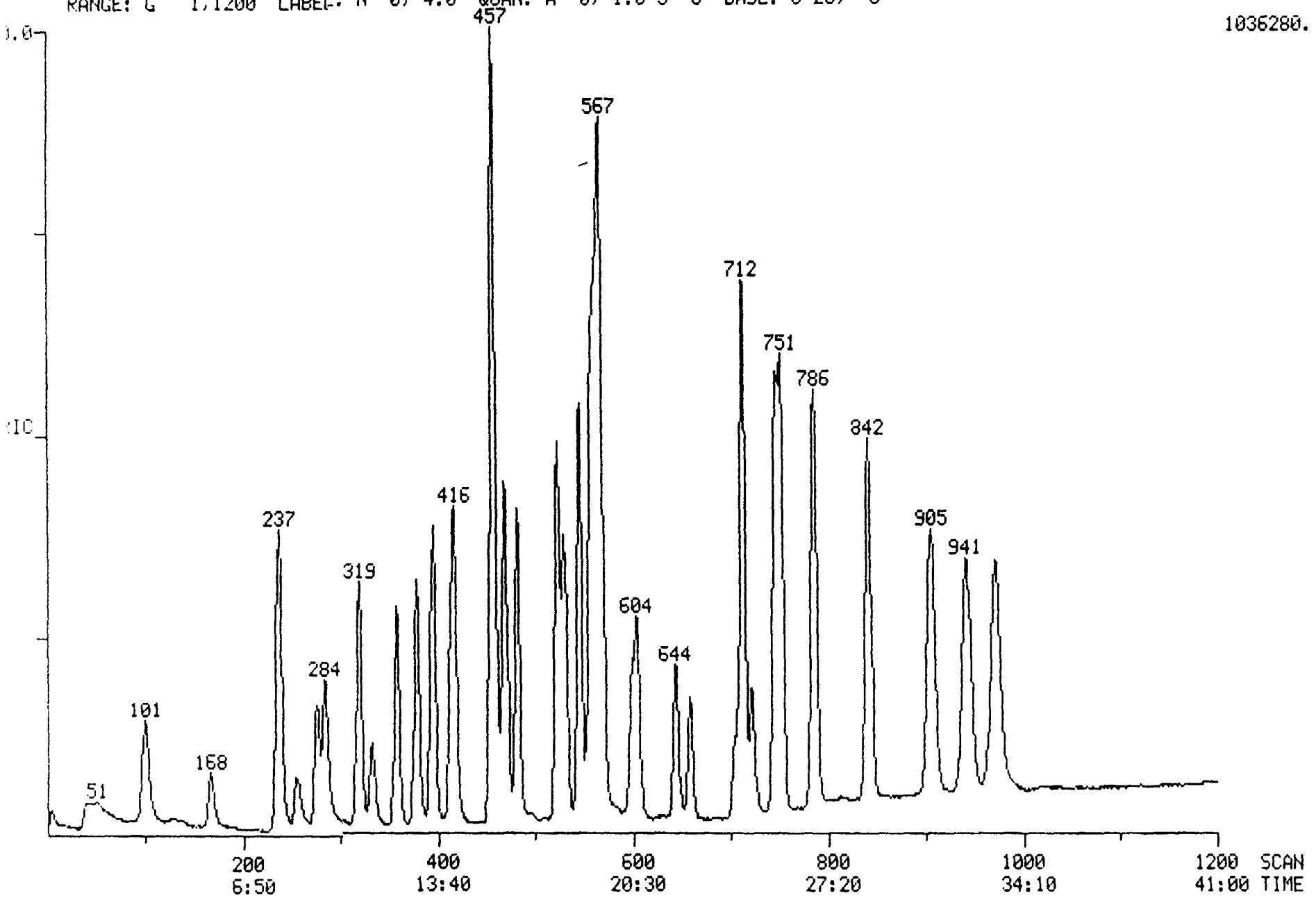
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:21 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 2 | 20:38 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:40 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 4 | 1:49 | 0.96 | 0.160 | 0.96 | 26.57 | 20.00 | 0.265 | 0.199 | 1.33 |
| 5 | 3:23 | 1.01 | 0.298 | 1.01 | 25.03 | 20.00 | 2.045 | 1.635 | 1.25 |
| 6 | 4:24 | 0.99 | 0.389 | 0.99 | 28.73 | 20.00 | 0.175 | 0.122 | 1.44 |
| 7 | 5:42 | 1.00 | 0.503 | 1.00 | 22.41 | 20.00 | 1.254 | 1.119 | 1.12 |
| 8 | 8:04 | 1.00 | 0.711 | 1.00 | 25.71 | 20.00 | 3.671 | 2.855 | 1.29 |
| 9 | 8:43 | 1.01 | 0.768 | 1.01 | 82.95 | 100.00 | 0.100 | 0.121 | 0.83 |
| 10 | 9:24 | 1.00 | 0.828 | 1.00 | 97.47 | 100.00 | 0.380 | 0.390 | 0.97 |
| 11 | 10:54 | 1.00 | 0.961 | 1.00 | 23.00 | 20.00 | 3.655 | 3.178 | 1.15 |
| 12 | 12:14 | 1.00 | 1.078 | 1.00 | 21.57 | 20.00 | 4.341 | 4.025 | 1.08 |
| 13 | 12:55 | 1.00 | 1.139 | 1.00 | 21.62 | 20.00 | 2.022 | 1.870 | 1.08 |
| 14 | 13:30 | 1.00 | 1.190 | 1.00 | 21.09 | 20.00 | 4.156 | 3.942 | 1.05 |
| 15 | 14:15 | 1.00 | 1.256 | 1.00 | 21.26 | 20.00 | 2.890 | 2.719 | 1.06 |
| 16 | 15:35 | 1.00 | 1.373 | 1.00 | 21.76 | 20.00 | 2.671 | 2.456 | 1.09 |
| 17 | 8:41 | 1.00 | 0.765 | 1.00 | 54.06 | 20.00 | 2.003 | 0.741 | 2.70 |
| 18 | 9:42 | 1.00 | 0.855 | 1.00 | 20.58 | 20.00 | 4.427 | 4.303 | 1.03 |
| 19 | 15:59 | 1.00 | 0.775 | 1.00 | 20.67 | 20.00 | 0.607 | 0.587 | 1.03 |
| 20 | 16:28 | 1.00 | 0.798 | 1.00 | 19.42 | 20.00 | 0.948 | 0.976 | 0.97 |
| 21 | 17:52 | 1.00 | 0.866 | 1.00 | 21.62 | 20.00 | 0.818 | 0.757 | 1.08 |
| 22 | 18:06 | 1.00 | 0.877 | 1.00 | 19.89 | 20.00 | 0.762 | 0.766 | 0.99 |
| 23 | 18:37 | 1.00 | 0.902 | 1.00 | 23.04 | 20.00 | 0.861 | 0.748 | 1.15 |
| 24 | 19:08 | 1.00 | 0.927 | 1.00 | 22.71 | 20.00 | 1.873 | 1.649 | 1.14 |
| 25 | 19:16 | 1.00 | 0.934 | 1.00 | 18.37 | 20.00 | 0.615 | 0.669 | 0.92 |
| 26 | 19:22 | 1.00 | 0.939 | 1.00 | 20.42 | 20.00 | 0.475 | 0.465 | 1.02 |
| 27 | 19:22 | 1.00 | 0.939 | 1.00 | 18.55 | 20.00 | 0.604 | 0.651 | 0.93 |
| 28 | 20:34 | 1.00 | 0.997 | 0.99 | 21.59 | 20.00 | 0.339 | 0.314 | 1.08 |
| 29 | 22:00 | 1.00 | 1.066 | 1.00 | 17.10 | 20.00 | 0.327 | 0.383 | 0.86 |
| 30 | 14:09 | 1.00 | 0.685 | 1.00 | 45.68 | 20.00 | 0.286 | 0.125 | 2.28 |
| 31 | 16:01 | 1.00 | 0.776 | 1.00 | 19.96 | 20.00 | 0.078 | 0.078 | 1.00 |
| 32 | 22:29 | 1.00 | 1.089 | 1.00 | 27.62 | 20.00 | 0.876 | 0.634 | 1.38 |
| 33 | 14:07 | 1.00 | 0.684 | 1.00 | 101.89 | 100.00 | 0.606 | 0.594 | 1.02 |
| 34 | 19:00 | 1.00 | 0.921 | 1.00 | 102.13 | 100.00 | 1.725 | 1.689 | 1.02 |
| 35 | 12:49 | | 0.704 | | | 100.00 | | 3.074 | |
| 36 | 14:41 | | 0.691 | | | 100.00 | | 0.009 | |
| 37 | 16:55 | | 0.770 | | | 100.00 | | 0.432 | |
| 38 | 24:20 | 1.00 | 0.986 | 1.00 | 21.22 | 20.00 | 0.834 | 0.786 | 1.06 |
| 39 | 24:20 | 1.00 | 0.986 | 1.00 | 15.39 | 20.00 | 0.377 | 0.489 | 0.77 |
| 40 | 25:40 | 1.00 | 1.040 | 1.00 | 21.89 | 20.00 | 2.037 | 1.861 | 1.09 |
| 41 | 26:49 | 1.00 | 1.087 | 1.00 | 20.85 | 20.00 | 1.498 | 1.437 | 1.04 |
| 42 | 28:42 | 1.00 | 1.163 | 1.00 | 20.51 | 20.00 | 2.055 | 2.004 | 1.03 |
| 43 | 24:01 | 1.00 | 0.974 | 1.00 | 20.86 | 20.00 | 0.417 | 0.400 | 1.04 |
| 44 | 32:07 | 1.00 | 1.302 | 1.00 | 19.80 | 20.00 | 1.155 | 1.167 | 0.99 |
| 45 | 33:06 | 1.00 | 1.342 | 1.00 | 20.05 | 20.00 | 0.702 | 0.701 | 1.00 |
| 46 | 25:27 | 1.00 | 1.032 | 1.00 | 101.92 | 100.00 | 1.629 | 1.598 | 1.02 |
| 47 | 27:55 | | 1.297 | | | 100.00 | | 1.637 | |
| 48 | 23:43 | | 1.102 | | | 100.00 | | 2.050 | |
| 49 | 24:20 | 1.00 | 0.986 | 1.00 | 15.39 | 20.00 | 0.377 | 0.489 | 0.77 |

| NO | RE(L) | RATIO | RR(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 50 | 30.53 | 1.00 | 1.252 | 1.00 | 99.62 | 100.00 | 1.048 | 1.052 | 1.00 |

RIC
02/26/84 21:52:00
SAMPLE: @ 100 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA882 #1
CALI: EPAVOA882 #1

SCANS 1 TO 1200



DATA: EPAVOA882.TI
02/26/84 21:52:00
SAMPLE:
SUBMITTED BY: ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INIERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 333 | 11:23 | 1 | 1.000 | A BB | 104251. | 50.000 UG/L | 1.01 |
| 2 | 77 | 605 | 20:40 | 2 | 1.000 | A BB | 390074. | 50.000 UG/L | 1.01 |
| 3 | 55 | 722 | 24:40 | 3 | 1.000 | A BB | 331409. | 50.000 UG/L | 1.01 |
| 4 | 50 | 52 | 1:47 | 1 | 0.156 | A BV | 34983. | 84.184 UG/L | 1.69 |
| 5 | 94 | 101 | 3:27 | 1 | 0.303 | A BB | 357365. | 104.860 UG/L | 2.11 |
| 6 | 62 | 129 | 4:24 | 1 | 0.387 | A BB | 20885. | 82.012 UG/L | 1.65 |
| 7 | 64 | 168 | 5:44 | 1 | 0.505 | A BB | 230014. | 98.584 UG/L | 1.98 |
| 8 | 84 | 237 | 8:06 | 1 | 0.712 | A BB | 526032. | 88.364 UG/L | 1.78 |
| 9 | 56 | 256 | 8:45 | 1 | 0.769 | A BV | 140537. | 558.312 UG/L | 11.23 |
| 10 | 53 | 276 | 9:26 | 1 | 0.829 | A BB | 407882. | 502.083 UG/L | 10.10 |
| 11 | 61 | 319 | 10:54 | 1 | 0.958 | A BB | 615303. | 92.869 UG/L | 1.87 |
| 12 | 63 | 358 | 12:14 | 1 | 1.075 | A BB | 792006. | 94.371 UG/L | 1.90 |
| 13 | 96 | 379 | 12:57 | 1 | 1.138 | A BB | 372644. | 95.561 UG/L | 1.92 |
| 14 | 83 | 395 | 13:30 | 1 | 1.186 | A BB | 782516. | 95.199 UG/L | 1.91 |
| 15 | 62 | 417 | 14:15 | 1 | 1.252 | A BB | 542035. | 95.628 UG/L | 1.92 |
| 16 | 97 | 457 | 15:37 | 1 | 1.372 | A BB | 491850. | 96.067 UG/L | 1.93 |
| 17 | 58 | 255 | 8:43 | 1 | 0.766 | A BV | 24665. | 15.968 UG/L | 0.32 |
| 18 | 76 | 285 | 9:44 | 1 | 0.856 | A BB | 864967. | 96.416 UG/L | 1.94 |
| 19 | 117 | 469 | 16:01 | 2 | 0.775 | A VB | 440705. | 96.215 UG/L | 1.94 |
| 20 | 83 | 482 | 16:28 | 2 | 0.797 | A BB | 751623. | 98.663 UG/L | 1.98 |
| 21 | 63 | 523 | 17:52 | 2 | 0.864 | A BB | 561306. | 95.022 UG/L | 1.91 |
| 22 | 75 | 530 | 18:06 | 2 | 0.876 | A BB | 586064. | 98.018 UG/L | 1.97 |
| 23 | 95 | 546 | 18:39 | 2 | 0.902 | A BB | 552746. | 94.757 UG/L | 1.91 |
| 24 | 78 | 561 | 19:10 | 2 | 0.927 | A BB | 1234160. | 95.920 UG/L | 1.93 |
| 25 | 129 | 564 | 19:16 | 2 | 0.932 | A BB | 545844. | 104.539 UG/L | 2.10 |
| 26 | 83 | 568 | 19:24 | 2 | 0.939 | A BB | 362475. | 99.850 UG/L | 2.01 |
| 27 | 75 | 568 | 19:24 | 2 | 0.939 | A BB | 515725. | 101.541 UG/L | 2.04 |
| 28 | 63 | 599 | 20:28 | 2 | 0.990 | A BB | 232786. | 95.102 UG/L | 1.91 |
| 29 | 173 | 644 | 22:00 | 2 | 1.064 | A BB | 320171. | 107.196 UG/L | 2.16 |
| 30 | 72 | 415 | 14:11 | 2 | 0.686 | A VB | 39329. | 40.229 UG/L | 0.81 |
| 31 | 86 | 470 | 16:03 | 2 | 0.777 | A VV | 59954. | 98.390 UG/L | 1.98 |
| 32 | 43 | 659 | 22:31 | 2 | 1.089 | A BB | 408941. | 82.668 UG/L | 1.66 |
| 33 | 65 | 414 | 14:09 | 2 | 0.684 | A BB | 443641. | 95.683 UG/L | 1.92 |
| 34 | 84 | 557 | 19:02 | 2 | 0.921 | A VB | 1291730. | 98.027 UG/L | 1.97 |
| 35 | NOT | FOUND | | | | | | | |
| 36 | NOT | FOUND | | | | | | | |
| 37 | NOT | FOUND | | | | | | | |
| 38 | 166 | 712 | 24:20 | 3 | 0.986 | A BB | 526831. | 101.078 UG/L | 2.03 |
| 39 | 83 | 712 | 24:20 | 3 | 0.986 | A BB | 352357. | 108.623 UG/L | 2.18 |
| 40 | 91 | 752 | 25:42 | 3 | 1.042 | A BB | 1215820. | 98.554 UG/L | 1.98 |
| 41 | 112 | 786 | 26:51 | 3 | 1.089 | A BB | 955287. | 100.327 UG/L | 2.02 |
| 42 | 91 | 841 | 28:44 | 3 | 1.165 | A BB | 1340250. | 100.896 UG/L | 2.03 |
| 43 | 43 | 705 | 24:05 | 3 | 0.976 | A BV | 274415. | 103.623 UG/L | 2.08 |
| 44 | 104 | 941 | 32:09 | 3 | 1.303 | A BB | 787064. | 101.759 UG/L | 2.05 |
| 45 | 106 | 972 | 33:13 | 3 | 1.346 | A BB | 449374. | 96.768 UG/L | 1.95 |

| NO | H/L | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 46 | 98 | 746 | 25:29 | 3 | 1.033 | A BB | 1057770. | 99.875 UG/L | 2.01 |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | 83 | 712 | 24:20 | 3 | 0.986 | A BB | 352357. | 108.623 UG/L | 2.18 |
| 50 | 95 | 905 | 30:55 | 3 | 1.253 | A BB | 696595. | 99.866 UG/L | 2.01 |

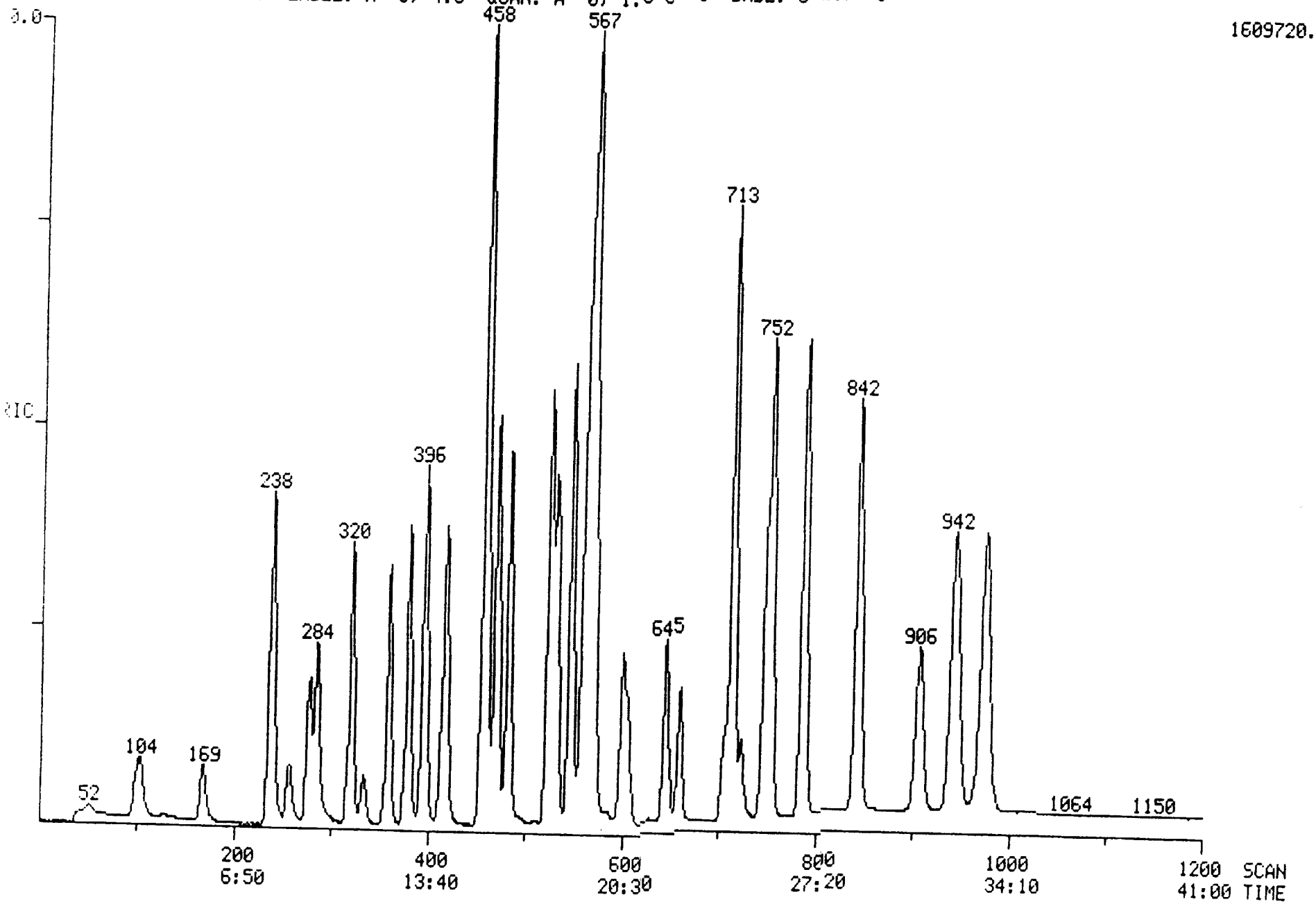
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:21 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 2 | 20:38 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:40 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 4 | 1:49 | 0.98 | 0.160 | 0.98 | 84.18 | 100.00 | 0.168 | 0.199 | 0.84 |
| 5 | 3:23 | 1.02 | 0.298 | 1.02 | 104.86 | 100.00 | 1.714 | 1.635 | 1.05 |
| 6 | 4:24 | 1.00 | 0.389 | 1.00 | 82.01 | 100.00 | 0.100 | 0.122 | 0.82 |
| 7 | 5:42 | 1.01 | 0.503 | 1.00 | 98.58 | 100.00 | 1.103 | 1.119 | 0.99 |
| 8 | 8:04 | 1.00 | 0.711 | 1.00 | 88.36 | 100.00 | 2.523 | 2.855 | 0.88 |
| 9 | 8:43 | 1.00 | 0.768 | 1.00 | 558.31 | 500.00 | 0.135 | 0.121 | 1.12 |
| 10 | 9:24 | 1.00 | 0.828 | 1.00 | 502.08 | 500.00 | 0.391 | 0.390 | 1.00 |
| 11 | 10:54 | 1.00 | 0.961 | 1.00 | 92.87 | 100.00 | 2.951 | 3.178 | 0.93 |
| 12 | 12:14 | 1.00 | 1.078 | 1.00 | 94.37 | 100.00 | 3.799 | 4.025 | 0.94 |
| 13 | 12:55 | 1.00 | 1.139 | 1.00 | 95.56 | 100.00 | 1.787 | 1.870 | 0.96 |
| 14 | 13:30 | 1.00 | 1.190 | 1.00 | 95.20 | 100.00 | 3.753 | 3.942 | 0.95 |
| 15 | 14:15 | 1.00 | 1.256 | 1.00 | 95.63 | 100.00 | 2.600 | 2.719 | 0.96 |
| 16 | 15:35 | 1.00 | 1.373 | 1.00 | 96.07 | 100.00 | 2.359 | 2.456 | 0.96 |
| 17 | 8:41 | 1.00 | 0.765 | 1.00 | 15.97 | 100.00 | 0.118 | 0.741 | 0.16 |
| 18 | 9:42 | 1.00 | 0.855 | 1.00 | 96.42 | 100.00 | 4.148 | 4.303 | 0.96 |
| 19 | 15:59 | 1.00 | 0.775 | 1.00 | 96.21 | 100.00 | 0.565 | 0.587 | 0.96 |
| 20 | 16:28 | 1.00 | 0.798 | 1.00 | 98.66 | 100.00 | 0.963 | 0.976 | 0.99 |
| 21 | 17:52 | 1.00 | 0.866 | 1.00 | 95.02 | 100.00 | 0.719 | 0.757 | 0.95 |
| 22 | 18:06 | 1.00 | 0.877 | 1.00 | 98.02 | 100.00 | 0.751 | 0.766 | 0.98 |
| 23 | 18:37 | 1.00 | 0.902 | 1.00 | 94.76 | 100.00 | 0.709 | 0.748 | 0.95 |
| 24 | 19:08 | 1.00 | 0.927 | 1.00 | 95.92 | 100.00 | 1.582 | 1.649 | 0.96 |
| 25 | 19:16 | 1.00 | 0.934 | 1.00 | 104.54 | 100.00 | 0.700 | 0.669 | 1.05 |
| 26 | 19:22 | 1.00 | 0.939 | 1.00 | 99.85 | 100.00 | 0.465 | 0.465 | 1.00 |
| 27 | 19:22 | 1.00 | 0.939 | 1.00 | 101.54 | 100.00 | 0.661 | 0.651 | 1.02 |
| 28 | 20:34 | 1.00 | 0.997 | 0.99 | 95.10 | 100.00 | 0.298 | 0.314 | 0.95 |
| 29 | 22:00 | 1.00 | 1.066 | 1.00 | 107.20 | 100.00 | 0.410 | 0.383 | 1.07 |
| 30 | 14:09 | 1.00 | 0.685 | 1.00 | 40.23 | 100.00 | 0.050 | 0.125 | 0.40 |
| 31 | 16:01 | 1.00 | 0.776 | 1.00 | 98.39 | 100.00 | 0.077 | 0.078 | 0.98 |
| 32 | 22:29 | 1.00 | 1.089 | 1.00 | 82.67 | 100.00 | 0.524 | 0.634 | 0.83 |
| 33 | 14:07 | 1.00 | 0.684 | 1.00 | 95.68 | 100.00 | 0.569 | 0.594 | 0.96 |
| 34 | 19:00 | 1.00 | 0.921 | 1.00 | 98.03 | 100.00 | 1.656 | 1.689 | 0.98 |
| 35 | 12:49 | | 0.704 | | | 100.00 | | 3.074 | |
| 36 | 14:41 | | 0.691 | | | 100.00 | | 0.009 | |
| 37 | 16:55 | | 0.770 | | | 100.00 | | 0.432 | |
| 38 | 24:20 | 1.00 | 0.986 | 1.00 | 101.08 | 100.00 | 0.795 | 0.786 | 1.01 |
| 39 | 24:20 | 1.00 | 0.986 | 1.00 | 108.62 | 100.00 | 0.532 | 0.489 | 1.09 |
| 40 | 25:40 | 1.00 | 1.040 | 1.00 | 98.55 | 100.00 | 1.834 | 1.861 | 0.99 |
| 41 | 26:49 | 1.00 | 1.087 | 1.00 | 100.33 | 100.00 | 1.441 | 1.437 | 1.00 |
| 42 | 28:42 | 1.00 | 1.163 | 1.00 | 100.90 | 100.00 | 2.022 | 2.004 | 1.01 |
| 43 | 24:01 | 1.00 | 0.974 | 1.00 | 103.62 | 100.00 | 0.414 | 0.400 | 1.04 |
| 44 | 32:07 | 1.00 | 1.302 | 1.00 | 101.76 | 100.00 | 1.187 | 1.167 | 1.02 |
| 45 | 33:06 | 1.00 | 1.342 | 1.00 | 96.77 | 100.00 | 0.678 | 0.701 | 0.97 |
| 46 | 25:27 | 1.00 | 1.032 | 1.00 | 99.88 | 100.00 | 1.596 | 1.598 | 1.00 |
| 47 | 27:55 | | 1.297 | | | 100.00 | | 1.637 | |
| 48 | 23:43 | | 1.102 | | | 100.00 | | 2.050 | |
| 49 | 24:20 | 1.00 | 0.986 | 1.00 | 108.62 | 100.00 | 0.532 | 0.489 | 1.09 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 30:53 | 1.00 | 1.252 | 1.00 | 99.87 | 100.00 | 1.051 | 1.052 | 1.00 |

RIC
02/26/84 22:39:00
SAMPLE: @ 200 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA883 #1
CALI: EPAVOA883 #1

SCANS 1 TO 1200



DATA: EPAVOA883.TI
02/26/84 22:39:00
SAMPLE: @ 200 UG/L STANDARD
SUBMITTED BY: ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 334 | 11:25 | 1 | 1.000 | A BB | 92771. | 50.000 | UG/L | 0.54 |
| 2 | 77 | 605 | 20:40 | 2 | 1.000 | A BB | 349949. | 50.000 | UG/L | 0.54 |
| 3 | 55 | 723 | 24:42 | 3 | 1.000 | A BB | 308970. | 50.000 | UG/L | 0.54 |
| 4 | 50 | 52 | 1:47 | 1 | 0.156 | A BB | 61375. | 165.969 | UG/L | 1.78 |
| 5 | 94 | 104 | 3:33 | 1 | 0.311 | A BB | 424632. | 140.016 | UG/L | 1.50 |
| 6 | 62 | 129 | 4:24 | 1 | 0.386 | A BB | 33684. | 148.639 | UG/L | 1.59 |
| 7 | 64 | 169 | 5:46 | 1 | 0.506 | A BB | 371012. | 178.693 | UG/L | 1.92 |
| 8 | 84 | 238 | 8:08 | 1 | 0.713 | A BB | 880064. | 166.127 | UG/L | 1.78 |
| 9 | 56 | 257 | 8:47 | 1 | 0.769 | A BB | 236077. | 1053.910 | UG/L | 11.30 |
| 10 | 53 | 277 | 9:28 | 1 | 0.829 | A BB | 738204. | 1021.130 | UG/L | 10.95 |
| 11 | 61 | 320 | 10:56 | 1 | 0.958 | A BB | 1086300. | 184.247 | UG/L | 1.97 |
| 12 | 63 | 359 | 12:16 | 1 | 1.075 | A BB | 1460400. | 195.546 | UG/L | 2.10 |
| 13 | 96 | 379 | 12:57 | 1 | 1.135 | A BB | 668596. | 192.670 | UG/L | 2.07 |
| 14 | 83 | 396 | 13:32 | 1 | 1.186 | A BB | 1453780. | 198.748 | UG/L | 2.13 |
| 15 | 62 | 418 | 14:17 | 1 | 1.251 | A BB | 989228. | 196.119 | UG/L | 2.10 |
| 16 | 97 | 458 | 15:39 | 1 | 1.371 | A BB | 867047. | 190.305 | UG/L | 2.04 |
| 17 | 58 | 257 | 8:47 | 1 | 0.769 | A BV | 37693. | 27.423 | UG/L | 0.29 |
| 18 | 76 | 285 | 9:44 | 1 | 0.853 | A BB | 1607670. | 201.380 | UG/L | 2.16 |
| 19 | 117 | 469 | 16:01 | 2 | 0.775 | A VB | 825310. | 200.841 | UG/L | 2.15 |
| 20 | 83 | 482 | 16:28 | 2 | 0.797 | A BB | 1425010. | 208.505 | UG/L | 2.23 |
| 21 | 63 | 524 | 17:54 | 2 | 0.866 | A BB | 1027060. | 193.804 | UG/L | 2.08 |
| 22 | 75 | 530 | 18:06 | 2 | 0.876 | A BB | 1099810. | 205.032 | UG/L | 2.20 |
| 23 | 95 | 546 | 18:39 | 2 | 0.902 | A BB | 942676. | 180.132 | UG/L | 1.93 |
| 24 | 78 | 561 | 19:10 | 2 | 0.927 | A BB | 2090120. | 181.071 | UG/L | 1.94 |
| 25 | 129 | 565 | 19:18 | 2 | 0.934 | A BB | 970674. | 207.217 | UG/L | 2.22 |
| 26 | 83 | 568 | 19:24 | 2 | 0.939 | A VB | 638555. | 196.070 | UG/L | 2.10 |
| 27 | 75 | 568 | 19:24 | 2 | 0.939 | A BB | 963264. | 211.403 | UG/L | 2.27 |
| 28 | 63 | 600 | 20:30 | 2 | 0.992 | A BB | 425819. | 193.909 | UG/L | 2.08 |
| 29 | 173 | 645 | 22:02 | 2 | 1.066 | A BB | 574973. | 214.578 | UG/L | 2.30 |
| 30 | 72 | 415 | 14:11 | 2 | 0.686 | A BB | 54994. | 62.703 | UG/L | 0.67 |
| 31 | 86 | 470 | 16:03 | 2 | 0.777 | A BV | 111325. | 203.641 | UG/L | 2.18 |
| 32 | 43 | 660 | 22:33 | 2 | 1.091 | A VB | 703373. | 158.490 | UG/L | 1.70 |
| 33 | 65 | 415 | 14:11 | 2 | 0.686 | A BB | 426065. | 102.428 | UG/L | 1.10 |
| 34 | 84 | 557 | 19:02 | 2 | 0.921 | A VB | 1180340. | 99.844 | UG/L | 1.07 |
| 35 | NOT | FOUND | | | | | | | | |
| 36 | NOT | FOUND | | | | | | | | |
| 37 | 96 | 498 | 17:01 | 2 | 0.823 | A*BB | 526. | 100.000 | UG/L | 1.07 |
| 38 | 166 | 713 | 24:22 | 3 | 0.986 | A BB | 901958. | 185.617 | UG/L | 1.99 |
| 39 | 83 | 713 | 24:22 | 3 | 0.986 | A BB | 692060. | 228.839 | UG/L | 2.45 |
| 40 | 91 | 752 | 25:42 | 3 | 1.040 | A BB | 2116630. | 184.034 | UG/L | 1.97 |
| 41 | 112 | 787 | 26:53 | 3 | 1.089 | A BB | 1694190. | 190.851 | UG/L | 2.05 |
| 42 | 91 | 842 | 28:46 | 3 | 1.165 | A BB | 2391890. | 193.142 | UG/L | 2.07 |
| 43 | 43 | 705 | 24:05 | 3 | 0.975 | A BV | 454627. | 184.141 | UG/L | 1.97 |
| 44 | 104 | 942 | 32:11 | 3 | 1.303 | A BB | 1431250. | 198.486 | UG/L | 2.13 |
| 45 | 106 | 973 | 33:15 | 3 | 1.346 | A BB | 891720. | 205.968 | UG/L | 2.21 |
| 46 | 98 | 747 | 25:31 | 3 | 1.033 | A BB | 969665. | 98.205 | UG/L | 1.05 |

| NO | TYPE | SCAN | TIME | REF | RRT | METH | AREA(HGT) | AMOUNT | | ATOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 47 | NOT FOUND | | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | | |
| 49 | 83 | 713 | 24:22 | 3 | 0.986 | A BB | 692060. | 228.839 | UG/L | 2.45 |
| 50 | 95 | 906 | 30:57 | 3 | 1.253 | A BB | 653629. | 100.511 | UG/L | 1.08 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 11:21 | 1.01 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 2 | 20:38 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:40 | 1.00 | 1.000 | 1.00 | 50.00 | 50.00 | 1.000 | 1.000 | 1.00 |
| 4 | 1:49 | 0.98 | 0.160 | 0.98 | 165.97 | 200.00 | 0.165 | 0.199 | 0.83 |
| 5 | 3:23 | 1.05 | 0.298 | 1.04 | 140.02 | 200.00 | 1.144 | 1.635 | 0.70 |
| 6 | 4:24 | 1.00 | 0.389 | 0.99 | 148.64 | 200.00 | 0.091 | 0.122 | 0.74 |
| 7 | 5:42 | 1.01 | 0.503 | 1.01 | 178.69 | 200.00 | 1.000 | 1.119 | 0.89 |
| 8 | 8:04 | 1.01 | 0.711 | 1.00 | 166.13 | 200.00 | 2.372 | 2.855 | 0.83 |
| 9 | 8:43 | 1.01 | 0.768 | 1.00 | 1053.92 | 1000.00 | 0.127 | 0.121 | 1.05 |
| 10 | 9:24 | 1.01 | 0.828 | 1.00 | 1021.13 | 1000.00 | 0.398 | 0.390 | 1.02 |
| 11 | 10:54 | 1.00 | 0.961 | 1.00 | 184.25 | 200.00 | 2.927 | 3.178 | 0.92 |
| 12 | 12:14 | 1.00 | 1.078 | 1.00 | 195.55 | 200.00 | 3.935 | 4.025 | 0.98 |
| 13 | 12:55 | 1.00 | 1.139 | 1.00 | 192.67 | 200.00 | 1.802 | 1.870 | 0.96 |
| 14 | 13:30 | 1.00 | 1.190 | 1.00 | 198.75 | 200.00 | 3.918 | 3.942 | 0.99 |
| 15 | 14:15 | 1.00 | 1.256 | 1.00 | 196.12 | 200.00 | 2.666 | 2.719 | 0.98 |
| 16 | 15:35 | 1.00 | 1.373 | 1.00 | 190.30 | 200.00 | 2.337 | 2.456 | 0.95 |
| 17 | 8:41 | 1.01 | 0.765 | 1.01 | 27.42 | 200.00 | 0.102 | 0.741 | 0.14 |
| 18 | 9:42 | 1.00 | 0.855 | 1.00 | 201.38 | 200.00 | 4.332 | 4.303 | 1.01 |
| 19 | 15:59 | 1.00 | 0.775 | 1.00 | 200.84 | 200.00 | 0.590 | 0.587 | 1.00 |
| 20 | 16:28 | 1.00 | 0.798 | 1.00 | 208.50 | 200.00 | 1.018 | 0.976 | 1.04 |
| 21 | 17:52 | 1.00 | 0.866 | 1.00 | 193.80 | 200.00 | 0.734 | 0.757 | 0.97 |
| 22 | 18:06 | 1.00 | 0.877 | 1.00 | 205.03 | 200.00 | 0.786 | 0.766 | 1.03 |
| 23 | 18:37 | 1.00 | 0.902 | 1.00 | 180.13 | 200.00 | 0.673 | 0.748 | 0.90 |
| 24 | 19:08 | 1.00 | 0.927 | 1.00 | 181.07 | 200.00 | 1.493 | 1.649 | 0.91 |
| 25 | 19:16 | 1.00 | 0.934 | 1.00 | 207.22 | 200.00 | 0.693 | 0.669 | 1.04 |
| 26 | 19:22 | 1.00 | 0.939 | 1.00 | 196.07 | 200.00 | 0.456 | 0.465 | 0.98 |
| 27 | 19:22 | 1.00 | 0.939 | 1.00 | 211.40 | 200.00 | 0.688 | 0.651 | 1.06 |
| 28 | 20:34 | 1.00 | 0.997 | 1.00 | 193.91 | 200.00 | 0.304 | 0.314 | 0.97 |
| 29 | 22:00 | 1.00 | 1.066 | 1.00 | 214.58 | 200.00 | 0.411 | 0.383 | 1.07 |
| 30 | 14:09 | 1.00 | 0.685 | 1.00 | 62.70 | 200.00 | 0.039 | 0.125 | 0.31 |
| 31 | 16:01 | 1.00 | 0.776 | 1.00 | 203.64 | 200.00 | 0.080 | 0.078 | 1.02 |
| 32 | 22:29 | 1.00 | 1.089 | 1.00 | 158.49 | 200.00 | 0.502 | 0.634 | 0.79 |
| 33 | 14:07 | 1.00 | 0.684 | 1.00 | 102.43 | 100.00 | 0.609 | 0.594 | 1.02 |
| 34 | 19:00 | 1.00 | 0.921 | 1.00 | 99.84 | 100.00 | 1.686 | 1.689 | 1.00 |
| 35 | 12:49 | | 0.704 | | | 100.00 | | 3.074 | |
| 36 | 14:41 | | 0.691 | | | 100.00 | | 0.009 | |
| 37 | 16:55 | 1.01 | 0.770 | 1.07 | 100.00 | 100.00 | 0.001 | 0.001 | 1.00 |
| 38 | 24:20 | 1.00 | 0.986 | 1.00 | 185.62 | 200.00 | 0.730 | 0.786 | 0.93 |
| 39 | 24:20 | 1.00 | 0.986 | 1.00 | 228.84 | 200.00 | 0.560 | 0.489 | 1.14 |
| 40 | 25:40 | 1.00 | 1.040 | 1.00 | 184.03 | 200.00 | 1.713 | 1.861 | 0.92 |
| 41 | 26:49 | 1.00 | 1.087 | 1.00 | 190.85 | 200.00 | 1.371 | 1.437 | 0.95 |
| 42 | 28:42 | 1.00 | 1.163 | 1.00 | 193.14 | 200.00 | 1.935 | 2.004 | 0.97 |
| 43 | 24:01 | 1.00 | 0.974 | 1.00 | 184.14 | 200.00 | 0.368 | 0.400 | 0.92 |
| 44 | 32:07 | 1.00 | 1.302 | 1.00 | 198.49 | 200.00 | 1.158 | 1.167 | 0.99 |
| 45 | 33:06 | 1.00 | 1.342 | 1.00 | 205.97 | 200.00 | 0.722 | 0.701 | 1.03 |
| 46 | 25:27 | 1.00 | 1.032 | 1.00 | 98.21 | 100.00 | 1.569 | 1.598 | 0.98 |
| 47 | 27:55 | | 1.297 | | | 100.00 | | 1.637 | |
| 48 | 23:43 | | 1.102 | | | 100.00 | | 2.050 | |
| 49 | 24:20 | 1.00 | 0.986 | 1.00 | 228.84 | 200.00 | 0.560 | 0.489 | 1.14 |
| 50 | 30:53 | 1.00 | 1.252 | 1.00 | 100.51 | 100.00 | 1.058 | 1.052 | 1.01 |

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 2459 CONTRACT LAB USTCO CONTRACT NO. 68-01-6726
INSTRUMENT IDENTIFIER ABN CALIBRATION DATE 3/5/84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-150 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| N-NITROSODIMETHYLAMINE | .356 | .401 | .578 | .623 | .534 | |
| BIS(2-CHLOROETHYL)ETHER | .968 | 1.491 | 1.714 | 1.388 | 1.531 | |
| 2-CHLOROPHENOL | .965 | 1.096 | 1.428 | 1.208 | 1.244 | |
| PHENOL | .971 | 1.108 | 1.611 | 1.460 | 1.393 | |
| 1,3-DICHLOROBENZENE | .988 | 1.401 | 1.633 | 1.439 | 1.491 | |
| 1,4-DICHLOROBENZENE | 1.005 | 1.550 | 1.801 | 1.351 | 1.567 | |
| 1,2-DICHLOROBENZENE | 1.052 | 1.294 | 1.586 | 1.419 | 1.433 | |
| BIS(2-CHLOROISOPROPYL) ETHER | .821 | .157 | .133 | .128 | .139 | |
| HEXACHLOROETHANE | .837 | .173 | .204 | .165 | .181 | |
| N-NITROSO-DI-N-PROPYLAMINE | .856 | .374 | .291 | .270 | .312 | |
| NITROBENZENE | .869 | .509 | .343 | .524 | .459 | |
| ISOPHORONE | .922 | .833 | .761 | .663 | .752 | |
| 2-NITROPHENOL | .933 | .154 | .197 | .246 | .199 | |
| 2,4-DIMETHYLPHENOL | .965 | .248 | .325 | .308 | .294 | |
| BIS(2-CHLOROETHOXY)METHANE | .979 | .639 | .517 | .527 | .561 | |
| 2,4-DICHLOROPHENOL | .989 | .098 | .294 | .278 | .223 | |
| 1,2,4-TRICHLOROBENZENE | .994 | .421 | .413 | .415 | .416 | |
| NAPHTHALENE | 1.004 | 1.711 | 1.138 | 1.011 | 1.287 | |
| HEXABUTADIENE | 1.047 | .296 | .233 | .236 | .255 | |
| 4-CHLORO-M-CRESOL | 1.150 | .821 | .873 | .860 | .851 | |
| HEXACHLOROPENTADIENE | 1.197 | .034 | .073 | .082 | .063 | |
| 2,4,6-TRICHLOROPHENOL | 1.223 | .148 | .192 | .206 | .182 | |
| 2-CHLORONAPHTHALENE | .747 | .032 | .042 | .042 | .039 | |
| ACENAPHTHYLENE | .809 | 1.326 | 1.275 | 1.041 | 1.214 | |
| DIMETHYL PHTHALATE | .815 | 1.209 | 1.150 | 1.073 | 1.144 | |
| 2,6-DINITROTOLUENE | .816 | .178 | .019 | .017 | .071 | |
| ACENAPHTHENE | .832 | 1.029 | .981 | .820 | .943 | |
| 2,4-DINITROPHENOL | .565 | 0.000 | .040 | .056 | .032 | |
| 2,4-DINITROTOLUENE | .865 | .162 | .238 | .261 | .220 | |
| 4-NITROPHENOL | .851 | .491 | .543 | .471 | .502 | |
| FLUORENE | .891 | .892 | .928 | .833 | .884 | |
| 4-CHLOROPHENYLPHENYLETHER | .897 | .539 | .579 | .515 | .544 | |
| DIETHYL PHTHALATE | .899 | 1.295 | 1.269 | 1.113 | 1.226 | |
| 4,6-DINITRO-O-CRESOL | .912 | .045 | .085 | .112 | .081 | |
| DIPHENYLAMINE | .914 | .286 | .233 | .182 | .234 | |
| AZOBENZENE | .914 | .239 | .277 | .244 | .253 | |
| 4-BROMOPHENYLPHENYLETHER | .953 | .253 | .287 | .262 | .267 | |
| HEXACHLOROBENZENE | .965 | .420 | .401 | .360 | .394 | |
| PENTACHLOROPHENOL | .991 | .074 | .144 | .152 | .123 | |
| PHENANTHRENE | 1.004 | 1.370 | 1.405 | 1.326 | 1.367 | |
| ANTHRACENE | 1.009 | 1.180 | 1.136 | 1.012 | 1.109 | |
| DIBUTYL PHTHALATE | 1.094 | 1.570 | 1.594 | 1.356 | 1.507 | |
| FLUORANTHENE | 1.148 | 1.160 | 1.310 | 1.292 | 1.254 | |

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

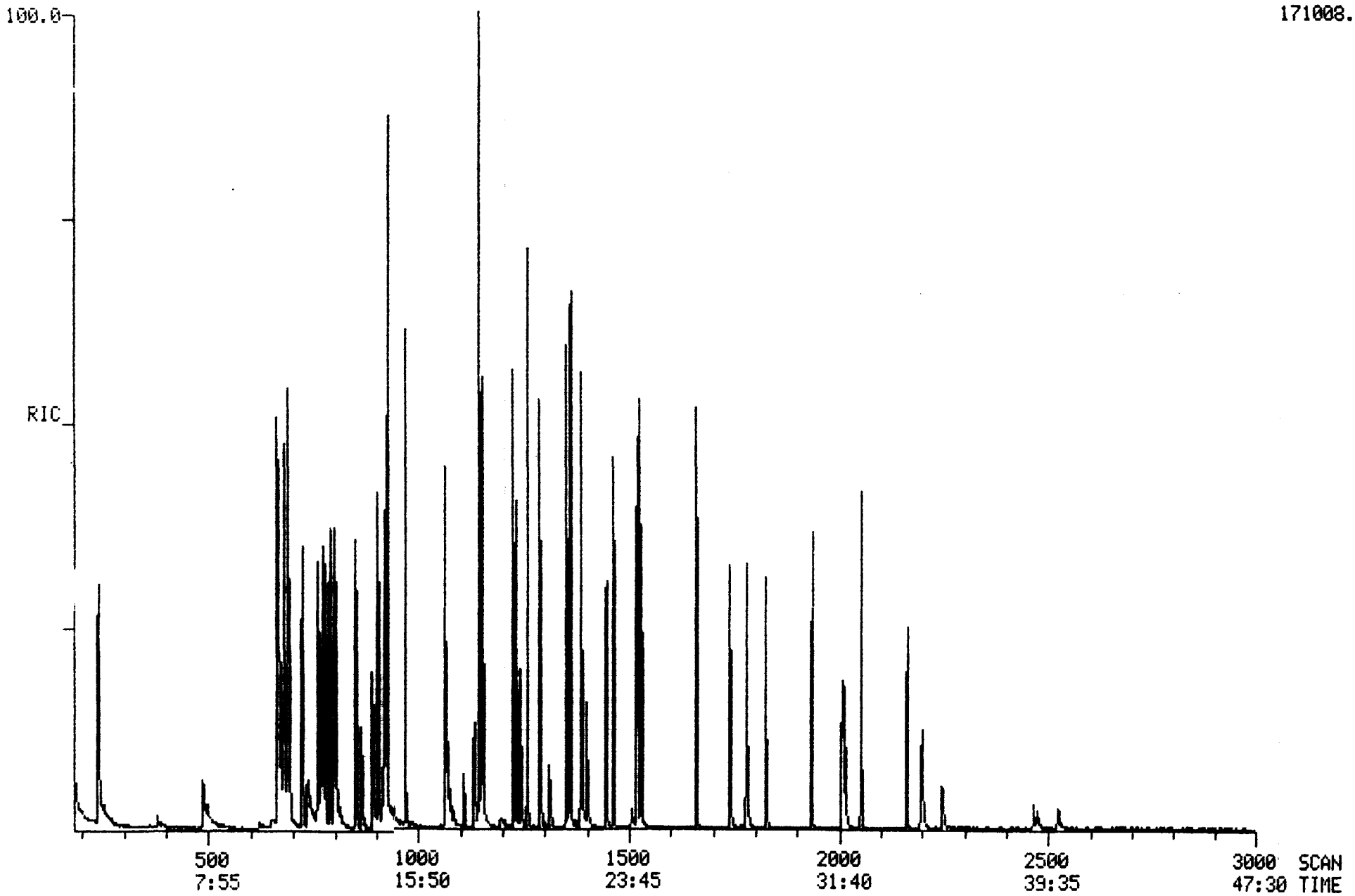
CASE NO. 2459 CONTRACT LAB USTCO CONTRACT NO. 68-01-6726
INSTRUMENT IDENTIFIER ABN CALIBRATION DATE 3/5/84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-150 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| PYRENE | .887 | 2.341 | 2.081 | 2.096 | 2.173 | |
| BENZIDINE | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| BUTYL BENZYL PHTHALATE | .963 | .977 | 1.059 | 1.215 | 1.084 | |
| BENZO(A)ANTHRACENE | .999 | .853 | 1.030 | .950 | .944 | |
| CHRYSENE | 1.003 | 1.245 | 1.199 | .991 | 1.145 | |
| 3.3'-DICHLOROBENZIDINE | .670 | 0.000 | .072 | .052 | .041 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1.022 | 1.056 | 1.236 | 1.265 | 1.186 | |
| DI-N-OCTYL-PHTHALATE | 1.076 | 1.173 | 1.546 | 1.400 | 1.373 | |
| BENZO(B)FLUORANTHENE | 1.093 | .639 | .208 | .151 | .333 | |
| BENZO(K)FLUORANTHENE | 1.096 | .845 | .221 | .230 | .432 | |
| BENZO(A)PYRENE | 1.119 | .566 | .646 | .370 | .527 | |
| INDENO(1.2.3-CD)PYRENE | 1.227 | .271 | .387 | .177 | .278 | |
| DIBENZO(AH)ANTHRACE | 1.231 | .264 | .396 | .171 | .277 | |
| BENZO(GHI)PERYLENE | 1.256 | .364 | .433 | .159 | .319 | |
| ANILINE | .942 | .116 | .427 | .811 | .451 | |
| BENZOIC ACID | 1.033 | .014 | .051 | .017 | .027 | |
| BENZYL ALCOHOL | 1.074 | .411 | .739 | .817 | .656 | |
| 4-CHLOROANILINE | 1.066 | .013 | .008 | .008 | .010 | |
| DIBENZOFURAN | .851 | 1.264 | 1.363 | 1.170 | 1.266 | |
| 2-METHYLNAPHTHALENE | 1.152 | .121 | .873 | .860 | .618 | |
| 2-METHYLPHENOL | .829 | .315 | .302 | .310 | .309 | |
| 4-METHYLPHENOL | .864 | .359 | .405 | .442 | .402 | |
| 2-NITROANILINE | .788 | .044 | .158 | .156 | .119 | |
| 3-NITROANILINE | .832 | .011 | .006 | .005 | .007 | |
| 4-NITROANILINE | .605 | 0.000 | .006 | .003 | .003 | |
| 2.4.5-TRICHLOROPHENOL | .753 | .184 | .281 | .272 | .246 | |

RIC
03/05/84 15:00:00
SAMPLE: ABNHSL STD. @ 20 UG/ML
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD107 #1
CALI: STD107 #1

SCANS 180 TO 3000



QUANTITATION REPORT FILE: STD107

DATA: STD107.TI
03/05/84 15:00:00
SAMPLE: ABNHSL STD. @ 20 UG/ML
SUBMITTED BY: ANALYST:

AMOUNT=AREA(HGHT) * REF.AMNT/(REF.AREA(HGHT)* RESP.FACT)
RESP. FAC. FROM LINEAR FIT TO WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 687 | 10:53 | 1 | 1.000 | A BB | 36698. | 20.000 UG/ML | 1.30 |
| 2 | 136 | 926 | 14:40 | 2 | 1.000 | A BB | 88207. | 20.000 UG/ML | 1.30 |
| 3 | 188 | 1518 | 24:02 | 3 | 1.000 | A BV | 60409. | 20.000 UG/ML | 1.30 |
| 4 | 240 | 2009 | 31:49 | 4 | 1.000 | A BB | 31295. | 20.000 UG/ML | 1.30 |
| 5 | 74 | 238 | 3:46 | 1 | 0.346 | A BB | 14724. | 18.942 UG/ML | 1.24 |
| 6 | 128 | 663 | 10:30 | 1 | 0.965 | A BB | 40214. | 18.960 UG/ML | 1.24 |
| 7 | 94 | 665 | 10:32 | 1 | 0.968 | A BB | 40663. | 18.707 UG/ML | 1.22 |
| 8 | 93 | 663 | 10:30 | 1 | 0.965 | A VB | 54732. | 19.204 UG/ML | 1.25 |
| 9 | 146 | 678 | 10:44 | 1 | 0.987 | A BV | 51411. | 19.263 UG/ML | 1.26 |
| 10 | 146 | 689 | 10:55 | 1 | 1.003 | A VB | 56891. | 19.188 UG/ML | 1.25 |
| 11 | 146 | 722 | 11:26 | 1 | 1.051 | A BV | 47479. | 19.155 UG/ML | 1.25 |
| 12 | 93 | 650 | 10:17 | 1 | 0.946 | A BV | 4269. | 14.168 UG/ML | 0.92 |
| 13 | 79 | 737 | 11:40 | 1 | 1.073 | A BB | 15087. | 18.087 UG/ML | 1.18 |
| 14 | 112 | 486 | 7:42 | 1 | ~~0.707~~ | A BV | 16567. | 20.186 UG/ML | 1.32 |
| 15 | 99 | 663 | 10:30 | 1 | ~~0.965~~ | A BB | 50803. | 23.242 UG/ML | 1.52 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 16 | 121 | 761 | 12:03 | 2 | 0.822 | A BB | 13859. | 20.235 UG/ML | 1.32 |
| 17 | 201 | 775 | 12:16 | 2 | 0.837 | A BB | 15288. | 19.359 UG/ML | 1.26 |
| 18 | 70 | 789 | 12:30 | 2 | 0.852 | A BV | 32964. | 20.260 UG/ML | 1.32 |
| 19 | 77 | 803 | 12:43 | 2 | 0.867 | A BV | 44904. | 23.327 UG/ML | 1.52 |
| 20 | 82 | 851 | 13:28 | 2 | 0.919 | A BB | 73434. | 19.785 UG/ML | 1.29 |
| 21 | 139 | 864 | 13:41 | 2 | 0.933 | A BB | 13548. | 19.999 UG/ML | 1.30 |
| 22 | 122 | 891 | 14:06 | 2 | 0.962 | A BB | 21895. | 19.266 UG/ML | 1.26 |
| 23 | 93 | 905 | 14:20 | 2 | 0.977 | A BV | 56401. | 20.562 UG/ML | 1.34 |
| 24 | 162 | 916 | 14:30 | 2 | 0.989 | A BV | 8675. | 16.958 UG/ML | 1.11 |
| 25 | 180 | 920 | 14:34 | 2 | 0.994 | A BB | 37128. | 20.059 UG/ML | 1.31 |
| 26 | 128 | 929 | 14:43 | 2 | 1.003 | A BB | 150963. | 20.342 UG/ML | 1.33 |
| 27 | 225 | 971 | 15:22 | 2 | 1.049 | A BB | 26145. | 20.596 UG/ML | 1.34 |
| 28 | 142 | 1065 | 16:52 | 2 | 1.150 | A*BV | 72434. | 32.980 UG/ML | 2.15 |
| 29 | 237 | 1111 | 17:35 | 2 | 1.200 | A BB | 3019. | 17.926 UG/ML | 1.17 |
| 30 | 196 | 1134 | 17:57 | 2 | 1.225 | A BV | 13044. | 19.531 UG/ML | 1.27 |
| 31 | 108 | 768 | 12:10 | 2 | 0.829 | A BB | 27810. | 20.192 UG/ML | 1.32 |
| 32 | 107 | 800 | 12:40 | 2 | 0.864 | A*BB | 31669. | 19.974 UG/ML | 1.30 |
| 33 | 122 | 960 | 15:12 | 2 | 1.037 | A VV | 1275. | 31.416 UG/ML | 2.05 |
| 34 | 127 | 985 | 15:36 | 2 | 1.064 | A*BB | 1177. | 20.977 UG/ML | 1.37 |
| 35 | 142 | 1071 | 16:57 | 2 | 1.157 | A*VV | 10658. | 12.805 UG/ML | 0.84 |
| 36 | 82 | 800 | 12:40 | 2 | ~~0.864~~ | A BB | 41623. | 25.234 UG/ML | 1.65 |
| 37 | 172 | 1146 | 18:09 | 2 | ~~1.238~~ | A BB | 90711. | 25.404 UG/ML | 1.66 |
| 38 | 162 | 1134 | 17:57 | 3 | 0.747 | A BB | 1958. | 19.193 UG/ML | 1.25 |
| 39 | 163 | 1235 | 19:33 | 3 | 0.814 | A BB | 73046. | 19.913 UG/ML | 1.30 |
| 40 | 152 | 1227 | 19:26 | 3 | 0.808 | A BB | 80087. | 19.559 UG/ML | 1.28 |
| 41 | 165 | 1244 | 19:42 | 3 | 0.819 | A BB | 10735. | 28.891 UG/ML | 1.88 |
| 42 | 153 | 1261 | 19:58 | 3 | 0.831 | A BB | 62154. | 19.616 UG/ML | 1.28 |
| 43 | NOT | FOUND | | | | | | | |
| 44 | 139 | 1290 | 20:25 | 3 | 0.850 | A BB | 29642. | 19.375 UG/ML | 1.26 |
| 45 | 165 | 1311 | 20:45 | 3 | 0.864 | A BB | 9788. | 18.949 UG/ML | 1.24 |
| 46 | 166 | 1352 | 21:24 | 3 | 0.891 | A BB | 53887. | 19.586 UG/ML | 1.28 |
| 47 | 204 | 1360 | 21:32 | 3 | 0.896 | A BB | 32575. | 19.497 UG/ML | 1.27 |
| 48 | 149 | 1362 | 21:34 | 3 | 0.897 | A BB | 78252. | 19.671 UG/ML | 1.28 |
| 49 | 198 | 1384 | 21:55 | 3 | 0.912 | A BB | 2715. | 18.065 UG/ML | 1.18 |
| 50 | 169 | 1387 | 21:58 | 3 | 0.914 | A BV | 17303. | 19.741 UG/ML | 1.29 |
| 51 | 182 | 1387 | 21:58 | 3 | 0.914 | A BB | 14416. | 19.292 UG/ML | 1.26 |
| 52 | 248 | 1446 | 22:54 | 3 | 0.953 | A BB | 15259. | 19.404 UG/ML | 1.27 |
| 53 | 284 | 1464 | 23:11 | 3 | 0.964 | A BB | 25374. | 19.793 UG/ML | 1.29 |
| 54 | 266 | 1506 | 23:51 | 3 | 0.992 | A*BB | 4481. | 17.808 UG/ML | 1.16 |
| 55 | 178 | 1523 | 24:07 | 3 | 1.003 | A BV | 82782. | 19.750 UG/ML | 1.29 |
| 56 | 178 | 1531 | 24:14 | 3 | 1.009 | A VB | 71276. | 19.750 UG/ML | 1.29 |
| 57 | 149 | 1661 | 26:18 | 3 | 1.094 | A BV | 94820. | 19.529 UG/ML | 1.27 |
| 58 | 202 | 1742 | 27:35 | 3 | 1.148 | A BB | 70075. | 19.601 UG/ML | 1.28 |
| 59 | 196 | 1148 | 18:11 | 3 | 0.756 | A VB | 11125. | 18.644 UG/ML | 1.22 |
| 60 | 138 | 1198 | 18:58 | 3 | 0.789 | A BV | 2635. | 15.129 UG/ML | 0.99 |
| 61 | 65 | 1261 | 19:58 | 3 | 0.831 | A BB | 674. | 20.646 UG/ML | 1.35 |
| 62 | 168 | 1290 | 20:25 | 3 | 0.850 | A BV | 76364. | 19.419 UG/ML | 1.27 |
| 63 | NOT | FOUND | | | | | | | |
| 64 | 330 | 1401 | 22:11 | 3 | ~~0.923~~ | A BB | 7993. | 24.097 UG/ML | 1.57 |
| 65 | NOT | FOUND | | | | | | | |
| 66 | 202 | 1781 | 28:12 | 4 | 0.887 | A BB | 73261. | 20.313 UG/ML | 1.33 |
| 67 | 149 | 1935 | 30:38 | 4 | 0.963 | A BB | 30589. | 20.252 UG/ML | 1.32 |
| 68 | 228 | 2007 | 31:47 | 4 | 0.999 | A BV | 26688. | 19.360 UG/ML | 1.26 |
| 69 | NOT | FOUND | | | | | | | |
| 70 | 228 | 2014 | 31:53 | 4 | 1.002 | A VB | 38972. | 19.607 UG/ML | 1.28 |
| 71 | 149 | 2054 | 32:31 | 4 | 1.022 | A BB | 33032. | 19.656 UG/ML | 1.28 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 72 | 244 | 1826 | 28:55 | 4 | ~~0.989~~ | A BB | 50807. | 26.886 | UG/ML | 1.75 |
| 73 | NOT FOUND | | | | | | | | | |
| 74 | 149 | 2163 | 34:15 | 4 | 1.077 | A BB | 36707. | 19.146 | UG/ML | 1.25 |
| 75 | 252 | 2197 | 34:47 | 4 | 1.094 | A BV | 19989. | 20.368 | UG/ML | 1.33 |
| 76 | 252 | 2201 | 34:51 | 4 | 1.096 | A VB | 26443. | 24.793 | UG/ML | 1.62 |
| 77 | 252 | 2248 | 35:36 | 4 | 1.119 | A BB | 17724. | 20.351 | UG/ML | 1.33 |
| 78 | 276 | 2465 | 39:02 | 4 | 1.227 | A BV | 8496. | 22.602 | UG/ML | 1.47 |
| 79 | 278 | 2475 | 39:11 | 4 | 1.232 | A BV | 8270. | 23.357 | UG/ML | 1.52 |
| 80 | 276 | 2524 | 39:58 | 4 | 1.256 | A BB | 11390. | 25.002 | UG/ML | 1.63 |

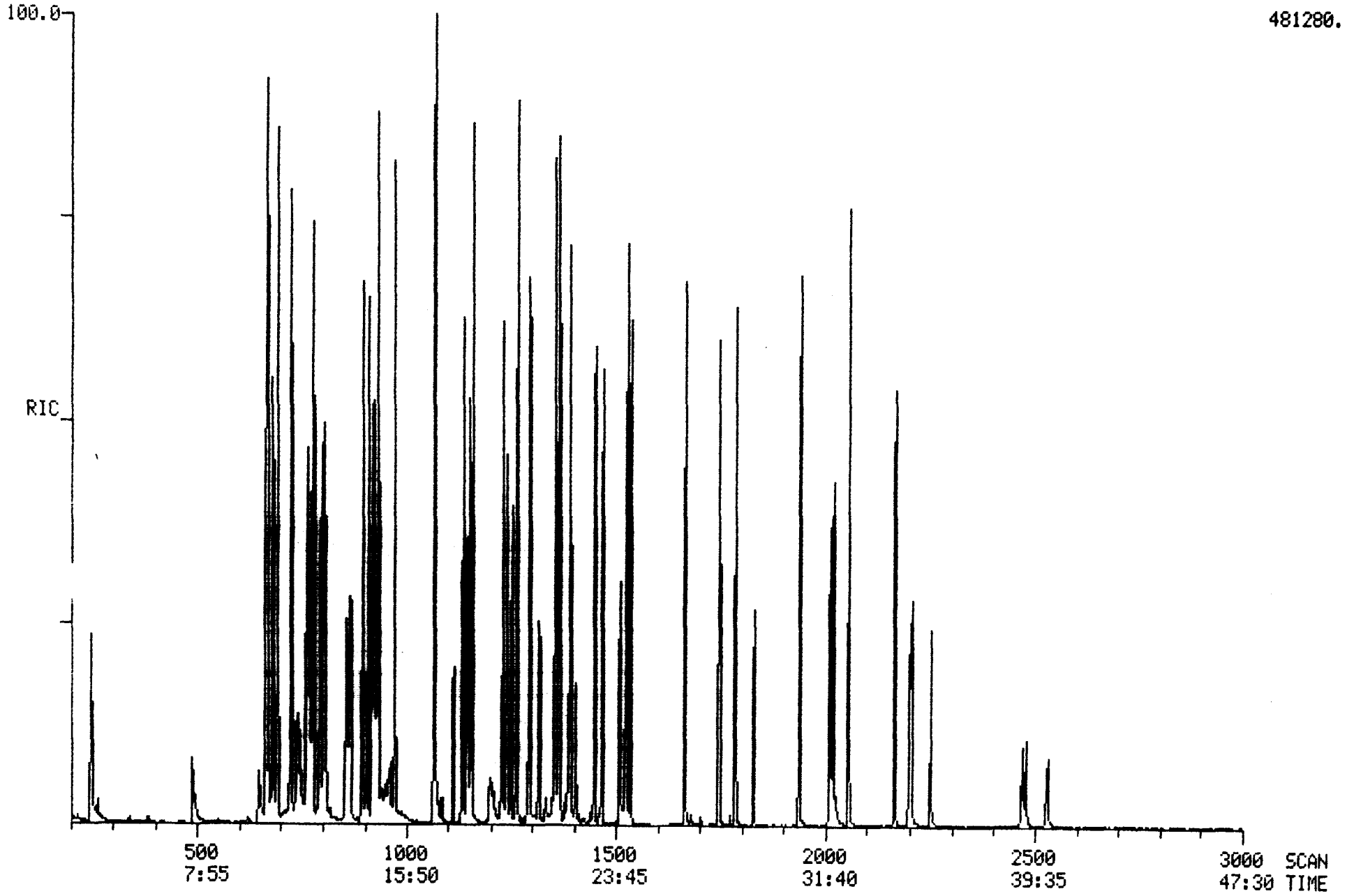
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 0.97 | 0.358 | 0.97 | 18.94 | 20.00 | 0.401 | 0.424 | 0.95 |
| 6 | 10:30 | 1.00 | 0.965 | 1.00 | 18.96 | 20.00 | 1.096 | 1.156 | 0.95 |
| 7 | 10:35 | 1.00 | 0.972 | 1.00 | 18.71 | 20.00 | 1.108 | 1.185 | 0.94 |
| 8 | 10:33 | 1.00 | 0.969 | 1.00 | 19.20 | 20.00 | 1.491 | 1.553 | 0.96 |
| 9 | 10:46 | 1.00 | 0.990 | 1.00 | 19.26 | 20.00 | 1.401 | 1.455 | 0.96 |
| 10 | 10:57 | 1.00 | 1.007 | 1.00 | 19.19 | 20.00 | 1.550 | 1.616 | 0.96 |
| 11 | 11:28 | 1.00 | 1.054 | 1.00 | 19.16 | 20.00 | 1.294 | 1.351 | 0.96 |
| 12 | 10:15 | 1.00 | 0.942 | 1.00 | 14.17 | 20.00 | 0.116 | 0.164 | 0.71 |
| 13 | 11:41 | 1.00 | 1.074 | 1.00 | 18.09 | 20.00 | 0.411 | 0.455 | 0.90 |
| 14 | 7:44 | 1.00 | 0.710 | 1.00 | 20.19 | 25.00 | ~~0.361~~ | 0.447 | 0.81 |
| 15 | 10:31 | 1.00 | 0.967 | 1.00 | 23.24 | 25.00 | ~~1.107~~ | 1.191 | 0.93 |
| 16 | 12:04 | 1.00 | 0.821 | 1.00 | 20.24 | 20.00 | 0.157 | 0.155 | 1.01 |
| 17 | 12:18 | 1.00 | 0.837 | 1.00 | 19.36 | 20.00 | 0.173 | 0.179 | 0.97 |
| 18 | 12:35 | 0.99 | 0.857 | 0.99 | 20.26 | 20.00 | 0.374 | 0.369 | 1.01 |
| 19 | 12:47 | 1.00 | 0.870 | 1.00 | 23.33 | 20.00 | 0.509 | 0.436 | 1.17 |
| 20 | 13:33 | 0.99 | 0.922 | 1.00 | 19.79 | 20.00 | 0.833 | 0.842 | 0.99 |
| 21 | 13:42 | 1.00 | 0.932 | 1.00 | 20.00 | 20.00 | 0.154 | 0.154 | 1.00 |
| 22 | 14:10 | 1.00 | 0.964 | 1.00 | 19.27 | 20.00 | 0.248 | 0.258 | 0.96 |
| 23 | 14:24 | 1.00 | 0.980 | 1.00 | 20.56 | 20.00 | 0.639 | 0.622 | 1.03 |
| 24 | 14:31 | 1.00 | 0.988 | 1.00 | 16.96 | 20.00 | 0.098 | 0.116 | 0.85 |
| 25 | 14:37 | 1.00 | 0.995 | 1.00 | 20.06 | 20.00 | 0.421 | 0.420 | 1.00 |
| 26 | 14:45 | 1.00 | 1.004 | 1.00 | 20.34 | 20.00 | 1.711 | 1.683 | 1.02 |
| 27 | 15:23 | 1.00 | 1.047 | 1.00 | 20.60 | 20.00 | 0.296 | 0.288 | 1.03 |
| 28 | 16:54 | 1.00 | 1.150 | 1.00 | 32.98 | 20.00 | 0.821 | 0.498 | 1.65 |
| 29 | 17:35 | 1.00 | 1.197 | 1.00 | 17.93 | 20.00 | 0.034 | 0.038 | 0.90 |
| 30 | 17:58 | 1.00 | 1.223 | 1.00 | 19.53 | 20.00 | 0.148 | 0.151 | 0.98 |
| 31 | 12:11 | 1.00 | 0.830 | 1.00 | 20.19 | 20.00 | 0.315 | 0.312 | 1.01 |
| 32 | 12:40 | 1.00 | 0.862 | 1.00 | 19.97 | 20.00 | 0.359 | 0.359 | 1.00 |
| 33 | 15:08 | 1.00 | 1.030 | 1.01 | 31.42 | 20.00 | 0.014 | 0.009 | 1.57 |
| 34 | 15:40 | 1.00 | 1.066 | 1.00 | 20.98 | 20.00 | 0.013 | 0.013 | 1.05 |
| 35 | 16:54 | 1.00 | 1.150 | 1.01 | 12.80 | 20.00 | 0.121 | 0.189 | 0.64 |
| 36 | 12:41 | 1.00 | 0.863 | 1.00 | 25.23 | 25.00 | ~~0.378~~ | 0.374 | 1.01 |
| 37 | 18:10 | 1.00 | 1.236 | 1.00 | 25.40 | 25.00 | ~~0.823~~ | 0.810 | 1.02 |
| 38 | 17:58 | 1.00 | 0.747 | 1.00 | 19.19 | 20.00 | 0.032 | 0.034 | 0.96 |
| 39 | 19:37 | 1.00 | 0.815 | 1.00 | 19.91 | 20.00 | 1.209 | 1.214 | 1.00 |
| 40 | 19:28 | 1.00 | 0.809 | 1.00 | 19.56 | 20.00 | 1.326 | 1.356 | 0.98 |
| 41 | 19:37 | 1.00 | 0.815 | 1.01 | 28.89 | 20.00 | 0.178 | 0.123 | 1.44 |
| 42 | 20:01 | 1.00 | 0.832 | 1.00 | 19.62 | 20.00 | 1.029 | 1.049 | 0.98 |
| 43 | 20:24 | | 0.847 | | | 100.00 | | 0.040 | |
| 44 | 20:28 | 1.00 | 0.851 | 1.00 | 19.37 | 20.00 | 0.491 | 0.507 | 0.97 |
| 45 | 20:49 | 1.00 | 0.865 | 1.00 | 18.95 | 20.00 | 0.162 | 0.171 | 0.95 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 46 | 21:27 | 1.00 | 0.891 | 1.00 | 19.59 | 20.00 | 0.892 | 0.911 | 0.98 |
| 47 | 21:35 | 1.00 | 0.897 | 1.00 | 19.50 | 20.00 | 0.539 | 0.553 | 0.97 |
| 48 | 21:38 | 1.00 | 0.899 | 1.00 | 19.67 | 20.00 | 1.295 | 1.317 | 0.98 |
| 49 | 21:56 | 1.00 | 0.911 | 1.00 | 18.06 | 20.00 | 0.045 | 0.050 | 0.90 |
| 50 | 22:00 | 1.00 | 0.914 | 1.00 | 19.74 | 20.00 | 0.286 | 0.290 | 0.99 |
| 51 | 22:00 | 1.00 | 0.914 | 1.00 | 19.29 | 20.00 | 0.239 | 0.247 | 0.96 |
| 52 | 22:56 | 1.00 | 0.953 | 1.00 | 19.40 | 20.00 | 0.253 | 0.260 | 0.97 |
| 53 | 23:14 | 1.00 | 0.965 | 1.00 | 19.79 | 20.00 | 0.420 | 0.424 | 0.99 |
| 54 | 23:52 | 1.00 | 0.991 | 1.00 | 17.81 | 20.00 | 0.074 | 0.083 | 0.89 |
| 55 | 24:10 | 1.00 | 1.004 | 1.00 | 19.75 | 20.00 | 1.370 | 1.388 | 0.99 |
| 56 | 24:17 | 1.00 | 1.009 | 1.00 | 19.75 | 20.00 | 1.180 | 1.195 | 0.99 |
| 57 | 26:21 | 1.00 | 1.095 | 1.00 | 19.53 | 20.00 | 1.570 | 1.608 | 0.98 |
| 58 | 27:39 | 1.00 | 1.149 | 1.00 | 19.60 | 20.00 | 1.160 | 1.184 | 0.98 |
| 59 | 18:04 | 1.01 | 0.751 | 1.01 | 18.64 | 20.00 | 0.184 | 0.198 | 0.93 |
| 60 | 18:56 | 1.00 | 0.787 | 1.00 | 15.13 | 20.00 | 0.044 | 0.058 | 0.76 |
| 61 | 20:01 | 1.00 | 0.832 | 1.00 | 20.65 | 20.00 | 0.011 | 0.011 | 1.03 |
| 62 | 20:28 | 1.00 | 0.851 | 1.00 | 19.42 | 20.00 | 1.264 | 1.302 | 0.97 |
| 63 | 22:00 | | 0.914 | | | 100.00 | | 0.006 | |
| 64 | 22:13 | 1.00 | 0.923 | 1.00 | 24.10 | 25.00 | ~~0.106~~ | 0.110 | 0.96 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 1.00 | 0.887 | 1.00 | 20.31 | 20.00 | 2.341 | 2.305 | 1.02 |
| 67 | 30:41 | 1.00 | 0.963 | 1.00 | 20.25 | 20.00 | 0.977 | 0.965 | 1.01 |
| 68 | 31:49 | 1.00 | 0.999 | 1.00 | 19.36 | 20.00 | 0.853 | 0.881 | 0.97 |
| 69 | 32:02 | | 1.005 | | | 100.00 | | 0.072 | |
| 70 | 31:57 | 1.00 | 1.003 | 1.00 | 19.61 | 20.00 | 1.245 | 1.270 | 0.98 |
| 71 | 32:33 | 1.00 | 1.022 | 1.00 | 19.66 | 20.00 | 1.056 | 1.074 | 0.98 |
| 72 | 28:56 | 1.00 | 0.908 | 1.00 | 26.89 | 25.00 | ~~1.299~~ | 1.208 | 1.08 |
| 73 | 31:07 | | 1.065 | | | 20.00 | —— | 0.122 | |
| 74 | 34:17 | 1.00 | 1.076 | 1.00 | 19.15 | 20.00 | 1.173 | 1.225 | 0.96 |
| 75 | 34:50 | 1.00 | 1.093 | 1.00 | 20.37 | 20.00 | 0.639 | 0.627 | 1.02 |
| 76 | 34:55 | 1.00 | 1.096 | 1.00 | 24.79 | 20.00 | 0.845 | 0.682 | 1.24 |
| 77 | 35:38 | 1.00 | 1.119 | 1.00 | 20.35 | 20.00 | 0.566 | 0.557 | 1.02 |
| 78 | 39:06 | 1.00 | 1.227 | 1.00 | 22.60 | 20.00 | 0.271 | 0.240 | 1.13 |
| 79 | 39:13 | 1.00 | 1.231 | 1.00 | 23.36 | 20.00 | 0.264 | 0.226 | 1.17 |
| 80 | 40:03 | 1.00 | 1.257 | 1.00 | 25.00 | 20.00 | 0.364 | 0.291 | 1.25 |

RIC
03/05/84 14:04:00
SAMPLE: 100 UG/ML STD
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD106 #1
CALI: STD106 #1

SCANS 200 TO 3000



QUANTITATION REPORT FILE: STD106

DATA: STD106.TI
03/05/84 14:04:00
SAMPLE: 100 UG/ML STD
SUBMITTED BY: ANALYST:

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4 NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 687 | 10:53 | 1 | 1.000 | A BB | 31332. | 20.000 | UG/ML | 0.26 |
| 2 | 136 | 928 | 14:42 | 2 | 1.000 | A BV | 100797. | 20.000 | UG/ML | 0.26 |
| 3 | 188 | 1520 | 24:04 | 3 | 1.000 | A VV | 64643. | 20.000 | UG/ML | 0.26 |
| 4 | 240 | 2012 | 31:51 | 4 | 1.000 | A BB | 41124. | 20.000 | UG/ML | 0.26 |
| 5 | 74 | 246 | 3:54 | 1 | 0.358 | A BB | 90488. | 97.160 | UG/ML | 1.24 |
| 6 | 128 | 663 | 10:30 | 1 | 0.965 | A BV | 223778. | 111.977 | UG/ML | 1.43 |
| 7 | 94 | 668 | 10:35 | 1 | 0.972 | A BB | 252418. | 107.610 | UG/ML | 1.37 |
| 8 | 93 | 666 | 10:33 | 1 | 0.969 | A VB | 268542. | 114.796 | UG/ML | 1.46 |
| 9 | 146 | 680 | 10:46 | 1 | 0.990 | A BV | 255759. | 108.752 | UG/ML | 1.39 |
| 10 | 146 | 692 | 10:57 | 1 | 1.007 | A VB | 282146. | 120.793 | UG/ML | 1.54 |
| 11 | 146 | 724 | 11:28 | 1 | 1.054 | A BV | 248529. | 107.945 | UG/ML | 1.38 |
| 12 | 93 | 647 | 10:15 | 1 | 0.942 | A BV | 66842. | 75.370 | UG/ML | 0.96 |
| 13 | 79 | 738 | 11:41 | 1 | 1.074 | A BB | 115710. | 96.494 | UG/ML | 1.23 |
| 14 | 112 | 488 | 7:44 | 1 | ~~0.710~~ | A BB | 70355. | 52.953 | UG/ML | 0.68 |
| 15 | 99 | 664 | 10:31 | 1 | ~~0.967~~ | A BB | 116914. | 53.182 | UG/ML | 0.68 |
| 16 | 121 | 762 | 12:04 | 2 | 0.821 | A BB | 66904. | 101.347 | UG/ML | 1.29 |
| 17 | 201 | 777 | 12:18 | 2 | 0.837 | A BB | 103064. | 114.936 | UG/ML | 1.47 |
| 18 | 70 | 795 | 12:35 | 2 | 0.857 | A BV | 146422. | 103.156 | UG/ML | 1.32 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 77 | 807 | 12:47 | 2 | 0.870 | A VV | 172948. | 76.718 | UG/ML | 0.98 |
| 20 | 82 | 856 | 13:33 | 2 | 0.922 | A BB | 383713. | 108.654 | UG/ML | 1.39 |
| 21 | 139 | 865 | 13:42 | 2 | 0.932 | A VV | 99201. | 89.154 | UG/ML | 1.14 |
| 22 | 122 | 895 | 14:10 | 2 | 0.964 | A BB | 164029. | 104.535 | UG/ML | 1.33 |
| 23 | 93 | 909 | 14:24 | 2 | 0.980 | A BV | 260549. | 97.605 | UG/ML | 1.24 |
| 24 | 162 | 917 | 14:31 | 2 | 0.988 | A BV | 148246. | 106.439 | UG/ML | 1.36 |
| 25 | 180 | 923 | 14:37 | 2 | 0.995 | A BB | 208248. | 99.608 | UG/ML | 1.27 |
| 26 | 128 | 932 | 14:45 | 2 | 1.004 | A BB | 573634. | 105.269 | UG/ML | 1.34 |
| 27 | 225 | 972 | 15:23 | 2 | 1.047 | A BB | 117348. | 97.837 | UG/ML | 1.25 |
| 28 | 142 | 1067 | 16:54 | 2 | 1.150 | A BV | 439788. | 101.194 | UG/ML | 1.29 |
| 29 | 237 | 1111 | 17:35 | 2 | 1.197 | A BB | 36647. | 95.549 | UG/ML | 1.22 |
| 30 | 196 | 1135 | 17:58 | 2 | 1.223 | A BV | 96672. | 96.976 | UG/ML | 1.24 |
| 31 | 108 | 770 | 12:11 | 2 | 0.830 | A BB | 152209. | 98.190 | UG/ML | 1.25 |
| 32 | 107 | 800 | 12:40 | 2 | 0.862 | A BB | 204082. | 95.541 | UG/ML | 1.22 |
| 33 | 122 | 956 | 15:08 | 2 | 1.030 | A VV | 25925. | 204.121 | UG/ML | 2.60 |
| 34 | 127 | 989 | 15:40 | 2 | 1.066 | A*VV | 4045. | 98.225 | UG/ML | 1.25 |
| 35 | 142 | 1067 | 16:54 | 2 | 1.150 | A BV | 439788. | 104.650 | UG/ML | 1.33 |
| 36 | 82 | 801 | 12:41 | 2 | ~~0.863~~ | A BB | 92782. | 49.105 | UG/ML | 0.63 |
| 37 | 172 | 1147 | 18:10 | 2 | ~~1.236~~ | A BV | 187967. | 49.319 | UG/ML | 0.63 |
| 38 | 162 | 1135 | 17:58 | 3 | 0.747 | A BV | 13657. | 100.952 | UG/ML | 1.29 |
| 39 | 163 | 1239 | 19:37 | 3 | 0.815 | A VB | 371803. | 104.109 | UG/ML | 1.33 |
| 40 | 152 | 1229 | 19:28 | 3 | 0.809 | A BB | 412059. | 113.596 | UG/ML | 1.45 |
| 41 | 165 | 1239 | 19:37 | 3 | 0.815 | A BV | 6301. | 175.984 | UG/ML | 2.24 |
| 42 | 153 | 1264 | 20:01 | 3 | 0.832 | A BV | 317197. | 111.871 | UG/ML | 1.43 |
| 43 | 184 | 1288 | 20:24 | 3 | 0.847 | A BB | 12879. | 100.000 | UG/ML | 1.28 |
| 44 | 139 | 1293 | 20:28 | 3 | 0.851 | A BB | 175625. | 109.768 | UG/ML | 1.40 |
| 45 | 165 | 1315 | 20:49 | 3 | 0.865 | A BB | 76764. | 96.230 | UG/ML | 1.23 |
| 46 | 166 | 1355 | 21:27 | 3 | 0.891 | A VV | 300067. | 107.117 | UG/ML | 1.37 |
| 47 | 204 | 1363 | 21:35 | 3 | 0.897 | A BB | 186996. | 107.758 | UG/ML | 1.37 |
| 48 | 149 | 1366 | 21:38 | 3 | 0.899 | A VB | 410197. | 108.435 | UG/ML | 1.38 |
| 49 | 198 | 1385 | 21:56 | 3 | 0.911 | A BB | 27610. | 88.252 | UG/ML | 1.13 |
| 50 | 169 | 1389 | 22:00 | 3 | 0.914 | A VV | 75386. | 116.638 | UG/ML | 1.49 |
| 51 | 182 | 1390 | 22:00 | 3 | 0.914 | A BB | 89555. | 108.773 | UG/ML | 1.39 |
| 52 | 248 | 1448 | 22:56 | 3 | 0.953 | A VB | 92851. | 106.307 | UG/ML | 1.36 |
| 53 | 284 | 1467 | 23:14 | 3 | 0.965 | A VB | 129491. | 106.683 | UG/ML | 1.36 |
| 54 | 266 | 1507 | 23:52 | 3 | 0.991 | A BV | 46403. | 99.105 | UG/ML | 1.26 |
| 55 | 178 | 1526 | 24:10 | 3 | 1.004 | A VV | 454277. | 103.755 | UG/ML | 1.32 |
| 56 | 178 | 1534 | 24:17 | 3 | 1.009 | A VB | 367183. | 107.275 | UG/ML | 1.37 |
| 57 | 149 | 1664 | 26:21 | 3 | 1.095 | A BB | 515202. | 110.742 | UG/ML | 1.41 |
| 58 | 202 | 1746 | 27:39 | 3 | 1.149 | A BB | 423268. | 101.374 | UG/ML | 1.29 |
| 59 | 196 | 1141 | 18:04 | 3 | 0.751 | A VB | 90664. | 103.535 | UG/ML | 1.32 |
| 60 | 138 | 1196 | 18:56 | 3 | 0.787 | A BB | 51168. | 104.040 | UG/ML | 1.33 |
| 61 | 65 | 1264 | 20:01 | 3 | 0.832 | A BB | 1923. | 109.699 | UG/ML | 1.40 |
| 62 | 168 | 1293 | 20:28 | 3 | 0.851 | A BB | 440459. | 110.307 | UG/ML | 1.41 |
| 63 | 138 | 1389 | 22:00 | 3 | 0.914 | A*BB | 2024. | 100.000 | UG/ML | 1.28 |
| 64 | 330 | 1403 | 22:13 | 3 | ~~0.923~~ | A BB | 20701. | 50.612 | UG/ML | 0.65 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1785 | 28:16 | 4 | 0.887 | A BB | 427826. | 98.918 | UG/ML | 1.26 |
| 67 | 149 | 1938 | 30:41 | 4 | 0.963 | A BB | 217650. | 92.662 | UG/ML | 1.18 |
| 68 | 228 | 2009 | 31:49 | 4 | 0.999 | A BV | 211870. | 105.932 | UG/ML | 1.35 |
| ~~69~~ | ~~252~~ | ~~2023~~ | ~~32:02~~ | 4 | 1.005 | A BV | 14860. | 100.000 | UG/ML | 1.28 |
| 70 | 228 | 2018 | 31:57 | 4 | 1.003 | A VB | 246600. | 112.700 | UG/ML | 1.44 |
| 71 | 149 | 2056 | 32:33 | 4 | 1.022 | A BV | 254236. | 99.380 | UG/ML | 1.27 |
| 72 | 244 | 1827 | 28:56 | 4 | ~~0.908~~ | A BV | 111664. | 44.351 | UG/ML | 0.57 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | 149 | 2165 | 34:17 | 4 | 1.076 | A BB | 317985. | 107.380 | UG/ML | 1.37 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 252 | 2200 | 34:50 | 4 | 1.093 | A BB | 42856. | 116.660 | UG/ML | 1.49 |
| 76 | 252 | 2205 | 34:55 | 4 | 1.096 | A BB | 45376. | 71.181 | UG/ML | 0.91 |
| 77 | 252 | 2251 | 35:38 | 4 | 1.119 | A BB | 132802. | 146.124 | UG/ML | 1.86 |
| 78 | 276 | 2469 | 39:06 | 4 | 1.227 | A BV | 79622. | 171.661 | UG/ML | 2.19 |
| 79 | 278 | 2477 | 39:13 | 4 | 1.231 | A BB | 81365. | 178.680 | UG/ML | 2.28 |
| 80 | 276 | 2530 | 40:03 | 4 | 1.257 | A BV | 88939. | 206.810 | UG/ML | 2.64 |

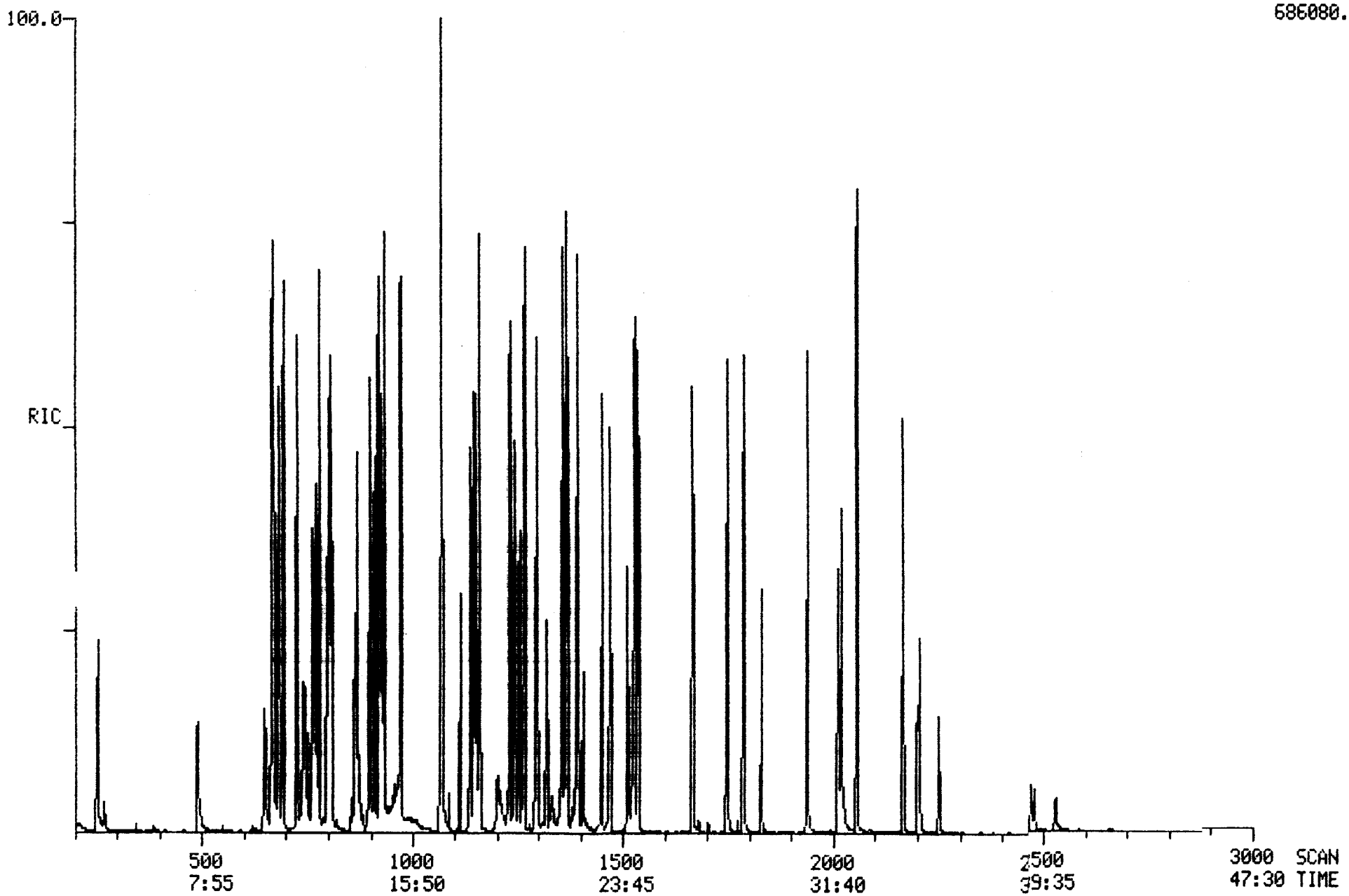
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 1.00 | 0.358 | 1.00 | 97.16 | 100.00 | 0.578 | 0.594 | 0.97 |
| 6 | 10:30 | 1.00 | 0.965 | 1.00 | 111.98 | 100.00 | 1.428 | 1.276 | 1.12 |
| 7 | 10:35 | 1.00 | 0.972 | 1.00 | 107.61 | 100.00 | 1.611 | 1.497 | 1.08 |
| 8 | 10:33 | 1.00 | 0.969 | 1.00 | 114.80 | 100.00 | 1.714 | 1.493 | 1.15 |
| 9 | 10:46 | 1.00 | 0.990 | 1.00 | 108.75 | 100.00 | 1.633 | 1.501 | 1.09 |
| 10 | 10:57 | 1.00 | 1.007 | 1.00 | 120.79 | 100.00 | 1.801 | 1.491 | 1.21 |
| 11 | 11:28 | 1.00 | 1.054 | 1.00 | 107.94 | 100.00 | 1.586 | 1.470 | 1.08 |
| 12 | 10:15 | 1.00 | 0.942 | 1.00 | 75.37 | 100.00 | 0.427 | 0.566 | 0.75 |
| 13 | 11:41 | 1.00 | 1.074 | 1.00 | 96.49 | 100.00 | 0.739 | 0.765 | 0.96 |
| 14 | 7:44 | 1.00 | 0.710 | 1.00 | 52.95 | 50.00 | ~~0.898~~ | 0.848 | 1.06 |
| 15 | 10:31 | 1.00 | 0.967 | 1.00 | 53.18 | 50.00 | ~~1.493~~ | 1.403 | 1.06 |
| 16 | 12:04 | 1.00 | 0.821 | 1.00 | 101.35 | 100.00 | 0.133 | 0.131 | 1.01 |
| 17 | 12:18 | 1.00 | 0.837 | 1.00 | 114.94 | 100.00 | 0.204 | 0.178 | 1.15 |
| 18 | 12:35 | 1.00 | 0.857 | 1.00 | 103.16 | 100.00 | 0.291 | 0.282 | 1.03 |
| 19 | 12:47 | 1.00 | 0.870 | 1.00 | 76.72 | 100.00 | 0.343 | 0.447 | 0.77 |
| 20 | 13:33 | 1.00 | 0.922 | 1.00 | 108.65 | 100.00 | 0.761 | 0.701 | 1.09 |
| 21 | 13:42 | 1.00 | 0.932 | 1.00 | 89.15 | 100.00 | 0.197 | 0.221 | 0.89 |
| 22 | 14:10 | 1.00 | 0.964 | 1.00 | 104.54 | 100.00 | 0.325 | 0.311 | 1.05 |
| 23 | 14:24 | 1.00 | 0.980 | 1.00 | 97.61 | 100.00 | 0.517 | 0.530 | 0.98 |
| 24 | 14:31 | 1.00 | 0.988 | 1.00 | 106.44 | 100.00 | 0.294 | 0.276 | 1.06 |
| 25 | 14:37 | 1.00 | 0.995 | 1.00 | 99.61 | 100.00 | 0.413 | 0.415 | 1.00 |
| 26 | 14:45 | 1.00 | 1.004 | 1.00 | 105.27 | 100.00 | 1.138 | 1.081 | 1.05 |
| 27 | 15:23 | 1.00 | 1.047 | 1.00 | 97.84 | 100.00 | 0.233 | 0.238 | 0.98 |
| 28 | 16:54 | 1.00 | 1.150 | 1.00 | 101.19 | 100.00 | 0.873 | 0.862 | 1.01 |
| 29 | 17:35 | 1.00 | 1.197 | 1.00 | 95.55 | 100.00 | 0.073 | 0.076 | 0.96 |
| 30 | 17:58 | 1.00 | 1.223 | 1.00 | 96.98 | 100.00 | 0.192 | 0.198 | 0.97 |
| 31 | 12:11 | 1.00 | 0.830 | 1.00 | 98.19 | 100.00 | 0.302 | 0.308 | 0.98 |
| 32 | 12:40 | 1.00 | 0.862 | 1.00 | 95.54 | 100.00 | 0.405 | 0.424 | 0.96 |
| 33 | 15:08 | 1.00 | 1.030 | 1.00 | 204.12 | 100.00 | 0.051 | 0.025 | 2.04 |
| 34 | 15:40 | 1.00 | 1.066 | 1.00 | 98.22 | 100.00 | 0.008 | 0.008 | 0.98 |
| 35 | 16:54 | 1.00 | 1.150 | 1.00 | 104.65 | 100.00 | 0.873 | 0.834 | 1.05 |
| 36 | 12:41 | 1.00 | 0.863 | 1.00 | 49.11 | 50.00 | ~~0.368~~ | 0.375 | 0.98 |
| 37 | 18:10 | 1.00 | 1.236 | 1.00 | 49.32 | 50.00 | ~~0.746~~ | 0.756 | 0.99 |
| 38 | 17:58 | 1.00 | 0.747 | 1.00 | 100.95 | 100.00 | 0.042 | 0.042 | 1.01 |
| 39 | 19:37 | 1.00 | 0.815 | 1.00 | 104.11 | 100.00 | 1.150 | 1.105 | 1.04 |
| 40 | 19:28 | 1.00 | 0.809 | 1.00 | 113.60 | 100.00 | 1.275 | 1.122 | 1.14 |
| 41 | 19:37 | 1.00 | 0.815 | 1.00 | 175.98 | 100.00 | 0.019 | 0.011 | 1.76 |
| 42 | 20:01 | 1.00 | 0.832 | 1.00 | 111.87 | 100.00 | 0.981 | 0.877 | 1.12 |
| 43 | 20:24 | 1.00 | 0.847 | 1.00 | 100.00 | 100.00 | 0.040 | 0.040 | 1.00 |
| 44 | 20:28 | 1.00 | 0.851 | 1.00 | 109.77 | 100.00 | 0.543 | 0.495 | 1.10 |
| 45 | 20:49 | 1.00 | 0.865 | 1.00 | 96.23 | 100.00 | 0.238 | 0.247 | 0.96 |
| 46 | 21:27 | 1.00 | 0.891 | 1.00 | 107.12 | 100.00 | 0.928 | 0.867 | 1.07 |
| 47 | 21:35 | 1.00 | 0.897 | 1.00 | 107.76 | 100.00 | 0.579 | 0.537 | 1.08 |
| 48 | 21:38 | 1.00 | 0.899 | 1.00 | 108.43 | 100.00 | 1.269 | 1.170 | 1.08 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 49 | 21:56 | 1.00 | 0.911 | 1.00 | 88.25 | 100.00 | 0.085 | 0.097 | 0.88 |
| 50 | 22:00 | 1.00 | 0.914 | 1.00 | 116.64 | 100.00 | 0.233 | 0.200 | 1.17 |
| 51 | 22:00 | 1.00 | 0.914 | 1.00 | 108.77 | 100.00 | 0.277 | 0.255 | 1.09 |
| 52 | 22:56 | 1.00 | 0.953 | 1.00 | 106.31 | 100.00 | 0.287 | 0.270 | 1.06 |
| 53 | 23:14 | 1.00 | 0.965 | 1.00 | 106.68 | 100.00 | 0.401 | 0.376 | 1.07 |
| 54 | 23:52 | 1.00 | 0.991 | 1.00 | 99.11 | 100.00 | 0.144 | 0.145 | 0.99 |
| 55 | 24:10 | 1.00 | 1.004 | 1.00 | 103.76 | 100.00 | 1.405 | 1.355 | 1.04 |
| 56 | 24:17 | 1.00 | 1.009 | 1.00 | 107.27 | 100.00 | 1.136 | 1.059 | 1.07 |
| 57 | 26:21 | 1.00 | 1.095 | 1.00 | 110.74 | 100.00 | 1.594 | 1.439 | 1.11 |
| 58 | 27:39 | 1.00 | 1.149 | 1.00 | 101.37 | 100.00 | 1.310 | 1.292 | 1.01 |
| 59 | 18:04 | 1.00 | 0.751 | 1.00 | 103.53 | 100.00 | 0.281 | 0.271 | 1.04 |
| 60 | 18:56 | 1.00 | 0.787 | 1.00 | 104.04 | 100.00 | 0.158 | 0.152 | 1.04 |
| 61 | 20:01 | 1.00 | 0.832 | 1.00 | 109.70 | 100.00 | 0.006 | 0.005 | 1.10 |
| 62 | 20:28 | 1.00 | 0.851 | 1.00 | 110.31 | 100.00 | 1.363 | 1.235 | 1.10 |
| 63 | 22:00 | 1.00 | 0.914 | 1.00 | 100.00 | 100.00 | 0.006 | 0.006 | 1.00 |
| 64 | 22:13 | 1.00 | 0.923 | 1.00 | 50.61 | 50.00 | ~~0.128~~ | 0.127 | 1.01 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 1.00 | 0.887 | 1.00 | 98.92 | 100.00 | 2.081 | 2.103 | 0.99 |
| 67 | 30:41 | 1.00 | 0.963 | 1.00 | 92.66 | 100.00 | 1.059 | 1.142 | 0.93 |
| 68 | 31:49 | 1.00 | 0.999 | 1.00 | 105.93 | 100.00 | 1.030 | 0.973 | 1.06 |
| 69 | 32:02 | 1.00 | 1.005 | 1.00 | 100.00 | 100.00 | 0.072 | 0.072 | 1.00 |
| 70 | 31:57 | 1.00 | 1.003 | 1.00 | 112.70 | 100.00 | 1.199 | 1.064 | 1.13 |
| 71 | 32:33 | 1.00 | 1.022 | 1.00 | 99.38 | 100.00 | 1.236 | 1.244 | 0.99 |
| 72 | 28:56 | 1.00 | 0.908 | 1.00 | 44.35 | 50.00 | ~~1.086~~ | 1.224 | 0.89 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 1.00 | 1.076 | 1.00 | 107.38 | 100.00 | 1.546 | 1.440 | 1.07 |
| 75 | 34:50 | 1.00 | 1.093 | 1.00 | 116.66 | 100.00 | 0.208 | 0.179 | 1.17 |
| 76 | 34:55 | 1.00 | 1.096 | 1.00 | 71.18 | 100.00 | 0.221 | 0.310 | 0.71 |
| 77 | 35:38 | 1.00 | 1.119 | 1.00 | 146.12 | 100.00 | 0.646 | 0.442 | 1.46 |
| 78 | 39:06 | 1.00 | 1.227 | 1.00 | 171.66 | 100.00 | 0.387 | 0.226 | 1.72 |
| 79 | 39:13 | 1.00 | 1.231 | 1.00 | 178.68 | 100.00 | 0.396 | 0.221 | 1.79 |
| 80 | 40:03 | 1.00 | 1.257 | 1.00 | 206.81 | 100.00 | 0.433 | 0.209 | 2.07 |

RIC
03/05/84 16:02:00
SAMPLE: ABNHSL STD. @ 150 UG/ML
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD108 #1
CALI: STD108 #1

SCANS 200 TO 3000



QUANTITATION REPORT  FILE: STD108

DATA: STD108.TL
03/05/84 16:02:00
SAMPLE: ABNHSL STD. @ 150 UG/ML
SUBMITTED BY:  ANALYST:

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE  3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 690 | 10:55 | 1 | 1.000 | A BB | 35900. | 20.000 | UG/ML | 0.19 |
| 2 | 136 | 931 | 14:44 | 2 | 1.000 | A VV | 106789. | 20.000 | UG/ML | 0.19 |
| 3 | 188 | 1523 | 24:07 | 3 | 1.000 | A VV | 74287. | 20.000 | UG/ML | 0.19 |
| 4 | 240 | 2014 | 31:53 | 4 | 1.000 | A BB | 45041. | 20.000 | UG/ML | 0.19 |
| 5 | 74 | 252 | 3:59 | 1 | 0.365 | A BB | 167746. | 151.747 | UG/ML | 1.47 |
| 6 | 128 | 665 | 10:32 | 1 | 0.964 | A BB | 325294. | 142.630 | UG/ML | 1.38 |
| 7 | 94 | 671 | 10:37 | 1 | 0.972 | A BB | 393104. | 145.317 | UG/ML | 1.41 |
| 8 | 93 | 670 | 10:36 | 1 | 0.971 | A*VV | 373700. | 140.894 | UG/ML | 1.36 |
| 9 | 146 | 682 | 10:48 | 1 | 0.988 | A BV | 387552. | 144.614 | UG/ML | 1.40 |
| 10 | 146 | 694 | 10:59 | 1 | 1.006 | A VB | 363655. | 137.205 | UG/ML | 1.33 |
| 11 | 146 | 726 | 11:30 | 1 | 1.052 | A BV | 382097. | 145.111 | UG/ML | 1.41 |
| 12 | 93 | 647 | 10:15 | 1 | 0.938 | A BV | 218245. | 165.157 | UG/ML | 1.60 |
| 13 | 79 | 742 | 11:45 | 1 | 1.075 | A BB | 219853. | 152.157 | UG/ML | 1.47 |
| 14 | 112 | 488 | 7:44 | 1 | ~~0.707~~ | A BB | 125627. | 73.523 | UG/ML | 0.71 |
| 15 | 99 | 668 | 10:35 | 1 | ~~0.968~~ | A BB | 191201. | 73.409 | UG/ML | 0.71 |
| 16 | 121 | 764 | 12:06 | 2 | 0.821 | A BB | 102487. | 149.171 | UG/ML | 1.44 |
| 17 | 201 | 779 | 12:20 | 2 | 0.837 | A BB | 132494. | 140.809 | UG/ML | 1.36 |
| 18 | 70 | 799 | 12:39 | 2 | 0.858 | A VV | 216444. | 148.058 | UG/ML | 1.43 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 77 | 810 | 12:49 | 2 | 0.870 | A BV | 419601. | 164.327 | UG/ML | 1.59 |
| 20 | 82 | 861 | 13:38 | 2 | 0.925 | A*BB | 530900. | 144.674 | UG/ML | 1.40 |
| 21 | 139 | 869 | 13:46 | 2 | 0.933 | A BV | 197257. | 156.674 | UG/ML | 1.52 |
| 22 | 122 | 901 | 14:16 | 2 | 0.968 | A BB | 246620. | 147.209 | UG/ML | 1.43 |
| 23 | 93 | 913 | 14:27 | 2 | 0.981 | A VB | 421979. | 151.474 | UG/ML | 1.47 |
| 24 | 162 | 921 | 14:35 | 2 | 0.989 | A BB | 222328. | 146.038 | UG/ML | 1.41 |
| 25 | 180 | 924 | 14:38 | 2 | 0.992 | A BB | 332576. | 150.241 | UG/ML | 1.46 |
| 26 | 128 | 935 | 14:48 | 2 | 1.004 | A VB | 809703. | 146.757 | UG/ML | 1.42 |
| 27 | 225 | 973 | 15:24 | 2 | 1.045 | A BB | 188700. | 151.331 | UG/ML | 1.47 |
| 28 | 142 | 1070 | 16:56 | 2 | 1.149 | A BV | 688610. | 149.265 | UG/ML | 1.45 |
| 29 | 237 | 1112 | 17:36 | 2 | 1.194 | A BB | 66067. | 152.739 | UG/ML | 1.48 |
| 30 | 196 | 1137 | 18:00 | 2 | 1.221 | A BV | 165132. | 151.861 | UG/ML | 1.47 |
| 31 | 108 | 772 | 12:13 | 2 | 0.829 | A BB | 248392. | 151.114 | UG/ML | 1.46 |
| 32 | 107 | 805 | 12:45 | 2 | 0.865 | A BV | 354037. | 152.744 | UG/ML | 1.48 |
| 33 | 122 | 961 | 15:13 | 2 | 1.032 | A BV | 13798. | 85.926 | UG/ML | 0.83 |
| 34 | 127 | 993 | 15:43 | 2 | 1.067 | A BV | 6236. | 151.092 | UG/ML | 1.46 |
| 35 | 142 | 1070 | 16:56 | 2 | 1.149 | A BV | 688610. | 147.138 | UG/ML | 1.43 |
| 36 | 82 | 807 | 12:47 | 2 | ~~0.867~~ | A BB | 151639. | 75.447 | UG/ML | 0.73 |
| 37 | 172 | 1150 | 18:12 | 2 | ~~1.235~~ | A BB | 296076. | 75.341 | UG/ML | 0.73 |
| 38 | 162 | 1137 | 18:00 | 3 | 0.747 | A BV | 23613. | 149.414 | UG/ML | 1.45 |
| 39 | 163 | 1242 | 19:40 | 3 | 0.815 | A BB | 598035. | 147.472 | UG/ML | 1.43 |
| 40 | 152 | 1232 | 19:30 | 3 | 0.809 | A BB | 579935. | 141.633 | UG/ML | 1.37 |
| 41 | 165 | 1241 | 19:39 | 3 | 0.815 | A BV | 9582. | 103.240 | UG/ML | 1.00 |
| 42 | 153 | 1267 | 20:04 | 3 | 0.832 | A BV | 456602. | 142.695 | UG/ML | 1.38 |
| 43 | 184 | 1291 | 20:26 | 3 | 0.848 | A BV | 31393. | 150.000 | UG/ML | 1.45 |
| 44 | 139 | 1296 | 20:31 | 3 | 0.851 | A BV | 262337. | 143.989 | UG/ML | 1.39 |
| 45 | 165 | 1320 | 20:54 | 3 | 0.867 | A BB | 145357. | 152.320 | UG/ML | 1.48 |
| 46 | 166 | 1358 | 21:30 | 3 | 0.892 | A BB | 464201. | 145.620 | UG/ML | 1.41 |
| 47 | 204 | 1366 | 21:38 | 3 | 0.897 | A BB | 287085. | 145.226 | UG/ML | 1.41 |
| 48 | 149 | 1371 | 21:42 | 3 | 0.900 | A VB | 620242. | 144.809 | UG/ML | 1.40 |
| 49 | 198 | 1390 | 22:00 | 3 | 0.913 | A BB | 62456. | 157.230 | UG/ML | 1.52 |
| 50 | 169 | 1393 | 22:03 | 3 | 0.915 | A VV | 101300. | 139.761 | UG/ML | 1.35 |
| 51 | 182 | 1394 | 22:04 | 3 | 0.915 | A BB | 136037. | 144.601 | UG/ML | 1.40 |
| 52 | 248 | 1451 | 22:58 | 3 | 0.953 | A BB | 146158. | 146.119 | UG/ML | 1.42 |
| 53 | 284 | 1470 | 23:16 | 3 | 0.965 | A BB | 200467. | 145.887 | UG/ML | 1.41 |
| 54 | 266 | 1510 | 23:54 | 3 | 0.991 | A BB | 84558. | 150.551 | UG/ML | 1.46 |
| 55 | 178 | 1529 | 24:13 | 3 | 1.004 | A VV | 738752. | 147.689 | UG/ML | 1.43 |
| 56 | 178 | 1537 | 24:20 | 3 | 1.009 | A VB | 563925. | 145.523 | UG/ML | 1.41 |
| 57 | 149 | 1666 | 26:23 | 3 | 1.094 | A BB | 755679. | 143.390 | UG/ML | 1.39 |
| 58 | 202 | 1749 | 27:42 | 3 | 1.148 | A BB | 719913. | 149.155 | UG/ML | 1.44 |
| 59 | 196 | 1144 | 18:07 | 3 | 0.751 | A VB | 151409. | 147.825 | UG/ML | 1.43 |
| 60 | 138 | 1201 | 19:01 | 3 | 0.789 | A*BB | 87022. | 147.514 | UG/ML | 1.43 |
| 61 | 65 | 1267 | 20:04 | 3 | 0.832 | A BB | 2717. | 144.032 | UG/ML | 1.40 |
| 62 | 168 | 1296 | 20:31 | 3 | 0.851 | A BB | 652018. | 143.657 | UG/ML | 1.39 |
| 63 | 138 | 1374 | 21:45 | 3 | 0.902 | A VV | 1693. | 150.000 | UG/ML | 1.45 |
| 64 | 330 | 1405 | 22:15 | 3 | ~~0.923~~ | A BB | 36760. | 74.694 | UG/ML | 0.72 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1788 | 28:19 | 4 | 0.888 | A BB | 707956. | 150.666 | UG/ML | 1.46 |
| 67 | 149 | 1941 | 30:44 | 4 | 0.964 | A BB | 410511. | 154.516 | UG/ML | 1.50 |
| 68 | 228 | 2012 | 31:51 | 4 | 0.999 | A BV | 320772. | 146.350 | UG/ML | 1.42 |
| 69 | 252 | 2025 | 32:04 | 4 | 1.005 | A BB | 17629. | 150.000 | UG/ML | 1.45 |
| 70 | 228 | 2021 | 32:00 | 4 | 1.003 | A VB | 334748. | 142.185 | UG/ML | 1.38 |
| 71 | 149 | 2058 | 32:35 | 4 | 1.022 | A VB | 427258. | 150.382 | UG/ML | 1.46 |
| 72 | 244 | 1829 | 28:58 | 4 | ~~0.908~~ | A BB | 221899. | 77.824 | UG/ML | 0.75 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | 149 | 2167 | 34:19 | 4 | 1.076 | A VB | 472972. | 145.459 | UG/ML | 1.41 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 252 | 2200 | 34:50 | 4 | 1.092 | A BB | 51008. | 139.748 | UG/ML | 1.35 |
| 76 | 252 | 2207 | 34:57 | 4 | 1.096 | A BB | 77728. | 167.735 | UG/ML | 1.62 |
| 77 | 252 | 2252 | 35:39 | 4 | 1.118 | A BB | 125019. | 121.616 | UG/ML | 1.18 |
| 78 | 276 | 2470 | 39:06 | 4 | 1.226 | A BV | 59695. | 105.901 | UG/ML | 1.03 |
| 79 | 278 | 2477 | 39:13 | 4 | 1.230 | A BB | 57608. | 101.581 | UG/ML | 0.98 |
| 80 | 276 | 2529 | 40:03 | 4 | 1.256 | A BB | 53846. | 84.271 | UG/ML | 0.82 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 1.02 | 0.358 | 1.02 | 151.75 | 150.00 | 0.623 | 0.616 | 1.01 |
| 6 | 10:30 | 1.00 | 0.965 | 1.00 | 142.63 | 150.00 | 1.208 | 1.271 | 0.95 |
| 7 | 10:35 | 1.00 | 0.972 | 1.00 | 145.32 | 150.00 | 1.460 | 1.507 | 0.97 |
| 8 | 10:33 | 1.01 | 0.969 | 1.00 | 140.89 | 150.00 | 1.388 | 1.478 | 0.94 |
| 9 | 10:46 | 1.00 | 0.990 | 1.00 | 144.61 | 150.00 | 1.439 | 1.493 | 0.96 |
| 10 | 10:57 | 1.00 | 1.007 | 1.00 | 137.20 | 150.00 | 1.351 | 1.477 | 0.91 |
| 11 | 11:28 | 1.00 | 1.054 | 1.00 | 145.11 | 150.00 | 1.419 | 1.467 | 0.97 |
| 12 | 10:15 | 1.00 | 0.942 | 1.00 | 165.16 | 150.00 | 0.811 | 0.736 | 1.10 |
| 13 | 11:41 | 1.01 | 1.074 | 1.00 | 152.16 | 150.00 | 0.817 | 0.805 | 1.01 |
| 14 | 7:44 | 1.00 | 0.710 | 1.00 | 73.52 | 75.00 | ~~0.933~~ | 0.952 | 0.98 |
| 15 | 10:31 | 1.01 | 0.967 | 1.00 | 73.41 | 75.00 | ~~1.420~~ | 1.451 | 0.98 |
| 16 | 12:04 | 1.00 | 0.821 | 1.00 | 149.17 | 150.00 | 0.128 | 0.129 | 0.99 |
| 17 | 12:18 | 1.00 | 0.837 | 1.00 | 140.81 | 150.00 | 0.165 | 0.176 | 0.94 |
| 18 | 12:35 | 1.01 | 0.857 | 1.00 | 148.06 | 150.00 | 0.270 | 0.274 | 0.99 |
| 19 | 12:47 | 1.00 | 0.870 | 1.00 | 164.33 | 150.00 | 0.524 | 0.478 | 1.10 |
| 20 | 13:33 | 1.01 | 0.922 | 1.00 | 144.67 | 150.00 | 0.663 | 0.687 | 0.96 |
| 21 | 13:42 | 1.00 | 0.932 | 1.00 | 156.67 | 150.00 | 0.246 | 0.236 | 1.04 |
| 22 | 14:10 | 1.01 | 0.964 | 1.00 | 147.21 | 150.00 | 0.308 | 0.314 | 0.98 |
| 23 | 14:24 | 1.00 | 0.980 | 1.00 | 151.47 | 150.00 | 0.527 | 0.522 | 1.01 |
| 24 | 14:31 | 1.00 | 0.988 | 1.00 | 146.04 | 150.00 | 0.278 | 0.285 | 0.97 |
| 25 | 14:37 | 1.00 | 0.995 | 1.00 | 150.24 | 150.00 | 0.415 | 0.415 | 1.00 |
| 26 | 14:45 | 1.00 | 1.004 | 1.00 | 146.76 | 150.00 | 1.011 | 1.033 | 0.98 |
| 27 | 15:23 | 1.00 | 1.047 | 1.00 | 151.33 | 150.00 | 0.236 | 0.234 | 1.01 |
| 28 | 16:54 | 1.00 | 1.150 | 1.00 | 149.27 | 150.00 | 0.860 | 0.864 | 1.00 |
| 29 | 17:35 | 1.00 | 1.197 | 1.00 | 152.74 | 150.00 | 0.082 | 0.081 | 1.02 |
| 30 | 17:58 | 1.00 | 1.223 | 1.00 | 151.86 | 150.00 | 0.206 | 0.204 | 1.01 |
| 31 | 12:11 | 1.00 | 0.830 | 1.00 | 151.11 | 150.00 | 0.310 | 0.308 | 1.01 |
| 32 | 12:40 | 1.01 | 0.862 | 1.00 | 152.74 | 150.00 | 0.442 | 0.434 | 1.02 |
| 33 | 15:08 | 1.01 | 1.030 | 1.00 | 85.93 | 150.00 | 0.017 | 0.030 | 0.57 |
| 34 | 15:40 | 1.00 | 1.066 | 1.00 | 151.09 | 150.00 | 0.008 | 0.008 | 1.01 |
| 35 | 16:54 | 1.00 | 1.150 | 1.00 | 147.14 | 150.00 | 0.860 | 0.876 | 0.98 |
| 36 | 12:41 | 1.01 | 0.863 | 1.00 | 75.45 | 75.00 | ~~0.379~~ | 0.376 | 1.01 |
| 37 | 18:10 | 1.00 | 1.236 | 1.00 | 75.34 | 75.00 | ~~0.739~~ | 0.736 | 1.00 |
| 38 | 17:58 | 1.00 | 0.747 | 1.00 | 149.41 | 150.00 | 0.042 | 0.043 | 1.00 |
| 39 | 19:37 | 1.00 | 0.815 | 1.00 | 147.47 | 150.00 | 1.073 | 1.092 | 0.98 |
| 40 | 19:28 | 1.00 | 0.809 | 1.00 | 141.63 | 150.00 | 1.041 | 1.102 | 0.94 |
| 41 | 19:37 | 1.00 | 0.815 | 1.00 | 103.24 | 150.00 | 0.017 | 0.025 | 0.69 |
| 42 | 20:01 | 1.00 | 0.832 | 1.00 | 142.70 | 150.00 | 0.820 | 0.861 | 0.95 |
| 43 | 20:24 | 1.00 | 0.847 | 1.00 | 150.00 | 150.00 | 0.056 | 0.056 | 1.00 |
| 44 | 20:28 | 1.00 | 0.851 | 1.00 | 143.99 | 150.00 | 0.471 | 0.491 | 0.96 |
| 45 | 20:49 | 1.00 | 0.865 | 1.00 | 152.32 | 150.00 | 0.261 | 0.257 | 1.02 |
| 46 | 21:27 | 1.00 | 0.891 | 1.00 | 145.62 | 150.00 | 0.833 | 0.858 | 0.97 |
| 47 | 21:35 | 1.00 | 0.897 | 1.00 | 145.23 | 150.00 | 0.515 | 0.532 | 0.97 |
| 48 | 21:38 | 1.00 | 0.899 | 1.00 | 144.81 | 150.00 | 1.113 | 1.153 | 0.97 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 49 | 21:56 | 1.00 | 0.911 | 1.00 | 157.23 | 150.00 | 0.112 | 0.107 | 1.05 |
| 50 | 22:00 | 1.00 | 0.914 | 1.00 | 139.76 | 150.00 | 0.182 | 0.195 | 0.93 |
| 51 | 22:00 | 1.00 | 0.914 | 1.00 | 144.60 | 150.00 | 0.244 | 0.253 | 0.96 |
| 52 | 22:56 | 1.00 | 0.953 | 1.00 | 146.12 | 150.00 | 0.262 | 0.269 | 0.97 |
| 53 | 23:14 | 1.00 | 0.965 | 1.00 | 145.89 | 150.00 | 0.360 | 0.370 | 0.97 |
| 54 | 23:52 | 1.00 | 0.991 | 1.00 | 150.55 | 150.00 | 0.152 | 0.151 | 1.00 |
| 55 | 24:10 | 1.00 | 1.004 | 1.00 | 147.69 | 150.00 | 1.326 | 1.347 | 0.98 |
| 56 | 24:17 | 1.00 | 1.009 | 1.00 | 145.52 | 150.00 | 1.012 | 1.043 | 0.97 |
| 57 | 26:21 | 1.00 | 1.095 | 1.00 | 143.39 | 150.00 | 1.356 | 1.419 | 0.96 |
| 58 | 27:39 | 1.00 | 1.149 | 1.00 | 149.15 | 150.00 | 1.292 | 1.299 | 0.99 |
| 59 | 18:04 | 1.00 | 0.751 | 1.00 | 147.82 | 150.00 | 0.272 | 0.276 | 0.99 |
| 60 | 18:56 | 1.00 | 0.787 | 1.00 | 147.51 | 150.00 | 0.156 | 0.159 | 0.98 |
| 61 | 20:01 | 1.00 | 0.832 | 1.00 | 144.03 | 150.00 | 0.005 | 0.005 | 0.96 |
| 62 | 20:28 | 1.00 | 0.851 | 1.00 | 143.66 | 150.00 | 1.170 | 1.222 | 0.96 |
| 63 | 22:00 | 0.99 | 0.914 | 0.99 | 150.00 | 150.00 | 0.003 | 0.003 | 1.00 |
| 64 | 22:13 | 1.00 | 0.923 | 1.00 | 74.69 | 75.00 | ~~0.192~~ | 0.132 | 1.00 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 1.00 | 0.887 | 1.00 | 150.67 | 150.00 | 2.096 | 2.086 | 1.00 |
| 67 | 30:41 | 1.00 | 0.963 | 1.00 | 154.52 | 150.00 | 1.215 | 1.180 | 1.03 |
| 68 | 31:49 | 1.00 | 0.999 | 1.00 | 146.35 | 150.00 | 0.950 | 0.973 | 0.98 |
| 69 | 32:02 | 1.00 | 1.005 | 1.00 | 150.00 | 150.00 | 0.052 | 0.052 | 1.00 |
| 70 | 31:57 | 1.00 | 1.003 | 1.00 | 142.18 | 150.00 | 0.991 | 1.045 | 0.95 |
| 71 | 32:33 | 1.00 | 1.022 | 1.00 | 150.38 | 150.00 | 1.265 | 1.262 | 1.00 |
| 72 | 28:56 | 1.00 | 0.908 | 1.00 | 77.82 | 75.00 | ~~1.314~~ | 1.266 | 1.04 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 1.00 | 1.076 | 1.00 | 145.46 | 150.00 | 1.400 | 1.444 | 0.97 |
| 75 | 34:50 | 1.00 | 1.093 | 1.00 | 139.75 | 150.00 | 0.151 | 0.162 | 0.93 |
| 76 | 34:55 | 1.00 | 1.096 | 1.00 | 167.73 | 150.00 | 0.230 | 0.206 | 1.12 |
| 77 | 35:38 | 1.00 | 1.119 | 1.00 | 121.62 | 150.00 | 0.370 | 0.456 | 0.81 |
| 78 | 39:06 | 1.00 | 1.227 | 1.00 | 105.90 | 150.00 | 0.177 | 0.250 | 0.71 |
| 79 | 39:13 | 1.00 | 1.231 | 1.00 | 101.58 | 150.00 | 0.171 | 0.252 | 0.68 |
| 80 | 40:03 | 1.00 | 1.257 | 1.00 | 84.27 | 150.00 | 0.159 | 0.284 | 0.56 |

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

CASE NO. 2459 CONTRACT LAB USTCO CONTRACT NO. 68-01-6726
INSTRUMENT IDENTIFIER ABN CALIBRATION DATE 3/6/84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-150 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| N-NITROSODIMETHYLAMINE | .346 | .351 | .701 | .208 | .420 | |
| BIS(2-CHLOROETHYL)ETHER | .966 | 1.464 | 1.565 | .475 | 1.168 | |
| 2-CHLOROPHENOL | .962 | 1.157 | 1.360 | .446 | .988 | |
| PHENOL | .971 | 1.022 | 1.321 | .485 | .943 | |
| 1,3-DICHLOROBENZENE | .986 | 1.479 | 1.607 | .526 | 1.204 | |
| 1,4-DICHLOROBENZENE | 1.003 | 1.532 | 1.651 | .558 | 1.247 | |
| 1,2-DICHLOROBENZENE | 1.052 | 1.581 | 1.663 | .503 | 1.249 | |
| BIS(2-CHLOROISOPROPYL) ETHER | .820 | .117 | .120 | .121 | .119 | |
| HEXACHLOROETHANE | .835 | .158 | .169 | .146 | .158 | |
| N-NITROSO-DI-N-PROPYLAMINE | .855 | .231 | .274 | .221 | .242 | |
| NITROBENZENE | .869 | .384 | .328 | .437 | .383 | |
| ISOPHORONE | .923 | .656 | .704 | .527 | .629 | |
| 2-NITROPHENOL | .933 | .152 | .228 | .228 | .203 | |
| 2,4-DIMETHYLPHENOL | .967 | .175 | .242 | .249 | .222 | |
| BIS(2-CHLOROETHOXY)METHANE | .981 | .452 | .496 | .375 | .441 | |
| 2,4-DICHLOROPHENOL | .993 | .166 | .276 | .258 | .233 | |
| 1,2,4-TRICHLOROBENZENE | .996 | .366 | .365 | .324 | .352 | |
| NAPHTHALENE | 1.005 | 1.205 | 1.065 | .767 | 1.012 | |
| HEXABUTADIENE | 1.049 | .234 | .228 | .194 | .219 | |
| 4-CHLORO-M-CRESOL | 1.156 | .149 | .755 | .645 | .516 | |
| HEXACHLOROPENTADIENE | 1.202 | .016 | .073 | .067 | .052 | |
| 2,4,6-TRICHLOROPHENOL | 1.229 | .158 | .162 | .164 | .161 | |
| 2-CHLORONAPHTHALENE | .745 | .036 | .033 | .042 | .037 | |
| ACENAPHTHYLENE | .807 | 1.185 | 1.030 | 1.009 | 1.075 | |
| DIMETHYL PHTHALATE | .814 | .970 | 1.052 | .982 | 1.001 | |
| 2,6-DINITROTOLUENE | .814 | .009 | .017 | .017 | .014 | |
| ACENAPHTHENE | .830 | .791 | .897 | .874 | .854 | |
| 2,4-DINITROPHENOL | .565 | 0.000 | .040 | .063 | .034 | |
| 2,4-DINITROTOLUENE | .874 | .973 | .236 | .234 | .481 | |
| 4-NITROPHENOL | .850 | .423 | .474 | .506 | .468 | |
| FLUORENE | .891 | .782 | .883 | .865 | .843 | |
| 4-CHLOROPHENYLPHENYLETHER | .896 | .487 | .507 | .525 | .506 | |
| DIETHYL PHTHALATE | .899 | 1.037 | .990 | .969 | .999 | |
| 4,6-DINITRO-O-CRESOL | .608 | 0.000 | .091 | .117 | .069 | |
| DIPHENYLAMINE | .914 | .430 | .221 | .184 | .278 | |
| AZOBENZENE | .915 | .229 | .252 | .260 | .247 | |
| 4-BROMOPHENYLPHENYLETHER | .953 | .247 | .250 | .268 | .255 | |
| HEXACHLOROBENZENE | .965 | .374 | .351 | .353 | .359 | |
| PENTACHLOROPHENOL | .993 | .049 | .138 | .139 | .109 | |
| PHENANTHRENE | 1.004 | 1.238 | 1.279 | 1.210 | 1.242 | |
| ANTHRACENE | 1.009 | .992 | 1.014 | .941 | .982 | |
| DIBUTYL PHTHALATE | 1.096 | 1.353 | 1.373 | 1.202 | 1.309 | |
| FLUORANTHENE | 1.149 | 1.102 | 1.242 | 1.246 | 1.197 | |

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

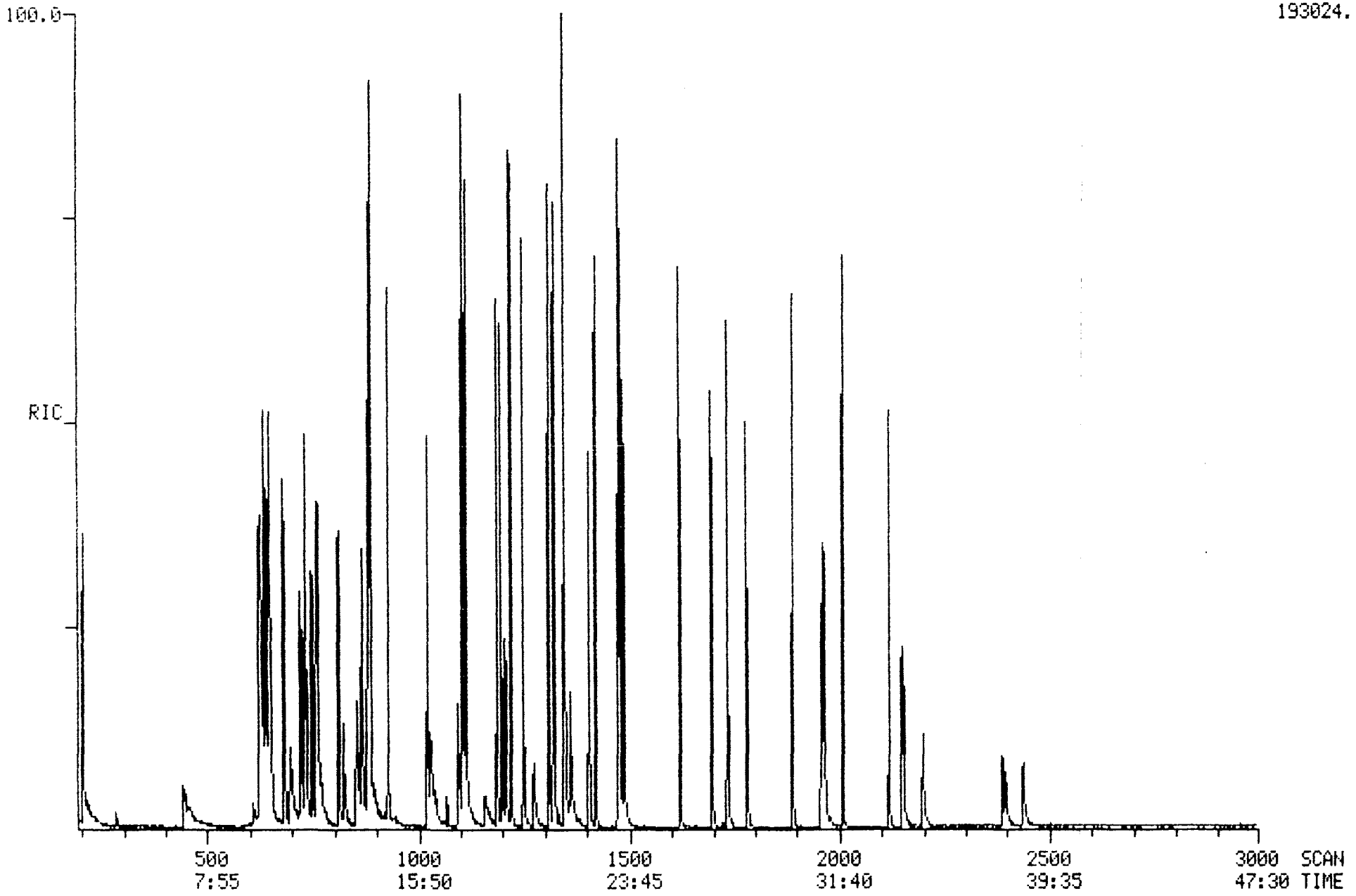
CASE NO. 2459 CONTRACT LAB USTCO CONTRACT NO. 68-01-6726
INSTRUMENT IDENTIFIER ABN CALIBRATION DATE 3/6/84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-150 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| PYRENE | .886 | 1.999 | 1.955 | 1.802 | 1.919 | |
| BENZIDINE | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| BUTYL BENZYL PHTHALATE | .963 | .950 | 1.047 | 1.071 | 1.023 | |
| BENZO(A)ANTHRACENE | .999 | .827 | .993 | .929 | .916 | |
| CHRYSENE | 1.003 | 1.069 | 1.119 | 1.058 | 1.082 | |
| 3,3'-DICHLOROBENZIDINE | 1.006 | .018 | .060 | .044 | .041 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 1.022 | 1.071 | 1.148 | .948 | 1.056 | |
| DI-N-OCTYL-PHTHALATE | 1.077 | 1.480 | 1.421 | 1.215 | 1.372 | |
| BENZO(B)FLUORANTHENE | 1.095 | 1.403 | 1.434 | 1.065 | 1.301 | |
| BENZO(K)FLUORANTHENE | 1.095 | 1.403 | 1.433 | 1.065 | 1.300 | |
| BENZO(A)PYRENE | 1.119 | .566 | .570 | .374 | .503 | |
| INDENO(1,2,3-CD)PYRENE | 1.223 | .110 | .319 | .169 | .199 | |
| DIBENZO(AH)ANTHRACE | 1.228 | .333 | .317 | .162 | .271 | |
| BENZO(GHI)PERYLENE | 1.252 | .490 | .330 | .158 | .326 | |
| | | | | | | |
| ANILINE | .939 | .234 | .264 | .254 | .251 | |
| BENZOIC ACID | 1.037 | .013 | .072 | .013 | .033 | |
| BENZYL ALCOHOL | 1.076 | .493 | .700 | .277 | .490 | |
| 4-CHLOROANILINE | 1.067 | .030 | .014 | .009 | .018 | |
| DIBENZOFURAN | .850 | 1.137 | 1.122 | 1.165 | 1.141 | |
| 2-METHYLNAPHTHALENE | 1.156 | .149 | .755 | .637 | .514 | |
| 2-METHYLPHENOL | .830 | .249 | .290 | .265 | .268 | |
| 4-METHYLPHENOL | .864 | .293 | .393 | .366 | .351 | |
| 2-NITROANILINE | .786 | .115 | .122 | .145 | .127 | |
| 3-NITROANILINE | .831 | .012 | .005 | .005 | .007 | |
| 4-NITROANILINE | .805 | 0.000 | .008 | .002 | .003 | |
| 2,4,5-TRICHLOROPHENOL | .748 | .210 | .255 | .285 | .250 | |

RIC
03/06/84 11:00:00
SAMPLE: 20UG/ML ABN STD
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD110 #1
CALI: STD110 #1

SCANS 190 TO 3000



QUANTITATION REPORT  FILE: STD110

DATA: STD110.TI
03/06/84 11:00:00
SAMPLE: 20UG/ML ABN STD
SUBMITTED BY:  ANALYST: SCP

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM LINEAR FIT TO WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 645 | 10:13 | 1 | 1.000 | A BB | 49567. | 20.000 UG/ML | 1.19 |
| 2 | 136 | 882 | 13:58 | 2 | 1.000 | A BV | 163931. | 20.000 UG/ML | 1.19 |
| 3 | 188 | 1475 | 23:21 | 3 | 1.000 | A BV | 123224. | 20.000 UG/ML | 1.19 |
| 4 | 240 | 1962 | 31:04 | 4 | 1.000 | A BB | 68820. | 20.000 UG/ML | 1.19 |
| 5 | 74 | 203 | 3:13 | 1 | 0.315 | A BB | 17381. | 16.406 UG/ML | 0.98 |
| 6 | 128 | 622 | 9:51 | 1 | 0.964 | A BV | 57371. | 19.860 UG/ML | 1.18 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 7 | 94 | 627 | 9:56 | 1 | 0.972 | A BB | 50667. | 17.097 UG/ML | 1.02 |
| 8 | 93 | 622 | 9:51 | 1 | 0.964 | A VV | 72578. | 18.881 UG/ML | 1.13 |
| 9 | 146 | 636 | 10:04 | 1 | 0.986 | A BV | 73306. | 20.274 UG/ML | 1.21 |
| 10 | 146 | 647 | 10:15 | 1 | 1.003 | A VB | 75919. | 19.019 UG/ML | 1.13 |
| 11 | 146 | 680 | 10:46 | 1 | 1.054 | A BB | 78342. | 23.157 UG/ML | 1.38 |
| 12 | 93 | 607 | 9:37 | 1 | 0.941 | A BV | 11588. | 25.006 UG/ML | 1.49 |
| 13 | 79 | 696 | 11:01 | 1 | 1.079 | A BB | 24458. | 20.860 UG/ML | 1.24 |
| 14 | 112 | 444 | 7:02 | 1 | ~~0.688~~ | A BV | 22739. | 19.134 UG/ML | 1.14 |
| 15 | 99 | 624 | 9:53 | 1 | ~~0.967~~ | A BB | 64832. | 21.414 UG/ML | 1.28 |
| 16 | 121 | 720 | 11:24 | 2 | 0.816 | A BV | 19155. | 15.225 UG/ML | 0.91 |
| 17 | 201 | 732 | 11:35 | 2 | 0.830 | A BB | 25901. | 17.617 UG/ML | 1.05 |
| 18 | 70 | 748 | 11:51 | 2 | 0.848 | A BV | 37833. | 12.608 UG/ML | 0.75 |
| 19 | 77 | 761 | 12:03 | 2 | 0.863 | A BB | 62923 | 17.493 UG/ML | 1.04 |
| 20 | 82 | 810 | 12:49 | 2 | 0.918 | A BB | 107461. | 15.802 UG/ML | 0.94 |
| 21 | 139 | 821 | 13:00 | 2 | 0.931 | A BV | 24844. | 19.027 UG/ML | 1.13 |
| 22 | 122 | 853 | 13:30 | 2 | 0.967 | A BV | 28654. | 13.462 UG/ML | 0.80 |
| 23 | 93 | 865 | 13:42 | 2 | 0.981 | A BB | 74056. | 14.660 UG/ML | 0.87 |
| 24 | 162 | 883 | 13:59 | 2 | 1.001 | A BB | 27210. | 24.980 UG/ML | 1.49 |
| 25 | 180 | 878 | 13:54 | 2 | 0.995 | A BB | 60076 | 17.484 UG/ML | 1.04 |
| 26 | 128 | 886 | 14:02 | 2 | 1.005 | A BV | 197545. | 14.772 UG/ML | 0.88 |
| 27 | 225 | 928 | 14:42 | 2 | 1.052 | A BB | 38425. | 16.562 UG/ML | 0.99 |
| 28 | 142 | 1030 | 16:18 | 2 | 1.168 | A VV | 24500. | 3.621 UG/ML | 0.22 |
| 29 | 237 | 1068 | 16:55 | 2 | 1.211 | A BB | 2604. | 8.390 UG/ML | 0.50 |
| 30 | 196 | 1094 | 17:19 | 2 | 1.240 | A BV | 25875. | 20.182 UG/ML | 1.20 |
| 31 | 108 | 729 | 11:33 | 2 | 0.827 | A BB | 40873. | 15.986 UG/ML | 0.95 |
| 32 | 107 | 761 | 12:03 | 2 | 0.863 | A BB | 47958. | 16.088 UG/ML | 0.96 |
| 33 | 122 | 928 | 14:42 | 2 | 1.052 | A VB | 2167. | 5.141 UG/ML | 0.31 |
| 34 | 127 | 942 | 14:55 | 2 | 1.068 | A*VV | 4889. | 70.148 UG/ML | 4.18 |
| 35 | 142 | 1030 | 16:18 | 2 | 1.168 | A VV | 24500. | 14.593 UG/ML | 0.87 |
| 36 | 82 | 757 | 11:59 | 2 | ~~0.858~~ | A BV | 59156. | 19.284 UG/ML | 1.15 |
| 37 | 172 | 1105 | 17:30 | 2 | ~~1.253~~ | A BV | 161175. | 25.162 UG/ML | 1.50 |
| 38 | 162 | 1094 | 17:19 | 3 | 0.742 | A BB | 4416. | 20.517 UG/ML | 1.22 |
| 39 | 163 | 1197 | 18:57 | 3 | 0.812 | A BB | 119531. | 16.865 UG/ML | 1.01 |
| 40 | 152 | 1186 | 18:47 | 3 | 0.804 | A BB | 146070. | 17.935 UG/ML | 1.07 |
| 41 | 165 | 1197 | 18:57 | 3 | 0.812 | A BB | 1052. | 0.698 UG/ML | 0.04 |
| 42 | 153 | 1220 | 19:19 | 3 | 0.827 | A BB | 97454. | 15.330 UG/ML | 0.91 |
| 43 | NOT | FOUND | | | | | | | |
| 44 | 139 | 1250 | 19:47 | 3 | 0.847 | A BB | 52107. | 16.725 UG/ML | 1.00 |
| 45 | 165 | 1310 | 20:44 | 3 | 0.888 | A BB | 119945. | 77.508 UG/ML | 4.62 |
| 46 | 166 | 1310 | 20:44 | 3 | 0.888 | A BB | 96415. | 17.277 UG/ML | 1.03 |
| 47 | 204 | 1320 | 20:54 | 3 | 0.895 | A BB | 60061. | 17.680 UG/ML | 1.05 |
| 48 | 149 | 1324 | 20:58 | 3 | 0.898 | A BB | 127840. | 15.942 UG/ML | 0.95 |
| 49 | NOT | FOUND | | | | | | | |
| 50 | 169 | 1347 | 21:20 | 3 | 0.913 | A BB | 52979. | 34.710 UG/ML | 2.07 |
| 51 | 182 | 1347 | 21:20 | 3 | 0.913 | A BB | 28269. | 18.453 UG/ML | 1.10 |
| 52 | 248 | 1405 | 22:15 | 3 | 0.953 | A BB | 30429. | 18.858 UG/ML | 1.12 |
| 53 | 284 | 1422 | 22:31 | 3 | 0.964 | A BB | 46048. | 17.899 UG/ML | 1.07 |
| 54 | 266 | 1471 | 23:17 | 3 | 0.997 | A*BV | 6004. | 11.491 UG/ML | 0.69 |
| 55 | 178 | 1479 | 23:25 | 3 | 1.003 | A BV | 152574. | 17.899 UG/ML | 1.07 |
| 56 | 178 | 1487 | 23:33 | 3 | 1.008 | A VB | 122195. | 16.832 UG/ML | 1.00 |
| 57 | 149 | 1621 | 25:40 | 3 | 1.099 | A BV | 166692. | 17.044 UG/ML | 1.02 |
| 58 | 202 | 1697 | 26:52 | 3 | 1.151 | A BB | 135813. | 18.409 UG/ML | 1.10 |
| 59 | 196 | 1094 | 17:19 | 3 | 0.742 | A BV | 25875. | 20.268 UG/ML | 1.21 |
| 60 | 138 | 1156 | 18:18 | 3 | 0.784 | A BB | 14232. | 31.294 UG/ML | 1.87 |
| 61 | 65 | 1221 | 19:20 | 3 | 0.828 | A BB | 1423. | 27.390 UG/ML | 1.63 |
| 62 | 168 | 1250 | 19:47 | 3 | 0.847 | A BB | 140107. | 17.566 UG/ML | 1.05 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 63 | NOT FOUND | | | | | | | | |
| 64 | 330 | 1360 | 21:32 | 3 | 0.922 | A BB | 15934. | 22.142 UG/ML | 1.32 |
| 65 | NOT FOUND | | | | | | | | |
| 66 | 202 | 1736 | 27:29 | 4 | 0.885 | A BB | 137545. | 17.539 UG/ML | 1.05 |
| 67 | 149 | 1891 | 29:56 | 4 | 0.964 | A BB | 65345. | 19.239 UG/ML | 1.15 |
| 68 | 228 | 1958 | 31:00 | 4 | 0.998 | A BV | 56884. | 18.514 UG/ML | 1.10 |
| 69 | 252 | 1980 | 31:21 | 4 | 1.009 | A BB | 1236. | 2.100 UG/ML | 0.13 |
| 70 | 228 | 1966 | 31:08 | 4 | 1.002 | A VB | 73583. | 17.183 UG/ML | 1.02 |
| 71 | 149 | 2010 | 31:49 | 4 | 1.024 | A BB | 73717. | 19.544 UG/ML | 1.17 |
| 72 | 244 | 1781 | 28:12 | 4 | 0.908 | A BB | 106838. | 25.326 UG/ML | 1.51 |
| 73 | NOT FOUND | | | | | | | | |
| 74 | 149 | 2119 | 33:33 | 4 | 1.080 | A BB | 101828. | 23.384 UG/ML | 1.39 |
| 75 | 252 | 2147 | 34:00 | 4 | 1.094 | A*BB | 96588. | 134.677 UG/ML | 8.03 |
| 76 | 252 | 2147 | 34:00 | 4 | 1.094 | A*BB | 96588. | 127.197 UG/ML | 7.59 |
| 77 | 252 | 2199 | 34:49 | 4 | 1.121 | A BB | 38922. | 20.631 UG/ML | 1.23 |
| 78 | 276 | 2388 | 37:49 | 4 | 1.217 | A BB | 7594. | 5.699 UG/ML | 0.34 |
| 79 | 278 | 2397 | 37:57 | 4 | 1.222 | A BB | 22944. | 16.851 UG/ML | 1.01 |
| 80 | 276 | 2439 | 38:37 | 4 | 1.243 | A BB | 33727. | 22.660 UG/ML | 1.35 |

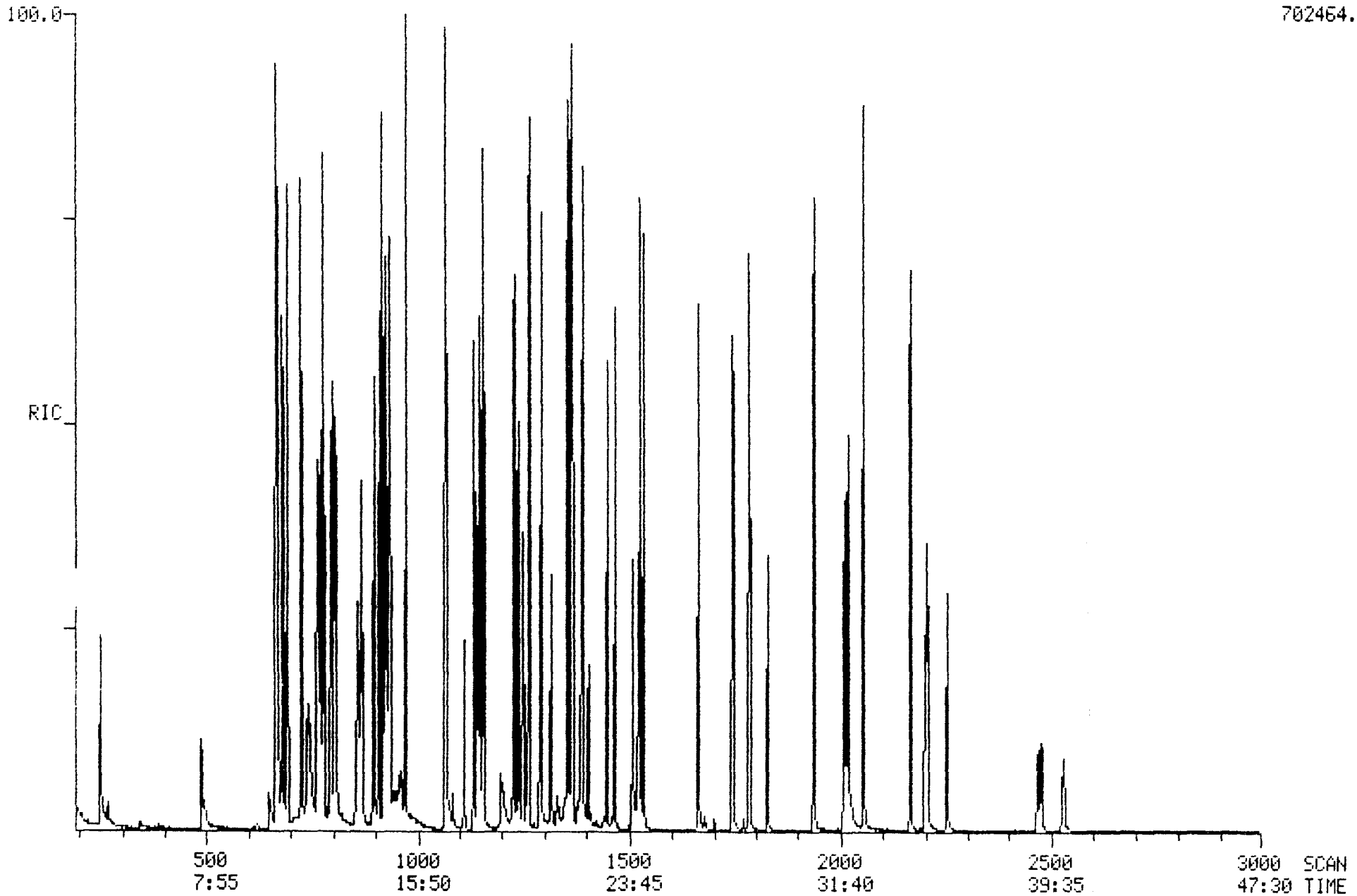
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 0.94 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 0.95 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 0.97 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 0.98 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 0.83 | 0.358 | 0.88 | 16.41 | 20.00 | 0.351 | 0.427 | 0.82 |
| 6 | 10:30 | 0.94 | 0.965 | 1.00 | 19.86 | 20.00 | 1.157 | 1.166 | 0.99 |
| 7 | 10:35 | 0.94 | 0.972 | 1.00 | 17.10 | 20.00 | 1.022 | 1.196 | 0.85 |
| 8 | 10:33 | 0.93 | 0.969 | 0.99 | 18.88 | 20.00 | 1.464 | 1.551 | 0.94 |
| 9 | 10:46 | 0.94 | 0.990 | 1.00 | 20.27 | 20.00 | 1.479 | 1.459 | 1.01 |
| 10 | 10:57 | 0.93 | 1.007 | 1.00 | 19.02 | 20.00 | 1.532 | 1.611 | 0.95 |
| 11 | 11:28 | 0.94 | 1.054 | 1.00 | 23.16 | 20.00 | 1.581 | 1.365 | 1.16 |
| 12 | 10:15 | 0.94 | 0.942 | 1.00 | 25.01 | 20.00 | 0.234 | 0.187 | 1.25 |
| 13 | 11:41 | 0.94 | 1.074 | 1.00 | 20.86 | 20.00 | 0.493 | 0.473 | 1.04 |
| 14 | 7:44 | 0.91 | 0.710 | 0.97 | 19.13 | 25.00 | 0.967 | 0.480 | 0.77 |
| 15 | 10:31 | 0.94 | 0.967 | 1.00 | 21.41 | 25.00 | 1.046 | 1.222 | 0.86 |
| 16 | 12:04 | 0.94 | 0.821 | 0.99 | 15.22 | 20.00 | 0.117 | 0.153 | 0.76 |
| 17 | 12:18 | 0.94 | 0.837 | 0.99 | 17.62 | 20.00 | 0.158 | 0.179 | 0.88 |
| 18 | 12:35 | 0.94 | 0.857 | 0.99 | 12.61 | 20.00 | 0.231 | 0.366 | 0.63 |
| 19 | 12:47 | 0.94 | 0.870 | 0.99 | 17.49 | 20.00 | 0.384 | 0.439 | 0.87 |
| 20 | 13:33 | 0.95 | 0.922 | 1.00 | 15.80 | 20.00 | 0.656 | 0.830 | 0.79 |
| 21 | 13:42 | 0.95 | 0.932 | 1.00 | 19.03 | 20.00 | 0.152 | 0.159 | 0.95 |
| 22 | 14:10 | 0.95 | 0.964 | 1.00 | 13.46 | 20.00 | 0.175 | 0.260 | 0.67 |
| 23 | 14:24 | 0.95 | 0.980 | 1.00 | 14.66 | 20.00 | 0.452 | 0.616 | 0.73 |
| 24 | 14:31 | 0.96 | 0.988 | 1.01 | 24.98 | 20.00 | 0.166 | 0.133 | 1.25 |
| 25 | 14:37 | 0.95 | 0.995 | 1.00 | 17.48 | 20.00 | 0.366 | 0.419 | 0.87 |
| 26 | 14:45 | 0.95 | 1.004 | 1.00 | 14.77 | 20.00 | 1.205 | 1.632 | 0.74 |
| 27 | 15:23 | 0.95 | 1.047 | 1.00 | 16.56 | 20.00 | 0.234 | 0.283 | 0.83 |
| 28 | 16:54 | 0.97 | 1.150 | 1.02 | 3.62 | 20.00 | 0.149 | 0.825 | 0.18 |
| 29 | 17:35 | 0.96 | 1.197 | 1.01 | 8.39 | 20.00 | 0.016 | 0.038 | 0.42 |
| 30 | 17:58 | 0.96 | 1.223 | 1.01 | 20.18 | 20.00 | 0.158 | 0.156 | 1.01 |
| 31 | 12:11 | 0.95 | 0.830 | 1.00 | 15.99 | 20.00 | 0.249 | 0.312 | 0.80 |
| 32 | 12:40 | 0.95 | 0.862 | 1.00 | 16.09 | 20.00 | 0.292 | 0.364 | 0.80 |
| 33 | 15:08 | 0.97 | 1.030 | 1.02 | 5.14 | 20.00 | 0.013 | 0.051 | 0.26 |
| 34 | 15:40 | 0.95 | 1.066 | 1.00 | 70.15 | 20.00 | 0.030 | 0.009 | 3.51 |
| 35 | 16:54 | 0.97 | 1.150 | 1.02 | 14.59 | 20.00 | 0.149 | 0.205 | 0.73 |
| 36 | 12:41 | 0.95 | 0.863 | 0.99 | 19.28 | 25.00 | 0.289 | 0.374 | 0.77 |

| NO | REI(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 18:10 | 0.96 | 1.236 | 1.01 | 25.16 | 25.00 | ~~0.787~~ | 0.781 | 1.01 |
| 38 | 17:58 | 0.96 | 0.747 | 0.99 | 20.52 | 20.00 | 0.036 | 0.035 | 1.03 |
| 39 | 19:37 | 0.97 | 0.815 | 1.00 | 16.87 | 20.00 | 0.970 | 1.150 | 0.84 |
| 40 | 19:28 | 0.97 | 0.809 | 0.99 | 17.93 | 20.00 | 1.185 | 1.322 | 0.90 |
| 41 | 19:47 | 0.96 | 0.822 | 0.99 | 0.70 | 20.00 | 0.009 | 0.245 | 0.03 |
| 42 | 20:01 | 0.97 | 0.832 | 0.99 | 15.33 | 20.00 | 0.791 | 1.032 | 0.77 |
| 43 | 20:24 | | 0.847 | | | 100.00 | | 0.040 | |
| 44 | 20:28 | 0.97 | 0.851 | 1.00 | 16.73 | 20.00 | 0.423 | 0.506 | 0.84 |
| 45 | 20:49 | 1.00 | 0.865 | 1.03 | 77.51 | 20.00 | 0.973 | 0.251 | 3.88 |
| 46 | 21:27 | 0.97 | 0.891 | 1.00 | 17.28 | 20.00 | 0.782 | 0.906 | 0.86 |
| 47 | 21:35 | 0.97 | 0.897 | 1.00 | 17.68 | 20.00 | 0.487 | 0.551 | 0.88 |
| 48 | 21:38 | 0.97 | 0.899 | 1.00 | 15.94 | 20.00 | 1.037 | 1.302 | 0.80 |
| 49 | 21:56 | | 0.911 | | | 100.00 | | 0.085 | |
| 50 | 22:00 | 0.97 | 0.914 | 1.00 | 34.71 | 20.00 | 0.430 | 0.248 | 1.74 |
| 51 | 22:00 | 0.97 | 0.914 | 1.00 | 18.45 | 20.00 | 0.229 | 0.249 | 0.92 |
| 52 | 22:56 | 0.97 | 0.953 | 1.00 | 18.86 | 20.00 | 0.247 | 0.262 | 0.94 |
| 53 | 23:14 | 0.97 | 0.965 | 1.00 | 17.90 | 20.00 | 0.374 | 0.418 | 0.89 |
| 54 | 23:52 | 0.98 | 0.991 | 1.01 | 11.49 | 20.00 | 0.049 | 0.085 | 0.57 |
| 55 | 24:10 | 0.97 | 1.004 | 1.00 | 17.90 | 20.00 | 1.238 | 1.384 | 0.89 |
| 56 | 24:17 | 0.97 | 1.009 | 1.00 | 16.83 | 20.00 | 0.992 | 1.178 | 0.84 |
| 57 | 26:21 | 0.97 | 1.095 | 1.00 | 17.04 | 20.00 | 1.353 | 1.587 | 0.85 |
| 58 | 27:39 | 0.97 | 1.149 | 1.00 | 18.41 | 20.00 | 1.102 | 1.197 | 0.92 |
| 59 | 18:04 | 0.96 | 0.751 | 0.99 | 20.27 | 20.00 | 0.210 | 0.207 | 1.01 |
| 60 | 18:56 | 0.97 | 0.787 | 1.00 | 31.29 | 20.00 | 0.115 | 0.074 | 1.56 |
| 61 | 20:01 | 0.97 | 0.832 | 1.00 | 27.39 | 20.00 | 0.012 | 0.008 | 1.37 |
| 62 | 20:28 | 0.97 | 0.851 | 1.00 | 17.57 | 20.00 | 1.137 | 1.295 | 0.88 |
| 63 | 22:00 | | 0.914 | | | 100.00 | | 0.006 | |
| 64 | 22:13 | 0.97 | 0.923 | 1.00 | 22.14 | 25.00 | ~~0.103~~ | 0.117 | 0.89 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 0.97 | 0.887 | 1.00 | 17.54 | 20.00 | 1.999 | 2.279 | 0.88 |
| 67 | 30:41 | 0.98 | 0.963 | 1.00 | 19.24 | 20.00 | 0.950 | 0.987 | 0.96 |
| 68 | 31:49 | 0.97 | 0.999 | 1.00 | 18.51 | 20.00 | 0.827 | 0.893 | 0.93 |
| 69 | 32:02 | 0.98 | 1.005 | 1.00 | 2.10 | 20.00 | 0.018 | 0.171 | 0.10 |
| 70 | 31:57 | 0.97 | 1.003 | 1.00 | 17.18 | 20.00 | 1.069 | 1.244 | 0.86 |
| 71 | 32:33 | 0.98 | 1.022 | 1.00 | 19.54 | 20.00 | 1.071 | 1.096 | 0.98 |
| 72 | 28:56 | 0.97 | 0.908 | 1.00 | 25.33 | 25.00 | ~~1.242~~ | 1.226 | 1.01 |
| 73 | 31:07 | | 1.065 | | | 20.00 | — | 0.122 | |
| 74 | 34:17 | 0.98 | 1.076 | 1.00 | 23.38 | 20.00 | 1.480 | 1.266 | 1.17 |
| 75 | 34:50 | 0.98 | 1.093 | 1.00 | 134.68 | 20.00 | 1.403 | 0.208 | 6.73 |
| 76 | 34:55 | 0.97 | 1.096 | 1.00 | 127.20 | 20.00 | 1.403 | 0.221 | 6.36 |
| 77 | 35:38 | 0.98 | 1.119 | 1.00 | 20.63 | 20.00 | 0.566 | 0.548 | 1.03 |
| 78 | 39:06 | 0.97 | 1.227 | 0.99 | 5.70 | 20.00 | 0.110 | 0.387 | 0.28 |
| 79 | 39:13 | 0.97 | 1.231 | 0.99 | 16.85 | 20.00 | 0.333 | 0.396 | 0.84 |
| 80 | 40:03 | 0.96 | 1.257 | 0.99 | 22.66 | 20.00 | 0.490 | 0.433 | 1.13 |

RIC
03/06/84 8:01:00
SAMPLE: STD 100UG/ML
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD109 #1
CALI: STD109 #1

SCANS 190 TO 3000



QUANTITATION REPORT FILE: STD109

DATA: STD109.TI
03/06/84 8:01:00
SAMPLE: STD 100UG/ML
SUBMITTED BY: ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | | NAME |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 689 | 10:55 | 1 | 1.000 | A BB | 54850. | 20.000 | UG/ML | 0.21 |
| 2 | 136 | 928 | 14:42 | 2 | 1.000 | A BV | 182241. | 20.000 | UG/ML | 0.21 |
| 3 | 188 | 1521 | 24:05 | 3 | 1.000 | A VV | 120613. | 20.000 | UG/ML | 0.21 |
| 4 | 240 | 2013 | 31:52 | 4 | 1.000 | A BV | 78375. | 20.000 | UG/ML | 0.21 |
| 5 | 74 | 248 | 3:56 | 1 | 0.360 | A BB | 192351. | 116.089 | UG/ML | 1.22 |
| 6 | 128 | 663 | 10:30 | 1 | 0.962 | A BB | 373014. | 106.521 | UG/ML | 1.12 |
| 7 | 94 | 668 | 10:35 | 1 | 0.970 | A BB | 362189. | 88.678 | UG/ML | 0.93 |
| 8 | 93 | 666 | 10:33 | 1 | 0.967 | A VB | 429323. | 104.241 | UG/ML | 1.10 |
| 9 | 146 | 680 | 10:46 | 1 | 0.987 | A BV | 440837. | 107.039 | UG/ML | 1.13 |
| 10 | 146 | 692 | 10:57 | 1 | 1.004 | A VB | 452766. | 109.842 | UG/ML | 1.16 |
| 11 | 146 | 725 | 11:29 | 1 | 1.052 | A BB | 455955. | 113.163 | UG/ML | 1.19 |
| 12 | 93 | 648 | 10:16 | 1 | 0.940 | A BV | 72325. | 56.830 | UG/ML | 0.60 |
| 13 | 79 | 741 | 11:44 | 1 | 1.075 | A BB | 191935. | 92.058 | UG/ML | 0.97 |
| 14 | 112 | 488 | 7:44 | 1 | 0.708 | A BB | 122751. | 52.830 | UG/ML | 0.56 |
| 15 | 99 | 665 | 10:32 | 1 | 0.965 | A BB | 197052. | 51.420 | UG/ML | 0.54 |
| 16 | 121 | 762 | 12:04 | 2 | 0.821 | A BV | 109522. | 91.203 | UG/ML | 0.96 |
| 17 | 201 | 777 | 12:18 | 2 | 0.837 | A BB | 153847. | 93.797 | UG/ML | 0.99 |
| 18 | 70 | 796 | 12:36 | 2 | 0.858 | A VV | 249362. | 96.562 | UG/ML | 1.02 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 77 | 808 | 12:48 | 2 | 0.871 | A VV | 299136. | 73.774 | UG/ML | 0.78 |
| 20 | 82 | 859 | 13:36 | 2 | 0.926 | A BB | 641506. | 99.788 | UG/ML | 1.05 |
| 21 | 139 | 867 | 13:44 | 2 | 0.934 | A BB | 207697. | 101.322 | UG/ML | 1.07 |
| 22 | 122 | 896 | 14:11 | 2 | 0.966 | A BB | 220857. | 78.545 | UG/ML | 0.83 |
| 23 | 93 | 910 | 14:24 | 2 | 0.981 | A BV | 452105. | 93.503 | UG/ML | 0.98 |
| 24 | 162 | 917 | 14:31 | 2 | 0.988 | A BV | 251414. | 100.532 | UG/ML | 1.06 |
| 25 | 180 | 924 | 14:38 | 2 | 0.996 | A BB | 332594. | 87.968 | UG/ML | 0.93 |
| 26 | 128 | 933 | 14:46 | 2 | 1.005 | A VB | 970551. | 97.255 | UG/ML | 1.02 |
| 27 | 225 | 972 | 15:23 | 2 | 1.047 | A BB | 208104. | 95.860 | UG/ML | 1.01 |
| 28 | 142 | 1067 | 16:54 | 2 | 1.150 | A BB | 688366. | 87.687 | UG/ML | 0.92 |
| 29 | 237 | 1111 | 17:35 | 2 | 1.197 | A BB | 66611. | 95.983 | UG/ML | 1.01 |
| 30 | 196 | 1135 | 17:58 | 2 | 1.223 | A BV | 147645. | 83.059 | UG/ML | 0.87 |
| 31 | 108 | 770 | 12:11 | 2 | 0.830 | A*BB | 264653. | 94.439 | UG/ML | 0.99 |
| 32 | 107 | 801 | 12:41 | 2 | 0.863 | A BB | 358550. | 93.004 | UG/ML | 0.98 |
| 33 | 122 | 960 | 15:12 | 2 | 1.034 | A VB | 65282. | 297.413 | UG/ML | 3.13 |
| 34 | 127 | 990 | 15:40 | 2 | 1.067 | A*BV | 12404. | 179.074 | UG/ML | 1.88 |
| 35 | 142 | 1067 | 16:54 | 2 | 1.150 | A BB | 688366. | 92.713 | UG/ML | 0.98 |
| 36 | 82 | 803 | 12:43 | 2 | ~~0.865~~ | A BB | 149988. | 43.965 | UG/ML | 0.46 |
| 37 | 172 | 1148 | 18:11 | 2 | ~~1.237~~ | A BV | 287907. | 41.149 | UG/ML | 0.43 |
| 38 | 162 | 1135 | 17:58 | 3 | 0.746 | A BV | 19771. | 79.424 | UG/ML | 0.84 |
| 39 | 163 | 1239 | 19:37 | 3 | 0.815 | A VV | 634604. | 94.863 | UG/ML | 1.00 |
| 40 | 152 | 1230 | 19:28 | 3 | 0.809 | A BB | 621376. | 89.665 | UG/ML | 0.94 |
| 41 | 165 | 1239 | 19:37 | 3 | 0.815 | A BV | 10545. | 11.003 | UG/ML | 0.12 |
| 42 | 153 | 1265 | 20:02 | 3 | 0.832 | A BB | 540818. | 101.352 | UG/ML | 1.07 |
| 43 | 184 | 1288 | 20:24 | 3 | 0.847 | A BB | 23920. | 99.796 | UG/ML | 1.05 |
| 44 | 139 | 1294 | 20:29 | 3 | 0.851 | A BB | 285974. | 95.238 | UG/ML | 1.00 |
| 45 | 165 | 1317 | 20:51 | 3 | 0.866 | A BB | 142214. | 95.616 | UG/ML | 1.01 |
| 46 | 166 | 1356 | 21:28 | 3 | 0.892 | A BV | 532714. | 101.721 | UG/ML | 1.07 |
| 47 | 204 | 1364 | 21:36 | 3 | 0.897 | A VB | 306009. | 94.046 | UG/ML | 0.99 |
| 48 | 149 | 1367 | 21:39 | 3 | 0.899 | A VB | 597260. | 83.134 | UG/ML | 0.87 |
| 49 | 198 | 1386 | 21:57 | 3 | 0.911 | A BV | 54812. | 92.809 | UG/ML | 0.98 |
| 50 | 169 | 1390 | 22:00 | 3 | 0.914 | A VB | 133222. | 109.418 | UG/ML | 1.15 |
| 51 | 182 | 1391 | 22:01 | 3 | 0.915 | A BB | 152109. | 98.789 | UG/ML | 1.04 |
| 52 | 248 | 1449 | 22:57 | 3 | 0.953 | A VB | 151018. | 92.494 | UG/ML | 0.97 |
| 53 | 284 | 1468 | 23:15 | 3 | 0.965 | A VB | 211730. | 92.717 | UG/ML | 0.98 |
| 54 | 266 | 1508 | 23:53 | 3 | 0.991 | A BV | 83518. | 95.999 | UG/ML | 1.01 |
| 55 | 178 | 1527 | 24:11 | 3 | 1.004 | A VV | 771104. | 94.203 | UG/ML | 0.99 |
| 56 | 178 | 1535 | 24:18 | 3 | 1.009 | A VB | 611647. | 95.085 | UG/ML | 1.00 |
| 57 | 149 | 1664 | 26:21 | 3 | 1.094 | A BB | 828281. | 94.396 | UG/ML | 0.99 |
| 58 | 202 | 1746 | 27:39 | 3 | 1.148 | A BB | 748746. | 96.206 | UG/ML | 1.01 |
| 59 | 196 | 1141 | 18:04 | 3 | 0.750 | A VB | 154010. | 94.781 | UG/ML | 1.00 |
| 60 | 138 | 1197 | 18:57 | 3 | 0.787 | A BV | 73497. | 83.190 | UG/ML | 0.88 |
| 61 | 65 | 1265 | 20:02 | 3 | 0.832 | A BB | 2833. | 78.243 | UG/ML | 0.82 |
| 62 | 168 | 1294 | 20:29 | 3 | 0.851 | A BB | 676618. | 89.856 | UG/ML | 0.95 |
| 63 | 138 | 1385 | 21:56 | 3 | 0.911 | A VB | 4779. | 51.222 | UG/ML | 0.54 |
| 64 | 330 | 1403 | 22:13 | 3 | ~~0.922~~ | A BB | 36271. | 47.921 | UG/ML | 0.50 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1786 | 28:17 | 4 | 0.887 | A VB | 766073. | 92.795 | UG/ML | 0.98 |
| 67 | 149 | 1939 | 30:42 | 4 | 0.963 | A BB | 410397. | 91.752 | UG/ML | 0.97 |
| 68 | 228 | 2010 | 31:49 | 4 | 0.999 | A BV | 389090. | 102.084 | UG/ML | 1.07 |
| 69 | 252 | 2024 | 32:03 | 4 | 1.005 | A BB | 23371. | -5.068 | UG/ML | -0.04 |
| 70 | 228 | 2019 | 31:58 | 4 | 1.003 | A VB | 438324. | 104.405 | UG/ML | 1.10 |
| 71 | 149 | 2056 | 32:33 | 4 | 1.021 | A BB | 449709. | 92.522 | UG/ML | 0.97 |
| 72 | 244 | 1828 | 28:57 | 4 | ~~0.908~~ | A VB | 220736. | 45.882 | UG/ML | 0.48 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | 149 | 2166 | 34:18 | 4 | 1.076 | A BV | 556699. | 98.724 | UG/ML | 1.04 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 252 | 2206 | 34:56 | 4 | 1.096 | A*BB | 562099. | 1682.850 | UG/ML | 17.70 |
| 76 | 252 | 2206 | 34:56 | 4 | 1.096 | A*BB | 561566. | 1011.660 | UG/ML | 10.64 |
| 77 | 252 | 2252 | 35:39 | 4 | 1.119 | A BB | 223354. | 125.622 | UG/ML | 1.32 |
| 78 | 276 | 2470 | 39:06 | 4 | 1.227 | A BV | 125185. | 135.175 | UG/ML | 1.42 |
| 79 | 278 | 2478 | 39:14 | 4 | 1.231 | A BB | 124204. | 135.278 | UG/ML | 1.42 |
| 80 | 276 | 2530 | 40:03 | 4 | 1.257 | A BB | 129264. | 141.765 | UG/ML | 1.49 |

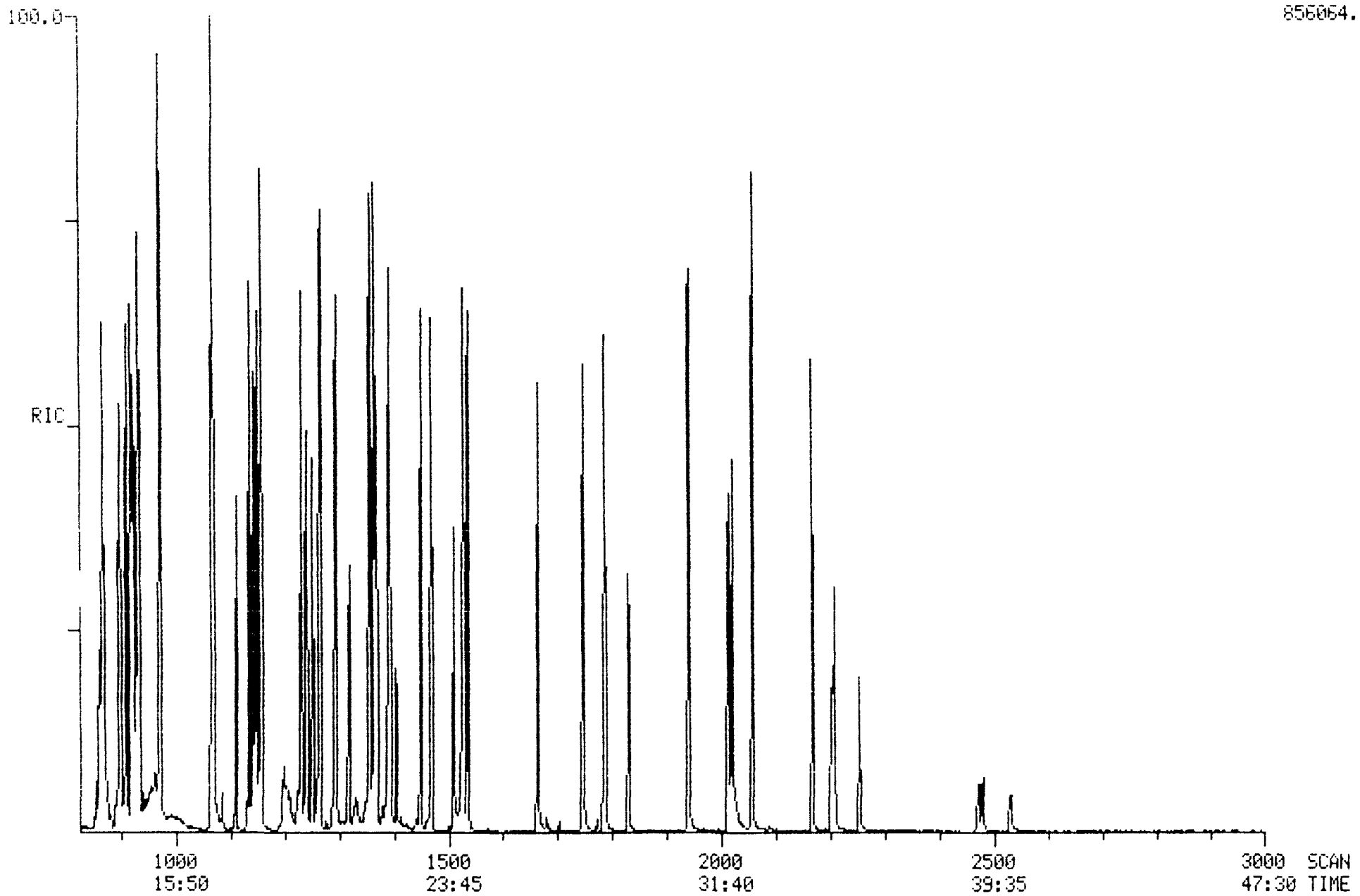
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 1.01 | 0.358 | 1.01 | 116.09 | 100.00 | 0.701 | 0.604 | 1.16 |
| 6 | 10:30 | 1.00 | 0.965 | 1.00 | 106.52 | 100.00 | 1.360 | 1.277 | 1.07 |
| 7 | 10:35 | 1.00 | 0.972 | 1.00 | 88.68 | 100.00 | 1.321 | 1.489 | 0.89 |
| 8 | 10:33 | 1.00 | 0.969 | 1.00 | 104.24 | 100.00 | 1.565 | 1.502 | 1.04 |
| 9 | 10:46 | 1.00 | 0.990 | 1.00 | 107.04 | 100.00 | 1.607 | 1.502 | 1.07 |
| 10 | 10:57 | 1.00 | 1.007 | 1.00 | 109.84 | 100.00 | 1.651 | 1.503 | 1.10 |
| 11 | 11:28 | 1.00 | 1.054 | 1.00 | 113.16 | 100.00 | 1.663 | 1.469 | 1.13 |
| 12 | 10:15 | 1.00 | 0.942 | 1.00 | 56.83 | 100.00 | 0.264 | 0.464 | 0.57 |
| 13 | 11:41 | 1.00 | 1.074 | 1.00 | 92.06 | 100.00 | 0.700 | 0.760 | 0.92 |
| 14 | 7:44 | 1.00 | 0.710 | 1.00 | 52.83 | 50.00 | ~~0.895~~ | 0.847 | 1.06 |
| 15 | 10:31 | 1.00 | 0.967 | 1.00 | 51.42 | 50.00 | ~~1.497~~ | 1.397 | 1.03 |
| 16 | 12:04 | 1.00 | 0.821 | 1.00 | 91.20 | 100.00 | 0.120 | 0.132 | 0.91 |
| 17 | 12:18 | 1.00 | 0.837 | 1.00 | 93.80 | 100.00 | 0.169 | 0.180 | 0.94 |
| 18 | 12:35 | 1.00 | 0.857 | 1.00 | 96.56 | 100.00 | 0.274 | 0.283 | 0.97 |
| 19 | 12:47 | 1.00 | 0.870 | 1.00 | 73.77 | 100.00 | 0.328 | 0.445 | 0.74 |
| 20 | 13:33 | 1.00 | 0.922 | 1.00 | 99.79 | 100.00 | 0.704 | 0.706 | 1.00 |
| 21 | 13:42 | 1.00 | 0.932 | 1.00 | 101.32 | 100.00 | 0.228 | 0.225 | 1.01 |
| 22 | 14:10 | 1.00 | 0.964 | 1.00 | 78.55 | 100.00 | 0.242 | 0.309 | 0.79 |
| 23 | 14:24 | 1.00 | 0.980 | 1.00 | 93.50 | 100.00 | 0.496 | 0.531 | 0.94 |
| 24 | 14:31 | 1.00 | 0.988 | 1.00 | 100.53 | 100.00 | 0.276 | 0.274 | 1.01 |
| 25 | 14:37 | 1.00 | 0.995 | 1.00 | 87.97 | 100.00 | 0.365 | 0.415 | 0.88 |
| 26 | 14:45 | 1.00 | 1.004 | 1.00 | 97.26 | 100.00 | 1.065 | 1.095 | 0.97 |
| 27 | 15:23 | 1.00 | 1.047 | 1.00 | 95.86 | 100.00 | 0.228 | 0.238 | 0.96 |
| 28 | 16:54 | 1.00 | 1.150 | 1.00 | 87.69 | 100.00 | 0.755 | 0.862 | 0.88 |
| 29 | 17:35 | 1.00 | 1.197 | 1.00 | 95.98 | 100.00 | 0.073 | 0.076 | 0.96 |
| 30 | 17:58 | 1.00 | 1.223 | 1.00 | 83.06 | 100.00 | 0.162 | 0.195 | 0.83 |
| 31 | 12:11 | 1.00 | 0.830 | 1.00 | 94.44 | 100.00 | 0.290 | 0.308 | 0.94 |
| 32 | 12:40 | 1.00 | 0.862 | 1.00 | 93.00 | 100.00 | 0.393 | 0.423 | 0.93 |
| 33 | 15:08 | 1.00 | 1.030 | 1.00 | 297.41 | 100.00 | 0.072 | 0.024 | 2.97 |
| 34 | 15:40 | 1.00 | 1.066 | 1.00 | 179.07 | 100.00 | 0.014 | 0.008 | 1.79 |
| 35 | 16:54 | 1.00 | 1.150 | 1.00 | 92.71 | 100.00 | 0.755 | 0.815 | 0.93 |
| 36 | 12:41 | 1.00 | 0.863 | 1.00 | 43.97 | 50.00 | ~~0.329~~ | 0.374 | 0.88 |
| 37 | 18:10 | 1.00 | 1.236 | 1.00 | 41.15 | 50.00 | ~~0.632~~ | 0.768 | 0.82 |
| 38 | 17:58 | 1.00 | 0.747 | 1.00 | 79.42 | 100.00 | 0.033 | 0.041 | 0.79 |
| 39 | 19:37 | 1.00 | 0.815 | 1.00 | 94.86 | 100.00 | 1.052 | 1.109 | 0.95 |
| 40 | 19:28 | 1.00 | 0.809 | 1.00 | 89.66 | 100.00 | 1.030 | 1.149 | 0.90 |
| 41 | 19:47 | 0.99 | 0.822 | 0.99 | 11.00 | 100.00 | 0.017 | 0.159 | 0.11 |
| 42 | 20:01 | 1.00 | 0.832 | 1.00 | 101.35 | 100.00 | 0.897 | 0.885 | 1.01 |
| 43 | 20:24 | 1.00 | 0.847 | 1.00 | 99.80 | 100.00 | 0.040 | 0.040 | 1.00 |
| 44 | 20:28 | 1.00 | 0.851 | 1.00 | 95.24 | 100.00 | 0.474 | 0.498 | 0.95 |
| 45 | 20:49 | 1.00 | 0.865 | 1.00 | 95.62 | 100.00 | 0.236 | 0.247 | 0.96 |
| 46 | 21:27 | 1.00 | 0.891 | 1.00 | 101.72 | 100.00 | 0.883 | 0.868 | 1.02 |
| 47 | 21:35 | 1.00 | 0.897 | 1.00 | 94.05 | 100.00 | 0.507 | 0.540 | 0.94 |
| 48 | 21:38 | 1.00 | 0.899 | 1.00 | 83.13 | 100.00 | 0.990 | 1.191 | 0.83 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 49 | 21:56 | 1.00 | 0.911 | 1.00 | 92.81 | 100.00 | 0.091 | 0.098 | 0.93 |
| 50 | 22:00 | 1.00 | 0.914 | 1.00 | 109.42 | 100.00 | 0.221 | 0.202 | 1.09 |
| 51 | 22:00 | 1.00 | 0.914 | 1.00 | 98.79 | 100.00 | 0.252 | 0.255 | 0.99 |
| 52 | 22:56 | 1.00 | 0.953 | 1.00 | 92.49 | 100.00 | 0.250 | 0.271 | 0.92 |
| 53 | 23:14 | 1.00 | 0.965 | 1.00 | 92.72 | 100.00 | 0.351 | 0.379 | 0.93 |
| 54 | 23:52 | 1.00 | 0.991 | 1.00 | 96.00 | 100.00 | 0.138 | 0.144 | 0.96 |
| 55 | 24:10 | 1.00 | 1.004 | 1.00 | 94.20 | 100.00 | 1.279 | 1.357 | 0.94 |
| 56 | 24:17 | 1.00 | 1.009 | 1.00 | 95.09 | 100.00 | 1.014 | 1.067 | 0.95 |
| 57 | 26:21 | 1.00 | 1.095 | 1.00 | 94.40 | 100.00 | 1.373 | 1.455 | 0.94 |
| 58 | 27:39 | 1.00 | 1.149 | 1.00 | 96.21 | 100.00 | 1.242 | 1.291 | 0.96 |
| 59 | 18:04 | 1.00 | 0.751 | 1.00 | 94.78 | 100.00 | 0.255 | 0.269 | 0.95 |
| 60 | 18:56 | 1.00 | 0.787 | 1.00 | 83.19 | 100.00 | 0.122 | 0.146 | 0.83 |
| 61 | 20:01 | 1.00 | 0.832 | 1.00 | 78.24 | 100.00 | 0.005 | 0.006 | 0.78 |
| 62 | 20:28 | 1.00 | 0.851 | 1.00 | 89.86 | 100.00 | 1.122 | 1.249 | 0.90 |
| 63 | 22:00 | 1.00 | 0.914 | 1.00 | 51.22 | 100.00 | 0.008 | 0.015 | 0.51 |
| 64 | 22:13 | 1.00 | 0.923 | 1.00 | 47.92 | 50.00 | ~~0.120~~ | 0.126 | 0.96 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 1.00 | 0.887 | 1.00 | 92.79 | 100.00 | 1.955 | 2.107 | 0.93 |
| 67 | 30:41 | 1.00 | 0.963 | 1.00 | 91.75 | 100.00 | 1.047 | 1.141 | 0.92 |
| 68 | 31:49 | 1.00 | 0.999 | 1.00 | 102.08 | 100.00 | 0.993 | 0.973 | 1.02 |
| 69 | 32:02 | 1.00 | 1.005 | 1.00 | -5.06 | 100.00 | 0.060 | -1.176 | -0.04 |
| 70 | 31:57 | 1.00 | 1.003 | 1.00 | 104.41 | 100.00 | 1.119 | 1.071 | 1.04 |
| 71 | 32:33 | 1.00 | 1.022 | 1.00 | 92.52 | 100.00 | 1.148 | 1.240 | 0.93 |
| 72 | 28:56 | 1.00 | 0.908 | 1.00 | 45.88 | 50.00 | ~~1.127~~ | 1.228 | 0.92 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 1.00 | 1.076 | 1.00 | 98.72 | 100.00 | 1.421 | 1.439 | 0.99 |
| 75 | 34:50 | 1.00 | 1.093 | 1.00 | 1682.85 | 100.00 | 1.434 | 0.085 | 16.83 |
| 76 | 34:55 | 1.00 | 1.096 | 1.00 | 1011.67 | 100.00 | 1.433 | 0.142 | 10.12 |
| 77 | 35:38 | 1.00 | 1.119 | 1.00 | 125.62 | 100.00 | 0.570 | 0.454 | 1.26 |
| 78 | 39:06 | 1.00 | 1.227 | 1.00 | 135.18 | 100.00 | 0.319 | 0.236 | 1.35 |
| 79 | 39:13 | 1.00 | 1.231 | 1.00 | 135.28 | 100.00 | 0.317 | 0.234 | 1.35 |
| 80 | 40:03 | 1.00 | 1.257 | 1.00 | 141.76 | 100.00 | 0.330 | 0.233 | 1.42 |

RIC
03/06/84 11:58:00
SAMPLE: ABNSTD 150 UG/ML
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD111 #1
CALI: STD111 #1

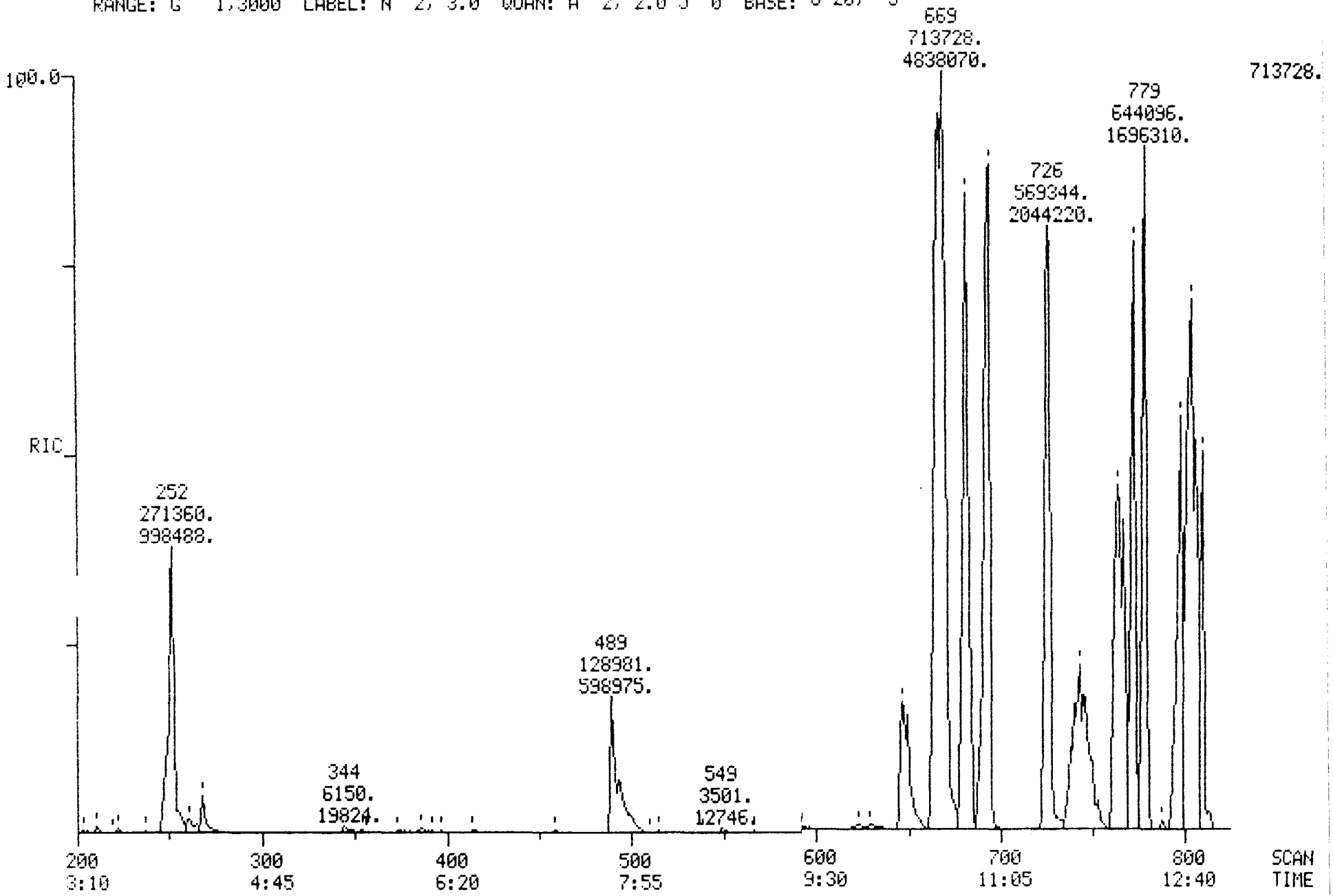
SCANS 825 TO 3000



RIC
03/06/84 11:58:00
SAMPLE: ABNSTD 150 UG/ML
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD111 #1
CALI: STD111 #1

SCANS 200 TO 825



b QUANTITATION REPORT FILE: STD111

DATA: STD111.TI
03/06/84 11:58:00
SAMPLE: ABNSTD 150 UG/ML
SUBMITTED BY: ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2 NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4 NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 150 | 692 | 10:57 | 1 | 1.000 | A VB | 144120. | 20.000 | UG/ML | 0.18 |
| 2 | 136 | 929 | 14:43 | 2 | 1.000 | A VB | 186523. | 20.000 | UG/ML | 0.18 |
| 3 | 188 | 1522 | 24:06 | 3 | 1.000 | A VV | 101769. | 20.000 | UG/ML | 0.18 |
| 4 | 240 | 2015 | 31:54 | 4 | 1.000 | A BB | 67325. | 20.000 | UG/ML | 0.18 |
| 5 | 74 | 251 | 3:58 | 1 | 0.363 | A BV | 225342. | 56.647 | UG/ML | 0.50 |
| 6 | 128 | 665 | 10:32 | 1 | 0.961 | A BB | 482063. | 51.320 | UG/ML | 0.45 |
| 7 | 94 | 671 | 10:37 | 1 | 0.970 | A BB | 524485. | 50.055 | UG/ML | 0.44 |
| 8 | 93 | 669 | 10:36 | 1 | 0.967 | A VB | 513142. | 43.679 | UG/ML | 0.39 |
| 9 | 146 | 682 | 10:48 | 1 | 0.986 | A BV | 568636. | 51.300 | UG/ML | 0.45 |
| 10 | 146 | 694 | 10:59 | 1 | 1.003 | A VB | 602724. | 50.410 | UG/ML | 0.44 |
| 11 | 146 | 726 | 11:30 | 1 | 1.049 | A BV | 544223. | 50.974 | UG/ML | 0.45 |
| 12 | 93 | 647 | 10:15 | 1 | 0.935 | A BV | 274704. | 70.198 | UG/ML | 0.62 |
| 13 | 79 | 743 | 11:46 | 1 | 1.074 | A BB | 299356. | 59.495 | UG/ML | 0.53 |
| 14 | 112 | 489 | 7:45 | 1 | ~~0.707~~ | A BB | 177066. | 36.272 | UG/ML | 0.32 |
| 15 | 99 | 666 | 10:33 | 1 | ~~0.962~~ | A BB | 270475. | 29.655 | UG/ML | 0.26 |
| 16 | 121 | 764 | 12:06 | 2 | 0.822 | A BB | 169967. | 141.338 | UG/ML | 1.25 |
| 17 | 201 | 779 | 12:20 | 2 | 0.839 | A BB | 204150. | 123.474 | UG/ML | 1.09 |
| 18 | 70 | 799 | 12:39 | 2 | 0.860 | A VV | 309748. | 119.422 | UG/ML | 1.05 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 77 | 811 | 12:50 | 2 | 0.873 | A BV | 611892. | 138.650 | UG/ML | 1.22 |
| 20 | 82 | 860 | 13:37 | 2 | 0.926 | A BB | 736656. | 113.065 | UG/ML | 1.00 |
| 21 | 139 | 869 | 13:46 | 2 | 0.935 | A BB | 318660. | 145.819 | UG/ML | 1.29 |
| 22 | 122 | 899 | 14:14 | 2 | 0.968 | A BB | 347770. | 119.373 | UG/ML | 1.05 |
| 23 | 93 | 912 | 14:26 | 2 | 0.982 | A VB | 524019. | 106.455 | UG/ML | 0.94 |
| 24 | 162 | 920 | 14:34 | 2 | 0.990 | A BV | 360848. | 136.492 | UG/ML | 1.20 |
| 25 | 180 | 925 | 14:39 | 2 | 0.996 | A BB | 453413. | 117.230 | UG/ML | 1.03 |
| 26 | 128 | 933 | 14:46 | 2 | 1.004 | A VV | 1073580. | 106.691 | UG/ML | 0.94 |
| 27 | 225 | 973 | 15:24 | 2 | 1.047 | A BB | 271251. | 123.575 | UG/ML | 1.09 |
| 28 | 142 | 1069 | 16:56 | 2 | 1.151 | A BV | 902601. | 112.167 | UG/ML | 0.99 |
| 29 | 237 | 1112 | 17:36 | 2 | 1.197 | A BB | 93788. | 126.768 | UG/ML | 1.12 |
| 30 | 196 | 1137 | 18:00 | 2 | 1.224 | A BV | 229806. | 122.488 | UG/ML | 1.08 |
| 31 | 108 | 773 | 12:14 | 2 | 0.832 | A BB | 370972. | 129.247 | UG/ML | 1.14 |
| 32 | 107 | 805 | 12:45 | 2 | 0.867 | A BB | 511735. | 127.403 | UG/ML | 1.12 |
| 33 | 122 | 953 | 15:05 | 2 | 1.026 | A BV | 18641. | 58.898 | UG/ML | 0.52 |
| 34 | 127 | 991 | 15:41 | 2 | 1.067 | M II | 13145. | 186.055 | UG/ML | 1.64 |
| 35 | 142 | 1069 | 16:56 | 2 | 1.151 | A BB | 891240. | 113.108 | UG/ML | 1.00 |
| 36 | 82 | 806 | 12:46 | 2 | ~~0.868~~ | A BB | 218331. | 62.292 | UG/ML | 0.55 |
| 37 | 172 | 1150 | 18:12 | 2 | ~~1.238~~ | A BV | 407747. | 58.527 | UG/ML | 0.52 |
| 38 | 162 | 1137 | 18:00 | 3 | 0.747 | A BV | 32290. | 149.154 | UG/ML | 1.32 |
| 39 | 163 | 1241 | 19:39 | 3 | 0.815 | A VB | 749397. | 134.519 | UG/ML | 1.19 |
| 40 | 152 | 1231 | 19:29 | 3 | 0.809 | A BB | 770379. | 136.998 | UG/ML | 1.21 |
| 41 | 165 | 1240 | 19:38 | 3 | 0.815 | A BV | 13216. | 14.455 | UG/ML | 0.13 |
| 42 | 153 | 1267 | 20:04 | 3 | 0.832 | A BV | 667356. | 152.918 | UG/ML | 1.35 |
| 43 | 184 | 1290 | 20:25 | 3 | 0.848 | A BB | 48169. | 161.355 | UG/ML | 1.42 |
| 44 | 139 | 1296 | 20:31 | 3 | 0.852 | A BB | 386526. | 155.193 | UG/ML | 1.37 |
| 45 | 165 | 1319 | 20:53 | 3 | 0.867 | A BB | 178563. | 137.582 | UG/ML | 1.21 |
| 46 | 166 | 1358 | 21:30 | 3 | 0.892 | A BV | 660538. | 151.414 | UG/ML | 1.34 |
| 47 | 204 | 1365 | 21:37 | 3 | 0.897 | A BB | 400720. | 148.041 | UG/ML | 1.31 |
| 48 | 149 | 1370 | 21:41 | 3 | 0.900 | A VB | 739393. | 125.133 | UG/ML | 1.10 |
| 49 | 198 | 1389 | 22:00 | 3 | 0.913 | A VB | 89081. | 162.998 | UG/ML | 1.44 |
| 50 | 169 | 1392 | 22:02 | 3 | 0.915 | A VV | 140659. | 141.929 | UG/ML | 1.25 |
| 51 | 182 | 1394 | 22:04 | 3 | 0.916 | A BB | 198772. | 154.399 | UG/ML | 1.36 |
| 52 | 248 | 1450 | 22:57 | 3 | 0.953 | A VB | 204445. | 149.224 | UG/ML | 1.32 |
| 53 | 284 | 1470 | 23:16 | 3 | 0.966 | A VB | 269413. | 142.998 | UG/ML | 1.26 |
| 54 | 266 | 1510 | 23:54 | 3 | 0.992 | A BB | 106463. | 139.276 | UG/ML | 1.23 |
| 55 | 178 | 1529 | 24:13 | 3 | 1.005 | A VV | 923323. | 134.559 | UG/ML | 1.19 |
| 56 | 178 | 1537 | 24:20 | 3 | 1.010 | A VB | 717895. | 134.775 | UG/ML | 1.19 |
| 57 | 149 | 1665 | 26:22 | 3 | 1.094 | A BB | 917105. | 126.183 | UG/ML | 1.11 |
| 58 | 202 | 1748 | 27:41 | 3 | 1.148 | A VB | 951193. | 143.920 | UG/ML | 1.27 |
| 59 | 196 | 1144 | 18:07 | 3 | 0.752 | A VB | 217478. | 154.710 | UG/ML | 1.37 |
| 60 | 138 | 1200 | 19:00 | 3 | 0.788 | A BB | 110298. | 137.486 | UG/ML | 1.21 |
| 61 | 65 | 1267 | 20:04 | 3 | 0.832 | A BB | 3848. | 150.273 | UG/ML | 1.33 |
| 62 | 168 | 1295 | 20:30 | 3 | 0.851 | A BB | 889110. | 142.970 | UG/ML | 1.26 |
| 63 | 138 | 1378 | 21:49 | 3 | 0.905 | A VV | 1346. | 206.123 | UG/ML | 1.82 |
| 64 | 330 | 1405 | 22:15 | 3 | ~~0.923~~ | A BB | 46672. | 69.697 | UG/ML | 0.62 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1788 | 28:19 | 4 | 0.887 | A BB | 909785. | 129.199 | UG/ML | 1.14 |
| 67 | 149 | 1941 | 30:44 | 4 | 0.963 | A BB | 540701. | 136.988 | UG/ML | 1.21 |
| 68 | 228 | 2013 | 31:52 | 4 | 0.999 | A BV | 468961. | 143.146 | UG/ML | 1.26 |
| 69 | 252 | 2026 | 32:05 | 4 | 1.005 | A BB | 22185. | 47.044 | UG/ML | 0.42 |
| 70 | 228 | 2021 | 32:00 | 4 | 1.003 | A VB | 533978. | 152.439 | UG/ML | 1.35 |
| 71 | 149 | 2058 | 32:35 | 4 | 1.021 | A BB | 478701. | 113.708 | UG/ML | 1.00 |
| 72 | 244 | 1829 | 28:58 | 4 | ~~0.908~~ | A BB | 295396. | 69.665 | UG/ML | 0.61 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | 149 | 2168 | 34:20 | 4 | 1.076 | A BB | 613732. | 126.410 | UG/ML | 1.12 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 252 | 2208 | 34:58 | 4 | 1.096 | A BB | 537974. | 1892.050 | UG/ML | 16.70 |
| 76 | 252 | 2208 | 34:58 | 4 | 1.096 | A BB | 537974. | 1139.750 | UG/ML | 10.06 |
| 77 | 252 | 2253 | 35:40 | 4 | 1.118 | A BB | 188860. | 123.211 | UG/ML | 1.09 |
| 78 | 276 | 2471 | 39:07 | 4 | 1.226 | A BV | 85548. | 100.014 | UG/ML | 0.88 |
| 79 | 278 | 2479 | 39:15 | 4 | 1.230 | A BB | 81982. | 94.824 | UG/ML | 0.84 |
| 80 | 276 | 2530 | 40:03 | 4 | 1.256 | A BB | 79882. | 83.133 | UG/ML | 0.73 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 1.01 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 1.00 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 1.02 | 0.358 | 1.01 | 56.65 | 150.00 | 0.208 | 0.552 | 0.38 |
| 6 | 10:30 | 1.00 | 0.965 | 1.00 | 51.32 | 150.00 | 0.446 | 1.304 | 0.34 |
| 7 | 10:35 | 1.00 | 0.972 | 1.00 | 50.06 | 150.00 | 0.485 | 1.454 | 0.33 |
| 8 | 10:33 | 1.00 | 0.969 | 1.00 | 43.68 | 150.00 | 0.475 | 1.630 | 0.29 |
| 9 | 10:46 | 1.00 | 0.990 | 1.00 | 51.30 | 150.00 | 0.526 | 1.538 | 0.34 |
| 10 | 10:57 | 1.00 | 1.007 | 1.00 | 50.41 | 150.00 | 0.558 | 1.659 | 0.34 |
| 11 | 11:28 | 1.00 | 1.054 | 1.00 | 50.97 | 150.00 | 0.503 | 1.482 | 0.34 |
| 12 | 10:15 | 1.00 | 0.942 | 0.99 | 70.20 | 150.00 | 0.254 | 0.543 | 0.47 |
| 13 | 11:41 | 1.01 | 1.074 | 1.00 | 59.50 | 150.00 | 0.277 | 0.698 | 0.40 |
| 14 | 7:44 | 1.00 | 0.710 | 0.99 | 36.27 | 75.00 | ~~0.328~~ | 0.677 | 0.48 |
| 15 | 10:31 | 1.00 | 0.967 | 1.00 | 29.65 | 75.00 | ~~0.500~~ | 1.266 | 0.40 |
| 16 | 12:04 | 1.00 | 0.821 | 1.00 | 141.34 | 150.00 | 0.121 | 0.129 | 0.94 |
| 17 | 12:18 | 1.00 | 0.837 | 1.00 | 123.47 | 150.00 | 0.146 | 0.177 | 0.82 |
| 18 | 12:35 | 1.01 | 0.857 | 1.00 | 119.42 | 150.00 | 0.221 | 0.278 | 0.80 |
| 19 | 12:47 | 1.00 | 0.870 | 1.00 | 138.65 | 150.00 | 0.437 | 0.473 | 0.92 |
| 20 | 13:33 | 1.00 | 0.922 | 1.00 | 113.07 | 150.00 | 0.527 | 0.699 | 0.75 |
| 21 | 13:42 | 1.00 | 0.932 | 1.00 | 145.82 | 150.00 | 0.228 | 0.234 | 0.97 |
| 22 | 14:10 | 1.00 | 0.964 | 1.00 | 119.37 | 150.00 | 0.249 | 0.312 | 0.80 |
| 23 | 14:24 | 1.00 | 0.980 | 1.00 | 106.45 | 150.00 | 0.375 | 0.528 | 0.71 |
| 24 | 14:31 | 1.00 | 0.988 | 1.00 | 136.49 | 150.00 | 0.258 | 0.283 | 0.91 |
| 25 | 14:37 | 1.00 | 0.995 | 1.00 | 117.23 | 150.00 | 0.324 | 0.415 | 0.78 |
| 26 | 14:45 | 1.00 | 1.004 | 1.00 | 106.69 | 150.00 | 0.767 | 1.079 | 0.71 |
| 27 | 15:23 | 1.00 | 1.047 | 1.00 | 123.58 | 150.00 | 0.194 | 0.235 | 0.82 |
| 28 | 16:54 | 1.00 | 1.150 | 1.00 | 112.17 | 150.00 | 0.645 | 0.863 | 0.75 |
| 29 | 17:35 | 1.00 | 1.197 | 1.00 | 126.77 | 150.00 | 0.067 | 0.079 | 0.85 |
| 30 | 17:58 | 1.00 | 1.223 | 1.00 | 122.49 | 150.00 | 0.164 | 0.201 | 0.82 |
| 31 | 12:11 | 1.00 | 0.830 | 1.00 | 129.25 | 150.00 | 0.265 | 0.308 | 0.86 |
| 32 | 12:40 | 1.01 | 0.862 | 1.01 | 127.40 | 150.00 | 0.366 | 0.431 | 0.85 |
| 33 | 15:08 | 1.00 | 1.030 | 1.00 | 58.90 | 150.00 | 0.013 | 0.034 | 0.39 |
| 34 | 15:40 | 1.00 | 1.066 | 1.00 | 186.06 | 150.00 | 0.009 | 0.008 | 1.24 |
| 35 | 16:54 | 1.00 | 1.150 | 1.00 | 113.11 | 150.00 | 0.637 | 0.845 | 0.75 |
| 36 | 12:41 | 1.01 | 0.863 | 1.01 | 62.29 | 75.00 | ~~0.312~~ | 0.376 | 0.83 |
| 37 | 18:10 | 1.00 | 1.236 | 1.00 | 58.53 | 75.00 | ~~0.589~~ | 0.747 | 0.78 |
| 38 | 17:58 | 1.00 | 0.747 | 1.00 | 149.15 | 150.00 | 0.042 | 0.043 | 0.99 |
| 39 | 19:37 | 1.00 | 0.815 | 1.00 | 134.52 | 150.00 | 0.982 | 1.095 | 0.90 |
| 40 | 19:28 | 1.00 | 0.809 | 1.00 | 137.00 | 150.00 | 1.009 | 1.105 | 0.91 |
| 41 | 19:47 | 0.99 | 0.822 | 0.99 | 14.46 | 150.00 | 0.017 | 0.180 | 0.10 |
| 42 | 20:01 | 1.00 | 0.832 | 1.00 | 152.92 | 150.00 | 0.874 | 0.858 | 1.02 |
| 43 | 20:24 | 1.00 | 0.847 | 1.00 | 161.35 | 150.00 | 0.063 | 0.059 | 1.08 |
| 44 | 20:28 | 1.00 | 0.851 | 1.00 | 155.19 | 150.00 | 0.506 | 0.489 | 1.03 |
| 45 | 20:49 | 1.00 | 0.865 | 1.00 | 137.58 | 150.00 | 0.234 | 0.255 | 0.92 |
| 46 | 21:27 | 1.00 | 0.891 | 1.00 | 151.41 | 150.00 | 0.865 | 0.857 | 1.01 |
| 47 | 21:35 | 1.00 | 0.897 | 1.00 | 148.04 | 150.00 | 0.525 | 0.532 | 0.99 |
| 48 | 21:38 | 1.00 | 0.899 | 1.00 | 125.13 | 150.00 | 0.969 | 1.161 | 0.83 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 49 | 21:56 | 1.00 | 0.911 | 1.00 | 163.00 | 150.00 | 0.117 | 0.107 | 1.09 |
| 50 | 22:00 | 1.00 | 0.914 | 1.00 | 141.93 | 150.00 | 0.184 | 0.195 | 0.95 |
| 51 | 22:00 | 1.00 | 0.914 | 1.00 | 154.40 | 150.00 | 0.260 | 0.253 | 1.03 |
| 52 | 22:56 | 1.00 | 0.953 | 1.00 | 149.22 | 150.00 | 0.268 | 0.269 | 0.99 |
| 53 | 23:14 | 1.00 | 0.965 | 1.00 | 143.00 | 150.00 | 0.353 | 0.370 | 0.95 |
| 54 | 23:52 | 1.00 | 0.991 | 1.00 | 139.28 | 150.00 | 0.139 | 0.150 | 0.93 |
| 55 | 24:10 | 1.00 | 1.004 | 1.00 | 134.56 | 150.00 | 1.210 | 1.349 | 0.90 |
| 56 | 24:17 | 1.00 | 1.009 | 1.00 | 134.78 | 150.00 | 0.941 | 1.047 | 0.90 |
| 57 | 26:21 | 1.00 | 1.095 | 1.00 | 126.18 | 150.00 | 1.202 | 1.428 | 0.84 |
| 58 | 27:39 | 1.00 | 1.149 | 1.00 | 143.92 | 150.00 | 1.246 | 1.299 | 0.96 |
| 59 | 18:04 | 1.00 | 0.751 | 1.00 | 154.71 | 150.00 | 0.285 | 0.276 | 1.03 |
| 60 | 18:56 | 1.00 | 0.787 | 1.00 | 137.49 | 150.00 | 0.145 | 0.158 | 0.92 |
| 61 | 20:01 | 1.00 | 0.832 | 1.00 | 150.27 | 150.00 | 0.005 | 0.005 | 1.00 |
| 62 | 20:28 | 1.00 | 0.851 | 1.00 | 142.97 | 150.00 | 1.165 | 1.222 | 0.95 |
| 63 | 22:00 | 0.99 | 0.914 | 0.99 | 206.12 | 150.00 | 0.002 | 0.001 | 1.37 |
| 64 | 22:13 | 1.00 | 0.923 | 1.00 | 69.70 | 75.00 | ~~0.122~~ | 0.132 | 0.93 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 1.00 | 0.887 | 1.00 | 129.20 | 150.00 | 1.802 | 2.092 | 0.86 |
| 67 | 30:41 | 1.00 | 0.963 | 1.00 | 136.99 | 150.00 | 1.071 | 1.173 | 0.91 |
| 68 | 31:49 | 1.00 | 0.999 | 1.00 | 143.15 | 150.00 | 0.929 | 0.973 | 0.95 |
| 69 | 32:02 | 1.00 | 1.005 | 1.00 | 47.04 | 150.00 | 0.044 | 0.140 | 0.31 |
| 70 | 31:57 | 1.00 | 1.003 | 1.00 | 152.44 | 150.00 | 1.058 | 1.041 | 1.02 |
| 71 | 32:33 | 1.00 | 1.022 | 1.00 | 113.71 | 150.00 | 0.948 | 1.251 | 0.76 |
| 72 | 28:56 | 1.00 | 0.908 | 1.00 | 69.67 | 75.00 | ~~1.170~~ | 1.260 | 0.93 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 1.00 | 1.076 | 1.00 | 126.41 | 150.00 | 1.215 | 1.442 | 0.84 |
| 75 | 34:50 | 1.00 | 1.093 | 1.00 | 1892.05 | 150.00 | 1.065 | 0.084 | 12.61 |
| 76 | 34:55 | 1.00 | 1.096 | 1.00 | 1139.76 | 150.00 | 1.065 | 0.140 | 7.60 |
| 77 | 35:38 | 1.00 | 1.119 | 1.00 | 123.21 | 150.00 | 0.374 | 0.455 | 0.82 |
| 78 | 39:06 | 1.00 | 1.227 | 1.00 | 100.01 | 150.00 | 0.169 | 0.254 | 0.67 |
| 79 | 39:13 | 1.00 | 1.231 | 1.00 | 94.82 | 150.00 | 0.162 | 0.257 | 0.63 |
| 80 | 40:03 | 1.00 | 1.257 | 1.00 | 83.13 | 150.00 | 0.158 | 0.285 | 0.55 |

For 77056-1 only

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

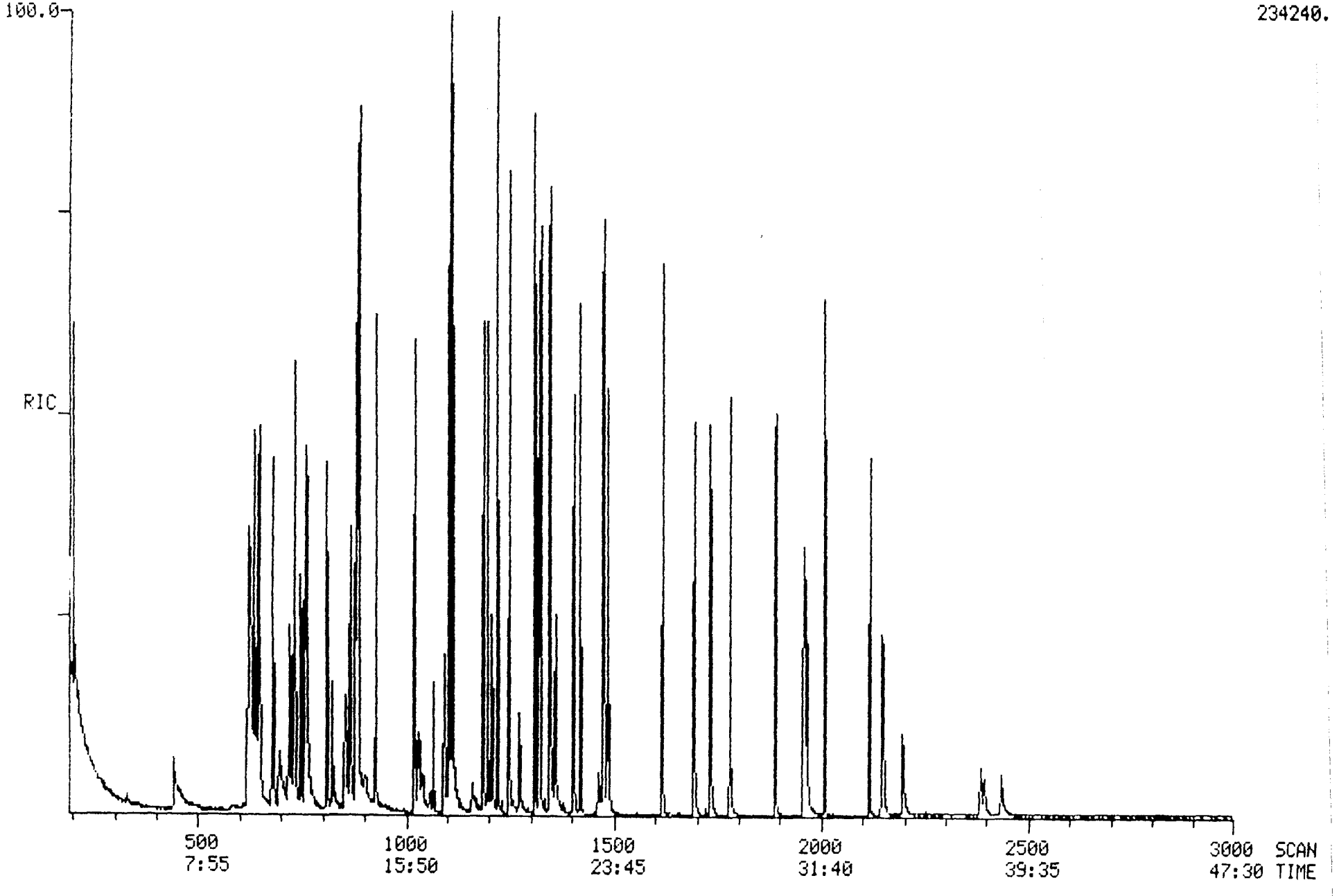
CASE NO. 2459 CONTRACT LAB USTCO CONTRACT NO. 68-01-6726
INSTRUMENT IDENTIFIER ABN CALIBRATION DATE 3/8/84

| COMPOUND | AVG RRT | RF-20 | RF-100 | RF-150 | AVG RF | SPCC |
|---|---|---|---|---|---|---|
| N-NITROSODIMETHYLAMINE | .322 | .389 | .498 | .524 | .470 | |
| BIS(2-CHLOROETHYL)ETHER | .969 | 1.312 | 1.371 | 1.206 | 1.296 | |
| 2-CHLOROPHENOL | .963 | 1.109 | 1.211 | 1.202 | 1.174 | |
| PHENOL | .972 | 1.061 | 1.359 | 1.459 | 1.293 | |
| 1,3-DICHLOROBENZENE | .988 | 1.355 | 1.445 | 1.437 | 1.412 | |
| 1,4-DICHLOROBENZENE | 1.006 | 1.476 | 1.358 | 1.343 | 1.392 | |
| 1,2-DICHLOROBENZENE | 1.056 | 1.417 | 1.387 | 1.231 | 1.345 | |
| BIS(2-CHLOROISOPROPYL) ETHER | .818 | .132 | .139 | .118 | .130 | |
| HEXACHLOROETHANE | .830 | .196 | .167 | .138 | .167 | |
| N-NITROSO-DI-N-PROPYLAMINE | .856 | .077 | .299 | .246 | .207 | |
| NITROBENZENE | .865 | .456 | .518 | .448 | .474 | |
| ISOPHORONE | .921 | .717 | .747 | .605 | .690 | |
| 2-NITROPHENOL | .932 | .208 | .290 | .224 | .241 | |
| 2,4-DIMETHYLPHENOL | .647 | 0.000 | .297 | .290 | .196 | |
| BIS(2-CHLOROETHOXY)METHANE | .979 | .466 | .433 | .052 | .317 | |
| 2,4-DICHLOROPHENOL | .993 | .103 | .297 | .292 | .231 | |
| 1,2,4-TRICHLOROBENZENE | .995 | .449 | .414 | .364 | .409 | |
| NAPHTHALENE | 1.005 | 1.390 | .976 | .998 | 1.121 | |
| HEXABUTADIENE | 1.050 | .260 | .238 | .197 | .232 | |
| 4-CHLORO-M-CRESOL | 1.160 | .195 | .924 | .862 | .660 | |
| HEXACHLOROPENTADIENE | 1.207 | .060 | .099 | .110 | .090 | |
| 2,4,6-TRICHLOROPHENOL | 1.236 | .182 | .252 | .190 | .208 | |
| 2-CHLORONAPHTHALENE | .741 | .031 | .036 | .028 | .032 | |
| ACENAPHTHYLENE | .804 | 1.144 | 1.016 | .815 | .992 | |
| DIMETHYL PHTHALATE | .813 | 1.002 | .881 | .757 | .880 | |
| 2,6-DINITROTOLUENE | .813 | .009 | .017 | .015 | .014 | |
| ACENAPHTHENE | .828 | .829 | .766 | .607 | .734 | |
| 2,4-DINITROPHENOL | .564 | 0.000 | .043 | .060 | .034 | |
| 2,4-DINITROTOLUENE | .865 | .168 | .229 | .224 | .207 | |
| 4-NITROPHENOL | .848 | .413 | .416 | .376 | .402 | |
| FLUORENE | .889 | .807 | .711 | .651 | .723 | |
| 4-CHLOROPHENYLPHENYLETHER | .895 | .485 | .495 | .385 | .455 | |
| DIETHYL PHTHALATE | .899 | 1.052 | .873 | .750 | .892 | |
| 4,6-DINITRO-O-CRESOL | .912 | .010 | .098 | .108 | .072 | |
| DIPHENYLAMINE | .914 | .327 | .258 | .175 | .253 | |
| AZOBENZENE | .914 | .243 | .236 | .198 | .226 | |
| 4-BROMOPHENYLPHENYLETHER | .953 | .246 | .255 | .239 | .247 | |
| HEXACHLOROBENZENE | .964 | .356 | .326 | .312 | .331 | |
| PENTACHLOROPHENOL | .993 | .086 | .135 | .156 | .126 | |
| PHENANTHRENE | 1.004 | 1.195 | 1.042 | 1.034 | 1.090 | |
| ANTHRACENE | 1.009 | 1.011 | .877 | .809 | .899 | |
| DIBUTYL PHTHALATE | 1.038 | 1.339 | 1.065 | 1.004 | 1.136 | |
| FLUORANTHENE | 1.151 | 1.075 | 1.059 | 1.065 | 1.066 | |

RIC
03/08/84 9:00:00
SAMPLE: 20UG/ML ABN STD
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD115 #1
CALI: STD115 #1

SCANS 190 TO 3000



QUANTITATION REPORT  FILE: STD115

DATA: STD115.TI
03/08/84  9:00:00
SAMPLE: 20UG/ML ABN STD
SUBMITTED BY:  ANALYST: SCP

AMOUNT=AREA(HGHT) * REF.AMNT/(REF.AREA(HGHT)* RESP.FACT)
RESP. FAC. FROM LINEAR FIT TO WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 643 | 10:11 | 1 | 1.000 | A BB | 61843. | 20.000 | UG/ML | 1.62 |
| 2 | 136 | 882 | 13:58 | 2 | 1.000 | A BV | 167540. | 20.000 | UG/ML | 1.62 |
| 3 | 188 | 1474 | 23:20 | 3 | 1.000 | A BV | 140791. | 20.000 | UG/ML | 1.62 |
| 4 | 240 | 1960 | 31:02 | 4 | 1.000 | A BB | 72994. | 20.000 | UG/ML | 1.62 |
| 5 | 74 | 202 | 3:12 | 1 | 0.314 | A BB | 24062. | 17.801 | UG/ML | 1.44 |
| 6 | 128 | 619 | 9:48 | 1 | 0.963 | A BB | 68577. | 18.924 | UG/ML | 1.53 |
| 7 | 94 | 625 | 9:54 | 1 | 0.972 | A*BB | 65603. | 17.501 | UG/ML | 1.42 |
| 8 | 93 | 621 | 9:50 | 1 | 0.966 | A BB | 81161. | 16.934 | UG/ML | 1.37 |
| 9 | 146 | 635 | 10:03 | 1 | 0.988 | A BV | 83817. | 18.552 | UG/ML | 1.50 |
| 10 | 146 | 646 | 10:14 | 1 | 1.005 | A VB | 91270. | 18.374 | UG/ML | 1.49 |
| 11 | 146 | 679 | 10:45 | 1 | 1.056 | A BV | 87644. | 20.699 | UG/ML | 1.68 |
| 12 | 93 | 621 | 9:50 | 1 | 0.966 | A BB | 81161. | 65.036 | UG/ML | 5.27 |
| 13 | 79 | 696 | 11:01 | 1 | 1.082 | A BB | 24809. | 16.935 | UG/ML | 1.37 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 14 | 112 | 443 | 7:01 | 1 | ~~0.689~~ | A BV | 34927. | 20.795 UG/ML | 1.69 |
| 15 | 99 | 624 | 9:53 | 1 | ~~0.970~~ | A BB | 77143. | 19.987 UG/ML | 1.62 |
| 16 | 121 | 720 | 11:24 | 2 | 0.816 | A BB | 22135. | 17.329 UG/ML | 1.40 |
| 17 | 201 | 732 | 11:35 | 2 | 0.830 | A BB | 32816. | 21.815 UG/ML | 1.77 |
| 18 | 70 | 757 | 11:59 | 2 | 0.858 | A VB | 12948. | 4.062 UG/ML | 0.33 |
| 19 | 77 | 760 | 12:02 | 2 | 0.862 | A BV | 76430. | 20.705 UG/ML | 1.68 |
| 20 | 82 | 809 | 12:49 | 2 | 0.917 | A BB | 120100. | 17.372 UG/ML | 1.41 |
| 21 | 139 | 821 | 13:00 | 2 | 0.931 | A BB | 34858. | 25.318 UG/ML | 2.05 |
| 22 | NOT | FOUND | | | | | | | |
| 23 | 93 | 864 | 13:41 | 2 | 0.980 | A BV | 78011. | 15.142 UG/ML | 1.23 |
| 24 | 162 | 881 | 13:57 | 2 | 0.999 | A BV | 17280. | 16.657 UG/ML | 1.35 |
| 25 | 180 | 878 | 13:54 | 2 | 0.995 | A BB | 75230. | 21.439 UG/ML | 1.74 |
| 26 | 128 | 886 | 14:02 | 2 | 1.005 | A VV | 232853. | 17.452 UG/ML | 1.41 |
| 27 | 225 | 927 | 14:41 | 2 | 1.051 | A BB | 43609. | 18.523 UG/ML | 1.50 |
| 28 | 142 | 1029 | 16:18 | 2 | 1.167 | A*VV | 32606. | 4.712 UG/ML | 0.38 |
| 29 | 237 | 1067 | 16:54 | 2 | 1.210 | A BB | 10008. | 27.402 UG/ML | 2.22 |
| 30 | 196 | 1091 | 17:16 | 2 | 1.237 | A BV | 30544. | 23.043 UG/ML | 1.87 |
| 31 | 108 | 728 | 11:32 | 2 | 0.825 | A BB | 46642. | 17.859 UG/ML | 1.45 |
| 32 | 107 | 760 | 12:02 | 2 | 0.862 | A BB | 53455. | 17.477 UG/ML | 1.42 |
| 33 | NOT | FOUND | | | | | | | |
| 34 | 127 | 946 | 14:59 | 2 | 1.073 | A*BV | 2629. | 28.346 UG/ML | 2.30 |
| 35 | 142 | 1029 | 16:18 | 2 | 1.167 | A*VV | 32606. | 18.167 UG/ML | 1.47 |
| 36 | 82 | 757 | 11:59 | 2 | ~~0.858~~ | A BV | 74870. | 23.866 UG/ML | 1.93 |
| 37 | 172 | 1105 | 17:30 | 2 | ~~1.253~~ | A BV | 164272. | 25.133 UG/ML | 2.04 |
| 38 | 162 | 1091 | 17:16 | 3 | 0.740 | A BV | 4342. | 17.674 UG/ML | 1.43 |
| 39 | 163 | 1196 | 18:56 | 3 | 0.811 | A BB | 141052. | 16.738 UG/ML | 1.36 |
| 40 | 152 | 1185 | 18:46 | 3 | 0.804 | A BV | 161004. | 17.402 UG/ML | 1.41 |
| 41 | 165 | 1196 | 18:56 | 3 | 0.811 | A BB | 1292. | 0.984 UG/ML | 0.08 |
| 42 | 153 | 1219 | 19:18 | 3 | 0.827 | A BB | 116670. | 16.211 UG/ML | 1.31 |
| 43 | NOT | FOUND | | | | | | | |
| 44 | 139 | 1249 | 19:47 | 3 | 0.847 | A BB | 58191. | 16.355 UG/ML | 1.33 |
| 45 | 165 | 1272 | 20:08 | 3 | 0.863 | A BB | 23674. | 18.568 UG/ML | 1.50 |
| 46 | 166 | 1309 | 20:44 | 3 | 0.888 | A BV | 113673. | 17.869 UG/ML | 1.45 |
| 47 | 204 | 1319 | 20:53 | 3 | 0.895 | A BB | 68289. | 17.611 UG/ML | 1.43 |
| 48 | 149 | 1323 | 20:57 | 3 | 0.898 | A BB | 148043. | 16.237 UG/ML | 1.32 |
| 49 | 198 | 1345 | 21:18 | 3 | 0.912 | A BV | 6912. | 18.056 UG/ML | 1.46 |
| 50 | 169 | 1346 | 21:19 | 3 | 0.913 | A BV | 46042. | 25.550 UG/ML | 2.07 |
| 51 | 182 | 1345 | 21:18 | 3 | 0.912 | A BB | 34278. | 19.541 UG/ML | 1.58 |
| 52 | 248 | 1404 | 22:14 | 3 | 0.953 | A BB | 34622. | 18.749 UG/ML | 1.52 |
| 53 | 284 | 1420 | 22:29 | 3 | 0.963 | A BB | 50164. | 17.122 UG/ML | 1.39 |
| 54 | 266 | 1463 | 23:10 | 3 | 0.993 | A BB | 12100. | 18.935 UG/ML | 1.53 |
| 55 | 178 | 1478 | 23:24 | 3 | 1.003 | A BV | 168299. | 17.292 UG/ML | 1.40 |
| 56 | 178 | 1486 | 23:32 | 3 | 1.008 | A VV | 142393. | 17.263 UG/ML | 1.40 |
| 57 | 149 | 1619 | 25:38 | 3 | 1.098 | A BB | 188560. | 16.939 UG/ML | 1.37 |
| 58 | 202 | 1694 | 26:49 | 3 | 1.149 | A BB | 151316. | 17.902 UG/ML | 1.45 |
| 59 | 196 | 1091 | 17:16 | 3 | 0.740 | A BV | 30544. | 20.636 UG/ML | 1.67 |
| 60 | 138 | 1161 | 18:23 | 3 | 0.788 | A*BV | 9694. | 20.403 UG/ML | 1.65 |
| 61 | 65 | 1206 | 19:06 | 3 | 0.818 | A*BB | 2375. | 62.334 UG/ML | 5.05 |
| 62 | 168 | 1249 | 19:47 | 3 | 0.847 | A BB | 164273. | 18.065 UG/ML | 1.46 |
| 63 | 138 | 1382 | 21:53 | 3 | 0.938 | A BB | 241. | -3.083 UG/ML | -0.24 |
| 64 | NOT | FOUND | | | | | | | |
| 65 | NOT | FOUND | | | | | | | |
| 66 | 202 | 1733 | 27:26 | 4 | 0.884 | A BB | 156151. | 18.835 UG/ML | 1.53 |
| 67 | 149 | 1890 | 29:55 | 4 | 0.964 | A BB | 73909. | 20.406 UG/ML | 1.65 |
| 68 | 228 | 1957 | 30:59 | 4 | 0.998 | A BV | 63662. | 19.476 UG/ML | 1.58 |
| 69 | NOT | FOUND | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 70 | 228 | 1964 | 31:06 | 4 | 1.002 | A VB | 88025. | 19.549 | UG/ML | 1.58 |
| 71 | 149 | 2009 | 31:49 | 4 | 1.025 | A BV | 80936. | 20.159 | UG/ML | 1.63 |
| 72 | 244 | 1780 | 28:11 | 4 | ~~0.908~~ | A BB | 120916. | 26.923 | UG/ML | 2.18 |
| 73 | NOT FOUND | | | | | | | | | |
| 74 | 149 | 2118 | 33:32 | 4 | 1.081 | A BB | 111181. | 23.962 | UG/ML | 1.94 |
| 75 | 252 | 2146 | 33:59 | 4 | 1.095 | A*BB | 108800. | -35.966 | UG/ML | -2.90 |
| 76 | 252 | 2146 | 33:59 | 4 | 1.095 | A*BB | 108800. | -151.339 | UG/ML | *-12. |
| 77 | 252 | 2197 | 34:47 | 4 | 1.121 | A BB | 41129. | 20.587 | UG/ML | 1.67 |
| 78 | 276 | 2386 | 37:47 | 4 | 1.217 | A BV | 22821. | 24.650 | UG/ML | 2.00 |
| 79 | 278 | 2394 | 37:54 | 4 | 1.221 | A BV | 23342. | 26.110 | UG/ML | 2.12 |
| 80 | 276 | 2436 | 38:34 | 4 | 1.243 | A BB | 28778. | 26.016 | UG/ML | 2.11 |

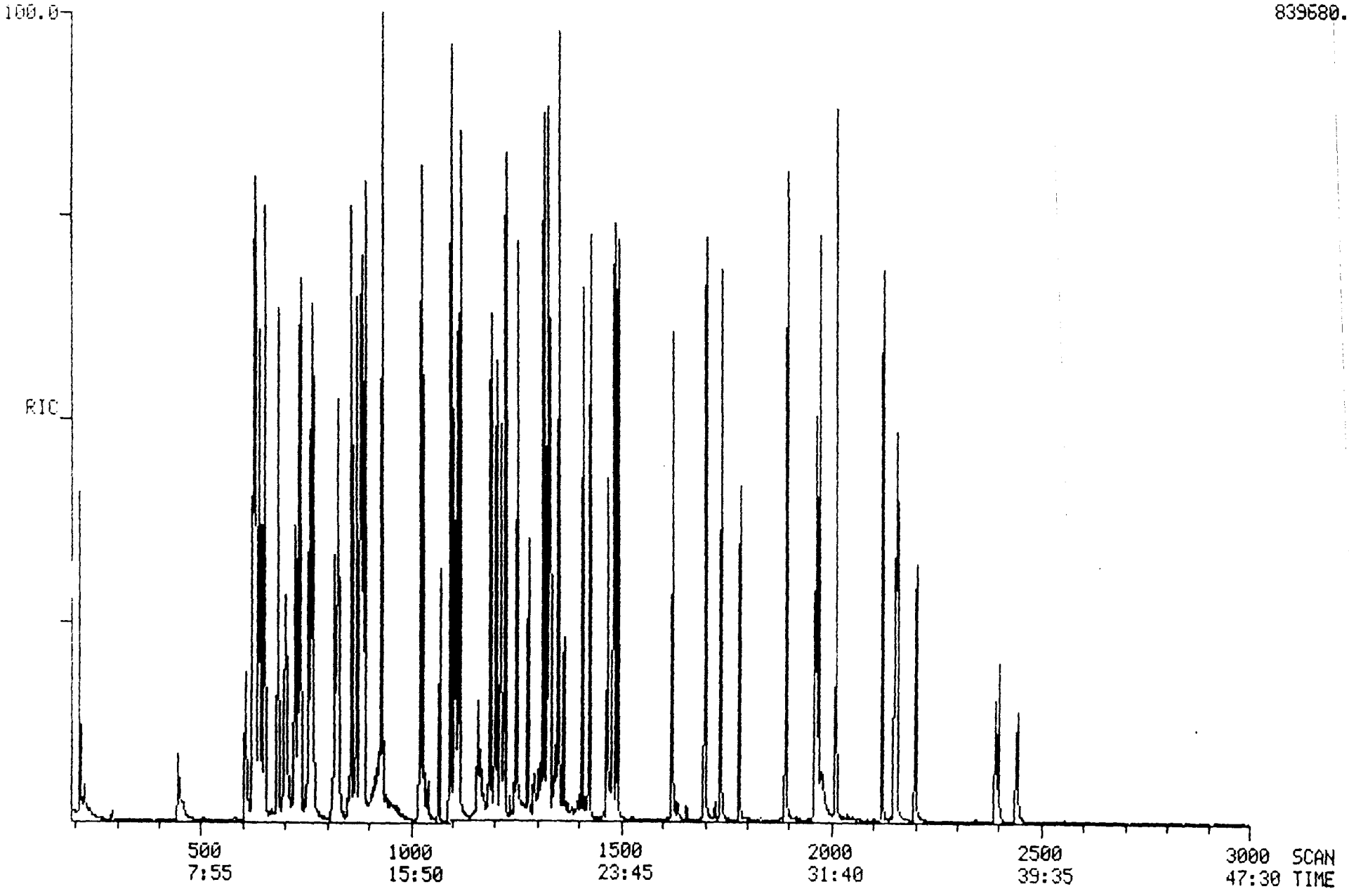
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 0.94 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 0.95 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 0.97 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 0.97 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 0.82 | 0.358 | 0.88 | 17.80 | 20.00 | 0.389 | 0.437 | 0.89 |
| 6 | 10:30 | 0.93 | 0.965 | 1.00 | 18.92 | 20.00 | 1.109 | 1.172 | 0.95 |
| 7 | 10:35 | 0.94 | 0.972 | 1.00 | 17.50 | 20.00 | 1.061 | 1.212 | 0.88 |
| 8 | 10:33 | 0.93 | 0.969 | 1.00 | 16.93 | 20.00 | 1.312 | 1.550 | 0.85 |
| 9 | 10:46 | 0.93 | 0.990 | 1.00 | 18.55 | 20.00 | 1.355 | 1.461 | 0.93 |
| 10 | 10:57 | 0.93 | 1.007 | 1.00 | 18.37 | 20.00 | 1.476 | 1.606 | 0.92 |
| 11 | 11:28 | 0.94 | 1.054 | 1.00 | 20.70 | 20.00 | 1.417 | 1.369 | 1.03 |
| 12 | 10:15 | 0.96 | 0.942 | 1.03 | 65.04 | 20.00 | 1.312 | 0.404 | 3.25 |
| 13 | 11:41 | 0.94 | 1.074 | 1.01 | 16.93 | 20.00 | 0.401 | 0.474 | 0.85 |
| 14 | 7:44 | 0.91 | 0.710 | 0.97 | 20.79 | 25.00 | ~~0.452~~ | 0.543 | 0.83 |
| 15 | 10:31 | 0.94 | 0.967 | 1.00 | 19.99 | 25.00 | ~~0.998~~ | 1.248 | 0.80 |
| 16 | 12:04 | 0.94 | 0.821 | 0.99 | 17.33 | 20.00 | 0.132 | 0.152 | 0.87 |
| 17 | 12:18 | 0.94 | 0.837 | 0.99 | 21.81 | 20.00 | 0.196 | 0.180 | 1.09 |
| 18 | 12:35 | 0.95 | 0.857 | 1.00 | 4.06 | 20.00 | 0.077 | 0.381 | 0.20 |
| 19 | 12:47 | 0.94 | 0.870 | 0.99 | 20.71 | 20.00 | 0.456 | 0.441 | 1.04 |
| 20 | 13:33 | 0.95 | 0.922 | 0.99 | 17.37 | 20.00 | 0.717 | 0.825 | 0.87 |
| 21 | 13:42 | 0.95 | 0.932 | 1.00 | 25.32 | 20.00 | 0.208 | 0.164 | 1.27 |
| 22 | 14:10 | | 0.964 | | | 20.00 | | 0.325 | |
| 23 | 14:24 | 0.95 | 0.980 | 1.00 | 15.14 | 20.00 | 0.466 | 0.615 | 0.76 |
| 24 | 14:31 | 0.96 | 0.988 | 1.01 | 16.66 | 20.00 | 0.103 | 0.124 | 0.83 |
| 25 | 14:37 | 0.95 | 0.995 | 1.00 | 21.44 | 20.00 | 0.449 | 0.419 | 1.07 |
| 26 | 14:45 | 0.95 | 1.004 | 1.00 | 17.45 | 20.00 | 1.390 | 1.593 | 0.87 |
| 27 | 15:23 | 0.95 | 1.047 | 1.00 | 18.52 | 20.00 | 0.260 | 0.281 | 0.93 |
| 28 | 16:54 | 0.96 | 1.150 | 1.01 | 4.71 | 20.00 | 0.195 | 0.826 | 0.24 |
| 29 | 17:35 | 0.96 | 1.197 | 1.01 | 27.40 | 20.00 | 0.060 | 0.044 | 1.37 |
| 30 | 17:58 | 0.96 | 1.223 | 1.01 | 23.04 | 20.00 | 0.182 | 0.158 | 1.15 |
| 31 | 12:11 | 0.95 | 0.830 | 0.99 | 17.86 | 20.00 | 0.278 | 0.312 | 0.89 |
| 32 | 12:40 | 0.95 | 0.862 | 1.00 | 17.48 | 20.00 | 0.319 | 0.365 | 0.87 |
| 33 | 15:08 | | 1.030 | | | 20.00 | | 0.051 | |
| 34 | 15:40 | 0.96 | 1.066 | 1.01 | 28.35 | 20.00 | 0.016 | 0.011 | 1.42 |
| 35 | 16:54 | 0.96 | 1.150 | 1.01 | 18.17 | 20.00 | 0.195 | 0.214 | 0.91 |
| 36 | 12:41 | 0.95 | 0.863 | 0.99 | 23.87 | 25.00 | ~~0.358~~ | 0.374 | 0.95 |
| 37 | 18:10 | 0.96 | 1.236 | 1.01 | 25.13 | 25.00 | ~~0.784~~ | 0.780 | 1.01 |
| 38 | 17:58 | 0.96 | 0.747 | 0.99 | 17.67 | 20.00 | 0.031 | 0.035 | 0.88 |
| 39 | 19:37 | 0.97 | 0.815 | 1.00 | 16.74 | 20.00 | 1.002 | 1.197 | 0.84 |
| 40 | 19:28 | 0.96 | 0.809 | 0.99 | 17.40 | 20.00 | 1.144 | 1.314 | 0.87 |
| 41 | 19:47 | 0.96 | 0.822 | 0.99 | 0.98 | 20.00 | 0.009 | 0.186 | 0.05 |
| 42 | 20:01 | 0.96 | 0.832 | 0.99 | 16.21 | 20.00 | 0.829 | 1.022 | 0.81 |
| 43 | 20:24 | | 0.847 | | | 100.00 | | 0.040 | |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 44 | 20:28 | 0.97 | 0.851 | 1.00 | 16.36 | 20.00 | 0.413 | 0.505 | 0.82 |
| 45 | 20:49 | 0.97 | 0.865 | 1.00 | 18.57 | 20.00 | 0.168 | 0.181 | 0.93 |
| 46 | 21:27 | 0.97 | 0.891 | 1.00 | 17.87 | 20.00 | 0.807 | 0.904 | 0.89 |
| 47 | 21:35 | 0.97 | 0.897 | 1.00 | 17.61 | 20.00 | 0.485 | 0.551 | 0.88 |
| 48 | 21:38 | 0.97 | 0.899 | 1.00 | 16.24 | 20.00 | 1.052 | 1.295 | 0.81 |
| 49 | 21:56 | 0.97 | 0.911 | 1.00 | 18.06 | 100.00 | 0.010 | 0.054 | 0.18 |
| 50 | 22:00 | 0.97 | 0.914 | 1.00 | 25.55 | 20.00 | 0.327 | 0.256 | 1.28 |
| 51 | 22:00 | 0.97 | 0.914 | 1.00 | 19.54 | 20.00 | 0.243 | 0.249 | 0.98 |
| 52 | 22:56 | 0.97 | 0.953 | 1.00 | 18.75 | 20.00 | 0.246 | 0.262 | 0.94 |
| 53 | 23:14 | 0.97 | 0.965 | 1.00 | 17.12 | 20.00 | 0.356 | 0.416 | 0.86 |
| 54 | 23:52 | 0.97 | 0.991 | 1.00 | 18.93 | 20.00 | 0.086 | 0.091 | 0.95 |
| 55 | 24:10 | 0.97 | 1.004 | 1.00 | 17.29 | 20.00 | 1.195 | 1.383 | 0.86 |
| 56 | 24:17 | 0.97 | 1.009 | 1.00 | 17.26 | 20.00 | 1.011 | 1.172 | 0.86 |
| 57 | 26:21 | 0.97 | 1.095 | 1.00 | 16.94 | 20.00 | 1.339 | 1.581 | 0.85 |
| 58 | 27:39 | 0.97 | 1.149 | 1.00 | 17.90 | 20.00 | 1.075 | 1.201 | 0.90 |
| 59 | 18:04 | 0.96 | 0.751 | 0.99 | 20.64 | 20.00 | 0.217 | 0.210 | 1.03 |
| 60 | 18:56 | 0.97 | 0.787 | 1.00 | 20.40 | 20.00 | 0.069 | 0.067 | 1.02 |
| 61 | 20:01 | 0.95 | 0.832 | 0.98 | 62.33 | 20.00 | 0.017 | 0.005 | 3.12 |
| 62 | 20:28 | 0.97 | 0.851 | 1.00 | 18.06 | 20.00 | 1.167 | 1.292 | 0.90 |
| 63 | 22:00 | 0.99 | 0.914 | 1.03 | -3.07 | 100.00 | 0.000 | -0.010 | -0.02 |
| 64 | 22:13 | | 0.923 | | | 25.00 | — | 0.128 | |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 0.97 | 0.887 | 1.00 | 18.83 | 20.00 | 2.139 | 2.272 | 0.94 |
| 67 | 30:41 | 0.98 | 0.963 | 1.00 | 20.41 | 20.00 | 1.013 | 0.992 | 1.02 |
| 68 | 31:49 | 0.97 | 0.999 | 1.00 | 19.48 | 20.00 | 0.872 | 0.896 | 0.97 |
| 69 | 32:02 | | 1.005 | | | 20.00 | | 0.072 | |
| 70 | 31:57 | 0.97 | 1.003 | 1.00 | 19.55 | 20.00 | 1.206 | 1.234 | 0.98 |
| 71 | 32:33 | 0.98 | 1.022 | 1.00 | 20.16 | 20.00 | 1.109 | 1.100 | 1.01 |
| 72 | 28:56 | 0.97 | 0.908 | 1.00 | 26.92 | 25.00 | ~~1.325~~ | 1.231 | 1.08 |
| 73 | 31:07 | | 1.065 | | | 20.00 | — | 0.122 | |
| 74 | 34:17 | 0.98 | 1.076 | 1.00 | 23.96 | 20.00 | 1.523 | 1.271 | 1.20 |
| 75 | 34:50 | 0.98 | 1.093 | 1.00 | -35.96 | 20.00 | 1.491 | -0.828 | -1.79 |
| 76 | 34:55 | 0.97 | 1.096 | 1.00 | -151.33 | 20.00 | 1.491 | -0.196 | -7.56 |
| 77 | 35:38 | 0.98 | 1.119 | 1.00 | 20.59 | 20.00 | 0.563 | 0.547 | 1.03 |
| 78 | 39:06 | 0.97 | 1.227 | 0.99 | 24.65 | 20.00 | 0.313 | 0.254 | 1.23 |
| 79 | 39:13 | 0.97 | 1.231 | 0.99 | 26.11 | 20.00 | 0.320 | 0.245 | 1.31 |
| 80 | 40:03 | 0.96 | 1.257 | 0.99 | 26.02 | 20.00 | 0.394 | 0.303 | 1.30 |

RIC
03/08/84 8:03:00
SAMPLE: 100UG/ML ABN STD
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD117 #1
CALI: STD117 #1

SCANS 190 TO 3000



QUANTITATION REPORT FILE: STD117

DATA: STD117.TI
03/08/84 8:03:00
SAMPLE: 100UG/ML ABN STD
SUBMITTED BY: ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 647 | 10:15 | 1 | 1.000 | A BB | 77643. | 20.000 | UG/ML | 0.21 |
| 2 | 136 | 886 | 14:02 | 2 | 1.000 | A BB | 221525. | 20.000 | UG/ML | 0.21 |
| 3 | 188 | 1478 | 23:24 | 3 | 1.000 | A VV | 189649. | 20.000 | UG/ML | 0.21 |
| 4 | 240 | 1965 | 31:07 | 4 | 1.000 | A BV | 126678. | 20.000 | UG/ML | 0.21 |
| 5 | 74 | 211 | 3:20 | 1 | 0.326 | A BB | 193376. | 85.003 | UG/ML | 0.89 |
| 6 | 128 | 623 | 9:52 | 1 | 0.963 | A BB | 470271. | 94.640 | UG/ML | 0.99 |
| 7 | 94 | 631 | 9:59 | 1 | 0.975 | A BB | 527535. | 91.168 | UG/ML | 0.95 |
| 8 | 93 | 628 | 9:57 | 1 | 0.971 | A VB | 532421. | 90.474 | UG/ML | 0.95 |
| 9 | 146 | 639 | 10:07 | 1 | 0.988 | A BV | 560810. | 95.947 | UG/ML | 1.00 |
| 10 | 146 | 651 | 10:18 | 1 | 1.006 | A VB | 527117. | 88.453 | UG/ML | 0.93 |
| 11 | 146 | 683 | 10:49 | 1 | 1.056 | A BB | 538554. | 94.293 | UG/ML | 0.99 |
| 12 | 93 | 628 | 9:57 | 1 | 0.971 | A VB | 532421. | 182.861 | UG/ML | 1.91 |
| 13 | 79 | 702 | 11:07 | 1 | 1.085 | A BB | 302273. | 101.076 | UG/ML | 1.06 |
| 14 | 112 | 446 | 7:04 | 1 | ~~0.689~~ | A BB | 146526. | 47.076 | UG/ML | 0.49 |
| 15 | 99 | 627 | 9:56 | 1 | ~~0.969~~ | A BB | 255479. | 47.588 | UG/ML | 0.50 |
| 16 | 121 | 724 | 11:28 | 2 | 0.817 | A BV | 153879. | 106.338 | UG/ML | 1.11 |
| 17 | 201 | 735 | 11:38 | 2 | 0.830 | A BB | 184553. | 92.481 | UG/ML | 0.97 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 70 | 758 | 12:00 | 2 | 0.856 | A VV | 331164. | 106.463 | UG/ML | 1.11 |
| 19 | 77 | 768 | 12:10 | 2 | 0.867 | A BB | 573315. | 111.241 | UG/ML | 1.16 |
| 20 | 82 | 817 | 12:56 | 2 | 0.922 | A BB | 827836. | 106.496 | UG/ML | 1.11 |
| 21 | 139 | 827 | 13:06 | 2 | 0.933 | A BB | 321318. | 125.638 | UG/ML | 1.31 |
| 22 | 122 | 859 | 13:36 | 2 | 0.970 | A VB | 328622. | 95.535 | UG/ML | 1.00 |
| 23 | 93 | 871 | 13:47 | 2 | 0.983 | A BB | 479620. | 81.058 | UG/ML | 0.85 |
| 24 | 162 | 878 | 13:54 | 2 | 0.991 | A BB | 328732. | 107.295 | UG/ML | 1.12 |
| 25 | 180 | 882 | 13:58 | 2 | 0.995 | A BV | 458972. | 99.891 | UG/ML | 1.05 |
| 26 | 128 | 891 | 14:06 | 2 | 1.006 | A VB | 1081160. | 87.492 | UG/ML | 0.92 |
| 27 | 225 | 932 | 14:45 | 2 | 1.052 | A BB | 264078. | 100.312 | UG/ML | 1.05 |
| 28 | 142 | 1026 | 16:15 | 2 | 1.158 | A*BV | 1023540. | 107.126 | UG/ML | 1.12 |
| 29 | 237 | 1070 | 16:56 | 2 | 1.208 | A BB | 109678. | 125.037 | UG/ML | 1.31 |
| 30 | 196 | 1096 | 17:21 | 2 | 1.237 | A BV | 279645. | 125.321 | UG/ML | 1.31 |
| 31 | 108 | 733 | 11:36 | 2 | 0.827 | A*BB | 334718. | 98.250 | UG/ML | 1.03 |
| 32 | 107 | 765 | 12:07 | 2 | 0.863 | A BB | 428315. | 91.499 | UG/ML | 0.96 |
| 33 | 122 | 936 | 14:49 | 2 | 1.056 | A VB | 28068. | 83.613 | UG/ML | 0.87 |
| 34 | 127 | 945 | 14:58 | 2 | 1.067 | A*VV | 15290. | 181.851 | UG/ML | 1.90 |
| 35 | 142 | 1042 | 16:30 | 2 | 1.176 | A VB | 28125. | 18.336 | UG/ML | 0.19 |
| 36 | 82 | 762 | 12:04 | 2 | ~~0.860~~ | A BB | 206537. | 49.731 | UG/ML | 0.52 |
| 37 | 172 | 1109 | 17:34 | 2 | ~~1.252~~ | A BV | 438866. | 52.653 | UG/ML | 0.55 |
| 38 | 162 | 1096 | 17:21 | 3 | 0.742 | A VV | 33988. | 86.378 | UG/ML | 0.90 |
| 39 | 163 | 1203 | 19:03 | 3 | 0.814 | A VB | 835256. | 78.691 | UG/ML | 0.82 |
| 40 | 152 | 1190 | 18:50 | 3 | 0.805 | A BB | 963756. | 88.294 | UG/ML | 0.92 |
| 41 | 165 | 1203 | 19:03 | 3 | 0.814 | A BV | 15816. | 10.675 | UG/ML | 0.11 |
| 42 | 153 | 1225 | 19:24 | 3 | 0.829 | A BB | 726566. | 85.118 | UG/ML | 0.89 |
| 43 | 184 | 1252 | 19:49 | 3 | 0.847 | A BB | 40378. | 103.061 | UG/ML | 1.08 |
| 44 | 139 | 1254 | 19:51 | 3 | 0.848 | A VB | 394178. | 82.948 | UG/ML | 0.87 |
| 45 | 165 | 1280 | 20:16 | 3 | 0.866 | A VV | 216931. | 93.046 | UG/ML | 0.97 |
| 46 | 166 | 1316 | 20:50 | 3 | 0.890 | A VB | 674621. | 81.125 | UG/ML | 0.85 |
| 47 | 204 | 1324 | 20:58 | 3 | 0.896 | A VB | 468951. | 91.564 | UG/ML | 0.96 |
| 48 | 149 | 1330 | 21:03 | 3 | 0.900 | A VB | 827811. | 72.480 | UG/ML | 0.76 |
| 49 | 198 | 1349 | 21:22 | 3 | 0.913 | A VV | 92775. | 98.604 | UG/ML | 1.03 |
| 50 | 169 | 1352 | 21:24 | 3 | 0.915 | A VB | 244882. | 131.283 | UG/ML | 1.37 |
| 51 | 182 | 1353 | 21:25 | 3 | 0.915 | A VB | 223665. | 92.219 | UG/ML | 0.96 |
| 52 | 248 | 1409 | 22:19 | 3 | 0.953 | A VB | 241623. | 94.141 | UG/ML | 0.98 |
| 53 | 284 | 1427 | 22:36 | 3 | 0.965 | A VB | 309485. | 85.751 | UG/ML | 0.90 |
| 54 | 266 | 1467 | 23:14 | 3 | 0.993 | A BB | 127542. | 93.560 | UG/ML | 0.98 |
| 55 | 178 | 1484 | 23:30 | 3 | 1.004 | A VV | 987668. | 76.351 | UG/ML | 0.80 |
| 56 | 178 | 1493 | 23:38 | 3 | 1.010 | A VB | 831492. | 81.339 | UG/ML | 0.85 |
| 57 | 149 | 1625 | 25:44 | 3 | 1.099 | A BB | 1010100. | 71.552 | UG/ML | 0.75 |
| 58 | 202 | 1703 | 26:58 | 3 | 1.152 | A BV | 1003940. | 82.310 | UG/ML | 0.86 |
| 59 | 196 | 1096 | 17:21 | 3 | 0.742 | A BV | 279645. | 108.552 | UG/ML | 1.14 |
| 60 | 138 | 1159 | 18:21 | 3 | 0.784 | A BV | 133872. | 94.238 | UG/ML | 0.99 |
| 61 | 65 | 1214 | 19:13 | 3 | 0.821 | A BB | 10750. | 245.126 | UG/ML | 2.56 |
| 62 | 168 | 1254 | 19:51 | 3 | 0.848 | A VB | 890069. | 74.286 | UG/ML | 0.78 |
| 63 | 138 | 1385 | 21:56 | 3 | 0.937 | A BV | 12315. | -97.327 | UG/ML | -1.01 |
| 64 | NOT | FOUND | | | | | | | | |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1740 | 27:33 | 4 | 0.885 | A BB | 1065820. | 79.545 | UG/ML | 0.83 |
| 67 | 149 | 1895 | 30:00 | 4 | 0.964 | A BB | 593785. | 82.867 | UG/ML | 0.87 |
| 68 | 228 | 1963 | 31:05 | 4 | 0.999 | A BV | 631846. | 102.563 | UG/ML | 1.07 |
| 69 | 252 | 1977 | 31:18 | 4 | 1.006 | A BV | 55070. | 222.082 | UG/ML | 2.32 |
| 70 | 228 | 1972 | 31:13 | 4 | 1.004 | A VB | 733560. | 108.474 | UG/ML | 1.13 |
| 71 | 149 | 2013 | 31:52 | 4 | 1.024 | A BB | 562956. | 72.547 | UG/ML | 0.76 |
| 72 | 244 | 1783 | 28:14 | 4 | ~~0.907~~ | A BB | 347124. | 44.728 | UG/ML | 0.47 |
| 73 | NOT | FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 74 | 149 | 2122 | 33:36 | 4 | 1.080 | A BB | 771930. | 84.841 | UG/ML | 0.89 |
| 75 | 252 | 2157 | 34:09 | 4 | 1.098 | A BB | 922157. | 1710.340 | UG/ML | 17.89 |
| 76 | 252 | 2157 | 34:09 | 4 | 1.098 | A BB | 922157. | 1029.410 | UG/ML | 10.77 |
| 77 | 252 | 2202 | 34:52 | 4 | 1.121 | A BB | 356017. | 123.493 | UG/ML | 1.29 |
| 78 | 276 | 2393 | 37:53 | 4 | 1.218 | A BV | 209489. | 141.254 | UG/ML | 1.48 |
| 79 | 278 | 2400 | 38:00 | 4 | 1.221 | A BB | 211320. | 144.473 | UG/ML | 1.51 |
| 80 | 276 | 2444 | 38:42 | 4 | 1.244 | A BB | 221675. | 154.511 | UG/ML | 1.62 |

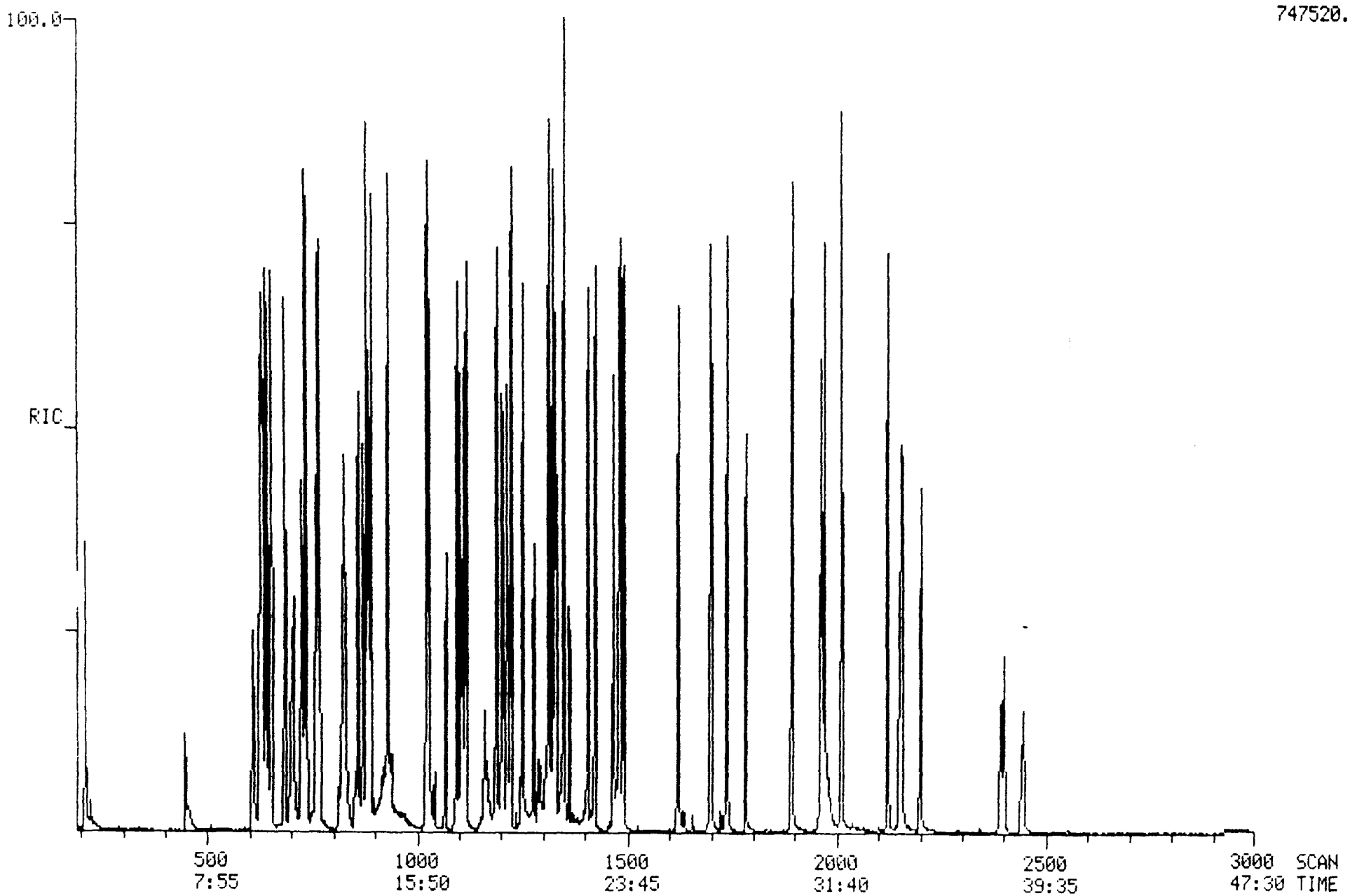
| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 0.94 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 0.95 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 0.97 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 0.98 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 0.86 | 0.358 | 0.91 | 85.00 | 100.00 | 0.498 | 0.586 | 0.85 |
| 6 | 10:30 | 0.94 | 0.965 | 1.00 | 94.64 | 100.00 | 1.211 | 1.280 | 0.95 |
| 7 | 10:35 | 0.94 | 0.972 | 1.00 | 91.17 | 100.00 | 1.359 | 1.491 | 0.91 |
| 8 | 10:33 | 0.94 | 0.969 | 1.00 | 90.47 | 100.00 | 1.371 | 1.516 | 0.90 |
| 9 | 10:46 | 0.94 | 0.990 | 1.00 | 95.95 | 100.00 | 1.445 | 1.506 | 0.96 |
| 10 | 10:57 | 0.94 | 1.007 | 1.00 | 88.45 | 100.00 | 1.358 | 1.535 | 0.88 |
| 11 | 11:28 | 0.94 | 1.054 | 1.00 | 94.29 | 100.00 | 1.387 | 1.471 | 0.94 |
| 12 | 10:15 | 0.97 | 0.942 | 1.03 | 182.86 | 100.00 | 1.371 | 0.750 | 1.83 |
| 13 | 11:41 | 0.95 | 1.074 | 1.01 | 101.08 | 100.00 | 0.779 | 0.770 | 1.01 |
| 14 | 7:44 | 0.91 | 0.710 | 0.97 | 47.08 | 50.00 | ~~0.755~~ | 0.802 | 0.94 |
| 15 | 10:31 | 0.94 | 0.967 | 1.00 | 47.59 | 50.00 | ~~1.816~~ | 1.383 | 0.95 |
| 16 | 12:04 | 0.95 | 0.821 | 1.00 | 106.34 | 100.00 | 0.139 | 0.131 | 1.06 |
| 17 | 12:18 | 0.95 | 0.837 | 0.99 | 92.48 | 100.00 | 0.167 | 0.180 | 0.92 |
| 18 | 12:35 | 0.95 | 0.857 | 1.00 | 106.46 | 100.00 | 0.299 | 0.281 | 1.06 |
| 19 | 12:47 | 0.95 | 0.870 | 1.00 | 111.24 | 100.00 | 0.518 | 0.465 | 1.11 |
| 20 | 13:33 | 0.95 | 0.922 | 1.00 | 106.50 | 100.00 | 0.747 | 0.702 | 1.06 |
| 21 | 13:42 | 0.96 | 0.932 | 1.00 | 125.64 | 100.00 | 0.290 | 0.231 | 1.26 |
| 22 | 14:10 | 0.96 | 0.964 | 1.01 | 95.53 | 100.00 | 0.297 | 0.311 | 0.96 |
| 23 | 14:24 | 0.96 | 0.980 | 1.00 | 81.06 | 100.00 | 0.433 | 0.534 | 0.81 |
| 24 | 14:31 | 0.96 | 0.988 | 1.00 | 107.29 | 100.00 | 0.297 | 0.277 | 1.07 |
| 25 | 14:37 | 0.96 | 0.995 | 1.00 | 99.89 | 100.00 | 0.414 | 0.415 | 1.00 |
| 26 | 14:45 | 0.96 | 1.004 | 1.00 | 87.49 | 100.00 | 0.976 | 1.116 | 0.87 |
| 27 | 15:23 | 0.96 | 1.047 | 1.00 | 100.31 | 100.00 | 0.238 | 0.238 | 1.00 |
| 28 | 16:54 | 0.96 | 1.150 | 1.01 | 107.13 | 100.00 | 0.924 | 0.863 | 1.07 |
| 29 | 17:35 | 0.96 | 1.197 | 1.01 | 125.04 | 100.00 | 0.099 | 0.079 | 1.25 |
| 30 | 17:58 | 0.97 | 1.223 | 1.01 | 125.32 | 100.00 | 0.252 | 0.201 | 1.25 |
| 31 | 12:11 | 0.95 | 0.830 | 1.00 | 98.25 | 100.00 | 0.302 | 0.308 | 0.98 |
| 32 | 12:40 | 0.96 | 0.862 | 1.00 | 91.50 | 100.00 | 0.387 | 0.423 | 0.91 |
| 33 | 15:08 | 0.98 | 1.030 | 1.03 | 83.61 | 100.00 | 0.025 | 0.030 | 0.84 |
| 34 | 15:40 | 0.96 | 1.066 | 1.00 | 181.85 | 100.00 | 0.014 | 0.008 | 1.82 |
| 35 | 16:54 | 0.98 | 1.150 | 1.02 | 18.34 | 100.00 | 0.025 | 0.138 | 0.18 |
| 36 | 12:41 | 0.95 | 0.863 | 1.00 | 49.73 | 50.00 | ~~0.373~~ | 0.375 | 0.99 |
| 37 | 18:10 | 0.97 | 1.236 | 1.01 | 52.65 | 50.00 | ~~0.792~~ | 0.753 | 1.05 |
| 38 | 17:58 | 0.97 | 0.747 | 0.99 | 86.38 | 100.00 | 0.036 | 0.041 | 0.86 |
| 39 | 19:37 | 0.97 | 0.815 | 1.00 | 78.69 | 100.00 | 0.081 | 1.119 | 0.79 |
| 40 | 19:28 | 0.97 | 0.809 | 1.00 | 88.29 | 100.00 | 1.016 | 1.151 | 0.88 |
| 41 | 19:47 | 0.96 | 0.822 | 0.99 | 10.68 | 100.00 | 0.017 | 0.156 | 0.11 |
| 42 | 20:01 | 0.97 | 0.832 | 1.00 | 85.12 | 100.00 | 0.766 | 0.900 | 0.85 |
| 43 | 20:24 | 0.97 | 0.847 | 1.00 | 103.06 | 100.00 | 0.043 | 0.041 | 1.03 |
| 44 | 20:28 | 0.97 | 0.851 | 1.00 | 82.95 | 100.00 | 0.416 | 0.501 | 0.83 |
| 45 | 20:49 | 0.97 | 0.865 | 1.00 | 93.05 | 100.00 | 0.229 | 0.246 | 0.93 |
| 46 | 21:27 | 0.97 | 0.891 | 1.00 | 81.13 | 100.00 | 0.711 | 0.877 | 0.81 |
| 47 | 21:35 | 0.97 | 0.897 | 1.00 | 91.56 | 100.00 | 0.495 | 0.540 | 0.92 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 48 | 21:38 | 0.97 | 0.899 | 1.00 | 72.48 | 100.00 | 0.873 | 1.204 | 0.72 |
| 49 | 21:56 | 0.97 | 0.911 | 1.00 | 98.60 | 100.00 | 0.098 | 0.099 | 0.99 |
| 50 | 22:00 | 0.97 | 0.914 | 1.00 | 131.28 | 100.00 | 0.258 | 0.197 | 1.31 |
| 51 | 22:00 | 0.97 | 0.914 | 1.00 | 92.22 | 100.00 | 0.236 | 0.256 | 0.92 |
| 52 | 22:56 | 0.97 | 0.953 | 1.00 | 94.14 | 100.00 | 0.255 | 0.271 | 0.94 |
| 53 | 23:14 | 0.97 | 0.965 | 1.00 | 85.75 | 100.00 | 0.326 | 0.381 | 0.86 |
| 54 | 23:52 | 0.97 | 0.991 | 1.00 | 93.56 | 100.00 | 0.135 | 0.144 | 0.94 |
| 55 | 24:10 | 0.97 | 1.004 | 1.00 | 76.35 | 100.00 | 1.042 | 1.364 | 0.76 |
| 56 | 24:17 | 0.97 | 1.009 | 1.00 | 81.34 | 100.00 | 0.877 | 1.078 | 0.81 |
| 57 | 26:21 | 0.98 | 1.095 | 1.00 | 71.55 | 100.00 | 1.065 | 1.489 | 0.72 |
| 58 | 27:39 | 0.98 | 1.149 | 1.00 | 82.31 | 100.00 | 1.059 | 1.286 | 0.82 |
| 59 | 18:04 | 0.96 | 0.751 | 0.99 | 108.55 | 100.00 | 0.295 | 0.272 | 1.09 |
| 60 | 18:56 | 0.97 | 0.787 | 1.00 | 94.24 | 100.00 | 0.141 | 0.150 | 0.94 |
| 61 | 20:01 | 0.96 | 0.832 | 0.99 | 245.13 | 100.00 | 0.011 | 0.005 | 2.45 |
| 62 | 20:28 | 0.97 | 0.851 | 1.00 | 74.29 | 100.00 | 0.939 | 1.264 | 0.74 |
| 63 | 22:00 | 1.00 | 0.914 | 1.03 | -97.32 | 100.00 | 0.013 | -0.012 | -0.96 |
| 64 | 22:13 | | 0.923 | | | 75.00 | | 0.128 | |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 0.97 | 0.887 | 1.00 | 79.54 | 100.00 | 1.683 | 2.115 | 0.80 |
| 67 | 30:41 | 0.98 | 0.963 | 1.00 | 82.87 | 100.00 | 0.937 | 1.131 | 0.83 |
| 68 | 31:49 | 0.98 | 0.999 | 1.00 | 102.56 | 100.00 | 0.998 | 0.973 | 1.03 |
| 69 | 32:02 | 0.98 | 1.005 | 1.00 | 222.08 | 100.00 | 0.087 | 0.039 | 2.22 |
| 70 | 31:57 | 0.98 | 1.003 | 1.00 | 108.47 | 100.00 | 1.158 | 1.068 | 1.08 |
| 71 | 32:33 | 0.98 | 1.022 | 1.00 | 72.55 | 100.00 | 0.889 | 1.225 | 0.73 |
| 72 | 28:56 | 0.98 | 0.908 | 1.00 | 44.73 | 50.00 | ~~1.096~~ | 1.225 | 0.89 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 0.98 | 1.076 | 1.00 | 84.84 | 100.00 | 1.219 | 1.436 | 0.85 |
| 75 | 34:50 | 0.98 | 1.093 | 1.00 | 1710.35 | 100.00 | 1.456 | 0.085 | 17.10 |
| 76 | 34:55 | 0.98 | 1.096 | 1.00 | 1029.42 | 100.00 | 1.456 | 0.141 | 10.29 |
| 77 | 35:38 | 0.98 | 1.119 | 1.00 | 123.49 | 100.00 | 0.562 | 0.455 | 1.23 |
| 78 | 39:06 | 0.97 | 1.227 | 0.99 | 141.25 | 100.00 | 0.331 | 0.234 | 1.41 |
| 79 | 39:13 | 0.97 | 1.231 | 0.99 | 144.47 | 100.00 | 0.334 | 0.231 | 1.44 |
| 80 | 40:03 | 0.97 | 1.257 | 0.99 | 154.51 | 100.00 | 0.350 | 0.227 | 1.55 |

RIC
03/08/84 9:58:00
SAMPLE: 150UG/ML ABN STD
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: STD116 #1
CALI: STD116 #1

SCANS 190 TO 3000



QUANTITATION REPORT  FILE: STD116

DATA: STD116.TI
03/08/84  9:58:00
SAMPLE: 150UG/ML ABN STD
SUBMITTED BY:  ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE  3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 648 | 10:16 | 1 | 1.000 | A BB | 48073. | 20.000 | UG/ML | 0.15 |
| 2 | 136 | 888 | 14:04 | 2 | 1.000 | A BV | 158208. | 20.000 | UG/ML | 0.15 |
| 3 | 188 | 1479 | 23:25 | 3 | 1.000 | A VV | 140422. | 20.000 | UG/ML | 0.15 |
| 4 | 240 | 1965 | 31:07 | 4 | 1.000 | A BV | 105057. | 20.000 | UG/ML | 0.15 |
| 5 | 74 | 211 | 3:20 | 1 | 0.326 | A BB | 188990. | 129.073 | UG/ML | 0.96 |
| 6 | 128 | 624 | 9:53 | 1 | 0.963 | A BV | 433366. | 141.889 | UG/ML | 1.05 |
| 7 | 94 | 633 | 10:01 | 1 | 0.977 | A BB | 525941. | 145.193 | UG/ML | 1.08 |
| 8 | 93 | 628 | 9:57 | 1 | 0.969 | A VB | 434664. | 121.481 | UG/ML | 0.90 |
| 9 | 146 | 640 | 10:08 | 1 | 0.988 | A BV | 518166. | 144.388 | UG/ML | 1.07 |
| 10 | 146 | 652 | 10:19 | 1 | 1.006 | A VB | 484207. | 136.368 | UG/ML | 1.01 |
| 11 | 146 | 684 | 10:50 | 1 | 1.056 | A BB | 443789. | 125.758 | UG/ML | 0.93 |
| 12 | 93 | 628 | 9:57 | 1 | 0.969 | A VB | 434664. | 232.568 | UG/ML | 1.72 |
| 13 | 79 | 703 | 11:08 | 1 | 1.085 | A BB | 296501. | 153.157 | UG/ML | 1.14 |
| 14 | 112 | 447 | 7:05 | 1 | ~~0.690~~ | A BB | 156259. | 69.440 | UG/ML | 0.51 |
| 15 | 99 | 631 | 9:59 | 1 | ~~0.974~~ | A BB | 244896. | 70.470 | UG/ML | 0.52 |
| 16 | 121 | 723 | 11:27 | 2 | 0.814 | A BV | 139688. | 136.765 | UG/ML | 1.01 |
| 17 | 201 | 736 | 11:39 | 2 | 0.829 | A BB | 163449. | 116.197 | UG/ML | 0.86 |
| 18 | 70 | 759 | 12:01 | 2 | 0.855 | A BV | 291383. | 133.586 | UG/ML | 0.99 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 77 | 768 | 12:10 | 2 | 0.865 | A BV | 531070. | 141.669 | UG/ML | 1.05 |
| 20 | 82 | 820 | 12:59 | 2 | 0.923 | A BB | 718284. | 131.334 | UG/ML | 0.97 |
| 21 | 139 | 827 | 13:06 | 2 | 0.931 | A BB | 266336. | 143.866 | UG/ML | 1.07 |
| 22 | 122 | 861 | 13:38 | 2 | 0.970 | A BB | 343933. | 138.733 | UG/ML | 1.03 |
| 23 | 93 | 864 | 13:41 | 2 | 0.973 | A BV | 61399. | 11.015 | UG/ML | 0.08 |
| 24 | 162 | 879 | 13:55 | 2 | 0.990 | A BV | 346097. | 152.884 | UG/ML | 1.13 |
| 25 | 180 | 884 | 14:00 | 2 | 0.995 | A BB | 431689. | 131.611 | UG/ML | 0.98 |
| 26 | 128 | 892 | 14:07 | 2 | 1.005 | A VB | 1184120. | 144.615 | UG/ML | 1.07 |
| 27 | 225 | 931 | 14:44 | 2 | 1.048 | A BB | 234089. | 125.827 | UG/ML | 0.93 |
| 28 | 142 | 1026 | 16:15 | 2 | 1.155 | A*BB | 1023370. | 149.732 | UG/ML | 1.11 |
| 29 | 237 | 1069 | 16:56 | 2 | 1.204 | A BB | 130730. | 199.292 | UG/ML | 1.48 |
| 30 | 196 | 1096 | 17:21 | 2 | 1.234 | A BV | 225684. | 140.661 | UG/ML | 1.04 |
| 31 | 108 | 734 | 11:37 | 2 | 0.827 | A BB | 332298. | 136.479 | UG/ML | 1.01 |
| 32 | 107 | 766 | 12:08 | 2 | 0.863 | A BB | 465181. | 136.124 | UG/ML | 1.01 |
| 33 | 122 | 940 | 14:53 | 2 | 1.059 | A VB | 61527. | 325.745 | UG/ML | 2.41 |
| 34 | 127 | 947 | 15:00 | 2 | 1.066 | A*VV | 25350. | 445.871 | UG/ML | 3.30 |
| 35 | 142 | 1042 | 16:30 | 2 | 1.173 | A BB | 21235. | 18.484 | UG/ML | 0.14 |
| 36 | 82 | 763 | 12:05 | 2 | ~~0.859~~ | A BB | 201088. | 67.592 | UG/ML | 0.50 |
| 37 | 172 | 1110 | 17:34 | 2 | ~~1.250~~ | A BV | 433212. | 74.358 | UG/ML | 0.55 |
| 38 | 162 | 1096 | 17:21 | 3 | 0.741 | A BB | 28979. | 98.724 | UG/ML | 0.73 |
| 39 | 163 | 1202 | 19:02 | 3 | 0.813 | A VB | 797502. | 102.745 | UG/ML | 0.76 |
| 40 | 152 | 1189 | 18:50 | 3 | 0.804 | A BB | 858091. | 108.437 | UG/ML | 0.80 |
| 41 | 165 | 1202 | 19:02 | 3 | 0.813 | A BV | 16210. | 13.282 | UG/ML | 0.10 |
| 42 | 153 | 1225 | 19:24 | 3 | 0.828 | A BV | 639113. | 103.029 | UG/ML | 0.76 |
| 43 | 184 | 1251 | 19:48 | 3 | 0.846 | A BB | 62754. | 155.441 | UG/ML | 1.15 |
| 44 | 139 | 1255 | 19:52 | 3 | 0.849 | A BV | 395633. | 113.995 | UG/ML | 0.84 |
| 45 | 165 | 1280 | 20:16 | 3 | 0.865 | A BB | 235446. | 131.903 | UG/ML | 0.98 |
| 46 | 166 | 1316 | 20:50 | 3 | 0.890 | A BB | 685097. | 112.794 | UG/ML | 0.84 |
| 47 | 204 | 1324 | 20:58 | 3 | 0.895 | A BB | 405861. | 107.663 | UG/ML | 0.80 |
| 48 | 149 | 1331 | 21:04 | 3 | 0.900 | A VB | 790114. | 95.385 | UG/ML | 0.71 |
| 49 | 198 | 1349 | 21:22 | 3 | 0.912 | A VB | 113509. | 151.827 | UG/ML | 1.13 |
| 50 | 169 | 1352 | 21:24 | 3 | 0.914 | A VV | 184394. | 133.848 | UG/ML | 0.99 |
| 51 | 182 | 1352 | 21:24 | 3 | 0.914 | A BB | 208408. | 116.711 | UG/ML | 0.87 |
| 52 | 248 | 1408 | 22:18 | 3 | 0.952 | A BB | 251895. | 133.103 | UG/ML | 0.99 |
| 53 | 284 | 1426 | 22:35 | 3 | 0.964 | A BB | 328311. | 125.562 | UG/ML | 0.93 |
| 54 | 266 | 1468 | 23:15 | 3 | 0.993 | A BB | 164080. | 154.248 | UG/ML | 1.14 |
| 55 | 178 | 1485 | 23:31 | 3 | 1.004 | A BV | 1088790. | 114.693 | UG/ML | 0.85 |
| 56 | 178 | 1493 | 23:38 | 3 | 1.009 | A VB | 851800. | 114.997 | UG/ML | 0.85 |
| 57 | 149 | 1624 | 25:43 | 3 | 1.098 | A BB | 1057250. | 104.207 | UG/ML | 0.77 |
| 58 | 202 | 1702 | 26:57 | 3 | 1.151 | A BB | 1121140. | 123.208 | UG/ML | 0.91 |
| 59 | 196 | 1096 | 17:21 | 3 | 0.741 | A BV | 225684. | 117.795 | UG/ML | 0.87 |
| 60 | 138 | 1159 | 18:21 | 3 | 0.784 | A BB | 184277. | 163.636 | UG/ML | 1.21 |
| 61 | 65 | 1215 | 19:14 | 3 | 0.822 | A BB | 10772. | 345.803 | UG/ML | 2.56 |
| 62 | 168 | 1254 | 19:51 | 3 | 0.848 | A BB | 963353. | 111.100 | UG/ML | 0.82 |
| 63 | 138 | 1379 | 21:50 | 3 | 0.932 | A*BV | 14324. | -314.874 | UG/ML | -2.32 |
| 64 | 330 | 1363 | 21:35 | 3 | ~~0.922~~ | A BB | 65985. | 71.255 | UG/ML | 0.53 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1740 | 27:33 | 4 | 0.885 | A BB | 1112710. | 100.750 | UG/ML | 0.75 |
| 67 | 149 | 1895 | 30:00 | 4 | 0.964 | A BB | 718163. | 117.642 | UG/ML | 0.87 |
| 68 | 228 | 1964 | 31:06 | 4 | 0.999 | A BV | 720725. | 140.985 | UG/ML | 1.05 |
| 69 | 252 | 1975 | 31:16 | 4 | 1.005 | A BB | 56808. | 398.456 | UG/ML | 2.95 |
| 70 | 228 | 1973 | 31:14 | 4 | 1.004 | A VB | 784775. | 142.964 | UG/ML | 1.06 |
| 71 | 149 | 2013 | 31:52 | 4 | 1.024 | A BB | 669471. | 102.317 | UG/ML | 0.76 |
| 72 | 244 | 1783 | 28:14 | 4 | ~~0.907~~ | A BB | 385506. | 58.795 | UG/ML | 0.44 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | 149 | 2123 | 33:37 | 4 | 1.080 | A BB | 873118. | 115.337 | UG/ML | 0.85 |

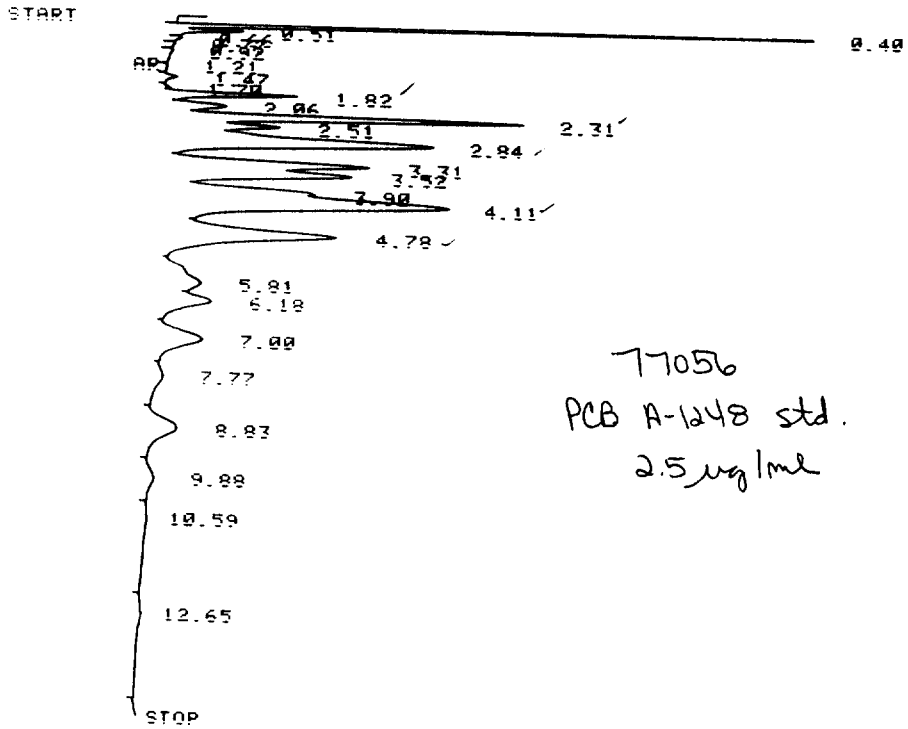
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 75 | 252 | 2155 | 34:07 | 4 | 1.097 | A BB | 1040510. | 2380.990 | UG/ML | 17.65 |
| 76 | 252 | 2155 | 34:07 | 4 | 1.097 | A BB | 1040510. | 1436.650 | UG/ML | 10.65 |
| 77 | 252 | 2203 | 34:53 | 4 | 1.121 | A BB | 403526. | 179.171 | UG/ML | 1.33 |
| 78 | 276 | 2394 | 37:54 | 4 | 1.218 | A BV | 250476. | 219.900 | UG/ML | 1.63 |
| 79 | 278 | 2401 | 38:01 | 4 | 1.222 | A BB | 229055. | 200.918 | UG/ML | 1.49 |
| 80 | 276 | 2446 | 38:44 | 4 | 1.245 | A BB | 249289. | 233.440 | UG/ML | 1.73 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R.FAC | R.FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10:53 | 0.94 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 2 | 14:42 | 0.96 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 3 | 24:04 | 0.97 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 4 | 31:51 | 0.98 | 1.000 | 1.00 | 20.00 | 20.00 | 1.000 | 1.000 | 1.00 |
| 5 | 3:54 | 0.86 | 0.358 | 0.91 | 129.07 | 150.00 | 0.524 | 0.609 | 0.86 |
| 6 | 10:30 | 0.94 | 0.965 | 1.00 | 141.89 | 150.00 | 1.202 | 1.271 | 0.95 |
| 7 | 10:35 | 0.95 | 0.972 | 1.00 | 145.19 | 150.00 | 1.454 | 1.507 | 0.97 |
| 8 | 10:33 | 0.94 | 0.969 | 1.00 | 121.48 | 150.00 | 1.206 | 1.489 | 0.81 |
| 9 | 10:46 | 0.94 | 0.990 | 1.00 | 144.39 | 150.00 | 1.437 | 1.493 | 0.96 |
| 10 | 10:57 | 0.94 | 1.007 | 1.00 | 136.37 | 150.00 | 1.343 | 1.477 | 0.91 |
| 11 | 11:28 | 0.94 | 1.054 | 1.00 | 125.76 | 150.00 | 1.231 | 1.468 | 0.84 |
| 12 | 10:15 | 0.97 | 0.942 | 1.03 | 232.57 | 150.00 | 1.206 | 0.778 | 1.55 |
| 13 | 11:41 | 0.95 | 1.074 | 1.01 | 153.16 | 150.00 | 0.822 | 0.805 | 1.02 |
| 14 | 7:44 | 0.92 | 0.710 | 0.97 | 69.44 | 75.00 | ~~0.867~~ | 0.936 | 0.93 |
| 15 | 10:31 | 0.95 | 0.967 | 1.01 | 70.47 | 75.00 | ~~1.358~~ | 1.446 | 0.94 |
| 16 | 12:04 | 0.95 | 0.821 | 0.99 | 136.77 | 150.00 | 0.118 | 0.129 | 0.91 |
| 17 | 12:18 | 0.95 | 0.837 | 0.99 | 116.20 | 150.00 | 0.138 | 0.178 | 0.77 |
| 18 | 12:35 | 0.95 | 0.857 | 1.00 | 133.59 | 150.00 | 0.246 | 0.276 | 0.89 |
| 19 | 12:47 | 0.95 | 0.870 | 0.99 | 141.67 | 150.00 | 0.448 | 0.474 | 0.94 |
| 20 | 13:33 | 0.96 | 0.922 | 1.00 | 131.33 | 150.00 | 0.605 | 0.691 | 0.88 |
| 21 | 13:42 | 0.96 | 0.932 | 1.00 | 143.87 | 150.00 | 0.224 | 0.234 | 0.96 |
| 22 | 14:10 | 0.96 | 0.964 | 1.01 | 138.73 | 150.00 | 0.290 | 0.313 | 0.92 |
| 23 | 14:24 | 0.95 | 0.980 | 0.99 | 11.01 | 150.00 | 0.052 | 0.705 | 0.07 |
| 24 | 14:31 | 0.96 | 0.988 | 1.00 | 152.88 | 150.00 | 0.292 | 0.286 | 1.02 |
| 25 | 14:37 | 0.96 | 0.995 | 1.00 | 131.61 | 150.00 | 0.364 | 0.415 | 0.88 |
| 26 | 14:45 | 0.96 | 1.004 | 1.00 | 144.62 | 150.00 | 0.998 | 1.035 | 0.96 |
| 27 | 15:23 | 0.96 | 1.047 | 1.00 | 125.83 | 150.00 | 0.197 | 0.235 | 0.84 |
| 28 | 16:54 | 0.96 | 1.150 | 1.00 | 149.73 | 150.00 | 0.862 | 0.864 | 1.00 |
| 29 | 17:35 | 0.96 | 1.197 | 1.01 | 199.29 | 150.00 | 0.110 | 0.083 | 1.33 |
| 30 | 17:58 | 0.97 | 1.223 | 1.01 | 140.66 | 150.00 | 0.190 | 0.203 | 0.94 |
| 31 | 12:11 | 0.95 | 0.830 | 1.00 | 136.48 | 150.00 | 0.280 | 0.308 | 0.91 |
| 32 | 12:40 | 0.96 | 0.862 | 1.00 | 136.12 | 150.00 | 0.392 | 0.432 | 0.91 |
| 33 | 15:08 | 0.98 | 1.030 | 1.03 | 325.74 | 150.00 | 0.052 | 0.024 | 2.17 |
| 34 | 15:40 | 0.96 | 1.066 | 1.00 | 445.87 | 150.00 | 0.021 | 0.007 | 2.97 |
| 35 | 16:54 | 0.98 | 1.150 | 1.02 | 18.48 | 150.00 | 0.018 | 0.145 | 0.12 |
| 36 | 12:41 | 0.95 | 0.863 | 1.00 | 67.59 | 75.00 | ~~0.334~~ | 0.376 | 0.90 |
| 37 | 18:10 | 0.97 | 1.236 | 1.01 | 74.36 | 75.00 | ~~0.730~~ | 0.737 | 0.99 |
| 38 | 17:58 | 0.97 | 0.747 | 0.99 | 98.72 | 150.00 | 0.028 | 0.042 | 0.66 |
| 39 | 19:37 | 0.97 | 0.815 | 1.00 | 102.74 | 150.00 | 0.757 | 1.106 | 0.68 |
| 40 | 19:28 | 0.97 | 0.809 | 0.99 | 108.44 | 150.00 | 0.815 | 1.127 | 0.72 |
| 41 | 19:47 | 0.96 | 0.822 | 0.99 | 13.28 | 150.00 | 0.015 | 0.174 | 0.09 |
| 42 | 20:01 | 0.97 | 0.832 | 1.00 | 103.03 | 150.00 | 0.607 | 0.884 | 0.69 |
| 43 | 20:24 | 0.97 | 0.847 | 1.00 | 155.44 | 150.00 | 0.060 | 0.058 | 1.04 |
| 44 | 20:28 | 0.97 | 0.851 | 1.00 | 113.99 | 150.00 | 0.376 | 0.494 | 0.76 |
| 45 | 20:49 | 0.97 | 0.865 | 1.00 | 131.90 | 150.00 | 0.224 | 0.254 | 0.88 |
| 46 | 21:27 | 0.97 | 0.891 | 1.00 | 112.79 | 150.00 | 0.651 | 0.865 | 0.75 |
| 47 | 21:35 | 0.97 | 0.897 | 1.00 | 107.66 | 150.00 | 0.385 | 0.537 | 0.72 |
| 48 | 21:38 | 0.97 | 0.899 | 1.00 | 95.39 | 150.00 | 0.750 | 1.180 | 0.64 |

| NO | RET(L) | RATIO | RRT(L) | RATIO | AMNT | AMNT(L) | R. FAC | R. FAC(L) | RATIO |
|---|---|---|---|---|---|---|---|---|---|
| 49 | 21:56 | 0.97 | 0.911 | 1.00 | 151.83 | 150.00 | 0.108 | 0.106 | 1.01 |
| 50 | 22:00 | 0.97 | 0.914 | 1.00 | 133.85 | 150.00 | 0.175 | 0.196 | 0.89 |
| 51 | 22:00 | 0.97 | 0.914 | 1.00 | 116.71 | 150.00 | 0.198 | 0.254 | 0.78 |
| 52 | 22:56 | 0.97 | 0.953 | 1.00 | 133.10 | 150.00 | 0.239 | 0.270 | 0.89 |
| 53 | 23:14 | 0.97 | 0.965 | 1.00 | 125.56 | 150.00 | 0.312 | 0.372 | 0.84 |
| 54 | 23:52 | 0.97 | 0.991 | 1.00 | 154.25 | 150.00 | 0.156 | 0.152 | 1.03 |
| 55 | 24:10 | 0.97 | 1.004 | 1.00 | 114.69 | 150.00 | 1.034 | 1.352 | 0.76 |
| 56 | 24:17 | 0.97 | 1.009 | 1.00 | 115.00 | 150.00 | 0.809 | 1.055 | 0.77 |
| 57 | 26:21 | 0.98 | 1.095 | 1.00 | 104.21 | 150.00 | 1.004 | 1.445 | 0.69 |
| 58 | 27:39 | 0.97 | 1.149 | 1.00 | 123.21 | 150.00 | 1.065 | 1.296 | 0.82 |
| 59 | 18:04 | 0.96 | 0.751 | 0.99 | 117.79 | 150.00 | 0.214 | 0.273 | 0.79 |
| 60 | 18:56 | 0.97 | 0.787 | 1.00 | 163.64 | 150.00 | 0.175 | 0.160 | 1.09 |
| 61 | 20:01 | 0.96 | 0.832 | 0.99 | 345.80 | 150.00 | 0.010 | 0.004 | 2.31 |
| 62 | 20:28 | 0.97 | 0.851 | 1.00 | 111.10 | 150.00 | 0.915 | 1.235 | 0.74 |
| 63 | 22:00 | 0.99 | 0.914 | 1.02 | -314.87 | 150.00 | 0.014 | -0.005 | -2.09 |
| 64 | 22:13 | 0.97 | 0.923 | 1.00 | 71.26 | 75.00 | ~~0.125~~ | 0.132 | 0.95 |
| 65 | 29:04 | | 0.908 | | | 150.00 | | 0.009 | |
| 66 | 28:16 | 0.97 | 0.887 | 1.00 | 100.75 | 150.00 | 1.412 | 2.103 | 0.67 |
| 67 | 30:41 | 0.98 | 0.963 | 1.00 | 117.64 | 150.00 | 0.911 | 1.162 | 0.78 |
| 68 | 31:49 | 0.98 | 0.999 | 1.00 | 140.98 | 150.00 | 0.915 | 0.973 | 0.94 |
| 69 | 32:02 | 0.98 | 1.005 | 1.00 | 398.46 | 150.00 | 0.072 | 0.027 | 2.66 |
| 70 | 31:57 | 0.98 | 1.003 | 1.00 | 142.96 | 150.00 | 0.996 | 1.045 | 0.95 |
| 71 | 32:33 | 0.98 | 1.022 | 1.00 | 102.32 | 150.00 | 0.850 | 1.246 | 0.68 |
| 72 | 28:56 | 0.98 | 0.908 | 1.00 | 58.80 | 75.00 | ~~0.979~~ | 1.248 | 0.78 |
| 73 | 31:07 | | 1.065 | | | 20.00 | | 0.122 | |
| 74 | 34:17 | 0.98 | 1.076 | 1.00 | 115.34 | 150.00 | 1.108 | 1.441 | 0.77 |
| 75 | 34:50 | 0.98 | 1.093 | 1.00 | 2380.99 | 150.00 | 1.321 | 0.083 | 15.87 |
| 76 | 34:55 | 0.98 | 1.096 | 1.00 | 1436.65 | 150.00 | 1.321 | 0.138 | 9.58 |
| 77 | 35:38 | 0.98 | 1.119 | 1.00 | 179.17 | 150.00 | 0.512 | 0.429 | 1.19 |
| 78 | 39:06 | 0.97 | 1.227 | 0.99 | 219.90 | 150.00 | 0.318 | 0.217 | 1.47 |
| 79 | 39:13 | 0.97 | 1.231 | 0.99 | 200.92 | 150.00 | 0.291 | 0.217 | 1.34 |
| 80 | 40:03 | 0.97 | 1.257 | 0.99 | 233.44 | 150.00 | 0.316 | 0.203 | 1.56 |

ATTN 2↑ 9 9

A-1248-2.5ug/ml




77056
PCB A-1248 std.
2.5 ug/ml

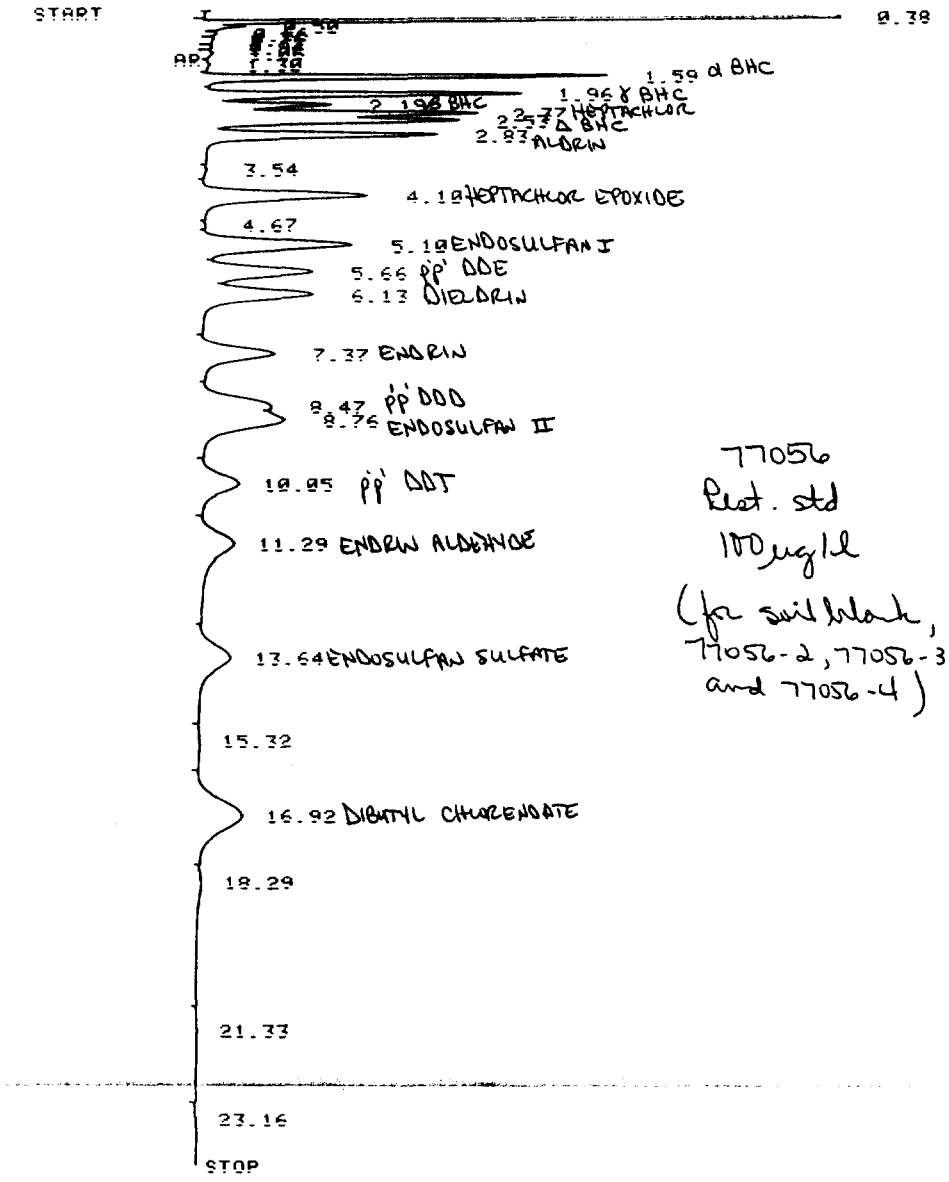
HP RUN # 510
ID:0
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.21 | 216 | 0.008 |
| 1.47 | 4849 | 0.186 |
| 1.70 | 1806 | 0.069 |
| 1.82 | 71700 | 2.748 |
| 2.06 | 53630 | 2.055 |
| 2.31 | 243500 | 9.331 |
| 2.51 | 84980 | 3.256 |
| 2.84 | 355300 | 13.615 |
| 3.31 | 192600 | 7.380 |
| 3.52 | 198700 | 7.614 |
| 3.90 | 119300 | 4.572 |
| 4.11 | 448700 | 17.194 |
| 4.78 | 320600 | 12.285 |
| 5.81 | 121600 | 4.660 |
| 6.18 | 107900 | 4.135 |
| 7.00 | 122200 | 4.683 |
| 7.77 | 36070 | 1.382 |
| 8.83 | 72360 | 2.773 |
| 9.88 | 23360 | 0.895 |
| 10.59 | 21790 | 0.835 |
| 12.65 | 8482 | 0.325 |

DIL FACTOR: 1.0000 E+ 0

ATTN 2↑ 9
A 60.0 59.9
TEMP1 400 210 210

Pesticides std.
100.0 ug/l




77056
Pest. std
100 ug/l
(for soil blank, 77056-2, 77056-3 and 77056-4)

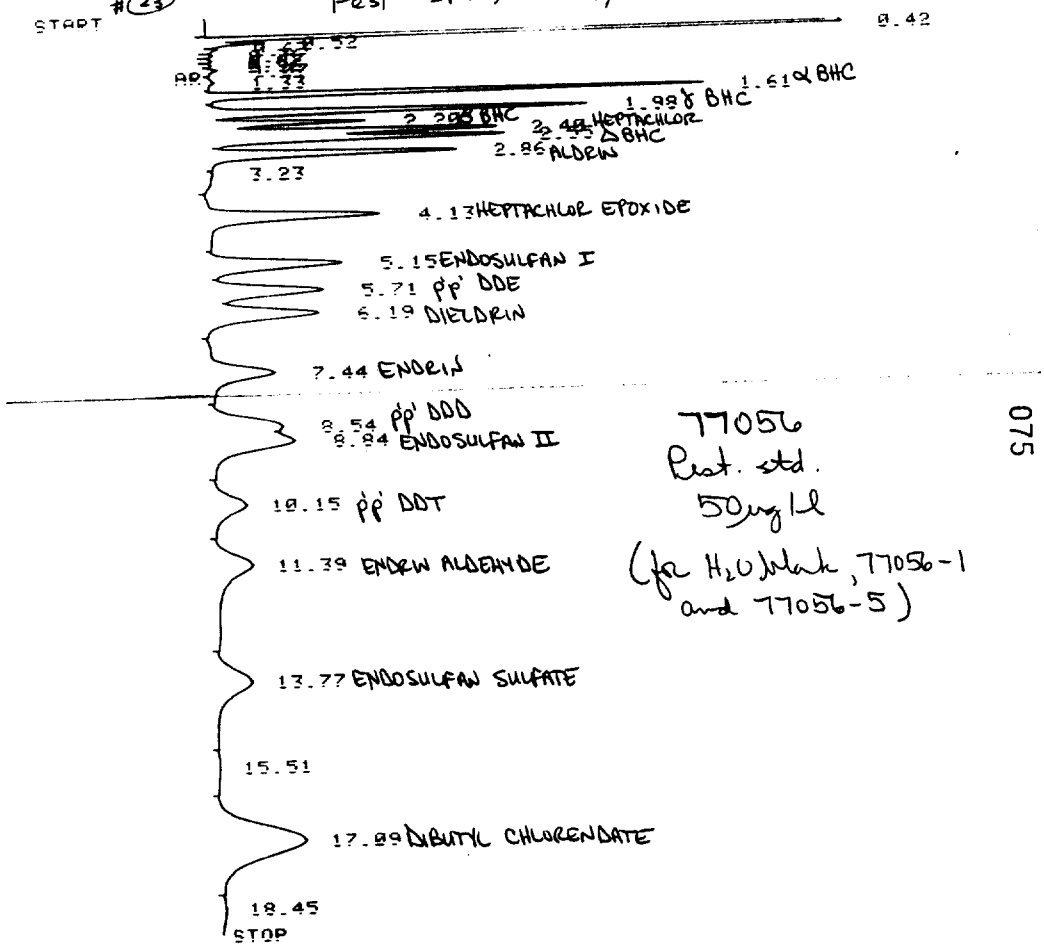
HP RUN # 515
ID:0
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.30 | 5683 | 0.208 |
| 1.59 | 200700 | 7.360 |
| 1.96 | 184200 | 6.755 |
| 2.19 | 80680 | 2.959 |
| 2.37 | 173500 | 6.363 |
| 2.53 | 182900 | 6.707 |
| 2.83 | 188800 | 6.924 |
| 3.54 | 2960 | 0.109 |
| 4.10 | 179500 | 6.583 |
| 4.67 | 2480 | 0.091 |
| 5.10 | 191400 | 7.019 |
| 5.66 | 152600 | 5.596 |
| 6.13 | 173000 | 6.344 |
| 7.37 | 132700 | 4.866 |
| 8.47 | 112300 | 4.118 |
| 8.76 | 193200 | 7.085 |
| 10.05 | 100500 | 3.686 |
| 11.29 | 133100 | 4.881 |
| 13.64 | 108000 | 3.961 |
| 15.32 | 7454 | 0.273 |
| 16.92 | 195300 | 7.162 |
| 18.29 | 21630 | 0.793 |
| 21.33 | 3830 | 0.140 |
| 23.16 | 468 | 0.017 |

DIL FACTOR: 1.0000 E+ 0

ATTN 2↑ 9

INJ/BTL/STROKE: 1 2 3
#23 Pest std, 50 ng/l




77056
Pest. std.
50 ng/l
(for $H_2O$ blank, 77056-1 and 77056-5)

075

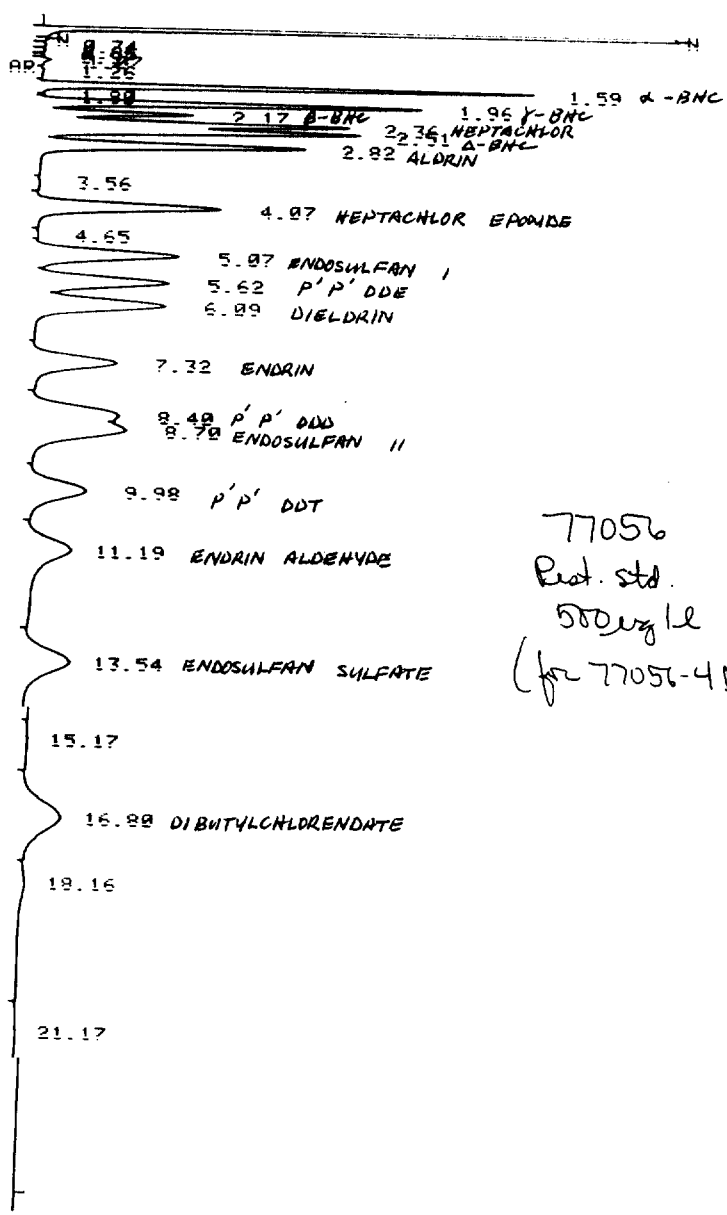
HP RUN # 315
BOTTLE 23
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.33 | 3274 | 0.220 |
| 1.61 | 99200 | 6.671 |
| 1.98 | 94990 | 6.387 |
| 2.20 | 43580 | 2.931 |
| 2.40 | 84400 | 5.676 |
| 2.55 | 91880 | 6.179 |
| 2.86 | 92760 | 6.238 |
| 3.23 | 5542 | 0.373 |
| 4.13 | 99180 | 6.670 |
| 5.15 | 87880 | 5.910 |
| 5.71 | 80680 | 5.426 |
| 6.19 | 84500 | 5.683 |
| 7.44 | 68600 | 4.613 |
| 8.54 | 64640 | 4.347 |
| 8.84 | 99000 | 6.658 |
| 10.15 | 51720 | 3.478 |
| 11.39 | 84100 | 5.656 |
| 13.77 | 62150 | 4.180 |
| 15.51 | 4147 | 0.279 |
| 17.09 | 177900 | 11.964 |
| 18.45 | 6860 | 0.461 |

DIL FACTOR: 1.0000 E+ 0

| | | | |
|---|---|---|---|
| ATTN 2↑ | 8 | | |
| A | 60.0 | 59.2 | |
| TEMP1 | 400 | 210 | 210 |

Pest. Std.
500 ug/l




002

77056
Pest. std.
500 ug/l
(for 77056-4 MS + DMS)

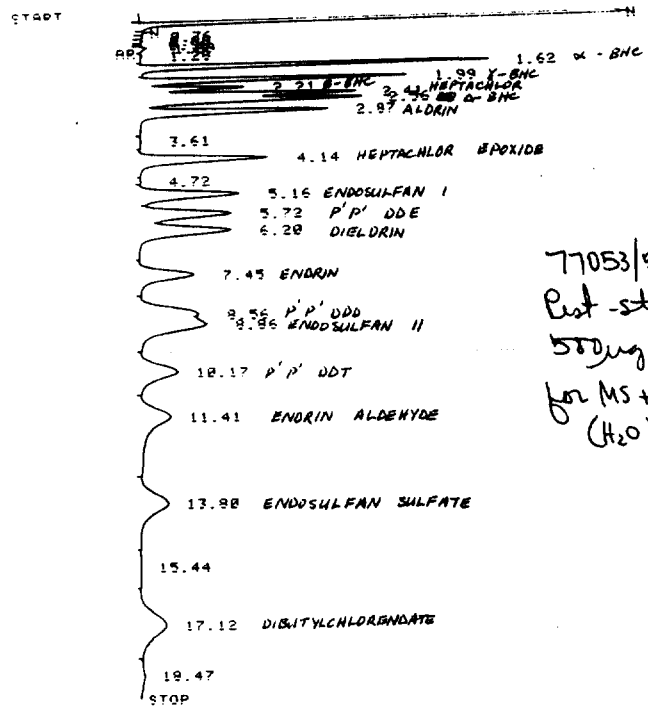
HP RUN # 400
BOTTLE 31
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.26 | 6430 | 0.053 |
| 1.59 | 858200 | 7.127 |
| 1.80 | 3106 | 0.026 |
| 1.96 | 781400 | 6.489 |
| 2.17 | 343300 | 2.851 |
| 2.36 | 747000 | 6.203 |
| 2.51 | 832600 | 6.914 |
| 2.82 | 817200 | 6.786 |
| 3.56 | 5021 | 0.042 |
| 4.07 | 759400 | 6.306 |
| 4.65 | 6383 | 0.053 |
| 5.07 | 727600 | 6.042 |
| 5.62 | 733600 | 6.092 |
| 6.09 | 794200 | 6.595 |
| 7.32 | 599700 | 4.980 |
| 8.40 | 617700 | 5.130 |
| 8.70 | 806800 | 6.700 |
| 9.98 | 559700 | 4.648 |
| 11.19 | 633300 | 5.259 |
| 13.54 | 614000 | 5.099 |
| 15.17 | 23060 | 0.192 |
| 16.80 | 668800 | 5.554 |
| 18.16 | 89180 | 0.741 |
| 21.17 | 14000 | 0.116 |

DIL FACTOR: 1.0000 E+ 0

ATTN 2↑ 11
A 60.0 59.9
TEMP1 400 210 210

003




77053/56
Pest-std.
500ug/l
for MS + DMS
($H_2O$)

017

HP RUN # 275
BOTTLE 1
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.28 | 6349 | 0.056 |
| 1.62 | 840200 | 7.443 |
| 1.99 | 762000 | 6.750 |
| 2.21 | 326100 | 2.889 |
| 2.41 | 708400 | 6.275 |
| 2.56 | 814200 | 7.212 |
| 2.97 | 797900 | 7.067 |
| 3.61 | 7526 | 0.067 |
| 4.14 | 727200 | 6.442 |
| 4.72 | 5578 | 0.049 |
| 5.16 | 693000 | 6.139 |
| 5.72 | 694000 | 6.148 |
| 6.20 | 769400 | 6.816 |
| 7.45 | 532000 | 4.713 |
| 8.56 | 509000 | 4.509 |
| 8.86 | 817900 | 7.244 |
| 10.17 | 511200 | 4.528 |
| 11.41 | 596900 | 5.287 |
| 13.80 | 501000 | 4.438 |
| 15.44 | 8372 | 0.074 |
| 17.12 | 591900 | 5.243 |
| 18.47 | 68920 | 0.611 |

DIL FACTOR: 1.0000 E+ 0

ATTN 2↑ 11
Q 60.0 59.9
TEMP1 400 210 210

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Pest Std., 500 ng/l

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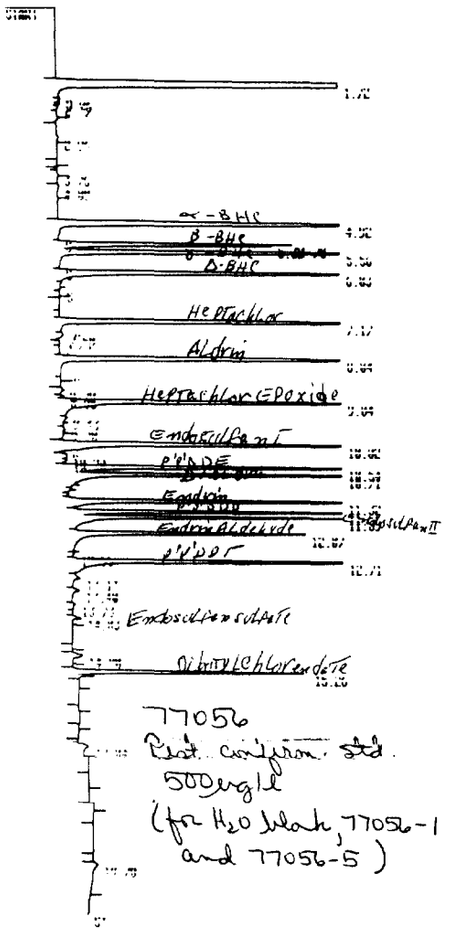


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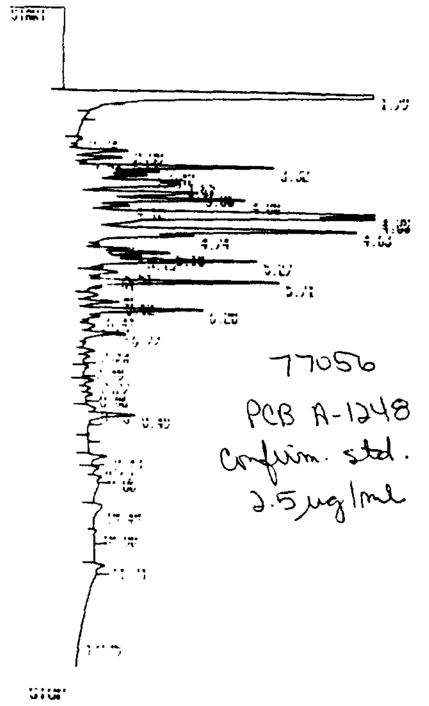
A-1248 2.5µg/ml Pacc [illegible]




77056
PCB A-1248
Confirm. std.
2.5 µg/ml

RUN # 1007 MAR/13/04 11:02:51

HEIGHT%

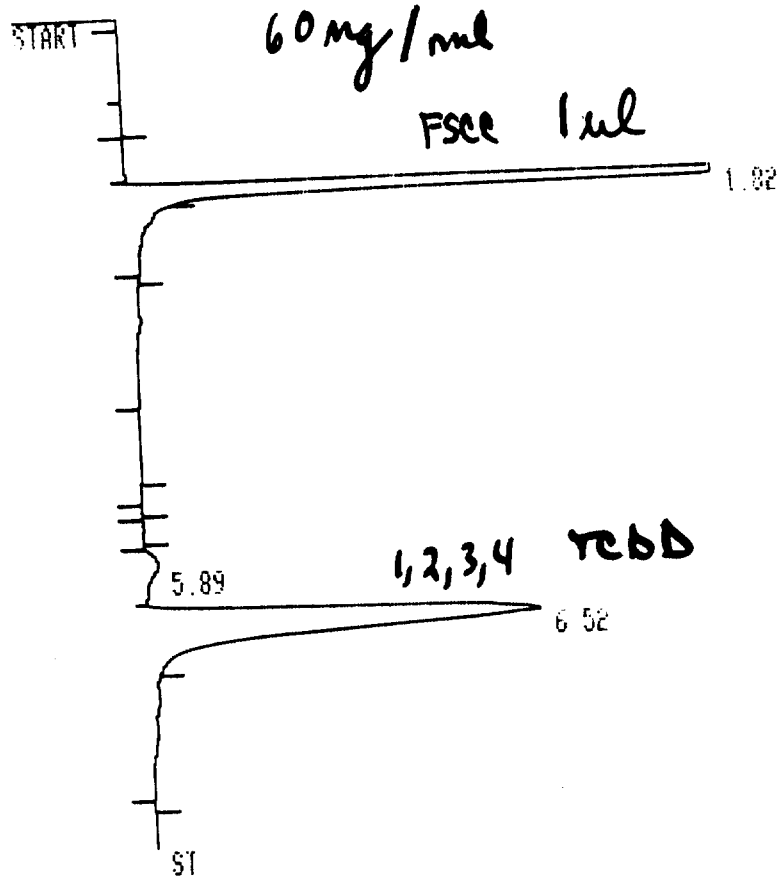
| RT | HEIGHT | TYPE | AR/HT | HEIGHT% |
|---|---|---|---|---|
| 1.79 | 675400 | PB | 0.033 | 22.221 |
| 2.14 | 4383 | BP | 0.056 | 0.145 |
| 2.99 | 39128 | PV | 0.066 | 1.319 |
| 3.13 | 33887 | VV | 0.058 | 1.141 |
| 3.24 | 6133 | VV | 0.042 | 0.207 |
| 3.32 | 146765 | VV | 0.065 | 4.940 |
| 3.42 | 68456 | VV | 0.057 | 2.308 |
| 3.49 | 53062 | VV | 0.063 | 1.787 |
| 3.61 | 74881 | VV | 0.055 | 2.515 |
| 3.67 | 74747 | VV | 0.048 | 2.520 |
| 3.86 | 87744 | VV | 0.071 | 2.958 |
| 4.00 | 122100 | VV | 0.074 | 4.119 |
| 4.12 | 34563 | VV | 0.067 | 1.165 |
| 4.27 | 292274 | VV | 0.074 | 9.853 |
| 4.36 | 252686 | VV | 0.075 | 8.518 |
| 4.62 | 203104 | VV | 0.078 | 6.848 |
| 4.74 | 80310 | VV | 0.077 | 2.708 |
| 4.93 | 8176 | VV | 0.056 | 0.275 |
| 5.01 | 31130 | VV | 0.054 | 1.050 |
| 5.10 | 86317 | VV | 0.064 | 2.833 |
| 5.13 | 38775 | VV | 0.063 | 1.308 |
| 5.27 | 125662 | VB | 0.062 | 4.235 |
| 5.51 | 20164 | PV | 0.070 | 0.680 |
| 5.61 | 6788 | VV | 0.045 | 0.220 |
| 5.71 | 141071 | VB | 0.063 | 4.756 |
| 5.90 | 9110 | BV | 0.074 | 0.307 |
| 6.12 | 25304 | PV | 0.060 | 0.870 |
| 6.20 | 87887 | VV | 0.065 | 2.820 |
| 6.41 | 11868 | VV | 0.063 | 0.400 |
| 6.62 | 6086 | VV | 0.104 | 0.207 |
| 6.77 | 31898 | VV | 0.070 | 1.050 |
| 7.14 | 6625 | PV | 0.061 | 0.221 |
| 7.27 | 4900 | VB | 0.062 | 0.161 |
| 7.40 | 3883 | BB | 0.075 | 0.131 |
| 7.77 | 6702 | BV | 0.066 | 0.227 |
| 7.93 | 4881 | VV | 0.064 | 0.162 |
| 8.06 | 5083 | VB | 0.062 | 0.170 |
| 8.76 | 7207 | PV | 0.063 | 0.245 |
| 8.49 | 38086 | VB | 0.067 | 1.283 |
| 9.43 | 12576 | PB | 0.074 | 0.424 |
| 9.67 | 4720 | PV | 0.066 | 0.166 |
| 9.86 | 4671 | PB | 0.073 | 0.150 |
| 10.49 | 6729 | BP | 0.103 | 0.227 |
| 10.70 | 2445 | PB | 0.077 | 0.082 |
| 11.71 | 7276 | PB | 0.061 | 0.245 |

TOTAL HGHT= 2966400
MUL FACTOR= 1.0000E+00

TCDD Std 1,2,3,4 TCDD

60 ng/ml

FSCC 1 ul




RUN # 61 MAR/16/84 10:49:22

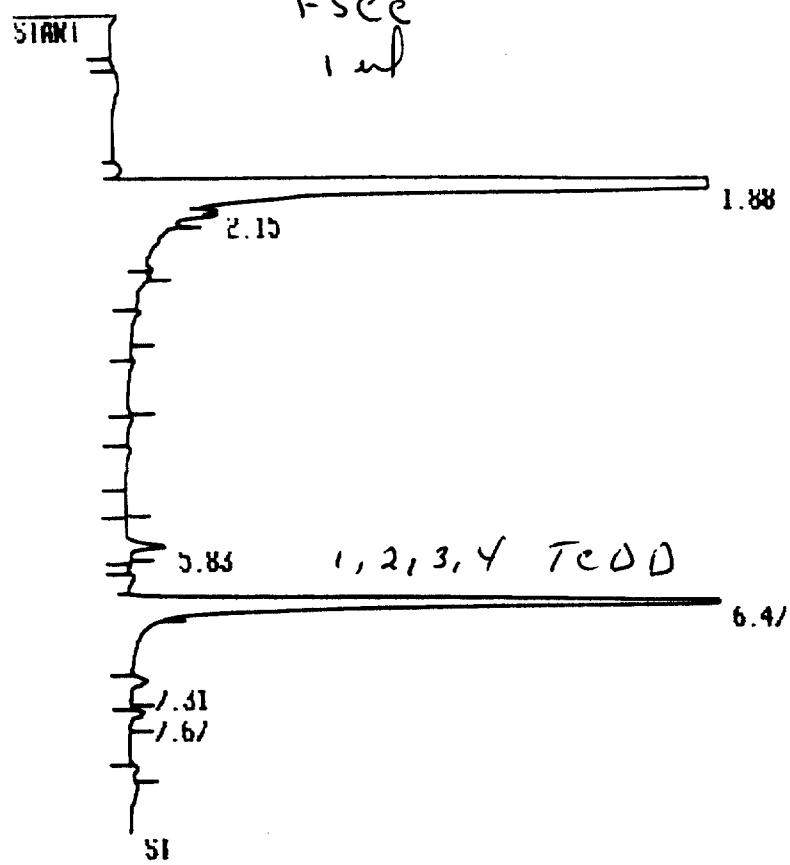
HEIGHT%

| RT | HEIGHT | TYPE | AR/HT | HEIGHT% |
|---|---|---|---|---|
| 1.82 | 465837 | PB | 0.094 | 74.399 |
| 5.89 | 5597 | BP | 0.265 | 0.894 |
| 6.52 | 154702 | PB | 0.267 | 24.707 |

TOTAL HGHT= 626140

MUL FACTOR= 1.0000E+00

TCDD STd.
60.0 ng/ml 1,2,3,4 TCDD
f-SCC
1 ul




RUN # 1688 MAR/01/84 14:02:05

HEIGHTS

| RT | HEIGHT | TYPE | AR/HT | HEIGHTS |
|---|---|---|---|---|
| 1.88 | 77634 | SHB | 0.078 | 97.635 |
| 2.15 | 3846 | BBV | 0.059 | 0.048 |
| 5.83 | 7210 | PB | 0.067 | 0.091 |
| 6.47 | 170754 | PB | 0.092 | 2.147 |
| 7.31 | 3359 | PB | 0.090 | 0.042 |
| 7.67 | 2910 | BB | 0.087 | 0.037 |

TOTAL HEIGHT= 7951500
MUL FACTOR= 1.00000E+00

GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphosphine

CASE NO. 2459 CONTRACTOR US TESTING CONTRACT NO. 68-01-6726

INSTRUMENT ID ABN DATE 3/5/84 TIME 16:59

RUN NUMBER DFTPP318 QC REPORT NO. 56 ANALYST SA

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 51 | 30 - 60% of mass 198 | 37.18 |
| 68 | less than 2% of mass 69 | 0 (<2)[1] |
| 69 | mass 69 relative abundance | 43.30 |
| 70 | less than 2% of mass 69 | 0 (<2)[1] |
| 127 | 40 - 60% of mass 198 | 40.21 |
| 197 | less than 1% of mass 198 | <1 |
| 198 | base peak, 100% relative abundance | 100.00 |
| 199 | 5 - 9% of mass 198 | 7.49 |
| 275 | 10 - 30% of mass 198 | 26.16 |
| 365 | greater than 1% of mass 198 | 1.00 |
| 441 | less than mass 443 | 6.39 |
| 442 | greater than 40% of mass 198 | 40.40 |
| 443 | 17 - 23% of mass 442 | 7.45 (18.4)[2] |

[1]Value in parenthesis is % mass 69.
[2]Value in parenthesis is % mass 442.

Comments:

Revision Date 1/83

MASS LIST DATA: DFTPP318 # 477 BASE M/E: 198
03/05/84 16:59:00 + 7:33 CALI: DFTPP320 # 1 RIC: 79360.
SAMPLE: 50 NG DFTPP, BENZIDINE & PENTACHLOROPHENOL
CONDS. :
#474 TO #480 SUMMED

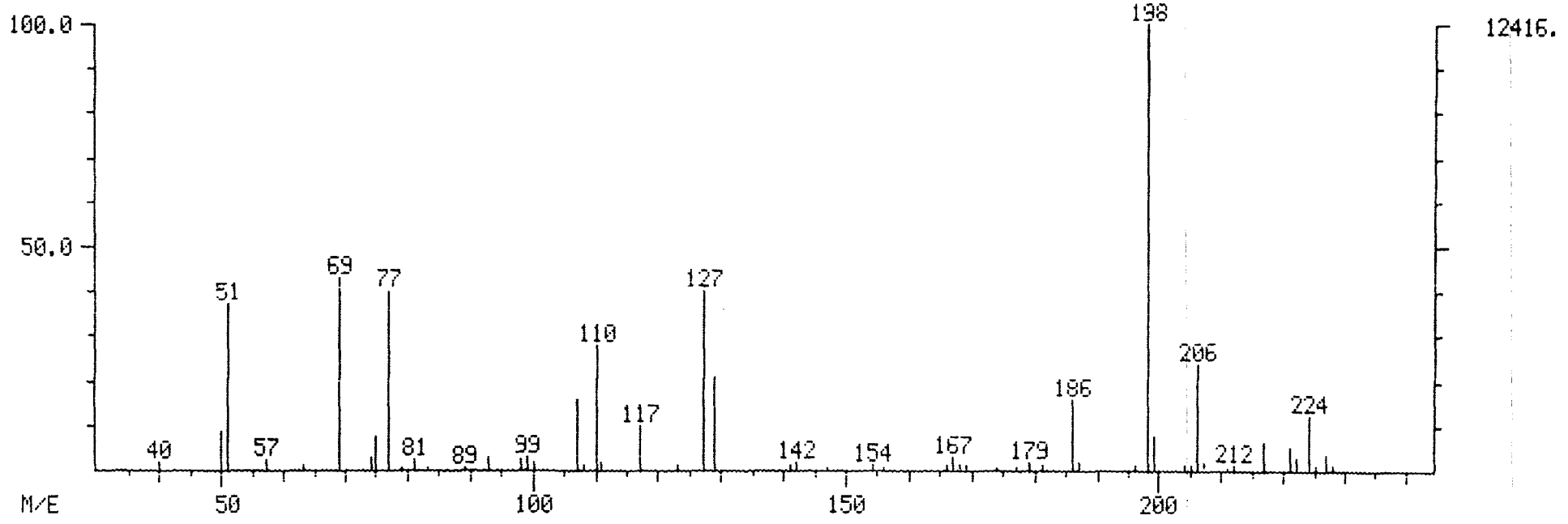
40 0.00 0.00 0. MINIMA MIN INTEN: 0.
443 # 0 MAXIMA

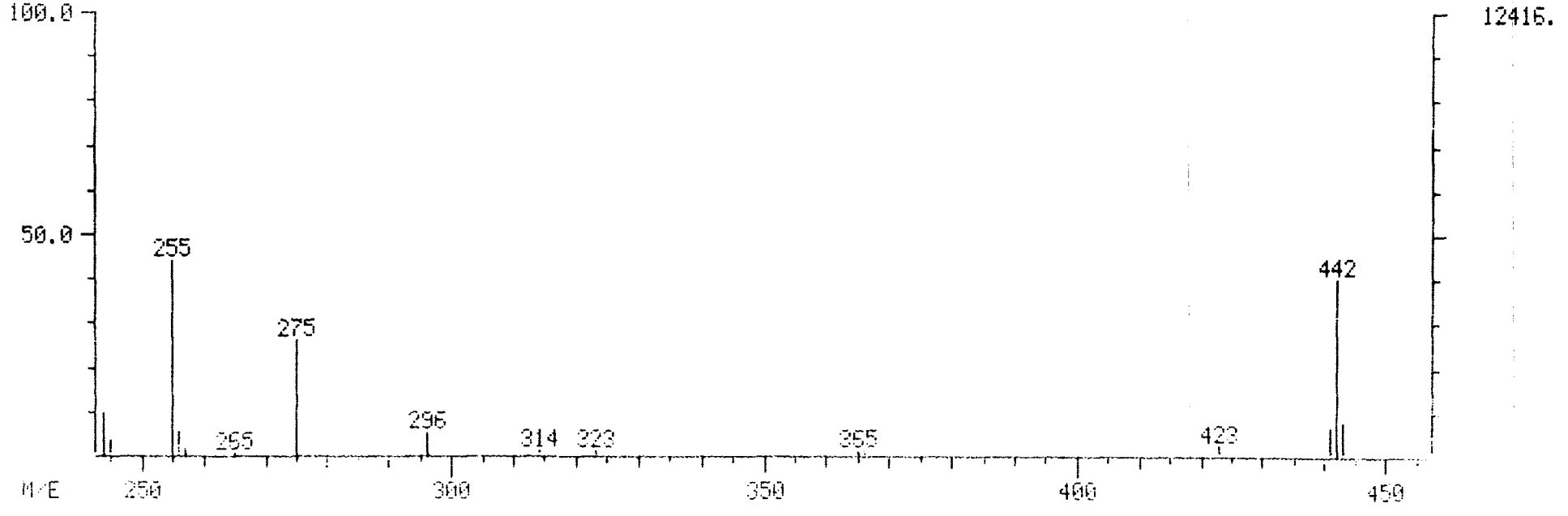
| MASS | % RA | % RIC | INTEN. | MASS | % RA | % RIC | INTEN. |
|---|---|---|---|---|---|---|---|
| 40.00 | 1.71 | 0.27 | 212. | 221.00 | 5.16 | 0.81 | 641. |
| 50.00 | 8.83 | 1.38 | 1096. | 222.00 | 2.66 | 0.42 | 330. |
| 51.00 | 37.18 | 5.82 | 4616. | 224.00 | 12.11 | 1.90 | 1504. |
| 57.00 | 2.09 | 0.33 | 260. | 225.00 | 1.22 | 0.19 | 152. |
| 63.00 | 0.93 | 0.14 | 115. | 227.00 | 3.48 | 0.54 | 432. |
| 69.00 | 43.30 | 6.77 | 5376. | 228.00 | 1.19 | 0.19 | 148. |
| 74.00 | 2.85 | 0.45 | 354. | 244.00 | 9.78 | 1.53 | 1214. |
| 75.00 | 7.66 | 1.20 | 951. | 245.00 | 3.28 | 0.51 | 407. |
| 77.00 | 39.88 | 6.24 | 4952. | 249.00 | 0.86 | 0.13 | 107. |
| 79.00 | 0.83 | 0.13 | 103. | 255.00 | 44.07 | 6.90 | 5472. |
| 81.00 | 2.06 | 0.32 | 256. | 256.00 | 5.02 | 0.79 | 623. |
| 83.00 | 0.86 | 0.13 | 107. | 257.00 | 1.51 | 0.24 | 188. |
| 89.00 | 0.85 | 0.13 | 105. | 265.00 | 0.83 | 0.13 | 103. |
| 93.00 | 2.96 | 0.46 | 367. | 275.00 | 26.16 | 4.09 | 3248. |
| 98.00 | 2.13 | 0.33 | 264. | 296.00 | 5.19 | 0.81 | 645. |
| 99.00 | 3.12 | 0.49 | 388. | 314.00 | 0.93 | 0.14 | 115. |
| 100.00 | 1.97 | 0.31 | 245. | 323.00 | 1.18 | 0.19 | 147. |
| 107.00 | 15.58 | 2.44 | 1934. | 365.00 | 1.00 | 0.16 | 124. |
| 108.00 | 1.00 | 0.16 | 124. | 366.00 | 0.92 | 0.14 | 114. |
| 110.00 | 27.84 | 4.35 | 3456. | 423.00 | 2.20 | 0.34 | 273. |
| 111.00 | 1.97 | 0.31 | 245. | 441.00 | 6.39 | 1.00 | 794. |
| 117.00 | 9.63 | 1.51 | 1196. | 442.00 | 40.40 | 6.32 | 5016. |
| 123.00 | 1.02 | 0.16 | 127. | 443.00 | 7.45 | 1.17 | 925. |
| 127.00 | 40.21 | 6.29 | 4992. | | | | |
| 129.00 | 21.10 | 3.30 | 2620. | | | | |
| 141.00 | 0.93 | 0.14 | 115. | | | | |
| 142.00 | 1.60 | 0.25 | 199. | | | | |
| 147.00 | 0.81 | 0.13 | 100. | | | | |
| 154.00 | 0.91 | 0.14 | 113. | | | | |
| 156.00 | 0.85 | 0.13 | 106. | | | | |
| 166.00 | 0.92 | 0.14 | 114. | | | | |
| 167.00 | 2.92 | 0.46 | 362. | | | | |
| 168.00 | 0.93 | 0.14 | 115. | | | | |
| 169.00 | 0.95 | 0.15 | 118. | | | | |
| 174.00 | 0.81 | 0.13 | 101. | | | | |
| 177.00 | 0.85 | 0.13 | 106. | | | | |
| 179.00 | 1.65 | 0.26 | 205. | | | | |
| 181.00 | 0.95 | 0.15 | 118. | | | | |
| 186.00 | 15.74 | 2.46 | 1954. | | | | |
| 187.00 | 1.85 | 0.29 | 230. | | | | |
| 196.00 | 0.98 | 0.15 | 122. | | | | |
| 198.00 | 100.00 | 15.65 | 12416. | | | | |
| 199.00 | 7.49 | 1.17 | 930. | | | | |
| 204.00 | 0.91 | 0.14 | 113. | | | | |
| 205.00 | 1.35 | 0.21 | 168. | | | | |
| 206.00 | 23.65 | 3.70 | 2936. | | | | |
| 207.00 | 1.93 | 0.30 | 240. | | | | |
| 211.00 | 0.86 | 0.13 | 107. | | | | |
| 212.00 | 1.41 | 0.22 | 175. | | | | |
| 217.00 | 6.52 | 1.02 | 809. | | | | |

MASS SPECTRUM
03/05/84 16:59:00 + 7:33
SAMPLE: 50 NG DFTPP, BENZIDINE & PENTACHLOROPHENOL
CONDS.:
#474 TO #480 SUMMED

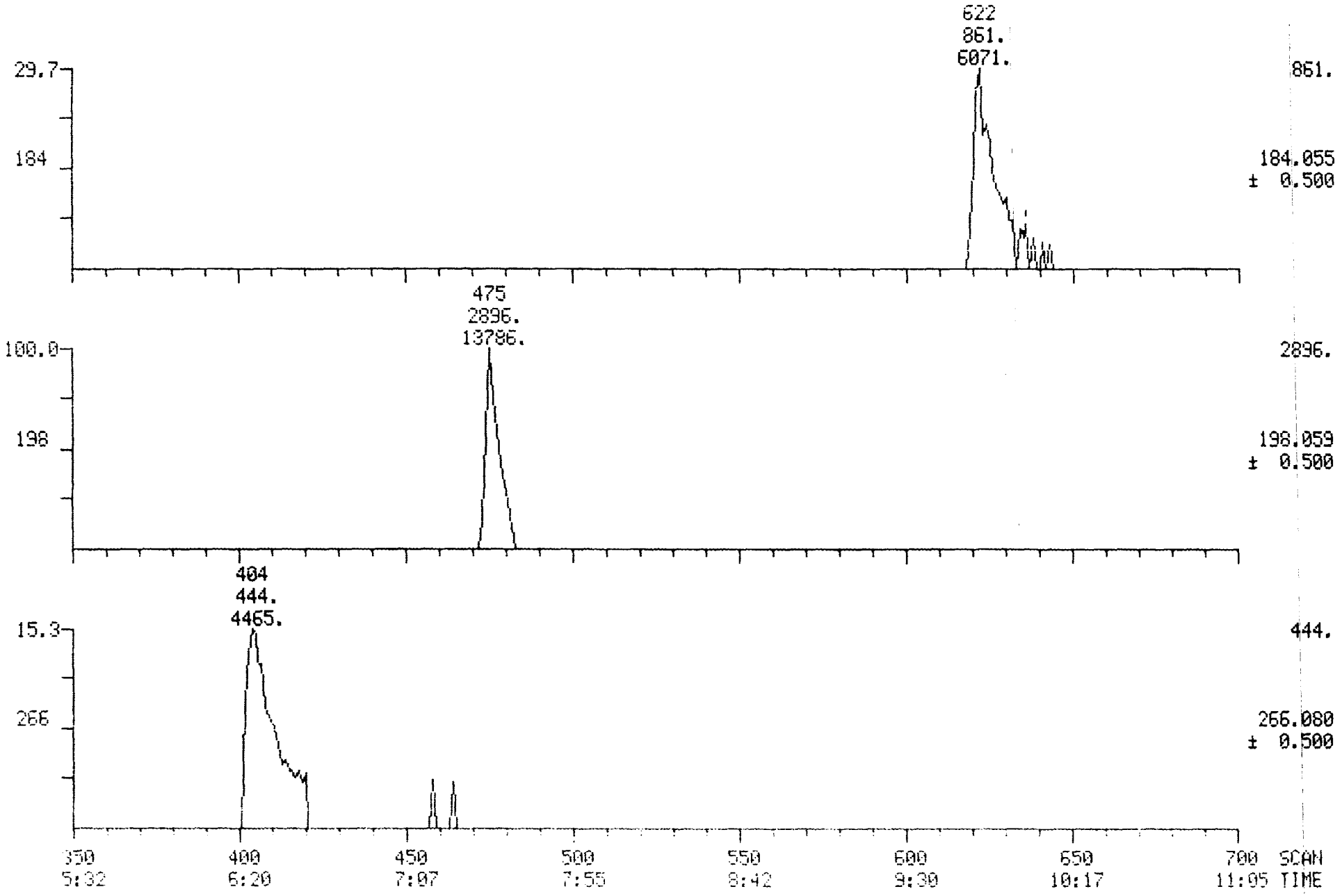
DATA: DFTPP318 #477
CALI: DFTPP320 #1

BASE M/E: 198
RIC: 79360.



MASS CHROMATOGRAMS DATA: DFTPP318 #474 SCANS 350 TO 700
03/05/84 16:59:00 CALI: DFTPP320 #1
SAMPLE: 50 NG DFTPP, BENZIDINE & PENTACHLOROPHENOL
CONDS.:
RANGE: G 1, 800 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



# GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphosphine

CASE NO. 2459 CONTRACTOR U S TESTING CONTRACT NO. 68-01-6726

INSTRUMENT ID ABN DATE 3/6/84 TIME 13:00

RUN NUMBER DFTPP 319 QC REPORT NO. 56 ANALYST SP

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 51 | 30 - 60% of mass 198 | 55.58 |
| 68 | less than 2% of mass 69 | 0 (<2)[1] |
| 69 | mass 69 relative abundance | 46.71 |
| 70 | less than 2% of mass 69 | 0 (<2)[1] |
| 127 | 40 - 60% of mass 198 | 41.24 |
| 197 | less than 1% of mass 198 | <1 |
| 198 | base peak, 100% relative abundance | 100.00 |
| 199 | 5 - 9% of mass 198 | 7.03 |
| 275 | 10 - 30% of mass 198 | 24.25 |
| 365 | greater than 1% of mass 198 | 2.82 |
| 441 | less than mass 443 | 0 |
| 442 | greater than 40% of mass 198 | 48.21 |
| 443 | 17 - 23% of mass 442 | 8.90 (18.5)[2] |

[1]Value in parenthesis is % mass 69.
[2]Value in parenthesis is % mass 442.

Comments:

Revision Date 1/83

MASS LIST DATA: DFTPP319 # 489 BASE M/E: 198
03/06/84 13:00:00 + 7:45 CALI: DFTPP319 # 1 RIC: 24992.
SAMPLE: 50 NG DFTPP & BENZIDINE
CONDS. :
ENHANCED (S 15B 2N 0T)

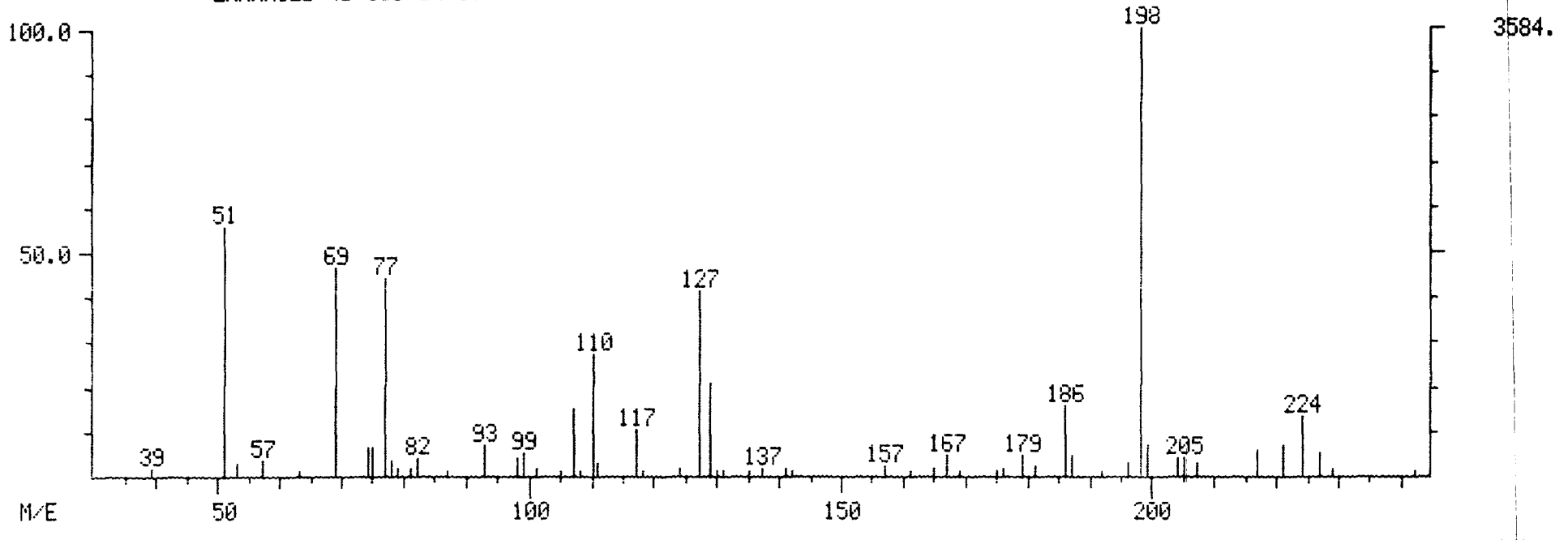
39 0.00 0.00 0. MINIMA MIN INTEN: 0.
443 # 0 MAXIMA

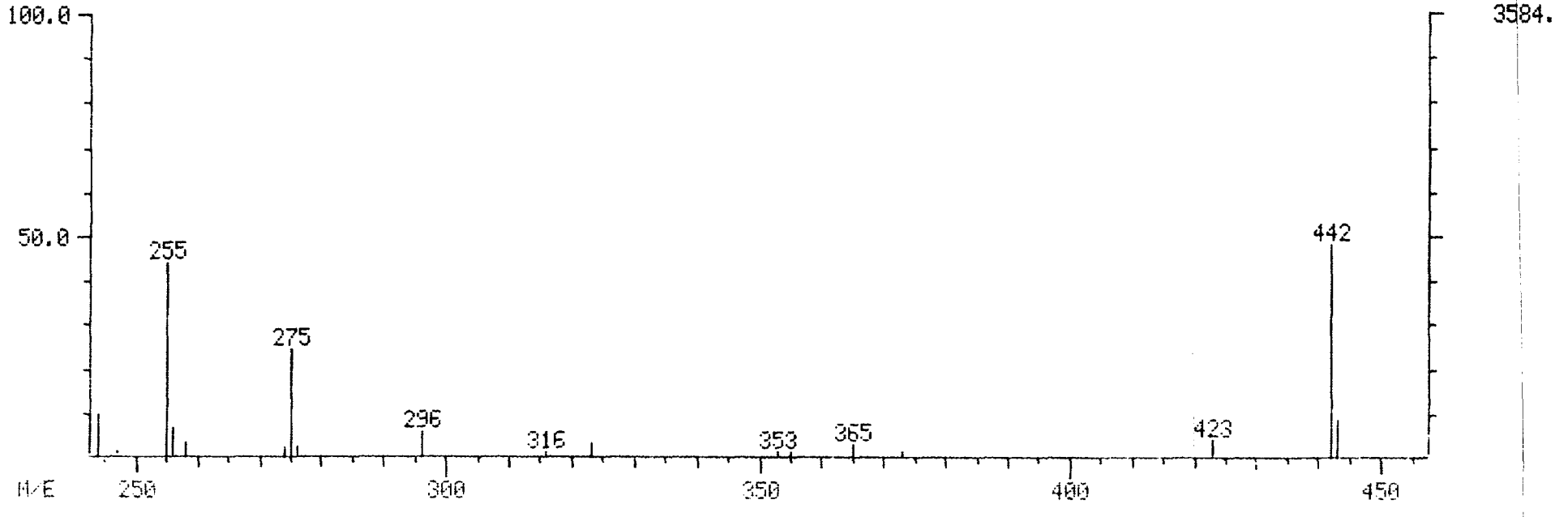
| MASS | % RA | % RIC | INTEN. |
|---|---|---|---|
| 39.00 | 1.90 | 0.27 | 68. |
| 51.00 | 55.58 | 7.97 | 1992. |
| 53.00 | 2.93 | 0.42 | 105. |
| 57.00 | 3.35 | 0.48 | 120. |
| 63.00 | 1.40 | 0.20 | 50. |
| 69.00 | 46.71 | 6.70 | 1674. |
| 74.00 | 6.33 | 0.91 | 227. |
| 75.00 | 6.14 | 0.88 | 220. |
| 77.00 | 44.14 | 6.33 | 1582. |
| 78.00 | 3.52 | 0.50 | 126. |
| 79.00 | 1.90 | 0.27 | 68. |
| 81.00 | 1.51 | 0.22 | 54. |
| 82.00 | 4.27 | 0.61 | 153. |
| 87.00 | 0.98 | 0.14 | 35. |
| 93.00 | 7.11 | 1.02 | 255. |
| 98.00 | 4.35 | 0.62 | 156. |
| 99.00 | 5.11 | 0.73 | 183. |
| 101.00 | 1.56 | 0.22 | 56. |
| 105.00 | 1.00 | 0.14 | 36. |
| 107.00 | 15.37 | 2.20 | 551. |
| 108.00 | 1.00 | 0.14 | 36. |
| 110.00 | 27.26 | 3.91 | 977. |
| 111.00 | 3.04 | 0.44 | 109. |
| 117.00 | 10.71 | 1.54 | 384. |
| 118.00 | 1.17 | 0.17 | 42. |
| 124.00 | 1.53 | 0.22 | 55. |
| 127.00 | 41.24 | 5.91 | 1478. |
| 129.00 | 20.98 | 3.01 | 752. |
| 130.00 | 0.92 | 0.13 | 33. |
| 131.00 | 0.95 | 0.14 | 34. |
| 135.00 | 1.09 | 0.16 | 39. |
| 137.00 | 1.56 | 0.22 | 56. |
| 141.00 | 1.53 | 0.22 | 55. |
| 142.00 | 1.26 | 0.18 | 45. |
| 157.00 | 2.26 | 0.32 | 81. |
| 161.00 | 1.40 | 0.20 | 50. |
| 165.00 | 1.53 | 0.22 | 55. |
| 167.00 | 4.41 | 0.63 | 158. |
| 169.00 | 1.14 | 0.16 | 41. |
| 175.00 | 1.12 | 0.16 | 40. |
| 176.00 | 1.73 | 0.25 | 62. |
| 179.00 | 4.52 | 0.65 | 162. |
| 181.00 | 2.23 | 0.32 | 80. |
| 186.00 | 15.60 | 2.24 | 559. |
| 187.00 | 4.52 | 0.65 | 162. |
| 192.00 | 1.14 | 0.16 | 41. |
| 196.00 | 2.68 | 0.38 | 96. |
| 198.00 | 100.00 | 14.34 | 3584. |
| 199.00 | 7.03 | 1.01 | 252. |
| 204.00 | 3.82 | 0.55 | 137. |
| 205.00 | 4.32 | 0.62 | 155. |
| 207.00 | 2.99 | 0.43 | 107. |
| 217.00 | 5.94 | 0.85 | 213. |
| 221.00 | 7.23 | 1.04 | 259. |
| 224.00 | 13.64 | 1.96 | 489. |
| 227.00 | 5.36 | 0.77 | 192. |
| 229.00 | 1.98 | 0.28 | 71. |
| 242.00 | 1.03 | 0.15 | 37. |
| 244.00 | 9.85 | 1.41 | 353. |
| 247.00 | 1.34 | 0.19 | 48. |
| 255.00 | 44.14 | 6.33 | 1582. |
| 256.00 | 6.33 | 0.91 | 227. |
| 258.00 | 3.66 | 0.52 | 131. |
| 274.00 | 2.09 | 0.30 | 75. |
| 275.00 | 24.25 | 3.48 | 869. |
| 276.00 | 2.57 | 0.37 | 92. |
| 296.00 | 5.61 | 0.80 | 201. |
| 316.00 | 1.00 | 0.14 | 36. |
| 323.00 | 3.60 | 0.52 | 129. |
| 353.00 | 1.12 | 0.16 | 40. |
| 355.00 | 1.12 | 0.16 | 40. |
| 365.00 | 2.82 | 0.40 | 101. |
| 373.00 | 1.09 | 0.16 | 39. |
| 423.00 | 3.91 | 0.56 | 140. |
| 442.00 | 48.21 | 6.91 | 1728. |
| 443.00 | 8.90 | 1.28 | 319. |

MASS SPECTRUM
03/06/84 13:00:00 + 7:45
SAMPLE: 50 NG DFTPP & BENZIDINE
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: DFTPP319 #489
CALI: DFTPP319 #1

BASE M/E: 198
RIC: 24992.

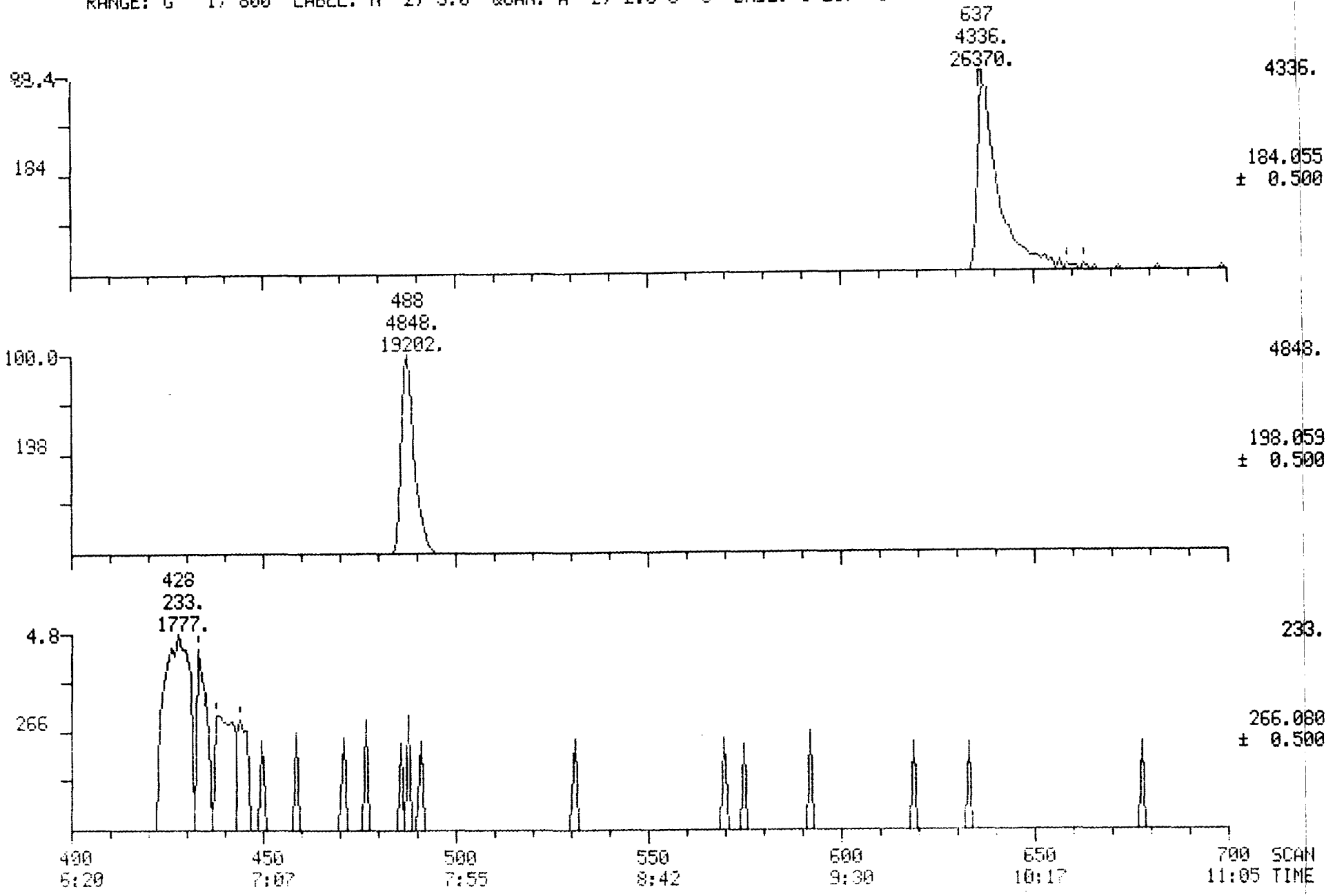


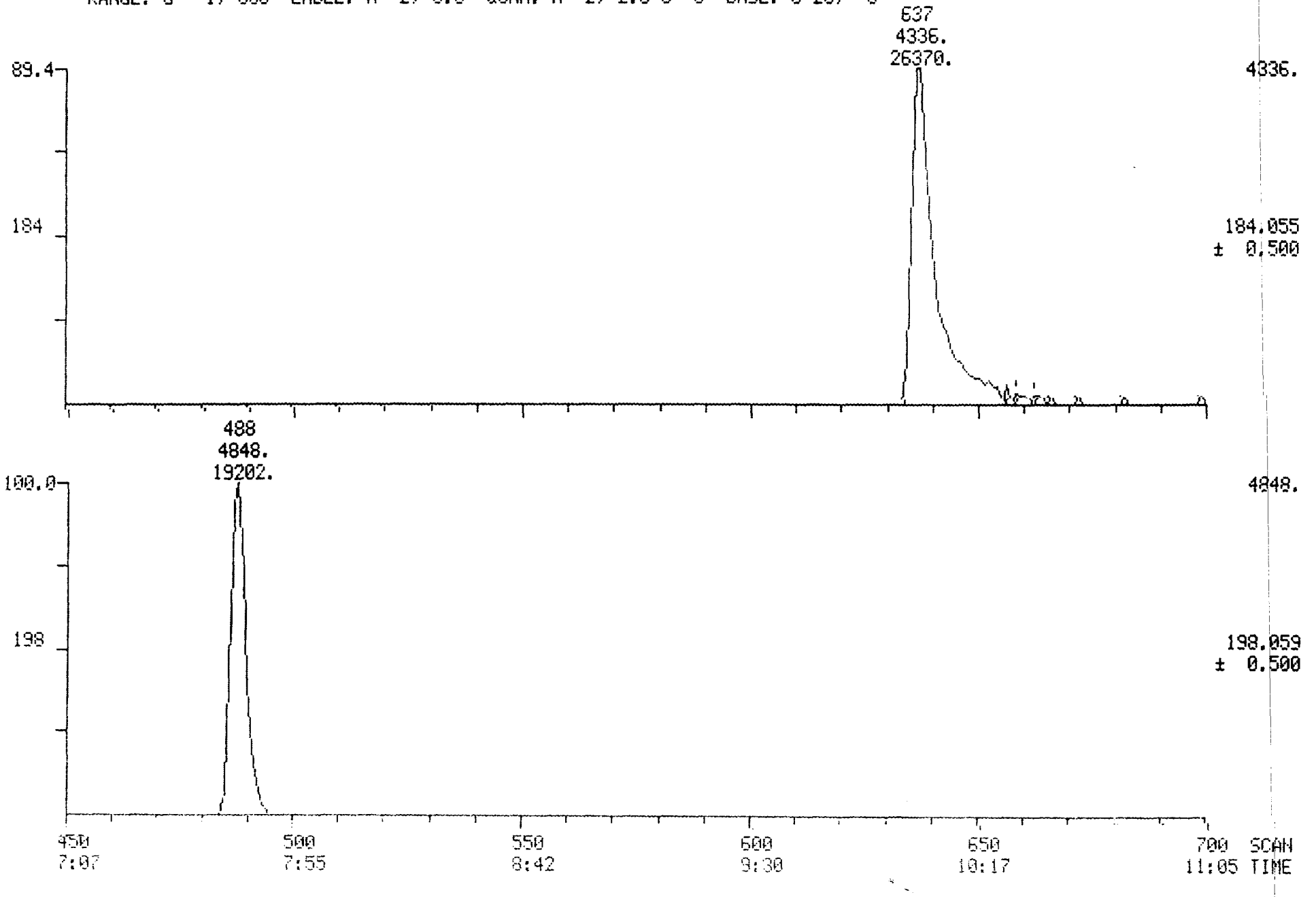
MASS CHROMATOGRAMS
03/06/84 13:00:00
SAMPLE: 50 NG DFTPP & BENZIDINE
CONDS.:
RANGE: G 1, 800 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: DFTPP319 #489
CALI: DFTPP319 #1

SCANS 400 TO 700



MASS CHROMATOGRAMS DATA: DFTPP319 #489 SCANS 450 TO 700
03/06/84 13:00:00 CALI: DFTPP319 #1
SAMPLE: 50 NG DFTPP & BENZIDINE
CONDS.:
RANGE: G 1, 800 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3



GC/MS PERFORMANCE STANDARD

Decafluorotriphenylphosphine

CASE NO. 2459 CONTRACTOR U S TESTING CONTRACT NO. 68-01-672

INSTRUMENT ID ABN DATE 3/8/84 TIME 7:29

RUN NUMBER 321 QC REPORT NO. 56 ANALYST SP

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 51 | 30 - 60% of mass 198 | 33.55 |
| 68 | less than 2% of mass 69 | 0 (<2)[1] |
| 69 | mass 69 relative abundance | 38.79 |
| 70 | less than 2% of mass 69 | 0 (<2)[1] |
| 127 | 40 - 60% of mass 198 | 40.28 |
| 197 | less than 1% of mass 198 | <1 |
| 198 | base peak, 100% relative abundance | 100.00 |
| 199 | 5 - 9% of mass 198 | 8.79 |
| 275 | 10 - 30% of mass 198 | 25.93 |
| 365 | greater than 1% of mass 198 | 3.71 |
| 441 | less than mass 443 | 0 |
| 442 | greater than 40% of mass 198 | 65.40 |
| 443 | 17 - 23% of mass 442 | 13.10 (20)[2] |

[1]Value in parenthesis is % mass 69.
[2]Value in parenthesis is % mass 442.

Comments:

Revision Date 1/83

MASS LIST DATA: DFTPP321 # 478 BASE M/E: 198
03/08/84 7:29:00 + 7:34 CALI: DFTPP321 # 1 RIC: 18016.
SAMPLE: 50 NG DFTPP
CONDS. :

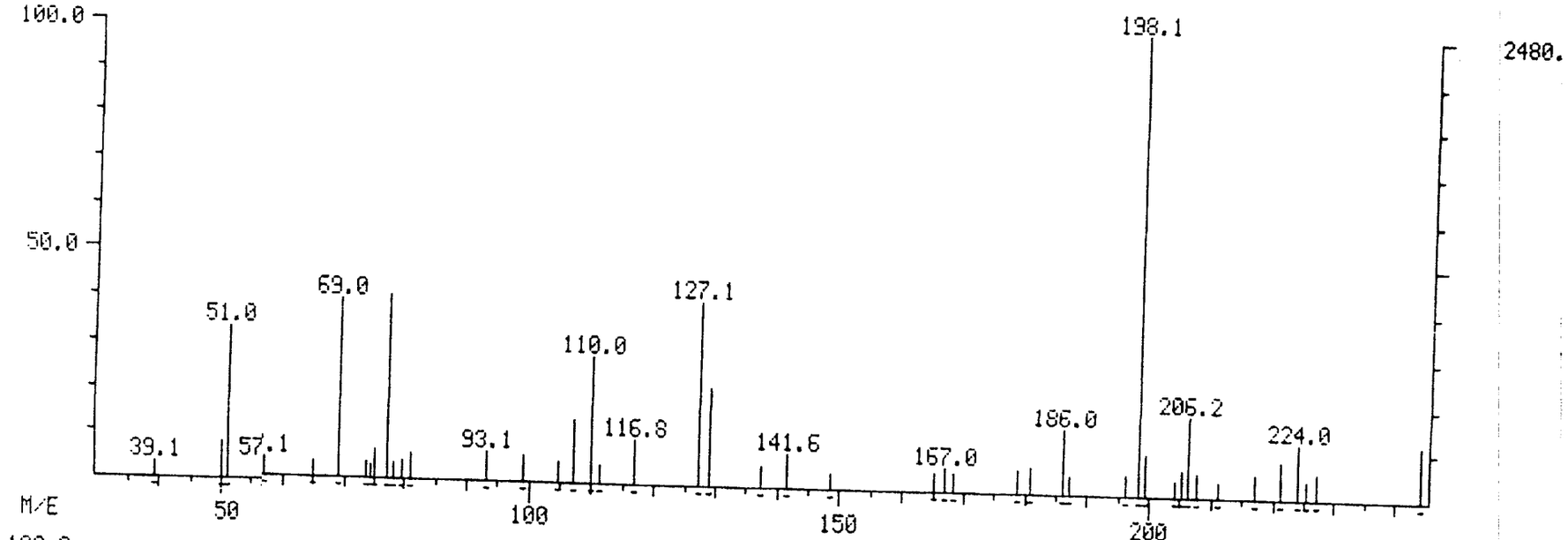
39 0.00 0.00 0. MINIMA MIN INTEN: 0.
444 # 0 MAXIMA

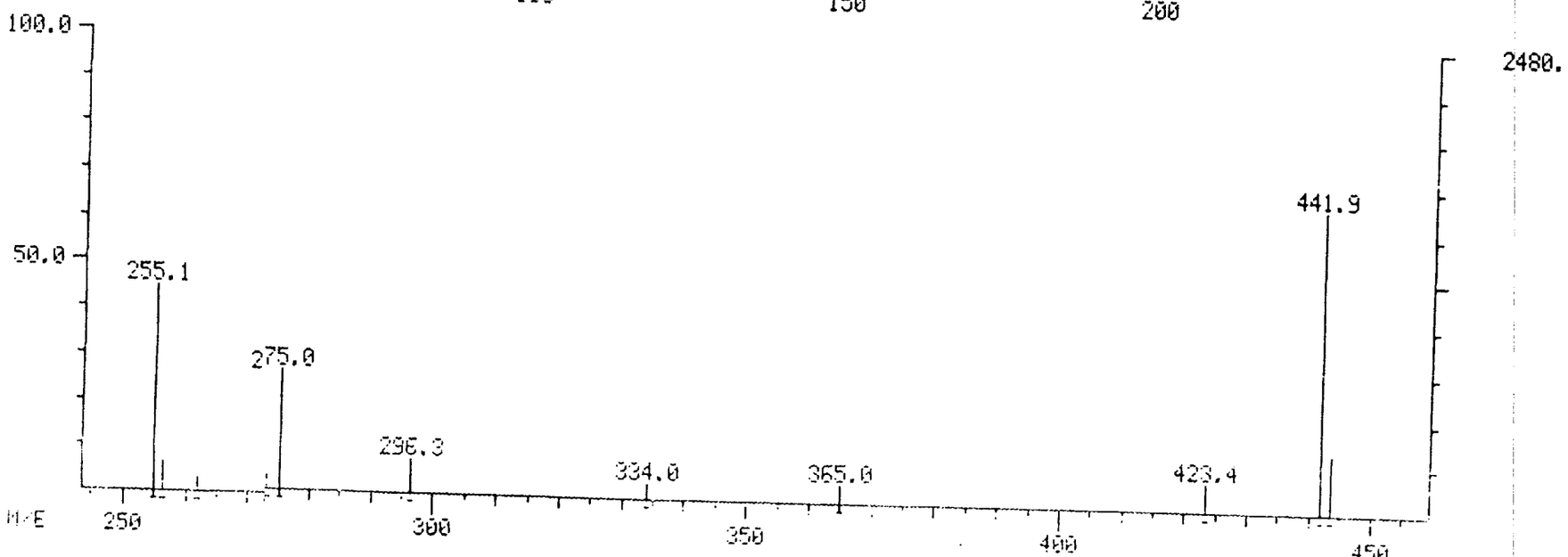
| MASS | % RA | % RIC | INTEN. | MASS | % RA | % RIC | INTEN. |
|---|---|---|---|---|---|---|---|
| 39.08 F | 3.51 | 0.48 | 87. | 296.32 F | 7.46 | 1.03 | 185. |
| 49.86 F | 7.70 | 1.06 | 191. | 334.04 F | 3.19 | 0.44 | 79. |
| 51.00 F | 33.55 | 4.62 | 832. | 364.96 F | 3.71 | 0.51 | 92. |
| 57.14 F | 4.19 | 0.58 | 104. | 423.38 F | 6.17 | 0.85 | 153. |
| 64.92 F | 3.47 | 0.48 | 86. | 441.94 F | 65.40 | 9.00 | 1622. |
| 68.98 F | 38.79 | 5.34 | 962. | 443.54 F | 13.10 | 1.80 | 325. |
| 73.48 F | 3.67 | 0.51 | 91. | | | | |
| 74.34 F | 3.10 | 0.43 | 77. | | | | |
| 75.14 F | 6.21 | 0.85 | 154. | | | | |
| 77.04 F | 39.88 | 5.49 | 989. | | | | |
| 78.26 F | 3.63 | 0.50 | 90. | | | | |
| 79.40 F | 3.79 | 0.52 | 94. | | | | |
| 80.92 F | 5.60 | 0.77 | 139. | | | | |
| 93.10 F | 6.09 | 0.84 | 151. | | | | |
| 99.00 F | 5.85 | 0.80 | 145. | | | | |
| 104.68 F | 4.31 | 0.59 | 107. | | | | |
| 106.98 F | 13.59 | 1.87 | 337. | | | | |
| 109.96 F | 27.70 | 3.81 | 687. | | | | |
| 111.14 F | 3.83 | 0.53 | 95. | | | | |
| 116.80 F | 9.72 | 1.34 | 241. | | | | |
| 127.06 F | 40.28 | 5.55 | 999. | | | | |
| 129.00 F | 21.25 | 2.93 | 527. | | | | |
| 137.24 F | 4.72 | 0.65 | 117. | | | | |
| 141.56 F | 7.58 | 1.04 | 188. | | | | |
| 148.28 F | 3.43 | 0.47 | 85. | | | | |
| 165.26 F | 3.79 | 0.52 | 94. | | | | |
| 167.04 F | 5.32 | 0.73 | 132. | | | | |
| 168.18 F | 4.11 | 0.57 | 102. | | | | |
| 178.92 F | 4.88 | 0.67 | 121. | | | | |
| 180.84 F | 5.48 | 0.75 | 136. | | | | |
| 186.04 F | 14.23 | 1.96 | 353. | | | | |
| 187.22 F | 4.03 | 0.56 | 100. | | | | |
| 196.14 F | 4.31 | 0.59 | 107. | | | | |
| 198.06 F | 100.00 | 13.77 | 2480. | | | | |
| 199.42 F | 8.79 | 1.21 | 218. | | | | |
| 204.22 F | 3.43 | 0.47 | 85. | | | | |
| 205.22 F | 5.56 | 0.77 | 138. | | | | |
| 206.18 F | 17.78 | 2.45 | 441. | | | | |
| 207.56 F | 4.92 | 0.68 | 122. | | | | |
| 211.24 F | 3.39 | 0.47 | 84. | | | | |
| 217.10 F | 5.28 | 0.73 | 131. | | | | |
| 221.16 F | 8.02 | 1.10 | 199. | | | | |
| 224.04 F | 12.14 | 1.67 | 301. | | | | |
| 225.34 F | 3.95 | 0.54 | 98. | | | | |
| 227.00 F | 5.40 | 0.74 | 134. | | | | |
| 244.02 F | 11.61 | 1.60 | 288. | | | | |
| 255.06 F | 44.68 | 6.15 | 1108. | | | | |
| 256.20 F | 6.25 | 0.86 | 155. | | | | |
| 261.84 F | 3.10 | 0.43 | 77. | | | | |
| 273.20 F | 3.06 | 0.42 | 76. | | | | |
| 275.00 F | 25.93 | 3.57 | 643. | | | | |

MASS SPECTRUM
03/08/84 7:29:00 + 7:34
SAMPLE: 50 NG DFTPP
CONDS.:

DATA: DFTPP321 #478
CALI: DFTPP321 #1

BASE M/E: 198
RIC: 18016.

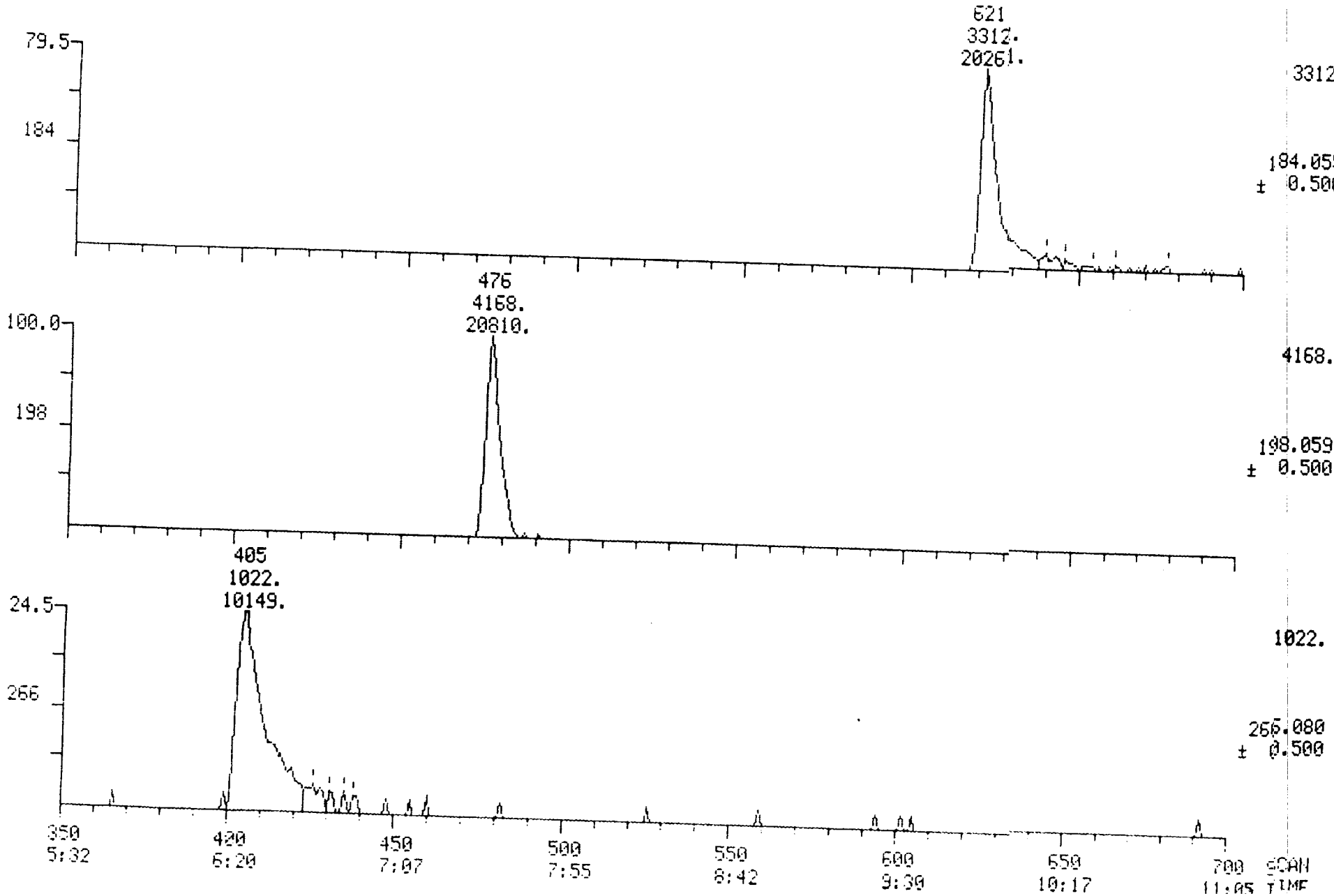


MASS CHROMATOGRAMS
03/08/84 7:29:00
SAMPLE: 50 NG DFTPP
CONDS.:
RANGE: G 1, 800 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: DFTPP321 #478
CALI: DFTPP321 #1

SCANS 350 TO 700



GC/MS PERFORMANCE STANDARD

Bromofluorobenzene

CASE NO. 2459 CONTRACTOR USTCO CONTRACT NO. 68-01-~~6567~~ 6726

INSTRUMENT ID VOA DATE 2/26/84 TIME 8:01

RUN NUMBER EPAVOA 867 QC REPORT NO. 56 ANALYST RJW

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 50 | 15 - 40% of the base peak | 18.08 |
| 75 | 30 - 60% of the base peak | 52.87 |
| 95 | Base peak, 100% relative abundance | 100 |
| 96 | 5 - 9% of the base peak | 5.74 |
| 173 | Less than 1% of the base peak | — |
| 174 | Greater than 50% of the base peak | 57.76 |
| 175 | 5 - 9% of mass 174 | 4.09 (7.08)[1] |
| 176 | Greater than 95%, but less than 101% of 174 | 56.29 (97.48)[1] |
| 177 | 5 - 9% of mass 176 | 3.18 (5.65)[2] |

[1]Value in parenthesis is % of mass 174.
[2]Value in parenthesis is % of mass 176.

Comments:

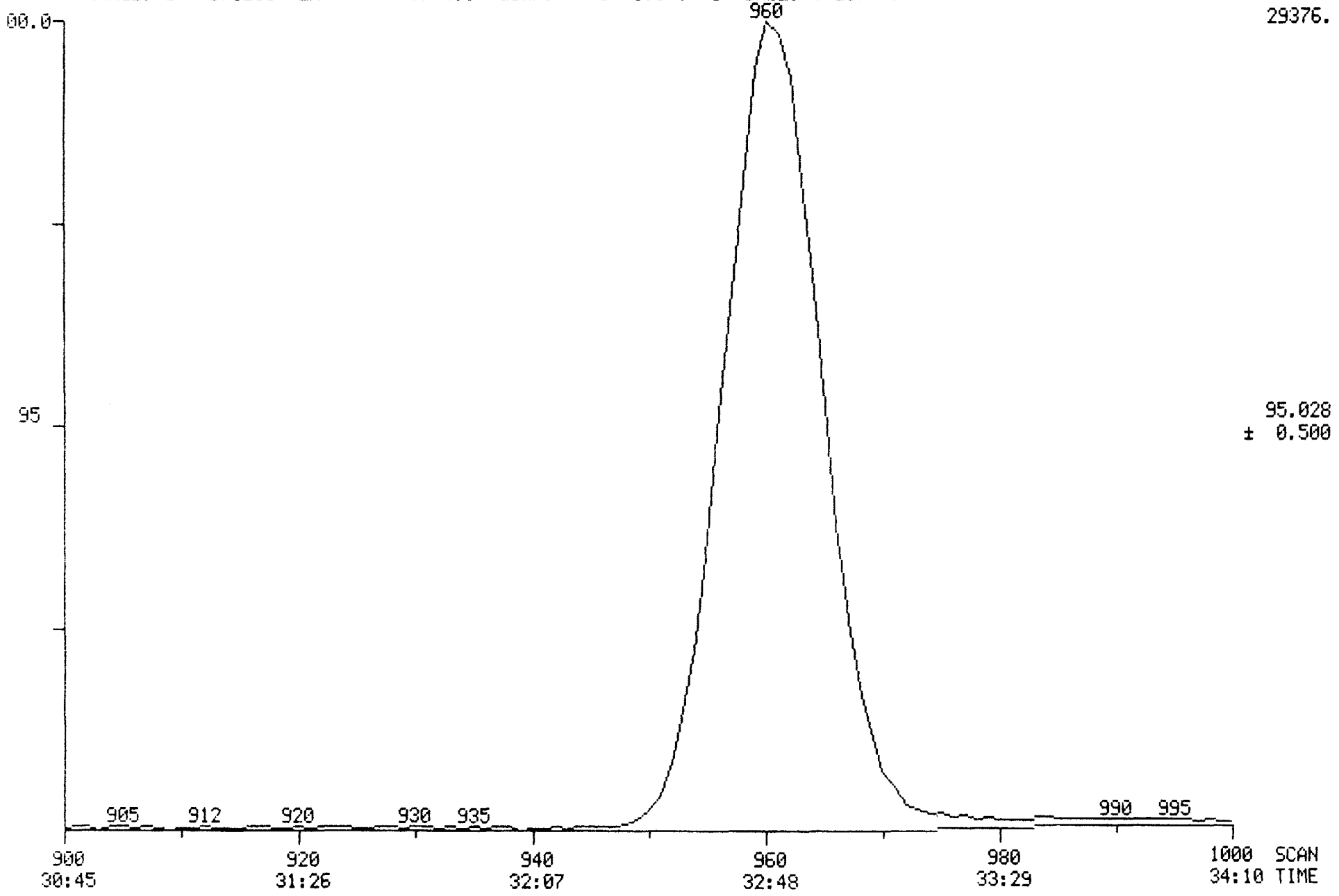
Revision Date 1/83

DATA: EPAVOA867 # 960 BASE M/E: 95
02/26/84 8:01:00 + 32:48 CALI: EPAVOA867 # 1 RIC: 95104.
SAMPLE:
CONDS. :
ENHANCED (S 15B 2N OT)

37 0.00 0.00 0. MINIMA MIN INTEN: 0.
177 # 0 MAXIMA

| MASS | % RA | % RIC | INTEN. | MASS | % RA | % RIC | INTEN. |
|---|---|---|---|---|---|---|---|
| 37.00 | 2.74 | 0.66 | 628. | 143.00 | 0.93 | 0.22 | 213. |
| 38.00 | 3.06 | 0.73 | 699. | 148.00 | 0.17 | 0.04 | 39. |
| 39.00 | 1.23 | 0.30 | 281. | 149.00 | 0.16 | 0.04 | 36. |
| 48.00 | 0.62 | 0.15 | 141. | 174.00 | 57.76 | 13.90 | 13216. |
| 49.00 | 3.68 | 0.88 | 841. | 175.00 | 4.09 | 0.98 | 935. |
| 50.00 | 18.08 | 4.35 | 4136. | 176.00 | 56.29 | 13.54 | 12880. |
| 51.00 | 5.34 | 1.28 | 1222. | 177.00 | 3.18 | 0.77 | 728. |
| 53.00 | 0.34 | 0.08 | 78. | | | | |
| 55.00 | 0.47 | 0.11 | 108. | | | | |
| 56.00 | 1.53 | 0.37 | 349. | | | | |
| 57.00 | 2.63 | 0.63 | 602. | | | | |
| 60.00 | 0.92 | 0.22 | 210. | | | | |
| 61.00 | 4.22 | 1.02 | 966. | | | | |
| 62.00 | 4.13 | 0.99 | 944. | | | | |
| 63.00 | 2.66 | 0.64 | 609. | | | | |
| 65.00 | 0.23 | 0.06 | 53. | | | | |
| 67.00 | 0.76 | 0.18 | 173. | | | | |
| 68.00 | 11.64 | 2.80 | 2664. | | | | |
| 69.00 | 10.82 | 2.60 | 2476. | | | | |
| 70.00 | 0.87 | 0.21 | 198. | | | | |
| 72.00 | 0.47 | 0.11 | 107. | | | | |
| 73.00 | 4.28 | 1.03 | 980. | | | | |
| 74.00 | 17.41 | 4.19 | 3984. | | | | |
| 75.00 | 52.87 | 12.72 | 12096. | | | | |
| 76.00 | 4.75 | 1.14 | 1086. | | | | |
| 78.00 | 0.40 | 0.10 | 92. | | | | |
| 79.00 | 2.61 | 0.63 | 597. | | | | |
| 80.00 | 1.07 | 0.26 | 244. | | | | |
| 81.00 | 2.28 | 0.55 | 521. | | | | |
| 82.00 | 0.55 | 0.13 | 125. | | | | |
| 87.00 | 2.80 | 0.67 | 641. | | | | |
| 88.00 | 2.90 | 0.70 | 664. | | | | |
| 93.00 | 3.74 | 0.90 | 856. | | | | |
| 94.00 | 11.57 | 2.78 | 2648. | | | | |
| 95.00 | 100.00 | 24.06 | 22880. | | | | |
| 96.00 | 5.74 | 1.38 | 1314. | | | | |
| 98.00 | 0.17 | 0.04 | 39. | | | | |
| 102.00 | 0.27 | 0.06 | 61. | | | | |
| 106.00 | 0.48 | 0.12 | 110. | | | | |
| 107.00 | 0.22 | 0.05 | 50. | | | | |
| 111.00 | 0.23 | 0.05 | 52. | | | | |
| 115.00 | 0.27 | 0.07 | 62. | | | | |
| 116.00 | 0.40 | 0.10 | 92. | | | | |
| 117.00 | 0.45 | 0.11 | 104. | | | | |
| 118.00 | 0.45 | 0.11 | 104. | | | | |
| 120.00 | 0.42 | 0.10 | 95. | | | | |
| 127.00 | 0.17 | 0.04 | 39. | | | | |
| 131.00 | 0.19 | 0.05 | 43. | | | | |
| 135.00 | 0.12 | 0.03 | 27. | | | | |
| 141.00 | 1.00 | 0.24 | 228. | | | | |

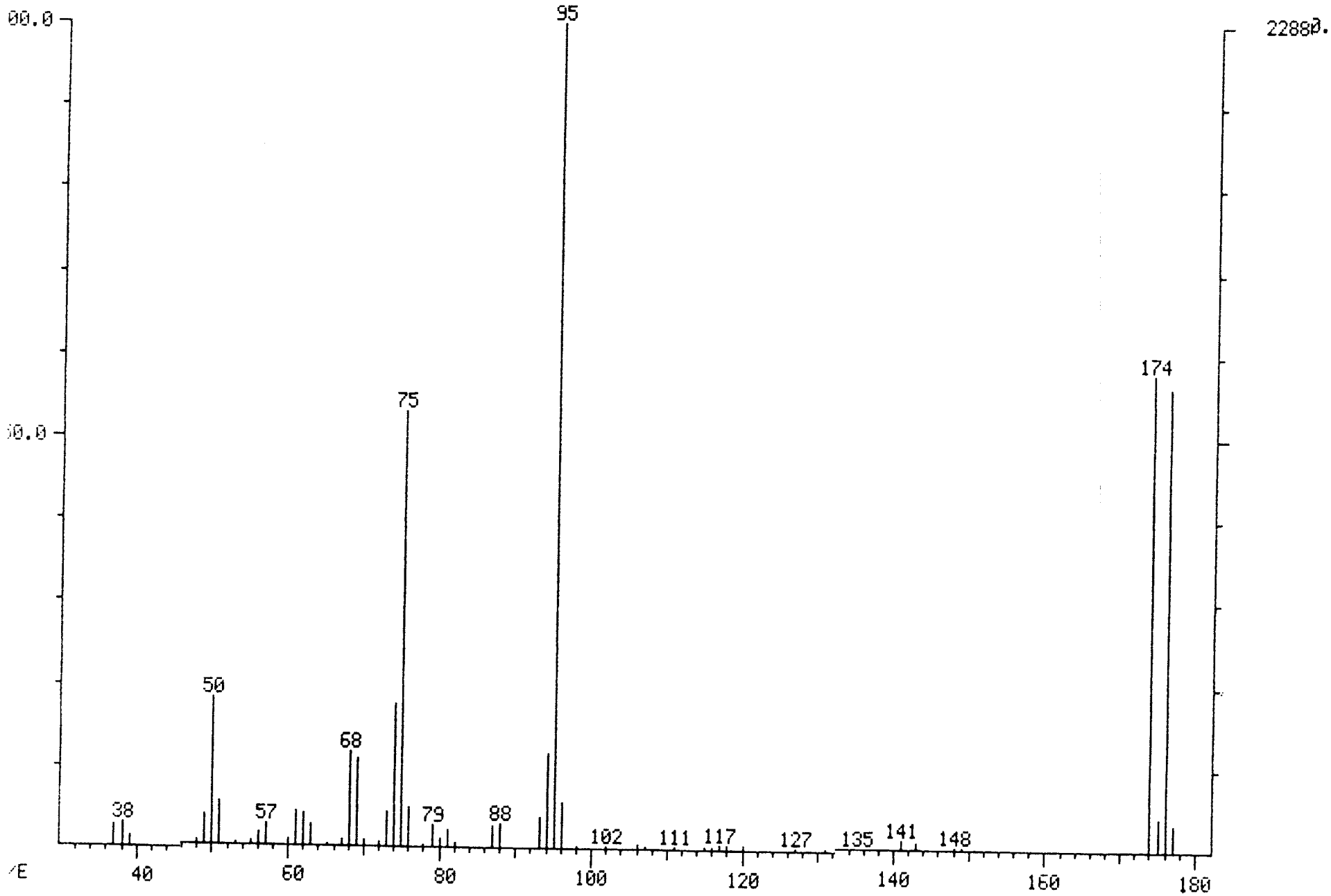
MASS CHROMATOGRAM DATA: EPAVOA867 #1 SCANS 900 TO 1000
02/26/84 8:01:00 CALI: EPAVOA867 #1
SAMPLE:
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



MASS SPECTRUM
02/26/84 8:01:00 + 32:48
SAMPLE:
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA867 #960
CALI: EPAVOA867 #1

BASE M/E: 95
RIC: 95104.



GC/MS PERFORMANCE STANDARD

Bromofluorobenzene

CASE NO. 2459 CONTRACTOR USTCO CONTRACT NO. 68-01-~~6807~~ 6726

INSTRUMENT ID VOA DATE 2/26/84 TIME 11:00

RUN NUMBER EPAVOA 870 QC REPORT NO. 56 ANALYST RJW

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 50 | 15 - 40% of the base peak | 18.98 |
| 75 | 30 - 60% of the base peak | 53.09 |
| 95 | Base peak, 100% relative abundance | 100 |
| 96 | 5 - 9% of the base peak | 6.29 |
| 173 | Less than 1% of the base peak | — |
| 174 | Greater than 50% of the base peak | 52.52 |
| 175 | 5 - 9% of mass 174 | 3.87 (6.84)[1] |
| 176 | Greater than 95%, but less than 101% of 174 | 54.32 (96.6)[1] |
| 177 | 5 - 9% of mass 176 | 3.39 (6.24)[2] |

[1]Value in parenthesis is % of mass 174.
[2]Value in parenthesis is % of mass 176.

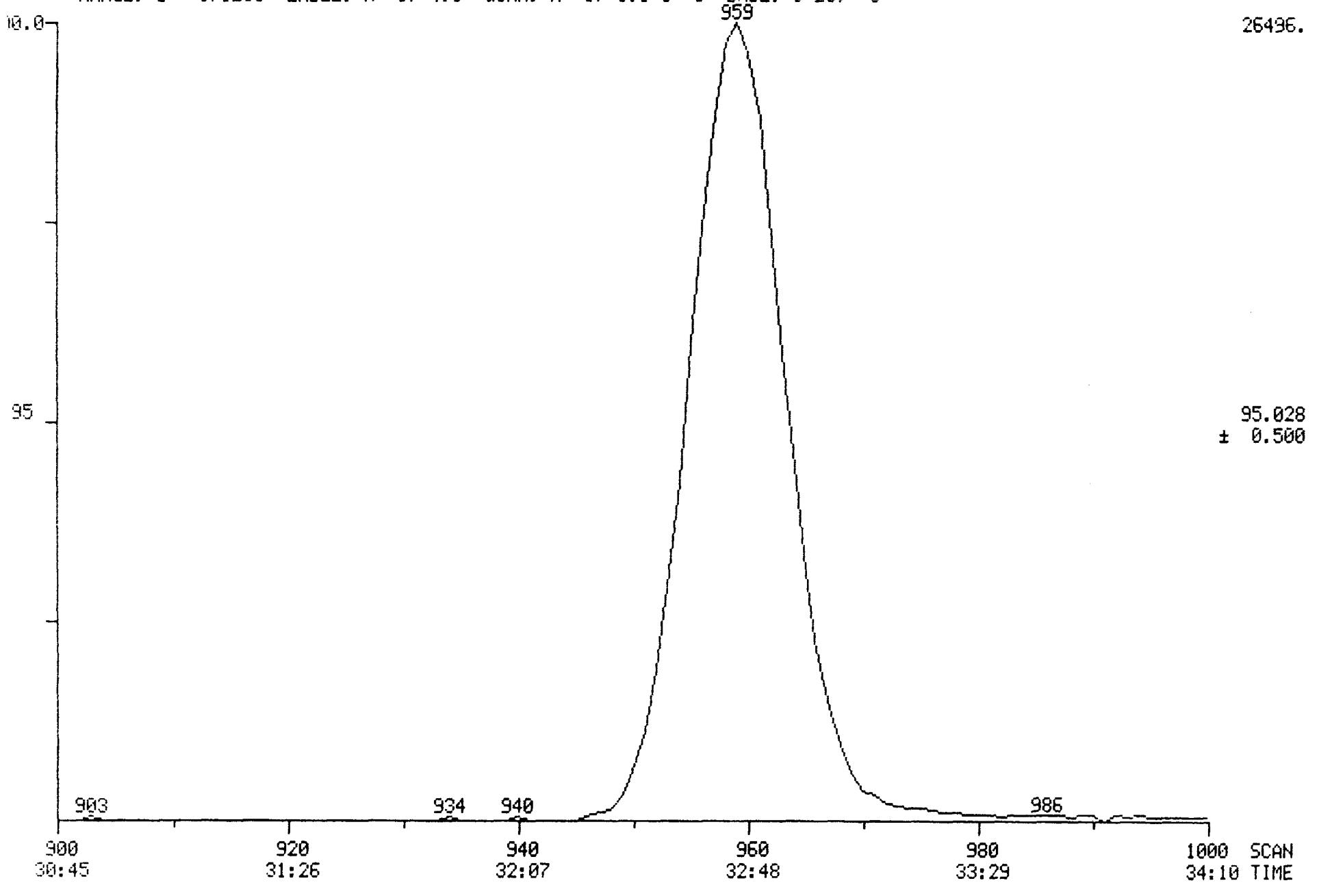
Comments:

Revision Date 1/83

02/26/84 11:00:00 + 32:46 CALI: EPAVOA870 # 1 RIC: 85120.
SAMPLE: P 200 UG/L STANDARD
CONDS. :
ENHANCED (S 15B 2N OT)

| | | | | | |
|---|---|---|---|---|---|
| 36 | 0.00 | 0.00 | 0. | MINIMA | MIN INTEN: 0. |
| 177 | | | # 0 | MAXIMA | |
| MASS | % RA | % RIC | INTEN. | | |
| 36.00 | 0.76 | 0.19 | 158. | | |
| 37.00 | 3.11 | 0.76 | 645. | | |
| 38.00 | 2.59 | 0.63 | 538. | | |
| 39.00 | 1.12 | 0.27 | 233. | | |
| 47.00 | 1.05 | 0.25 | 217. | | |
| 49.00 | 3.44 | 0.84 | 714. | | |
| 50.00 | 18.98 | 4.62 | 3936. | | |
| 51.00 | 5.02 | 1.22 | 1040. | | |
| 52.00 | 0.18 | 0.04 | 38. | | |
| 56.00 | 1.50 | 0.37 | 311. | | |
| 57.00 | 2.60 | 0.63 | 539. | | |
| 60.00 | 0.79 | 0.19 | 164. | | |
| 61.00 | 4.04 | 0.98 | 837. | | |
| 62.00 | 4.45 | 1.08 | 922. | | |
| 63.00 | 3.14 | 0.76 | 651. | | |
| 67.00 | 0.62 | 0.15 | 128. | | |
| 68.00 | 11.03 | 2.69 | 2288. | | |
| 69.00 | 10.57 | 2.58 | 2192. | | |
| 72.00 | 0.88 | 0.21 | 183. | | |
| 73.00 | 4.60 | 1.12 | 954. | | |
| 74.00 | 16.76 | 4.08 | 3476. | | |
| 75.00 | 53.09 | 12.93 | 11008. | | |
| 76.00 | 4.05 | 0.99 | 839. | | |
| 78.00 | 0.73 | 0.18 | 152. | | |
| 79.00 | 2.08 | 0.51 | 431. | | |
| 81.00 | 2.31 | 0.56 | 478. | | |
| 87.00 | 3.00 | 0.73 | 623. | | |
| 88.00 | 3.24 | 0.79 | 671. | | |
| 92.00 | 2.48 | 0.60 | 514. | | |
| 93.00 | 4.13 | 1.01 | 857. | | |
| 94.00 | 11.59 | 2.82 | 2404. | | |
| 95.00 | 100.00 | 24.36 | 20736. | | |
| 96.00 | 6.26 | 1.52 | 1298. | | |
| 97.00 | 0.25 | 0.06 | 52. | | |
| 117.00 | 0.73 | 0.18 | 151. | | |
| 141.00 | 0.80 | 0.19 | 165. | | |
| 143.00 | 0.82 | 0.20 | 171. | | |
| 174.00 | 56.56 | 13.78 | 11728. | | |
| 175.00 | 3.87 | 0.94 | 802. | | |
| 176.00 | 54.32 | 13.23 | 11264. | | |
| 177.00 | 3.39 | 0.83 | 703. | | |

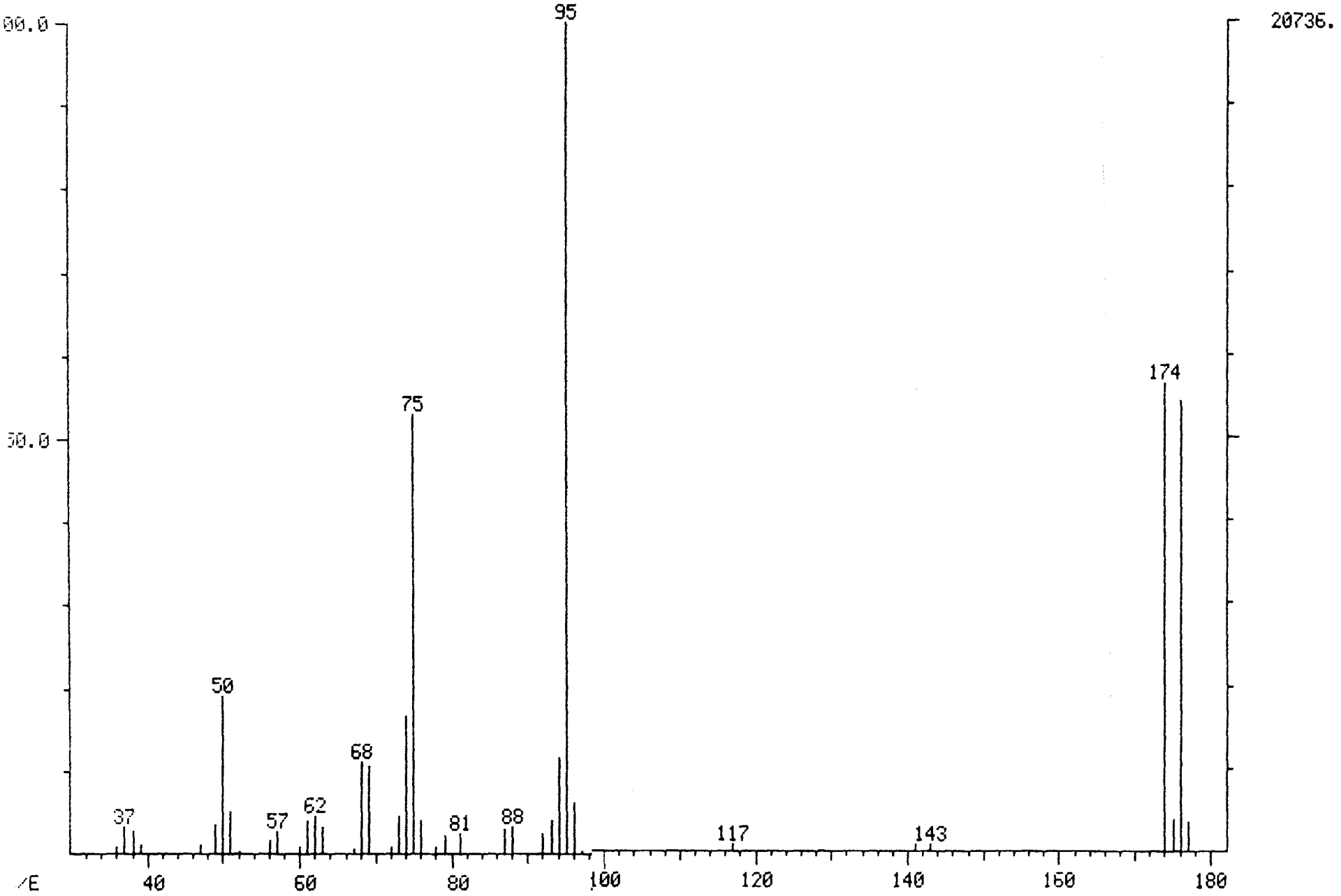
MASS CHROMATOGRAM DATA: EPAVOA870 #1 SCANS 900 TO 1000
02/26/84 11:00:00 CALI: EPAVOA870 #1
SAMPLE: P 200 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



MASS SPECTRUM
02/26/84 11:00:00 + 32:46
SAMPLE: P 200 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA870 #959
CALI: EPAVOA870 #1

BASE M/E: 95
RIC: 85120.



GC/MS PERFORMANCE STANDARD

Bromofluorobenzene

CASE NO. 2459-2502 CONTRACTOR USTCO CONTRACT NO. 68-01-6807

INSTRUMENT ID UOA DATE 2/26/84 TIME 20:08

RUN NUMBER EPAUOA880 QC REPORT NO. 56/57 ANALYST RJW

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 50 | 15 - 40% of the base peak | 23.20 |
| 75 | 30 - 60% of the base peak | 44.96 |
| 95 | Base peak, 100% relative abundance | 100 |
| 96 | 5 - 9% of the base peak | 6.38 |
| 173 | Less than 1% of the base peak | — |
| 174 | Greater than 50% of the base peak | 62.57 |
| 175 | 5 - 9% of mass 174 | 4.78 (7.64)[1] |
| 176 | Greater than 95%, but less than 101% of 174 | 61.19 (97.77)[1] |
| 177 | 5 - 9% of mass 176 | 3.97 (6.49)[2] |

[1]Value in parenthesis is % of mass 174.
[2]Value in parenthesis is % of mass 176.

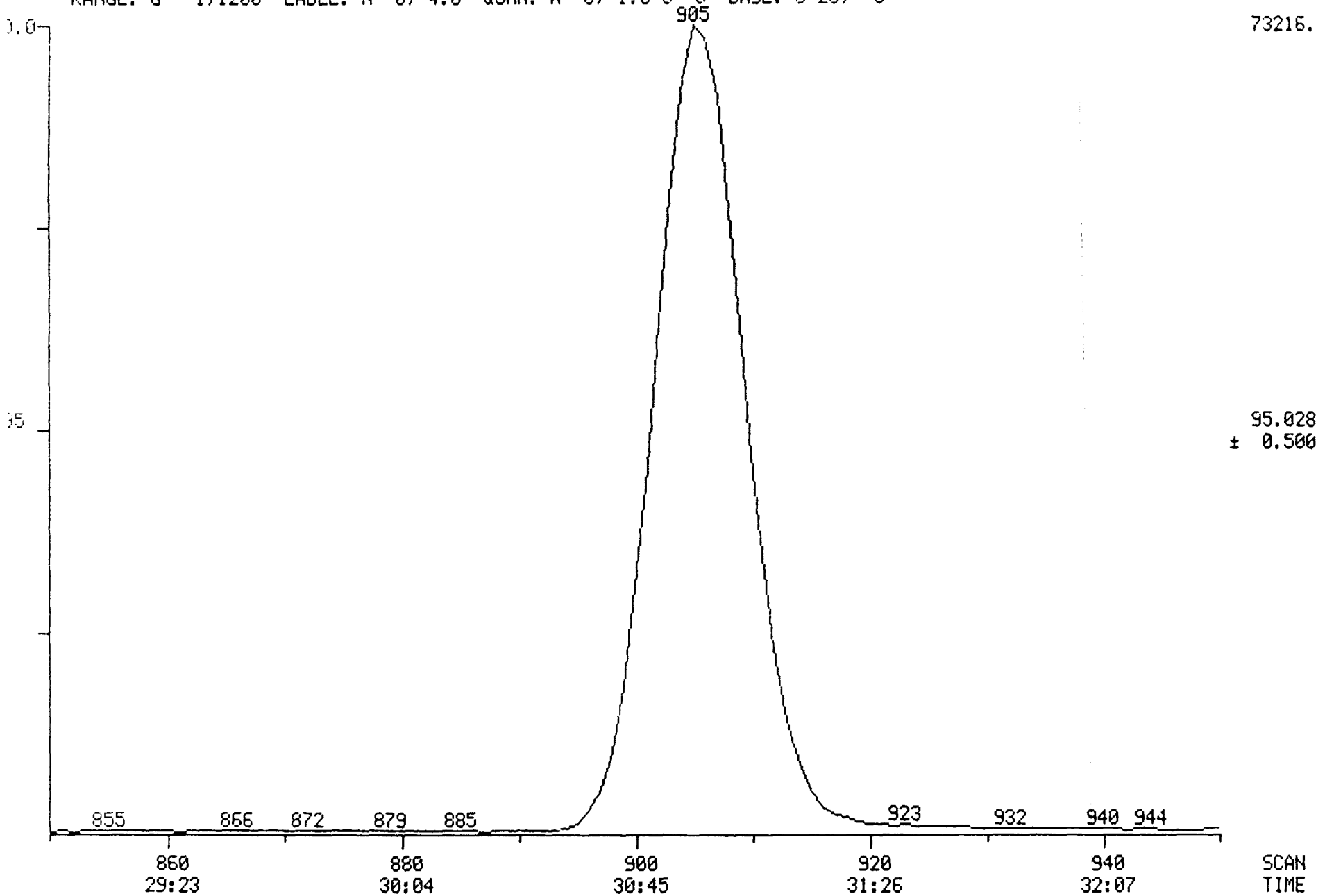
Comments:

Revision Date 1/83

[illegible] CALI: EPAVOA880 # 1 RIC: 283168.
SAMPLE: @ 50 UG/L STANDARD
CONDS. :
ENHANCED (S 15B 2N OT)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 36 | 0.00 | 0.00 | 0. | MINIMA | MIN INTEN: | | 0. |
| 177 | | | # 0 | MAXIMA | | | |
| MASS | % RA | % RIC | INTEN. | MASS | % RA | % RIC | INTEN. |
| 36.00? | 1.35 | 0.31 | 813. | 119.00 | 0.26 | 0.06 | 159. |
| 37.00? | 7.71 | 1.77 | 4656. | 120.00 | 0.16 | 0.04 | 96. |
| 38.00? | 6.87 | 1.57 | 4144. | 121.00 | 0.13 | 0.03 | 78. |
| 39.00? | 2.32 | 0.53 | 1400. | 123.00 | 0.17 | 0.04 | 105. |
| 45.00? | 0.99 | 0.23 | 597. | 124.00 | 0.18 | 0.04 | 108. |
| 47.00? | 2.25 | 0.52 | 1360. | 125.00 | 0.14 | 0.03 | 84. |
| 48.00? | 0.89 | 0.21 | 540. | 130.00 | 0.45 | 0.10 | 270. |
| 49.00? | 4.65 | 1.07 | 2804. | 135.00 | 0.23 | 0.05 | 139. |
| 50.00? | 23.20 | 5.32 | 14000. | 137.00 | 0.10 | 0.02 | 60. |
| 51.00? | 6.59 | 1.51 | 3976. | 141.00 | 0.33 | 0.08 | 198. |
| 52.00? | 0.35 | 0.08 | 214. | 143.00 | 0.47 | 0.11 | 283. |
| 55.00? | 0.69 | 0.16 | 419. | 146.00 | 0.39 | 0.09 | 233. |
| 56.00? | 1.41 | 0.32 | 851. | 148.00 | 0.37 | 0.09 | 224. |
| 57.00? | 2.39 | 0.55 | 1444. | 150.00 | 0.06 | 0.01 | 38. |
| 61.00? | 4.08 | 0.94 | 2464. | 154.00 | 0.09 | 0.02 | 52. |
| 62.00? | 4.02 | 0.92 | 2424. | 155.00 | 0.35 | 0.08 | 213. |
| 63.00? | 2.79 | 0.64 | 1682. | 159.00 | 0.23 | 0.05 | 138. |
| 64.00? | 0.30 | 0.07 | 184. | 172.00 | 0.10 | 0.02 | 58. |
| 67.00? | 0.61 | 0.14 | 367. | 174.00 | 62.57 | 14.35 | 37760. |
| 68.00? | 9.32 | 2.14 | 5624. | 175.00 | 4.78 | 1.10 | 2884. |
| 69.00 | 8.92 | 2.05 | 5384. | 176.00 | 61.19 | 14.03 | 36928. |
| 70.00 | 0.56 | 0.13 | 339. | 177.00 | 3.97 | 0.91 | 2396. |
| 72.00 | 0.53 | 0.12 | 318. | | | | |
| 73.00 | 3.76 | 0.86 | 2272. | | | | |
| 74.00 | 14.50 | 3.33 | 8752. | | | | |
| 75.00 | 44.96 | 10.31 | 27136. | | | | |
| 76.00 | 3.90 | 0.90 | 2356. | | | | |
| 77.00 | 0.88 | 0.20 | 531. | | | | |
| 78.00 | 0.58 | 0.13 | 352. | | | | |
| 79.00 | 1.43 | 0.33 | 861. | | | | |
| 81.00 | 1.79 | 0.41 | 1078. | | | | |
| 86.00 | 0.28 | 0.06 | 171. | | | | |
| 87.00 | 5.03 | 1.15 | 3036. | | | | |
| 88.00 | 5.87 | 1.35 | 3544. | | | | |
| 92.00 | 2.16 | 0.50 | 1306. | | | | |
| 93.00 | 3.48 | 0.80 | 2100. | | | | |
| 94.00 | 9.95 | 2.28 | 6008. | | | | |
| 95.00 | 100.00 | 22.93 | 60352. | | | | |
| 96.00 | 6.38 | 1.46 | 3848. | | | | |
| 100.00 | 0.03 | 0.01 | 19. | | | | |
| 102.00 | 0.07 | 0.02 | 44. | | | | |
| 103.00 | 0.15 | 0.03 | 88. | | | | |
| 104.00 | 0.23 | 0.05 | 141. | | | | |
| 105.00 | 0.21 | 0.05 | 129. | | | | |
| 106.00 | 0.32 | 0.07 | 192. | | | | |
| 107.00 | 0.11 | 0.03 | 68. | | | | |
| 110.00 | 0.15 | 0.03 | 88. | | | | |
| 114.00 | 0.08 | 0.02 | 51. | | | | |
| 117.00 | 0.41 | 0.09 | 250. | | | | |
| 118.00 | 0.22 | 0.05 | 131. | | | | |

MASS CHROMATOGRAM DATA: EPAVOA880 #1 SCANS 850 TO 950
02/26/84 20:08:00 CALI: EPAVOA880 #1
SAMPLE: @ 50 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



GC/MS PERFORMANCE STANDARD

Bromofluorobenzene

CASE NO. 2459-2502 CONTRACTOR USTCO CONTRACT NO. 68-01-6850

INSTRUMENT ID VOA DATE 2-26-84 TIME 22:39

RUN NUMBER OPAVOA883 QC REPORT NO. 56/57 ANALYST RJW

TUNE CHECK:

| m/e | Ion Abundance Criteria | % Relative Abundance |
|---|---|---|
| 50 | 15 - 40% of the base peak | 23.24 |
| 75 | 30 - 60% of the base peak | 45.23 |
| 95 | Base peak, 100% relative abundance | 100 |
| 96 | 5 - 9% of the base peak | 6.49 |
| 173 | Less than 1% of the base peak | 0.67 |
| 174 | Greater than 50% of the base peak | 62.97 |
| 175 | 5 - 9% of mass 174 | 4.57 (7.26)[1] |
| 176 | Greater than 95%, but less than 101% of 174 | 61.70 (97.9)[1] |
| 177 | 5 - 9% of mass 176 | 3.85 (6.24)[2] |

[1]Value in parenthesis is % of mass 174.
[2]Value in parenthesis is % of mass 176.

Comments:

Revision Date 1/83

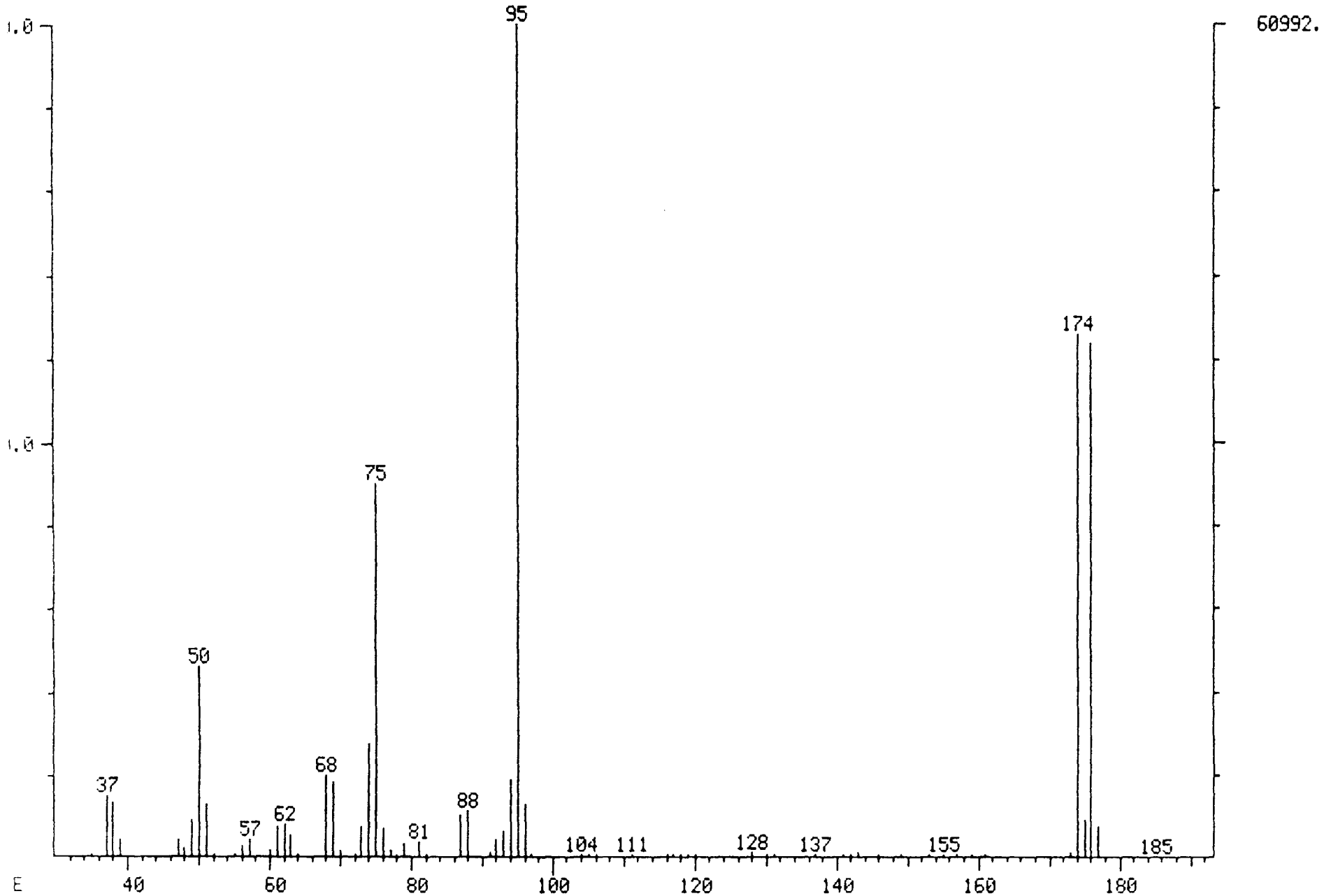
02/28/84 22:39:00 + 30.57 CALI: EPAVOA883 # 1 RIC: 285216.
SAMPLE: @ 200 UG/L STANDARD
CONDS..
ENHANCED (S 15B 2N OT)

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 35 | 0.00 | 0.00 | 0. | MINIMA | MIN INTEN: | 0. | |
| 187 | | | # 0 | MAXIMA | | | |
| MASS | % RA | % RIC | INTEN. | MASS | % RA | % RIC | INTEN. |
| 35.00? | 0.19 | 0.04 | 115. | 120.00 | 0.19 | 0.04 | 114. |
| 37.00? | 7.57 | 1.74 | 4616. | 128.00 | 0.43 | 0.10 | 265. |
| 38.00? | 6.59 | 1.52 | 4020. | 130.00 | 0.29 | 0.07 | 177. |
| 39.00? | 2.21 | 0.51 | 1350. | 131.00 | 0.17 | 0.04 | 105. |
| 47.00? | 2.10 | 0.48 | 1282. | 137.00 | 0.23 | 0.05 | 139. |
| 48.00? | 0.95 | 0.22 | 577. | 139.00 | 0.06 | 0.01 | 34. |
| 49.00? | 4.67 | 1.07 | 2848. | 141.00 | 0.34 | 0.08 | 210. |
| 50.00? | 23.24 | 5.35 | 14176. | 142.00 | 0.14 | 0.03 | 83. |
| 51.00? | 6.34 | 1.46 | 3864. | 143.00 | 0.45 | 0.10 | 275. |
| 52.00? | 0.20 | 0.05 | 120. | 146.00 | 0.19 | 0.04 | 113. |
| 55.00? | 0.36 | 0.08 | 217. | 149.00 | 0.15 | 0.03 | 92. |
| 56.00? | 1.31 | 0.30 | 798. | 150.00 | 0.13 | 0.03 | 77. |
| 57.00? | 2.09 | 0.48 | 1274. | 153.00 | 0.17 | 0.04 | 102. |
| 60.00? | 0.71 | 0.16 | 434. | 155.00 | 0.32 | 0.07 | 197. |
| 61.00? | 3.87 | 0.89 | 2360. | 157.00 | 0.26 | 0.06 | 160. |
| 62.00? | 3.92 | 0.90 | 2392. | 159.00 | 0.21 | 0.05 | 128. |
| 63.00? | 2.70 | 0.62 | 1644. | 161.00 | 0.17 | 0.04 | 101. |
| 64.00? | 0.34 | 0.08 | 209. | 173.00 | 0.67 | 0.15 | 409. |
| 68.00? | 10.06 | 2.31 | 6136. | 174.00 | 62.96 | 14.48 | 38400. |
| 69.00 | 9.14 | 2.10 | 5576. | 175.00 | 4.57 | 1.05 | 2788. |
| 70.00 | 0.68 | 0.16 | 415. | 176.00 | 61.70 | 14.19 | 37632. |
| 72.00 | 0.36 | 0.08 | 222. | 177.00 | 3.85 | 0.89 | 2348. |
| 73.00 | 3.85 | 0.89 | 2348. | 185.00 | 0.09 | 0.02 | 53. |
| 74.00 | 13.82 | 3.18 | 8432. | 187.00 | 0.03 | 0.01 | 21. |
| 75.00 | 45.23 | 10.40 | 27584. | | | | |
| 76.00 | 3.62 | 0.83 | 2208. | | | | |
| 77.00 | 0.76 | 0.17 | 461. | | | | |
| 78.00 | 0.32 | 0.07 | 196. | | | | |
| 79.00 | 1.66 | 0.38 | 1014. | | | | |
| 81.00 | 1.77 | 0.41 | 1082. | | | | |
| 82.00 | 0.33 | 0.08 | 201. | | | | |
| 87.00 | 4.98 | 1.14 | 3036. | | | | |
| 88.00 | 5.55 | 1.28 | 3384. | | | | |
| 91.00 | 0.58 | 0.13 | 355. | | | | |
| 92.00 | 2.09 | 0.48 | 1276. | | | | |
| 93.00 | 3.27 | 0.75 | 1994. | | | | |
| 94.00 | 9.39 | 2.16 | 5728. | | | | |
| 95.00 | 100.00 | 23.00 | 60992. | | | | |
| 96.00 | 6.49 | 1.49 | 3960. | | | | |
| 97.00 | 0.20 | 0.05 | 121. | | | | |
| 104.00 | 0.32 | 0.07 | 195. | | | | |
| 105.00 | 0.26 | 0.06 | 156. | | | | |
| 106.00 | 0.31 | 0.07 | 187. | | | | |
| 110.00 | 0.13 | 0.03 | 81. | | | | |
| 111.00 | 0.23 | 0.05 | 140. | | | | |
| 115.00 | 0.10 | 0.02 | 61. | | | | |
| 116.00 | 0.22 | 0.05 | 136. | | | | |
| 117.00 | 0.39 | 0.09 | 235. | | | | |
| 118.00 | 0.23 | 0.05 | 140. | | | | |
| 119.00 | 0.33 | 0.08 | 202. | | | | |

MASS SPECTRUM
02/26/84 22:39:00 + 30:57
SAMPLE: @ 200 UG/L STANDARD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA883 #906
CALI: EPAVOA883 #1

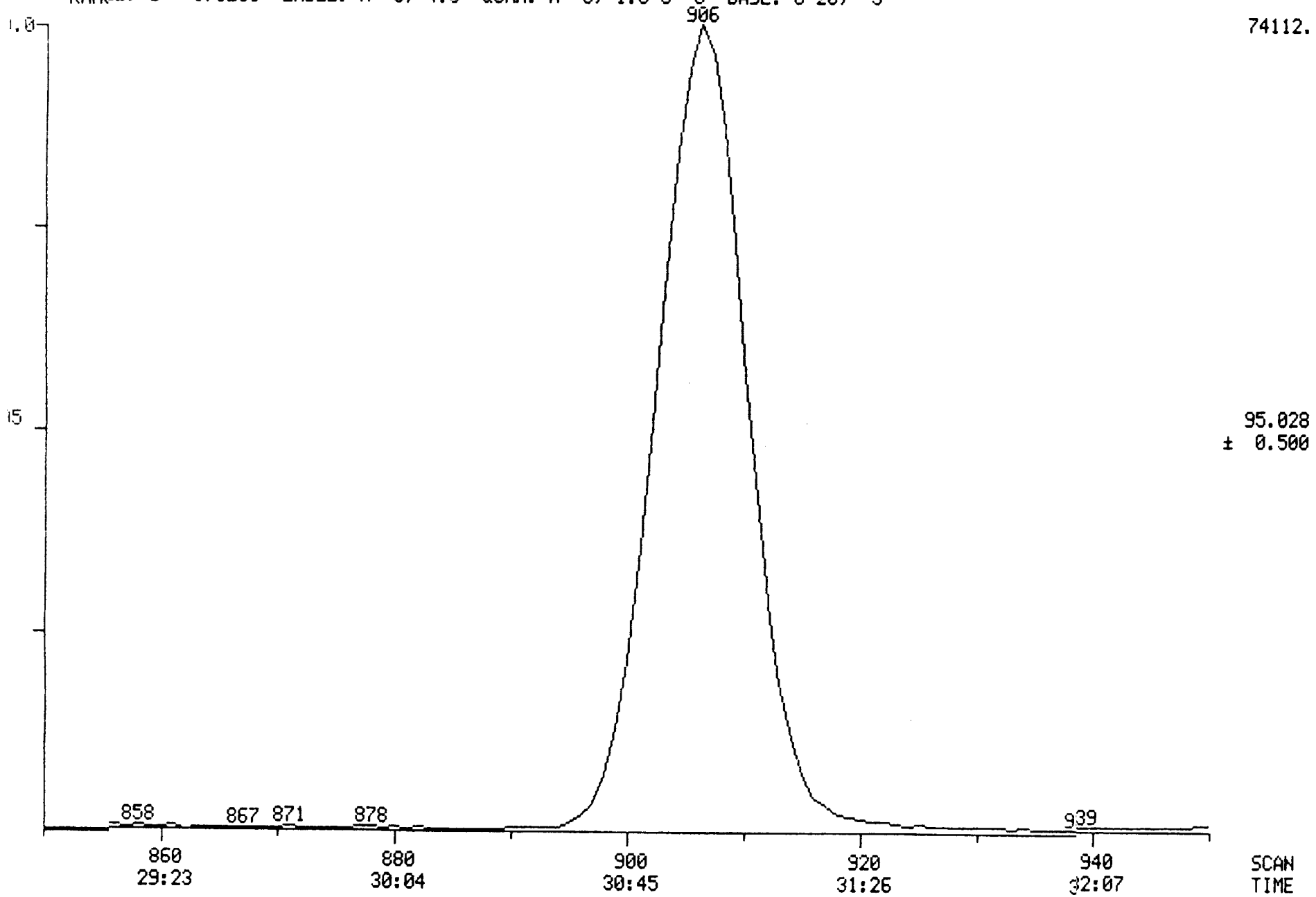
BASE M/E: 95
RIC: 265216.



MASS CHROMATOGRAM
02/26/84 22:39:00
SAMPLE: @ 200 UG/L STANDARD
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA883 #906
CALI: EPAVOA883 #1

SCANS 850 TO 950



P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
REAGENT BLANK
($H_2O$)

# ORGANICS ANALYSIS DATA SHEET

Laboratory Name: U S TESTING
Lab Sample ID No: 77056 - Blank
Sample Matrix: water
Data Release Authorized By: jl

Case No: 2459
QC Report No: 56
Contract No.: 68-01-6726
Date Sample Received: 2/23/84

## VOLATILES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/26/84
DATE ANALYZED: 2/26
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | (ug/l) or ug/kg (circle one) |
|---|---|---|---|
| (2V) | 107-02-8 | acrolein | 100 U |
| (3V) | 107-13-1 | acrylonitrile | 100 U |
| (4V) | 71-43-2 | benzene | 5 U |
| (6V) | 56-23-5 | carbon tetrachloride | 5 U |
| (7V) | 108-90-7 | chlorobenzene | 5 U |
| (10V) | 107-06-2 | 1,2-dichloroethane | 1 U |
| (11V) | 71-55-6 | 1,1,1-trichloroethane | 5 U |
| (13V) | 75-34-3 | 1,1-dichloroethane | 5 U |
| (14V) | 79-00-5 | 1,1,2-trichloroethane | 5 U |
| (15V) | 79-34-5 | 1,1,2,2-tetrachloroethane | 10 U |
| (16V) | 75-00-3 | chloroethane | 10 U |
| (19V) | 110-75-8 | 2-chloroethylvinyl ether | 10 U |
| (23V) | 67-66-3 | chloroform | 5 U |
| (29V) | 75-35-4 | 1,1-dichloroethene | 5 U |
| (30V) | 156-60-5 | trans-1,2-dichloroethene | 5 U |
| (32V) | 78-87-5 | 1,2-dichloropropane | 10 U |
| (33V) | 10061-02-6 | trans-1,3-dichloropropene | 5 U |
| | 10061-01-05 | cis-1,3-dichloropropene | 5 U |
| (38V) | 100-41-4 | ethylbenzene | 5 U |
| (44V) | 75-09-2 | methylene chloride | ~~5 U~~ 7 |
| (45V) | 74-87-3 | chloromethane | 10 U |
| (46V) | 74-83-9 | bromomethane | 10 U |
| (47V) | 75-25-2 | bromoform | 10 U |
| (48V) | 75-27-4 | bromodichloromethane | 5 U |
| (49V) | 75-69-4 | fluorotrichloromethane | |
| (50V) | 75-71-8 | dichlorodifluoromethane | |
| (51V) | 124-48-1 | chlorodibromomethane | 5 U |
| (85V) | 127-18-4 | tetrachloroethene | 5 U |
| (86V) | 108-88-3 | toluene | 5 U |
| (87V) | 79-01-6 | trichloroethene | 5 U |
| (88V) | 75-01-4 | vinyl chloride | 10 U |
| | 67-64-1 | acetone | 5 U |
| | 78-93-3 | 2-butanone | 5 U |
| | 75-15-0 | carbondisulfide | 1 U |
| | 519-78-6 | 2-hexanone | 5 U |
| | 108-10-1 | 4-methyl-2-pentanone | 5 U |
| | 100-42-5 | styrene | 5 U |
| | 108-05-4 | vinyl acetate | 5 U |
| | 1330-20-7 | total xylenes | 5 U |

## PESTICIDES

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 2/29 + 3/13
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | (ug/l) or ug/kg (circle one) |
|---|---|---|---|
| (89P) | 309-00-2 | aldrin | .005 U |
| (90P) | 60-57-1 | dieldrin | .005 U |
| (91P) | 57-74-9 | chlordane | .005 U |
| (92P) | 50-29-3 | 4,4'-DDT | .010 U |
| (93P) | 72-55-9 | 4,4'-DDE | .005 U |
| (94P) | 72-54-8 | 4,4'-DDD | .010 U |
| (95P) | 115-29-7 | α-endosulfan | .005 U |
| (96P) | 115-29-7 | β-endosulfan | .005 U |
| (97P) | 1031-07-8 | endosulfan sulfate | .010 U |
| (98P) | 72-20-8 | endrin | .005 U |
| (99P) | 7421-93-4 | endrin aldehyde | .010 U |
| (100P) | 76-44-8 | heptachlor | .005 U |
| (101P) | 1024-57-3 | heptachlor epoxide | .005 U |
| (102P) | 319-84-6 | α-BHC | .005 U |
| (103P) | 319-85-7 | β-BHC | .005 U |
| (104P) | 319-86-8 | δ-BHC | .005 U |
| (105P) | 58-89-9 | γ-BHC (lindane) | .005 U |
| (106P) | 53469-21-9 | PCB-1242 | .050 U |
| (107P) | 11097-69-1 | PCB-1254 | .100 U |
| (108P) | 11104-28-2 | PCB-1221 | .100 U |
| (109P) | 11141-16-5 | PCB-1232 | .100 U |
| (110P) | 12672-29-6 | PCB-1248 | .100 U |
| (111P) | 11096-82-5 | PCB-1260 | .200 U |
| (112P) | 12674-11-2 | PCB-1016 | .050 U |
| (113P) | 8001-35-2 | toxaphene | .050 U |

## DIOXINS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 3/16
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | (ug/l) or ug/kg (circle one) |
|---|---|---|---|
| (129B) | 1746-01-6 | 2,3,7,8-tetrachlorodibenzo-p-dioxin | .005 U |

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
REAGENT BLANK
($H_2O$)

## ORGANICS ANALYSIS DATA SHEET

Laboratory Name: U S TESTING
Case No: 2459
Lab Sample ID No: 77056-Blank
QC Report No: 52
Sample Matrix: water
Contract No.: 68-01-6726
Data Release Authorized By: jl
Date Sample Received: 2/23/84

### SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 3/5
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | (ug/l) or ug/kg (circle one) |
|---|---|---|---|
| (21A) | 88-06-2 | 2,4,6- trichlorophenol | 10 U |
| (22A) | 59-50-7 | p-chloro-m-cresol | 10 U |
| (24A) | 95-57-8 | 2- chlorophenol | 10 U |
| (31A) | 120-83-2 | 2,4-dichlorophenol | 10 U |
| (34A) | 105-67-9 | 2,4-dimethylphenol | 10 U |
| (57A) | 88-75-5 | 2- nitrophenol | 20 U |
| (58A) | 100-02-7 | 4-nitrophenol | 50 U |
| (59A) | 51-28-5 | 2,4-dinitrophenol | 50 U |
| (60A) | 534-52-1 | 4,6-dinitro-2-methylphenol | 20 U |
| (64A) | 87-86-5 | pentachlorophenol | 10 U |
| (65A) | 108-95-2 | phenol | 10 U |
| | 65-85-0 | benzoic acid | 100 U |
| | 95-48-7 | 2-methylphenol | 5 U |
| | 108-39-4 | 4-methylphenol | 5 U |
| | 95-95-4 | 2,4,5-trichlorophenol | 100 U |
| (1B) | 83-32-9 | acenaphthene | 10 U |
| (5B) | 92-87-5 | benzidine | 40 U |
| (8B) | 120-82-1 | 1,2,4-trichlorobenzene | 10 U |
| (9B) | 118-74-1 | hexachlorobenzene | 10 U |
| (12B) | 67-72-1 | hexachloroethane | 10 U |
| (18B) | 111-44-4 | bis(2-chloroethyl)ether | 10 U |
| (20B) | 91-58-7 | 2-chloronaphthalene | 10 U |
| (25B) | 95-50-1 | 1,2-dichlorobenzene | 10 U |
| (26B) | 541-73-1 | 1,3-dichlorobenzene | 10 U |
| (27B) | 106-46-7 | 1,4-dichlorobenzene | 10 U |
| (28B) | 91-94-1 | 3,3'-dichlorobenzidine | 20 U |
| (35B) | 121-14-2 | 2,4-dinitrotoluene | 20 U |
| (36B) | 606-20-2 | 2,6-dinitrotoluene | 20 U |
| (37B) | 122-66-7 | 1,2-diphenylhydrazine | 20 U |
| (39B) | 206-44-0 | fluoranthene | 10 U |
| (40B) | 7005-72-3 | 4-chlorophenyl phenyl ether | 10 U |
| (41B) | 101-55-3 | 4-bromophenyl phenyl ether | 10 U |
| (42B) | 39638-32-9 | bis (2-chloroisopropyl) ether | 20 U |
| (43B) | 111-91-1 | bis (2-chloroethoxy) methane | 20 U |

| PP # | CAS # | | (ug/l) or ug/kg (circle one) |
|---|---|---|---|
| (52B) | 87-68-3 | hexachlorobutadiene | 10 U |
| (53B) | 77-47-4 | hexachlorocyclopentadiene | 10 U |
| (54B) | 78-59-1 | isophorone | 10 U |
| (55B) | 91-20-3 | naphthalene | 10 U |
| (56B) | 98-95-3 | nitrobenzene | 10 U |
| (61B) | 62-75-9 | N-nitrosodimethylamine | 10 U |
| (62B) | 86-30-6 | N-nitrosodiphenylamine | 10 U |
| (63B) | 621-64-7 | N-nitrosodipropylamine | 10 U |
| (66B) | 117-81-7 | bis (2-ethylhexyl) phthalate | 10 U |
| (67B) | 85-68-7 | benzyl butyl phthalate | 10 U |
| (68B) | 84-74-2 | di-n-butyl phthalate | 10 U |
| (69B) | 117-84-0 | di-n-octyl phthalate | 10 U |
| (70B) | 84-66-2 | diethyl phthalate | 10 U |
| (71B) | 131-11-3 | dimethyl phthalate | 10 U |
| (72B) | 56-55-3 | benzo(a)anthracene | 10 U |
| (73B) | 50-32-8 | benzo(a)pyrene | 20 U |
| (74B) | 205-99-2 | benzo(b)fluoranthene | 20 U |
| (75B) | 207-08-9 | benzo(k)fluoranthene | 20 U |
| (76B) | 218-01-9 | chrysene | 20 U |
| (77B) | 208-96-8 | acenaphthylene | 10 U |
| (78B) | 120-12-7 | anthracene | 10 U |
| (79B) | 191-24-2 | benzo(ghi)perylene | 20 U |
| (80B) | 86-73-7 | fluorene | 10 U |
| (81B) | 85-01-8 | phenanthrene | 10 U |
| (82B) | 53-70-3 | dibenzo(a,h)anthracene | 20 U |
| (83B) | 193-39-5 | indeno(1,2,3-cd)pyrene | 20 U |
| (84B) | 129-00-0 | pyrene | 10 U |
| | 62-53-3 | aniline | 5 U |
| | 100-51-6 | benzyl alcohol | 20 U |
| | 106-47-8 | 4-chloroaniline | 50 U |
| | 132-64-9 | dibenzofuran | 10 U |
| | 91-57-6 | 2-methylnaphthalene | 20 U |
| | 88-74-4 | 2-nitroaniline | 100 U |
| | 99-09-2 | 3-nitroaniline | 100 U |
| | 100-01-6 | 4-nitroaniline | 100 U |

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
REAGENT BLANK
($H_2O$)

Laboratory Name: U S TESTING Case No: 2459

QC Report No: 56

B. Tentatively Identified Compounds

| CAS # | Compound Name | Fraction | Scan No. or Retention Time | % Maximum Score Attained Mass Matching Routine: (Specify: FIT) | Estimated Concentration (ug/L or ug/kg) |
|---|---|---|---|---|---|
| 1. | Unknown | ABN | 258 | | 45 |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
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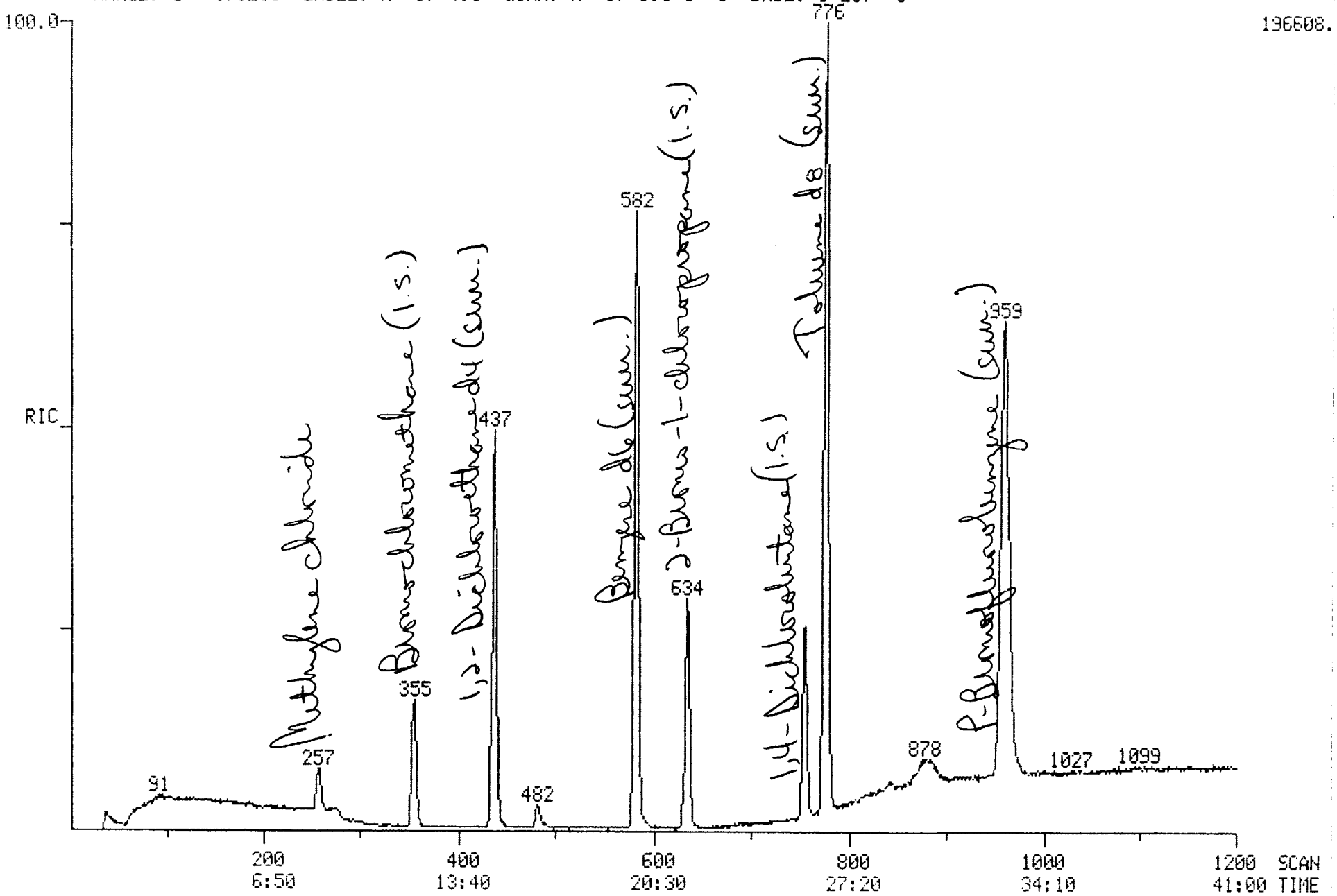
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

RIC
02/26/84 19:00:00
SAMPLE: 77056-BLANK ($H_2O$)
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA879 #1
CALI: EPAVOA879 #1

SCANS 1 TO 1200



QUANTITATION REPORT  FILE: EPAVOA879

DATA: EPAVOA879.TI
02/26/84 19:00:00
SAMPLE: 77056-BLANK
SUBMITTED BY:  ANALYST:

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

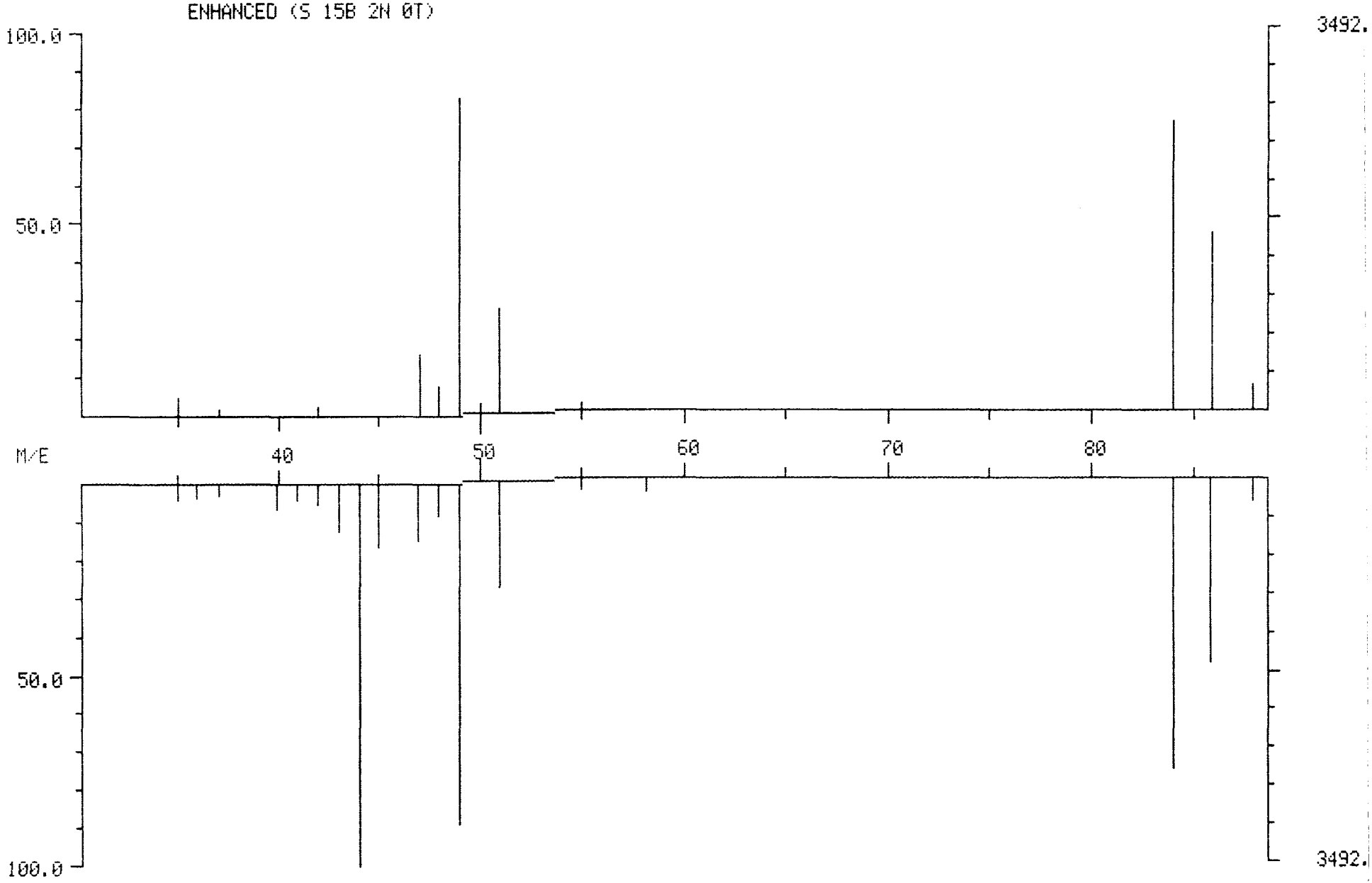
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 355 | 12:08 | 1 | 1.000 | A BB | 29828. | 50.000 UG/L | 8.85 |
| 2 | 77 | 634 | 21:40 | 2 | 1.000 | A BB | 100165. | 50.000 UG/L | 8.85 |
| 3 | 55 | 754 | 25:46 | 3 | 1.000 | A BV | 101173. | 50.000 UG/L | 8.85 |
| 4 | NOT FOUND | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | 84 | 257 | 8:47 | 1 | 0.724 | A BB | 13381. | 6.792 UG/L | 1.20 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 9 | NOT FOUND | | | | | | | | |
| 10 | NOT FOUND | | | | | | | | |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | NOT FOUND | | | | | | | | |
| 15 | NOT FOUND | | | | | | | | |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | NOT FOUND | | | | | | | | |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | NOT FOUND | | | | | | | | |
| 26 | NOT FOUND | | | | | | | | |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | 65 | 437 | 14:56 | 2 | 0.689 | A BB | 214313. | 106.448 UG/L | 18.84 |
| 34 | 84 | 582 | 19:53 | 2 | 0.918 | A BB | 388957. | 103.948 UG/L | 18.39 |
| 35 | NOT FOUND | | | | | | | | |
| 36 | NOT FOUND | | | | | | | | |
| 37 | NOT FOUND | | | | | | | | |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| 40 | NOT FOUND | | | | | | | | |
| 41 | NOT FOUND | | | | | | | | |
| 42 | NOT FOUND | | | | | | | | |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | NOT FOUND | | | | | | | | |
| 46 | 98 | 776 | 26:31 | 3 | 1.029 | A BB | 386016. | 95.764 UG/L | 16.95 |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | NOT FOUND | | | | | | | | |
| 50 | 95 | 960 | 32:48 | 3 | 1.273 | A BB | 251614. | 102.351 UG/L | 18.11 |

DUAL MASS SPECTRUM
02/26/84 19:00:00 + 8:47
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

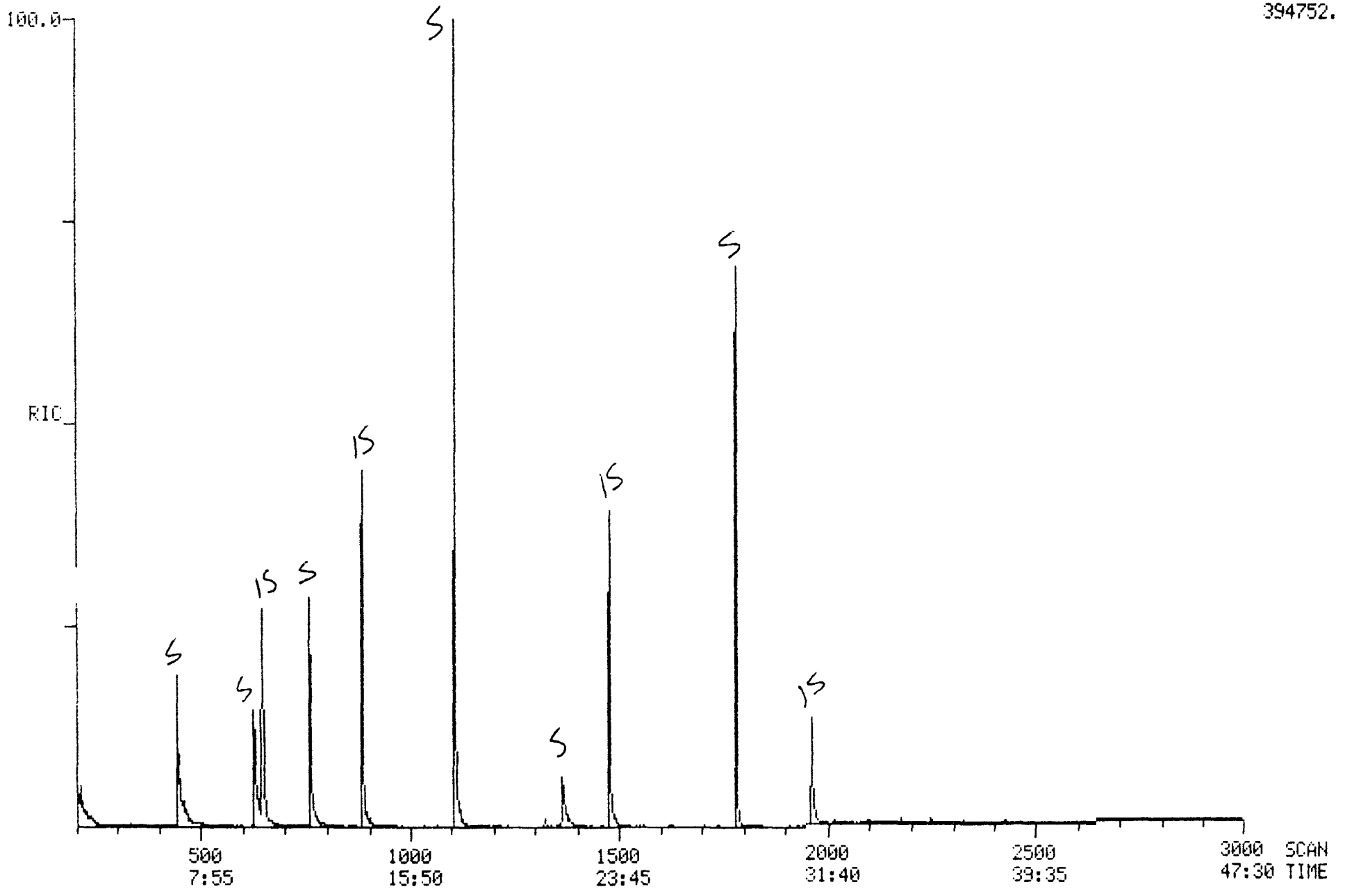
DATA: EPAVOA879 #257 BASE M/E: 49/ 44
CALI: EPAVOA879 #1 RIC: 9583./ 15087.



RIC
03/05/84 23:47:00
SAMPLE: 77056-BLANK ($H_2O$)
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN706 #1
CALI: EPABN706 #1

SCANS 200 TO 3000



QUANTITATION REPORT FILE: EPABN706

DATA: EPABN706.TI
03/05/84 23:47:00
SAMPLE: 77056-BLANK
SUBMITTED BY: ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 5 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | | NAME |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

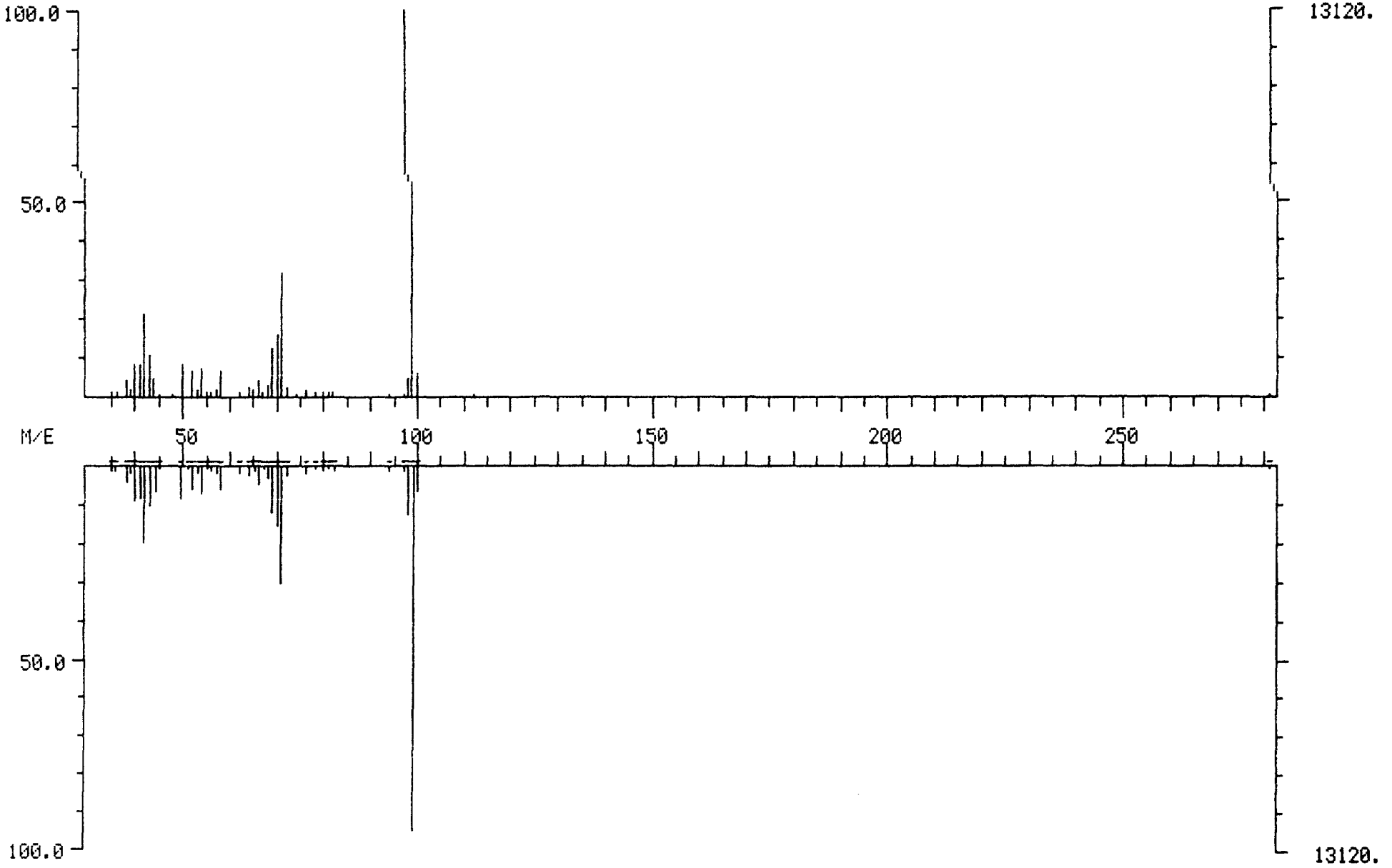
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 646 | 10:14 | 1 | 1.000 | A BB | 96851. | 20.000 UG/ML | 8.44 |
| 2 | 136 | 885 | 14:01 | 2 | 1.000 | A BV | 274300. | 20.000 UG/ML | 8.44 |
| 3 | 188 | 1476 | 23:22 | 3 | 1.000 | A BB | 215605. | 20.000 UG/ML | 8.44 |
| 4 | 240 | 1962 | 31:04 | 4 | 1.000 | A BB | 76275. | 20.000 UG/ML | 8.44 |
| 5 | NOT FOUND | | | | | | | | |
| ~~6~~ | ~~128~~ | ~~629~~ | ~~9:58~~ | ~~1~~ | ~~0.974~~ | ~~A BB~~ | ~~262.~~ | ~~-2.066 UG/ML~~ | ~~-0.86~~ |
| ~~7~~ | ~~94~~ | ~~627~~ | ~~9:56~~ | ~~1~~ | ~~0.971~~ | ~~A BB~~ | ~~274.~~ | ~~2.672 UG/ML~~ | ~~1.13~~ |
| 8 | NOT FOUND | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | |
| ~~10~~ | ~~146~~ | ~~648~~ | ~~10:16~~ | ~~1~~ | ~~1.003~~ | ~~A BB~~ | ~~759.~~ | ~~-10.505 UG/ML~~ | ~~-4.42~~ |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 112 | 443 | 7:01 | 1 | 0.686 | A BB | 128214. | 37.834 UG/ML | 15.96 |
| 15 | 99 | 626 | 9:55 | 1 | 0.969 | A BB | 138778. | 24.024 UG/ML | 10.14 |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | NOT FOUND | | | | | | | | |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | NOT FOUND | | | | | | | | |
| ~~26~~ | ~~128~~ | ~~888~~ | 14:04 | 2 | ~~1.003~~ | ~~A BB~~ | ~~708~~ | -19.512 UG/ML | -8.22 |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | NOT FOUND | | | | | | | | |
| 36 | 82 | 760 | 12:02 | 2 | 0.859 | A BB | 134989. | 26.515 UG/ML | 11.19 |
| 37 | 172 | 1108 | 17:33 | 2 | 1.252 | A BB | 399417. | 37.603 UG/ML | 15.87 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| 40 | NOT FOUND | | | | | | | | |
| 41 | NOT FOUND | | | | | | | | |
| 42 | NOT FOUND | | | | | | | | |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | NOT FOUND | | | | | | | | |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | NOT FOUND | | | | | | | | |
| 50 | NOT FOUND | | | | | | | | |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | NOT FOUND | | | | | | | | |
| ~~55~~ | ~~178~~ | ~~1480~~ | ~~23:26~~ | ~~3~~ | ~~1.003~~ | ~~A BB~~ | ~~454.~~ | ~~-2.050 UG/ML~~ | ~~-0.86~~ |
| 56 | NOT FOUND | | | | | | | | |

JL

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| ~~57~~ | ~~149~~ | ~~1624~~ | ~~25:49~~ | ~~3~~ | ~~1.100~~ | ~~A BB~~ | ~~2396.~~ | ~~7.233 UG/ML~~ | ~~3.04~~ |
| 58 | NOT FOUND | | | | | | | | |
| 59 | NOT FOUND | | | | | | | | |
| 60 | NOT FOUND | | | | | | | | |
| 61 | NOT FOUND | | | | | | | | |
| 62 | NOT FOUND | | | | | | | | |
| 63 | NOT FOUND | | | | | | | | |
| 64 | 330 | 1363 | 21:35 | 3 | 0.923 | A BV | 26505. | 23.400 UG/ML | 9.87 |
| 65 | NOT FOUND | | | | | | | | |
| ~~66~~ | ~~202~~ | ~~1740~~ | ~~27:33~~ | ~~4~~ | ~~0.887~~ | ~~A BB~~ | ~~394.~~ | ~~2.326 UG/ML~~ | ~~0.97~~ |
| 67 | NOT FOUND | | | | | | | | |
| ~~68~~ | ~~228~~ | ~~1959~~ | ~~31:01~~ | ~~4~~ | ~~0.998~~ | ~~A BB~~ | ~~947.~~ | ~~0.475 UG/ML~~ | ~~0.20.~~ |
| 69 | NOT FOUND | | | | | | | | |
| ~~70~~ | ~~228~~ | ~~1969~~ | ~~31:11~~ | ~~4~~ | ~~1.004~~ | ~~A BB~~ | ~~1207.~~ | ~~-10.136 UG/ML~~ | ~~4.27~~ |
| 71 | NOT FOUND | | | | | | | | |
| 72 | 244 | 1783 | 28:14 | 4 | 0.909 | A BB | 274762. | 57.777 UG/ML | 24.38 |
| 73 | NOT FOUND | | | | | | | | |
| 74 | NOT FOUND | | | | | | | | |
| 75 | NOT FOUND | | | | | | | | |
| ~~76~~ | ~~252~~ | ~~2161~~ | ~~34:13~~ | ~~4~~ | ~~1.101~~ | ~~A*BB~~ | ~~543.~~ | ~~0.645 UG/ML~~ | ~~0.27~~ |
| 77 | NOT FOUND | | | | | | | | |
| 78 | NOT FOUND | | | | | | | | |
| 79 | NOT FOUND | | | | | | | | |
| 80 | NOT FOUND | | | | | | | | |

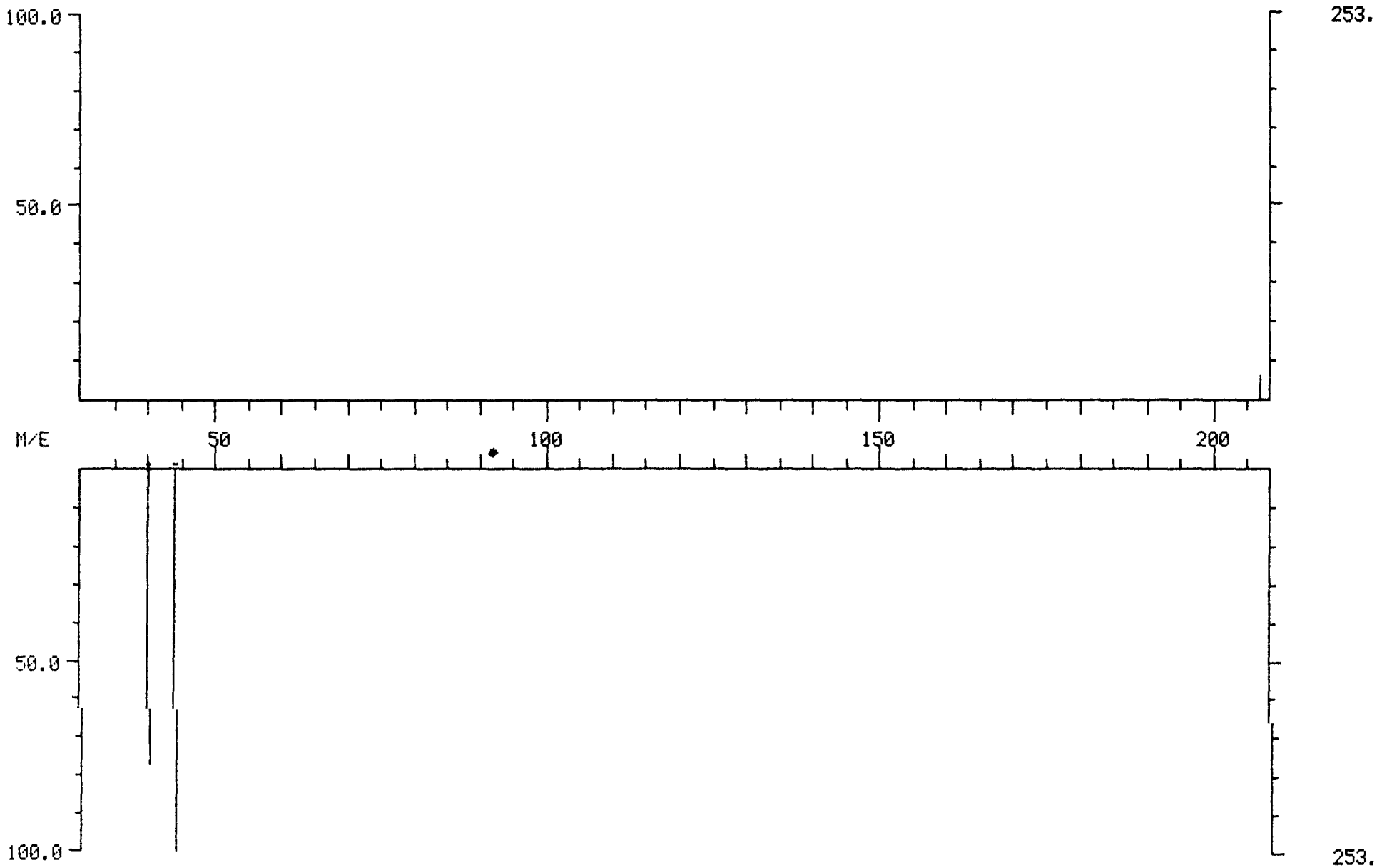
DUAL MASS SPECTRUM
03/05/84 23:47:00 + 9:56
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN706 #627 BASE M/E: 99/ 99
CALI: EPABN706 #1 RIC: 38399./ 38271.



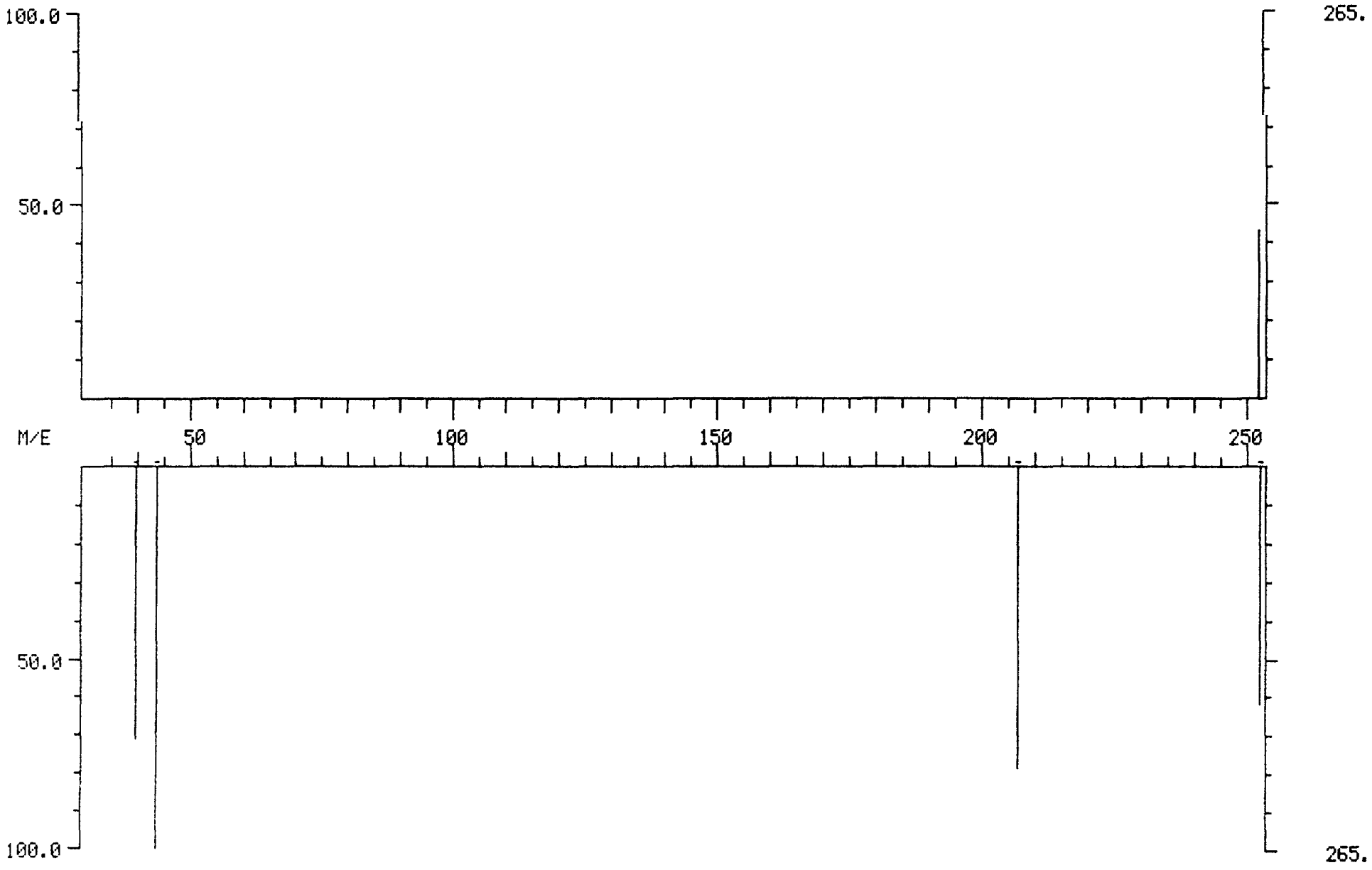
DUAL MASS SPECTRUM
03/05/84 23:47:00 + 30:52
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN706 #1950 BASE M/E: 207/ 44
CALI: EPABN706 #1 RIC: 14./ 447.



DUAL MASS SPECTRUM
03/05/84 23:47:00 + 34:13
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

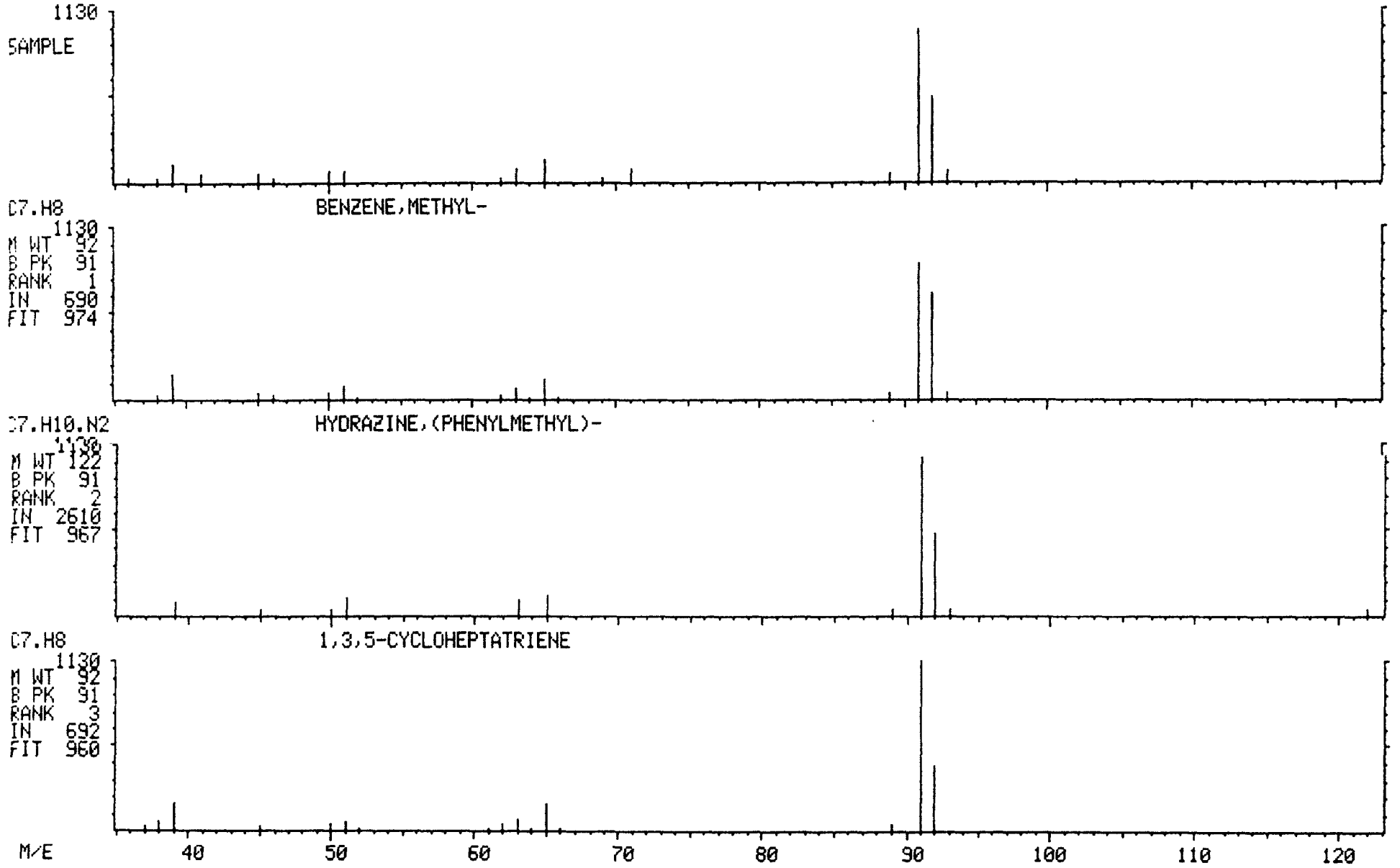
DATA: EPABN706 #2161 BASE M/E: 252/ 44
CALI: EPABN706 #1 RIC: 114./ 822.

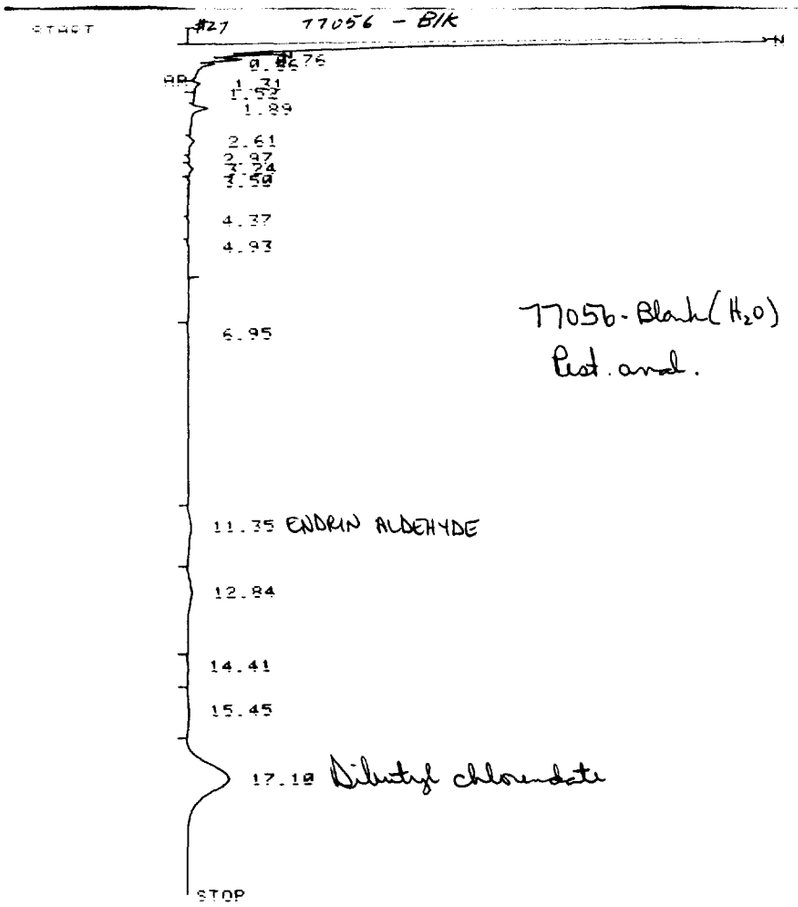


LIBRARY SEARCH
03/06/84 17:04:00 + 4:00
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN710 # 253
CALI: EPABN710 # 1

BASE M/E: 91
RIC: 6231.





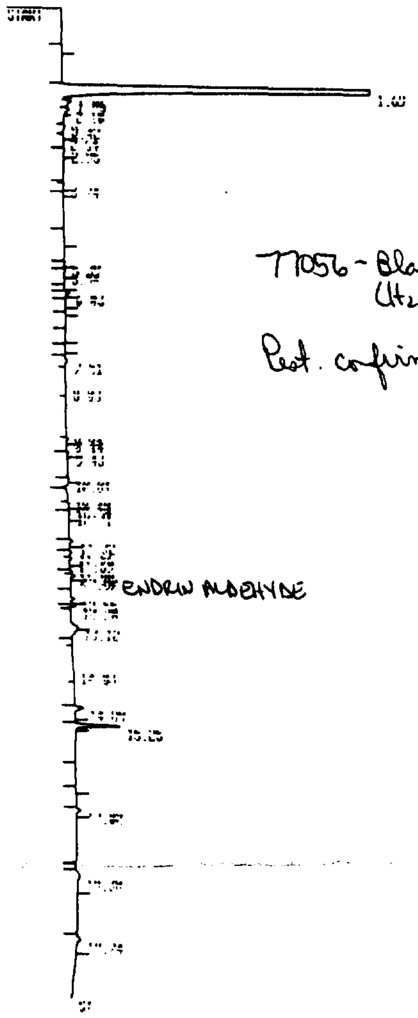

HP RUN # 317
BOTTLE 27
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.31 | 5884 | 3.813 |
| 1.52 | 6632 | 4.297 |
| 1.89 | 15380 | 9.966 |
| 2.61 | 4684 | 3.035 |
| 2.97 | 1467 | 0.951 |
| 3.24 | 3420 | 2.216 |
| 3.50 | 1901 | 1.232 |
| 4.37 | 1240 | 0.803 |
| 4.93 | 88 | 0.057 |
| 6.95 | 1808 | 1.172 |
| 11.35 | 4841 | 3.137 |
| 12.84 | 6589 | 4.269 |
| 14.41 | 58 | 0.038 |
| 15.45 | 2136 | 1.384 |
| 17.10 | 98200 | 63.631 |

DIL FACTOR: 1.0000 E+ 0

ATTN 2↑ 8
A 60.0 59.2
TEMP1 400 210 210

77056 - BLK ($H_2O$)




77056 - Blank
($H_2O$)
Pest. confirm.

RUN # 1034 MAR/13/04 13:57:16

HEIGHT%

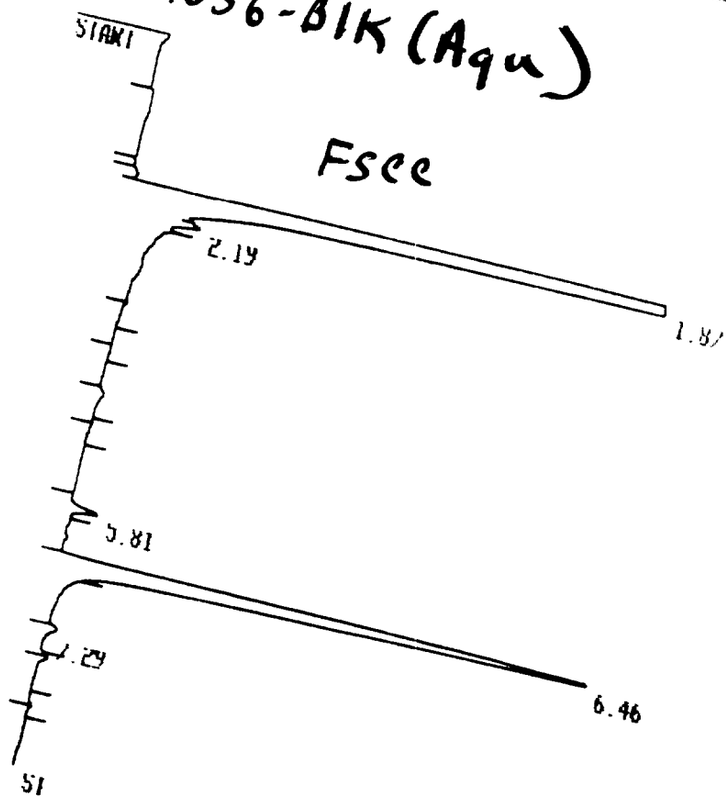
| RT | HEIGHT | TYPE | AR/HT | HEIGHT% |
|---|---|---|---|---|
| 1.03 | 7753780 | BB | 0.079 | 75.365 |
| 1.06 | 3606 | [illegible] | 0.053 | 0.035 |
| 1.34 | [illegible] | HT | 0.056 | 0.108 |
| 2.10 | 11565 | PB | 0.070 | 0.143 |
| 2.42 | 5337 | BP | 0.103 | 0.066 |
| 2.54 | 1361 | PB | 0.053 | 0.017 |
| 2.95 | 3776 | BB | 0.036 | 0.047 |
| 3.74 | 3772 | PB | 0.053 | 0.047 |
| 5.07 | 4121 | BB | 0.060 | 0.051 |
| 5.54 | 2672 | PB | 0.055 | 0.033 |
| 6.03 | 12256 | PB | 0.055 | 0.151 |
| 7.51 | 8460 | BP | 0.057 | 0.104 |
| 8.06 | 3108 | PV | 0.122 | 0.038 |
| 9.04 | 2201 | VV | 0.101 | 0.027 |
| 9.14 | 5153 | VB | 0.064 | 0.064 |
| 9.43 | 5040 | BB | 0.047 | 0.062 |
| 10.07 | 2610 | BB | 0.058 | 0.032 |
| 10.40 | 7666 | PV | 0.121 | 0.095 |
| 10.54 | 6403 | VB | 0.071 | 0.079 |
| 10.71 | 2691 | BB | 0.080 | 0.033 |
| 11.32 | 10765 | BB | 0.062 | 0.133 |
| 11.56 | 7864 | PV | 0.063 | 0.097 |
| 11.63 | 5202 | VB | 0.057 | 0.065 |
| 11.90 | 6620 | PV | 0.045 | 0.070 |
| 12.07 | 15098 | VB | 0.063 | 0.186 |
| 12.55 | 10754 | PB | 0.046 | 0.133 |
| 12.78 | 20420 | BP | 0.045 | 0.252 |
| 13.72 | 3822 | PB | 0.016 | 0.047 |
| 14.93 | 872 | PB | 0.440 | 0.011 |
| 14.97 | 18102 | BB | 0.053 | 0.223 |
| 15.25 | 134756 | PB | 0.062 | 1.666 |
| 17.57 | 12480 | PB | 0.072 | 0.154 |
| 18.30 | 10653 | BB | 0.103 | 0.132 |
| 19.74 | 12401 | PB | 0.117 | 0.154 |

TOTAL HGHT= 8101238
MUL FACTOR= 1.0000E+00

TCDD Screen

77056-BIK (Aqu)

Fscc




KUM # 1/19

| HEIGHTZ KI | HEIGHT | TYPE | AK/HI | HEIGHTZ |
|---|---|---|---|---|
| 1.87 | /54/512 | SHB | 0.080 | 98.118 |
| 2.1. | 4513 | IBB | 0.065 | 0.059 |
| 5.81 | 5887 | PB | 0.071 | 0.077 |
| 6.46 | 152054 | PB | 0.098 | 1.717 |
| 7.29 | 2283 | PB | 0.057 | 0.030 |

MAX/01/84 19:52:50

TOTAL HGHT= 7692200

MUL FACTOR= 1.00000E+00

P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
REAGENT BLANK
"Soil"

# ORGANICS ANALYSIS DATA SHEET

Laboratory Name: U S TESTING
Case No: 2459
Lab Sample ID No: 77056 - Blank
QC Report No: 56
Sample Matrix: Soil
Contract No.: 68-01-6726
Data Release Authorized By: jl
Date Sample Received: 2/23/84

## VOLATILES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 2/27
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | ug/l or ug/kg (circle one) |
|---|---|---|---|
| (2V) | 107-02-8 | acrolein | 100 U |
| (3V) | 107-13-1 | acrylonitrile | 100 U |
| (4V) | 71-43-2 | benzene | 5 U |
| (6V) | 56-23-5 | carbon tetrachloride | 5 U |
| (7V) | 108-90-7 | chlorobenzene | 5 U |
| (10V) | 107-06-2 | 1,2-dichloroethane | 1 U |
| (11V) | 71-55-6 | 1,1,1-trichloroethane | 5 U |
| (13V) | 75-34-3 | 1,1-dichloroethane | 5 U |
| (14V) | 79-00-5 | 1,1,2-trichloroethane | 5 U |
| (15V) | 79-34-5 | 1,1,2,2-tetrachloroethane | 10 U |
| (16V) | 75-00-3 | chloroethane | 10 U |
| (19V) | 110-75-8 | 2-chloroethylvinyl ether | 10 U |
| (23V) | 67-66-3 | chloroform | 5 U |
| (29V) | 75-35-4 | 1,1-dichloroethene | 5 U |
| (30V) | 156-60-5 | trans-1,2-dichloroethene | 5 U |
| (32V) | 78-87-5 | 1,2-dichloropropane | 10 U |
| (33V) | 10061-02-6 | trans-1,3-dichloropropene | 5 U |
| | 10061-01-05 | cis-1,3-dichloropropene | 5 U |
| (38V) | 100-41-4 | ethylbenzene | 5 U |
| (44V) | 75-09-2 | methylene chloride | 15 ~~5 U~~ |
| (45V) | 74-87-3 | chloromethane | 10 U |
| (46V) | 74-83-9 | bromomethane | 10 U |
| (47V) | 75-25-2 | bromoform | 10 U |
| (48V) | 75-27-4 | bromodichloromethane | 5 U |
| (49V) | 75-69-4 | fluorotrichloromethane | |
| (50V) | 75-71-8 | dichlorodifluoromethane | |
| (51V) | 124-48-1 | chlorodibromomethane | 5 U |
| (85V) | 127-18-4 | tetrachloroethene | 5 U |
| (86V) | 108-88-3 | toluene | 5 U |
| (87V) | 79-01-6 | trichloroethene | 5 U |
| (88V) | 75-01-4 | vinyl chloride | 10 U |
| | 67-64-1 | acetone | 5 U |
| | 78-93-3 | 2-butanone | 5 U |
| | 75-15-0 | carbondisulfide | 1 U |
| | 519-78-6 | 2-hexanone | 5 U |
| | 108-10-1 | 4-methyl-2-pentanone | 5 U |
| | 100-42-5 | styrene | 5 U |
| | 108-05-4 | vinyl acetate | 5 U |

## PESTICIDES

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 3/5 + 3/13
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

Multiply det. limits by 200

| PP # | CAS # | | ug/l or ug/kg (circle one) |
|---|---|---|---|
| (89P) | 309-00-2 | aldrin | .005 U |
| (90P) | 60-57-1 | dieldrin | .005 U |
| (91P) | 57-74-9 | chlordane | .005 U |
| (92P) | 50-29-3 | 4,4'-DDT | .010 U |
| (93P) | 72-55-9 | 4,4'-DDE | .005 U |
| (94P) | 72-54-8 | 4,4'-DDD | .010 U |
| (95P) | 115-29-7 | α-endosulfan | .005 U |
| (96P) | 115-29-7 | β-endosulfan | .005 U |
| (97P) | 1031-07-8 | endosulfan sulfate | .010 U |
| (98P) | 72-20-8 | endrin | .005 U |
| (99P) | 7421-93-4 | endrin aldehyde | .010 U |
| (100P) | 76-44-8 | heptachlor | .005 U |
| (101P) | 1024-57-3 | heptachlor epoxide | .005 U |
| (102P) | 319-84-6 | α-BHC | .005 U |
| (103P) | 319-85-7 | β-BHC | .005 U |
| (104P) | 319-86-8 | δ-BHC | .005 U |
| (105P) | 58-89-9 | γ-BHC (lindane) | .005 U |
| (106P) | 53469-21-9 | PCB-1242 | .050 U |
| (107P) | 11097-69-1 | PCB-1254 | .100 U |
| (108P) | 11104-28-2 | PCB-1221 | .100 U |
| (109P) | 11141-16-5 | PCB-1232 | .100 U |
| (110P) | 12672-29-6 | PCB-1248 | .100 U |
| (111P) | 11096-82-5 | PCB-1260 | .200 U |
| (112P) | 12674-11-2 | PCB-1016 | .050 U |
| (113P) | 8001-35-2 | toxaphene | .050 U |

## DIOXINS

CONCENTRATION: LOW MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED: 2/27/84
DATE ANALYZED: 3/16
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

Multiply det. limit by 200

| PP # | CAS # | | ug/l or ug/kg (circle one) |
|---|---|---|---|
| (129B) | 1746-01-6 | 2,3,7,8-tetrachlorodibenzo-p-dioxin | .005 U |

U.S. ENVIRONMENTAL PROTECTION AGENCY - CLP Sample Management Office
P.O. Box 818, Alexandria, Virginia 22313 - 703/557-2490

Sample Number
REAGENT BLANK
"soil"

## ORGANICS ANALYSIS DATA SHEET

Laboratory Name: U S TESTING
Case No: 2459
Lab Sample ID No: 77056 - Blank
QC Report No: 56
Sample Matrix: Soil
Contract No.: 68-01-6726
Data Release Authorized By: jl
Date Sample Received: 2/23/84

## SEMIVOLATILE COMPOUNDS

CONCENTRATION: (LOW) MEDIUM HIGH (circle one)
DATE EXTRACTED/PREPARED:
DATE ANALYZED: 3/6/84
PERCENT MOISTURE: —
CONC./DILUTION FACTOR: —

| PP # | CAS # | | ug/l or ug/kg (circle one) |
|---|---|---|---|
| (21A) | 88-06-2 | 2,4,6- trichlorophenol | 10 U |
| (22A) | 59-50-7 | p-chloro-m-cresol | 10 U |
| (24A) | 95-57-8 | 2- chlorophenol | 10 U |
| (31A) | 120-83-2 | 2,4-dichlorophenol | 10 U |
| (34A) | 105-67-9 | 2,4-dimethylphenol | 10 U |
| (57A) | 88-75-5 | 2- nitrophenol | 20 U |
| (58A) | 100-02-7 | 4-nitrophenol | 50 U |
| (59A) | 51-28-5 | 2,4-dinitrophenol | 50 U |
| (60A) | 534-52-1 | 4,6-dinitro-2-methylphenol | 20 U |
| (64A) | 87-86-5 | pentachlorophenol | 10 U |
| (65A) | 108-95-2 | phenol | 10 U |
| | 65-85-0 | benzoic acid | 100 U |
| | 95-48-7 | 2-methylphenol | 5 U |
| | 108-39-4 | 4-methylphenol | 5 U |
| | 95-95-4 | 2,4,5-trichlorophenol | 100 U |
| (1B) | 83-32-9 | acenaphthene | 10 U |
| (5B) | 92-87-5 | benzidine | 40 U |
| (8B) | 120-82-1 | 1,2,4-trichlorobenzene | 10 U |
| (9B) | 118-74-1 | hexachlorobenzene | 10 U |
| (12B) | 67-72-1 | hexachloroethane | 10 U |
| (18B) | 111-44-4 | bis(2-chloroethyl)ether | 10 U |
| (20B) | 91-58-7 | 2-chloronaphthalene | 10 U |
| (25B) | 95-50-1 | 1,2-dichlorobenzene | 10 U |
| (26B) | 541-73-1 | 1,3-dichlorobenzene | 10 U |
| (27B) | 106-46-7 | 1,4-dichlorobenzene | 10 U |
| (28B) | 91-94-1 | 3,3'-dichlorobenzidine | 20 U |
| (35B) | 121-14-2 | 2,4-dinitrotoluene | 20 U |
| (36B) | 606-20-2 | 2,6-dinitrotoluene | 20 U |
| (37B) | 122-66-7 | 1,2-diphenylhydrazine | 20 U |
| (39B) | 206-44-0 | fluoranthene | 10 U |
| (40B) | 7005-72-3 | 4-chlorophenyl phenyl ether | 10 U |
| (41B) | 101-55-3 | 4-bromophenyl phenyl ether | 10 U |
| (42B) | 39638-32-9 | bis (2-chloroisopropyl) ether | 20 U |
| (43B) | 111-91-1 | bis (2-chloroethoxy) methane | 20 U |

| PP # | CAS # | | ug/l or ug/kg (circle one) |
|---|---|---|---|
| (52B) | 87-68-3 | hexachlorobutadiene | 10 U |
| (53B) | 77-47-4 | hexachlorocyclopentadiene | 10 U |
| (54B) | 78-59-1 | isophorone | 10 U |
| (55B) | 91-20-3 | naphthalene | 10 U |
| (56B) | 98-95-3 | nitrobenzene | 10 U |
| (61B) | 62-75-9 | N-nitrosodimethylamine | 10 U |
| (62B) | 86-30-6 | N-nitrosodiphenylamine | 10 U |
| (63B) | 621-64-7 | N-nitrosodipropylamine | 10 U |
| (66B) | 117-81-7 | bis (2-ethylhexyl) phthalate | 10 U |
| (67B) | 85-68-7 | benzyl butyl phthalate | 10 U |
| (68B) | 84-74-2 | di-n-butyl phthalate | 10 U |
| (69B) | 117-84-0 | di-n-octyl phthalate | 10 U |
| (70B) | 84-66-2 | diethyl phthalate | 10 U |
| (71B) | 131-11-3 | dimethyl phthalate | 10 U |
| (72B) | 56-55-3 | benzo(a)anthracene | 10 U |
| (73B) | 50-32-8 | benzo(a)pyrene | 20 U |
| (74B) | 205-99-2 | benzo(b)fluoranthene | 20 U |
| (75B) | 207-08-9 | benzo(k)fluoranthene | 20 U |
| (76B) | 218-01-9 | chrysene | 20 U |
| (77B) | 208-96-8 | acenaphthylene | 10 U |
| (78B) | 120-12-7 | anthracene | 10 U |
| (79B) | 191-24-2 | benzo(ghi)perylene | 20 U |
| (80B) | 86-73-7 | fluorene | 10 U |
| (81B) | 85-01-8 | phenanthrene | 10 U |
| (82B) | 53-70-3 | dibenzo(a,h)anthracene | 20 U |
| (83B) | 193-39-5 | indeno(1,2,3-cd)pyrene | 20 U |
| (84B) | 129-00-0 | pyrene | 10 U |
| | 62-53-3 | aniline | 5 U |
| | 100-51-6 | benzyl alcohol | 20 U |
| | 106-47-8 | 4-chloroaniline | 50 U |
| | 132-64-9 | dibenzofuran | 10 U |
| | 91-57-6 | 2-methylnaphthalene | 20 U |
| | 88-74-4 | 2-nitroaniline | 100 U |
| | 99-09-2 | 3-nitroaniline | 100 U |
| | 100-01-6 | 4-nitroaniline | 100 U |

ORGANICS ANALYSIS DATA SHEET - Page 3

Sample Number
REAGENT BLANK
(Soil)

Laboratory Name: U S TESTING Case No: 2459

QC Report No: 56

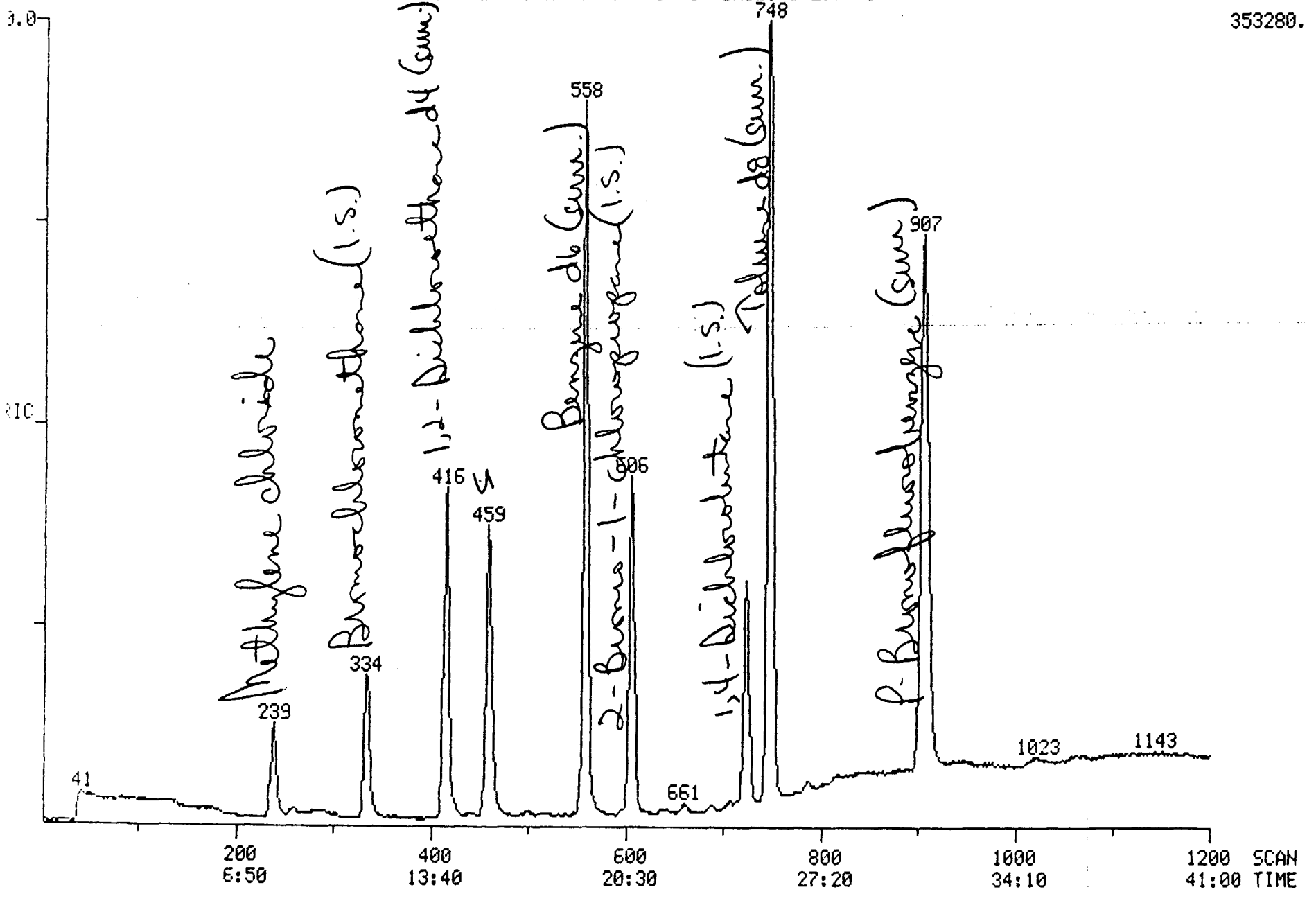
B. Tentatively Identified Compounds

| CAS # | Compound Name | Fraction | Scan No. or Retention Time | % Maximum Score Attained Mass Matching Routine: (Specify: FIT) | Estimated Concentration (ug/L or ug/kg) |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |
| 3. | | | | | |
| 4. | | | | | |
| 5. | | | | | |
| 6. | | | | | |
| 7. | | | | | |
| 8. | | | | | |
| 9. | | | | | |
| 10. | | | | | |
| 11. | | | | | |
| 12. | | | | | |
| 13. | | | | | |
| 14. | | | | | |
| 15. | | | | | |
| 16. | | | | | |
| 17. | | | | | |
| 18. | | | | | |
| 19. | | | | | |
| 20. | | | | | |
| 21. | | | | | |
| 22. | | | | | |
| 23. | | | | | |
| 24. | | | | | |
| 25. | | | | | |
| 26. | | | | | |
| 27. | | | | | |
| 28. | | | | | |
| 29. | | | | | |
| 30. | | | | | |

RIC
02/27/84 4:03:00
SAMPLE: 77057-BLANK
CONDS.: 77056 (Soil)
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA889 #1
CALI: EPAVOA889 #1

SCANS 1 TO 1200



DATA: EPAVOA889.TI
02/27/84 4:03:00
SAMPLE: 77057-BLANK
SUBMITTED BY: ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,1,1-TRICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

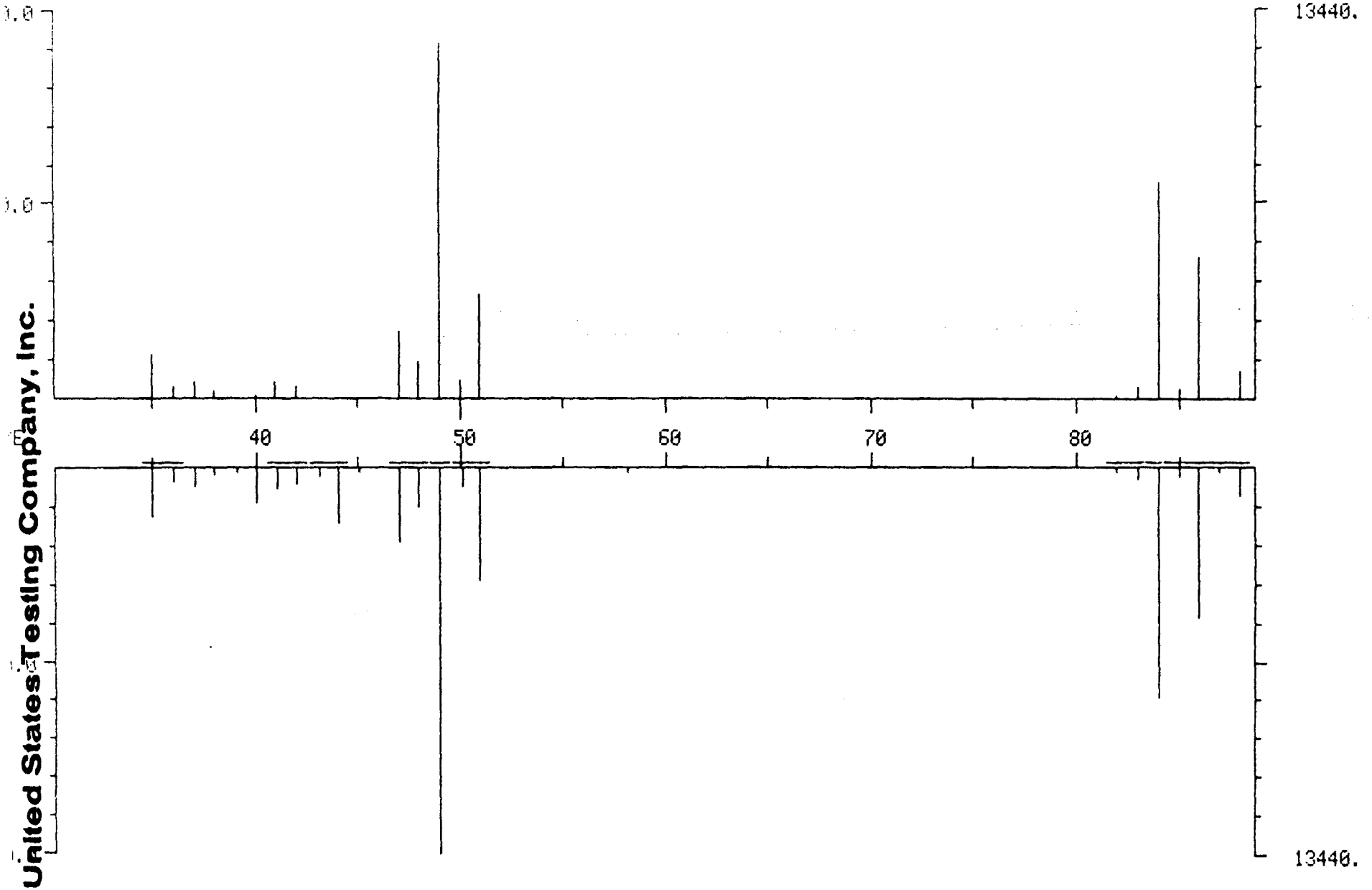
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 334 | 11:25 | 1 | 1.000 | A BB | 64199. | 50.000 UG/L | 8.42 |
| 2 | 77 | 606 | 20:42 | 2 | 1.000 | A BB | 220447. | 50.000 UG/L | 8.42 |
| 3 | 55 | 723 | 24:42 | 3 | 1.000 | A BB | 209850. | 50.000 UG/L | 8.42 |
| 4 | NOT FOUND | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | 84 | 239 | 8:10 | 1 | 0.716 | A BB | 55985. | 15.272 UG/L | 2.57 |

| NO | M/Z | SCAN | TIME | REF | RRT | METH | AREA(AGAT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | NOT | FOUND | | | | | | | | |
| 10 | NOT | FOUND | | | | | | | | |
| 11 | NOT | FOUND | | | | | | | | |
| 12 | NOT | FOUND | | | | | | | | |
| 13 | NOT | FOUND | | | | | | | | |
| 14 | NOT | FOUND | | | | | | | | |
| 15 | NOT | FOUND | | | | | | | | |
| 16 | NOT | FOUND | | | | | | | | |
| 17 | NOT | FOUND | | | | | | | | |
| 18 | NOT | FOUND | | | | | | | | |
| 19 | NOT | FOUND | | | | | | | | |
| 20 | NOT | FOUND | | | | | | | | |
| 21 | NOT | FOUND | | | | | | | | |
| 22 | NOT | FOUND | | | | | | | | |
| 23 | NOT | FOUND | | | | | | | | |
| 24 | NOT | FOUND | | | | | | | | |
| 25 | NOT | FOUND | | | | | | | | |
| 26 | NOT | FOUND | | | | | | | | |
| 27 | NOT | FOUND | | | | | | | | |
| 28 | NOT | FOUND | | | | | | | | |
| 29 | NOT | FOUND | | | | | | | | |
| 30 | NOT | FOUND | | | | | | | | |
| 31 | NOT | FOUND | | | | | | | | |
| 32 | NOT | FOUND | | | | | | | | |
| 33 | 65 | 416 | 14:13 | 2 | 0.686 | A BB | 282780. | 107.918 | UG/L | 18.16 |
| 34 | 84 | 558 | 19:04 | 2 | 0.921 | A BB | 810522. | 108.837 | UG/L | 18.32 |
| 35 | NOT | FOUND | | | | | | | | |
| 36 | NOT | FOUND | | | | | | | | |
| 37 | NOT | FOUND | | | | | | | | |
| 38 | NOT | FOUND | | | | | | | | |
| 39 | NOT | FOUND | | | | | | | | |
| 40 | NOT | FOUND | | | | | | | | |
| 41 | NOT | FOUND | | | | | | | | |
| 42 | NOT | FOUND | | | | | | | | |
| 43 | NOT | FOUND | | | | | | | | |
| 44 | NOT | FOUND | | | | | | | | |
| 45 | NOT | FOUND | | | | | | | | |
| 46 | 98 | 747 | 25:31 | 3 | 1.033 | A BB | 716239. | 106.802 | UG/L | 17.97 |
| 47 | NOT | FOUND | | | | | | | | |
| 48 | NOT | FOUND | | | | | | | | |
| 49 | NOT | FOUND | | | | | | | | |
| 50 | 95 | 907 | 30:59 | 3 | 1.254 | A BB | 465429. | 105.377 | UG/L | 17.73 |

DUAL MASS SPECTRUM
02/27/84 4:03:00 + 8:10
SAMPLE: 77057-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA889 #239 BASE M/E: 49/ 49
CALI: EPAVOA889 #1 RIC: 37887./ 45247.

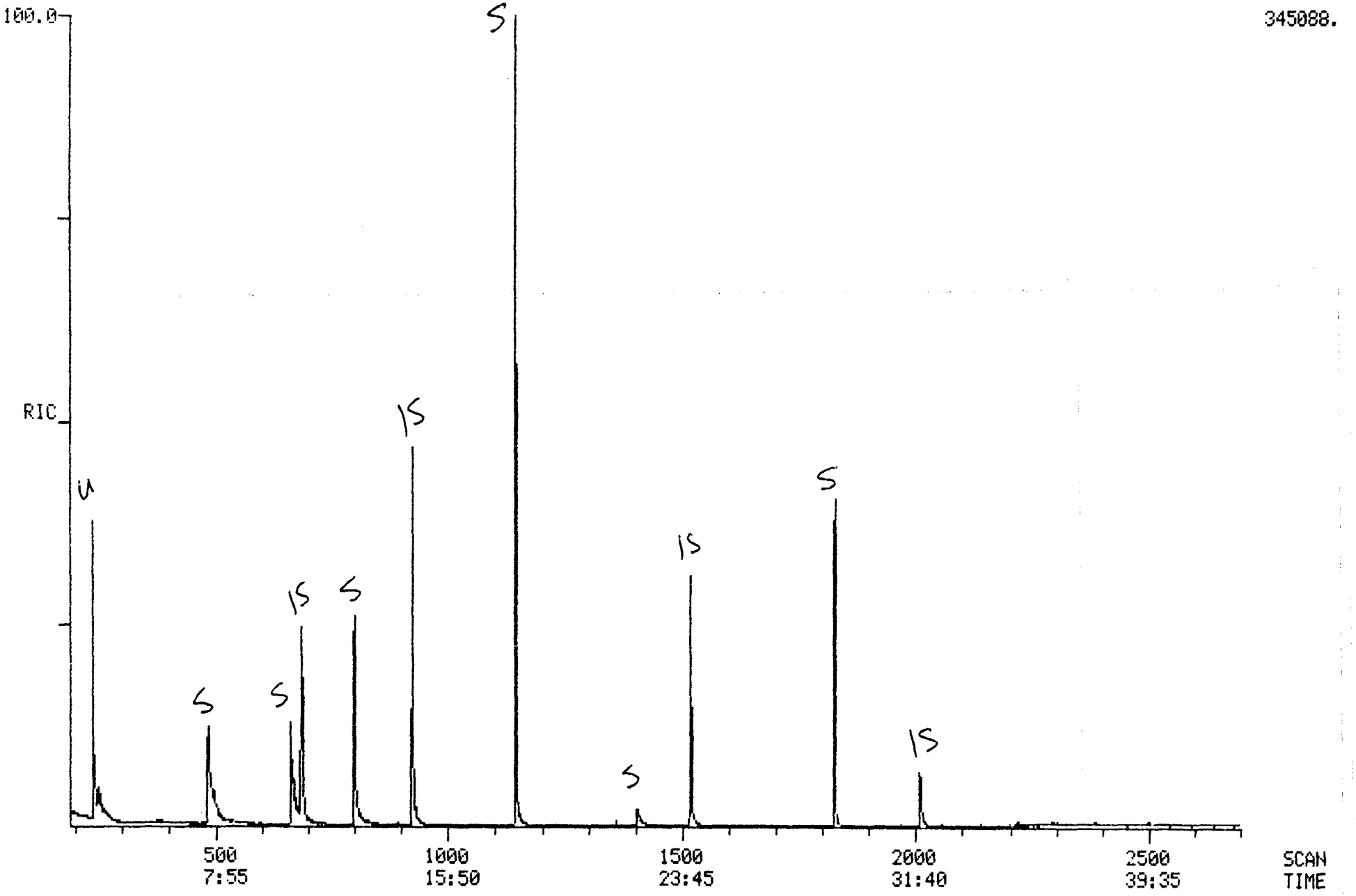



United States Testing Company, Inc.

RIC
03/06/84 17:04:00
SAMPLE: 77056-BLANK (soil)
CONDS.:
RANGE: G 1,2700 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN710 #1
CALI: EPABN710 #1

SCANS 190 TO 2700



QUANTITATION REPORT FILE: EPABN710

DATA: EPABN710.TI
03/06/84 17:04:00
SAMPLE: 77056-BLANK
SUBMITTED BY: EPA ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2 METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

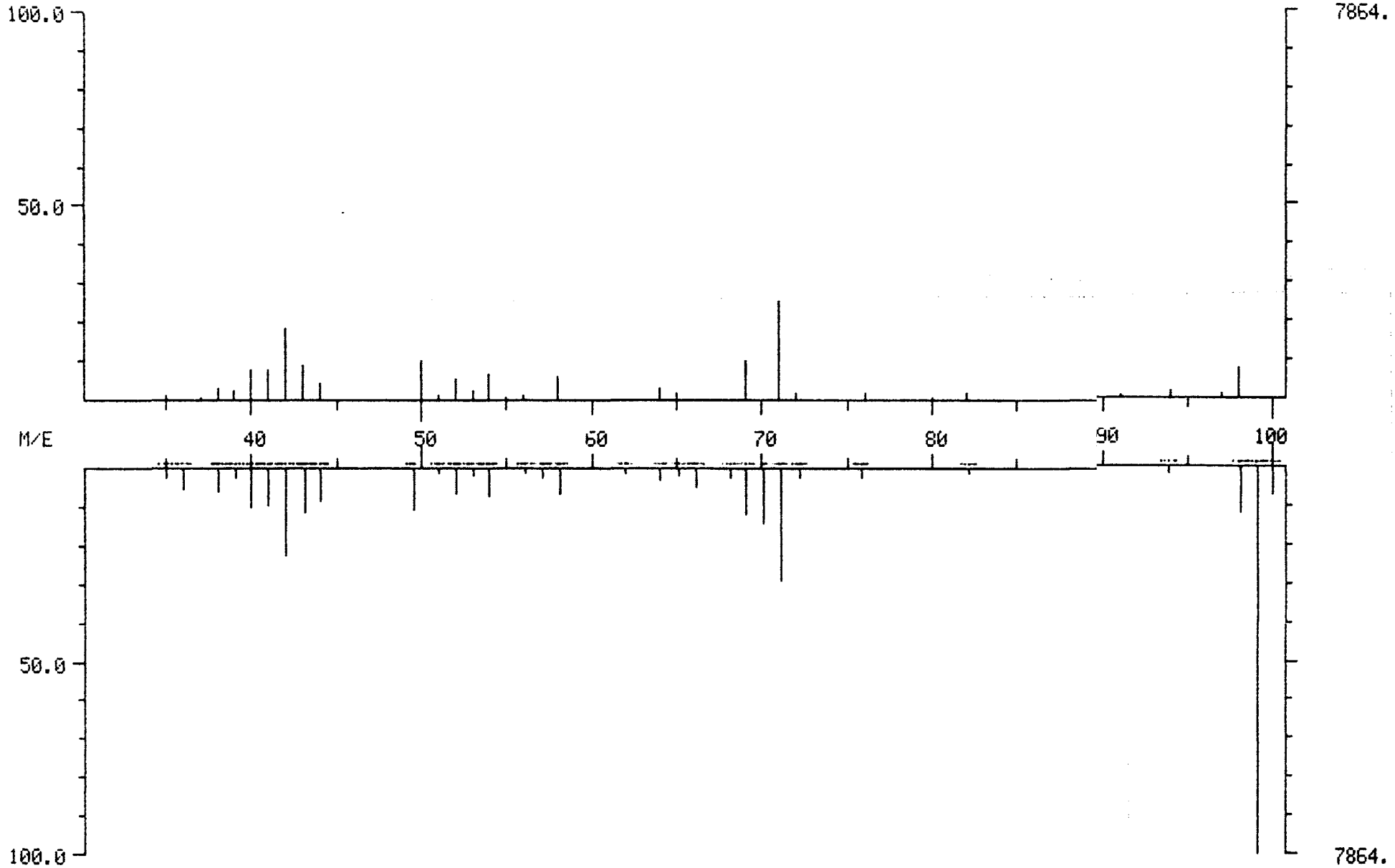
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 686 | 10:52 | 1 | 1.000 | A BB | 80247. | 20.000 UG/ML | 8.01 |
| 2 | 136 | 925 | 14:39 | 2 | 1.000 | A BB | 191283. | 20.000 UG/ML | 8.01 |
| 3 | 188 | 1519 | 24:03 | 3 | 1.000 | A BB | 115259. | 20.000 UG/ML | 8.01 |
| 4 | 240 | 2010 | 31:49 | 4 | 1.000 | A BB | 41336. | 20.000 UG/ML | 8.01 |
| OUT ~~5~~ | ~~74~~ | ~~239~~ | ~~3:47~~ | ~~1~~ | ~~0.348~~ | ~~A BB~~ | ~~354.~~ | ~~8.954 UG/ML~~ | ~~3.59~~ |
| 6 | NOT FOUND | | | | | | | | |
| ~~7~~ | ~~94~~ | ~~666~~ | ~~10:33~~ | ~~1~~ | ~~0.971~~ | ~~A BB~~ | ~~402.~~ | ~~2.700 UG/ML~~ | ~~1.08~~ |
| 8 | NOT FOUND | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | |
| ~~10~~ | ~~146~~ | ~~691~~ | ~~10:56~~ | ~~1~~ | ~~1.007~~ | ~~A BB~~ | ~~537.~~ | ~~-10.522 UG/ML~~ | ~~-4.21~~ |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 112 | 485 | 7:41 | 1 | 0.707 | A BV | 74804. | 31.410 UG/ML | 12.58 |
| 15 | 99 | 663 | 10:30 | 1 | 0.966 | A BV | 95475. | 20.940 UG/ML | 8.39 |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | NOT FOUND | | | | | | | | |
| 19 | NOT FOUND | | | | | | | | |
| ~~20~~ | ~~82~~ | ~~859~~ | ~~13:35~~ | ~~2~~ | ~~0.929~~ | ~~A BV~~ | ~~568.~~ | ~~-8.983 UG/ML~~ | ~~-3.59~~ |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | NOT FOUND | | | | | | | | |
| 26 | NOT FOUND | | | | | | | | |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | NOT FOUND | | | | | | | | |
| 36 | 82 | 800 | 12:40 | 2 | 0.865 | A BB | 106247. | 29.854 UG/ML | 11.96 |
| 37 | 172 | 1146 | 18:09 | 2 | 1.239 | A BB | 235038. | 31.084 UG/ML | 12.45 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| 40 | NOT FOUND | | | | | | | | |
| 41 | NOT FOUND | | | | | | | | |
| 42 | NOT FOUND | | | | | | | | |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | NOT FOUND | | | | | | | | |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | NOT FOUND | | | | | | | | |
| 50 | NOT FOUND | | | | | | | | |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | NOT FOUND | | | | | | | | |
| 55 | NOT FOUND | | | | | | | | |
| 56 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| ~~57~~ | ~~149~~ | ~~1663~~ | ~~26:20~~ | ~~3~~ | ~~1.095~~ | ~~A BB~~ | ~~1243.~~ | ~~7.230 UG/ML~~ | ~~2.89~~ |
| 58 | NOT FOUND | | | | | | | | |
| 59 | NOT FOUND | | | | | | | | |
| 60 | NOT FOUND | | | | | | | | |
| 61 | NOT FOUND | | | | | | | | |
| 62 | NOT FOUND | | | | | | | | |
| 63 | NOT FOUND | | | | | | | | |
| 64 | 330 | 1405 | 22:15 | 3 | 0.925 | A BB | 6597. | 14.339 UG/ML | 5.74 |
| 65 | NOT FOUND | | | | | | | | |
| 66 | NOT FOUND | | | | | | | | |
| 67 | NOT FOUND | | | | | | | | |
| 68 | NOT FOUND | | | | | | | | |
| 69 | NOT FOUND | | | | | | | | |
| 70 | NOT FOUND | | | | | | | | |
| 71 | NOT FOUND | | | | | | | | |
| 72 | 244 | 1828 | 28:57 | 4 | 0.909 | A BB | 147480. | 57.256 UG/ML | 22.94 |
| 73 | NOT FOUND | | | | | | | | |
| 74 | NOT FOUND | | | | | | | | |
| 75 | NOT FOUND | | | | | | | | |
| 76 | NOT FOUND | | | | | | | | |
| 77 | NOT FOUND | | | | | | | | |
| 78 | NOT FOUND | | | | | | | | |
| 79 | NOT FOUND | | | | | | | | |
| 80 | NOT FOUND | | | | | | | | |

DUAL MASS SPECTRUM
03/06/84 17:04:00 + 10:33
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

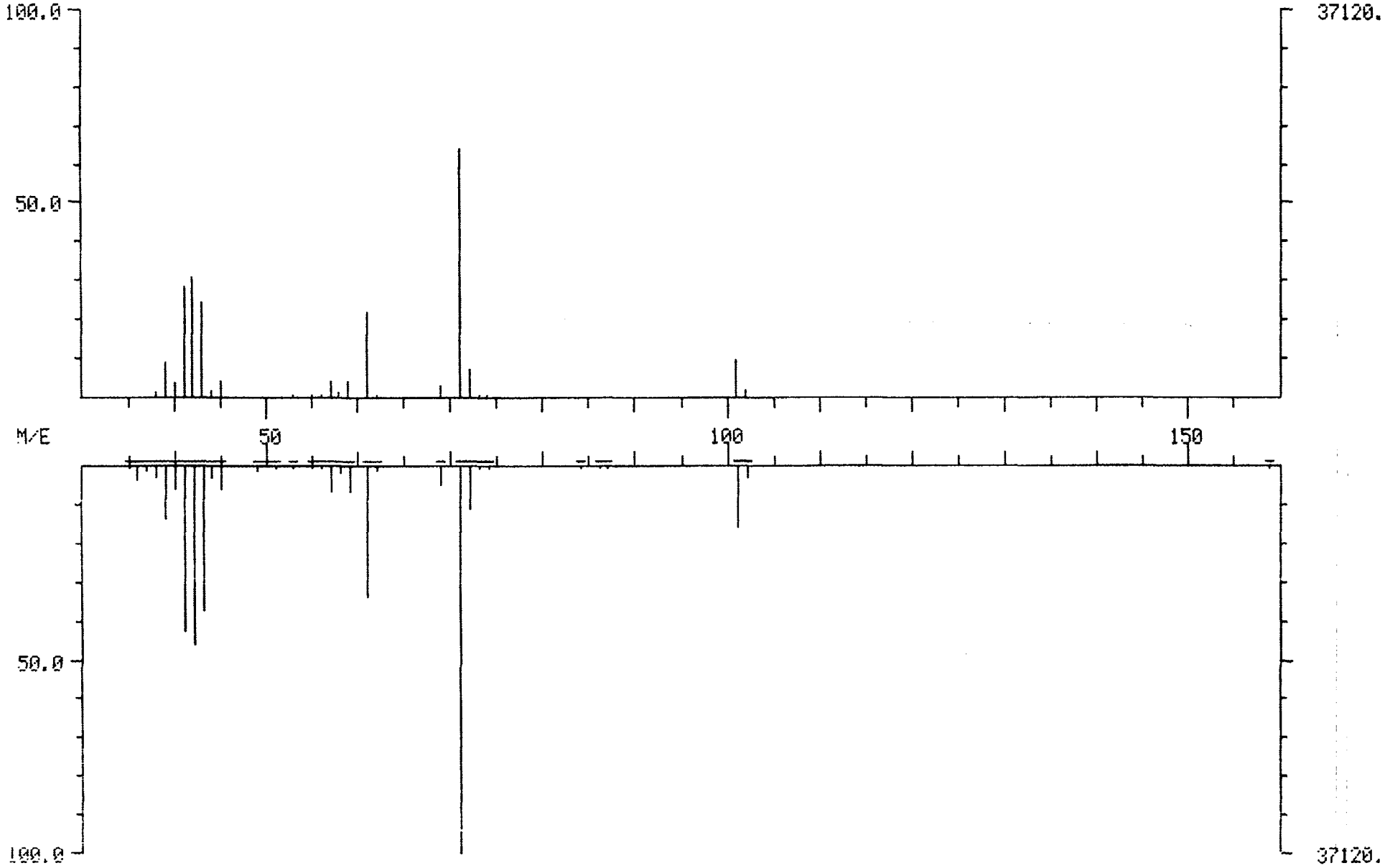
DATA: EPABN710 #666
CALI: EPABN710 #1

BASE M/E: 71/ 99
RIC: 11263./ 24287.



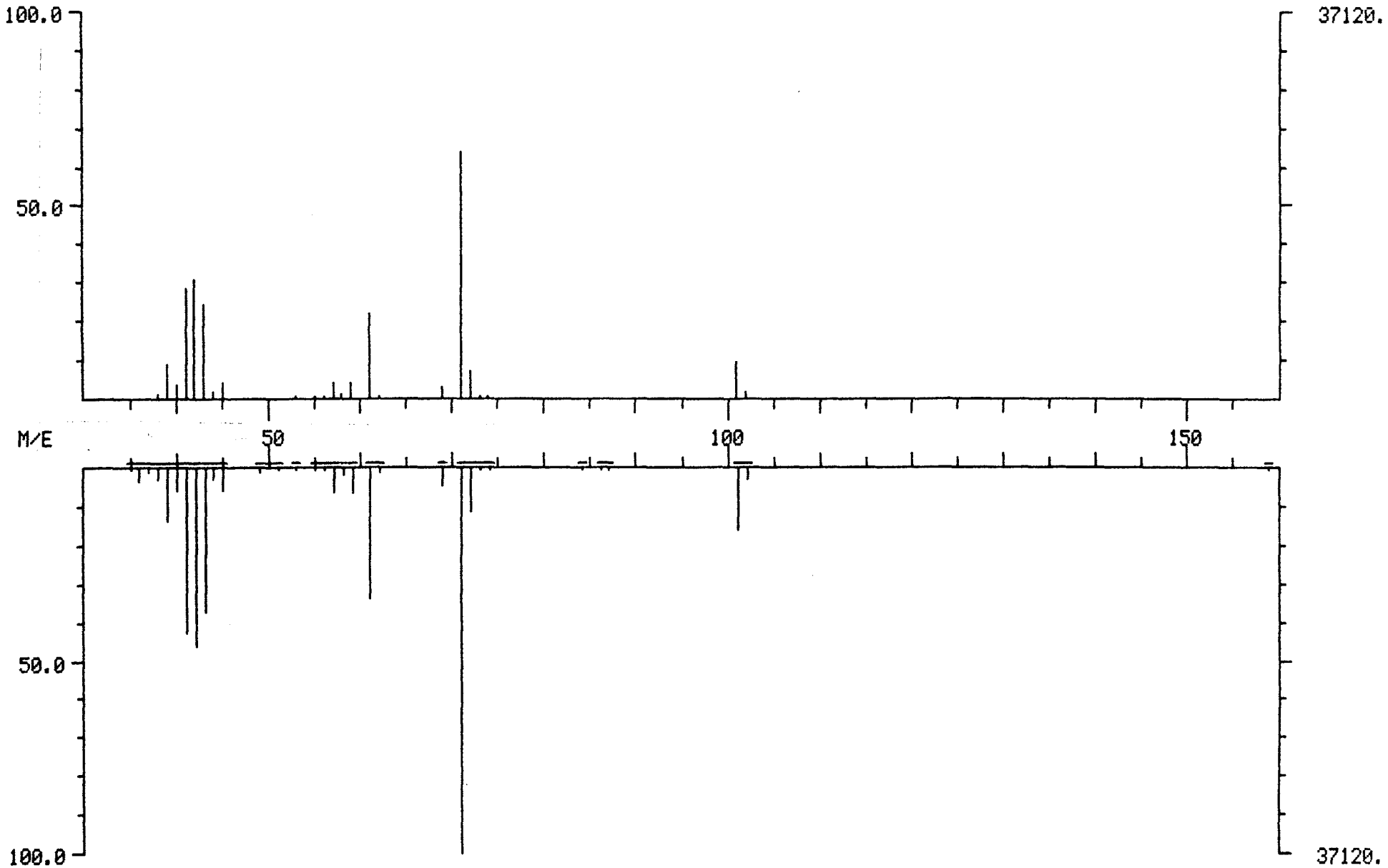
DUAL MASS SPECTRUM
03/06/84 17:04:00 + 3:47
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN710 #239 BASE M/E: 71/ 71
CALI: EPABN710 #1 RIC: 82943./ 131583.

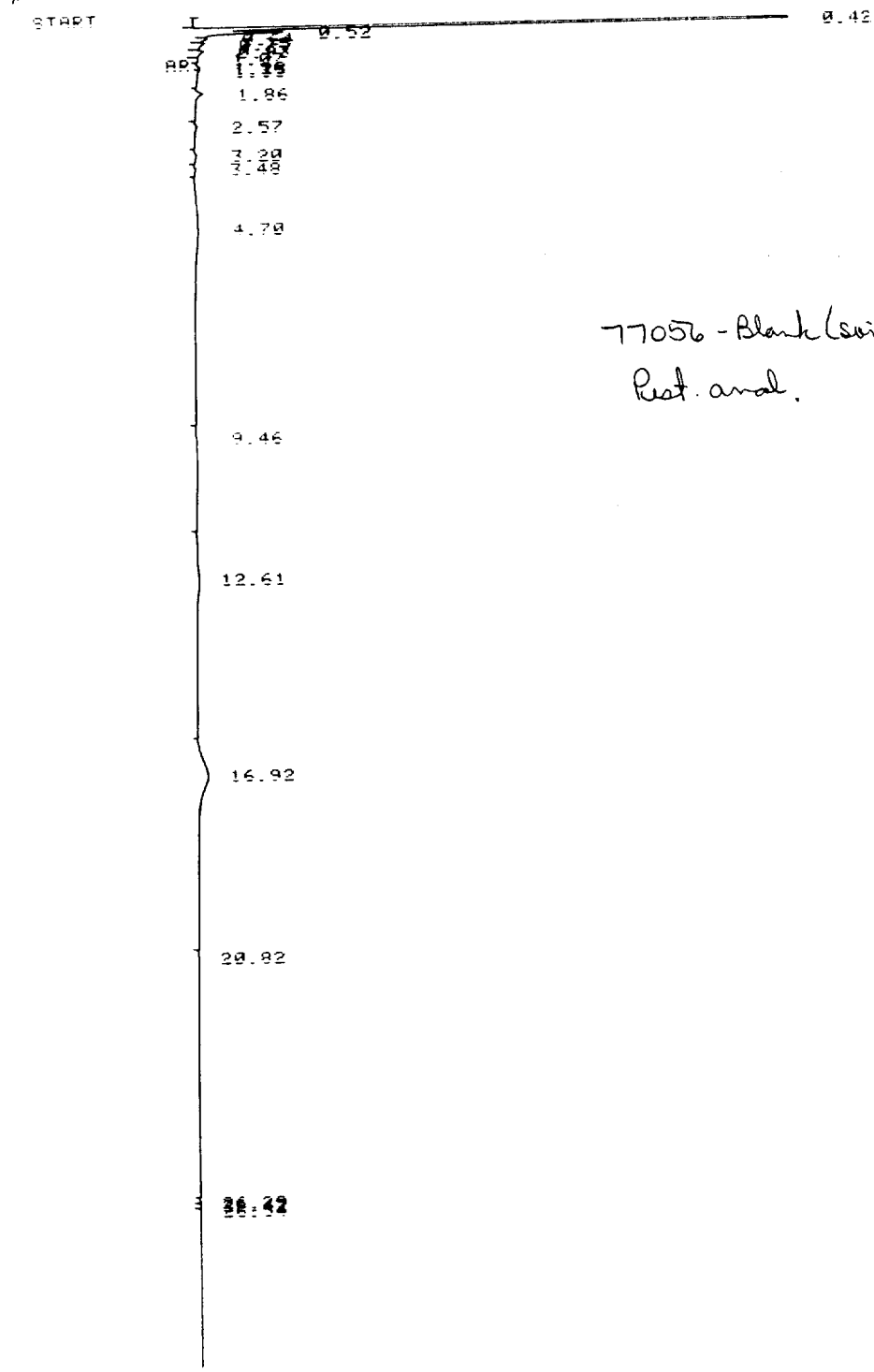


DUAL MASS SPECTRUM
03/06/84 17:04:00 + 3:47
SAMPLE: 77056-BLANK
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN710 #239 BASE M/E: 71/ 71
CALI: EPABN710 #1 RIC: 82943./ 131583.



77056-Blk




77056 - Blank (soil)
Pest. anal.

158

HP RUN # 514
ID:0
AREA %

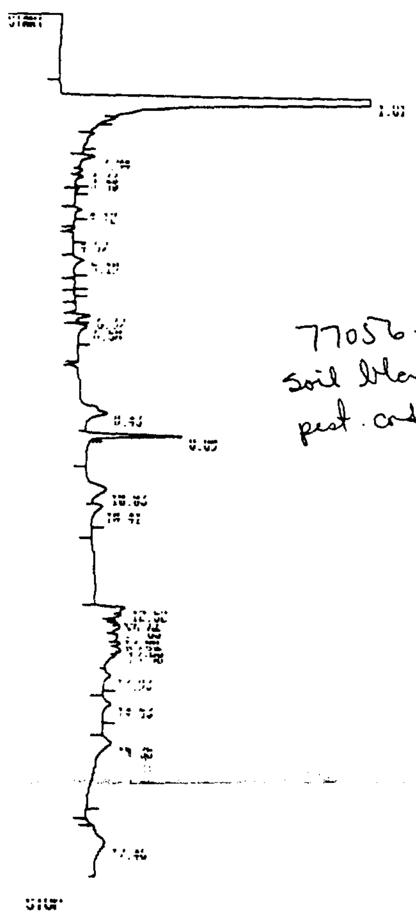
| RT | AREA | AREA % |
|---|---|---|
| 1.28 | 4961 | 3.282 |
| 1.35 | 10130 | 6.702 |
| 1.86 | 14650 | 9.692 |
| 2.57 | 6226 | 4.119 |
| 3.20 | 3234 | 2.140 |
| 3.48 | 1766 | 1.168 |
| 4.70 | 33860 | 22.401 |
| 9.46 | 5403 | 3.574 |
| 12.61 | 13210 | 8.739 |
| 16.92 | 49400 | 32.682 |
| 20.82 | 4285 | 2.835 |
| 26.29 | 1412 | 0.934 |
| 26.42 | 51 | 0.034 |
| 26.54 | 2567 | 1.698 |

DIL FACTOR: 1.0000 E+ 0

159

ATTN 2+ 2
A 40 # 59.7

Confirmation
77056-BLK.
FSCC
1ul



77056-
soil blank
pest. confirm.

RUN # 1021 MAR/13/04 12:44:56

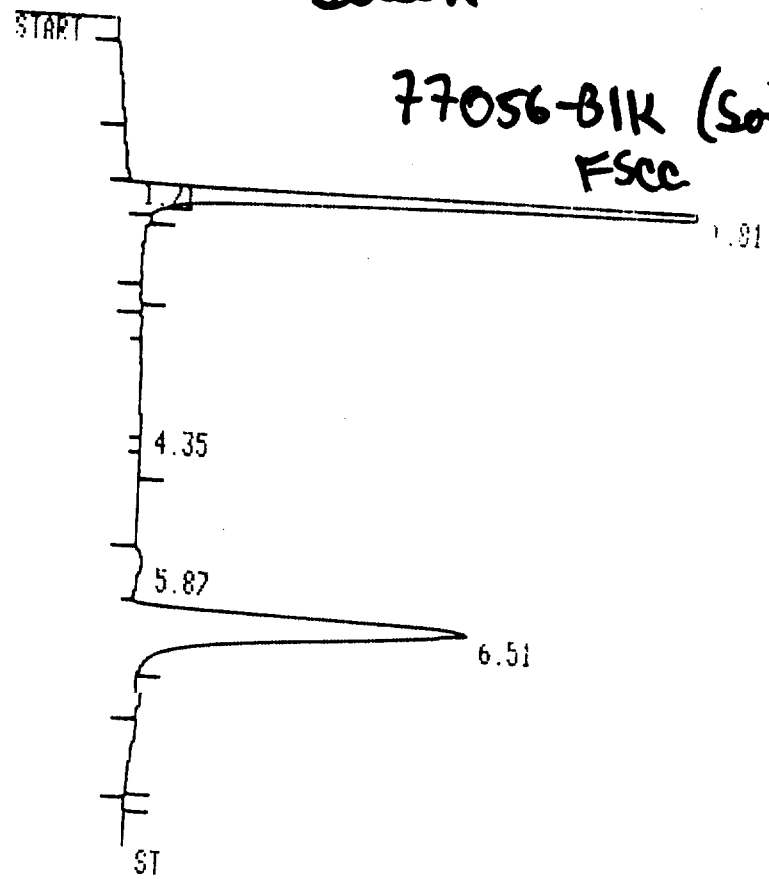
AREA%

| RT | AREA | TYPE | AR/HT | AREA% |
|---|---|---|---|---|
| 1.01 | [illegible] | PB | 0.034 | [illegible] |
| 2.99 | 10801 | BP | 0.009 | 0.020 |
| 3.33 | 3732 | PP | 0.007 | 0.333 |
| 3.45 | 4741 | PB | 0.053 | 0.236 |
| 4.12 | 5888 | BB | 0.075 | 0.310 |
| 4.67 | 3103 | PB | 0.122 | 0.194 |
| 5.19 | 7138 | BB | 0.183 | 0.446 |
| 6.37 | 13891 | PB | 0.088 | 0.064 |
| 6.58 | 7888 | PB | 0.123 | 0.482 |
| 8.43 | 13672 | PP | 0.386 | 1.238 |
| 9.05 | 71588 | PB | 0.085 | 4.452 |
| 10.03 | 13744 | PP | 0.235 | 0.050 |
| 10.41 | 5410 | VB | 0.107 | 0.507 |
| 12.52 | 12543 | BP | 0.186 | 1.407 |
| 12.77 | 14666 | PP | 0.051 | 0.315 |
| 12.97 | 16886 | PP | 0.085 | 1.053 |
| 13.09 | 15833 | PP | 0.173 | 0.508 |
| 13.75 | 16966 | PP | 0.085 | 1.002 |
| 13.98 | 16685 | PP | 0.053 | 1.023 |
| 13.73 | 6582 | PB | 0.212 | 0.406 |
| 14.53 | 6272 | PB | 0.158 | 0.333 |
| 15.95 | 5212 | BB | 0.152 | 0.575 |
| 17.46 | 16588 | BP | 0.453 | 0.605 |

TOTAL AREA= 1062400
MUL FACTOR= 1.0000E+00

TCDD Screen

77056-BIK (Soil)
FSCC




RUN # 65 MAR/16/84 11:30:36

HEIGHT%

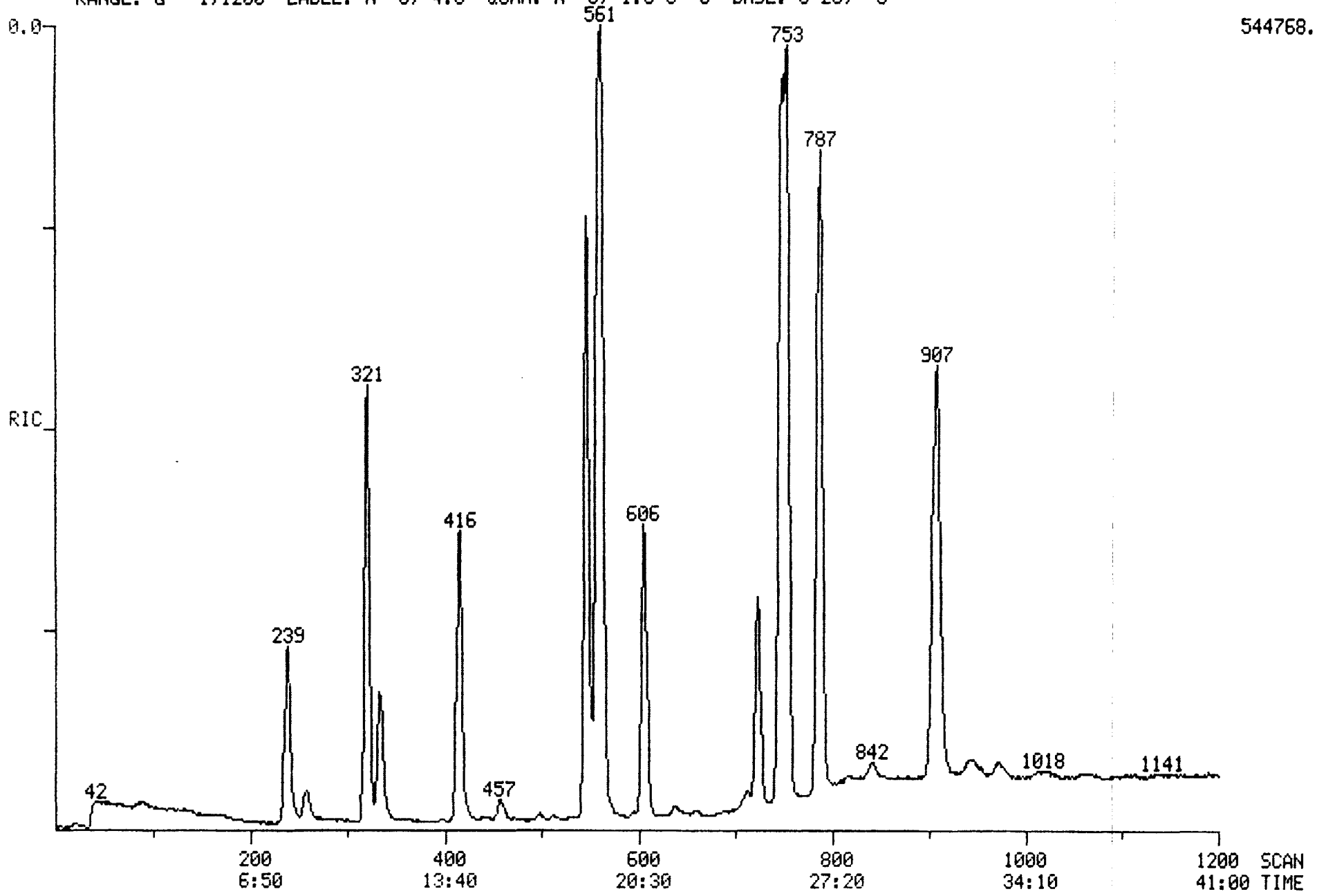
| RT | HEIGHT | TYPE | AR/HT | HEIGHT% |
|---|---|---|---|---|
| 1.71 | 2593 | BP | 0.286 | 0.443 |
| 1.81 | 447853 | PB | 0.095 | 76.490 |
| 4.35 | 759 | VV | 0.622 | 0.130 |
| 5.87 | 2848 | BP | 0.289 | 0.486 |
| 6.51 | 131454 | PB | 0.282 | 22.451 |

TOTAL HGHT= 585510
MUL FACTOR= 1.0000E+00

RIC
02/26/84 23:28:00
SAMPLE: 77056-4 MS
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA884 #1
CALI: EPAVOA884 #1

SCANS 1 TO 1200



DATA: EPAVOA884.TI
02/26/84 23:28:00
SAMPLE: 77056-4 MS
SUBMITTED BY: EPA ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

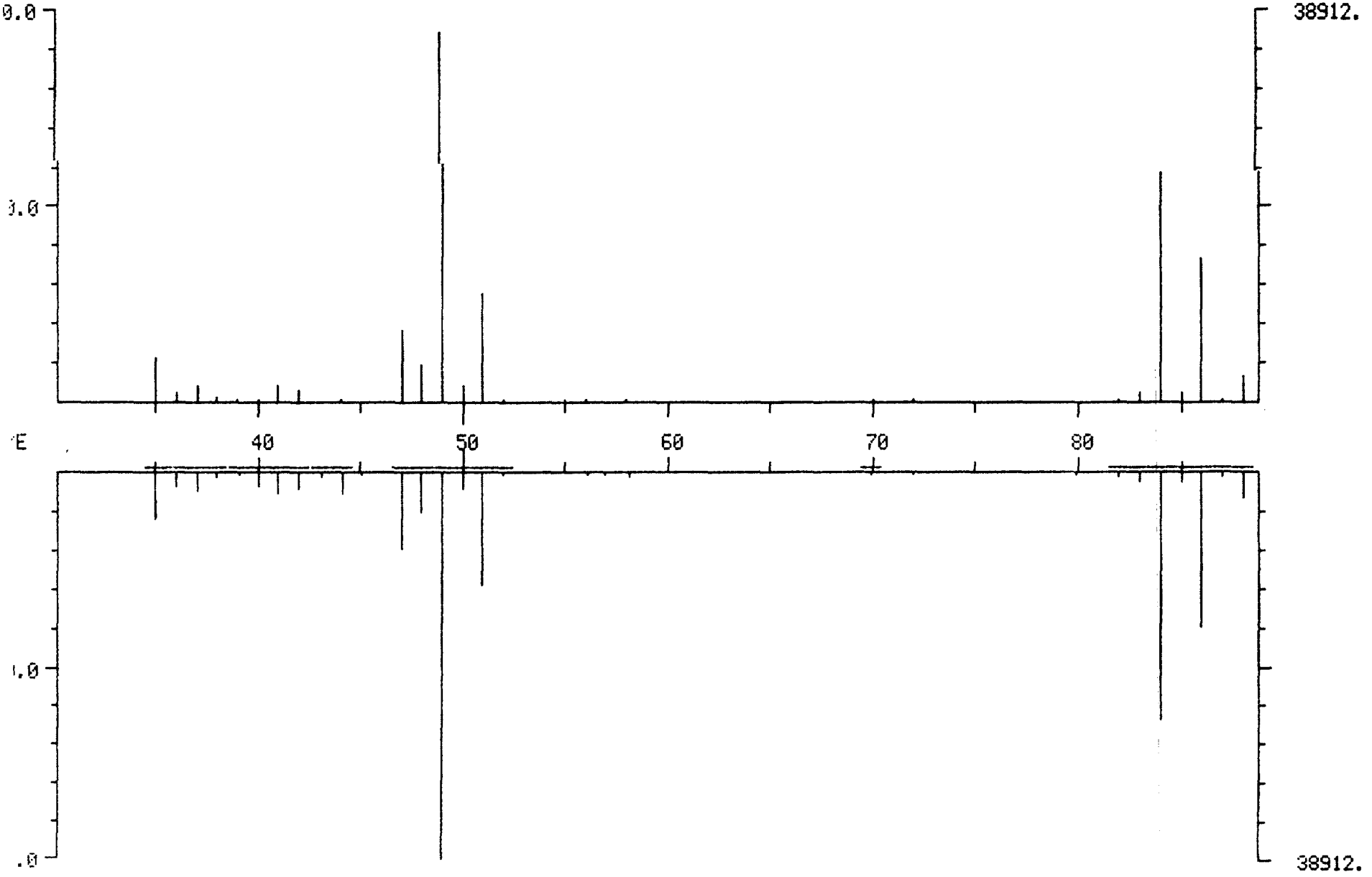
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 334 | 11:25 | 1 | 1.000 | A BB | 86380. | 50.000 UG/L | 4.40 |
| 2 | 77 | 606 | 20:42 | 2 | 1.000 | A BB | 302744. | 50.000 UG/L | 4.40 |
| 3 | 55 | 724 | 24:44 | 3 | 1.000 | A BB | 319180. | 50.000 UG/L | 4.40 |
| 4 | NOT FOUND | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | 84 | 239 | 8:10 | 1 | 0.716 | A BB | 161355. | 32.713 UG/L | 2.88 |
| 9 | 56 | 259 | 8:51 | 1 | 0.775 | A BV | 3342. | 16.023 UG/L | 1.41 |
| 10 | NOT FOUND | | | | | | | | |
| 11 | 61 | 321 | 10:58 | 1 | 0.961 | A BB | 574365. | 104.626 UG/L | 9.21 |
| 12 | 63 | 359 | 12:16 | 1 | 1.075 | A BB | 488. | 0.070 UG/L | 0.01 |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 83 | 397 | 13:34 | 1 | 1.189 | A BB | 2462. | 0.361 UG/L | 0.03 |
| 15 | NOT FOUND | | | | | | | | |
| 16 | 97 | 458 | 15:39 | 1 | 1.371 | A BB | 1370. | 0.323 UG/L | 0.03 |
| 17 | 58 | 257 | 8:47 | 1 | 0.769 | A BB | 12940. | 10.111 UG/L | 0.89 |
| 18 | 76 | 287 | 9:48 | 1 | 0.859 | A BB | 998. | 0.134 UG/L | 0.01 |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | 63 | 524 | 17:54 | 2 | 0.865 | A BB | 221. | 0.048 UG/L | 0.00 |
| 22 | 75 | 533 | 18:13 | 2 | 0.880 | A*BV | 2632. | 0.567 UG/L | 0.05 |
| 23 | 95 | 547 | 18:41 | 2 | 0.903 | A BB | 416129. | 91.915 UG/L | 8.09 |
| 24 | 78 | 562 | 19:12 | 2 | 0.927 | A BB | 1046160. | 104.763 UG/L | 9.22 |
| 25 | 129 | 567 | 19:22 | 2 | 0.936 | A VB | 817. | 0.202 UG/L | 0.02 |
| 26 | 83 | 567 | 19:22 | 2 | 0.936 | A*BB | 1263. | 0.448 UG/L | 0.04 |
| 27 | NOT FOUND | | | | | | | | |
| 28 | 63 | 608 | 20:46 | 2 | 1.003 | A BB | 5007. | 2.636 UG/L | 0.23 |
| 29 | 173 | 640 | 21:52 | 2 | 1.056 | A VB | 3005. | 1.296 UG/L | 0.11 |
| 30 | 72 | 416 | 14:13 | 2 | 0.686 | A VB | 7626. | 10.051 UG/L | 0.88 |
| 31 | NOT FOUND | | | | | | | | |
| 32 | 43 | 660 | 22:33 | 2 | 1.089 | A BB | 12973. | 3.379 UG/L | 0.30 |
| 33 | 65 | 415 | 14:11 | 2 | 0.685 | A BB | 371115. | 103.129 UG/L | 9.07 |
| 34 | 84 | 558 | 19:04 | 2 | 0.921 | A VB | 1074940. | 105.106 UG/L | 9.25 |
| 35 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 36 | NOT | FOUND | | | | | | | |
| 37 | NOT | FOUND | | | | | | | |
| 38 | 166 | 713 | 24:22 | 3 | 0.985 | A BB | 10506. | 2.093 UG/L | 0.18 |
| 39 | 83 | 710 | 24:15 | 3 | 0.981 | A VB | 9417. | 3.014 UG/L | 0.27 |
| 40 | 91 | 753 | 25:44 | 3 | 1.040 | A BB | 1056970. | 88.961 UG/L | 7.83 |
| 41 | 112 | 787 | 26:53 | 3 | 1.087 | A BB | 778849. | 84.931 UG/L | 7.47 |
| 42 | 91 | 842 | 28:46 | 3 | 1.163 | A BB | 28490. | 2.227 UG/L | 0.20 |
| 43 | 43 | 702 | 23:59 | 3 | 0.970 | A BV | 9429. | 3.697 UG/L | 0.33 |
| 44 | 104 | 941 | 32:09 | 3 | 1.300 | A BB | 22539. | 3.026 UG/L | 0.27 |
| 45 | 106 | 973 | 33:15 | 3 | 1.344 | A BB | 15249. | 3.410 UG/L | 0.30 |
| 46 | 98 | 747 | 25:31 | 3 | 1.032 | A BB | 915026. | 89.707 UG/L | 7.89 |
| 47 | 145 | 815 | 27:51 | 3 | 1.126 | A*BB | 448. | 31.561 UG/L | 2.78 |
| 48 | NOT | FOUND | | | | | | | |
| 49 | 83 | 710 | 24:15 | 3 | 0.981 | A VB | 9417. | 3.014 UG/L | 0.27 |
| 50 | 95 | 907 | 30:59 | 3 | 1.253 | A BB | 557973. | 83.057 UG/L | 7.31 |

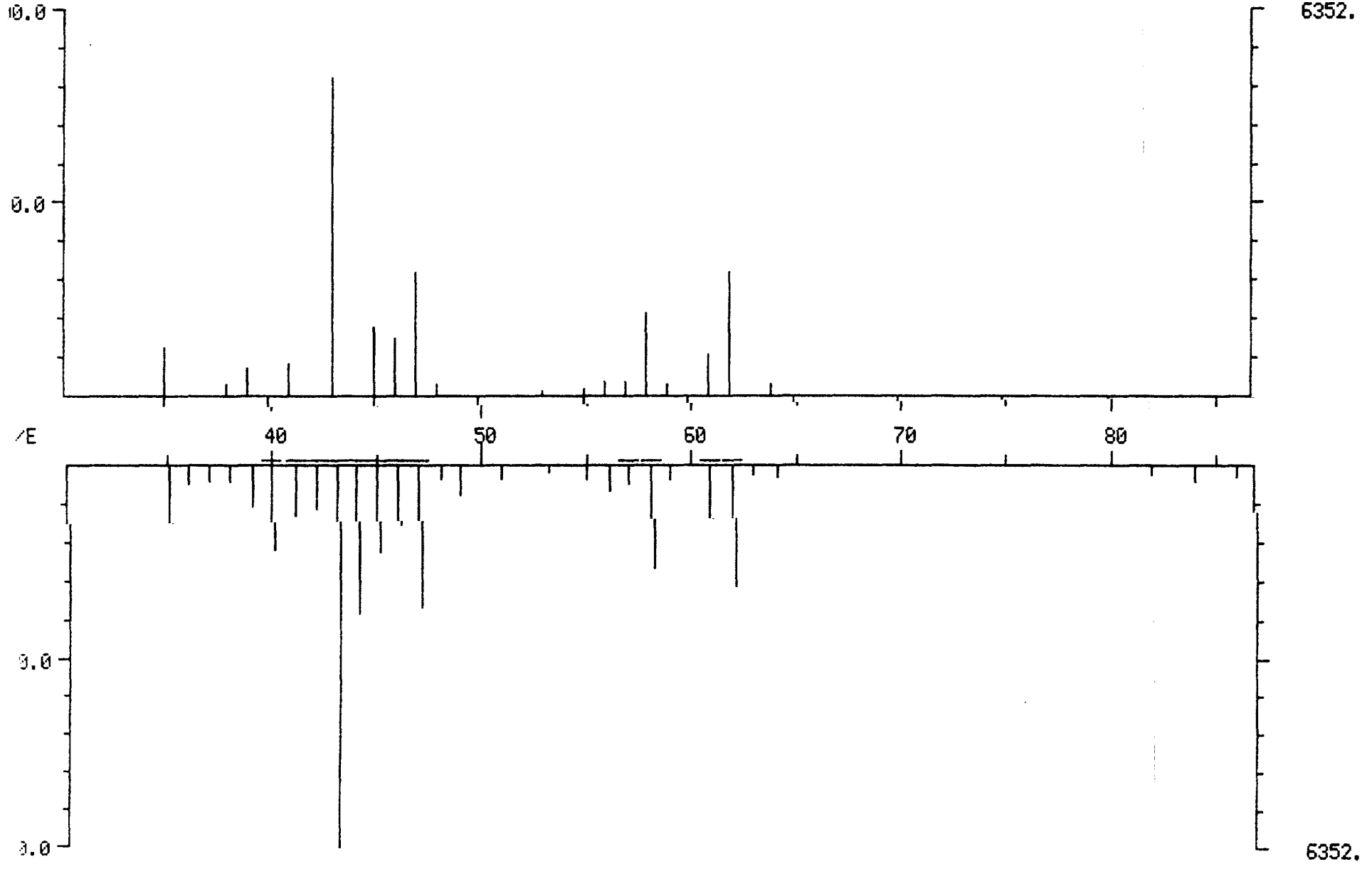
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 8:10
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #239 BASE M/E: 49/ 49
CALI: EPAVOA884 #1 RIC: 113919./ 126591.



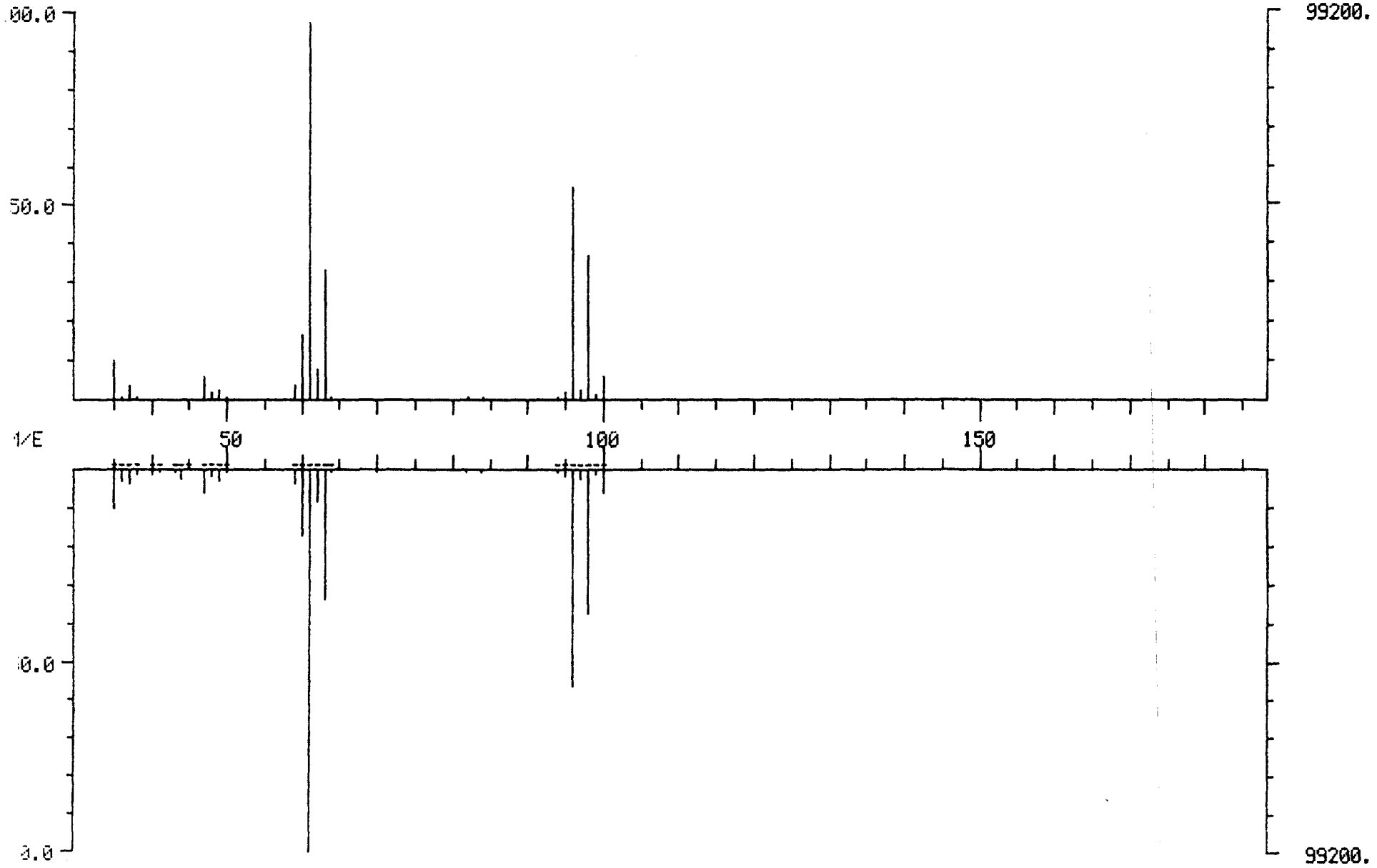
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 8:51
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #259 BASE M/E: 43/ 43
CALI: EPAVOA884 #1 RIC: 16575./ 26623.



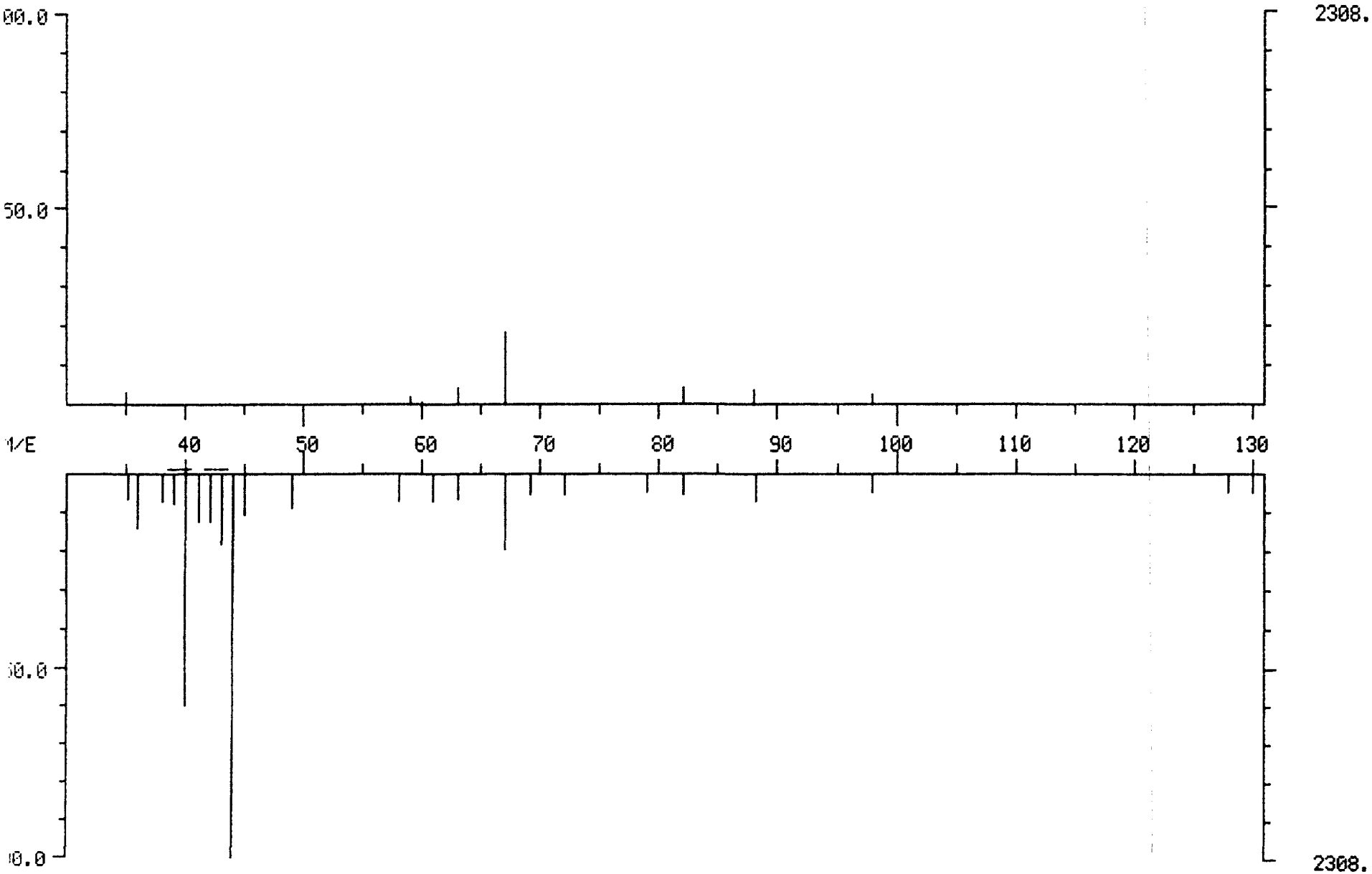
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 10:58
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #321 BASE M/E: 61/ 61
CALI: EPAVOA884 #1 RIC: 286719./ 302079.



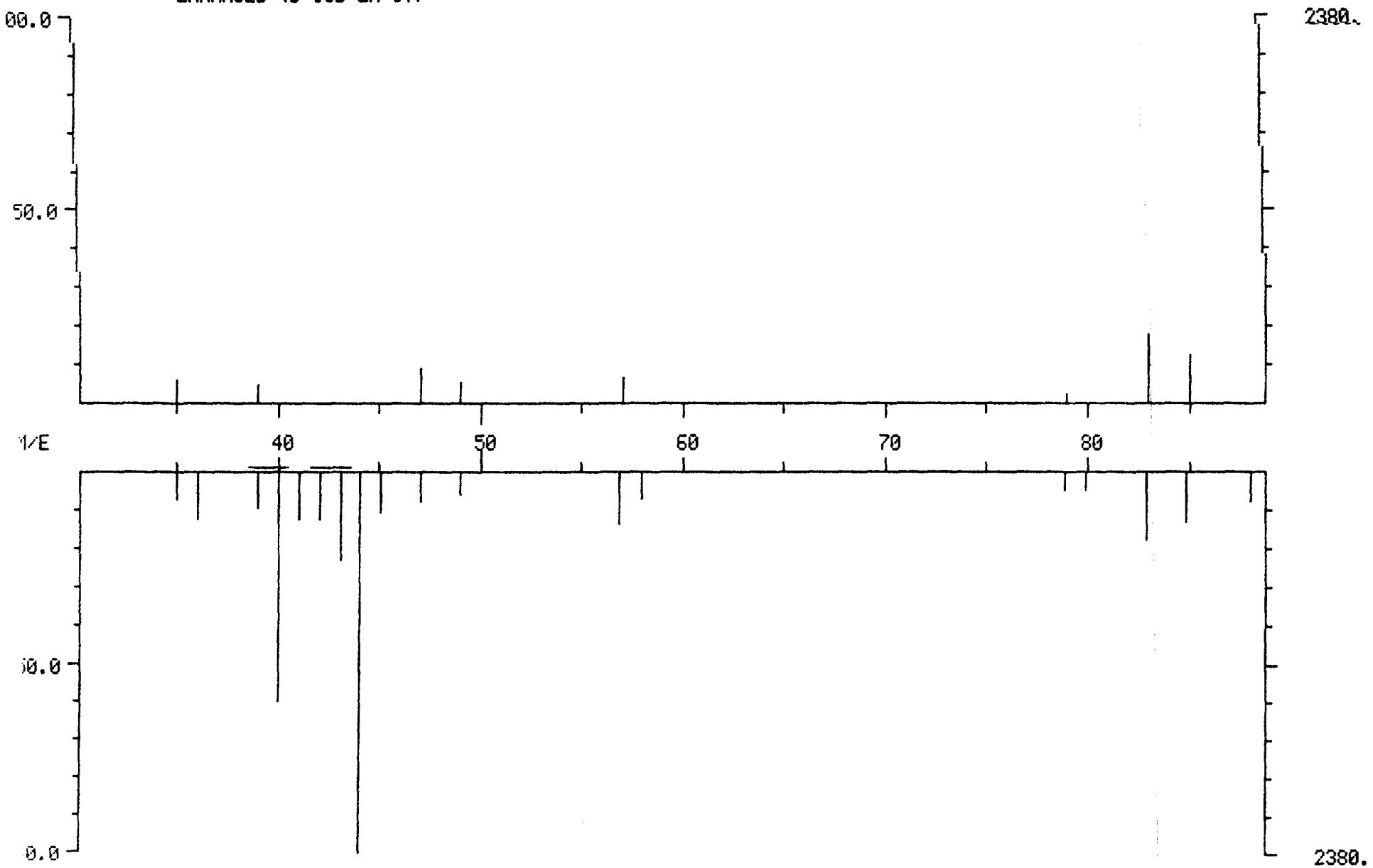
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 12:16
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #359 BASE M/E: 67/ 44
CALI: EPAVOA884 #1 RIC: 877./ 7823.



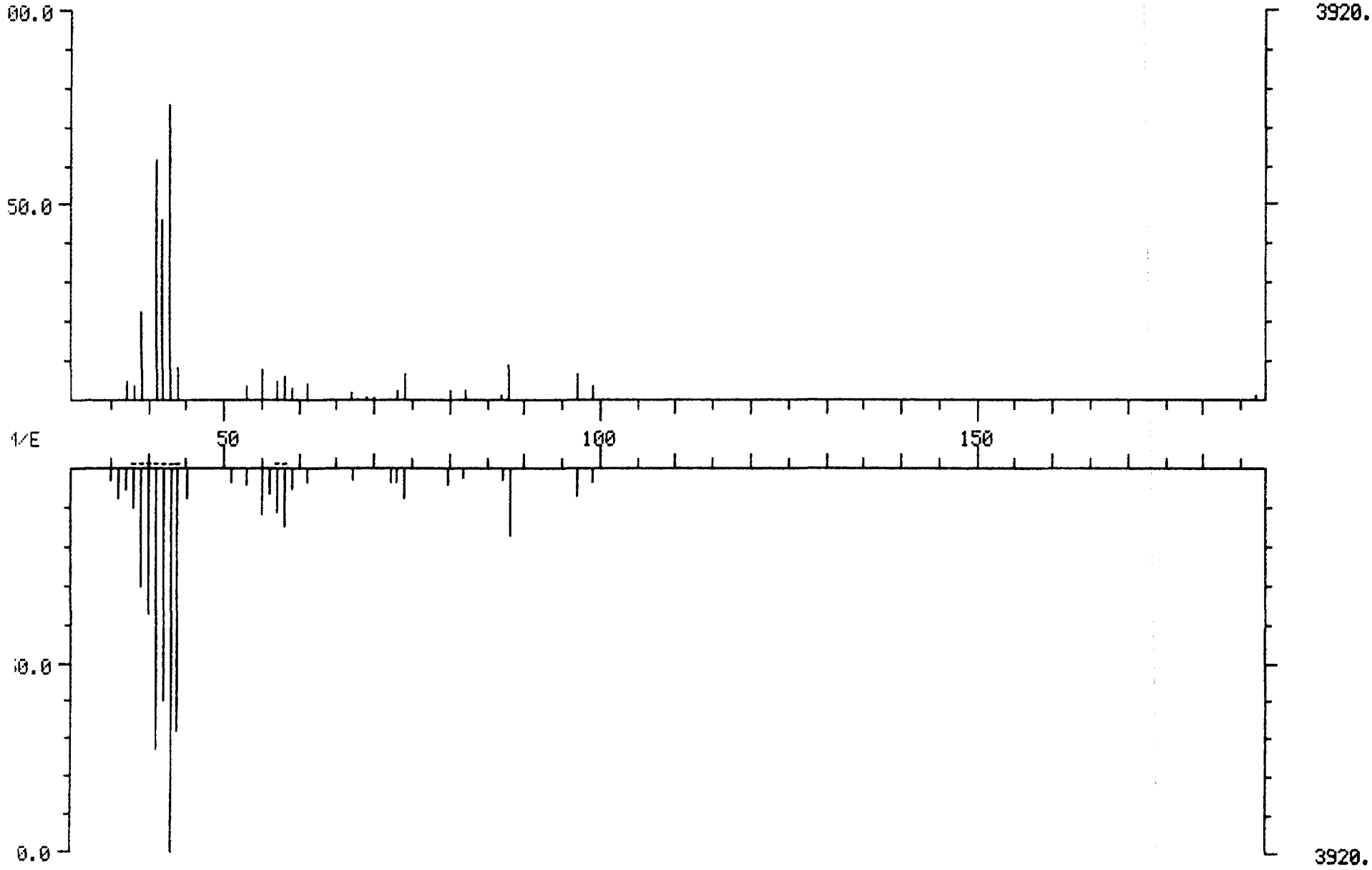
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 13:34
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #397 BASE M/E: 83/ 44
CALI: EPAVOA884 #1 RIC: 1511./ 7863.



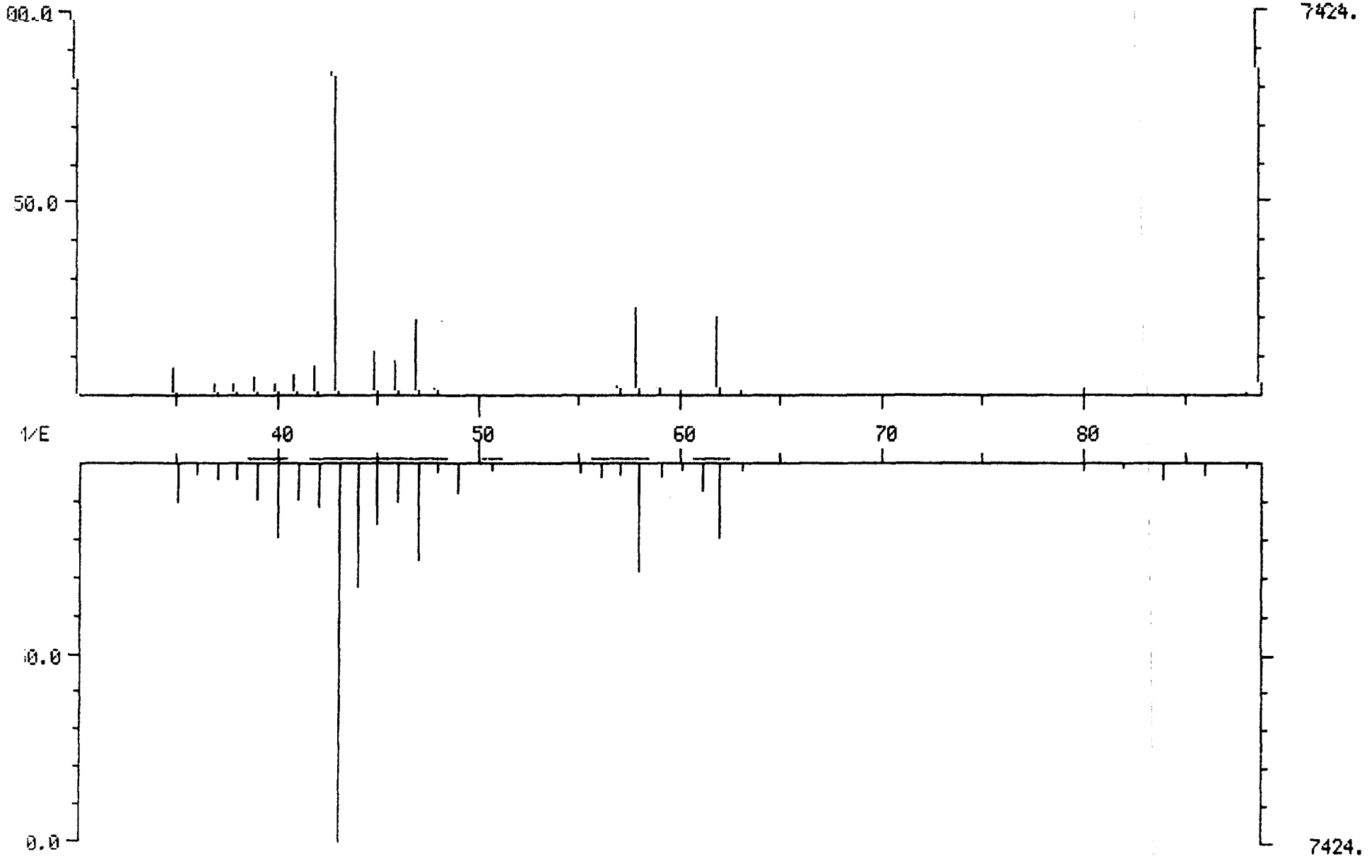
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 15:39
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #458 BASE M/E: 43/ 43
CALI: EPAVOA884 #1 RIC: 11327./ 20255.



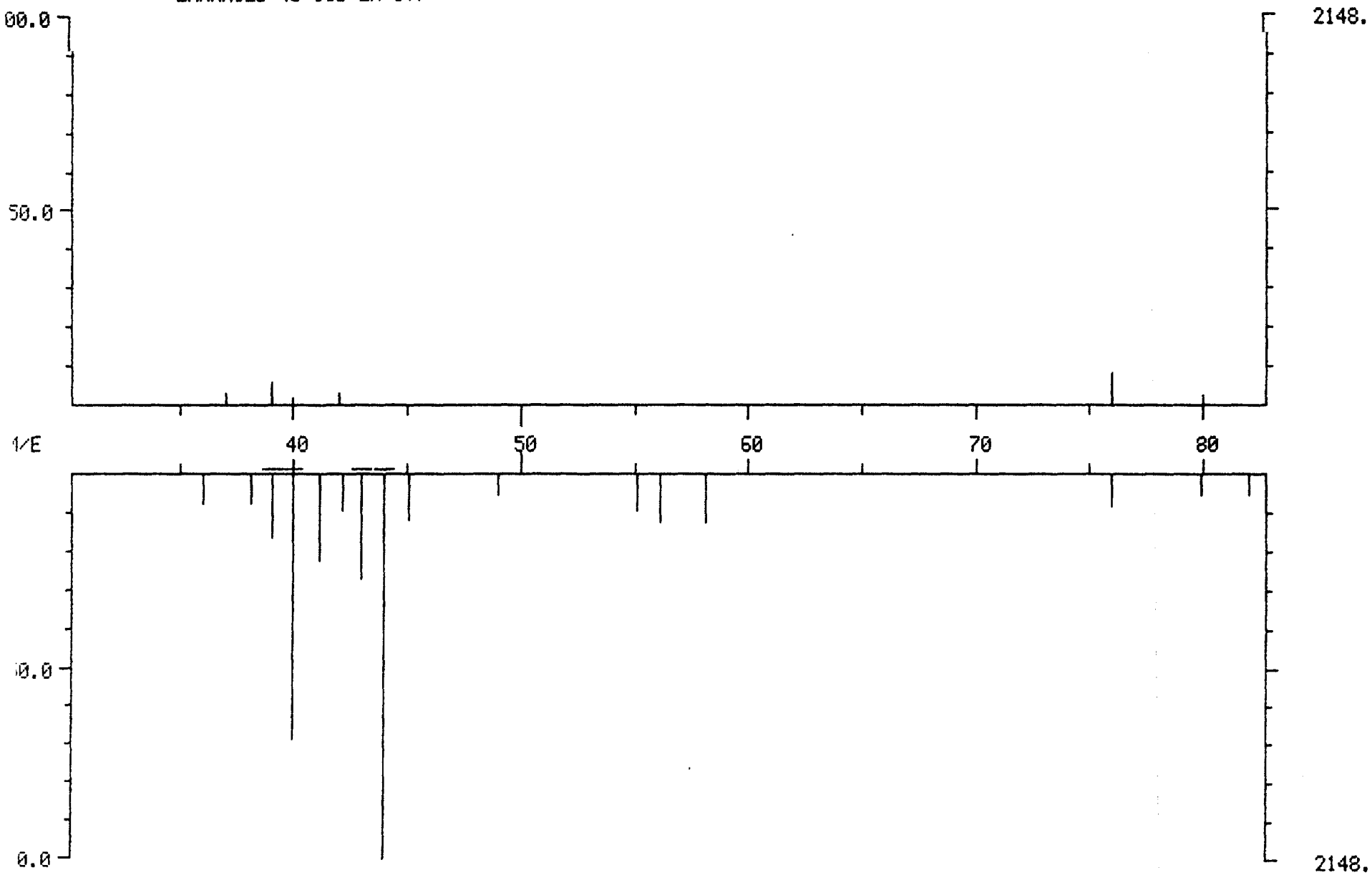
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 8:47
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #257 BASE M/E: 43/ 43
CALI: EPAVOA884 #1 RIC: 15583./ 25791.



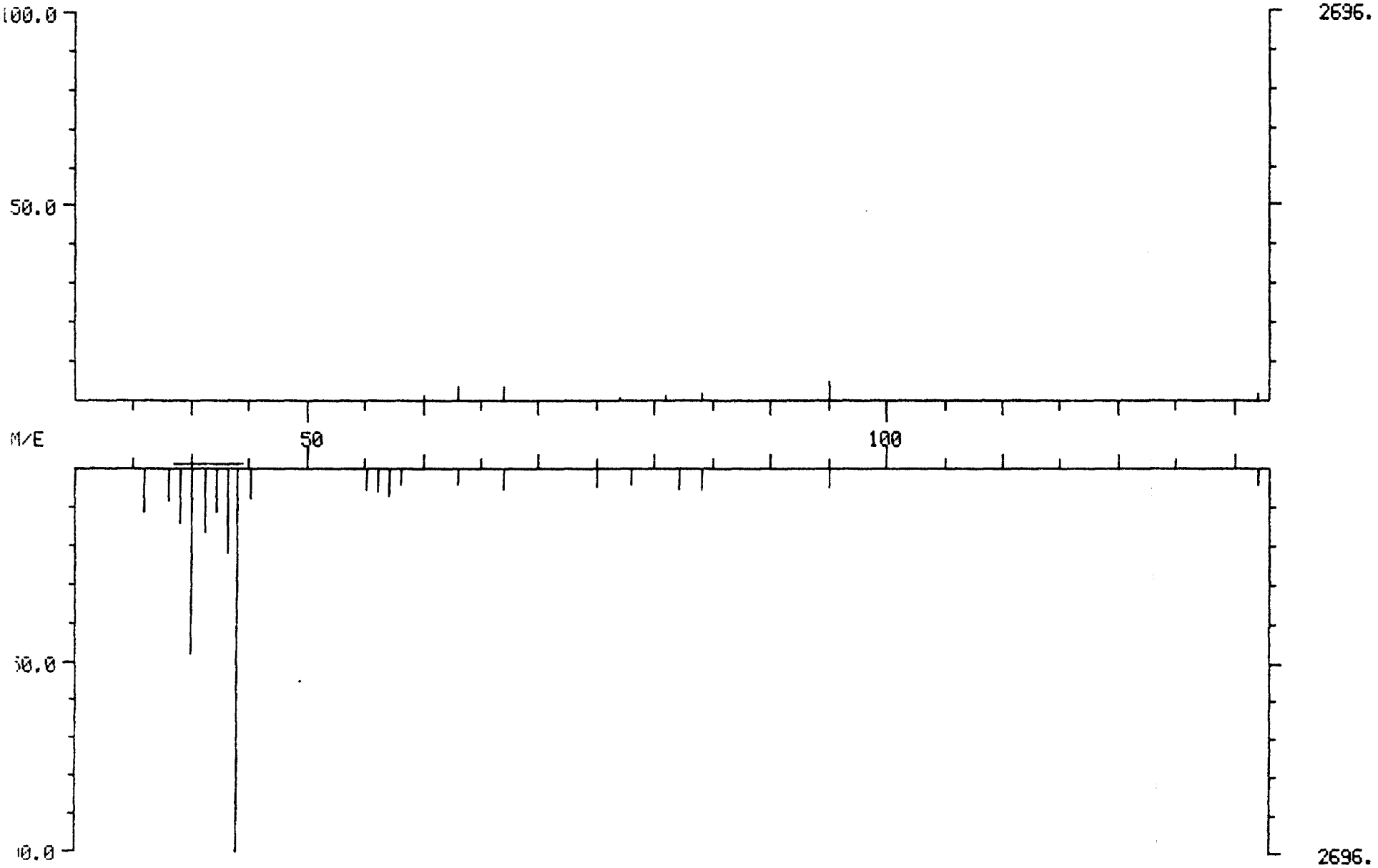
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 9:48
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #287 BASE M/E: 76/ 44
CALI: EPAVOA884 #1 RIC: 509./ 7103.



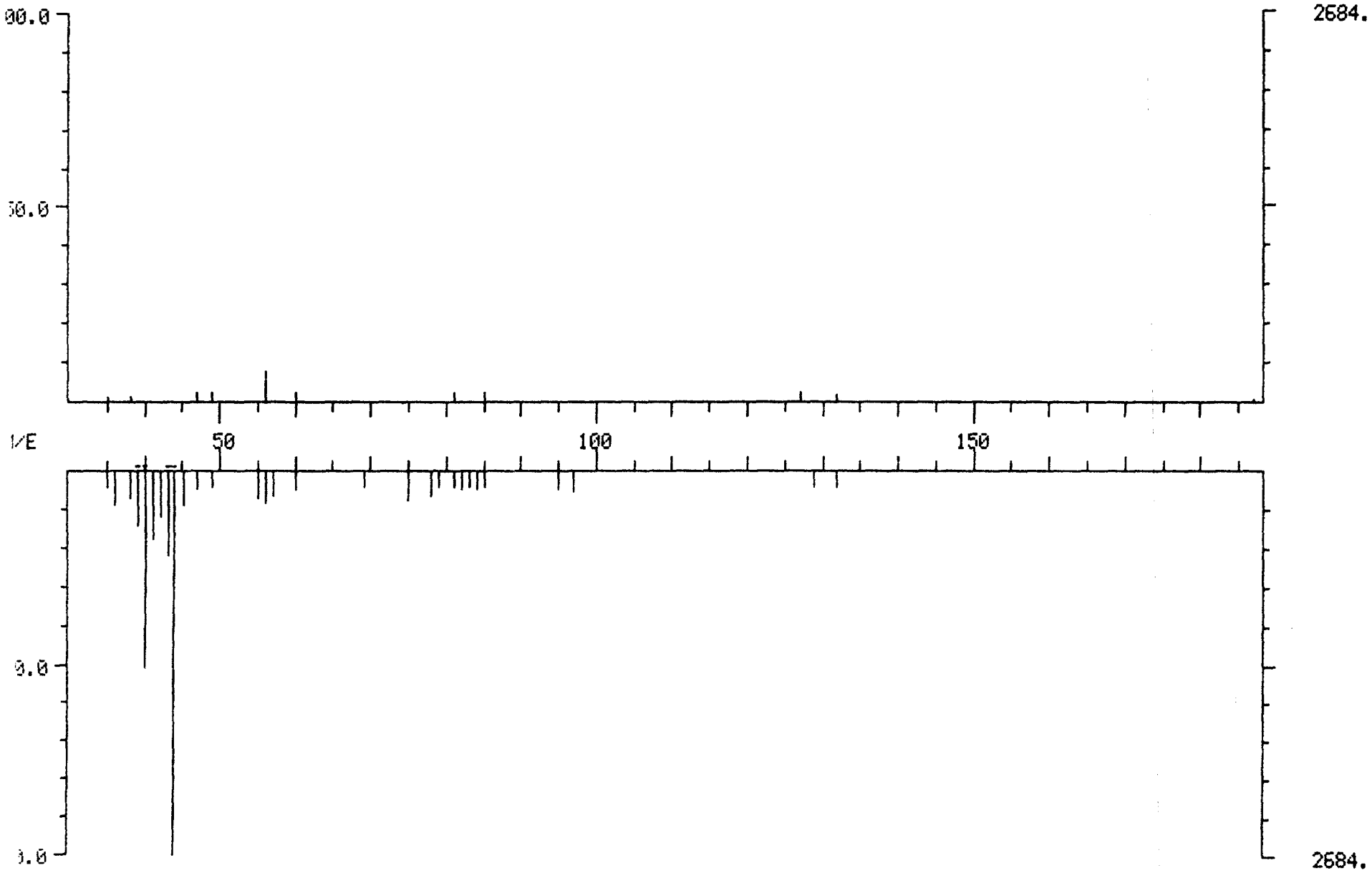
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 17:54
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #524 BASE M/E: 95/ 44
CALI: EPAVOA884 #1 RIC: 503./ 8063.



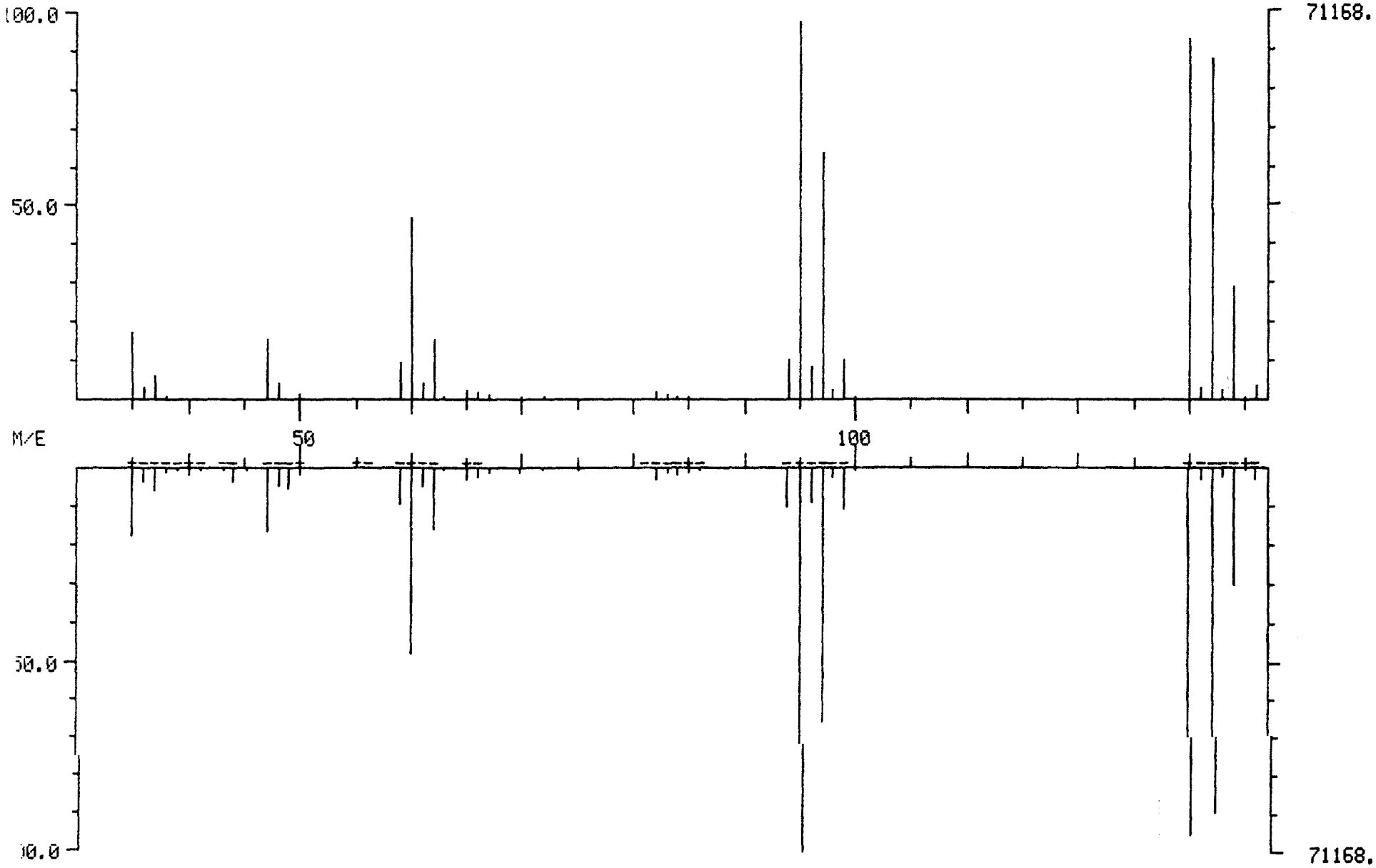
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 18:13
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #533 BASE M/E: 56/ 44
CALI: EPAVOA884 #1 RIC: 719./ 9279.



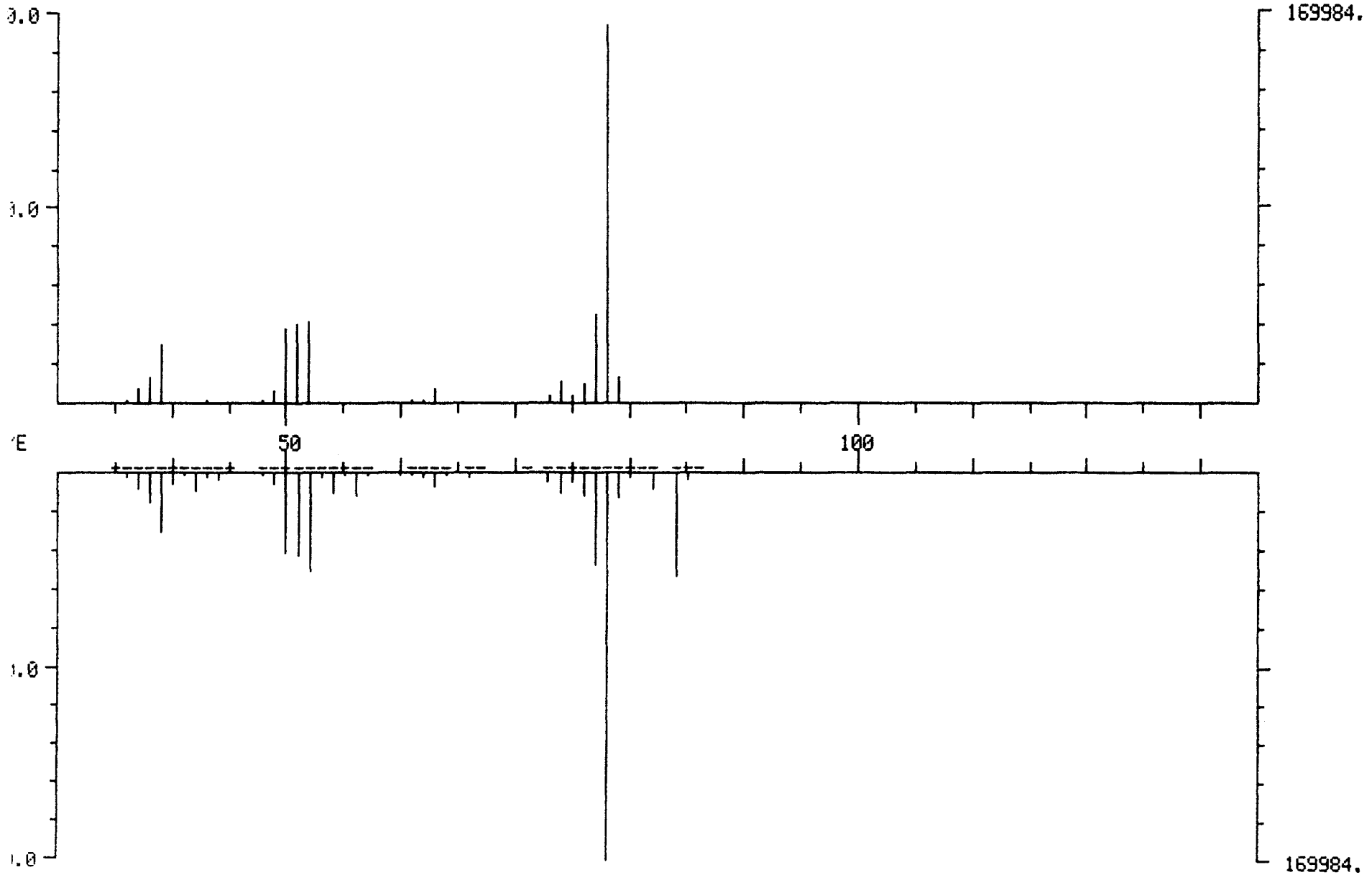
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 18:41
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #547 BASE M/E: 95/ 95
CALI: EPAVOA884 #1 RIC: 389119./ 416255.



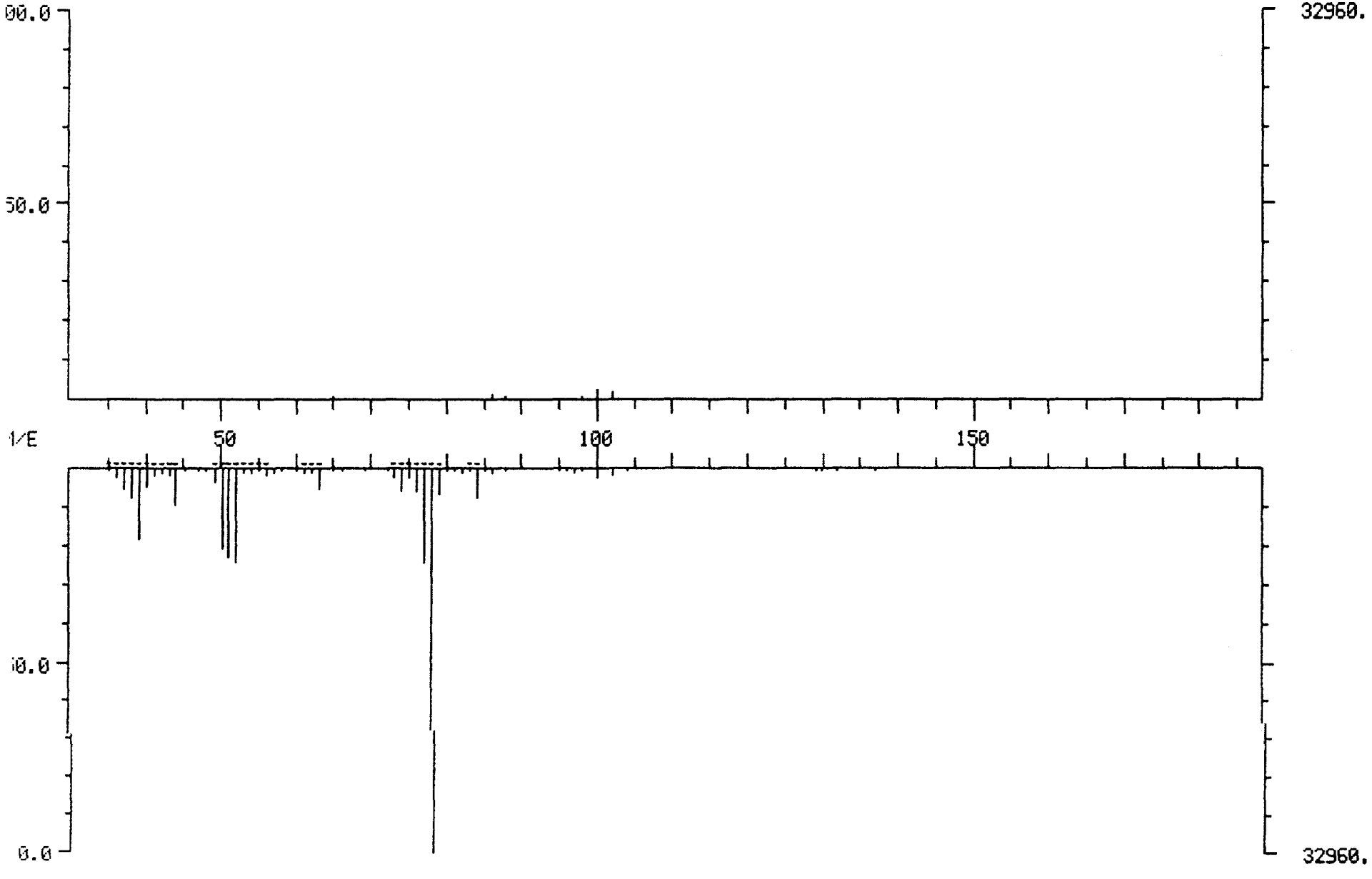
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 19:12
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #562 BASE M/E: 78/ 78
CALI: EPAVOA884 #1 RIC: 398335./ 529407.



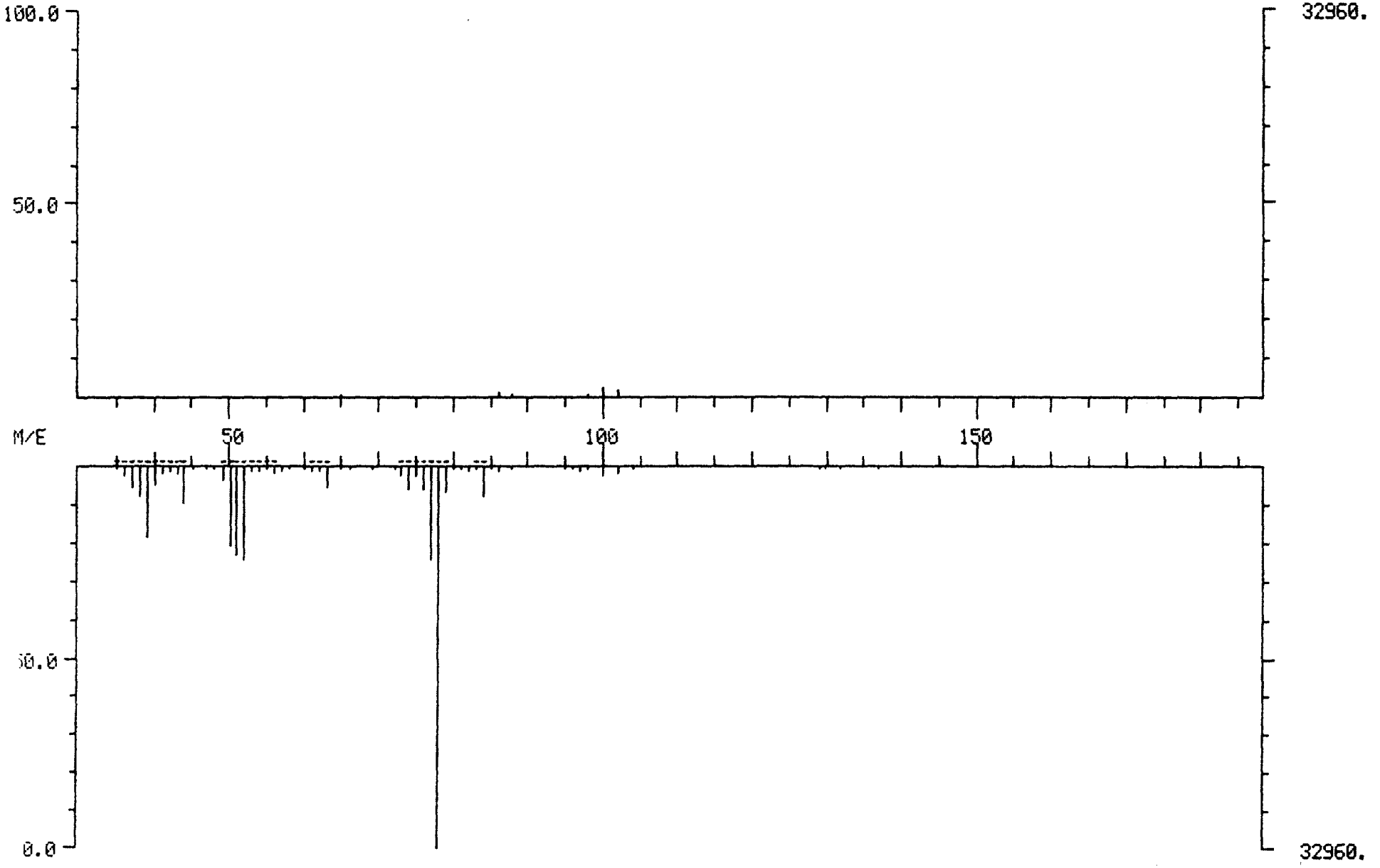
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 19:22
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #567 BASE M/E: 100/ 78
CALI: EPAVOA884 #1 RIC: 2483./ 103167.



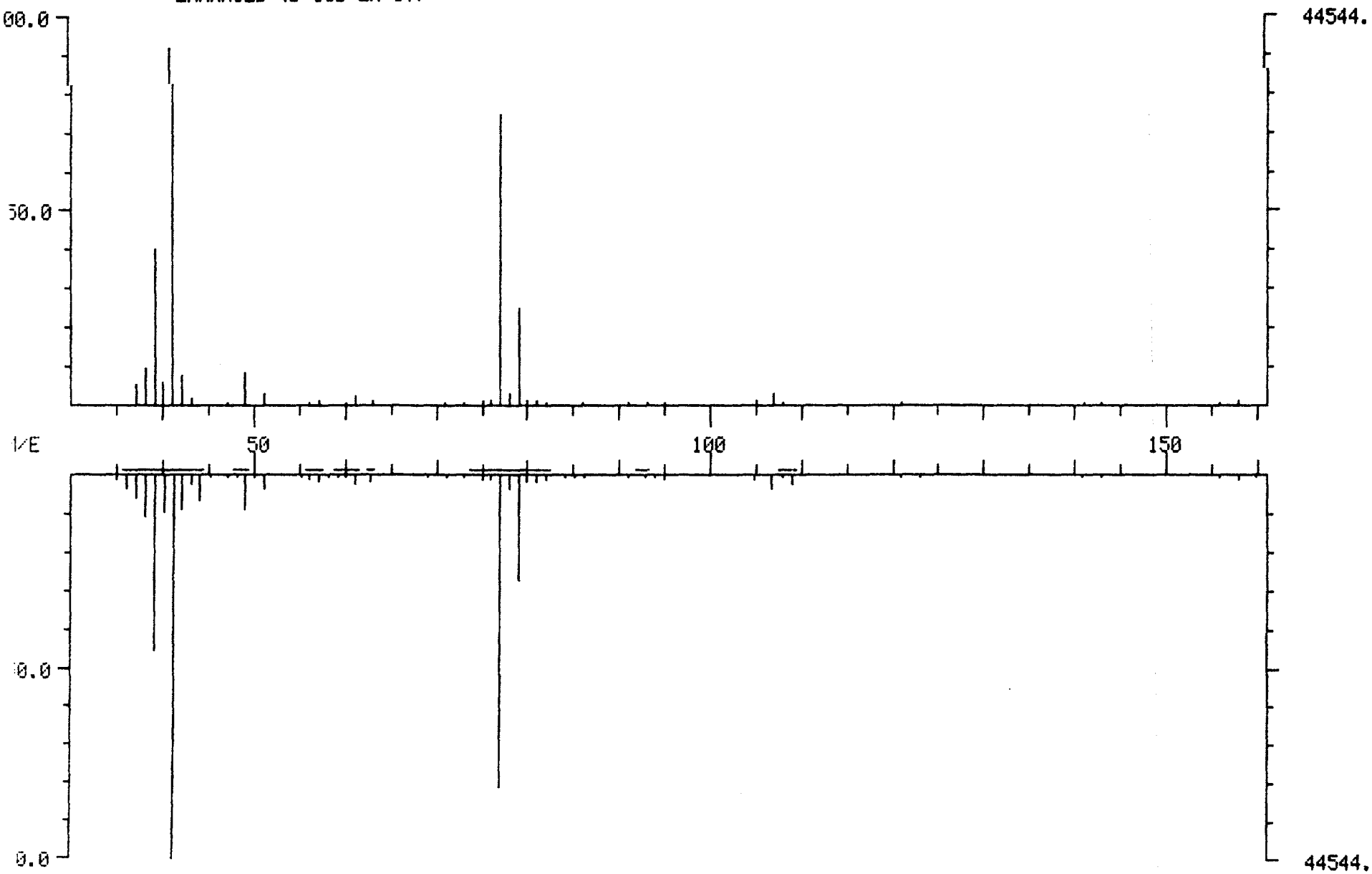
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 19:22
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #567 BASE M/E: 100/ 78
CALI: EPAVOA884 #1 RIC: 2483./ 103167.



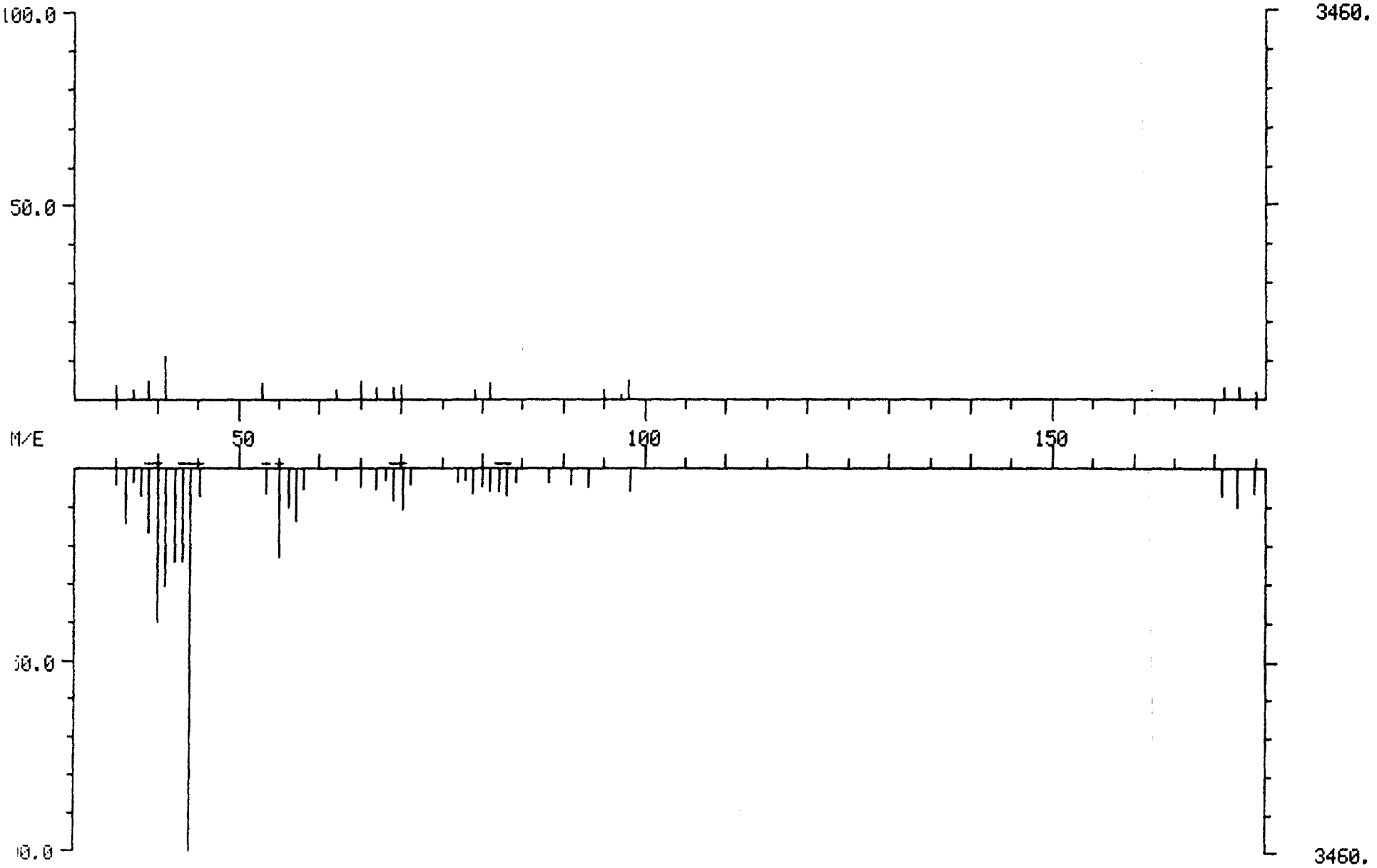
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 20:46
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAV0A884 #608 BASE M/E: 41/ 41
CALI: EPAV0A884 #1 RIC: 133631./ 159231.



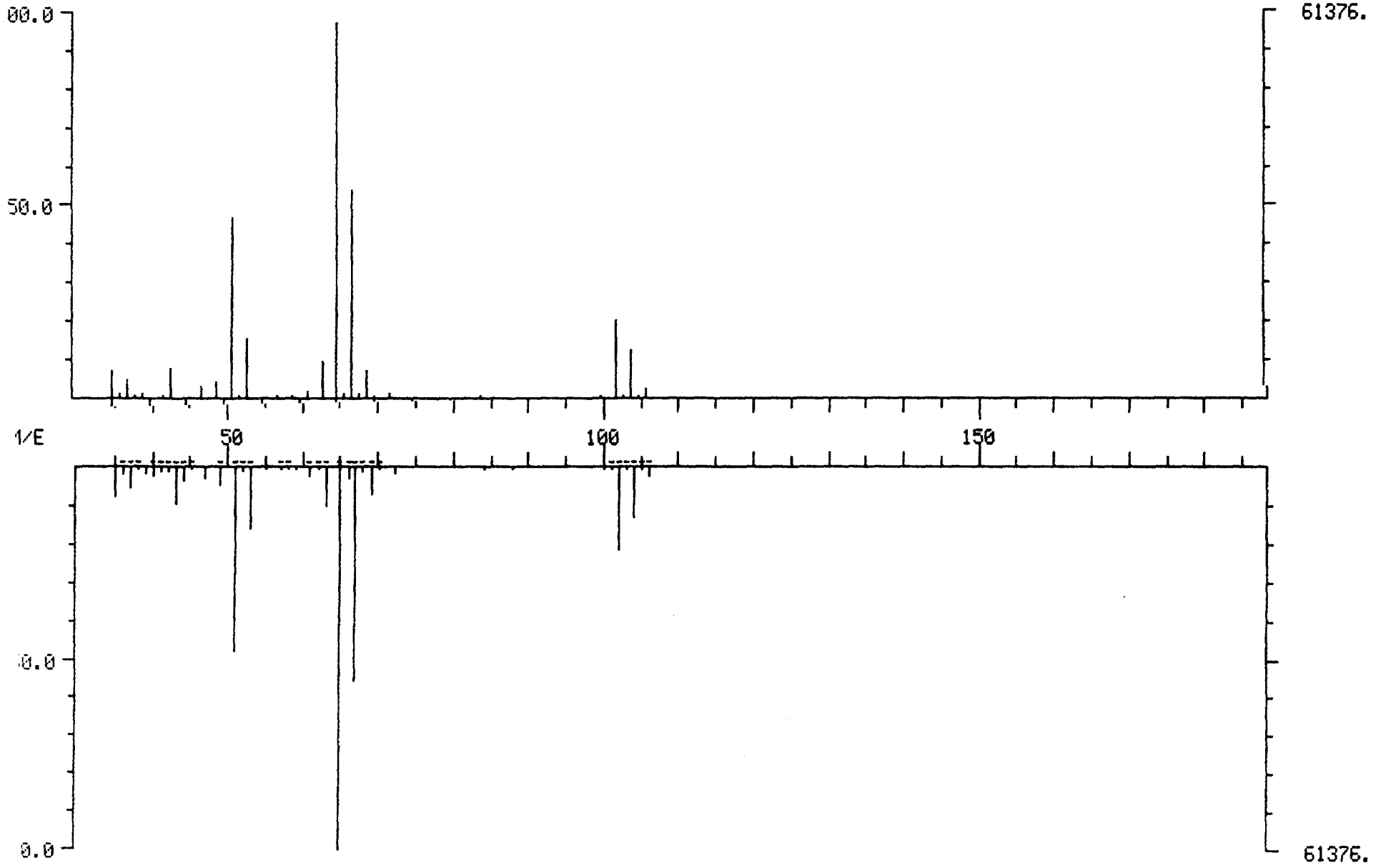
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 21:52
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #640 BASE M/E: 41/ 44
CALI: EPAVOA884 #1 RIC: 2251./ 15631.



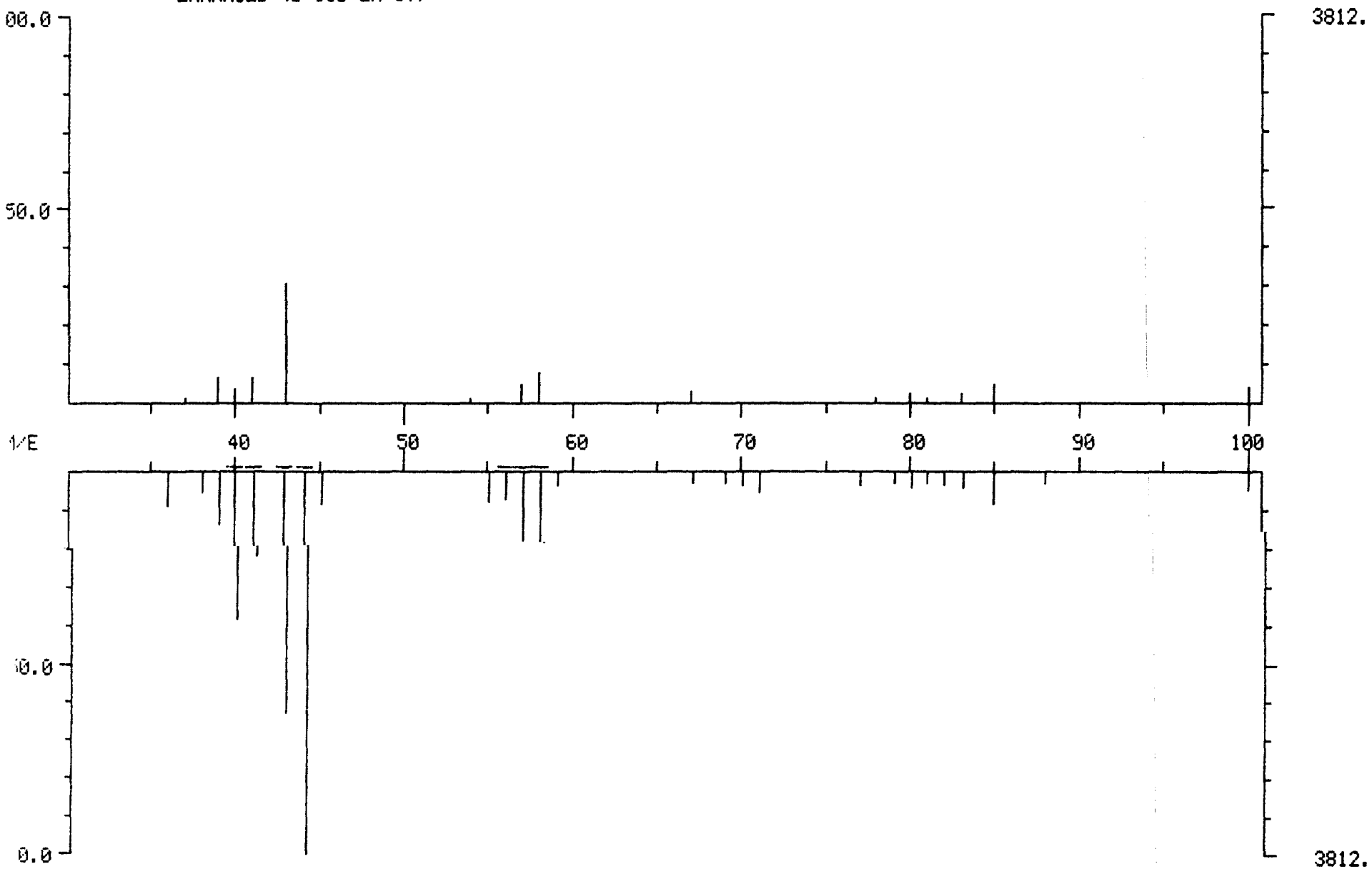
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 14:13
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #416 BASE M/E: 65/ 65
CALI: EPAVOA884 #1 RIC: 187391./ 203775.



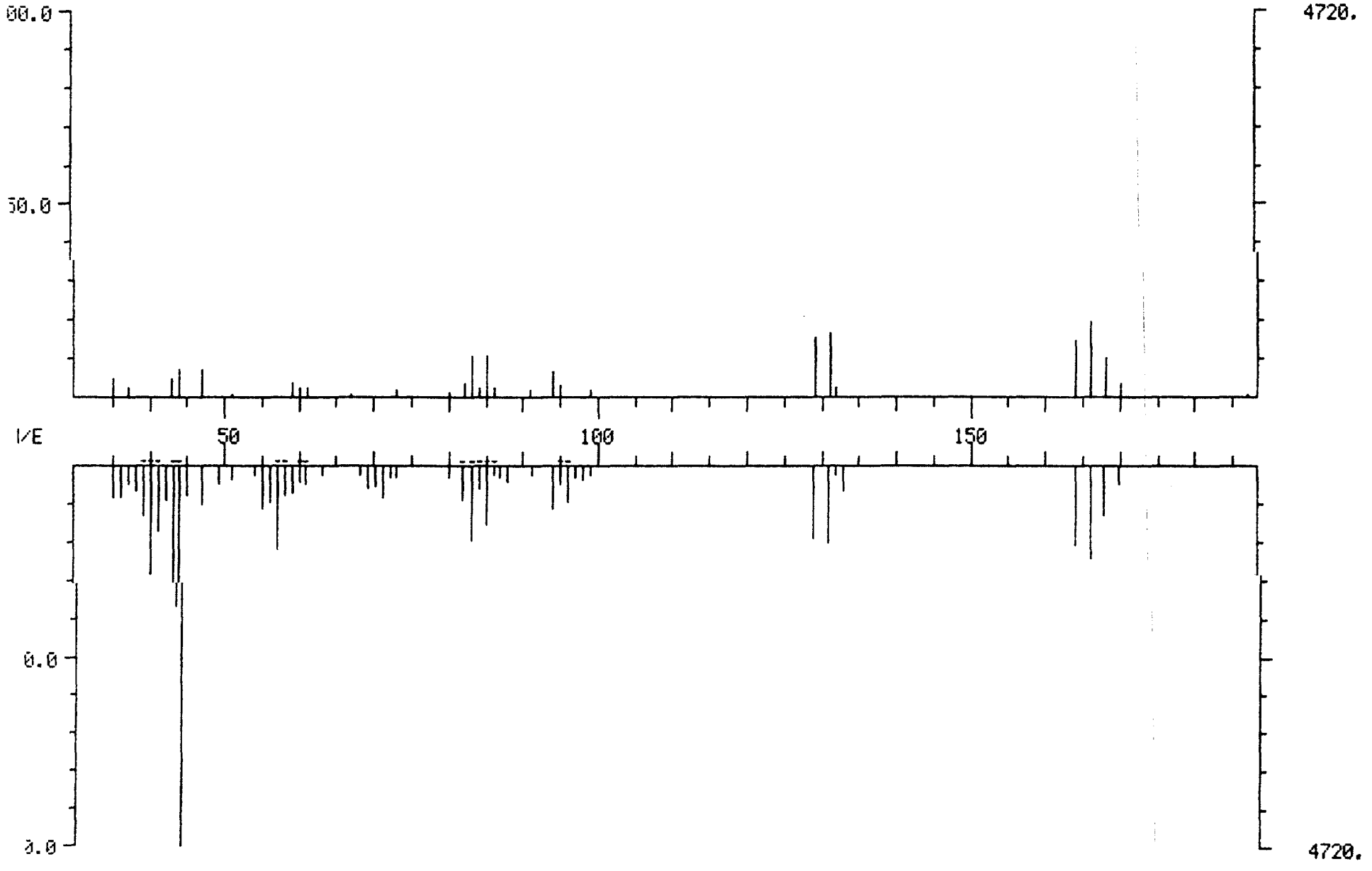
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 22:33
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #660 BASE M/E: 43/ 44
CALI: EPAVOA884 #1 RIC: 3055./ 13951.



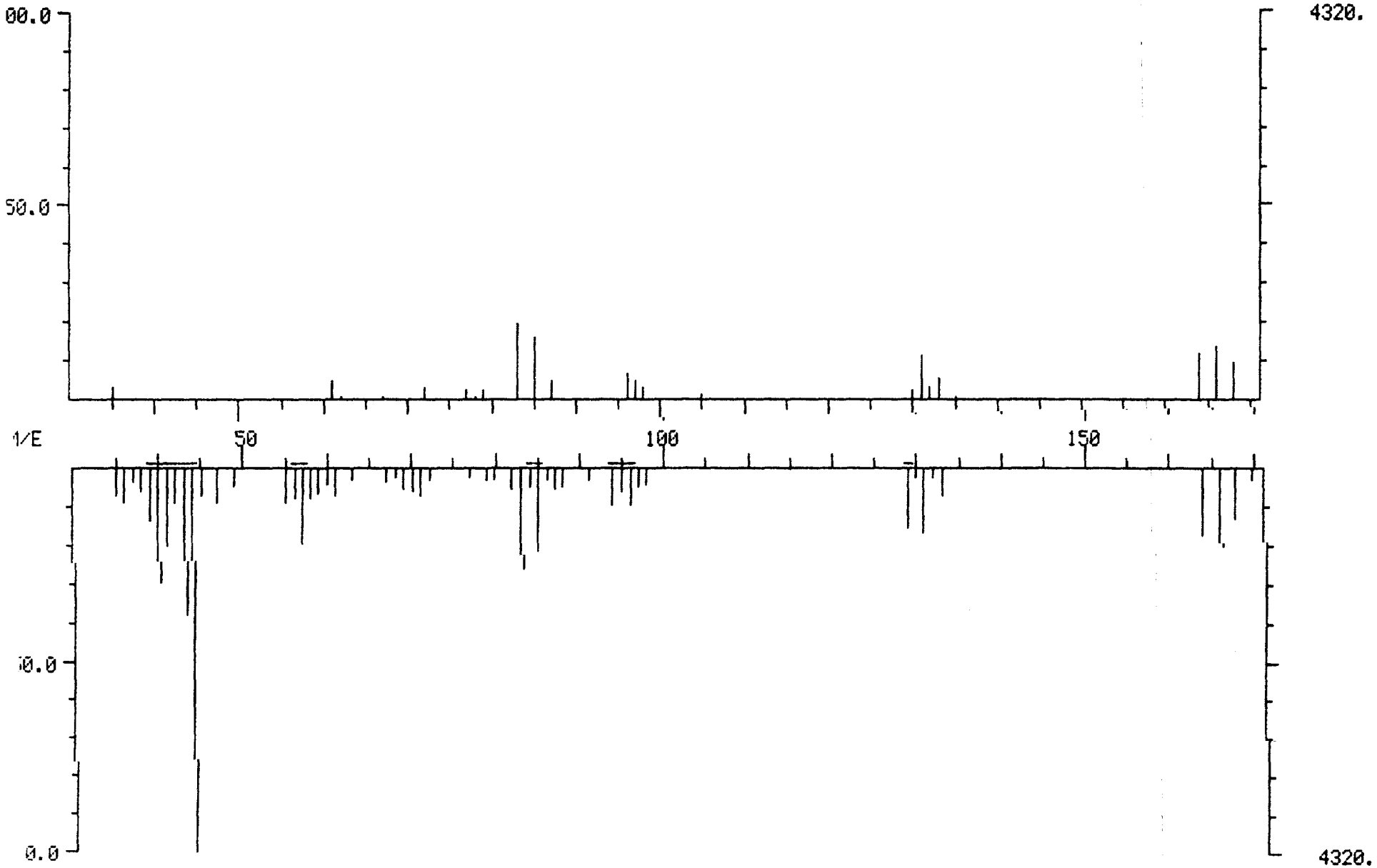
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 24:22
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #713 BASE M/E: 166/ 44
CALI: EPAVOA884 #1 RIC: 7743./ 26751.



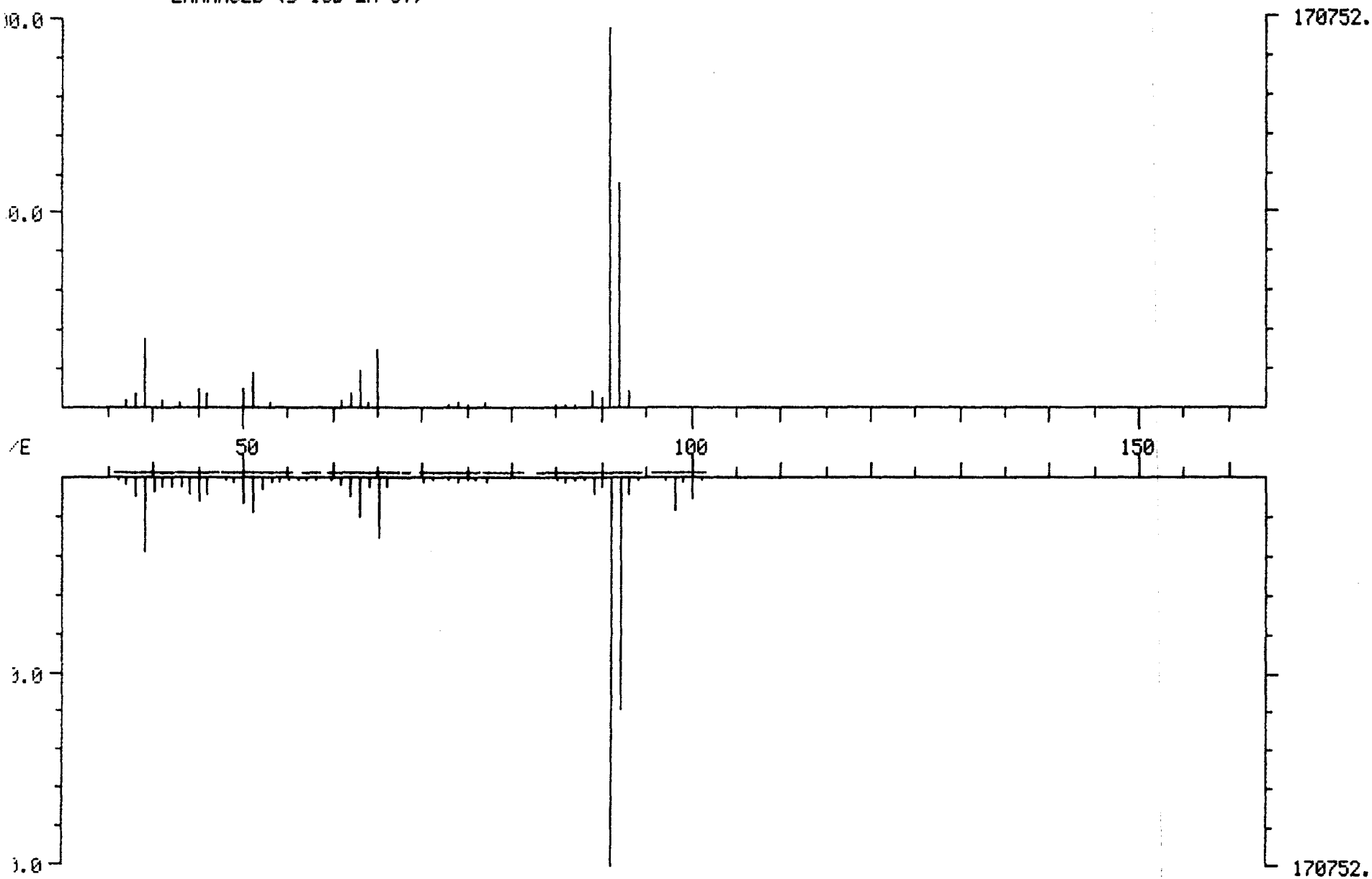
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 24:15
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #710 BASE M/E: 83/ 44
CALI: EPAVOA884 #1 RIC: 5679./ 24255.



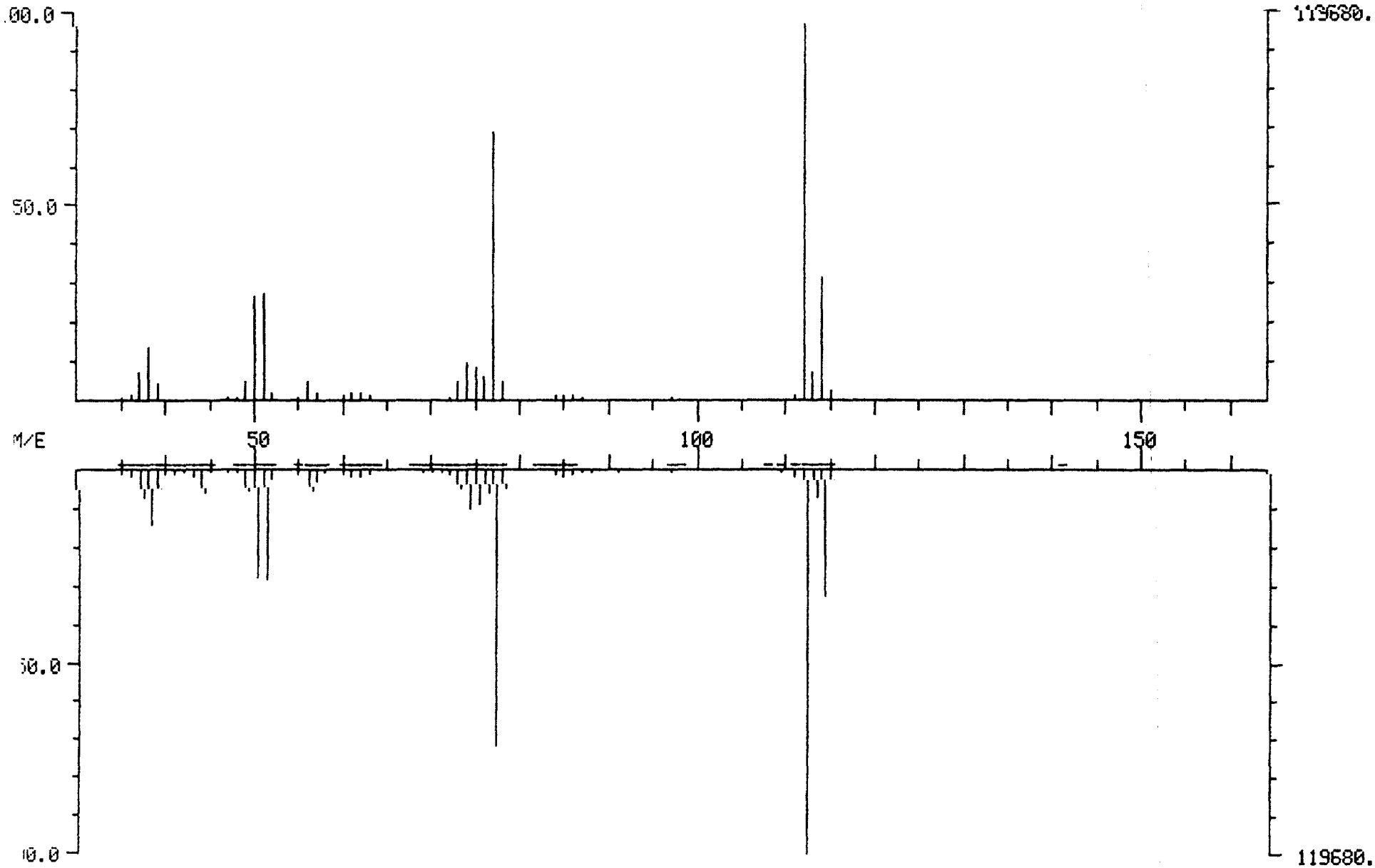
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 25:44
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAV0A884 #753 BASE M/E: 91/ 91
CALI: EPAV0A884 #1 RIC: 428543./ 531455.



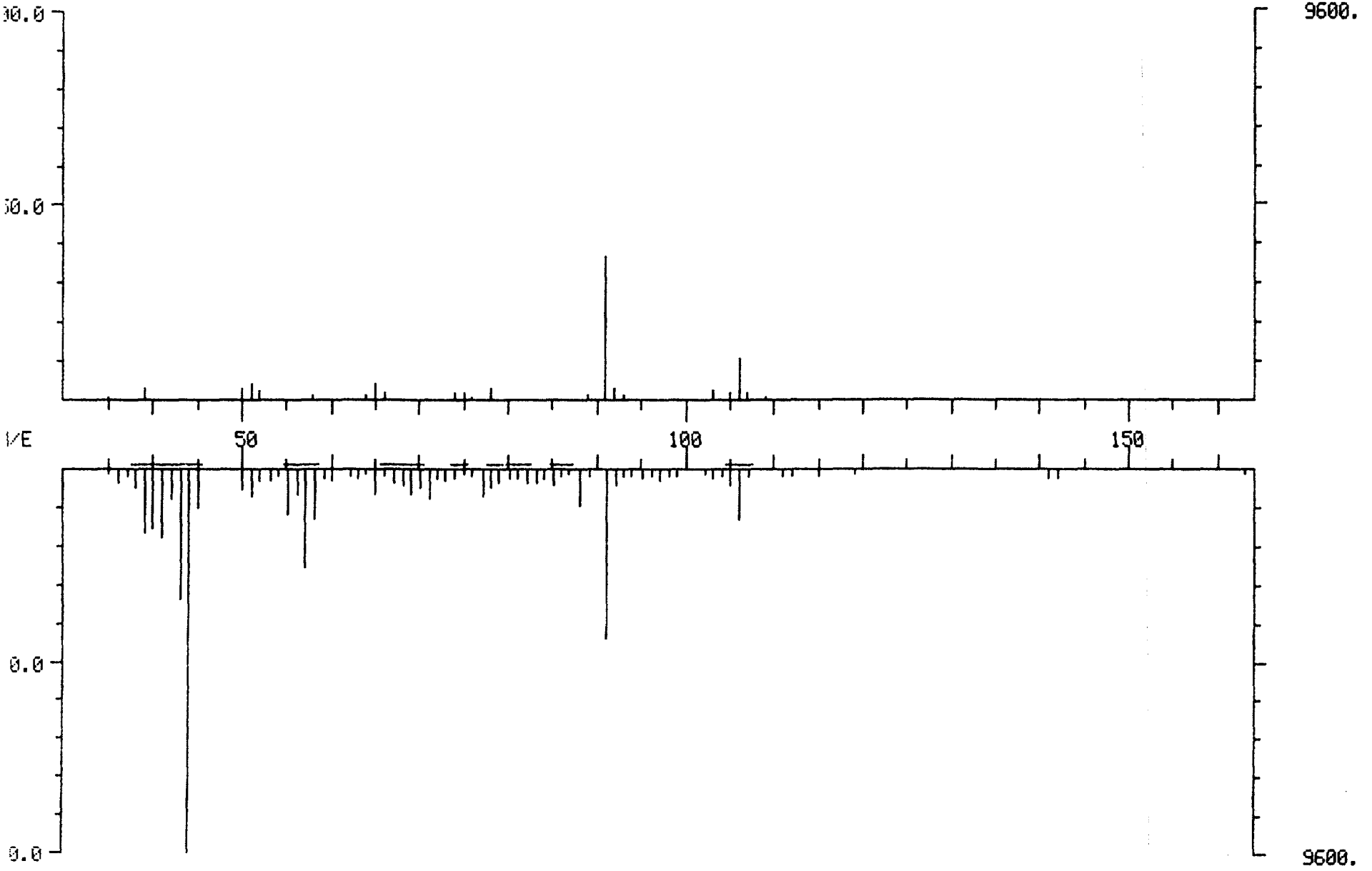
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 26:53
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #787 BASE M/E: 112/ 112
CALI: EPAVOA884 #1 RIC: 416767./ 459775.



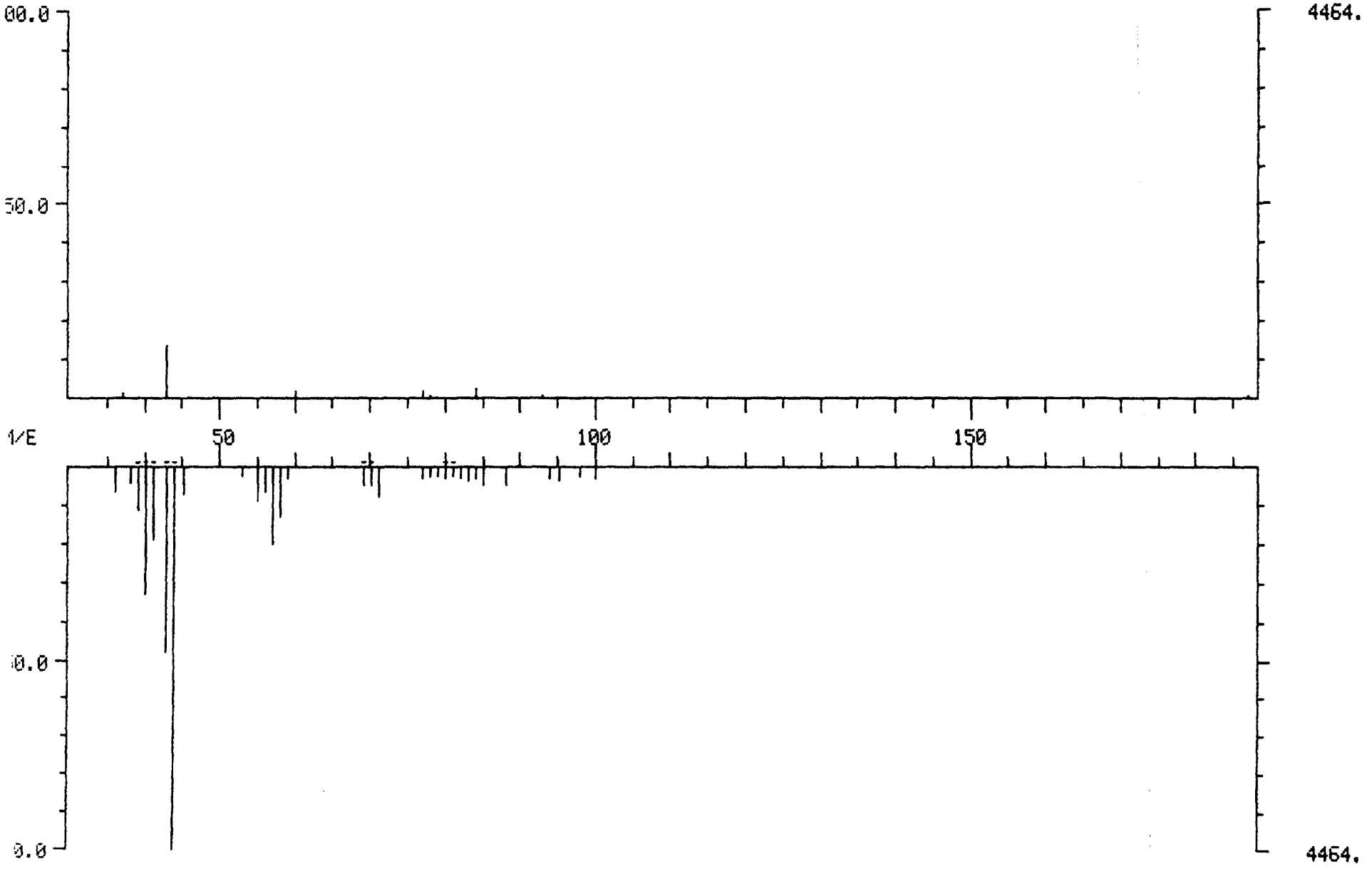
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 28:46
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #842 BASE M/E: 91/ 44
CALI: EPAVOA884 #1 RIC: 8431./ 46975.



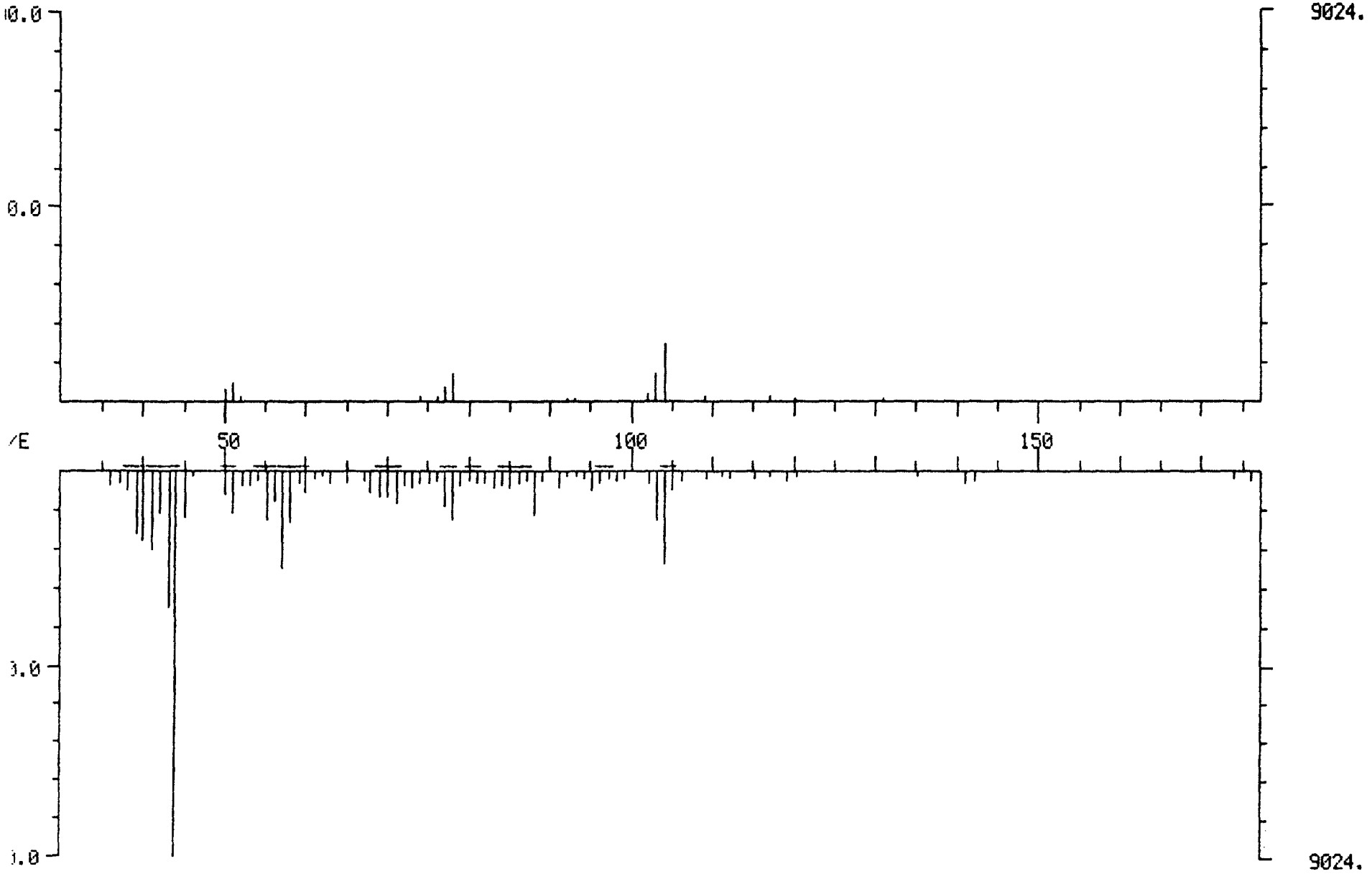
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 23:59
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #702 BASE M/E: 43/ 44
CALI: EPAVOA884 #1 RIC: 1031./ 15407.



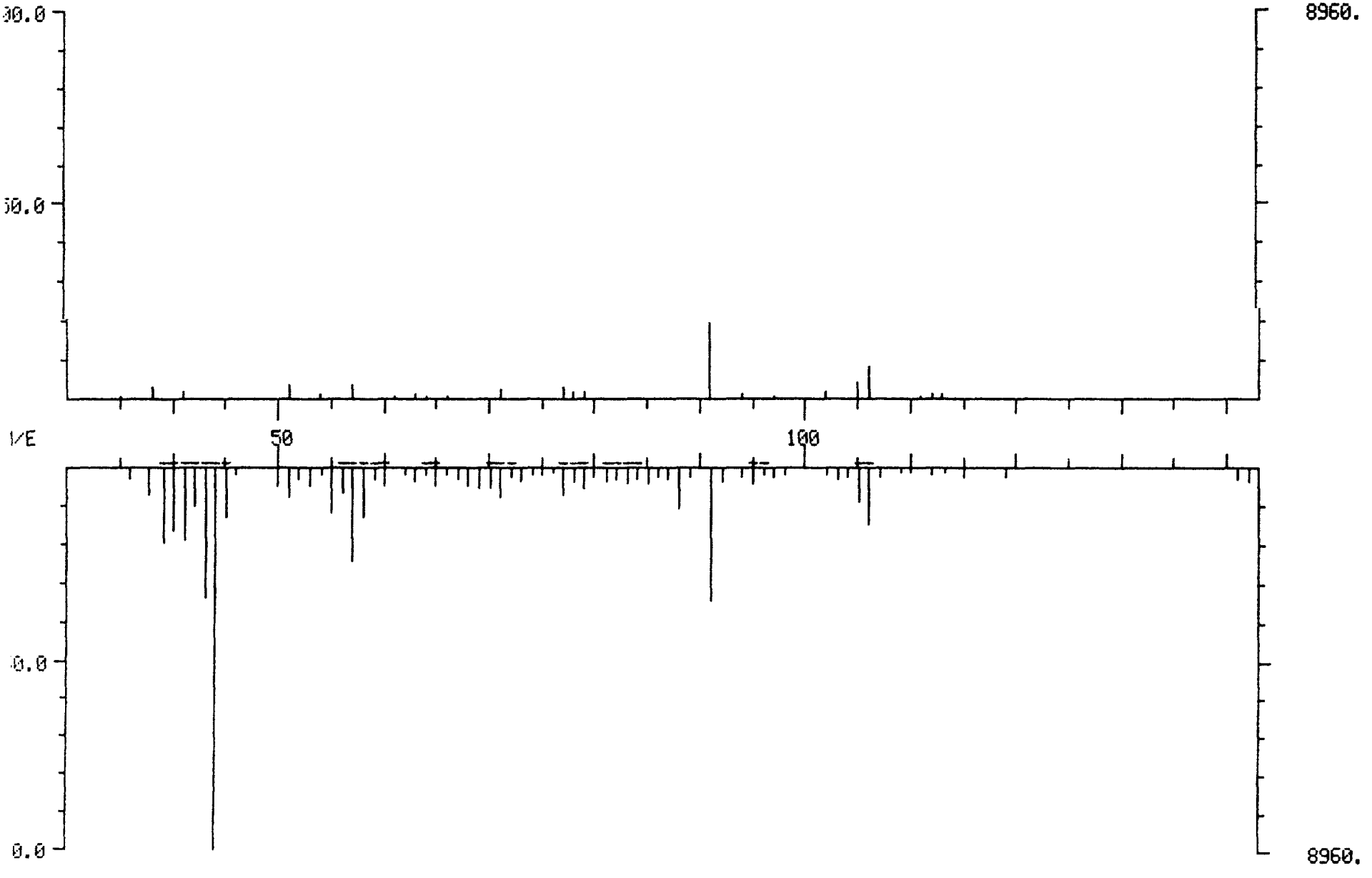
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 32:09
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #941 BASE M/E: 104/ 44
CALI: EPAVOA884 #1 RIC: 4431./ 47295.



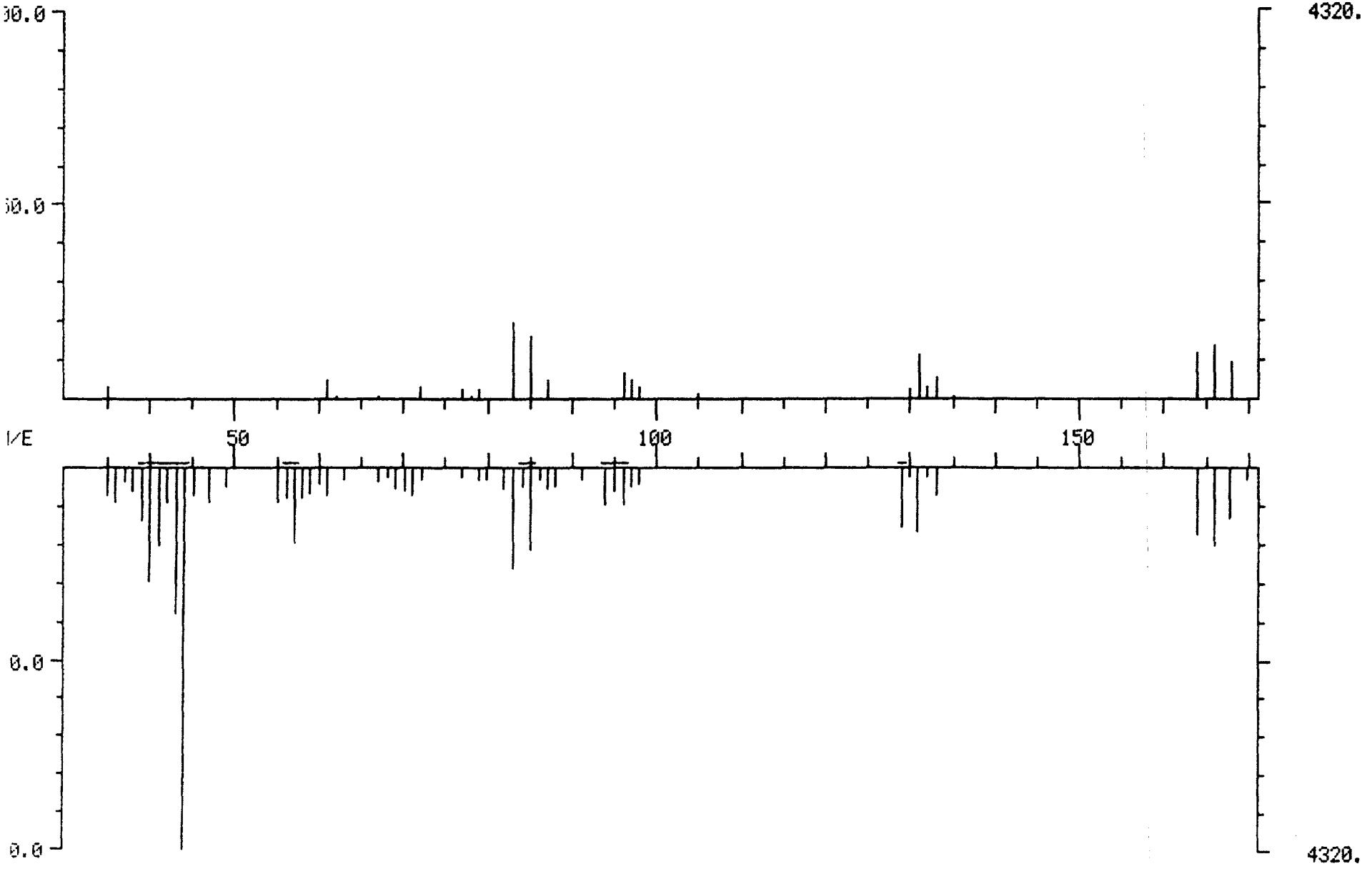
DUAL MASS SPECTRUM
02/26/84 23:28:00 + 33:15
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA884 #973 BASE M/E: 91/ 44
CALI: EPAVOA884 #1 RIC: 5623./ 46143.



DUAL MASS SPECTRUM
02/26/84 23:28:00 + 24:15
SAMPLE: 77056-4 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

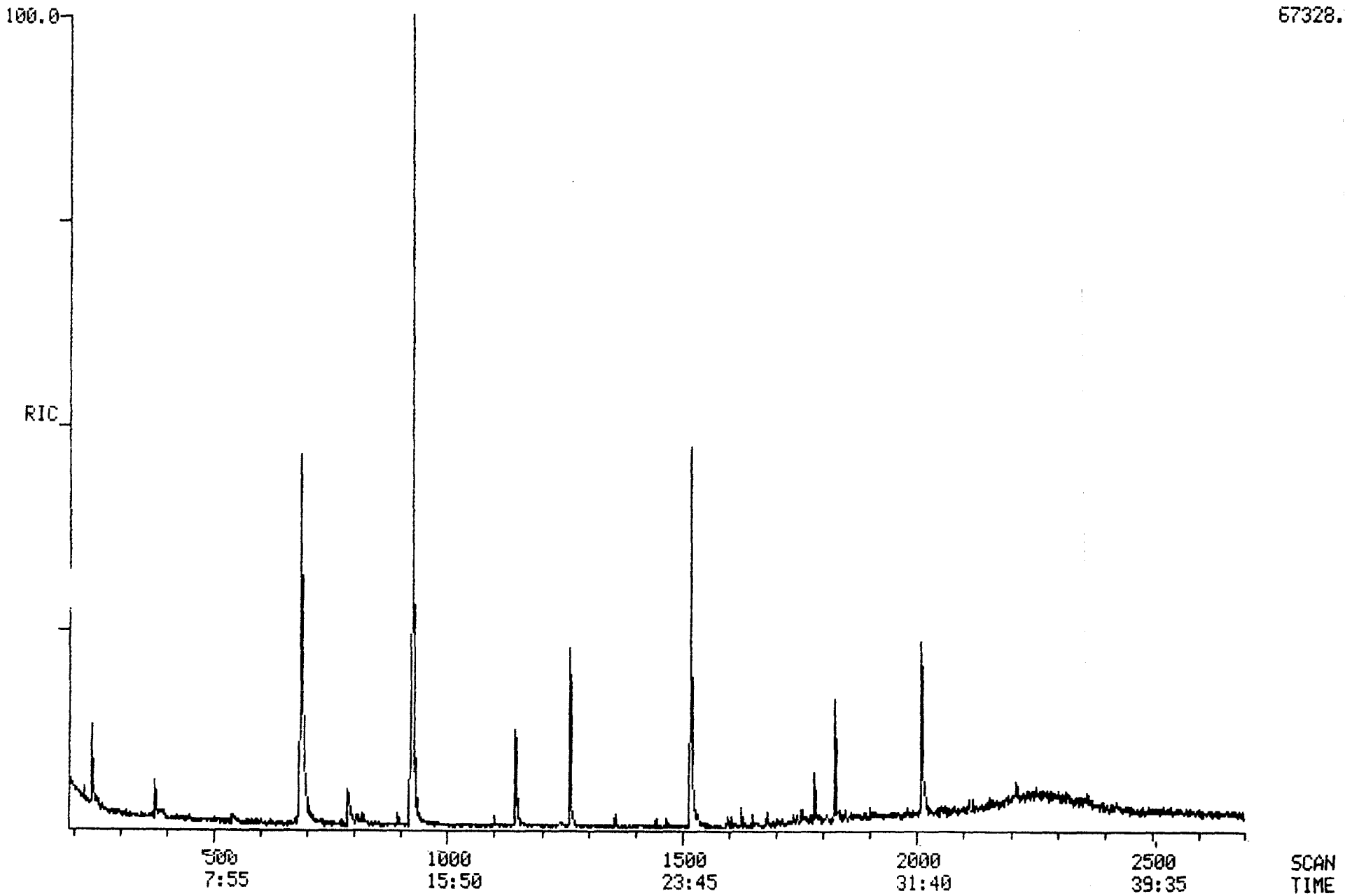
DATA: EPAVOA884 #710 BASE M/E: 83/ 44
CALI: EPAVOA884 #1 RIC: 5679./ 24255.



RIC
03/06/84 13:59:00
SAMPLE: 77056-2MS
CONDS.:
RANGE: G 1,2700 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN707 #1
CALI: EPABN707 #1

SCANS 190 TO 2700



QUANTITATION REPORT FILE: EPABN707

DATA: EPABN707.TI
03/06/84 13:59:00
SAMPLE: 77056-2MS
SUBMITTED BY: EPA ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

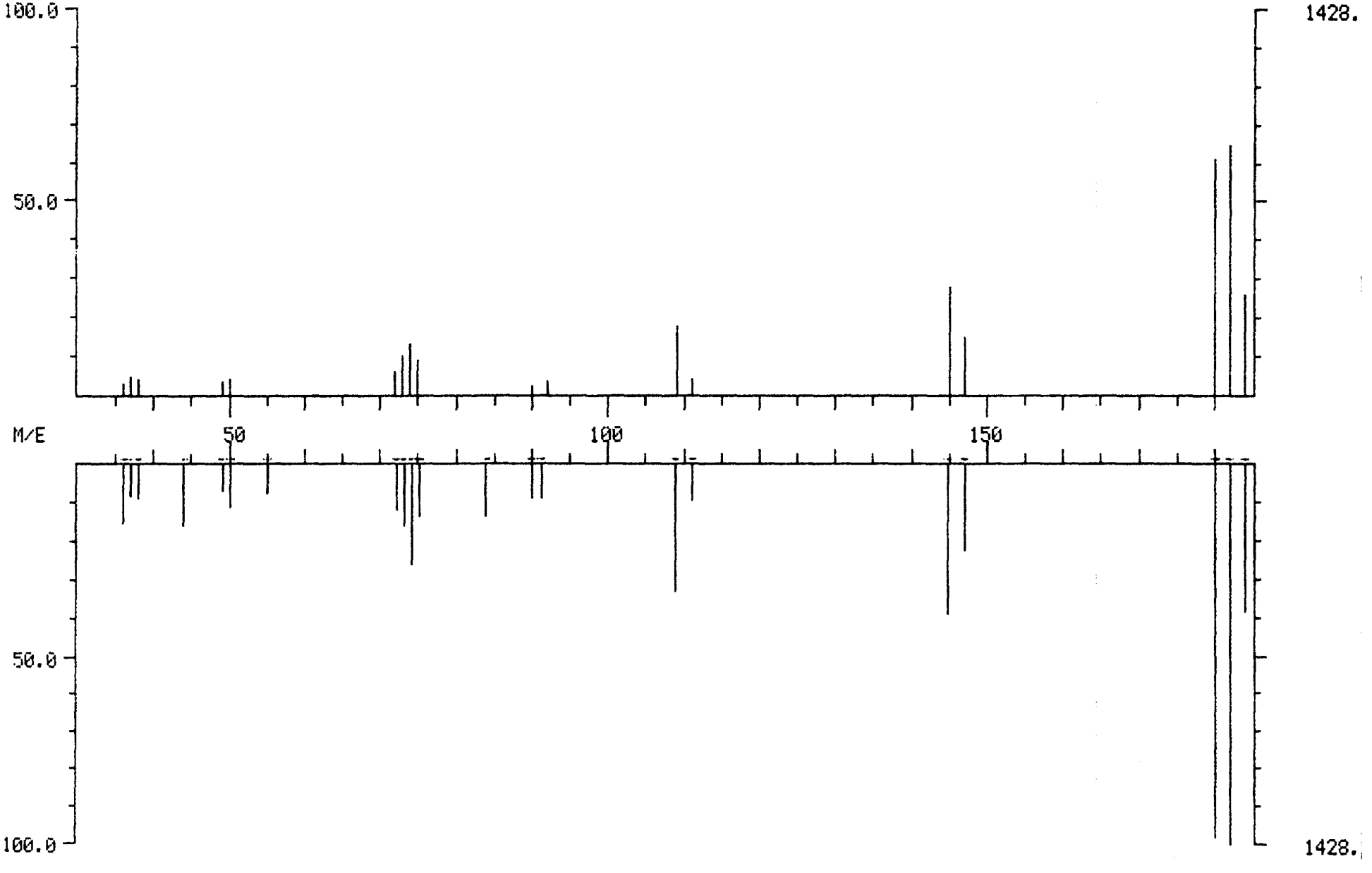
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 686 | 10:52 | 1 | 1.000 | A BV | 26301. | 20.000 UG/ML | 36.42 |
| 2 | 136 | 925 | 14:39 | 2 | 1.000 | A BV | 81929. | 20.000 UG/ML | 36.42 |
| 3 | 188 | 1518 | 24:02 | 3 | 1.000 | A BB | 45830. | 20.000 UG/ML | 36.42 |
| 4 | 240 | 2010 | 31:49 | 4 | 1.000 | A BB | 21555. | 20.000 UG/ML | 36.42 |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | NOT FOUND | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | |
| 10 | 146 | 689 | 10:55 | 1 | 1.004 | A BB | 11318 | -4.339 UG/ML | -7.89 |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | NOT FOUND | | | | | | | | |
| 15 | NOT FOUND | | | | | | | | |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | 70 | 787 | 12:28 | 2 | 0.851 | A BB | 4896. | -5.821 UG/ML | *-10. |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | 180 | 920 | 14:34 | 2 | 0.995 | A BB | 6476. | 3.638 UG/ML | 6.62 |
| 26 | 128 | 932 | 14:45 | 2 | 1.008 | A BB | 270. | 19.497 UG/ML | * 35. |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | NOT FOUND | | | | | | | | |
| 36 | 82 | 810 | 12:49 | 2 | 0.876 | A BB | 1651. | 1.625 UG/ML | 2.96 |
| 37 | 172 | 1146 | 18:09 | 2 | 1.239 | A BV | 15489. | 1.279 UG/ML | 2.33 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| 40 | NOT FOUND | | | | | | | | |
| 41 | NOT FOUND | | | | | | | | |
| 42 | 153 | 1261 | 19:58 | 3 | 0.831 | A BB | 11073. | -4.142 UG/ML | -7.53 |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | NOT FOUND | | | | | | | | |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | NOT FOUND | | | | | | | | |
| 50 | NOT FOUND | | | | | | | | |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | NOT FOUND | | | | | | | | |
| 55 | 178 | 1524 | 24:08 | 3 | 1.004 | A BB | 343. | -1.969 UG/ML | -3.58 |
| 56 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| ~~57~~ | ~~149~~ | ~~1663~~ | ~~26:20~~ | ~~3~~ | ~~1.096~~ | ~~A BB~~ | ~~256.~~ | ~~-7.315 UG/ML~~ | ~~*-13.~~ |
| 58 | 202 | 1746 | 27:39 | 3 | 1.150 | A BB | 539. | 2.017 UG/ML | 3.67 |
| 59 | NOT FOUND | | | | | | | | |
| 60 | NOT FOUND | | | | | | | | |
| 61 | NOT FOUND | | | | | | | | |
| 62 | NOT FOUND | | | | | | | | |
| 63 | NOT FOUND | | | | | | | | |
| 64 | NOT FOUND | | | | | | | | |
| 65 | NOT FOUND | | | | | | | | |
| 66 | 202 | 1782 | 28:13 | 4 | 0.887 | A BB | 7502. | 1.011 UG/ML | 1.84 |
| 67 | NOT FOUND | | | | | | | | |
| 68 | 228 | 2008 | 31:48 | 4 | 0.999 | A BB | 521. | 0.716 UG/ML | 1.30 |
| 69 | NOT FOUND | | | | | | | | |
| ~~70~~ | ~~228~~ | ~~2016~~ | ~~31:55~~ | ~~4~~ | ~~1.003~~ | ~~A BB~~ | ~~581.~~ | ~~-9.907 UG/ML~~ | ~~*-18.~~ |
| 71 | 149 | 2054 | 32:31 | 4 | 1.022 | A BB | 233. | 4.111 UG/ML | 7.49 |
| 72 | 244 | 1826 | 28:55 | 4 | 0.908 | A BB | 13553. | 12.767 UG/ML | 23.25 |
| 73 | NOT FOUND | | | | | | | | |
| 74 | 149 | 2163 | 34:15 | 4 | 1.076 | A BB | 225. | 1.173 UG/ML | 2.14 |
| 75 | NOT FOUND | | | | | | | | |
| 76 | NOT FOUND | | | | | | | | |
| 77 | NOT FOUND | | | | | | | | |
| 78 | NOT FOUND | | | | | | | | |
| 79 | NOT FOUND | | | | | | | | |
| 80 | NOT FOUND | | | | | | | | |

DUAL MASS SPECTRUM
03/06/84 13:59:00 + 14:34
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

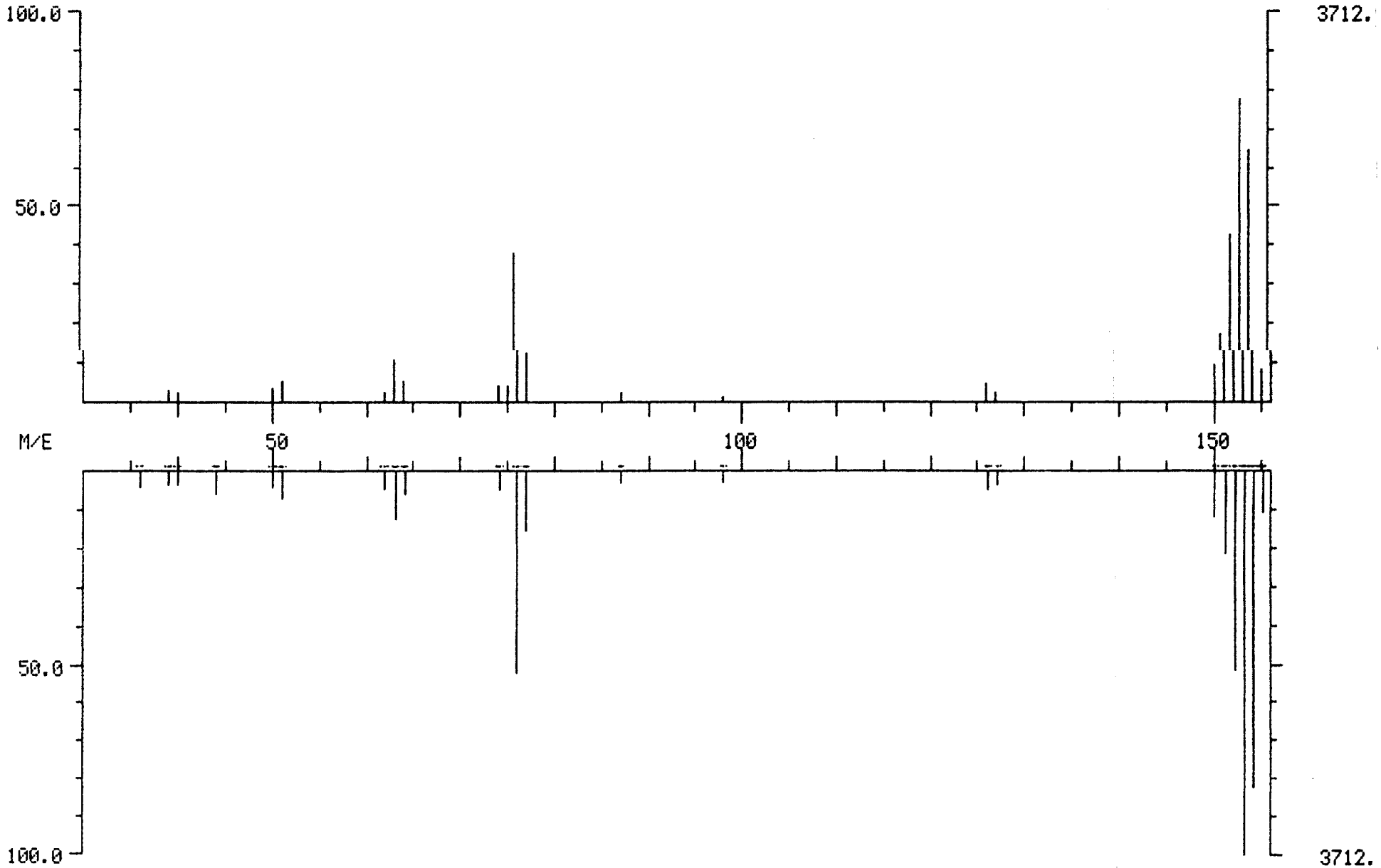
DATA: EPABN707 #920 BASE M/E: 182/ 182
CALI: EPABN707 #1 RIC: 3999./ 7359.



DUAL MASS SPECTRUM
03/06/84 13:59:00 + 19:58
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

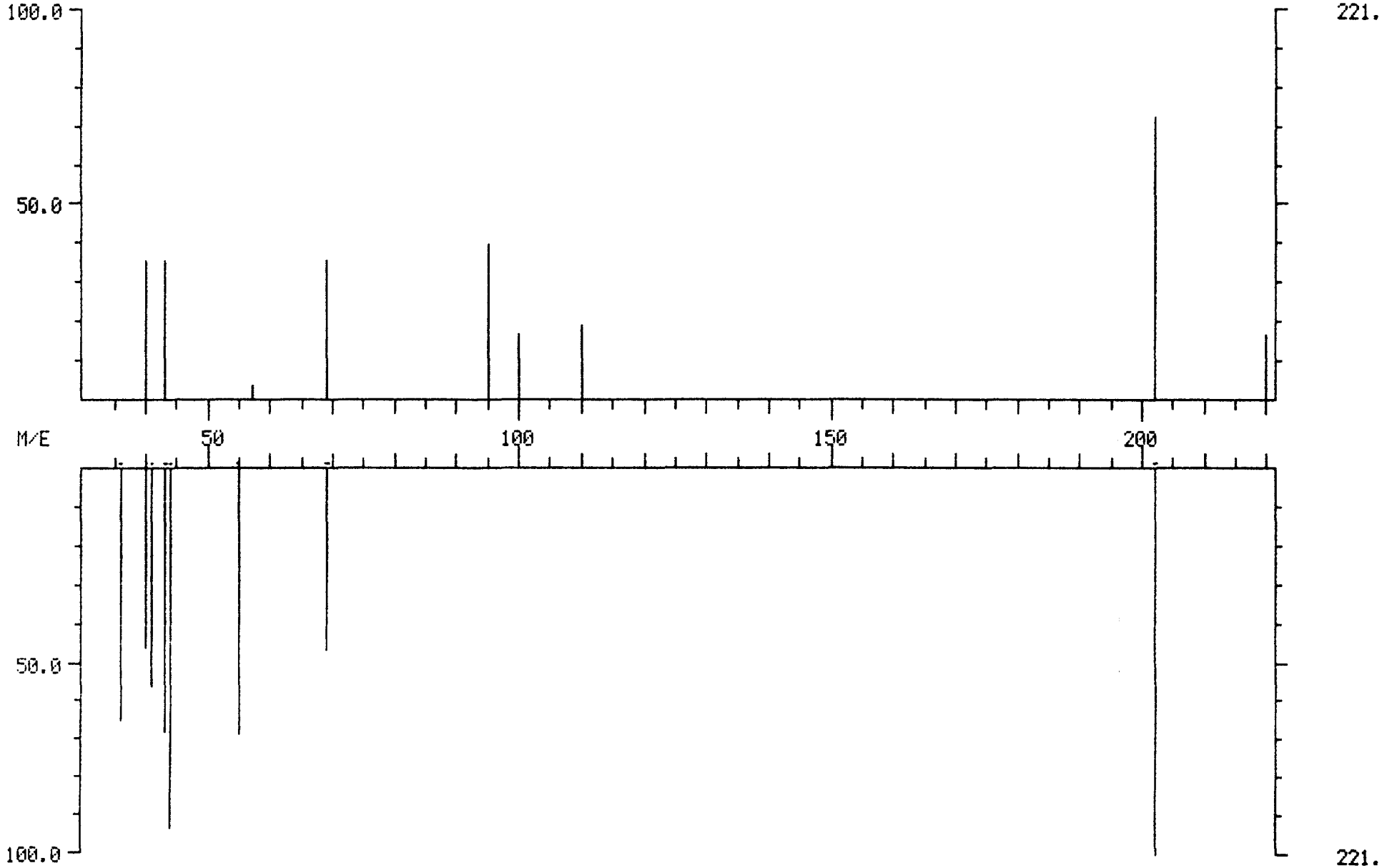
DATA: EPABN707 #1261
CALI: EPABN707 #1

BASE M/E: 153/ 153
RIC: 11951./ 15439.



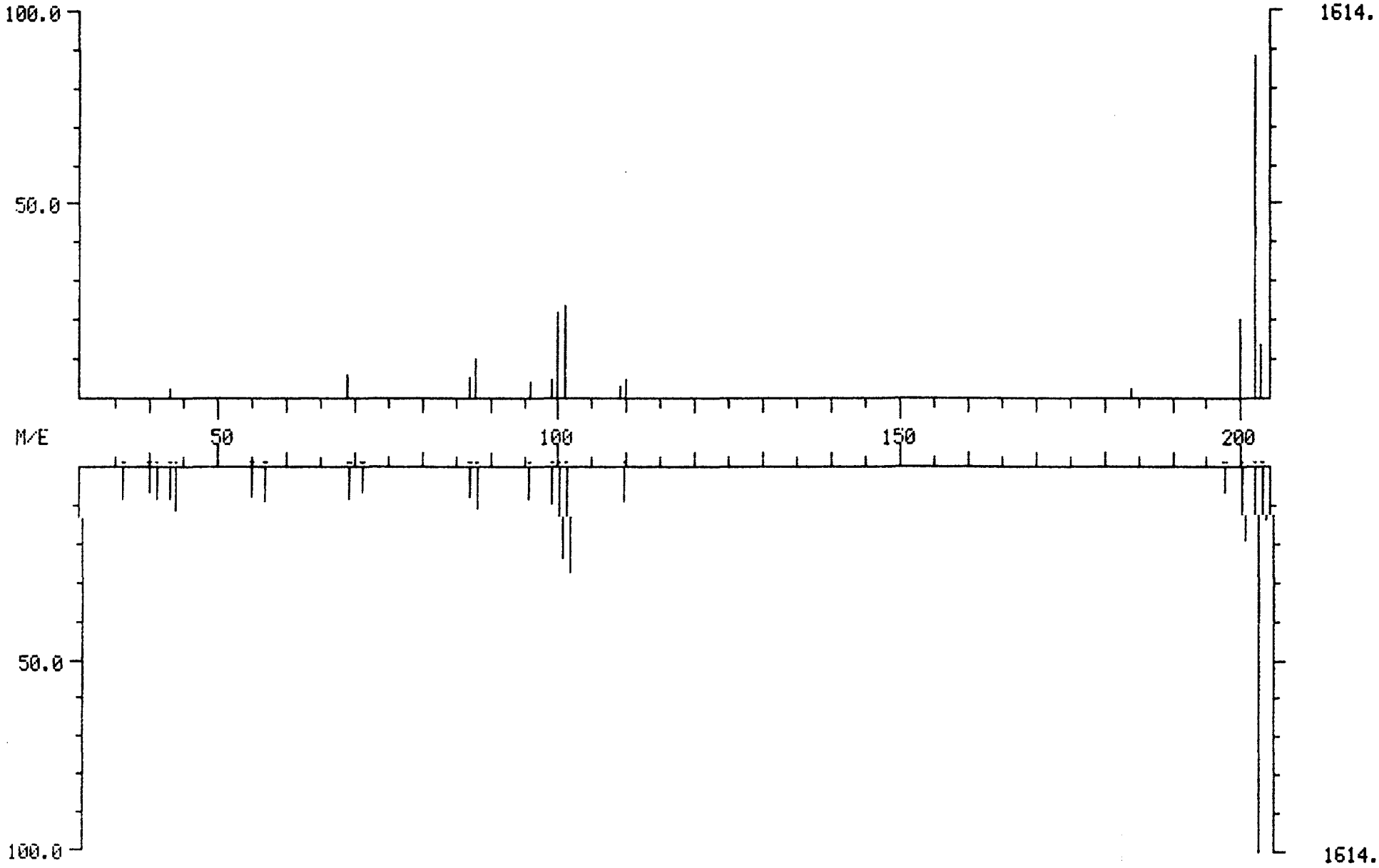
DUAL MASS SPECTRUM
03/06/84 13:59:00 + 27:39
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN707 #1746 BASE M/E: 202/ 202
CALI: EPABN707 #1 RIC: 606./ 1203.



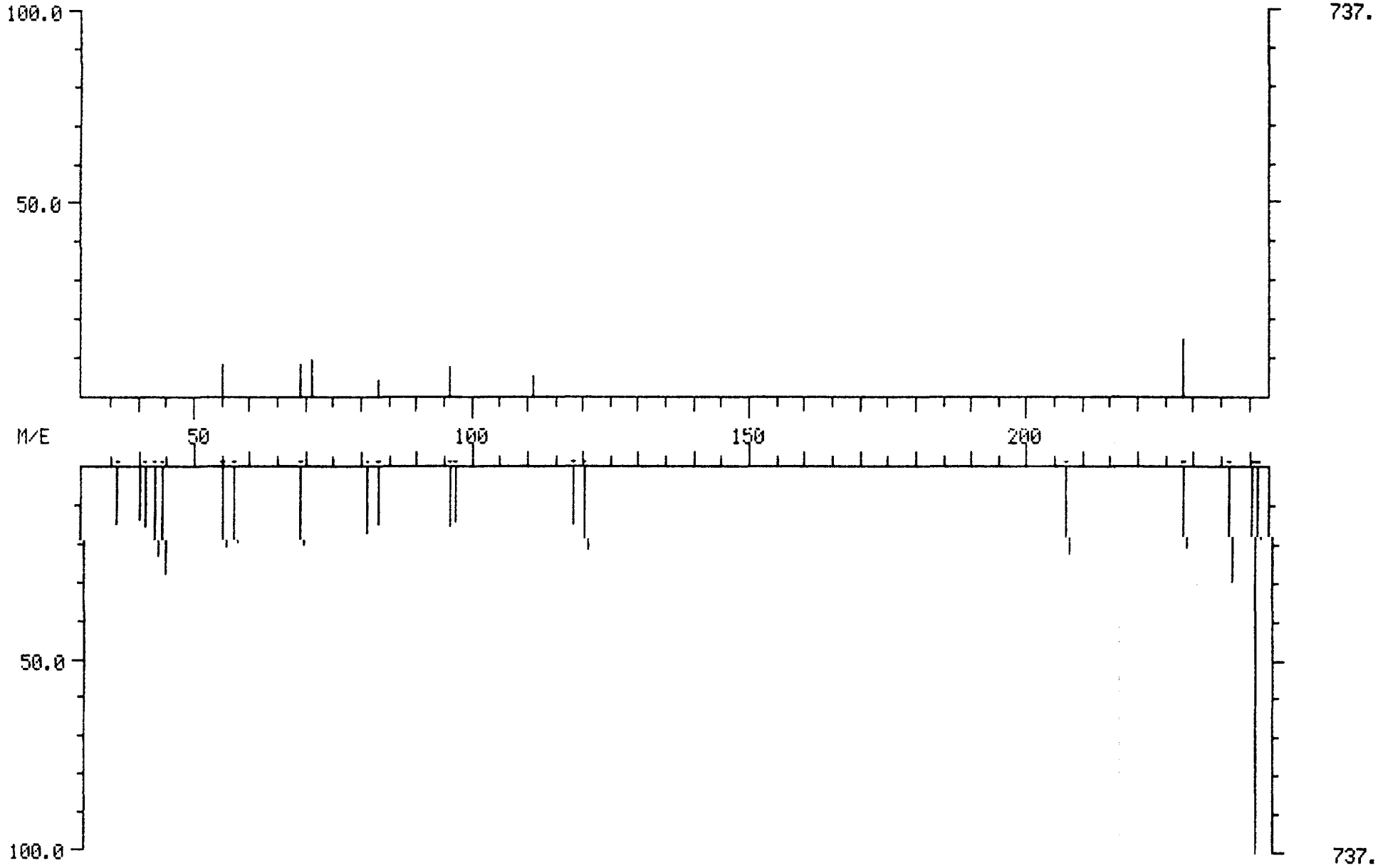
DUAL MASS SPECTRUM
03/06/84 13:59:00 + 28:13
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN707 #1782 BASE M/E: 202/ 202
CALI: EPABN707 #1 RIC: 3387./ 4991.



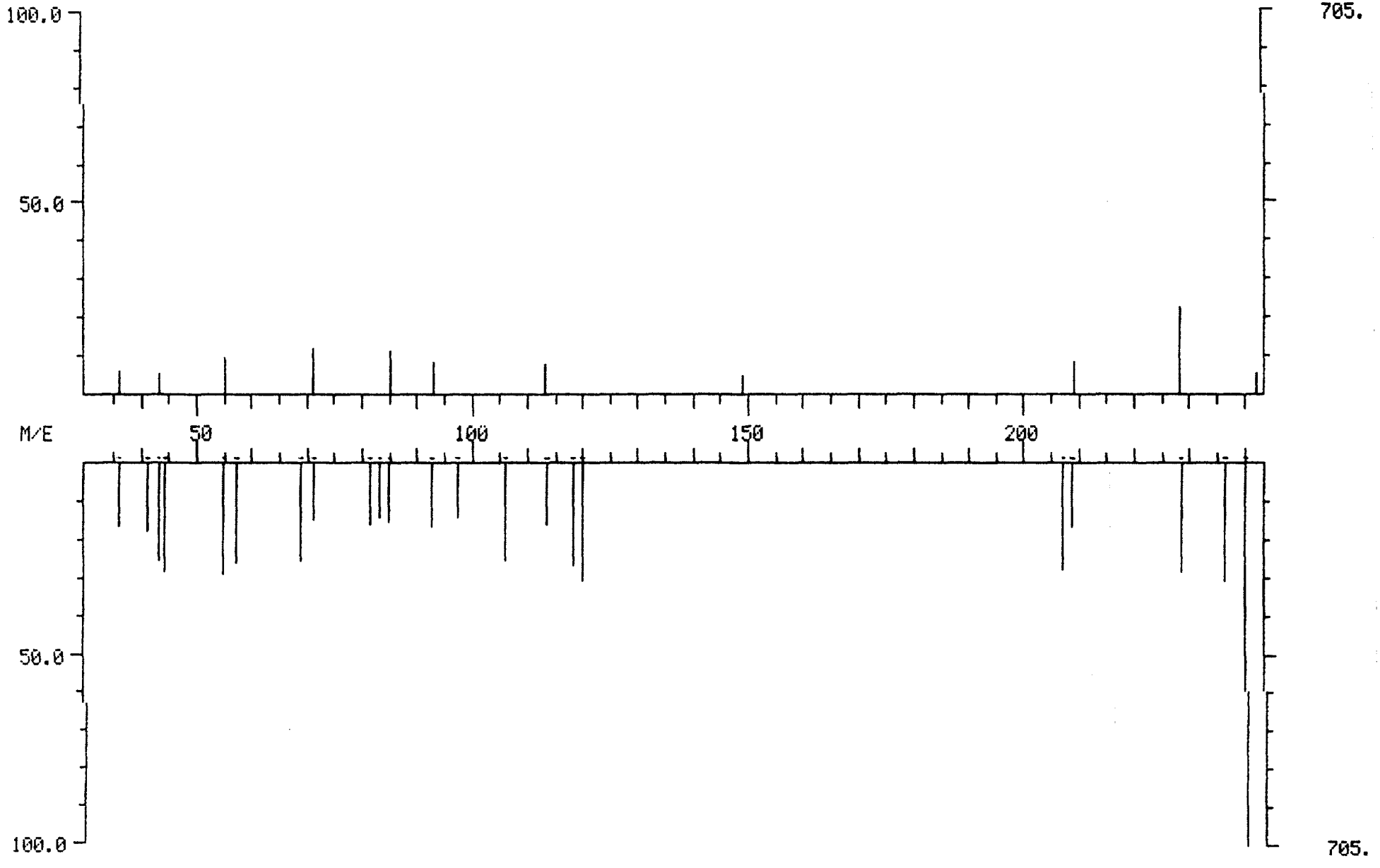
DUAL MASS SPECTRUM
03/06/84 13:59:00 + 31:48
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN707 #2008 BASE M/E: 228/ 240
CALI: EPABN707 #1 RIC: 431./ 3275.



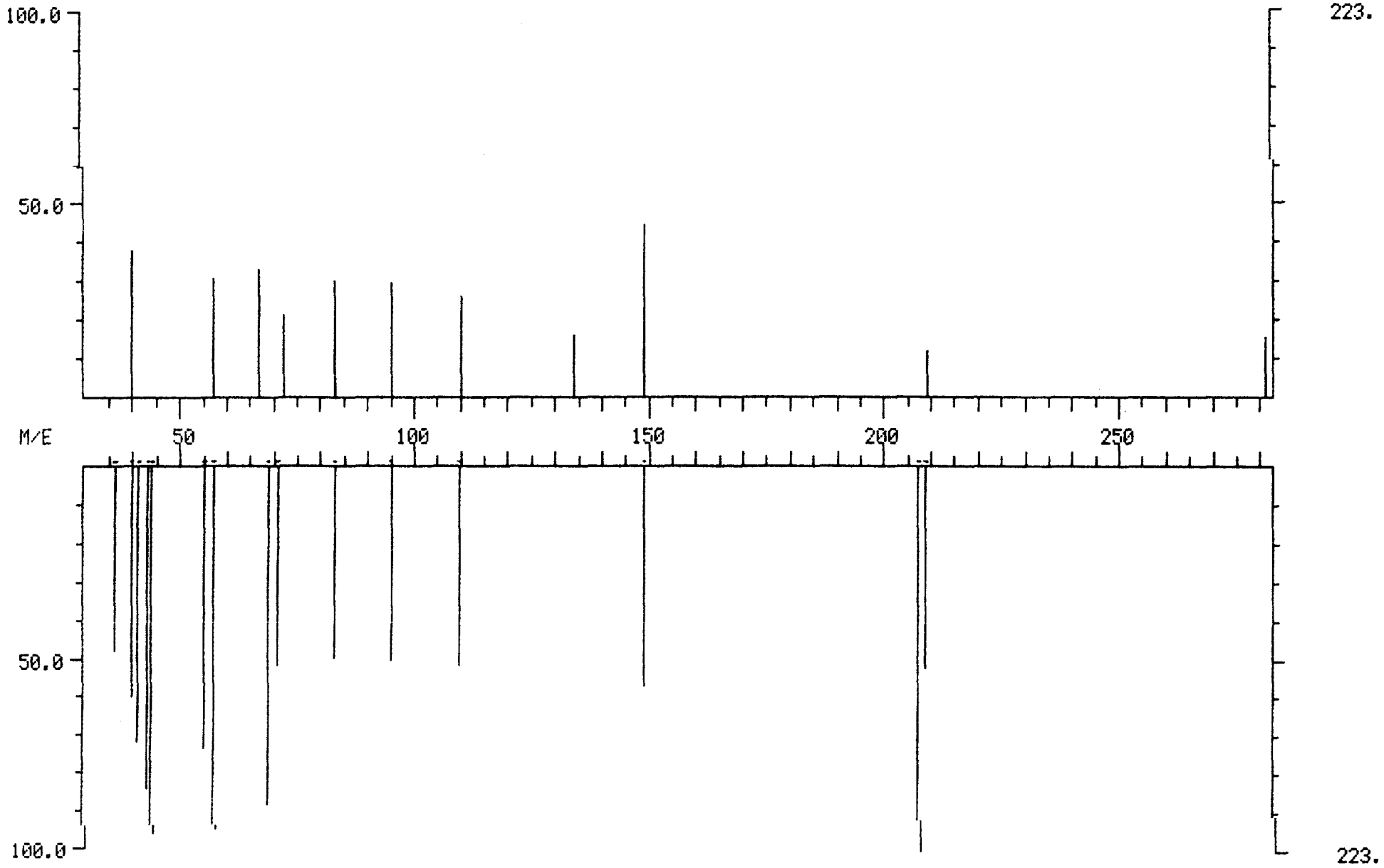
DUAL MASS SPECTRUM
03/06/84 13:59:00 + 31:55
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN707 #2016 BASE M/E: 228/ 240
CALI: EPABN707 #1 RIC: 705./ 3971.



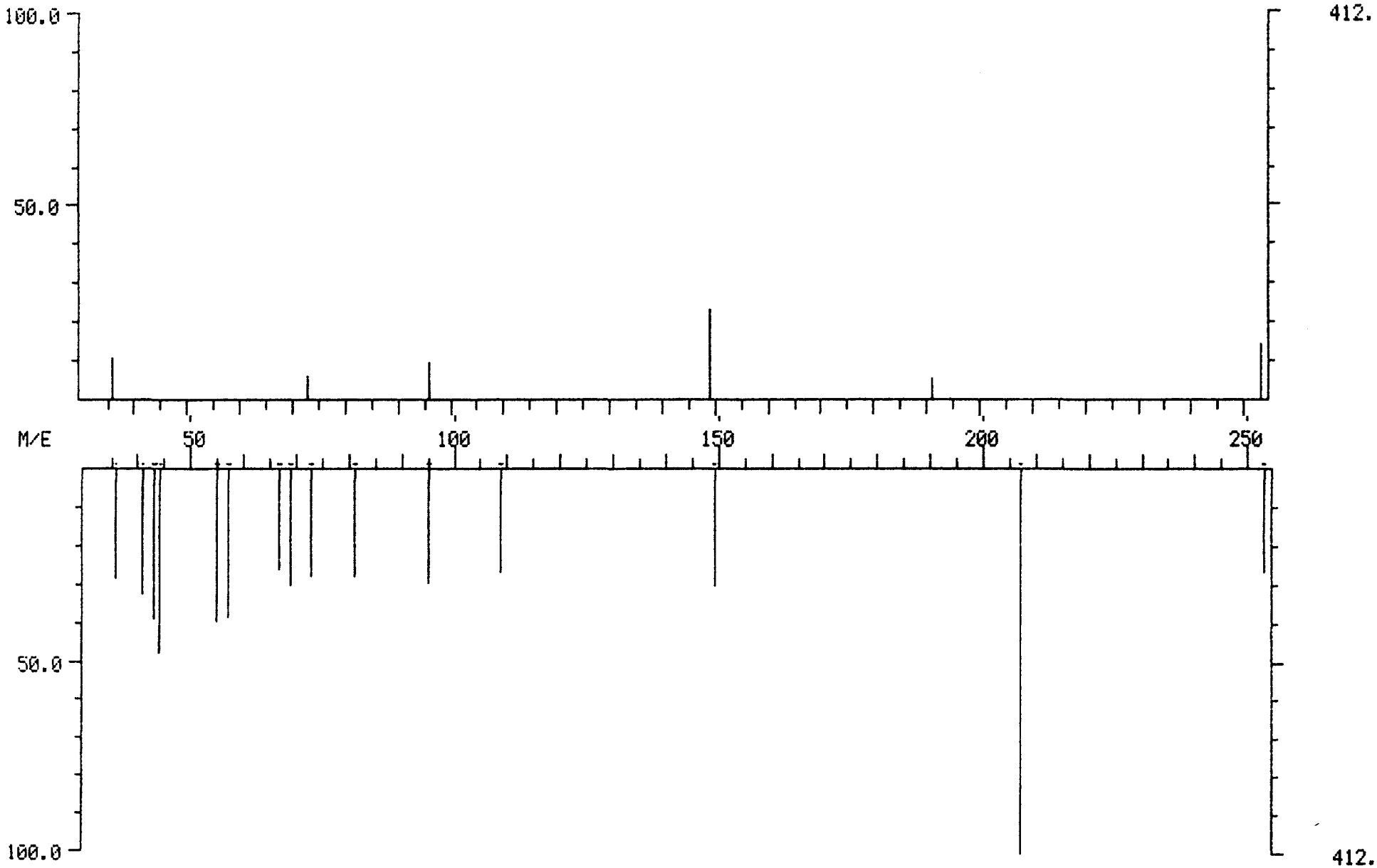
DUAL MASS SPECTRUM
03/06/84 13:59:00 + 32:31
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

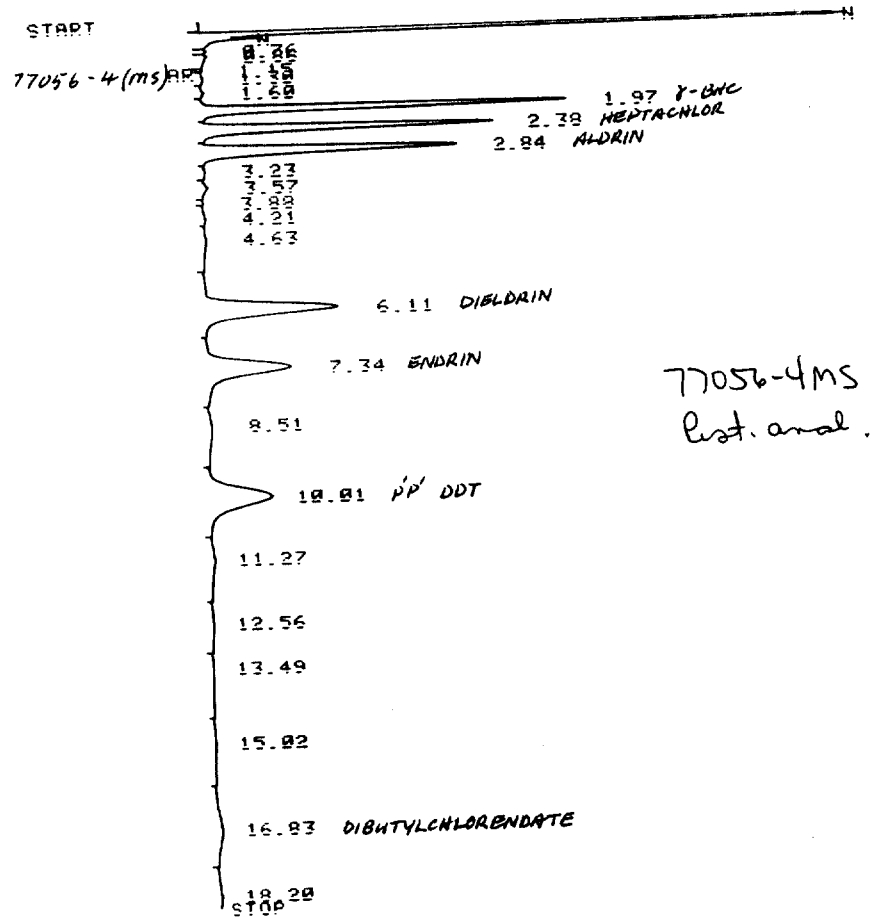
DATA: EPABN707 #2054 BASE M/E: 149/ 207
CALI: EPABN707 #1 RIC: 659./ 2295.



DUAL MASS SPECTRUM
03/06/84 13:59:00 + 34:15
SAMPLE: 77056-2MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN707 #2163 BASE M/E: 149/ 207
CALI: EPABN707 #1 R.I.C.: 283./ 2279.






77056-4MS
Pest. anal.

HP RUN # 409
BOTTLE 33
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.30 | 15690 | 0.306 |
| 1.60 | 15590 | 0.304 |
| 1.97 | 859800 | 16.790 |
| 2.38 | 820400 | 16.021 |
| 2.84 | 819000 | 15.993 |
| 3.23 | 18080 | 0.353 |
| 3.57 | 26350 | 0.515 |
| 3.88 | 2560 | 0.050 |
| 4.21 | 21050 | 0.411 |
| 4.63 | 41420 | 0.809 |
| 6.11 | 846200 | 16.525 |
| 7.34 | 663000 | 12.947 |
| 8.51 | 86380 | 1.687 |
| 10.01 | 658000 | 12.849 |
| 11.27 | 80040 | 1.563 |
| 12.56 | 31240 | 0.610 |
| 13.49 | 16010 | 0.313 |
| 15.02 | 16250 | 0.317 |
| 16.83 | 71640 | 1.399 |
| 18.20 | 12190 | 0.238 |

DIL FACTOR: 1.0000 E+ 0

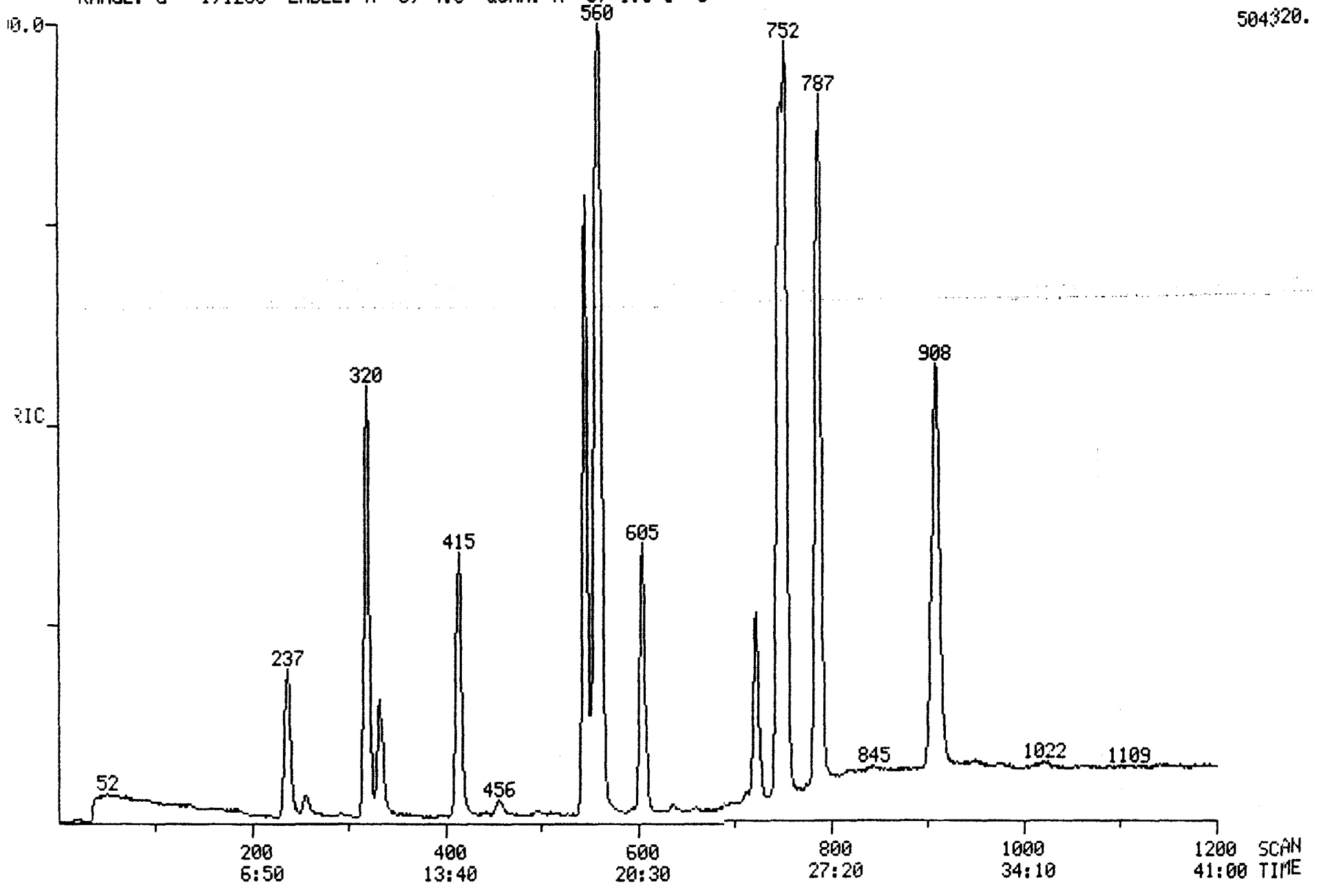
| | | | |
|---|---|---|---|
| ATTN 2↑ | 11 | | |
| A | 60.0 | 59.9 | |
| TEMP1 | 400 | 210 | 210 |

004

RIC
02/27/84 0:19:00
SAMPLE: 77056-4 DMS
CONDS.:
RANGE: G 1,1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAVOA885 #1
CALI: EPAVOA885 #1

SCANS 1 TO 1200



DATA: EPAVOA885.TI
02/27/84 0:19:00
SAMPLE: 77056-4 DMS
SUBMITTED BY: EPA ANALYST:

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

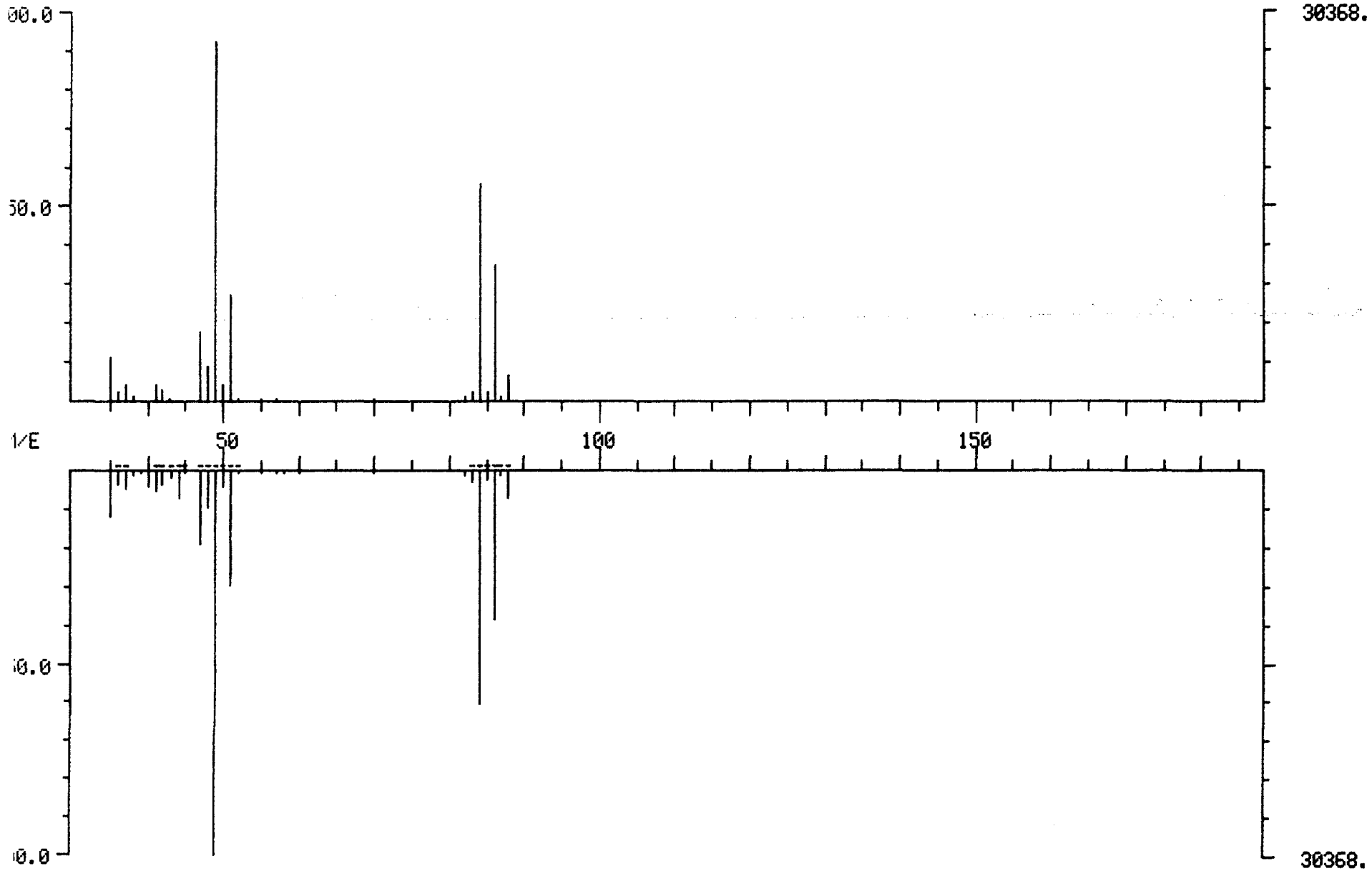
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 333 | 11:23 | 1 | 1.000 | A BB | 69080. | 50.000 | UG/L | 4.26 |
| 2 | 77 | 605 | 20:40 | 2 | 1.000 | A BB | 258710. | 50.000 | UG/L | 4.26 |
| 3 | 55 | 723 | 24:42 | 3 | 1.000 | A BB | 262211. | 50.000 | UG/L | 4.26 |
| 4 | NOT FOUND | | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | | |
| 8 | 84 | 237 | 8:06 | 1 | 0.712 | A BB | 122175. | 30.972 | UG/L | 2.64 |
| 9 | 56 | 258 | 8:49 | 1 | 0.775 | A BV | 1815. | 10.882 | UG/L | 0.93 |
| 10 | NOT FOUND | | | | | | | | | |
| 11 | 61 | 320 | 10:56 | 1 | 0.961 | A BB | 554320. | 126.262 | UG/L | 10.75 |
| 12 | 63 | 358 | 12:14 | 1 | 1.075 | A BB | 363. | 0.065 | UG/L | 0.01 |
| 13 | NOT FOUND | | | | | | | | | |
| 14 | 83 | 396 | 13:32 | 1 | 1.189 | A BB | 2200. | 0.404 | UG/L | 0.03 |
| 15 | 62 | 417 | 14:15 | 1 | 1.252 | A BB | 402. | 0.107 | UG/L | 0.01 |
| 16 | 97 | 457 | 15:37 | 1 | 1.372 | A BB | 1004. | 0.296 | UG/L | 0.03 |
| 17 | 58 | 255 | 8:43 | 1 | 0.766 | A BB | 8739. | 8.539 | UG/L | 0.73 |
| 18 | 76 | 287 | 9:48 | 1 | 0.862 | A BB | 295. | 0.050 | UG/L | 0.00 |
| 19 | NOT FOUND | | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | | |
| 23 | 95 | 546 | 18:39 | 2 | 0.902 | A BB | 398428. | 102.984 | UG/L | 8.77 |
| 24 | 78 | 561 | 19:10 | 2 | 0.927 | A BB | 988255. | 115.808 | UG/L | 9.86 |
| 25 | 129 | 566 | 19:20 | 2 | 0.936 | A BB | 218. | 0.063 | UG/L | 0.01 |
| 26 | 83 | 570 | 19:28 | 2 | 0.942 | A BB | 327. | 0.136 | UG/L | 0.01 |
| 27 | NOT FOUND | | | | | | | | | |
| 28 | 63 | 605 | 20:40 | 2 | 1.000 | A BB | 3924. | 2.417 | UG/L | 0.21 |
| 29 | NOT FOUND | | | | | | | | | |
| 30 | 72 | 414 | 14:09 | 2 | 0.684 | A BB | 5294. | 8.165 | UG/L | 0.70 |
| 31 | NOT FOUND | | | | | | | | | |
| 32 | 43 | 660 | 22:33 | 2 | 1.091 | A BB | 6161. | 1.878 | UG/L | 0.16 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 33 | 65 | 414 | 14:09 | 2 | 0.684 | A BB | 320281. | 104.152 | UG/L | 8.87 |
| 34 | 84 | 557 | 19:02 | 2 | 0.921 | A VB | 960559. | 109.908 | UG/L | 9.36 |
| 35 | NOT | FOUND | | | | | | | | |
| 36 | NOT | FOUND | | | | | | | | |
| 37 | NOT | FOUND | | | | | | | | |
| 38 | 166 | 713 | 24:22 | 3 | 0.986 | A BB | 4529. | 1.098 | UG/L | 0.09 |
| 39 | 83 | 712 | 24:20 | 3 | 0.985 | A BV | 2538. | 0.989 | UG/L | 0.08 |
| 40 | 91 | 752 | 25:42 | 3 | 1.040 | A BB | 982296. | 100.638 | UG/L | 8.57 |
| 41 | 112 | 787 | 26:53 | 3 | 1.089 | A BB | 783851. | 104.047 | UG/L | 8.86 |
| 42 | 91 | 845 | 28:52 | 3 | 1.169 | A BB | 5050. | 0.480 | UG/L | 0.04 |
| 43 | 43 | 705 | 24:05 | 3 | 0.975 | A*BV | 1869. | 0.892 | UG/L | 0.08 |
| 44 | 104 | 940 | 32:07 | 3 | 1.300 | A*BV | 5596. | 0.914 | UG/L | 0.08 |
| 45 | 106 | 974 | 33:17 | 3 | 1.347 | A BV | 2994. | 0.815 | UG/L | 0.07 |
| 46 | 98 | 747 | 25:31 | 3 | 1.033 | A BB | 804274. | 95.980 | UG/L | 8.17 |
| 47 | NOT | FOUND | | | | | | | | |
| 48 | NOT | FOUND | | | | | | | | |
| 49 | 83 | 712 | 24:20 | 3 | 0.985 | A BV | 2538. | 0.989 | UG/L | 0.08 |
| 50 | 95 | 908 | 31:01 | 3 | 1.256 | A BB | 519898. | 94.203 | UG/L | 8.02 |

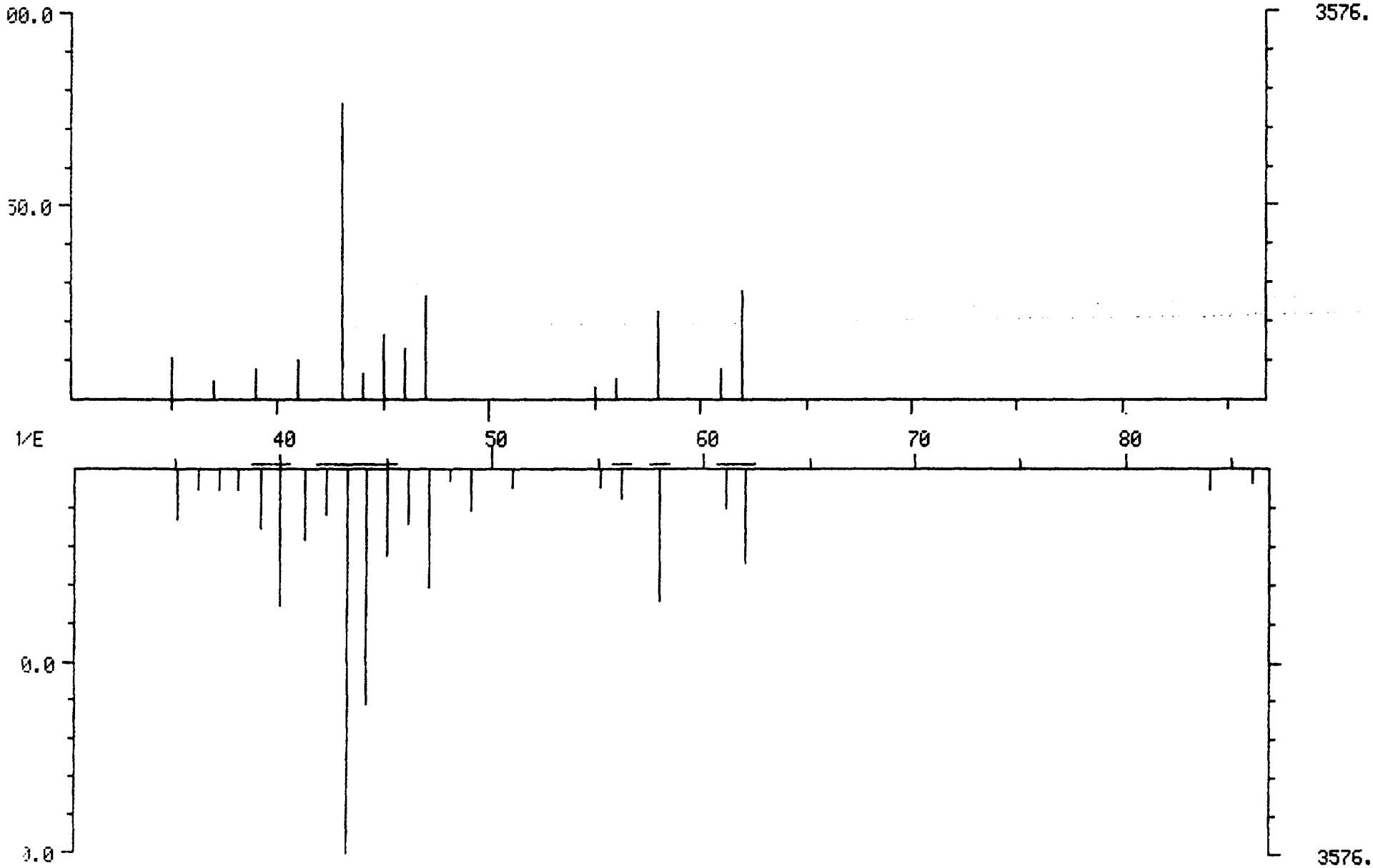
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 8:06
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #237 BASE M/E: 49/ 49
CALI: EPAVOA885 #1 RIC: 86143./ 98047.



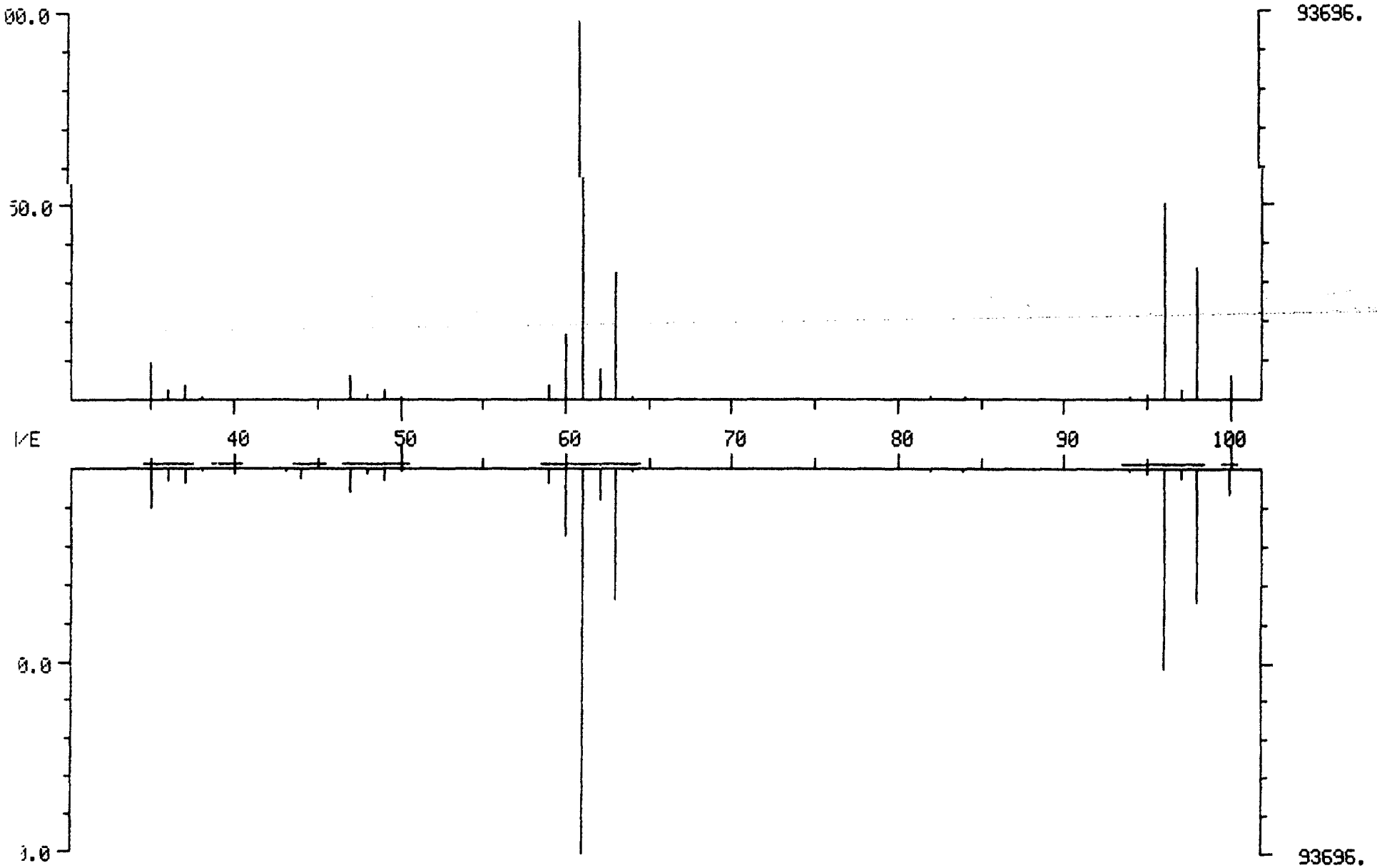
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 8:49
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #258 BASE M/E: 43/ 43
CALI: EPAVOA885 #1 RIC: 8543./ 15983.



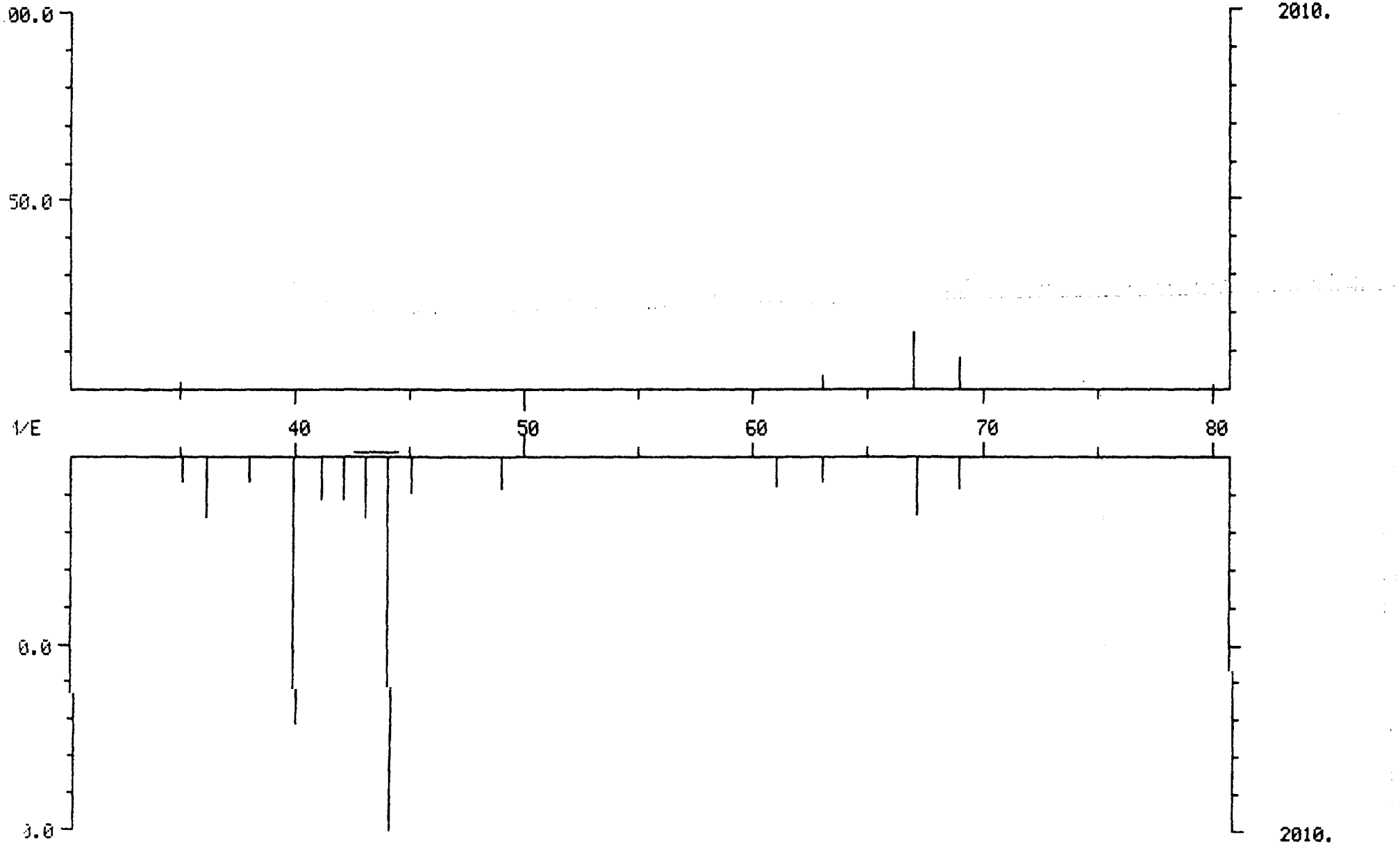
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 10:56
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #320 BASE M/E: 61/ 61
CALI: EPAVOA885 #1 RIC: 264191./ 276991.



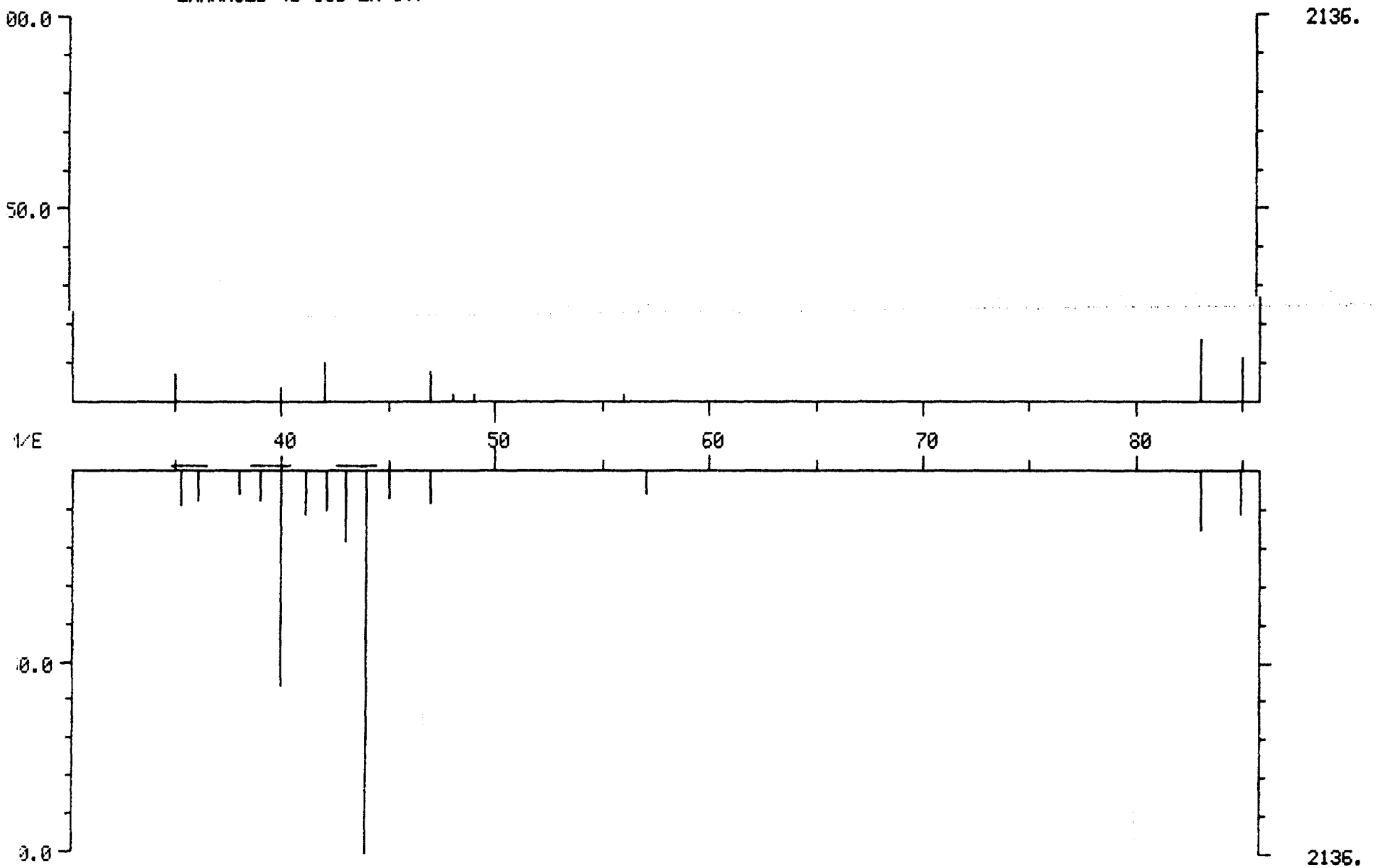
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 12:14
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #358 BASE M/E: 67/ 44
CALI: EPAVOA885 #1 RIC: 595./ 5927.



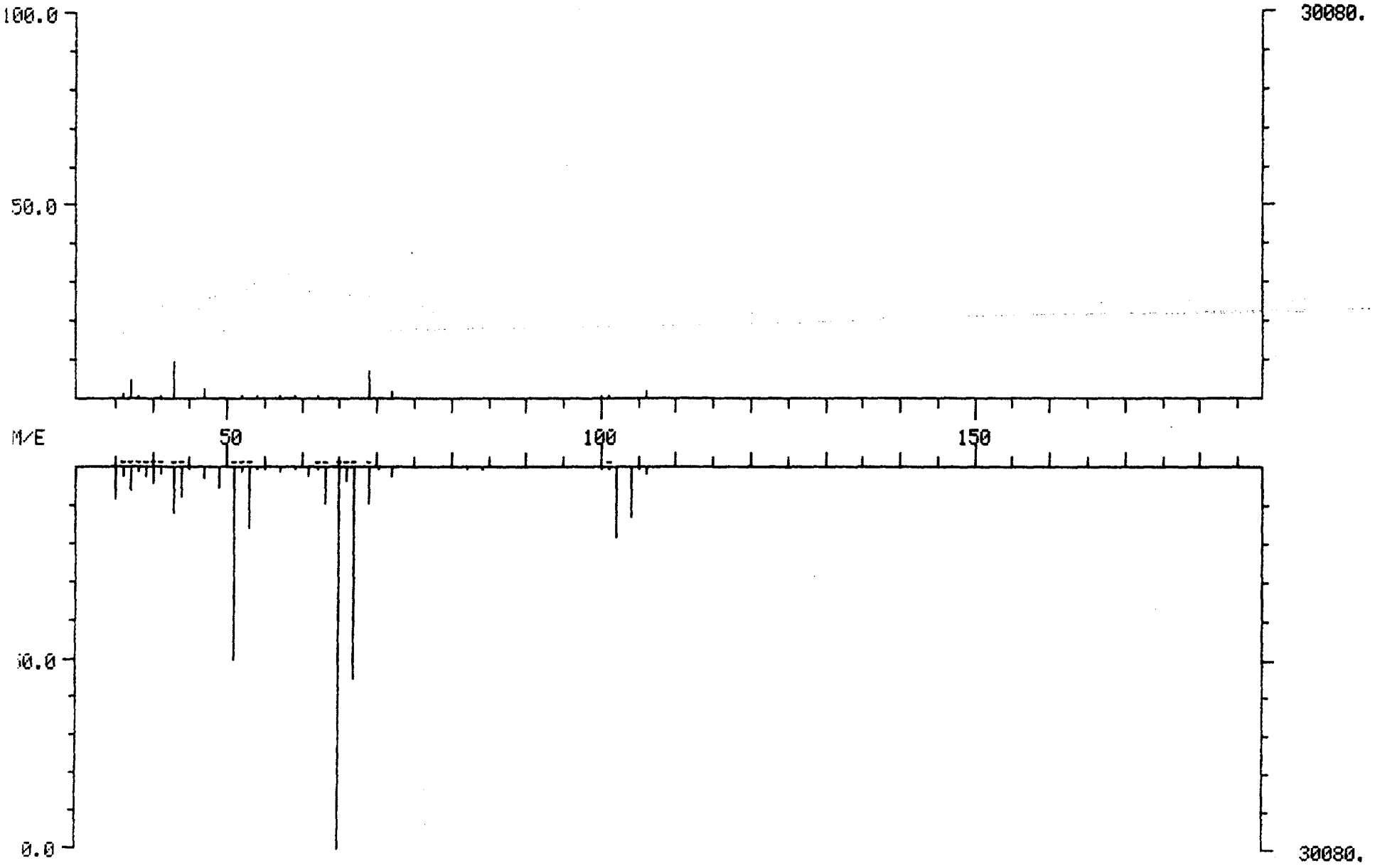
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 13:32
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #396 BASE M/E: 83/ 44
CALI: EPAVOA885 #1 RIC: 1303./ 5847.



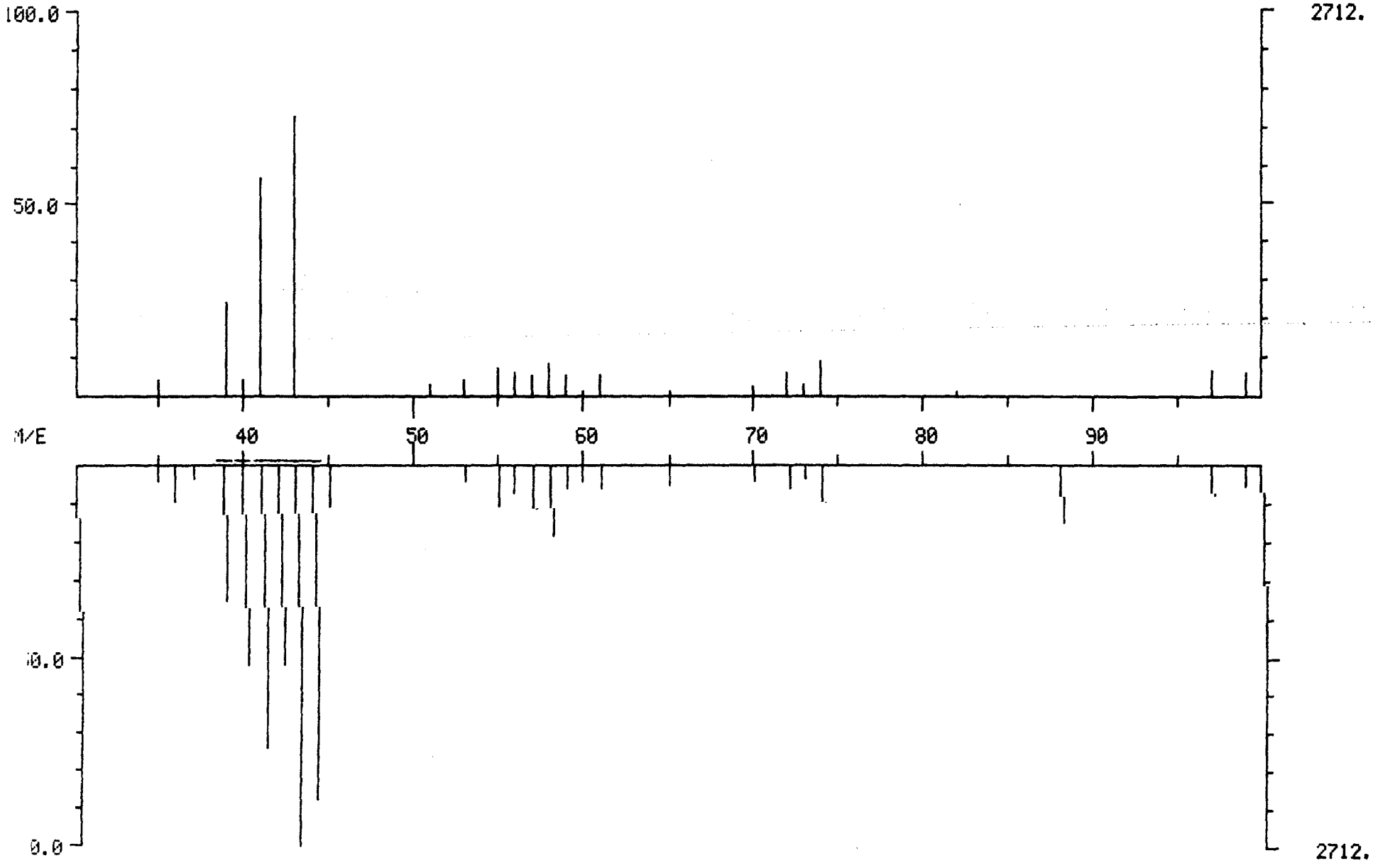
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 14:15
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #417 BASE M/E: 43/ 65
CALI: EPAVOA885 #1 RIC: 10351./ 103807.



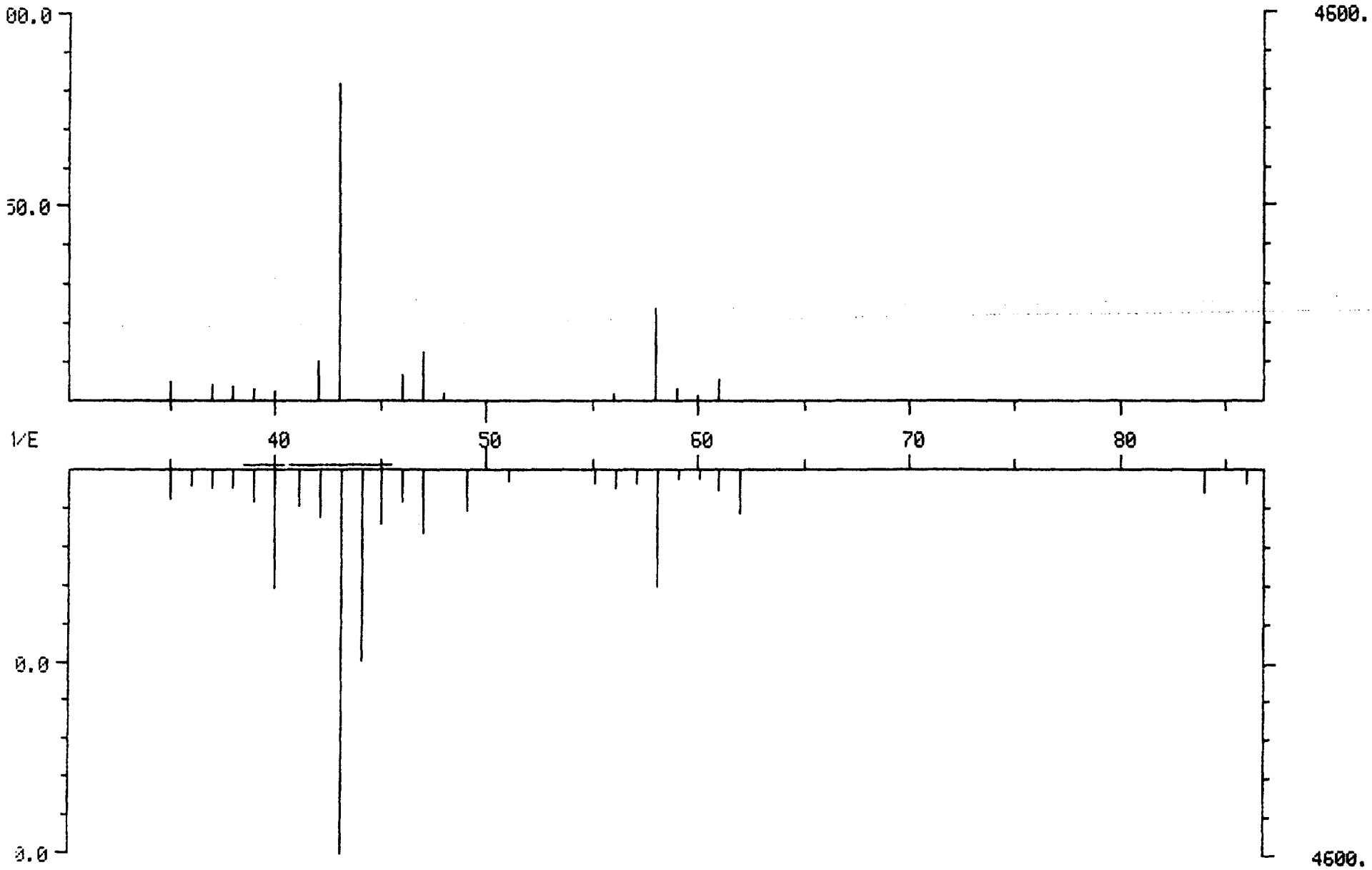
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 15:37
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #457 BASE M/E: 43/ 43
CALI: EPAVOA885 #1 RIC: 6575./ 15039.



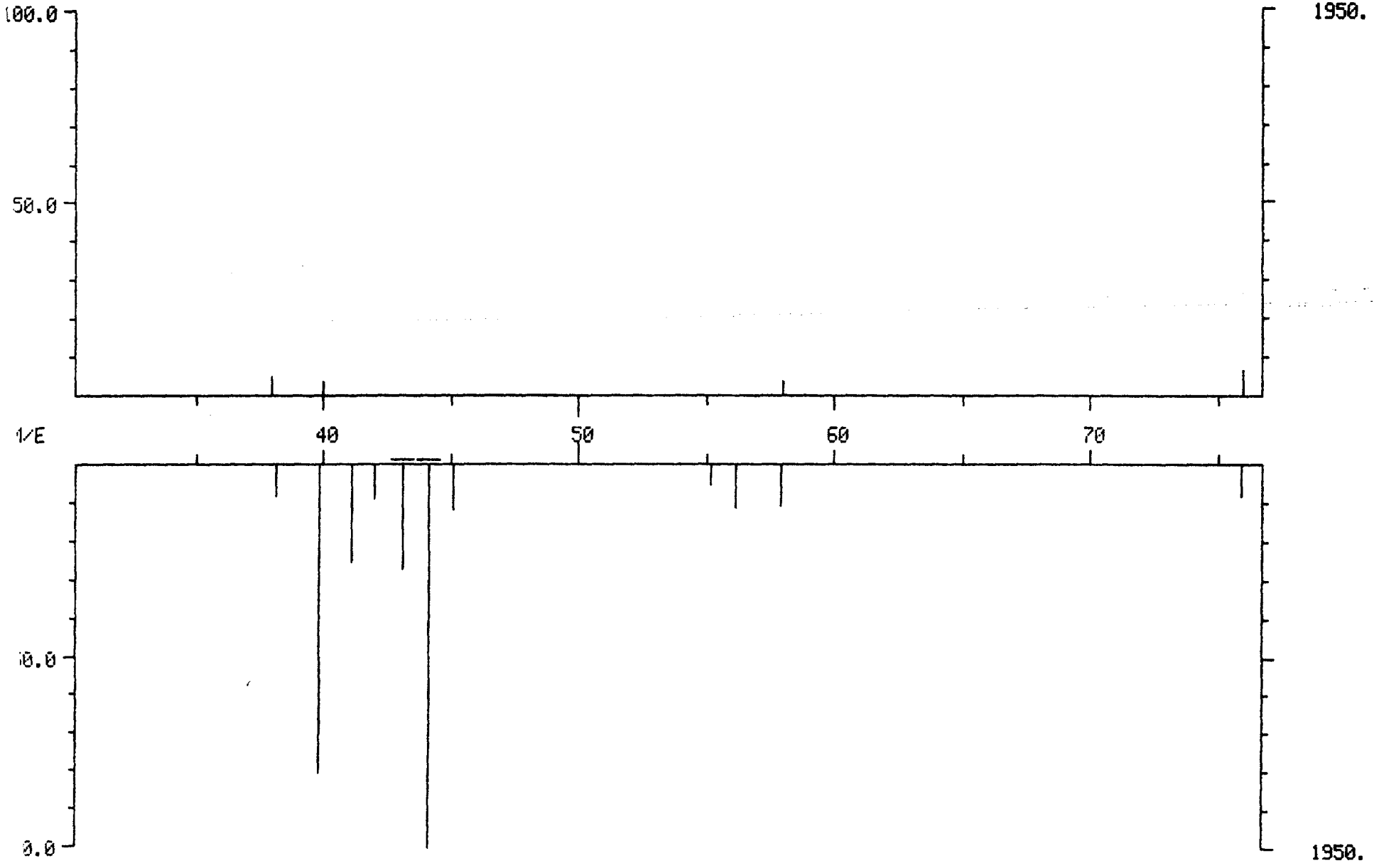
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 8:43
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #255 BASE M/E: 43/ 43
CALI: EPAVOA885 #1 RIC: 7575./ 16511.



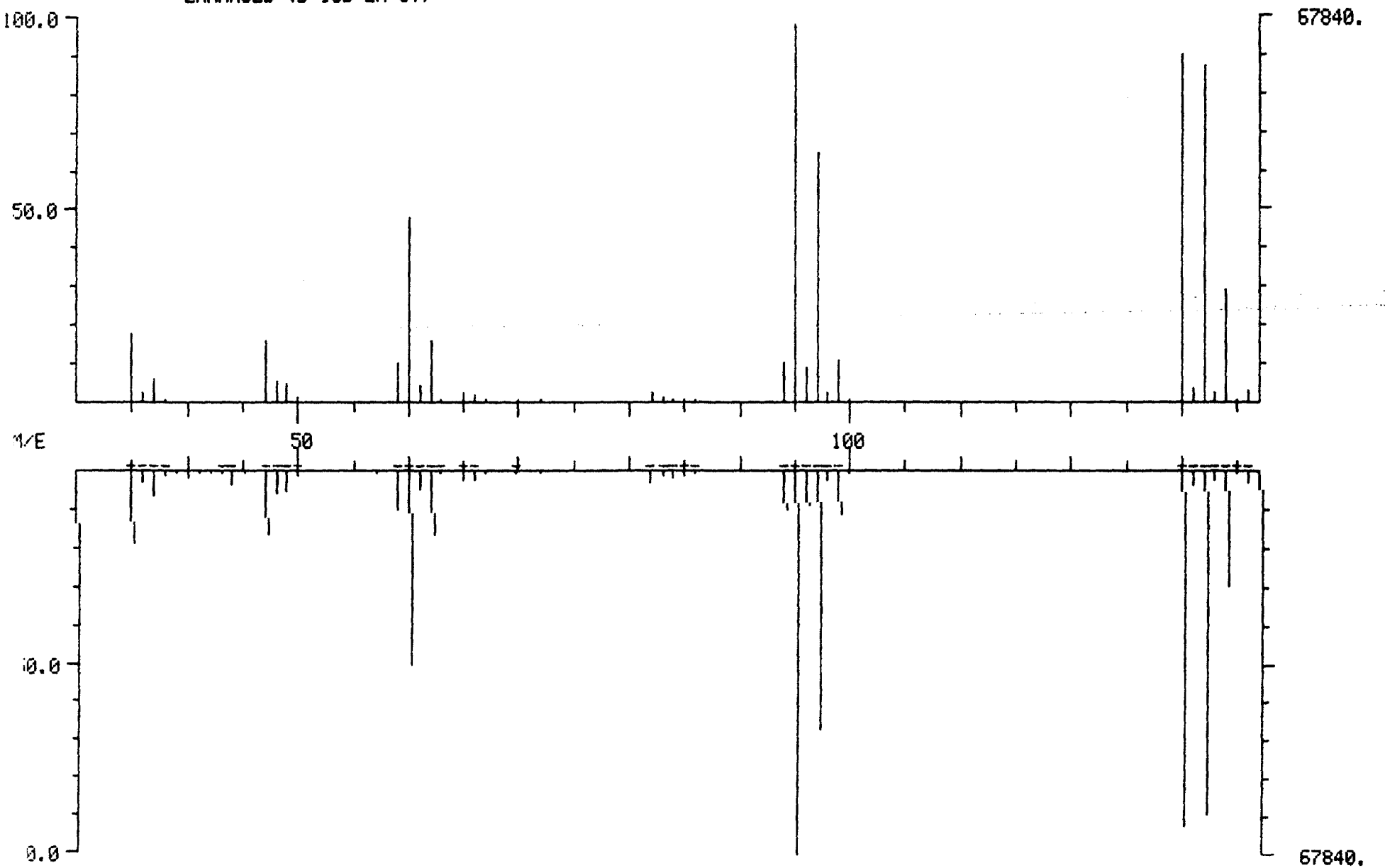
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 9:48
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #287 BASE M/E: 76/ 44
CALI: EPAVOA885 #1 RIC: 355./ 5823.



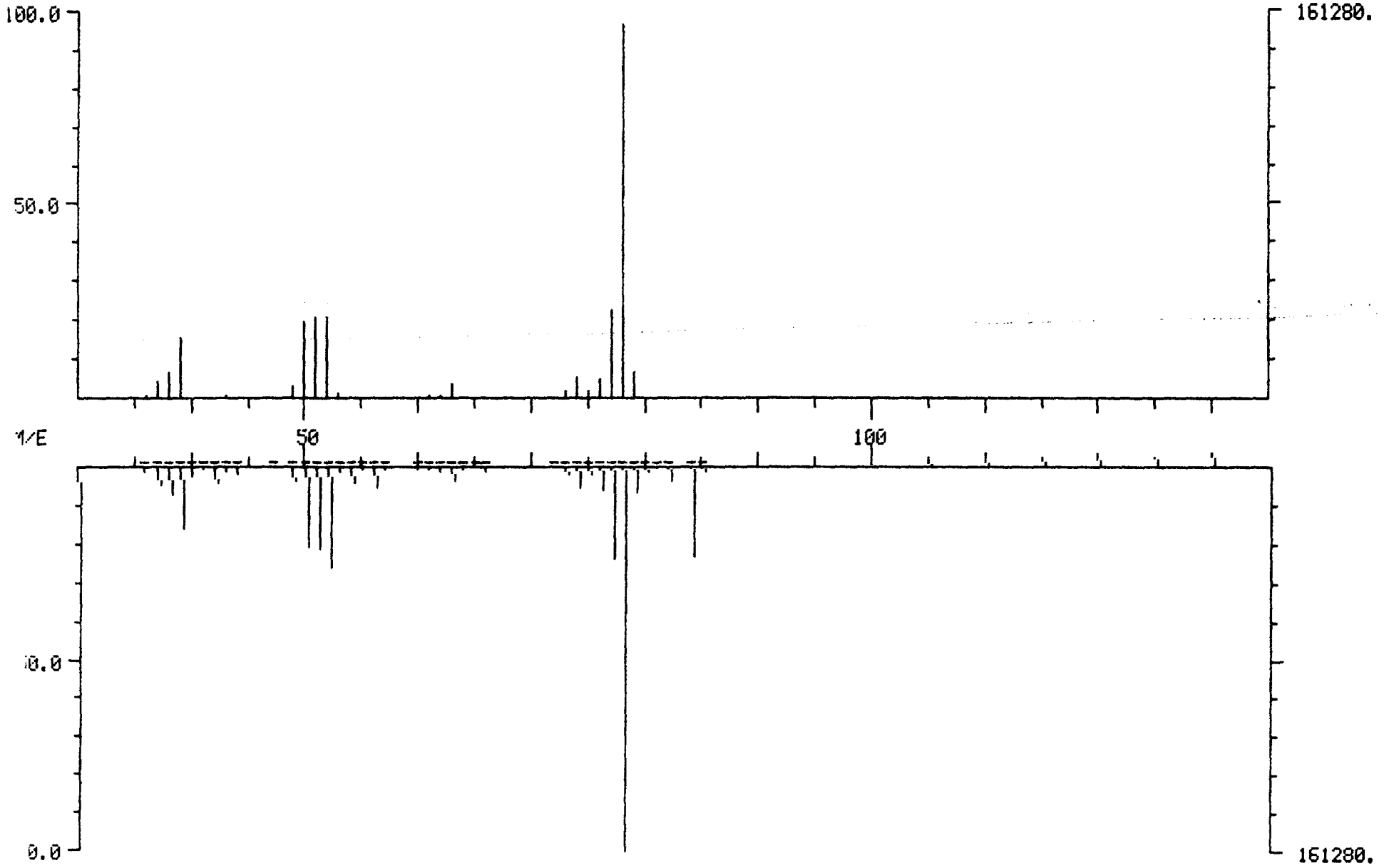
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 18:39
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #546 BASE M/E: 95/ 95
CALI: EPAVOA885 #1 RIC: 375807./ 396287.



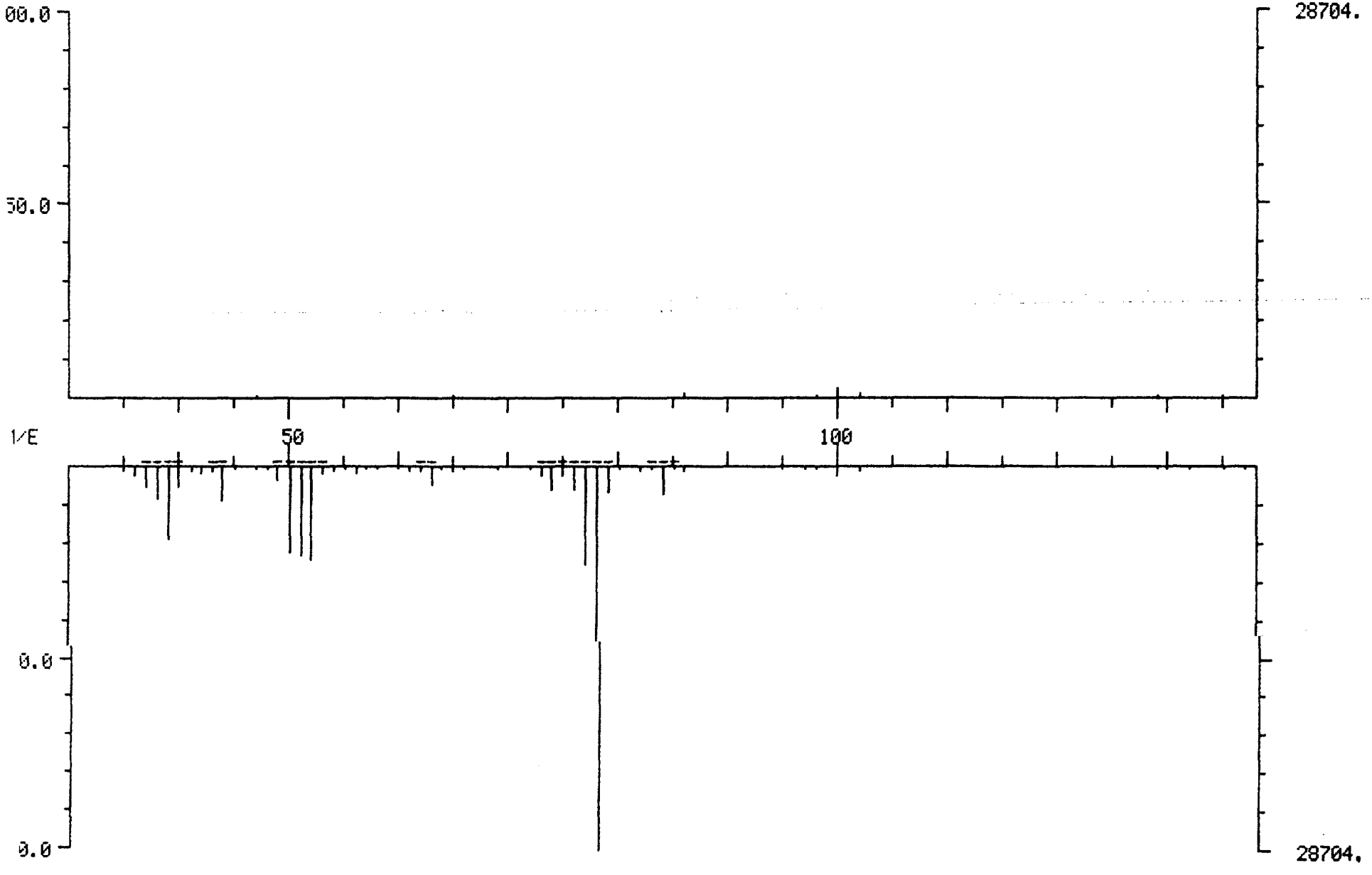
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 19:10
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #561 BASE M/E: 78/ 78
CALI: EPAVOA885 #1 RIC: 381951./ 494591.



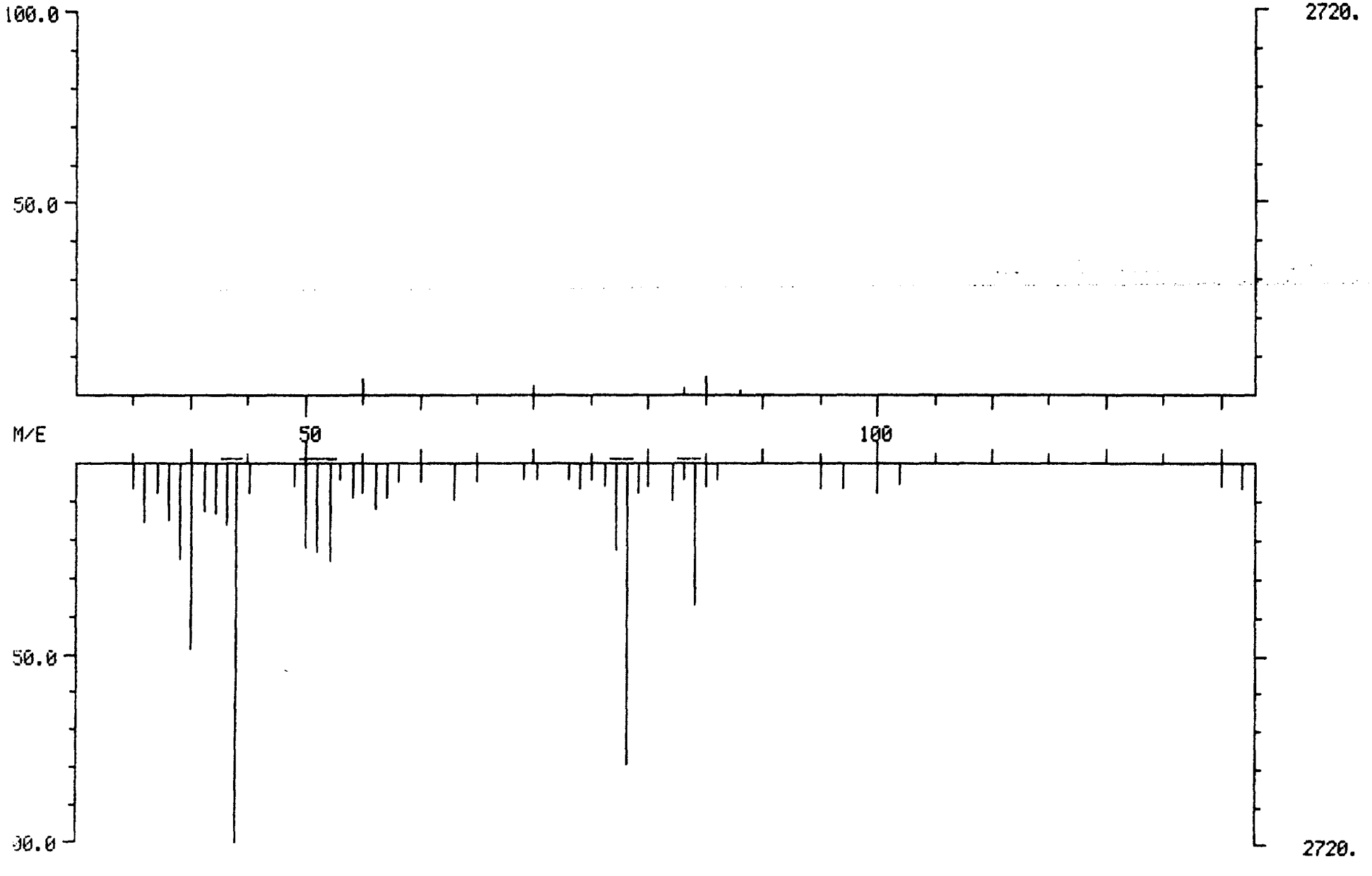
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 19:20
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #566 BASE M/E: 100/ 78
CALI: EPAVOA885 #1 RIC: 2013./ 90239.



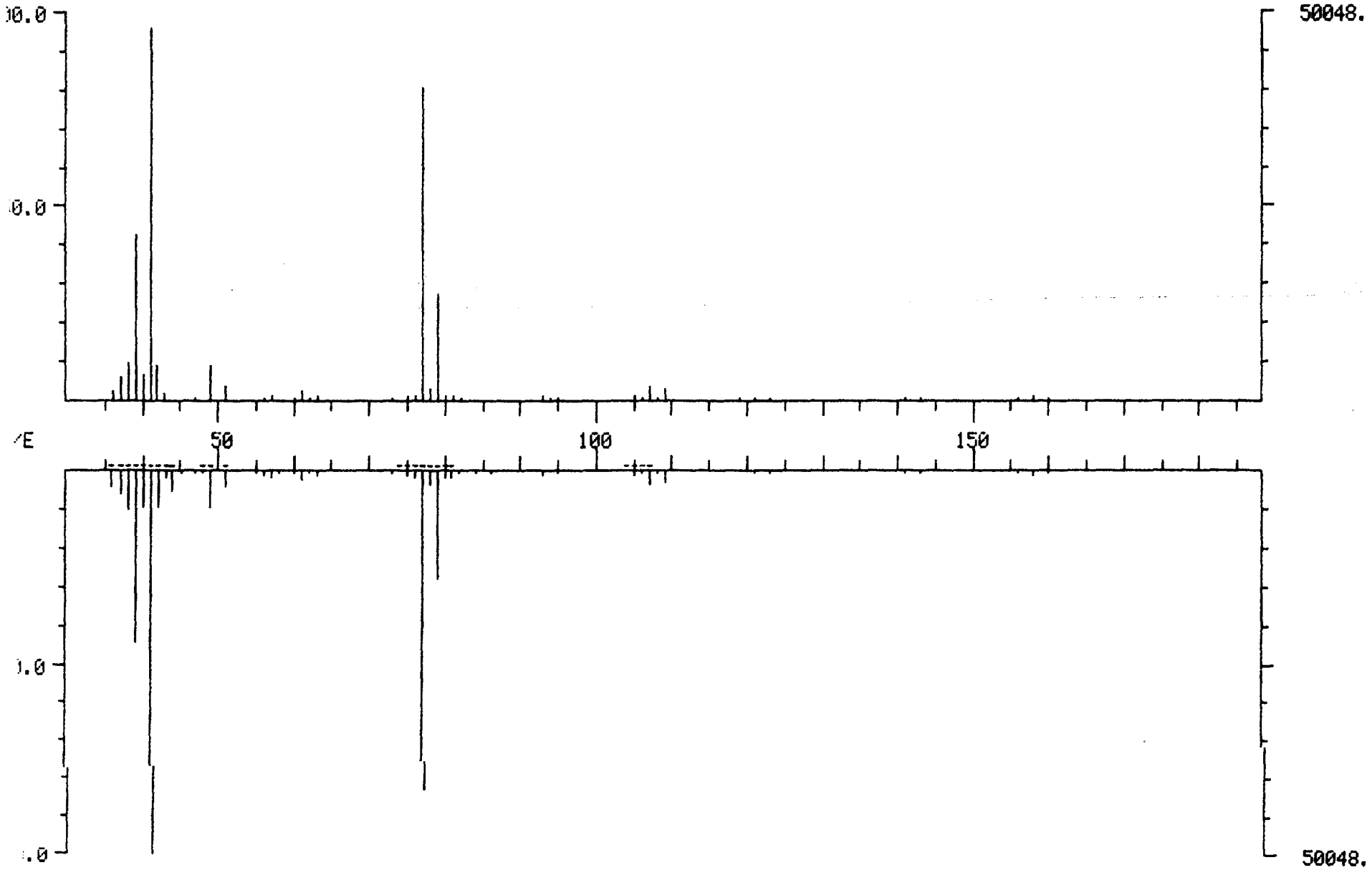
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 19:28
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #570 BASE M/E: 85/ 44
CALI: EPAVOA885 #1 RIC: 388./ 17695.



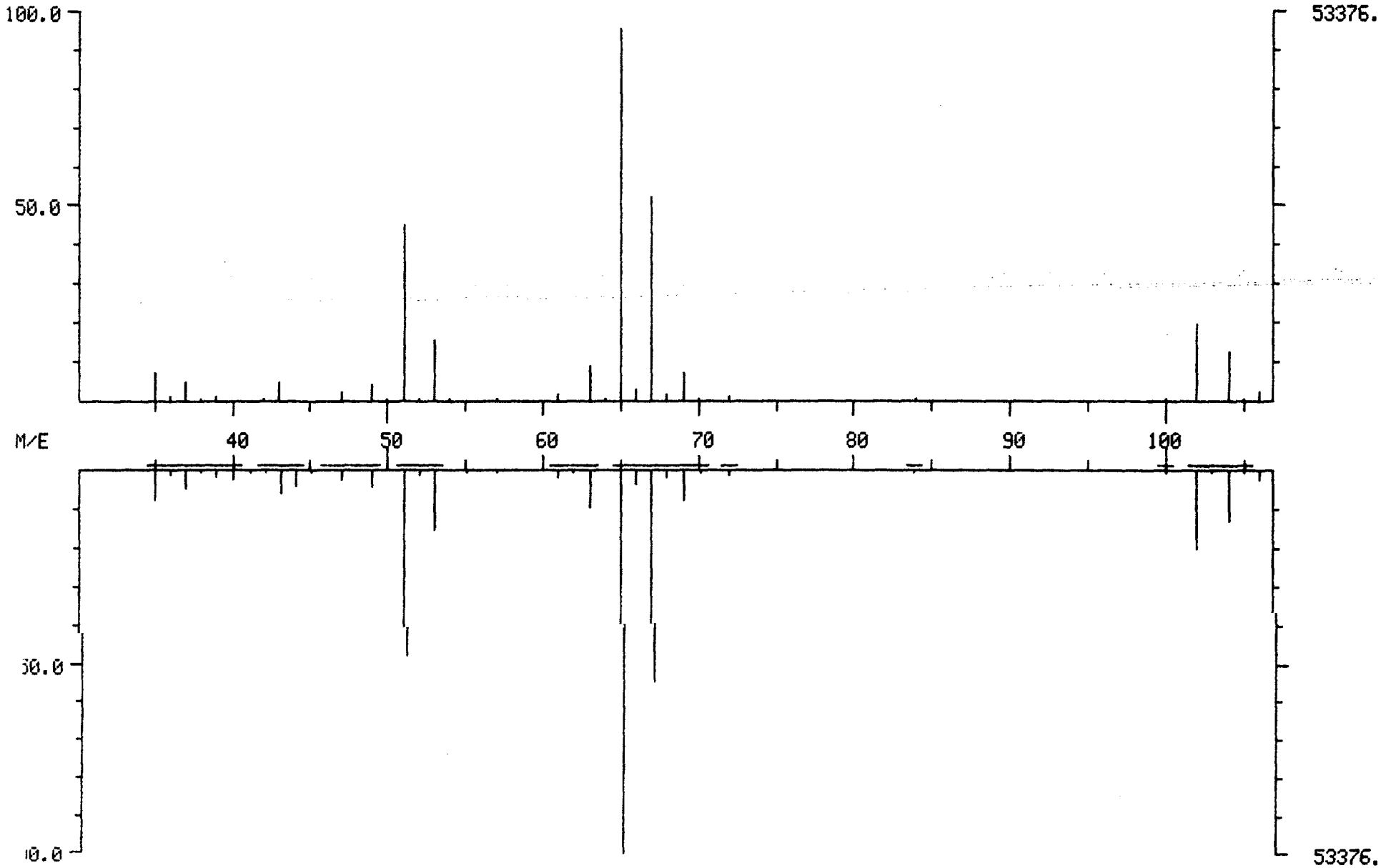
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 20:40
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #605 BASE M/E: 41/ 41
CALI: EPAVOA885 #1 RIC: 163839./ 177663.



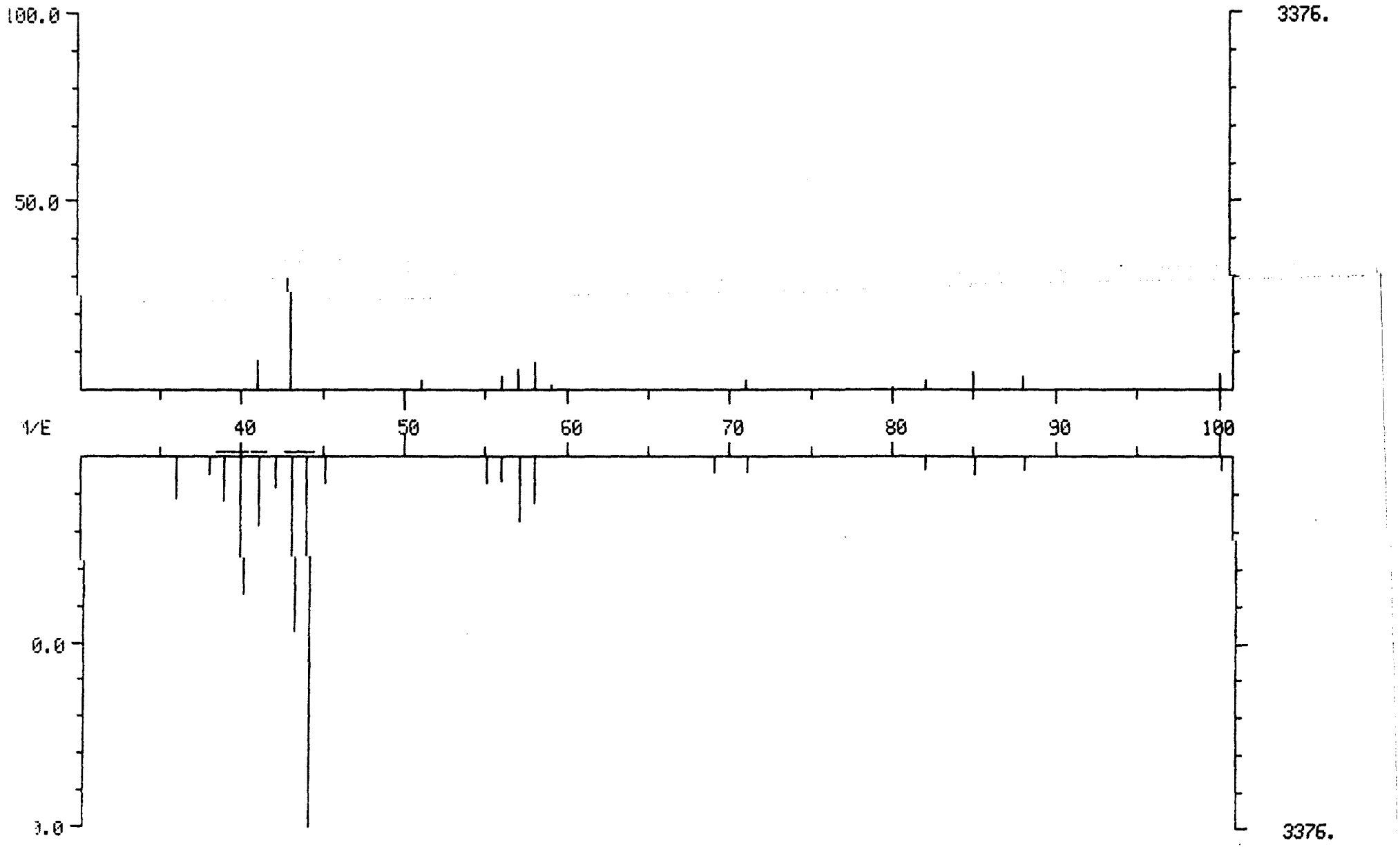
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 14:09
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #414 BASE M/E: 65/ 65
CALI: EPAVOA885 #1 RIC: 158463./ 171775.



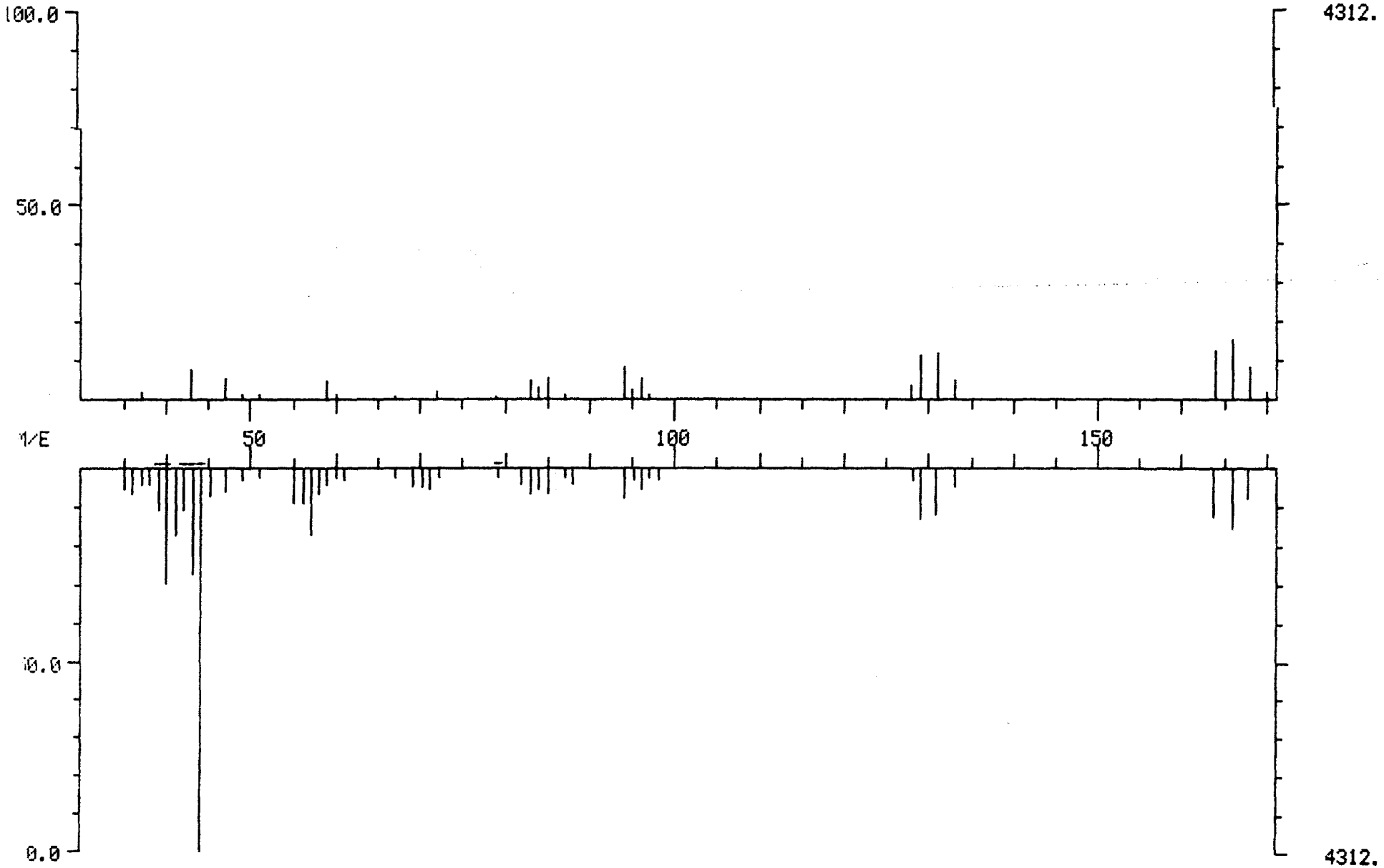
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 22:33
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #660 BASE M/E: 43/ 44
CALI: EPAVOA885 #1 RIC: 2495./ 10543.



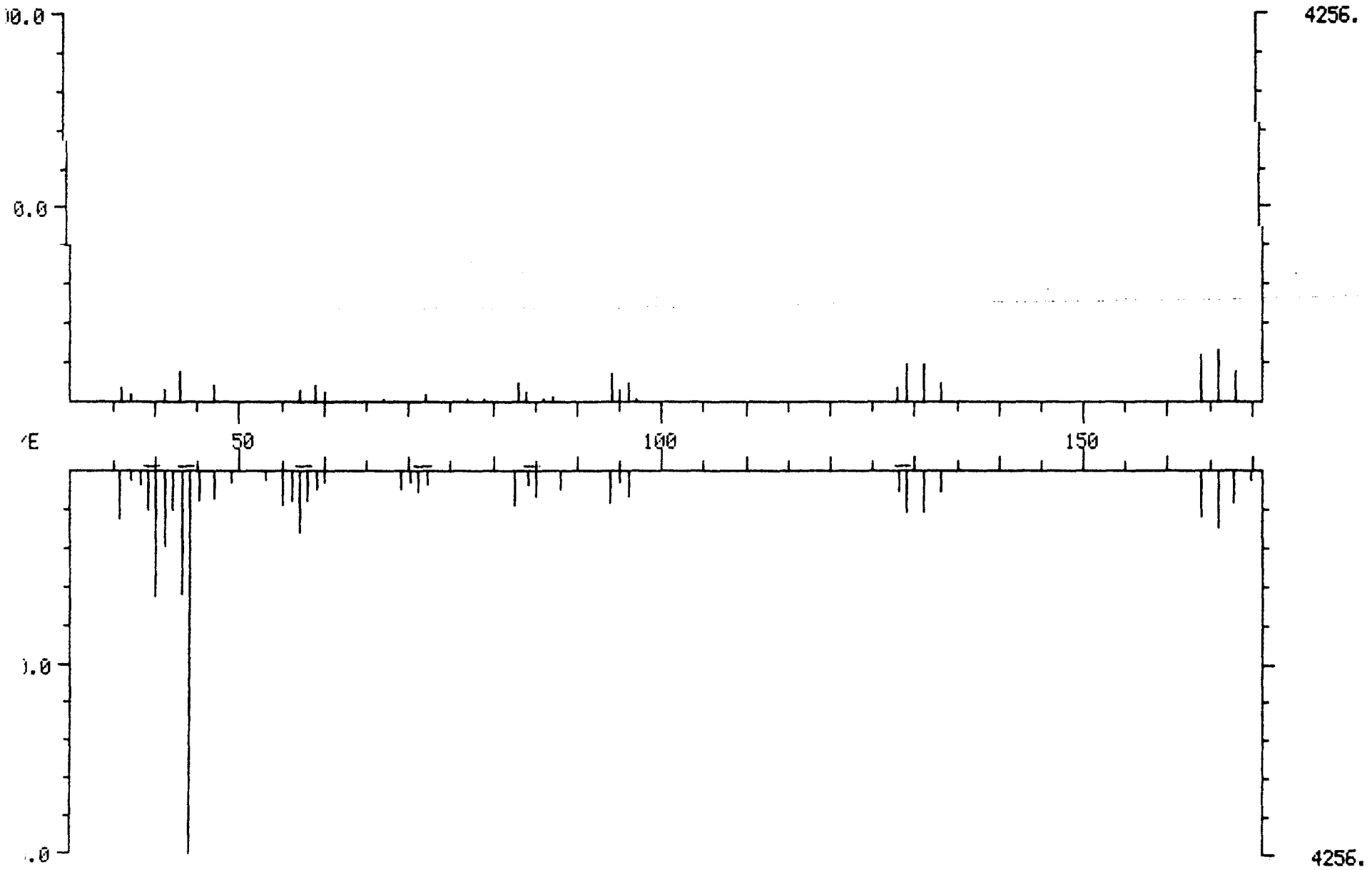
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 24:22
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #713 BASE M/E: 166/ 44
CALI: EPAVOA885 #1 RIC: 5431./ 18367.



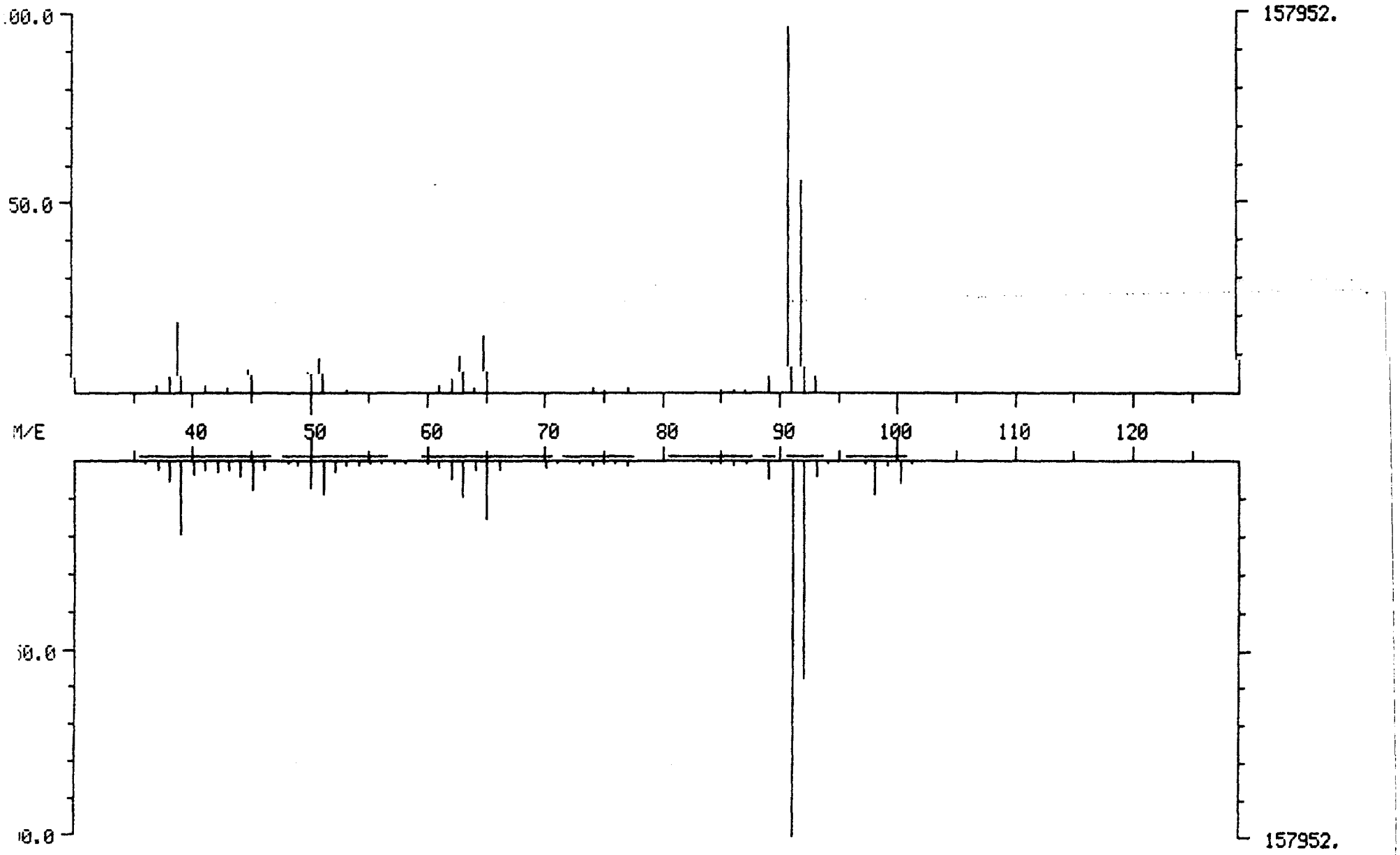
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 24:20
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #712 BASE M/E: 166/ 44
CALI: EPAVOA885 #1 RIC: 5031./ 17855.



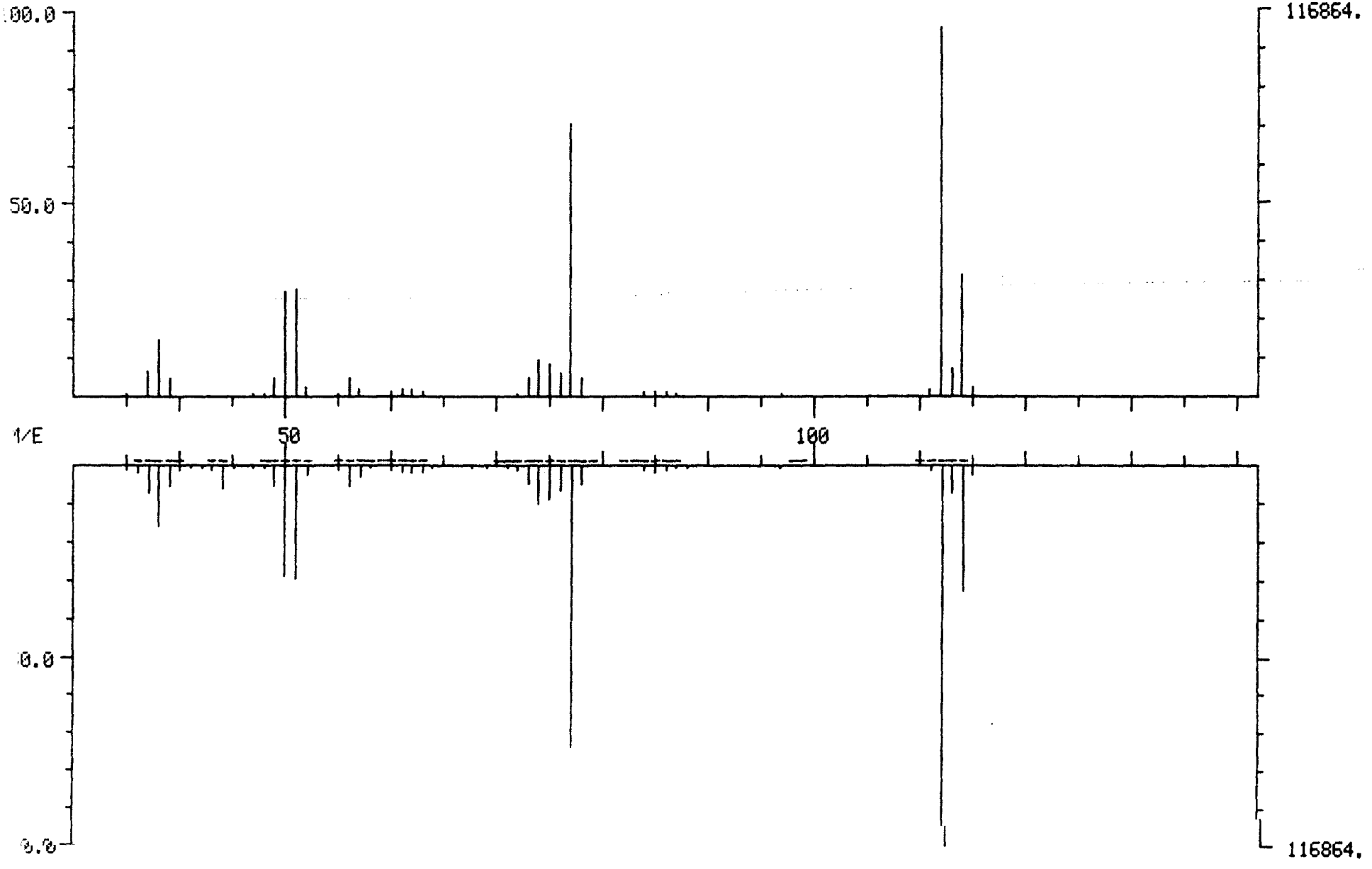
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 25:42
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #752 BASE M/E: 91/ 91
CALI: EPAVOA885 #1 RIC: 385023./ 489471.



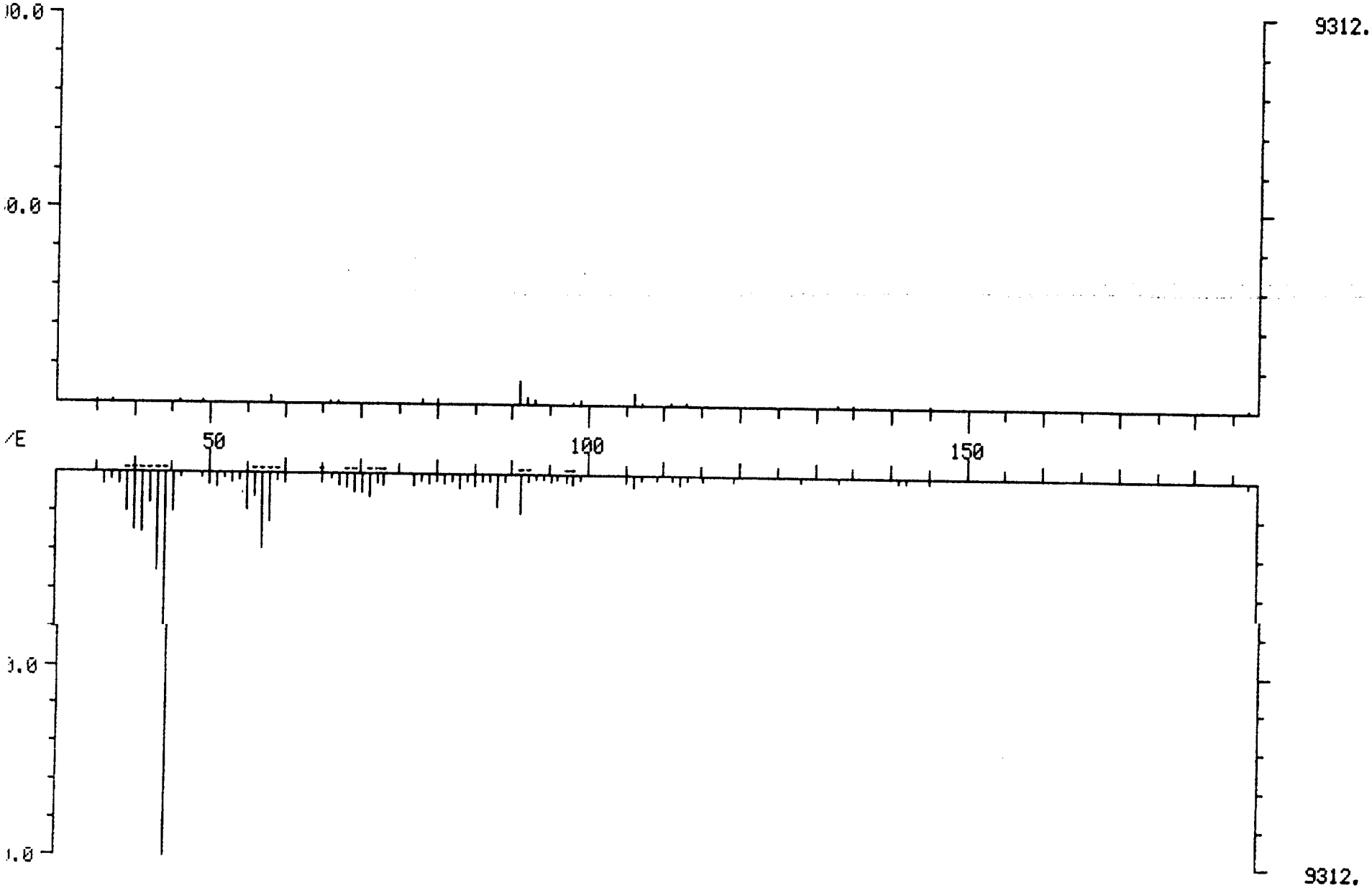
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 26:53
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #787 BASE M/E: 112/ 112
CALI: EPAVOA885 #1 RIC: 411647./ 455679.



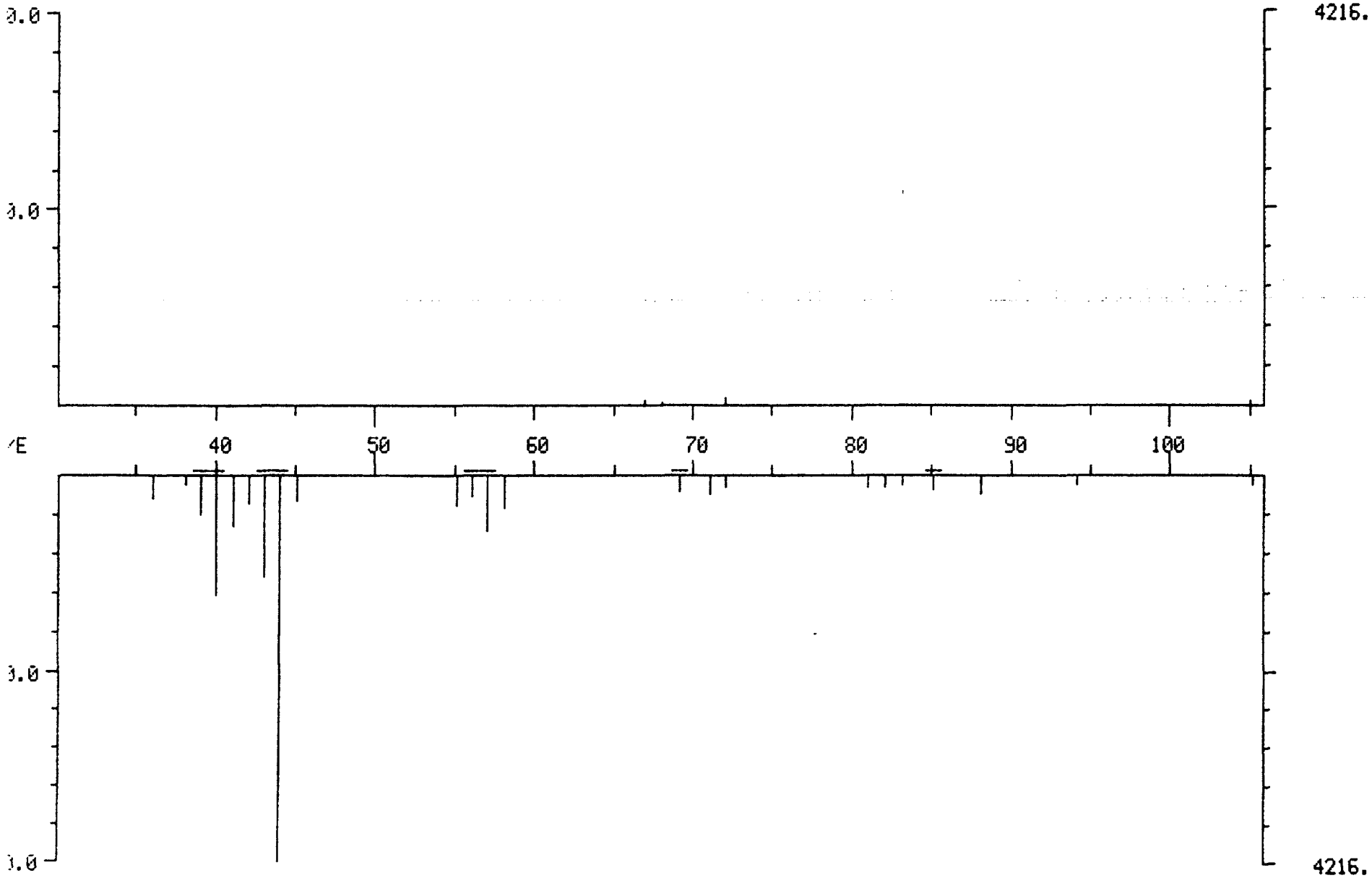
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 28:52
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #845 BASE M/E: 91/ 44
CALI: EPAVOA885 #1 RIC: 2279./ 34431.



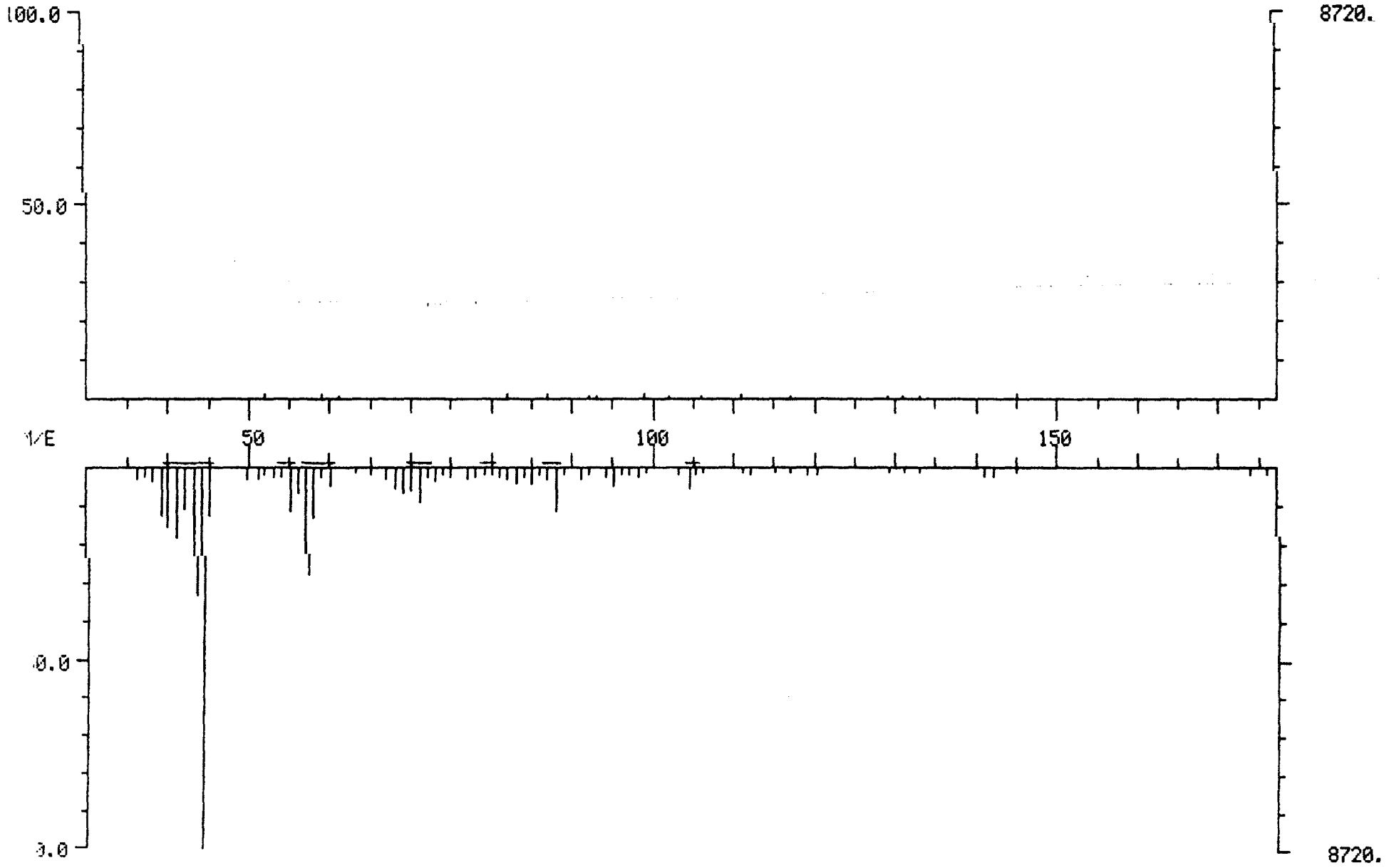
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 24:05
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #705 BASE M/E: 72/ 44
CALI: EPAVOA885 #1 RIC: 176./ 11423.



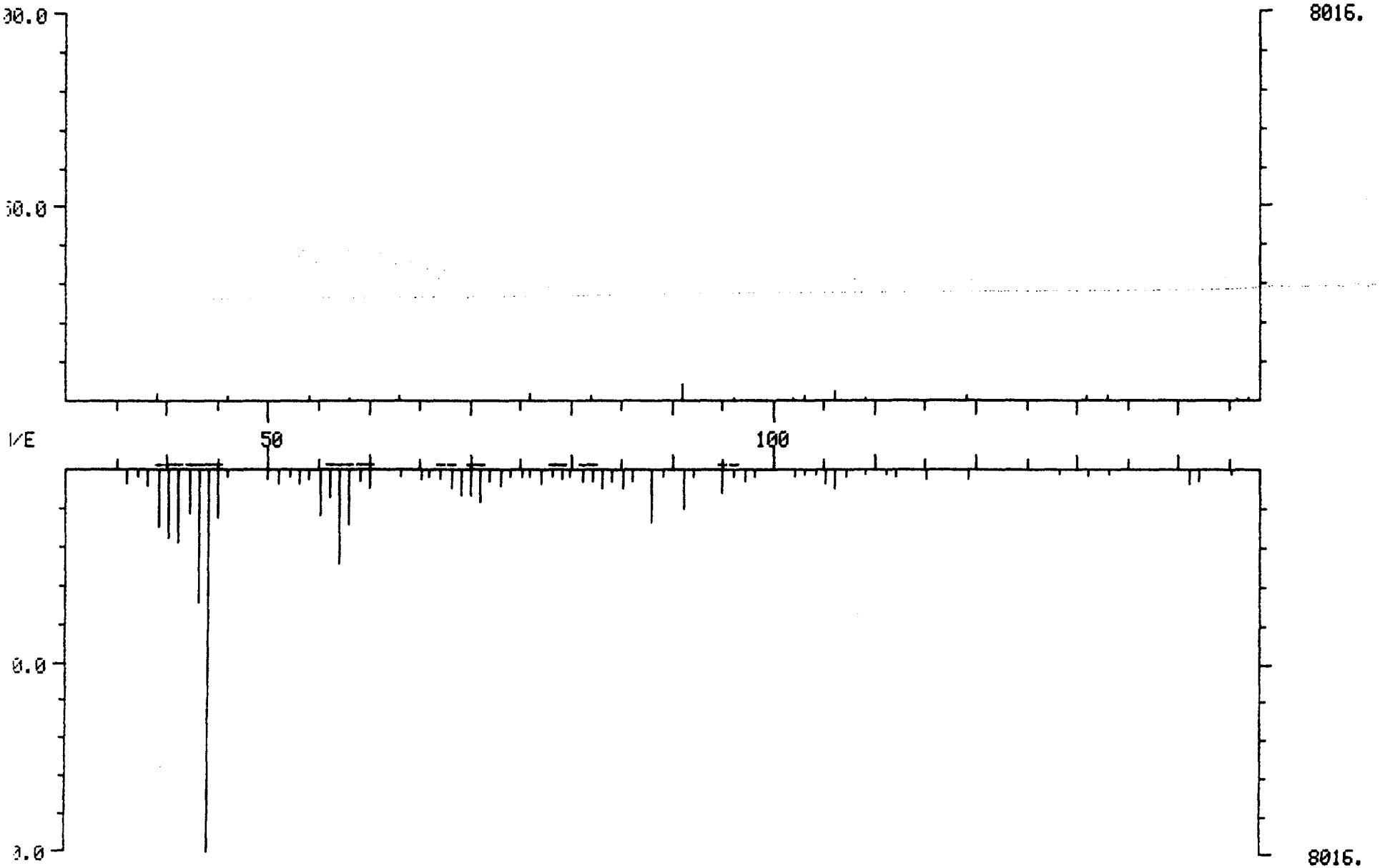
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 32:07
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #940 BASE M/E: 59/ 44
CALI: EPAVOA885 #1 RIC: 1283./ 37183.



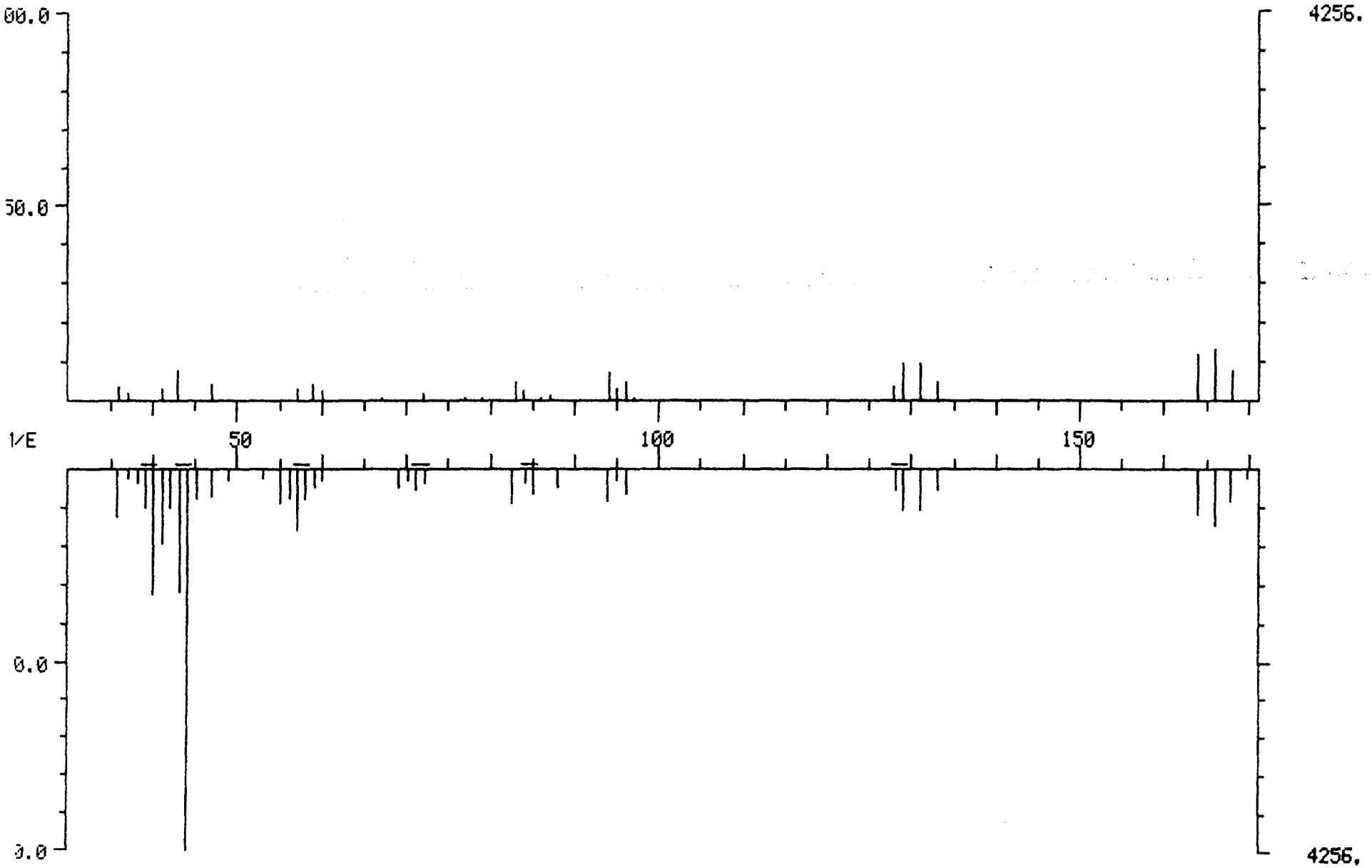
DUAL MASS SPECTRUM
02/27/84 0:19:00 + 33:17
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA885 #974 BASE M/E: 91/ 44
CALI: EPAVOA885 #1 RIC: 1859./ 36223.



DUAL MASS SPECTRUM
02/27/84 0:19:00 + 24:20
SAMPLE: 77056-4 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

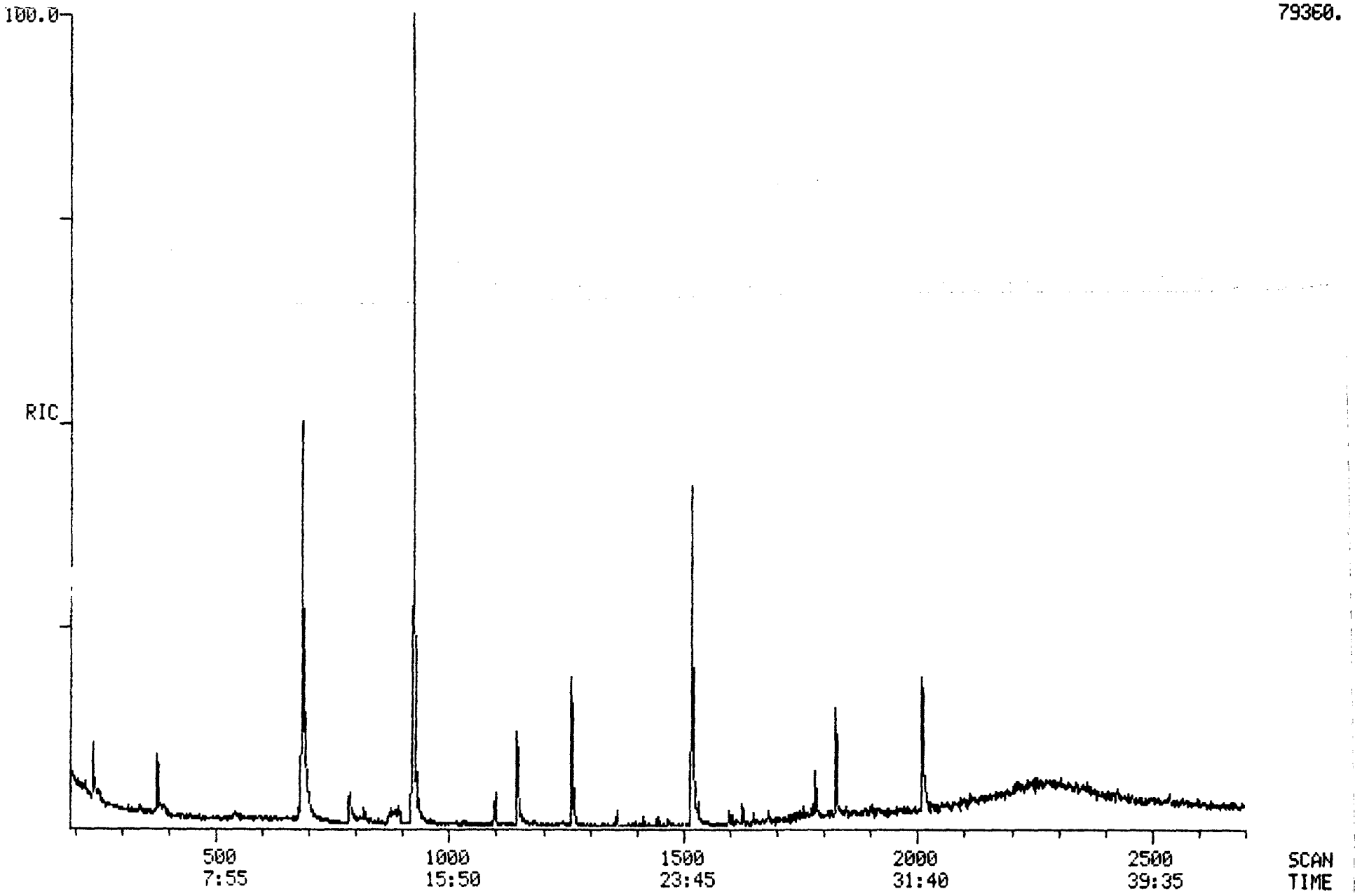
DATA: EPAVOA885 #712 BASE M/E: 166/ 44
CALI: EPAVOA885 #1 RIC: 5031./ 17855.



RIC
03/06/84 15:00:00
SAMPLE: 77056-2DMS
CONDS.:
RANGE: G 1,2700 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN708 #1
CALI: EPABN708 #1

SCANS 190 TO 2700



QUANTITATION REPORT FILE: EPABN708

DATA: EPABN708.TI
03/06/84 15:00:00
SAMPLE: 77056-2DMS
SUBMITTED BY: EPA ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

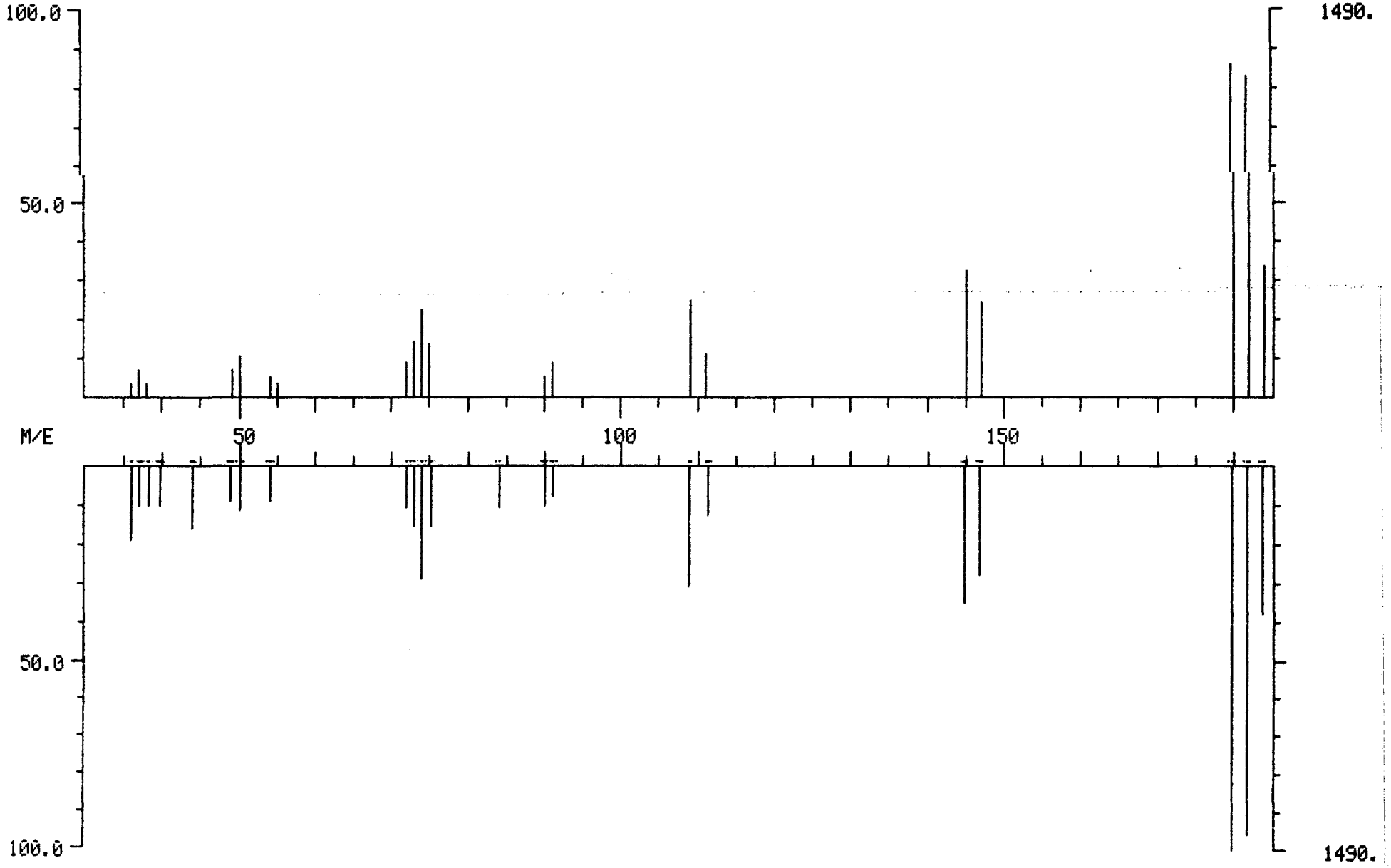
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 686 | 10:52 | 1 | 1.000 | A BB | 29180. | 20.000 UG/ML | 42.65 |
| 2 | 136 | 925 | 14:39 | 2 | 1.000 | A BB | 107194. | 20.000 UG/ML | 42.65 |
| 3 | 188 | 1518 | 24:02 | 3 | 1.000 | A BV | 54072. | 20.000 UG/ML | 42.65 |
| 4 | 240 | 2010 | 31:49 | 4 | 1.000 | A BB | 23121. | 20.000 UG/ML | 42.65 |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | NOT FOUND | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | |
| 10 | 146 | 690 | 10:55 | 1 | 1.006 | A BB | 12067. | 4.585 UG/ML | 9.77 |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | NOT FOUND | | | | | | | | |
| 15 | NOT FOUND | | | | | | | | |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | 70 | 789 | 12:30 | 2 | 0.853 | A BB | 5020. | -6.775 UG/ML | *-14. |
| 19 | NOT FOUND | | | | | | | | |
| 20 | 82 | 856 | 13:33 | 2 | 0.925 | A BB | 218. | -9.011 UG/ML | *-19. |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | 180 | 921 | 14:35 | 2 | 0.996 | A BB | 7566. | 3.230 UG/ML | 6.89 |
| 26 | 128 | 928 | 14:42 | 2 | 1.003 | A BB | 485. | -19.470 UG/ML | *-41. |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | NOT FOUND | | | | | | | | |
| 36 | NOT FOUND | | | | | | | | |
| 37 | 172 | 1146 | 18:09 | 2 | 1.239 | A BV | 13783. | -0.453 UG/ML | -0.96 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| 40 | NOT FOUND | | | | | | | | |
| 41 | NOT FOUND | | | | | | | | |
| 42 | 153 | 1261 | 19:58 | 3 | 0.831 | A BB | 12153. | -4.561 UG/ML | -9.72 |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | NOT FOUND | | | | | | | | |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | NOT FOUND | | | | | | | | |
| 50 | NOT FOUND | | | | | | | | |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | NOT FOUND | | | | | | | | |
| 55 | 178 | 1522 | 24:06 | 3 | 1.003 | A BB | 326. | -1.991 UG/ML | -4.24 |
| 56 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 57 | NOT FOUND | | | | | | | | |
| 58 | 202 | 1746 | 27:39 | 3 | 1.150 | A BB | 467. | 1.969 UG/ML | 4.20 |
| 59 | NOT FOUND | | | | | | | | |
| 60 | NOT FOUND | | | | | | | | |
| 61 | NOT FOUND | | | | | | | | |
| 62 | NOT FOUND | | | | | | | | |
| 63 | NOT FOUND | | | | | | | | |
| 64 | NOT FOUND | | | | | | | | |
| 65 | NOT FOUND | | | | | | | | |
| 66 | 202 | 1782 | 28:13 | 4 | 0.887 | A BB | 8365. | 1.145 UG/ML | 2.44 |
| 67 | NOT FOUND | | | | | | | | |
| 68 | NOT FOUND | | | | | | | | |
| 69 | NOT FOUND | | | | | | | | |
| ~~70~~ | ~~228~~ | ~~2016~~ | ~~31:55~~ | ~~4~~ | ~~1.003~~ | ~~A BB~~ | ~~261~~ | ~~-10.229 UG/ML~~ | ~~*-21.~~ |
| 71 | 149 | 2053 | 32:30 | 4 | 1.021 | A BB | 228. | 4.097 UG/ML | 8.74 |
| 72 | 244 | 1826 | 28:55 | 4 | 0.908 | A BB | 16267. | 13.899 UG/ML | 29.64 |
| 73 | NOT FOUND | | | | | | | | |
| 74 | NOT FOUND | | | | | | | | |
| 75 | NOT FOUND | | | | | | | | |
| 76 | NOT FOUND | | | | | | | | |
| 77 | NOT FOUND | | | | | | | | |
| 78 | NOT FOUND | | | | | | | | |
| 79 | NOT FOUND | | | | | | | | |
| 80 | NOT FOUND | | | | | | | | |

DUAL MASS SPECTRUM
03/06/84 15:00:00 + 14:35
SAMPLE: 77056-2DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

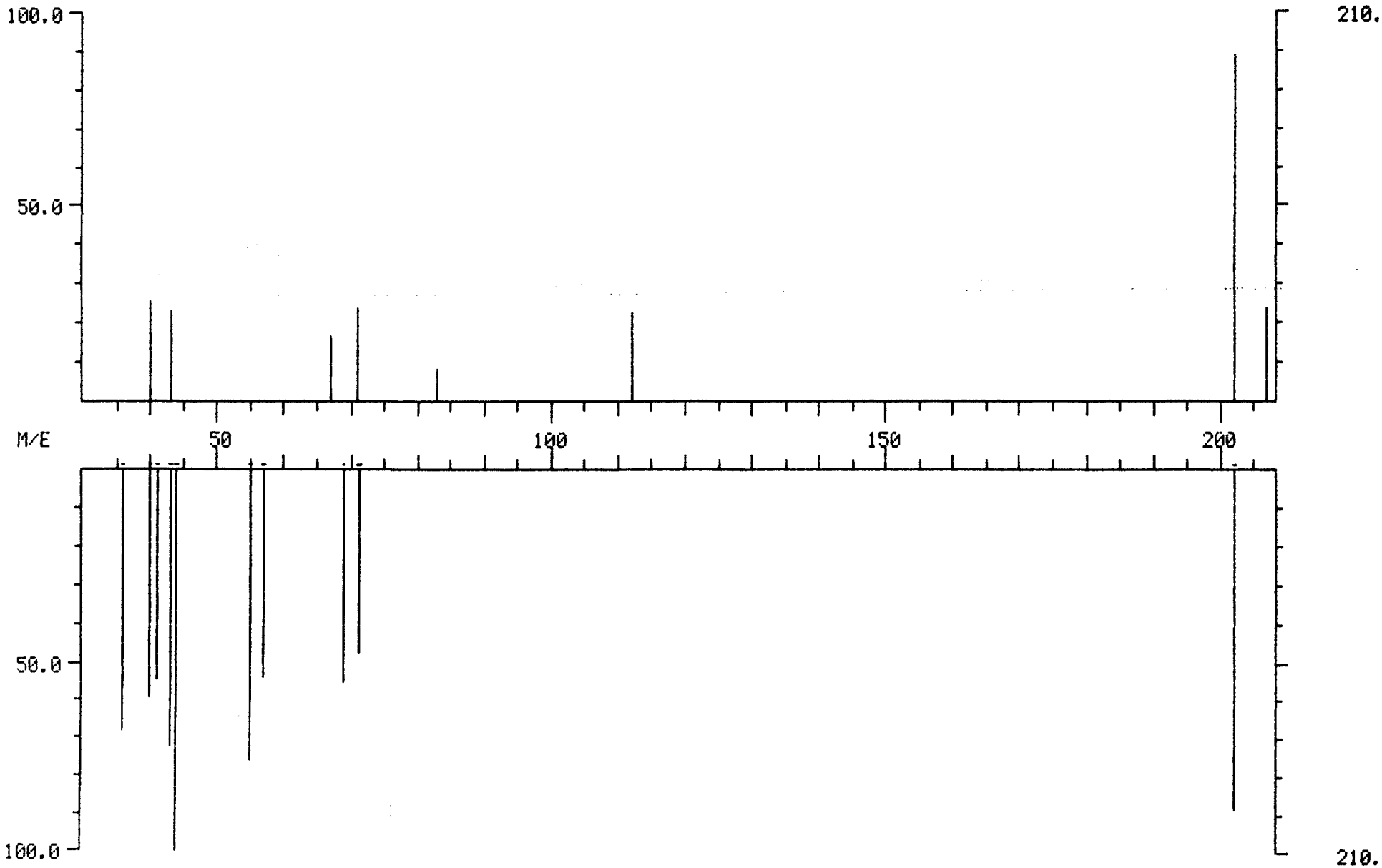
DATA: EPABN708 #921
CALI: EPABN708 #1

BASE M/E: 180/ 180
RIC: 6111./ 7927.



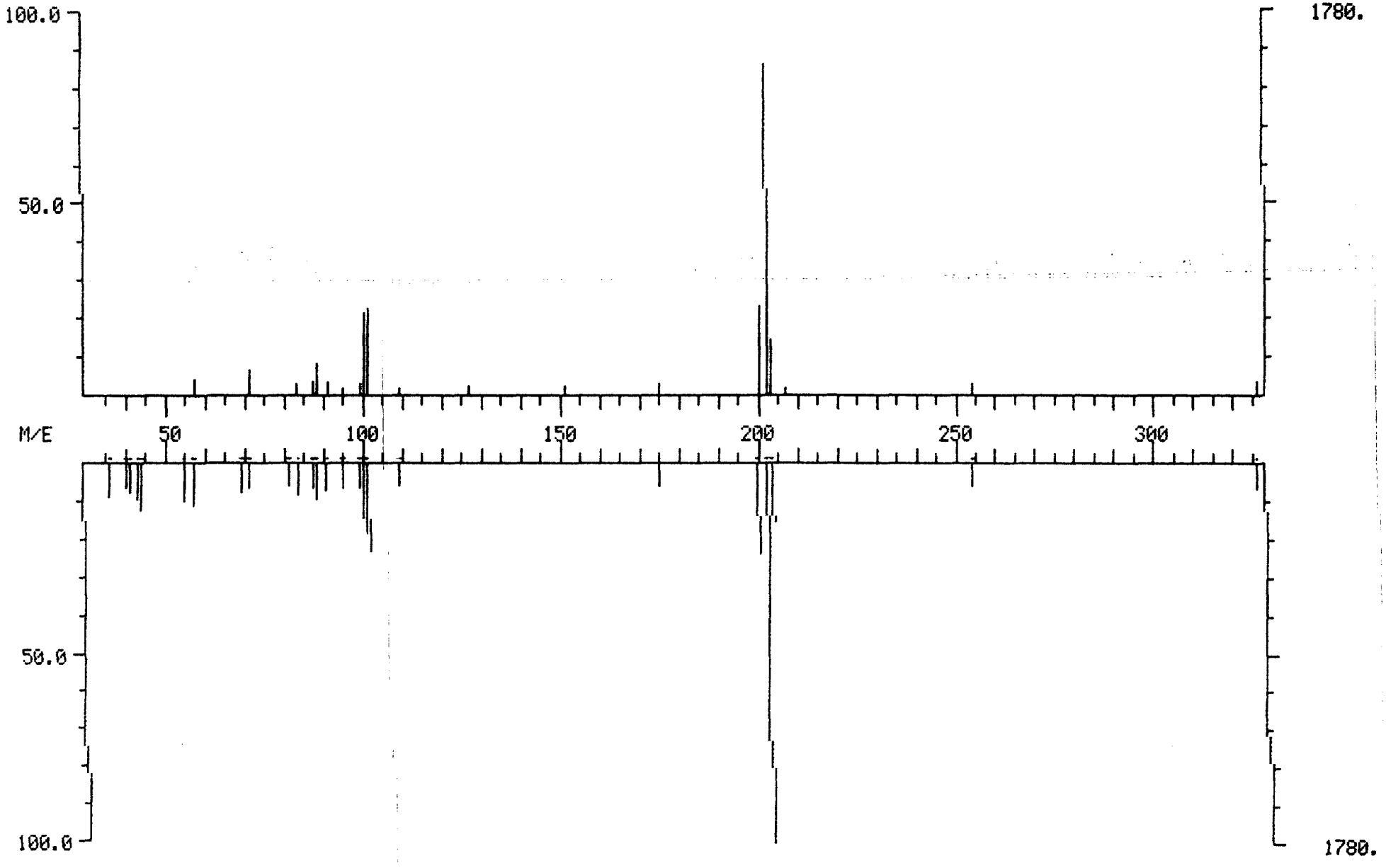
DUAL MASS SPECTRUM
03/06/84 15:00:00 + 27:39
SAMPLE: 77056-2DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN708 #1746 BASE M/E: 202/ 44
CALI: EPABN708 #1 RIC: 487./ 1415.



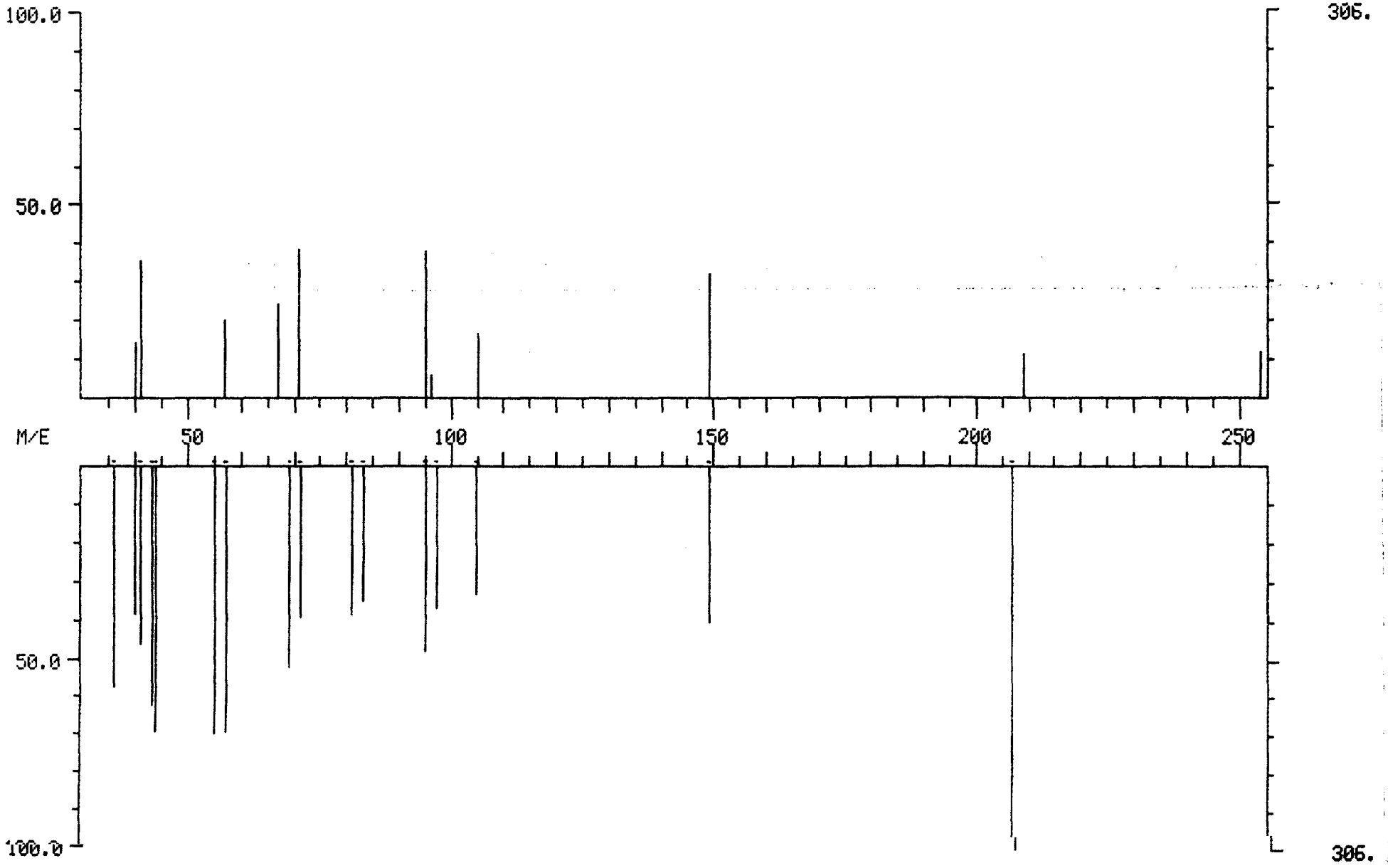
DUAL MASS SPECTRUM
03/06/84 15:00:00 + 28:13
SAMPLE: 77056-2DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN708 #1782 BASE M/E: 202/ 202
CALI: EPABN708 #1 RIC: 3871./ 5967.



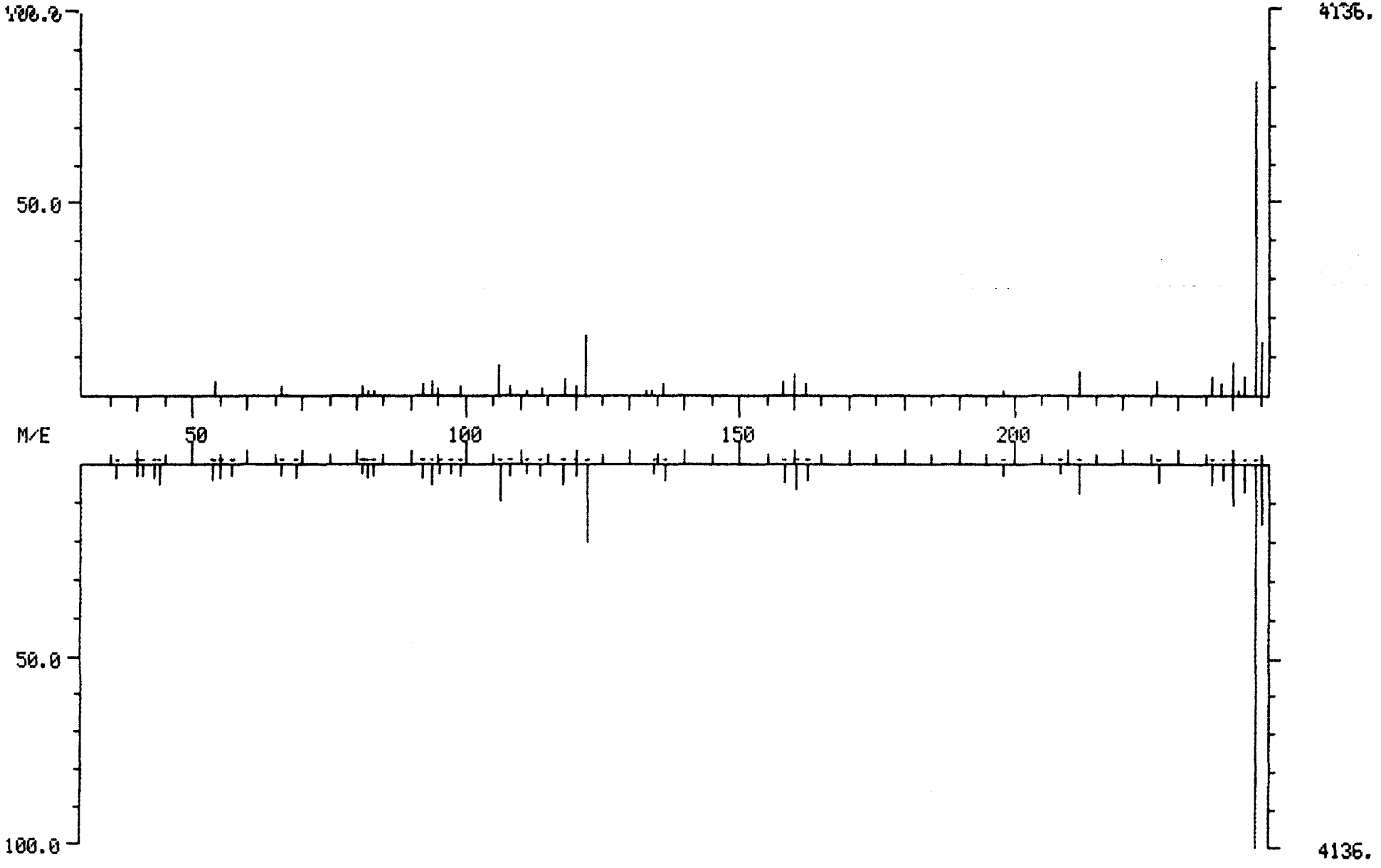
DUAL MASS SPECTRUM
03/06/84 15:00:00 + 32:30
SAMPLE: 77056-2DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN708 #2053 BASE M/E: 71/ 207
CALI: EPABN708 #1 RIC: 758./ 2559.

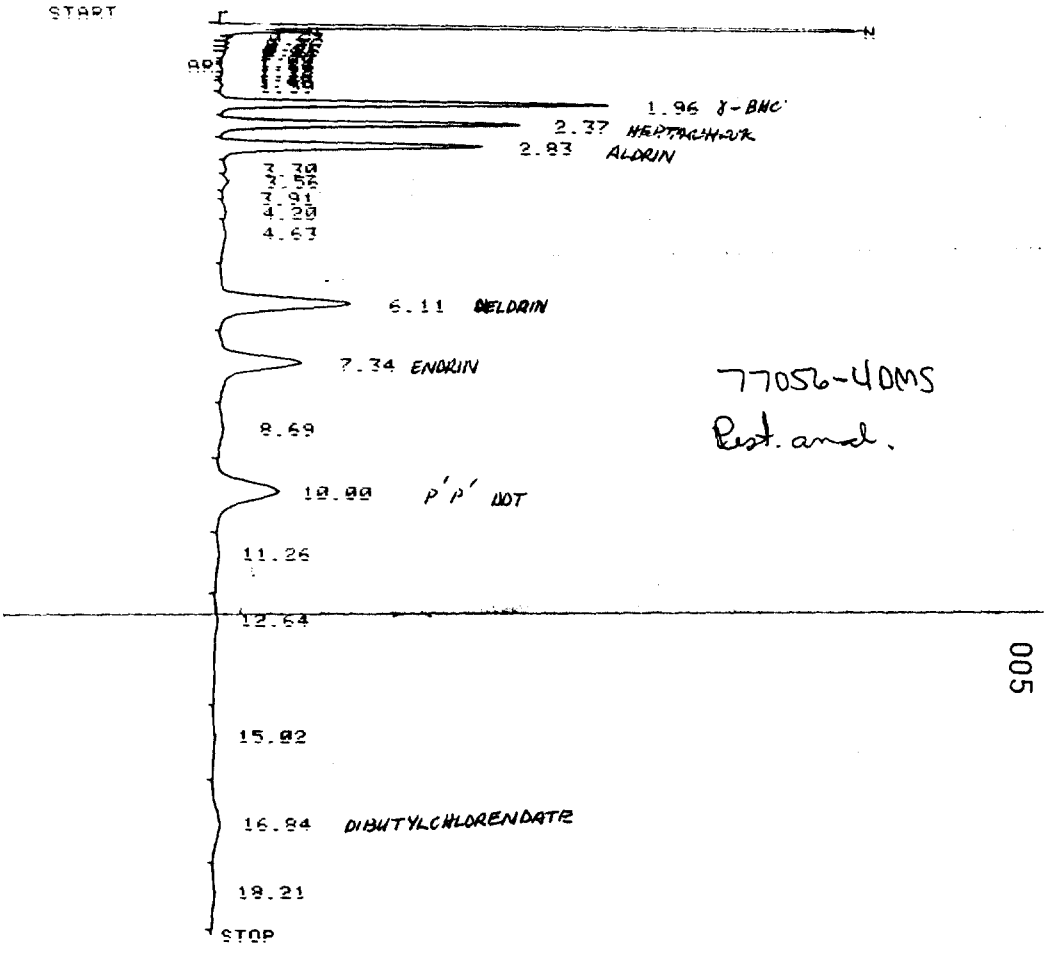


DUAL MASS SPECTRUM
03/06/84 15:00:00 + 28:55
SAMPLE: 77056-2DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN708 #1826 BASE M/E: 244/ 244
CALI: EPABN708 #1 RIC: 8303./ 12031.



77056-4 D.M.S




77056-4DMS
Rest. and.

005

HP RUN # 410
BOTTLE 35
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.28 | 11670 | 0.222 |
| 1.36 | 6205 | 0.118 |
| 1.48 | 4015 | 0.076 |
| 1.59 | 14570 | 0.278 |
| 1.96 | 848200 | 16.158 |
| 2.37 | 809600 | 15.423 |
| 2.83 | 807200 | 15.377 |
| 3.30 | 19800 | 0.377 |
| 3.56 | 28540 | 0.544 |
| 3.91 | 5377 | 0.102 |
| 4.20 | 30770 | 0.586 |
| 4.63 | 60030 | 1.144 |
| 6.11 | 842200 | 16.044 |
| 7.34 | 680400 | 12.961 |
| 8.69 | 100600 | 1.916 |
| 10.00 | 661000 | 12.592 |
| 11.26 | 68800 | 1.311 |
| 12.64 | 70000 | 1.333 |
| 15.02 | 28210 | 0.537 |
| 16.84 | 119800 | 2.282 |
| 18.21 | 32460 | 0.618 |

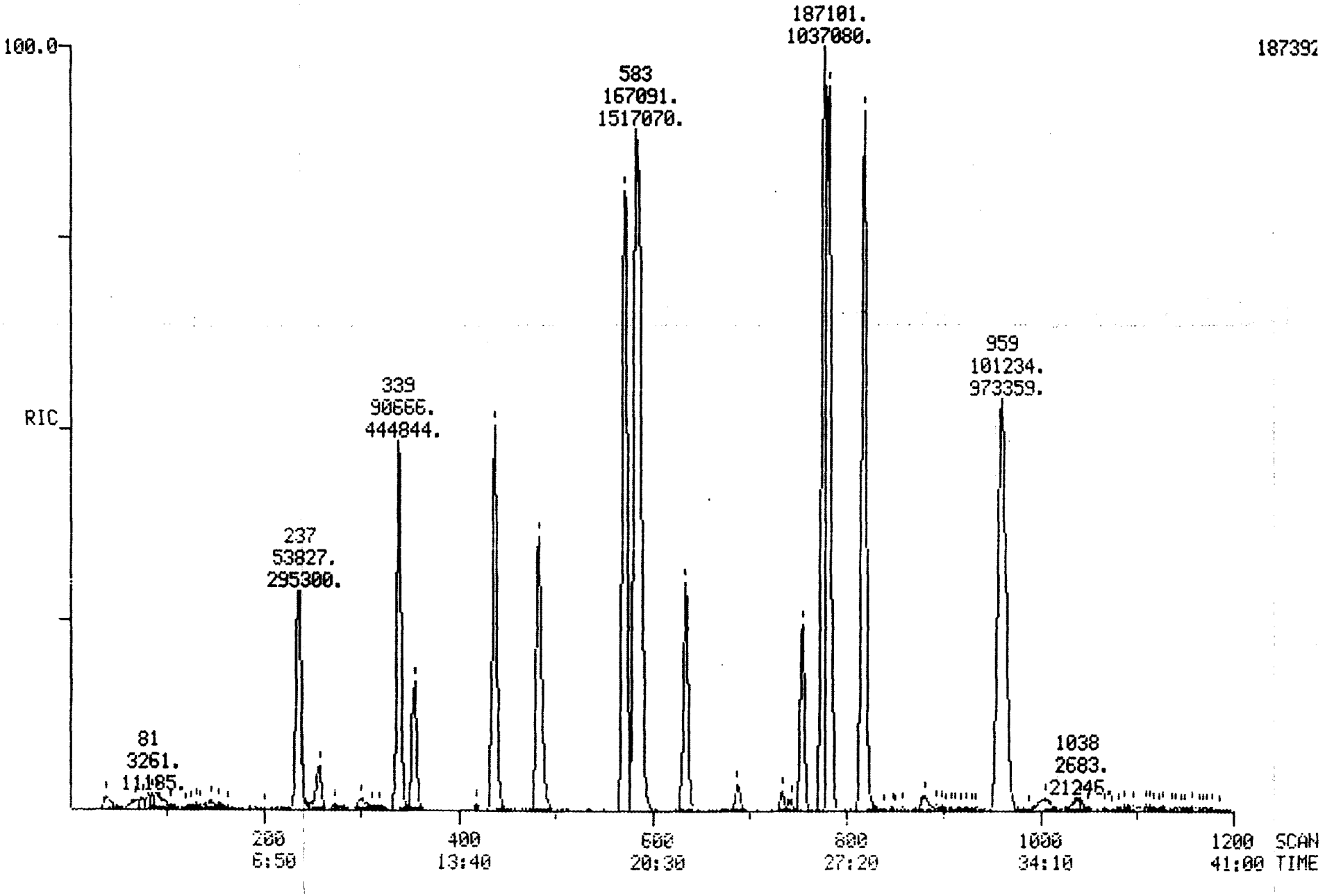
DIL FACTOR: 1.0000 E+ 0

ATTN 2+ 11
A 60.0 59.8
TEMP1 400 210 210

RIC
02/26/84 11:58:00
SAMPLE: 77056-1 MS
CONDS.:
RANGE: G 1,1200 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

DATA: EPAVOA871 #1
CALI: EPAVOA871 #1

SCANS 1 TO 1200



QUANTITATION REPORT  FILE: EPAVOA871

DATA: EPAVOA871.TI
02/26/84 11:58:00
SAMPLE: 77056-1 MS
SUBMITTED BY: EPA  ANALYST:

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

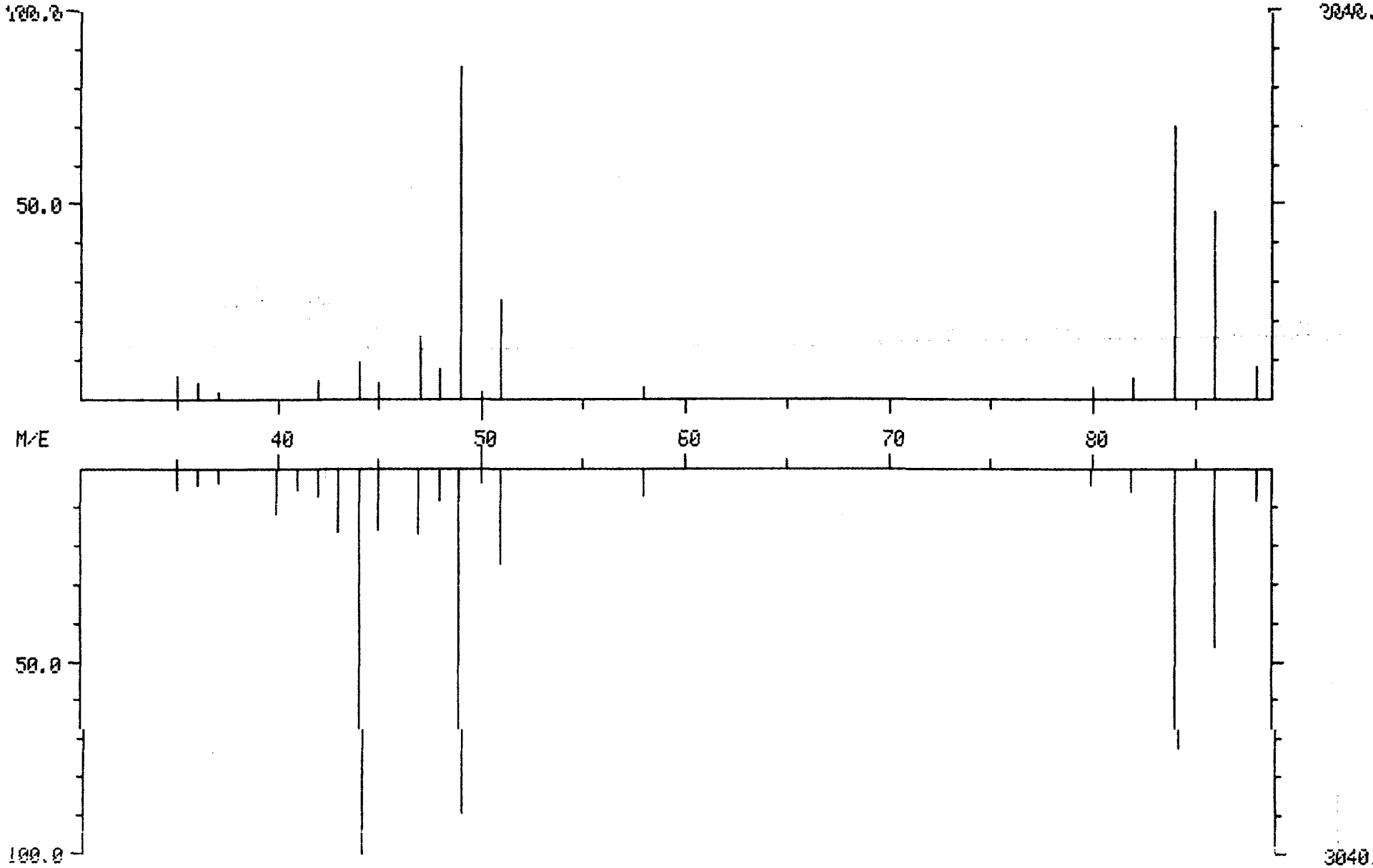
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1,1,2,2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 355 | 12:08 | 1 | 1.000 | A BB | 29969. | 50.000 UG/L | 4.37 |
| 2 | 77 | 634 | 21:40 | 2 | 1.000 | A BB | 101189. | 50.000 UG/L | 4.37 |
| 3 | 55 | 755 | 25:48 | 3 | 1.000 | A BB | 97222. | 50.000 UG/L | 4.37 |
| 4 | NOT FOUND | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | 84 | 258 | 8:49 | 1 | 0.727 | A BB | 11415. | 5.767 UG/L | 0.50 |
| 9 | NOT FOUND | | | | | | | | |
| 10 | 53 | 300 | 10:15 | 1 | 0.845 | A BV | 14178. | 65.316 UG/L | 5.71 |
| 11 | 61 | 339 | 11:35 | 1 | 0.955 | A BB | 168313. | 74.116 UG/L | 6.48 |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 83 | 418 | 14:17 | 1 | 1.177 | A BB | 2055. | 0.598 UG/L | 0.05 |
| 15 | 62 | 440 | 15:02 | 1 | 1.239 | A BB | 2517. | 1.013 UG/L | 0.09 |
| 16 | 97 | 482 | 16:28 | 1 | 1.358 | A BB | 1597. | 0.550 UG/L | 0.05 |
| 17 | 58 | 273 | 9:20 | 1 | 0.769 | A BV | 1616. | 20.095 UG/L | 1.76 |
| 18 | NOT FOUND | | | | | | | | |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | 95 | 571 | 19:31 | 2 | 0.901 | A BB | 161019. | 73.803 UG/L | 6.45 |
| 24 | 78 | 587 | 20:03 | 2 | 0.926 | A BB | 325100. | 91.611 UG/L | 8.00 |
| 25 | NOT FOUND | | | | | | | | |
| 26 | 83 | 596 | 20:22 | 2 | 0.940 | A BB | 1309. | 1.132 UG/L | 0.10 |
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | 173 | 676 | 23:06 | 2 | 1.066 | A BB | 560. | 0.912 UG/L | 0.08 |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 72 | 437 | 14:56 | 2 | 0.689 | A BB | 2154. | 22.395 | UG/L | 1.96 |
| 31 | NOT | FOUND | | | | | | | | |
| 32 | 43 | 688 | 23:30 | 2 | 1.085 | A BB | 13107. | 16.105 | UG/L | 1.41 |
| 33 | 65 | 437 | 14:56 | 2 | 0.689 | A BB | 206317. | 101.439 | UG/L | 8.86 |
| 34 | 84 | 582 | 19:53 | 2 | 0.918 | A VB | 383164. | 101.363 | UG/L | 8.86 |
| 35 | NOT | FOUND | | | | | | | | |
| 36 | NOT | FOUND | | | | | | | | |
| 37 | NOT | FOUND | | | | | | | | |
| 38 | 166 | 742 | 25:21 | 3 | 0.983 | A BB | 1429. | 0.884 | UG/L | 0.08 |
| 39 | 83 | 745 | 25:27 | 3 | 0.987 | A BB | 4540. | 4.692 | UG/L | 0.41 |
| 40 | 91 | 782 | 26:43 | 3 | 1.036 | A BB | 383180. | 90.706 | UG/L | 7.93 |
| 41 | 112 | 818 | 27:57 | 3 | 1.083 | A BB | 293249. | 93.808 | UG/L | 8.20 |
| 42 | 91 | 880 | 30:04 | 3 | 1.166 | A BB | 10171. | 2.005 | UG/L | 0.18 |
| 43 | 43 | 734 | 25:05 | 3 | 0.972 | A BB | 11299. | 21.395 | UG/L | 1.87 |
| 44 | 104 | 1002 | 34:14 | 3 | 1.327 | A BV | 9102. | 3.572 | UG/L | 0.31 |
| 45 | 106 | 1041 | 35:34 | 3 | 1.379 | A BB | 3544. | 2.209 | UG/L | 0.19 |
| 46 | 98 | 776 | 26:31 | 3 | 1.028 | A BB | 369173. | 95.308 | UG/L | 8.33 |
| 47 | NOT | FOUND | | | | | | | | |
| 48 | NOT | FOUND | | | | | | | | |
| 49 | 83 | 745 | 25:27 | 3 | 0.987 | A BB | 4540. | 4.692 | UG/L | 0.41 |
| 50 | 95 | 959 | 32:46 | 3 | 1.270 | A BB | 234089. | 99.093 | UG/L | 8.66 |

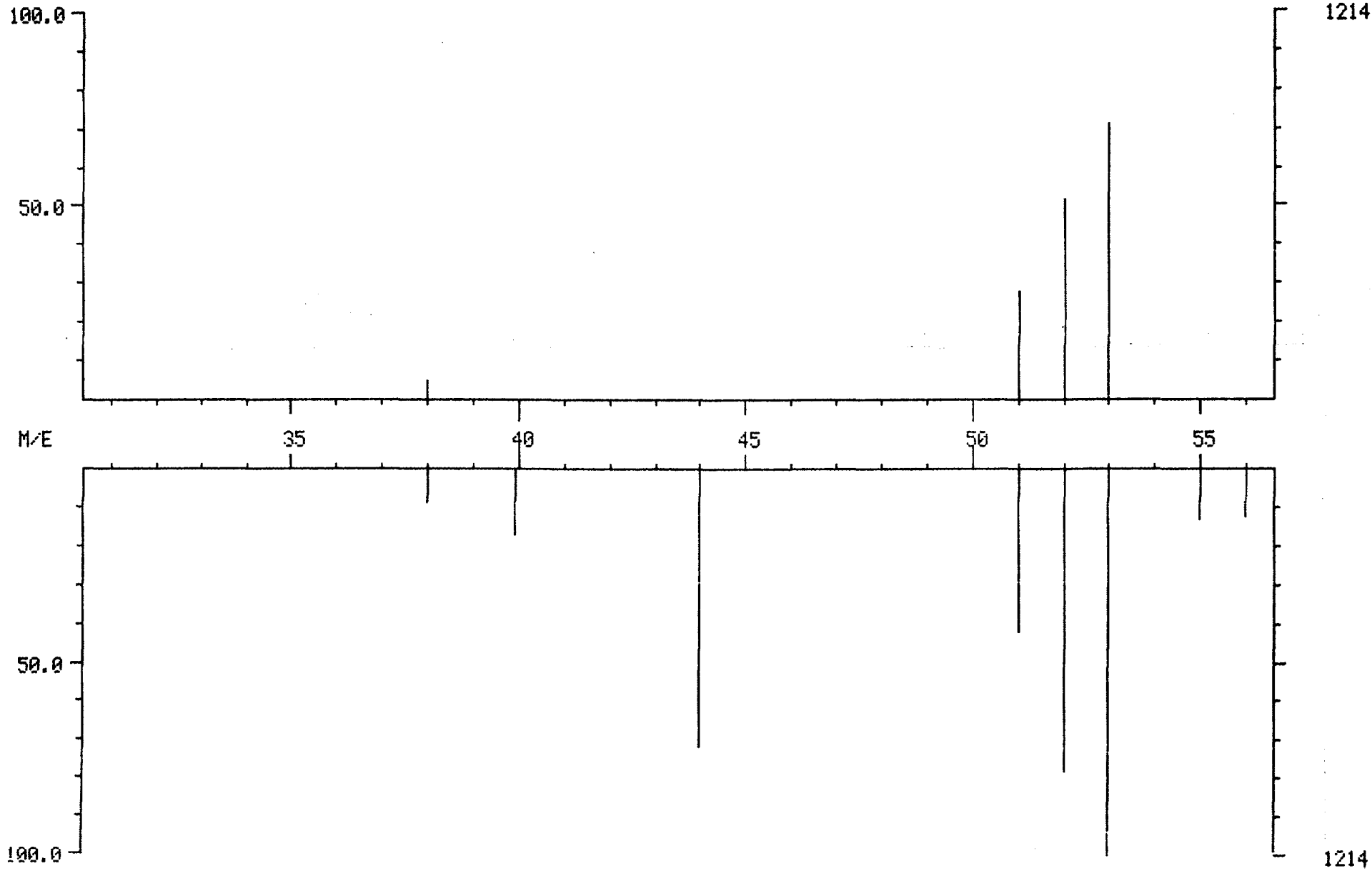
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 8:49
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #258 BASE M/E: 49/ 44
CALI: EPAVOA871 #1 RIC: 9231./ 13887.



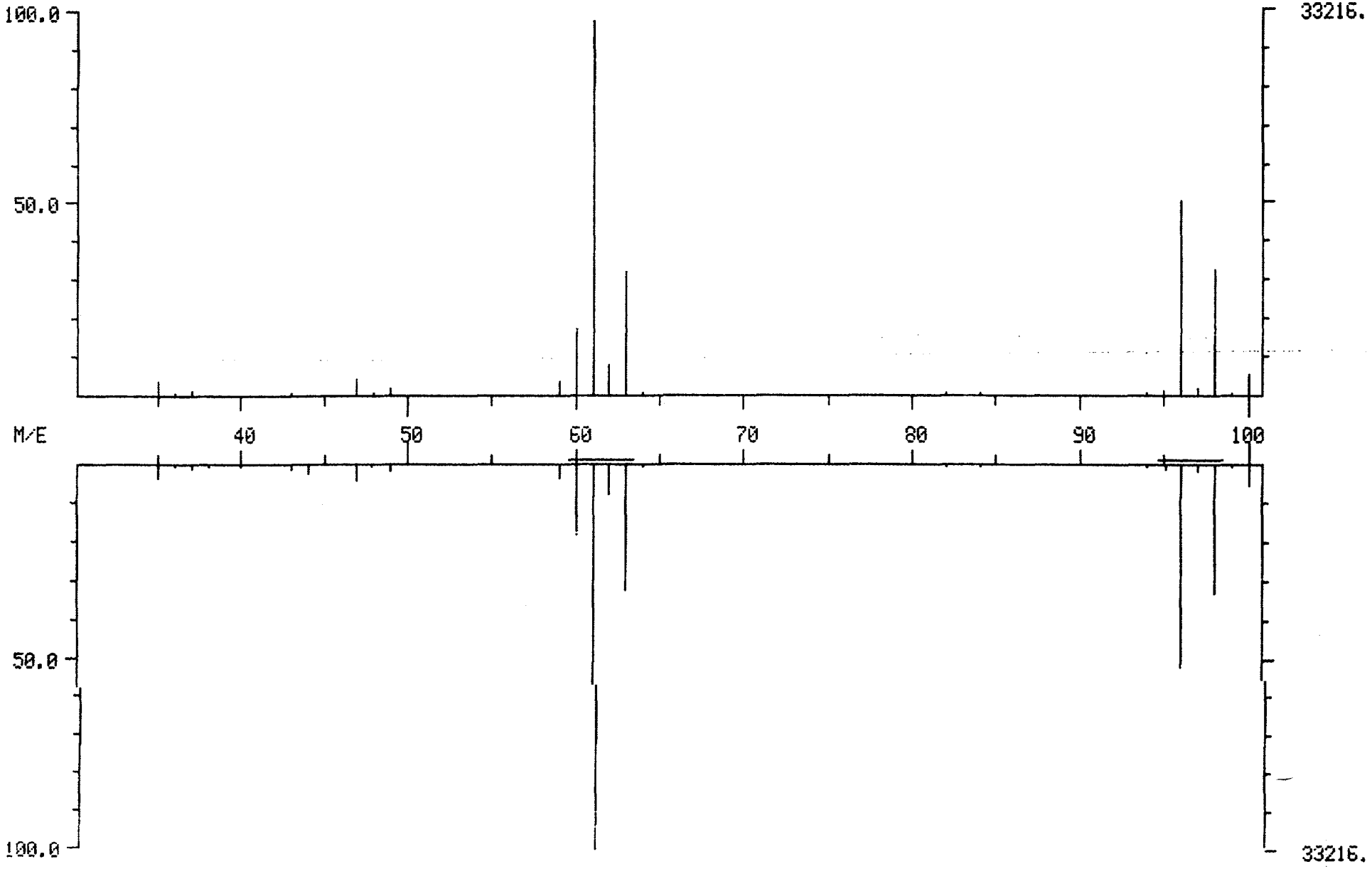
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 10:15
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #300 BASE M/E: 53/ 53
CALI: EPAVOA871 #1 RIC: 1879./ 4167.



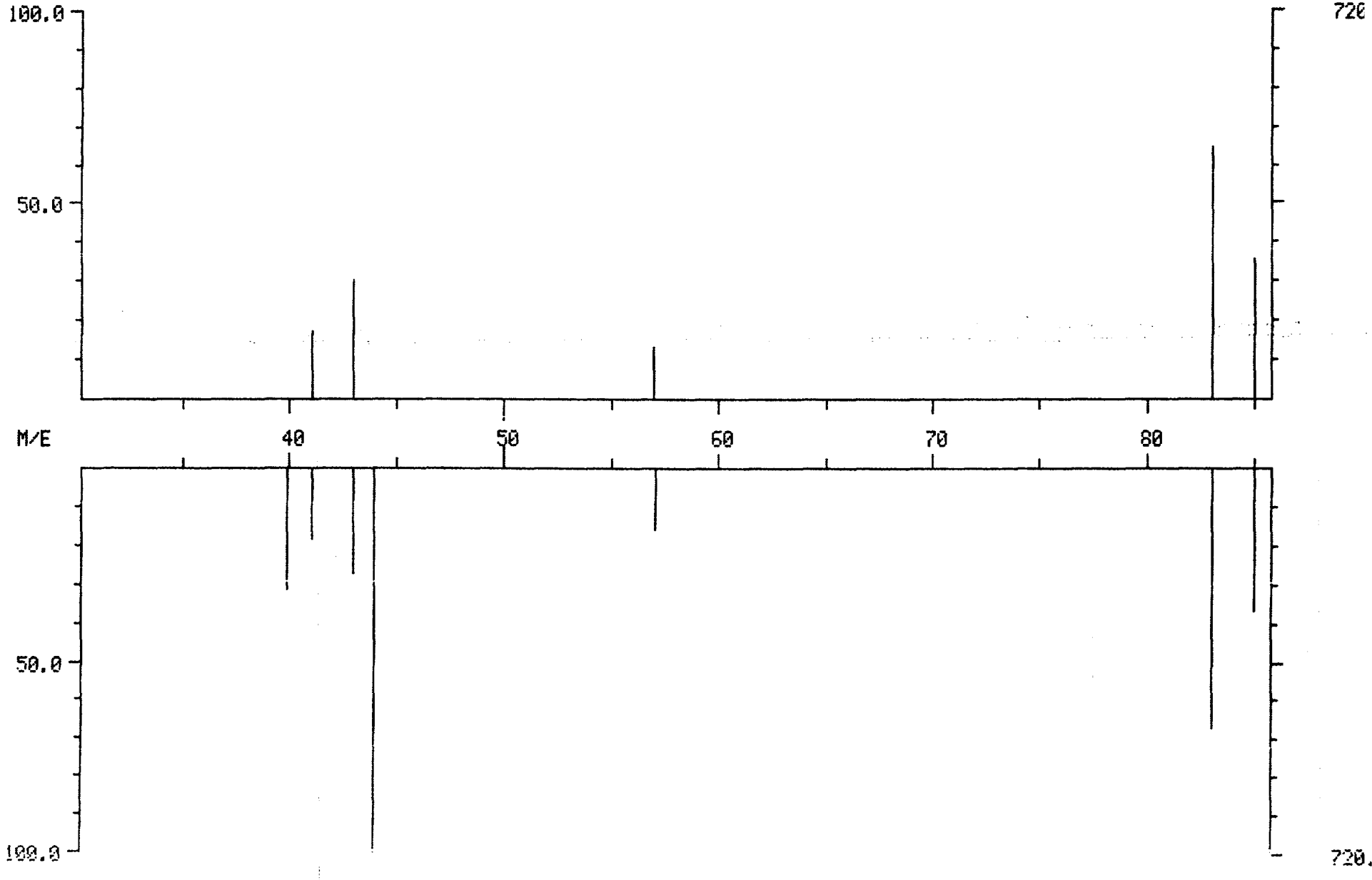
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 11:35
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #339 BASE M/E: 61/ 61
CALI: EPAVOA871 #1 RIC: 87935./ 92031.



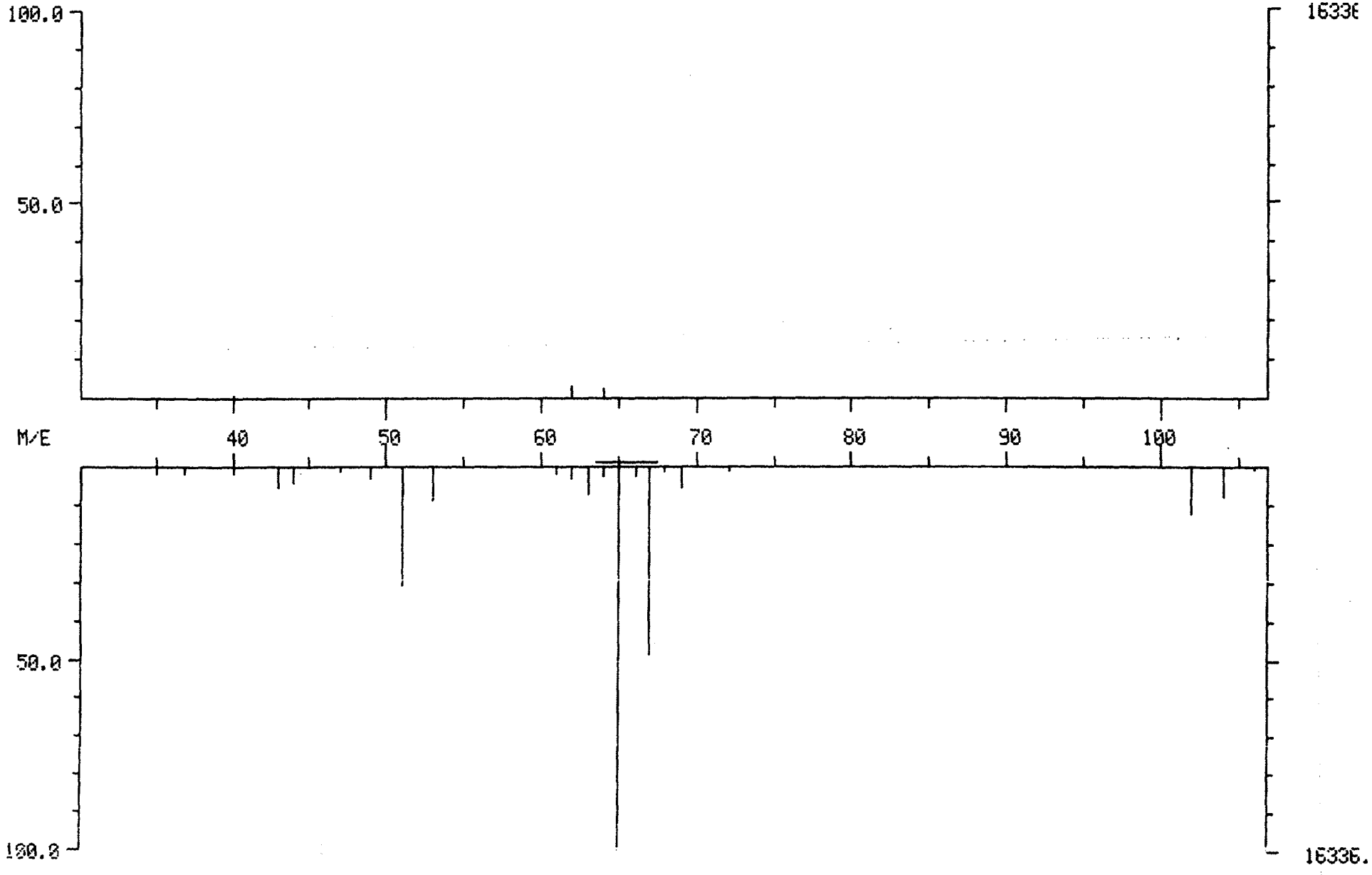
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 14:17
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #418 BASE M/E: 83/ 44
CALI: EPAVOA871 #1 RIC: 1149./ 2139.



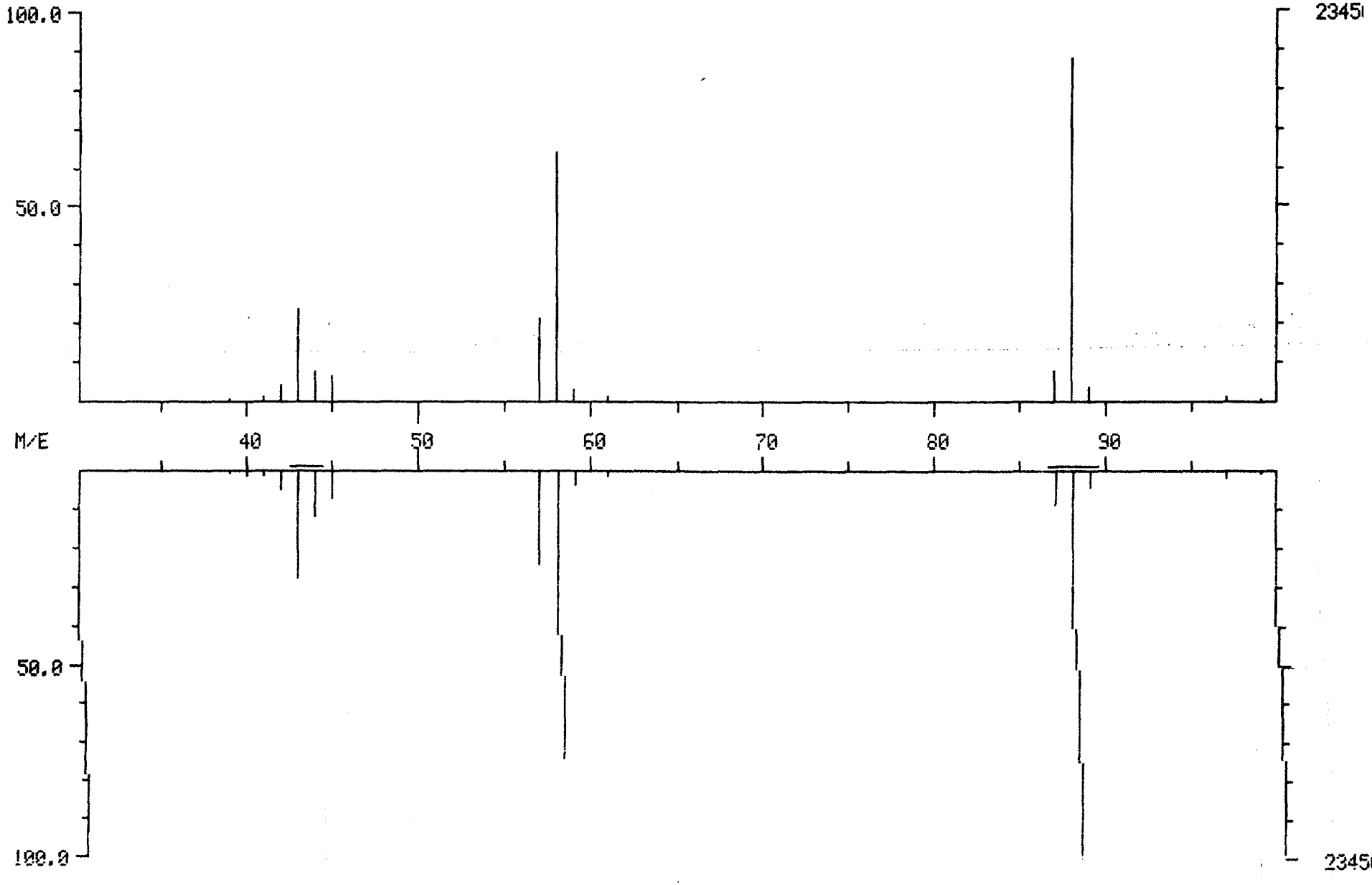
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 15:02
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #440 BASE M/E: 62/ 65
CALI: EPAVOA871 #1 RIC: 985./ 41279.



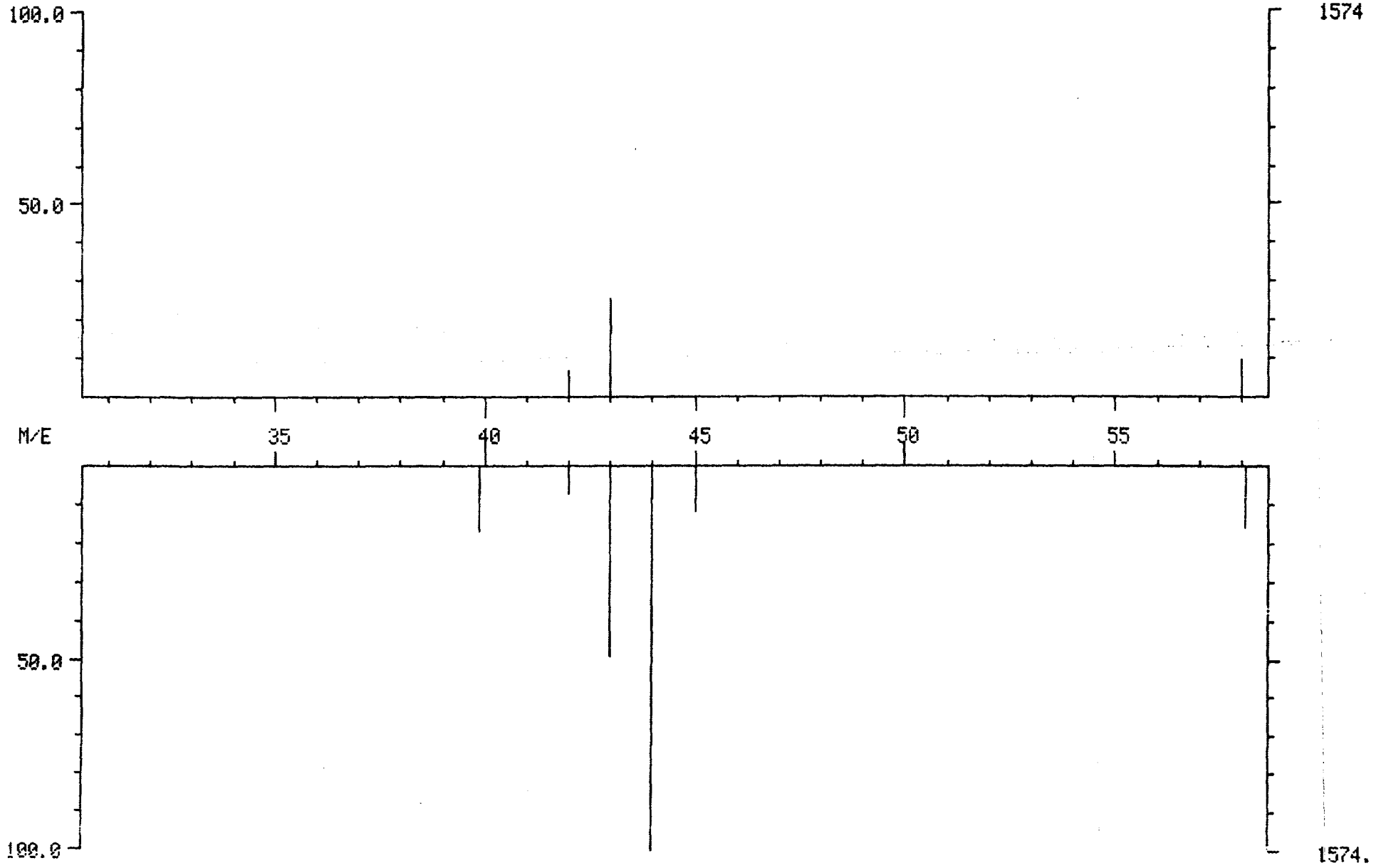
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 16:28
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #482 BASE M/E: 88/ 88
CALI: EPAVOA871 #1 RIC: 55039./ 63935.



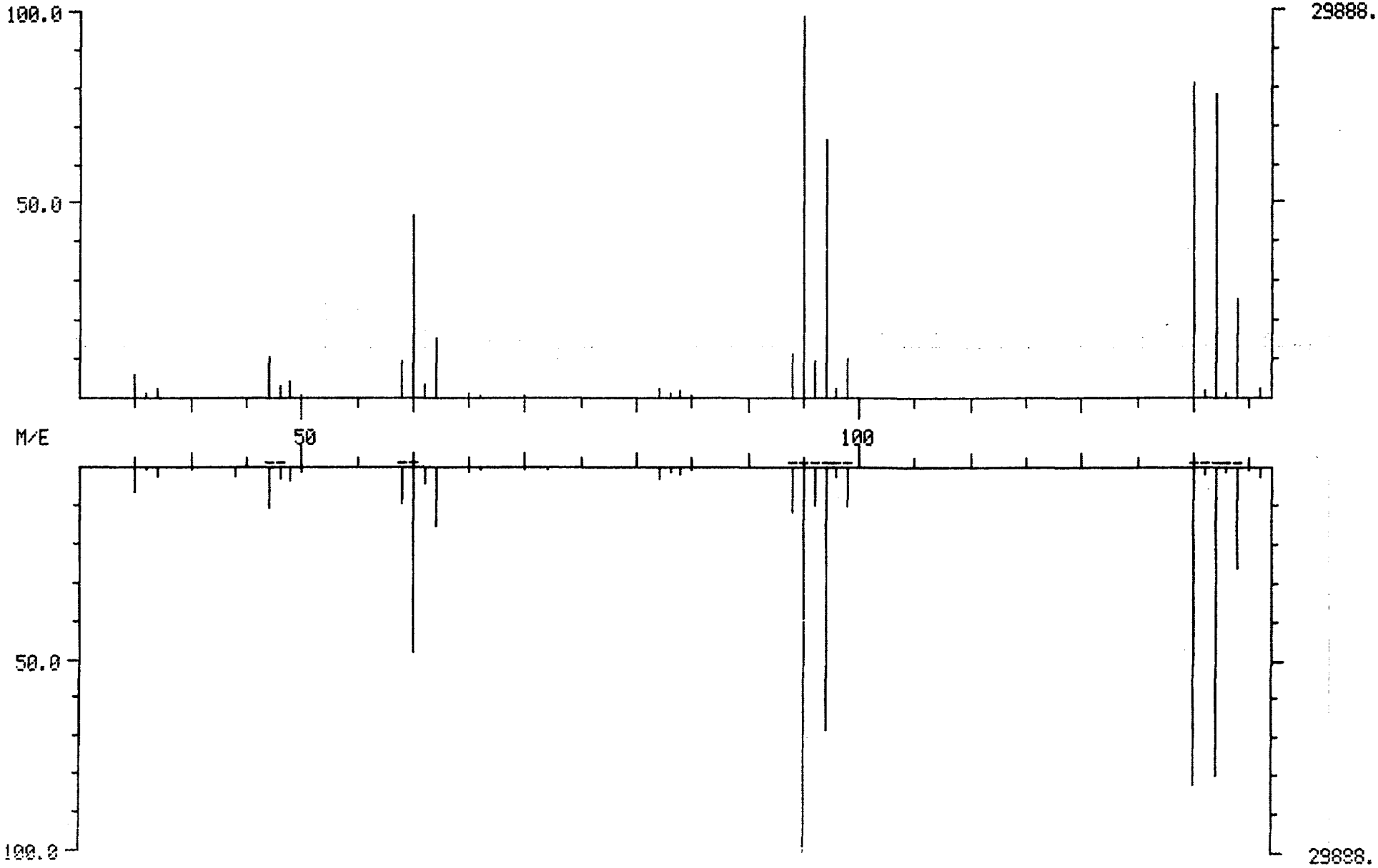
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 9:20
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #273 BASE M/E: 43/ 44
CALI: EPAVOA871 #1 RIC: 659./ 3179.



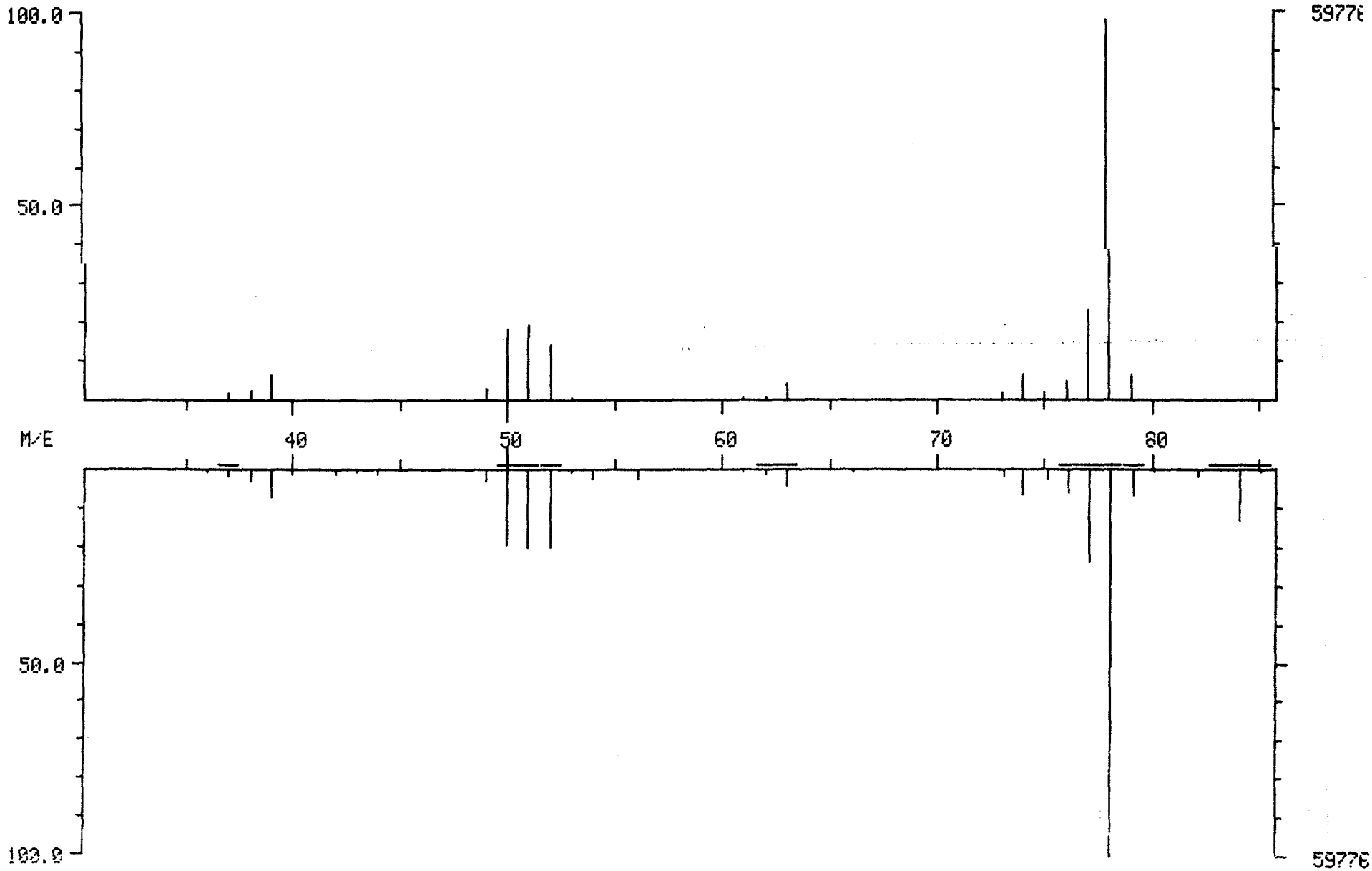
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 19:31
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #571 BASE M/E: 95/ 95
CALI: EPAVOA871 #1 RIC: 149247./ 153343.



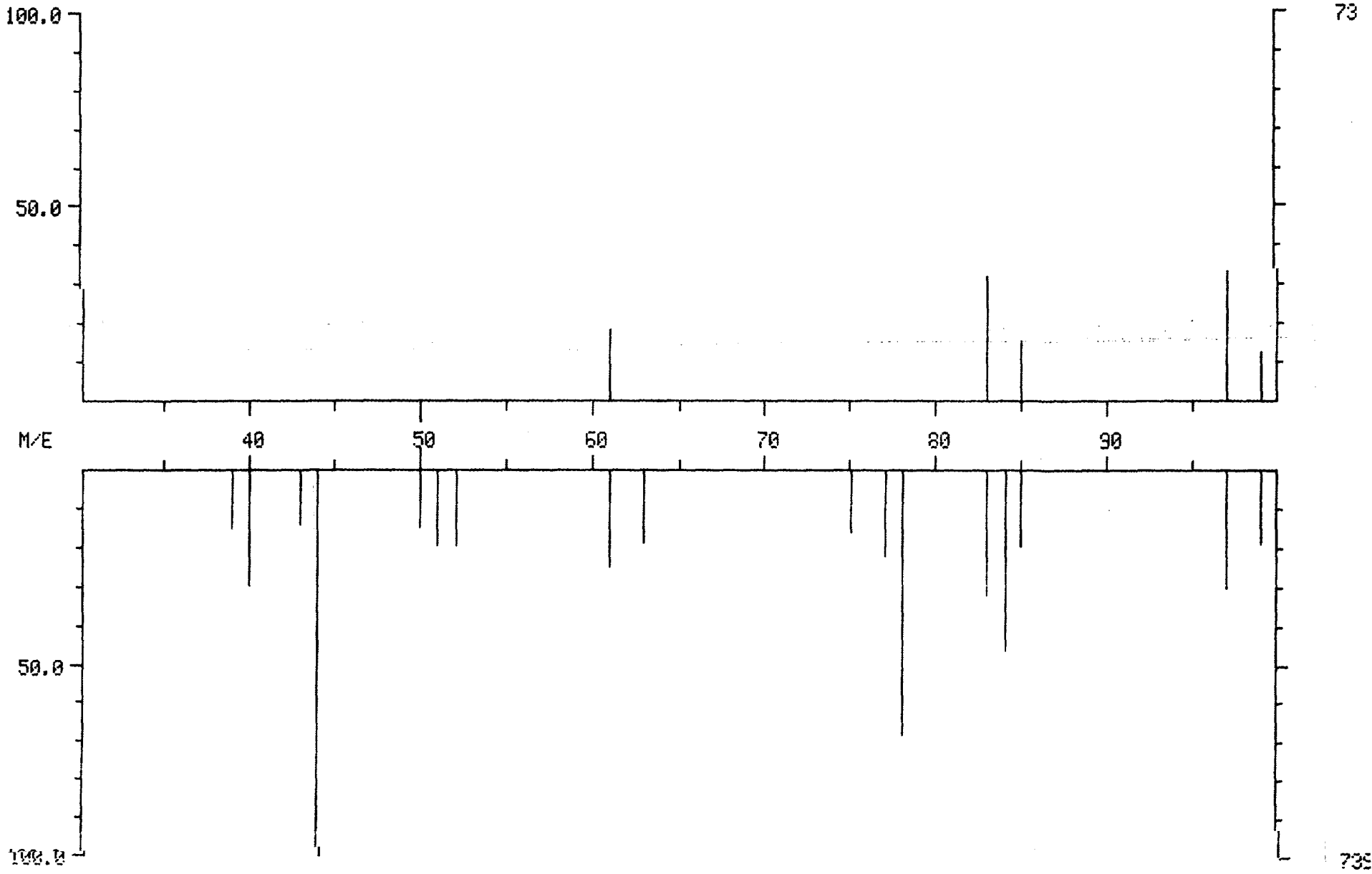
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 20:03
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #587 BASE M/E: 78/ 78
CALI: EPAVOA871 #1 RIC: 127999./ 152063.



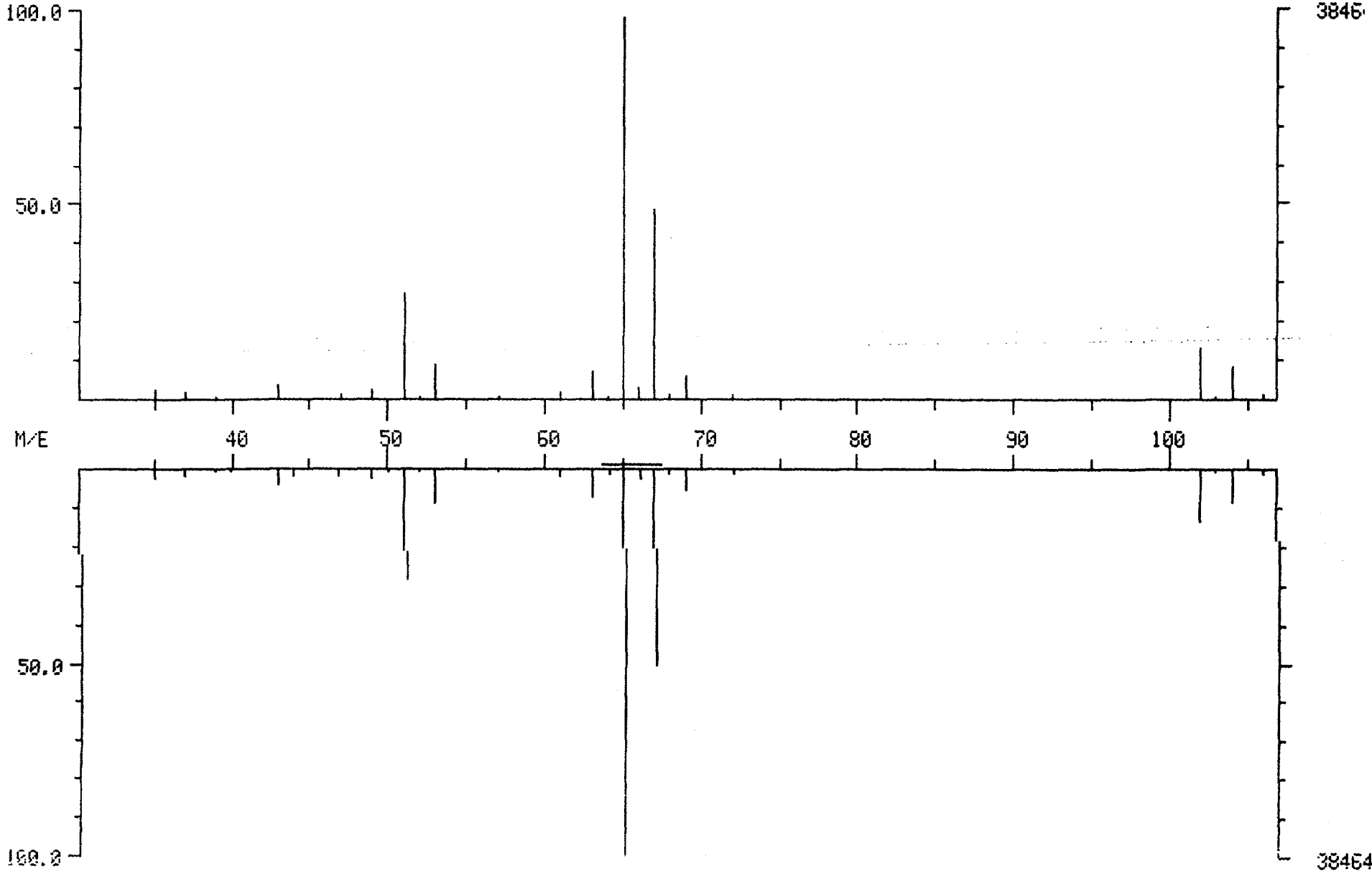
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 20:22
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #596 BASE M/E: 97/ 44
CALI: EPAVOA871 #1 RIC: 824./ 3771.



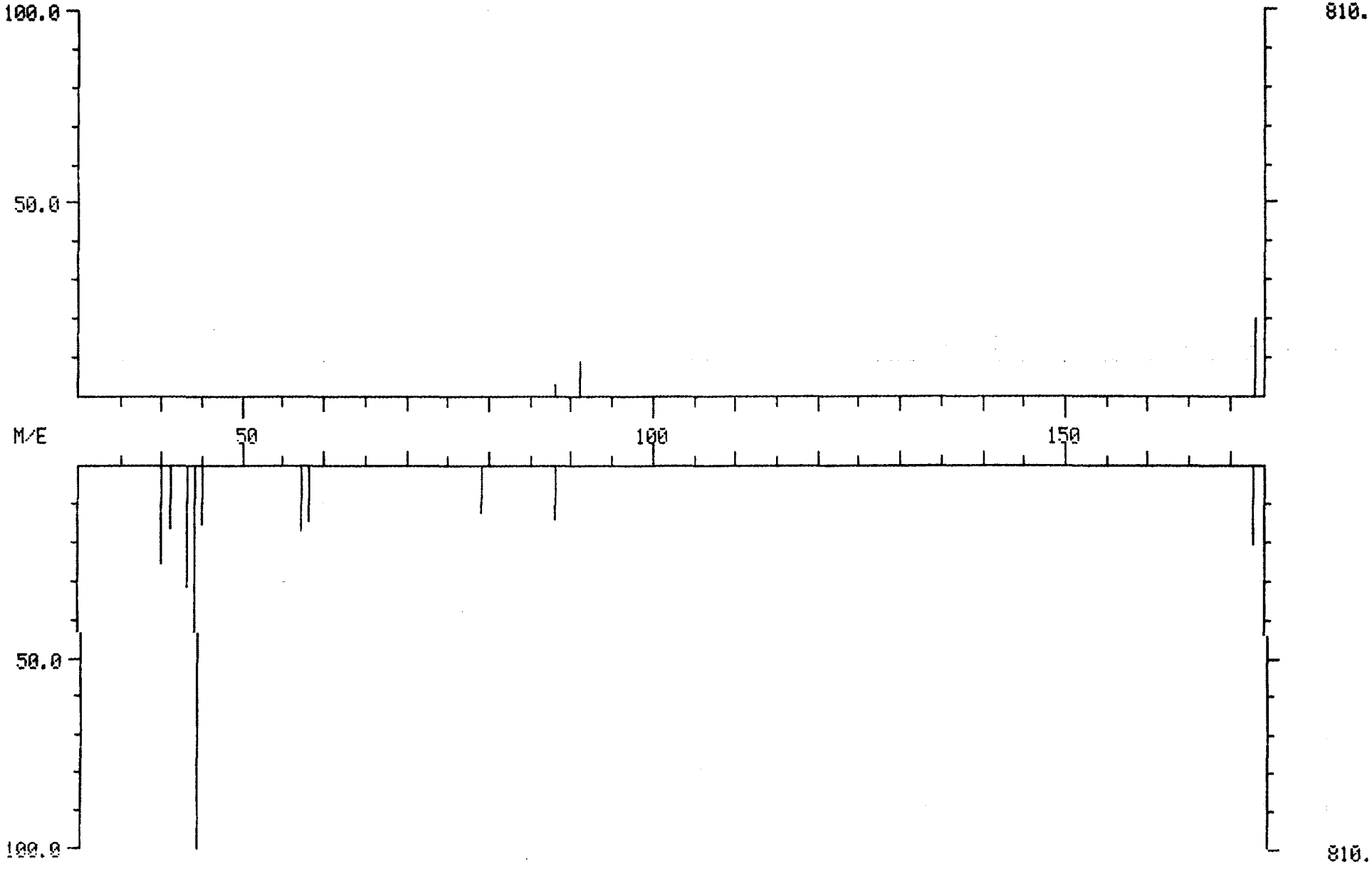
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 14:56
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #437 BASE M/E: 65/ 65
CALI: EPAVOA871 #1 RIC: 91903./ 95871.



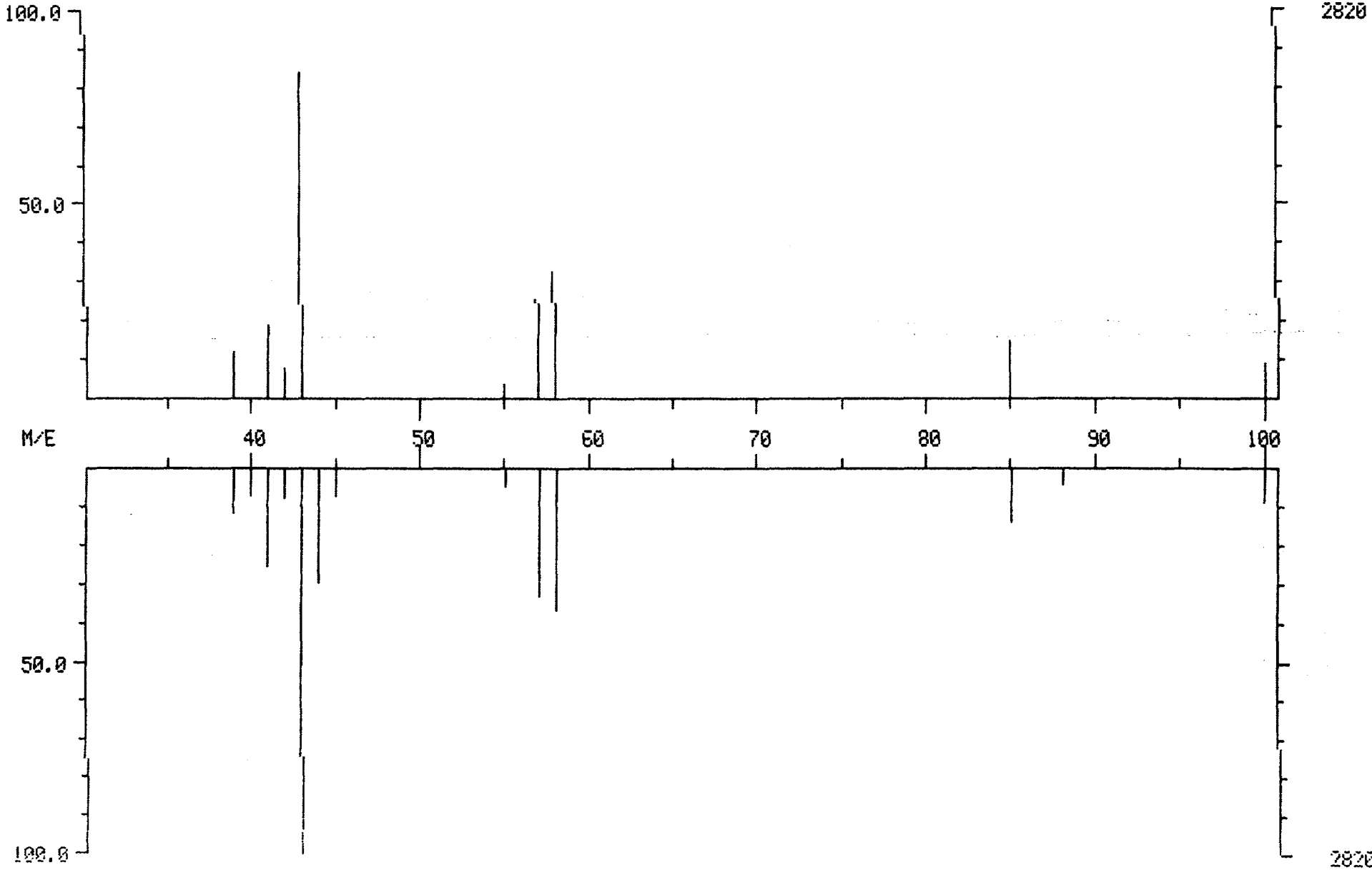
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 23:06
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #676 BASE M/E: 173/ 44
CALI: EPAVOA871 #1 RIC: 260./ 2171.



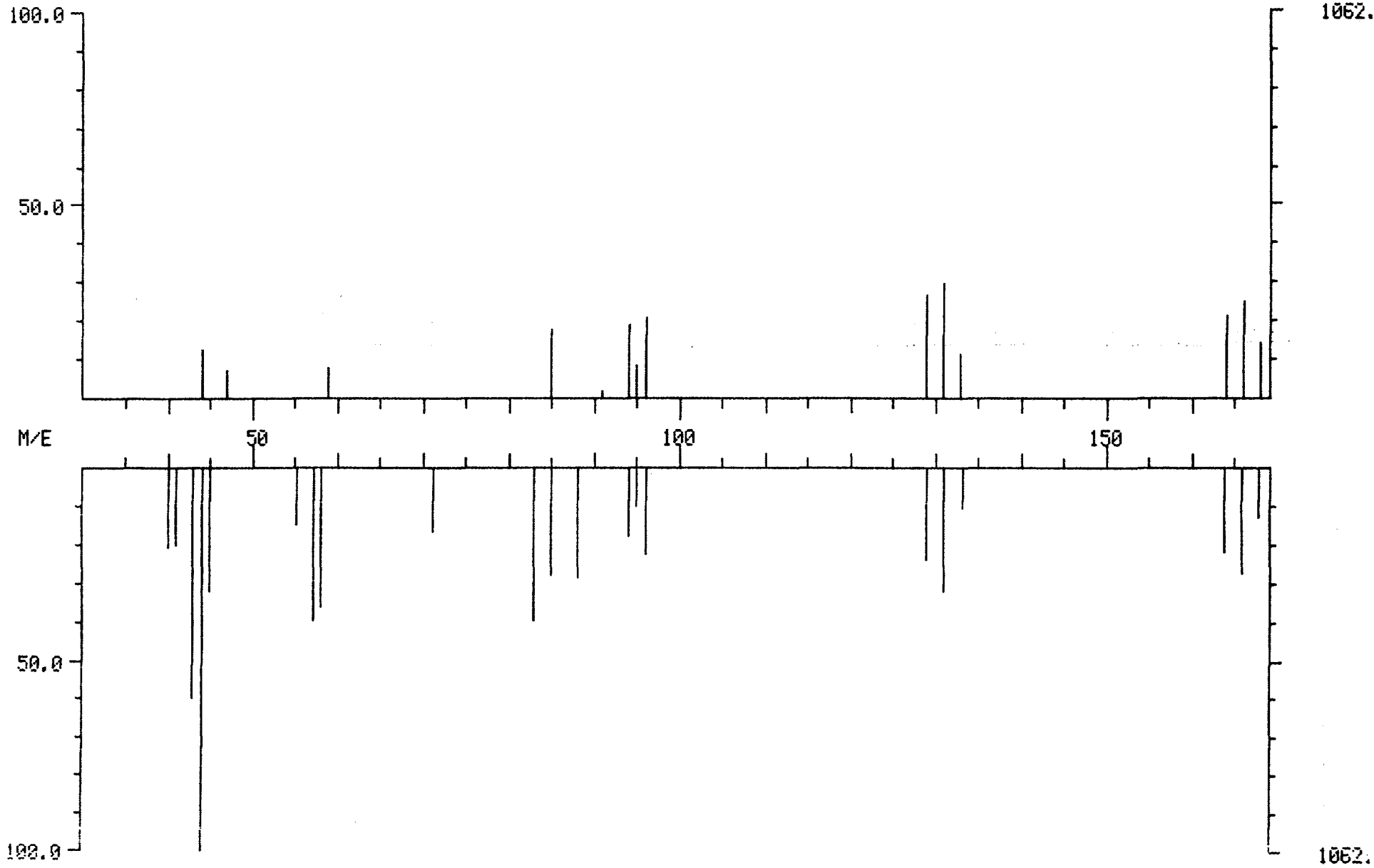
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 23:30
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #688 BASE M/E: 43/ 43
CALI: EPAVOA871 #1 RIC: 5863./ 8223.



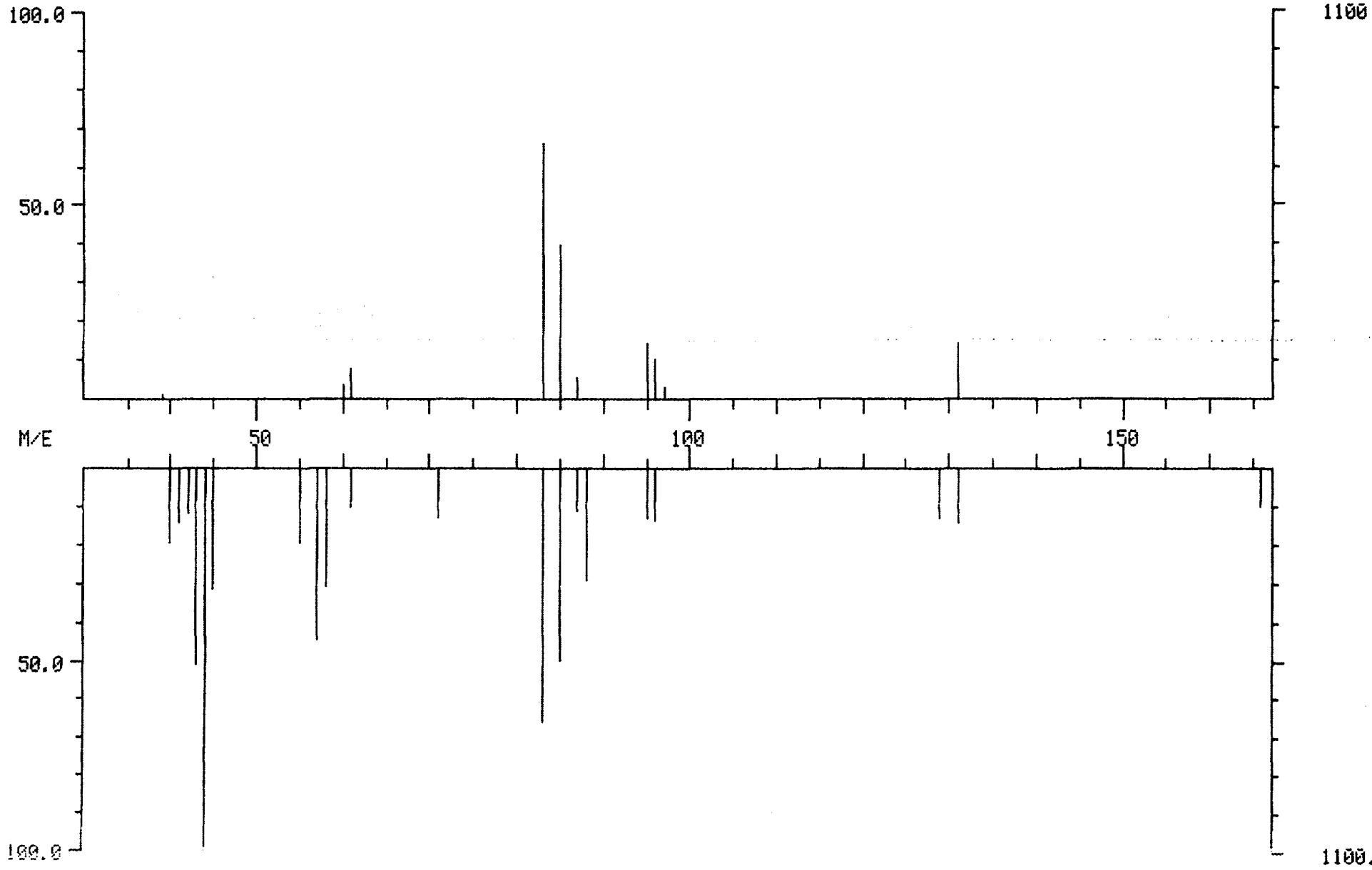
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 25:21
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #742 BASE M/E: 131/ 44
CALI: EPAVOA871 #1 RIC: 2363./ 6519.



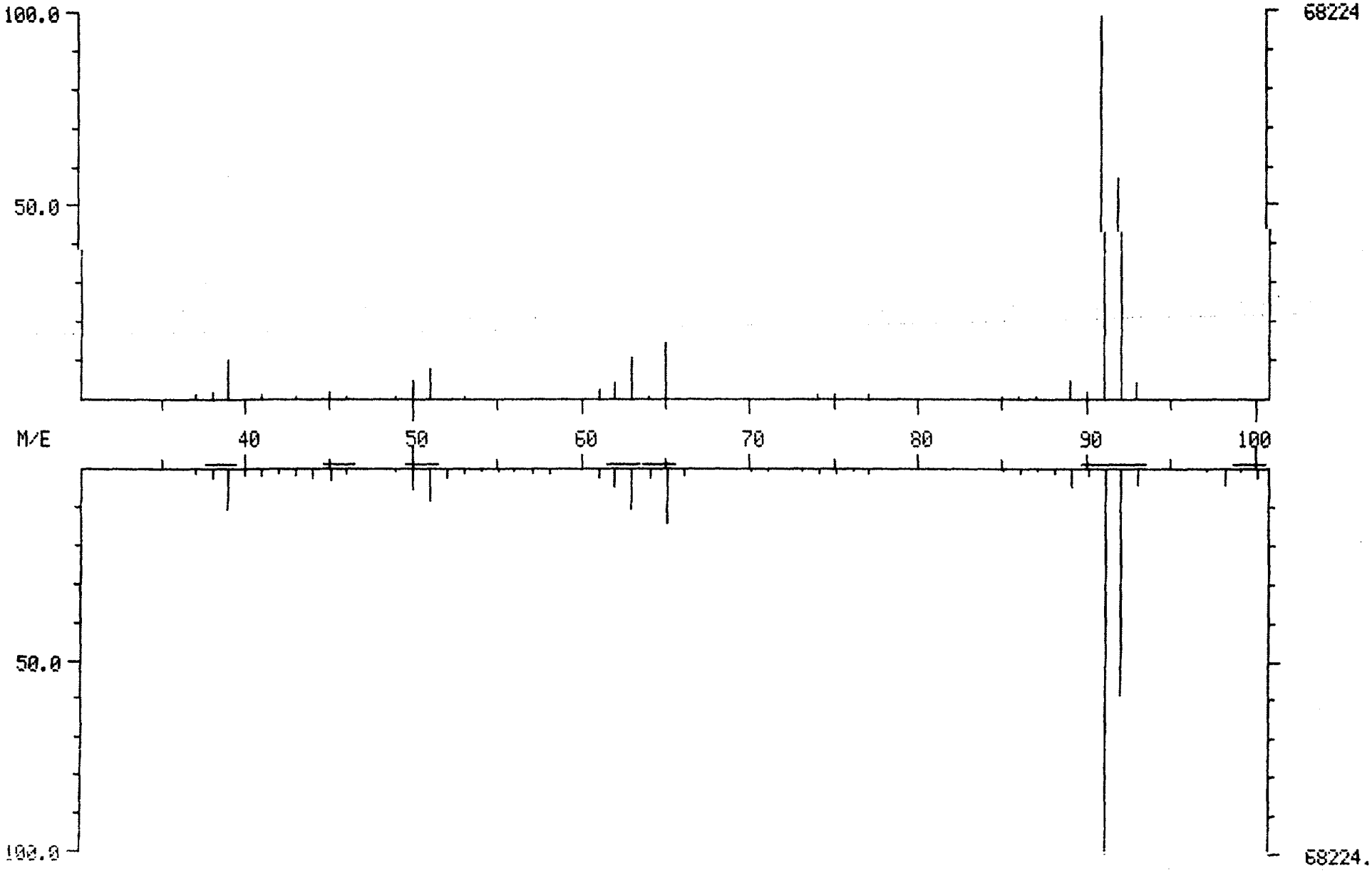
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 25:27
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #745 BASE M/E: 83/ 44
CALI: EPAVOA871 #1 RIC: 1819./ 6231.



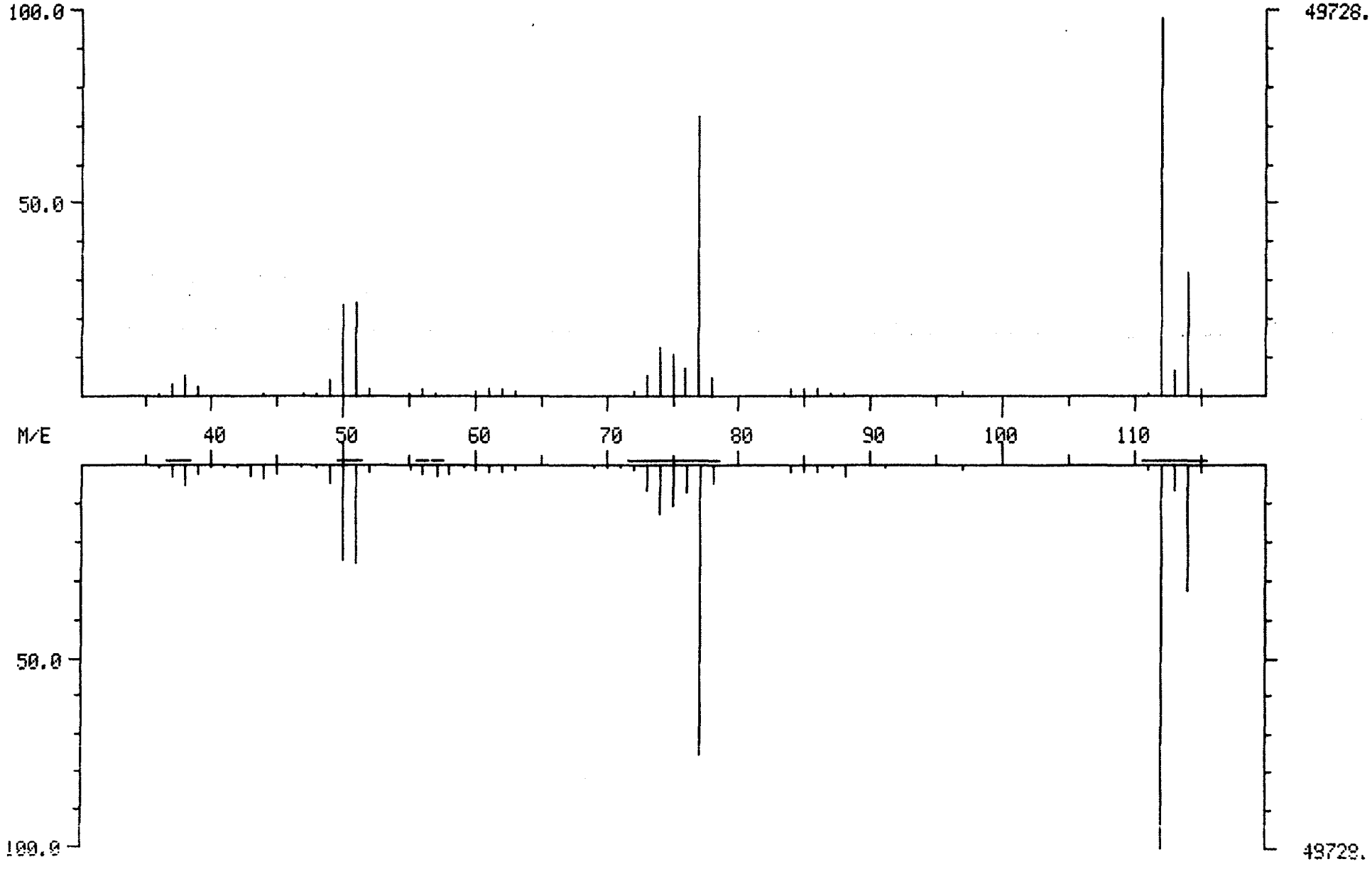
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 26:43
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #782 BASE M/E: 91/ 91
CALI: EPAVOA871 #1 RIC: 159487./ 185855.



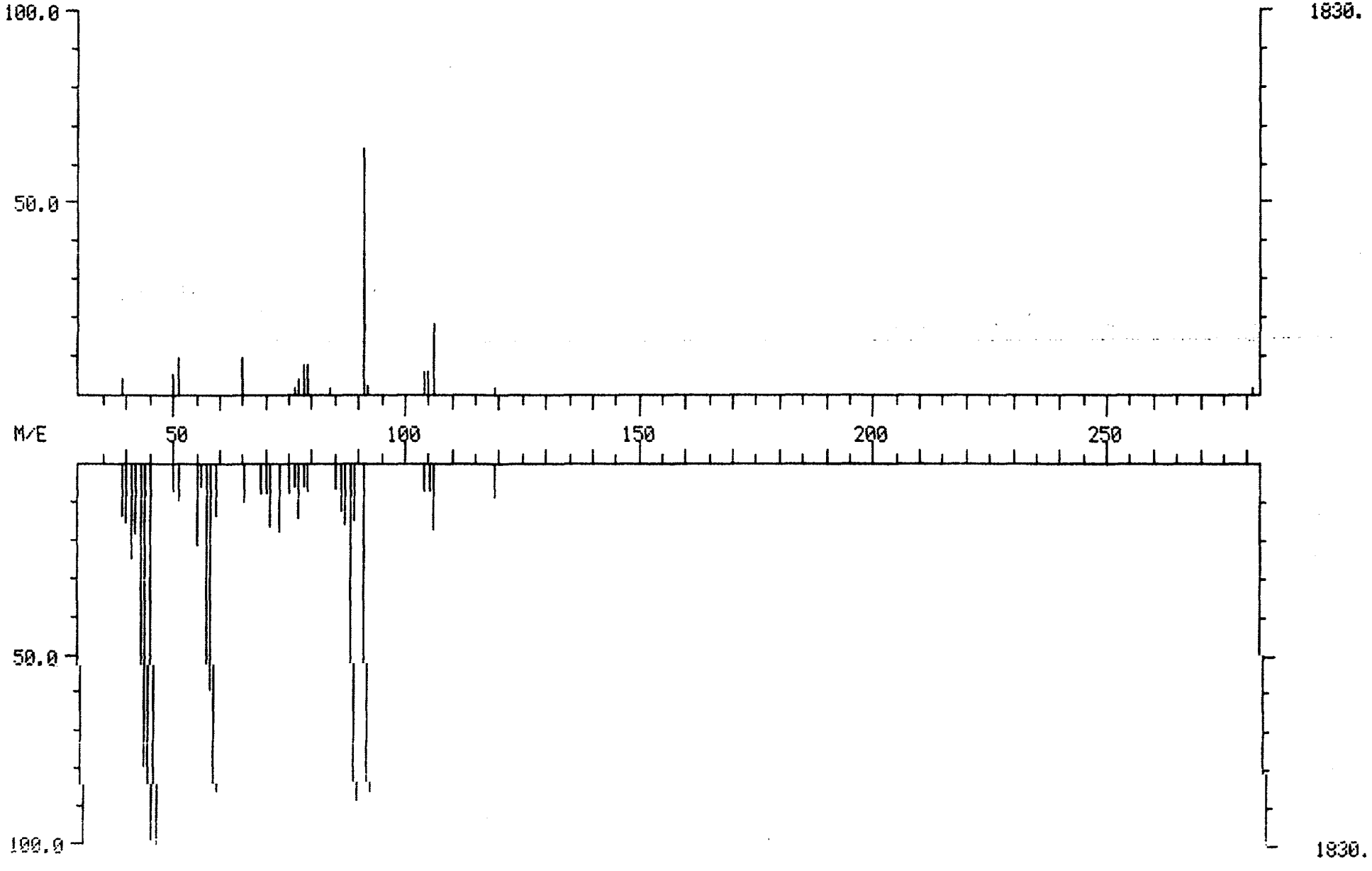
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 27:57
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (5 15B 2N 0T)

DATA: EPAVOA871 #818 BASE M/E: 112/ 112
CALI: EPAVOA871 #1 RIC: 166655./ 182271.



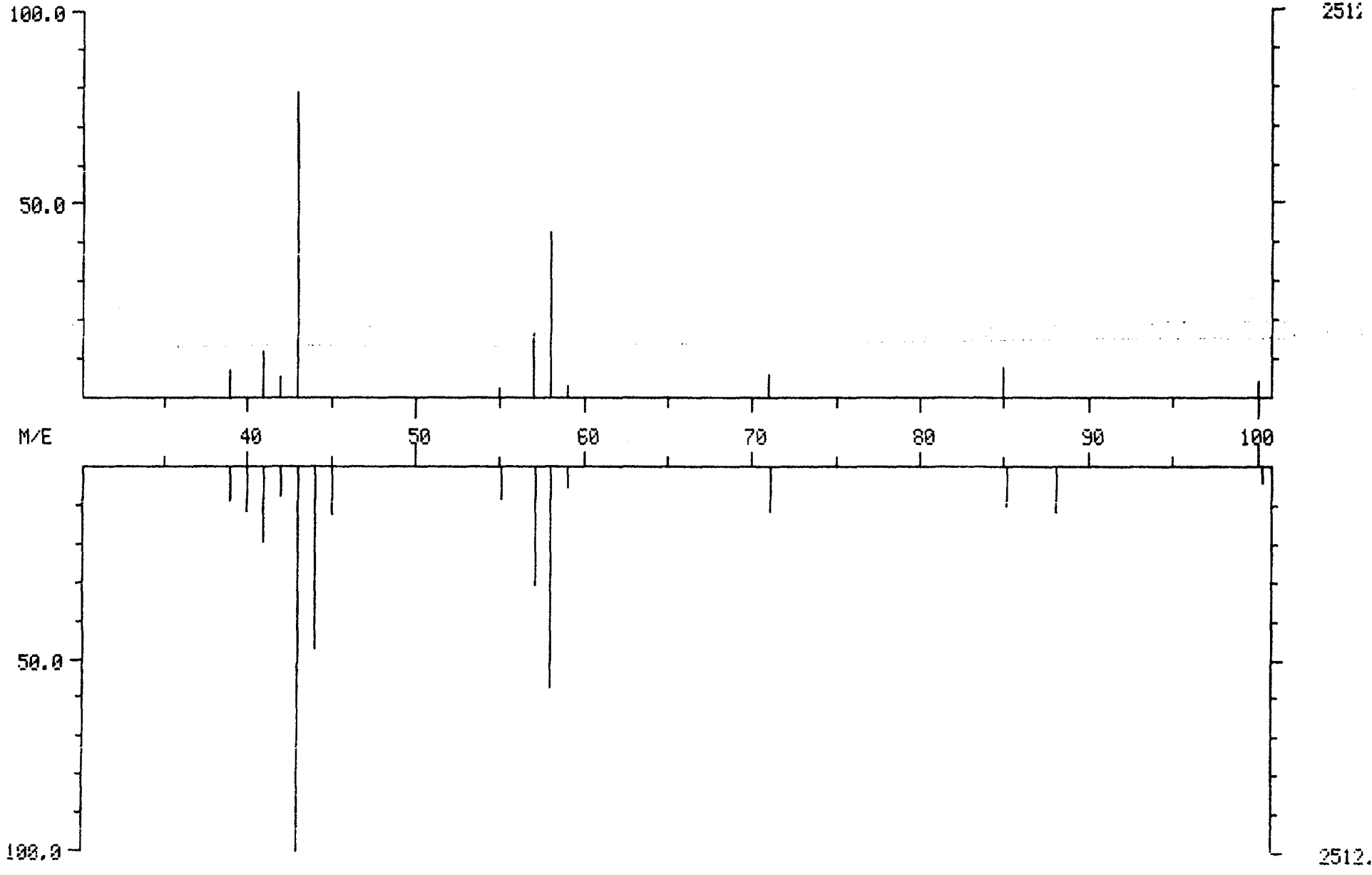
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 30:04
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #880 BASE M/E: 91/ 45
CALI: EPAVOA871 #1 RIC: 2799./ 16799.



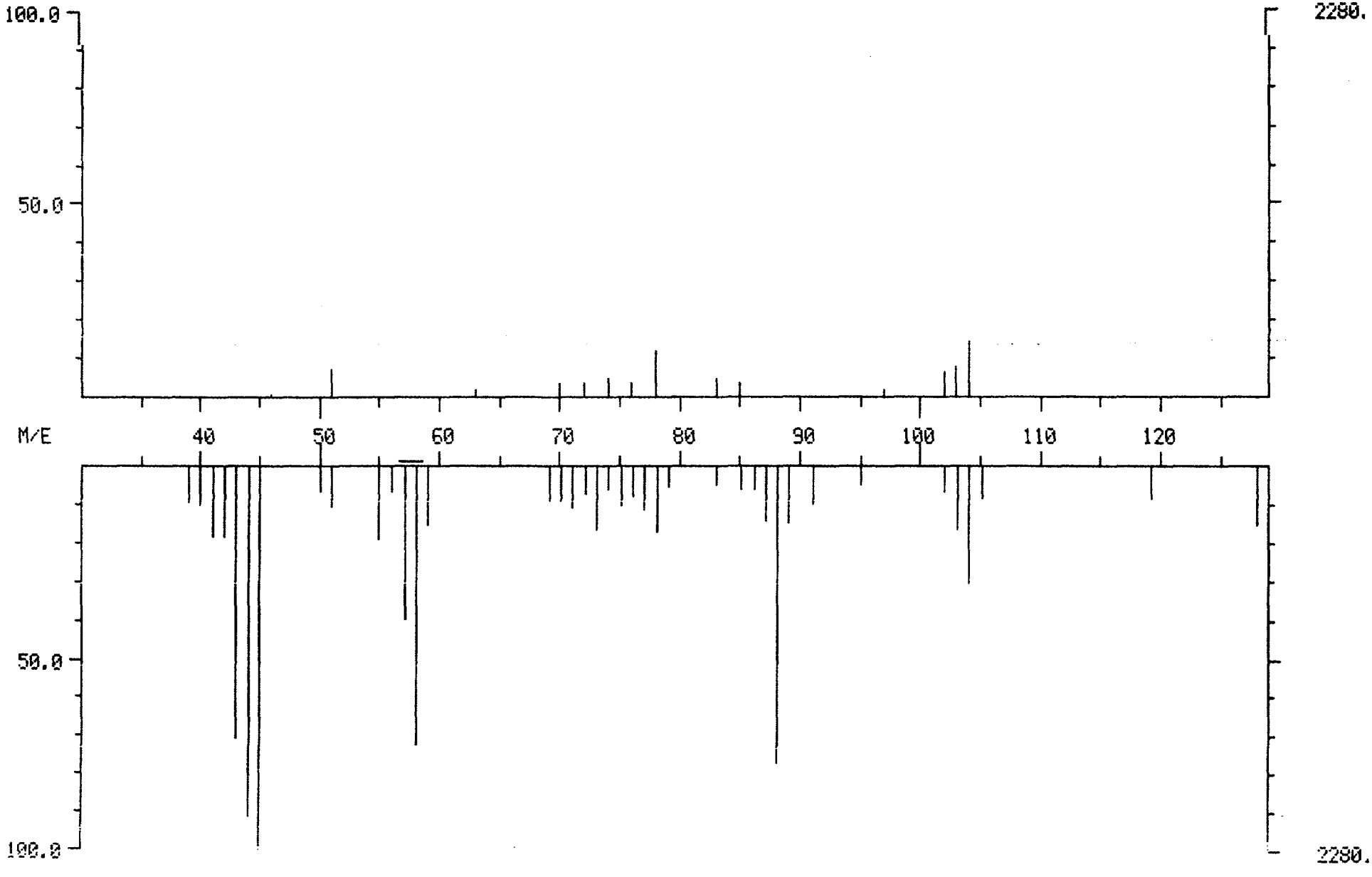
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 25:05
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #734 BASE M/E: 43/ 43
CALI: EPAVOA871 #1 RIC: 4655./ 8735.



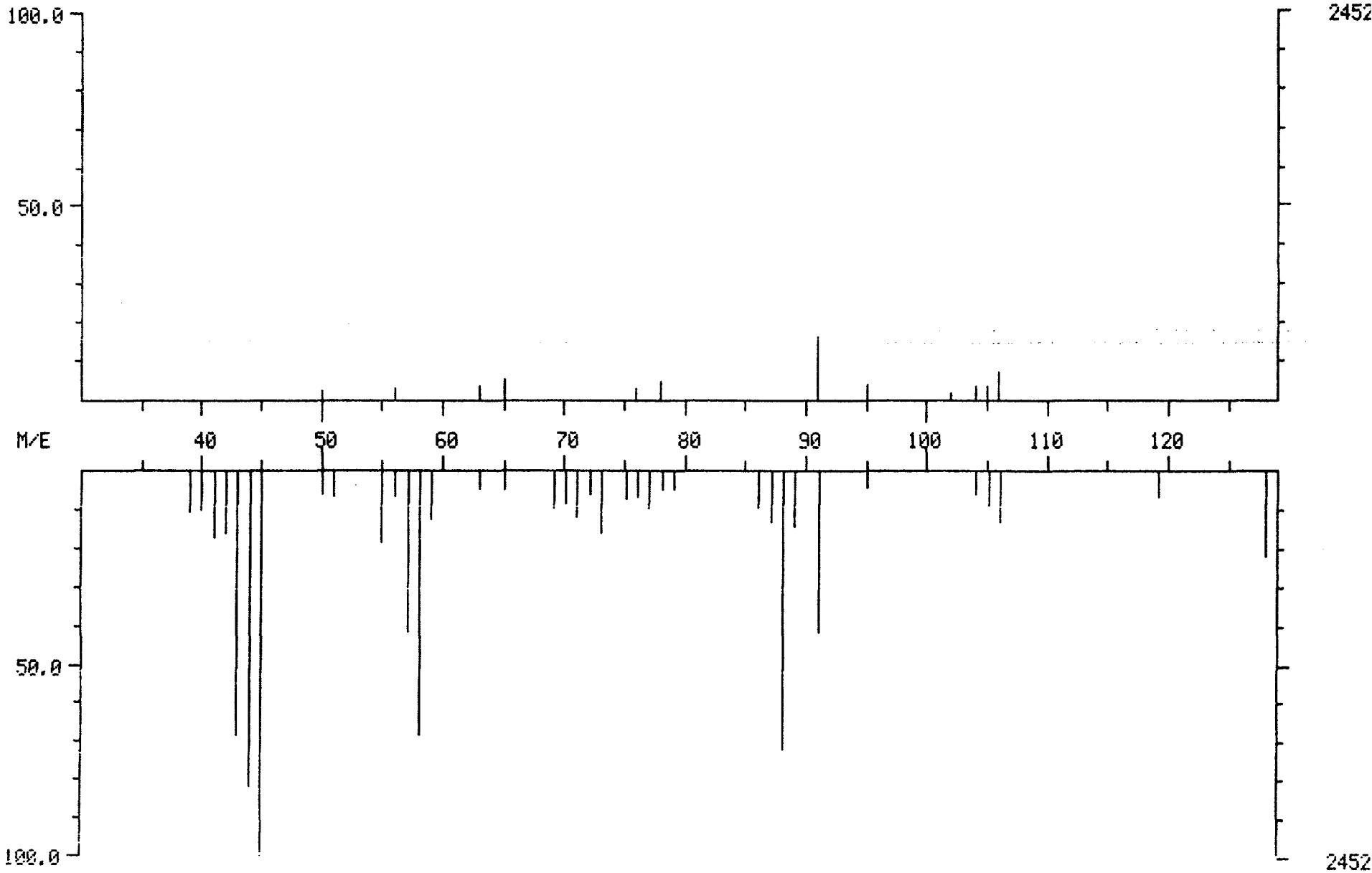
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 34:14
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #1002 BASE M/E: 104/ 45
CALI: EPAVOA871 #1 RIC: 1589./ 18751.



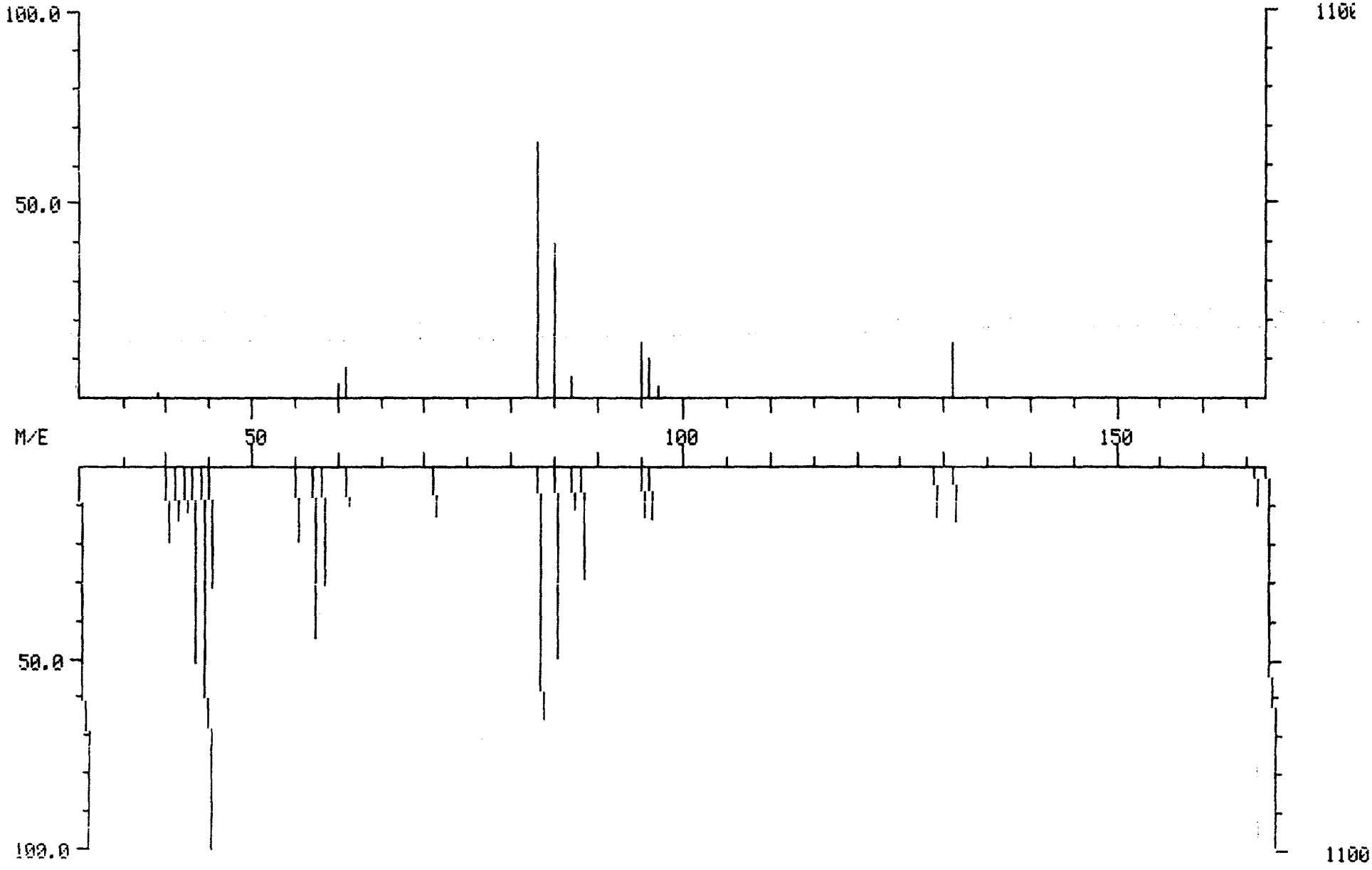
DUAL MASS SPECTRUM
02/26/84 11:58:00 + 35:34
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA871 #1041 BASE M/E: 91/ 45
CALI: EPAVOA871 #1 RIC: 1423./ 18815.



DUAL MASS SPECTRUM
02/26/84 11:58:00 + 25:27
SAMPLE: 77056-1 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

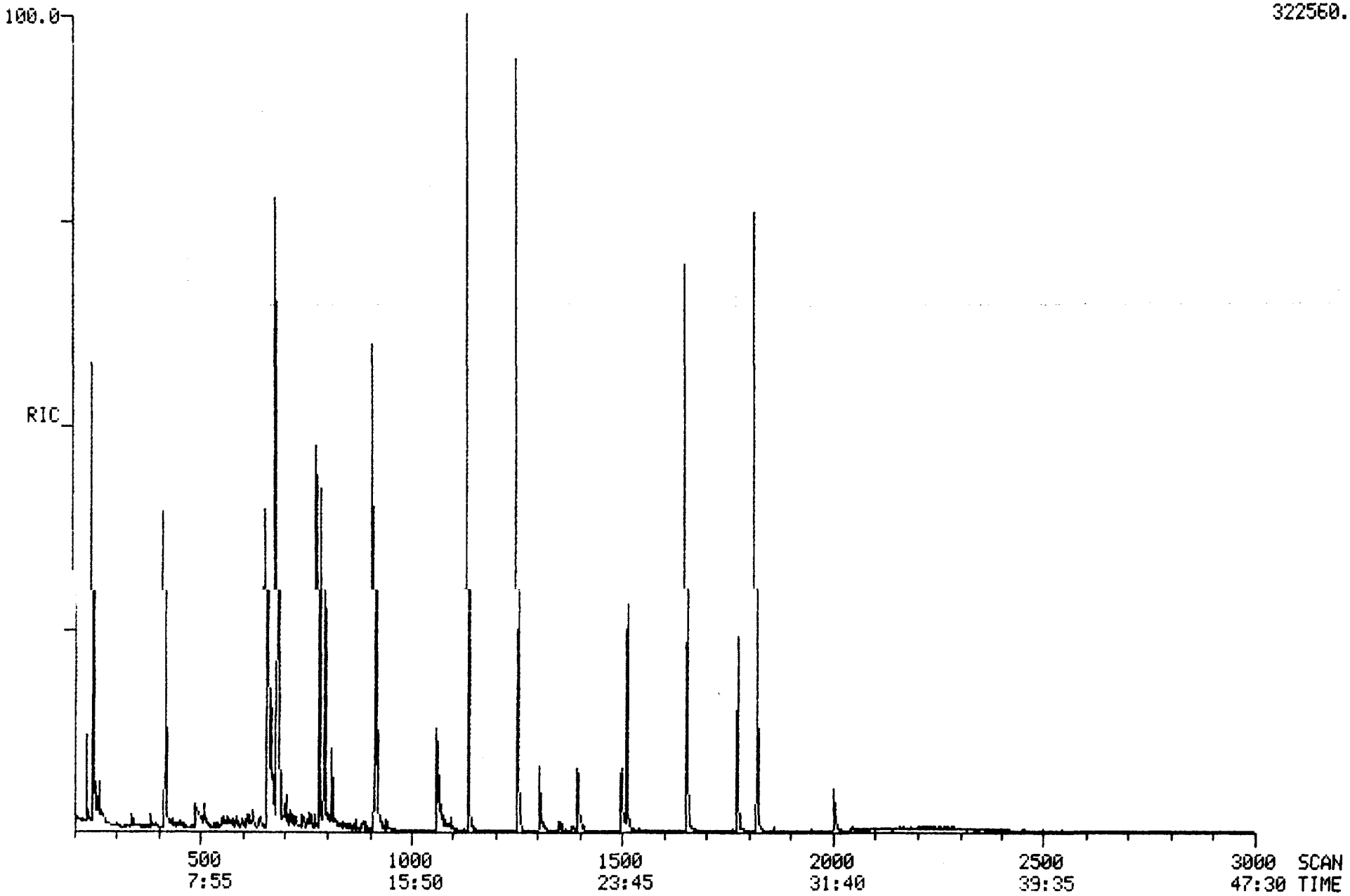
DATA: EPAVOA871 #745 BASE M/E: 83/ 44
CALI: EPAVOA871 #1 RIC: 1819./ 6231.



RIC
03/05/04 21:41:00
SAMPLE: 77056-1MS
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN704 #1
CALI: EPABN704 #1

SCANS 200 TO 3000



QUANTITATION REPORT FILE: EPABN704

DATA: EPABN704.TI
03/05/84 21:41:00
SAMPLE: 77056-1MS
SUBMITTED BY: EPA ANALYST: SCP

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4-METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2-NITROANILINE |
| 61 | HSL | 3 NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4 NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

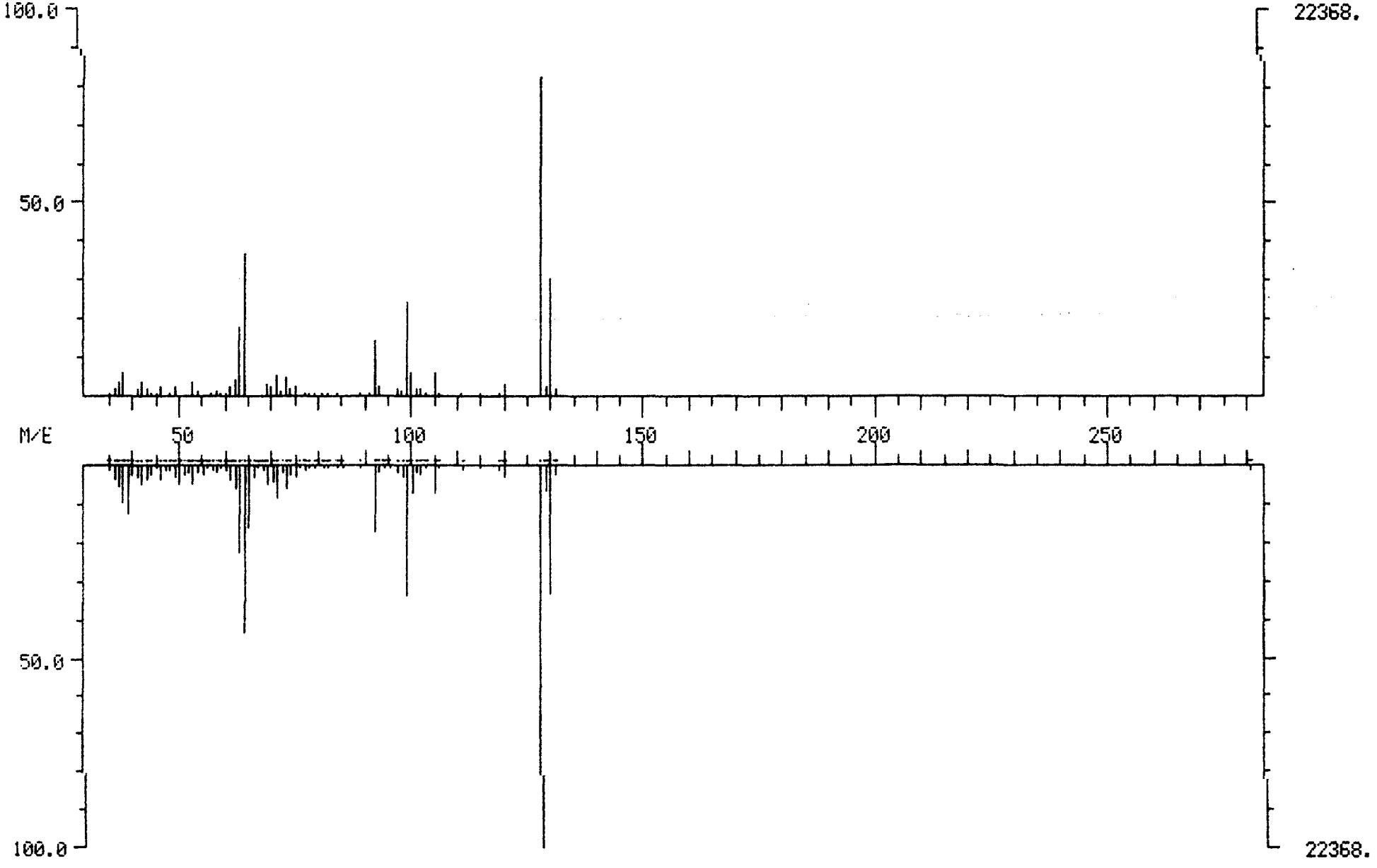
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 681 | 10:47 | 1 | 1.000 | A BB | 52246. | 20.000 UG/ML | 2.57 |
| 2 | 136 | 919 | 14:33 | 2 | 1.000 | A BB | 130643. | 20.000 UG/ML | 2.57 |
| 3 | 188 | 1512 | 23:56 | 3 | 1.000 | A BB | 87452. | 20.000 UG/ML | 2.57 |
| 4 | 240 | 2003 | 31:43 | 4 | 1.000 | A BB | 28720. | 20.000 UG/ML | 2.57 |
| 5 | NOT FOUND | | | | | | | | |
| 6 | 128 | 657 | 10:24 | 1 | 0.965 | A BB | 126085. | 36.439 UG/ML | 4.67 |
| 7 | 94 | 659 | 10:26 | 1 | 0.968 | A BB | 132497. | 35.680 UG/ML | 4.58 |
| ~~8~~ | ~~93~~ | ~~658~~ | ~~10:25~~ | ~~1~~ | ~~0.966~~ | ~~A BB~~ | ~~1481.~~ | ~~-6.457 UG/ML~~ | ~~-0.82~~ |
| ~~9~~ | ~~146~~ | ~~672~~ | ~~10:38~~ | ~~1~~ | ~~0.987~~ | ~~A BB~~ | ~~694.~~ | ~~-2.269 UG/ML~~ | ~~-0.28~~ |
| 10 | 146 | 684 | 10:50 | 1 | 1.004 | A BB | 165573. | 35.627 UG/ML | 4.57 |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 112 | 488 | 7:44 | 1 | 0.717 | A BB | 24756. | 23.891 UG/ML | 3.06 |
| 15 | 99 | 658 | 10:25 | 1 | 0.966 | A BB | 48586. | 17.644 UG/ML | 2.26 |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | 70 | 782 | 12:23 | 2 | 0.851 | A BV | 95167. | 46.526 UG/ML | 5.97 |
| 19 | NOT FOUND | | | | | | | | |
| ~~20~~ | ~~82~~ | ~~848~~ | ~~13:26~~ | ~~2~~ | ~~0.923~~ | ~~A*BB~~ | ~~1027.~~ | ~~-8.831 UG/ML~~ | ~~-1.12~~ |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | 180 | 914 | 14:28 | 2 | 0.995 | A BB | 124324. | 45.784 UG/ML | 5.87 |
| ~~26~~ | ~~128~~ | ~~922~~ | ~~14:36~~ | ~~2~~ | ~~1.003~~ | ~~A BB~~ | ~~518.~~ | ~~-19.482 UG/ML~~ | ~~-2.49~~ |
| 27 | NOT FOUND | | | | | | | | |
| 28 | 142 | 1062 | 16:49 | 2 | 1.156 | A BV | 42198. | 16.958 UG/ML | 2.18 |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | 142 | 1062 | 16:49 | 2 | 1.156 | A BV | 42198. | 22.331 UG/ML | 2.86 |
| 36 | 82 | 795 | 12:35 | 2 | 0.865 | A BB | 136363. | 55.608 UG/ML | 7.13 |
| 37 | 172 | 1139 | 18:02 | 2 | 1.239 | A BV | 265700. | 54.163 UG/ML | 6.95 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| ~~40~~ | ~~152~~ | ~~1221~~ | ~~19:20~~ | ~~3~~ | ~~0.808~~ | ~~A BB~~ | ~~1378.~~ | ~~-10.871 UG/ML~~ | ~~-1.38~~ |
| 41 | NOT FOUND | | | | | | | | |
| 42 | 153 | 1255 | 19:52 | 3 | 0.830 | A BB | 194526. | 45.163 UG/ML | 5.79 |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | 165 | 1305 | 20:40 | 3 | 0.863 | A BB | 22753. | 28.607 UG/ML | 3.67 |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| ~~48~~ | ~~149~~ | ~~1356~~ | ~~21:28~~ | ~~3~~ | ~~0.897~~ | ~~A BB~~ | ~~994.~~ | ~~-6.552 UG/ML~~ | ~~-0.83~~ |
| 49 | NOT FOUND | | | | | | | | |
| ~~50~~ | ~~169~~ | ~~1382~~ | ~~21:53~~ | ~~3~~ | ~~0.914~~ | ~~A BB~~ | ~~2848.~~ | ~~-16.131 UG/ML~~ | ~~-2.06~~ |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | 266 | 1497 | 23:42 | 3 | 0.990 | A BB | 17719. | 36.060 UG/ML | 4.63 |
| 55 | NOT FOUND | | | | | | | | |
| 56 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 149 | 1656 | 26:13 | 3 | 1.095 | A VB | 345891. | 51.230 | UG/ML | 6.57 |
| 58 | NOT | FOUND | | | | | | | | |
| 59 | NOT | FOUND | | | | | | | | |
| 60 | NOT | FOUND | | | | | | | | |
| 61 | 65 | 1256 | 19:53 | 3 | 0.831 | A BB | 1118. | 24.447 | UG/ML | 3.14 |
| 62 | NOT | FOUND | | | | | | | | |
| 63 | NOT | FOUND | | | | | | | | |
| 64 | 330 | 1395 | 22:05 | 3 | 0.923 | A BB | 14825. | 29.825 | UG/ML | 3.83 |
| 65 | NOT | FOUND | | | | | | | | |
| 66 | 202 | 1774 | 28:05 | 4 | 0.886 | A BV | 97928. | 30.823 | UG/ML | 3.95 |
| 67 | 149 | 1929 | 30:33 | 4 | 0.963 | A BB | 280. | 7.160 | UG/ML | 0.92 |
| 68 | NOT | FOUND | | | | | | | | |
| 69 | NOT | FOUND | | | | | | | | |
| 70 | NOT | FOUND | | | | | | | | |
| 71 | 149 | 2046 | 32:24 | 4 | 1.021 | A BB | 1127. | 4.550 | UG/ML | 0.58 |
| 72 | 244 | 1821 | 28:50 | 4 | 0.909 | A BB | 225022. | 121.850 | UG/ML | 15.63 |
| 73 | NOT | FOUND | | | | | | | | |
| 74 | NOT | FOUND | | | | | | | | |
| 75 | NOT | FOUND | | | | | | | | |
| 76 | NOT | FOUND | | | | | | | | |
| 77 | NOT | FOUND | | | | | | | | |
| 78 | NOT | FOUND | | | | | | | | |
| 79 | NOT | FOUND | | | | | | | | |
| 80 | NOT | FOUND | | | | | | | | |

DUAL MASS SPECTRUM
03/05/84 21:41:00 + 10:24
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

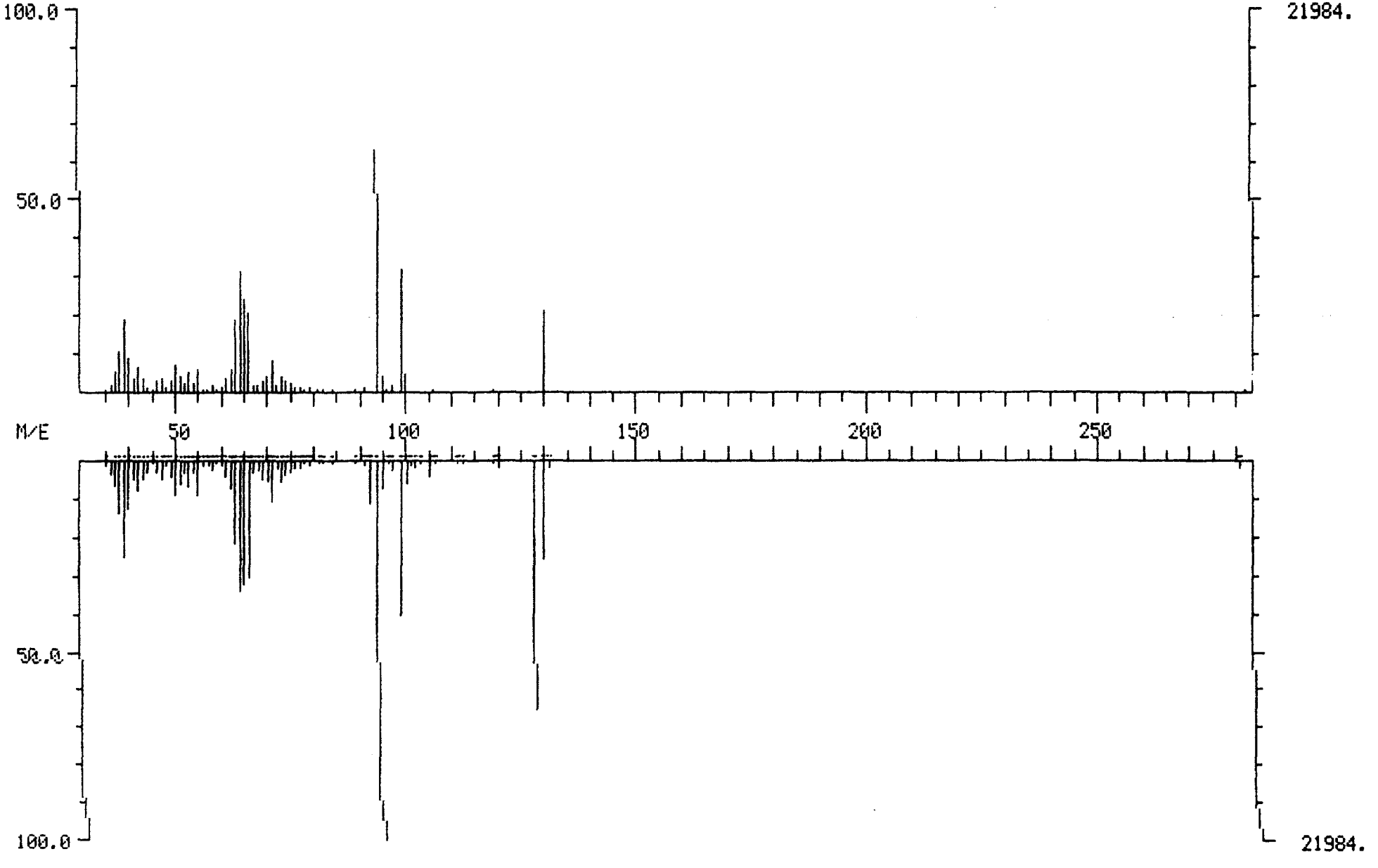
DATA: EPABN704 #657
CALI: EPABN704 #1

BASE M/E: 128/ 128
RIC: 67199./ 97919.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 10:26
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

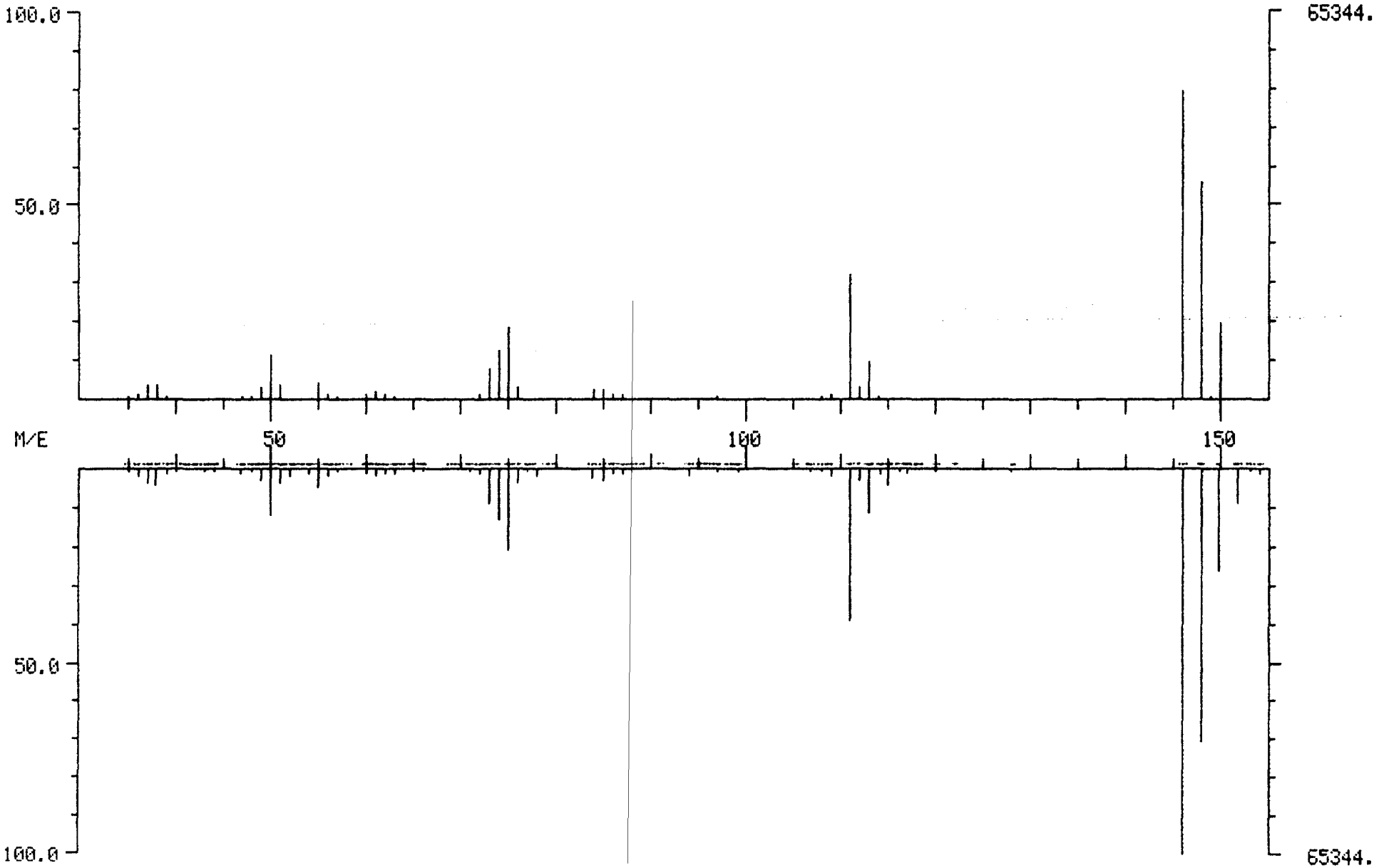
DATA: EPABN704 #659 BASE M/E: 94/ 94
CALI: EPABN704 #1 RIC: 82815./ 129407.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 10:50
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN704 #684
CALI: EPABN704 #1

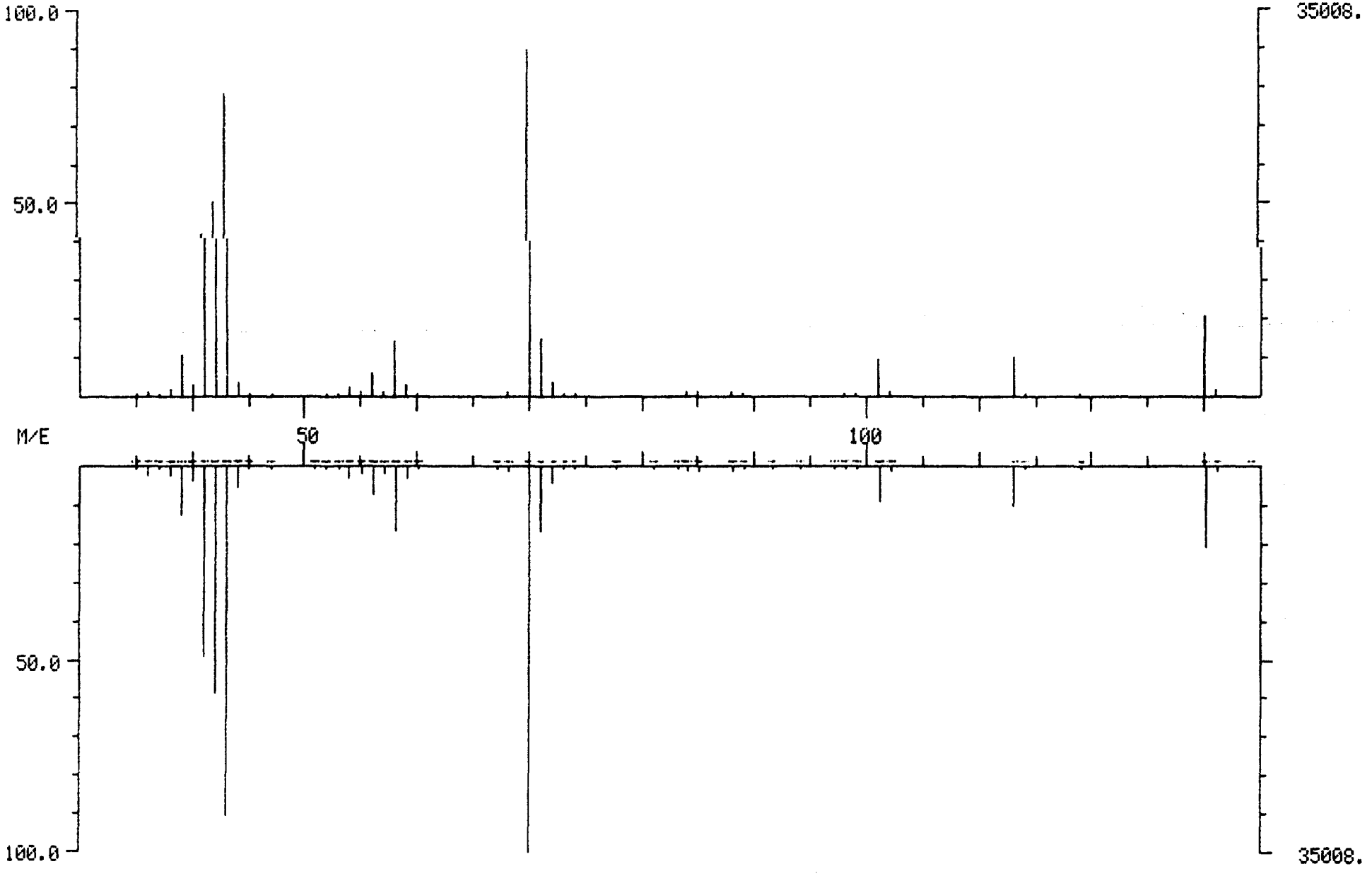
BASE M/E: 146/ 146
RIC: 190975./ 251135.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 12:23
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN704 #782
CALI: EPABN704 #1

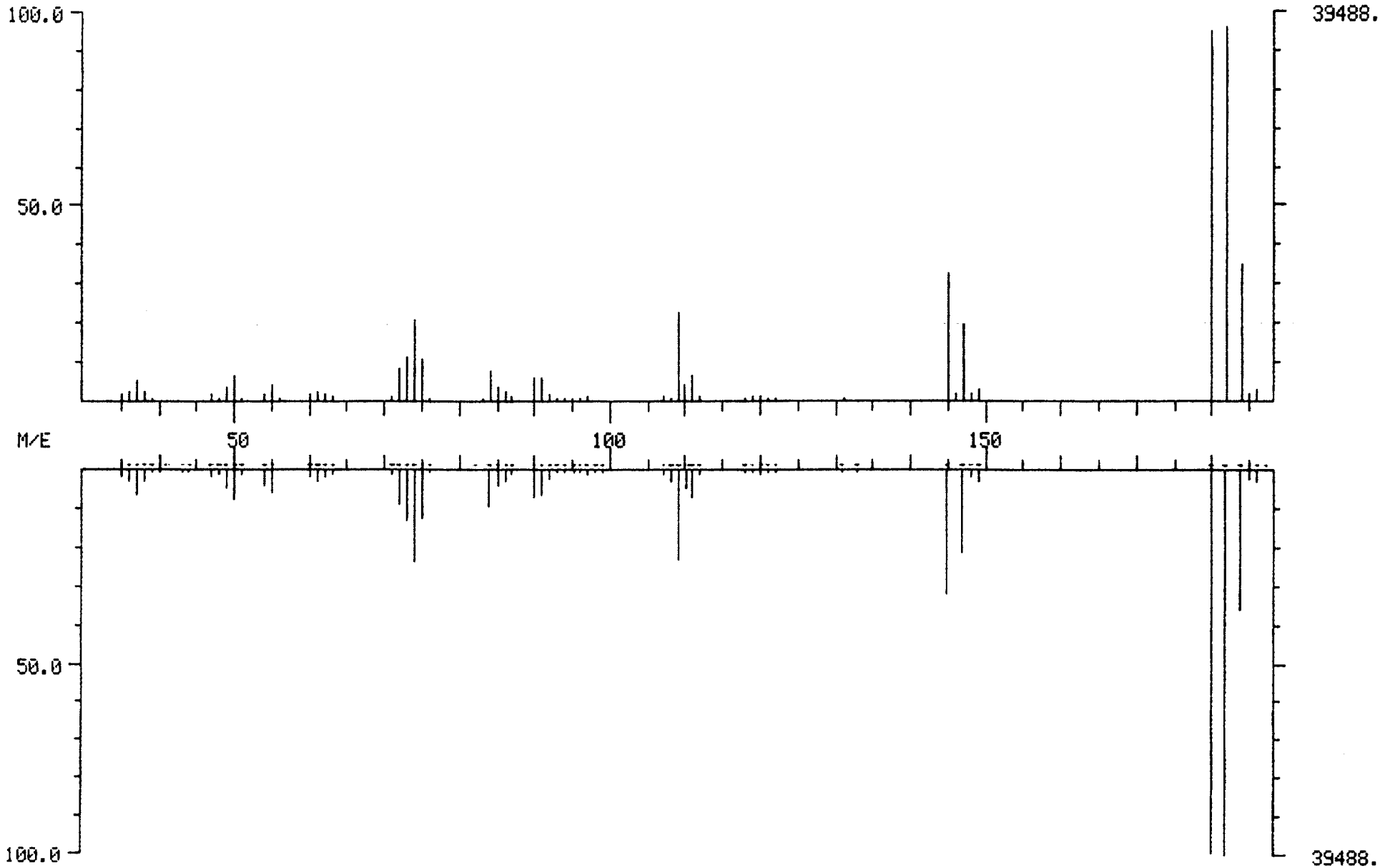
BASE M/E: 70/ 70
RIC: 134399./ 153087.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 14:28
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

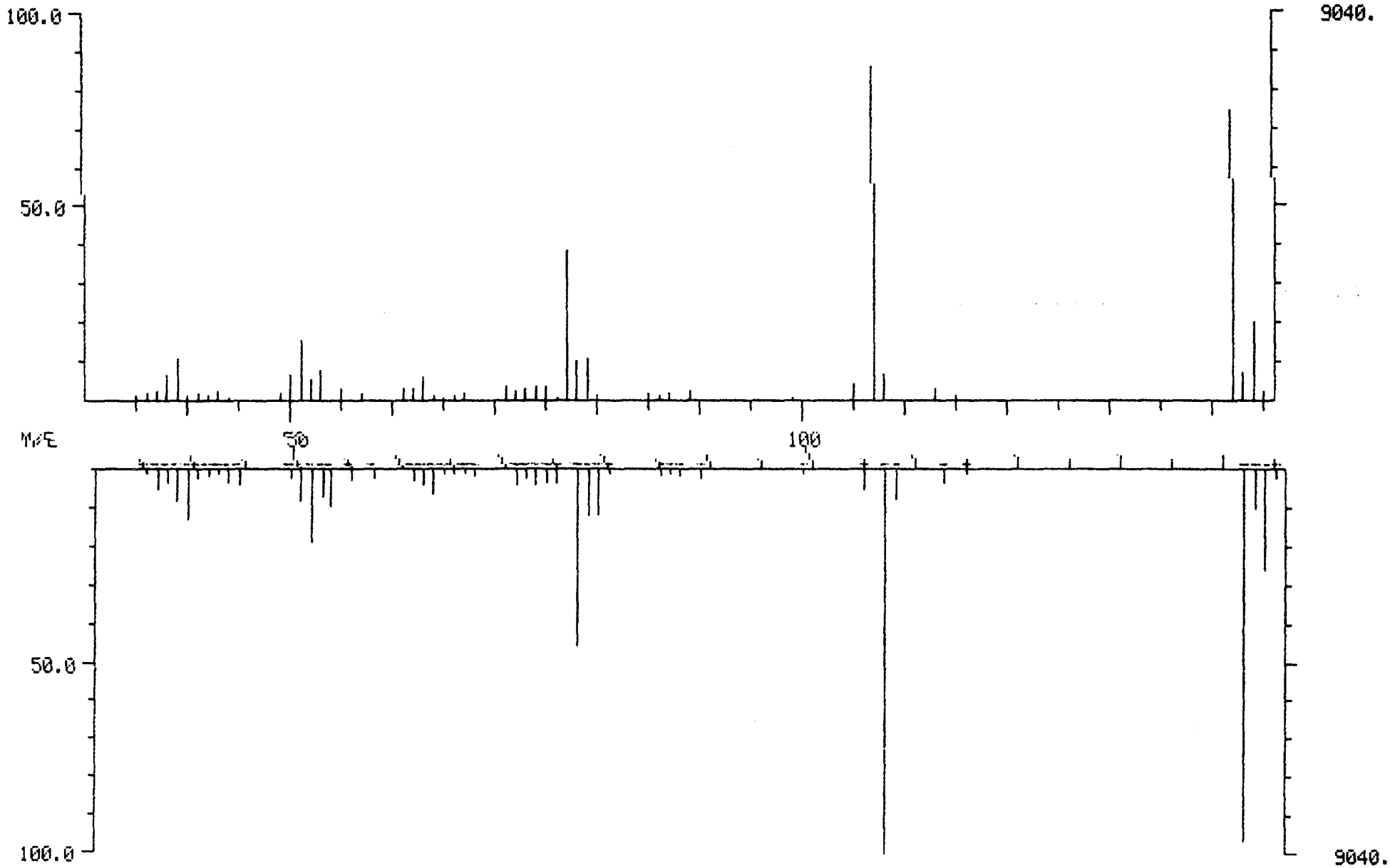
DATA: EPABN704 #914
CALI: EPABN704 #1

BASE M/E: 182/ 182
RIC: 178943./ 193535.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 16:49
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

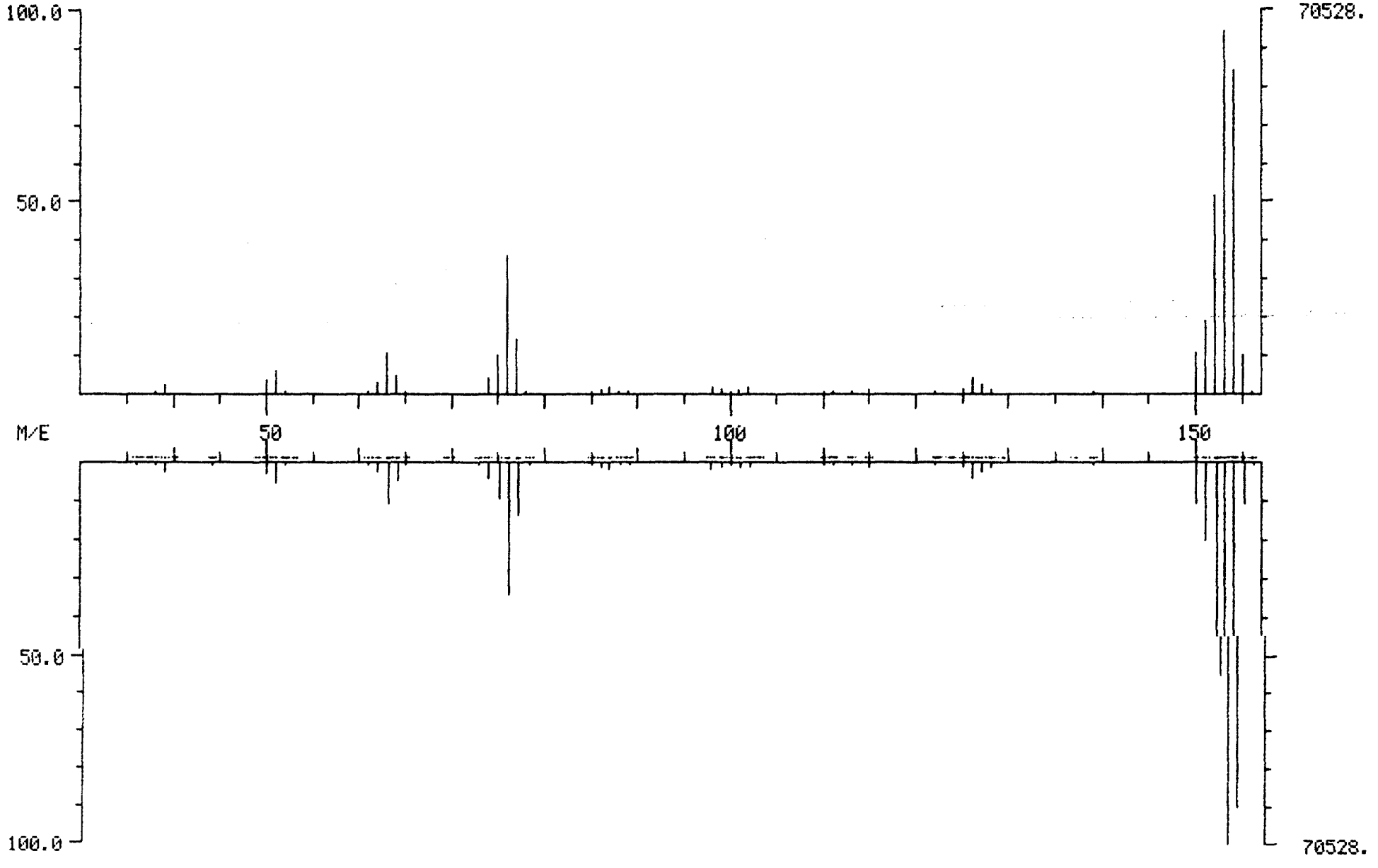
DATA: EPABN704 #1062 BASE M/E: 107/ 107
CALI: EPABN704 #1 RIC: 33983./ 41919.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 19:52
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

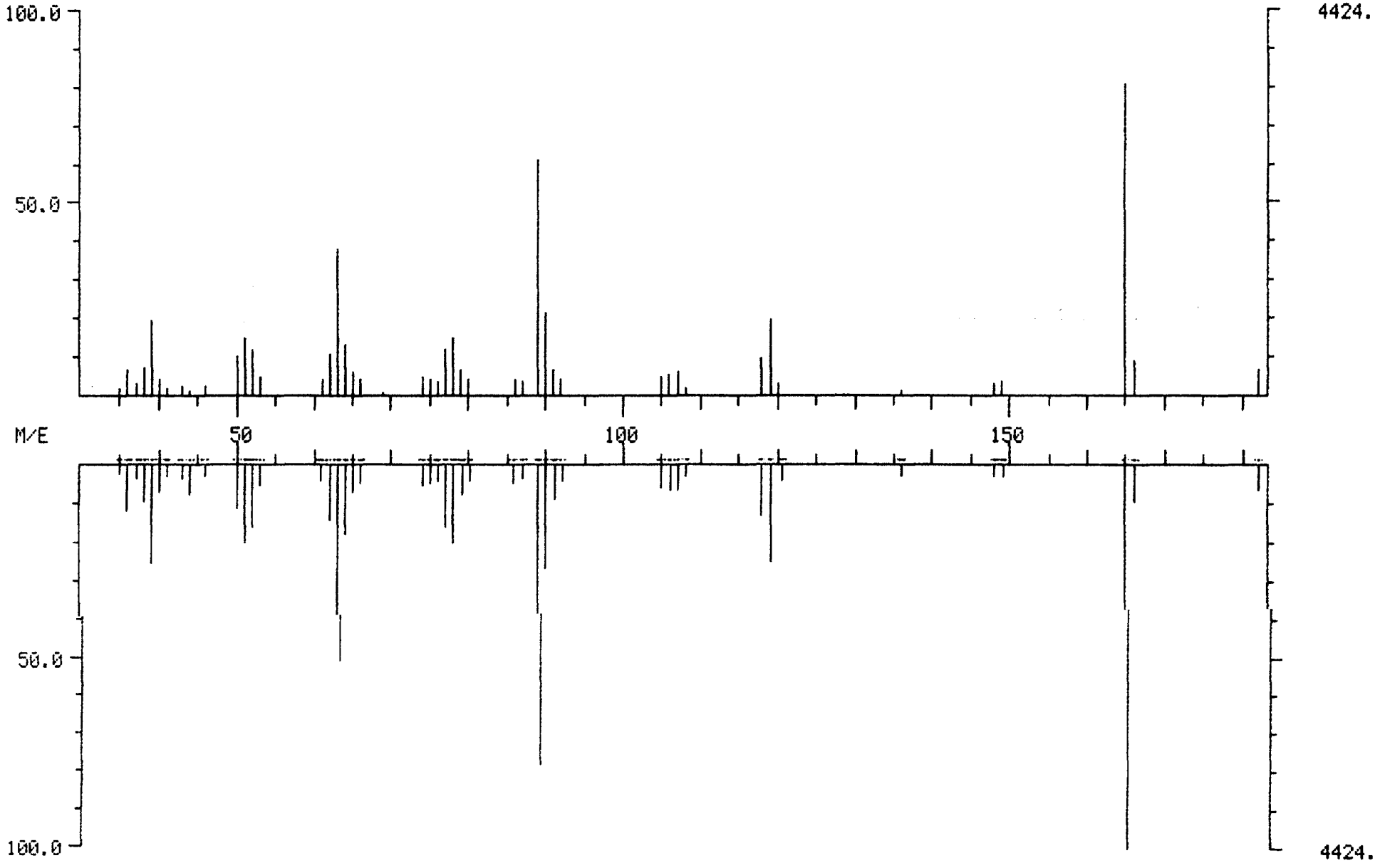
DATA: EPABN704 #1255
CALI: EPABN704 #1

BASE M/E: 153/ 153
RIC: 278015./ 288255.



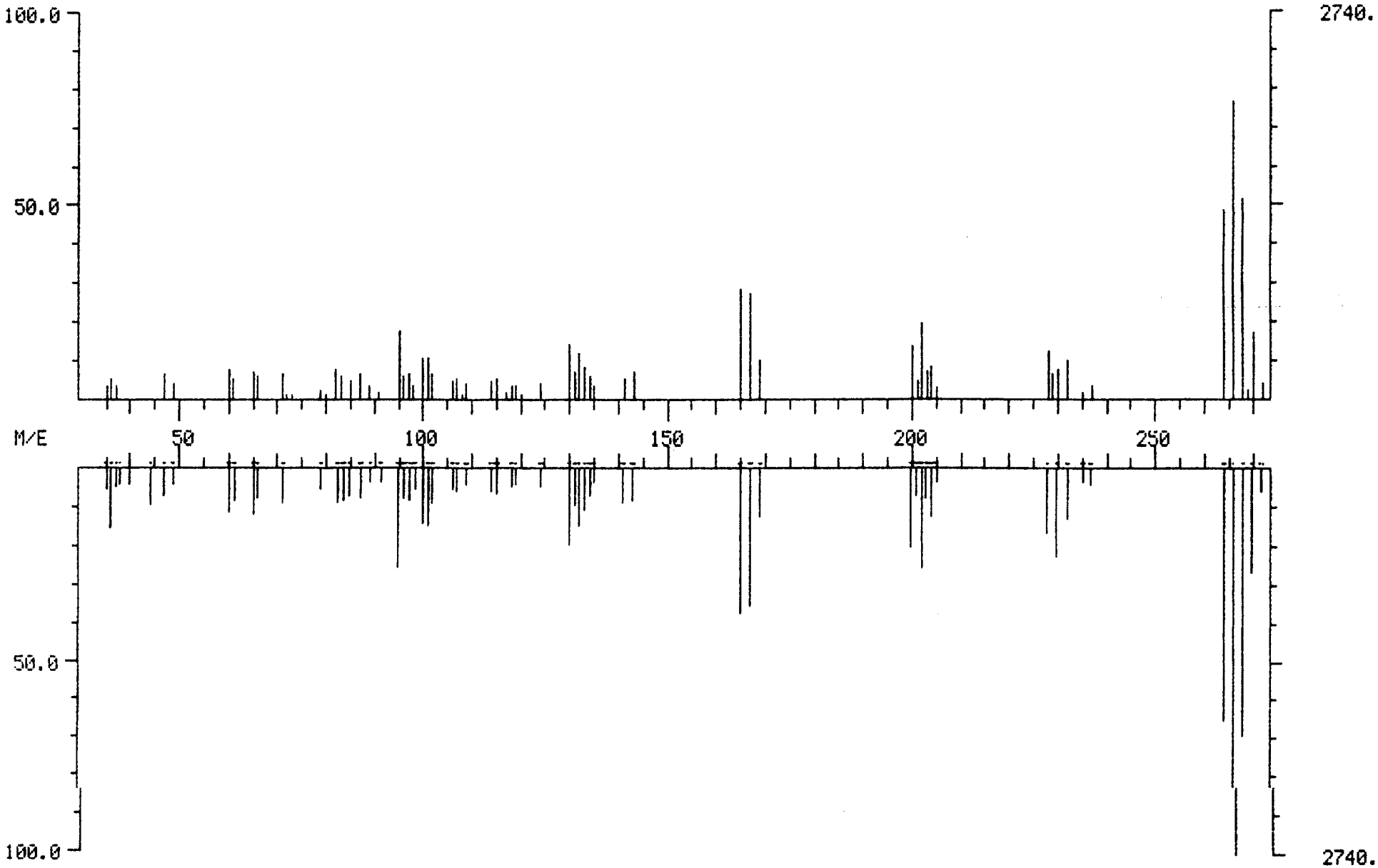
DUAL MASS SPECTRUM
03/05/84 21:41:00 + 20:40
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

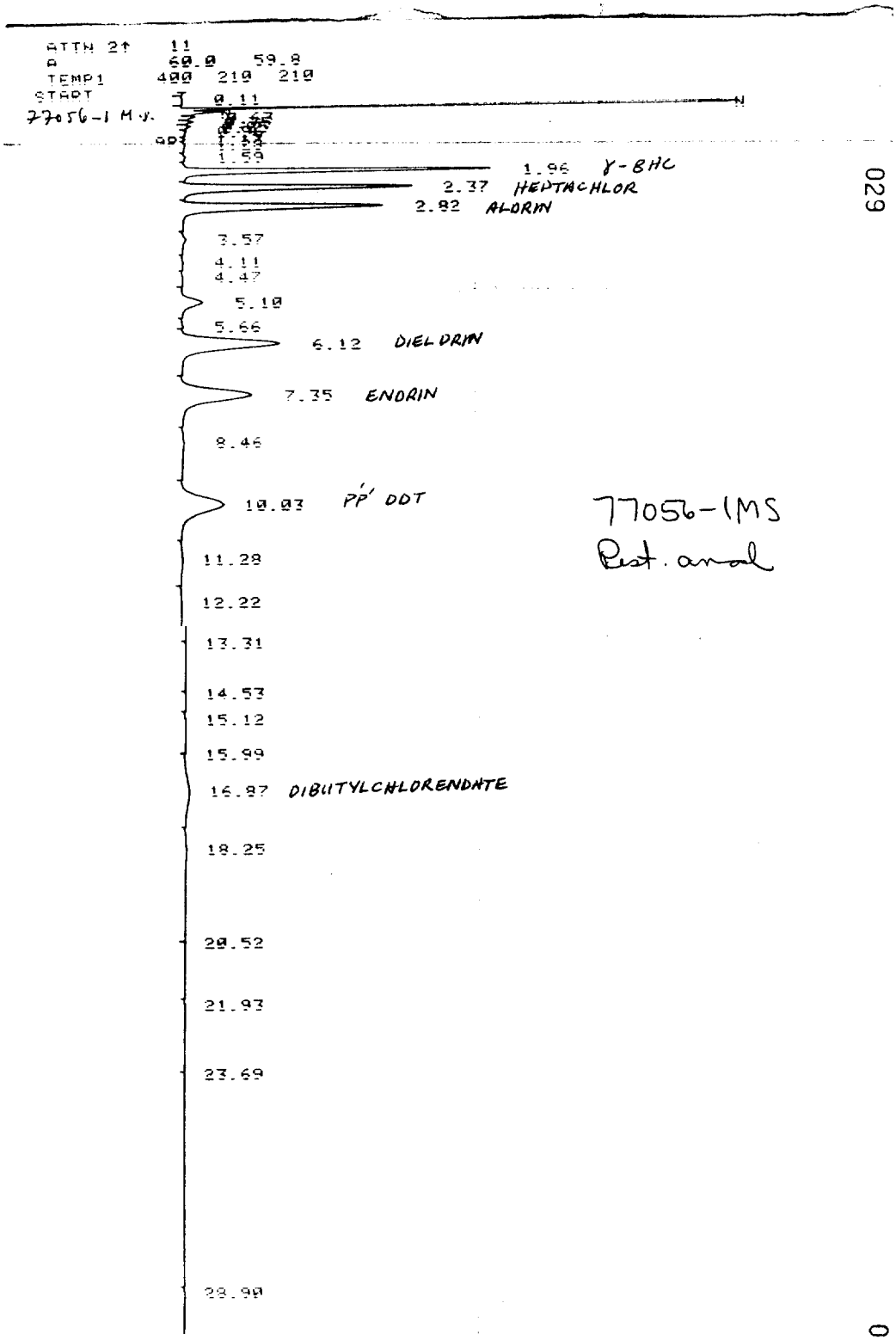
DATA: EPABN704 #1305 BASE M/E: 165/ 165
CALI: EPABN704 #1 RIC: 20863./ 26879.



DUAL MASS SPECTRUM
03/05/84 21:41:00 + 23:42
SAMPLE: 77056-1MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN704 #1497 BASE M/E: 266/ 266
CALI: EPABN704 #1 RIC: 17119./ 23103.






77056-1MS
Pest. anal



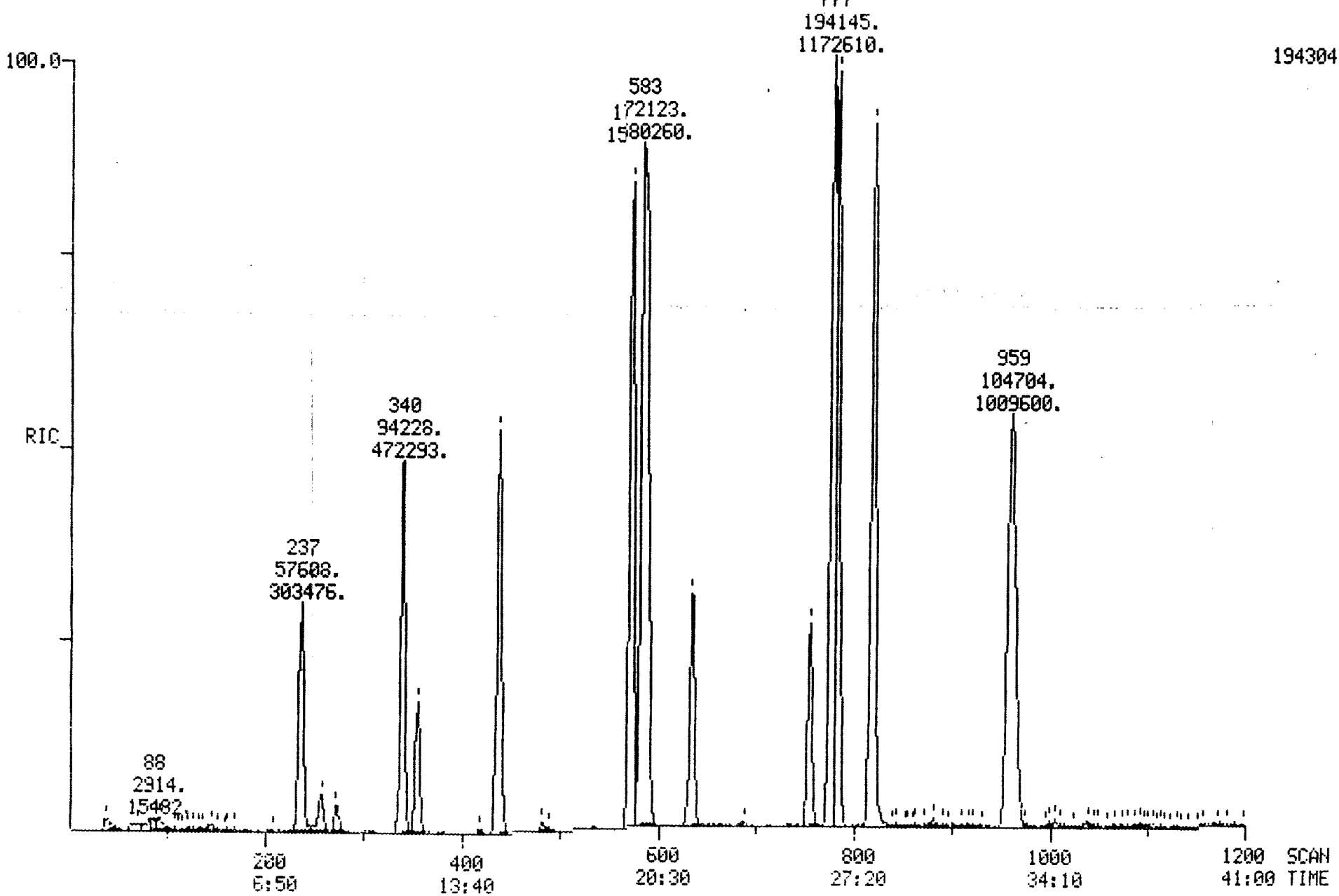
HP RUN # 284
BOTTLE 17
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.28 | 15450 | 0.359 |
| 1.59 | 13220 | 0.307 |
| 1.96 | 736000 | 17.094 |
| 2.37 | 679800 | 15.789 |
| 2.82 | 702200 | 16.309 |
| 3.57 | 26160 | 0.608 |
| 4.11 | 7726 | 0.179 |
| 4.47 | 7894 | 0.183 |
| 5.10 | 123500 | 2.868 |
| 5.66 | 5333 | 0.124 |
| 6.12 | 683800 | 15.882 |
| 7.35 | 589100 | 13.682 |
| 8.46 | 47910 | 1.113 |
| 10.03 | 479600 | 11.139 |
| 11.28 | 22020 | 0.511 |
| 12.22 | 13800 | 0.322 |
| 13.31 | 1441 | 0.034 |
| 14.53 | [illegible] | 0.003 |

RIC
02/26/84 12:56:00
SAMPLE: 77056-1 DMS
CONDS.:
RANGE: G 1,1200 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

DATA: EPAVOA872 #1
CALI: EPAVOA872 #1

SCANS 1 TO 1200



QUANTITATION REPORT FILE: EPAV0A872

DATA: EPAV0A872.TI
02/26/84 12:56:00
SAMPLE: 77056-1 DMS
SUBMITTED BY: EPA ANALYST:

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

| NO | NAME | |
|---|---|---|
| 1 | * | BROMOCHLORMETHANE (INTERAL STANDARD) |
| 2 | * | 2-BROMO-1-CHLOROPROPANE (INTERNAL STANDARD) |
| 3 | * | 1,4-DICHLOROBUTANE (INTERNAL STANDARD) |
| 4 | | CHLOROMETHANE |
| 5 | | BROMOMETHANE |
| 6 | | VINYL CHLORIDE |
| 7 | | CHLOROETHANE |
| 8 | | METHYLENE CHLORIDE |
| 9 | | ACROLEIN |
| 10 | | ACRYLONITRILE |
| 11 | | 1,1-DICHLOROETHYLENE |
| 12 | | 1,1-DICHLOROETHANE |
| 13 | | TRANS-1,2-DICHLOROETHYLENE |
| 14 | | CHLOROFORM |
| 15 | | 1,2-DICHLOROETHANE |
| 16 | | 1,1,1-TRICHLOROETHANE |
| 17 | HSL | ACETONE |
| 18 | HSL | CARBON DISULFIDE |
| 19 | | CARBON TETRACHLORIDE |
| 20 | | BROMODICHLOROMETHANE |
| 21 | | 1,2-DICHLOROPROPANE |
| 22 | | TRANS-1,3-DICHLOROPROPYLENE |
| 23 | | TRICHLOROETHYLENE |
| 24 | | BENZENE |
| 25 | | DIBROMOCHLOROMETHANE |
| 26 | | 1,1,2-TRICHLOROETHANE |
| 27 | | CIS-1,3-DICHLOROPROPYLENE |
| 28 | | 2-CHLOROETHYL VINYL ETHER |
| 29 | | BROMOFORM |
| 30 | HSL | METHYL ETHYL KETONE |
| 31 | HSL | VINYL ACETATE |
| 32 | HSL | METHYL ISOBUTYL KETONE |
| 33 | | 1,2-DICHLOROETHANE-D4 (SURROGATE) |
| 34 | | BENZENE-D6 (SURROGATE) |
| 35 | | DIBROMOTETRAFLUOROETHANE (SURROGATE) |
| 36 | | BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE) |
| 37 | | FLUOROBENZENE (SURROGATE) |
| 38 | | TETRACHLOROETHYLENE |
| 39 | | 1,1,2,2-TETRACHLOROETHANE |
| 40 | | TOLUENE |
| 41 | | CHLOROBENZENE |
| 42 | | ETHYLBENZENE |
| 43 | HSL | 2-HEXANONE |
| 44 | HSL | STYRENE |
| 45 | HSL | O-XYLENE |
| 46 | | TOLUENE-D8 (SURROGATE) |

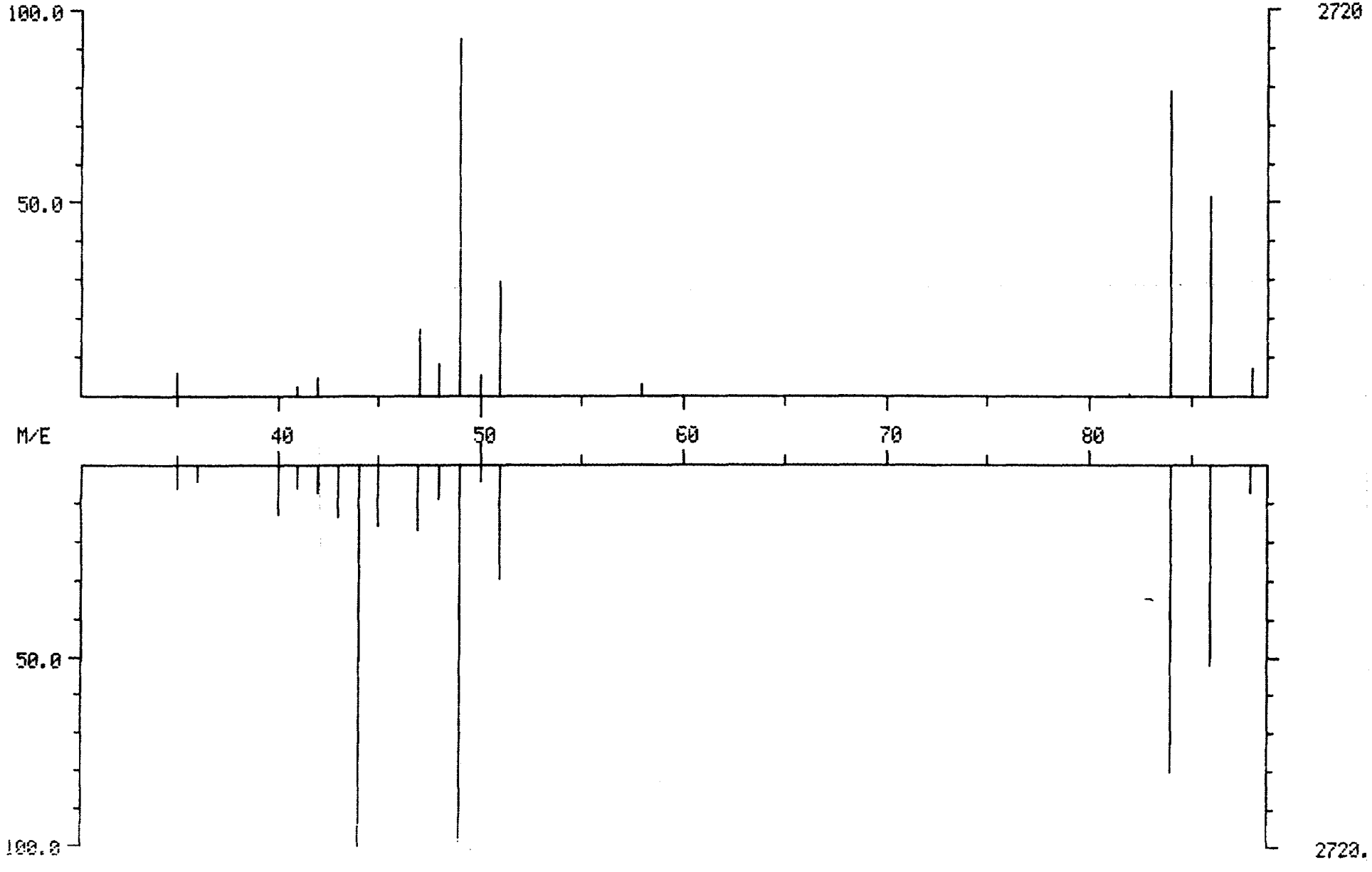
| NO | NAME |
|---|---|
| 47 | M-BROMOBENZOTRIFLUORIDE (SURROGATE) |
| 48 | D-5 ETHYLBENZENE (SURROGATE) |
| 49 | 1, 1, 2, 2-TETRACHLOROETHANE |
| 50 | P-BROMOFLUOROBENZENE (SURROGATE) |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 355 | 12:08 | 1 | 1.000 | A BB | 32099. | 50.000 UG/L | 4.68 |
| 2 | 77 | 634 | 21:40 | 2 | 1.000 | A BB | 107852. | 50.000 UG/L | 4.68 |
| 3 | 55 | 755 | 25:48 | 3 | 1.000 | A BB | 105800. | 50.000 UG/L | 4.68 |
| 4 | NOT FOUND | | | | | | | | |
| 5 | NOT FOUND | | | | | | | | |
| 6 | NOT FOUND | | | | | | | | |
| 7 | NOT FOUND | | | | | | | | |
| 8 | 84 | 258 | 8:49 | 1 | 0.727 | A BB | 11085. | 5.228 UG/L | 0.49 |
| 9 | NOT FOUND | | | | | | | | |
| 10 | NOT FOUND | | | | | | | | |
| 11 | 61 | 340 | 11:37 | 1 | 0.958 | A BB | 180144. | 74.062 UG/L | 6.93 |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 83 | 418 | 14:17 | 1 | 1.177 | A BB | 2263. | 0.615 UG/L | 0.06 |
| 15 | 62 | 441 | 15:04 | 1 | 1.242 | A BB | 4643. | 1.744 UG/L | 0.16 |
| 16 | 97 | 483 | 16:30 | 1 | 1.361 | A BB | 1071. | 0.344 UG/L | 0.03 |
| 17 | 58 | 273 | 9:20 | 1 | 0.769 | A BB | 6666. | 77.390 UG/L | 7.24 |
| 18 | NOT FOUND | | | | | | | | |
| 19 | NOT FOUND | | | | | | | | |
| 20 | NOT FOUND | | | | | | | | |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | 95 | 572 | 19:33 | 2 | 0.902 | A BB | 167857. | 72.184 UG/L | 6.76 |
| 24 | 78 | 587 | 20:03 | 2 | 0.926 | A BB | 343552. | 90.830 UG/L | 8.50 |
| 25 | NOT FOUND | | | | | | | | |
| 26 | NOT FOUND | | | | | | | | |

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 27 | NOT FOUND | | | | | | | | |
| 28 | NOT FOUND | | | | | | | | |
| 29 | NOT FOUND | | | | | | | | |
| 30 | 72 | 436 | 14:54 | 2 | 0.688 | A BB | 2587. | 25.235 UG/L | 2.36 |
| 31 | NOT FOUND | | | | | | | | |
| 32 | 43 | 687 | 23:28 | 2 | 1.084 | A BB | 2447. | 2.820 UG/L | 0.26 |
| 33 | 65 | 437 | 14:56 | 2 | 0.689 | A BB | 223188. | 102.955 UG/L | 9.63 |
| 34 | 84 | 583 | 19:55 | 2 | 0.920 | A VB | 391121. | 97.076 UG/L | 9.08 |
| 35 | NOT FOUND | | | | | | | | |
| 36 | NOT FOUND | | | | | | | | |
| 37 | NOT FOUND | | | | | | | | |
| 38 | 166 | 742 | 25:21 | 3 | 0.983 | A BB | 222. | 0.126 UG/L | 0.01 |
| 39 | 83 | 744 | 25:25 | 3 | 0.985 | A BB | 472. | 0.448 UG/L | 0.04 |
| 40 | 91 | 782 | 26:43 | 3 | 1.036 | A BB | 406431. | 88.409 UG/L | 8.27 |
| 41 | 112 | 818 | 27:57 | 3 | 1.083 | A BB | 309032. | 90.841 UG/L | 8.50 |
| 42 | 91 | 881 | 30:06 | 3 | 1.167 | A VB | 4695. | 0.851 UG/L | 0.08 |
| 43 | 43 | 733 | 25:03 | 3 | 0.971 | A BB | 894. | 1.556 UG/L | 0.15 |
| 44 | 104 | 1003 | 34:16 | 3 | 1.328 | A BB | 4589. | 1.655 UG/L | 0.15 |
| 45 | 106 | 1039 | 35:30 | 3 | 1.376 | A*BB | 1340. | 0.767 UG/L | 0.07 |
| 46 | 98 | 777 | 26:33 | 3 | 1.029 | A BB | 374933. | 88.947 UG/L | 8.32 |
| 47 | NOT FOUND | | | | | | | | |
| 48 | NOT FOUND | | | | | | | | |
| 49 | 83 | 744 | 25:25 | 3 | 0.985 | A BB | 472. | 0.448 UG/L | 0.04 |
| 50 | 95 | 960 | 32:48 | 3 | 1.272 | A BB | 242180. | 94.206 UG/L | 8.82 |

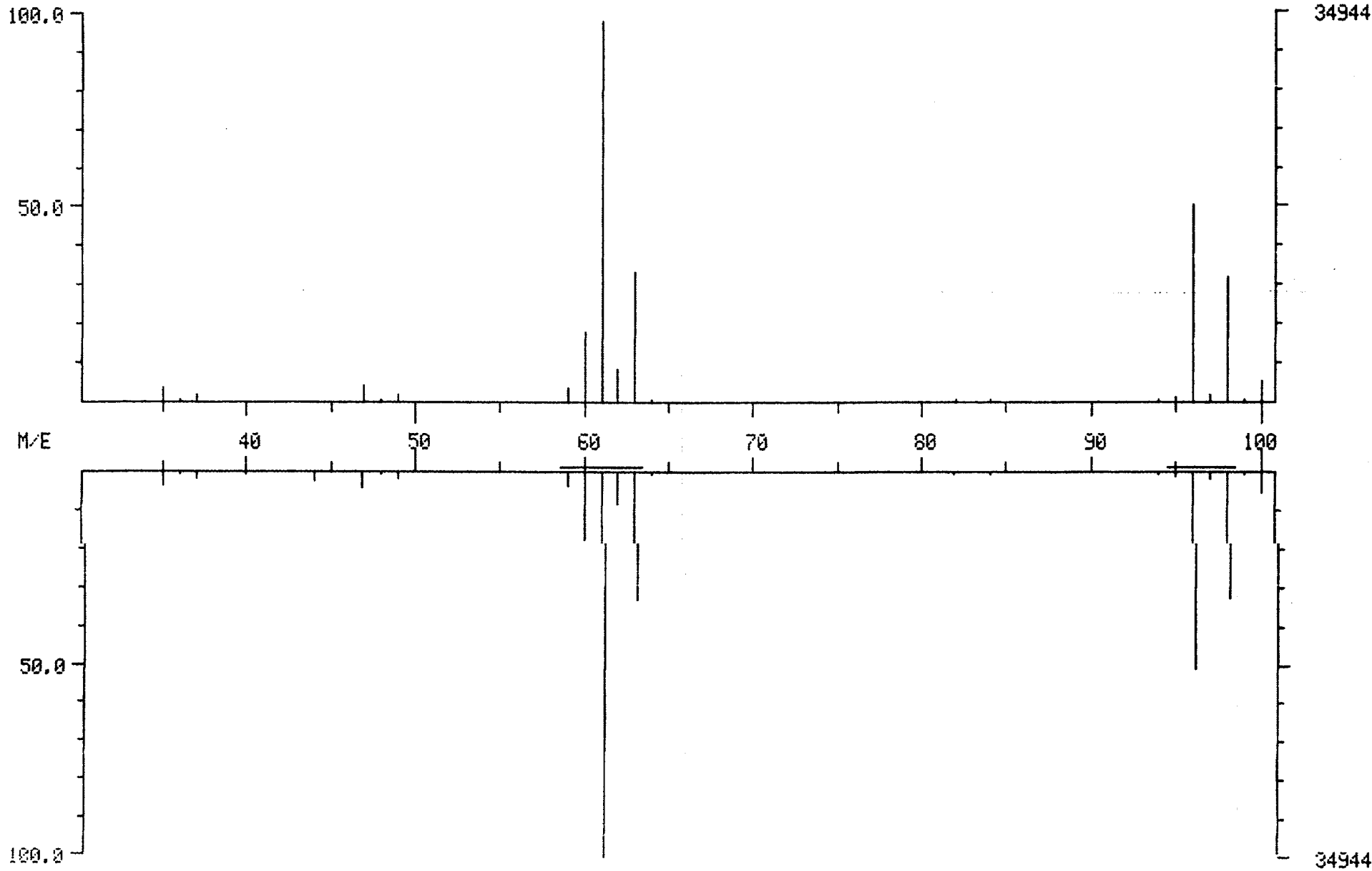
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 8:49
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #258 BASE M/E: 49/ 44
CALI: EPAVOA872 #1 RIC: 8335./ 12591.



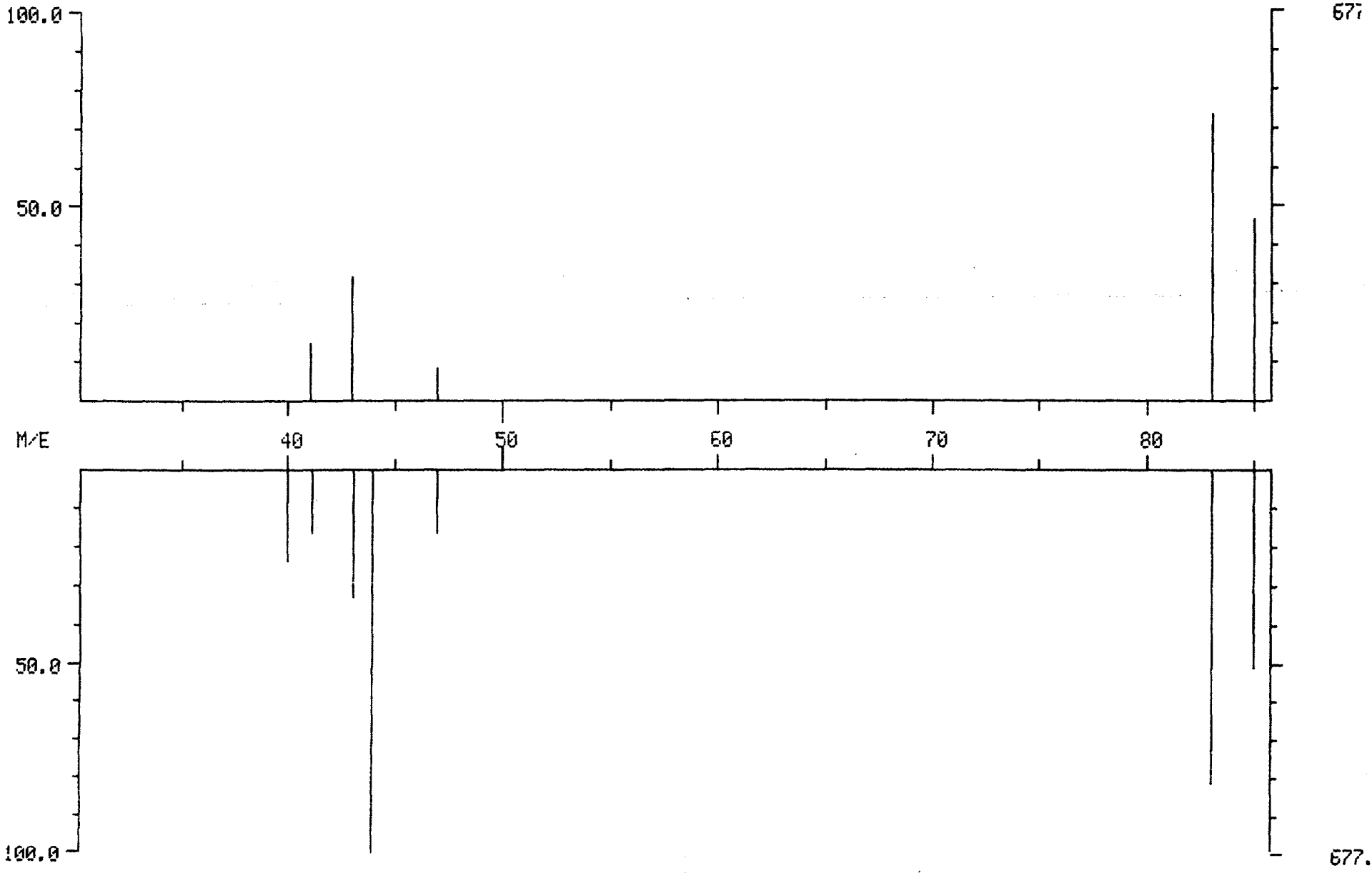
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 11:37
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #340 BASE M/E: 61/ 61
CALI: EPAVOA872 #1 RIC: 92327./ 95615.



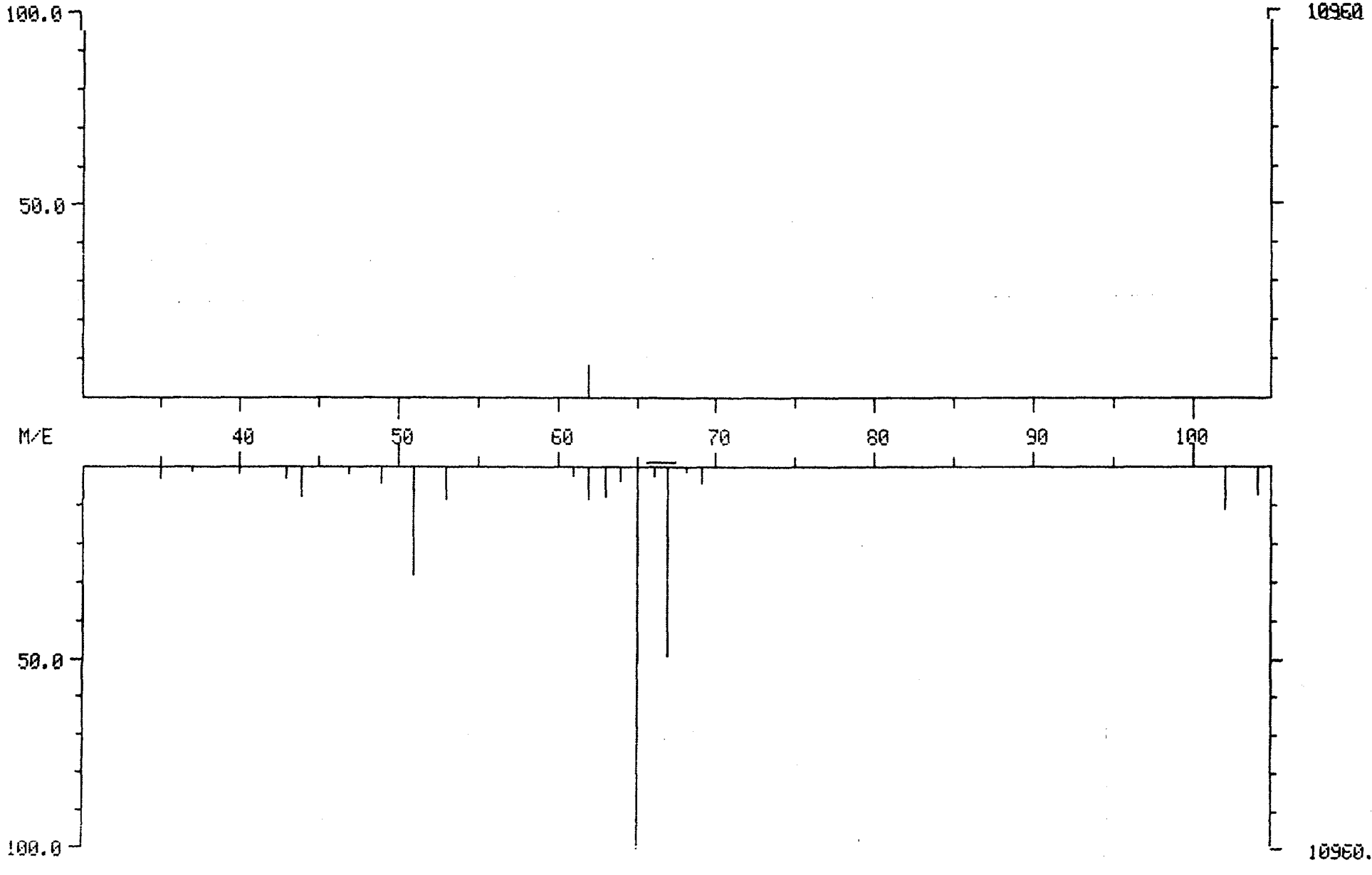
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 14:17
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (5 15B 2N 0T)

DATA: EPAVOA872 #418 BASE M/E: 83/ 44
CALI: EPAVOA872 #1 RIC: 1191./ 2183.



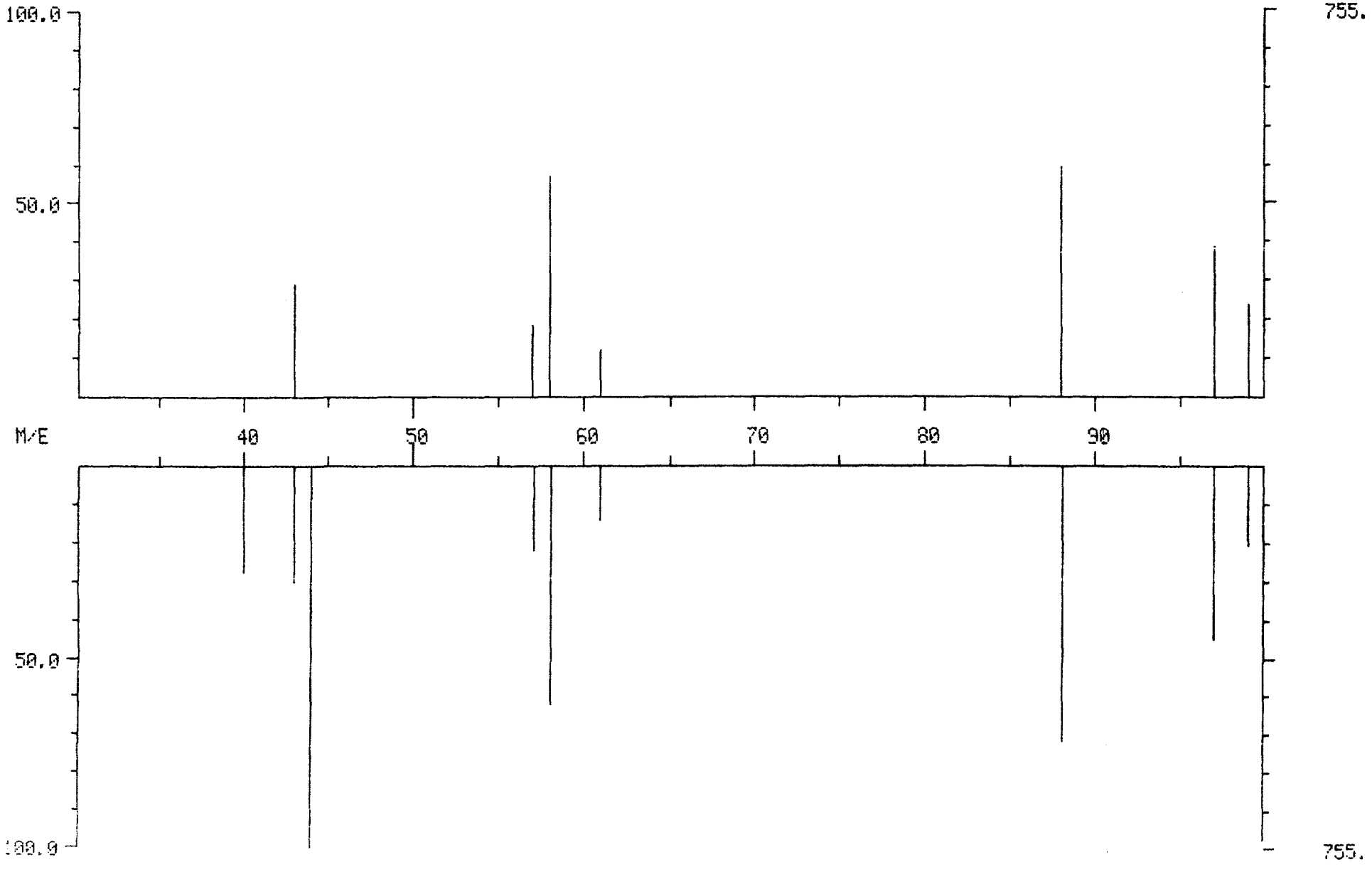
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 15:04
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #441 BASE M/E: 62/ 65
CALI: EPAVOA872 #1 RIC: 882./ 28127.



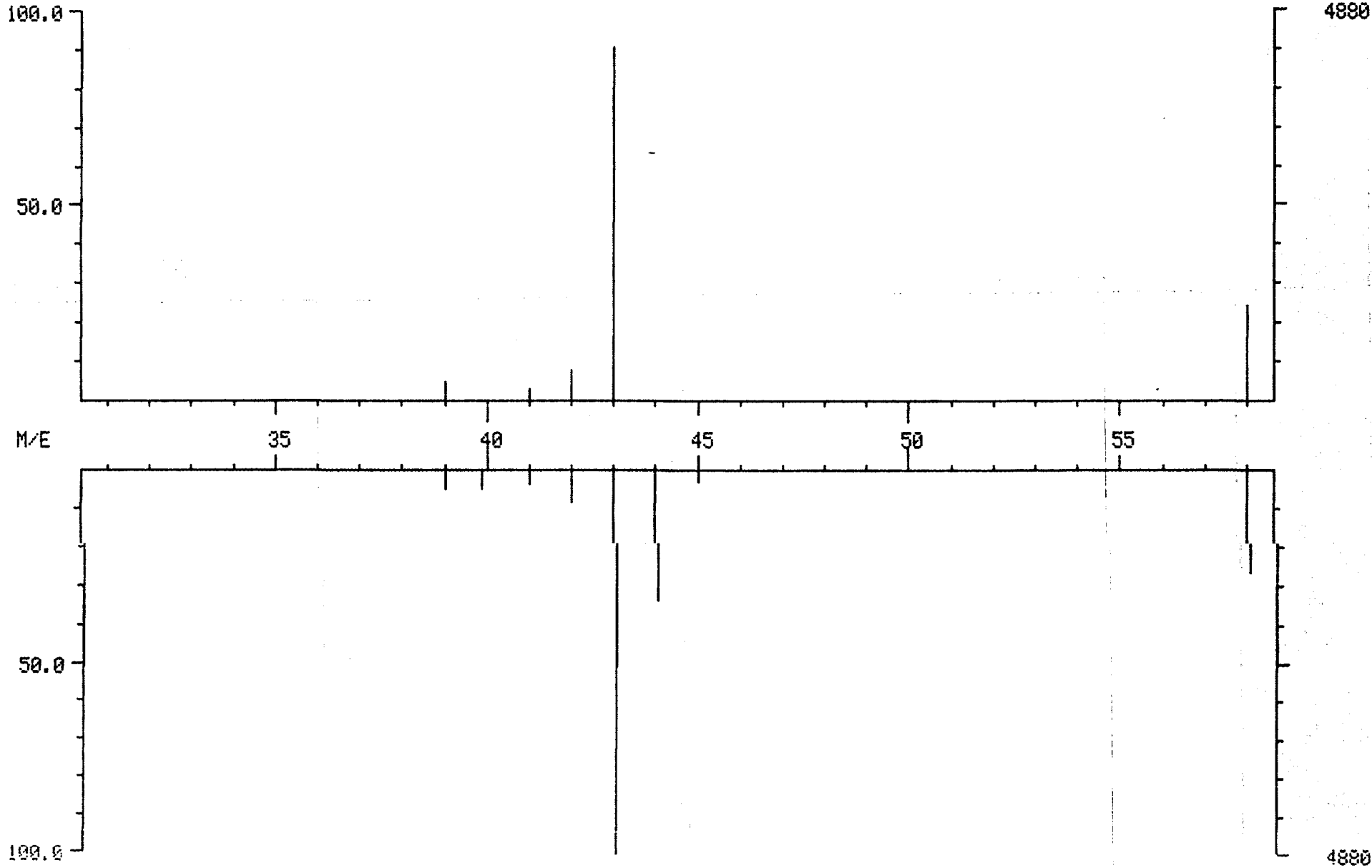
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 16:30
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #483 BASE M/E: 88/ 44
CAL1: EPAVOA872 #1 RIC: 1791./ 2979.



DUAL MASS SPECTRUM
02/26/84 12:56:00 + 9:20
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

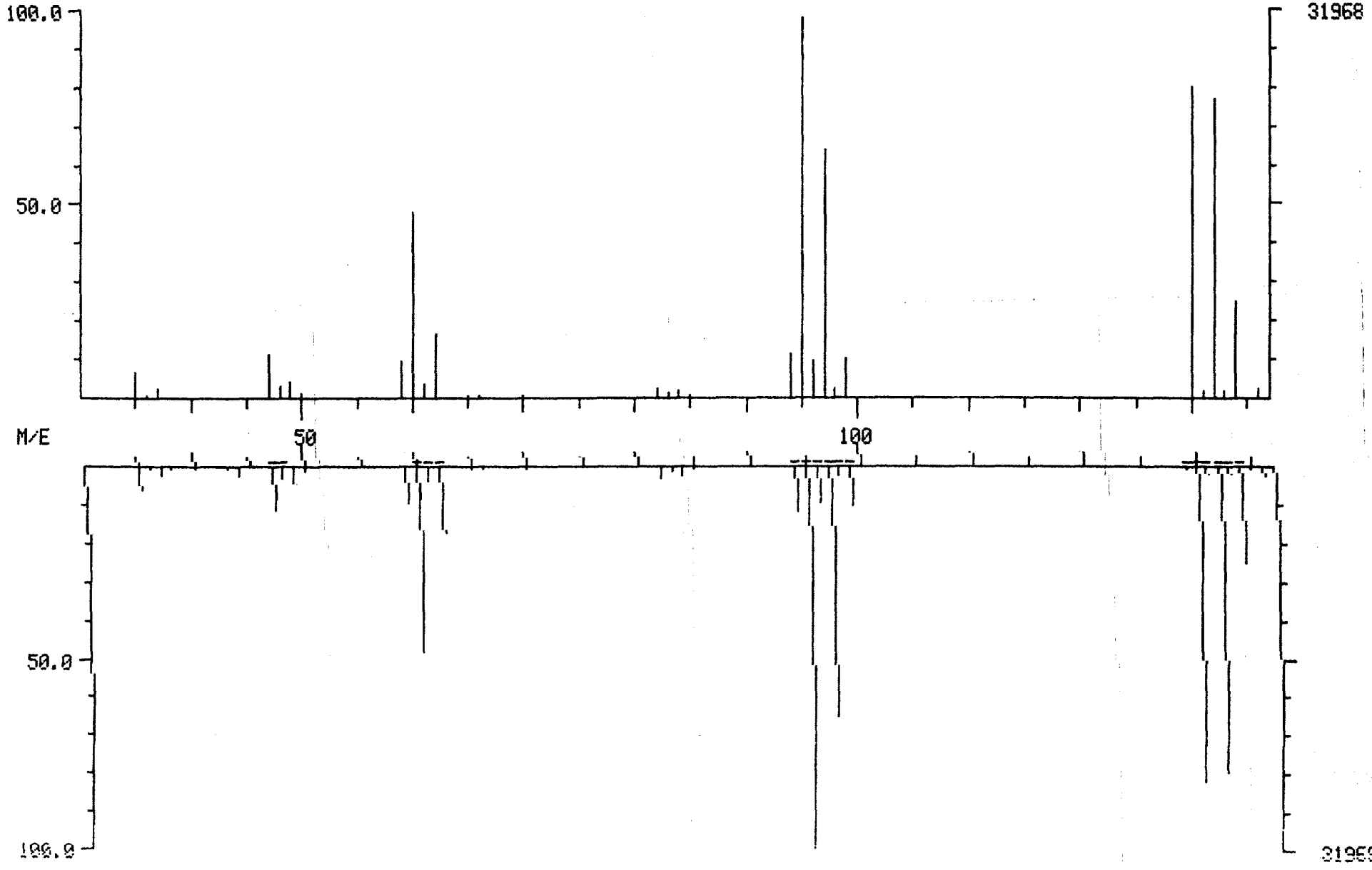
DATA: EPAVOA872 #273 BASE M/E: 43/ 43
CALI: EPAVOA872 #1 RIC: 6351./ 9007.



DUAL MASS SPECTRUM
02/26/84 12:56:00 + 19:33
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

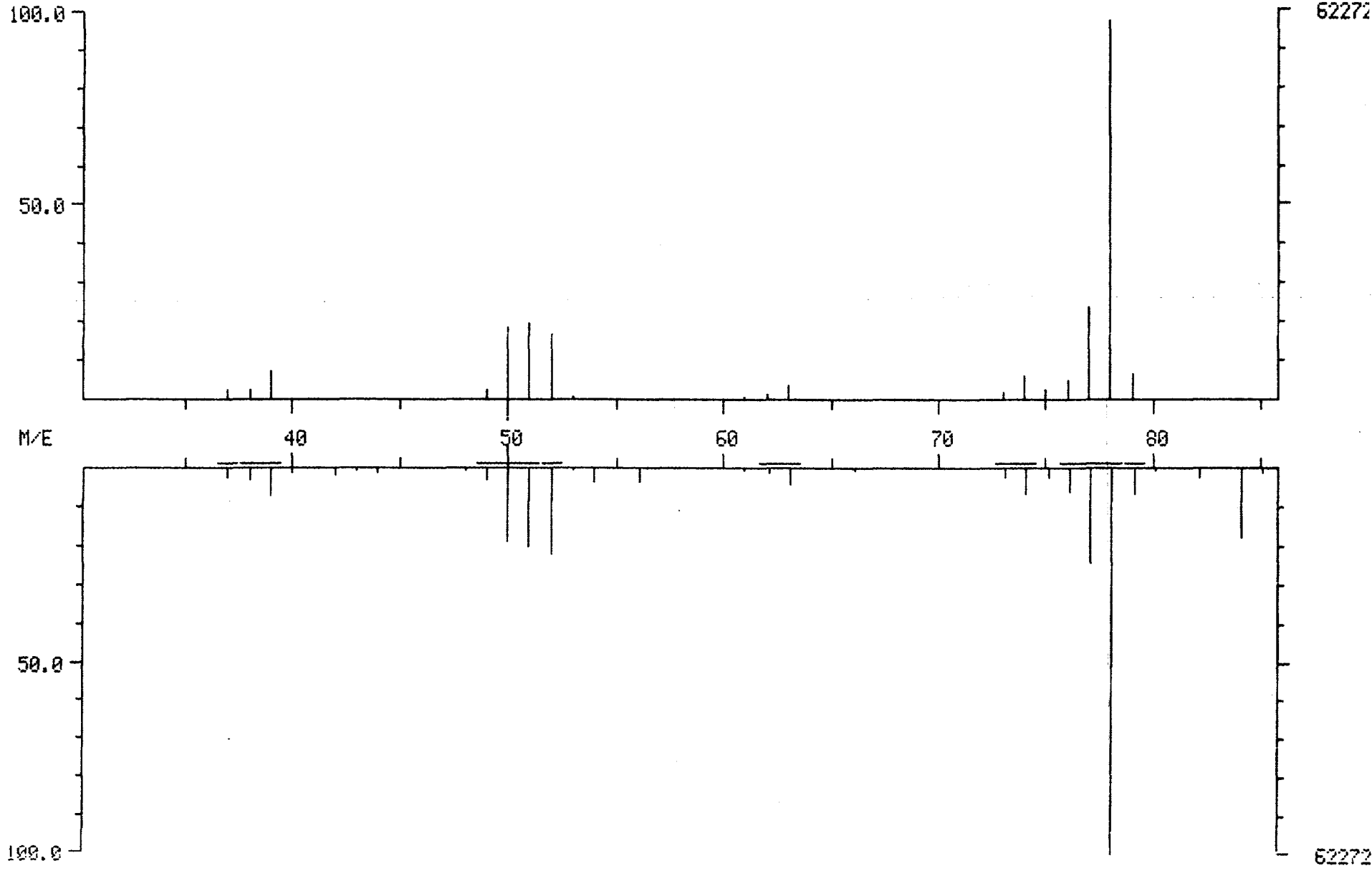
DATA: EPAVOA872 #572
CALI: EPAVOA872 #1

BASE M/E: 95/ 95
RIC: 158719./ 163327.



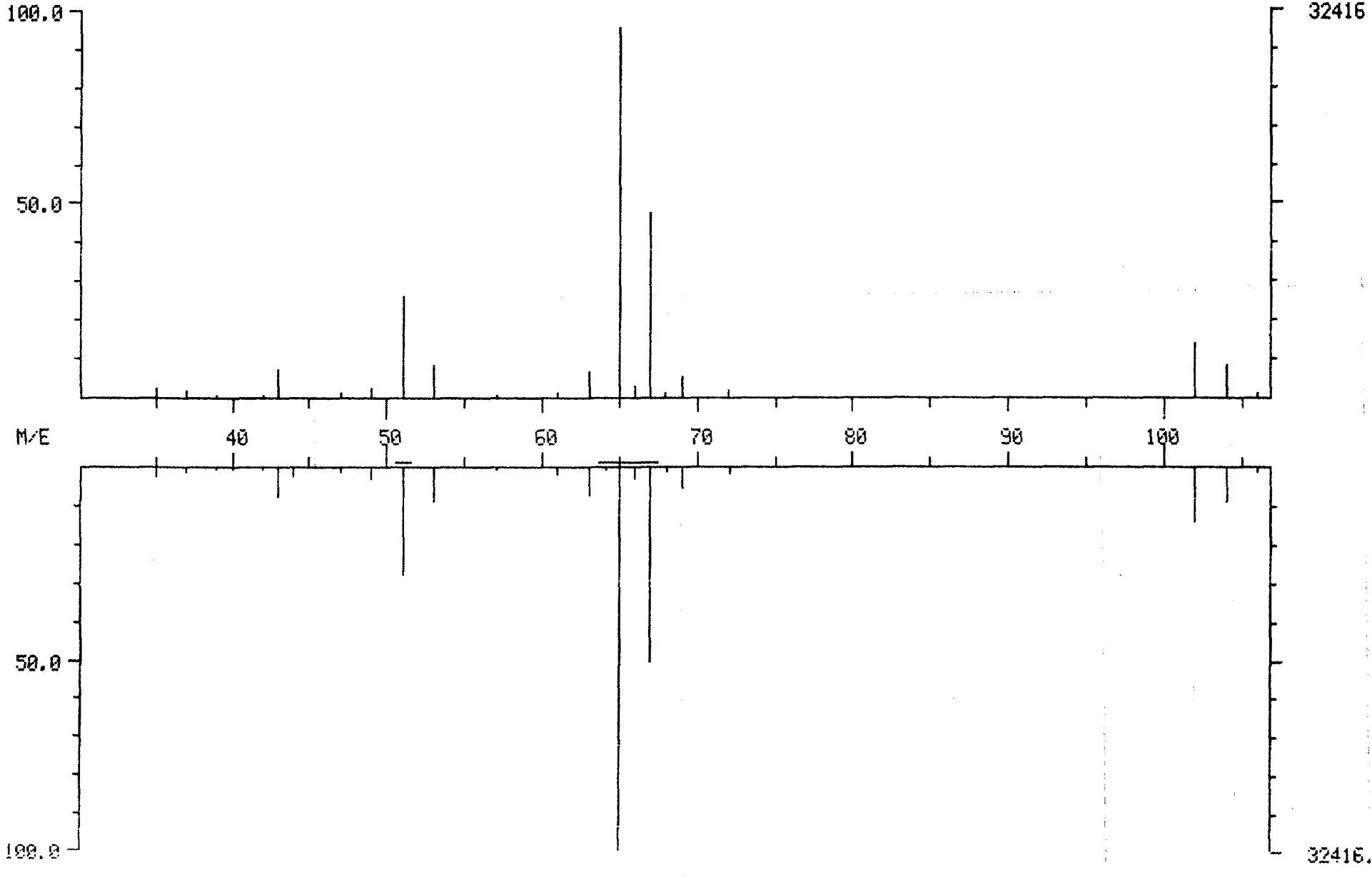
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 20:03
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #587 BASE M/E: 78/ 78
CALI: EPAVOA872 #1 RIC: 135935./ 165119.



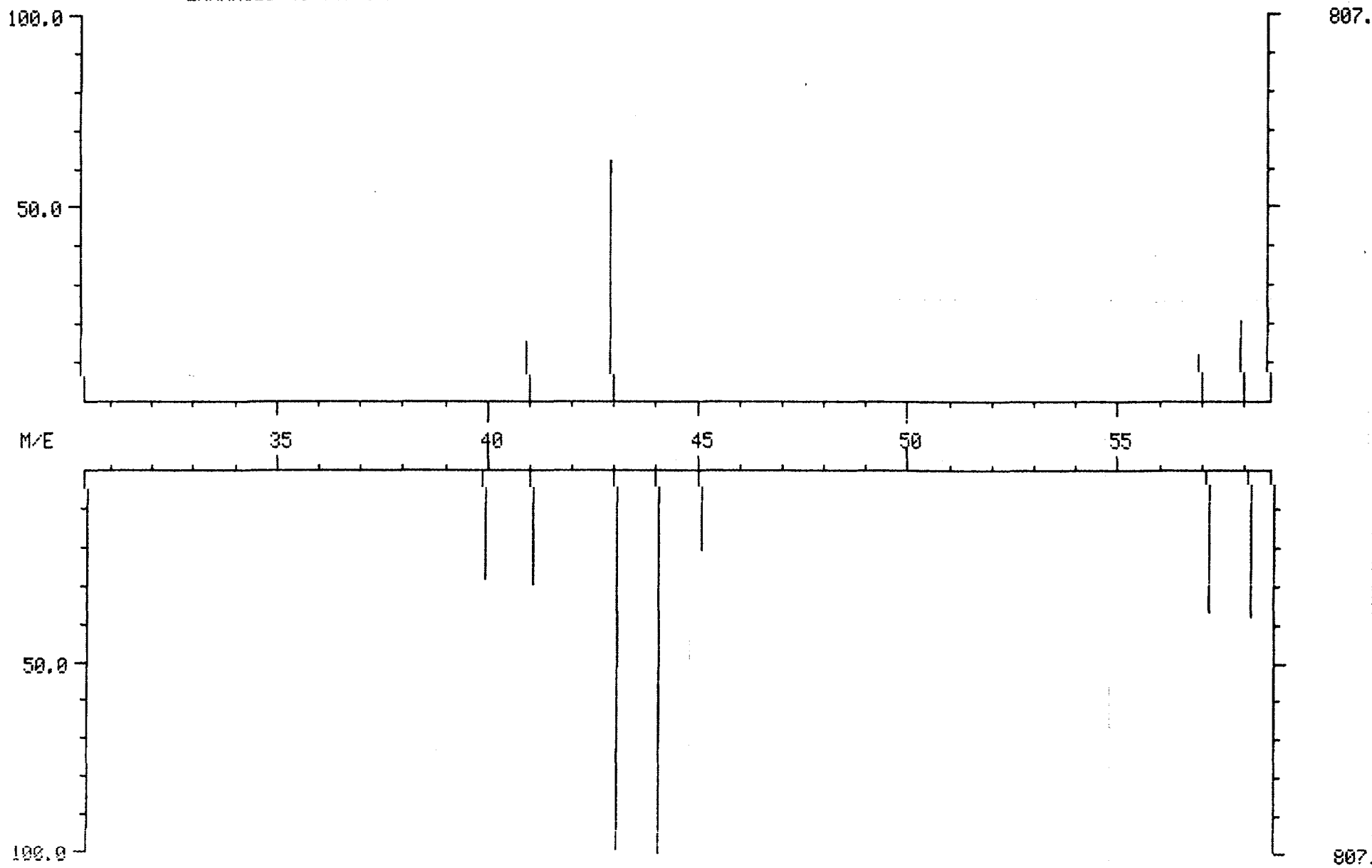
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 14:54
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #436 BASE M/E: 65/ 65
CALI: EPAVOA872 #1 RIC: 76415./ 81535.



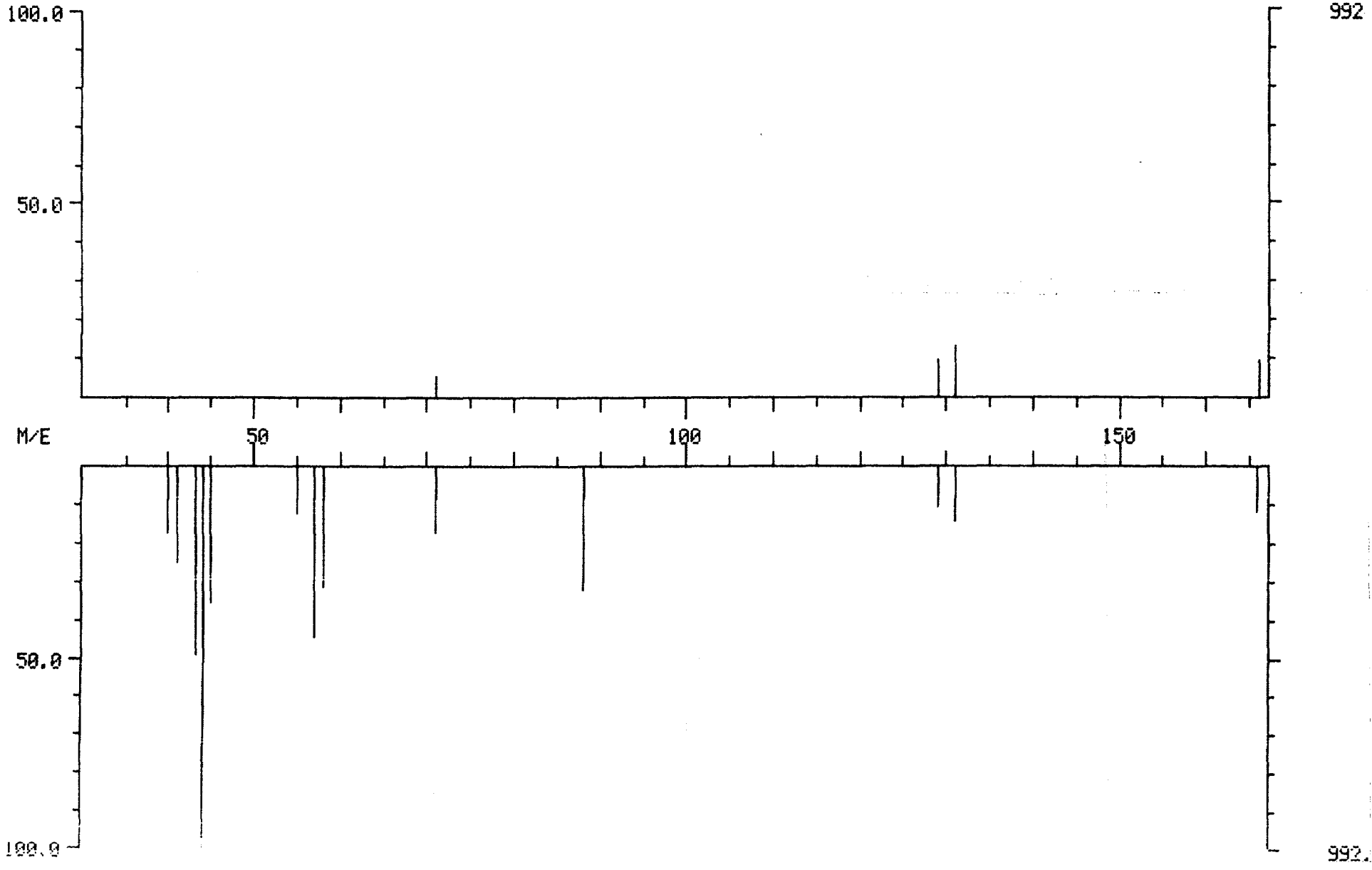
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 23:28
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #687 BASE M/E: 43/ 44
CALI: EPAVOA872 #1 RIC: 887./ 2843.



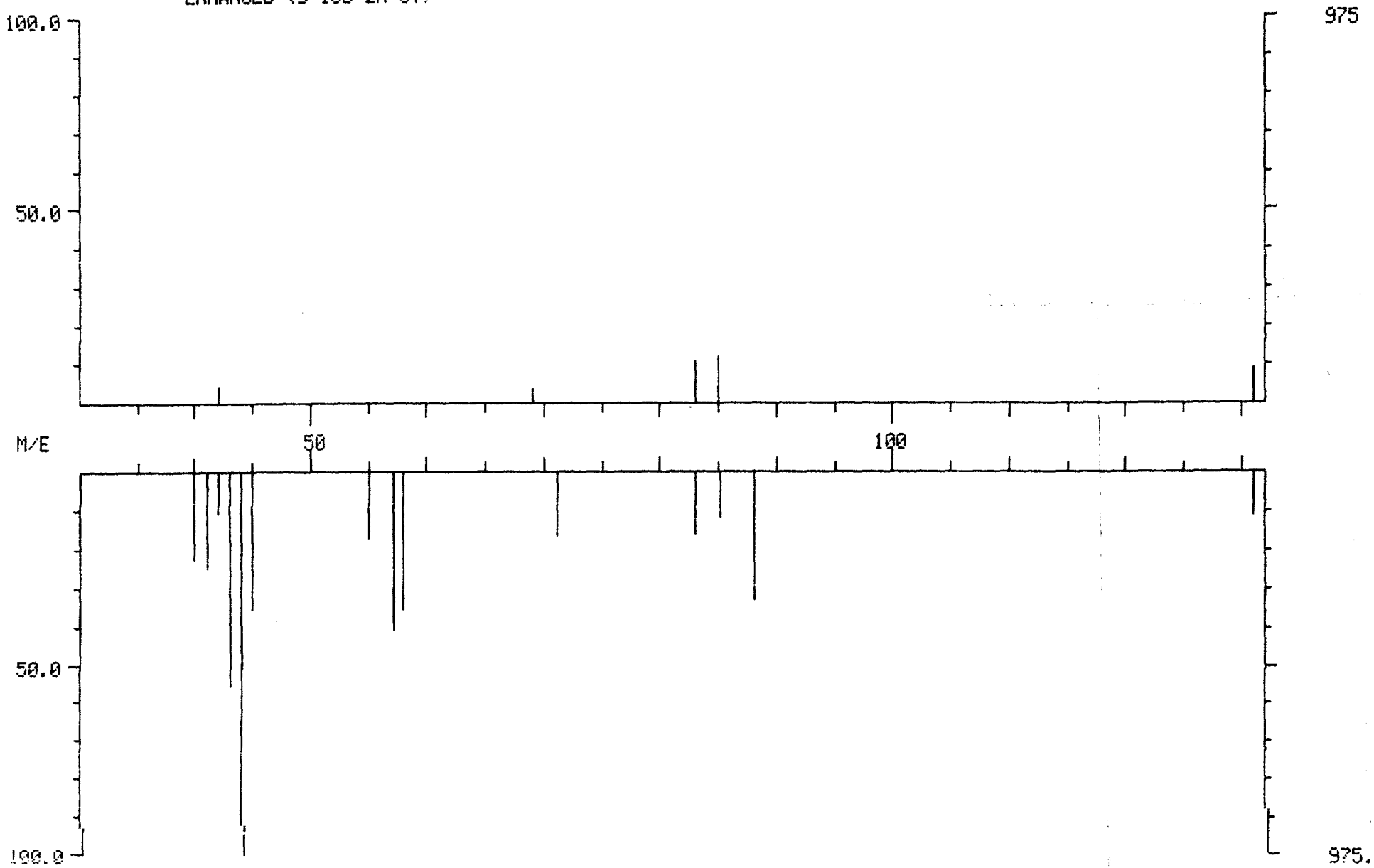
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 25:21
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #742 BASE M/E: 131/ 44
CALI: EPAVOA872 #1 RIC: 375./ 3987.



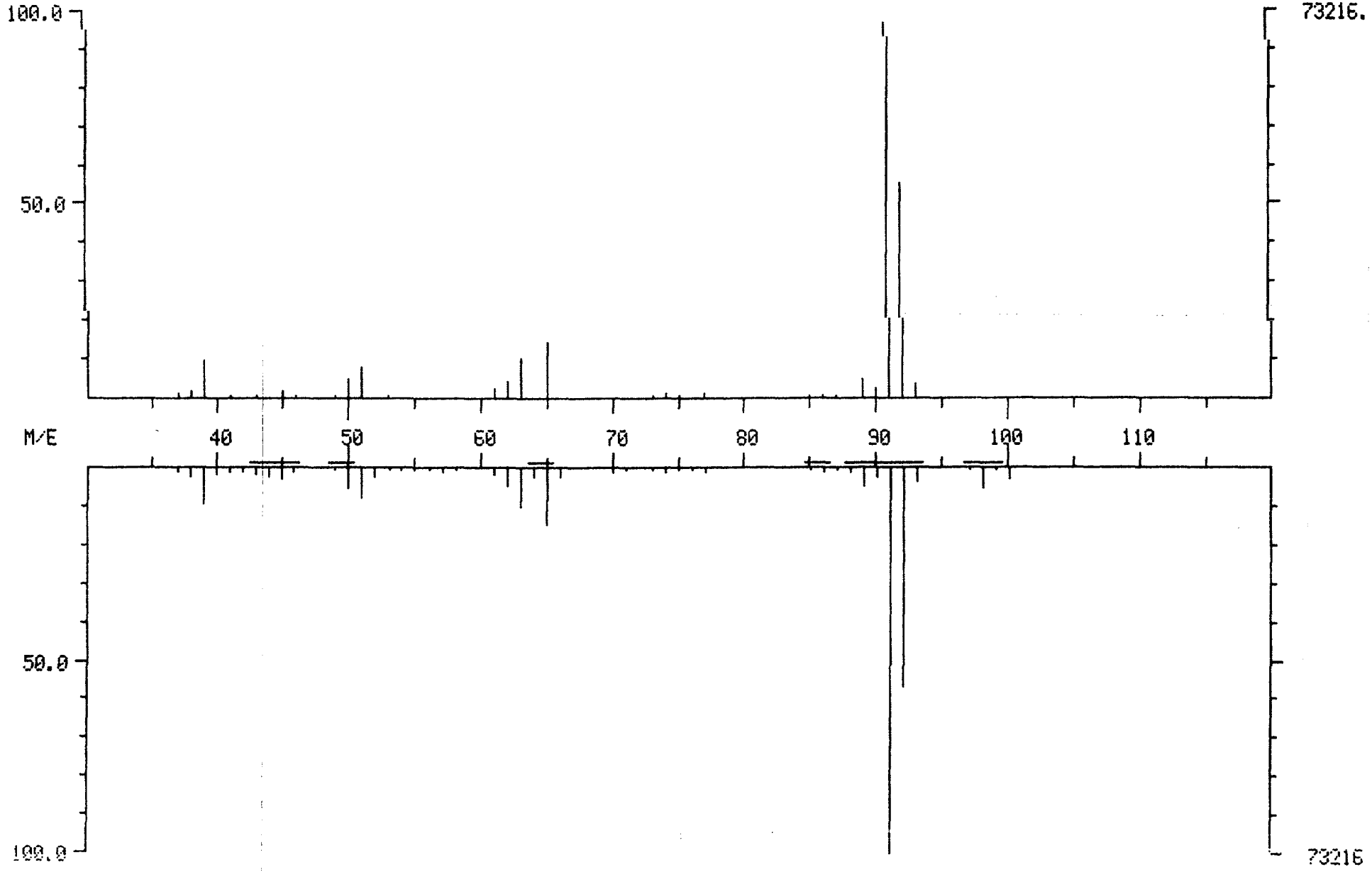
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 25:25
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #744 BASE M/E: 85/ 44
CALI: EPAVOA872 #1 RIC: 378./ 4223.



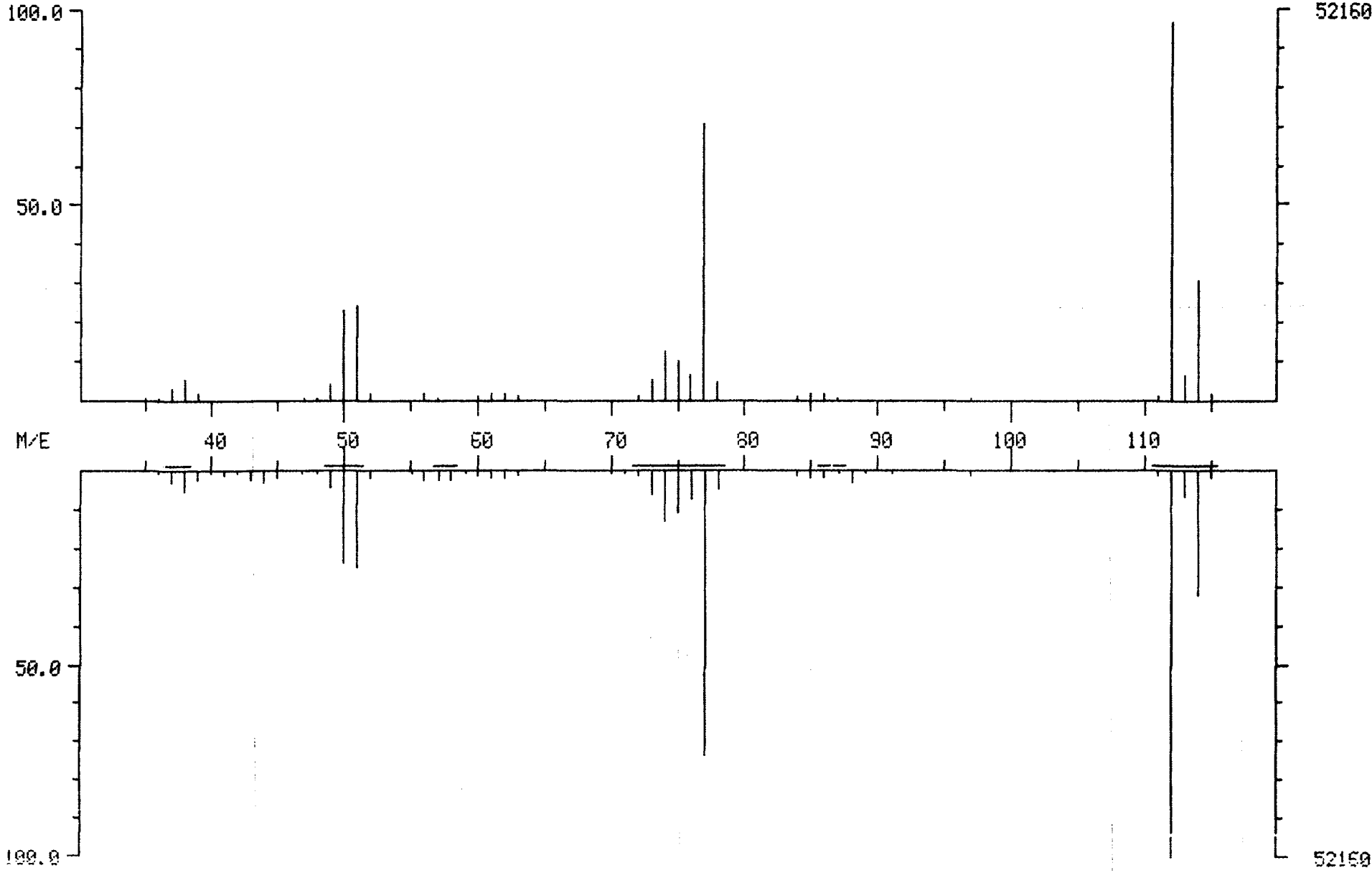
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 26:43
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #782 BASE M/E: 91/ 91
CALI: EPAVOA872 #1 RIC: 167679./ 197631.



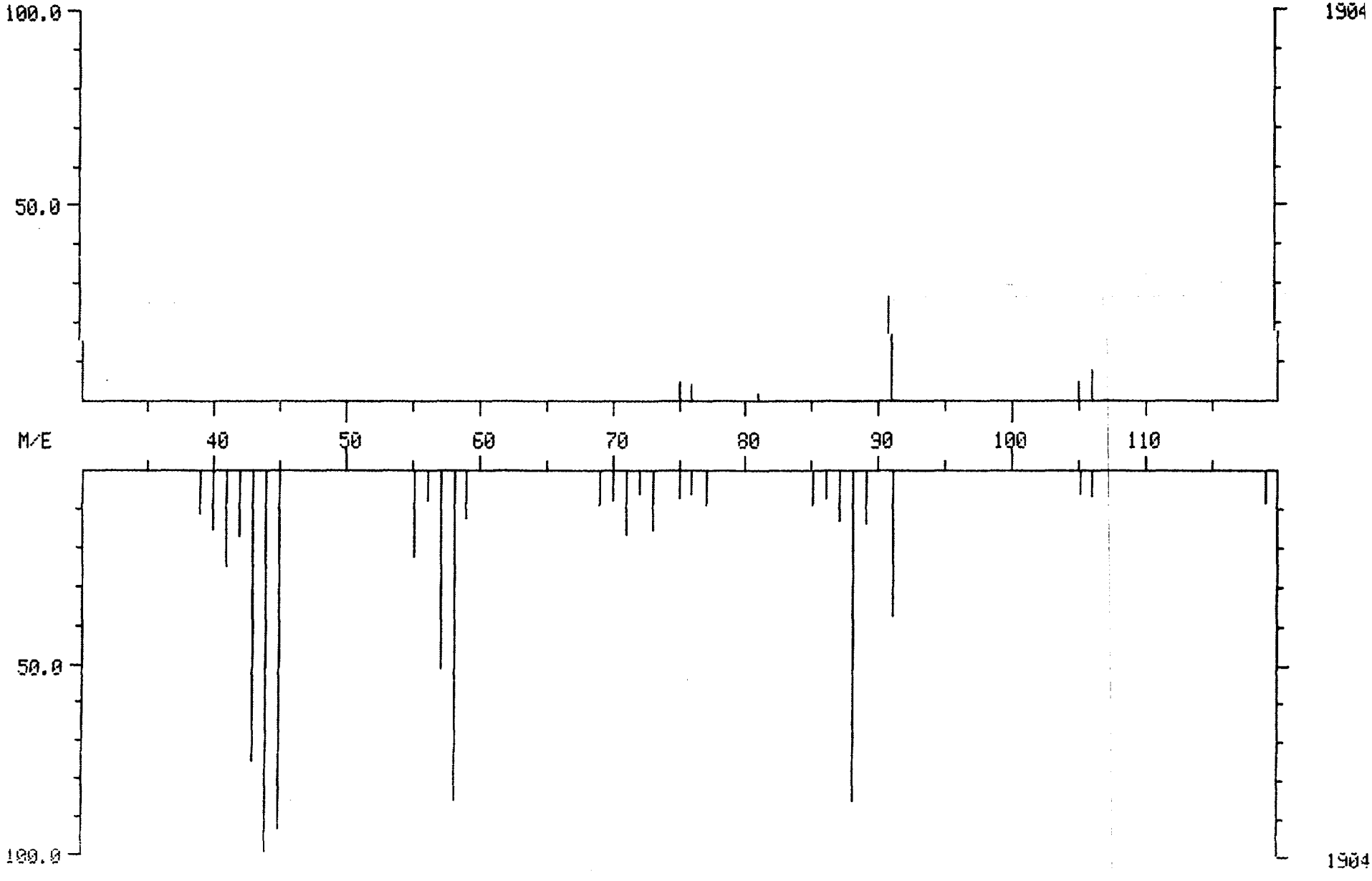
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 27:57
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #818 BASE M/E: 112/ 112
CALI: EPAVOA872 #1 RIC: 171519./ 187903.



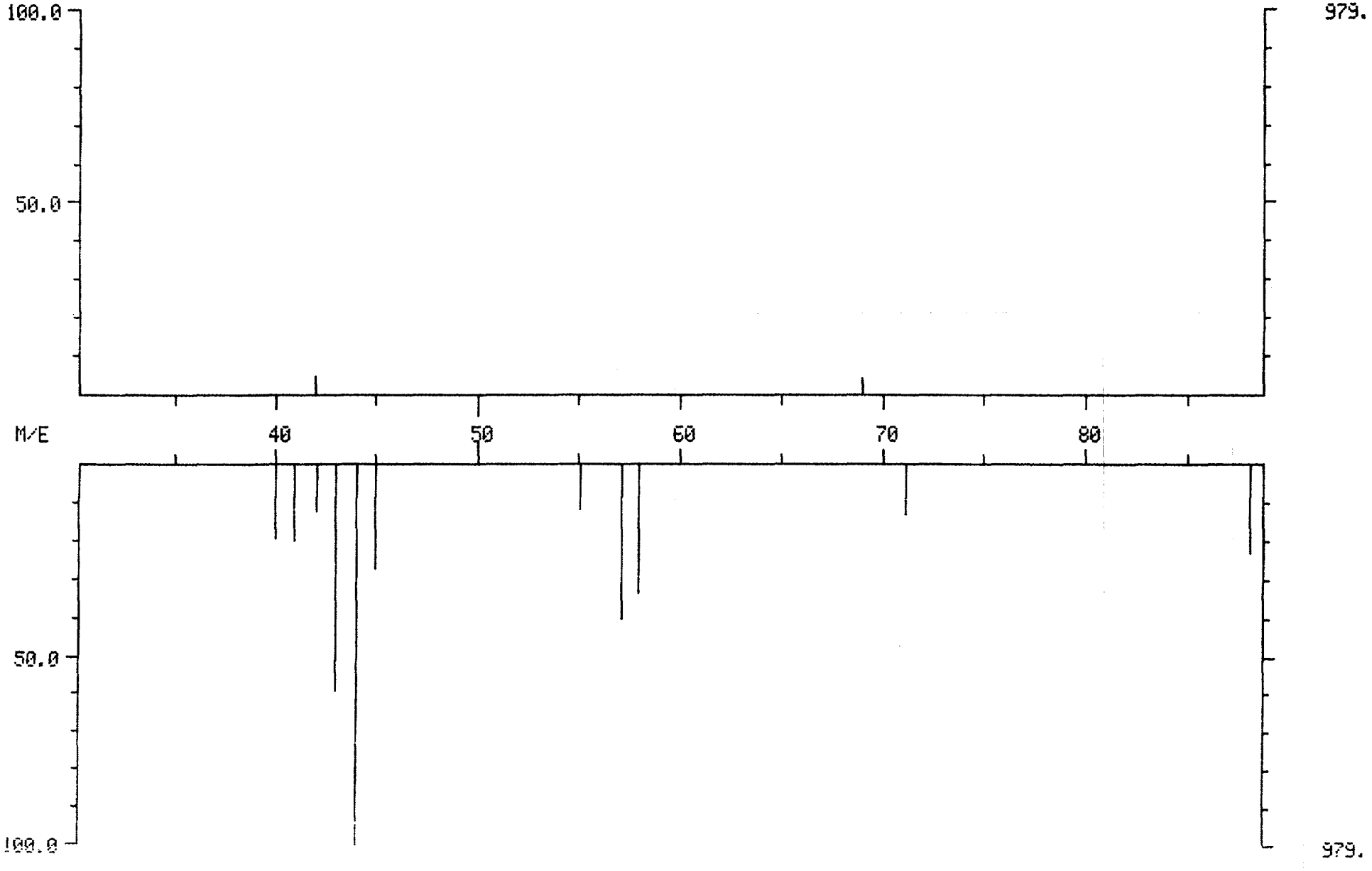
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 30:06
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #881 BASE M/E: 91/ 44
CALI: EPAVOA872 #1 RIC: 951./ 14799.



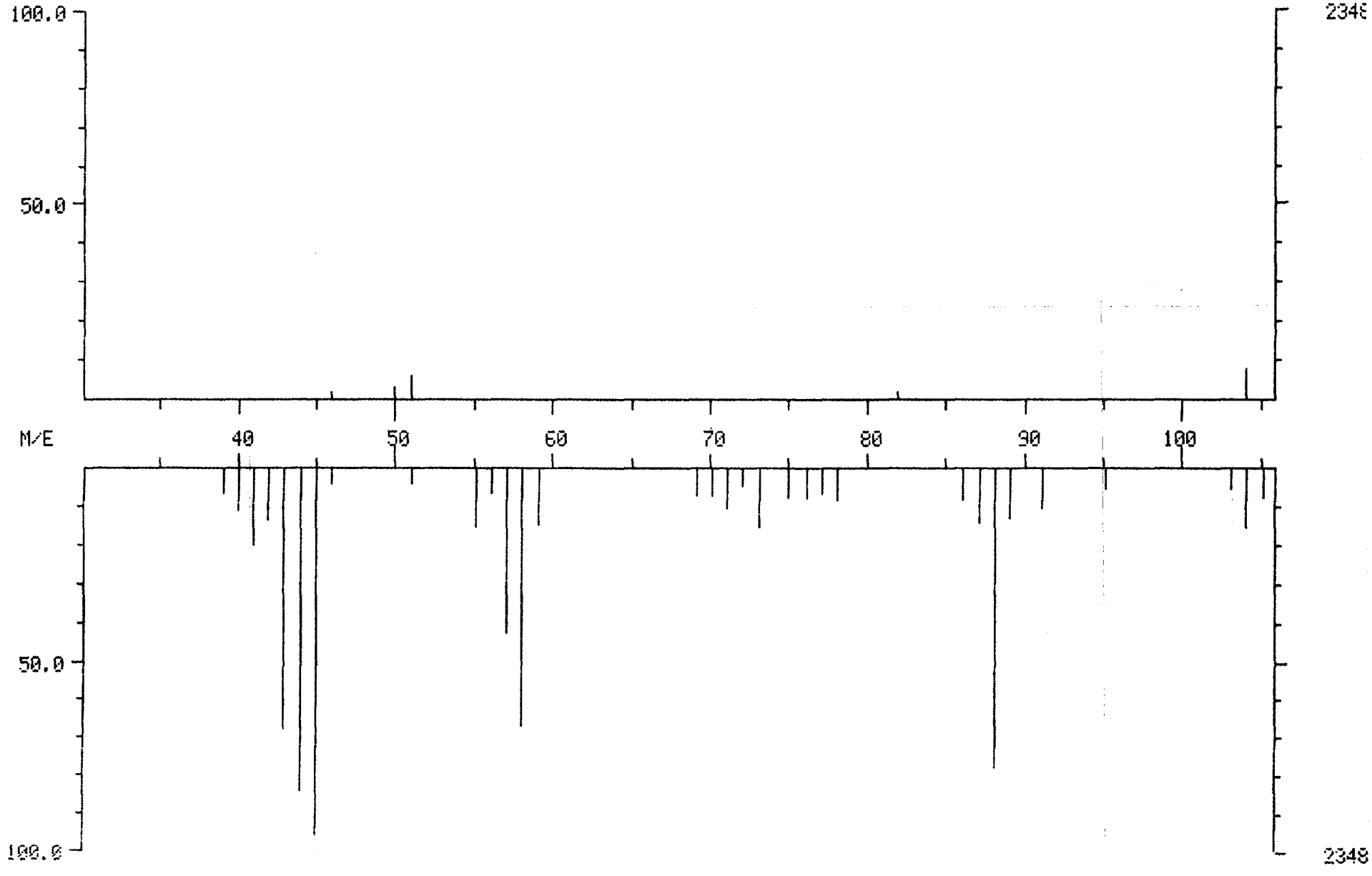
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 25:03
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #733 BASE M/E: 42/ 44
CALI: EPAVOA872 #1 RIC: 83./ 3527.



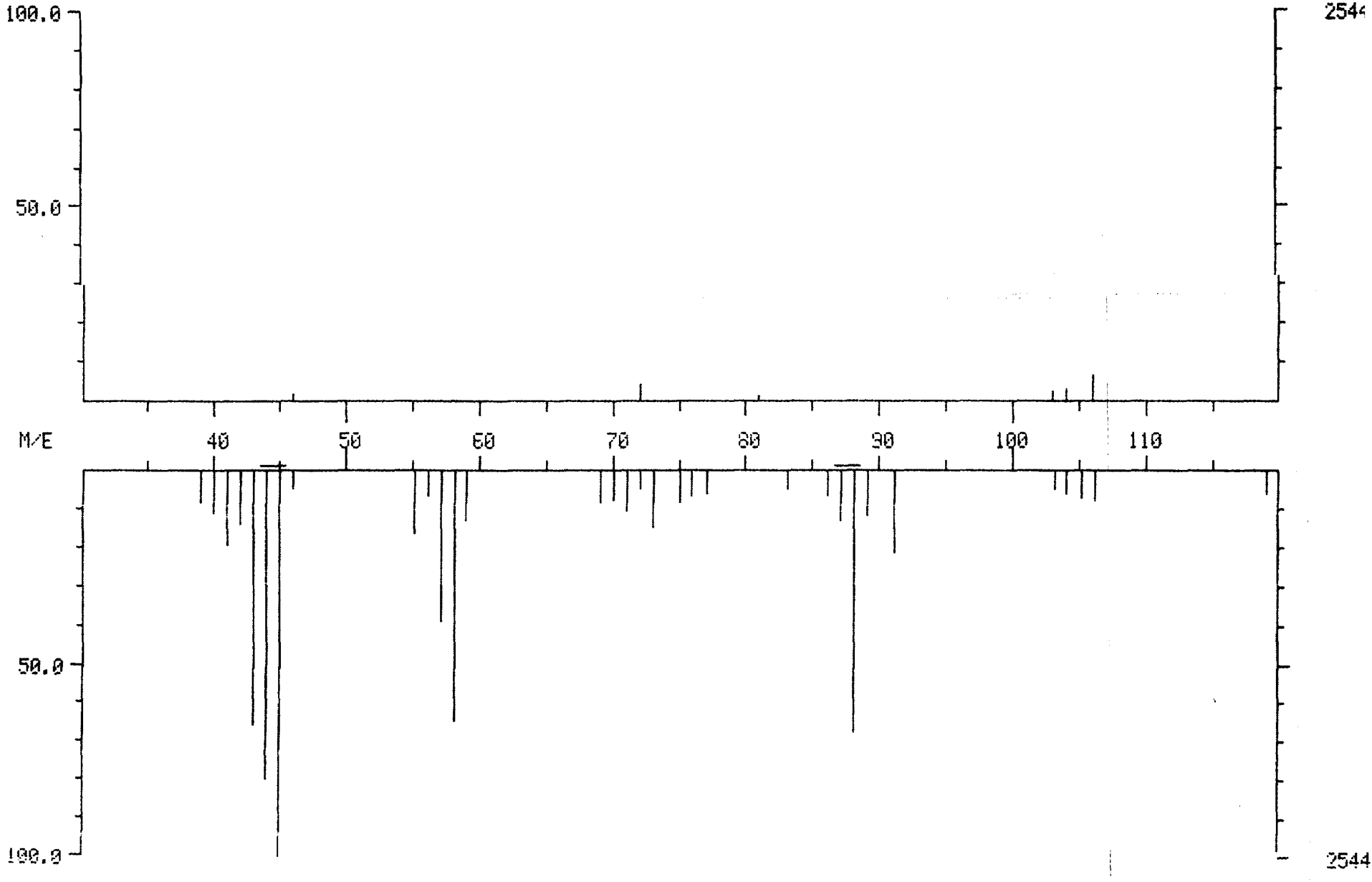
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 34:16
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #1003 BASE M/E: 104/ 45
CALI: EPAVOA872 #1 RIC: 467./ 16255.



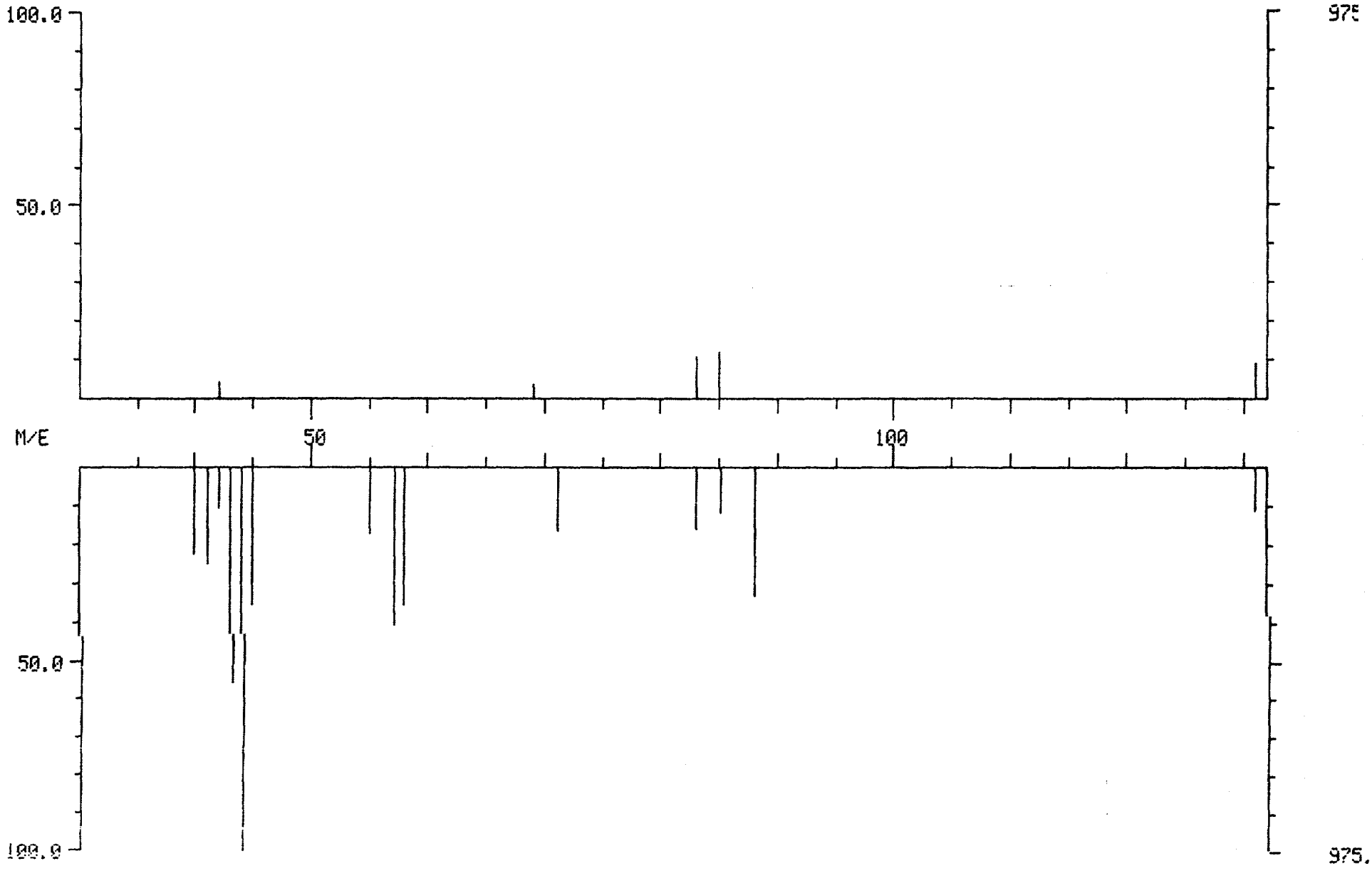
DUAL MASS SPECTRUM
02/26/84 12:56:00 + 35:30
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVOA872 #1039 BASE M/E: 106/ 45
CALI: EPAVOA872 #1 RIC: 485./ 16927.



DUAL MASS SPECTRUM
02/26/84 12:56:00 + 25:25
SAMPLE: 77056-1 DMS
CONDS.:
ENHANCED (S 15B 2N 0T)

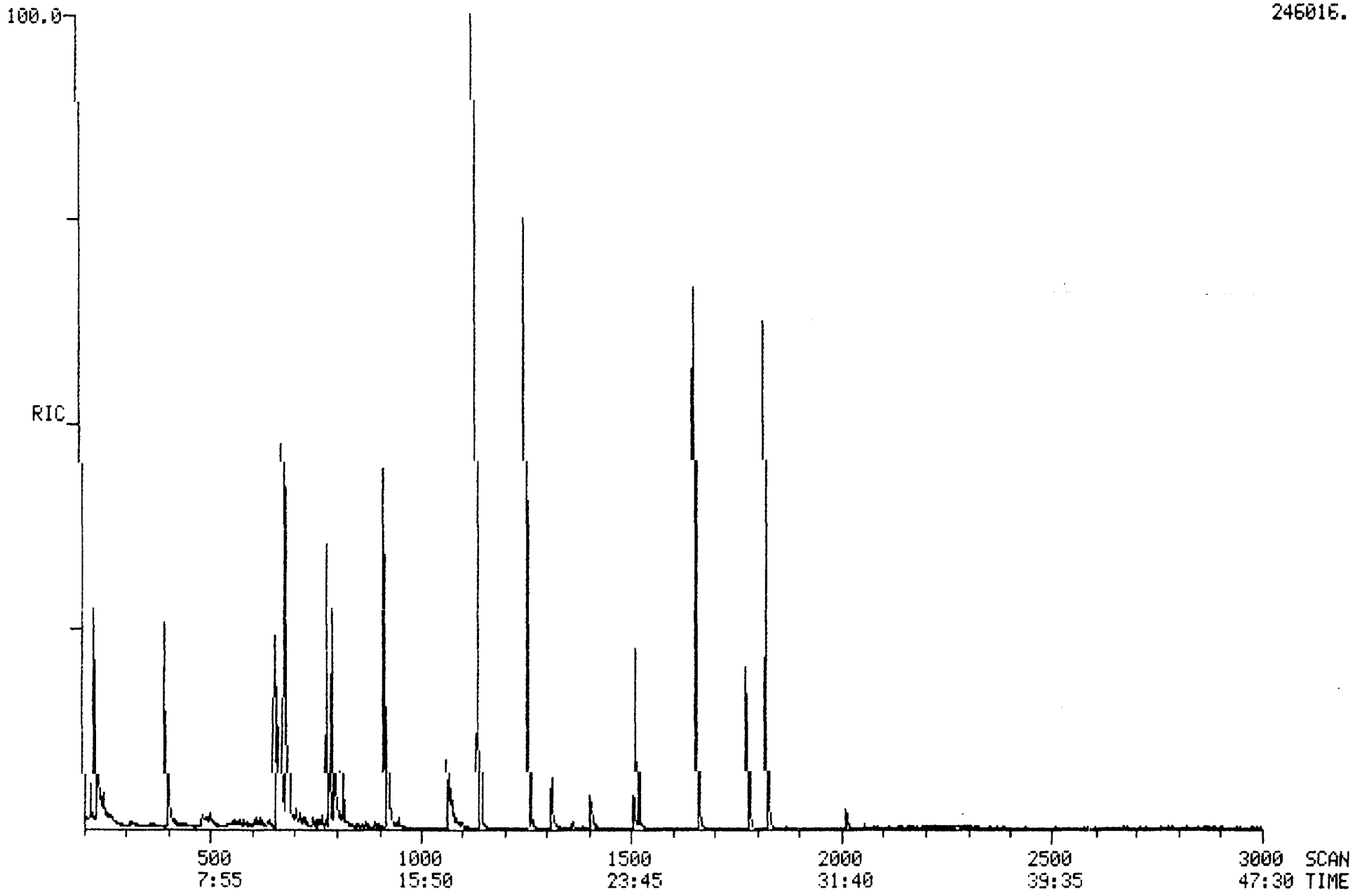
DATA: EPAVOA872 #744 BASE M/E: 85/ 44
CALI: EPAVOA872 #1 RIC: 378./ 4223.



RIC
03/05/84 22:40:00
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
RANGE: G 1,3000 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPABN705 #1
CALI: EPABN705 #1

SCANS 200 TO 3000



QUANTITATION REPORT FILE: EPABN705

DATA: EPABN/05.TI
03/05/84 22:40:00
SAMPLE: 77056-1 D.M.S ABN
SUBMITTED BY: ANALYST:

AMOUNT CALCULATED FROM LINEAR FIT TO AREA/REF AREA
VS. CONC. USING THE 3 CLOSEST DATA POINTS IN .RL

| NO | NAME | |
|---|---|---|
| 1 | * | D-4 1,4-DICHLOROBENZENE |
| 2 | * | D-8 NAPHTHALENE |
| 3 | * | D-10 PHENANTHRENE |
| 4 | * | D-12 CHRYSENE |
| 5 | | N-NITROSODIMETHYLAMINE |
| 6 | | 2-CHLOROPHENOL |
| 7 | | PHENOL |
| 8 | | BIS (2-CHLOROETHYL) ETHER |
| 9 | | 1,3-DICHLOROBENZENE |
| 10 | | 1,4-DICHLOROBENZENE |
| 11 | | 1,2-DICHLOROBENZENE |
| 12 | HSL | ANILINE |
| 13 | HSL | BENZYL ALCOHOL |
| 14 | | 2-FLUOROPHENOL (SURROGATE) |
| 15 | | D-5 PHENOL (SURROGATE) |
| 16 | | BIS(2-CHLOROISOPROPYL)ETHER |
| 17 | | HEXACHLOROETHANE |
| 18 | | N-NITROSODIPROPYLAMINE |
| 19 | | NITROBENZENE |
| 20 | | ISOPHORONE |
| 21 | | 2-NITROPHENOL |
| 22 | | 2,4-DIMETHYLPHENOL |
| 23 | | BIS(2-CHLOROETHOXY)METHANE |
| 24 | | 2,4-DICHLOROPHENOL |
| 25 | | 1,2,4-TRICHLOROBENZENE |
| 26 | | NAPHTHALENE |
| 27 | | HEXACHLOROBUTADIENE |
| 28 | | P-CHLORO-M-CRESOL |
| 29 | | HEXACHLOROCYCLOPENTADIENE |
| 30 | | 2,4,6-TRICHLOROPHENOL |
| 31 | HSL | 2-METHYLPHENOL |
| 32 | HSL | 4 METHYLPHENOL |
| 33 | HSL | BENZOIC ACID |
| 34 | HSL | 4-CHLOROANILINE |
| 35 | HSL | 2-METHYLNAPHTHALENE |
| 36 | | D-5 NITROBENZENE (SURROGATE) |
| 37 | | 2-FLUOROBIPHENYL (SURROGATE) |
| 38 | | 2-CHLORONAPHTHALENE |
| 39 | | DIMETHYL PHTHALATE |
| 40 | | ACENAPHTHYLENE |
| 41 | | 2,6-DINITROTOLUENE |
| 42 | | ACENAPHTHENE |
| 43 | | 2,4-DINITROPHENOL |
| 44 | | 4-NITROPHENOL |
| 45 | | 2,4-DINITROTOLUENE |
| 46 | | FLUORENE |

| NO | NAME | |
|---|---|---|
| 47 | | 4-CHLOROPHENYL PHENYL ETHER |
| 48 | | DIETHYL PHTHALATE |
| 49 | | 4,6-DINITRO-2-METHYLPHENOL |
| 50 | | N-NITROSODIPHENYLAMINE |
| 51 | | 1,2-DIPHENYLHYDRAZINE |
| 52 | | 4-BROMOPHENYL PHENYL ETHER |
| 53 | | HEXACHLOROBENZENE |
| 54 | | PENTACHLOROPHENOL |
| 55 | | PHENANTHRENE |
| 56 | | ANTHRACENE |
| 57 | | DI-N-BUTYL PHTHALATE |
| 58 | | FLUORANTHENE |
| 59 | HSL | 2,4,5-TRICHLOROPHENOL |
| 60 | HSL | 2 NITROANILINE |
| 61 | HSL | 3-NITROANILINE |
| 62 | HSL | DIBENZOFURAN |
| 63 | HSL | 4-NITROANILINE |
| 64 | | 2,4,6-TRIBROMOPHENOL (SURROGATE) |
| 65 | | BENZIDINE |
| 66 | | PYRENE |
| 67 | | BENZYL BUTYL PHTHALATE |
| 68 | | BENZO(A)ANTHRACENE |
| 69 | | 3,3'-DICHLOROBENZIDINE |
| 70 | | CHRYSENE |
| 71 | | BIS(2-ETHYLHEXYL) PHTHALATE |
| 72 | | D-14 TERPHENYL (SURROGATE) |
| 73 | * | D-12 BENZO(A)PYRENE |
| 74 | | DI-N-OCTYL PHTHALATE |
| 75 | | BENZO(B)FLUORANTHENE |
| 76 | | BENZO(K)FLUORANTHENE |
| 77 | | BENZO(A)PYRENE |
| 78 | | INDENO(1,2,3-CD)PYRENE |
| 79 | | DIBENZO(A,H)ANTHRACENE |
| 80 | | BENZO(GHI)PERYLENE |

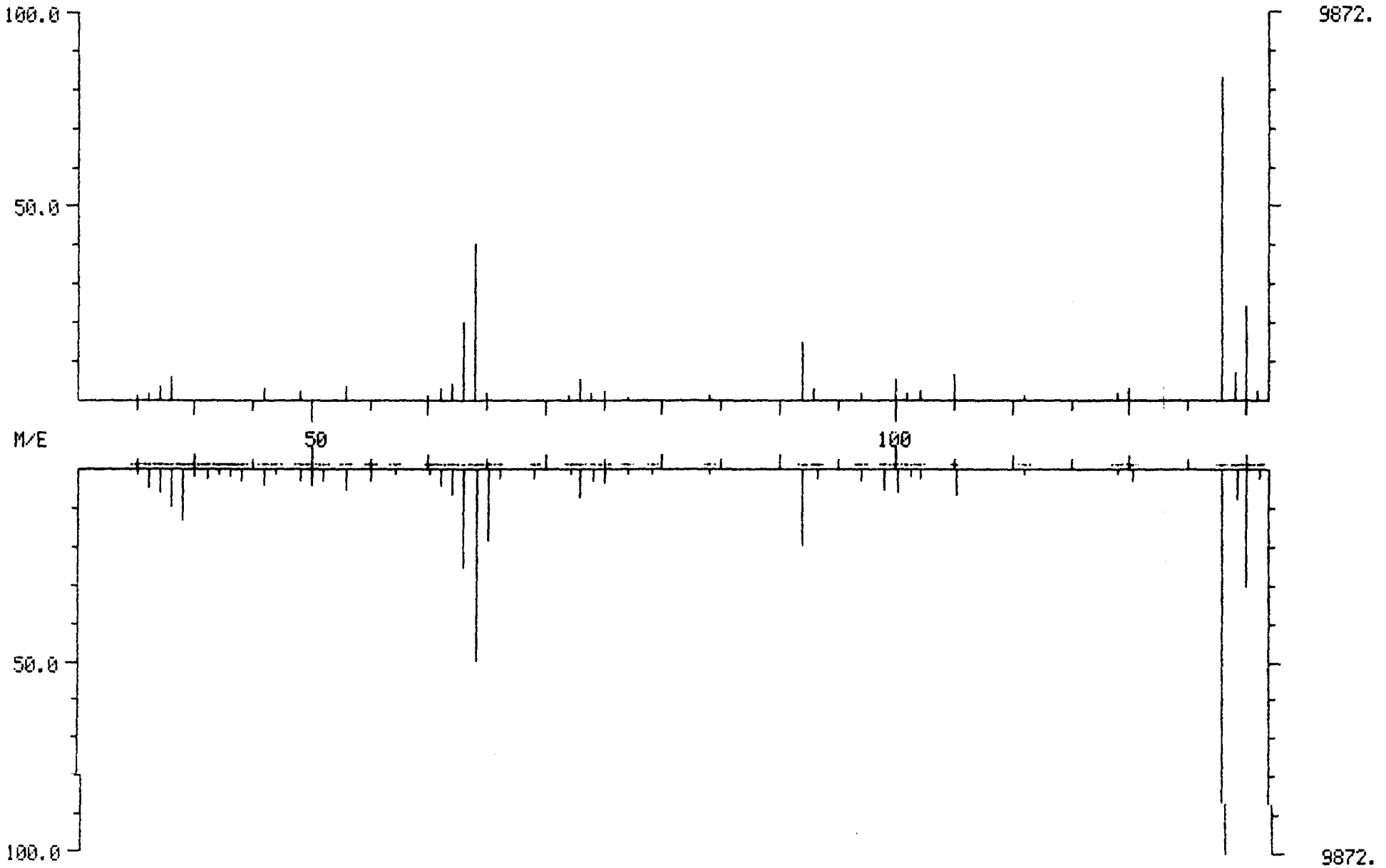
| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|

| NO | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | %TOT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 152 | 681 | 10:47 | 1 | 1.000 | A BB | 30913. | 20.000 UG/ML | 2.41 |
| 2 | 136 | 923 | 14:37 | 2 | 1.000 | A BB | 87725. | 20.000 UG/ML | 2.41 |
| 3 | 188 | 1519 | 24:03 | 3 | 1.000 | A BV | 50221. | 20.000 UG/ML | 2.41 |
| 4 | 240 | 2011 | 31:50 | 4 | 1.000 | A BV | 13637. | 20.000 UG/ML | 2.41 |
| 5 | NOT FOUND | | | | | | | | |
| 6 | 128 | 657 | 10:24 | 1 | 0.965 | A BB | 68343. | 33.204 UG/ML | 4.00 |
| 7 | 94 | 660 | 10:27 | 1 | 0.969 | A BB | 67122. | 30.928 UG/ML | 3.72 |
| 8 | NOT FOUND | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | |
| 10 | 146 | 684 | 10:50 | 1 | 1.004 | A BB | 97917. | 35.604 UG/ML | 4.29 |
| 11 | NOT FOUND | | | | | | | | |
| 12 | NOT FOUND | | | | | | | | |
| 13 | NOT FOUND | | | | | | | | |
| 14 | 112 | 482 | 7:38 | 1 | 0.708 | A BB | 11580. | 22.263 UG/ML | 2.68 |
| 15 | 99 | 659 | 10:26 | 1 | 0.968 | A BB | 25854. | 16.457 UG/ML | 1.98 |
| 16 | NOT FOUND | | | | | | | | |
| 17 | NOT FOUND | | | | | | | | |
| 18 | 70 | 784 | 12:25 | 2 | 0.849 | A BV | 53683. | 37.416 UG/ML | 4.51 |
| 19 | NOT FOUND | | | | | | | | |
| ~~20~~ | ~~82~~ | ~~852~~ | ~~13:29~~ | ~~2~~ | ~~0.923~~ | ~~A*BB~~ | ~~680.~~ | ~~-8.835 UG/ML~~ | ~~-1.05~~ |
| 21 | NOT FOUND | | | | | | | | |
| 22 | NOT FOUND | | | | | | | | |
| 23 | NOT FOUND | | | | | | | | |
| 24 | NOT FOUND | | | | | | | | |
| 25 | 180 | 918 | 14:32 | 2 | 0.995 | A BB | 65934. | 36.122 UG/ML | 4.35 |
| ~~26~~ | ~~128~~ | ~~926~~ | ~~14:40~~ | ~~2~~ | ~~1.003~~ | ~~A BB~~ | ~~459.~~ | ~~-19.454 UG/ML~~ | ~~-2.33~~ |
| 27 | NOT FOUND | | | | | | | | |
| 28 | 142 | 1068 | 16:55 | 2 | 1.157 | A BB | 33031. | 18.058 UG/ML | 2.17 |
| 29 | NOT FOUND | | | | | | | | |
| 30 | NOT FOUND | | | | | | | | |
| 31 | NOT FOUND | | | | | | | | |
| 32 | NOT FOUND | | | | | | | | |
| 33 | NOT FOUND | | | | | | | | |
| 34 | NOT FOUND | | | | | | | | |
| 35 | 142 | 1068 | 16:55 | 2 | 1.157 | A BB | 33031. | 23.421 UG/ML | 2.82 |
| 36 | 82 | 797 | 12:37 | 2 | 0.863 | A BV | 81448. | 49.525 UG/ML | 5.96 |
| 37 | 172 | 1145 | 18:08 | 2 | 1.241 | A BV | 156315. | 46.941 UG/ML | 5.65 |
| 38 | NOT FOUND | | | | | | | | |
| 39 | NOT FOUND | | | | | | | | |
| ~~40~~ | ~~152~~ | ~~1229~~ | ~~19:28~~ | ~~3~~ | ~~0.809~~ | ~~A BB~~ | ~~805.~~ | ~~-10.866 UG/ML~~ | ~~-1.30~~ |
| 41 | NOT FOUND | | | | | | | | |
| 42 | 153 | 1261 | 19:58 | 3 | 0.830 | A BB | 121455. | 49.988 UG/ML | 6.02 |
| 43 | NOT FOUND | | | | | | | | |
| 44 | NOT FOUND | | | | | | | | |
| 45 | 165 | 1312 | 20:46 | 3 | 0.864 | A BV | 14112. | 30.125 UG/ML | 3.63 |
| 46 | NOT FOUND | | | | | | | | |
| 47 | NOT FOUND | | | | | | | | |
| ~~48~~ | ~~149~~ | ~~1363~~ | ~~21:35~~ | ~~3~~ | ~~0.897~~ | ~~A BB~~ | ~~460.~~ | ~~-6.593 UG/ML~~ | ~~-0.78~~ |
| 49 | NOT FOUND | | | | | | | | |
| 50 | NOT FOUND | | | | | | | | |
| 51 | NOT FOUND | | | | | | | | |
| 52 | NOT FOUND | | | | | | | | |
| 53 | NOT FOUND | | | | | | | | |
| 54 | 266 | 1506 | 23:51 | 3 | 0.991 | A BB | 9340. | 34.025 UG/ML | 4.10 |
| 55 | NOT FOUND | | | | | | | | |
| 56 | NOT FOUND | | | | | | | | |

| 0 | M/E | SCAN | TIME | REF | RRT | METH | AREA(HGHT) | AMOUNT | | %TOT |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 149 | 1663 | 26:20 | 3 | 1.095 | A BB | 205494. | 53.255 | UG/ML | 6.41 |
| 8 | NOT FOUND | | | | | | | | | |
| 9 | NOT FOUND | | | | | | | | | |
| 0 | NOT FOUND | | | | | | | | | |
| 1 | 65 | 1262 | 19:59 | 3 | 0.831 | A BB | 795. | 39.758 | UG/ML | 4.79 |
| 2 | NOT FOUND | | | | | | | | | |
| 3 | NOT FOUND | | | | | | | | | |
| 54 | 330 | 1404 | 22:14 | 3 | 0.924 | A BB | 7272. | 26.416 | UG/ML | 3.18 |
| 65 | NOT FOUND | | | | | | | | | |
| 66 | 202 | 1782 | 28:13 | 4 | 0.886 | A BB | 64879. | 43.946 | UG/ML | 5.29 |
| 67 | NOT FOUND | | | | | | | | | |
| 68 | NOT FOUND | | | | | | | | | |
| 69 | NOT FOUND | | | | | | | | | |
| 70 | NOT FOUND | | | | | | | | | |
| 71 | 149 | 2055 | 32:32 | 4 | 1.022 | A BB | 596. | 4.619 | UG/ML | 0.56 |
| 72 | 244 | 1828 | 28:57 | 4 | 0.909 | A BB | 145184. | 164.405 | UG/ML | 19.80 |
| 73 | NOT FOUND | | | | | | | | | |
| 74 | NOT FOUND | | | | | | | | | |
| 75 | NOT FOUND | | | | | | | | | |
| 76 | NOT FOUND | | | | | | | | | |
| 77 | NOT FOUND | | | | | | | | | |
| 78 | NOT FOUND | | | | | | | | | |
| 79 | NOT FOUND | | | | | | | | | |
| 80 | NOT FOUND | | | | | | | | | |

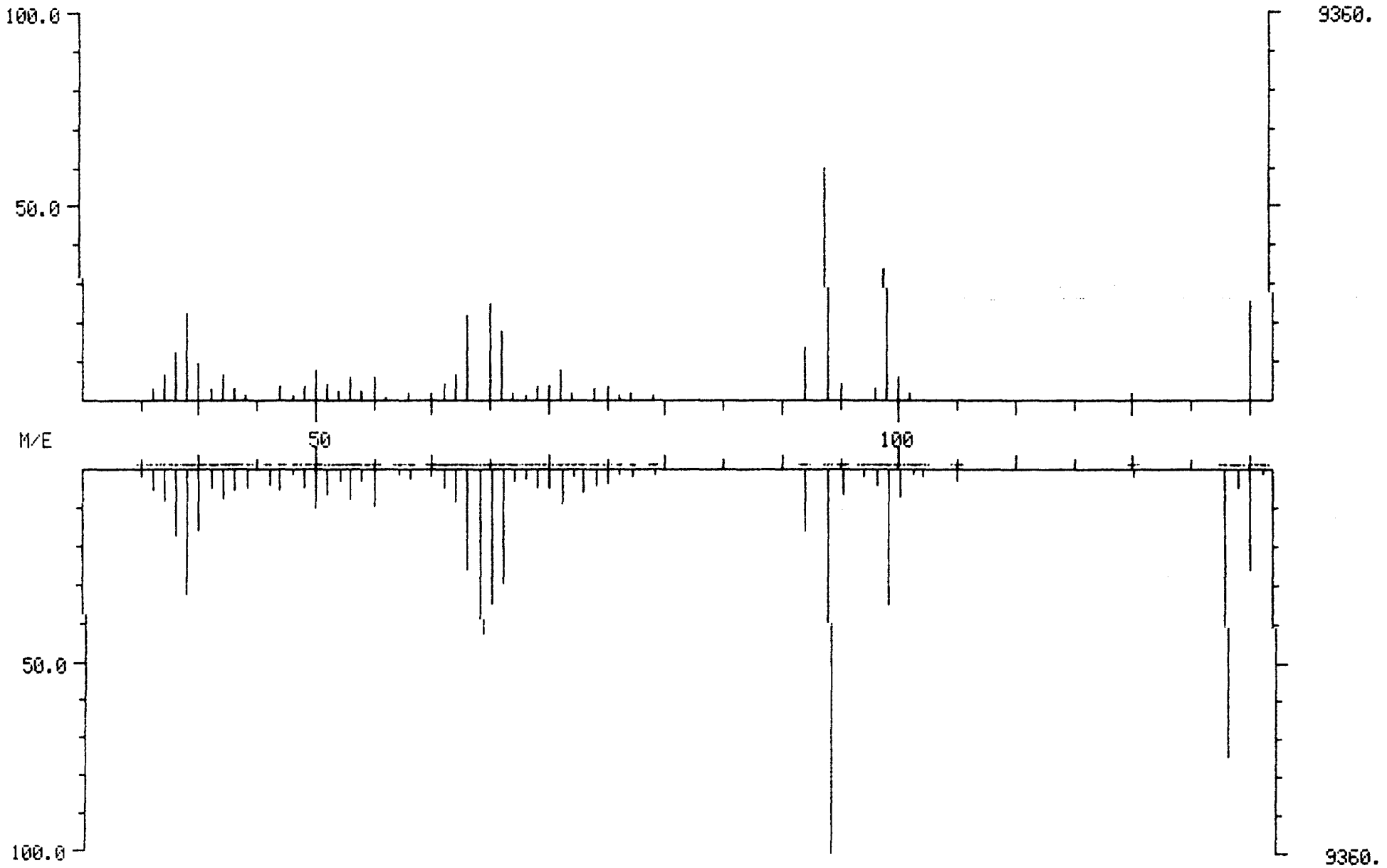
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 10:24
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #657 BASE M/E: 128/ 128
CALI: EPABN705 #1 RIC: 25855./ 38527.



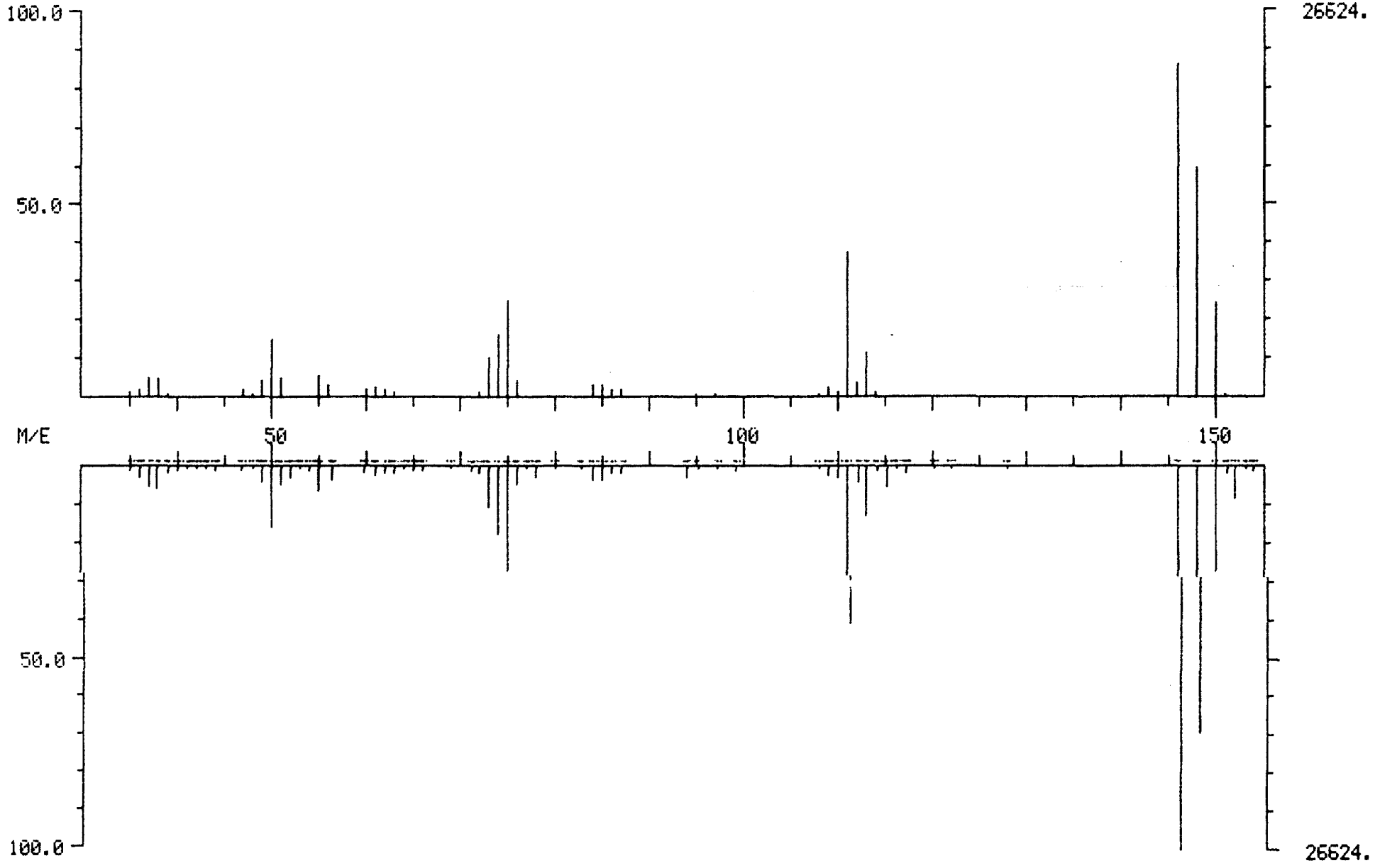
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 10:27
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #660 BASE M/E: 94/ 94
CALI: EPABN705 #1 RIC: 33919./ 59647.



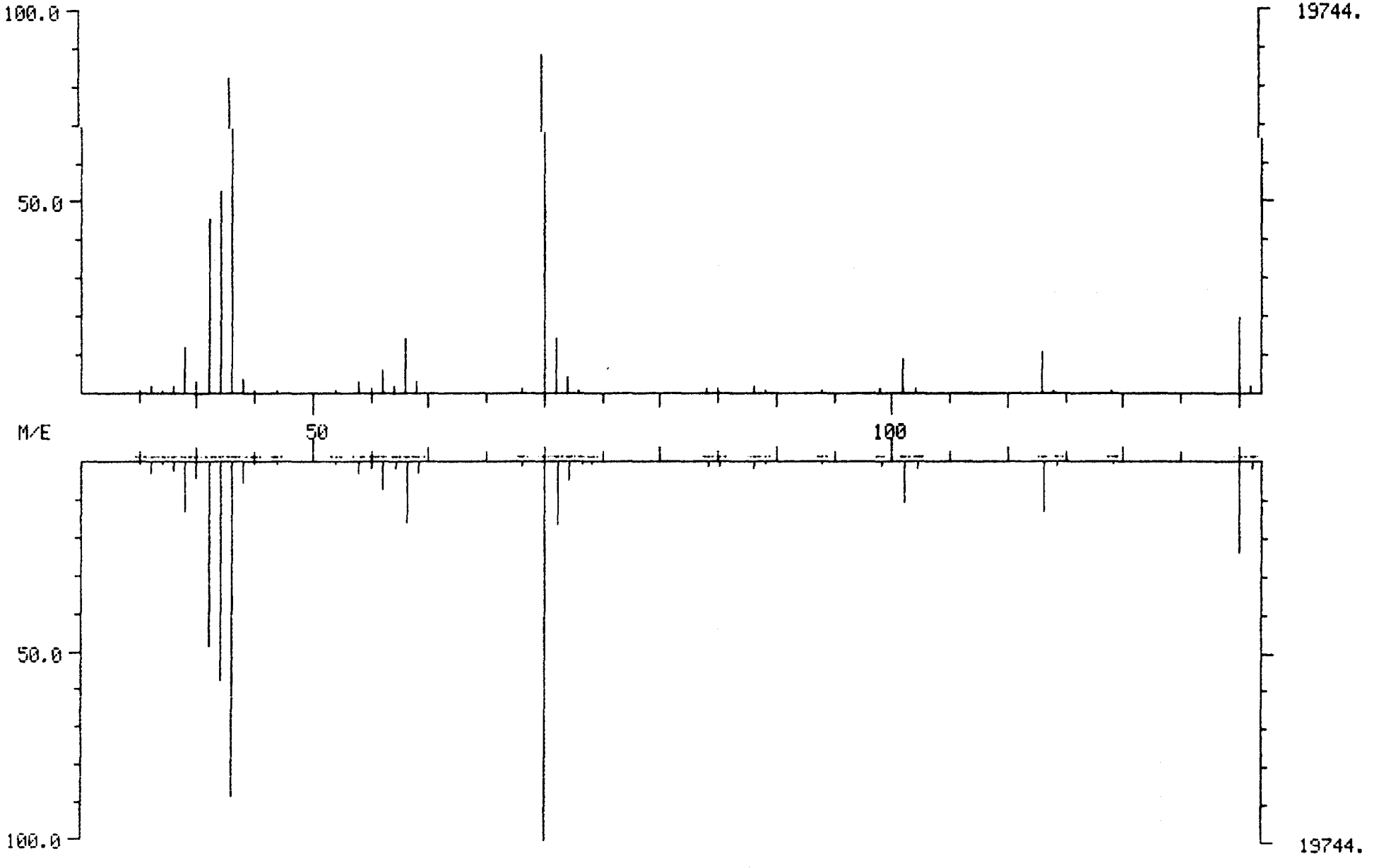
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 10:50
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #684 BASE M/E: 146/ 146
CALI: EPABN705 #1 RIC: 92927./ 117375.



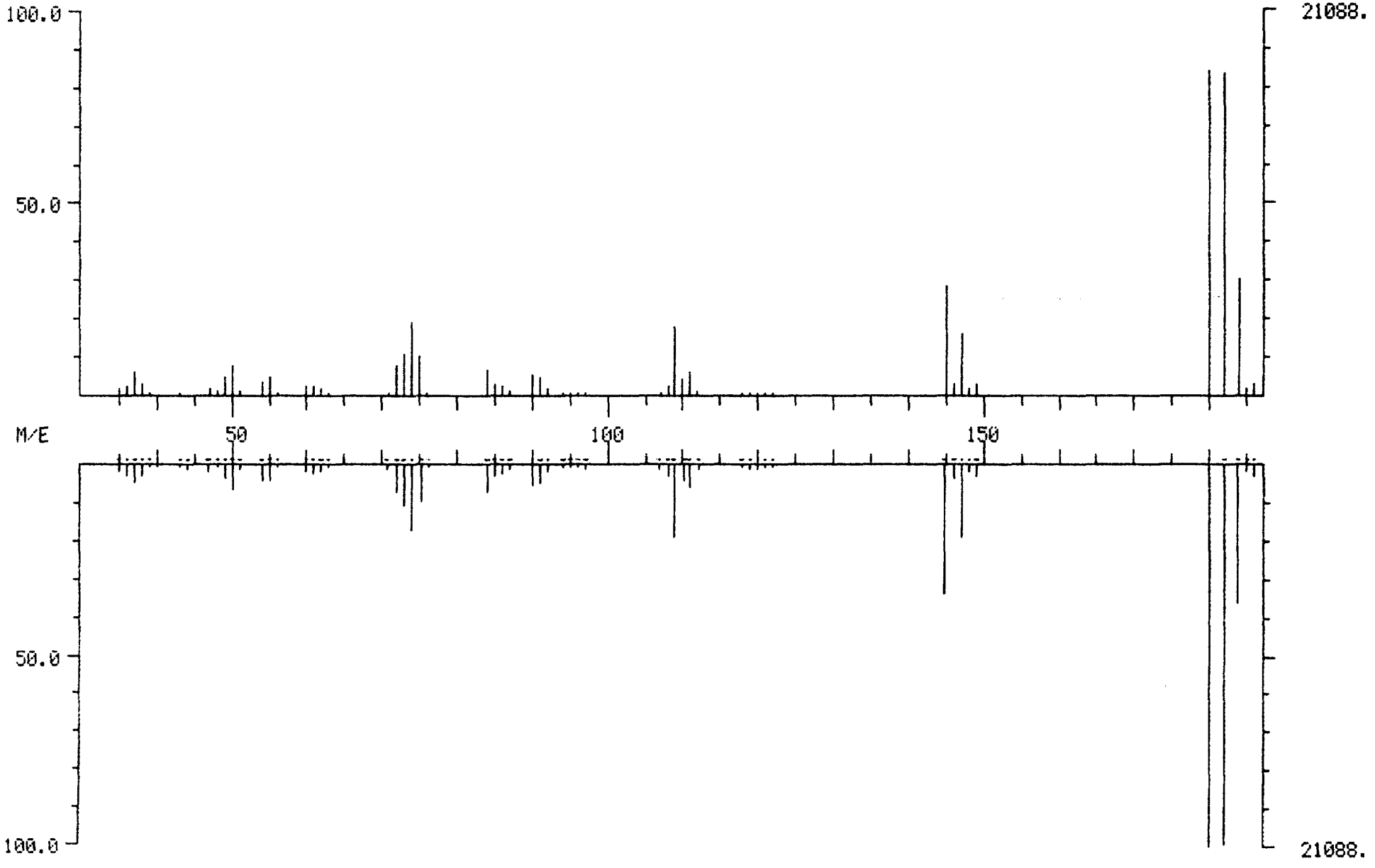
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 12:25
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #784 BASE M/E: 70/ 70
CALI: EPABN705 #1 RIC: 77695./ 87167.



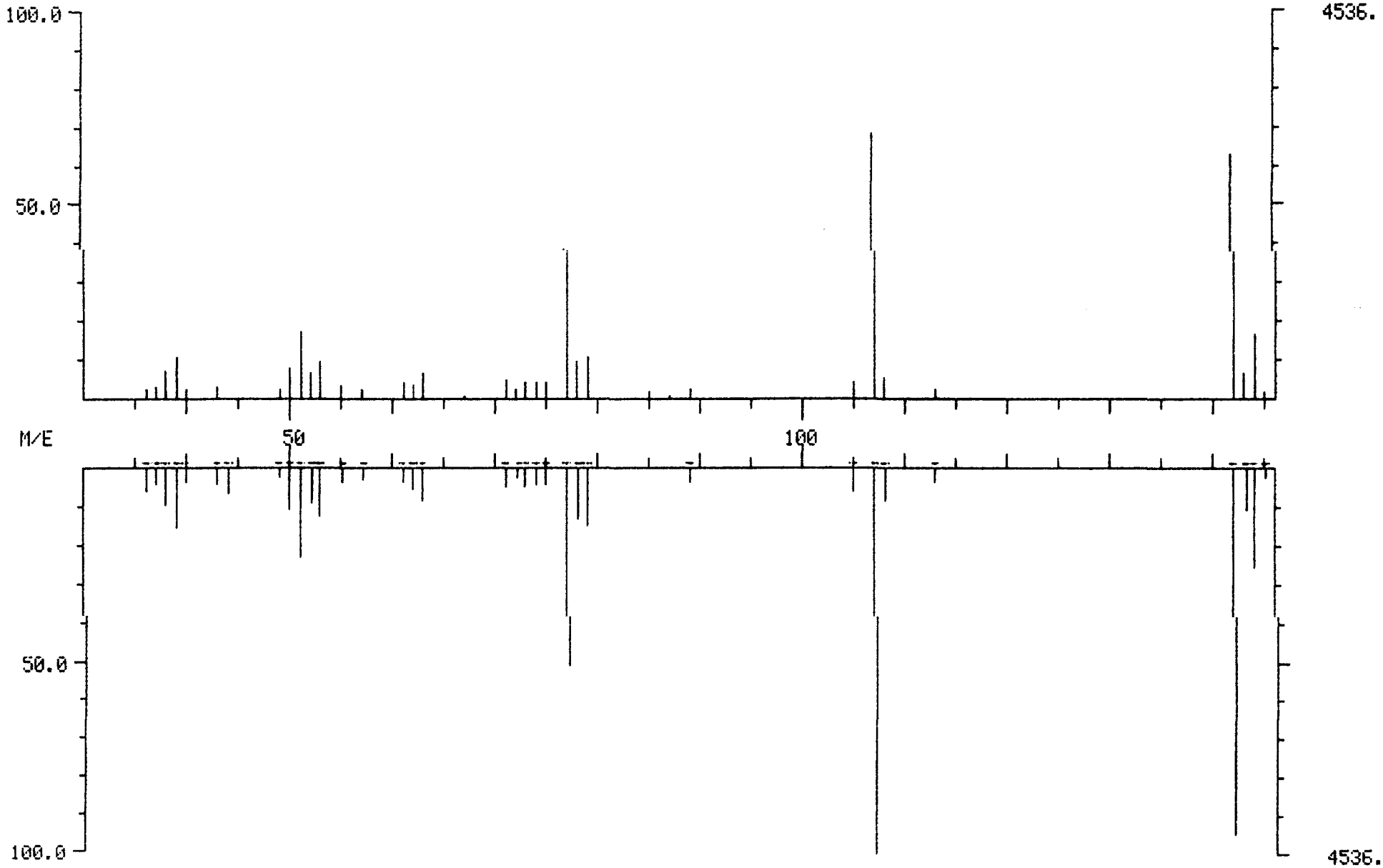
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 14:32
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #918 BASE M/E: 180/ 180
CALI: EPABN705 #1 RIC: 87039./ 96639.



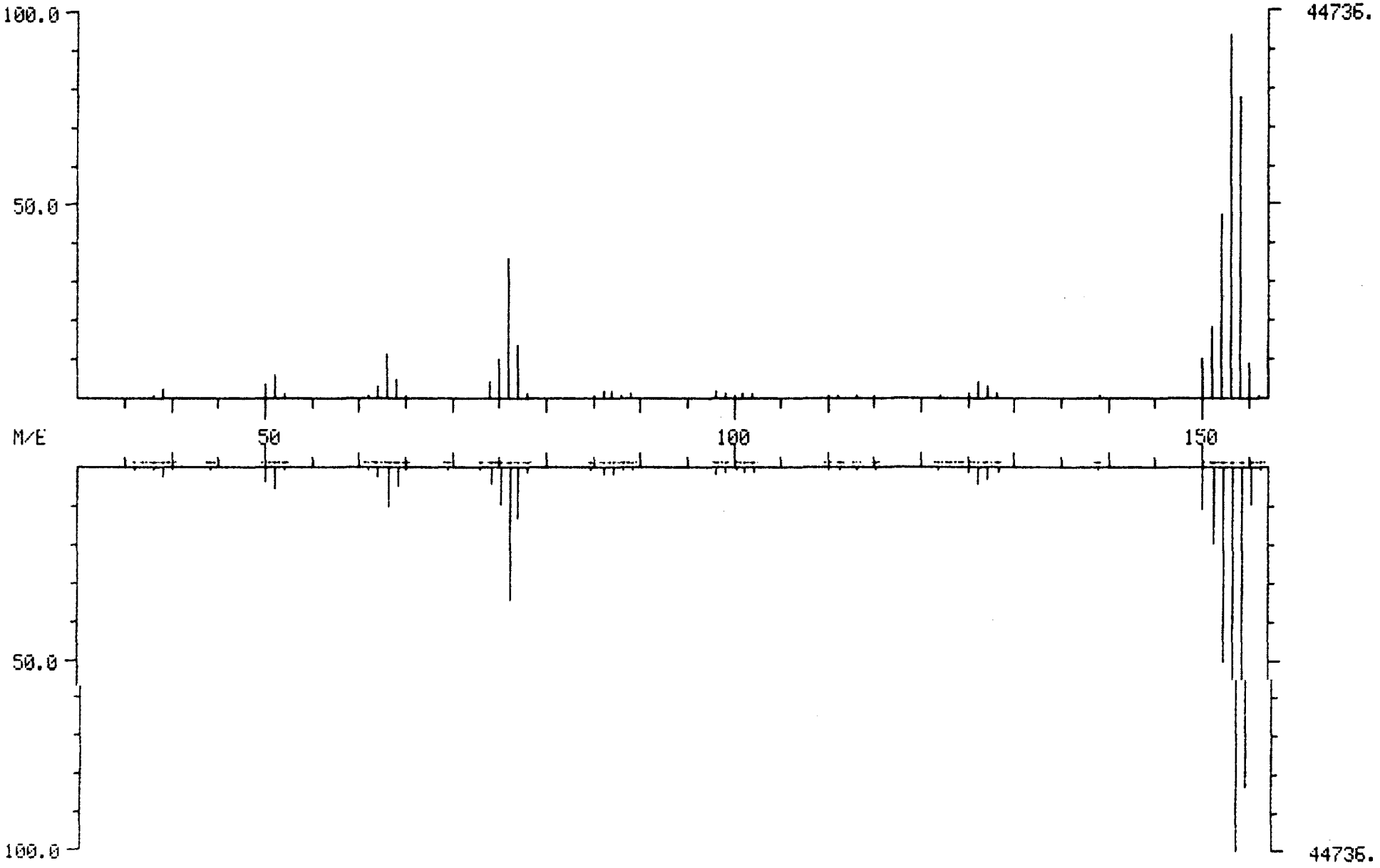
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 16:55
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #1068 BASE M/E: 107/ 107
CALI: EPABN705 #1 RIC: 15551./ 21951.



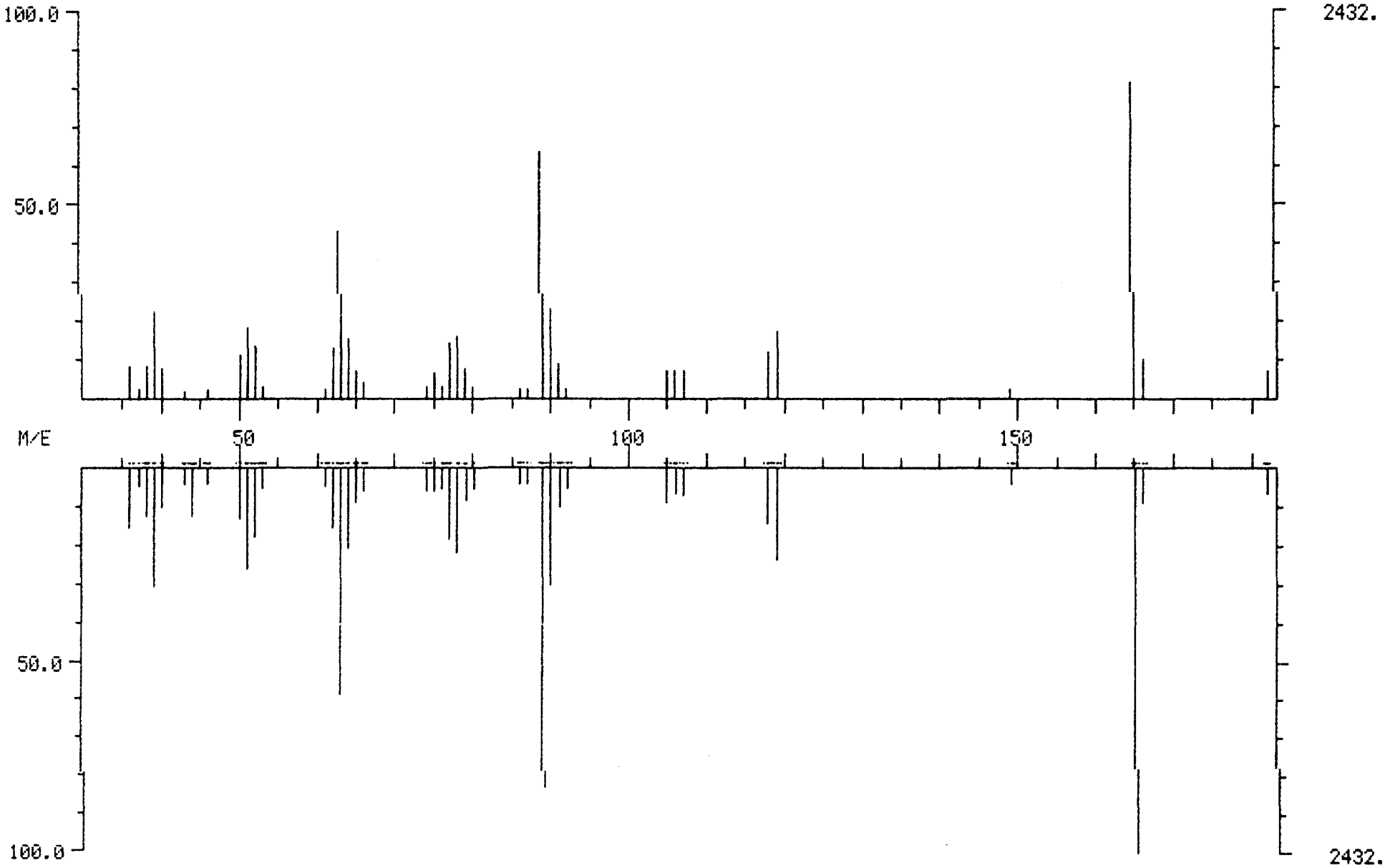
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 19:58
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #1261 BASE M/E: 153/ 153
CALI: EPABN705 #1 RIC: 170751./ 176895.



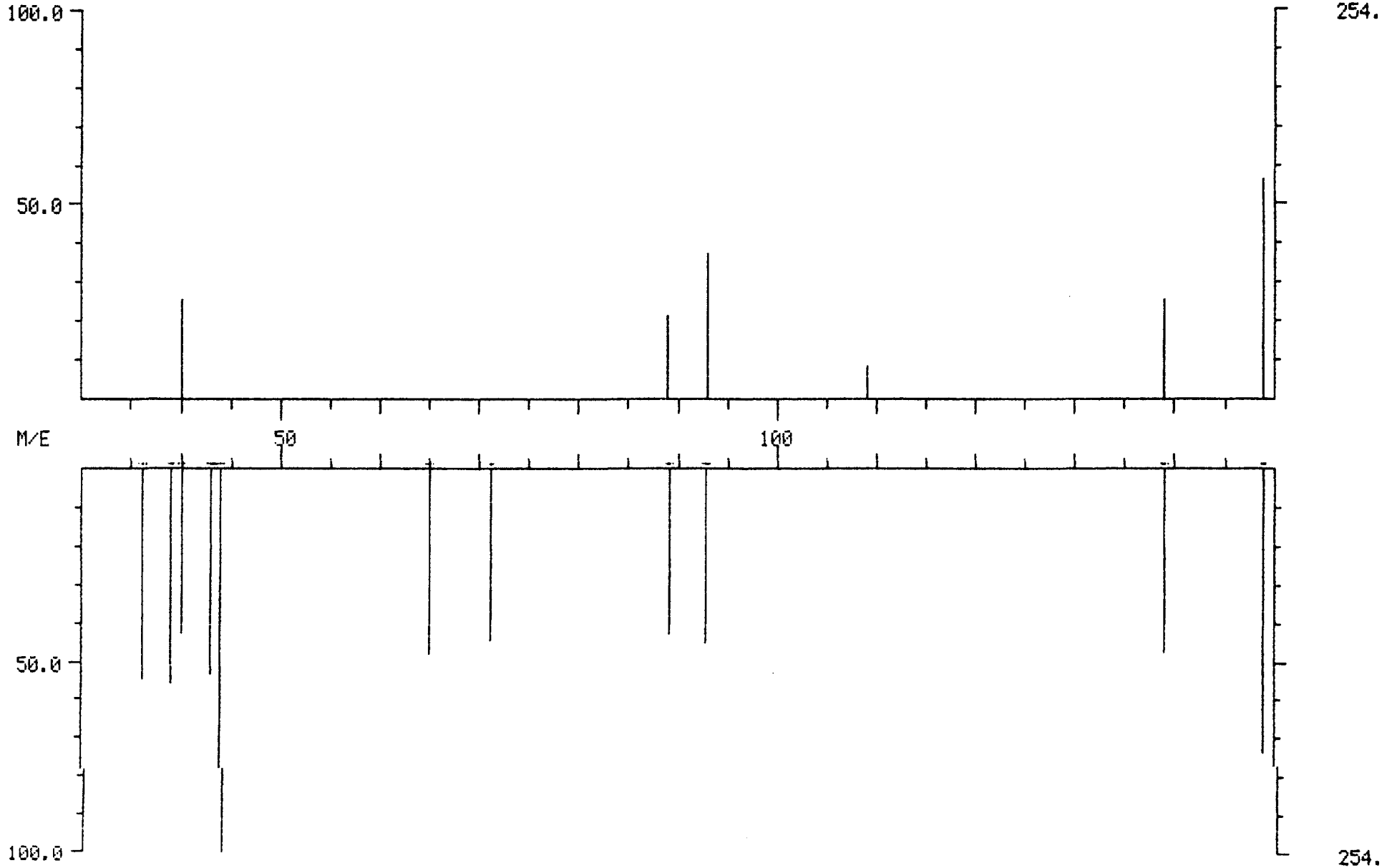
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 20:46
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #1312 BASE M/E: 165/ 165
CALI: EPABN705 #1 RIC: 11903./ 16031.



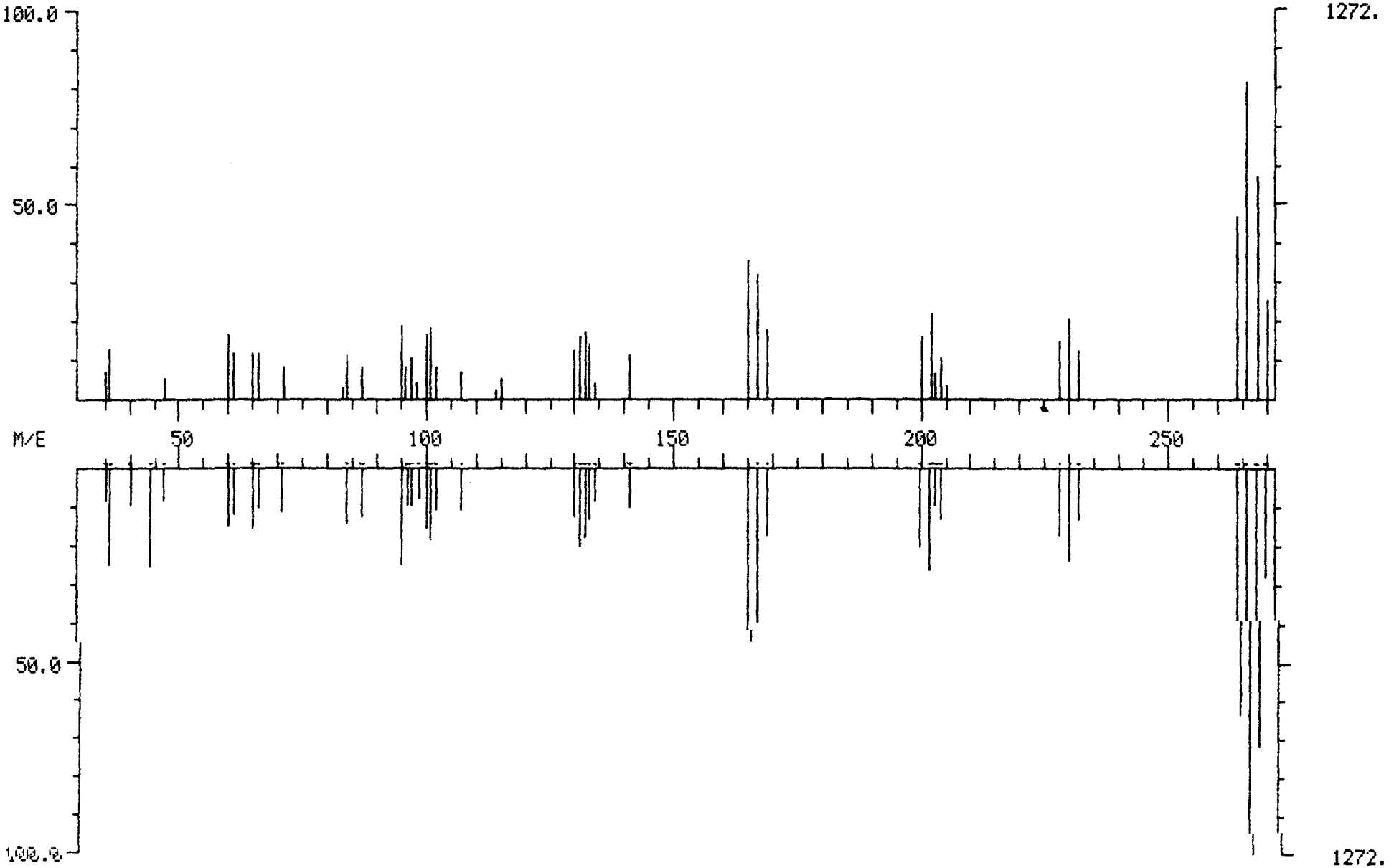
DUAL MASS SPECTRUM
03/05/84 22:40:00 + 21:35
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

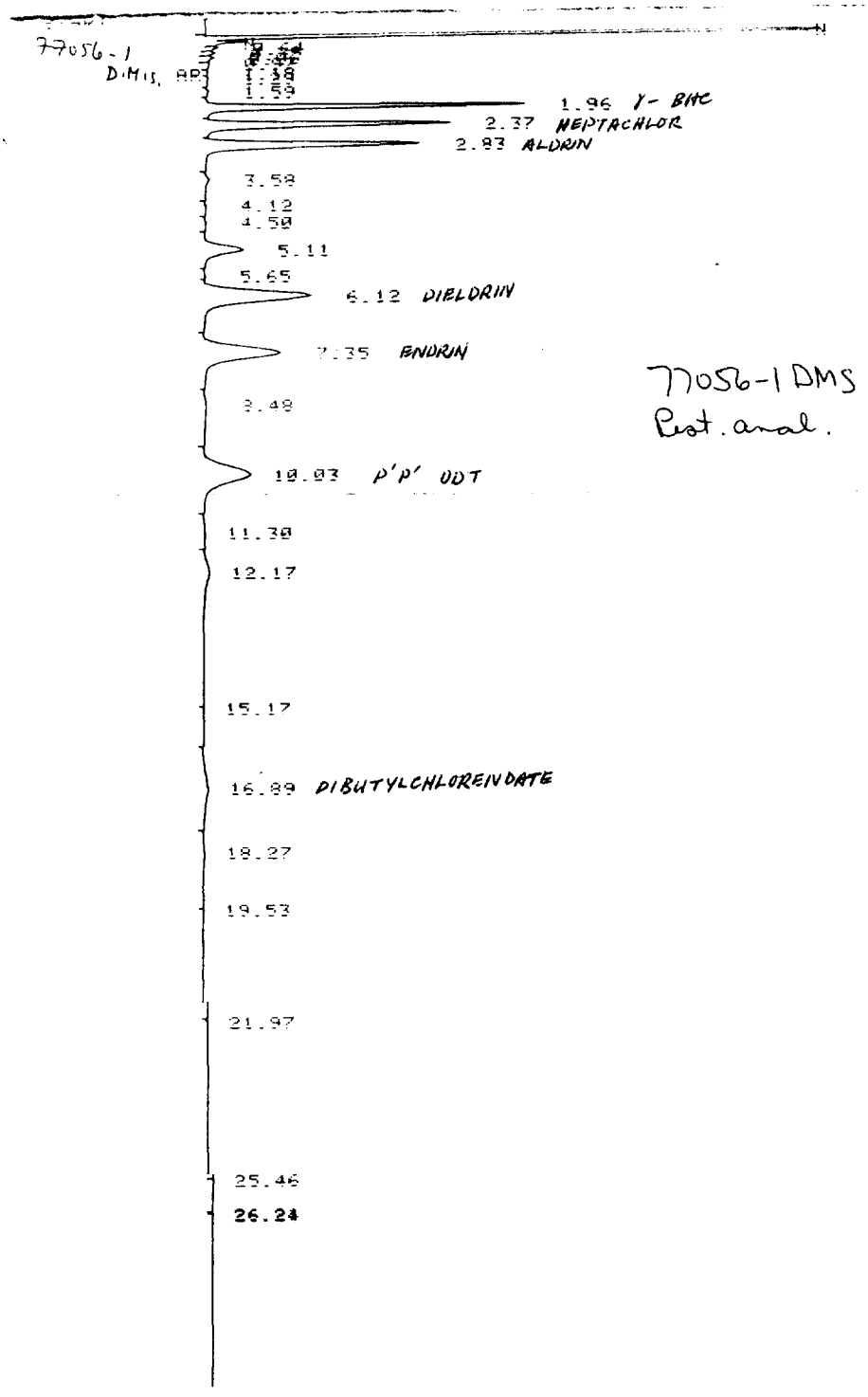
DATA: EPABN705 #1363 BASE M/E: 149/ 44
CALI: EPABN705 #1 RIC: 440./ 1541.



DUAL MASS SPECTRUM
03/05/84 22:40:00 + 23:51
SAMPLE: 77056-1 D.M.S ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN705 #1506 BASE M/E: 266/ 266
CALI: EPABN705 #1 RIC: 8735./ 10719.






77056-1 DMS
Post. anal.

031

WR RUN # 295
BOTTLE 19
AREA %

| RT | AREA | AREA % |
|---|---|---|
| 1.29 | 14520 | 0.323 |
| 1.59 | 13310 | 0.296 |
| 1.96 | 729000 | 16.204 |
| 2.37 | 679000 | 15.092 |
| 2.83 | 698800 | 15.532 |
| 3.58 | 30170 | 0.671 |
| 4.12 | 9360 | 0.208 |
| 4.50 | 10800 | 0.240 |
| 5.11 | 205000 | 4.557 |
| 5.65 | 6674 | 0.148 |
| 6.12 | 682000 | 15.159 |
| 7.35 | 589500 | 13.103 |
| 8.48 | 53060 | 1.179 |
| 10.03 | 485400 | 10.789 |
| 11.30 | 23370 | 0.519 |
| 12.17 | 104000 | 2.312 |
| 15.17 | 10170 | 0.226 |
| 16.89 | 97140 | 2.159 |
| 18.27 | 35750 | 0.795 |
| 19.53 | 9094 | 0.202 |
| 21.97 | 6030 | 0.134 |
| 25.46 | 1366 | 0.030 |
| 26.21 | 187 | 0.004 |
| 26.24 | 5341 | 0.119 |

032

CH2M HILL **TRANSMITTAL**

**From.** Lin Klann
Sample Documentation Coord.
REM-FIT Ofc. Reg. V

**To:** U.S. EPA - Region V
Central Regional Lab
536 S. Clark St

**Date:** April 26, 1984

**Our Project No.** 661000.CO

**Attn:** Chuck Elly SSC RL

IF MATERIAL RECEIVED IS NOT AS LISTED, PLEASE NOTIFY US AT ONCE

**Re:** Misfiled Data Rec'd 4/25

**WE ARE SENDING YOU**

☑ ATTACHED ☐ UNDER SEPARATE COVER VIA

☐ SHOP DRAWINGS ☐ TRACINGS

☐ PRINTS ☐ CATALOGS

☑ DOCUMENTS ☐ COPY OF LETTER

☐ SPECIFICATIONS ☐ _____

| COPIES | DATE | ITEM |
|---|---|---|
| 1 | 4/18 | Original Data Summary for Case # 2459 |
| | | Laclede Steel Co. L.F. |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

**REMARKS** This data was apparently misfiled in your office and forwarded to our office by mistake. I am returning it to you for re-distribution.

**COPY TO** _____

FORM 6
REV 6/81

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 4-18-84

SUBJECT: Review of Region V CLP Data
Received for Review on 3/23/84

FROM: Curtis Ross, Director
Central Regional Laboratory

TO: Data User: FIT

We have reviewed the data for the following case(s).

SITE NAME Laclede Steel Co. L.F. SMO Case No. 2459

EPA Data Set No. SF 247 No. of Samples 5 D.U./Activity Numbers Y9051 C48500

CRL No. 84MC04 S31 TO 84MC04 S34

SMO Traffic No. ME 1834 TO ME 2113

Contract Laboratory: Cal Analytical Hours Required for Review: 18

Following are our findings.

Contract regulations were adhered to for analysis.
Quality was questioned on numerous over-range printouts for individual elements. A telephone call warranted explanation of reported values for same OVER RANGE. See attached memo.
High levels of Fe in $H_2O$ and soil samples affected Se duplicate [125.6] (soil) and spike (<10%) on both phases. Individual elements also affected in low spike recovery are Fe (soil 25.9%) and Cd ($H_2O$ 72%). High spikes on Ba soil (148.9) and Sn (soil 137.8) as well as Sn ($H_2O$ 149%). Soil sample spike was diluted five-fold, and may account for various high recoveries. Duplicates exceeded aimed-for 20-25% RPD on soil for Se (125.6), Ag (60), Sn (56.4), Ba (34.8), Cd (55.7), Cu (62.2), Fe (32.6), Pb (98.7), Ni (111.8) and Zn (107.3). Water duplication exceeded 10-15% aimed for RPD only on Cr (22), Cu (18) and Ni (28.6). Dilution of highly polluted samples would have been more qualified. Note SAMPLE RESULT for Al on spike ($H_2O$) entered as 21866 while true sample is 21688 µg/l!

DM

(X) Data are acceptable for use.
( ) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Robert Pritchard, CLP/SMO

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 — Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
ME 1834
84MC0453 1

# INORGANICS ANALYSIS DATA SHEET

LAB NAME Cal Lab CASE NO. 2459
LAB SAMPLE ID. NO. P605 QC REPORT NO. 2459

CAL SAMPLE ID P605
TASK 1 UG/L
---
1. ALUMINIUM-------22000
2. CHROMIUM--------70
3. BARIUM----------1200
4. BERYLLIUM-------<5
5. COBALT----------<50
6. COPPER----------87
7. IRON------------62000
8. NICKEL----------64
9. MANGANESE-------4900
10. ZINC------------3500
11. VANADIUM--------<200
12. SILVER----------<10

TASK 2
---
1. ARSENIC---------61
2. ANTIMONY--------<20
3. SELENIUM--------<2
4. THALLIUM--------<10
5. MERCURY---------<0.2
6. TIN-------------<20
7. CADMIUM---------7.2
8. LEAD------------300

TASK 3
---
1. AMMONIA---------N/A
2. CYANIDE---------N/A
3. SULFIDE---------N/A

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
ME 1835
84MC04R05

# INORGANICS ANALYSIS DATA SHEET

LAB NAME Cal Lab
CASE NO. 2459
LAB SAMPLE ID. NO. P606
QC REPORT NO. 2459

CAL SAMPLE ID P606
TASK 1 UG/L

1. ALUMINIUM-------<200
2. CHROMIUM--------<10
3. BARIUM----------<100
4. BERYLLIUM-------<5
5. COBALT----------<50
6. COPPER----------59
7. IRON------------72
8. NICKEL----------<40
9. MANGANESE-------<15
10. ZINC------------54
11. VANADIUM--------<200
12. SILVER----------<10

TASK 2

1. ARSENIC---------<10
2. ANTIMONY--------<20
3. SELENIUM--------8.8
4. THALLIUM--------<10
5. MERCURY---------<0.2
6. TIN-------------<20
7. CADMIUM---------<1
8. LEAD------------14

TASK 3

1. AMMONIA---------N/A
2. CYANIDE---------N/A
3. SULFIDE---------N/A

US ENVIRONMENTAL PROTECTION AGENCY
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Sample No.
ME 2111
84MC04S32

# INORGANICS ANALYSIS DATA SHEET

LAB NAME Cal Lab CASE NO. 2459
LAB SAMPLE ID. NO. P607 QC REPORT NO. 2459

CAL SAMPLE ID P607
TASK 1 MG/KG

1. ALUMINIUM-------12000
2. CHROMIUM--------1800
3. BARIUM----------320
4. BERYLLIUM-------2300
5. COBALT----------<2.5
6. COPPER----------170
7. IRON------------140000
8. NICKEL----------75
9. MANGANESE-------34000
10. ZINC------------3700
11. VANADIUM--------380
12. SILVER----------1.3

TASK 2

1. ARSENIC---------20
2. ANTIMONY--------<1
3. SELENIUM--------0.35
4. THALLIUM--------<0.5
5. MERCURY---------<0.1
6. TIN-------------10
7. CADMIUM---------16
8. LEAD------------280

TASK 3

1. AMMONIA---------N/A
2. CYANIDE---------N/A
3. SULFIDE---------N/A

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
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Sample No.
ME 2112
84MC04533

# INORGANICS ANALYSIS DATA SHEET

LAB NAME Cal Lab CASE NO. 2459
LAB SAMPLE ID. NO. P608 QC REPORT NO. 2459

CAL SAMPLE ID P608
TASK 1 MG/KG

1. ALUMINIUM-------4100
2. CHROMIUM--------43
3. BARIUM----------100
4. BERYLLIUM-------<0.25
5. COBALT----------<2.5
6. COPPER----------49
7. IRON----------11000
8. NICKEL----------15
9. MANGANESE-------650
10. ZINC----------1050
11. VANADIUM--------14
12. SILVER----------<0.5

TASK 2

1. ARSENIC---------8.5
2. ANTIMONY--------<1
3. SELENIUM--------0.4
4. THALLIUM--------<0.5
5. MERCURY---------<0.1
6. TIN----------1.8
7. CADMIUM---------3.3
8. LEAD----------170

TASK 3

1. AMMONIA---------N/A
2. CYANIDE---------N/A
3. SULFIDE---------N/A

US ENVIRONMENTAL PROTECTION AGENCY
HWI Sample Management Office
P.O. Box 818 – Alexandria, Virginia 22313
703/557-2490 FTS 8-557-2490

Sample No.
ME 2113
84M C04534

# INORGANICS ANALYSIS DATA SHEET

LAB NAME Cal Lab CASE NO. 2459
LAB SAMPLE ID. NO. P609 QC REPORT NO. 2459

CAL SAMPLE ID P609
TASK 1 MG/KG

1. ALUMINIUM-------5000
2. CHROMIUM--------42
3. BARIUM----------150
4. BERYLLIUM-------<0.25
5. COBALT----------<2.5
6. COPPER----------39
7. IRON----------10000
8. NICKEL----------13
9. MANGANESE-------500
10. ZINC----------1000
11. VANADIUM--------11
12. SILVER----------<0.5

TASK 2

1. ARSENIC---------11
2. ANTIMONY--------<1
3. SELENIUM--------0.22
4. THALLIUM--------<0.5
5. MERCURY---------2.2
6. TIN----------1.8
7. CADMIUM---------2.1
8. LEAD----------150

TASK 3

1. AMMONIA---------N/A
2. CYANIDE---------N/A
3. SULFIDE---------N/A

| In Reference to Case No(s): |
|---|
| 2459 |

**Contract Laboratory Program**
**REGIONAL/LABORATORY COMMUNICATION SYSTEM**
**Telephone Record Log**

Date of Call: 13 Apr 84

Laboratory: CAL

Lab Contact: ~~Bonnie McNeill~~, Mark Masino

Region: V

Regional Contact: JV Morris

In reference to data for the following sample number(s):

ME 2111, ME 2112

Summary of Questions/Issues Discussed:

1) Validity of ICP results marked OVERRANGE in the raw data, and validity of interelement corrections on minor constituents of these samples.
2) Reason for rerun of individual elements on blanks and other samples

Summary of Resolution:

1) OVERRANGE is a designation that the software system of the IL 100 makes when the sample is 110% of the standard or greater for that channel. Data is valid to top of linear range, which is determined quarterly. Standards are chosen at 60–80% of linear range normally. Data are valid
2) rerun of individual elements is software glitch when three integrations don't add up.

Protocols are comparable to CRL protocols.

Signature: John V. Morris  Date: 13 Apr 84

(1) Lab Copy (2) Region Copy (3) SMO Copy