SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

158327

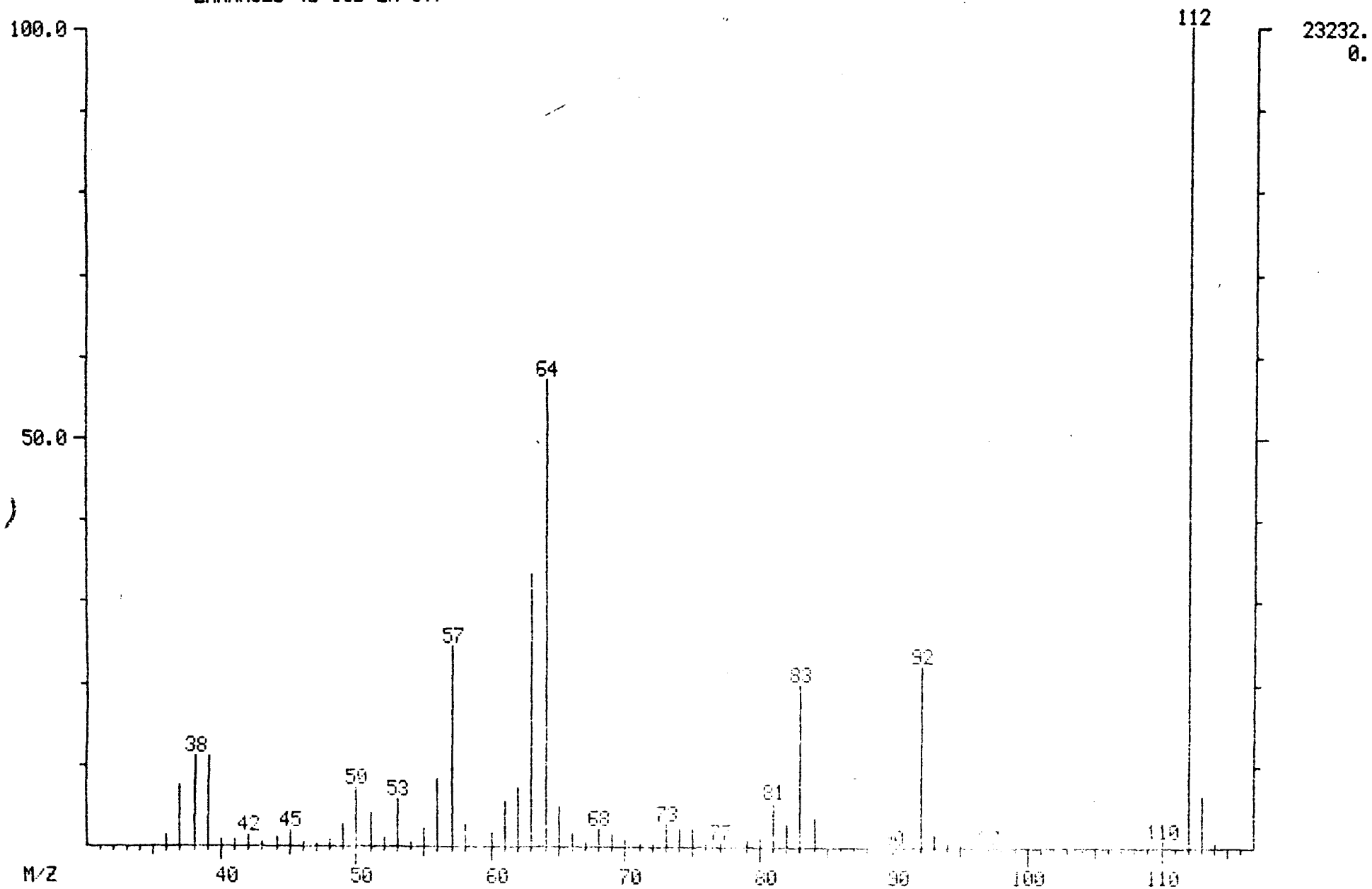
TARGET COMPOUND SPECTRA

001691

MASS SPECTRUM
04/22/91 15:39:00 + 8:58
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 90 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #904
CALI: APR22GK07 #3

BASE M/Z: 112
RIC: 90880.

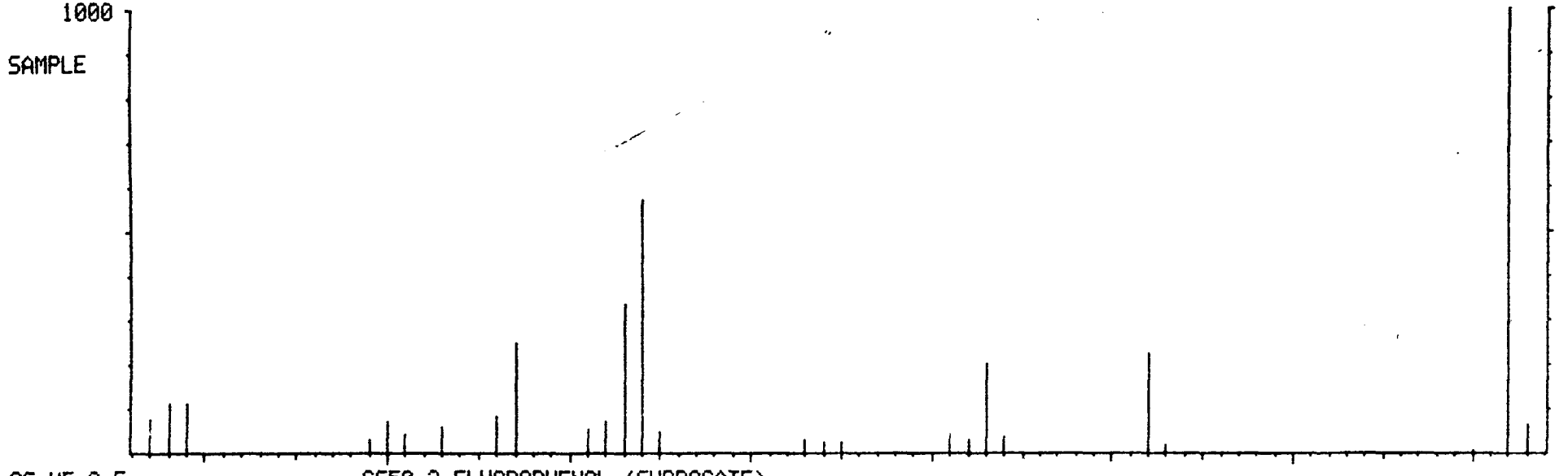


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 8:58
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

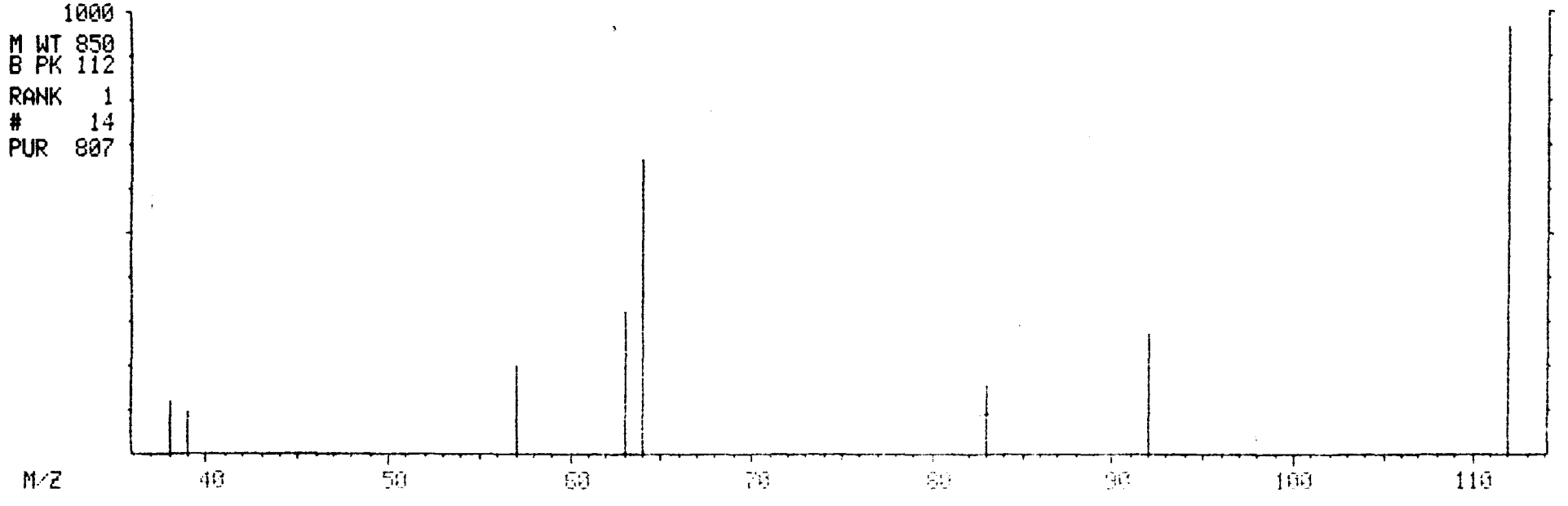
DATA: APR22GK07 # 904
CALI: APR22GK07 # 3

BASE M/Z: 112
RIC: 83968.

001693



C6.H5.O.F CS50 2-FLUOROPHENOL (SURROGATE)

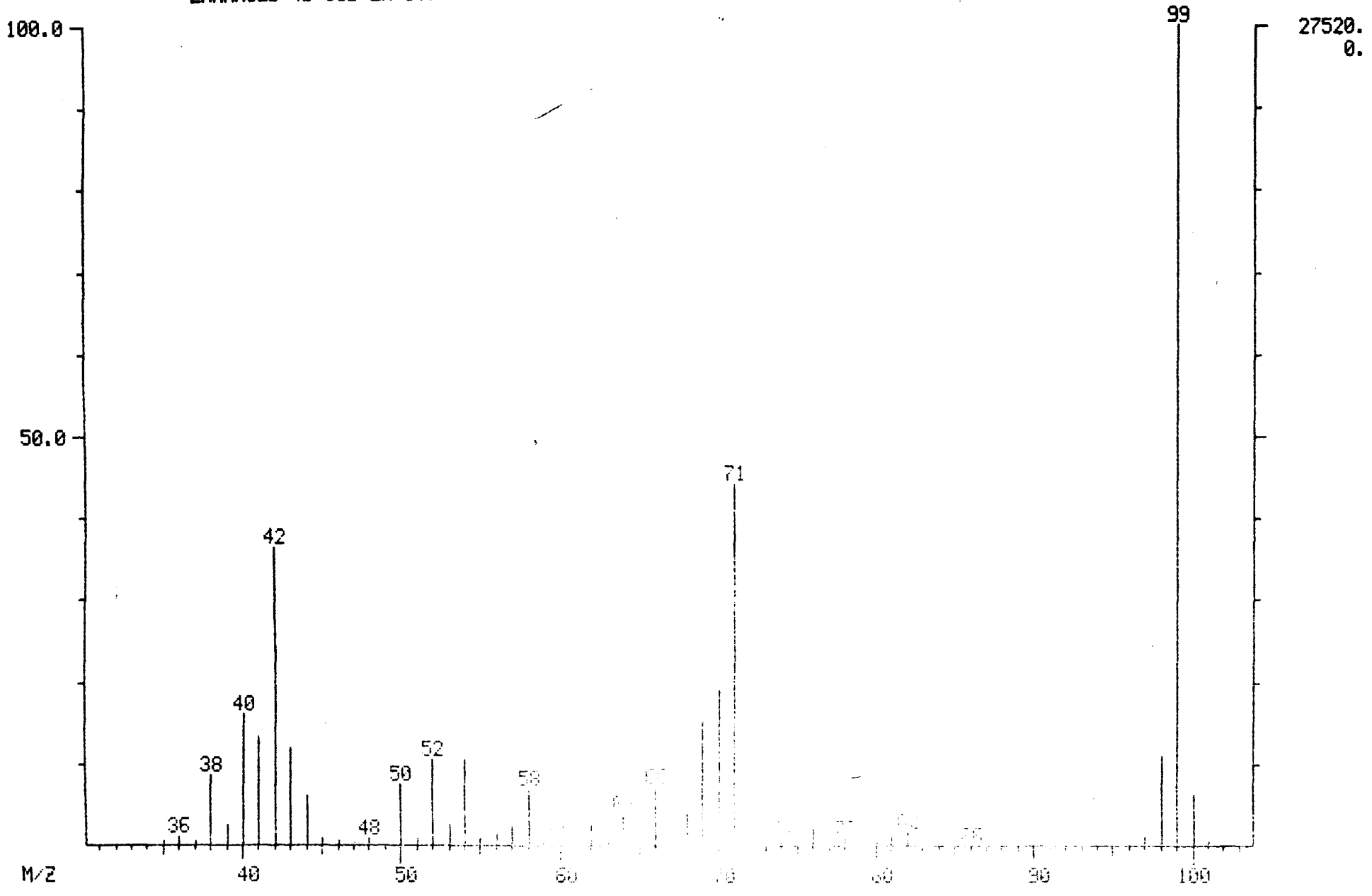


MASS SPECTRUM
04/22/91 15:39:00 + 11:07
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1121
CALI: APR22GK07 #3

BASE M/Z: 99
RIC: 102784.

001694



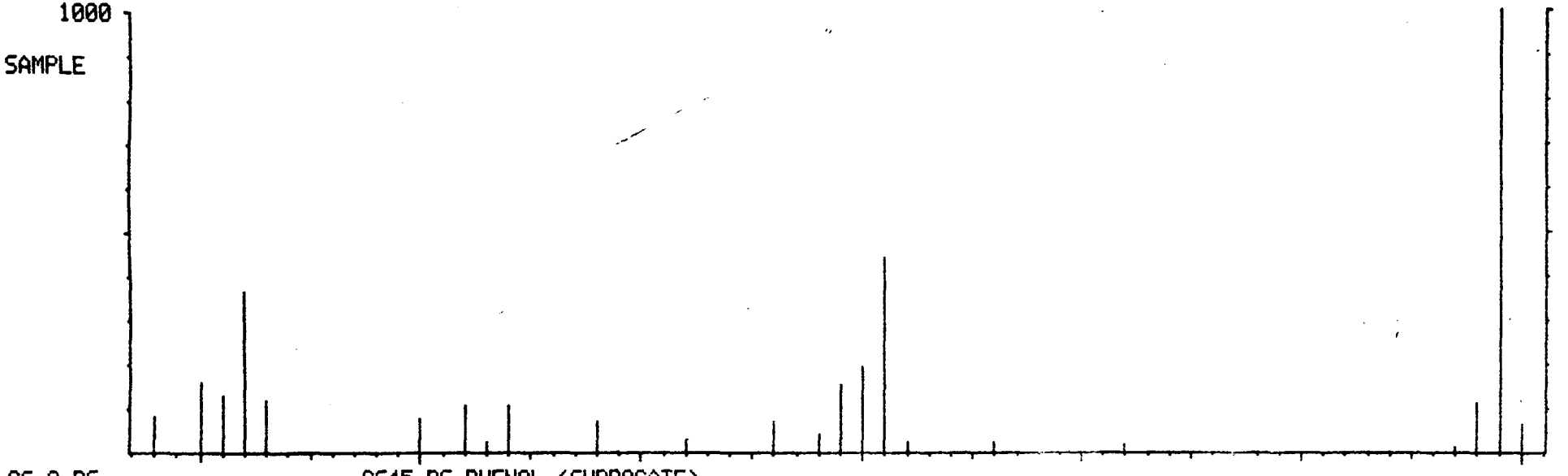
9222070UUU459

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 11:07
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

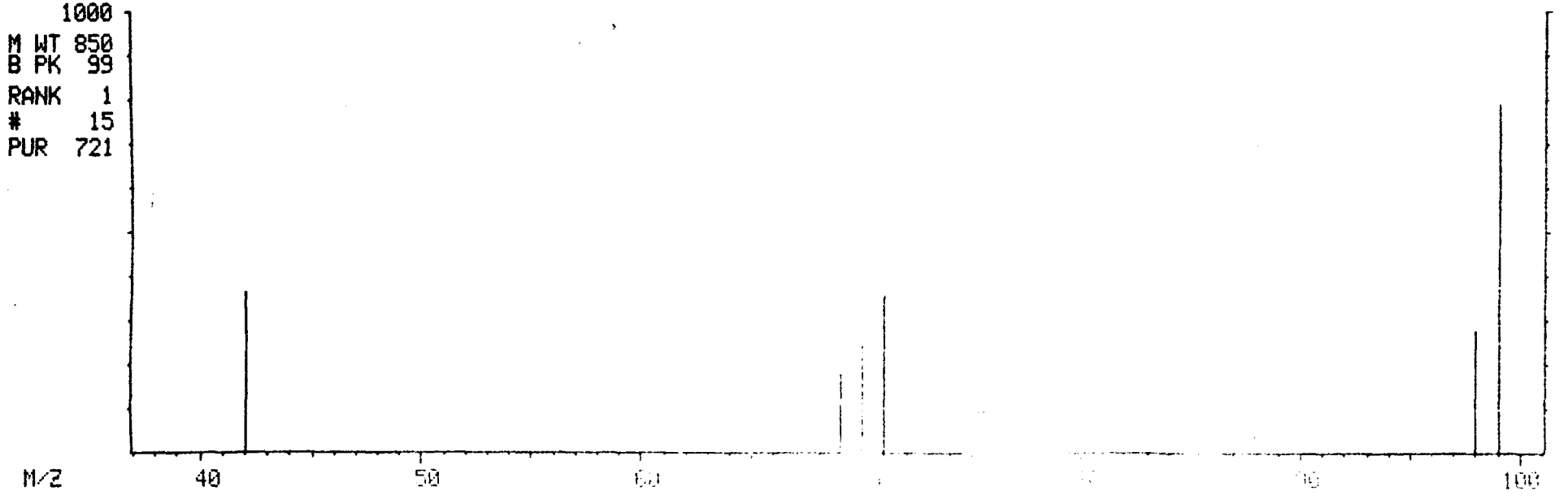
DATA: APR22GK07 #1121
CALI: APR22GK07 # 3

BASE M/Z: 99
RIC: 94080.

C01695



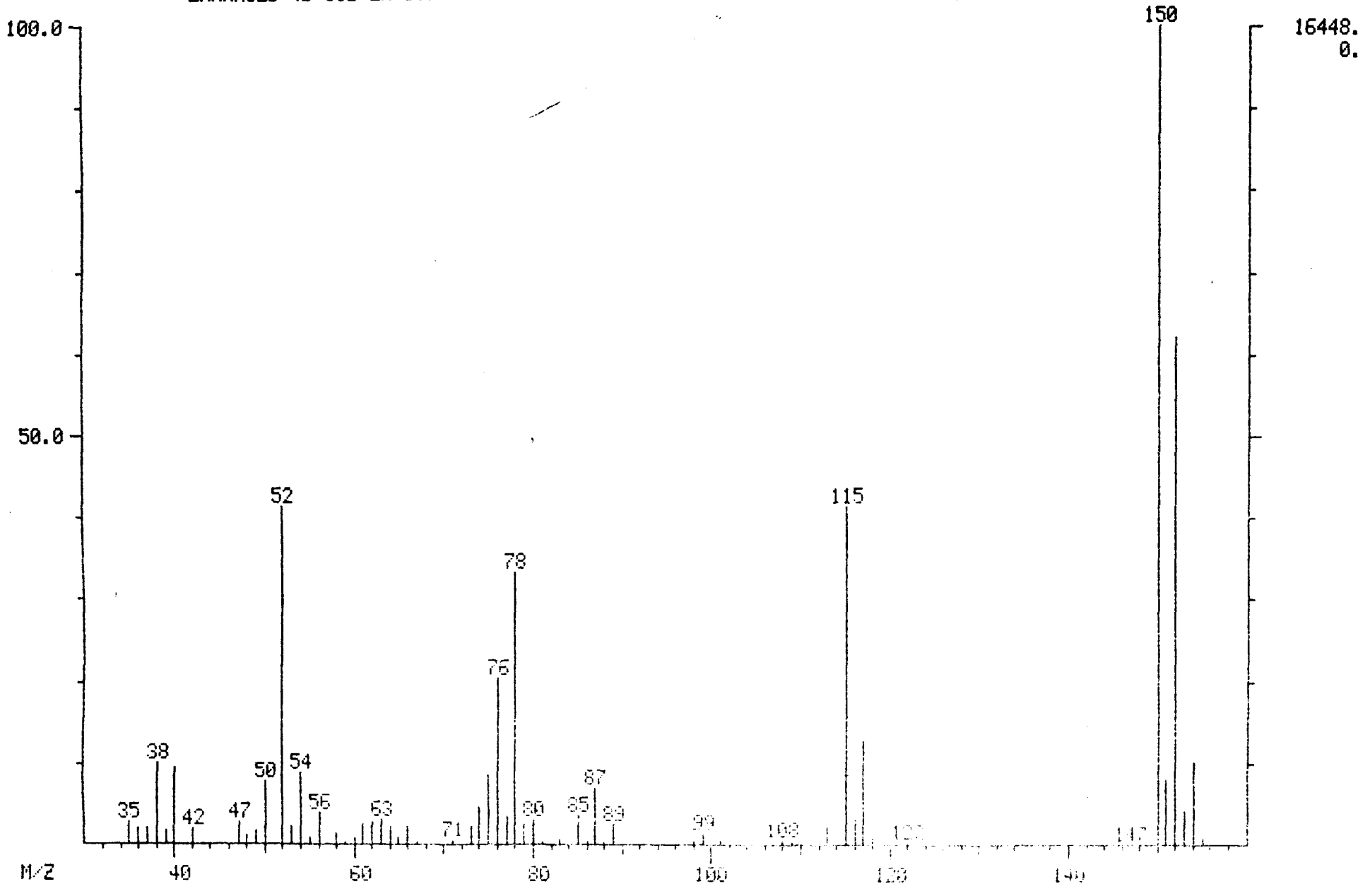
C6.0.D6 CS45 D6-PHENOL (SURROGATE)



MASS SPECTRUM
04/22/91 15:39:00 + 11:51
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1196
CALI: APR22GK07 #3

BASE M/Z: 150
RIC: 75648.



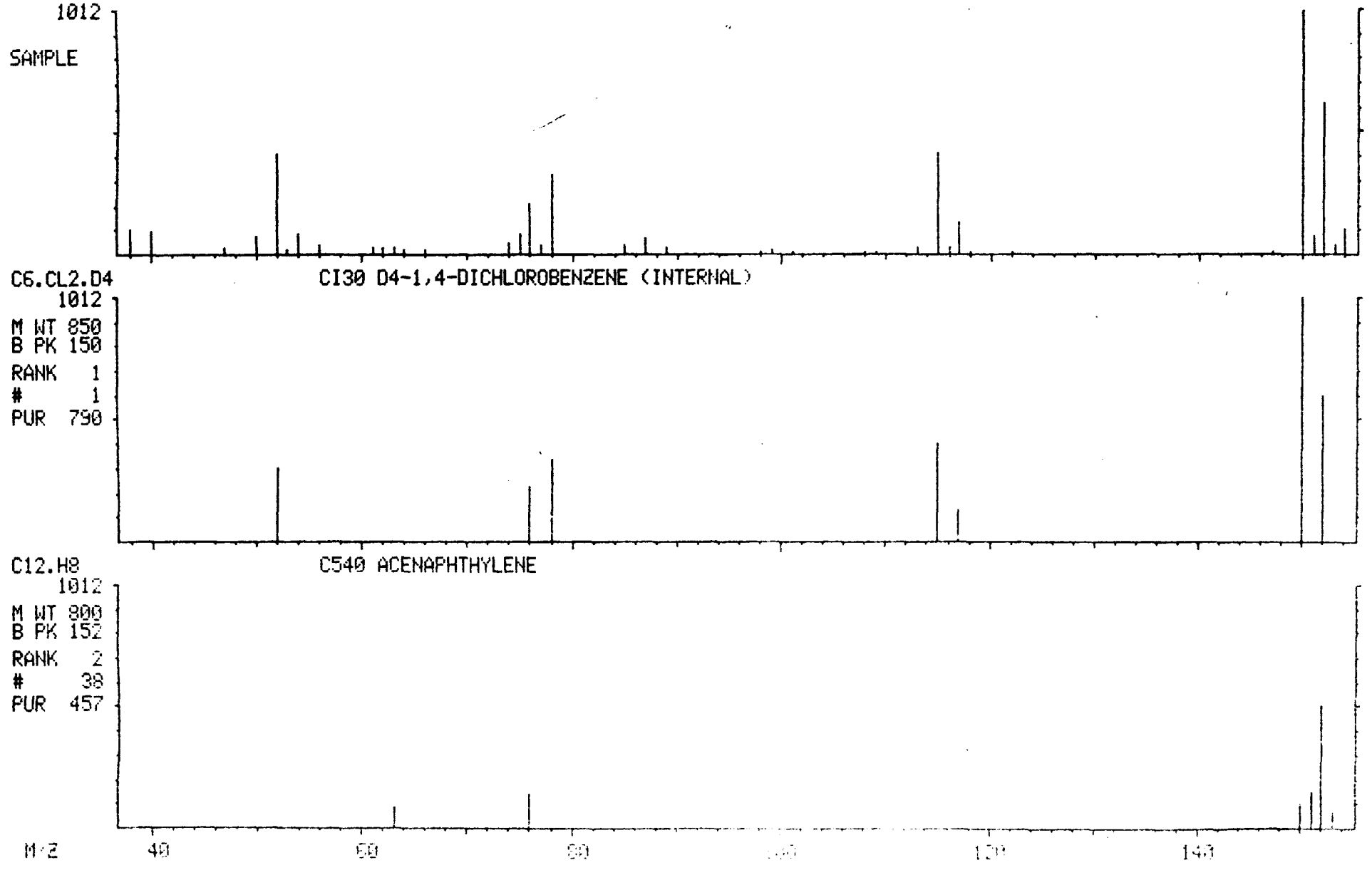
009659

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 11:51
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1196
CALI: APR22GK07 # 3

BASE M/Z: 150
RIC: 70912.

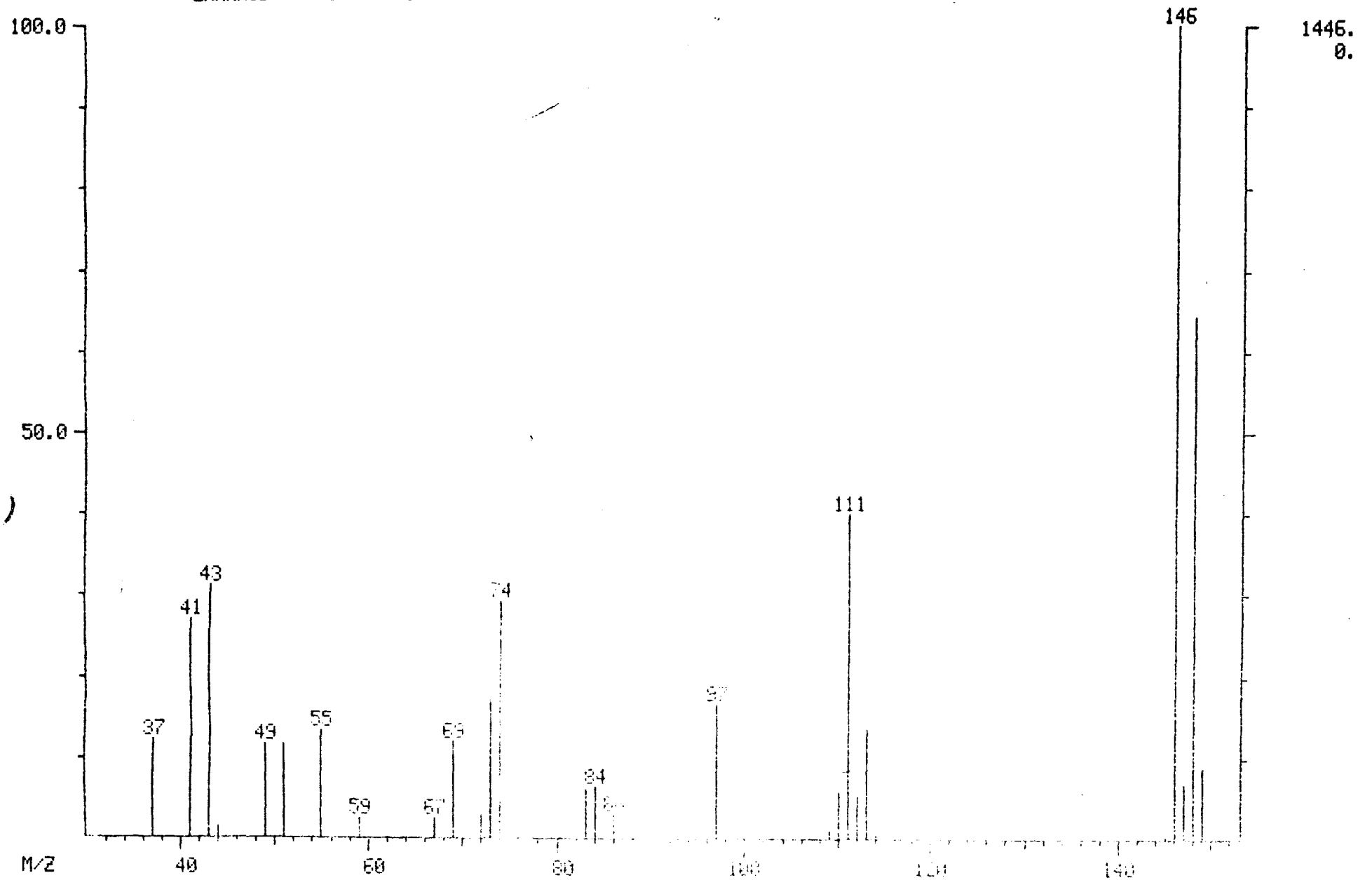
001657



MASS SPECTRUM
04/22/91 15:39:00 + 11:53
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1199
CALI: APR22GK07 #3

BASE M/Z: 146
RIC: 6560.

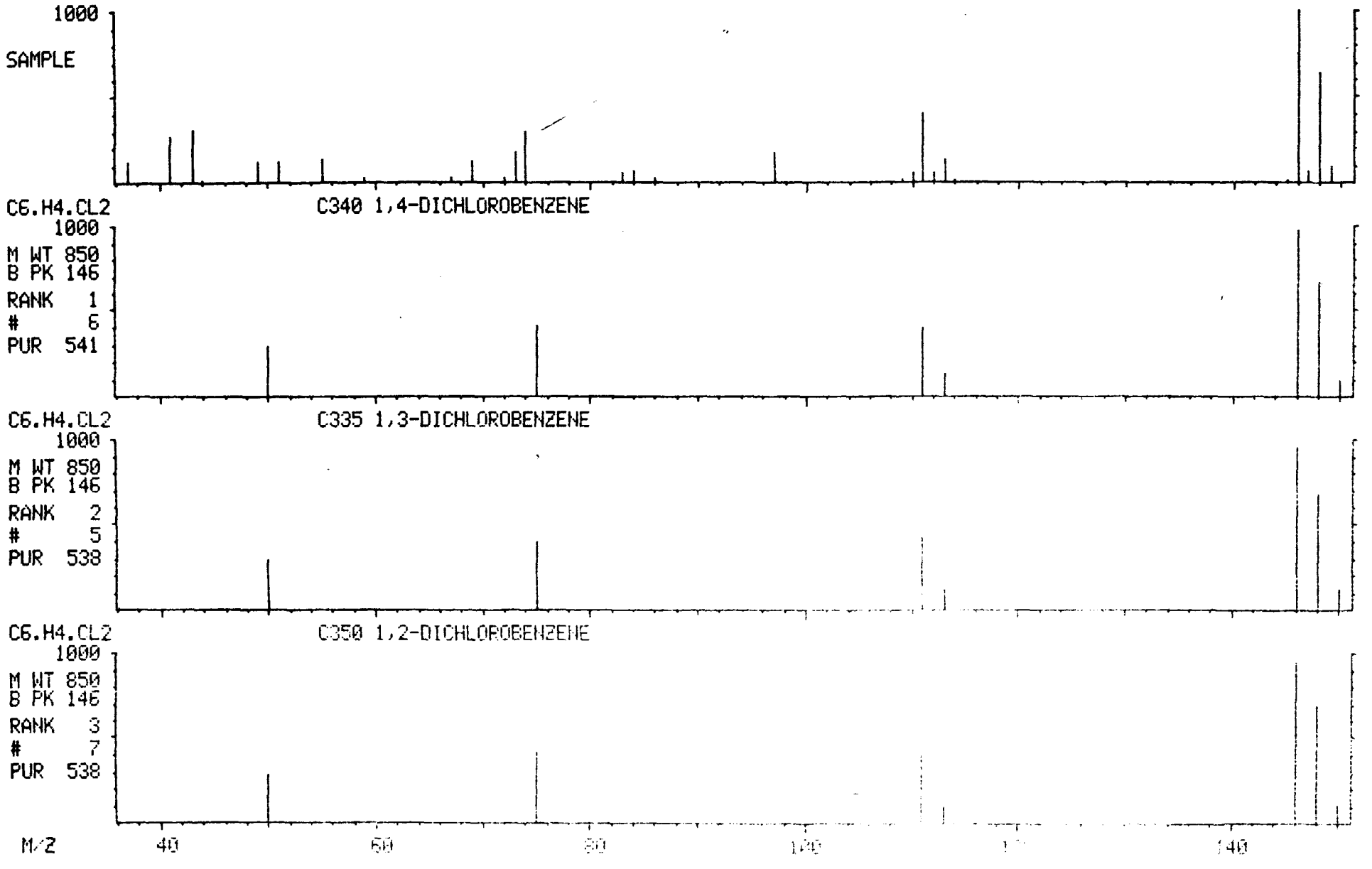


00169

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 11:53
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1199
CALI: APR22GK07 # 3

BASE M/Z: 146
RIC: 6560.

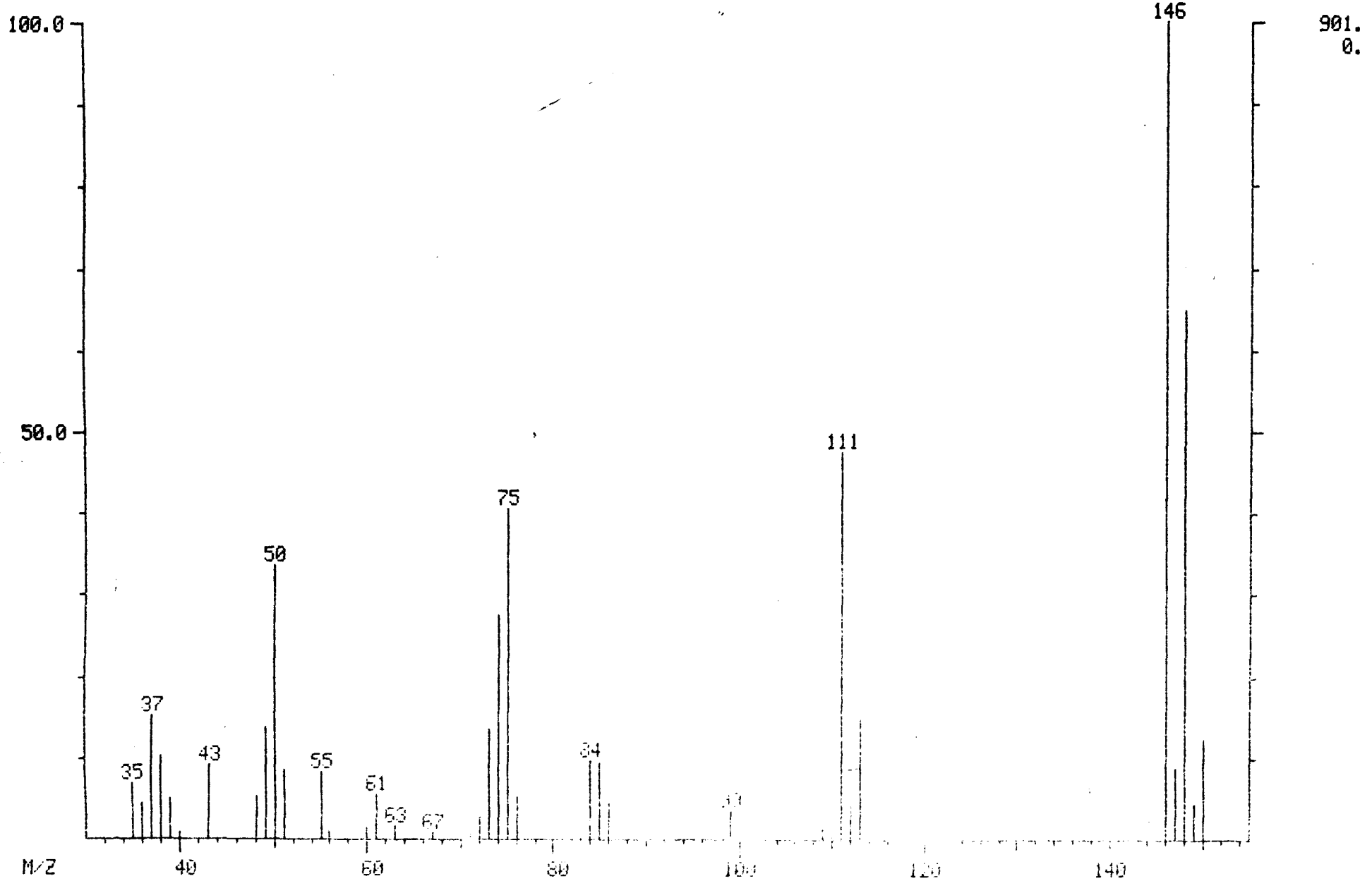


001699

MASS SPECTRUM
04/22/91 15:39:00 + 12:20
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 124 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1245
CALI: APR22GK07 #3

BASE M/Z: 146
RIC: 4616.



9222000004 0

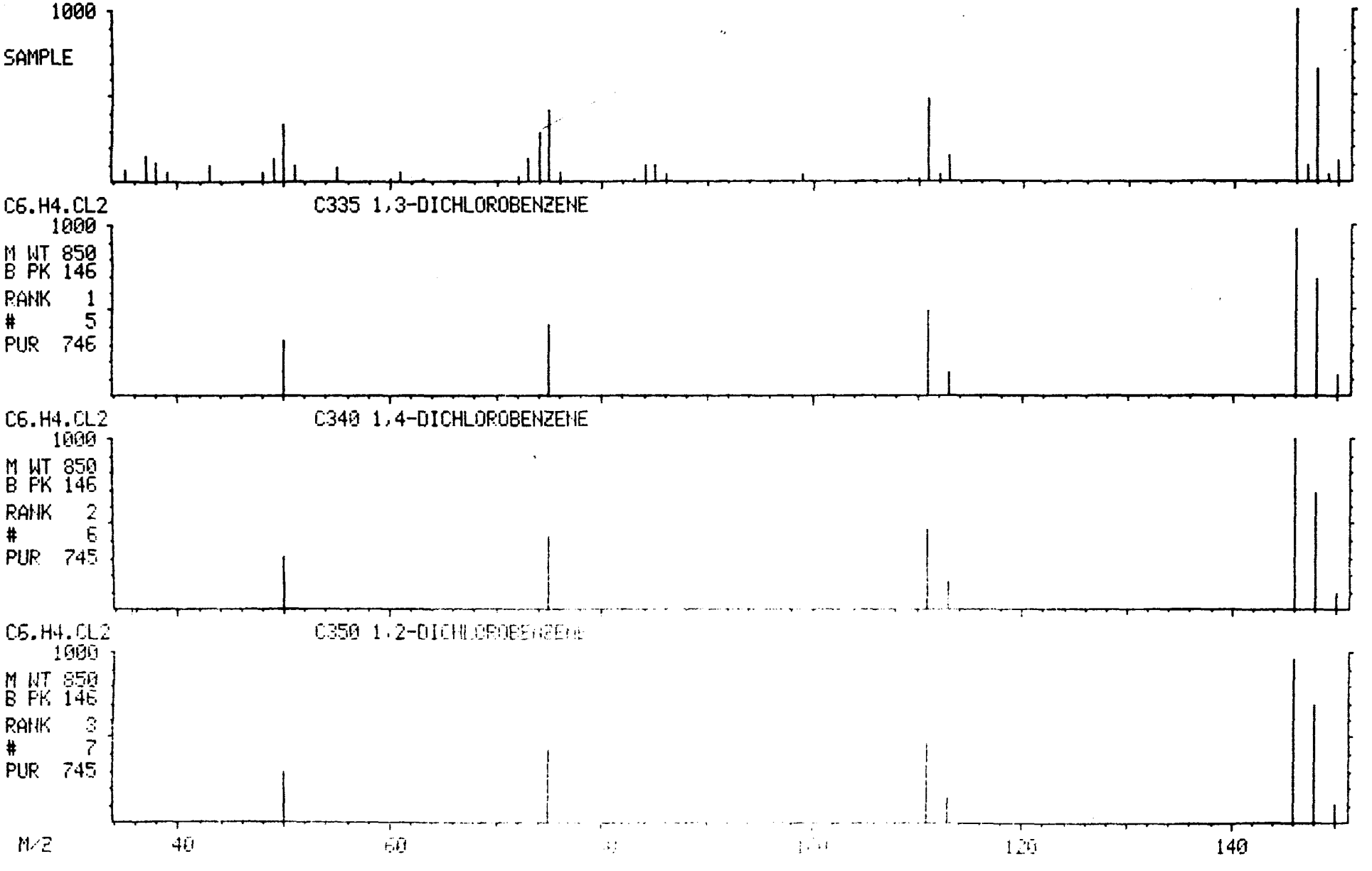
00170

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 12:20
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1245
CALI: APR22GK07 # 3

BASE M/Z: 146
RIC: 4544.

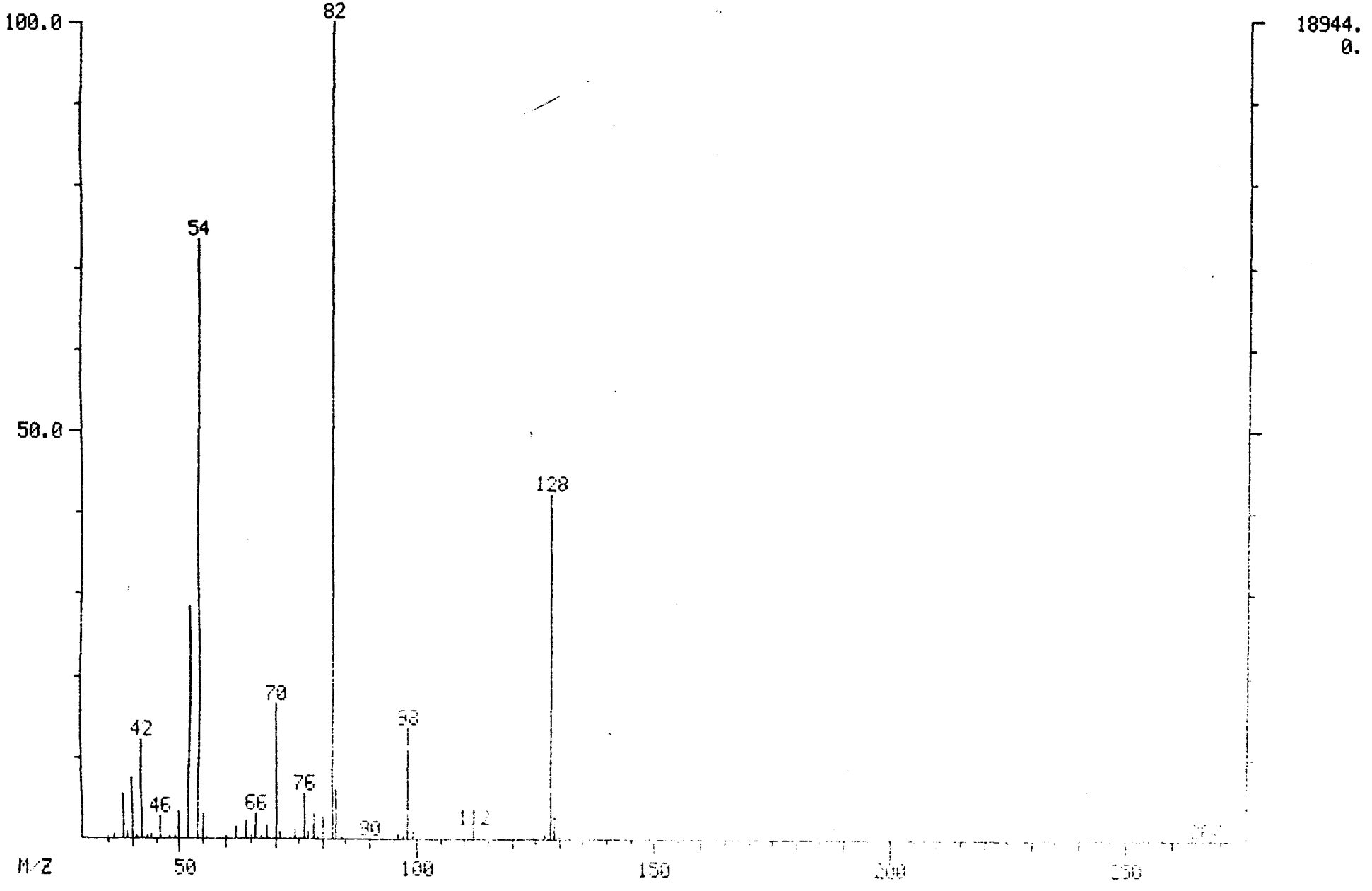
001701



MASS SPECTRUM
04/22/91 15:39:00 + 13:15
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1337
CALI: APR22GK07 #3

BASE M/Z: 82
RIC: 66176.

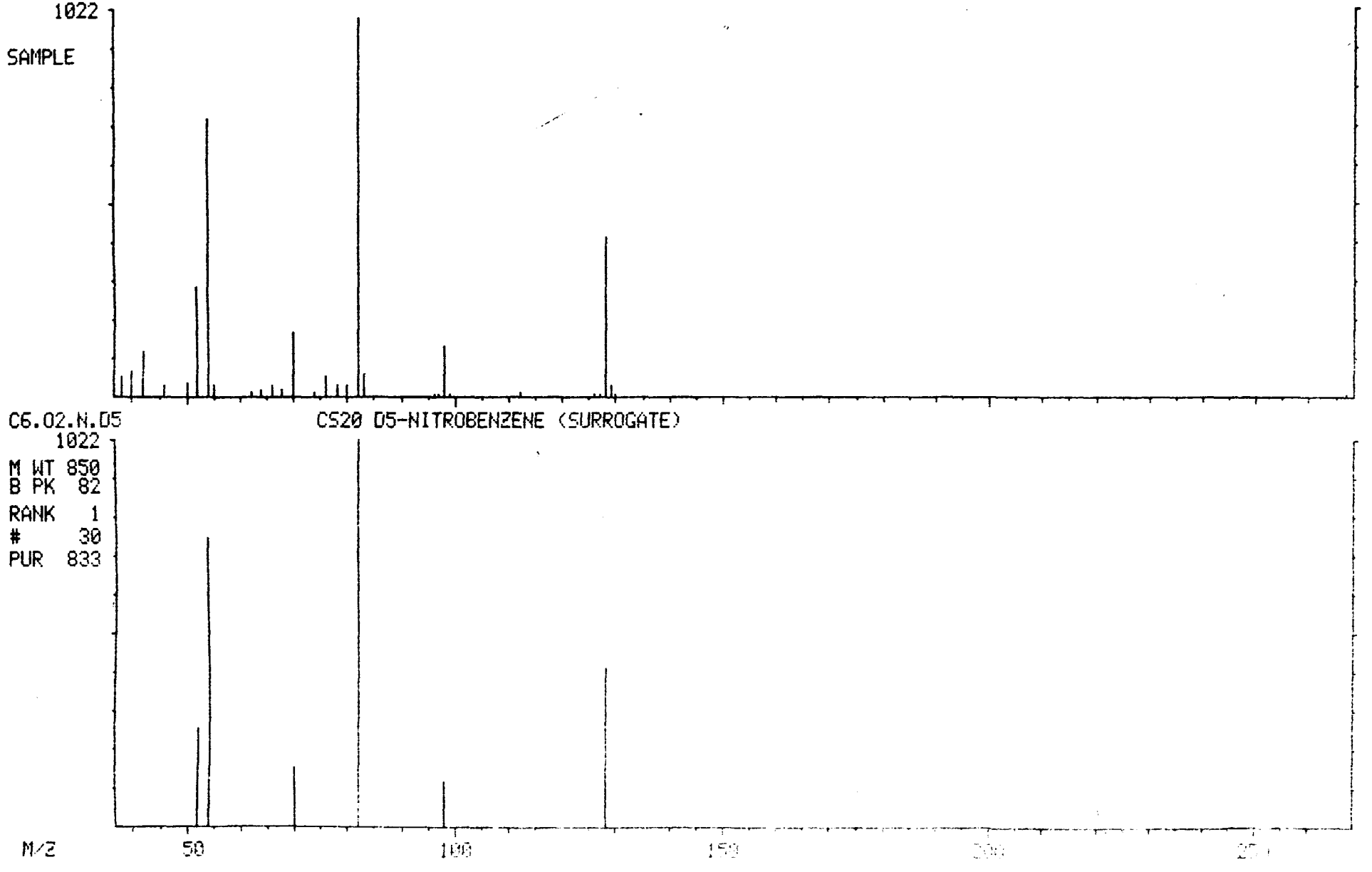


C0120

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 13:15
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1337
CALI: APR22GK07 # 3

BASE M/Z: 82
RIC: 64960.



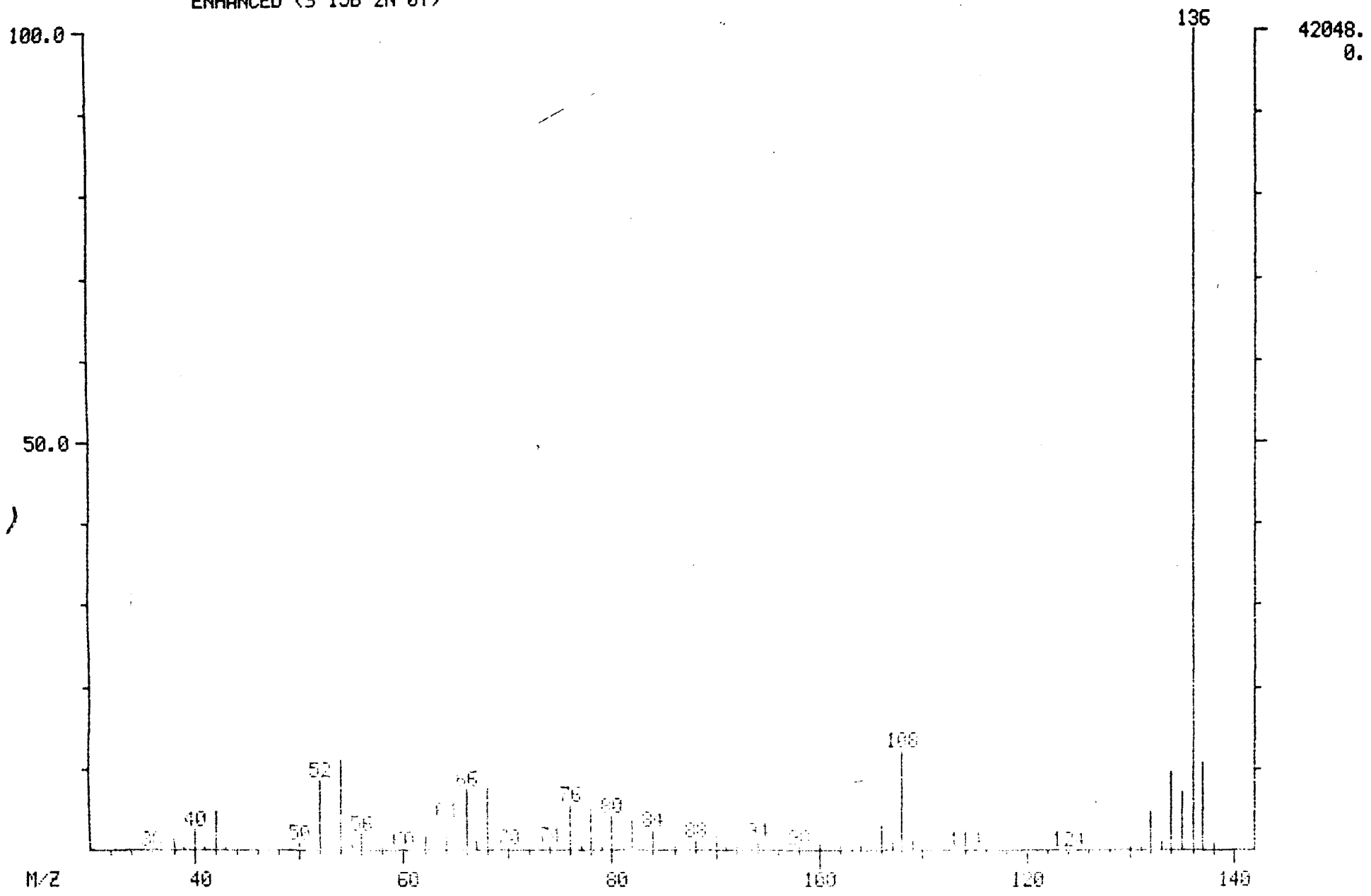
9 2 2 2 6 U U 0 4 6 3

004703

MASS SPECTRUM
04/22/91 15:39:00 + 15:01
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1515
CALI: APR22GK07 #3

BASE M/Z: 136
RIC: 101248.



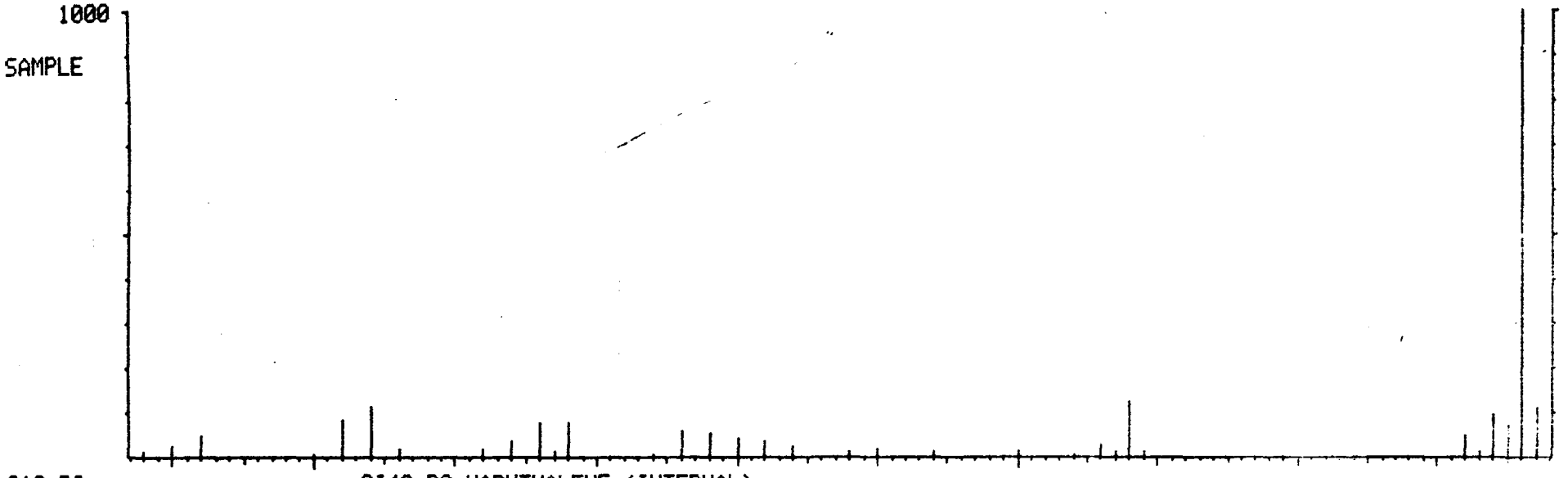
004704

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 15:01
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

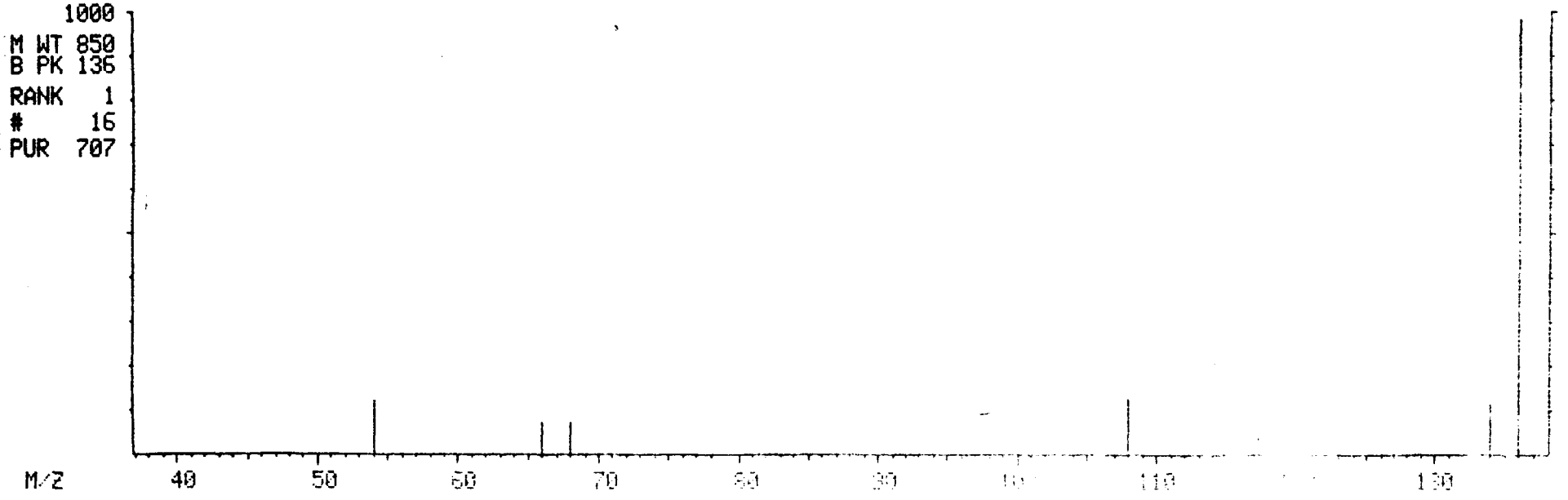
DATA: APR22GK07 #1515
CALI: APR22GK07 # 3

BASE M/Z: 136
RIC: 97024.

004705



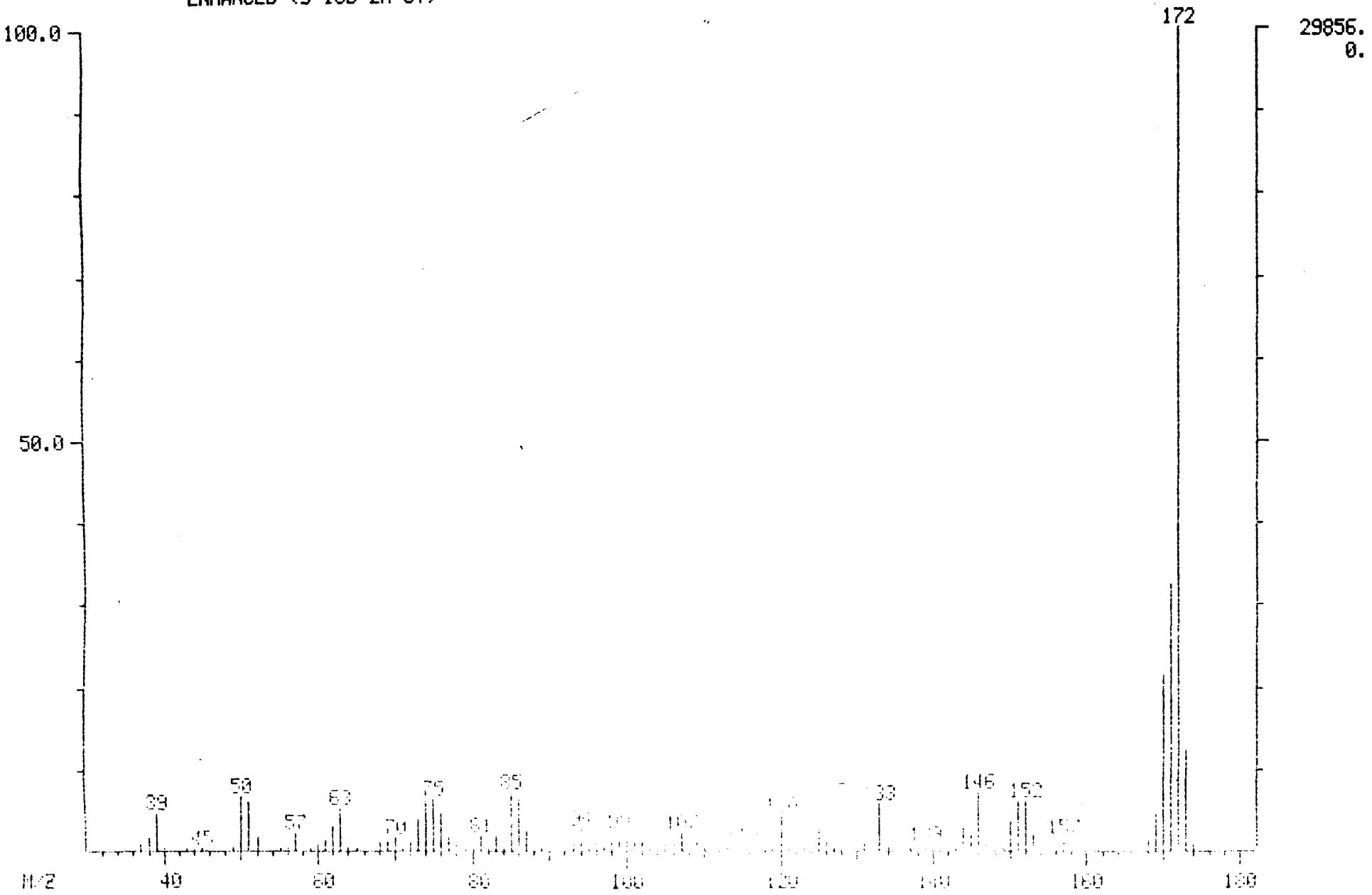
C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)



MASS SPECTRUM
04/22/91 15:39:00 + 17:49
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1798
CALI: APR22GK07 #3

BASE M/Z: 172
RIC: 102912.

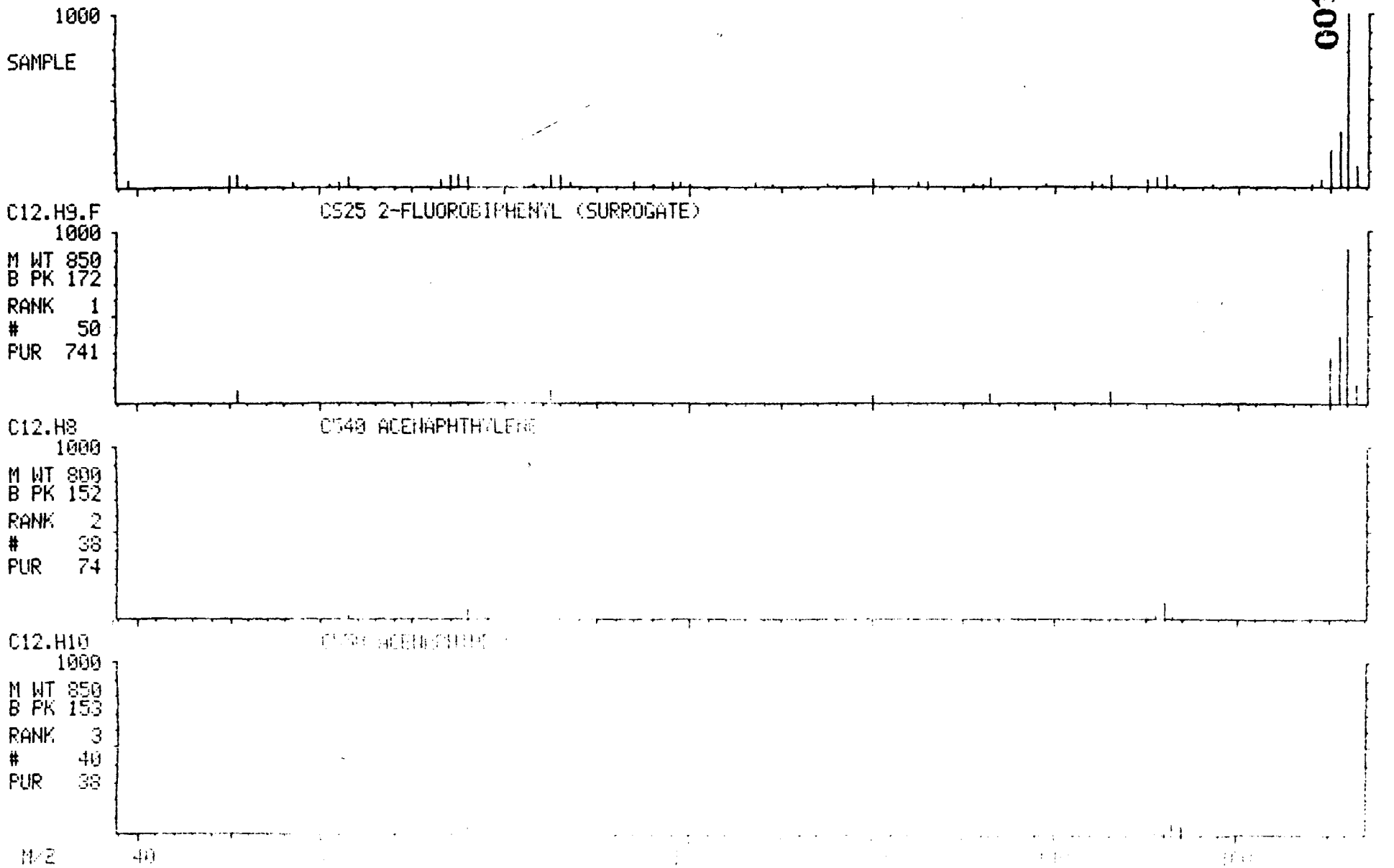


MID LIBRARY SEARCH (LIBPARTSW)
04/22/91 15:39:00 + 17:49
SAMPLE: 90306 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1798
CALI: APR22GK07 # 3

BASE M/Z: 172
RIC: 91520.

001707

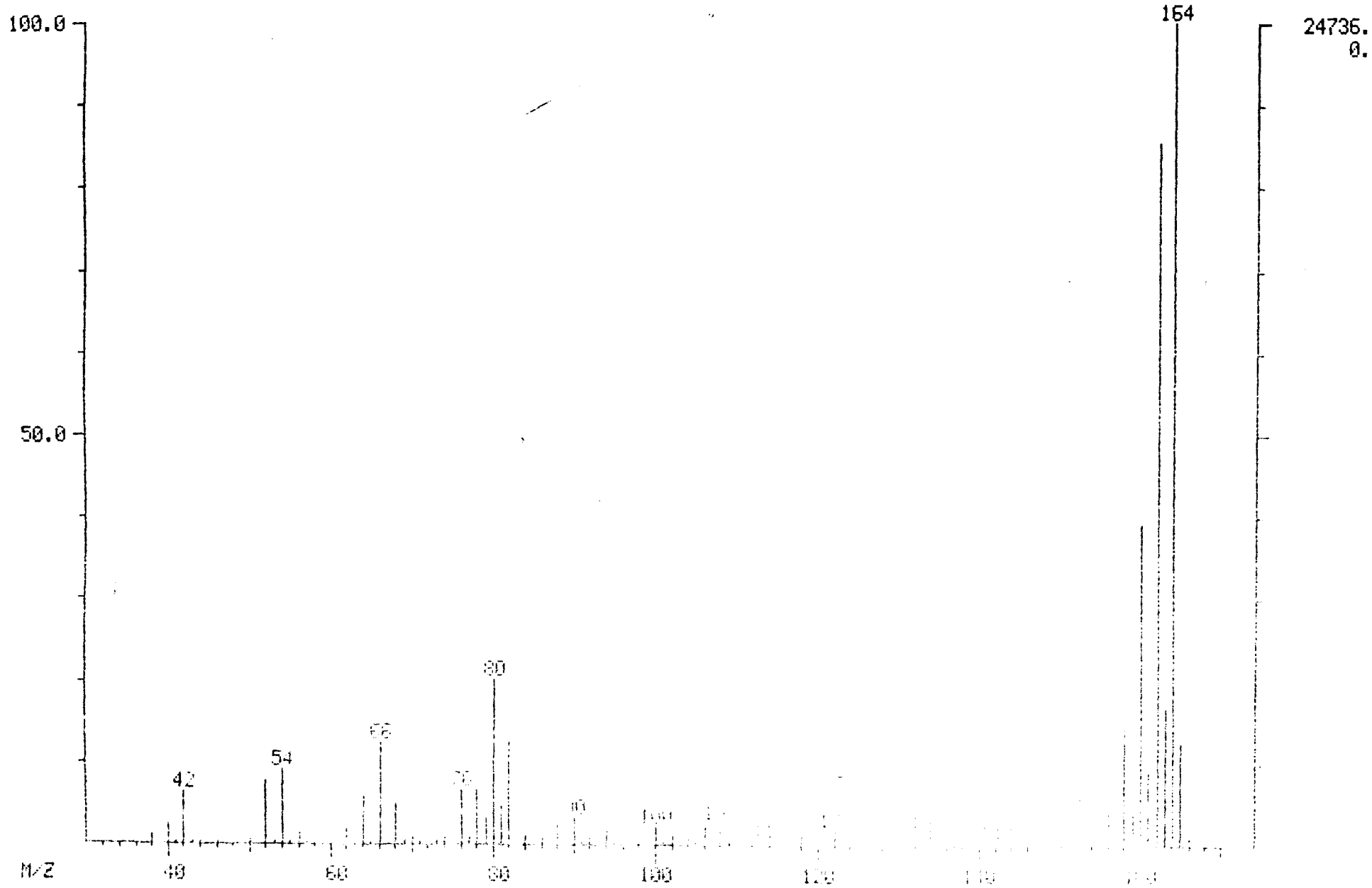


MASS SPECTRUM
04/22/91 15:39:00 + 19:35
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1976
CALI: APR22GK07 #3

BASE M/Z: 164
RIC: 111104.

004708

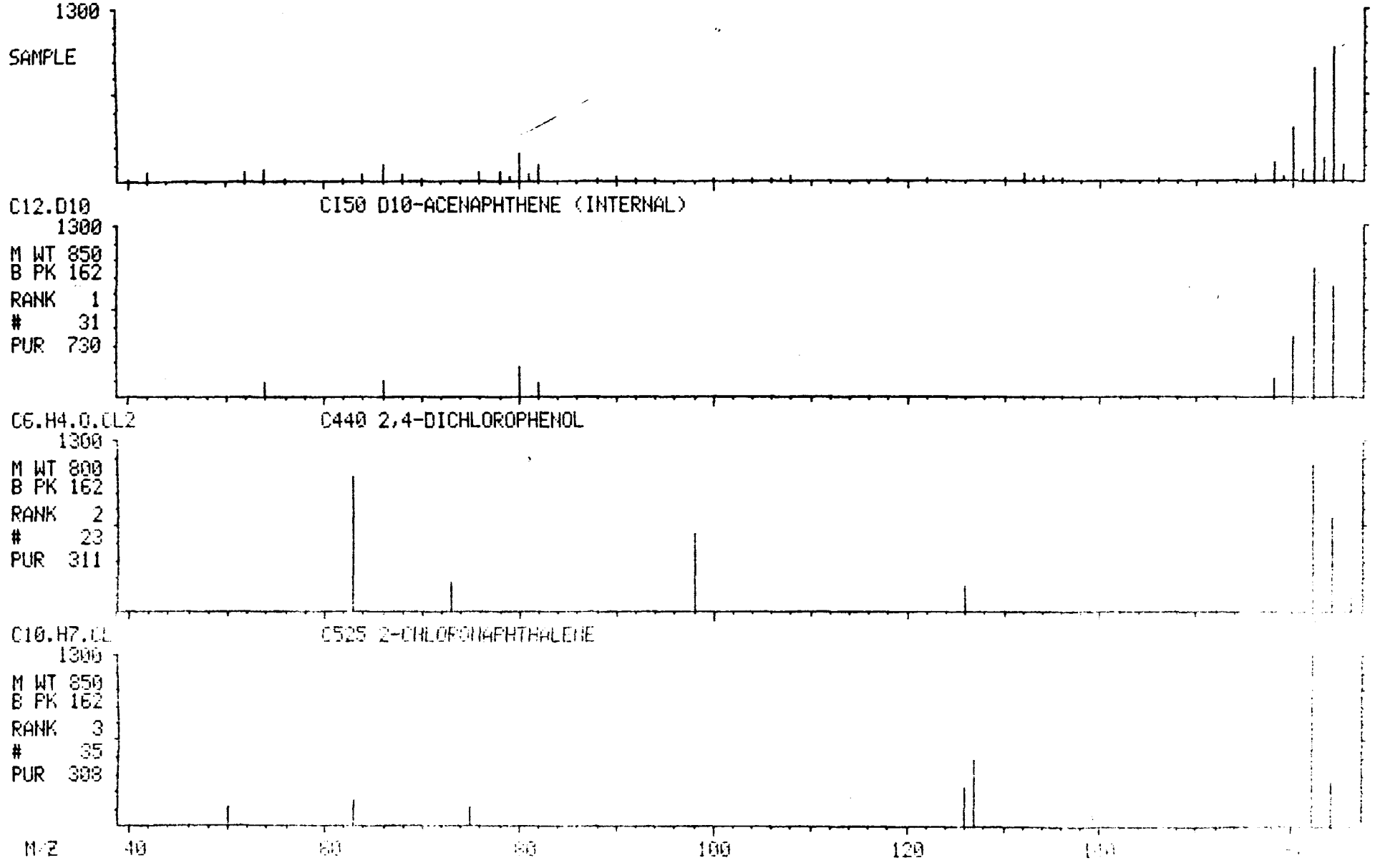


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 19:35
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1976
CALI: APR22GK07 # 3

BASE M/Z: 164
RIC: 106880.

001709

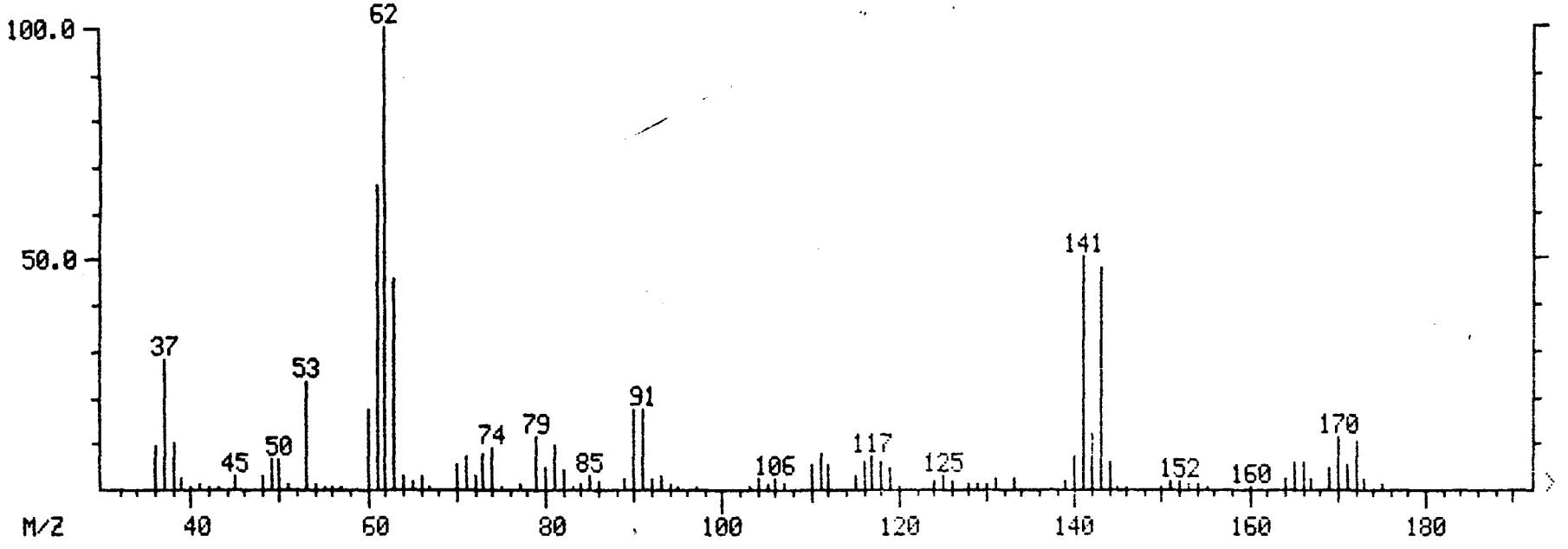


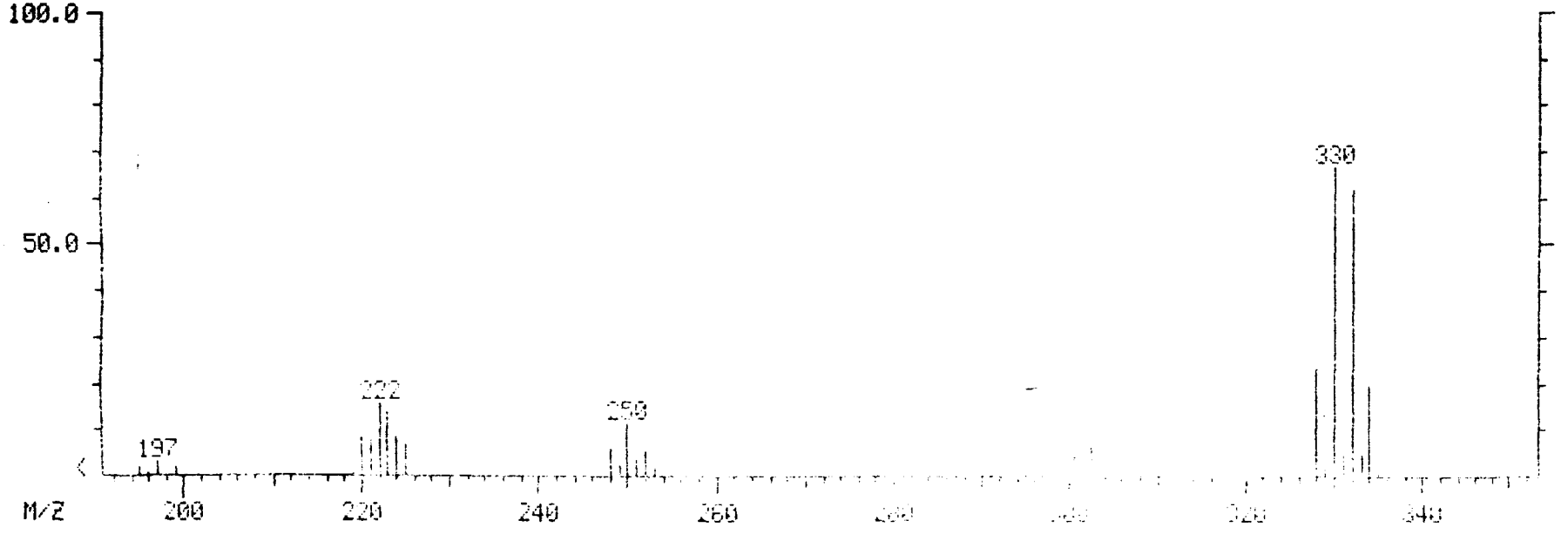
MASS SPECTRUM
04/22/91 15:39:00 + 21:39
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2184
CALI: APR22GK07 #3

BASE M/Z: 62
RIC: 78464.

001710



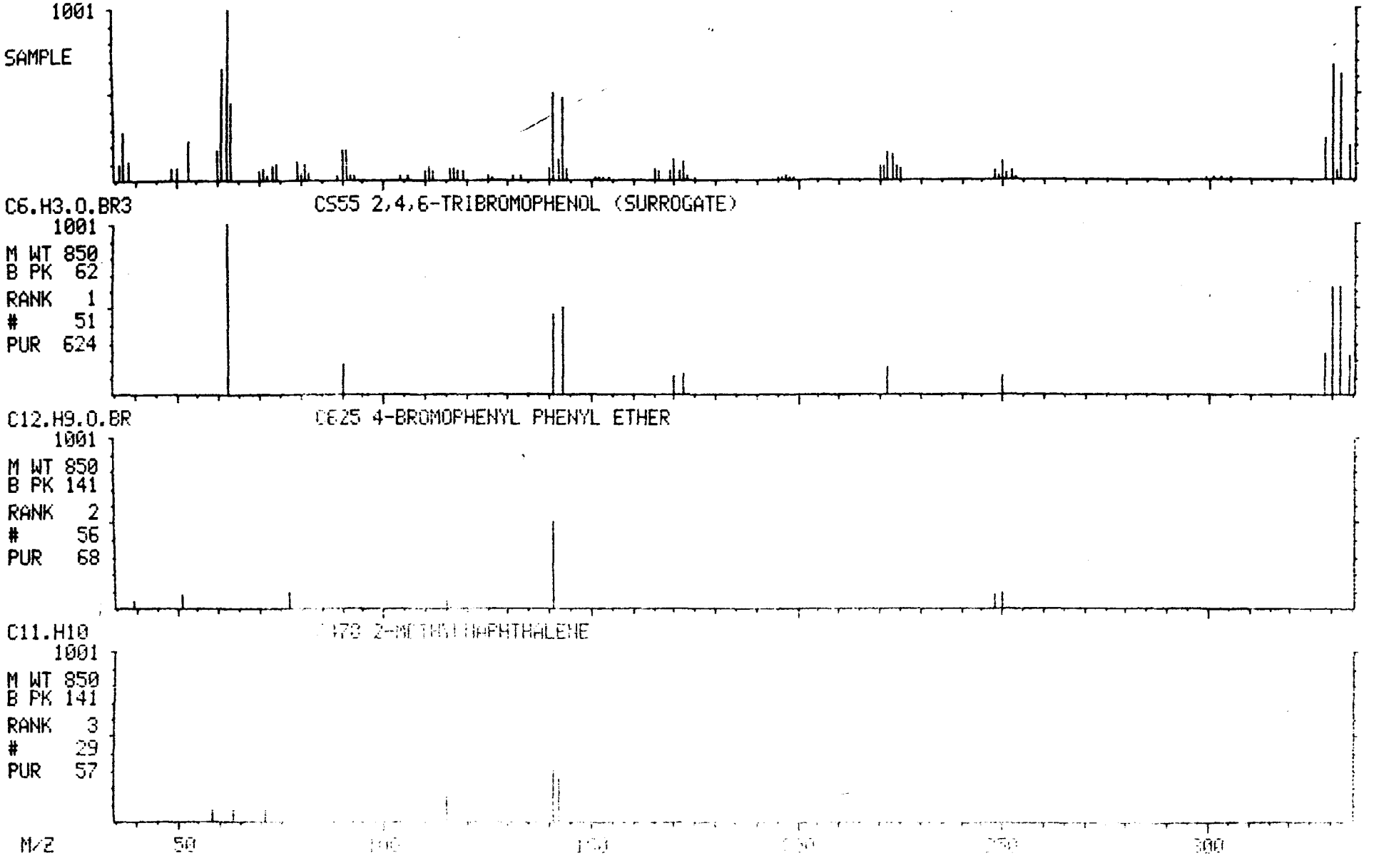


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 21:39
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 150 2N 0T)

DATA: APR22GK07 #2184
CALI: APR22GK07 # 3

BASE M/Z: 62
RIC: 73472.

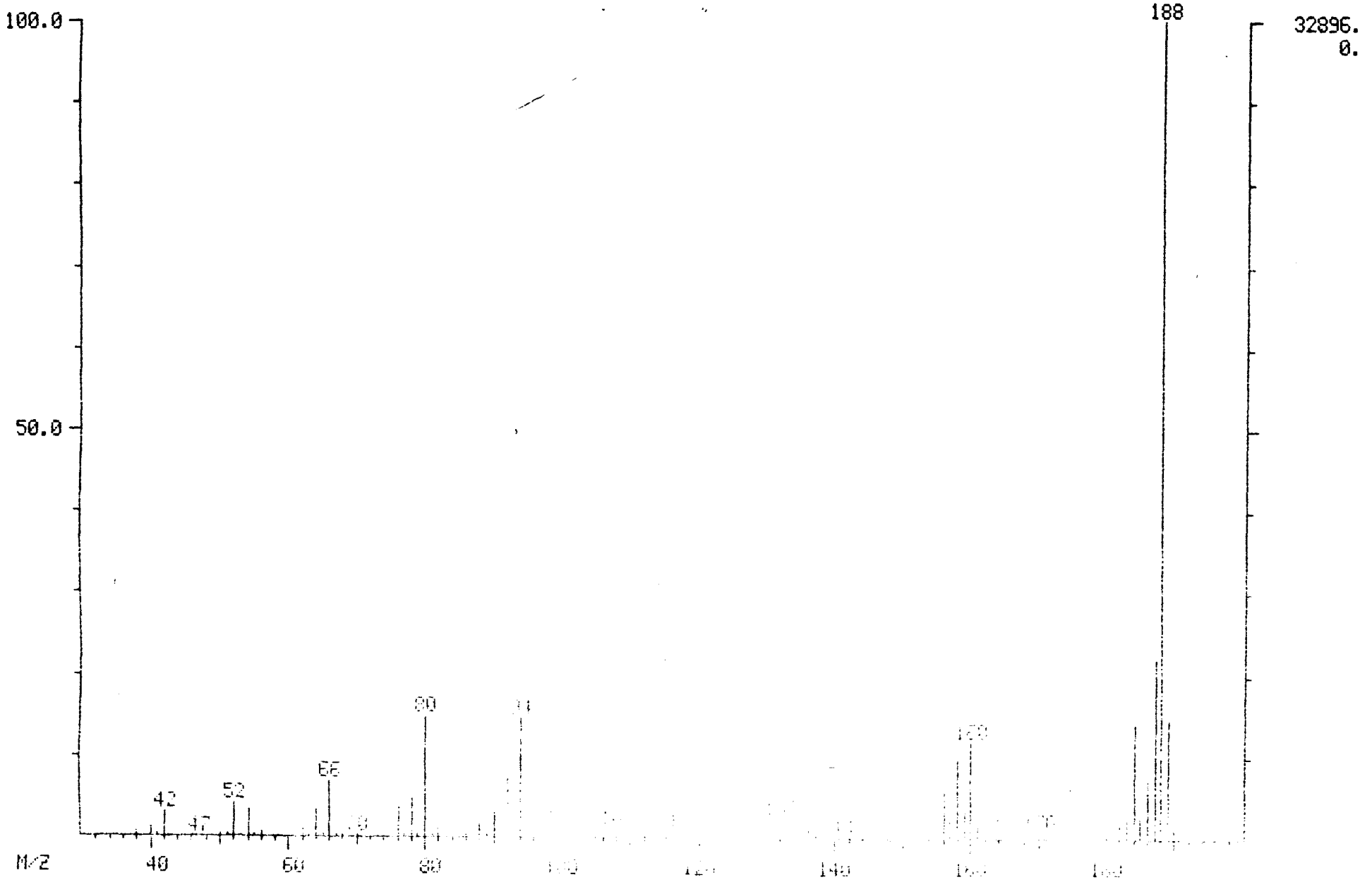
001711



MASS SPECTRUM
04/22/91 15:39:00 + 23:25
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2363
CALI: APR22GK07 #3

BASE M/Z: 188
RIC: 103296.



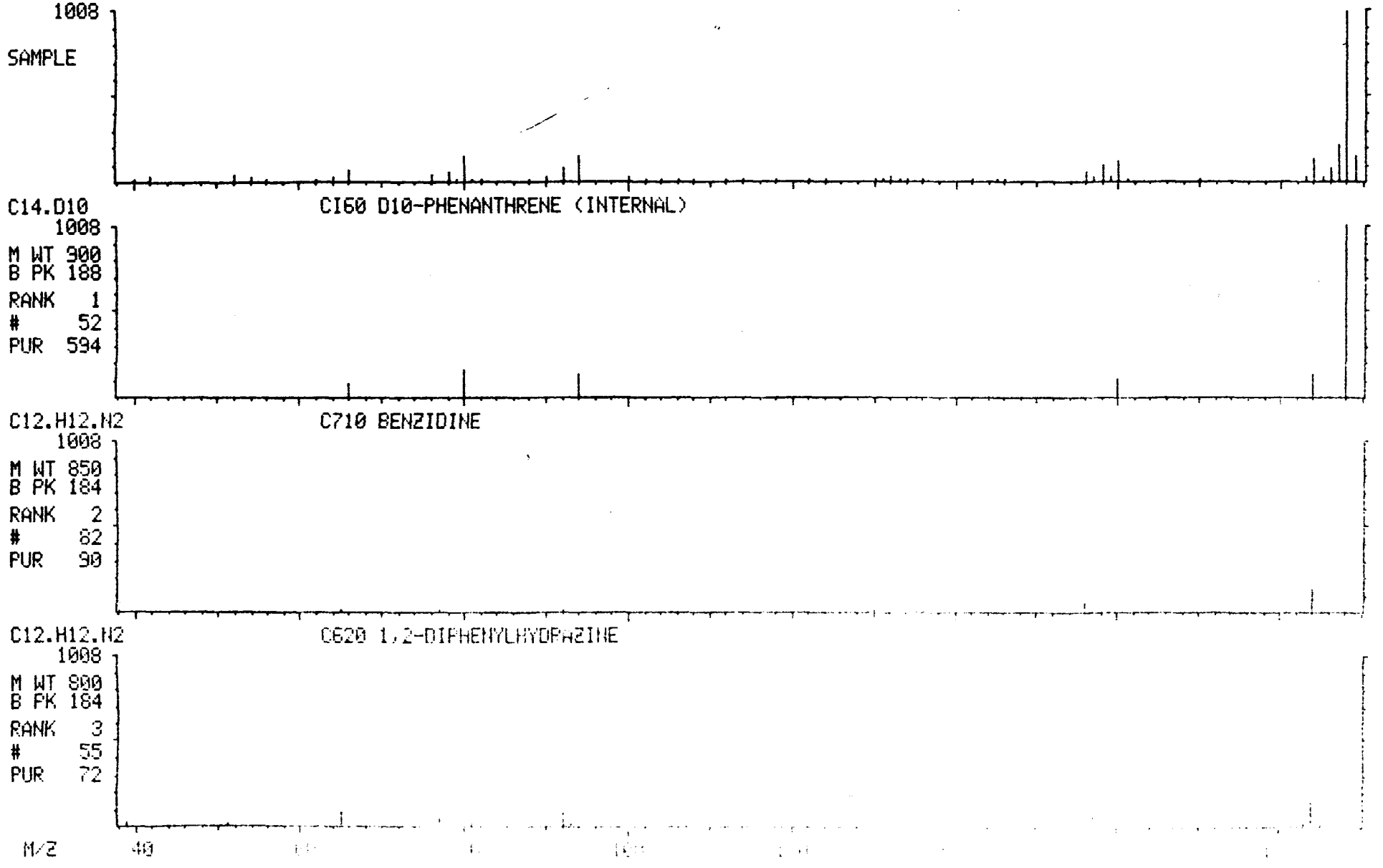
00 1713

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 23:25
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2363
CALI: APR22GK07 # 3

BASE M/Z: 188
RIC: 96896.

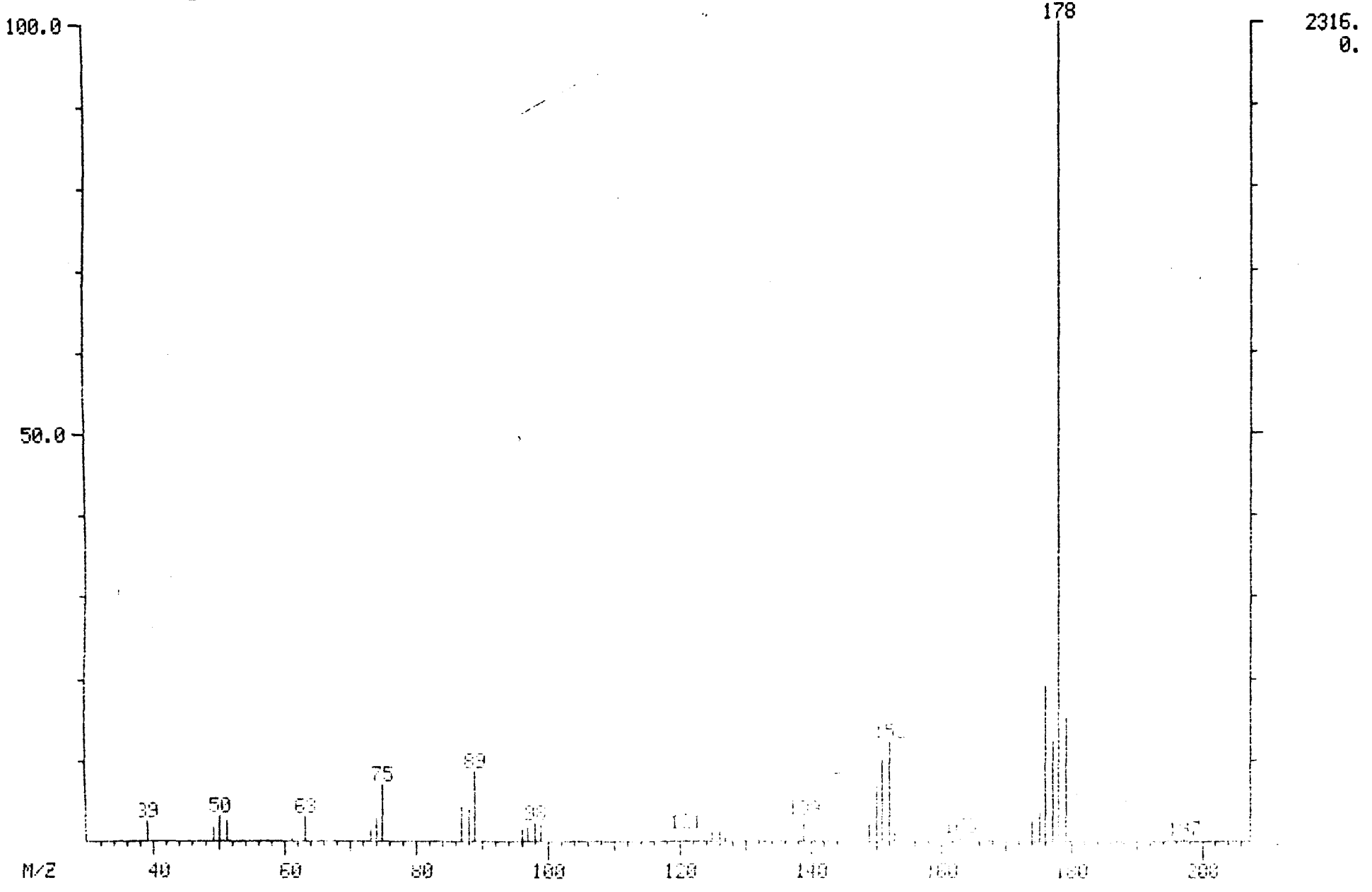
001713



MASS SPECTRUM
04/22/91 15:39:00 + 23:29
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2369
CALI: APR22GK07 #3

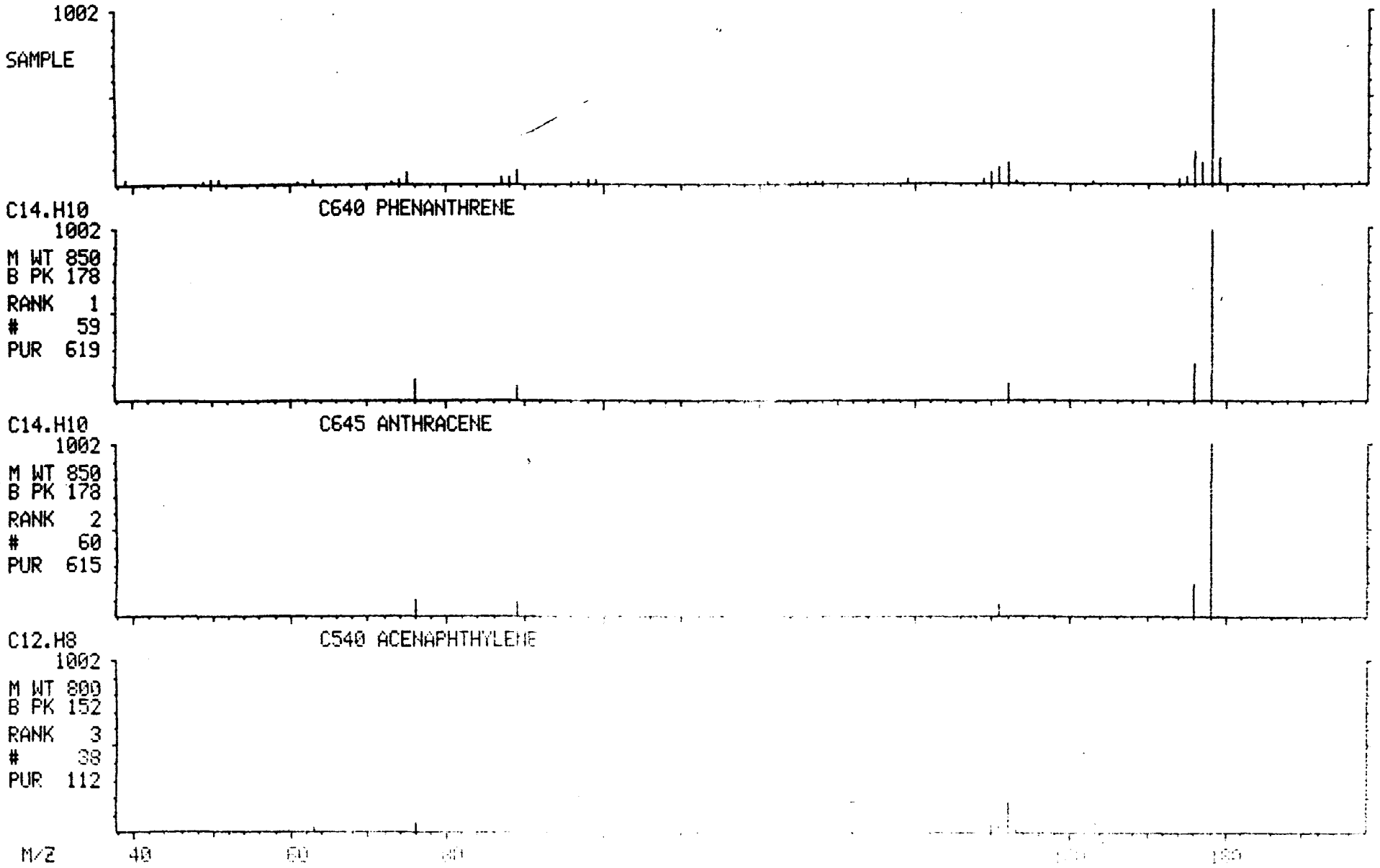
BASE M/Z: 178
RIC: 5616.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 23:29
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2369
CALI: APR22GK07 # 3

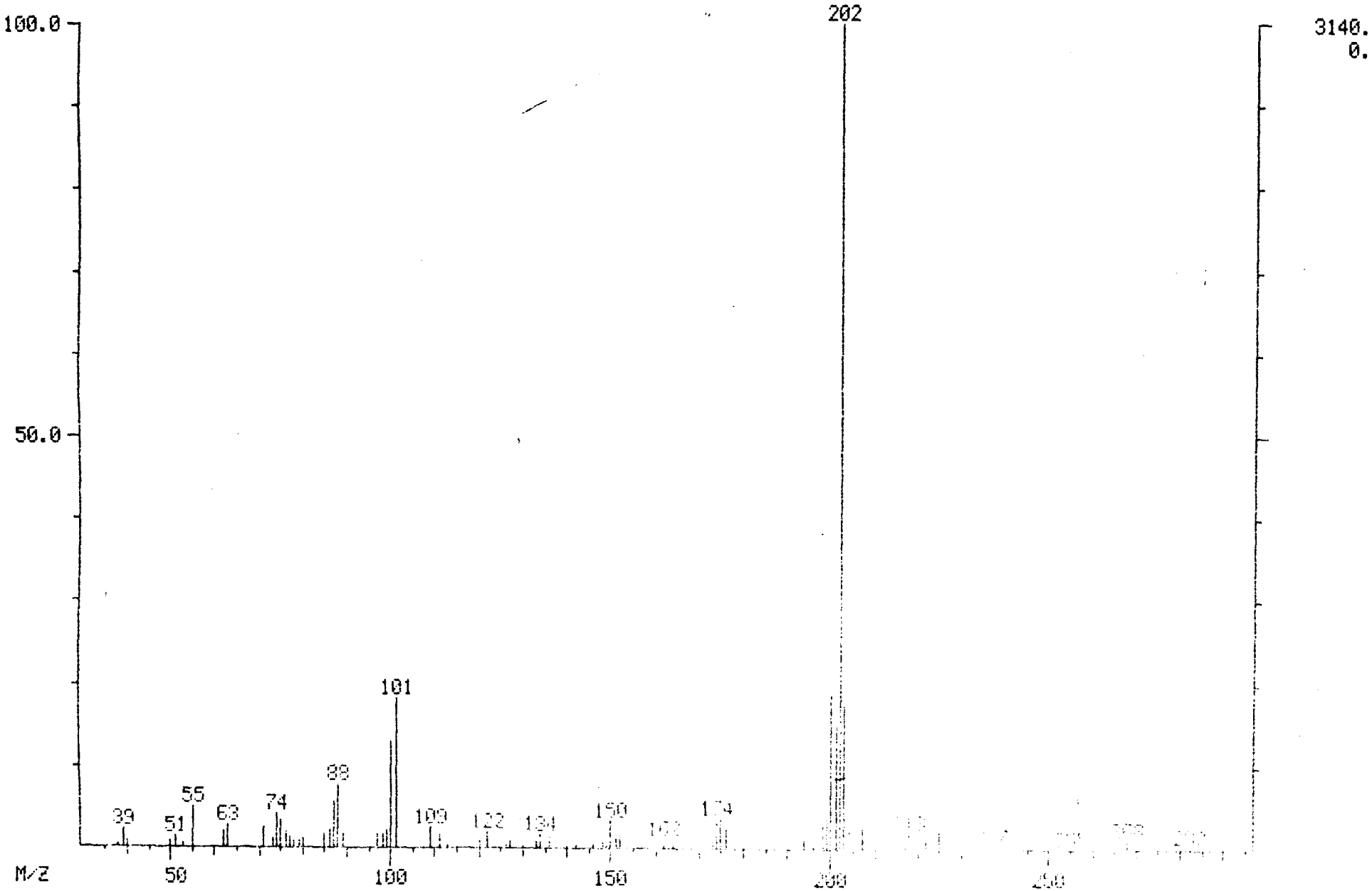
BASE M/Z: 178
RIC: 5616.



MASS SPECTRUM
04/22/91 15:39:00 + 26:37
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 268 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2686
CALI: APR22GK07 #3

BASE M/Z: 202
RIC: 9520.



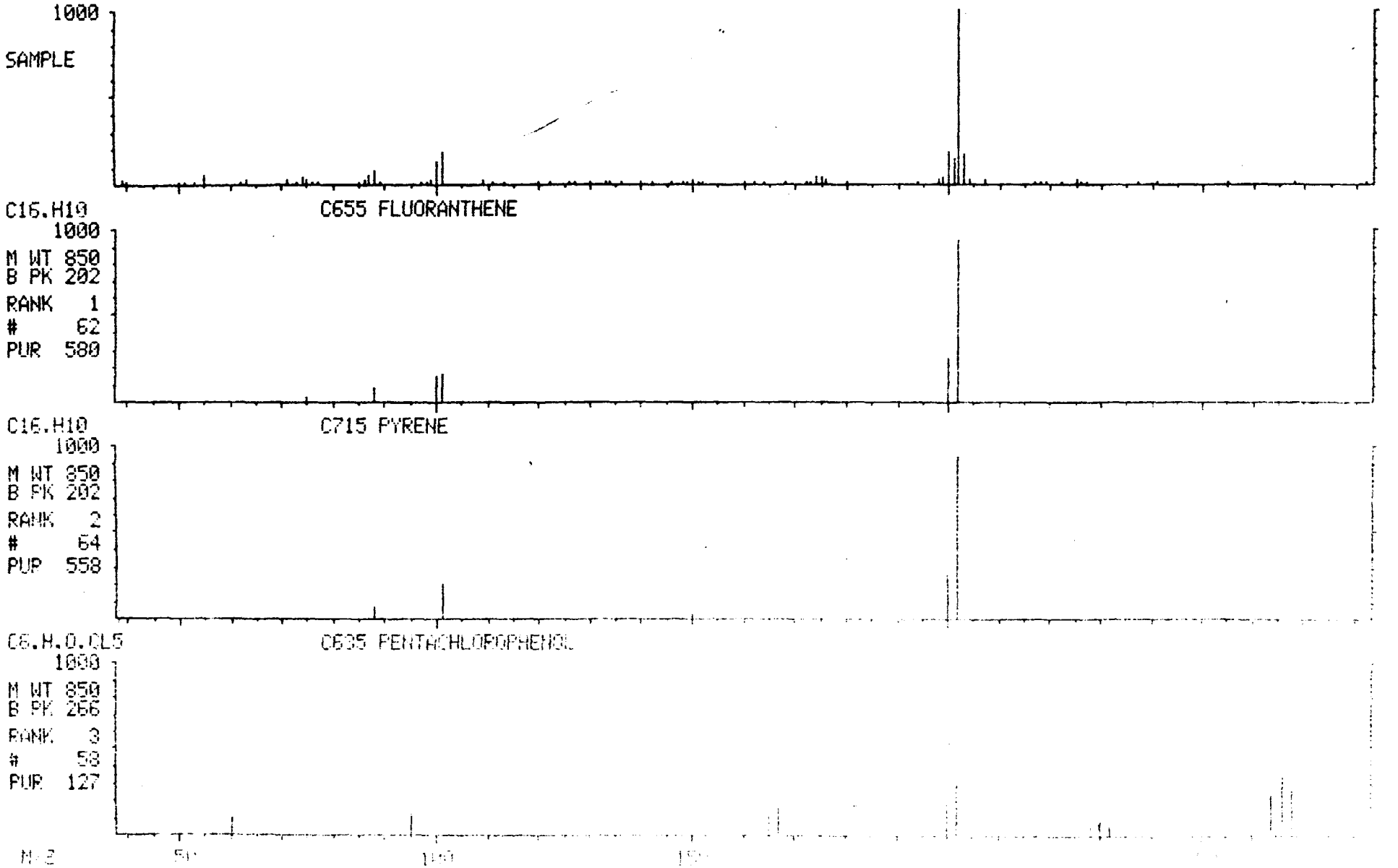
001716

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 26:37
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2686
CALI: APR22GK07 # 3

BASE M/Z: 202
RIC: 9360.

001717

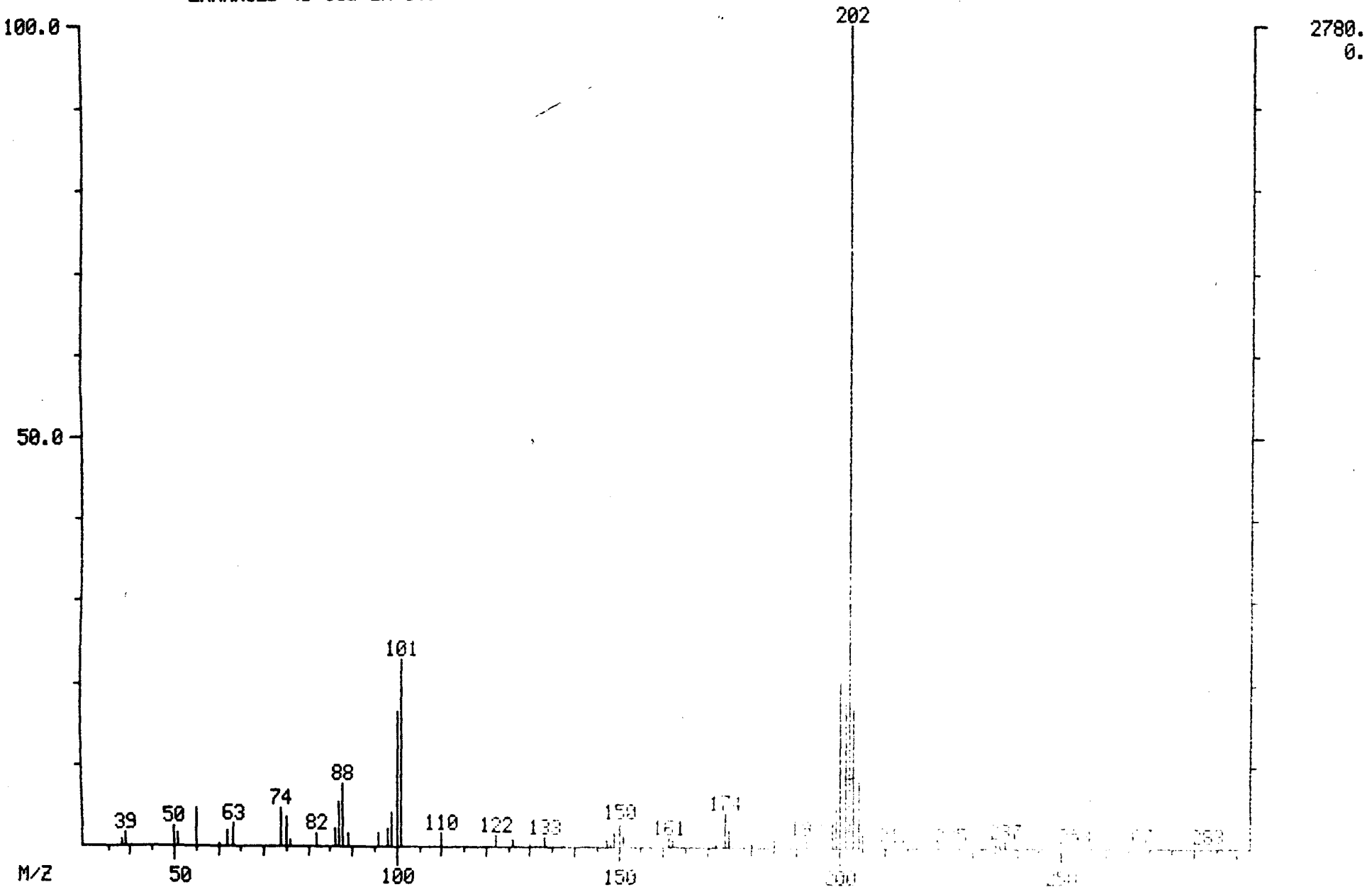


MASS SPECTRUM
04/22/91 15:39:00 + 27:14
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 274 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2747
CALI: APR22GK07 #3

BASE M/Z: 202
RIC: 8136.

001718

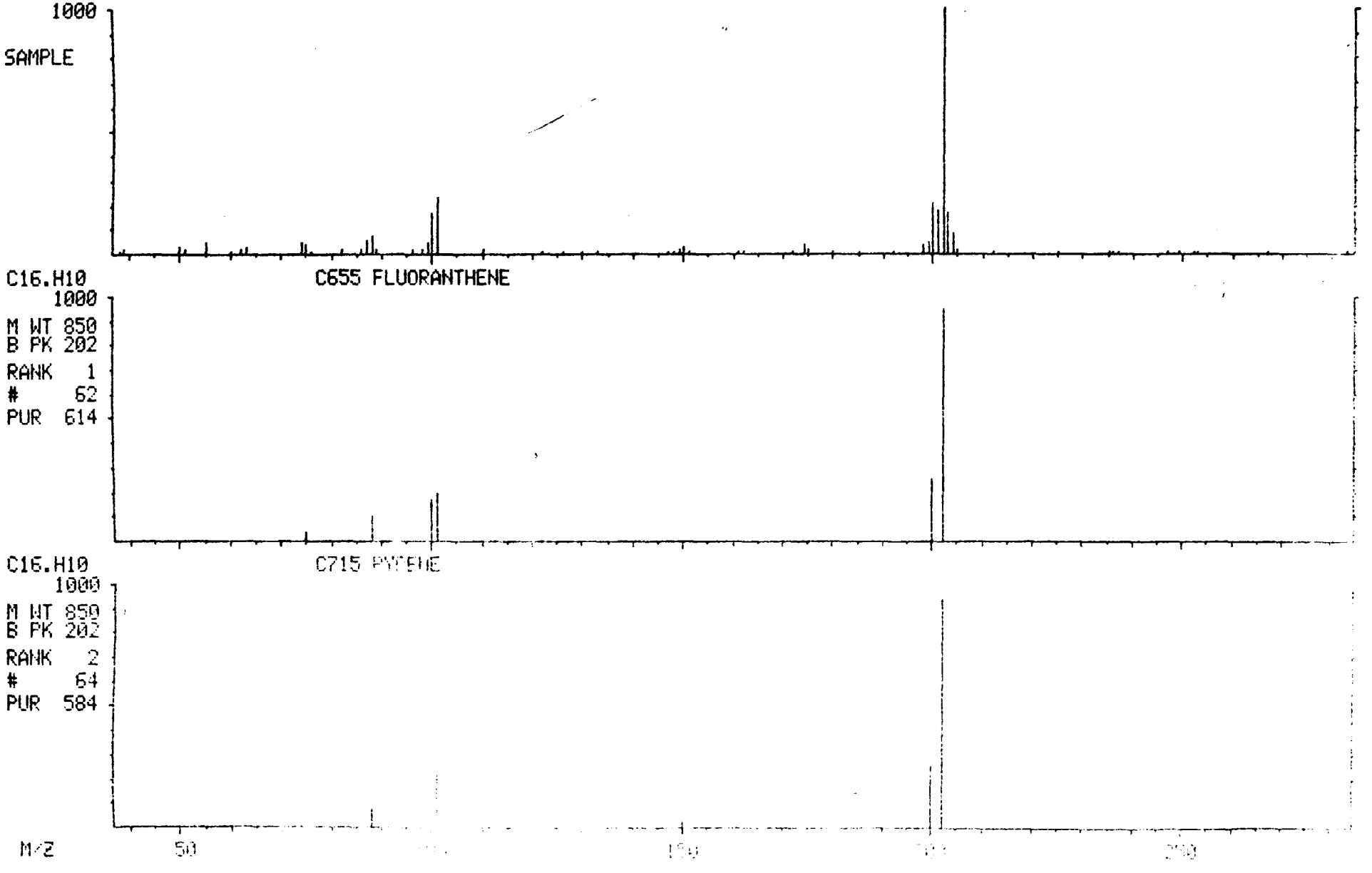


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 27:14
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2747
CALI: APR22GK07 # 3

BASE M/Z: 202
RIC: 8128.

001719

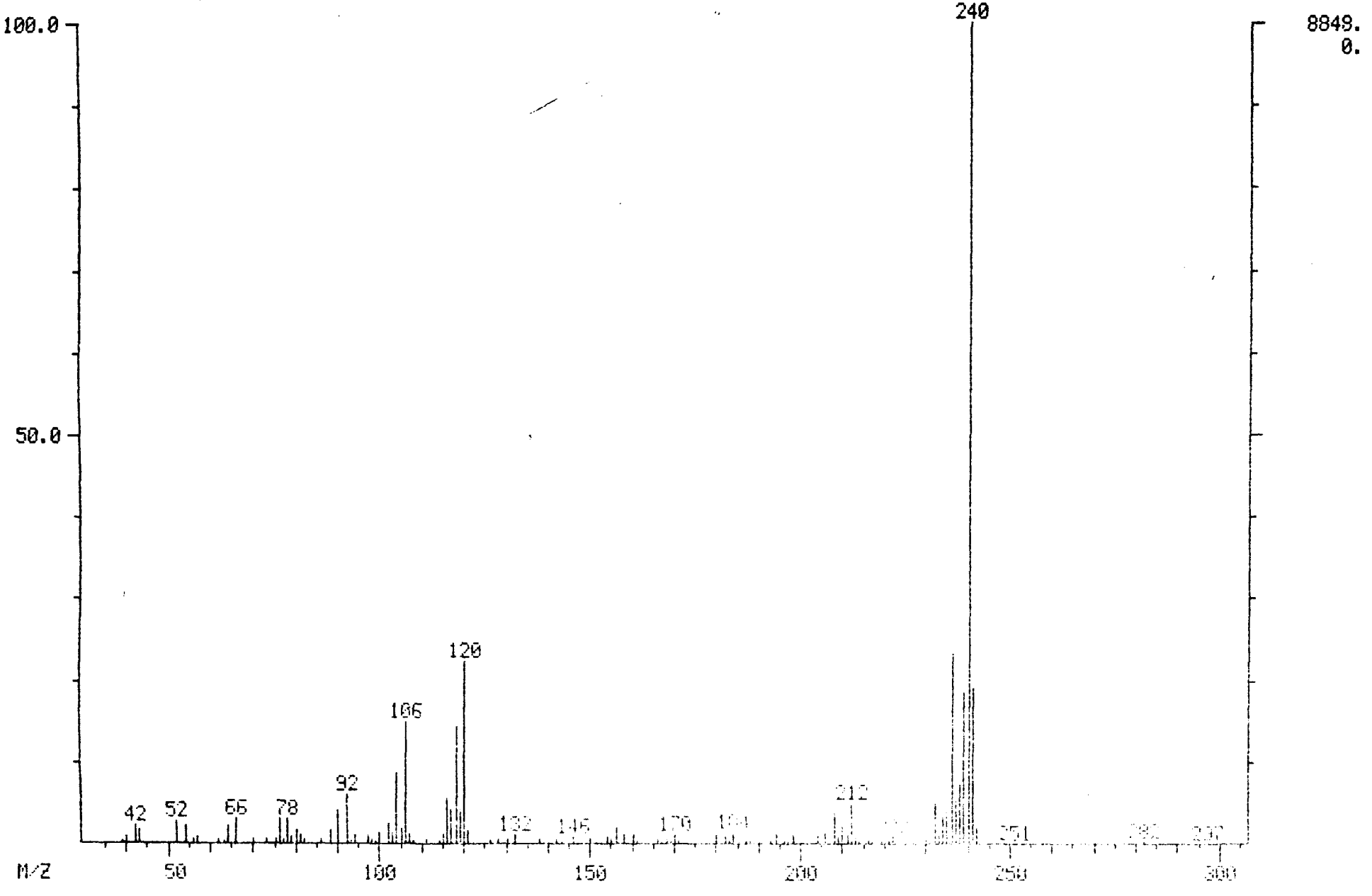


MASS SPECTRUM
04/22/91 15:39:00 + 31:13
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3149
CALI: APR22GK07 #3

BASE M/Z: 240
RIC: 32320.

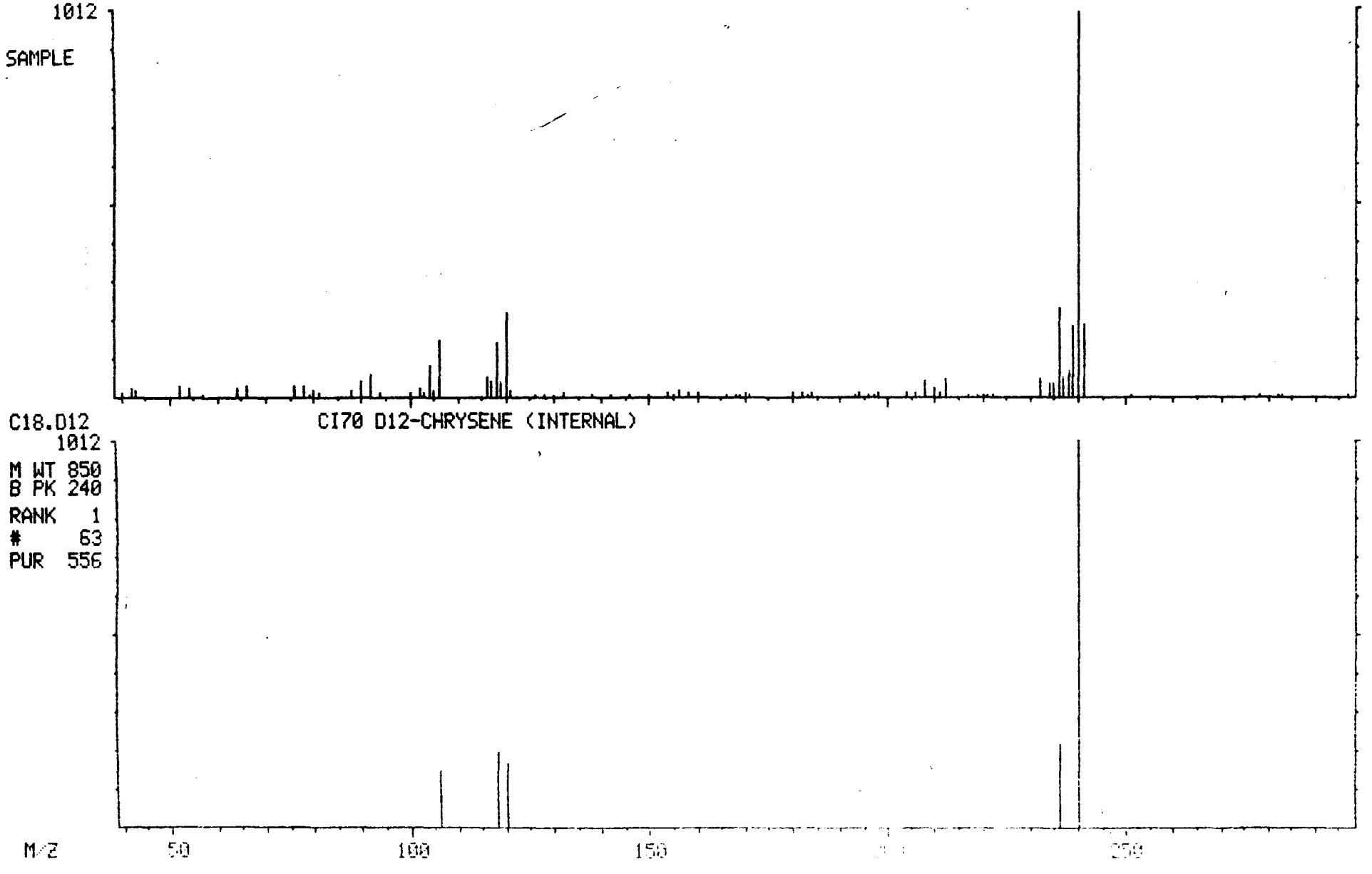
001720



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 31:13
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3149
CALI: APR22GK07 # 3

BASE M/Z: 240
RIC: 30496.

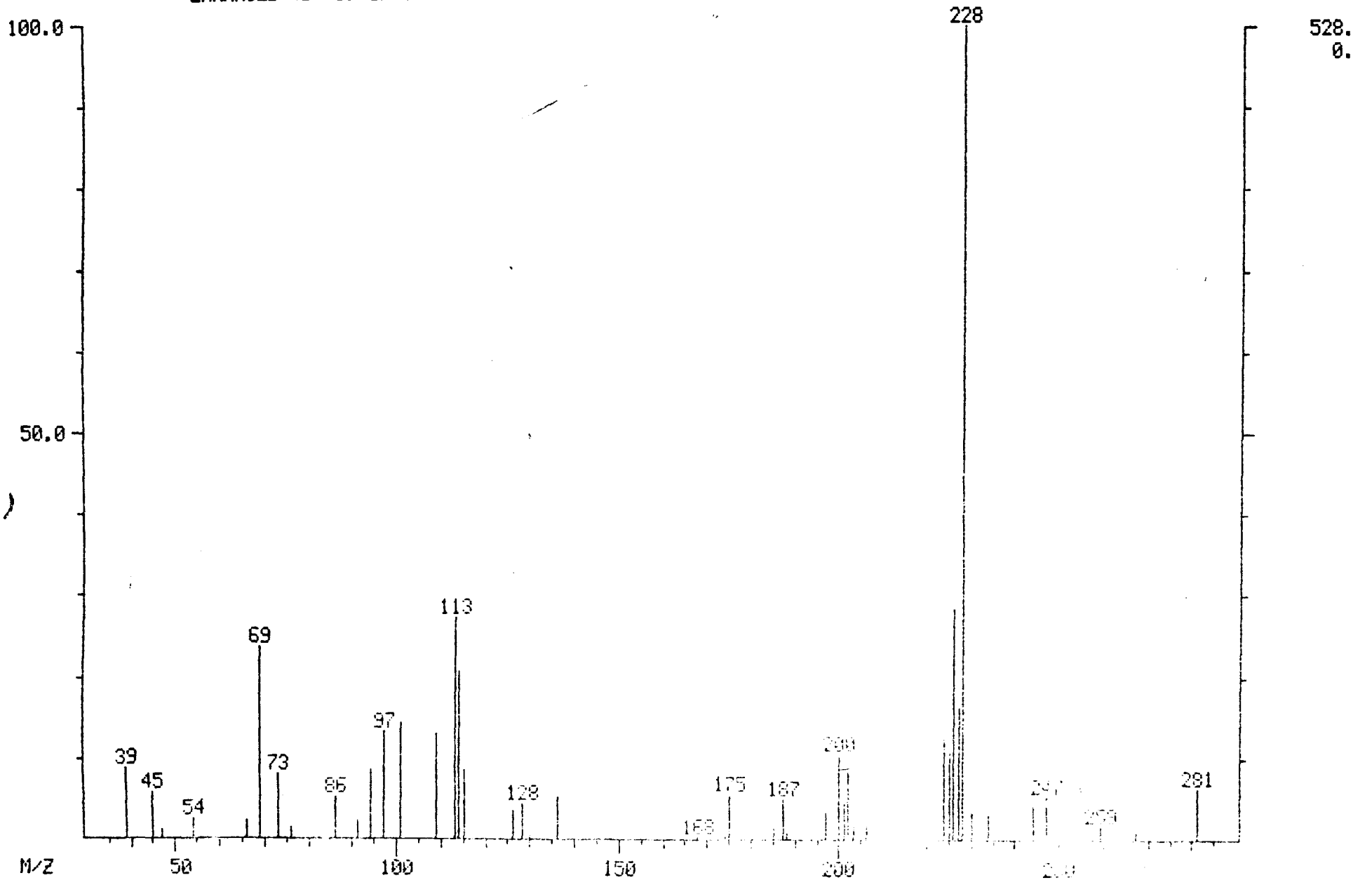


MASS SPECTRUM
04/22/91 15:39:00 + 31:19
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3160
CALI: APR22GK07 #3

BASE M/Z: 228
RIC: 2224.

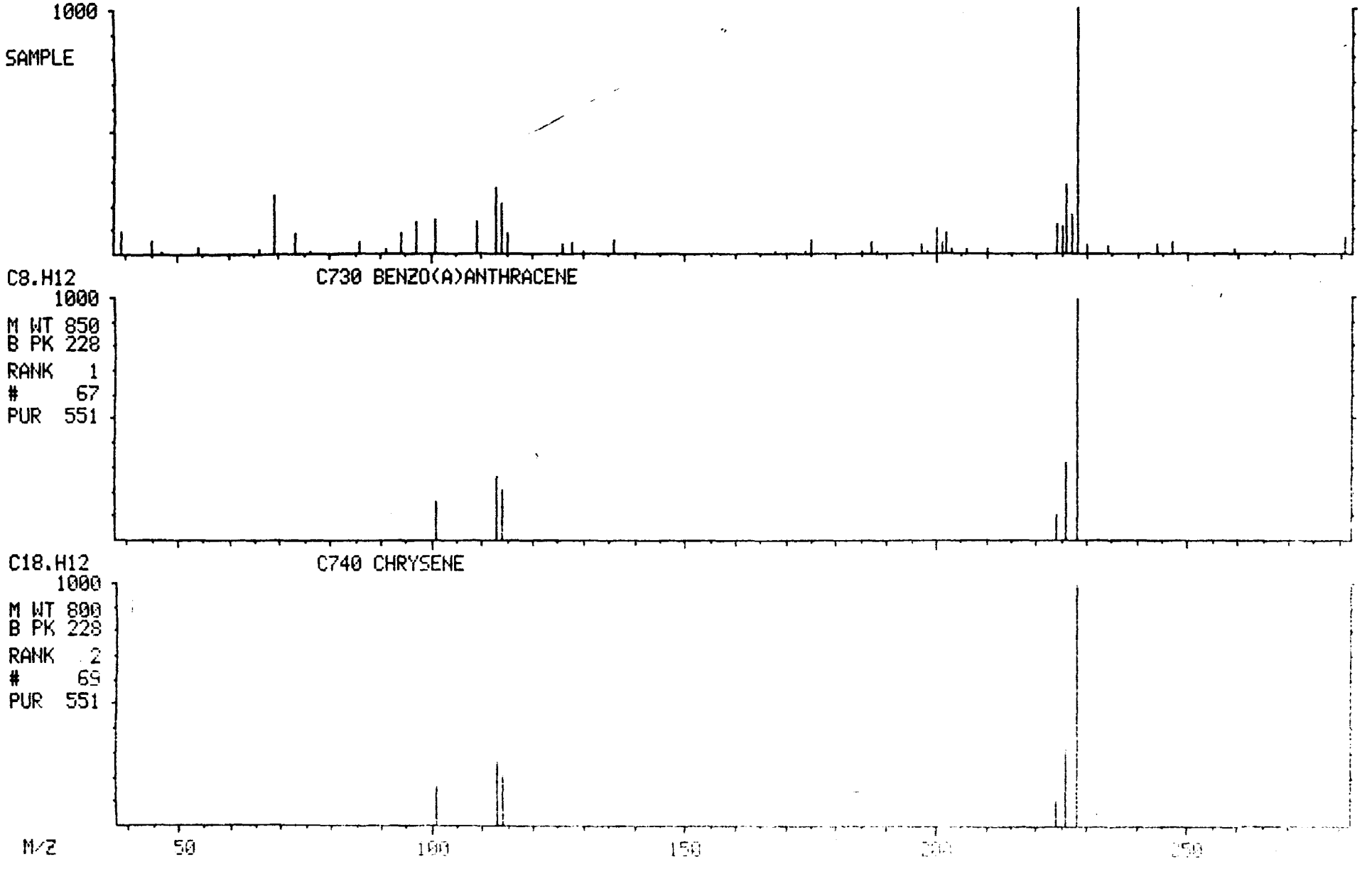
001722



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 31:19
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3160
CALI: APR22GK07 # 3

BASE M/Z: 228
RIC: 2224.



001722

MASS SPECTRUM
04/22/91 15:39:00 + 27:36
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: APR22GK07 #2785
CALI: APR22GK07 #3

BASE M/Z: 244
RIC: 71808.

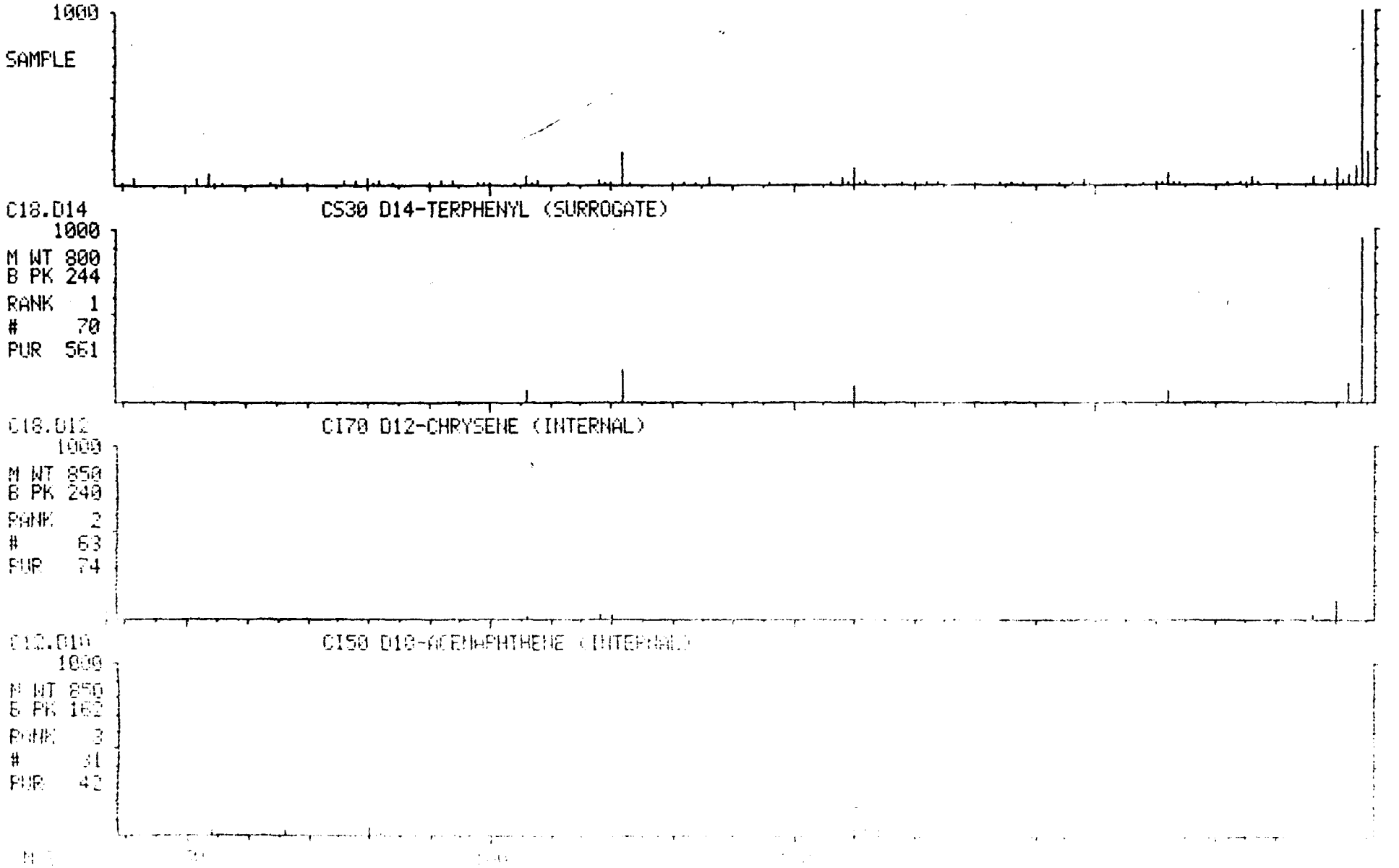
001724

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 27:36
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2785
CALI: APR22GK07 # 3

BASE M/Z: 244
RIC: 66944.

001725

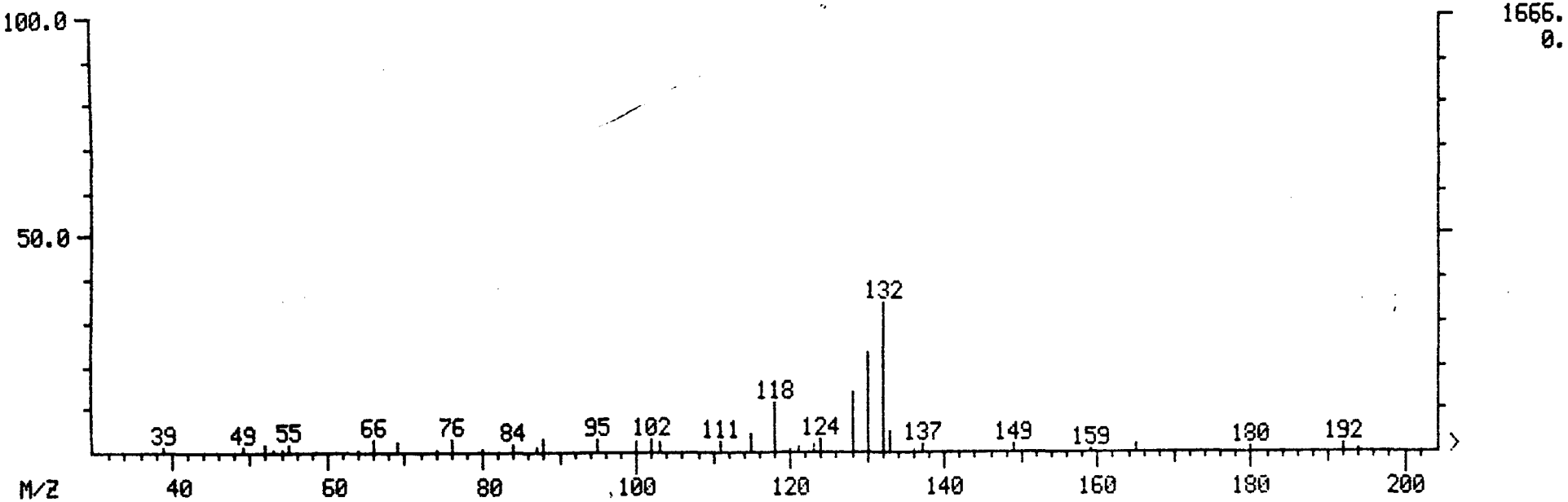


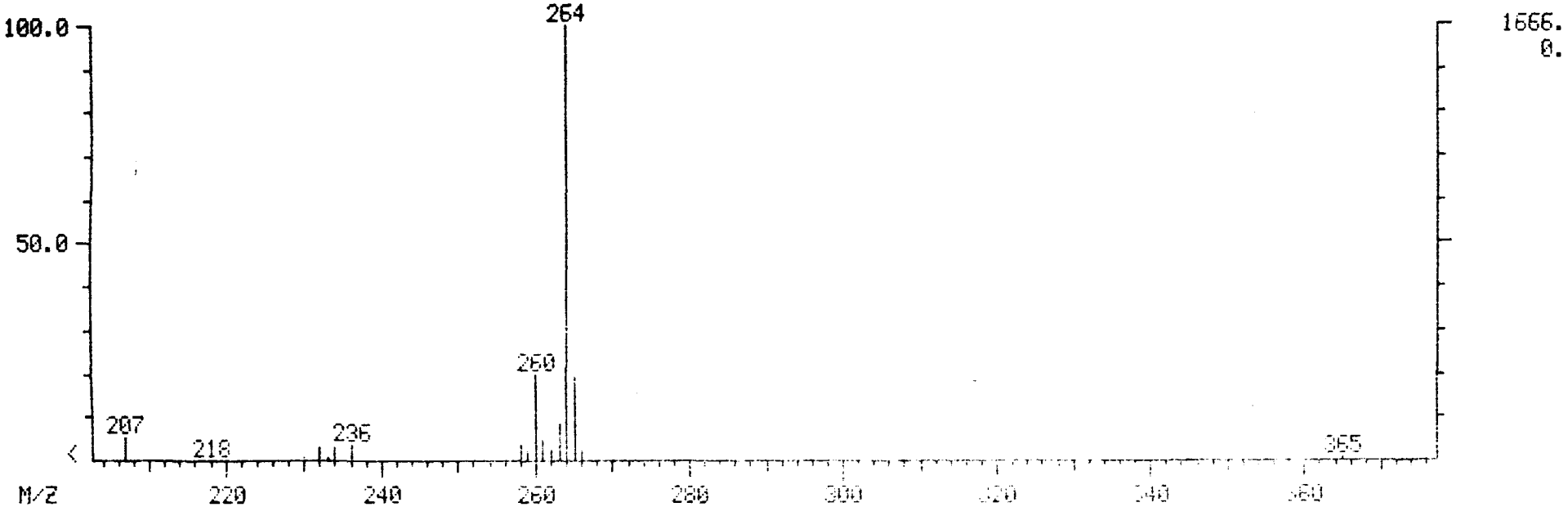
MASS SPECTRUM
04/22/91 15:39:00 + 40:25
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #4078
CALI: APR22GK07 #3

BASE M/Z: 264
RIC: 5432.

001725

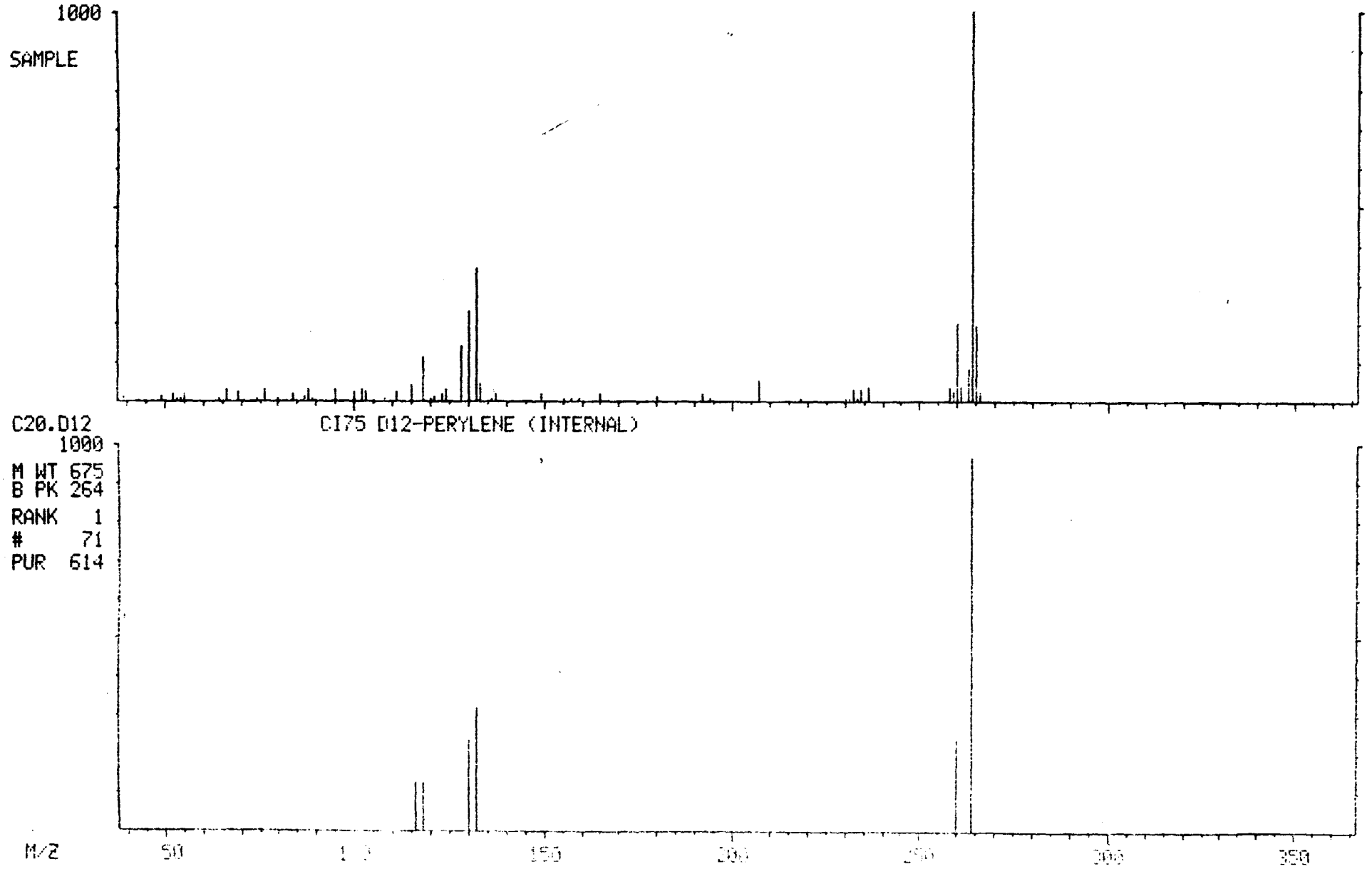




MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 15:39:00 + 40:25
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #4078
CALI: APR22GK07 # 3

BASE M/Z: 264
RIC: 5392.

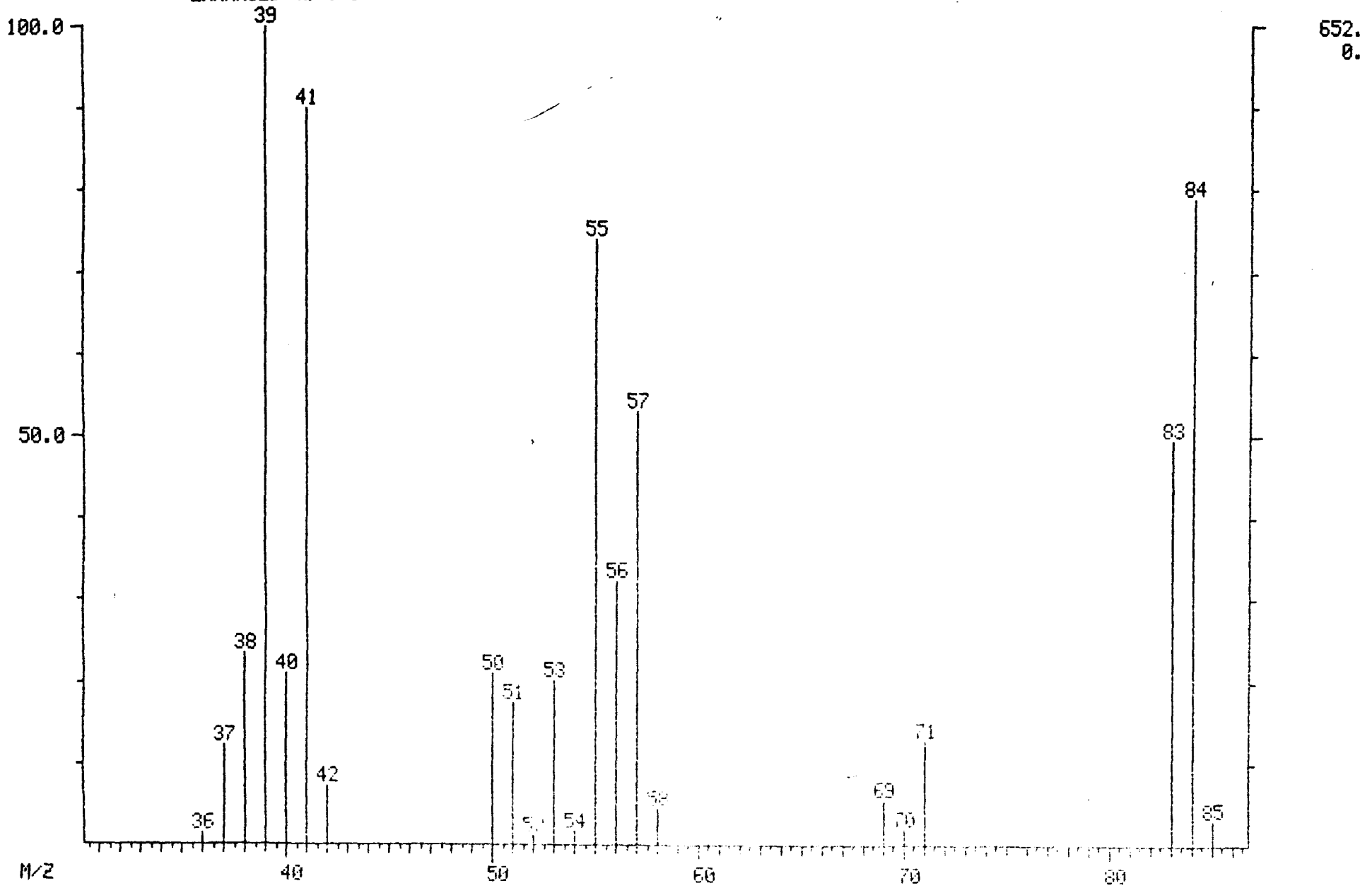


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 15:39:00 + 6:42
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 67 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #676
CALI: APR22GK07 #3

BASE M/Z: 39
RIC: 4120.



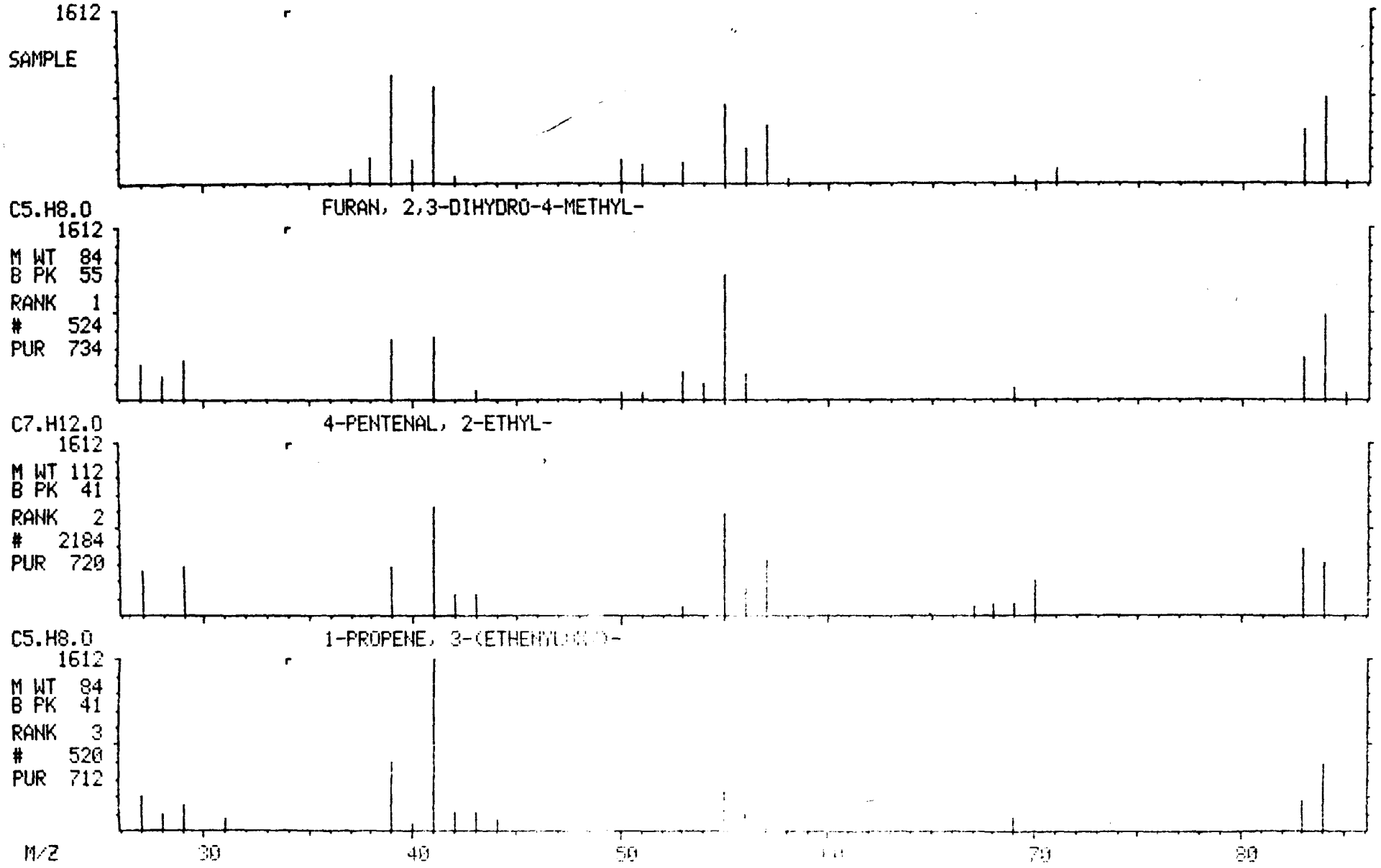
652.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 6:42
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 # 676
CALI: APR22GK07 # 3

BASE M/Z: 39
RIC: 4096.

001730

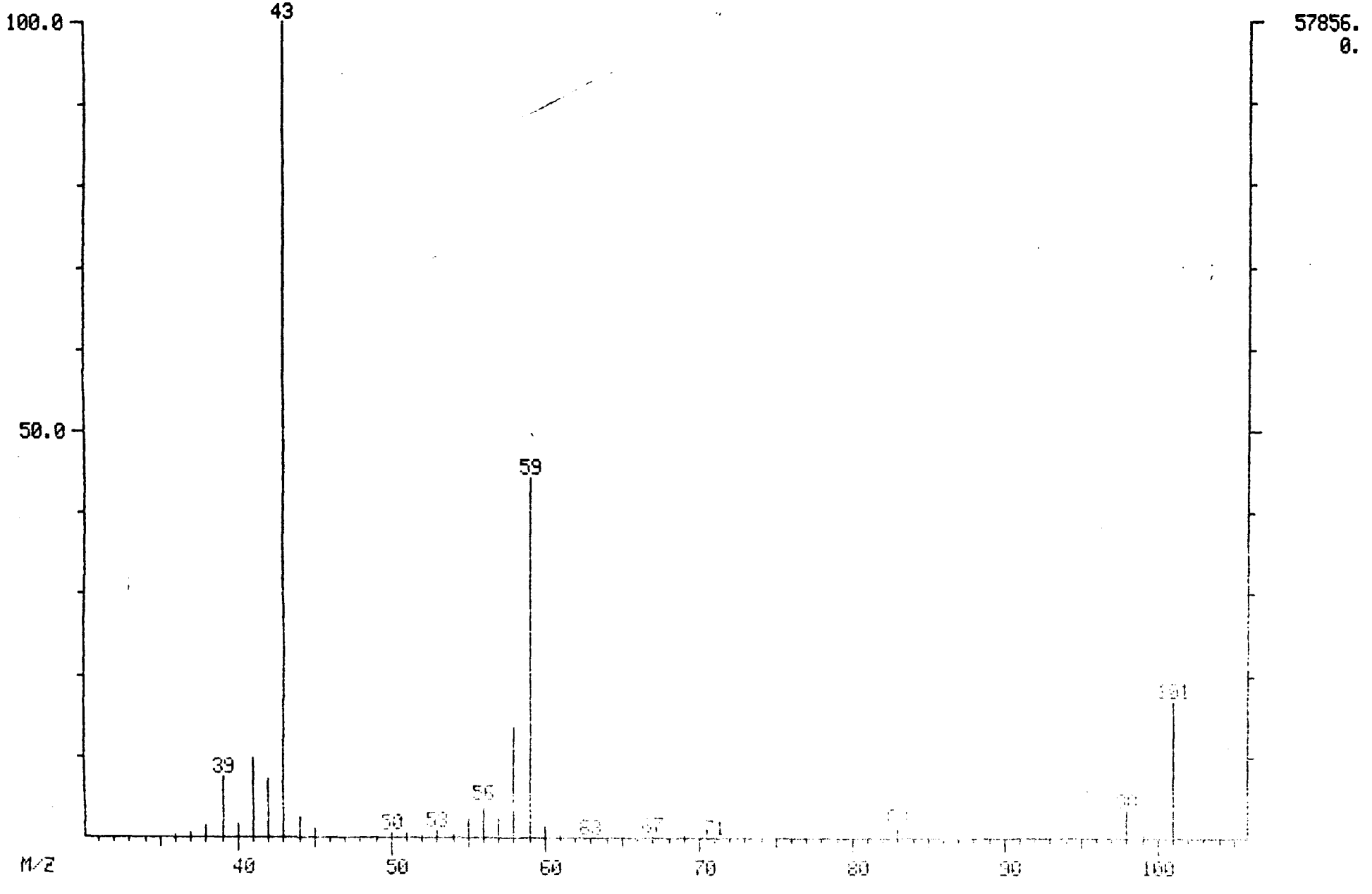


MASS SPECTRUM
04/22/91 15:39:00 + 8:08
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #820
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 131072.

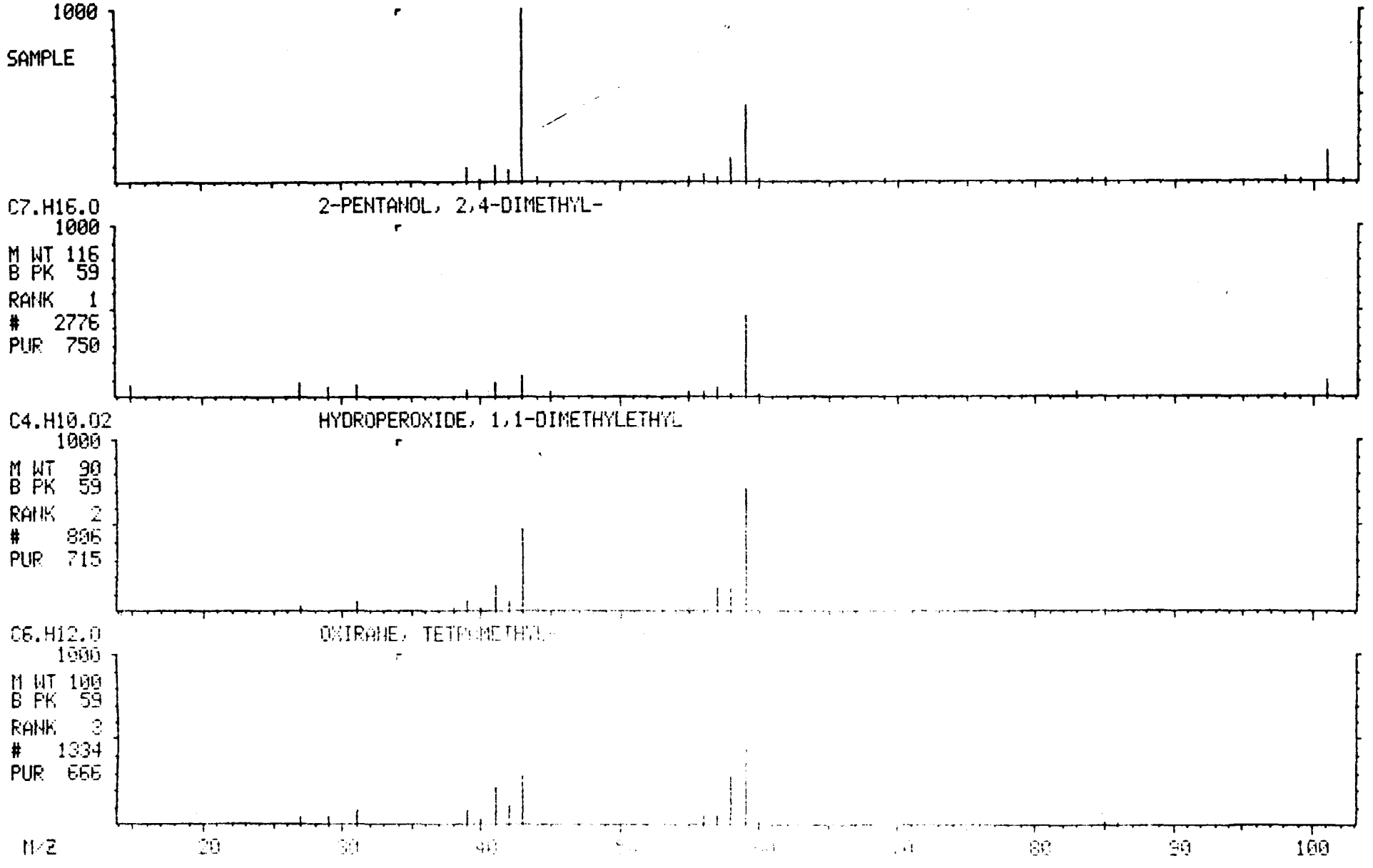
001731



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 8:08
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 # 820
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 127104.

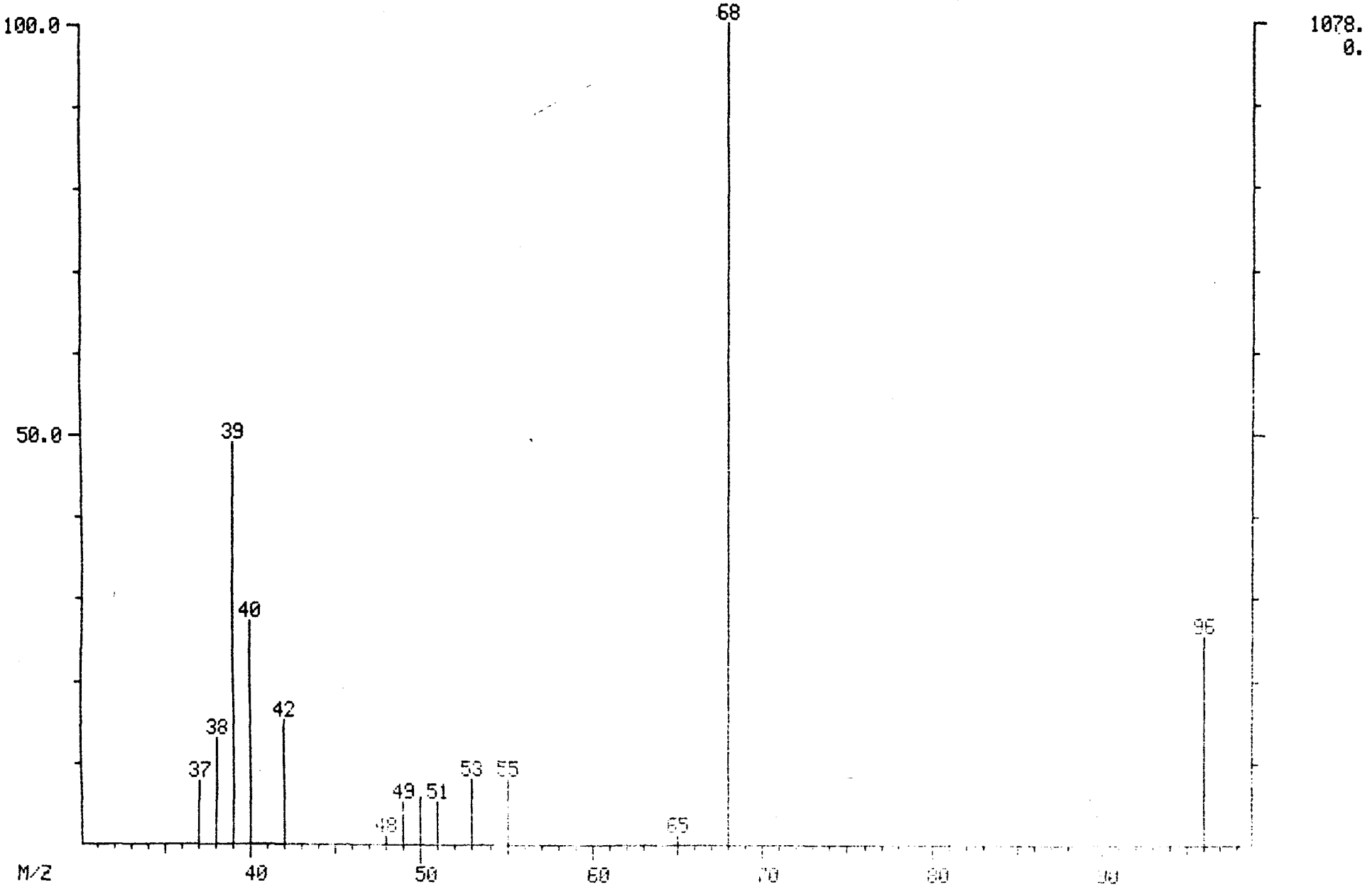


00473

MASS SPECTRUM
04/22/91 15:39:00 + 10:11
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1028
CALI: APR22GK07 #3

BASE M/Z: 68
RIC: 2944.

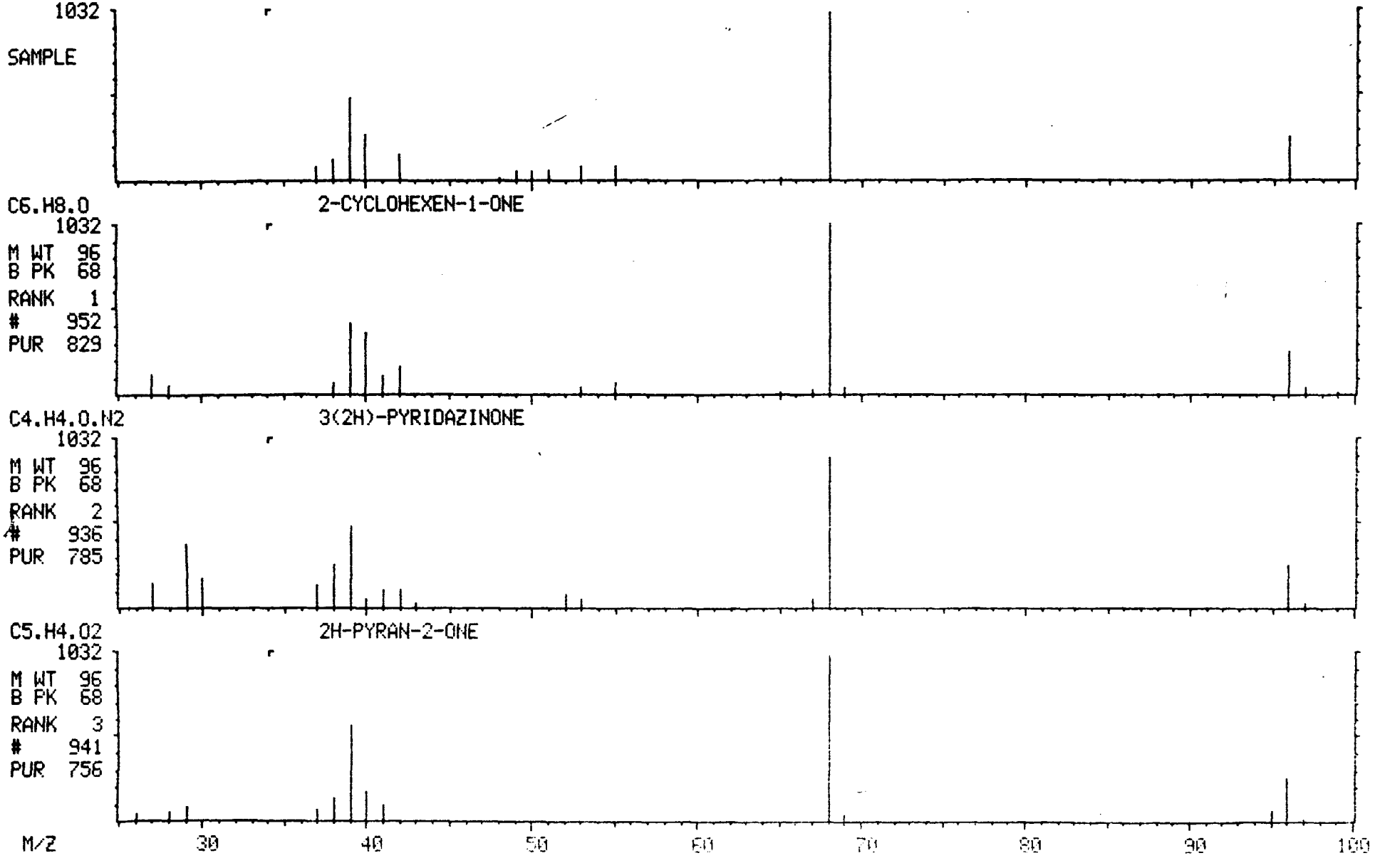


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 10:11
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1028
CALI: APR22GK07 # 3

BASE M/Z: 68
RIC: 2944.

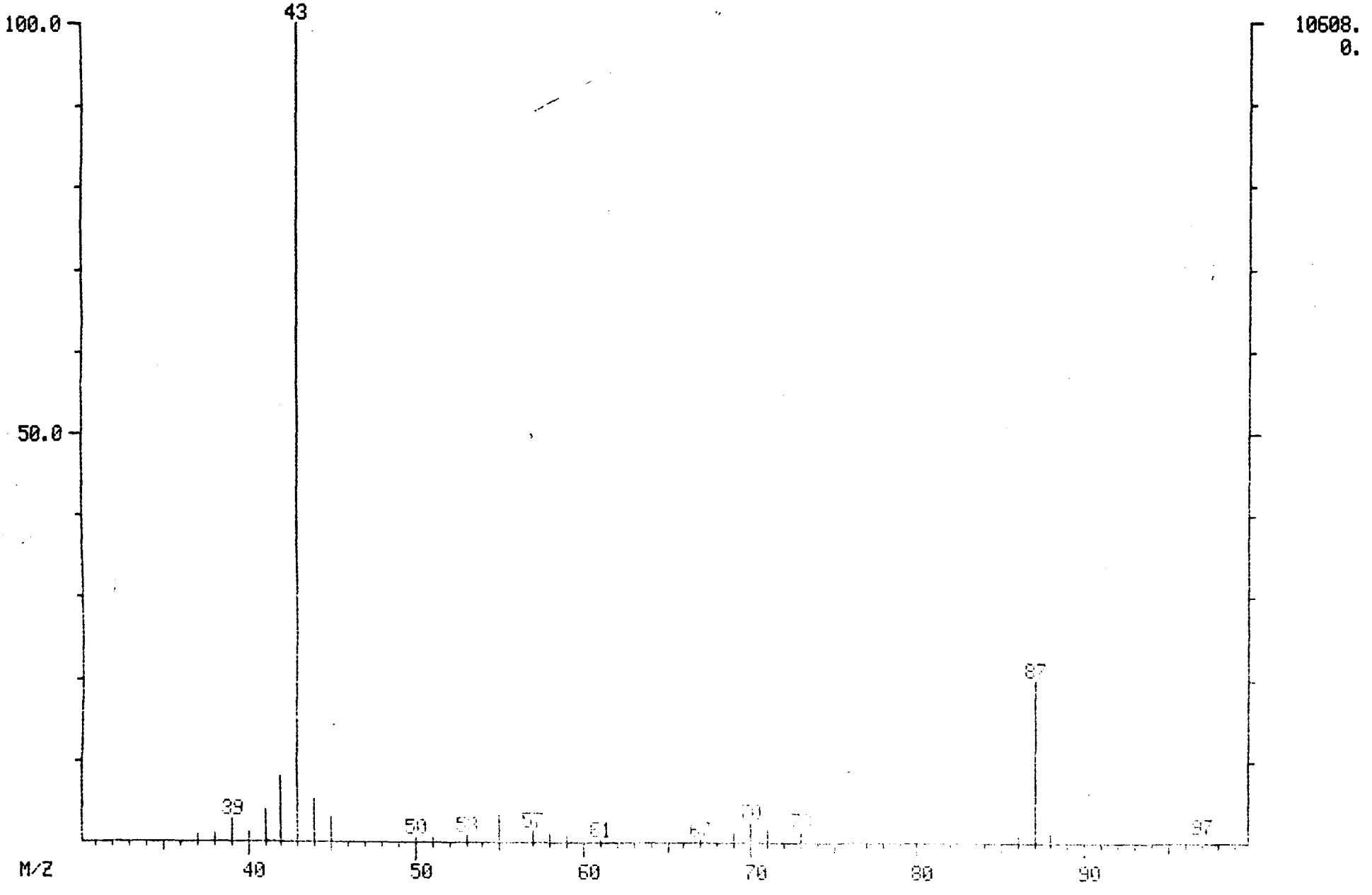
001734



MASS SPECTRUM
04/22/91 15:39:00 + 11:39
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1176
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 17472.

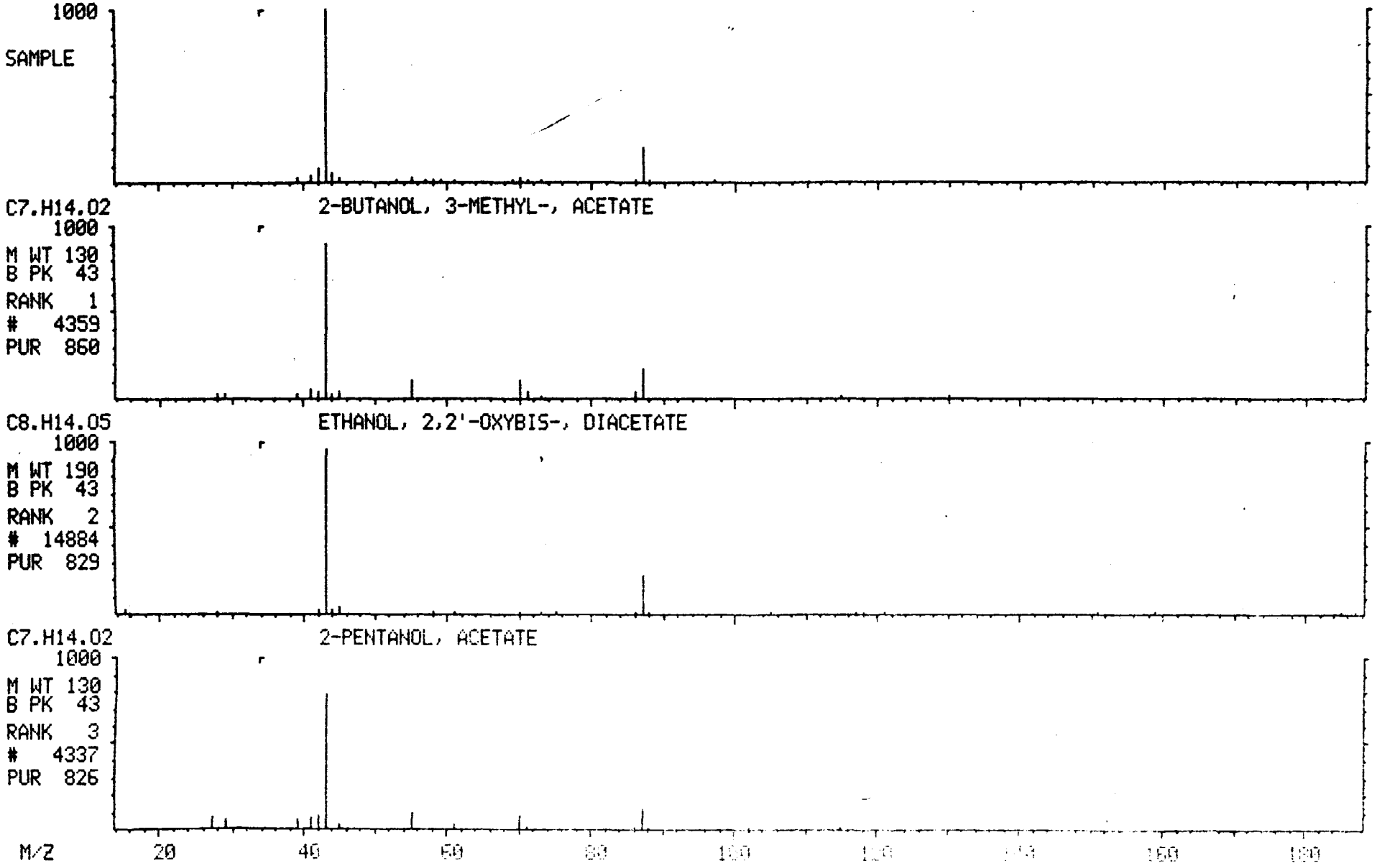


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 11:39
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #1176
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 16992.

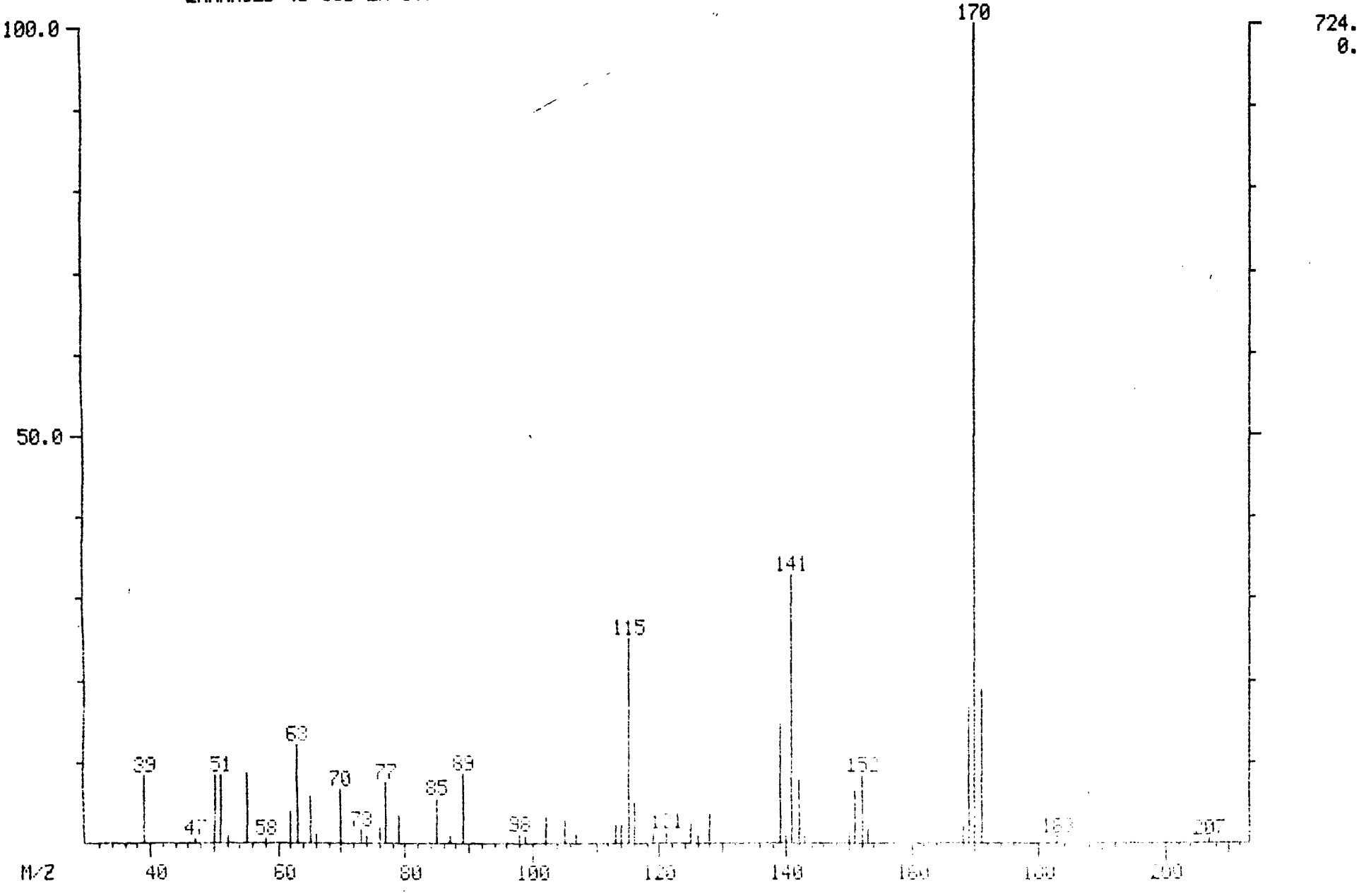
001736



MASS SPECTRUM
04/22/91 15:39:00 + 22:21
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 225 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2254
CALI: APR22GK07 #3

BASE M/Z: 170
RIC: 2656.

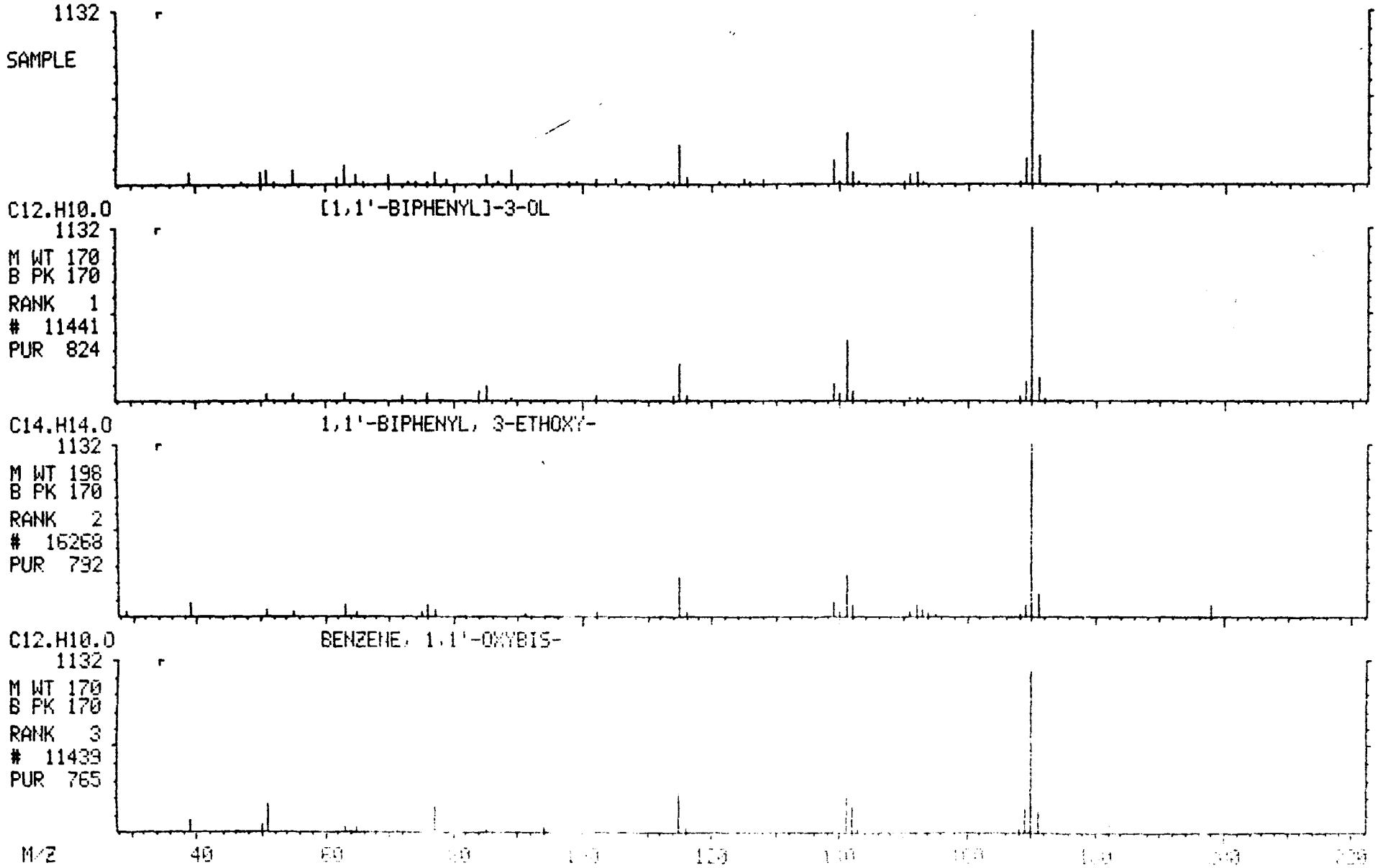


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 22:21
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2254
CALI: APR22GK07 # 3

BASE M/Z: 170
RIC: 2640.

001738

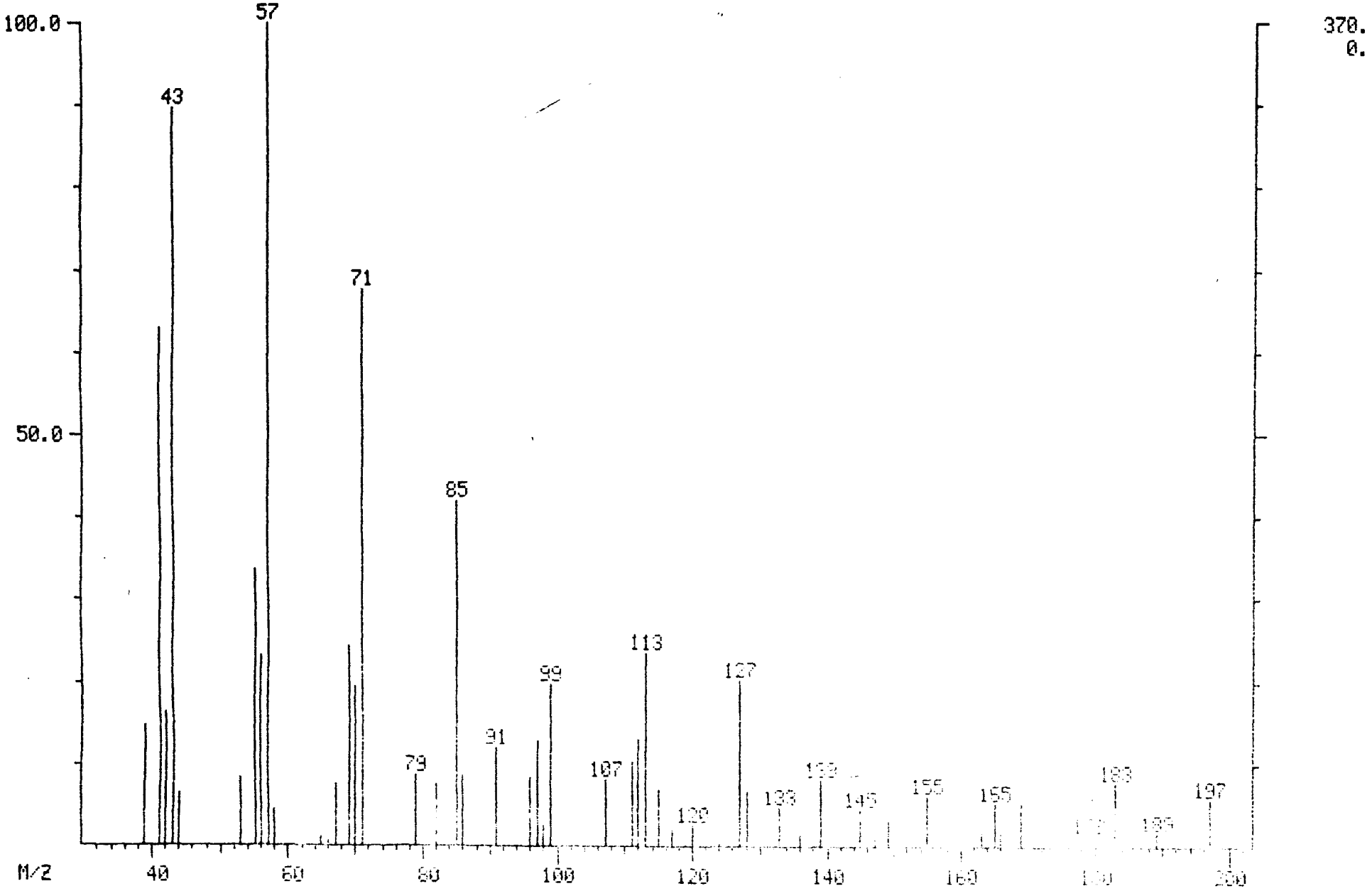


MASS SPECTRUM
04/22/91 15:39:00 + 23:10
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 233 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2338
CALI: APR22GK07 #3

BASE M/Z: 57
RIC: 2808.

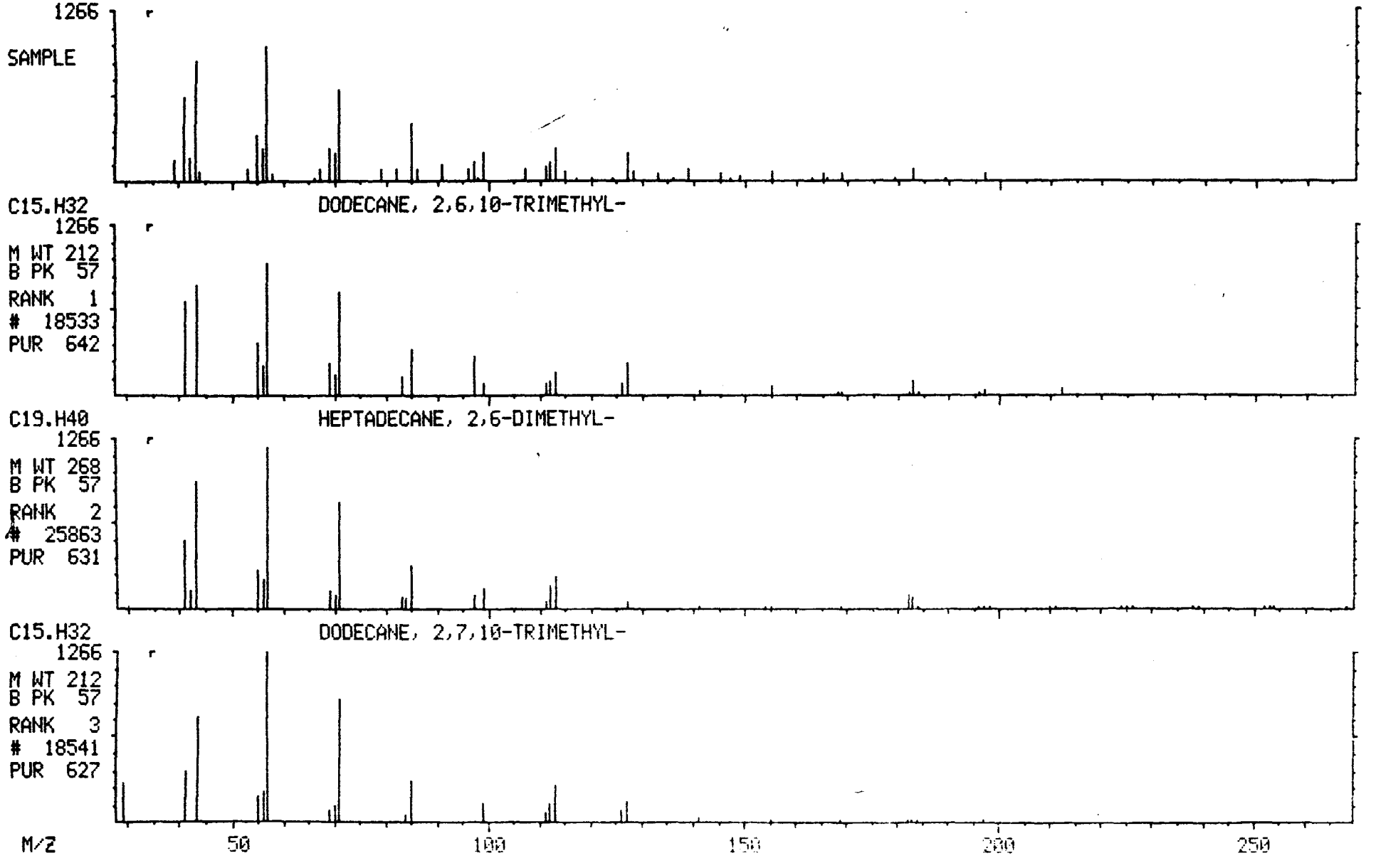
001739



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 23:10
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2338
CALI: APR22GK07 # 3

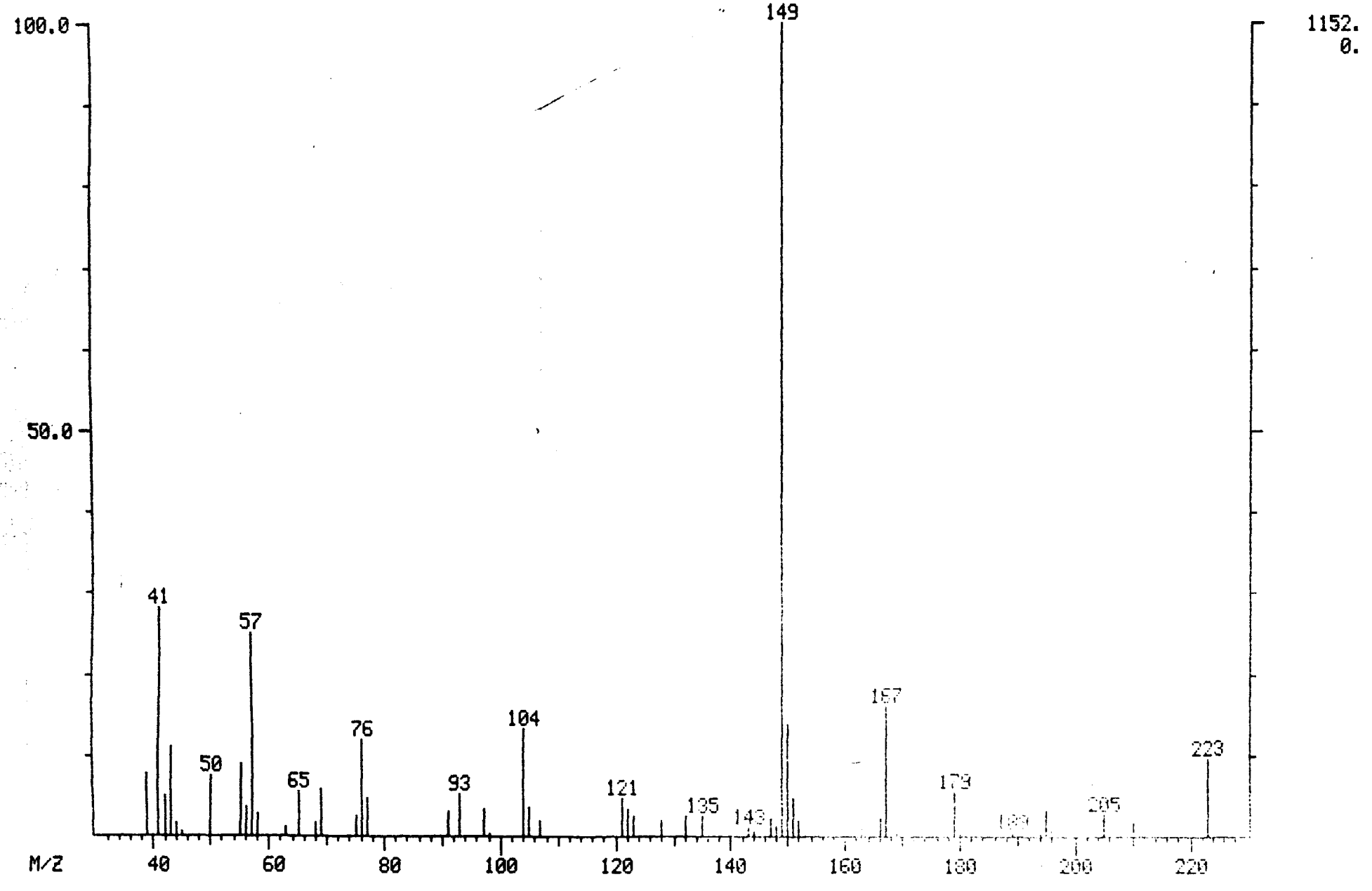
BASE M/Z: 57
RIC: 2804.



MASS SPECTRUM
04/22/91 15:39:00 + 23:59
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 242 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2420
CALI: APR22GK07 #3

BASE M/Z: 149
RIC: 4096.



9 2 2 2 6 U U U 5 U 6

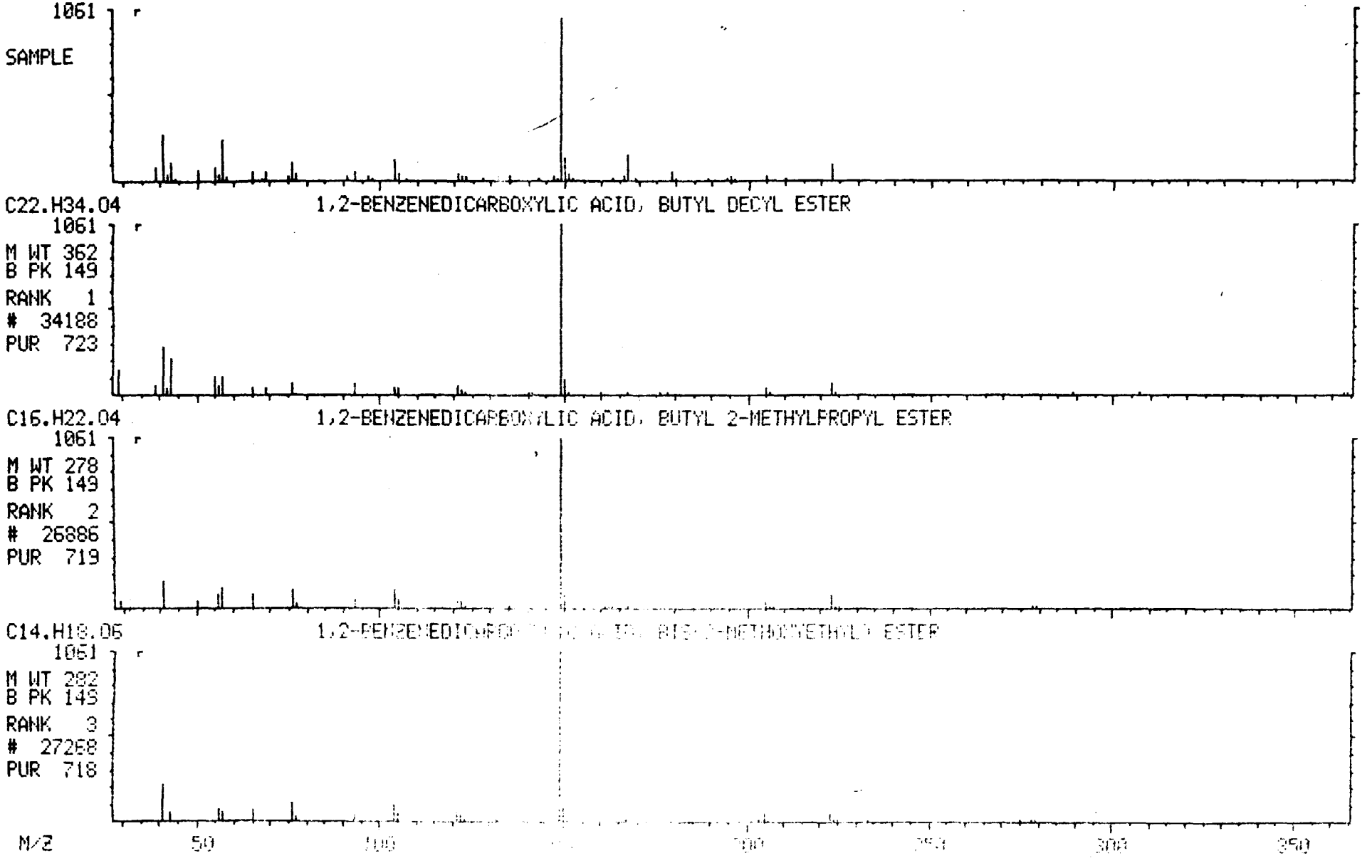
T2100

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 23:59
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2420
CALI: APR22GK07 # 3

BASE M/Z: 149
RIC: 4076.

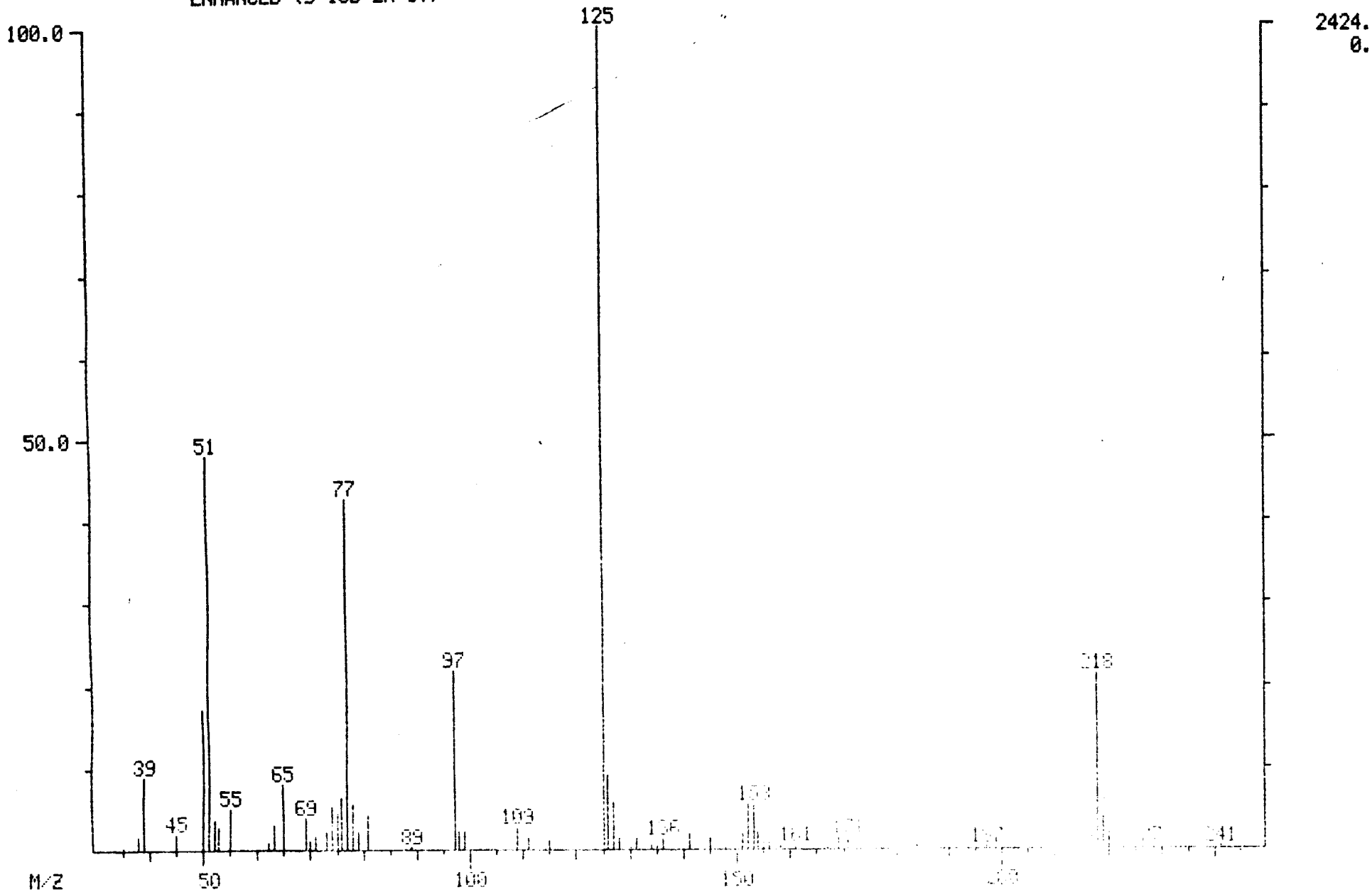
001722



MASS SPECTRUM
04/22/91 15:39:00 + 24:58
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 251 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2518
CALI: APR22GK07 #3

BASE M/Z: 125
RIC: 9440.



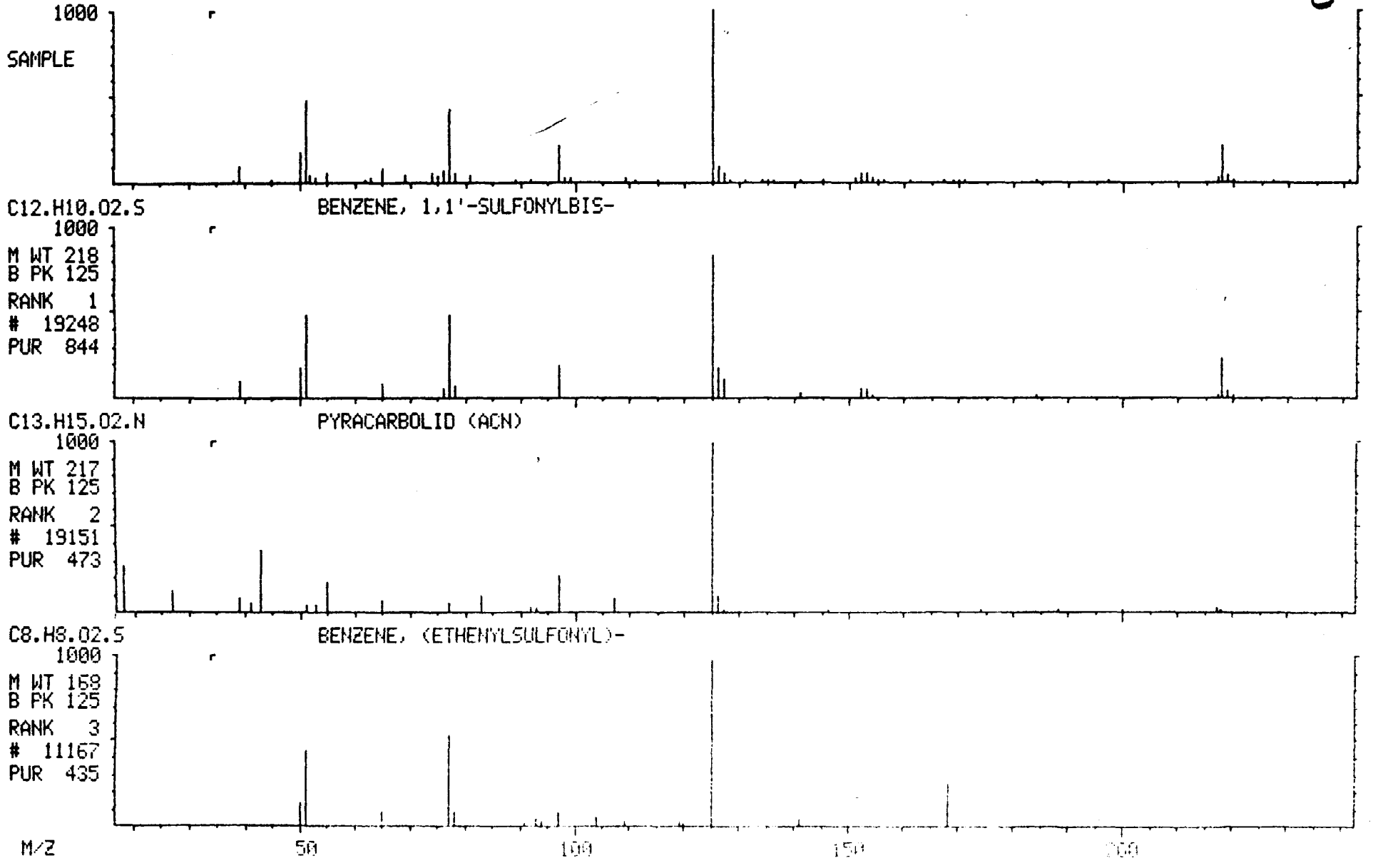
001743

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 24:58
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2518
CALI: APR22GK07 # 3

BASE M/Z: 125
RIC: 9232.

001744

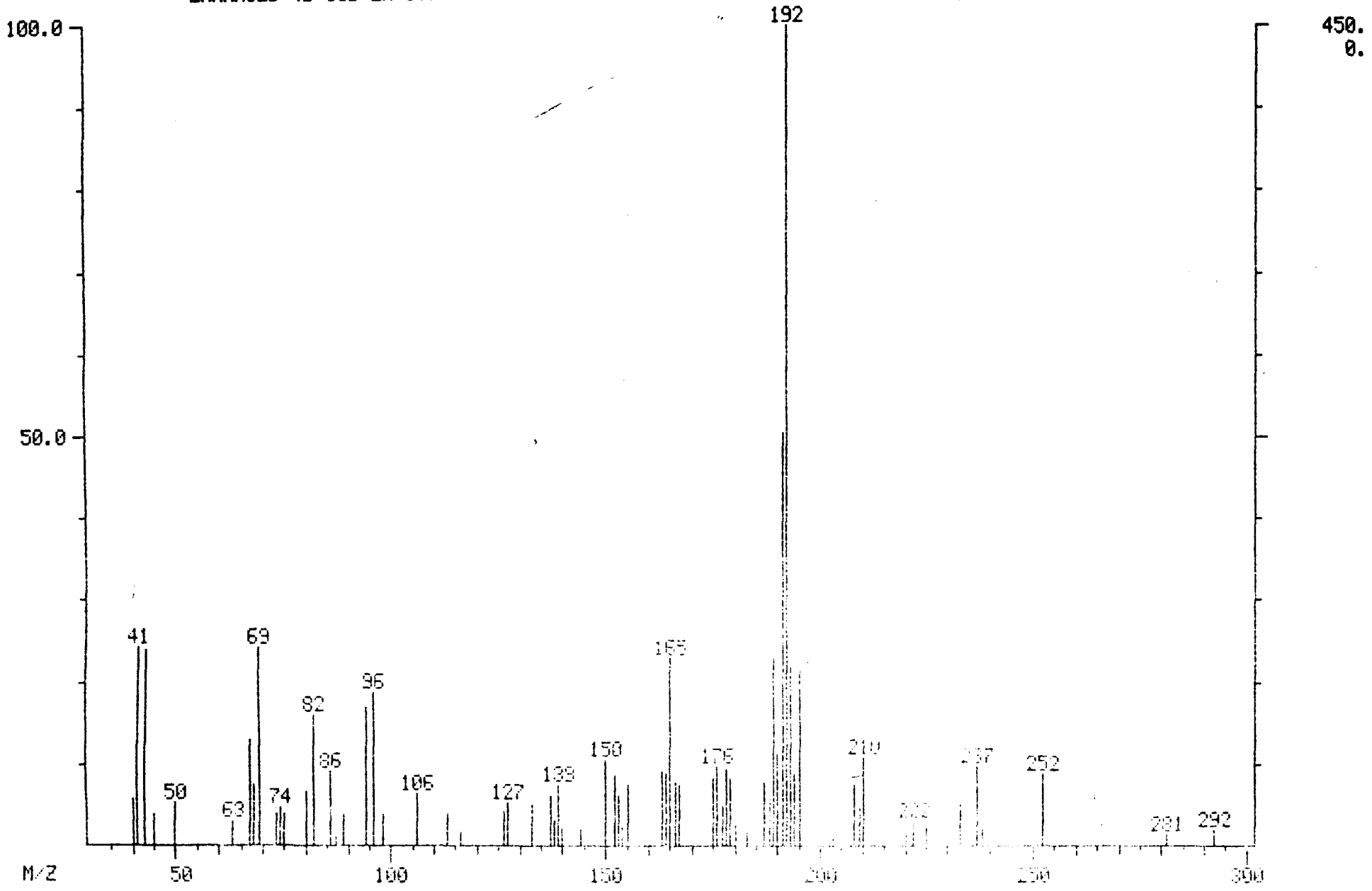


MASS SPECTRUM
04/22/91 15:39:00 + 25:07
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 253 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2534
CALI: APR22GK07 #3

BASE M/Z: 192
RIC: 3144.

001745

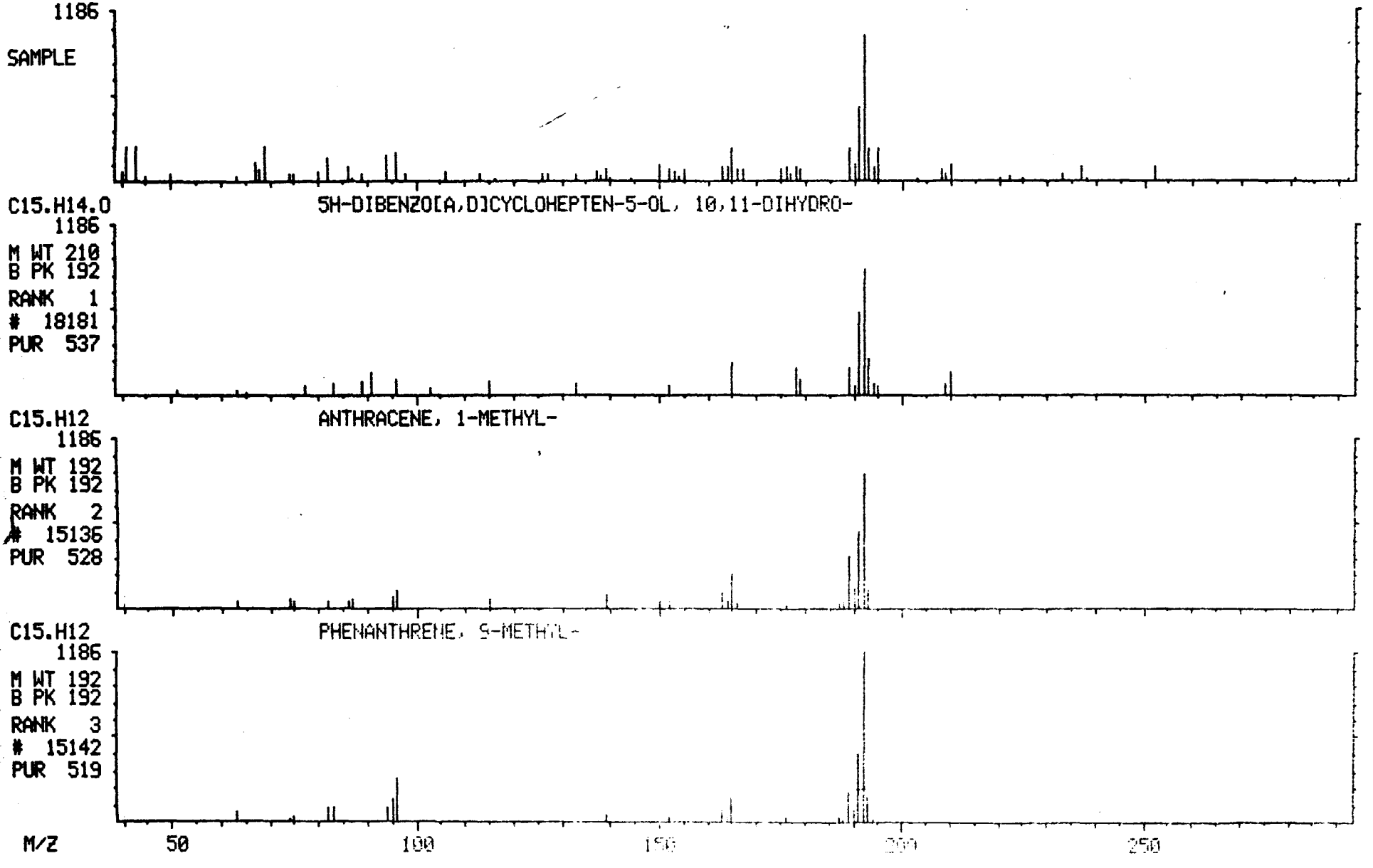


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 25:07
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2534
CALI: APR22GK07 # 3

BASE M/Z: 192
RIC: 3044.

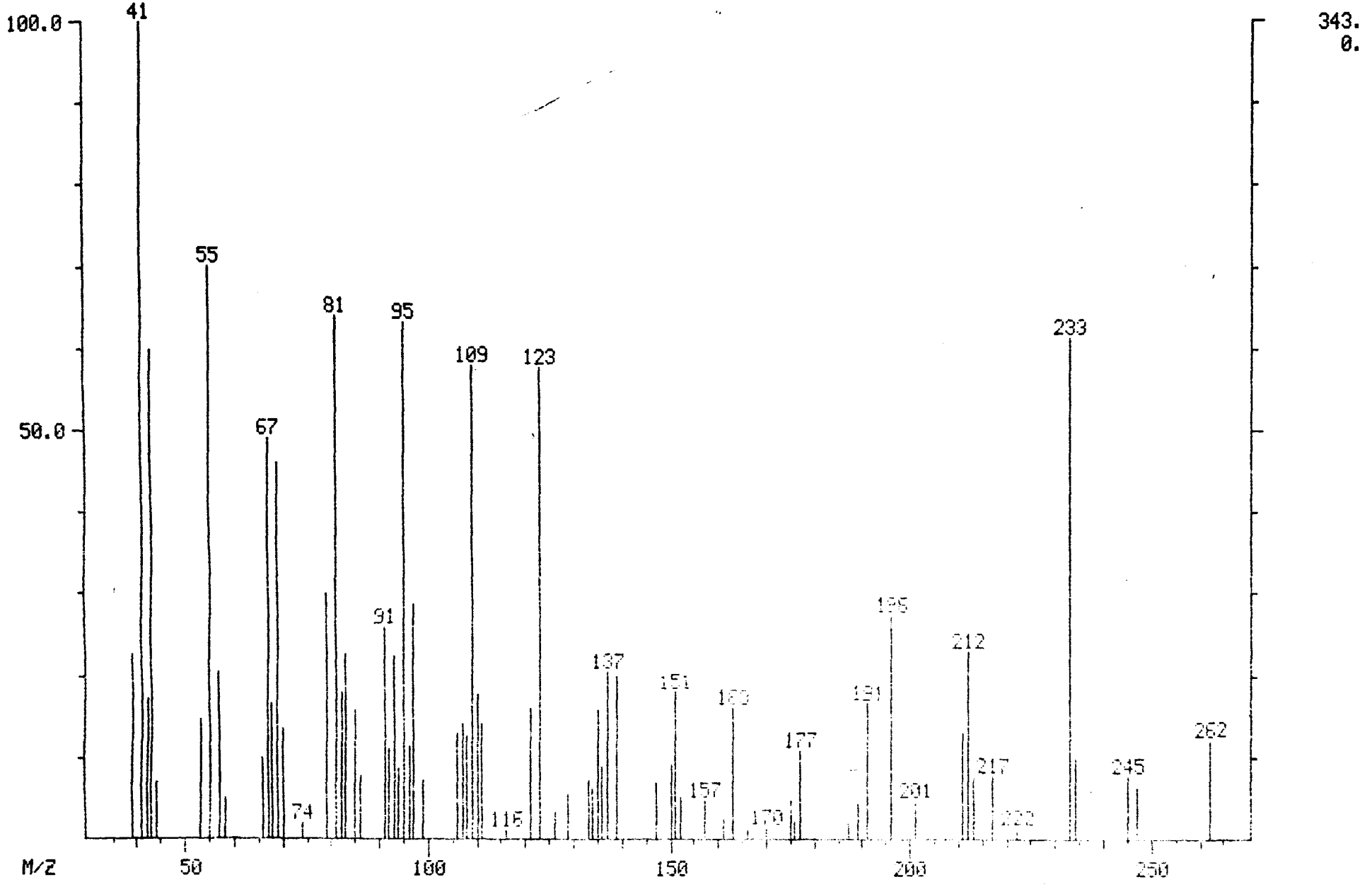
001746



MASS SPECTRUM
04/22/91 15:39:00 + 25:24
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 256 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2563
CALI: APR22GK07 #3

BASE M/Z: 41
RIC: 4728.

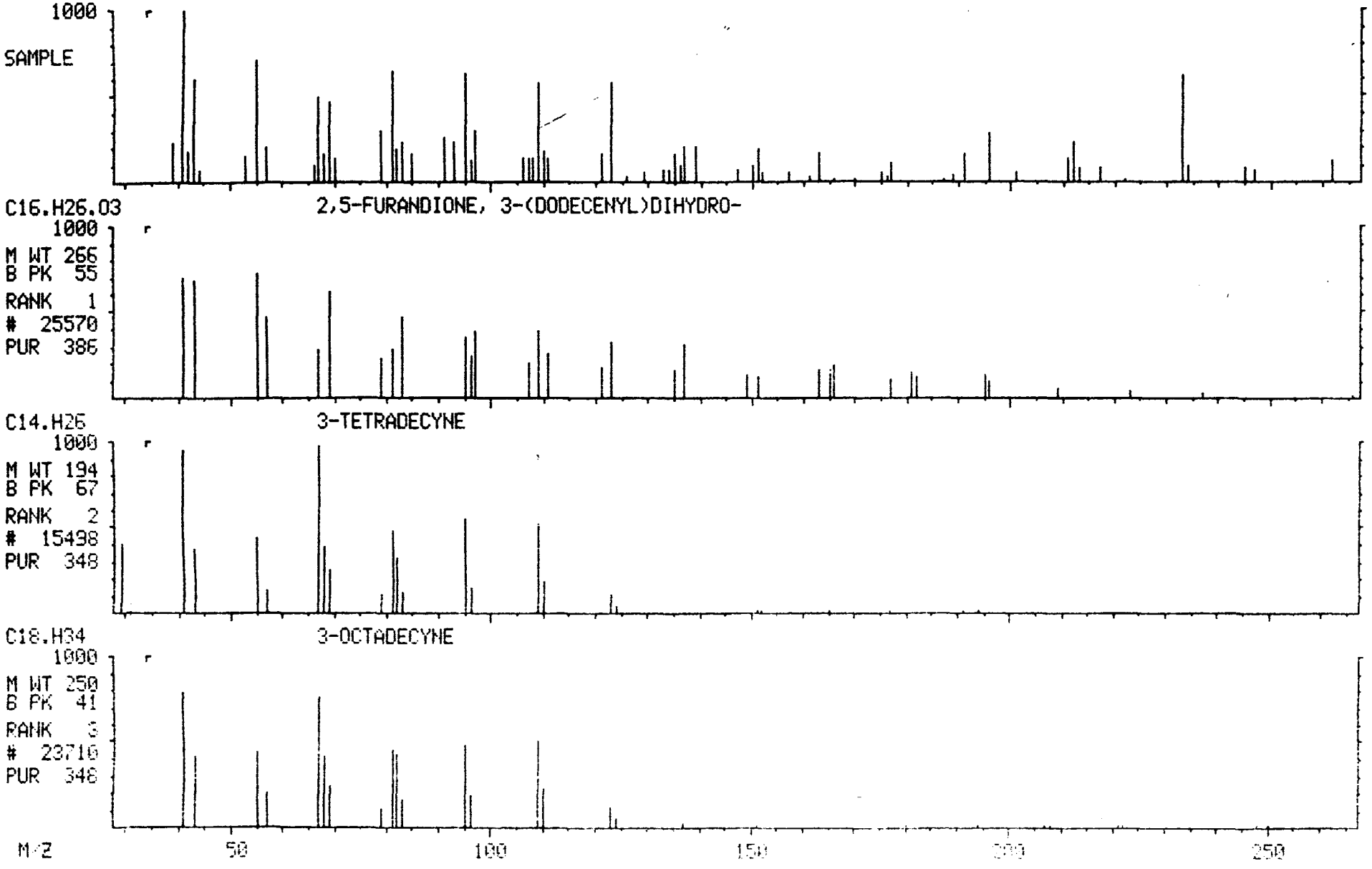


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 25:24
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2563
CALI: APR22GK07 # 3

BASE M/Z: 41
RIC: 4576.

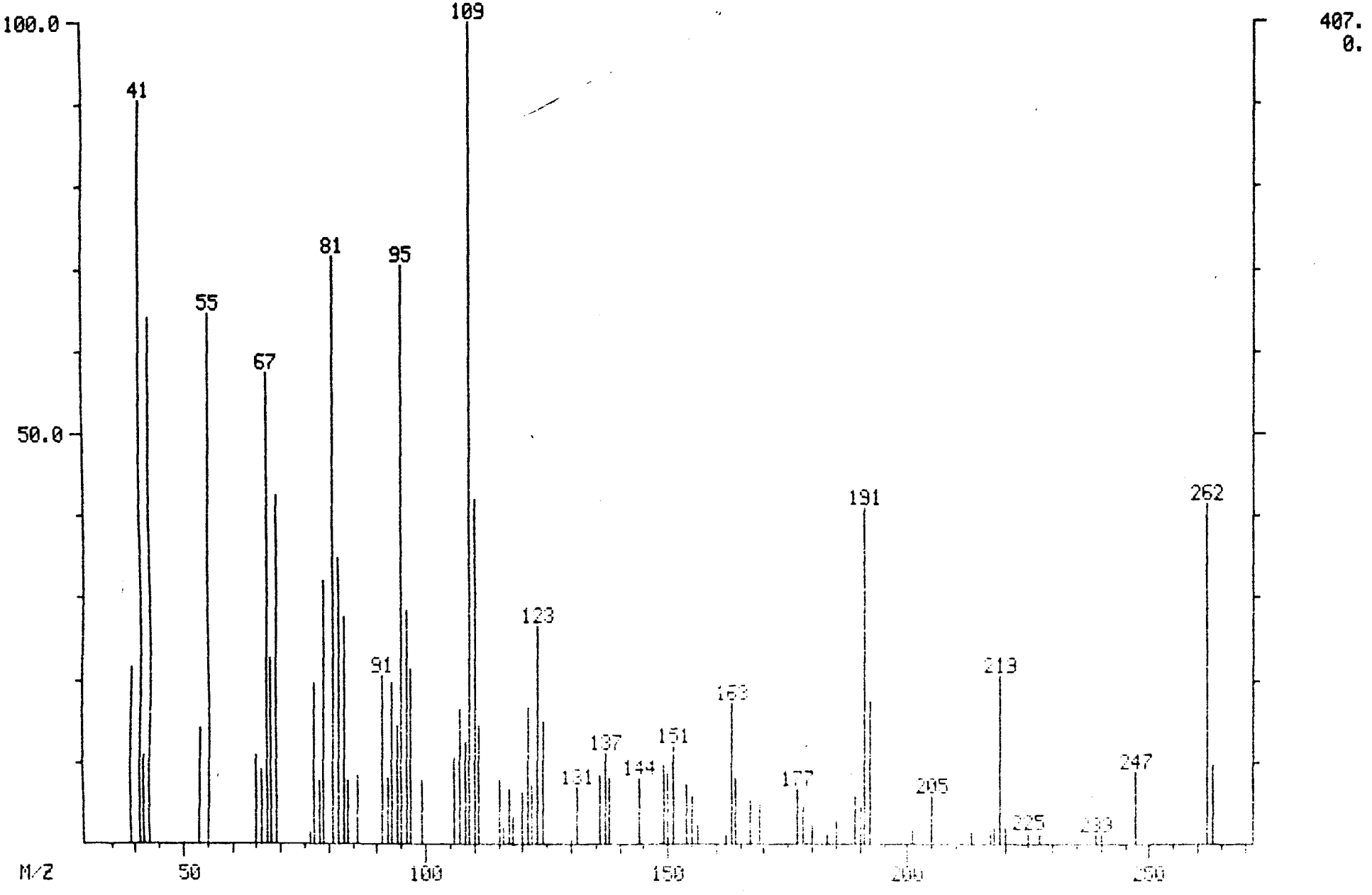
001748



MASS SPECTRUM
04/22/91 15:39:00 + 25:42
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2592
CALI: APR22GK07 #3

BASE M/Z: 109
RIC: 5784.

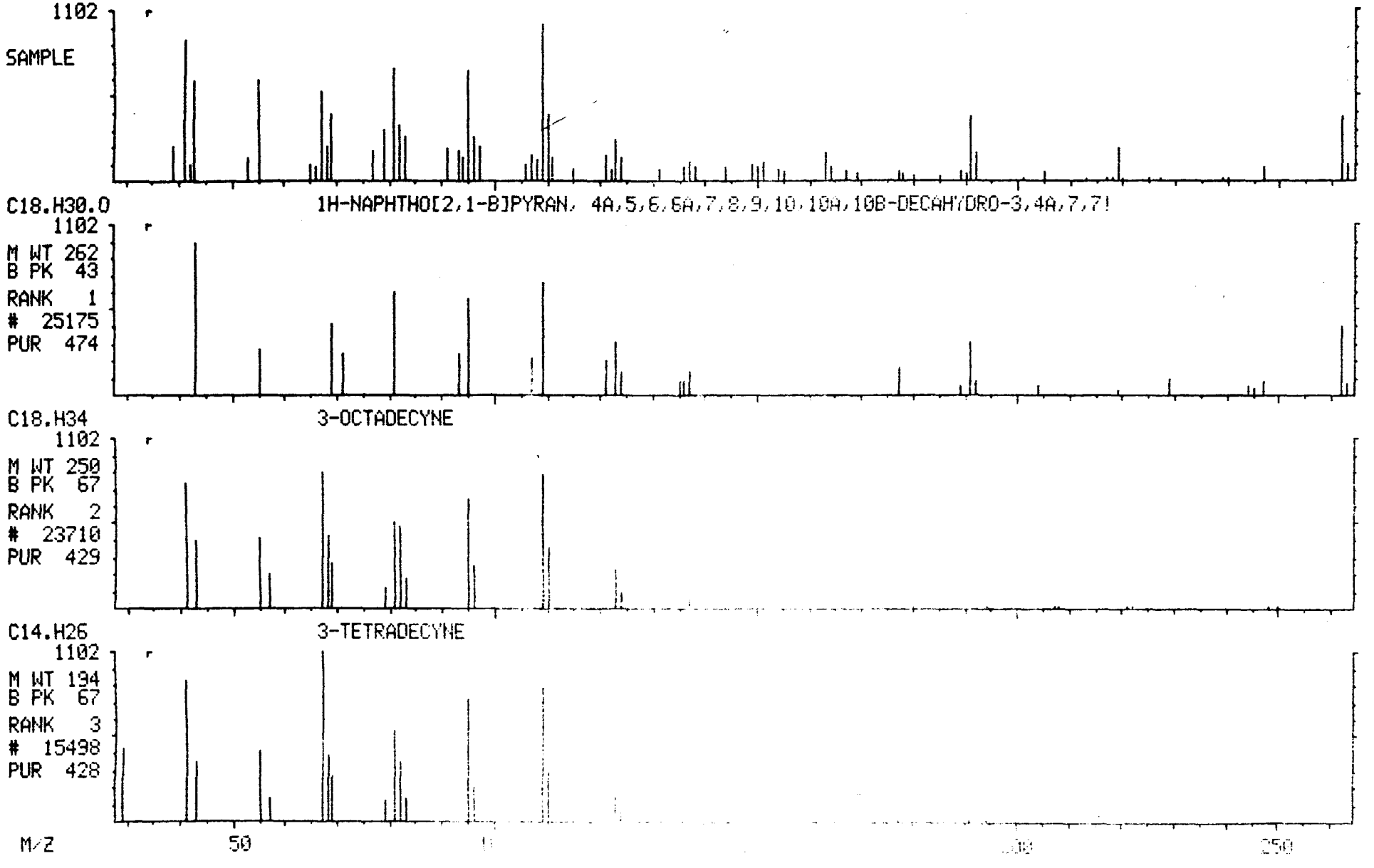


00420

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 25:42
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2592
CALI: APR22GK07 # 3

BASE M/Z: 109
RIC: 5504.

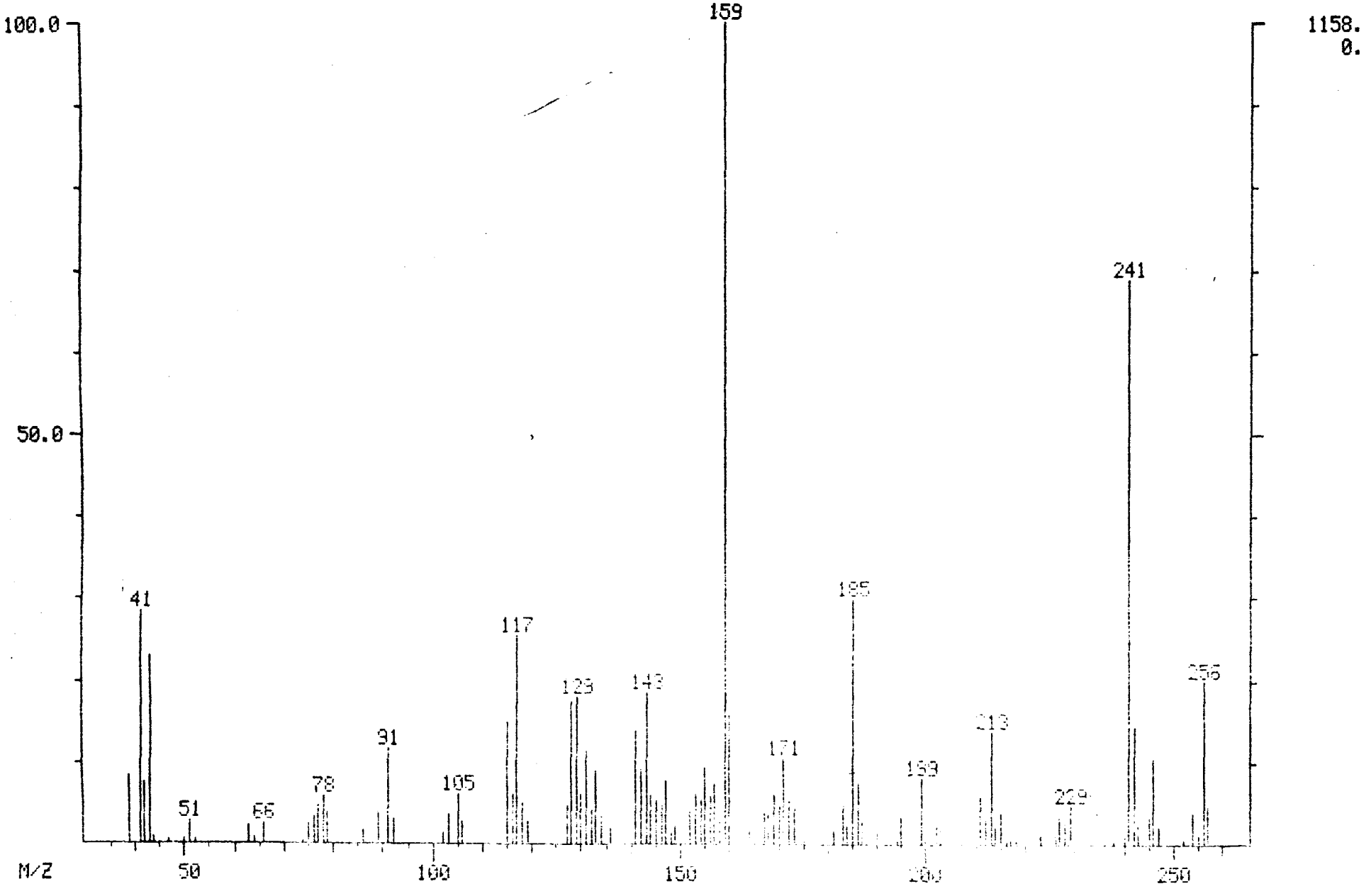


001750

MASS SPECTRUM
04/22/91 15:39:00 + 25:59
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2621
CALI: APR22GK07 #3

BASE M/Z: 159
RIC: 9024.

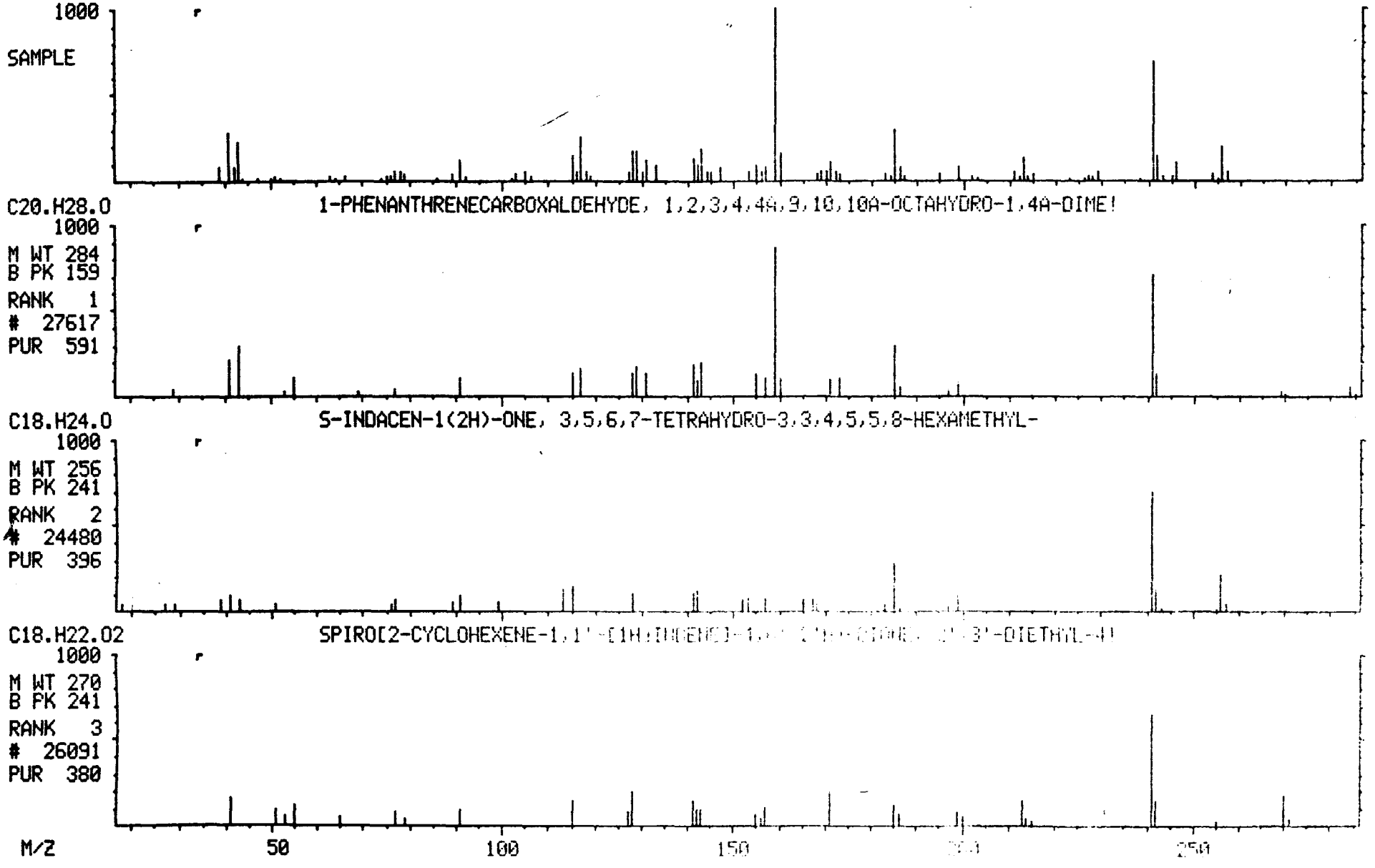


001751

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 25:59
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2621
CALI: APR22GK07 # 3

BASE M/Z: 159
RIC: 8464.



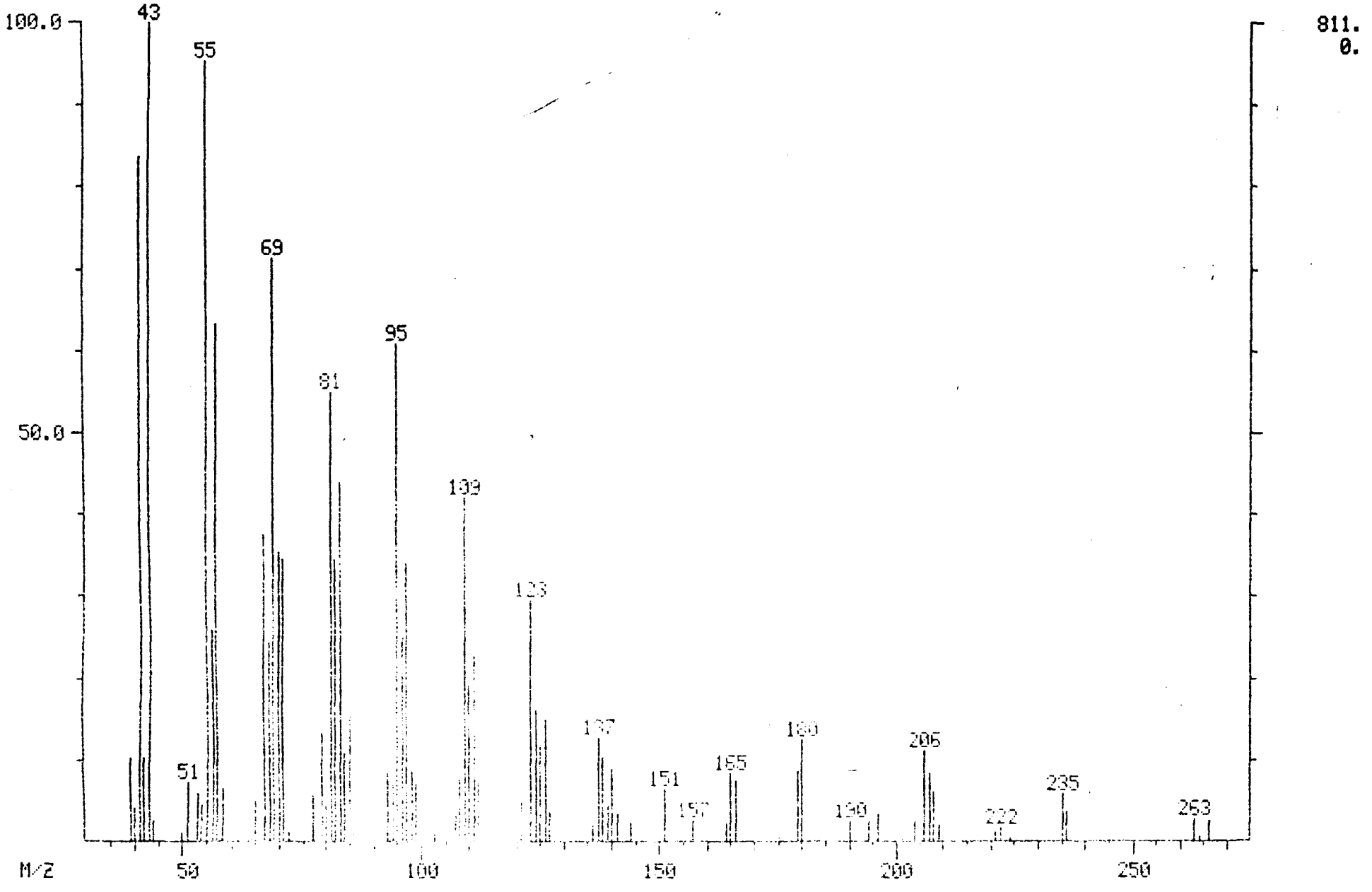
25:59

MASS SPECTRUM
04/22/91 15:39:00 + 26:02
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2627
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 10576.

001753

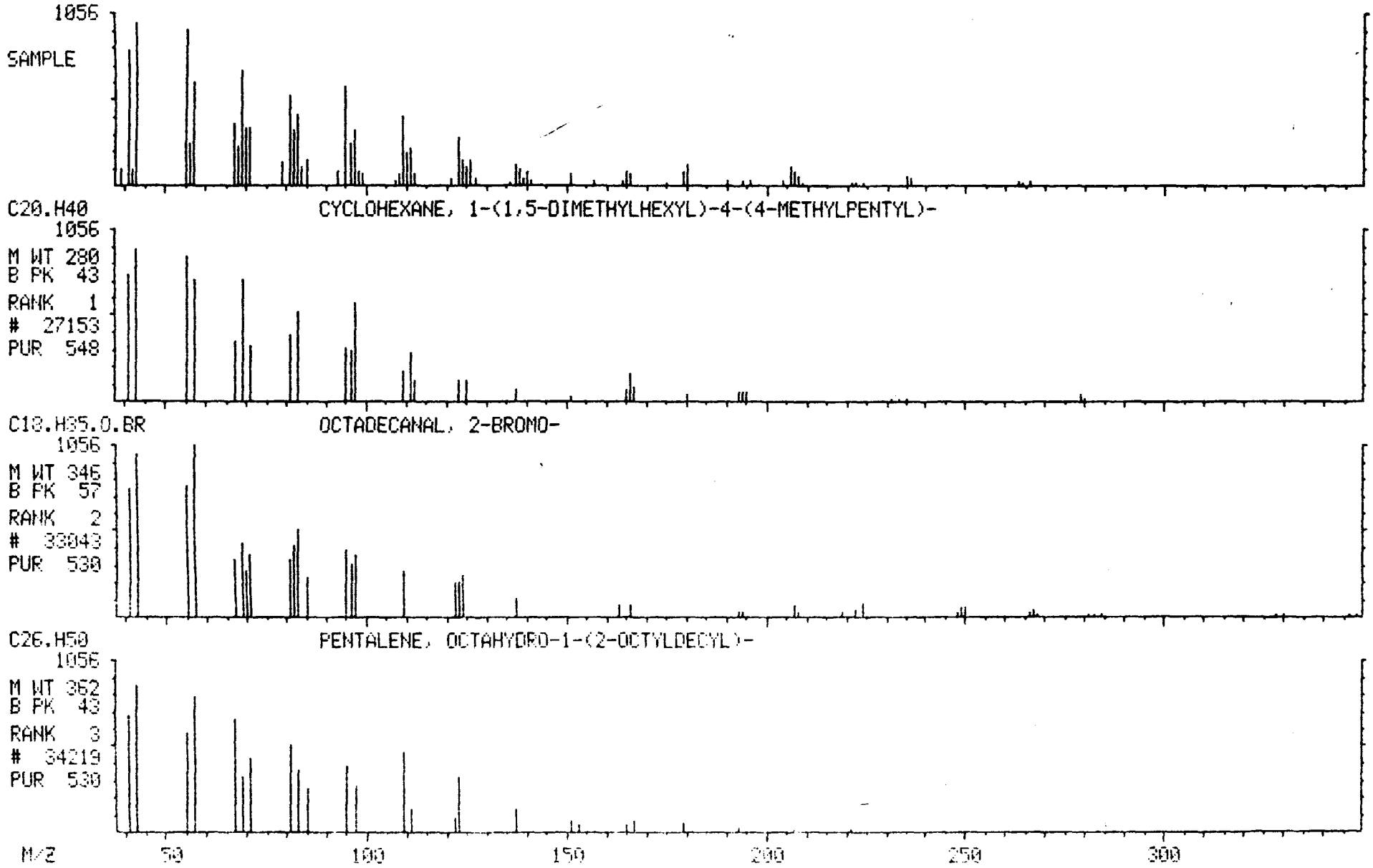


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 26:02
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2627
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 10048.

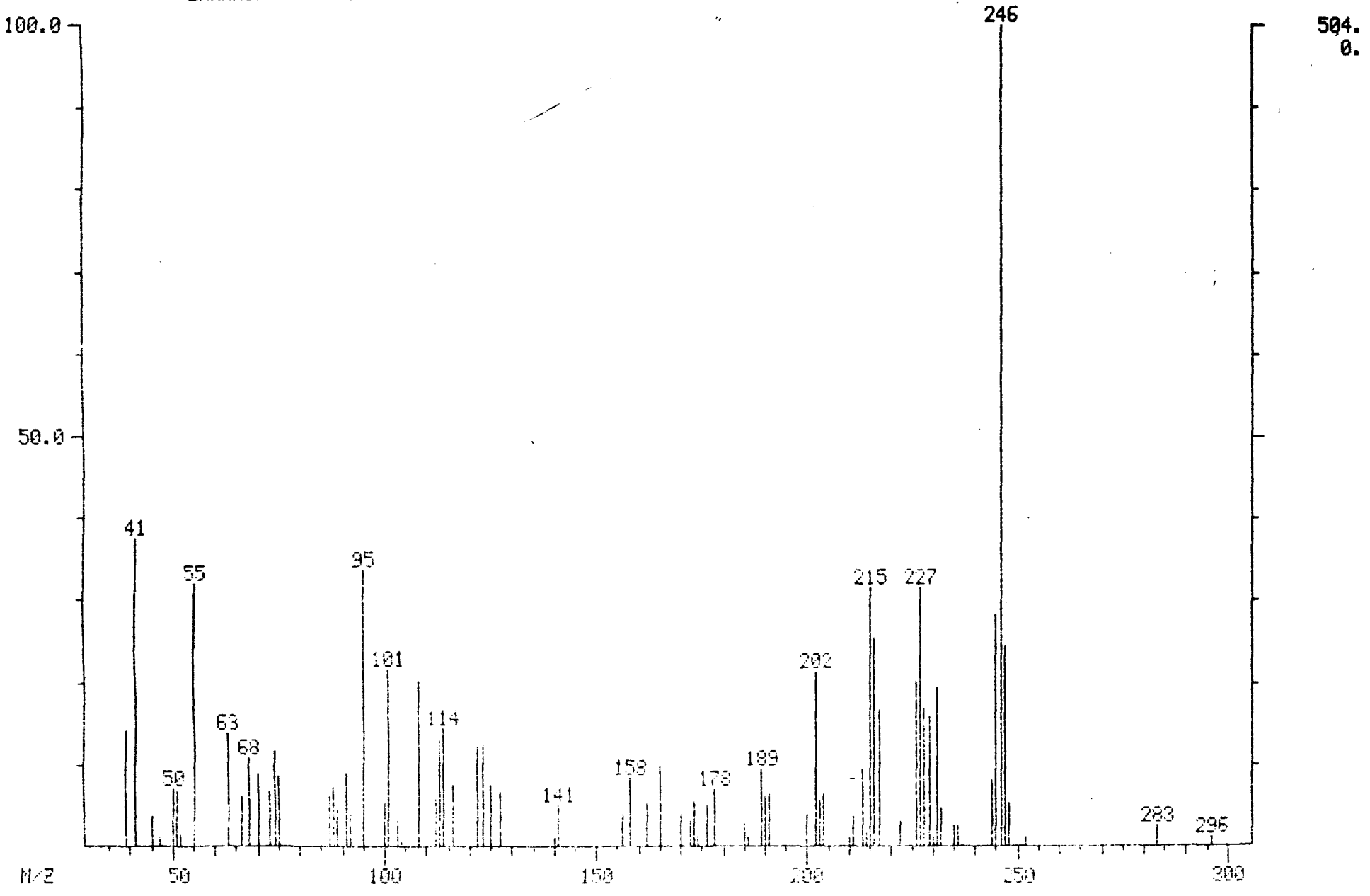
001754



MASS SPECTRUM
04/22/91 15:39:00 + 27:52
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2811
CALI: APR22GK07 #3

BASE M/Z: 246
RIC: 4376.



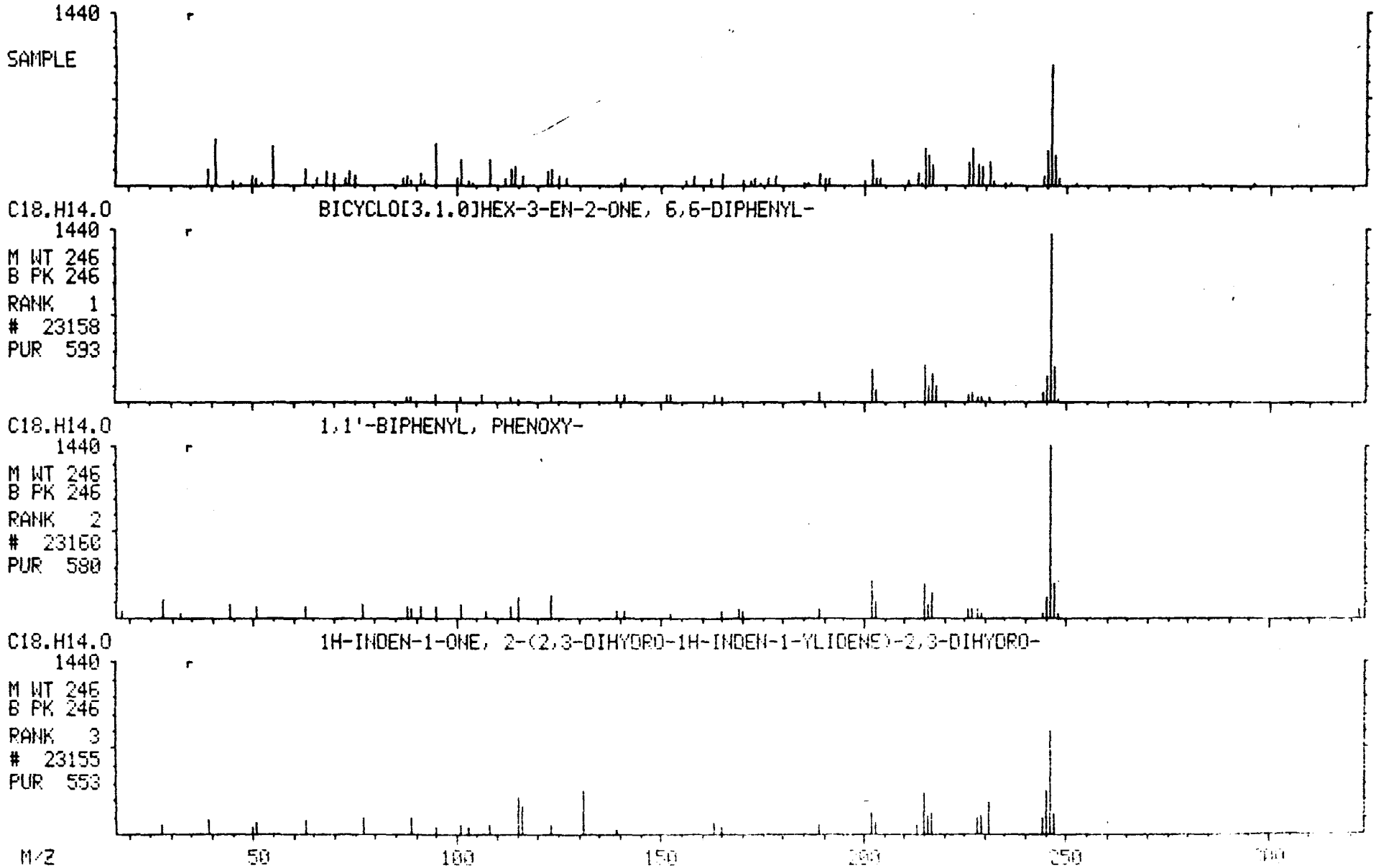
001755

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 27:52
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2811
CALI: APR22GK07 # 3

BASE M/Z: 246
RIC: 4352.

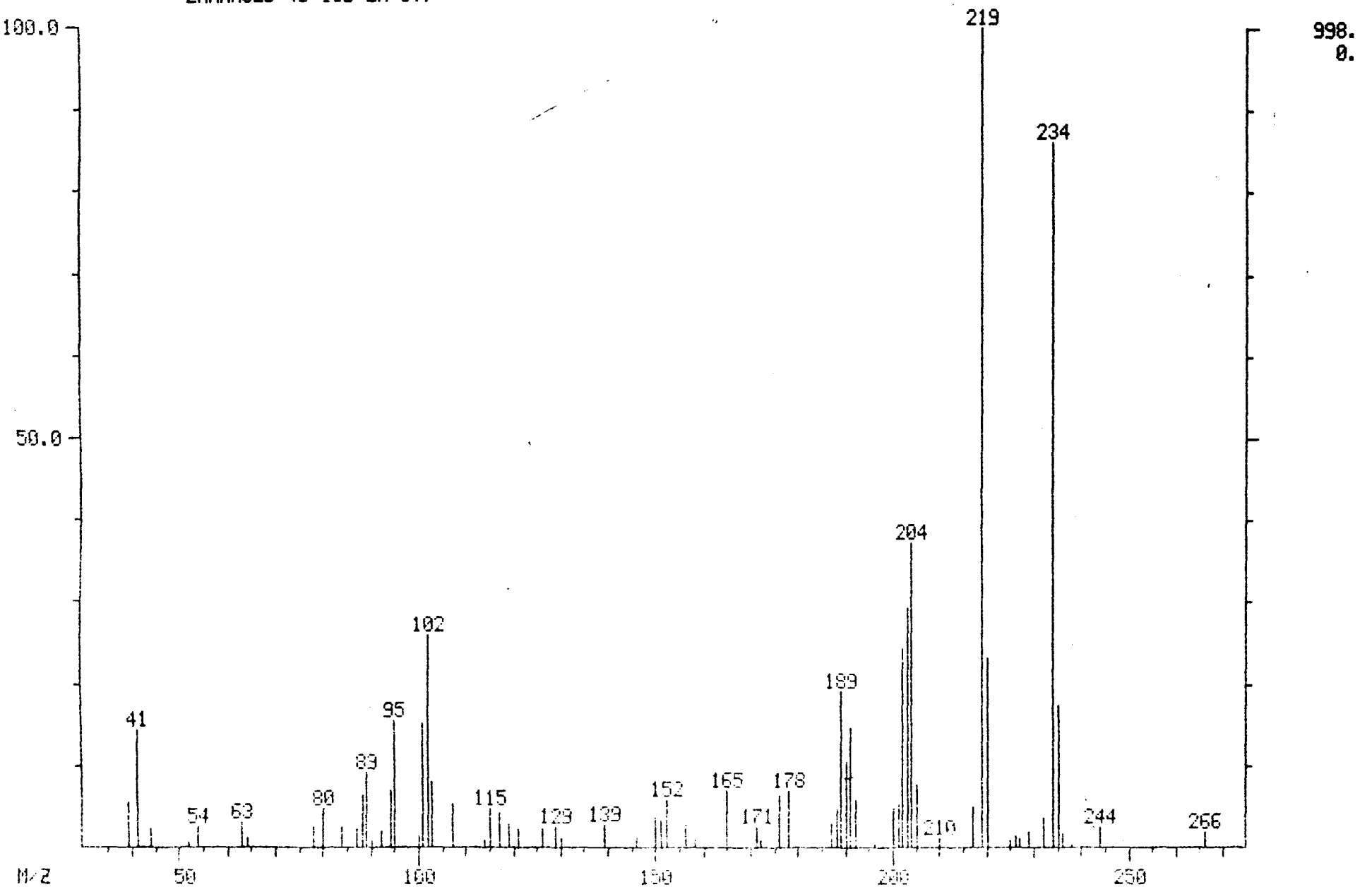
004756



MASS SPECTRUM
04/22/91 15:39:00 + 28:04
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2831
CALI: APR22GK07 #3

BASE M/Z: 219
RIC: 6184.



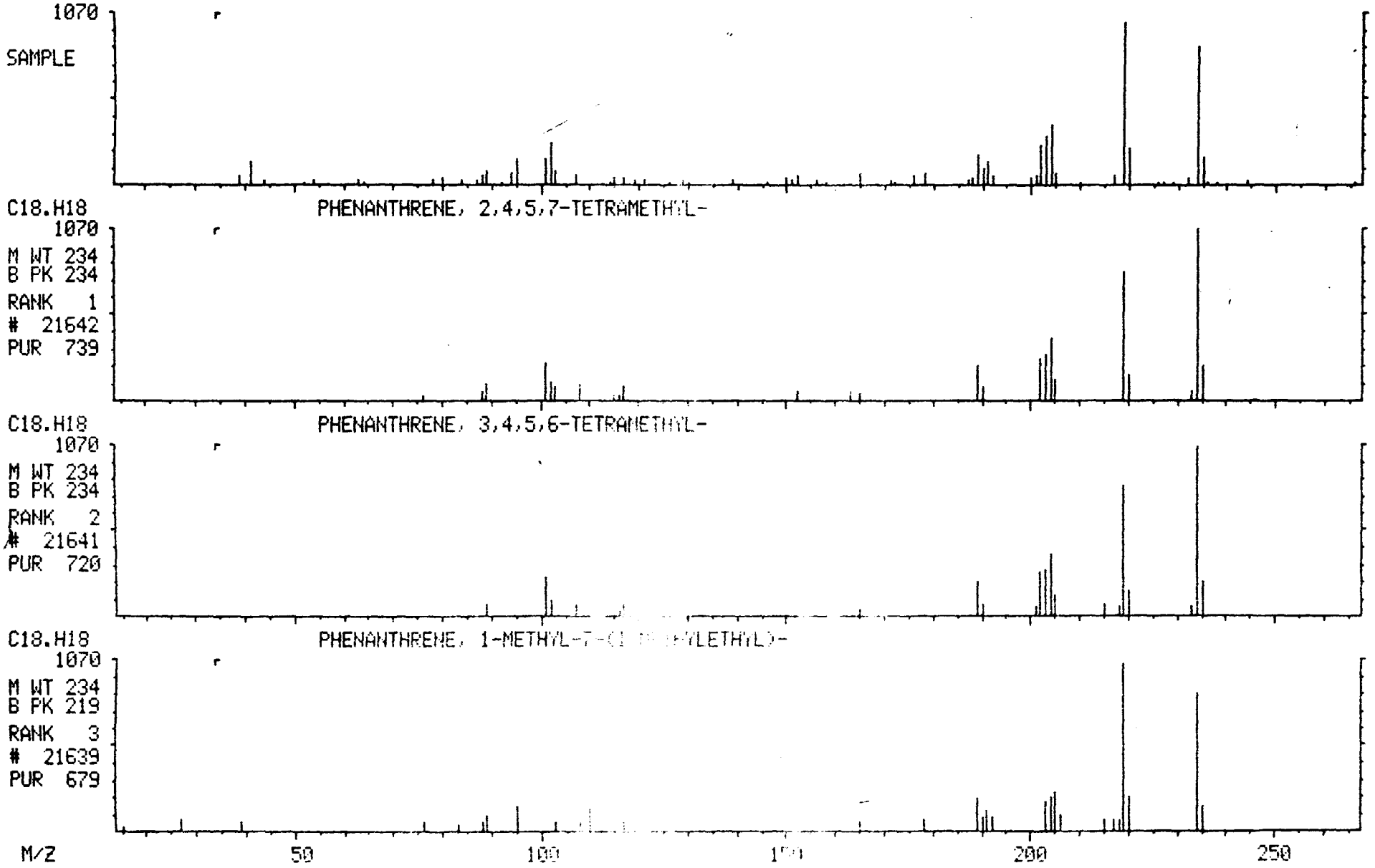
001757

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 28:04
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2831
CALI: APR22GK07 # 3

BASE M/Z: 219
RIC: 6152.

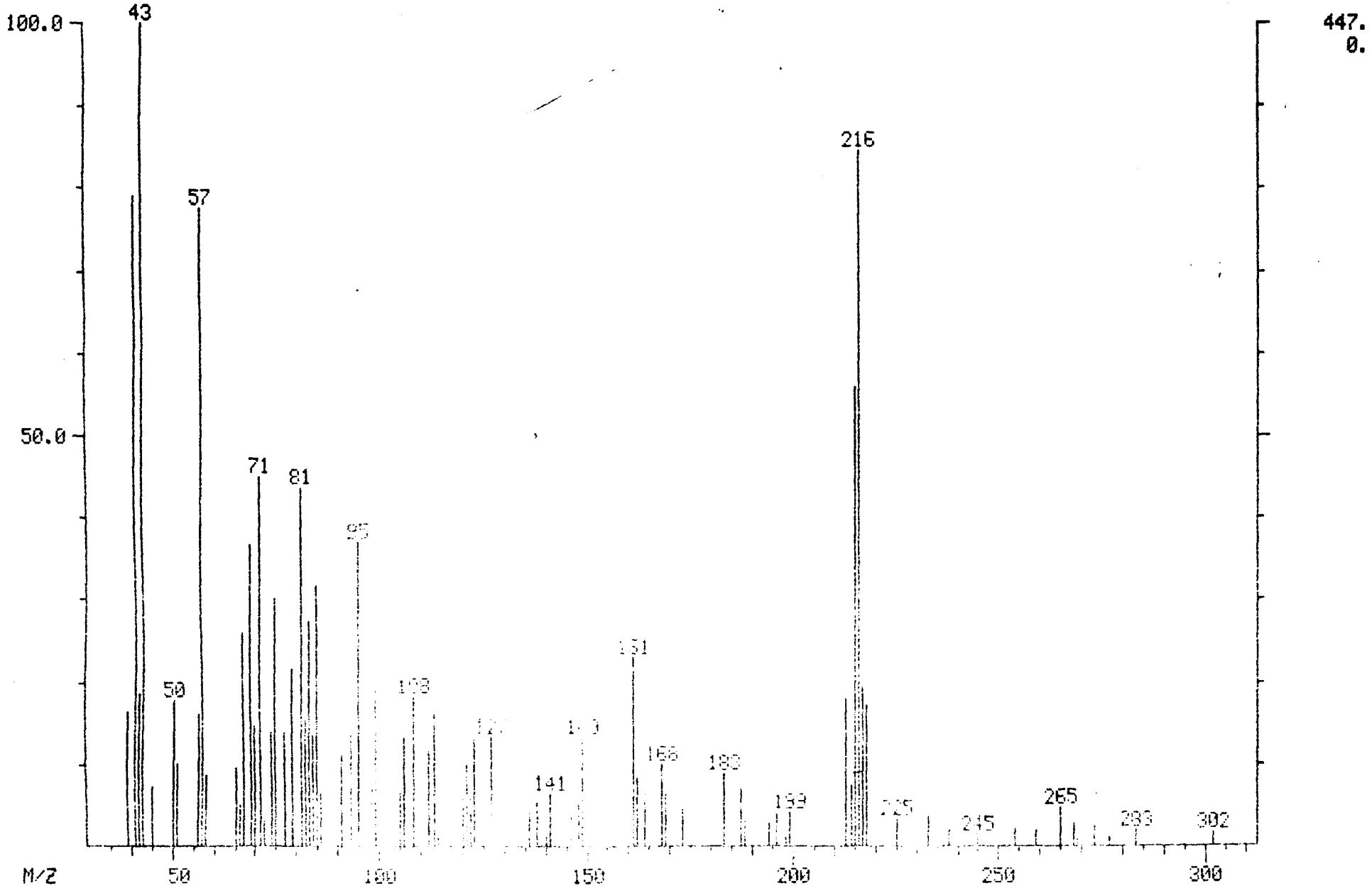
004758



MASS SPECTRUM
04/22/91 15:39:00 + 28:08
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2838
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 5744.

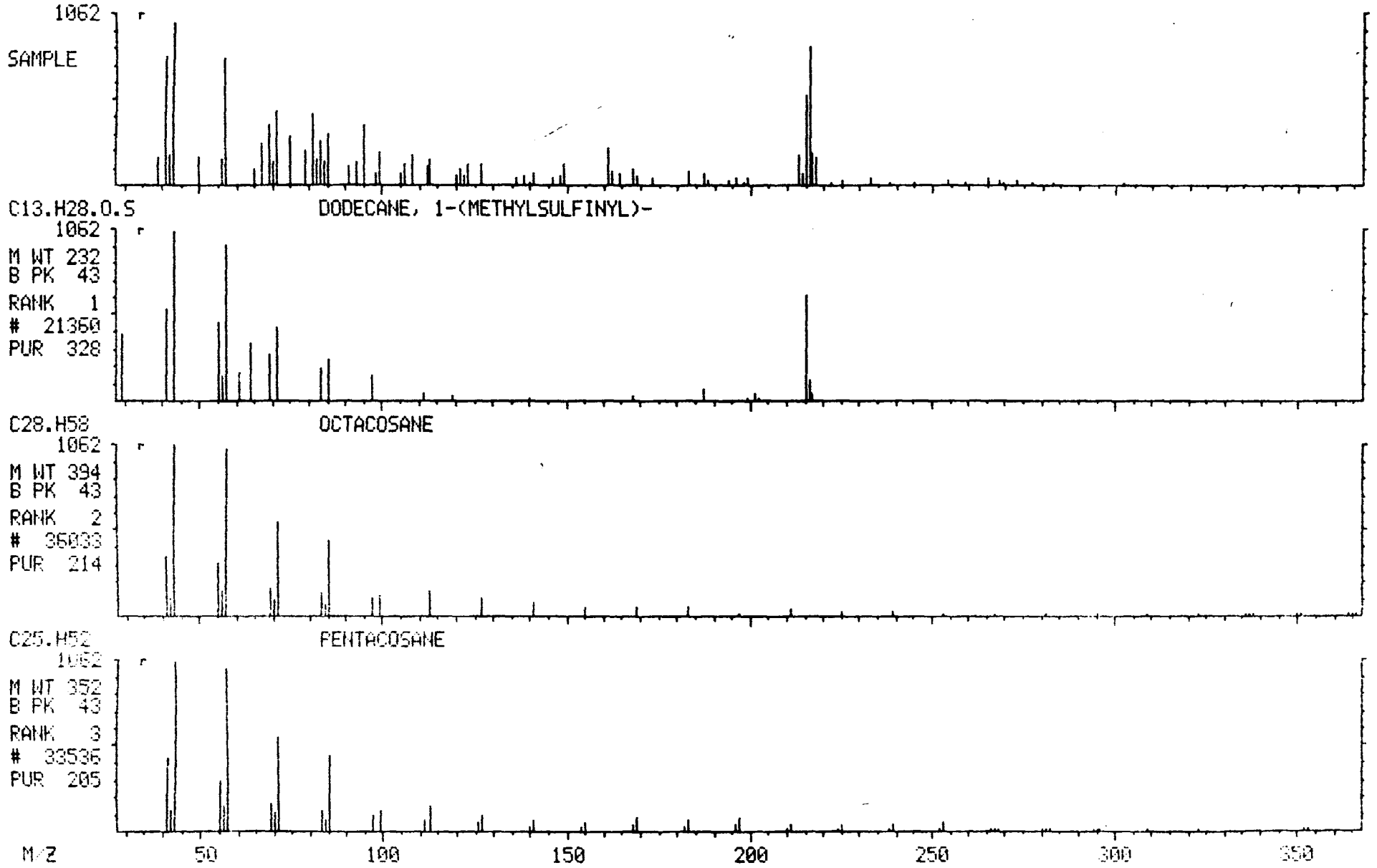


001759

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 28:08
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #2838
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 5432.

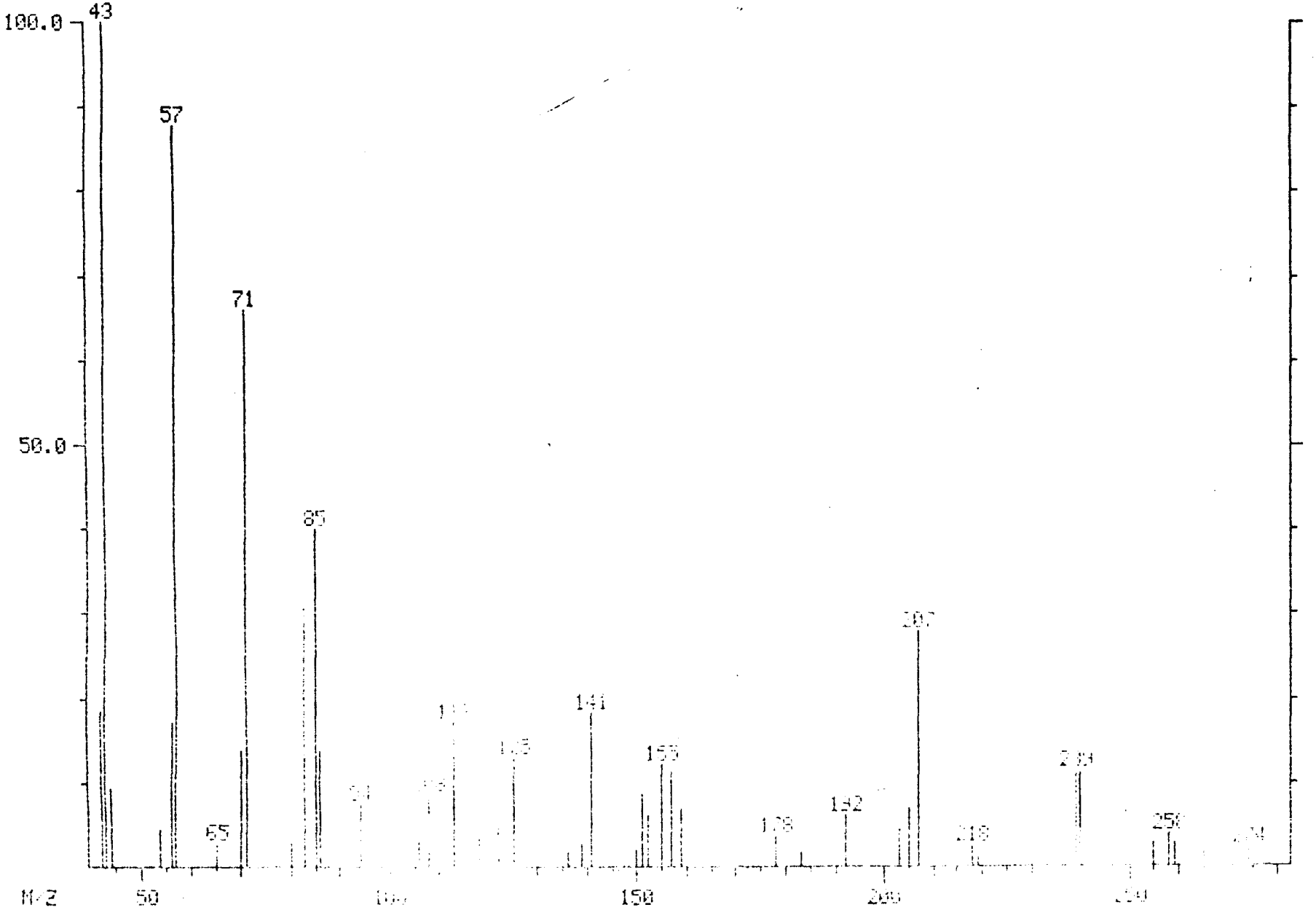


00427C0

MASS SPECTRUM
04/22/91 15:39:00 + 33:44
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3403
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 1768.



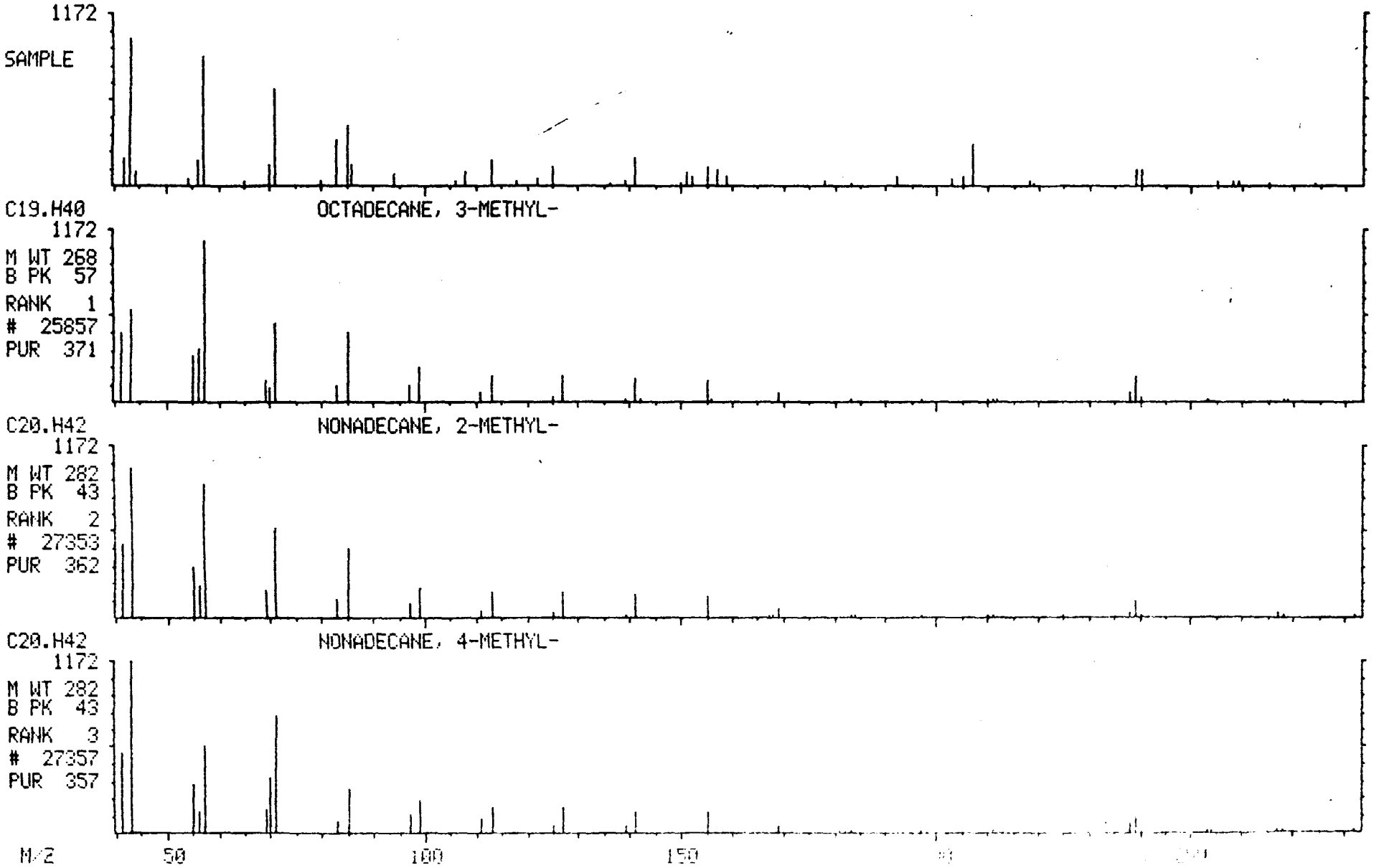
0017100

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 33:44
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3403
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 1768.

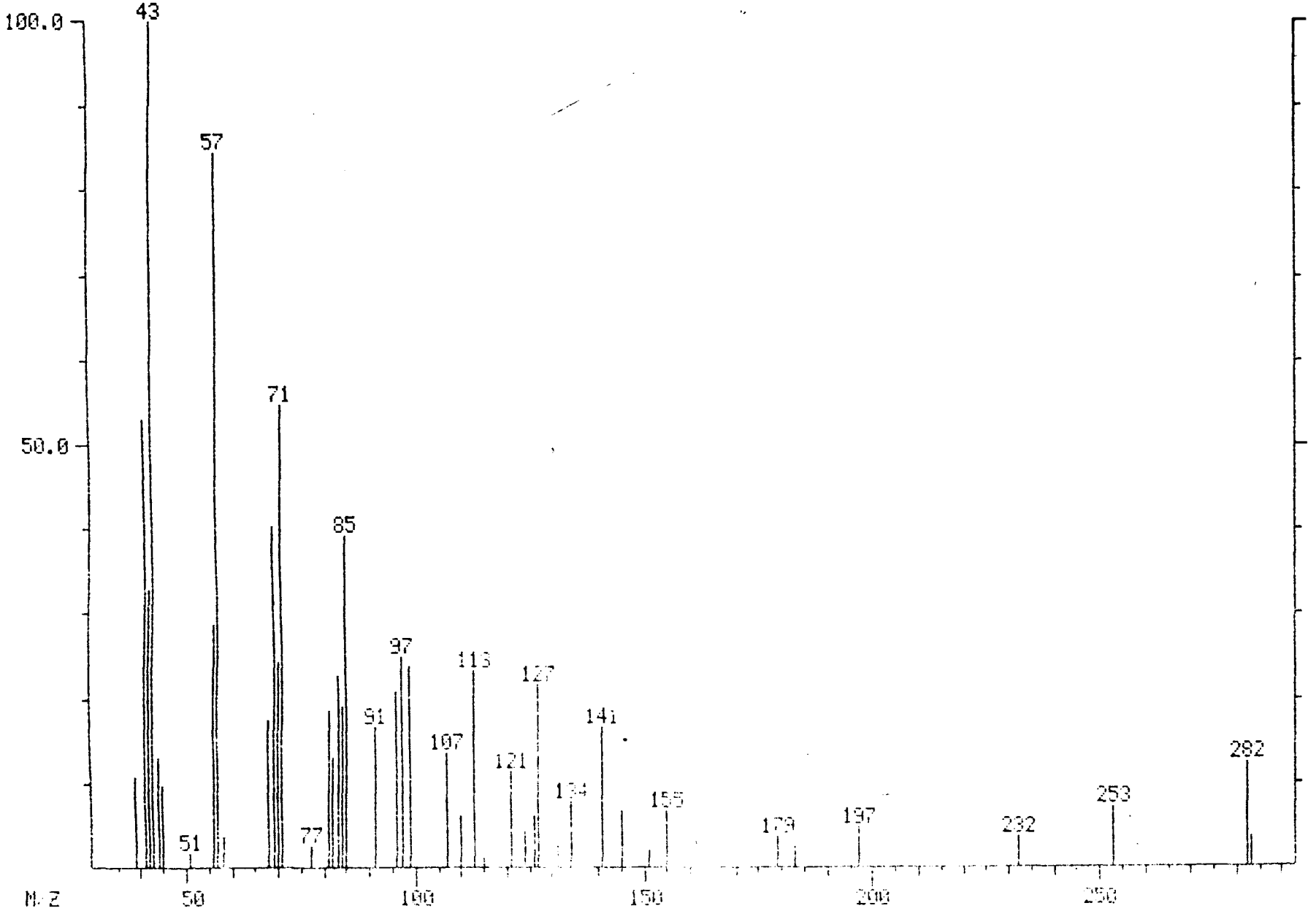
001752



MASS SPECTRUM
04/22/91 15:39:00 + 38:41
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3902
CALI: APR22GK07 #3

BASE M/Z: 43
RIC: 1654.



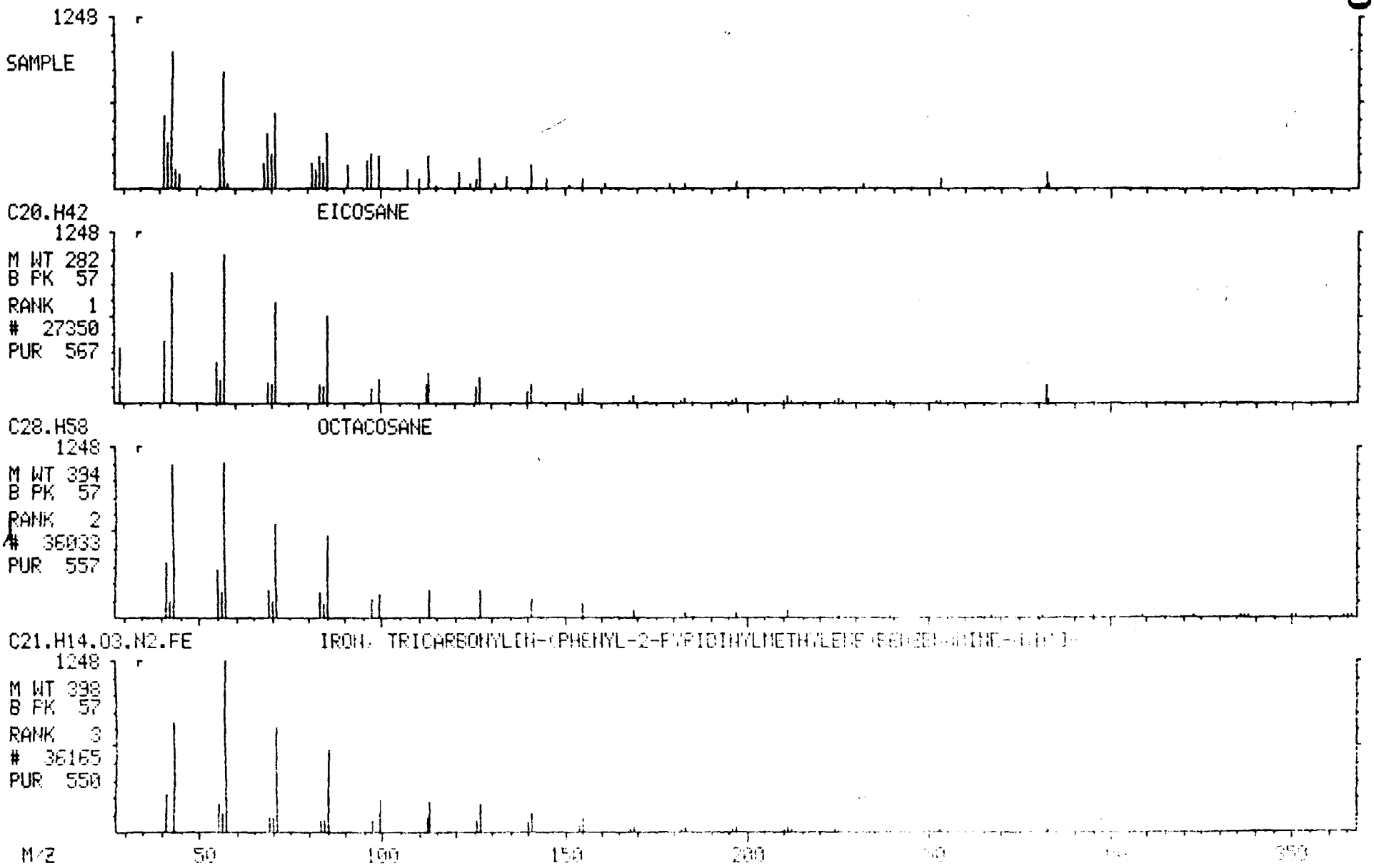
194.
0.

001763

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 15:39:00 + 38:41
SAMPLE: 90906 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK07 #3902
CALI: APR22GK07 # 3

BASE M/Z: 43
RIC: 1626.



00127.4

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190907

Sample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	960	U
111-44-4	bis(2-Chloroethyl)Ether	960	U
95-57-8	2-Chlorophenol	960	U
541-73-1	1,3-Dichlorobenzene	960	U
106-46-7	1,4-Dichlorobenzene	960	U
100-51-6	Benzyl Alcohol	960	U
95-50-1	1,2-Dichlorobenzene	960	U
95-48-7	2-Methylphenol	960	U
39638-32-9	bis(2-Chloroisopropyl)Ether	960	U
106-44-5	4-Methylphenol	960	U
621-64-7	N-Nitroso-Di-n-Propylamine	960	U
67-72-1	Hexachloroethane	960	U
98-95-3	Nitrobenzene	960	U
78-59-1	Isophorone	960	U
88-75-5	2-Nitrophenol	960	U
105-67-9	2,4-Dimethylphenol	960	U
65-85-0	Benzoic Acid	4600	U
111-91-1	bis(2-Chloroethoxy)Methane	960	U
120-83-2	2,4-Dichlorophenol	960	U
120-82-1	1,2,4-Trichlorobenzene	960	U
91-20-3	Naphthalene	960	U
106-47-8	4-Chloroaniline	960	U
87-68-3	Hexachlorobutadiene	960	U
59-50-7	4-Chloro-3-Methylphenol	960	U
91-57-6	2-Methylnaphthalene	960	U
77-47-4	Hexachlorocyclopentadiene	960	U
88-06-2	2,4,6-Trichlorophenol	960	U
95-95-4	2,4,5-Trichlorophenol	4600	U
91-58-7	2-Chloronaphthalene	960	U
88-74-4	2-Nitroaniline	4600	U
131-11-3	Dimethyl Phthalate	960	U
208-96-8	Acenaphthylene	960	U
606-20-2	2,6-Dinitrotoluene	960	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X109

ab Name: ILLINOIS EPA Contract: _____

ab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

atrix: (soil/water) SOIL Lab Sample ID: D190907

ample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

evel: (low/med) LOW Date Received: 03/29/91

Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

PC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4600	U
83-32-9	Acenaphthene	960	U
51-28-5	2,4-Dinitrophenol	4600	U
100-02-7	4-Nitrophenol	4600	U
132-64-9	Dibenzofuran	960	U
121-14-2	2,4-Dinitrotoluene	960	U
84-66-2	Diethylphthalate	960	U
7005-72-3	4-Chlorophenyl-phenylether	960	U
86-73-7	Fluorene	960	U
100-10-6	4-Nitroaniline	4600	U
534-52-1	4,6-Dinitro-2-Methylphenol	4600	U
86-30-6	N-Nitrosodiphenylamine (1)	960	U
101-55-3	4-Bromophenyl-phenylether	960	U
118-74-1	Hexachlorobenzene	960	U
87-86-5	Pentachlorophenol	4600	U
85-01-8	Phenanthrene	960	U
120-12-7	Anthracene	960	U
84-74-2	Di-n-Butylphthalate	960	U
206-44-0	Fluoranthene	960	U
129-00-0	Pyrene	960	U
85-68-7	Butylbenzylphthalate	960	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)Anthracene	960	U
218-01-9	Chrysene	960	U
117-81-7	bis(2-Ethylhexyl)Phthalate	960	U
117-84-0	Di-n-Octyl Phthalate	960	U
205-99-2	Benzo(b)Fluoranthene	960	U
207-08-9	Benzo(k)Fluoranthene	960	U
50-32-8	Benzo(a)Pyrene	960	U
193-39-5	Indeno(1,2,3-cd)Pyrene	960	U
53-70-3	Dibenz(a,h)Anthracene	960	U
191-24-2	Benzo(g,h,i)Perylene	960	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X109

ab Name: ILLINOIS EPA Contract: _____

ab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

atrix: (soil/water) SOIL Lab Sample ID: D190907

ample wt/vol: 30.5 (g/mL) G Lab File ID: APR22GK03

evel: (low/med) LOW Date Received: 03/28/91

Moisture: not dec. 32 dec. ____ Date Extracted: 03/29/91

xtraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

PC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

umber TICs found: 18

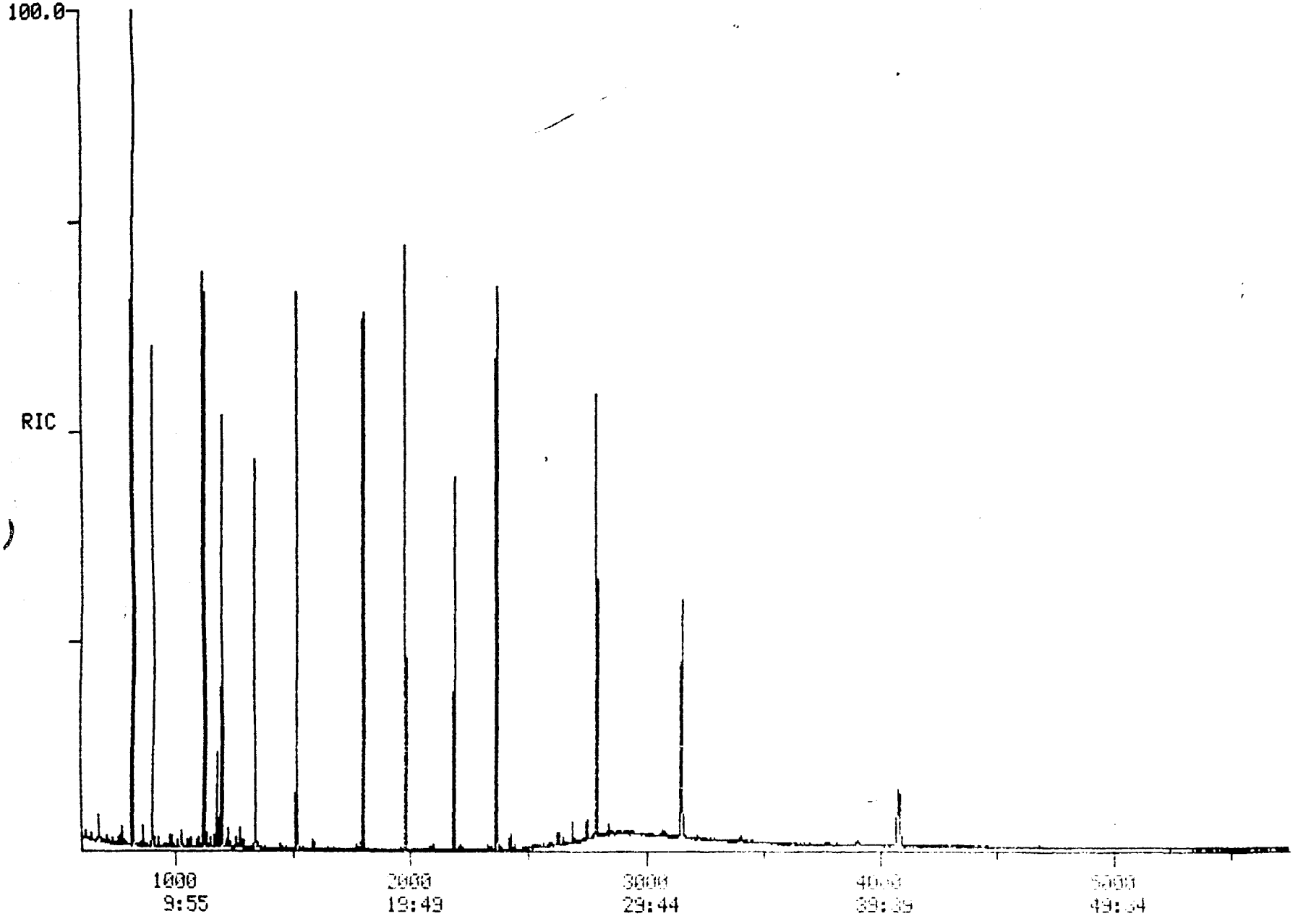
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	7.70	60	J
2.	UNKNOWN ALIP. ALCOHOL	8.15	2800	BAJ
3.	UNKNOWN	8.57	60	BJ
4.	TETRACHLORO ETHANE	9.80	38	BJ
5.	UNKNOWN	10.19	91	BJ
6.	UNKNOWN	10.59	50	J
7.	UNKNOWN	11.24	47	BJ
8.	UNKNOWN	11.69	280	BJ
9.	UNKNOWN	12.15	59	BJ
10.	UNKNOWN	12.47	28	J
11.	UNKNOWN ALIP. HYDROCARBON	12.65	78	J
12.	UNKNOWN PHTHALATE	24.02	52	J
13.	UNKNOWN	26.02	32	J
14.	UNKNOWN	26.07	37	J
15.	UNKNOWN ALIP. HYDROCARBON	28.17	43	J
16.	UNKNOWN ALIP. HYDROCARBON	30.49	31	J
17.	UNKNOWN ALIP. HYDROCARBON	33.76	35	J
18.	UNKNOWN ALIP. HYDROCARBON	38.74	40	J

X1Ψ7

RIC
04/22/91 10:59:00
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5750 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR22GK03 #1 SCANS 600 TO 5750
CALI: APR22GK03 #3



129408

00126

```
 4/22/91     10:59:44
     Acquisition started


 4/22/91     10:59:47
Acquire                          Run 3:APR22GK03          Starting
04/22/91 10:59:00 +  0:00        Free sectors: 16639      Scan: 0 of 5750
Sample: 90907 GPC CLP   1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SB                 Analyst: GK              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5       VIAL:   1
                    *** GC ready and waiting ***
GC Desc.: BN                                        Elapsed time :    0.0 Min
Seq.   Temp     Rate      Time (minutes)
 #    (DegC)   (C/min)  period     total      Injector A    :  260 Deg C
 1    40- 40     -        4.0       4.0       GC oven       :   40 Deg C
 2    40-280   10.0      24.0      28.0       Transfer-line:  271 Deg C
 3   280-280     -       32.0      60.0       Ion source    :  180 Deg C
Valve A : closed       Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window #  1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #    Lo mass    Hi mass       Time
   1       34.510    450.635      1.000

Sequence Window #  2
                    Number of cycles:      1
                    Filament is ON
                    Multiplier is ON
Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #    Lo mass    Hi mass       Time
   1       34.510    450.635      1.000

    Calibration table:       1:CALTAB

    Interface number            0
    Instrument type             Q
    Full scale mass          1159  u
    Zero scale mass             1  u
    Intensity/ion               2
    Peak width               1000.  mmu
    Offset at low mass          0  mmu
```

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.50	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 972.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/22/91 12:00:21
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan		per sec
Centroid	5750	6.5	3419.7	0.2	91175.	16.	27.

Quantitation Report File: APR22GK03

Data: APR22GK03.TI
04/22/91 10:59:00
Sample: 90907 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C550 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	150	1198	11:52	1	1.000	A BB	48546.	40.000	UG/L	5.00
2	94	1126	11:10	1	0.940	A BB	274.	0.254	UG/L	0.03
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	146	1202	11:55	1	1.003	A BB	164.	0.168	UG/L	0.02
7	146	1248	12:22	1	1.042	A BB	94.	0.103	UG/L	0.01
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	112	906	8:59	1	0.756	A BB	59604.	87.070	%	10.89
15	99	1123	11:08	1	0.937	A BB	78096.	102.782	%	12.85
16	136	1518	15:03	16	1.000	A BB	122232.	40.000	UG/L	5.00
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	180	1508	14:57	16	0.993	A BB	80.	0.105	UG/L	0.01
25	128	1524	15:06	16	1.004	A BB	256.	0.092	UG/L	0.01
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	82	1340	13:17	16	0.883	A BB	54786.	93.007	%	11.63
31	162	1979	19:37	31	1.000	A BB	64824.	40.000	UG/L	5.00
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
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	168	2028	20:06	31	1.025	A BB	132.	0.051	UG/L	0.01
44	NOT FOUND									
45	NOT FOUND									
46	149	2099	20:48	31	1.061	A BB	190.	0.090	UG/L	0.01
47	NOT FOUND									
48	166	2119	21:00	31	1.071	A BB	92.	0.048	UG/L	0.01
49	NOT FOUND									
50	172	1801	17:51	31	0.910	A BB	86046.	106.608	%	13.33

Quantitation Report File: APR22GK03

Data: APR22GK03.TI
04/22/91 10:59:00
Sample: 90907 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2187	21:41	31	1.105	A BB	14938.	87.302 %	10.92
52	188	2366	23:27	52	1.000	A BV	111128.	40.000 UG/L	5.00
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2372	23:31	52	1.003	A BB	2558.	0.931 UG/L	0.12
58	178	2383	23:37	52	1.007	A BB	412.	0.148 UG/L	0.02
59	149	2526	25:02	52	1.068	A BB	820.	0.242 UG/L	0.03
60	202	2690	26:40	52	1.137	A BB	5062.	1.942 UG/L	0.24
61	NOT FOUND								
62	202	2750	27:15	52	1.162	A BB	4460.	1.738 UG/L	0.22
63	NOT FOUND								
64	240	3152	31:15	64	1.000	A BB	68935.	40.000 UG/L	5.00
65	149	2937	29:07	64	0.932	A BB	556.	0.404 UG/L	0.05

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3145	31:10	64	0.998	A BB	1480.	0.798 UG/L	0.10
68	149	3170	31:25	64	1.006	A BB	422.	0.306 UG/L	0.04
69	228	3163	31:21	64	1.003	A BB	2134.	1.237 UG/L	0.15
70	244	2789	27:39	64	0.885	A BB	78732.	71.242 %	8.91
71	264	4081	40:27	71	1.000	A BB	33722.	40.000 UG/L	5.00
72	NOT	FOUND							
73	252	3772	37:23	71	0.924	A BV	1390.	1.362 UG/L	0.17
74	252	3785	37:31	71	0.927	A VB	1070.	1.026 UG/L	0.13
75	252	4027	39:55	71	0.987	A BB	580.	0.707 UG/L	0.09
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							

Quantitation Report File: APR22GK03A

Data: APR22GK03.TI
04/22/91 10:59:00
Sample: 90907 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.019
Resp. fac. from Library Entry

$\frac{478232}{339208} \times 40 \times 1/30.47 \times 1/100 = 0.019$

No	CAS #	Name
1	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
2	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
3	6728-26-3	2-HEXENAL, (E)-
4	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
5	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
6	20019-64-1	2(5H)-FURANONE, 5,5-DIMETHYL-
7	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
8	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
9	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
10	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
11	62108-27-4	DECANE, 2,4,6-TRIMETHYL-
12	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST
13	24035-50-5	1-PHENANTHRENECARBOXALDEHYDE, 1,2,3,4,4A,9,10,10A-OCTA
14	638-66-4	OCTADECANAL
15	3079-30-9	DODECANE, 1-(METHYLSULFINYL)-
16	629-72-1	PENTADECANE, 1-BROMO-
17	17312-57-1	DODECANE, 3-METHYL-
18	630-02-4	OCTACOSANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	777	7:42	2	0.945	A BB	10438.HC	0.041	1.58
2	RIC	822	8:09	2	1.000	A BB	478232.Mp OL	1.900BA	72.48
3	RIC	865	8:34	2	1.052	A BB	10275.UNK	0.041B	1.56
4	RIC	988	9:48	2	1.202	A BB	6536.Below	0.026B	0.99
5	RIC	1028	10:11	2	1.251	A BB	15539.UNK	0.062B	2.36
6	RIC	1068	10:35	2	1.299	A BB	8435.UNK	0.034	1.28
7	RIC	1134	11:14	2	1.380	A VB	8014.UNK	0.032B	1.21
8	RIC	1178	11:41	2	1.433	A BB	48407.UNK	0.192B	7.34
9	RIC	1226	12:09	2	1.491	A VV	9955.UNK	0.040B	1.51
10	RIC	1258	12:28	2	1.530	A BB	4847.UNK	0.019	0.73
11	RIC	1276	12:39	2	1.552	A BB	13231.HC	0.053	2.01
12	RIC	2423	24:01	2	2.948	A BB	8732 Misc Phth	0.035	1.32
13	RIC	2624	26:01	2	3.192	A BV	5500.UNK	0.022	0.83
14	RIC	2630	26:04	2	3.200	A VB	6267.UNK	0.025	0.95
15	RIC	2842	28:10	2	3.457	A BB	7264.HC	0.029	1.10
16	RIC	3075	30:29	2	3.741	A BB	5233.HC	0.021	0.79
17	RIC	3405	33:45	2	4.142	A BB	6003.HC	0.024	0.91
18	RIC	3907	38:44	2	4.753	A BB	6894.HC	0.027	1.04

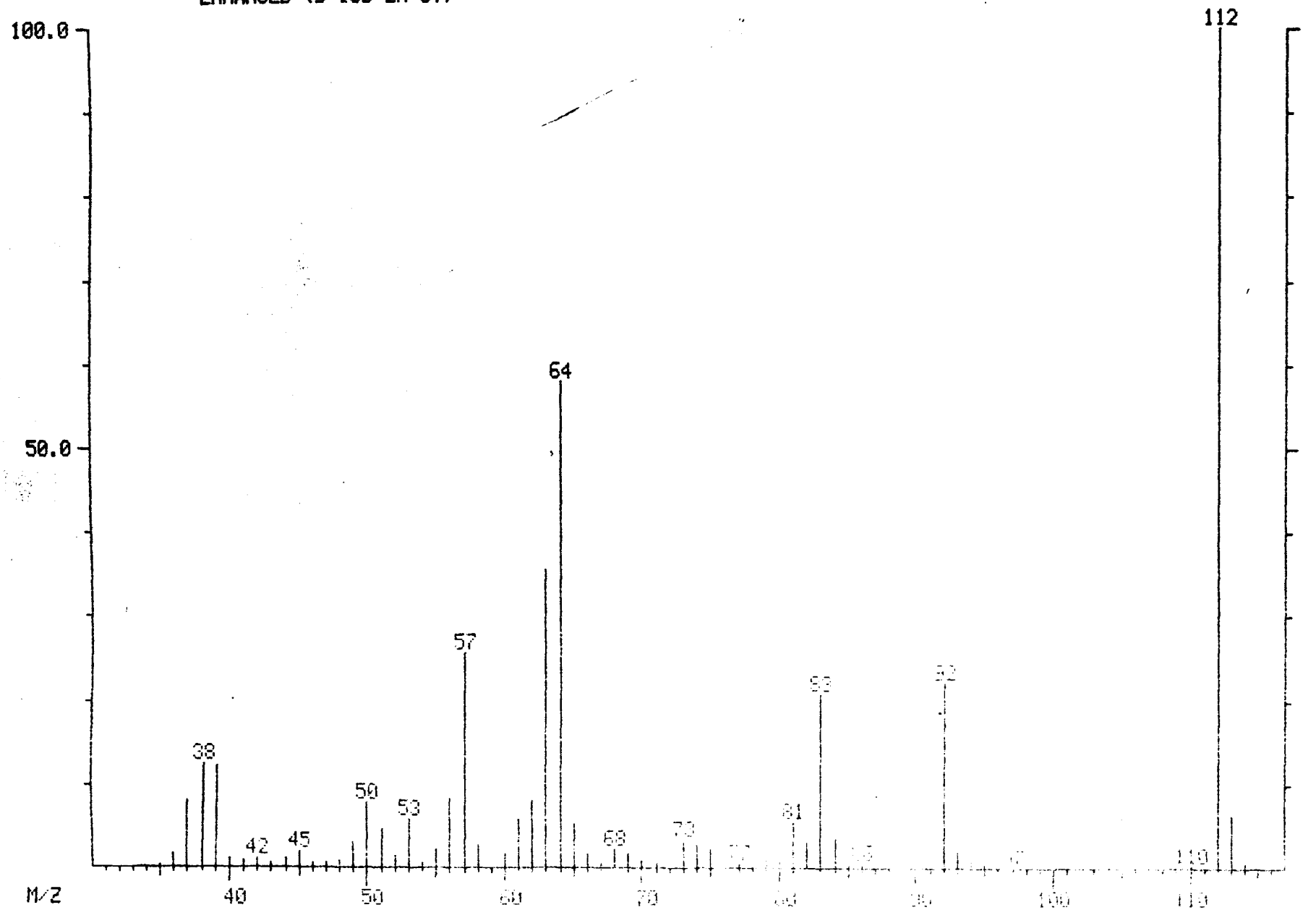
Tetrachloro Ethane #4

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 10:59:00 + 8:59
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #906
CALI: APR22GK03 #3

BASE M/Z: 112
RIC: 71168.

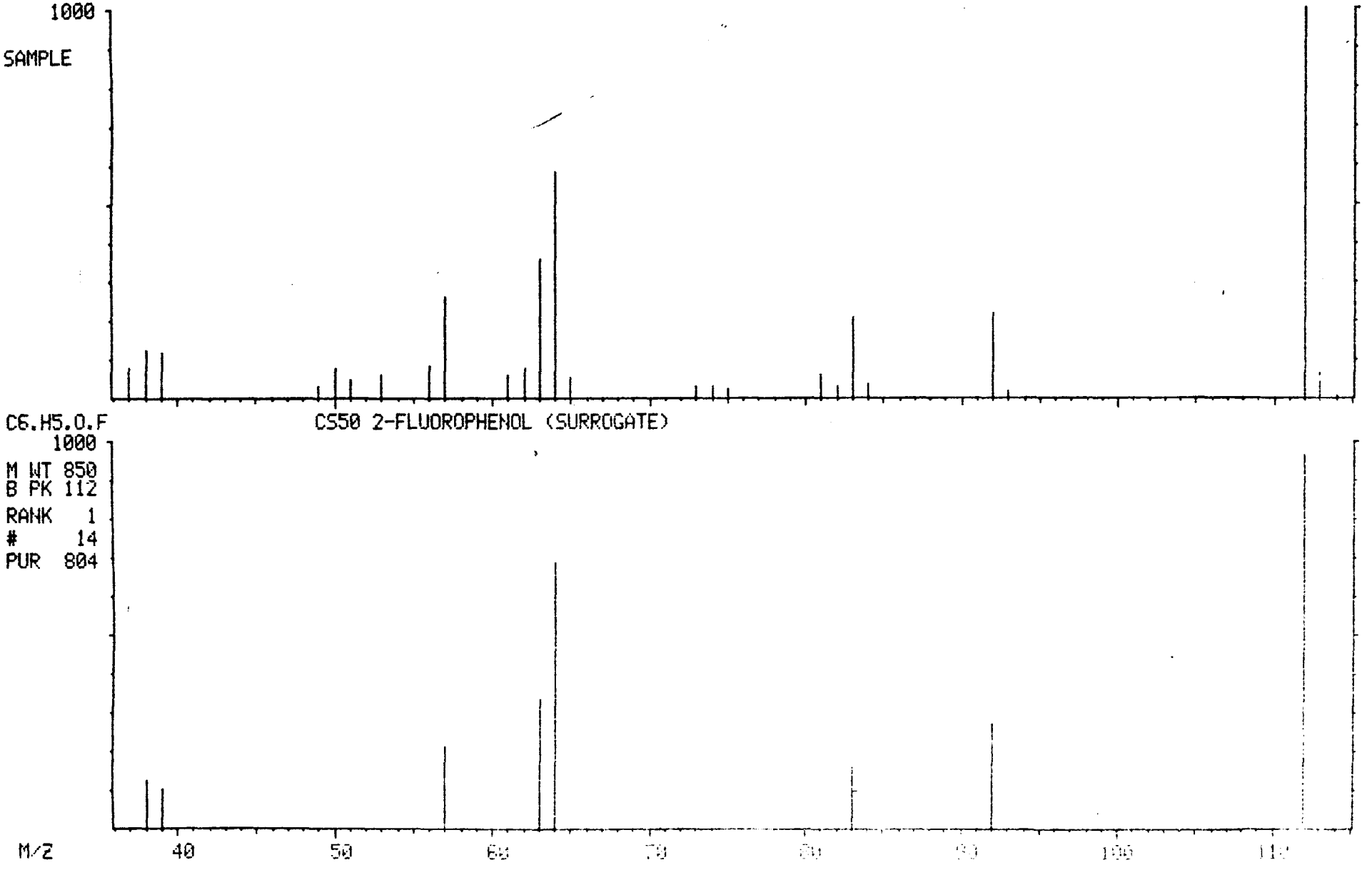


001777

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 8:59
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 # 906
CALI: APR22GK03 # 3

BASE M/Z: 112
RIC: 65792.

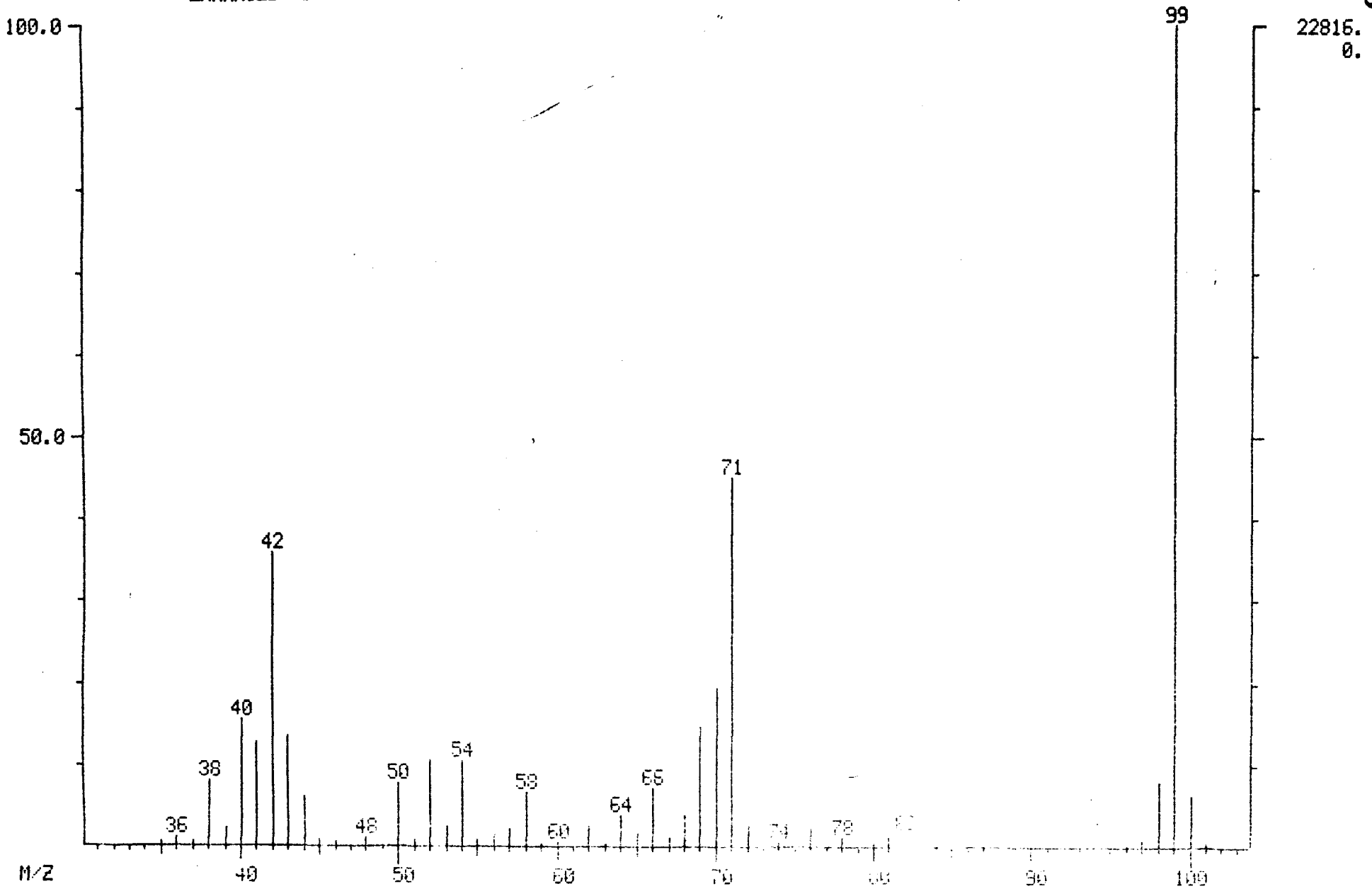


001778

MASS SPECTRUM
04/22/91 10:59:00 + 11:08
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1123
CALI: APR22GK03 #3

BASE M/Z: 99
RIC: 83968.

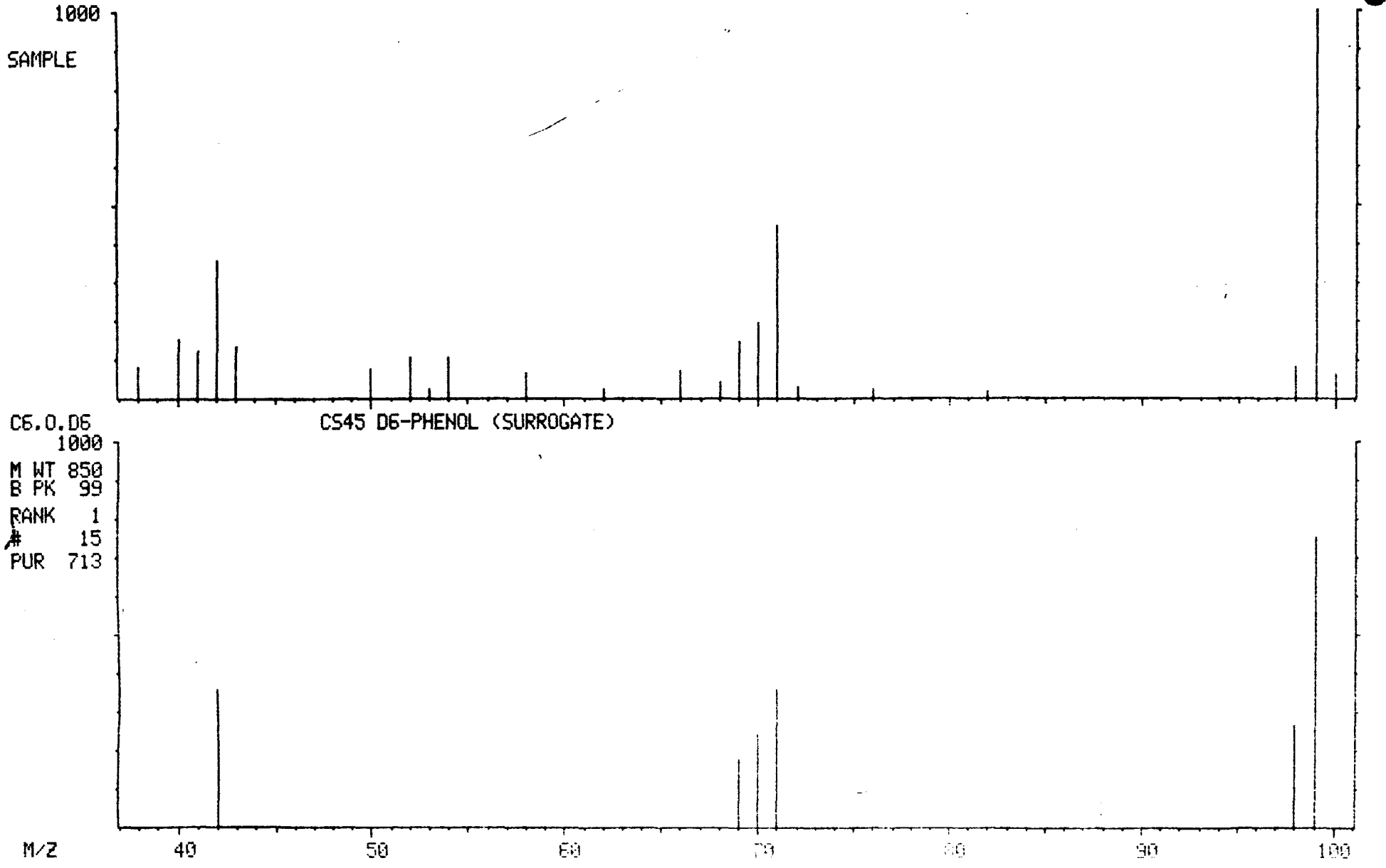


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 11:08
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1123
CALI: APR22GK03 # 3

BASE M/Z: 99
RIC: 76800.

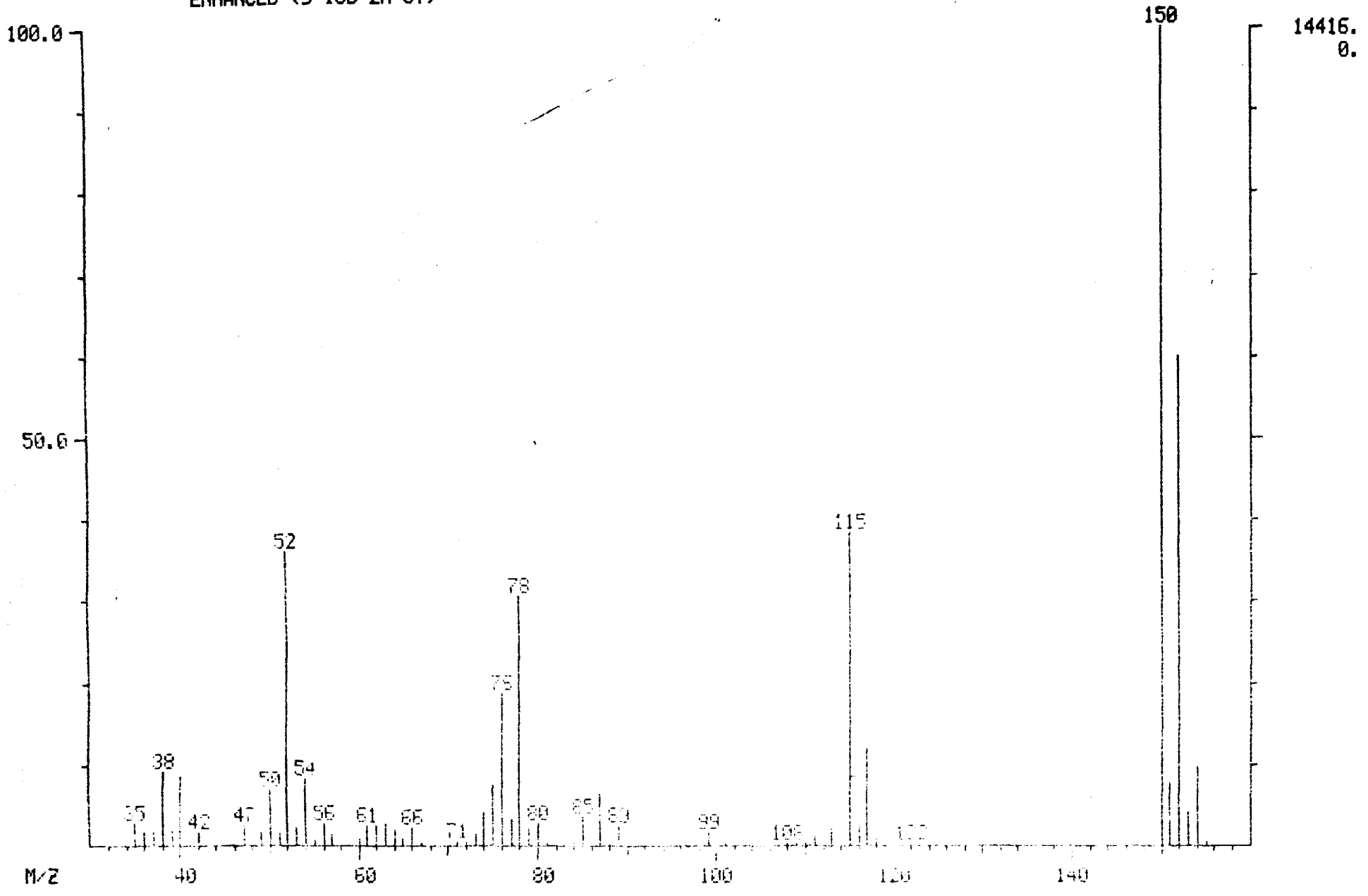
0041780



MASS SPECTRUM
04/22/91 10:59:00 + 11:52
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1198
CALI: APR22GK03 #3

BASE M/Z: 150
RIC: 63040.



9 2 2 2 0 U U U 3 4 0

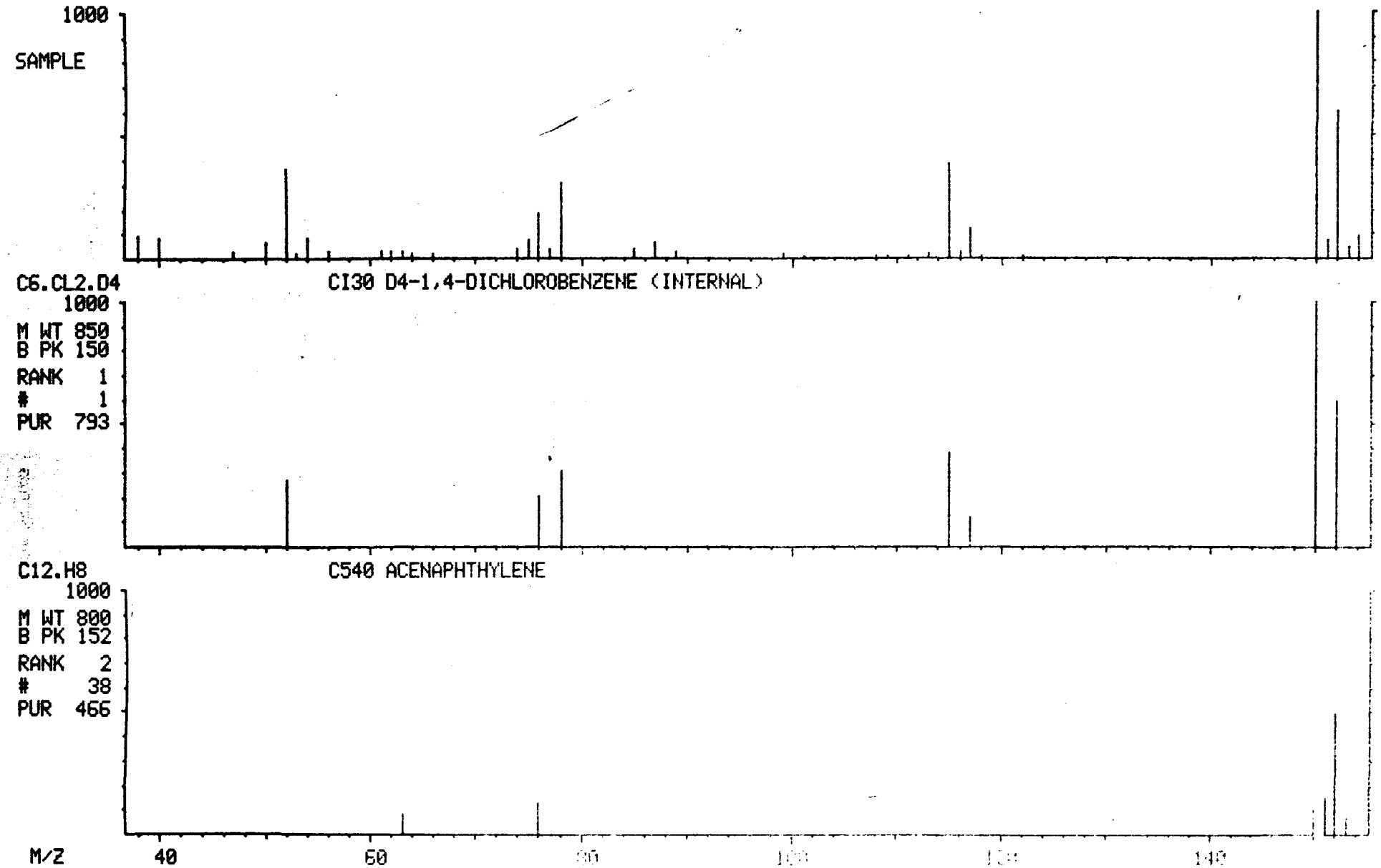
001781

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 11:52
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1198
CALI: APR22GK03 # 3

BASE M/Z: 150
RIC: 58816.

001762

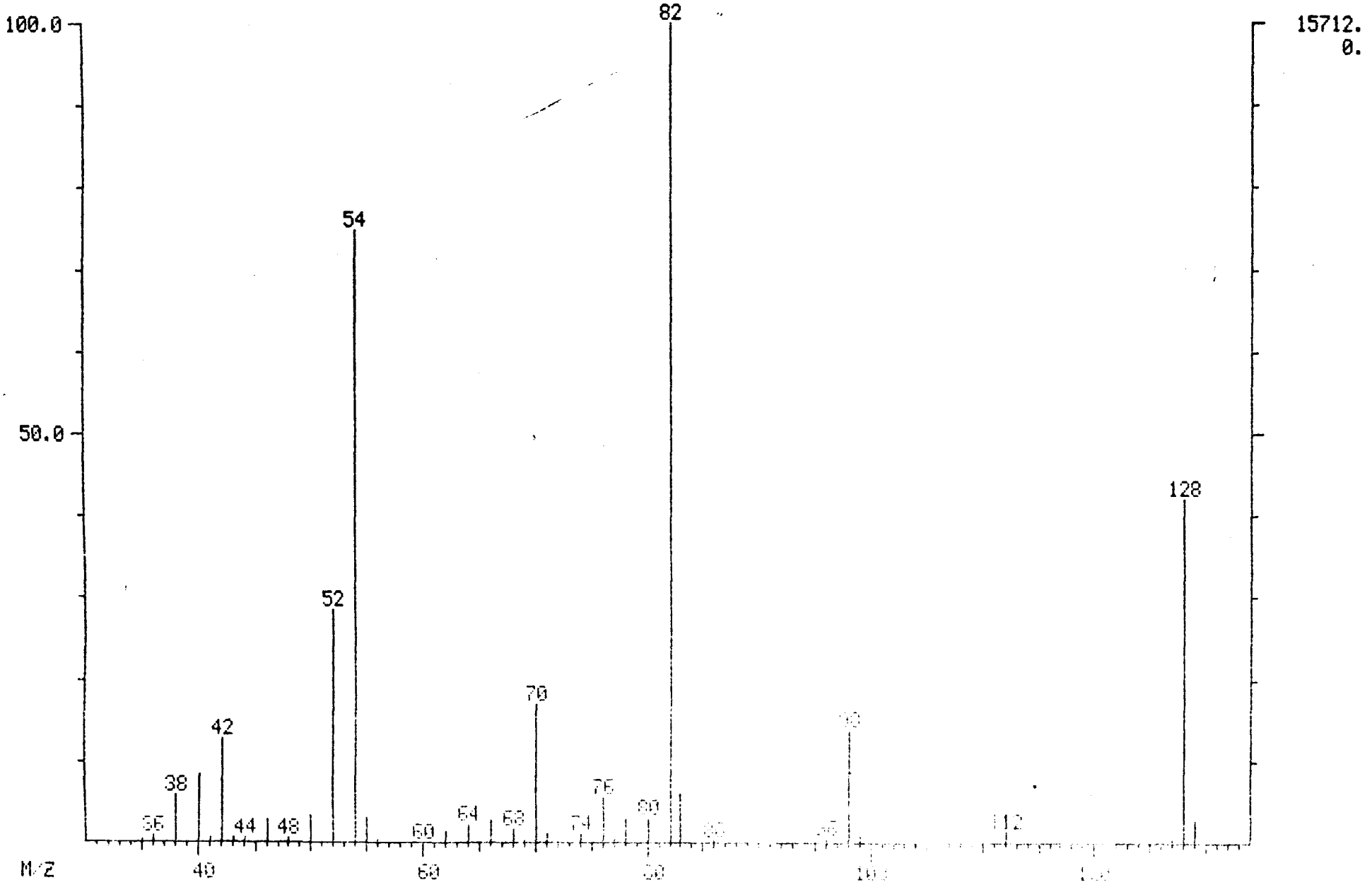


MASS SPECTRUM
04/22/91 10:59:00 + 13:17
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1340
CALI: APR22GK03 #3

BASE M/Z: 82
RIC: 55168.

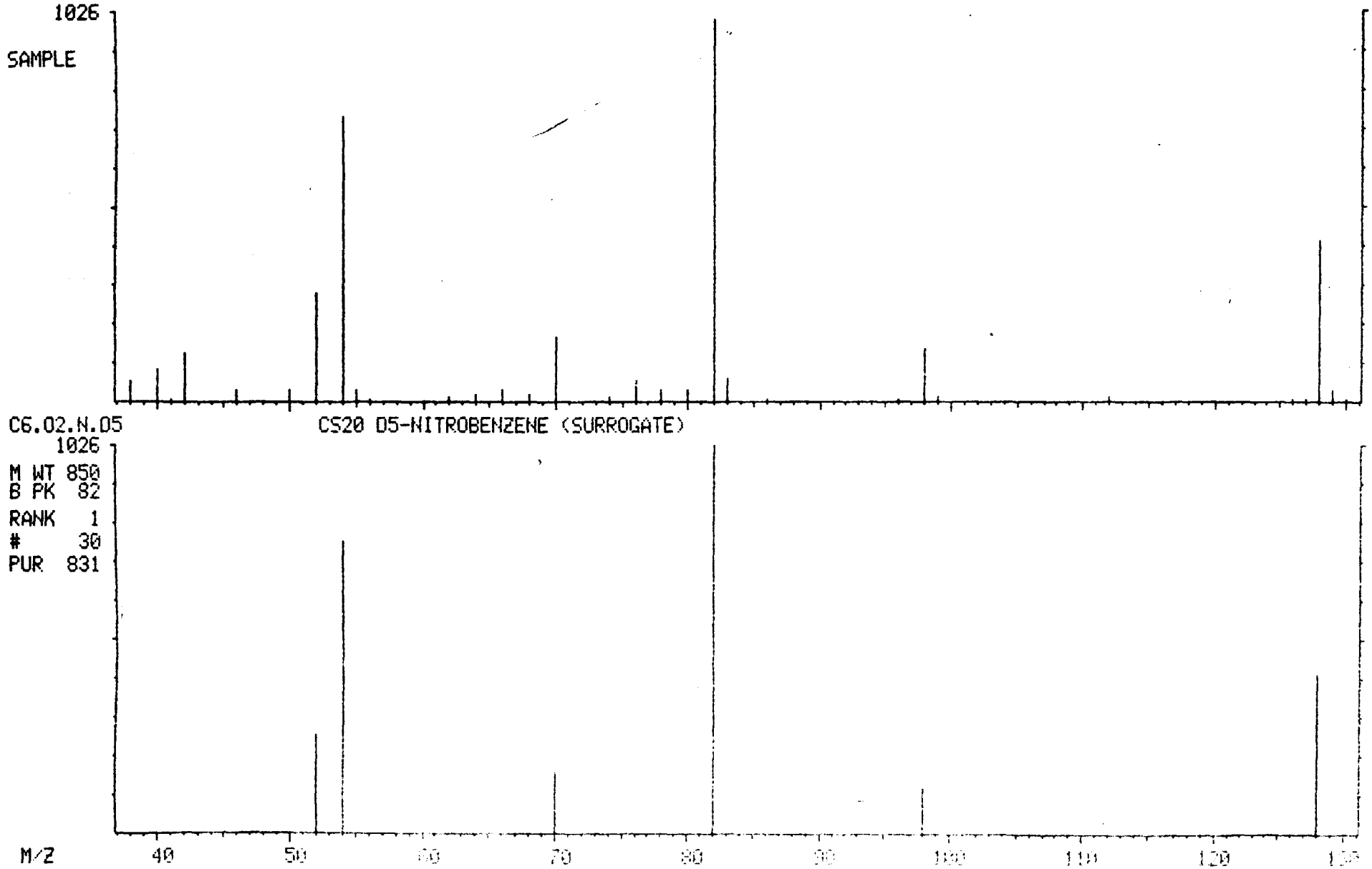
001783



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 13:17
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1340
CALI: APR22GK03 # 3

BASE M/Z: 82
RIC: 54464.



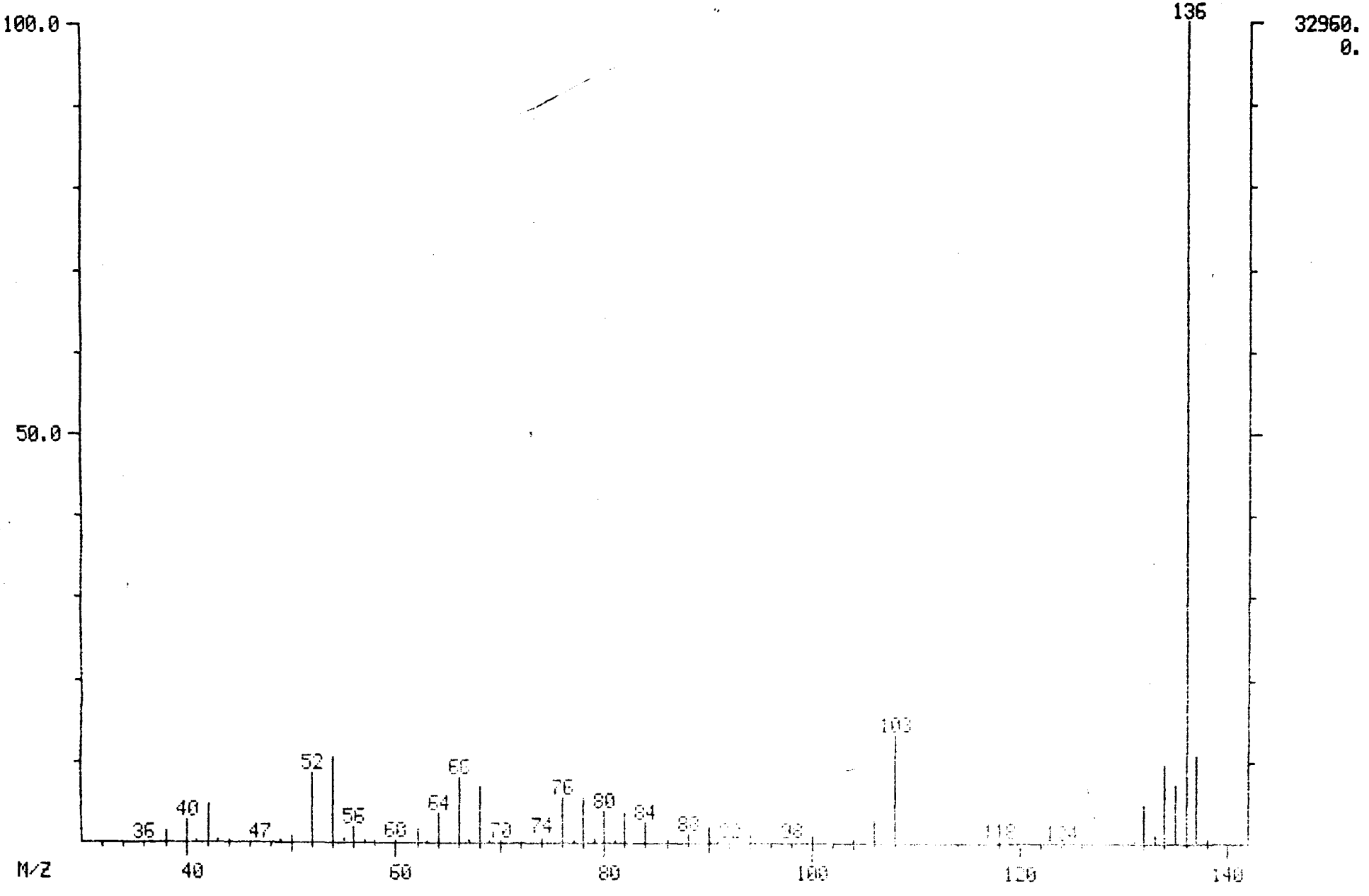
001754

MASS SPECTRUM
04/22/91 10:59:00 + 15:03
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1518
CALI: APR22GK03 #3

BASE M/Z: 136
RIC: 78336.

001785

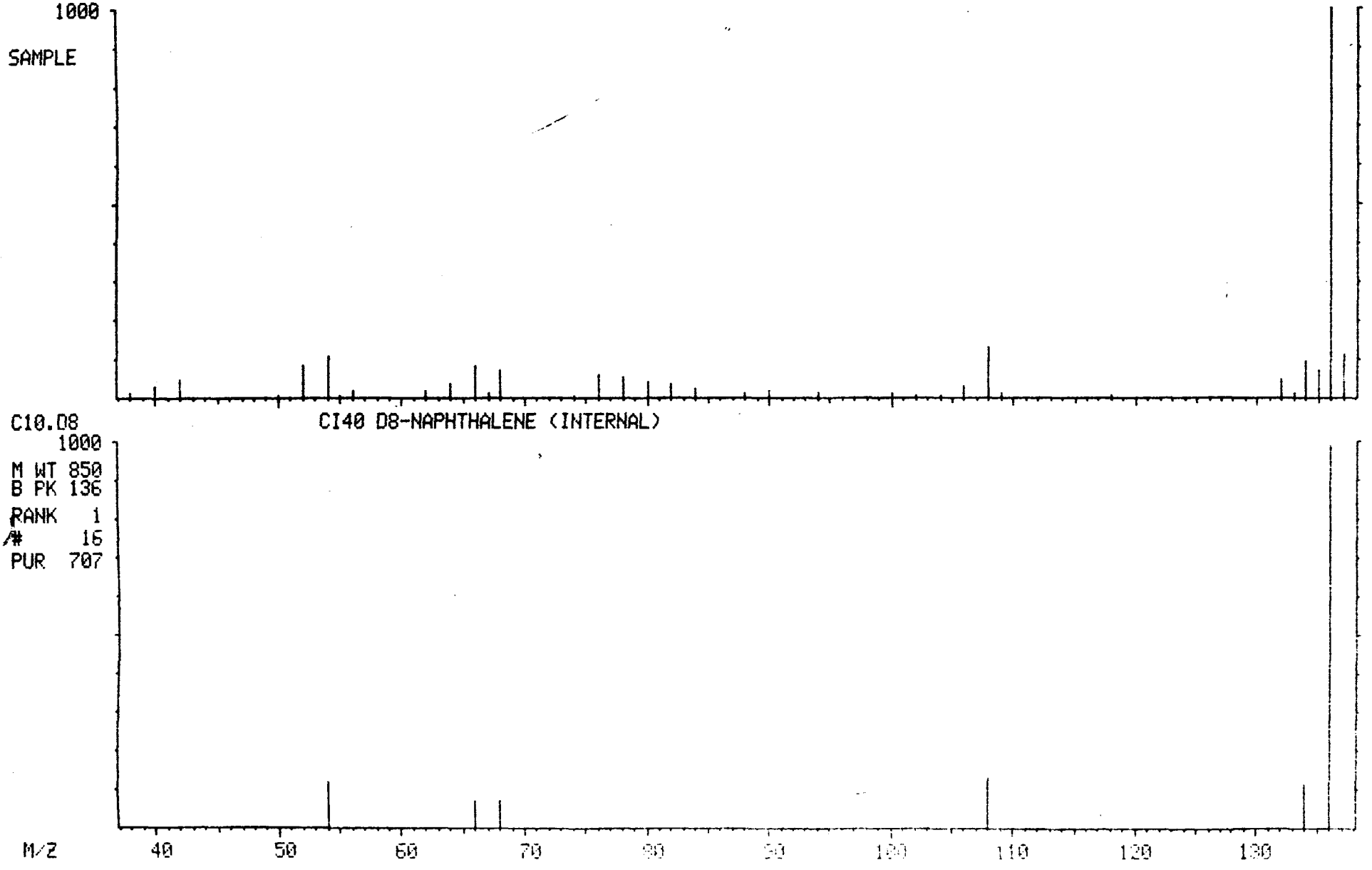


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 15:03
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1518
CALI: APR22GK03 # 3

BASE M/Z: 136
RIC: 76288.

001786

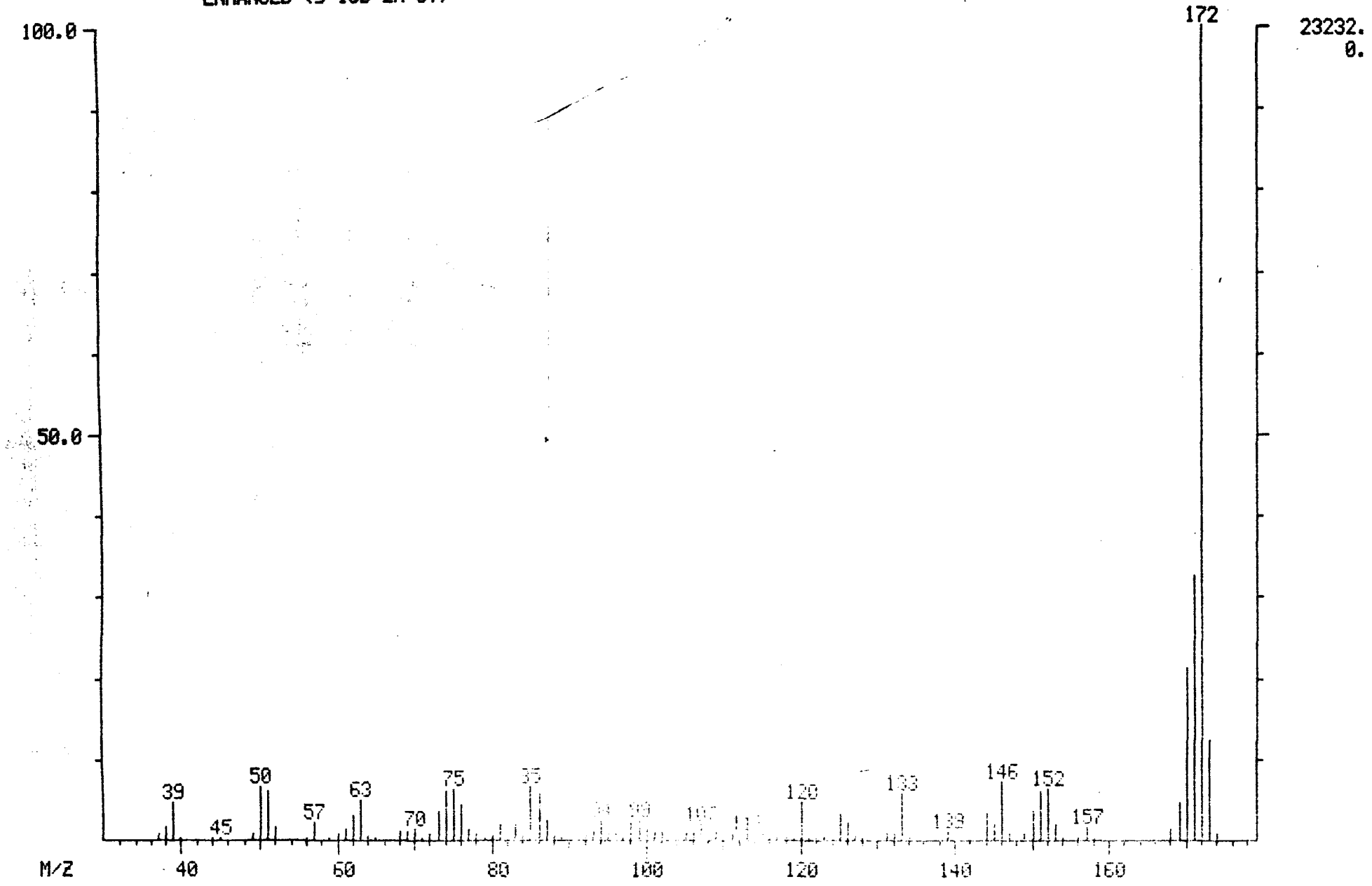


MASS SPECTRUM
04/22/91 10:59:00 + 17:51
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1801
CALI: APR22GK03 #3

BASE M/Z: 172
RIC: 78592.

001737

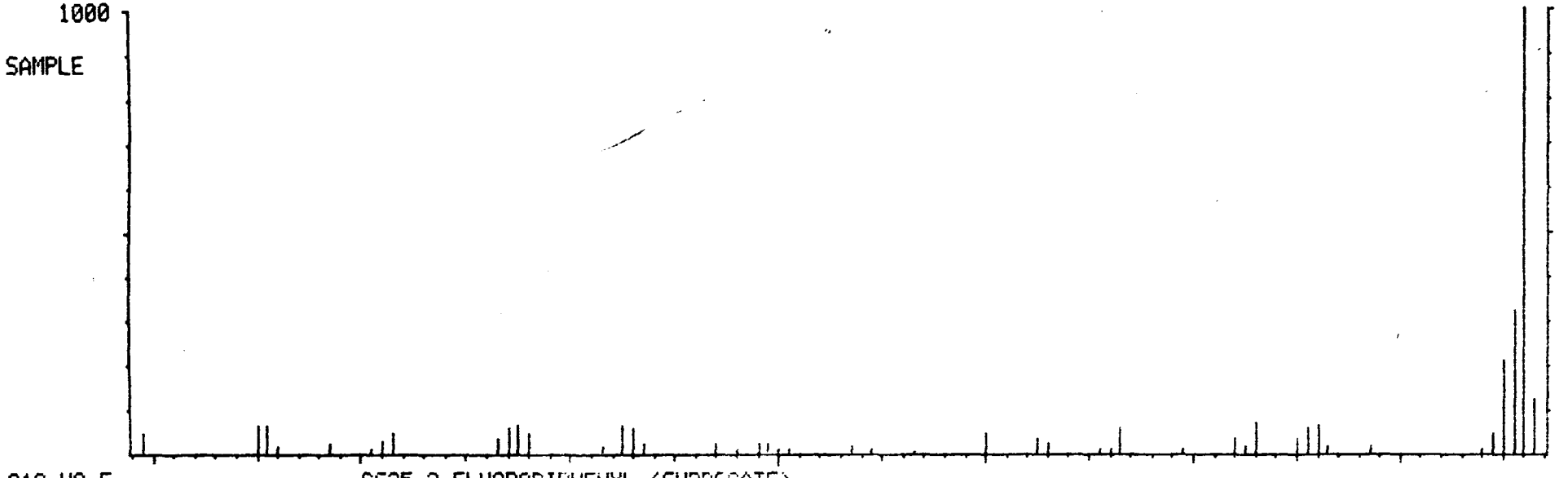


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 17:51
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

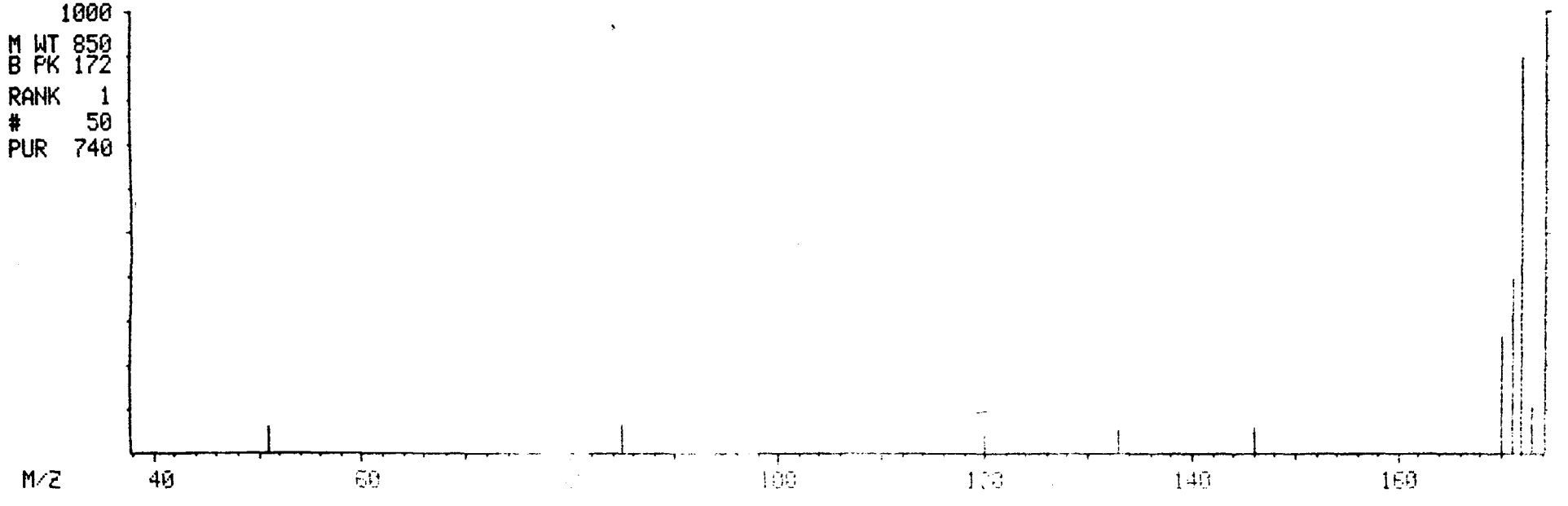
DATA: APR22GK03 #1801
CALI: APR22GK03 # 3

BASE M/Z: 172
RIC: 70912.

001788



C12.H9.F
CS25 2-FLUOROBIPHENYL (SURROGATE)

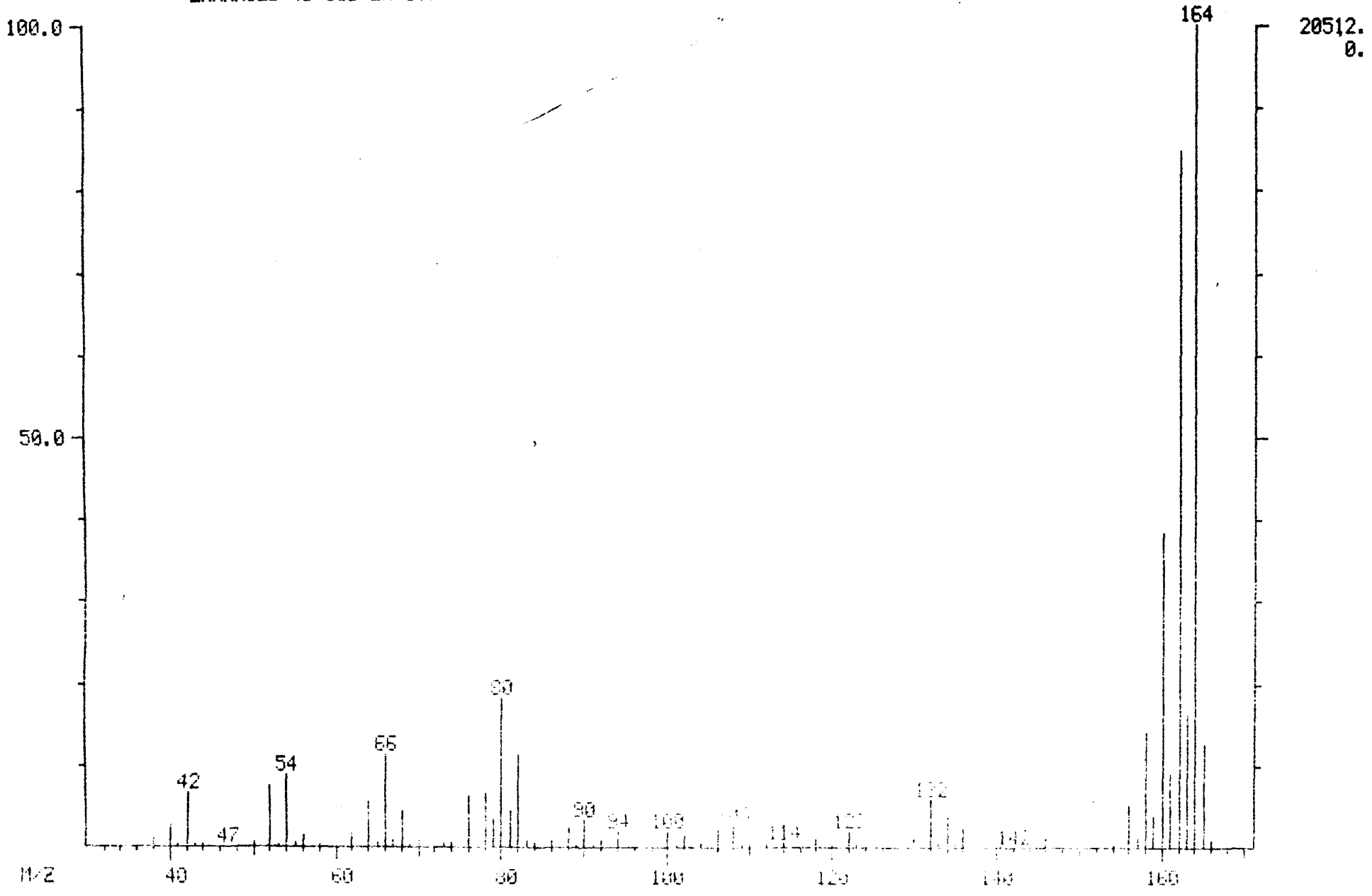


MASS SPECTRUM
04/22/91 10:59:00 + 19:37
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1979
CALI: APR22GK03 #3

BASE M/Z: 164
RIC: 90112.

G01759

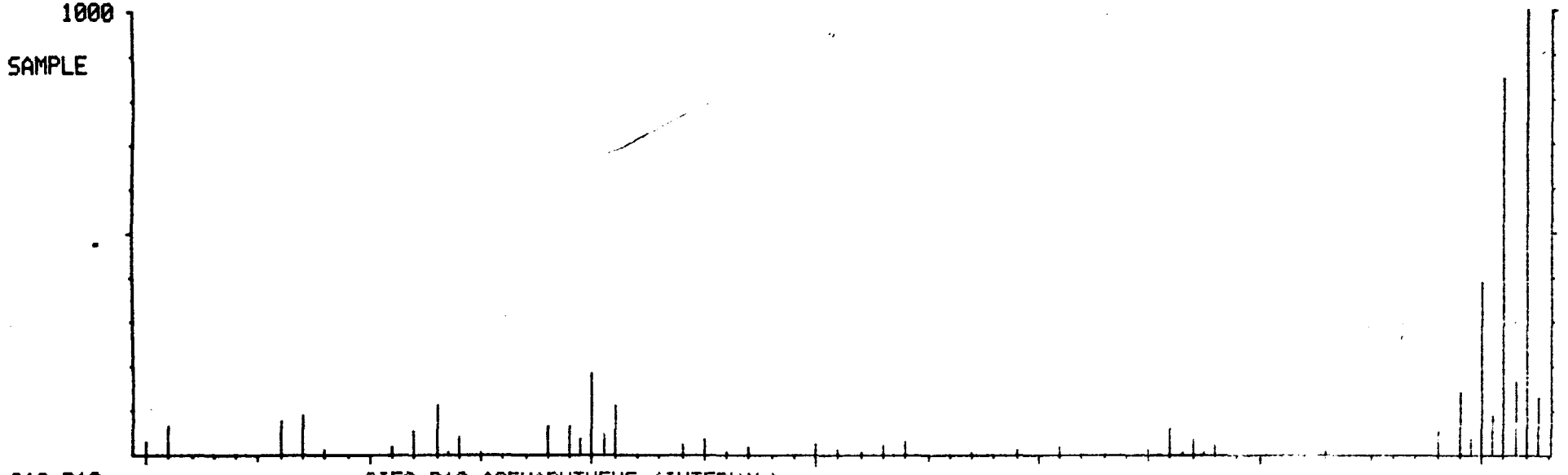


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 19:37
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

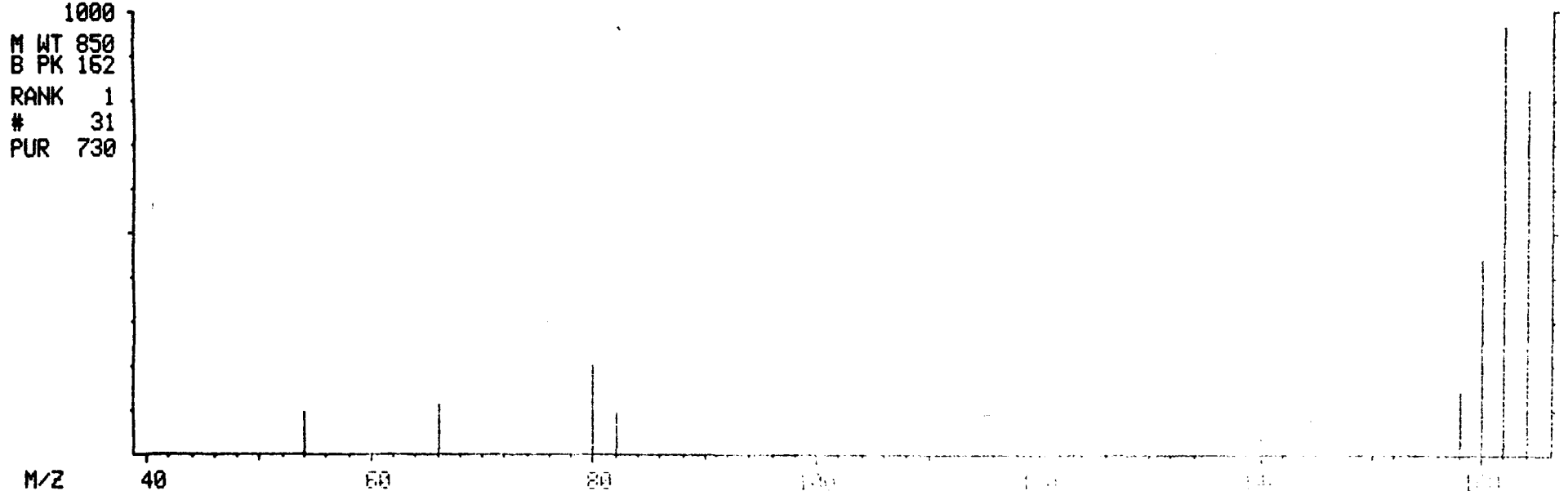
DATA: APR22GK03 #1979
CALI: APR22GK03 # 3

BASE M/Z: 164
RIC: 87168.

001790



C12.D10 CI50 D10-ACENAPHTHENE (INTERNAL)

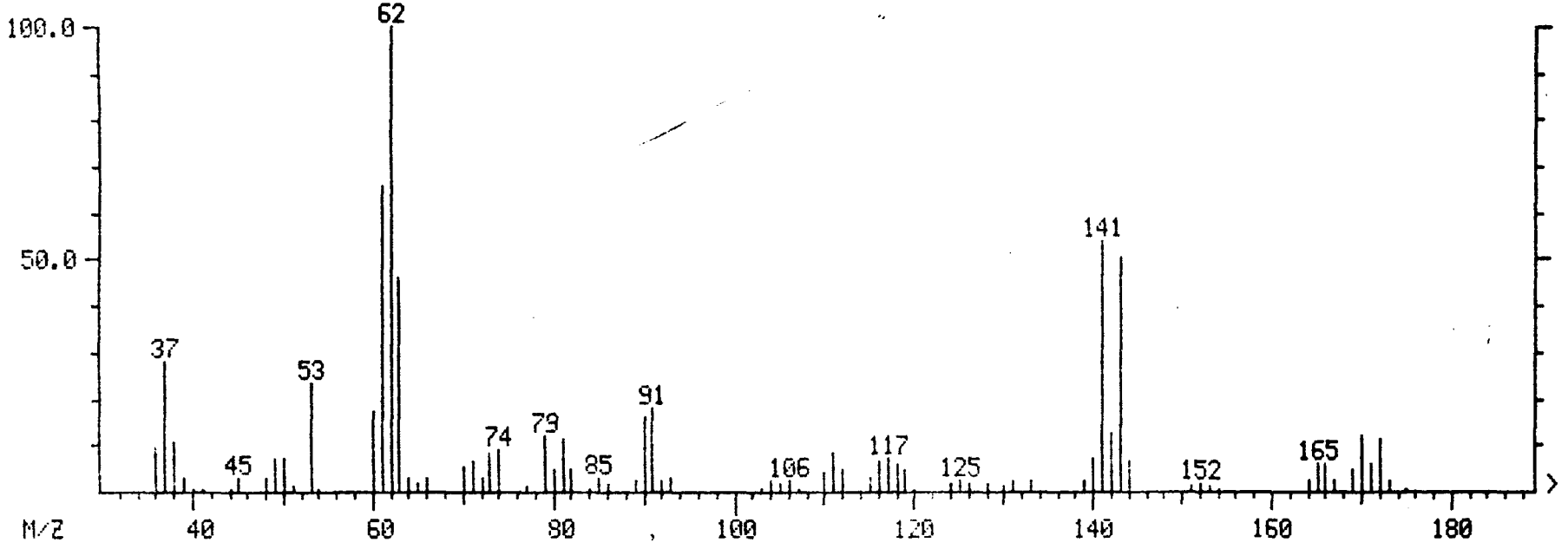


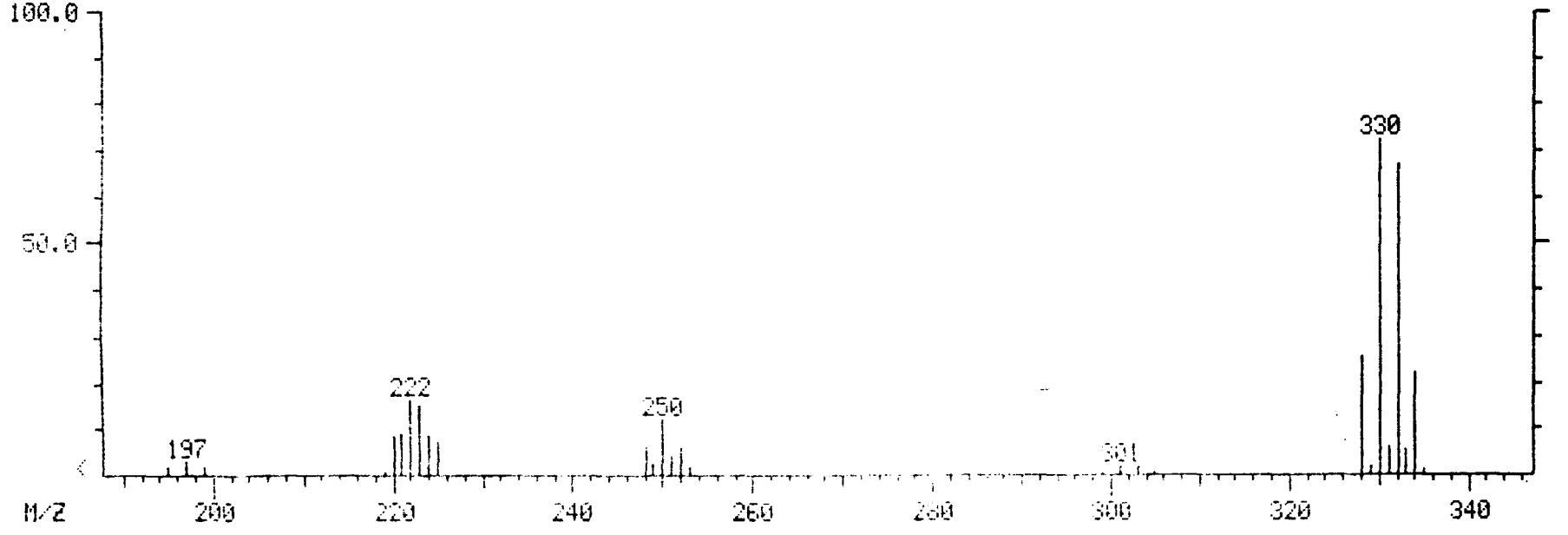
MASS SPECTRUM
04/22/91 10:59:00 + 21:41
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2187
CALI: APR22GK03 #3

BASE M/Z: 62
RIC: 54016.

001791



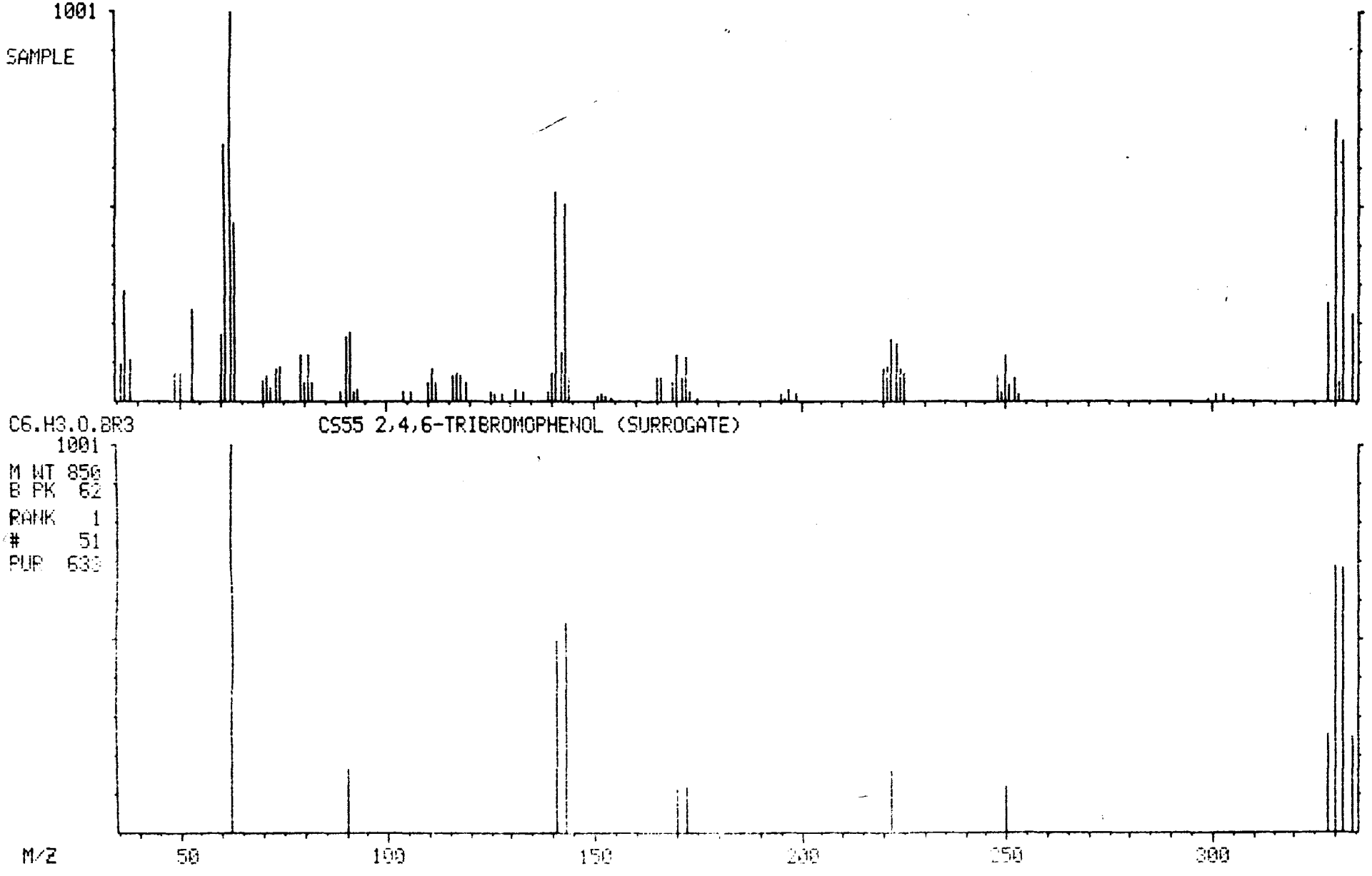


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 21:41
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2187
CALI: APR22GK03 # 3

BASE M/Z: 62
RIC: 51264.

001792

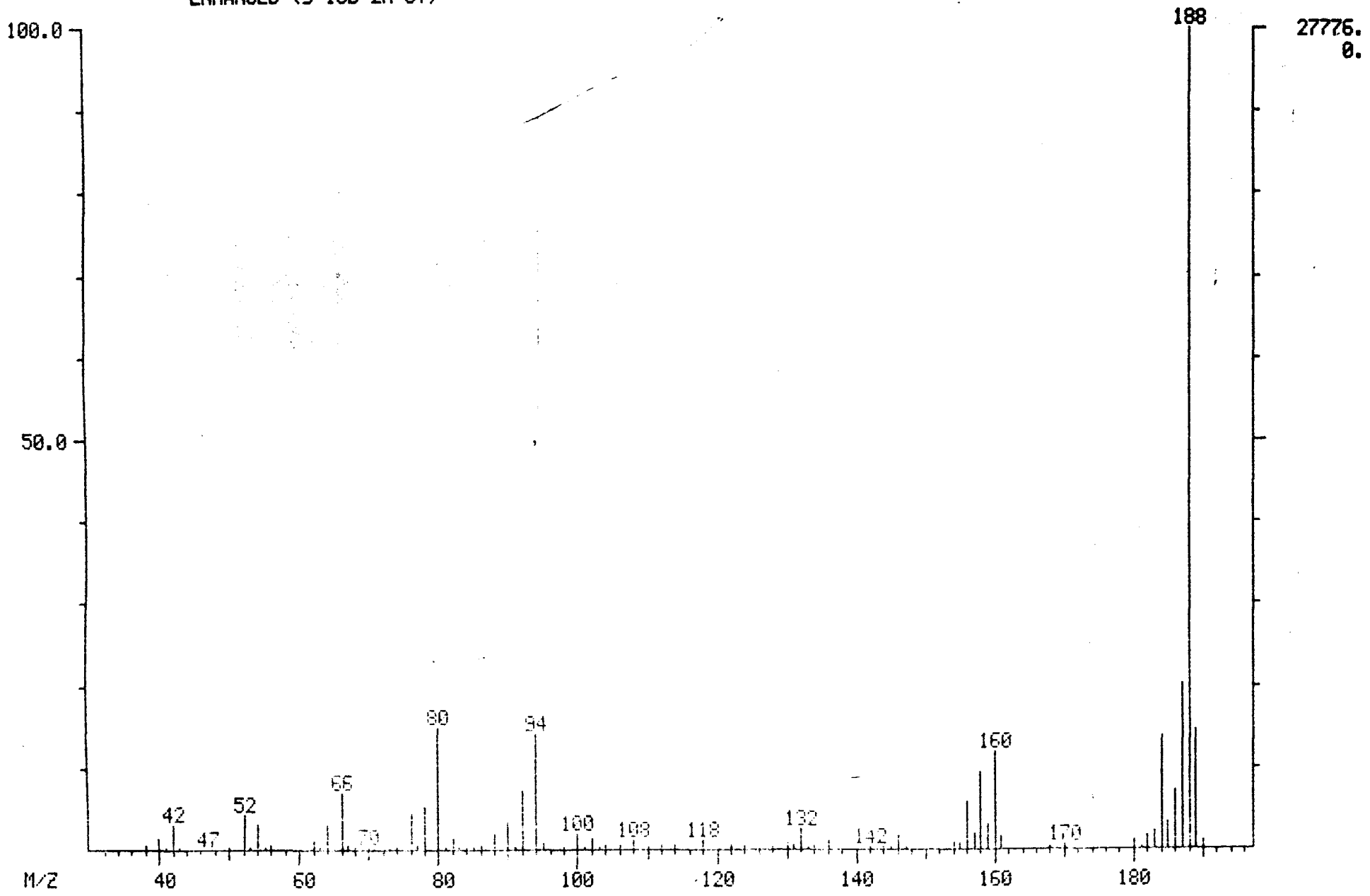


MASS SPECTRUM
04/22/91 10:59:00 + 23:27
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2366
CALI: APR22GK03 #3

BASE M/Z: 188
RIC: 84608.

001793

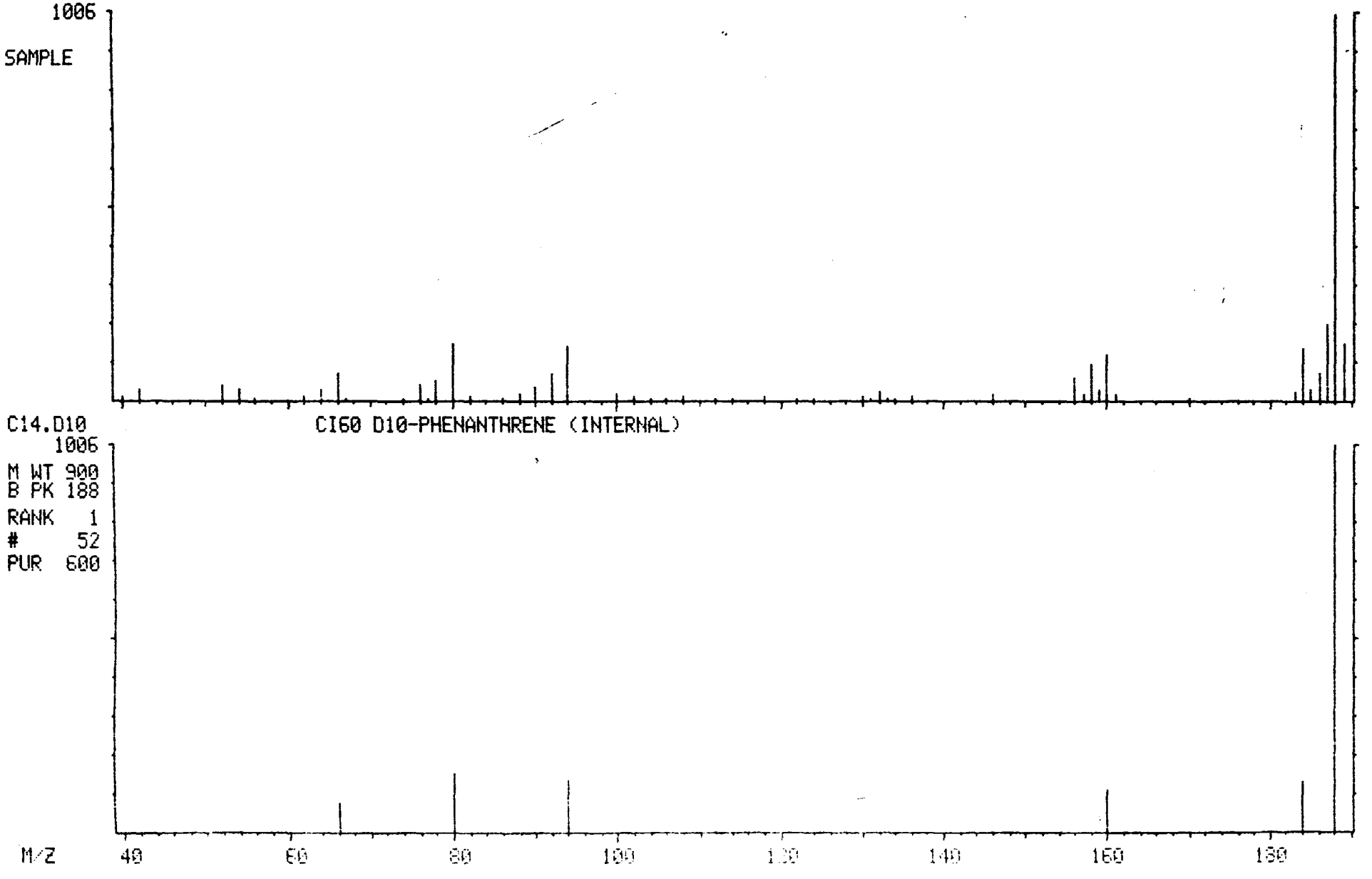


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 23:27
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2366
CALI: APR22GK03 # 3

BASE M/Z: 188
RIC: 80512.

001794

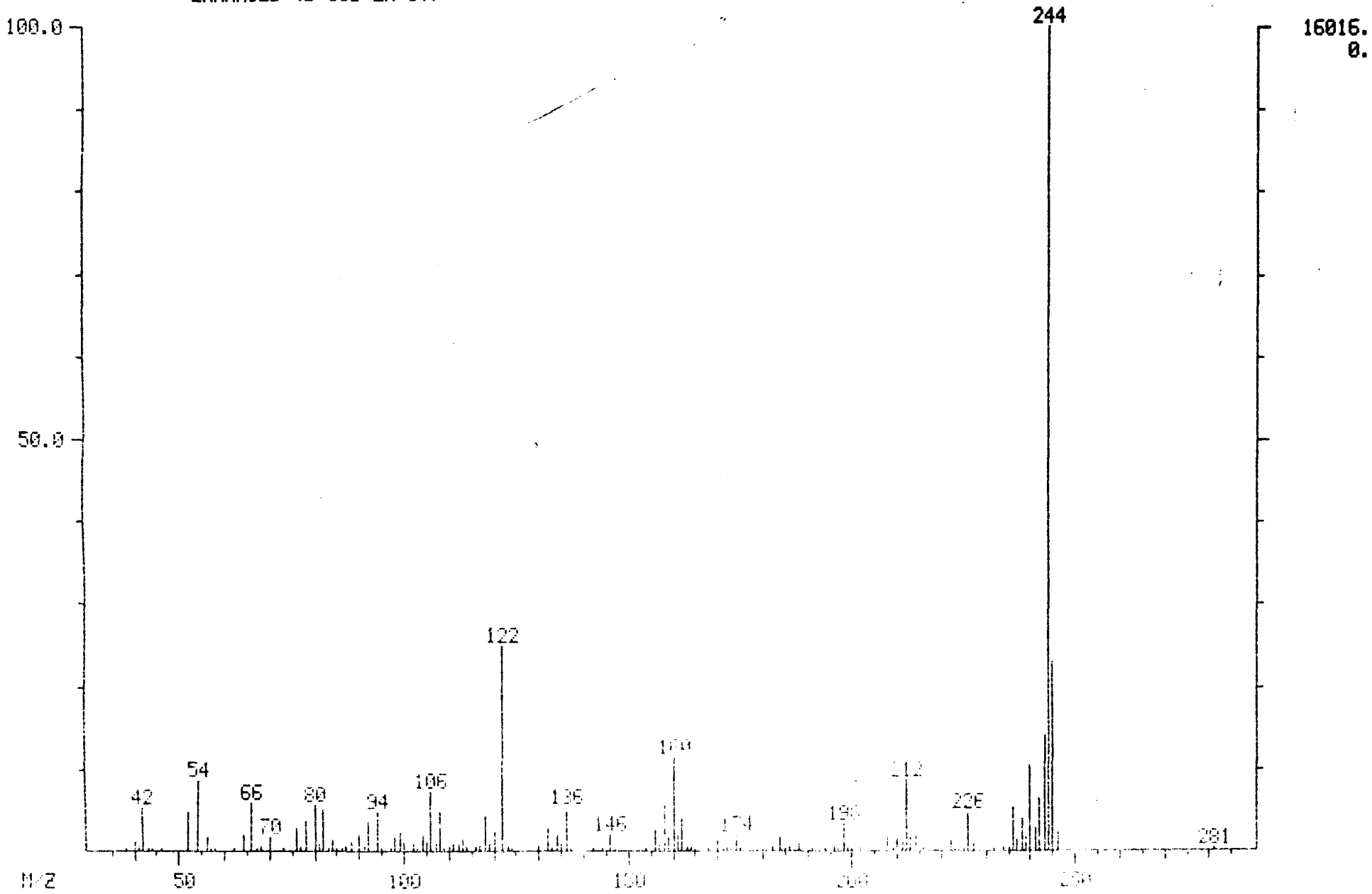


MASS SPECTRUM
04/22/91 10:59:00 + 27:39
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2789
CALI: APR22GK03 #3

BASE M/Z: 244
RIC: 61952.

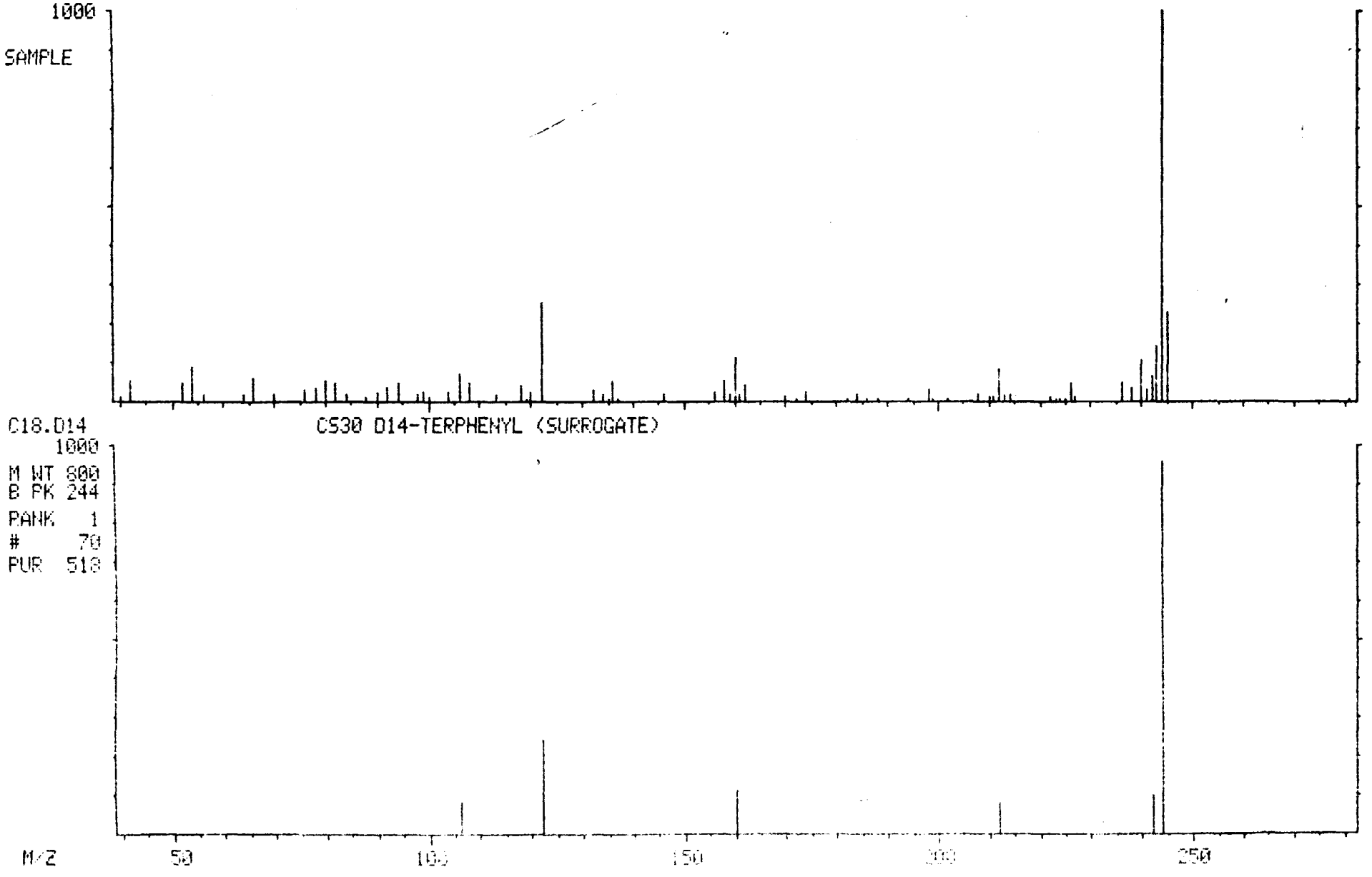
004765



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 27:39
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2789
CALI: APR22GK03 # 3

BASE M/Z: 244
RIC: 56832.

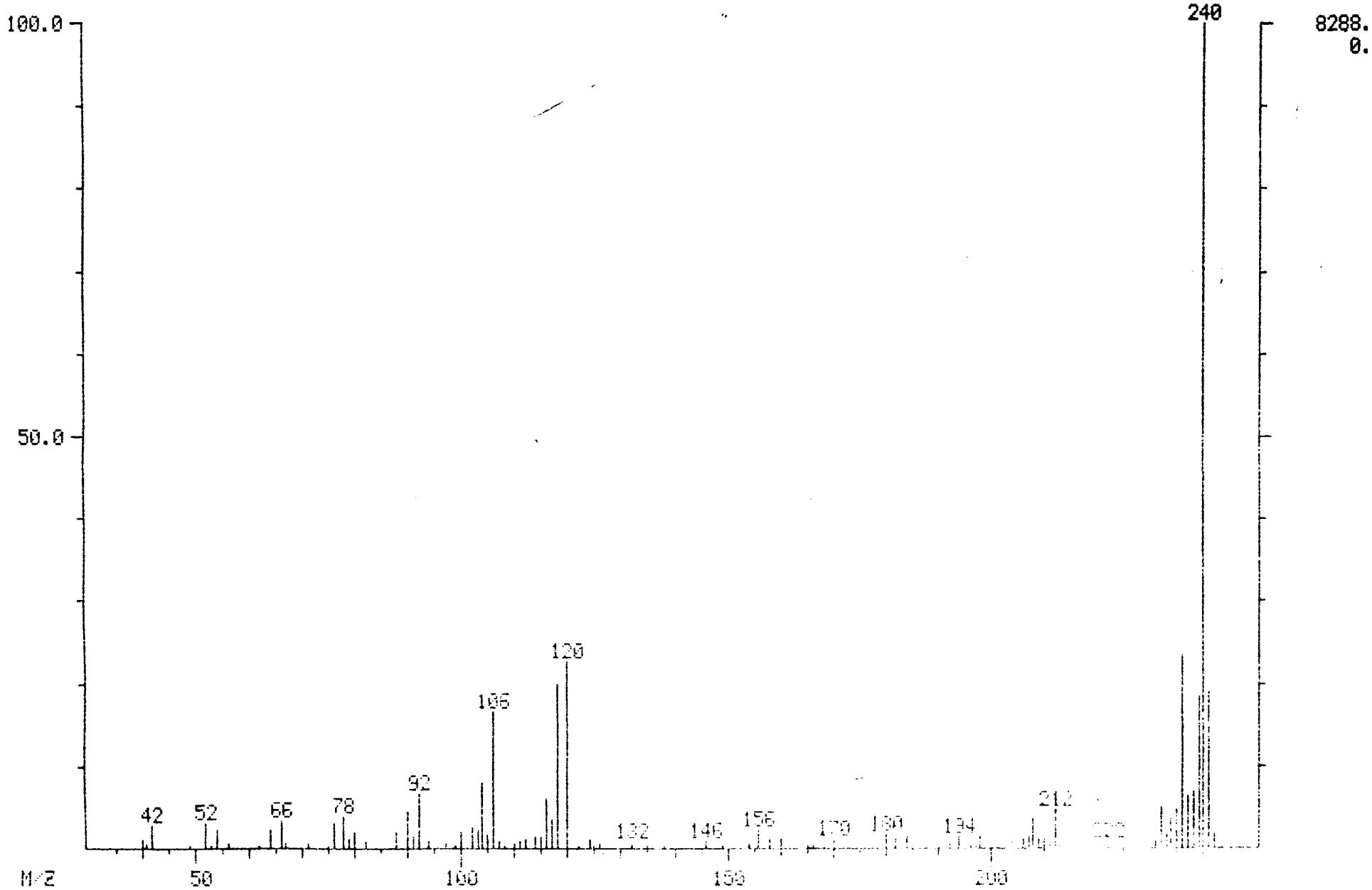


MASS SPECTRUM
04/22/91 10:59:00 + 31:15
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3152
CALI: APR22GK03 #3

BASE M/Z: 240
RIC: 30656.

001797

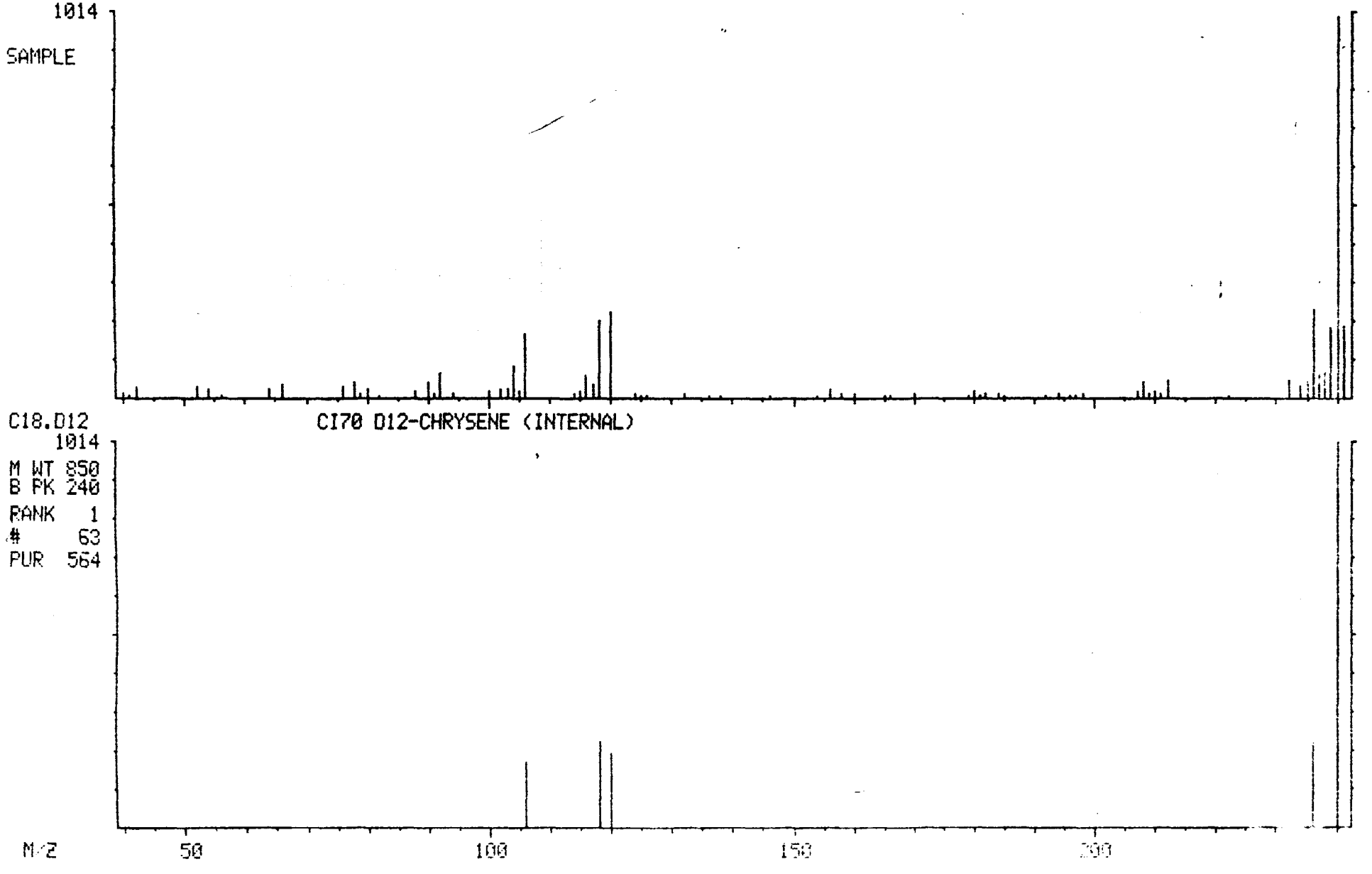


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 31:15
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3152
CALI: APR22GK03 # 3

BASE M/Z: 240
RIC: 29344.

001758

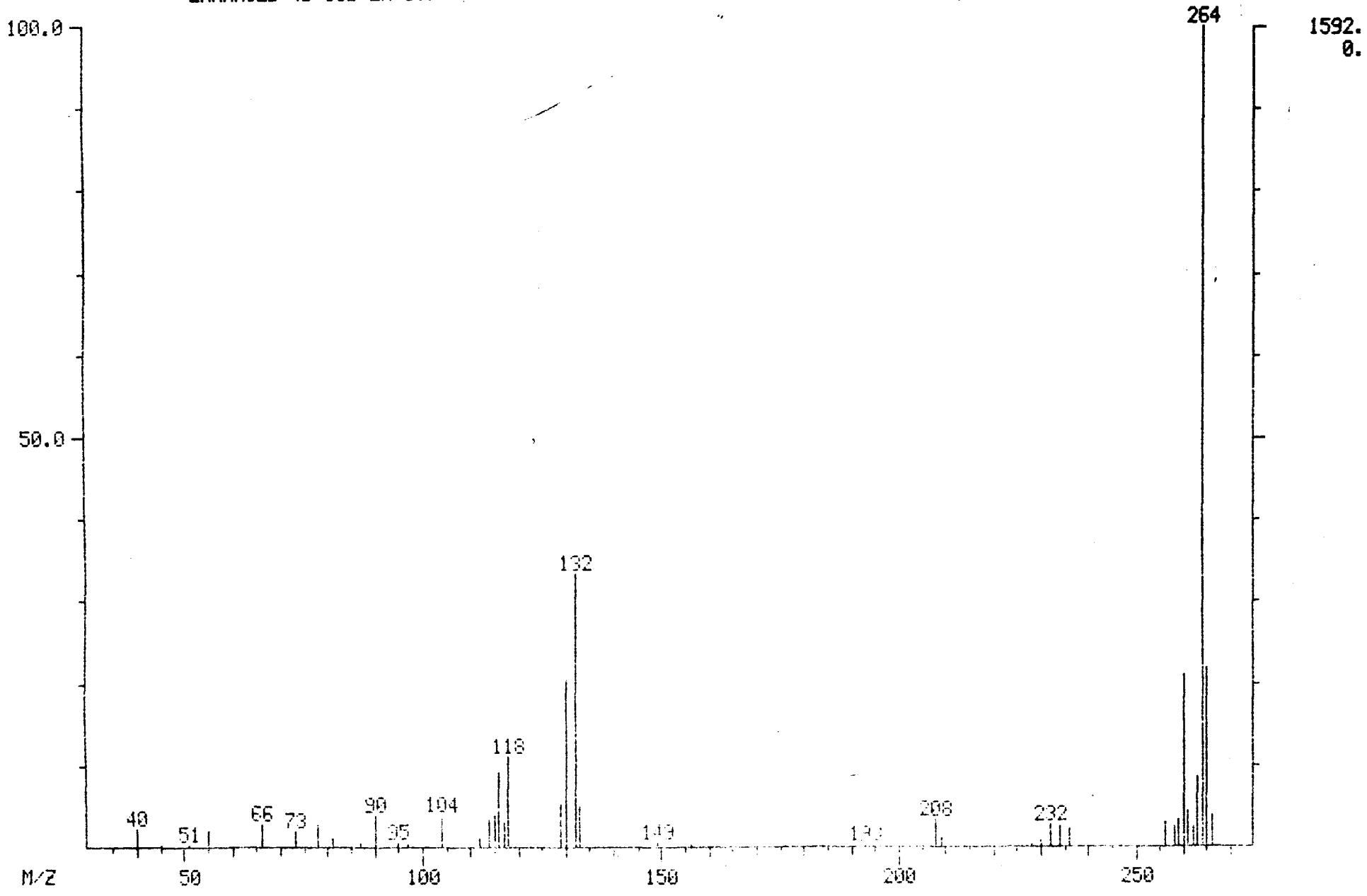


MASS SPECTRUM
04/22/91 10:59:00 + 40:27
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #4081
CALI: APR22GK03 #3

BASE M/Z: 264
RIC: 4832.

001799

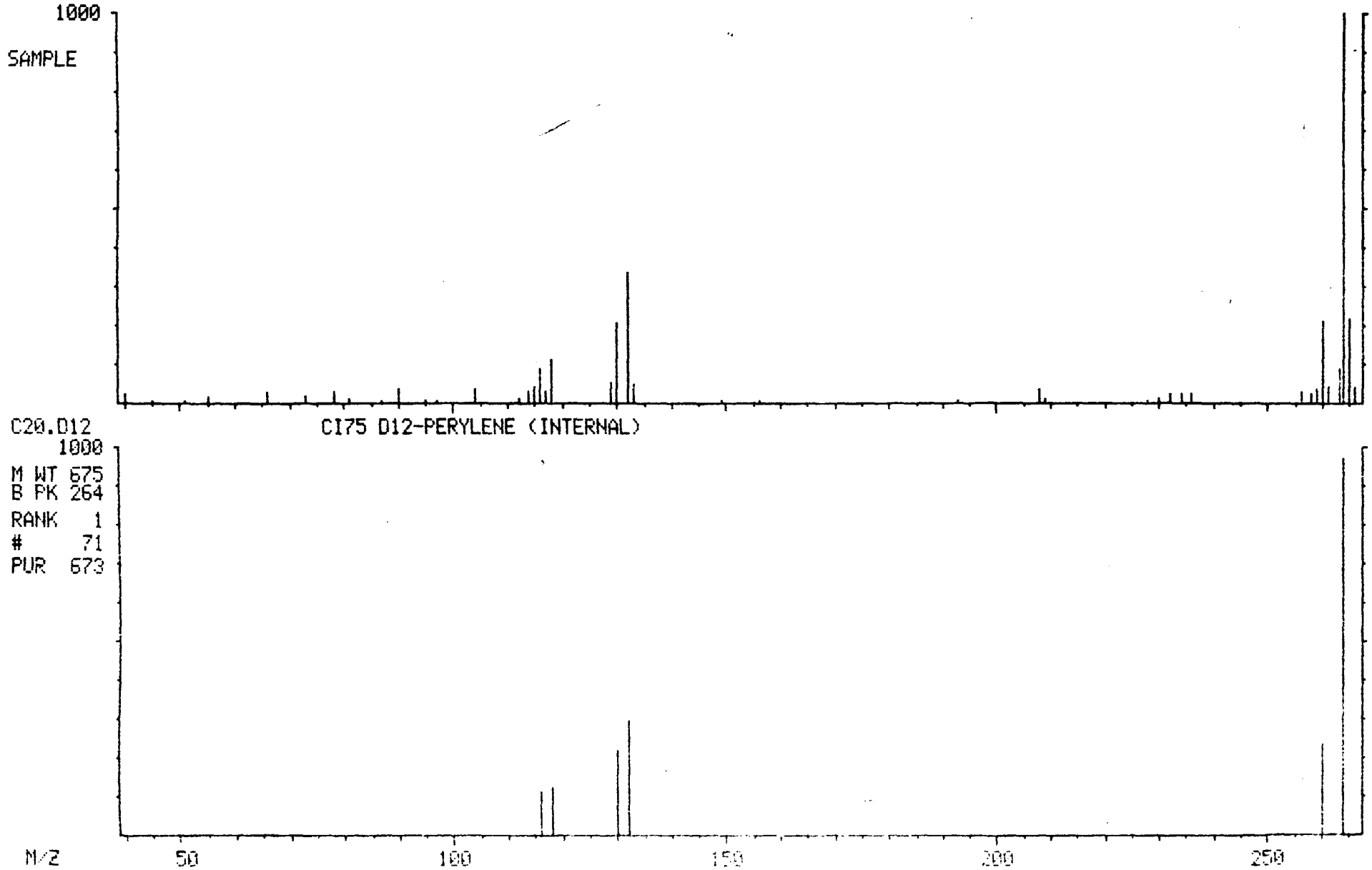


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 10:59:00 + 40:27
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #4081
CALI: APR22GK03 # 3

BASE M/Z: 264
RIC: 4792.

C01800



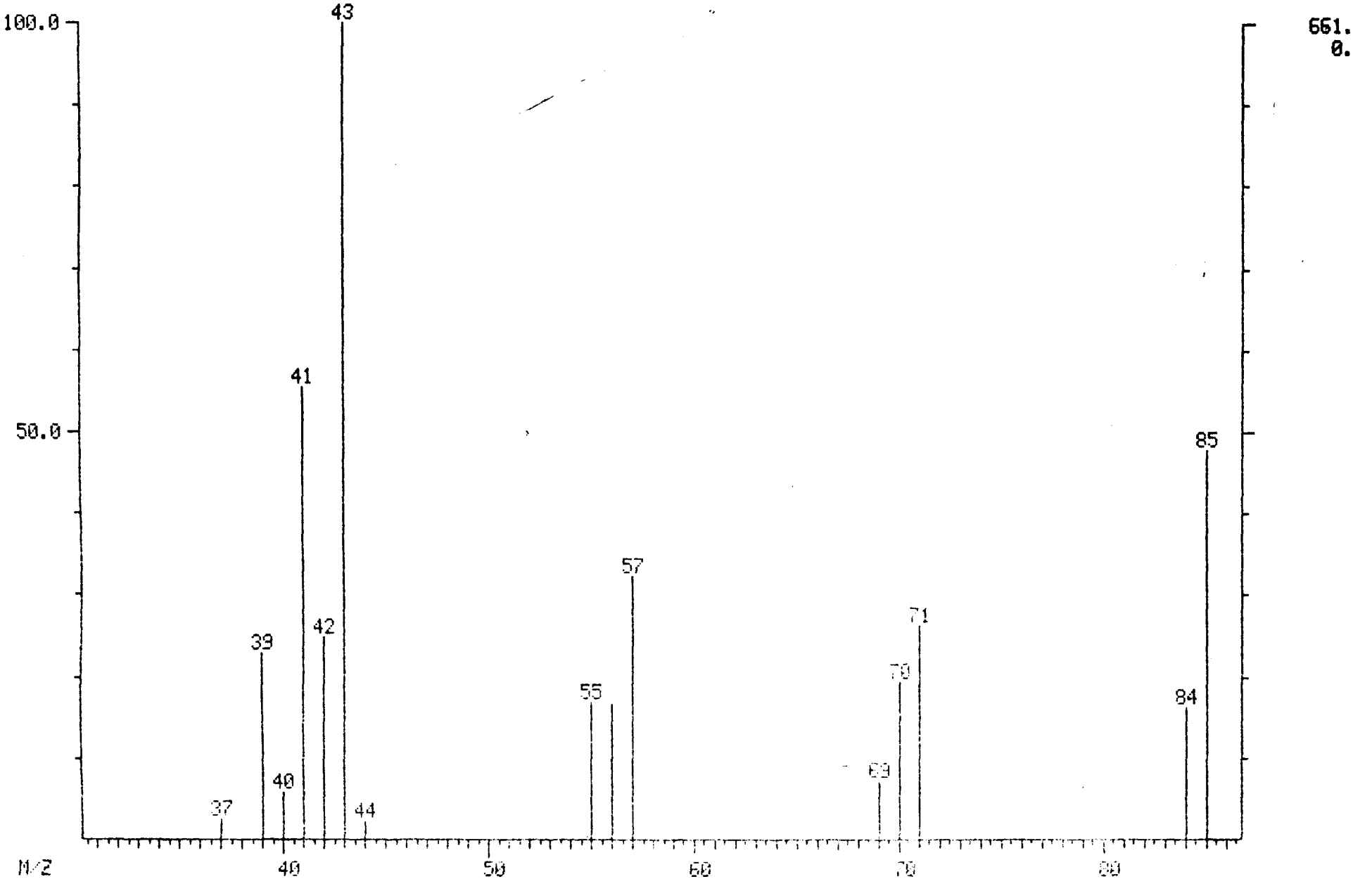
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 10:59:00 + 7:42
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 77 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #777
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 2624.

001802

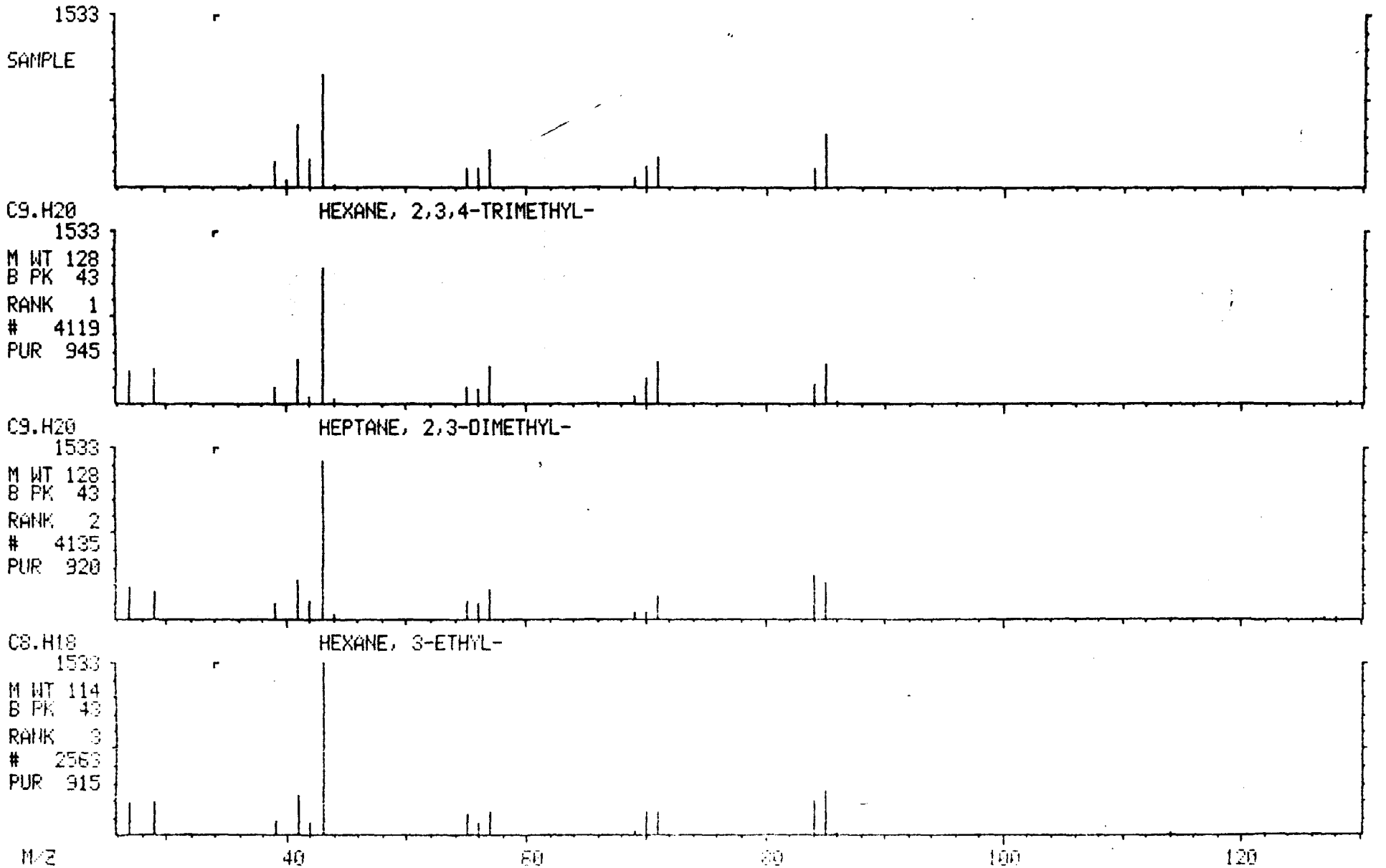


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 7:42
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 # 777
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 2624.

001803

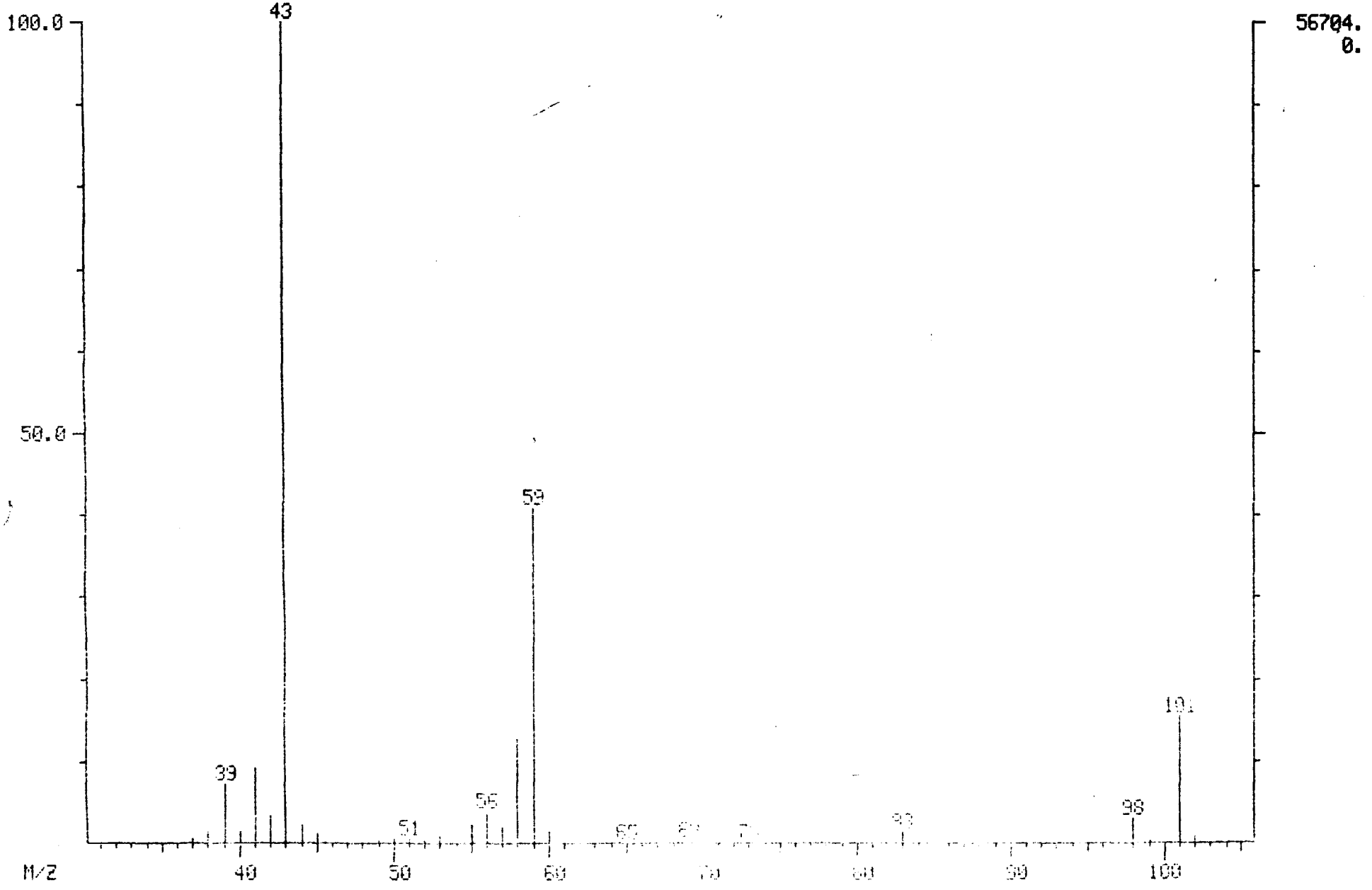


MASS SPECTRUM
04/22/91 10:59:00 + 8:09
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #822
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 121600.

001804

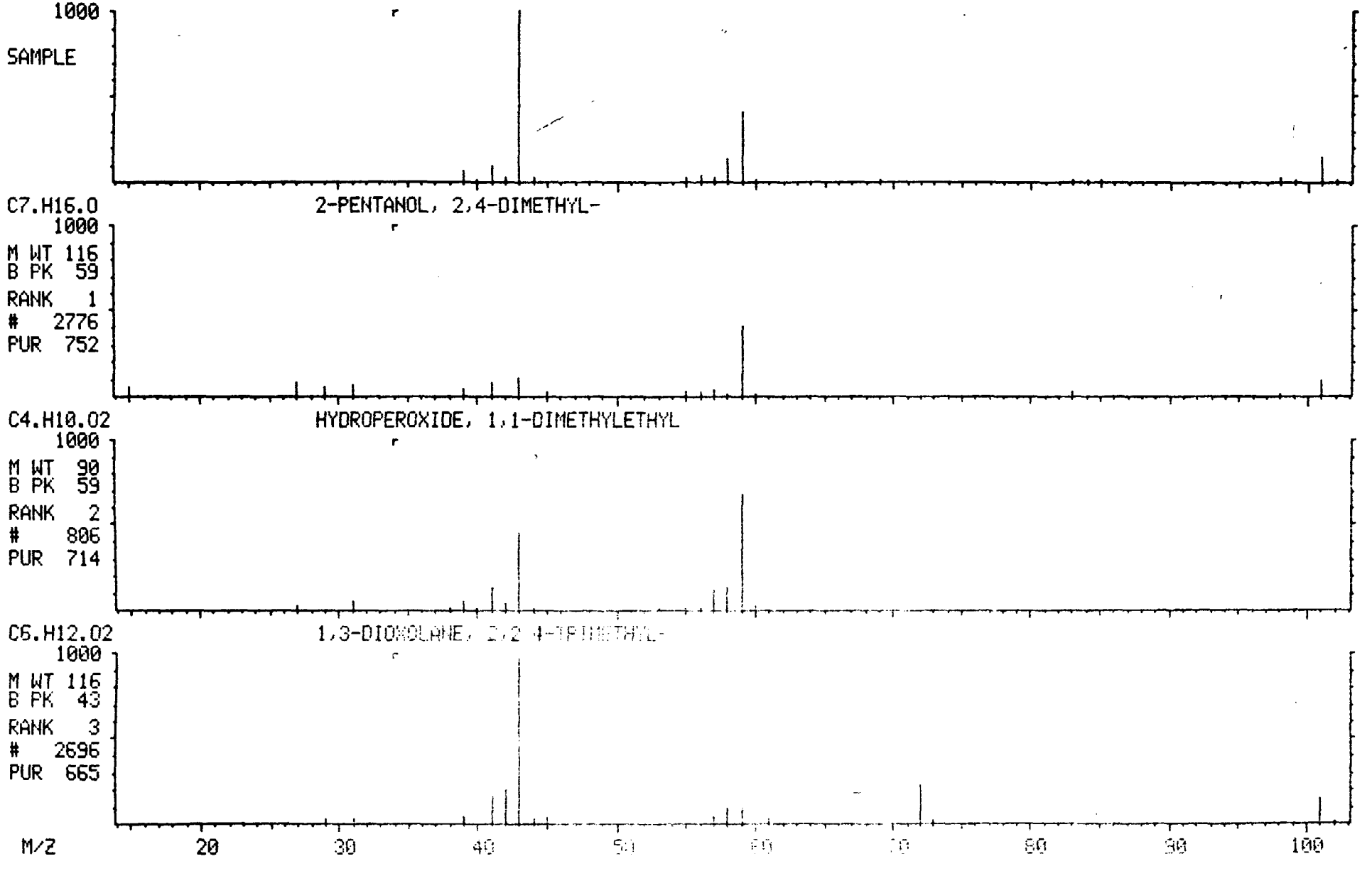


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 8:09
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 # 822
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 118144.

001805

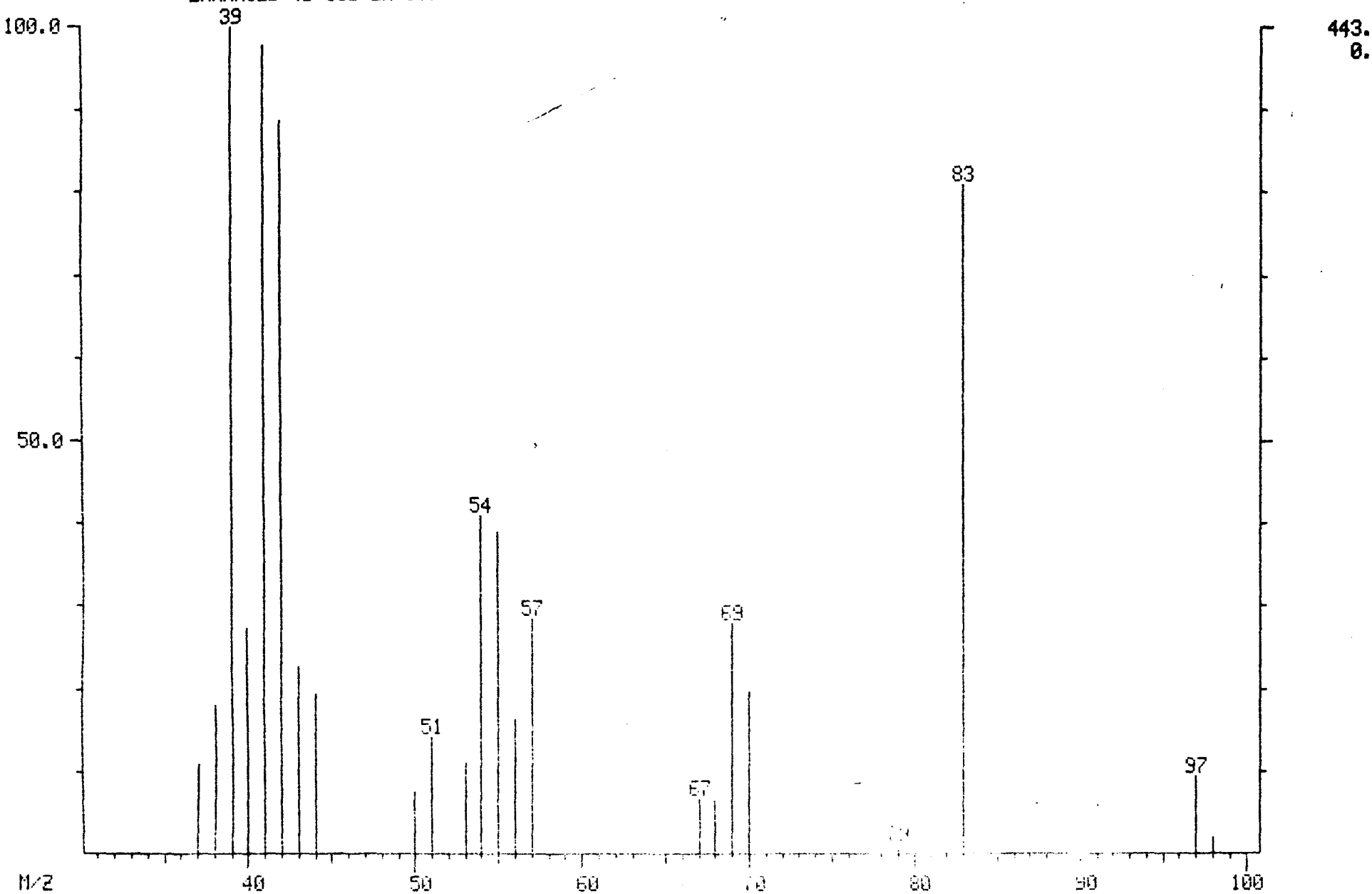


MASS SPECTRUM
04/22/91 10:59:00 + 8:34
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #865
CALI: APR22GK03 #3

BASE M/Z: 39
RIC: 3088.

001806

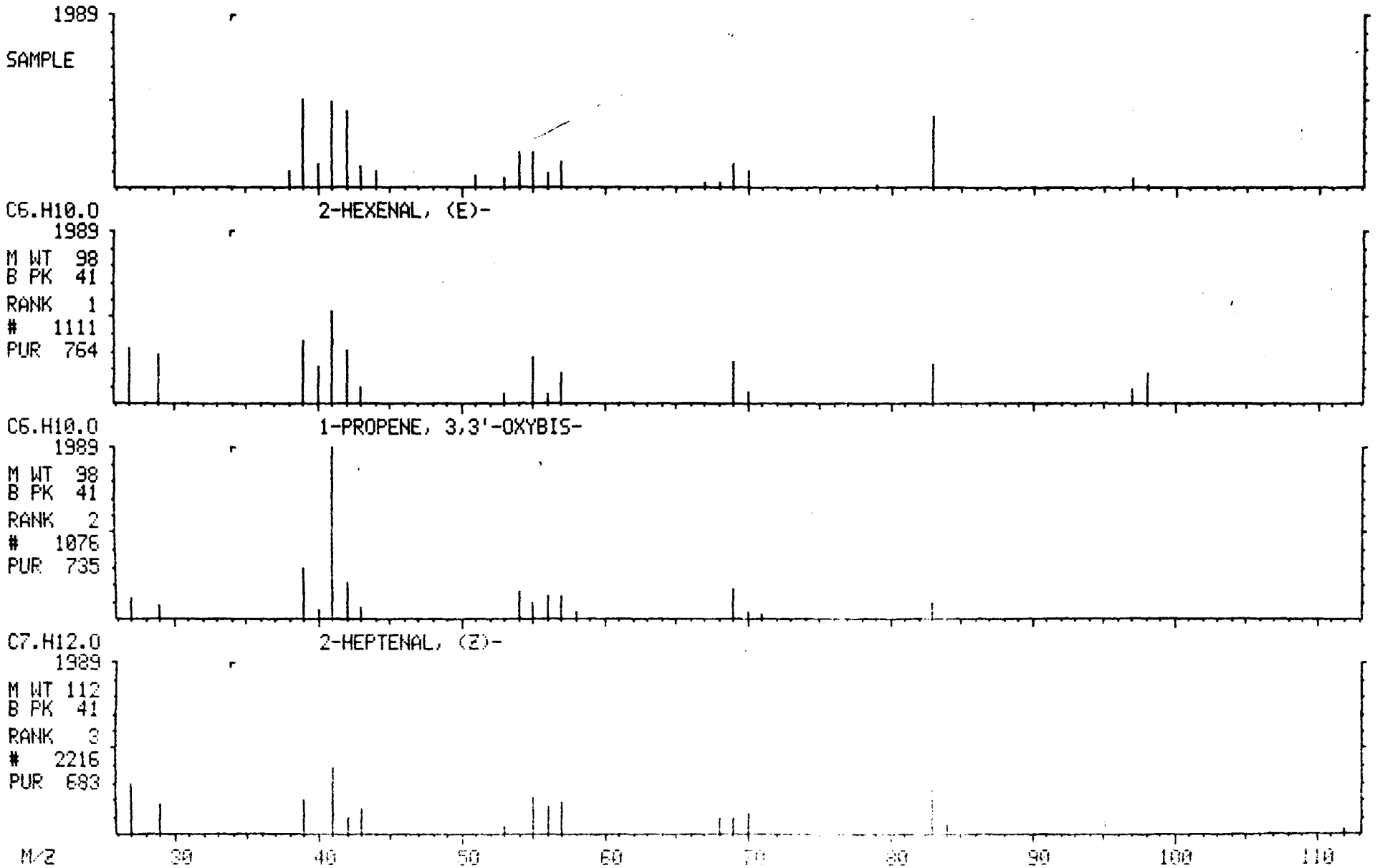


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 8:34
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 # 865
CALI: APR22GK03 # 3

BASE M/Z: 39
RIC: 3008.

001807

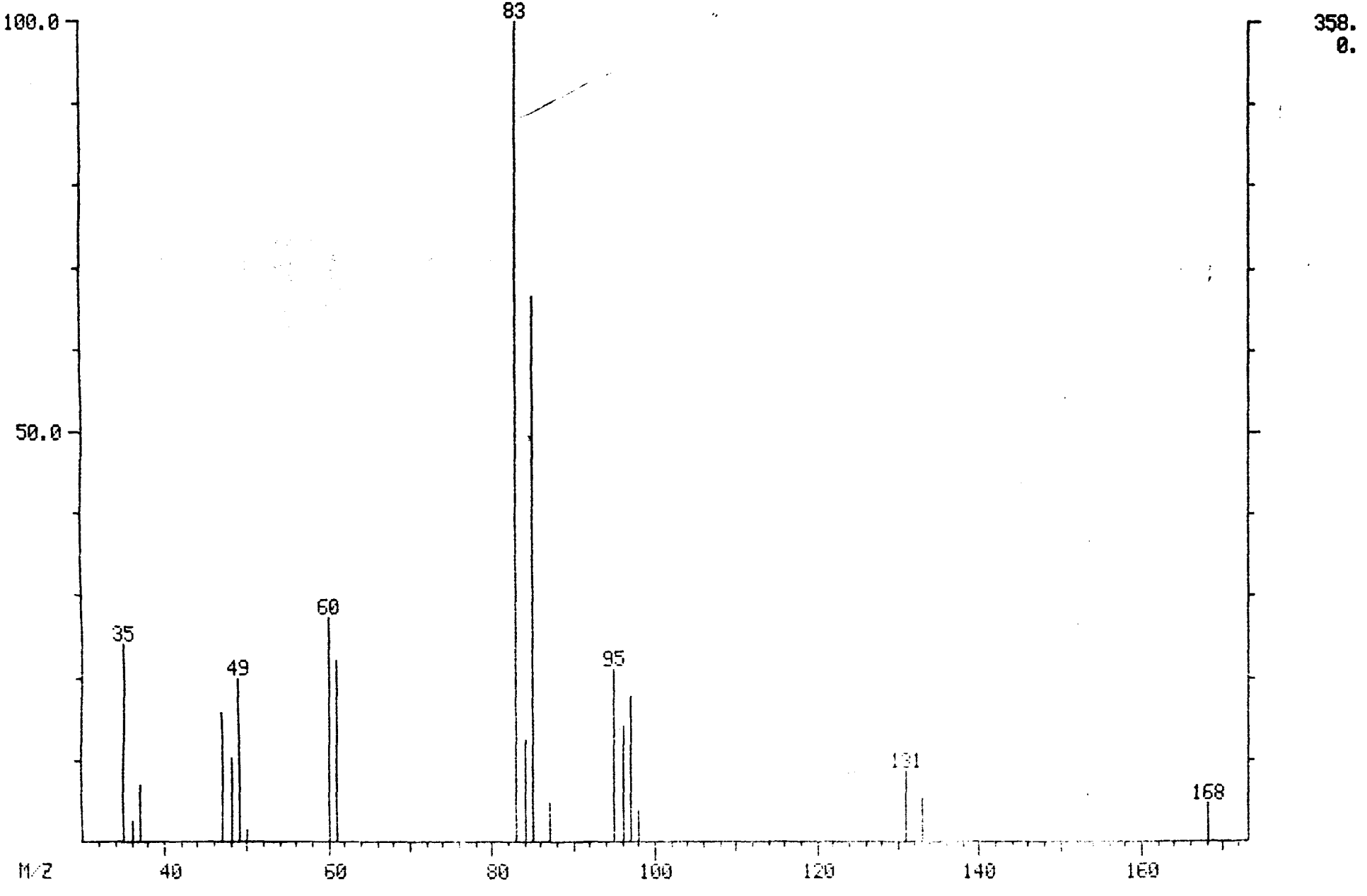


MASS SPECTRUM
04/22/91 10:59:00 + 9:48
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #988
CALI: APR22GK03 #3

BASE M/Z: 83
RIC: 1400.

001868

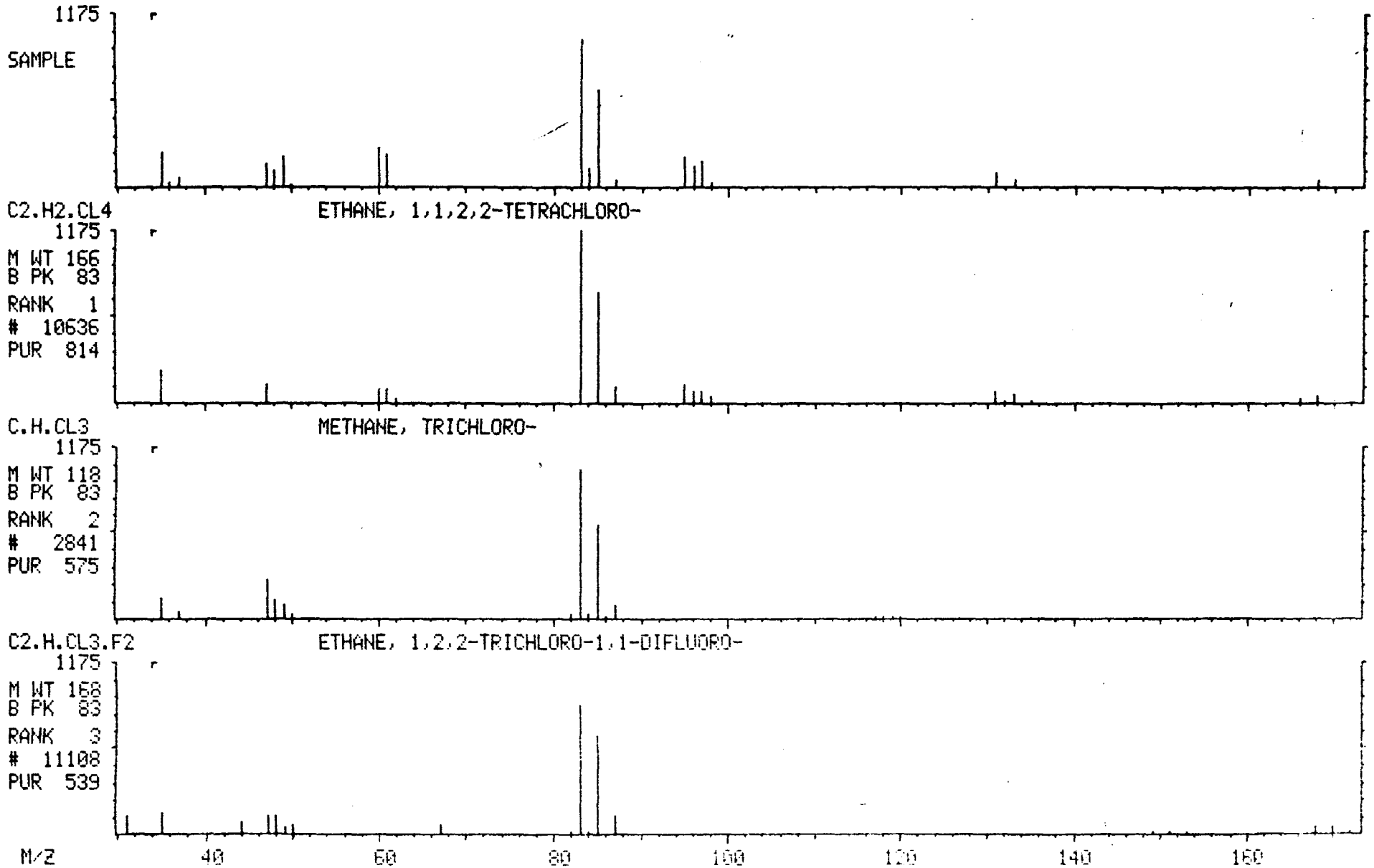


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 9:48
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 # 988
CALI: APR22GK03 # 3

BASE M/Z: 83
RIC: 1400.

001809

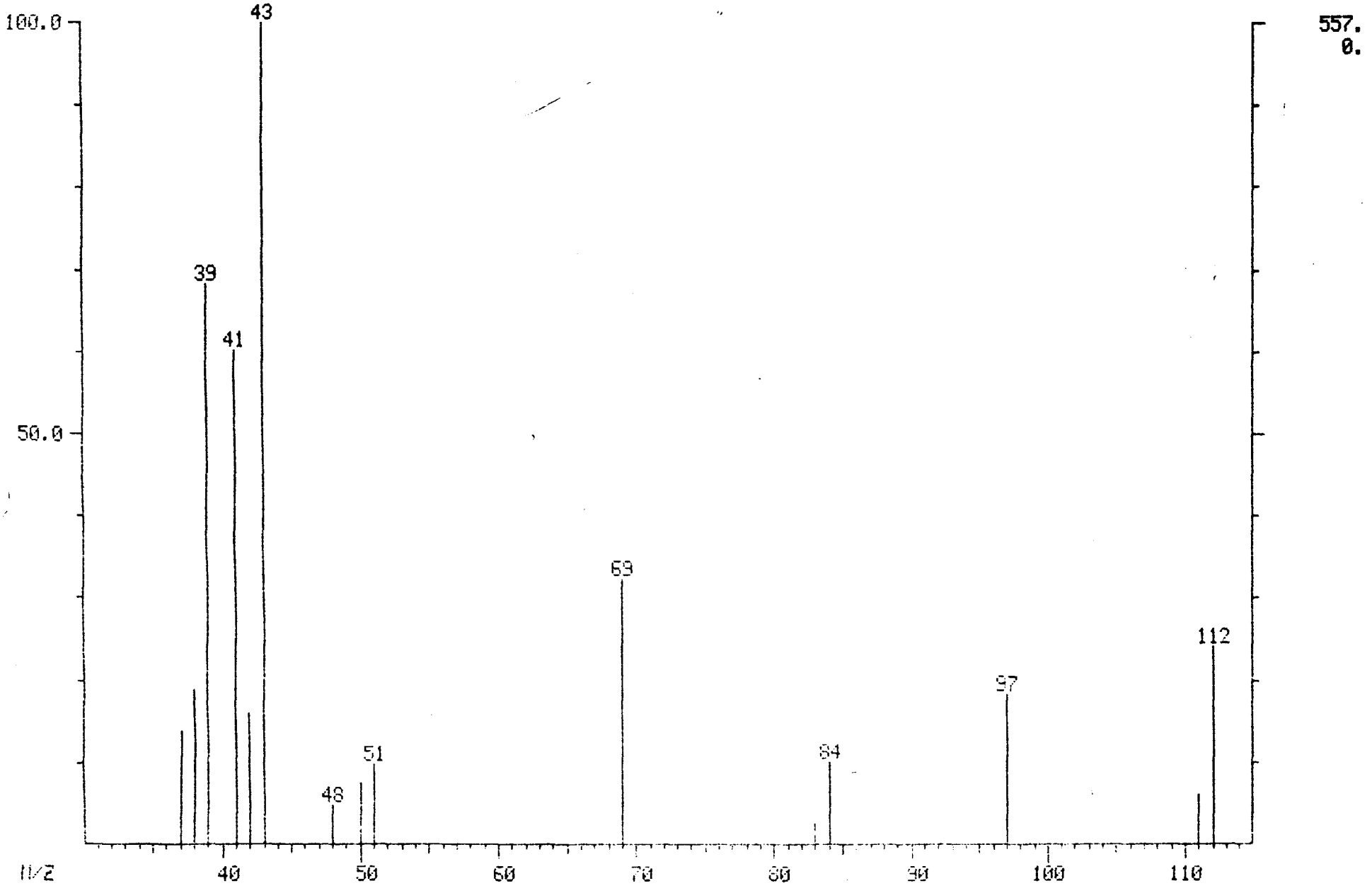


001810

MASS SPECTRUM
04/22/91 10:59:00 + 10:11
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1028
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 2188.

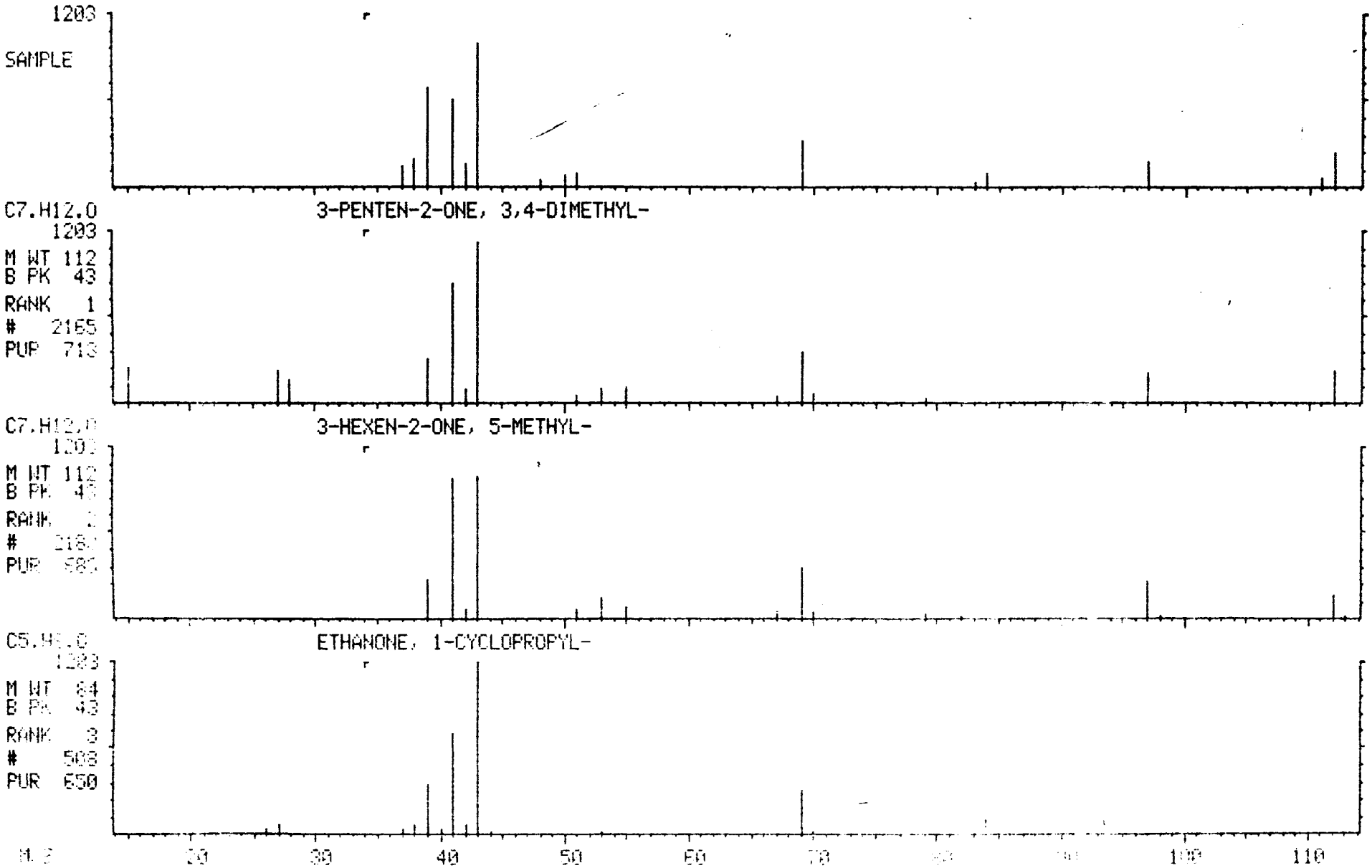


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 10:11
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1028
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 2188.

001811

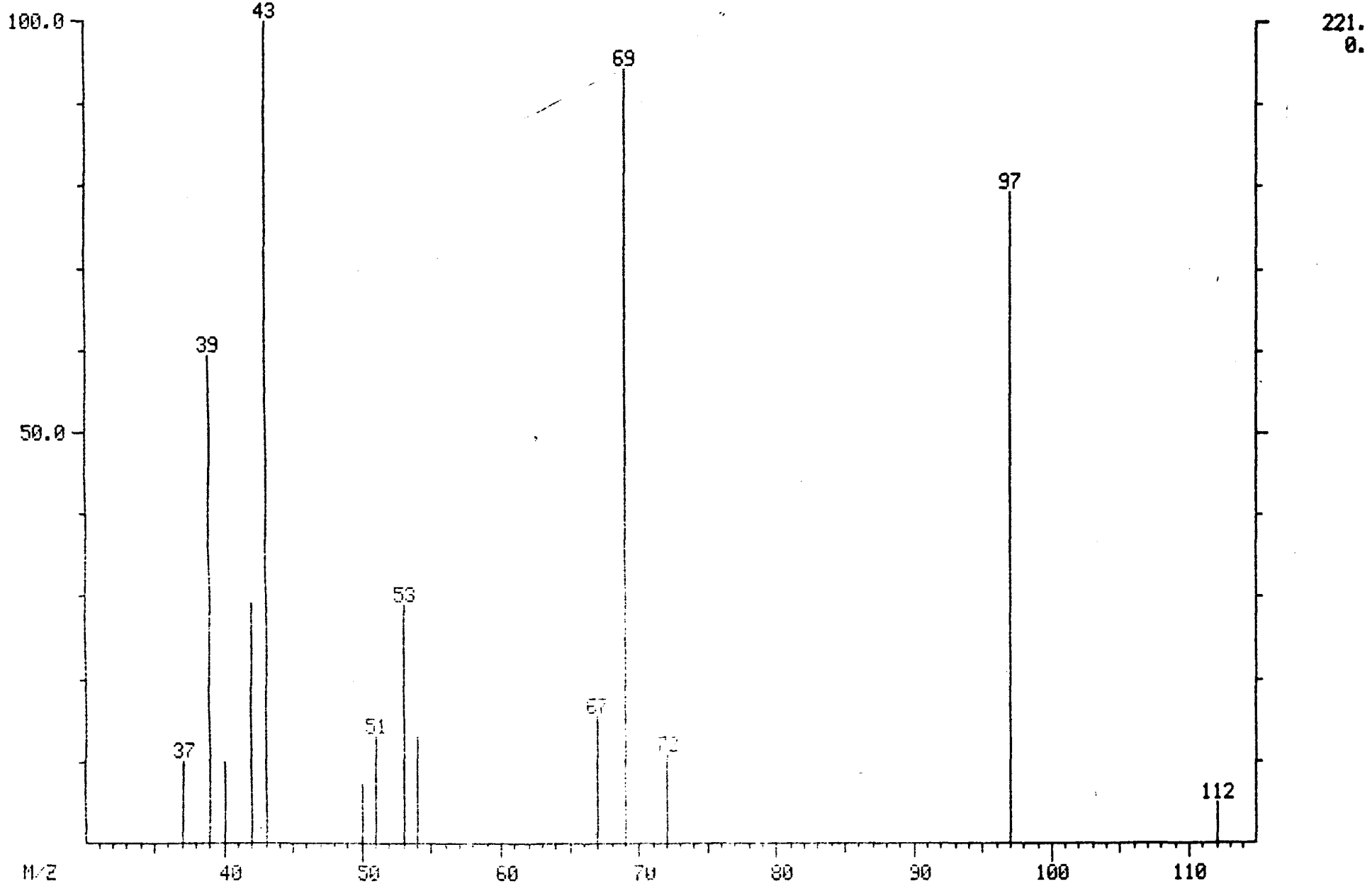


MASS SPECTRUM
04/22/91 10:59:00 + 10:35
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1068
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 1052.

001812

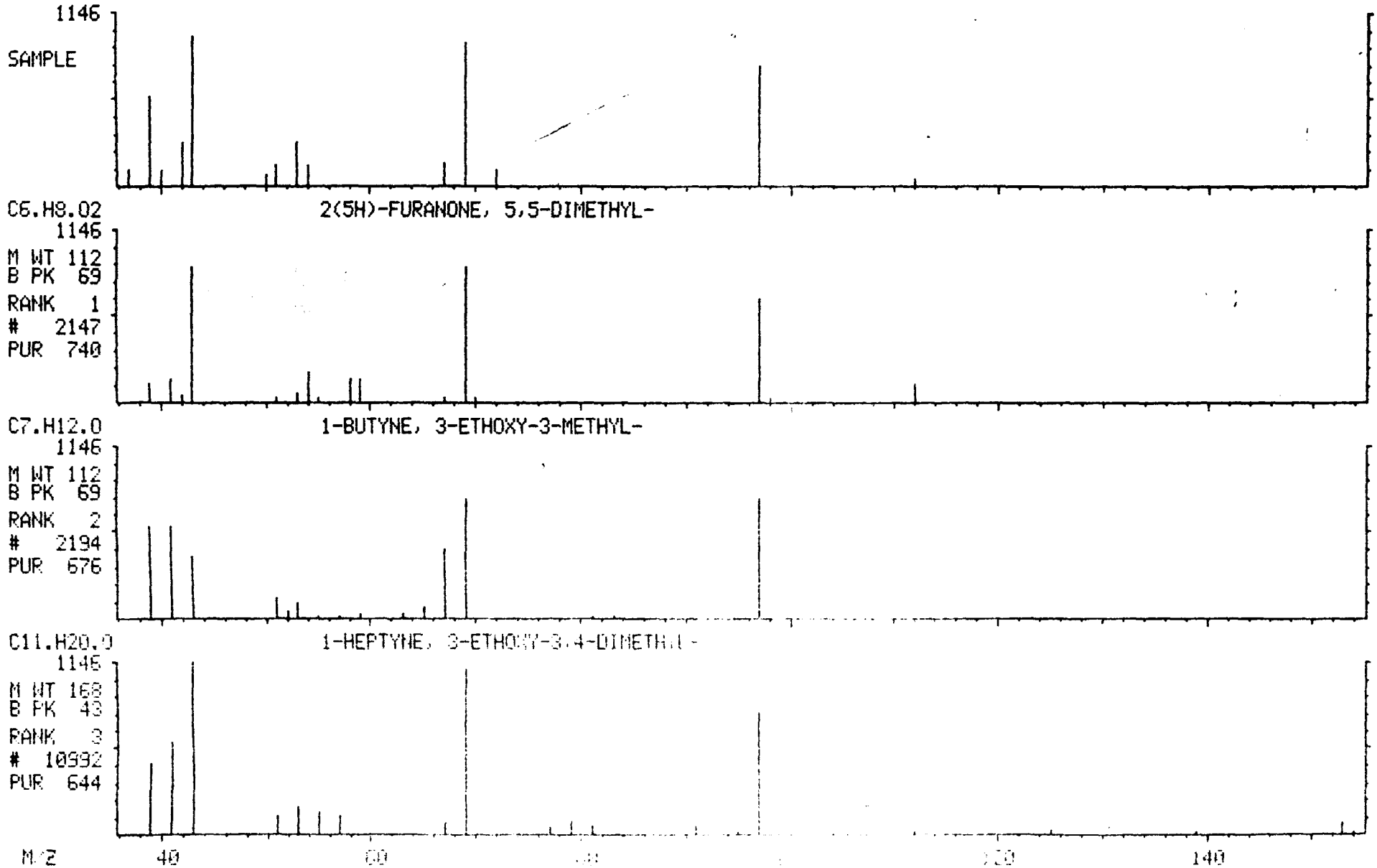


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 10:35
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1068
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 1052.

001813

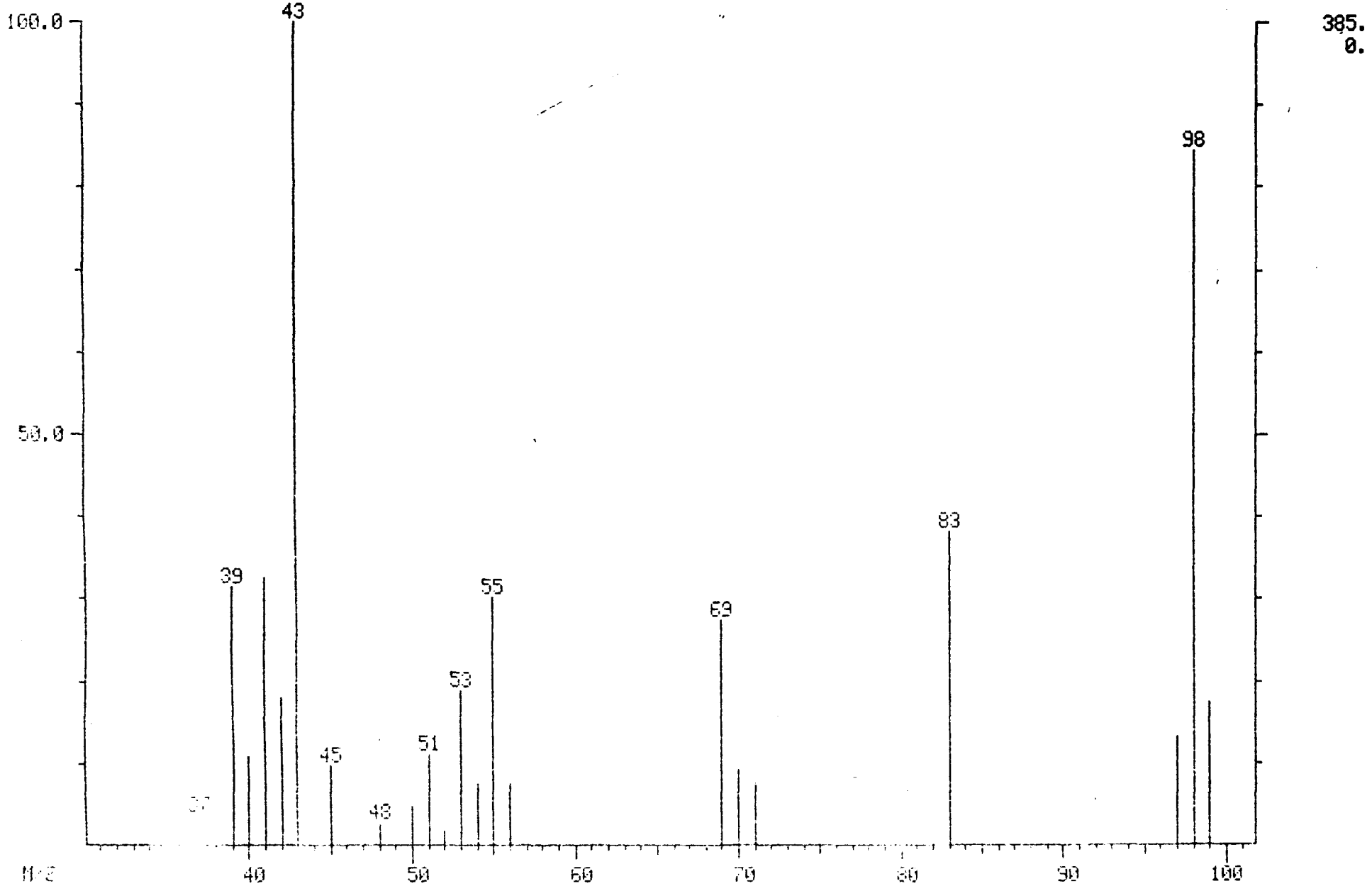


MASS SPECTRUM
04/22/91 10:59:00 + 11:14
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1134
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 1884.

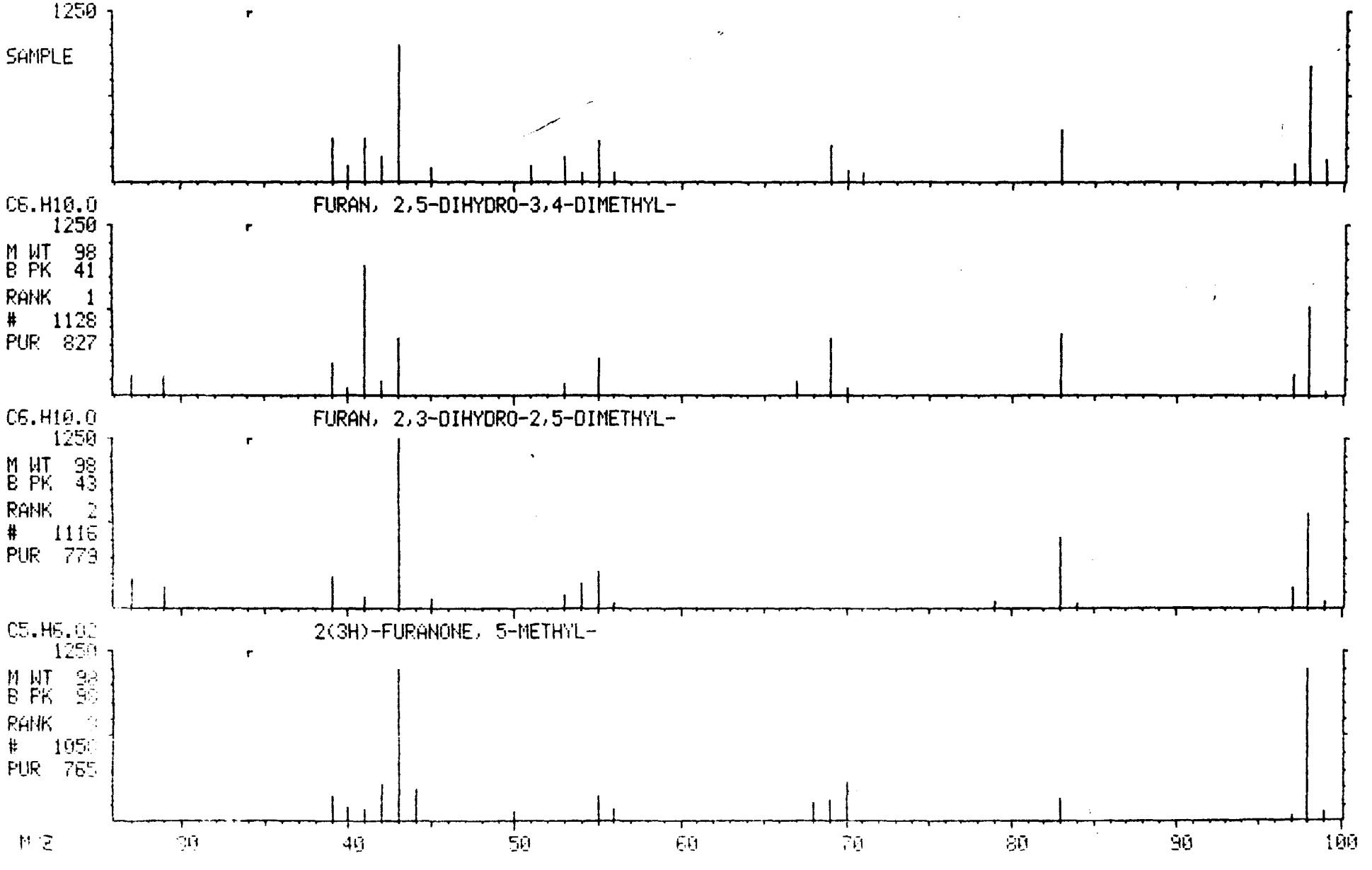
C01814



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 11:14
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1134
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 1836.



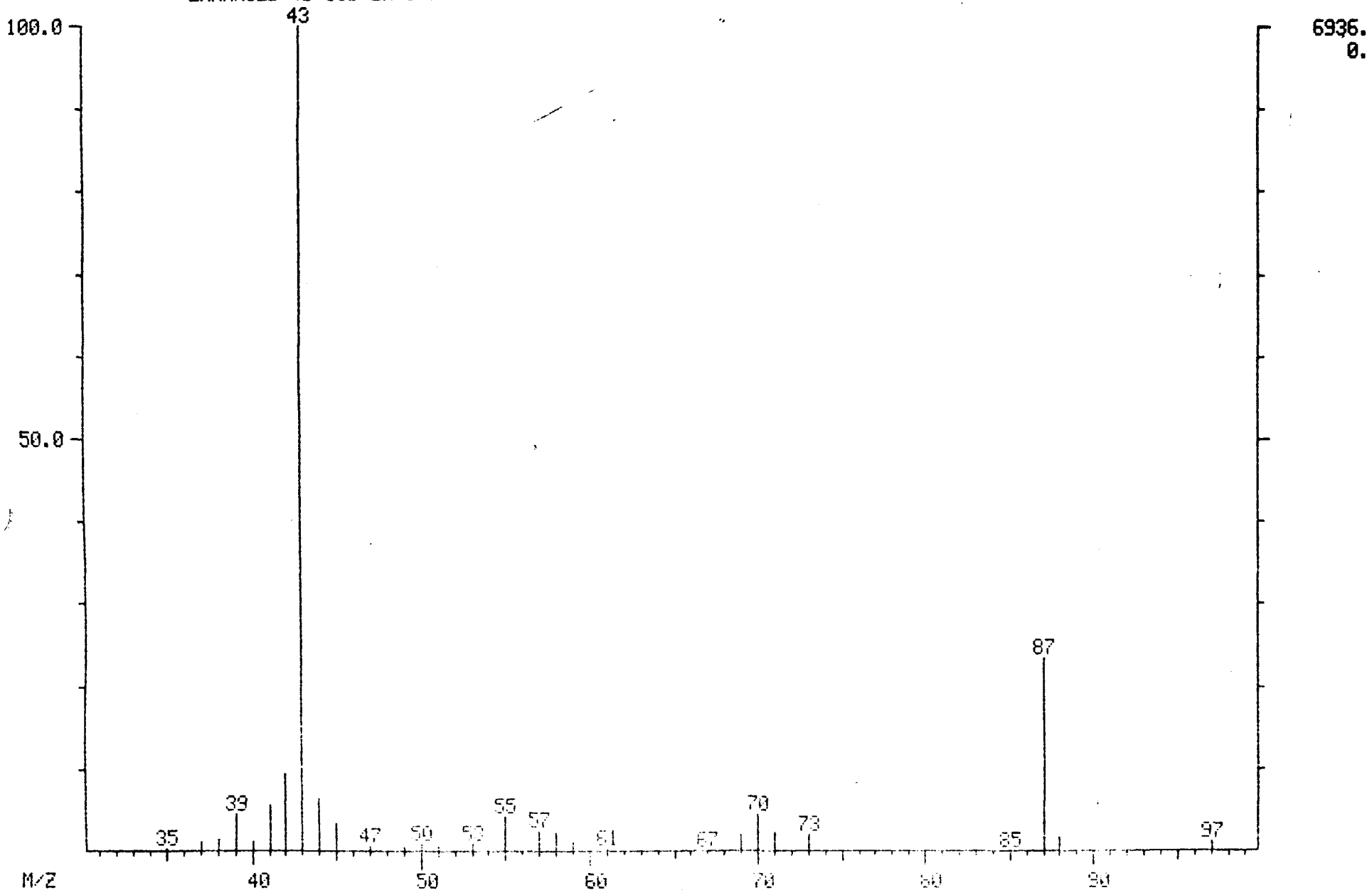
001815

001816

MASS SPECTRUM
04/22/91 10:59:00 + 11:41
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1178
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 12688.

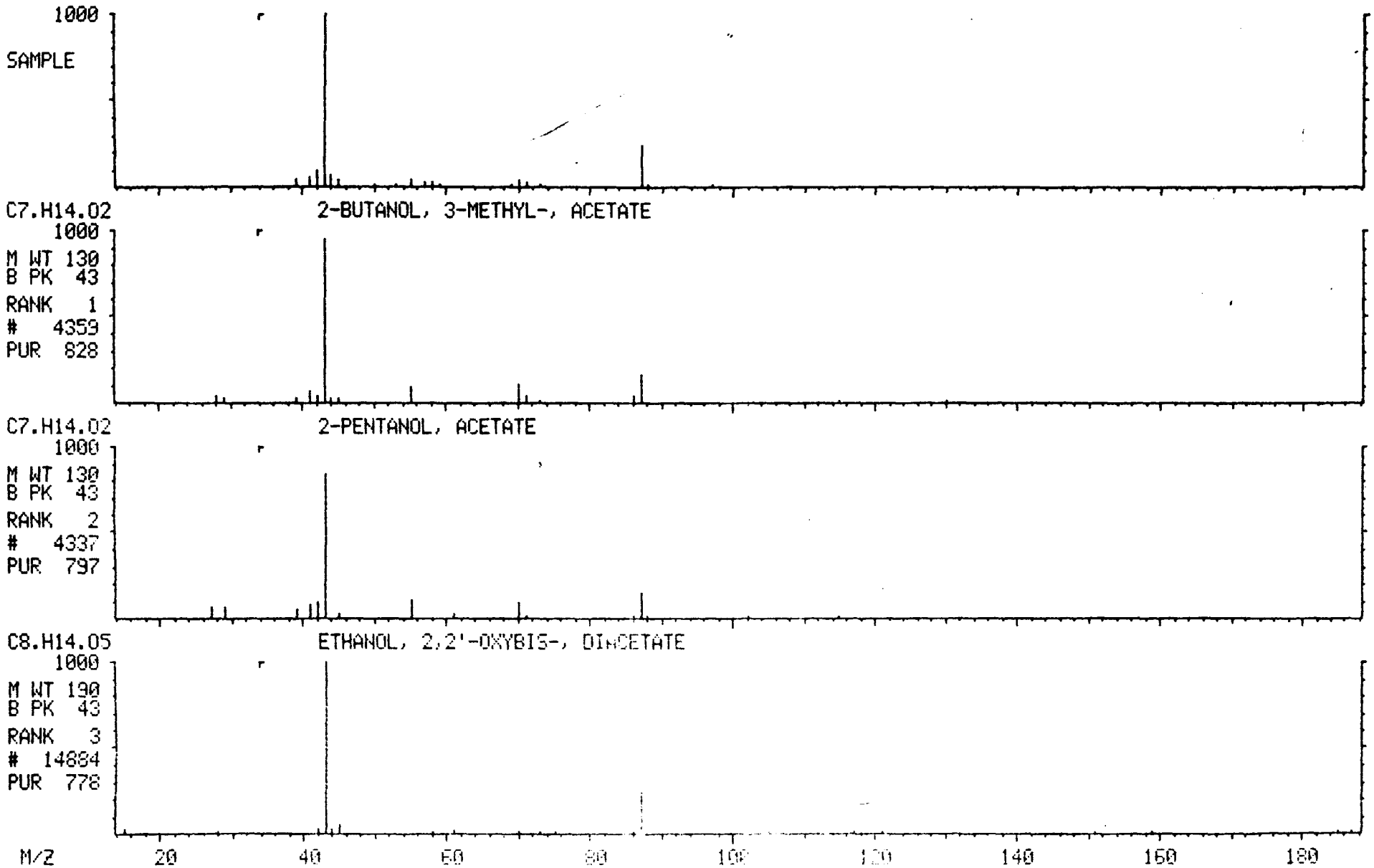


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 11:41
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1178
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 12304.

001817

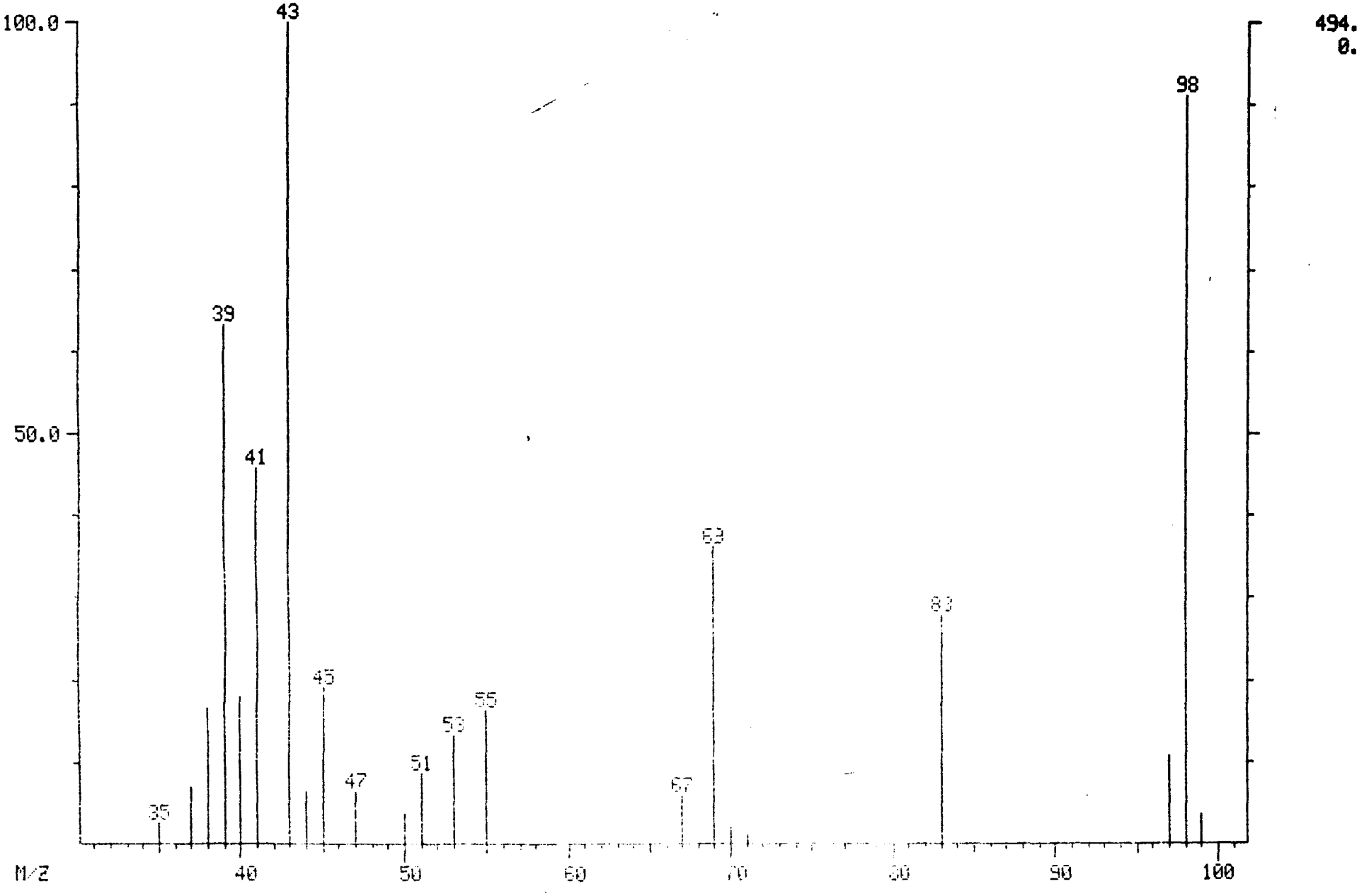


001818

MASS SPECTRUM
04/22/91 10:59:00 + 12:09
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 122 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1226
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 2508.

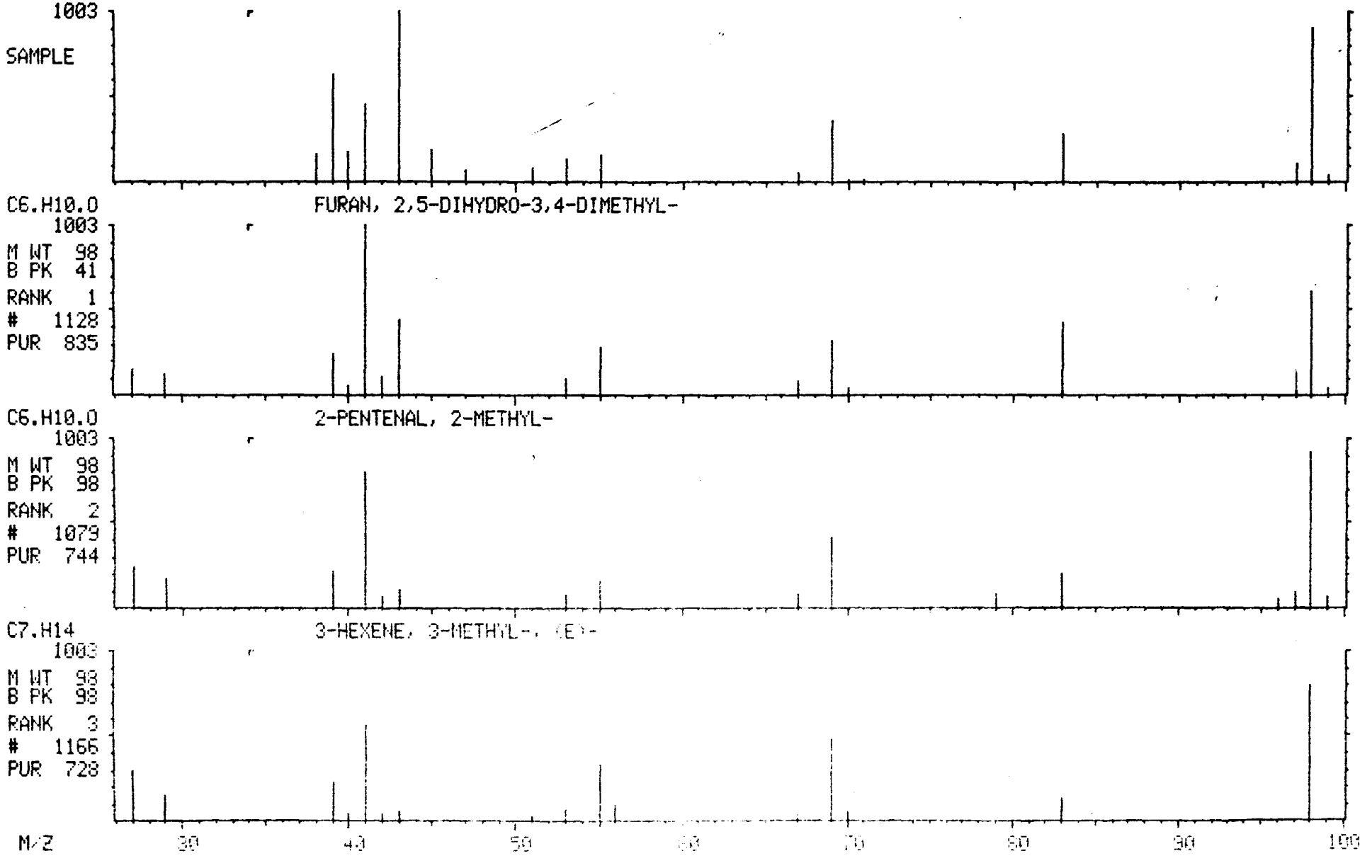


001819

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 12:09
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1226
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 2408.

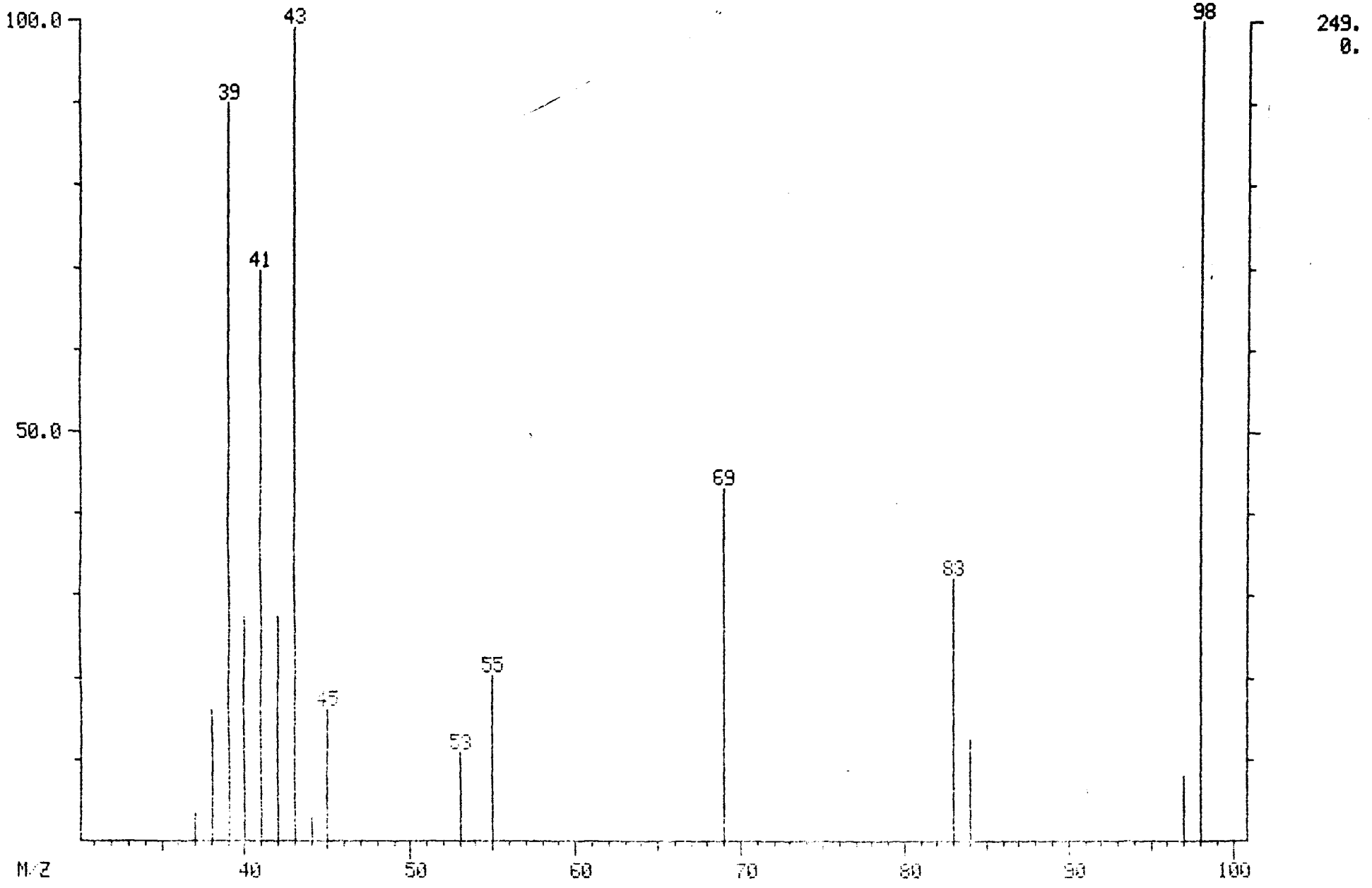


001820

MASS SPECTRUM
04/22/91 10:59:00 + 12:28
SAMPLE: 90307 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 125 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1258
CALI: APR22GK03 #3

BASE M/Z: 98
RIC: 1442.

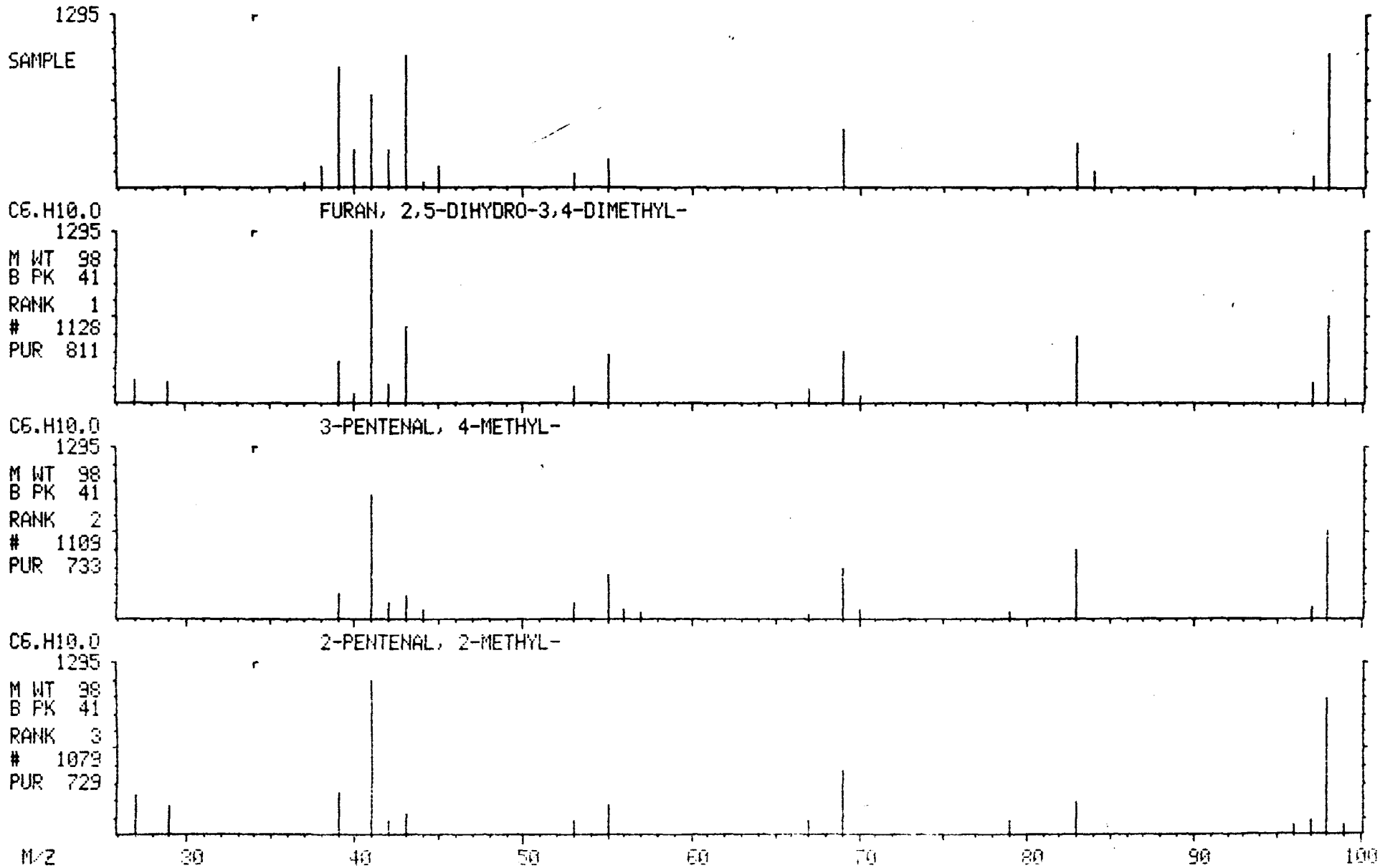


001821

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 12:28
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1258
CALI: APR22GK03 # 3

BASE M/Z: 98
RIC: 1442.

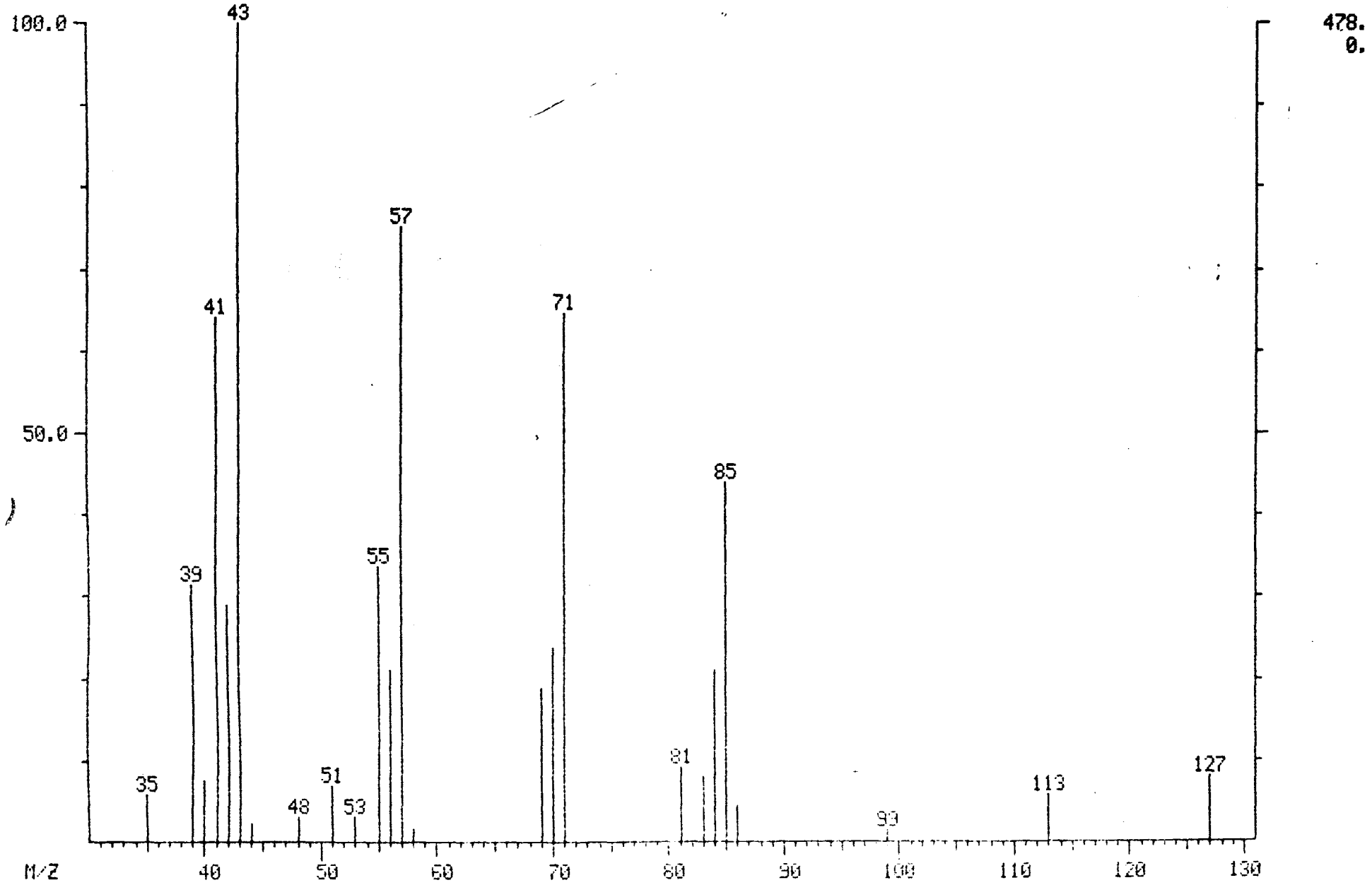


MASS SPECTRUM
04/22/91 10:59:00 + 12:39
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 127 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1276
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 2844.

001822

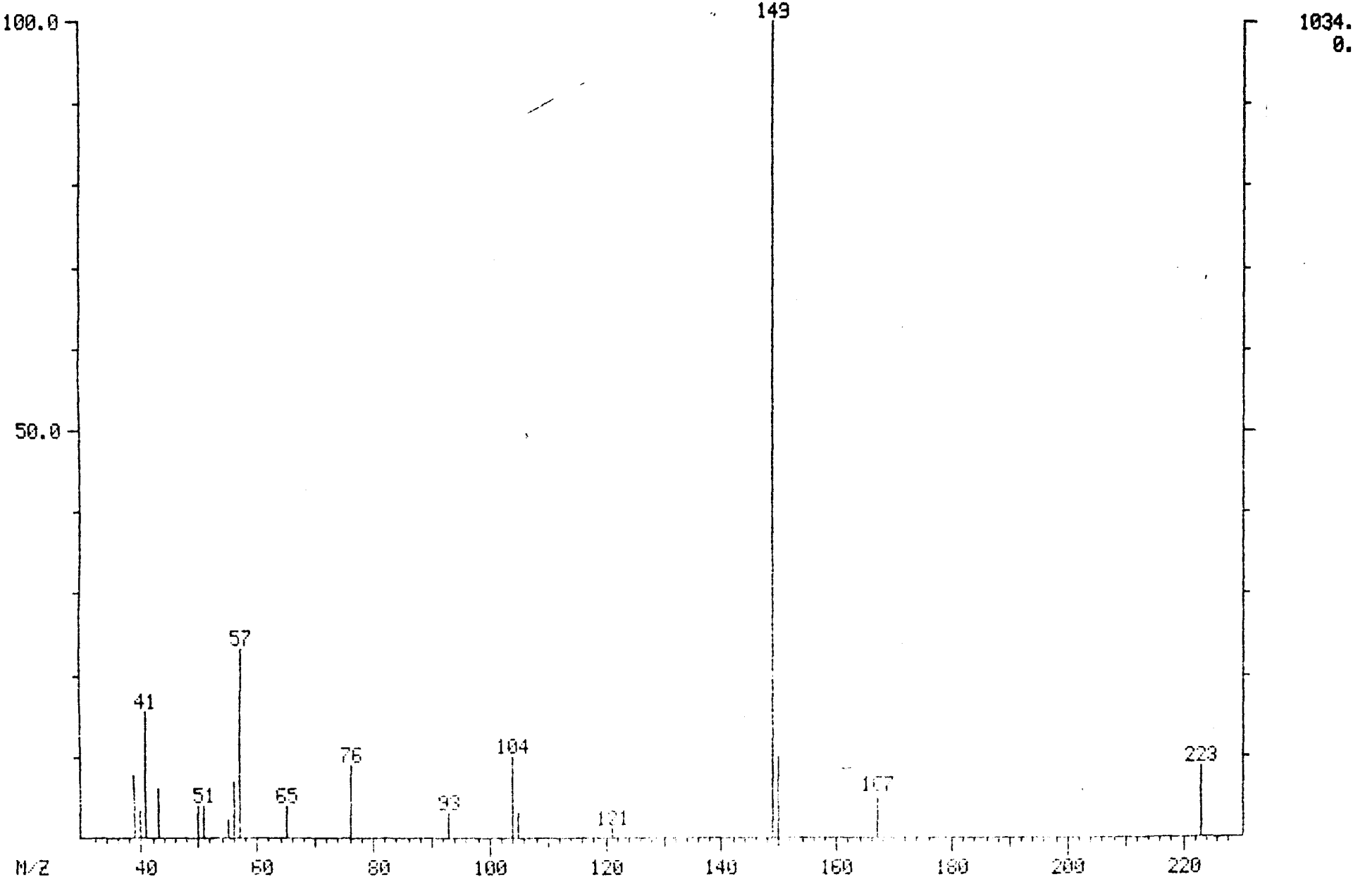


MASS SPECTRUM
04/22/91 10:59:00 + 24:01
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2423
CALI: APR22GK03 #3

BASE M/Z: 149
RIC: 2344.

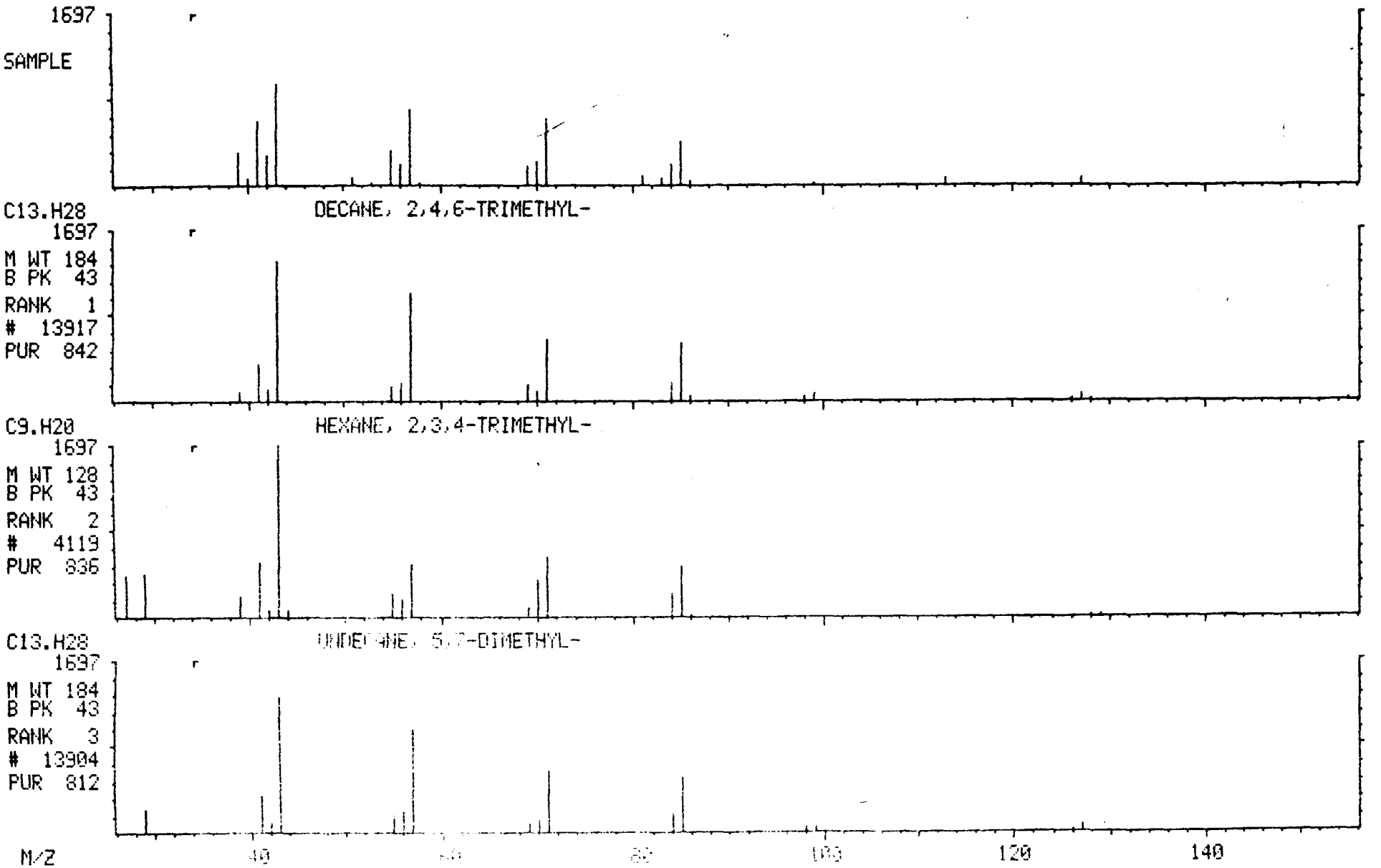
001824



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 12:39
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #1276
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 2792.



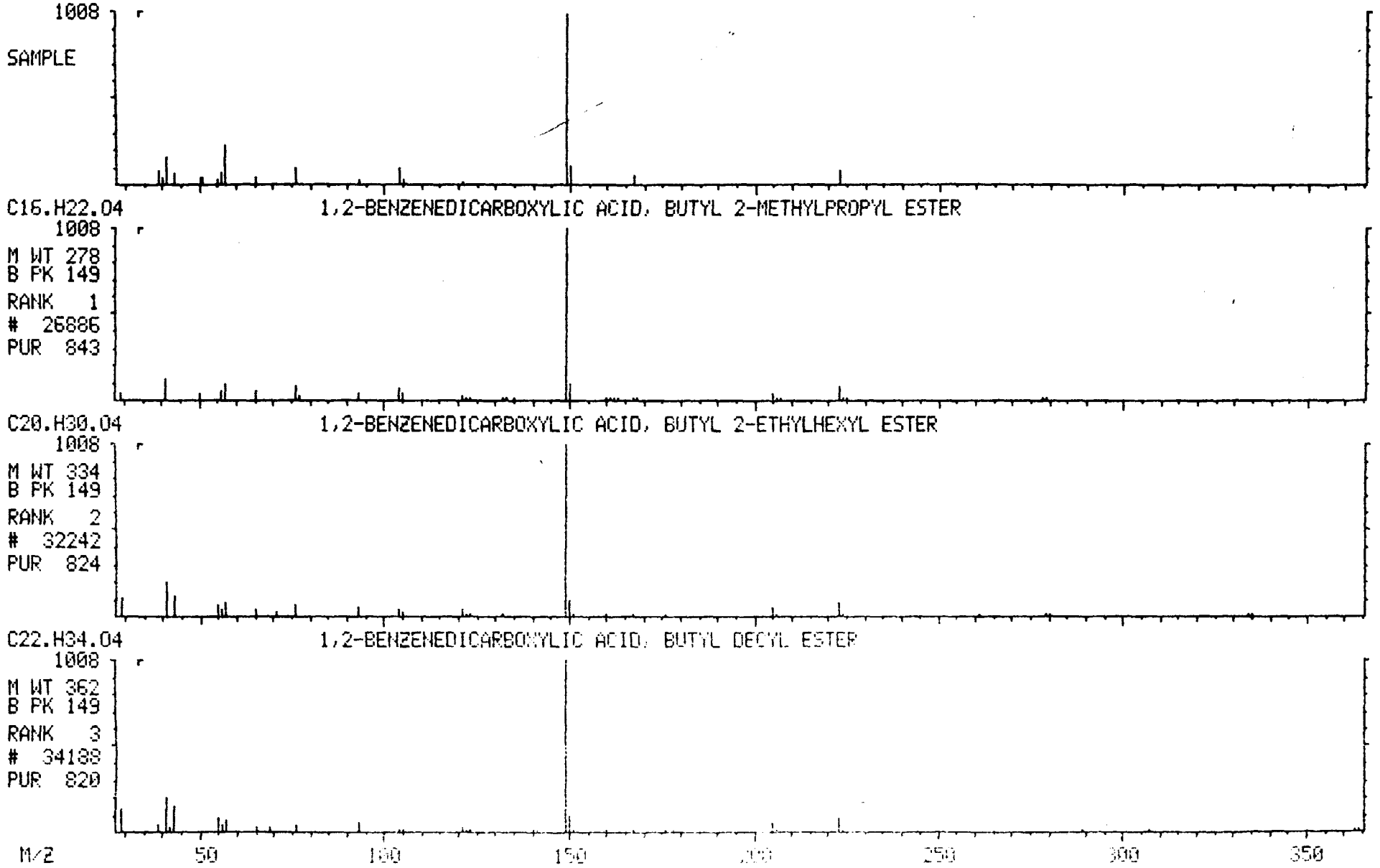
001822

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 24:01
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2423
CALI: APR22GK03 # 3

BASE M/Z: 149
RIC: 2344.

001825

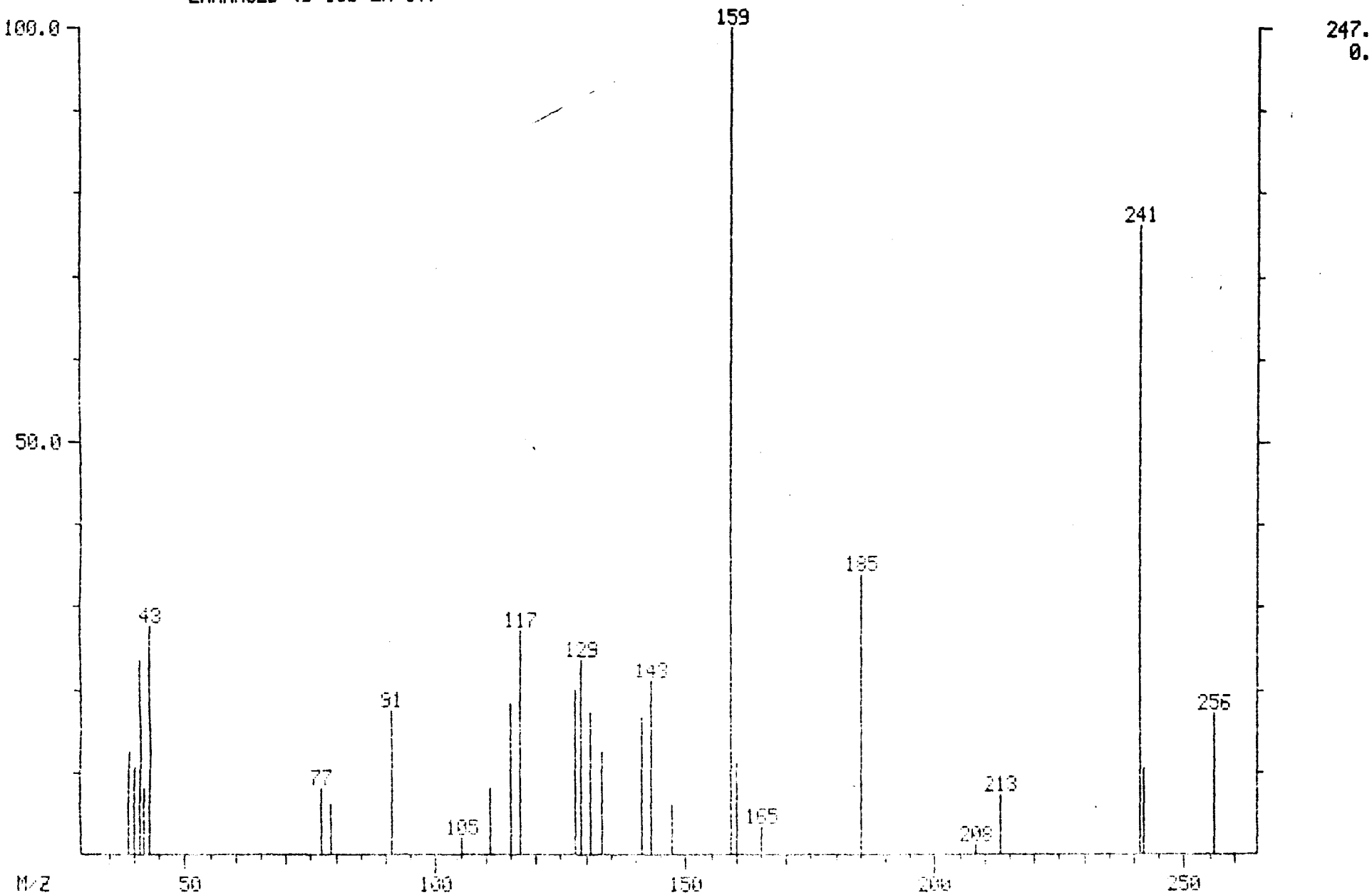


MASS SPECTRUM
04/22/91 10:59:00 + 26:01
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 261 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2624
CALI: APR22GK03 #3

BASE M/Z: 159
RIC: 1350.

001826

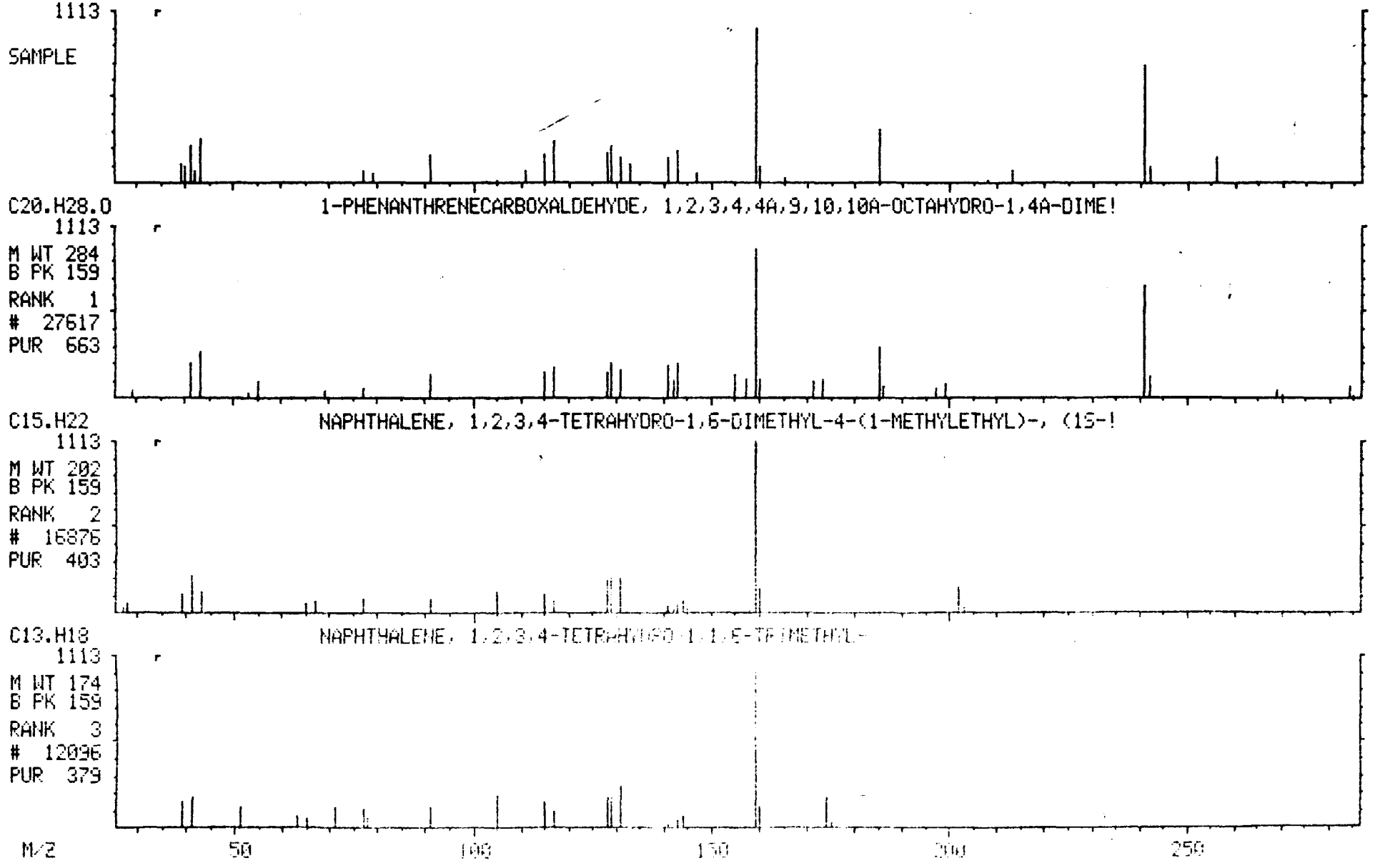


001827

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 26:01
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2624
CALI: APR22GK03 # 3

BASE M/Z: 159
RIC: 1350.

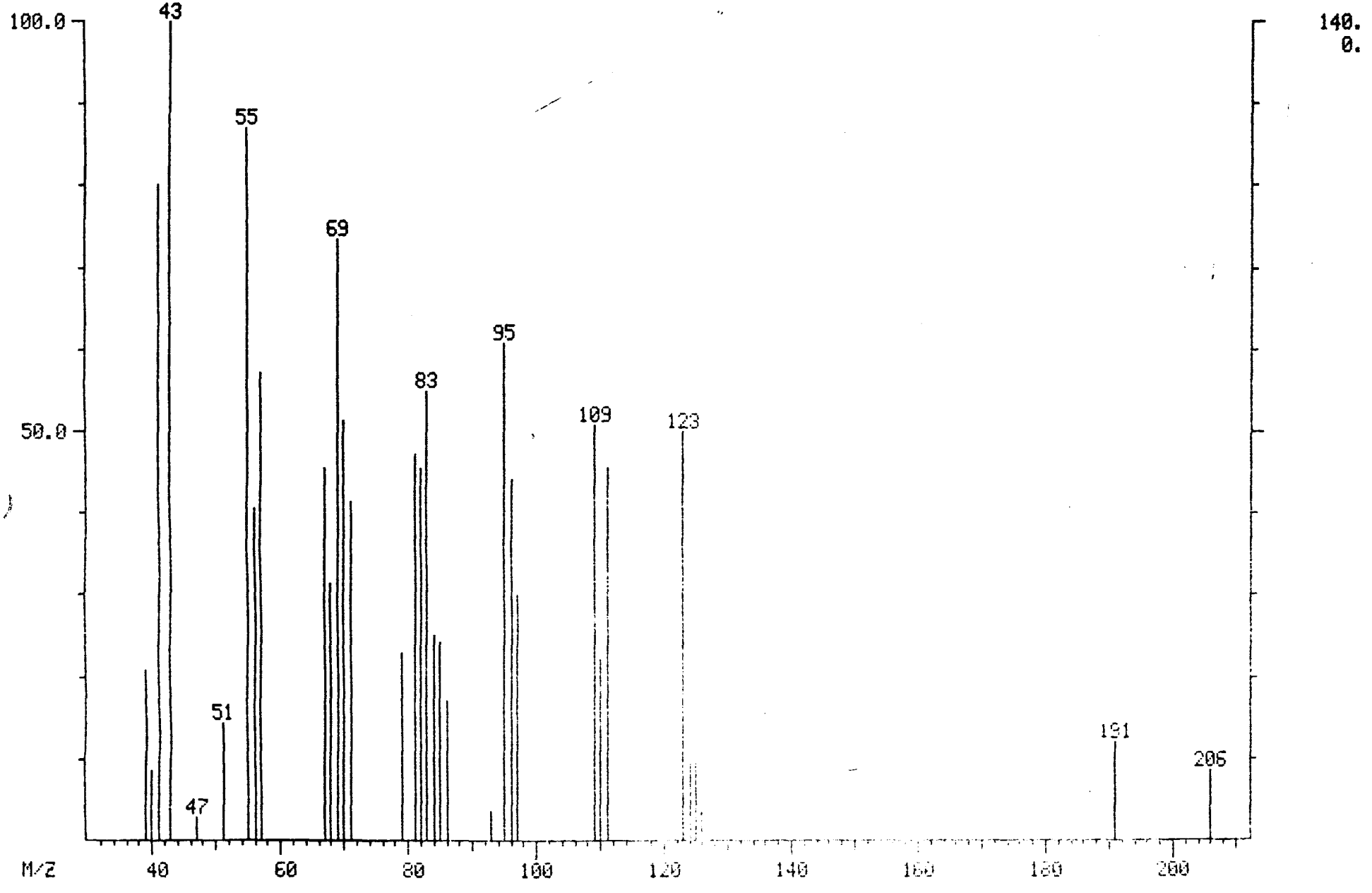


MASS SPECTRUM
04/22/91 10:59:00 + 26:04
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2630
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 1750.

C01828

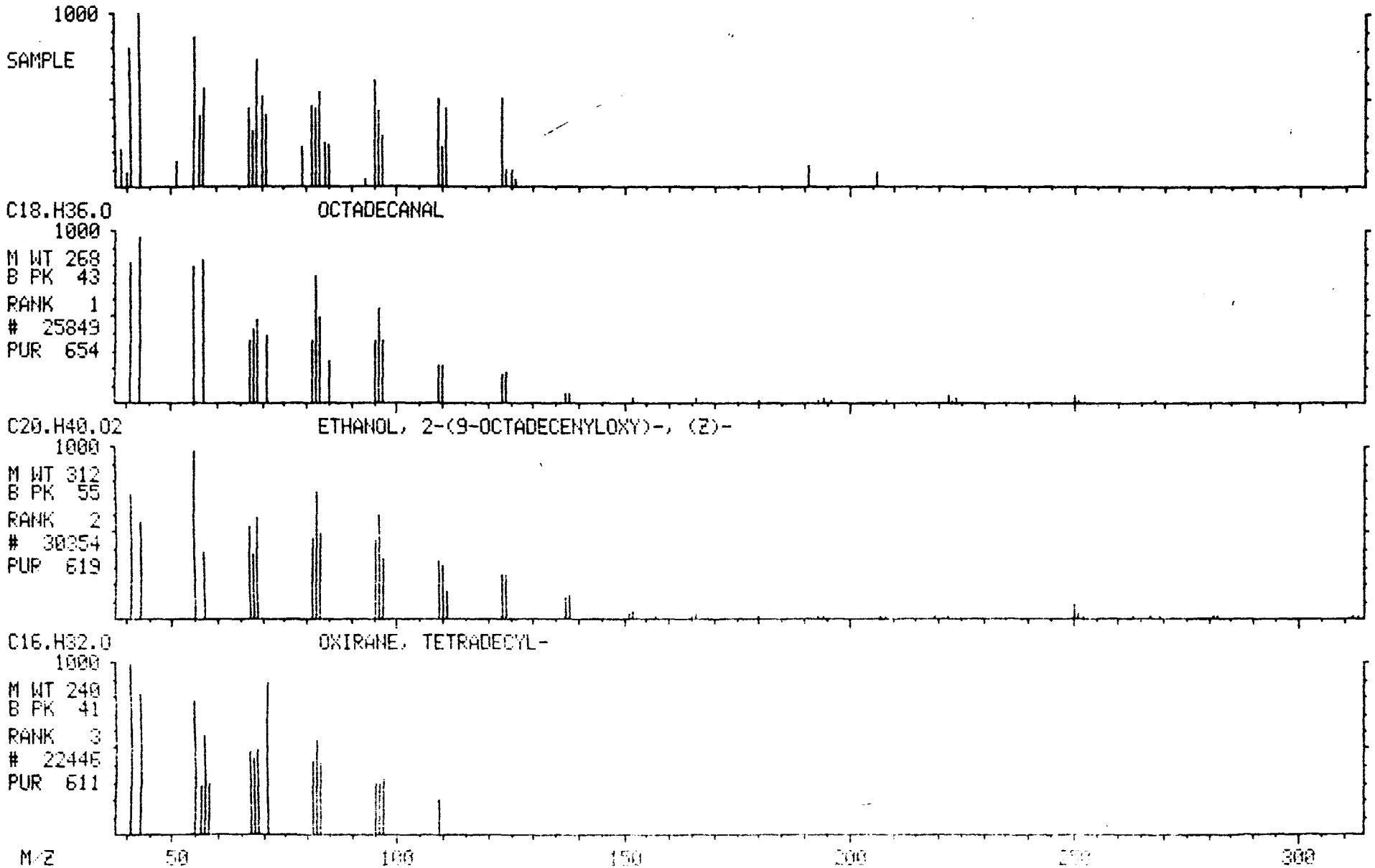


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 26:04
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2630
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 1722.

001829

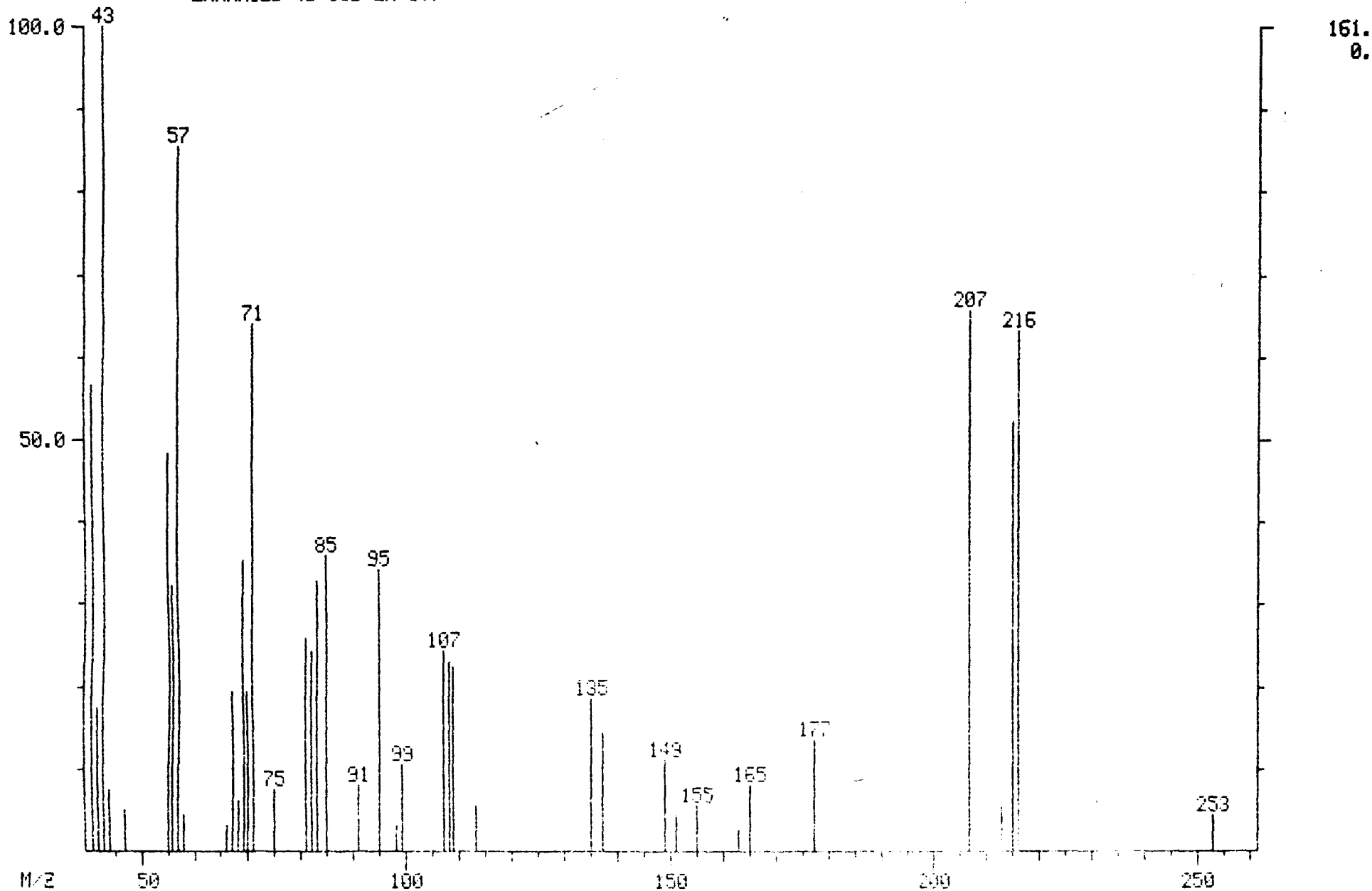


MASS SPECTRUM
04/22/91 10:59:00 + 28:10
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2842
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 1674.

001830

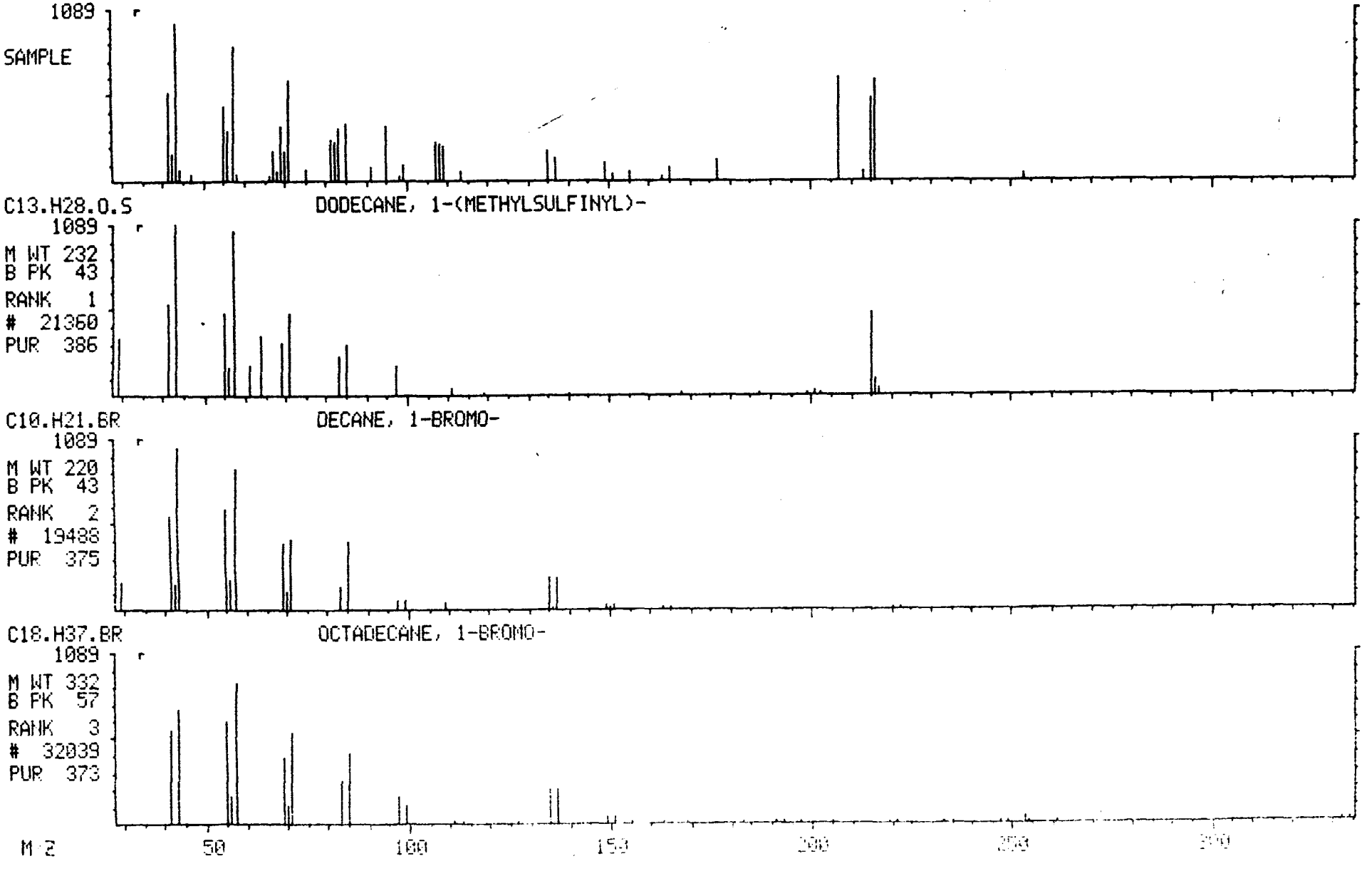


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 28:10
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #2842
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 1674.

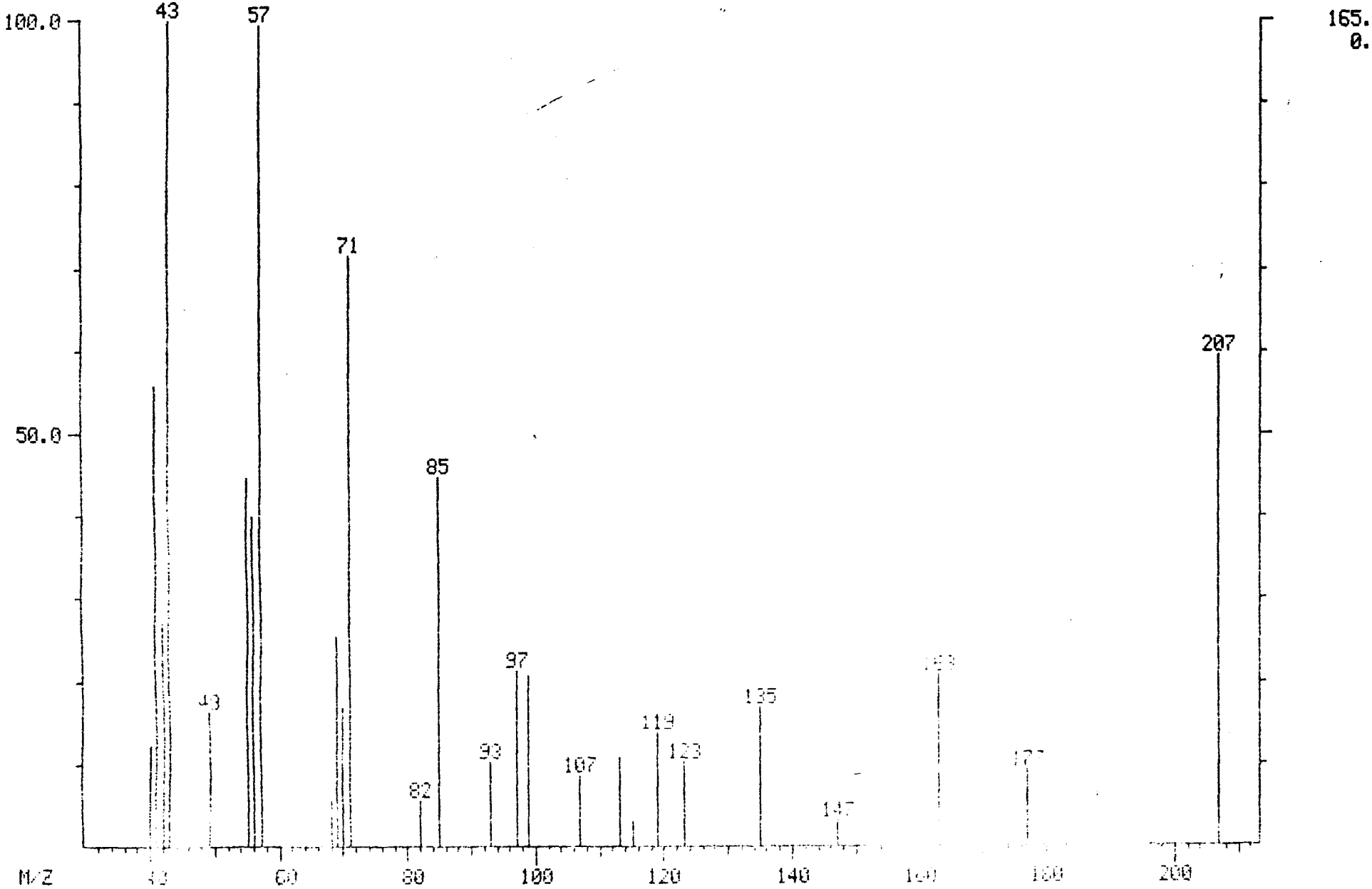
C01831



MASS SPECTRUM
04/22/91 10:59:00 + 30:29
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3075
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 1282.

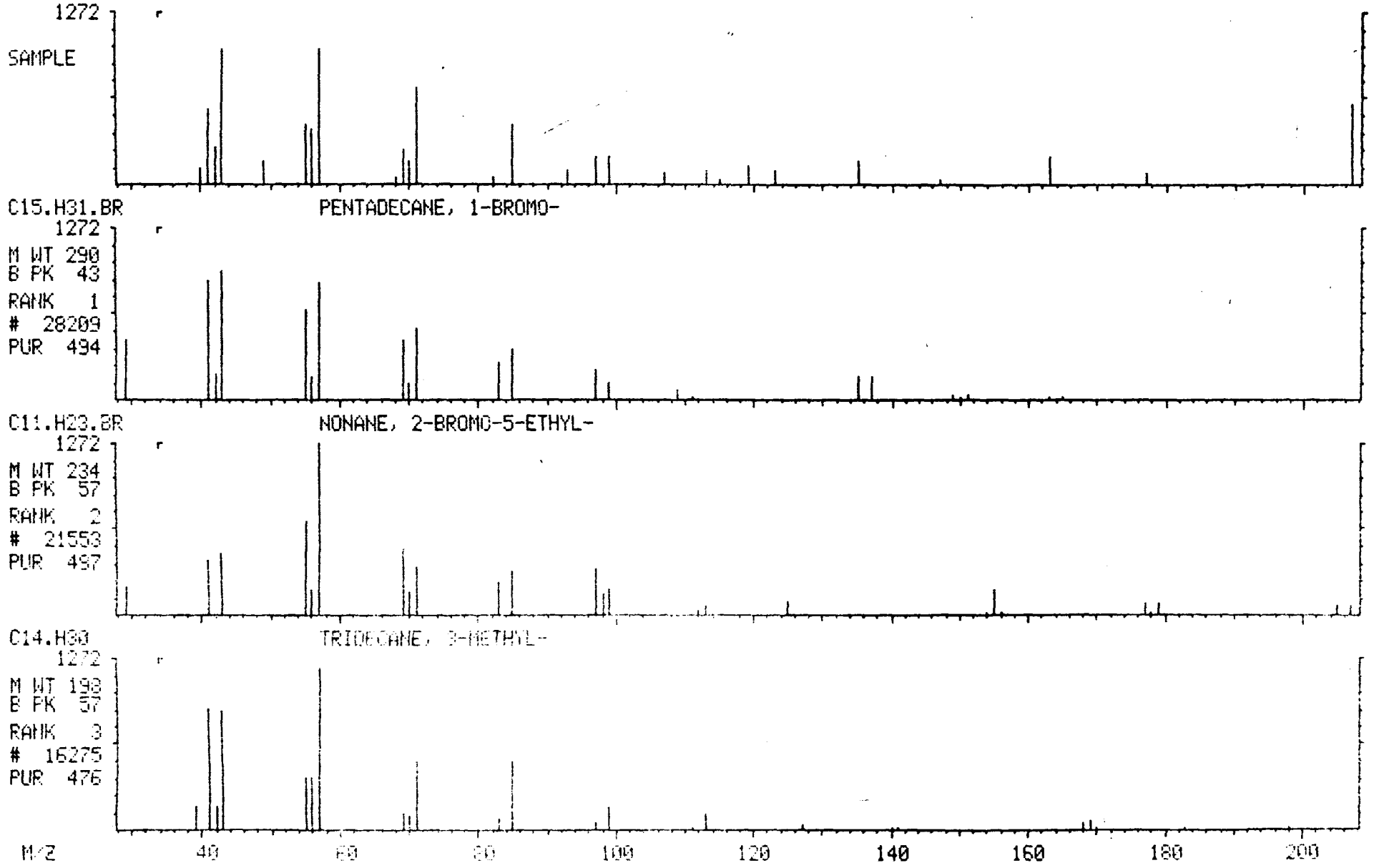


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 30:29
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3075
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 1282.

C01833

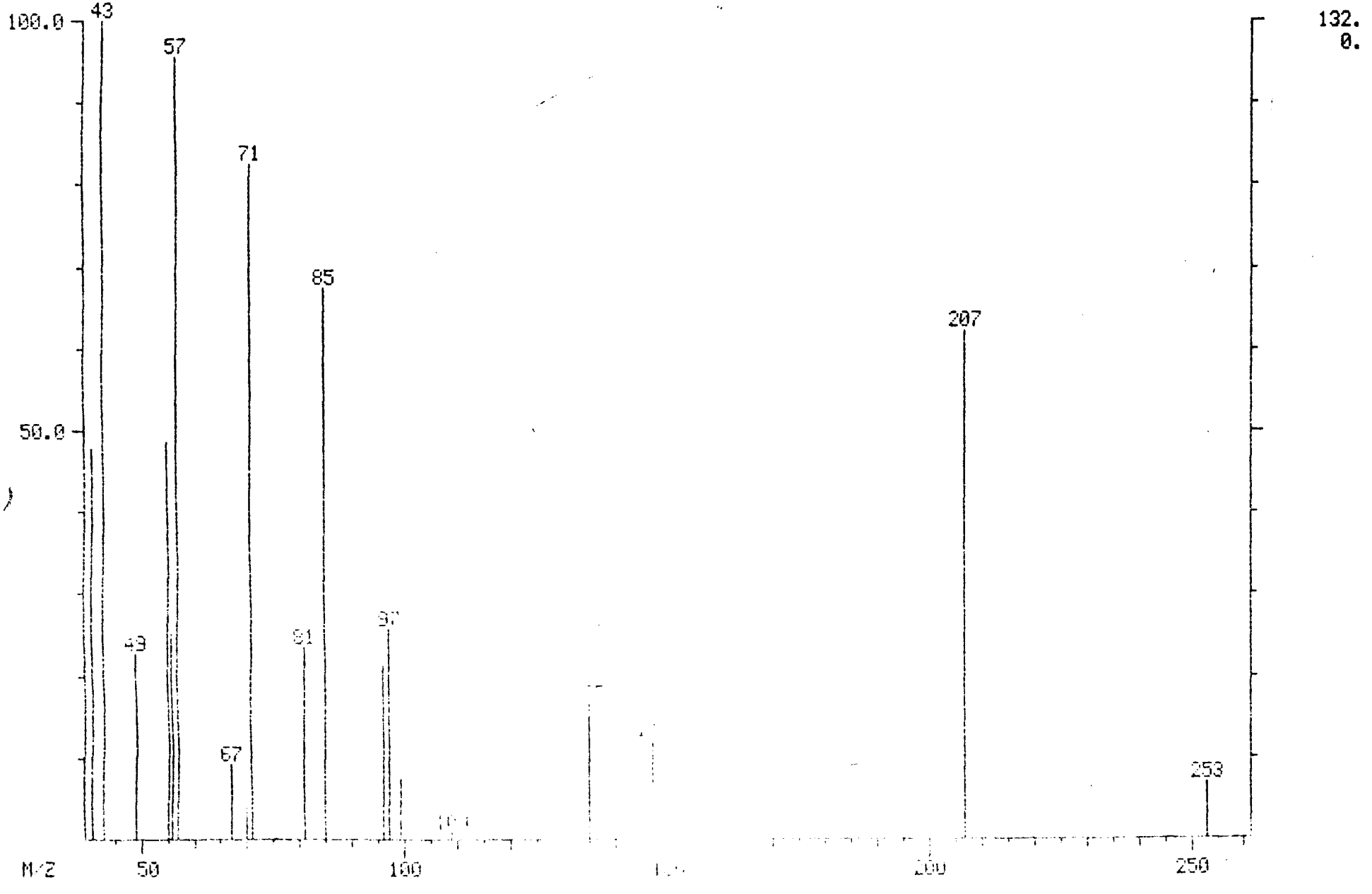


MASS SPECTRUM
04/22/91 10:59:00 + 33:45
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3405
CALI: APR22GK03 #3

BASE M/Z: 43
RIC: 896.

001834

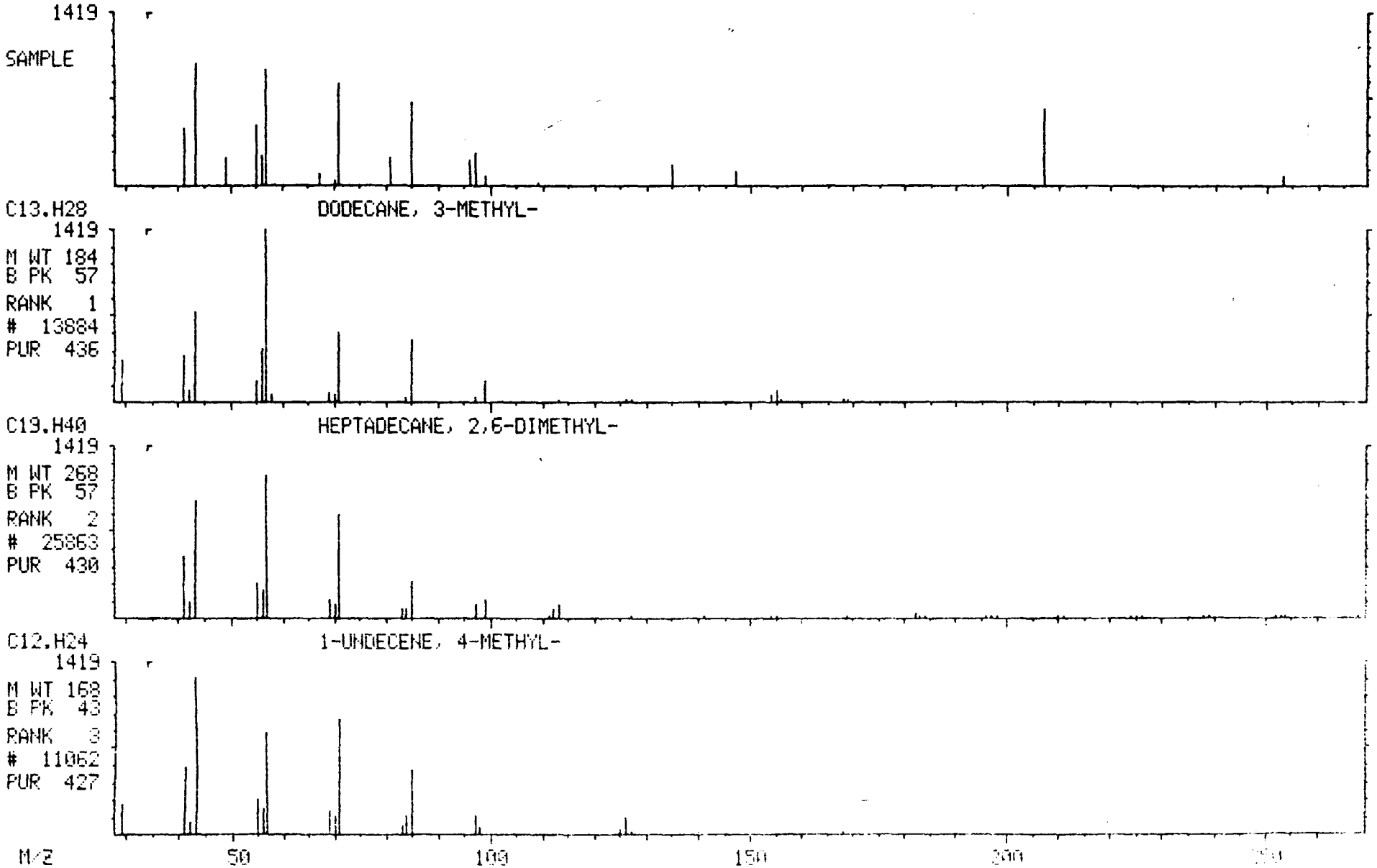


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 33:45
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3405
CALI: APR22GK03 # 3

BASE M/Z: 43
RIC: 896.

G01835

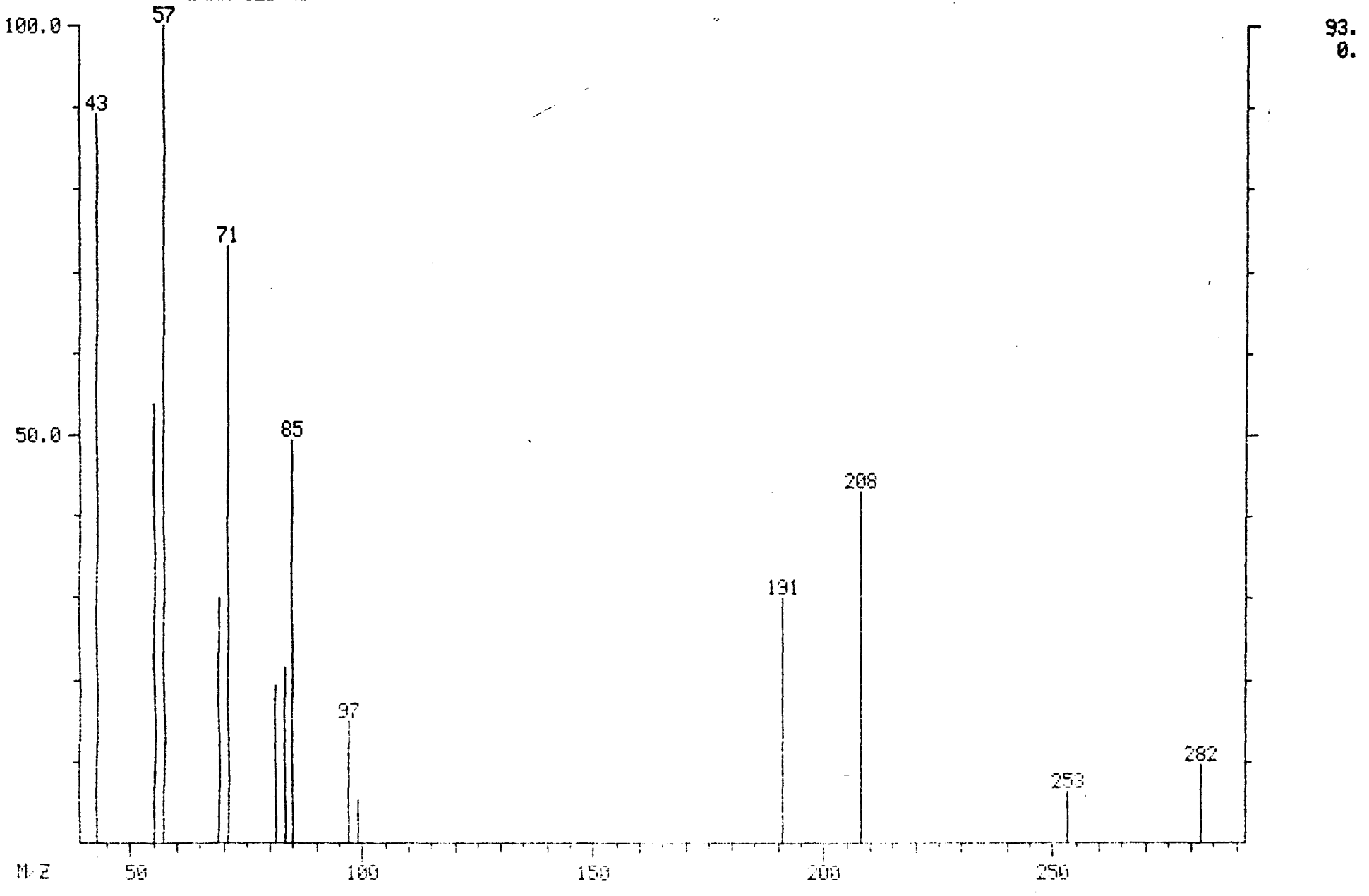


MASS SPECTRUM
04/22/91 10:59:00 + 38:44
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3907
CALI: APR22GK03 #3

BASE M/Z: 57
RIC: 508.

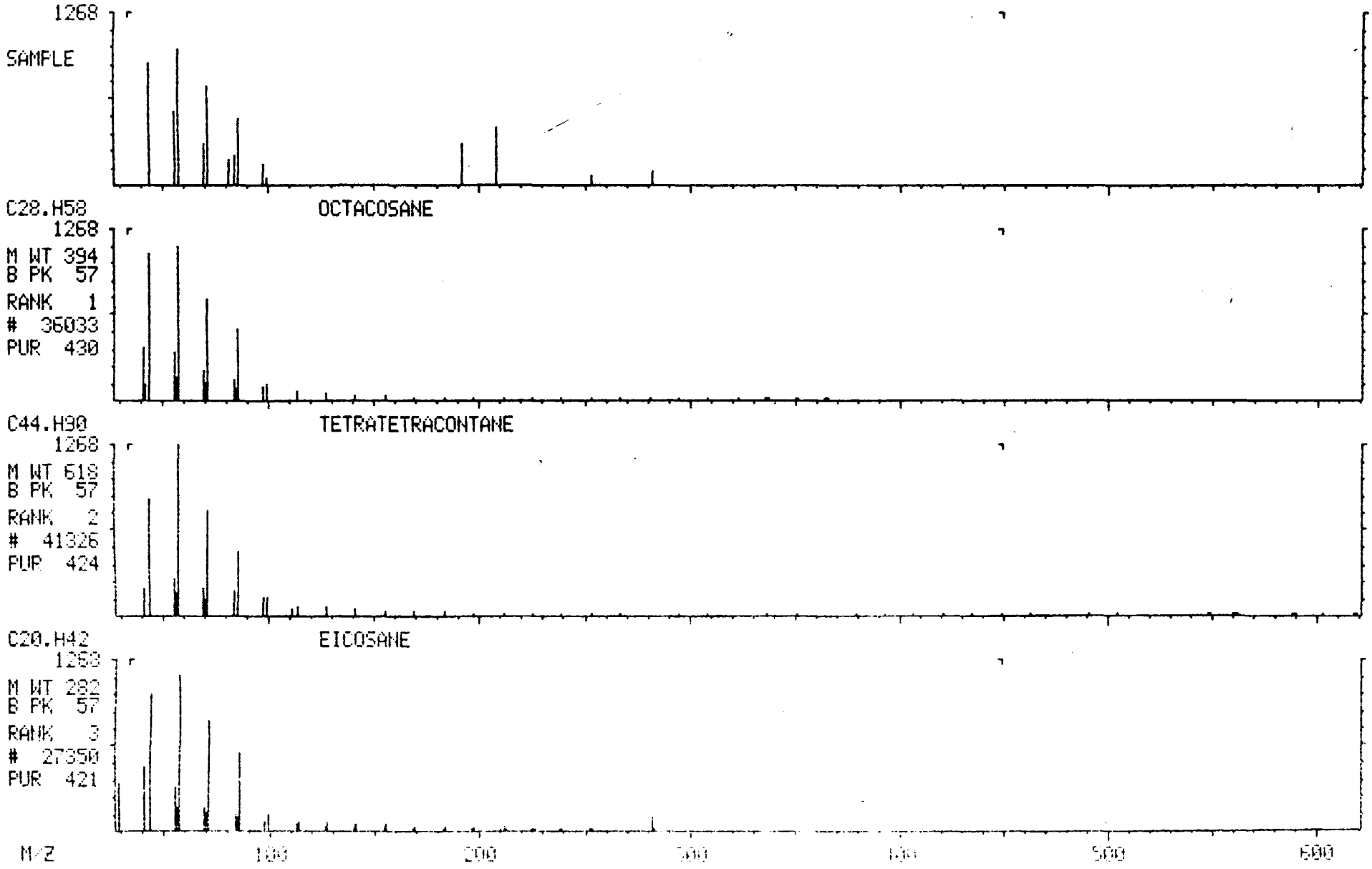
001836



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 10:59:00 + 38:44
SAMPLE: 90907 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK03 #3907
CALI: APR22GK03 # 3

BASE M/Z: 57
RIC: 508.



SEMIVOLATILE ORGANICS LB ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	860	U
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	470	J
129-00-0	Pyrene	390	J
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	290	J
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X110

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190908

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 25 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 18

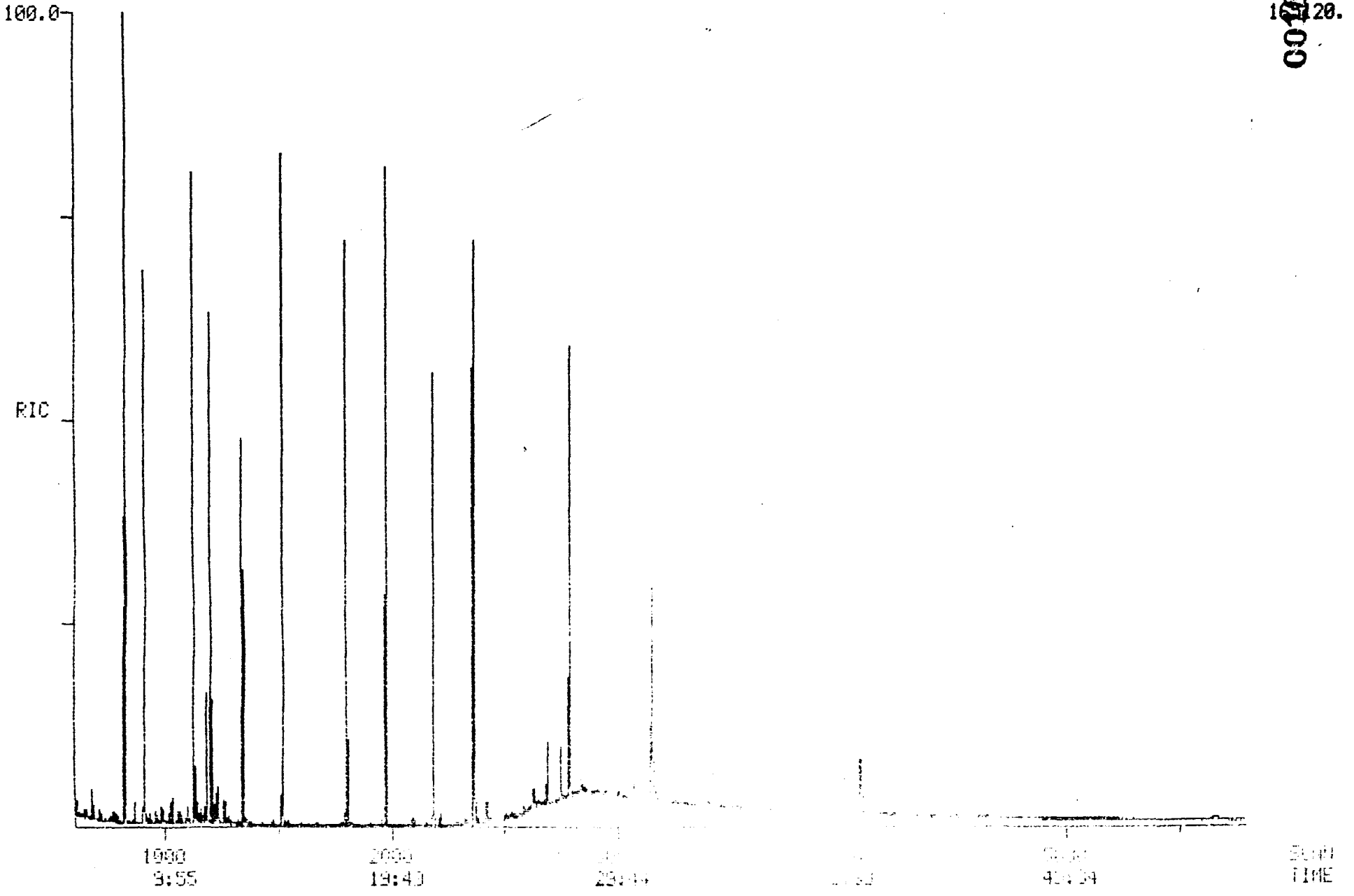
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.75	96	J
2.	UNKNOWN	7.05	44	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.18	2500	J
4.	TETRACHLORO ETHANE	9.82	45	BAJ
5.	UNKNOWN	10.22	100	J
6.	UNKNOWN	10.60	49	BJ
7.	UNKNOWN	11.27	59	BJ
8.	UNKNOWN	11.44	36	BJ
9.	UNKNOWN	11.70	340	BJ
10.	UNKNOWN	12.07	51	J
11.	UNKNOWN	12.17	91	J
12.	UNKNOWN	12.49	68	J
13.	UNKNOWN PHTHALATE	24.04	63	J
14.	UNKNOWN	26.04	53	J
15.	UNKNOWN	26.09	64	J
16.	UNKNOWN	28.19	48	J
17.	UNKNOWN	30.59	37	J
18.	UNKNOWN	38.76	52	J

X11φ

RIC
04/22/91 18:16:00
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR22VG02 #1 SCANS 600 TO 5800
CALI: APR22VG02 #3



00120

```
 4/22/91     18:16:06
     Acquisition started


 4/22/91     18:16:09
Acquire                          Run 0:APR22VG02          Starting
04/22/91 18:16:00 +  0:00        Free sectors: 10313      Scan: 0 of 5800
Sample: 90908 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SB                 Analyst: VG              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5       VIAL:  1
                    *** GC not ready and being equilibrated ***
GC Desc.: BN                                        Elapsed time :    0.0 Min
Seq.  Temp     Rate      Time (minutes)
 #   (DegC)  (C/min)  period     total      Injector A    :  260 Deg C
 1   40- 40     -       4.0       4.0       GC oven       :   41 Deg C
 2   40-280   10.0      24.0      28.0       Transfer-line:   270 Deg C
 3  280-280     -       32.0      60.0       Ion source    :  180 Deg C
Valve A : closed       Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window #  1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass   Hi mass       Time
   1      34.510   450.635      1.000

Sequence Window #  2
                    Number of cycles:      1
                    Filament is ON
                    Multiplier is ON
Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass   Hi mass       Time
   1      34.510   450.635      1.000

    Calibration table:       1:CALTAB

    Interface number            0
    Instrument type             Q
    Full scale mass          1159  u
    Zero scale mass             1  u
    Intensity/ion               2
    Peak width               1000.  mmu
    Offset at low mass          0  mmu
```

001861

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.50	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 972.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/22/91 19:15:24
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	10.9	3449.4	0.3	191406.	33.	55.

C01842

Quantitation Report File: APR22VG02

Data: APR22VG02.TI
04/22/91 18:16:00
Sample: 90908 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

C01843

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	150	1200	11:54	1	1.000	A BB	75710.	40.000	UG/L	4.85
2	94	1128	11:11	1	0.940	A BB	352.	0.209	UG/L	0.03
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	45	1275	12:38	1	1.062	A BB	72.	0.035	UG/L	0.00
11	NOT FOUND									
12	NOT FOUND									
13	NOT FOUND									
14	112	909	9:01	1	0.757	A BB	92086.	86.255	%	[illegible]
15	99	1125	11.09	1	0.937	A BB	120590.	101.765	%	[illegible]
16	136	1520	15.04	16	1.000	A BB	190092.	40.000	UG/L	[illegible]
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	128	1525	15:07	16	1.003	A BB	250	0.058	UG/L	[illegible]
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	140	1703	16:[illegible]	16	1.120	A BB	184	0.064	UG/L	[illegible]
30	92	1541	15:[illegible]	16	0.882	A BB	76174	83.152	%	[illegible]
31	160	1981	19:38	31	1.000	A BB	92940.	40.000	UG/L	4.85
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	152	1988	19:42	31	1.004	A BB	104.	0.044	UG/L	0.01
41	NOT FOUND									
42	NOT FOUND									
43	168	2030	20:07	31	1.025	A BB	192.	0.052	UG/L	0.01
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	166	2121	21:01	31	1.071	A BB	194.	0.070	UG/L	0.01
49	[illegible]	[illegible]	[illegible]							
50	[illegible]	[illegible]	[illegible]	31	0.910	A BV	118710.	102.584	%	12.45

Quantitation Report File: APR22VG02

Data: APR22VG02.TI
04/22/91 18:16:00
Sample: 90908 GPC CLP-1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2189	21:42	31	1.105	A BB	23500.	95.793 %	11.63
52	188	2367	23:28	52	1.000	A BV	150680.	40.000 UG/L	4.85
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2373	23:31	52	1.003	A BB	8098.	2.173 UG/L	0.26
58	178	2385	23.38	52	1.008	A BB	852.	0.225 UG/L	0.03
59	149	2527	25:03	52	1.068	A BB	1684.	0.366 UG/L	0.04
60	202	2691	26:40	52	1.137	A BV	19088.	5.401 UG/L	0.66
61	77	2166	21:28	52	0.915	A BB	92.	0.023 UG/L	0.00
62	202	2751	27:16	52	1.162	A BB	15652.	4.498 UG/L	0.55
63	NOT FOUND								
64	240	3154	31:16	64	1.000	A BB	79454.	40.000 UG/L	4.85
65	149	2939	29:08	64	0.932	A BB	235.	0.148 UG/L	0.02

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3146	31:11	64	0.997	A BV	3674.	1.718 UG/L	0.21
68	149	3173	31:27	64	1.006	A BB	832.	0.523 UG/L	0.06
69	228	3165	31:22	64	1.003	A VB	6635.	3.336 UG/L	0.40
70	244	2790	27:39	64	0.885	A BB	102022.	80.095 %	9.72
71	264	4083	40:28	71	1.000	A BB	40687.	40.000 UG/L	4.85
72	149	3515	34:50	71	0.861	A*VB	685.	0.295 UG/L	0.04
73	252	3775	37:25	71	0.925	A BV	3723.	→ ~~3.024 UG/L~~	0.37
74	252	3789	37:33	71	0.928	A VB	3130.	→ ~~2.488 UG/L~~	0.30
75	252	4030	39:57	71	0.987	A BB	2604.	→ ~~2.630 UG/L~~	0.32
76	276	5299	52:31	71	1.298	A VB	942.	→ ~~2.949 UG/L~~	0.36
77	NOT	FOUND							
78	276	5669	56:11	71	1.388	A*BB	1416.	→ ~~4.077 UG/L~~	0.49

Quantitation Report File: APR22VG02A

Data: APR22VG02.TI
04/22/91 18:16:00
Sample: 90908 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.019
Resp. fac. from Library Entry

$\frac{684550}{483824} \times 40 \times \frac{1}{30.59} \times \frac{1}{100} = 0.019$

No	CAS #	Name
~~1~~	77572-68-0	BUTANAL, 3,3-DIMETHYL-2-OXO-, HEMIHYDRATE
2	34314-83-5	FURAN, 2,3-DIHYDRO-4-METHYL-
3	17257-81-7	ETHANONE, 1-(3-ETHYLOXIRANYL)-
4	53951-43-2	1,3-DIOXOLANE-2-METHANOL, 2,4-DIMETHYL-
5	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
6	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
7	4160-75-2	2-PROPANONE, 1-CYCLOPROPYL-
8	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
9	18720-66-6	3-HEPTANOL, 6-METHYL-
10	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
11	111-28-4	2,4-HEXADIEN-1-OL
12	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
13	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
14	117-82-8	1,2-BENZENEDICARBOXYLIC ACID, BIS(2-METHOXYETHYL) ESTE
15	24035-50-5	1-PHENANTHRENECARBOXALDEHYDE, 1,2,3,4,4A,9,10,10A-OCTA
16	765-27-5	1-EICOSYNE
17	238-84-6	11H-BENZO[A]FLUORENE
18	82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE
~~19~~	56248-63-6	2(5H)-FURANONE, 5-[(3,4-DIMETHYL-5-OXO-2(5H)-FURANYLID
20	630-02-4	OCTACOSANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
~~1~~	RIC	~~608~~	6:02	4	0.736	A BB	~~12497.~~	0.035	1.18
2	RIC	681	6:45	4	0.824	A BB	25950. UNK	0.072B	2.45
3	RIC	712	7:03	4	0.862	A BB	11840. UNK	0.033	1.12
4	RIC	826	8:11	4	1.000	A BB	684550. Hip OL	1.900BA	64.63
5	RIC	990	9:49	4	1.199	A BB	12416. Below	0.034	1.17
6	RIC	1030	10:13	4	1.247	A BB	26980. UNK	0.075B	2.55
7	RIC	1069	10:36	4	1.294	A BB	13197. UNK	0.037	1.25
8	RIC	1136	11:16	4	1.375	A VB	15712. UNK	0.044B	1.48
9	RIC	1154	11:26	4	1.397	A BB	9728. UNK	0.027B	0.92
10	RIC	1180	11:42	4	1.429	A BB	91891. UNK	0.255B	8.68
11	RIC	1218	12:04	4	1.475	A BB	13691. UNK	0.038	1.29
12	RIC	1228	12:10	4	1.487	A VV	24611. UNK	0.068	2.32
13	RIC	1260	12:29	4	1.525	A BB	18408. UNK	0.051	1.74
14	RIC	2424	24:02	4	2.935	A BB	16876. Nice Peak	0.047	1.59
15	RIC	2626	26:02	4	3.179	A BV	14456. UNK	0.040	1.36
16	RIC	2632	26:05	4	3.186	A VB	17215. UNK	0.048	1.63
17	RIC	2844	28:11	4	3.443	A BB	13138. UNK	0.036	1.24
18	RIC	3086	30:35	4	3.736	A BB	10112. UNK	0.028	0.95
~~19~~	RIC	~~3095~~	30:41	4	3.747	A VB	~~11807.~~	~~0.033~~	1.11
20	RIC	3909	38:45	4	4.732	A BB	14097. UNK	0.039	1.33

Tetrachloro Ethane #5

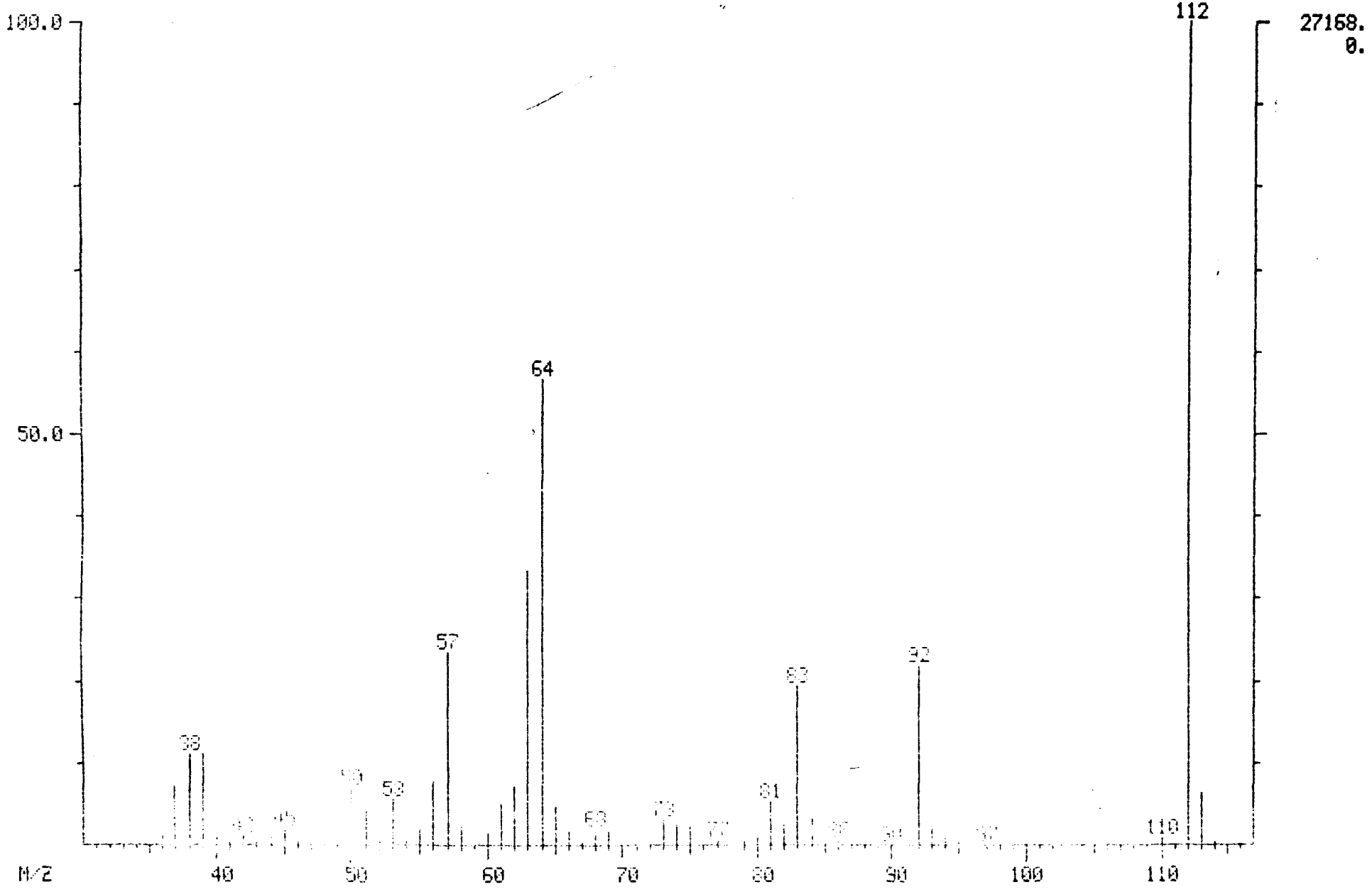
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 18:16:00 + 9:01
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 90 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #909
CALI: APR22VG02 #3

BASE M/Z: 112
RIC: 104192.

001849

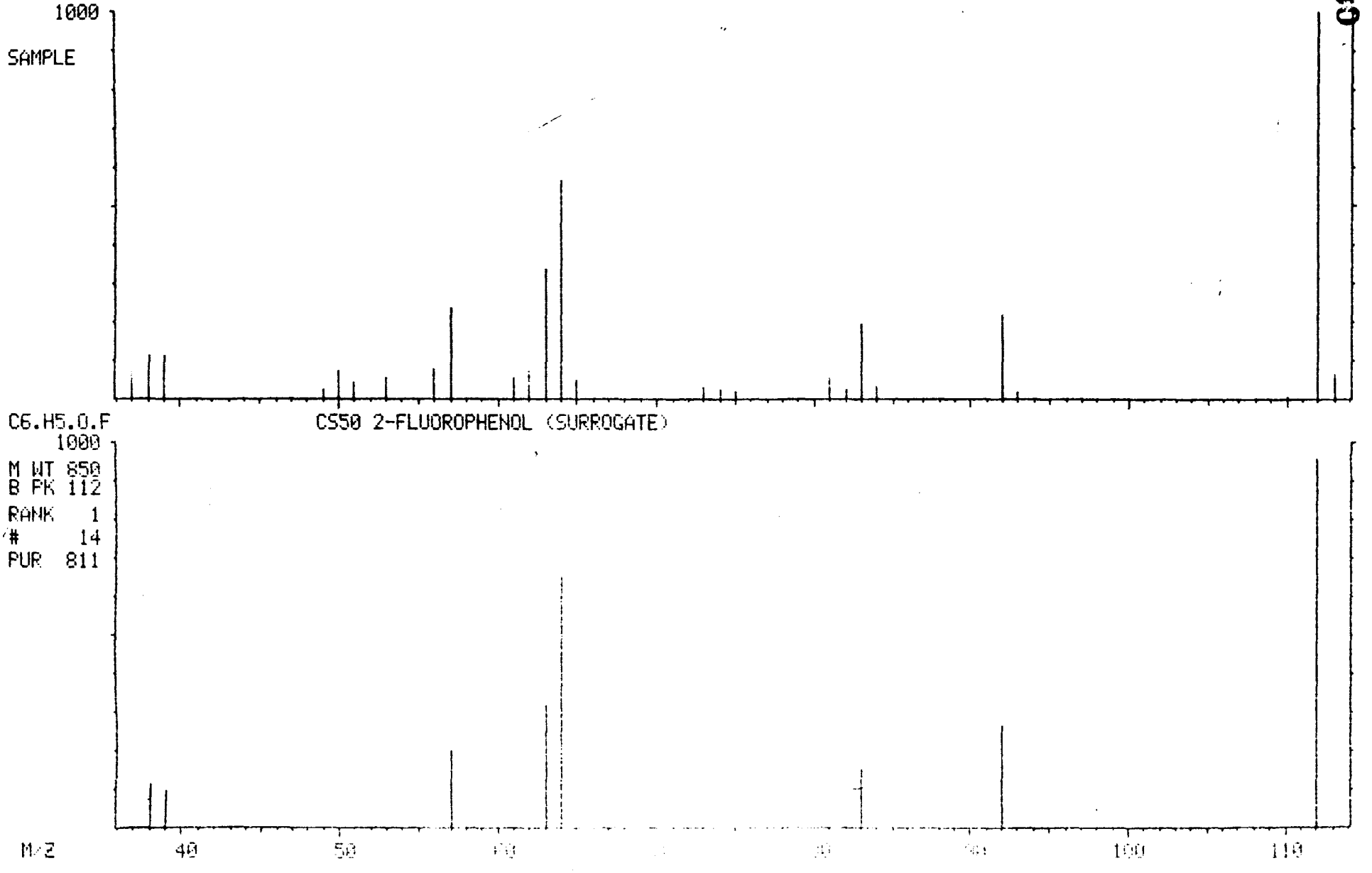


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 9:01
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 # 909
CALI: APR22VG02 # 3

BASE M/Z: 112
RIC: 96512.

001850

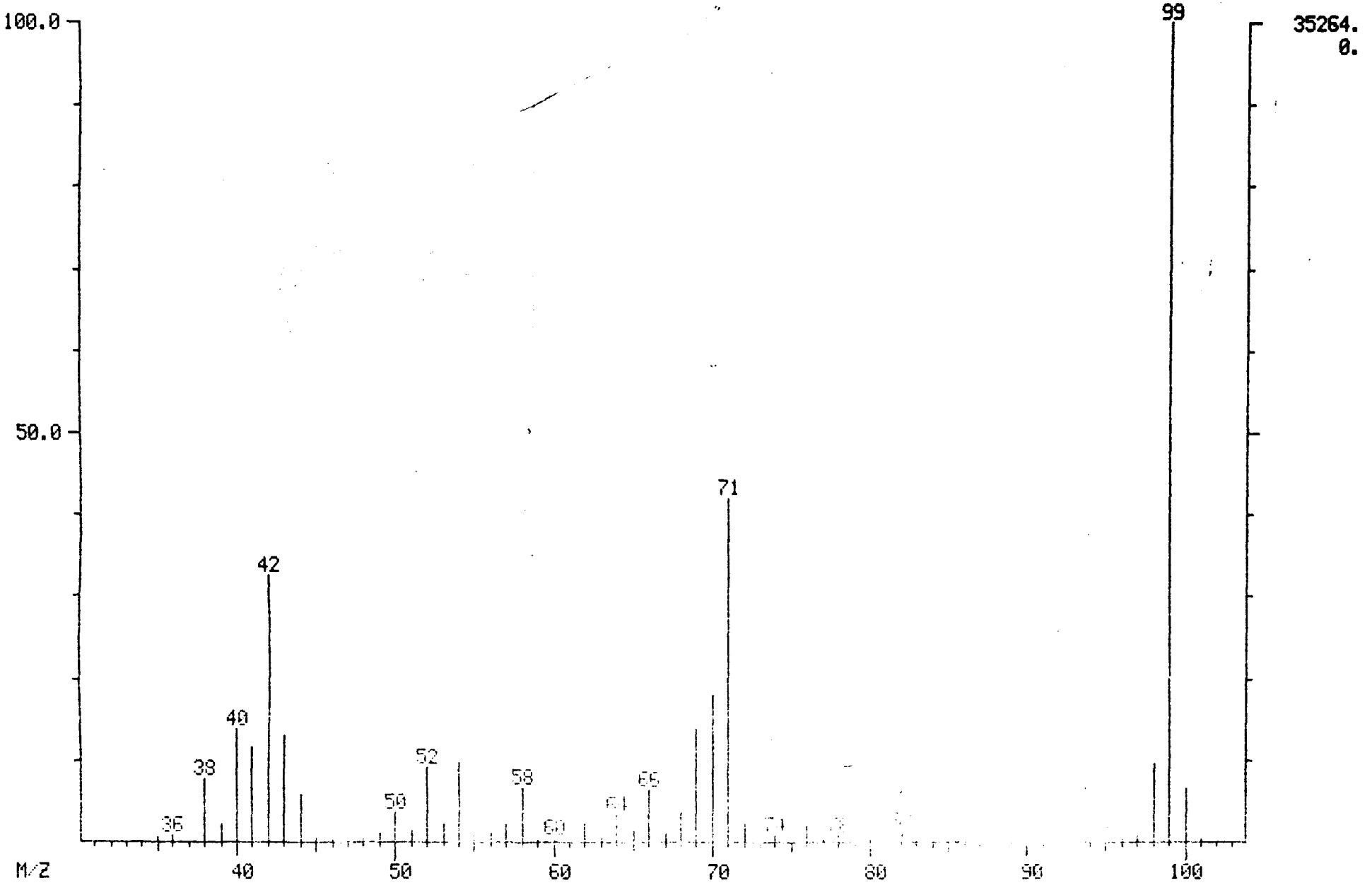


MASS SPECTRUM
04/22/91 18:16:00 + 11:09
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1125
CALI: APR22VG02 #3

BASE M/Z: 99
RIC: 123264.

C01851

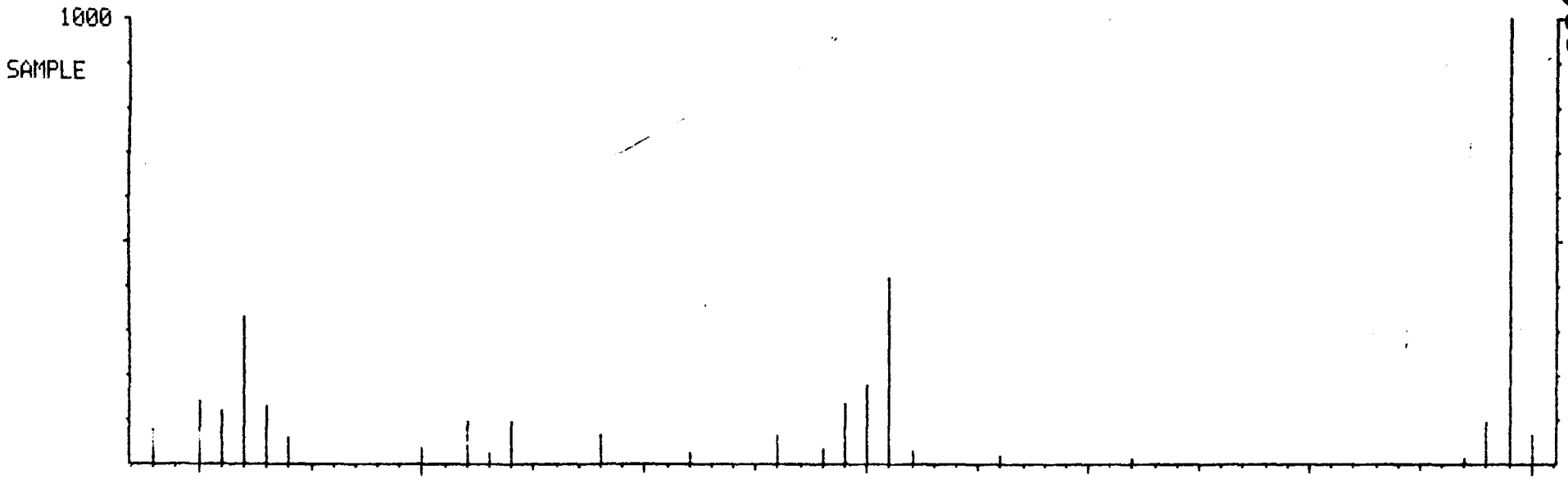


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 11:09
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

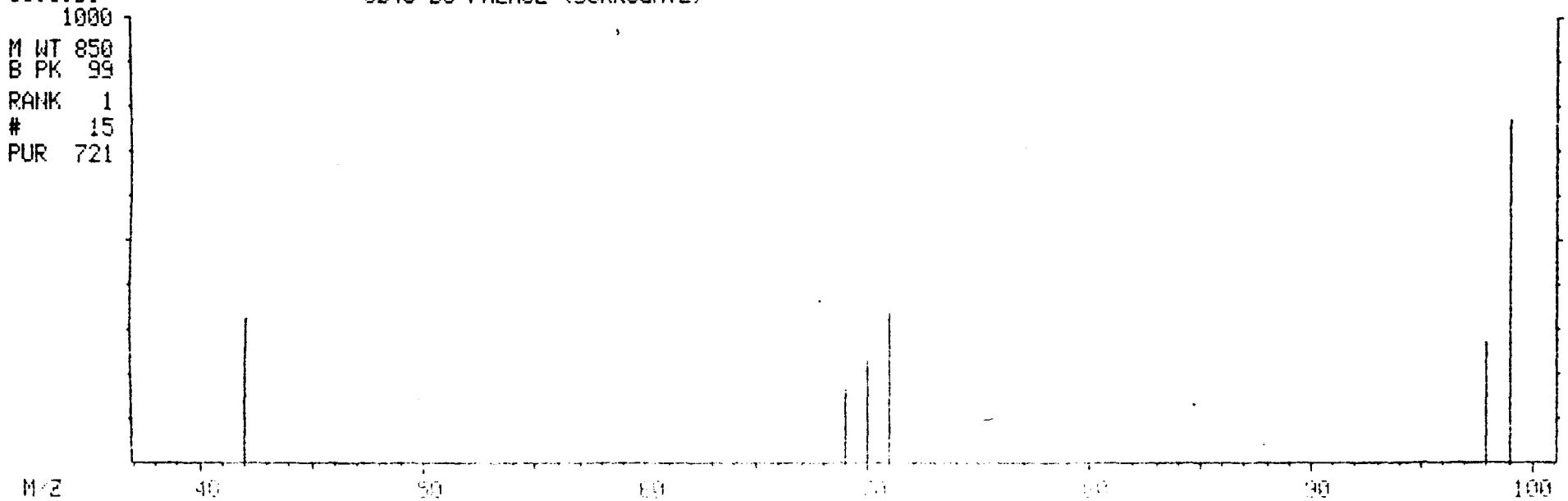
DATA: APR22VG02 #1125
CALI: APR22VG02 # 3

BASE M/Z: 99
RIC: 114816.

001852



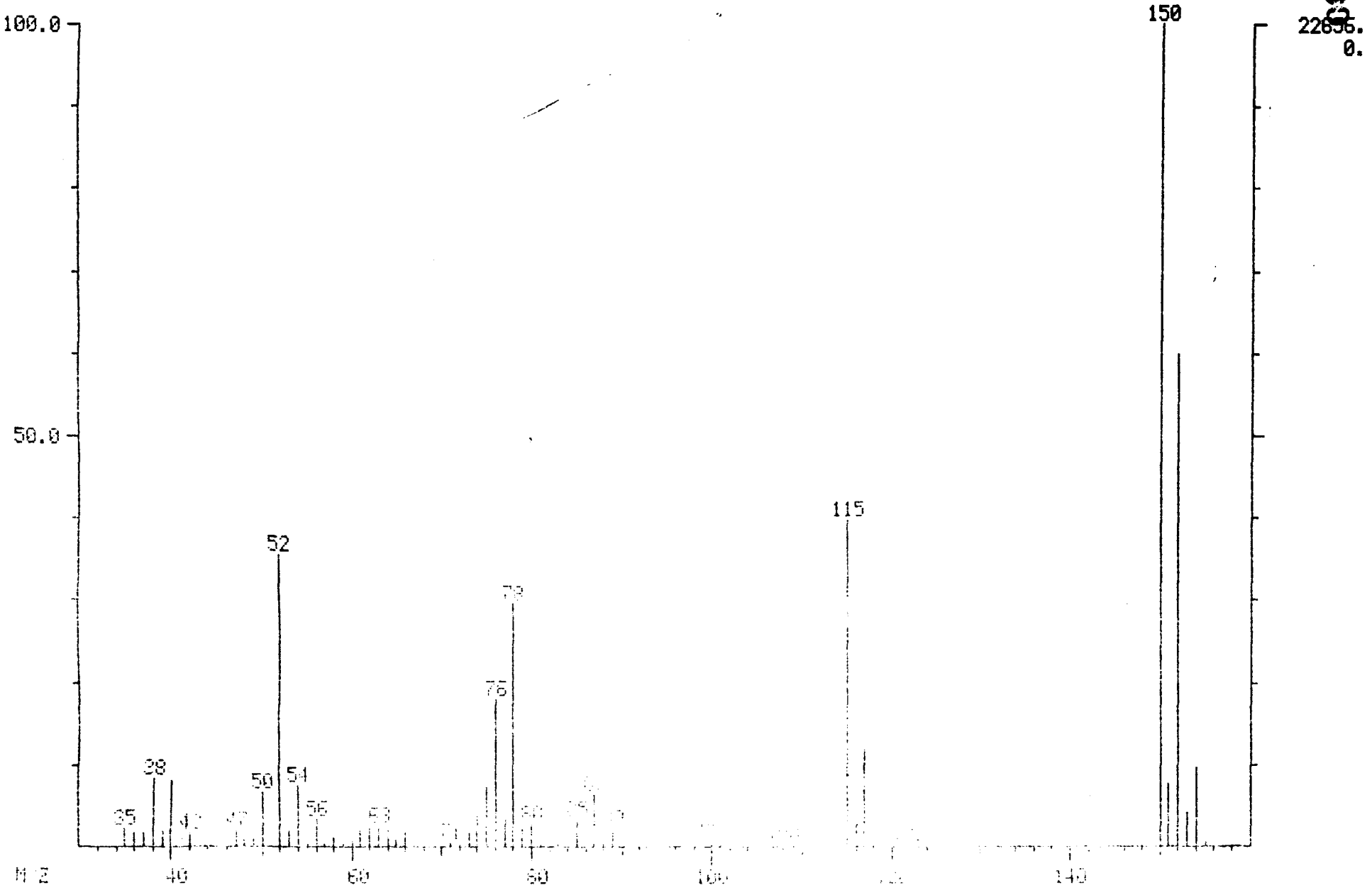
C6.0.D6 CS45 D6-PHENOL (SURROGATE)



MASS SPECTRUM
04/22/91 18:16:00 + 11:54
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1200
CALI: APR22VG02 #3

BASE M/Z: 150
RIC: 96640.



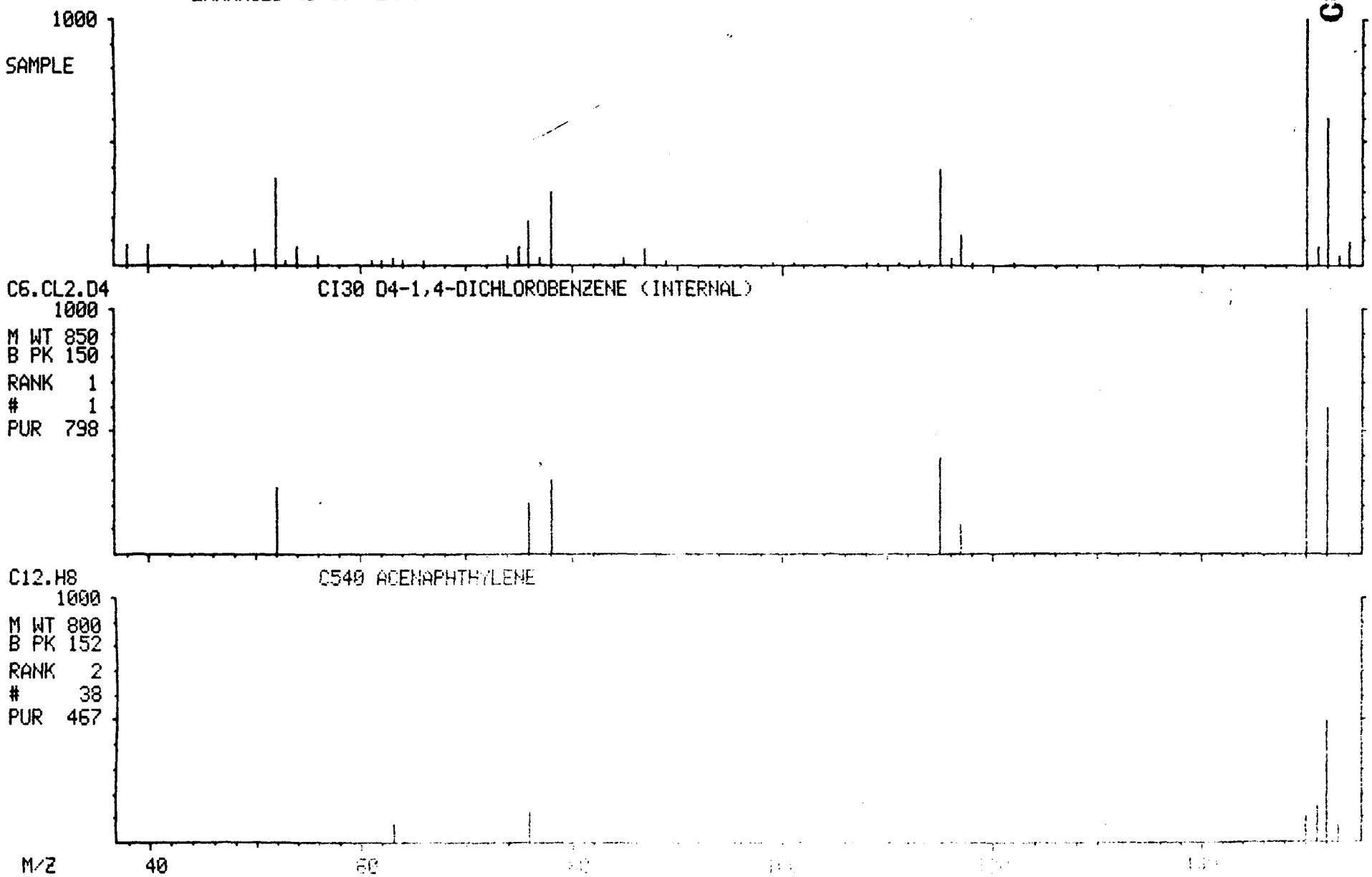
001853

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 11:54
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1200
CALI: APR22VG02 # 3

BASE M/Z: 150
RIC: 90880.

C01854

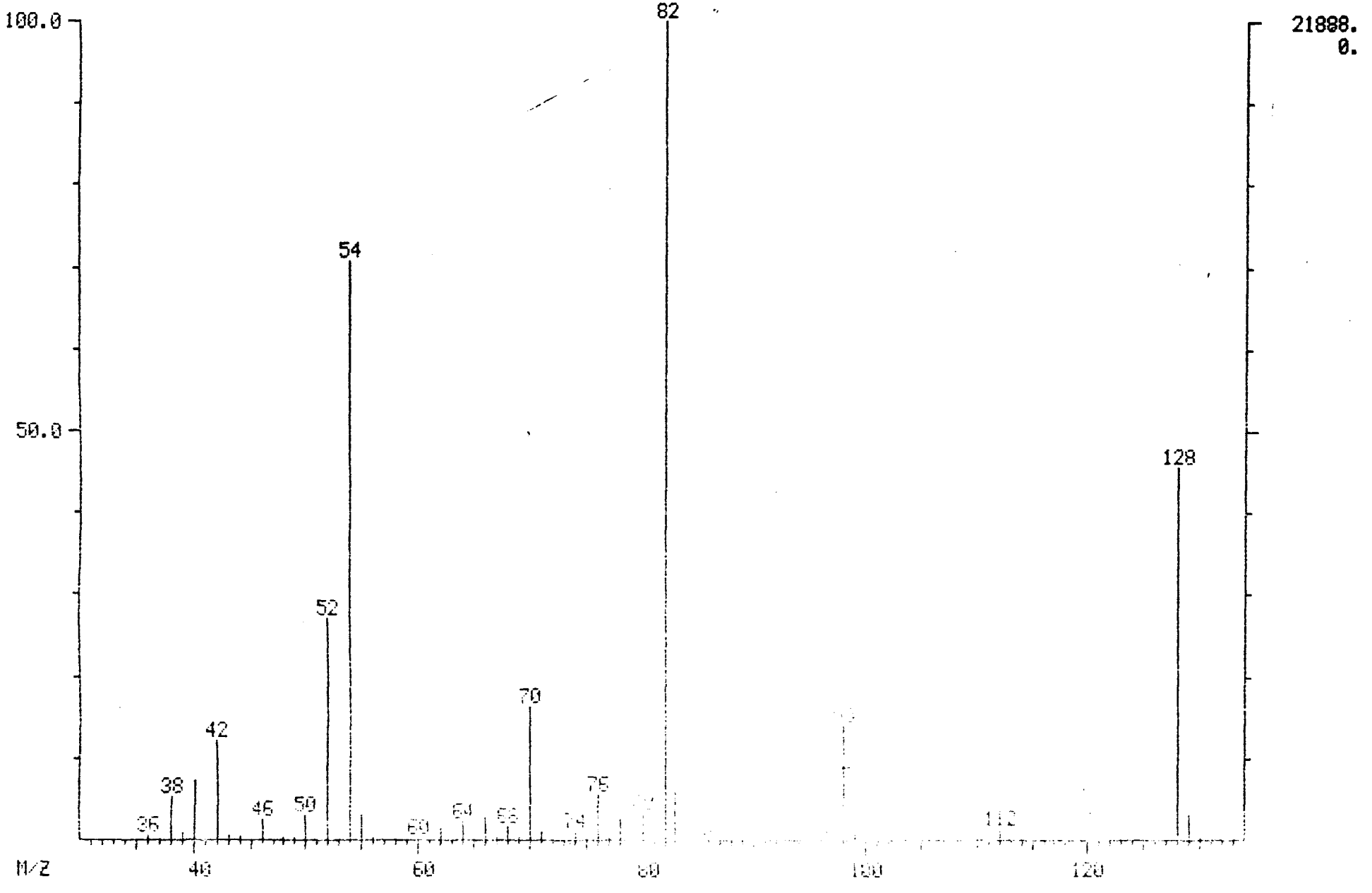


MASS SPECTRUM
04/22/91 18:16:00 + 13:18
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1341
CALI: APR22VG02 #3

BASE M/Z: 82
RIC: 75648.

001855

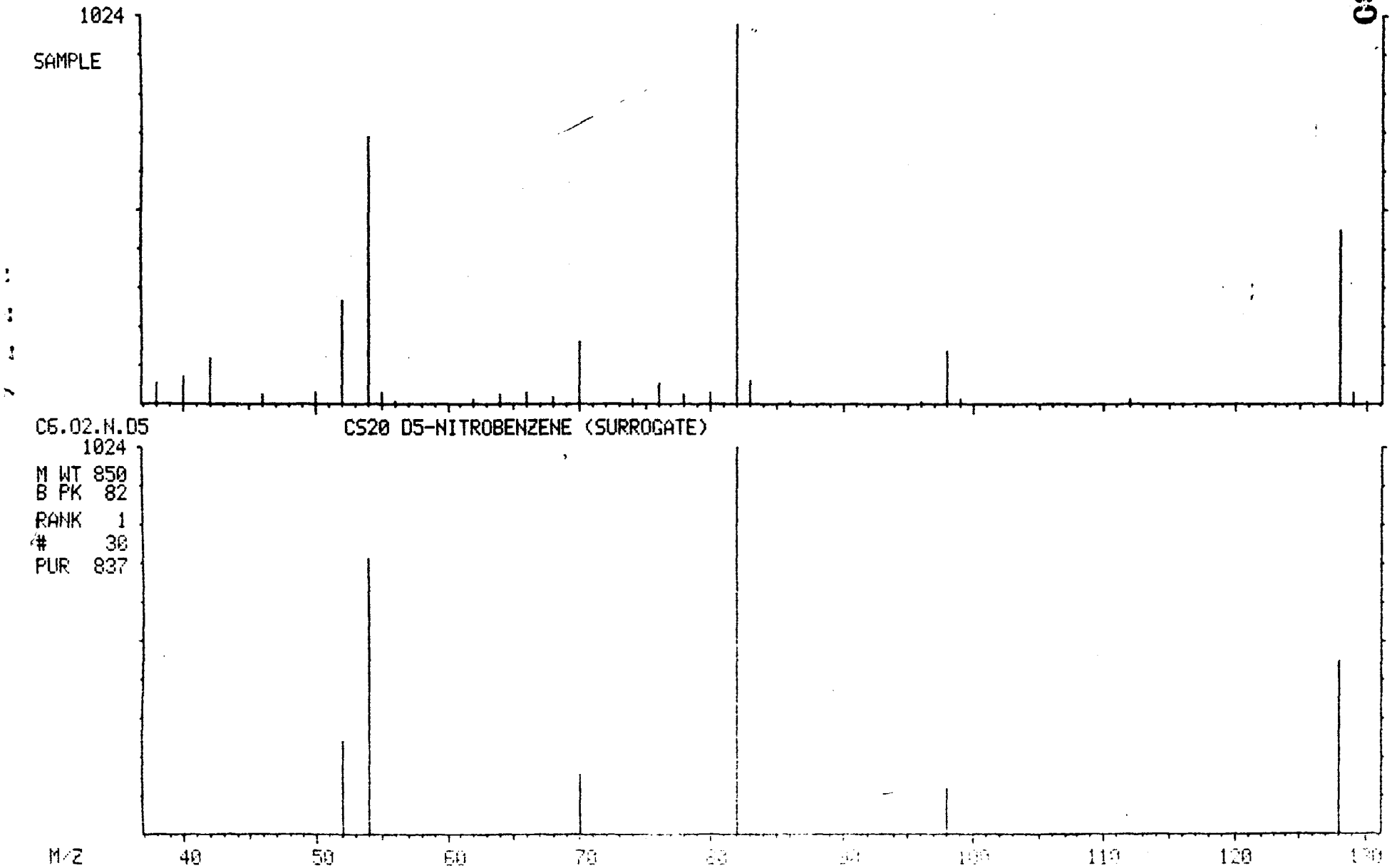


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 13:18
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1341
CALI: APR22VG02 # 3

BASE M/Z: 82
RIC: 74496.

G01856

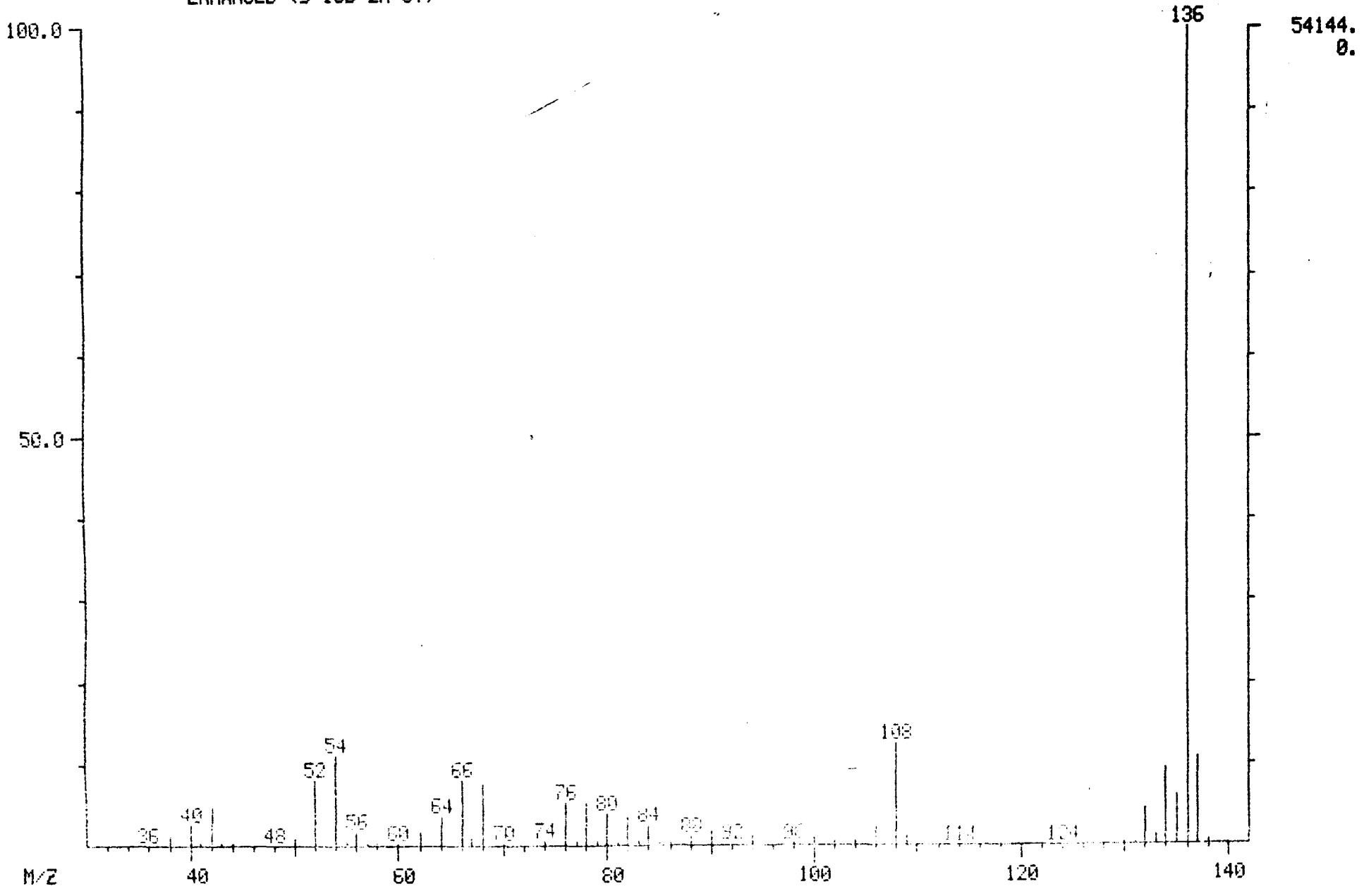


MASS SPECTRUM
04/22/91 18:16:00 + 15:04
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1520
CALI: APR22VG02 #3

BASE M/Z: 136
RIC: 126720.

C01857

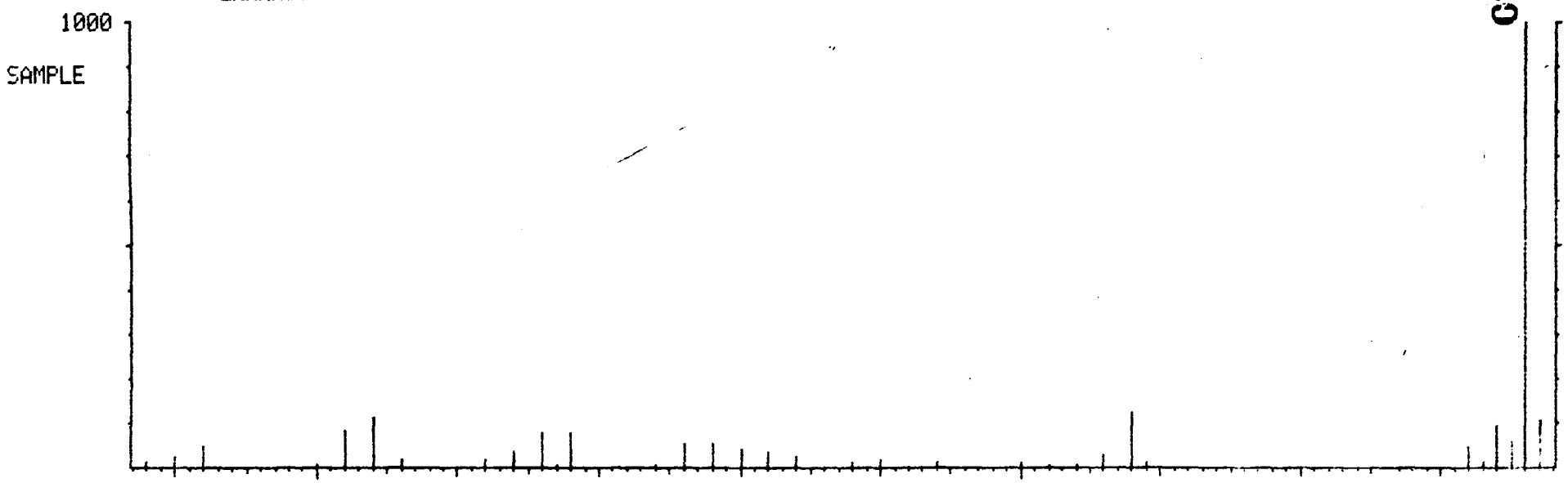


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 15:04
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

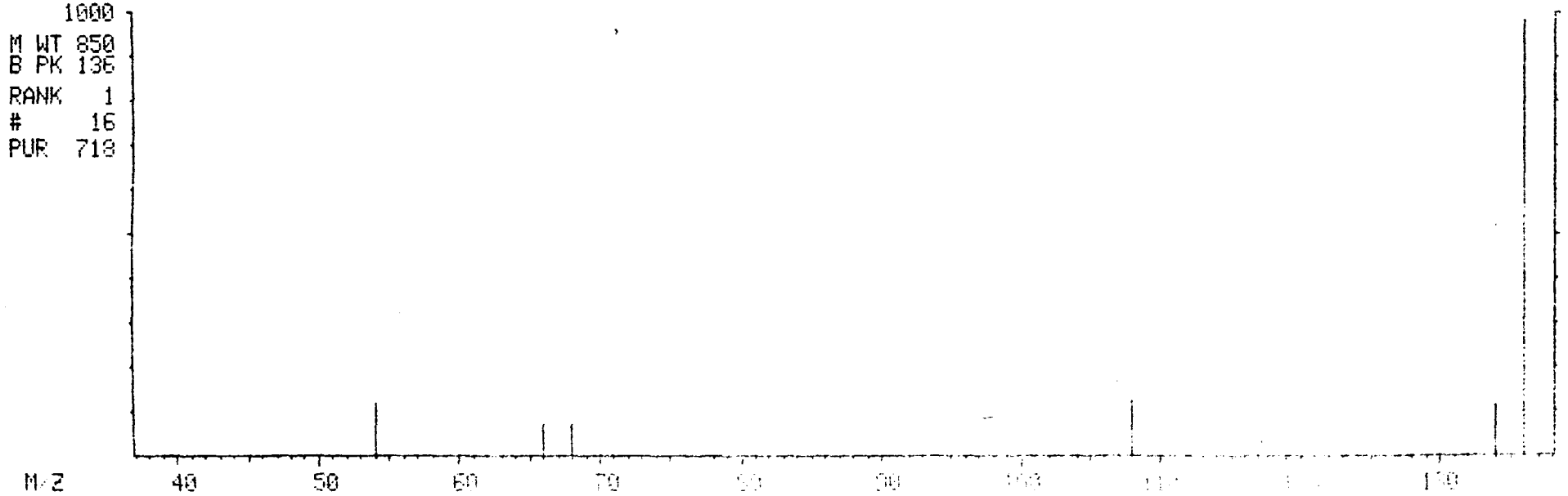
DATA: APR22VG02 #1520
CALI: APR22VG02 # 3

BASE M/Z: 136
RIC: 122624.

001858



C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)

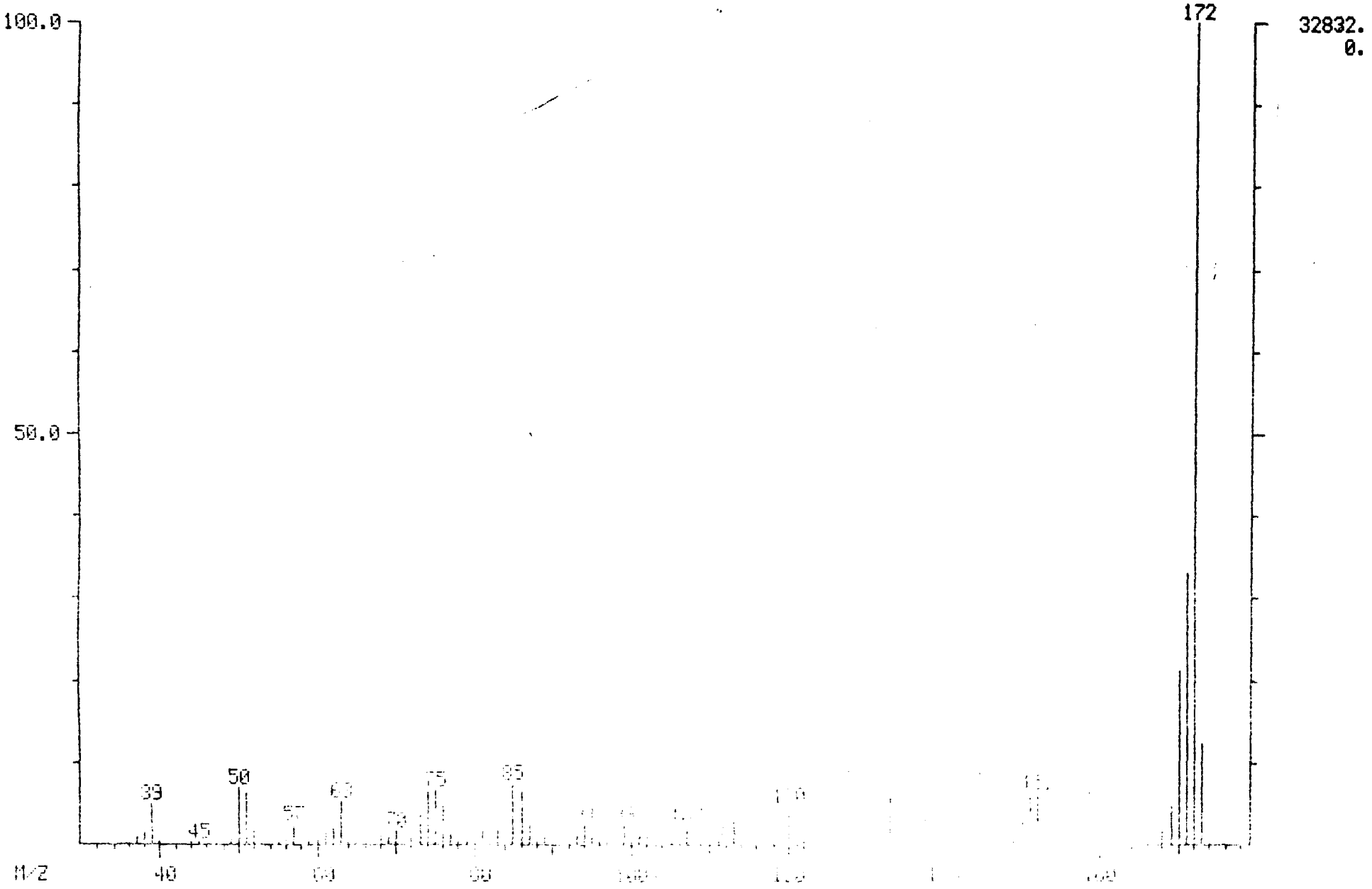


MASS SPECTRUM
04/22/91 18:16:00 + 17:52
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1803
CALI: APR22VG02 #3

BASE M/Z: 172
RIC: 114048.

C01029

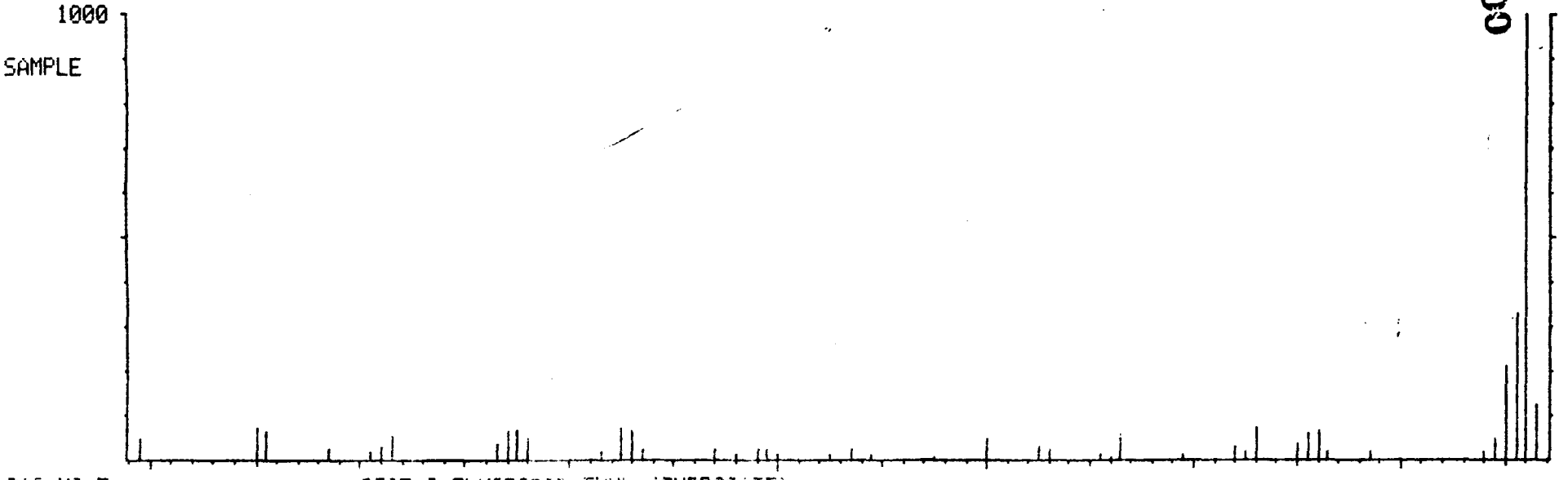


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 17:52
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

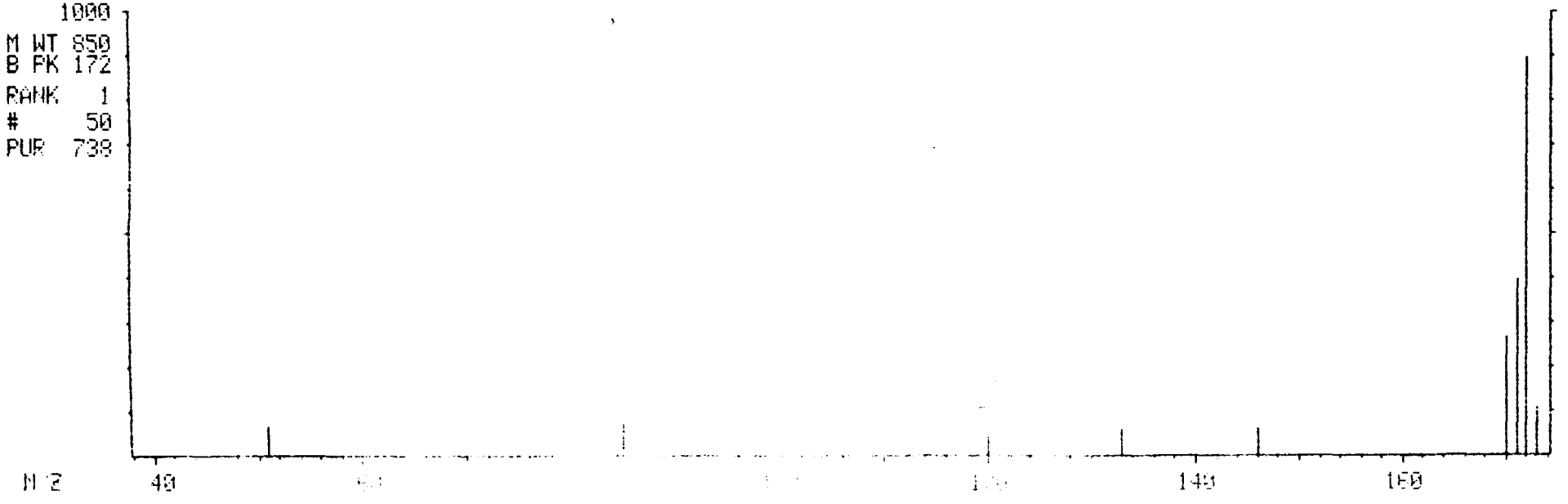
DATA: APR22VG02 #1803
CALI: APR22VG02 # 3

BASE M/Z: 172
RIC: 101248.

001860



C12.H9.F CS25 2-FLUOROBIPHENYL (SURROGATE)

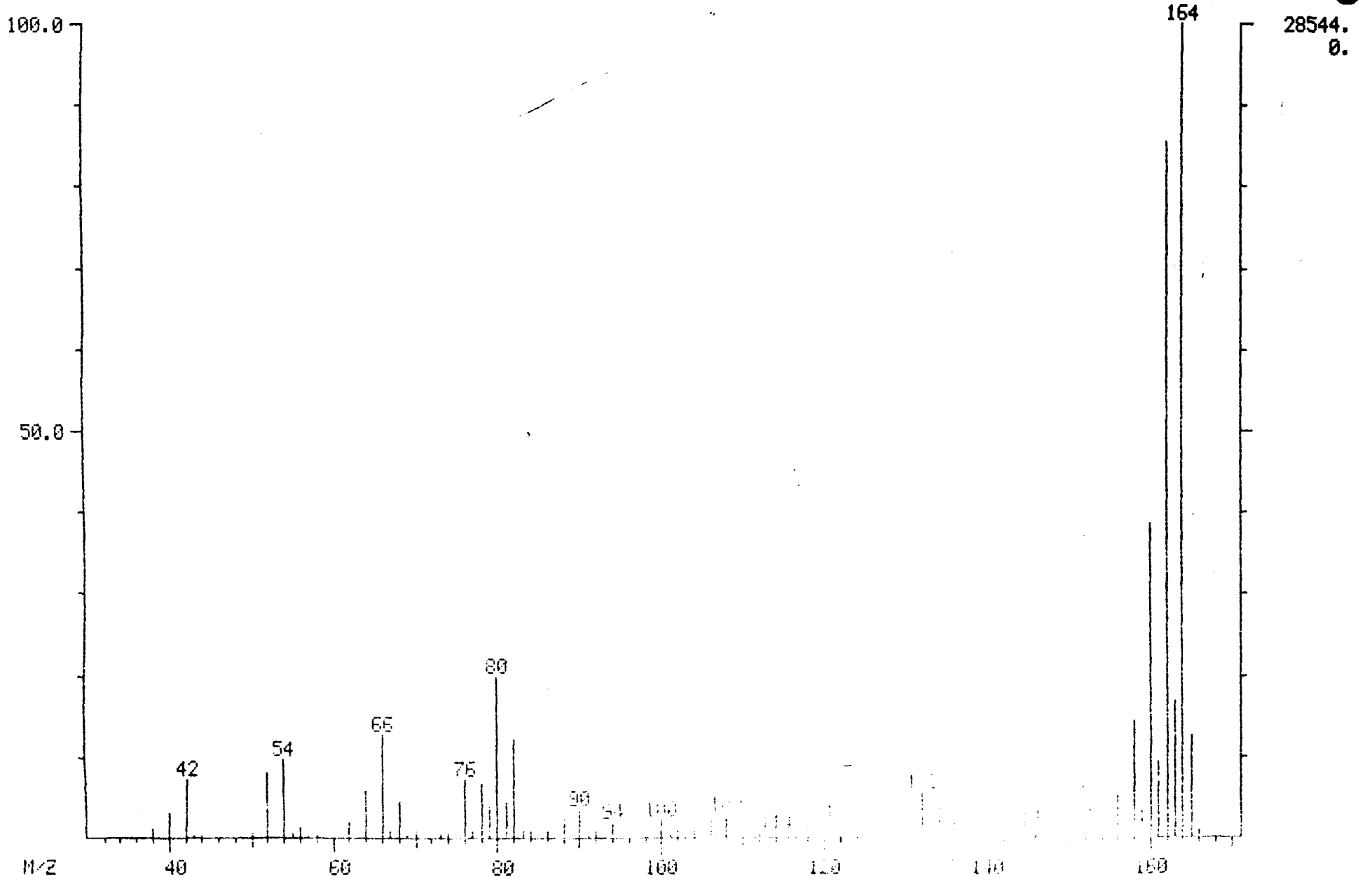


MASS SPECTRUM
04/22/91 18:16:00 + 19:38
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22UG02 #1981
CALI: APR22UG02 #3

BASE M/Z: 164
RIC: 128640.

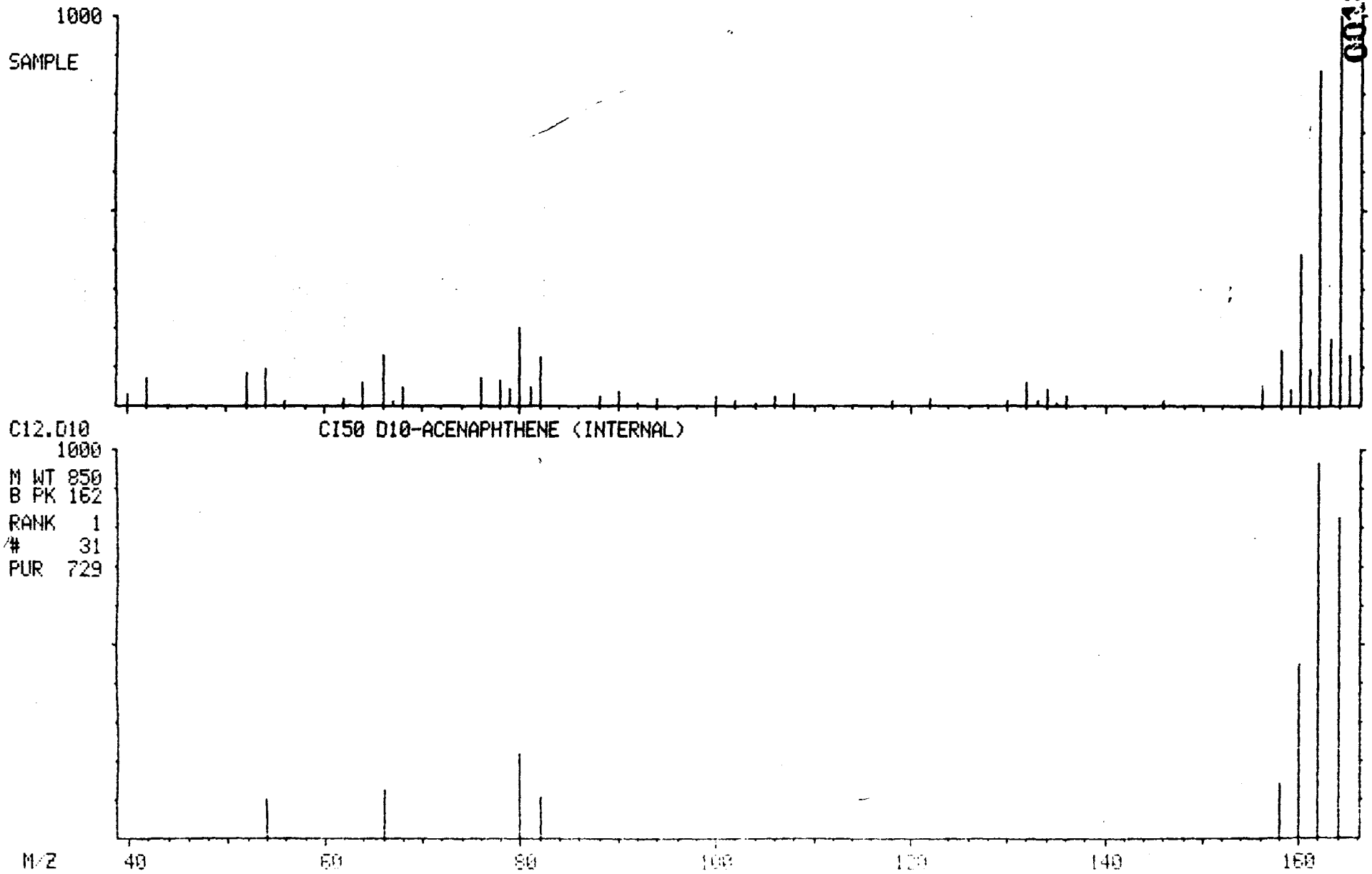
001861



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 19:38
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1981
CALI: APR22VG02 # 3

BASE M/Z: 164
RIC: 123776.



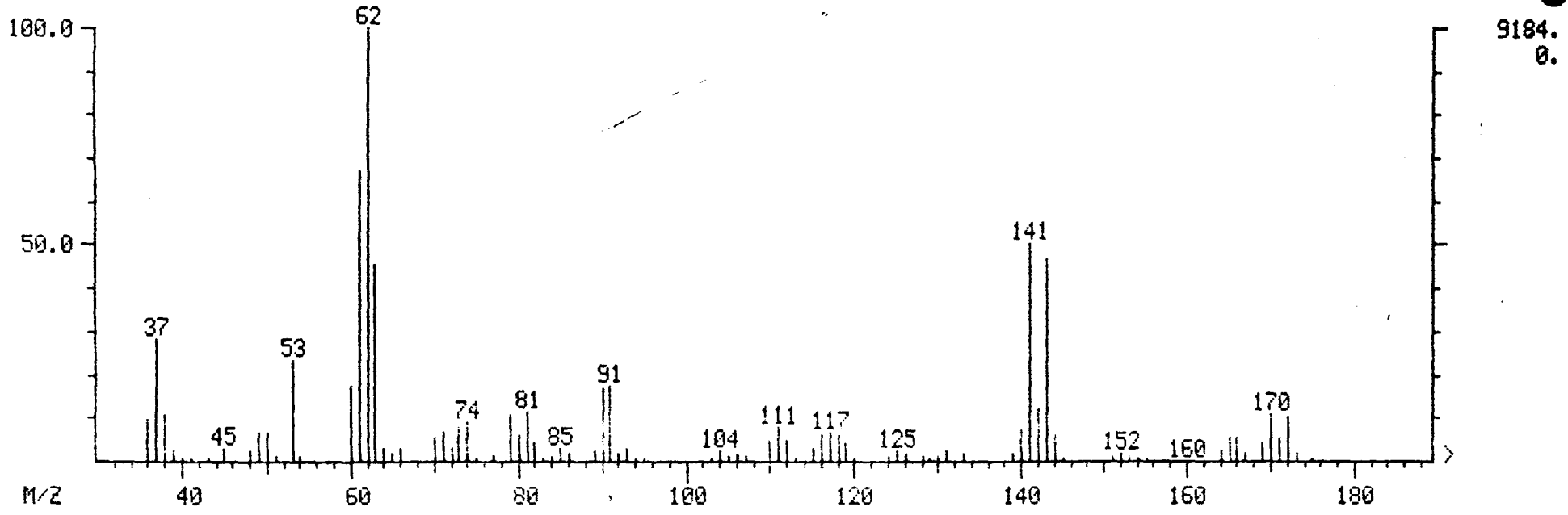
001862

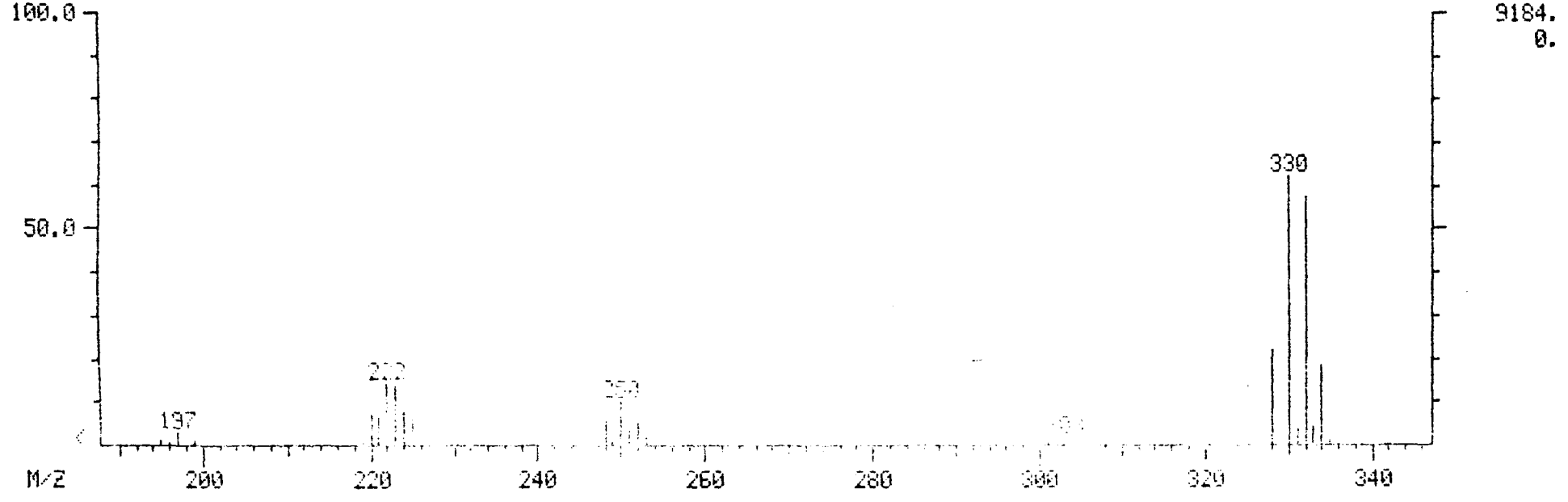
MASS SPECTRUM
04/22/91 18:16:00 + 21:42
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2189
CALI: APR22VG02 #3

BASE M/Z: 62
RIC: 88064.

001863



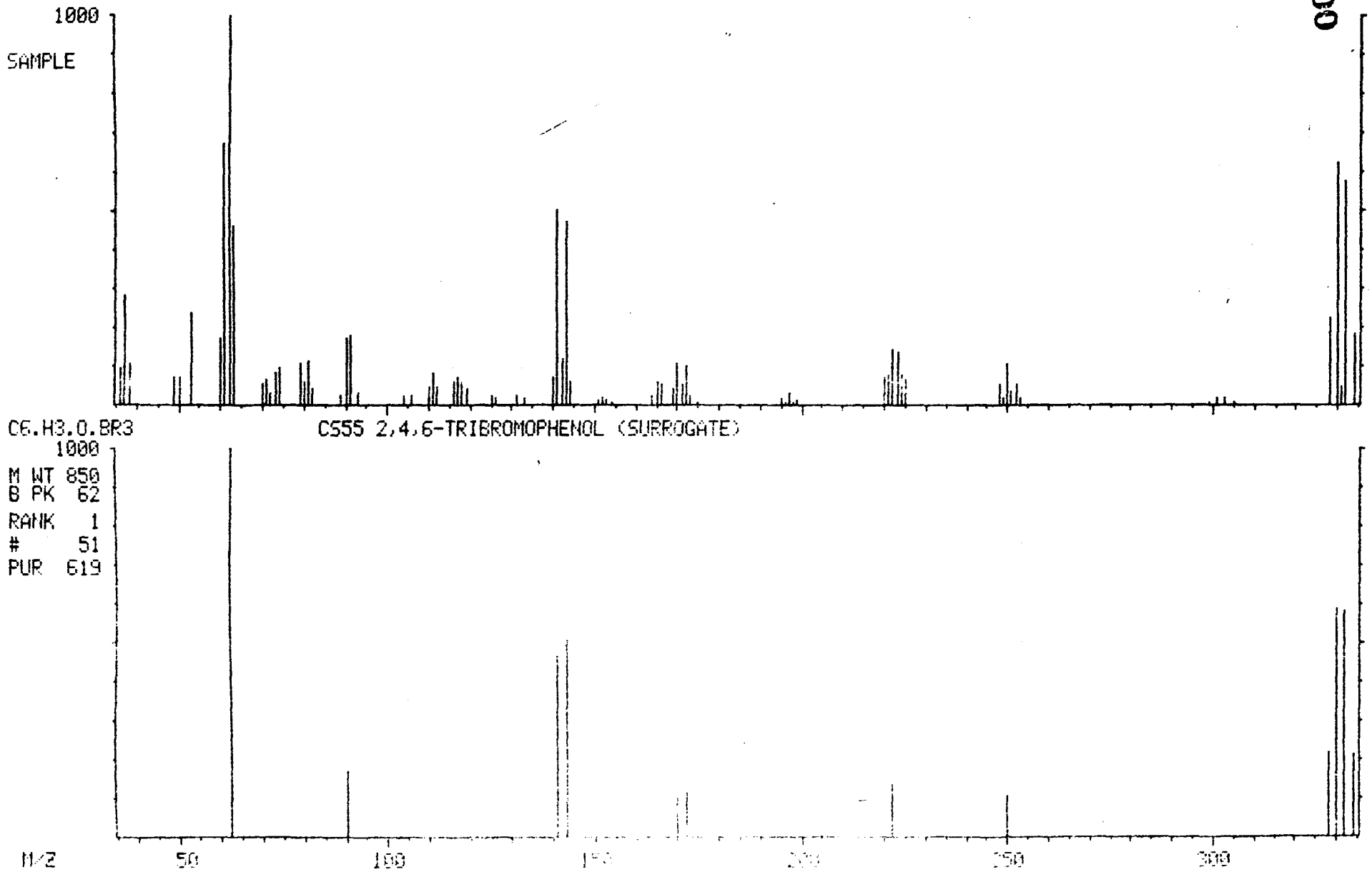


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 21:42
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2189
CALI: APR22VG02 # 3

BASE M/Z: 62
RIC: 83072.

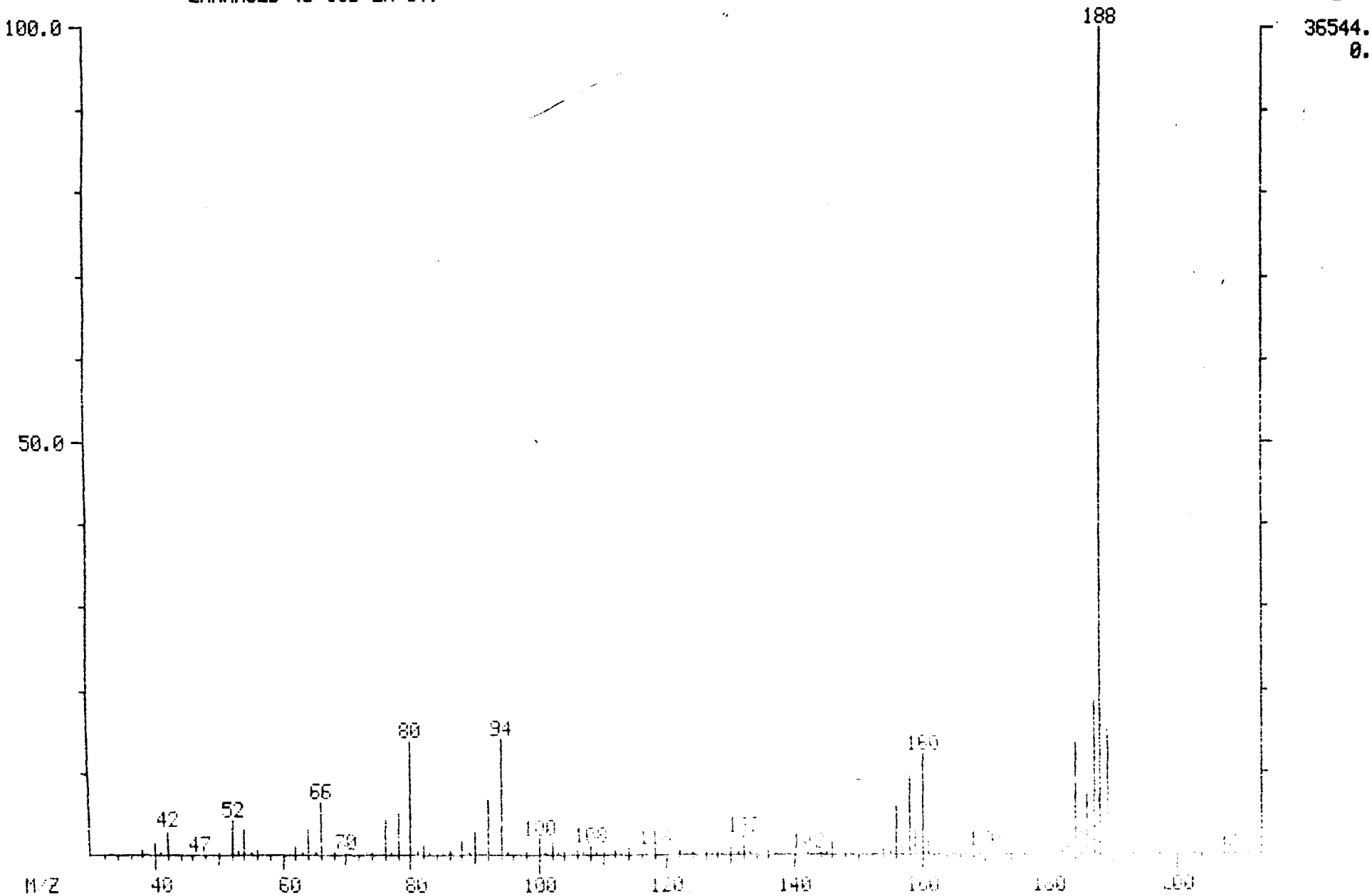
001864



MASS SPECTRUM
04/22/91 18:16:00 + 23:28
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2367
CALI: APR22VG02 #3

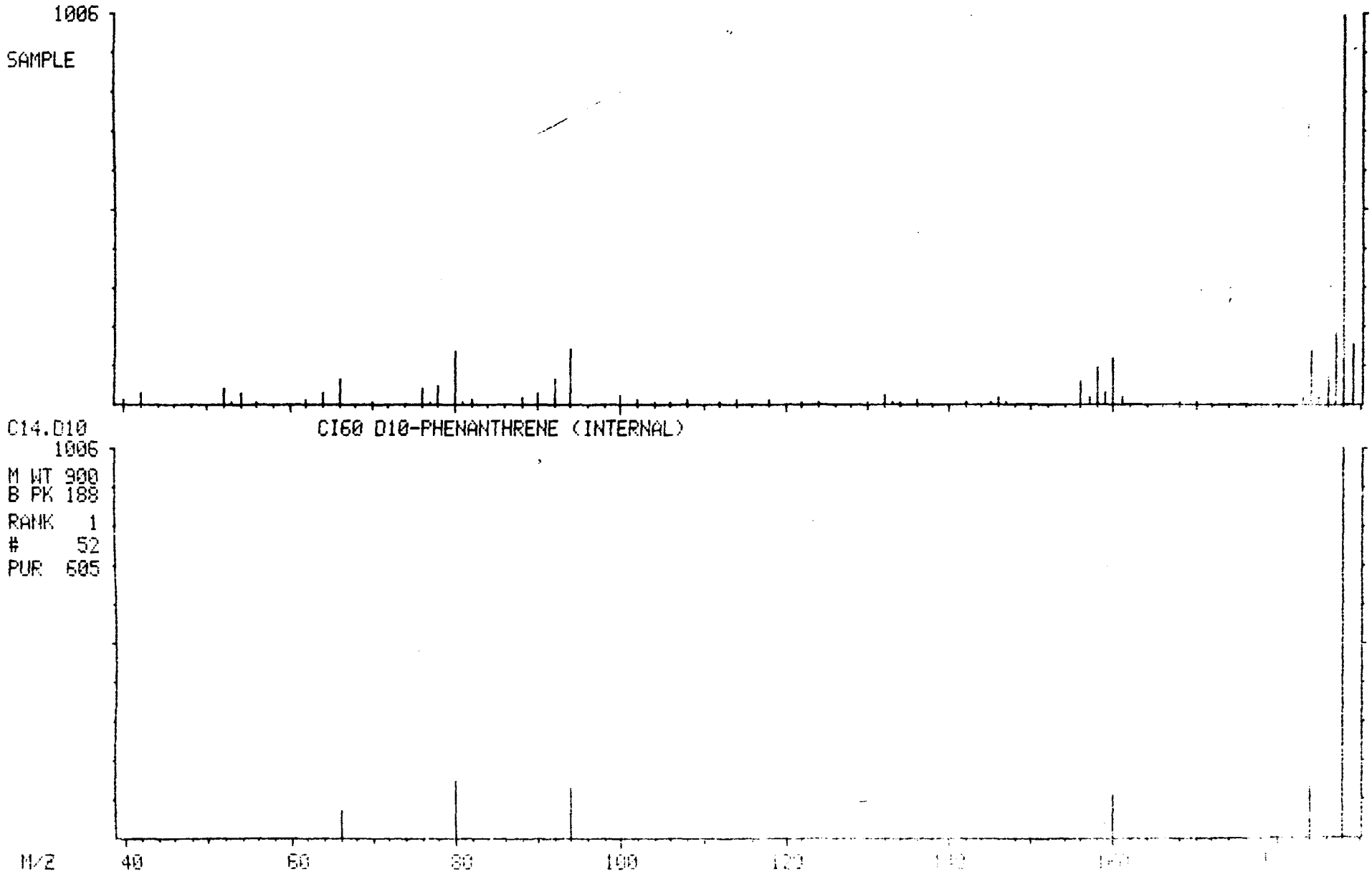
BASE M/Z: 188
RIC: 109568.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 23:28
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2367
CALI: APR22VG02 # 3

BASE M/Z: 188
RIC: 104192.

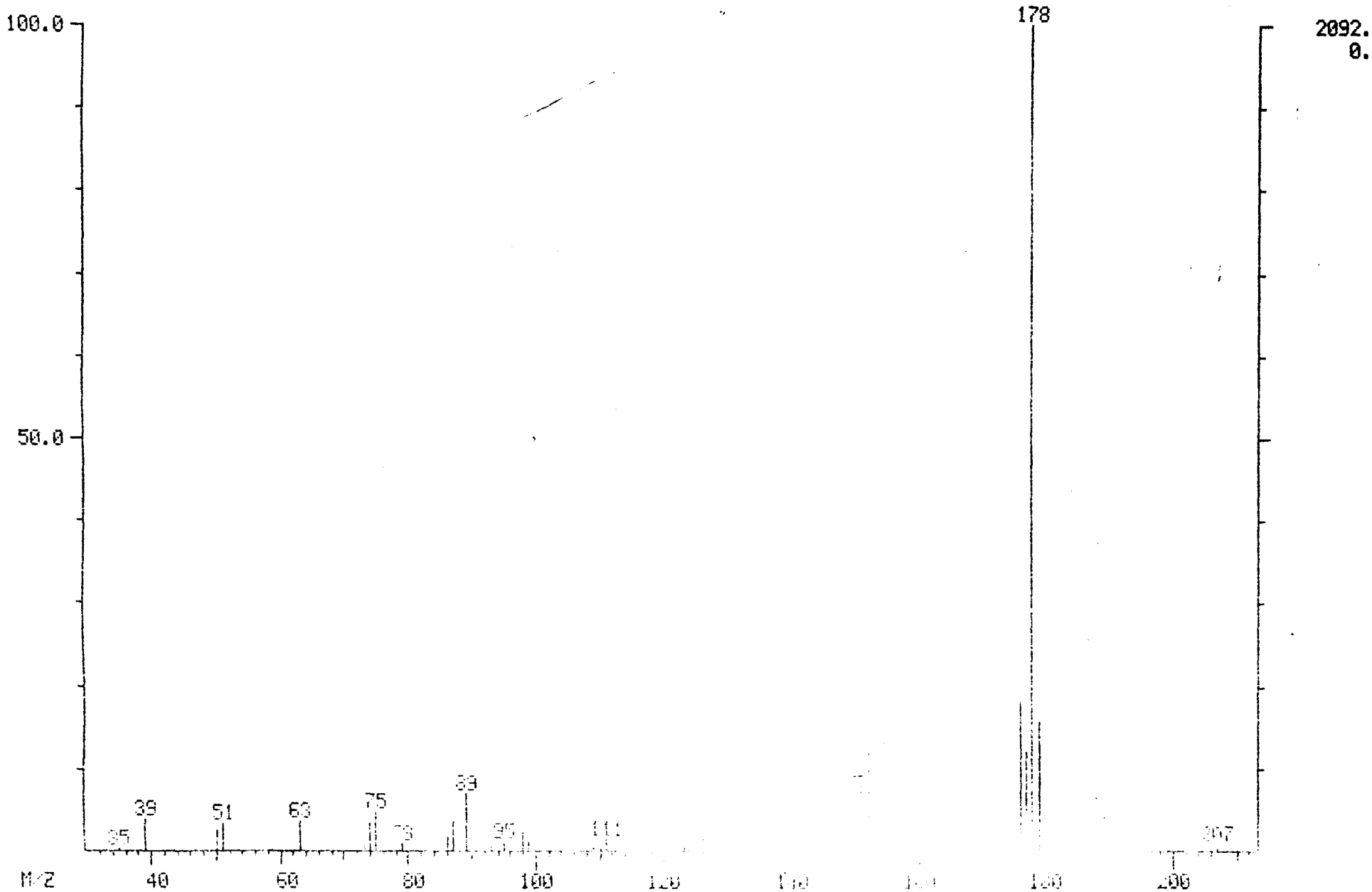


MASS SPECTRUM
04/22/91 18:16:00 + 23:31
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22UG02 #2373
CALI: APR22UG02 #3

BASE M/Z: 178
RIC: 4808.

001866

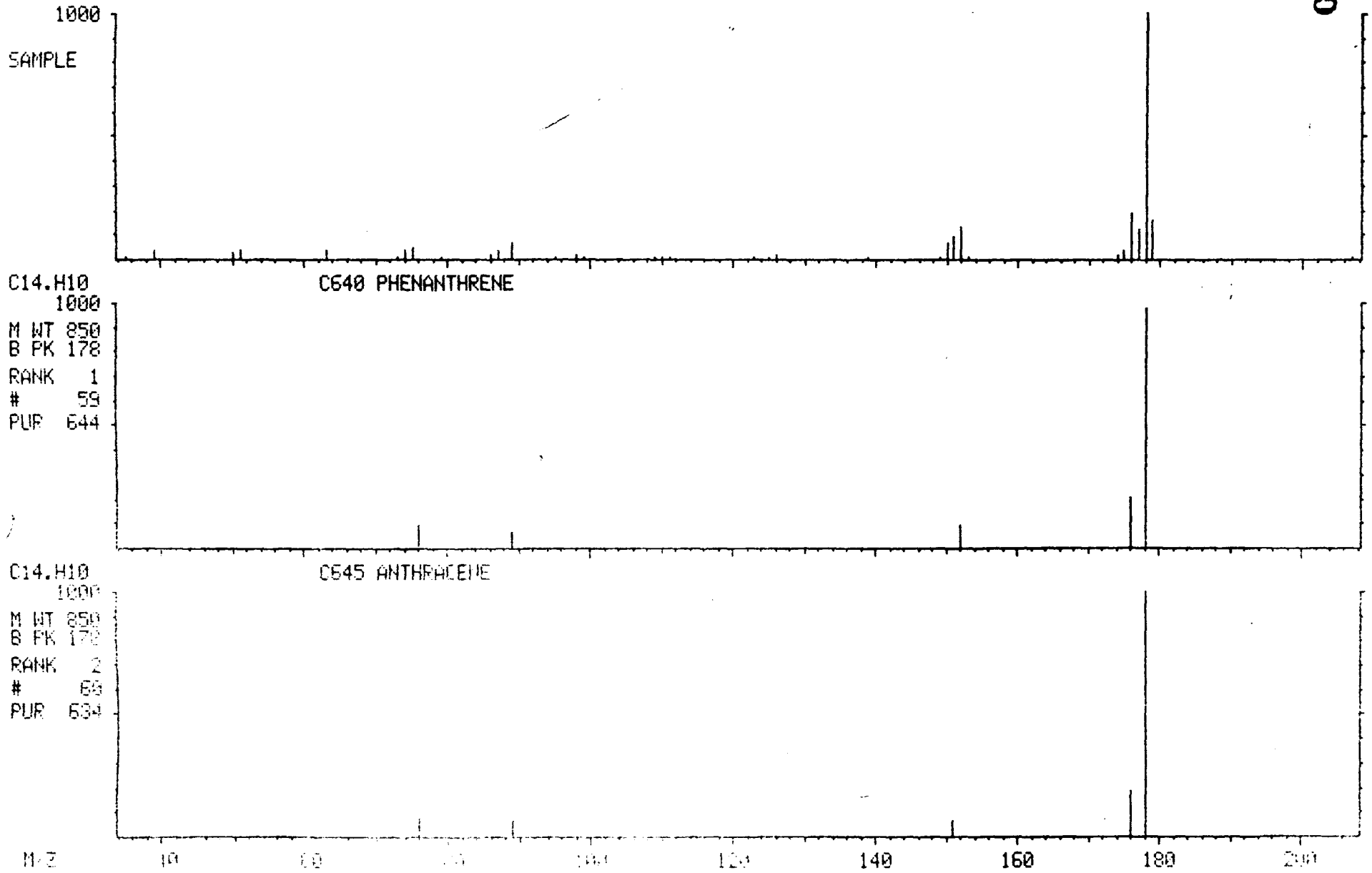


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 23:31
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2373
CALI: APR22VG02 # 3

BASE M/Z: 178
RIC: 4800.

001857

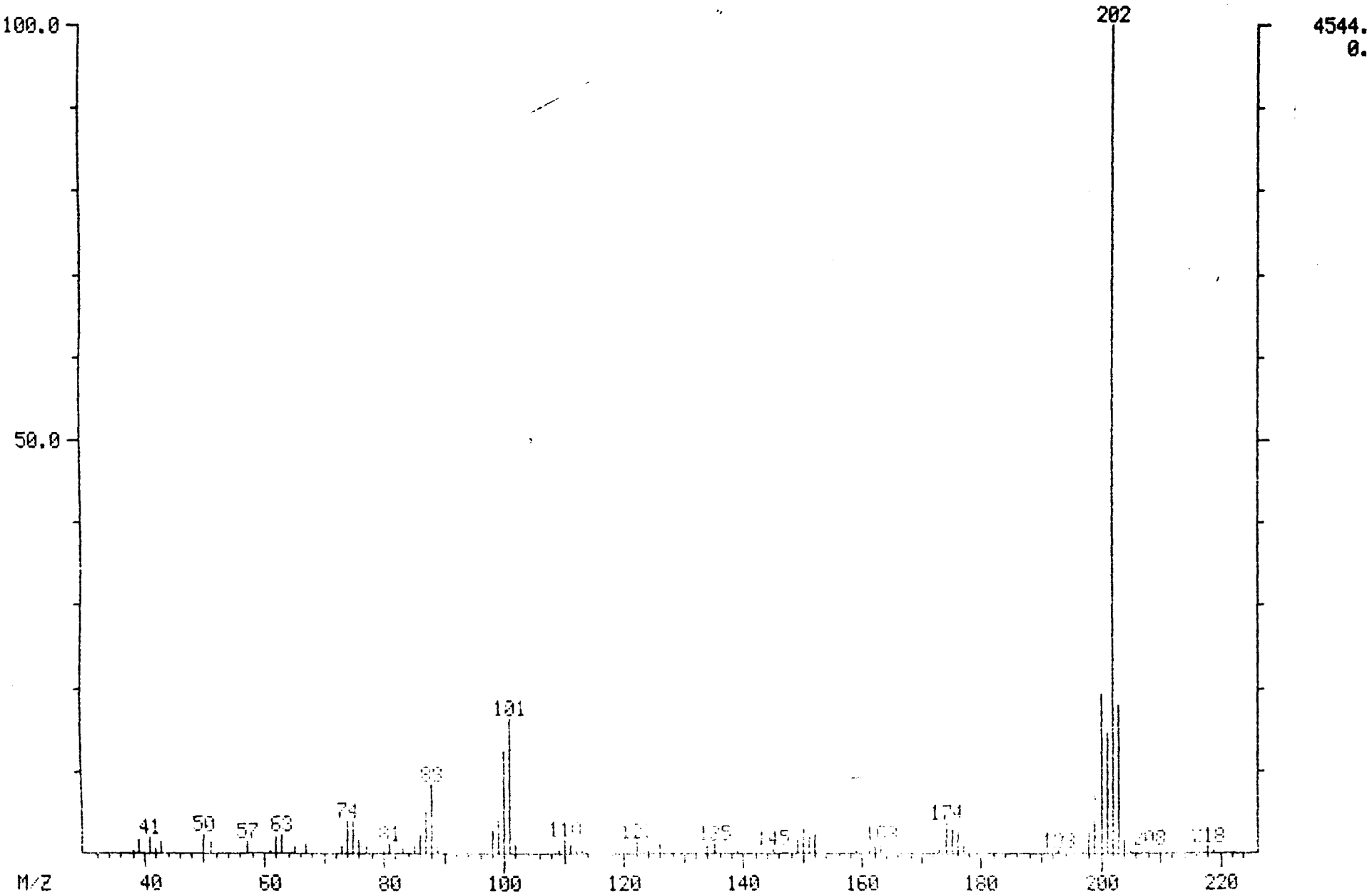


MASS SPECTRUM
04/22/91 18:16:00 + 26:40
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 268 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2691
CALI: APR22VG02 #3

BASE M/Z: 202
RIC: 12768.

001868

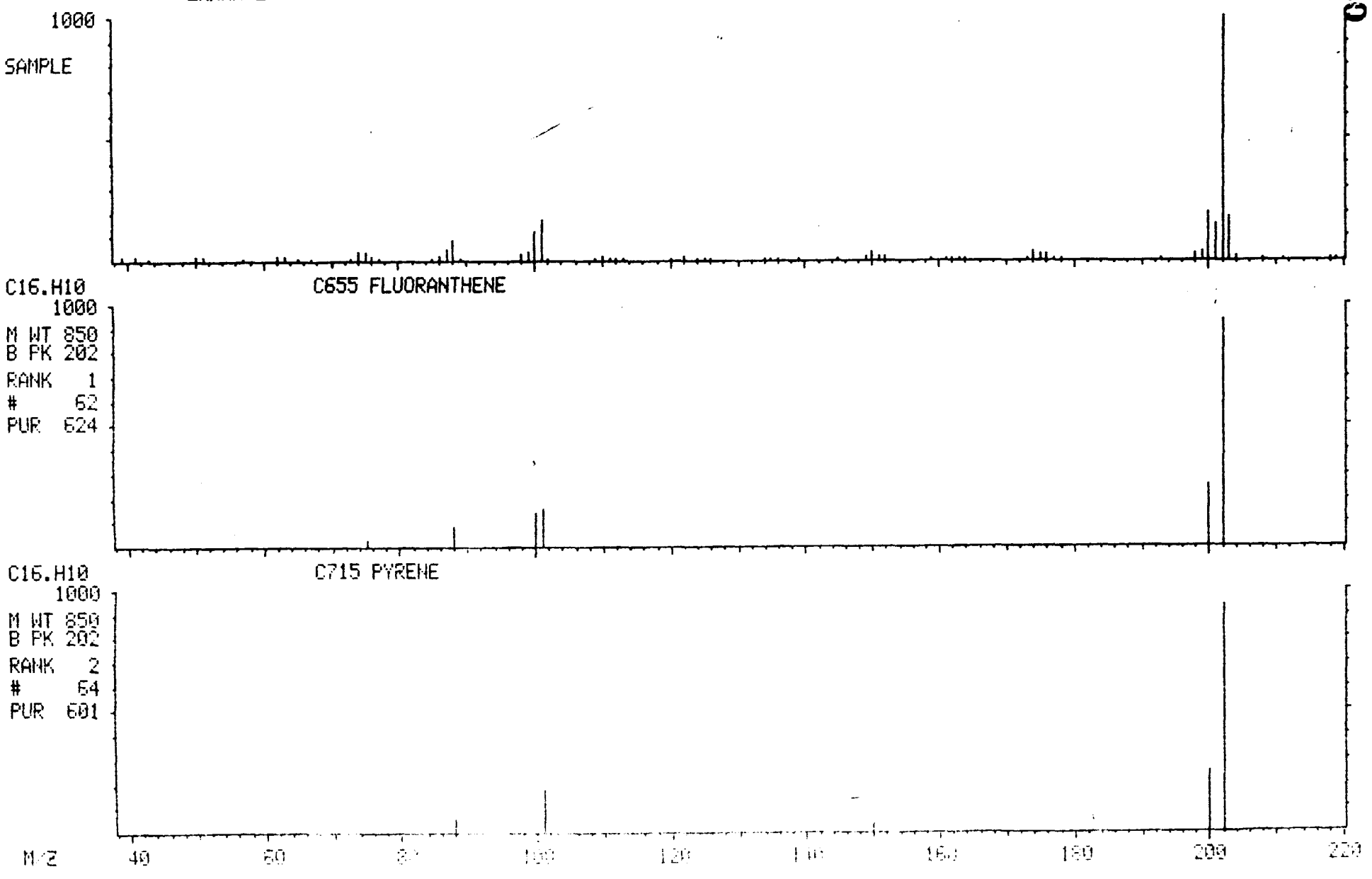


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 26:40
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2691
CALI: APR22VG02 # 3

BASE M/Z: 202
RIC: 12592.

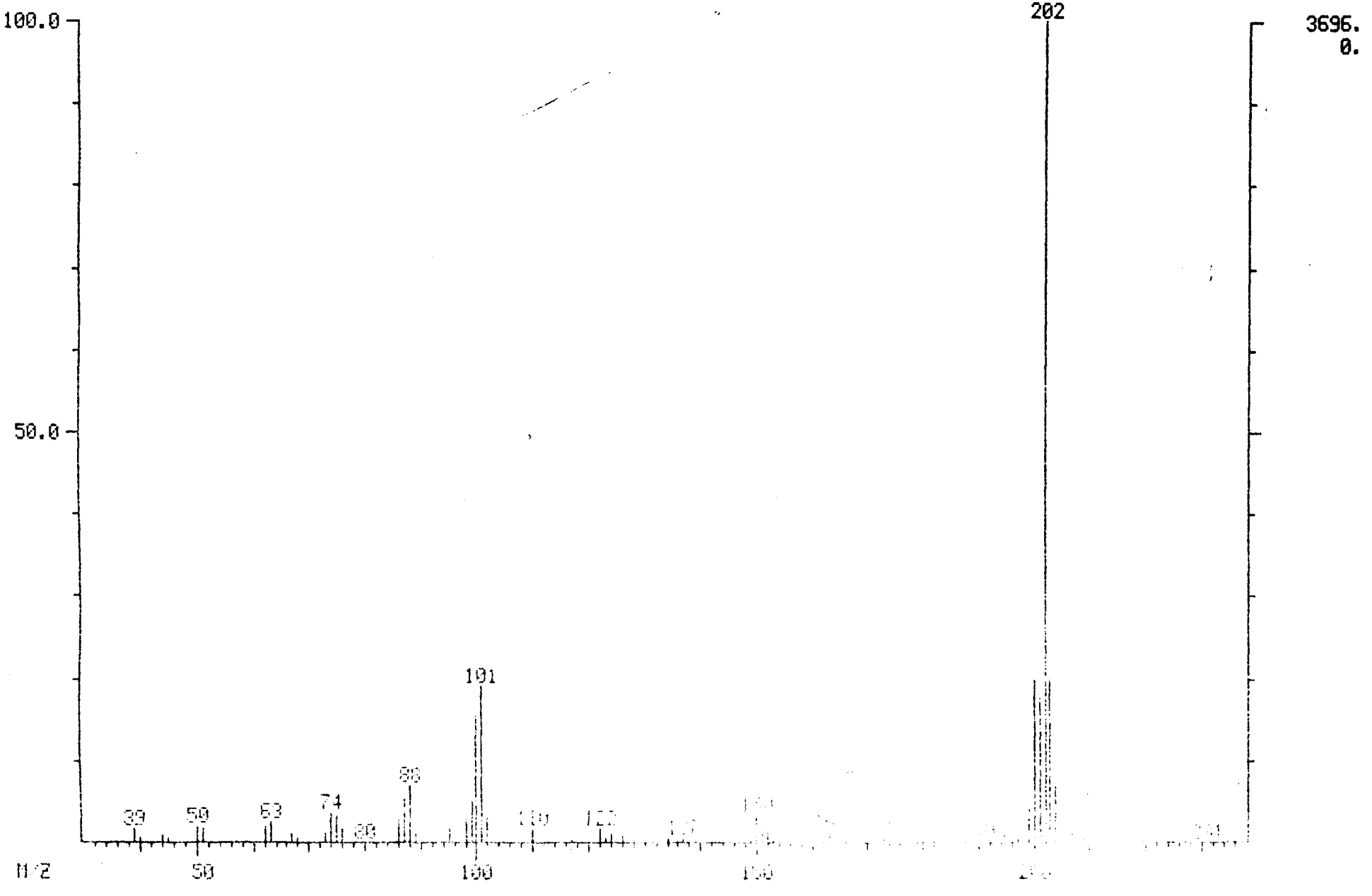
001869



MASS SPECTRUM
04/22/91 18:16:00 + 27:16
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 274 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2751
CALI: APR22VG02 #3

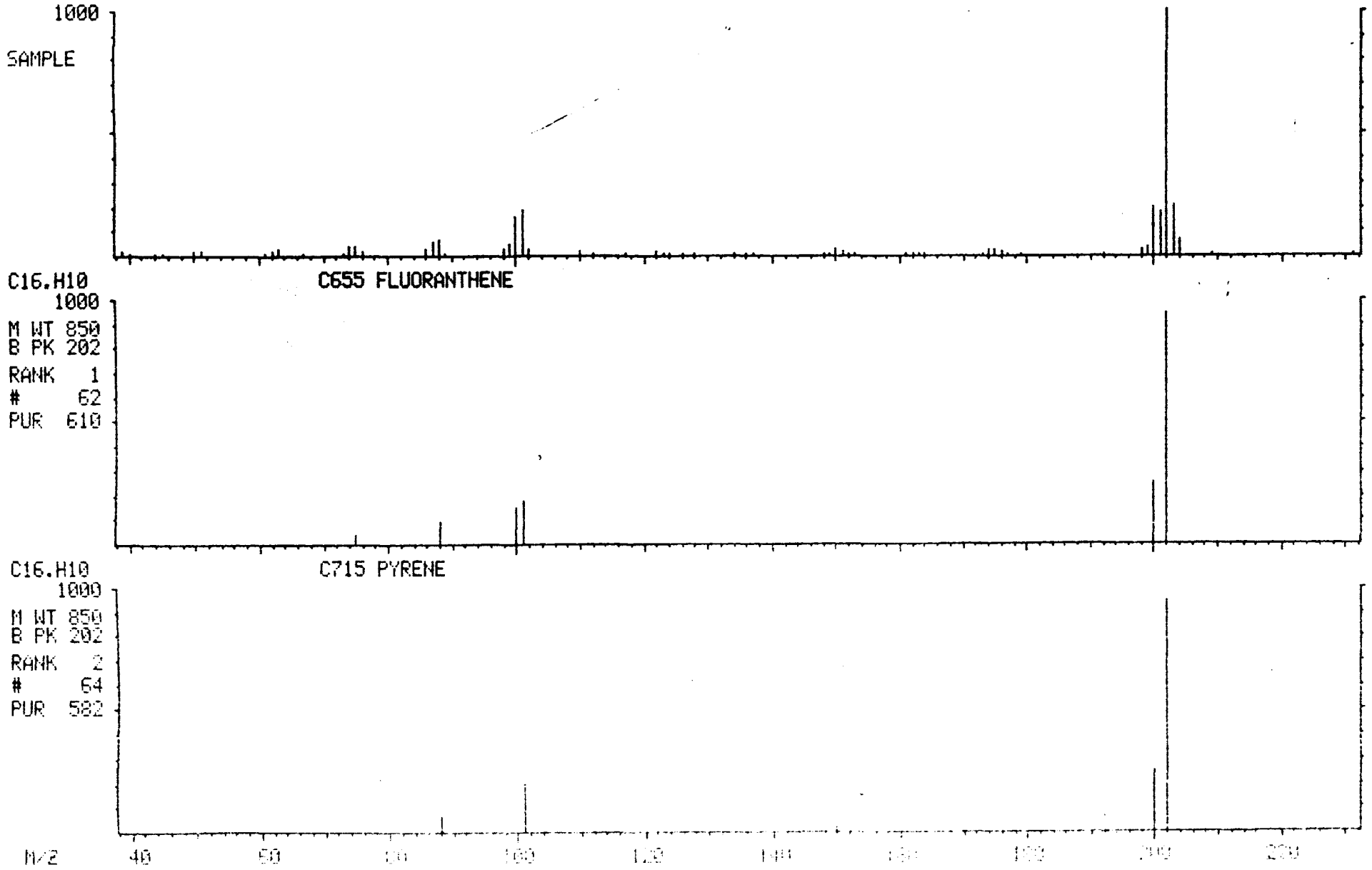
BASE M/Z: 202
RIC: 10816.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 27:16
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2751
CALI: APR22VG02 # 3

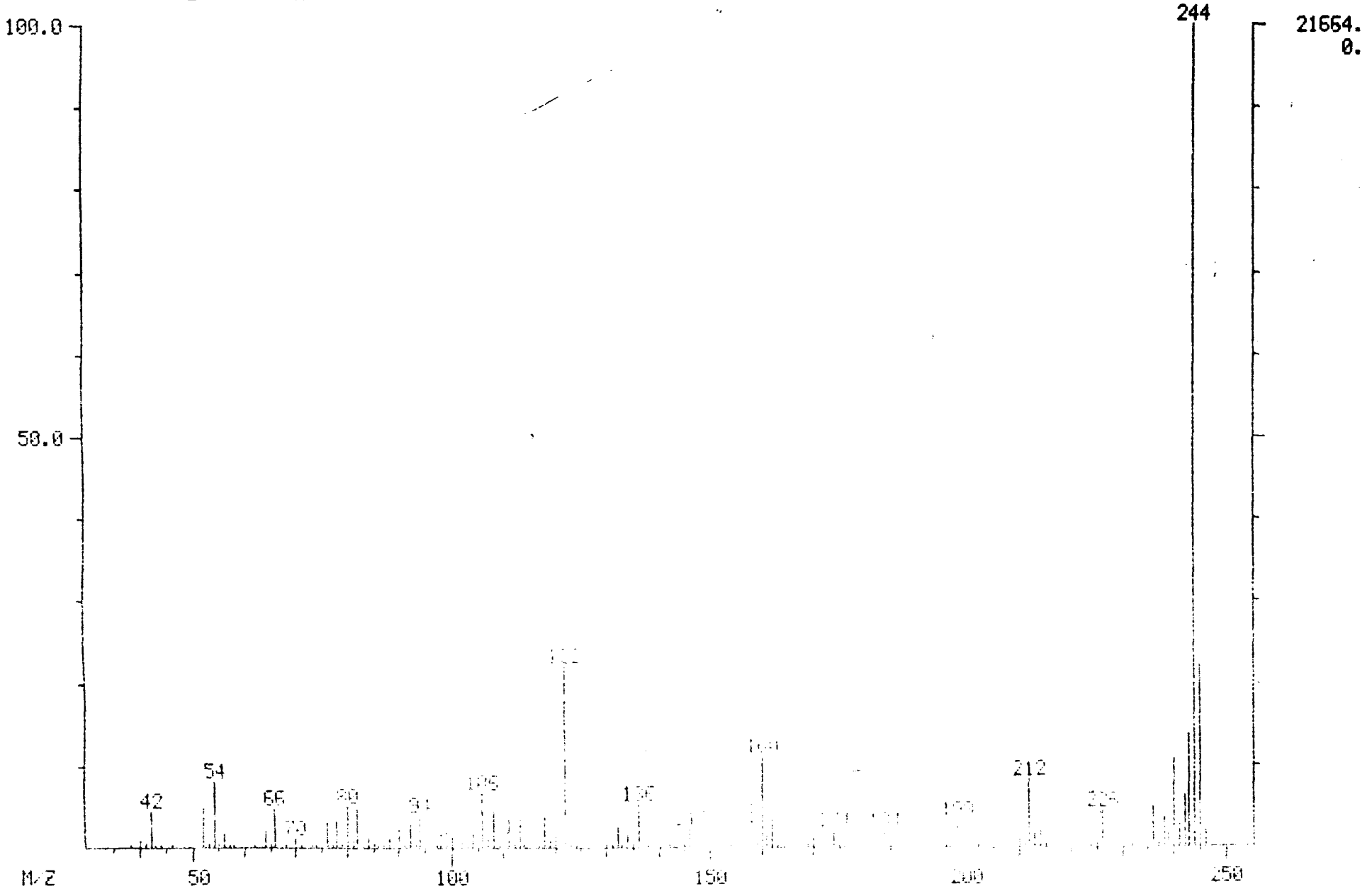
BASE M/Z: 202
RIC: 10576.



MASS SPECTRUM
04/22/91 18:16:00 + 27:39
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2790
CALI: APR22VG02 #3

BASE M/Z: 244
RIC: 82304.



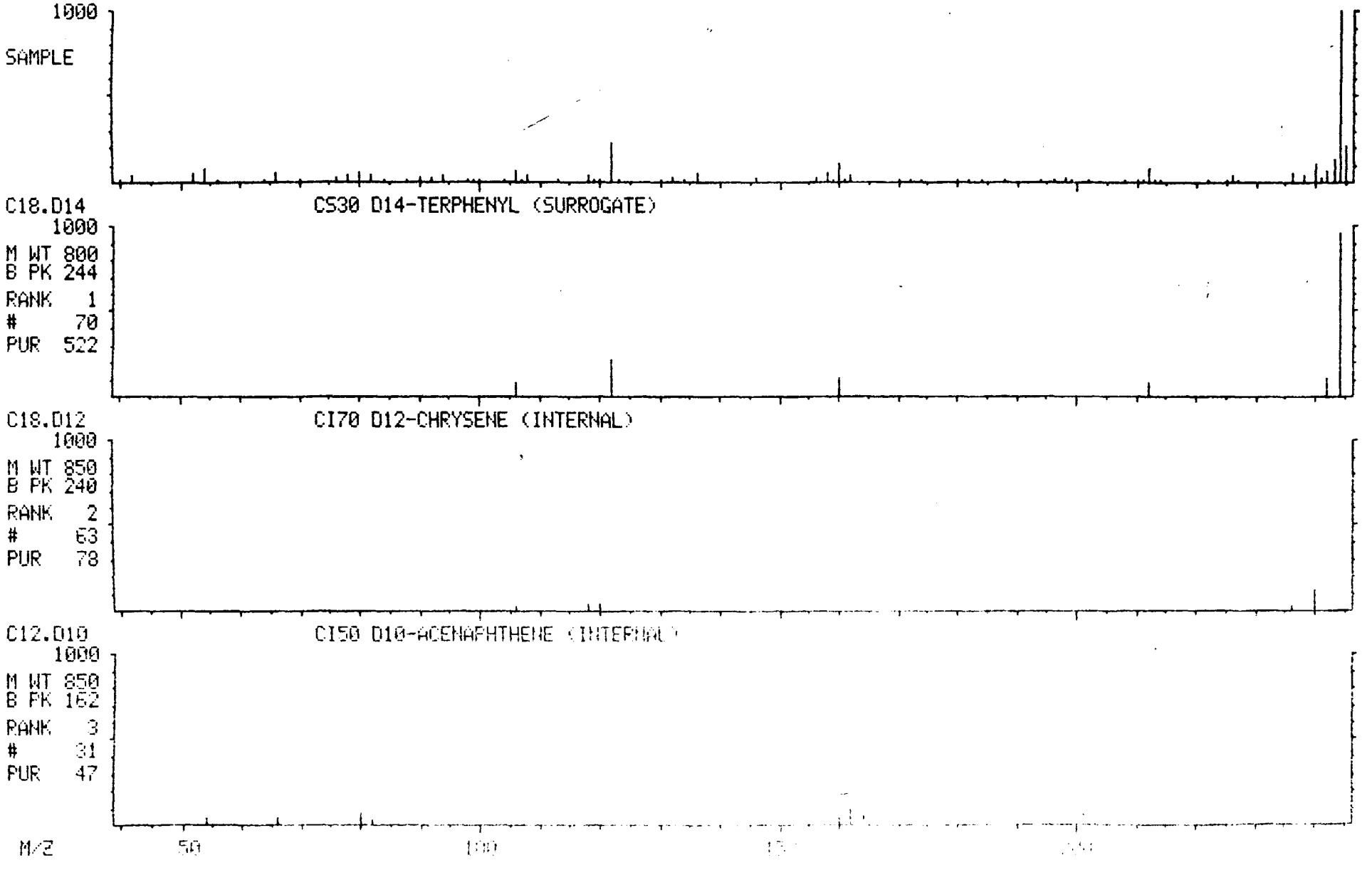
001872

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 27:39
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2790
CALI: APR22VG02 # 3

BASE M/Z: 244
RIC: 74752.

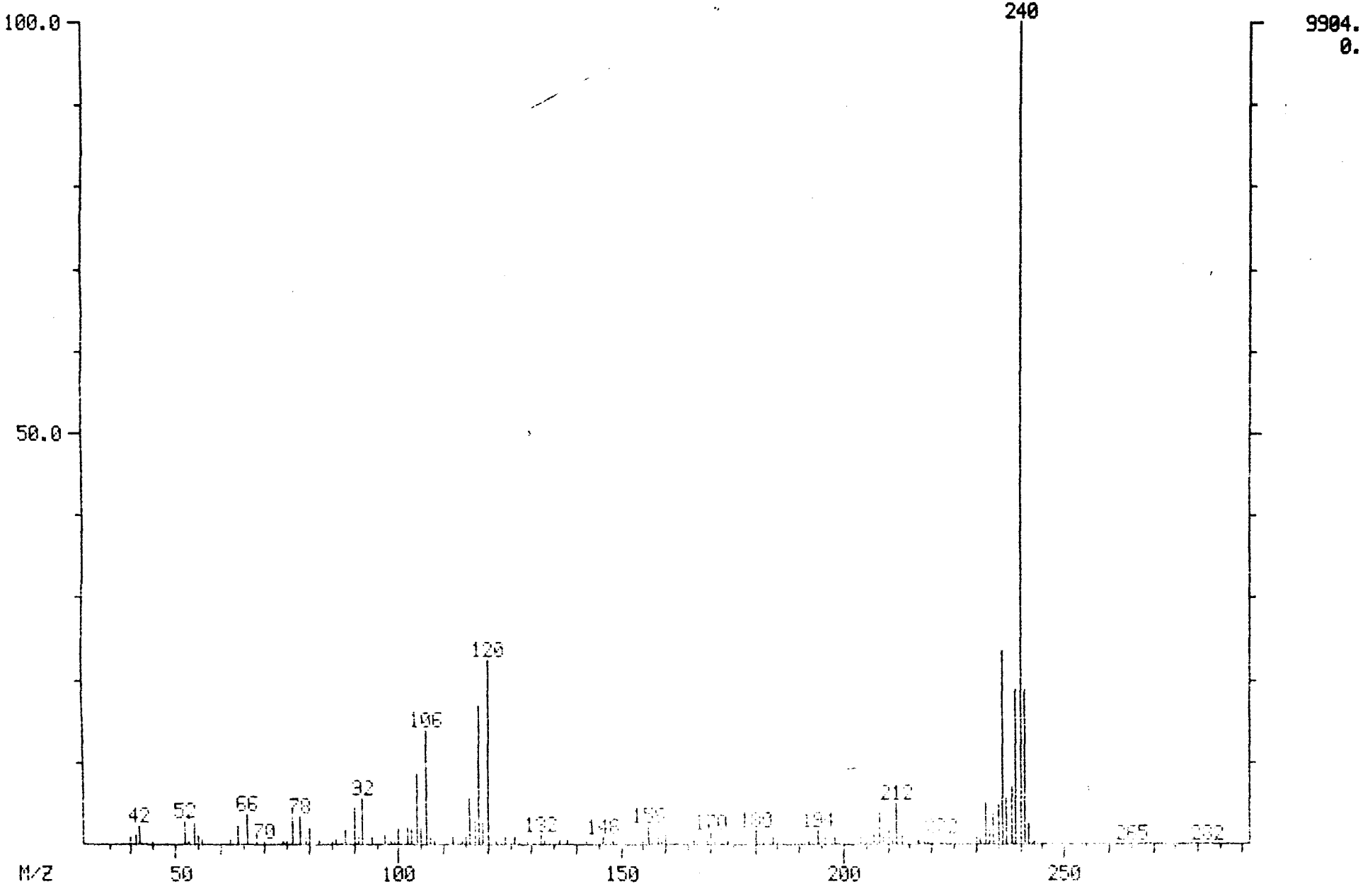
001873



MASS SPECTRUM
04/22/91 18:16:00 + 31:16
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3154
CALI: APR22VG02 #3

BASE M/Z: 240
RIC: 36544.



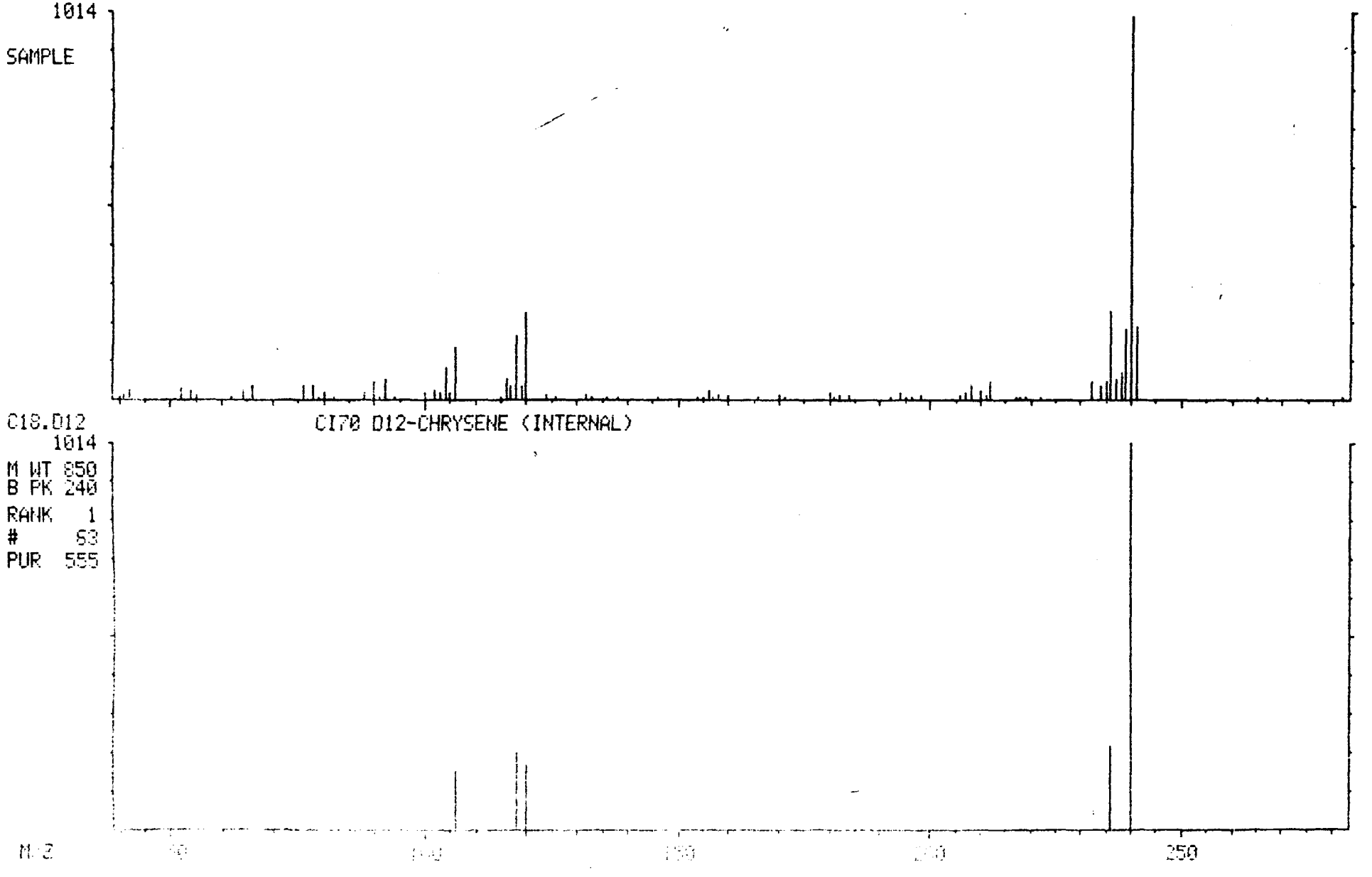
001874

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 31:16
SAMPLE: 90308 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3154
CALI: APR22VG02 # 3

BASE M/Z: 240
RIC: 34624.

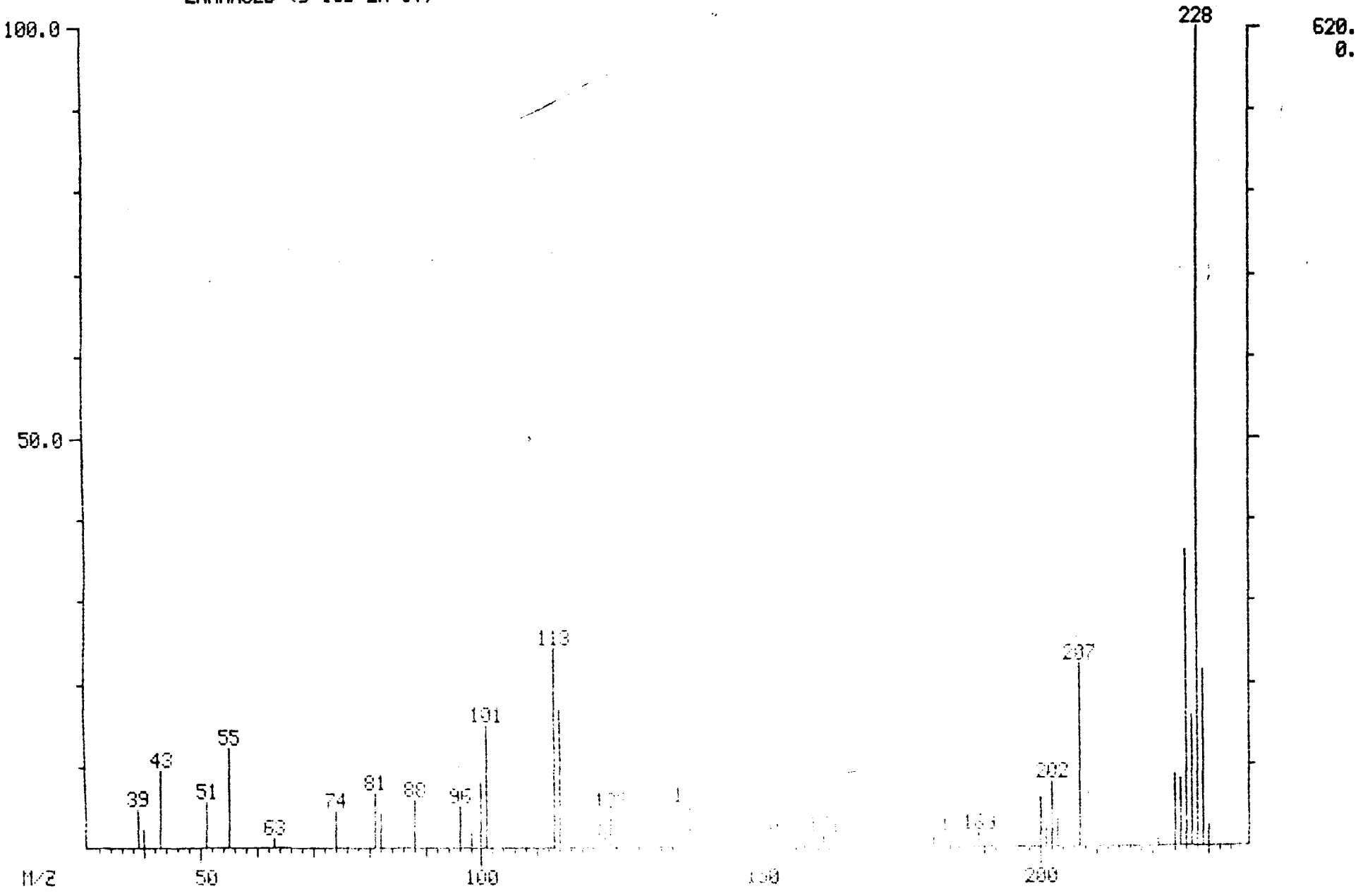
001875



MASS SPECTRUM
04/22/91 18:16:00 + 31:22
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3165
CALI: APR22VG02 #3

BASE M/Z: 228
RIC: 2416.

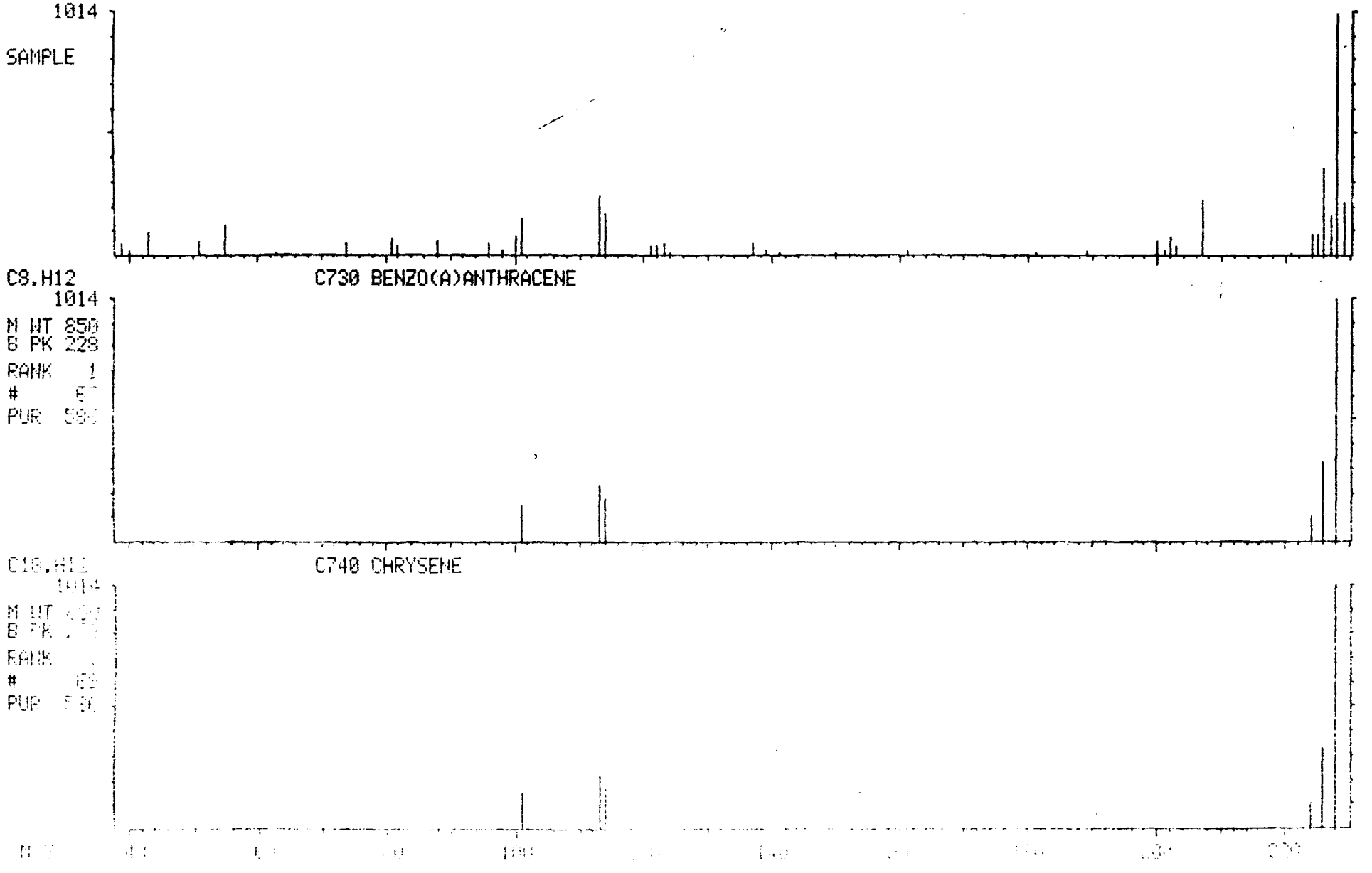


001876

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 31:22
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3165
CALI: APR22VG02 # 3

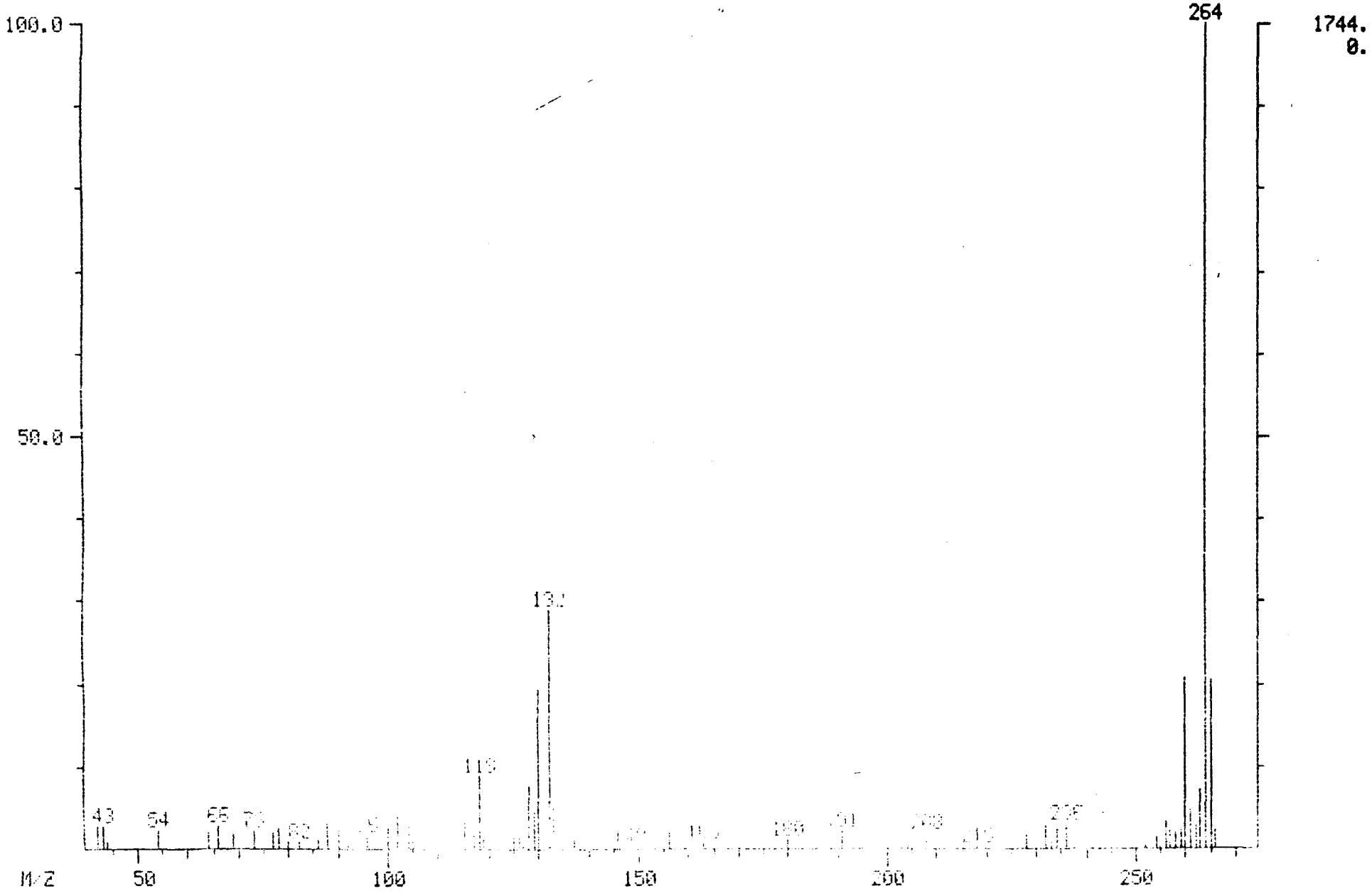
BASE M/Z: 228
RIC: 2400.



MASS SPECTRUM
04/22/91 18:16:00 + 40:28
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #4083
CALI: APR22VG02 #3

BASE M/Z: 264
RIC: 5664.



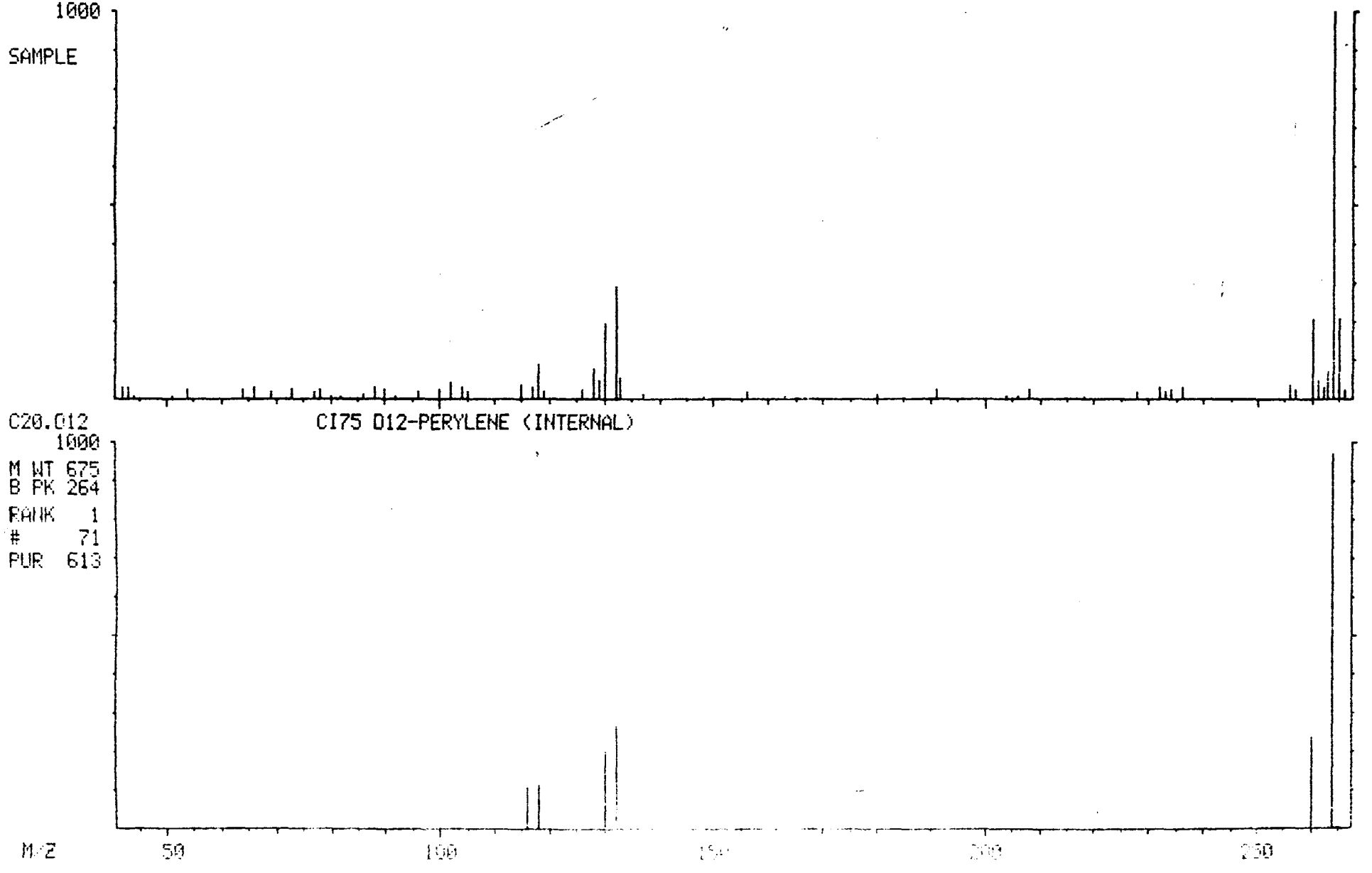
00187B

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 18:16:00 + 40:28
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #4083
CALI: APR22VG02 # 3

BASE M/Z: 264
RIC: 5488.

6-8-100



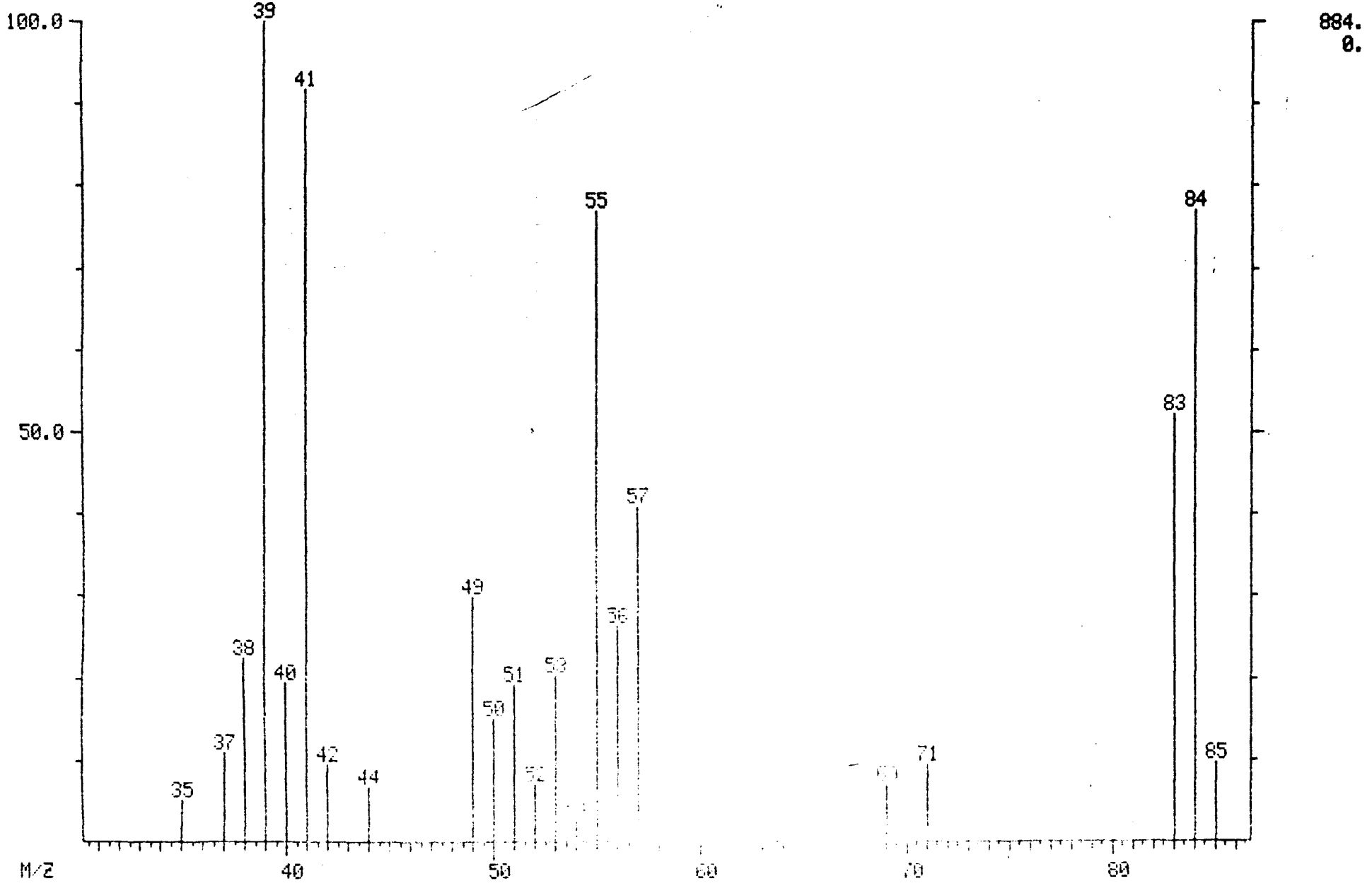
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 18:16:00 + 6:45
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 67 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #681
CALI: APR22VG02 #3

BASE M/Z: 39
RIC: 5824.

001881

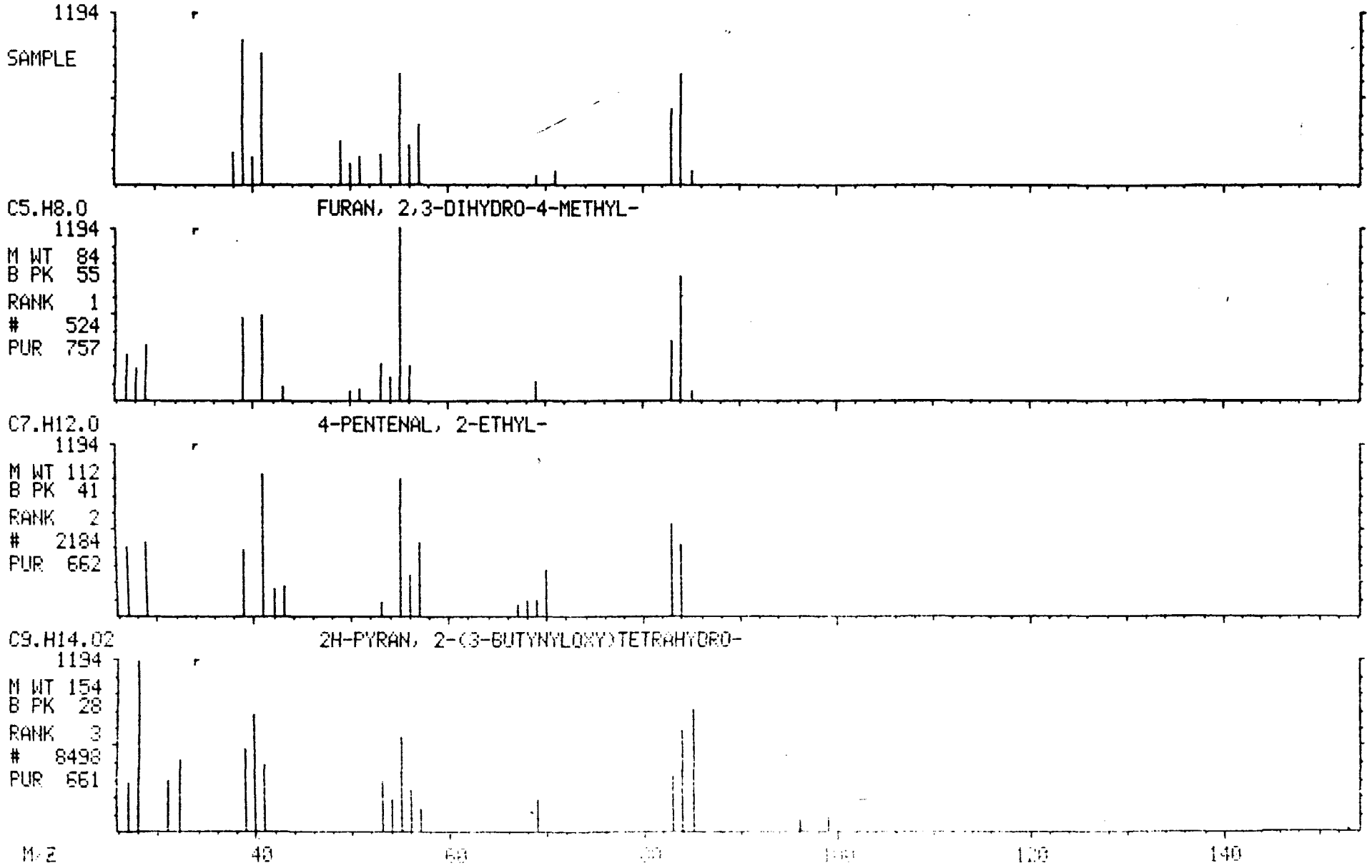


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 6:45
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 # 681
CALI: APR22VG02 # 3

BASE M/Z: 39
RIC: 5464.

001882

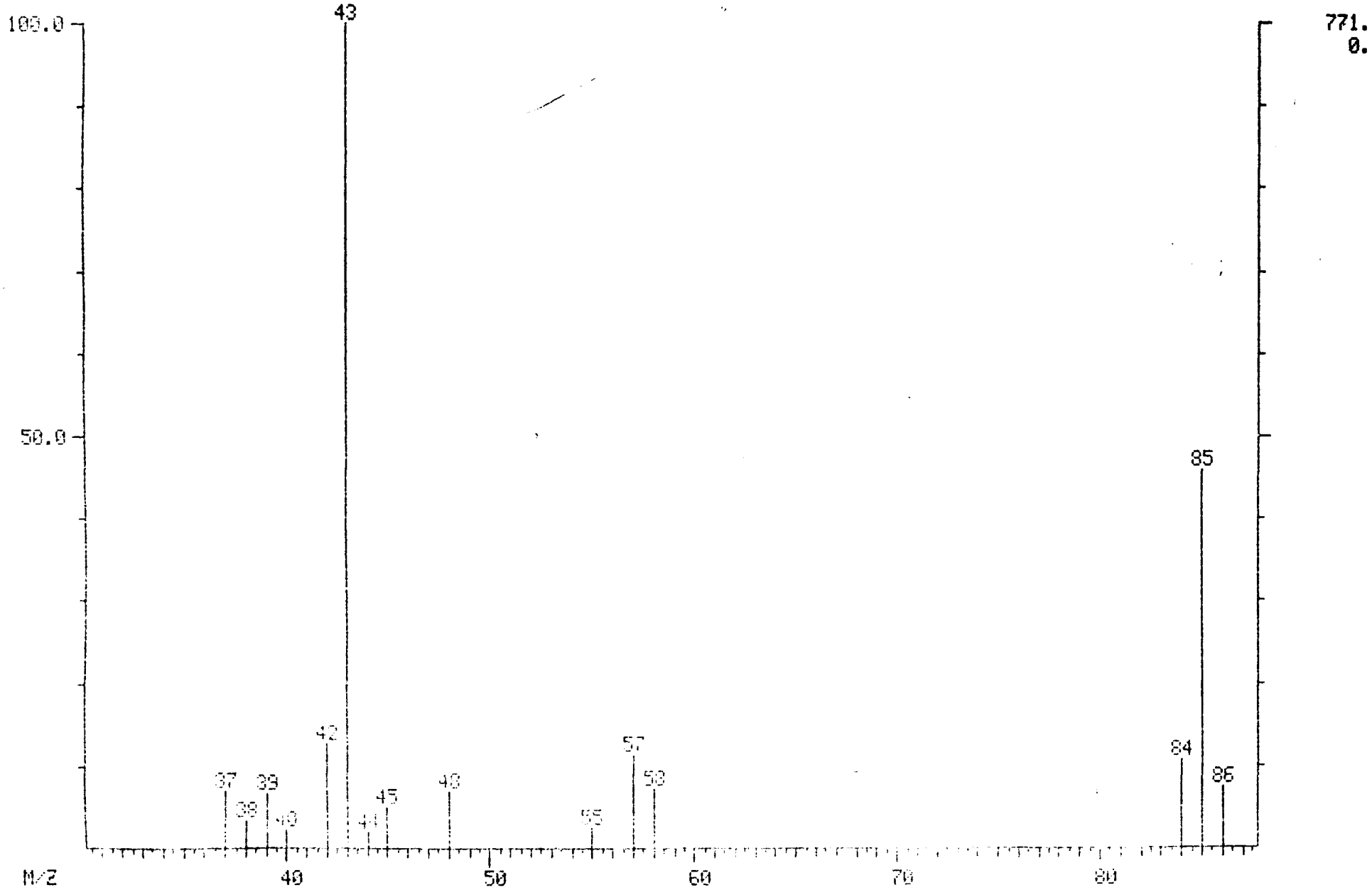


MASS SPECTRUM
04/22/91 18:16:00 + 7:03
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 70 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #712
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 1782.

001883

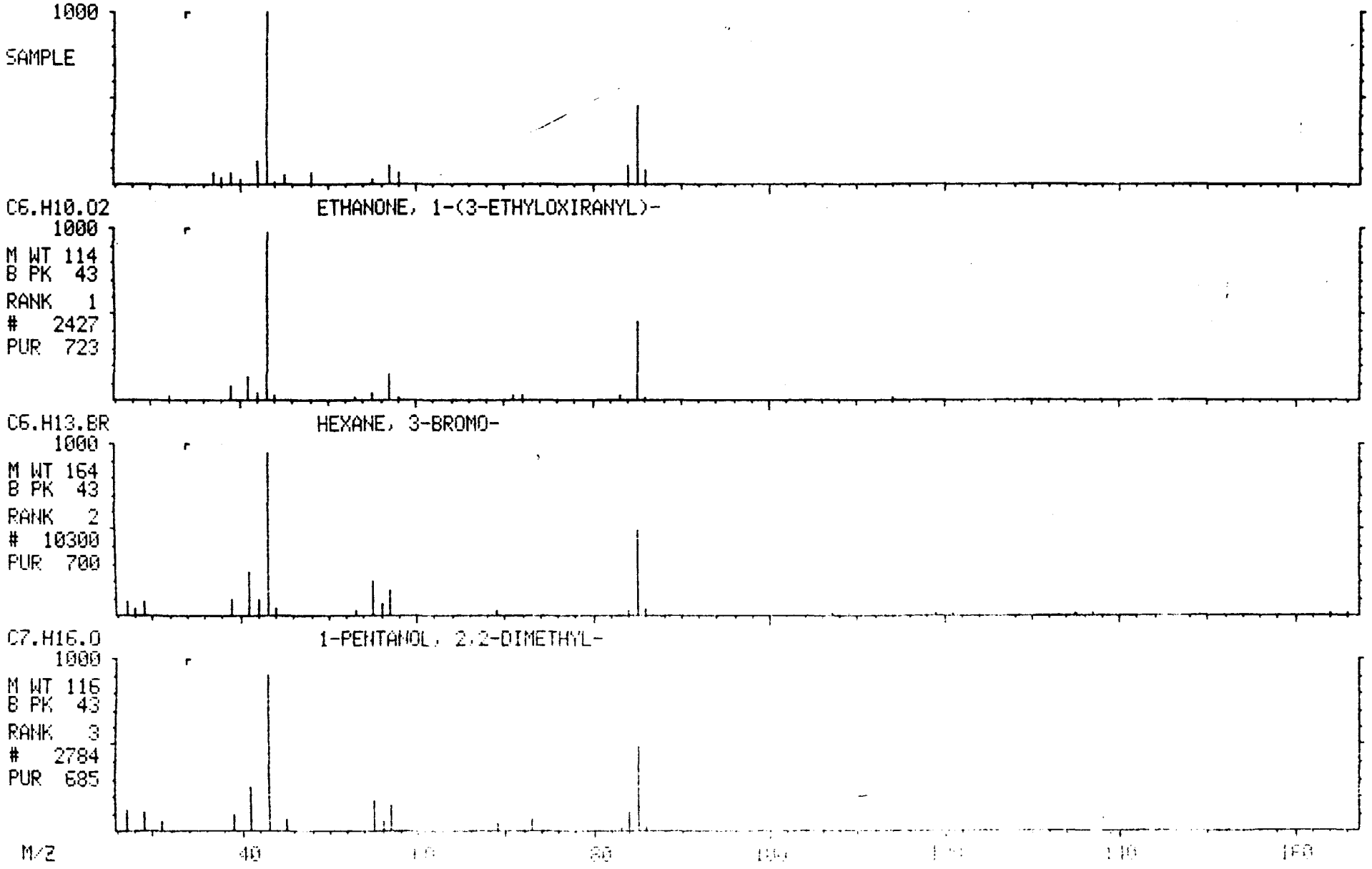


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 7:03
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 # 712
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 1782.

001834

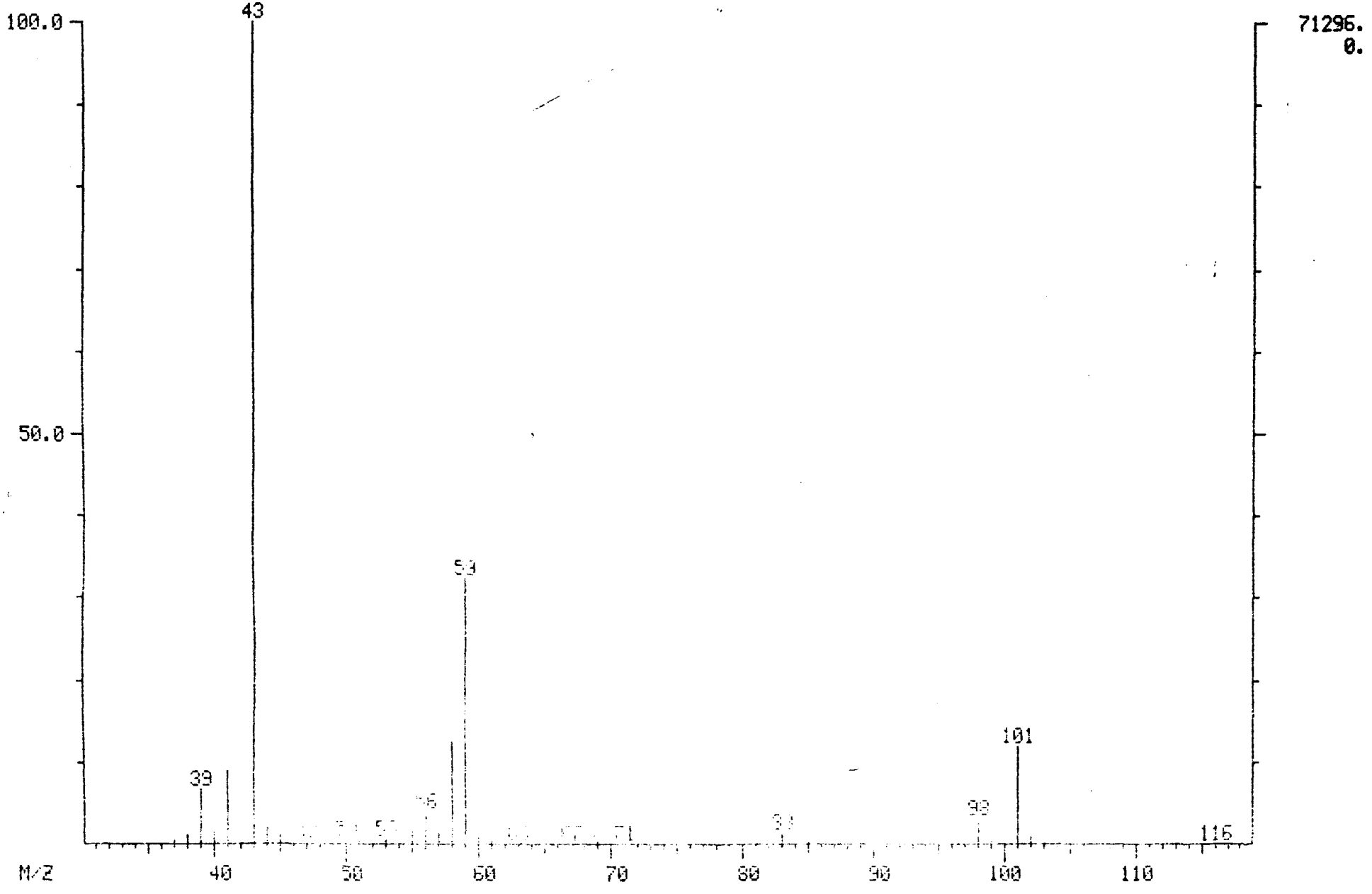


MASS SPECTRUM
04/22/91 18:16:00 + 8:11
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #826
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 140032.

001885

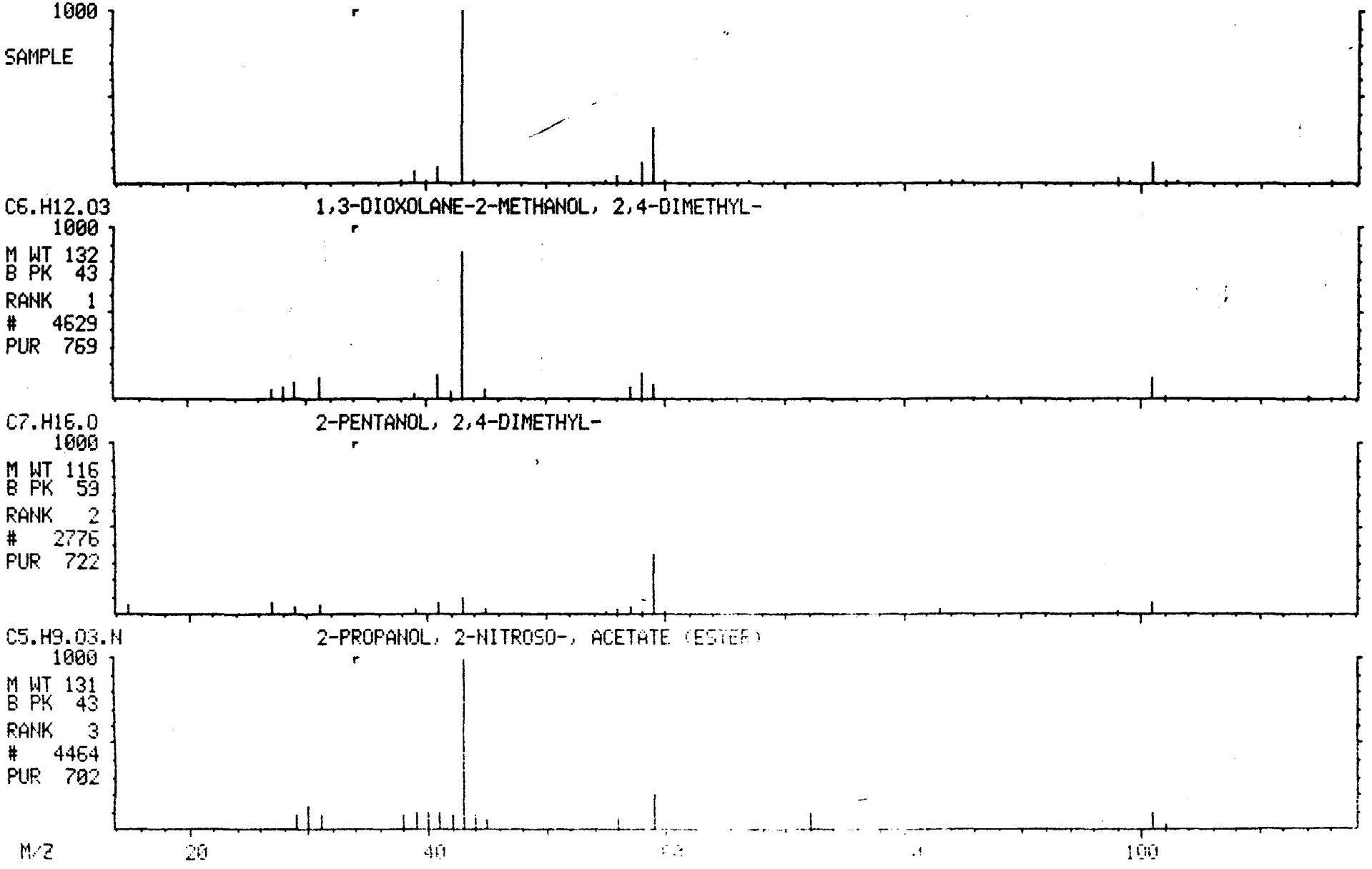


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 8:11
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 # 826
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 136960.

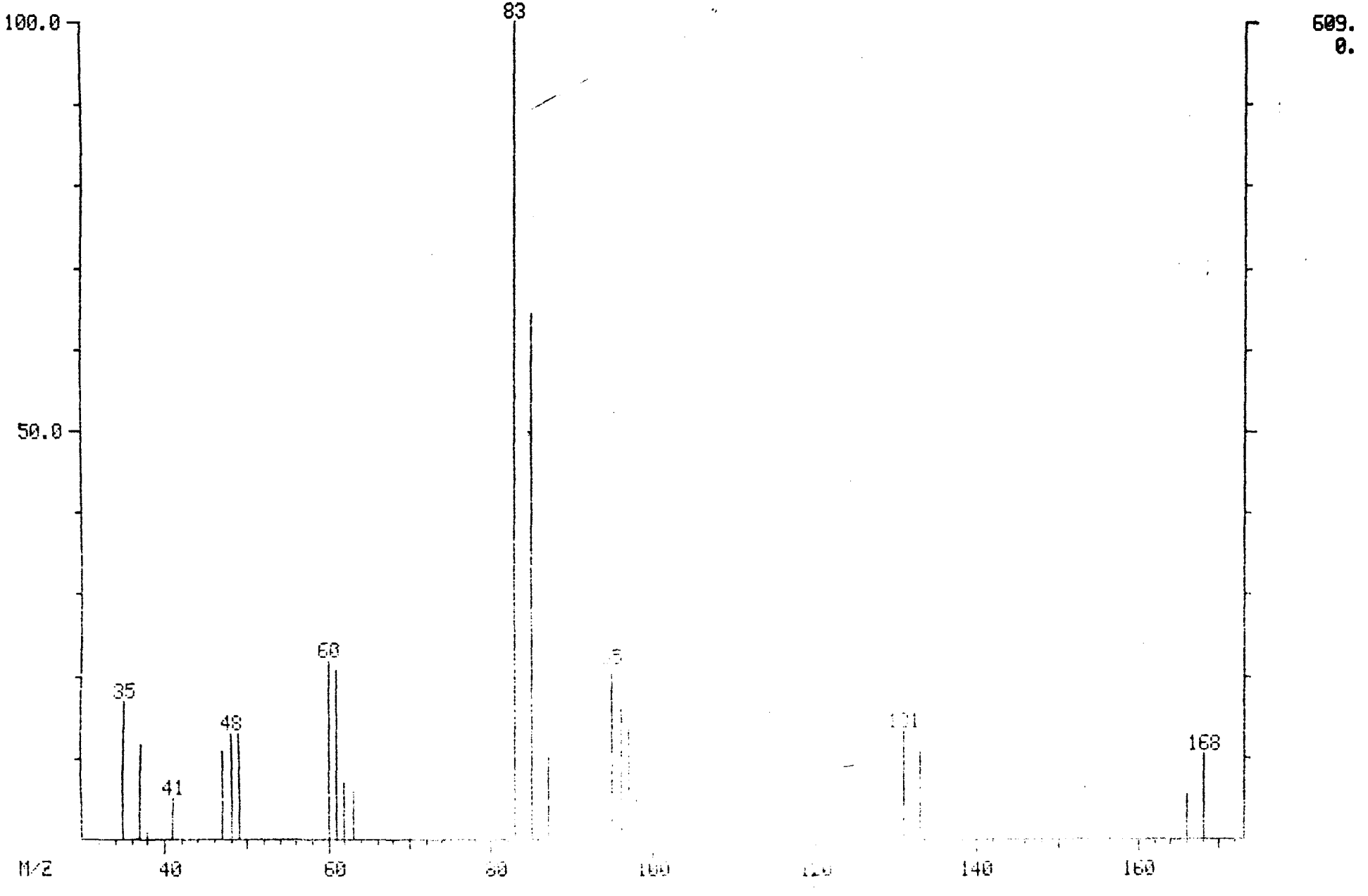
001886



MASS SPECTRUM
04/22/91 18:16:00 + 9:49
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #990
CALI: APR22VG02 #3

BASE M/Z: 83
RIC: 2464.



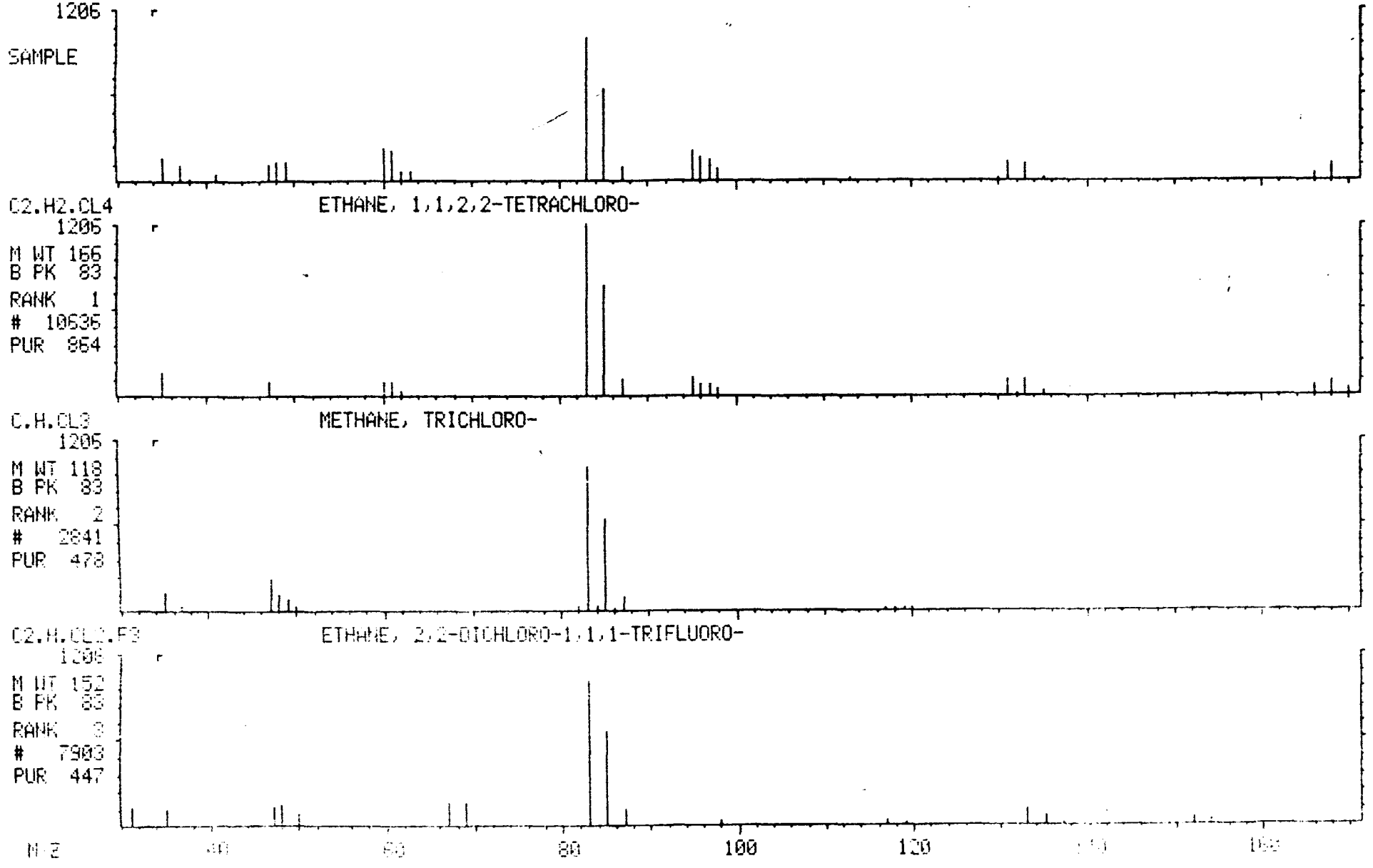
001837

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 9:49
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 # 990
CALI: APR22VG02 # 3

BASE M/Z: 83
RIC: 2464.

001638

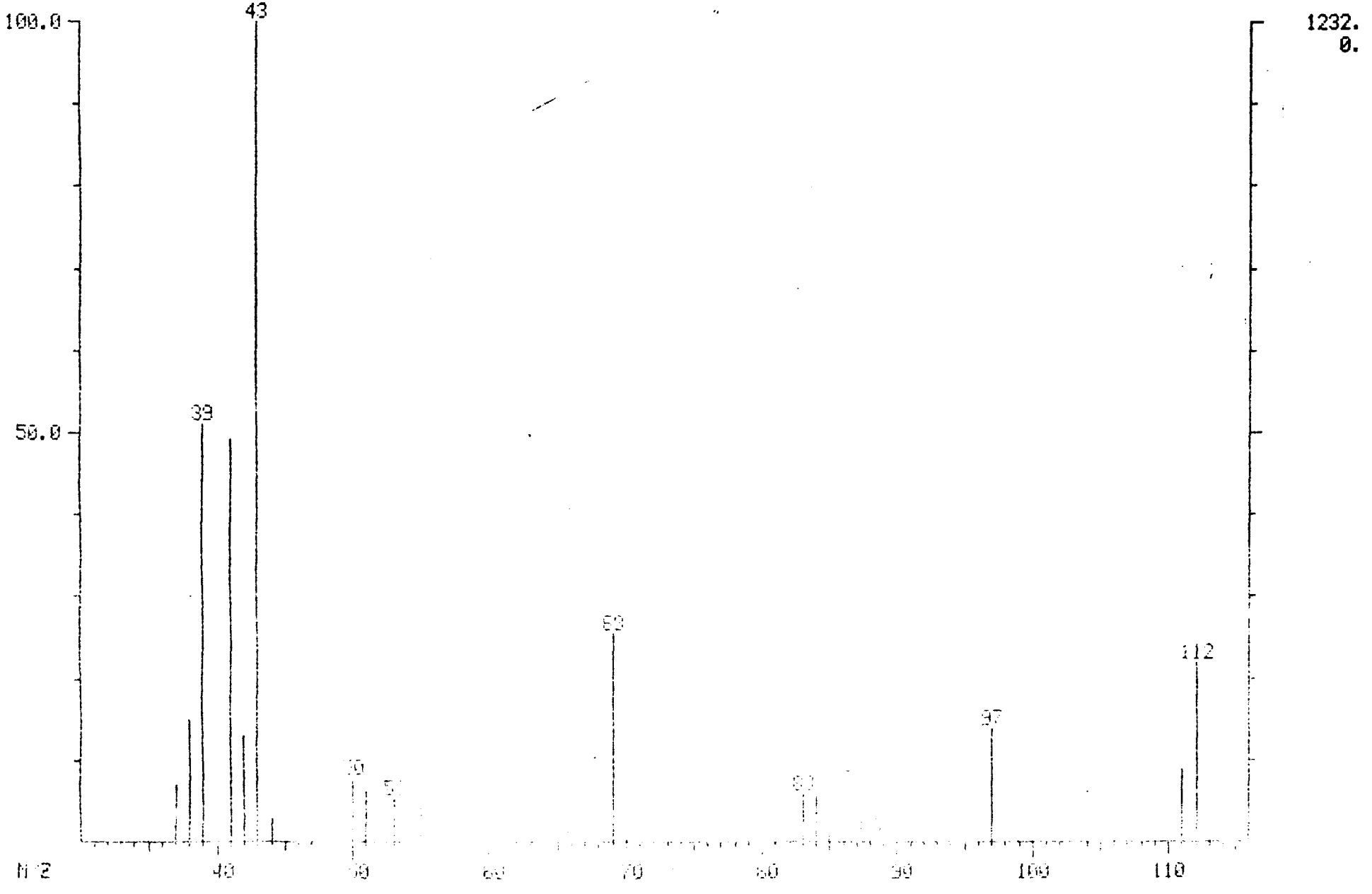


MASS SPECTRUM
04/22/91 18:16:00 + 10:13
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1030
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 4264.

001839

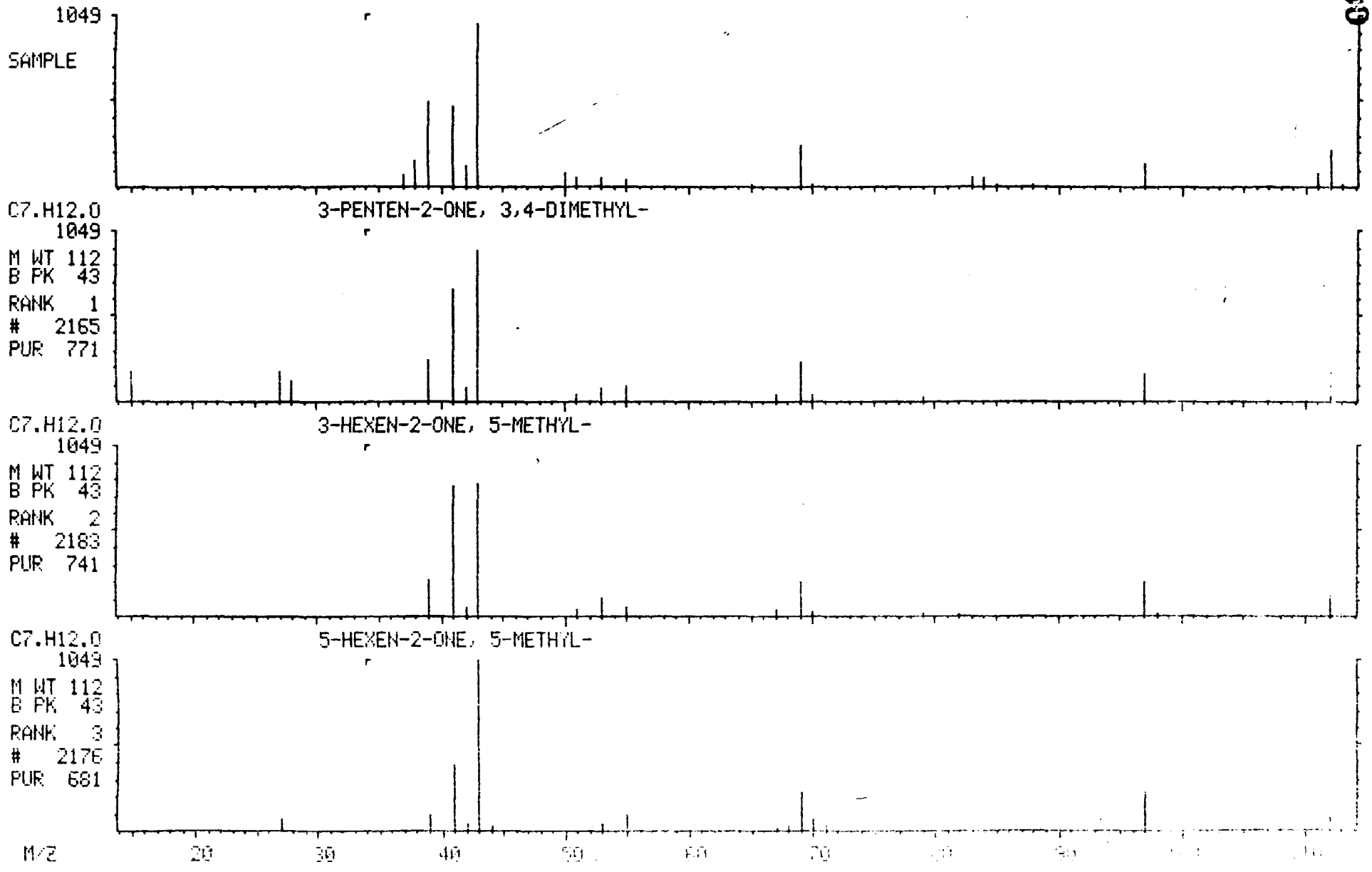


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 10:13
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1030
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 4232.

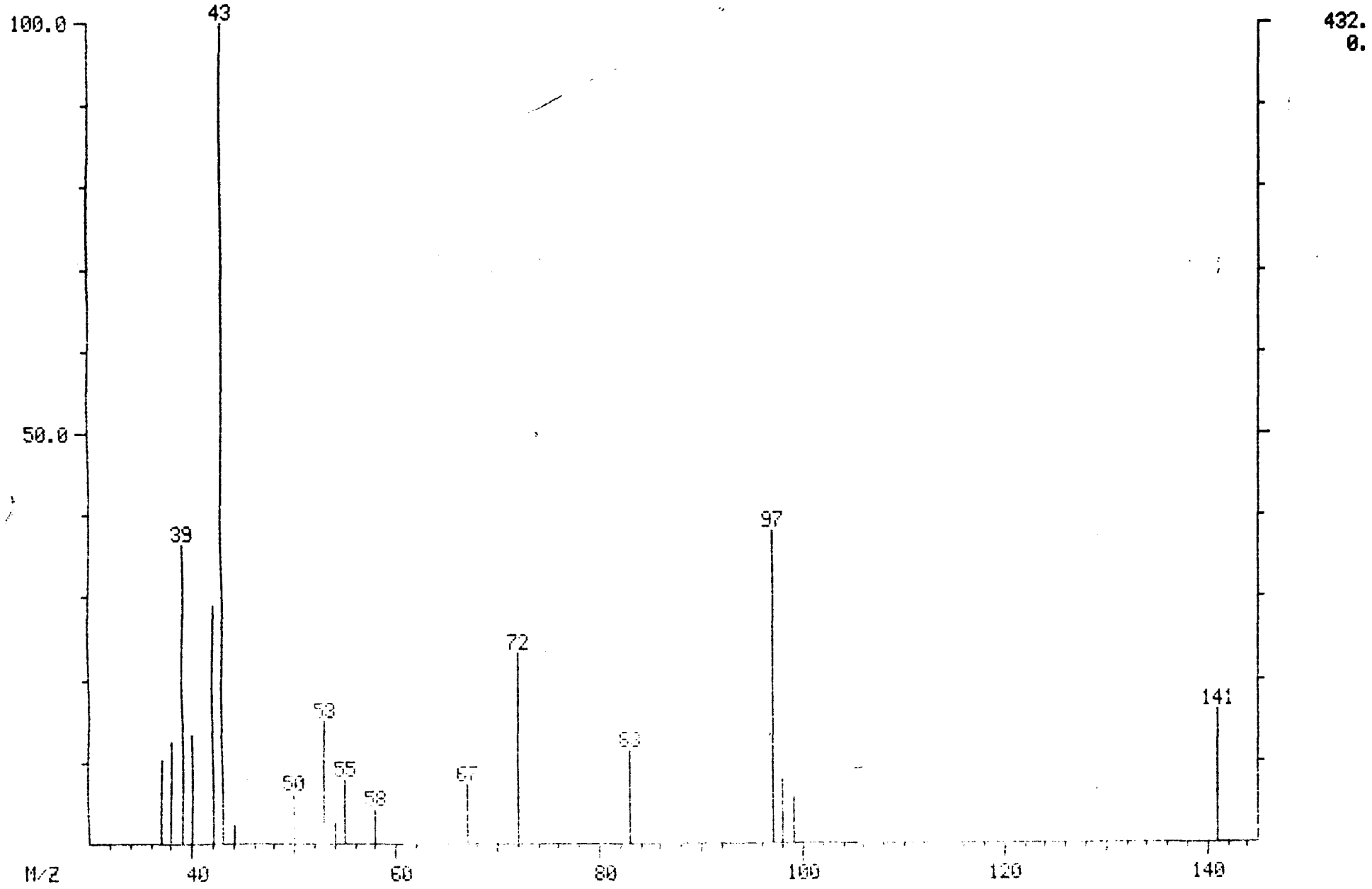
001890



MASS SPECTRUM
04/22/91 18:16:00 + 10:36
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1069
CALI: APR22VG02 #3

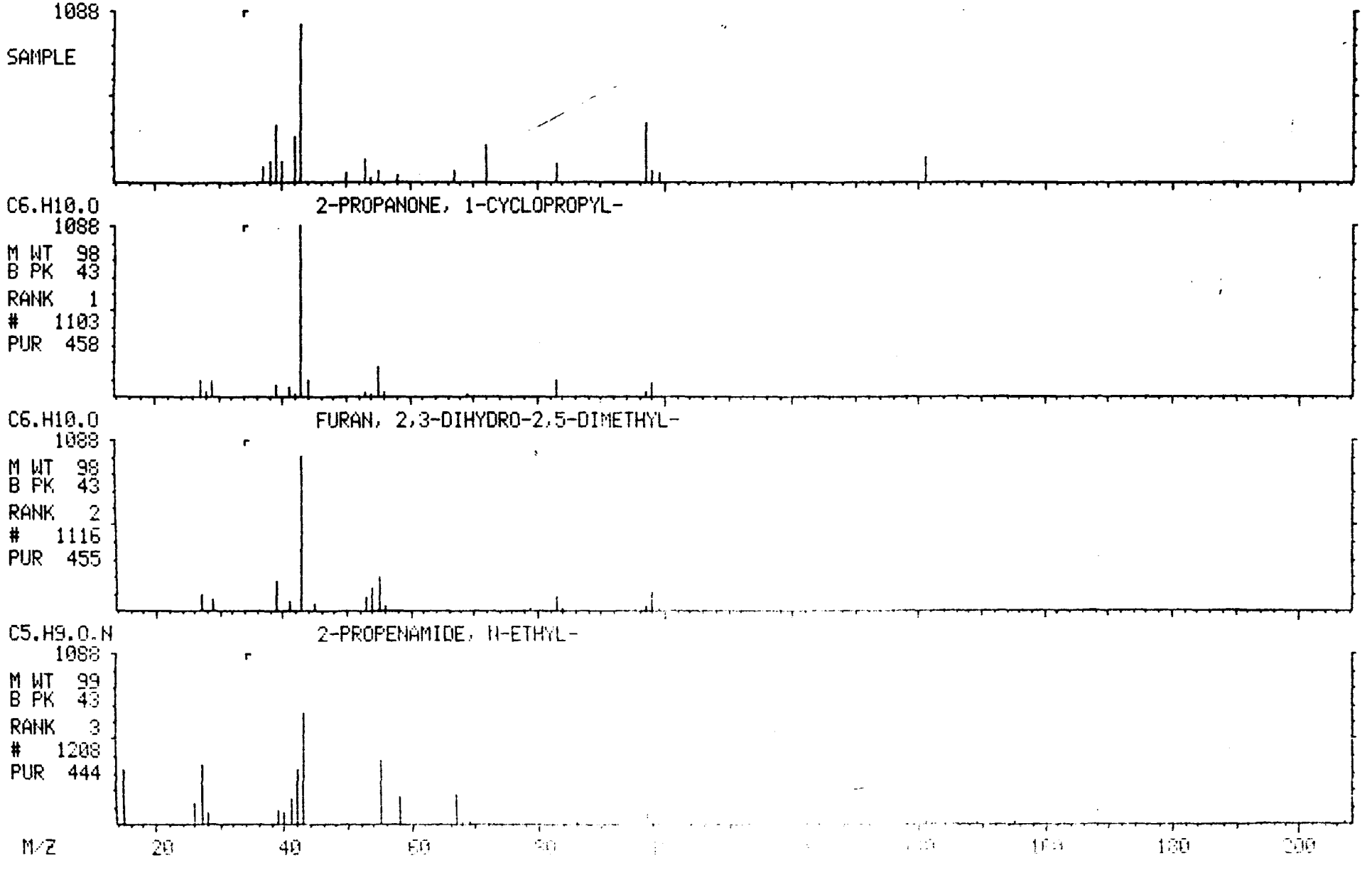
BASE M/Z: 43
RIC: 1512.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 10:36
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1069
CALI: APR22VG02 # 3

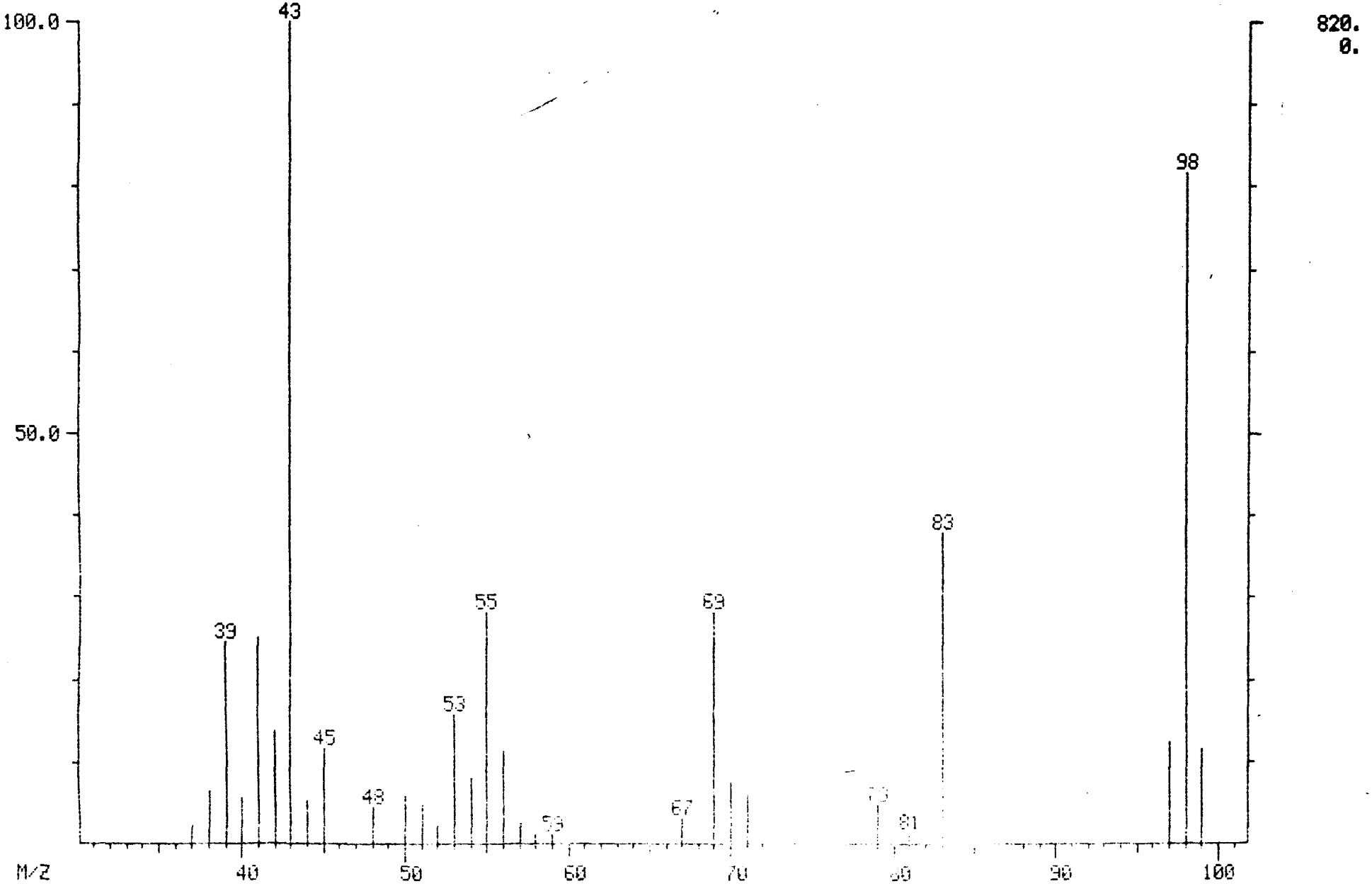
BASE M/Z: 43
RIC: 1500.



MASS SPECTRUM
04/22/91 18:16:00 + 11:16
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1136
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 3904.

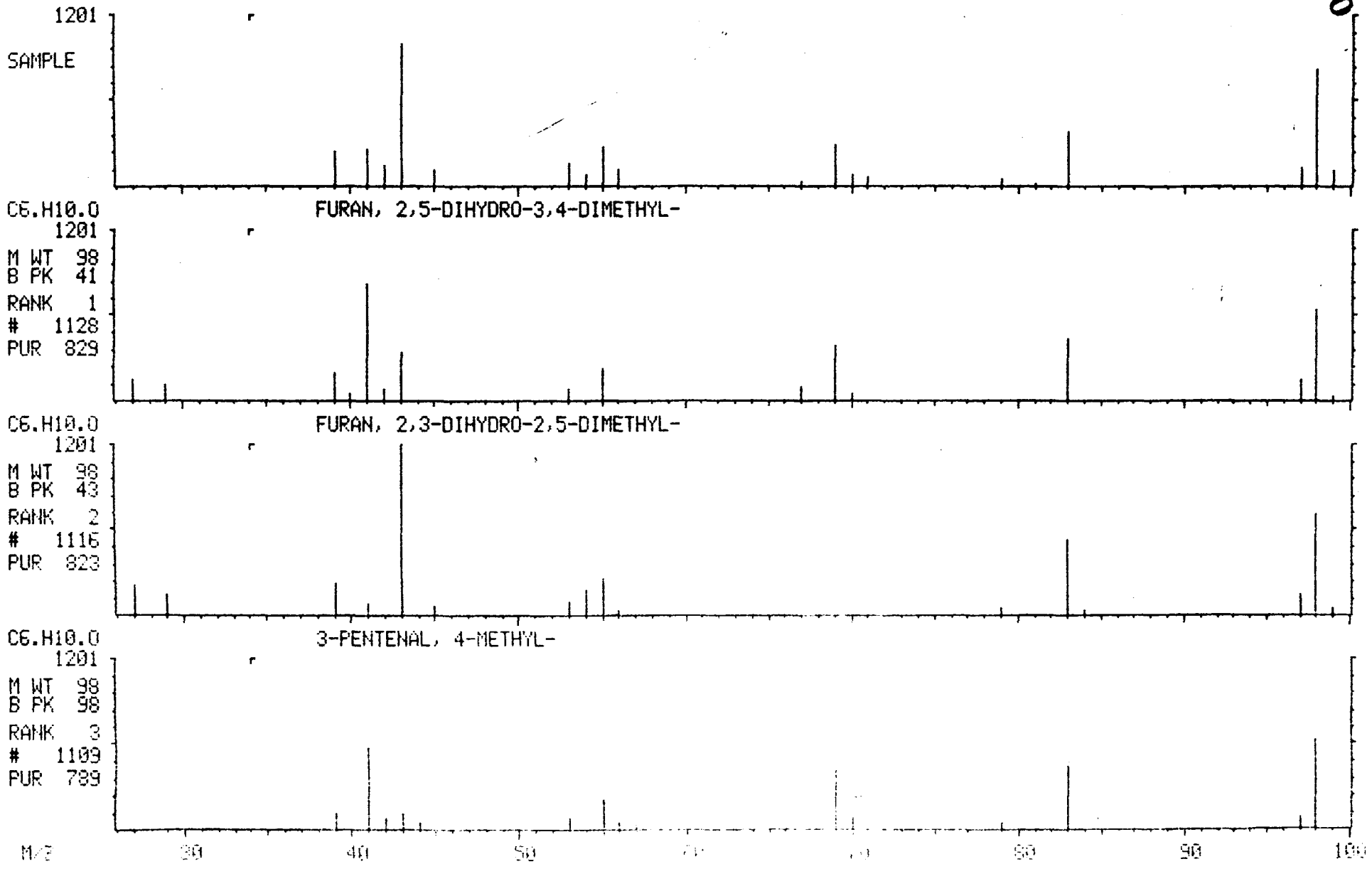


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 11:16
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1136
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 3568.

001894

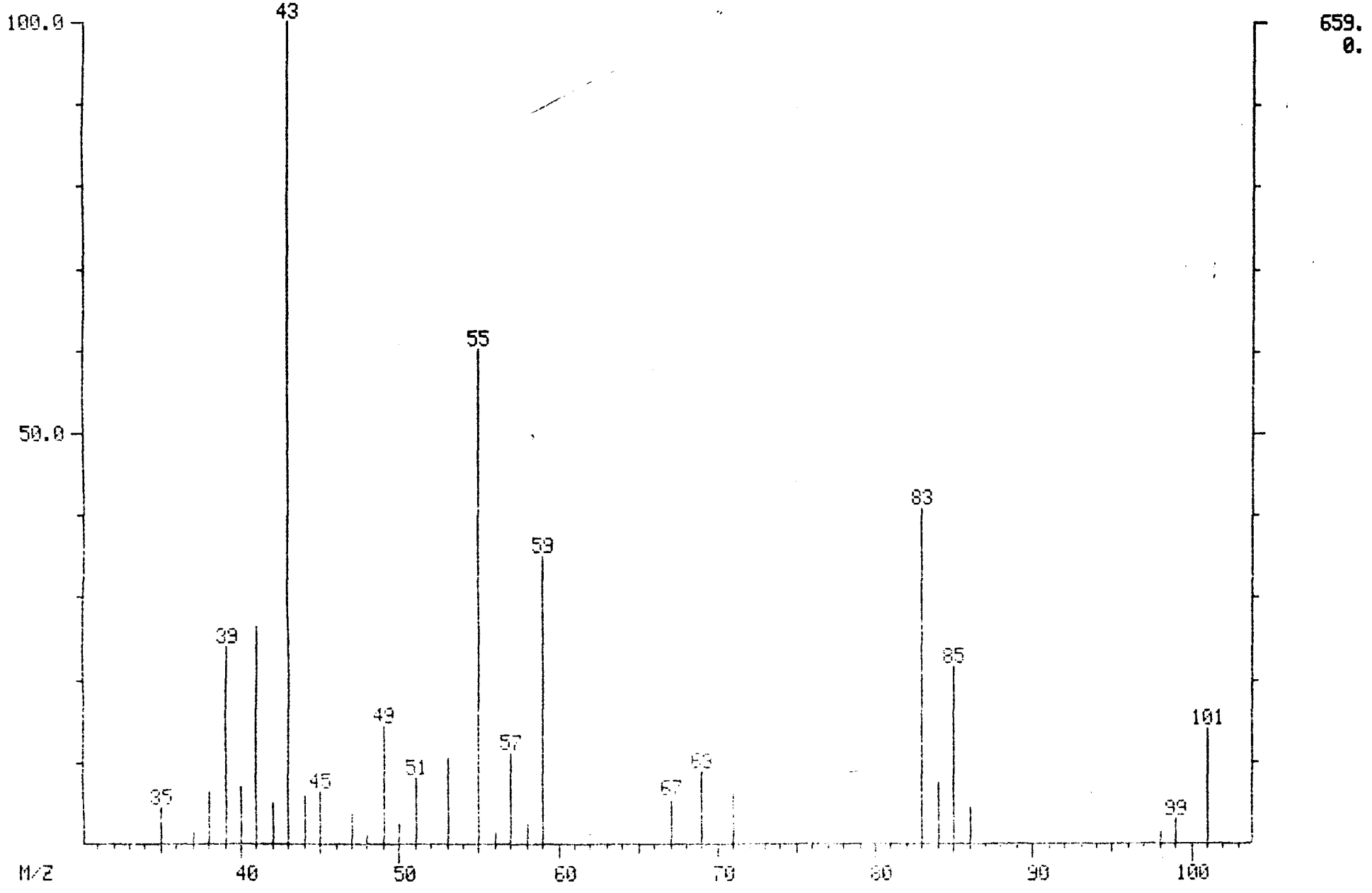


MASS SPECTRUM
04/22/91 18:16:00 + 11:26
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1154
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 2976.

001895

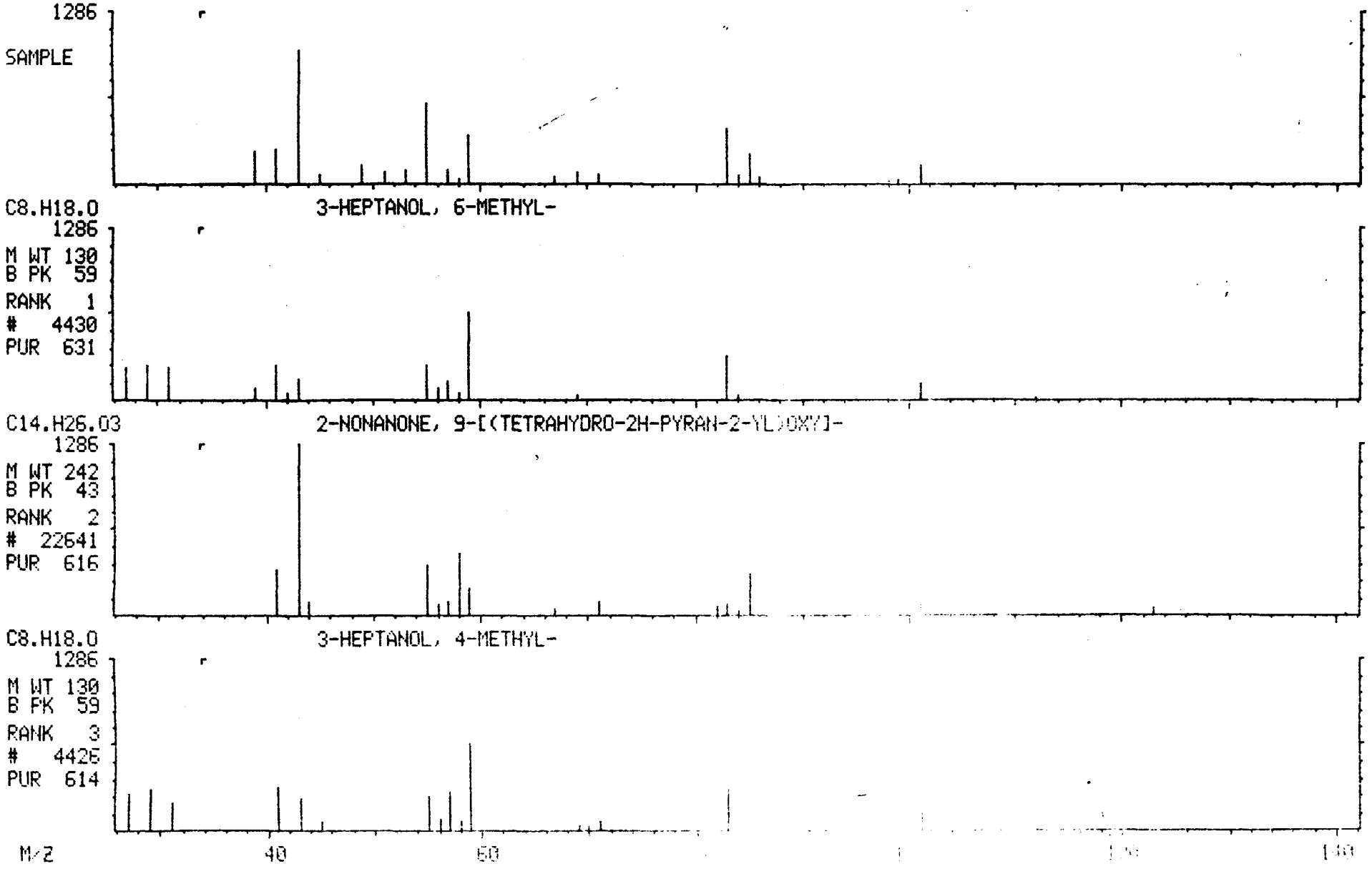


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 11:26
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1154
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 2720.

001896

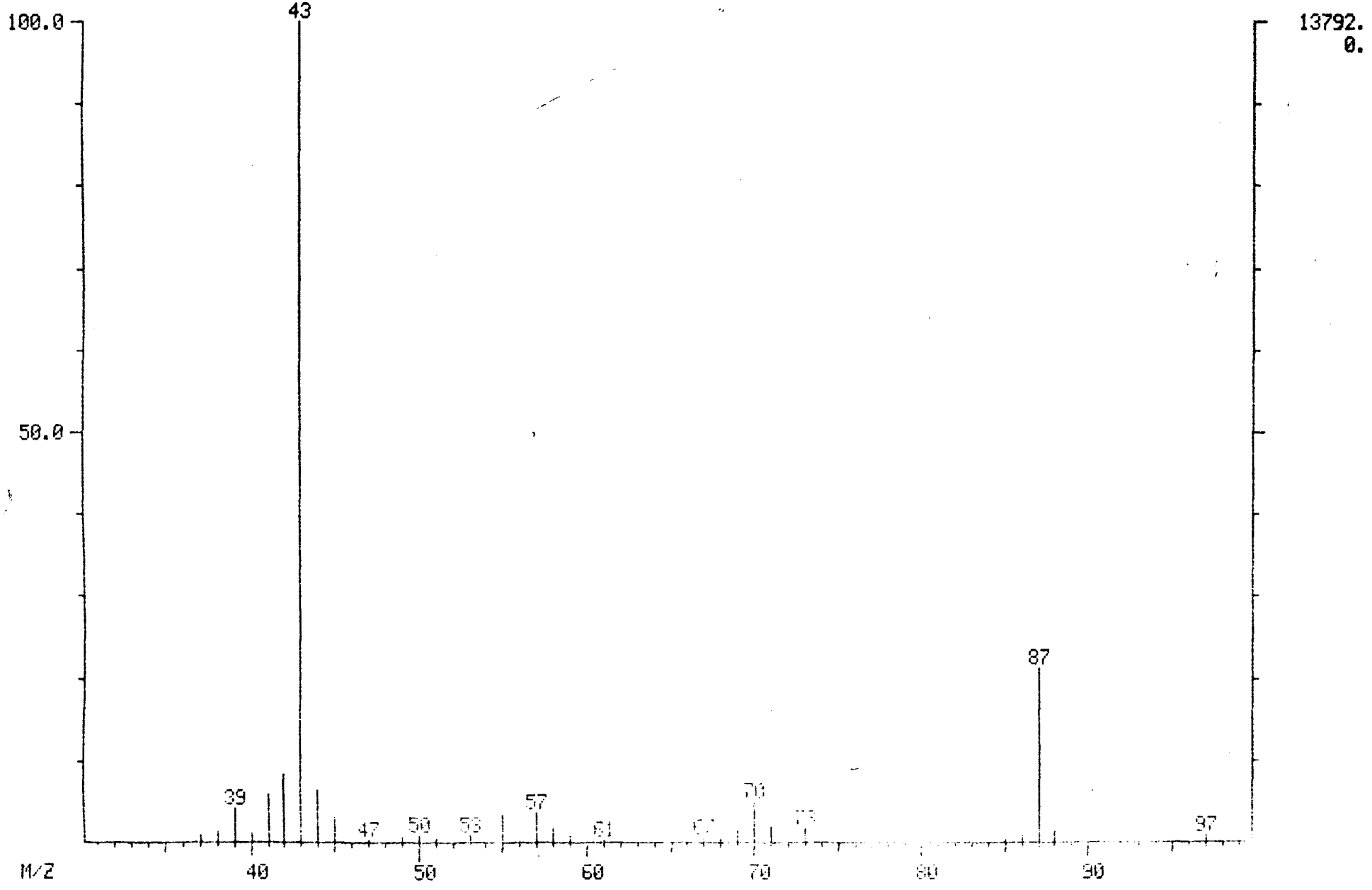


MASS SPECTRUM
04/22/91 18:16:00 + 11:42
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1180
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 24864.

001857

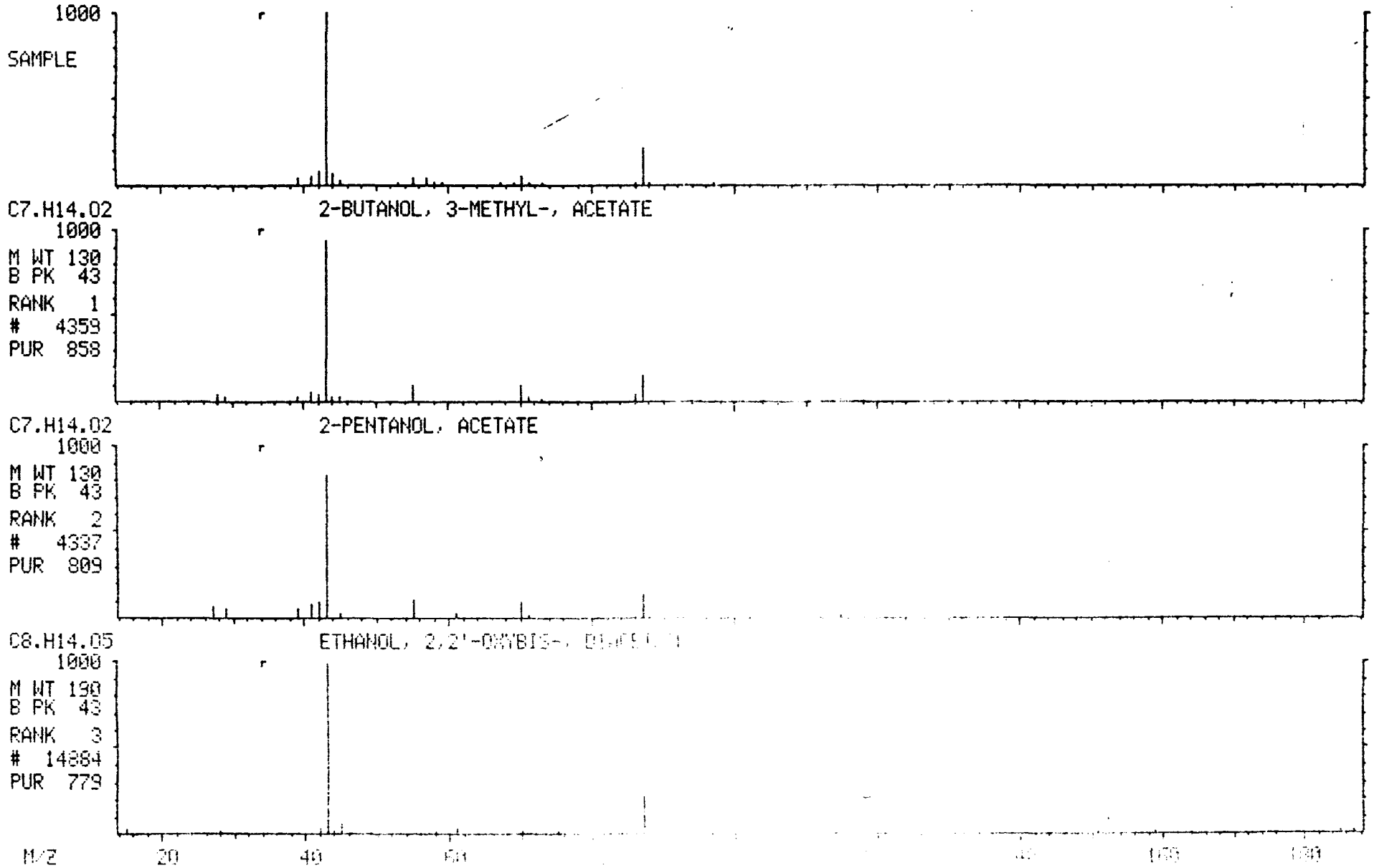


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 11:42
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1180
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 23904.

001898

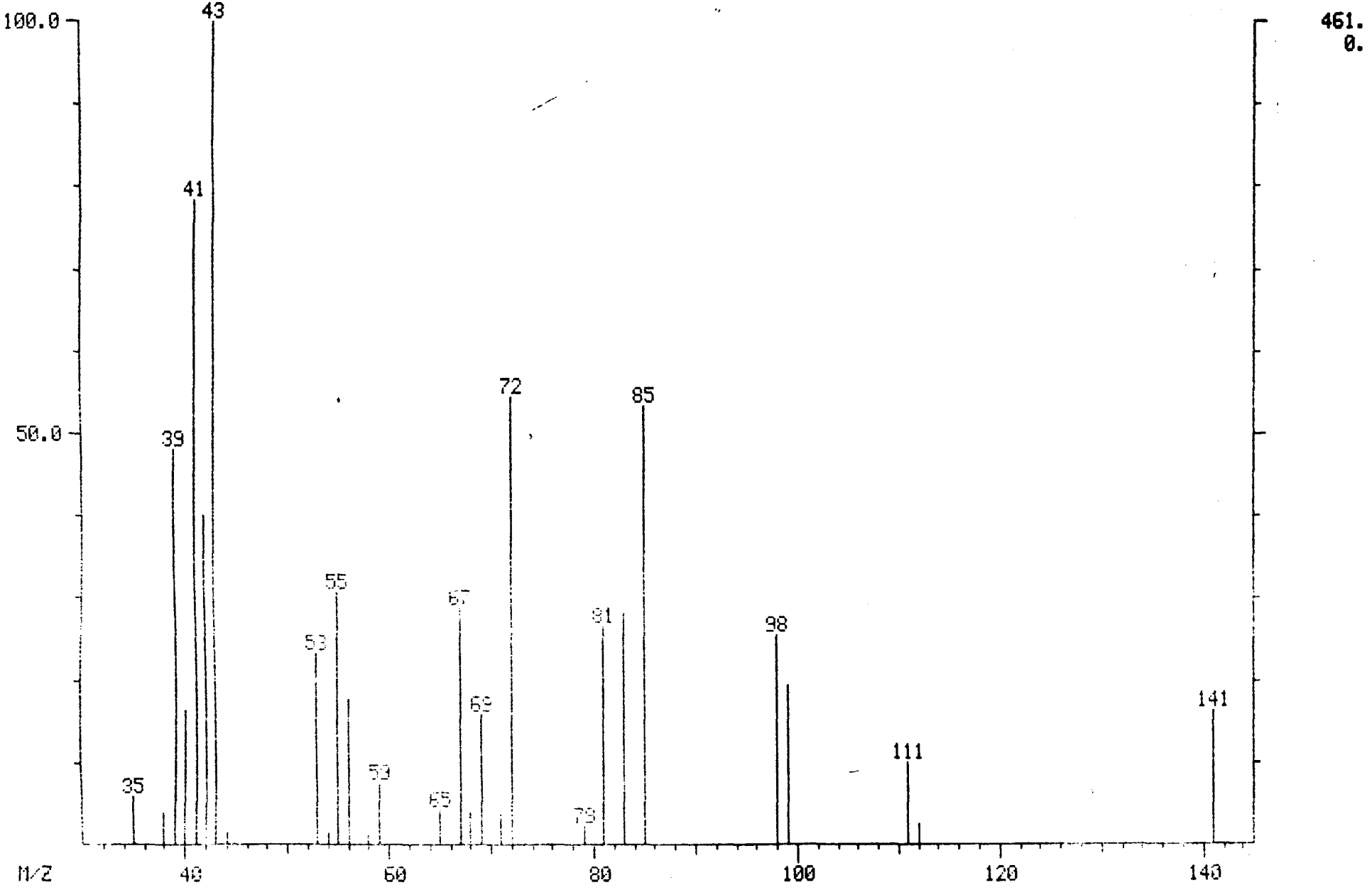


MASS SPECTRUM
04/22/91 18:16:00 + 12:04
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1218
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 3108.

658100

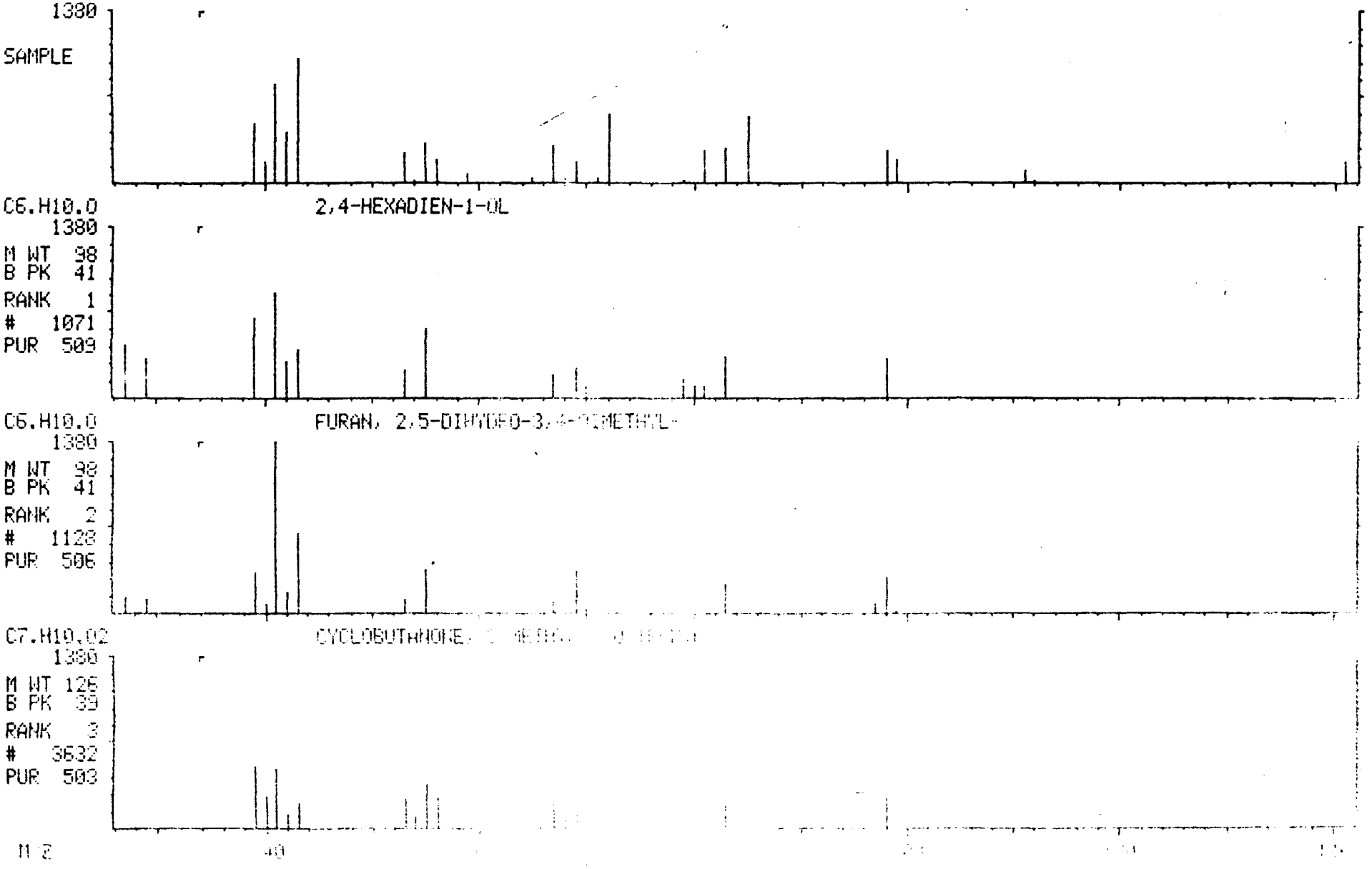


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 12:04
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1218
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 3052.

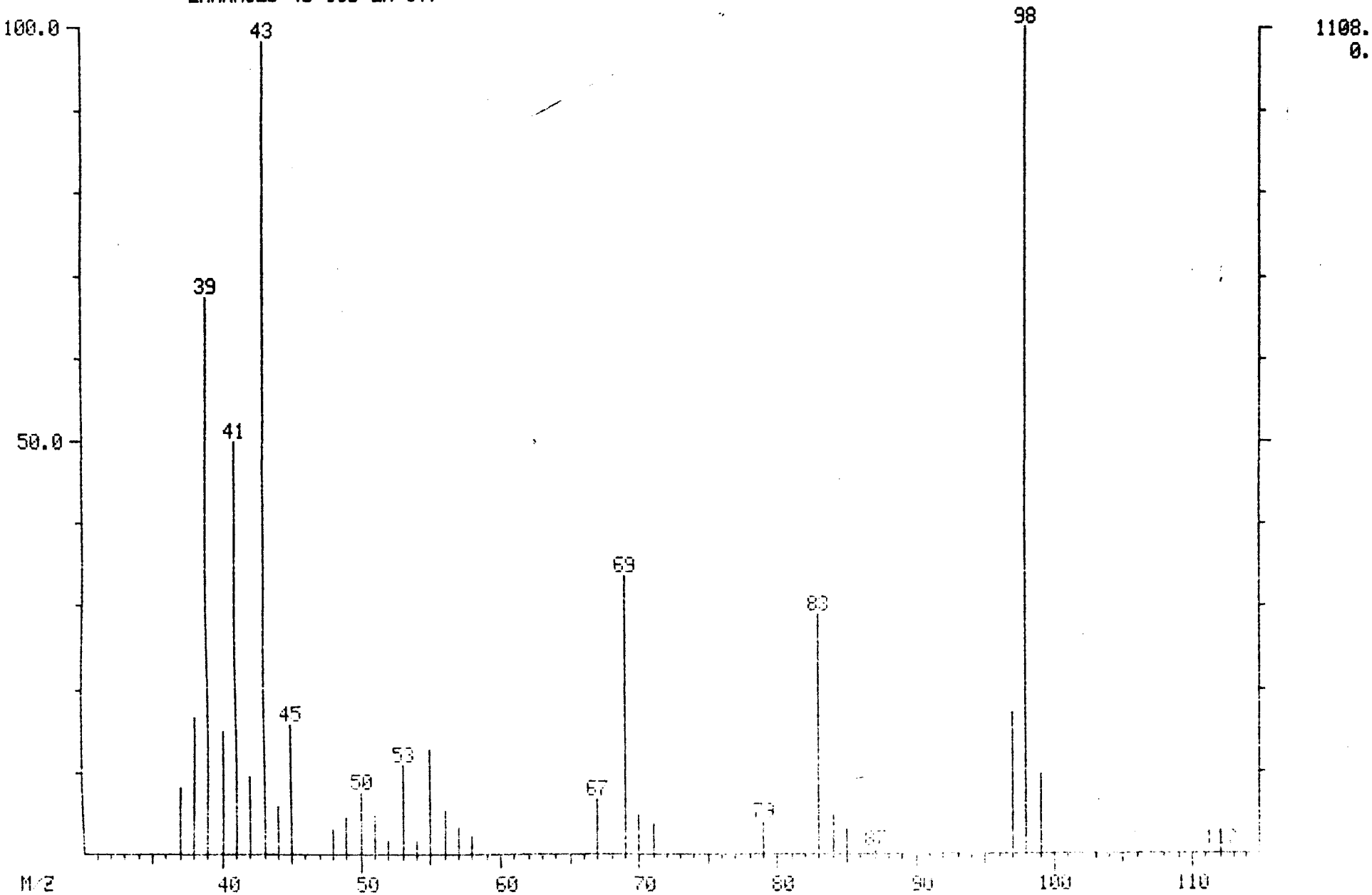
001900



MASS SPECTRUM
04/22/91 18:16:00 + 12:10
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 122 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1228
CALI: APR22VG02 #3

BASE M/Z: 98
RIC: 6224.

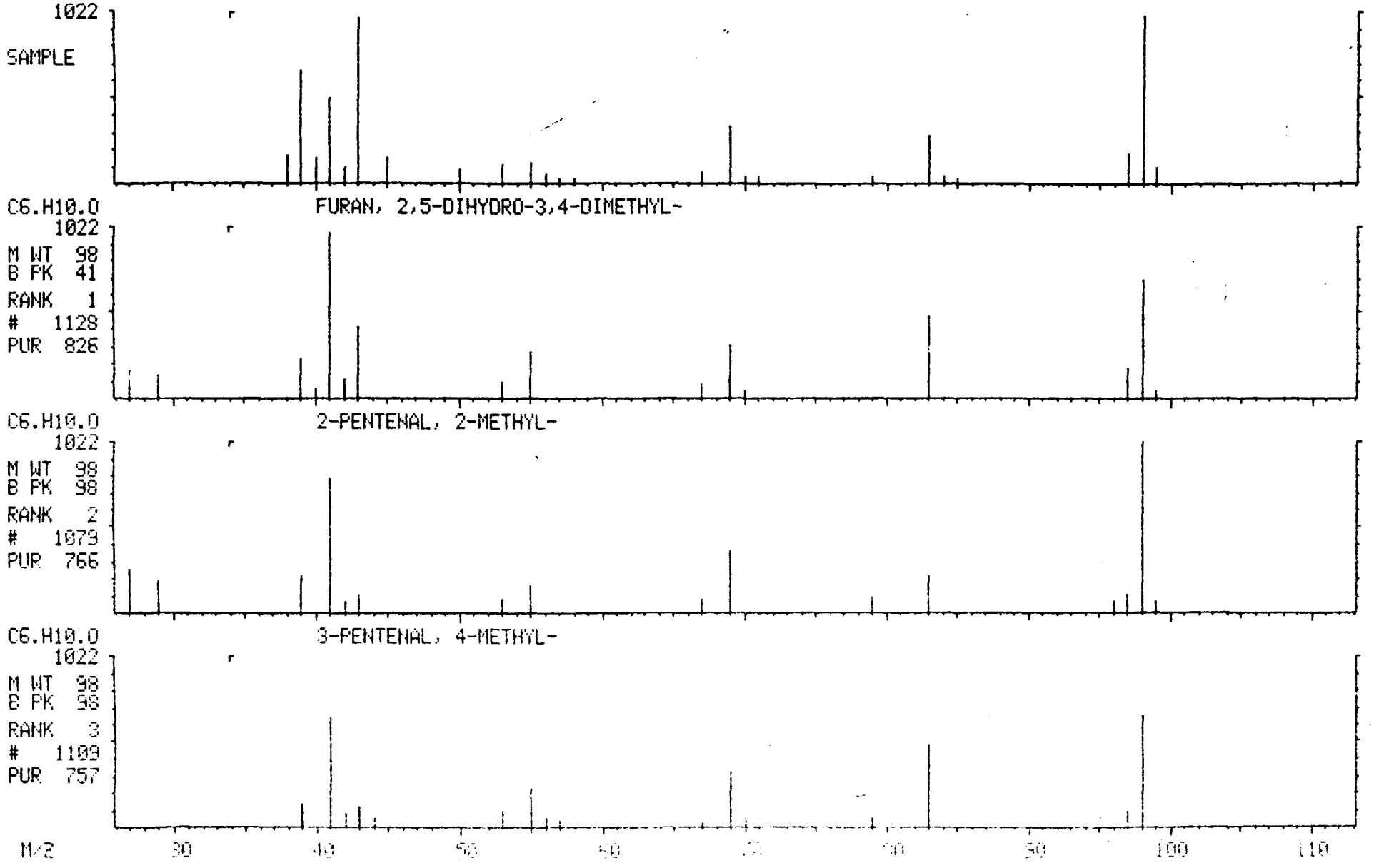


001901

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 12:10
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1228
CALI: APR22VG02 # 3

BASE M/Z: 98
RIC: 5888.

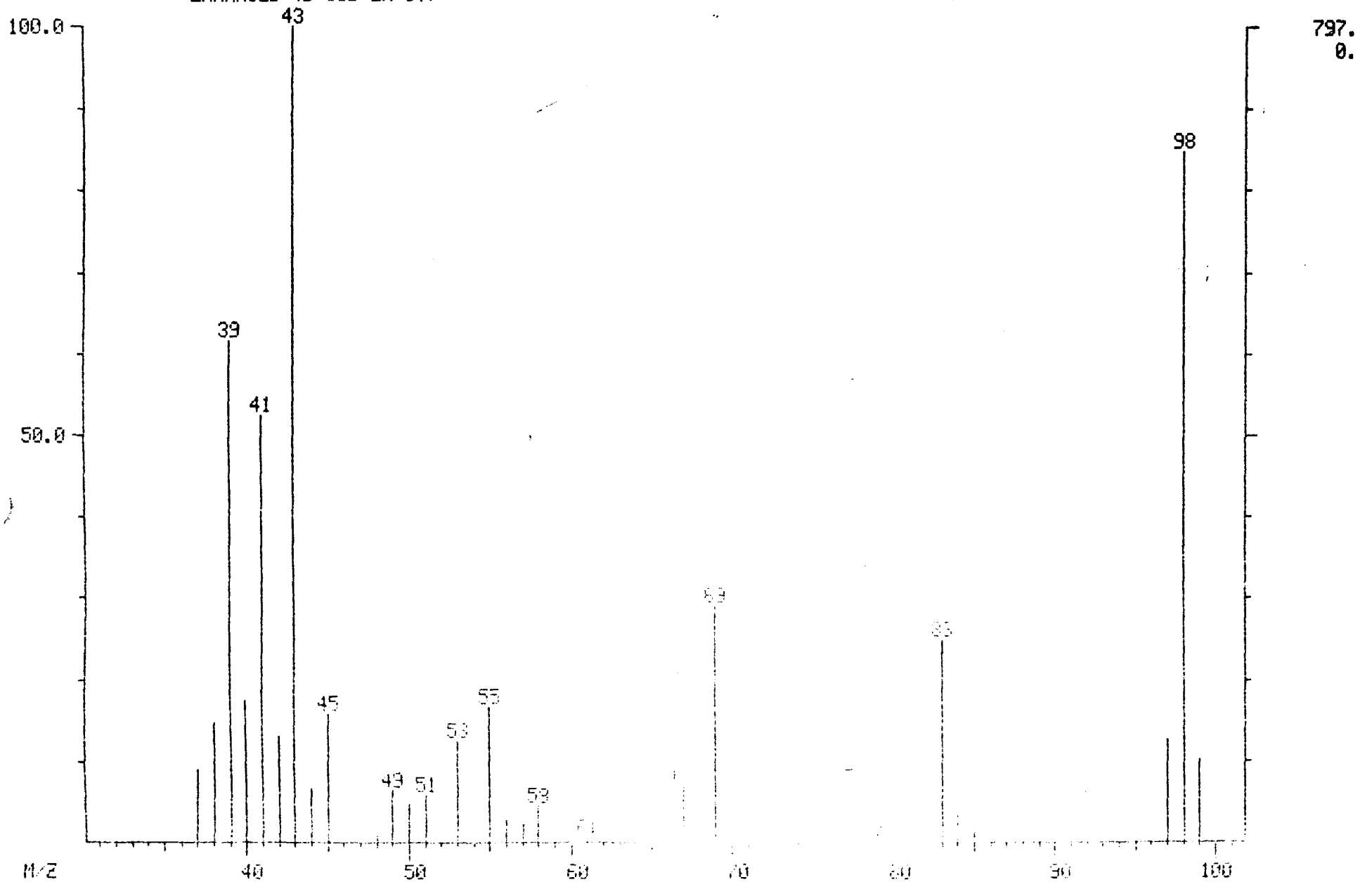


MASS SPECTRUM
04/22/91 18:16:00 + 12:29
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 125 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1260
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 4200.

001903

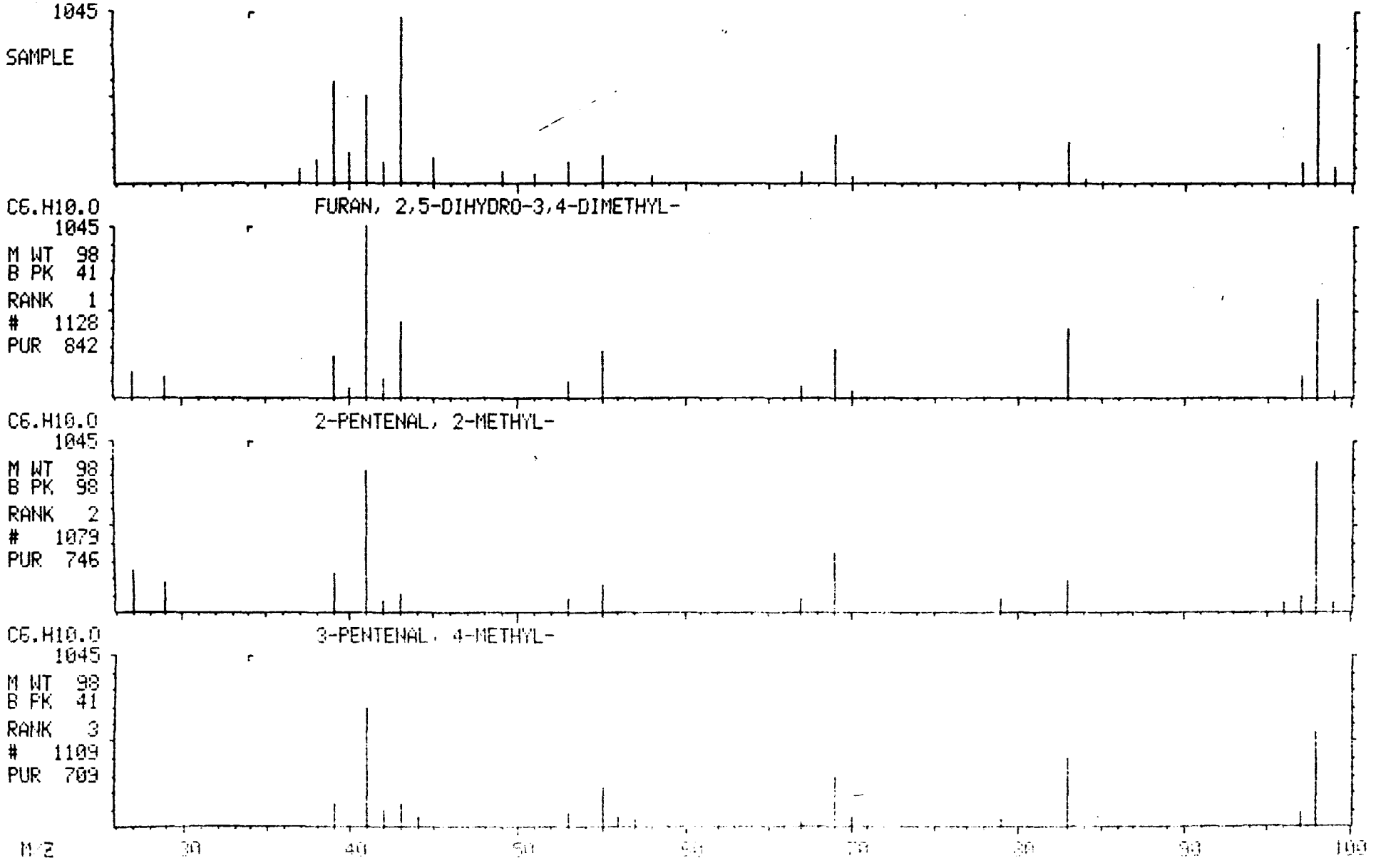


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 12:29
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #1260
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 4044.

001904

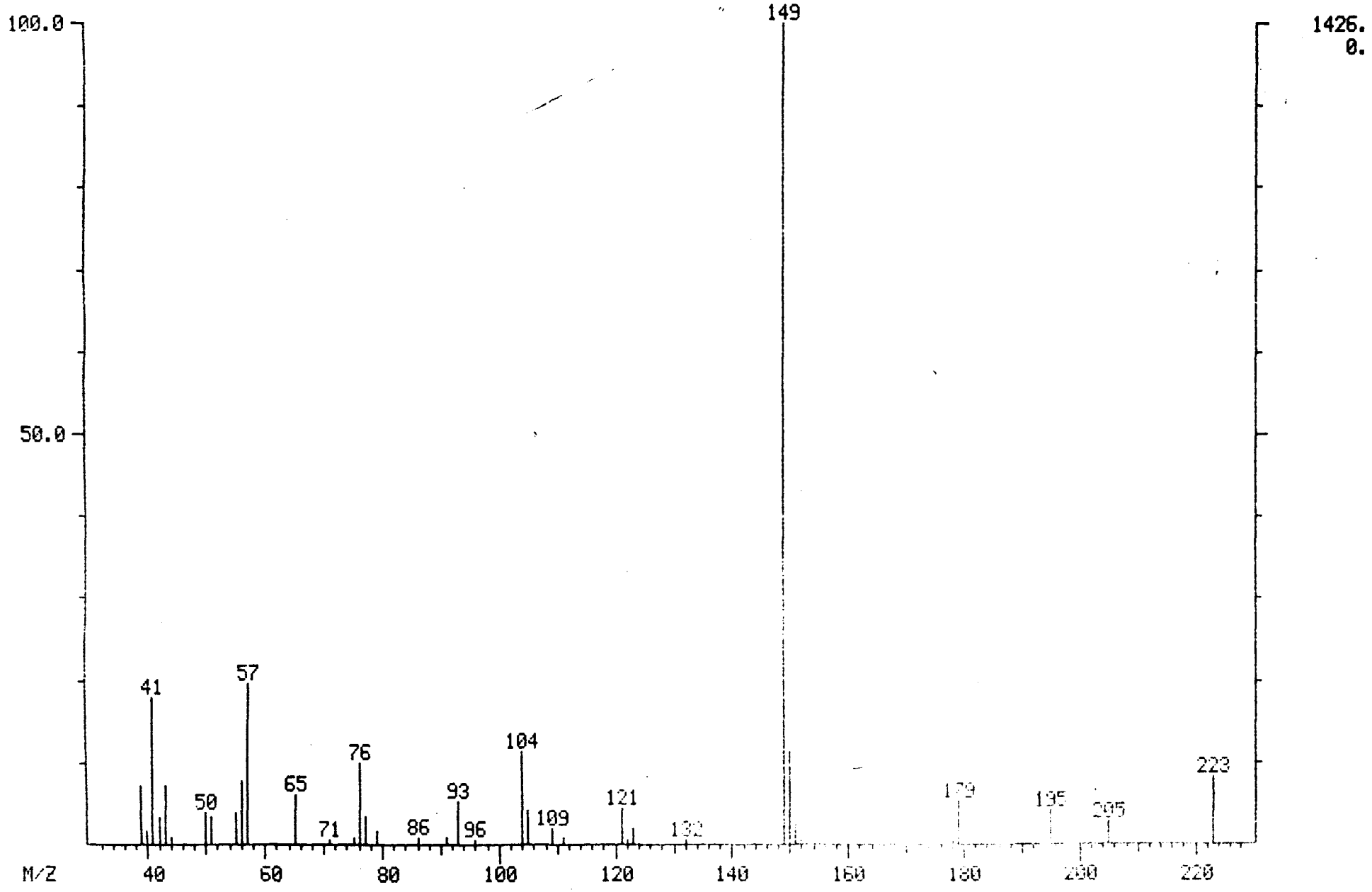


MASS SPECTRUM
04/22/91 18:16:00 + 24:02
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2424
CALI: APR22VG02 #3

BASE M/Z: 149
RIC: 3828.

001905

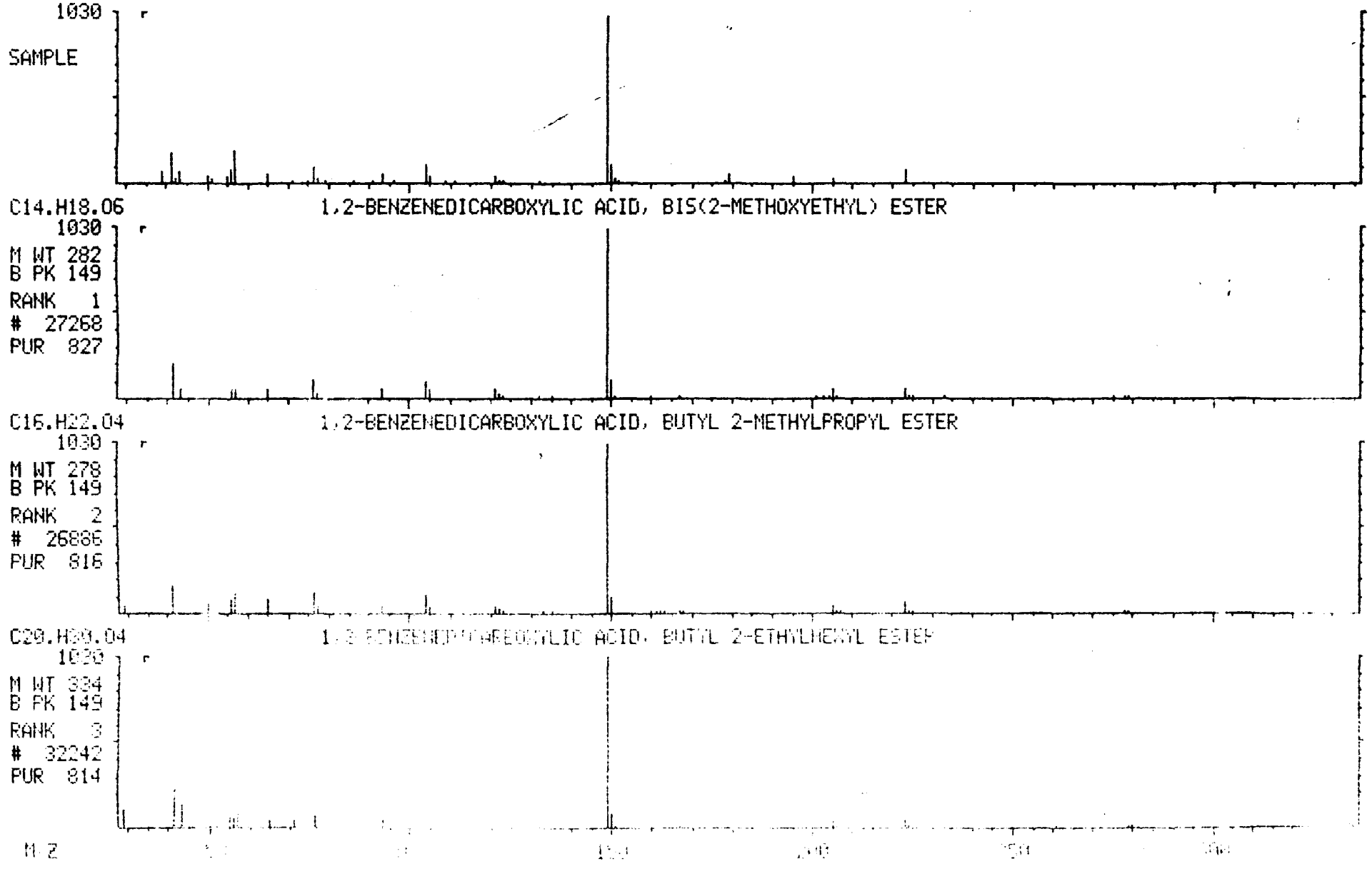


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 24:02
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2424
CALI: APR22VG02 # 3

BASE M/Z: 149
RIC: 3792.

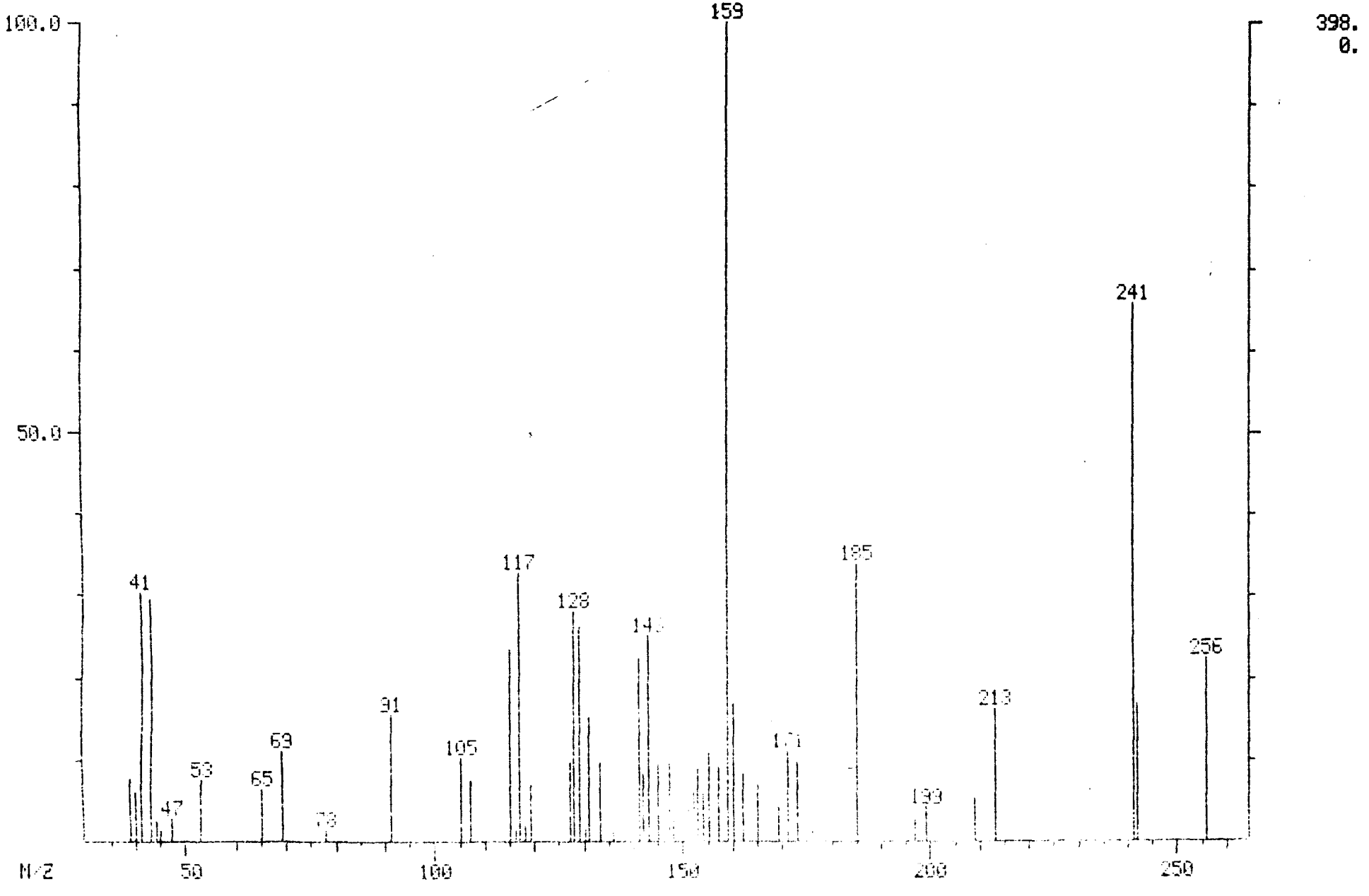
001905



MASS SPECTRUM
04/22/91 18:16:00 + 26:02
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 261 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2626
CALI: APR22VG02 #3

BASE M/Z: 159
RIC: 2996.

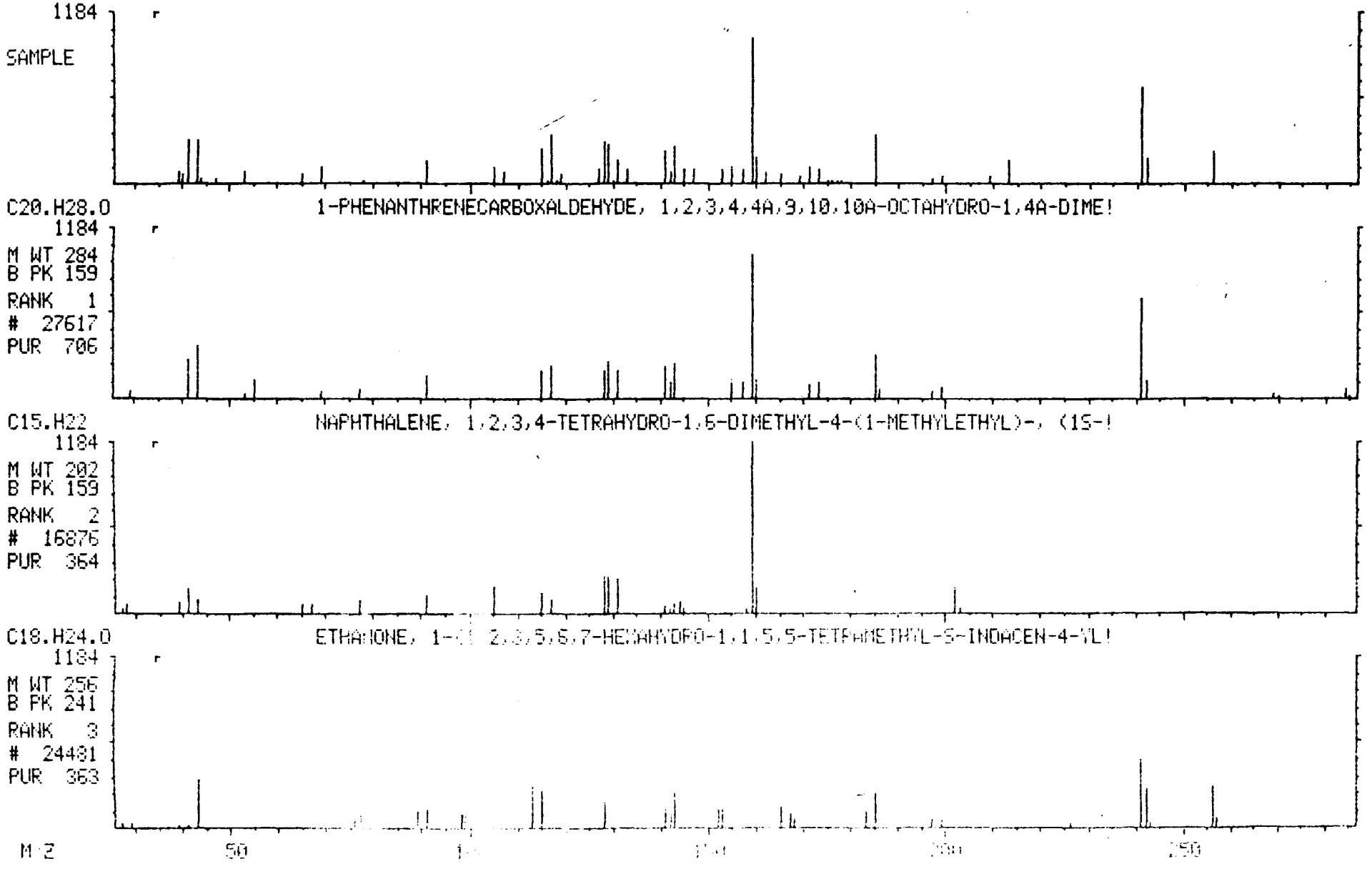


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 26:02
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2626
CALI: APR22VG02 # 3

BASE M/Z: 159
RIC: 2908.

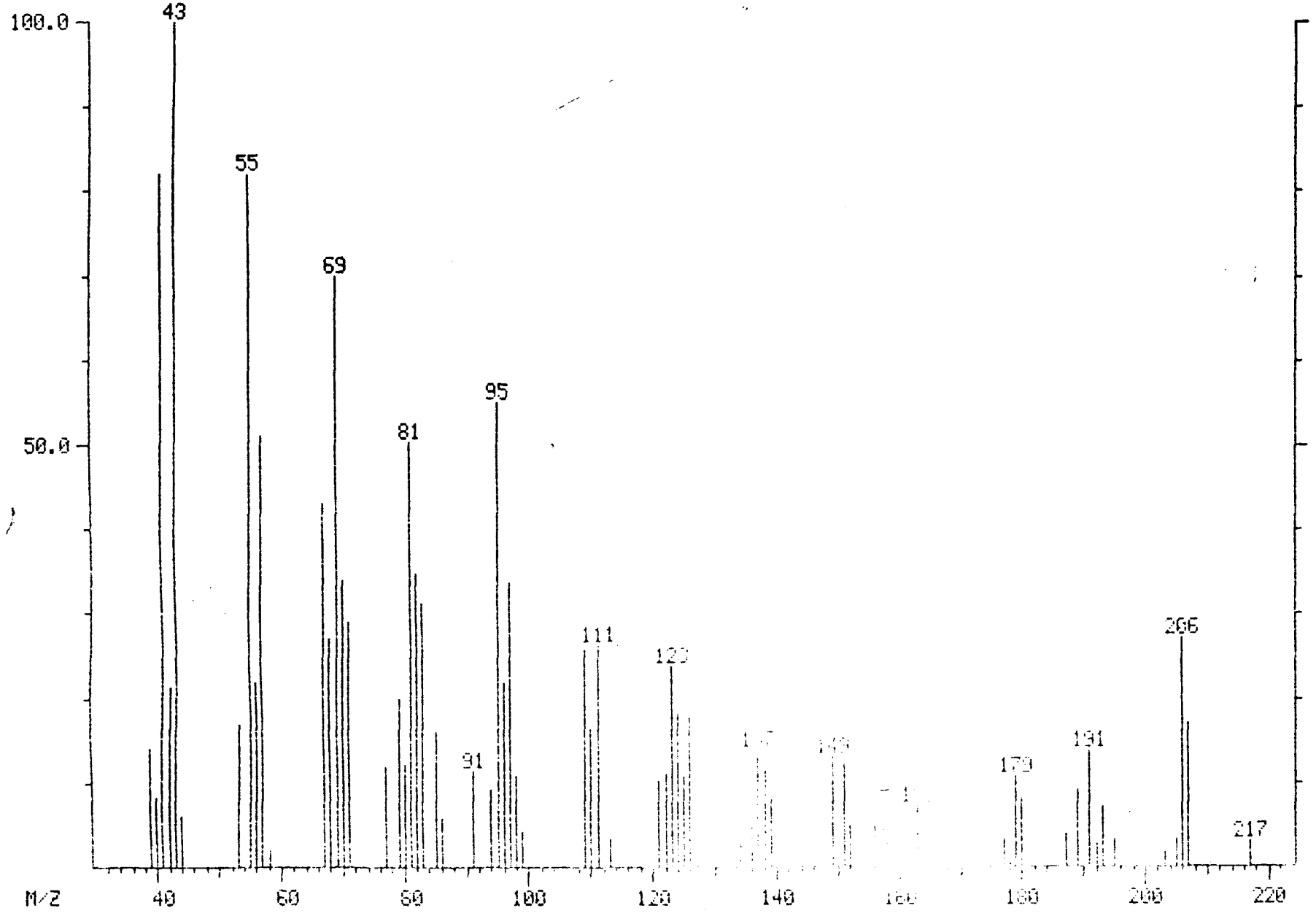
001908



MASS SPECTRUM
04/22/91 18:16:00 + 26:05
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2632
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 3432.



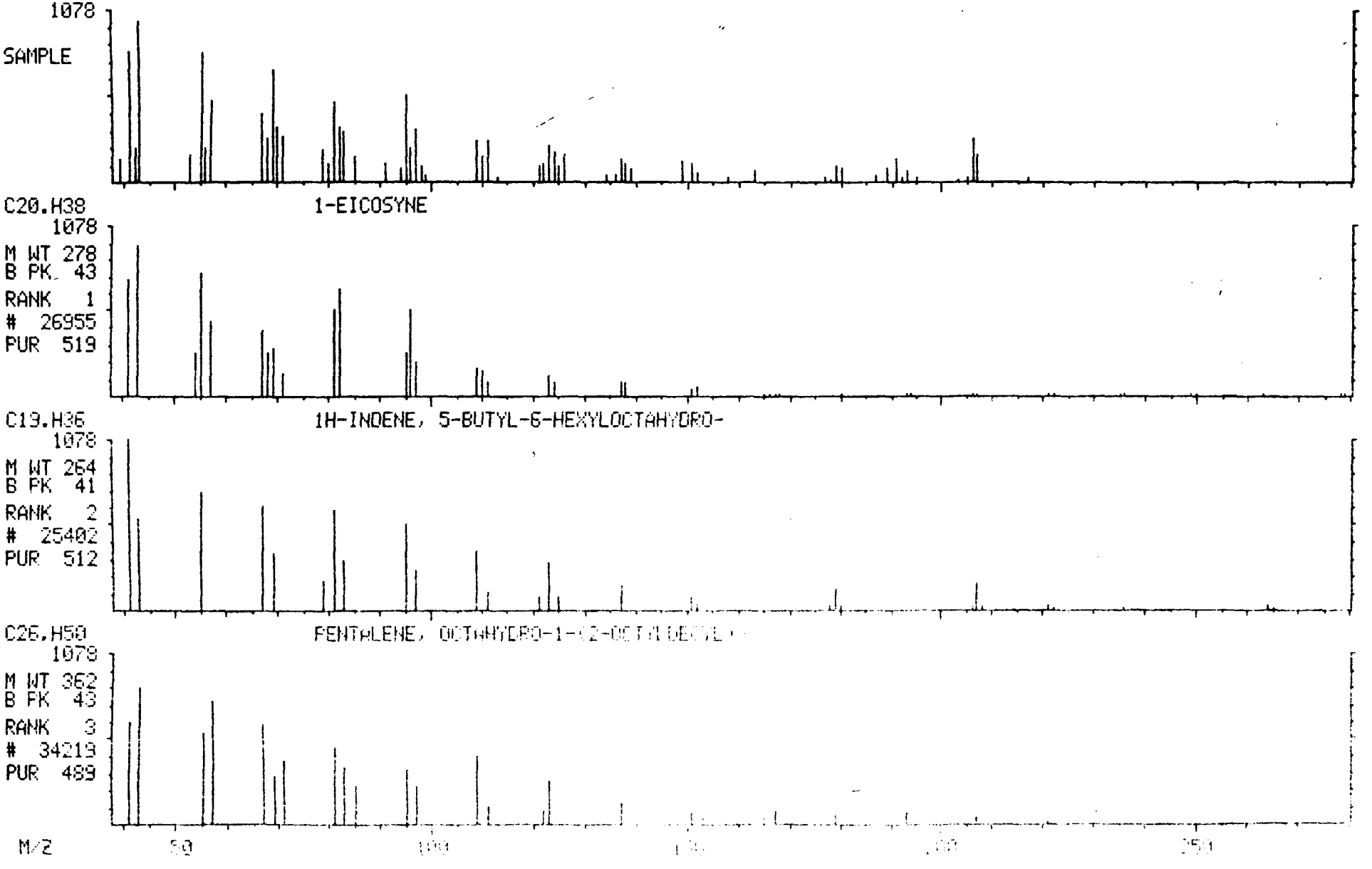
262.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 26:05
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2632
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 3336.

001910

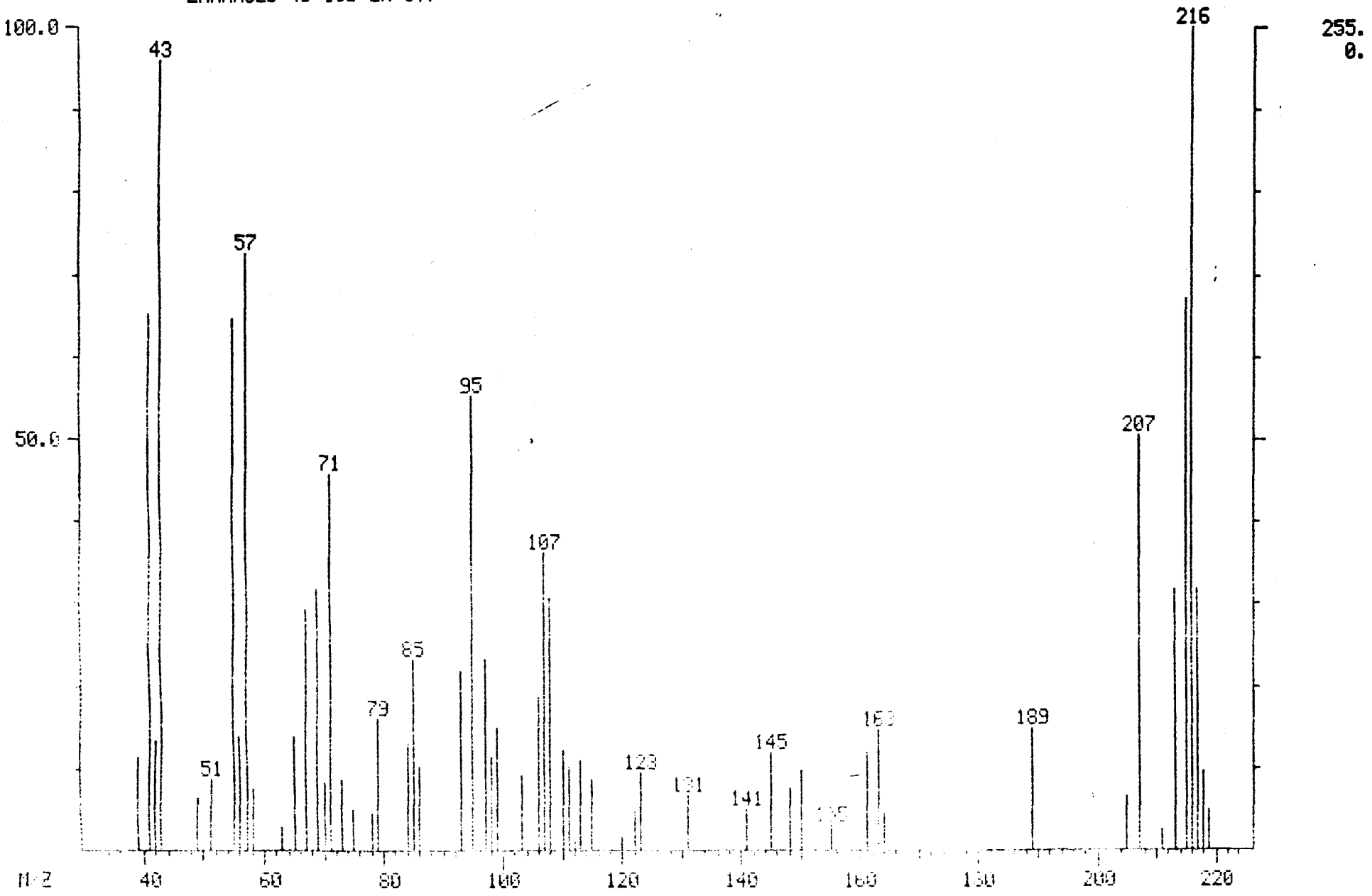


MASS SPECTRUM
04/22/91 18:16:00 + 28:11
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2844
CALI: APR22VG02 #3

BASE M/Z: 216
RIC: 3200.

001911

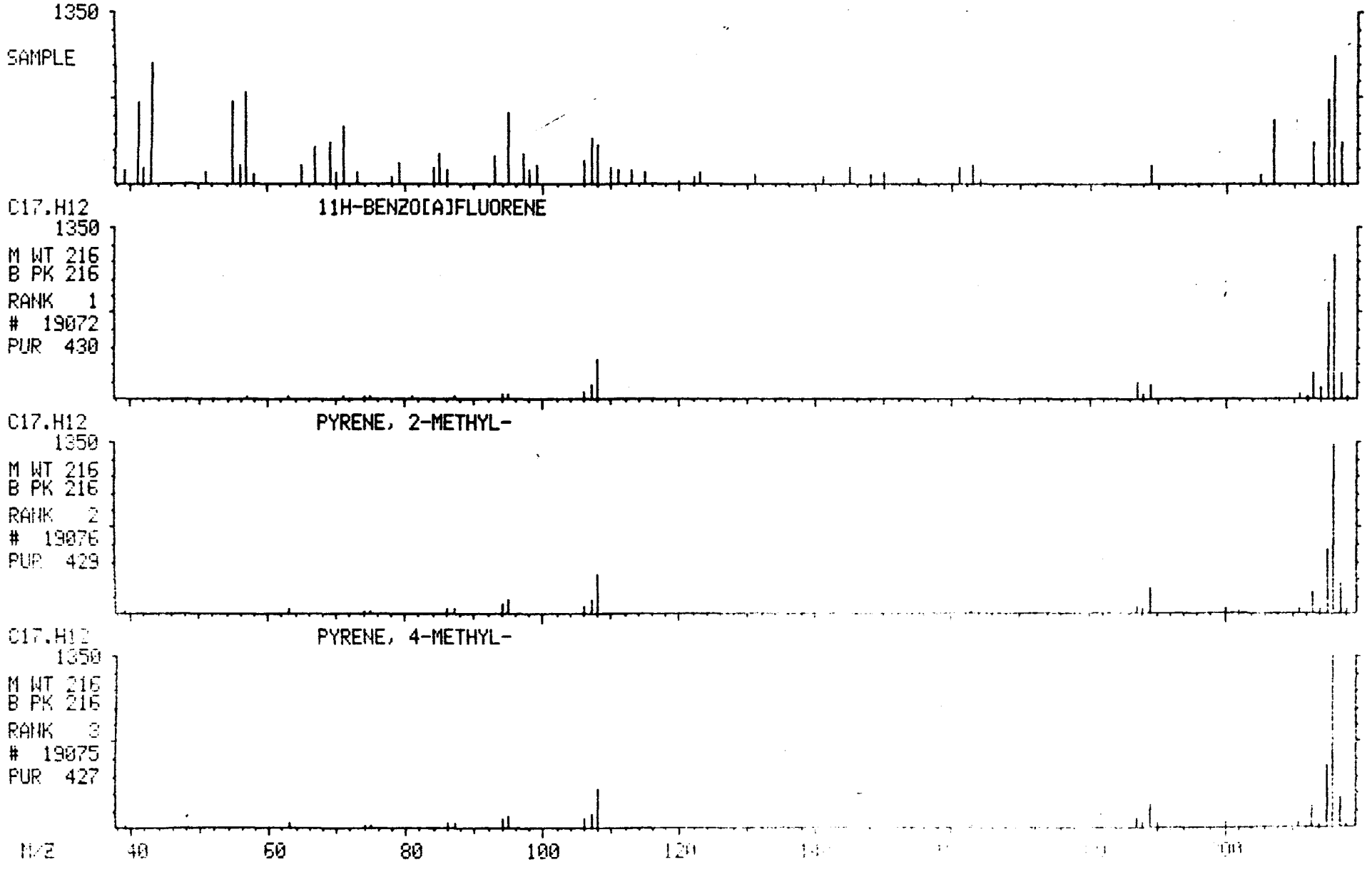


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 28:11
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #2844
CALI: APR22VG02 # 3

BASE M/Z: 216
RIC: 3088.

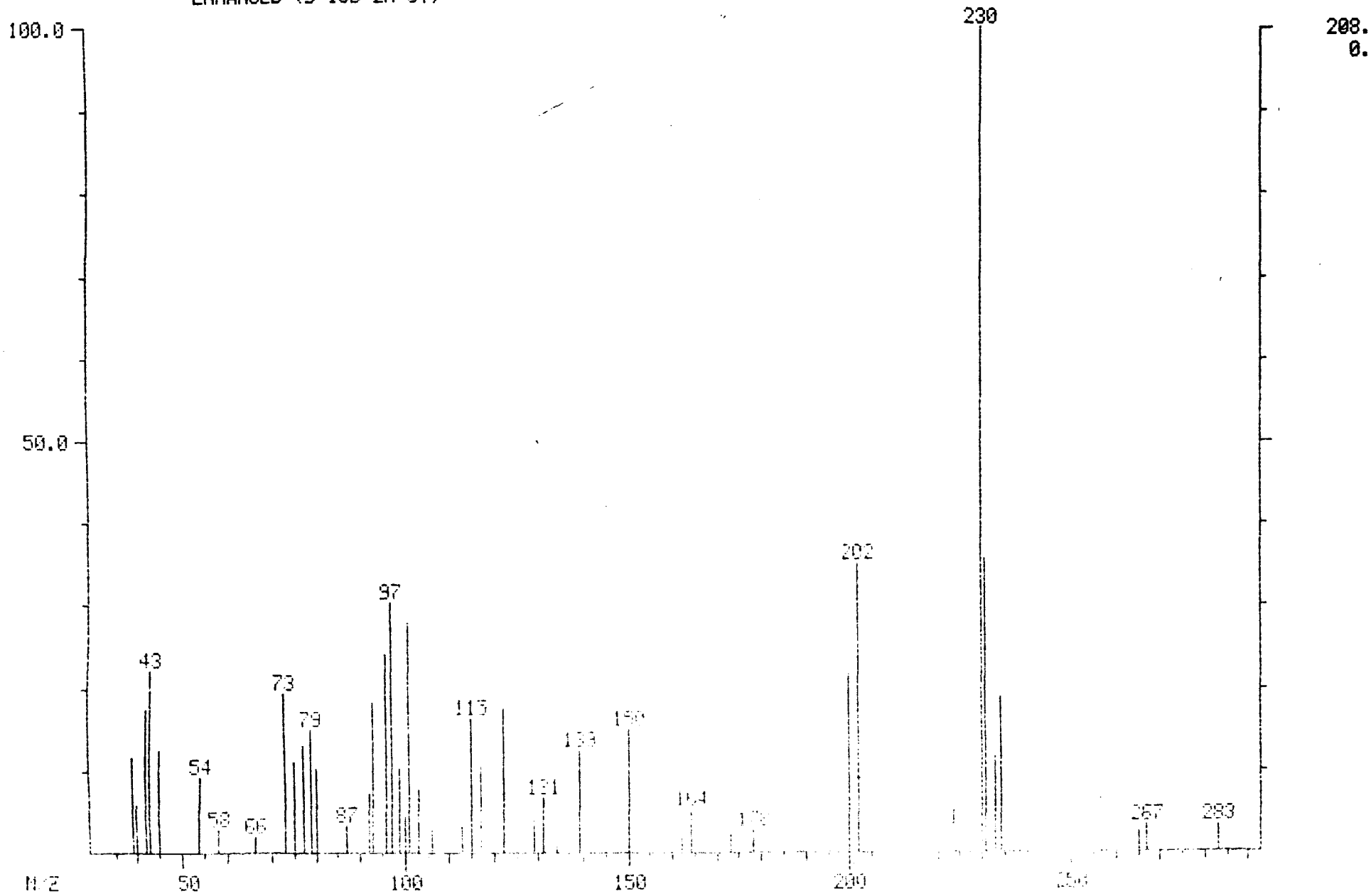
001912



MASS SPECTRUM
04/22/91 18:16:00 + 30:35
SAMPLE: 90308 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3086
CALI: APR22VG02 #3

BASE M/Z: 230
RIC: 1300.

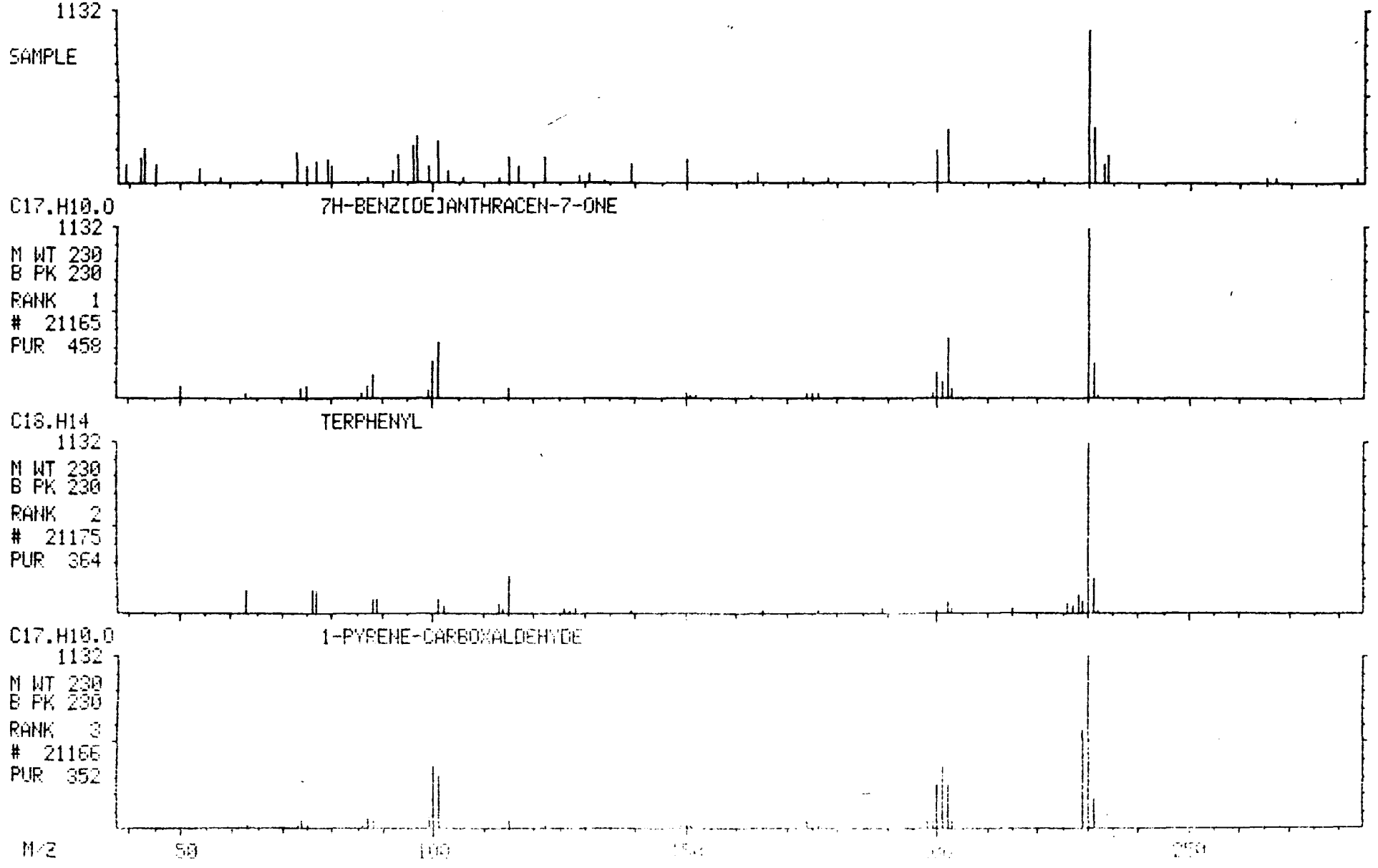


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 30:35
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3086
CALI: APR22VG02 # 3

BASE M/Z: 230
RIC: 1278.

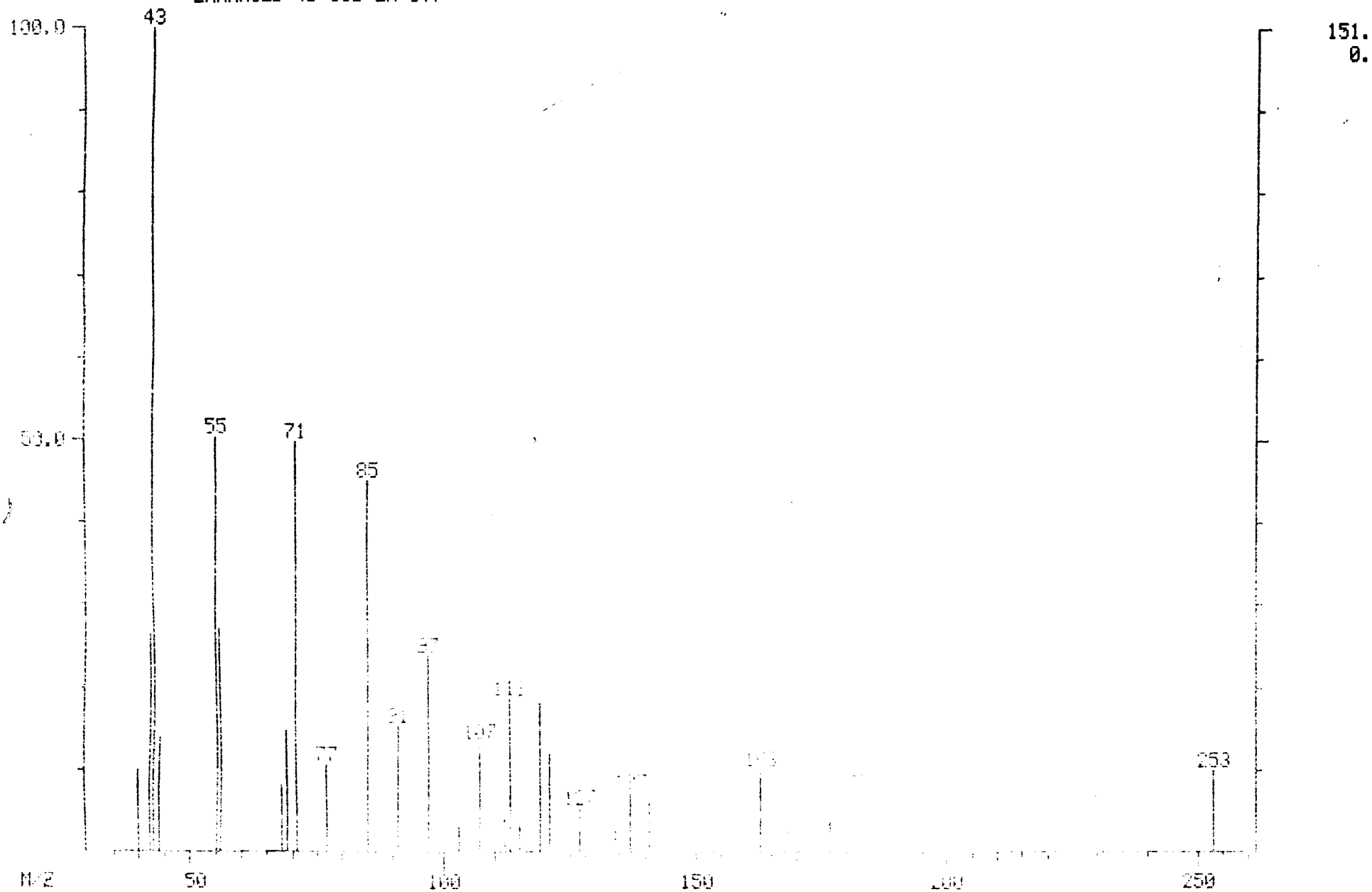
001914



MASS SPECTRUM
04/22/31 18:16:00 + 38:45
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3909
CALI: APR22VG02 #3

BASE M/Z: 43
RIC: 773.



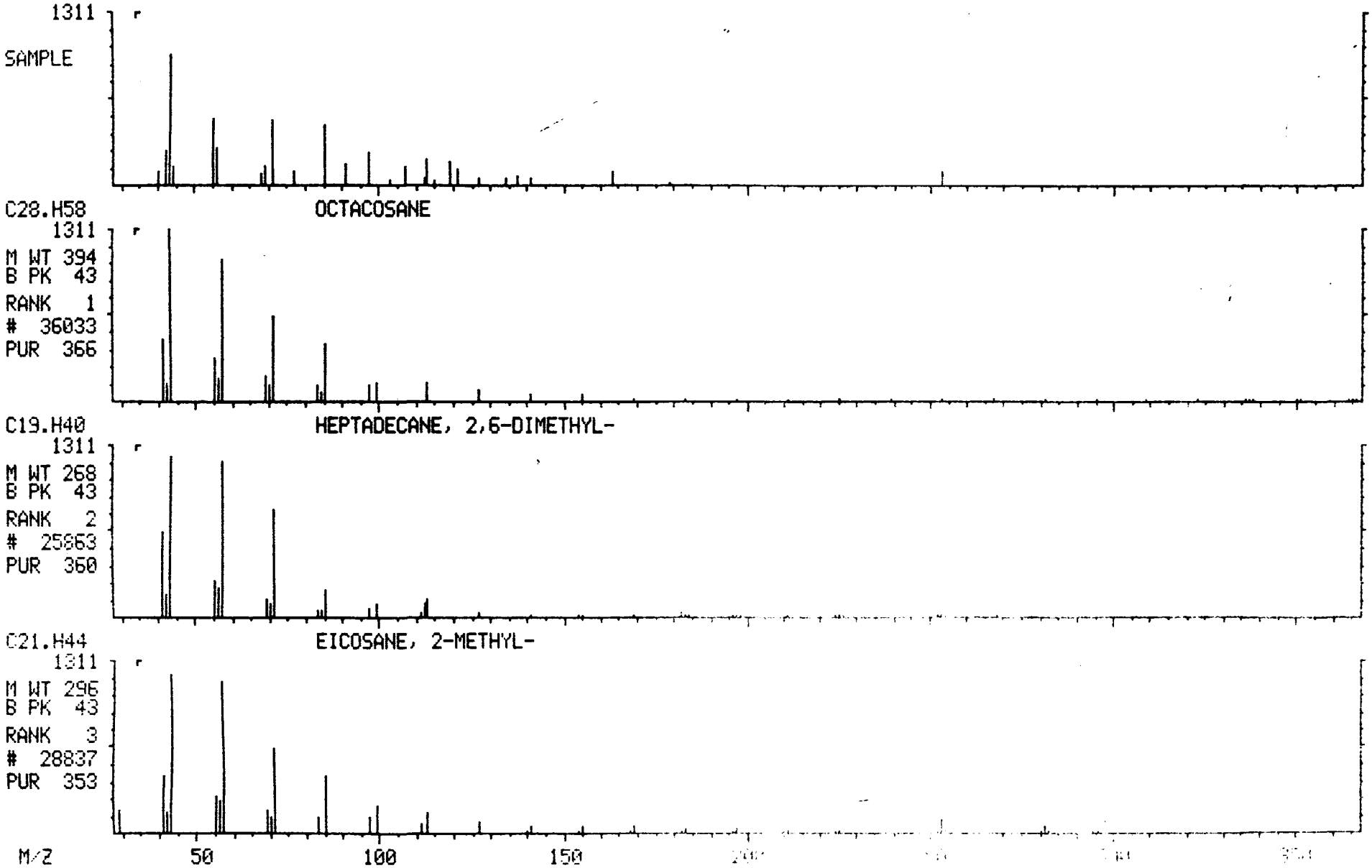
001915

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 18:16:00 + 38:45
SAMPLE: 90908 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG02 #3909
CALI: APR22VG02 # 3

BASE M/Z: 43
RIC: 773.

C01915



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1300	U
111-44-4	bis(2-Chloroethyl)Ether	1300	U
95-57-8	2-Chlorophenol	1300	U
541-73-1	1,3-Dichlorobenzene	1300	U
106-46-7	1,4-Dichlorobenzene	1300	U
100-51-6	Benzyl Alcohol	1300	U
95-50-1	1,2-Dichlorobenzene	1300	U
95-48-7	2-Methylphenol	1300	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1300	U
106-44-5	4-Methylphenol	1300	U
621-64-7	N-Nitroso-Di-n-Propylamine	1300	U
67-72-1	Hexachloroethane	1300	U
98-95-3	Nitrobenzene	1300	U
78-59-1	Isophorone	1300	U
88-75-5	2-Nitrophenol	1300	U
105-67-9	2,4-Dimethylphenol	1300	U
65-85-0	Benzoic Acid	6100	U
111-91-1	bis(2-Chloroethoxy)Methane	1300	U
120-83-2	2,4-Dichlorophenol	1300	U
120-82-1	1,2,4-Trichlorobenzene	1300	U
91-20-3	Naphthalene	1300	U
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	1300	U
59-50-7	4-Chloro-3-Methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1300	U
77-47-4	Hexachlorocyclopentadiene	1300	U
88-06-2	2,4,6-Trichlorophenol	1300	U
95-95-4	2,4,5-Trichlorophenol	6100	U
91-58-7	2-Chloronaphthalene	1300	U
88-74-4	2-Nitroaniline	6100	U
131-11-3	Dimethyl Phthalate	1300	U
208-96-8	Acenaphthylene	1300	U
606-20-2	2,6-Dinitrotoluene	1300	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	6100	U
83-32-9	Acenaphthene	1300	U
51-28-5	2,4-Dinitrophenol	6100	U
100-02-7	4-Nitrophenol	6100	U
132-64-9	Dibenzofuran	1300	U
121-14-2	2,4-Dinitrotoluene	1300	U
84-66-2	Diethylphthalate	1300	U
7005-72-3	4-Chlorophenyl-phenylether	1300	U
86-73-7	Fluorene	1300	U
100-10-6	4-Nitroaniline	6100	U
534-52-1	4,6-Dinitro-2-Methylphenol	6100	U
86-30-6	N-Nitrosodiphenylamine (1)	1300	U
101-55-3	4-Bromophenyl-phenylether	1300	U
118-74-1	Hexachlorobenzene	1300	U
87-86-5	Pentachlorophenol	6100	U
85-01-8	Phenanthrene	1300	U
120-12-7	Anthracene	1300	U
84-74-2	Di-n-Butylphthalate	1300	U
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	340	J
85-68-7	Butylbenzylphthalate	1300	U
91-94-1	3,3'-Dichlorobenzidine	2500	U
56-55-3	Benzo(a)Anthracene	1300	U
218-01-9	Chrysene	1300	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1300	U
117-84-0	Di-n-Octyl Phthalate	1300	U
205-99-2	Benzo(b)Fluoranthene	1300	U
207-08-9	Benzo(k)Fluoranthene	1300	U
50-32-8	Benzo(a)Pyrene	1300	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1300	U
53-70-3	Dibenz(a,h)Anthracene	1300	U
191-24-2	Benzo(g,h,i)Perylene	1300	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

(111

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D190909

Matrix: (soil/water) SOIL Lab Sample ID: D190909

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 48 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.45	100	J
2.	UNKNOWN ALIP. ALCOHOL	7.97	3800	BAJ
3.	UNKNOWN	10.09	140	BJ
4.	UNKNOWN	11.60	480	BJ
5.	UNKNOWN	13.02	110	J
6.	UNKNOWN	17.74	300	J
7.	UNKNOWN	21.82	200	J
8.	UNKNOWN ALIP. HYDROCARBON	22.19	88	J
9.	UNKNOWN PHTHALATE	24.00	87	J
10.	UNKNOWN	25.14	120	J
11.	UNKNOWN	25.91	390	J
12.	UNKNOWN	26.06	1000	J
13.	UNKNOWN	28.16	180	J
14.	UNKNOWN ALIP. HYDROCARBON	30.45	150	J
15.	UNKNOWN ALIP. HYDROCARBON	32.74	190	J
16.	UNKNOWN ALIP. HYDROCARBON	33.72	190	J

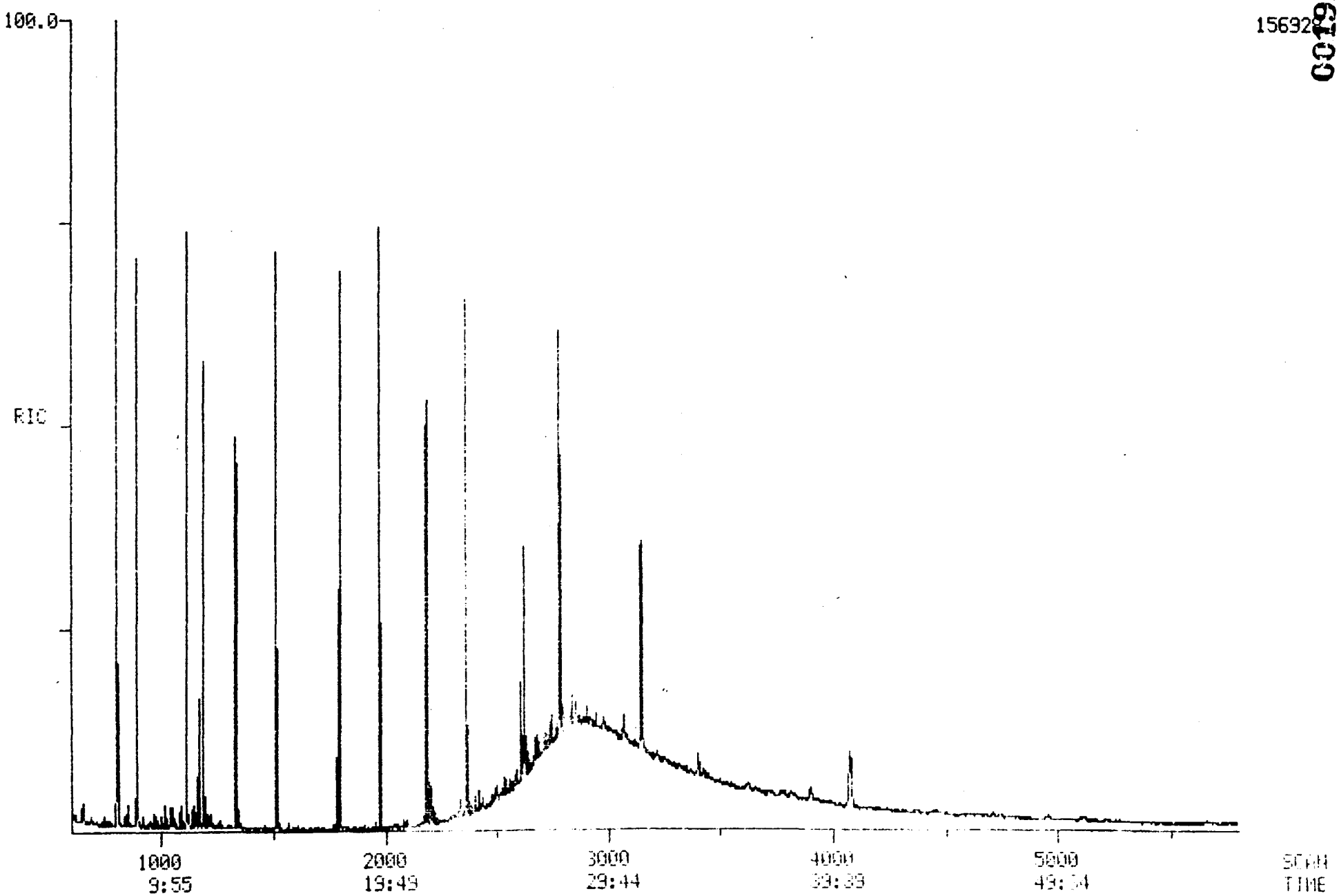
[redacted]

FORM I SV-TIC

 1/87 Rev.

XIII

RIC DATA: APR22VG03 #1 SCANS 600 TO 5800
04/22/91 19:22:00 CALI: APR22VG03 #3
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



15692

001920

```
4/22/91     19:22:15
    Acquisition started


4/22/91     19:22:18
Acquire                          Run 0:APR22VG03          Starting
04/22/91 19:22:00 +  0:00        Free sectors:  8525      Scan: 0 of 5800
Sample: 90909 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SB                 Analyst: VG              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5       VIAL:  1
                    *** GC not ready and being equilibrated ***
GC Desc.: BN                                        Elapsed time :    0.0 Min
Seq    Temp     Rate      Time (minutes)
 #    (DegC)   (C/min)   period     total      Injector A    :  260 Deg C
 1    40- 40     -         4.0       4.0      GC oven       :   54 Deg C
 2    40-280    10.0      24.0      28.0      Transfer-line:  271 Deg C
 3   280-280     -        32.0      60.0      Ion source    :  182 Deg C
Valve A : closed        Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state -> Filament : Off  Multiplier : Off
MODE: DI - Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window # 1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan description  BN        Mass intervals:  1       Positive ion mode.
Total scan time   0.595  s                           Master rate:    16

MFW:    0  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass    Hi mass       Time
   1      34.510    450.635      1.000

Sequence Window # 2
                    Number of cycles:    1
                    Filament is ON
                    Multiplier is ON
Scan description  BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                           Master rate:    16

MFW:    0  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass    Hi mass       Time
          34.510    450.635      1.000

    Calibration table:        1:CALTAB

    Interface number            0
      Instrument type           Q
      Hi scale mass          1159  u
      Lo scale mass             1  u
      Transition                2
      Peak width              [illegible]  %
      Offset at [illegible]     0  mmu
```

001921

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (hig	128.00	0.00
Resolution (low	128.00	0.00
[illegible] offset	0.00	0.00
[illegible] programming	0.00	0.00
[illegible] offset	-50.00	0.00
[illegible] programming	0.00	0.00
[illegible] offset	-2.50	0.00
[illegible] programming	0.00	0.00
[illegible]lector	30.00	0.00
[illegible] offset	7.00	0.00
[illegible] programming	5.00	0.00
[illegible] polarity	Reverse	Normal

Electron multiplier voltage: 972.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

[illegible] ..... 0.016 Torr
[illegible] ..... 7.800 Torr

[illegible]
[illegible] SIMULATED
[illegible] Centroid

[illegible]	Out of	%	Peaks per scan	per sec
[illegible]	3449.4	0.5	288240.	50.	84.

001922

Quantitation Report File: APR22VG03

Data: APR22VG03 TI
04/22/91 17:02:00
Sample: 90909 GPC CLP 1UL.-1 OML.
Conds : 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

RT	Name
[illegible]	D130 D4-1,4-DICHLOROBENZENE (INTERNAL)
[illegible]	[illegible] PHENOL
[illegible]	[illegible] BIS(2-CHLOROETHYL)ETHER
[illegible]	[illegible] 2-CHLOROPHENOL
[illegible]	[illegible] 1,3-DICHLOROBENZENE
[illegible]	[illegible] 1,4-DICHLOROBENZENE
[illegible]	[illegible] 1,2-DICHLOROBENZENE
[illegible]	[illegible] BENZYL ALCOHOL
[illegible]	[illegible] 2-METHYLPHENOL
[illegible]	[illegible] BIS(2-CHLOROISOPROPYL)ETHER
[illegible]	[illegible] 4-METHYLPHENOL
[illegible]	[illegible] N-NITROSODI-N-PROPYLAMINE
[illegible]	[illegible] HEXACHLOROETHANE
[illegible]	[illegible] 2-FLUOROPHENOL (SURROGATE)
[illegible]	[illegible] PHENOL (SURROGATE)
[illegible]	[illegible] NAPHTHALENE (INTERNAL)
[illegible]	[illegible] NITROBENZENE
[illegible]	[illegible] ISOPHORONE
[illegible]	[illegible] 2-NITROPHENOL
[illegible]	[illegible] 2,4-DIMETHYLPHENOL
[illegible]	[illegible] BENZOIC ACID
[illegible]	[illegible] BIS(2-CHLOROETHOXY) METHANE
[illegible]	[illegible] 2,4-DICHLOROPHENOL
[illegible]	[illegible] 1,2,4-TRICHLOROBENZENE
[illegible]	[illegible] NAPHTHALENE
[illegible]	[illegible] 4-CHLOROANILINE
[illegible]	[illegible] HEXACHLOROBUTADIENE
[illegible]	[illegible] 4-CHLORO-3-METHYLPHENOL
[illegible]	[illegible] 2-METHYLNAPHTHALENE
[illegible]	D521 D5-NITROBENZENE (SURROGATE)
[illegible]	[illegible] D10-ACENAPHTHENE (INTERNAL)
[illegible]	[illegible] HEXACHLOROCYCLOPENTADIENE
[illegible]	[illegible] 2,4,6-TRICHLOROPHENOL
[illegible]	[illegible] 2,4,5-TRICHLOROPHENOL
[illegible]	[illegible] 2-CHLORONAPHTHALENE
[illegible]	[illegible] 2-NITROANILINE
[illegible]	[illegible] DIMETHYLPHTHALATE
[illegible]	1540 ACENAPHTHYLENE
[illegible]	1545 3-NITROANILINE
[illegible]	[illegible] ACENAPHTHENE
[illegible]	[illegible] 2,4-DINITROPHENOL
[illegible]	[illegible] 4-NITROPHENOL
[illegible]	[illegible] DIBENZOFURAN
[illegible]	1543 2,6-DINITROTOLUENE
[illegible]	[illegible] 2,4-DINITROTOLUENE
[illegible]	1580 DIETHYLPHTHALATE
[illegible]	[illegible] 4-CHLOROPHENYL PHENYL ETHER

001923

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C525 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref#	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1191	11:48	1	1.000	A BB	64124.	40.000 UG/L	4.74
2	94	1118	11:05	1	0.939	A BB	442.	0.310 UG/L	0.04
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
[illegible]	[illegible]	[illegible]	[illegible]	1	1.009	A BB	790.	0.611 UG/L	0.07
[illegible]	[illegible]	[illegible]	12:19	1	1.043	A BB	228.	0.190 UG/L	0.02
[illegible]	[illegible]	[illegible]							
[illegible]	[illegible]	[illegible]							
[illegible]	[illegible]	[illegible]	12:34	1	1.065	A BB	212.	0.123 UG/L	0.01
[illegible]	[illegible]	[illegible]	12:52	1	1.091	A BB	144.	0.129 UG/L	0.02
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	[illegible]	1	0.749	A BB	93302.	103.185 %	12.21
[illegible]	[illegible]	[illegible]	11:[illegible]	1	0.936	A BB	106697.	106.310 %	12.58
[illegible]	[illegible]	[illegible]	15:[illegible]	16	1.000	A BB	161186	40.000 UG/L	4.74
[illegible]	[illegible]	[illegible]	13:[illegible]	16	0.881	A BB	326.	0.223 UG/L	0.03
[illegible]									
[illegible]									
[illegible]									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.980	A BB	[illegible]	0.055 UG/L	0.01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A BB	120	0.120 UG/L	0.01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A BB	852.	0.231 UG/L	0.03
[illegible]									
[illegible]									
[illegible]	[illegible]	[illegible]	[illegible]	16	1.122	A BB	418.	0.172 UG/L	0.02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.881	A BV	71006.	91.411 %	10.82
[illegible]	[illegible]	[illegible]	[illegible]	31	1.000	A BB	80954	40.000 UG/L	4.74
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	19:[illegible]	31	1.004	A BB	92.	0.045 UG/L	0.01
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	20:15	31	1.025	A BB	308.	0.096 UG/L	0.01
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	149	2095	20:46	31	1.060	A BB	354.	0.135 UG/L	0.02
47	NOT FOUND								
47	[illegible]	2116	20:58	31	1.071	A BB	158.	0.066 UG/L	0.01
49	NOT FOUND								
[illegible]	[illegible]	1798	17:49	31	0.910	A BV	107974.	107.121 %	12.68

001924

Quantitation Report File: APR22VG03

Data: APR22VG03.TI
04/22/91 19:22:00
Sample: 90909 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
31	0555 2,4,6-TRIBROMOPHENOL (SURROGATE)
32	0160 D10-PHENANTHRENE (INTERNAL)
33	0610 4,6-DINITRO-2-METHYLPHENOL
34	0625 4-BROMOPHENYL PHENYL ETHER
35	0630 HEXACHLOROBENZENE
36	0635 PENTACHLOROPHENOL
37	0640 PHENANTHRENE
38	0645 ANTHRACENE
39	0650 DI-N-BUTYLPHTHALATE
40	0655 FLUORANTHENE
41	0660 AZOBENZENE
42	0665 PYRENE
43	0675 N-NITROSODIPHENYLAMINE
44	0170 D12-CHRYSENE (INTERNAL)
45	0680 BUTYLBENZYLPHTHALATE
46	0685 3,3'-DICHLOROBENZIDINE
47	0690 BENZO(A)ANTHRACENE
48	0695 BIS(2-ETHYLHEXYL)PHTHALATE
49	0700 CHRYSENE
50	0705 DIBENZO(A,H)ANTHRACENE (SURROGATE)
51	0175 D12-PERYLENE (INTERNAL)
52	0710 DI-N-OCTYLPHTHALATE
53	0715 BENZO(B)FLUORANTHENE
54	0720 BENZO(K)FLUORANTHENE
55	0725 BENZO(A)PYRENE
56	0730 INDENO(1,2,3-CD)PYRENE
57	0735 DIBENZO(A,H)ANTHRACENE
58	0740 BENZO(G,H,I)PERYLENE

No	Rt	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
31	330	2184	21.39	31	1.105	A BB	20738.	97.051 %	11.49
32	188	2363	23.25	52	1.000	A BV	129879.	40.000 UG/L	4.74
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	178	2369	23.29	52	1.003	A BB	4168.	1.298 UG/L	0.15
38	178	2381	23.36	52	1.008	A BB	872.	0.267 UG/L	0.03
39	149	2523	25.00	52	1.068	A BB	1014.	0.256 UG/L	0.03
40	202	2687	26.38	52	1.137	A BB	7360.	2.416 UG/L	0.29
41	77	2149	21.18	52	0.909	A BB	32.	0.009 UG/L	0.00
42	202	2747	27.14	52	1.163	A BB	7938.	2.646 UG/L	0.31
43	NOT FOUND								
44	240	3150	31.13	64	1.000	A BB	77657.	40.000 UG/L	4.74
45	149	2935	29.06	64	0.932	A BB	309.	0.199 UG/L	0.02

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	228	3143	31:09	64	0.998	A BV	2470.	1.182 UG/L	0.14
68	149	3169	31.25	64	1.006	A BB	730.	0.470 UG/L	0.06
69	228	3160	31:19	64	1.003	A VB	5100.	~~2.625 UG/L~~	0.31
70	244	2786	27:37	64	0.884	A BV	92558.	74.347 %	8.80
71	264	4080	40:26	71	1.000	A BB	38102.	40.000 UG/L	4.74
72	NOT FOUND								
73	252	3771	37:23	71	0.924	A BV	2966.	~~2.572 UG/L~~	0.30
74	252	3786	37:32	71	0.928	A VB	2670.	~~2.266 UG/L~~	0.27
75	252	4030	39:57	71	0.988	A BB	1708.	1.842 UG/L	0.22
76	276	5296	52:30	71	1.298	A*VB	722.	~~2.413 UG/L~~	0.29
77	NOT FOUND								
78	276	5673	56:14	71	1.390	A*VB	784.	~~2.410 UG/L~~	0.29

Quantitation Report File: APR22VG03A

Data: APR22VG03.TI
04/22/91 19:22:00
Sample: 90909 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.020
Resp. fac. from Library Entry

$\frac{639223}{422631} \times 40 \times \frac{1}{30.29} \times \frac{1}{100} = 0.020$

No	CAS #	Name
1	1576-87-0	2-PENTENAL, (E)-
2	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
3	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
4	5342-96-4	2-BUTANOL, 3-METHYL-, ACETATE
5	[illegible]-01-9	2-OCTANONE, 1-NITRO-
6	[illegible]-08-2	TRICYCLO[5.4.0.02,8]UNDEC-9-ENE, 2,6,6,9-TETRAMETHYL-
7	[illegible]-53-2	CEDROL
8	3891-98-3	DODECANE, 2,6,10-TRIMETHYL-
9	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST
10	[illegible]	1,1'-BIPHENYL, 2,2',3,6'-TETRACHLORO-
11	[illegible]	CYCLOHEXANE, 1-(1,5-DIMETHYLHEXYL)-4-(4-METHYLPENTYL)-
12	[illegible]	CYCLOHEXANE, 1-(1,5-DIMETHYLHEXYL)-4-(4-METHYLPENTYL)-
13	[illegible]	1,1'-BIPHENYL, 2,2',4,5,6'-PENTACHLORO-
14	[illegible]-29-2	1,1'-BIPHENYL, PENTACHLORO-
15	[illegible]-29-2	1,1'-BIPHENYL, PENTACHLORO-
16	[illegible]	PENTACOSANE
17	[illegible]-05-7	1,1'-BIPHENYL, 2,3,4,5,6-PENTACHLORO-
18	[illegible]-06-8	HEXATRIACONTANE
19	54833-48-6	HEPTADECANE, 2,6,10,15-TETRAMETHYL-
20	[illegible]-02-4	OCTACOSANE

No	Sig	Chan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	FIC	[illegible]	6 27	2	0.810	A BB	17260 UNK	0.054	1.28
2	FIC	[illegible]	7 10	2	1.000	A BB	639223 Dip OL	2.000 BA	47.39
3	FIC	[illegible]	10 15	2	1.346	A BB	22588 UNK	0.071 B	1.67
[illegible]	FIC	[illegible]	11 [illegible]	2	1.456	A BB	79589 UNK	0.249 B	5.90
[illegible]	FIC	[illegible]	12 14	2	1.672	A VB	17688 UNK	0.055	1.31
[illegible]	FIC	[illegible]	17 [illegible]	2	2.223	A BB	50484 UNK	0.158	3.74
[illegible]	FIC	[illegible]	21	2	2.736	A BV	32828 UNK	0.103	2.43
[illegible]	FIC	[illegible]	23 [illegible]	2	2.909	A VB	14730 HC	0.046	1.09
[illegible]	FIC	[illegible]	24 [illegible]	2	3.011	A BB	14344 Min Pkth	0.045	1.06
[illegible]	FIC	[illegible]	25 [illegible]	2	3.153	A BB	19936 UNK	0.062	1.48
[illegible]	FIC	[illegible]	25 54	2	3.250	A BB	64896 UNK	0.203	4.81
[illegible]	FIC	[illegible]	26 03	2	3.269	A BB	171558 UNK	0.537	12.72
[illegible]	FIC	[illegible]	26 32	2	3.330	A BB	~~17927~~	~~0.056~~	1.33
[illegible]	FIC	[illegible]	26 59	2	3.387	A BB	~~20066~~	~~0.063~~	1.49
[illegible]	FIC	[illegible]	27 47	2	3.486	A BB	~~22184~~	~~0.069~~	1.64
[illegible]	FIC	[illegible]	28 09	2	3.532	A BB	30120 UNK	0.094	2.23
[illegible]	FIC	[illegible]	28 19	2	3.553	A BB	~~27552~~	~~0.086~~	2.04
[illegible]	FIC	3072	30 27	2	3.821	A BB	24560 HC	0.077	1.82
[illegible]	FIC	3403	33 44	2	4.233	A BB	31640 HC	0.099	2.35
[illegible]	FIC	3906	38 43	2	4.858	A BB	29701 HC	0.093	2.20

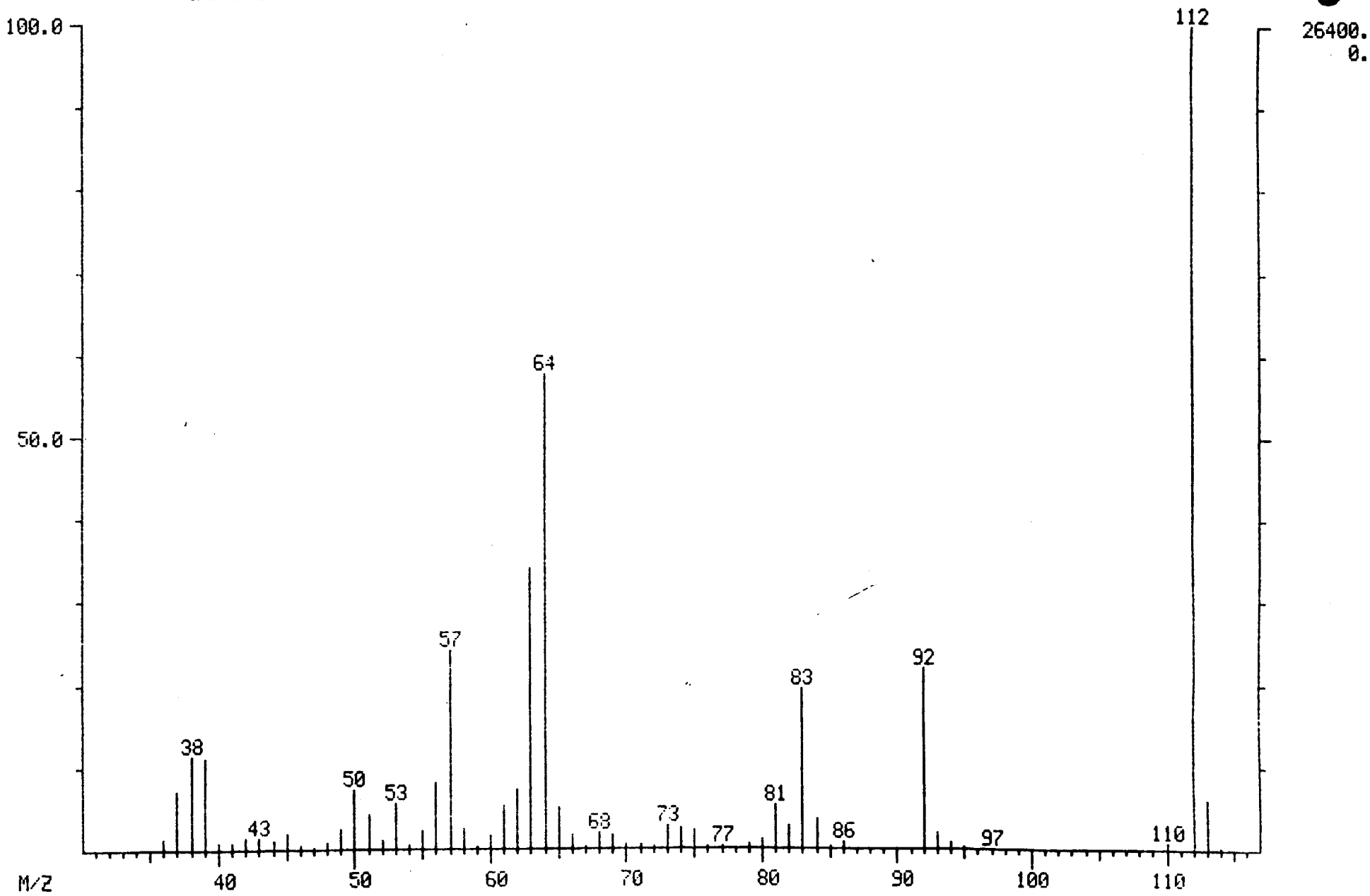
TARGET COMPOUND SPECTRA

001928

MASS SPECTRUM
04/22/91 19:22:00 + 8:50
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #892
CALI: APR22VG03 #3

BASE M/Z: 112
RIC: 102784.

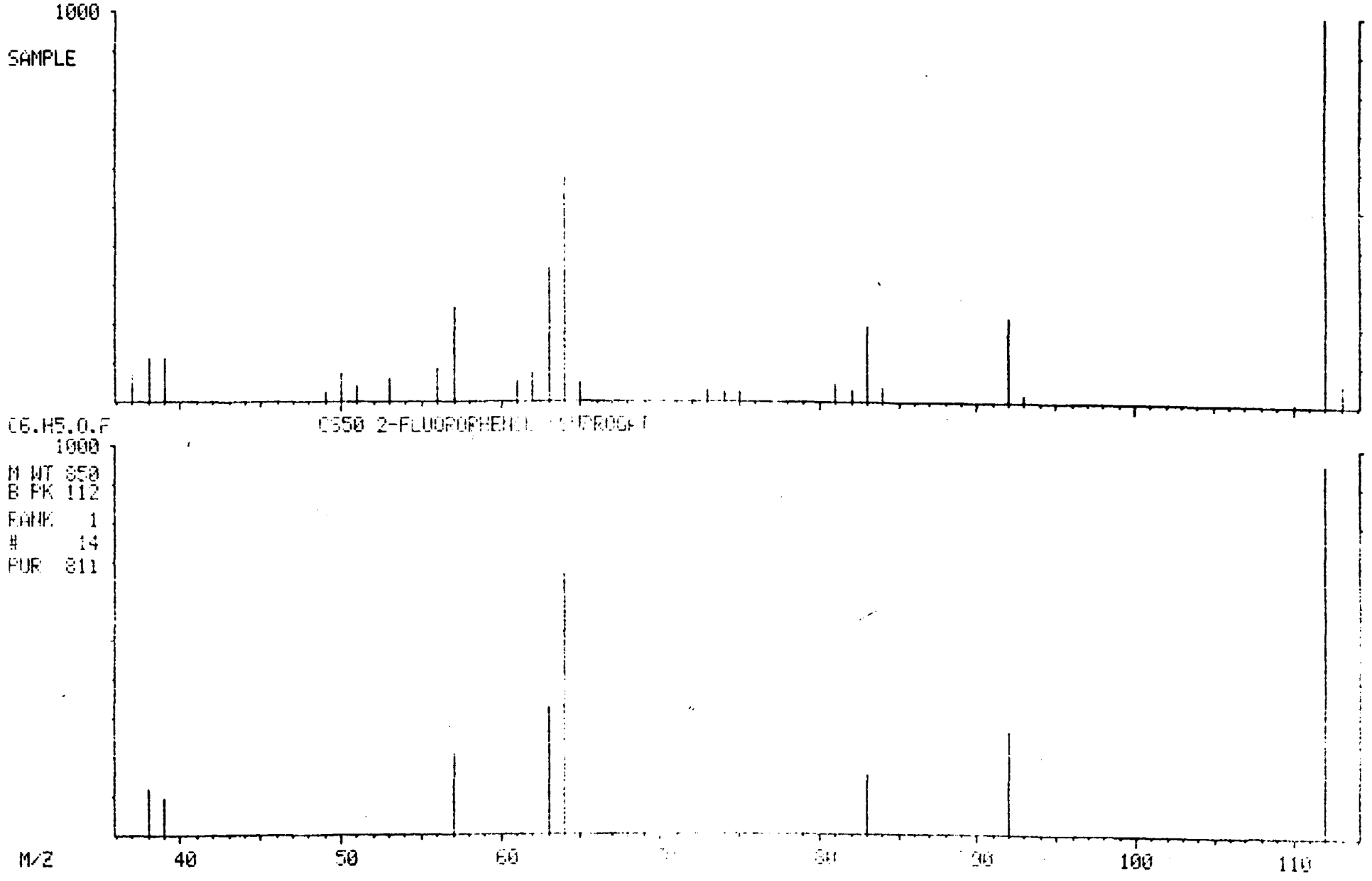


MID LIBRARY SEARCH (LIBRARY
04/22/91 19:22:00 + 8:50
SAMPLE: 90909 GPC CLP 1UL.-1.ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 70M DB- F.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 # 892
CALI: APR22VG03 # 3

BASE M/Z: 112
RIC: 94848.

001930

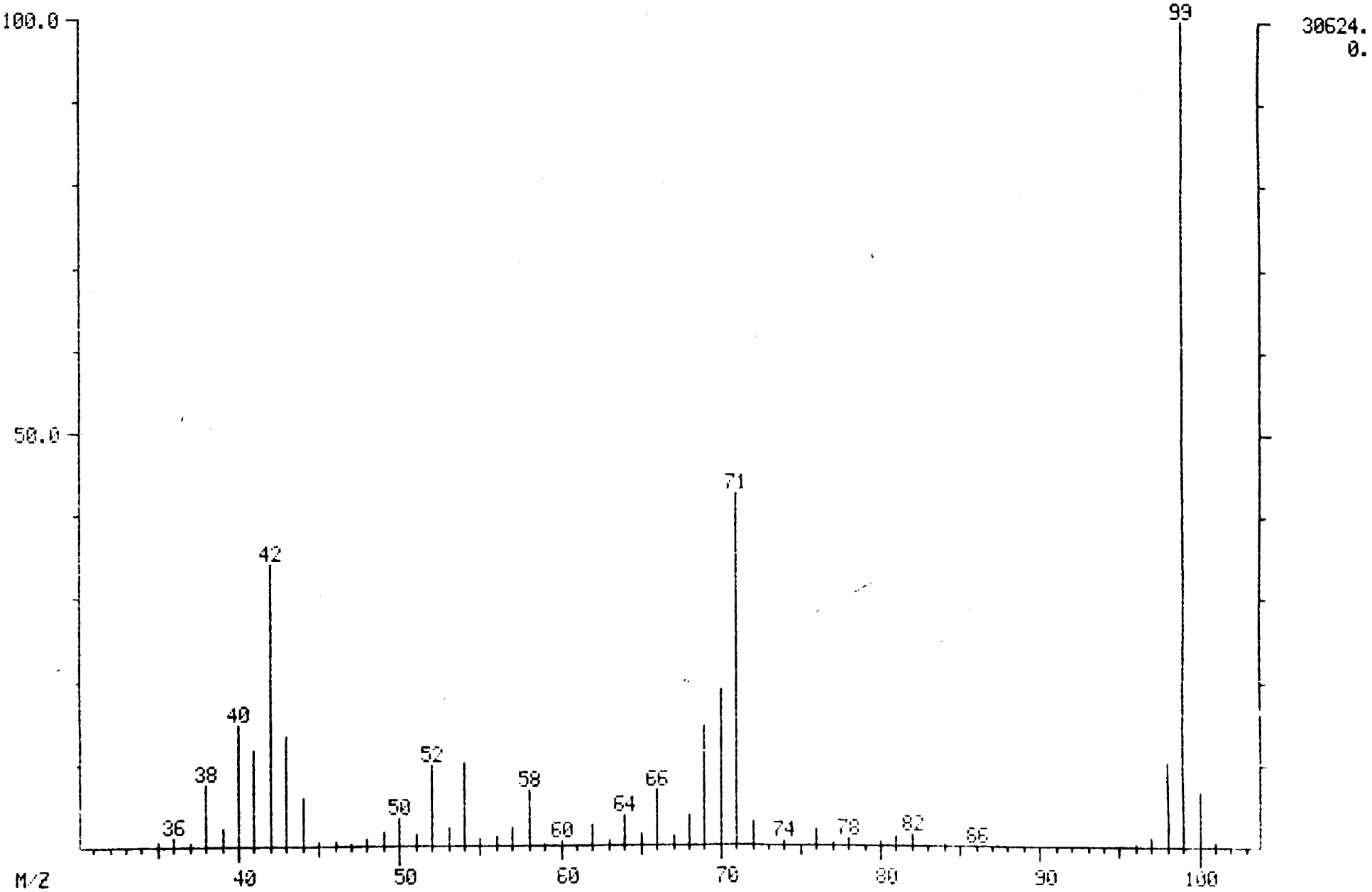


MASS SPECTRUM
04/22/91 19:22:00 + 11:03
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1115
CALI: APR22VG03 #3

BASE M/Z: 99
RIC: 108928.

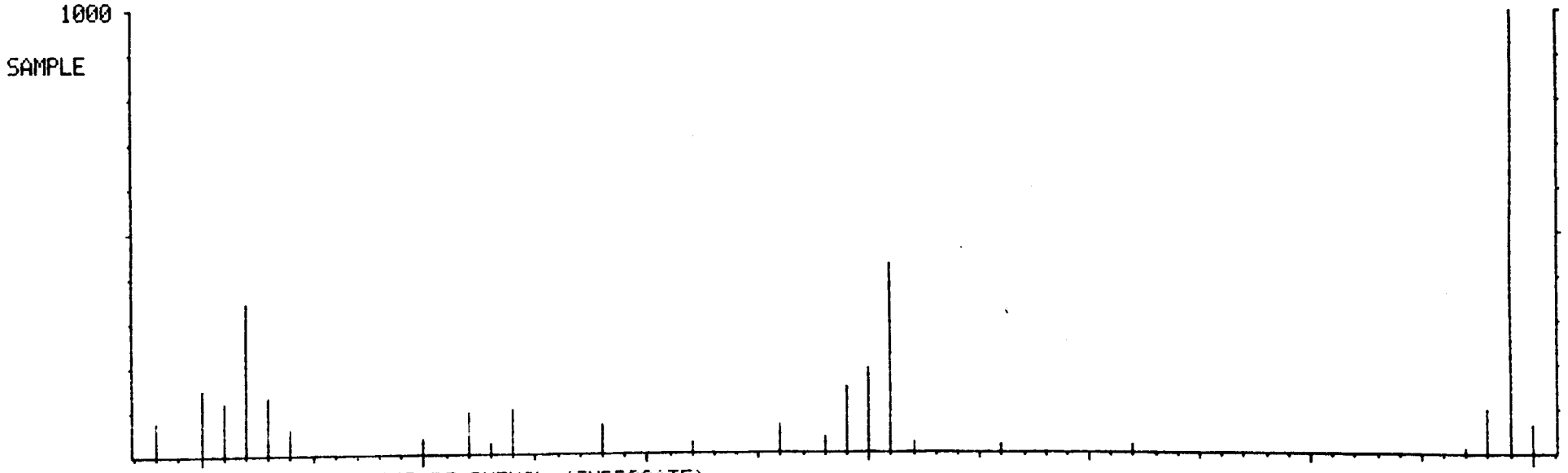
C01931



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 11:03
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

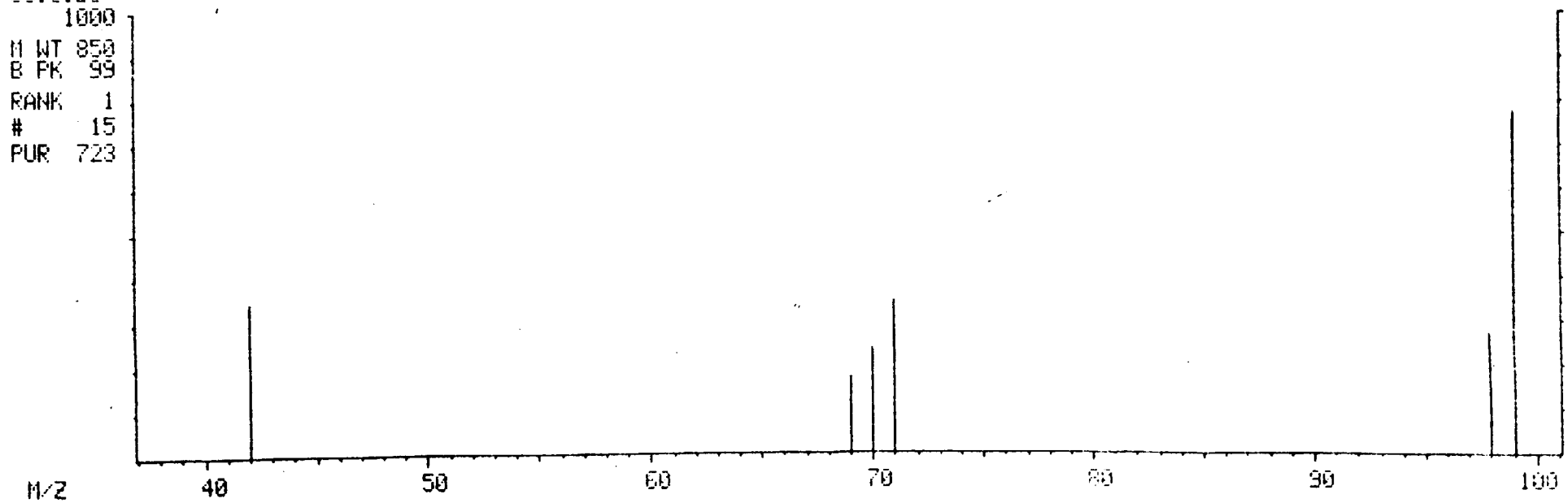
DATA: APR22VG03 #1115
CALI: APR22VG03 # 3

BASE M/Z: 99
RIC: 101248.



C6.0.D6

C545 D6-PHENOL (SURROGATE)



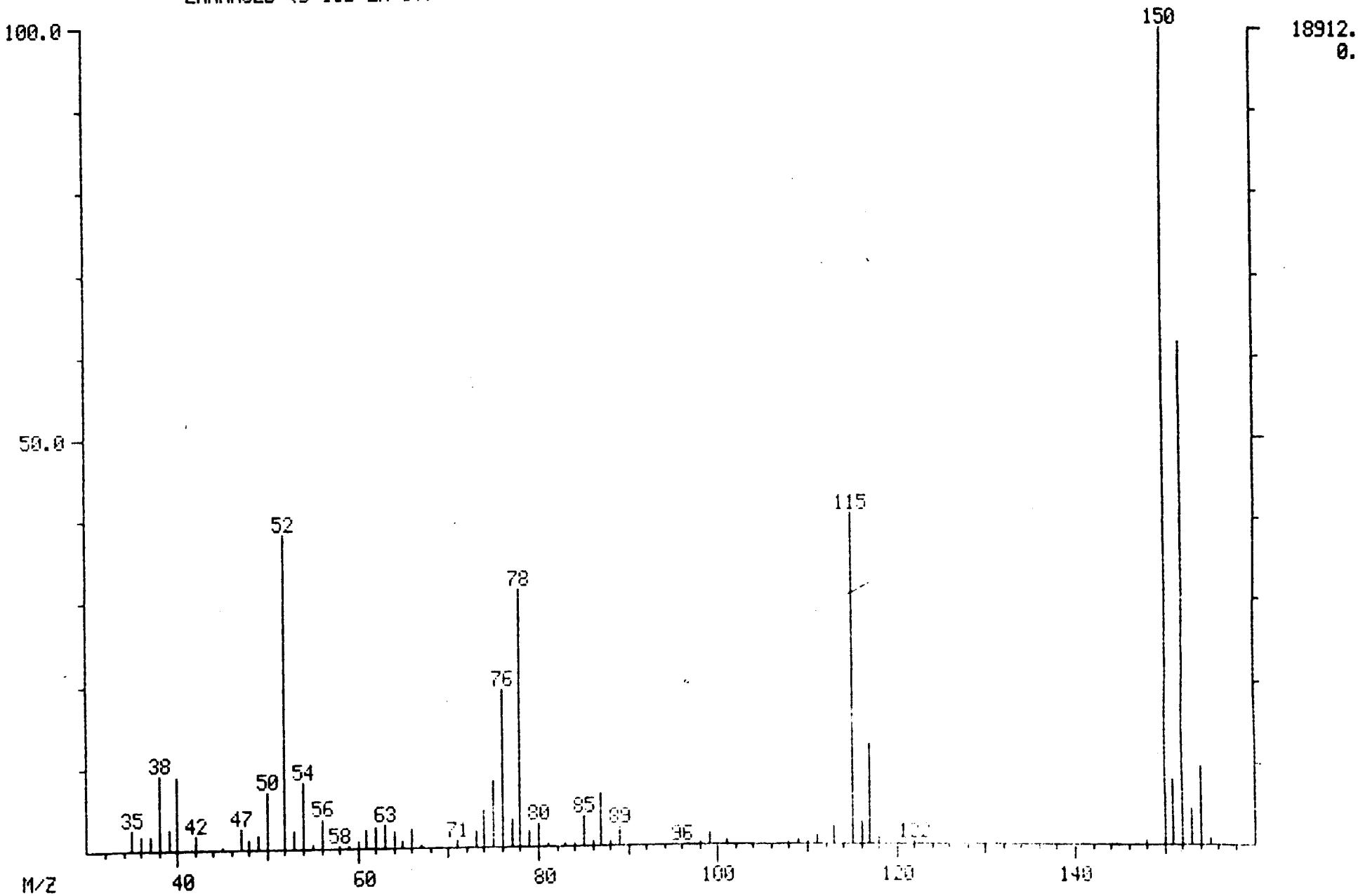
00139C2

MASS SPECTRUM
04/22/91 19:22:00 + 11:48
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1131
CALI: APR22VG03 #3

BASE M/Z: 150
RIC: 83840.

001933

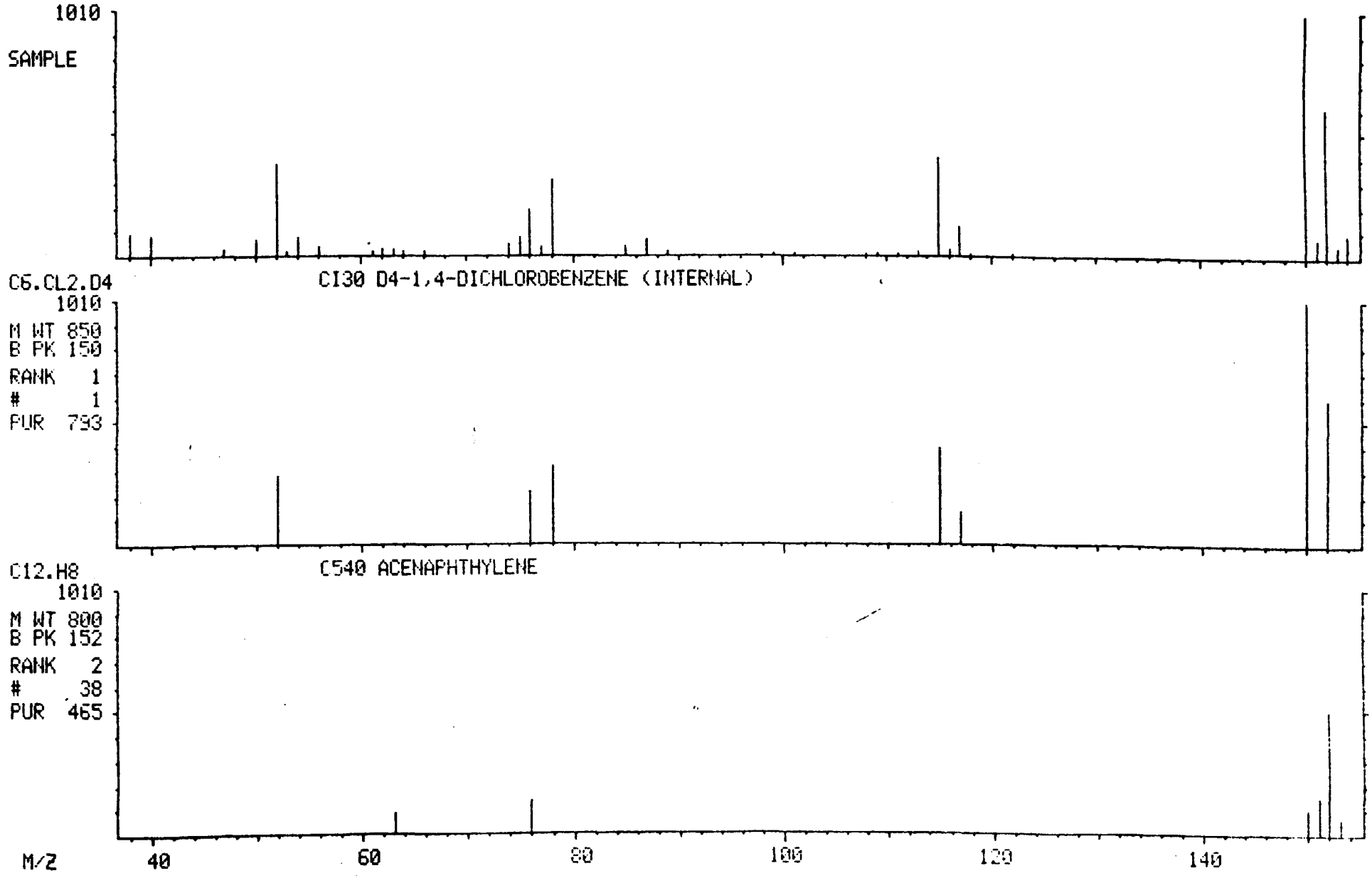


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 11:48
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1191
CALI: APR22VG03 # 3

BASE M/Z: 150
RIC: 78720.

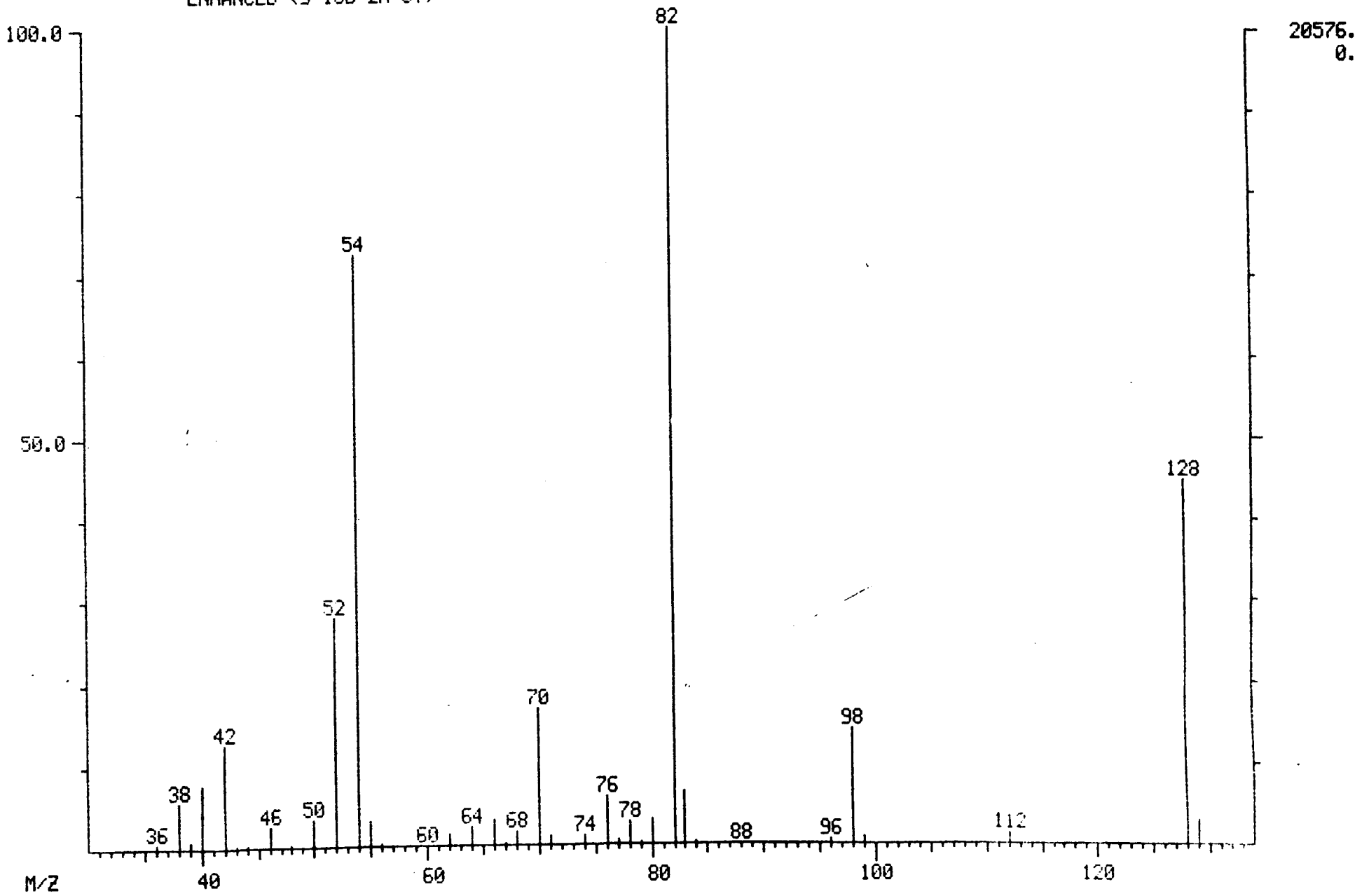
001934



MASS SPECTRUM
04/22/91 19:22:00 + 13:13
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1334
CALI: APR22VG03 #3

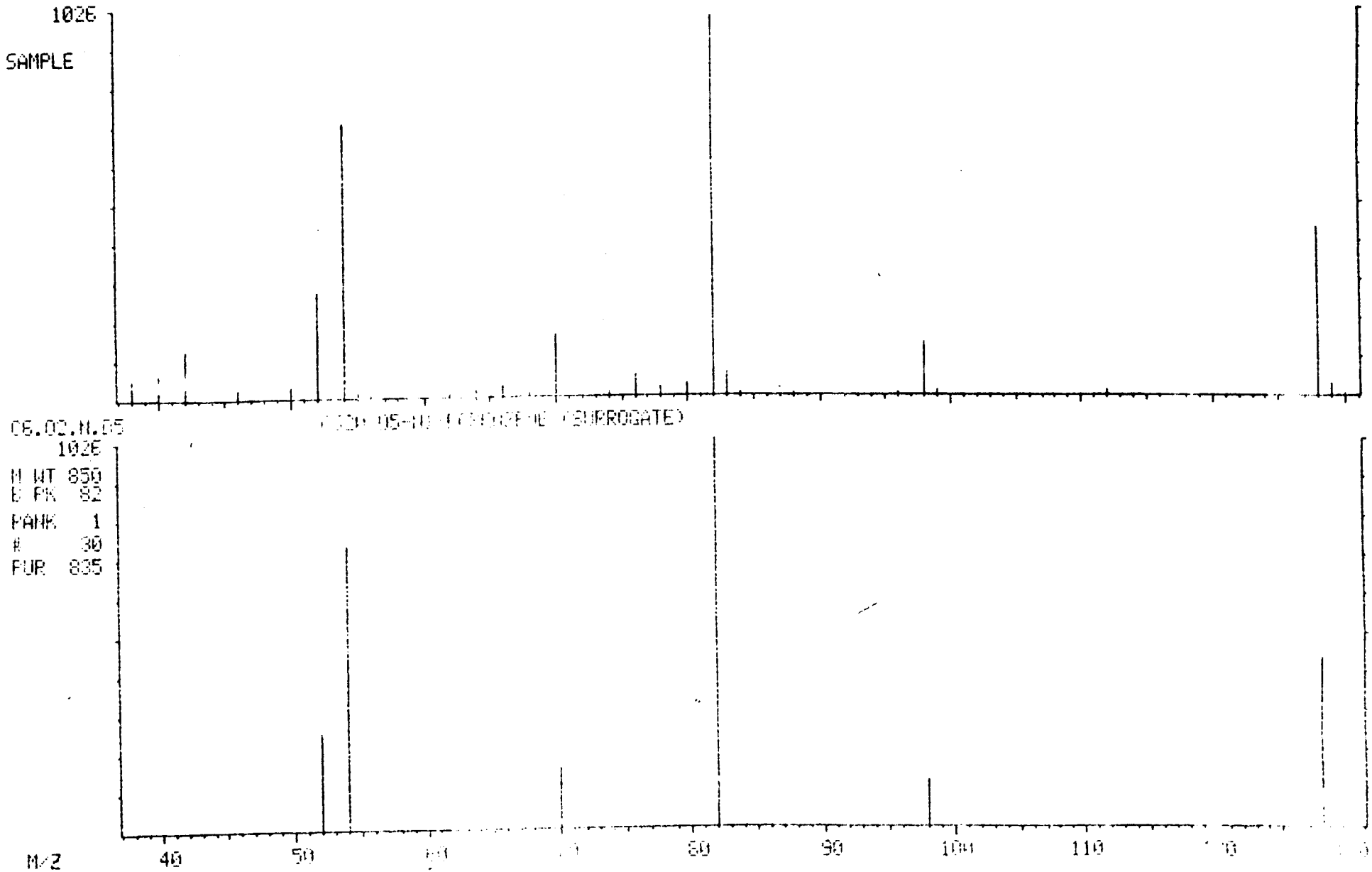
BASE M/Z: 82
RIC: 71808.



MID LIBRARY SEARCH (LIBRARY)
04/22/91 19:22:00 + 1 3:13
SAMPLE: 90909 GPC CLF HUL. 1.4ML.
CONDS.: 40 TO 270 @ 1 : 0BG MIN 30M DB5 CAP.
ENHANCED (S 158 2N OT)

DATA: APR22VG03 #1334
CALI: APR22VG03 # 3

BASE M/Z: 82
RIC: 70912.

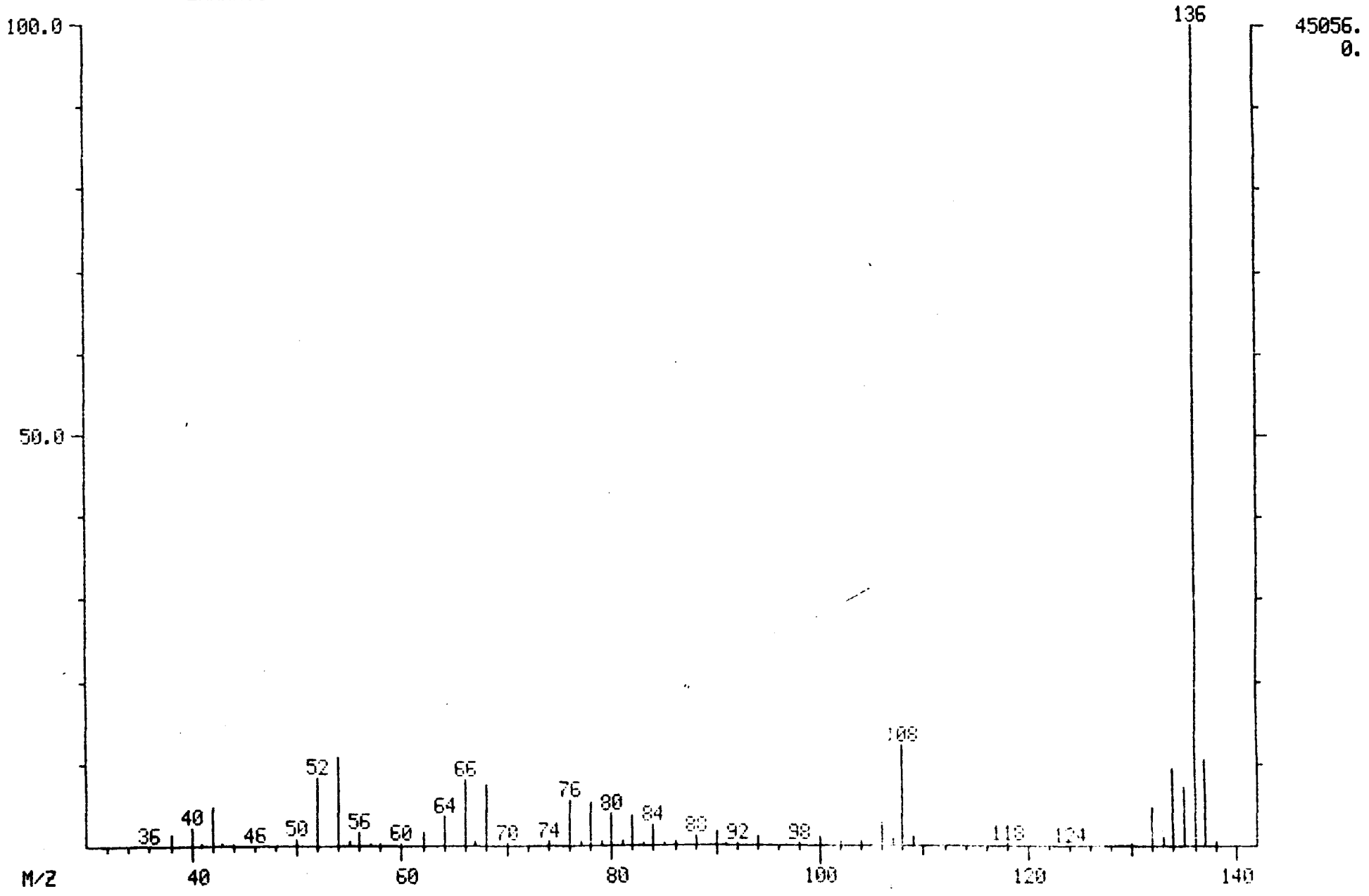


MASS SPECTRUM
04/22/91 19:22:00 + 15:00
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22V003 #1514
CALI: APR22V003 #3

BASE M/Z: 136
RIC: 106368.

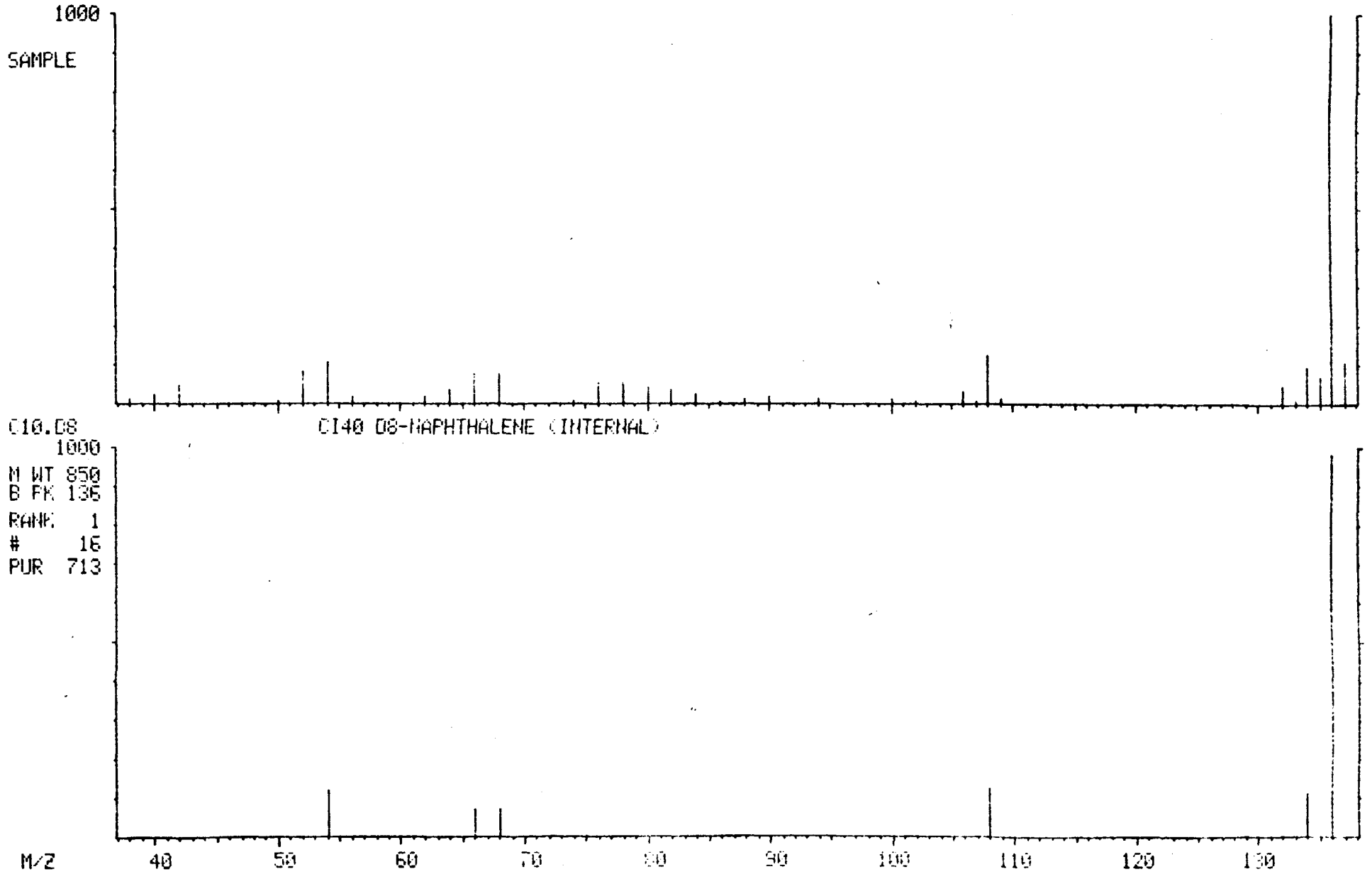
001957



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 15:00
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1514
CALI: APR22VG03 # 3

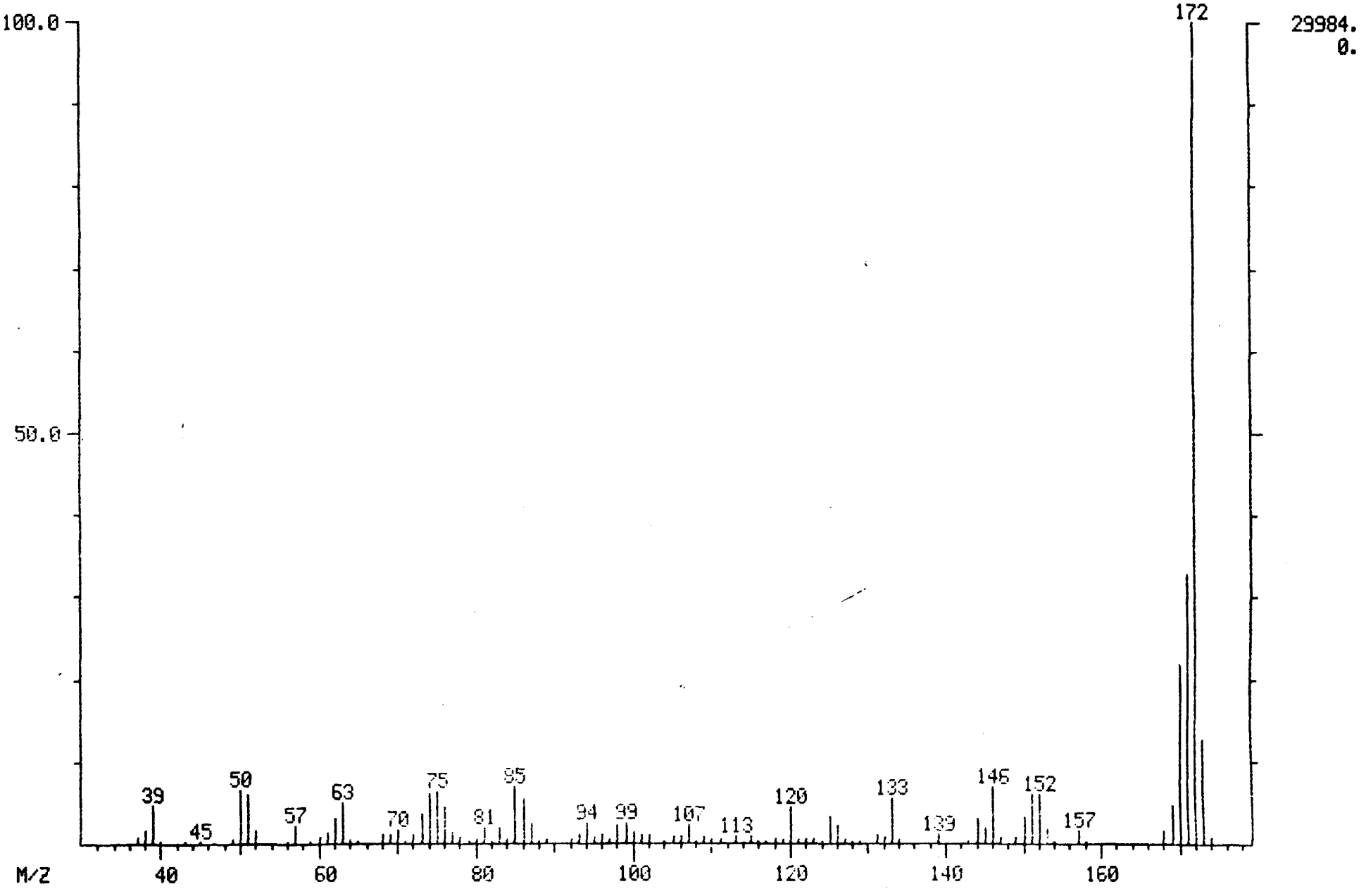
BASE M/Z: 136
RIC: 102656.



MASS SPECTRUM
04/22/91 19:22:00 + 17:49
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1798
CALI: APR22VG03 #3

BASE M/Z: 172
RIC: 102400.

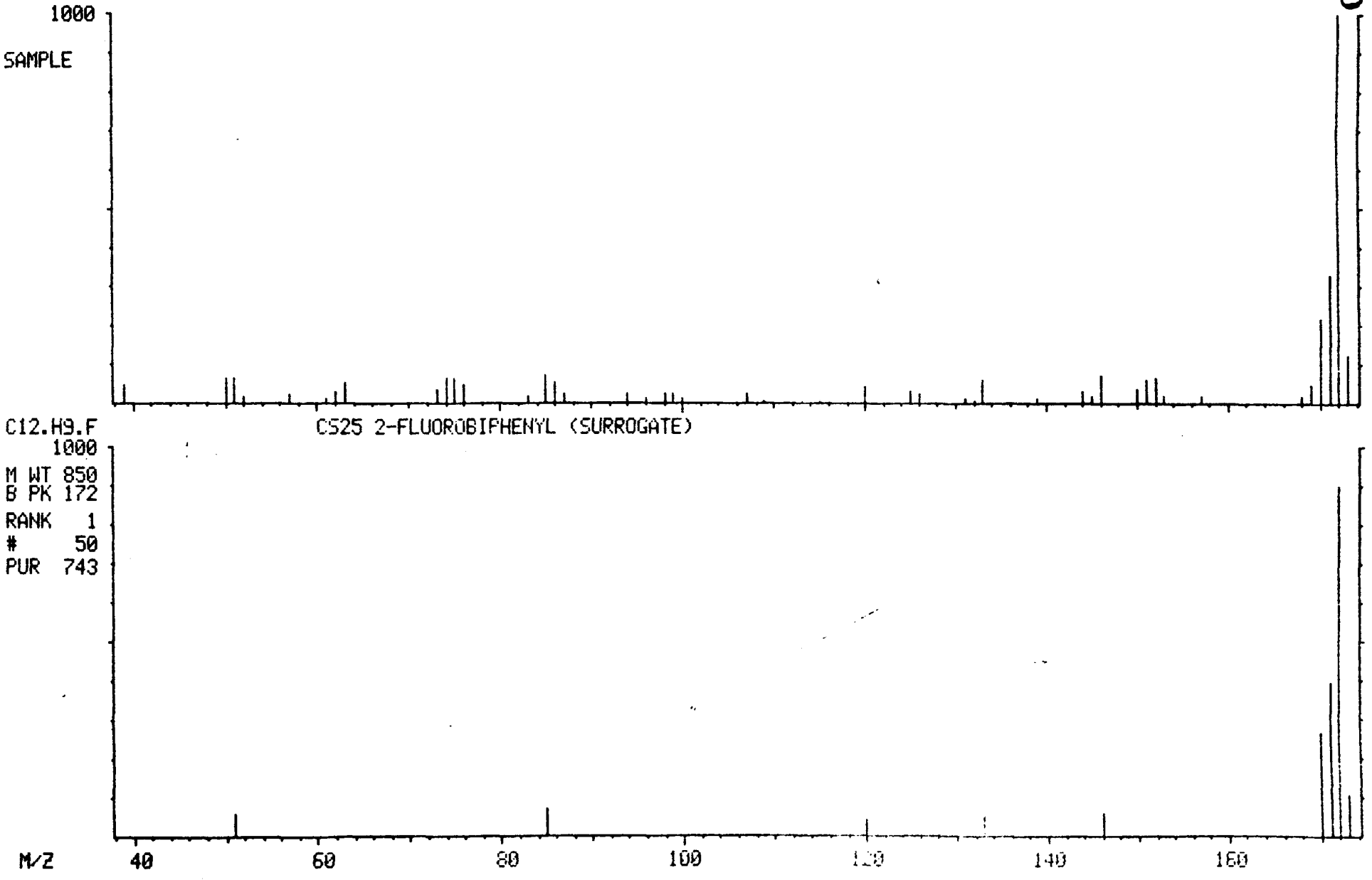


009939

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 17:49
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: [illegible] #1798
CALI: [illegible] # 3

BASE M/Z: 172
RIC: 91648.

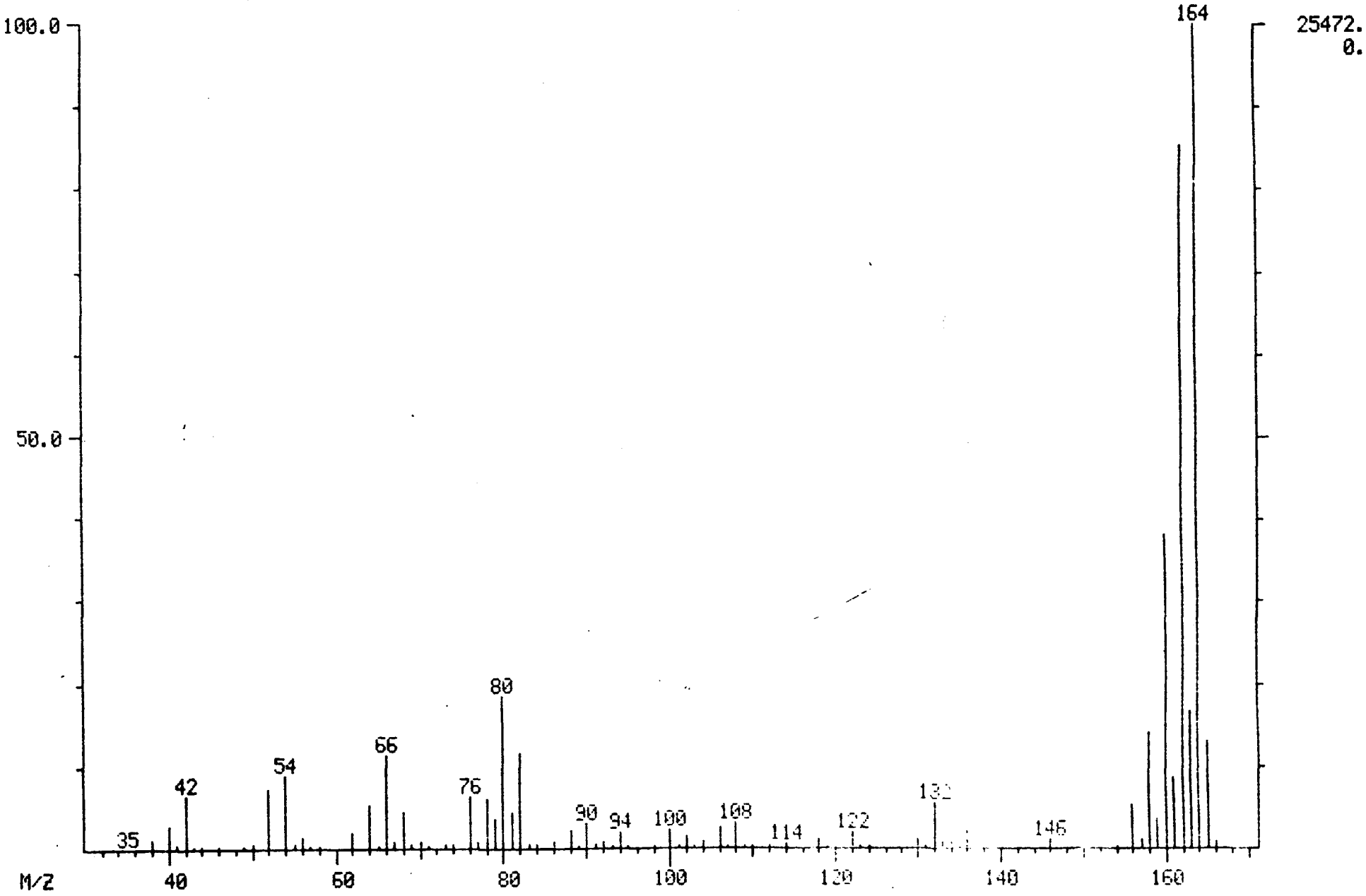


MASS SPECTRUM
04/22/91 19:22:00 + 19:35
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1376
CALI: APR22VG03 #3

BASE M/Z: 164
RIC: 112256.

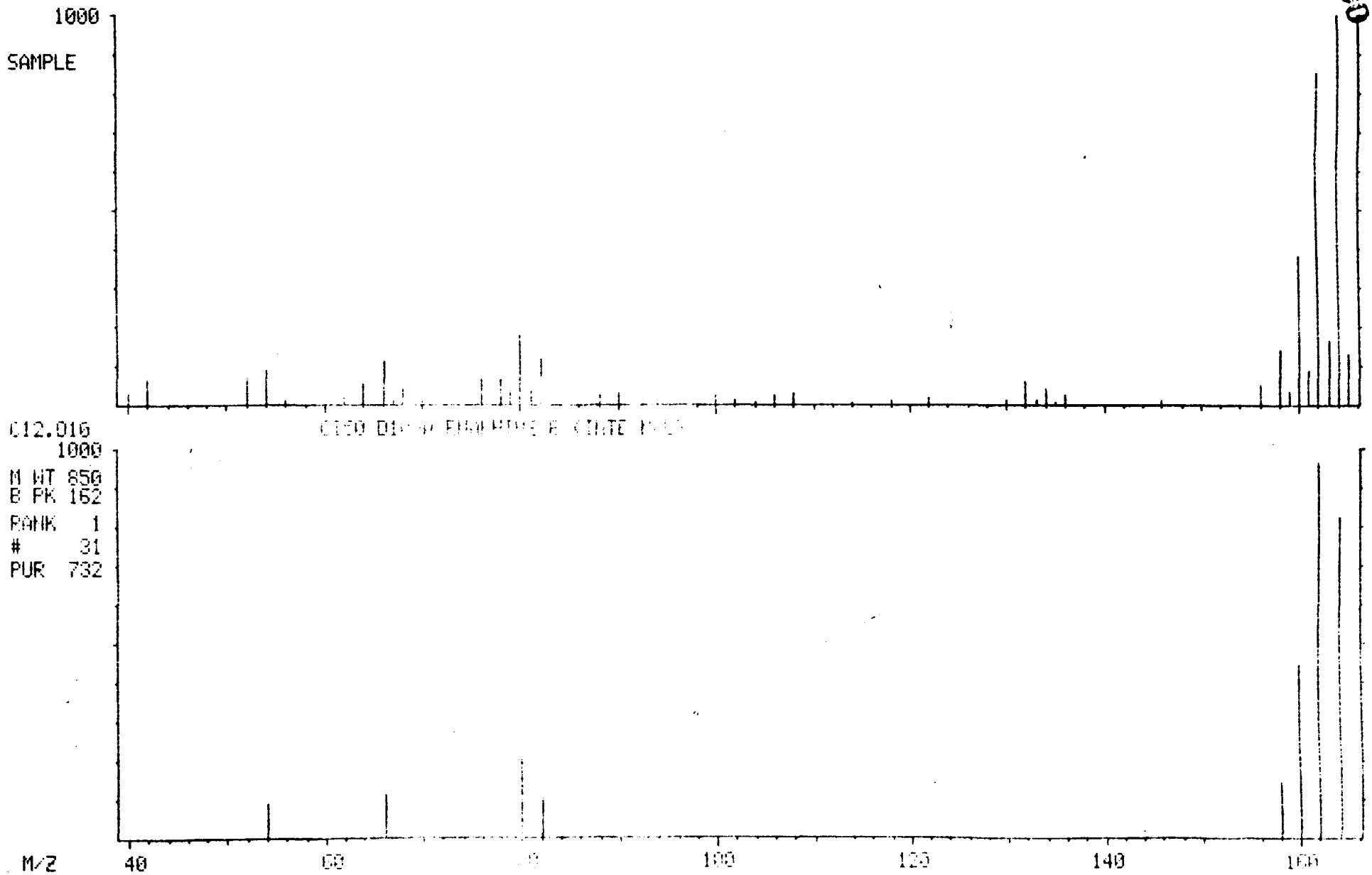
00190



MID LIBRARY SEARCH [illegible]
04/22/91 19:22:00 + 19:35
SAMPLE: 90903 GPC CLP 10[illegible]-1.0[illegible].
CONDS.: 40 TO 270 @ 10 DEG/MIN 3 M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1976
CALI: APR22VG03 # 3

BASE M/Z: 164
RIC: 107904.

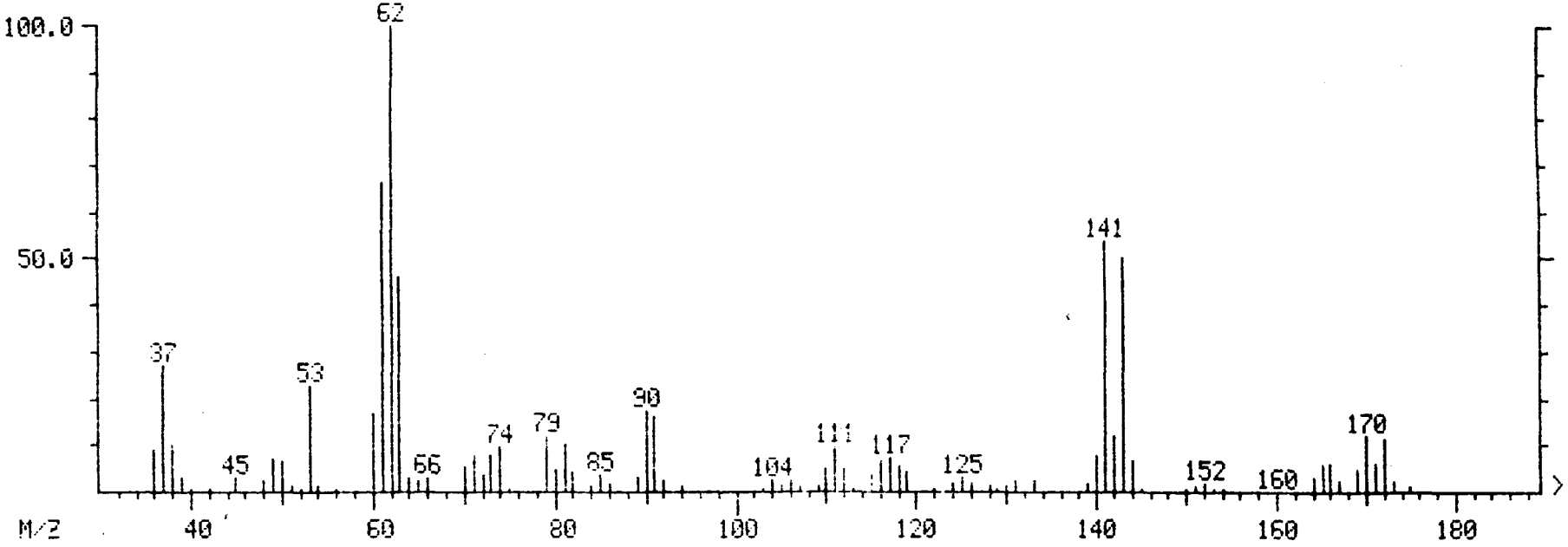


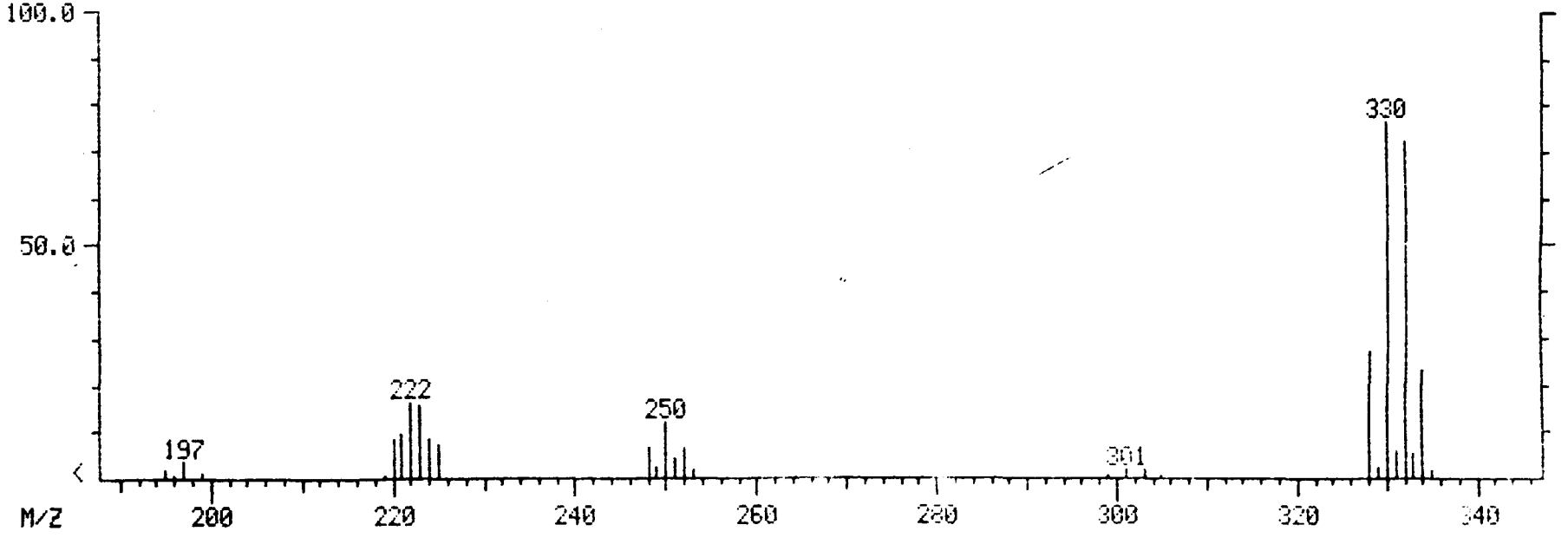
MASS SPECTRUM
04/22/91 19:22:00 + 21:39
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2184
CALI: APR22VG03 #3

BASE M/Z: 62
RIC: 69504.

001943



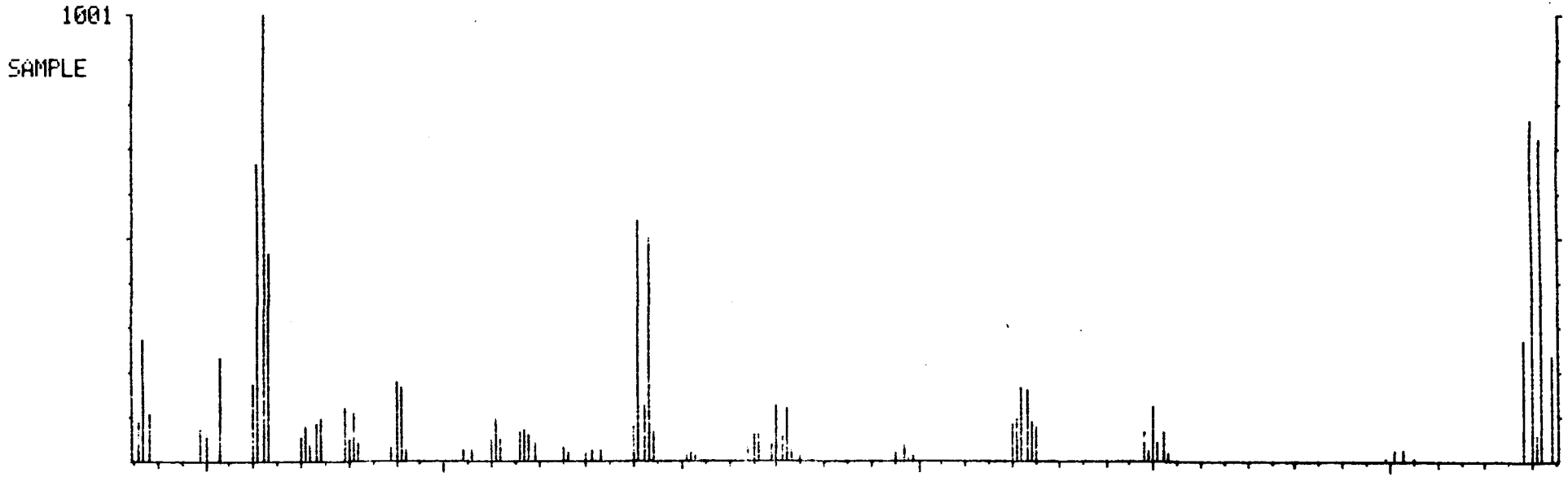


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 21:39
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

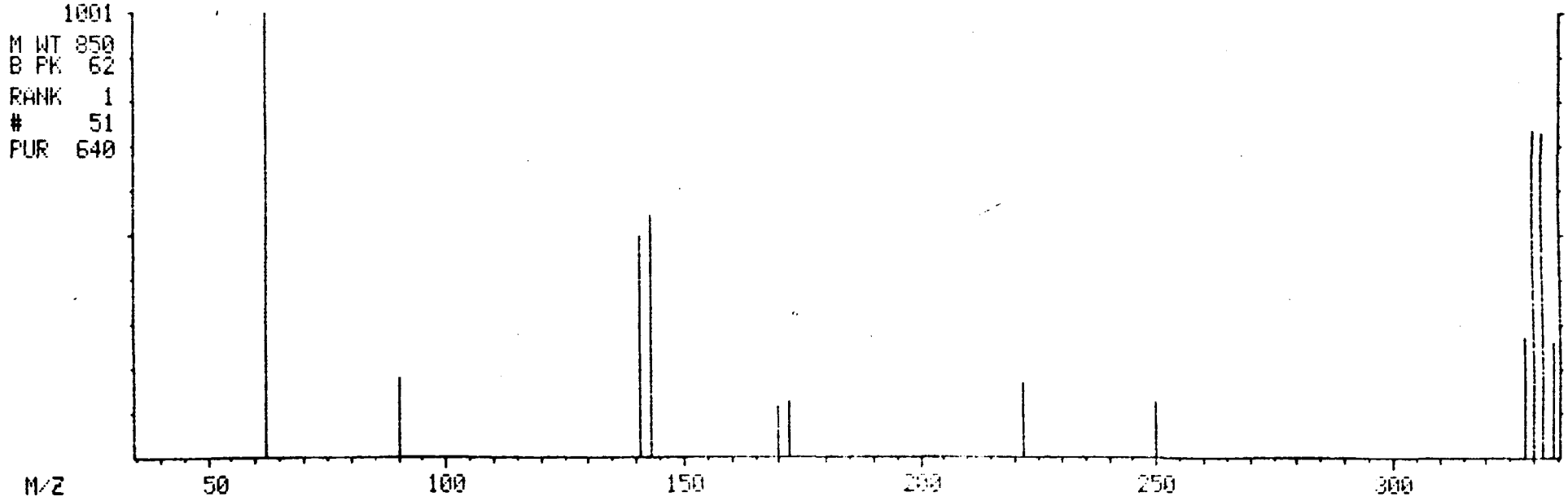
DATA: APR22VG03 #2184
CALI: APR22VG03 # 3

BASE M/Z: 62
RIC: 65536.

001974



C6.H3.O.BR3 CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)

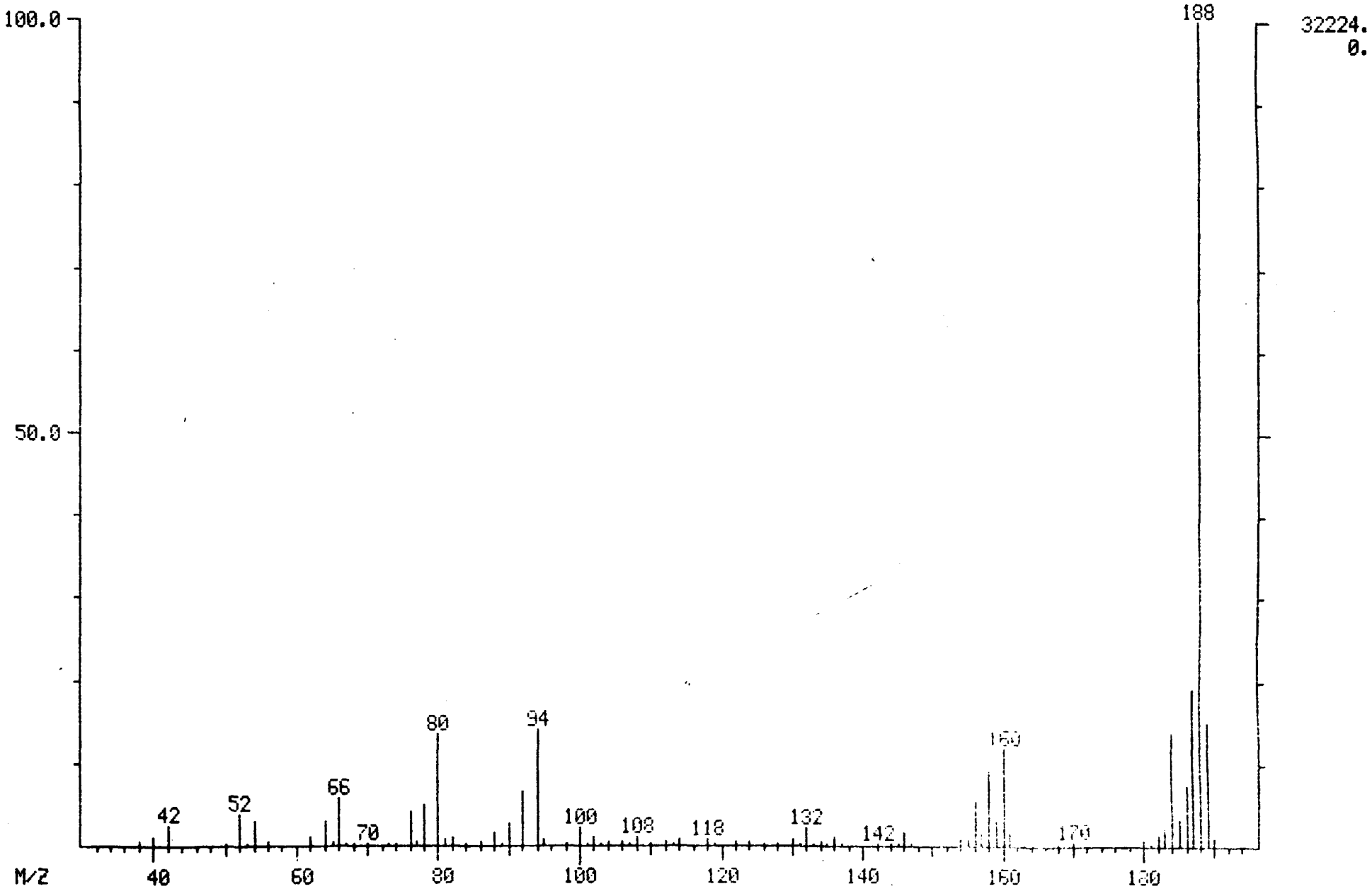


MASS SPECTRUM
04/22/91 19:22:00 + 23:25
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2[illegible]53
CALI: APR22VG03 #3

BASE M/Z: 188
RIC: 95256.

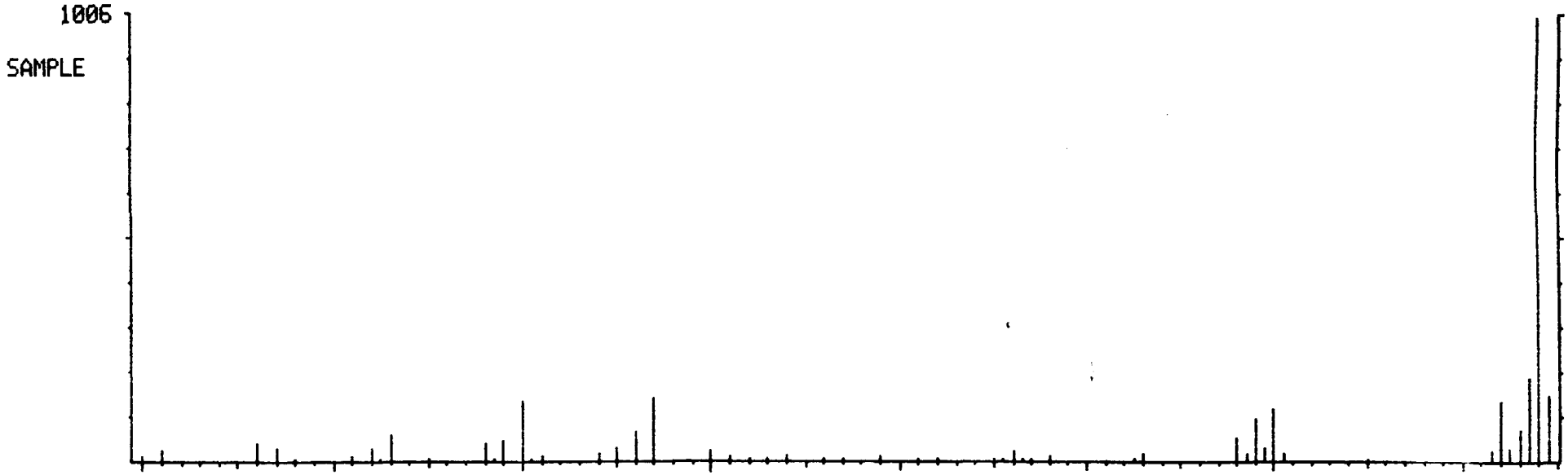
003945



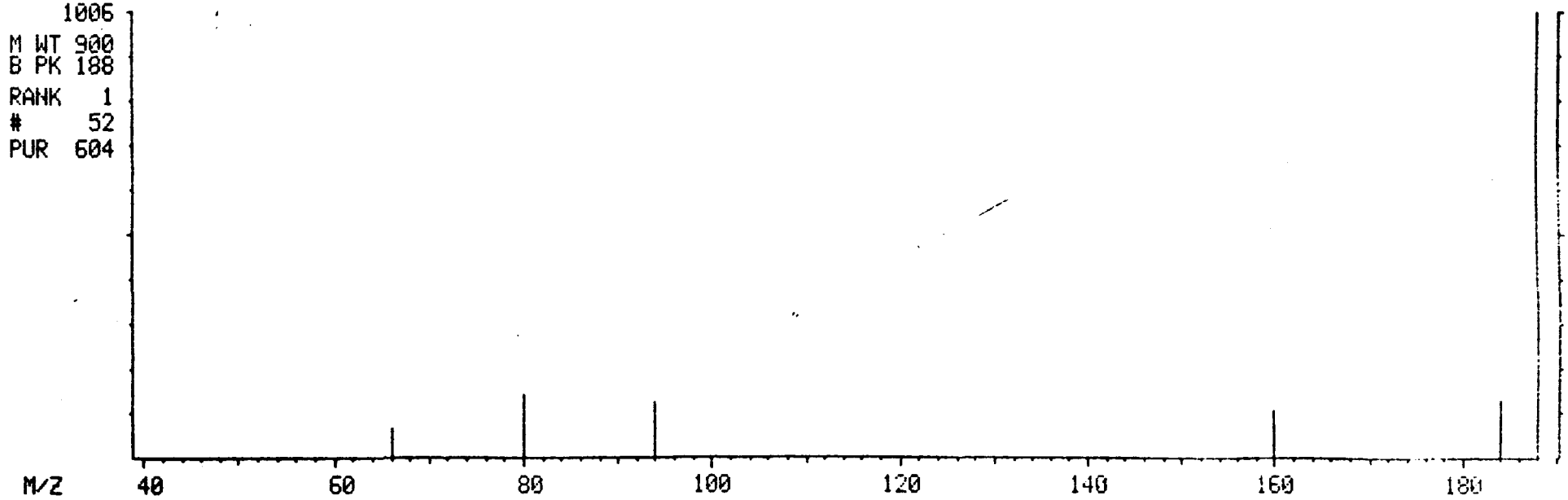
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 23:25
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2363
CALI: APR22VG03 # 3

BASE M/Z: 188
RIC: 91392.



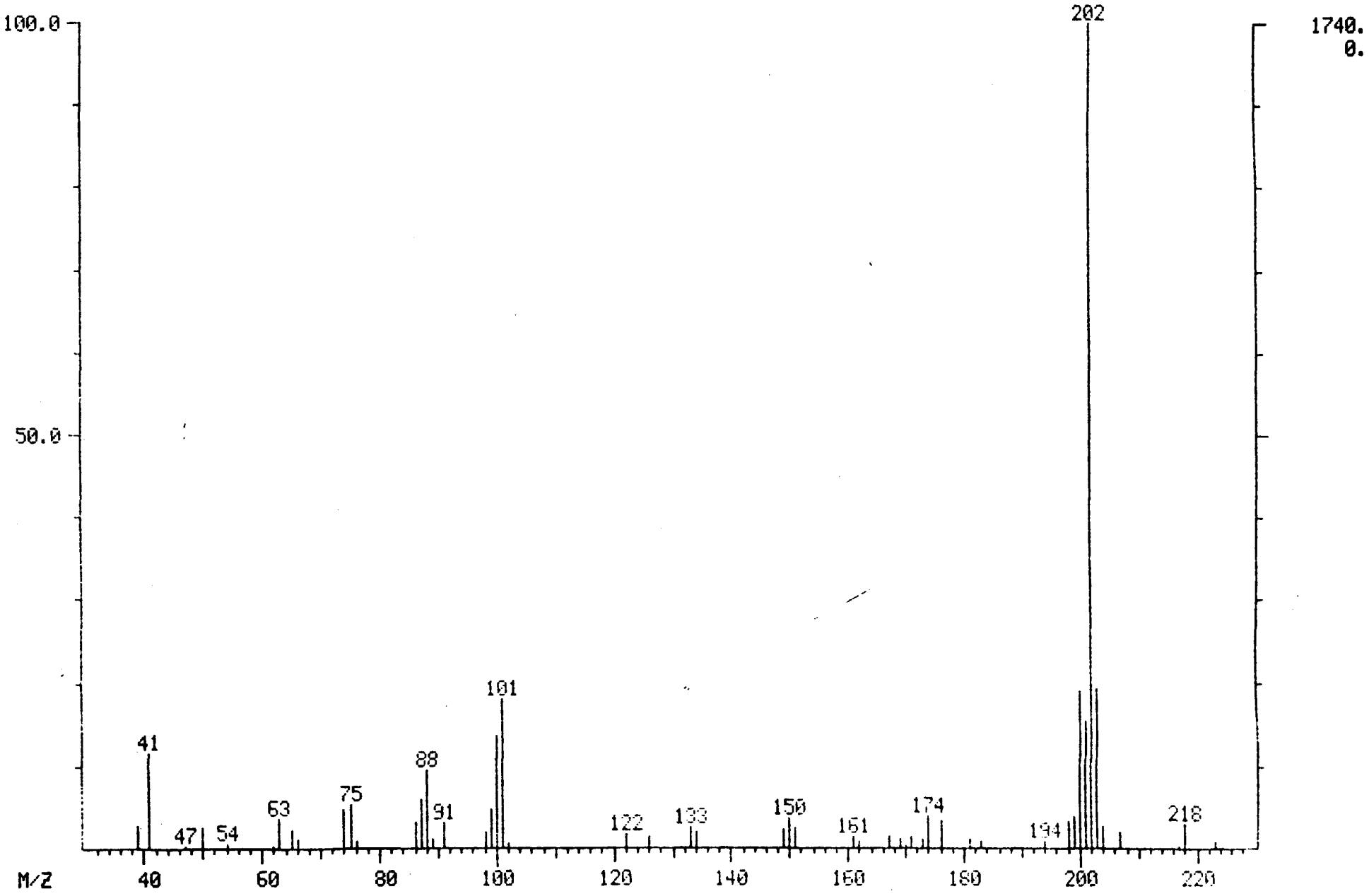
C14.D10 CI60 D10-PHENANTHRENE (INTERNAL)



MASS SPECTRUM
04/22/91 19:22:00 + 26:38
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 268 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2687
CALI: APR22VG03 #3

BASE M/Z: 202
RIC: 5248.

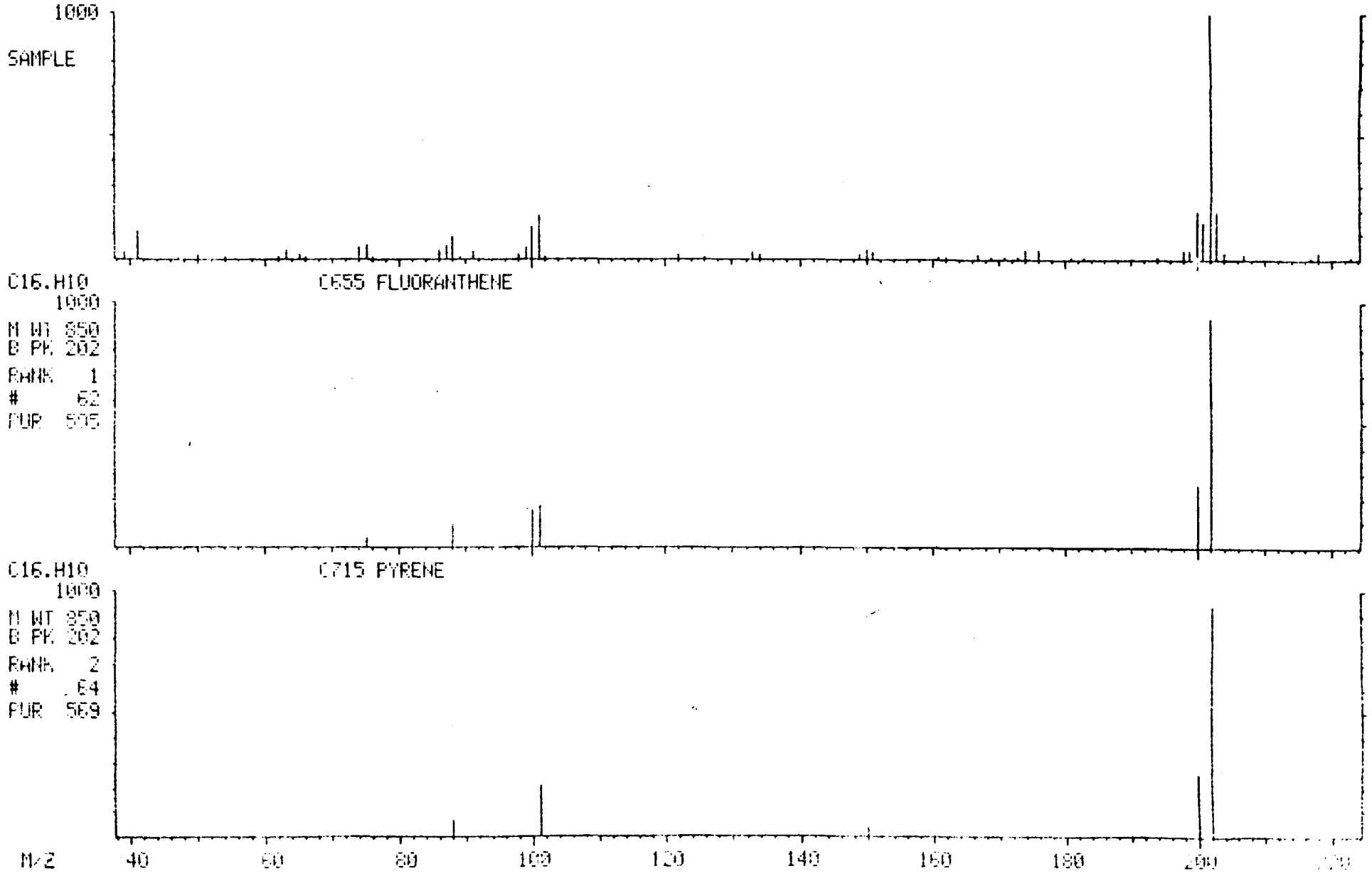


MIO LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 26:38
SAMPLE: 30909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2687
CALI: APR22VG03 # 3

BASE M/Z: 202
RIC: 5240.

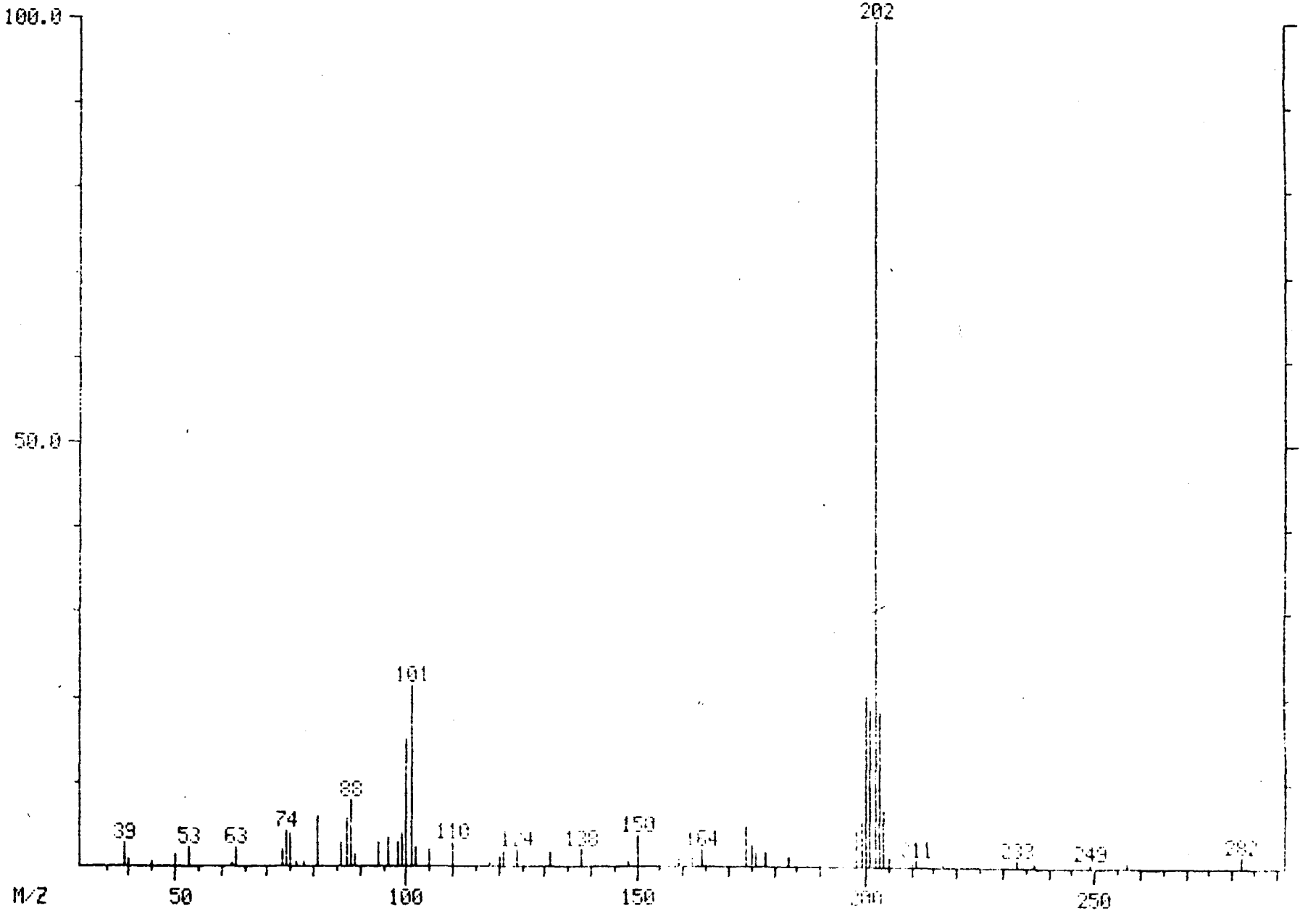
001948



MASS SPECTRUM
04/22/91 13:22:00 + 27:14
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CHP.
TEMP: 274 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2747
CALI: APR22VG03 #3

BASE M/Z: 202
RIC: 5584.



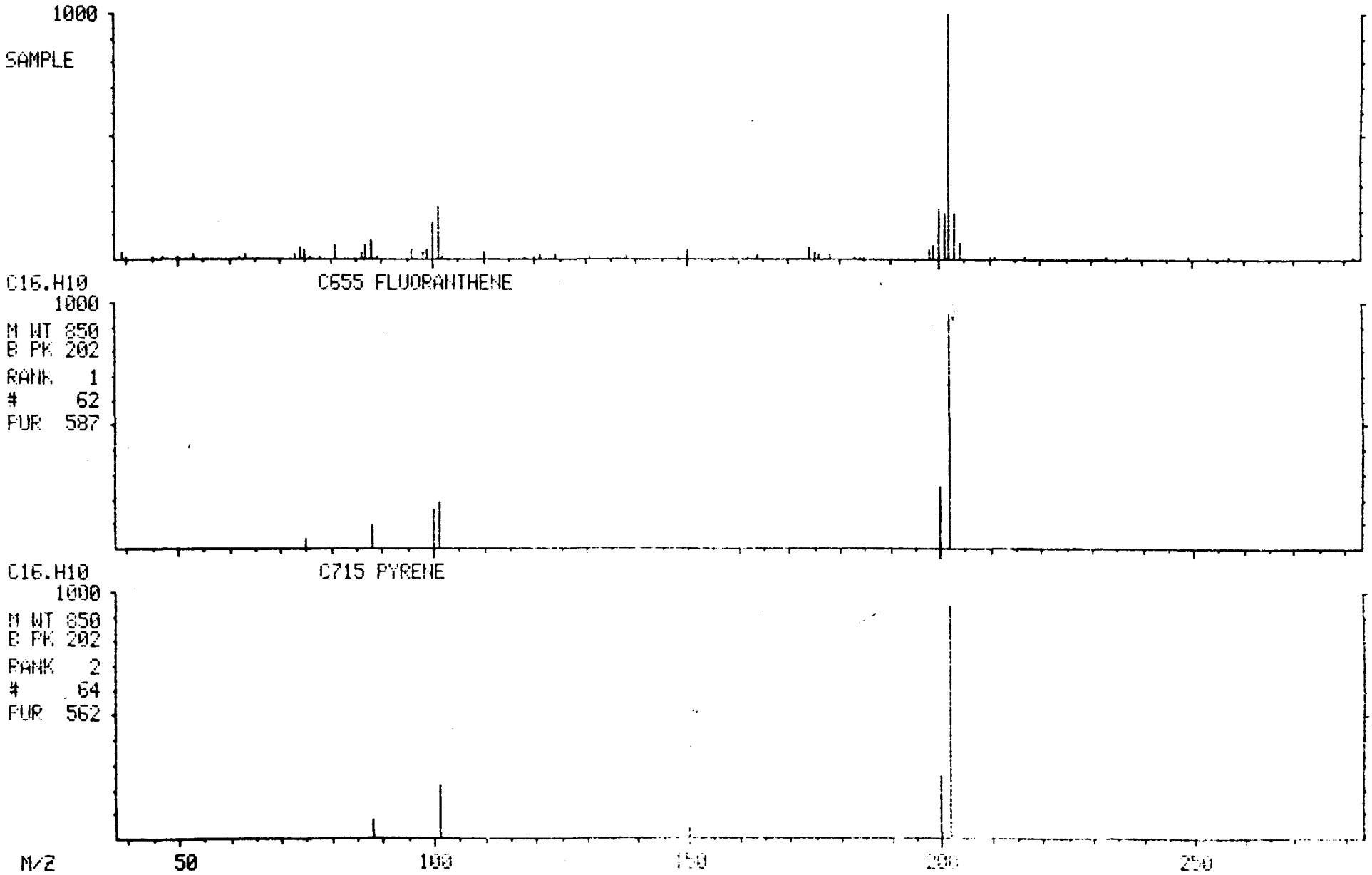
000949

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 27:14
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2747
CALI: APR22VG03 # 3

BASE M/Z: 202
RIC: 5472.

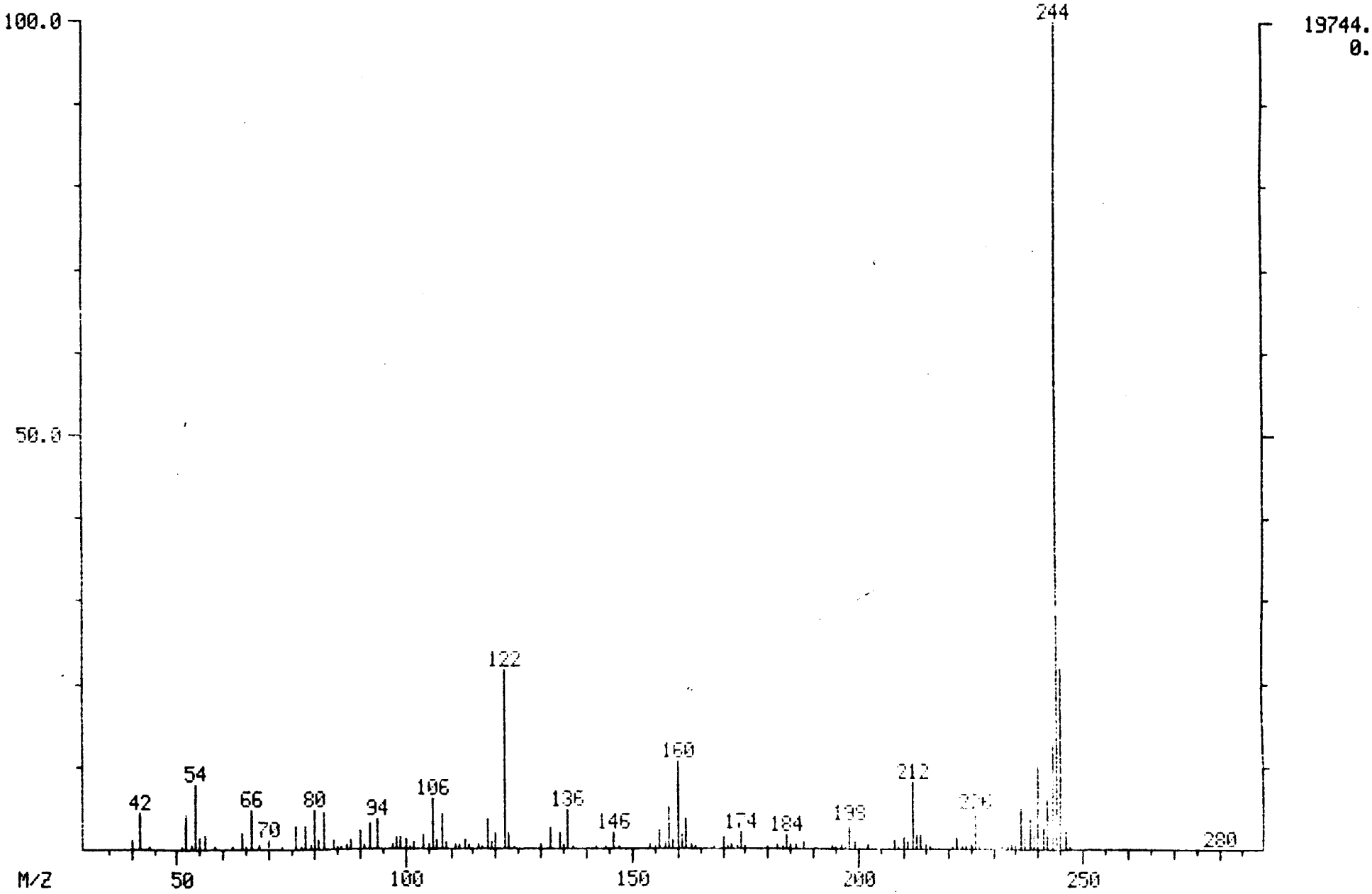
001950



MASS SPECTRUM
04/22/91 19:22:00 + 27:37
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2786
CALI: APR22VG03 #3

BASE M/Z: 244
RIC: 71680.

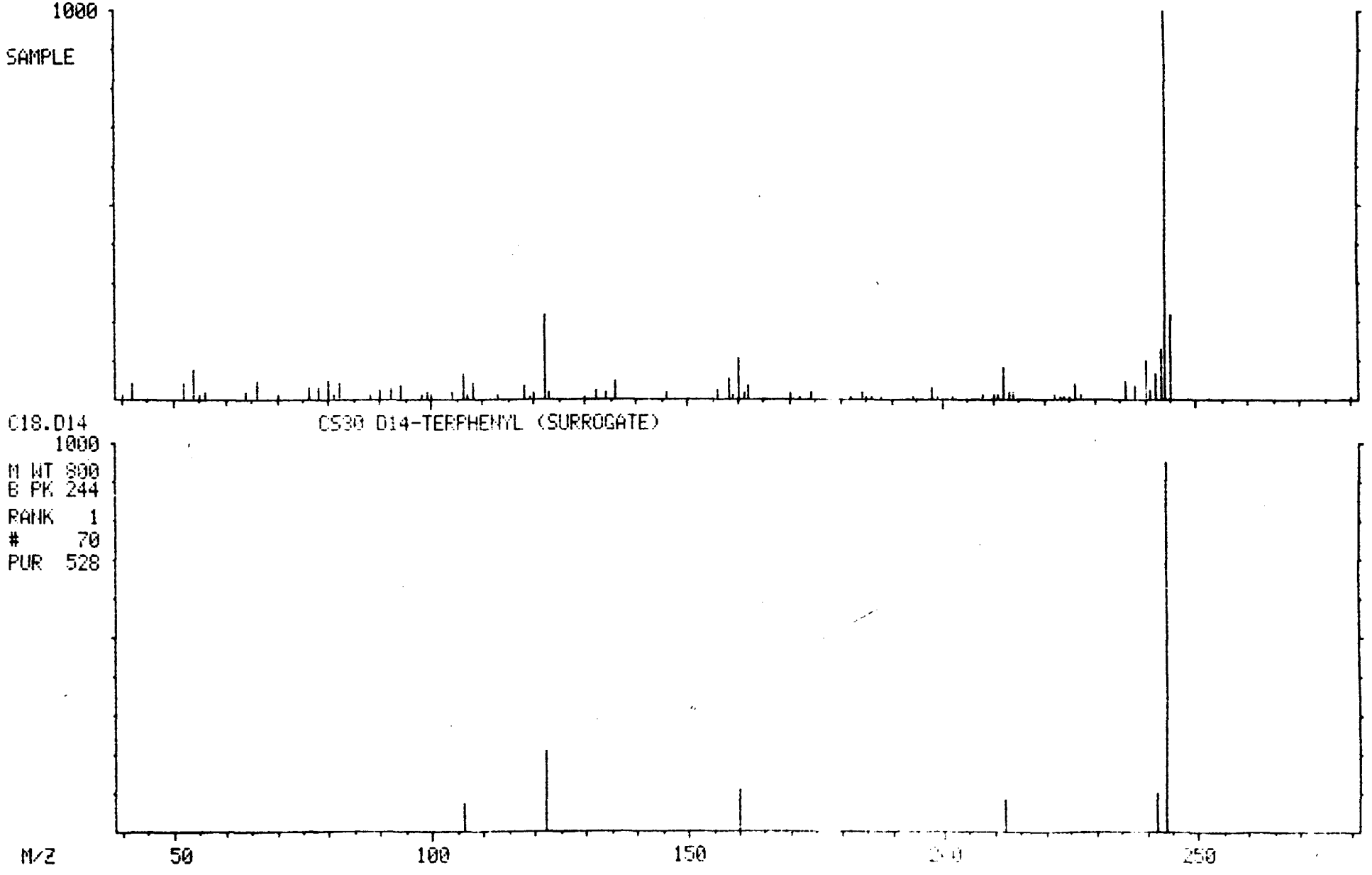


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 19:22:00 + 27:37
SAMPLE: 30909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2786
CALI: APR22VG03 # 3

BASE M/Z: 244
RIC: 66304.

001951

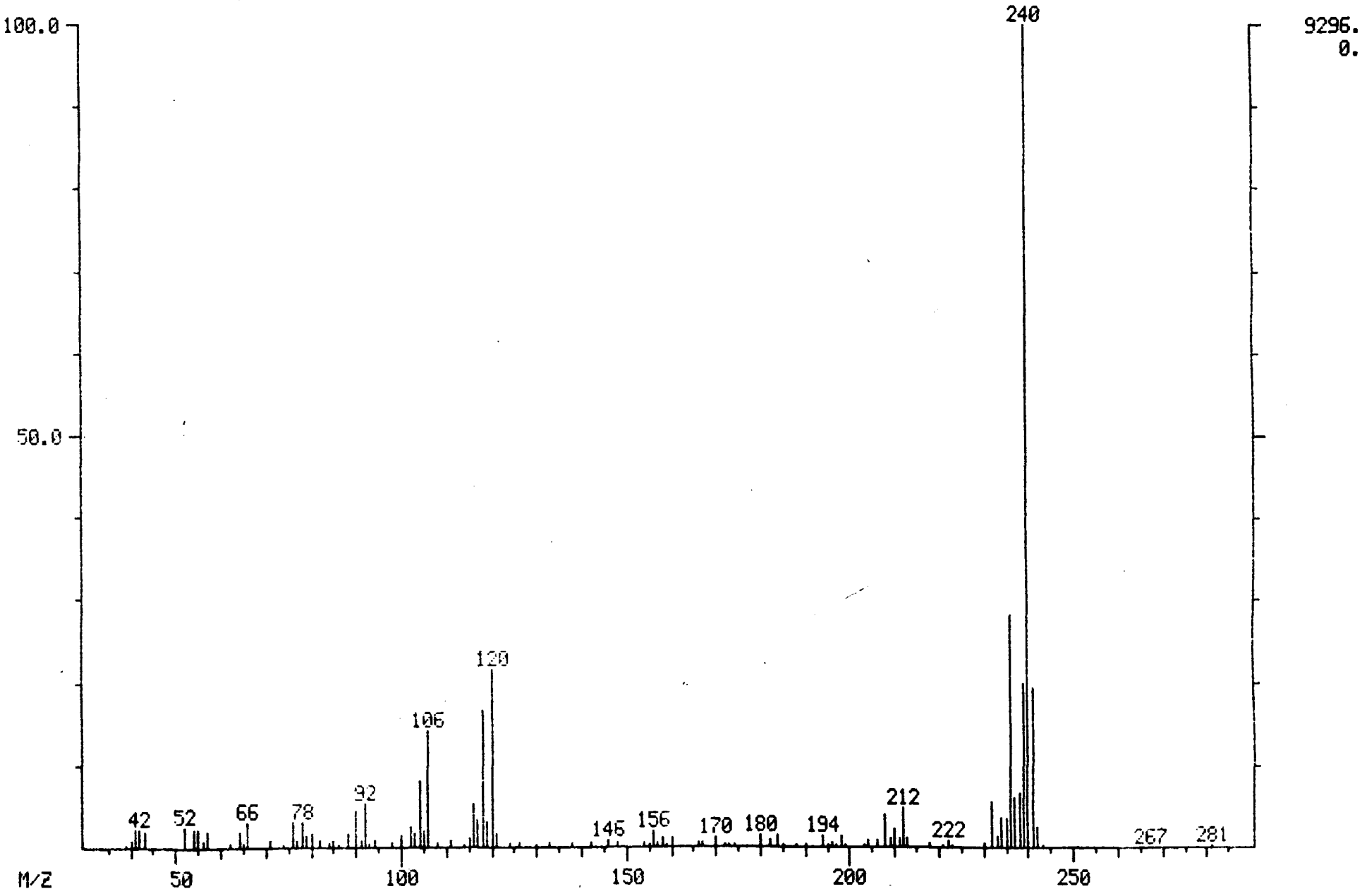


001952

MASS SPECTRUM
04/22/91 19:22:00 + 31:13
SAMPLE: 30909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #3150
CALI: APR22VG03 #3

BASE M/Z: 240
RIC: 34816.

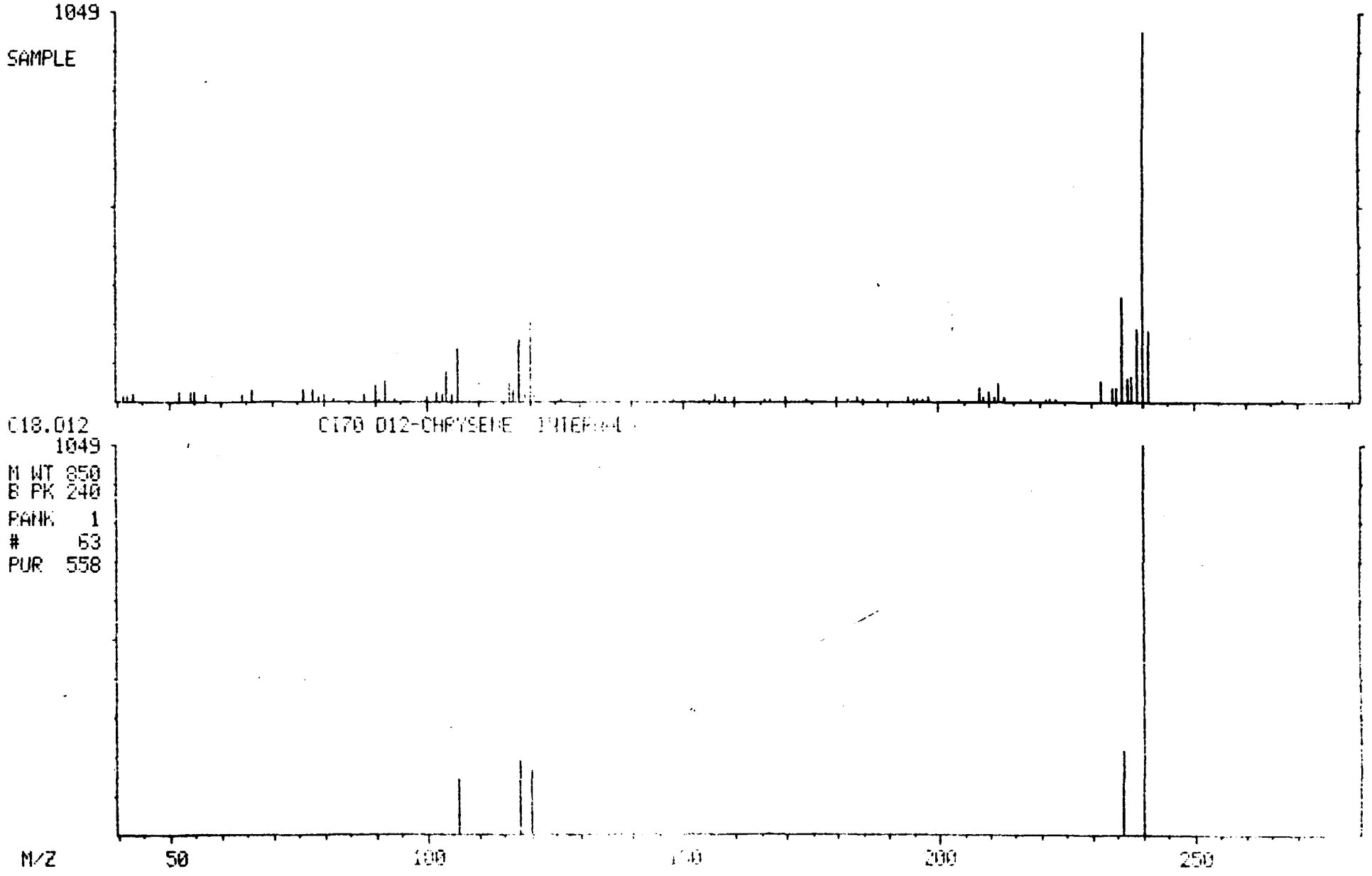


MID LIBRARY SEARCH (LIBRARY 4
04/22/91 19:22:00 + 31:1
SAMPLE: 90903 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M 0.25 GAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #3150
CALI: APR22VG03 # 3

BASE M/Z: 240
RIC: 33088.

001953

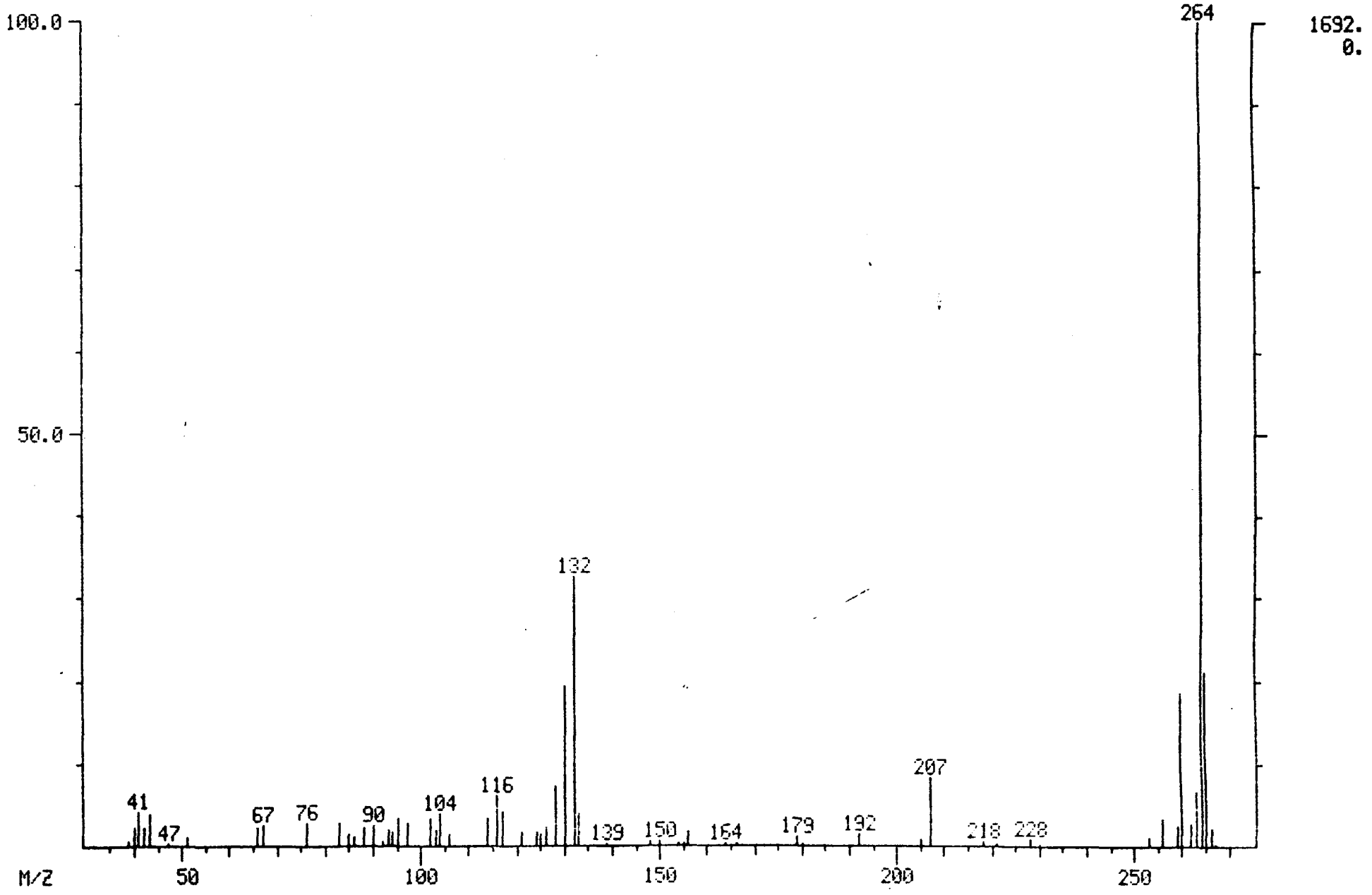


MASS SPECTRUM
04/22/91 19:22:00 + 40:26
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #4080
CALI: APR22VG03 #3

BASE M/Z: 264
RIC: 5320.

001954

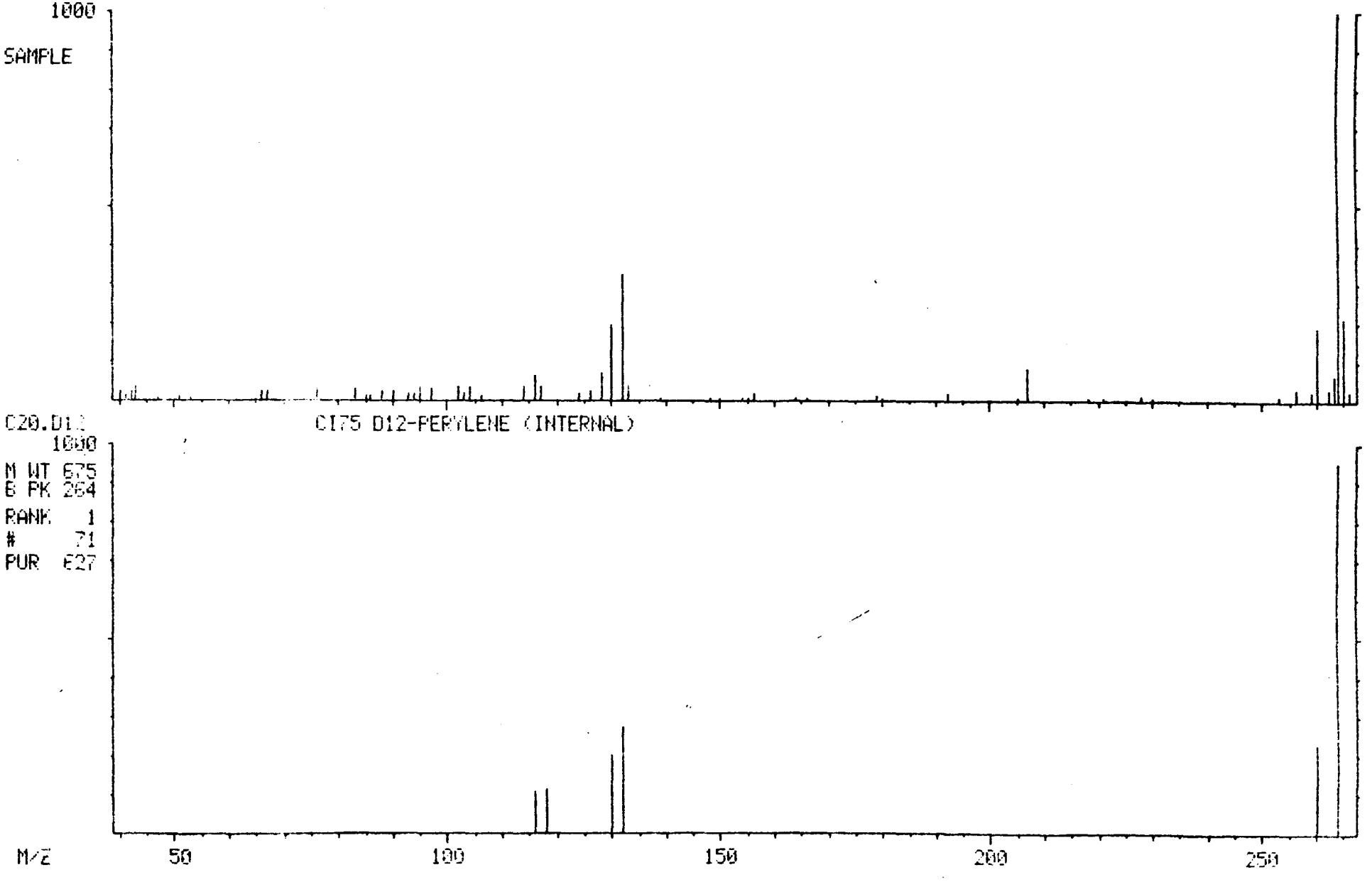


001955

NIST LIBRARY SEARCH (LIBRARY5W)
04/22/91 12:22:00 + 40:26
SAMPLE: 90 [illegible] GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #4080
CALI: APR22VG03 # 3

BASE M/Z: 264
RIC: 5240.



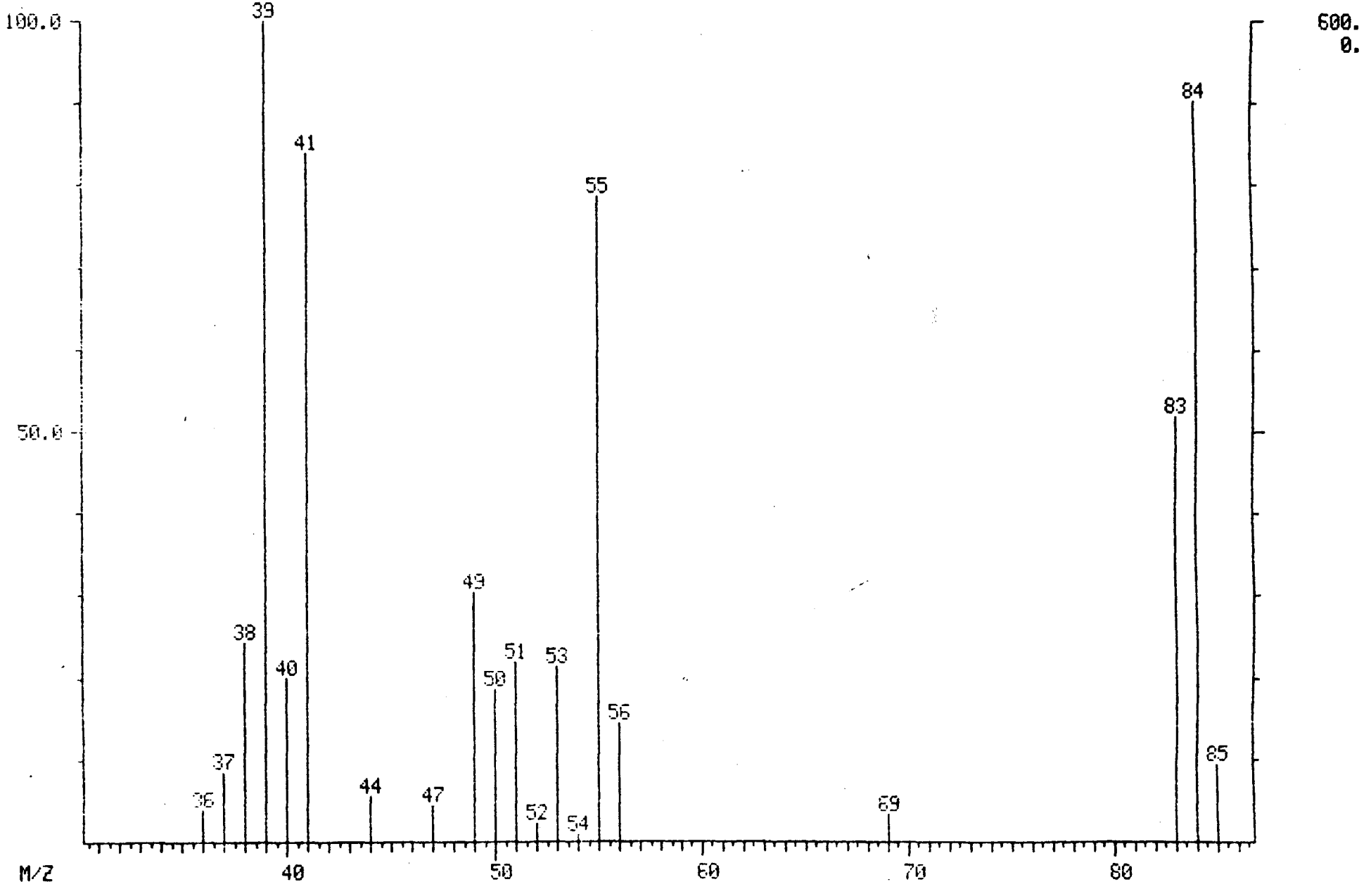
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 19:22:00 + 6:27
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 64 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #651
CALI: APR22VG03 #3

BASE M/Z: 39
RIC: 3572.

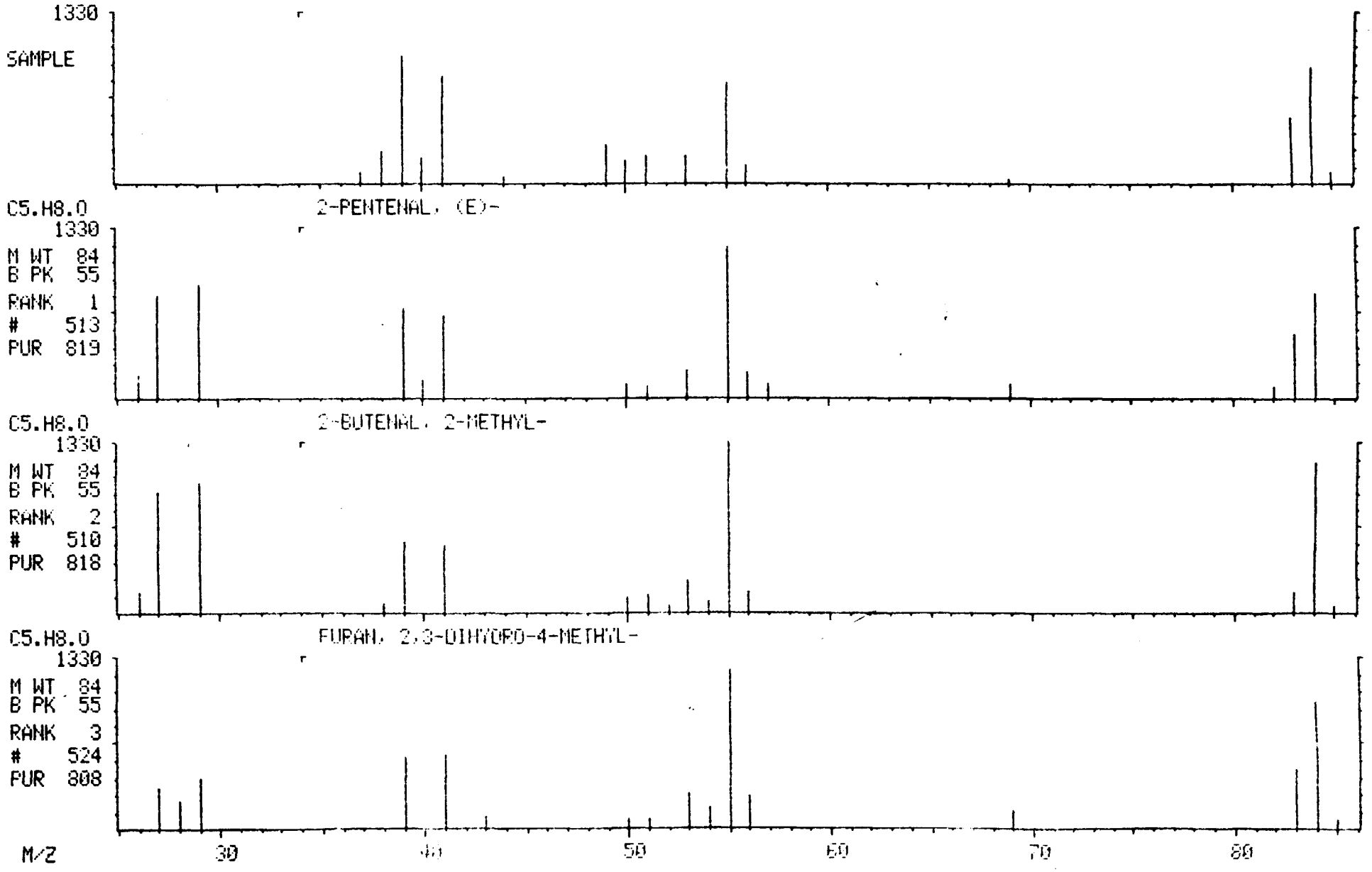
001957



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 6:27
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 # 651
CALI: APR22VG03 # 3

BASE M/Z: 39
RIC: 3500.

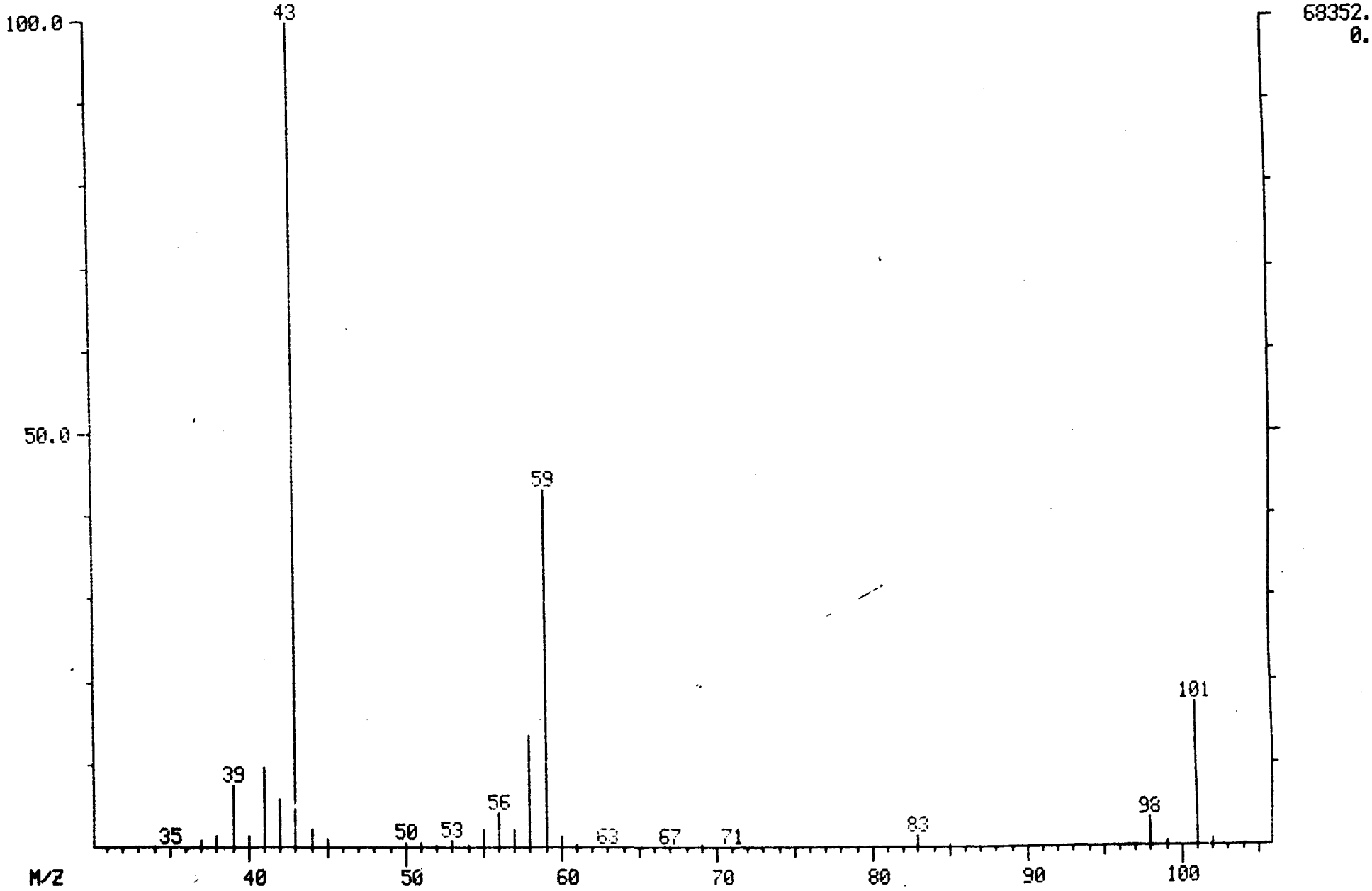


856400

MASS SPECTRUM
04/22/91 19:22:00 + 7:58
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 80 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #804
CALI: APR22VG03 #3

BASE M/Z: 43
RIC: 152320.

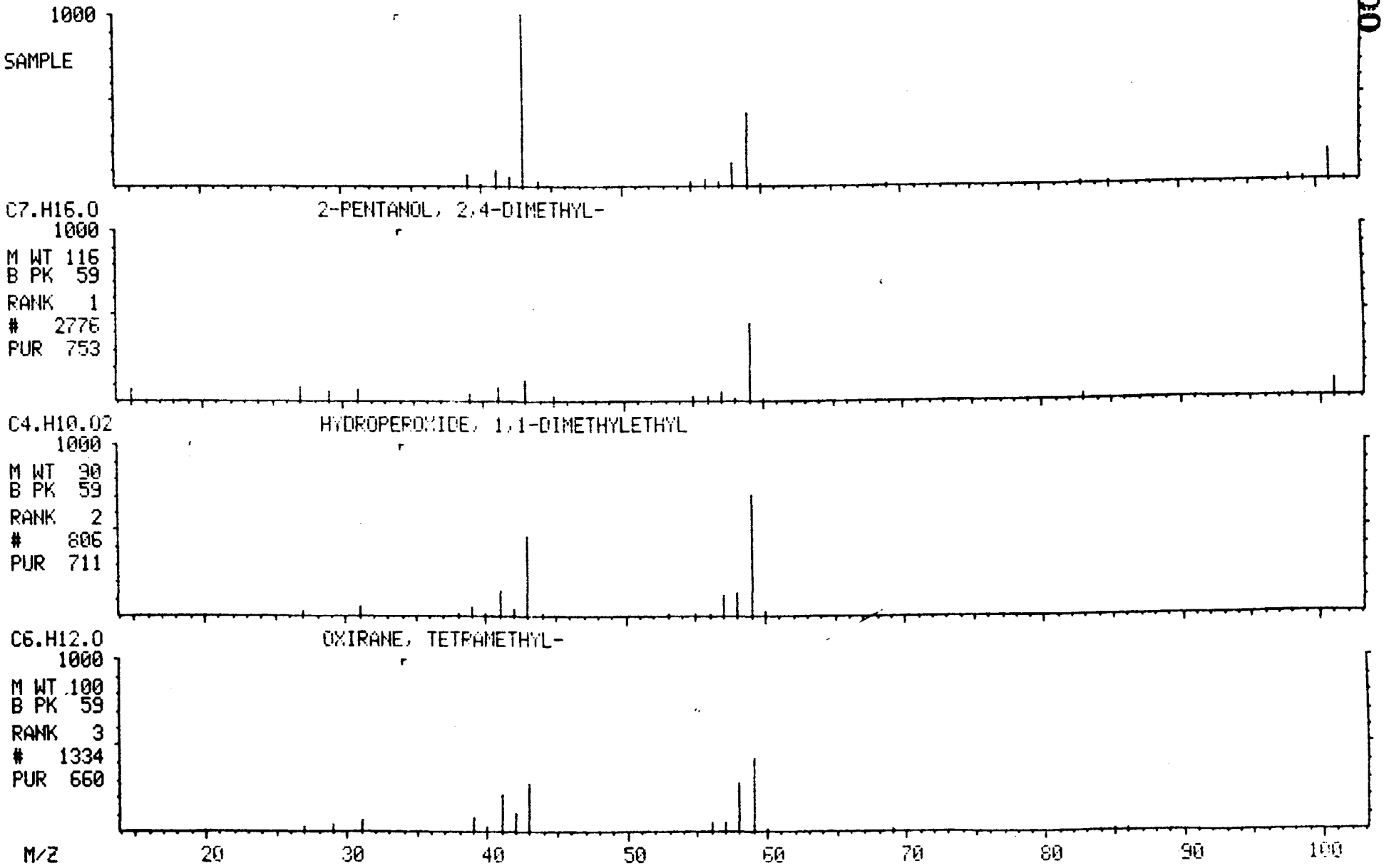


003400

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 7:59
SAMPLE: 90909 GPC CLP 10L.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 # 804
CALI: APR22VG03 # 3

BASE M/Z: 43
RIC: 147968.

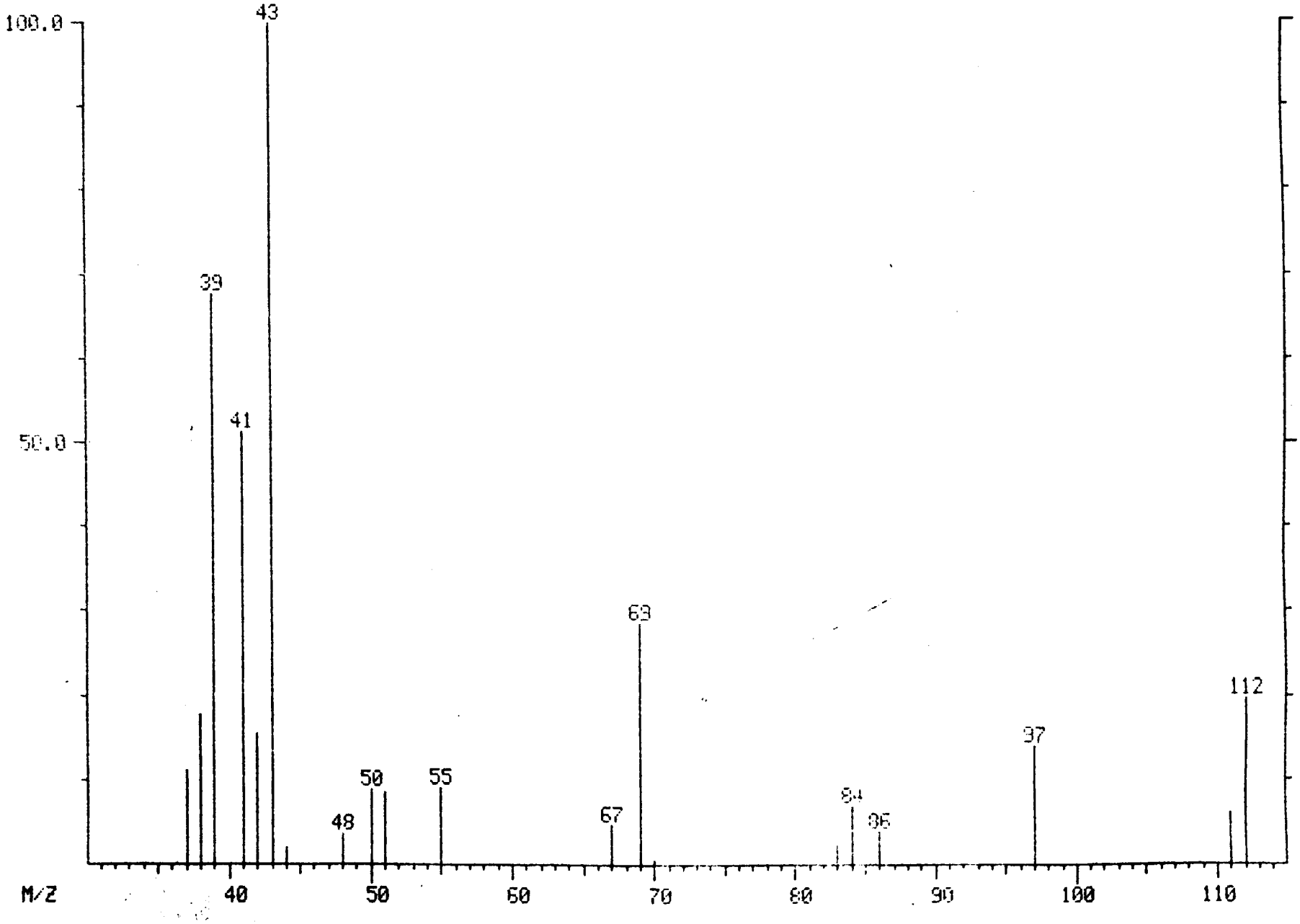


MASS SPECTRUM
04/22/91 19:22:00 + 10:05
SAMPLE: 90309 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 101 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22UG03 #1018
CALI: APR22UG03 #3

BASE M/Z: 43
RIC: 3232.

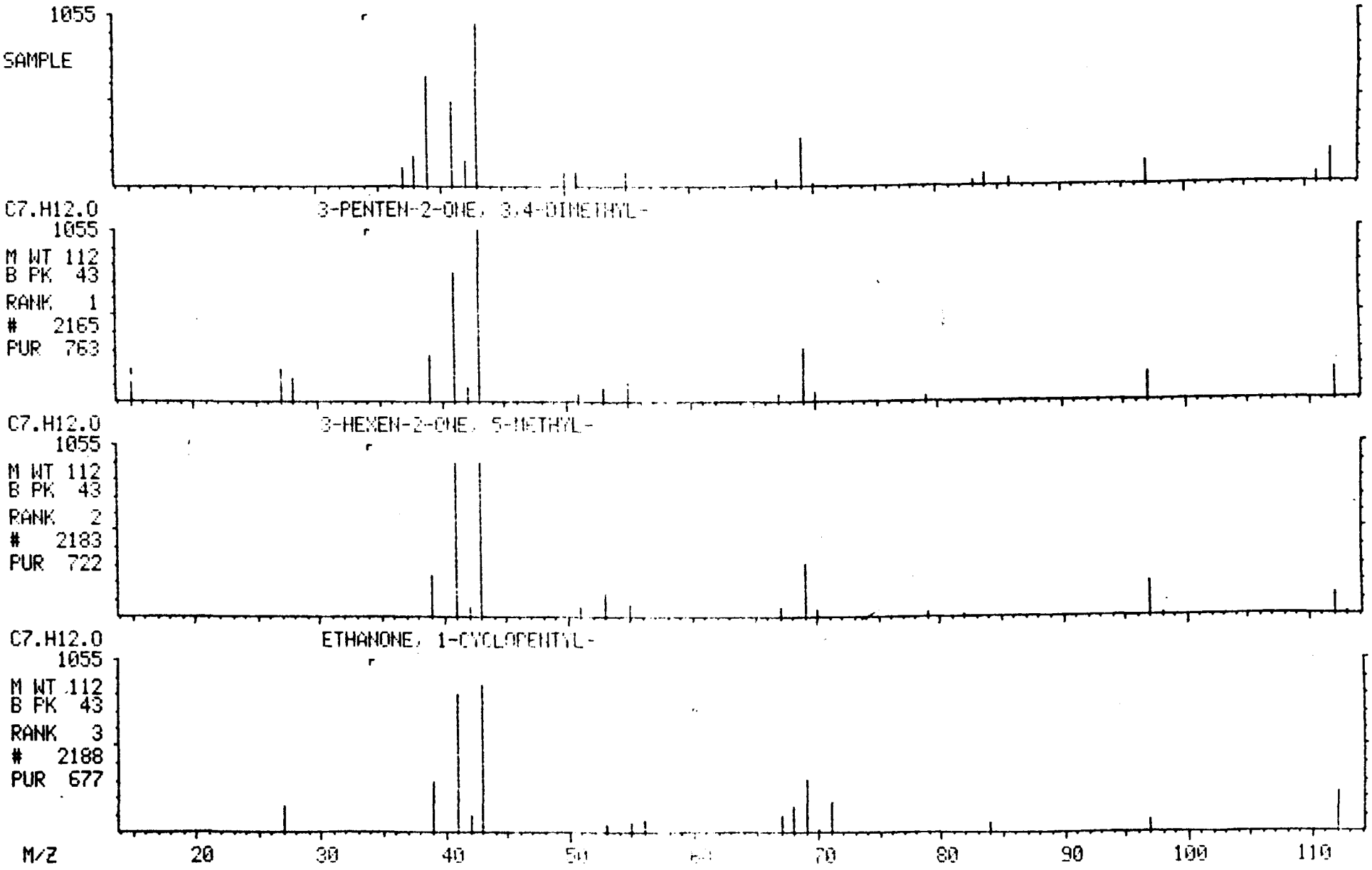
001961



MID LIBRARY SEARCH (LIBRARY
04/22/91 19:22:00 + 10:05
SAMPLE: 90909 GPC CLP 1UL. 1.
CONDS.: 40 TO 270 @ 10 DEG
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1018
CALI: APR22VG03 # 3

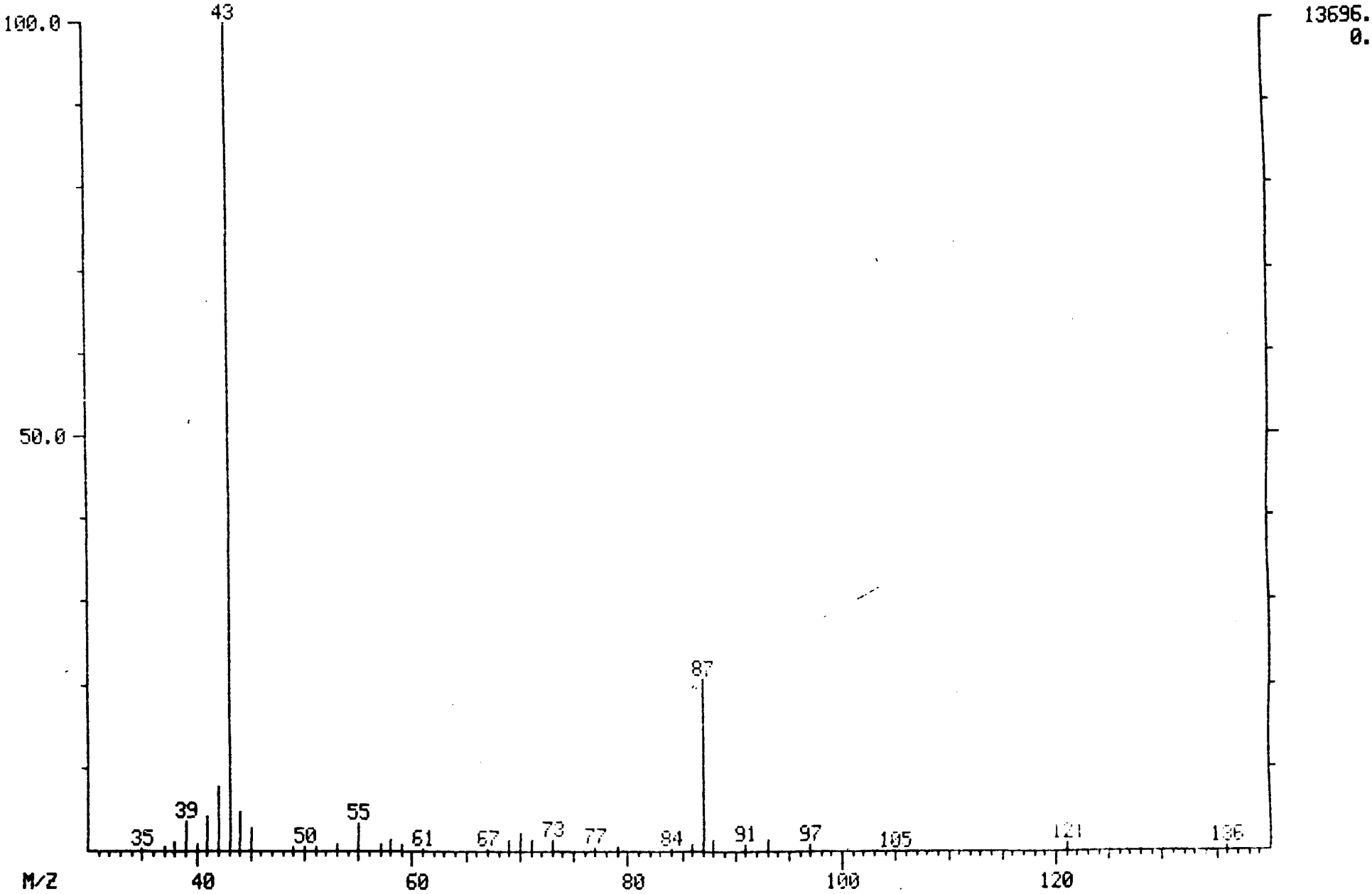
BASE M/Z: 43
RIC: 3184.



MASS SPECTRUM
04/22/91 19:22:00 + 11:36
SAMPLE: 90903 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 116 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22UG03 #1[illegible]
CALI: APR22UG03 #3

BASE M/Z: 43
RIC: 23456.



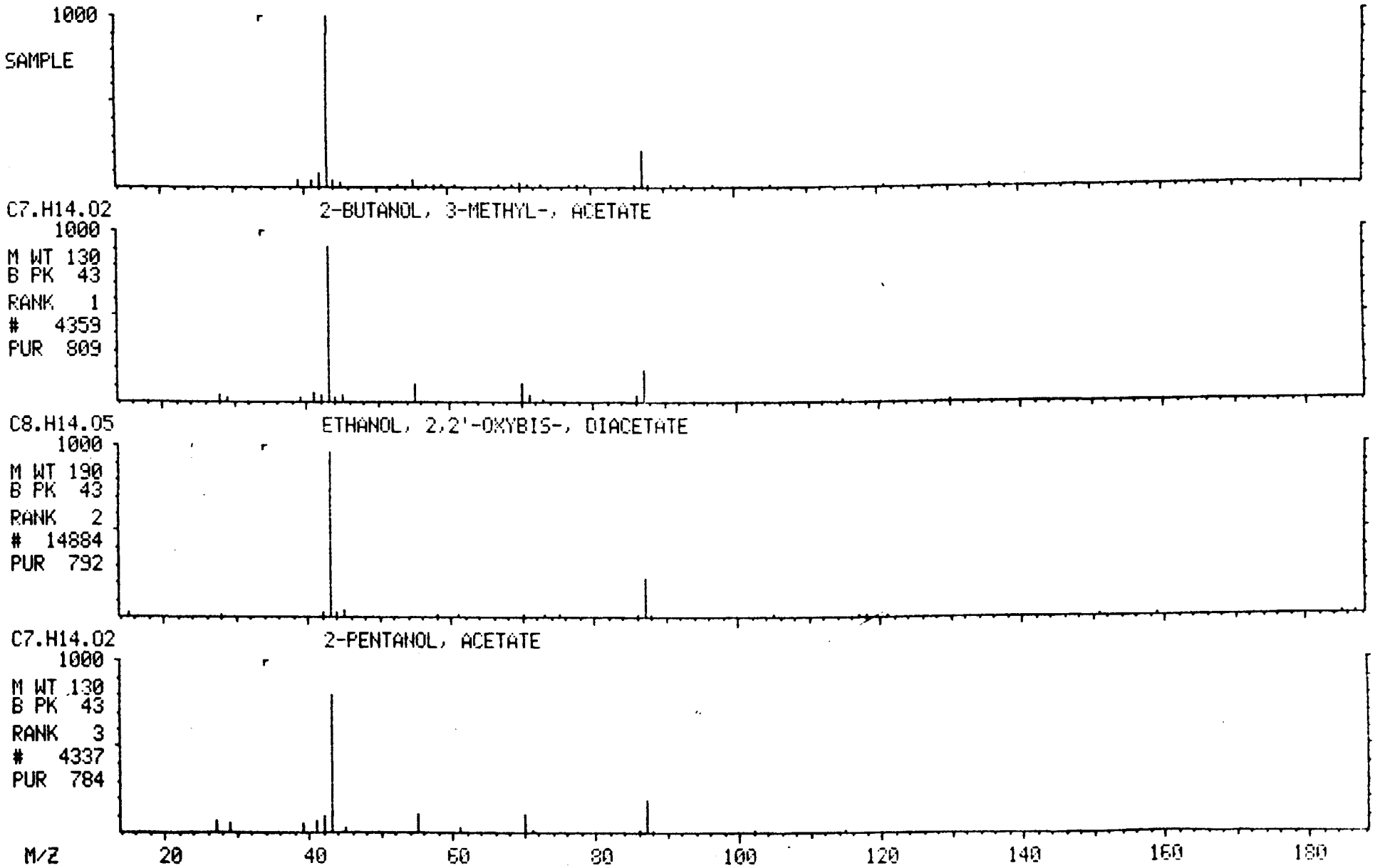
003933

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 11:36
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1171
CALI: APR22VG03 # 3

BASE M/Z: 43
RIC: 22784.

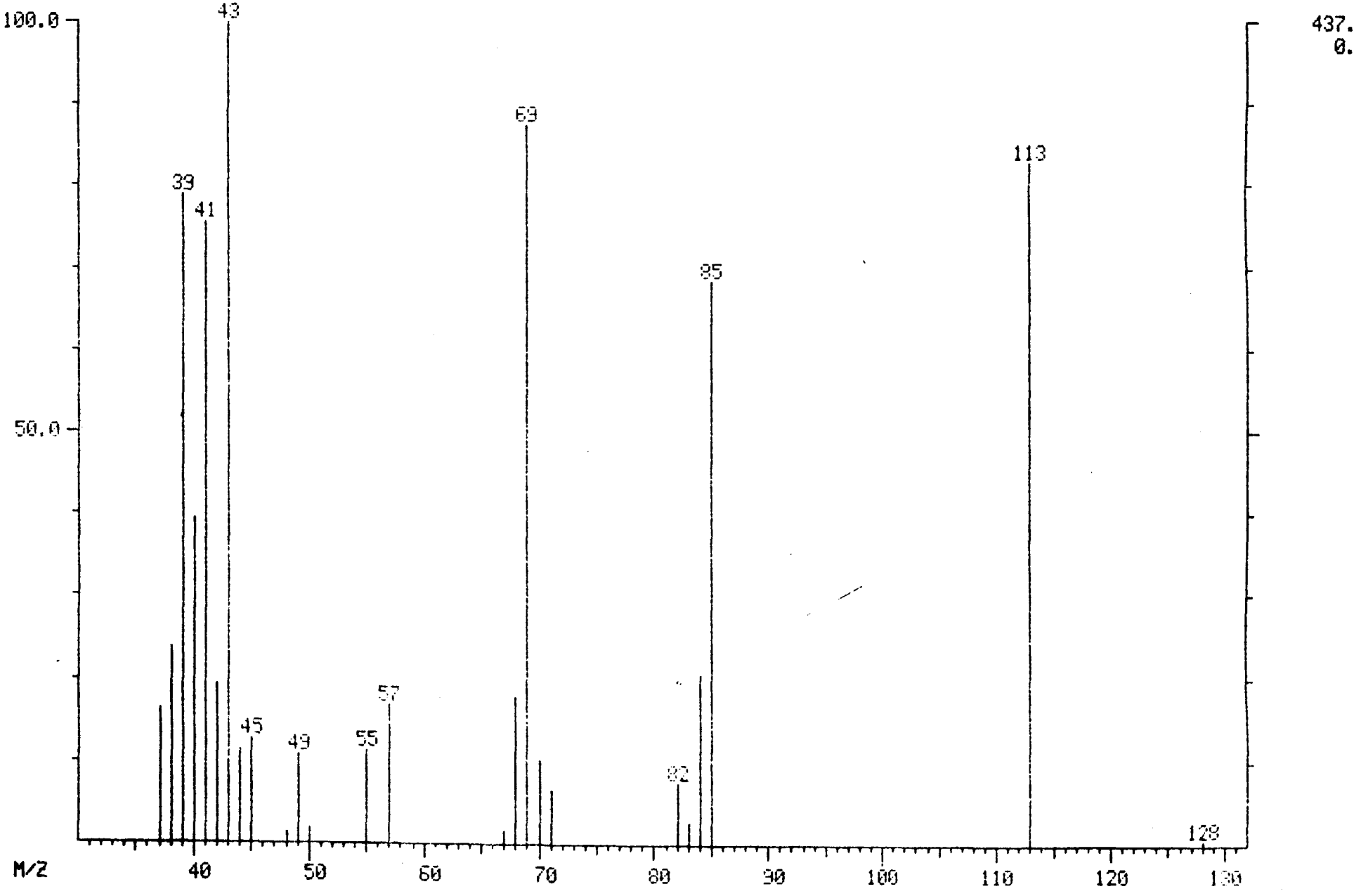
001964



MASS SPECTRUM
04/22/91 19:22:00 + 13:19
SAMPLE: 90909 GPC (LP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 134 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1344
CALI: APR22VG03 #3

BASE M/Z: 43
RIC: 3192.

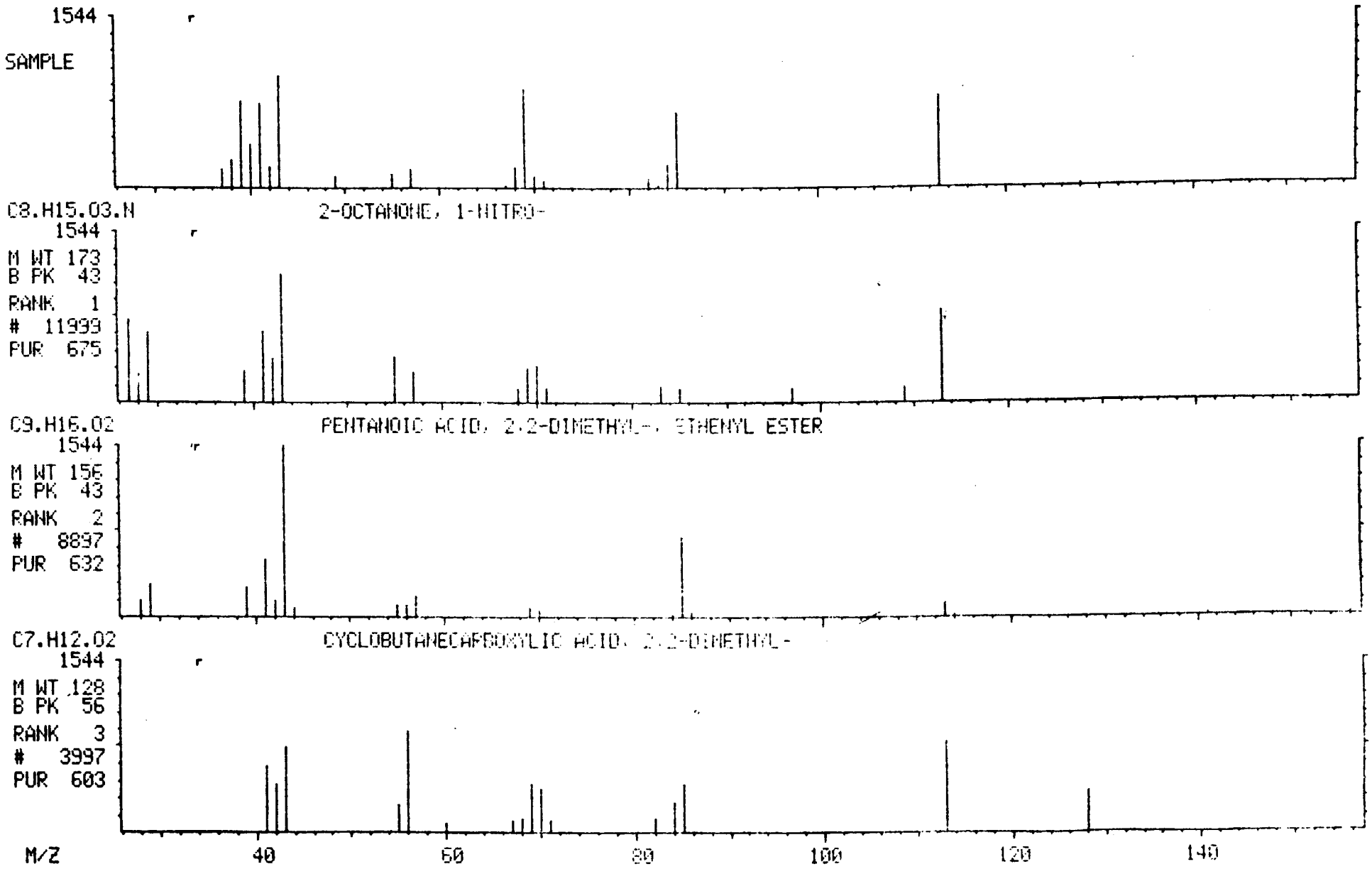


004965

MID LIBRARY SEARCH (LIBRARY)
04/22/91 19:22:00 + 13:19
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1344
CALI: APR22VG03 # 3

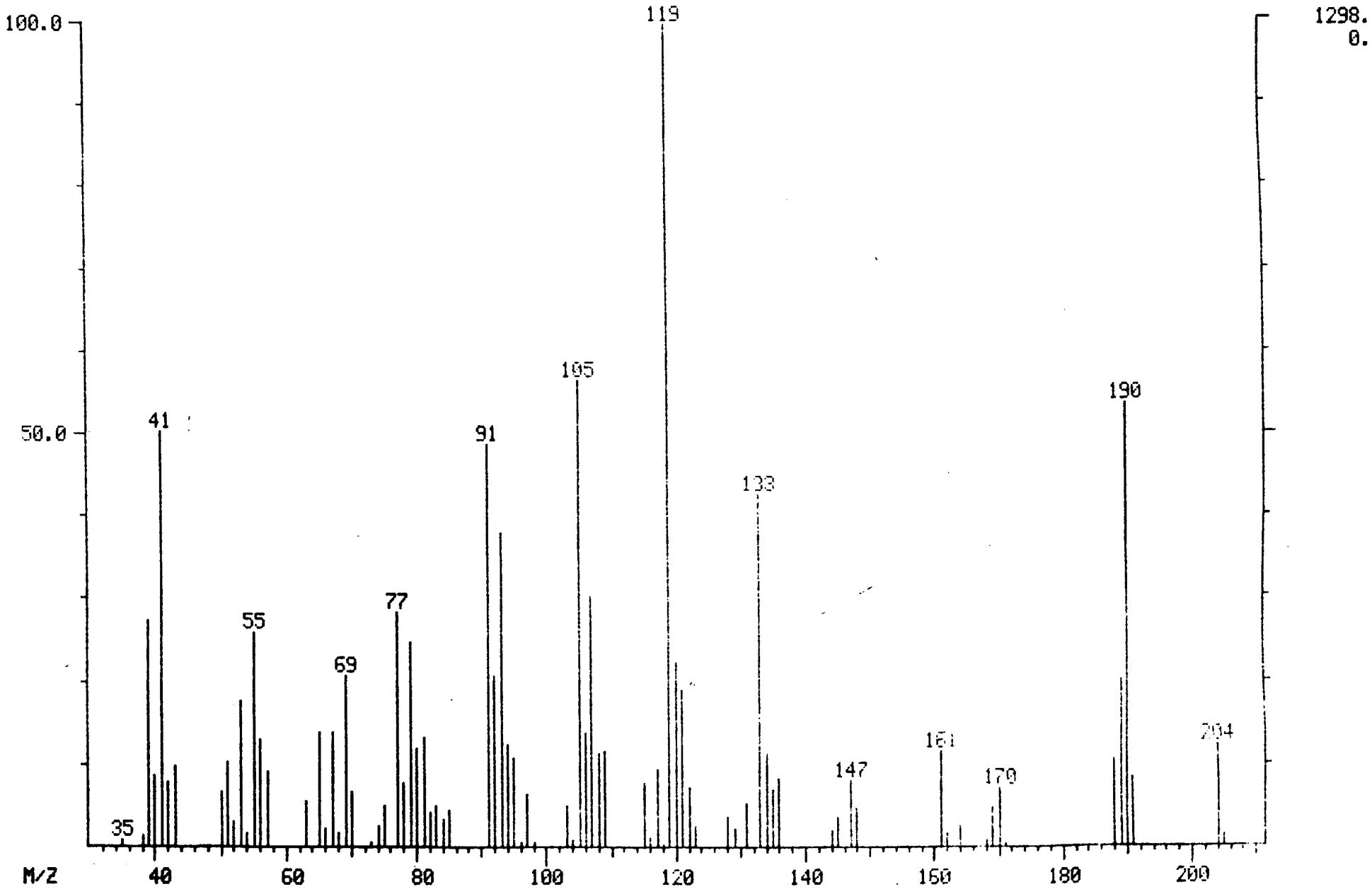
BASE M/Z: 43
RIC: 3068.



MASS SPECTRUM
04/22/91 19:22:00 + 17:44
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 178 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #1783
CALI: APR22VG03 #3

BASE M/Z: 119
RIC: 13520.

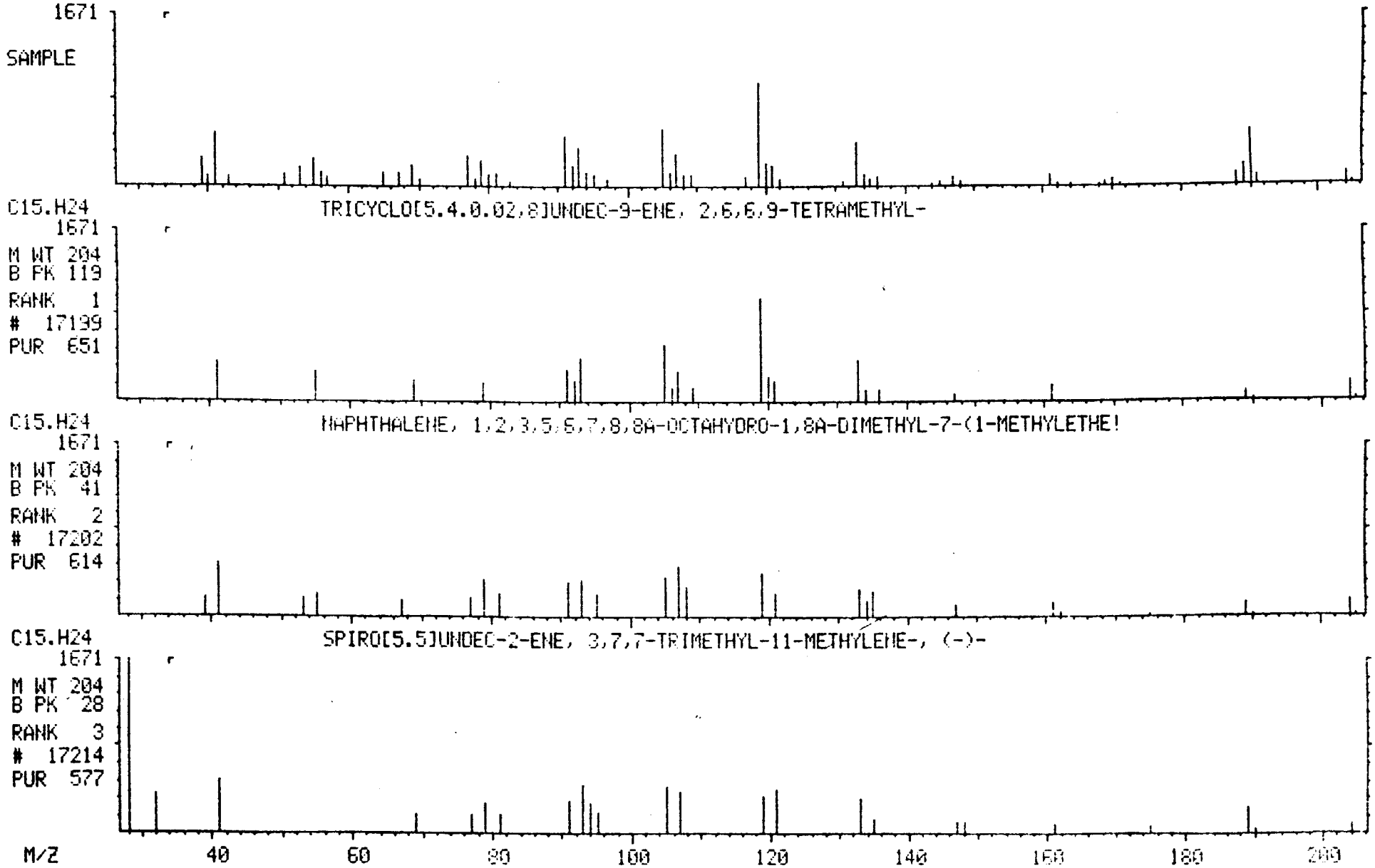


001967

MID LIBRARY SEARCH (LIBRARYNO)
04/22/91 19:22:00 + 17:44
SAMPLE: 30909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22V003 #1789
CALI: APR22V003 # 3

BASE M/Z: 119
RIC: 12560.

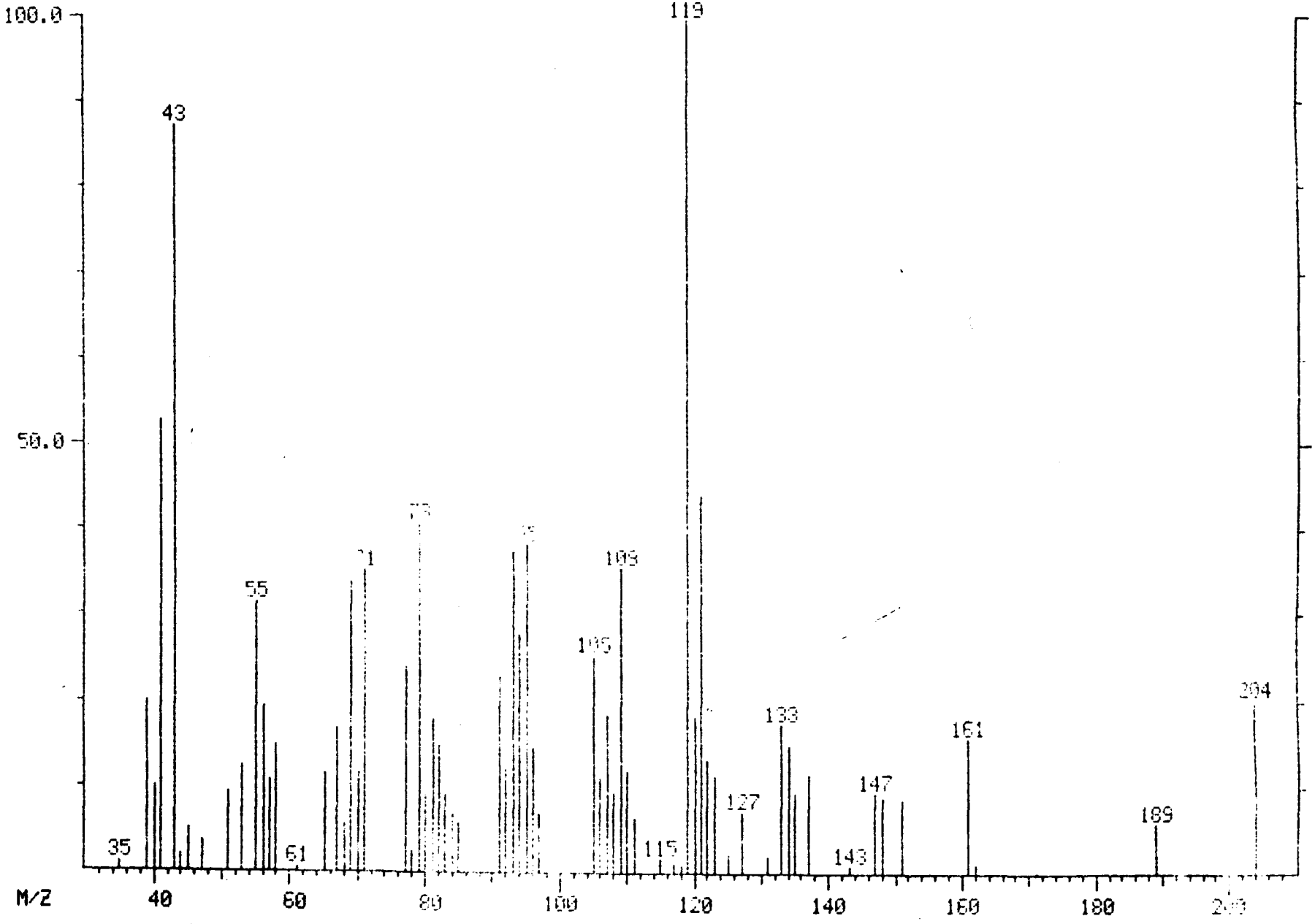


00196

MASS SP[illegible]
04/22/91 [illegible]
SAMPLE: [illegible]
CONDS.: 40 TO 270 [illegible] DEG. [illegible] DB5 CAP.
TEMP: 220 DEG. C
ENHANCED [illegible]

DATA: APR22VG03 #2201
CALI: APR22VG03 #3

BASE M/Z: 119
RIC: 7784.



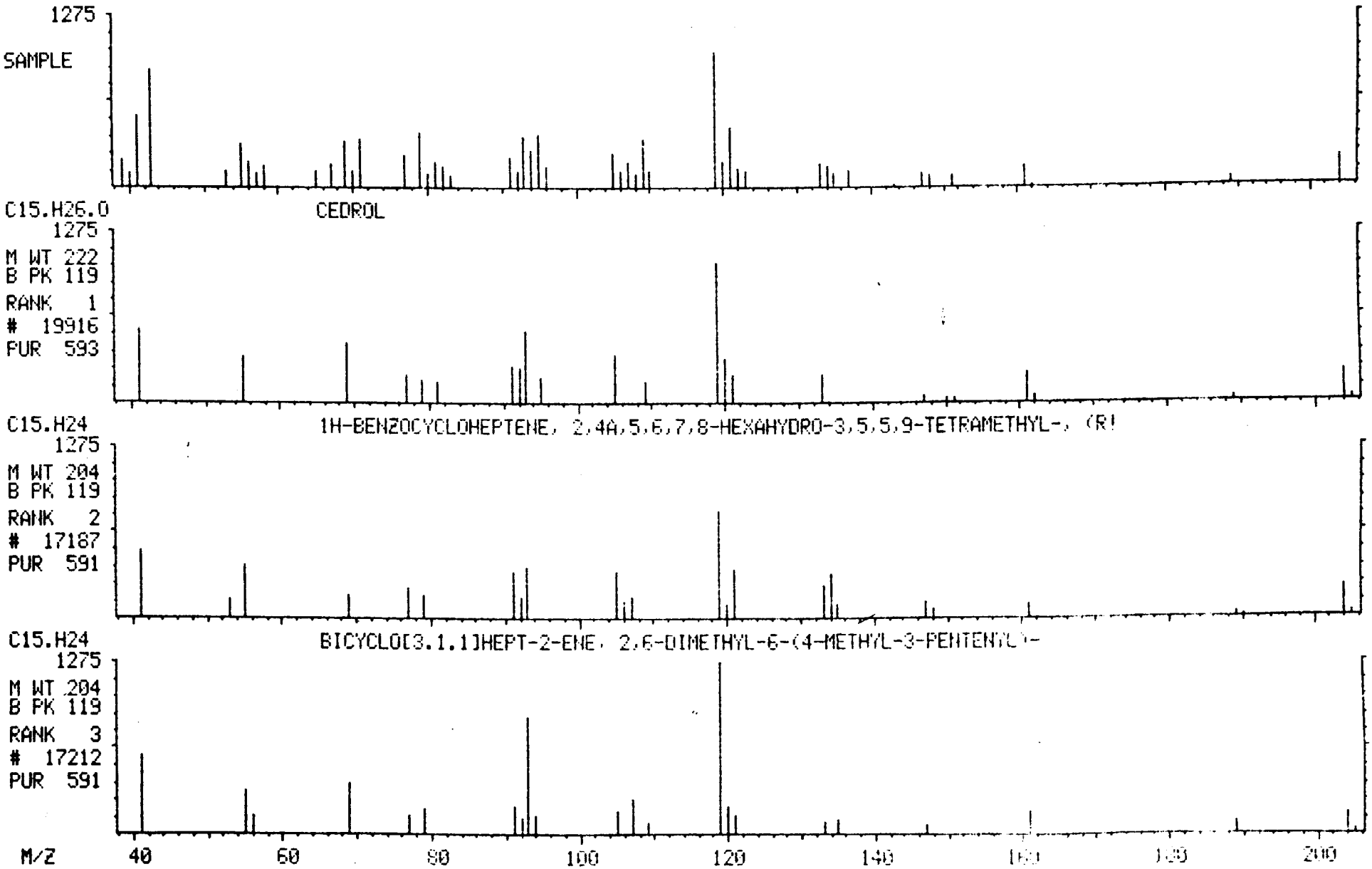
683.
0.

635400

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 21:49
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22W03 #2301
CALI: APR22W0 # 3

BASE M/Z: 119
RIC: 7288.



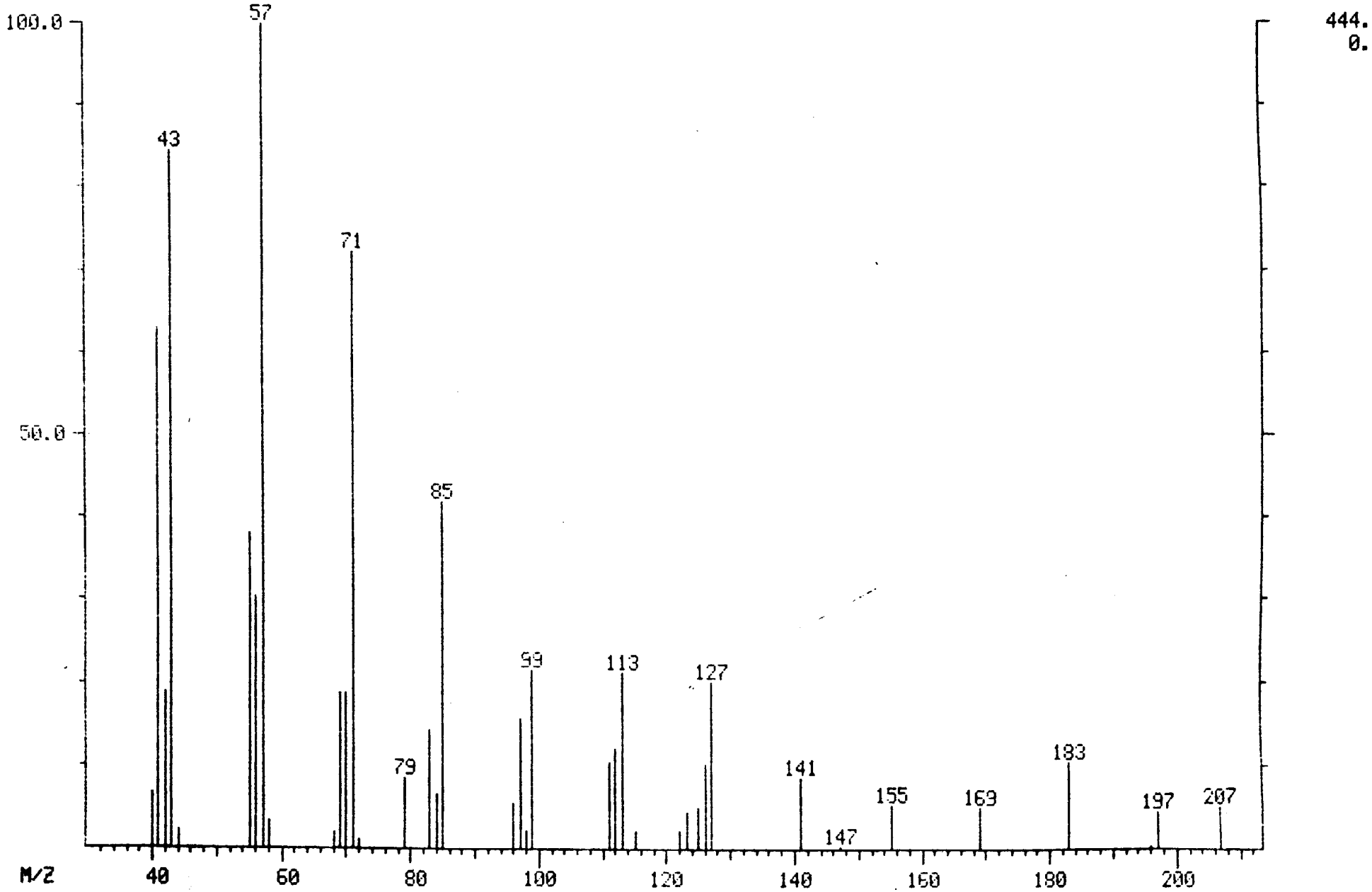
001970

MASS SPECTRUM
04/22/91 19:22:00 + 23:11
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 233 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2339
CALI: APR22VG03 #3

BASE M/Z: 57
RIC: 3156.

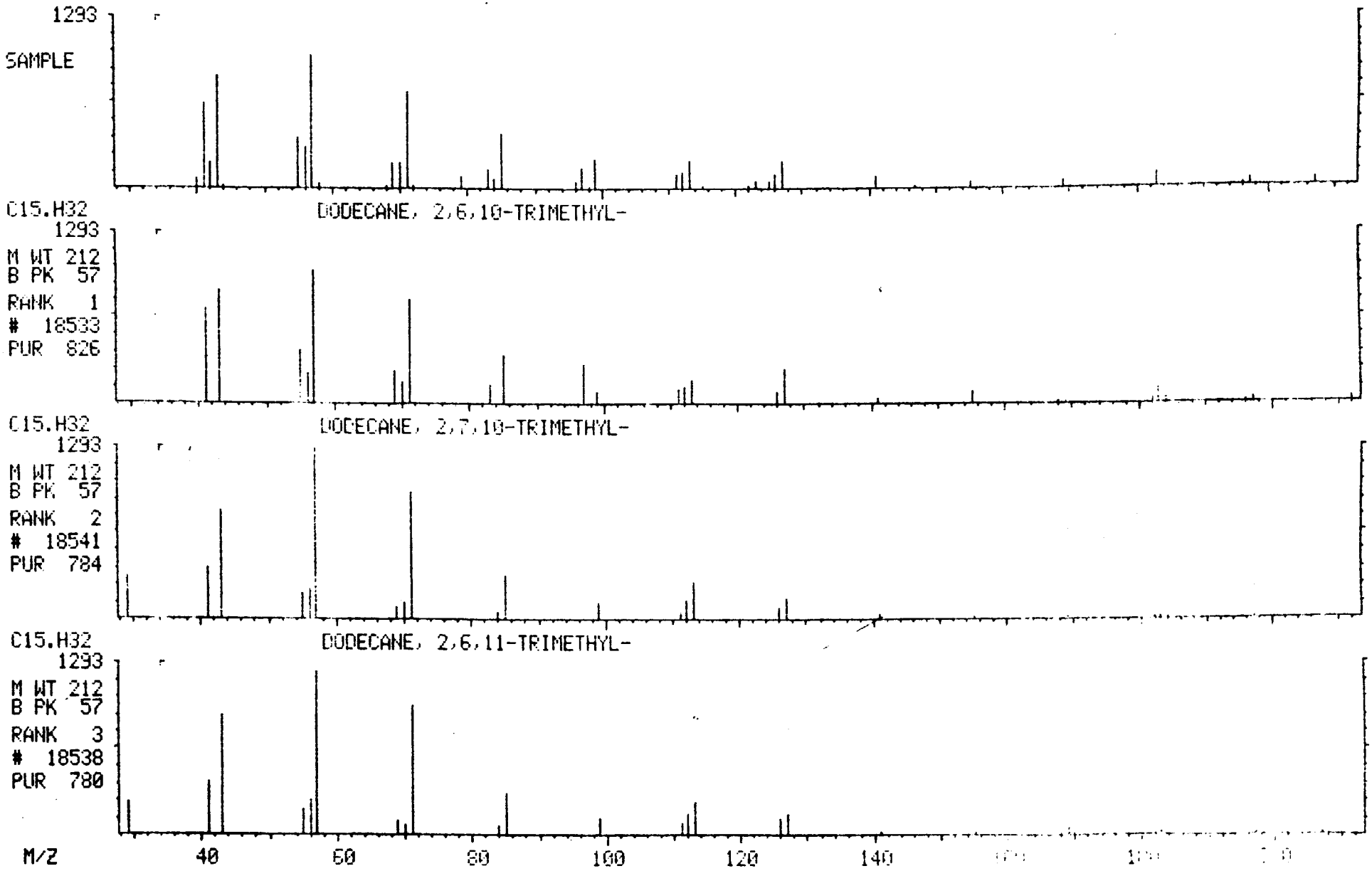
L6100



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 23:11
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22UG03 #2333
CALI: APR22UG03 # 3

BASE N Z: 57
RIC: 2156.

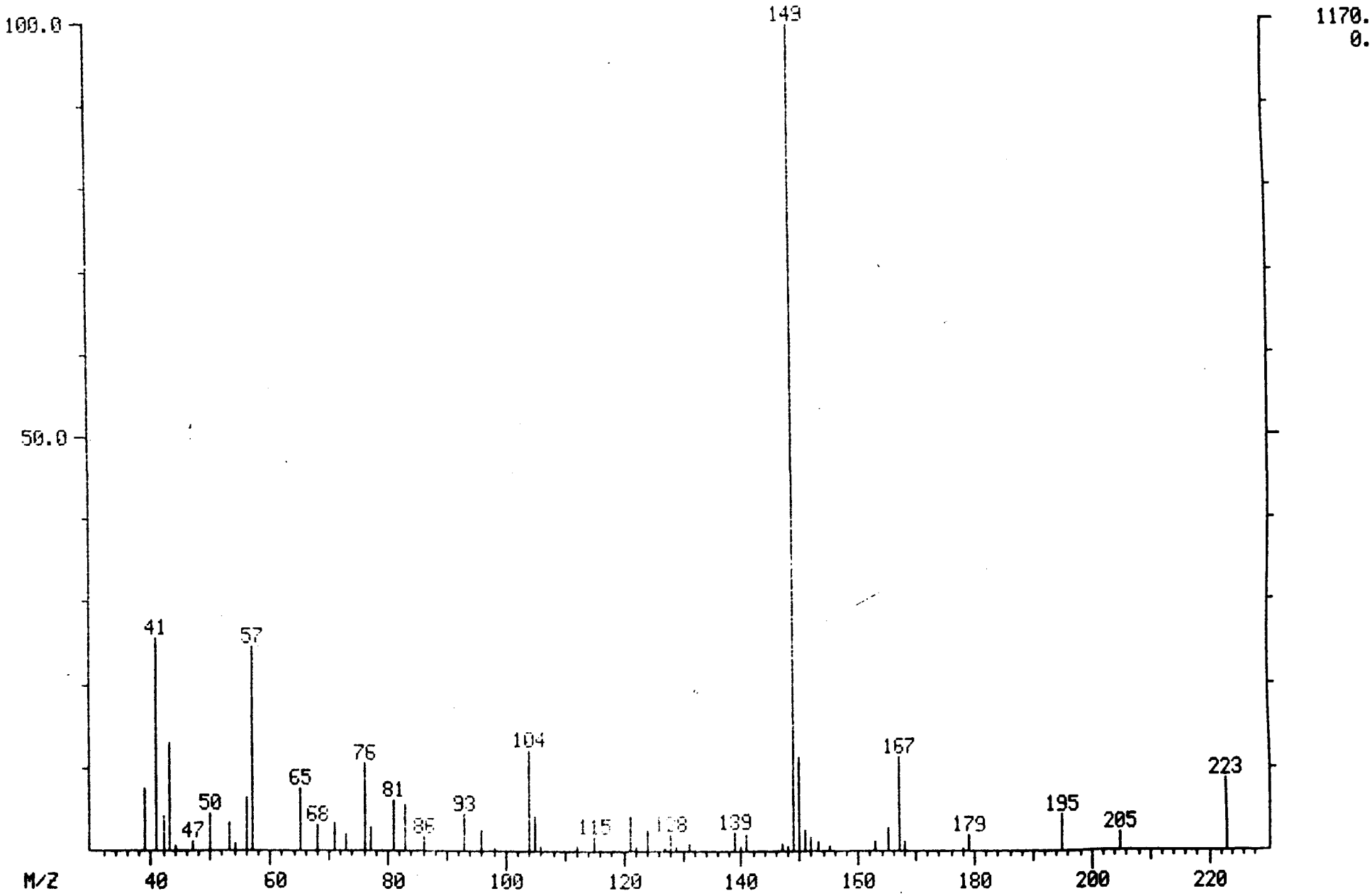


00397

MASS SPECTRUM
04/22/91 19:22:00 + 24:00
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 242 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2421
CALI: APR22VG03 #3

BASE M/Z: 149
RIC: 3856.

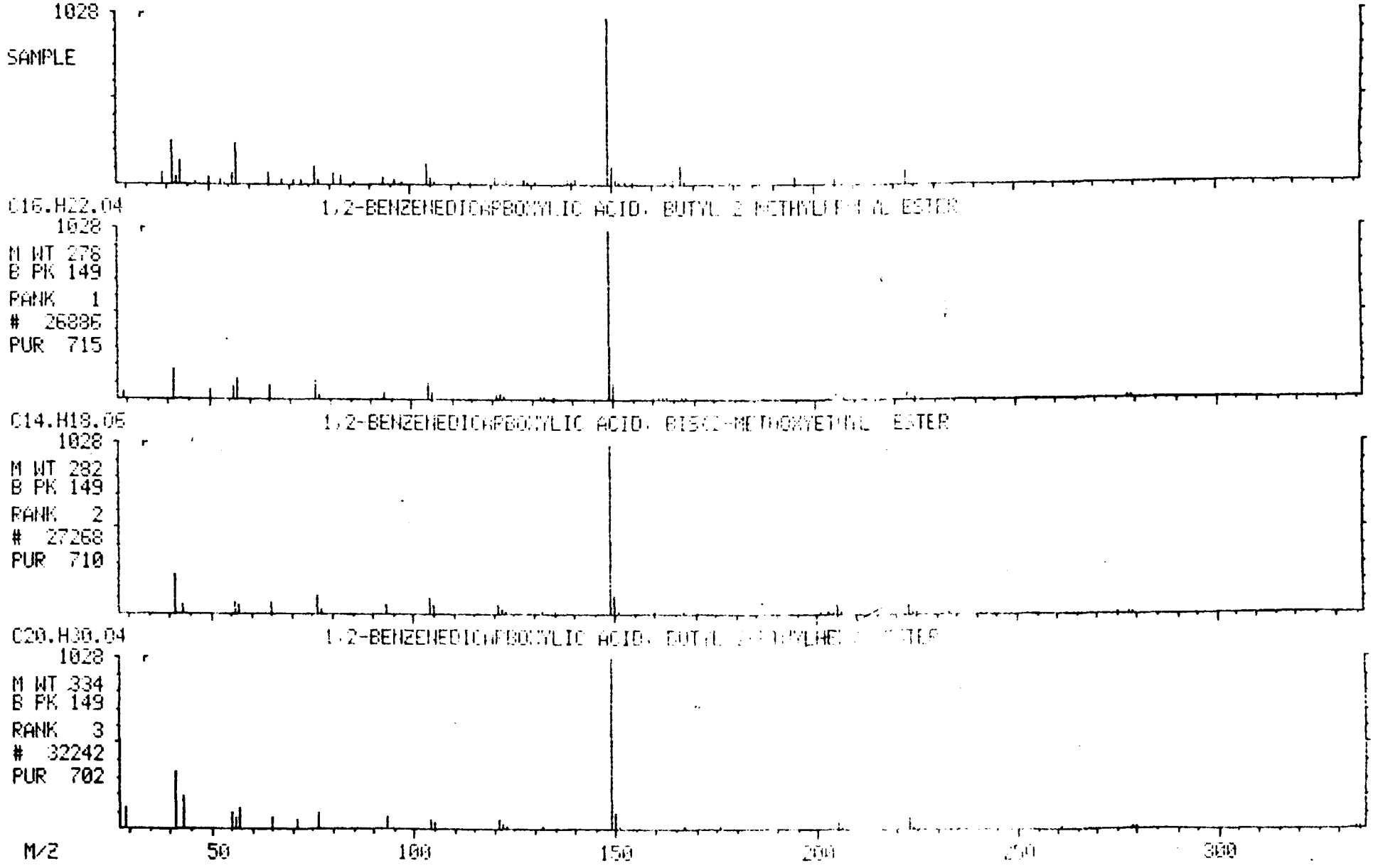


003973

MID LIBRARY SEARCH (LIBRARY/NB)
04/22/91 19:22:00 + 24:00
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATE: [illegible] #2421
[illegible] # 3

BASE M/Z: 149
RIC: 3828.



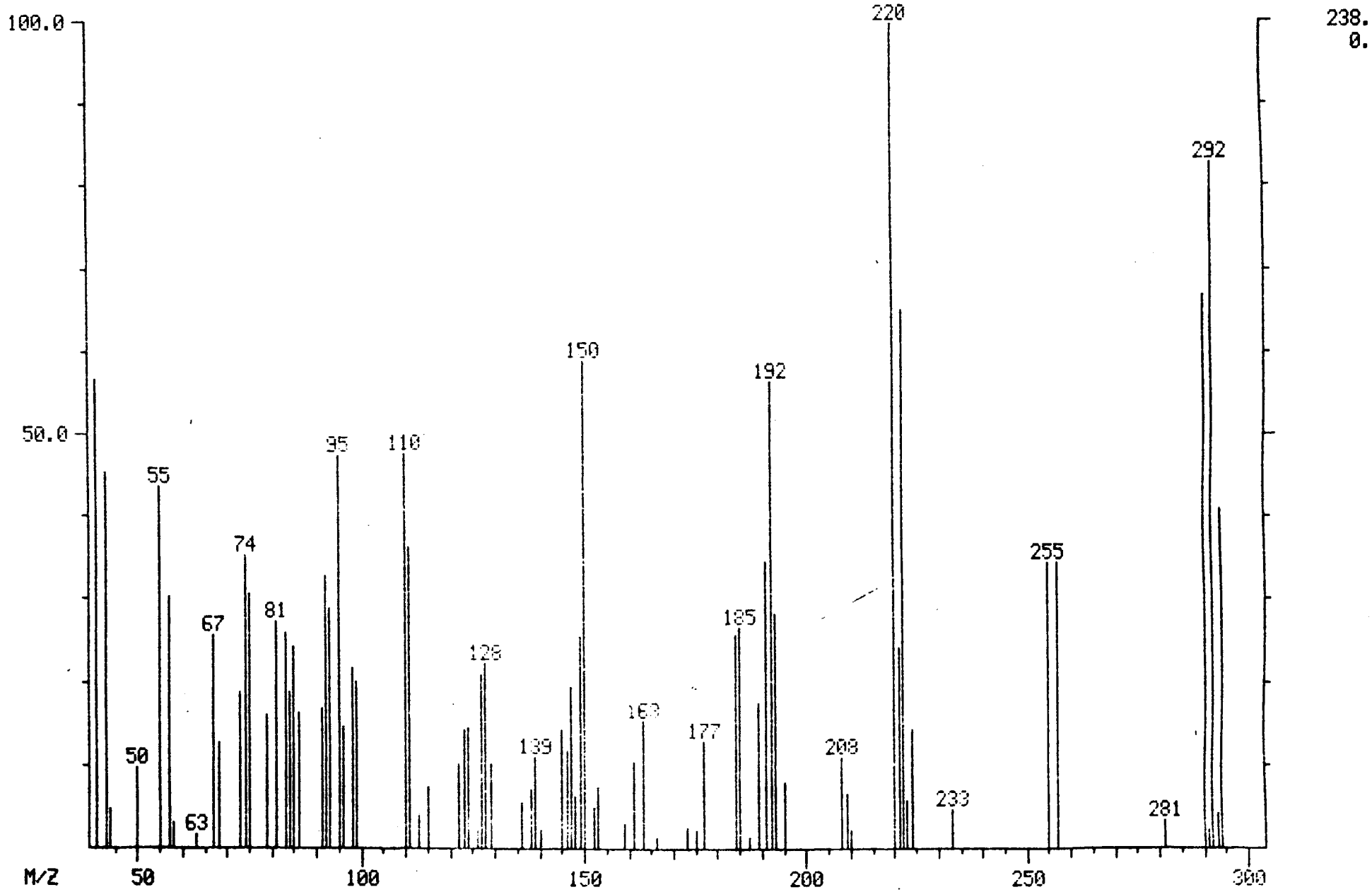
00394

MASS SPECTRUM
04/22/91 19:22:00 + 25:08
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
TEMP: 253 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2535
CALI: APR22VG03 #3

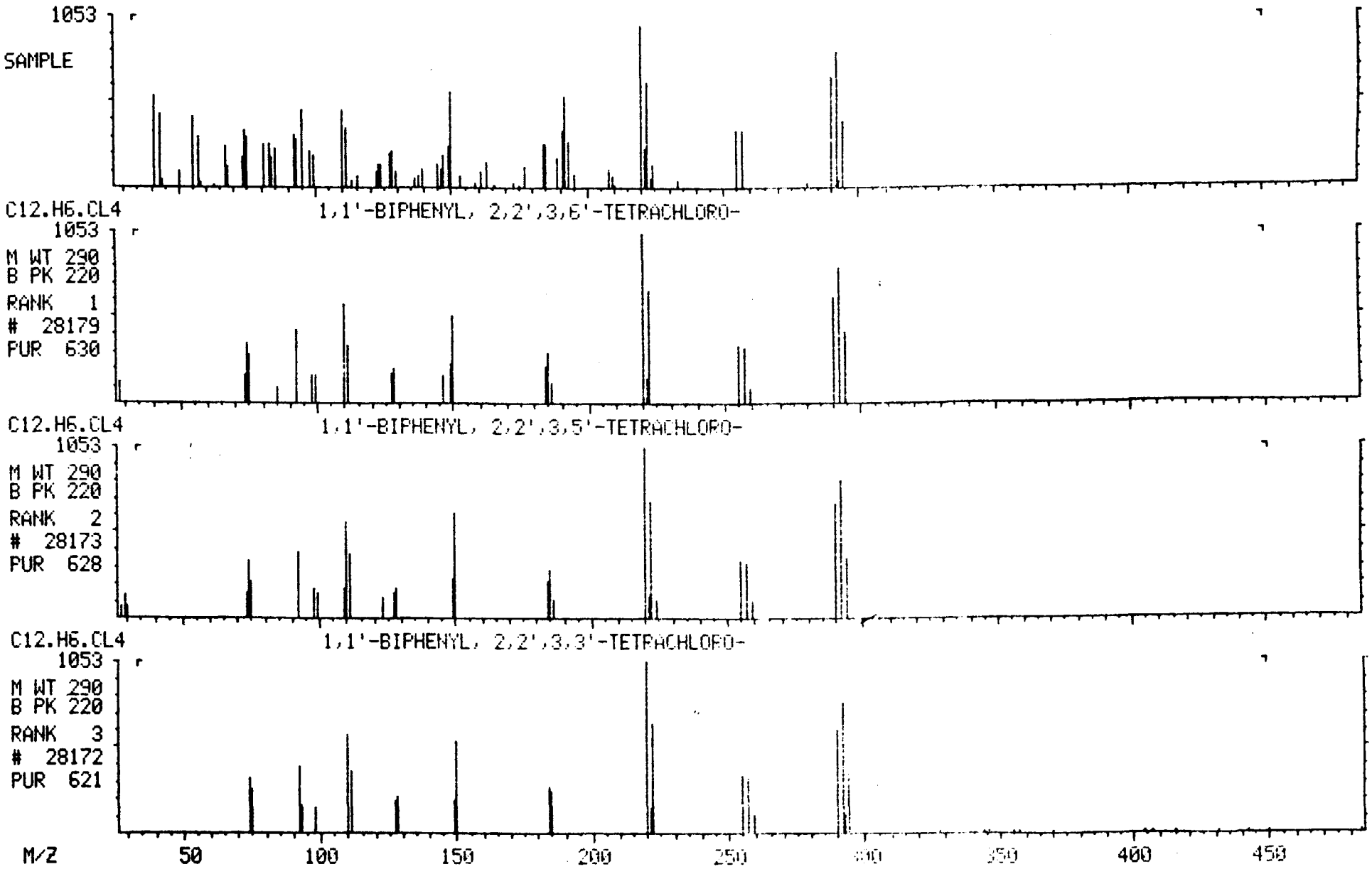
BASE M/Z: 220
RIC: 4192.

001975



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 25:08
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

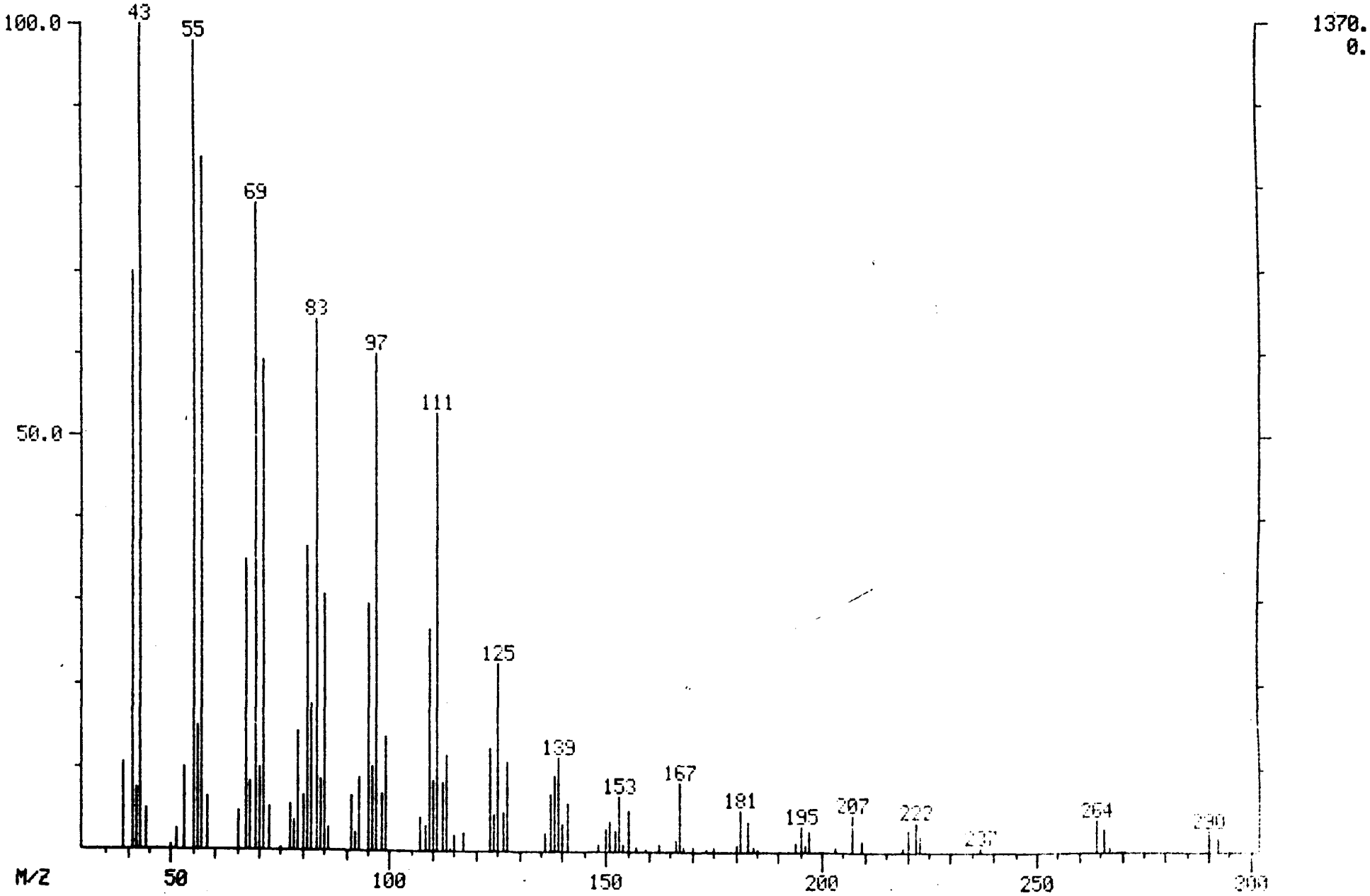
BASE M/Z: 220
RIC: 4000.



MASS SPECTRUM
04/22/91 19:22:00 + 25:54
SAMPLE: 90909 GPC CLF 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 261 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2913
CALI: APR22VG03 #7

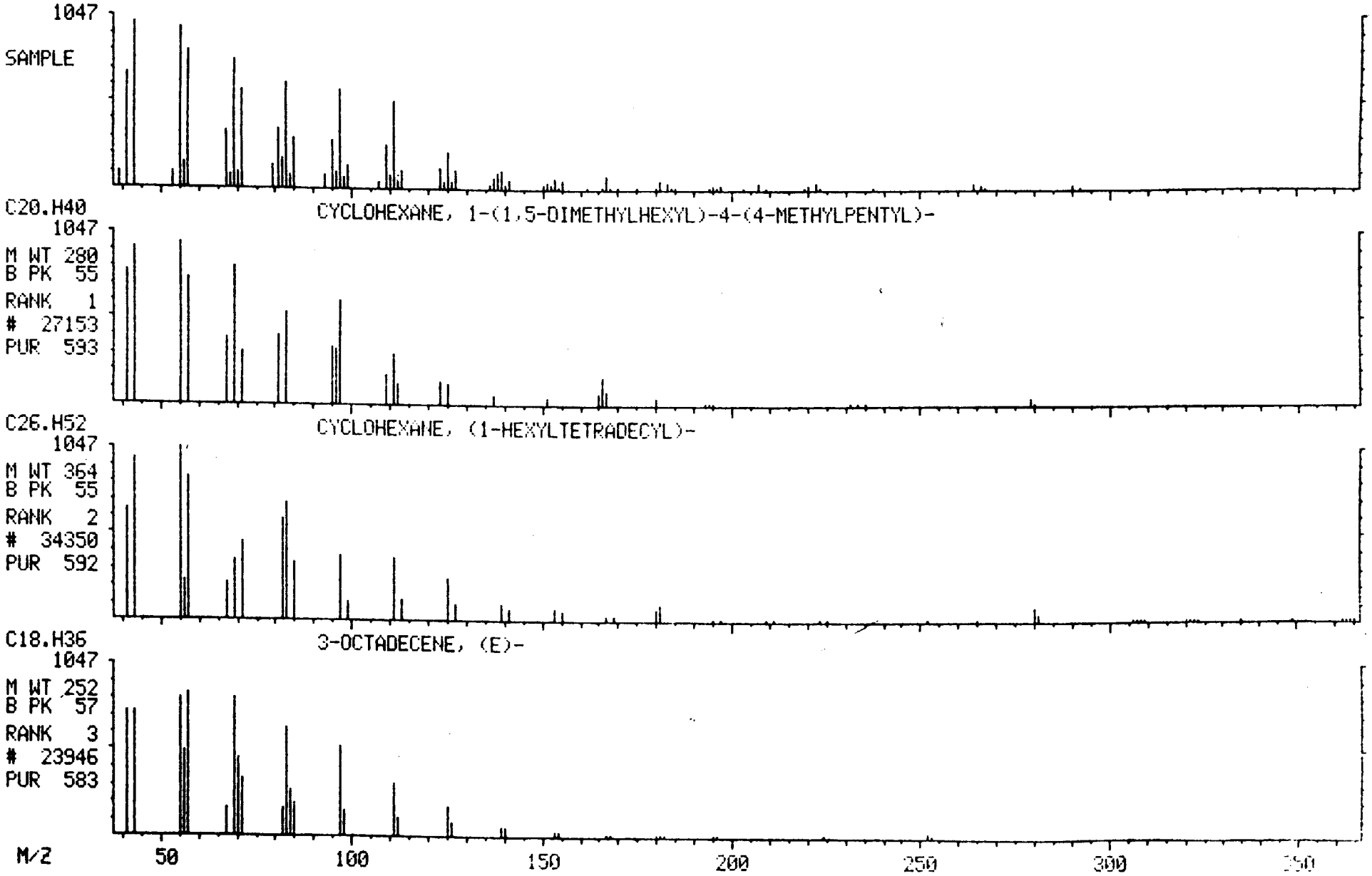
BASE M/Z: 43
RIC: 15392.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 25:54
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2613
CALI: APR22VG03 # 3

BASE M/Z: 43
RIC: 16000.

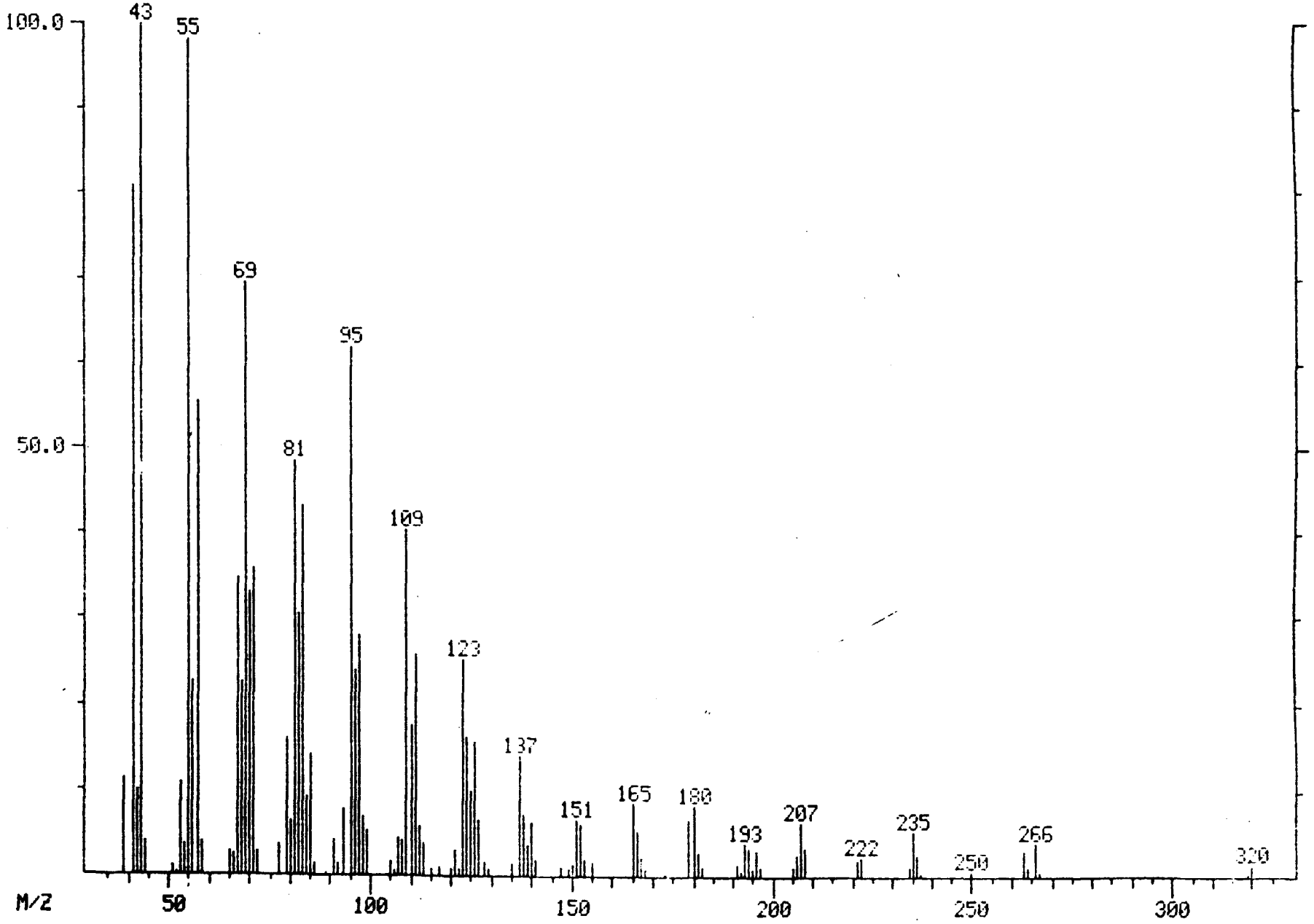


001978

MASS SPECTRUM
04/22/91 19:22:00 + 26:03
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22UG03 #2628
CALI: APR22UG03 #3

BASE M/Z: 43
RIC: 39936.

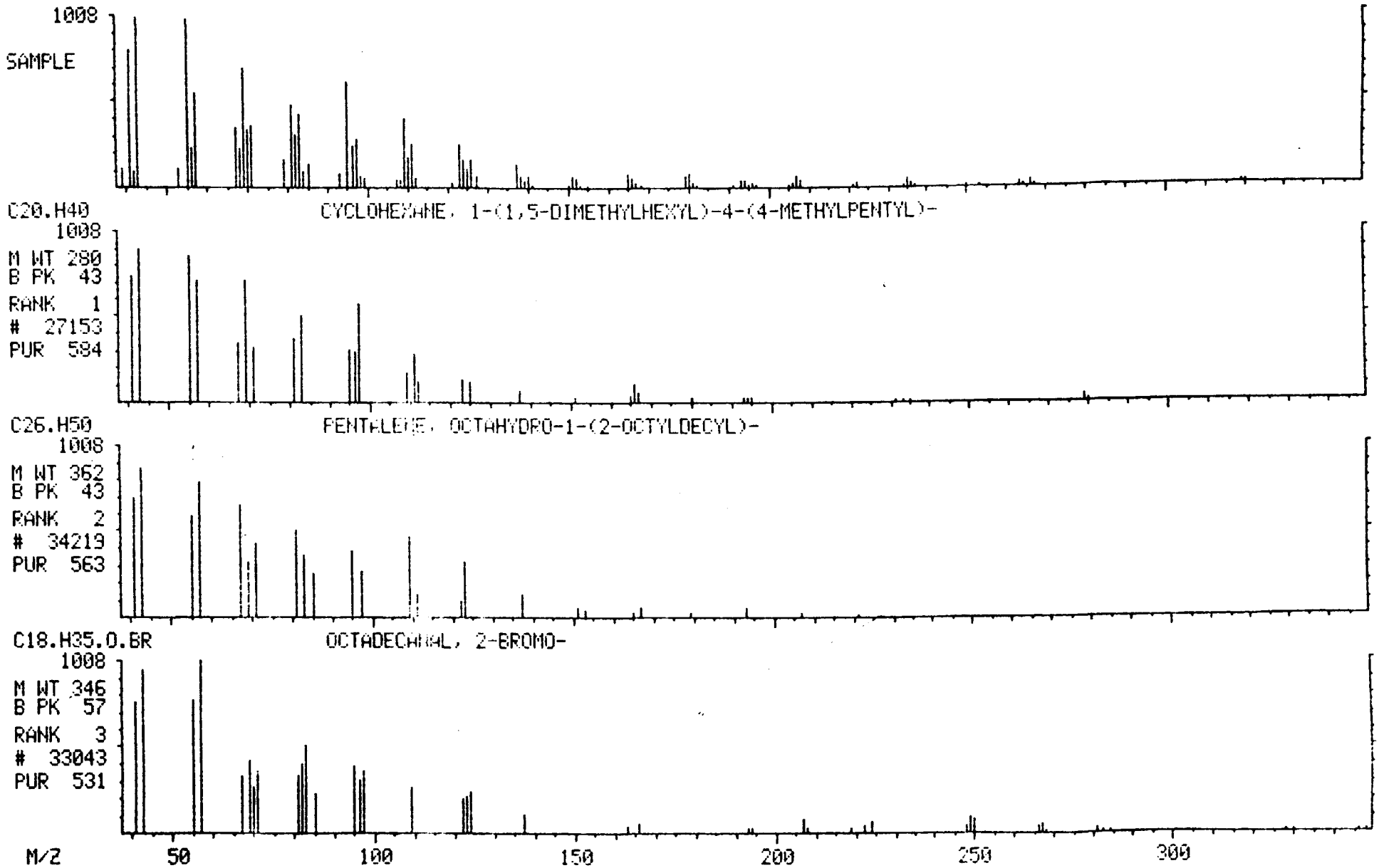


00299

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 25:03
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2628
CALI: APR22VG03 # 3

BASE M/Z: 43
RIC: 38208.



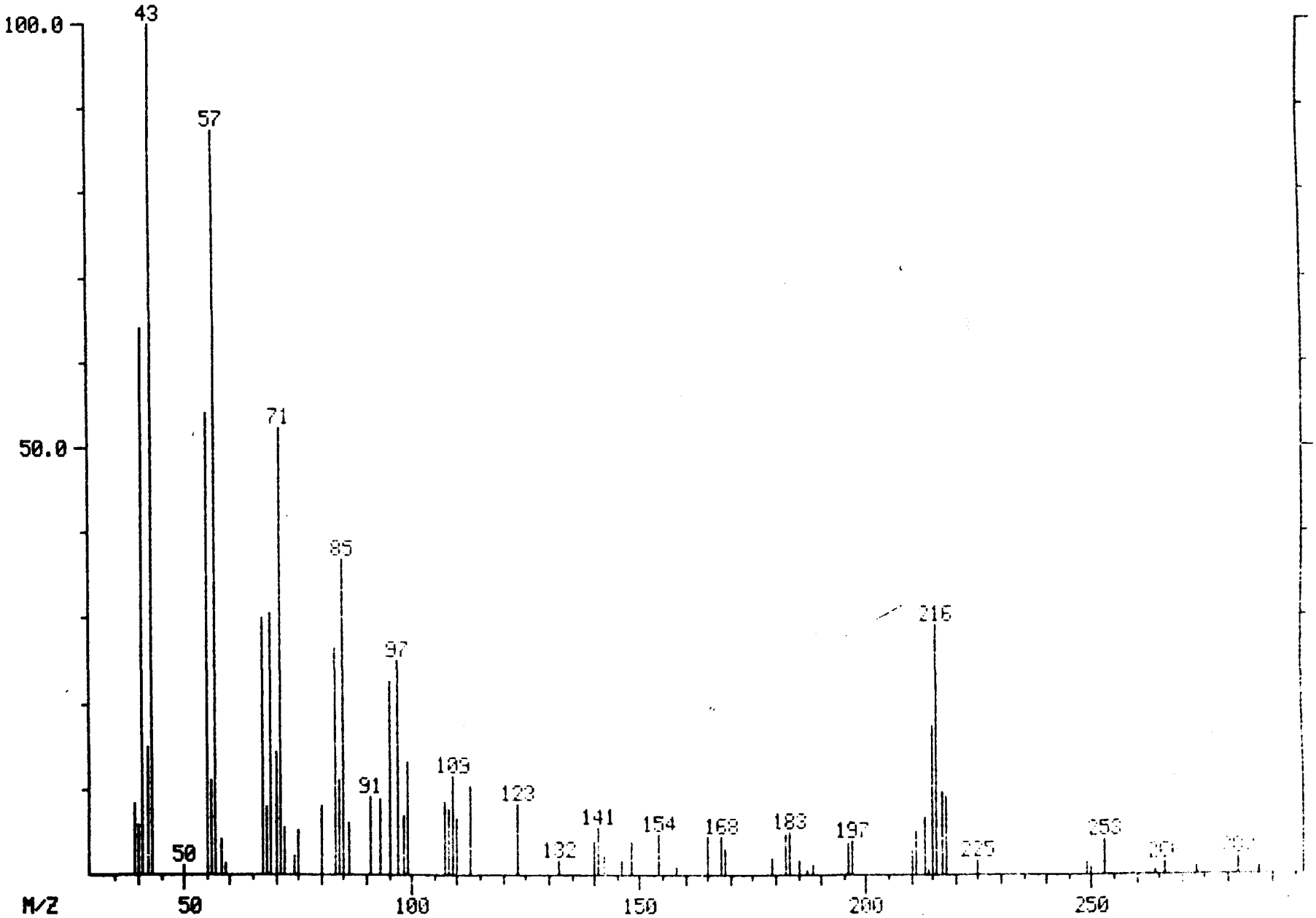
003900

MASS SPECTRUM
04/22/91 19:22:00 + 28:00
SAMPLE: 90909 GPC CLP 10L.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22[illegible]03 #2840
CALI: APR22[illegible]01 #3

PAGE # 3: 43
T.C: [illegible]

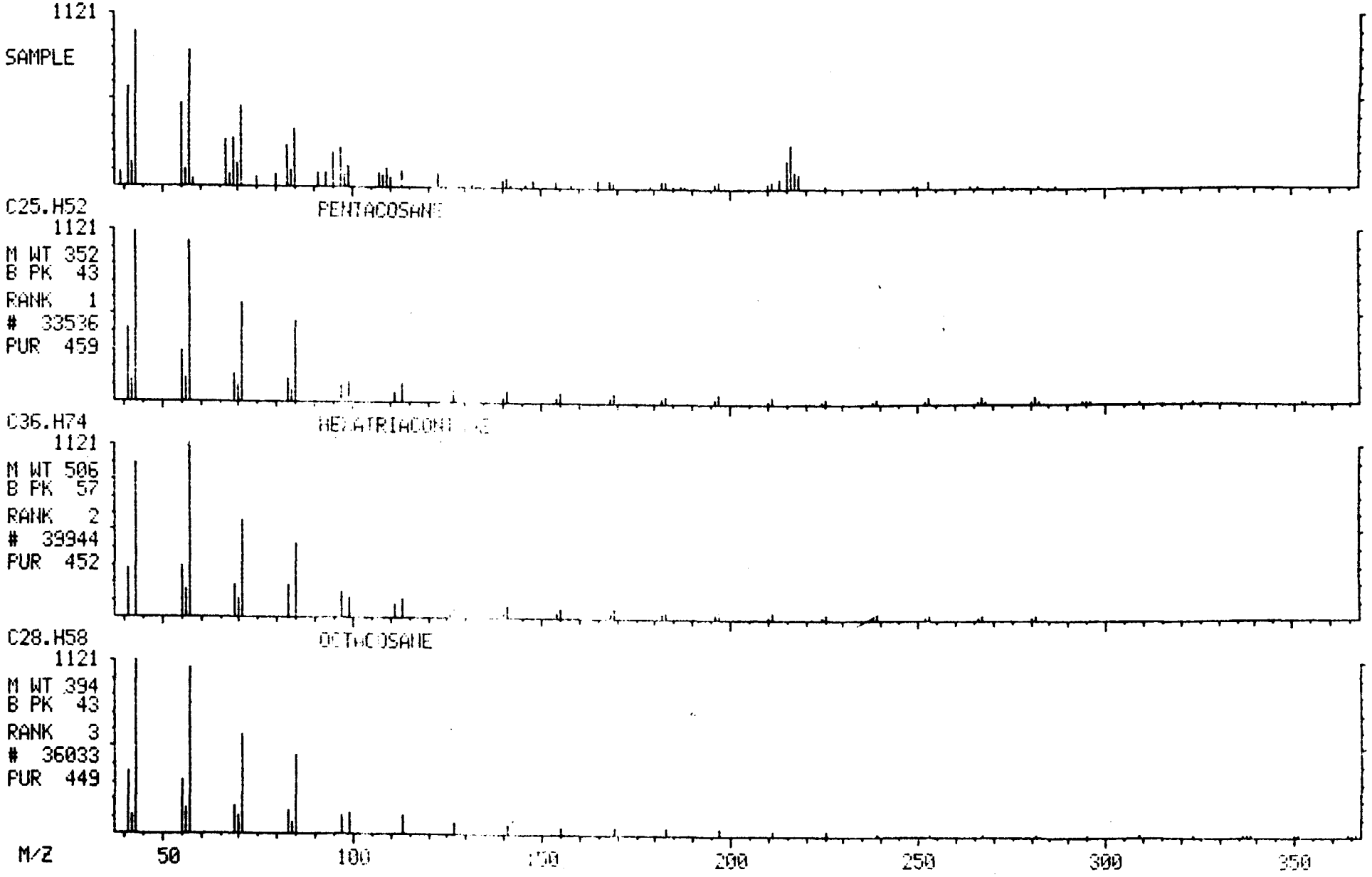
T36100



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 25:09
SAMPLE: 90909 GPC CLP 100.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG03 #2840
CALI: APR22VG03 # 3

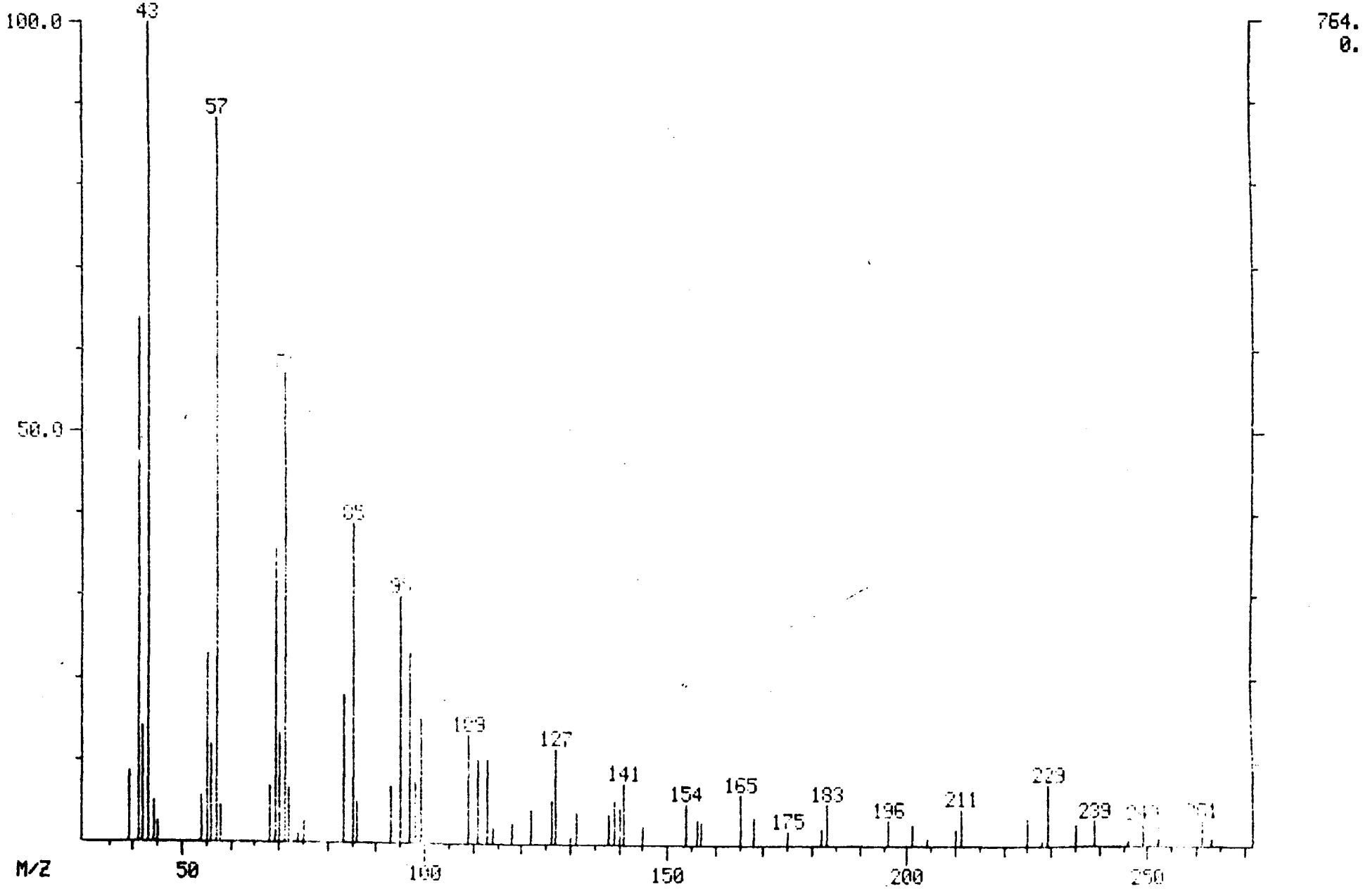
BASE M/Z: 43
RIC: 6912.



MASS SPECTRUM
04/22 91 19:32:00 + 30:27
SAMPLE: 54400 GPC CLF 10UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 200 DEG. C
ENHANCED (S 15B 2N 0T)

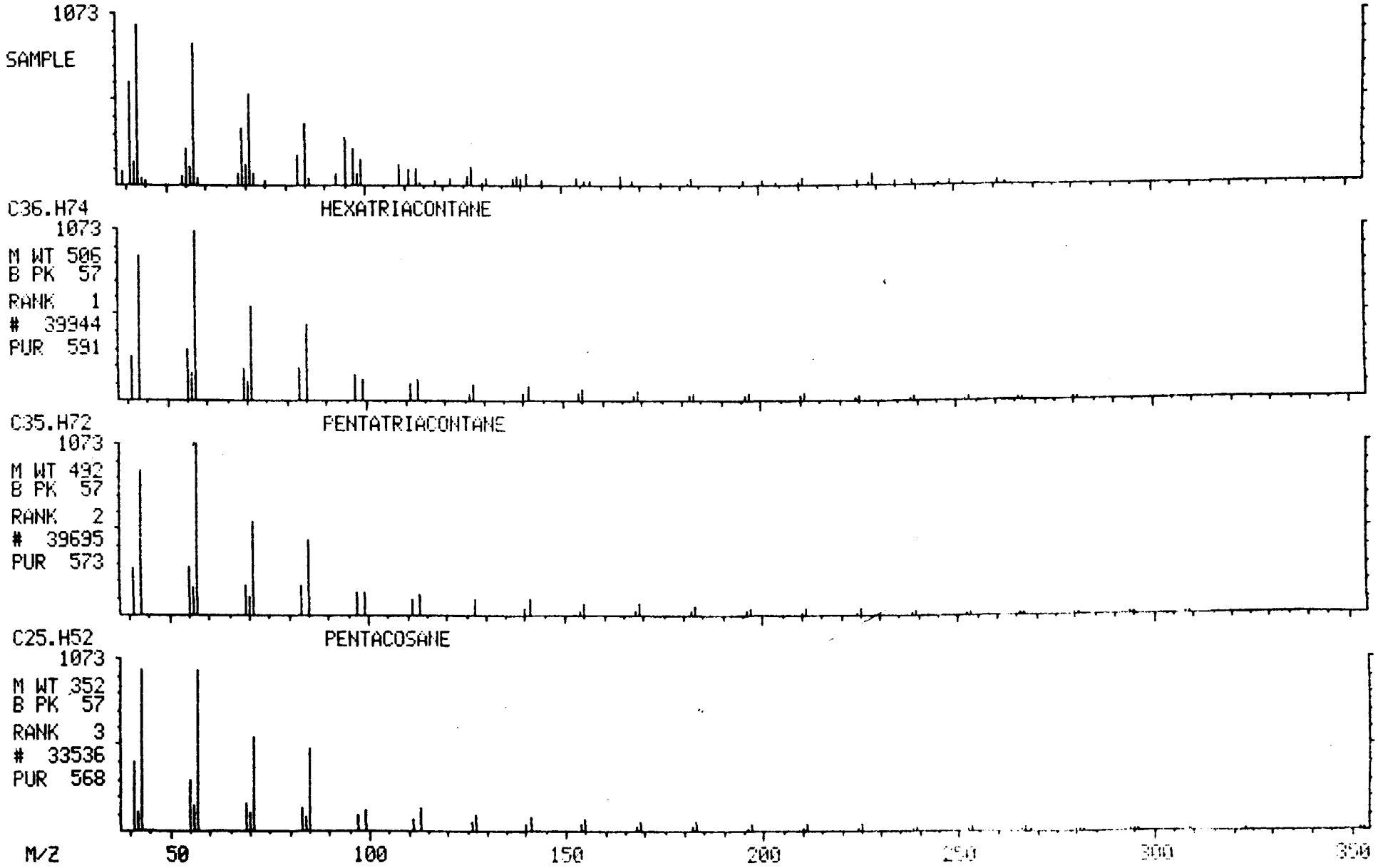
DATA: APR22UG03 #3072
CALI: APR22UG03 #3

BASE M/Z: 43
RIC: 5768.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 19:22:00 + 30:27
SAMPLE: 90903 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

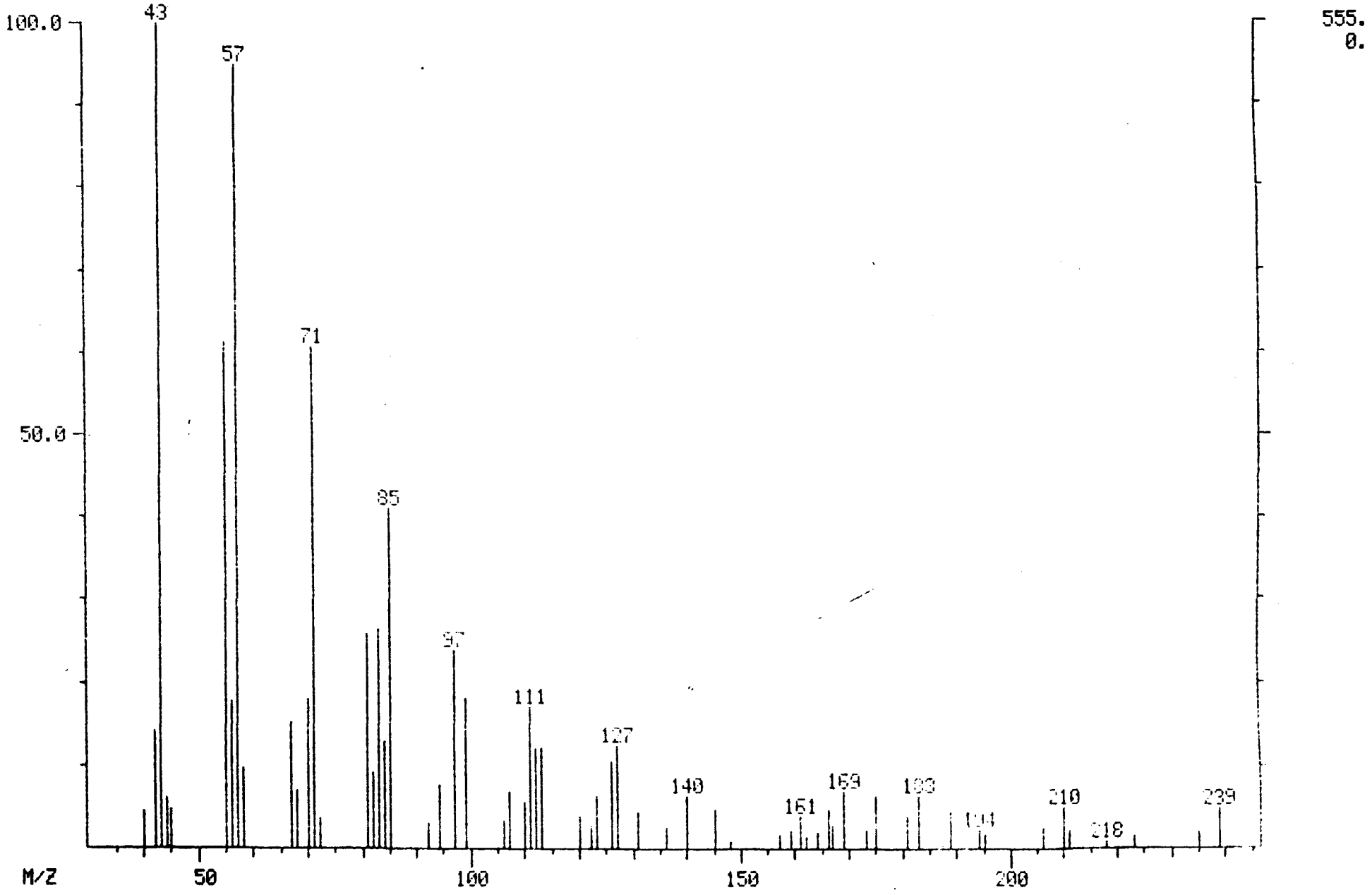
DATA: [illegible] #3072 BASE M/Z: 43
CALI: [illegible] PIC: 5760.



MASS SPECTRUM
04/22/91 19:22:00 + 33:44
SAMPLE: 90909 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR2190G03 #3403
CALI: APR2190G03 #3

BASE M/Z: 43
RIC: 4304.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	860	U
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	860	U
129-00-0	Pyrene	860	U
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	860	U
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X112

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 20

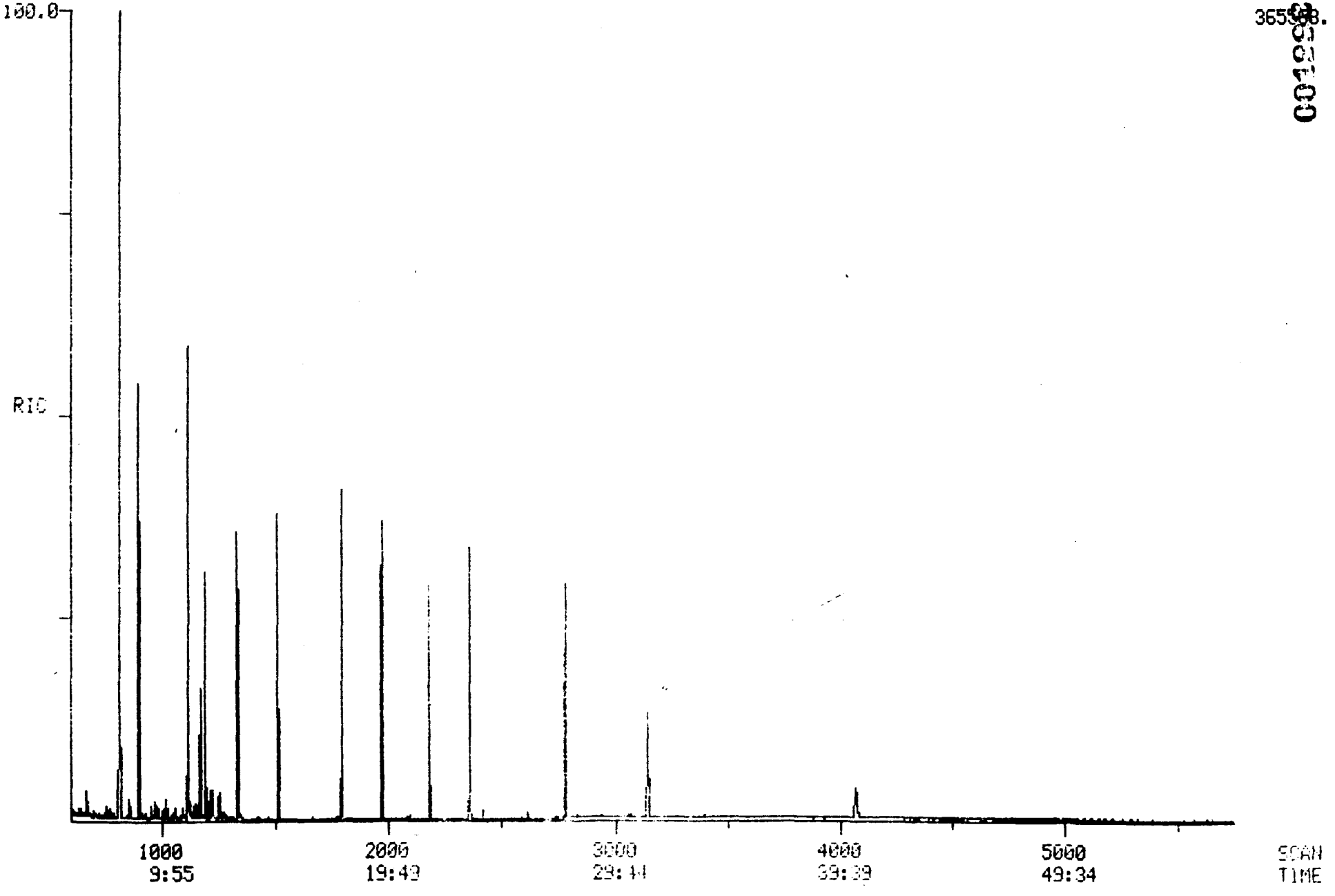
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.35	39	J
2.	UNKNOWN	7.52	68	BJ
3.	UNKNOWN ALIP. HYDROCARBON	7.67	54	J
4.	UNKNOWN ALIP. ALCOHOL	8.10	5300	BAJ
5.	UNKNOWN	8.52	100	J
6.	UNKNOWN	9.47	62	J
7.	TETRACHLORO ETHANE	9.75	90	BJ
8.	UNKNOWN	10.14	140	BJ
9.	UNKNOWN	10.40	36	BJ
10.	UNKNOWN	10.54	88	J
11.	UNKNOWN	10.85	55	J
12.	UNKNOWN	11.19	96	BJ
13.	UNKNOWN	11.39	74	BJ
14.	UNKNOWN	11.54	54	J
15.	UNKNOWN	11.64	690	BJ
16.	UNKNOWN	12.02	88	J
17.	UNKNOWN	12.10	150	BJ
18.	UNKNOWN	12.44	180	J
19.	UNKNOWN	12.60	68	J
20.	UNKNOWN PHTHALATE	23.97	49	J

X112

RIC
04/19/91 12:58:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5750 LABEL: N 0, 4.0 0 MN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR19GK04 #1 SCANS 600 TO 5750
CALI: APR19GK04 #3



001990

4/19/91 12:58:16
Acquisition started

4/19/91 12:58:18
Acquire Run 4:APR19GK04 Starting
04/19/91 12:58:00 + 0:00 Free sectors: 3039 Scan: 0 of 5750
Sample: 90910 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No:

*** Autosampler is ready ***
AS Desc.: GG Inject. Vol.: 0.5 VIAL: 1
*** GC ready and waiting ***
GC Desc.: BN Elapsed time : 0.0 Min

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total			
					Injector A	:	260 Deg C
1	40- 40	-	4.0	4.0	GC oven	:	40 Deg C
2	40-280	10.0	24.0	28.0	Transfer-line	:	270 Deg C
3	280-280	-	32.0	60.0	Ion source	:	180 Deg C

Valve A : closed Valve B : closed
*** Instrument parameters ***
Post acquisition state -> Filament : Off Multiplier : Off
Mode EI (+) Centroid + Temp - Sequence: BN (2 time windows.)

Sequence Window # 1
Number of cycles: 360
Filament is OFF
Multiplier is OFF

Scan descriptor: BN Mass intervals: 1 Positive ion mode.
Total scan time: 0.595 s Master rate: 16

MPW 3 MFW: 80 MA: 15 TH: 1 BL: 0

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

Sequence Window # 2
Number of cycles: 1
Filament is ON
Multiplier is ON
Scan descriptor BN Mass intervals: 1 Positive ion mode.
Total scan time: 0.595 s Master rate: 16

MPW 3 MFW: 80 MA: 15 TH: 1 BL: 0

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

Calibration table: 1:CALTAB

Interface number	0	
Instrument type	Q	
Full scale mass	1159	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.00	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 959.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/19/91 13:50:52 SCAN 5175 OF 5750
Number of scans changed to 5750

4/19/91 13:57:00
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec	
Centroid	5750	8.2	3419.7	0.2	122796.	21.	36.

001894

Quantitation Report File: APR19GK04

Data: APR19GK04.TI
04/19/91 12:58:00
Sample: 90910 GPC CLP 1UL-1.0ML
Conds: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	0130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	0215 PHENOL
3	0325 BIS(2-CHLOROETHYL)ETHER
4	0330 2-CHLOROPHENOL
5	0335 1,3-DICHLOROBENZENE
6	0340 1,4-DICHLOROBENZENE
7	0350 1,2-DICHLOROBENZENE
8	0349 BENZYL ALCOHOL
9	0355 2-METHYLPHENOL
10	0360 BIS(2-CHLOROISOPROPYL)ETHER
11	0365 4-METHYLPHENOL
12	[illegible] N-NITROSO-DI-N-PROPYLAMINE
13	0375 HEXACHLOROETHANE
14	[illegible] 2-FLUOROPHENOL (SURROGATE)
15	[illegible] D5-PHENOL (SURROGATE)
16	0140 D8-NAPHTHALENE (INTERNAL)
17	0410 NITROBENZENE
18	0415 ISOPHORONE
19	0420 2-NITROPHENOL
20	[illegible] 2,4-DIMETHYLPHENOL
21	0430 BENZOIC ACID
22	0435 BIS(2-CHLOROETHOXY) METHANE
23	0440 2,4-DICHLOROPHENOL
24	0445 1,2,4-TRICHLOROBENZENE
25	0450 NAPHTHALENE
26	0455 4-CHLOROANILINE
27	0460 HEXACHLOROBUTADIENE
28	0465 4-CHLORO-3-METHYLPHENOL
29	0470 2-METHYLNAPHTHALENE
30	0520 D5-NITROBENZENE (SURROGATE)
31	0150 D10-ACENAPHTHENE (INTERNAL)
32	0510 HEXACHLOROCYCLOPENTADIENE
33	0515 2,4,6-TRICHLOROPHENOL
34	0520 2,4,5-TRICHLOROPHENOL
35	0525 2-CHLORONAPHTHALENE
36	0530 2-NITROANILINE
37	0535 DIMETHYLPHTHALATE
38	0540 ACENAPHTHYLENE
39	0545 3-NITROANILINE
40	0550 ACENAPHTHENE
41	0555 2,4-DINITROPHENOL
42	0560 4-NITROPHENOL
43	0565 DIBENZOFURAN
44	0543 2,6-DINITROTOLUENE
45	0570 2,4-DINITROTOLUENE
46	0580 DIETHYLPHTHALATE
47	0585 4-CHLOROPHENYL PHENYL ETHER

001885

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	150	1193	11:50	1	1.000	A BB	80919.	40.000	UG/L	4.29
2	94	1121	11.07	1	0.940	A BB	586.	0.251	UG/L	0.03
3	NOT FOUND									
4	NOT FOUND									
5	NOT FOUND									
6	NOT FOUND									
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	45	1268	12:34	1	1.063	A BV	620.	0.183	UG/L	0.02
11	NOT FOUND									
12	76	1301	12.54	1	1.091	A*BB	106.	0.067	UG/L	0.01
13	NOT FOUND									
14	112	901	8.56	1	0.755	A BB	160705.	*118.595	%	12.73
15	98	1118	11:05	1	0.937	A BV	197898.	*128.613	%	13.80
16	124	1513	15:00	16	1.000	A BV	195842.	40.000	UG/L	4.29
17	77	1335	13:14	16	0.882	A BB	448.	0.196	UG/L	0.02
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	128	1519	15:03	16	1.003	A BB	228.	0.049	UG/L	0.01
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	142	1657	16:49	16	1.122	A BB	72.	0.025	UG/L	0.00
30	98	1335	13:14	16	0.882	A BV	132940.	110.337	%	11.84
31	162	1974	19:34	31	1.000	A BB	87992.	40.000	UG/L	4.29
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
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	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	172	1797	17:49	31	0.910	A BV	145486.	*132.437	%	14.21

Quantitation Report File: APR19GK04

Data: APR19GK04.TI
04/19/91 12:58:00
Sample: 90910 GPC CLP 1UL-1.0ML
Conds : 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
51	0355 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	1160 D10-PHENANTHRENE (INTERNAL)
53	0610 4,6-DINITRO-2-METHYLPHENOL
54	0625 4-BROMOPHENYL PHENYL ETHER
55	0670 HEXACHLOROBENZENE
56	0695 PENTACHLOROPHENOL
57	0741 PHENANTHRENE
58	0745 ANTHRACENE
59	0801 DI-N-BUTYLPHTHALATE
60	0815 FLUORANTHENE
61	0871 AZOBENZENE
62	0910 PYRENE
63	0915 N-NITROSODIPHENYLAMINE
64	1170 D12-CHRYSENE (INTERNAL)
65	0921 BUTYLBENZYLPHTHALATE
66	0931 3,3'-DICHLOROBENZIDINE
67	0951 BENZO(A)ANTHRACENE
68	0961 BIS(2-ETHYLHEXYL)PHTHALATE
69	0981 CHRYSENE
70	0991 O-TERPHENYL (SURROGATE)
71	1175 D12-PERYLENE (INTERNAL)
72	1021 DI-N-OCTYLPHTHALATE
73	1041 BENZO(B)FLUORANTHENE
74	1051 BENZO(K)FLUORANTHENE
75	1075 BENZO(A)PYRENE
76	1080 INDENO(1,2,3-CD)PYRENE
77	1085 DIBENZO(A,H)ANTHRACENE
78	1090 BENZO(G,H,I)PERYLENE

	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
[illegible]	2162	21:38	31	1.105	A BB	21560.	105.909 %	11.36
186	2361	23:24	52	1.000	A BV	132656.	40.000 UG/L	4.29
NOT FOUND								
NOT FOUND								
NOT FOUND								
NOT FOUND								
178	2367	23:28	52	1.003	A BB	544.	0.156 UG/L	0.02
178	2378	23:34	52	1.007	A BB	80.	0.022 UG/L	0.00
149	2521	24:59	52	1.068	A BB	904.	0.190 UG/L	0.02
202	2684	26:36	52	1.137	A BB	514.	0.166 UG/L	0.02
NOT FOUND								
202	2745	27:13	52	1.163	A BB	604.	0.196 UG/L	0.02
NOT FOUND								
240	3146	31:11	64	1.000	A BB	76990.	40.000 UG/L	4.29
149	2933	29:04	64	0.932	A BB	142.	0.080 UG/L	0.01

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	NOT	FOUND								
67	NOT	FOUND								
68	149	3167	31:23	64	1.007	A BB	250.	0.135	UG/L	0.01
69	228	3157	31:18	64	1.003	A BB	290.	0.149	UG/L	0.02
70	244	2784	27:36	64	0.885	A BB	106937.	94.258	%	10.11
71	264	4072	40:22	71	1.000	A BB	38435.	40.000	UG/L	4.29
72	NOT	FOUND								
73	NOT	FOUND								
74	NOT	FOUND								
75	NOT	FOUND								
76	NOT	FOUND								
77	NOT	FOUND								
78	NOT	FOUND								

Quantitation Report File: APR19GK04A

Data: APR19GK04.TI
04/19/91 12:58:00
Sample: 90910 GFC CL- 1UL-1.0ML
Conds: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.040
Resp fac. from Library Entry

No	CAS #	Name
1	79-00-5	ETHANE, 1,1,2-TRICHLORO-
2	14617-97-1	BUTYRIC ACID, M-NITROPHENYL ESTER
3	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
4	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
5	57266-86-1	2-HEPTENAL, (Z)-
6	1562-50-5	2-PENTENAL, 4-METHYL-
7	[illegible]	ETHANE, 1,1,2,2-TETRACHLORO-
8	564-94-6	3-HEXEN-2-ONE, 3,4-DIMETHYL-
9	1192-08-3	ETHANONE, 1-(1-HYDROXYCYCLOPENTYL)-
10	[illegible]	2(5H)-FURANONE, 5,5-DIMETHYL-
11	[illegible]	2-BUTENE, 5-(PENTYLOXY)-, (E)-
12	[illegible]	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
13	[illegible]	1,2-CYCLOPENTANEDIOL, 1-(1-METHYLETHYL)-, TRANS-
14	[illegible]	3-HEXEN-2-ONE, 5-METHYL-
15	[illegible]	2-BUTANOL, 3-METHYL-, ACETATE
16	[illegible]	1,4-HEXADIEN-1-OL
17	[illegible]	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
18	[illegible]	1-HEXENE, 3,4,5-TRIMETHYL-
19	[illegible]	HYDROXYLAMINE, O-DECYL-
20	[illegible]	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST

No	[illegible]	[illegible]	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	[illegible]	[illegible]	[illegible]	4	0.784	A BV	11298. UNK	0.030	0.53
2	[illegible]	[illegible]	[illegible]	4	0.938	A BB	19300 UNK	0.052B	0.91
3	[illegible]	[illegible]	[illegible]	4	0.945	A BB	15436 HC	0.041	0.73
4	[illegible]	[illegible]	[illegible]	4	1.000	A BB	1497120. thiol	4.000BA	70.70
5	[illegible]	[illegible]	[illegible]	4	1.051	A BB	28333. UNK	0.076	1.34
6	[illegible]	[illegible]	[illegible]	4	1.167	A BB	17493. UNK	0.047	0.83
7	[illegible]	[illegible]	[illegible]	4	1.202	A BB	25326. Below	0.068B	1.20
8	[illegible]	1123	10 18	4	1.251	A BB	38821. UNK	0.104B	1.83
9	[illegible]	1150	10 24	4	1.284	A VB	10053. UNK	0.027B	0.47
10	[illegible]	1162	10 32	4	1.300	A BB	25039. UNK	0.067	1.18
11	[illegible]	1194	10 51	4	1.337	A VV	15774. UNK	0.042	0.74
12	[illegible]	1124	11 11	4	1.380	A VB	27389. UNK	0.073B	1.29
13	[illegible]	1148	11 22	4	1.403	A BB	20856. UNK	0.056B	0.98
14	[illegible]	1162	11 32	4	1.422	A BB	15507. UNK	0.041	0.73
15	[illegible]	1174	11 38	4	1.435	A BV	195505. UNK	0.522B	9.23
16	[illegible]	1212	12 01	4	1.482	A BB	25182. UNK	0.067	1.19
17	[illegible]	1221	12 06	4	1.493	A VV	43502. UNK	0.116B	2.05
18	[illegible]	1254	12 25	4	1.533	A BB	52534. UNK	0.140	2.48
19	[illegible]	1271	12 35	4	1.554	A BV	19408. UNK	0.052	0.92
20	[illegible]	2418	23 55	4	2.956	A BB	13838 Misc Phth	0.037	0.65

$\frac{1497120}{4930000} \times 40 \times \frac{1}{30.25} \times \frac{1}{100} = 0.040$

Tetrachloro Ethane #7

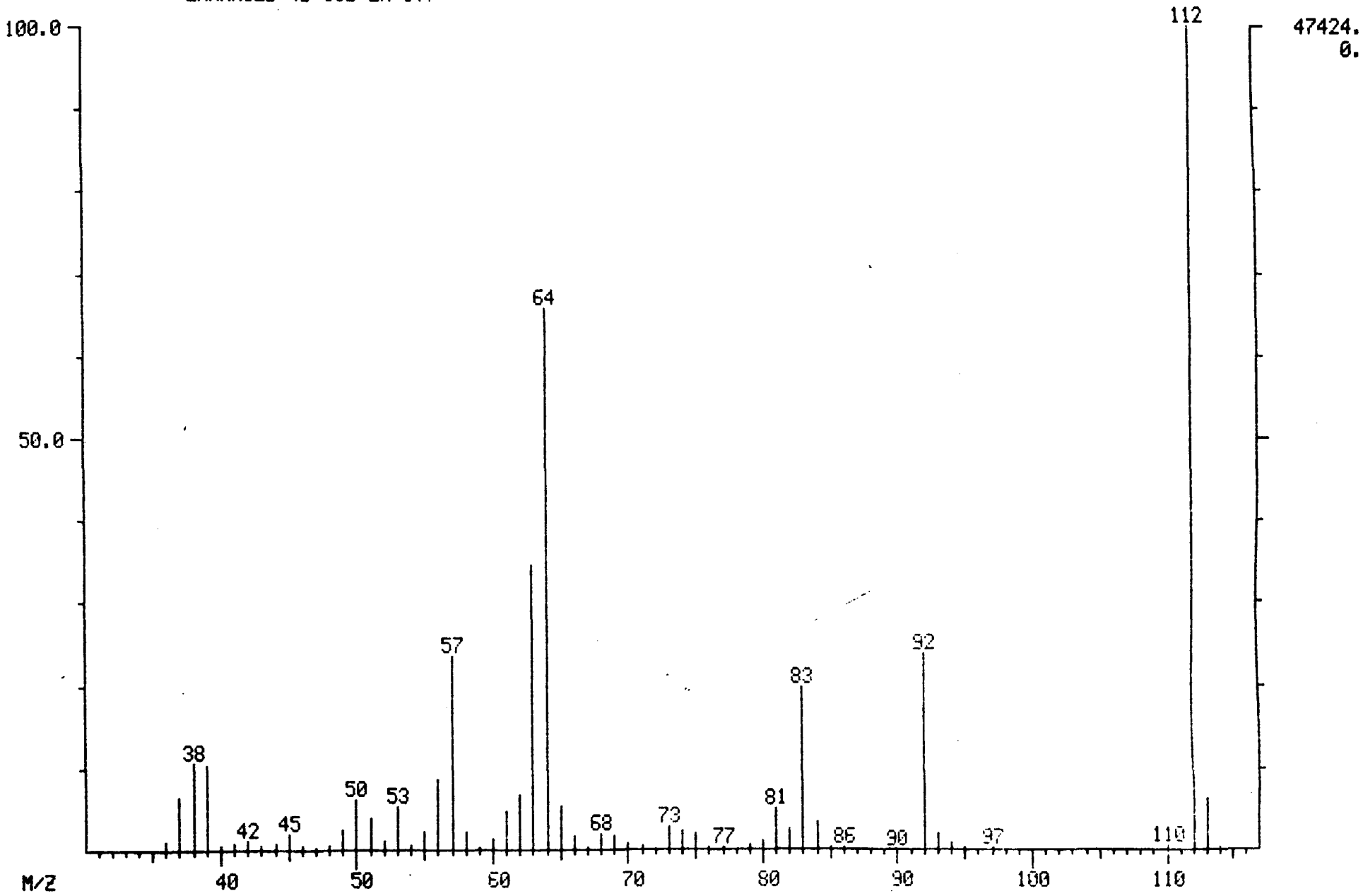
001999

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 12:58:00 + 8:56
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #901
CALI: APR19GK04 #3

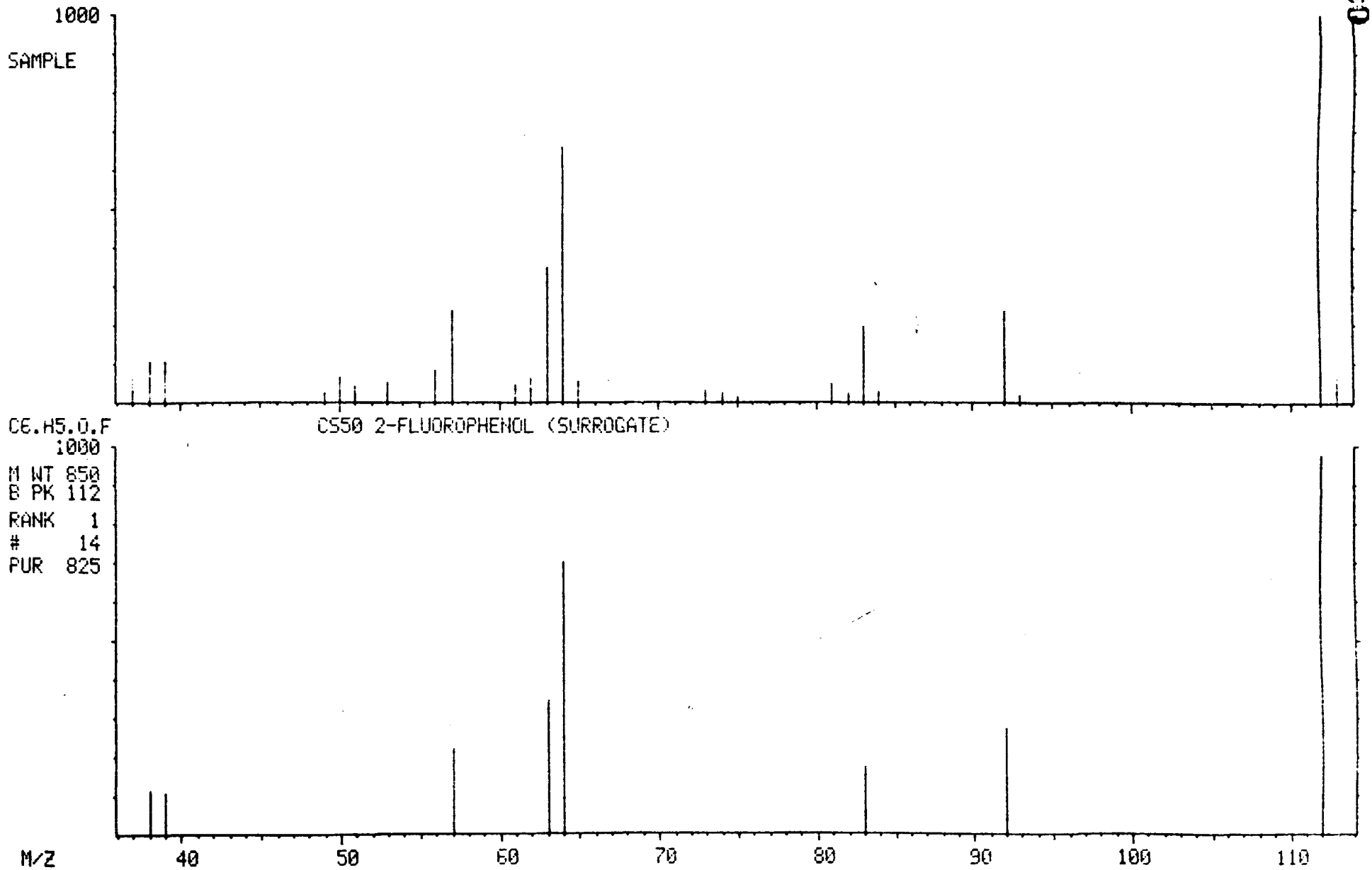
BASE M/Z: 112
RIC: 185600.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 8:56
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 901
CALI: APR19GK04 # 3

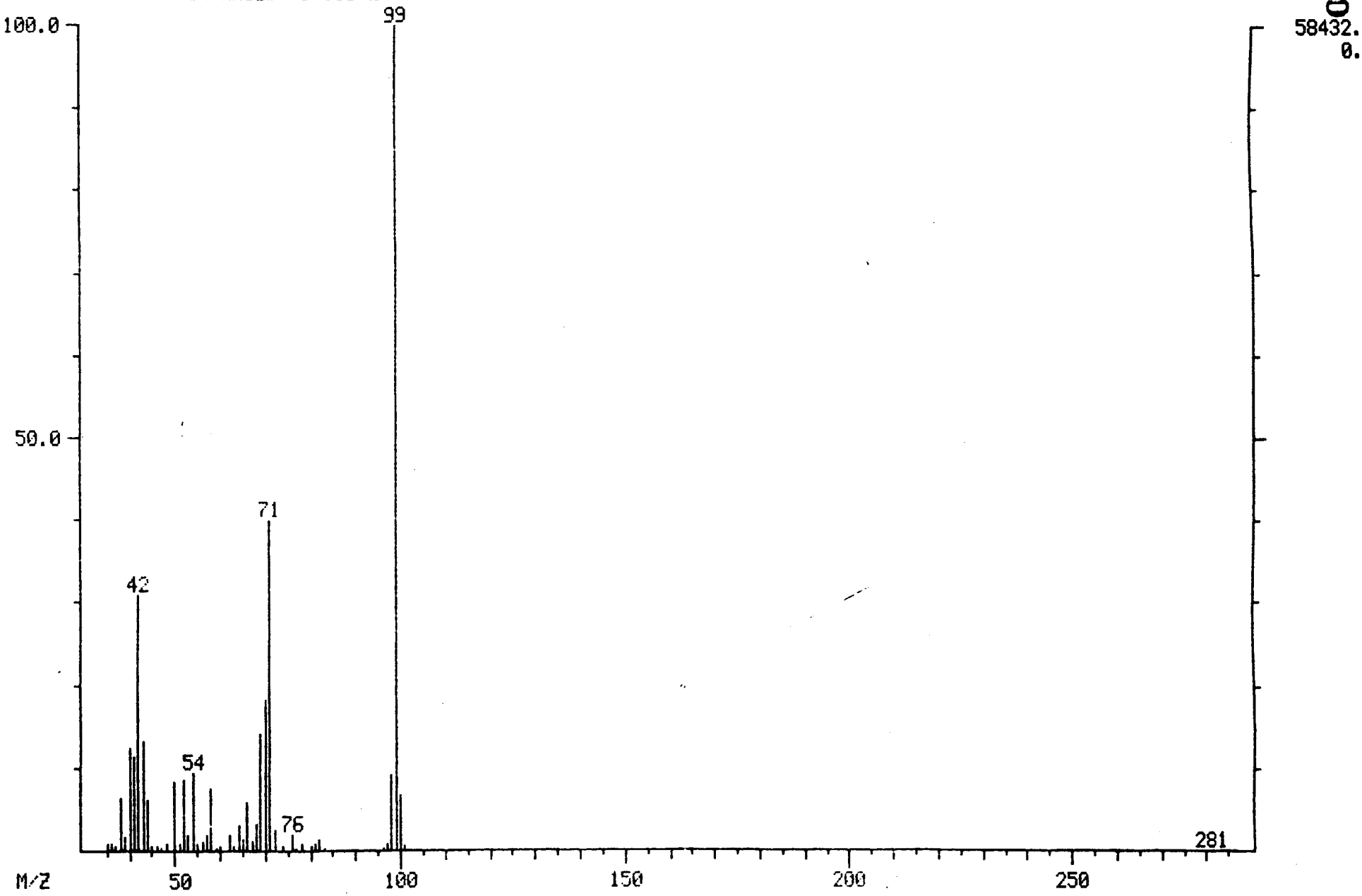
BASE M/Z: 112
RIC: 172544.



MASS SPECTRUM
04/19/91 12:58:00 + 11:05
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1118
CALI: APR19GK04 #3

BASE M/Z: 99
RIC: 200192.

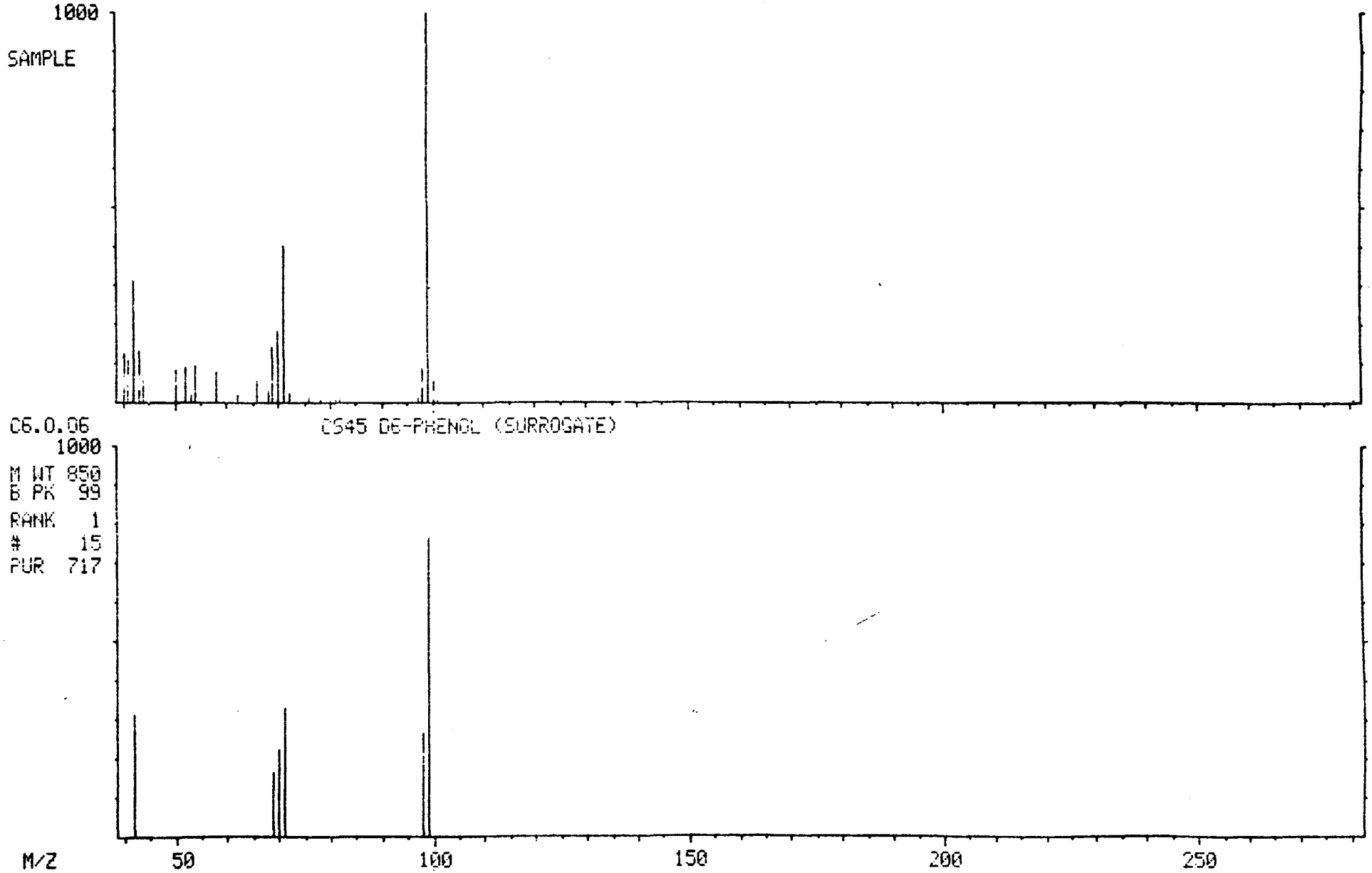


003003

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 11:05
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1118
CALI: APR19GK04 # 3

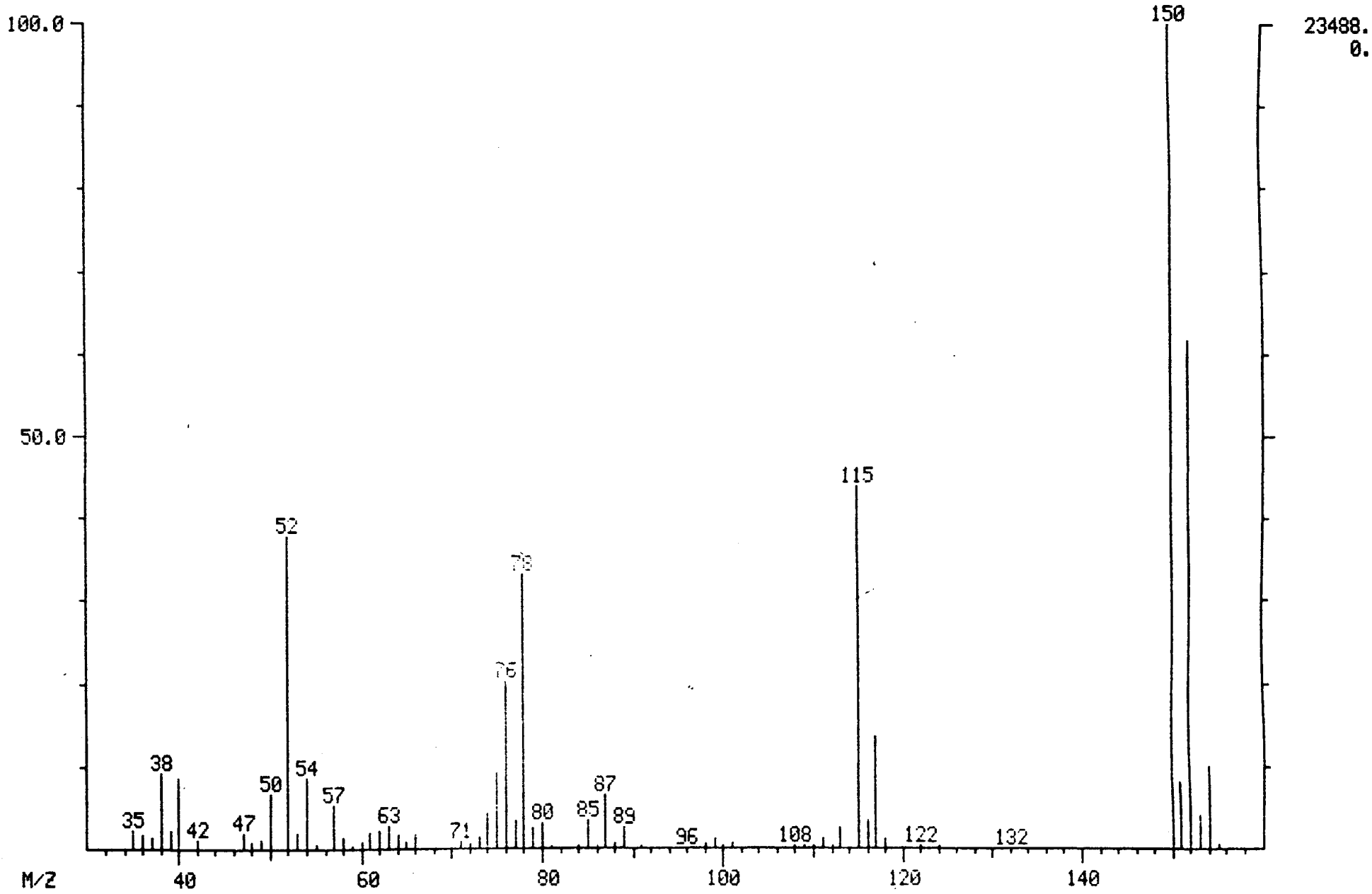
BASE M/Z: 99
RIC: 186112.



MASS SPECTRUM
04/19/91 12:58:00 + 11:50
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1193
CALI: APR19GK04 #3

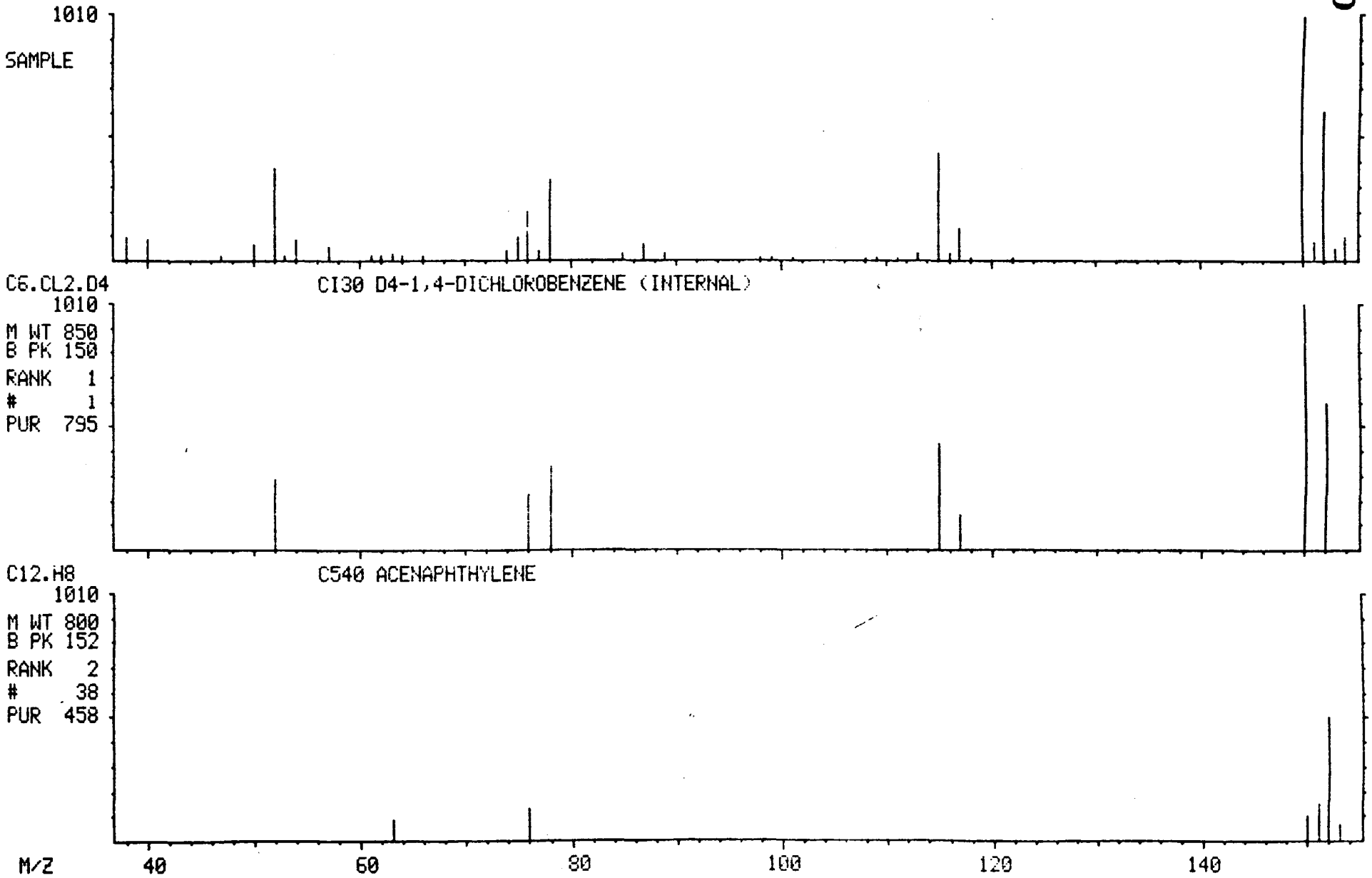
BASE M/Z: 150
RIC: 106112.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 11:50
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1193
CALI: APR19GK04 # 3

BASE M/Z: 150
RIC: 99840.

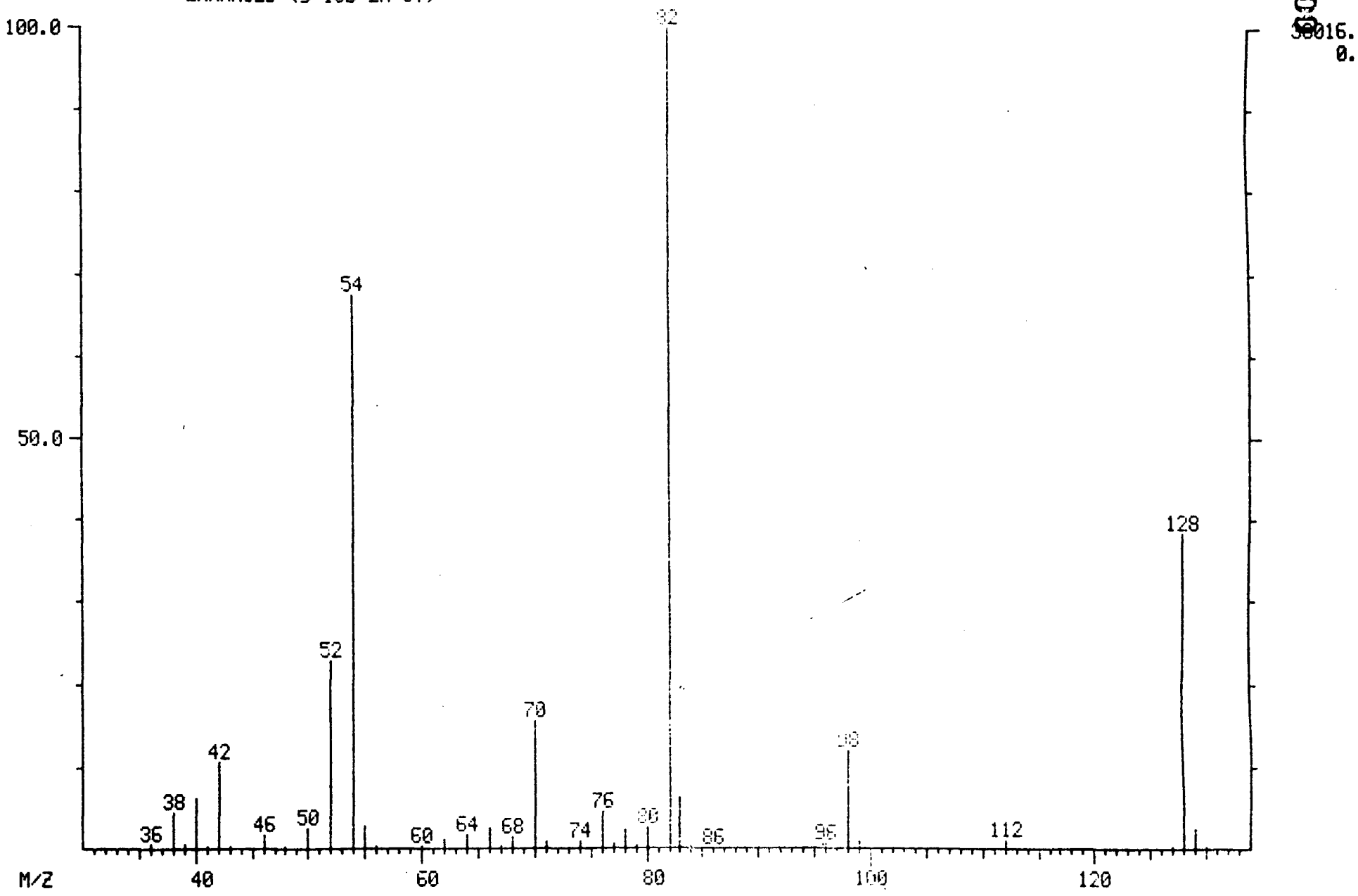


000300

MASS SPECTRUM
04/19/91 12:58:00 + 13:14
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1335
CALI: APR19GK04 #3

BASE M/Z: 82
RIC: 120704.

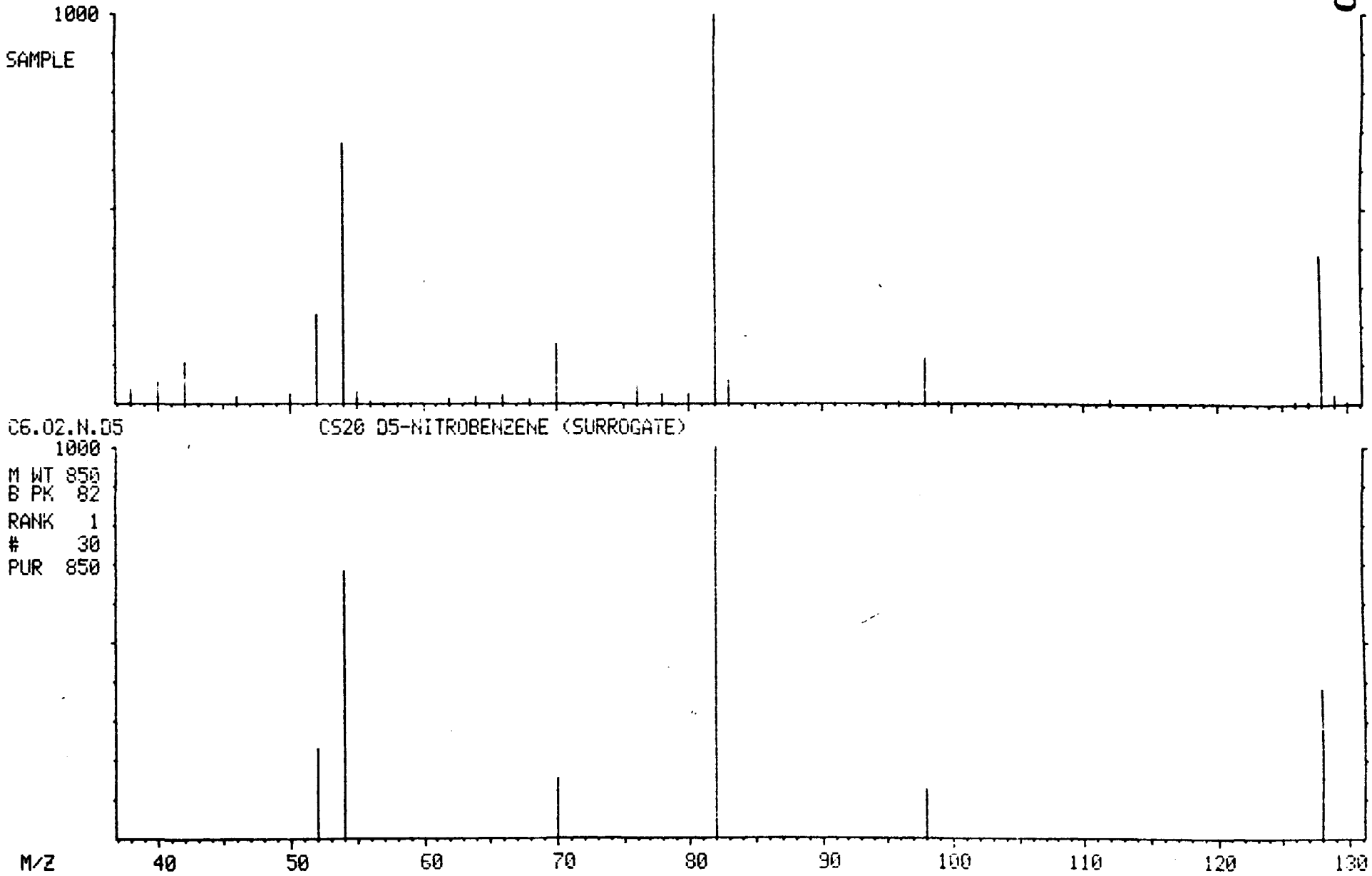


000007

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 13:14
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1335
CALI: APR19GK04 # 3

BASE M/Z: 82
RIC: 118656.

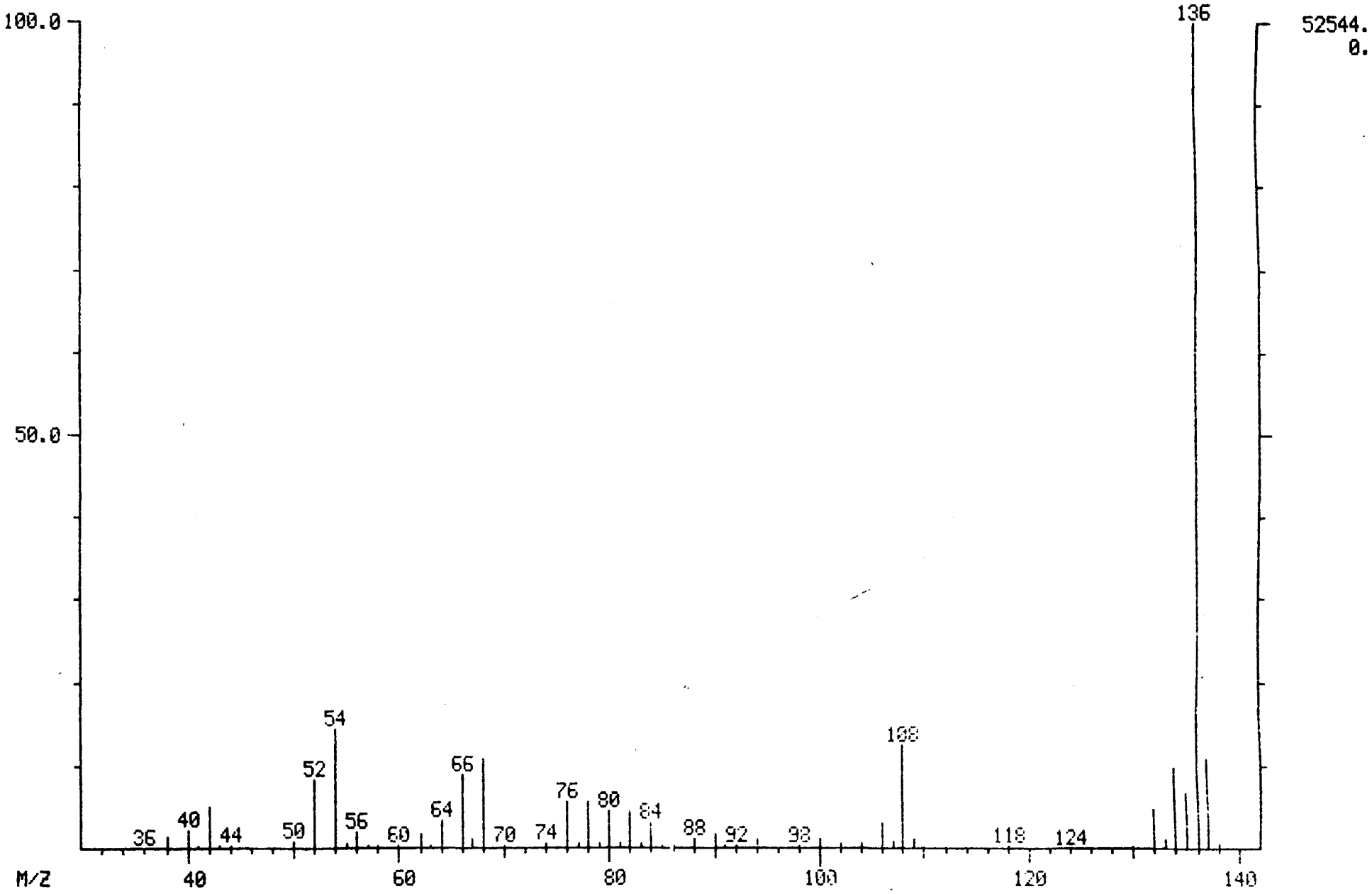


MASS SPECTRUM
04/19/91 12:58:00 + 15:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1513
CALI: APR19GK04 #3

BASE M/Z: 136
RIC: 129792.

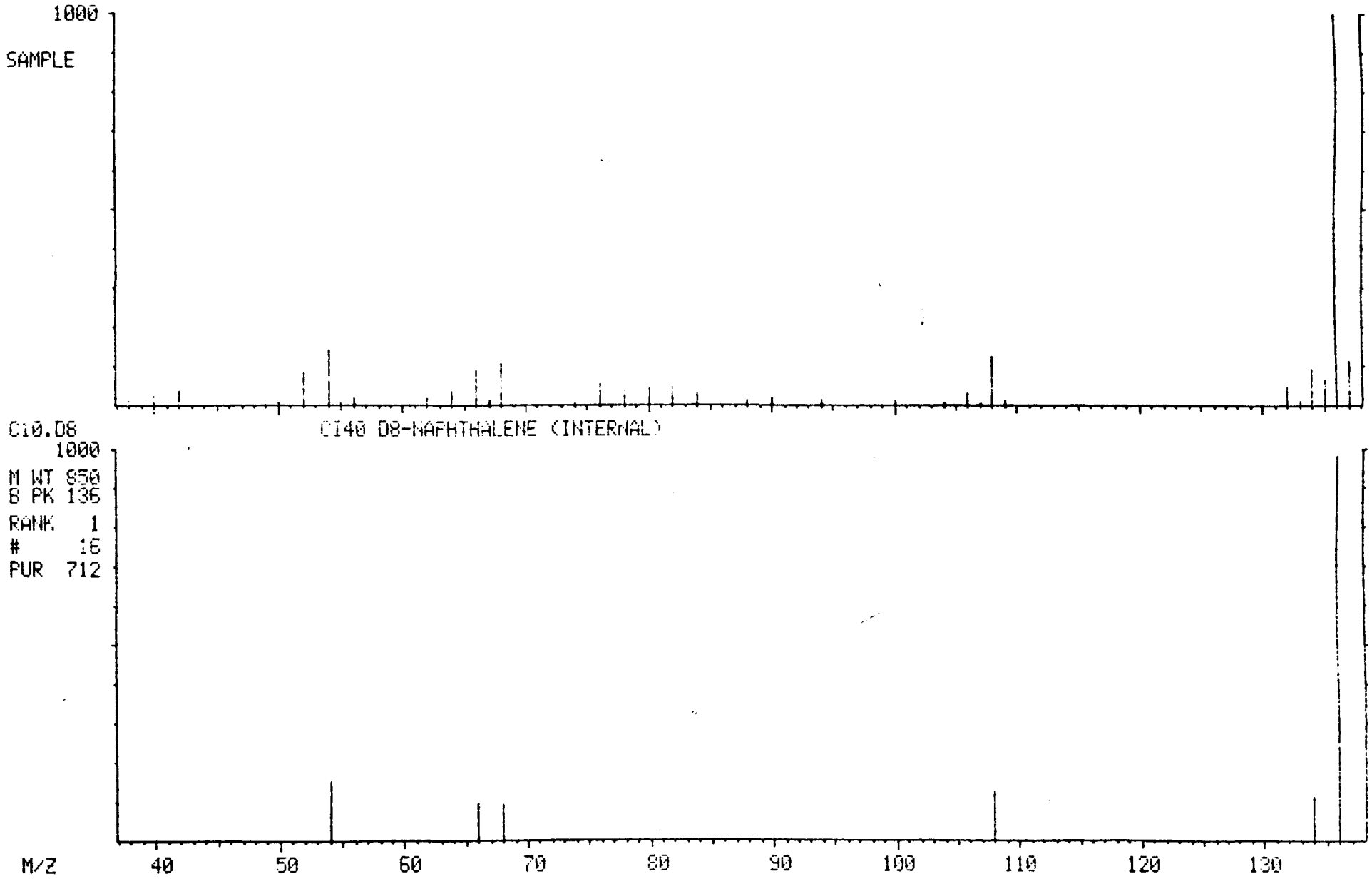
002069



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 15:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1513
CALI: APR19GK04 # 3

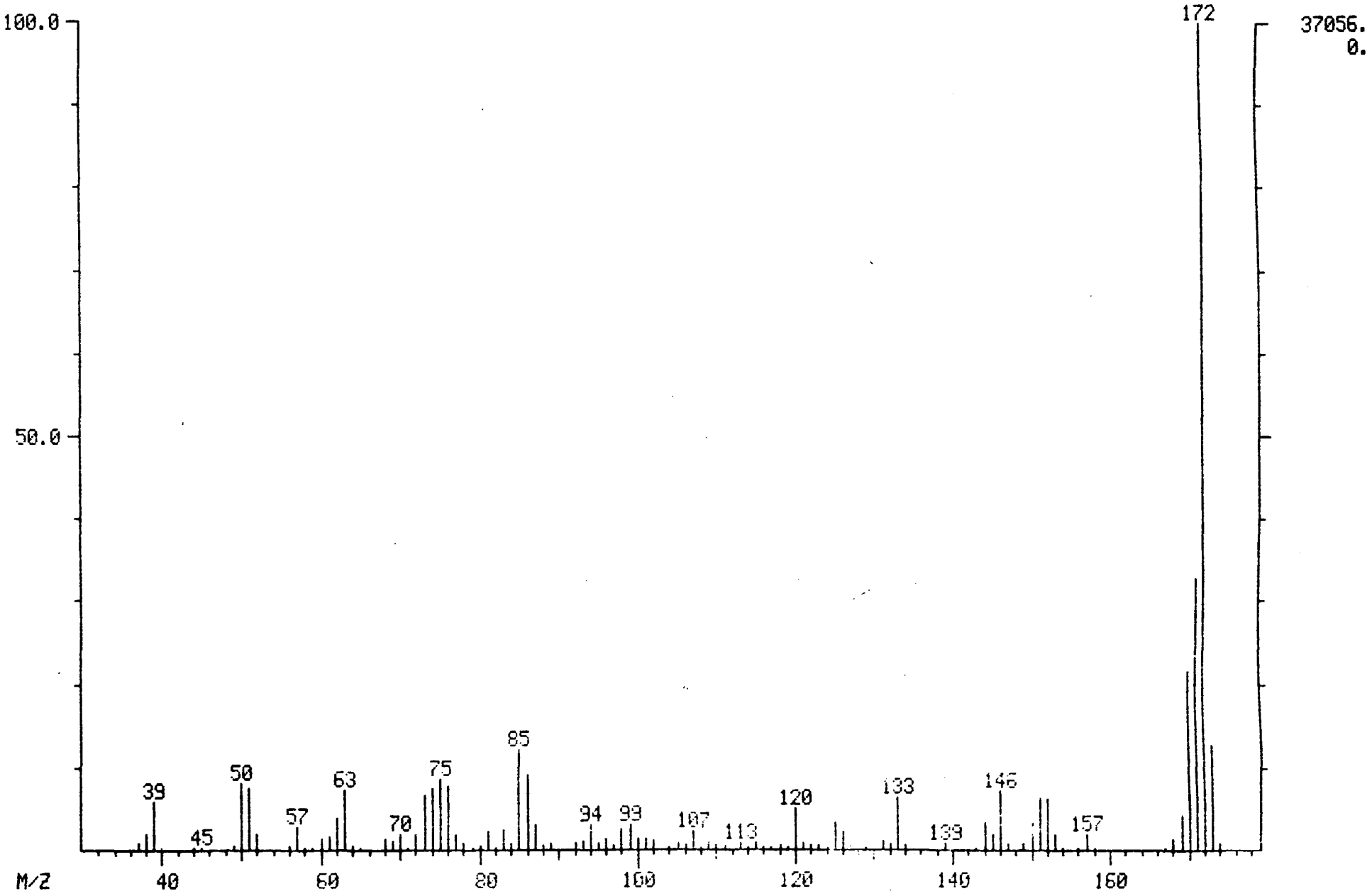
BASE M/Z: 136
RIC: 125824.



MASS SPECTRUM
04/19/91 12:58:00 + 17:49
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1797
CALI: APR19GK04 #3

BASE M/Z: 172
RIC: 140544.

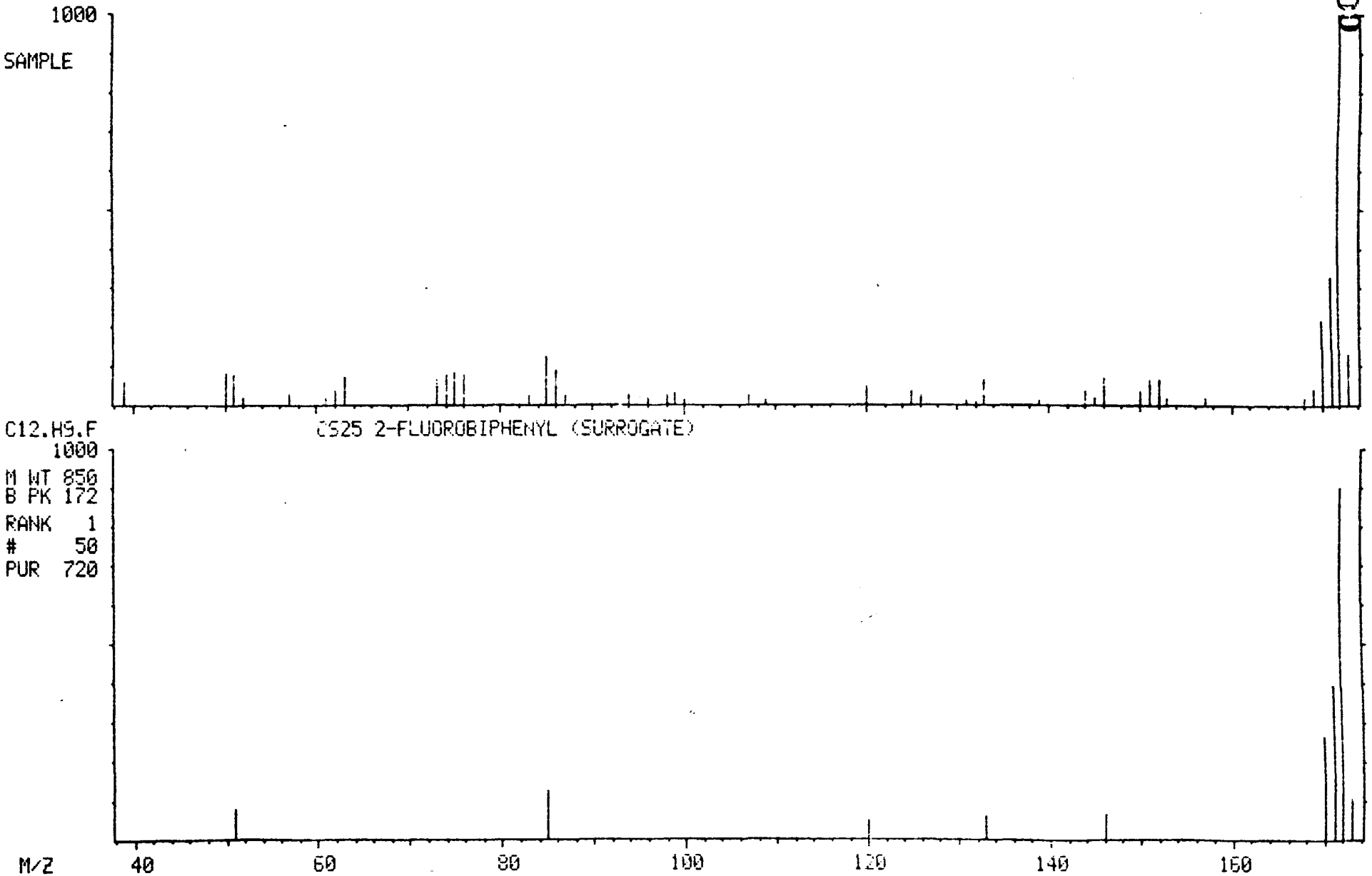


000011

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 17:49
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1797
CALI: APR19GK04 # 3

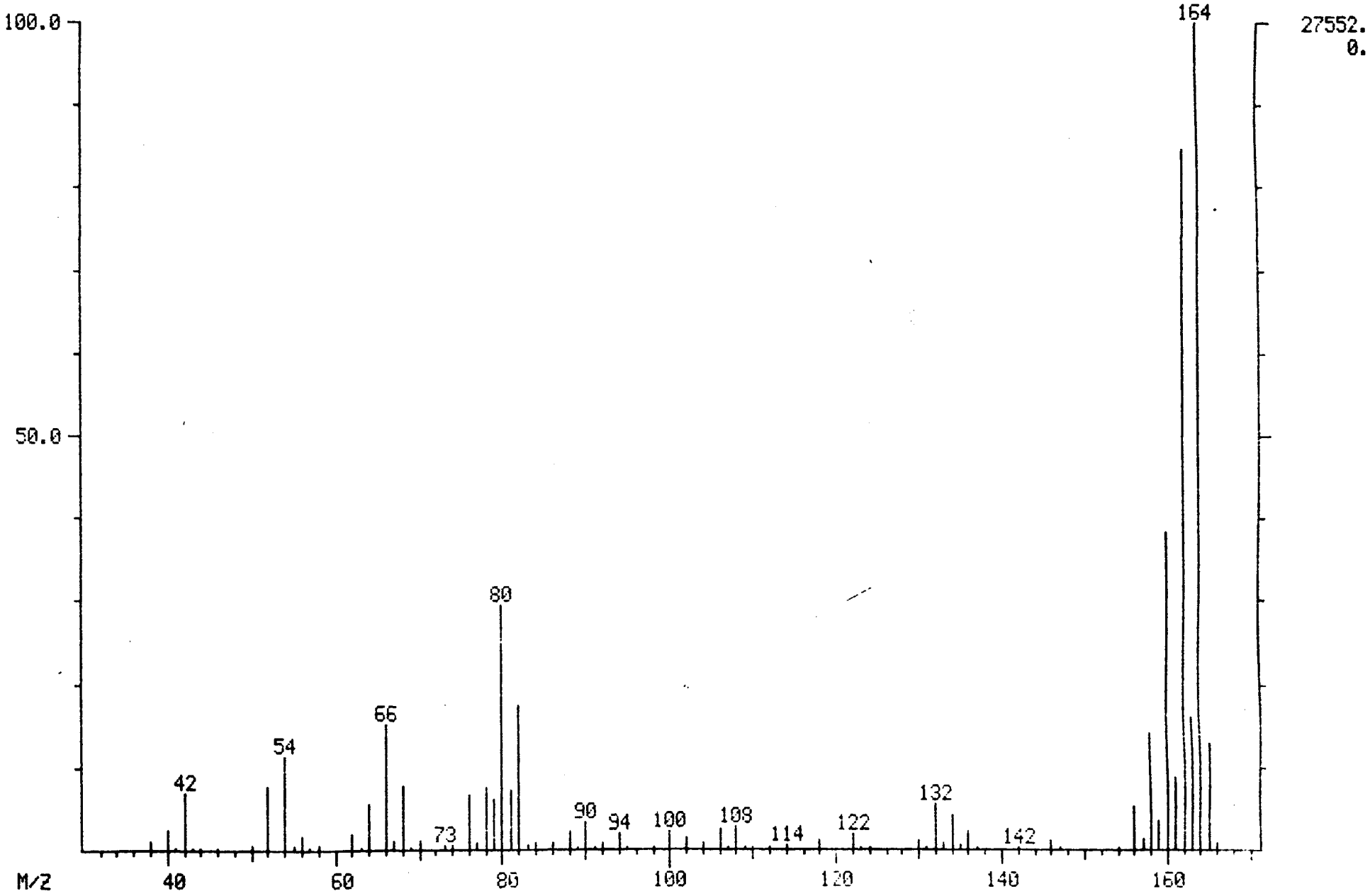
BASE M/Z: 172
RIC: 124416.



MASS SPECTRUM
04/19/91 12:58:00 + 19:34
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1974
CALI: APR19GK04 #3

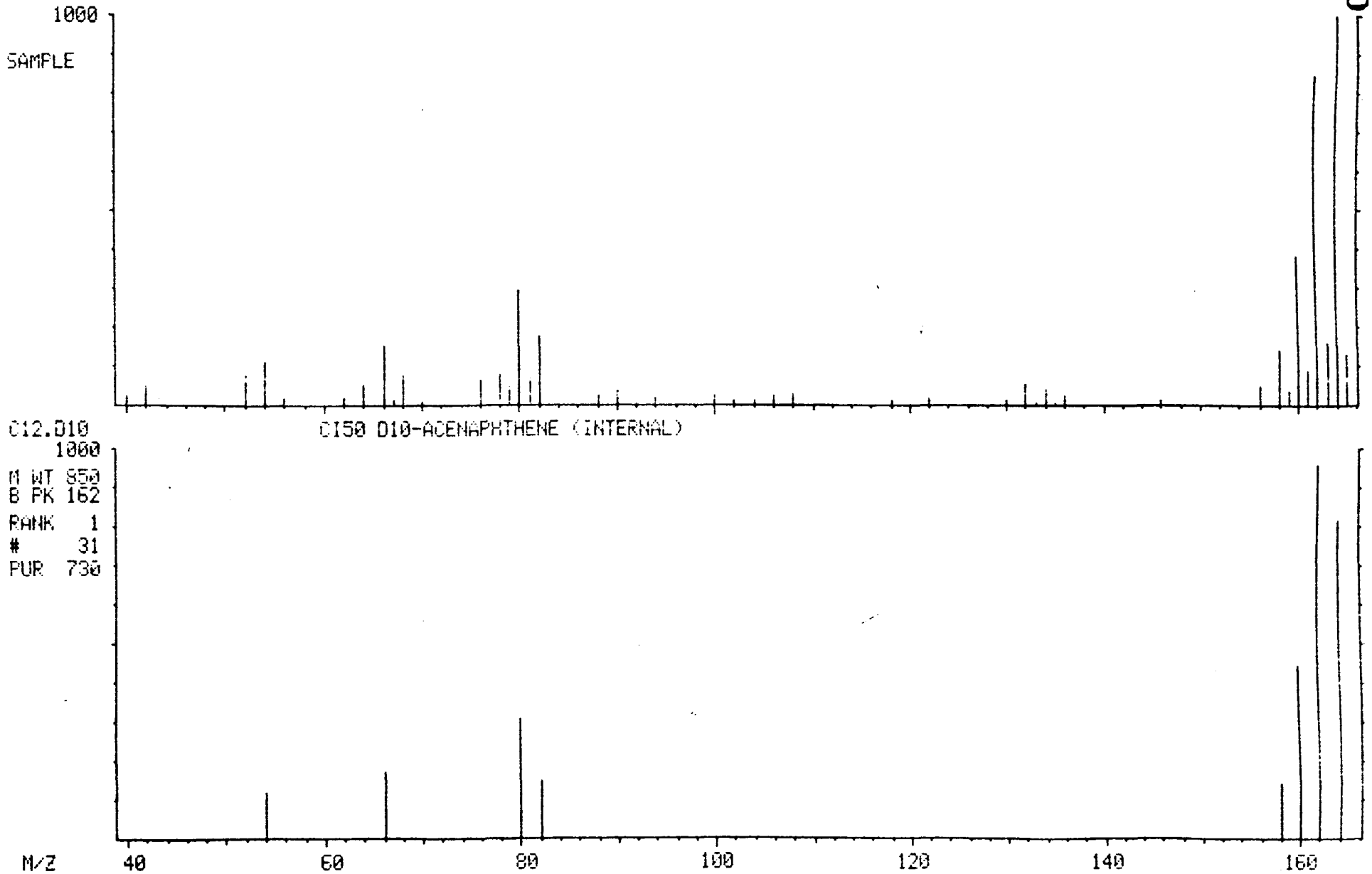
BASE M/Z: 164
RIC: 130432.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 19:34
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1974
CALI: APR19GK04 # 3

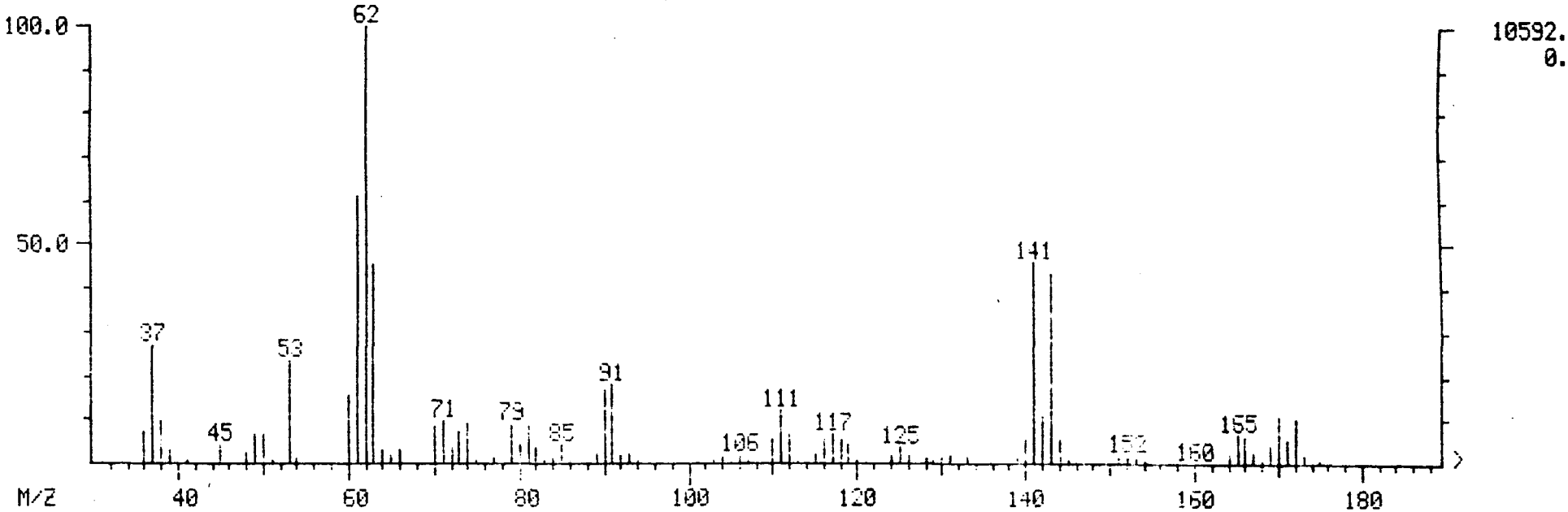
BASE M/Z: 164
RIC: 126080.

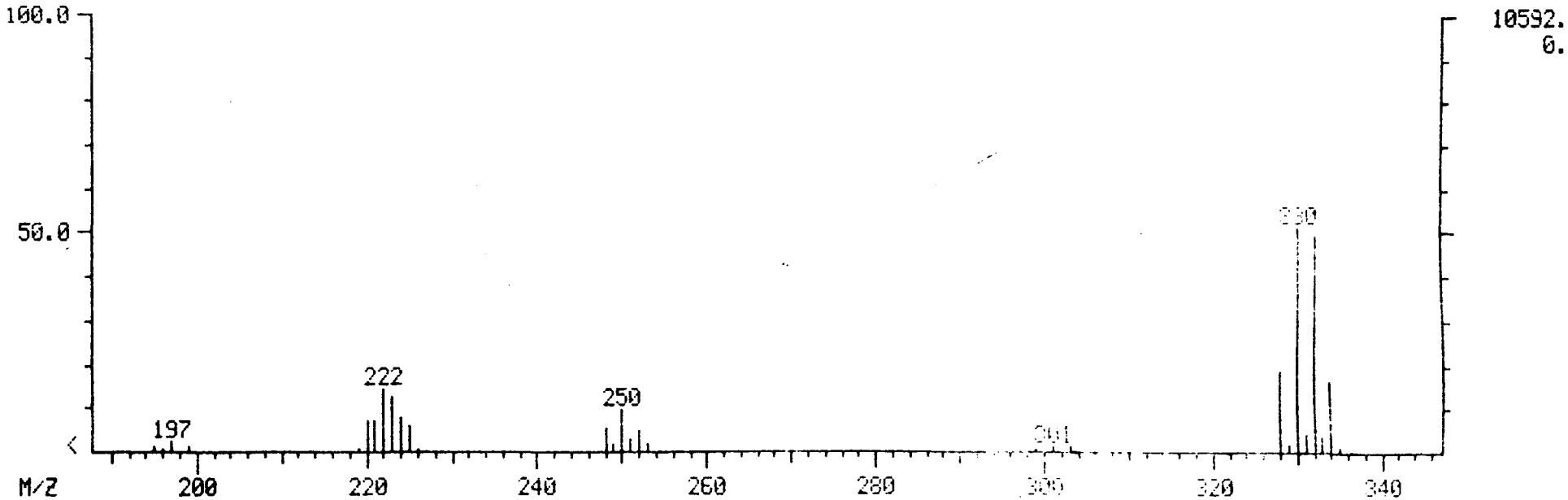


MASS SPECTRUM
04/19/91 12:58:00 + 21:38
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2182
CALI: APR19GK04 #3

BASE M/Z: 62
RIC: 97536.

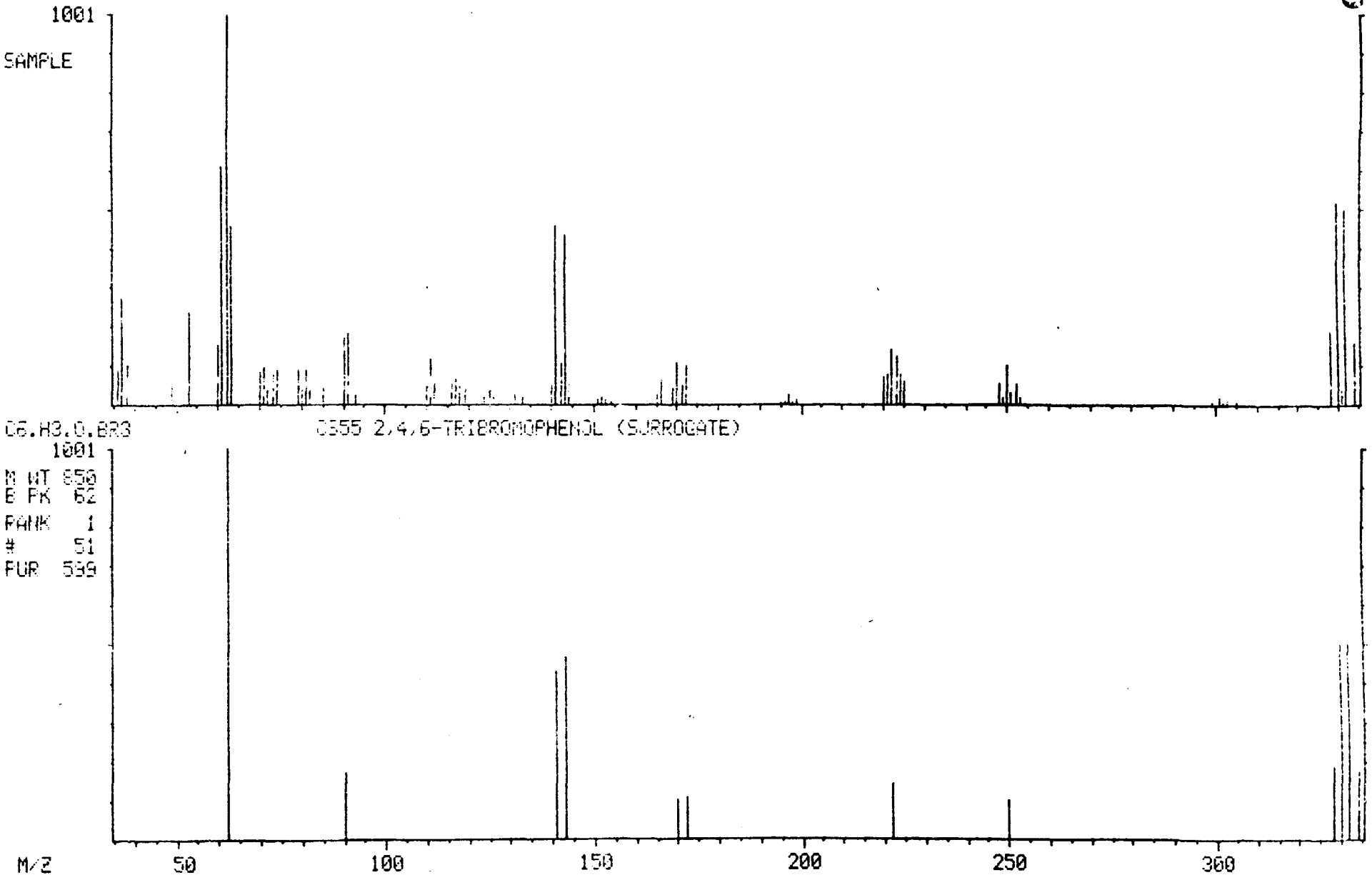




MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 21:38
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2182
CALI: APR19GK04 # 3

BASE M/Z: 62
RIC: 91264.

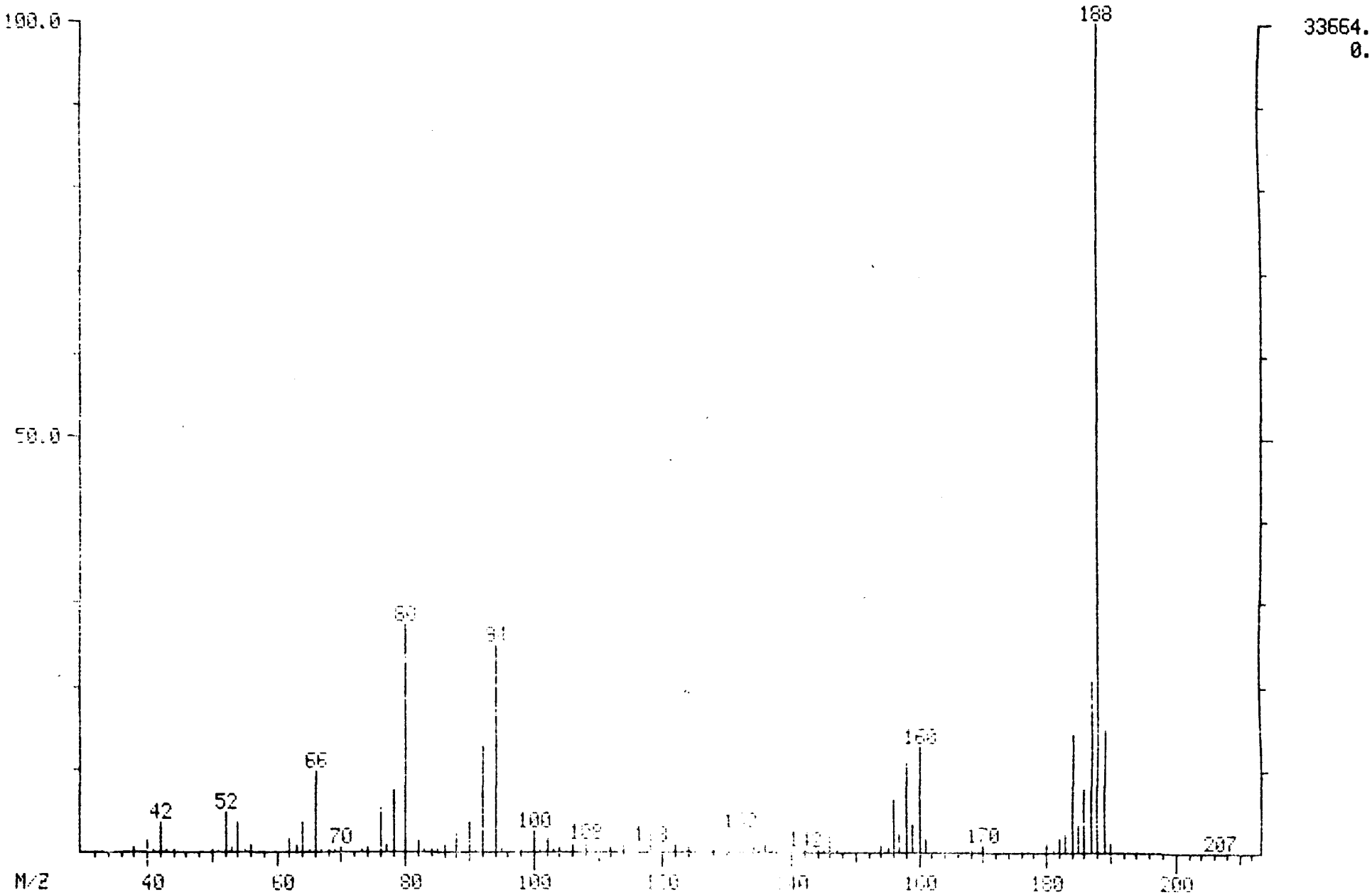


MASS SPECTRUM
04/19/91 12:58:00 + 23:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 152 2N 0T)

DATA: APR19GK04 #2361
CALI: APR19GK04 #3

BASE M/Z: 188
RIC: 118912.

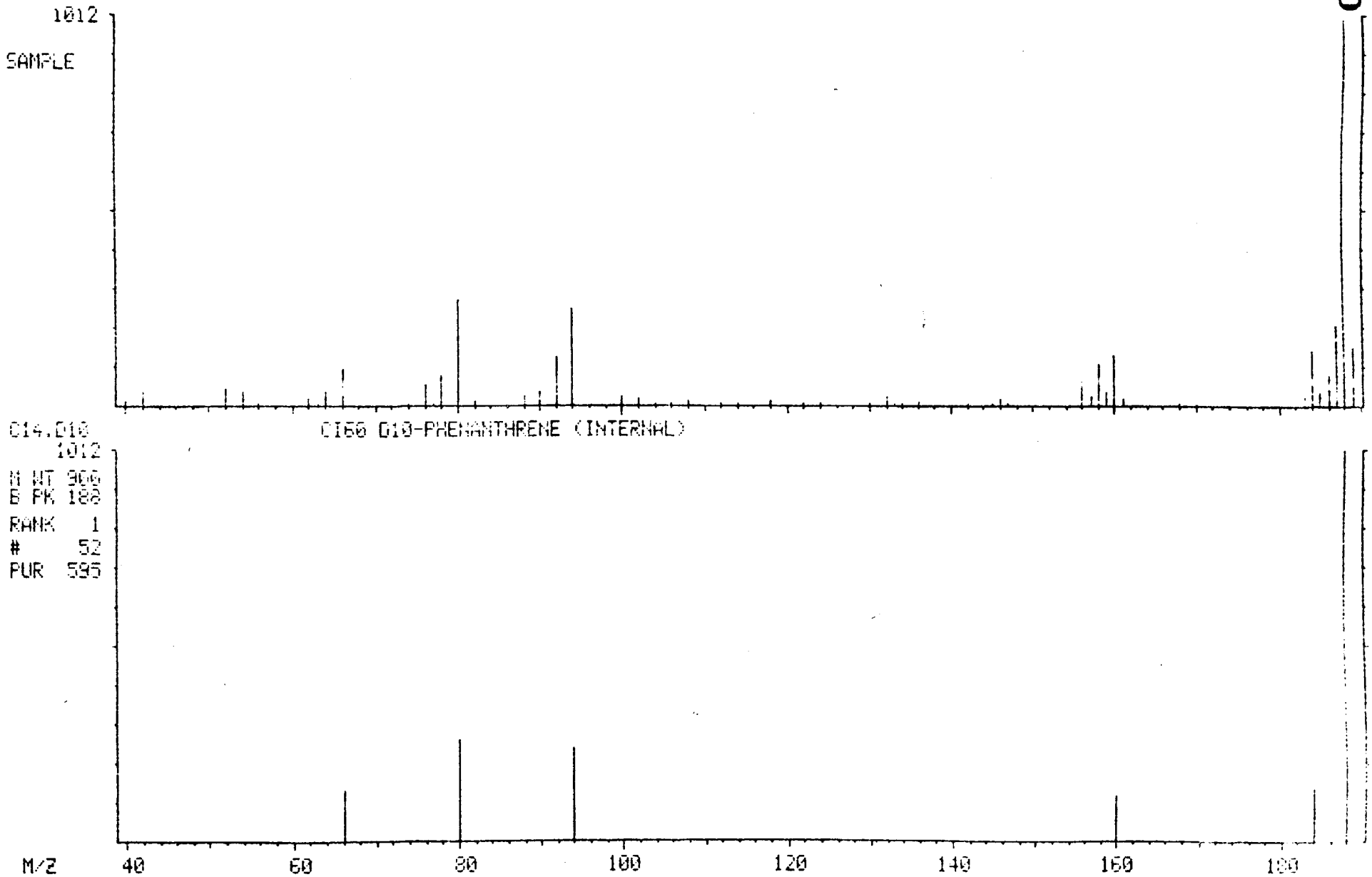
002017



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 23:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2361
CALI: APR19GK04 # 3

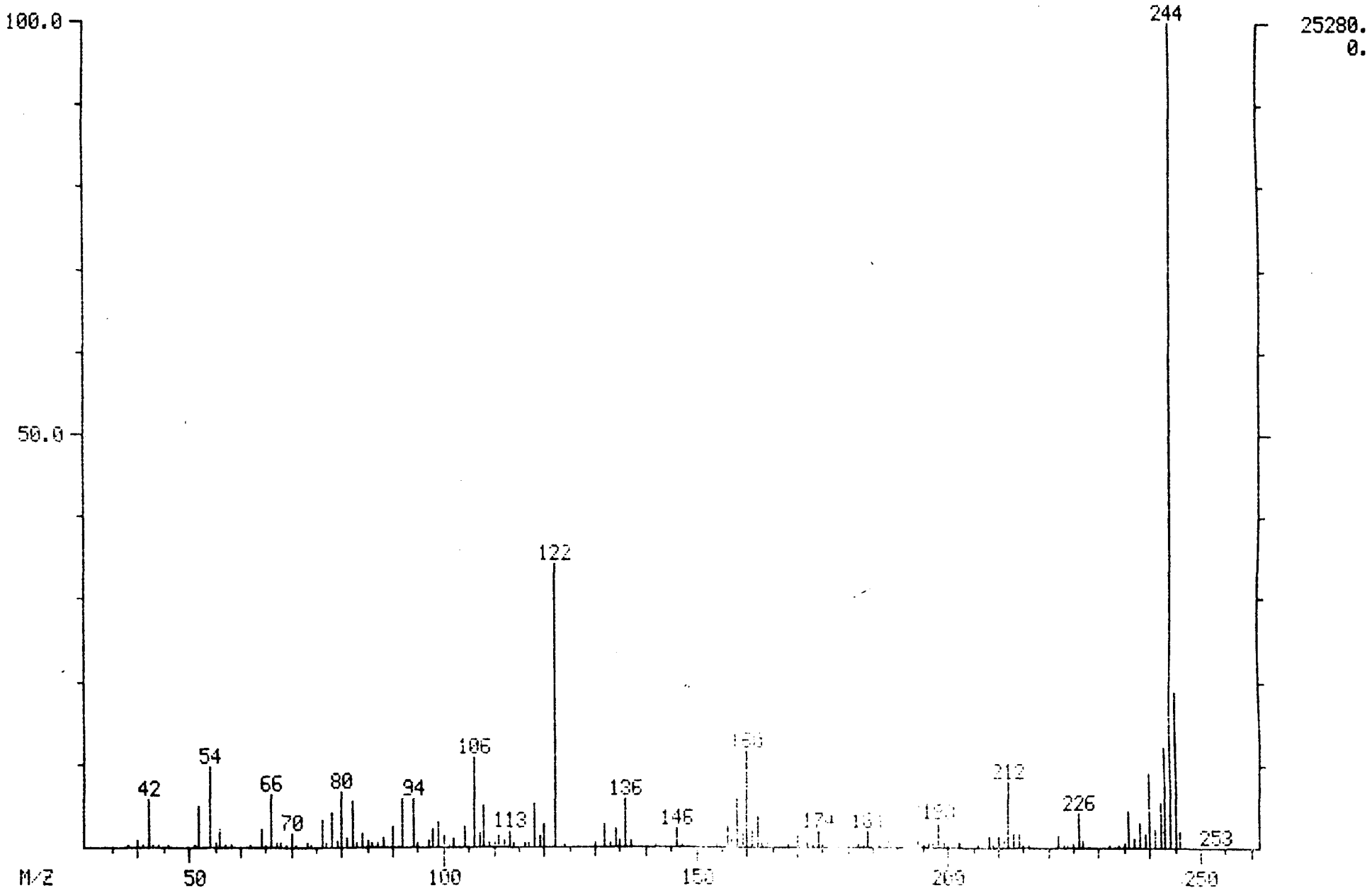
BASE M/Z: 188
RIC: 113408.



MASS SPECTRUM
04/19/91 12:58:00 + 27:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GR01 #2784
CALI: APR19GR01 #3

BASE M/Z: 244
RIC: 103296.



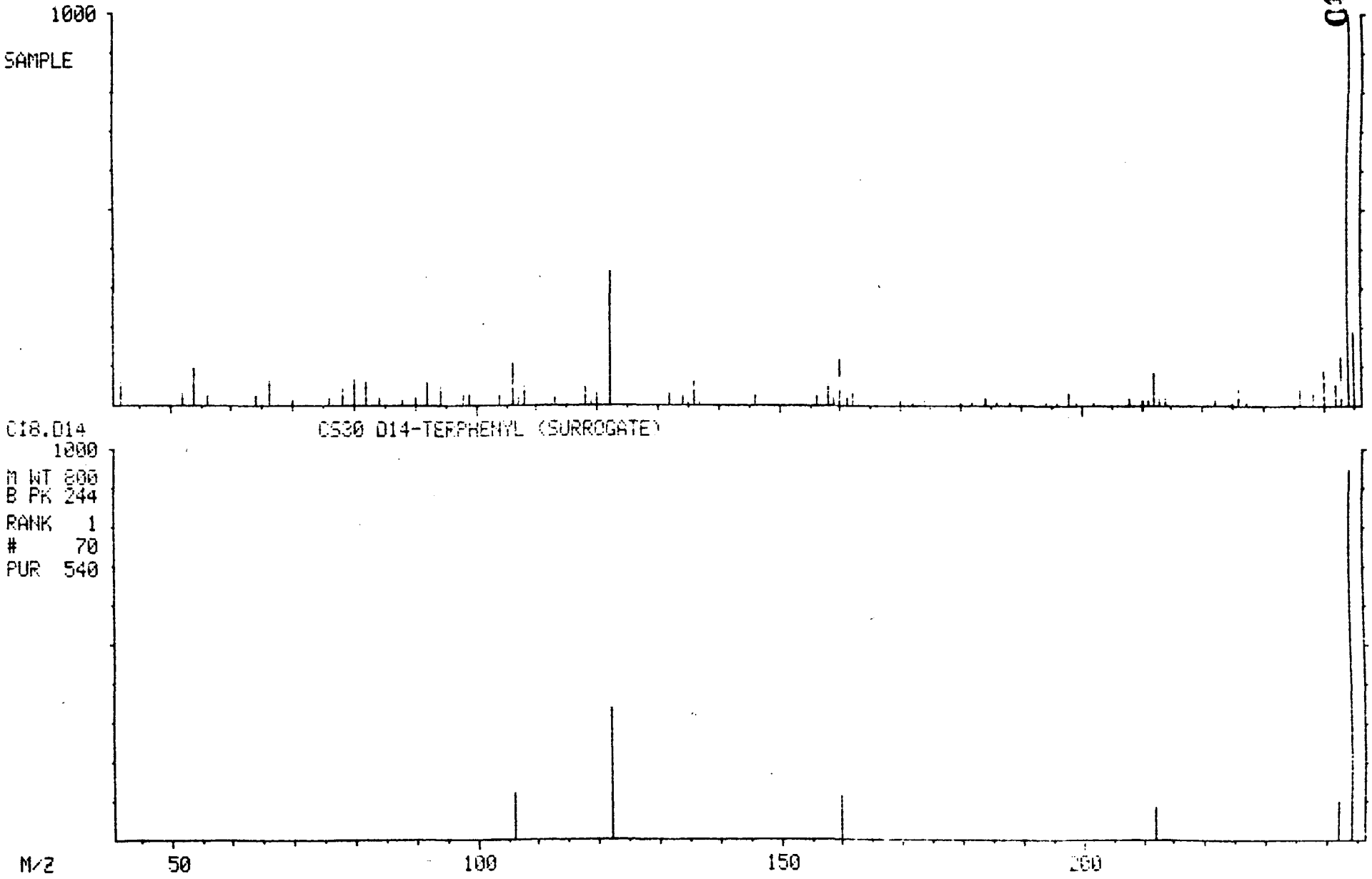
C12200

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 27:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2784
CALI: APR19GK04 # 3

BASE M/Z: 244
RIC: 93568.

020230

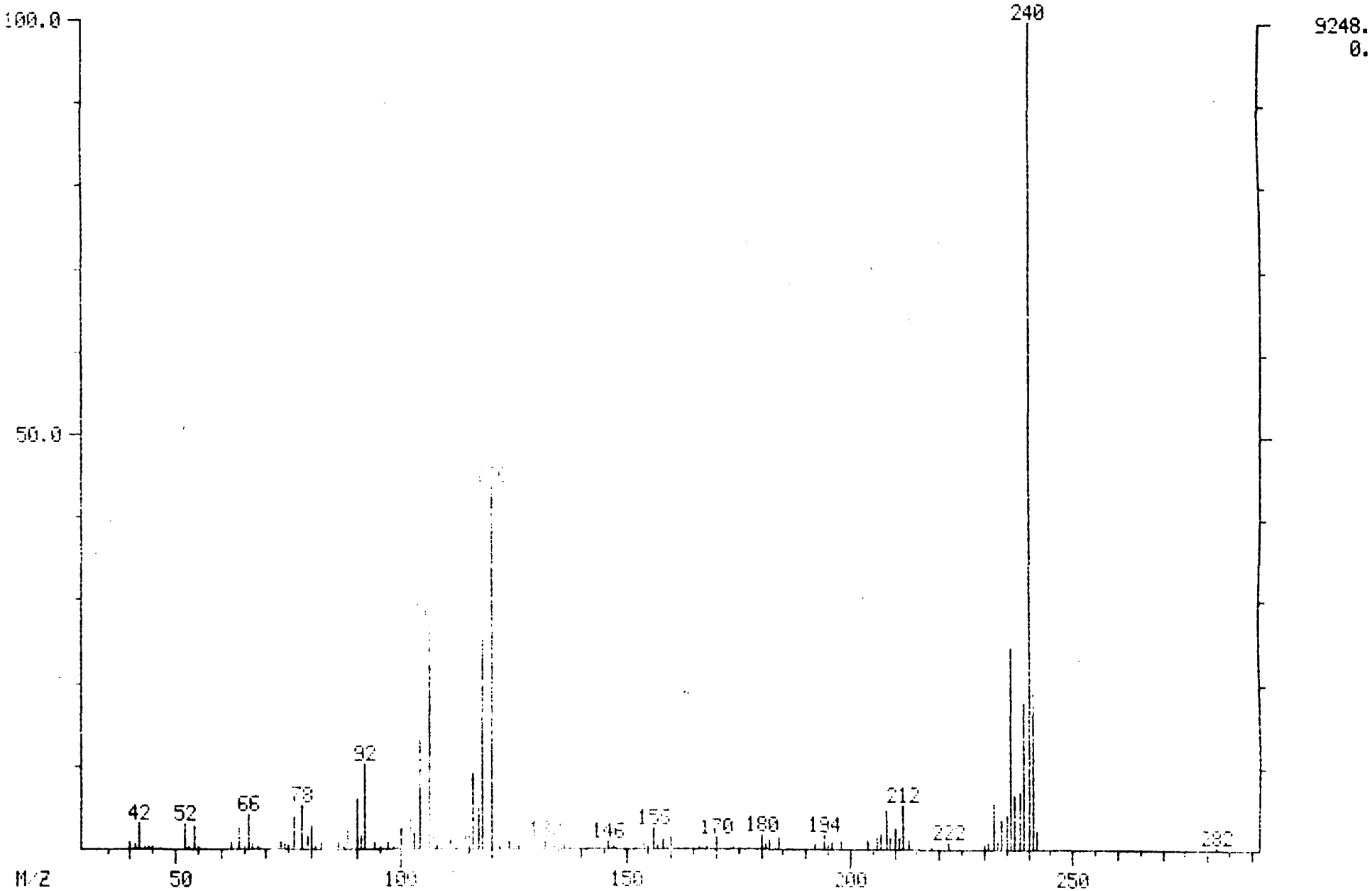


MASS SPECTRUM
04/19/91 12:58:00 + 31:11
SAMPLE: 90S10 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (E 15B 2A ET)

DATA: APR19GK04 #3146
CALI: APR19GK04 #3

BASE M/Z: 240
RIC: 40768.

002021

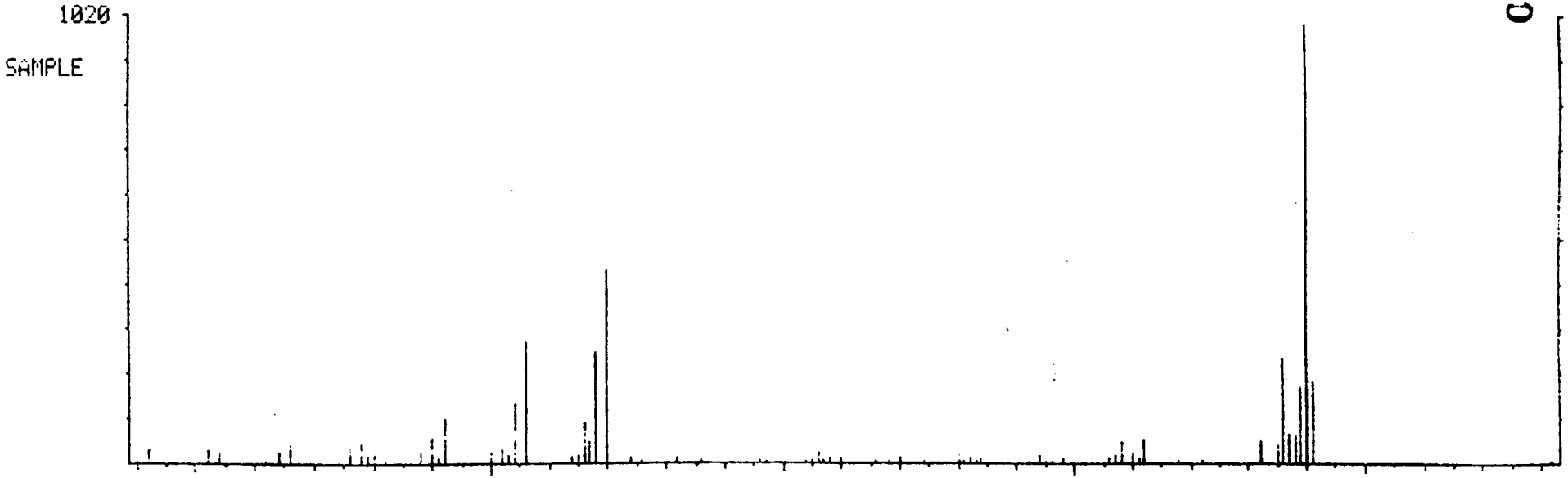


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 31:11
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

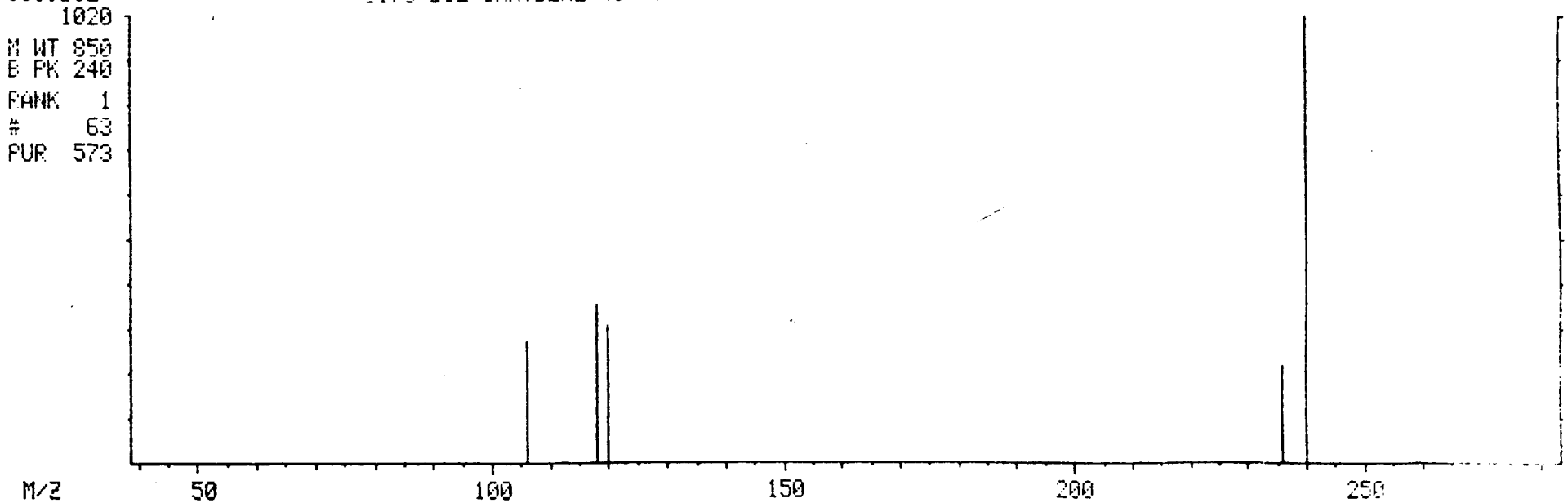
DATA: APR19GK04 #3146
CALI: APR19GK04 # 3

BASE M/Z: 240
RIC: 38144.

002022



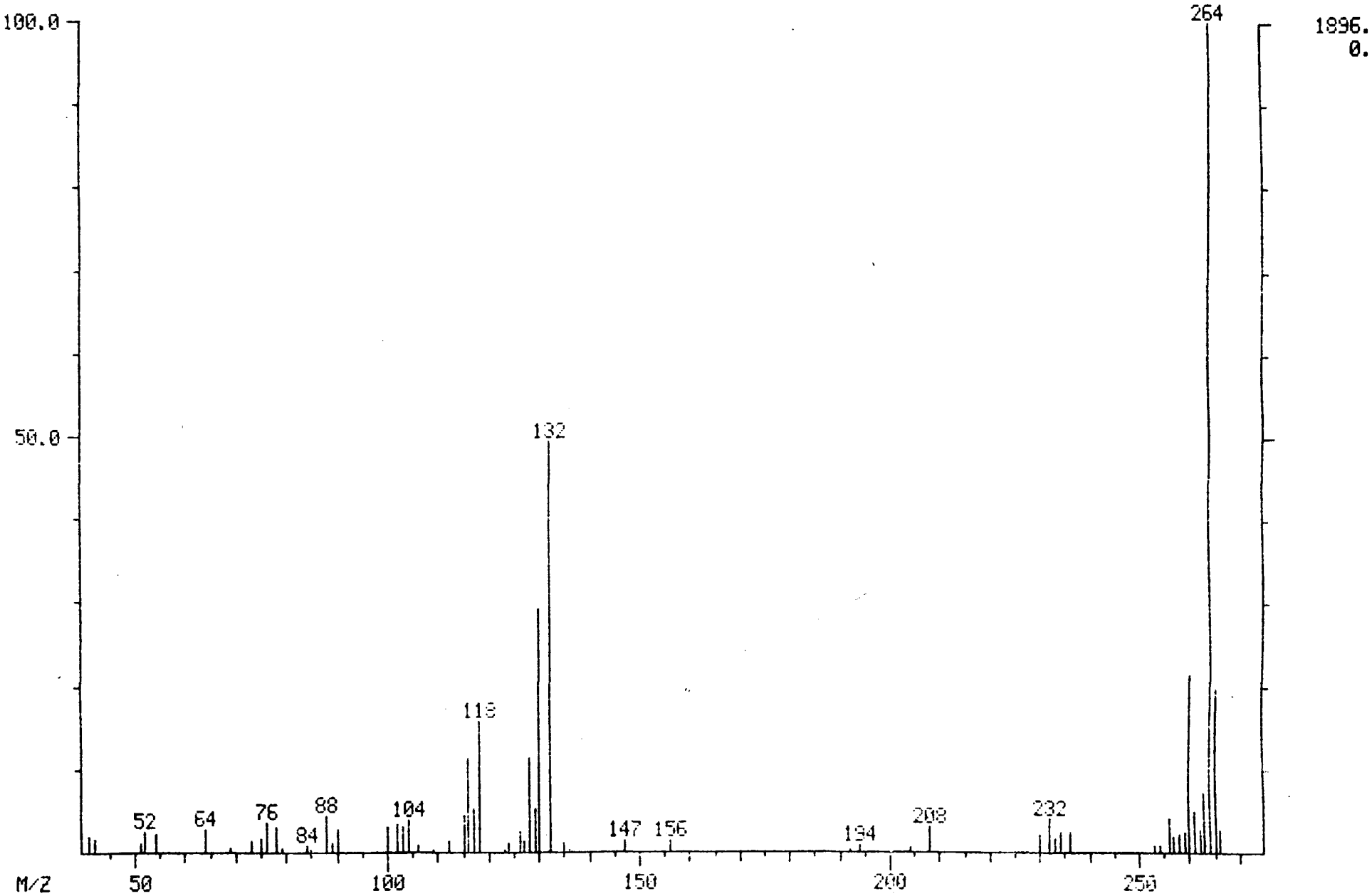
C18.D12 CI70 D12-CHRYSENE (INTERNAL)



MASS SPECTRUM
04/19/91 12:58:00 + 40:22
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #4072
CALI: APR19GK04 #3

BASE M/Z: 264
RIC: 7224.

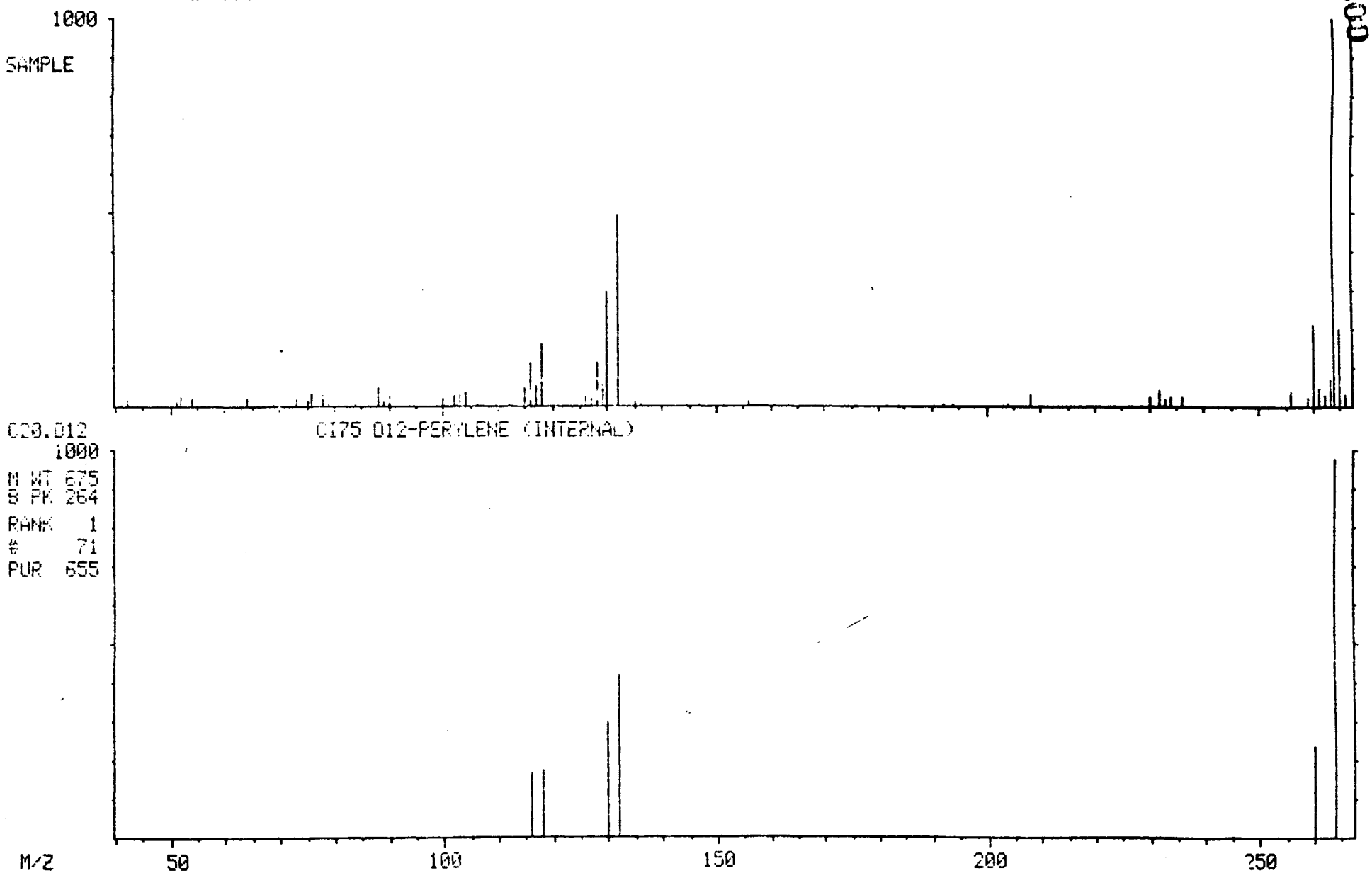


003023

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 12:58:00 + 40:22
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #4072
CALI: APR19GK04 # 3

BASE M/Z: 264
RIC: 7064.

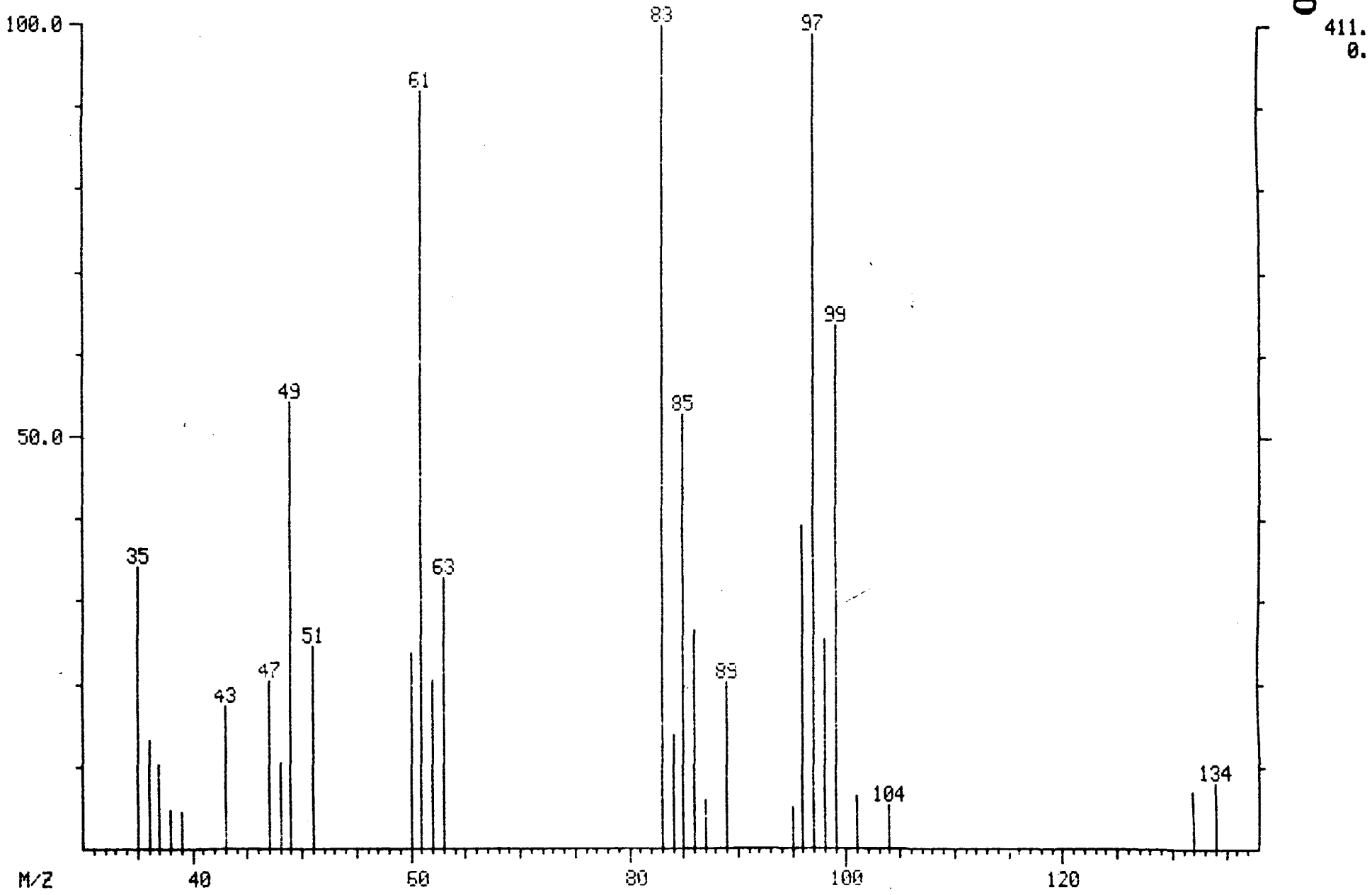


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 12:58:00 + 6:21
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 63 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #641
CALI: APR19GK04 #3

BASE M/Z: 83
RIC: 3460.

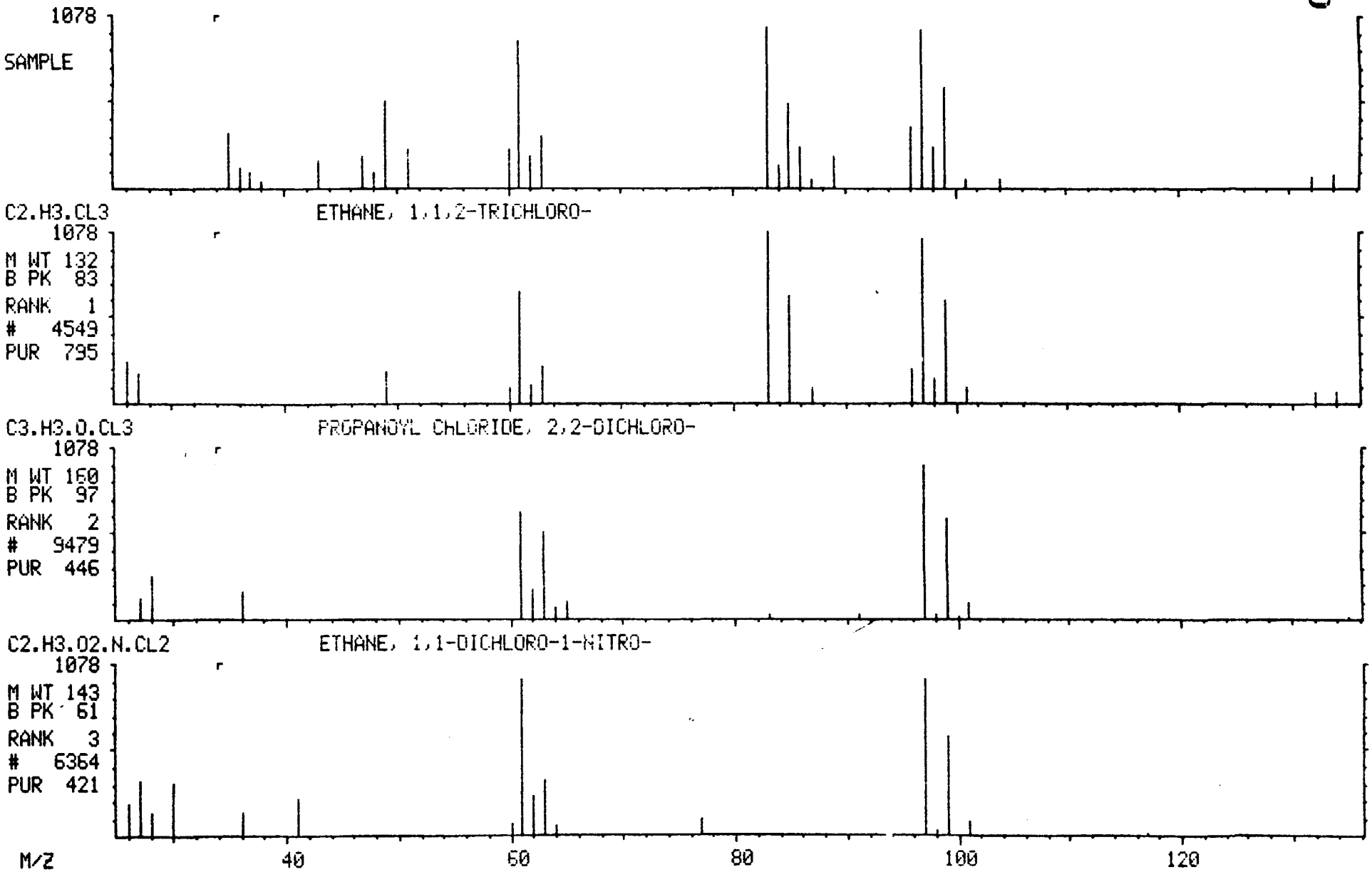


00020

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 6:21
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 641
CALI: APR19GK04 # 3

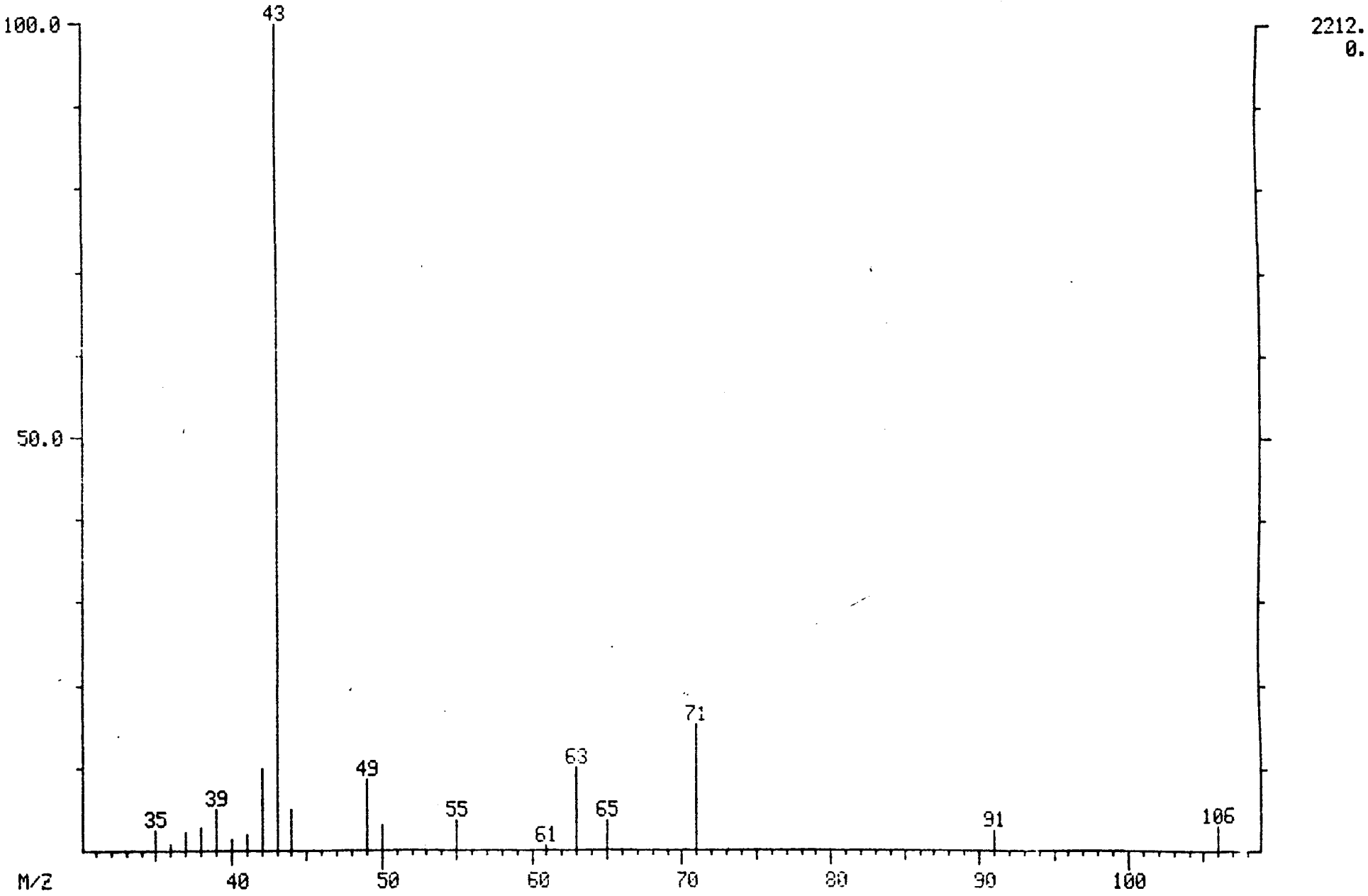
BASE M/Z: 83
RIC: 3420.



MASS SPECTRUM
04/19/91 12:58:00 + 7:31
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 75 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #759
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 4024.

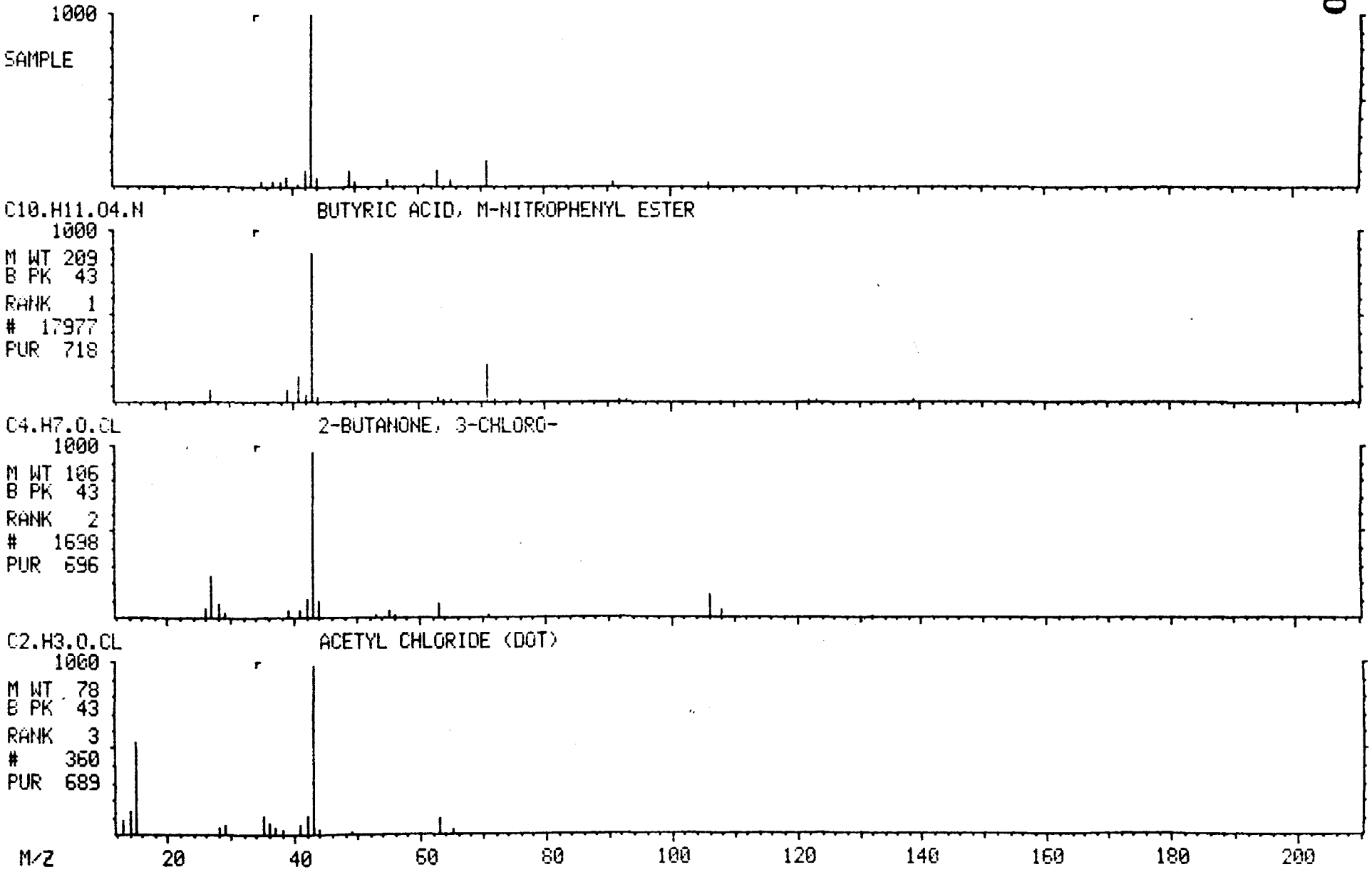


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 7:31
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 759
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 3980.

020200

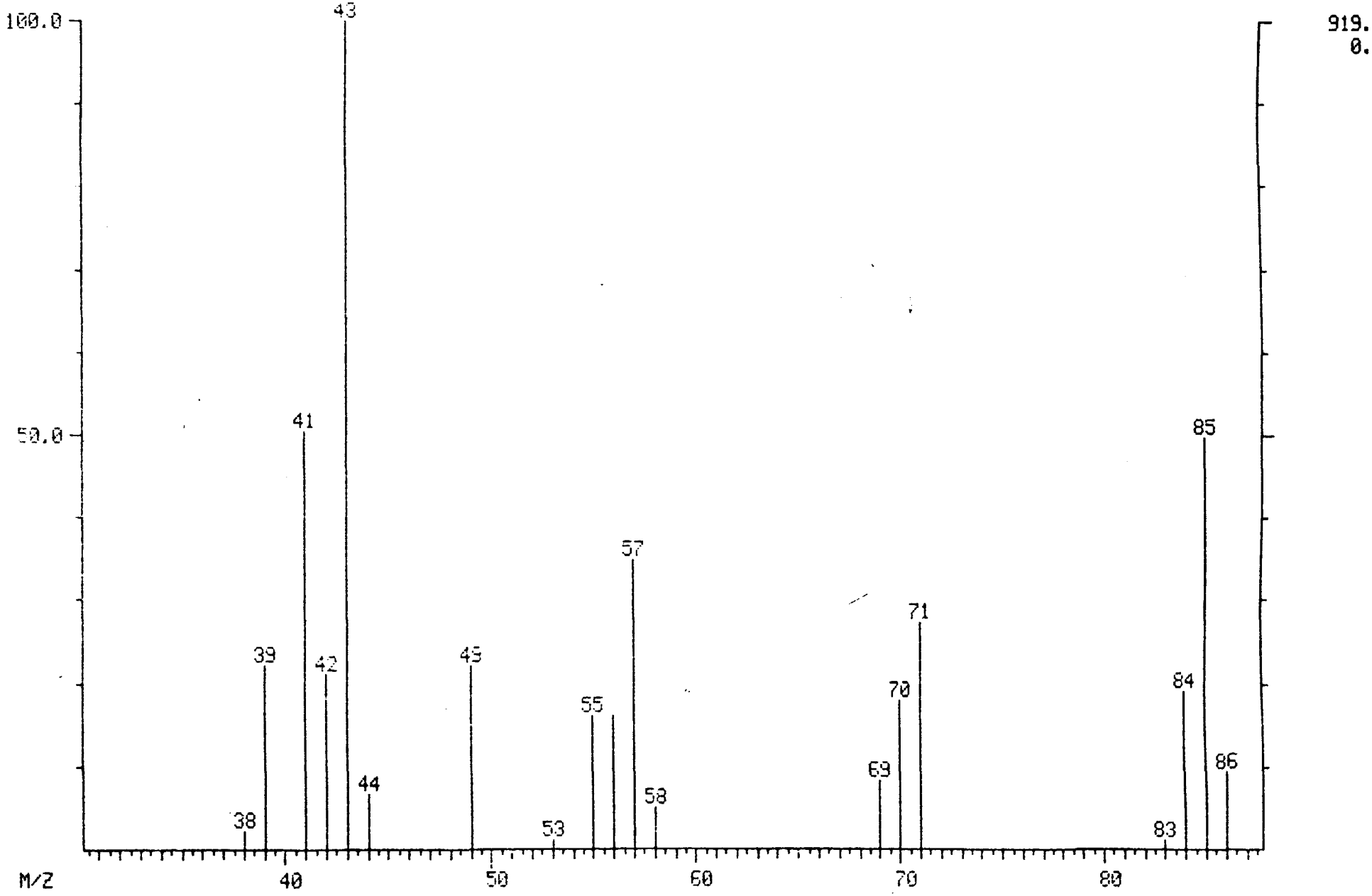


MASS SPECTRUM
04/19/91 12:58:00 + 7:40
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 77 DEG. C
ENHANCED (S 150 2N 0T)

DATA: APR19GK04 #773
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 3964.

00200

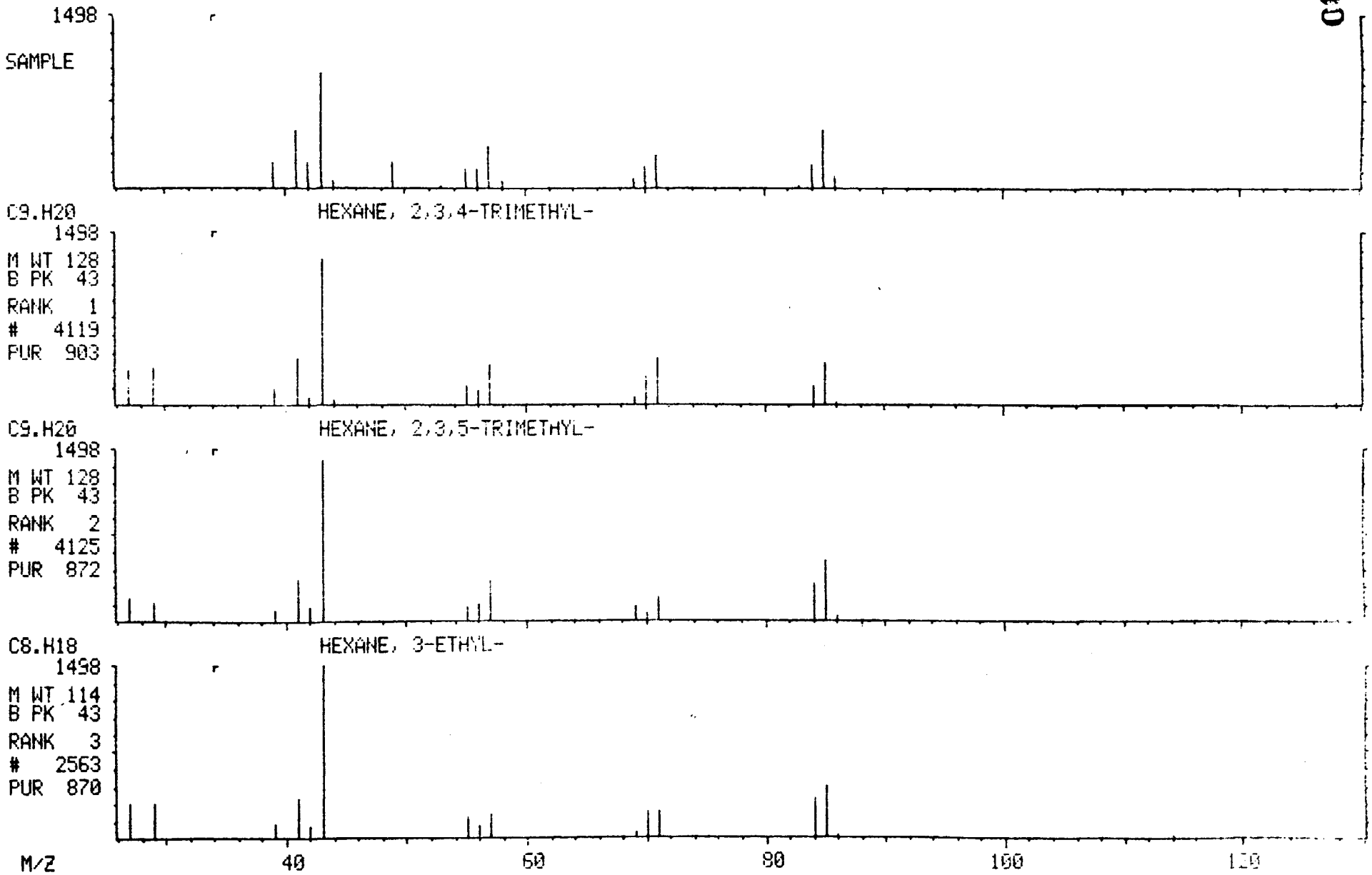


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 7:40
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 773
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 3944.

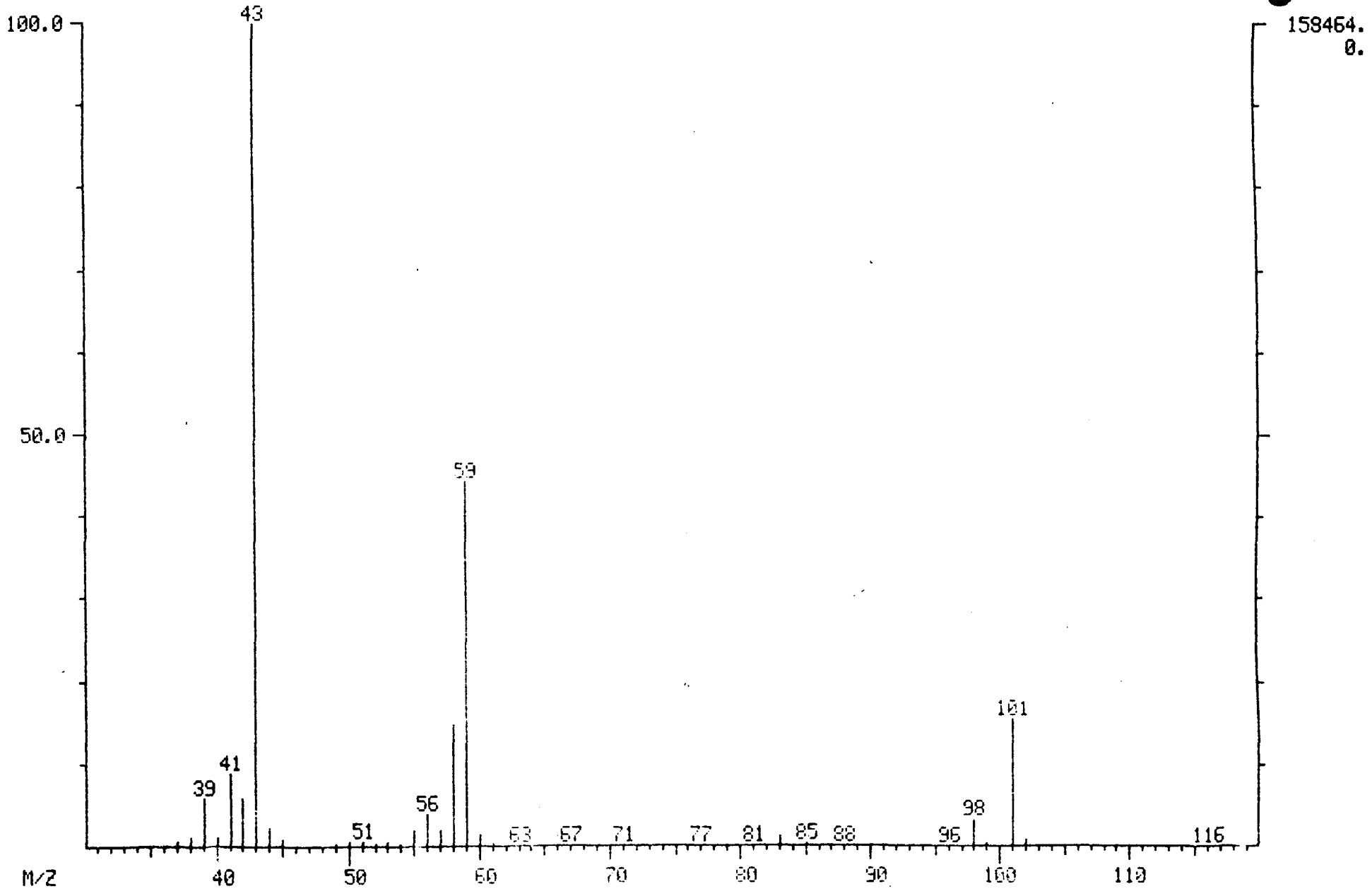
002031



MASS SPECTRUM
04/19/91 12:58:00 + 8:06
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #818
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 346112.

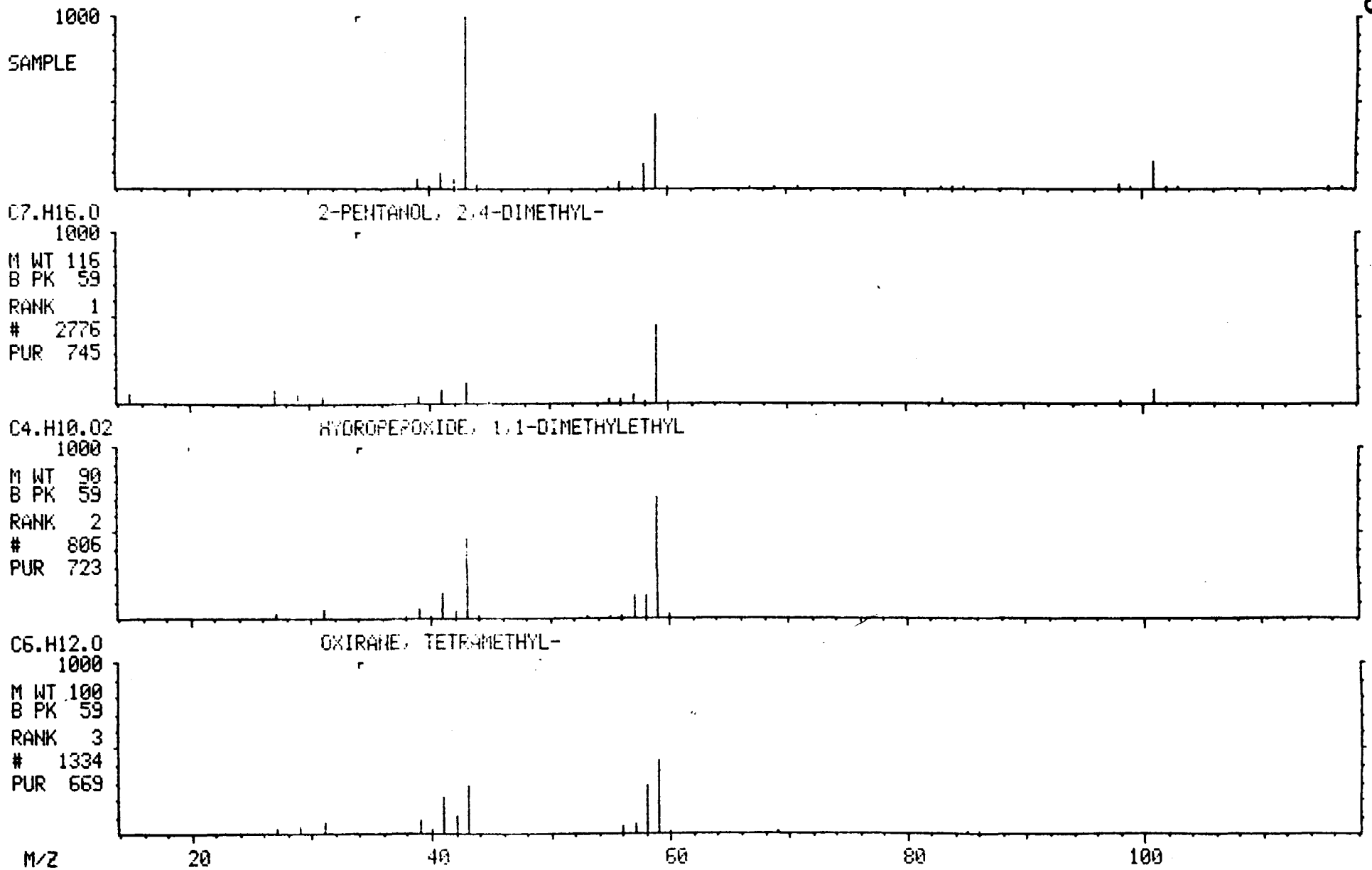


000200

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 8:06
SAMPLE: 90910 GFC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 818
CALI: APR19GK04 # 3

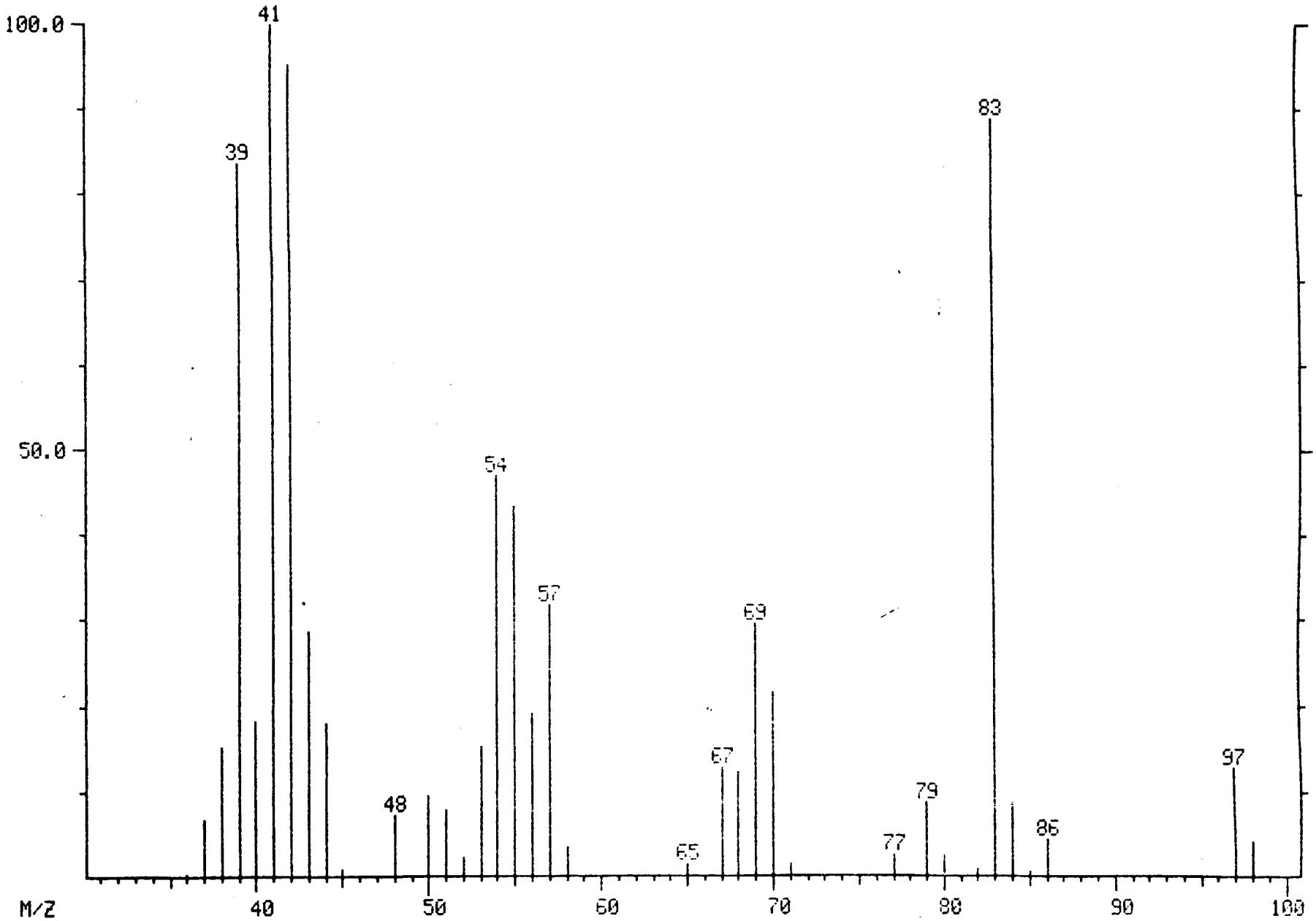
BASE M/Z: 43
RIC: 337920.



MASS SPECTRUM
04/19/91 12:58:00 + 8:31
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #860
CALI: APR19GK04 #3

BASE M/Z: 41
RIC: 7696.



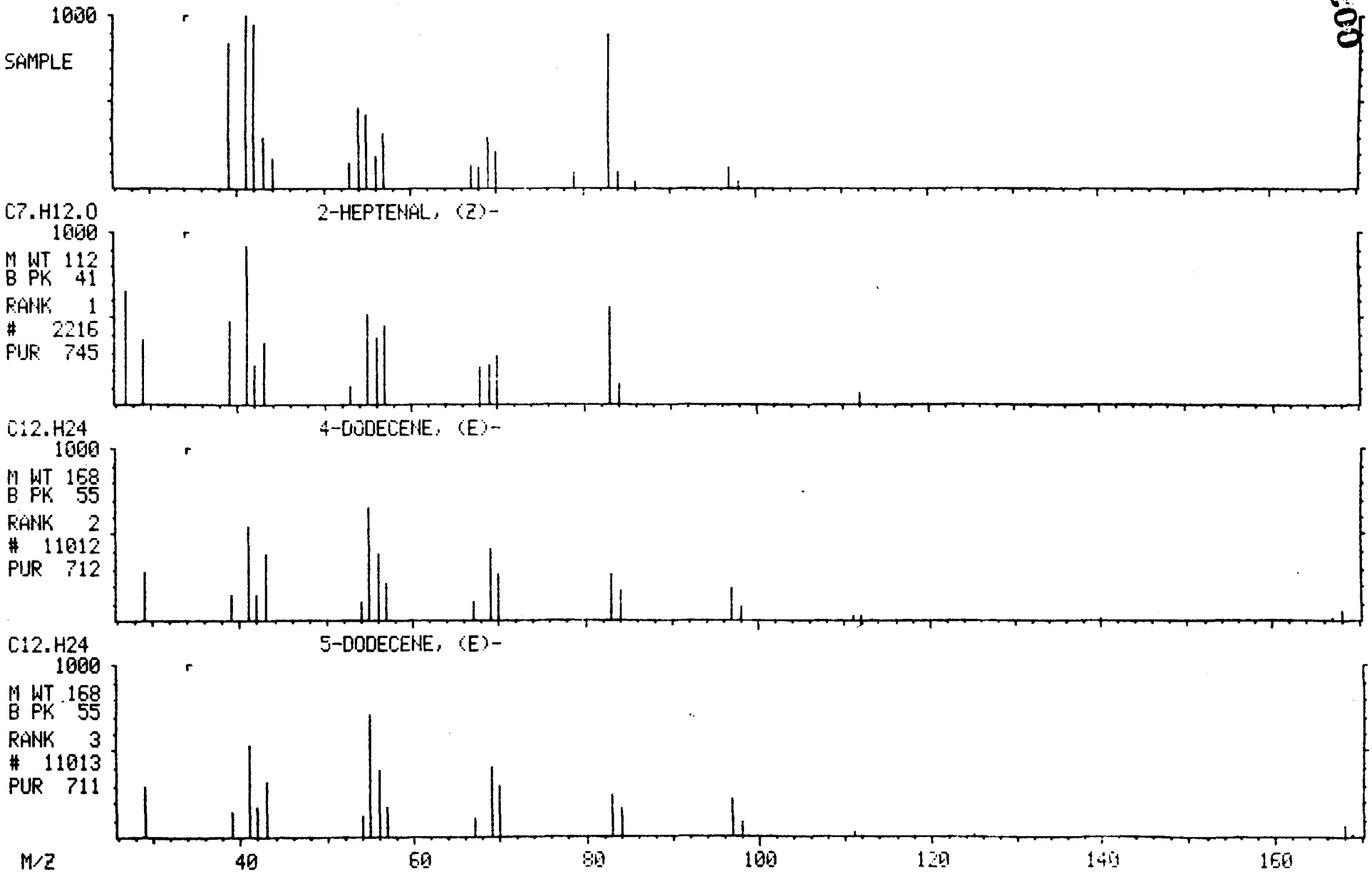
1005.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 8:31
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 860
CALI: APR19GK04 # 3

BASE M/Z: 41
RIC: 6888.

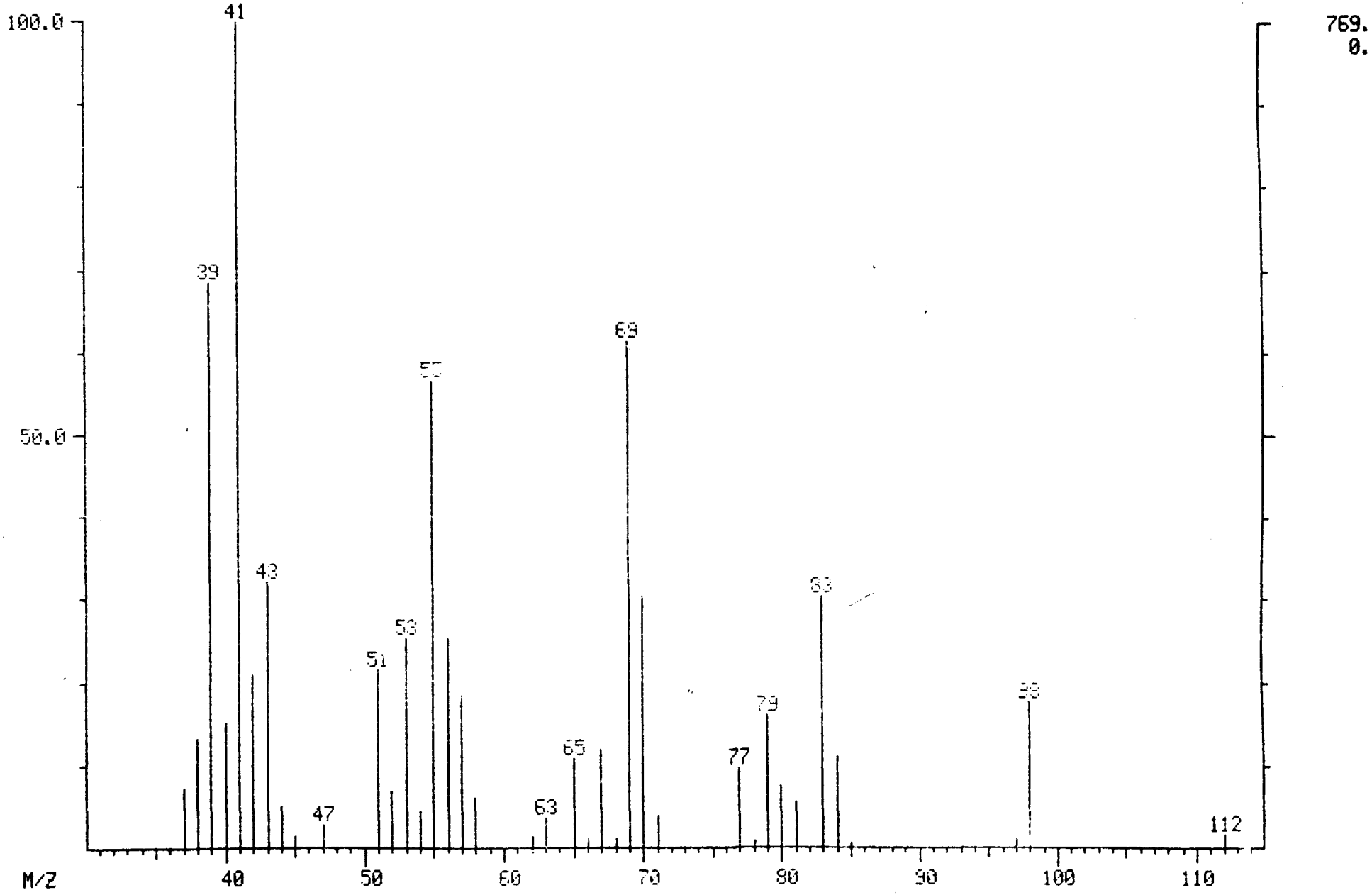
002035



MASS SPECTRUM
04/19/91 12:58:00 + 9:28
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 95 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #955
CALI: APR19GK04 #3

BASE M/Z: 41
RIC: 5080.

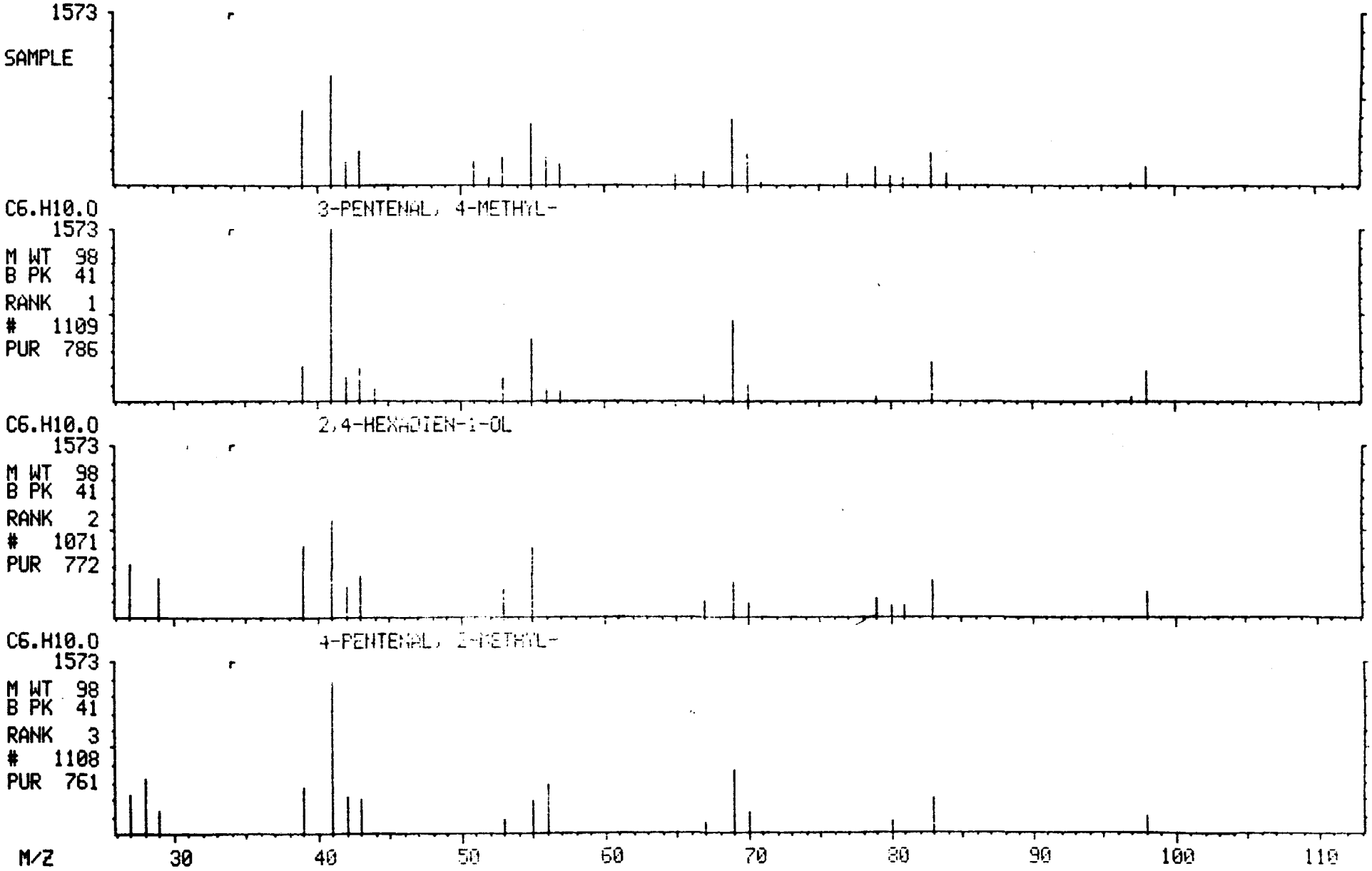


769.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 9:28
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 955
CALI: APR19GK04 # 3

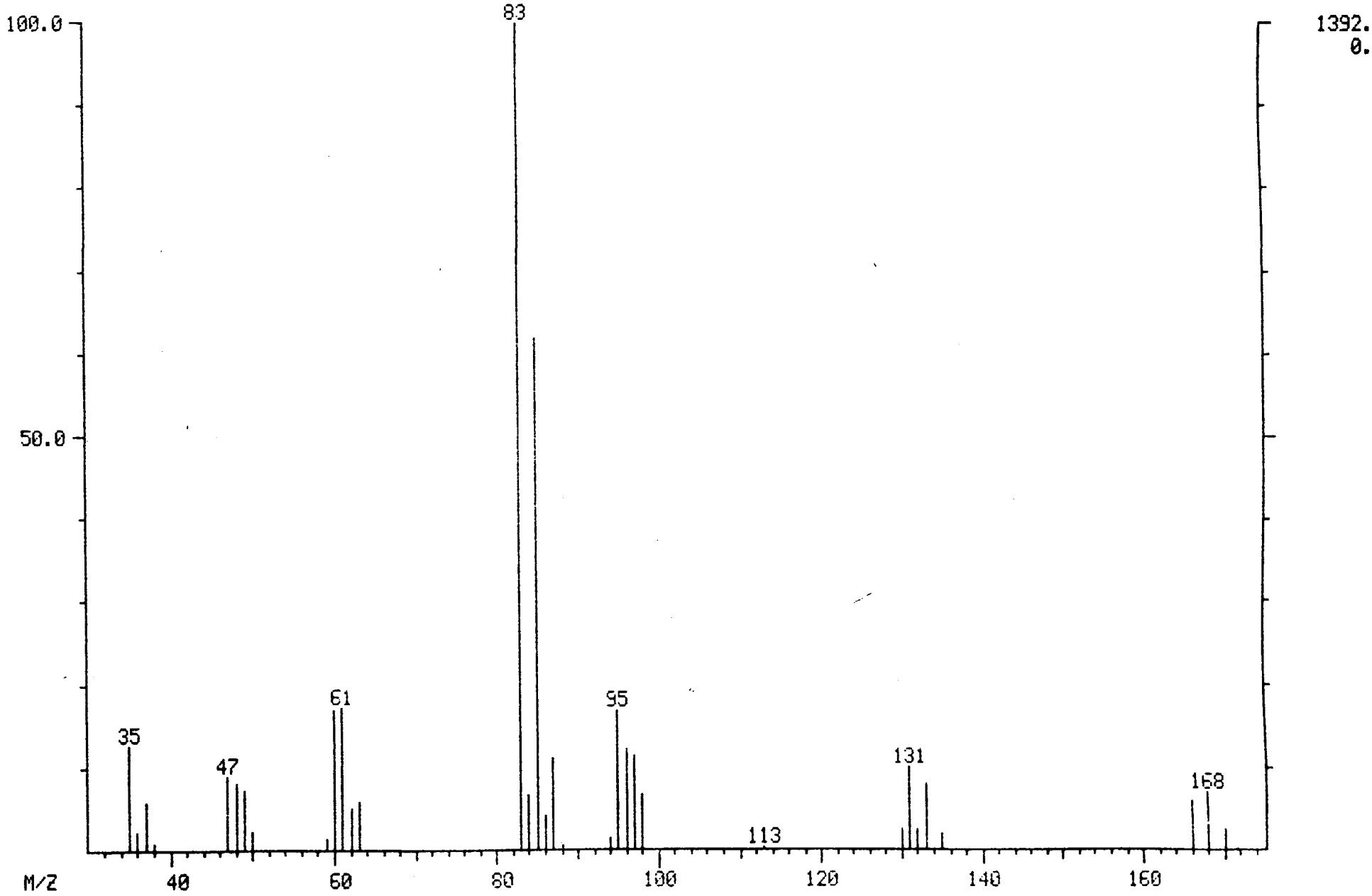
BASE M/Z: 41
RIC: 4592.



MASS SPECTRUM
04/19/91 12:58:00 + 9:45
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #983
CALI: APR19GK04 #3

BASE M/Z: 83
RIC: 5104.

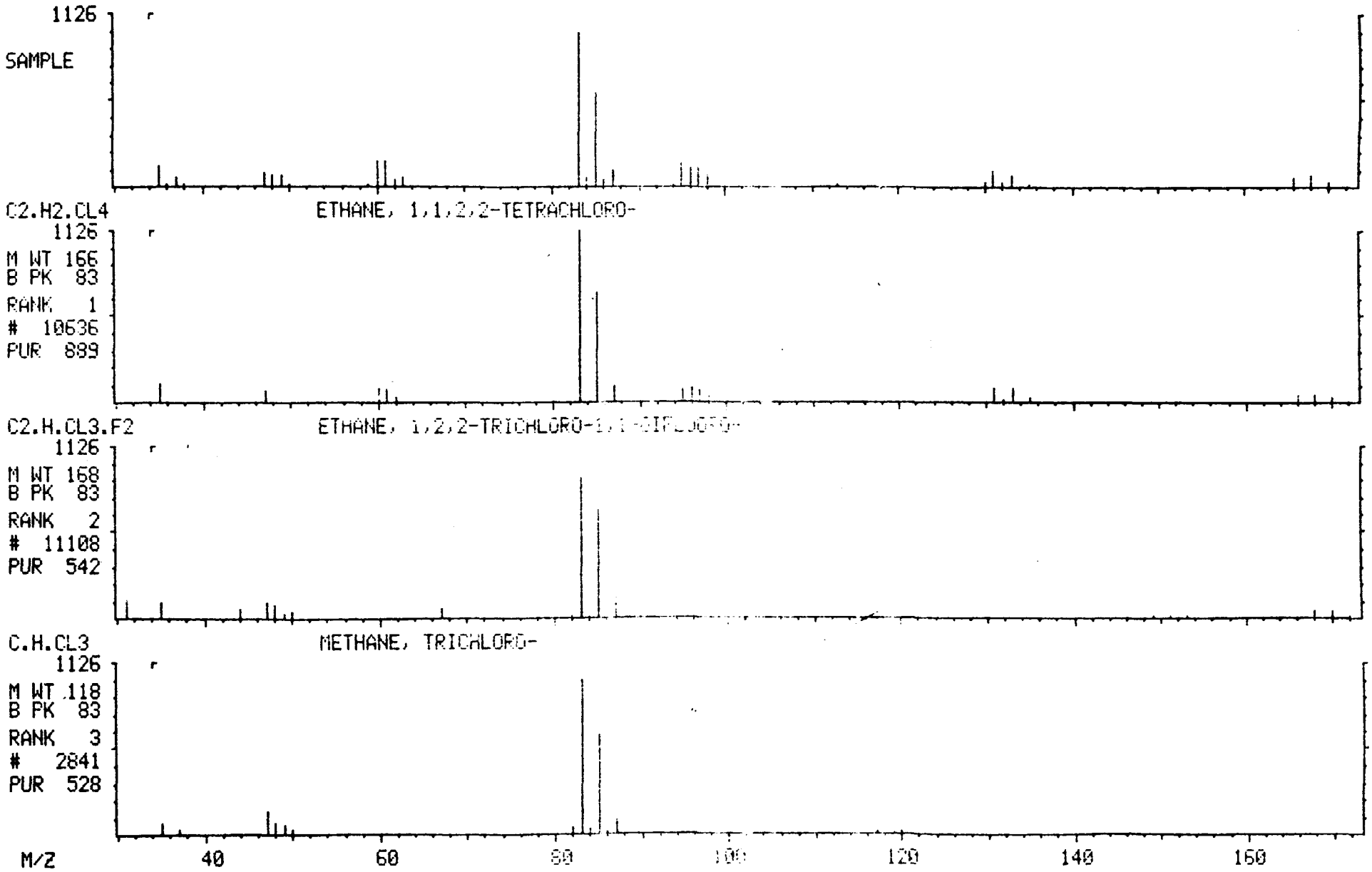


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 9:45
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 # 983
CALI: APR19GK04 # 3

BASE M/Z: 83
RIC: 5096.

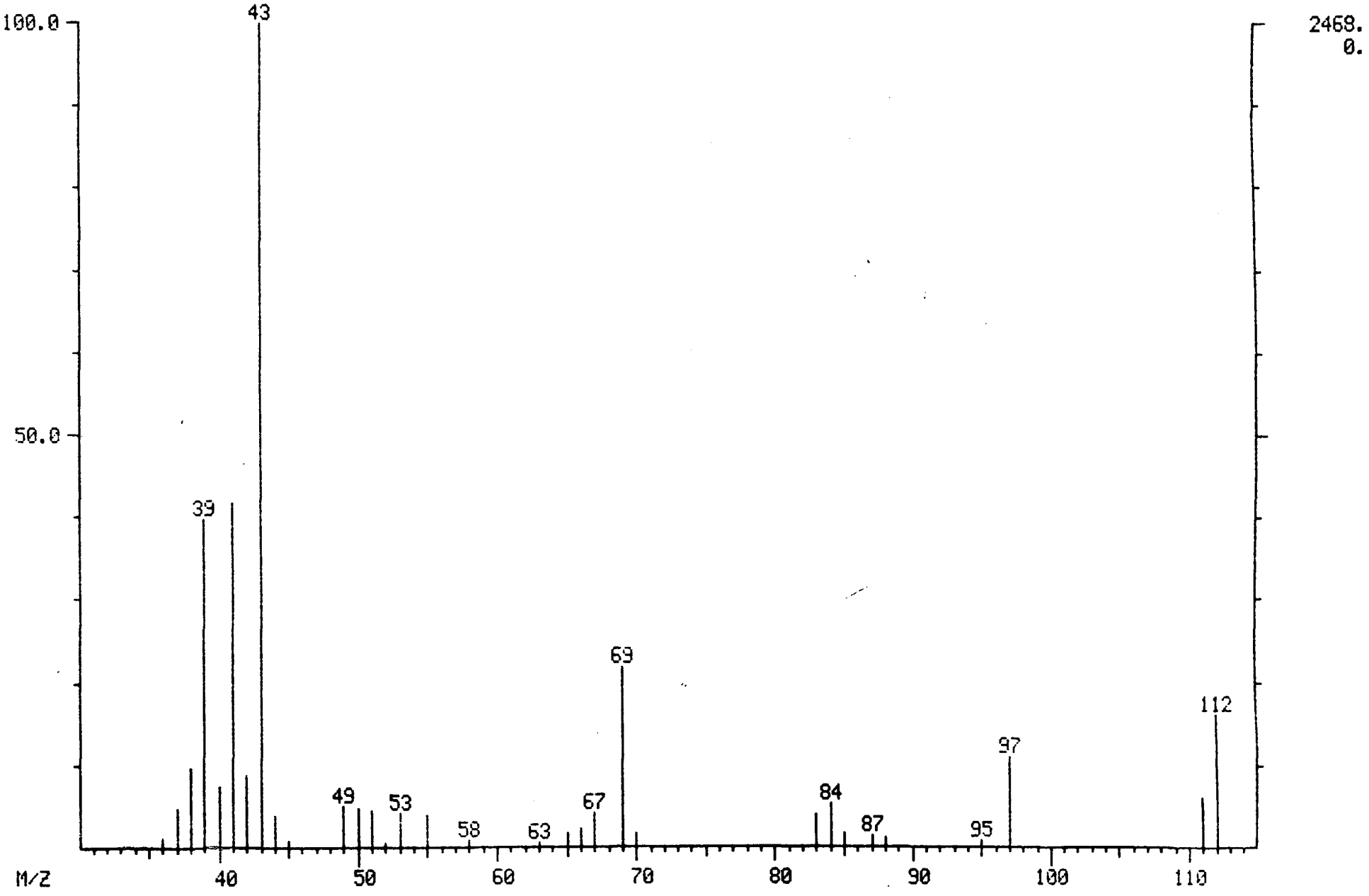
000209



MASS SPECTRUM
04/19/91 12:58:00 + 10:08
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 101 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1023
CALI: APR19GK04 #3

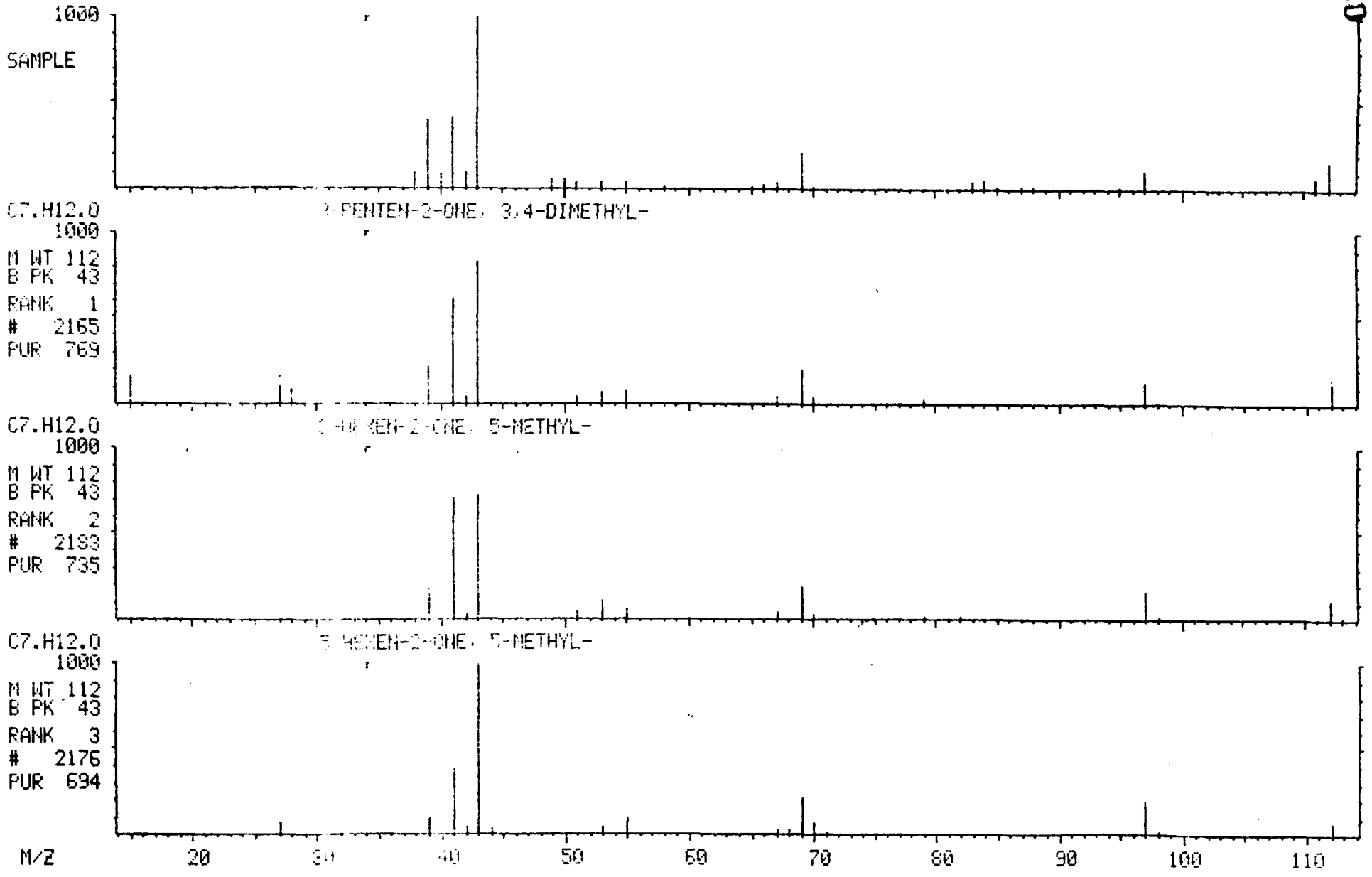
BASE M/Z: 43
RIC: 7928.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 10:08
SAMPLE: 90310 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (C 15B 2N 0T)

DATA: APR19GK04 #1023
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 7640.

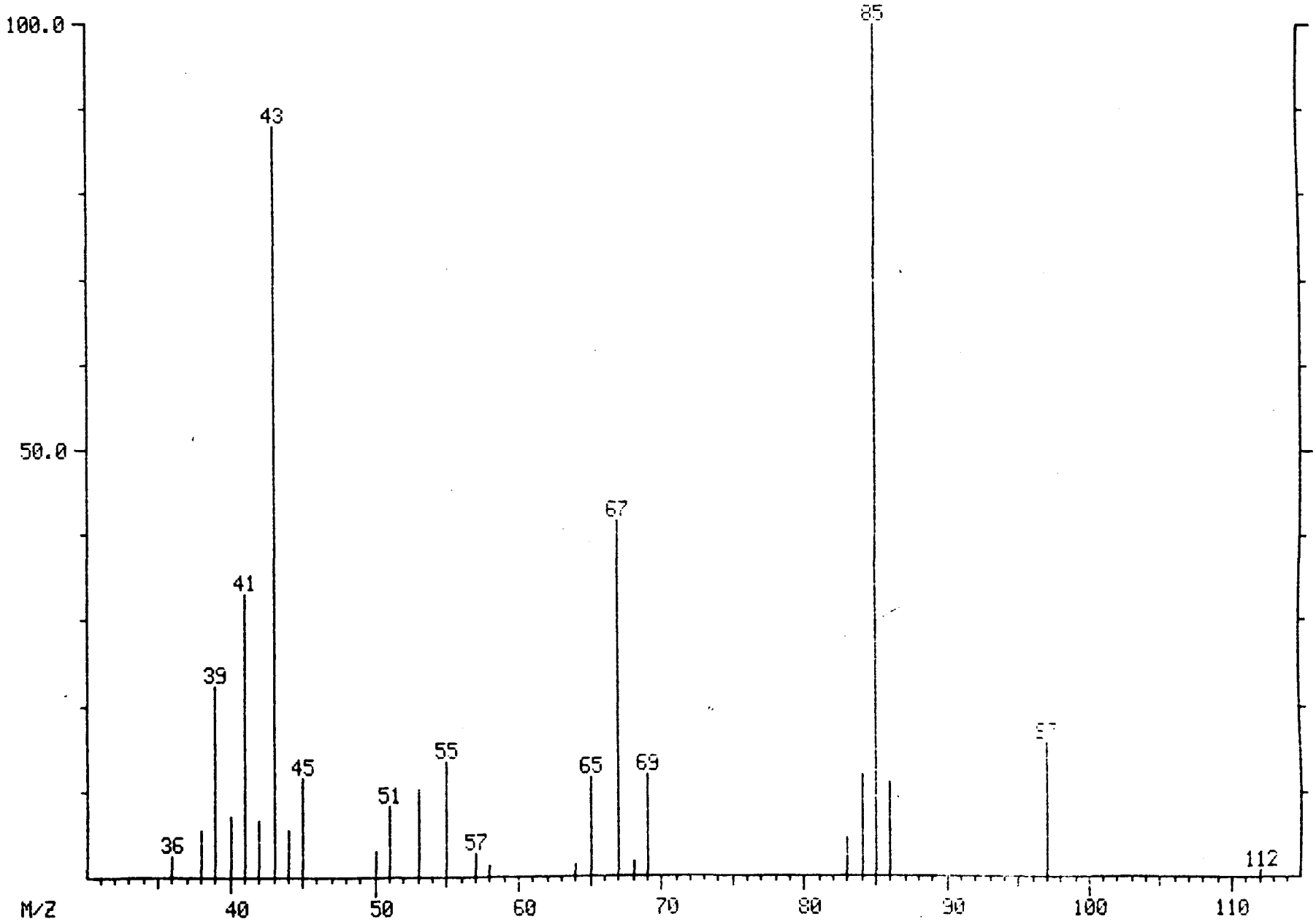


MASS SPECTRUM
04/19/91 12:58:00 + 10:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 104 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APF19GK04 #1050
CALI: APF19GK04 #3

BASE M/Z: 85
RIC: 2800.

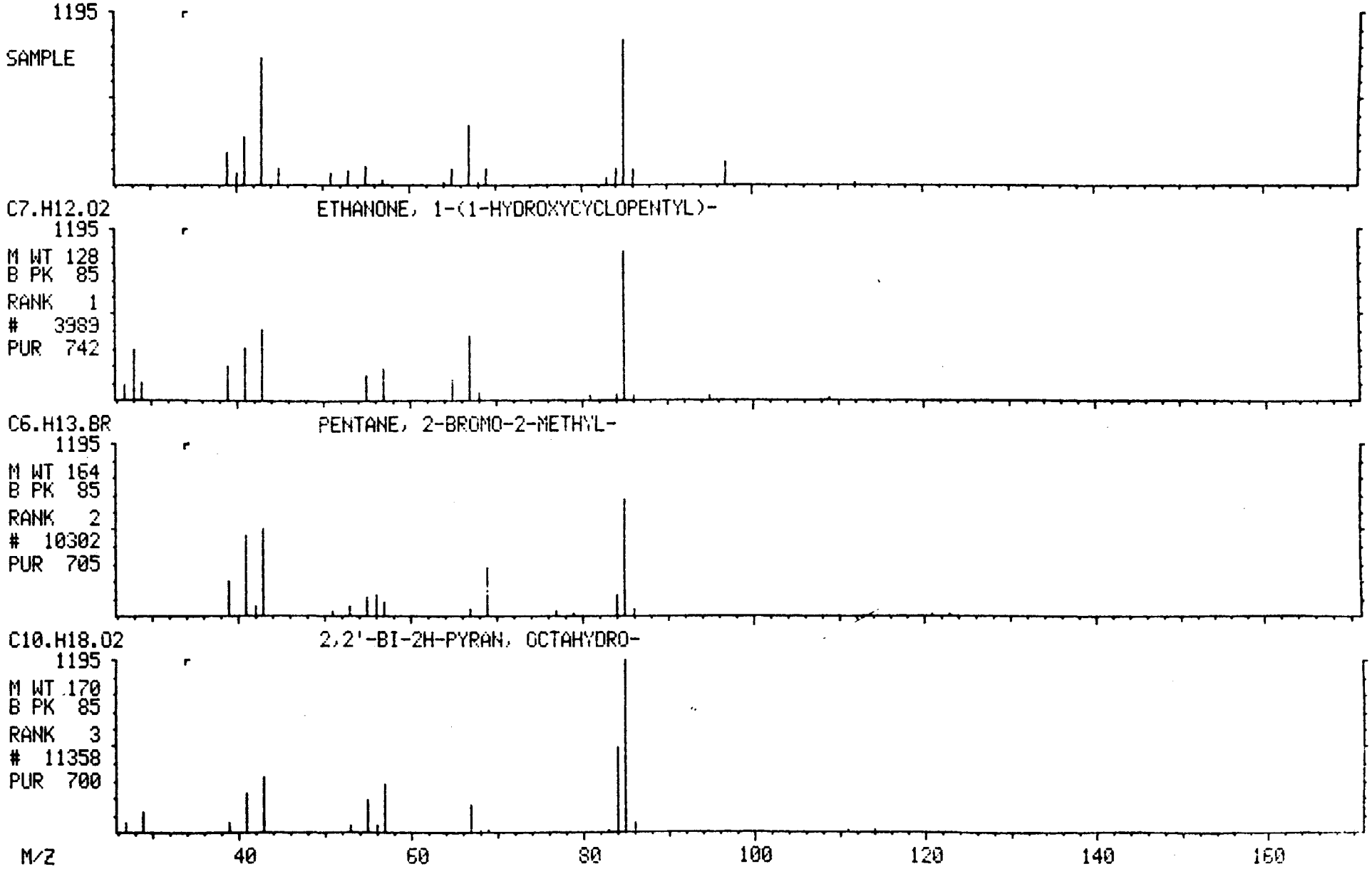
250200



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 10:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1050
CALI: APR19GK04 # 3

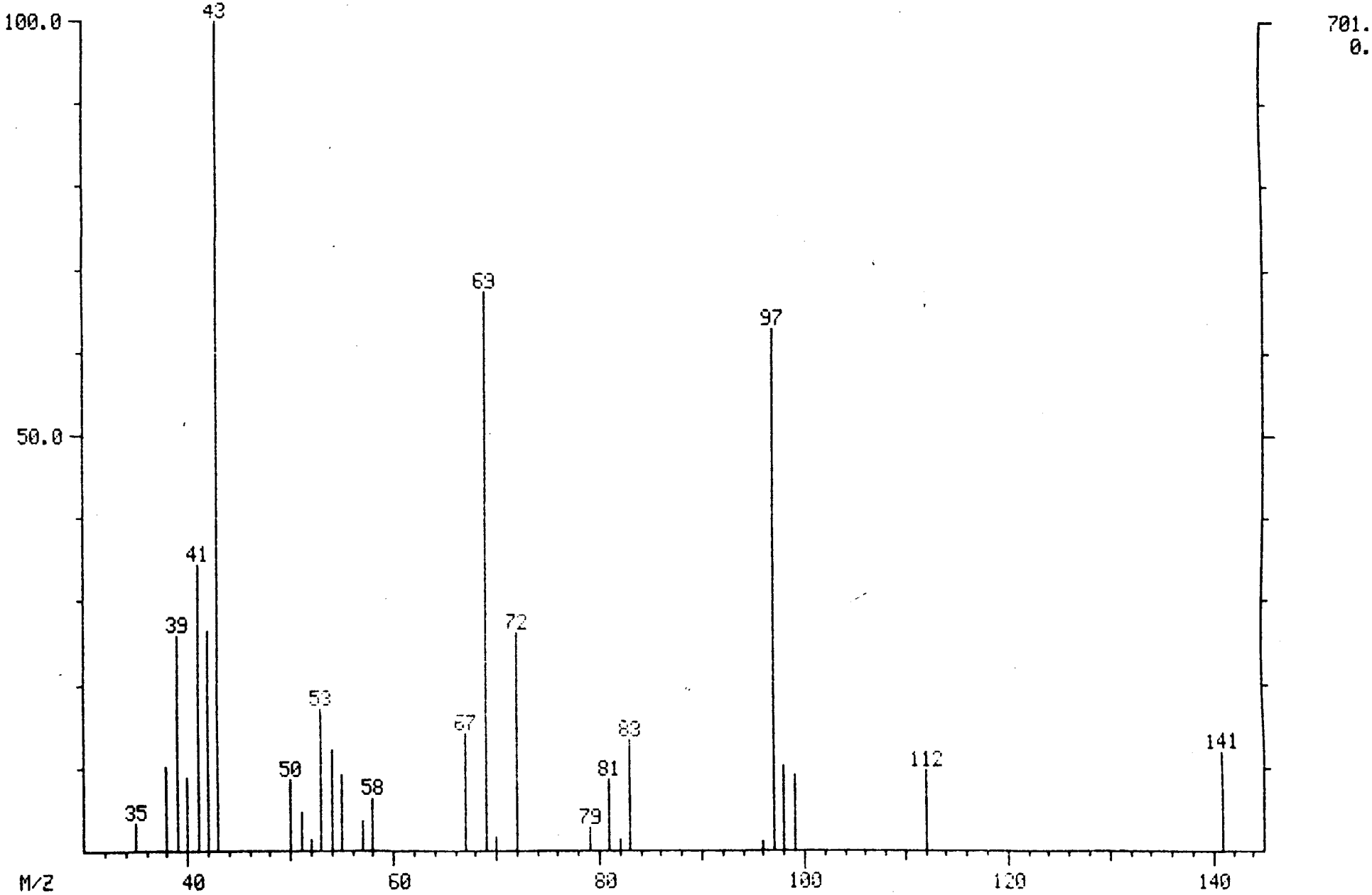
BASE M/Z: 85
RIC: 2640.



MASS SPECTRUM
04/19/91 12:58:00 + 10:32
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1063
CALI: APR19GK04 #3

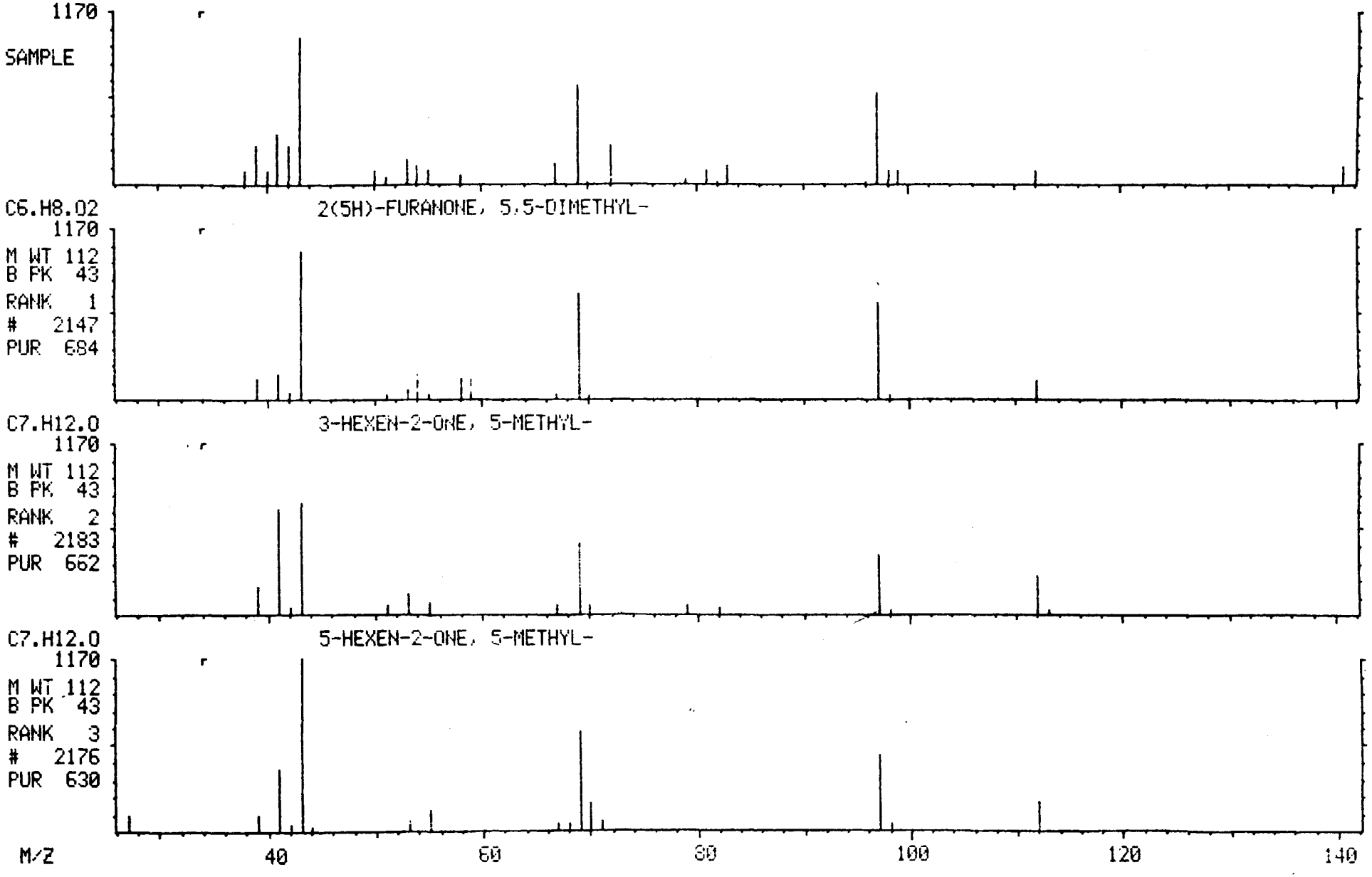
BASE M/Z: 43
RIC: 3608.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 10:32
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1063
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 3548.

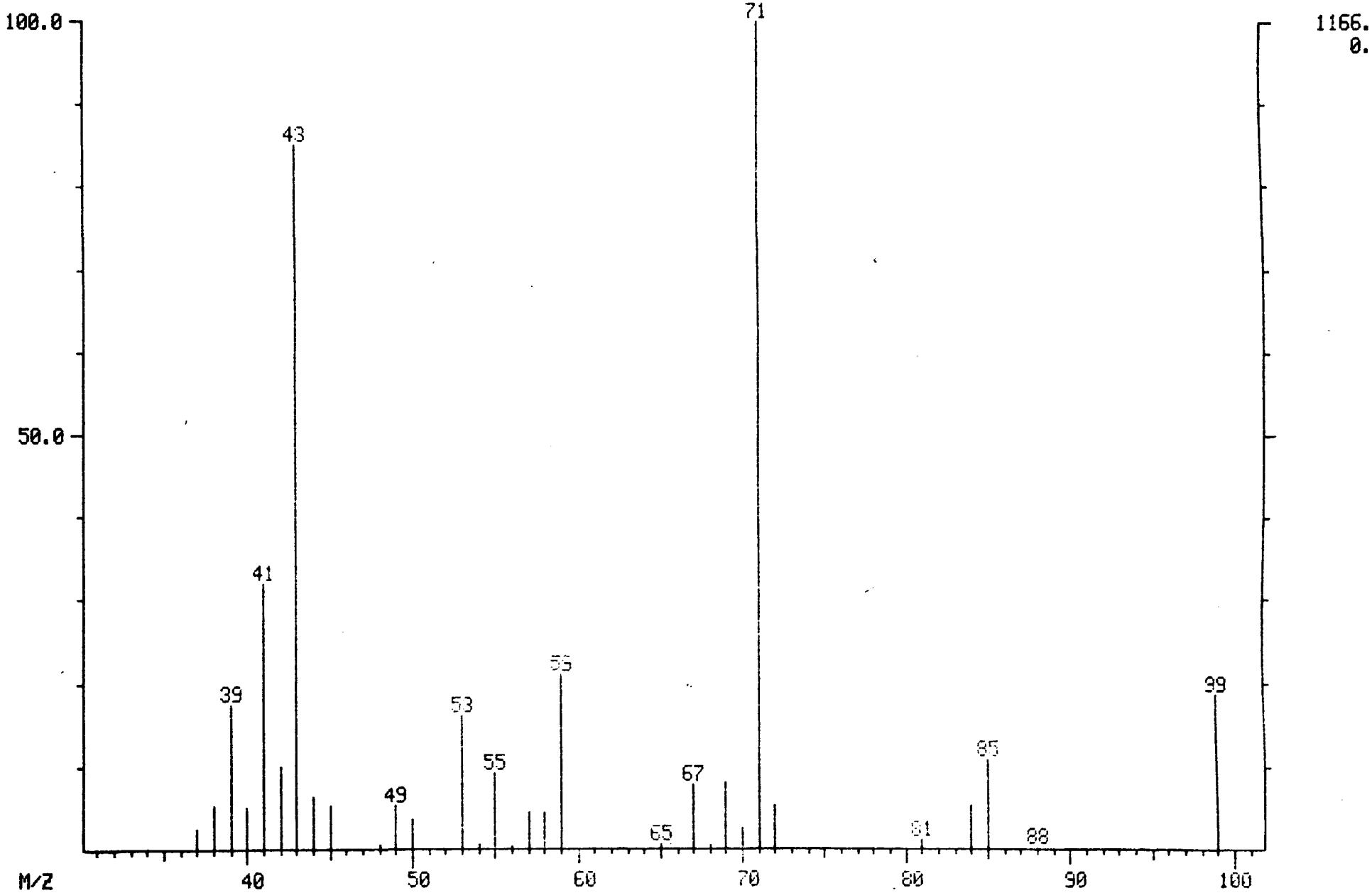


MASS SPECTRUM
04/19/91 12:58:00 + 10:51
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 109 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1094
CALI: APR19GK04 #3

BASE M/Z: 71
RIC: 4624.

002046

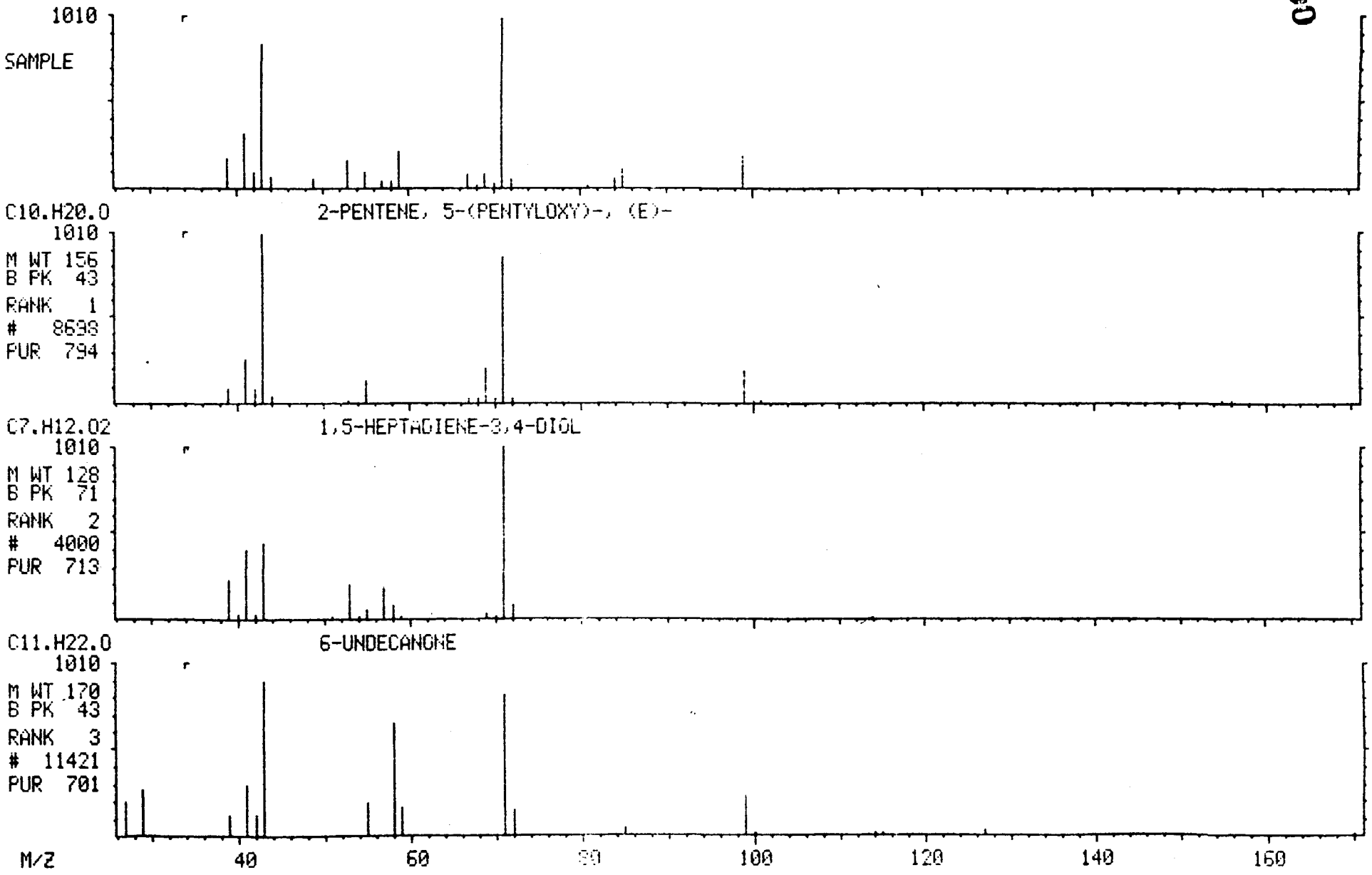


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 10:51
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1094
CALI: APR19GK04 # 3

BASE M/Z: 71
RIC: 4344.

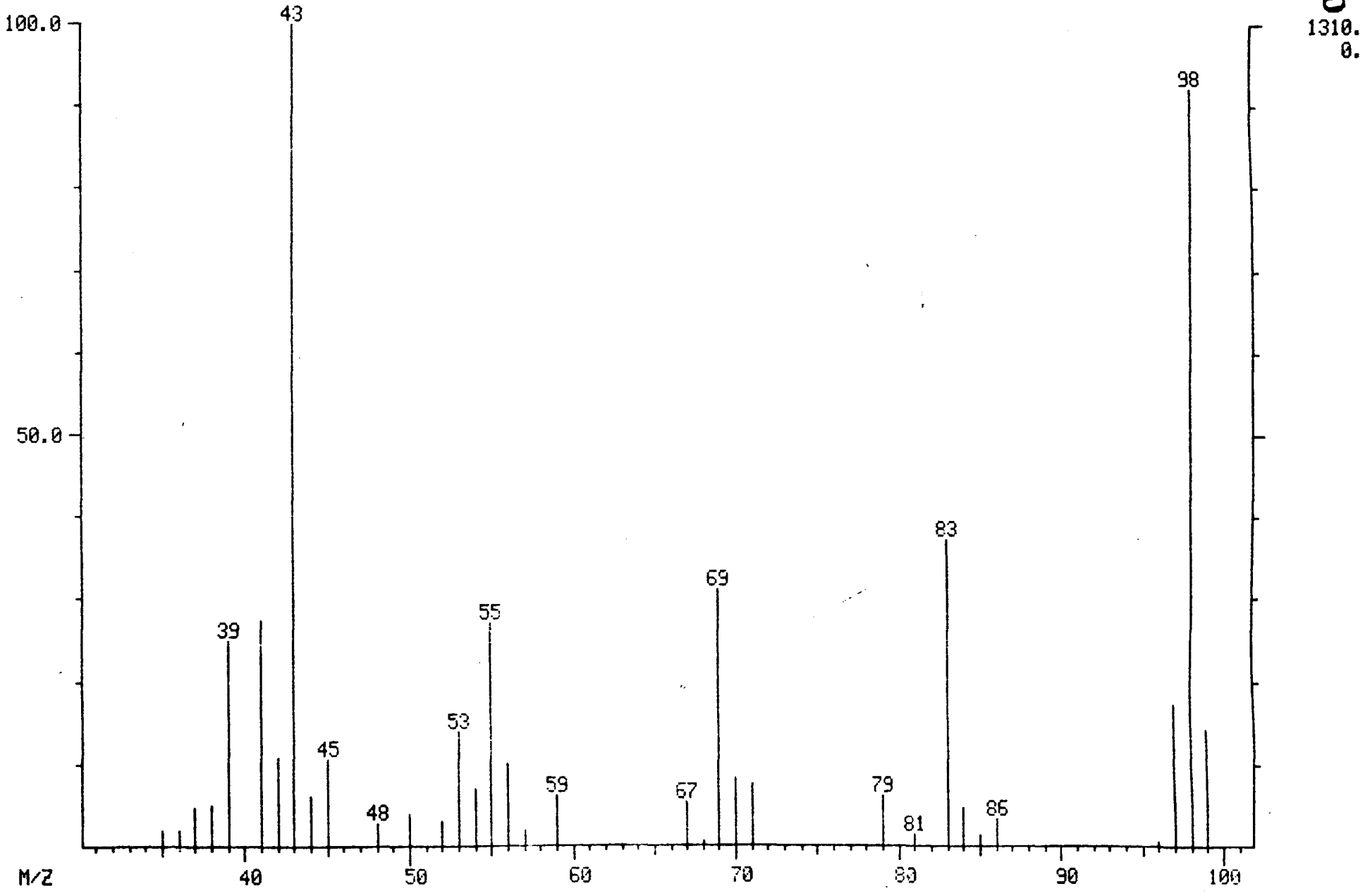
250200



MASS SPECTRUM
04/19/91 12:58:00 + 11:11
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1129
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 6544.

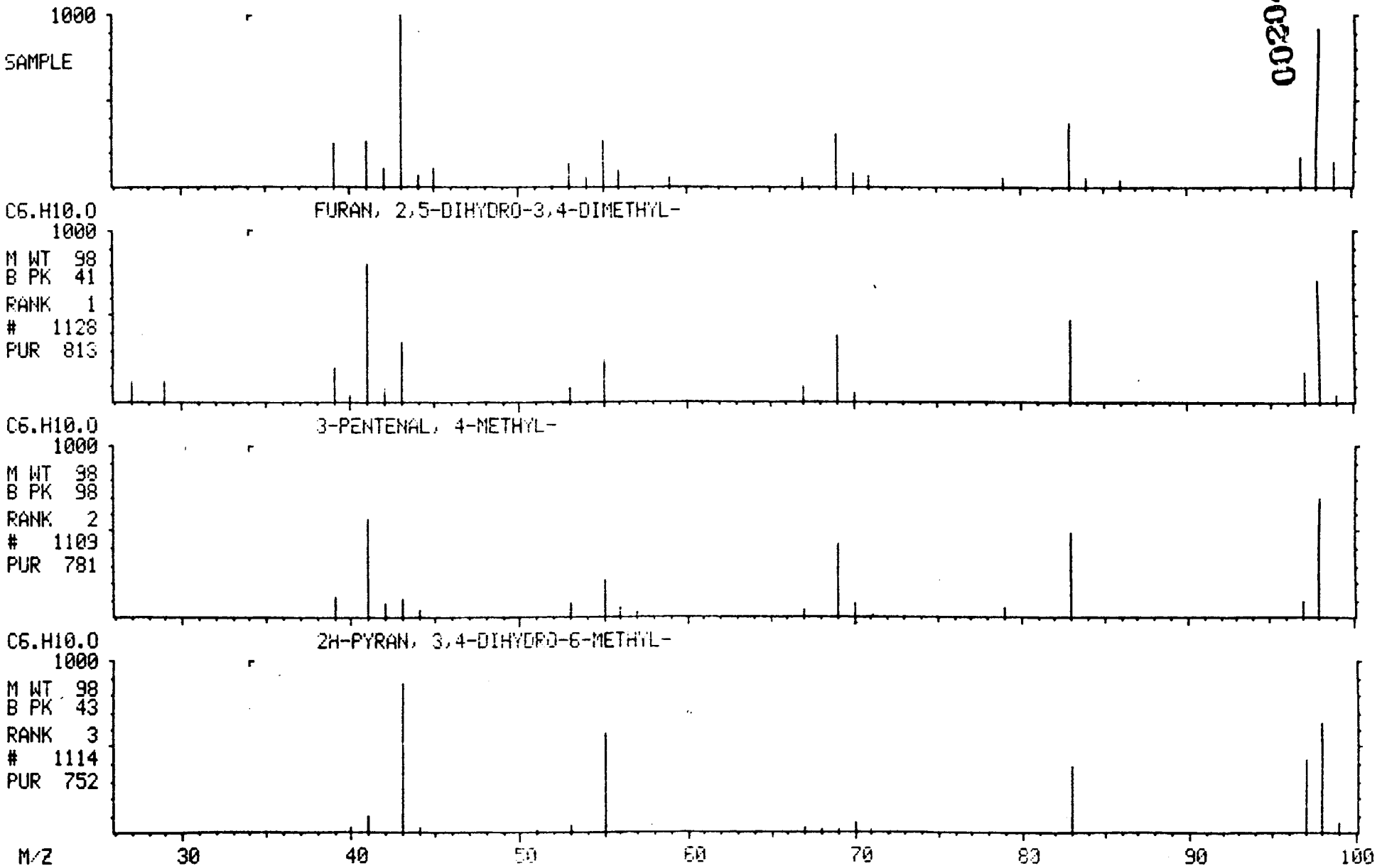


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 11:11
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CHP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1129
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 6160.

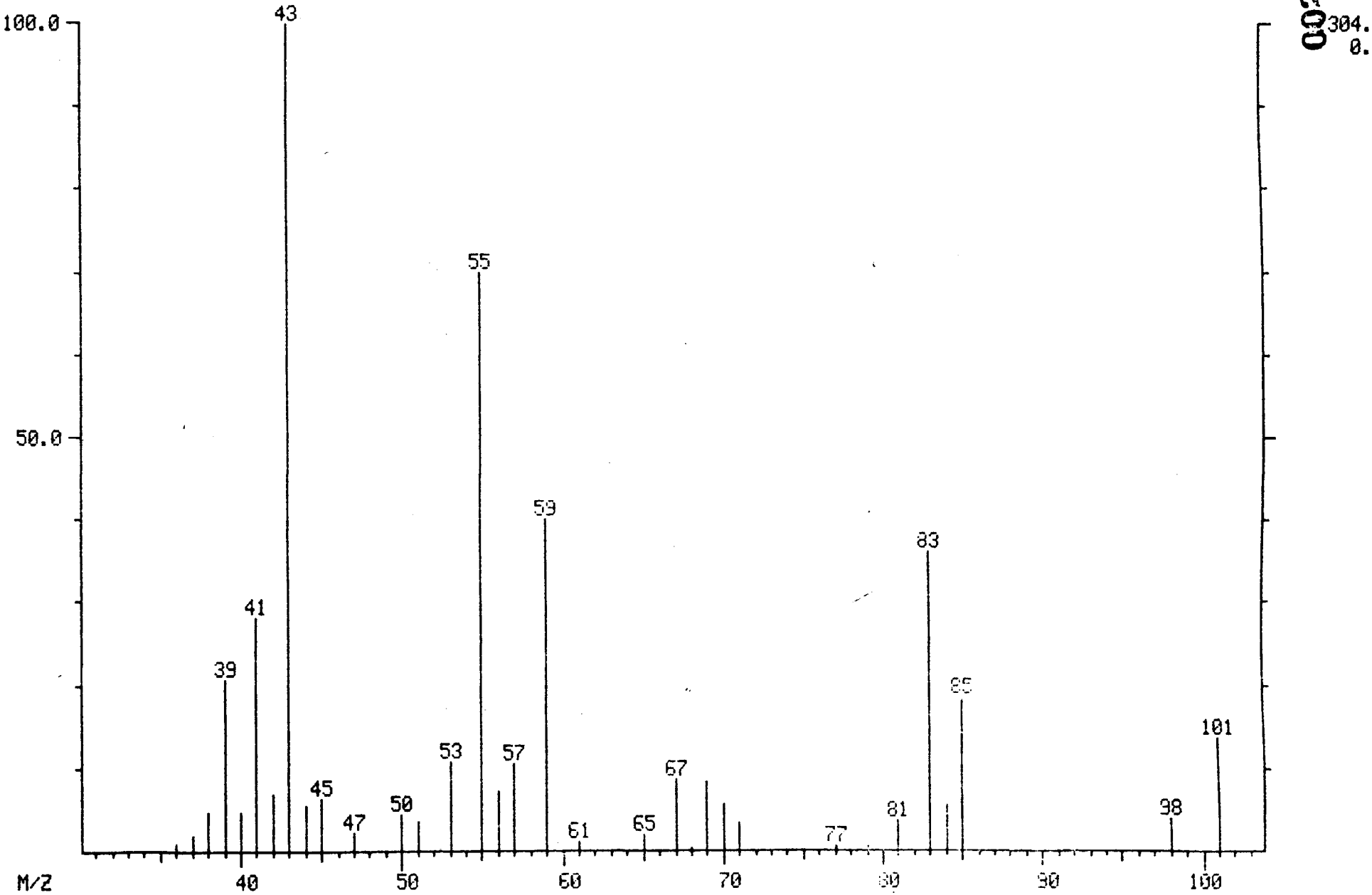
002049



MASS SPECTRUM
04/19/91 12:58:00 + 11:23
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GH04 #1143
CALI: APR19GH04 #3

BASE M/Z: 43
RIC: 5752.

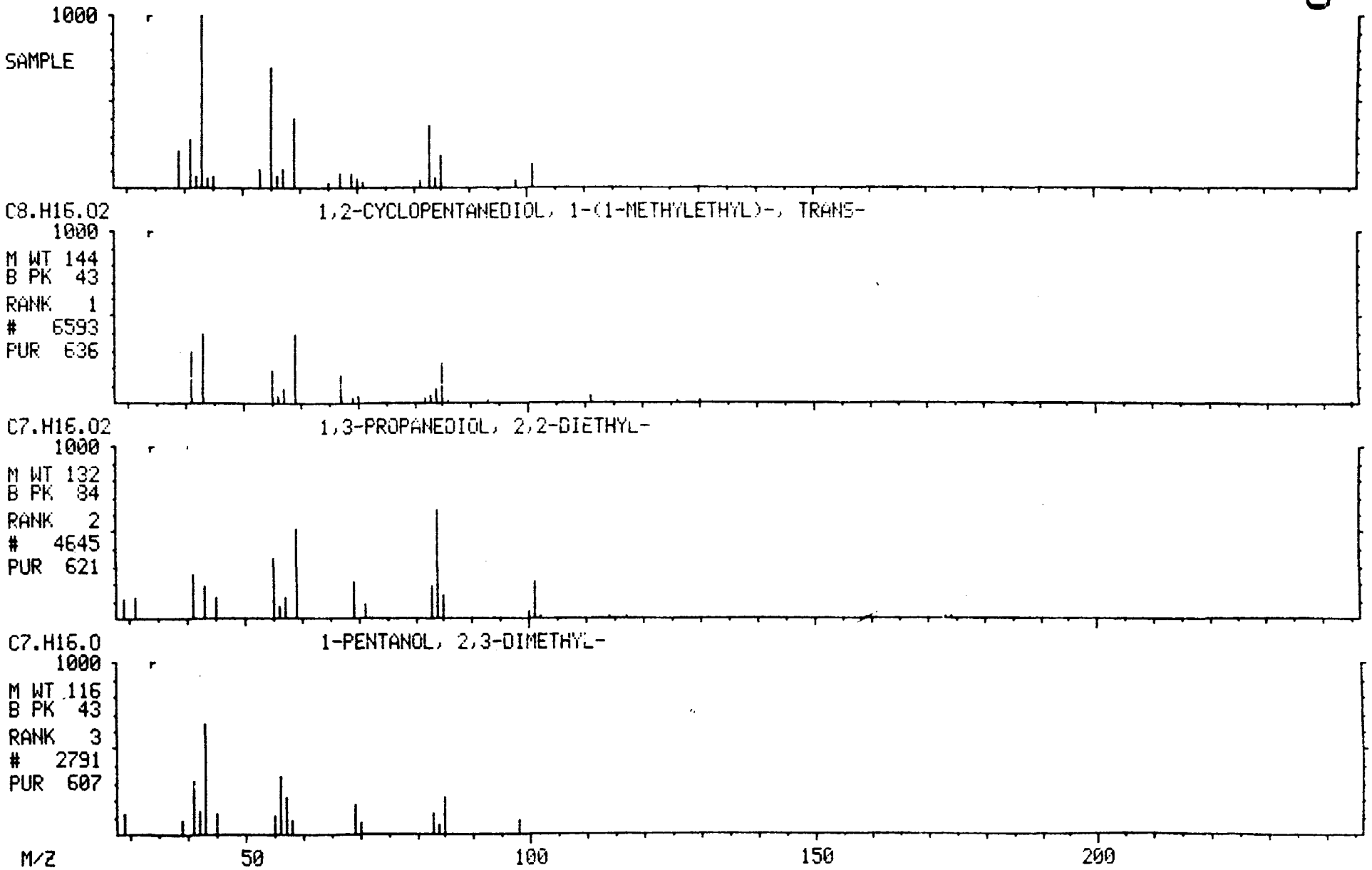


002200

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 11:23
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1148
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 5416.

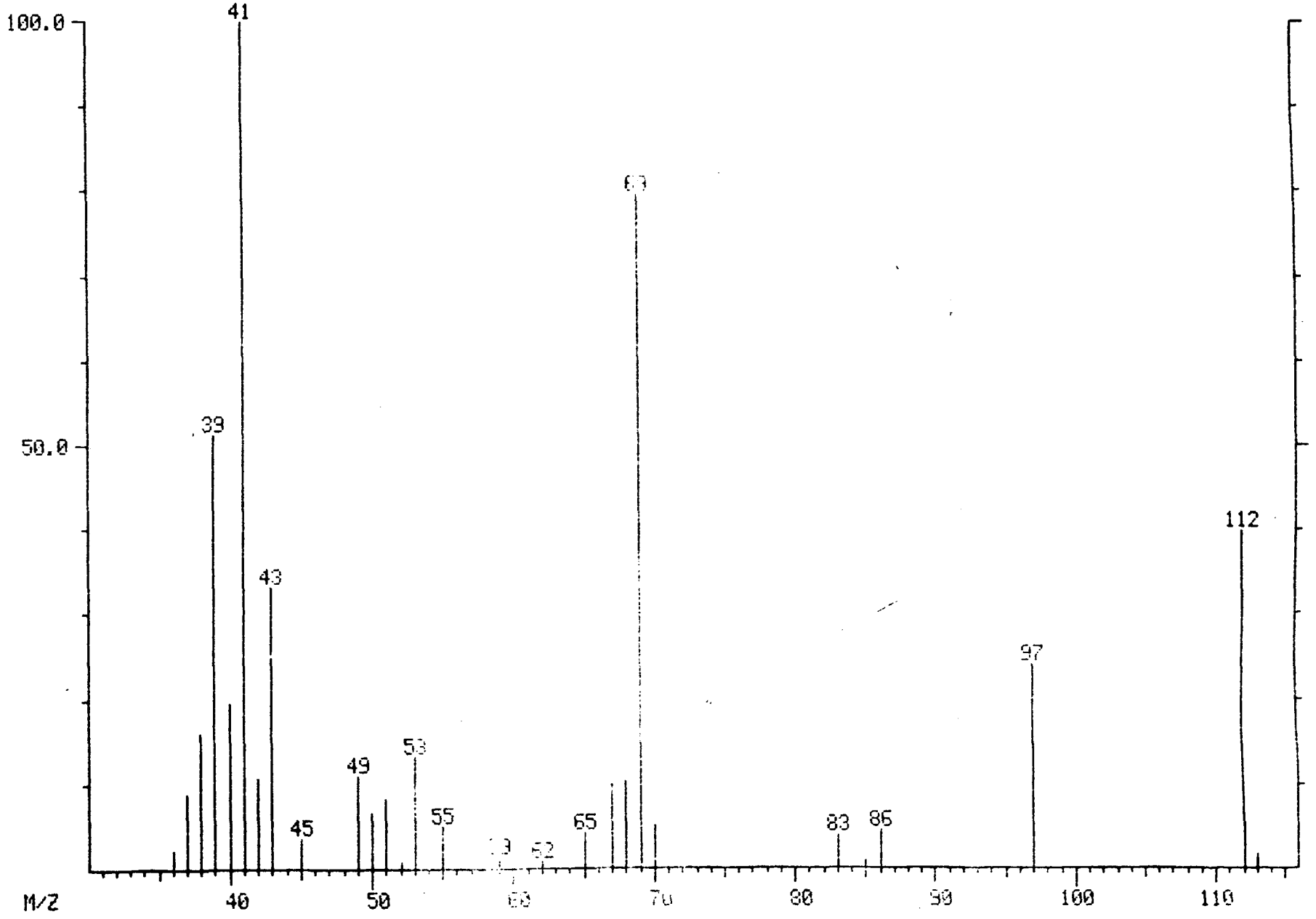


MASS SPECTRUM
04/19/91 12:58:00 + 11:32
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 115 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1163
CALI: APR19GK04 #3

BASE M/Z: 41
RIC: 4688.

002052

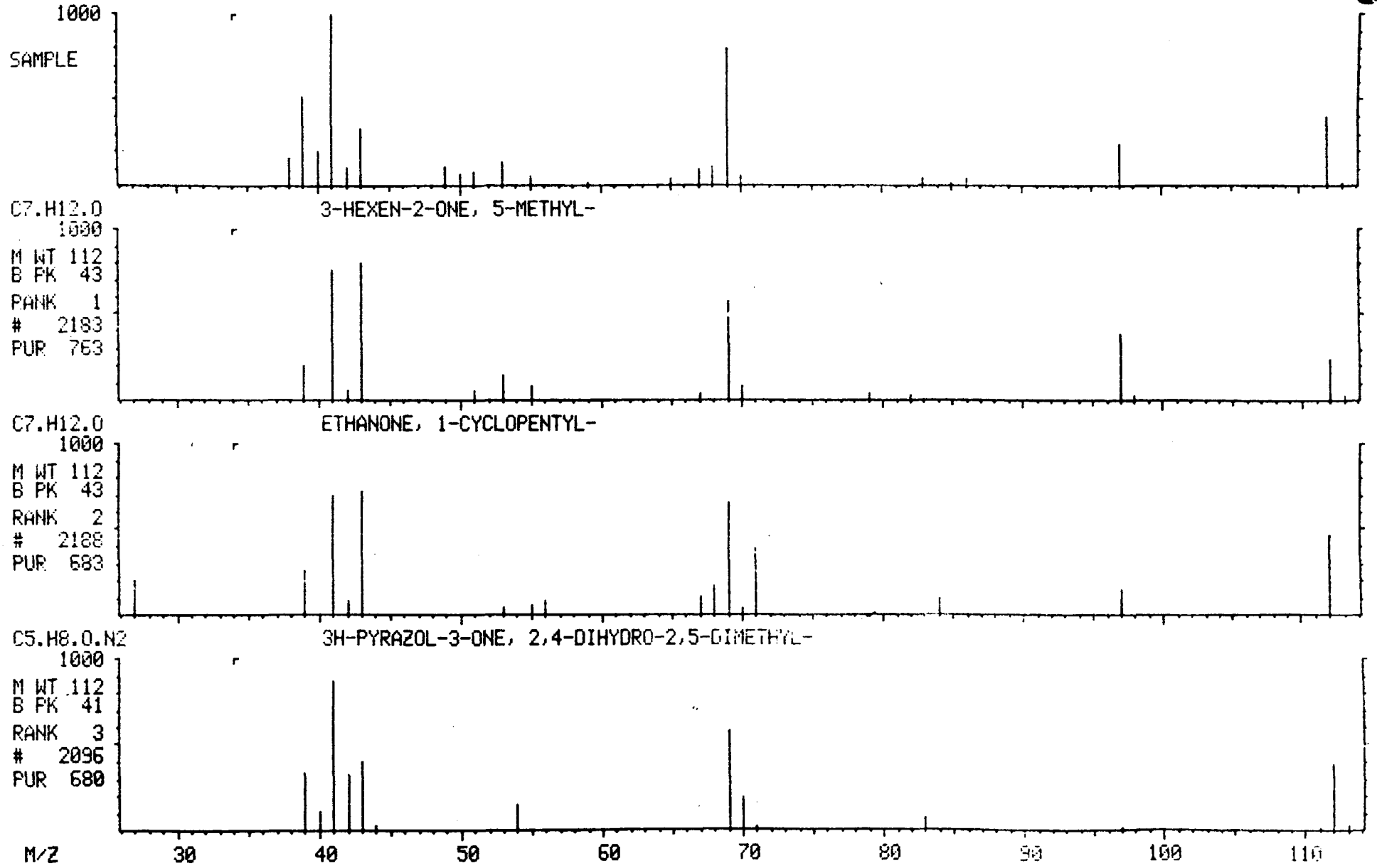


979.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 11:32
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1163
CALI: APR19GK04 # 3

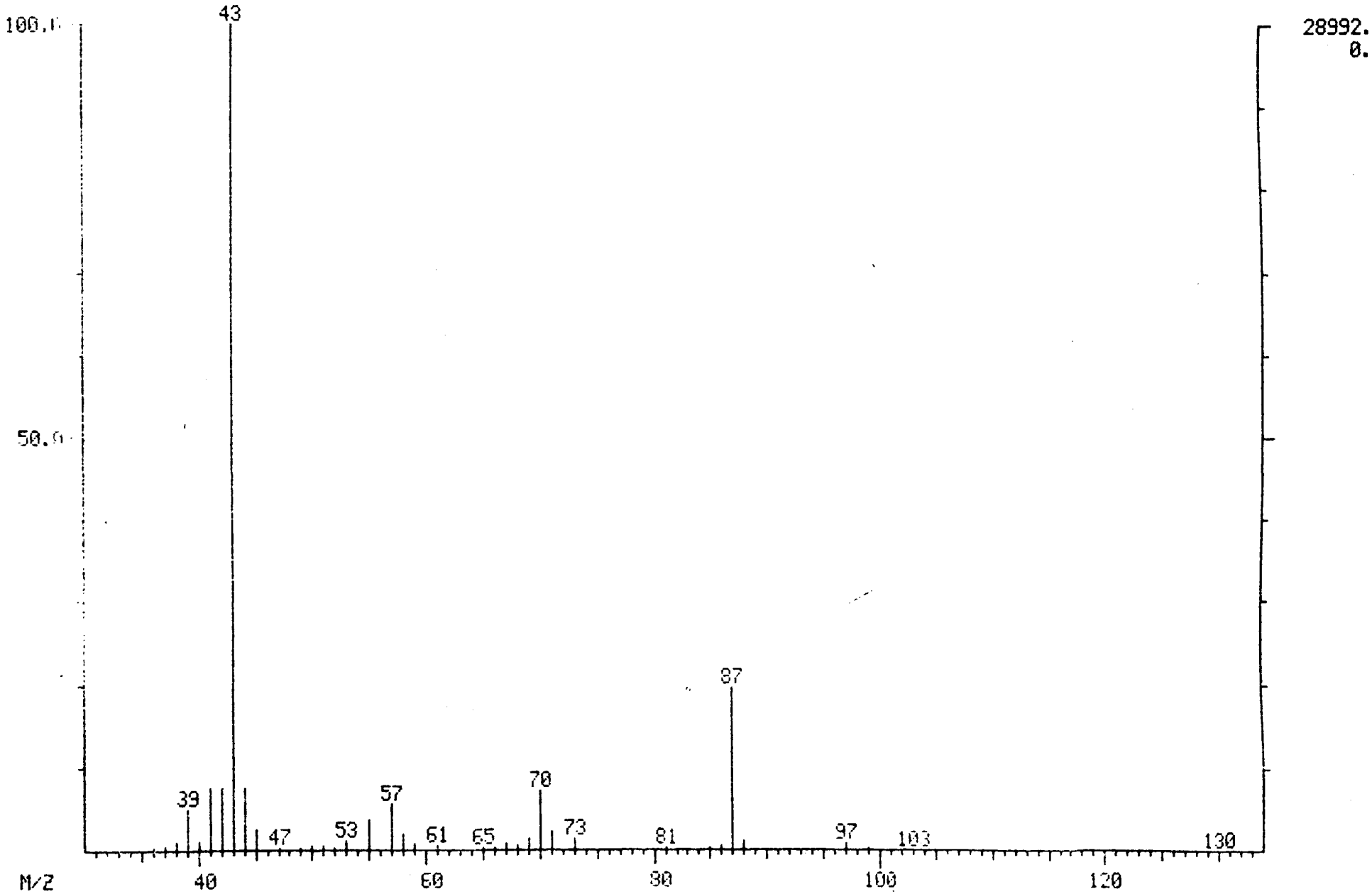
BASE M/Z: 41
RIC: 4528.



MASS SPECTRUM
04/19/91 12:58:00 + 11:38
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1174
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 53888.



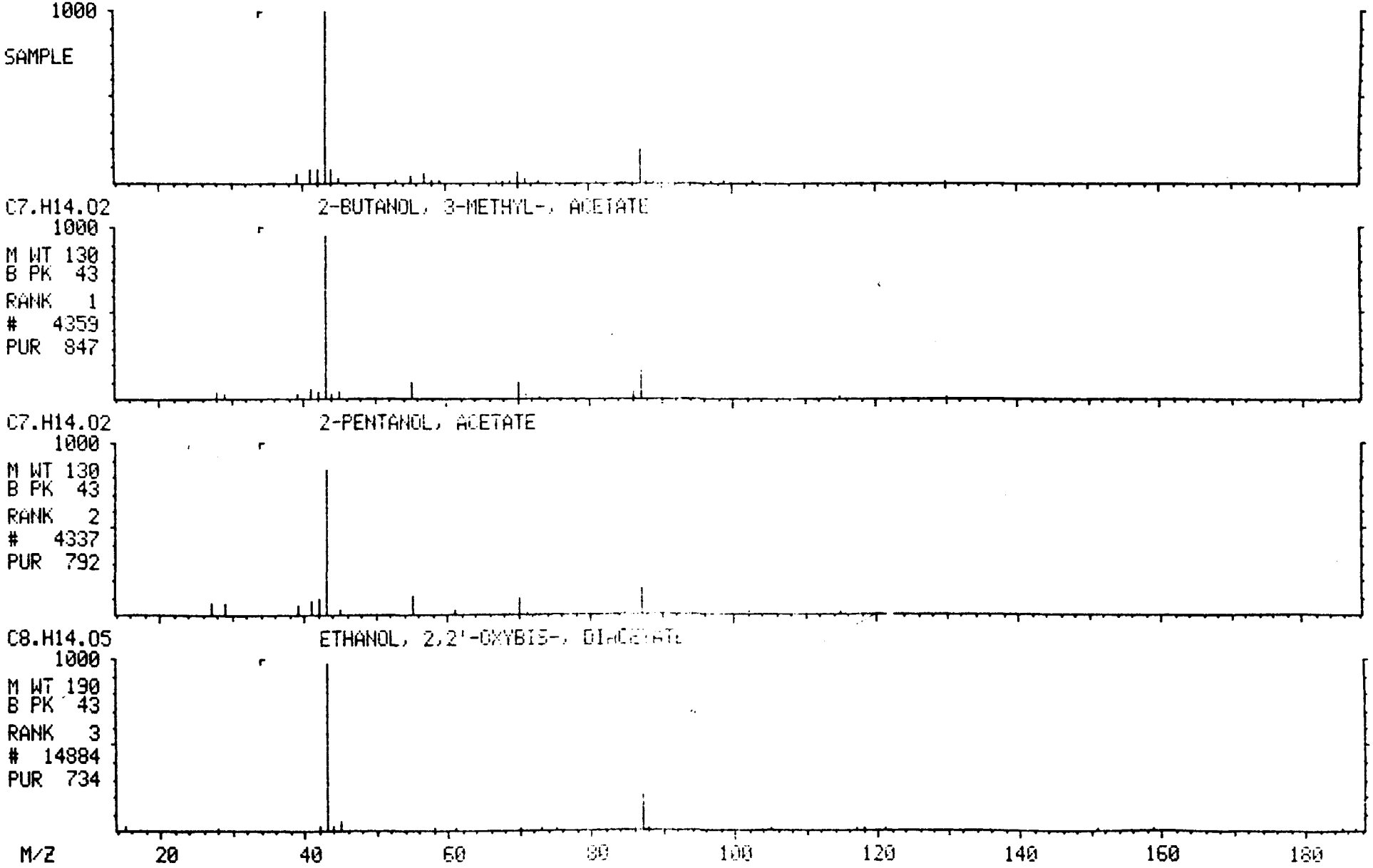
002054

MID LIBRARY SEARCH (LIBRARYHB)
04/19/91 12:58:00 + 11:38
SAMPLE: 90910 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG/MIN 30P E35 CLP
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1174
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 52096.

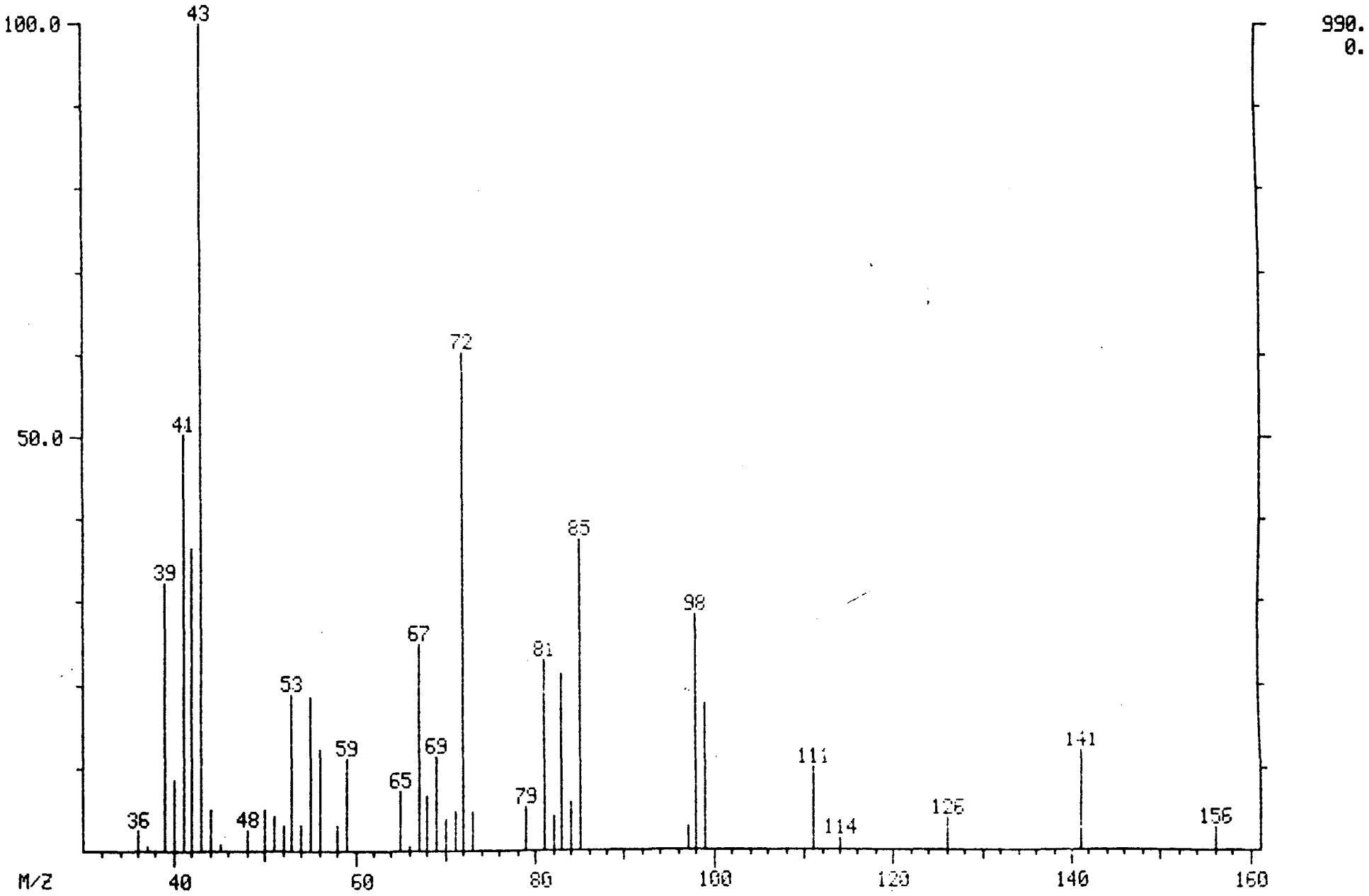
002055



MASS SPECTRUM
04/19/91 12:58:00 + 12:01
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1212
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 6120.



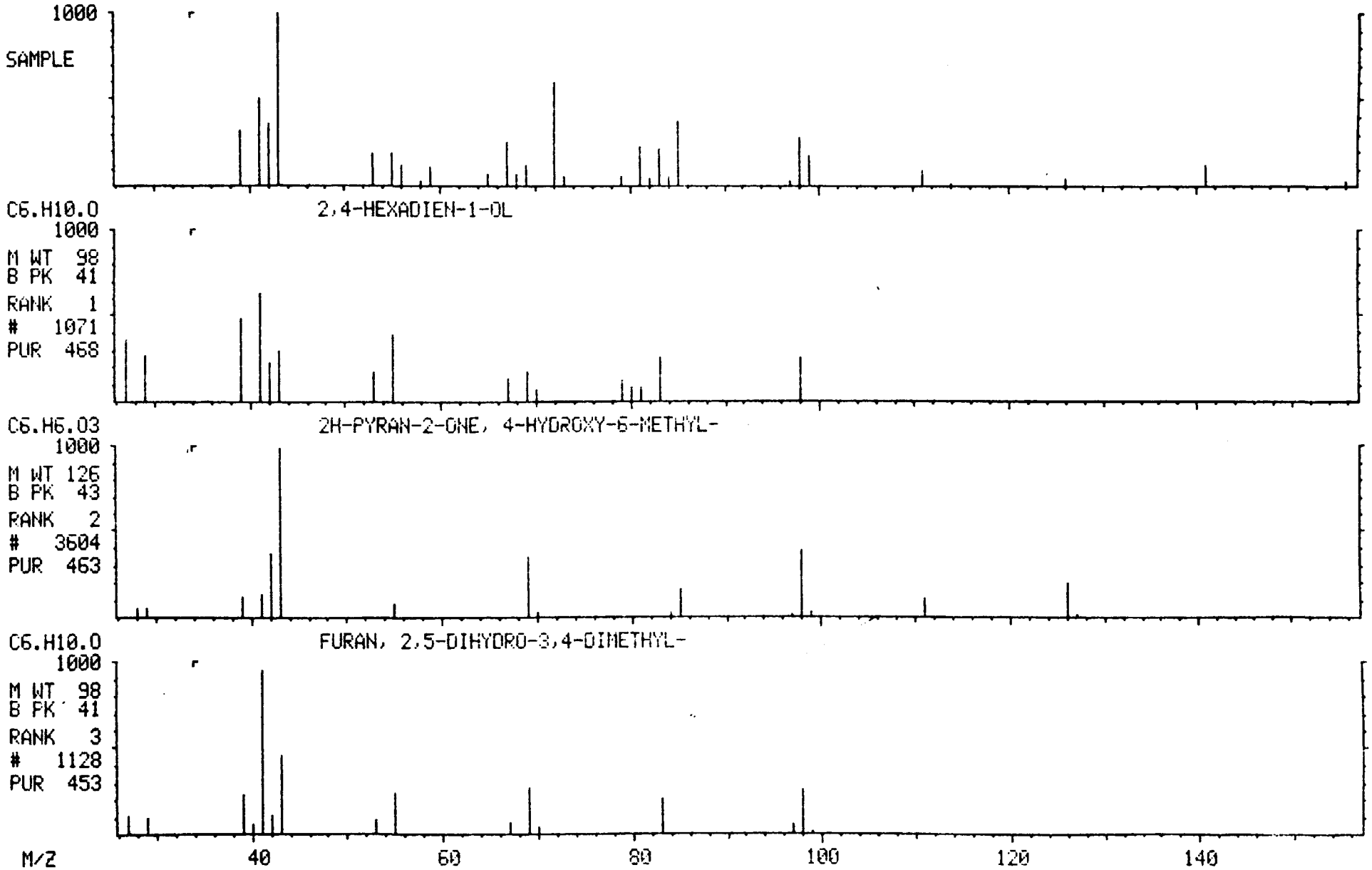
002030

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 12:01
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1212
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 5680.

002057

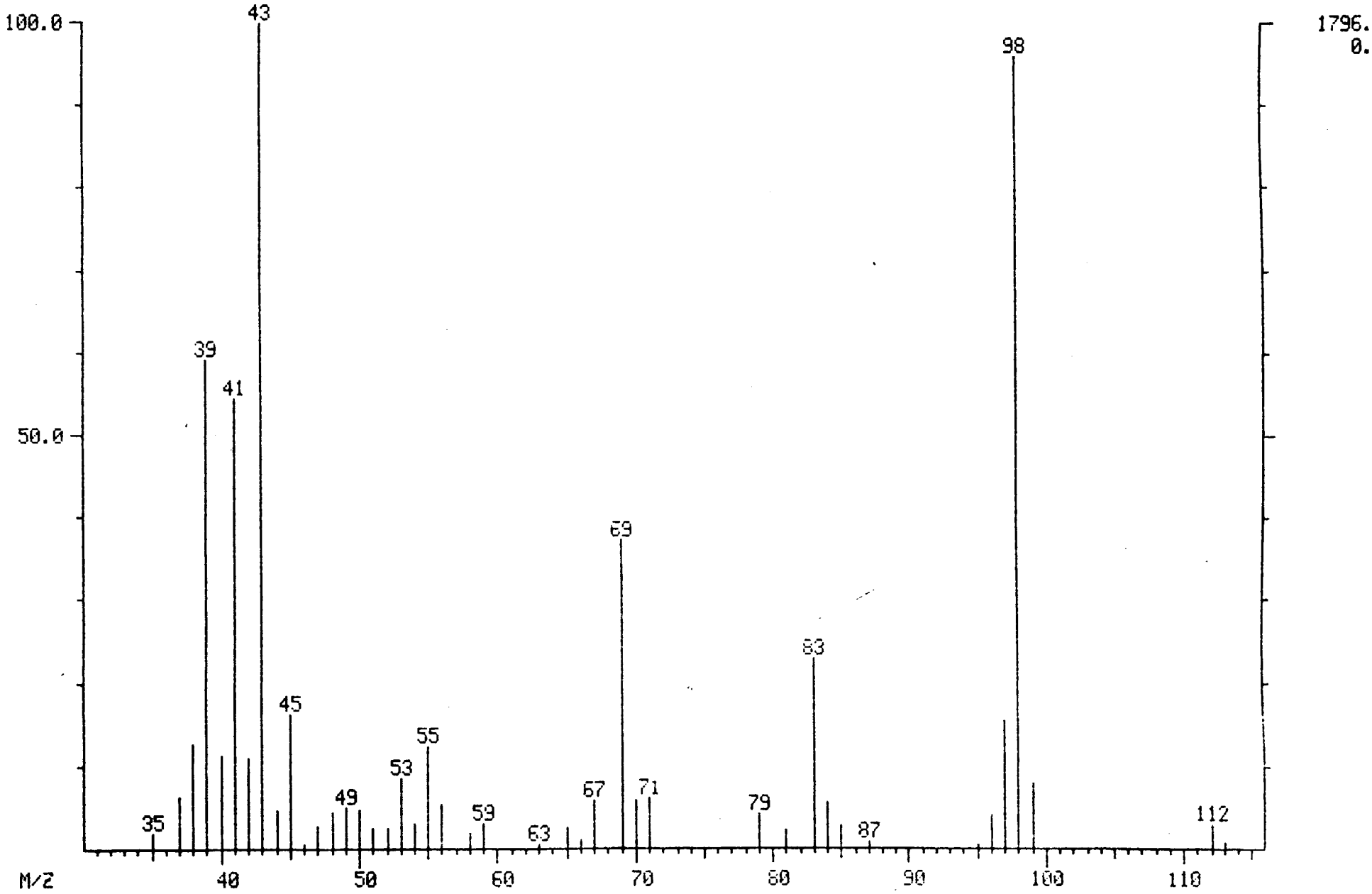


MASS SPECTRUM
04/19/91 12:58:00 + 12:06
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1221
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 10080.

850200

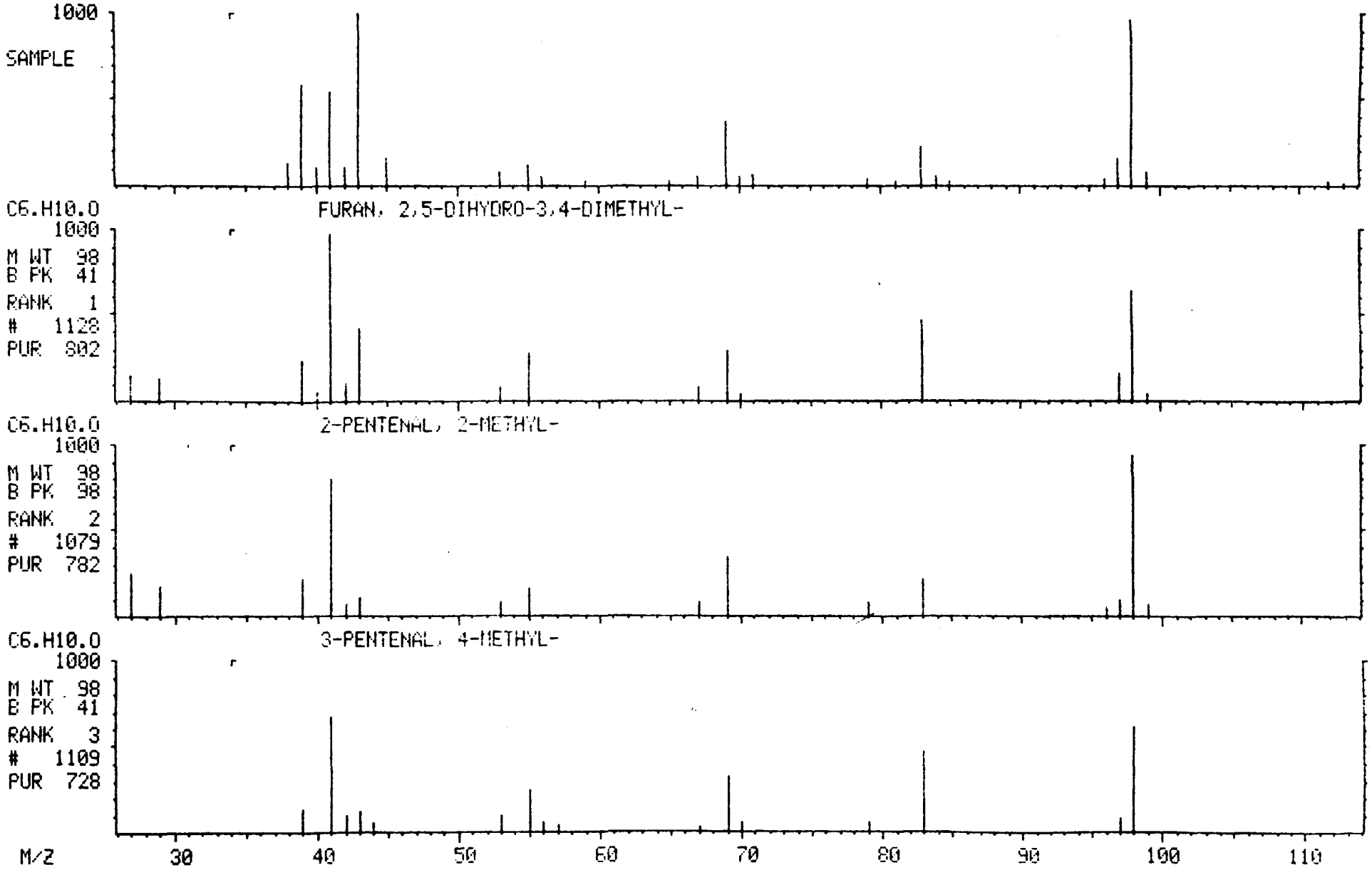


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 12:06
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1221
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 9280.

002059

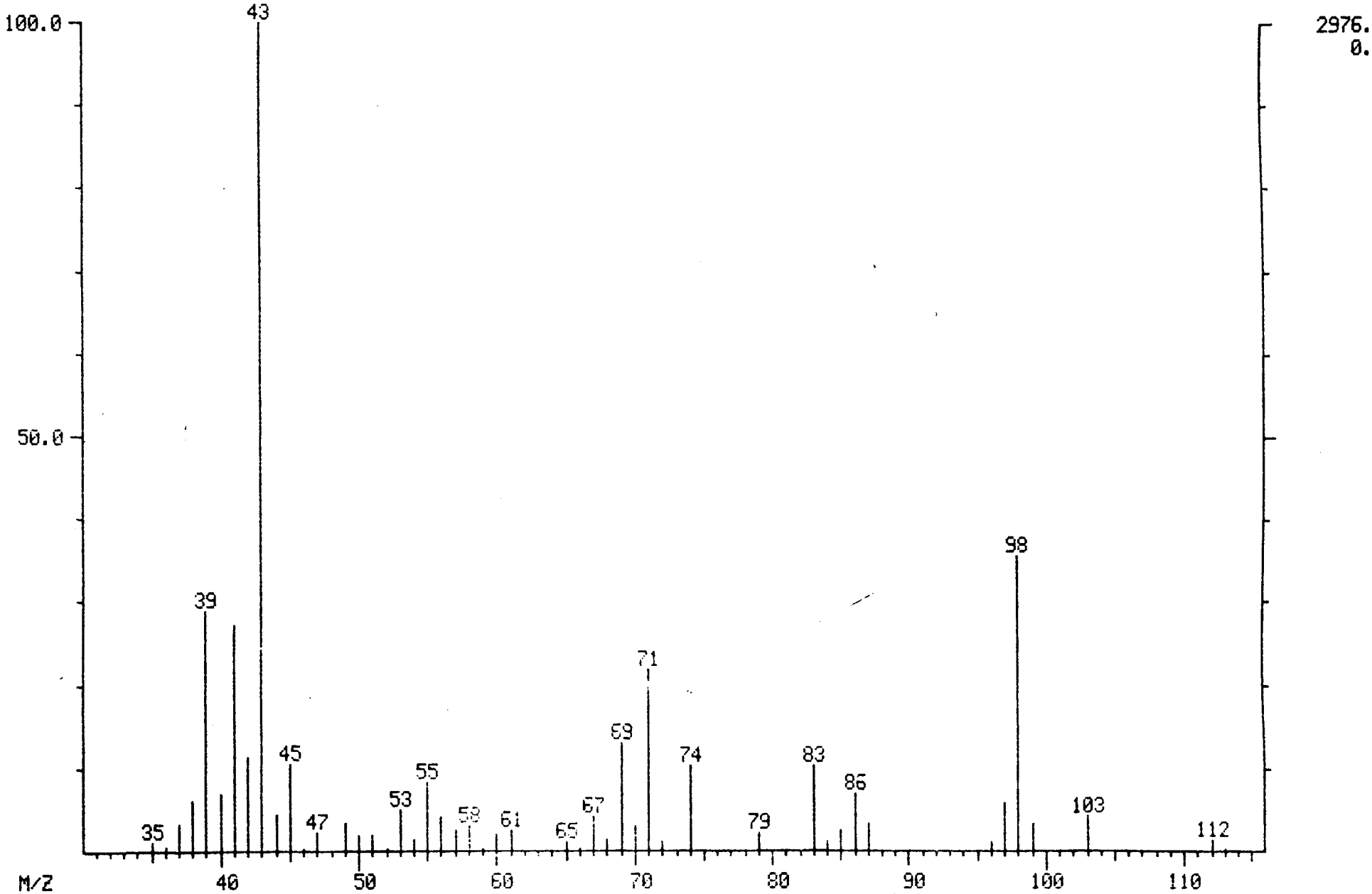


MASS SPECTRUM
04/19/91 12:58:00 + 12:26
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 124 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1254
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 11136.

002060

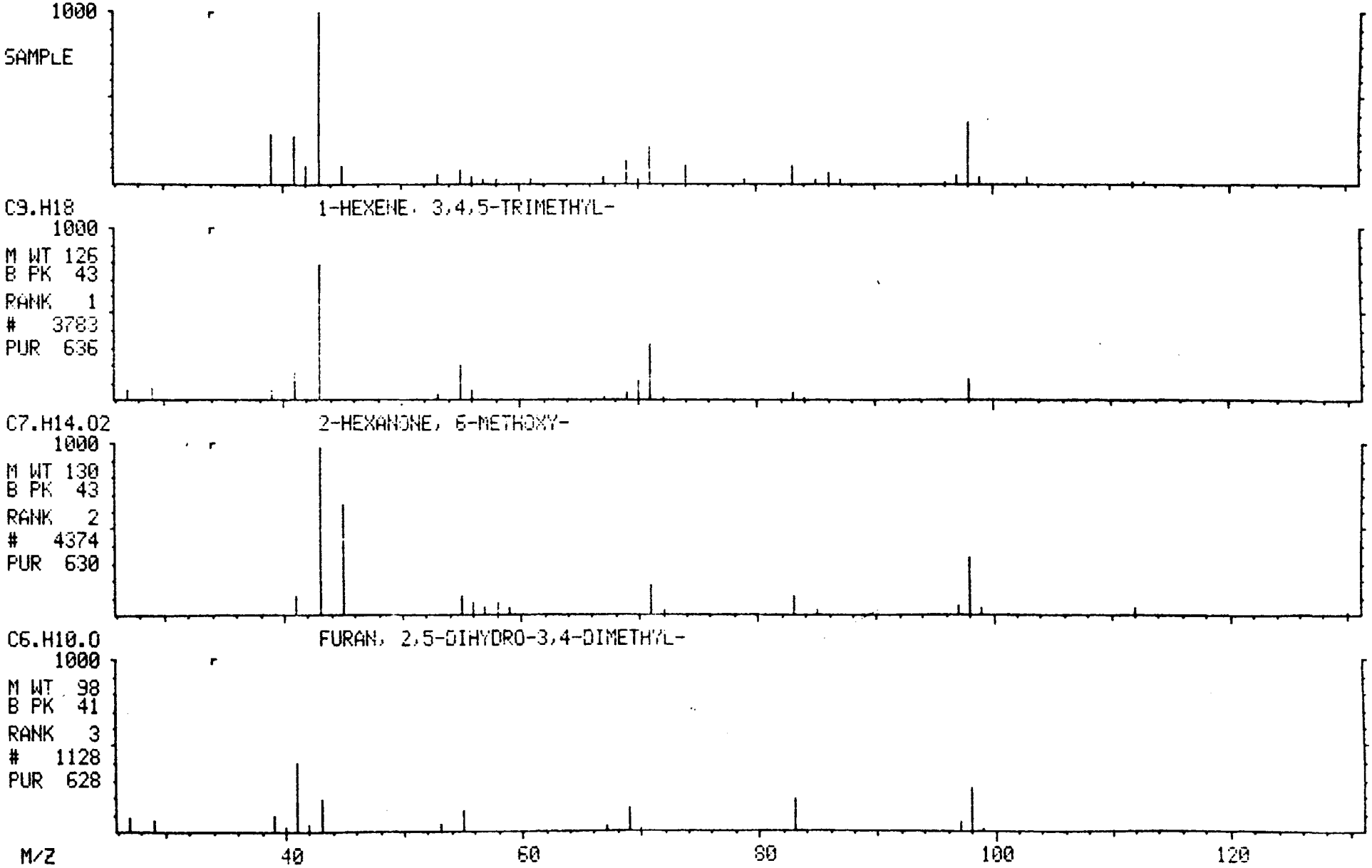


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 12:26
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1254
CALI: APR19GK04 # 3

BASE M/Z: 43
RIC: 9920.

002061

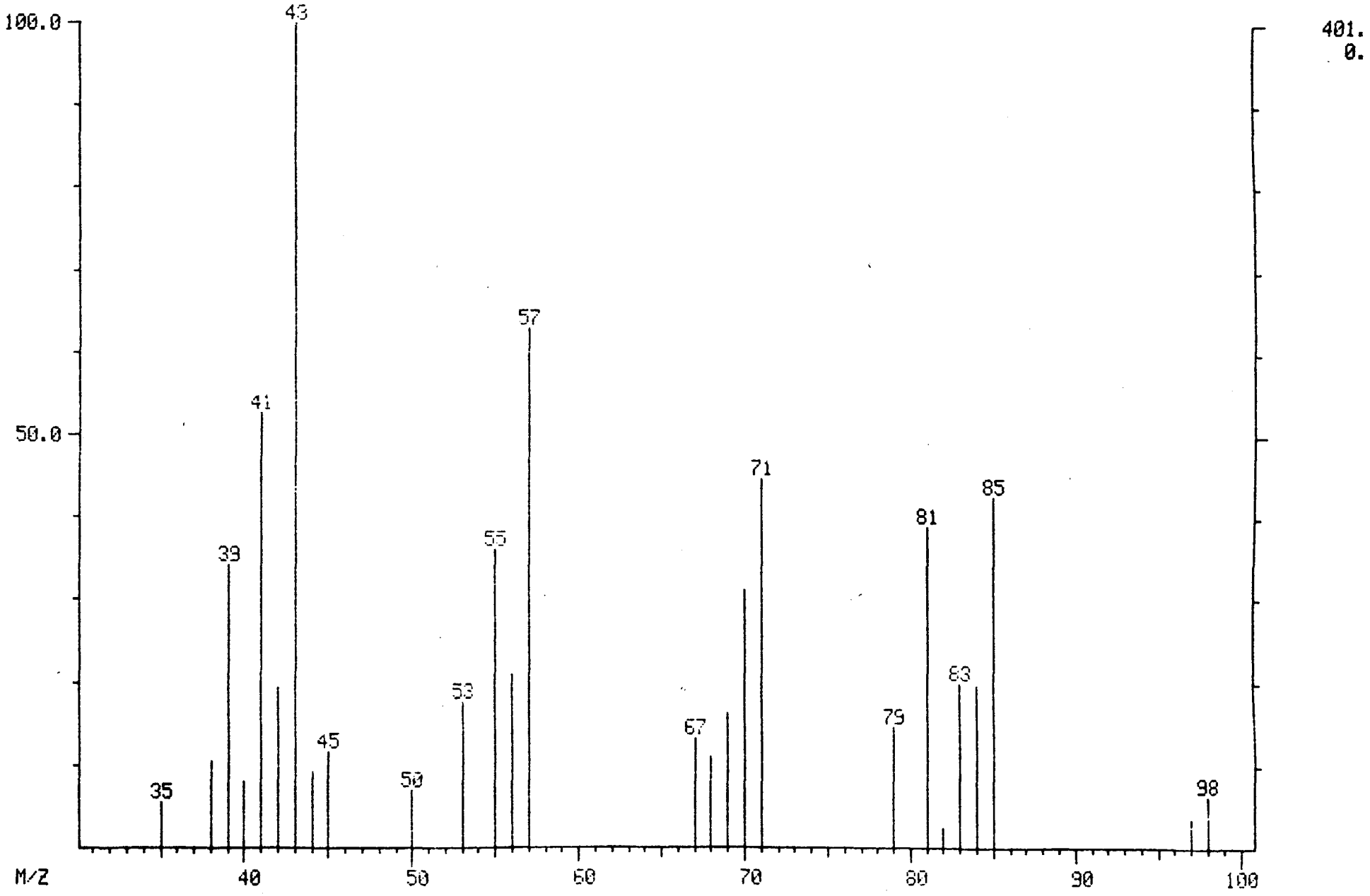


MASS SPECTRUM
04/19/91 12:58:00 + 12:36
SAMPLE: 90310 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 126 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1271
CALI: APR19GK04 #3

BASE M/Z: 43
RIC: 2664.

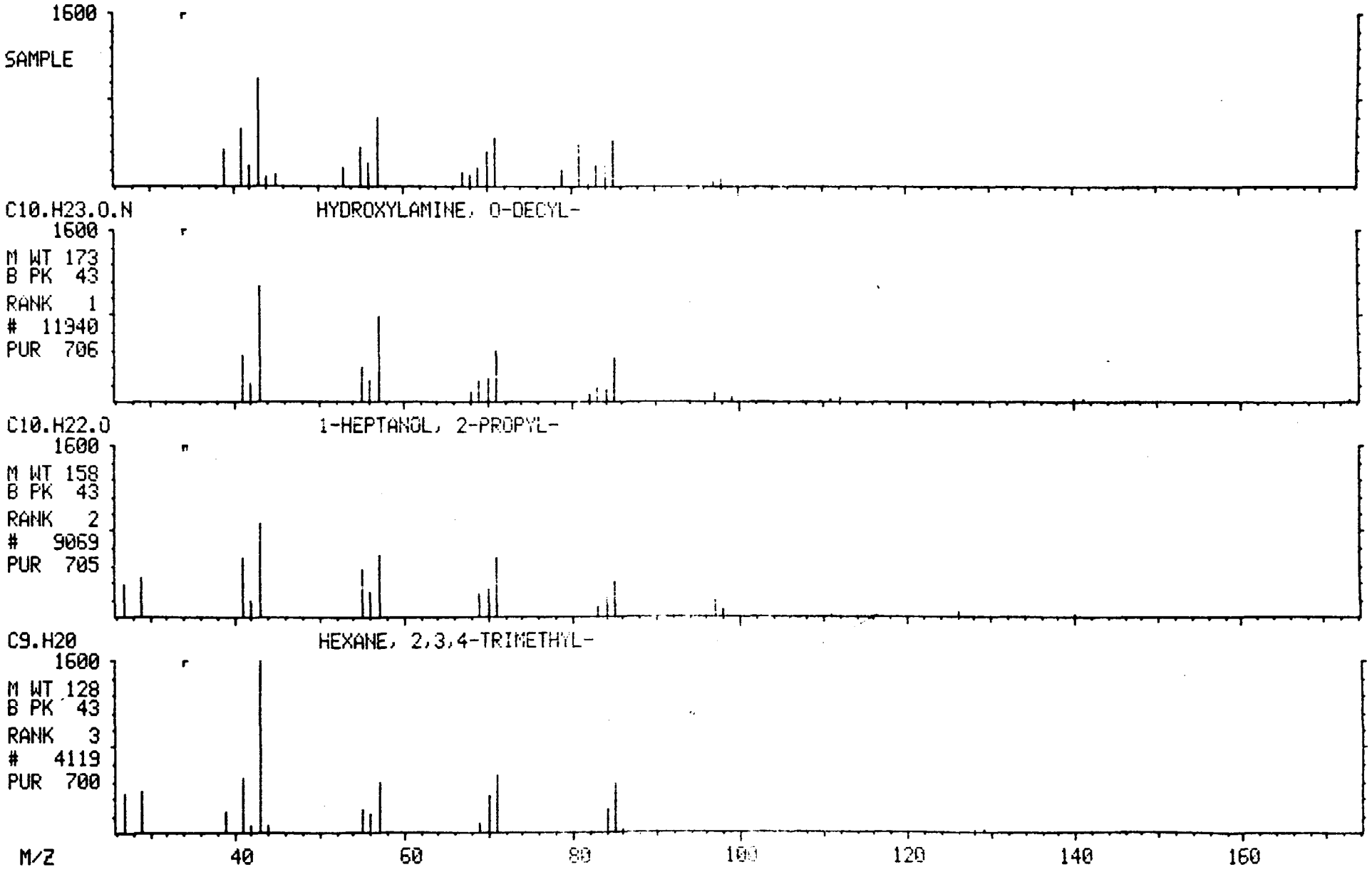
002062



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 12:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #1271
CALI: APR19GK04 # 3

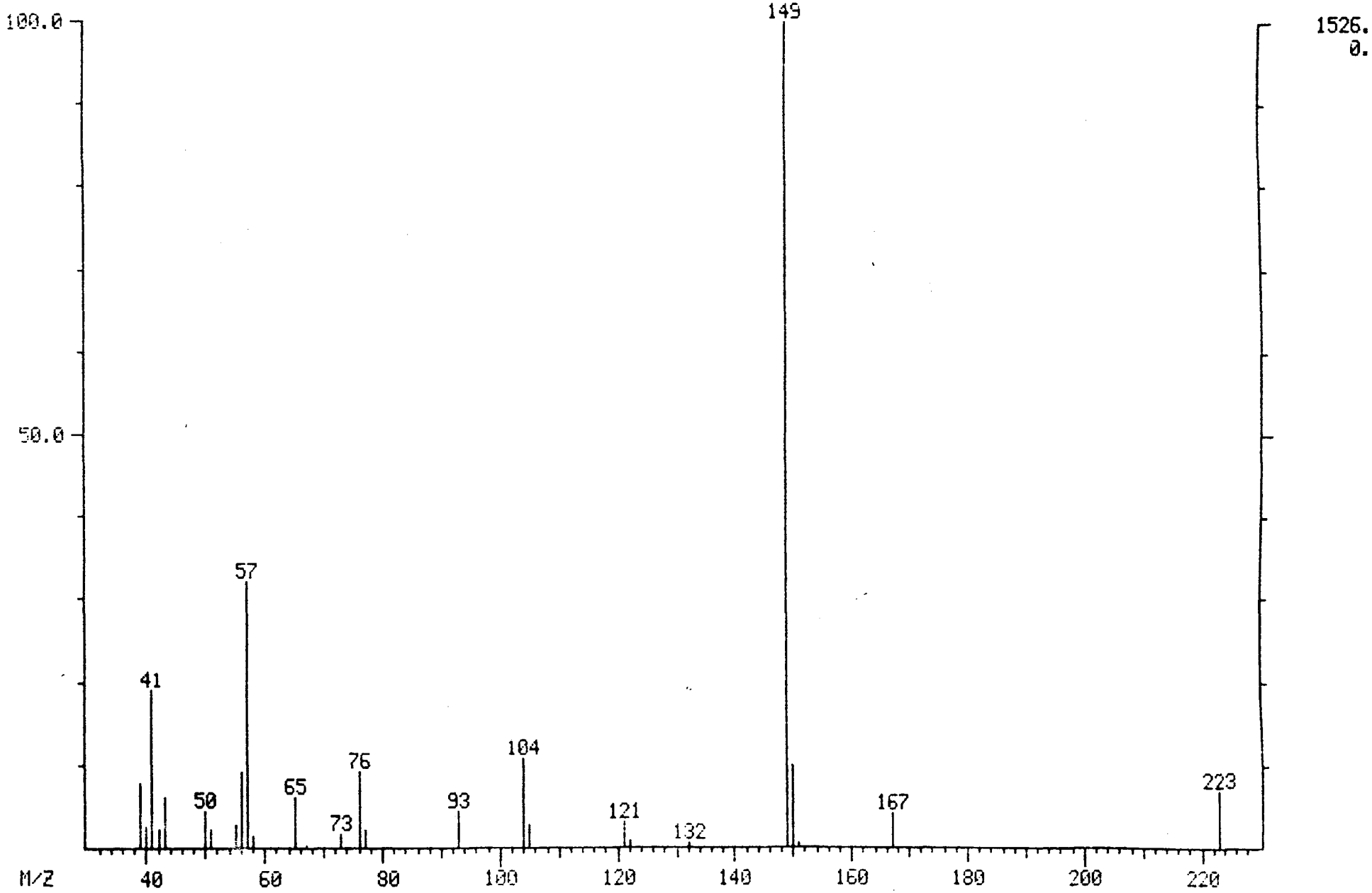
BASE M/Z: 43
RIC: 2540.



MASS SPECTRUM
04/19/91 12:58:00 + 23:58
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2418
CALI: APR19GK04 #3

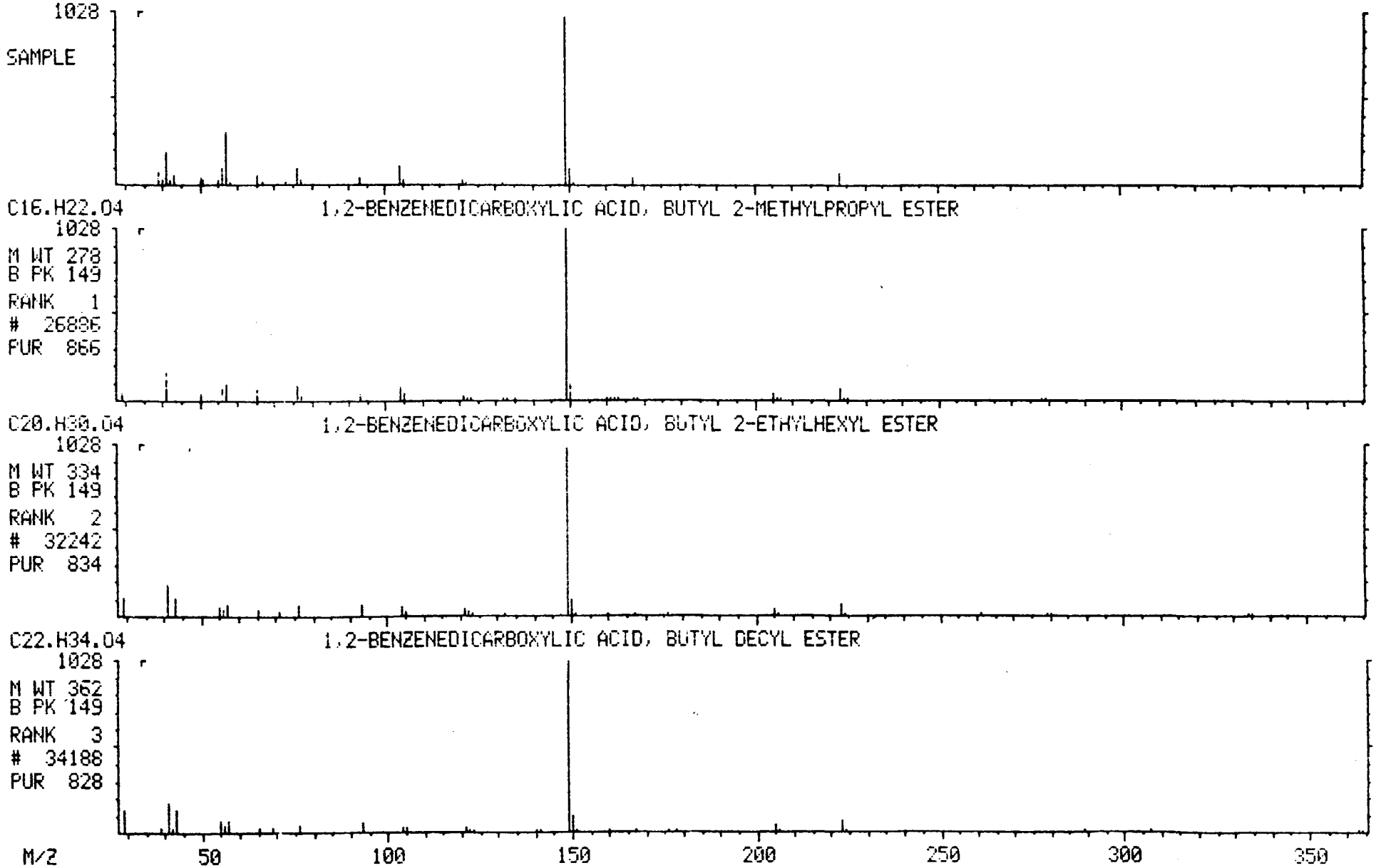
BASE M/Z: 149
RIC: 3860.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 12:58:00 + 23:58
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK04 #2418
CALI: APR19GK04 # 3

BASE M/Z: 149
RIC: 3860.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	860	U
111-44-4	bis(2-Chloroethyl)Ether	860	U
95-57-8	2-Chlorophenol	860	U
541-73-1	1,3-Dichlorobenzene	860	U
106-46-7	1,4-Dichlorobenzene	860	U
100-51-6	Benzyl Alcohol	860	U
95-50-1	1,2-Dichlorobenzene	860	U
95-48-7	2-Methylphenol	860	U
39638-32-9	bis(2-Chloroisopropyl)Ether	860	U
106-44-5	4-Methylphenol	860	U
621-64-7	N-Nitroso-Di-n-Propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
65-85-0	Benzoic Acid	4200	U
111-91-1	bis(2-Chloroethoxy)Methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
120-82-1	1,2,4-Trichlorobenzene	860	U
91-20-3	Naphthalene	860	U
106-47-8	4-Chloroaniline	860	U
87-68-3	Hexachlorobutadiene	860	U
59-50-7	4-Chloro-3-Methylphenol	860	U
91-57-6	2-Methylnaphthalene	860	U
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	4200	U
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	4200	U
131-11-3	Dimethyl Phthalate	860	U
208-96-8	Acenaphthylene	860	U
606-20-2	2,6-Dinitrotoluene	860	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4200	U
83-32-9	Acenaphthene	860	U
51-28-5	2,4-Dinitrophenol	4200	U
100-02-7	4-Nitrophenol	4200	U
132-64-9	Dibenzofuran	860	U
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
7005-72-3	4-Chlorophenyl-phenylether	860	U
86-73-7	Fluorene	860	U
100-10-6	4-Nitroaniline	4200	U
534-52-1	4,6-Dinitro-2-Methylphenol	4200	U
86-30-6	N-Nitrosodiphenylamine (1)	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
87-86-5	Pentachlorophenol	4200	U
85-01-8	Phenanthrene	860	U
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	860	U
129-00-0	Pyrene	860	U
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	860	U
218-01-9	Chrysene	860	U
117-81-7	bis(2-Ethylhexyl)Phthalate	860	U
117-84-0	Di-n-Octyl Phthalate	860	U
205-99-2	Benzo(b)Fluoranthene	860	U
207-08-9	Benzo(k)Fluoranthene	860	U
50-32-8	Benzo(a)Pyrene	860	U
193-39-5	Indeno(1,2,3-cd)Pyrene	860	U
53-70-3	Dibenz(a,h)Anthracene	860	U
191-24-2	Benzo(g,h,i)Perylene	860	U

(1) - Cannot be separated from Diphenylamine

002067

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X112RE

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190910

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR19GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 24 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.55	76	BJ
2.	UNKNOWN ALIP. HYDROCARBON	7.68	63	J
3.	UNKNOWN ALIP. ALCOHOL	8.13	5700	BAJ
4.	UNKNOWN	8.55	110	BJ
5.	UNKNOWN	9.49	70	J
6.	UNKNOWN	9.67	79	J
7.	TETRACHLORO ETHANE	9.77	110	BJ
8.	UNKNOWN	10.15	150	BJ
9.	UNKNOWN	10.55	120	J
10.	UNKNOWN	10.85	66	J
11.	UNKNOWN	11.20	95	BJ
12.	UNKNOWN	11.39	82	BJ
13.	UNKNOWN	11.55	66	J
14.	UNKNOWN	11.65	740	BJ
15.	UNKNOWN	12.02	100	J
16.	UNKNOWN	12.12	140	BJ
17.	UNKNOWN	12.44	160	BJ
18.	UNKNOWN ALIP. HYDROCARBON	12.60	59	J
19.	UNKNOWN	13.34	53	J
20.	UNKNOWN PHTHALATE	23.99	55	J

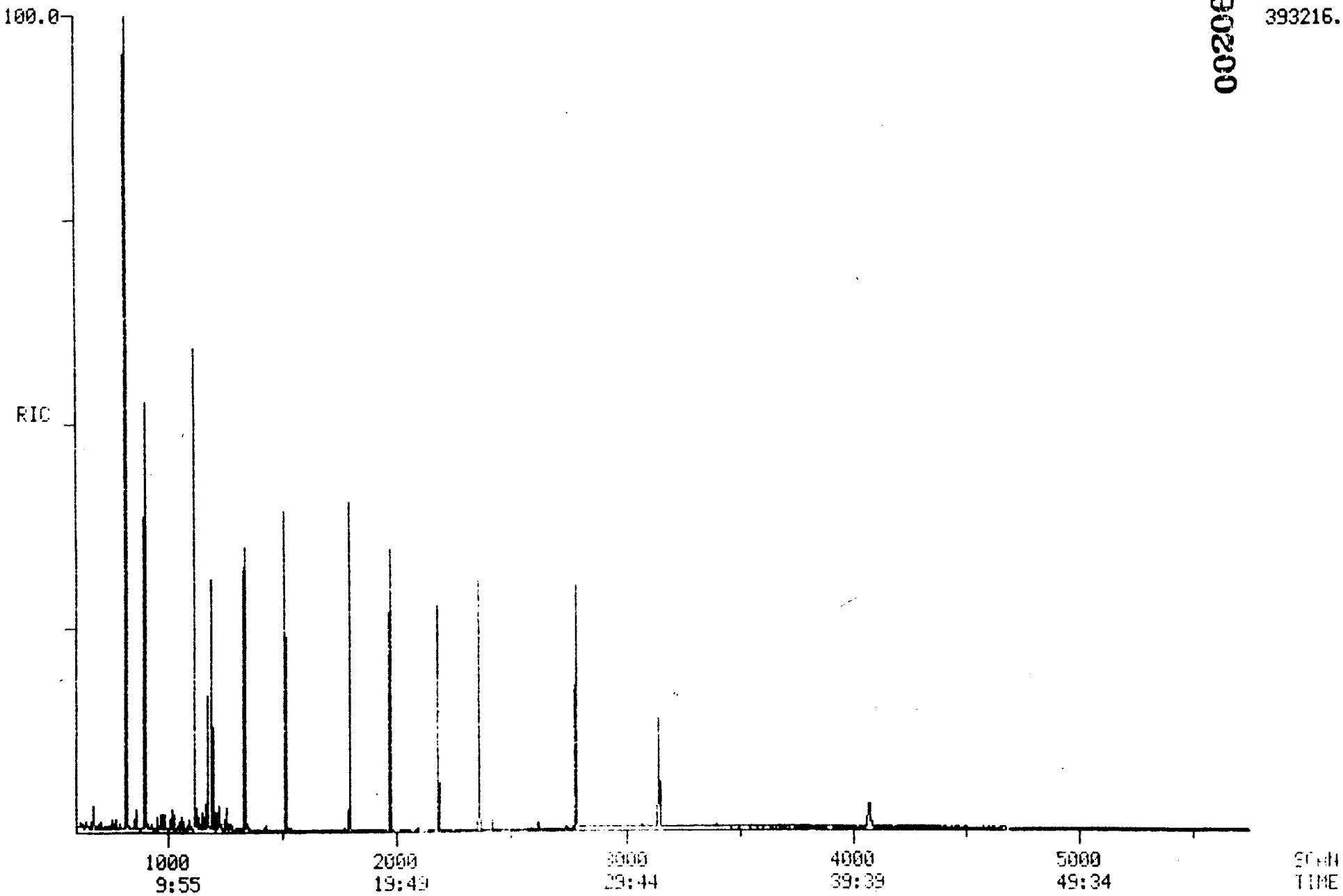
002068

X 112RE

RIC
04/19/91 15:22:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1.5750 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20, 3

DATA: HPR19GK06 #1 SCANS 600 TO 5750
CALI: HPR19GK06 #3

002069



4/19/91 15:22:07
Acquisition started

4/19/91 15:22:11
Acquire Run 3:APR19GK06 Starting
04/19/91 15:22:00 + 0:00 Free sectors: 18882 Scan: 0 of 5750
Sample: 90910 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No:

*** Autosampler is ready ***
AS Desc.: GG Inject. Vol.: 0.5 VIAL: 1
*** GC ready and waiting ***
GC Desc.: BN Elapsed time : 0.0 Min

Seq #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total		
1	40- 40	-	4.0	4.0	Injector A :	260 Deg C
2	40-280	10.0	24.0	28.0	GC oven :	40 Deg C
3	280-280	-	32.0	60.0	Transfer-line:	270 Deg C
					Ion source :	181 Deg C

Valve A : closed Valve B : closed
*** Instrument parameters ***
Post acquisition state -> Filament : Off Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN (2 time windows.)

Sequence Window # 1
Number of cycles: 360
Filament is OFF
Multiplier is OFF

Scan descriptor: BN Mass intervals: 1 Positive ion mode.
Total scan time: 0.595 s Master rate: 16

MPW 3 MFW: 80 MA: 15 TH: 1 BL: 0

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

Sequence Window # 2
Number of cycles: 1
Filament is ON
Multiplier is ON
Scan descriptor: BN Mass intervals: 1 Positive ion mode.
Total scan time: 0.595 s Master rate: 16

MPW 3 MFW: 80 MA: 15 TH: 1 BL: 0

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

Calibration table 1:CALTAB

Interface number	0	
Instrument type	Q	
Full scale mass	1159	u
Zero scale mass	1	u
Intensity/ion	2	
Peak width	1000.	mmu
Offset at low mass	0	mmu

002070

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.00	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 959.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/19/91 16:19:59
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5750	7.5	3419.7	0.2	122882. 21.	36.

002071

Quantitation Report File: APR19GK06

Data: APR19GK06.TI
04/19/91 15:22:00
Sample: 90910 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	0130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	0315 PHENOL
3	0325 BIS(2-CHLOROETHYL)ETHER
4	0330 2-CHLOROPHENOL
5	0335 1,3-DICHLOROBENZENE
6	0340 1,4-DICHLOROBENZENE
7	0350 1,2-DICHLOROBENZENE
8	0345 BENZYL ALCOHOL
9	0355 2-METHYLPHENOL
10	0360 BIS(2-CHLOROISOPROPYL) ETHER
11	0365 4-METHYLPHENOL
12	0370 N-NITROSO-DI-N-PROPYLAMINE
13	0375 HEXACHLOROETHANE
14	0550 2-FLUOROPHENOL (SURROGATE)
15	0545 D5-PHENOL (SURROGATE)
16	1140 D8-NAPHTHALENE (INTERNAL)
17	1410 NITROBENZENE
18	1415 ISOPHORONE
19	1420 2-NITROPHENOL
20	1425 2,4-DIMETHYLPHENOL
21	1430 BENZOIC ACID
22	1435 BIS(2-CHLOROETHOXY) METHANE
23	1440 2,4-DICHLOROPHENOL
24	1445 1,2,4-TRICHLOROBENZENE
25	1450 NAPHTHALENE
26	1455 4-CHLOROANILINE
27	1460 HEXACHLOROBUTADIENE
28	1465 4-CHLORO-3-METHYLPHENOL
29	1470 2-METHYLNAPHTHALENE
30	1520 D5-NITROBENZENE (SURROGATE)
31	1150 D10-ACENAPHTHENE (INTERNAL)
32	1510 HEXACHLOROCYCLOPENTADIENE
33	1515 2,4,6-TRICHLOROPHENOL
34	1520 2,4,5-TRICHLOROPHENOL
35	1525 2-CHLORONAPHTHALENE
36	1530 2-NITROANILINE
37	1535 DIMETHYLPHTHALATE
38	1540 ACENAPHTHYLENE
39	1545 3-NITROANILINE
40	1550 ACENAPHTHENE
41	1555 2,4-DINITROPHENOL
42	1560 4-NITROPHENOL
43	1565 DIBENZOFURAN
44	1543 2,6-DINITROTOLUENE
45	1570 2,4-DINITROTOLUENE
46	1580 DIETHYLPHTHALATE
47	1585 4-CHLOROPHENYL PHENYL ETHER

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No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1194	11:50	1	1.000	A BB	87622.	40.000 UG/L	4.28
2	94	1122	11:07	1	0.940	A BB	662.	0.262 UG/L	0.03
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	45	1269	12:35	1	1.063	A BV	475.	0.129 UG/L	0.01
11	NOT FOUND								
12	70	1298	12:52	1	1.087	A BB	116.	0.067 UG/L	0.01
13	NOT FOUND								
14	112	904	8:58	1	0.757	A BB	173309.	118.112 %	12.65
15	96	1120	11:06	1	0.938	A BB	216275.	129.804 %	13.90
16	136	1514	15:00	16	1.000	A BB	206939.	40.000 UG/L	4.28
17	77	1336	13:15	16	0.882	A BB	554.	0.229 UG/L	0.02
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	127	1519	15:03	16	1.003	A BB	250.	0.051 UG/L	0.01
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	142	1597	15:49	16	1.121	A BB	56.	0.019 UG/L	0.00
30	80	1336	13:15	16	0.882	A BV	140348.	110.238 %	11.81
31	152	1514	15:34	31	1.000	A BB	90202.	40.000 UG/L	4.28
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
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	[illegible]	1179	11:49	31	1.061	A BB	62.	0.020 UG/L	0.00
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	147568.	131.041 %	14.04

002073

Quantitation Report File APR190/06

Data [illegible]
[illegible]
[illegible]
Column 40 TO 270 @ 10 DEG/MIN 30M DBS CAP.
Matrix: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

Amount=AREA * REF AMNT/(REF AREA * RESP FACT)
Ref [illegible] from Library Entry

[illegible]
[illegible] 2,4,6-TRIBROMOPHENOL (SURROGATE)
[illegible] 9,10-PHENANTHRENE (INTERNAL)
[illegible] 4,6-DINITRO-2-METHYLPHENOL
[illegible] 4-BROMOPHENYL PHENYL ETHER
[illegible] HEXACHLOROBENZENE
[illegible] PENTACHLOROPHENOL
[illegible] PHENANTHRENE
[illegible] ANTHRACENE
[illegible] DI-n-BUTYL PHTHALATE
[illegible] FLUORANTHENE
[illegible] PYRENE
[illegible]
[illegible] DIPHENYLAMINE
[illegible] (INTERNAL)
[illegible] BENZYL PHTHALATE
[illegible] 3,3'-DICHLOROBENZIDINE
[illegible] BENZO(a)ANTHRACENE
[illegible] BIS(2-ETHYLHEXYL)PHTHALATE
[illegible] CHRYSENE
[illegible] (SURROGATE)
[illegible] (INTERNAL)
[illegible] DI-n-OCTYL PHTHALATE
[illegible] BENZO(b)FLUORANTHENE
[illegible] BENZO(k)FLUORANTHENE
[illegible] BENZO(a)PYRENE
[illegible] INDENO(1,2,3-cd)PYRENE
[illegible] DIBENZO(a,h)ANTHRACENE
[illegible] BENZO(g,h,i)PERYLENE

	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
[illegible]	[illegible]	21.38	31	1.105	A BB	22020.	105.518 %	11.30
[illegible]	2361	23.24	52	1.000	A BV	139509.	40.000 UG/L	4.28
[illegible]	NOT FOUND							
[illegible]	NOT FOUND							
[illegible]	NOT FOUND							
[illegible]	NOT FOUND							
[illegible]	2367	23:28	52	1.003	A BB	480.	0.131 UG/L	0.01
[illegible]	NOT FOUND							
[illegible]	2521	24:59	52	1.068	A BB	900.	0.180 UG/L	0.02
[illegible]	2685	26:37	52	1.137	A BB	590.	0.181 UG/L	0.02
[illegible]	NOT FOUND							
[illegible]	2745	27:13	52	1.163	A BB	634.	0.196 UG/L	0.02
[illegible]	NOT FOUND							
[illegible]	3147	31.12	64	1.000	A BB	81827.	40.000 UG/L	4.28
[illegible]	2933	29:04	64	0.932	A BB	162.	0.086 UG/L	0.01

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	NOT	FOUND								
67	228	3141	31:08	64	0.998	A BB	96.	0.044	UG/L	0.00
68	149	3165	31:22	64	1.006	A BB	406.	0.207	UG/L	0.02
69	228	3157	31:18	64	1.003	A BB	180.	0.087	UG/L	0.01
70	244	2784	27:36	64	0.885	A BB	117116.	97.128	%	10.40
71	264	4073	40:22	71	1.000	A BB	37587.	40.000	UG/L	4.28
72	NOT	FOUND								
73	NOT	FOUND								
74	NOT	FOUND								
75	NOT	FOUND								
76	NOT	FOUND								
77	NOT	FOUND								
78	NOT	FOUND								

Quantitation Report File: APR19GK06A

Data: APR19GK06.TI
04/19/91 15:22:00
Sample: 90910 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.043
Resp. Fac. from Library Entry

$\frac{1634540}{504948} \times 40 \times \frac{1}{30.25} \times \frac{1}{100} = 0.043$

No	CAS #	Name
1	1809-10-5	PENTANE, 3-BROMO-
2	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
3	75-91-2	HYDROPEROXIDE, 1,1-DIMETHYLETHYL
4	57266-86-1	2-HEPTENAL, (Z)-
5	5362-50-5	3-PENTENAL, 4-METHYL-
6	918-00-3	2-PROPANONE, 1,1,1-TRICHLORO-
7	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
8	38[illegible]-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
9	20019-64-1	2(5H)-FURANONE, 5,5-DIMETHYL-
10	115-18-4	3-BUTEN-2-OL, 2-METHYL-
11	52720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
12	[illegible]-92-3	1,2-CYCLOPENTANEDIOL, 1-(1-METHYLETHYL)-, TRANS-
13	5166-53-0	3-HEXEN-2-ONE, 5-METHYL-
14	9043-96-4	2-BUTANOL, 3-METHYL-, ACETATE
15	[illegible]-10-5	2H-PYRAN-2-ONE, 4-HYDROXY-6-METHYL-
16	[illegible]-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
17	5[illegible]-10-0	1-HEXENE, 3,4,5-TRIMETHYL-
18	[illegible]-79-1	HYDROXYLAMINE, O-DECYL-
19	[illegible]-05-0	PENTANOIC ACID, 2,2-DIMETHYL-, ETHENYL ESTER
20	[illegible]-52-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST

No	Type	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	762	7:33	3	0.928	A BB	22218.UNK	0.058B	0.95
2	RIC	775	7:41	3	0.944	A BB	18134.HC	0.048	0.78
3	RIC	821	8:08	3	1.000	A BB	1634540.Alcohol	4.300BA	70.18
4	RIC	863	8:33	3	1.051	A BB	32100.UNK	0.084B	1.38
5	RIC	957	9:29	3	1.166	A BB	20271.UNK	0.053	0.87
6	RIC	976	9:40	3	1.189	A VB	22988.UNK	0.060	0.99
7	RIC	985	9:46	3	1.200	A BB	30946.Below	0.081B	1.33
8	RIC	1024	10:09	3	1.247	A BB	44410.UNK	0.117B	1.91
9	RIC	1064	10:33	3	1.296	A BB	33605.UNK	0.088	1.44
10	RIC	1095	10:51	3	1.334	A VV	19129.UNK	0.050	0.82
11	RIC	1130	11:12	3	1.376	A VB	27430.UNK	0.072B	1.18
12	RIC	1149	11:23	3	1.400	A BB	23408.UNK	0.062B	1.01
13	RIC	1165	11:33	3	1.419	A BB	19031.UNK	0.050	0.82
14	RIC	1175	11:39	3	1.431	A BB	214965.UNK	0.566B	9.23
15	RIC	1213	12:01	3	1.477	A BB	29474.UNK	0.078	1.27
16	RIC	1223	12:07	3	1.490	A VV	40408.UNK	0.106B	1.73
17	RIC	1255	12:26	3	1.529	A BB	47502.UNK	0.125B	2.04
18	RIC	1272	12:36	3	1.549	A BB	17164.HC	0.045	0.74
19	RIC	1345	13:20	3	1.638	A VV	15294.UNK	0.040	0.66
20	RIC	2419	23:59	3	2.946	A BB	16077.Naphth	0.042	0.69

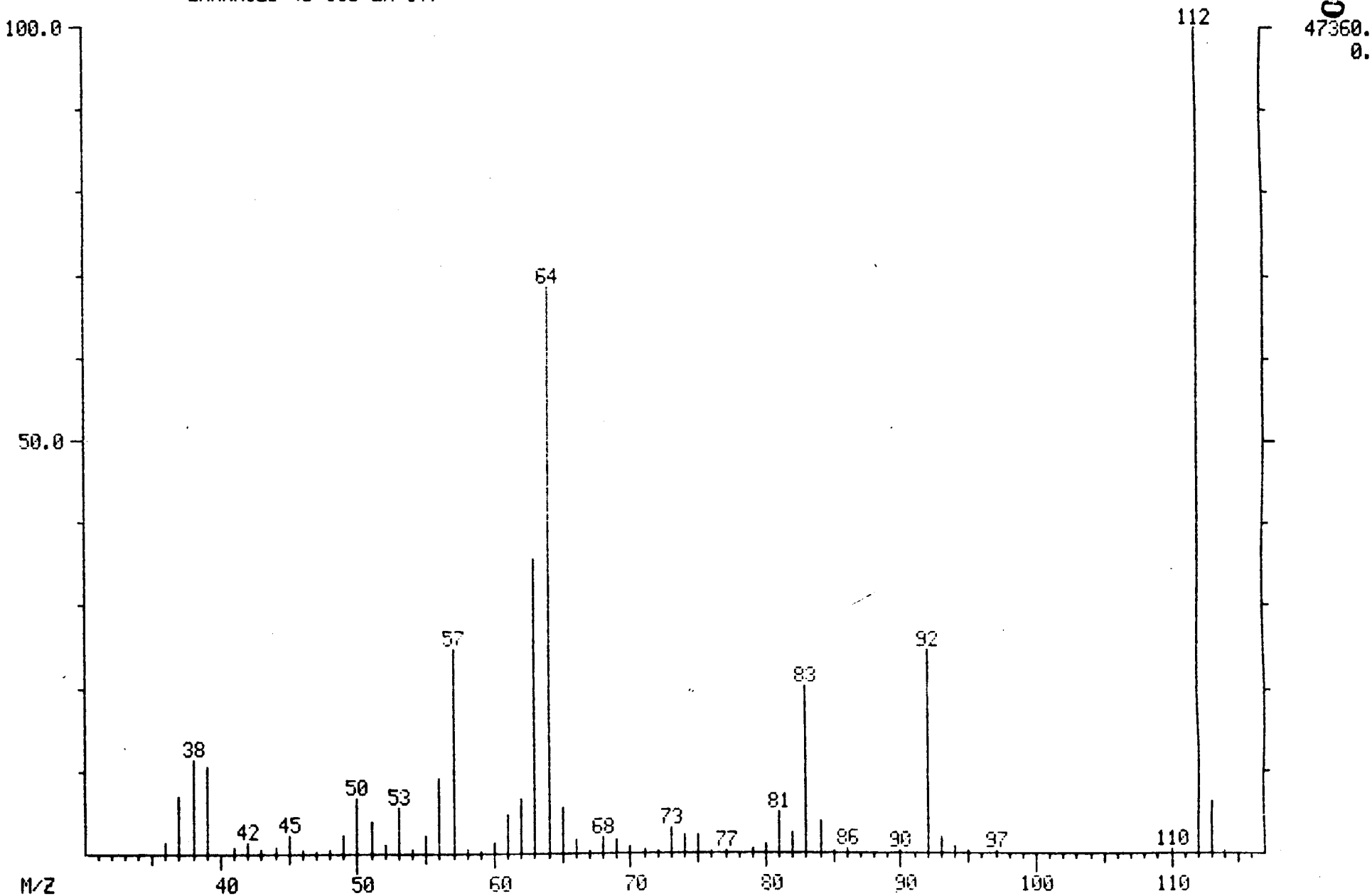
Tetrachloro Ethane #7

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 15:22:00 + 8:58
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 90 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #904
CALI: APR19GK06 #3

BASE M/Z: 112
RIC: 189952.



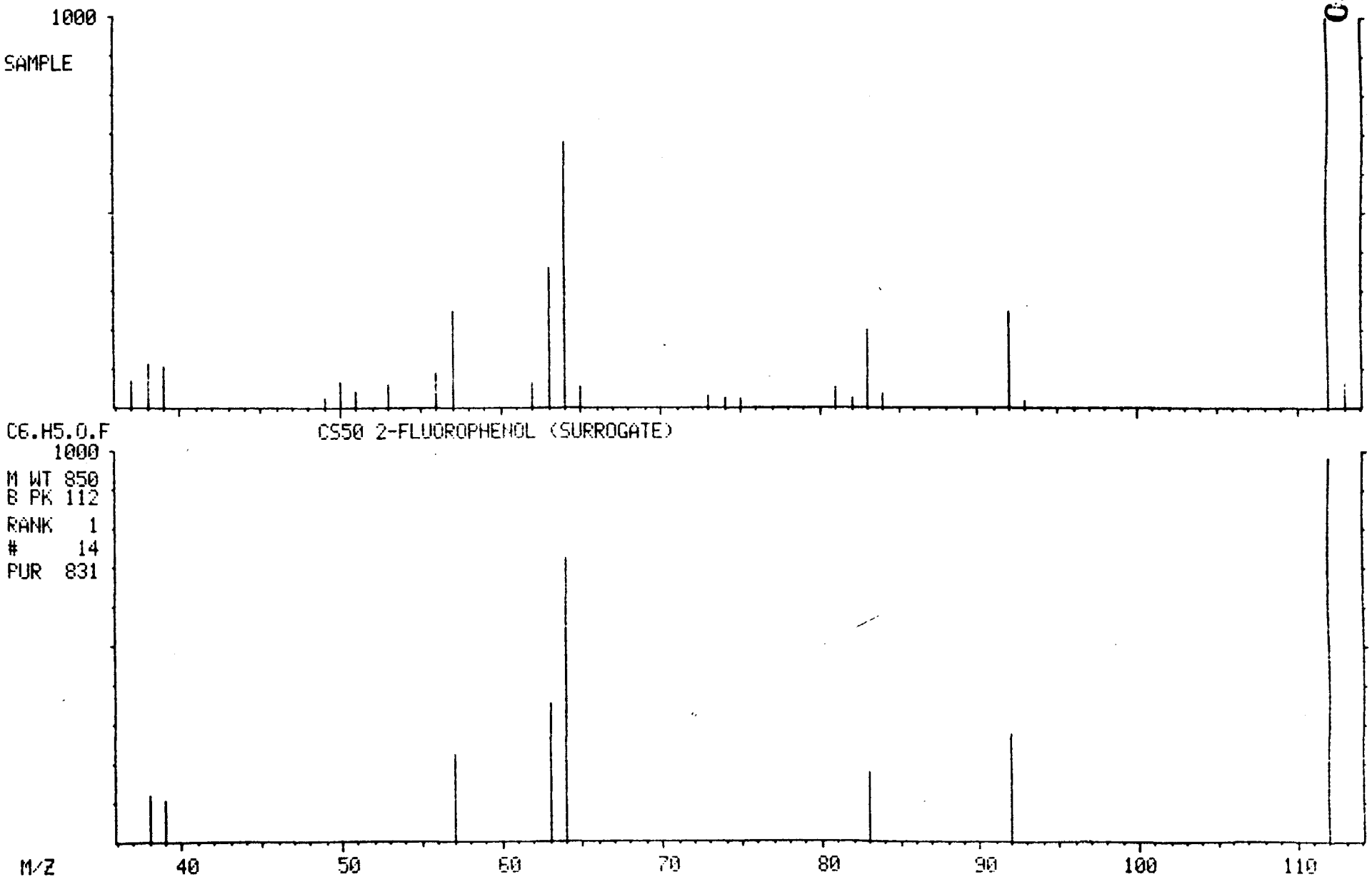
0002075

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 8:58
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 904
CALI: APR19GK06 # 3

BASE M/Z: 112
RIC: 174848.

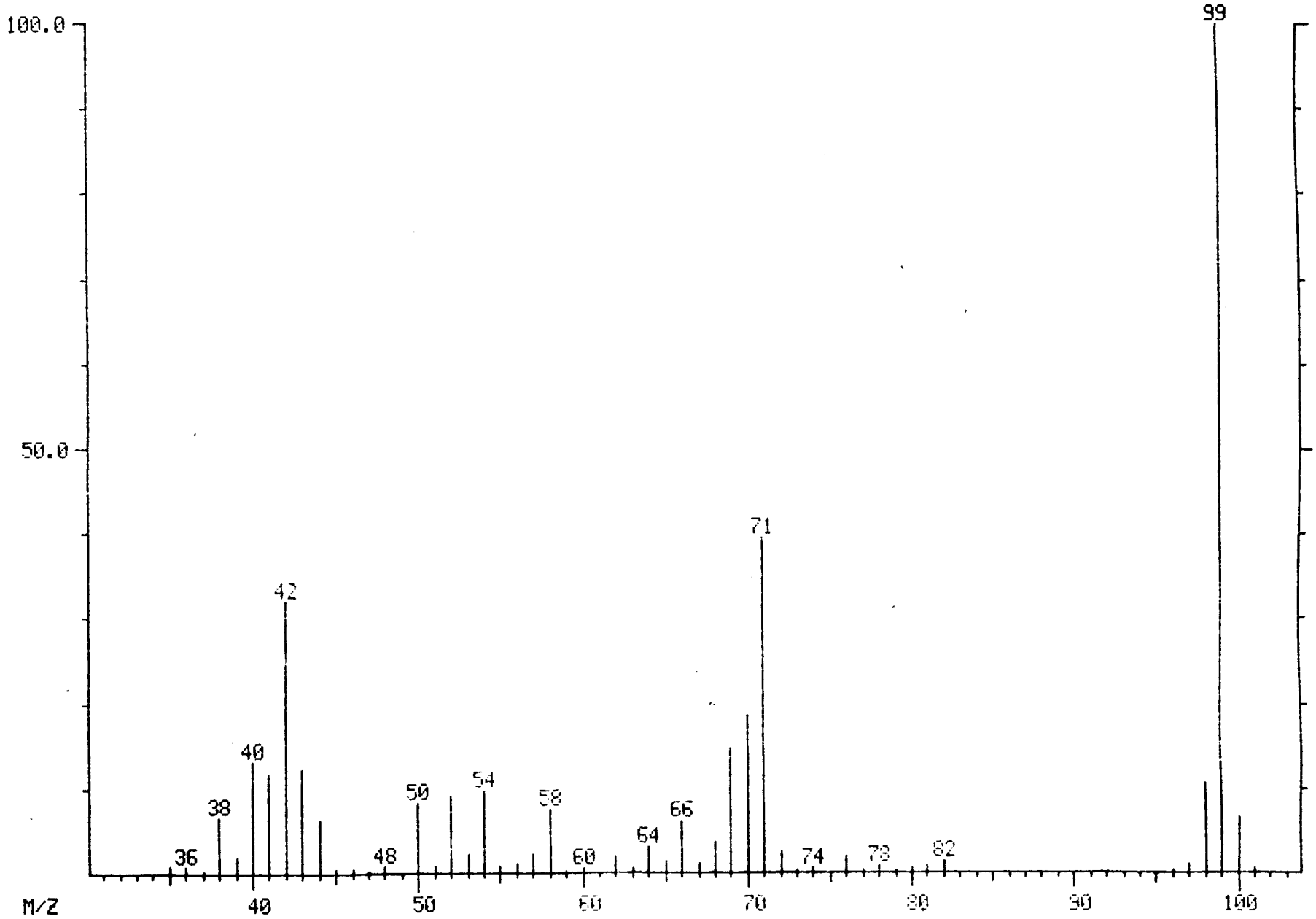
6-0200



MASS SPECTRUM
04/19/91 15:22:00 + 11:06
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1120
CALI: APR19GK06 #3

BASE M/Z: 99
RIC: 213504.

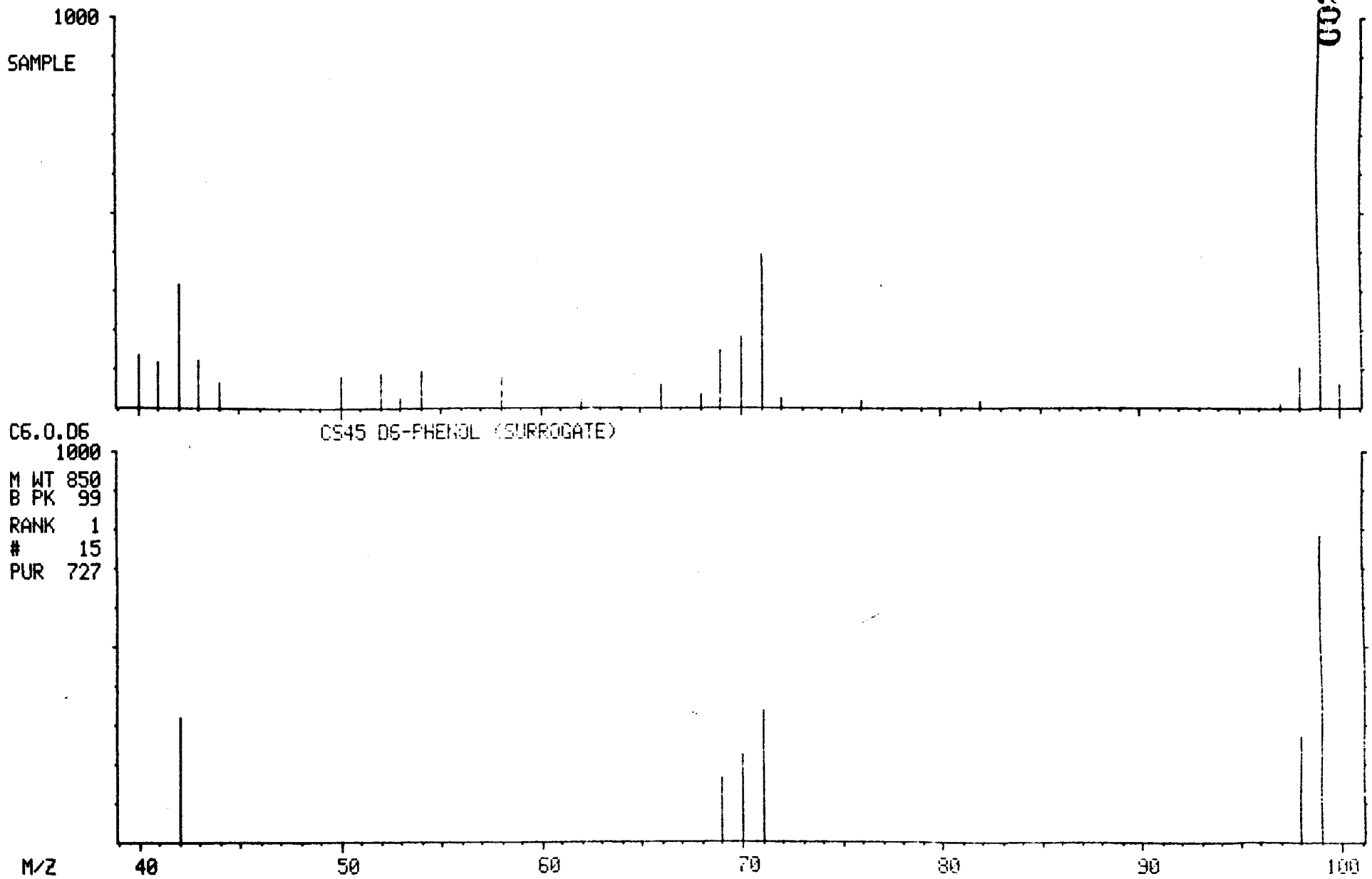


0002000

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 11:06
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1120
CALI: APR19GK06 # 3

BASE M/Z: 99
RIC: 195840.

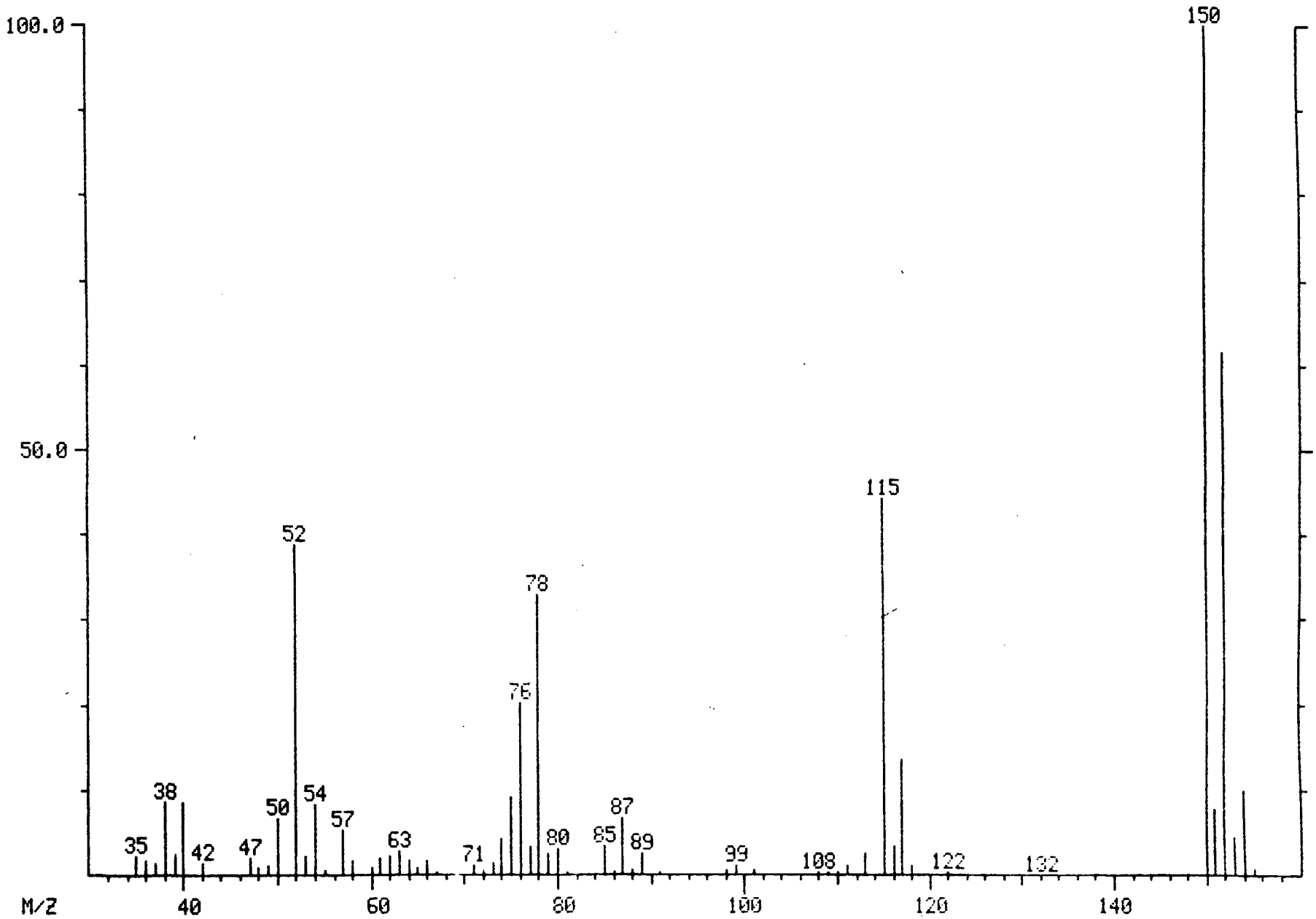


U0201

MASS SPECTRUM
04/19/91 15:22:00 + 11:50
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1194
CALI: APR19GK06 #3

BASE M/Z: 150
RIC: 109568.



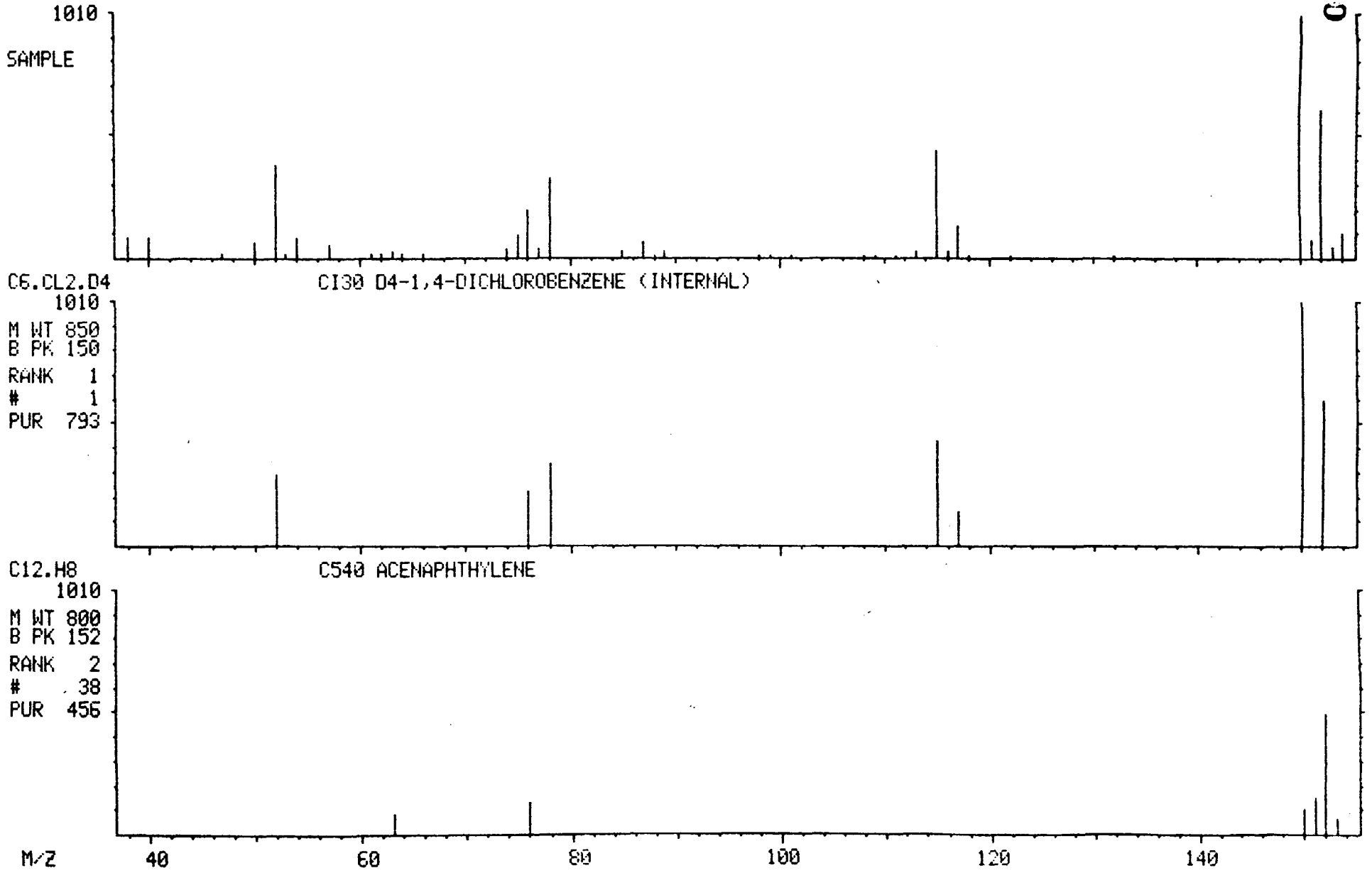
24256.
0.

00020C2

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 11:50
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1194
CALI: APR19GK06 # 3

BASE M/Z: 150
RIC: 103296.



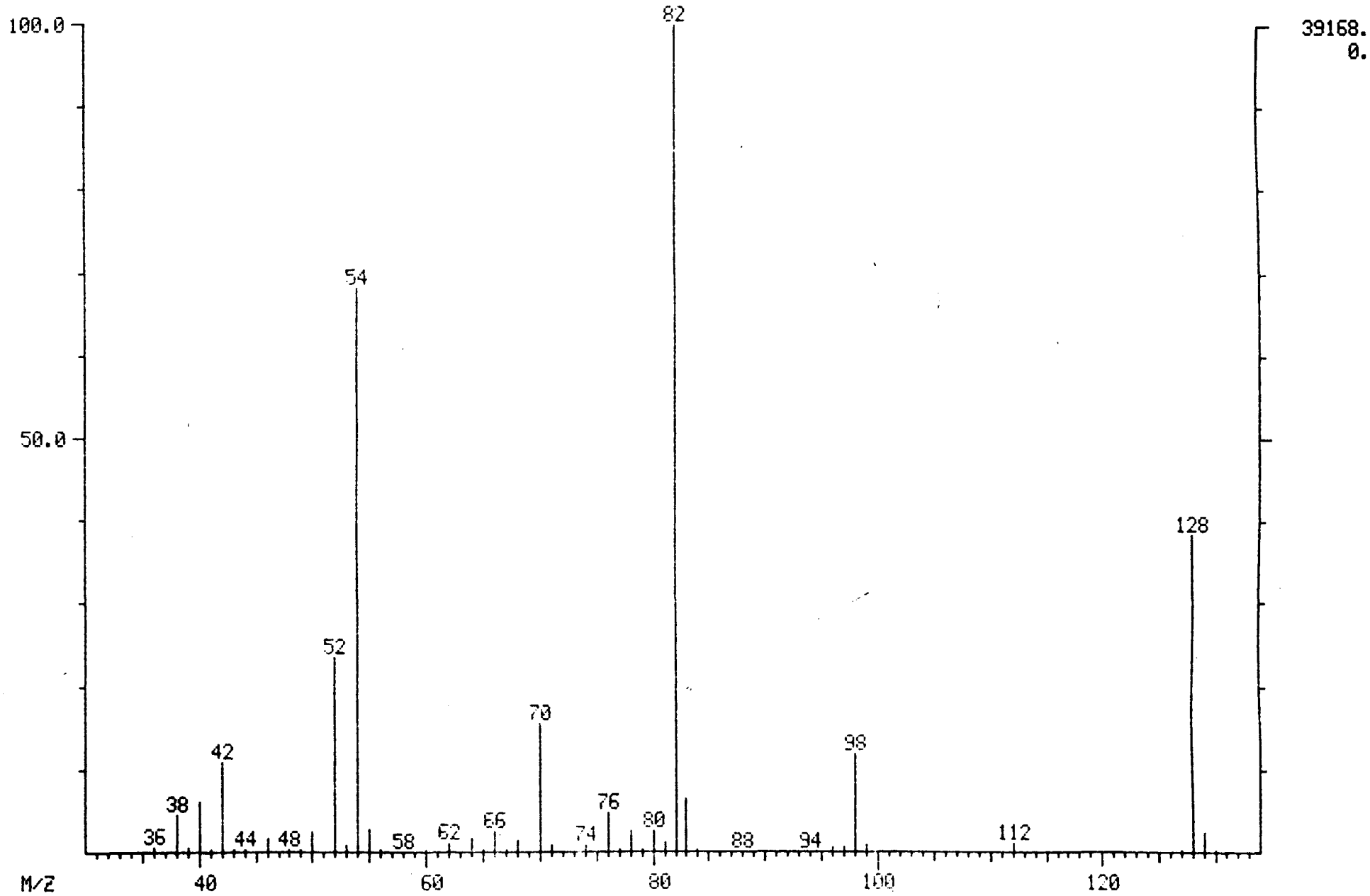
000203

MASS SPECTRUM
04/19/91 15:22:00 + 13:15
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1336
CALI: APR19GK06 #3

BASE M/Z: 82
RIC: 126464.

002084

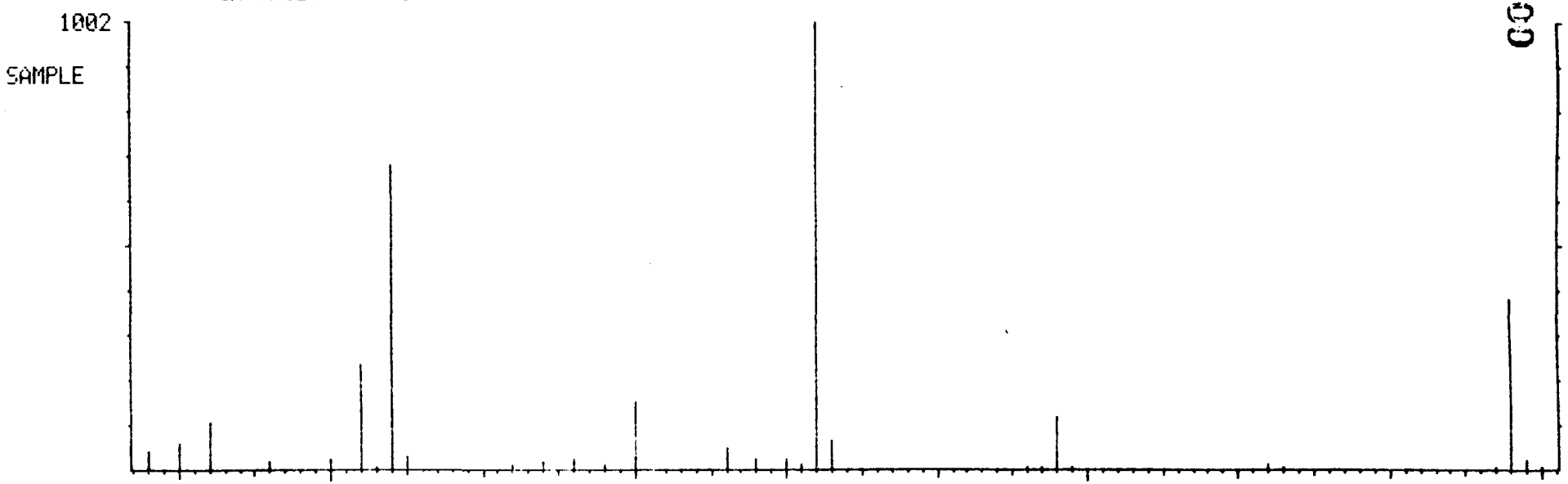


MID LIBRARY SEARCH (LIBRARY 3)
04/19/91 15:[illegible]:00 + 1 :15
SAMPLE: 90910 GPC CLP [illegible] -1.0ML
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
ENHANCED (S 1%B 2N 0T)

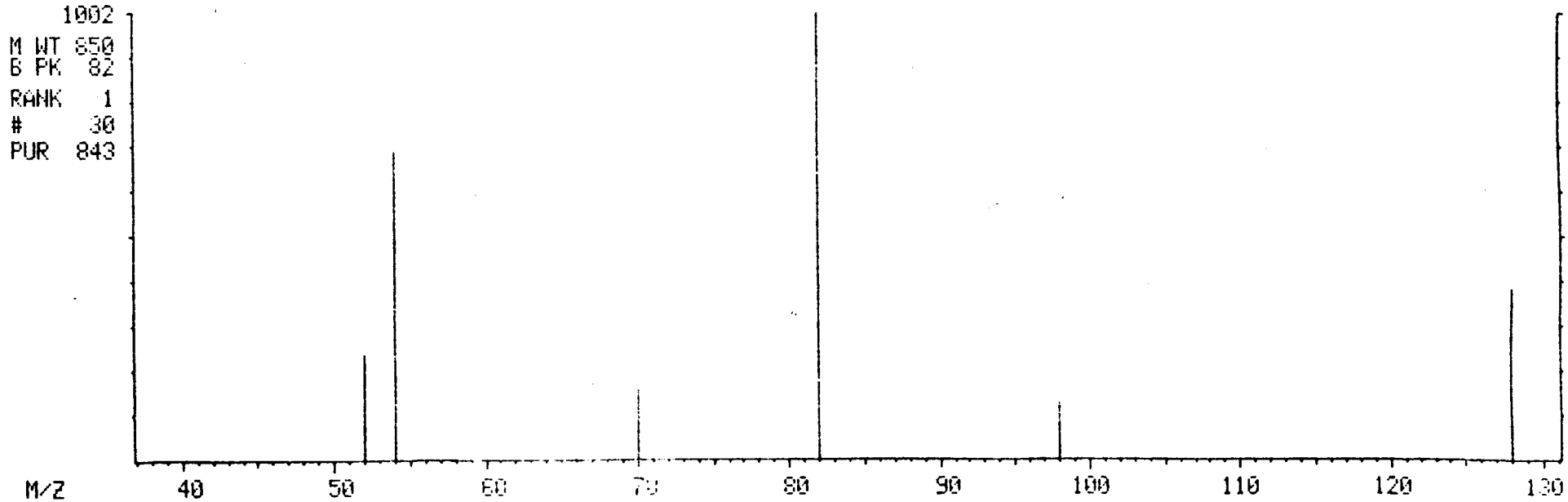
DATA: APR19GK06 #1336
CALI: APR19GK06 # 3

BASE M/Z: 82
RIC: 124032.

002035



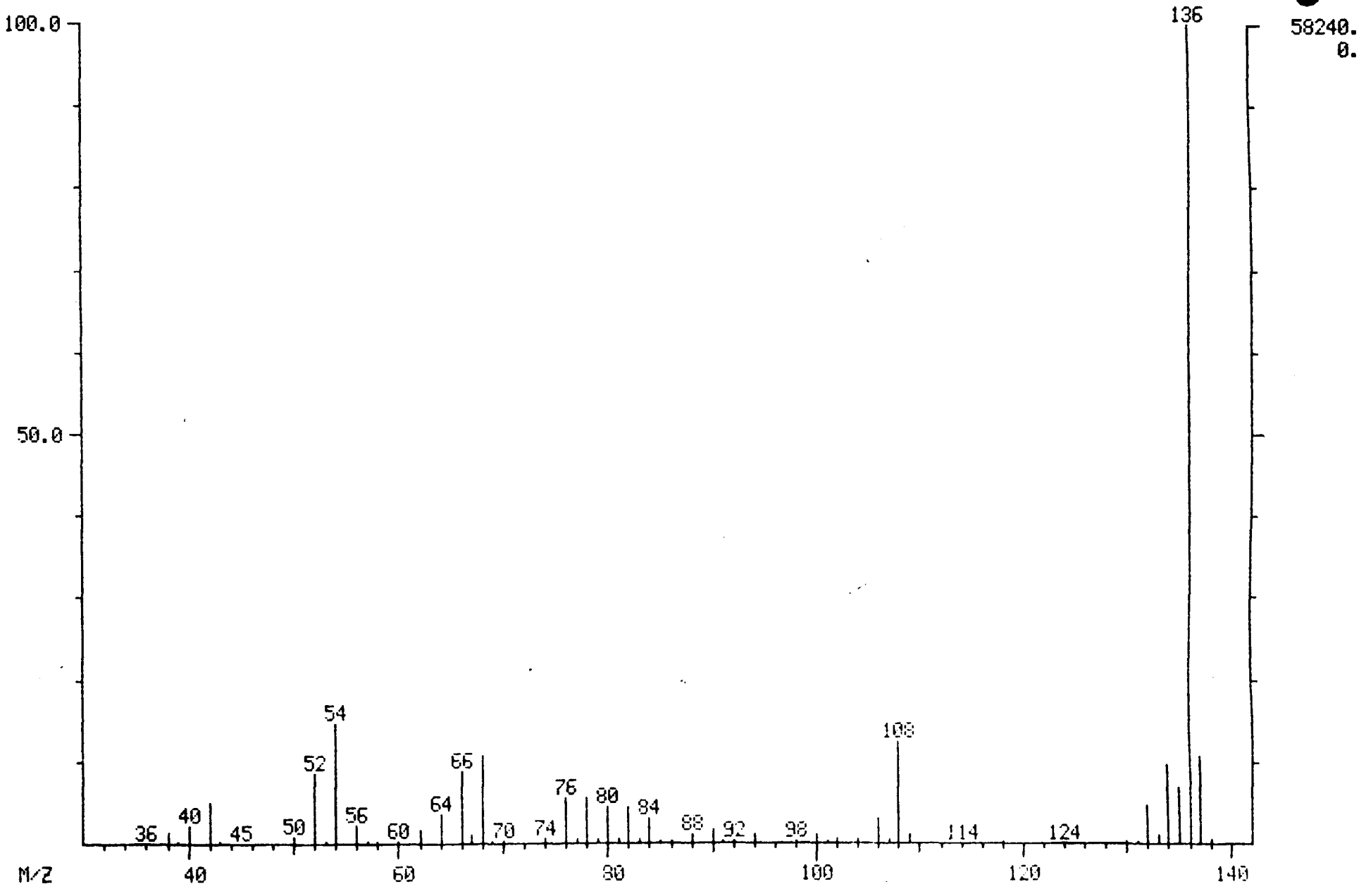
C6.02.N.D5 (S20 D5-NITROBENZENE (SURROGATE)



MASS SPECTRUM
04/19/91 15:22:00 + 15:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1514
CALI: APR19GK06 #3

BASE M/Z: 136
RIC: 144384.



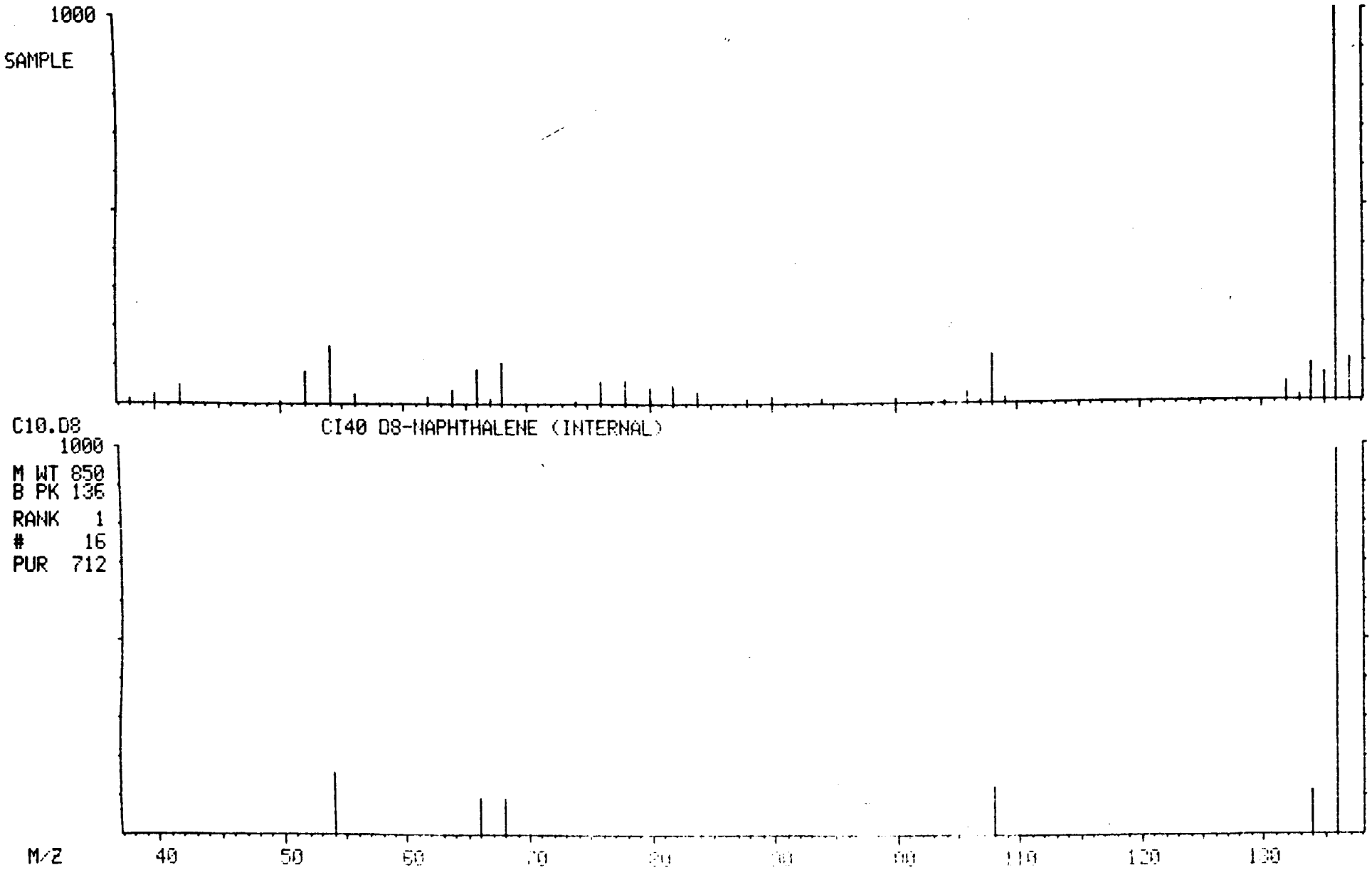
002036

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 15:00
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1514
CALI: APR19GK06 # 3

BASE M/Z: 136
RIC: 139776.

002007

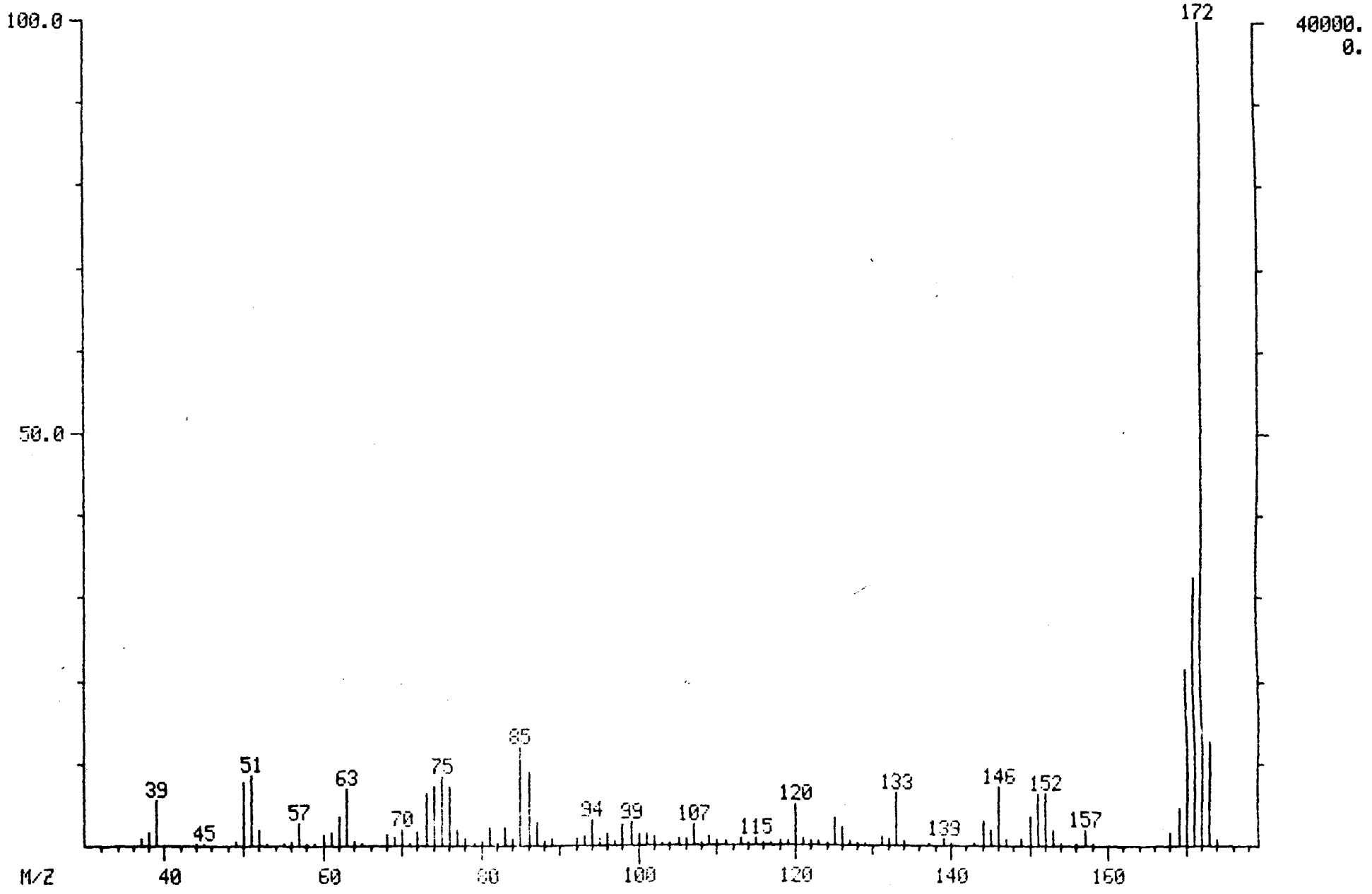


MASS SPECTRUM
04/19/91 15:22:00 + 17:49
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1797
CALI: APR19GK06 #3

BASE M/Z: 172
RIC: 151040.

002068

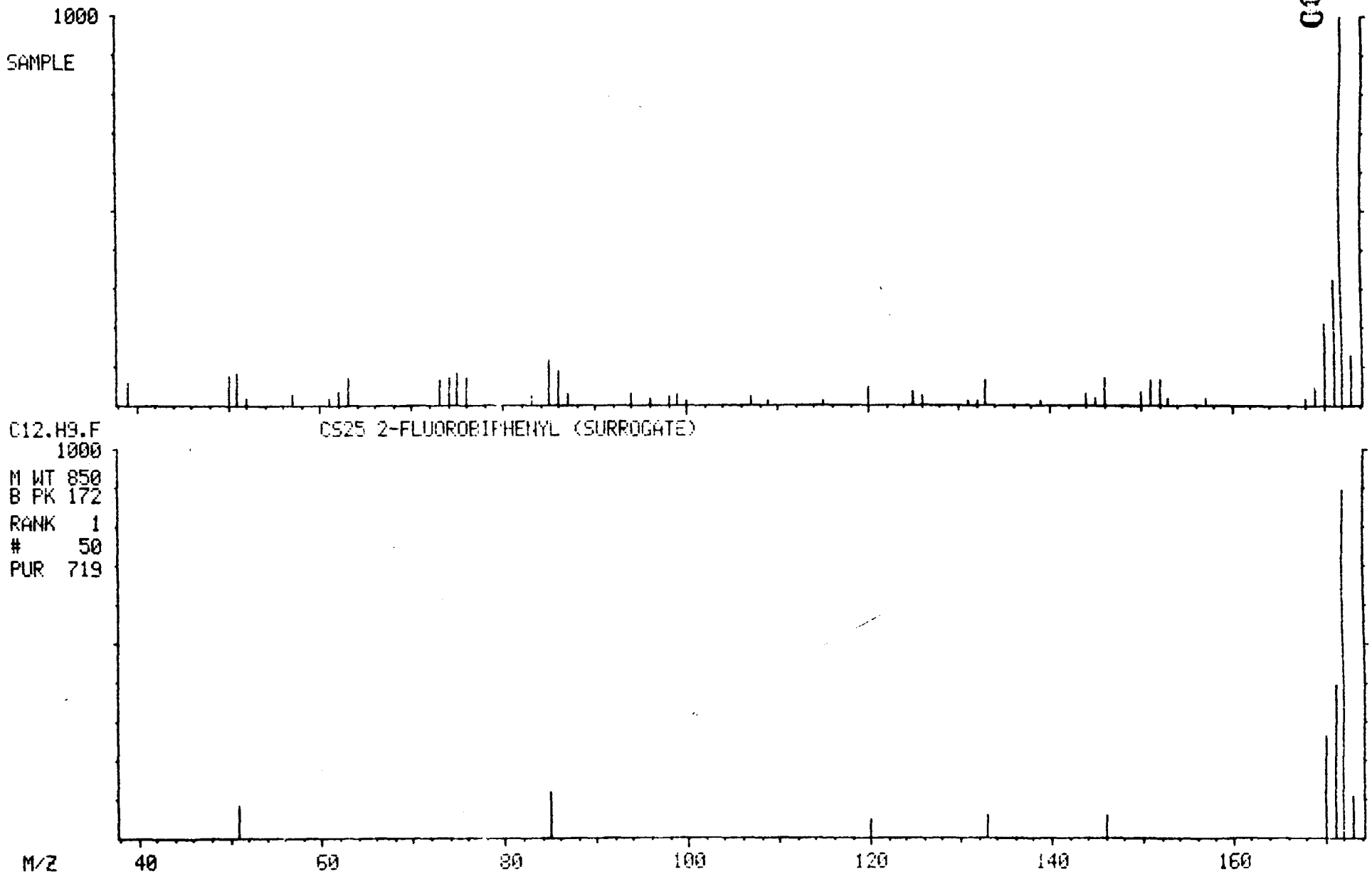


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 17:49
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1797
CALI: APR19GK06 # 3

BASE M/Z: 172
RIC: 133888.

630200

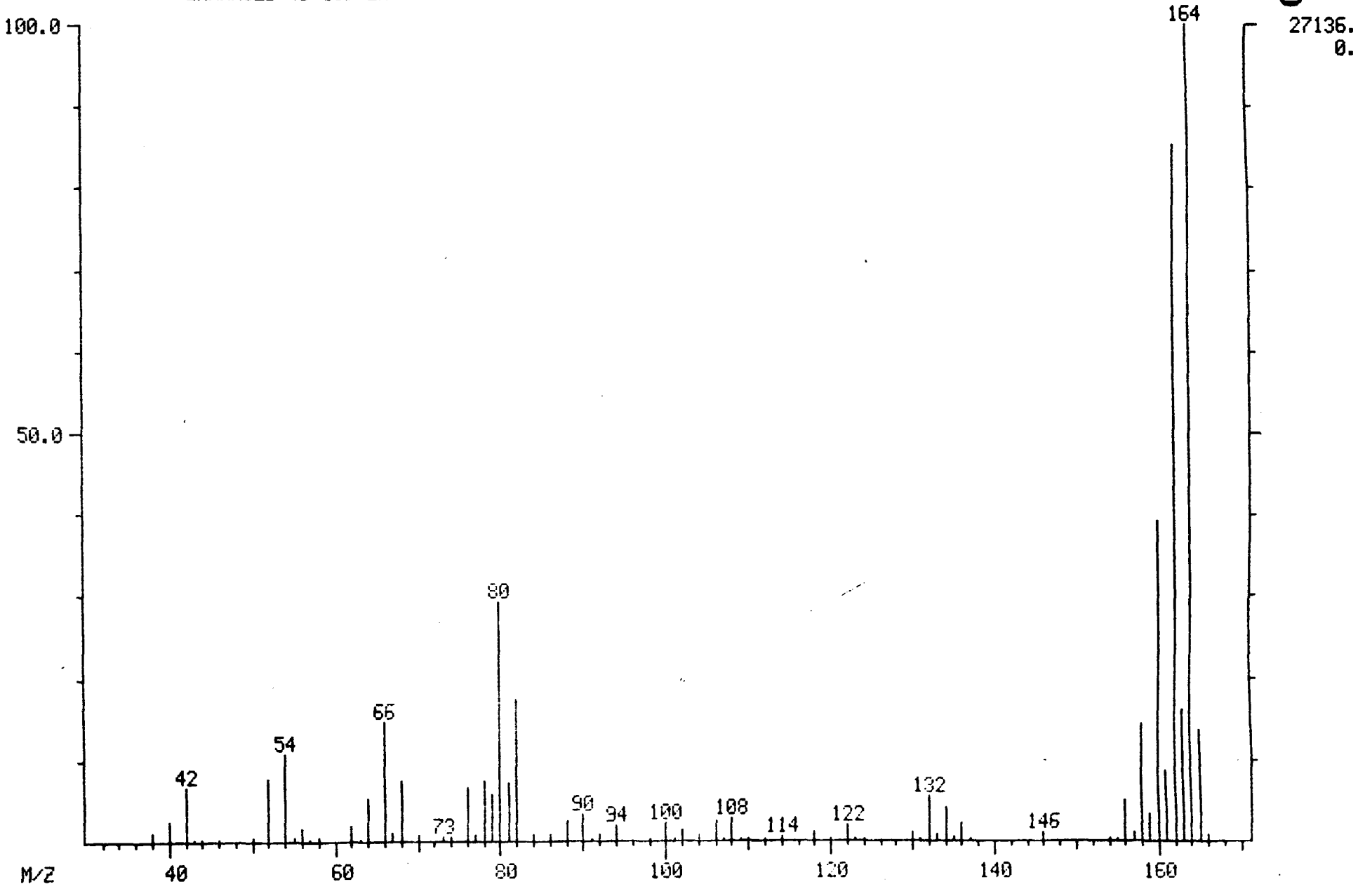


MASS SPECTRUM
04/19/91 15:22:00 + 19:34
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1974
CALI: APR19GK06 #3

BASE M/Z: 164
RIC: 127872.

002000

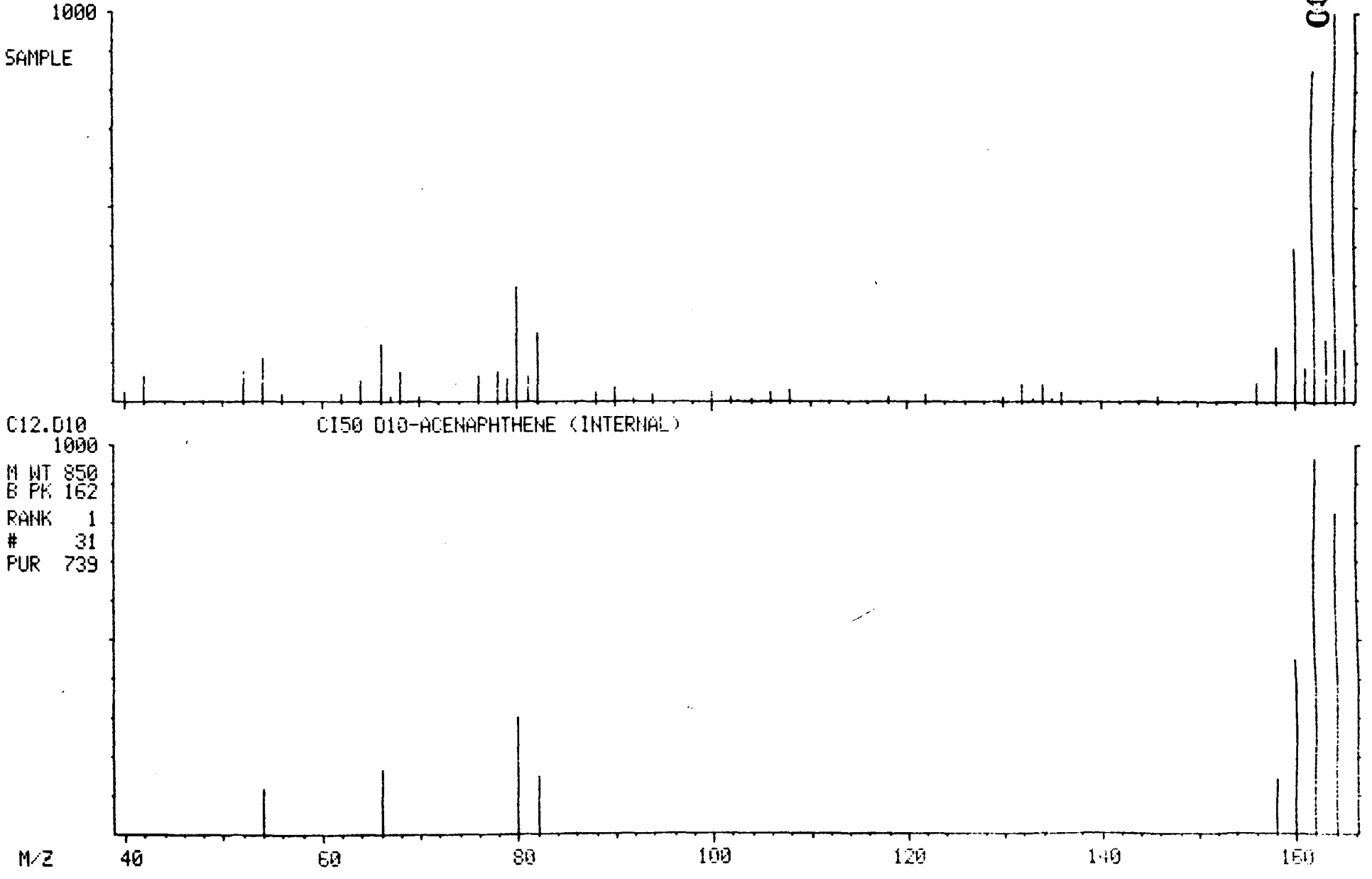


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 19:34
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1974
CALI: APR19GK06 # 3

BASE M/Z: 164
PIC: 12.624.

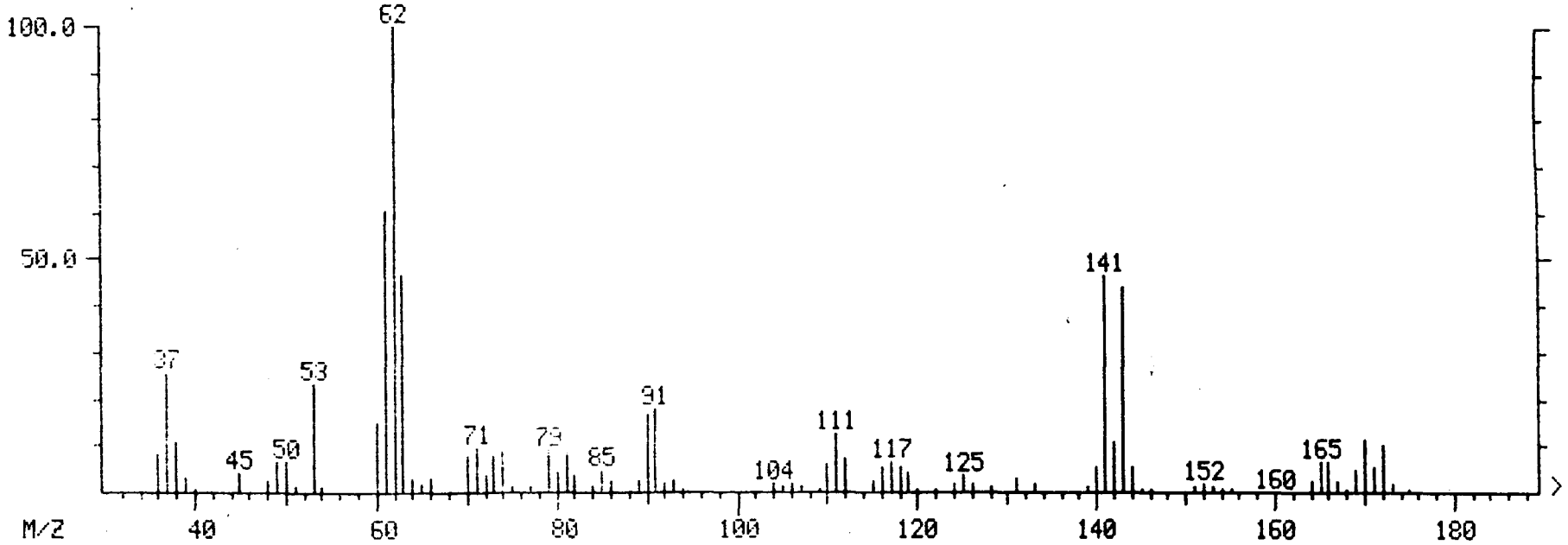
002C21

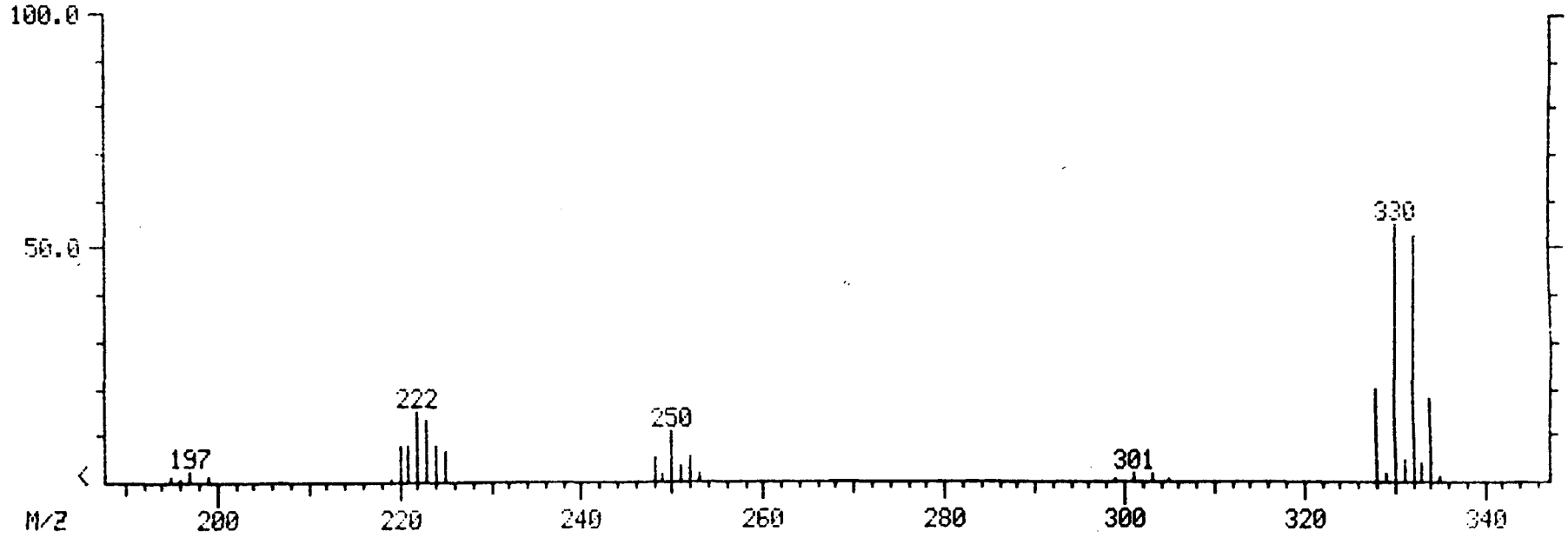


MASS SPECTRUM
04/19/91 15:22:00 + 21:38
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2182
CALI: APR19GK06 #3

BASE M/Z: 62
RIC: 91648.



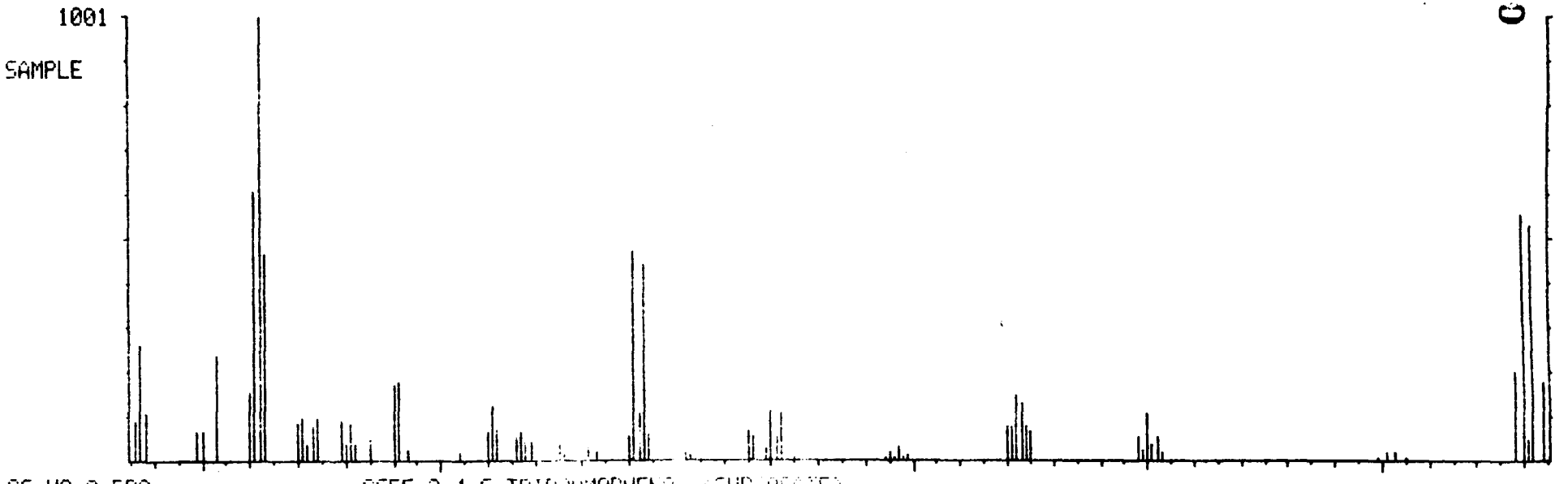


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 21:38
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

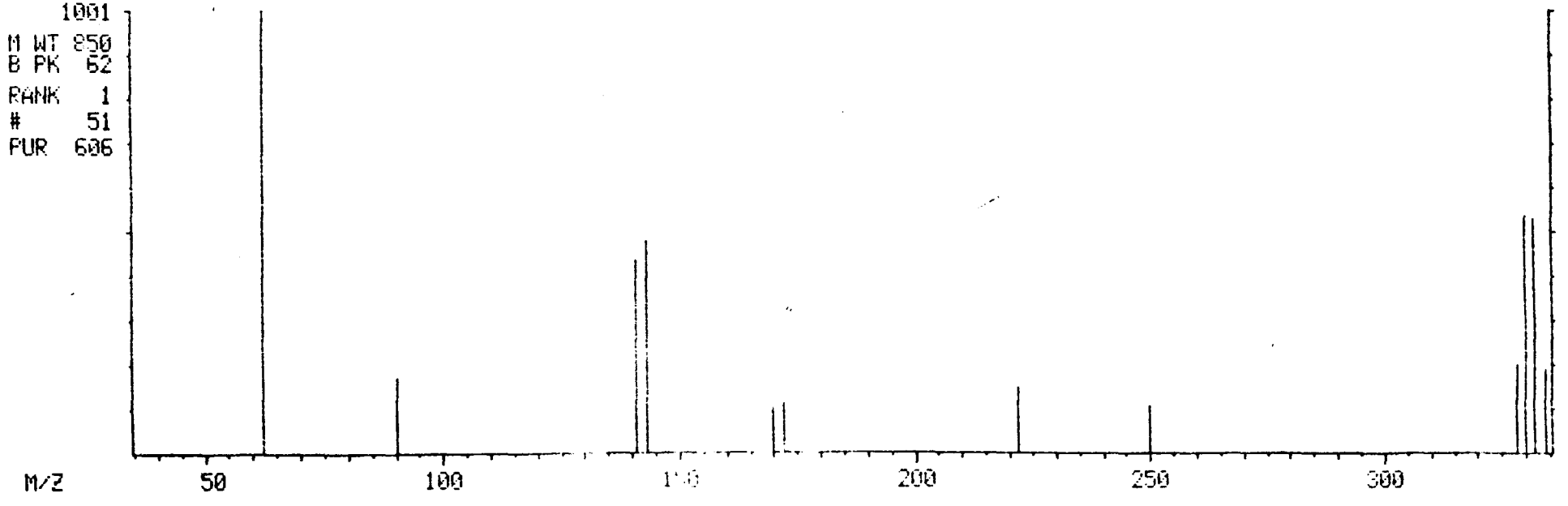
DATA: APR19GK06 #2182
CALI: APR19GK06 # 3

BASE M/Z: 62
RIC: 85760.

002093



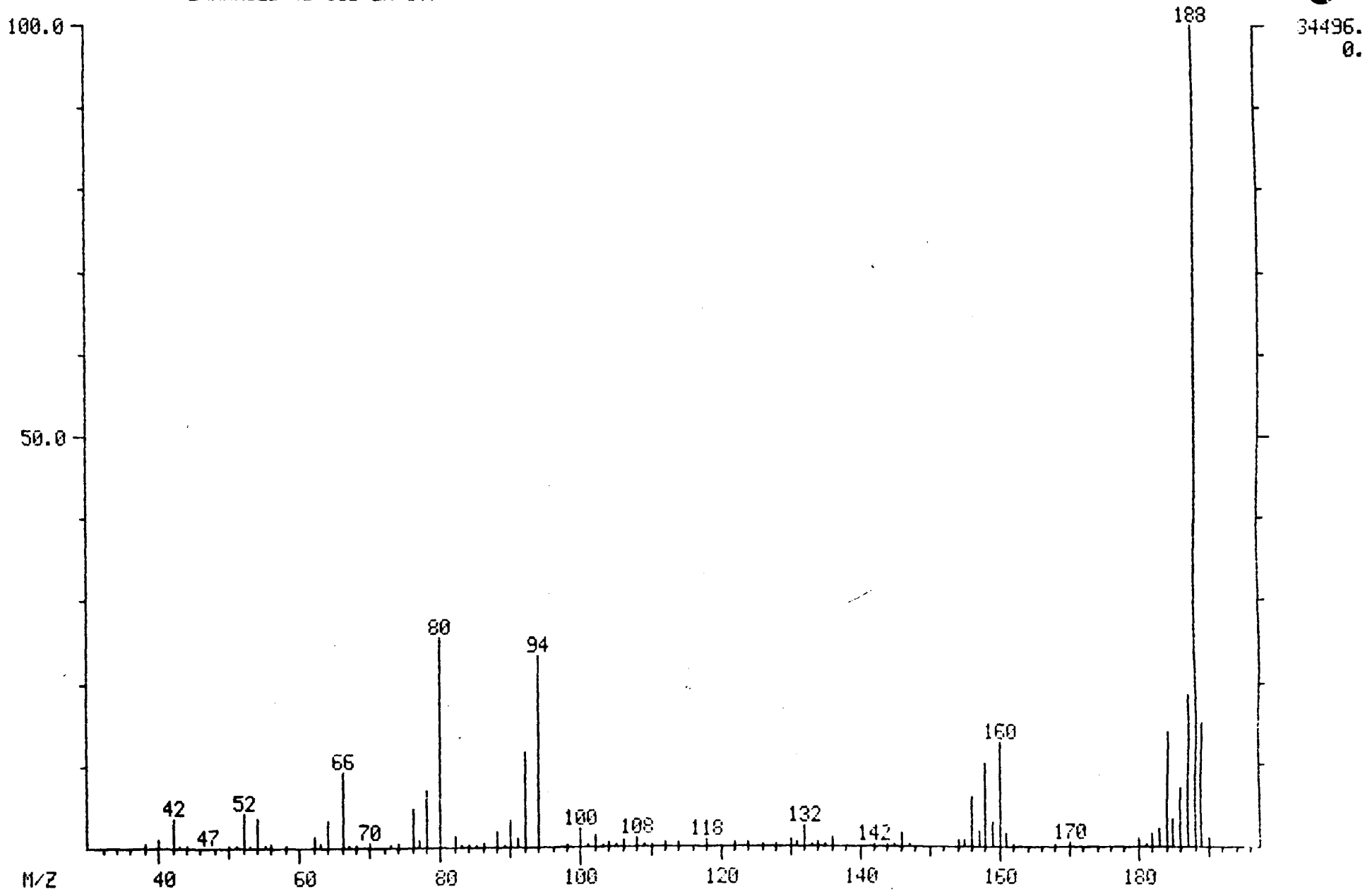
C6.H3.O.BR3 C555 2,4,6-TRIBROMOPHENOL (SURROGATE)



MASS SPECTRUM
04/19/91 15:22:00 + 23:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2361
CALI: APR19GK06 #3

BASE M/Z: 188
RIC: 116608.

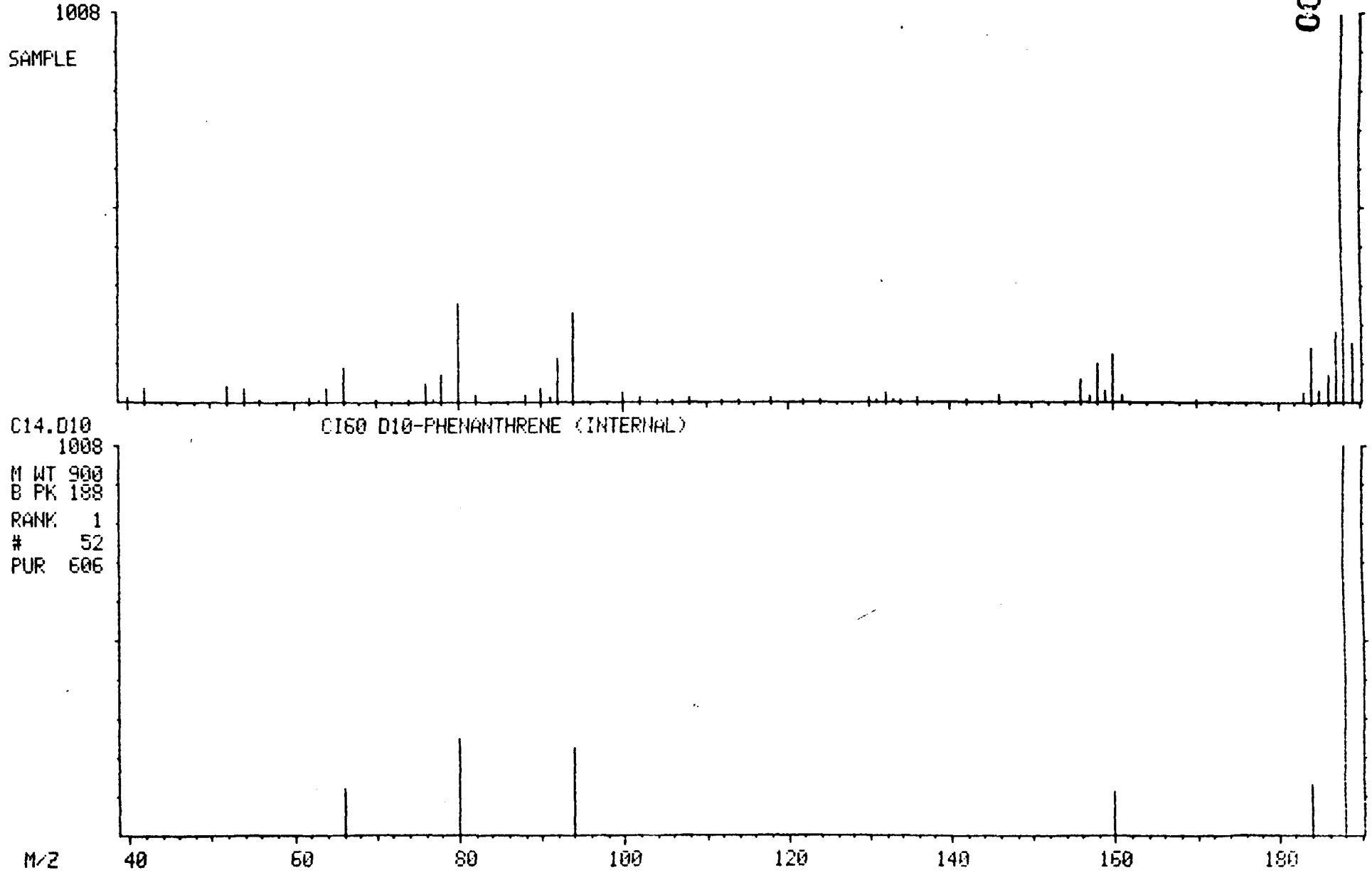


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 23:24
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2361
CALI: APR19GK06 # 3

BASE M/Z: 188
RIC: 111488.

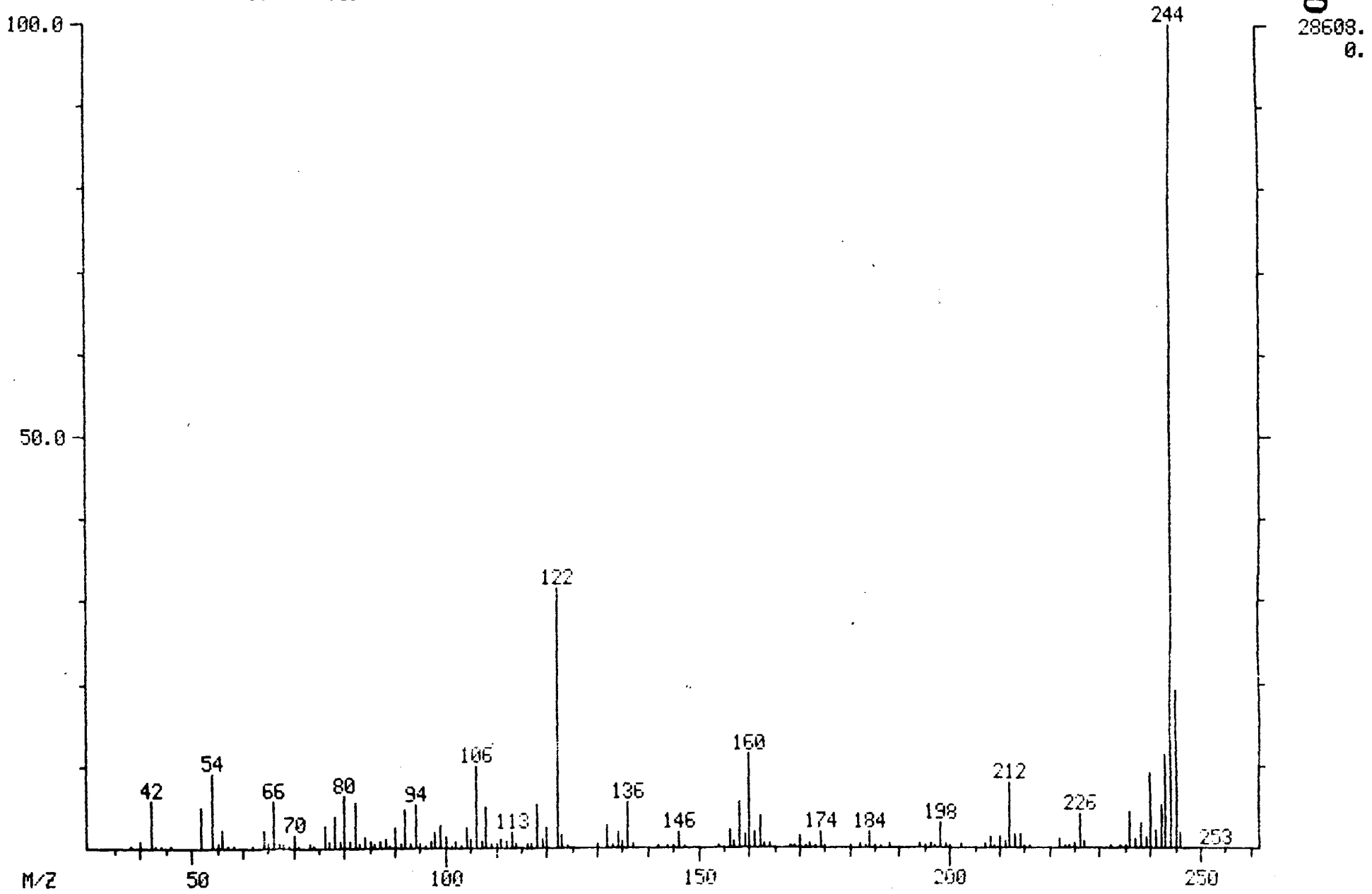
002055



MASS SPECTRUM
04/19/91 15:22:00 + 27:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2784
CALI: APR19GK06 #3

BASE M/Z: 244
RIC: 114304.

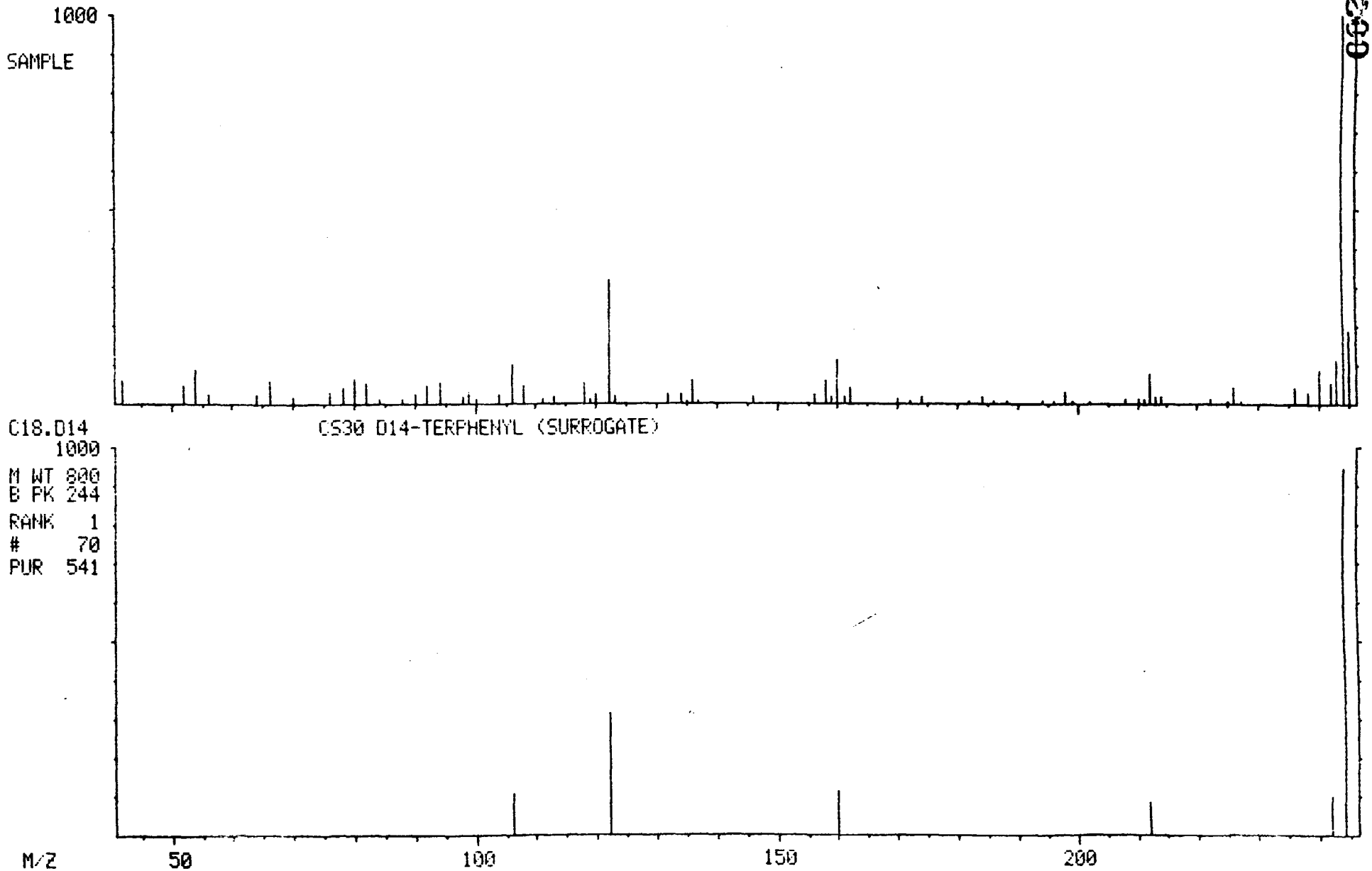


002056

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 27:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2784
CALI: APR19GK06 # 3

BASE M/Z: 244
RIC: 103296.

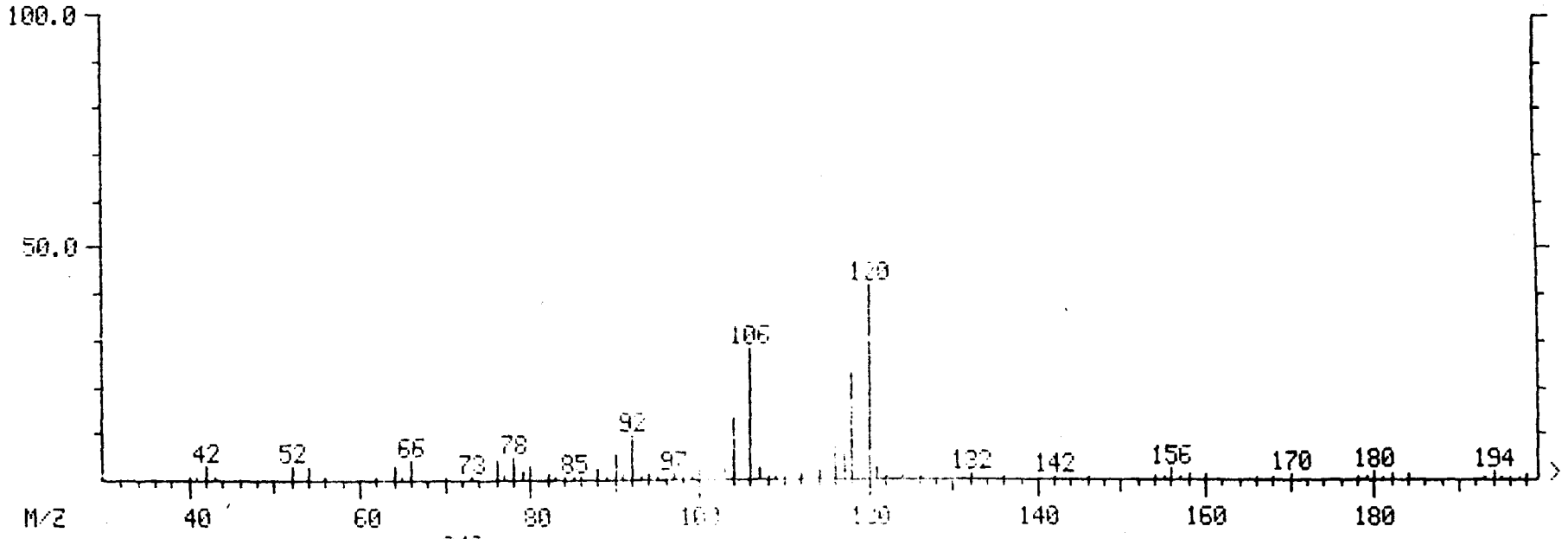


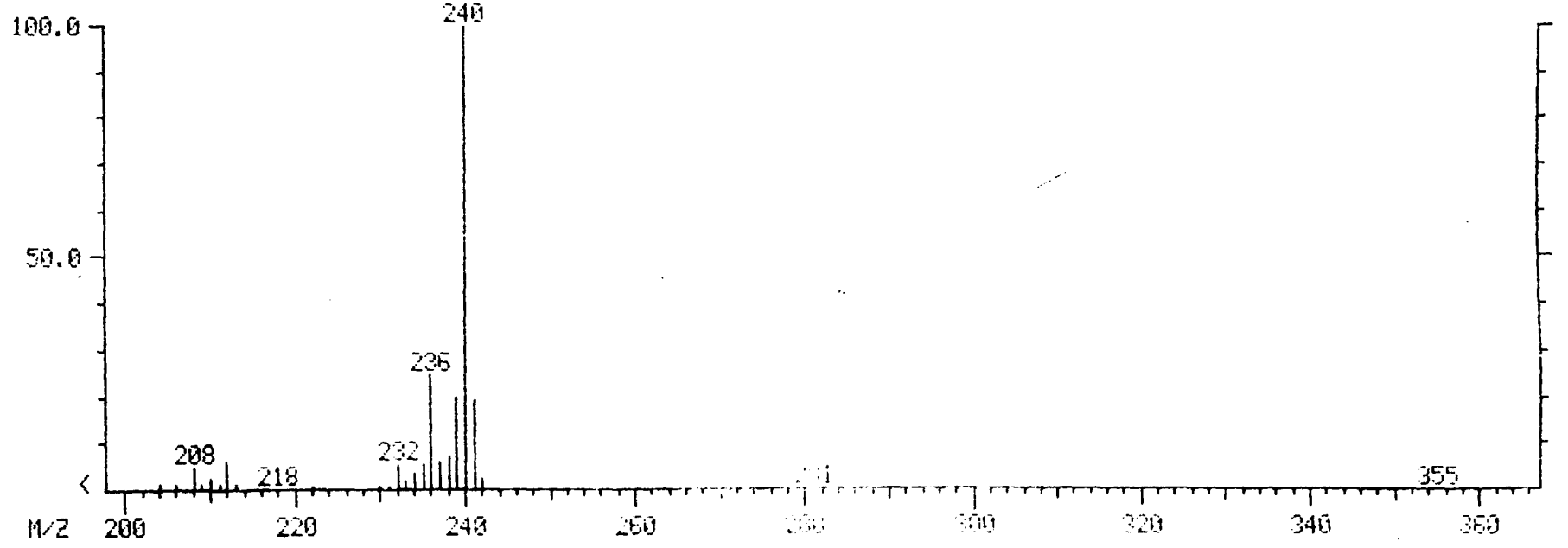
CS30290

MASS SPECTRUM
04/19/91 15:22:00 + 31:12
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #3147
CALI: APR19GK06 #3

BASE M/Z: 240
RIC: 45760.



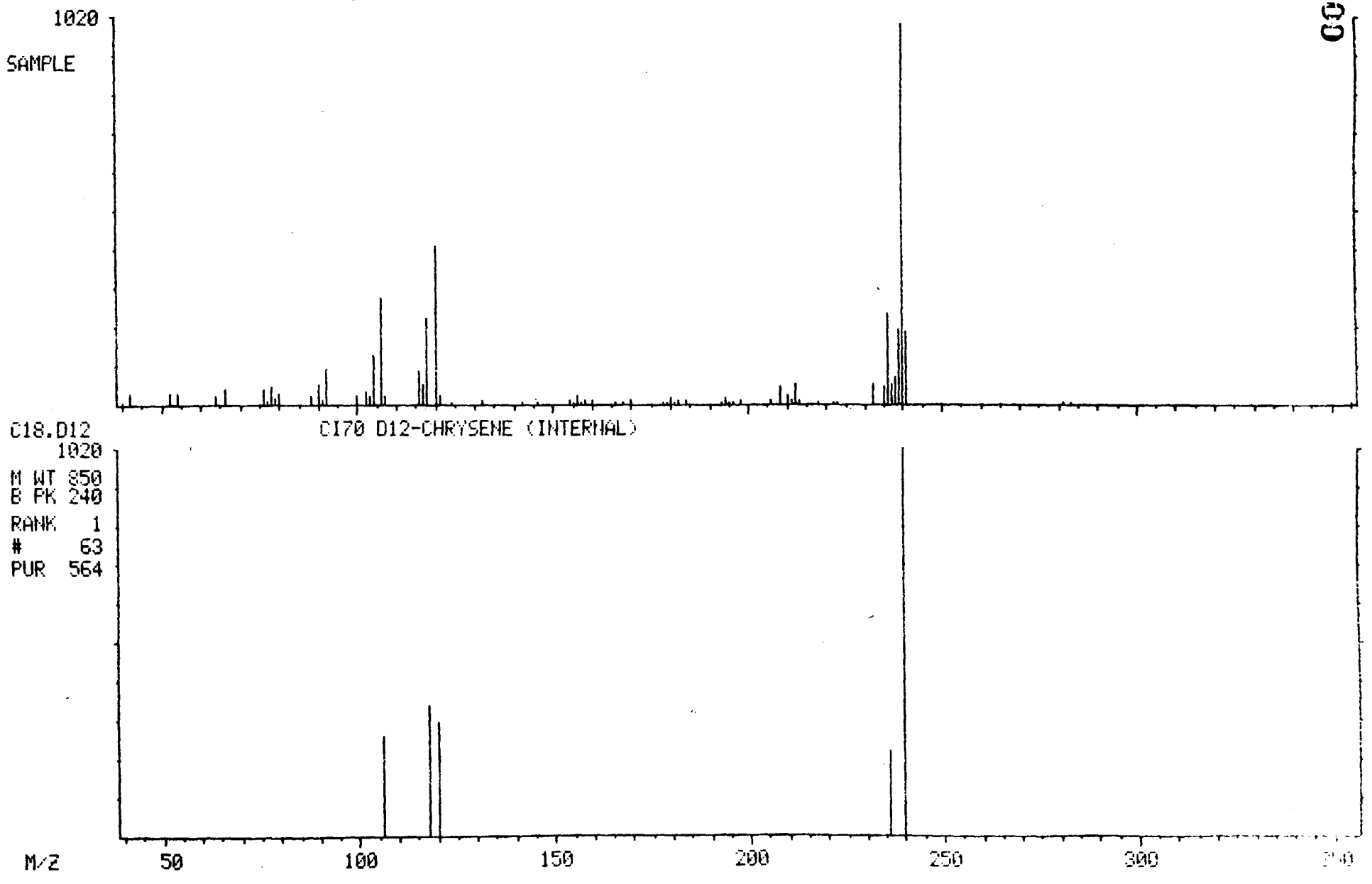


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 31:12
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #3147
CALI: APR19GK06 # 3

BASE M/Z: 240
RIC: 42048.

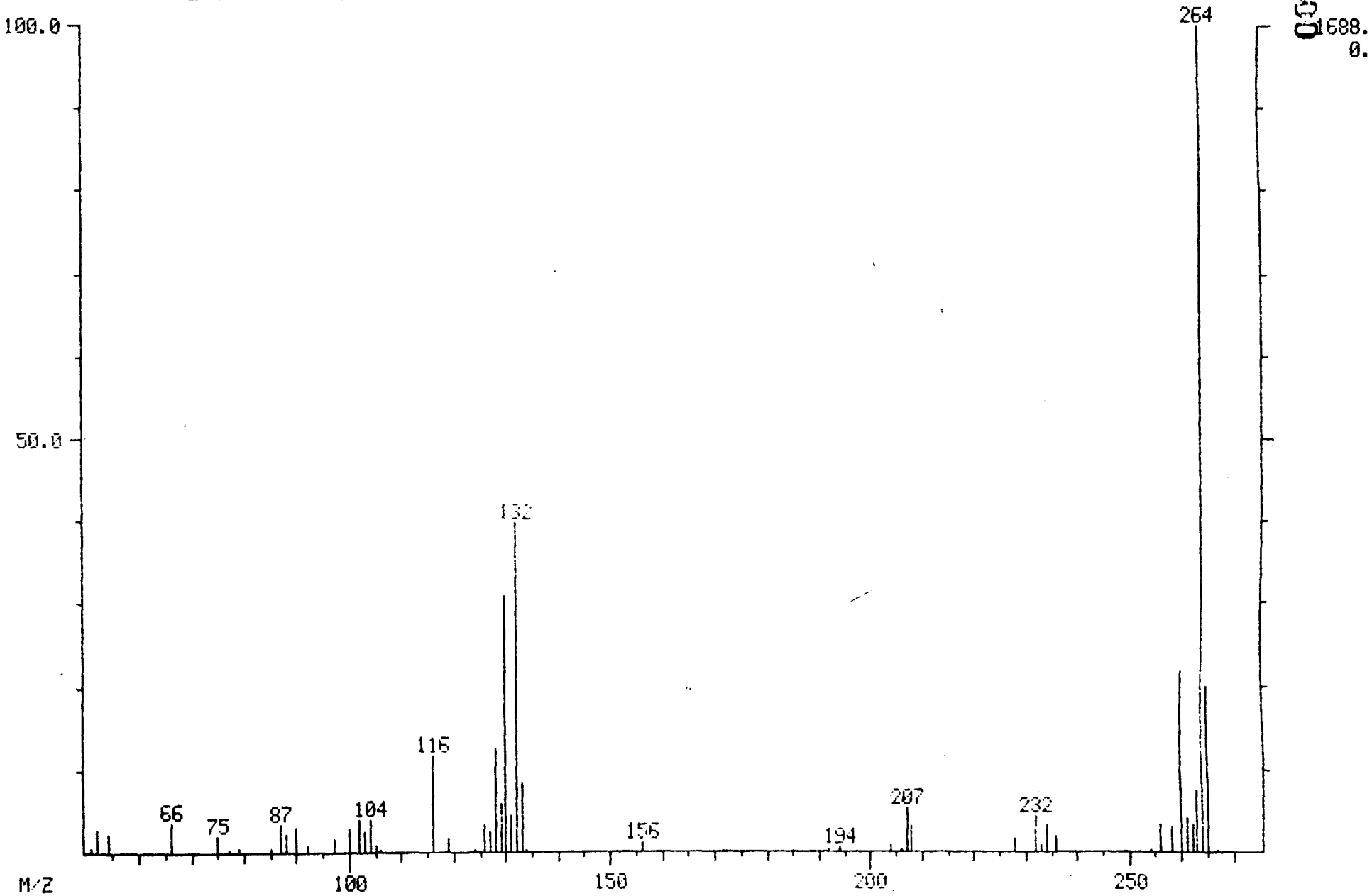
002069



MASS SPECTRUM
04/19/91 15:22:00 + 40:22
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #4073
CALI: APR19GK06 #3

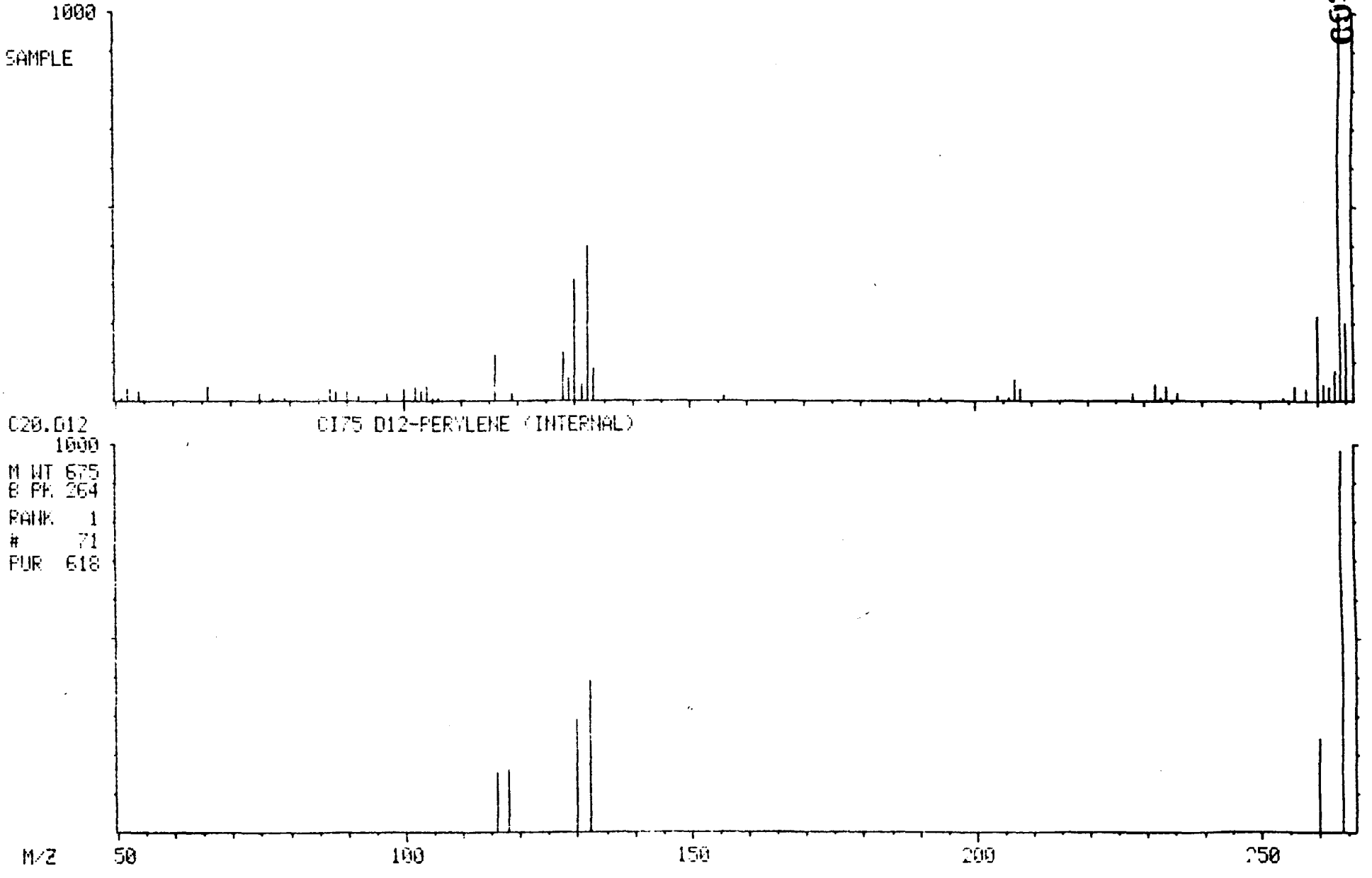
BASE M/Z: 264
RIC: 5832.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 15:22:00 + 40:22
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #4073
CALI: APR19GK06 # 3

BASE M/Z: 264
RIC: 5712.



002401

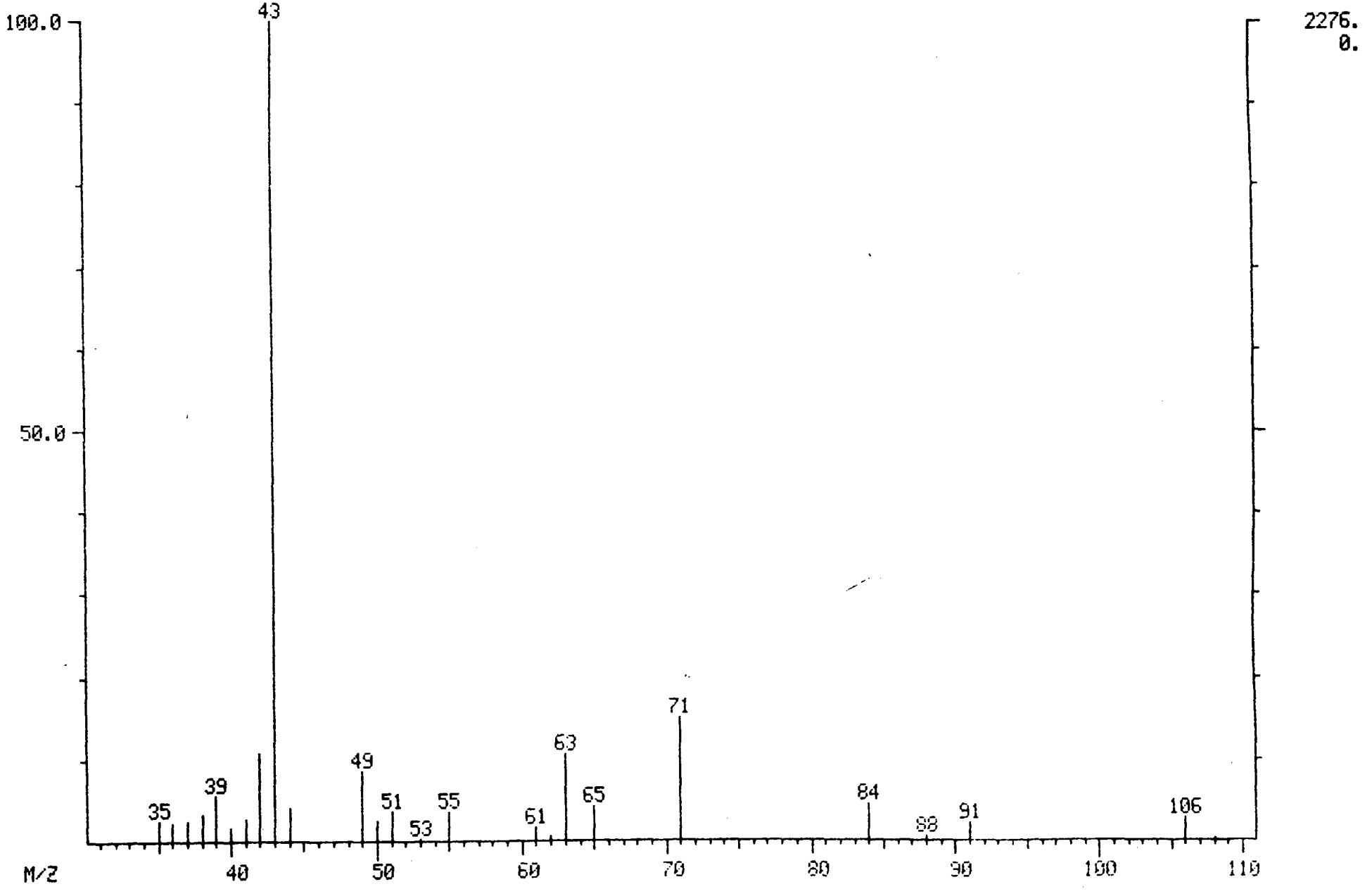
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 15:22:00 + 7:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 75 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #762
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 4480.

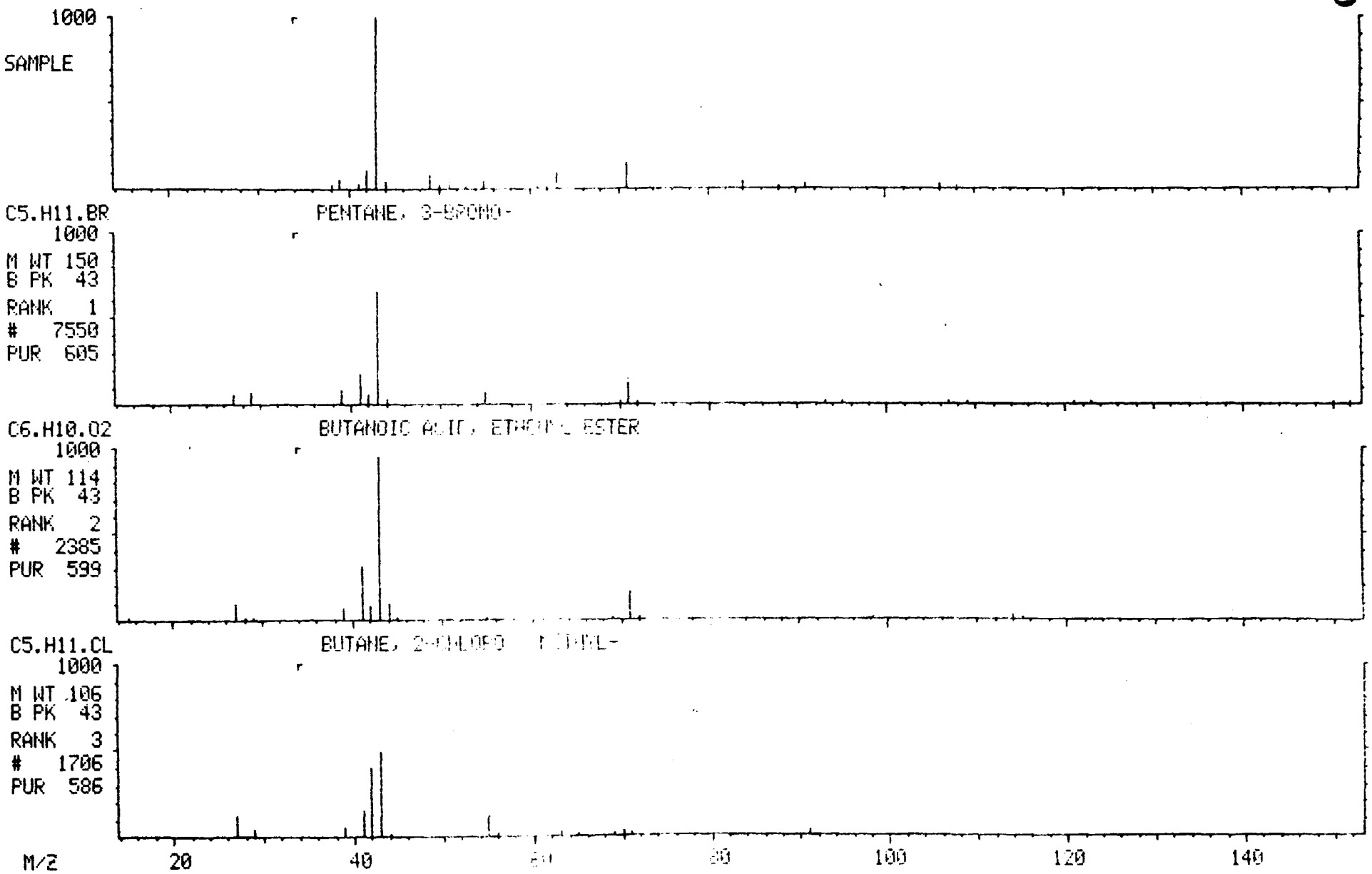
002103



MID LIBRARY SEARCH (LIB#-FWNB)
04/19/91 15:22:00 + 7:33
SAMPLE: 90910 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 762
CALI: APR19GK06 # 3

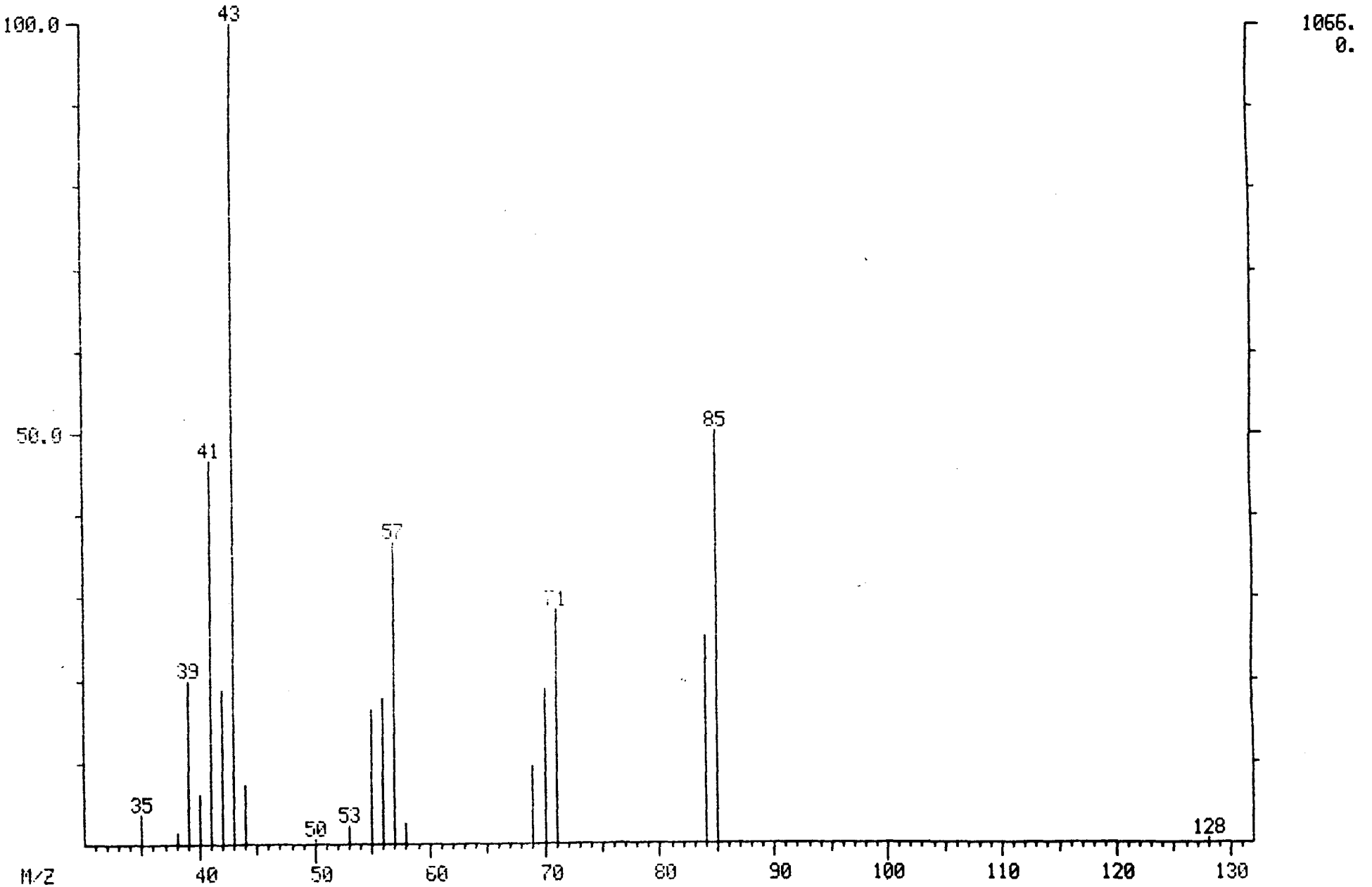
BASE M/Z: 43
RIC: 4280.



MASS SPECTRUM
04/19/91 15:22:00 + 7:41
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 77 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #775
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 4408.

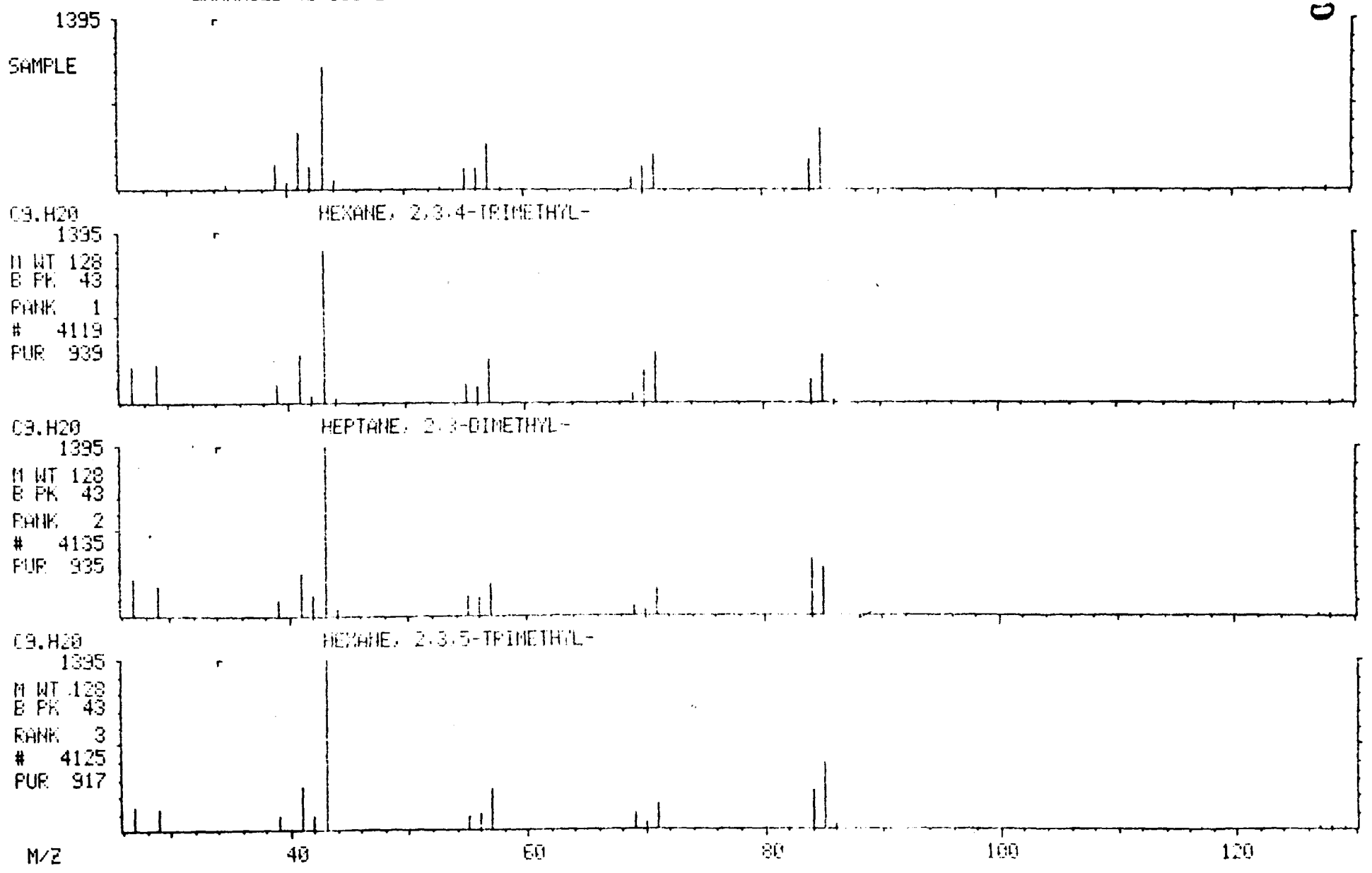


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 7:41
SAMPLE: 90310 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: HP19GK06 # 775
CALI: HP19GK06 # 3

BASE M/Z: 43
RIC: 4384.

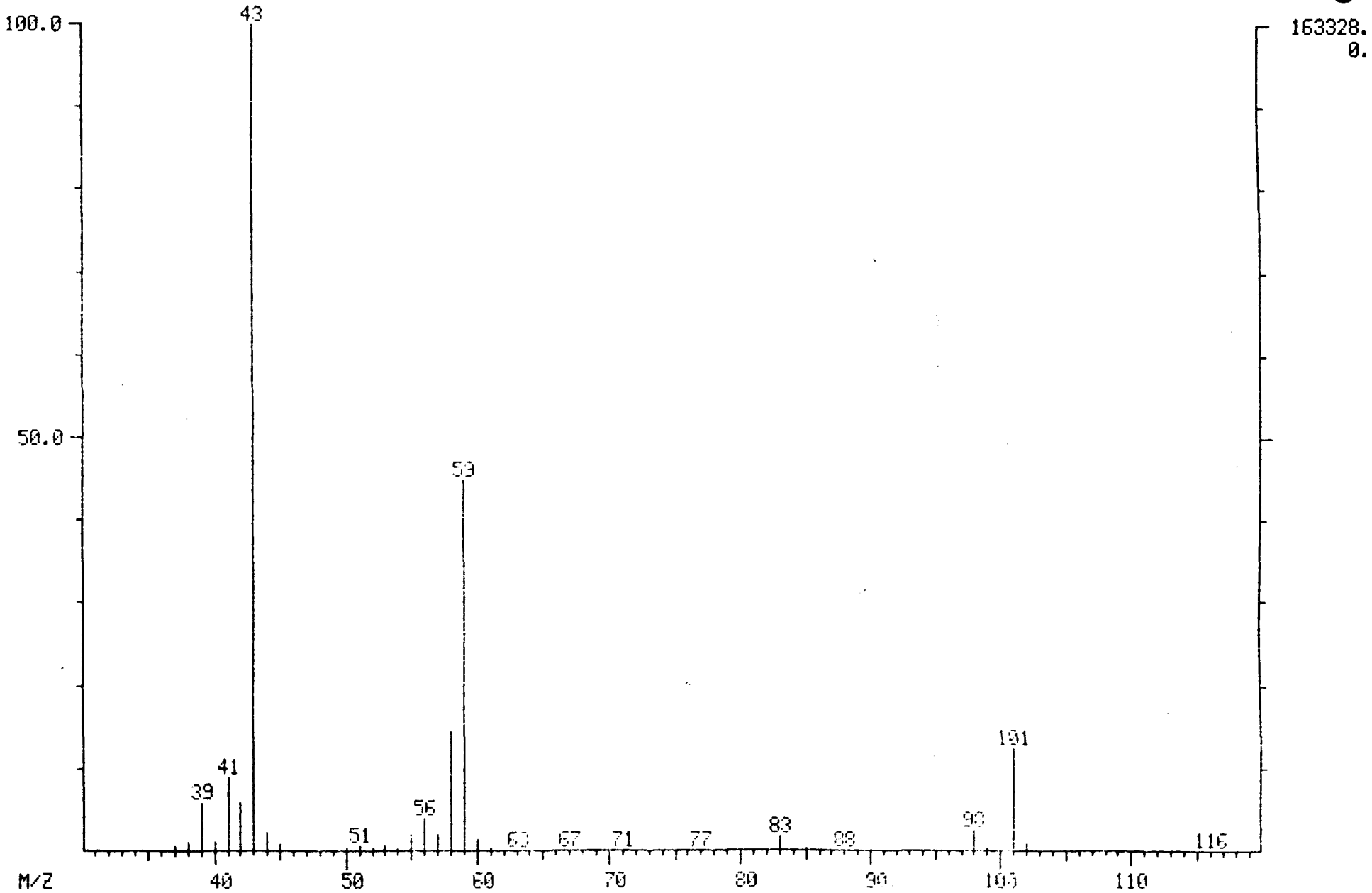
002106



MASS SPECTRUM
04/19/91 15:22:00 + 8:08
SAMPLE: 90310 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 82 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #821
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 351744.



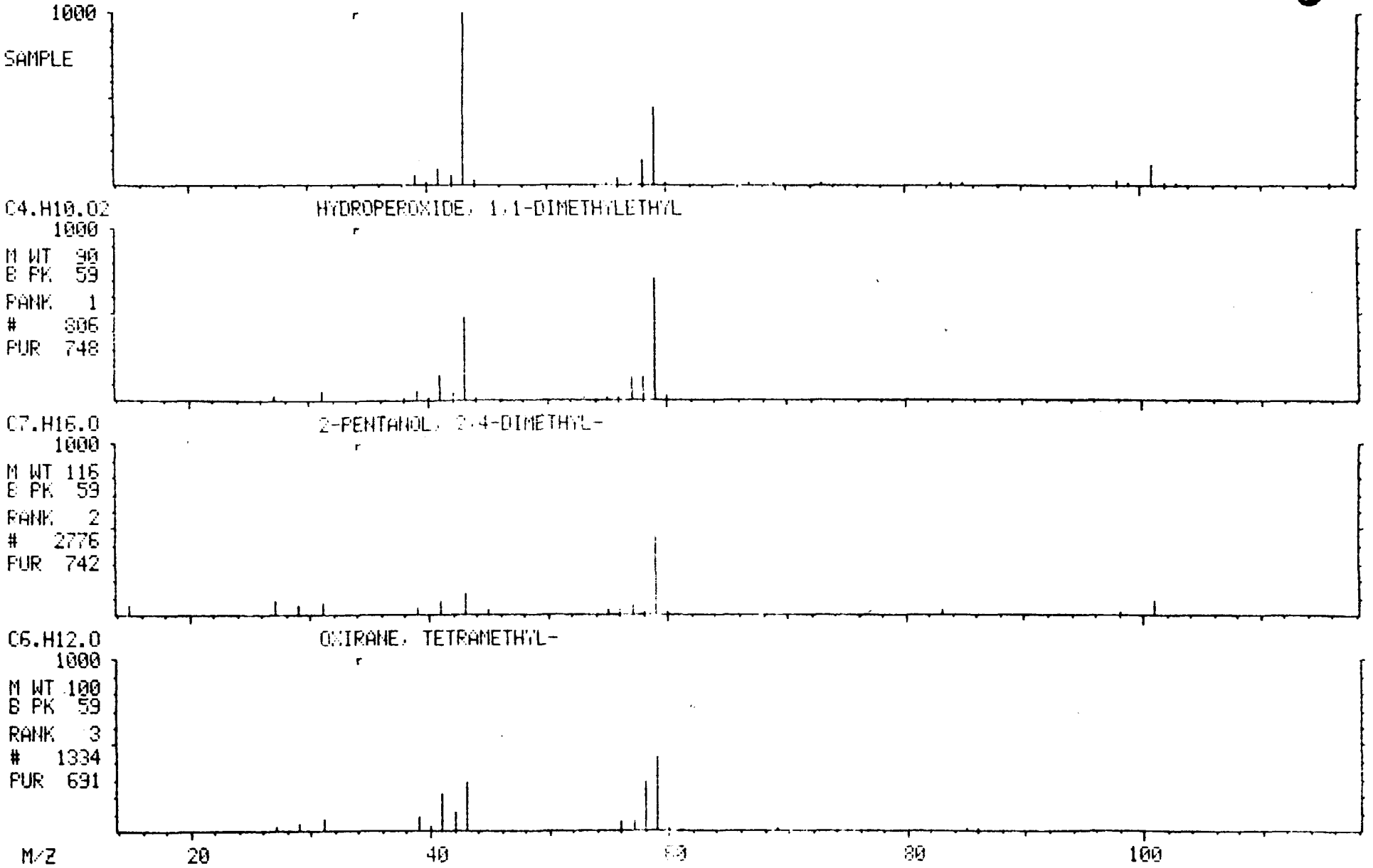
002200

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 8:08
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 821
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 343040.

001200

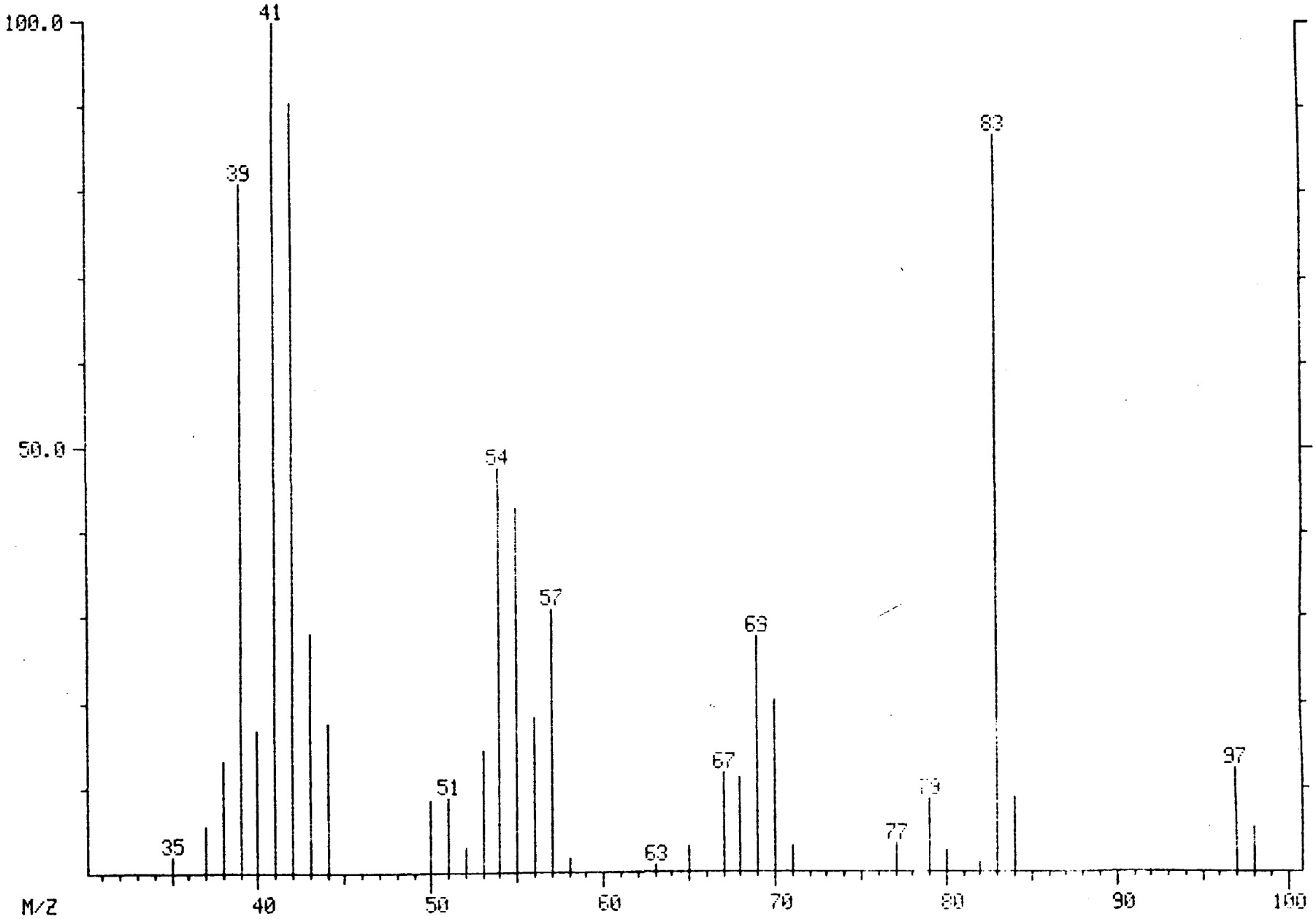


MASS SPECTRUM
04/19/91 15:22:00 + 8:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #363
CALI: APR19GK06 #3

BASE M/Z: 41
RIC: 8768.

601200

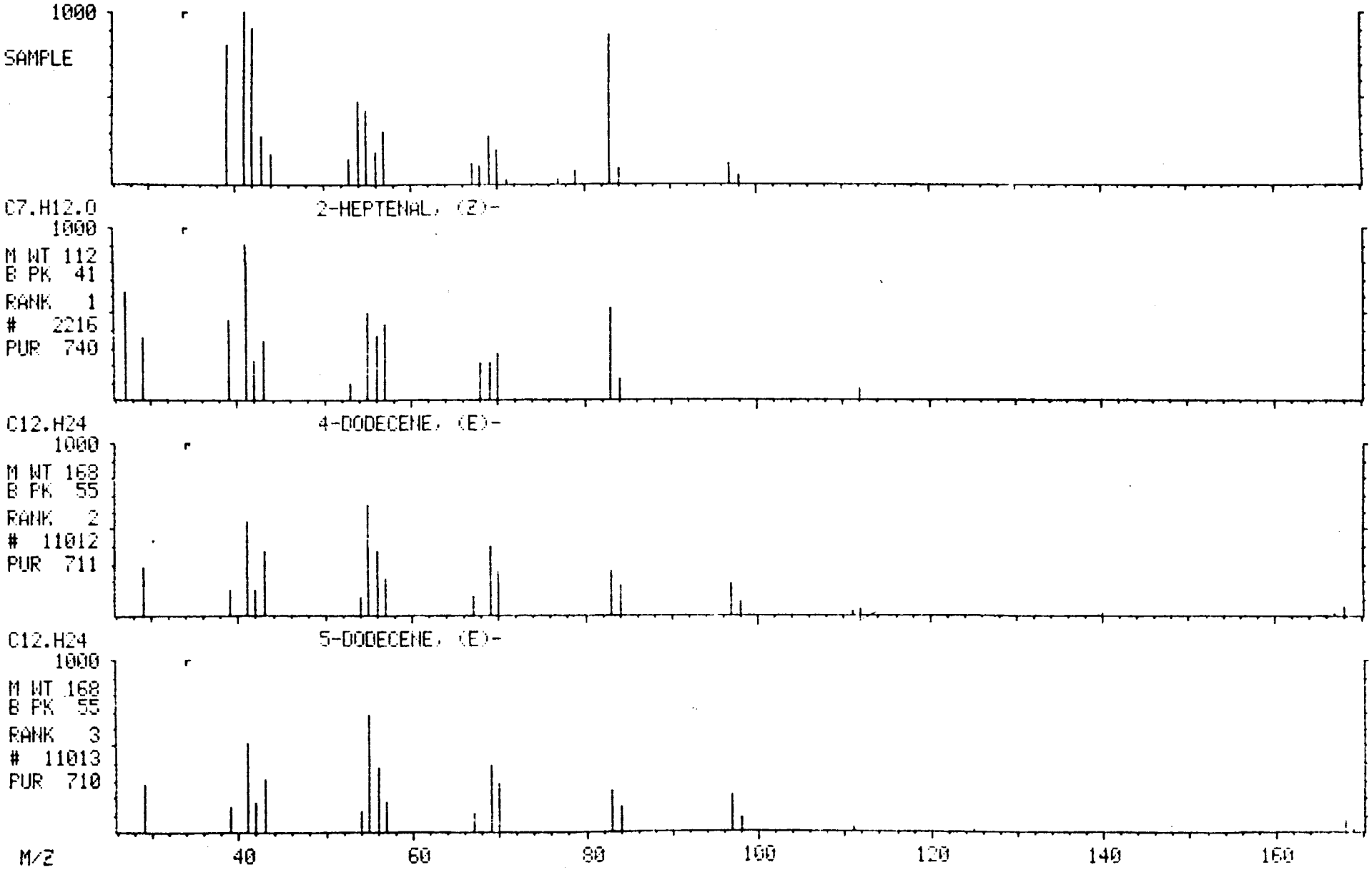


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 8:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 863
CALI: APR19GK06 # 3

BASE M/Z: 41
RIC: 7968.

0230

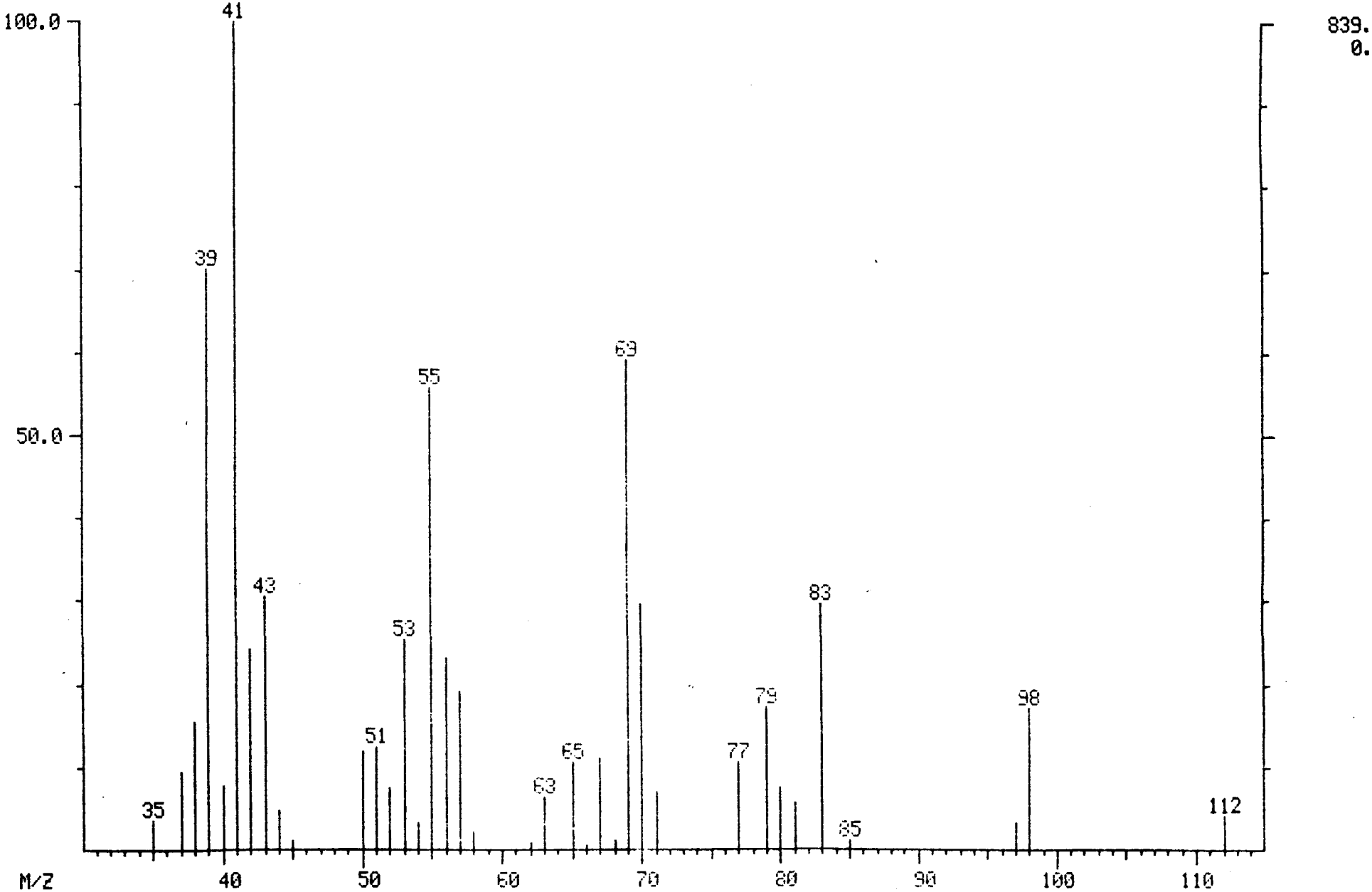


MASS SPECTRUM
04/19/91 15:22:00 + 9:29
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 95 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #957
CALI: APR19GK06 #3

BASE M/Z: 41
RIC: 5448.

002111

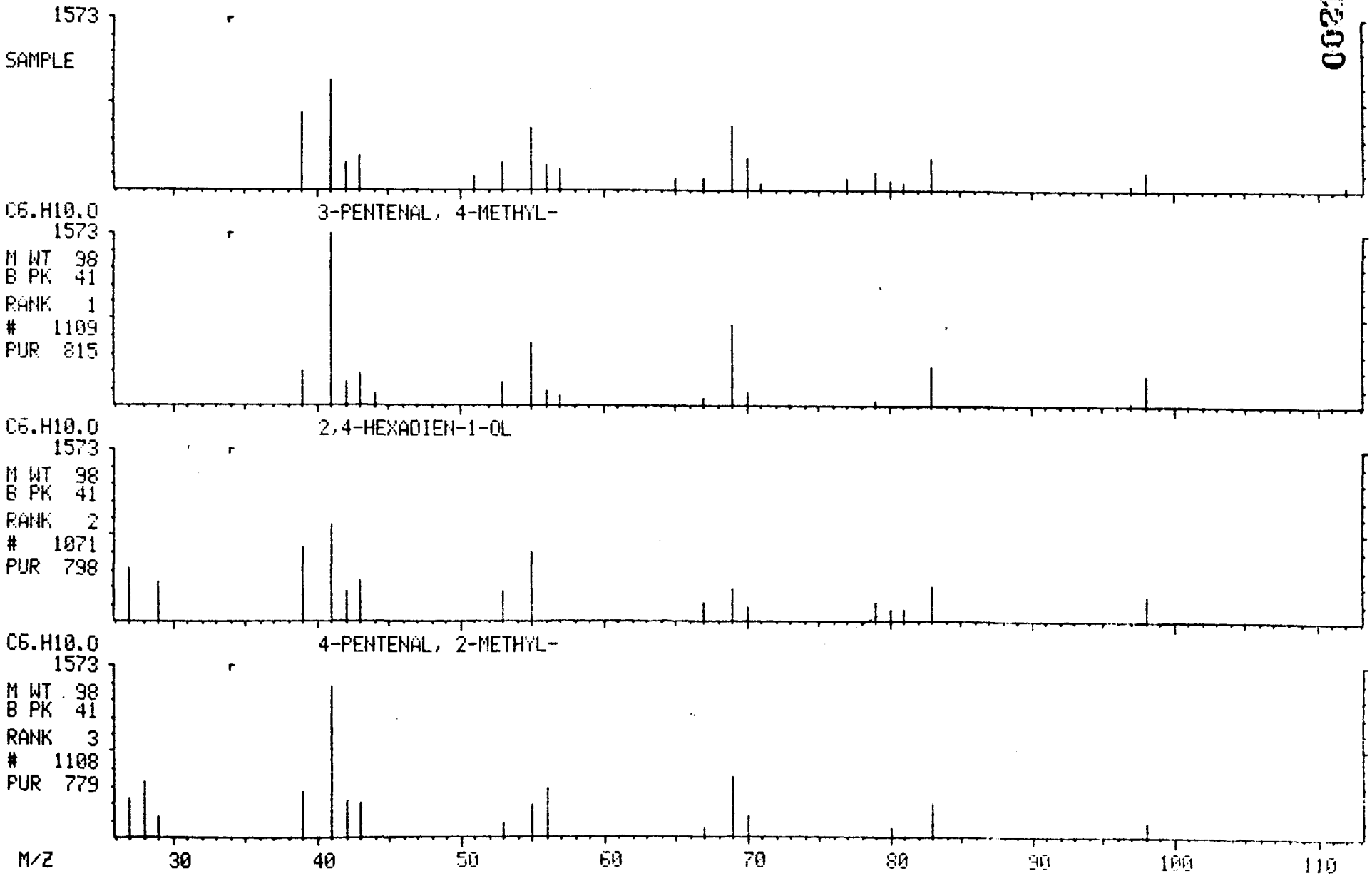


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 9:29
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 357
CALI: APR19GK06 # 3

BASE M/Z: 41
RIC: 4808.

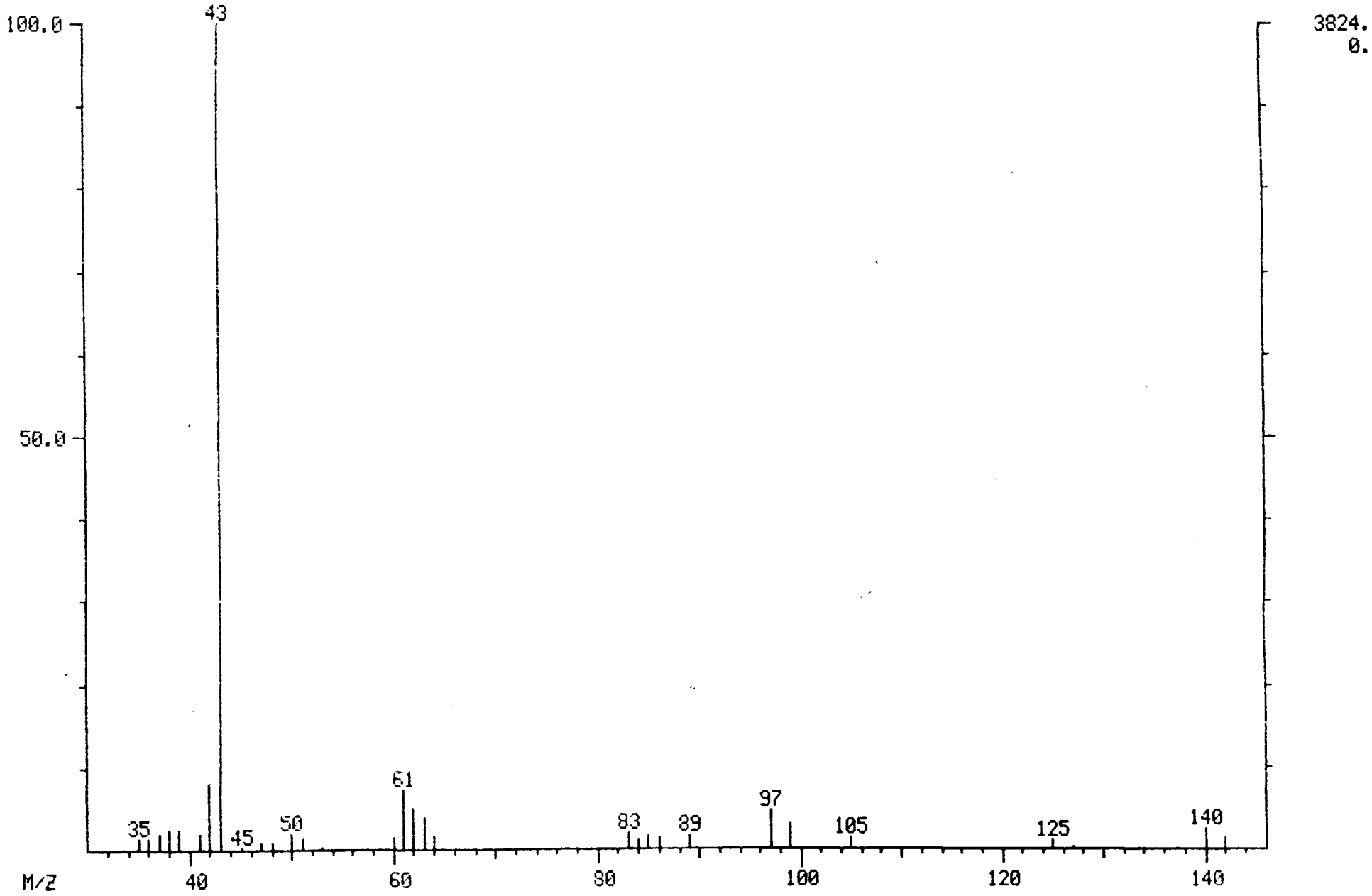
002112



MASS SPECTRUM
04/19/91 15:22:00 + 9:40
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 97 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #976
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 6368.

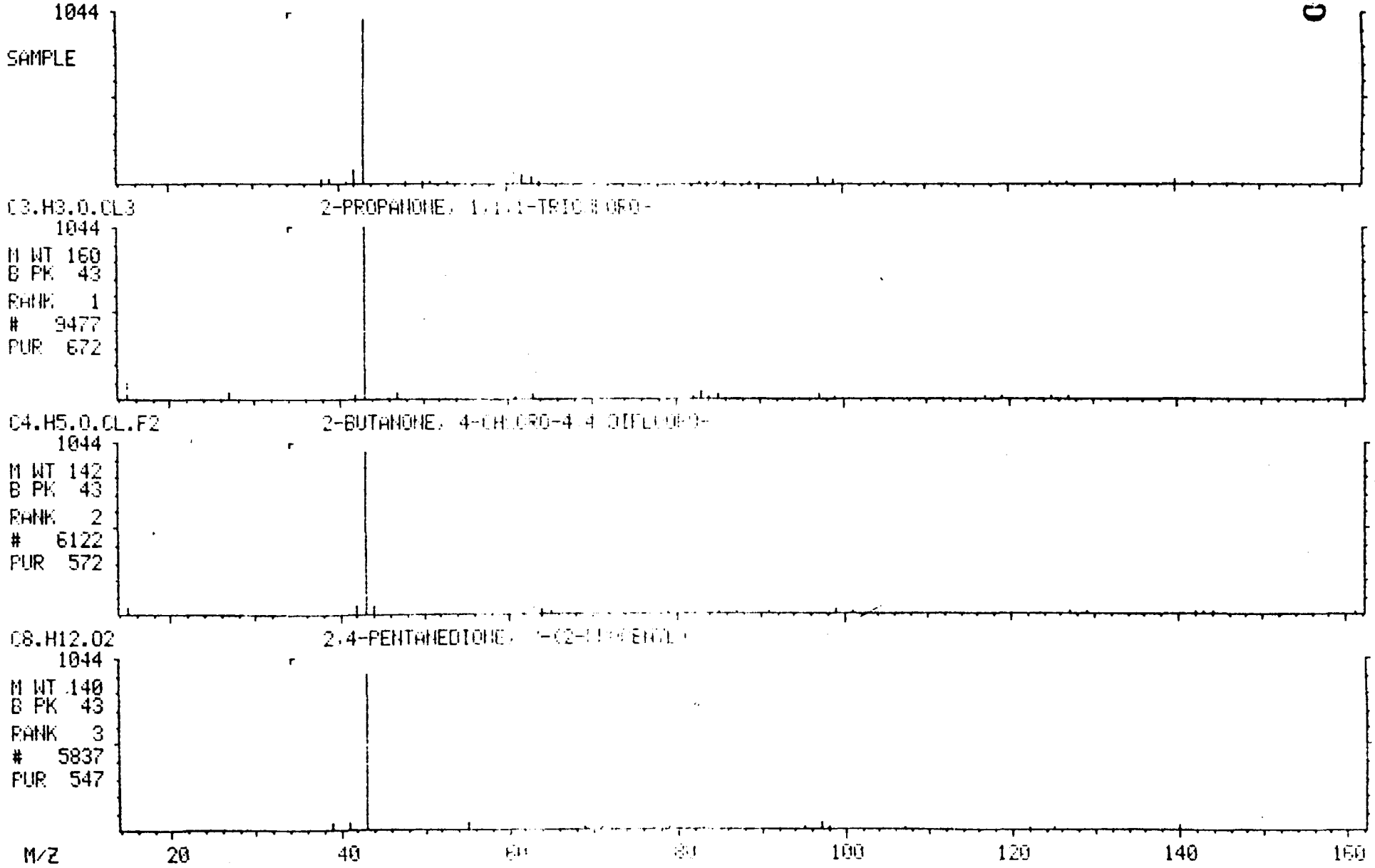


MID LIBRARY SEARCH (LIBRARY1B)
04/19/91 15:22:00 + 9:40
SAMPLE: 90910 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 976
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 6152.

002114

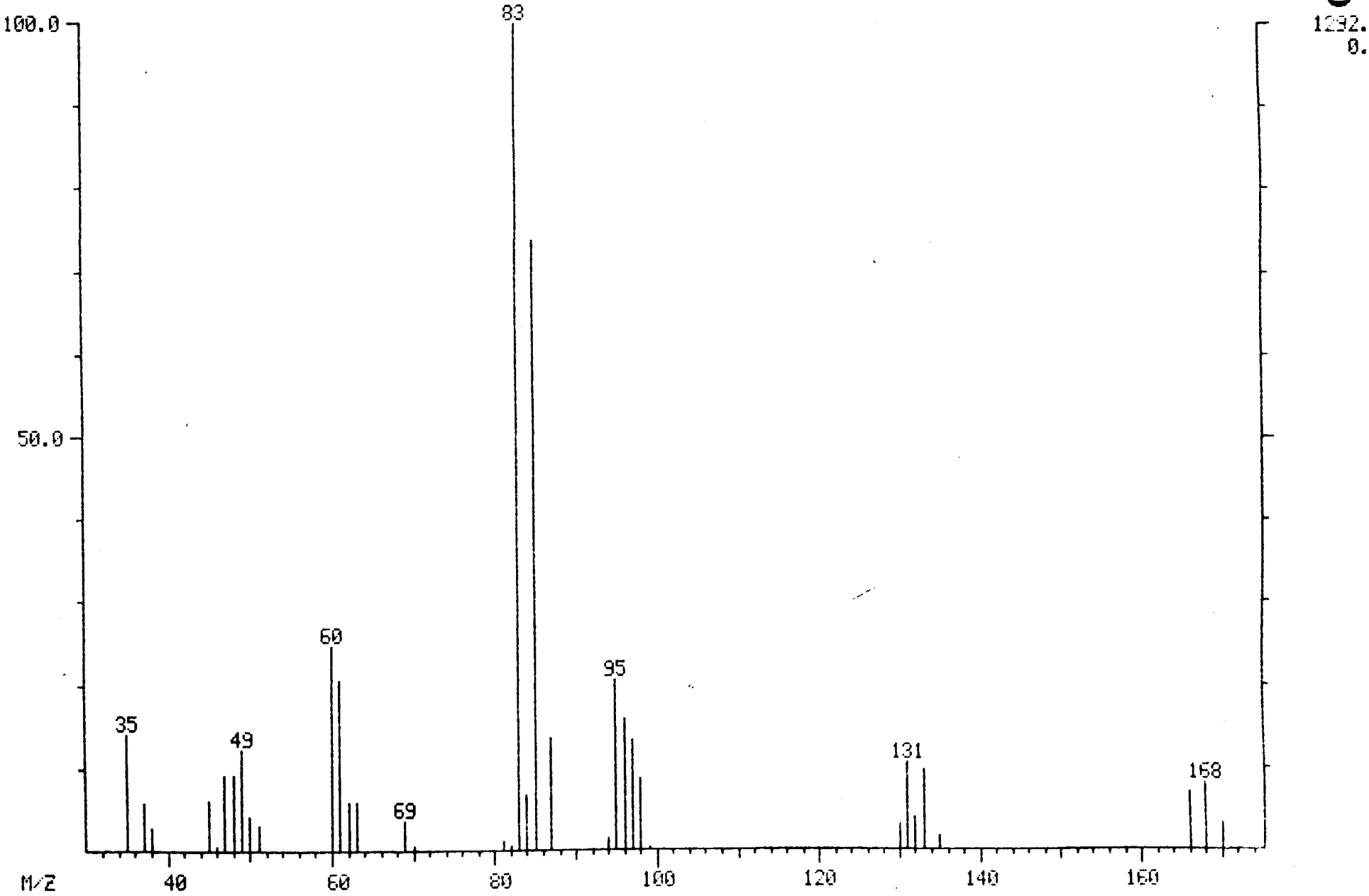


MASS SPECTRUM
04/19/91 15:22:00 + 9:46
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #985
CALI: APR19GK06 #3

BASE M/Z: 83
RIC: 5552.

002115

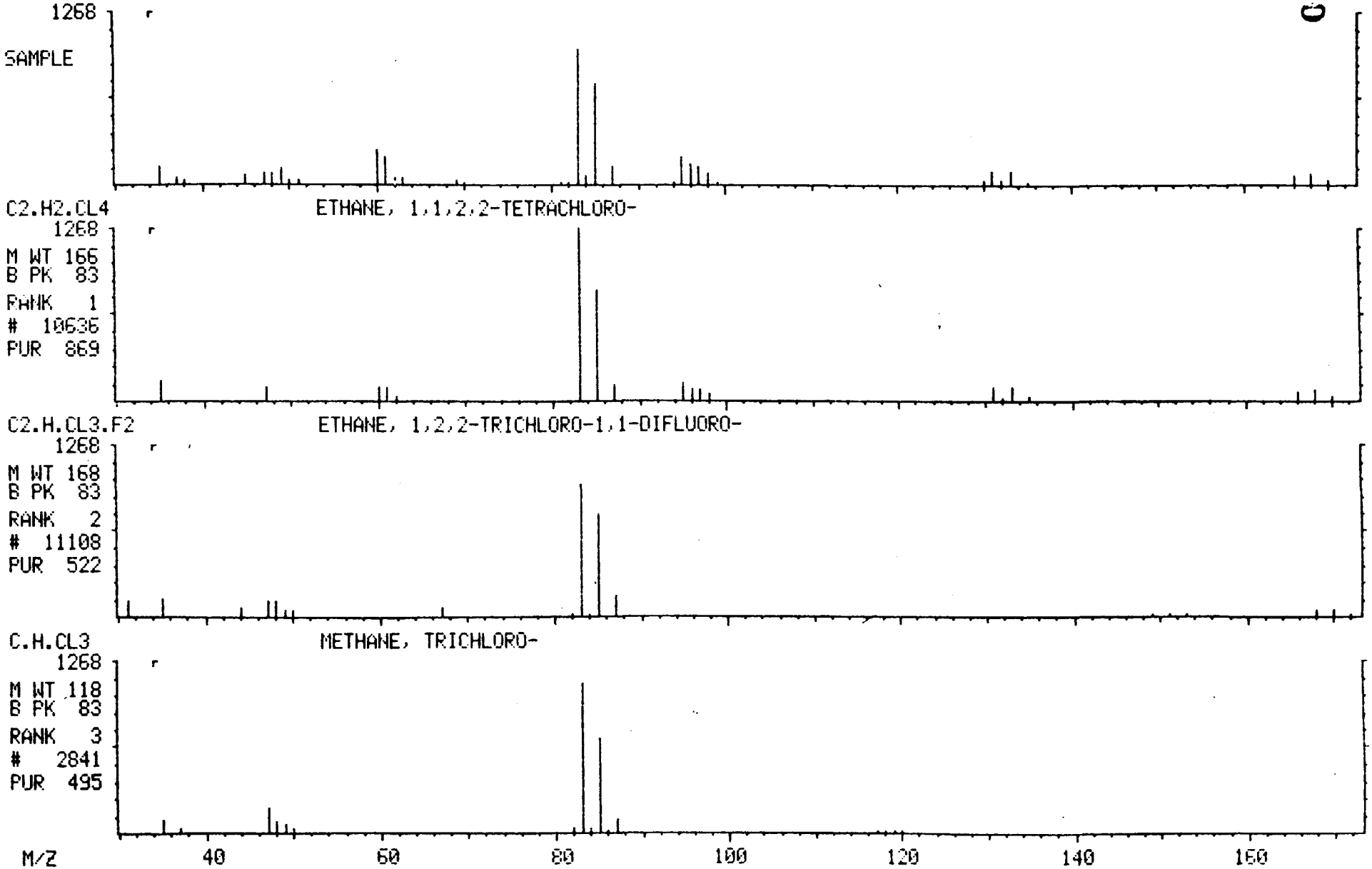


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 9:46
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 # 385
CALI: APR19GK06 # 3

BASE M/Z: 83
RIC: 5544.

002116

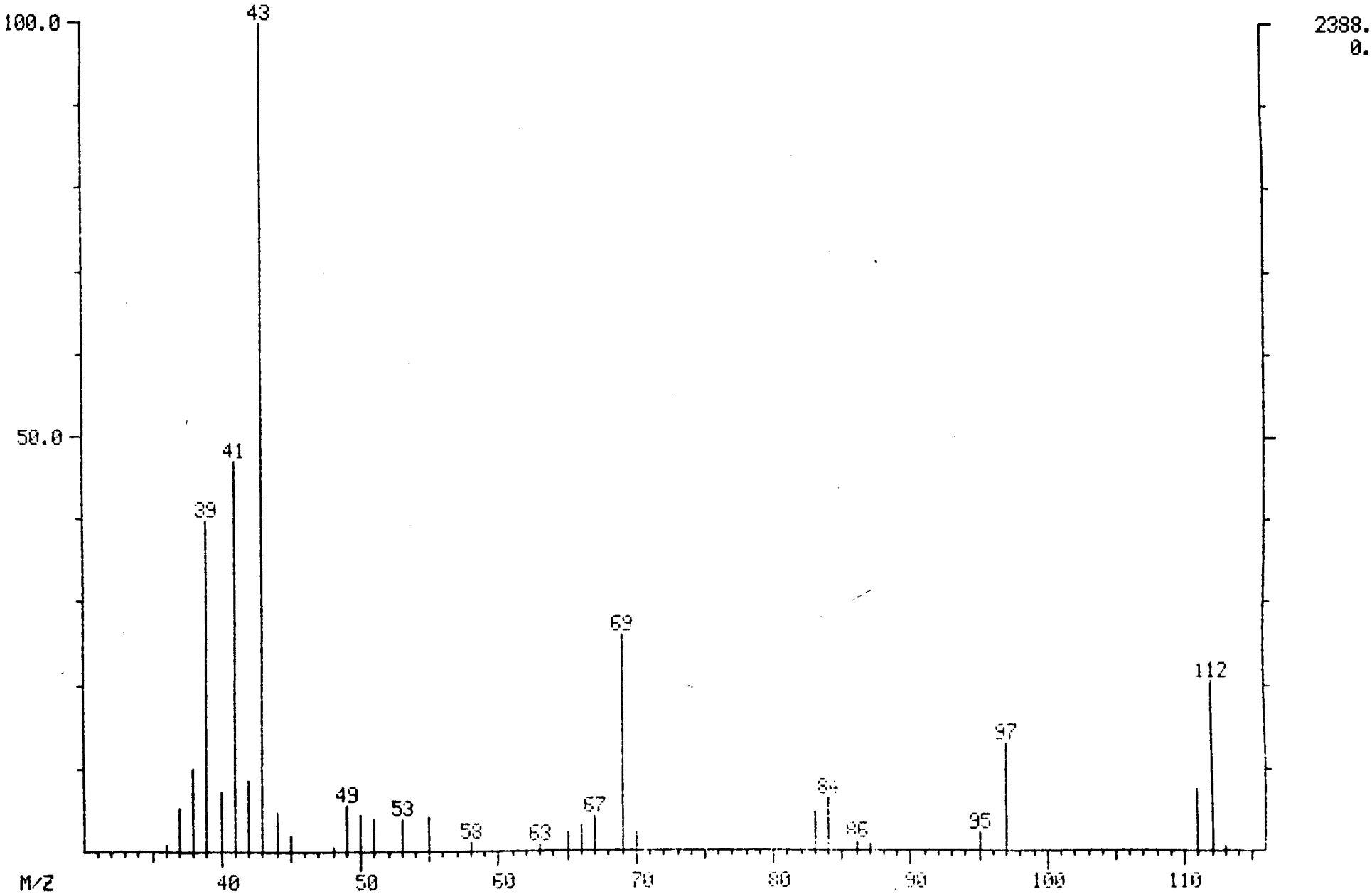


MASS SPECTRUM
04/19/91 15:22:00 + 10:09
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1024
CALI: APR19GK06 #3

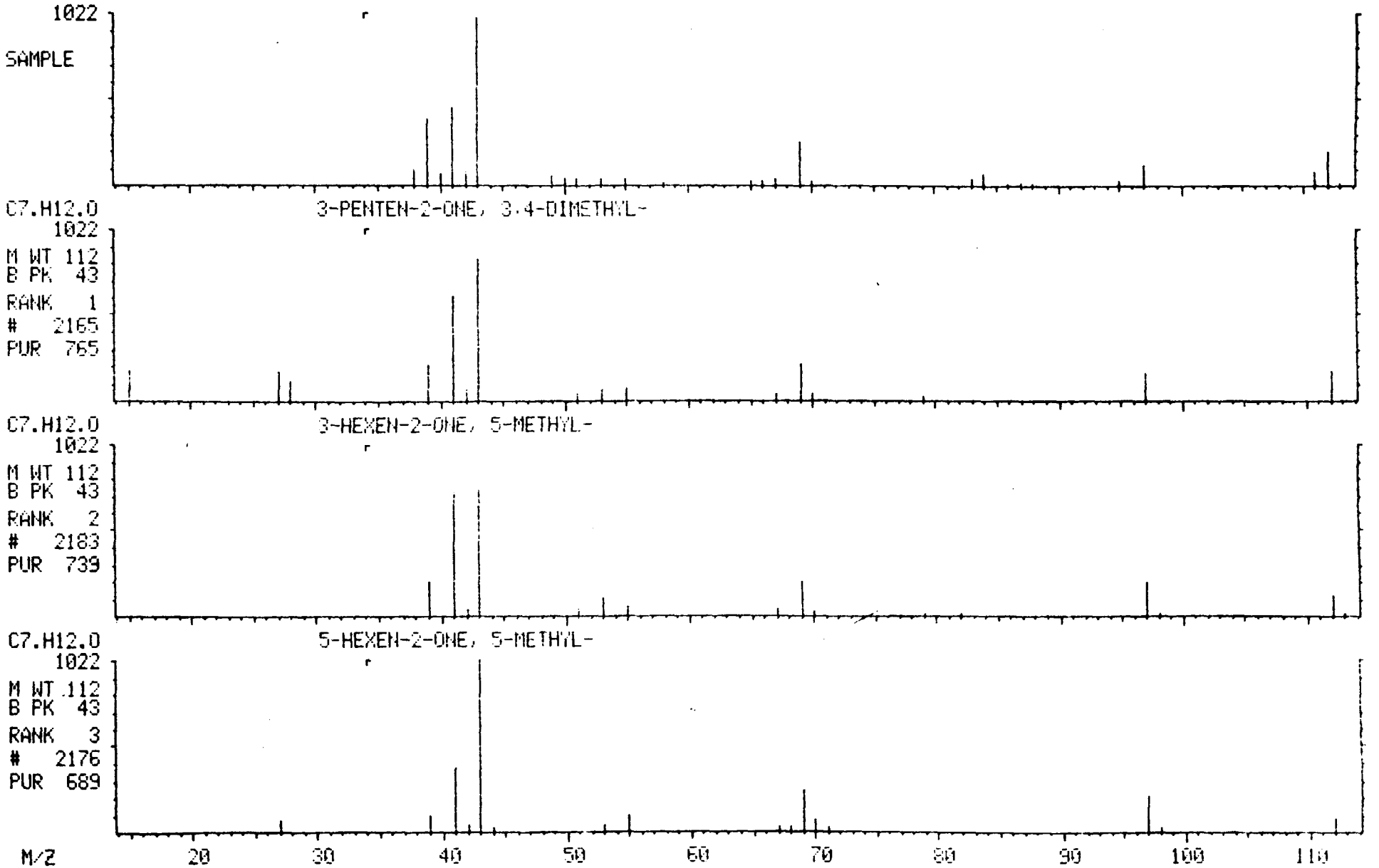
BASE M/Z: 43
RIC: 8208.

002117



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 10:09
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

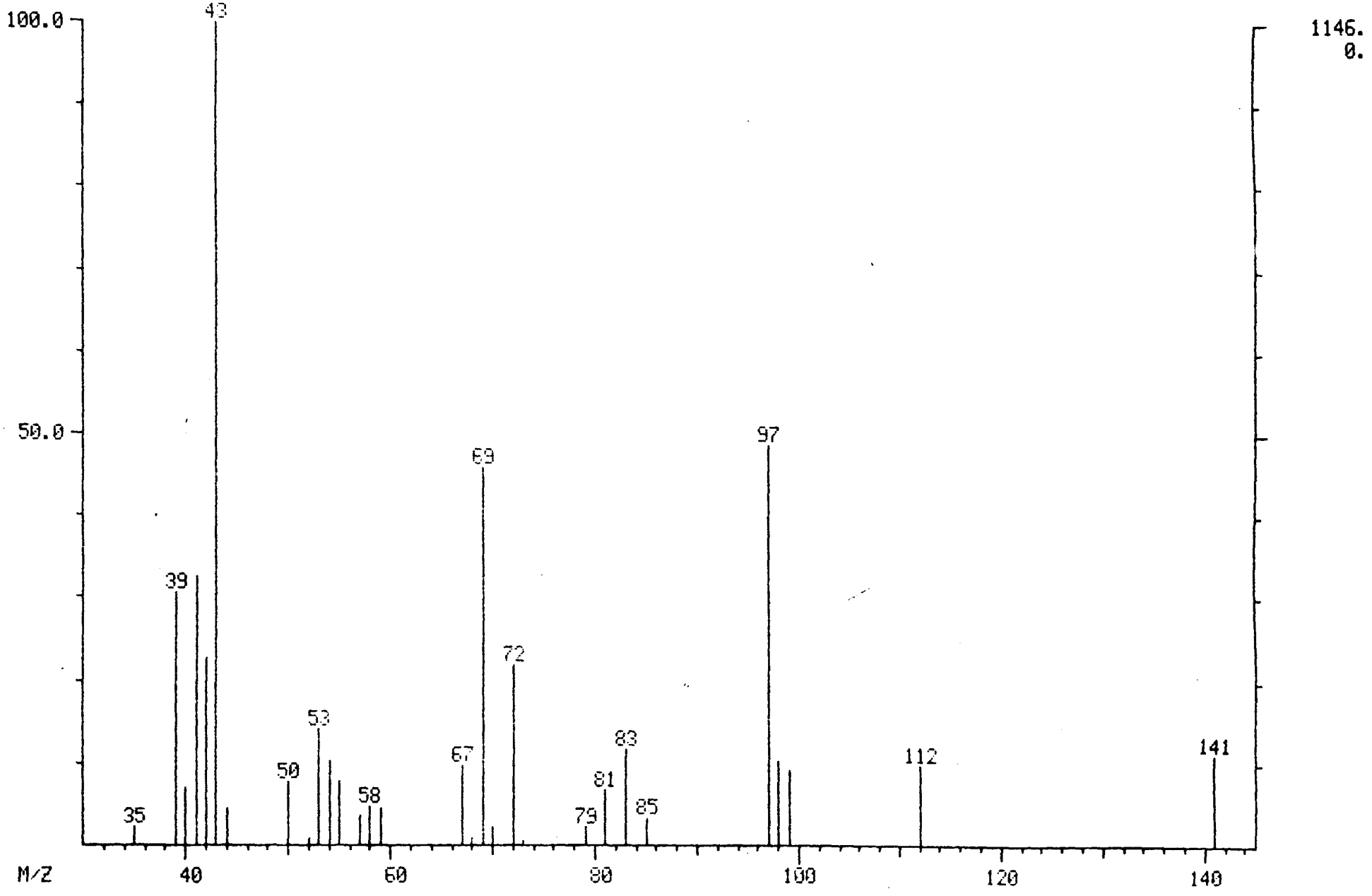
DATA: APR19GK06 #1024 BASE M/Z: 43
CALI: APR19GK06 # 3 RIC: 7880.



MASS SPECTRUM
04/19/91 15:22:00 + 10:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1064
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 5128.



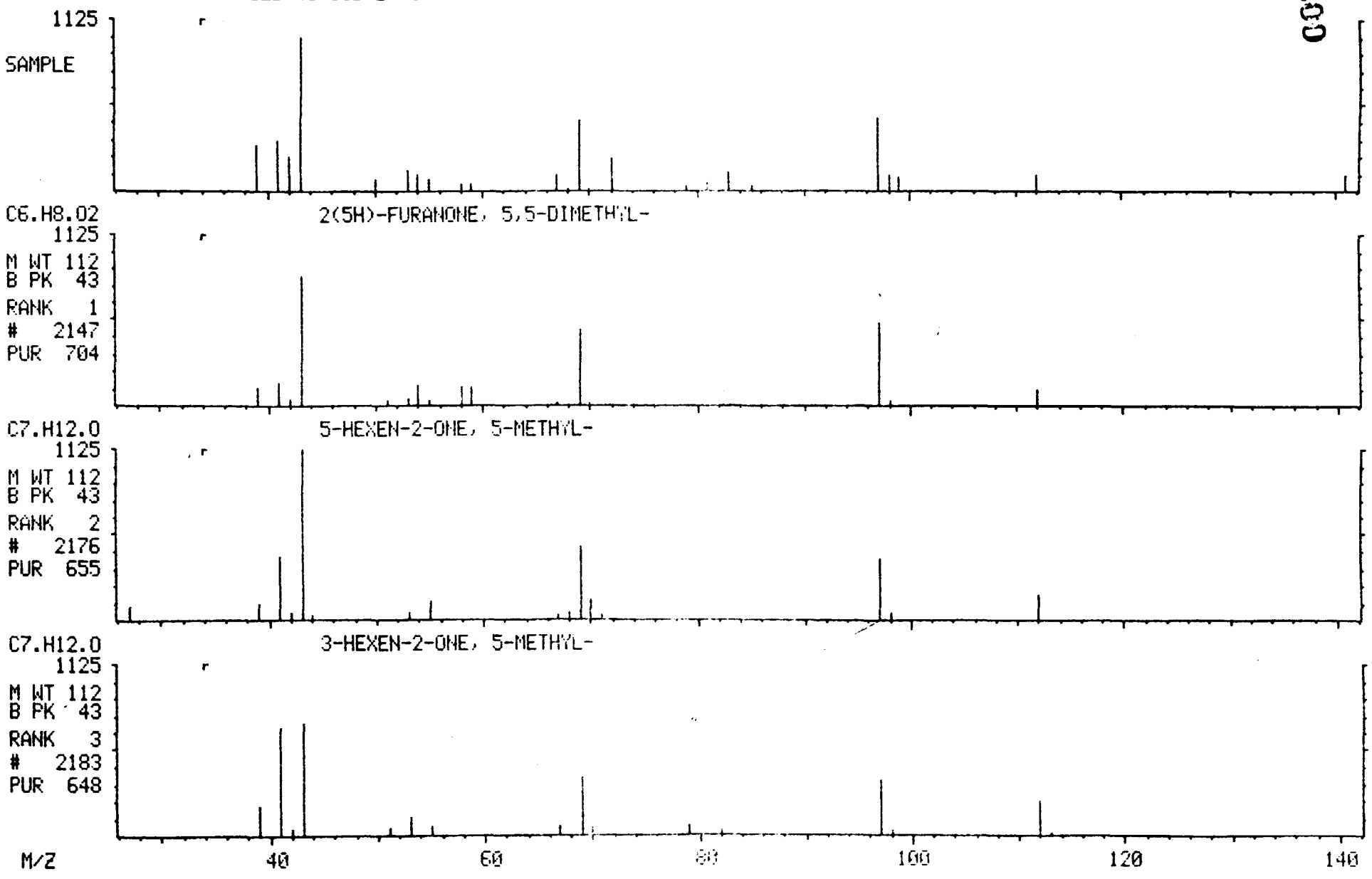
002218

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 10:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CHP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1064
REF: APR19GK06 # 3

BASE M/Z: 43
RIC: 4904.

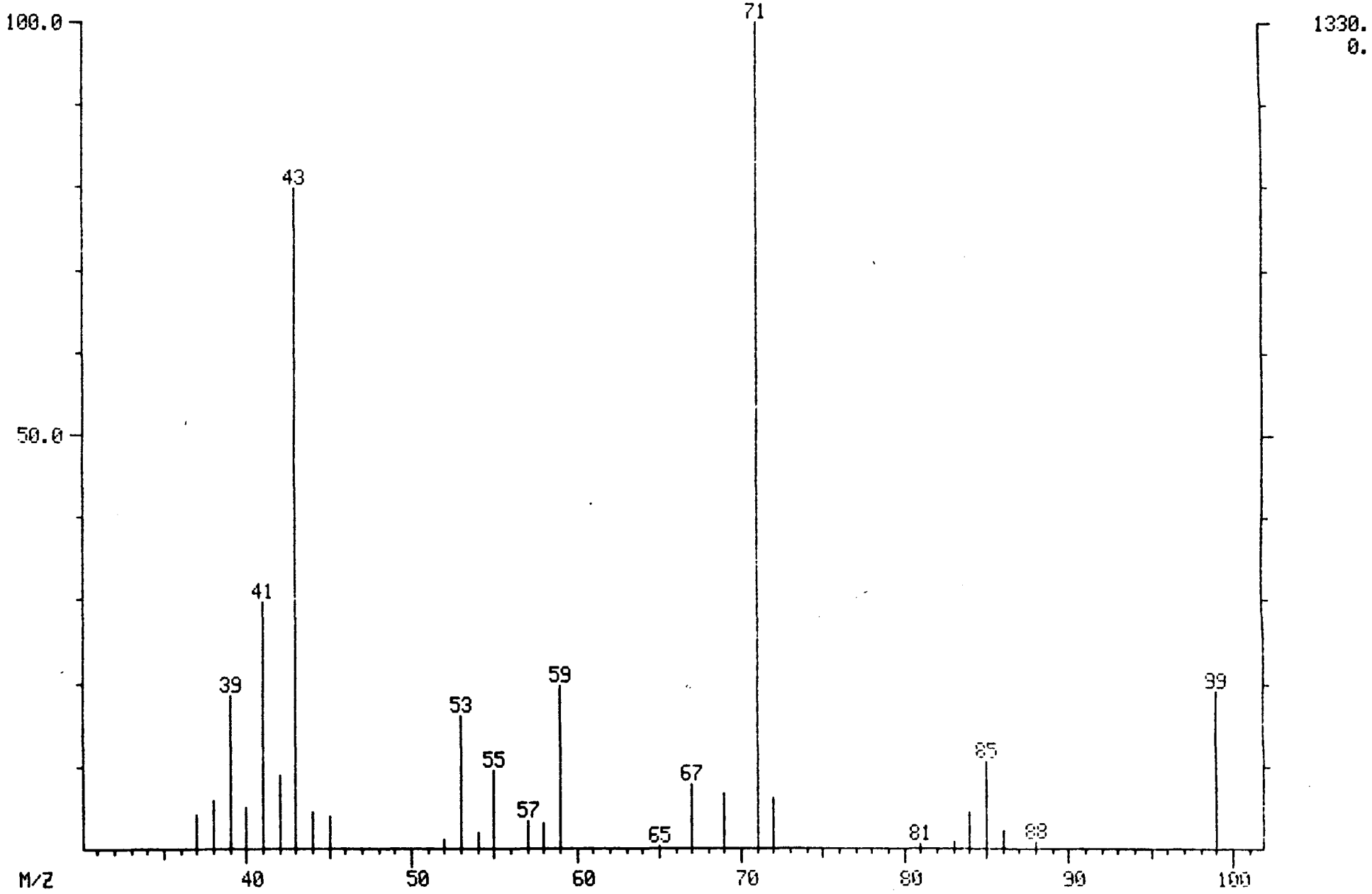
002119



MASS SPECTRUM
04/19/91 15:22:00 + 10:51
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 109 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1095
CALI: APR19GK06 #3

BASE M/Z: 71
RIC: 4976.



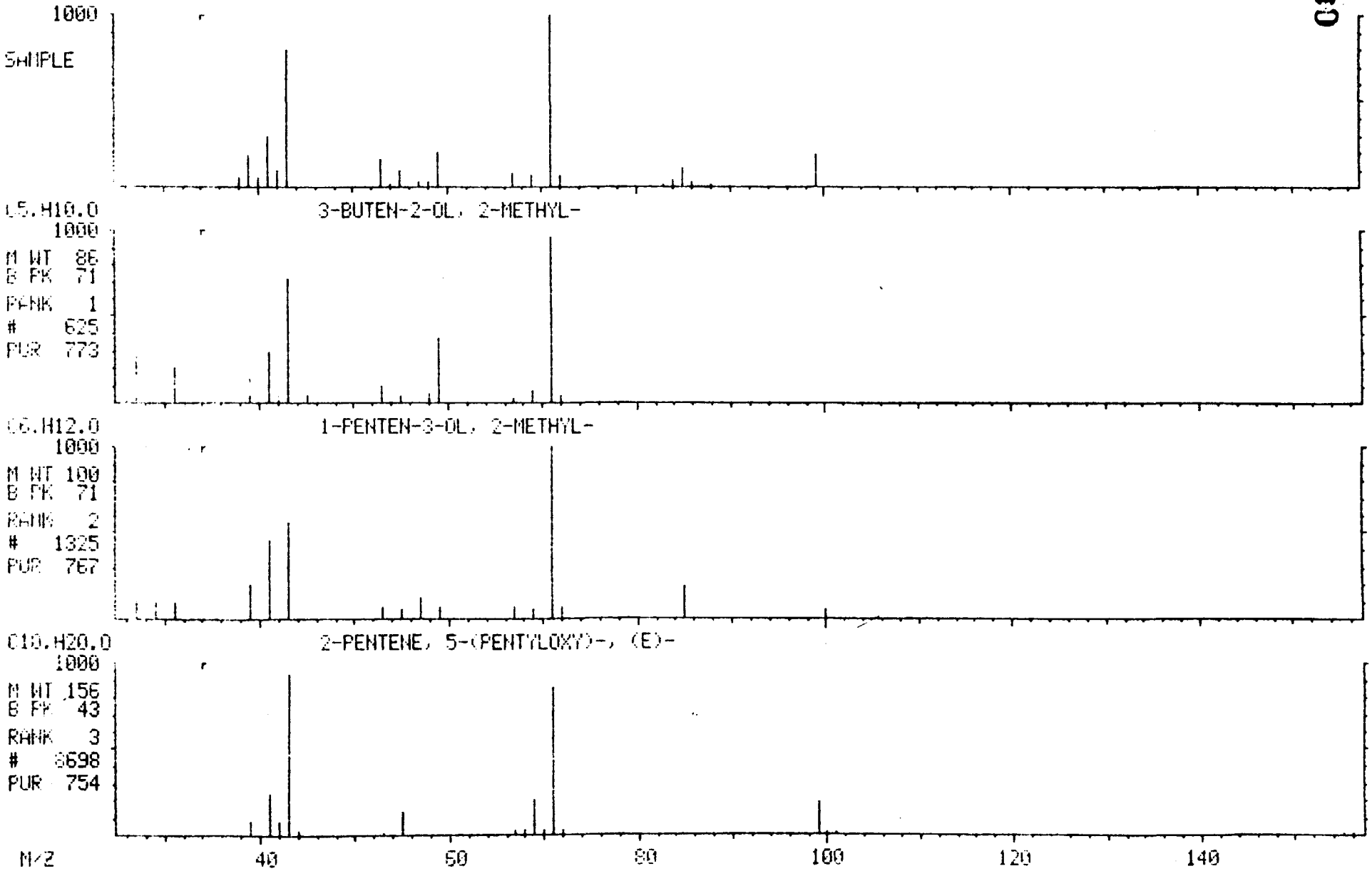
002200

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 10:51
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1095
CALI: APR19GK06 # 3

BASE M/Z: 71
RIC: 4792.

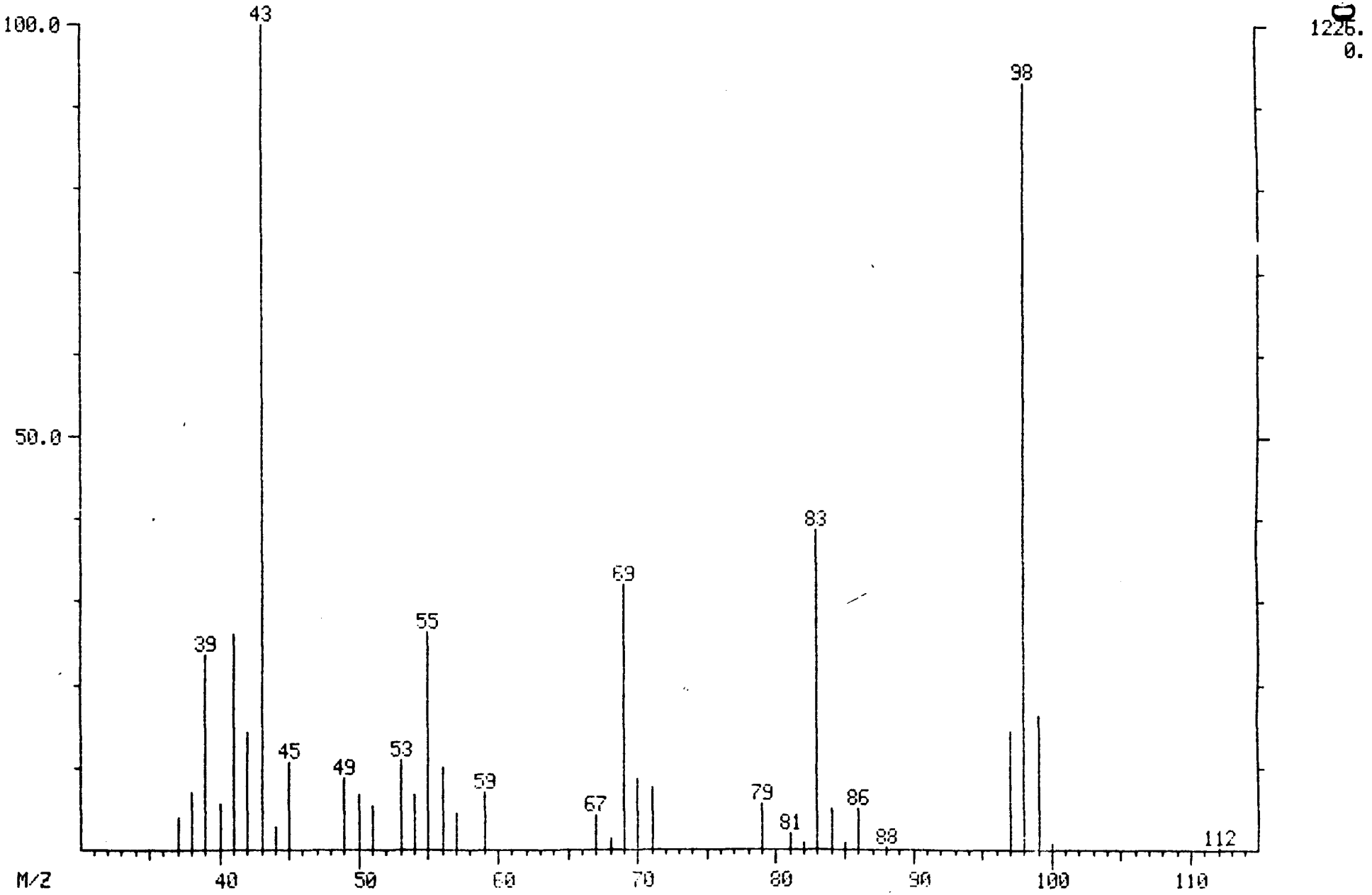
002121



MASS SPECTRUM
04/19/91 15:22:00 + 11:12
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: APR19GK06 #1130
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 6336.



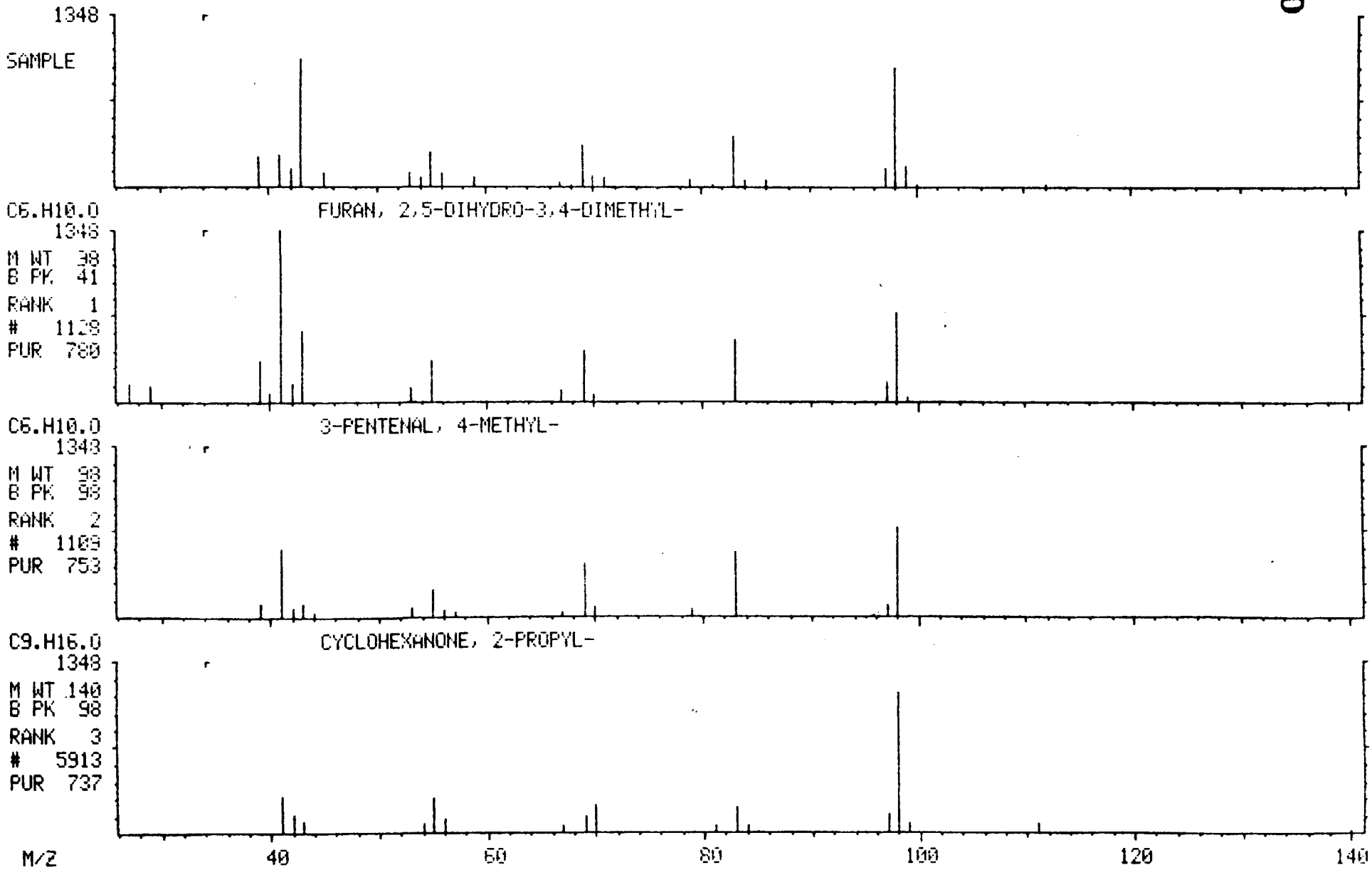
0022122

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 11:12
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1130
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 5768.

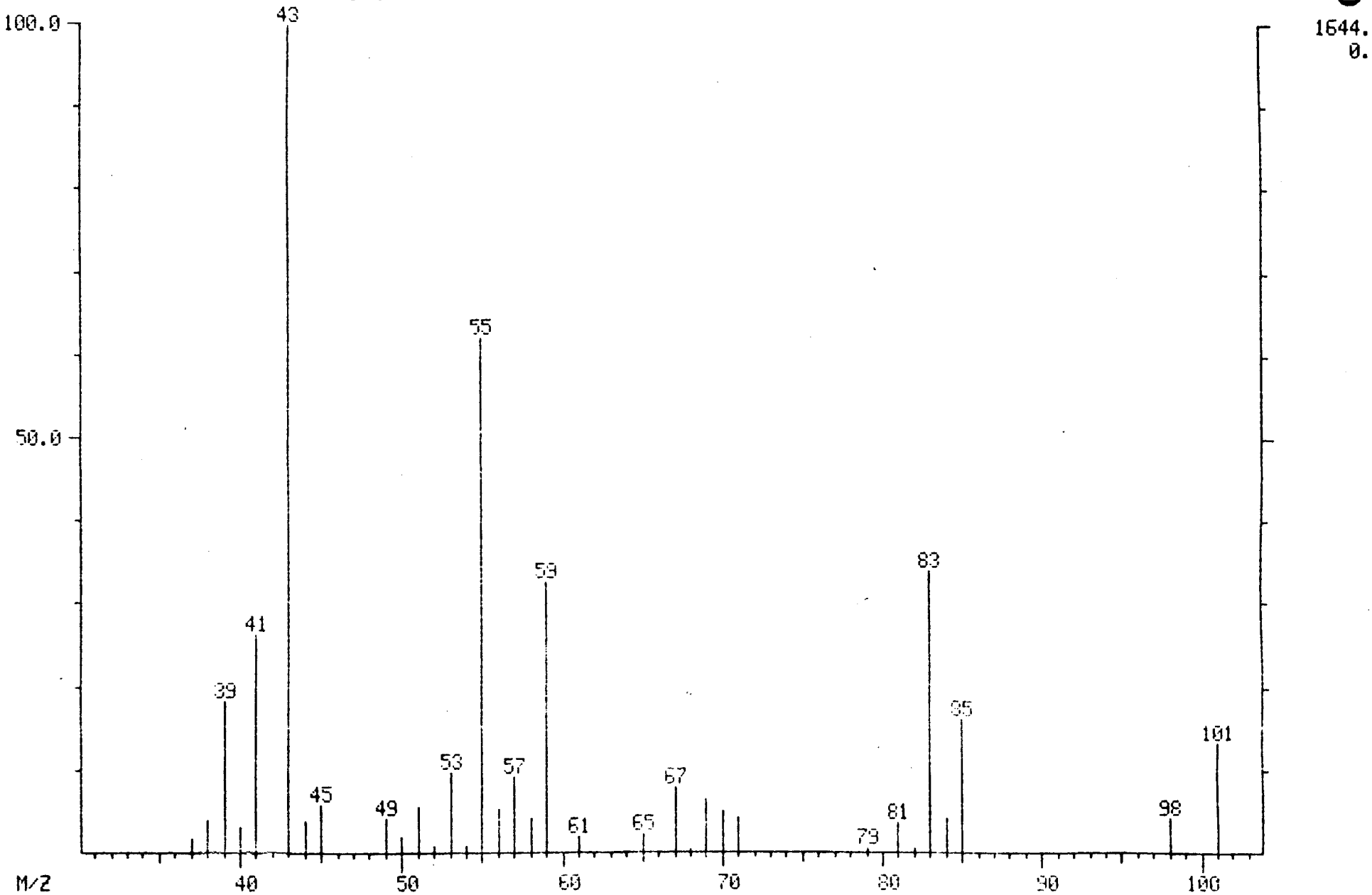
002120



MASS SPECTRUM
04/19/91 15:22:00 + 11:23
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1149
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 6648.



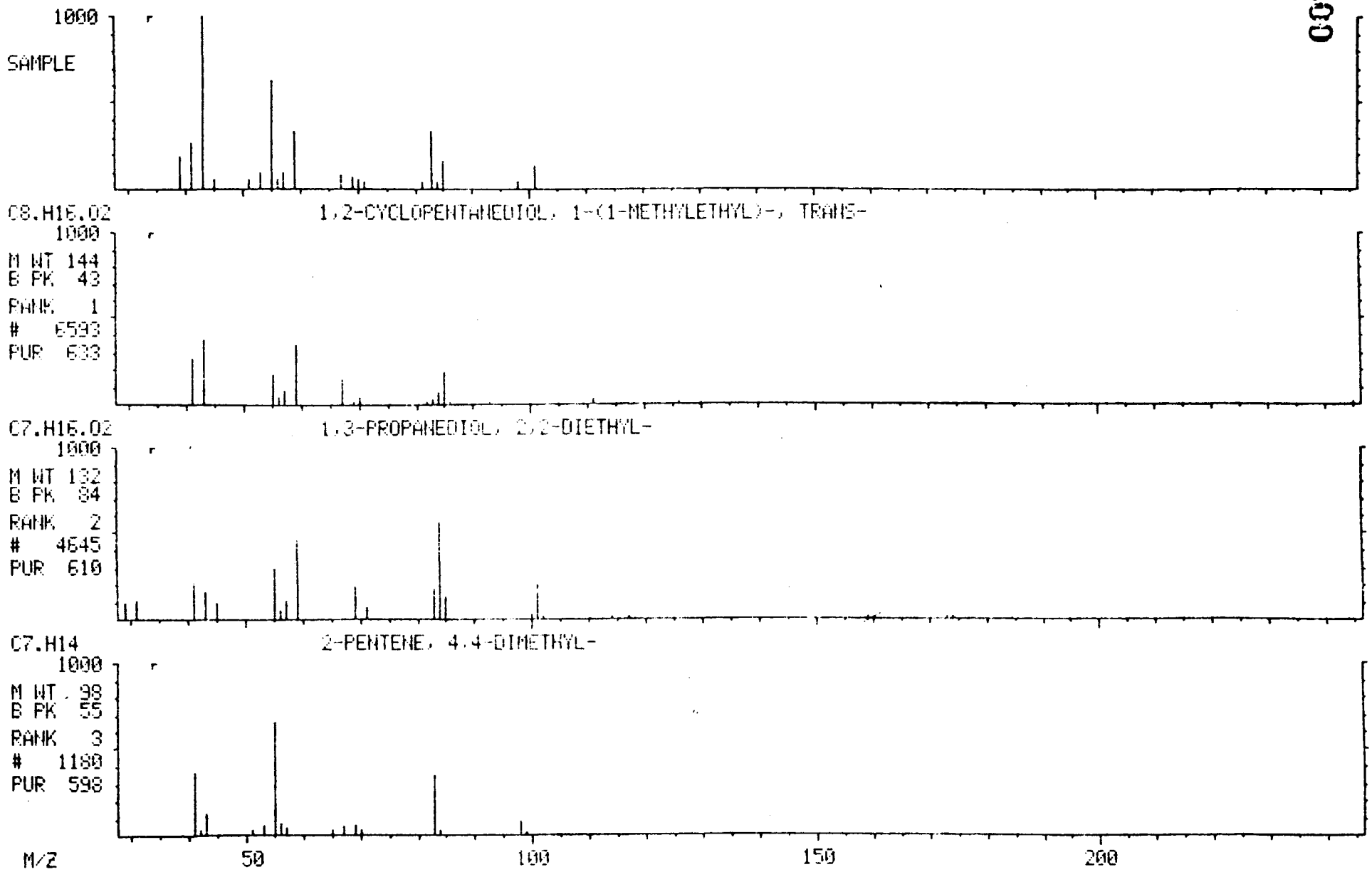
002124

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 11:23
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1149
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 6136.

002125

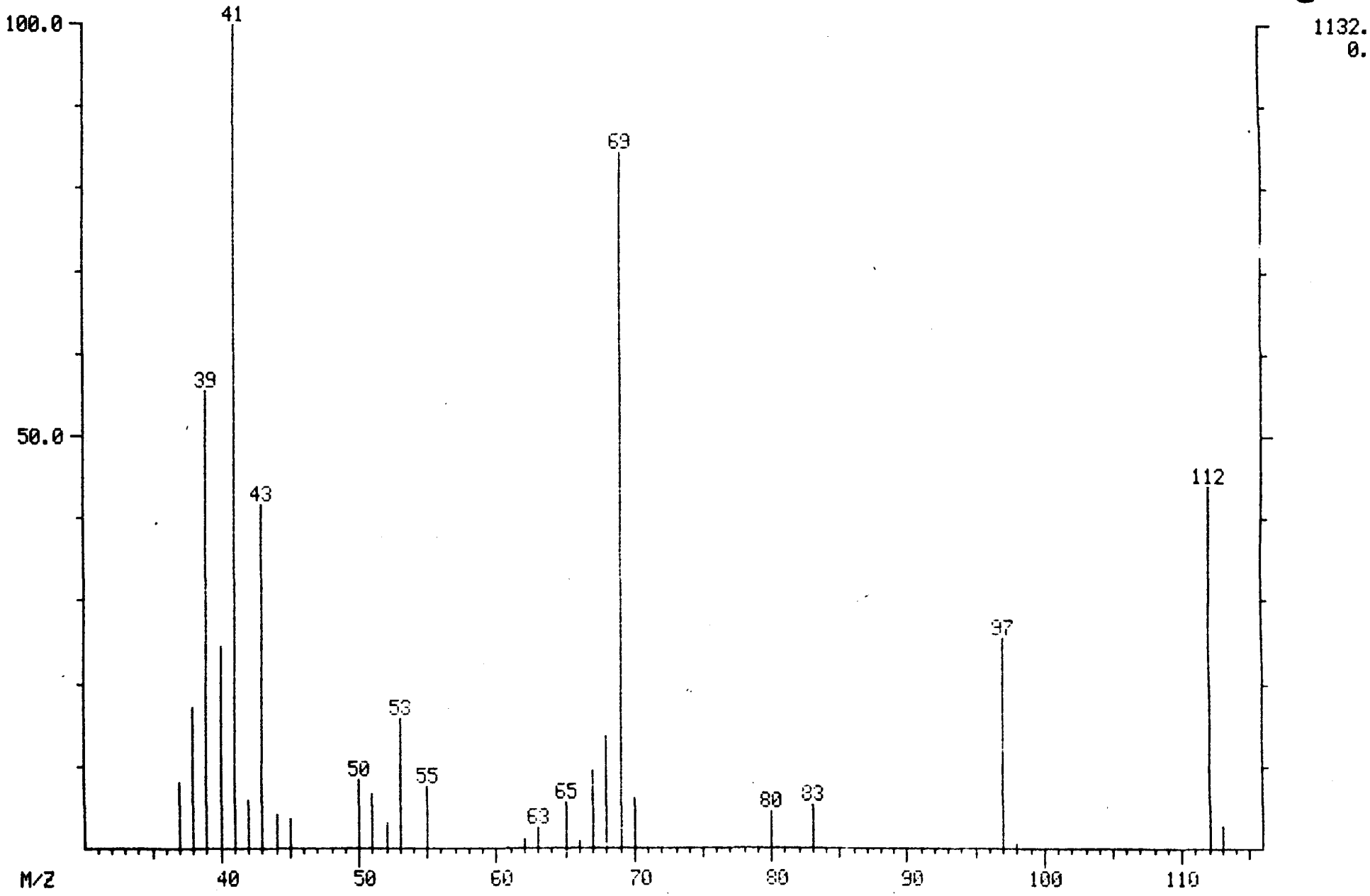


MASS SPECTRUM
04/19/91 15:22:00 + 11:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 116 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1165
CALI: APR19GK06 #3

BASE M/Z: 41
RIC: 5760.

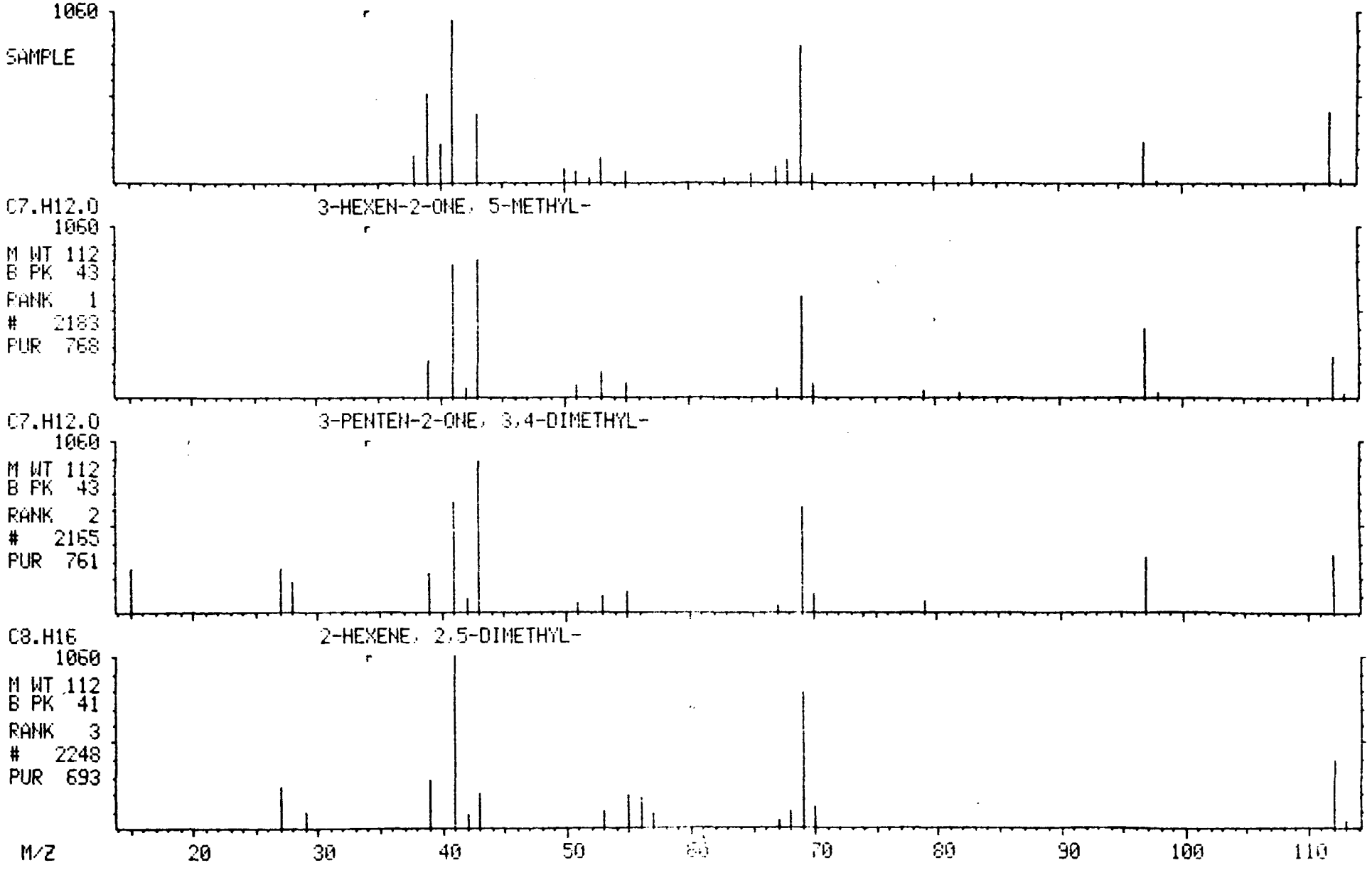
002126



MID LIBRARY SEARCH (LIBRARYHB)
04/19/91 15:22:00 + 11:33
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1165
CALI: APR19GK06 # 3

BASE M/Z: 41
RIC: 5488.

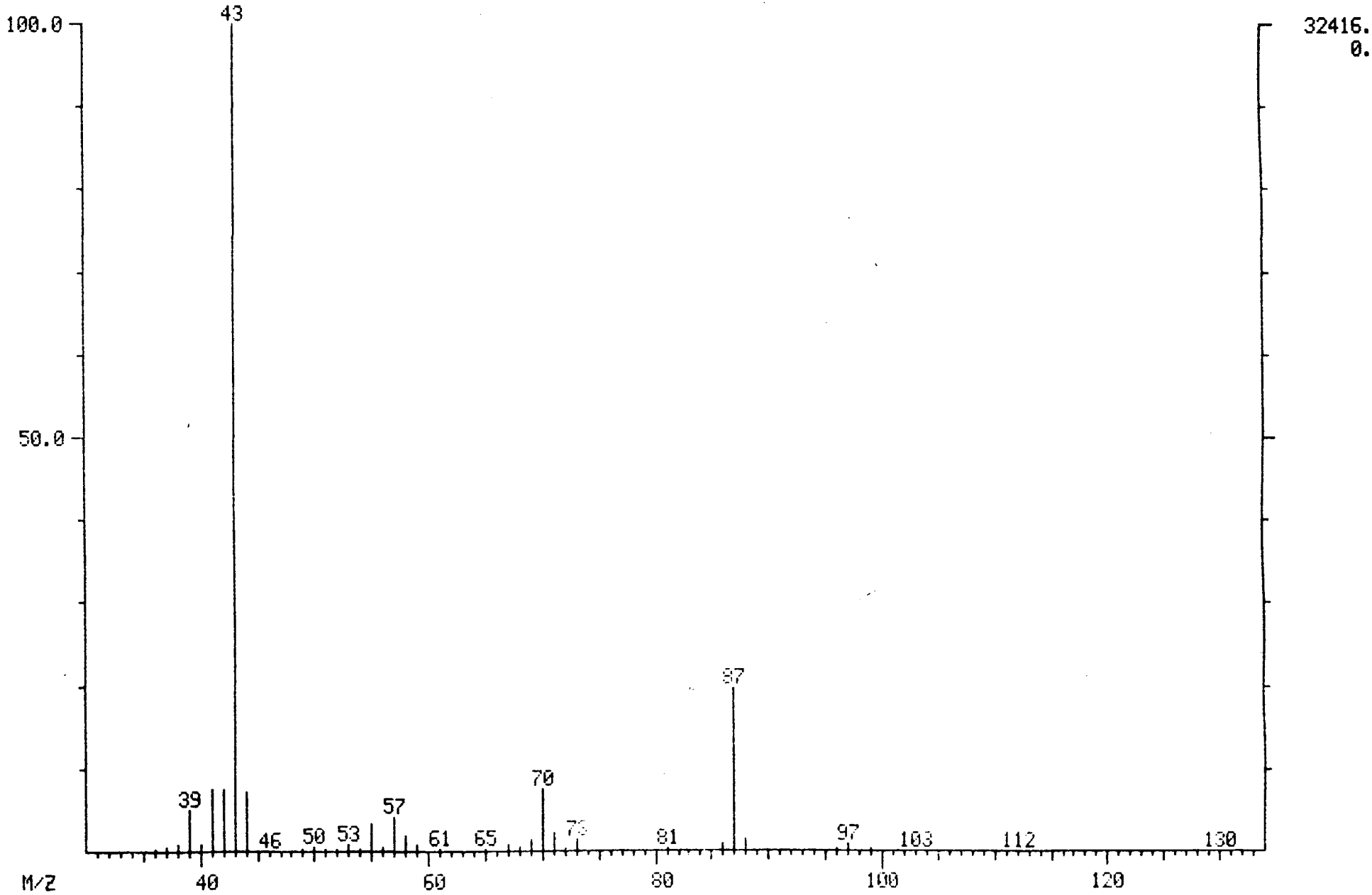


227200

MASS SPECTRUM
04/19/91 15:22:00 + 11:39
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1175
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 58752.

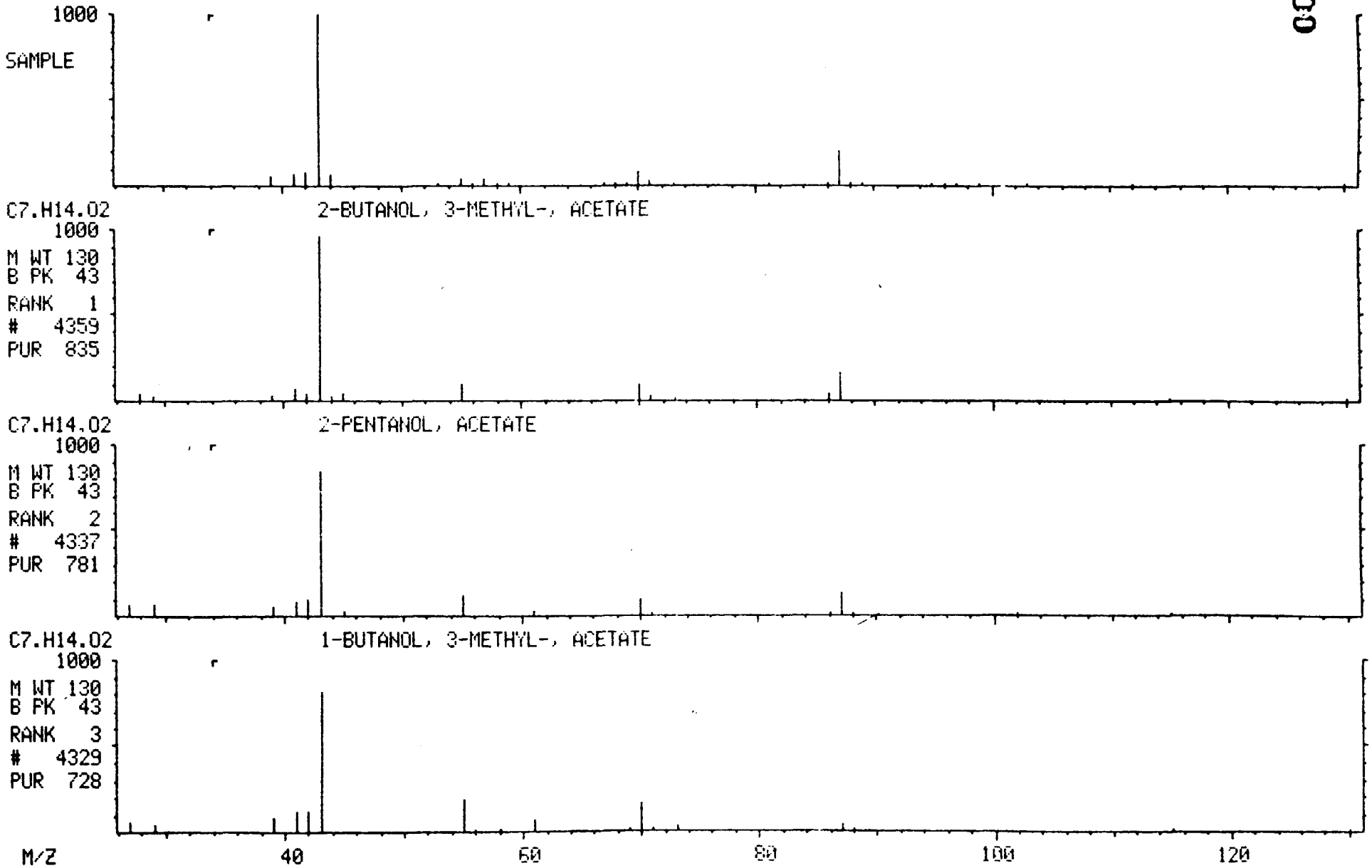


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 11:39
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1175
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 56960.

002129

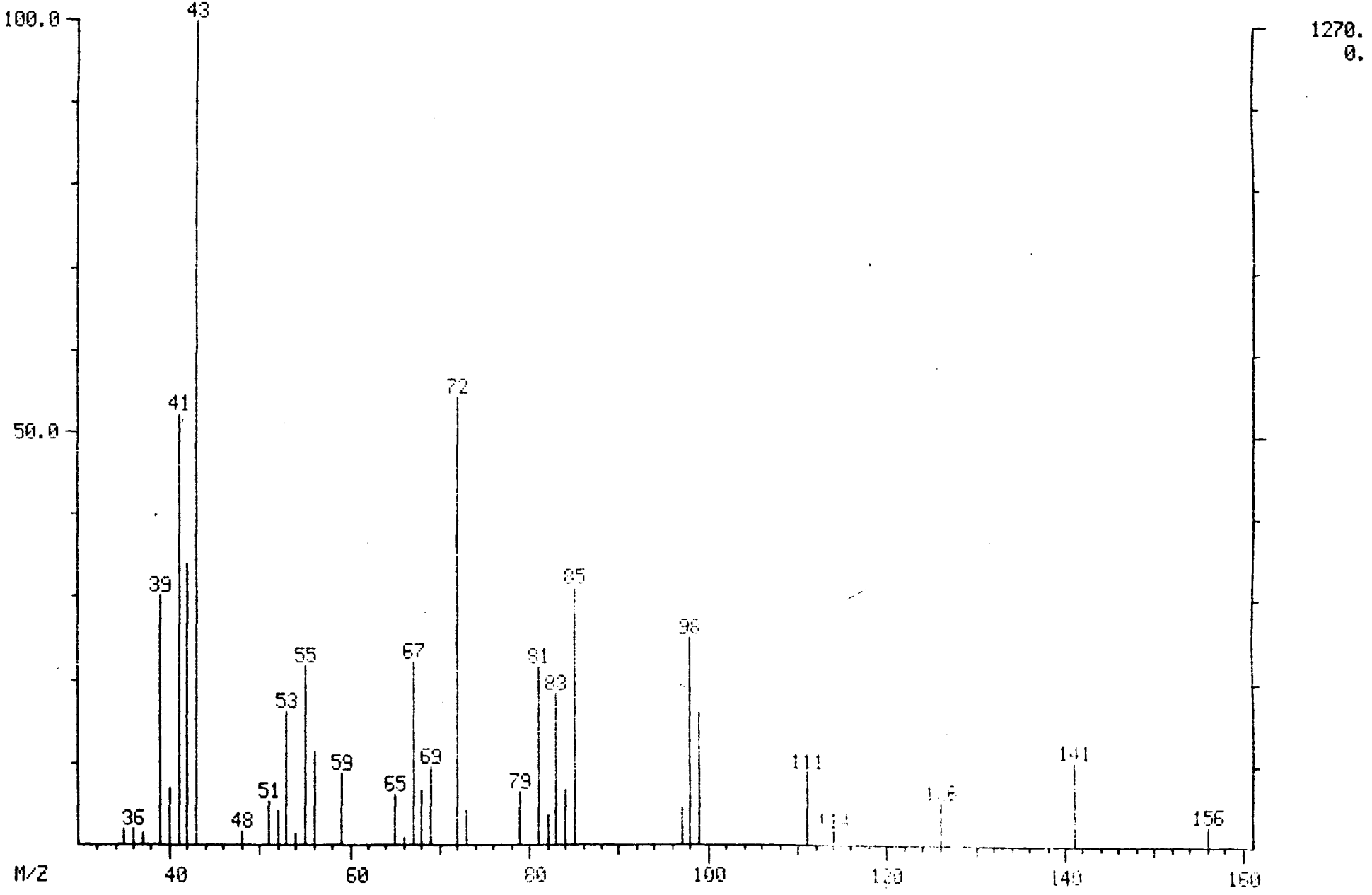


MASS SPECTRUM
04/19/91 15:22:00 + 12:01
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1213
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 7176.

002130

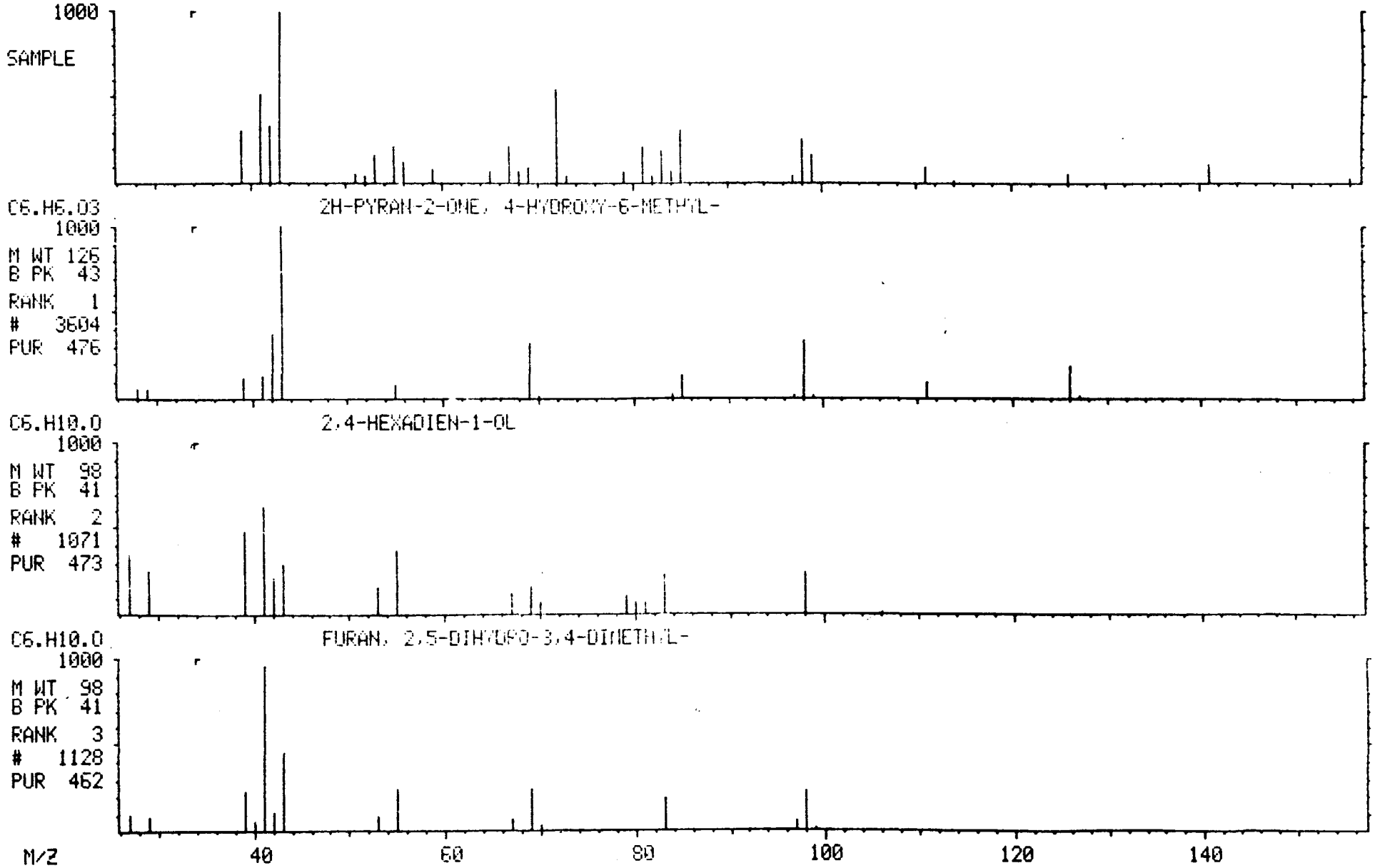


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 12:01
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1213
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 6968.

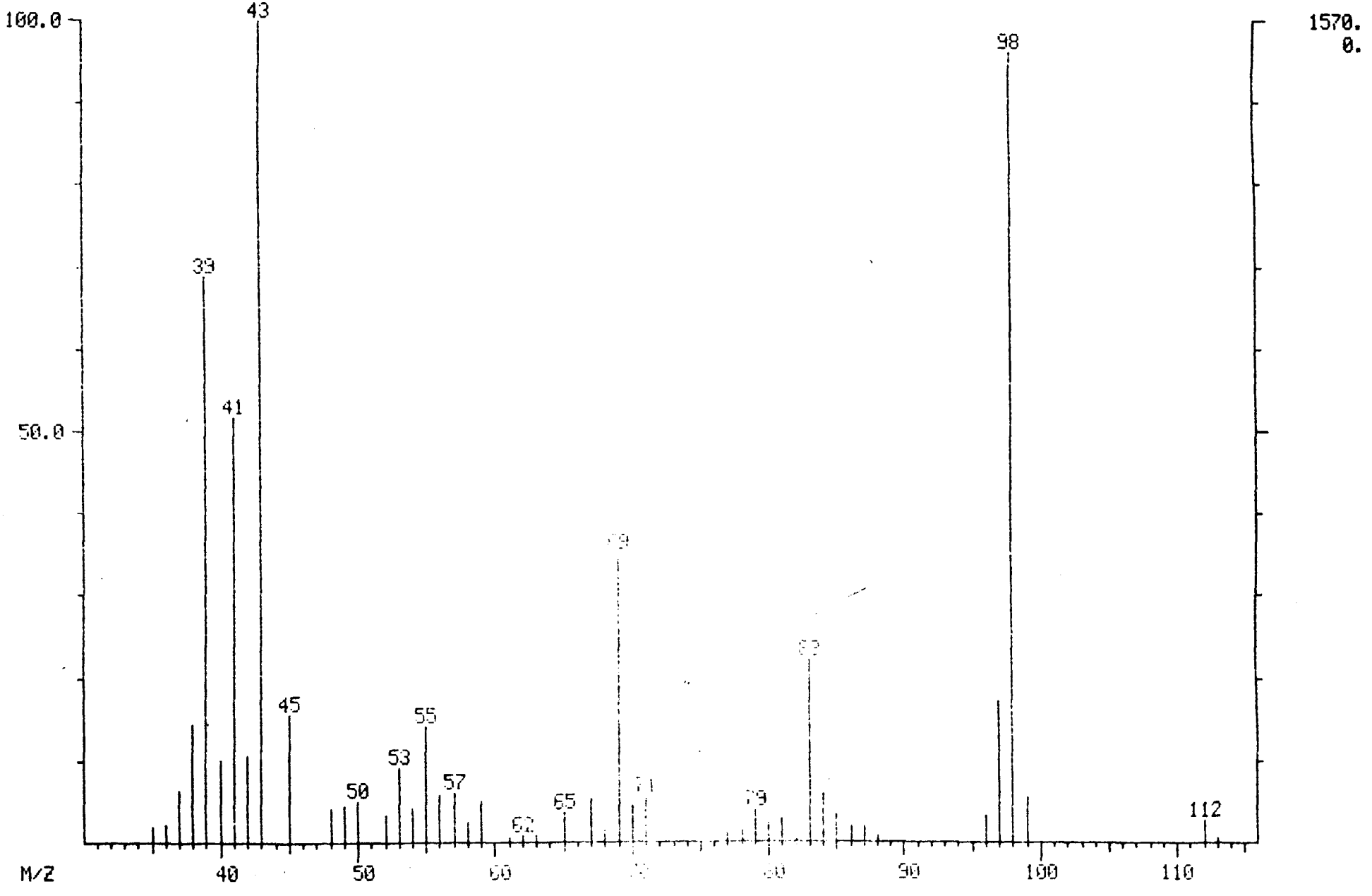
002131



MASS SPECTRUM
04/19/91 15:22:00 + 12:07
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1223
CALI: APR19GK06 #3

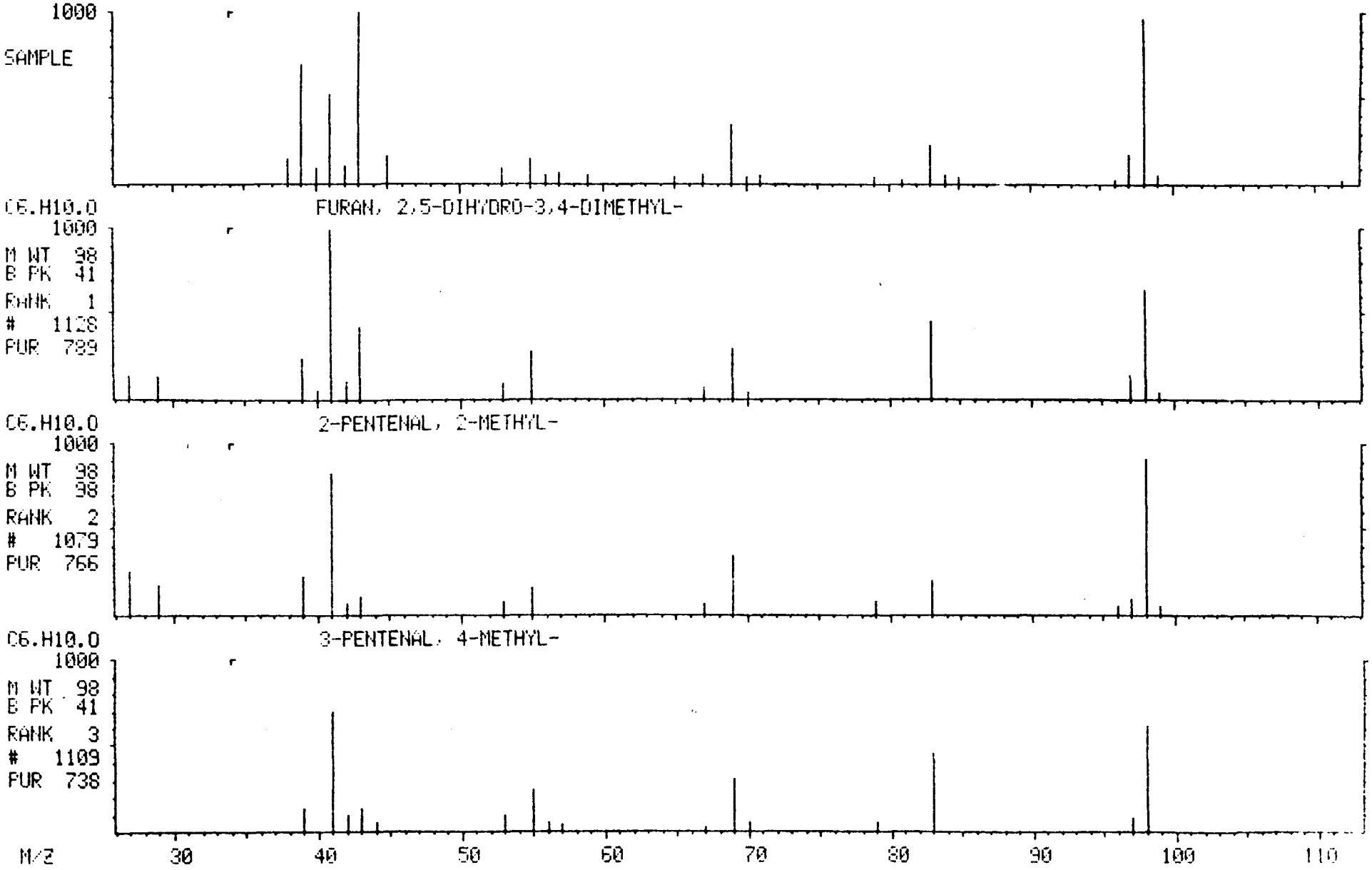
BASE M/Z: 43
RIC: 9088.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 12:07
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1223
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 8320.



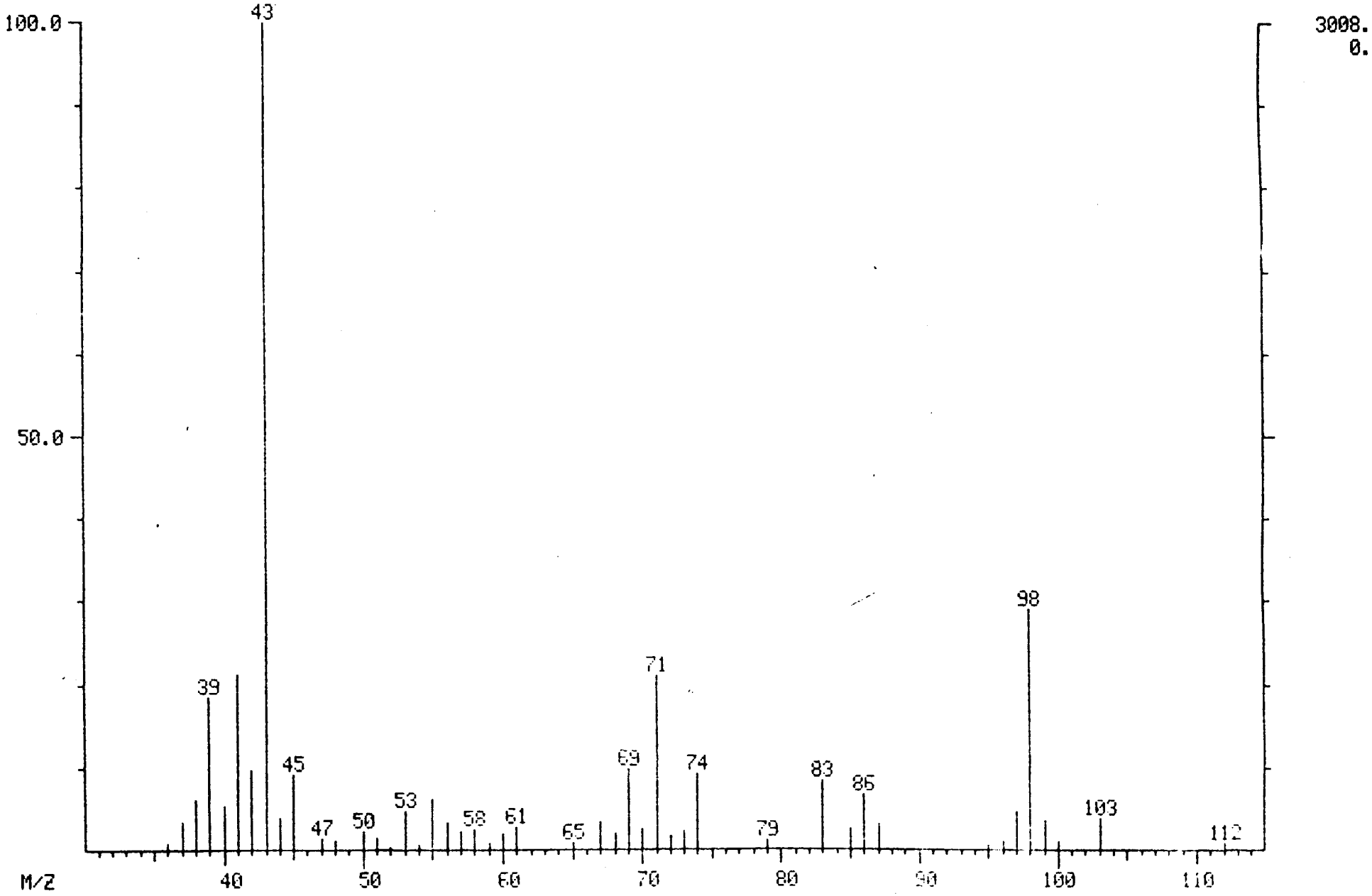
0021C3

MASS SPECTRUM
04/19/91 15:22:00 + 12:26
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 125 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1255
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 9888.

002134

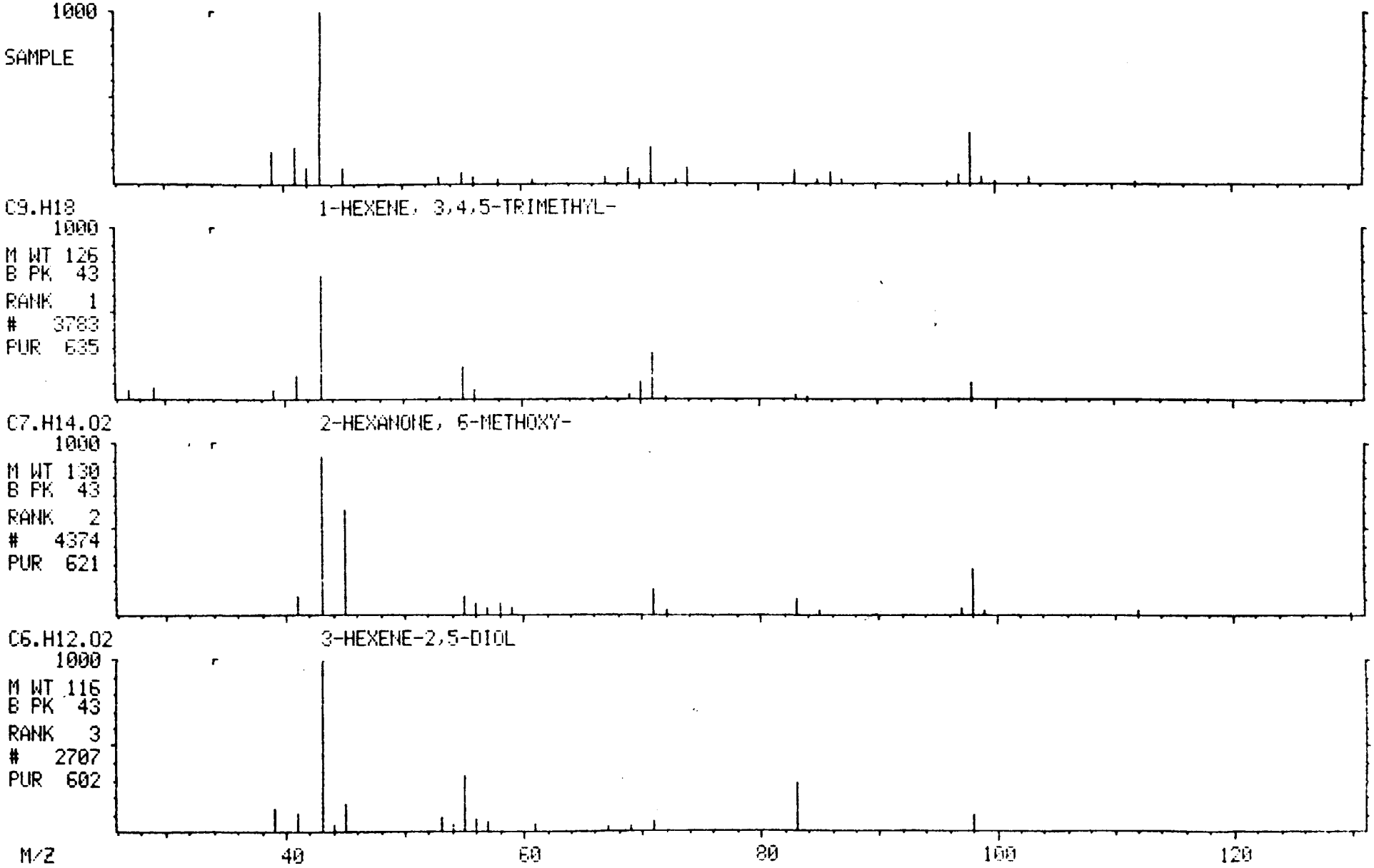


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 12:26
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1255
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 8784.

002135

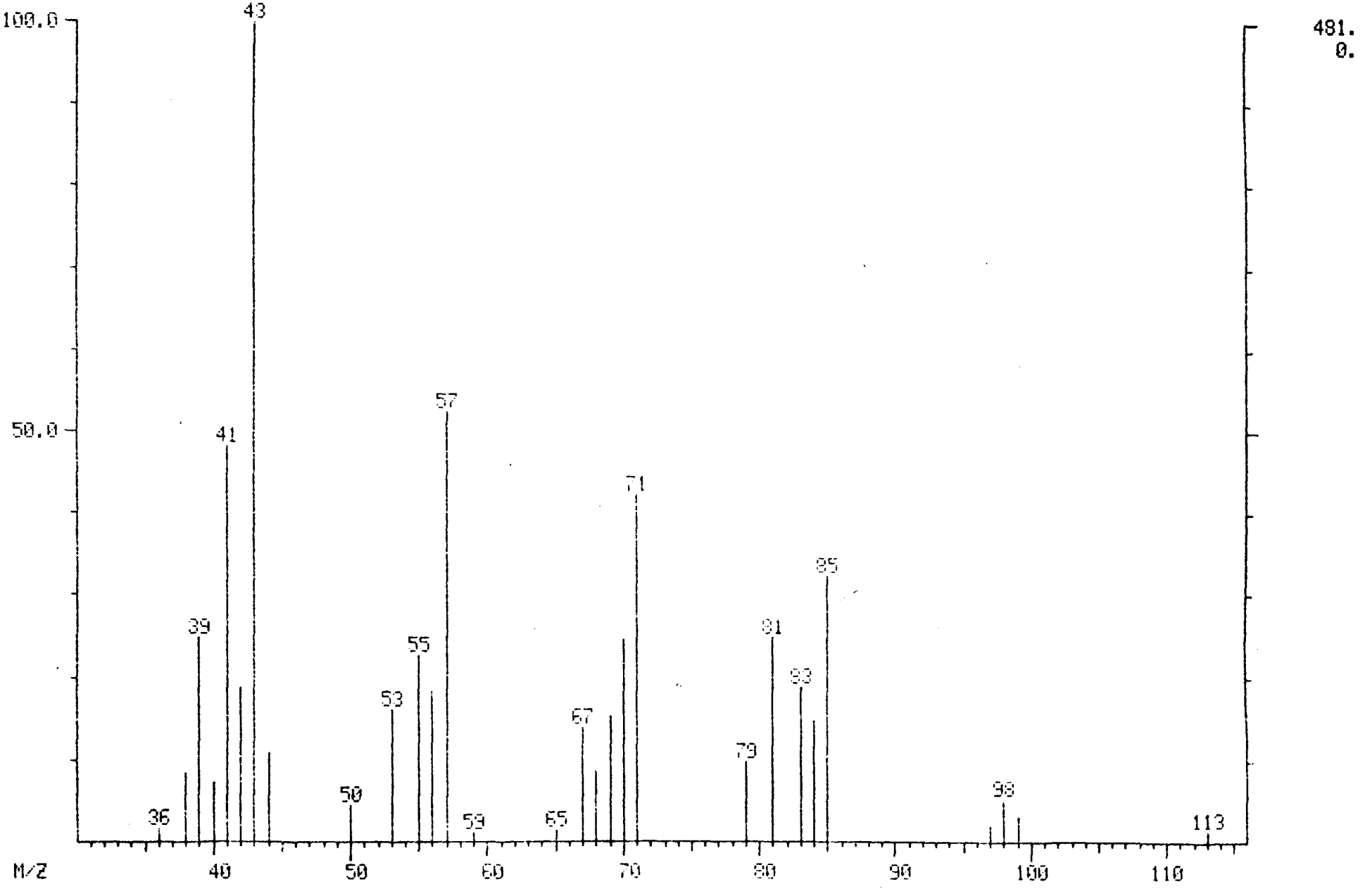


MASS SPECTRUM
04/19/91 15:22:00 + 12:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 127 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1272
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 2672.

00 2130

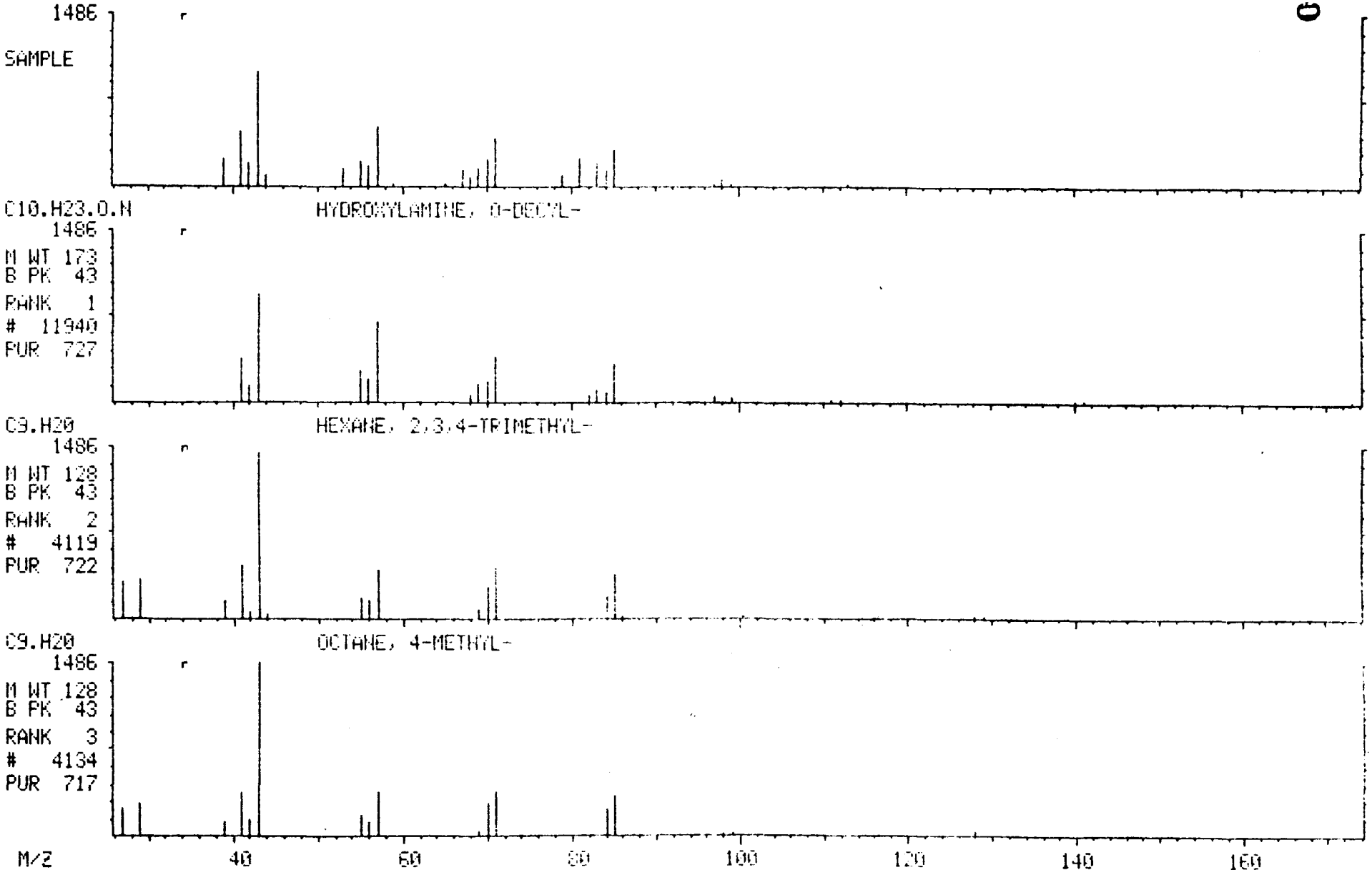


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 12:36
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1272
CALI: APR19GK06 # 3

BASE M/Z: 43
RIC: 2564.

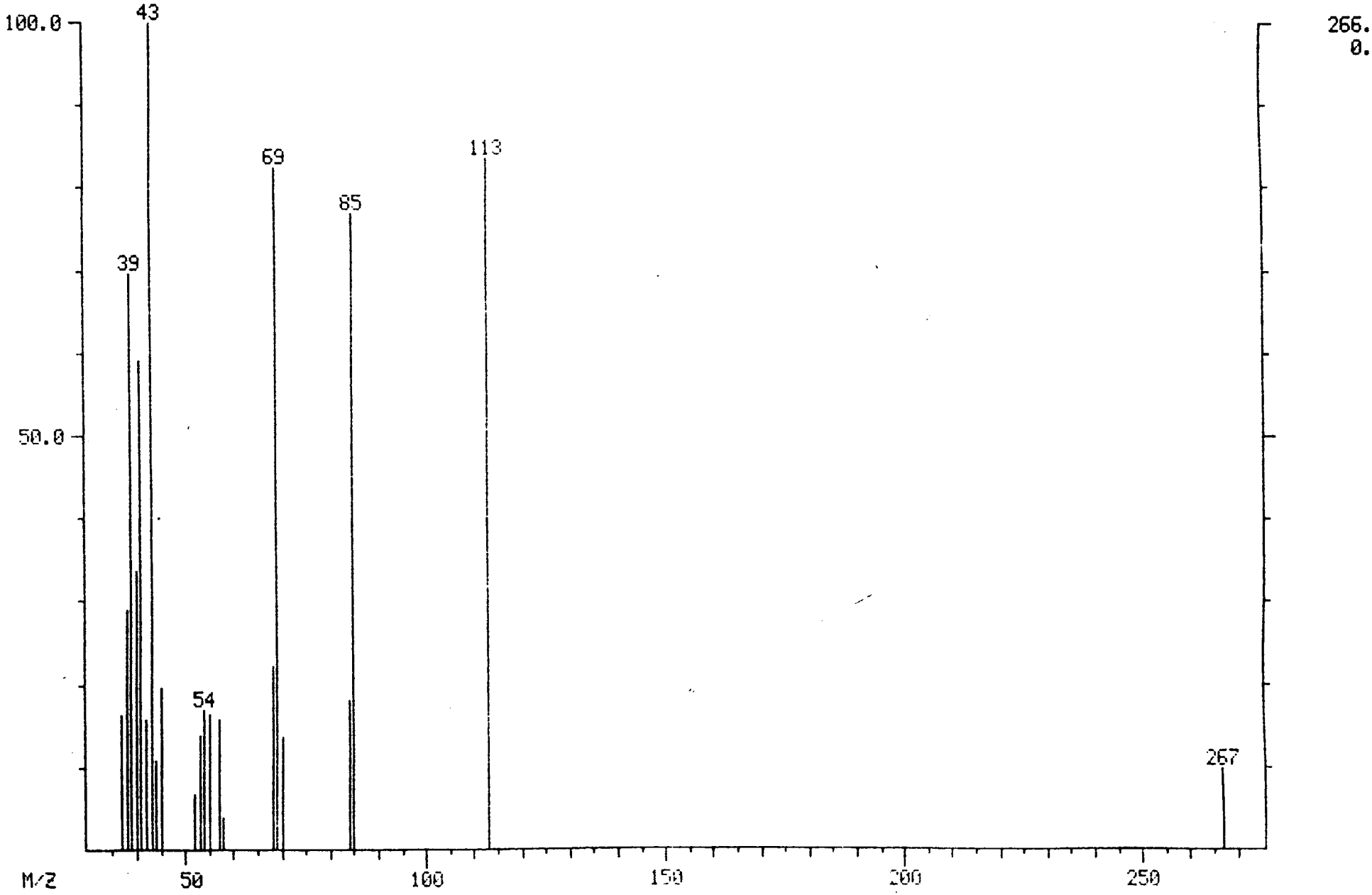
002137



MASS SPECTRUM
04/19/91 15:22:00 + 13:20
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 134 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1345
CALI: APR19GK06 #3

BASE M/Z: 43
RIC: 1958.

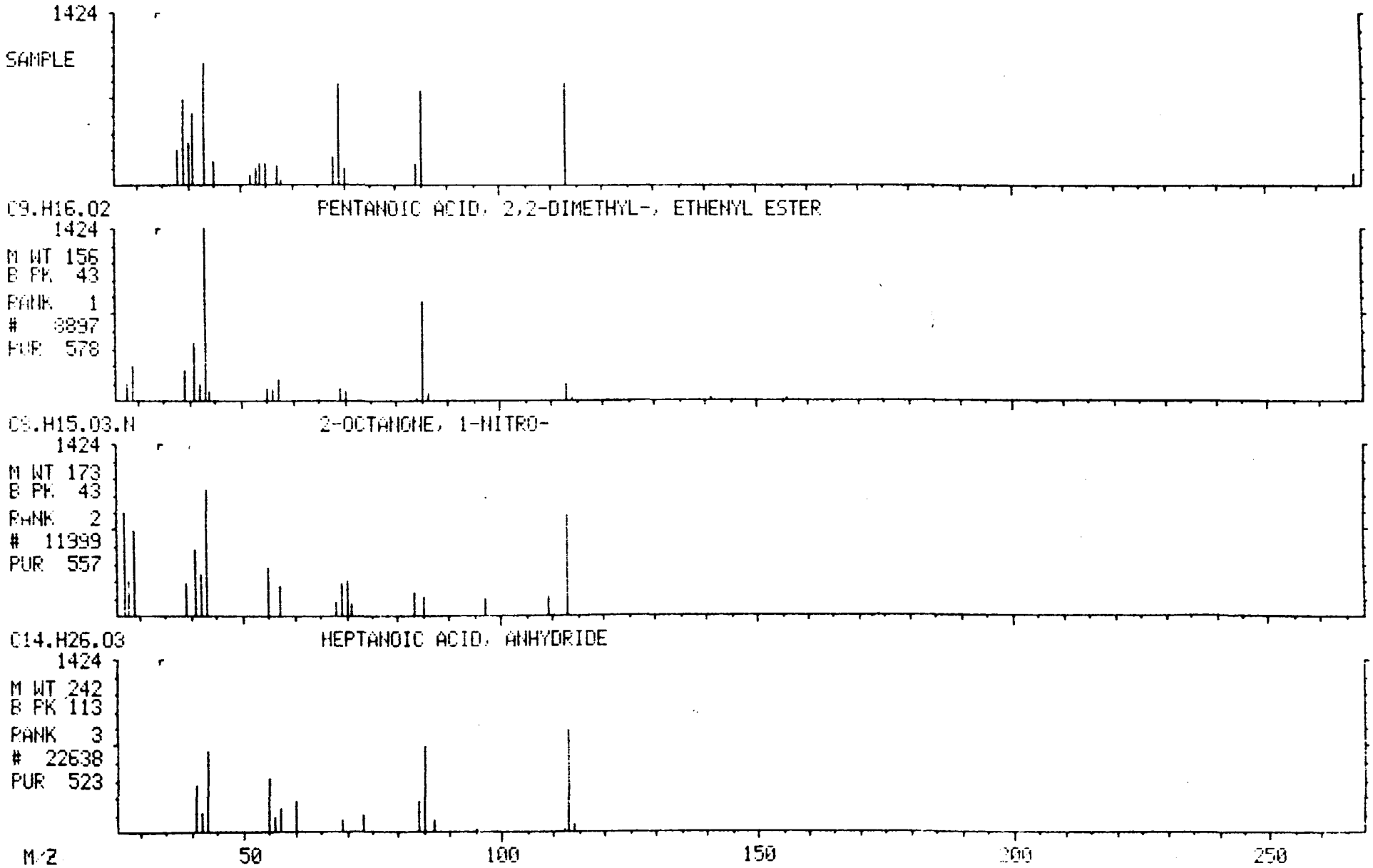


001238

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 15:22:00 + 13:20
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #1345
CALI: APR19GK06 # 3

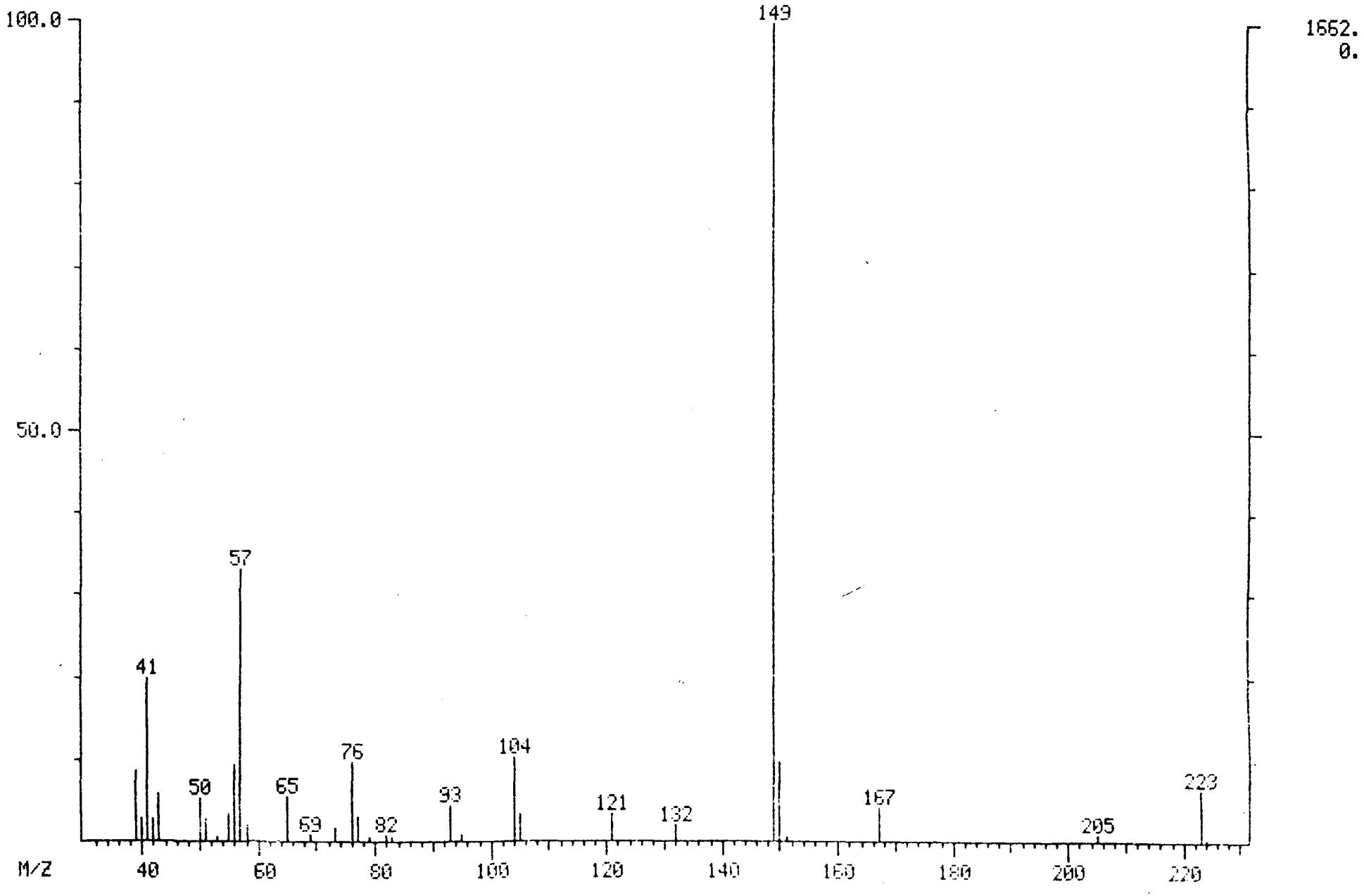
BASE M/Z: 43
RIC: 1842.



MASS SPECTRUM
04/19/91 15:22:00 + 23:59
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2419
CALI: APR19GK06 #3

BASE M/Z: 149
RIC: 4416.

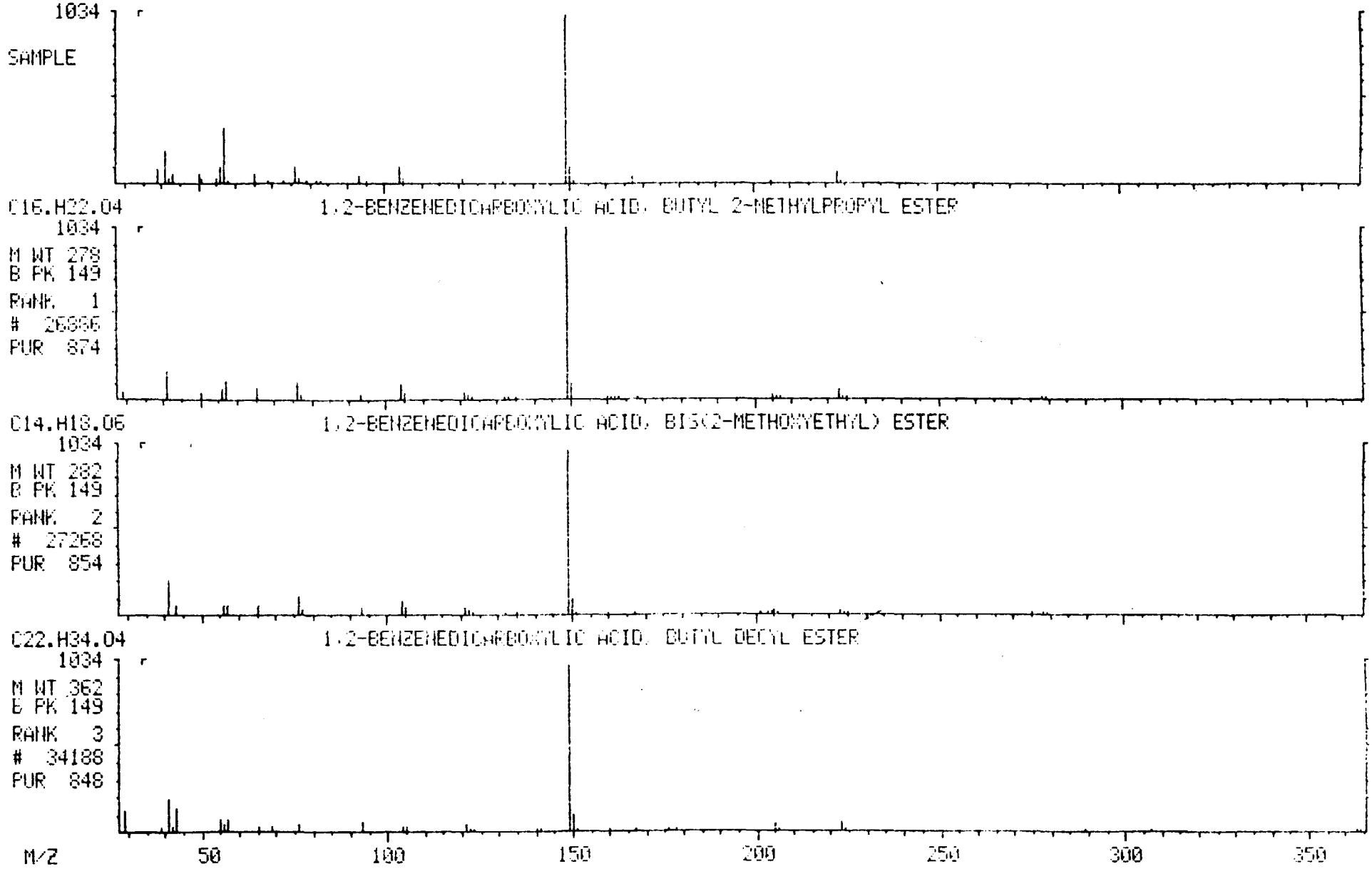


MID LIBRARY SEARCH (LIBPARTHB)
04/19/91 15:22:00 + 23:59
SAMPLE: 90910 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK06 #2419
CALI: APR19GK06 # 3

BASE M/Z: 149
RIC: 4368.

T7200



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	940	U
111-44-4	bis(2-Chloroethyl)Ether	940	U
95-57-8	2-Chlorophenol	940	U
541-73-1	1,3-Dichlorobenzene	940	U
106-46-7	1,4-Dichlorobenzene	940	U
100-51-6	Benzyl Alcohol	940	U
95-50-1	1,2-Dichlorobenzene	940	U
95-48-7	2-Methylphenol	940	U
39638-32-9	bis(2-Chloroisopropyl)Ether	940	U
106-44-5	4-Methylphenol	1100	
621-64-7	N-Nitroso-Di-n-Propylamine	940	U
67-72-1	Hexachloroethane	940	U
98-95-3	Nitrobenzene	940	U
78-59-1	Isophorone	940	U
88-75-5	2-Nitrophenol	940	U
105-67-9	2,4-Dimethylphenol	940	U
65-85-0	Benzoic Acid	4500	U
111-91-1	bis(2-Chloroethoxy)Methane	940	U
120-83-2	2,4-Dichlorophenol	940	U
120-82-1	1,2,4-Trichlorobenzene	940	U
91-20-3	Naphthalene	940	U
106-47-8	4-Chloroaniline	940	U
87-68-3	Hexachlorobutadiene	940	U
59-50-7	4-Chloro-3-Methylphenol	940	U
91-57-6	2-Methylnaphthalene	940	U
77-47-4	Hexachlorocyclopentadiene	940	U
88-06-2	2,4,6-Trichlorophenol	940	U
95-95-4	2,4,5-Trichlorophenol	4500	U
91-58-7	2-Chloronaphthalene	940	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethyl Phthalate	940	U
208-96-8	Acenaphthylene	940	U
606-20-2	2,6-Dinitrotoluene	940	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X113

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4500	U
83-32-9	Acenaphthene	940	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	940	U
121-14-2	2,4-Dinitrotoluene	940	U
84-66-2	Diethylphthalate	940	U
7005-72-3	4-Chlorophenyl-phenylether	940	U
86-73-7	Fluorene	940	U
100-10-6	4-Nitroaniline	4500	U
534-52-1	4,6-Dinitro-2-Methylphenol	4500	U
86-30-6	N-Nitrosodiphenylamine (1)	940	U
101-55-3	4-Bromophenyl-phenylether	940	U
118-74-1	Hexachlorobenzene	940	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	940	U
120-12-7	Anthracene	940	U
84-74-2	Di-n-Butylphthalate	940	U
206-44-0	Fluoranthene	940	U
129-00-0	Pyrene	940	U
85-68-7	Butylbenzylphthalate	940	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)Anthracene	940	U
218-01-9	Chrysene	940	U
117-81-7	bis(2-Ethylhexyl)Phthalate	940	U
117-84-0	Di-n-Octyl Phthalate	940	U
205-99-2	Benzo(b)Fluoranthene	940	U
207-08-9	Benzo(k)Fluoranthene	940	U
50-32-8	Benzo(a)Pyrene	940	U
193-39-5	Indeno(1,2,3-cd)Pyrene	940	U
53-70-3	Dibenz(a,h)Anthracene	940	U
191-24-2	Benzo(g,h,i)Perylene	940	U

(1) - Cannot be separated from Diphenylamine

002143

1F

EPA SAMPLE NO.

X113

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190911

Sample wt/vol: 30.6 (g/mL) G Lab File ID: APR22GK06

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 31 dec. _____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/22/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	2600	BAJ
2.	UNKNOWN	8.57	62	BJ
3.	TETRACHLORO ETHANE	9.79	41	BJ
4.	UNKNOWN	10.17	94	BJ
5.	UNKNOWN	10.55	44	J
6.	UNKNOWN	10.87	56	J
7.	UNKNOWN	11.65	360	BJ
8.	UNKNOWN	12.14	48	BJ
9.	UNKNOWN ALIP. HYDROCARBON	12.64	51	J
10.	UNKNOWN	13.34	44	J
11.	UNKNOWN	21.74	78	J
12.	UNKNOWN PHTHALATE	24.00	140	J
13.	UNKNOWN	24.79	350	J
14.	UNKNOWN	26.04	130	J
15.	UNKNOWN	26.52	93	J
16.	UNKNOWN	27.41	81	J
17.	UNKNOWN ALIP. HYDROCARBON	30.46	91	J
18.	UNKNOWN ALIP. HYDROCARBON	33.72	170	J
19.	UNKNOWN ALIP. HYDROCARBON	38.69	280	J

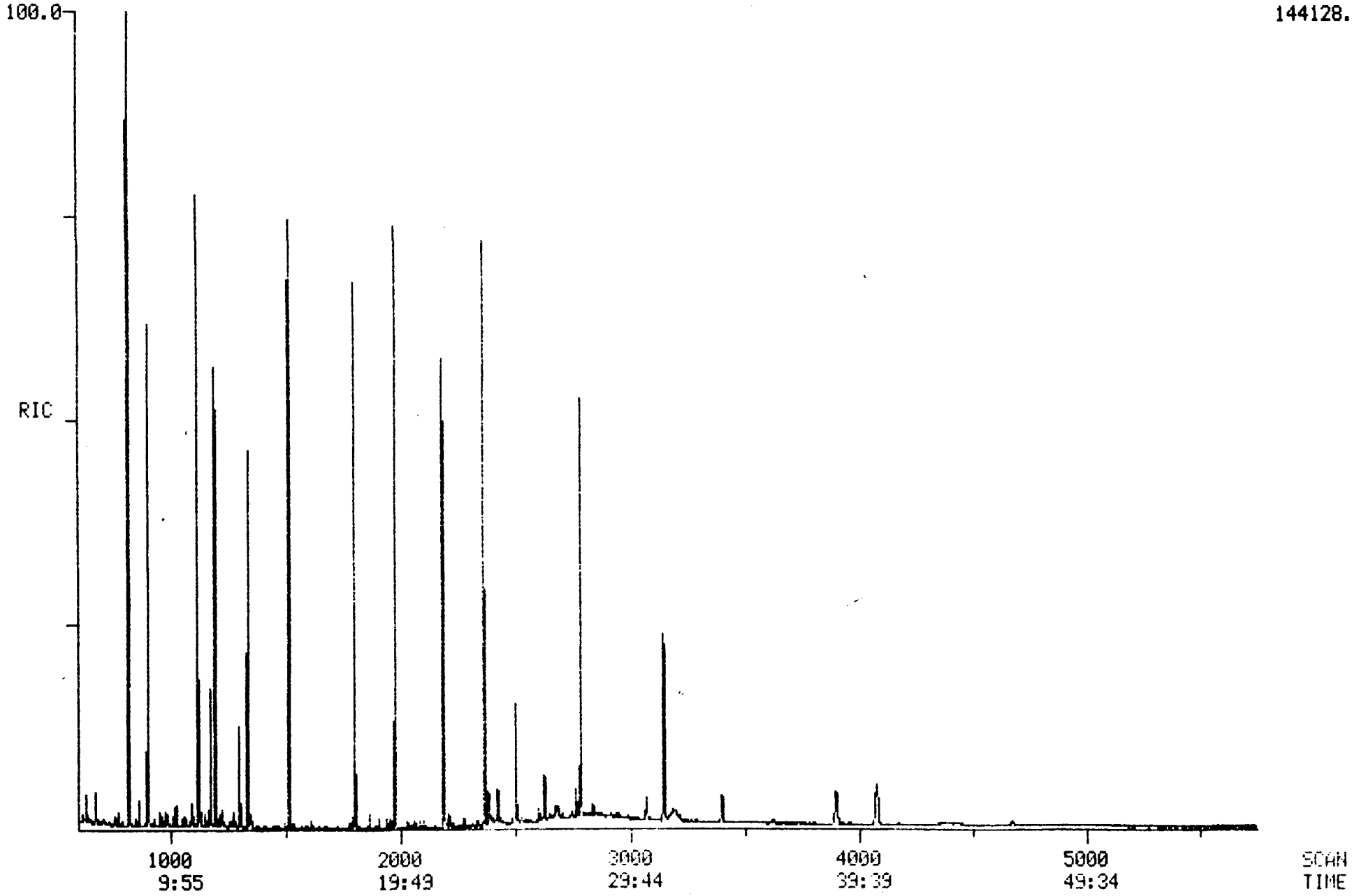
002144

XIIS

RIC
04/22/91 14:23:00
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1.5750 LABEL: N 0, 4.0 QUAN: H 0, 1.0 J 0 BASE: U 20, 3

DATA: APR22GK06 #1 SCANS 600 TO 5750
CALI: APR22GK06 #3

002475



```
4/22/91     14:23:14
    Acquisition started


4/22/91     14:23:17
Acquire                          Run 3:APR22GK06          Starting
04/22/91 14:23:00 + 0:00         Free sectors: 14128      Scan: 0 of 5750
Sample: 90911 GPC CLP    1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SB                 Analyst: GK              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5       VIAL:  1
                    *** GC not ready and being equilibrated ***
GC Desc.: BN                                   Elapsed time :    0.0 Min
Seq   Temp     Rate      Time (minutes)
 #    (DegC)   (C/min)   period     total      Injector A    :  260 Deg C
 1    40- 40     -        4.0       4.0       GC oven       :  100 Deg C
 2    40-280    10.0     34.0      28.0       Transfer-line:  271 Deg C
 3   280-280     -       32.0      60.0       Ion source    :  181 Deg C
Valve A : closed      Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window #  1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan description: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  1.594  s                           Master rate:     16

MFW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass   Hi mass      Time
   1      34.510   450.635     1.000

Sequence Window #  2
                    Number of cycles:      1
                    Filament is ON
                    Multiplier is ON
Scan description: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                           Master rate:     16

MFW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #   Lo mass   Hi mass      Time
   1      34.510   450.635     1.000

    Calibration table:        1:CALTAB

    Interface number            0
    Instrument type             Q
    Full scale mass          1159  u
    Zero scale mass             1  u
    Intensity/ion               2
    Peak width               1000.  mmu
    Offset at low mass          0  mmu
```

002166

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.50	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 972.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.015 Torr
Separator/Source Pressure .....: 7.800 Torr

4/22/91 15:36:53
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec	
Centroid	5750	6.6	3419.7	0.2	95712.	17.	28.

002147

Quantitation Report File: APR22GK06

Data: APR22GK06.TI
04/22/91 14:23:00
Sample.. 90911 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	0130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	0215 PHENOL
3	0225 BIS(2-CHLOROETHYL)ETHER
4	0230 2-CHLOROPHENOL
5	0335 1,3-DICHLOROBENZENE
6	0340 1,4-DICHLOROBENZENE
7	0350 1,2-DICHLOROBENZENE
8	0345 BENZYL ALCOHOL
9	0355 2-METHYLPHENOL
10	0360 BIS(2-CHLOROISOPROPYL) ETHER
11	0365 4-METHYLPHENOL
12	0371 N-NITROSO-DI-N-PROPYLAMINE
13	0375 HEXACHLOROETHANE
14	0380 2-FLUOROPHENOL (SURROGATE)
15	0385 D6-PHENOL (SURROGATE)
16	0141 D8-NAPHTHALENE (INTERNAL)
17	0410 NITROBENZENE
18	0415 ISOPHORONE
19	0420 2-NITROPHENOL
20	0425 2,4-DIMETHYLPHENOL
21	0430 BENZOIC ACID
22	0435 BIS(2-CHLOROETHOXY) METHANE
23	0440 2,4-DICHLOROPHENOL
24	0445 1,2,4-TRICHLOROBENZENE
25	0451 NAPHTHALENE
26	0455 4-CHLOROANILINE
27	0460 HEXACHLOROBUTADIENE
28	0465 4-CHLORO-3-METHYLPHENOL
29	0470 2-METHYLNAPHTHALENE
30	0320 D5-NITROBENZENE (SURROGATE)
31	0150 D10-ACENAPHTHENE (INTERNAL)
32	0510 HEXACHLOROCYCLOPENTADIENE
33	0515 2,4,6-TRICHLOROPHENOL
34	0520 2,4,5-TRICHLOROPHENOL
35	0525 2-CHLORONAPHTHALENE
36	0530 2-NITROANILINE
37	0535 DIMETHYLPHTHALATE
38	0540 ACENAPHTHYLENE
39	0545 3-NITROANILINE
40	0550 ACENAPHTHENE
41	0555 2,4-DINITROPHENOL
42	0560 4-NITROPHENOL
43	0565 DIBENZOFURAN
44	0543 2,6-DINITROTOLUENE
45	0570 2,4-DINITROTOLUENE
46	0580 DIETHYLPHTHALATE
47	0585 4-CHLOROPHENYL PHENYL ETHER

002148

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C525 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1196	11:51	1	1.000	A BB	57114.	40.000 UG/L	4.89
2	94	1124	11:08	1	0.940	A BB	278.	0.219 UG/L	0.03
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	108	1267	12:34	1	1.059	A BB	112.	0.116 UG/L	0.01
10	45	1271	12:36	1	1.063	A BB	74.	0.048 UG/L	0.01
11	108	1301	12:54	1	1.088	A BB	11092.	11.165 UG/L	1.36
12	NOT FOUND								
13	NOT FOUND								
14	112	905	8:58	1	0.757	A BB	67926.	84.341 %	10.31
15	99	1121	11:07	1	0.937	A BB	94407.	105.610 %	12.91
16	136	1516	15:02	16	1.000	A BB	151030.	40.000 UG/L	4.89
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	122	1467	14:32	16	0.968	A BB	102.	0.173 UG/L	0.02
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	128	1521	15:05	16	1.003	A BB	406.	0.118 UG/L	0.01
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	142	1679	16:50	16	1.121	A BB	294.	0.129 UG/L	0.02
30	82	1337	13:15	16	0.882	A BV	60416.	83.008 %	10.15
31	162	1976	19:35	31	1.000	A BB	77936.	40.000 UG/L	4.89
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
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	168	2026	20:05	31	1.025	A BB	224.	0.073 UG/L	0.01
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	166	2116	20:58	31	1.071	A BB	50.	0.022 UG/L	0.00
49	NOT FOUND								
50	172	1798	17:49	31	0.910	A BB	99554.	102.593 %	12.54

Quantitation Report File: APR22GK06

Data: APR22GK06.TI
04/22/91 14:23:00
Sample: 90911 GPC CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	C160 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C521 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	C170 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	C530 D14-TERPHENYL (SURROGATE)
71	C175 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2184	21.39	31	1.105	A BB	20592.	100.099	%	12.23
52	188	2363	23.25	52	1.000	A BV	131876.	40.000	UG/L	4.89
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
57	178	2369	23.29	52	1.003	A BB	1420.	0.435	UG/L	0.05
58	178	2381	23.36	52	1.008	A BB	200.	0.060	UG/L	0.01
59	149	2523	25.00	52	1.068	A BB	946.	0.235	UG/L	0.03
60	202	2687	26.38	52	1.137	A BB	1508.	0.487	UG/L	0.06
61	NOT FOUND									
62	202	2747	27.14	52	1.163	A BB	1322.	0.434	UG/L	0.05
63	NOT FOUND									
64	240	3150	31.13	64	1.000	A BB	61136.	40.000	UG/L	4.89
65	149	2934	29.05	64	0.931	A BB	160.	0.131	UG/L	0.02

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	NOT	FOUND								
67	228	3141	31:08	64	0.997	A BB	106.	0.064	UG/L	0.01
68	149	3169	31:25	64	1.006	A BB	822.	0.671	UG/L	0.08
69	228	3160	31:19	64	1.003	A BB	338.	0.221	UG/L	0.03
70	244	2786	27:37	64	0.884	A BB	86088.	87.836	%	10.74
71	264	4077	40:25	71	1.000	A BB	27941.	40.000	UG/L	4.89
72	NOT	FOUND								
73	NOT	FOUND								
74	NOT	FOUND								
75	NOT	FOUND								
76	NOT	FOUND								
77	NOT	FOUND								
78	NOT	FOUND								

Quantitation Report File: APR22GK06A

Data: APR22GK06.TI
04/22/91 14:23:00
Sample: 90911 GPC CLP 1UL-1.0ML
Conds: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.018
Resp fac. from Library Entry

$\frac{577004}{407329} \times 40 \times \frac{1}{30.64} \times \frac{1}{100} = 0.018$

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	557-40-4	1-PROPENE, 3,3'-OXYBIS-
3	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
4	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
5	[illegible]-11-5	2H-PYRAN, 3,4-DIHYDRO-6-METHYL-
6	[illegible]-85-8	2-PENTENE, 5-(PENTYLOXY)-, (E)-
7	[illegible]-86-4	2-BUTANOL, 3-METHYL-, ACETATE
8	[illegible]-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
9	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
10	[illegible]-05-0	PENTANOIC ACID, 2,2-DIMETHYL-, ETHENYL ESTER
11	592-62-1	METHANOL, (METHYL-ONN-AZOXY)-, ACETATE (ESTER)
12	[illegible]-34-8	1-CYCLOPROPANENONANOIC ACID, 2-[(2-BUTYLCYCLOPROPYL)METH
13	[illegible]-10-3	HEXADECANOIC ACID
14	[illegible]-25-3	ETHANOL, 2-(9-OCTADECENYLOXY)-, (Z)-
15	[illegible]-34-9	11-DODECEN-1-OL, 2,4,6-TRIMETHYL-, (R,R,R)-
16	[illegible]	OCTADECANAL
17	[illegible]-18-4	OCTACOSANE
18	[illegible]-6-4	ANDROST-5-ENE-3,19-DIOL, 3-ACETATE, (3.BETA.)-
19	[illegible]-11-7	IRON, TRICARBONYL[N-(PHENYL-2-PYRIDINYLMETHYLENE)BENZE
20	[illegible]	HEPTADECANE, 2,6-DIMETHYL-

No	Type	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	[illegible]	[illegible]	9.00	1	1.000	A BB	577004. ~~Ethy~~ OL	1.800 B4	53.53
2	[illegible]	[illegible]	9.04	1	1.052	A BB	13686. UNK	0.043 B	1.27
3	[illegible]	[illegible]	9.47	1	1.202	A BB	9059. Below	0.028 B	0.84
4	RIC	[illegible]	10.10	1	1.250	A BB	20916. UNK	0.065 B	1.94
5	RIC	[illegible]	10.33	1	1.297	A BB	9591. UNK	0.030	0.89
6	RIC	[illegible]	10.52	1	1.336	A VV	12555. UNK	0.039	1.16
7	RIC	1176	11.39	1	1.432	A BB	79155. UNK	0.247 B	7.34
8	RIC	1224	12.08	1	1.491	A VV	10426. UNK	0.033 B	0.97
9	RIC	1274	12.38	1	1.552	A BB	11104. HC	0.035	1.03
10	RIC	1346	13.20	1	1.639	A VV	9540. UNK	0.030	0.89
11	RIC	2192	21.44	1	2.670	A VB	17168. UNK	0.054	1.59
12	RIC	2422	24.00	1	2.950	A BB	30516. Nitro Phth	0.095	2.83
13	RIC	2501	24.47	1	3.046	A BB	76596. UNK	0.239	7.11
14	RIC	2627	26.02	1	3.200	A VB	29069. UNK	0.091	2.70
15	RIC	2676	26.31	1	3.259	A BV	20586. UNK	0.064	1.91
16	RIC	2765	27.24	1	3.368	A BB	17872. UNK	0.056	1.66
17	RIC	3072	30.27	1	3.742	A BB	20082. HC	0.063	1.86
18	RIC	~~[illegible]~~	31.37	1	3.886	A BB	~~13152.~~	0.041	1.22
19	RIC	3402	33.43	1	4.144	A BB	38062. HC	0.119	3.53
20	RIC	3902	38.41	1	4.753	A BB	61746. HC	0.193	5.73

Tetrachloro Ethane #3

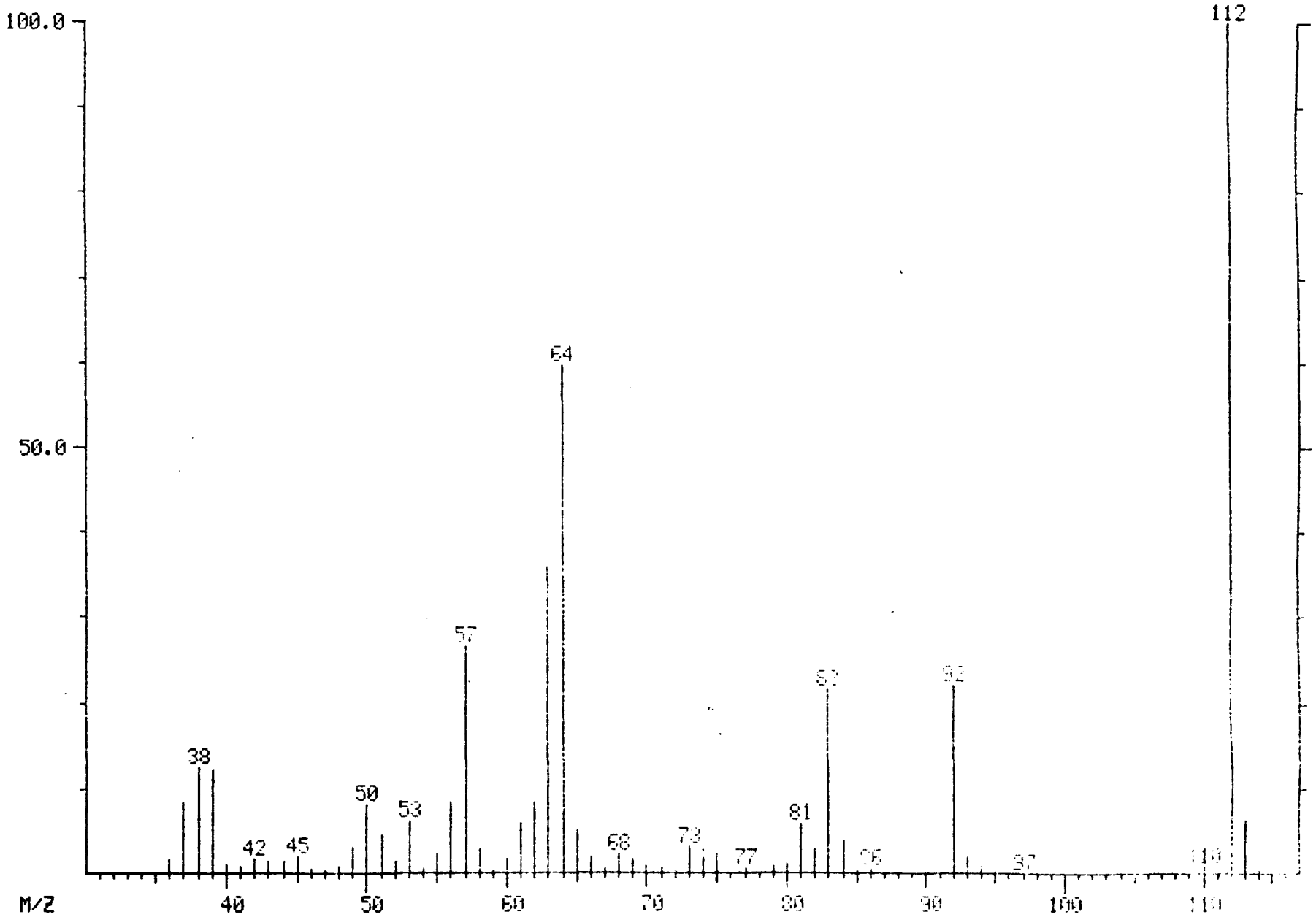
002152

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 14:23:00 + 8:58
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 90 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #905
CALI: APR22GK06 #3

BASE M/Z: 112
RIC: 81792.

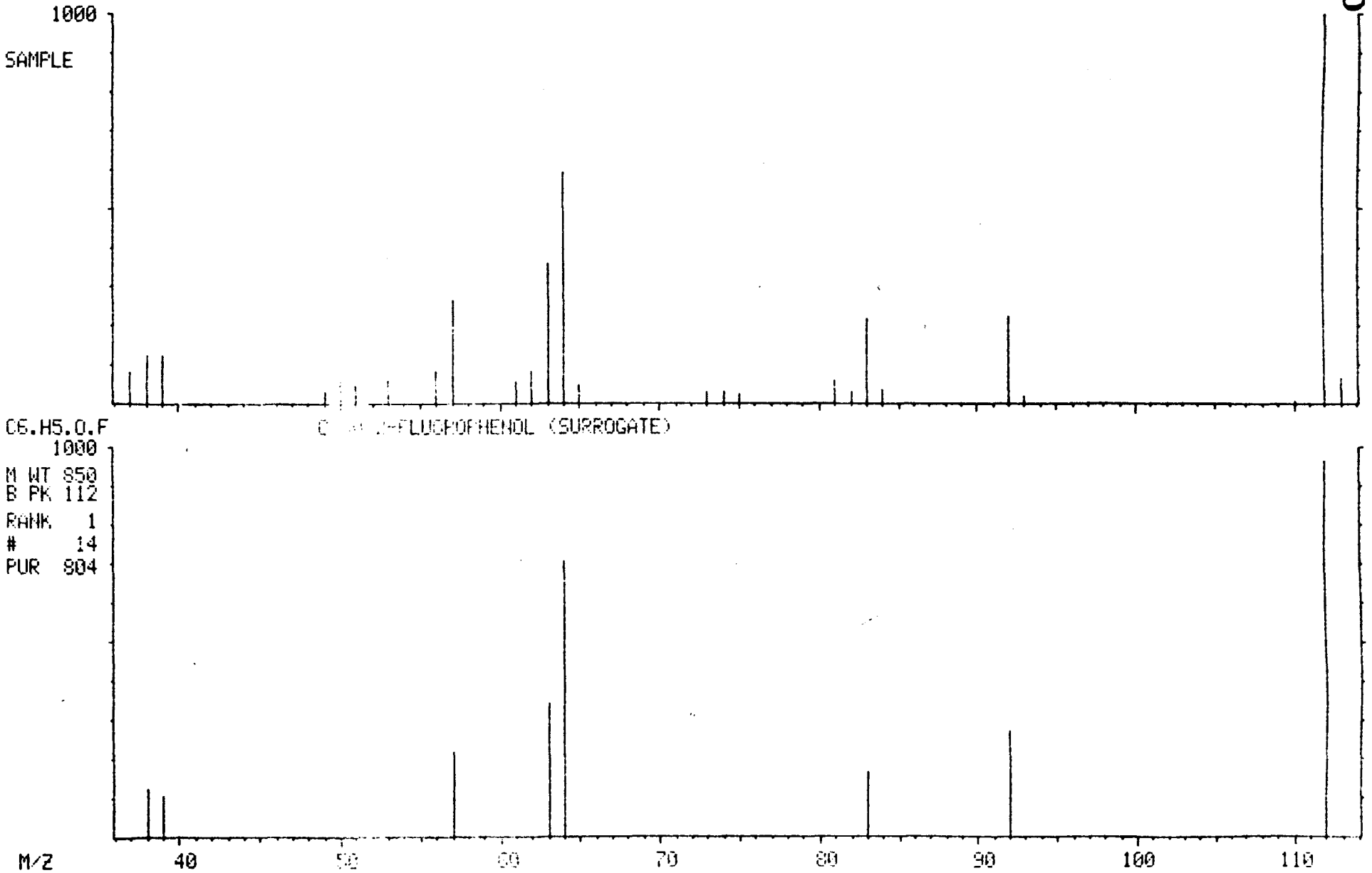


002154

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 8:58
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 # 905
CALI: APR22GK06 # 3

BASE M/Z: 112
RIC: 75136.



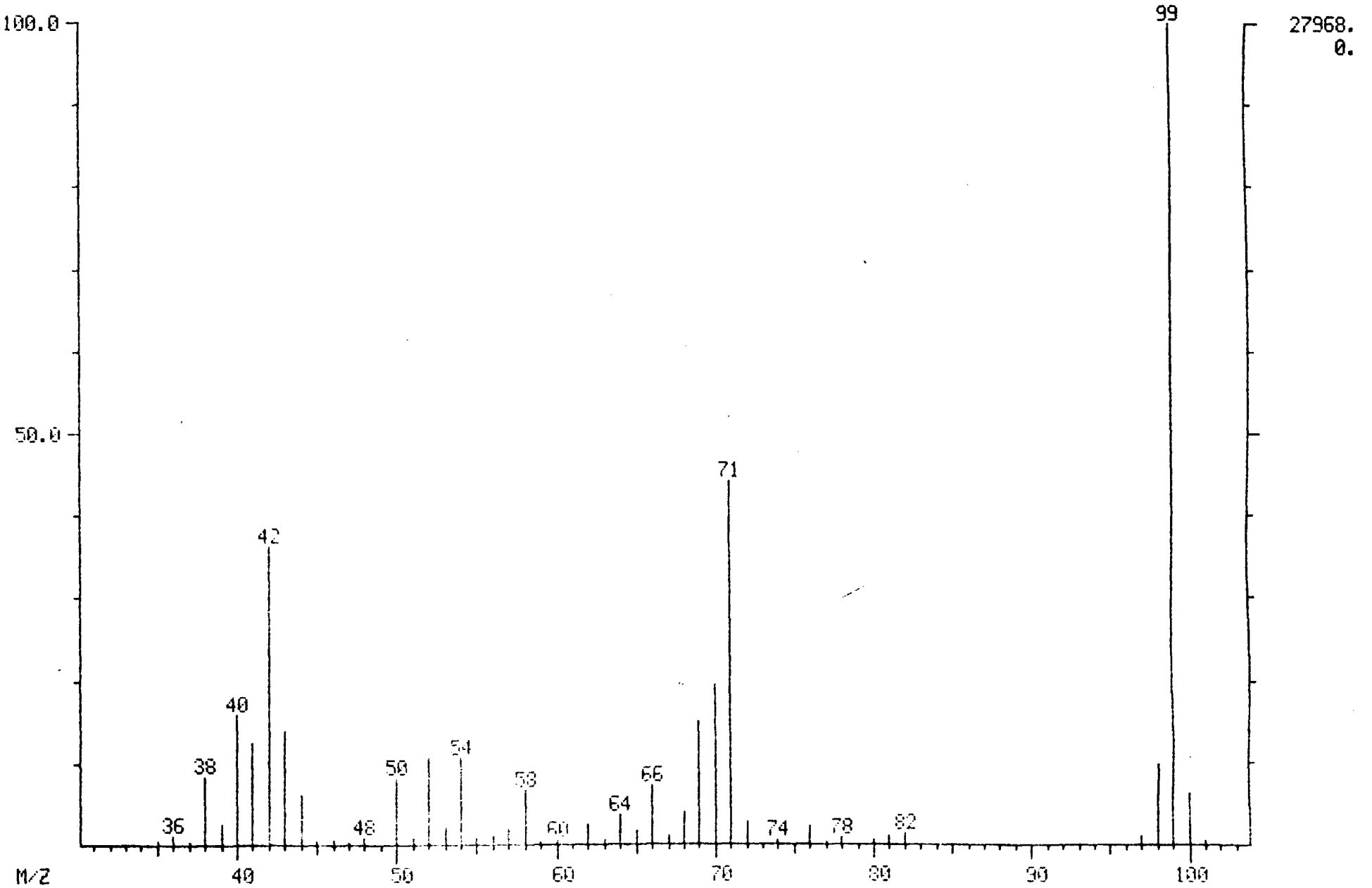
00215200

MASS SPECTRUM
04/22/91 14:22:00 + 11:00
SAMPLE: 90911 GPC FIP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (5 150 2N 0T)

DATA: APR22GK06 #1121
CALI: APR22GK06 #3

BASE M/Z: 99
RIC: 103424.

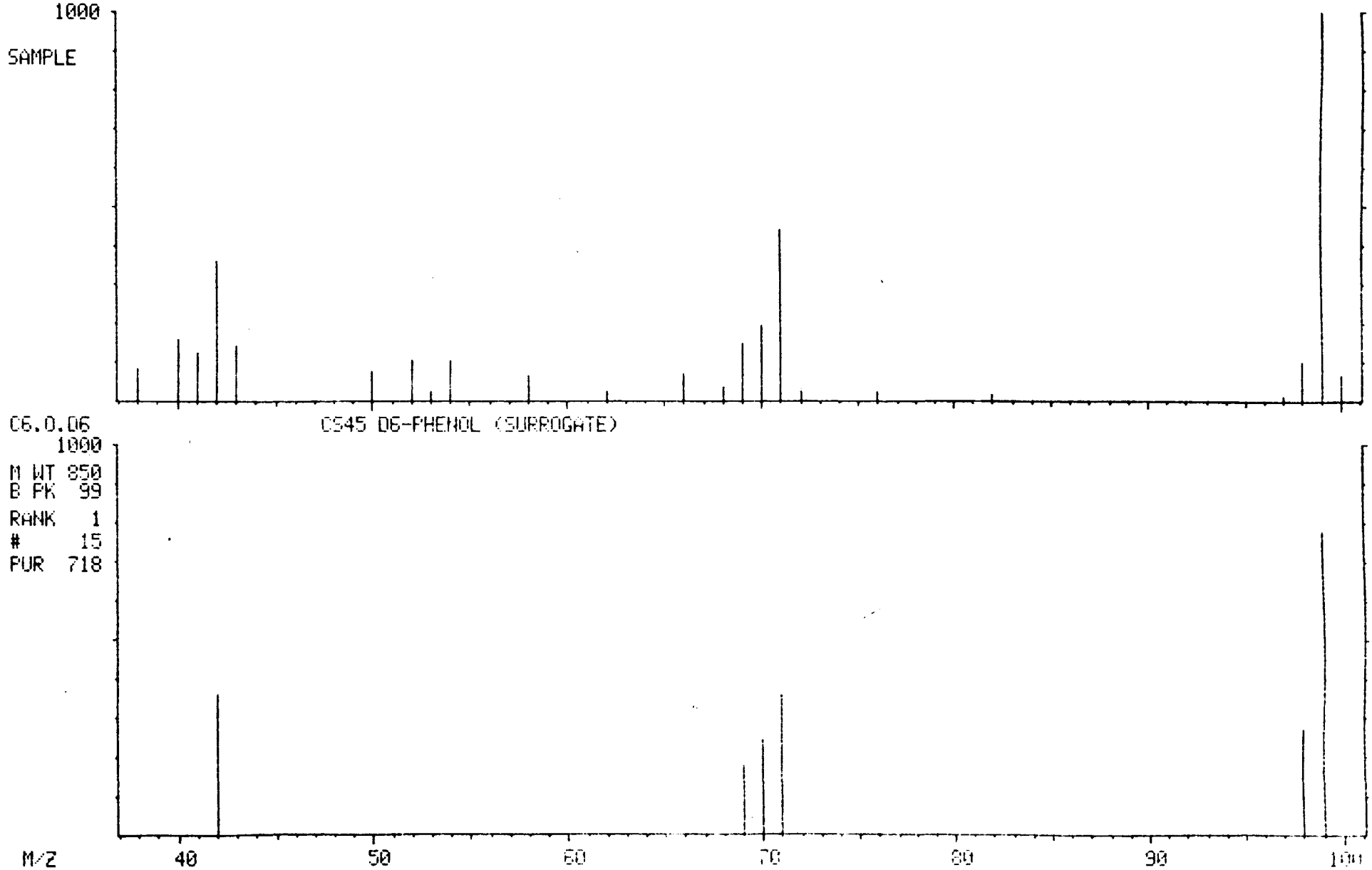
002156



MID LIBRARY SEARCH (LIBRARY3W)
04/22/91 14:23:00 + 11:07
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1121
CALI: APR22GK06 # 3

BASE M/Z: 99
RIC: 95104.

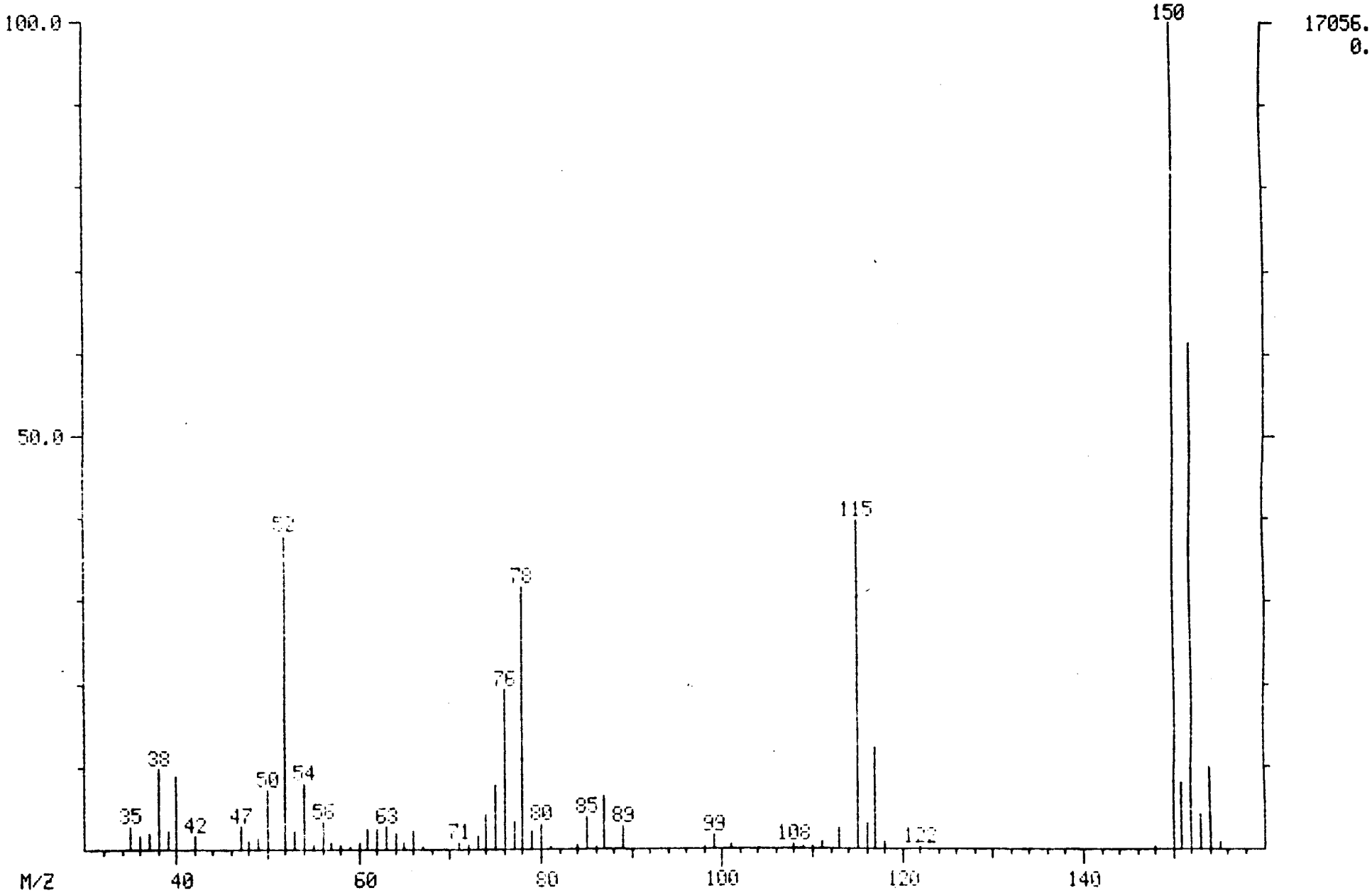


151200

MASS SPECTRUM
04/22/91 14:23:00 + 11:51
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1196
CALI: APR22GK06 #3

BASE M/Z: 150
RIC: 76032.

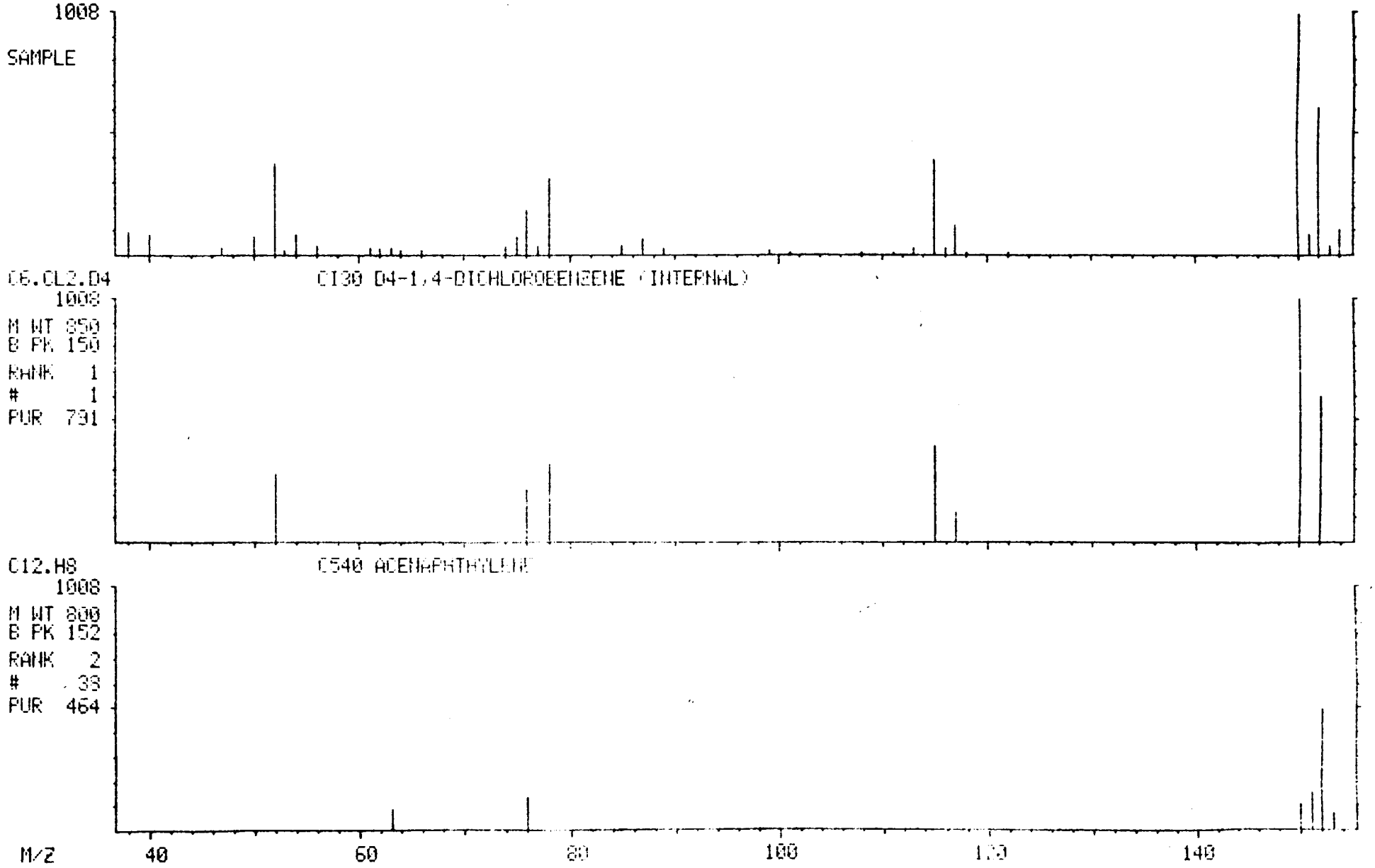


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 11:51
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1196
CALI: APR22GK06 # 3

BASE M/Z: 150
RIC: 71168.

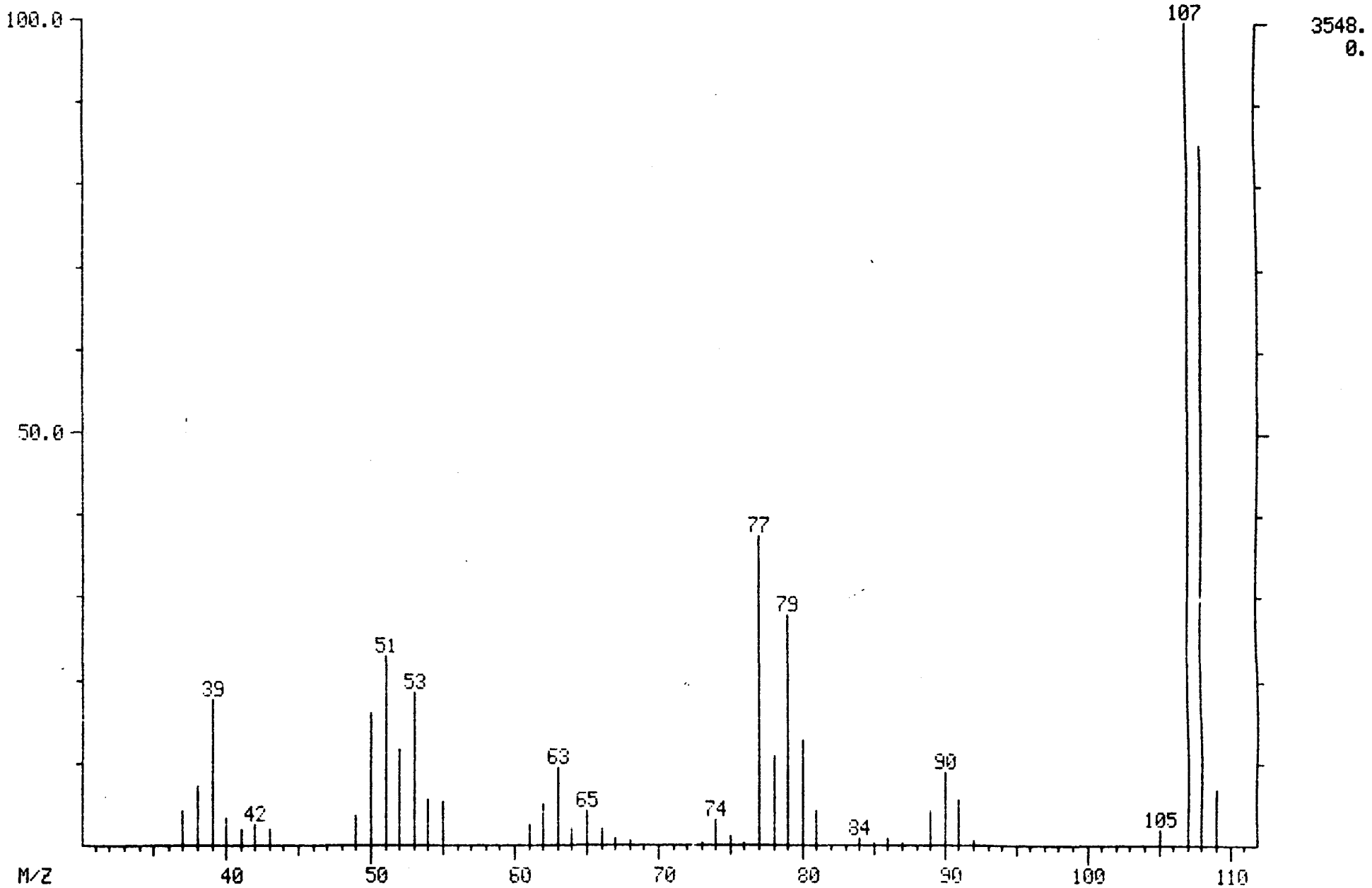
002159



MASS SPECTRUM
04/22/91 14:23:00 + 12:54
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 130 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1301
CALI: APR22GK06 #3

BASE M/Z: 107
RIC: 16384.

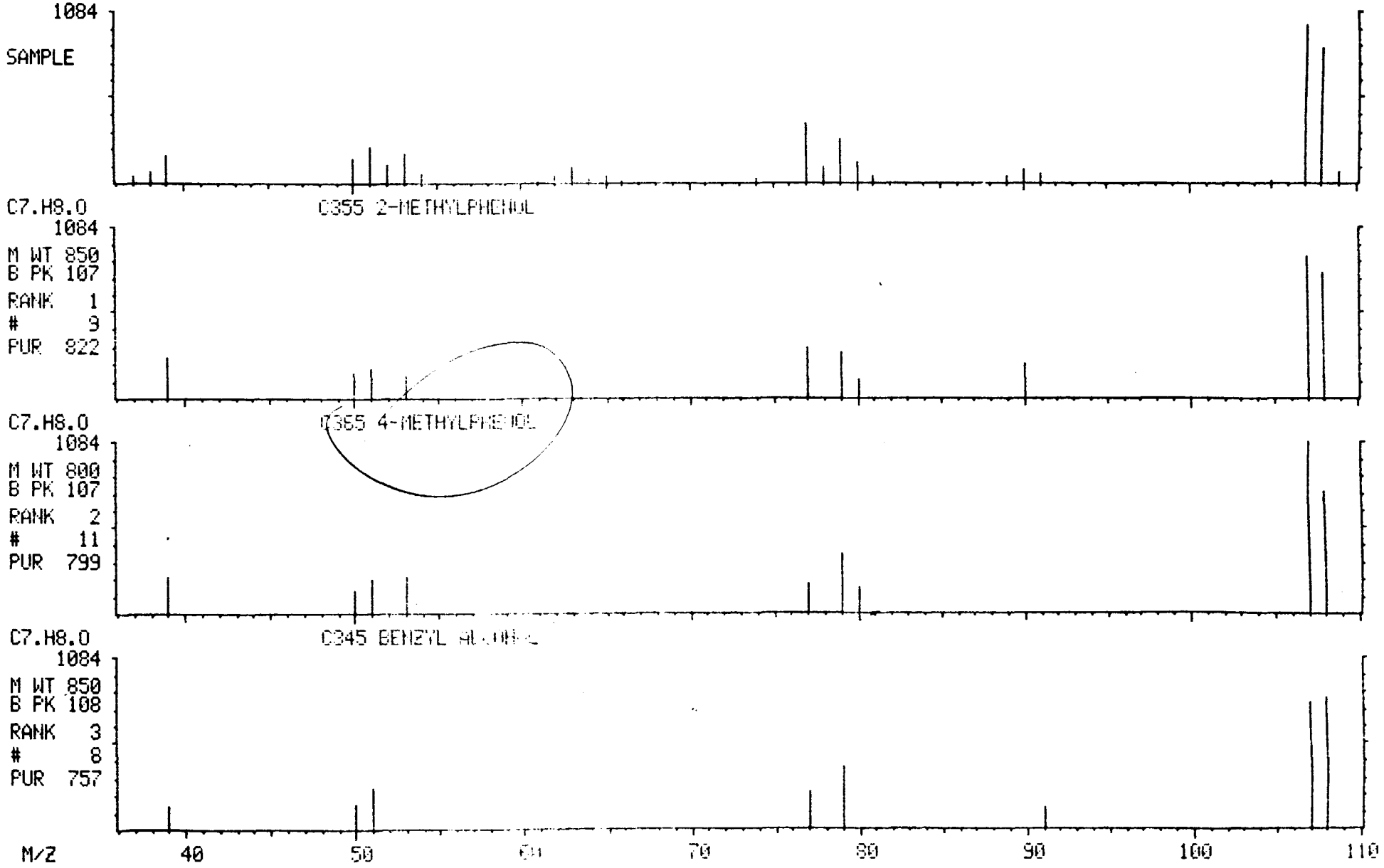


MID LIBRARY SEARCH LIBRARY N
04/22/91 14:23:00 + 12:54
SAMPLE: 90911 GPC CLP 10UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N OT)

DATA: APR22GK06 #1301
CALI: APR22GK06 # 3

BASE M/Z: 107
RIC: 15552.

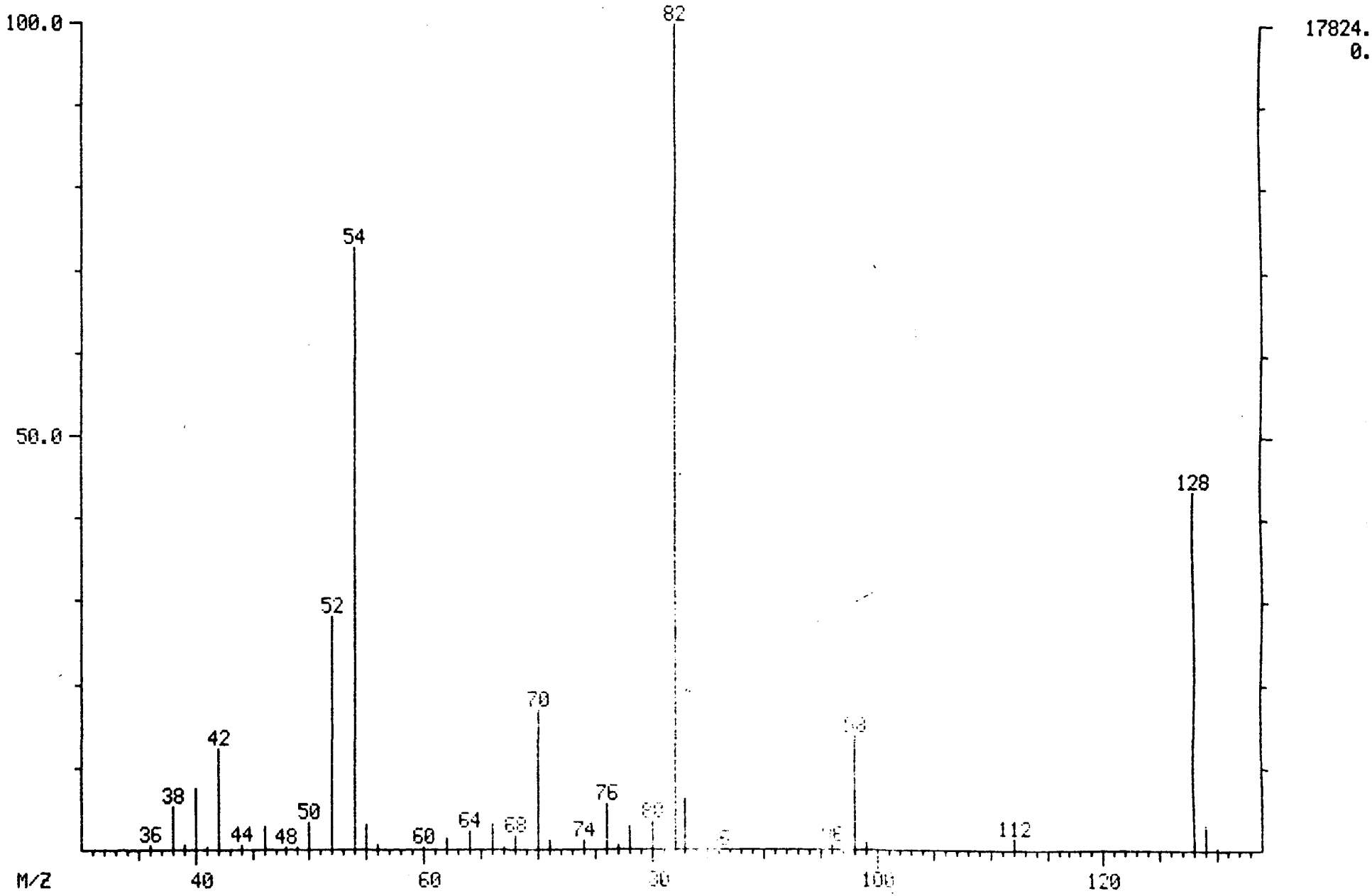
002161



MASS SPECTRUM
04/22/91 14:23:00 + 13:15
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1337
CALI: APR22GK06 #3

BASE M/Z: 82
RIC: 62144.

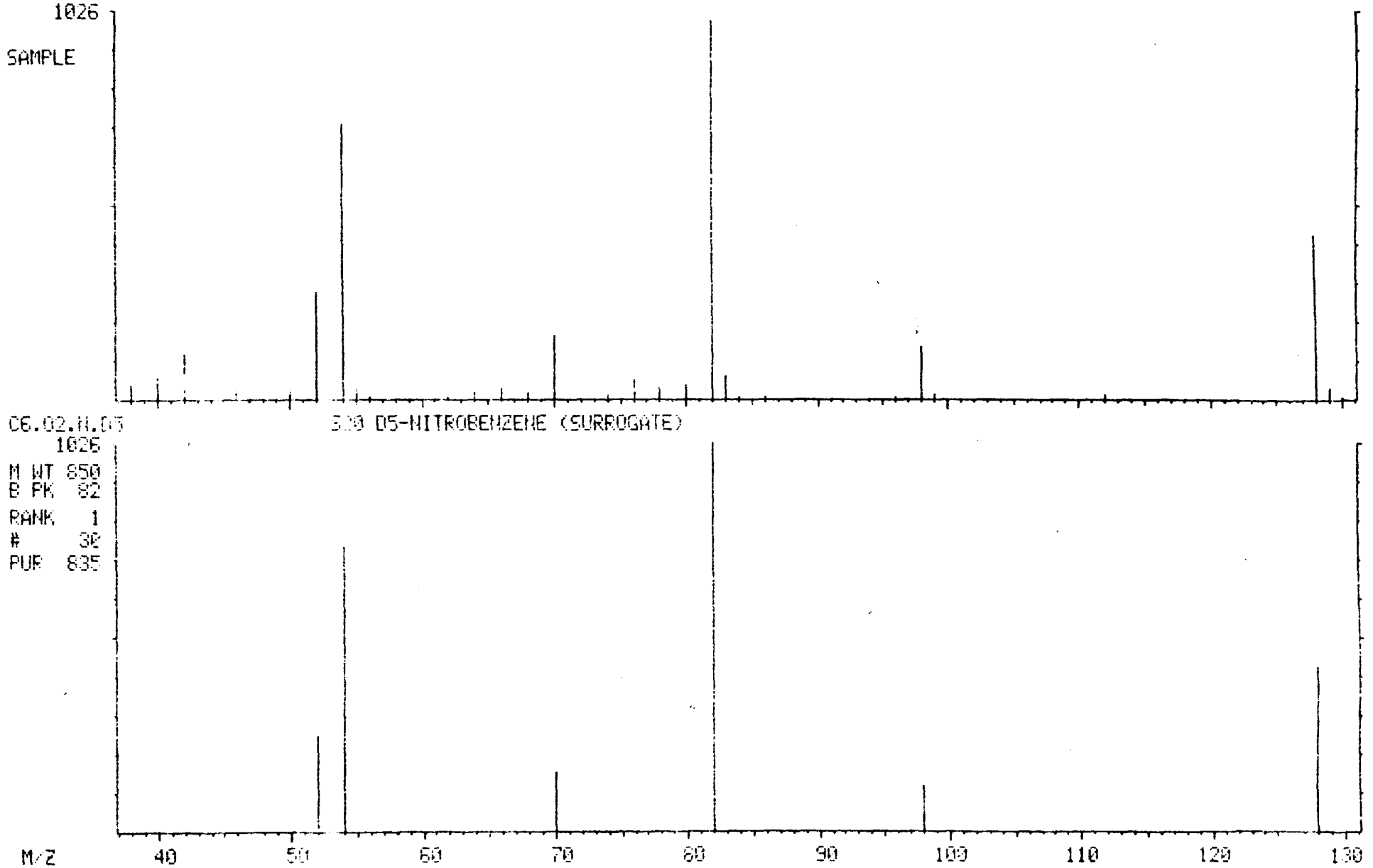


NIO LIBRARY SEARCH (LIBRARY1W)
04/22/91 14:23:00 + 13:15
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1337
CALI: APR22GK06 # 3

BASE M/Z: 82
RIC: 61184.

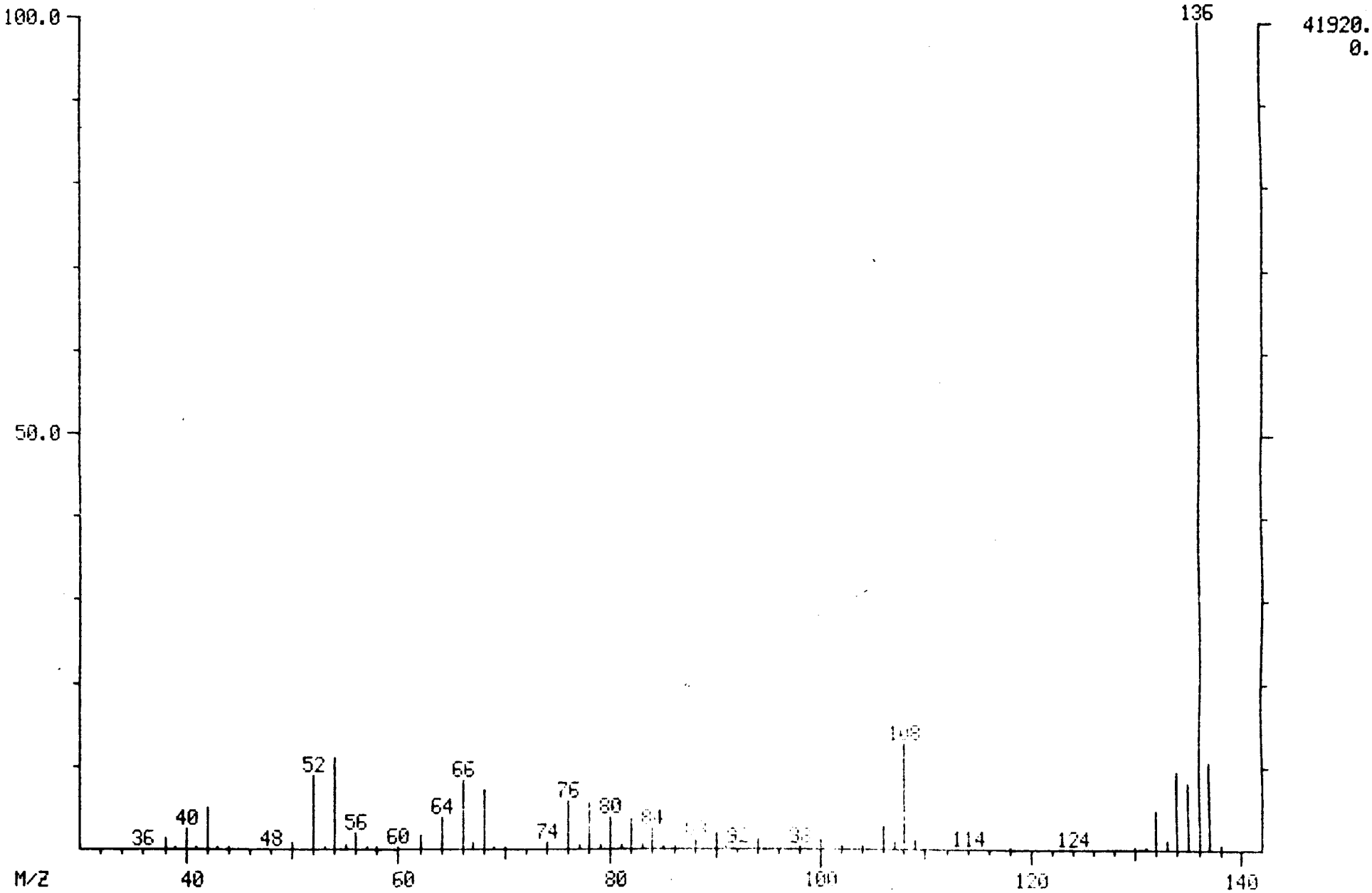
002163



MASS SPECTRUM
04/22/91 14:23:00 + 15:02
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 [illegible].
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: [illegible]P22GK06 #1516
CALI: [illegible]P22GK06 #3

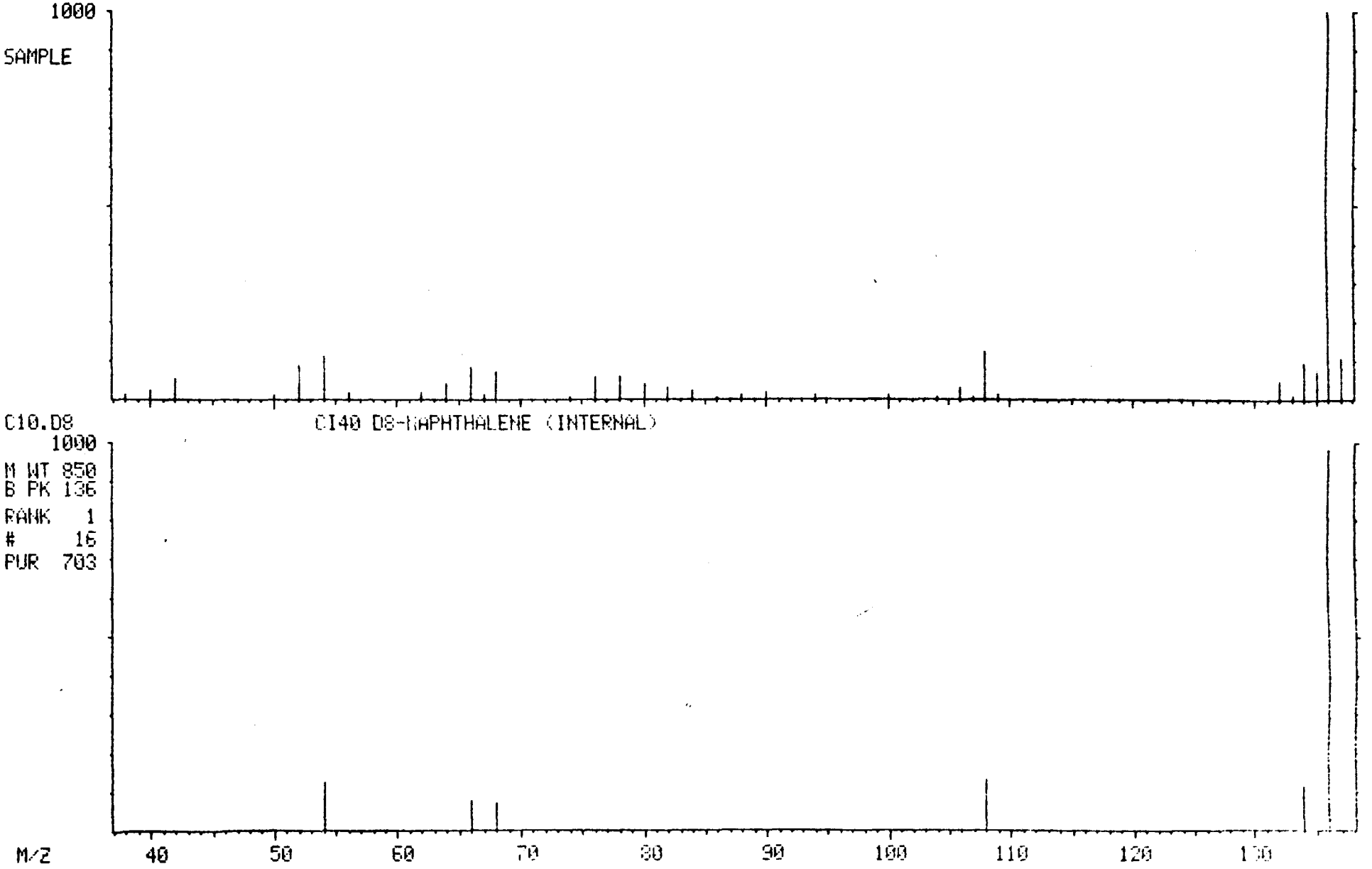
BASE M/Z: 136
RIC: 101632.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 15:02
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1516
CALI: APR22GK06 # 3

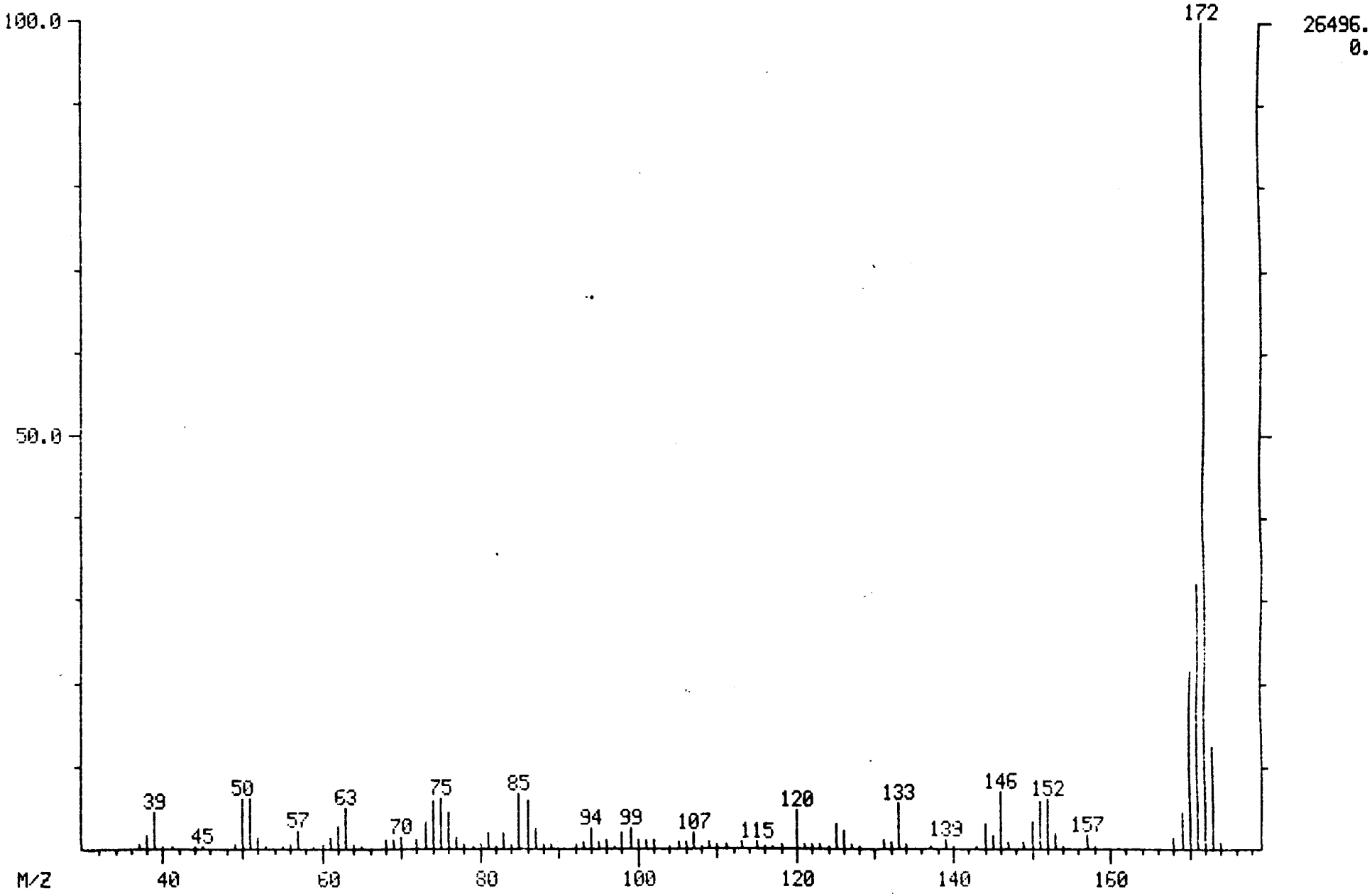
BASE M/Z: 136
RIC: 98048.



MASS SPECTRUM
04/22/91 14:23:00 + 17:49
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1798
CALI: APR22GK06 #3

BASE M/Z: 172
RIC: 88960.



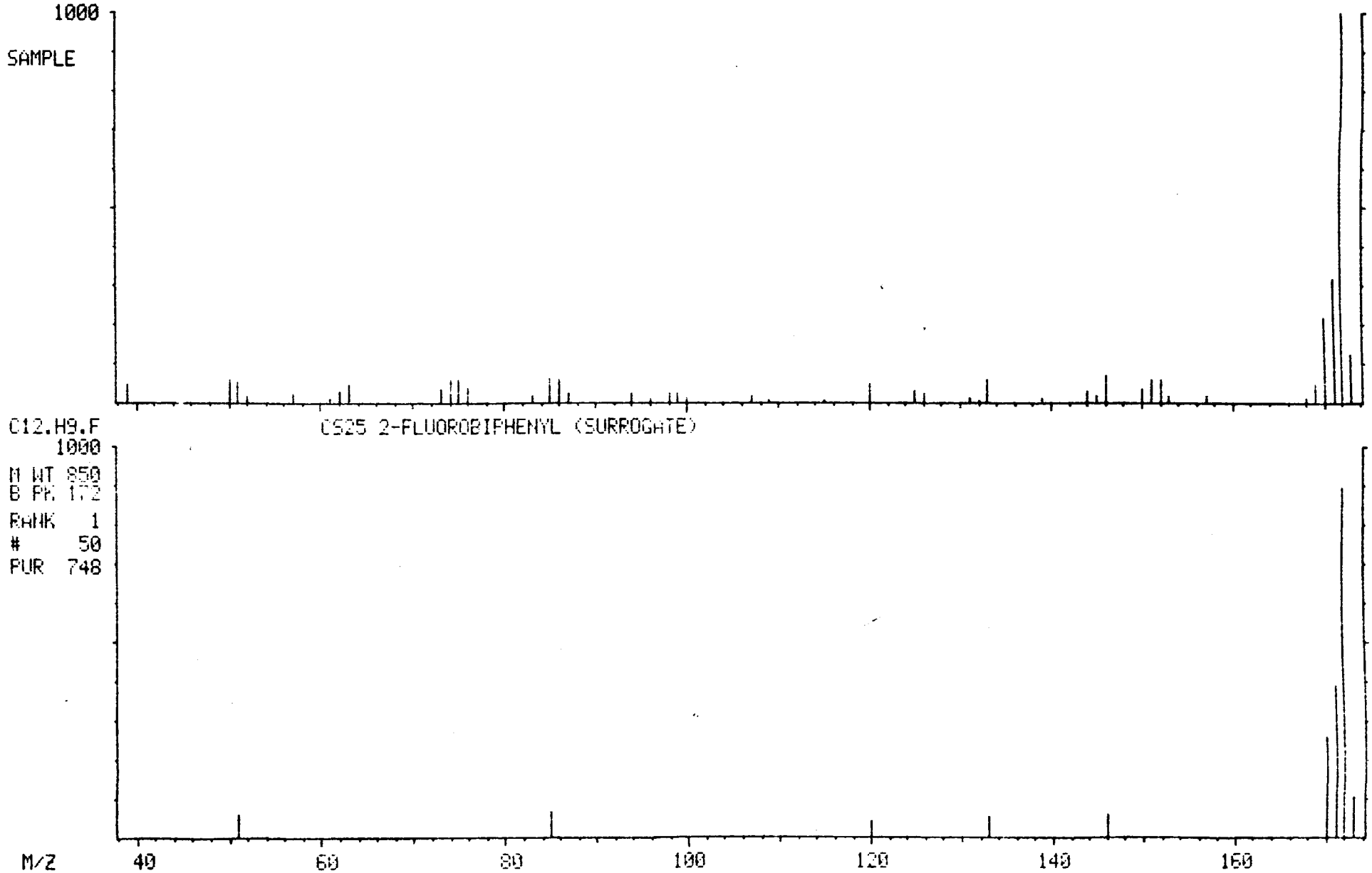
002200

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 17:49
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1798
CALI: APR22GK06 # 3

BASE M/Z: 172
RIC: 79488.

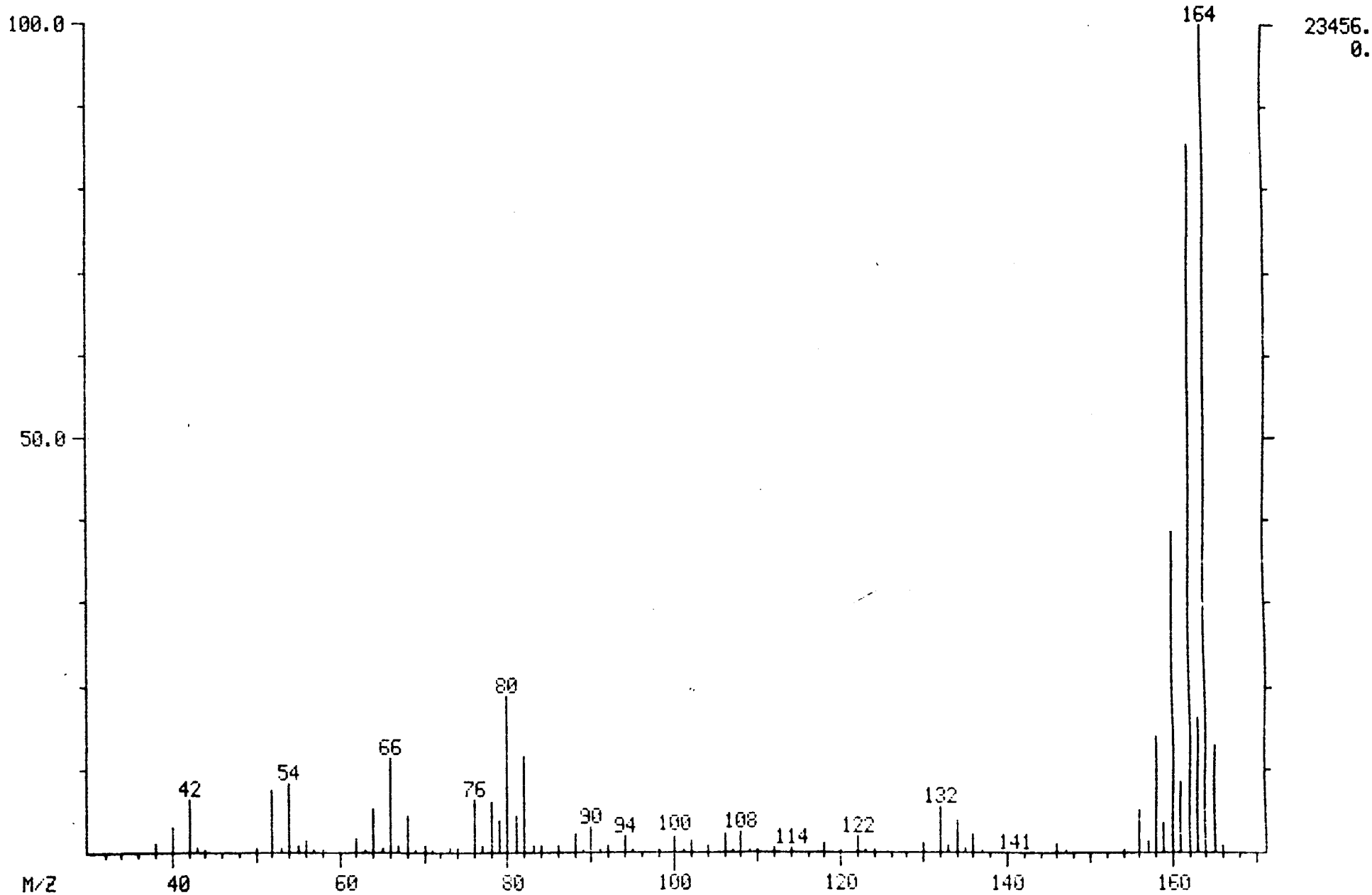
00



MASS SPECTRUM
04/22/91 14:23:00 + 19:35
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1976
CALI: APR22GK06 #3

BASE M/Z: 164
RIC: 103040.



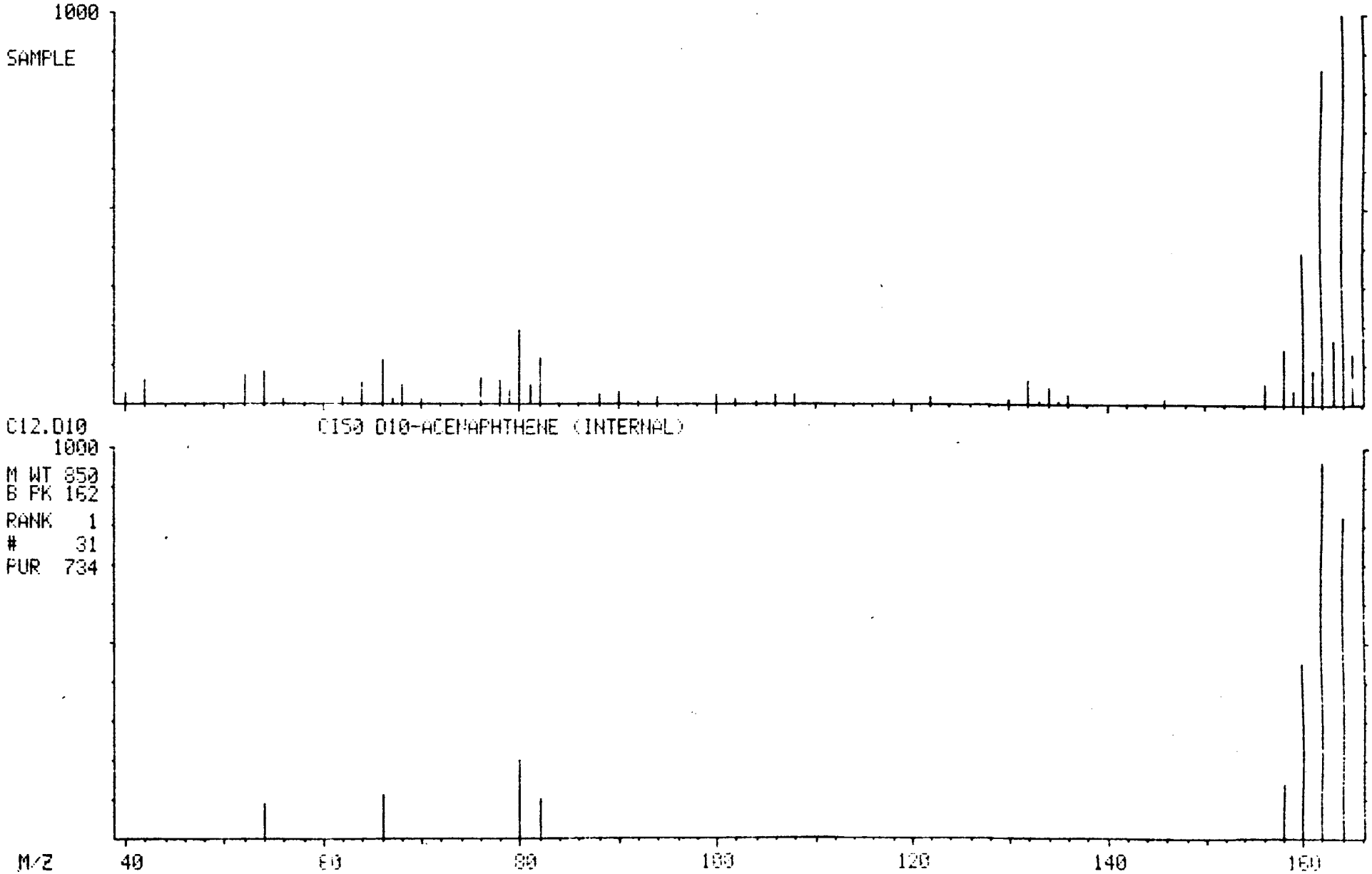
001200

MID LIBRARY SEARCH (LIBRARY3W)
04/22/91 14:23:00 + 19:35
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1976
CALI: APR22GK06 # 3

BASE M/Z: 164
RIC: 99200.

002169

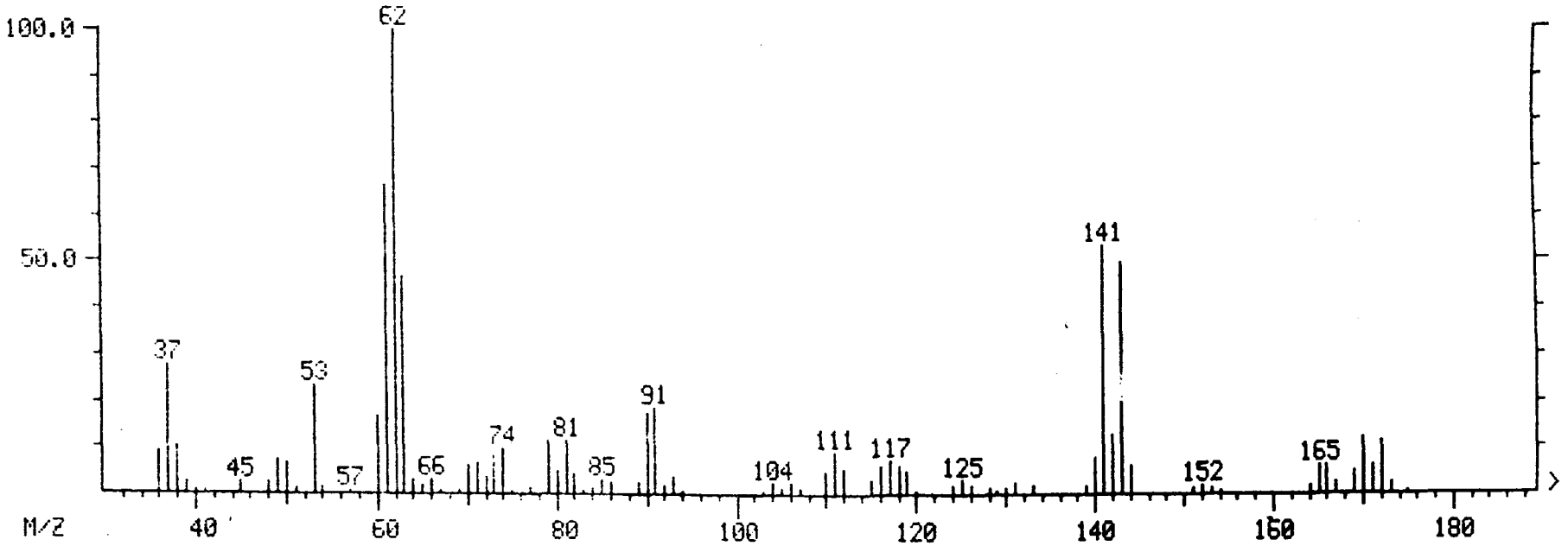


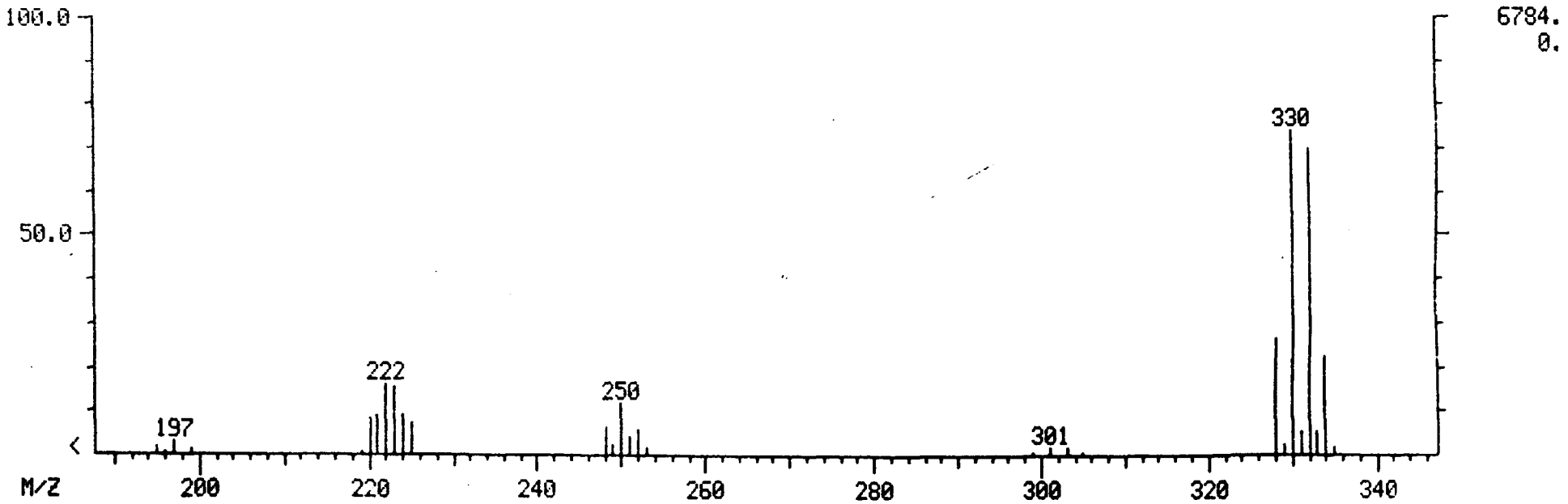
MASS SPECTRUM
04/22/91 14:23:00 + 21:09
SAMPLE: 30911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2184
CALI: APR22GK06 #3

BASE M/Z: 62
RIC: 70144.

001200



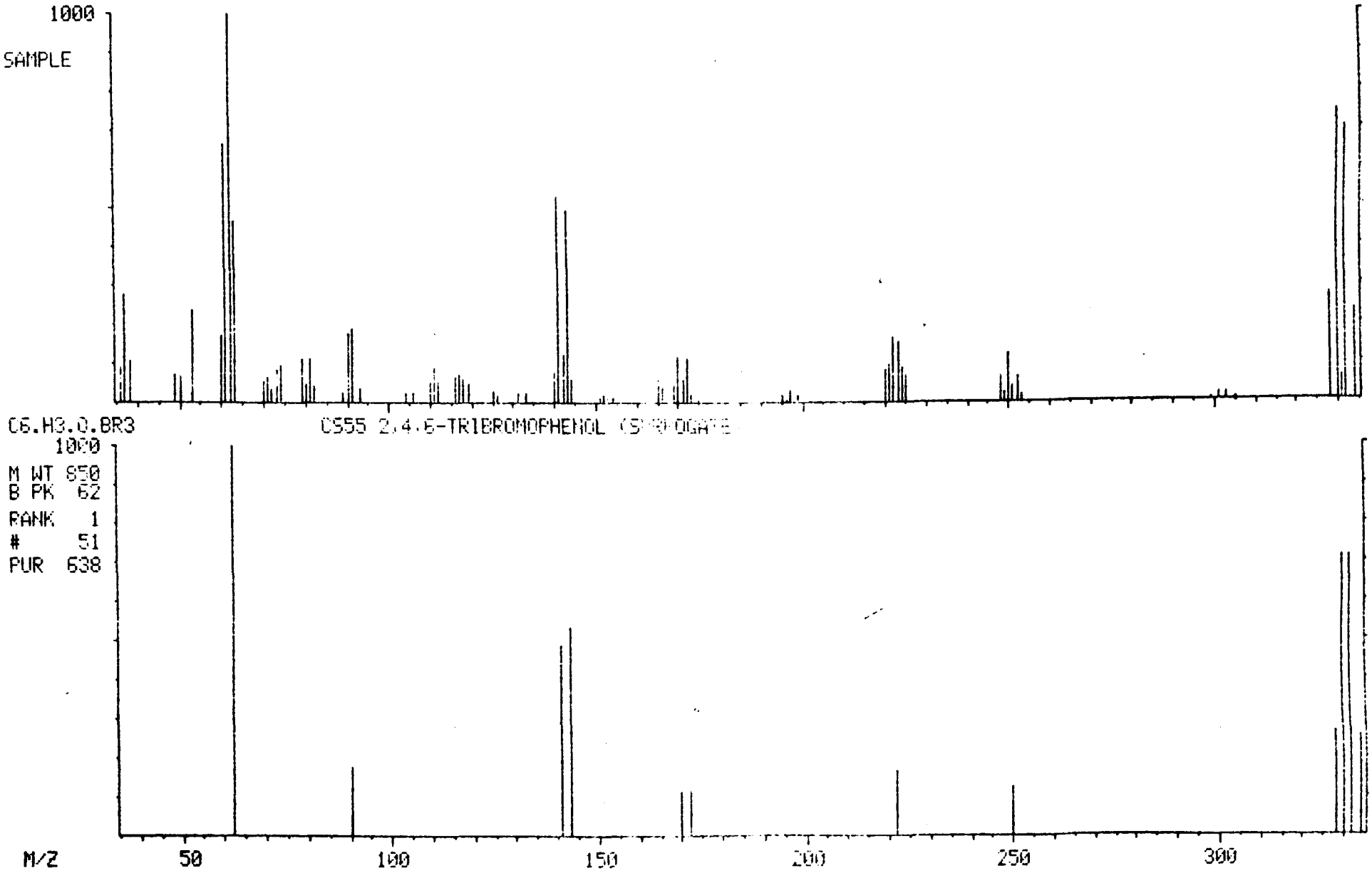


MID LIBRARY SEARCH (LIBRARY)
04/22/91 14:23:00 + 21:39
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2184
CALI: APR22GK06 # 3

BASE M/Z: 62
RIC: 65920.

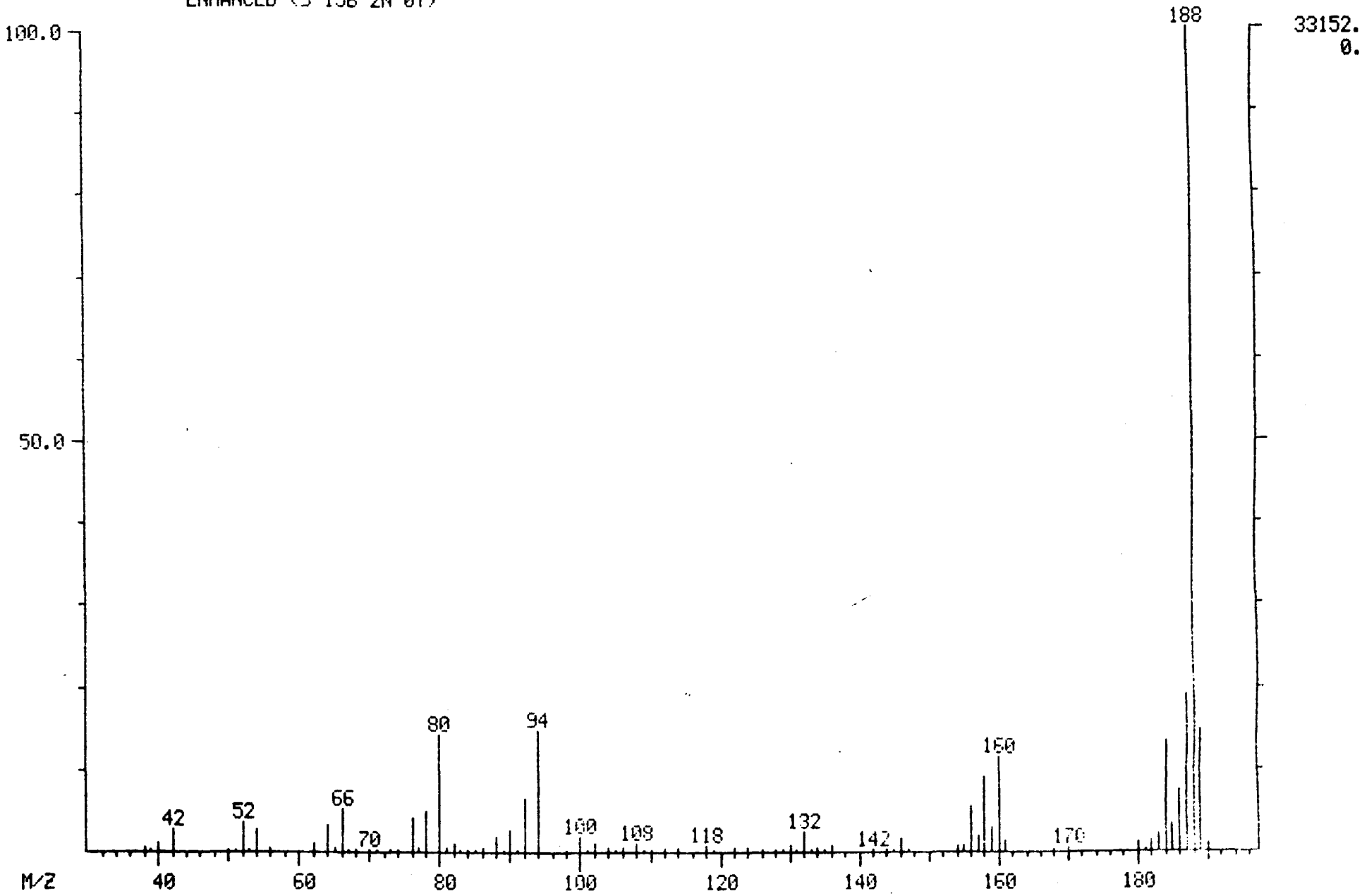
1200



MASS SPECTRUM
04/22/91 14:23:00 + 23:25
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2363
CALI: APR22GK06 #3

BASE M/Z: 188
TIC: 98944.



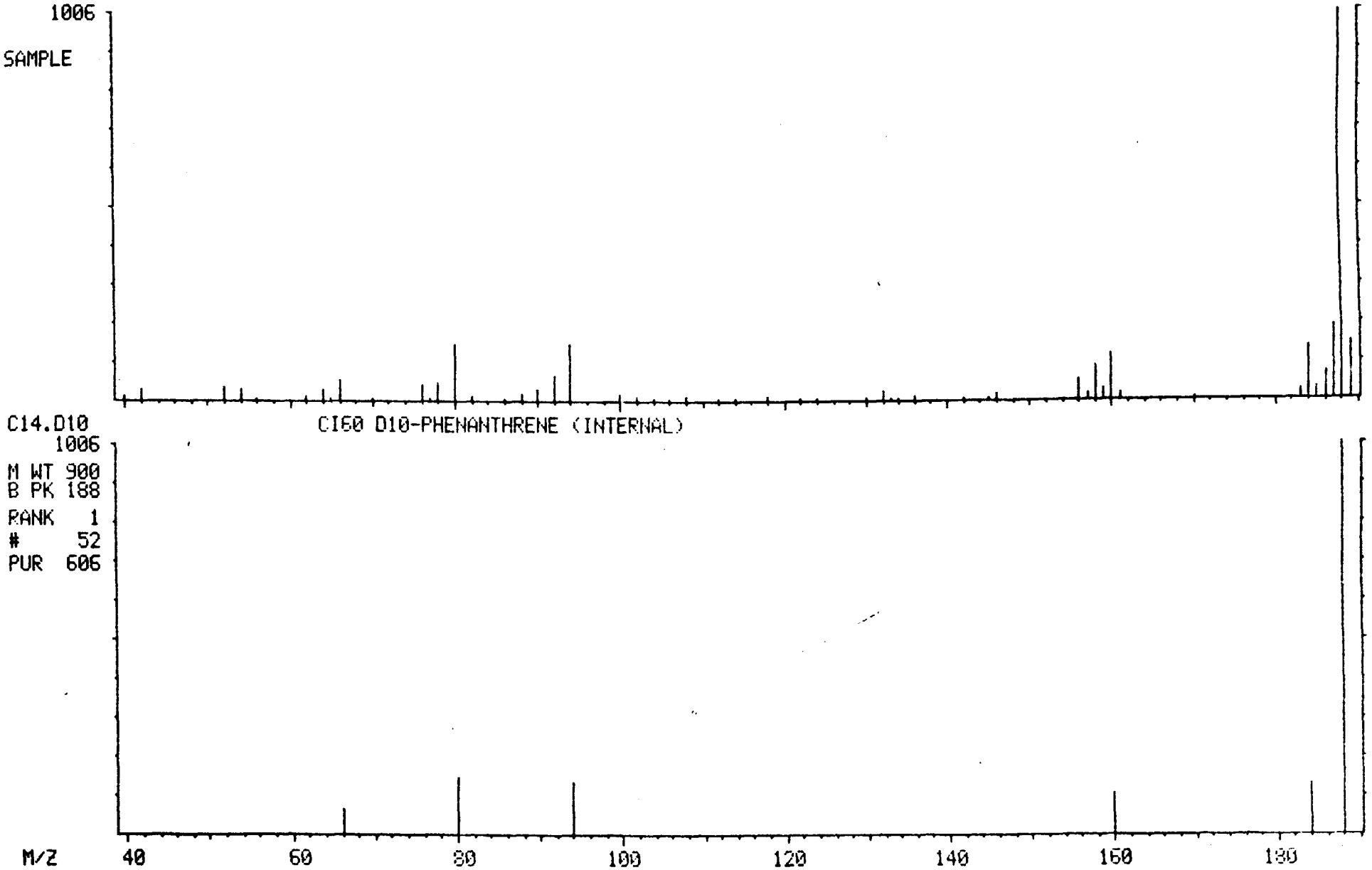
2,7200

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 23:25
SAMPLE: 90311 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2363
CALI: APR22GK06 # 3

BASE M/Z: 188
RIC: 94080.

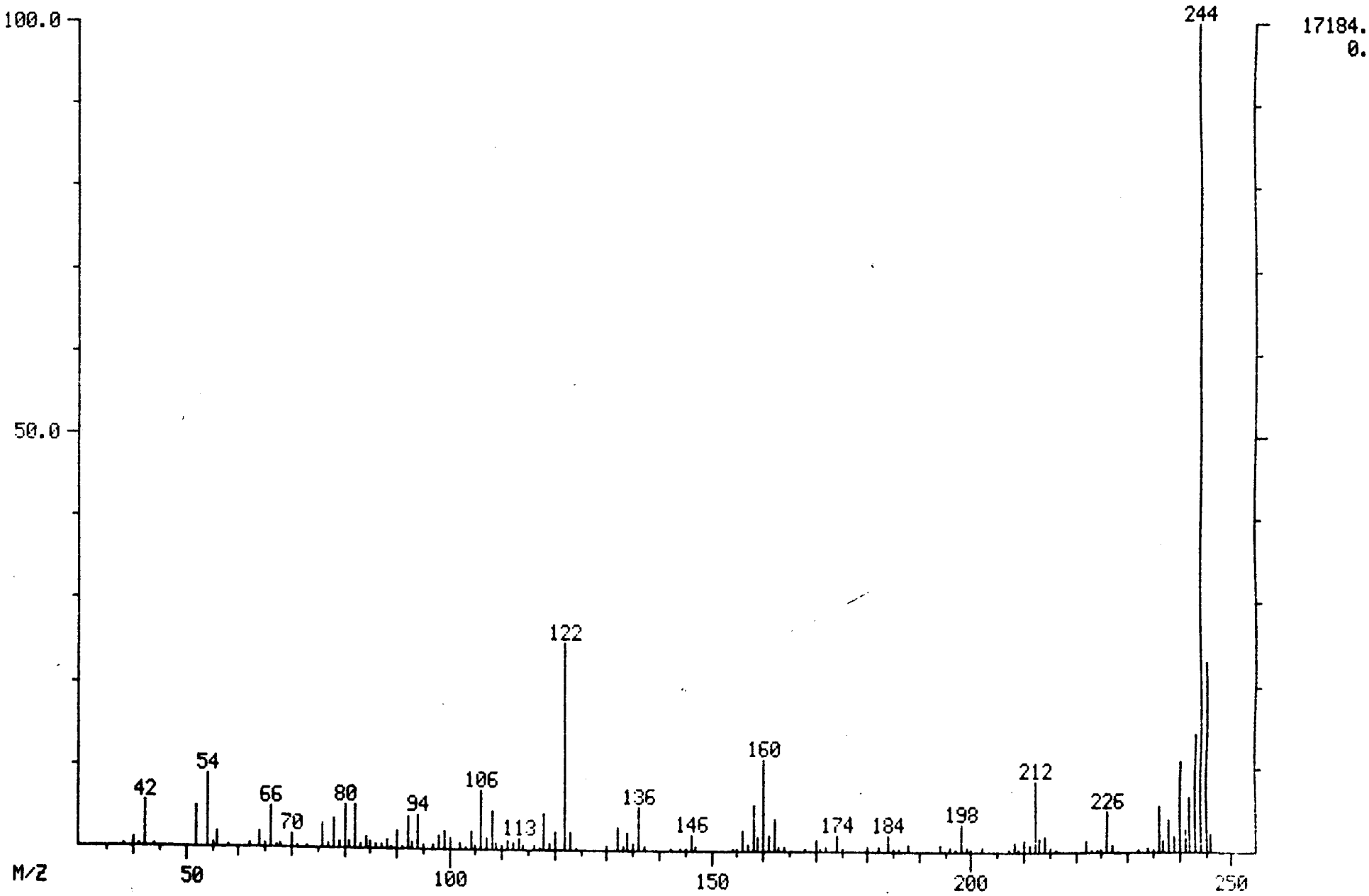
002173



MASS SPECTRUM
04/22/91 14:23:00 + 27:37
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2786
CALI: APR22GK06 #3

BASE M/Z: 244
RIC: 68096.

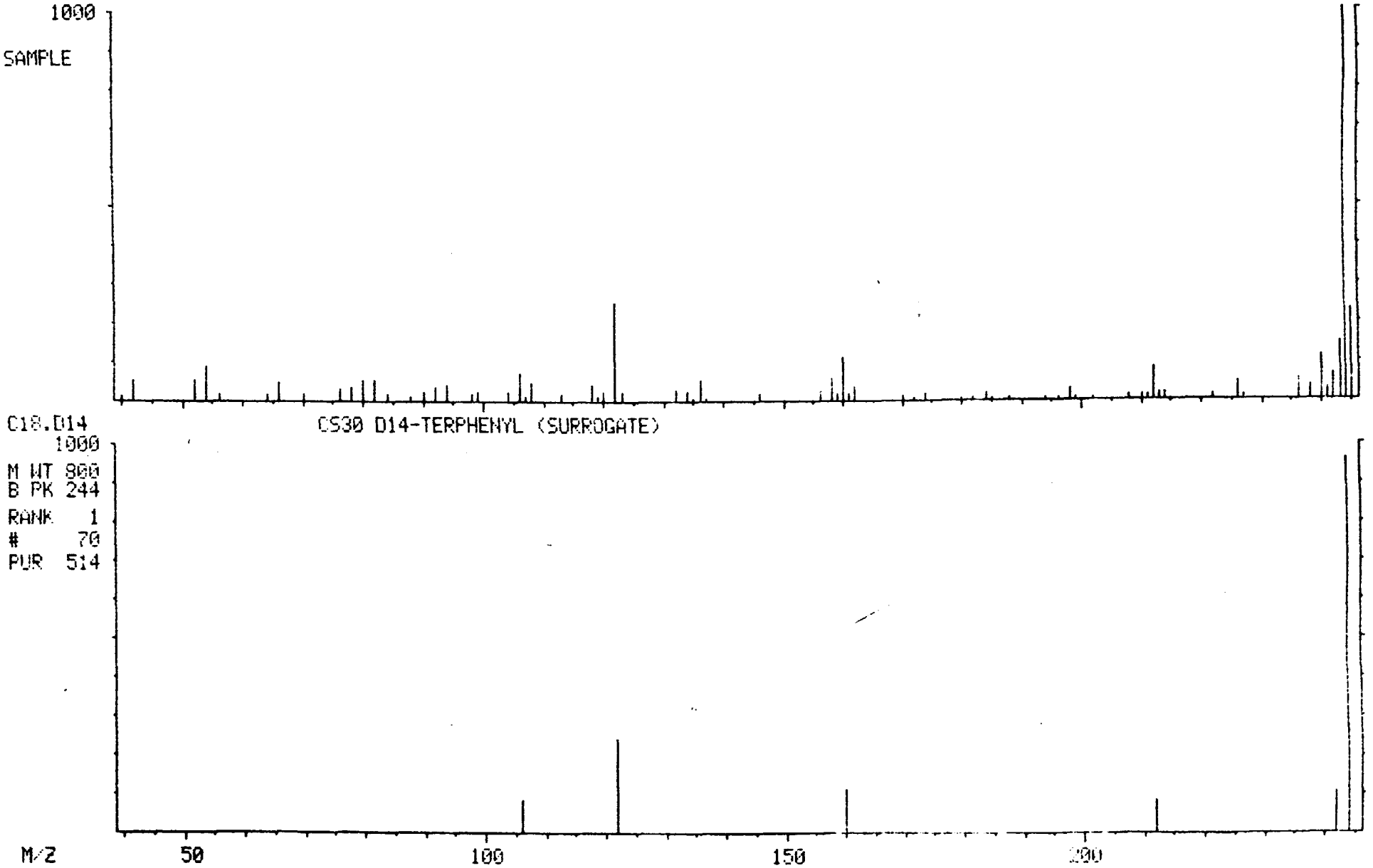


002174

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 27:37
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR[illegible] #273[illegible]
CALI: APR20[illegible]06 #[illegible]

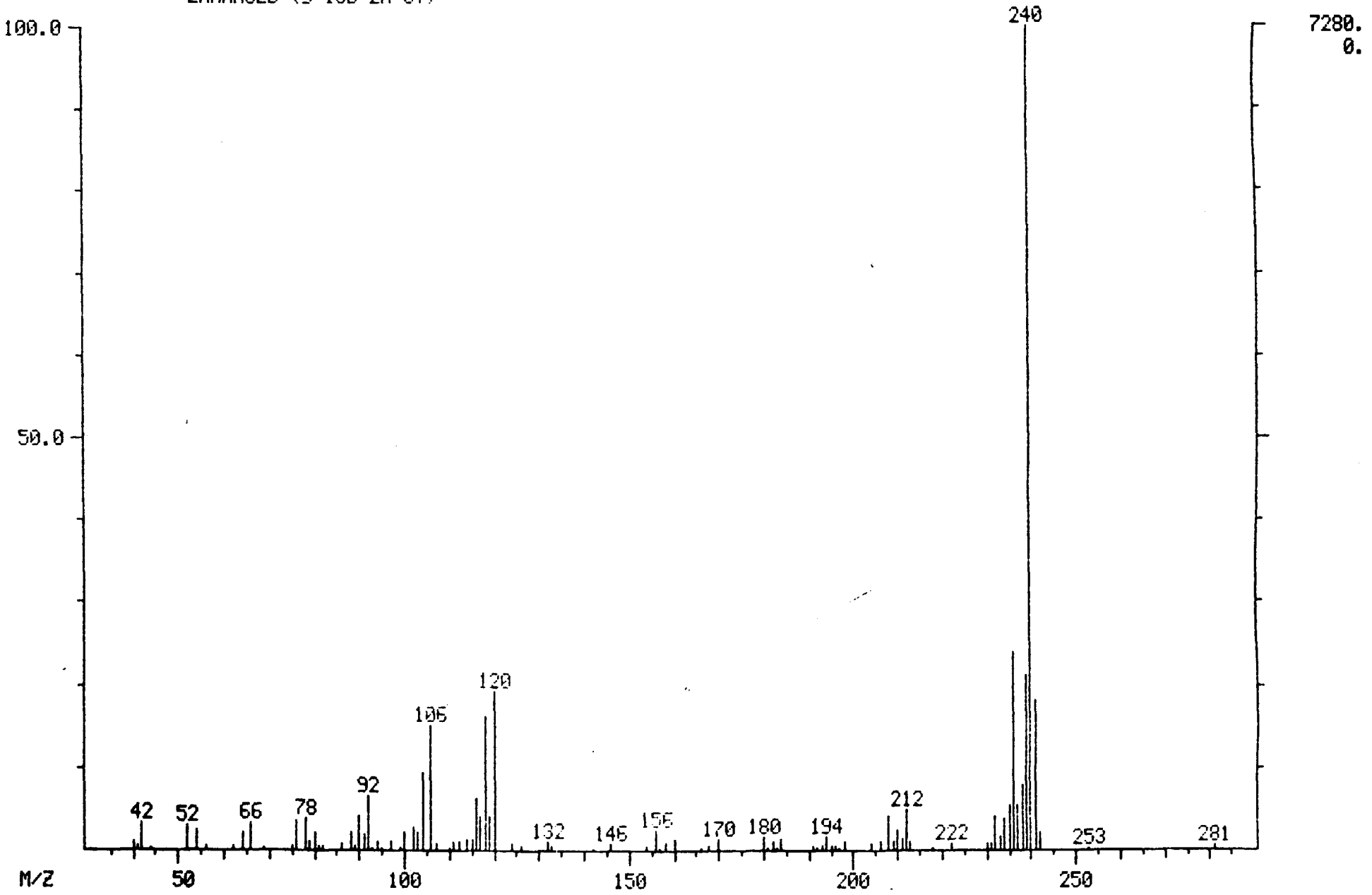
BASE M/Z: 244
RIC: 61952.



MASS SPECTRUM
04/22/91 14:23:00 + 31:13
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #3150
CALI: APR22GK06 #3

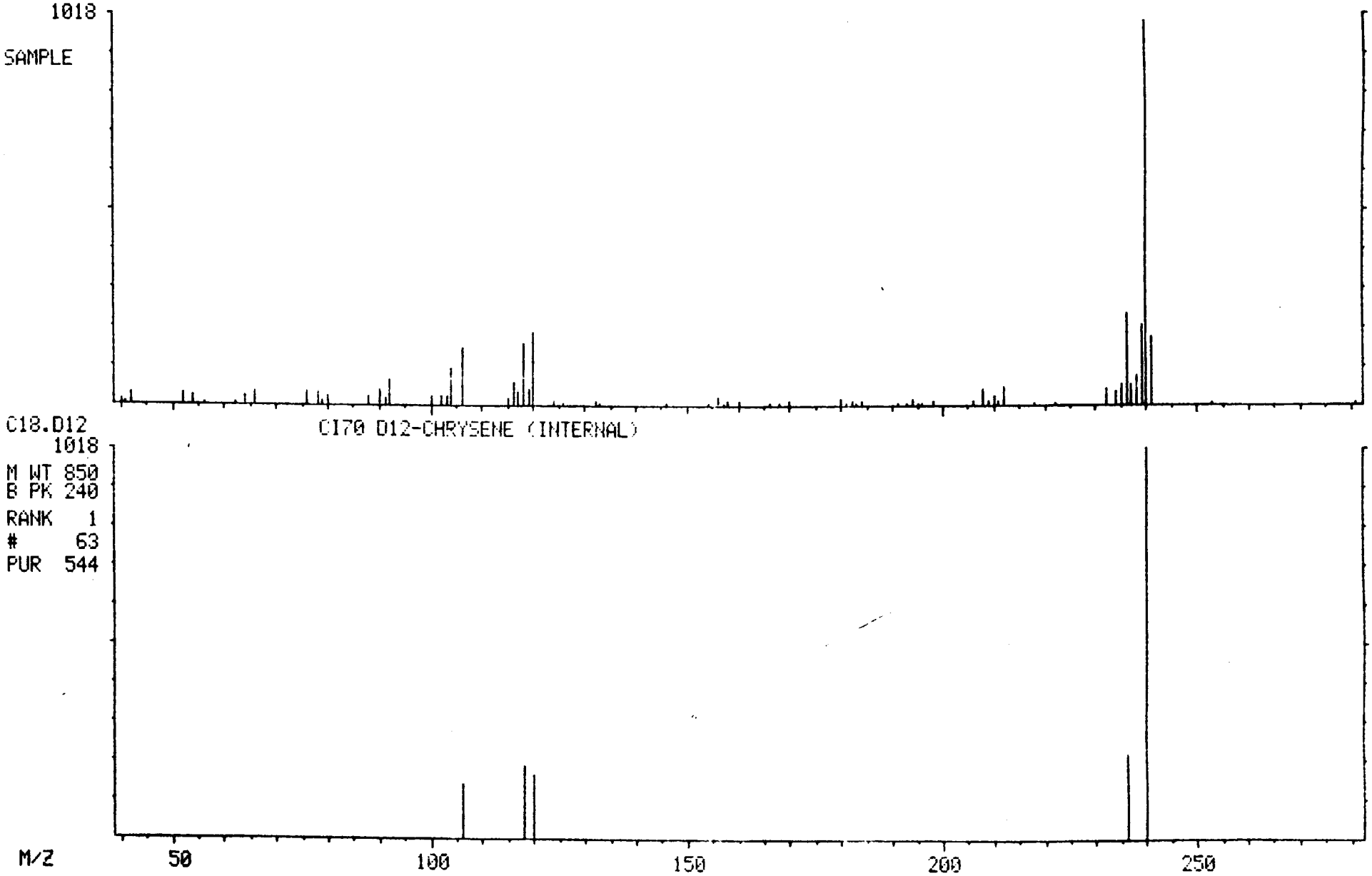
BASE M/Z: 240
RIC: 27296.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 31:13
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #3150
CALI: APR22GK06 # 3

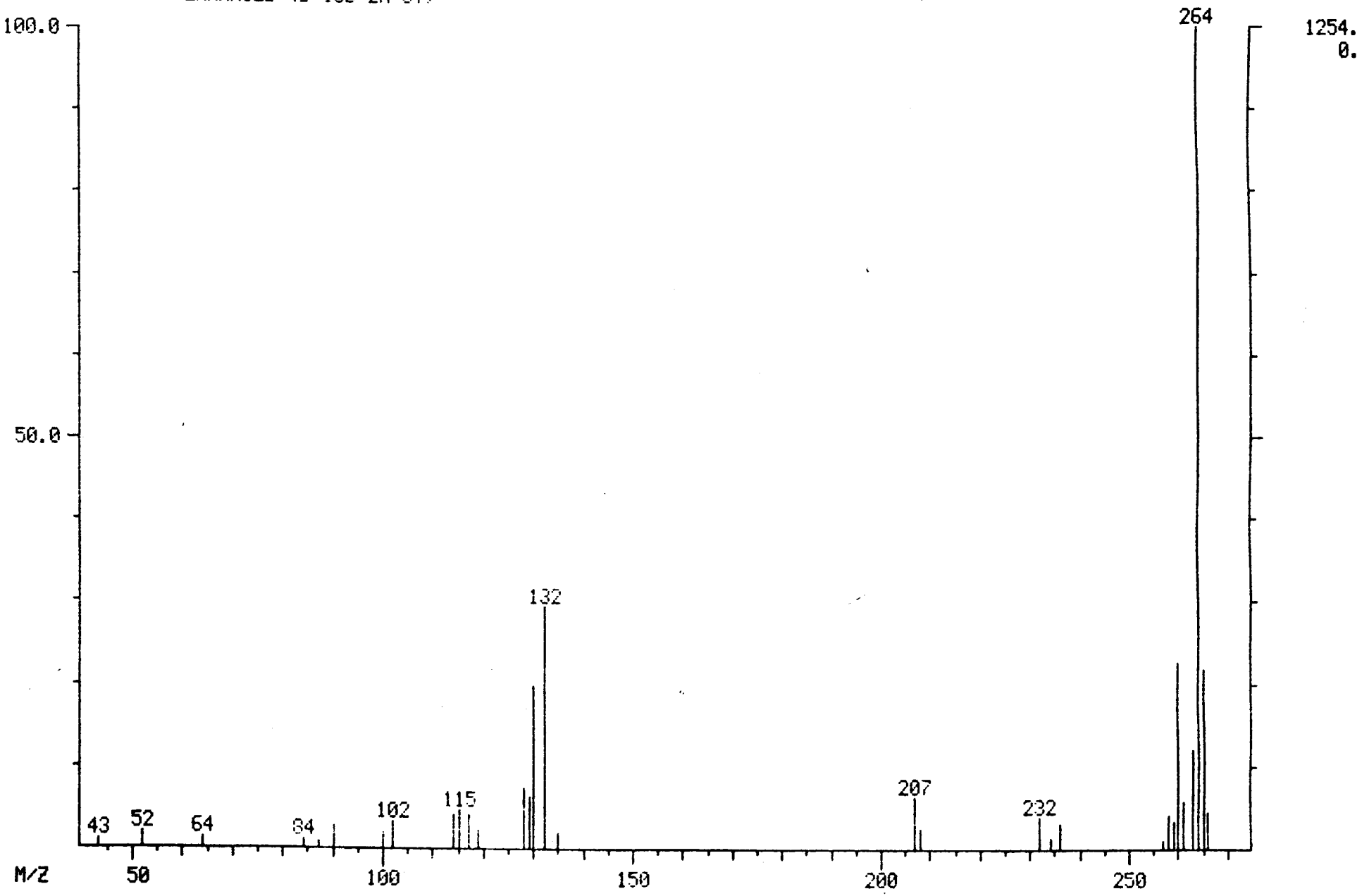
BASE M/Z: 240
RIC: 25856.



MASS SPECTRUM
04/22/91 14:23:00 + 40:25
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #4077
CALI: APR22GK06 #3

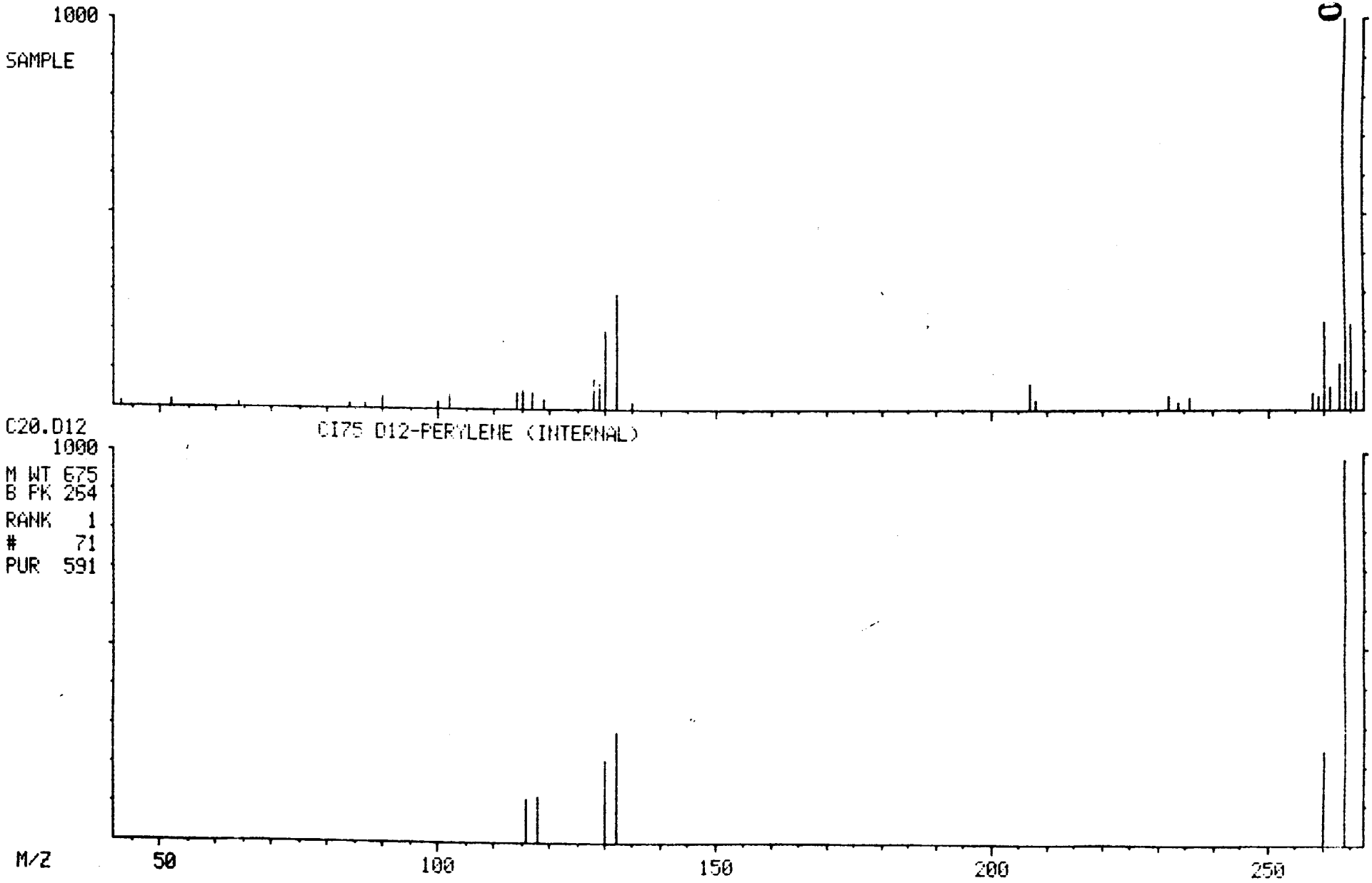
BASE M/Z: 264
RIC: 3616.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 14:23:00 + 40:25
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #4077
CALI: APR22GK06 # 3

BASE M/Z: 264
RIC: 3604.

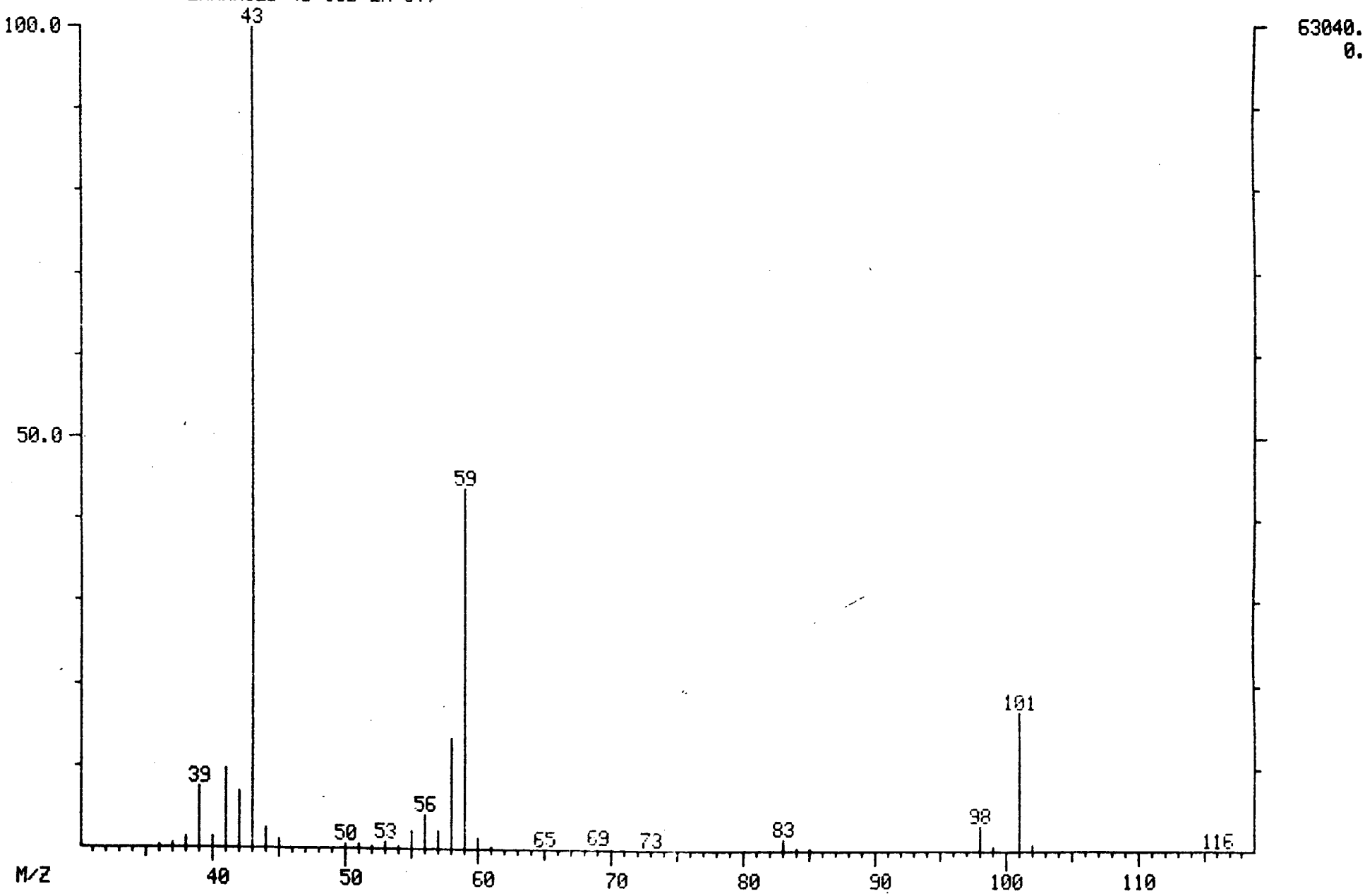


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 14:23:00 + 8:08
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #821
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 141824.

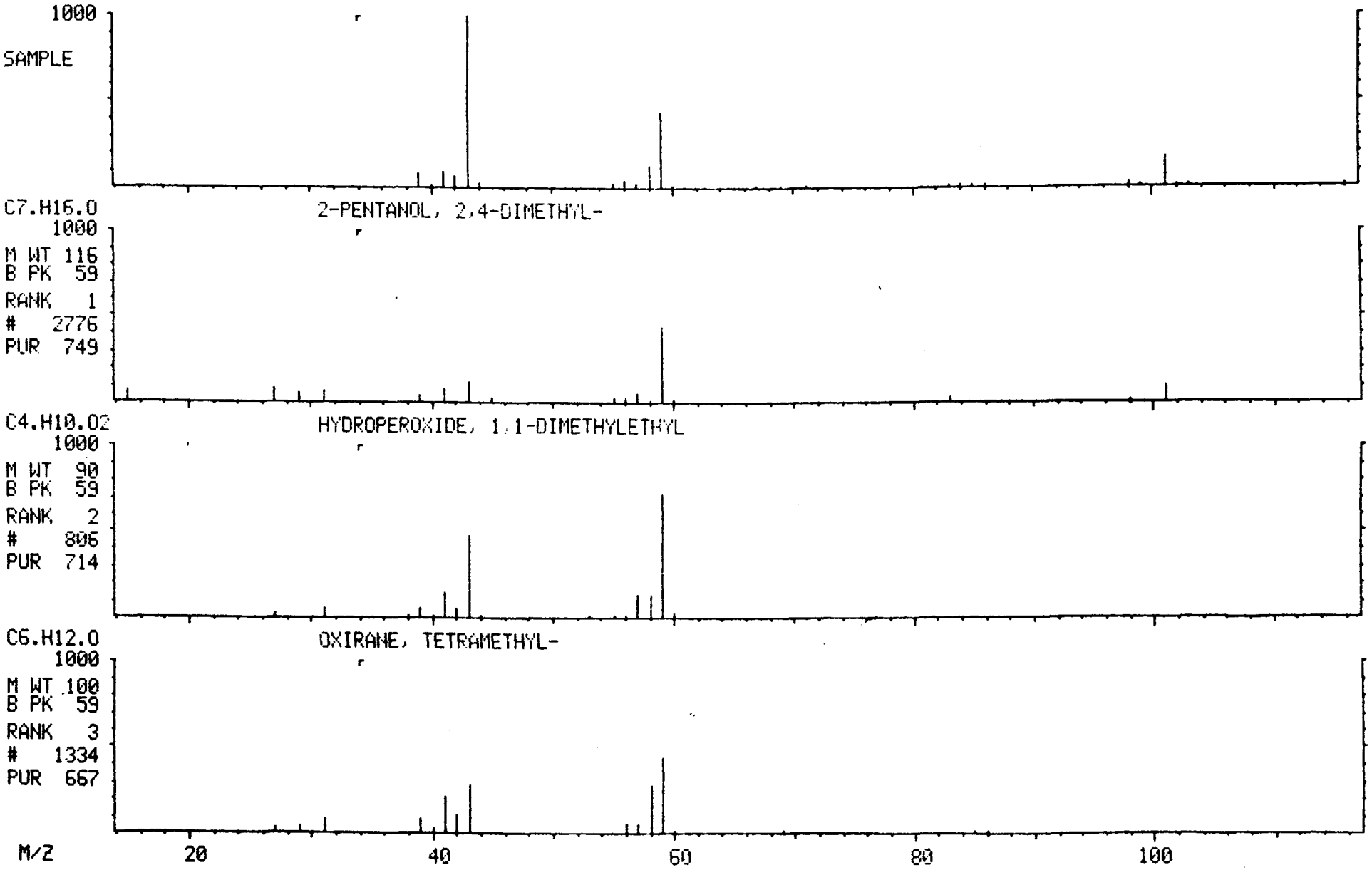


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 8:08
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 # 821
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 137984.

002132

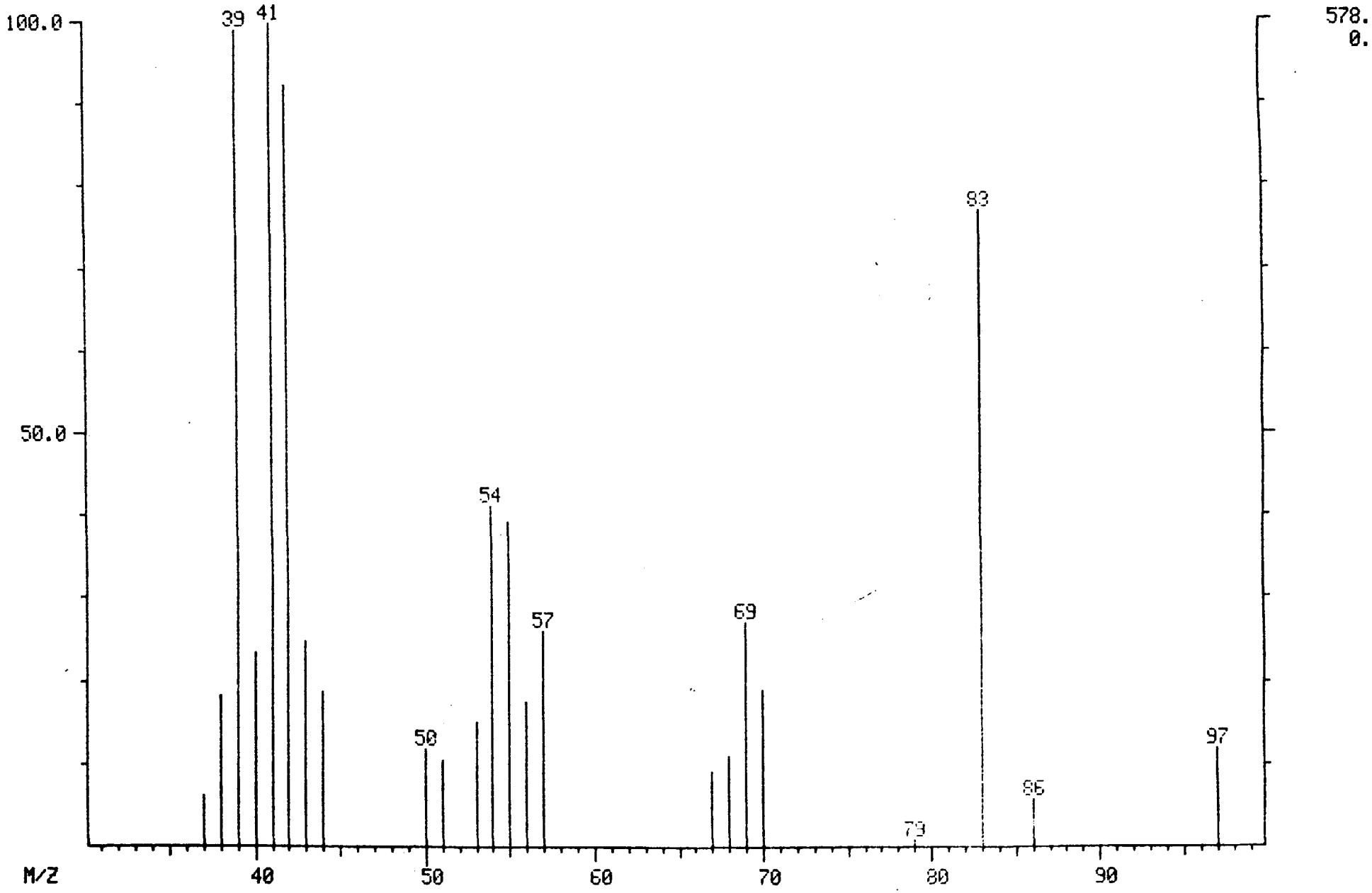


MASS SPECTRUM
04/22/91 14:23:00 + 8:34
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 86 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: APR22C[illegible]5 #[illegible]4
CALI: APR22C[illegible]5 #3

BASE M/Z: 41
RIC: 4092.

002133

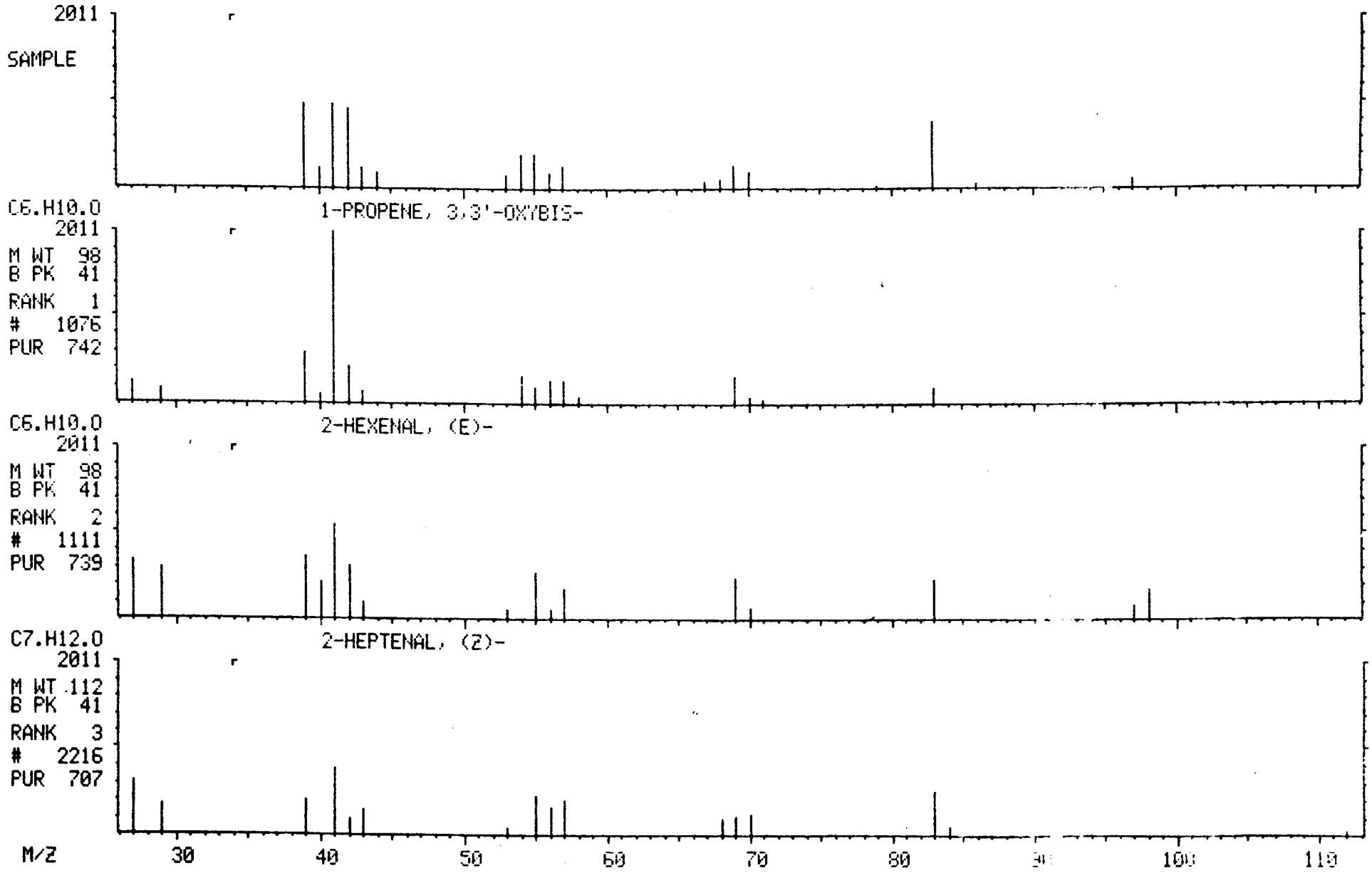


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 8:34
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 # 864
CALI: APR22GK06 # 3

BASE M/Z: 41
BIC: 3824.

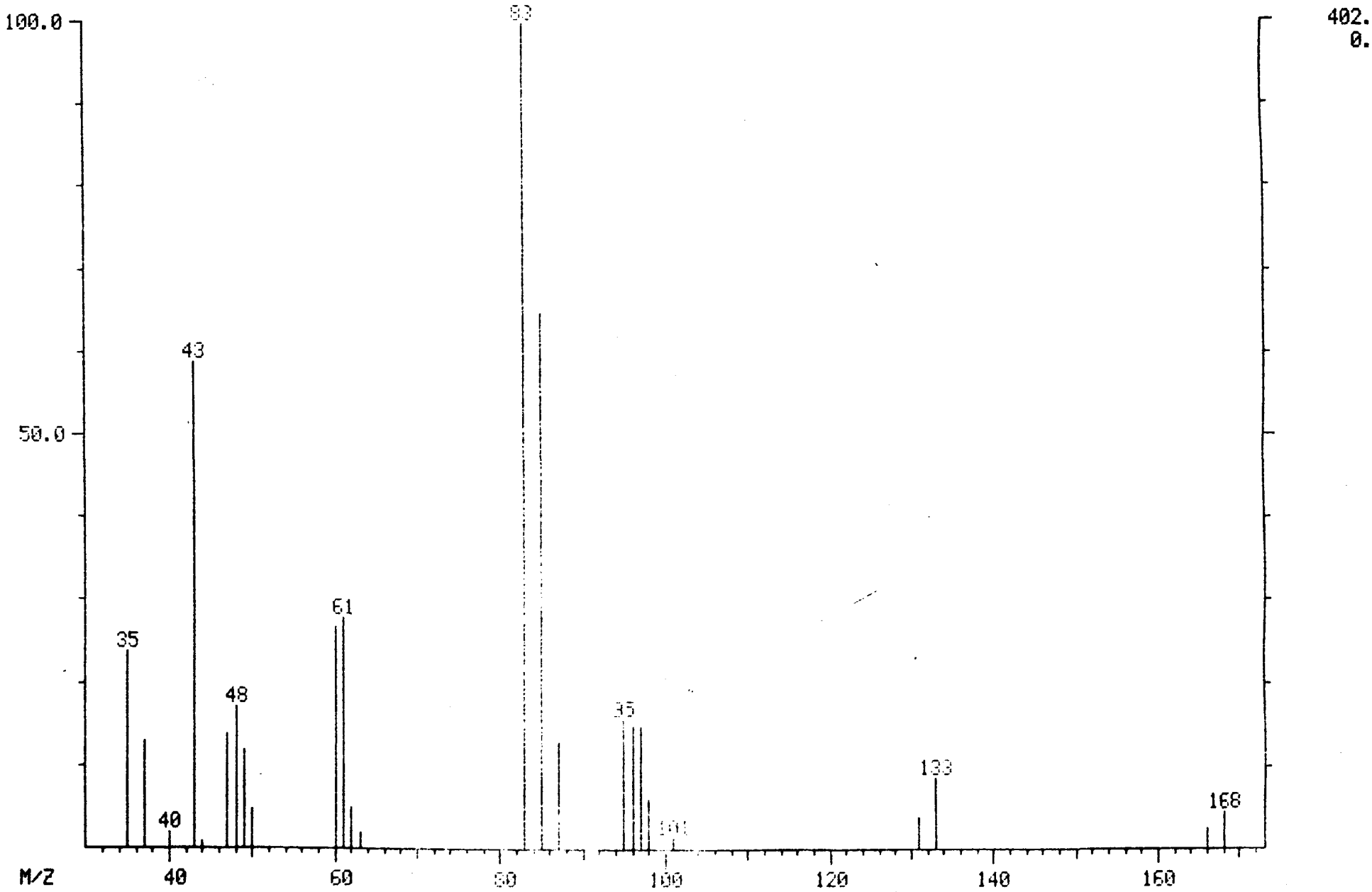
002151



MASS SPECTRUM
04/22/91 14:23:00 + 9:47
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #987
CALI: APR22GK06 #3

BASE M/Z: 83
RIC: 1842.

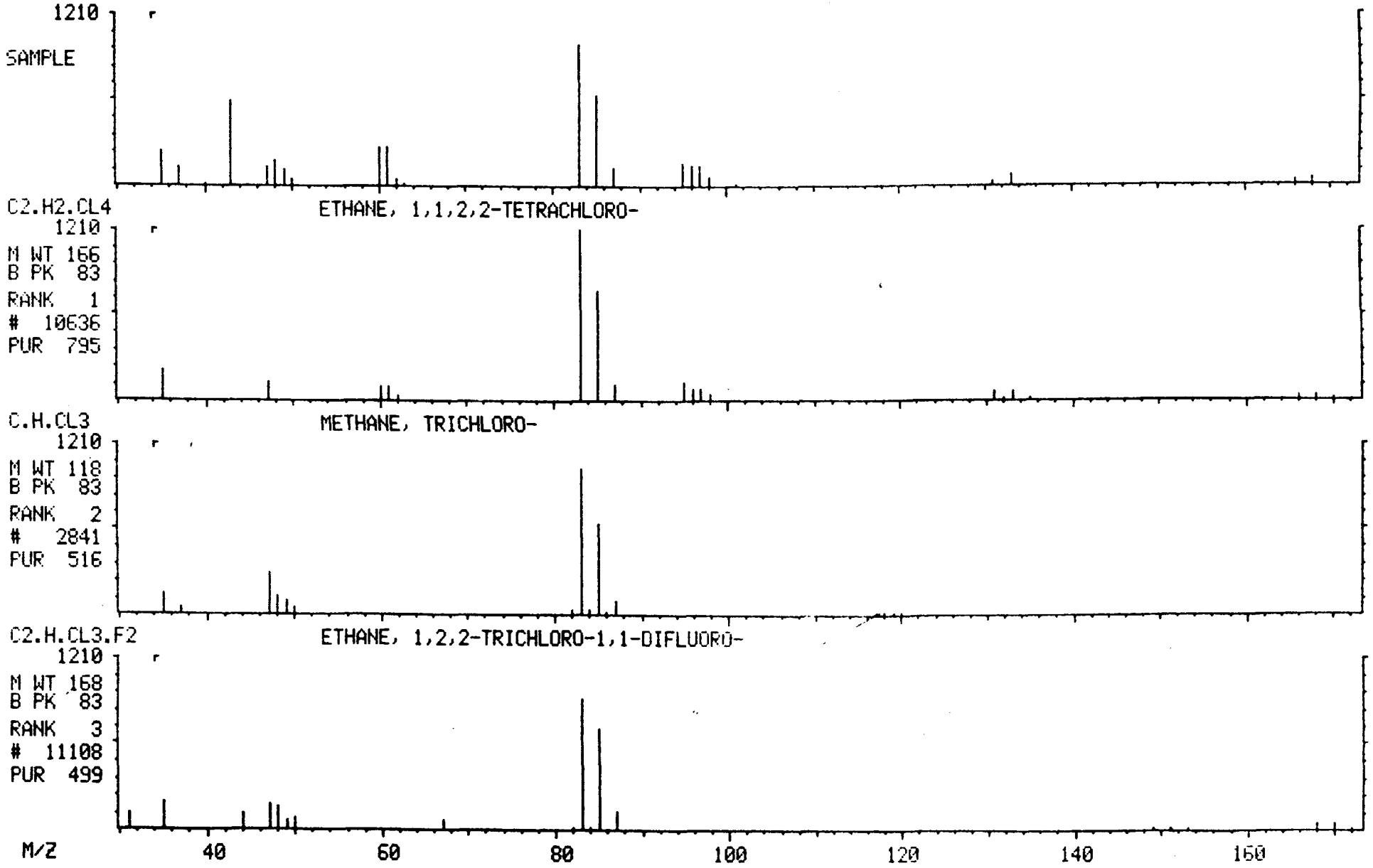


531200

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 9:47
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 # 987
CALI: APR22GK06 # 3

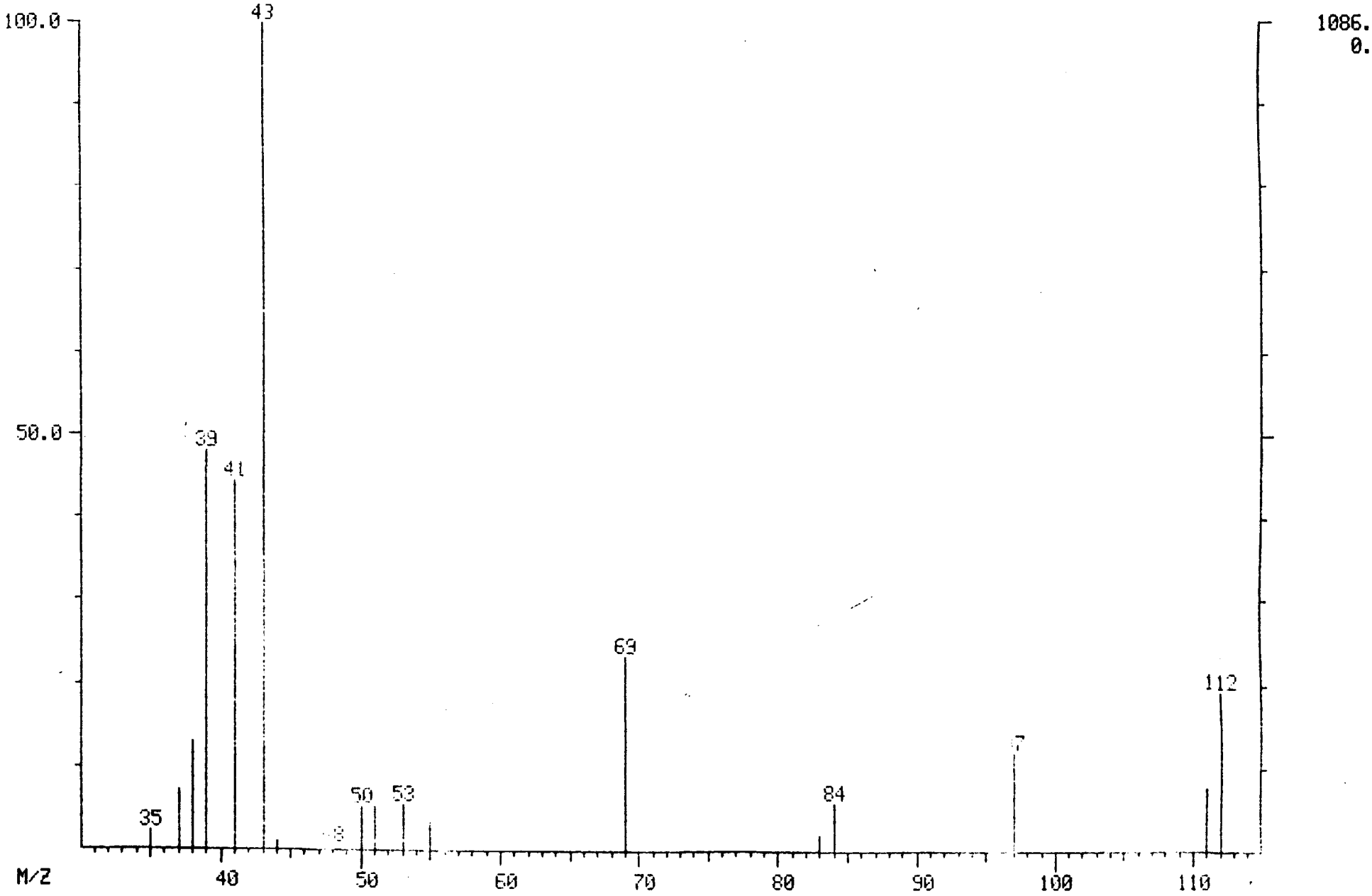
BASE M/Z: 83
RIC: 1840.



MASS SPECTRUM
04/22/91 14:23:00 - 10:10
SAMPLE: 90411 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 158 2N 0T)

DATA: APR22G00 #1026
CALI: APR22G00 #3

BASE M/Z: 43
RIC: 3336.



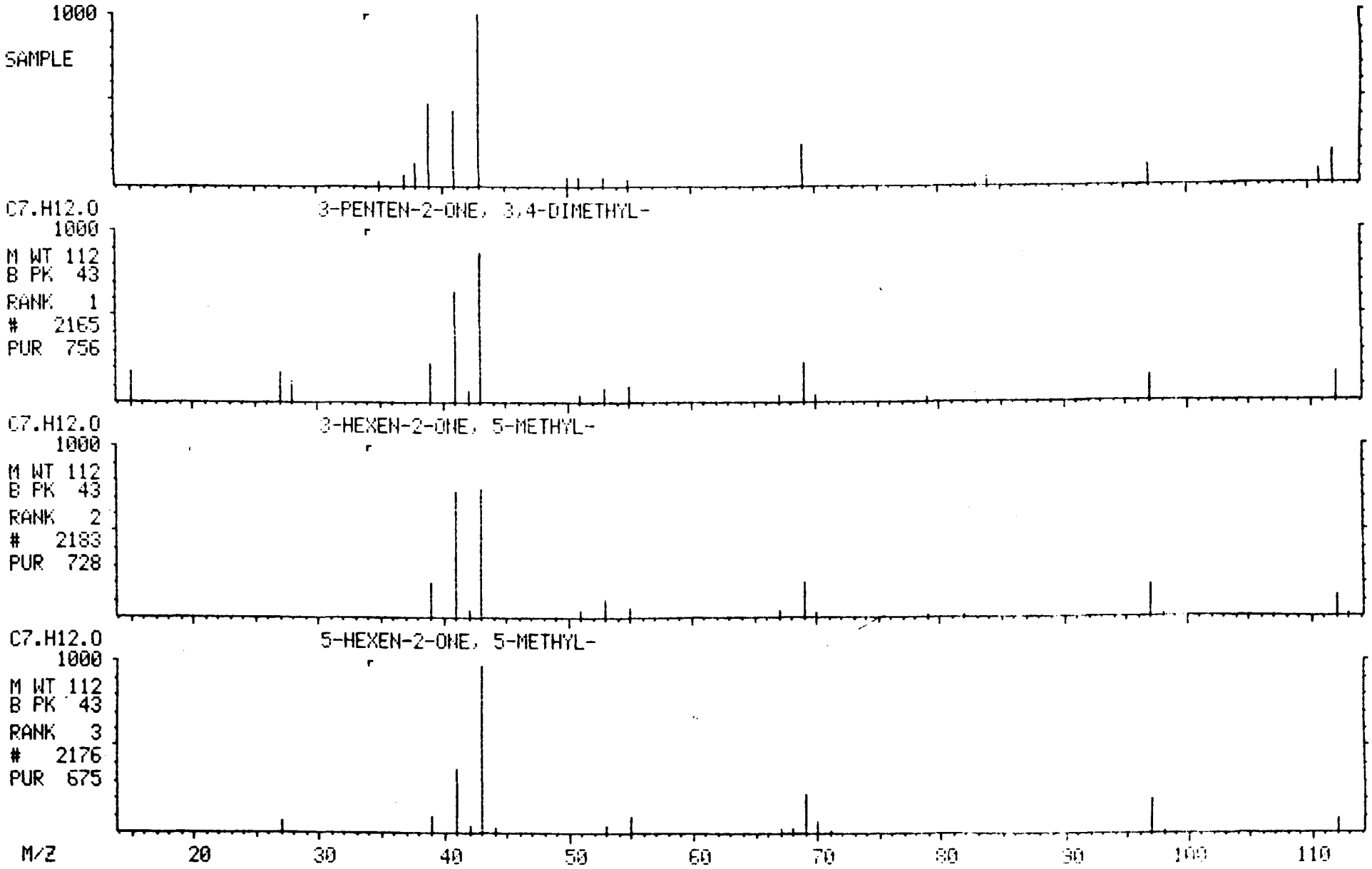
003200

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 10:10
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22U#36 #0025
CALI: APR22U#06 # 3

BASE M/Z: 43
PIC: 3316.

83120

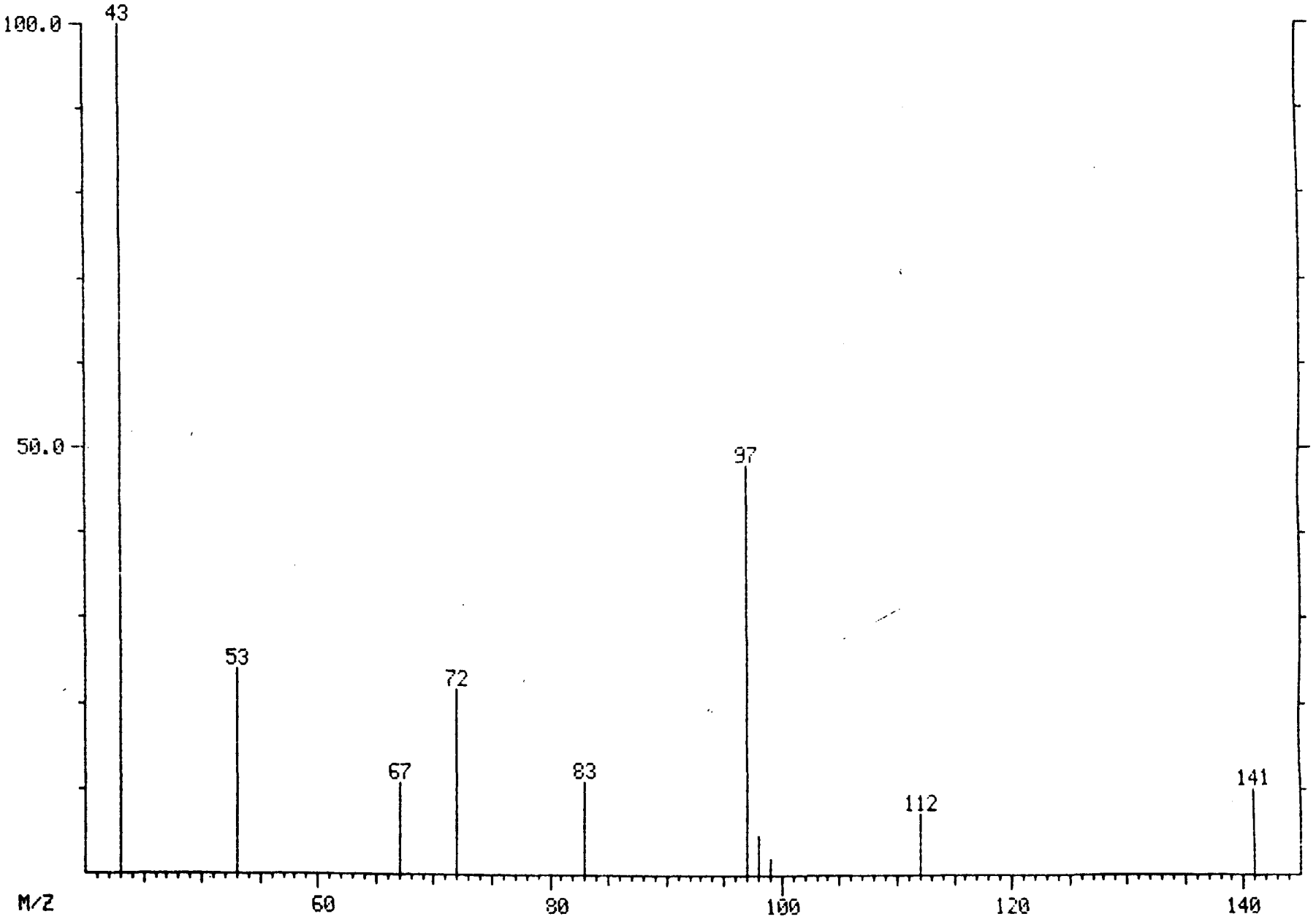


MASS SPECTRUM
04/22/91 14:23:00 + 10:33
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1065
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 765.

631200



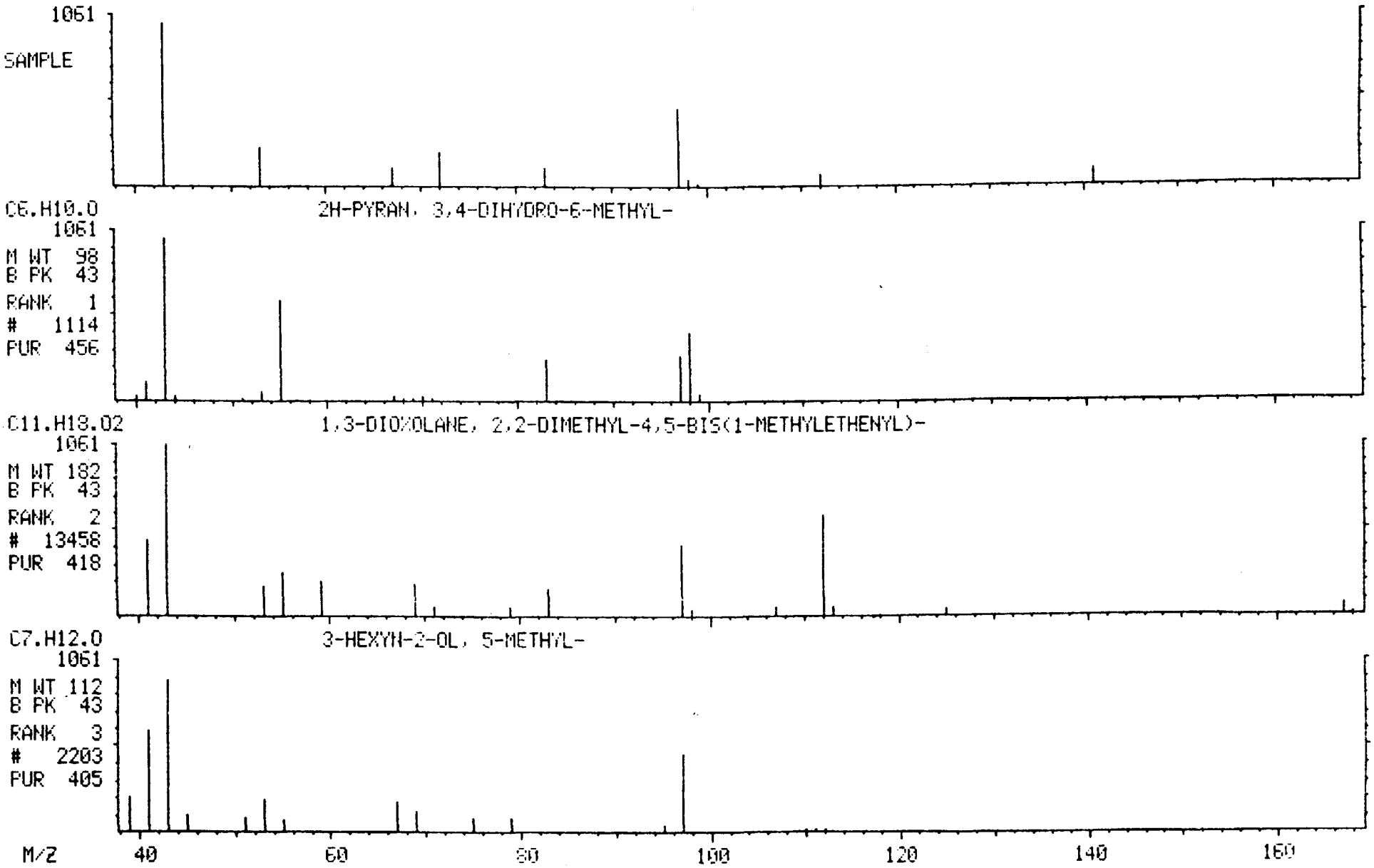
319.
0.

MID LIBRARY SEARCH (LIBPAR7NB)
04/22/91 14:23:00 + 10:33
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1065
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 765.

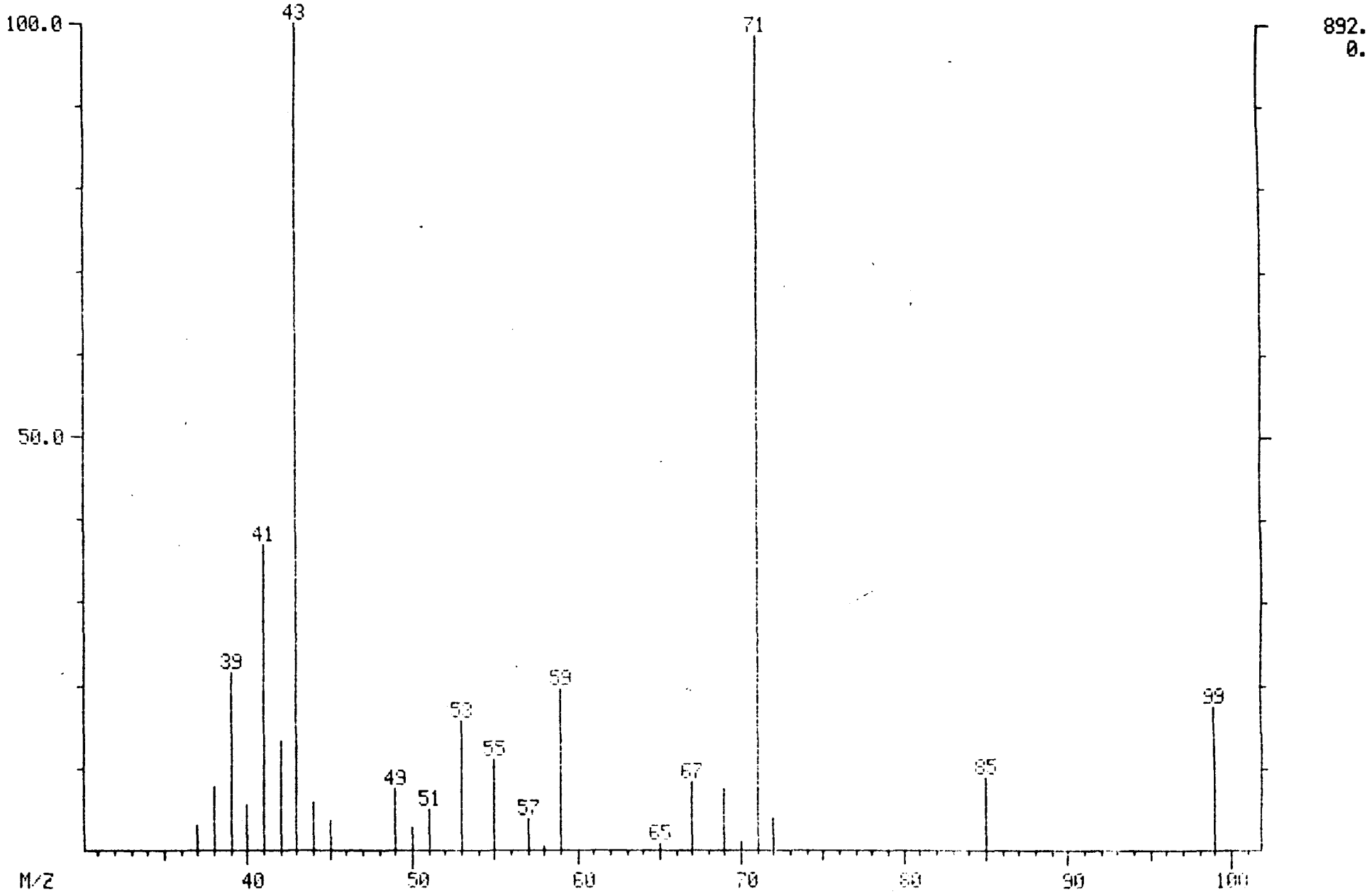
00120



MASS SPECTRUM
04/22/91 14:23:00 + 10:52
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 109 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1097
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 3668.



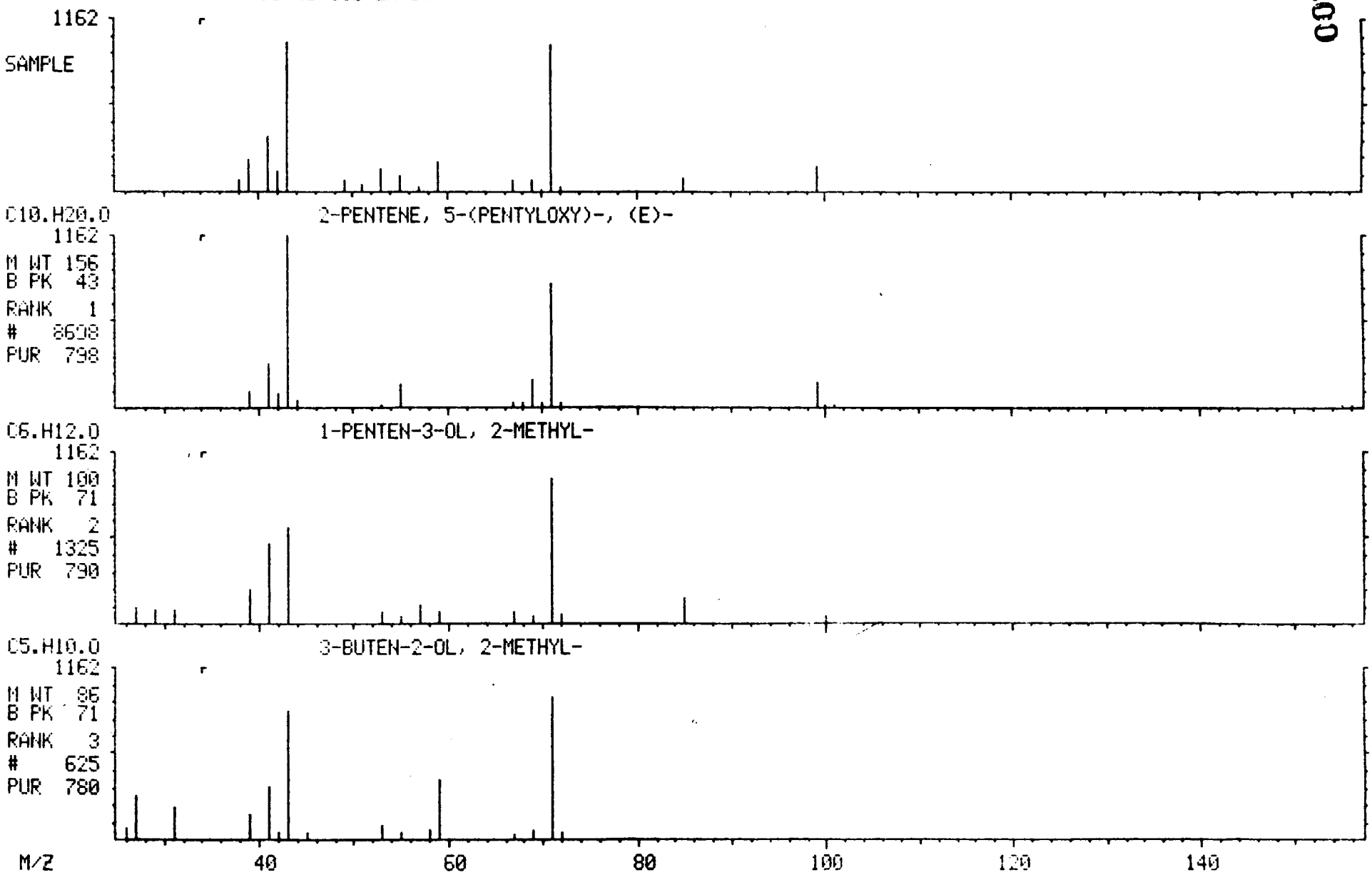
002151

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 10:52
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1097
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 3464.

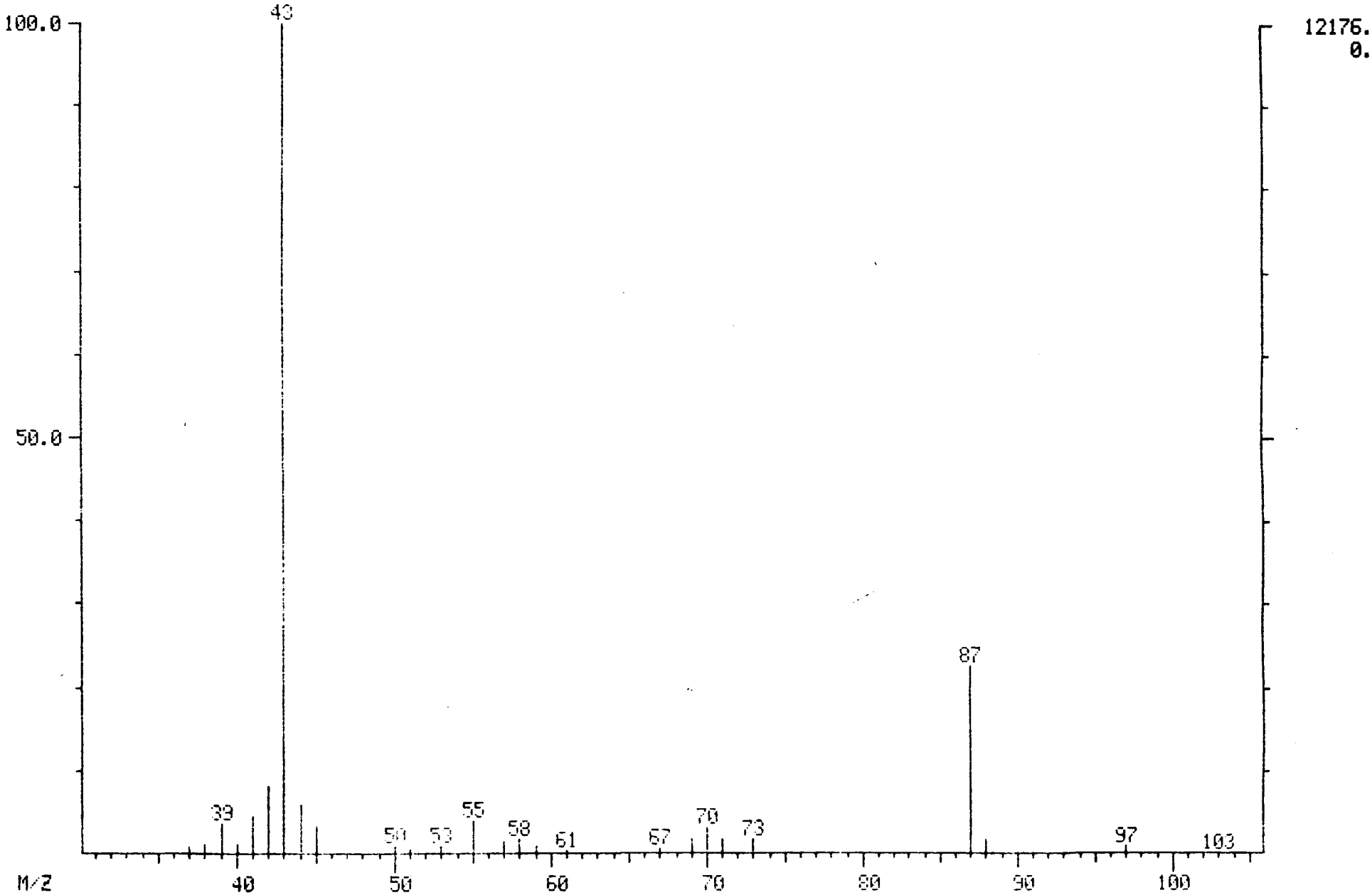
003200



MASS SPECTRUM
04/22/91 14:23:00 + 11:33
SAMPLE: 30311 GPC CLP INL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 158 2N OT)

DATA: APR22GK06 #1176
CALI: APR22GK06 #3

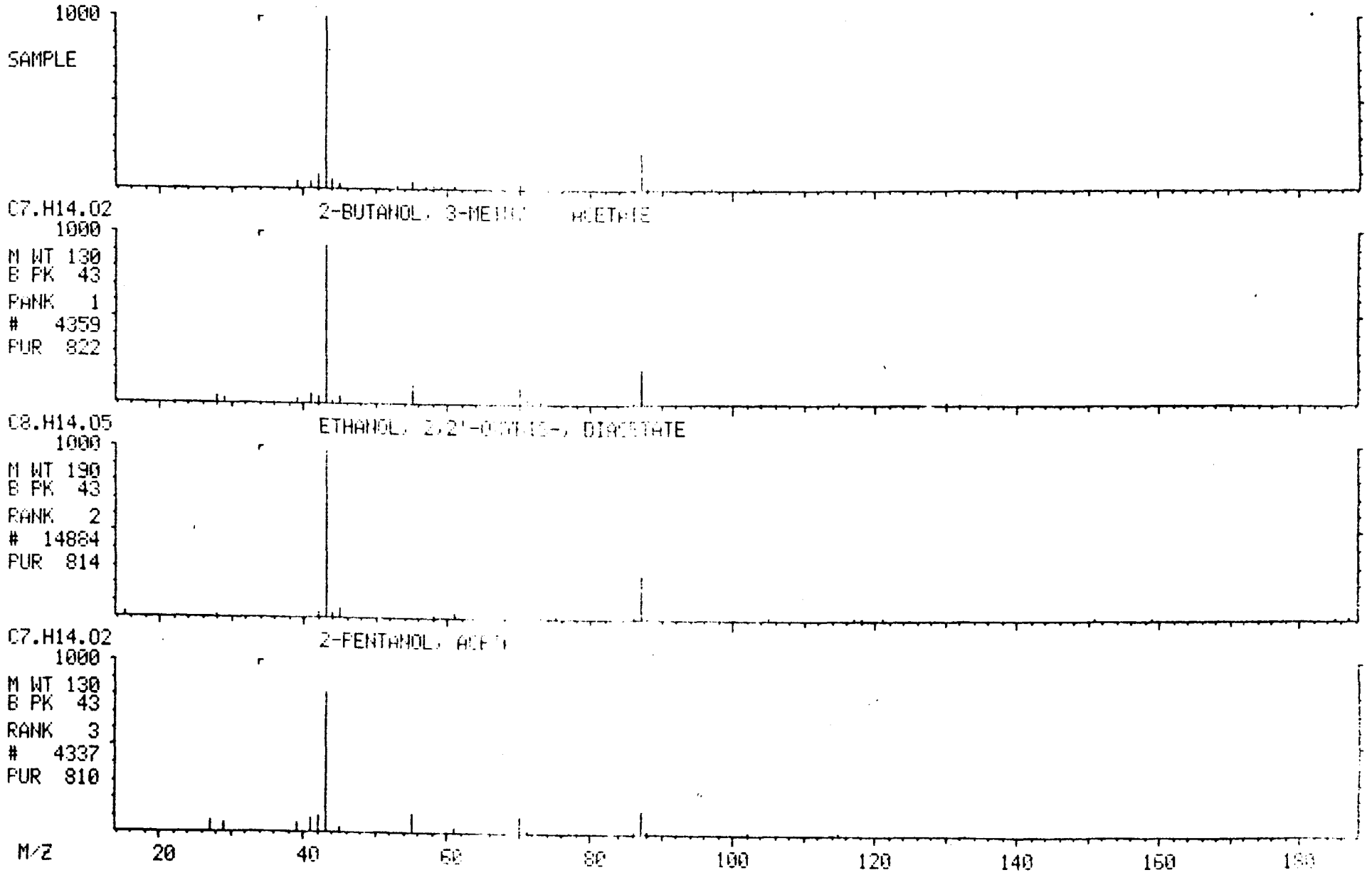
BASE M/Z: 43
RIC: 20960.



MID LIBRARY SEARCH (LIBRARY16)
04/22/91 14:23:00 + 11:39
SAMPLE: 30311 GPC [illegible]
CONDS.: 40 TO 270 C 10 DEG M.I [illegible] DB5 CAP.
ENHANCED (S 15B 2N 0T)

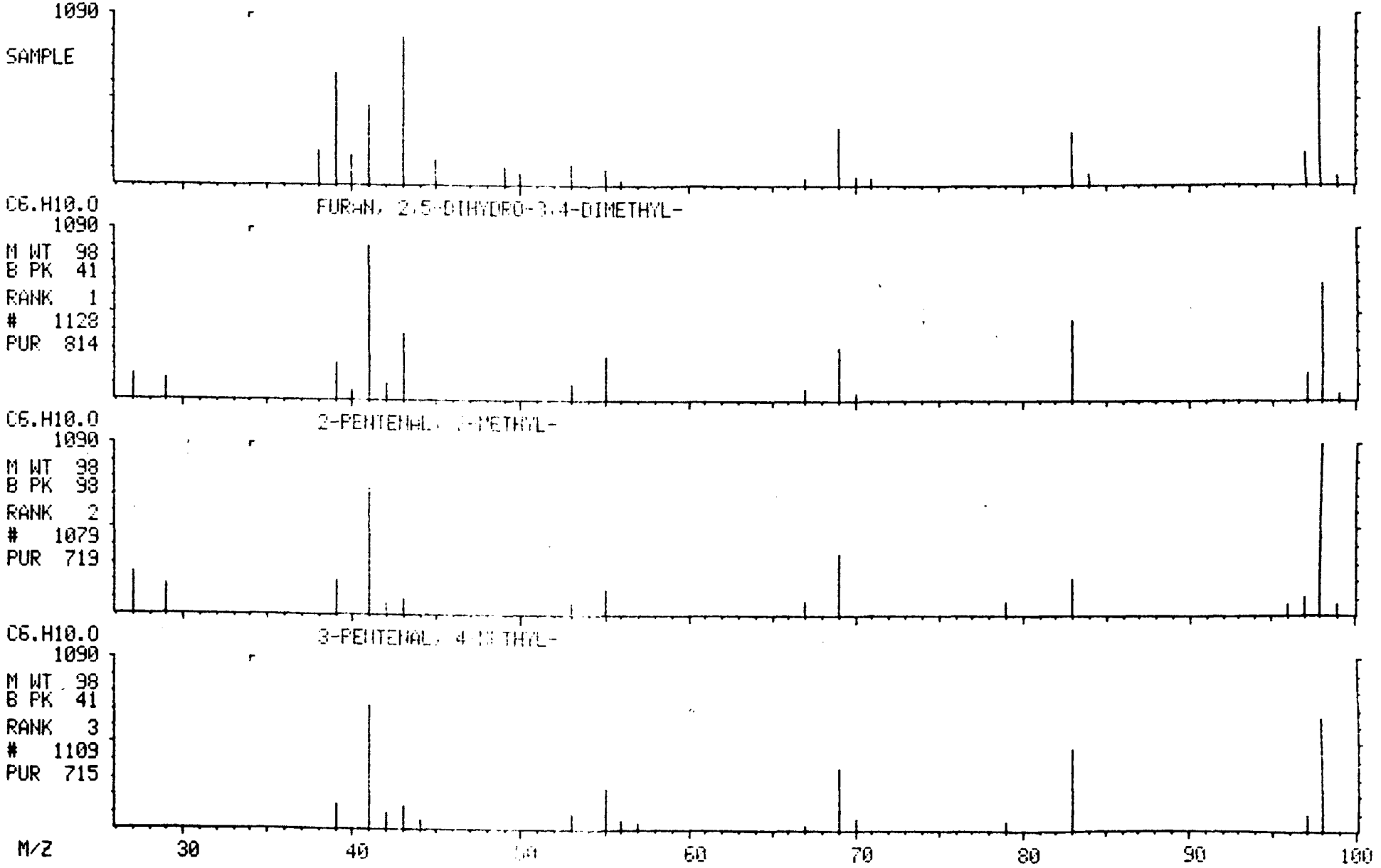
DATA: APR22GK06 #1176
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 20416.



MID LIBRARY SEARCH [illegible]
04/22/91 14:2 : [illegible]
SAMPLE: 90311 GAC [illegible] 1.0 ML
CONDS.: 40 TO 270 @ [illegible] MIN 30M DB5 CAP.
ENHANCED (S 1%8 2N 0T)

DATA: APR22GK06 #1224 BASE M/Z: 98
CALI: APR22GK06 # 3 RIC: 2400.

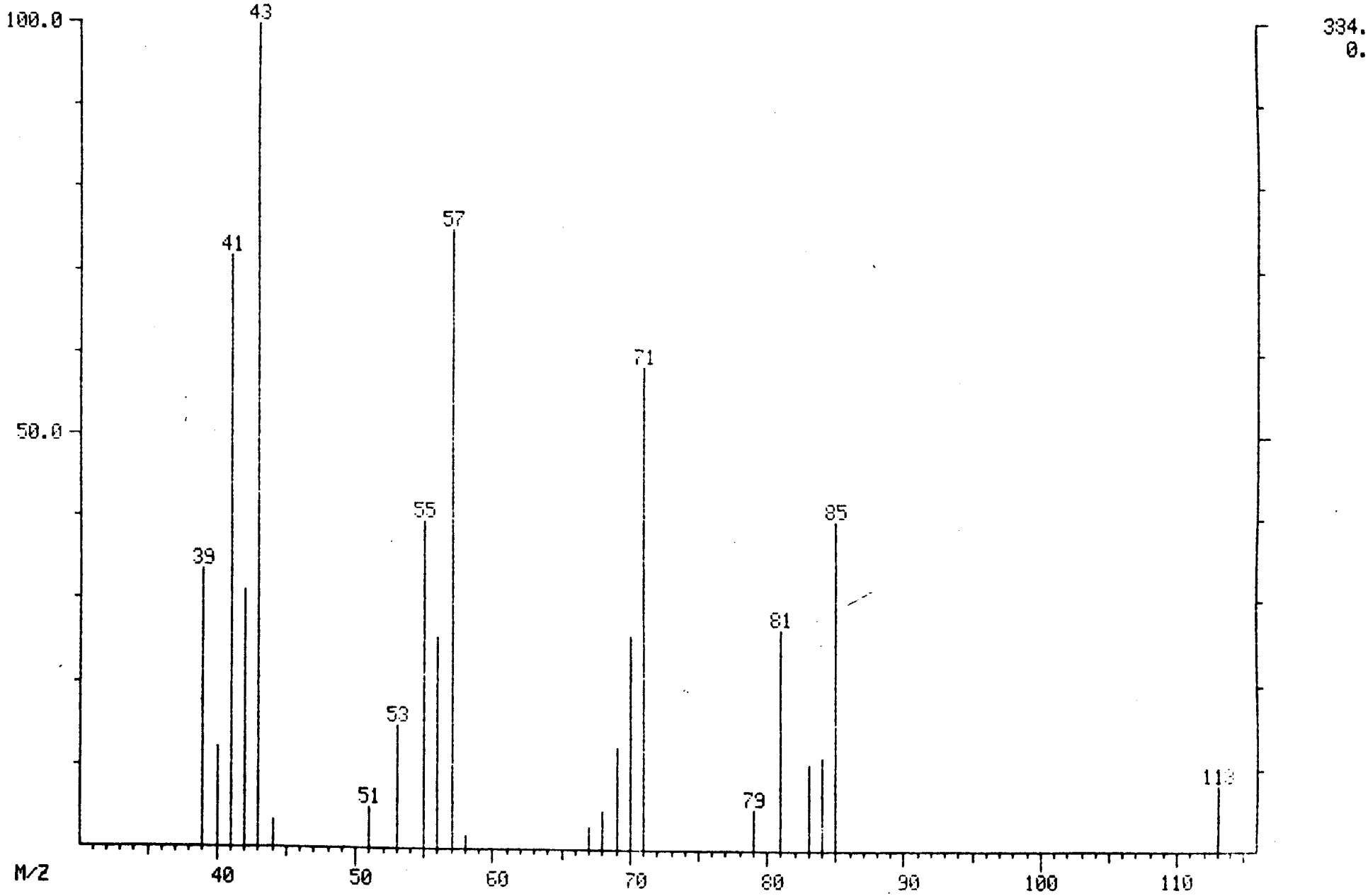


002156

MASS SPECTRUM
04/22/91 14:23:00 + 12:38
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 127 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1274
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 2392.

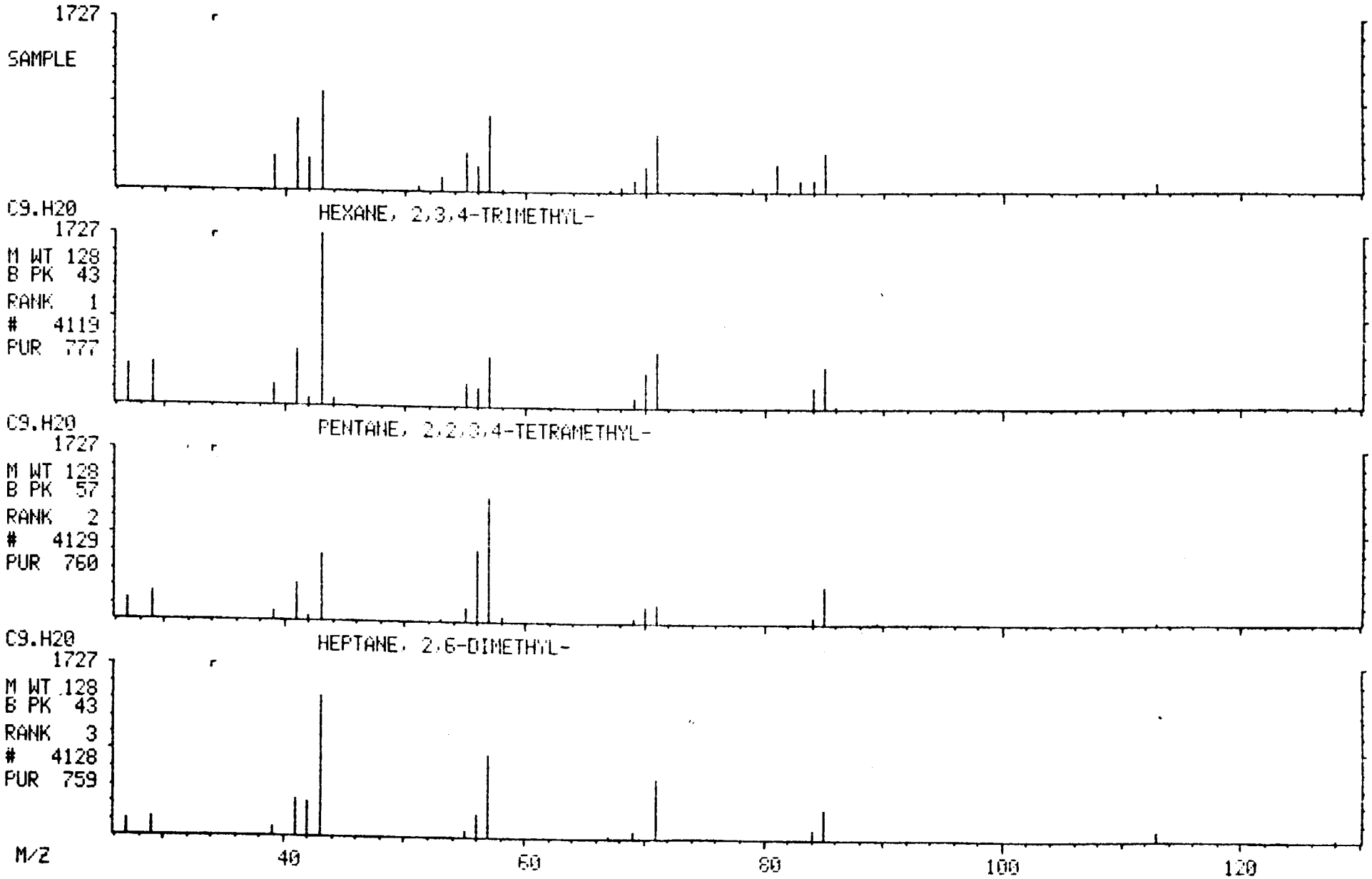


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 12:30
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1274
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 2328.

002198

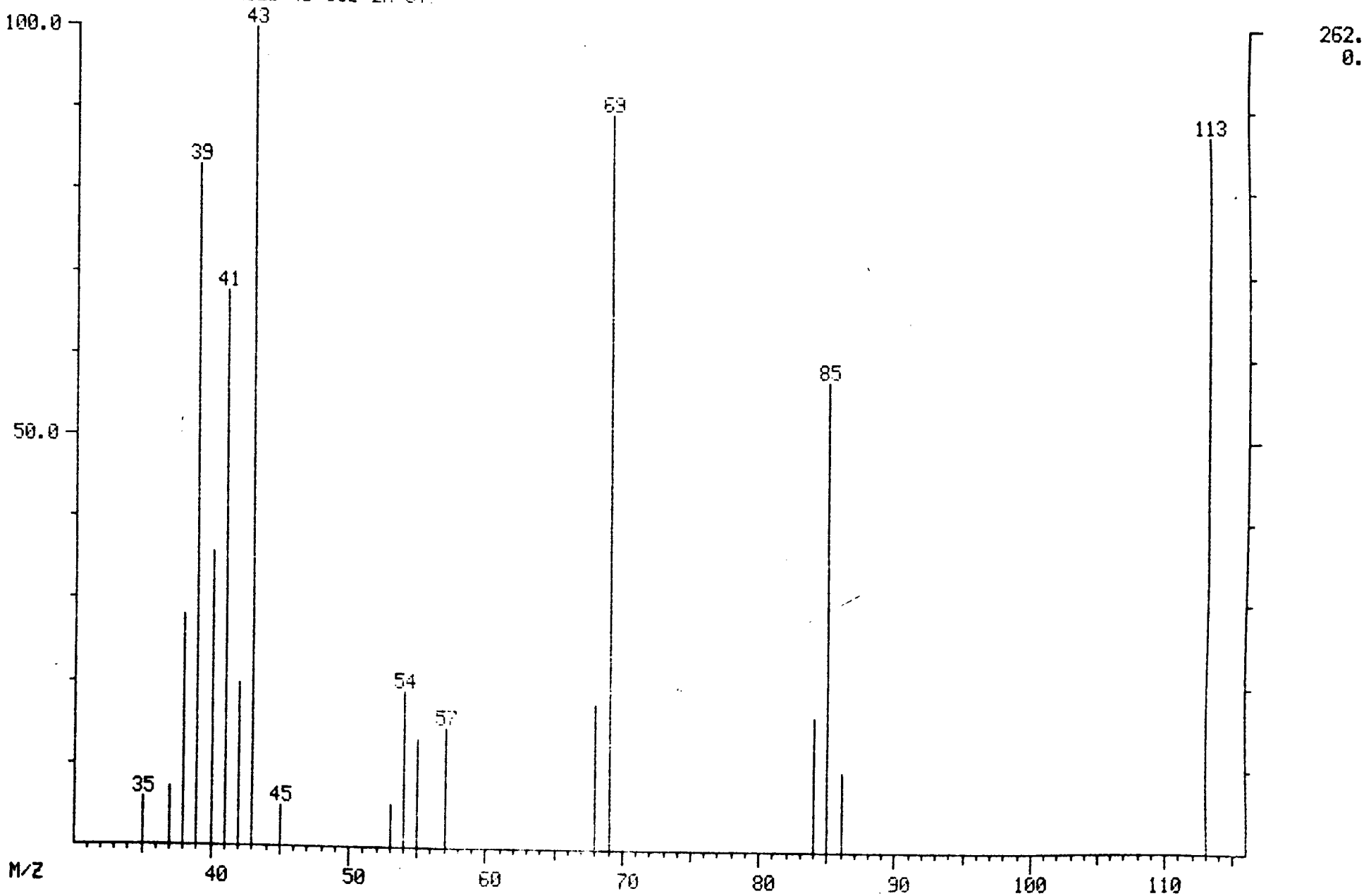


MASS SPECTRUM
04/22/91 14:23:00 + 13:20
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DBS CAP.
TEMP: 134 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1346
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 1792.

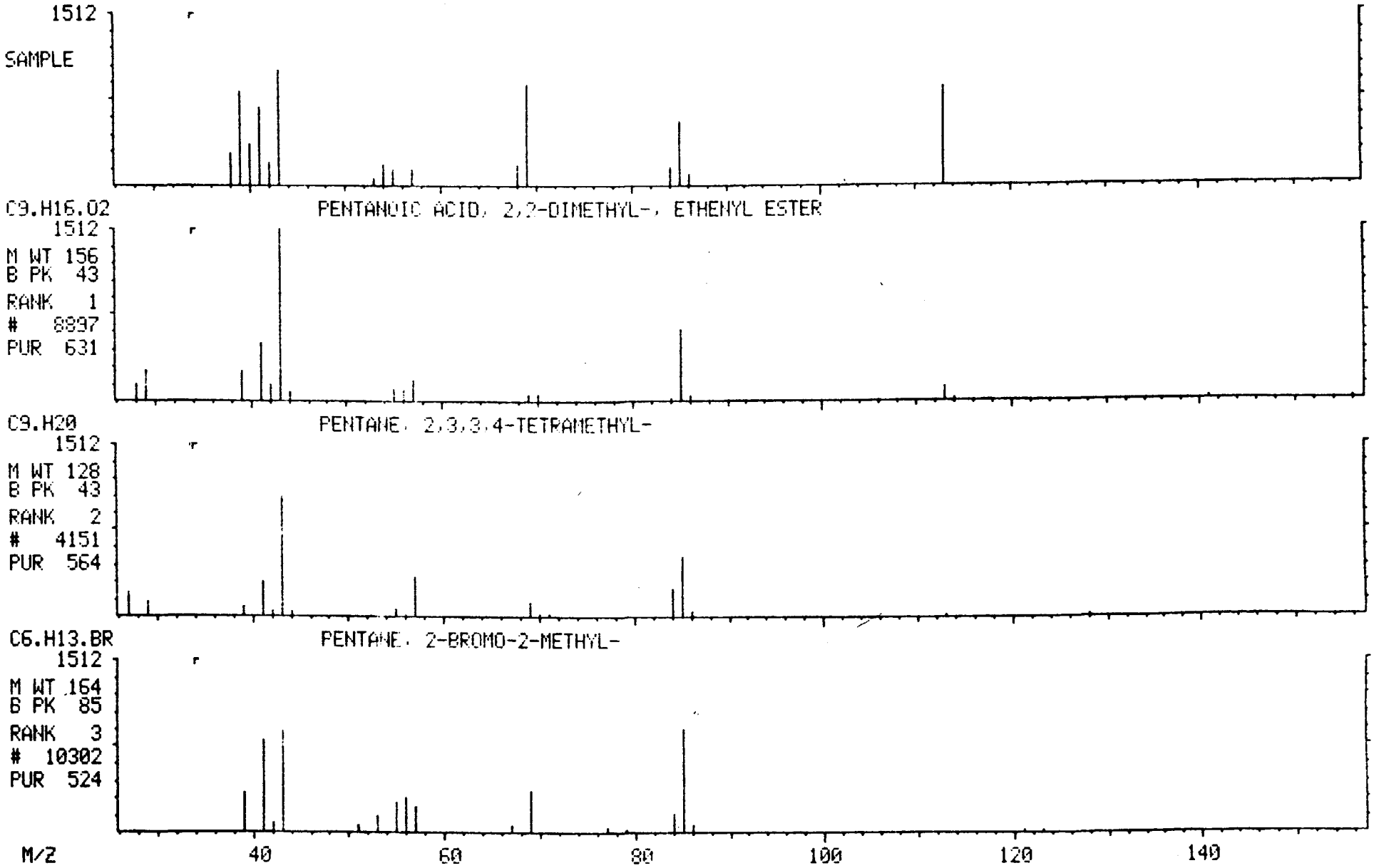
651200



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 13:20
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #1346
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 1744.

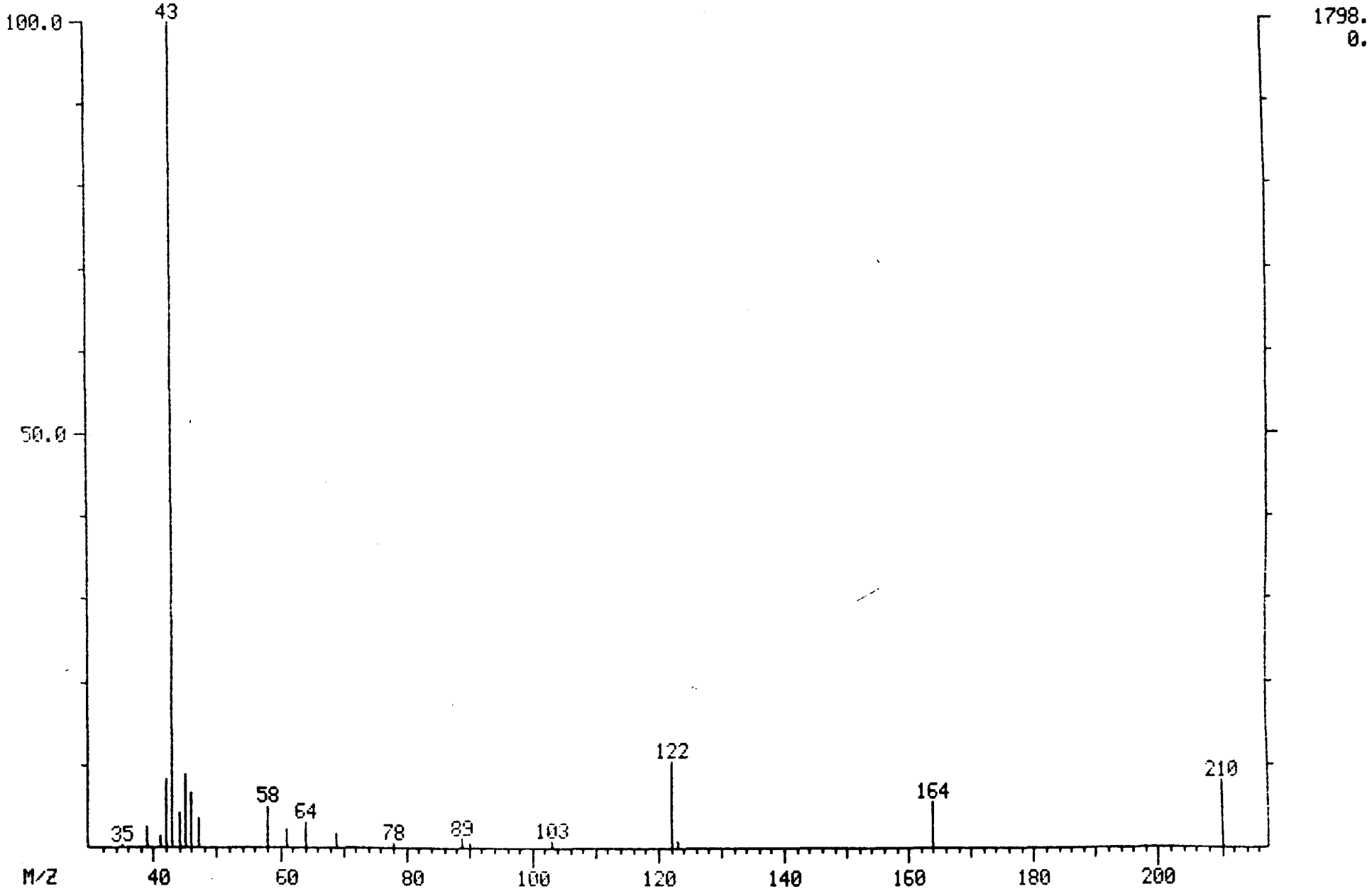


MASS SPECTRUM
04/22/91 14:23:00 + 21:44
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 219 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2192
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 3172.

00201

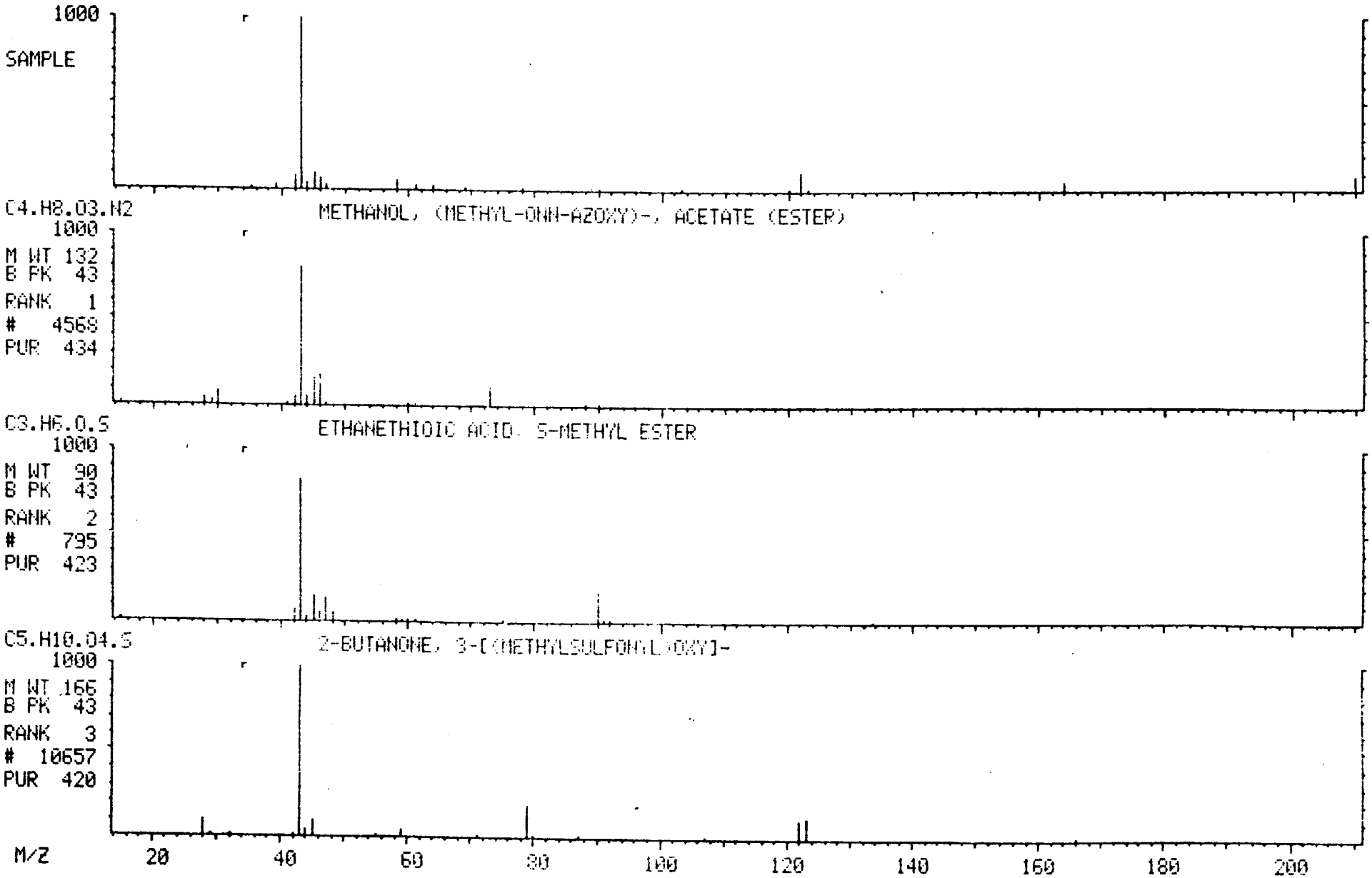


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 21:44
SAMPLE: 30911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2192
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 3144.

302200

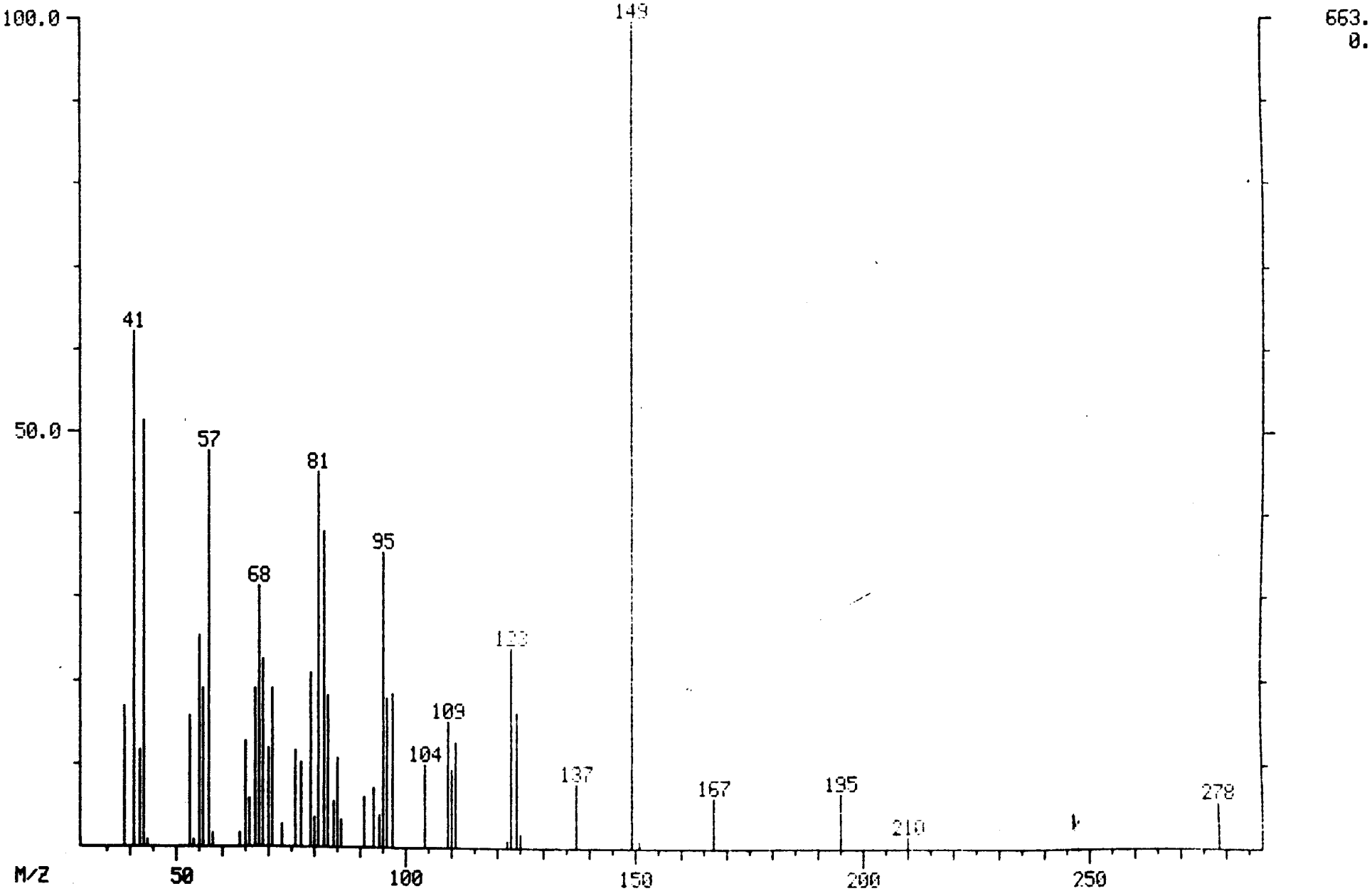


MASS SPECTRUM
04/22/91 14:23:00 + 24:00
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 242 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GA06 #2422
CALI: APR22GA06 #3

BASE M/Z: 149
RIC: 5712.

002203

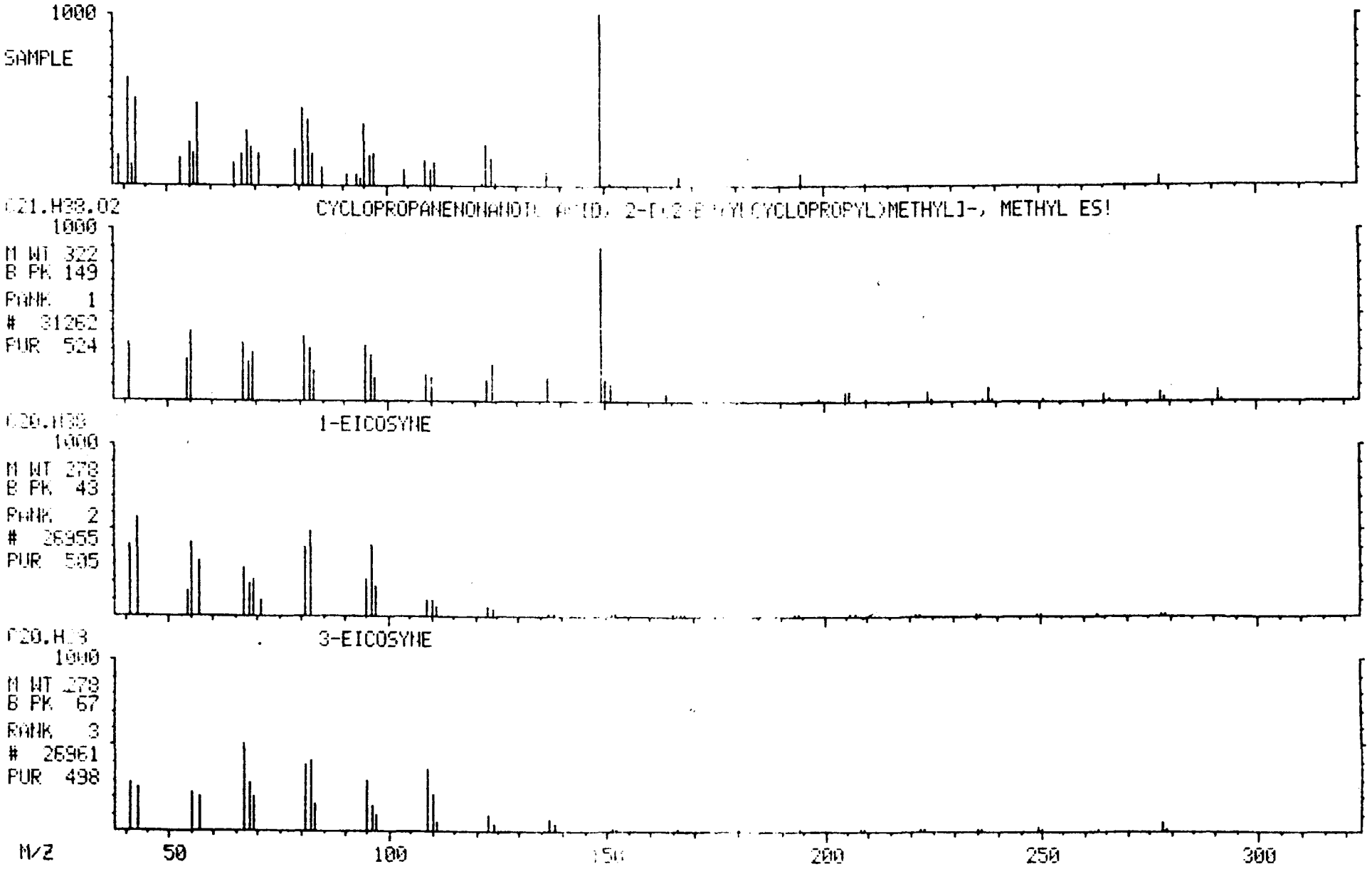


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 24:00
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2422
CALI: APR22GK06 # 3

BASE M/Z: 149
RIC: 5312.

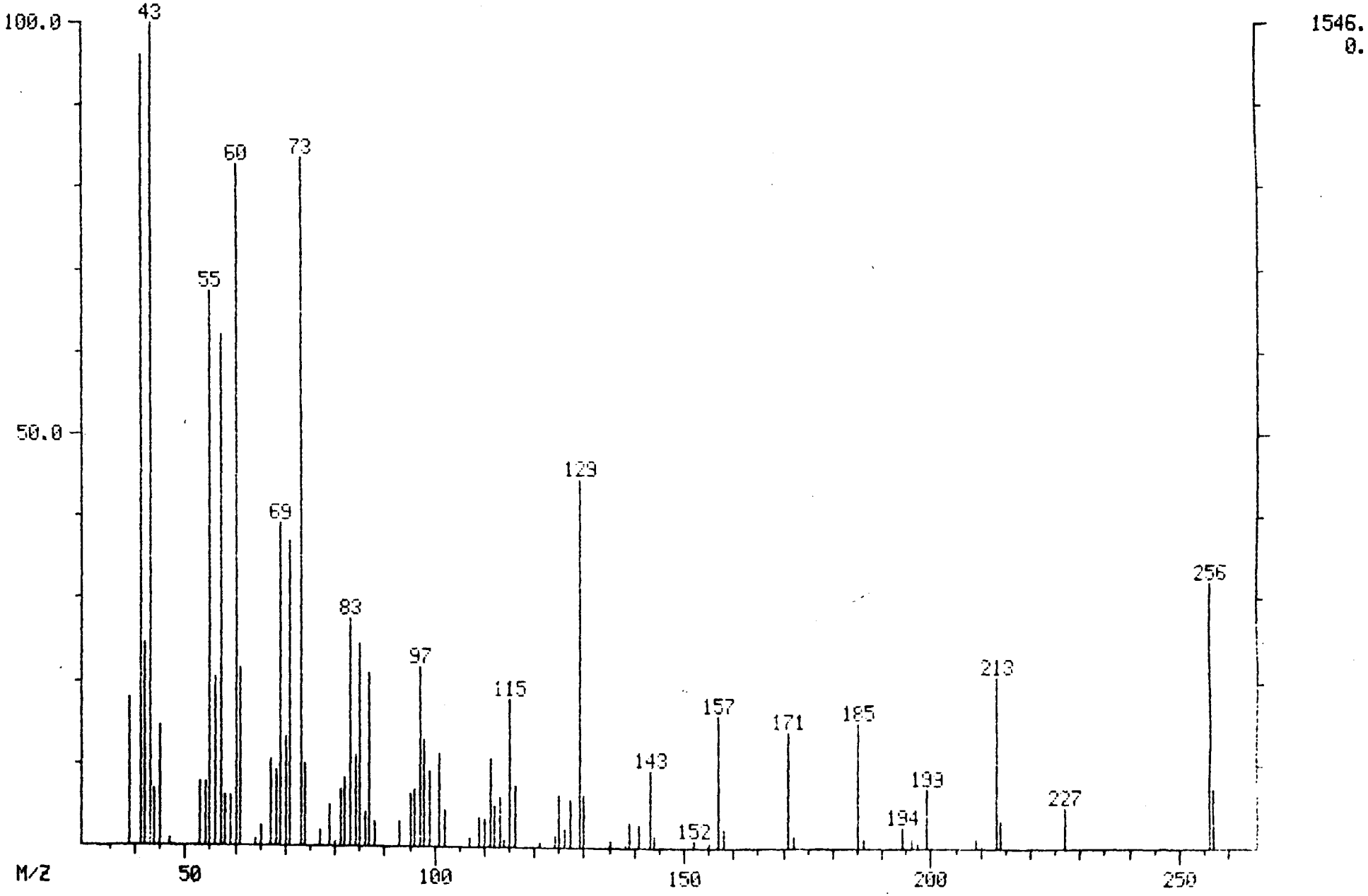
002204



MASS SPECTRUM
04/22/91 14:23:00 + 24:47
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 249 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2501
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 18784.

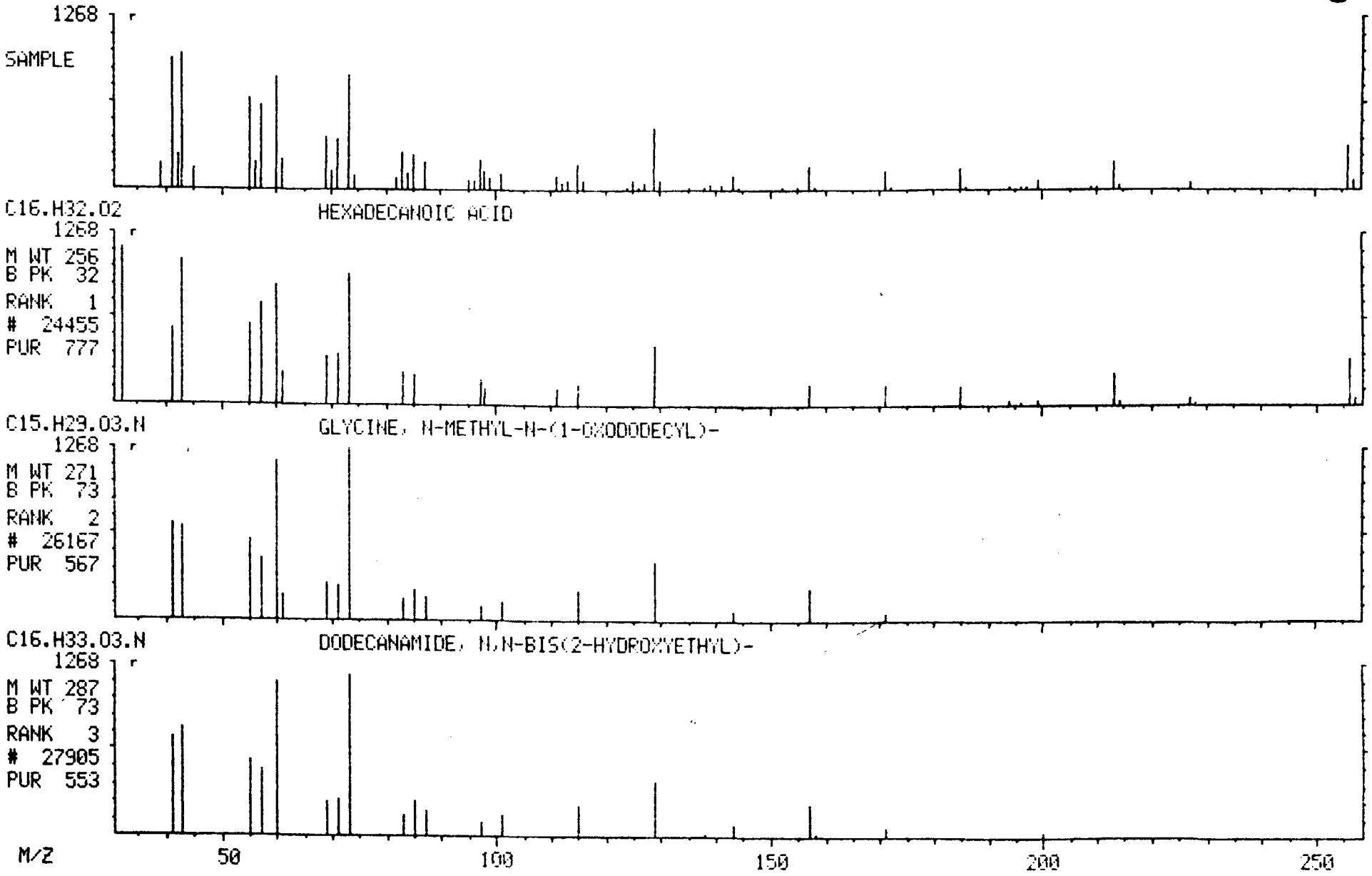


002200

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 24:47
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2501
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 17248.



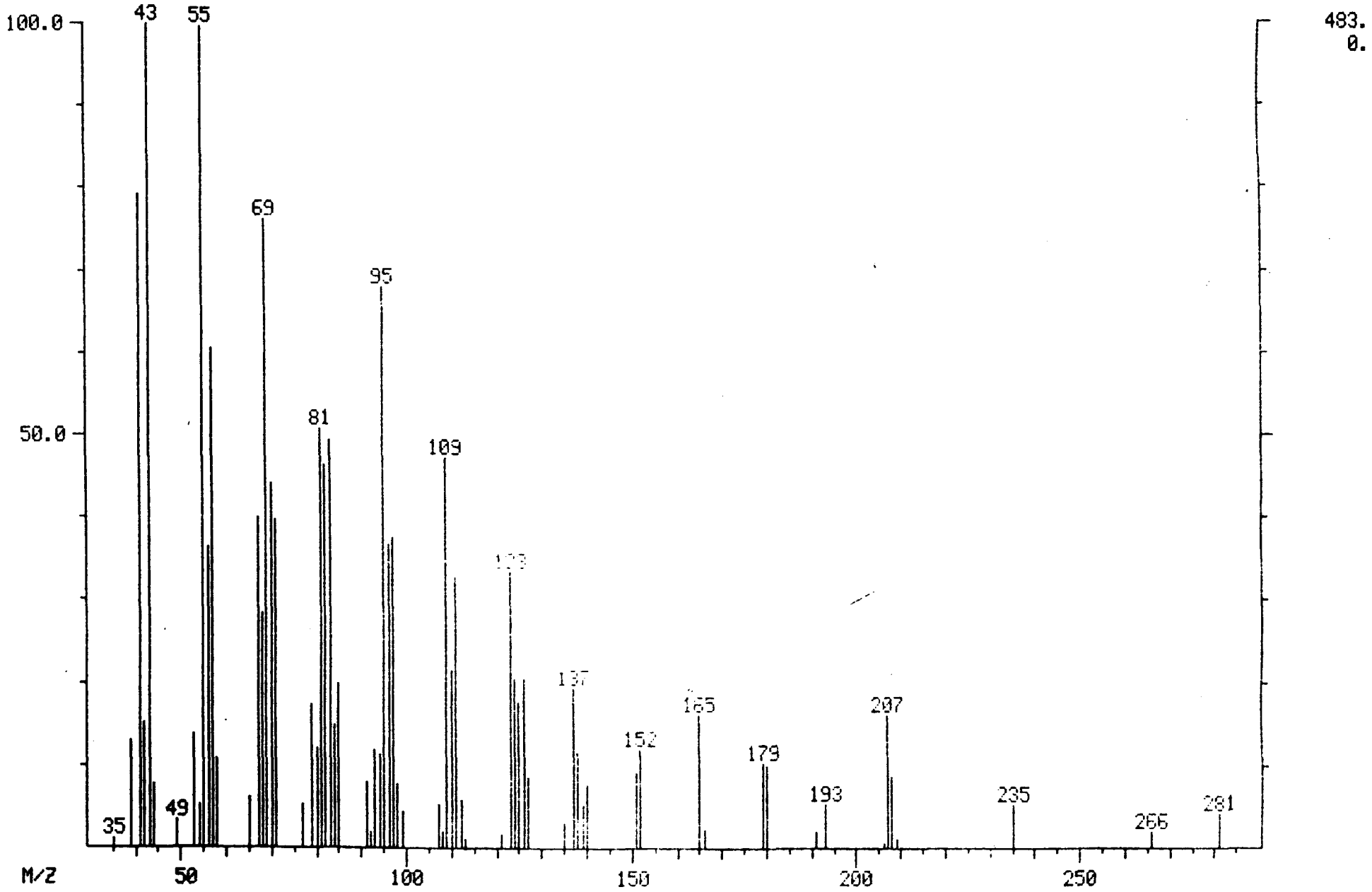
002200

MASS SPECTRUM
04/22/91 14:23:00 + 26:02
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2627
CALI: APR22GK06 #3

BASE M/Z: 43
RIC: 7048.

002207

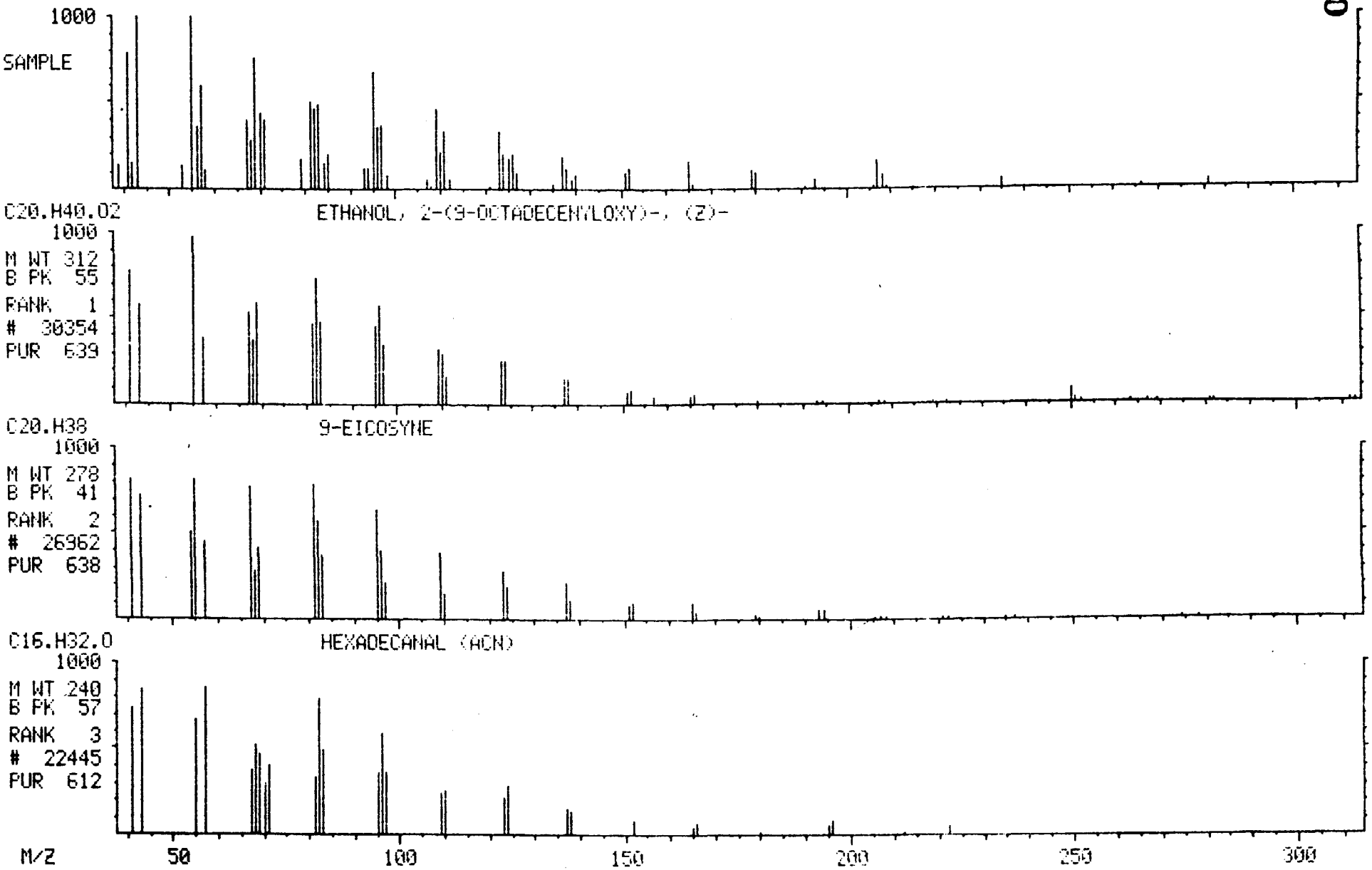


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 26:02
SAMPLE: 90911 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GL.06 #3627
CALI: APR22GL.06 # 3

BASE M/Z: 43
RIC: 6768.

002208

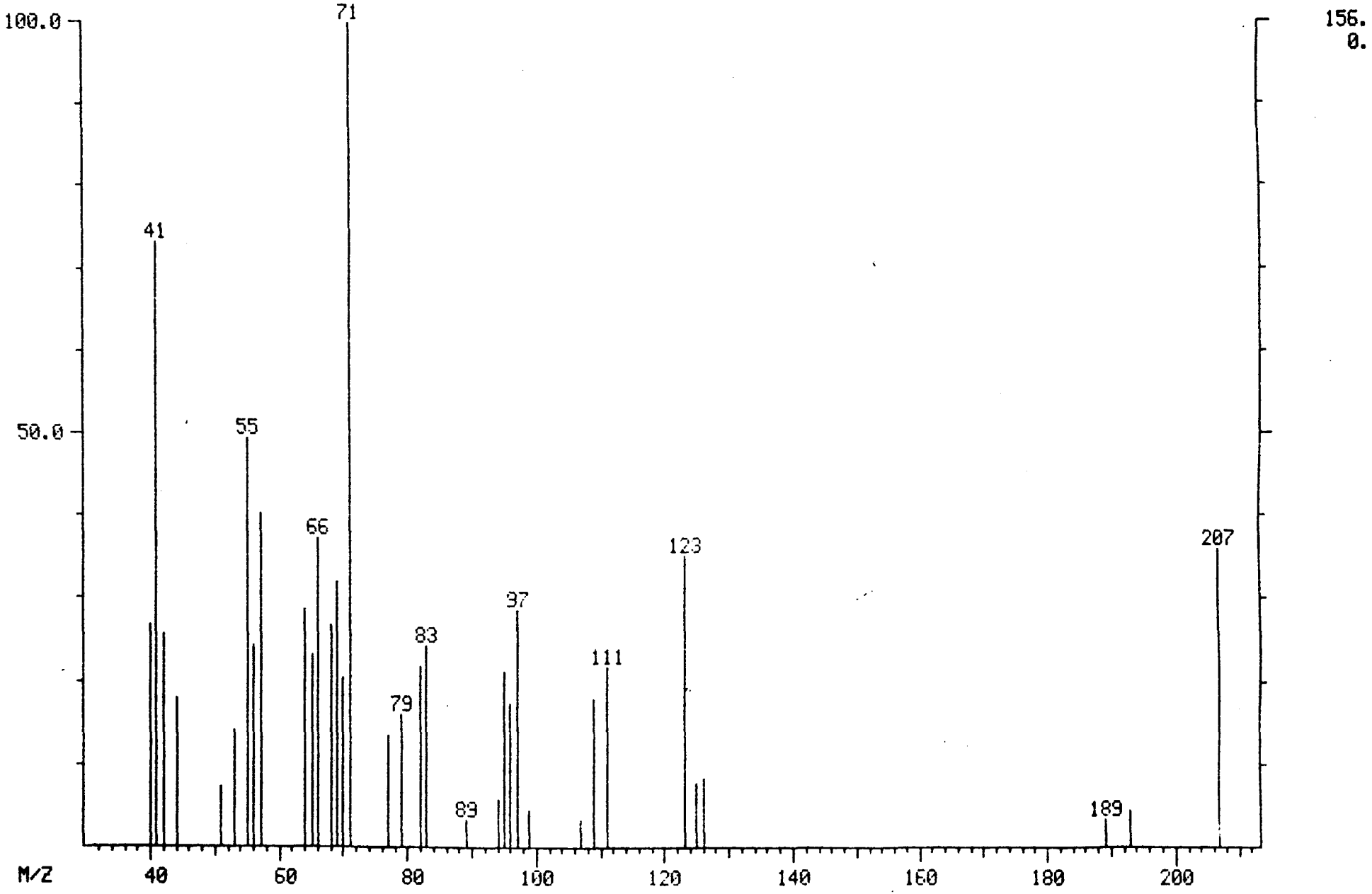


MASS SPECTRUM
04/22/91 14:23:00 + 26:31
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 267 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2676
CALI: APR22GK06 #3

BASE M/Z: 71
RIC: 1320.

002209

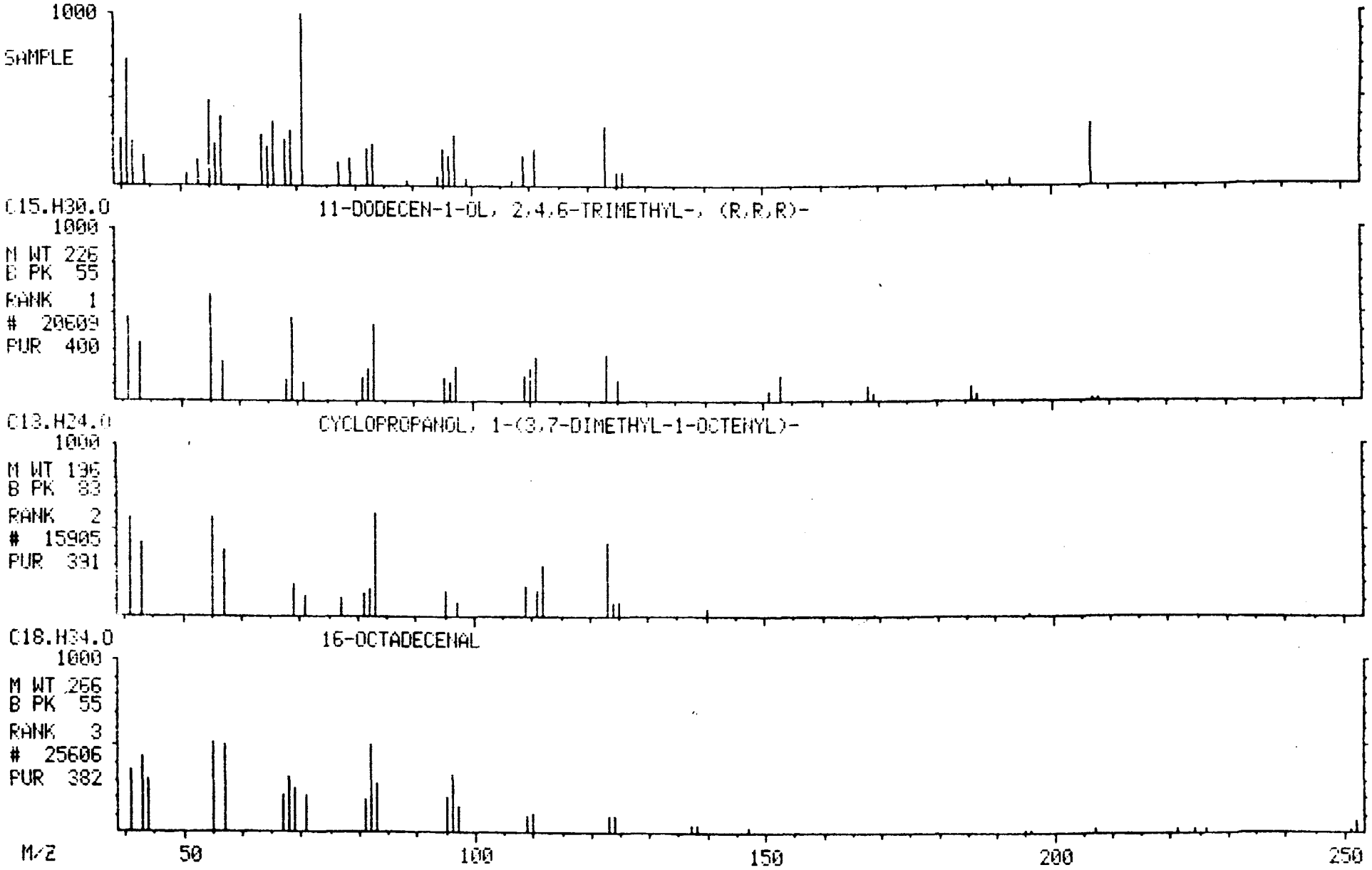


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 26:31
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2676
CALI: APR22GK06 # 3

BASE M/Z: 71
RIC: 1288.

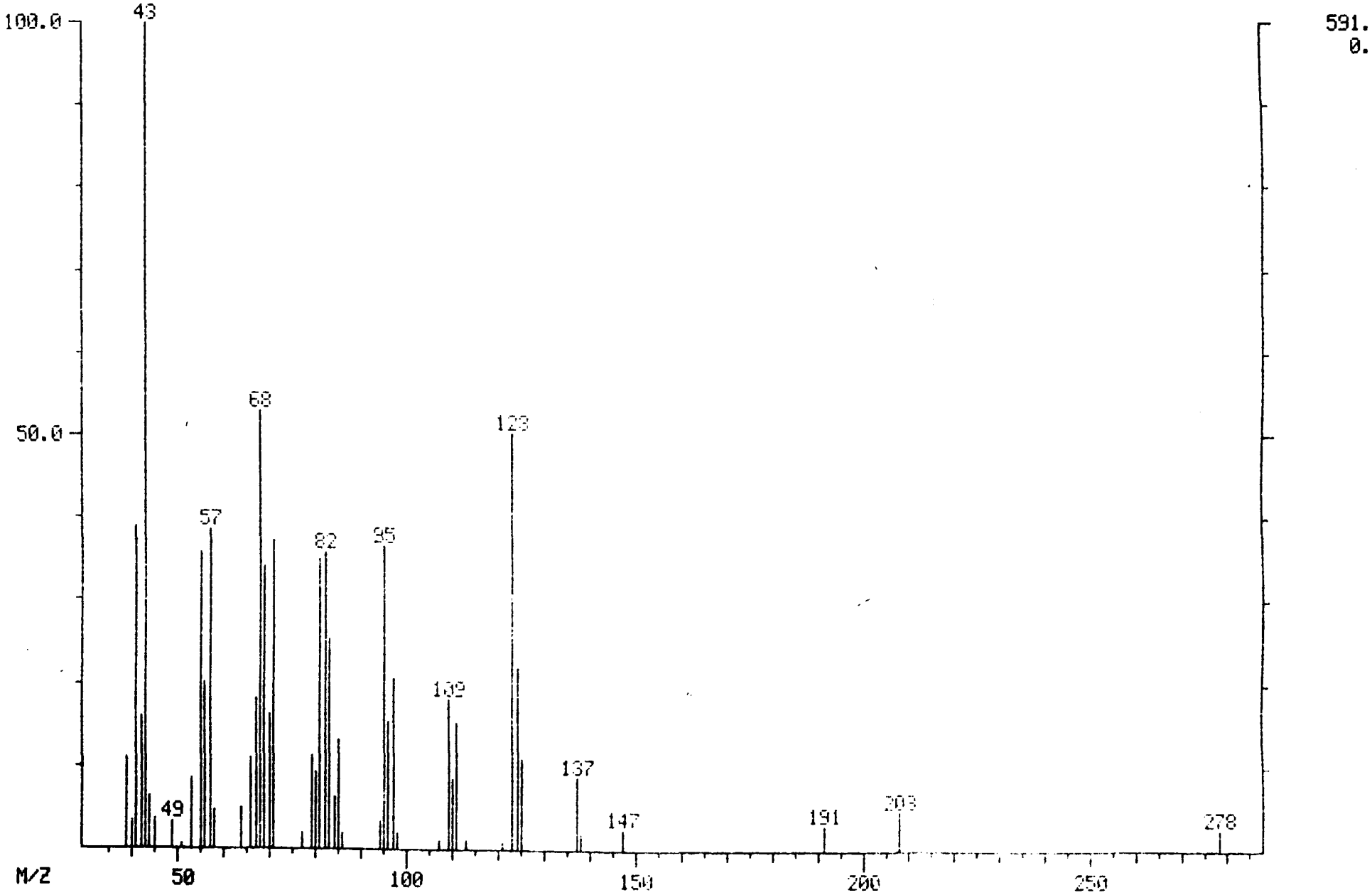
002210



MASS SPECTRUM
04/22/91 14:23:00 + 27:24
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CHP.
TEMP: 276 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: [illegible] #[illegible]
CALI: [illegible] #[illegible]

BASE M/Z: 43
RIC: 4960.

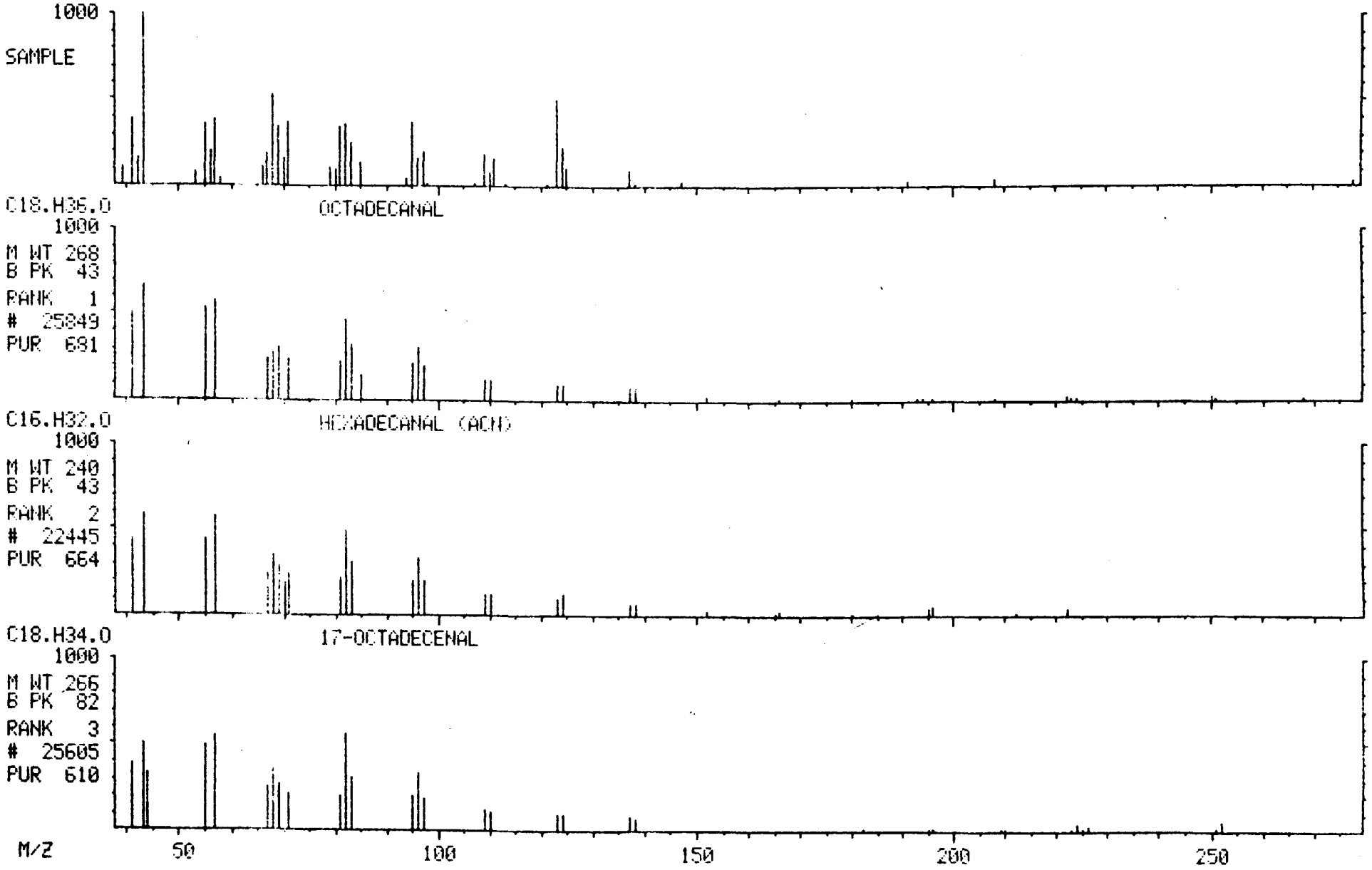


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 27:24
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #2765
CALI: APR22GK06 # 3

BASE M/Z: 43
RIC: 4768.

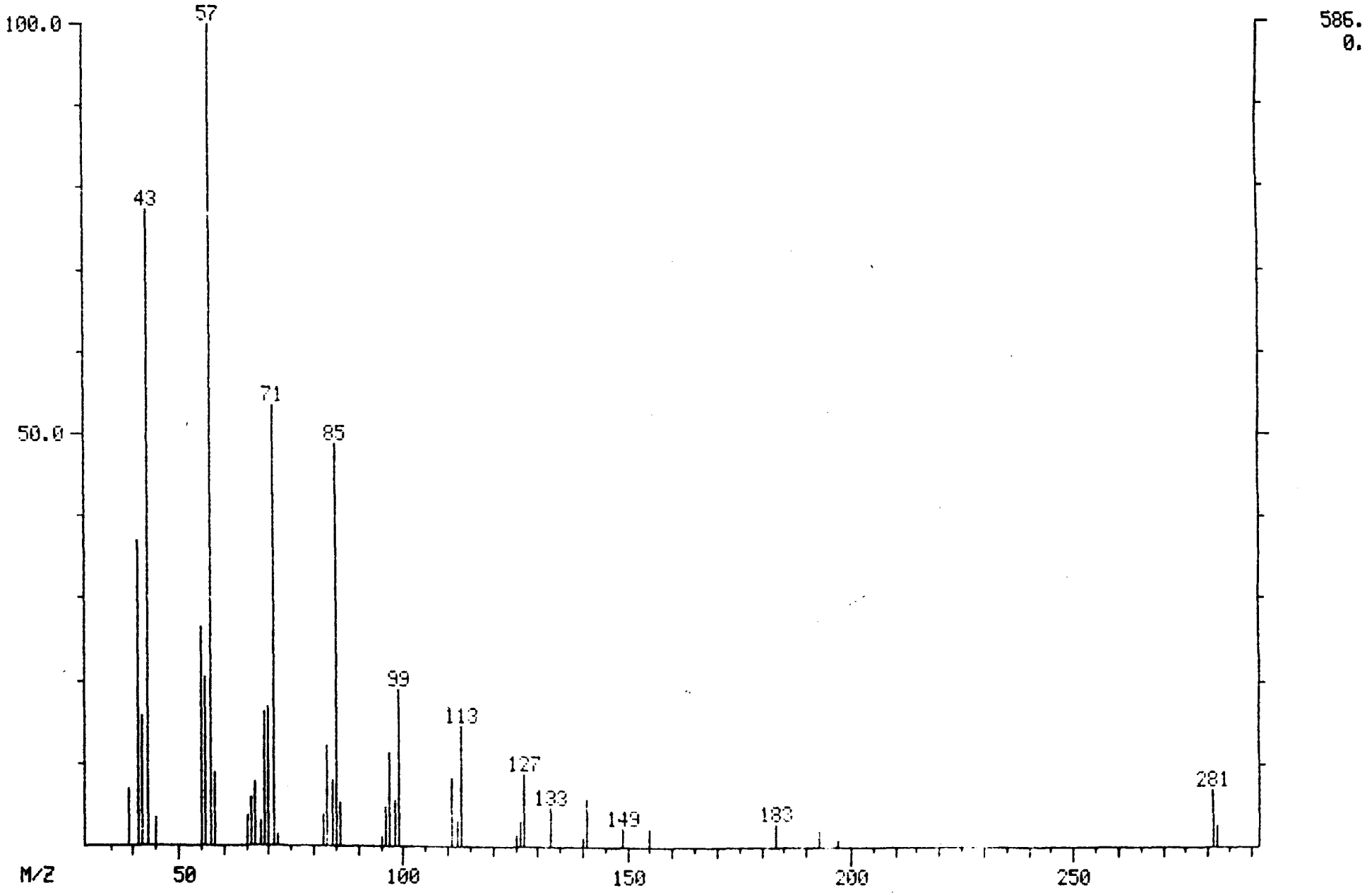
002212



MASS SPECTRUM
04/22/91 14:23:00 + 30:27
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #3072
CALI: APR22GK06 #3

BASE M/Z: 57
RIC: 3508.

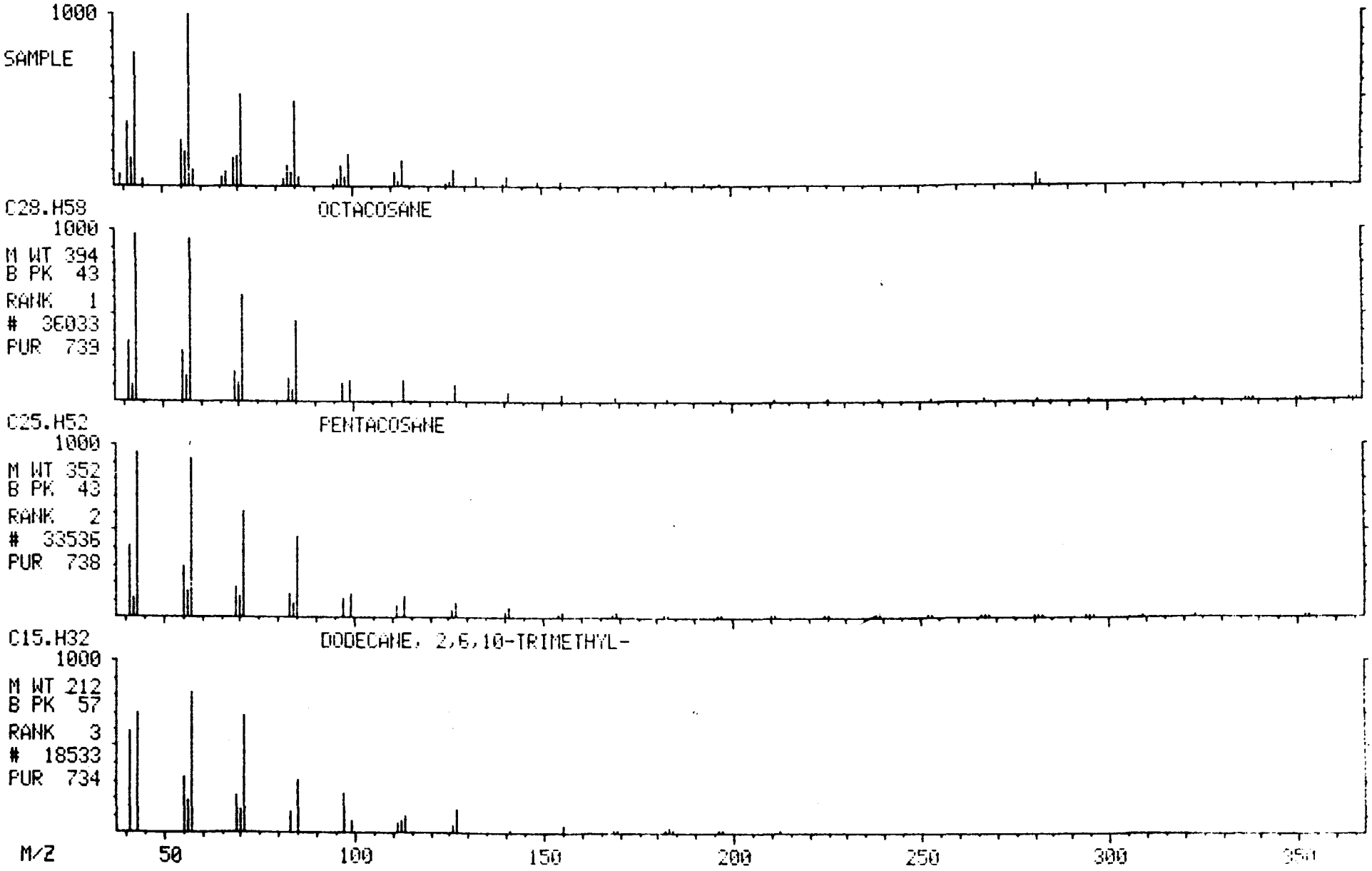


MID LIBRARY SEARCH (LIBRARYMB)
04/22/91 14:23:00 + 30:27
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #3072
CALI: APR22GK06 # 3

BASE M/Z: 57
RIC: 3460.

00221

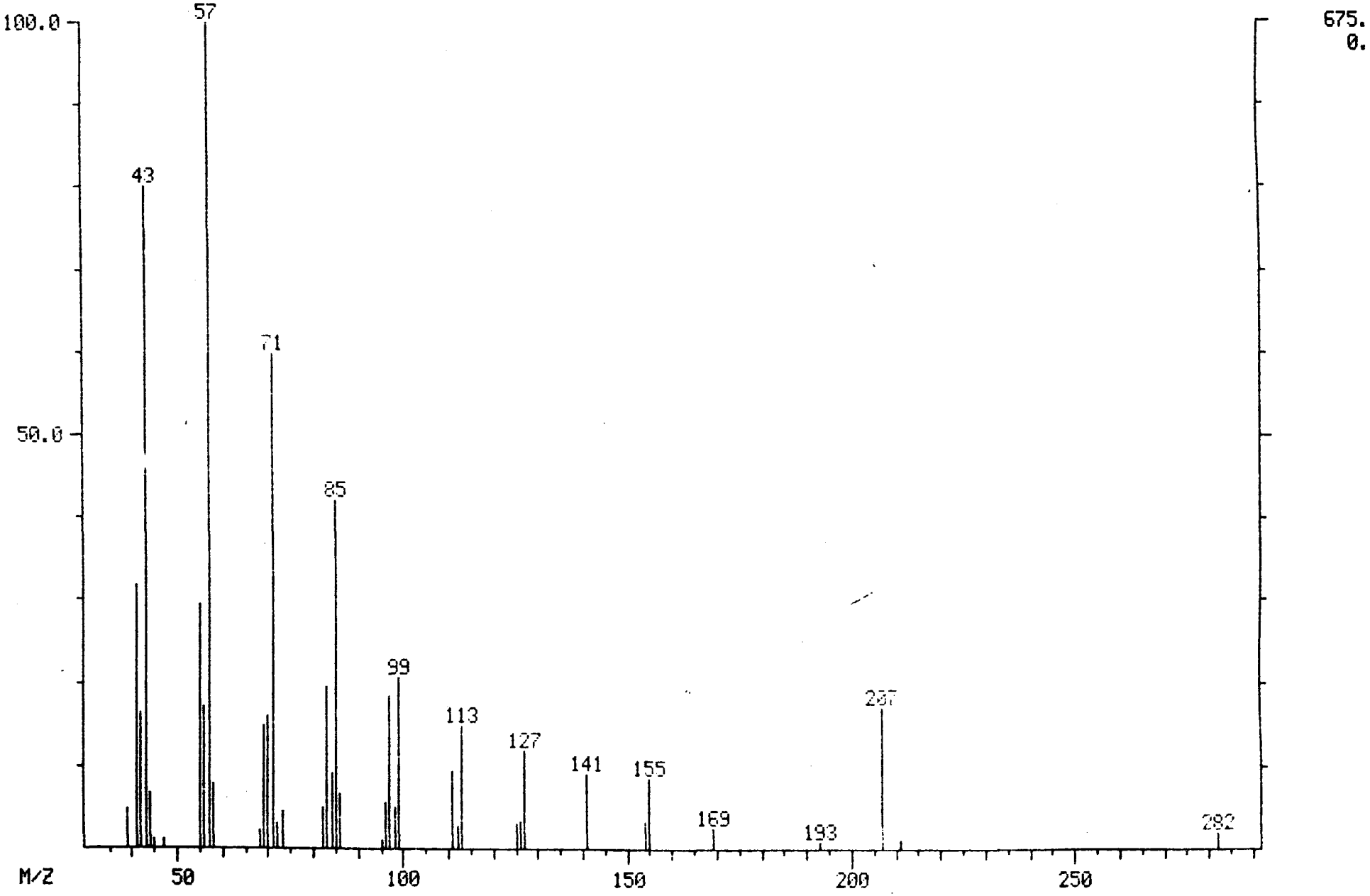


MASS SPECTRUM
04/22/91 14:23:00 + 33:43
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR2291.06 #3402
CALI: APR22GH.06 #3

BASE M/Z: 57
RIC: 4200.

002215

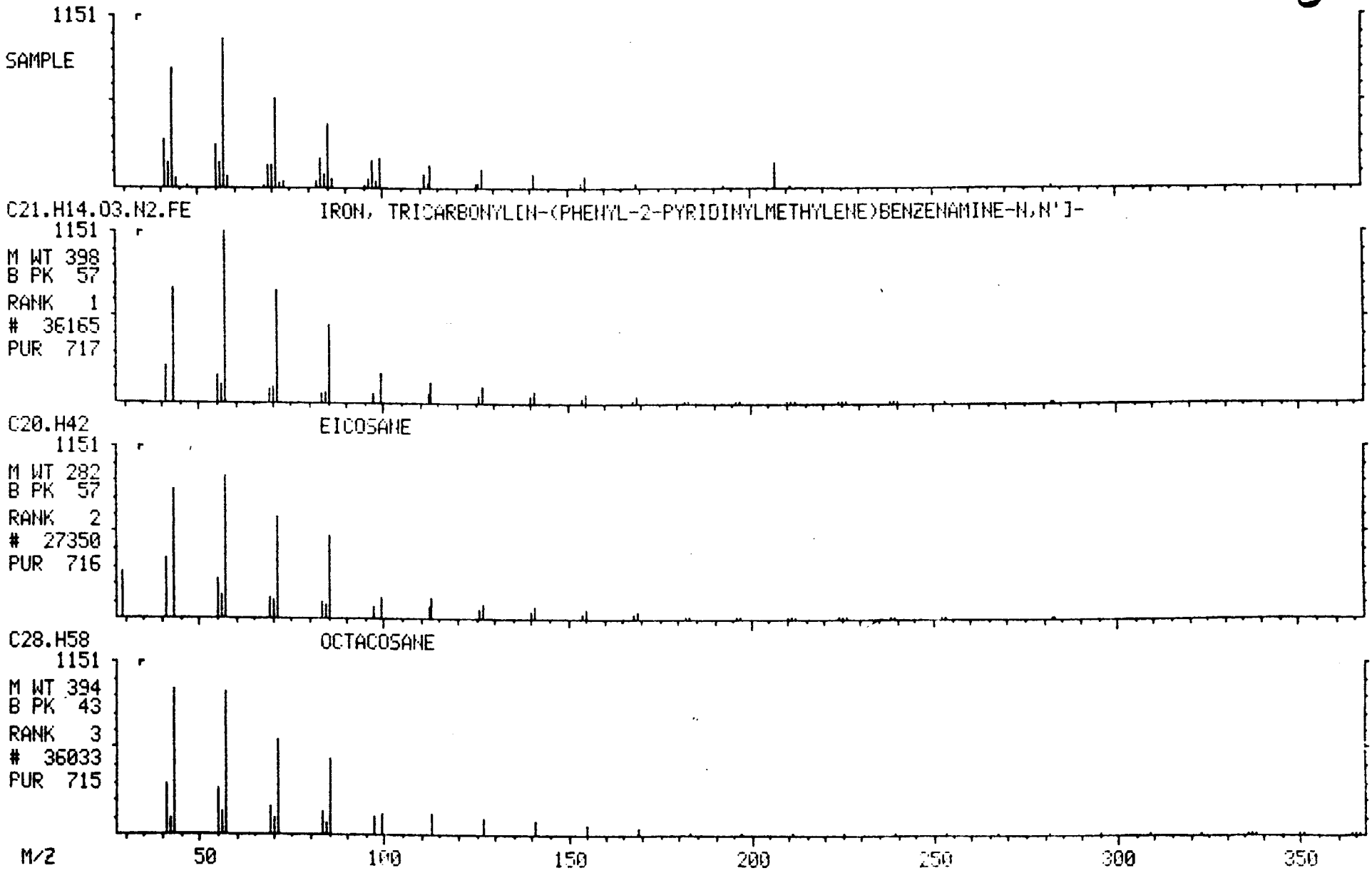


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 33:43
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GR05 #3402
CALI: APR22GR05 # 3

BASE M/Z: 57
RIC: 4168.

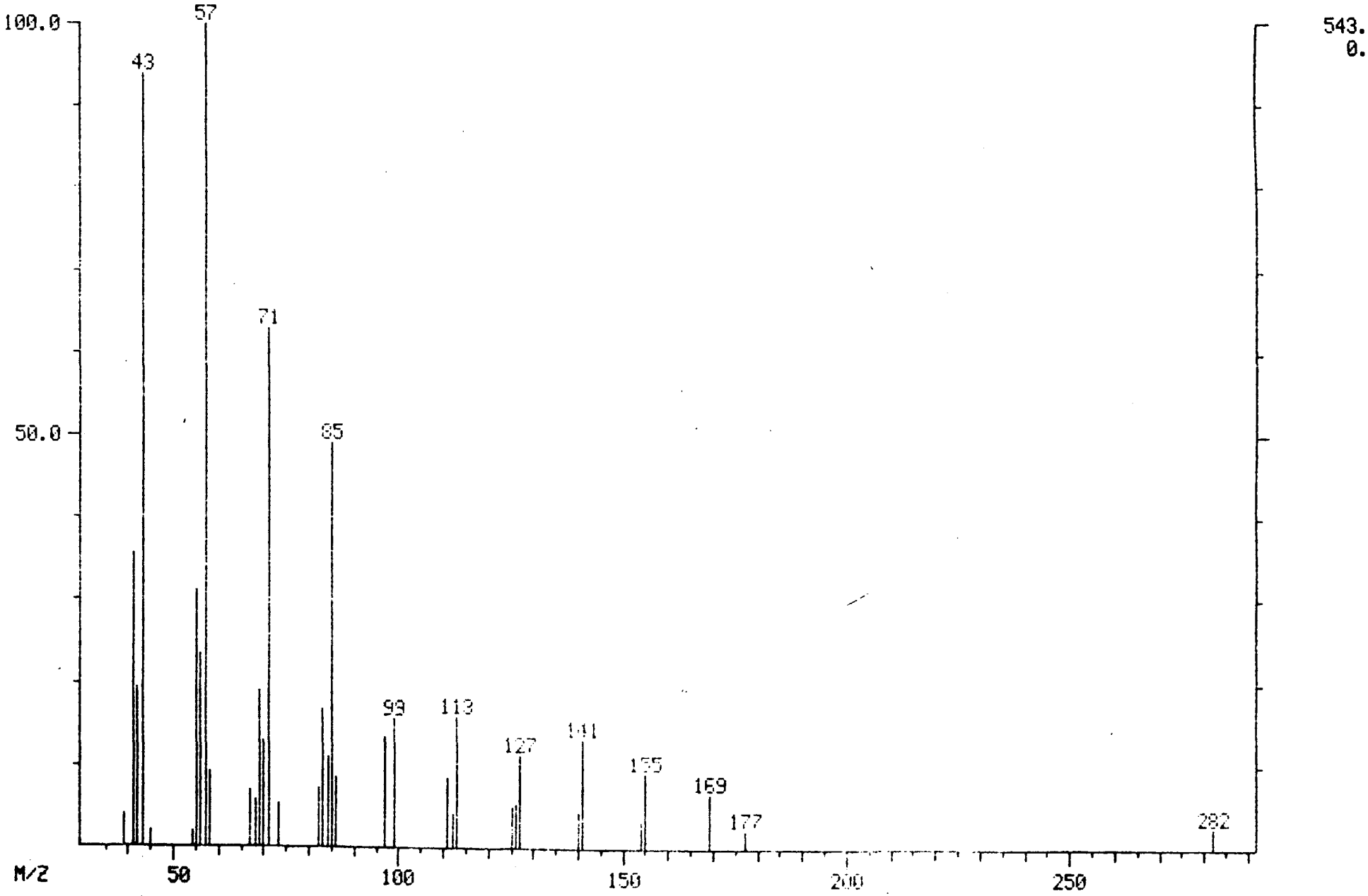
912200



MASS SPECTRUM
04/22/91 14:28:00 + 38:41
SAMPLE: 90311 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: HP2388-5 #3902
CALI: HP2CAL-5 #3

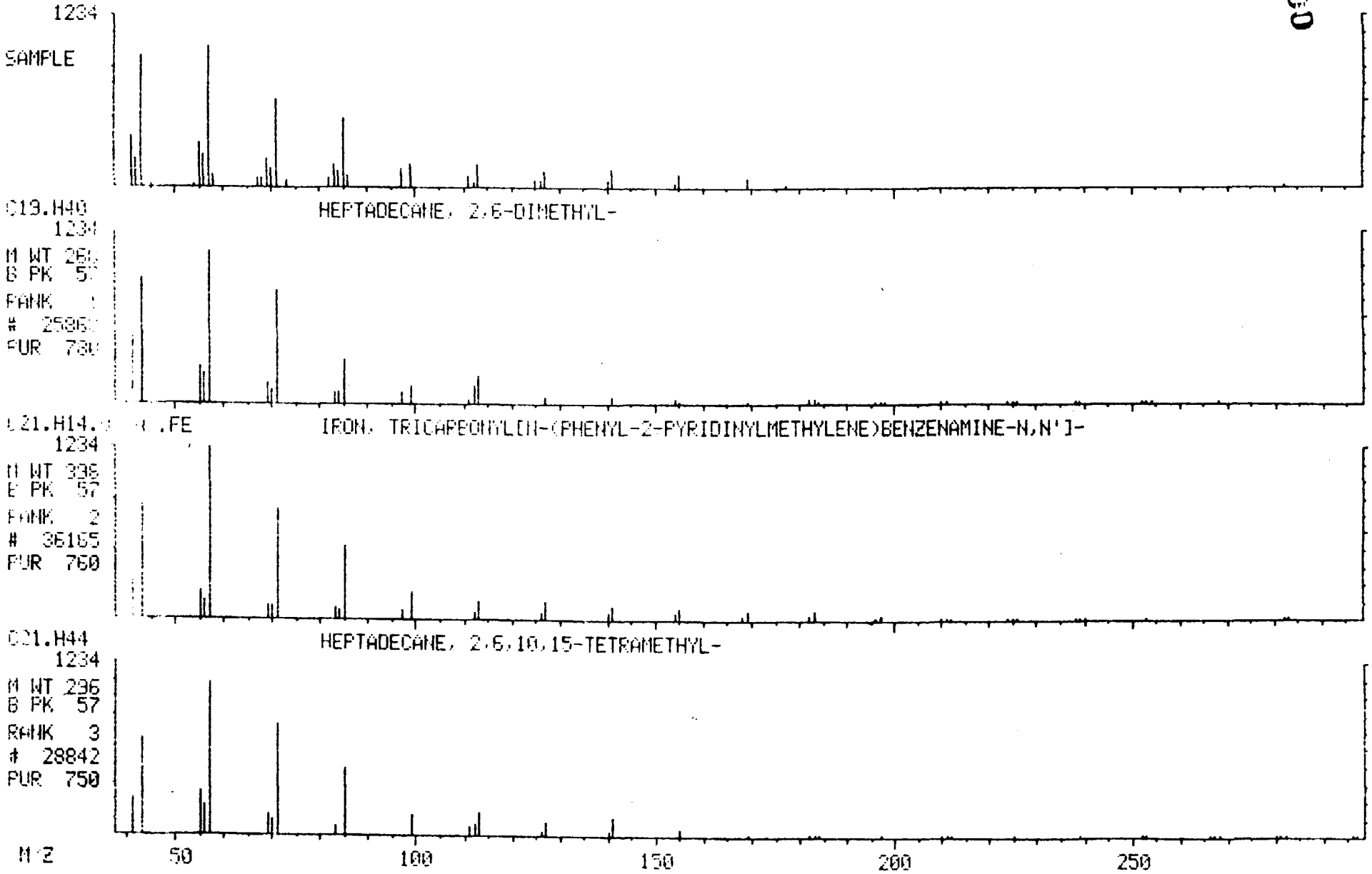
BASE M/Z: 57
RIC: 3528.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 14:23:00 + 38:41
SAMPLE: 90911 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK06 #3902
CALI: APR22GK06 # 3

BASE M/Z: 57
RIC: 3528.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1000	U
111-44-4	bis(2-Chloroethyl)Ether	1000	U
95-57-8	2-Chlorophenol	1000	U
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
100-51-6	Benzyl Alcohol	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
95-48-7	2-Methylphenol	1000	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1000	U
106-44-5	4-Methylphenol	1000	U
621-64-7	N-Nitroso-Di-n-Propylamine	1000	U
67-72-1	Hexachloroethane	1000	U
98-95-3	Nitrobenzene	1000	U
78-59-1	Isophorone	1000	U
88-75-5	2-Nitrophenol	1000	U
105-67-9	2,4-Dimethylphenol	1000	U
65-85-0	Benzoic Acid	4900	U
111-91-1	bis(2-Chloroethoxy)Methane	1000	U
120-83-2	2,4-Dichlorophenol	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U
91-20-3	Naphthalene	1000	U
106-47-8	4-Chloroaniline	1000	U
87-68-3	Hexachlorobutadiene	1000	U
59-50-7	4-Chloro-3-Methylphenol	1000	U
91-57-6	2-Methylnaphthalene	1000	U
77-47-4	Hexachlorocyclopentadiene	1000	U
88-06-2	2,4,6-Trichlorophenol	1000	U
95-95-4	2,4,5-Trichlorophenol	4900	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	4900	U
131-11-3	Dimethyl Phthalate	1000	U
208-96-8	Acenaphthylene	1000	U
606-20-2	2,6-Dinitrotoluene	1000	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	4900	U
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	4900	U
100-02-7	4-Nitrophenol	4900	U
132-64-9	Dibenzofuran	1000	U
121-14-2	2,4-Dinitrotoluene	1000	U
84-66-2	Diethylphthalate	1000	U
7005-72-3	4-Chlorophenyl-phenylether	1000	U
86-73-7	Fluorene	1000	U
100-10-6	4-Nitroaniline	4900	U
534-52-1	4,6-Dinitro-2-Methylphenol	4900	U
86-30-6	N-Nitrosodiphenylamine (1)	1000	U
101-55-3	4-Bromophenyl-phenylether	1000	U
118-74-1	Hexachlorobenzene	1000	U
87-86-5	Pentachlorophenol	4900	U
85-01-8	Phenanthrene	1000	U
120-12-7	Anthracene	1000	U
84-74-2	Di-n-Butylphthalate	1000	U
206-44-0	Fluoranthene	1000	U
129-00-0	Pyrene	1000	U
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	2000	U
56-55-3	Benzo(a)Anthracene	1000	U
218-01-9	Chrysene	1000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	1000	U
117-84-0	Di-n-Octyl Phthalate	1000	U
205-99-2	Benzo(b)Fluoranthene	1000	U
207-08-9	Benzo(k)Fluoranthene	1000	U
50-32-8	Benzo(a)Pyrene	1000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1000	U
53-70-3	Dibenz(a,h)Anthracene	1000	U
191-24-2	Benzo(g,h,i)Perylene	1000	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X114

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190912

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19VG02

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. 35 dec. _____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: 6.0 Dilution Factor: 1.0

Number TICs found: 12

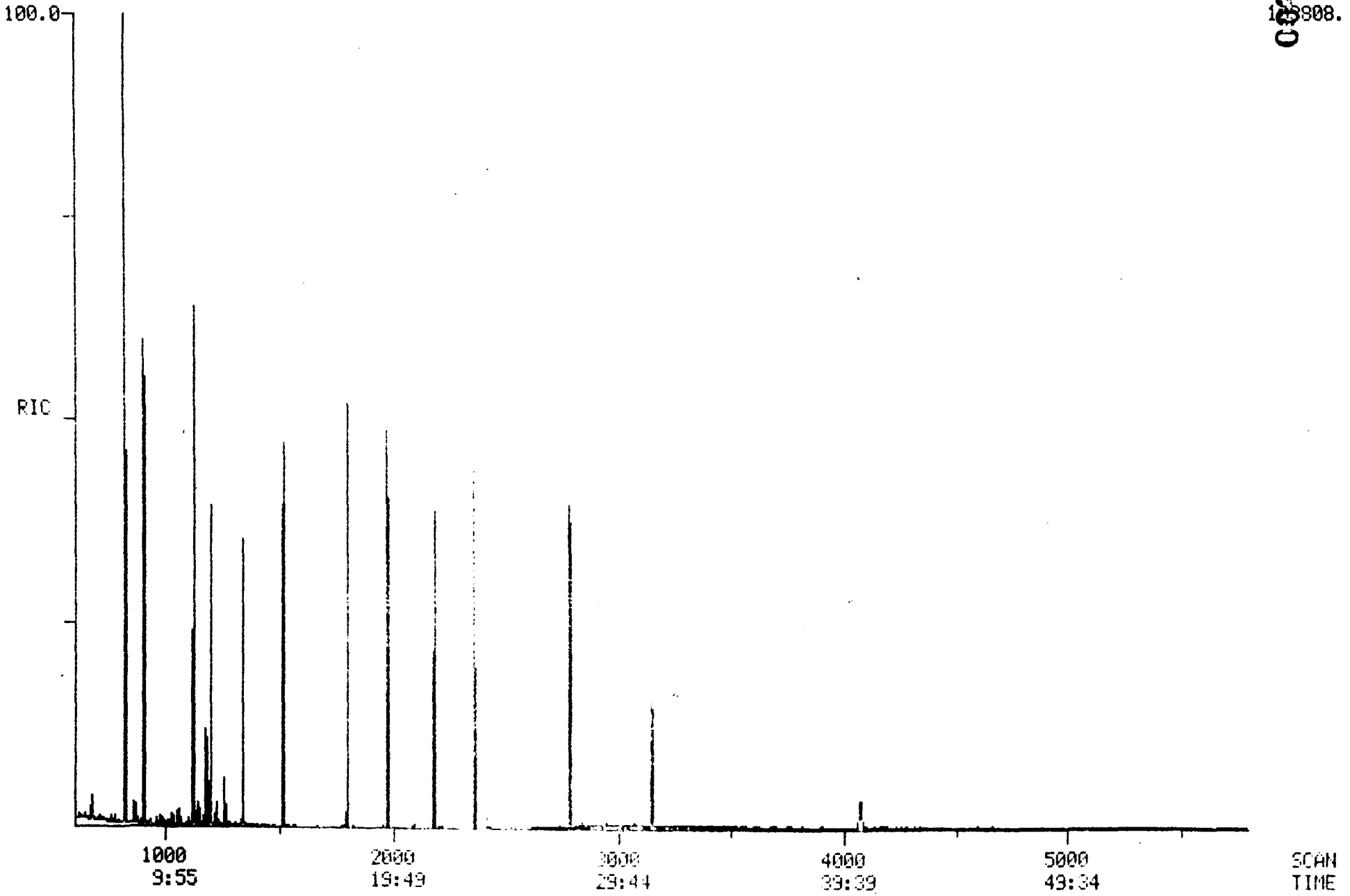
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.70	130	BJ
2.	UNKNOWN	7.57	40	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.13	4500	BAJ
4.	UNKNOWN	8.57	120	BJ
5.	UNKNOWN ALIP. HYDROCARBON	8.70	32	BJ
6.	UNKNOWN	10.19	92	BJ
7.	UNKNOWN	10.45	74	BJ
8.	UNKNOWN	10.57	37	J
9.	UNKNOWN	11.24	68	BJ
10.	UNKNOWN	11.67	460	BJ
11.	UNKNOWN	12.15	120	BJ
12.	UNKNOWN	12.49	270	BJ

X 114

RIC
04/19/91 18:20:00
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DBS CAP.
RANGE: G 1,5800 LABEL: N 0, 4.0 CURV: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR1 [illegible]2 #1 SCANS 600 TO 5800
CAL: APR1 [illegible]2 #3



022230

```
4/19/91     18:20:54
    Acquisition started


4/19/91     18:20:58
Acquire                          Run 0:APR19VG02          Starting
04/19/91 18:20:00 +  0:00        Free sectors: 18606      Scan: 0 of 5800
Sample: 90912 GPC CLP 1UL.-1.0ML.
Conds : 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SB                 Analyst: VG              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5       VIAL:  1
                    *** GC ready and waiting ***
GC Desc.: BN                                        Elapsed time :    0.0 Min
Seq   Temp     Rate      Time (minutes)
 #    (DegC)  (C/min)  period     total      Injector A    :  260 Deg C
 1    40- 40     -       4.0       4.0       GC oven       :   40 Deg C
 2    40-280   10.0     24.0      28.0       Transfer-line:  270 Deg C
 3   280-280     -      32.0      60.0       Ion source    :  180 Deg C
Valve A : closed        Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state ->   Filament : Off  Multiplier : Off
MODE  EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window #  1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:    16

MFW    3  MFW   80  MA:  15  TH:   1  BL:   0
 Int #   Lo mass    Hi mass       Time
   1      34.510    450.635      1.000

Sequence Window #  2
                    Number of cycles:      1
                    Filament is ON
                    Multiplier is ON
Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:    16

MFW    3  MFW:  80  MA:  15  TH:   1  BL:   0
 Int #   Lo mass    Hi mass       Time
   1      34.510    450.635      1.000

    Calibration table:        1:CALTAB

    Interface number            0
    Instrument type             Q
    Full scale mass          1159  u
    Zero scale mass             1  u
    Intensity/ion               2
    Peak width               1000.  mmu
    Offset at low mass          0  mmu
```

002223

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.00	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 959.
Filament emission current. 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/15/91 19:19:44
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	3.6	3449.4	0.1	41956. 7.	12.

Quantitation Report File: APR19VG02

Data: APR19VG02.TI
04/19/91 16:20:00
Method: 90P10 GPC CLP 10UL.-1.0ML.
Column: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
File: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

	Name
[illegible]	[illegible]-1,4-DICHLOROBENZENE (INTERNAL)
[illegible]	PHENOL
[illegible]	BIS(2-CHLOROETHYL)ETHER
[illegible]	2-CHLOROPHENOL
[illegible]	1,3-DICHLOROBENZENE
[illegible]	1,4-DICHLOROBENZENE
[illegible]	1,2-DICHLOROBENZENE
[illegible]	BENZYL ALCOHOL
[illegible]	2-METHYLPHENOL
[illegible]	BIS(2-CHLOROISOPROPYL) ETHER
[illegible]	[illegible]
[illegible]	[illegible]-PROPYLAMINE
[illegible]	HEXACHLOROETHANE
[illegible]	[illegible] (SURROGATE)
[illegible]	[illegible] (SURROGATE)
[illegible]	[illegible] (INTERNAL)
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible] METHANE
[illegible]	[illegible]
[illegible]	[illegible]BENZENE
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]-BUTADIENE
[illegible]	4-CHLORO-3-METHYLPHENOL
[illegible]	2-METHYLNAPHTHALENE
[illegible]	2,4-DINITROTOLUENE (SURROGATE)
[illegible]	2,6-DINITROTOLUENE (INTERNAL)
[illegible]	HEXACHLOROCYCLOPENTADIENE
[illegible]	2,4,6-TRICHLOROPHENOL
[illegible]	2,4,5-TRICHLOROPHENOL
[illegible]	2-CHLORONAPHTHALENE
[illegible]	2-NITROANILINE
[illegible]	DIMETHYLPHTHALATE
1940	ACENAPHTHYLENE
1945	3-NITROANILINE
1950	ACENAPHTHENE
1955	2,4-DINITROPHENOL
[illegible]	4-NITROPHENOL
1965	*DIBENZOFURAN
1970	2,6-DINITROTOLUENE
[illegible]	2,4-DINITROTOLUENE
1980	DIETHYLPHTHALATE
1985	4-CHLOROPHENYL PHENYL ETHER

No	Name
43	0590 FLUORENE
[illegible]	0595 4-NITROANILINE
[illegible]	0625 2-FLUOROBIPHENYL (SURROGATE)

[illegible]	[illegible]	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
[illegible]	190	1197	11:52	1	1.000	A BB	26898.	40.000 UG/L	4.68
[illegible]	[illegible]	1125	11:09	1	0.940	A BB	64.	0.082 UG/L	0.01
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
11	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	8:58	1	0.756	A BB	45262.	100.485 %	11.75
[illegible]	[illegible]	[illegible]	11:07	1	0.937	A BB	52464.	102.574 %	11.99
[illegible]	[illegible]	[illegible]	15:02	16	1.000	A BB	65742.	40.000 UG/L	4.68
[illegible]	[illegible]	[illegible]	13:16	16	0.882	A BB	178.	0.232 UG/L	0.03
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
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[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]	[illegible]	13:16	16	0.882	A BB	34106.	84.325 %	9.86
[illegible]	[illegible]	[illegible]	14:16	21	1.000	A BB	32500.	40.000 UG/L	4.68
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
[illegible]	[illegible]								
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[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	1800	17:51	21	0.910	A BB	48276.	• 118.982 %	13.91

Quantitation Report File: APR19VG02

Data: APR19VG02.TI
04/19/91 18:20:00
Sample: 90912 GPC CLP 1UL.-1.0ML.
Cond.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name
1	1355 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	2160 D10-PHENANTHRENE (INTERNAL)
53	1411 4,6-DINITRO-2-METHYLPHENOL
54	1625 4-BROMOPHENYL PHENYL ETHER
55	1651 HEXACHLOROBENZENE
56	1699 PENTACHLOROPHENOL
57	1741 PHENANTHRENE
58	1745 ANTHRACENE
59	1870 DI-N-BUTYLPHTHALATE
60	2088 FLUORANTHENE
61	1911 AZOBENZENE
62	1915 PYRENE
63	1919 N-NITROSODIPHENYLAMINE
64	2170 D12-CHRYSENE (INTERNAL)
65	2121 BUTYLBENZYLPHTHALATE
66	2185 3,3'-DICHLOROBENZIDINE
67	2201 BENZO(A)ANTHRACENE
68	2241 BIS(2-ETHYLHEXYL)PHTHALATE
69	2242 CHRYSENE
70	2271 TRI-TERPHENYL (SURROGATE)
71	2279 D12-PERYLENE (INTERNAL)
72	2282 DI-N-OCTYLPHTHALATE
73	2287 BENZO(B)FLUORANTHENE
74	2291 BENZO(K)FLUORANTHENE
75	2295 BENZO(A)PYRENE
76	2312 INDENO(1,2,3-CD)PYRENE
77	2316 DIBENZ(A,H)ANTHRACENE
78	2321 BENZO(G,H,I)PERYLENE

No.	Ret	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	330	2186	21.40	31	1.105	A BB	8146.	108.340	%	12.67
51	188	2164	23.26	52	1.000	A BV	53432.	40.000	UG/L	4.68
52	NOT FOUND									
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	170	2270	23.29	52	1.003	A BB	152.	0.108	UG/L	0.01
57	NOT FOUND									
58	148	2524	25.01	52	1.068	A BB	306.	0.160	UG/L	0.02
59	202	2689	26.39	52	1.137	A BB	186.	0.149	UG/L	0.02
60	NOT FOUND									
61	202	2748	27.14	52	1.162	A BB	156.	0.126	UG/L	0.01
62	NOT FOUND									
63	240	3149	31.13	64	1.000	A BB	29637.	40.000	UG/L	4.68
64	NOT FOUND									

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	244	2787	27:37	64	0.885	A BB	43668.	99.989 %	11.69
71	264	4074	40 23	71	1.000	A BB	14874.	40.000 UG/L	4.68
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							

Quantitation Report File: APR19VG02A

Data: APR19VG02.TI
[illegible] 19/91 18:20:00
Sample: 90912 GPC CLP 1UL.-1.0ML.
Limits: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.029
Resp fac from Library Entry

	CAS #	Name
	1576-87-0	2-PENTENAL, (E)-
	14617-97-1	BUTYRIC ACID, M-NITROPHENYL ESTER
	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
	557-40-4	1-PROPENE, 3,3'-OXYBIS-
	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
	625-33-2	3-PENTEN-2-ONE
	[illegible]-69-7	2-PENTANONE, 5-(1,2-PROPADIENYLOXY)-
	[illegible]-71-9	3-BUTENE-1,2-DIOL, 1-(2-FURANYL)-3-METHYL-
	[illegible]-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
	[illegible]-96-4	2-BUTANOL, 3-METHYL-, ACETATE
	[illegible]-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
	[illegible]-30-4	2-BUTANONE, 3-METHYL-

	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
	[illegible]	6 42	3	0.823	A BB	11688.UNK	0.088B	2.29
	7[illegible]	7 34	3	0.929	A BB	3404.UNK	0.026B	0.67
	821	8 08	3	1.000	A BB	384217.~~UNK~~ OL	2.900BA	75.44
	[illegible]	8 34	3	1.052	A BB	10264.UNK	0.077B	2.02
	[illegible]	8 42	3	1.068	A BB	2779.HC	0.021B	0.55
	[illegible]	10 11	3	1.251	A BB	7932.UNK	0.060B	1.56
	1195	10 27	3	1.285	A BB	6376.UNK	0.048B	1.25
	[illegible]	10 34	3	1.298	A BB	3168.UNK	0.024	0.62
	[illegible]	11 14	3	1.380	A VB	5864.UNK	0.044B	1.15
	[illegible]	11 40	3	1.434	A BB	40006.UNK	0.302B	7.85
	1329	12 19	3	1.492	A BB	10338.UNK	0.078B	2.03
	[illegible]	12 29	3	1.533	A BB	23289.UNK	0.176B	4.57

$$\frac{384217}{175531} \times 40 \times \frac{1.0}{30.31} \times \frac{1}{100} = 0.029.$$

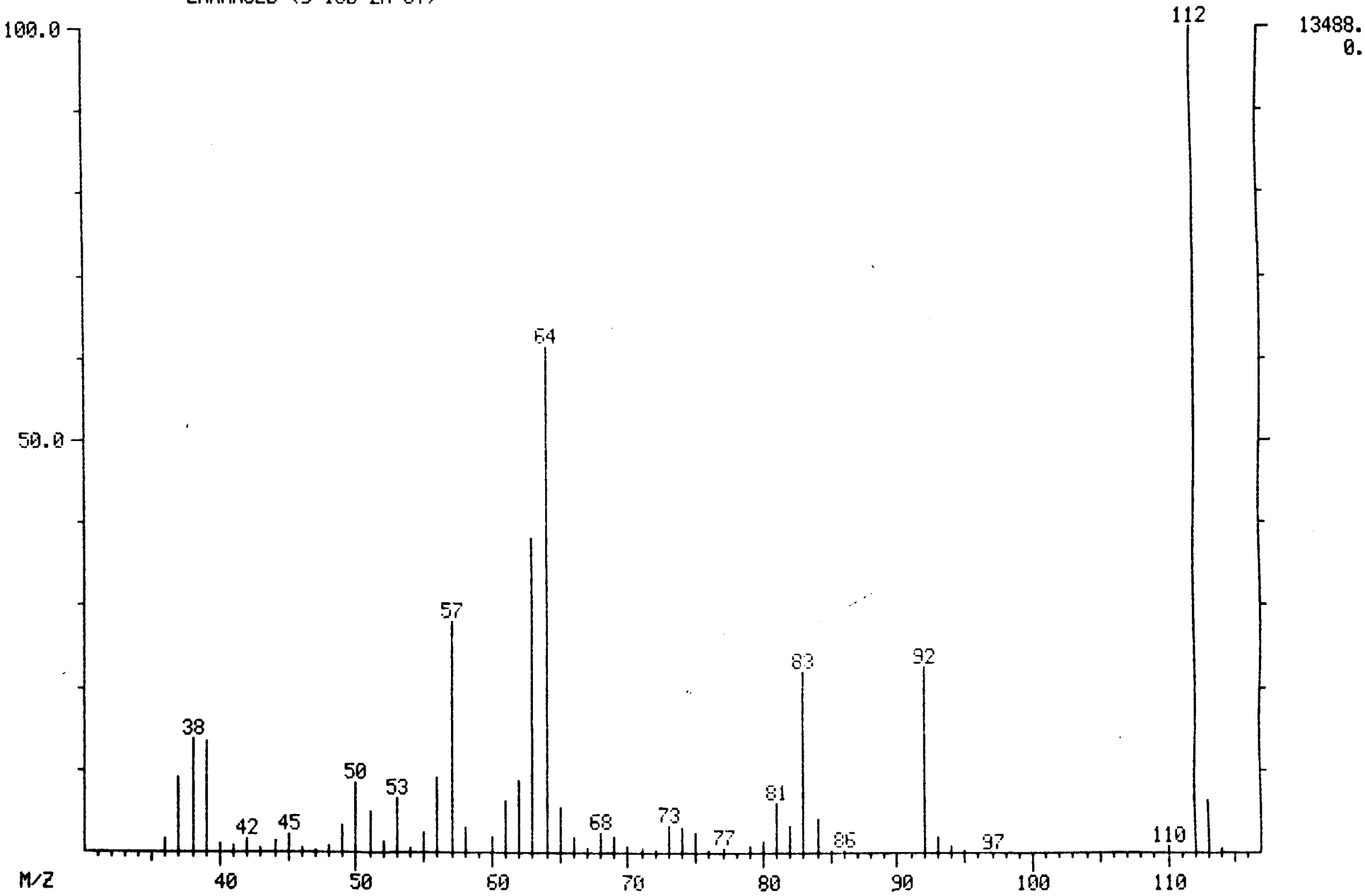
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 18:20:00 + 8:58
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #905
CALI: APR19VG02 #3

BASE M/Z: 112
RIC: 57920.

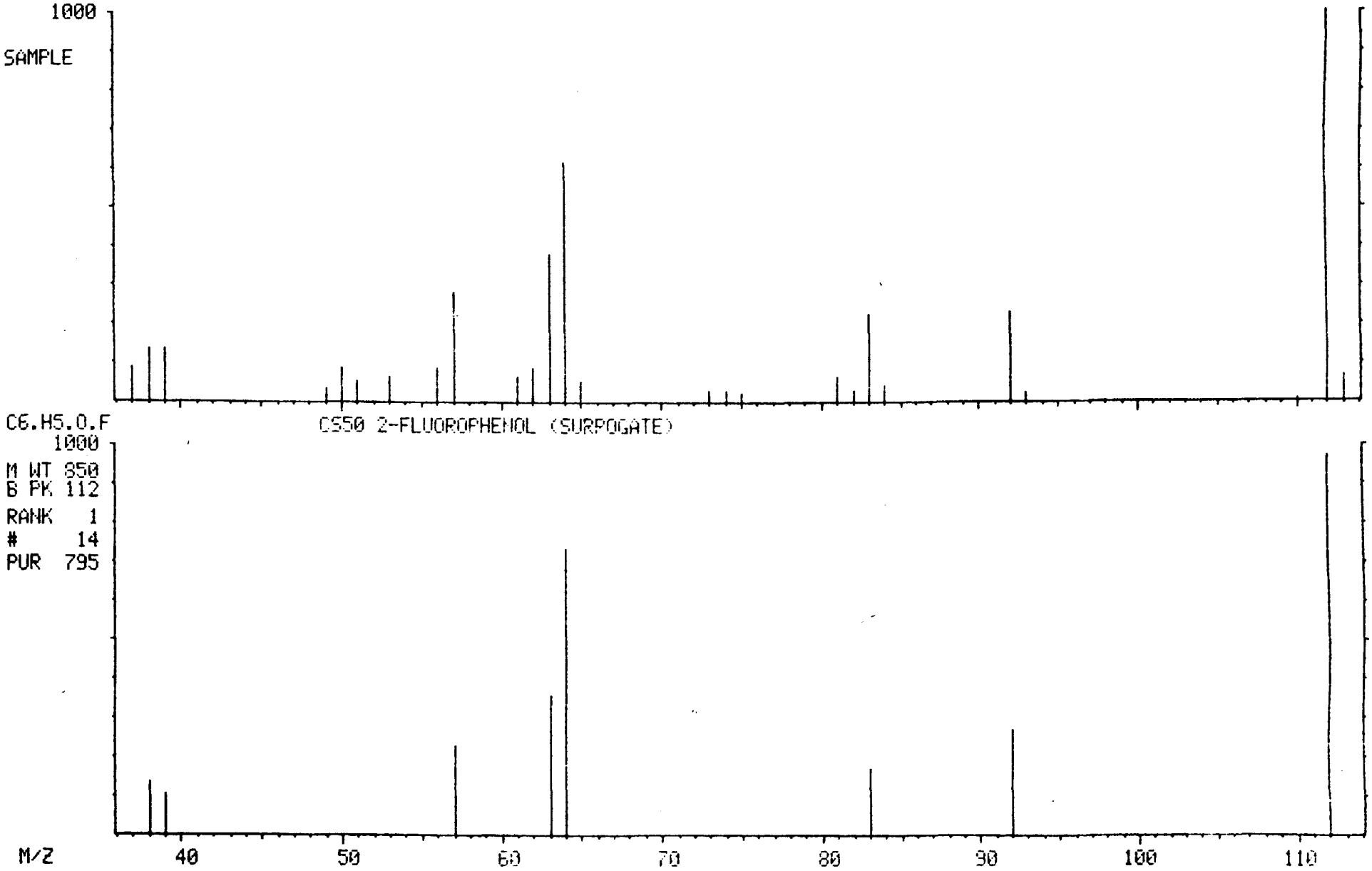
002221



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 8:58
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 # 905
CALI: APR19VG02 # 3

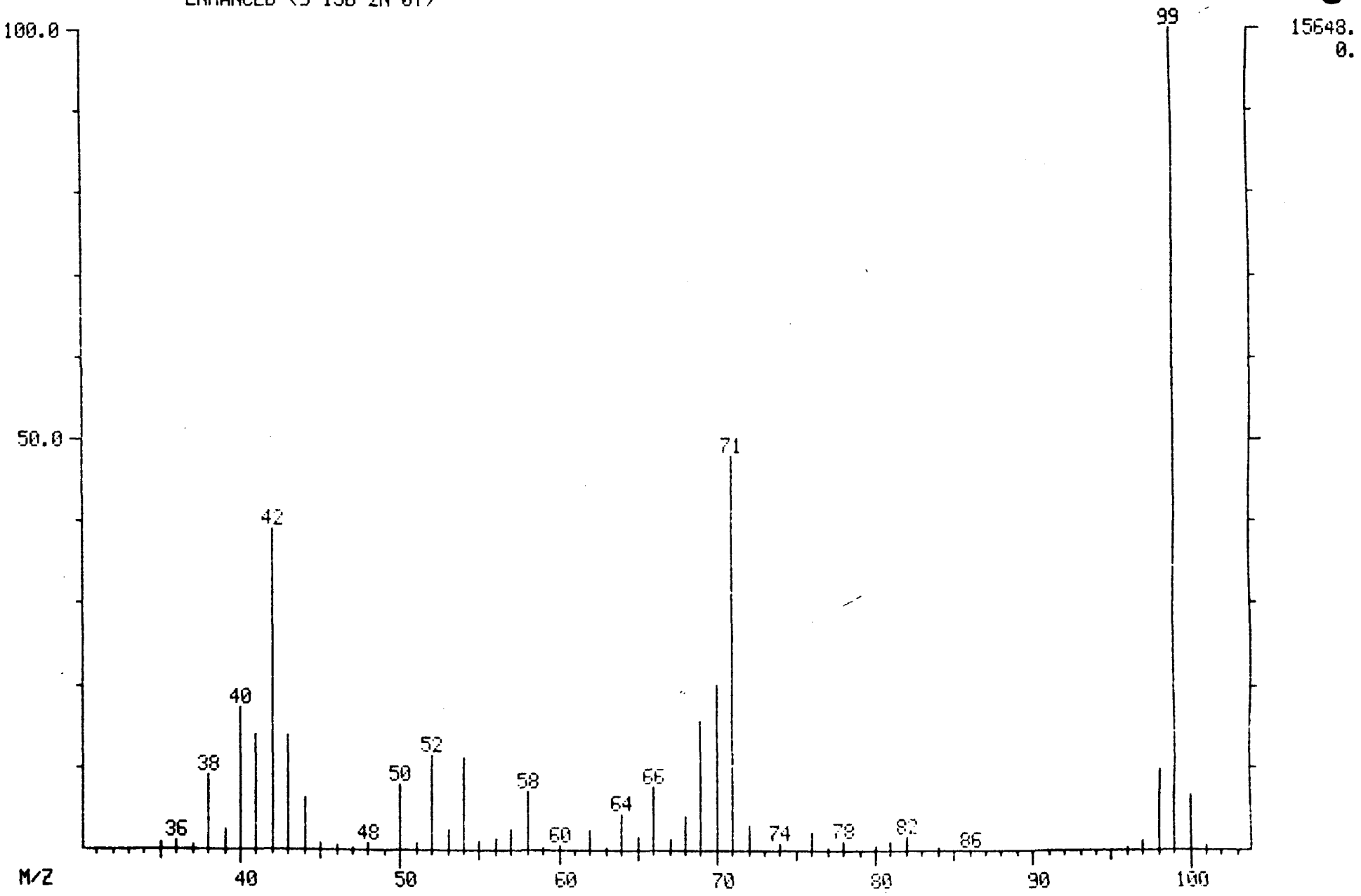
BASE M/Z: 112
RIC: 53248.



MASS SPECTRUM
04/19/91 18:20:00 + 11:07
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1122
CALI: APR19VG02 #3

BASE M/Z: 99
RIC: 61120.

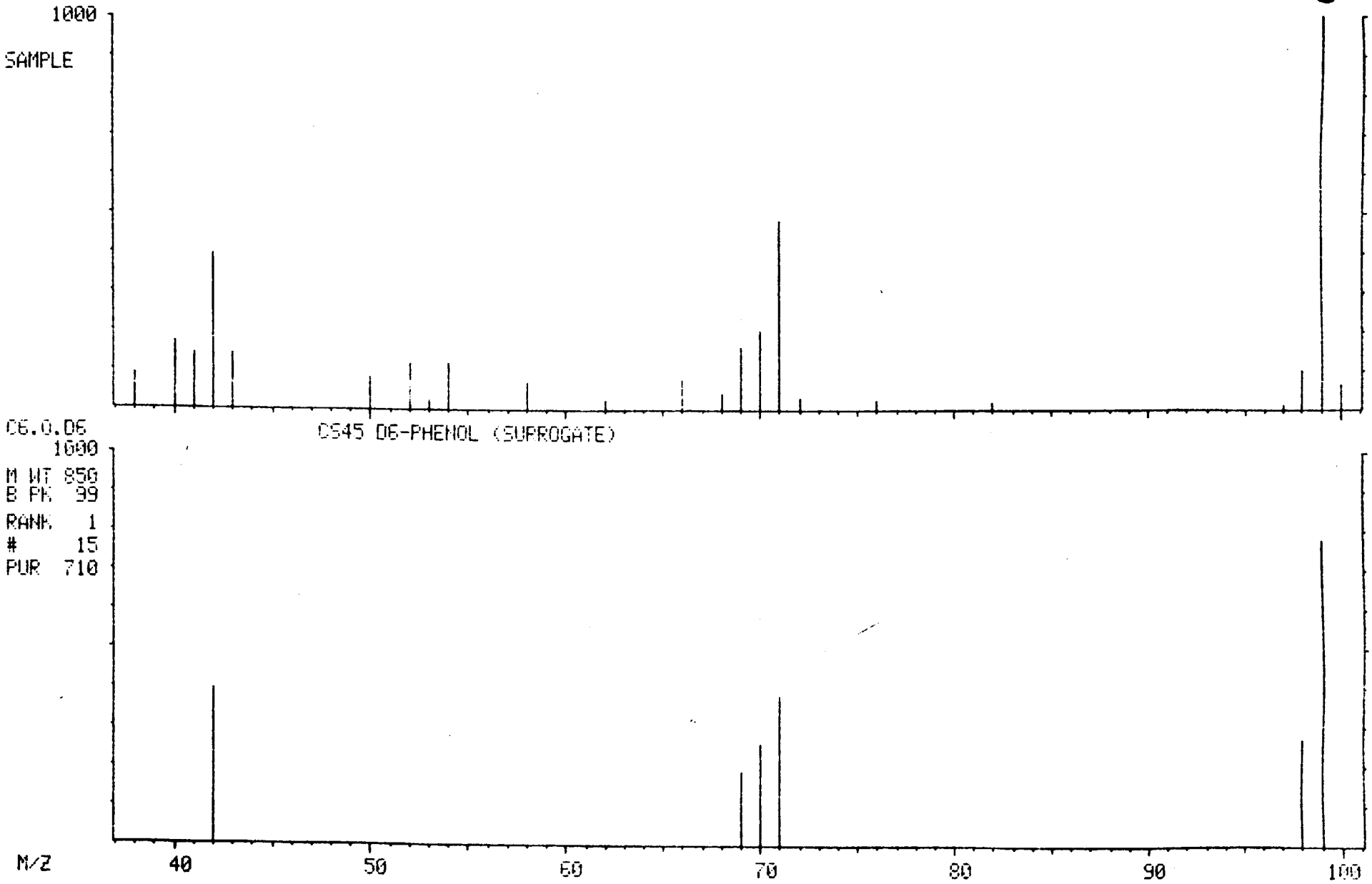


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 11:07
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19UG02 #1122
CALI: APR19UG02 # 3

BASE M/Z: 99
RIC: 55872.

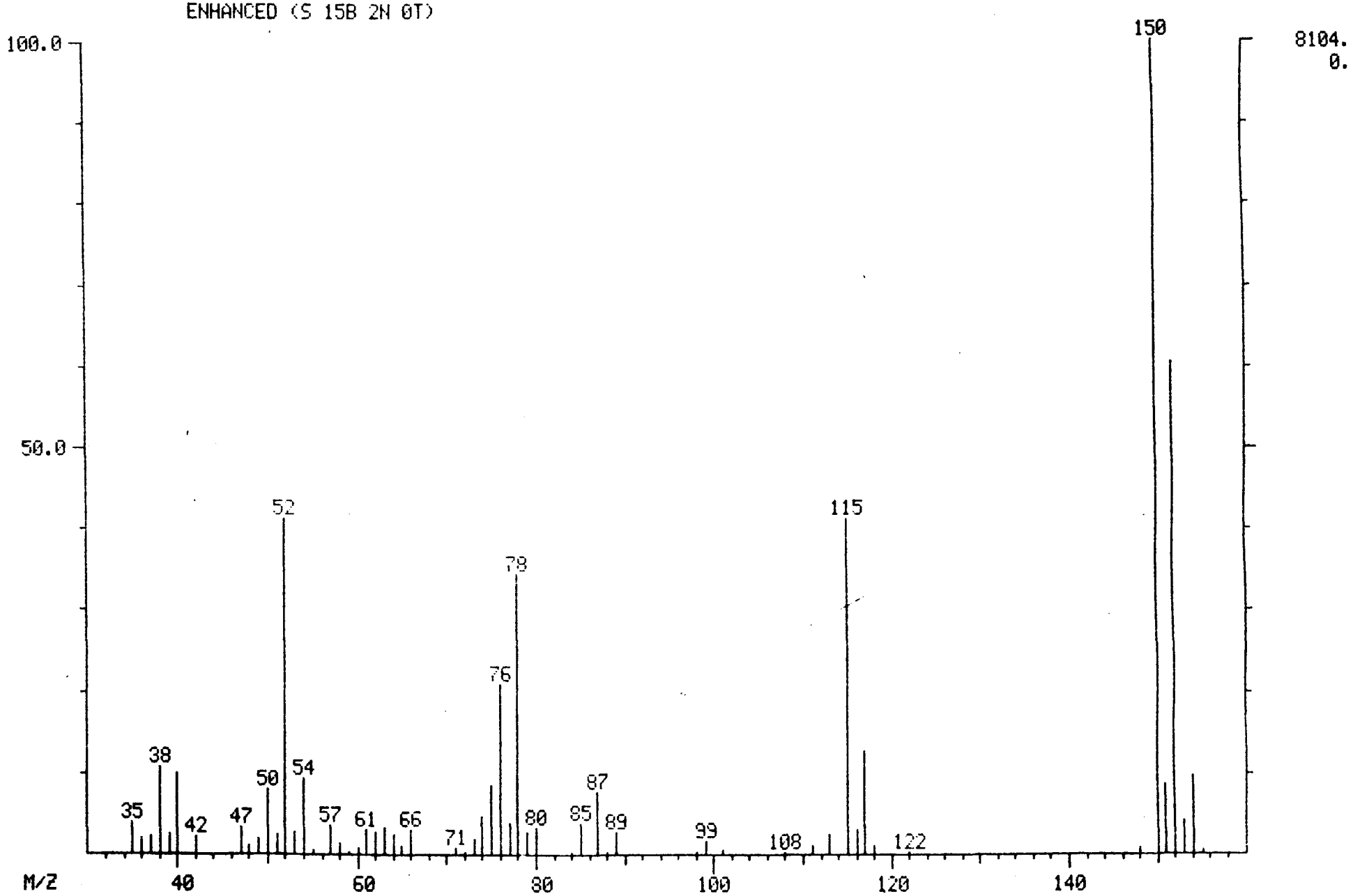
002234



MASS SPECTRUM
04/19/91 18:20:00 + 11:52
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1197
CALI: APR19VG02 #3

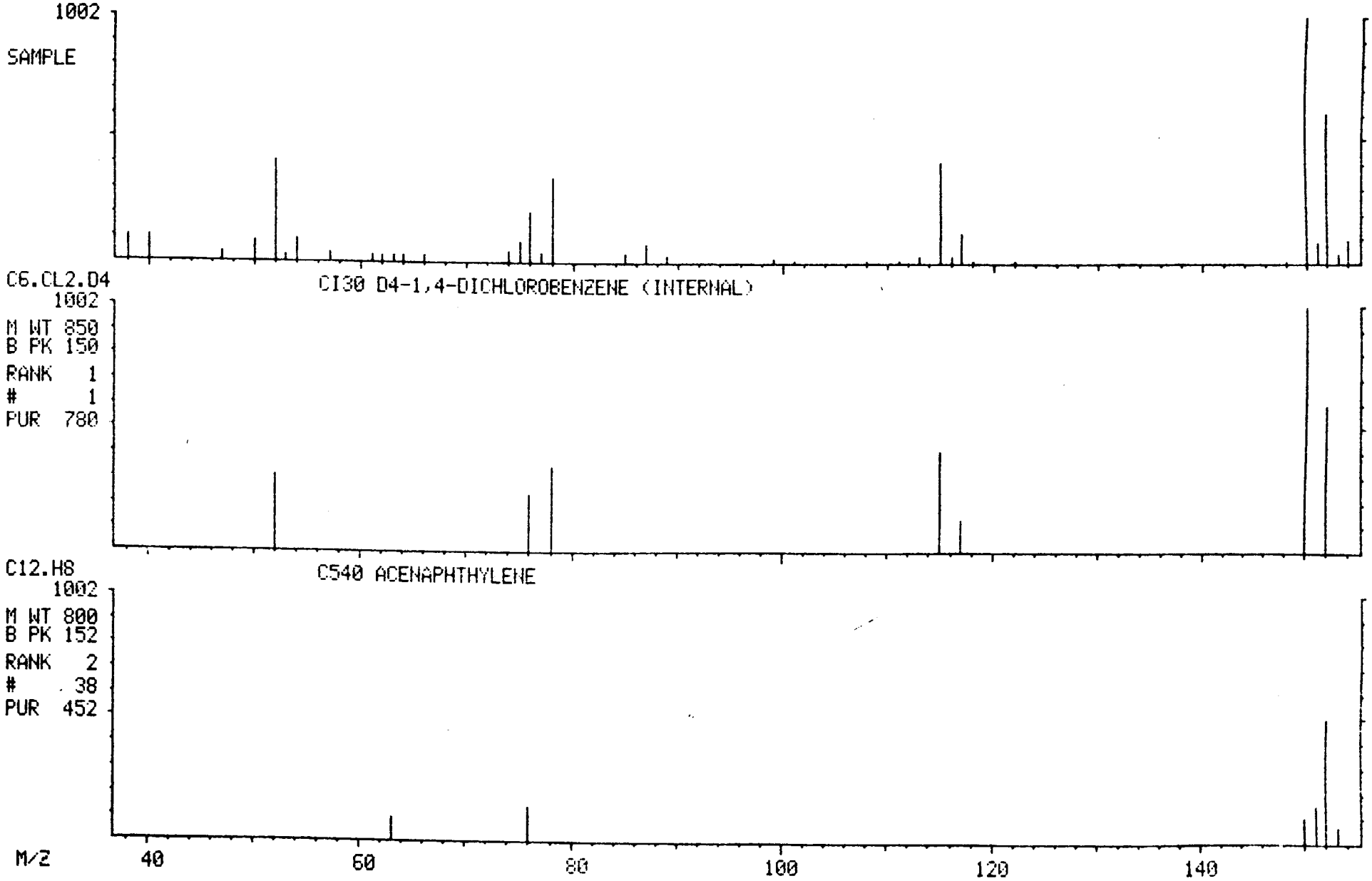
BASE M/Z: 150
RIC: 38144.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 11:52
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1197
CALI: APR19VG02 # 3

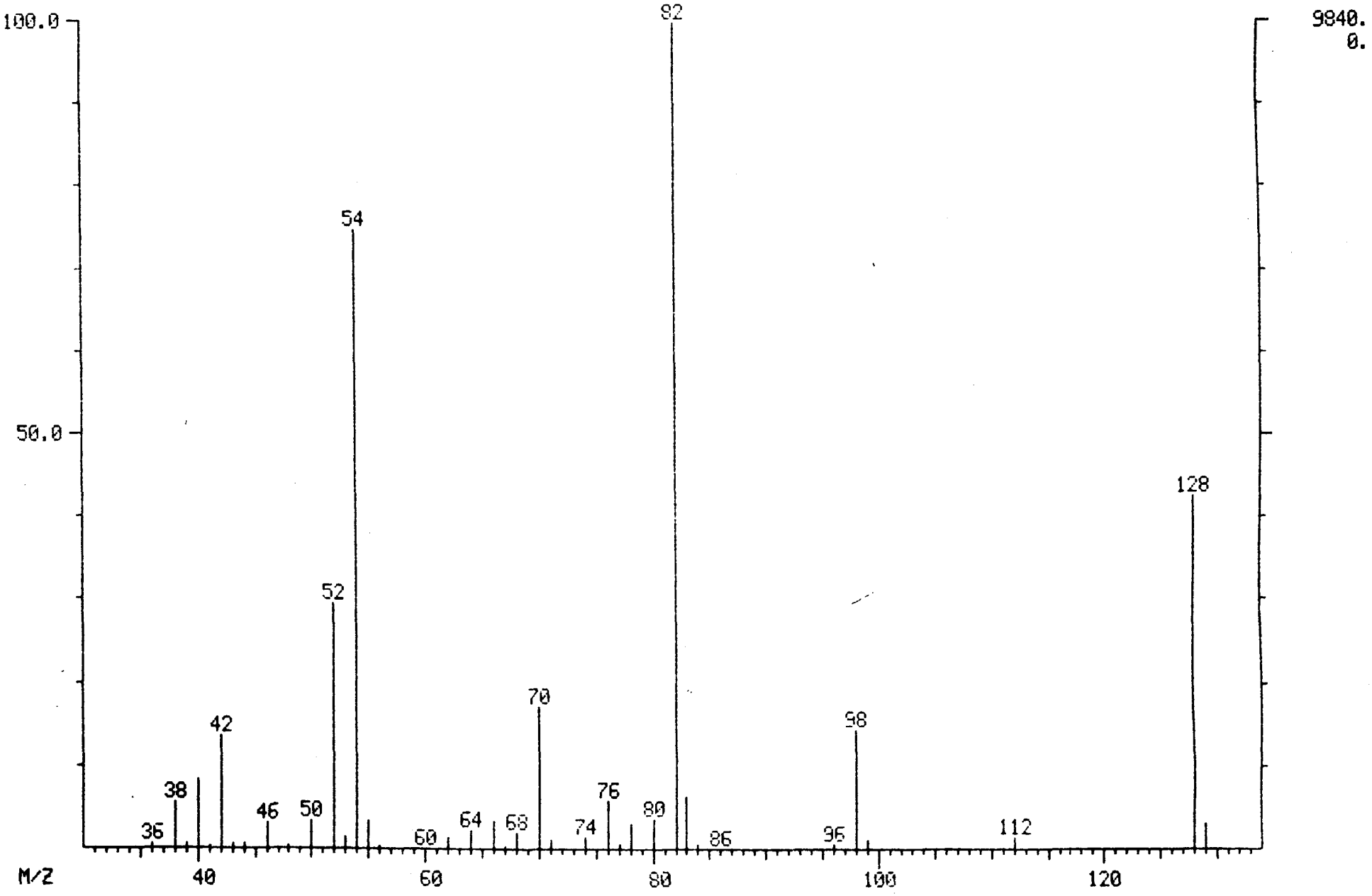
BASE M/Z: 150
RIC: 35520.



MASS SPECTRUM
04/19/91 18:20:00 + 13:16
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1338
CALI: APR19VG02 #3

BASE M/Z: 82
RIC: 35072.

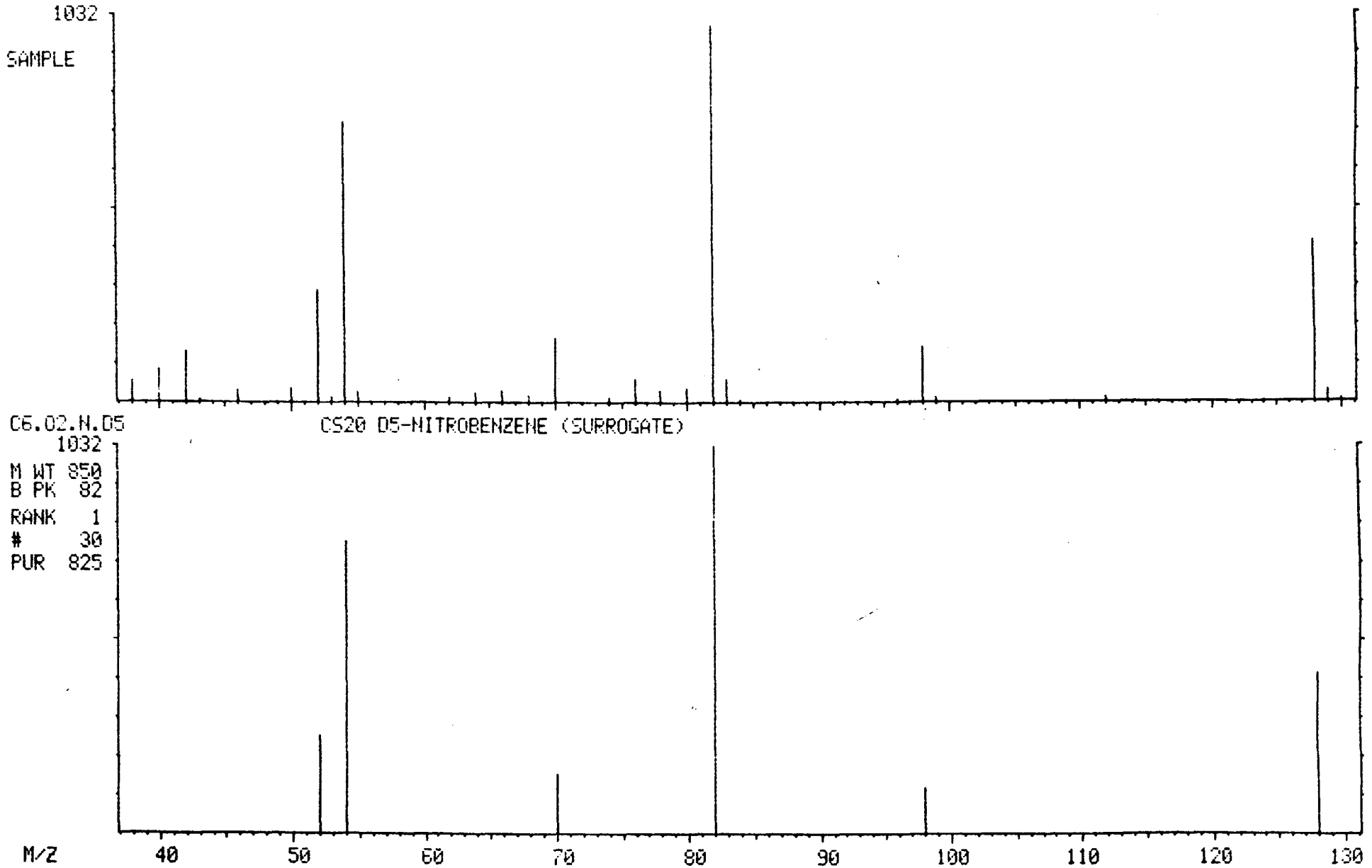


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 13:16
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1338
CALI: APR19VG02 # 3

BASE M/Z: 82
RIC: 34688.

002258

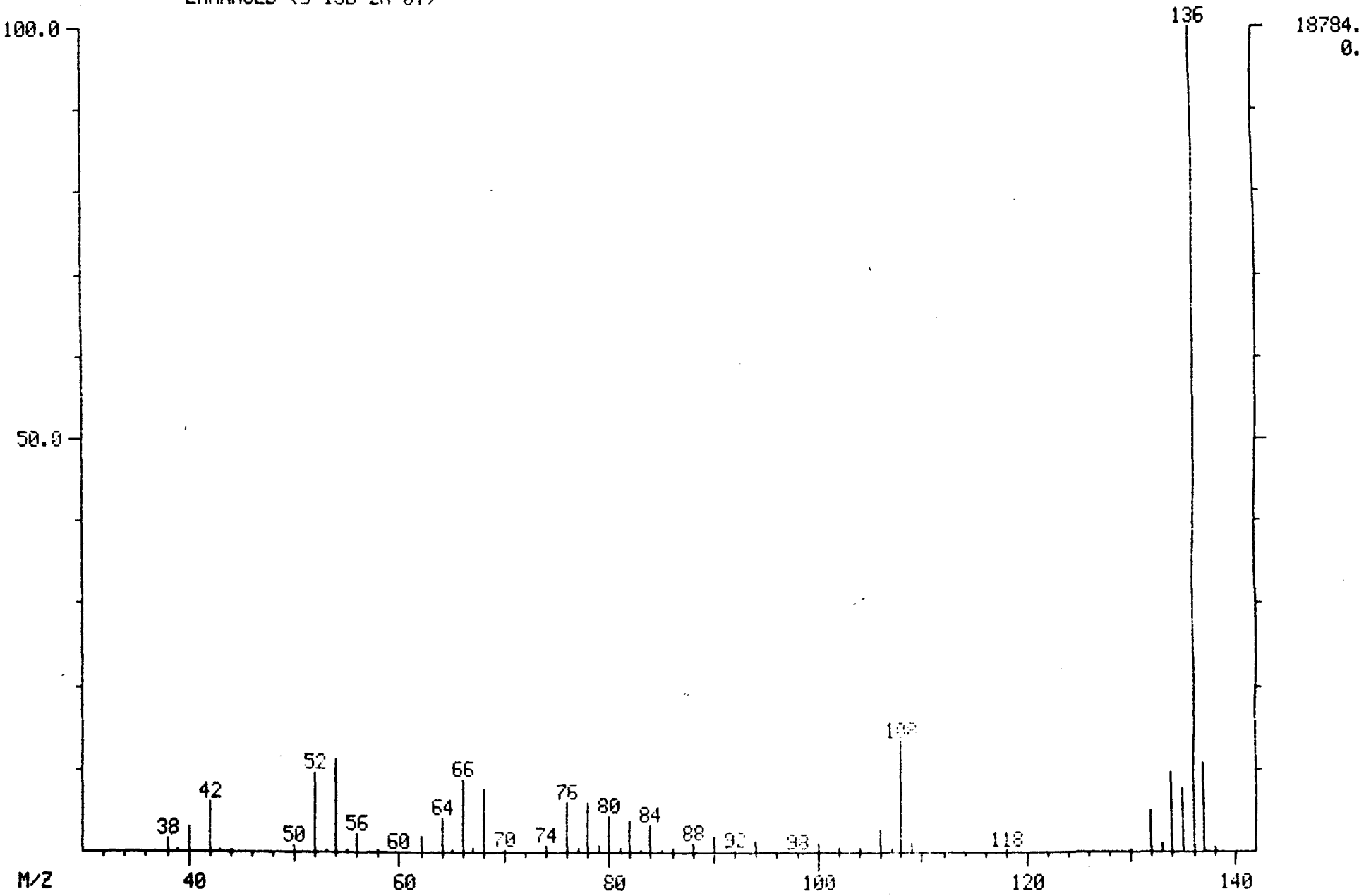


MASS SPECTRUM
04/19/91 18:20:00 + 15:02
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR1906P2 #1517
CAL1: APR1906P2 #3

BASE M/Z: 136
RIC: 46720.

00229

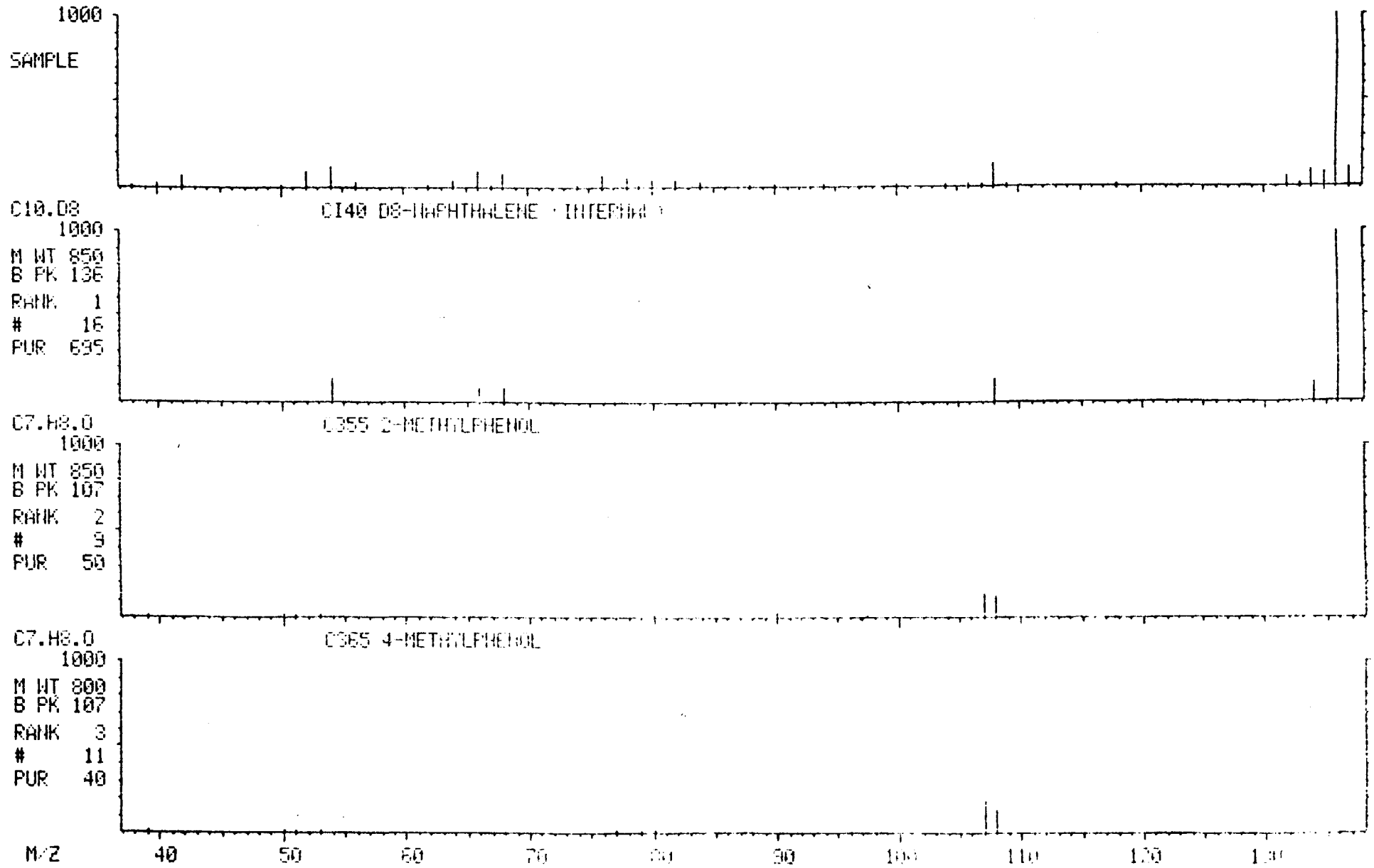


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 15:02
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19G02 #1517
COL 1: APR19G02 # 3

BASE M/Z: 136
RIC: 45376.

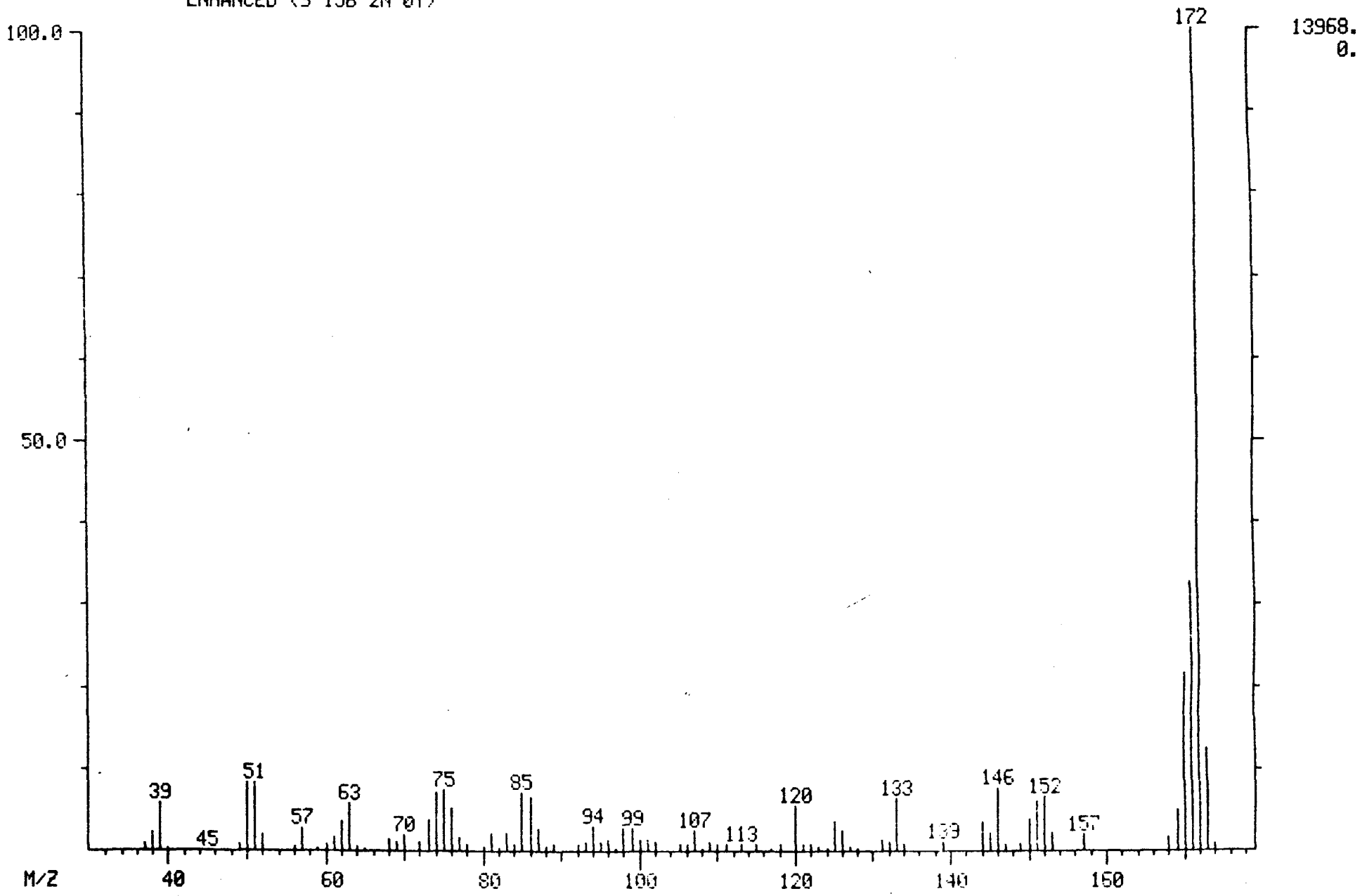
00220



MASS SPECTRUM
04/19/91 18:20:00 + 17:51
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1300
CALI: APR19VG02 #3

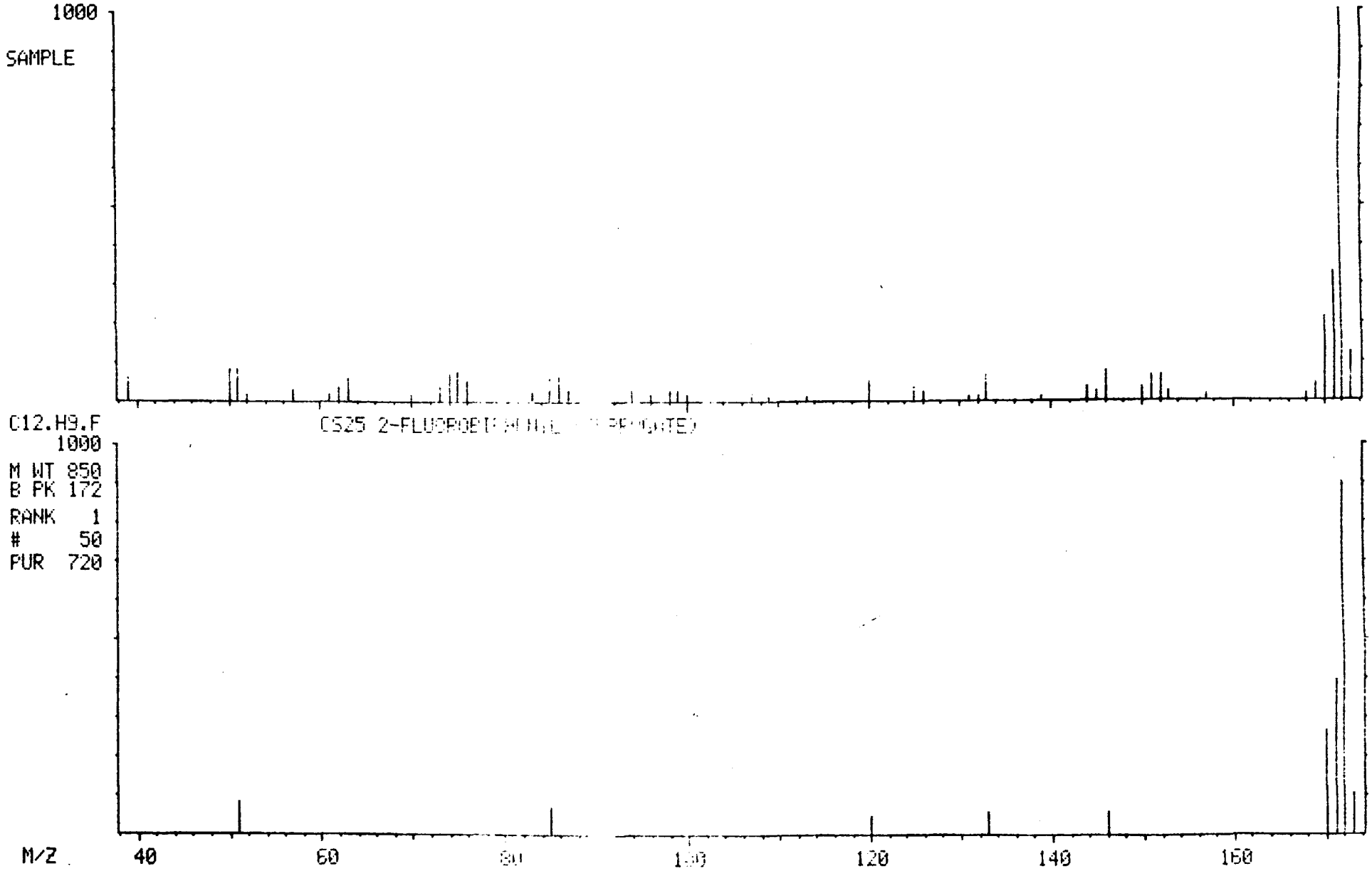
BASE M/Z: 172
RIC: 50816.



MID LIBRARY SEARCH (LIBRARY)
04/19/91 18:20:00 + 17:51
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M (85) CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19UG02 #1800
CALI: APR19UG02 # 3

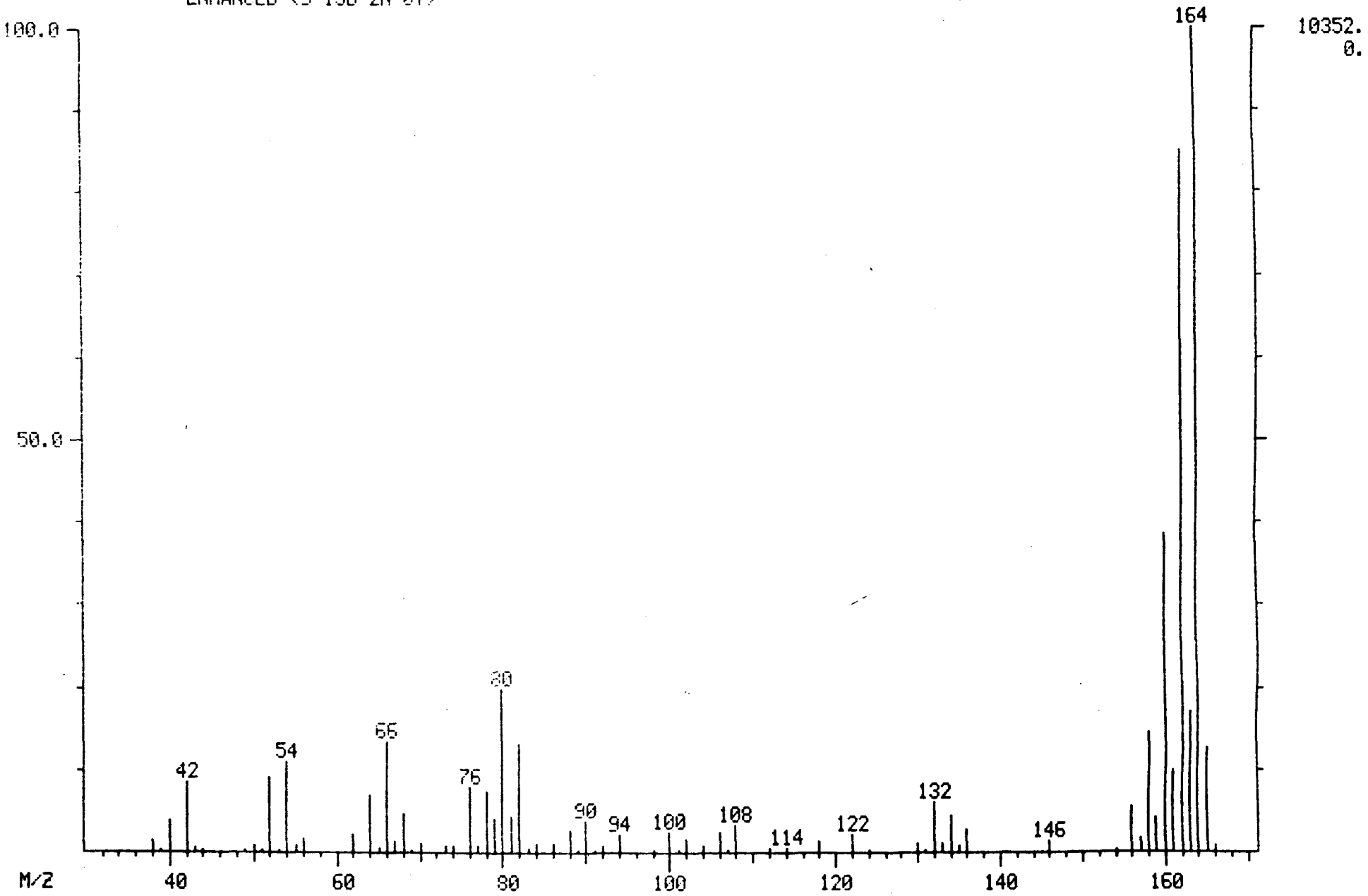
BASE M/Z: 172
RIC: 45696.



MASS SPECTRUM
04/19/91 18:20:00 + 19:36
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1978
CALI: APR19VG02 #3

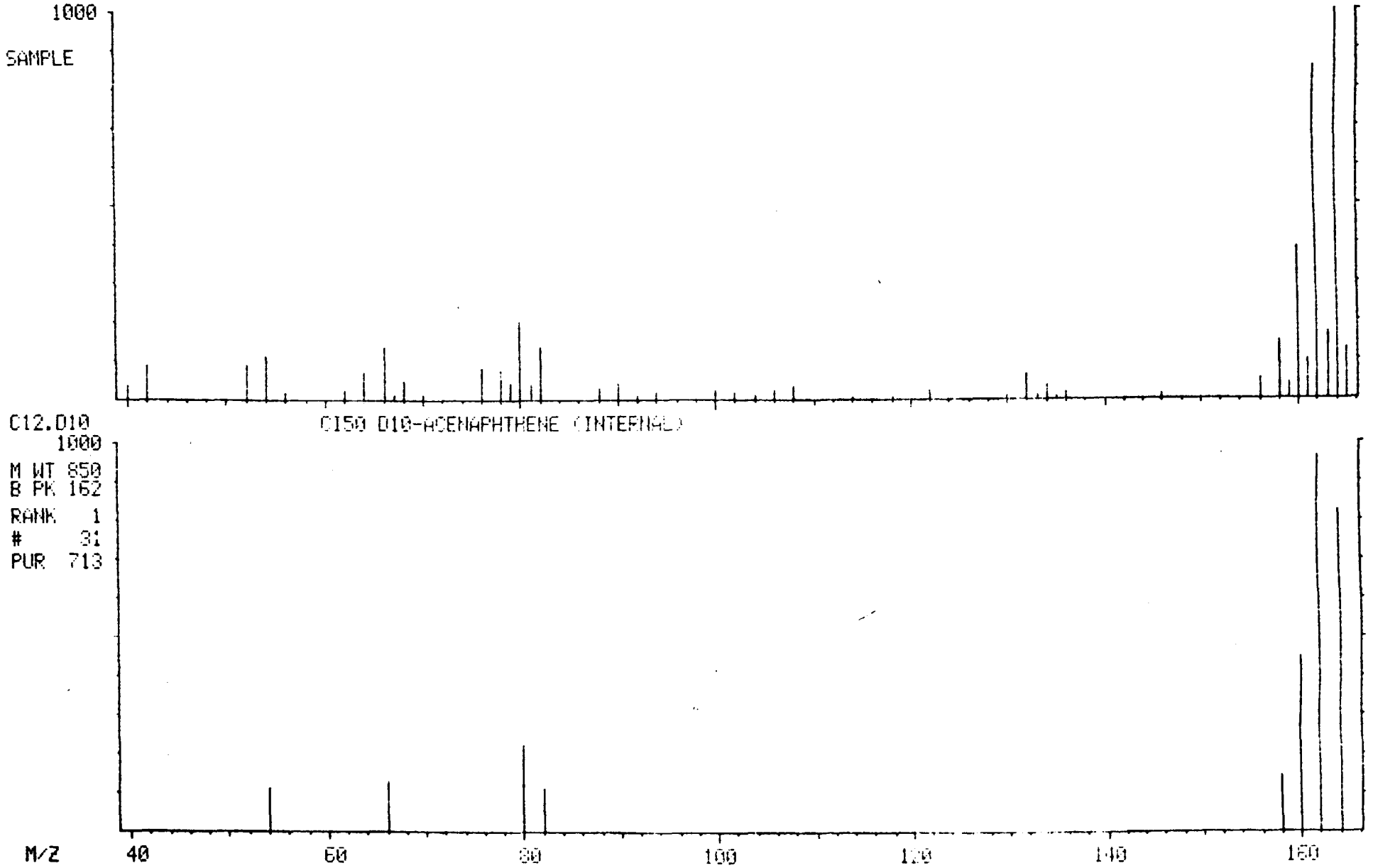
BASE M/Z: 164
RIC: 48512.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 19:36
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19V002 #1978
CALI: APR19V002 # 3

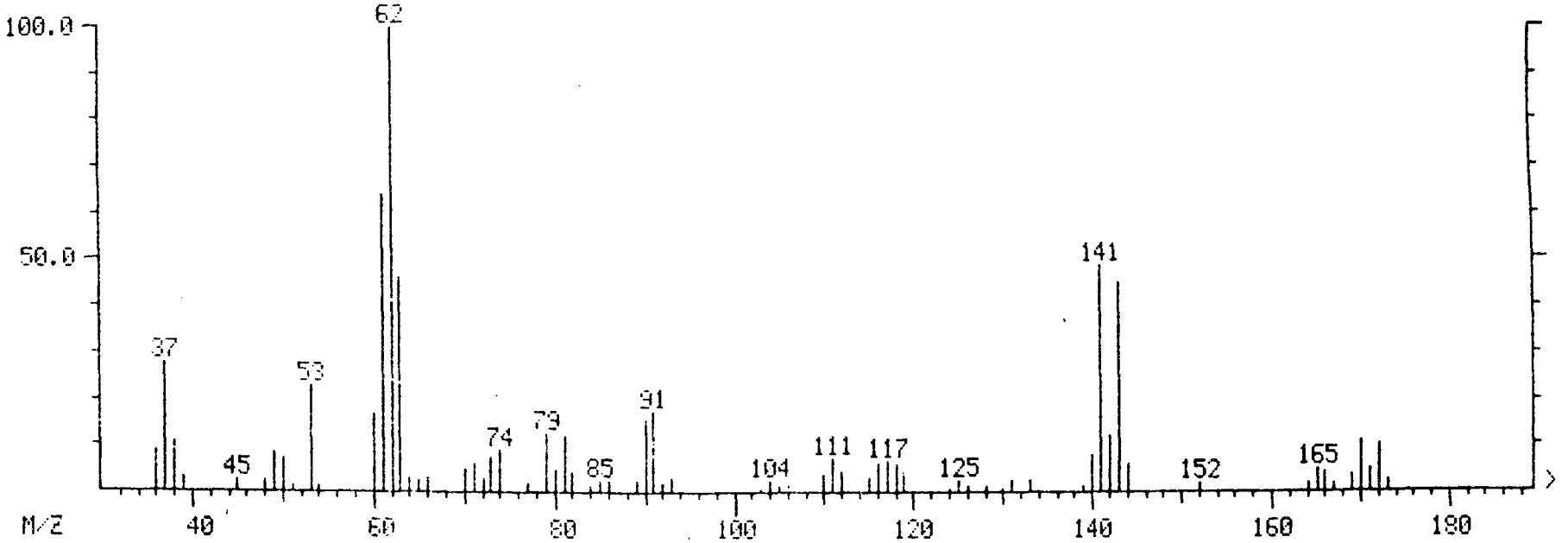
BASE M/Z: 164
RIC: 46848.

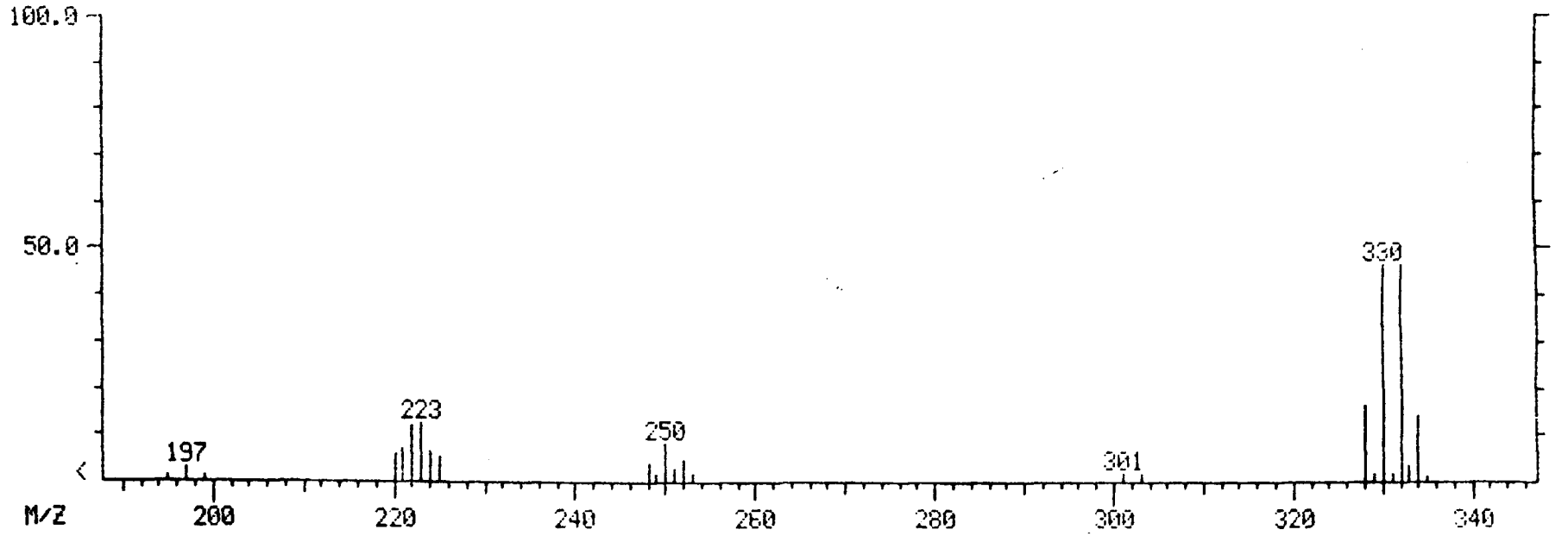


MASS SPECTRUM
04/19/91 18:20:00 + 21:40
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2186
CALI: APR19VG02 #3

BASE M/Z: 62
RIC: 39232.



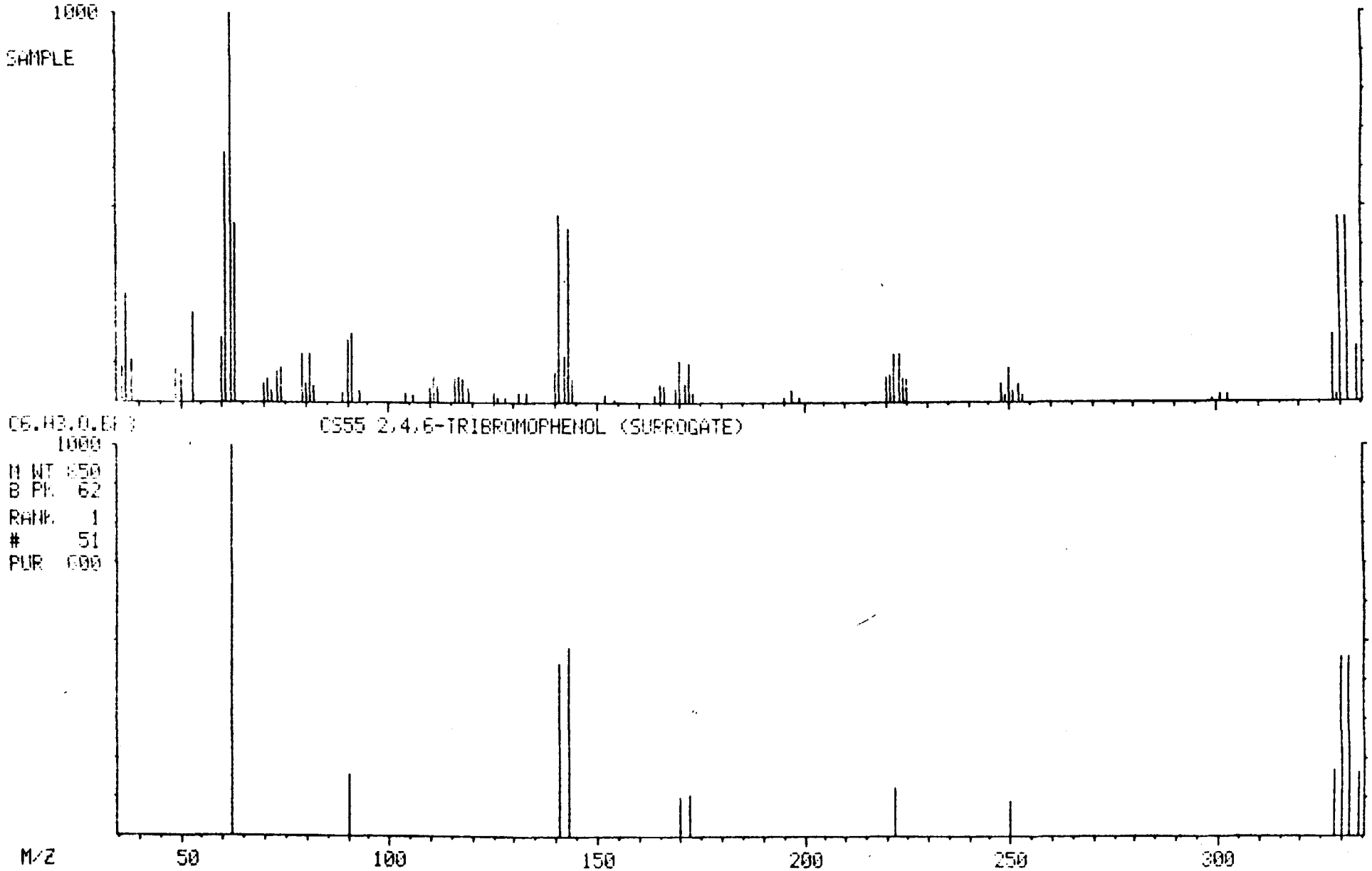


00225

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 21:40
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2186
CALI: APR19VG02 # 3

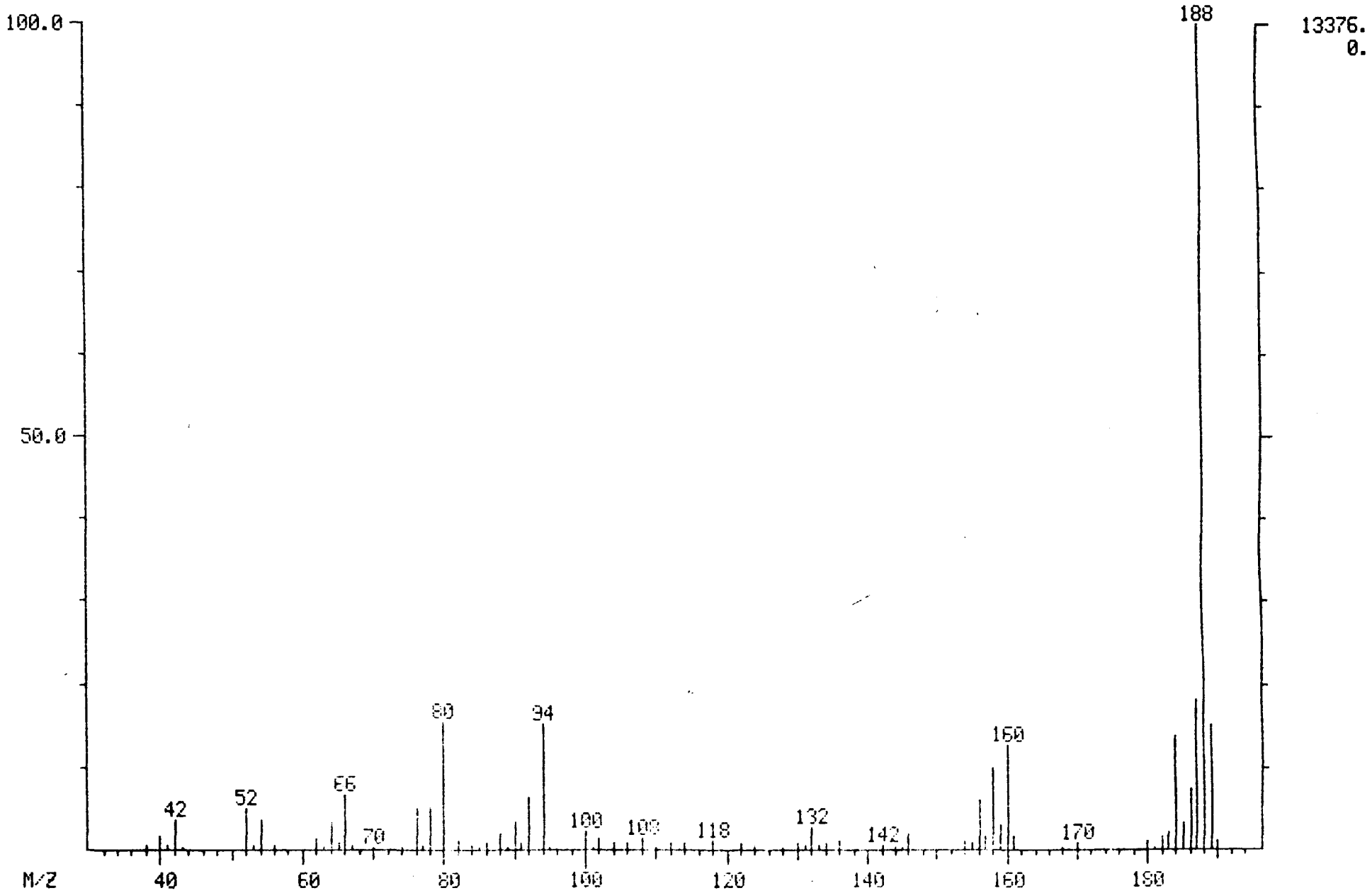
BASE M/Z: 62
RIC: 37376.



MASS SPECTRUM
04/19/91 18:20:00 + 23:26
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2364
CALI: APR19VG02 #3

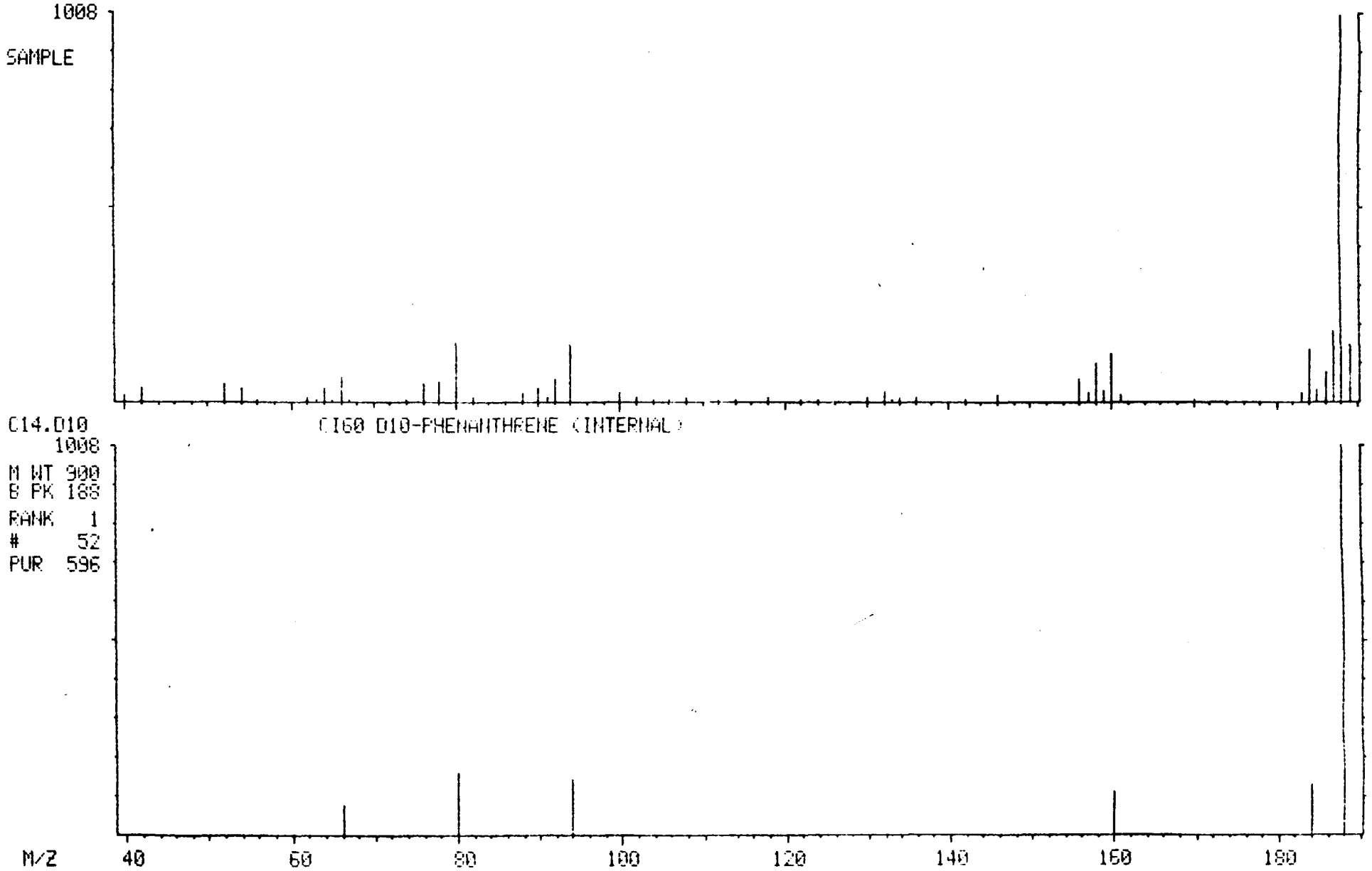
BASE M/Z: 188
RIC: 41664.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 23:26
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2364
CALI: APR19VG02 # 3

BASE M/Z: 188
RIC: 39872.

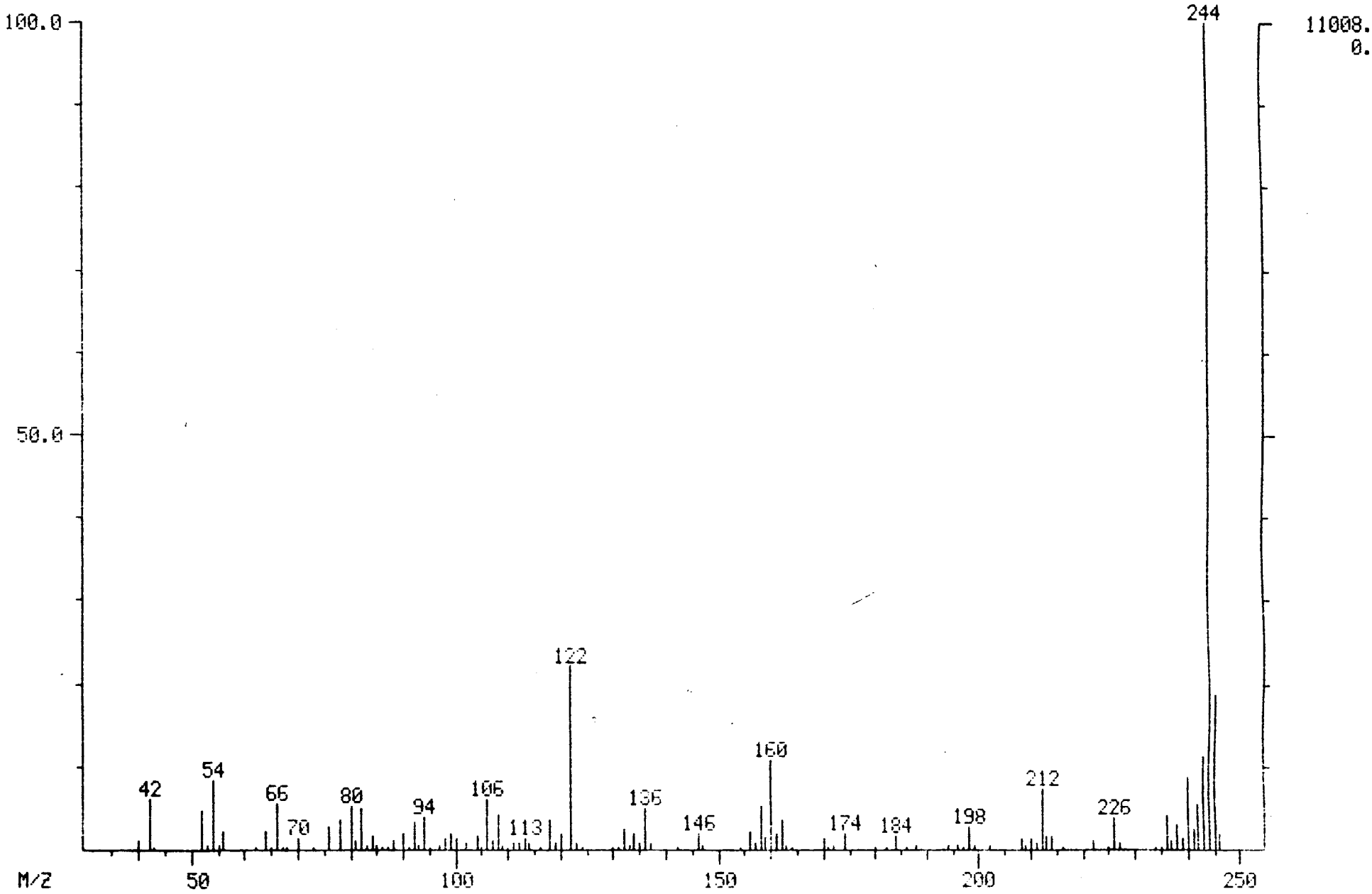


002248

MASS SPECTRUM
04/19/91 18:20:00 + 27:37
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2787
CALI: APR19VG02 #3

BASE M/Z: 244
RIC: 39296.

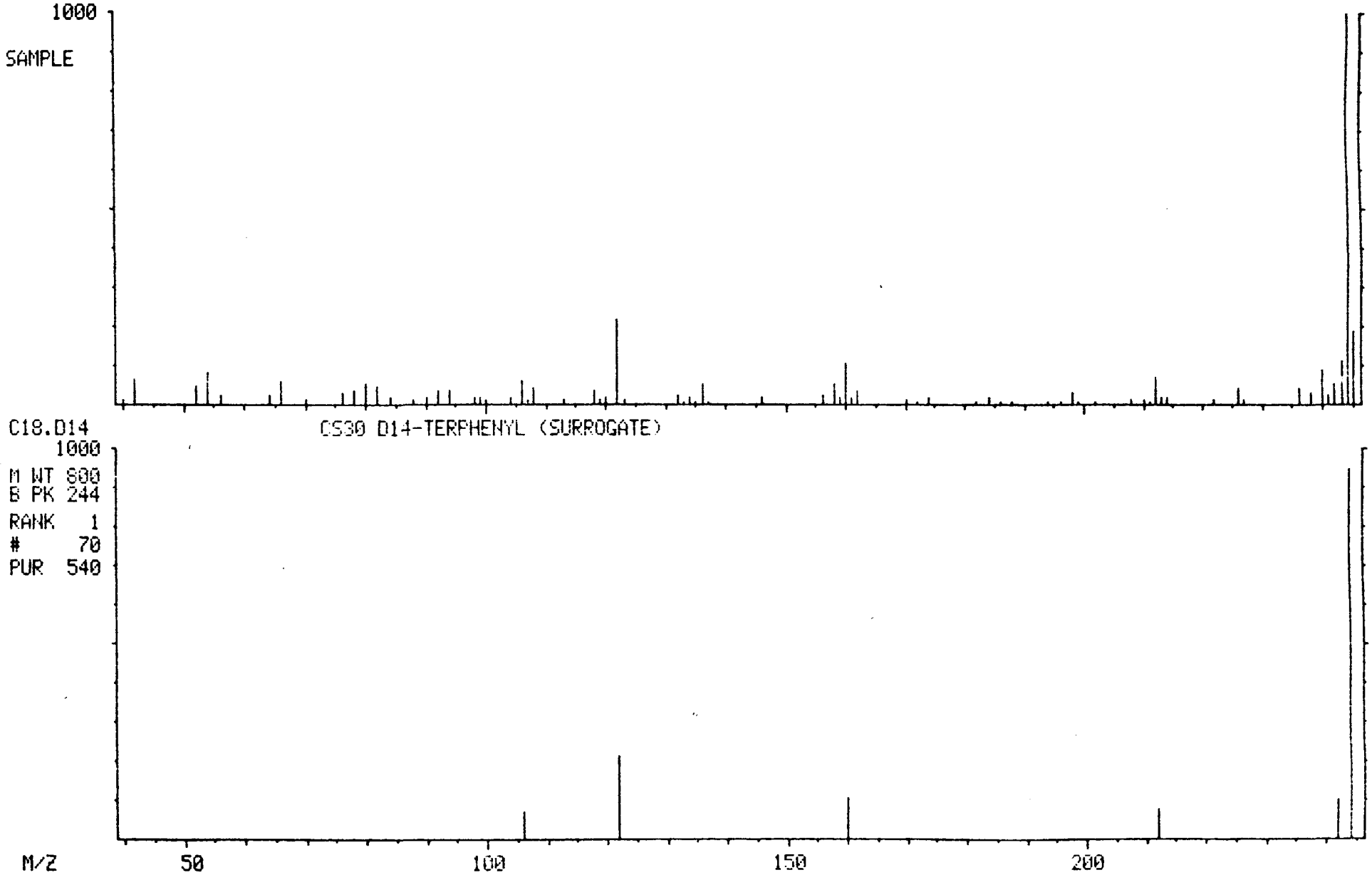


652200

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 27:37
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #2787
CALI: APR19VG02 # 3

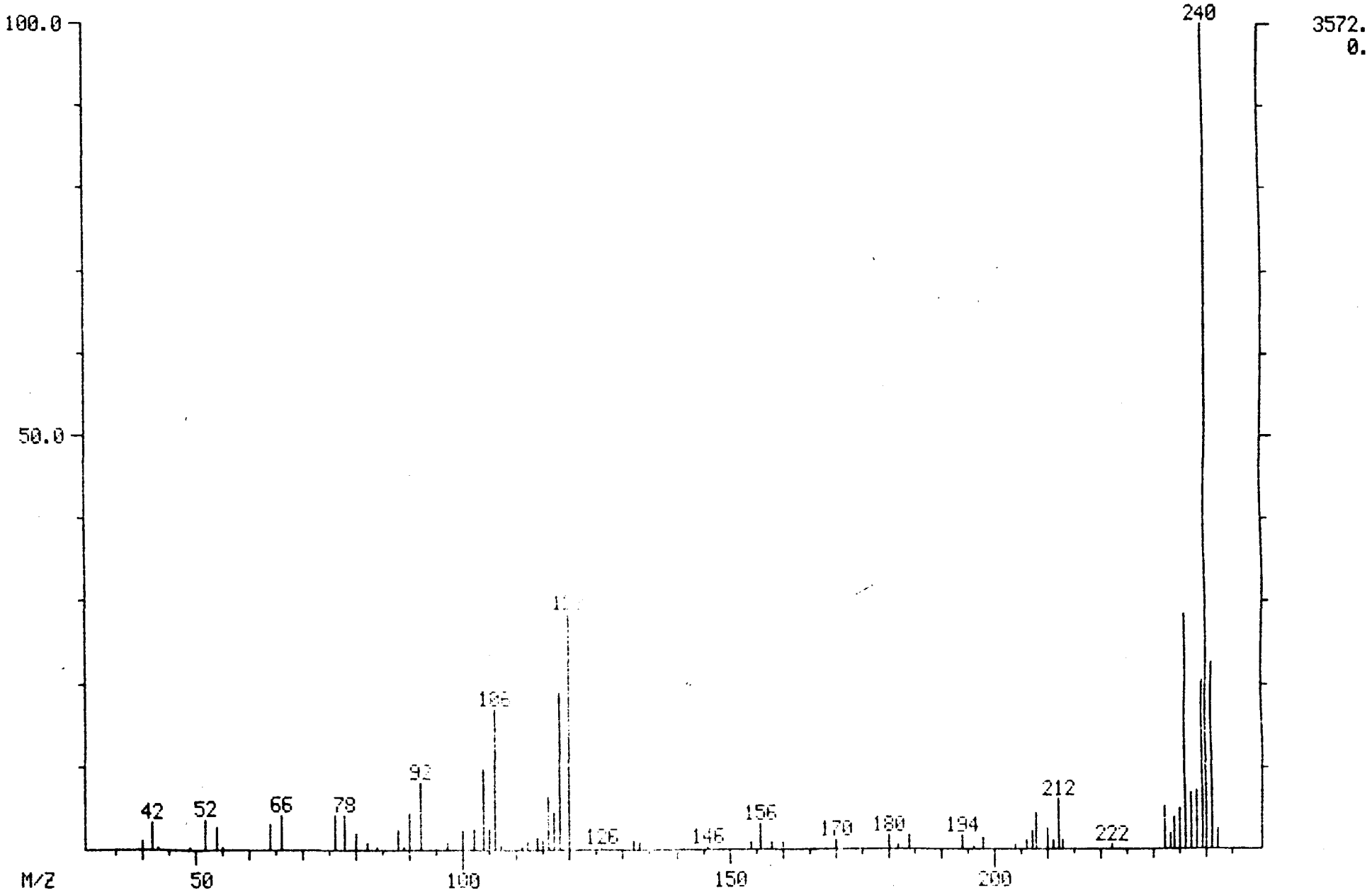
BASE M/Z: 244
RIC: 36736.



MASS SPECTRUM
04/19/91 18:20:00 + 31:13
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 (4P.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #3149
CALI: APR19VG02 #3

BASE M/Z: 240
RIC: 13616.



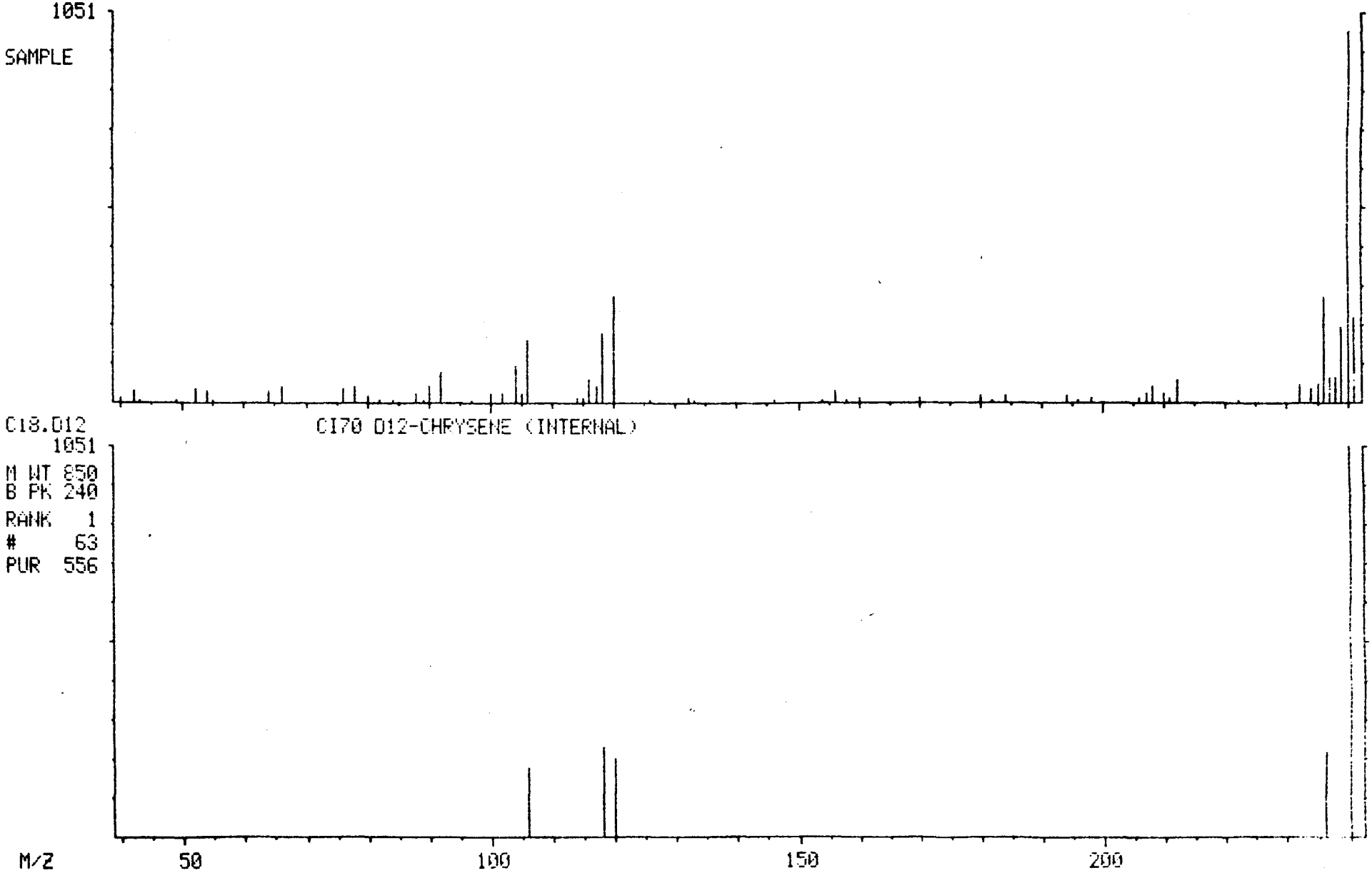
002251

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 18:20:00 + 31:13
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #3149
CALI: APR19VG02 # 3

BASE M/Z: 240
RIC: 13344.

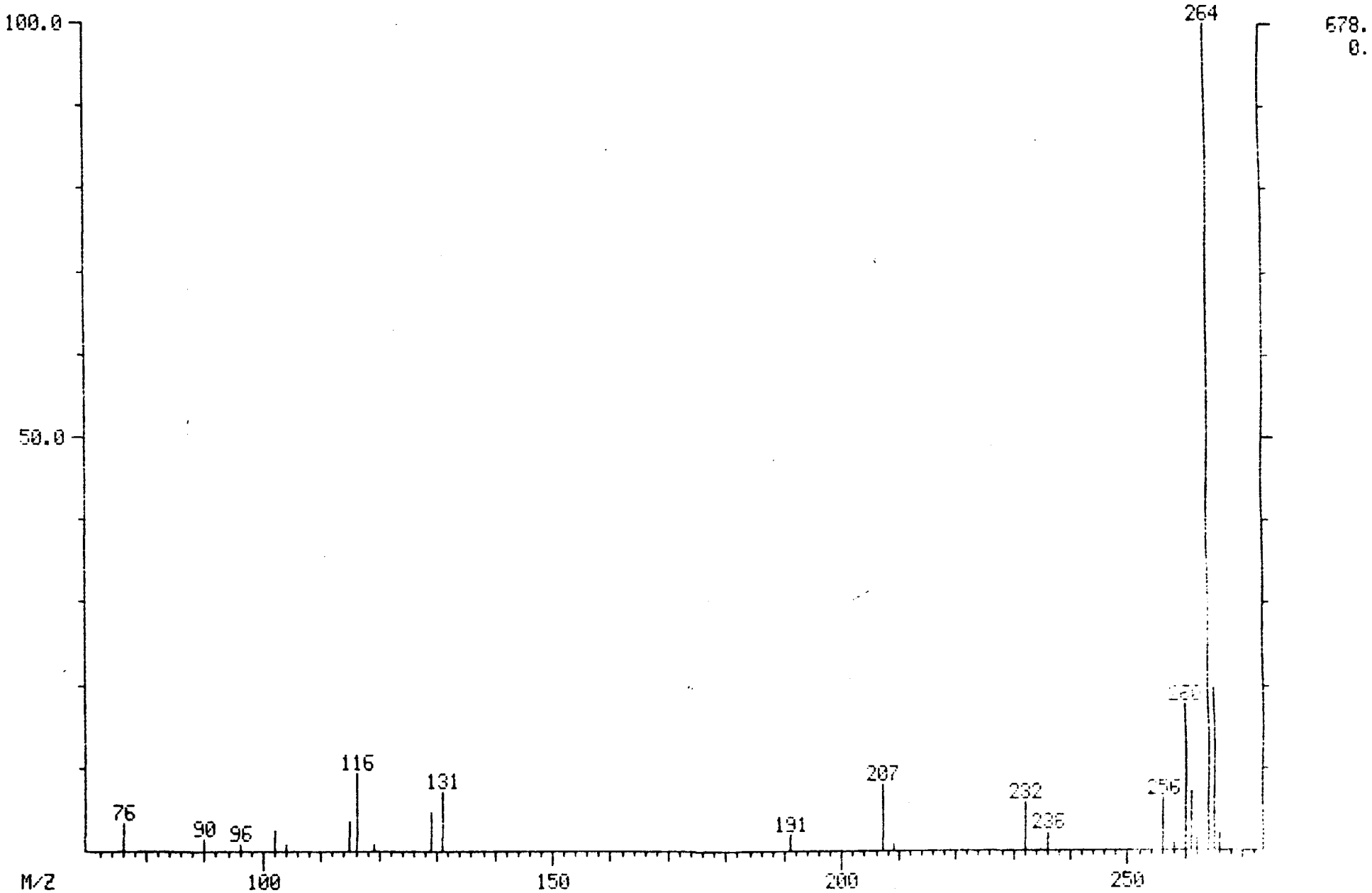
002252



MASS SPECTRUM
04/19/91 18:20:00 + 40:23
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #4074
CALI: APR19VG02 #3

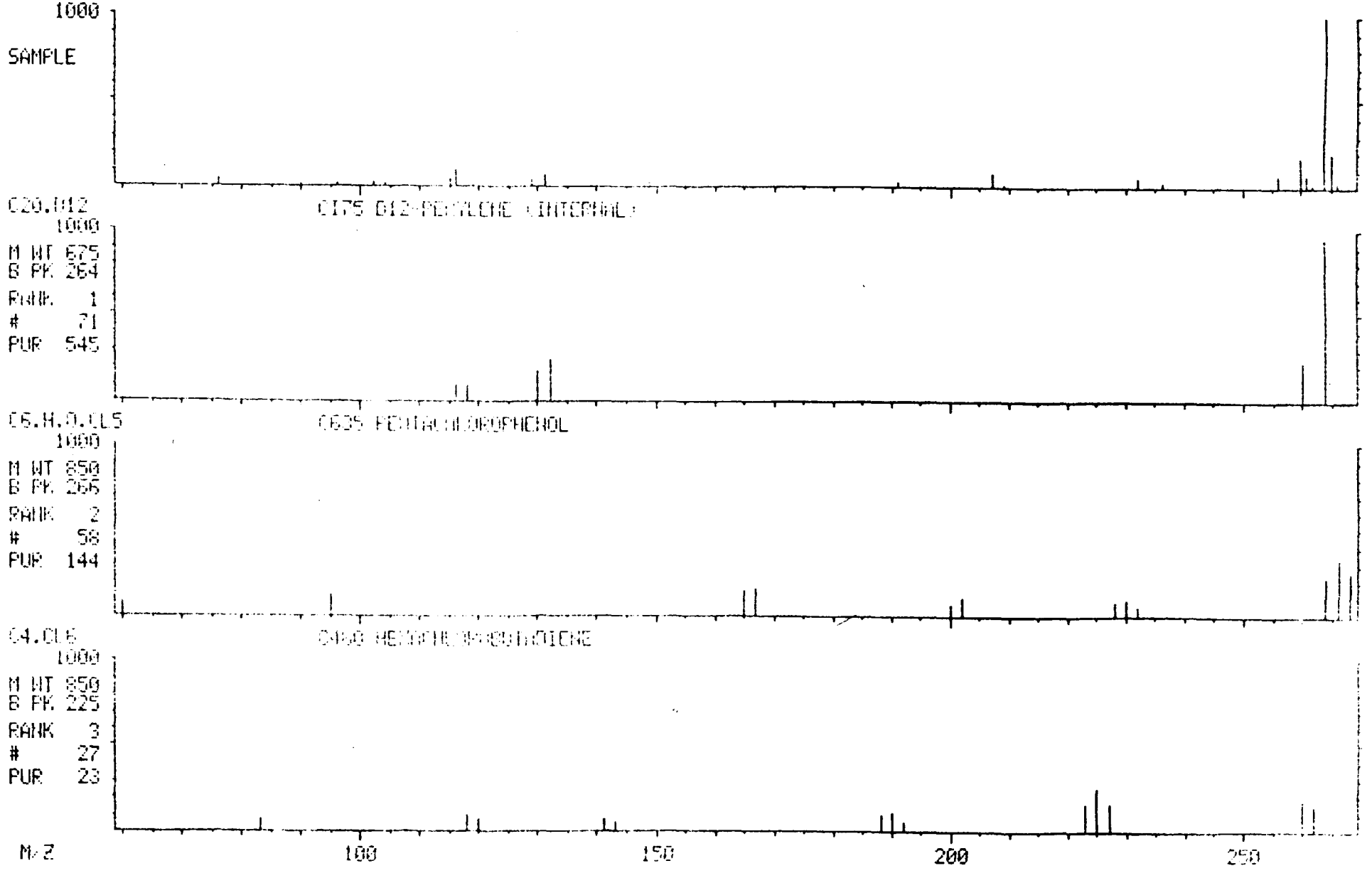
BASE M/Z: 264
RIC: 1416.



MID LIBRARY SEARCH (LIBRARY)
04-19-91 18:20:00 + 40:23
SAMPLE: 90012 GPC CLP 10L.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN SGL DBS CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #4074
CALI: APR19VG02 # 3

BASE M/Z: 264
RIC: 1410.



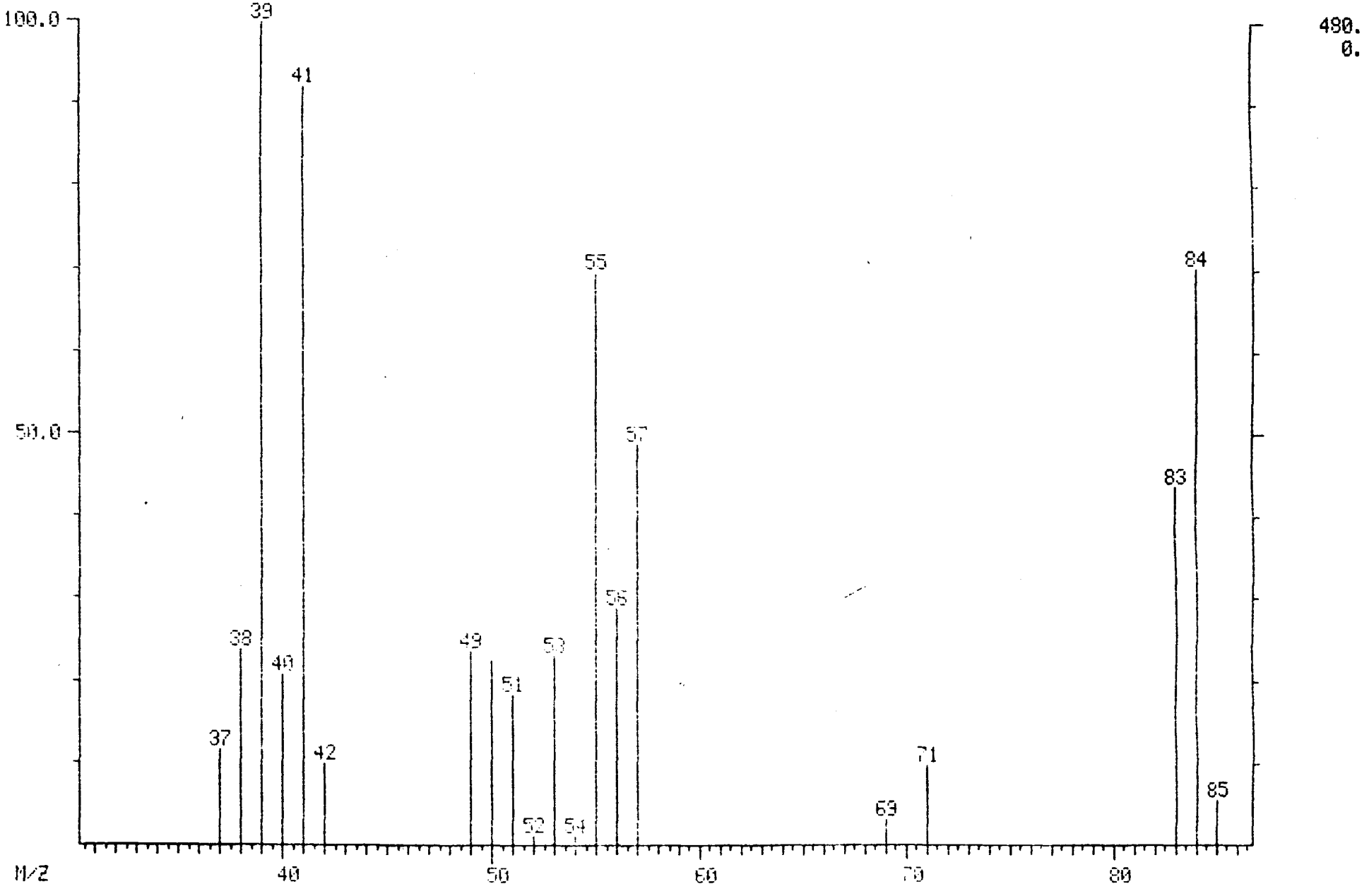
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 18:20:00 + 6:42
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 67 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19UG02 #676
CALI: APR19UG02 #3

BASE M/Z: 39
RIC: 3016.

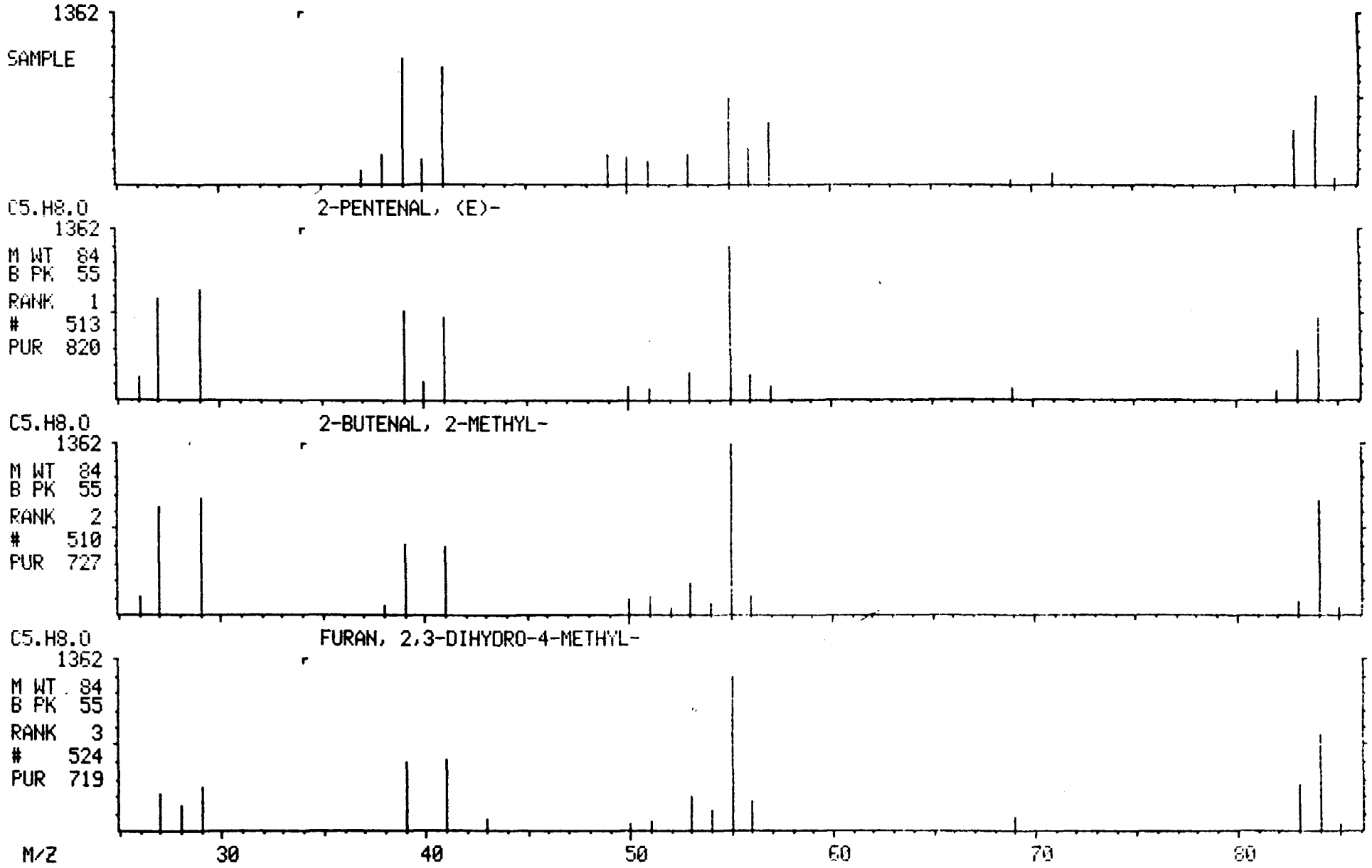
952200



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 6:42
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19UC02 # 676
CALI: APR19UC02 # 3

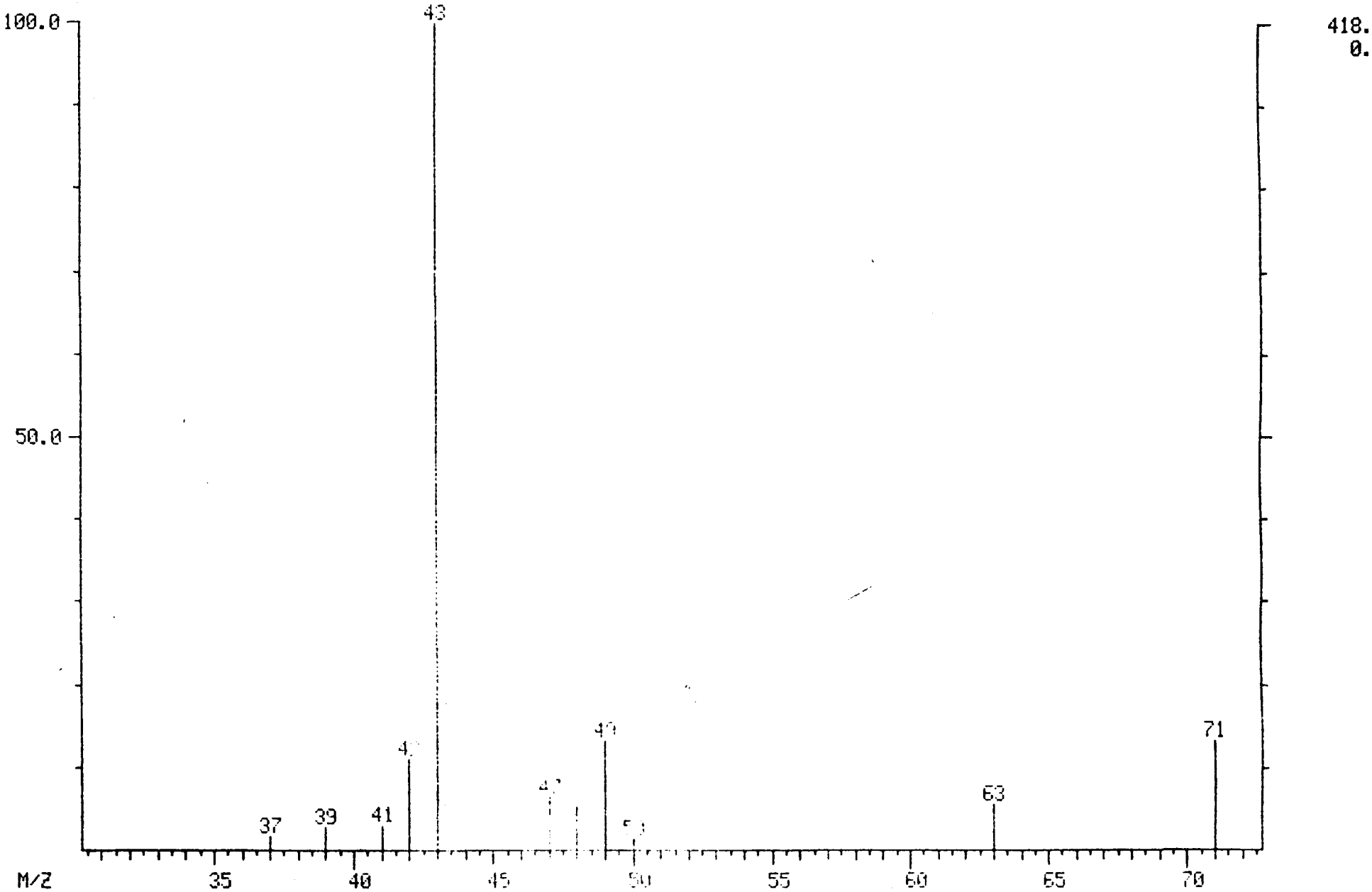
BASE M/Z: 39
RIC: 2956.



MASS SPECTRUM
04/19/91 18:20:00 + 7:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
TEMP: 75 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #763
CALI: APR19VG02 #3

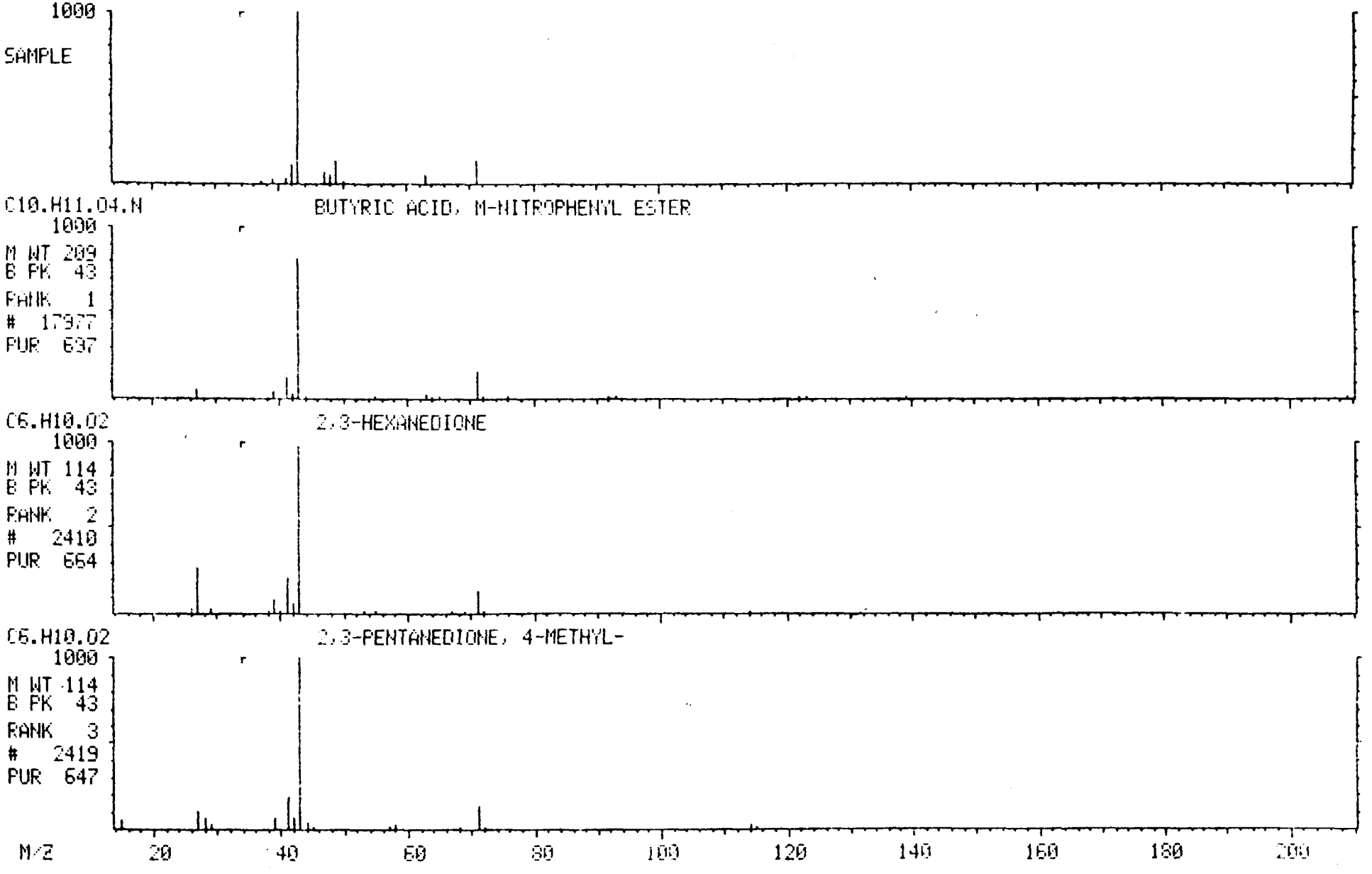
BASE M/Z: 43
RIC: 686.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 7:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 158 2N 0T)

DATA: APR19VG02 # 763
CALI: APR19VG02 # 3

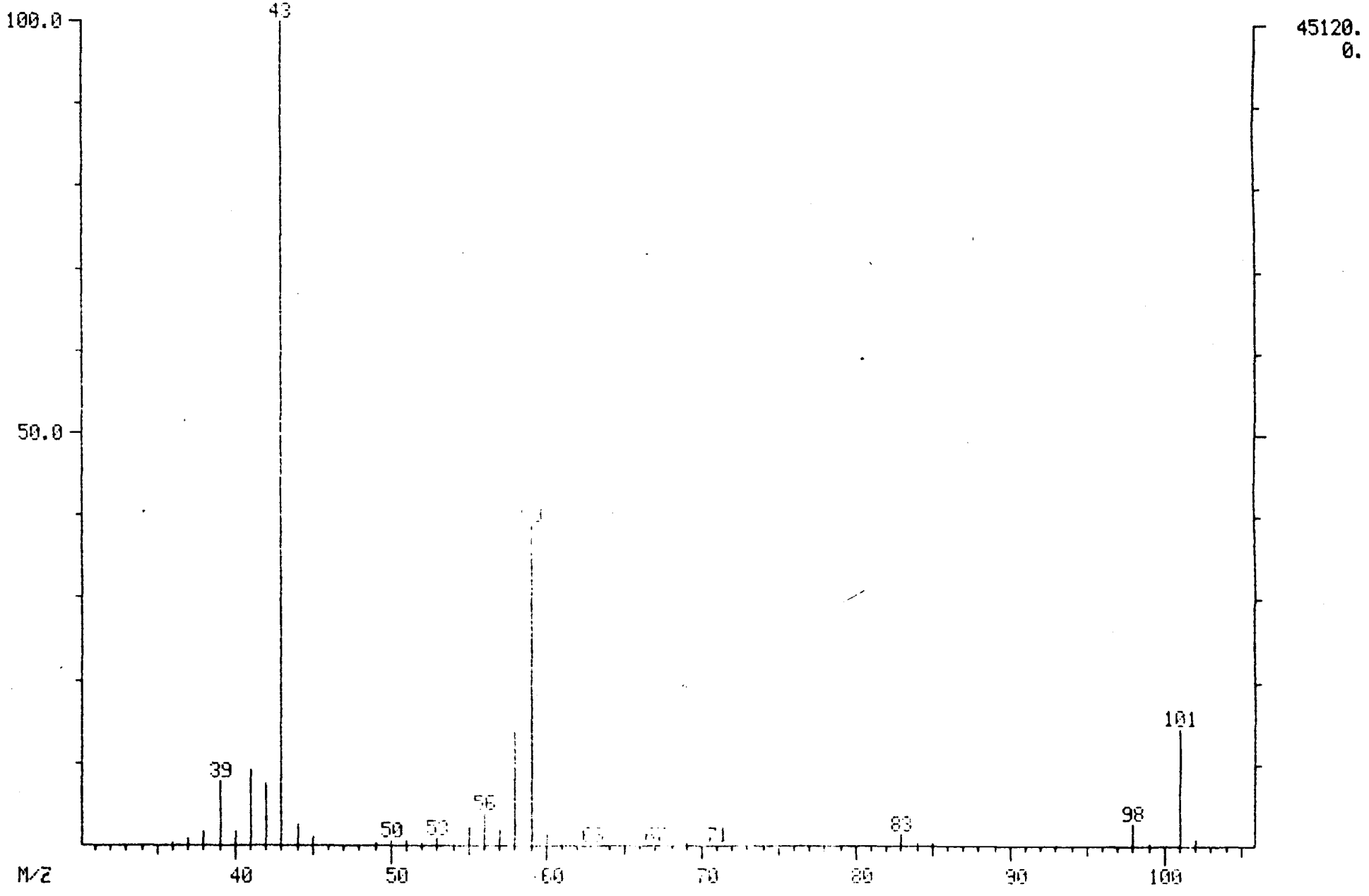
BASE M/Z: 43
RIC: 686.



MASS SPECTRUM
04/19/91 18:20:00 + [illegible]
SAMPLE: 90912 GPC CLP 10[illegible]
CONDS.: 40 TO 270 @ 10 [illegible]
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #821
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 98560.

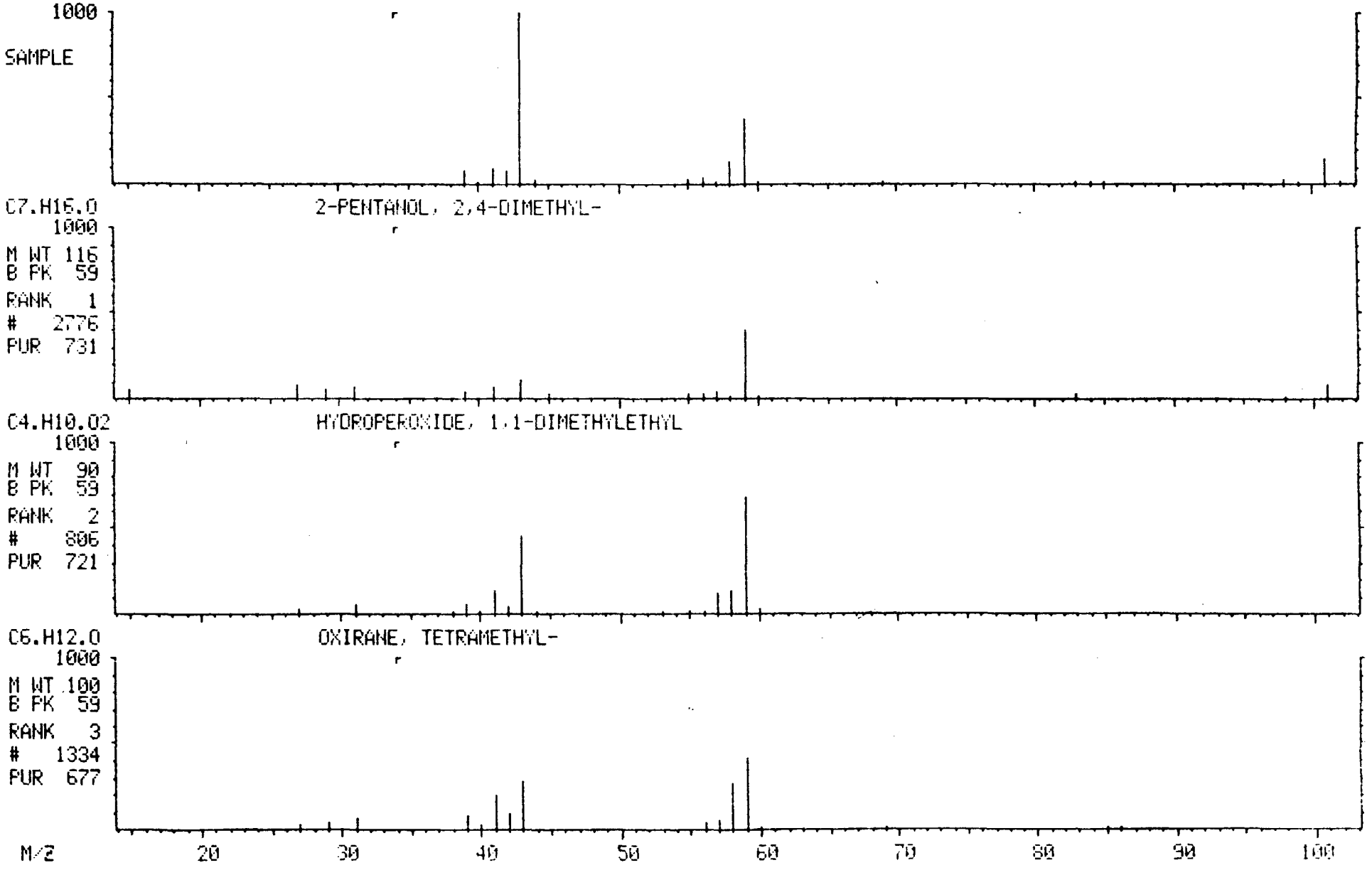


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 8:08
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 # 821
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 95488.

T92200

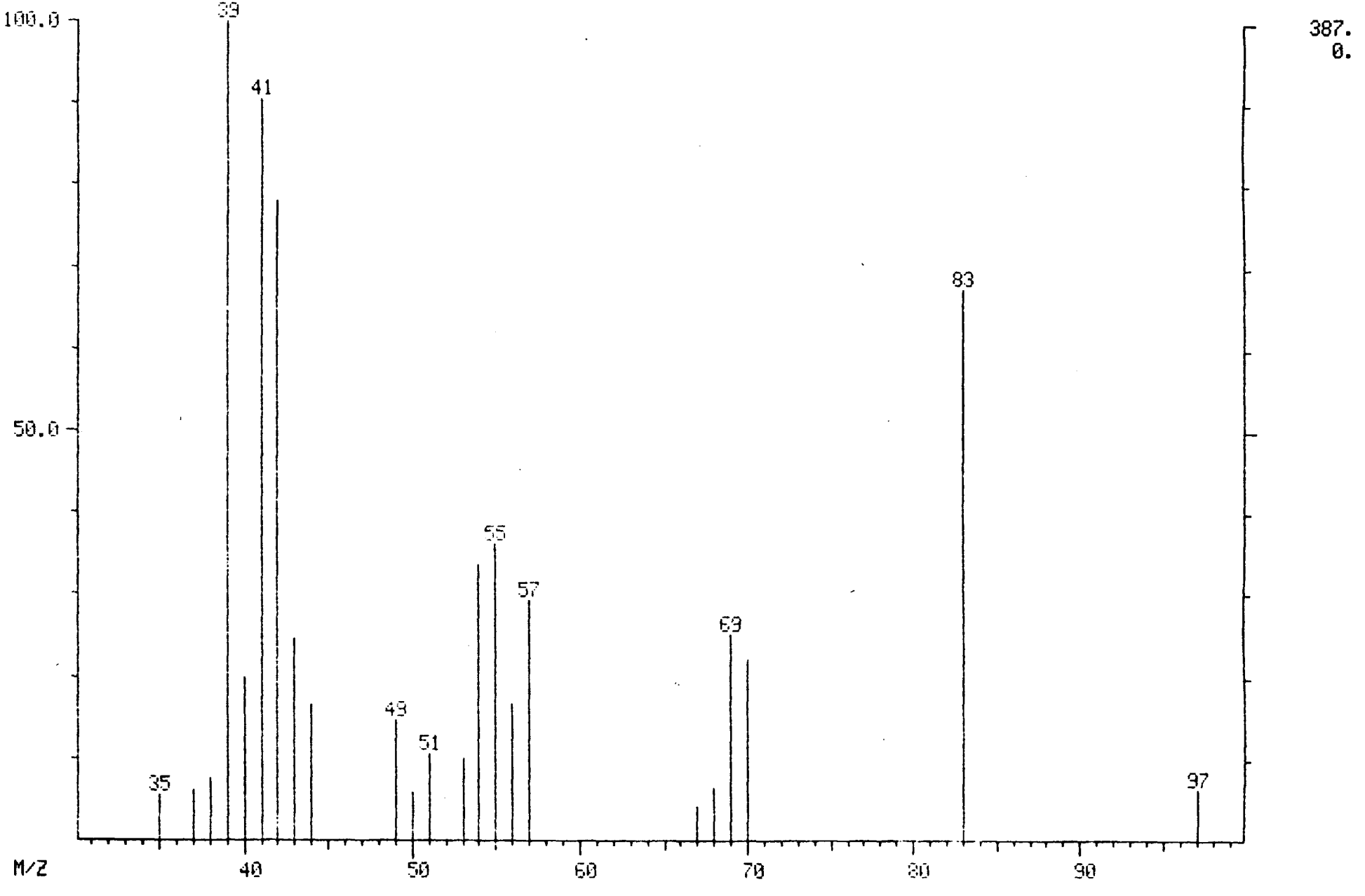


MASS SPECTRUM
04/19/91 18:20:00 + 8:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #864
CALI: APR19VG02 #3

BASE M/Z: 39
RIC: 2472.

002262

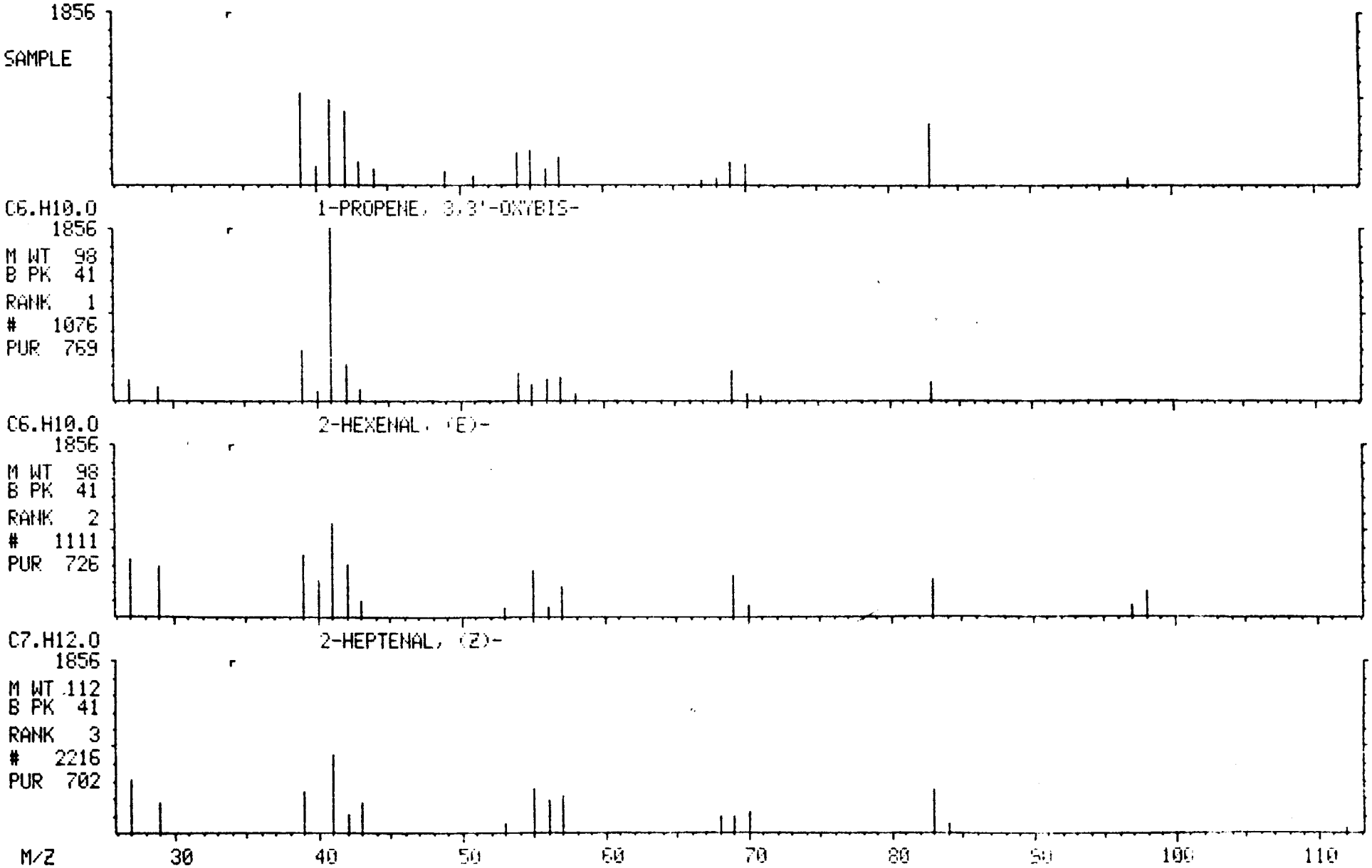


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 8:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19UG02 # 364
CALI: APR19UG02 # 3

BASE M/Z: 39
RIC: 2336.

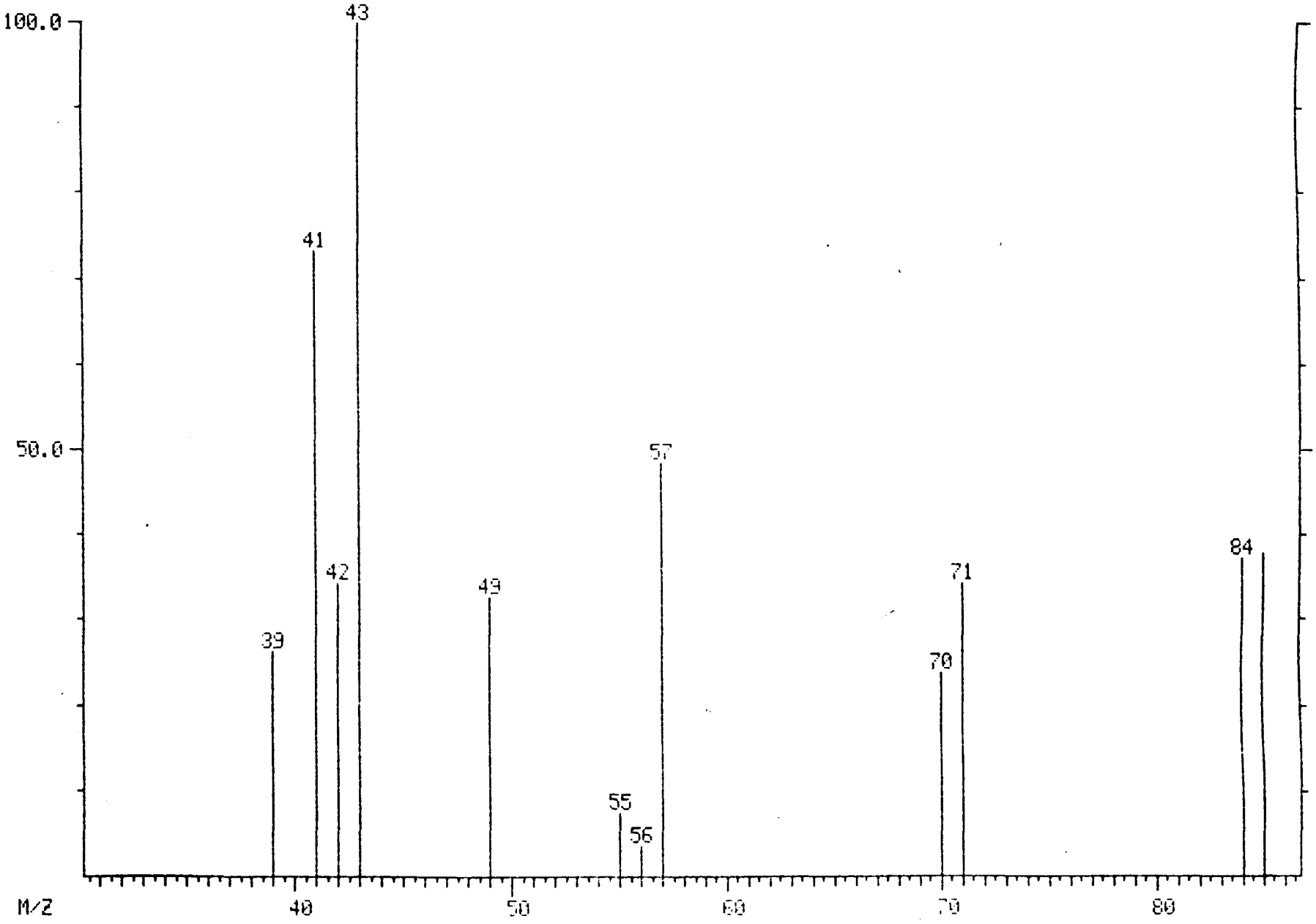
002263



MASS SPECTRUM
04/19/91 18:20:00 + 8:42
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 87 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #877
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 789.

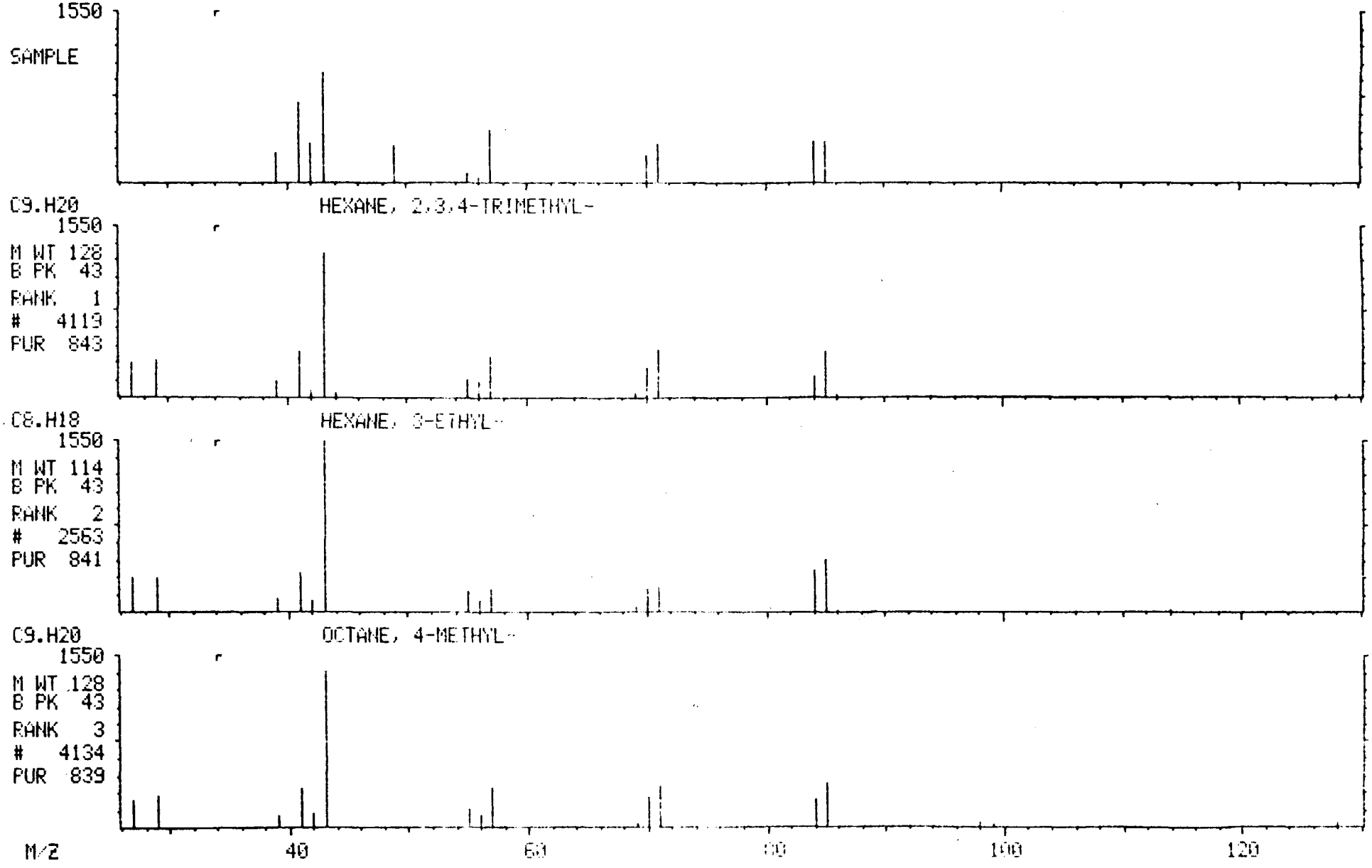


MID LIBRARY SEARCH (LIBFAPINB)
04/19/91 18:20:00 + 8:42
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 # 877
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 789.

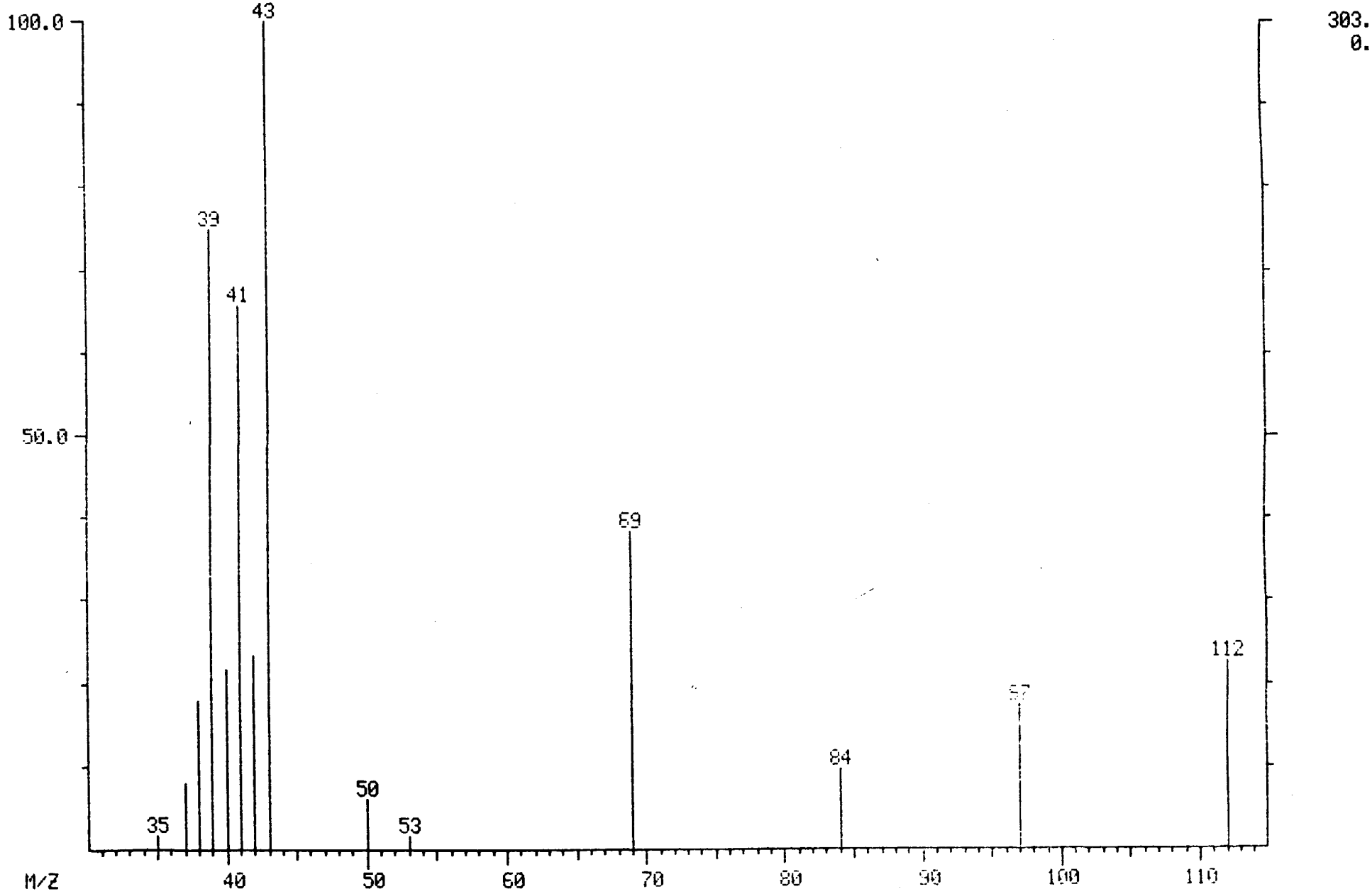
00235



MASS SPECTRUM
04/19/91 18:20:00 + 10:11
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1027
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 1242.

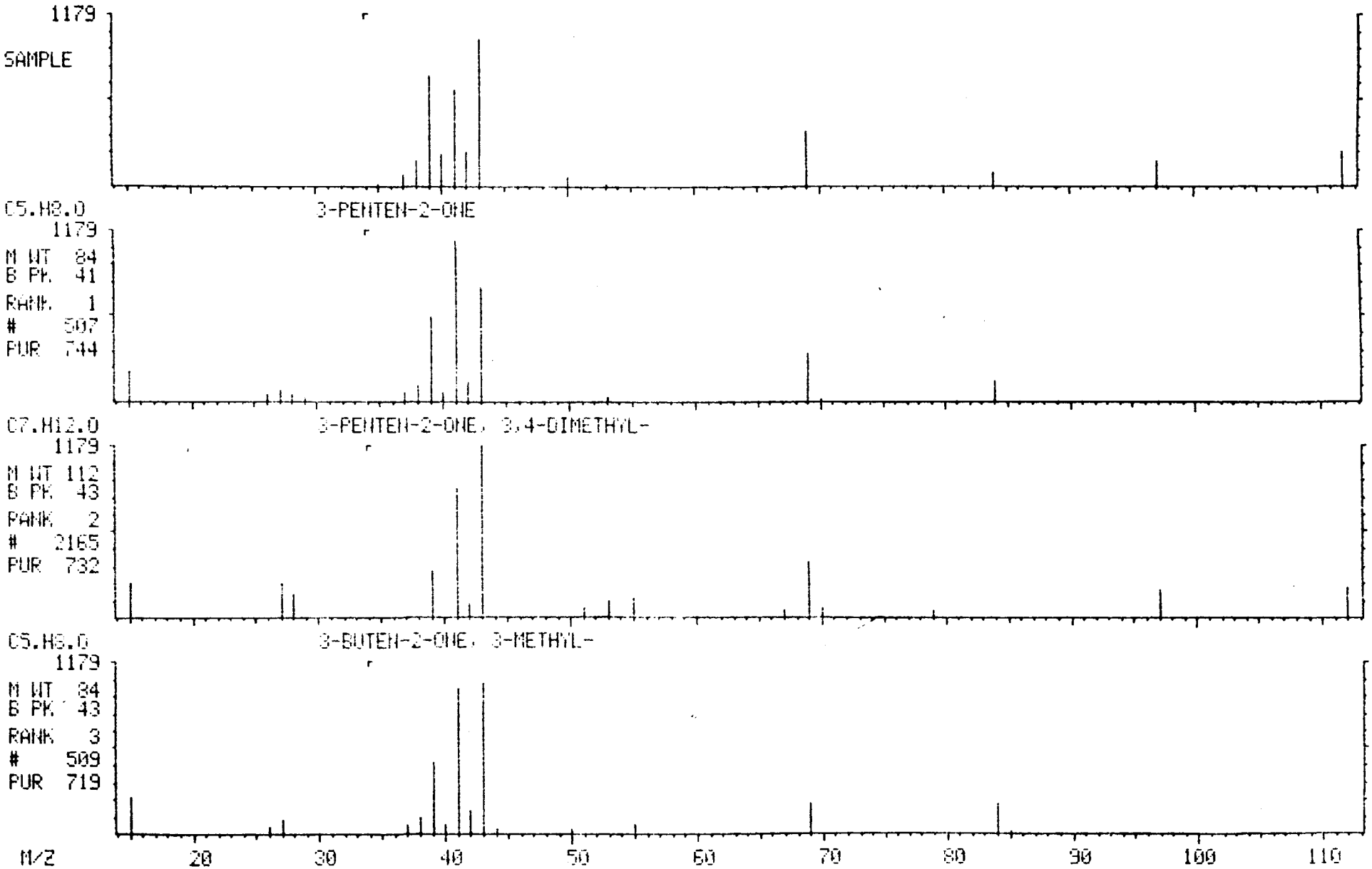


00256

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 10:11
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1027
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 1242.

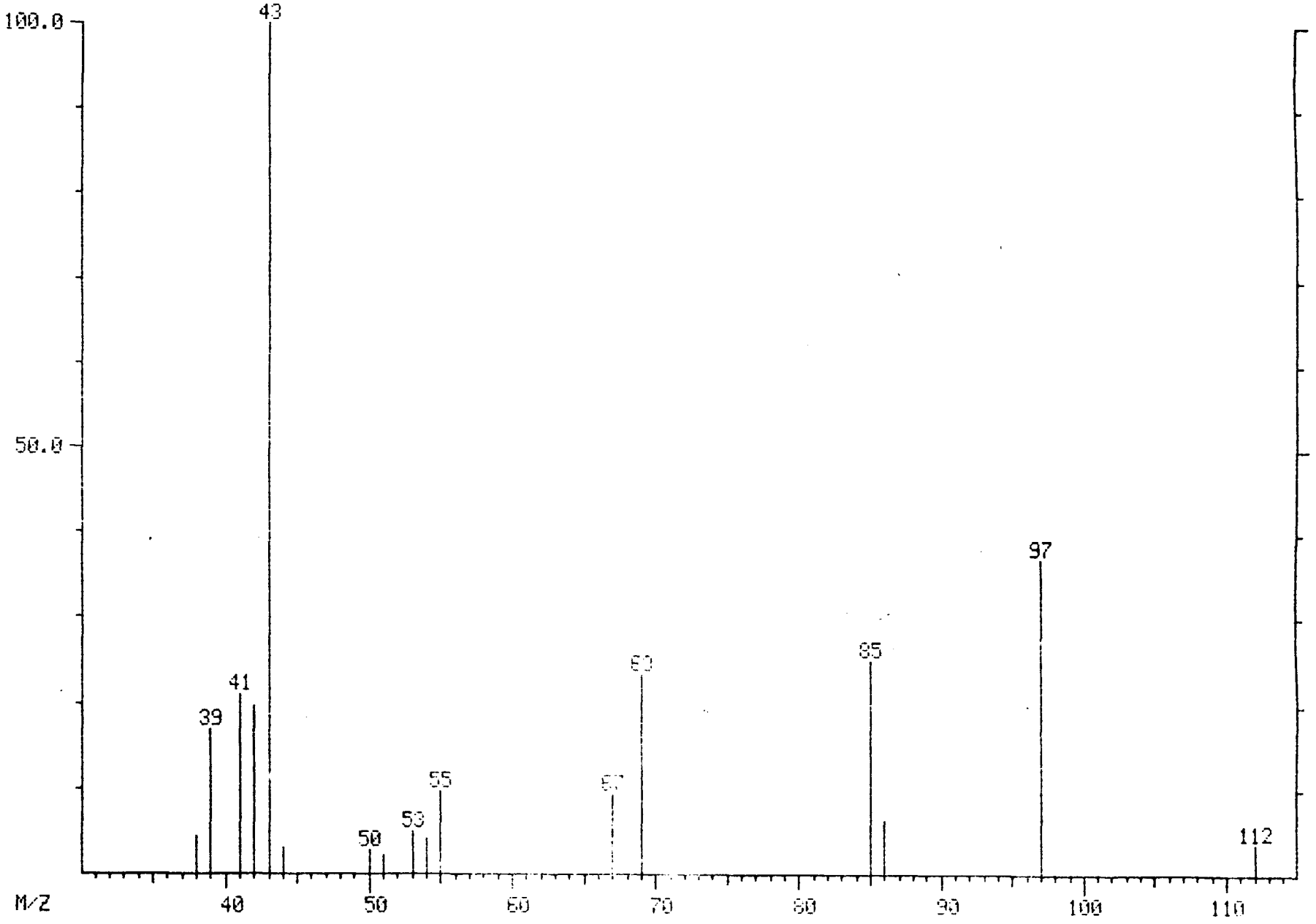


1326.00

MASS SPECTRUM
04/19/91 18:20:00 + 10:27
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 105 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1055
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 1760.

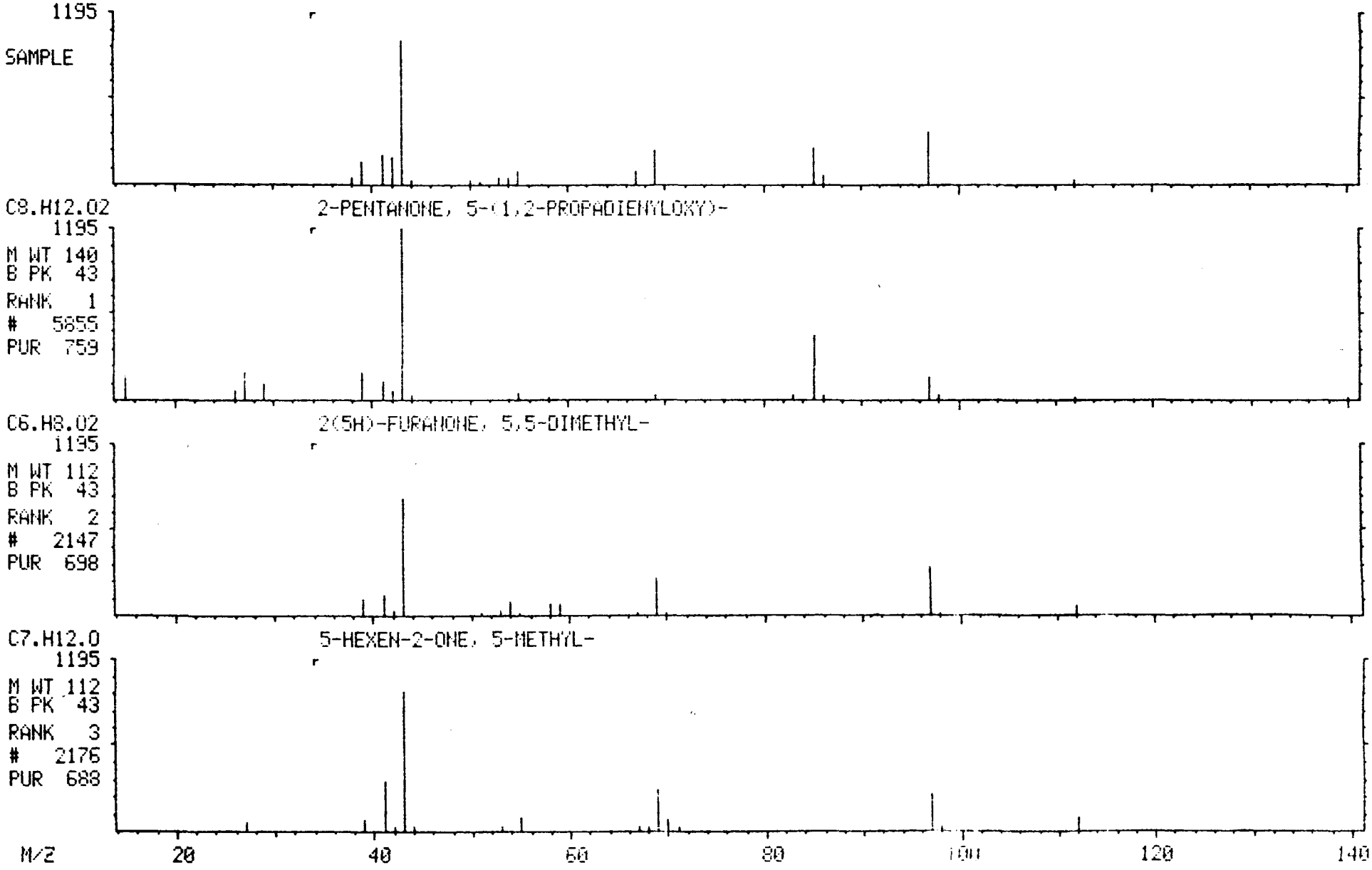


598.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 10:27
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1055
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 1760.

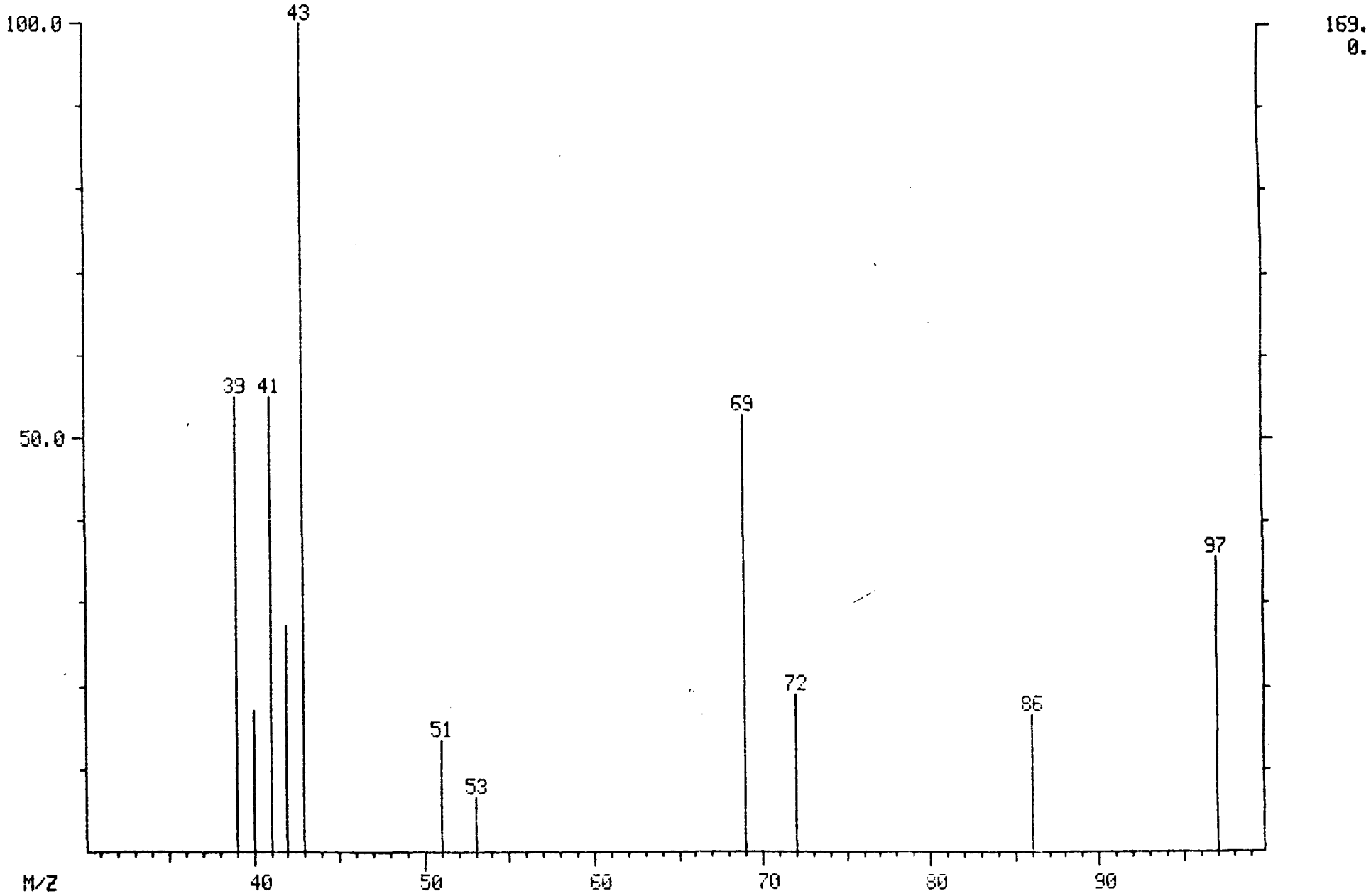


002200

MASS SPECTRUM
04/19/91 18:20:00 + 10:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1066
CALI: APR19VG02 #3

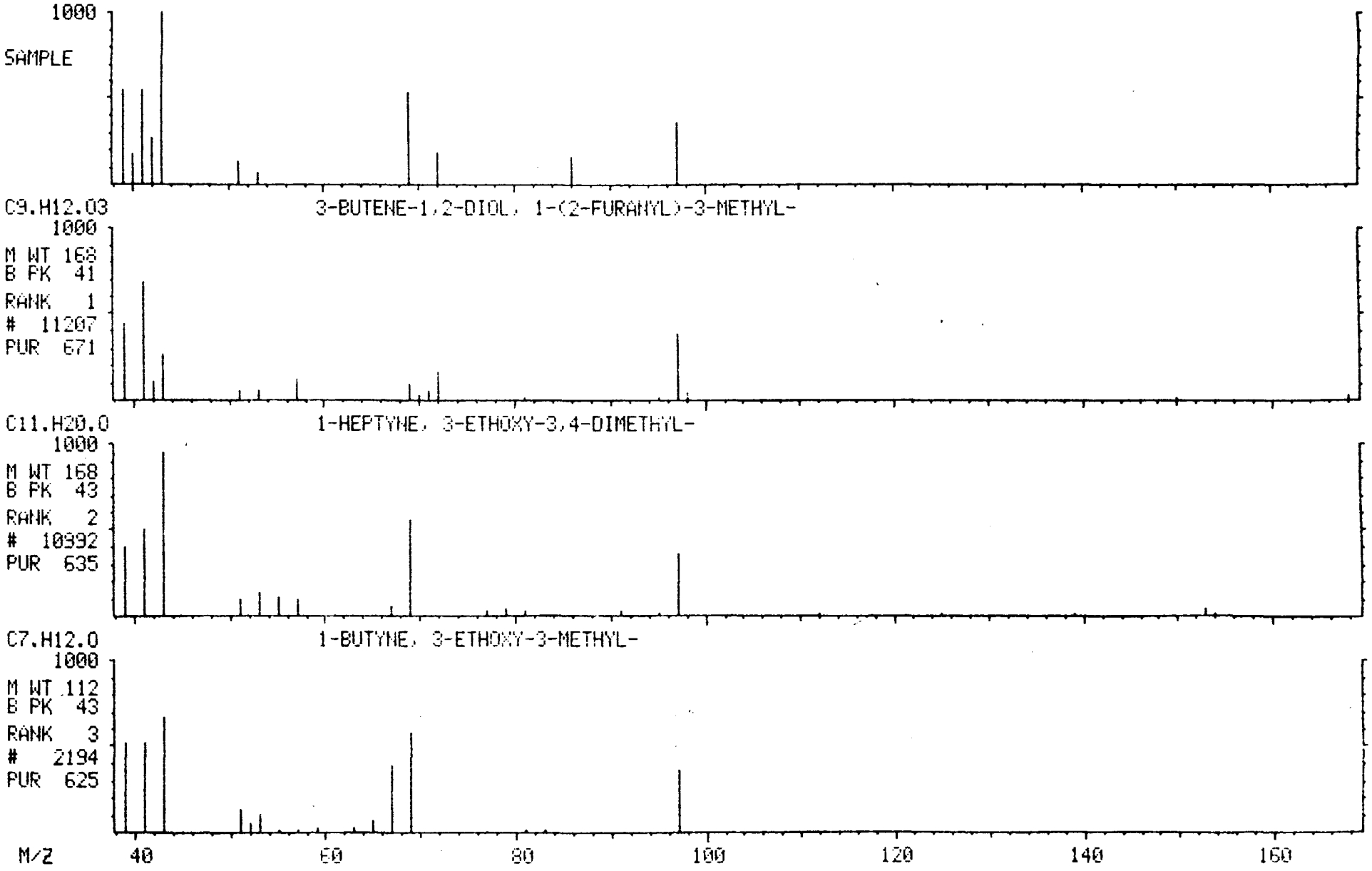
BASE M/Z: 43
RIC: 673.



MID LIBRARY SEARCH (LIBPAFNB)
04/19/91 18:20:00 + 10:34
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1066
CALI: APR19VG02 # 3

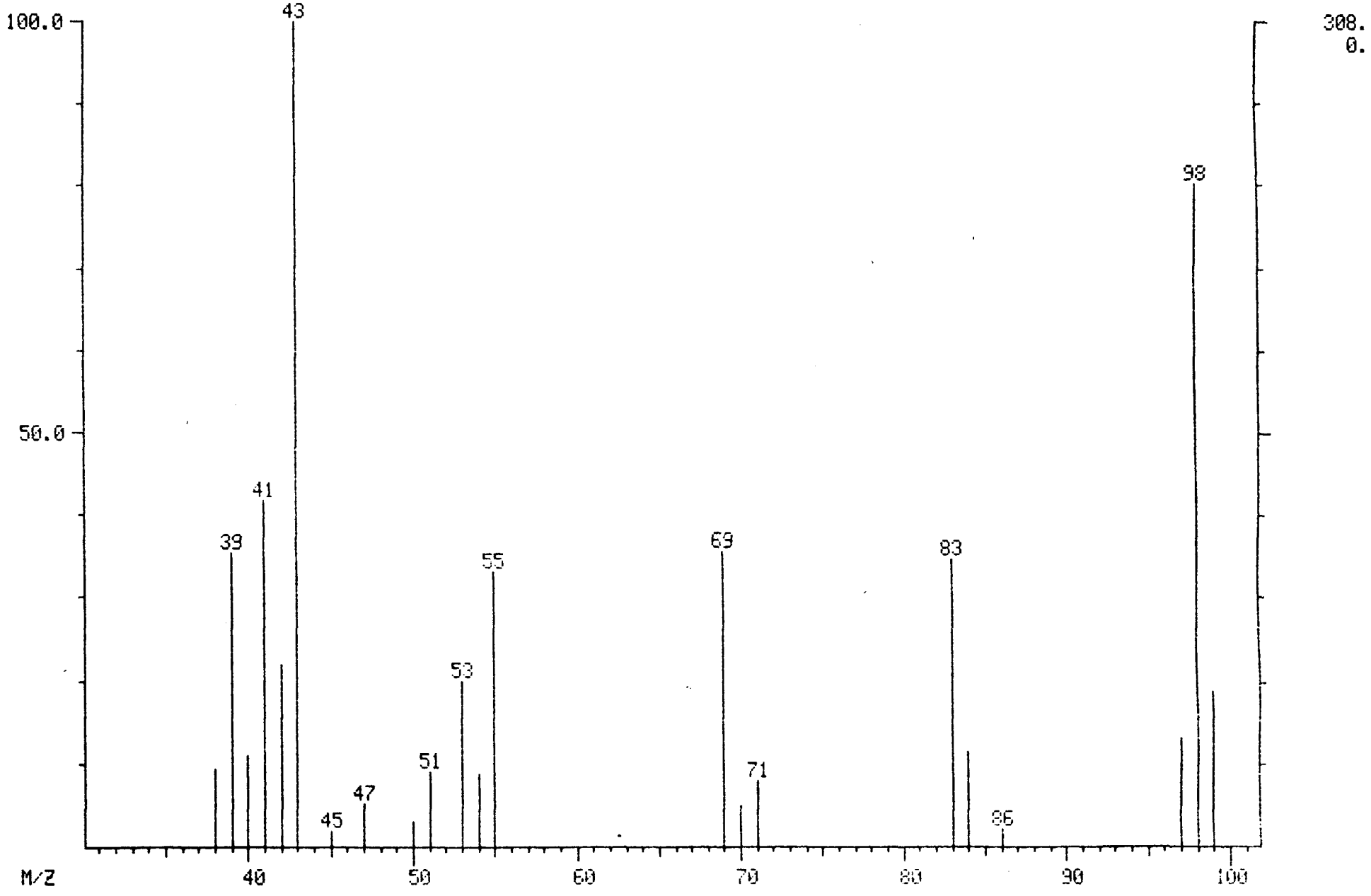
BASE M/Z: 43
RIC: 673.



MASS SPECTRUM
04/19/91 18:20:00 + 11:14
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1133
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 1582.

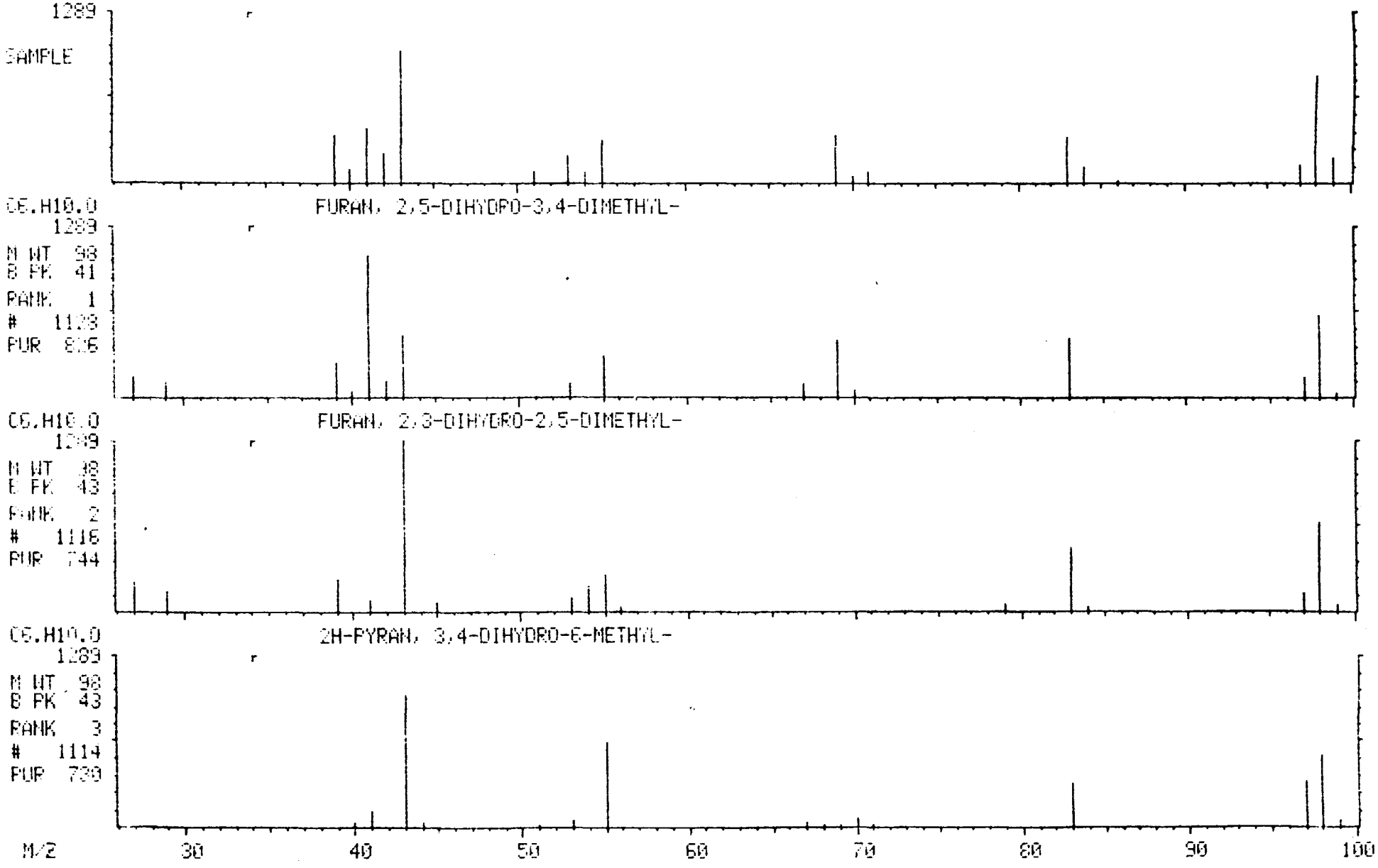


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 11:14
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1133
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 1520.

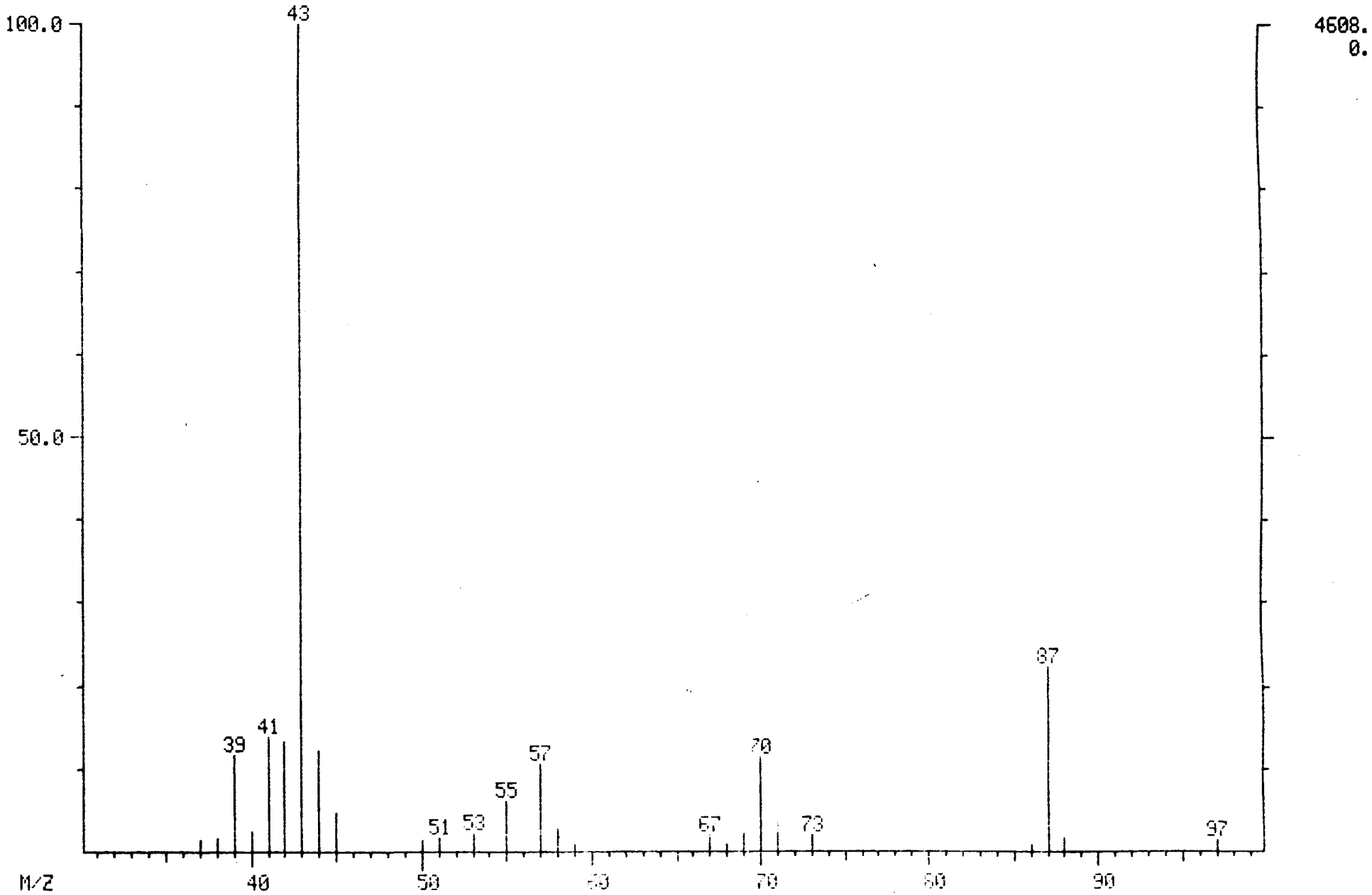
002273



MASS SPECTRUM
04/19/91 18:20:00 + 11:40
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1177
CALI: APR19VG02 #3

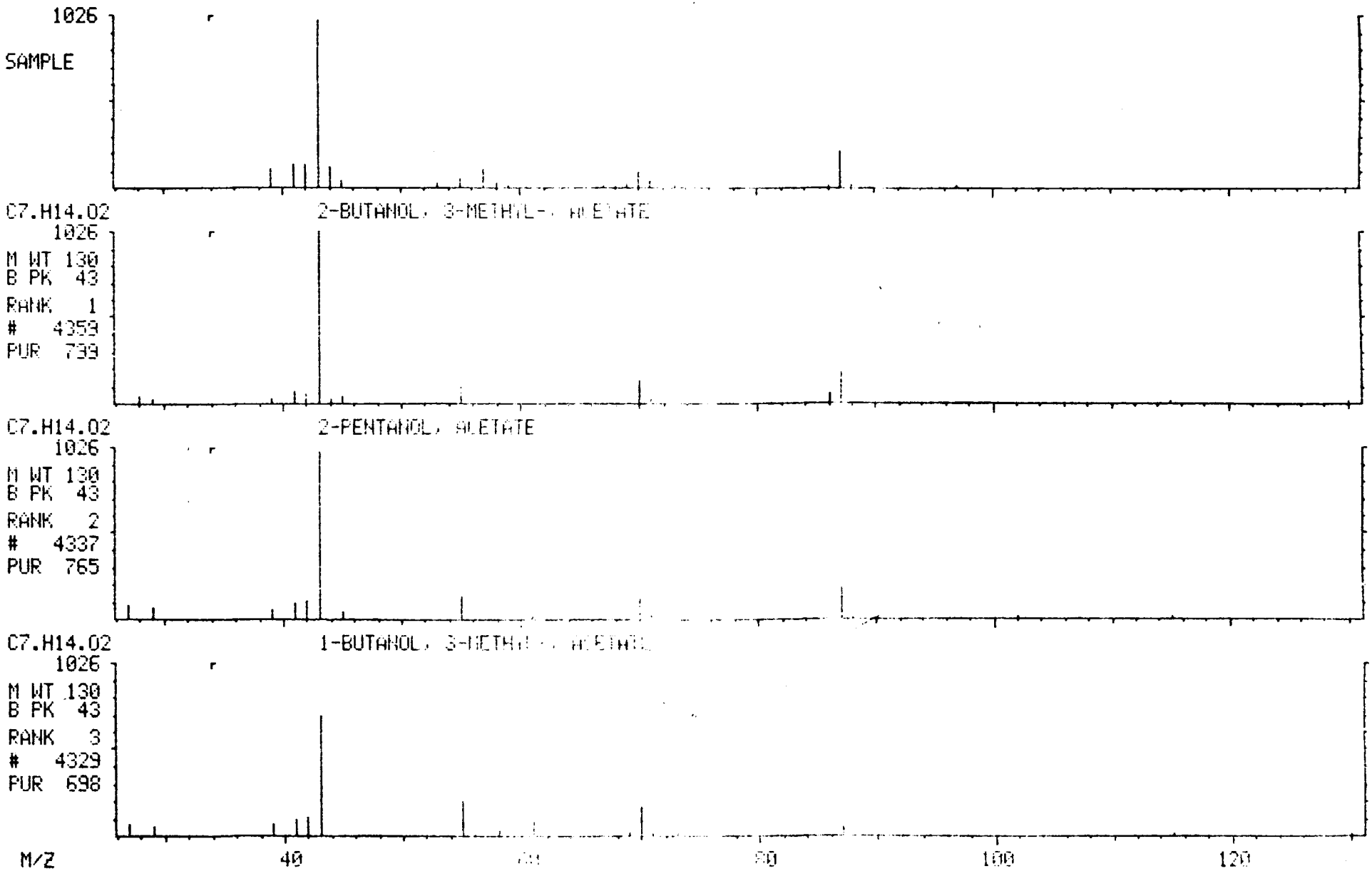
BASE M/Z: 43
RIC: 10832.



MID LIBRARY SEARCH (LIBRARY#5)
04/19/91 18:20:00 + 11:40
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19UG02 #1177
CALI: APR19UG02 # 3

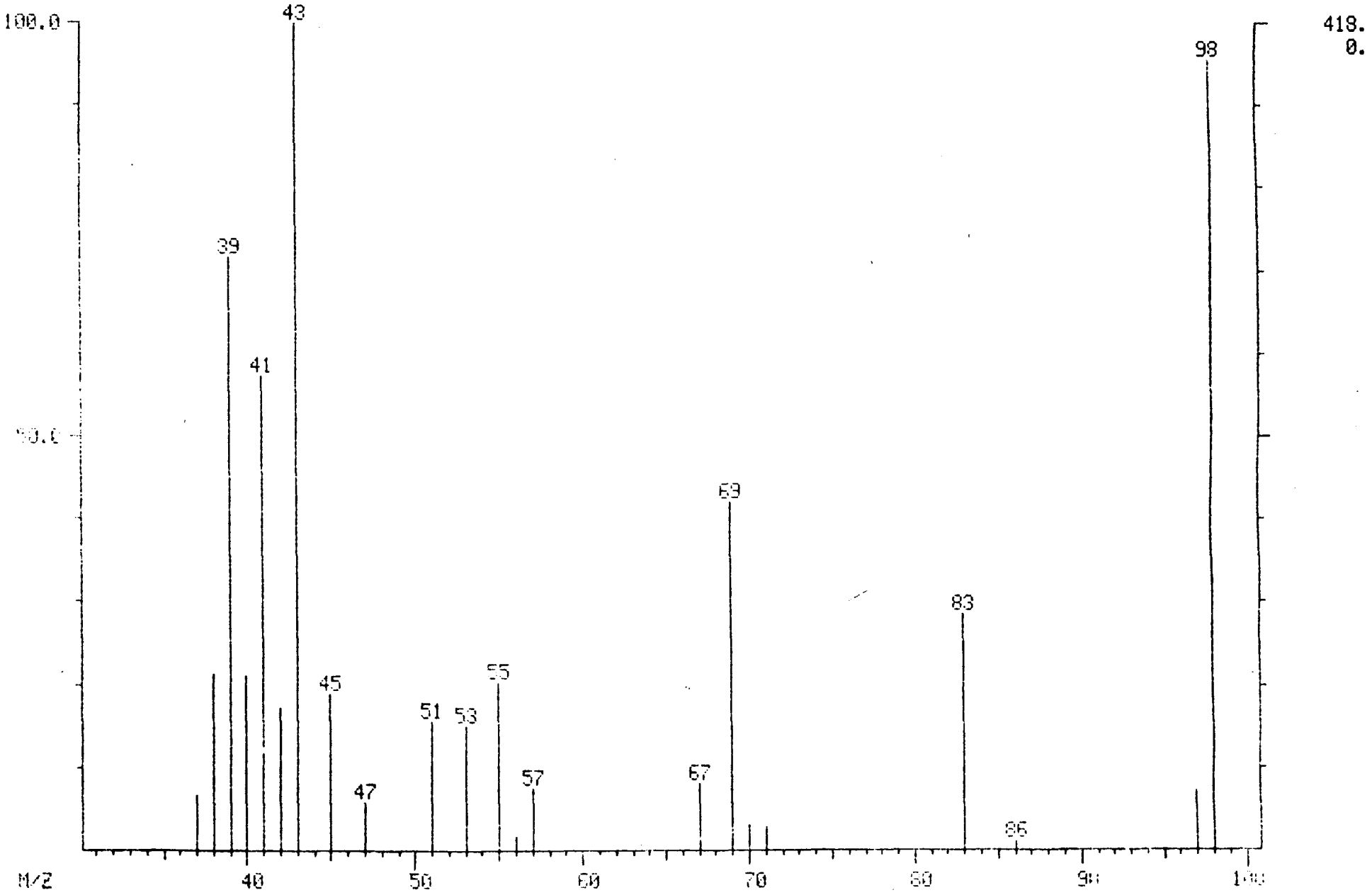
BASE M/Z: 43
RIC: 10432.



MASS SPECTRUM
04/19/91 18:20:00 + 12:09
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATH: APR19VG02 #1225
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 2380.

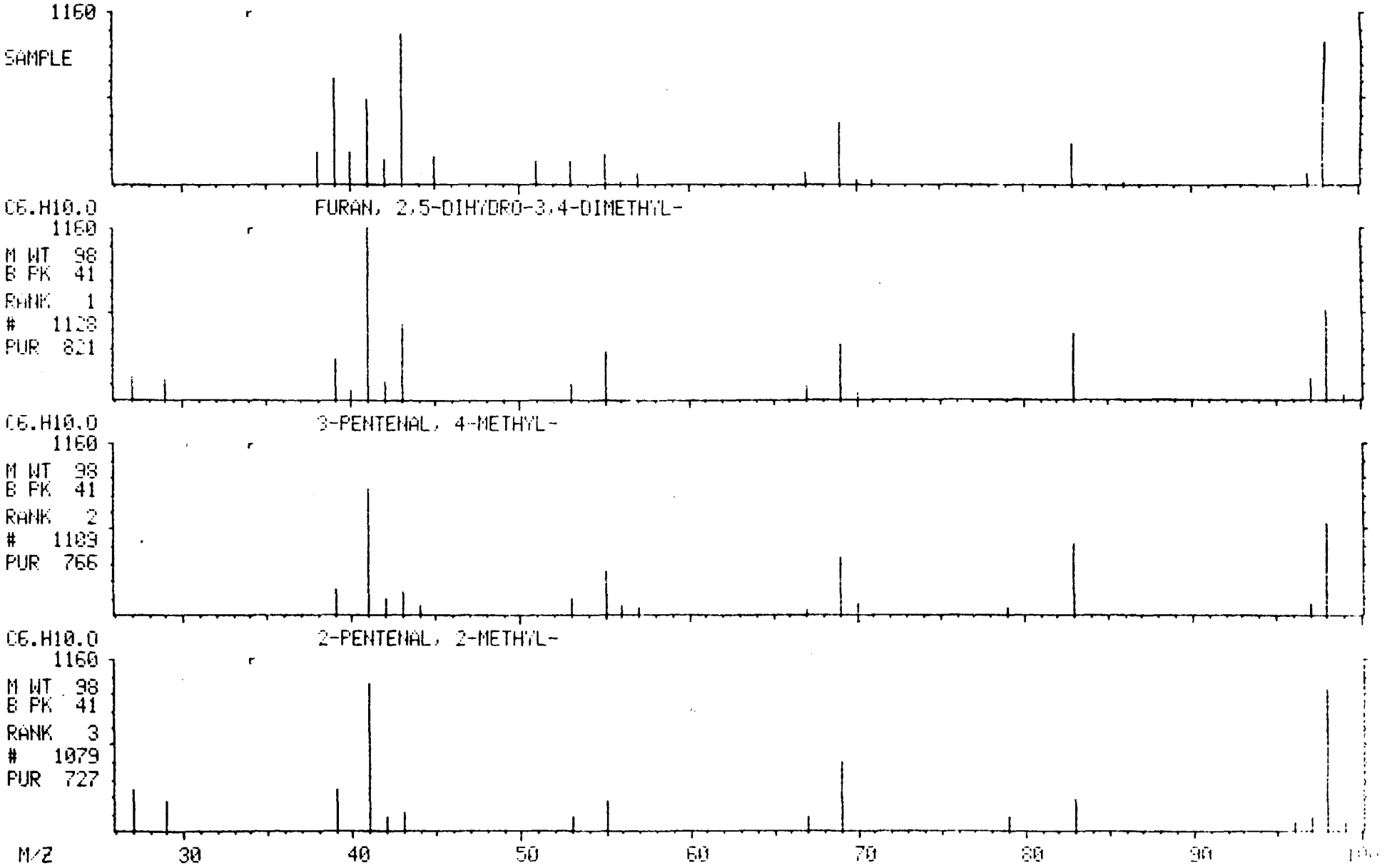


00276

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 18:20:00 + 12:09
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1225
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 2328.



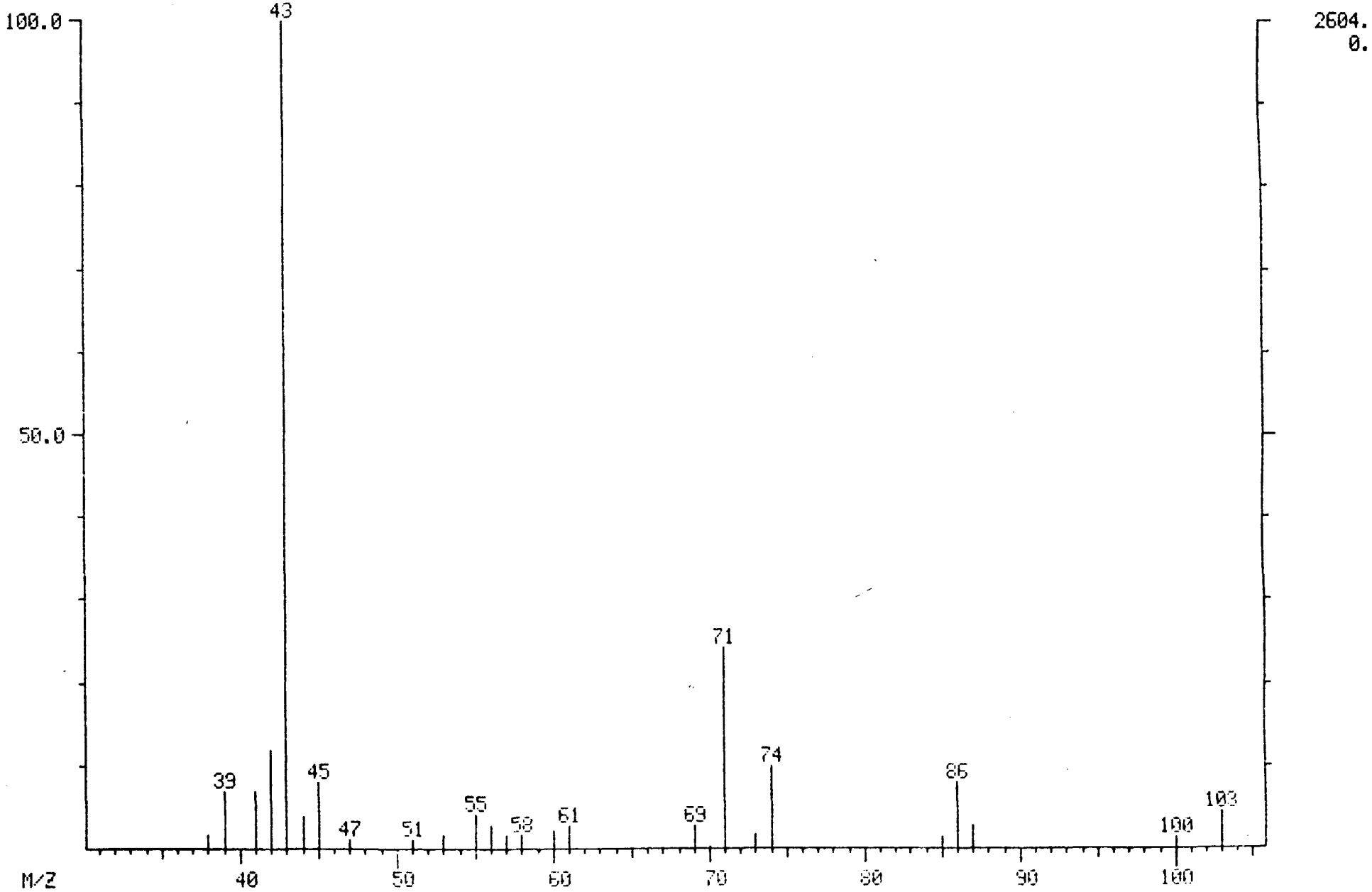
002277

MASS SPECTRUM
04/19/91 18:20:00 + 12:29
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 125 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1259
CALI: APR19VG02 #3

BASE M/Z: 43
RIC: 5624.

00227.8

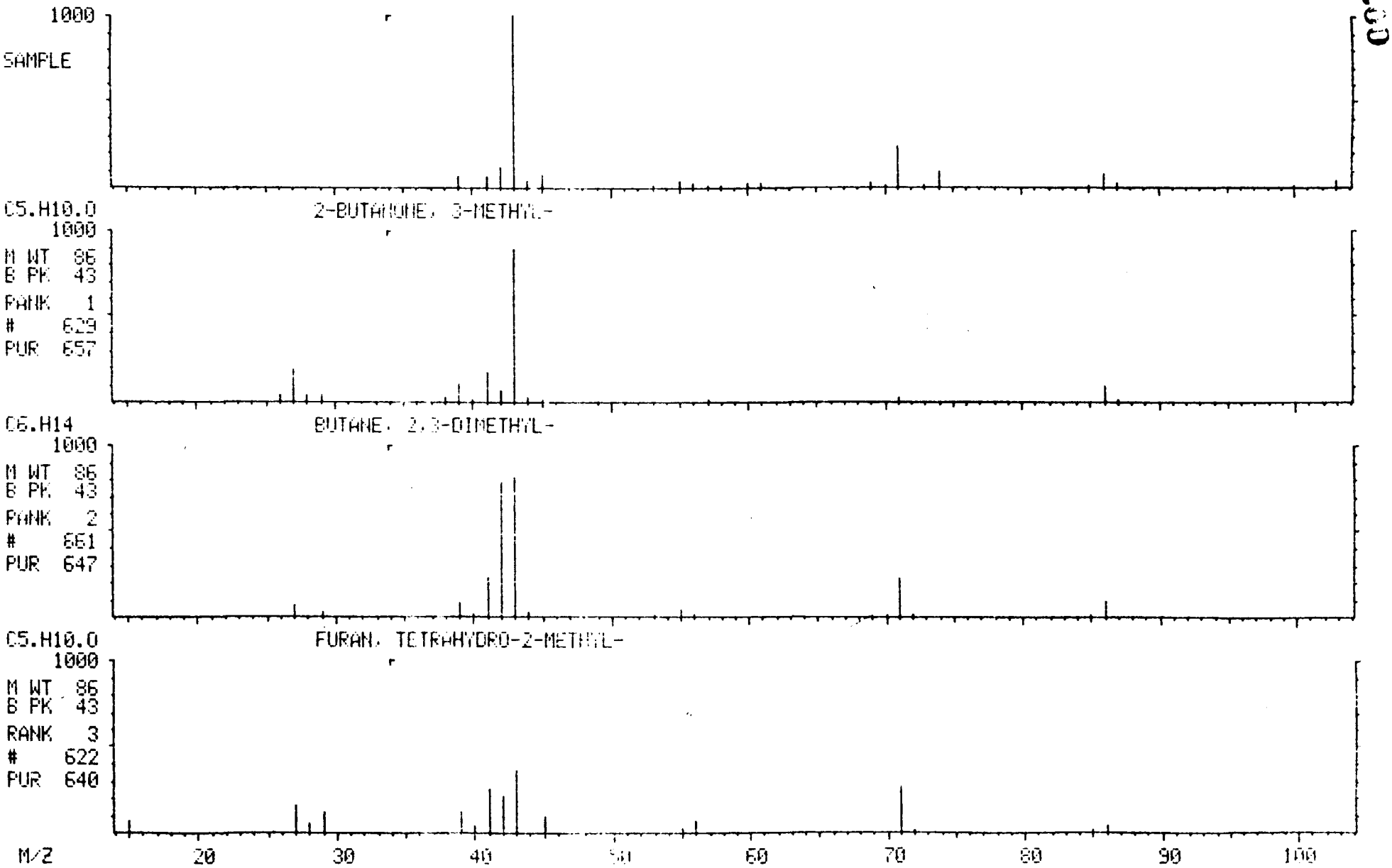


MID LIBRARY SEARCH (LIBRARYND)
04/19/91 18:20:00 + 12:29
SAMPLE: 90912 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG02 #1259
CALI: APR19VG02 # 3

BASE M/Z: 43
RIC: 5520.

6-3600



SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: --

Lab Code: IEPA Case No.: STAND SAS No.: _____ SDG No.: _____

Instrument ID: INC500 Calibration Date(s): 03/27/91 03/27/91

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAR27GK03 RRF50 = MAR27GK02
RRF80 = MAR27GK04 RRF120= MAR27GK05 RRF160= MAR27GK06

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol *	1.231	1.224	1.013	0.938	0.857	1.053	16.0*
bis(2-Chloroethyl)Ether	1.010	0.995	0.832	0.770	0.688	0.859	16.4
2-Chlorophenol	0.879	0.875	0.740	0.696	0.640	0.766	14.0
1,3-Dichlorobenzene	0.952	0.920	0.740	0.687	0.645	0.789	17.6
1,4-Dichlorobenzene *	1.001	0.979	0.777	0.700	0.664	0.824	19.0*
Benzyl Alcohol	0.551	0.561	0.472	0.461	0.418	0.493	12.4
1,2-Dichlorobenzene	0.925	0.888	0.721	0.672	0.634	0.768	17.0
2-Methylphenol	0.862	0.860	0.698	0.672	0.619	0.742	15.1
bis(2-Chloroisopropyl)Ether	1.491	1.570	1.242	1.199	1.064	1.313	16.1
4-Methylphenol	0.903	0.883	0.718	0.694	0.646	0.769	15.2
N-Nitroso-Di-n-Propylamine #	0.736	0.735	0.618	0.620	0.576	0.657	11.2#
Hexachloroethane	0.447	0.455	0.364	0.349	0.337	0.390	14.4
Nitrobenzene	0.469	0.508	0.403	0.401	0.387	0.434	12.1
Isophorone	0.842	0.916	0.749	0.747	0.738	0.798	9.8
2-Nitrophenol *	0.214	0.219	0.192	0.196	0.188	0.202	6.8*
2,4-Dimethylphenol	0.357	0.423	0.343	0.354	0.333	0.362	9.8
Benzoic Acid		0.193	0.163	0.174	0.174	0.176	7.1
bis(2-Chloroethoxy)Methane	0.532	0.584	0.483	0.480	0.441	0.504	10.9
2,4-Dichlorophenol *	0.280	0.297	0.254	0.253	0.241	0.265	8.6*
1,2,4-Trichlorobenzene	0.311	0.325	0.267	0.251	0.244	0.280	13.0
Naphthalene	1.158	1.214	0.952	0.917	0.858	1.020	15.4
4-Chloroaniline	0.335	0.371	0.383	0.392	0.368	0.370	5.9
Hexachlorobutadiene *	0.164	0.173	0.142	0.136	0.131	0.149	12.3*
4-Chloro-3-Methylphenol *	0.309	0.321	0.279	0.279	0.275	0.293	7.1*
2-Methylnaphthalene	0.670	0.659	0.581	0.551	0.510	0.594	11.6
Hexachlorocyclopentadiene #	0.287	0.464	0.333	0.322	0.326	0.346	19.7#
2,4,6-Trichlorophenol *	0.372	0.408	0.343	0.335	0.319	0.355	9.9*
2,4,5-Trichlorophenol		0.461	0.367	0.360	0.347	0.384	13.6
2-Chloronaphthalene	1.449	1.516	1.239	1.148	1.091	1.289	14.4
2-Nitroaniline		0.526	0.417	0.451	0.444	0.460	10.2
Dimethyl Phthalate	1.269	1.351	1.102	1.157	1.116	1.199	9.0
Acenaphthylene	2.232	2.399	1.811	1.733	1.654	1.966	16.8
2,6-Dinitrotoluene	0.299	0.342	0.270	0.295	0.305	0.302	8.6
3-Nitroaniline		0.297	0.278	0.329	0.319	0.306	7.5
Acenaphthene *	1.308	1.391	1.054	1.025	0.966	1.149	16.4*
2,4-Dinitrophenol #		0.113	0.102	0.160	0.171	0.136	25.1#
4-Nitrophenol #		0.137	0.119	0.156	0.159	0.143	13.0#

002780

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: ILLINOIS EPA Contract: --

Lab Code: IEPA Case No.: STAND SAS No.: _____ SDG No.: _____

Instrument ID: INC500 Calibration Date(s): 03/27/91 03/27/91

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF20 = MAR27GK03 RRF50 = MAR27GK02
RRF80 = MAR27GK04 RRF120= MAR27GK05 RRF160= MAR27GK06

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Dibenzofuran	1.754	1.856	1.540	1.512	1.442	1.621	10.8
2,4-Dinitrotoluene	0.314	0.363	0.296	0.367	0.371	0.342	10.1
Diethylphthalate	1.183	1.325	1.067	1.179	1.149	1.181	7.9
4-Chlorophenyl-phenylether	0.630	0.664	0.534	0.526	0.507	0.572	12.2
Fluorene	1.342	1.433	1.073	1.071	1.040	1.192	15.3
4-Nitroaniline		0.239	0.224	0.288	0.268	0.255	11.3
4,6-Dinitro-2-Methylphenol		0.140	0.123	0.163	0.164	0.148	13.3
N-Nitrosodiphenylamine (1) *	0.429	0.450	0.381	0.352	0.324	0.387	13.5*
4-Bromophenyl-phenylether	0.258	0.296	0.250	0.228	0.214	0.249	12.6
Hexachlorobenzene	0.277	0.312	0.248	0.225	0.224	0.257	14.6
Pentachlorophenol *		0.122	0.113	0.134	0.130	0.125	7.4*
Phenanthrene	1.284	1.335	1.078	1.042	0.975	1.143	13.8
Anthracene	1.203	1.338	1.079	1.028	0.954	1.120	13.6
Di-n-Butylphthalate	1.109	1.392	1.187	1.355	1.217	1.252	9.5
Fluoranthene *	0.859	1.038	0.812	0.936	0.861	0.901	9.8*
Pyrene	0.845	1.035	0.805	0.954	0.861	0.900	10.4
Butylbenzylphthalate	0.742	0.864	0.750	0.779	0.814	0.790	6.4
3,3'-Dichlorobenzidine	0.264	0.354	0.327	0.369	0.350	0.333	12.4
Benzo(a)Anthracene	1.204	1.348	1.073	1.120	1.082	1.165	9.8
Chrysene	1.141	1.288	1.031	1.053	1.043	1.111	9.7
bis(2-Ethylhexyl)Phthalate	0.781	1.020	0.889	0.984	0.964	0.928	10.2
Di-n-Octyl Phthalate *	1.758	2.098	2.049	2.330	2.410	2.129	12.1*
Benzo(b)Fluoranthene	1.354	1.386	1.292	1.390	1.344	1.353	2.9
Benzo(k)Fluoranthene	1.409	1.429	1.304	1.309	1.324	1.355	4.4
Benzo(a)Pyrene *	1.142	1.190	1.038	1.117	1.088	1.115	5.1*
Indeno(1,2,3-cd)Pyrene	0.802	0.661	0.530	0.565	0.484	0.608	20.8
Dibenz(a,h)Anthracene	0.812	0.716	0.539	0.575	0.549	0.638	18.9
Benzo(g,h,i)Perylene	0.459	0.272	0.503	0.528	0.492	0.451	22.8
Nitrobenzene-d5	0.294	0.300	0.278	0.289	0.266	0.285	4.7
2-Fluorobiphenyl	0.844	0.868	0.814	0.786	0.792	0.821	4.2
Terphenyl-d14	0.701	0.642	0.614	0.563	0.628	0.630	7.9
Phenol-d5	1.126	0.957	0.883	0.833	0.792	0.918	14.3
2-Fluorophenol	1.055	0.951	0.861	0.800	0.740	0.881	14.1
2,4,6-Tribromophenol	0.155	0.162	0.139	0.169	0.179	0.161	9.4

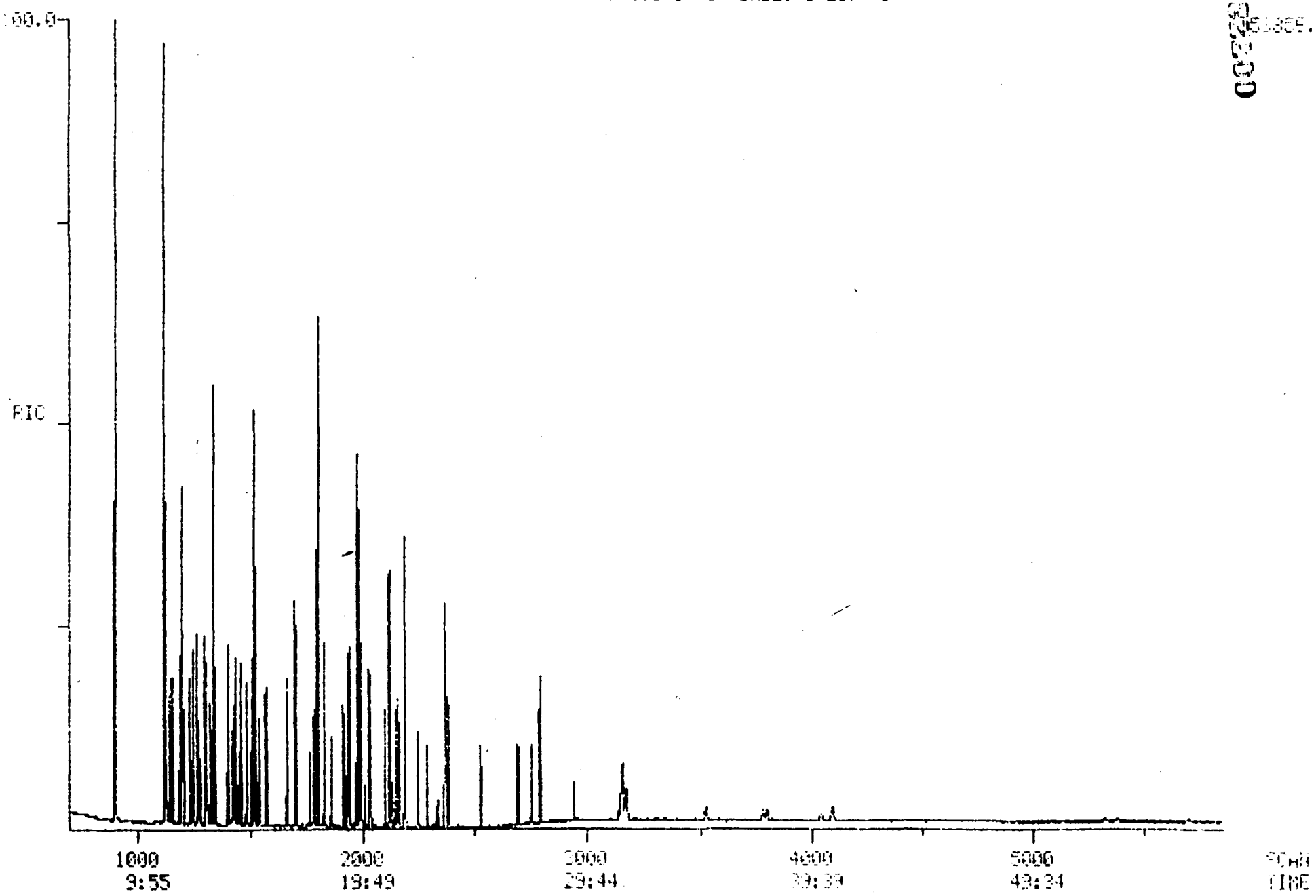
(1) Cannot be separated from Diphenylamine

002281

IC-020

RIC
03/27/91 10:23:00
SAMPLE: CLP BNA 20 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: MAR27GK03 #1 SCANS 700 TO 5850
CALI: MAR27GK03 #3



000200

Quantitation Report File: MAR27GK03

Data: MAR27GK03.TI
03/27/91 10:23:00
Sample CLP BNA 20 NG/UL STD 1UL-1.0ML
Conds 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C550 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1201	11:54	1	1.000	A VB	52458.	40.000 UG/L	1.85
2	94	1126	11:10	1	0.938	A BB	32292.	20.000 UG/L	0.93
3	93	1144	11:20	1	0.953	A VB	26496.	20.000 UG/L	0.93
4	128	1157	11:28	1	0.963	A BB	23050.	20.000 UG/L	0.93
5	146	1192	11:49	1	0.993	A BB	24978.	20.000 UG/L	0.93
6	146	1205	11:57	1	1.003	A BB	26248.	20.000 UG/L	0.93
7	146	1251	12:24	1	1.042	A BB	24266.	20.000 UG/L	0.93
8	108	1238	12:16	1	1.031	A BV	14460.	20.000 UG/L	0.93
9	108	1269	12:35	1	1.057	A BV	22608.	20.000 UG/L	0.93
10	45	1278	12:40	1	1.064	A BB	39112.	20.000 UG/L	0.93
11	108	1304	12:56	1	1.086	A BB	23674.	20.000 UG/L	0.93
12	70	1311	13:00	1	1.092	A BV	19296.	20.000 UG/L	0.93
13	117	1329	13:10	1	1.107	A BB	11712.	20.000 UG/L	0.93
14	112	906	8:59	1	0.754	A BB	138307.	100.000 %	4.63
15	99	1123	11:08	1	0.935	A BB	147635.	100.000 %	4.63
16	136	1522	15:05	16	1.000	A BB	118428.	40.000 UG/L	1.85
17	77	1347	13:21	16	0.885	A BB	27746.	20.000 UG/L	0.93
18	82	1406	13:56	16	0.924	A BB	49839.	20.000 UG/L	0.93
19	139	1428	14:09	16	0.938	A BB	12682.	20.000 UG/L	0.93
20	107	1437	14:15	16	0.944	A BV	21150.	20.000 UG/L	0.93
21	122	1461	14:29	16	0.960	A VB	403.	20.000 UG/L	0.93
22	93	1462	14:29	16	0.961	A BB	31476.	20.000 UG/L	0.93
23	162	1487	14.44	16	0.977	A BB	16566.	20.000 UG/L	0.93
24	180	1511	14:59	16	0.993	A BB	18430.	20.000 UG/L	0.93
25	128	1527	15:08	16	1.003	A BB	68596.	20.000 UG/L	0.93
26	127	1543	15:18	16	1.014	A BB	19812.	20.000 UG/L	0.93
27	225	1574	15:36	16	1.034	A BB	9736.	20.000 UG/L	0.93
28	107	1667	16:31	16	1.095	A BV	18274.	20.000 UG/L	0.93
29	142	1705	16:54	16	1.120	A BB	39672.	20.000 UG/L	0.93
30	82	1343	13:19	16	0.882	A BB	87160.	100.000 %	4.63
31	162	1983	19:39	31	1.000	A BB	46370.	40.000 UG/L	1.85
32	237	1765	17:30	31	0.890	A BB	6644.	20.000 UG/L	0.93
33	196	1784	17:41	31	0.900	A BV	8632.	20.000 UG/L	0.93
34	196	1794	17:47	31	0.905	A VB	9730.	20.000 UG/L	0.93
35	162	1832	18:10	31	0.924	A BB	33602.	20.000 UG/L	0.93
36	65	1863	18.28	31	0.939	A BB	9926.	20.000 UG/L	0.93
37	163	1918	19:01	31	0.967	A BB	29414.	20.000 UG/L	0.93
38	152	1943	19:16	31	0.980	A BB	51742.	20.000 UG/L	0.93
39	138	1971	19:32	31	0.994	A BB	6324.	20.000 UG/L	0.93
40	153	1991	19:44	31	1.004	A BB	30330.	20.000 UG/L	0.93
41	184	1997	19:48	31	1.007	A BB	1340.	20.000 UG/L	0.93
42	109	2012	19:57	31	1.015	A BB	2576.	20.000 UG/L	0.93
43	168	2032	20:08	31	1.025	A BB	40666.	20.000 UG/L	0.93
44	165	1936	19:11	31	0.976	A BB	6930.	20.000 UG/L	0.93
45	165	2038	20:12	31	1.028	A BB	7270.	20.000 UG/L	0.93
46	149	2103	20:51	31	1.061	A BB	27424.	20.000 UG/L	0.93
47	204	2121	21:01	31	1.070	A BB	14598.	20.000 UG/L	0.93
48	166	2123	21:03	31	1.071	A BB	31104.	20.000 UG/L	0.93
49	138	2131	21:07	31	1.075	A BB	5004.	20.000 UG/L	0.93
50	172	1805	17:53	31	0.910	A BB	97816.	100.000 %	4.63

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:10	1.00	0.938	1.00	20.00	20.00	1.231	1.231	1.00
3	11:20	1.00	0.953	1.00	20.00	20.00	1.010	1.010	1.00
4	11:28	1.00	0.963	1.00	20.00	20.00	0.879	0.879	1.00
5	11:49	1.00	0.993	1.00	20.00	20.00	0.952	0.952	1.00
6	11:57	1.00	1.003	1.00	20.00	20.00	1.001	1.001	1.00
7	12:24	1.00	1.042	1.00	20.00	20.00	0.925	0.925	1.00
8	12:16	1.00	1.031	1.00	20.00	20.00	0.551	0.551	1.00
9	12:35	1.00	1.057	1.00	20.00	20.00	0.862	0.862	1.00
10	12:40	1.00	1.064	1.00	20.00	20.00	1.491	1.491	1.00
11	12:56	1.00	1.086	1.00	20.00	20.00	0.903	0.903	1.00
12	13:00	1.00	1.092	1.00	20.00	20.00	0.736	0.736	1.00
13	13:10	1.00	1.107	1.00	20.00	20.00	0.447	0.447	1.00
14	8:59	1.00	0.754	1.00	100.00	100.00	1.055	1.055	1.00
15	11:08	1.00	0.935	1.00	100.00	100.00	1.126	1.126	1.00
16	15:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:21	1.00	0.885	1.00	20.00	20.00	0.469	0.469	1.00
18	13:56	1.00	0.924	1.00	20.00	20.00	0.842	0.842	1.00
19	14:09	1.00	0.938	1.00	20.00	20.00	0.214	0.214	1.00
20	14:15	1.00	0.944	1.00	20.00	20.00	0.357	0.357	1.00
21	14:29	1.00	0.960	1.00	20.00	20.00	0.007	0.007	1.00
22	14:29	1.00	0.961	1.00	20.00	20.00	0.532	0.532	1.00
23	14:44	1.00	0.977	1.00	20.00	20.00	0.280	0.280	1.00
24	14:59	1.00	0.993	1.00	20.00	20.00	0.311	0.311	1.00
25	15:08	1.00	1.003	1.00	20.00	20.00	1.158	1.158	1.00
26	15:18	1.00	1.014	1.00	20.00	20.00	0.335	0.335	1.00
27	15:36	1.00	1.034	1.00	20.00	20.00	0.164	0.164	1.00
28	16:31	1.00	1.095	1.00	20.00	20.00	0.309	0.309	1.00
29	16:54	1.00	1.120	1.00	20.00	20.00	0.670	0.670	1.00
30	13:19	1.00	0.882	1.00	100.00	100.00	0.294	0.294	1.00
31	19:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:30	1.00	0.890	1.00	20.00	20.00	0.287	0.287	1.00
33	17:41	1.00	0.900	1.00	20.00	20.00	0.372	0.372	1.00
34	17:47	1.00	0.905	1.00	20.00	20.00	0.420	0.420	1.00
35	18:10	1.00	0.924	1.00	20.00	20.00	1.449	1.449	1.00
36	18:28	1.00	0.939	1.00	20.00	20.00	0.428	0.428	1.00
37	19:01	1.00	0.967	1.00	20.00	20.00	1.269	1.269	1.00
38	19:16	1.00	0.980	1.00	20.00	20.00	2.232	2.232	1.00
39	19:32	1.00	0.994	1.00	20.00	20.00	0.273	0.273	1.00
40	19:44	1.00	1.004	1.00	20.00	20.00	1.308	1.308	1.00
41	19:48	1.00	1.007	1.00	20.00	20.00	0.058	0.058	1.00
42	19:57	1.00	1.015	1.00	20.00	20.00	0.111	0.111	1.00
43	20:08	1.00	1.025	1.00	20.00	20.00	1.754	1.754	1.00
44	19:11	1.00	0.976	1.00	20.00	20.00	0.299	0.299	1.00
45	20:12	1.00	1.028	1.00	20.00	20.00	0.314	0.314	1.00
46	20:51	1.00	1.061	1.00	20.00	20.00	1.183	1.183	1.00
47	21:01	1.00	1.070	1.00	20.00	20.00	0.630	0.630	1.00
48	21:03	1.00	1.071	1.00	20.00	20.00	1.342	1.342	1.00
49	21:07	1.00	1.075	1.00	20.00	20.00	0.216	0.216	1.00
50	17:53	1.00	0.910	1.00	100.00	100.00	0.844	0.844	1.00

Quantitation Report File: MAR27GK03

Data: MAR27GK03.TI
03/27/91 10:23:00
Sample: CLP BNA 20 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

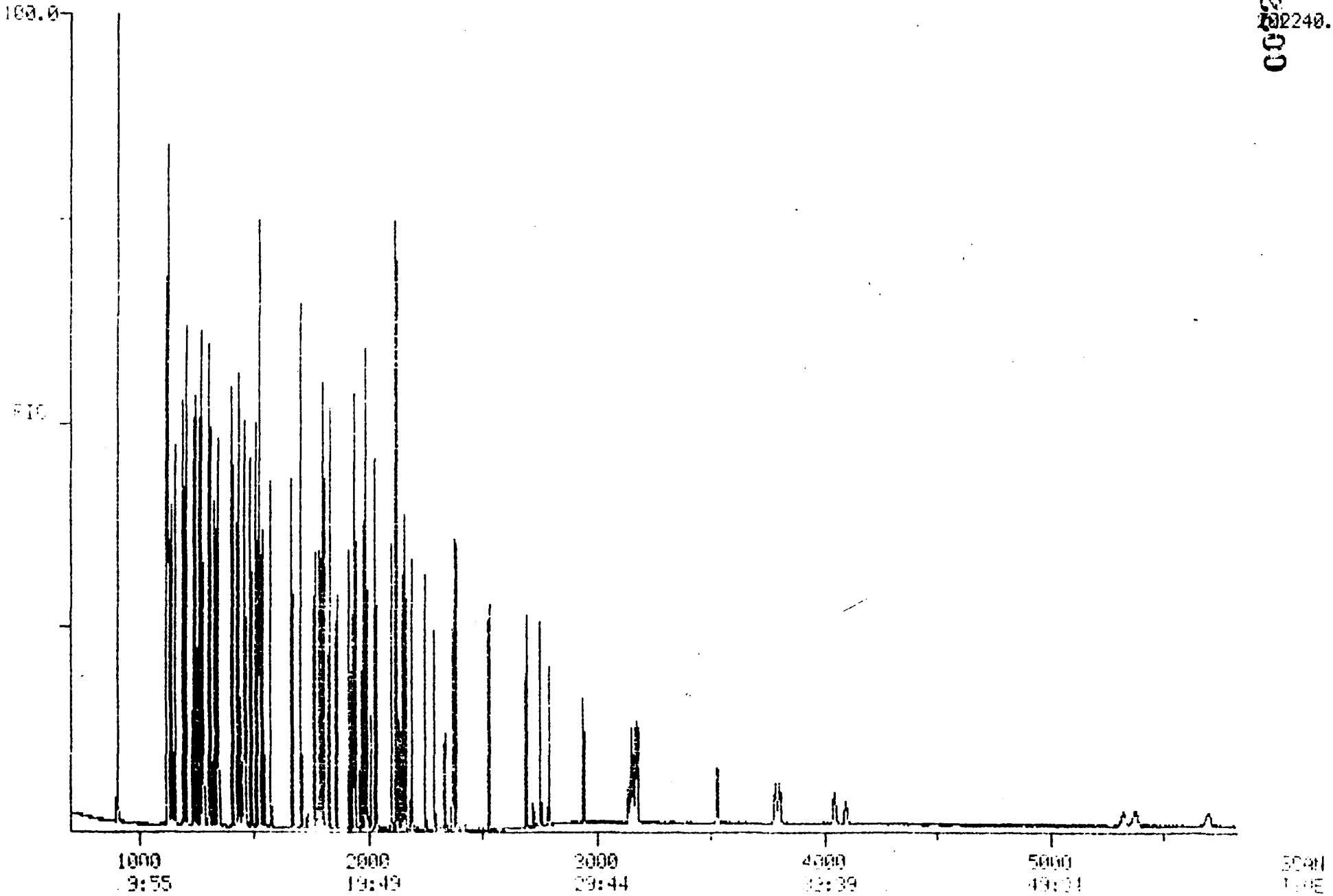
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2191	21:43	31	1.105	A BB	17944.	100.000	%	4.63
52	188	2370	23:29	52	1.000	A BV	52602.	40.000	UG/L	1.85
53	198	2144	21:15	52	0.905	A BB	2136.	20.000	UG/L	0.93
54	248	2249	22:18	52	0.949	A BB	6776.	20.000	UG/L	0.93
55	284	2290	22:42	52	0.966	A BB	7276.	20.000	UG/L	0.93
56	266	2335	23:09	52	0.985	A BB	2100.	20.000	UG/L	0.93
57	178	2376	23:33	52	1.003	A BV	33768.	20.000	UG/L	0.93
58	178	2388	23:40	52	1.008	A VB	31638.	20.000	UG/L	0.93
59	149	2530	25:05	52	1.068	A BB	29174.	20.000	UG/L	0.93
60	202	2694	26:42	52	1.137	A BB	33594.	20.000	UG/L	0.93
61	77	2163	21:26	52	0.913	A VB	36814.	20.000	UG/L	0.93
62	202	2755	27:18	52	1.162	A BB	32326.	20.000	UG/L	0.93
63	168	2153	21:20	52	0.908	A BB	11290.	20.000	UG/L	0.93
64	240	3161	31:20	64	1.000	A BB	20045.	40.000	UG/L	1.85
65	149	2944	29:11	64	0.931	A BB	7436.	20.000	UG/L	0.93

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3142	31:09	64	0.994	A BB	2646.	20.000 UG/L	0.93
67	228	3153	31:15	64	0.997	A BB	12066.	20.000 UG/L	0.93
68	149	3181	31:32	64	1.006	A BB	7829.	20.000 UG/L	0.93
69	228	3172	31:26	64	1.003	A BB	11438.	20.000 UG/L	0.93
70	244	2793	27:41	64	0.884	A BB	35142.	100.000 %	4.63
71	264	4098	40:37	71	1.000	A BB	10689.	40.000 UG/L	1.85
72	149	3530	34:59	71	0.861	A BB	9396.	20.000 UG/L	0.93
73	252	3786	37:32	71	0.924	A BV	7236.	20.000 UG/L	0.93
74	252	3806	37:44	71	0.929	A VB	7533.	20.000 UG/L	0.93
75	252	4048	40:07	71	0.988	A BB	6102.	20.000 UG/L	0.93
76	276	5329	52:49	71	1.300	A BB	4287.	20.000 UG/L	0.93
77	278	5378	53:18	71	1.312	A*BB	4338.	20.000 UG/L	0.93
78	276	5703	56:32	71	1.392	A BV	2454.	20.000 UG/L	0.93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:43	1.00	1.105	1.00	100.00	100.00	0.155	0.155	1.00
52	23:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:15	1.00	0.905	1.00	20.00	20.00	0.081	0.081	1.00
54	22:18	1.00	0.949	1.00	20.00	20.00	0.258	0.258	1.00
55	22:42	1.00	0.966	1.00	20.00	20.00	0.277	0.277	1.00
56	23:09	1.00	0.985	1.00	20.00	20.00	0.080	0.080	1.00
57	23:33	1.00	1.003	1.00	20.00	20.00	1.284	1.284	1.00
58	23:40	1.00	1.008	1.00	20.00	20.00	1.203	1.203	1.00
59	25:05	1.00	1.068	1.00	20.00	20.00	1.109	1.109	1.00
60	26:42	1.00	1.137	1.00	20.00	20.00	0.859	0.859	1.00
61	21:26	1.00	0.913	1.00	20.00	20.00	1.400	1.400	1.00
62	27:18	1.00	1.162	1.00	20.00	20.00	0.845	0.845	1.00
63	21:20	1.00	0.908	1.00	20.00	20.00	0.429	0.429	1.00
64	31:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:11	1.00	0.931	1.00	20.00	20.00	0.742	0.742	1.00
66	31:09	1.00	0.994	1.00	20.00	20.00	0.264	0.264	1.00
67	31:15	1.00	0.997	1.00	20.00	20.00	1.204	1.204	1.00
68	31:32	1.00	1.006	1.00	20.00	20.00	0.781	0.781	1.00
69	31:26	1.00	1.003	1.00	20.00	20.00	1.141	1.141	1.00
70	27:41	1.00	0.884	1.00	100.00	100.00	0.701	0.701	1.00
71	40:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34:59	1.00	0.861	1.00	20.00	20.00	1.758	1.758	1.00
73	37:32	1.00	0.924	1.00	20.00	20.00	1.354	1.354	1.00
74	37:44	1.00	0.929	1.00	20.00	20.00	1.409	1.409	1.00
75	40:07	1.00	0.988	1.00	20.00	20.00	1.142	1.142	1.00
76	52:49	1.00	1.300	1.00	20.00	20.00	0.802	0.802	1.00
77	53:18	1.00	1.312	1.00	20.00	20.00	0.812	0.812	1.00
78	56:32	1.00	1.392	1.00	20.00	20.00	0.459	0.459	1.00

.M3
IC-050

RIC
03/27/91 8:58:00
DATA: MAR27GK02 #1 SCANS 700 TO 5825
CALI: MAR27GK02 #3
SAMPLE: CLP BNA 50 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5825 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



00232
002240.

Quantitation Report File: MAR27GK02

Data: MAR27GK02.TI
03/27/91 8:58:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C540 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

002289

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1202	11:55	1	1.000	A VB	72144.	40.000 UG/L	0.97
2	94	1127	11:10	1	0.938	A BV	110424.	50.000 UG/L	1.21
3	93	1145	11:21	1	0.953	A VV	89731.	50.000 UG/L	1.21
4	128	1159	11:29	1	0.963	A BB	78952.	50.000 UG/L	1.21
5	146	1193	11:50	1	0.993	A BV	82950.	50.000 UG/L	1.21
6	146	1206	11:57	1	1.003	A VB	88274.	50.000 UG/L	1.21
7	146	1252	12:25	1	1.042	A BV	80074.	50.000 UG/L	1.21
8	108	1229	12:17	1	1.031	A BV	50564.	50.000 UG/L	1.21
9	108	1270	12:35	1	1.057	A BV	77532.	50.000 UG/L	1.21
10	45	1279	12:41	1	1.064	A VB	141540.	50.000 UG/L	1.21
11	108	1305	12:56	1	1.086	A BB	79622.	50.000 UG/L	1.21
12	70	1312	13:00	1	1.092	A BB	66298.	50.000 UG/L	1.21
13	117	1329	13:10	1	1.106	A BB	41028.	50.000 UG/L	1.21
14	112	907	8:59	1	0.755	A BB	171459.	100.000 %	2.42
15	99	1124	11:08	1	0.935	A BB	172660.	100.000 %	2.42
16	136	1522	15:05	16	1.000	A BB	146038.	40.000 UG/L	0.97
17	77	1345	13:22	16	0.886	A BV	92654.	50.000 UG/L	1.21
18	92	1407	13:57	16	0.924	A BB	167216.	50.000 UG/L	1.21
19	139	1429	14:10	16	0.939	A BV	39938.	50.000 UG/L	1.21
20	107	1409	14:15	16	0.945	A BV	77233.	50.000 UG/L	1.21
21	122	1461	14:29	16	0.960	A VB	35263.	50.000 UG/L	1.21
22	93	1463	14:30	16	0.961	A BB	106658.	50.000 UG/L	1.21
23	162	1498	14:45	16	0.978	A BB	54206.	50.000 UG/L	1.21
24	160	1512	14:59	16	0.993	A BB	59418.	50.000 UG/L	1.21
25	128	1528	15:09	16	1.004	A BV	221524.	50.000 UG/L	1.21
26	127	1544	15:13	16	1.014	A BB	67769.	50.000 UG/L	1.21
27	229	1575	15:27	16	1.035	A BB	31610.	50.000 UG/L	1.21
28	107	1647	16:31	16	1.095	A BB	58516.	50.000 UG/L	1.21
29	142	1726	16:55	16	1.121	A BB	120290.	50.000 UG/L	1.21
30	82	1244	13:19	16	0.983	A BB	109546.	100.000 %	2.42
31	162	1783	19:35	31	1.000	A BB	53342.	40.000 UG/L	0.97
32	237	1753	17:20	31	0.991	A BB	30916.	50.000 UG/L	1.21
33	196	1785	17:42	31	0.900	A BV	27212.	50.000 UG/L	1.21
34	196	1794	17:47	31	0.905	A VB	30728.	50.000 UG/L	1.21
35	162	1832	18:10	31	0.924	A BB	101061.	50.000 UG/L	1.21
36	65	1864	18:29	31	0.940	A BB	35048.	50.000 UG/L	1.21
37	162	1917	19:01	31	0.968	A BB	90110.	50.000 UG/L	1.21
38	152	1943	19:16	31	0.980	A BB	159992.	50.000 UG/L	1.21
39	138	1971	19:32	31	0.994	A BB	19792.	50.000 UG/L	1.21
40	153	1992	19:47	31	1.005	A BB	92738.	50.000 UG/L	1.21
41	184	1999	19:49	31	1.008	A BB	7564.	50.000 UG/L	1.21
42	109	2012	19:57	31	1.015	A BB	9130.	50.000 UG/L	1.21
43	165	2033	20:09	31	1.025	A BB	123774	50.000 UG/L	1.21
44	165	1937	19:13	31	0.977	A BB	28792.	50.000 UG/L	1.21
45	165	2013	20:12	31	1.028	A BB	24196.	50.000 UG/L	1.21
46	149	2104	20:51	31	1.061	A BB	28376.	50.000 UG/L	1.21
47	204	2122	21:02	31	1.070	A BB	44254.	50.000 UG/L	1.21
48	166	2124	21:03	31	1.071	A BB	95544.	50.000 UG/L	1.21
49	138	2132	21:08	31	1.075	A VB	15945	50.000 UG/L	1.21
50	172	1905	17:53	31	0.910	A BB	115708.	100.000 %	2.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:10	1.00	0.939	1.00	50.00	50.00	1.224	1.224	1.00
3	11:21	1.00	0.953	1.00	50.00	50.00	0.995	0.995	1.00
4	11:29	1.00	0.963	1.00	50.00	50.00	0.875	0.875	1.00
5	11:50	1.00	0.993	1.00	50.00	50.00	0.920	0.920	1.00
6	11:57	1.00	1.003	1.00	50.00	50.00	0.979	0.979	1.00
7	12:25	1.00	1.042	1.00	50.00	50.00	0.888	0.888	1.00
8	12:17	1.00	1.031	1.00	50.00	50.00	0.561	0.561	1.00
9	12:35	1.00	1.057	1.00	50.00	50.00	0.860	0.860	1.00
10	12:41	1.00	1.064	1.00	50.00	50.00	1.570	1.570	1.00
11	12:56	1.00	1.086	1.00	50.00	50.00	0.883	0.883	1.00
12	13:00	1.00	1.092	1.00	50.00	50.00	0.735	0.735	1.00
13	13:10	1.00	1.106	1.00	50.00	50.00	0.455	0.455	1.00
14	3:59	1.00	0.755	1.00	100.00	100.00	0.951	0.951	1.00
15	11:06	1.00	0.935	1.00	100.00	100.00	0.957	0.957	1.00
16	15:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:22	1.00	0.954	1.00	50.00	50.00	0.508	0.508	1.00
18	13:57	1.00	0.934	1.00	50.00	50.00	0.916	0.916	1.00
19	14:10	1.00	0.939	1.00	50.00	50.00	0.219	0.219	1.00
20	14:16	1.00	0.945	1.00	50.00	50.00	0.423	0.423	1.00
21	14:29	1.00	0.960	1.00	50.00	50.00	0.193	0.193	1.00
22	14:30	1.00	0.961	1.00	50.00	50.00	0.584	0.584	1.00
23	14:45	1.00	0.978	1.00	50.00	50.00	0.297	0.297	1.00
24	14:59	1.00	0.993	1.00	50.00	50.00	0.325	0.325	1.00
25	15:09	1.00	1.004	1.00	50.00	50.00	1.214	1.214	1.00
26	15:18	1.00	1.014	1.00	50.00	50.00	0.371	0.371	1.00
27	15:27	1.00	1.025	1.00	50.00	50.00	0.173	0.173	1.00
28	16:31	1.00	1.095	1.00	50.00	50.00	0.321	0.321	1.00
29	16:55	1.00	1.121	1.00	50.00	50.00	0.659	0.659	1.00
30	13:19	1.00	0.883	1.00	100.00	100.00	0.300	0.300	1.00
31	15:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:31	1.00	0.891	1.00	50.00	50.00	0.464	0.464	1.00
33	17:42	1.00	0.900	1.00	50.00	50.00	0.408	0.408	1.00
34	17:47	1.00	0.905	1.00	50.00	50.00	0.461	0.461	1.00
35	18:10	1.00	0.924	1.00	50.00	50.00	1.516	1.516	1.00
36	18:29	1.00	0.940	1.00	50.00	50.00	0.526	0.526	1.00
37	19:01	1.00	0.963	1.00	50.00	50.00	1.351	1.351	1.00
38	19:16	1.00	0.980	1.00	50.00	50.00	2.399	2.399	1.00
39	19:32	1.00	0.994	1.00	50.00	50.00	0.297	0.297	1.00
40	19:45	1.00	1.005	1.00	50.00	50.00	1.391	1.391	1.00
41	19:48	1.00	1.008	1.00	50.00	50.00	0.113	0.113	1.00
42	19:57	1.00	1.015	1.00	50.00	50.00	0.137	0.137	1.00
43	20:09	1.00	1.025	1.00	50.00	50.00	1.856	1.856	1.00
44	19:12	1.00	0.977	1.00	50.00	50.00	0.342	0.342	1.00
45	20:12	1.00	1.025	1.00	50.00	50.00	0.363	0.363	1.00
46	20:51	1.00	1.061	1.00	50.00	50.00	1.325	1.325	1.00
47	21:02	1.00	1.070	1.00	50.00	50.00	0.664	0.664	1.00
48	21:03	1.00	1.071	1.00	50.00	50.00	1.433	1.433	1.00
49	21:08	1.00	1.075	1.00	50.00	50.00	0.239	0.239	1.00
50	17:52	1.00	0.910	1.00	100.00	100.00	0.868	0.868	1.00

Quantitation Report File: MAR27GK02

Data: MAR27GK02.TI
03/27/91 8:58:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	CS31 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2191	21:43	31	1.105	A BB	21576.	100.000	%	2.42
52	188	2371	23:30	52	1.000	A BB	57858.	40.000	UG/L	0.97
53	198	2145	21:16	52	0.905	A BB	10112.	50.000	UG/L	1.21
54	248	2250	22:18	52	0.949	A BB	21398.	50.000	UG/L	1.21
55	284	2291	22:43	52	0.966	A BB	22600.	50.000	UG/L	1.21
56	266	2336	23:09	52	0.985	A BB	8792.	50.000	UG/L	1.21
57	178	2377	23:34	52	1.003	A BV	96554.	50.000	UG/L	1.21
58	178	2389	23:41	52	1.008	A VB	96741.	50.000	UG/L	1.21
59	149	2531	25:05	52	1.067	A BB	100678.	50.000	UG/L	1.21
60	202	2695	26:43	52	1.137	A BB	75070.	50.000	UG/L	1.21
61	77	2163	21:26	52	0.912	A VB	124125.	50.000	UG/L	1.21
62	202	2755	27:18	52	1.162	A BB	74862.	50.000	UG/L	1.21
63	168	2154	21:21	52	0.908	A VB	32558.	50.000	UG/L	1.21
64	240	3160	31:19	64	1.000	A BB	28939.	40.000	UG/L	0.97
65	149	2944	29:11	64	0.932	A BV	31258.	50.000	UG/L	1.21

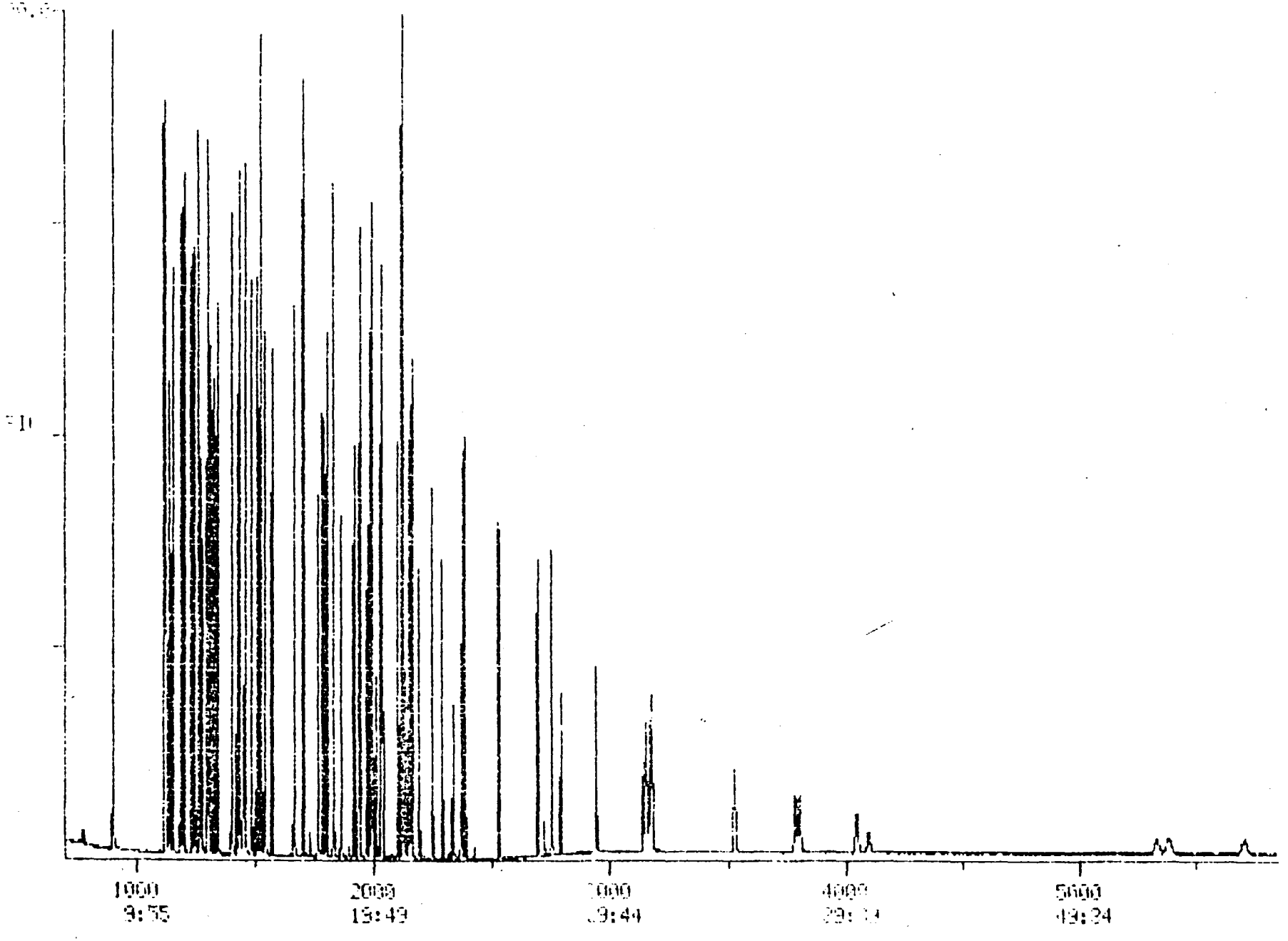
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3142	31:09	64	0.994	A BB	12802.	50.000 UG/L	1.21
67	228	3153	31:15	64	0.998	A BV	48775.	50.000 UG/L	1.21
68	149	3181	31:32	64	1.007	A BB	36901.	50.000 UG/L	1.21
69	228	3172	31:26	64	1.004	A VB	46610.	50.000 UG/L	1.21
70	244	2794	27:42	64	0.884	A BB	46470.	100.000 %	2.42
71	264	4098	40:37	71	1.000	A BB	19134.	40.000 UG/L	0.97
72	149	3530	34:59	71	0.861	A BB	50178.	50.000 UG/L	1.21
73	252	3787	37:32	71	0.924	A BV	33161.	50.000 UG/L	1.21
74	252	3804	37:42	71	0.928	A VB	34175.	50.000 UG/L	1.21
75	252	4046	40:06	71	0.987	A BB	28460.	50.000 UG/L	1.21
76	276	5325	52:47	71	1.299	A BB	15816	50.000 UG/L	1.21
77	278	5378	53:18	71	1.312	A BB	17126.	50.000 UG/L	1.21
78	276	5695	56:27	71	1.390	A BV	6495.	50.000 UG/L	1.21

No	Rat(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:43	1.00	1.105	1.00	100.00	100.00	0.162	0.162	1.00
52	23:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:16	1.00	0.905	1.00	50.00	50.00	0.140	0.140	1.00
54	22:18	1.00	0.949	1.00	50.00	50.00	0.296	0.296	1.00
55	22:43	1.00	0.966	1.00	50.00	50.00	0.312	0.312	1.00
56	23:09	1.00	0.985	1.00	50.00	50.00	0.122	0.122	1.00
57	23:34	1.00	1.003	1.00	50.00	50.00	1.335	1.335	1.00
58	23:41	1.00	1.008	1.00	50.00	50.00	1.338	1.338	1.00
59	25:05	1.00	1.067	1.00	50.00	50.00	1.392	1.392	1.00
60	26:43	1.00	1.137	1.00	50.00	50.00	1.038	1.038	1.00
61	21:26	1.00	0.912	1.00	50.00	50.00	1.716	1.716	1.00
62	27:18	1.00	1.162	1.00	50.00	50.00	1.035	1.035	1.00
63	21:21	1.00	0.908	1.00	50.00	50.00	0.450	0.450	1.00
64	31:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:11	1.00	0.932	1.00	50.00	50.00	0.864	0.864	1.00
66	31:09	1.00	0.994	1.00	50.00	50.00	0.354	0.354	1.00
67	31:15	1.00	0.998	1.00	50.00	50.00	1.348	1.348	1.00
68	31:32	1.00	1.007	1.00	50.00	50.00	1.020	1.020	1.00
69	31:26	1.00	1.004	1.00	50.00	50.00	1.288	1.288	1.00
70	27:42	1.00	0.884	1.00	100.00	100.00	0.642	0.642	1.00
71	40:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34:59	1.00	0.861	1.00	50.00	50.00	2.098	2.098	1.00
73	37:32	1.00	0.924	1.00	50.00	50.00	1.386	1.386	1.00
74	37:42	1.00	0.928	1.00	50.00	50.00	1.429	1.429	1.00
75	40:06	1.00	0.987	1.00	50.00	50.00	1.190	1.190	1.00
76	52:47	1.00	1.299	1.00	50.00	50.00	0.661	0.661	1.00
77	53:18	1.00	1.312	1.00	50.00	50.00	0.716	0.716	1.00
78	56:27	1.00	1.390	1.00	50.00	50.00	0.272	0.272	1.00

IC-080

RIC
03/27/91 11:26:00
SAMPLE: CLP BNA 80 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5850 LABEL: N 0, 4.0 QUAN: H 0, 1.0 J 0 BASE: U 20, 3

DATA: MAR27GK04 #1 SCANS 700 TO 5850
CALI: MAR27GK04 #3



002294

Quantitation Report File MAR27GK04

Data: MAR27GK04.TI
03/27/91 11:26.00
Sample: CLP BNA 80 NG UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP
Formula: Instrument: INDEX Weight 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	150	1202	11:55	1	1.000	A VB	58447.	40.000	UG/L	0.65
2	94	1128	11:11	1	0.938	A BV	118468.	80.000	UG/L	1.31
3	93	1146	11:22	1	0.953	A VB	97209.	80.000	UG/L	1.31
4	128	1159	11:29	1	0.964	A BB	86514	80.000	UG/L	1.31
5	146	1194	11:50	1	0.993	A BV	86496	80.000	UG/L	1.31
6	146	1207	11:58	1	1.004	A VB	90824.	80.000	UG/L	1.31
7	146	1252	12:25	1	1.042	A BB	84316.	80.000	UG/L	1.31
8	108	1240	12:17	1	1.032	A BV	55160.	80.000	UG/L	1.31
9	108	1271	12:36	1	1.057	A BV	81619.	80.000	UG/L	1.31
10	45	1279	12:41	1	1.064	A BB	145218	80.000	UG/L	1.31
11	108	1306	12:57	1	1.087	A BB	83889.	80.000	UG/L	1.31
12	70	1313	13:01	1	1.092	A BV	72280.	80.000	UG/L	1.31
13	117	1330	13:11	1	1.106	A BB	42492.	80.000	UG/L	1.31
14	112	908	9:00	1	0.755	A BB	125862.	100.000	%	1.63
15	99	1125	11:09	1	0.936	A BB	129028.	100.000	%	1.63
16	136	1523	15:06	16	1.000	A BB	119346.	40.000	UG/L	0.65
17	77	1349	13:22	16	0.886	A BB	96284.	80.000	UG/L	1.31
18	82	1407	13:57	16	0.924	A BB	178776.	80.000	UG/L	1.31
19	139	1430	14:10	16	0.939	A BV	45890.	80.000	UG/L	1.31
20	107	1439	14:16	16	0.945	A BB	81954.	80.000	UG/L	1.31
21	122	1463	14:30	16	0.961	A VB	38955.	80.000	UG/L	1.31
22	93	1464	14:31	16	0.961	A BB	115241.	80.000	UG/L	1.31
23	162	1489	14:46	16	0.978	A BB	60698.	80.000	UG/L	1.31
24	180	1512	14:59	16	0.993	A BB	63666.	80.000	UG/L	1.31
25	128	1528	15:09	16	1.003	A BV	227272.	80.000	UG/L	1.31
26	127	1544	15:18	16	1.014	A BB	91393.	80.000	UG/L	1.31
27	225	1575	15:37	16	1.034	A BB	33906.	80.000	UG/L	1.31
28	107	1668	16:32	16	1.095	A BB	66688.	80.000	UG/L	1.31
29	142	1706	16:55	16	1.120	A BB	138666.	80.000	UG/L	1.31
30	82	1344	13:19	16	0.882	A BB	83006.	100.000	%	1.63
31	162	1984	19:40	31	1.000	A BB	46344.	40.000	UG/L	0.65
32	237	1766	17:30	31	0.890	A BB	30856.	80.000	UG/L	1.31
33	196	1785	17:42	31	0.900	A BV	31766.	80.000	UG/L	1.31
34	196	1795	17:48	31	0.905	A VB	33981.	80.000	UG/L	1.31
35	162	1833	18:10	31	0.924	A BB	114828.	80.000	UG/L	1.31
36	65	1865	18:29	31	0.940	A BB	38624.	80.000	UG/L	1.31
37	163	1919	19:01	31	0.967	A BB	102154.	80.000	UG/L	1.31
38	152	1944	19:16	31	0.980	A BB	167862.	80.000	UG/L	1.31
39	138	1972	19:33	31	0.994	A BB	25810.	80.000	UG/L	1.31
40	153	1992	19:45	31	1.004	A BB	97710.	80.000	UG/L	1.31
41	184	1999	19:49	31	1.008	A BB	9480.	80.000	UG/L	1.31
42	109	2013	19:57	31	1.015	A BB	11062.	80.000	UG/L	1.31
43	168	2034	20:10	31	1.025	A BB	142710.	80.000	UG/L	1.31
44	165	1937	19:12	31	0.976	A BB	25004.	80.000	UG/L	1.31
45	165	2039	20:13	31	1.028	A BB	27424.	80.000	UG/L	1.31
46	149	2104	20:51	31	1.060	A BB	98852.	80.000	UG/L	1.31
47	204	2122	21:02	31	1.070	A BB	49484.	80.000	UG/L	1.31
48	166	2124	21:03	31	1.071	A BB	99410.	80.000	UG/L	1.31
49	138	2133	21:09	31	1.075	A VB	20772.	80.000	UG/L	1.31
50	172	1806	17:54	31	0.910	A BB	94272.	100.000	%	1.63

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:11	1.00	0.938	1.00	80.00	80.00	1.013	1.013	1.00
3	11:22	1.00	0.953	1.00	80.00	80.00	0.832	0.832	1.00
4	11:29	1.00	0.964	1.00	80.00	80.00	0.740	0.740	1.00
5	11:50	1.00	0.993	1.00	80.00	80.00	0.740	0.740	1.00
6	11:58	1.00	1.004	1.00	80.00	80.00	0.777	0.777	1.00
7	12:25	1.00	1.042	1.00	80.00	80.00	0.721	0.721	1.00
8	12:17	1.00	1.032	1.00	80.00	80.00	0.472	0.472	1.00
9	12:36	1.00	1.057	1.00	80.00	80.00	0.698	0.698	1.00
10	12:41	1.00	1.064	1.00	80.00	80.00	1.242	1.242	1.00
11	12:57	1.00	1.087	1.00	80.00	80.00	0.718	0.718	1.00
12	13:01	1.00	1.092	1.00	80.00	80.00	0.618	0.618	1.00
13	13:11	1.00	1.106	1.00	80.00	80.00	0.364	0.364	1.00
14	9:00	1.00	0.755	1.00	100.00	100.00	0.861	0.861	1.00
15	11:09	1.00	0.936	1.00	100.00	100.00	0.883	0.883	1.00
16	15:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:22	1.00	0.886	1.00	80.00	80.00	0.403	0.403	1.00
18	13:57	1.00	0.924	1.00	80.00	80.00	0.749	0.749	1.00
19	14:10	1.00	0.939	1.00	80.00	80.00	0.192	0.192	1.00
20	14:16	1.00	0.945	1.00	80.00	80.00	0.343	0.343	1.00
21	14:30	1.00	0.961	1.00	80.00	80.00	0.163	0.163	1.00
22	14:31	1.00	0.961	1.00	80.00	80.00	0.483	0.483	1.00
23	14:46	1.00	0.978	1.00	80.00	80.00	0.254	0.254	1.00
24	14:59	1.00	0.993	1.00	80.00	80.00	0.267	0.267	1.00
25	15:09	1.00	1.003	1.00	80.00	80.00	0.952	0.952	1.00
26	15:18	1.00	1.014	1.00	80.00	80.00	0.383	0.383	1.00
27	15:37	1.00	1.034	1.00	80.00	80.00	0.142	0.142	1.00
28	16:32	1.00	1.095	1.00	80.00	80.00	0.279	0.279	1.00
29	16:55	1.00	1.120	1.00	80.00	80.00	0.581	0.581	1.00
30	13:19	1.00	0.882	1.00	100.00	100.00	0.278	0.278	1.00
31	19:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:30	1.00	0.890	1.00	80.00	80.00	0.333	0.333	1.00
33	17:42	1.00	0.900	1.00	80.00	80.00	0.343	0.343	1.00
34	17:48	1.00	0.905	1.00	80.00	80.00	0.367	0.367	1.00
35	18:10	1.00	0.924	1.00	80.00	80.00	1.239	1.239	1.00
36	18:29	1.00	0.940	1.00	80.00	80.00	0.417	0.417	1.00
37	19:01	1.00	0.967	1.00	80.00	80.00	1.102	1.102	1.00
38	19:16	1.00	0.980	1.00	80.00	80.00	1.811	1.811	1.00
39	19:33	1.00	0.994	1.00	80.00	80.00	0.278	0.278	1.00
40	19:45	1.00	1.004	1.00	80.00	80.00	1.054	1.054	1.00
41	19:49	1.00	1.008	1.00	80.00	80.00	0.102	0.102	1.00
42	19:57	1.00	1.015	1.00	80.00	80.00	0.119	0.119	1.00
43	20:10	1.00	1.025	1.00	80.00	80.00	1.540	1.540	1.00
44	19:12	1.00	0.976	1.00	80.00	80.00	0.270	0.270	1.00
45	20:13	1.00	1.028	1.00	80.00	80.00	0.296	0.296	1.00
46	20:51	1.00	1.060	1.00	80.00	80.00	1.067	1.067	1.00
47	21:02	1.00	1.070	1.00	80.00	80.00	0.534	0.534	1.00
48	21:03	1.00	1.071	1.00	80.00	80.00	1.073	1.073	1.00
49	21:09	1.00	1.076	1.00	80.00	80.00	0.224	0.224	1.00
50	17:54	1.00	0.910	1.00	100.00	100.00	0.814	0.814	1.00

Quantitation Report File: MAR27GK04

Data: MAR27GK04.TI
03/27/91 11:26:00
Sample: CLP BNA 80 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2192	21:44	31	1.105	A BB	16096.	100.000 %	1.63
52	188	2371	23:30	52	1.000	A BV	48046	40.000 UG/L	0.65
53	198	2145	21:16	52	0.905	A BB	11776.	80.000 UG/L	1.31
54	248	2250	22:18	52	0.949	A BB	23992	80.000 UG/L	1.31
55	284	2292	22:43	52	0.967	A BB	23792.	80.000 UG/L	1.31
56	266	2336	23:09	52	0.985	A BB	10826.	80.000 UG/L	1.31
57	178	2377	23:34	52	1.003	A BV	103588.	80.000 UG/L	1.31
58	178	2389	23:41	52	1.008	A VB	103698.	80.000 UG/L	1.31
59	149	2521	25:05	52	1.067	A BB	114026	80.000 UG/L	1.31
60	202	2695	26:43	52	1.137	A BB	78032	80.000 UG/L	1.31
61	77	2164	21:27	52	0.913	A VB	130902.	80.000 UG/L	1.31
62	202	2756	27:19	52	1.162	A BB	77326	80.000 UG/L	1.31
63	168	2154	21:21	52	0.908	A VB	36618	80.000 UG/L	1.31
64	240	3162	31:21	64	1.000	A BB	23057.	40.000 UG/L	0.65
65	149	2945	29:11	64	0.931	A BB	34600.	80.000 UG/L	1.31

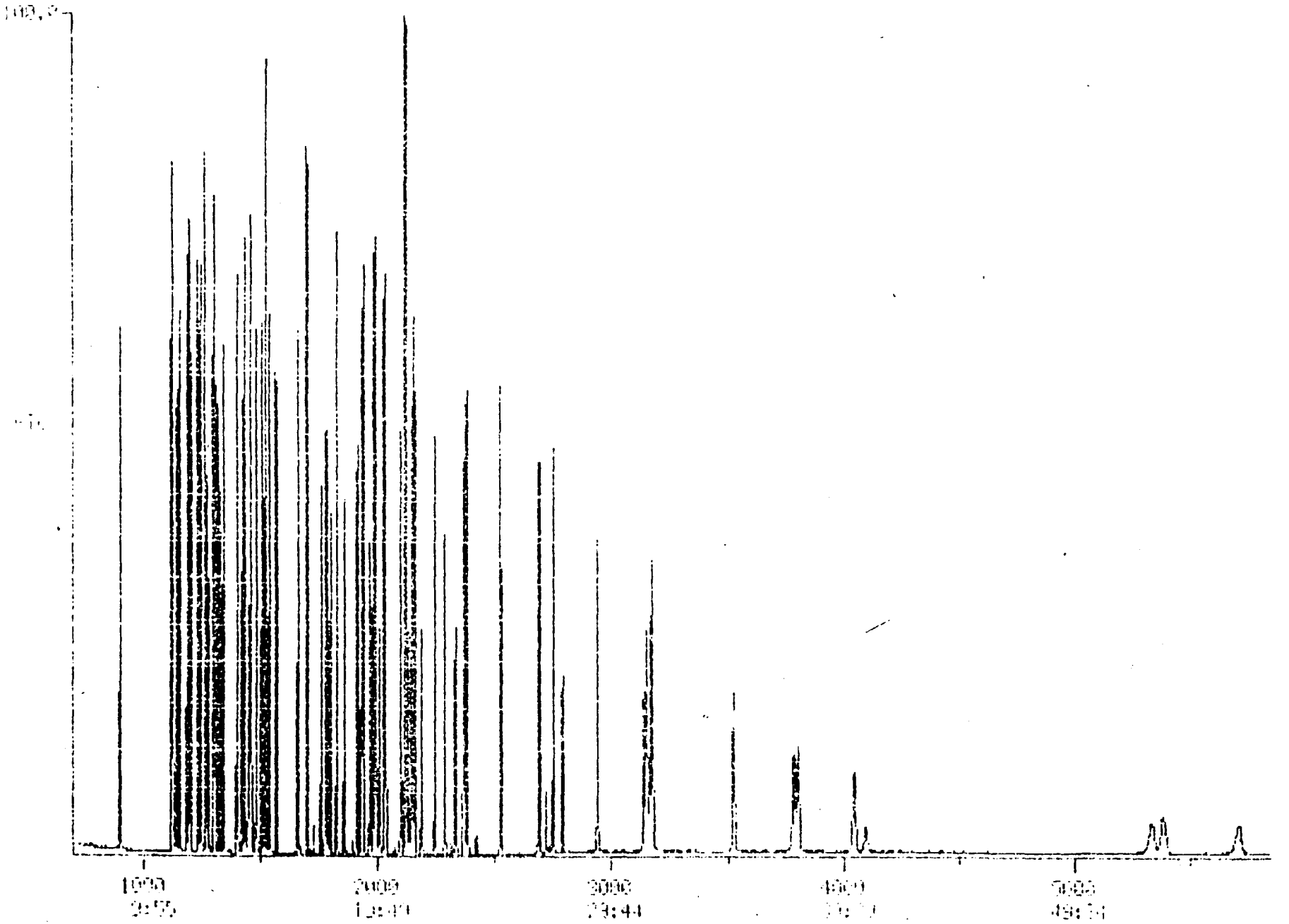
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3144	31:10	64	0.994	A BB	15068	80.000 UG/L	1.31
67	228	3154	31:16	64	0.997	A BB	49485	80.000 UG/L	1.31
68	149	3182	31:32	64	1.006	A BB	41014.	80.000 UG/L	1.31
69	228	3174	31:28	64	1.004	A BB	47557.	80.000 UG/L	1.31
70	244	2794	27:42	64	0.884	A BB	35402.	100.000 %	1.63
71	264	4101	40:39	71	1.000	A BB	13180.	40.000 UG/L	0.65
72	149	3533	35:01	71	0.861	A BB	54020.	80.000 UG/L	1.31
73	252	3790	37:34	71	0.924	A BV	34050.	80.000 UG/L	1.31
74	252	3806	37:44	71	0.928	A VB	34381.	80.000 UG/L	1.31
75	252	4051	40:09	71	0.988	A BB	27360.	80.000 UG/L	1.31
76	276	5336	52:53	71	1.301	A BB	13978.	80.000 UG/L	1.31
77	278	5387	53:24	71	1.314	A BB	14216.	80.000 UG/L	1.31
78	276	5712	56:37	71	1.393	A BB	13262.	80.000 UG/L	1.31

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:44	1.00	1.105	1.00	100.00	100.00	0.139	0.139	1.00
52	23:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:16	1.00	0.905	1.00	80.00	80.00	0.123	0.123	1.00
54	22:18	1.00	0.949	1.00	80.00	80.00	0.250	0.250	1.00
55	22:43	1.00	0.967	1.00	80.00	80.00	0.248	0.248	1.00
56	23:09	1.00	0.985	1.00	80.00	80.00	0.113	0.113	1.00
57	23:34	1.00	1.003	1.00	80.00	80.00	1.078	1.078	1.00
58	23:41	1.00	1.008	1.00	80.00	80.00	1.079	1.079	1.00
59	25:05	1.00	1.067	1.00	80.00	80.00	1.187	1.187	1.00
60	26:43	1.00	1.137	1.00	80.00	80.00	0.812	0.812	1.00
61	21:27	1.00	0.913	1.00	80.00	80.00	1.362	1.362	1.00
62	27:19	1.00	1.162	1.00	80.00	80.00	0.805	0.805	1.00
63	21:21	1.00	0.906	1.00	80.00	80.00	0.381	0.381	1.00
64	31.21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29.11	1.00	0.931	1.00	80.00	80.00	0.750	0.750	1.00
66	31:10	1.00	0.994	1.00	80.00	80.00	0.327	0.327	1.00
67	31:16	1.00	0.997	1.00	80.00	80.00	1.073	1.073	1.00
68	31.32	1.00	1.006	1.00	80.00	80.00	0.889	0.889	1.00
69	31.28	1.00	1.004	1.00	80.00	80.00	1.031	1.031	1.00
70	27.42	1.00	0.884	1.00	100.00	100.00	0.614	0.614	1.00
71	40:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	35:01	1.00	0.861	1.00	80.00	80.00	2.049	2.049	1.00
73	37:34	1.00	0.924	1.00	80.00	80.00	1.292	1.292	1.00
74	37:44	1.00	0.928	1.00	80.00	80.00	1.304	1.304	1.00
75	40:09	1.00	0.988	1.00	80.00	80.00	1.038	1.038	1.00
76	52.53	1.00	1.301	1.00	80.00	80.00	0.530	0.530	1.00
77	53.24	1.00	1.314	1.00	80.00	80.00	0.539	0.539	1.00
78	56:37	1.00	1.393	1.00	80.00	80.00	0.503	0.503	1.00

IC-120

RIC
03/27/91 12:40:00
SAMPLE: CLP BNA 120 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1.5850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20. 3

DATA: MAR27GK05 #1 SCANS 700 TO 5850
CALI: MAR27GK05 #3



30003

002300

Quantitation Report File: MAR27GK05

Data: MAR27GK05.TI
03/27/91 12:40:00
Sample: CLP BNA 120 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	0590 FLUORENE
49	0595 4-NITROANILINE
50	0625 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1201	11.54	1	1.000	A VB	81729.	40.000 UG/L	0.46
2	94	1127	11.10	1	0.938	A BV	230074.	120.000 UG/L	1.37
3	93	1145	11.21	1	0.953	A VB	188890.	120.000 UG/L	1.37
4	128	1158	11.29	1	0.964	A BB	170772.	120.000 UG/L	1.37
5	146	1193	11.50	1	0.993	A BV	168432.	120.000 UG/L	1.37
6	146	1206	11.57	1	1.004	A VB	171720.	120.000 UG/L	1.37
7	146	1251	12.24	1	1.042	A BV	164808.	120.000 UG/L	1.37
8	108	1239	12.17	1	1.032	A BV	113065.	120.000 UG/L	1.37
9	103	1270	12.35	1	1.057	A BV	164813.	120.000 UG/L	1.37
10	45	1278	12.40	1	1.064	A BB	293972.	120.000 UG/L	1.37
11	108	1306	12.57	1	1.087	A BB	170067.	120.000 UG/L	1.37
12	[illegible]	1313	13.01	1	1.093	A BV	151923	120.000 UG/L	1.37
13	117	1329	13.10	1	1.107	A BV	85546.	120.000 UG/L	1.37
14	117	707	8.59	1	0.755	A BB	163408.	100.000 %	1.14
15	99	1184	11.03	1	0.936	A BB	170255.	100.000 %	1.14
16	136	1522	15.07	16	1.000	A BB	160498.	40.000 UG/L	0.46
17	[illegible]	1348	13.22	16	0.686	A BB	193156.	120.000 UG/L	1.37
18	[illegible]	1417	13.57	16	0.924	A BB	359890.	120.000 UG/L	1.37
19	[illegible]	1429	14.00	16	0.939	A BB	94232.	120.000 UG/L	1.37
20	[illegible]	1432	14.15	16	0.945	A BB	170428.	120.000 UG/L	1.37
21	122	1468	14.32	16	0.965	A BB	83604.	120.000 UG/L	1.37
22	[illegible]	1462	14.30	16	0.961	A BB	230926.	120.000 UG/L	1.37
23	[illegible]	1489	14.45	16	0.978	A BB	121870.	120.000 UG/L	1.37
24	120	1512	14.57	16	0.993	A BB	120660.	120.000 UG/L	1.37
25	122	1522	15.15	16	1.000	A BB	441643.	120.000 UG/L	1.37
26	127	1544	15.28	16	1.014	A BB	188690.	120.000 UG/L	1.37
27	255	1574	15.44	16	1.034	A BB	65420.	120.000 UG/L	1.37
28	127	1587	15.51	16	1.043	A BB	134463.	120.000 UG/L	1.37
29	142	1705	16.54	16	1.120	A BV	265200.	120.000 UG/L	1.37
30	88	1349	13.17	16	0.882	A BB	115788.	100.000 %	1.14
31	162	1757	17.19	31	1.000	A BB	64264	40.000 UG/L	0.46
32	277	1769	17.24	31	0.993	A BB	62050.	120.000 UG/L	1.37
33	176	1784	17.41	31	0.900	A BV	64572	120.000 UG/L	1.37
34	176	1794	17.47	31	0.905	A VB	69345	120.000 UG/L	1.37
35	162	1822	18.10	31	0.924	A BB	221250.	120.000 UG/L	1.37
36	[illegible]	1864	18.29	31	0.940	A BB	86984.	120.000 UG/L	1.37
37	162	1919	19.01	31	0.968	A BB	222973.	120.000 UG/L	1.37
38	152	1943	19.13	31	0.980	A BB	334017.	120.000 UG/L	1.37
39	107	1972	19.33	31	0.994	A BB	63496.	120.000 UG/L	1.37
40	172	1992	19.45	31	1.005	A BB	197578.	120.000 UG/L	1.37
41	134	1995	19.43	31	1.008	A BV	30896.	120.000 UG/L	1.37
42	109	2012	19.57	31	1.015	A VB	30110.	120.000 UG/L	1.37
43	162	2033	20.07	31	1.025	A BB	291442.	120.000 UG/L	1.37
44	165	1937	19.12	31	0.977	A BB	56870	120.000 UG/L	1.37
45	165	2038	20.12	31	1.028	A BB	70836	120.000 UG/L	1.37
46	149	2104	20.51	31	1.061	A BB	227226.	120.000 UG/L	1.37
47	204	2121	21.01	31	1.070	A BB	101328.	120.000 UG/L	1.37
48	166	2123	21.03	31	1.071	A BB	206568.	120.000 UG/L	1.37
49	108	2132	21.07	31	1.076	A VB	55454	120.000 UG/L	1.37
50	172	1805	17.53	31	0.910	A BB	126289	100.000 %	1.14

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:10	1.00	0.939	1.00	120.00	120.00	0.938	0.938	1.00
3	11:21	1.00	0.953	1.00	120.00	120.00	0.770	0.770	1.00
4	11:29	1.00	0.964	1.00	120.00	120.00	0.696	0.696	1.00
5	11:50	1.00	0.993	1.00	120.00	120.00	0.687	0.687	1.00
6	11:57	1.00	1.004	1.00	120.00	120.00	0.700	0.700	1.00
7	12:24	1.00	1.042	1.00	120.00	120.00	0.672	0.672	1.00
8	12:17	1.00	1.032	1.00	120.00	120.00	0.461	0.461	1.00
9	12:35	1.00	1.057	1.00	120.00	120.00	0.672	0.672	1.00
10	12:40	1.00	1.064	1.00	120.00	120.00	1.199	1.199	1.00
11	12:57	1.00	1.087	1.00	120.00	120.00	0.694	0.694	1.00
12	13:01	1.00	1.093	1.00	120.00	120.00	0.620	0.620	1.00
13	13:10	1.00	1.107	1.00	120.00	120.00	0.349	0.349	1.00
14	8:59	1.00	0.755	1.00	100.00	100.00	0.800	0.800	1.00
15	11:08	1.00	0.936	1.00	100.00	100.00	0.833	0.833	1.00
16	15:05	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:22	1.00	0.886	1.00	120.00	120.00	0.401	0.401	1.00
18	13:57	1.00	0.924	1.00	120.00	120.00	0.747	0.747	1.00
19	14:10	1.00	0.939	1.00	120.00	120.00	0.196	0.196	1.00
20	14:15	1.00	0.945	1.00	120.00	120.00	0.354	0.354	1.00
21	14:33	1.00	0.965	1.00	120.00	120.00	0.174	0.174	1.00
22	14:30	1.00	0.961	1.00	120.00	120.00	0.480	0.480	1.00
23	14:45	1.00	0.978	1.00	120.00	120.00	0.253	0.253	1.00
24	14:59	1.00	0.993	1.00	120.00	120.00	0.251	0.251	1.00
25	15:09	1.00	1.004	1.00	120.00	120.00	0.917	0.917	1.00
26	15:18	1.00	1.014	1.00	120.00	120.00	0.392	0.392	1.00
27	15:36	1.00	1.034	1.00	120.00	120.00	0.136	0.136	1.00
28	16:31	1.00	1.095	1.00	120.00	120.00	0.279	0.279	1.00
29	16:54	1.00	1.120	1.00	120.00	120.00	0.551	0.551	1.00
30	13:19	1.00	0.882	1.00	100.00	100.00	0.289	0.289	1.00
31	19:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:30	1.00	0.890	1.00	120.00	120.00	0.322	0.322	1.00
33	17:41	1.00	0.900	1.00	120.00	120.00	0.335	0.335	1.00
34	17:47	1.00	0.905	1.00	120.00	120.00	0.360	0.360	1.00
35	18:10	1.00	0.924	1.00	120.00	120.00	1.148	1.148	1.00
36	18:29	1.00	0.940	1.00	120.00	120.00	0.451	0.451	1.00
37	19:01	1.00	0.968	1.00	120.00	120.00	1.157	1.157	1.00
38	19:16	1.00	0.980	1.00	120.00	120.00	1.733	1.733	1.00
39	19:33	1.00	0.994	1.00	120.00	120.00	0.329	0.329	1.00
40	19:45	1.00	1.005	1.00	120.00	120.00	1.025	1.025	1.00
41	19:48	1.00	1.008	1.00	120.00	120.00	0.160	0.160	1.00
42	19:57	1.00	1.015	1.00	120.00	120.00	0.156	0.156	1.00
43	20:09	1.00	1.025	1.00	120.00	120.00	1.512	1.512	1.00
44	19:12	1.00	0.977	1.00	120.00	120.00	0.295	0.295	1.00
45	20:12	1.00	1.028	1.00	120.00	120.00	0.367	0.367	1.00
46	20:51	1.00	1.061	1.00	120.00	120.00	1.179	1.179	1.00
47	21:01	1.00	1.070	1.00	120.00	120.00	0.526	0.526	1.00
48	21:03	1.00	1.071	1.00	120.00	120.00	1.071	1.071	1.00
49	21:09	1.00	1.076	1.00	120.00	120.00	0.288	0.288	1.00
50	17:53	1.00	0.910	1.00	100.00	100.00	0.786	0.786	1.00

Quantitation Report File: MAR27GK05

Data: MAR27GK05.TI
03/27/91 12:40:00
Sample: CLP BNA 120 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	CS31 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2191	21:43	31	1.105	A BB	27092.	100.000 %	1.14
52	188	2370	23:29	52	1.000	A BB	79224.	40.000 UG/L	0.46
53	198	2145	21:16	52	0.905	A BB	36666.	120.000 UG/L	1.37
54	248	2249	22:18	52	0.949	A BB	54272.	120.000 UG/L	1.37
55	284	2291	22:43	52	0.967	A BB	53364.	120.000 UG/L	1.37
56	266	2335	23:09	52	0.985	A BB	31772.	120.000 UG/L	1.37
57	178	2376	23:33	52	1.003	A BV	247724.	120.000 UG/L	1.37
58	178	2388	23.40	52	1.008	A VB	244443.	120.000 UG/L	1.37
59	149	2530	25:05	52	1.068	A BB	322106.	120.000 UG/L	1.37
60	202	2694	26:42	52	1.137	A BB	222462.	120.000 UG/L	1.37
61	77	2163	21:26	52	0.913	A VB	296288.	120.000 UG/L	1.37
62	202	2755	27:13	52	1.162	A BB	226758.	120.000 UG/L	1.37
63	168	2153	21:20	52	0.908	A VB	83552.	120.000 UG/L	1.37
64	240	3162	31:21	64	1.000	A BB	52771.	40.000 UG/L	0.46
65	149	2944	29:11	64	0.931	A BB	123316.	120.000 UG/L	1.37

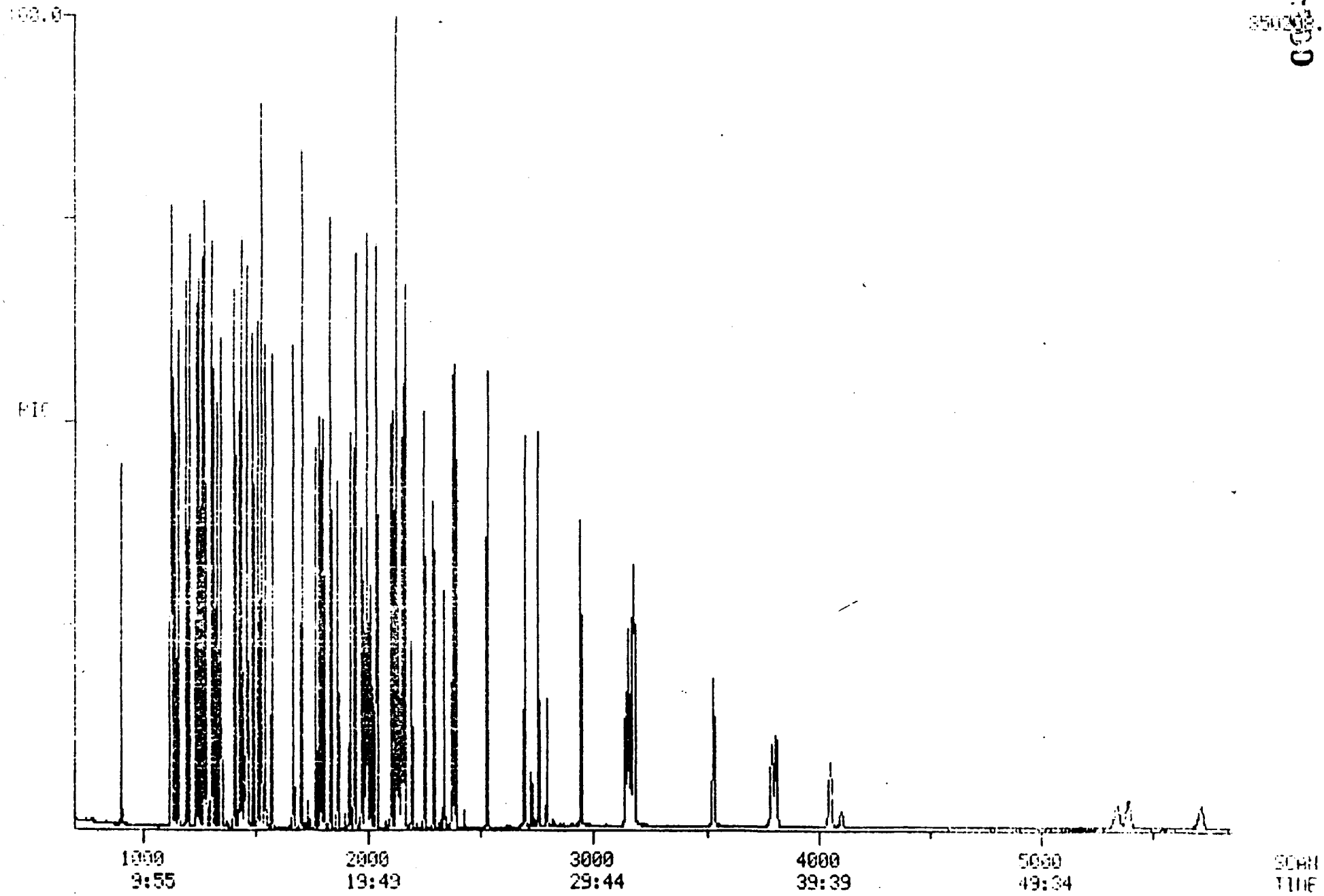
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	252	3143	31:09	64	0.994	A BB	58453	120.000	UG/L	1.37
67	228	3155	31:16	64	0.998	A BV	177389.	120.000	UG/L	1.37
68	149	3181	31:32	64	1.006	A BB	155711.	120.000	UG/L	1.37
69	228	3174	31:28	64	1.004	A VB	166719.	120.000	UG/L	1.37
70	244	2793	27:41	64	0.883	A BB	74228.	100.000	%	1.14
71	264	4101	40:39	71	1.000	A BB	31942.	40.000	UG/L	0.46
72	149	3531	35:00	71	0.861	A BB	223267.	120.000	UG/L	1.37
73	252	3791	37:35	71	0.924	A BV	133247.	120.000	UG/L	1.37
74	252	3809	37:45	71	0.929	A VB	125406.	120.000	UG/L	1.37
75	252	4051	40:09	71	0.988	A BB	107028.	120.000	UG/L	1.37
76	276	5340	52:56	71	1.302	A BB	54111.	120.000	UG/L	1.37
77	278	5390	53:26	71	1.314	A BB	55070.	120.000	UG/L	1.37
78	276	5716	56:39	71	1.394	A BB	50550.	120.000	UG/L	1.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:43	1.00	1.105	1.00	100.00	100.00	0.169	0.169	1.00
52	23:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:16	1.00	0.905	1.00	120.00	120.00	0.163	0.163	1.00
54	22:18	1.00	0.949	1.00	120.00	120.00	0.228	0.228	1.00
55	22:43	1.00	0.967	1.00	120.00	120.00	0.225	0.225	1.00
56	23:09	1.00	0.985	1.00	120.00	120.00	0.134	0.134	1.00
57	23:33	1.00	1.003	1.00	120.00	120.00	1.042	1.042	1.00
58	23:40	1.00	1.008	1.00	120.00	120.00	1.028	1.028	1.00
59	25:05	1.00	1.068	1.00	120.00	120.00	1.355	1.355	1.00
60	26:42	1.00	1.137	1.00	120.00	120.00	0.936	0.936	1.00
61	21:26	1.00	0.913	1.00	120.00	120.00	1.247	1.247	1.00
62	27:18	1.00	1.162	1.00	120.00	120.00	0.954	0.954	1.00
63	21:20	1.00	0.908	1.00	120.00	120.00	0.352	0.352	1.00
64	31:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:11	1.00	0.931	1.00	120.00	120.00	0.779	0.779	1.00
66	31:09	1.00	0.994	1.00	120.00	120.00	0.369	0.369	1.00
67	31:16	1.00	0.998	1.00	120.00	120.00	1.120	1.120	1.00
68	31:32	1.00	1.006	1.00	120.00	120.00	0.984	0.984	1.00
69	31:28	1.00	1.004	1.00	120.00	120.00	1.053	1.053	1.00
70	27:41	1.00	0.883	1.00	100.00	100.00	0.563	0.563	1.00
71	40:39	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	35:00	1.00	0.861	1.00	120.00	120.00	2.330	2.330	1.00
73	37:35	1.00	0.924	1.00	120.00	120.00	1.390	1.390	1.00
74	37:45	1.00	0.929	1.00	120.00	120.00	1.309	1.309	1.00
75	40:09	1.00	0.988	1.00	120.00	120.00	1.117	1.117	1.00
76	52:56	1.00	1.302	1.00	120.00	120.00	0.565	0.565	1.00
77	53:26	1.00	1.314	1.00	120.00	120.00	0.575	0.575	1.00
78	56:39	1.00	1.394	1.00	120.00	120.00	0.528	0.528	1.00

IC-160

RIC
03/27/91 13:56:00
SAMPLE: CLP BNA 160 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5850 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: MAR27GK06 #1 SCANS 700 TO 5850
CALI: MAR27GK06 #3



Data MAR27GK08 TI
[illegible] 91 13:56:00
Sample: CLP BNA ISO NO SOIL STD 10L-1.0ML
Conds. 40 TO 270 3.0 DEG/MIN 30M DB5 CAF
Formula: Instrument IN0500 Weight 0.000
Submitted by: Analyst GA Acct No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Area fac from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C550 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLORO-ANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C542 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

002307

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C625 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1204	11.56	1	1.000	A VB	73427.	40.000 UG/L	0.35
2	94	1130	11.12	1	0.929	A BV	251852.	160.000 UG/L	1.40
3	93	1148	11.23	1	0.953	A VB	202210	160.000 UG/L	1.40
4	128	1161	11.30	1	0.964	A BB	182069	160.000 UG/L	1.40
5	146	1196	11.51	1	0.992	A BV	189321.	160.000 UG/L	1.40
6	146	1208	11.58	1	1.003	A VB	194910	160.000 UG/L	1.40
7	146	1254	12.26	1	1.042	A BB	186339.	160.000 UG/L	1.40
8	108	1242	12.19	1	1.032	A BV	122714	160.000 UG/L	1.40
9	108	1273	12.37	1	1.057	A BV	181728	160.000 UG/L	1.40
10	45	1281	12.42	1	1.064	A BB	312360.	160.000 UG/L	1.40
11	108	1308	12.59	1	1.086	A BB	189662.	160.000 UG/L	1.40
12	70	1316	13.03	1	1.093	A BV	167307.	160.000 UG/L	1.40
13	117	1321	13.12	1	1.105	A BB	99062	160.000 UG/L	1.40
14	112	909	9.01	1	0.755	A BB	135925	100.000 %	0.88
15	99	1127	11.10	1	0.936	A BB	145454.	100.000 %	0.88
16	136	1525	15.07	16	1.000	A BB	146956.	40.000 UG/L	0.35
17	77	1351	13.33	16	0.886	A BB	227408	160.000 UG/L	1.40
18	82	1410	13.99	16	0.925	A BB	433760.	160.000 UG/L	1.40
19	109	1432	14.13	16	0.937	A BB	110464.	160.000 UG/L	1.40
20	107	1441	14.17	16	0.943	A VB	195958.	160.000 UG/L	1.40
21	122	1472	14.39	16	0.965	A BB	102264	160.000 UG/L	1.40
22	93	1466	14.32	16	0.961	A BB	259144.	160.000 UG/L	1.40
23	152	1491	14.47	16	0.978	A BB	141812.	160.000 UG/L	1.40
24	180	1514	15.00	16	0.993	A BB	143212.	160.000 UG/L	1.40
25	122	1530	15.10	16	1.000	A BV	504612	160.000 UG/L	1.40
26	127	1546	15.17	16	1.014	A VB	212352	160.000 UG/L	1.40
27	220	1577	15.36	16	1.034	A BB	72712	160.000 UG/L	1.40
28	107	1669	16.30	16	1.094	A BB	161296.	160.000 UG/L	1.40
29	142	1709	16.56	16	1.120	A BB	299812	160.000 UG/L	1.40
30	82	1846	18.20	16	0.987	A BV	57772	100.000 %	0.88
31	162	1924	19.41	21	1.000	A BB	61866	40.000 UG/L	0.35
32	207	1762	17.31	21	0.990	A BB	77340	160.000 UG/L	1.40
33	196	1787	17.45	21	0.700	A BV	77273	160.000 UG/L	1.40
34	196	1797	17.49	21	0.705	A VB	84438	160.000 UG/L	1.40
35	162	1835	18.11	21	0.724	A BV	265582	160.000 UG/L	1.40
36	65	1867	18.30	21	0.740	A BV	108024	160.000 UG/L	1.40
37	160	1922	19.03	21	0.768	A BB	271753	160.000 UG/L	1.40
38	150	1945	19.17	21	0.787	A BB	402652	160.000 UG/L	1.40
39	138	1975	19.35	21	0.794	A BB	77698	160.000 UG/L	1.40
40	153	1994	19.48	21	1.004	A BB	239256	160.000 UG/L	1.40
41	184	2001	19.50	21	1.008	A BV	41734	160.000 UG/L	1.40
42	109	2015	19.59	21	1.015	A VB	39612	160.000 UG/L	1.40
43	168	2032	20.11	21	1.025	A BB	350984	160.000 UG/L	1.40
44	165	1935	19.13	21	0.975	A BB	74166	160.000 UG/L	1.40
45	165	2041	20.14	21	1.028	A BB	90364	160.000 UG/L	1.40
46	149	2107	20.53	21	1.061	A BB	279700	160.000 UG/L	1.40
47	204	2124	21.03	21	1.069	A BB	163358	160.000 UG/L	1.40
48	166	2127	21.05	21	1.071	A BB	253174	160.000 UG/L	1.40
49	138	2136	21.10	21	1.076	A VB	63248	160.000 UG/L	1.40
50	172	1807	17.55	21	0.910	A VB	120540	100.000 %	0.88

No	Rat(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R Fac	R Fac(L)	Ratio
1	11:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:12	1.00	0.929	1.00	160.00	160.00	0.857	0.857	1.00
3	11:20	1.00	0.953	1.00	160.00	160.00	0.688	0.688	1.00
4	11:30	1.00	0.954	1.00	160.00	160.00	0.640	0.640	1.00
5	11:51	1.00	0.993	1.00	160.00	160.00	0.645	0.645	1.00
6	11:59	1.00	1.000	1.00	160.00	160.00	0.664	0.664	1.00
7	12:26	1.00	1.042	1.00	160.00	160.00	0.634	0.634	1.00
8	12:19	1.00	1.032	1.00	160.00	160.00	0.418	0.418	1.00
9	12:37	1.00	1.057	1.00	160.00	160.00	0.619	0.619	1.00
10	12:42	1.00	1.064	1.00	160.00	160.00	1.064	1.064	1.00
11	12:52	1.00	1.086	1.00	160.00	160.00	0.646	0.646	1.00
12	13:03	1.00	1.093	1.00	160.00	160.00	0.576	0.576	1.00
13	13:12	1.00	1.105	1.00	160.00	160.00	0.337	0.337	1.00
14	9:01	1.00	0.755	1.00	100.00	100.00	0.740	0.740	1.00
15	11:10	1.00	0.926	1.00	100.00	100.00	0.792	0.792	1.00
16	15:07	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:27	1.00	0.886	1.00	160.00	160.00	0.387	0.387	1.00
18	13:59	1.00	0.929	1.00	160.00	160.00	0.738	0.738	1.00
19	14:12	1.00	0.937	1.00	160.00	160.00	0.188	0.188	1.00
20	14:17	1.00	0.945	1.00	160.00	160.00	0.333	0.333	1.00
21	14:35	1.00	0.965	1.00	160.00	160.00	0.174	0.174	1.00
22	14:32	1.00	1.961	1.00	160.00	160.00	0.441	0.441	1.00
23	14:47	1.00	0.973	1.00	160.00	160.00	0.241	0.241	1.00
24	15:00	1.00	0.993	1.00	160.00	160.00	0.244	0.244	1.00
25	15:10	1.00	1.002	1.00	160.00	160.00	0.858	0.858	1.00
26	15:19	1.00	1.014	1.00	160.00	160.00	0.368	0.368	1.00
27	15:29	1.00	1.024	1.00	160.00	160.00	0.131	0.131	1.00
28	16:33	1.00	1.094	1.00	160.00	160.00	0.275	0.275	1.00
29	16:56	1.00	1.120	1.00	160.00	160.00	0.510	0.510	1.00
30	18:20	1.00	0.886	1.00	100.00	100.00	0.266	0.266	1.00
31	19:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:21	1.00	1.890	1.00	160.00	160.00	0.326	0.326	1.00
33	17:42	1.00	0.907	1.00	160.00	160.00	0.319	0.319	1.00
34	17:49	1.00	1.905	1.00	160.00	160.00	0.347	0.347	1.00
35	18:11	1.00	1.924	1.00	160.00	160.00	1.091	1.091	1.00
36	18:30	1.00	1.940	1.00	160.00	160.00	0.444	0.444	1.00
37	19:03	1.00	1.963	1.00	160.00	160.00	1.116	1.116	1.00
38	19:17	1.00	1.981	1.00	160.00	160.00	1.654	1.654	1.00
39	19:29	1.00	0.994	1.00	160.00	160.00	0.319	0.319	1.00
40	19:45	1.00	1.004	1.00	160.00	160.00	0.966	0.966	1.00
41	19:50	1.00	1.008	1.00	160.00	160.00	0.171	0.171	1.00
42	19:59	1.00	1.019	1.00	160.00	160.00	0.159	0.159	1.00
43	20:11	1.00	1.035	1.00	160.00	160.00	1.442	1.442	1.00
44	19:13	1.00	0.976	1.00	160.00	160.00	0.305	0.305	1.00
45	20:14	1.00	1.028	1.00	160.00	160.00	0.371	0.371	1.00
46	20:57	1.00	1.061	1.00	160.00	160.00	1.149	1.149	1.00
47	21:03	1.00	1.067	1.00	160.00	160.00	0.507	0.507	1.00
48	21:09	1.00	1.071	1.00	160.00	160.00	1.040	1.040	1.00
49	21:16	1.00	1.076	1.00	160.00	160.00	0.268	0.268	1.00
50	17:39	1.00	0.917	1.00	100.00	100.00	0.792	0.792	1.00

Quantitation Report File: MAR27GK06

Data: MAR27GK06.TI
03/27/91 13:56:00
Sample: CLP BNA 160 NG/UL STD 1UL-1.0ML
Column: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP
Formula Instrument: INO500 Weight: 0.000
Submitted by: Analyst: GK Acct No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac from Library Entry

No	Name
51	C555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	C160 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C521 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	C170 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	C510 P-TERPHENYL (SURROGATE)
71	C175 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2193	21:44	51	1.104	A BB	27242.	100.000	%	0.88
52	188	2073	20:51	52	1.000	A BB	77355	40.000	UG/L	0.35
53	199	2149	21:17	52	0.905	A BV	502256	160.000	UG/L	1.40
54	248	2252	22:19	52	0.949	A BB	662254.	160.000	UG/L	1.40
55	284	2293	22:44	52	0.966	A BB	671154.	160.000	UG/L	1.40
56	266	2338	23:10	52	0.985	A BB	40149.	160.000	UG/L	1.40
57	178	2379	23:35	52	1.008	A BV	301565	160.000	UG/L	1.40
58	178	2391	23:42	52	1.008	A VB	295160	160.000	UG/L	1.40
59	149	2533	25:06	52	1.067	A BB	276594	160.000	UG/L	1.40
60	202	2597	25:44	52	1.137	A BB	266417	160.000	UG/L	1.40
61	77	2156	21:28	52	0.913	A VB	371556	160.000	UG/L	1.40
62	202	2758	27:20	52	1.162	A BB	266353.	160.000	UG/L	1.40
63	168	2156	21:22	52	0.909	A VB	100229	160.000	UG/L	1.40
64	240	3165	31:50	64	1.000	A BB	43372.	40.000	UG/L	0.35
65	149	2947	29:13	64	0.931	A BB	143200	160.000	UG/L	1.40

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3146	31:11	54	0.994	A BB	61497.	160.000 UG/L	1.40
67	228	3158	31:13	54	0.998	A BV	190328	160.000 UG/L	1.40
68	149	3193	31:20	54	1.006	A BB	189528	160.000 UG/L	1.40
69	228	3177	31:29	54	1.004	A VB	183513.	160.000 UG/L	1.40
70	244	3795	37:42	54	0.833	A BV	67042.	100.000 %	0.88
71	264	4105	40:41	71	1.000	A BB	24741.	40.000 UG/L	0.35
72	149	3534	35:02	71	0.861	A BB	238507	160.000 UG/L	1.40
73	252	3795	37:37	71	0.924	A BV	133029.	160.000 UG/L	1.40
74	252	3810	37:43	71	0.929	A VB	131075	160.000 UG/L	1.40
75	252	4055	40:12	71	0.985	A BB	107652.	160.000 UG/L	1.40
76	276	5344	52:58	71	1.302	A BB	47903.	160.000 UG/L	1.40
77	278	5390	53:24	71	1.313	A BB	54338.	160.000 UG/L	1.40
78	276	5721	56:40	71	1.394	A BB	48643.	160.000 UG/L	1.40

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:44	1.00	1.104	1.00	100.00	100.00	0.179	0.179	1.00
52	22:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:17	1.00	0.905	1.00	160.00	160.00	0.164	0.164	1.00
54	22:19	1.00	0.949	1.00	160.00	160.00	0.214	0.214	1.00
55	22:44	1.00	0.966	1.00	160.00	160.00	0.224	0.224	1.00
56	22:10	1.00	0.985	1.00	160.00	160.00	0.130	0.130	1.00
57	23:35	1.00	1.002	1.00	160.00	160.00	0.975	0.975	1.00
58	23:42	1.00	1.003	1.00	160.00	160.00	0.954	0.954	1.00
59	25:06	1.00	1.067	1.00	160.00	160.00	1.217	1.217	1.00
60	26:44	1.00	1.137	1.00	160.00	160.00	0.861	0.861	1.00
61	21:28	1.00	0.910	1.00	160.00	160.00	1.265	1.265	1.00
62	27:20	1.00	1.162	1.00	160.00	160.00	0.861	0.861	1.00
63	21:22	1.00	0.909	1.10	160.00	160.00	0.324	0.324	1.00
64	31:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:10	1.00	0.931	1.00	160.00	160.00	0.814	0.814	1.00
66	31:11	1.00	0.994	1.00	160.00	160.00	0.350	0.350	1.00
67	21:18	1.00	0.998	1.00	160.00	160.00	1.082	1.082	1.00
68	31:33	1.00	1.016	1.00	160.00	160.00	0.964	0.964	1.00
69	31:29	1.00	1.004	1.00	160.00	160.00	1.043	1.043	1.00
70	27:42	1.00	0.833	1.00	100.00	100.00	0.628	0.628	1.00
71	40:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	35:02	1.00	0.861	1.00	160.00	160.00	2.410	2.410	1.00
73	37:37	1.00	0.924	1.00	160.00	160.00	1.344	1.344	1.00
74	37:43	1.00	0.929	1.00	160.00	160.00	1.324	1.324	1.00
75	40:12	1.00	0.985	1.00	160.00	160.00	1.088	1.088	1.00
76	52:58	1.00	1.302	1.00	160.00	160.00	0.484	0.484	1.00
77	53:24	1.00	1.313	1.00	160.00	160.00	0.549	0.549	1.00
78	56:40	1.00	1.394	1.00	160.00	160.00	0.492	0.492	1.00

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ne: ILLINOIS EPA Contract: _____ 39

ie: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

ıent ID: INC500 Calibration date: 04/02/91 Time: 0859

.e ID: APR02GK02 Init. Calib. Date(s): 03/27/91 03/27/91 25.0%

'50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol *	1.038	1.184	-14.1 *
bis(2-Chloroethyl)Ether	0.845	0.979	-15.9
2-Chlorophenol	0.761	0.813	-6.8
1,3-Dichlorobenzene	0.789	0.863	-9.4
1,4-Dichlorobenzene *	0.818	0.883	-7.9 *
Benzyl Alcohol	0.490	0.524	-6.9
1,2-Dichlorobenzene	0.774	0.831	-7.4
2-Methylphenol	0.743	0.829	-11.6
bis(2-Chloroisopropyl)Ether	1.285	1.536	-19.5
4-Methylphenol	0.769	0.859	-11.7
N-Nitroso-Di-n-Propylamine #	0.661	0.785	-18.8 #
Hexachloroethane	0.392	0.426	-8.7
Nitrobenzene	0.425	0.469	-10.4
Isophorone	0.794	0.947	-19.3
2-Nitrophenol *	0.203	0.201	1.0 *
2,4-Dimethylphenol	0.359	0.382	-6.4
Benzoic Acid	0.178	0.192	-7.9
bis(2-Chloroethoxy)Methane	0.499	0.545	-9.2
2,4-Dichlorophenol *	0.269	0.278	-3.3 *
1,2,4-Trichlorobenzene	0.283	0.289	-2.1
Naphthalene	1.016	1.074	-5.7
4-Chloroaniline	0.380	0.376	1.1
Hexachlorobutadiene *	0.151	0.152	-0.7 *
4-Chloro-3-Methylphenol *	0.296	0.347	-17.2 *
2-Methylnaphthalene	0.603	0.648	-7.5
Hexachlorocyclopentadiene #	0.339	0.313	7.7 #
2,4,6-Trichlorophenol *	0.356	0.343	3.7 *
2,4,5-Trichlorophenol	0.384	0.391	-1.8
2-Chloronaphthalene	1.277	1.264	1.0
2-Nitroaniline	0.449	0.555	-23.6
Dimethyl Phthalate	1.223	1.368	-11.9
Acenaphthylene	1.949	2.088	-7.1
2,6-Dinitrotoluene	0.306	0.351	-14.7
3-Nitroaniline	0.316	0.357	-13.0
Acenaphthene *	1.145	1.217	-6.3 *
2,4-Dinitrophenol #	0.144	0.178	-23.6 #
4-Nitrophenol #	0.150	0.203	-35.3 #

3

1/87 Rev.

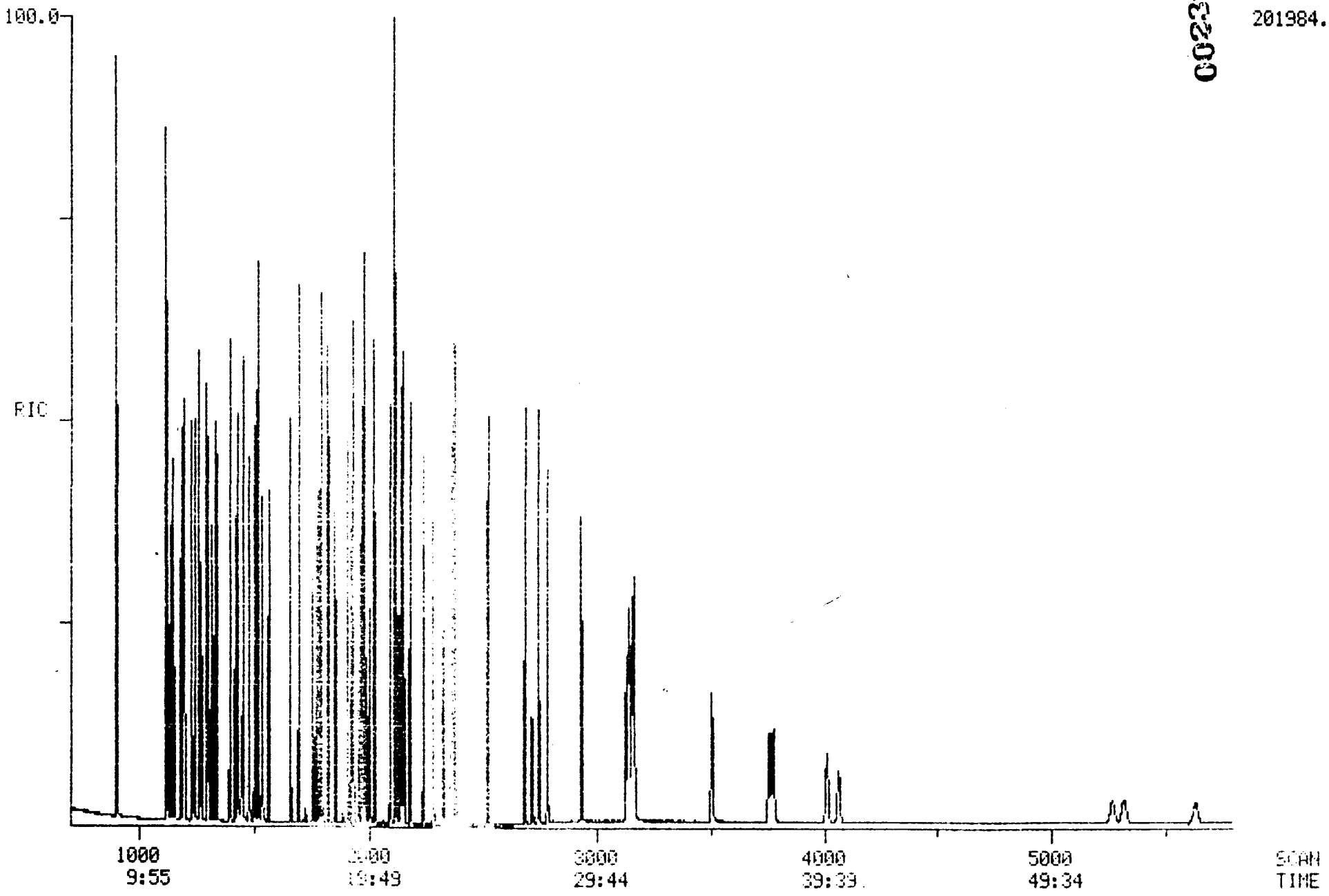
SS1050

RIC
04/02/91 8:59:00
SAMPLE: CLP BNA 50 NG UL STD -1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MI DB5 CAP.
RANGE: G 1,5800 LABEL: N 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR02GK02 #1 SCANS 700 TO 5800
CALI: APR02GK02 #3

002314

201984.



Quantitation Report File: APR02GK02

Data: APR02GK02.TI
04/02/91 8:59:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	150	1195	11:51	1	1.000	A VB	67966.	40.000	UG/L	0.97
2	94	1121	11:07	1	0.938	A BV	100600.	50.000	UG/L	1.21
3	93	1139	11:17	1	0.953	A VV	83146.	50.000	UG/L	1.21
4	128	1152	11:25	1	0.964	A BB	69048.	50.000	UG/L	1.21
5	146	1187	11:46	1	0.993	A BV	73332.	50.000	UG/L	1.21
6	146	1199	11:53	1	1.003	A VV	75038.	50.000	UG/L	1.21
7	146	1245	12:20	1	1.042	A BV	70630.	50.000	UG/L	1.21
8	108	1232	12:13	1	1.031	A BV	44501.	50.000	UG/L	1.21
9	108	1264	12:32	1	1.058	A BV	70416.	50.000	UG/L	1.21
10	45	1272	12:36	1	1.064	A BB	130454.	50.000	UG/L	1.21
11	108	1299	12:53	1	1.087	A BB	72997.	50.000	UG/L	1.21
12	70	1305	12:56	1	1.092	A BV	66687.	50.000	UG/L	1.21
13	117	1322	13:06	1	1.106	A BB	36222.	50.000	UG/L	1.21
14	112	901	8:56	1	0.754	A BB	156028.	100.000	%	2.42
15	99	1118	11:05	1	0.936	A BB	164119.	100.000	%	2.42
16	136	1515	15:01	16	1.000	A BB	152712.	40.000	UG/L	0.97
17	77	1341	13:18	16	0.885	A BB	89486.	50.000	UG/L	1.21
18	82	1400	13:53	16	0.924	A BB	180696.	50.000	UG/L	1.21
19	139	1422	14:06	16	0.939	A BV	38342.	50.000	UG/L	1.21
20	107	1431	14:11	16	0.945	A BB	72903.	50.000	UG/L	1.21
21	122	1455	14:25	16	0.960	A VB	36578.	50.000	UG/L	1.21
22	93	1456	14:26	16	0.961	A BV	103952.	50.000	UG/L	1.21
23	162	1481	14:41	16	0.978	A BB	53076.	50.000	UG/L	1.21
24	180	1505	14:55	16	0.993	A BB	55234.	50.000	UG/L	1.21
25	128	1520	15:04	16	1.003	A BB	205035.	50.000	UG/L	1.21
26	127	1537	15:14	16	1.015	A BB	71825.	50.000	UG/L	1.21
27	225	1568	15:33	16	1.035	A BB	29070.	50.000	UG/L	1.21
28	107	1660	16:27	16	1.096	A BV	66257.	50.000	UG/L	1.21
29	142	1698	16:50	16	1.121	A BB	123742.	50.000	UG/L	1.21
30	82	1337	13:15	16	0.883	A BB	109740.	100.000	%	2.42
31	162	1975	19:35	31	1.000	A BB	72632.	40.000	UG/L	0.97
32	237	1758	17:26	31	0.890	A BB	28424.	50.000	UG/L	1.21
33	196	1777	17:37	31	0.900	A BV	31106.	50.000	UG/L	1.21
34	196	1787	17:43	31	0.905	A VB	35512.	50.000	UG/L	1.21
35	162	1825	18:05	31	0.924	A BB	114766.	50.000	UG/L	1.21
36	65	1856	18:24	31	0.940	A BB	50388.	50.000	UG/L	1.21
37	163	1912	18:57	31	0.968	A BB	124168.	50.000	UG/L	1.21
38	152	1935	19:11	31	0.980	A BB	189602.	50.000	UG/L	1.21
39	138	1964	19:28	31	0.994	A BB	32448.	50.000	UG/L	1.21
40	153	1984	19:40	31	1.005	A BB	110498.	50.000	UG/L	1.21
41	184	1990	19:44	31	1.008	A BB	16166.	50.000	UG/L	1.21
42	109	2005	19:52	31	1.015	A BB	18442.	50.000	UG/L	1.21
43	168	2025	20:04	31	1.025	A BB	160244.	50.000	UG/L	1.21
44	165	1929	19:07	31	0.977	A BB	31846.	50.000	UG/L	1.21
45	165	2031	20:08	31	1.028	A BB	41682.	50.000	UG/L	1.21
46	149	2096	20:47	31	1.061	A BB	134308.	50.000	UG/L	1.21
47	204	2114	20:57	31	1.070	A BB	57372.	50.000	UG/L	1.21
48	166	2116	20:58	31	1.071	A BB	127204.	50.000	UG/L	1.21
49	138	2124	21:03	31	1.075	A VB	31985.	50.000	UG/L	1.21
50	172	1798	17:49	31	0.910	A BB	131536.	100.000	%	2.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:07	1.00	0.938	1.00	50.00	50.00	1.184	1.184	1.00
3	11:17	1.00	0.953	1.00	50.00	50.00	0.979	0.979	1.00
4	11:25	1.00	0.964	1.00	50.00	50.00	0.813	0.813	1.00
5	11:46	1.00	0.993	1.00	50.00	50.00	0.863	0.863	1.00
6	11:53	1.00	1.003	1.00	50.00	50.00	0.883	0.883	1.00
7	12:20	1.00	1.042	1.00	50.00	50.00	0.831	0.831	1.00
8	12:13	1.00	1.031	1.00	50.00	50.00	0.524	0.524	1.00
9	12:32	1.00	1.058	1.00	50.00	50.00	0.829	0.829	1.00
10	12:36	1.00	1.064	1.00	50.00	50.00	1.536	1.536	1.00
11	12:53	1.00	1.087	1.00	50.00	50.00	0.859	0.859	1.00
12	12:56	1.00	1.092	1.00	50.00	50.00	0.785	0.785	1.00
13	13:06	1.00	1.106	1.00	50.00	50.00	0.426	0.426	1.00
14	8:56	1.00	0.754	1.00	100.00	100.00	0.918	0.918	1.00
15	11:05	1.00	0.936	1.00	100.00	100.00	0.966	0.966	1.00
16	15:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:18	1.00	0.885	1.00	50.00	50.00	0.469	0.469	1.00
18	13:53	1.00	0.924	1.00	50.00	50.00	0.947	0.947	1.00
19	14:06	1.00	0.939	1.00	50.00	50.00	0.201	0.201	1.00
20	14:11	1.00	0.945	1.00	50.00	50.00	0.382	0.382	1.00
21	14:25	1.00	0.960	1.00	50.00	50.00	0.192	0.192	1.00
22	14:26	1.00	0.961	1.00	50.00	50.00	0.545	0.545	1.00
23	14:41	1.00	0.978	1.00	50.00	50.00	0.278	0.278	1.00
24	14:55	1.00	0.993	1.00	50.00	50.00	0.289	0.289	1.00
25	15:04	1.00	1.003	1.00	50.00	50.00	1.074	1.074	1.00
26	15:14	1.00	1.015	1.00	50.00	50.00	0.376	0.376	1.00
27	15:33	1.00	1.035	1.00	50.00	50.00	0.152	0.152	1.00
28	16:27	1.00	1.096	1.00	50.00	50.00	0.347	0.347	1.00
29	16:50	1.00	1.121	1.00	50.00	50.00	0.648	0.648	1.00
30	13:15	1.00	0.883	1.00	100.00	100.00	0.287	0.287	1.00
31	19:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:26	1.00	0.890	1.00	50.00	50.00	0.313	0.313	1.00
33	17:37	1.00	0.900	1.00	50.00	50.00	0.343	0.343	1.00
34	17:43	1.00	0.905	1.00	50.00	50.00	0.391	0.391	1.00
35	18:05	1.00	0.924	1.00	50.00	50.00	1.264	1.264	1.00
36	18:24	1.00	0.940	1.00	50.00	50.00	0.555	0.555	1.00
37	18:57	1.00	0.968	1.00	50.00	50.00	1.368	1.368	1.00
38	19:11	1.00	0.980	1.00	50.00	50.00	2.088	2.088	1.00
39	19:28	1.00	0.994	1.00	50.00	50.00	0.357	0.357	1.00
40	19:40	1.00	1.005	1.00	50.00	50.00	1.217	1.217	1.00
41	19:44	1.00	1.008	1.00	50.00	50.00	0.178	0.178	1.00
42	19:52	1.00	1.015	1.00	50.00	50.00	0.203	0.203	1.00
43	20:04	1.00	1.025	1.00	50.00	50.00	1.765	1.765	1.00
44	19:07	1.00	0.977	1.00	50.00	50.00	0.351	0.351	1.00
45	20:08	1.00	1.028	1.00	50.00	50.00	0.459	0.459	1.00
46	20:47	1.00	1.061	1.00	50.00	50.00	1.479	1.479	1.00
47	20:57	1.00	1.070	1.00	50.00	50.00	0.632	0.632	1.00
48	20:58	1.00	1.071	1.00	50.00	50.00	1.401	1.401	1.00
49	21:03	1.00	1.075	1.00	50.00	50.00	0.352	0.352	1.00
50	17:49	1.00	0.910	1.00	100.00	100.00	0.724	0.724	1.00

Quantitation Report File: APR02GK02

Data: APR02GK02.RI
04/02/91 8:59:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Cond's : 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	[illegible] 2,4,6-TRIBROMOPHENOL (SURROGATE)
[illegible]	[illegible] D10-PHENANTHRENE (INTERNAL)
[illegible]	[illegible] 4,6-DINITRO-2-METHYLPHENOL
[illegible]	[illegible] 4-BROMOPHENYL PHENYL ETHER
[illegible]	[illegible] HEXACHLOROBENZENE
[illegible]	[illegible] PENTACHLOROPHENOL
[illegible]	[illegible] PHENANTHRENE
58	C640 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
[illegible]	[illegible] DI-N-OCTYLPHTHALATE
[illegible]	[illegible] BENZO(B)FLUORANTHENE
[illegible]	[illegible] BENZO(K)FLUORANTHENE
[illegible]	[illegible] BENZO(A)PYRENE
[illegible]	[illegible] INDENO(1,2,3-CD)PYRENE
[illegible]	C785 DIBENZO(A,H)ANTHRACENE
[illegible]	C790 BENZO(G,H,I)PERYLENE

[illegible]	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
[illegible]	230	2107	21:38	31	1.105	A BB	32390.	100.000	%	2.42
[illegible]	104	2062	23:25	52	1.000	A BV	105954.	40.000	UG/L	0.97
53	198	2137	21:11	52	0.905	A BB	22096.	50.000	UG/L	1.21
54	248	2241	22:13	52	0.949	A BB	30560.	50.000	UG/L	1.21
55	284	2283	22:38	52	0.967	A BB	32780.	50.000	UG/L	1.21
56	266	2327	23:04	52	0.985	A BB	18214.	50.000	UG/L	1.21
57	178	2368	23:28	52	1.003	A BV	158400.	50.000	UG/L	1.21
58	178	2380	23:35	52	1.008	A VB	162918.	50.000	UG/L	1.21
59	149	2522	25:00	52	1.068	A BB	192666.	50.000	UG/L	1.21
60	202	2686	26:37	52	1.137	A BV	147114.	50.000	UG/L	1.21
61	77	2155	21:22	52	0.912	A VB	188346.	50.000	UG/L	1.21
62	202	2746	27:13	52	1.163	A BB	148638.	50.000	UG/L	1.21
63	168	2146	21:16	52	0.909	A VB	51951.	50.000	UG/L	1.21
64	240	3146	31:11	64	1.000	A BB	74452.	40.000	UG/L	0.97
65	149	2933	29:04	64	0.932	A BB	74532.	50.000	UG/L	1.21

GC:300

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3127	31:00	64	0.994	A BB	35874.	50.000 UG/L	1.21
67	228	3138	31:06	64	0.997	A BV	113196.	50.000 UG/L	1.21
68	149	3165	31:22	64	1.006	A BB	85373.	50.000 UG/L	1.21
69	228	3157	31:18	64	1.003	A VB	106891.	50.000 UG/L	1.21
70	244	2785	27:36	64	0.885	A BB	96892.	100.000 %	2.42
71	264	4065	40:18	71	1.000	A BB	44976.	40.000 UG/L	0.97
72	149	3507	34:46	71	0.863	A BB	117441.	50.000 UG/L	1.21
73	252	3759	37:16	71	0.925	A BV	78096.	50.000 UG/L	1.21
74	252	3777	37:26	71	0.929	A VB	77523.	50.000 UG/L	1.21
75	252	4015	39:48	71	0.988	A BB	62845.	50.000 UG/L	1.21
76	276	5269	52:14	71	1.296	A BB	25459.	50.000 UG/L	1.21
77	278	5319	52:43	71	1.308	A BB	30131.	50.000 UG/L	1.21
78	276	5636	55:52	71	1.386	A*BB	26146.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:38	1.00	1.105	1.00	100.00	100.00	0.178	0.178	1.00
52	23:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:11	1.00	0.905	1.00	50.00	50.00	0.167	0.167	1.00
54	22:13	1.00	0.949	1.00	50.00	50.00	0.231	0.231	1.00
55	22:38	1.00	0.967	1.00	50.00	50.00	0.248	0.248	1.00
56	23:04	1.00	0.985	1.00	50.00	50.00	0.138	0.138	1.00
57	23:28	1.00	1.003	1.00	50.00	50.00	1.196	1.196	1.00
58	23:35	1.00	1.008	1.00	50.00	50.00	1.230	1.230	1.00
59	25:00	1.00	1.068	1.00	50.00	50.00	1.455	1.455	1.00
60	26:37	1.00	1.137	1.00	50.00	50.00	1.111	1.111	1.00
61	21:22	1.00	0.912	1.00	50.00	50.00	1.422	1.422	1.00
62	27:13	1.00	1.163	1.00	50.00	50.00	1.122	1.122	1.00
63	21:16	1.00	0.909	1.00	50.00	50.00	0.392	0.392	1.00
64	31:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:04	1.00	0.932	1.00	50.00	50.00	0.801	0.801	1.00
66	31:00	1.00	0.994	1.00	50.00	50.00	0.385	0.385	1.00
67	31:06	1.00	0.997	1.00	50.00	50.00	1.216	1.216	1.00
68	31:22	1.00	1.006	1.00	50.00	50.00	0.917	0.917	1.00
69	31:18	1.00	1.003	1.00	50.00	50.00	1.149	1.149	1.00
70	27:36	1.00	0.885	1.00	100.00	100.00	0.521	0.521	1.00
71	40:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34:46	1.00	0.863	1.00	50.00	50.00	2.089	2.089	1.00
73	37:16	1.00	0.925	1.00	50.00	50.00	1.389	1.389	1.00
74	37:26	1.00	0.929	1.00	50.00	50.00	1.379	1.379	1.00
75	39:48	1.00	0.988	1.00	50.00	50.00	1.118	1.118	1.00
76	52:14	1.00	1.296	1.00	50.00	50.00	0.453	0.453	1.00
77	52:43	1.00	1.308	1.00	50.00	50.00	0.536	0.536	1.00
78	55:52	1.00	1.386	1.00	50.00	50.00	0.465	0.465	1.00

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: DI9089

Instrument ID: INC500 Calibration date: 04/19/91 Time: 0944

Lab File ID: APR19GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF50	%D	
Phenol	*	1.053	1.155	-9.7	*
bis(2-Chloroethyl)Ether		0.859	0.907	-5.6	
2-Chlorophenol		0.766	0.768	-0.3	
1,3-Dichlorobenzene		0.789	0.763	3.3	
1,4-Dichlorobenzene	*	0.824	0.801	2.8	*
Benzyl Alcohol		0.493	0.495	-0.4	
1,2-Dichlorobenzene		0.768	0.748	2.6	
2-Methylphenol		0.742	0.789	-6.3	
bis(2-Chloroisopropyl)Ether		1.313	1.678	-27.8	
4-Methylphenol		0.769	0.809	-5.2	
N-Nitroso-Di-n-Propylamine	#	0.657	0.787	-19.8	#
Hexachloroethane		0.390	0.389	0.3	
Nitrobenzene		0.434	0.468	-7.8	
Isophorone		0.798	0.856	-7.3	
2-Nitrophenol	*	0.202	0.180	10.9	*
2,4-Dimethylphenol		0.362	0.366	-1.1	
Benzoic Acid		0.176	0.180	-2.3	
bis(2-Chloroethoxy)Methane		0.504	0.512	-1.6	
2,4-Dichlorophenol	*	0.265	0.249	6.0	*
1,2,4-Trichlorobenzene		0.280	0.237	15.4	
Naphthalene		1.020	0.946	7.3	
4-Chloroaniline		0.370	0.209	43.5	
Hexachlorobutadiene	*	0.149	0.113	24.2	*
4-Chloro-3-Methylphenol	*	0.293	0.339	-15.7	*
2-Methylnaphthalene		0.594	0.584	1.7	
Hexachlorocyclopentadiene	#	0.346	0.218	37.0	#
2,4,6-Trichlorophenol	*	0.355	0.288	18.9	*
2,4,5-Trichlorophenol		0.384	0.322	16.2	
2-Chloronaphthalene		1.289	1.078	16.4	
2-Nitroaniline		0.460	0.577	-25.4	
Dimethyl Phthalate		1.199	1.217	-1.5	
Acenaphthylene		1.966	1.781	9.4	
2,6-Dinitrotoluene		0.302	0.318	-5.3	
3-Nitroaniline		0.306	0.356	-16.3	
Acenaphthene	*	1.149	1.041	9.4	*
2,4-Dinitrophenol	#	0.136	0.181	-33.1	#
4-Nitrophenol	#	0.143	0.200	-39.9	#

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: DI9089

Instrument ID: INC500 Calibration date: 04/19/91 Time: 0944

Lab File ID: APR19GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.621	1.564	3.5
2,4-Dinitrotoluene	0.342	0.421	-23.1
Diethylphthalate	1.181	1.355	-14.7
4-Chlorophenyl-phenylether	0.572	0.506	11.5
Fluorene	1.192	1.205	-1.1
4-Nitroaniline	0.255	0.376	-47.4
4,6-Dinitro-2-Methylphenol	0.148	0.160	-8.1
N-Nitrosodiphenylamine (1) *	0.387	0.359	7.2 *
4-Bromophenyl-phenylether	0.249	0.170	31.7
Hexachlorobenzene	0.257	0.171	33.5
Pentachlorophenol *	0.125	0.102	18.4 *
Phenanthrene	1.143	1.051	8.0
Anthracene	1.120	1.086	3.0
Di-n-Butylphthalate	1.252	1.433	-14.5
Fluoranthene *	0.901	0.935	-3.8 *
Pyrene	0.900	0.927	-3.0
Butylbenzylphthalate	0.790	0.919	-16.3
3,3'-Dichlorobenzidine	0.333	0.233	30.0
Benzo(a)Anthracene	1.165	1.069	8.2
Chrysene	1.111	1.011	9.0
bis(2-Ethylhexyl)Phthalate	0.928	0.959	-3.3
Di-n-Octyl Phthalate *	2.129	2.634	-23.7 *
Benzo(b)Fluoranthene	1.353	1.254	7.3
Benzo(k)Fluoranthene	1.355	1.206	11.0
Benzo(a)Pyrene *	1.115	0.950	14.8 *
Indeno(1,2,3-cd)Pyrene	0.608	0.354	41.8
Dibenz(a,h)Anthracene	0.638	0.412	35.4
Benzo(g,h,i)Perylene	0.451	0.330	26.8
Nitrobenzene-d5	0.285	0.246	13.7
2-Fluorobiphenyl	0.821	0.499	39.2
Terphenyl-d14	0.630	0.589	6.5
Phenol-d5	0.918	0.761	17.1
2-Fluorophenol	0.881	0.670	24.0
2,4,6-Tribromophenol	0.161	0.093	42.2

(1) Cannot be separated from Diphenylamine

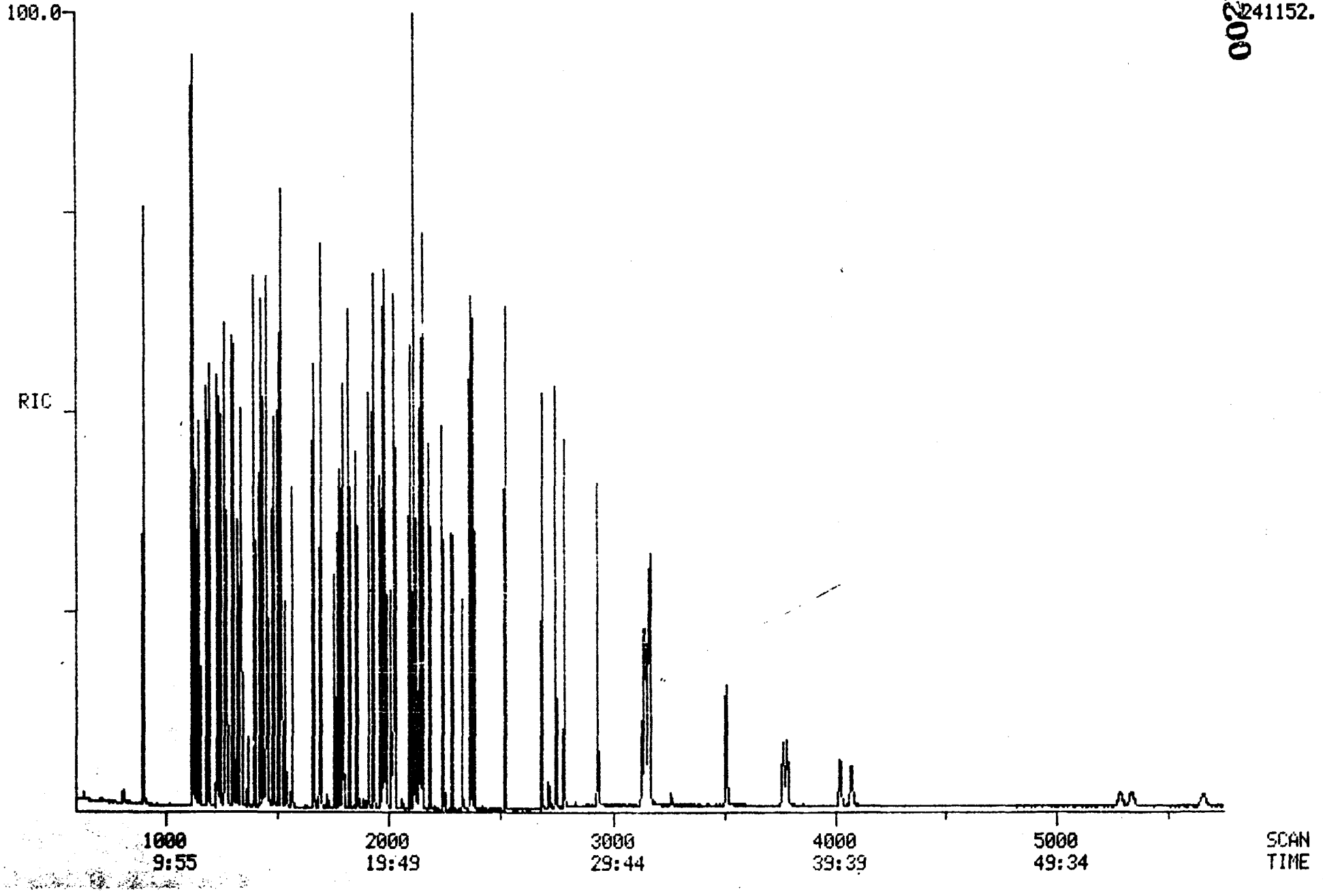
002321

SSTD50

RIC
04/19/91 9:44:00
SAMPLE: CLP BNA 50 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5750 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR19GK02 #1
CALI: APR19GK02 #3
SCANS 600 TO 5750

002322



Quantitation Report File: APR19GK02

Data: APR19GK02.TI
04/19/91 [illegible]:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-BROMOANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1196	11:51	1	1.000	A VB	91632.	40.000 UG/L	0.97
2	94	1124	11:08	1	0.940	A BV	132258.	50.000 UG/L	1.21
3	93	1139	11:17	1	0.952	A VB	103834.	50.000 UG/L	1.21
4	128	1153	11:26	1	0.964	A BB	87948.	50.000 UG/L	1.21
5	146	1187	11:46	1	0.992	A BV	87344.	50.000 UG/L	1.21
6	146	1200	11:54	1	1.003	A VB	91770.	50.000 UG/L	1.21
7	146	1245	12:20	1	1.041	A BB	85678.	50.000 UG/L	1.21
8	108	1233	12:13	1	1.031	A BV	56641.	50.000 UG/L	1.21
9	108	1266	12:33	1	1.059	A BV	90423.	50.000 UG/L	1.21
10	45	1272	12:36	1	1.064	A BB	192154.	50.000 UG/L	1.21
11	108	1301	12:54	1	1.088	A BB	92667.	50.000 UG/L	1.21
12	70	1306	12:57	1	1.092	A BV	90138.	50.000 UG/L	1.21
13	117	1322	13:06	1	1.105	A BB	44544.	50.000 UG/L	1.21
14	112	904	8:58	1	0.756	A BB	153448.	100.000 %	2.42
15	99	1121	11:07	1	0.937	A BV	174242.	100.000 %	2.42
16	136	1516	15:02	16	1.000	A BV	216212.	40.000 UG/L	0.97
17	77	1342	13:18	16	0.885	A BB	126362.	50.000 UG/L	1.21
18	82	1400	13:53	16	0.923	A BB	231442.	50.000 UG/L	1.21
19	135	1422	14:06	16	0.938	A BB	48713.	50.000 UG/L	1.21
20	107	1433	14:12	16	0.945	A BB	98912.	50.000 UG/L	1.21
21	122	1457	14:27	16	0.961	A VB	48536.	50.000 UG/L	1.21
22	93	1456	14:26	16	0.960	A BB	138449.	50.000 UG/L	1.21
23	162	1483	14:42	16	0.978	A BB	67233.	50.000 UG/L	1.21
24	180	1505	14:55	16	0.993	A BB	64130.	50.000 UG/L	1.21
25	128	1521	15:05	16	1.003	A BV	255653.	50.000 UG/L	1.21
26	127	1537	15:14	16	1.014	A BB	56484.	50.000 UG/L	1.21
27	225	1568	15:33	16	1.034	A BB	30420.	50.000 UG/L	1.21
28	107	1663	16:29	16	1.097	A BB	91712.	50.000 UG/L	1.21
29	142	1699	16:50	16	1.121	A BB	157876.	50.000 UG/L	1.21
30	82	1337	13:15	16	0.882	A BV	133018.	100.000 %	2.42
31	162	1976	19:35	31	1.000	A BB	101110.	40.000 UG/L	0.97
32	237	1759	17:26	31	0.890	A BB	27588.	50.000 UG/L	1.21
33	196	1778	17:37	31	0.900	A BV	36414.	50.000 UG/L	1.21
34	196	1790	17:45	31	0.906	A VB	40708.	50.000 UG/L	1.21
35	162	1825	18:05	31	0.924	A BB	136274.	50.000 UG/L	1.21
36	65	1858	18:25	31	0.940	A BB	72922.	50.000 UG/L	1.21
37	163	1912	18:57	31	0.968	A BB	153828.	50.000 UG/L	1.21
38	152	1936	19:11	31	0.980	A BB	225118.	50.000 UG/L	1.21
39	138	1965	19:29	31	0.994	A BB	44997.	50.000 UG/L	1.21
40	153	1985	19:41	31	1.005	A BB	131510.	50.000 UG/L	1.21
41	184	1991	19:44	31	1.008	A BB	22894.	50.000 UG/L	1.21
42	109	2012	19:57	31	1.018	A BV	25299.	50.000 UG/L	1.21
43	168	2026	20:05	31	1.025	A BB	197623.	50.000 UG/L	1.21
44	165	1930	19:08	31	0.977	A BB	40198.	50.000 UG/L	1.21
45	165	2032	20:08	31	1.028	A BB	53224.	50.000 UG/L	1.21
46	149	2097	20:47	31	1.061	A BB	171236.	50.000 UG/L	1.21
47	204	2114	20:57	31	1.070	A BB	63972.	50.000 UG/L	1.21
48	166	2116	20:58	31	1.071	A BB	152320.	50.000 UG/L	1.21
49	138	2126	21:04	31	1.076	A VB	47526.	50.000 UG/L	1.21
50	172	1798	17:49	31	0.910	A BB	126230.	100.000 %	2.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:08	1.00	0.940	1.00	50.00	50.00	1.155	1.155	1.00
3	11:17	1.00	0.952	1.00	50.00	50.00	0.907	0.907	1.00
4	11:26	1.00	0.964	1.00	50.00	50.00	0.768	0.768	1.00
5	11:46	1.00	0.992	1.00	50.00	50.00	0.763	0.763	1.00
6	11:54	1.00	1.003	1.00	50.00	50.00	0.801	0.801	1.00
7	12:20	1.00	1.041	1.00	50.00	50.00	0.748	0.748	1.00
8	12:13	1.00	1.031	1.00	50.00	50.00	0.495	0.495	1.00
9	12:33	1.00	1.059	1.00	50.00	50.00	0.789	0.789	1.00
10	12:36	1.00	1.064	1.00	50.00	50.00	1.678	1.678	1.00
11	12:54	1.00	1.088	1.00	50.00	50.00	0.809	0.809	1.00
12	12:57	1.00	1.092	1.00	50.00	50.00	0.787	0.787	1.00
13	13:06	1.00	1.105	1.00	50.00	50.00	0.389	0.389	1.00
14	8:58	1.00	0.756	1.00	100.00	100.00	0.670	0.670	1.00
15	11:07	1.00	0.937	1.00	100.00	100.00	0.761	0.761	1.00
16	15:02	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:18	1.00	0.885	1.00	50.00	50.00	0.468	0.468	1.00
18	13:53	1.00	0.923	1.00	50.00	50.00	0.856	0.856	1.00
19	14:06	1.00	0.938	1.00	50.00	50.00	0.180	0.180	1.00
20	14:13	1.00	0.945	1.00	50.00	50.00	0.366	0.366	1.00
21	14:27	1.00	0.961	1.00	50.00	50.00	0.180	0.180	1.00
22	14:26	1.00	0.960	1.00	50.00	50.00	0.512	0.512	1.00
23	14:42	1.00	0.978	1.00	50.00	50.00	0.249	0.249	1.00
24	14:55	1.00	0.993	1.00	50.00	50.00	0.237	0.237	1.00
25	15:05	1.00	1.003	1.00	50.00	50.00	0.946	0.946	1.00
26	15:14	1.00	1.014	1.00	50.00	50.00	0.209	0.209	1.00
27	15:33	1.00	1.034	1.00	50.00	50.00	0.113	0.113	1.00
28	16:29	1.00	1.097	1.00	50.00	50.00	0.339	0.339	1.00
29	16:50	1.00	1.121	1.00	50.00	50.00	0.584	0.584	1.00
30	13:15	1.00	0.882	1.00	100.00	100.00	0.246	0.246	1.00
31	19:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:26	1.00	0.890	1.00	50.00	50.00	0.218	0.218	1.00
33	17:37	1.00	0.900	1.00	50.00	50.00	0.288	0.288	1.00
34	17:45	1.00	0.906	1.00	50.00	50.00	0.322	0.322	1.00
35	18:05	1.00	0.924	1.00	50.00	50.00	1.078	1.078	1.00
36	18:25	1.00	0.940	1.00	50.00	50.00	0.577	0.577	1.00
37	18:57	1.00	0.968	1.00	50.00	50.00	1.217	1.217	1.00
38	19:11	1.00	0.980	1.00	50.00	50.00	1.781	1.781	1.00
39	19:27	1.00	0.994	1.00	50.00	50.00	0.356	0.356	1.00
40	19:41	1.00	1.005	1.00	50.00	50.00	1.041	1.041	1.00
41	19:44	1.00	1.008	1.00	50.00	50.00	0.181	0.181	1.00
42	19:57	1.00	1.018	1.00	50.00	50.00	0.200	0.200	1.00
43	20:05	1.00	1.025	1.00	50.00	50.00	1.564	1.564	1.00
44	19:08	1.00	0.977	1.00	50.00	50.00	0.318	0.318	1.00
45	20:08	1.00	1.028	1.00	50.00	50.00	0.421	0.421	1.00
46	20:47	1.00	1.061	1.00	50.00	50.00	1.355	1.355	1.00
47	20:57	1.00	1.070	1.00	50.00	50.00	0.506	0.506	1.00
48	20:58	1.00	1.071	1.00	50.00	50.00	1.205	1.205	1.00
49	21:04	1.00	1.076	1.00	50.00	50.00	0.376	0.376	1.00
50	17:49	1.00	0.910	1.00	100.00	100.00	0.499	0.499	1.00

Quantitation Report File: APR19GK02

Data: APR19GK02.TI
04/19/91 9:44:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 18 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	CS31 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2184	21:39	31	1.105	A BB	23392.	100.000 %	2.42
52	188	2363	23:25	52	1.000	A BV	145208.	40.000 UG/L	0.97
53	198	2138	21:12	52	0.905	A BB	29052.	50.000 UG/L	1.21
54	248	2242	22:13	52	0.949	A BB	30878.	50.000 UG/L	1.21
55	284	2283	22:38	52	0.966	A BB	30960.	50.000 UG/L	1.21
56	266	2329	23:05	52	0.986	A BV	18582.	50.000 UG/L	1.21
57	178	2369	23:29	52	1.003	A BV	190697.	50.000 UG/L	1.21
58	178	2381	23:36	52	1.008	A VB	197101.	50.000 UG/L	1.21
59	149	2523	25:00	52	1.068	A BB	260172.	50.000 UG/L	1.21
60	202	2687	26:38	52	1.137	A BB	169779.	50.000 UG/L	1.21
61	77	2156	21:22	52	0.912	A VB	267653.	50.000 UG/L	1.21
62	202	2747	27:14	52	1.163	A BB	168350.	50.000 UG/L	1.21
63	168	2146	21:16	52	0.908	A VB	65198.	50.000 UG/L	1.21
64	240	3149	31:13	64	1.000	A BB	78928.	40.000 UG/L	0.97
65	149	2934	29:05	64	0.932	A BB	90682.	50.000 UG/L	1.21

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3080	31:02	64	0.994	A BB	22960.	50.000 UG/L	1.21
67	228	3141	31:08	64	0.997	A BV	105472.	50.000 UG/L	1.21
68	149	3167	31:23	64	1.006	A BB	94587.	50.000 UG/L	1.21
69	228	3160	31:19	64	1.003	A VB	99770.	50.000 UG/L	1.21
70	244	2785	27:36	64	0.884	A BB	116308.	100.000 %	2.42
71	264	4075	40:24	71	1.000	A BB	36540.	40.000 UG/L	0.97
72	149	3512	34:49	71	0.862	A BB	120314.	50.000 UG/L	1.21
73	252	3767	37:20	71	0.924	A BV	57296.	50.000 UG/L	1.21
74	252	3784	37:30	71	0.929	A VB	55107.	50.000 UG/L	1.21
75	252	4025	39:54	71	0.988	A BB	43403.	50.000 UG/L	1.21
76	276	5291	52:27	71	1.298	A BB	16172.	50.000 UG/L	1.21
77	278	5338	52:55	71	1.310	A BB	18837.	50.000 UG/L	1.21
78	276	5664	56:09	71	1.390	A*BB	15059.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:39	1.00	1.105	1.00	100.00	100.00	0.093	0.093	1.00
52	23:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:12	1.00	0.905	1.00	50.00	50.00	0.160	0.160	1.00
54	22:13	1.00	0.949	1.00	50.00	50.00	0.170	0.170	1.00
55	22:38	1.00	0.966	1.00	50.00	50.00	0.171	0.171	1.00
56	23:05	1.00	0.986	1.00	50.00	50.00	0.102	0.102	1.00
57	23:29	1.00	1.003	1.00	50.00	50.00	1.051	1.051	1.00
58	23:36	1.00	1.008	1.00	50.00	50.00	1.086	1.086	1.00
59	25:00	1.00	1.068	1.00	50.00	50.00	1.433	1.433	1.00
60	26:38	1.00	1.137	1.00	50.00	50.00	0.935	0.935	1.00
61	21:22	1.00	0.912	1.00	50.00	50.00	1.475	1.475	1.00
62	27.14	1.00	1.163	1.00	50.00	50.00	0.927	0.927	1.00
63	21:16	1.00	0.908	1.00	50.00	50.00	0.359	0.359	1.00
64	31:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:05	1.00	0.932	1.00	50.00	50.00	0.919	0.919	1.00
66	31:02	1.00	0.994	1.00	50.00	50.00	0.233	0.233	1.00
67	31:08	1.00	0.997	1.00	50.00	50.00	1.069	1.069	1.00
68	31:23	1.00	1.006	1.00	50.00	50.00	0.959	0.959	1.00
69	31:19	1.00	1.003	1.00	50.00	50.00	1.011	1.011	1.00
70	27:36	1.00	0.884	1.00	100.00	100.00	0.589	0.589	1.00
71	40:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34:49	1.00	0.862	1.00	50.00	50.00	2.634	2.634	1.00
73	37:20	1.00	0.924	1.00	50.00	50.00	1.254	1.254	1.00
74	37:30	1.00	0.929	1.00	50.00	50.00	1.206	1.206	1.00
75	39:54	1.00	0.988	1.00	50.00	50.00	0.950	0.950	1.00
76	52:27	1.00	1.298	1.00	50.00	50.00	0.354	0.354	1.00
77	52:55	1.00	1.310	1.00	50.00	50.00	0.412	0.412	1.00
78	56:09	1.00	1.390	1.00	50.00	50.00	0.330	0.330	1.00

18

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Instrument ID: INC500 Calibration date: 04/22/91 Time: 0933

Lab File ID: APR22GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF50	%D	
Phenol	*	1.053	0.890	15.5	*
bis(2-Chloroethyl)Ether		0.859	0.668	22.2	
2-Chlorophenol		0.766	0.716	6.5	
1,3-Dichlorobenzene		0.789	0.760	3.7	
1,4-Dichlorobenzene	*	0.824	0.806	2.2	*
Benzyl Alcohol		0.493	0.425	13.8	
1,2-Dichlorobenzene		0.768	0.749	2.5	
2-Methylphenol		0.742	0.674	9.2	
bis(2-Chloroisopropyl)Ether		1.313	1.077	18.0	
4-Methylphenol		0.769	0.696	9.5	
N-Nitroso-Di-n-Propylamine	#	0.657	0.588	10.5	#
Hexachloroethane		0.390	0.341	12.6	
Nitrobenzene		0.434	0.363	16.4	
Isophorone		0.798	0.657	17.7	
2-Nitrophenol	*	0.202	0.181	10.4	*
2,4-Dimethylphenol		0.362	0.332	8.3	
Benzoic Acid		0.176	0.156	11.4	
bis(2-Chloroethoxy)Methane		0.504	0.380	24.6	
2,4-Dichlorophenol	*	0.265	0.251	5.3	*
1,2,4-Trichlorobenzene		0.280	0.249	11.1	
Naphthalene		1.020	0.914	10.4	
4-Chloroaniline		0.370	0.189	48.9	
Hexachlorobutadiene	*	0.149	0.124	16.8	*
4-Chloro-3-Methylphenol	*	0.293	0.284	3.1	*
2-Methylnaphthalene		0.594	0.603	-1.5	
Hexachlorocyclopentadiene	#	0.346	0.232	33.0	#
2,4,6-Trichlorophenol	*	0.355	0.297	16.3	*
2,4,5-Trichlorophenol		0.384	0.314	18.2	
2-Chloronaphthalene		1.289	1.085	15.8	
2-Nitroaniline		0.460	0.432	6.1	
Dimethyl Phthalate		1.199	1.189	0.8	
Acenaphthylene		1.966	1.777	9.6	
2,6-Dinitrotoluene		0.302	0.320	-6.0	
3-Nitroaniline		0.306	0.316	-3.3	
Acenaphthene	*	1.149	1.013	11.8	*
2,4-Dinitrophenol	#	0.136	0.173	-27.2	#
4-Nitrophenol	#	0.143	0.201	-40.6	#

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Instrument ID: INC500 Calibration date: 04/22/91 Time: 0933

Lab File ID: APR22GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Dibenzofuran	1.621	1.582	2.4
2,4-Dinitrotoluene	0.342	0.400	-17.0
Diethylphthalate	1.181	1.297	-9.8
4-Chlorophenyl-phenylether	0.572	0.550	3.8
Fluorene	1.192	1.187	0.4
4-Nitroaniline	0.255	0.327	-28.2
4,6-Dinitro-2-Methylphenol	0.148	0.159	-7.4
N-Nitrosodiphenylamine (1) *	0.387	0.336	13.2 *
4-Bromophenyl-phenylether	0.249	0.183	26.5
Hexachlorobenzene	0.257	0.179	30.4
Pentachlorophenol *	0.125	0.108	13.6 *
Phenanthrene	1.143	0.989	13.5
Anthracene	1.120	1.005	10.3
Di-n-Butylphthalate	1.252	1.221	2.5
Fluoranthene *	0.901	0.938	-4.1 *
Pyrene	0.900	0.924	-2.7
Butylbenzylphthalate	0.790	0.799	-1.1
3,3'-Dichlorobenzidine	0.333	0.252	24.3
Benzo(a)Anthracene	1.165	1.076	7.6
Chrysene	1.111	1.001	9.9
bis(2-Ethylhexyl)Phthalate	0.928	0.801	13.7
Di-n-Octyl Phthalate *	2.129	2.283	-7.2 *
Benzo(b)Fluoranthene	1.353	1.211	10.5
Benzo(k)Fluoranthene	1.355	1.237	8.7
Benzo(a)Pyrene *	1.115	0.973	12.7 *
Indeno(1,2,3-cd)Pyrene	0.608	0.314	48.4
Dibenz(a,h)Anthracene	0.638	0.339	46.9
Benzo(g,h,i)Perylene	0.451	0.341	24.4
Nitrobenzene-d5	0.285	0.193	32.3
2-Fluorobiphenyl	0.821	0.498	39.3
Terphenyl-d14	0.630	0.641	-1.7
Phenol-d5	0.918	0.626	31.8
2-Fluorophenol	0.881	0.564	36.0
2,4,6-Tribromophenol	0.161	0.106	34.2

(1) Cannot be separated from Diphenylamine

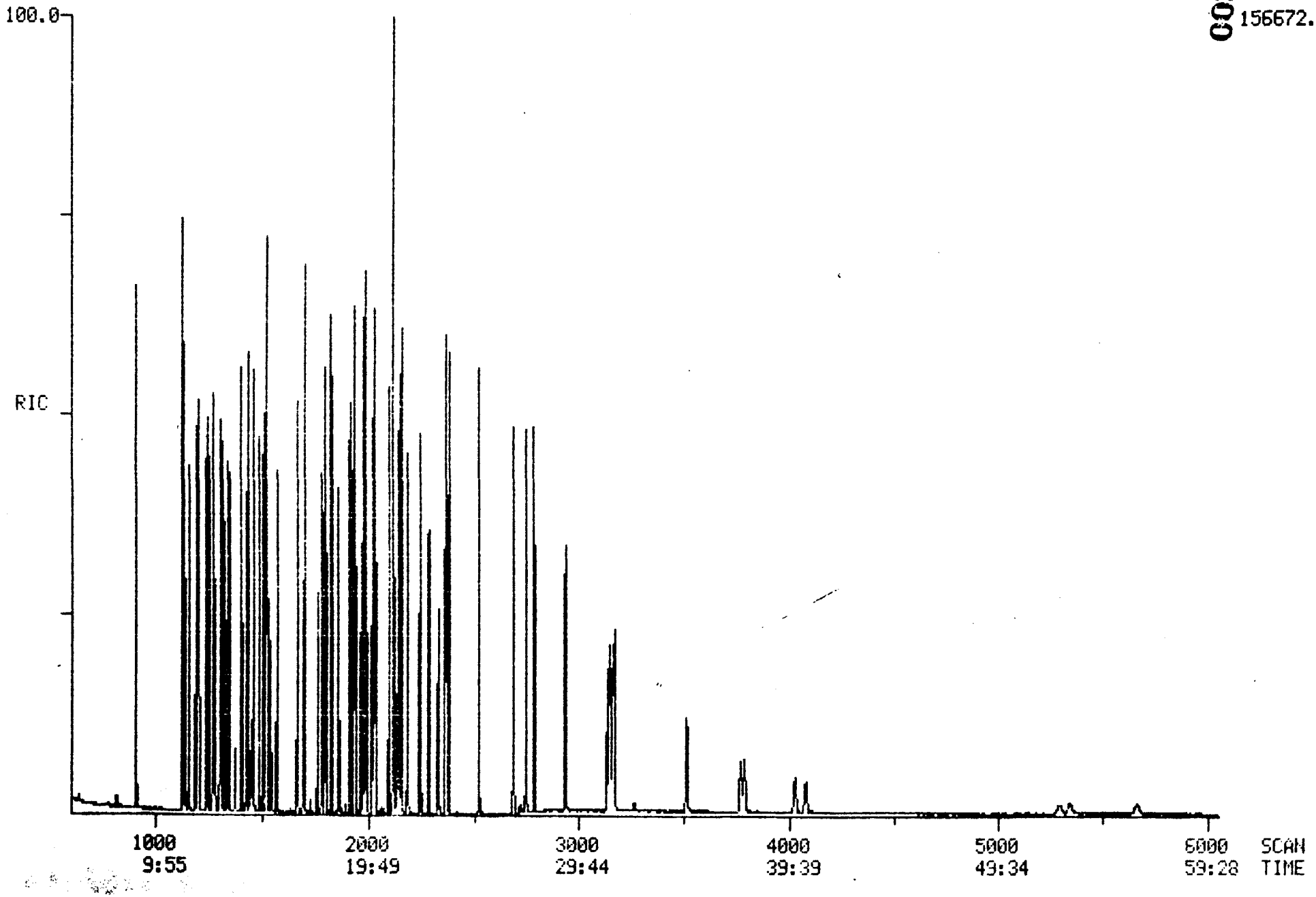
002229

SSTD 50

RIC
04/22/91 9:33:00
SAMPLE: CLP BNA 50 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,6053 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR22GK02 #1 SCANS 600 TO 6053
CALI: APR22GK02 #3

002320



Quantitation Report File: APR22GK02

Data: APR22GK02.TI
04/22/91 [illegible]
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C5[illegible]DANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1199	11:53	1	1.000	A VB	59198.	40.000 UG/L	0.97
2	94	1127	11:10	1	0.940	A BV	65846.	50.000 UG/L	1.21
3	93	1142	11:19	1	0.952	A VB	49458.	50.000 UG/L	1.21
4	128	1157	11:28	1	0.965	A BB	52994.	50.000 UG/L	1.21
5	146	1191	11:48	1	0.993	A BB	56214.	50.000 UG/L	1.21
6	146	1203	11:55	1	1.003	A BB	59653.	50.000 UG/L	1.21
7	146	1249	12:23	1	1.042	A BB	55406.	50.000 UG/L	1.21
8	108	1237	12:16	1	1.032	A BV	31427.	50.000 UG/L	1.21
9	108	1270	12:35	1	1.059	A BV	49911.	50.000 UG/L	1.21
10	45	1276	12:39	1	1.064	A BB	79696.	50.000 UG/L	1.21
11	108	1305	12:56	1	1.088	A BB	51485.	50.000 UG/L	1.21
12	70	1310	12:59	1	1.093	A BB	43522.	50.000 UG/L	1.21
13	[illegible]	1326	13:09	1	1.106	A BB	25238.	50.000 UG/L	1.21
14	112	908	9:00	1	0.757	A BB	83476.	100.000 %	2.42
[illegible]	[illegible]	1124	11:08	1	0.937	A BB	92654.	100.000 %	2.42
16	136	[illegible]	15:02	16	1.000	A BB	145962.	40.000 UG/L	0.97
17	77	1345	13:20	16	0.885	A BB	66195.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	13:55	16	0.924	A BB	119960.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.939	A BB	32982.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.946	A BB	60660.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	14:27	[illegible]	0.962	A VB	28474.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.961	A BB	69250.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	14:44	[illegible]	0.979	A BB	45814.	50.000 UG/L	1.21
24	[illegible]	[illegible]	14:47	[illegible]	0.993	A BB	45372.	50.000 UG/L	1.21
25	128	1525	15:07	[illegible]	1.004	A BV	166740.	50.000 UG/L	1.21
26	127	1541	15:16	16	1.014	A BB	34529.	50.000 UG/L	1.21
27	225	1572	15:35	16	1.035	A BB	22674.	50.000 UG/L	1.21
28	107	1667	16:31	16	1.097	A BB	51763.	50.000 UG/L	1.21
29	142	1703	16:53	16	1.121	A BB	110001.	50.000 UG/L	1.21
30	82	1341	13:18	16	0.883	A BB	70341.	100.000 %	2.42
31	162	1980	19:38	31	1.000	A BB	70118.	40.000 UG/L	0.97
32	237	1762	17:28	31	0.890	A BB	20332.	50.000 UG/L	1.21
33	196	1782	17:40	31	0.900	A BV	26050.	50.000 UG/L	1.21
34	196	1794	17:47	31	0.906	A VB	27562.	50.000 UG/L	1.21
[illegible]	142	1839	18:08	31	0.924	A BB	95128.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	18:27	31	0.940	A BB	37874.	50.000 UG/L	1.21
[illegible]	162	[illegible]	19:59	31	0.968	A BB	104174.	50.000 UG/L	1.21
[illegible]	152	1940	19:14	31	0.980	A BB	155756.	50.000 UG/L	1.21
[illegible]	[illegible]	[illegible]	19:31	31	0.994	A BB	27708.	50.000 UG/L	1.21
[illegible]	153	1988	19:42	31	1.004	A BB	88828.	50.000 UG/L	1.21
[illegible]	194	1995	19:46	31	1.008	A BB	15200.	50.000 UG/L	1.21
[illegible]	109	2016	19:59	31	1.018	A BV	17640.	50.000 UG/L	1.21
[illegible]	168	2029	20:07	31	1.025	A BB	138688.	50.000 UG/L	1.21
44	165	1934	19:10	31	0.977	A BB	28040.	50.000 UG/L	1.21
45	165	2035	20:10	31	1.028	A BB	35032.	50.000 UG/L	1.21
46	149	2101	20:50	31	1.061	A BB	113690.	50.000 UG/L	1.21
47	204	2118	21:00	31	1.070	A BB	48238.	50.000 UG/L	1.21
48	166	2120	21:01	31	1.071	A BB	104078.	50.000 UG/L	1.21
49	138	2130	21:07	31	1.076	A VV	28660.	50.000 UG/L	1.21
50	172	1802	17:52	31	0.910	A BB	87304.	100.000 %	2.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:53	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:[illegible]	[illegible]	0.940	1.00	50.00	50.00	0.890	0.890	1.00
3	11:19	1.00	0.952	1.00	50.00	50.00	0.668	0.668	1.00
4	11:28	1.00	0.965	1.00	50.00	50.00	0.716	0.716	1.00
5	11:48	1.00	0.993	1.00	50.00	50.00	0.760	0.760	1.00
6	11:55	1.00	1.003	1.00	50.00	50.00	0.806	0.806	1.00
7	12:23	1.00	1.042	1.00	50.00	50.00	0.749	0.749	1.00
8	12:16	1.00	1.032	1.00	50.00	50.00	0.425	0.425	1.00
9	12:35	1.00	1.059	1.00	50.00	50.00	0.674	0.674	1.00
10	12:39	1.00	1.064	1.00	50.00	50.00	1.077	1.077	1.00
11	12:56	1.00	1.088	1.00	50.00	50.00	0.696	0.696	1.00
12	12:59	1.00	1.093	1.00	50.00	50.00	0.588	0.588	1.00
13	13:09	1.00	1.106	1.00	50.00	50.00	0.341	0.341	1.00
14	9:00	1.00	0.757	1.00	100.00	100.00	0.564	0.564	1.00
15	11:08	1.00	0.937	1.00	100.00	100.00	0.626	0.626	1.00
16	15:03	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	13:20	1.00	0.885	1.00	50.00	50.00	0.363	0.363	1.00
18	13:55	1.00	0.924	1.00	50.00	50.00	0.657	0.657	1.00
19	14:08	1.00	0.939	1.00	50.00	50.00	0.181	0.181	1.00
20	14:15	1.00	0.946	1.00	50.00	50.00	0.332	0.332	1.00
21	14:29	1.00	0.962	1.00	50.00	50.00	0.156	0.156	1.00
22	14:28	1.00	0.961	1.00	50.00	50.00	0.380	0.380	1.00
23	14:44	1.00	0.979	1.00	50.00	50.00	0.251	0.251	1.00
24	14:57	1.00	0.993	1.00	50.00	50.00	0.249	0.249	1.00
25	15:07	1.00	1.004	1.00	50.00	50.00	0.914	0.914	1.00
26	15:16	1.00	1.014	1.00	50.00	50.00	0.189	0.189	1.00
27	15:35	1.00	1.035	1.00	50.00	50.00	0.124	0.124	1.00
28	16:31	1.00	1.097	1.00	50.00	50.00	0.284	0.284	1.00
29	16:53	1.00	1.121	1.00	50.00	50.00	0.603	0.603	1.00
30	13:18	1.00	0.883	1.00	100.00	100.00	0.193	0.193	1.00
31	19:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:28	1.00	0.890	1.00	50.00	50.00	0.232	0.232	1.00
33	17:40	1.00	0.900	1.00	50.00	50.00	0.297	0.297	1.00
34	17:47	1.00	0.906	1.00	50.00	50.00	0.314	0.314	1.00
35	18:08	1.00	0.924	1.00	50.00	50.00	1.085	1.085	1.00
36	18:27	1.00	0.940	1.00	50.00	50.00	0.432	0.432	1.00
37	18:59	1.00	0.968	1.00	50.00	50.00	1.189	1.189	1.00
38	19:14	1.00	0.980	1.00	50.00	50.00	1.777	1.777	1.00
39	19:31	1.00	0.994	1.00	50.00	50.00	0.316	0.316	1.00
40	19:42	1.00	1.004	1.00	50.00	50.00	1.013	1.013	1.00
41	19:46	1.00	1.008	1.00	50.00	50.00	0.173	0.173	1.00
42	19:59	1.00	1.018	1.00	50.00	50.00	0.201	0.201	1.00
43	20:07	1.00	1.025	1.00	50.00	50.00	1.582	1.582	1.00
44	19:10	1.00	0.977	1.00	50.00	50.00	0.320	0.320	1.00
45	20:10	1.00	1.028	1.00	50.00	50.00	0.400	0.400	1.00
46	20:50	1.00	1.061	1.00	50.00	50.00	1.297	1.297	1.00
47	21:00	1.00	1.070	1.00	50.00	50.00	0.550	0.550	1.00
48	21:01	1.00	1.071	1.00	50.00	50.00	1.187	1.187	1.00
49	21:07	1.00	1.076	1.00	50.00	50.00	0.327	0.327	1.00
50	17:52	1.00	0.910	1.00	100.00	100.00	0.498	0.498	1.00

Quantitation Report File: APR22GK02

Data: APR22GK02.TI
04/22/91 9:33:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2168	21:41	31	1.105	A BB	18508.	100.000 %	2.42
52	188	2367	23:28	52	1.000	A BV	106142.	40.000 UG/L	0.97
53	198	2142	21:14	52	0.905	A BB	21046.	50.000 UG/L	1.21
54	248	2246	22:16	52	0.949	A BB	24268.	50.000 UG/L	1.21
55	284	2297	22:40	52	0.966	A BB	23734.	50.000 UG/L	1.21
56	266	2303	23:07	52	0.986	A BB	14362.	50.000 UG/L	1.21
57	178	2373	23:31	52	1.003	A BV	131235.	50.000 UG/L	1.21
58	178	2385	23:38	52	1.008	A VB	133302.	50.000 UG/L	1.21
59	149	2527	25.03	52	1.068	A BB	161996.	50.000 UG/L	1.21
60	202	2690	26.40	52	1.136	A BB	124486.	50.000 UG/L	1.21
61	77	2160	21:25	52	0.913	A VB	139176.	50.000 UG/L	1.21
62	202	2751	27.16	52	1.162	A BV	122567.	50.000 UG/L	1.21
63	168	2150	21:19	52	0.908	A VB	44566.	50.000 UG/L	1.21
64	240	3153	31.15	64	1.000	A BB	54563.	40.000 UG/L	0.97
65	149	2938	29.07	64	0.932	A BB	54506.	50.000 UG/L	1.21

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	[illegible]	[illegible]	31:04	64	0.994	A BB	17194.	50.000	UG/L	1.21
67	228	3146	31:11	64	0.998	A BV	73407.	50.000	UG/L	1.21
68	149	3172	31:26	64	1.006	A BB	54639.	50.000	UG/L	1.21
69	228	3164	31:22	64	1.003	A VB	68294.	50.000	UG/L	1.21
70	244	2789	27:39	64	0.885	A BB	87472.	100.000	%	2.42
71	264	4080	40:26	71	1.000	A BB	23671.	40.000	UG/L	0.97
72	149	2516	34:51	71	0.862	A BB	67555.	50.000	UG/L	1.21
73	252	3772	37:23	71	0.925	A BV	35819.	50.000	UG/L	1.21
74	252	3789	37:33	71	0.929	A VB	36598.	50.000	UG/L	1.21
75	252	4030	39:57	71	0.988	A BB	28804.	50.000	UG/L	1.21
76	276	5295	52:29	71	1.298	A BB	9293.	50.000	UG/L	1.21
77	278	5347	53:00	71	1.311	A BB	10026.	50.000	UG/L	1.21
78	276	5663	56:08	71	1.388	A BB	10103.	50.000	UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21.41	1.00	1.105	1.00	100.00	100.00	0.106	0.106	1.00
52	23.28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:14	1.00	0.905	1.00	50.00	50.00	0.159	0.159	1.00
54	22.16	1.00	0.949	1.00	50.00	50.00	0.183	0.183	1.00
55	22.47	1.00	0.964	1.00	50.00	50.00	0.179	0.179	1.00
56	23.07	1.00	0.988	1.00	50.00	50.00	0.108	0.108	1.00
57	23:31	1.00	1.000	1.00	50.00	50.00	0.989	0.989	1.00
58	[illegible]	[illegible]	1.008	1.00	50.00	50.00	1.005	1.005	1.00
59	28.17	[illegible]	[illegible]	1.00	50.00	50.00	1.221	1.221	1.00
60	26.40	1.00	[illegible]	1.00	50.00	50.00	0.938	0.938	1.00
61	21.25	1.00	0.913	1.00	50.00	50.00	1.049	1.049	1.00
62	27.16	1.00	1.162	1.00	50.00	50.00	0.924	0.924	1.00
63	21.19	1.00	0.909	1.00	50.00	50.00	0.336	0.336	1.00
64	31.17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29.07	1.00	0.922	1.00	50.00	50.00	0.799	0.799	1.00
66	31.04	1.00	0.994	1.00	50.00	50.00	0.252	0.252	1.00
67	31.11	1.00	0.996	1.00	50.00	50.00	1.076	1.076	1.00
68	31.26	1.00	1.006	1.00	50.00	50.00	0.801	0.801	1.00
69	31.22	1.00	1.003	1.00	50.00	50.00	1.001	1.001	1.00
70	27.39	1.00	0.885	1.00	100.00	100.00	0.641	0.641	1.00
71	40.26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34.51	1.00	0.862	1.00	50.00	50.00	2.283	2.283	1.00
73	37:23	1.00	0.925	1.00	50.00	50.00	1.211	1.211	1.00
74	37.33	1.00	0.929	1.00	50.00	50.00	1.237	1.237	1.00
75	39.57	1.00	0.988	1.00	50.00	50.00	0.973	0.973	1.00
76	52.29	1.00	1.298	1.00	50.00	50.00	0.314	0.314	1.00
77	53:00	1.00	1.311	1.00	50.00	50.00	0.339	0.339	1.00
78	56:08	1.00	1.388	1.00	50.00	50.00	0.341	0.341	1.00

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Instrument ID: INC500 Calibration date: 04/23/91 Time: 0854

Lab File ID: APR23GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF50	%D
Phenol *	1.053	0.952	9.6 *
bis(2-Chloroethyl)Ether	0.859	0.701	18.4
2-Chlorophenol	0.766	0.731	4.6
1,3-Dichlorobenzene	0.789	0.771	2.3
1,4-Dichlorobenzene *	0.824	0.809	1.8 *
Benzyl Alcohol	0.493	0.440	10.8
1,2-Dichlorobenzene	0.768	0.735	4.3
2-Methylphenol	0.742	0.703	5.3
bis(2-Chloroisopropyl)Ether	1.313	1.095	16.6
4-Methylphenol	0.769	0.739	3.9
N-Nitroso-Di-n-Propylamine #	0.657	0.619	5.8 #
Hexachloroethane	0.390	0.350	10.3
Nitrobenzene	0.434	0.382	12.0
Isophorone	0.798	0.694	13.0
2-Nitrophenol *	0.202	0.183	9.4 *
2,4-Dimethylphenol	0.362	0.357	1.4
Benzoic Acid	0.176	0.177	-0.6
bis(2-Chloroethoxy)Methane	0.504	0.403	20.0
2,4-Dichlorophenol *	0.265	0.260	1.9 *
1,2,4-Trichlorobenzene	0.280	0.250	10.7
Naphthalene	1.020	0.918	10.0
4-Chloroaniline	0.370	0.198	46.5
Hexachlorobutadiene *	0.149	0.127	14.8 *
4-Chloro-3-Methylphenol *	0.293	0.309	-5.5 *
2-Methylnaphthalene	0.594	0.618	-4.0
Hexachlorocyclopentadiene #	0.346	0.204	41.0 #
2,4,6-Trichlorophenol *	0.355	0.302	14.9 *
2,4,5-Trichlorophenol	0.384	0.330	14.1
2-Chloronaphthalene	1.289	1.067	17.2
2-Nitroaniline	0.460	0.489	-6.3
Dimethyl Phthalate	1.199	1.228	-2.4
Acenaphthylene	1.966	1.762	10.4
2,6-Dinitrotoluene	0.302	0.329	-8.9
3-Nitroaniline	0.306	0.324	-5.9
Acenaphthene *	1.149	1.020	11.2 *
2,4-Dinitrophenol #	0.136	0.186	-36.8 #
4-Nitrophenol #	0.143	0.239	-67.1 #

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Instrument ID: INC500 Calibration date: 04/23/91 Time: 0854

Lab File ID: APR23GK02 Init. Calib. Date(s): 03/27/91 03/27/91

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

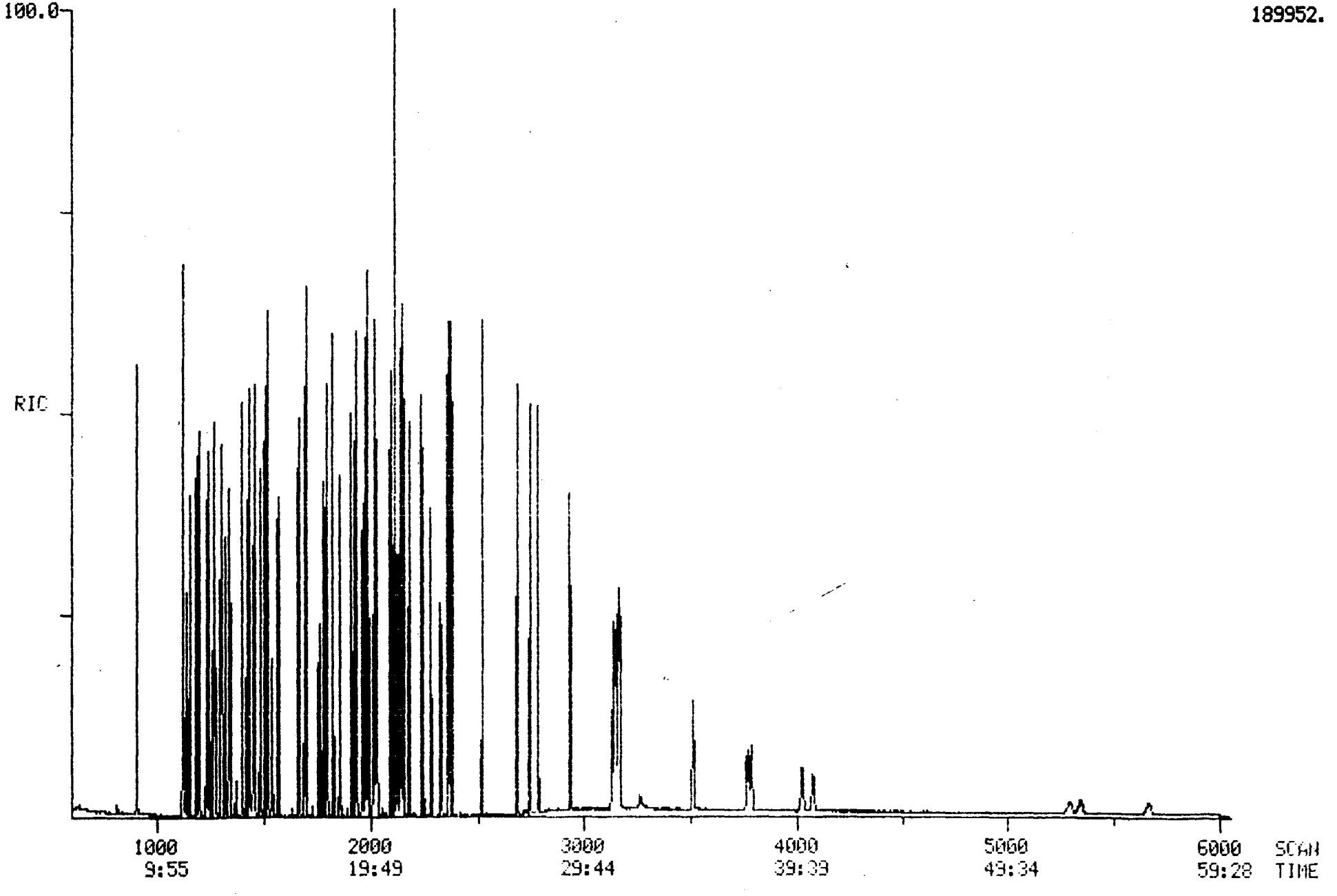
COMPOUND	$\overline{RRF}$	RRF50	%D
Dibenzofuran	1.621	1.618	0.2
2,4-Dinitrotoluene	0.342	0.428	-25.2
Diethylphthalate	1.181	1.383	-17.1
4-Chlorophenyl-phenylether	0.572	0.563	1.6
Fluorene	1.192	1.249	-4.8
4-Nitroaniline	0.255	0.338	-32.6
4,6-Dinitro-2-Methylphenol	0.148	0.153	-3.4
N-Nitrosodiphenylamine (1) *	0.387	0.334	13.7 *
4-Bromophenyl-phenylether	0.249	0.176	29.3
Hexachlorobenzene	0.257	0.173	32.7
Pentachlorophenol *	0.125	0.106	15.2 *
Phenanthrene	1.143	0.999	12.6
Anthracene	1.120	1.021	8.8
Di-n-Butylphthalate	1.252	1.274	-1.8
Fluoranthene *	0.901	0.951	-5.5 *
Pyrene	0.900	0.949	-5.4
Butylbenzylphthalate	0.790	0.814	-3.0
3,3'-Dichlorobenzidine	0.333	0.268	19.5
Benzo(a)Anthracene	1.165	1.109	4.8
Chrysene	1.111	1.024	7.8
bis(2-Ethylhexyl)Phthalate	0.928	0.813	12.4
Di-n-Octyl Phthalate *	2.129	2.436	-14.4 *
Benzo(b)Fluoranthene	1.353	1.281	5.3
Benzo(k)Fluoranthene	1.355	1.309	3.4
Benzo(a)Pyrene *	1.115	1.021	8.4 *
Indeno(1,2,3-cd)Pyrene	0.608	0.358	41.1
Dibenz(a,h)Anthracene	0.638	0.390	38.9
Benzo(g,h,i)Perylene	0.451	0.340	24.6
Nitrobenzene-d5	0.285	0.206	27.7
2-Fluorobiphenyl	0.821	0.497	39.5
Terphenyl-d14	0.630	0.608	3.5
Phenol-d5	0.918	0.640	30.3
2-Fluorophenol	0.881	0.573	35.0
2,4,6-Tribromophenol	0.161	0.117	27.3

(1) Cannot be separated from Diphenylamine

002387

SSTD50

RIC DATA: APR23GK02 #1 SCANS 600 TO 6053
04/23/91 8:54:00 CALI: APR23GK02 #3
SAMPLE: CLP BNA 50 NG/UL STD 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,6053 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



189952.

Quantitation Report File: APR23GK02

Data: APR23GK02.TI
04/23/[illegible] 14:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C215 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C380 D5-NITROBENZENE (SURROGATE)
15	C049 D5-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1197	11:52	1	1.000	A VB	62464.	40.000 UG/L	0.97
2	94	1125	11:09	1	0.940	A BV	74362.	50.000 UG/L	1.21
3	93	1140	11:18	1	0.952	A VB	54719.	50.000 UG/L	1.21
4	128	1155	11:27	1	0.965	A BB	57098.	50.000 UG/L	1.21
5	146	1189	11:47	1	0.993	A BB	60213.	50.000 UG/L	1.21
6	146	1201	11:54	1	1.003	A BB	63176.	50.000 UG/L	1.21
7	146	1247	12:22	1	1.042	A BB	57414.	50.000 UG/L	1.21
8	108	1234	12:14	1	1.031	A BV	34345.	50.000 UG/L	1.21
9	108	1268	12:34	1	1.059	A BV	54897.	50.000 UG/L	1.21
10	45	1274	12:38	1	1.064	A BB	85462.	50.000 UG/L	1.21
11	108	1303	12:55	1	1.089	A BB	57698.	50.000 UG/L	1.21
12	70	1307	12.57	1	1.092	A BB	48320.	50.000 UG/L	1.21
13	117	1324	13:07	1	1.106	A BB	27348.	50.000 UG/L	1.21
14	112	906	8:59	1	0.757	A BB	89502.	100.000 %	2.42
15	99	1122	11:07	1	0.937	A BB	99878.	100.000 %	2.42
16	136	1517	15:02	16	1.000	A BV	151552.	40.000 UG/L	0.97
17	77	1343	13:19	16	0.885	A BB	72384.	50.000 UG/L	1.21
18	92	1402	13:54	16	0.924	A BB	131452.	50.000 UG/L	1.21
19	139	1424	14.07	16	0.939	A BB	34748.	50.000 UG/L	1.21
20	107	1434	14:13	16	0.945	A BB	67641.	50.000 UG/L	1.21
21	122	1458	14:27	16	0.961	A VB	33443.	50.000 UG/L	1.21
22	93	1458	14 27	16	0.961	A BB	76388.	50.000 UG/L	1.21
23	162	1485	14:43	16	0.979	A BB	49322.	50.000 UG/L	1.21
24	180	1507	14.56	16	0.993	A BB	47354.	50.000 UG/L	1.21
25	128	1522	15.05	16	1.003	A BV	173864.	50.000 UG/L	1.21
26	127	1539	15:15	16	1.015	A BB	37520.	50.000 UG/L	1.21
27	225	1570	15:34	16	1.035	A BB	24014.	50.000 UG/L	1.21
28	107	1665	16:30	16	1.098	A BB	58502.	50.000 UG/L	1.21
29	142	1700	16.51	16	1.121	A BB	117037.	50.000 UG/L	1.21
30	92	1339	13 16	16	0.883	A BB	78068.	100.000 %	2.42
31	162	1978	19 36	31	1.000	A BB	78242.	40.000 UG/L	0.97
32	227	1760	17 27	31	0.890	A BB	19970.	50.000 UG/L	1.21
33	196	1780	17 39	31	0.900	A BV	29542.	50.000 UG/L	1.21
34	196	1792	17.46	31	0.906	A VB	32274.	50.000 UG/L	1.21
35	162	1827	18 07	31	0.924	A BB	104342.	50.000 UG/L	1.21
36	65	1859	18:26	31	0.940	A BB	47794.	50.000 UG/L	1.21
37	163	1914	18 58	31	0.968	A BB	120140.	50.000 UG/L	1.21
38	152	1938	19:13	31	0.980	A BB	172340.	50.000 UG/L	1.21
39	138	1967	19:30	31	0.994	A BB	31692.	50.000 UG/L	1.21
40	153	1986	19:41	31	1.004	A BB	99784.	50.000 UG/L	1.21
41	184	1993	19:45	31	1.008	A BB	18206.	50.000 UG/L	1.21
42	109	2014	19:58	31	1.018	A BV	23411.	50.000 UG/L	1.21
43	168	2027	20:06	31	1.025	A BB	158244.	50.000 UG/L	1.21
44	165	1932	19:09	31	0.977	A BB	32132.	50.000 UG/L	1.21
45	165	2033	20:09	31	1.028	A BB	41898.	50.000 UG/L	1.21
46	149	2098	20:48	31	1.061	A BB	135268.	50.000 UG/L	1.21
47	204	2116	20:58	31	1.070	A BB	55050.	50.000 UG/L	1.21
48	166	2118	21 00	31	1.071	A BB	122124.	50.000 UG/L	1.21
49	138	2128	21 06	31	1.076	A VB	33063.	50.000 UG/L	1.21
50	172	1800	17.51	31	0.910	A BB	97250.	100.000 %	2.42

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	11:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	11:09	1.00	0.940	1.00	50.00	50.00	0.952	0.952	1.00
3	11:18	1.00	0.952	1.00	50.00	50.00	0.701	0.701	1.00
4	11:27	1.00	0.965	1.00	50.00	50.00	0.731	0.731	1.00
5	11:47	1.00	0.993	1.00	50.00	50.00	0.771	0.771	1.00
6	11:54	1.00	1.003	1.00	50.00	50.00	0.809	0.809	1.00
7	12:22	1.00	1.042	1.00	50.00	50.00	0.735	0.735	1.00
8	12:14	1.00	1.031	1.00	50.00	50.00	0.440	0.440	1.00
9	12:34	1.00	1.059	1.00	50.00	50.00	0.703	0.703	1.00
10	12:38	1.00	1.064	1.00	50.00	50.00	1.095	1.095	1.00
11	12:55	1.00	1.089	1.00	50.00	50.00	0.739	0.739	1.00
12	12:57	1.00	1.092	1.00	50.00	50.00	0.619	0.619	1.00
13	13:07	1.00	1.106	1.00	50.00	50.00	0.350	0.350	1.00
14	[illegible]	1.00	0.757	1.00	100.00	100.00	0.573	0.573	1.00
15	11:07	1.00	[illegible]	1.00	100.00	100.00	0.640	0.640	1.00
16	[illegible]	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
17	[illegible]	1.00	[illegible]	1.00	50.00	50.00	0.382	0.382	1.00
18	[illegible]	1.00	[illegible]	1.00	50.00	50.00	0.694	0.694	1.00
19	[illegible]	1.00	0.939	1.00	50.00	50.00	0.183	0.183	1.00
20	14:13	1.00	0.945	1.00	50.00	50.00	0.357	0.357	1.00
21	[illegible]	1.00	0.961	1.00	50.00	50.00	0.177	0.177	1.00
22	14:27	1.00	0.961	1.00	50.00	50.00	0.403	0.403	1.00
23	14:43	1.00	0.979	1.00	50.00	50.00	0.260	0.260	1.00
24	14:56	1.00	0.993	1.00	50.00	50.00	0.250	0.250	1.00
25	15:05	1.00	1.003	1.00	50.00	50.00	0.918	0.918	1.00
26	15:15	1.00	1.015	1.00	50.00	50.00	0.198	0.198	1.00
27	15:34	1.00	1.035	1.00	50.00	50.00	0.127	0.127	1.00
28	16:30	1.00	1.098	1.00	50.00	50.00	0.309	0.309	1.00
29	16:51	1.00	1.121	1.00	50.00	50.00	0.618	0.618	1.00
30	13:16	1.00	0.883	1.00	100.00	100.00	0.206	0.206	1.00
31	17:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
32	17:27	1.00	0.890	1.00	50.00	50.00	0.204	0.204	1.00
33	[illegible]	1.00	0.900	1.00	50.00	50.00	0.302	0.302	1.00
34	17:46	1.00	0.906	1.00	50.00	50.00	0.330	0.330	1.00
35	[illegible]	1.00	0.924	1.00	50.00	50.00	1.067	1.067	1.00
36	18:26	1.00	0.940	1.00	50.00	50.00	0.489	0.489	1.00
37	18:59	1.00	0.966	1.00	50.00	50.00	1.228	1.228	1.00
38	19:13	1.00	0.980	1.00	50.00	50.00	1.762	1.762	1.00
39	19:30	1.00	0.994	1.00	50.00	50.00	0.324	0.324	1.00
40	19:41	1.00	1.004	1.00	50.00	50.00	1.020	1.020	1.00
41	19:45	1.00	1.008	1.00	50.00	50.00	0.186	0.186	1.00
42	19:58	1.00	1.018	1.00	50.00	50.00	0.239	0.239	1.00
43	20:06	1.00	1.025	1.00	50.00	50.00	1.618	1.618	1.00
44	19:09	1.00	0.977	1.00	50.00	50.00	0.329	0.329	1.00
45	20:09	1.00	1.028	1.00	50.00	50.00	0.428	0.428	1.00
46	20:48	1.00	1.061	1.00	50.00	50.00	1.383	1.383	1.00
47	20:58	1.00	1.070	1.00	50.00	50.00	0.563	0.563	1.00
48	21:00	1.00	1.071	1.00	50.00	50.00	1.249	1.249	1.00
49	21:06	1.00	1.076	1.00	50.00	50.00	0.338	0.338	1.00
50	17:51	1.00	0.910	1.00	100.00	100.00	0.497	0.497	1.00

Quantitation Report File: APR23GK02

Data: APR23GK02.TI
04/23/91 8:54:00
Sample: CLP BNA 50 NG/UL STD 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: Analyst: GK Acct. No.:

002342

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2186	21:40	31	1.105	A BB	22864.	100.000	%	2.42
52	188	2365	23:27	52	1.000	A BV	130778.	40.000	UG/L	0.97
53	198	2140	21:13	52	0.905	A BB	25036.	50.000	UG/L	1.21
54	248	2244	22:15	52	0.949	A BB	28768.	50.000	UG/L	1.21
55	284	2285	22:39	52	0.966	A BB	28360.	50.000	UG/L	1.21
56	266	2331	23:06	52	0.986	A BB	17352.	50.000	UG/L	1.21
57	178	2371	23:30	52	1.003	A BV	163390.	50.000	UG/L	1.21
58	178	2383	23:37	52	1.008	A VB	166879.	50.000	UG/L	1.21
59	149	2524	25:01	52	1.067	A BB	208268.	50.000	UG/L	1.21
60	202	2688	26:39	52	1.137	A BB	155494.	50.000	UG/L	1.21
61	77	2158	21:23	52	0.912	A VB	176858.	50.000	UG/L	1.21
62	202	2749	27:15	52	1.162	A BB	155140.	50.000	UG/L	1.21
63	168	2148	21:17	52	0.908	A VB	54544.	50.000	UG/L	1.21
64	240	3151	31:14	64	1.000	A BB	72660.	40.000	UG/L	0.97
65	149	2936	29:06	64	0.932	A BB	73951.	50.000	UG/L	1.21

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3133	31:03	64	0.994	A BB	24324.	50.000 UG/L	1.21
67	228	3144	31:10	64	0.998	A BV	100746.	50.000 UG/L	1.21
68	149	3160	31:25	64	1.006	A BB	73835.	50.000 UG/L	1.21
69	228	3162	31:21	64	1.003	A VB	92960.	50.000 UG/L	1.21
70	244	2787	27:37	64	0.884	A BB	110492.	100.000 %	2.42
71	264	4079	40:26	71	1.000	A BB	31921.	40.000 UG/L	0.97
72	149	3514	34:50	71	0.861	A BB	97212.	50.000 UG/L	1.21
73	252	3770	37:22	71	0.924	A BV	51104.	50.000 UG/L	1.21
74	252	3788	37:33	71	0.929	A VB	52234.	50.000 UG/L	1.21
75	252	4028	39:56	71	0.987	A BB	40748.	50.000 UG/L	1.21
76	276	5296	52:30	71	1.298	A BB	14266.	50.000 UG/L	1.21
77	278	5343	52:58	71	1.310	A BB	15578.	50.000 UG/L	1.21
78	276	5666	56:10	71	1.389	A BB	13568.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	21:40	1.00	1.105	1.00	100.00	100.00	0.117	0.117	1.00
52	23:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
53	21:13	1.00	0.905	1.00	50.00	50.00	0.153	0.153	1.00
54	22:15	1.00	0.949	1.00	50.00	50.00	0.176	0.176	1.00
55	22:39	1.00	0.966	1.00	50.00	50.00	0.173	0.173	1.00
56	23:06	1.00	0.986	1.00	50.00	50.00	0.106	0.106	1.00
57	23:30	1.00	1.003	1.00	50.00	50.00	0.999	0.999	1.00
58	23:37	1.00	1.008	1.00	50.00	50.00	1.021	1.021	1.00
59	25:01	1.00	1.067	1.00	50.00	50.00	1.274	1.274	1.00
60	26:39	1.00	1.137	1.00	50.00	50.00	0.951	0.951	1.00
61	21:23	1.00	0.912	1.00	50.00	50.00	1.082	1.082	1.00
62	27:15	1.00	1.162	1.00	50.00	50.00	0.949	0.949	1.00
63	21:17	1.00	0.908	1.00	50.00	50.00	0.334	0.334	1.00
64	31:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
65	29:06	1.00	0.932	1.00	50.00	50.00	0.814	0.814	1.00
66	31:03	1.00	0.994	1.00	50.00	50.00	0.268	0.268	1.00
67	31:10	1.00	0.998	1.00	50.00	50.00	1.109	1.109	1.00
68	31:25	1.00	1.006	1.00	50.00	50.00	0.813	0.813	1.00
69	31:21	1.00	1.003	1.00	50.00	50.00	1.024	1.024	1.00
70	27:37	1.00	0.884	1.00	100.00	100.00	0.608	0.608	1.00
71	40:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
72	34:50	1.00	0.861	1.00	50.00	50.00	2.436	2.436	1.00
73	37:22	1.00	0.924	1.00	50.00	50.00	1.281	1.281	1.00
74	37:33	1.00	0.929	1.00	50.00	50.00	1.309	1.309	1.00
75	39:56	1.00	0.987	1.00	50.00	50.00	1.021	1.021	1.00
76	52:30	1.00	1.298	1.00	50.00	50.00	0.358	0.358	1.00
77	52:58	1.00	1.310	1.00	50.00	50.00	0.390	0.390	1.00
78	56:10	1.00	1.389	1.00	50.00	50.00	0.340	0.340	1.00

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR02GK02 Date Analyzed: 04/02/91

Instrument ID: INC500 Time Analyzed: 0859

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	68000	11.85	153000	15.02	72600	19.59
	UPPER LIMIT	136000		306000		145200	
	LOWER LIMIT	34000		76500		36300	
	EPA SAMPLE NO.						
01	G201	70400	11.85	161000	15.02	71400	19.59
02	G202	55600	11.84	128000	15.00	58600	19.55
03	G203	61900	11.82	142000	14.99	65500	19.55
04	G204	62200	11.85	144000	15.02	65300	19.59
05	G205	79400	11.84	188000	15.00	91300	19.57
06	SBLKW	57800	11.85	132000	15.02	59600	19.59
07	G205MS	74200	11.82	168000	14.99	83400	19.55
08	G205MSD	86500	11.85	193000	15.02	95500	19.59
09	SBLKW	57800	11.85	132000	15.02	59600	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

002244

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR02GK02 Date Analyzed: 04/02/91

Instrument ID: INC500 Time Analyzed: 0859

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	106000	23.42	74500	31.19	45000	40.31
	UPPER LIMIT	212000		149000		90000	
	LOWER LIMIT	53000		37250		22500	
	EPA SAMPLE NO.						
01	G201	103000	23.42	69400	31.19	48000	40.31
02	G202	82200	23.40	46900	31.16	25200	40.31
03	G203	98600	23.39	65300	31.16	42200	40.29
04	G204	92700	23.42	55500	31.19	31200	40.31
05	G205	137000	23.40	77200	31.17	40900	40.31
06	SBLKW	88000	23.42	55200	31.17	37300	40.31
07	G205MS	128000	23.39	72000	31.16	35500	40.31
08	G205MSD	143000	23.42	84500	31.19	43400	40.31
09	SBLKW	38000	23.42	55200	31.17	37300	40.31

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

002345

FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR19GK02 Date Analyzed: 04/19/91

Instrument ID: INC500 Time Analyzed: 0944

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	91600	11.85	216000	15.04	101000	19.59
	UPPER LIMIT	183200		432000		202000	
	LOWER LIMIT	45800		108000		50500	
	EPA SAMPLE NO.						
01	SBLKSL	96700	11.85	229000	15.02	102000	19.59
02	X101	32100 *	11.87	86000 *	15.05	40700 *	19.60
03	X102	35000 *	11.85	86300 *	15.04	38500 *	19.60
04	X112	80900	11.84	196000	15.00	88000	19.57
05	X112RE	87600	11.84	207000	15.00	90200	19.57
06	X114	26900 *	11.87	65700 *	15.04	32500 *	19.60
07	SBLKSL	96700	11.85	229000	15.02	102000	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

002346

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR19GK02 Date Analyzed: 04/19/91

Instrument ID: INC500 Time Analyzed: 0944

		IS4(PHN) AREA	#	RT	IS5(CRY) AREA	#	RT	IS6(PRY) AREA	#	RT
	12 HOUR STD	145000		23.42	78900		31.22	36500		40.41
	UPPER LIMIT	290000			157800			73000		
	LOWER LIMIT	72500			39450			18250		
	EPA SAMPLE NO.									
01	SBLKSL	154000		23.42	84400		31.21	40300		40.39
02	X101	62800	*	23.45	32500	*	31.22	16000	*	40.41
03	X102	63000	*	23.42	34400	*	31.21	16700	*	40.37
04	X112	133000		23.40	77000		31.19	38400		40.37
05	X112RE	140000		23.40	81800		31.21	37600		40.37
06	X114	53400	*	23.44	29600	*	31.22	14900	*	40.39
07	SBLKSL	154000		23.42	84400		31.21	40300		40.39

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

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FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR22GK02 Date Analyzed: 04/22/91

Instrument ID: INC500 Time Analyzed: 0933

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	59200	11.89	146000	15.05	70100	19.64
	UPPER LIMIT	118400		292000		140200	
	LOWER LIMIT	29600		73000		35050	
	EPA SAMPLE NO.						
01	X103	44000	11.87	118000	15.04	65200	19.60
02	X104	49400	11.87	129000	15.05	63700	19.62
03	X106	72100	11.85	130000	15.02	90600	19.59
04	X107	54200	11.85	135000	15.04	69100	19.60
05	X108	59200	11.85	151000	15.02	80700	19.59
06	X109	48500	11.87	122000	15.05	64800	19.62
07	X110	75700	11.90	190000	15.07	92900	19.64
08	X111	64100	11.80	161000	15.00	81000	19.59
09	X113	57100	11.85	151000	15.04	77900	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

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FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR22GK02 Date Analyzed: 04/22/91

Instrument ID: INC500 Time Analyzed: 0933

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	106000	23.47	54600	31.26	23700	40.44
	UPPER LIMIT	212000		109200		47400	
	LOWER LIMIT	53000		27300		11850	
	EPA SAMPLE NO.						
01	X103	110000	23.44	47700	31.22	21500	40.44
02	X104	101000	23.45	47600	31.26	22700	40.44
03	X106	147000	23.42	105000	31.24	55100 *	40.46
04	X107	130000	23.44	107000	31.26	43100	40.47
05	X108	138000	23.42	72600	31.22	35000	40.42
06	X109	111000	23.45	68900	31.26	33700	40.46
07	X110	151000	23.47	79500	31.27	40700	40.47
08	X111	130000	23.42	77700	31.22	38100	40.44
09	X113	132000	23.42	61100	31.22	27900	40.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

Column used to flag internal standard area values with an asterisk

002379

FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR23GK02 Date Analyzed: 04/23/91

Instrument ID: INC500 Time Analyzed: 0854

		IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
	12 HOUR STD	62500	11.87	152000	15.04	78200	19.60
	UPPER LIMIT	125000		304000		156400	
	LOWER LIMIT	31250		76000		39100	
	EPA SAMPLE NO.						
01	X114MS	95400	11.84	229000	15.00	112000	19.59
02	X114MSD	107000	11.90	265000	15.07	133000	19.64

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

00070

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Lab File ID (Standard): APR23GK02 Date Analyzed: 04/23/91

Instrument ID: INC500 Time Analyzed: 0854

		IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
	12 HOUR STD	131000	23.45	72700	31.24	31900	40.44
	UPPER LIMIT	262000		145400		63800	
	LOWER LIMIT	65500		36350		15950	
	EPA SAMPLE NO.						
01	X114MS	194000	23.42	123000	31.21	66900 *	40.42
02	X114MSD	223000	23.47	129000	31.26	58700	40.47

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

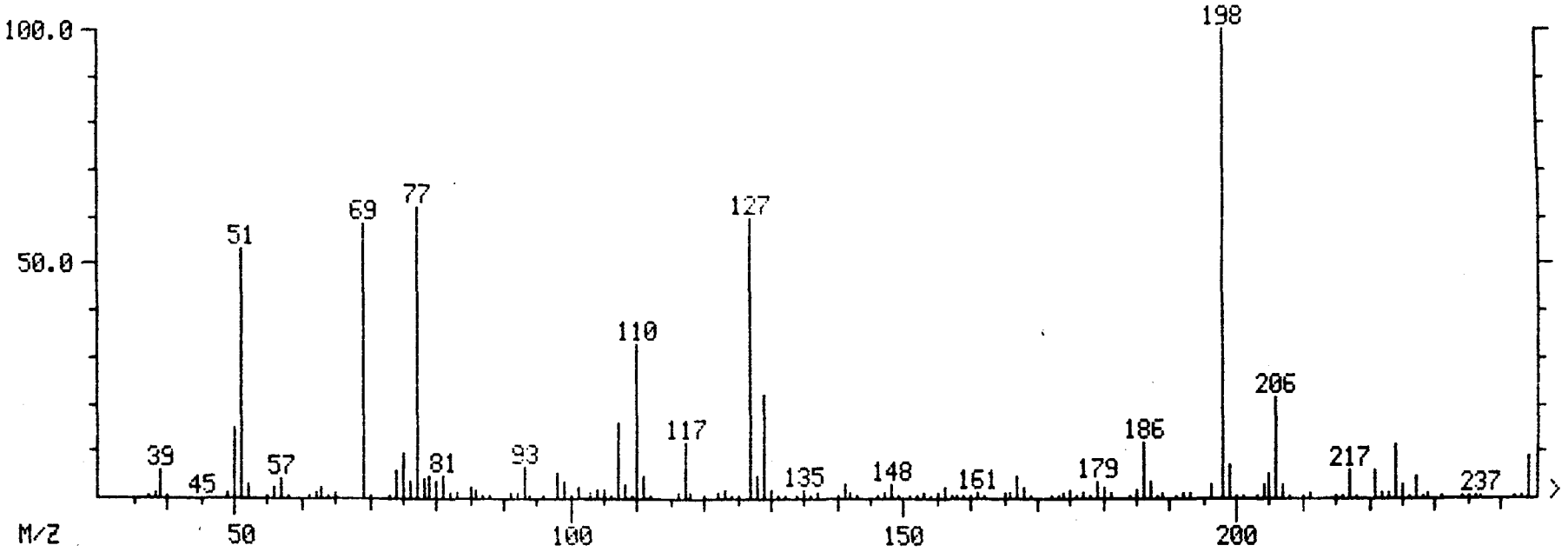
C02351

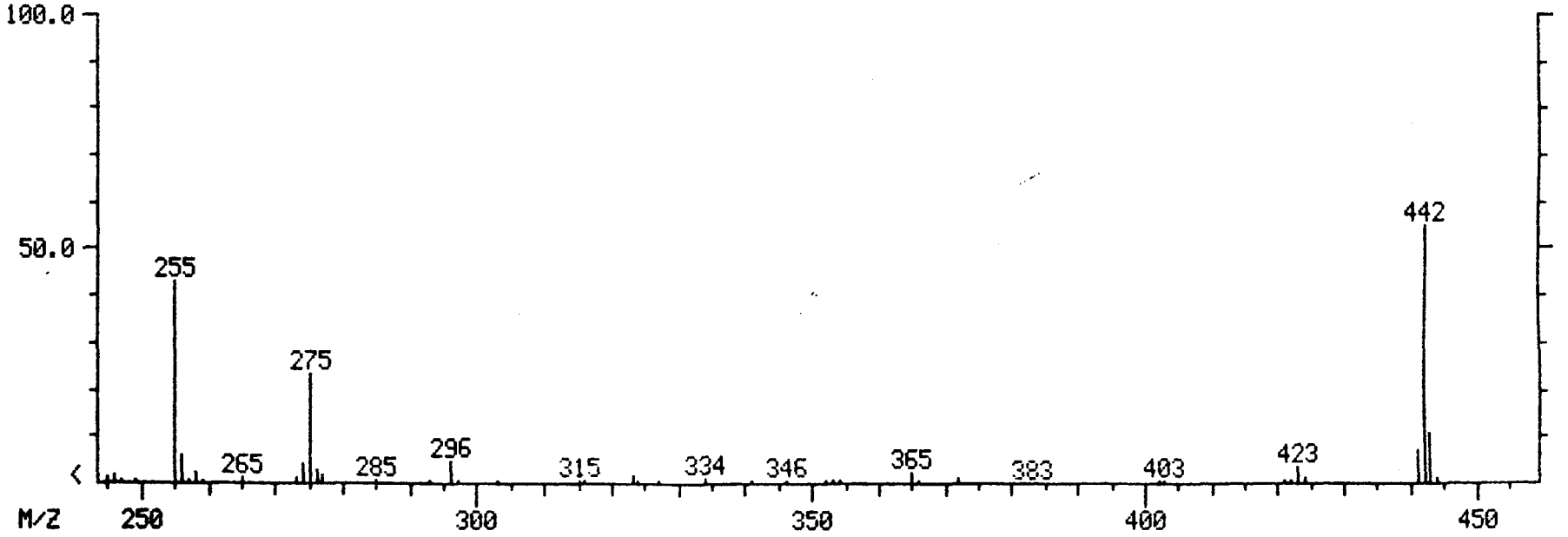
FORM VIII SV-2 1/87 Rev.

MASS SPECTRUM
04/02/91 8:41:00 + 10:01
SAMPLE: DFTPP 1UL-1.0ML
CONDS.: 150 TO 270 @ 10 DEG/MIN 30M DB5-CAP.
TEMP: 245 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK01 #1011
CALI: APR02GK01 #3

BASE M/Z: 198
RIC: 143104.





Mass List Data: APRO2GK01 #1011 Base m/z: 198
04/02/91 8:41:00 + 10:01 Cali: APRO2GK01 # 3 RIC: 143104.
Sample: DFTPP 1UL-1.0ML
Conds.: 150 TO 270 @ 10 DEG/MIN 30M DB5-CAP.
Enhanced (S 15B 2N OT)

36	0.00	0.	Minima	Min Inten:	159.
444			Maxima	# 0	
Mass	% RA	Inten.	Mass	% RA	Inten.
38?	1.33	208.	161	1.27	198.
39?	6.17	963.	165	1.12	175.
49?	1.33	207.	167	4.84	755.
50?	14.95	2332.	168	2.46	384.
51?	53.13	8288.	174	1.05	164.
52?	3.26	509.	175	1.84	287.
56?	2.13	333.	177	1.17	183.
57?	4.39	685.	179	3.67	572.
62?	1.03	160.	180	2.34	365.
63?	2.51	391.	181	1.27	198.
65?	1.23	192.	185	1.71	266.
69	58.46	9120.	186	12.10	1888.
74	5.88	917.	187	3.62	565.
75	9.32	1454.	192	1.17	183.
76	3.76	587.	193	1.17	182.
77	62.05	9680.	196	2.98	465.
78	4.40	687.	198	100.00	15600.
79	4.53	707.	199	6.94	1082.
80	3.35	522.	204	3.04	475.
81	4.61	719.	205	5.17	807.
82	1.22	190.	206	21.51	3356.
85	2.10	328.	207	2.75	429.
86	1.55	242.	211	1.02	159.
91	1.17	182.	217	5.71	891.
92	1.31	205.	221	5.70	889.
93	6.73	1050.	223	1.46	227.
98	5.20	811.	224	11.17	1742.
99	3.87	603.	225	3.04	474.
101	2.21	345.	227	4.53	707.
104	1.67	261.	244	9.03	1408.
105	1.57	245.	245	1.30	203.
107	16.31	2544.	246	1.71	266.
108	2.79	435.	255	43.13	6728.
110	33.23	5184.	256	6.21	969.
111	4.69	731.	258	2.36	368.
116	1.44	225.	273	1.44	225.
117	11.78	1838.	274	4.12	643.
122	1.26	197.	275	23.46	3660.
123	1.69	263.	276	3.08	480.
127	59.59	9296.	277	1.73	270.
128	4.92	767.	296	5.08	792.
129	22.26	3472.	323	1.78	277.
130	1.96	306.	334	1.20	187.
135	1.75	273.	365	2.39	373.
141	2.76	431.	372	1.10	171.
142	1.12	174.	423	3.63	566.
147	1.48	231.	441	7.09	1106.
148	2.92	455.	442	54.87	8560.
155	1.43	223.	443	10.55	1646.
156	2.18	340.	444	1.04	163.

DECAFLUOROTRIPHENYLPHOSPHINE

Tuning Report
04/02/91 8:41:00 + 10:01
Instrument: INC500
Enhanced (S 15B 2N OT)
Case Number:

Data: APR02GK01 #1011
Cali: APR02GK01 # 3
Analyst: GK
Laboratory:

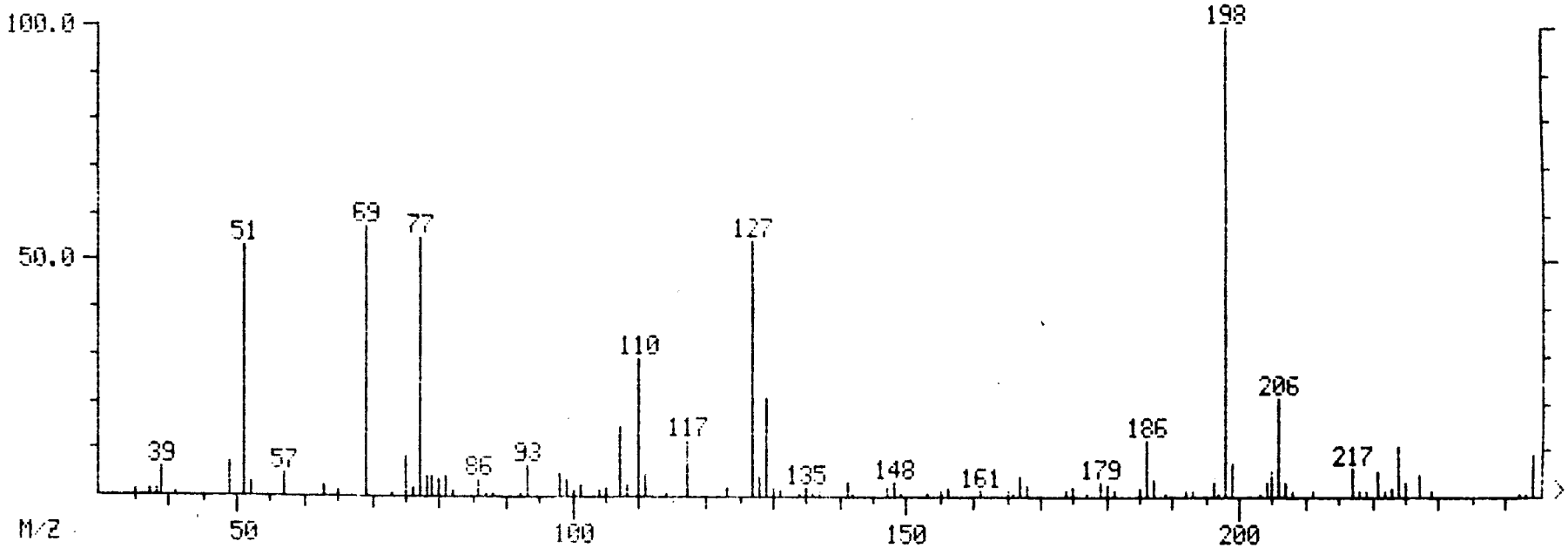
Base m/z: 198
RIC: 143104.
Acct. No.:
Contract:

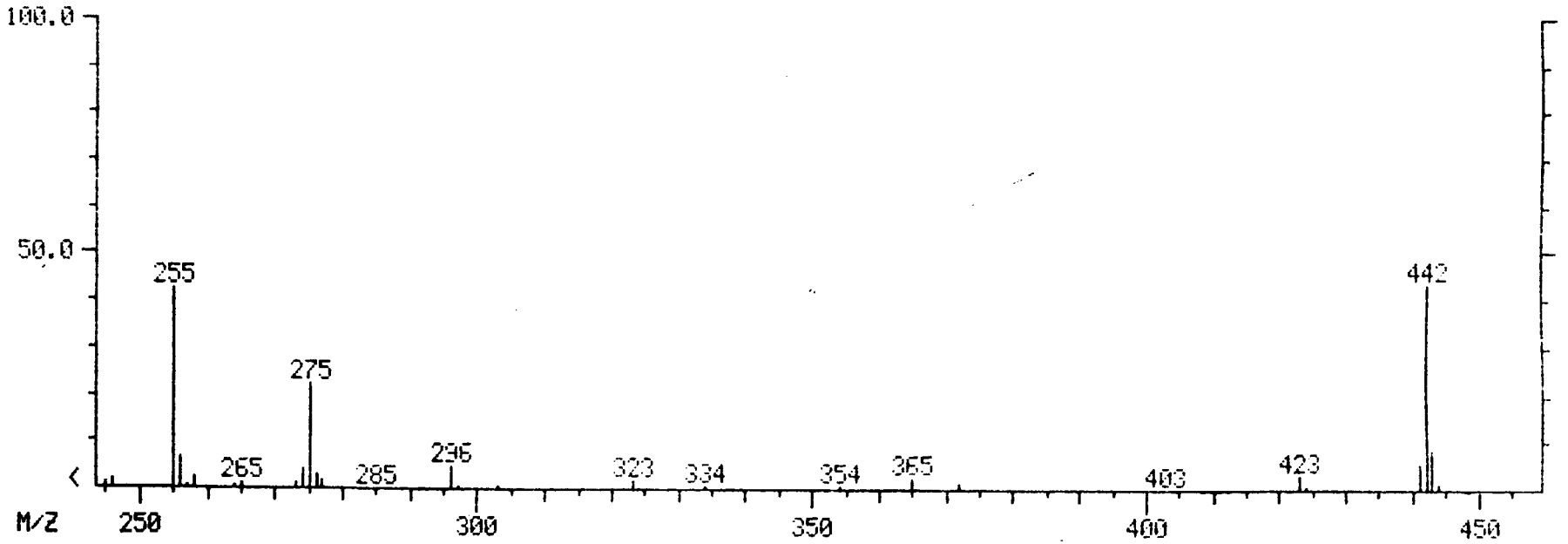
m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
51	8288.	53.1	30.0	60.0	198	53.1	PASS
68	0.	0.0	---	2.0	69	0.0	PASS
69	9120.	58.5	---	---	---	58.5	PASS
70	71.	0.5	---	2.0	69	0.8	PASS
127	9296.	59.6	40.0	60.0	198	59.6	PASS
197	0.	0.0	---	1.0	198	0.0	PASS
198	15600.	100.0	100.0	---	---	100.0	PASS
199	1082.	6.9	5.0	9.0	198	6.9	PASS
275	3660.	23.5	10.0	30.0	198	23.5	PASS
365	373.	2.4	1.0	---	198	2.39	PASS
441	1106.	7.1	---	100.0	443	67.2	PASS
442	8560.	54.9	40.0	---	198	54.9	PASS
443	1646.	10.6	17.0	23.0	442	19.2	PASS

MASS SPECTRUM
04/19/91 9:15:00 + 10:01
SAMPLE: DFTPP 1UL-1.0ML
CONDS.: 150 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 246 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK01 #1011
CALI: APR19GK01 #3

BASE M/Z: 198
RIC: 38144.





002355

Mass List Data: APR19GK01 #1011 Base m/z: 198
04/19/91 9:15:00 + 10:01 Cali: APR19GK01 # 3 RIC: 38144.
Sample: DFTPP 1UL-1.0ML
Conds.: 150 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Enhanced (S 15B 2N OT)

35	0.00	0.	Minima	Min Inten:	39.
444			Maxima	# 0	
Mass	% RA	Inten.	Mass	% RA	Inten.
35?	0.98	46.	175	1.78	84.
37?	1.04	49.	177	0.83	39.
38?	1.36	64.	179	3.25	153.
39?	6.01	283.	180	2.42	114.
48?	7.15	337.	181	1.38	65.
51?	53.23	2508.	185	1.70	80.
52?	2.99	141.	186	12.08	569.
57?	4.67	220.	187	3.76	177.
63?	2.44	115.	192	0.96	45.
65?	1.17	55.	193	1.21	57.
69	57.56	2712.	196	3.03	143.
75	8.34	393.	198	100.00	4712.
76	1.72	81.	199	7.05	332.
77	55.35	2608.	204	3.01	142.
78	4.20	198.	205	5.24	247.
79	4.33	204.	206	21.16	997.
80	3.46	163.	207	3.03	143.
81	4.31	203.	208	1.00	47.
82	0.98	46.	211	1.06	50.
86	3.63	171.	217	6.03	284.
92	6.85	323.	218	0.96	45.
93	4.69	221.	219	0.93	44.
99	3.63	171.	221	5.37	253.
101	1.38	65.	222	1.12	53.
103	2.16	102.	223	1.53	72.
104	1.29	61.	224	10.89	513.
105	1.51	71.	225	2.89	136.
107	14.94	704.	227	4.58	216.
109	2.21	104.	229	1.06	50.
110	29.41	1386.	244	8.96	422.
111	4.75	224.	245	1.40	66.
117	12.08	569.	246	1.78	84.
123	1.68	79.	255	42.70	2012.
127	54.50	2568.	256	6.77	319.
128	3.90	184.	258	2.44	115.
129	20.97	988.	265	1.04	49.
133	1.66	78.	273	1.17	55.
135	1.40	66.	274	4.07	192.
139	1.97	93.	275	22.45	1058.
142	1.00	47.	276	3.27	154.
143	2.74	129.	277	1.99	94.
147	1.51	71.	296	4.80	226.
148	3.12	147.	323	1.85	87.
149	1.06	50.	365	2.12	100.
150	2.04	96.	372	0.93	44.
151	1.12	53.	423	2.99	141.
152	0.96	45.	441	5.35	252.
154	4.37	206.	442	43.55	2052.
155	2.27	107.	443	8.53	402.
174	1.00	47.	444	0.91	43.

DECAFLUOROTRIPHENYLPHOSPHINE

Tuning Report
04/19/91 9:15:00 + 10:01
Instrument: INC500
Enhanced (S 15B 2N OT)
Case Number: PLANO

Data: APR19GK01 #1011
Cali: APR19GK01 # 3
Analyst: GK

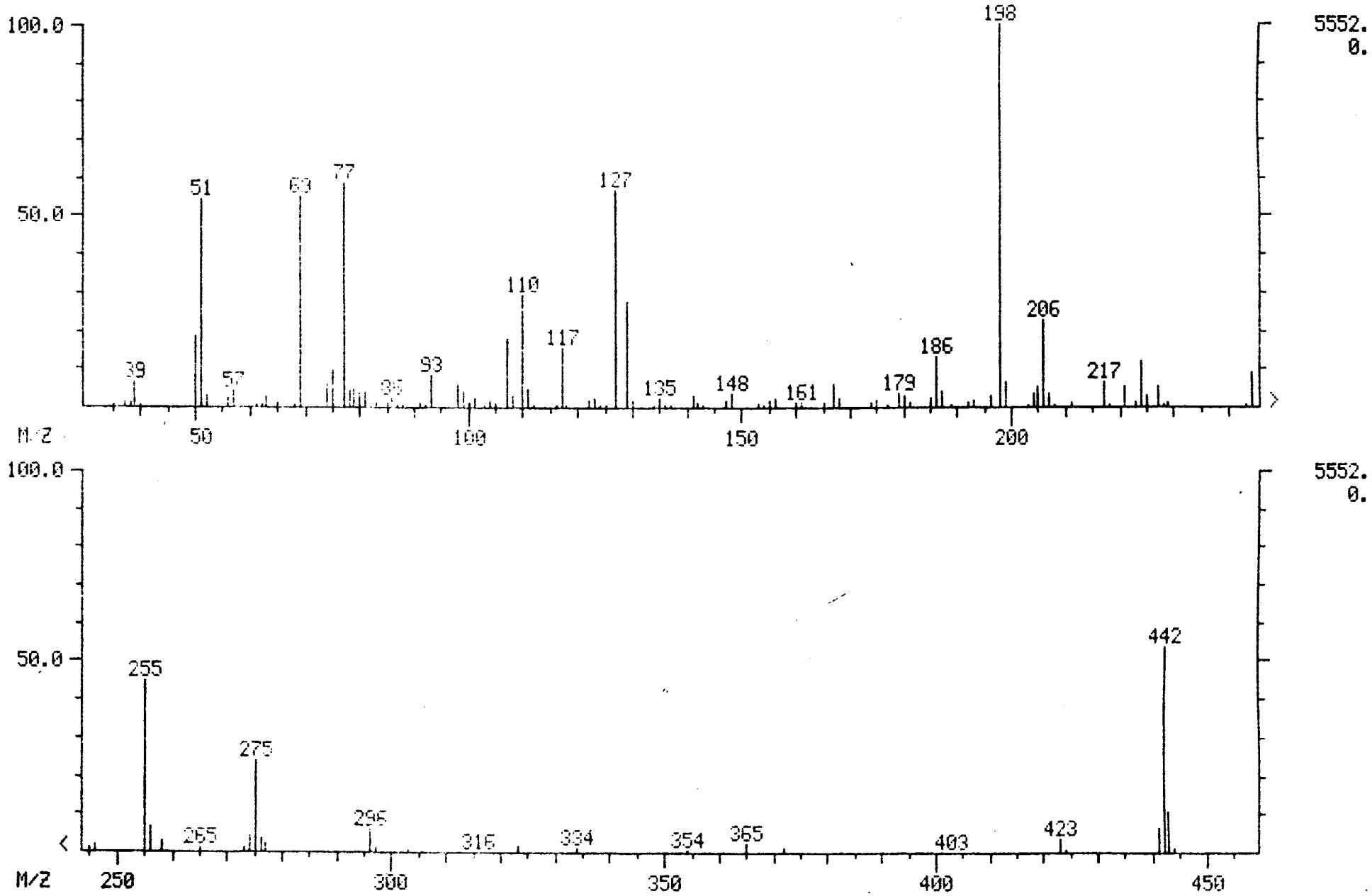
Laboratory: IEPA

Base m/z: 198
RIC: 38144.
Acct. No.:

Contract:

m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
51	2508.	53.2	30.0	60.0	198	53.2	PASS
68	8.	0.2	---	2.0	69	0.3	PASS
69	2712.	57.6	---	---	---	57.6	PASS
70	14.	0.3	---	2.0	69	0.5	PASS
127	2568.	54.5	40.0	60.0	198	54.5	PASS
197	18.	0.4	---	1.0	198	0.4	PASS
198	4712.	100.0	100.0	---	---	100.0	PASS
199	332.	7.0	5.0	9.0	198	7.0	PASS
275	1058.	22.5	10.0	30.0	198	22.5	PASS
365	100.	2.1	1.0	---	198	2.12	PASS
441	252.	5.3	---	100.0	443	62.7	PASS
442	2052.	43.5	40.0	---	198	43.5	PASS
443	402.	8.5	17.0	23.0	442	19.6	PASS

DATA: APR22GK01 #1016 BASE M/Z: 198
CALI: APR22GK01 #3 RIC: 49664.



Mass List
04/22/91 9:08:00 + 10:04
Sample: DFTPP
Conds.: 150 TO 270
Enhanced (S 15B 2N OT)

Data: APR22GK01 #1016
Cali: APR22GK01 # 3

Base m/z: 198
RIC: 49664.

35	0.00	0.	Minima	Min Inten:	51.
444			Maxima	# 0	
Mass	% RA	Inten.	Mass	% RA	Inten.
37?	1.06	59.	167	5.96	331.
38?	1.15	64.	168	2.36	131.
39?	6.75	375.	174	1.06	59.
50?	18.59	1032.	175	1.96	109.
51?	54.68	3036.	179	3.84	213.
52?	3.10	172.	180	2.85	158.
56?	2.32	129.	181	1.37	76.
57?	4.09	227.	185	2.14	119.
62?	1.12	62.	186	13.17	731.
63?	2.70	150.	187	3.93	218.
69?	1.21	67.	192	1.28	71.
69	55.33	3072.	193	1.57	87.
74	6.25	347.	196	3.03	168.
75	9.64	535.	198	100.00	5552.
77	58.43	3244.	199	6.74	374.
78	4.29	238.	204	3.30	183.
79	4.57	254.	205	5.58	310.
80	3.53	196.	206	22.59	1254.
81	4.23	235.	207	3.46	192.
82	1.13	63.	211	1.12	62.
85	1.13	63.	217	6.86	381.
86	2.43	135.	221	5.35	297.
91	1.26	70.	223	1.35	75.
92	8.54	474.	224	11.94	663.
98	6.41	356.	225	3.06	170.
99	4.34	241.	227	5.64	313.
100	1.06	59.	229	1.30	72.
101	2.58	143.	244	9.13	507.
104	1.68	93.	245	1.37	76.
105	1.30	72.	246	2.04	113.
107	17.81	989.	255	44.81	2488.
108	2.77	154.	256	6.59	366.
110	29.57	1642.	258	2.72	151.
111	4.74	263.	265	1.31	73.
117	15.76	875.	273	1.39	77.
122	1.87	104.	274	4.23	235.
123	2.27	126.	275	23.88	1326.
127	57.13	3172.	276	3.44	191.
129	27.70	1538.	277	2.13	118.
130	2.09	116.	296	5.78	321.
135	2.34	130.	297	0.97	54.
141	3.19	177.	323	2.09	116.
147	1.82	101.	334	1.35	75.
148	3.71	206.	365	2.47	137.
153	0.94	52.	372	1.08	60.
155	1.62	90.	423	3.40	189.
156	2.63	146.	441	6.72	373.
160	1.03	57.	442	53.89	2992.
161	1.49	83.	443	10.61	589.
165	1.21	67.	444	1.01	56.

00229

DECAFLUOROTRIPHENYLPHOSPHINE

Tuning Report
04/22/91 9:08:00 + 10:04
Instrument: INC500
Enhanced (S 15B 2N OT)
Case Number: PLANO

Data: APR22GK01 #1016
Cali: APR22GK01 # 3
Analyst: GK

Laboratory: IEPA

Base m/z: 198
RIC: 49664.
Acct. No.:

Contract:

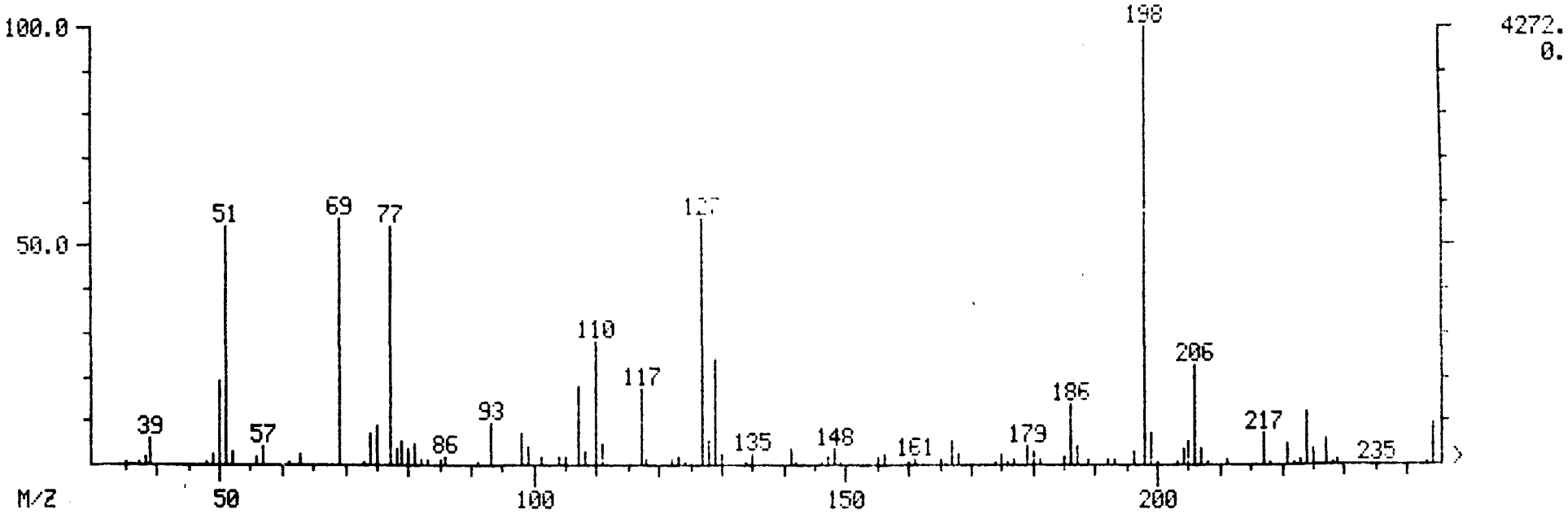
m/z	Intensity	% RA	Ion Abundance Criteria Min %	Max %	Mass	Actual	Status
51	3036.	54.7	30.0	60.0	198	54.7	PASS
68	25.	0.5	---	2.0	69	0.8	PASS
69	3072.	55.3	---	---	---	55.3	PASS
70	0.	0.0	---	2.0	69	0.0	PASS
127	3172.	57.1	40.0	60.0	198	57.1	PASS
197	16.	0.3	---	1.0	198	0.3	PASS
198	5552.	100.0	100.0	---	---	100.0	PASS
199	374.	6.7	5.0	9.0	198	6.7	PASS
275	1326.	23.9	10.0	30.0	198	23.9	PASS
365	137.	2.5	1.0	---	198	2.47	PASS
441	373.	6.7	---	100.0	443	63.3	PASS
442	2992.	53.9	40.0	---	198	53.9	PASS
443	589.	10.6	17.0	23.0	442	19.7	PASS

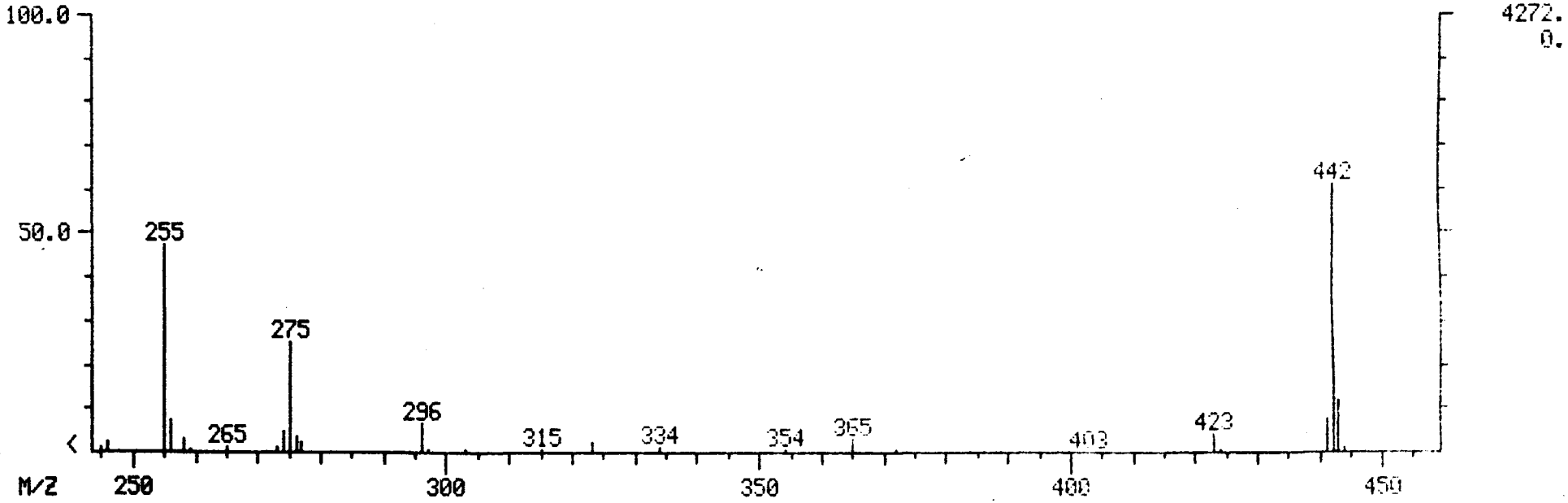
002360

MASS SPECTRUM
04/23/91 8:34:00 + 10:03
SAMPLE: DFTPP 1UL-1.0ML
CONDS.: 150 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 245 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR23GH.01 #1014
CALI: APR23GH.01 #3

BASE M/Z: 198
RIC: 38720.





Mass List Data: APR23GK01 #1014 Base m/z: 198
04/23/91 8:34:00 + 10.03 Cali: APR23GK01 # 3 RIC: 38720.
Sample: DFTPP 1UL-1.0ML
Conds.: 150 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Enhanced (S 15B 2N OT)

35	0.00	0.	Minima	Min Inten:	35.
444			Maxima	# 0	
Mass	% RA	Inten.	Mass	% RA	Inten.
382	1.57	67.	168	2.57	110.
393	6.06	259.	175	2.13	91.
492	2.67	114.	177	1.17	50.
500	19.41	829.	179	4.26	182.
512	54.59	2332.	180	2.93	125.
527	2.90	124.	181	1.15	49.
567	2.06	88.	185	1.85	79.
573	4.05	173.	186	13.65	583.
579	2.29	98.	187	4.40	188.
69	56.37	2408.	189	1.10	47.
74	6.93	296.	192	1.08	46.
75	9.20	393.	193	1.26	54.
77	54.68	2336.	196	2.86	122.
78	3.75	160.	198	100.00	4272.
79	5.31	227.	199	7.19	307.
80	3.60	155.	204	3.44	147.
81	4.87	208.	205	5.57	238.
82	1.31	56.	206	22.54	963.
83	1.22	52.	207	3.35	143.
91	1.10	47.	211	1.05	45.
95	1.69	67.	217	7.02	300.
96	0.87	35.	221	5.08	217.
99	9.74	416.	223	1.38	59.
105	6.71	286.	224	12.24	523.
107	4.11	175.	225	3.75	160.
111	7.13	305.	227	6.11	261.
113	1.94	83.	229	1.10	47.
119	1.94	83.	244	9.43	403.
121	1.08	46.	245	1.08	46.
125	2.40	102.	246	2.32	99.
127	38.42	1641.	255	47.19	2016.
129	7.23	309.	256	7.23	309.
131	17.58	751.	258	3.28	140.
132	1.07	46.	265	0.96	41.
133	1.05	45.	273	1.33	57.
135	1.78	76.	274	4.63	198.
137	56.55	2416.	275	24.91	1064.
138	5.38	230.	276	3.37	144.
139	24.67	1054.	277	2.15	92.
140	2.20	94.	296	6.39	273.
145	2.13	91.	297	0.84	36.
141	3.63	155.	323	2.32	99.
147	1.62	69.	334	1.29	55.
148	3.44	147.	365	3.04	130.
155	1.59	68.	372	0.87	37.
156	2.36	101.	423	4.12	176.
160	0.84	36.	441	7.89	337.
161	1.19	51.	442	61.33	2620.
165	0.94	40.	443	12.20	521.
167	5.66	242.	444	1.05	45.

DECAFLUOROTRIPHENYLPHOSPHINE

Tuning Report
04/23/91 8:34:00 + 10:03
Instrument: INC500
Enhanced (S 15B 2N OT)
Case Number: PLANO

Data: APR23GK01 #1014
Cali: APR23GK01 # 3
Analyst: GK

Base m/z: 198
RIC: 38720.
Acct. No.:

Laboratory: IEPA

Contract:

Ion Abundance Criteria

m/z	Intensity	% RA	Min %	Max %	Mass	Actual	Status
51	2332.	54.6	30.0	60.0	198	54.6	PASS
68	0.	0.0	---	2.0	69	0.0	PASS
[illegible]	2402	56.4	---	---	---	56.4	PASS
70	0.	0.0	---	2.0	69	0.0	PASS
127	2416.	56.6	40.0	60.0	198	56.6	PASS
197	8.	0.2	---	1.0	198	0.2	PASS
198	4272.	100.0	100.0	---	---	100.0	PASS
199	307	7.2	5.0	9.0	198	7.2	PASS
275	1064	24.9	10.0	30.0	198	24.9	PASS
365	130.	3.0	1.0	---	198	3.04	PASS
441	337.	7.9	---	100.0	443	64.7	PASS
442	2620.	61.3	40.0	---	198	61.3	PASS
443	521.	12.2	17.0	23.0	442	19.9	PASS

002353

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKW

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190952

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

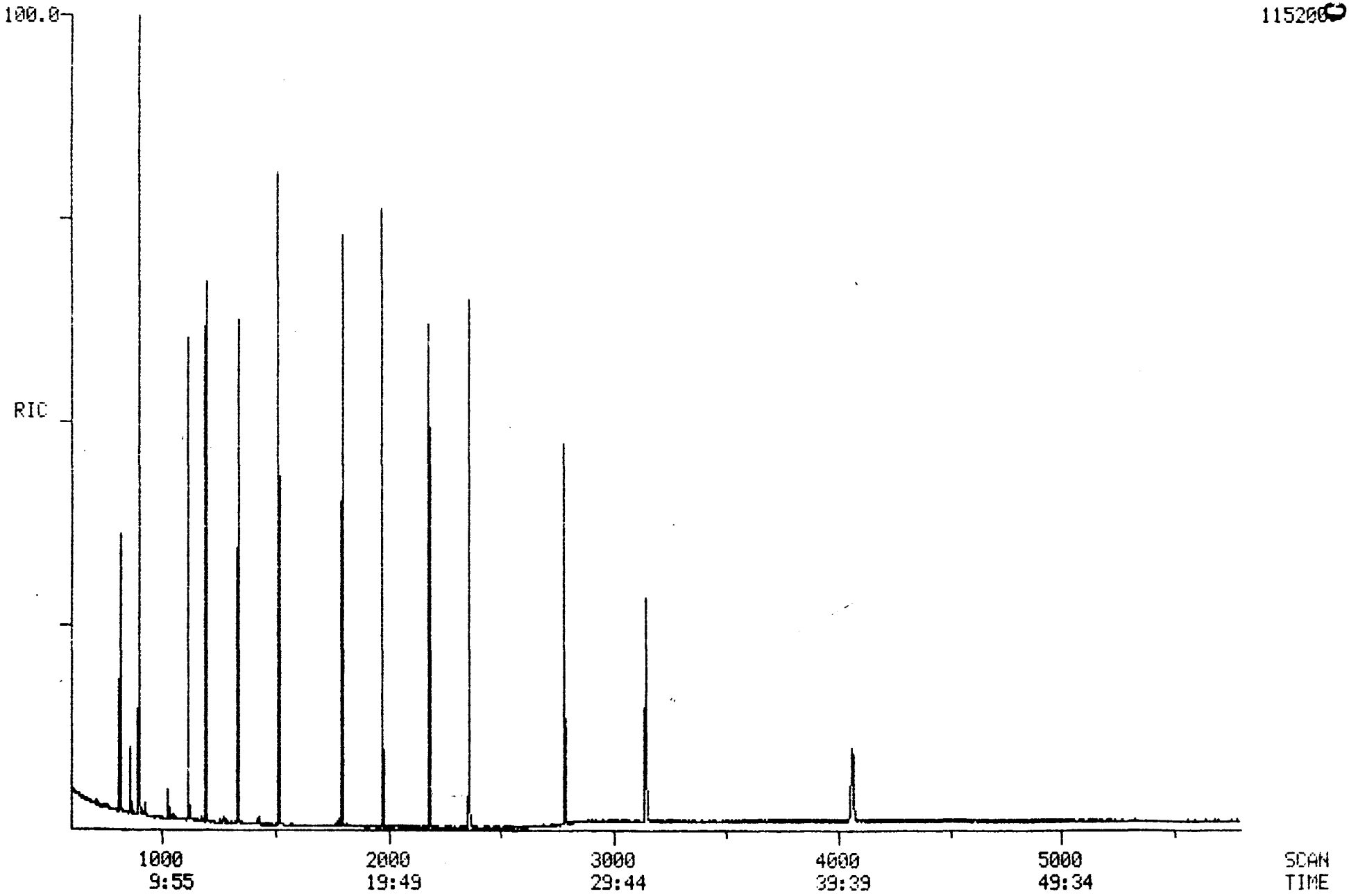
GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	18	AJ
2.	UNKNOWN	8.55	4.1	J
3.	UNKNOWN ALIP. KETONE	10.19	1.7	AJ

RIC DATA: APR02GK03 #1 SCANS 600 TO 5800
04/02/91 10:35:00 CALI: APR02GK03 #3
SAMPLE: 90952 OH- H+ #BLANK# CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,5800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



002367

```
 4/2/91     10:35:06
     Acquisition started


 4/2/91     10:35:08
Acquire                          Run 4:APR02GK03          Starting
04/02/91 10:35:00 +  0:00        Free sectors:  6775      Scan: 0 of 5800
Sample: 90952 OH-/H+ *BLANK* CLP    1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SG                 Analyst: GK              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5
                    *** GC ready and waiting ***
GC Desc.: BN                                     Elapsed time :    0.0 Min
Seq.   Temp     Rate      Time (minutes)
 #    (DegC)   (C/min)   period     total      Injector A    :  260 Deg C
 1    40- 40     -         4.0       4.0      GC oven       :   40 Deg C
 2    40-280   10.0       24.0      28.0      Transfer-line:  270 Deg C
 3   280-280     -        32.0      60.0      Ion source    :  180 Deg C
Valve A : closed       Valve B : closed
                    *** Instrument parameters ***
      Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

Sequence Window #  1
                    Number of cycles:    360
                    Filament is OFF
                    Multiplier is OFF

Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #    Lo mass    Hi mass       Time
   1       34.510    450.635      1.000

Sequence Window #  2
                    Number of cycles:      1
                    Filament is ON
                    Multiplier is ON
Scan descriptor: BN        Mass intervals:  1       Positive ion mode.
Total scan time:  0.595  s                          Master rate:     16

MPW:    3  MFW:   80  MA:   15  TH:    1  BL:    0
 Int #    Lo mass    Hi mass       Time
   1       34.510    450.635      1.000

    Calibration table:        1:CALTAB

    Interface number            0
    Instrument type             Q
    Full scale mass          1159  u
    Zero scale mass             1  u
    Intensity/ion               2
    Peak width               1000.  mmu
    Offset at low mass          0  mmu
```

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.50	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 972.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/2/91 11:32:32
ACQUISITION COMPLETED
Scans 1 to 5300 Centroid

Mode	Scans	Time	Out of	%	Peaks per scan	per sec
Centroid	5300	7.2	3449.4	0.2	110385.	19.	32.

002369

Quantitation Report File: APR02GK03

Data: APR02GK03.TI
04/02/91 10:35:00
Sample: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C550 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1195	11:51	1	1.000	A BB	57774.	40.000 UG/L	5.82
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	146	1199	11:53	1	1.003	A BB	86.	~~0.067 UG/L~~	0.01
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	900	8:55	1	0.753	A BV	95026.	71.647 %	10.43
15	99	1117	11:04	1	0.935	A BB	64735.	46.402 %	6.76
16	136	1515	15:01	16	1.000	A BB	132129.	40.000 UG/L	5.82
17	77	1336	13.15	16	0.882	A BB	226.	~~0.146 UG/L~~	0.02
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	82	1336	13:15	16	0.882	A BV	74636.	78.607 %	11.45
31	168	1775	19:35	31	1.000	A BB	59600.	40.000 UG/L	5.82
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
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	149	2096	20:47	31	1.061	A BB	86.	~~0.039 UG/L~~	0.01
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1798	17:49	31	0.910	A BV	83214.	77.096 %	11.23

Quantitation Report File: APR02GK03

Data: APR02GK03.TI
04/02/91 10:35:00
Sample: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2183	21:38	31	1.105	A BB	22428.	84.384 %	12.29
52	188	2362	23:25	52	1.000	A BB	87980.	40.000 UG/L	5.82
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2367	23:28	52	1.002	A BB	210.	~~0.080 UG/L~~	0.01
58	178	2379	23:35	52	1.007	A BB	104.	~~0.038 UG/L~~	0.01
59	149	2523	25:00	52	1.068	A BB	82.	~~0.026 UG/L~~	0.00
60	202	2686	26:37	52	1.137	A BB	64.	~~0.026 UG/L~~	0.00
61	77	2154	21:21	52	0.912	A BB	94.	~~0.030 UG/L~~	0.00
62	202	2747	27:14	52	1.163	A BB	120.	~~0.049 UG/L~~	0.01
63	NOT FOUND								
64	240	3145	31:10	64	1.000	A BB	55198.	40.000 UG/L	5.82
65	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3166	31.23	64	1.007	A BB	192.	~~0.152 UG/L~~	0.02
69	NOT FOUND								
70	244	2785	27:36	64	0.886	A BB	63202.	87.982 %	12.81
71	264	4065	40:19	71	1.000	A BB	37347.	40.000 UG/L	5.82
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

Quantitation Report File: APR02GK03A

Data: APR02GK03.TI
04/02/91 10:35:00
Sample: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.177
Resp fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	930-68-7	2-CYCLOHEXEN-1-ONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	RIC	814	9:05	1	1.000	A BB	139802 43,59,101	17.700	UNK(A)	75.26
2	RIC	862	9:33	1	1.056	A BB	32712 41,54,83	4.142	UNK	17.61
3	RIC	1027	10:11	1	1.259	A BB	13242 39,68,96	1.677	Alkyl Ketone(A)	7.13

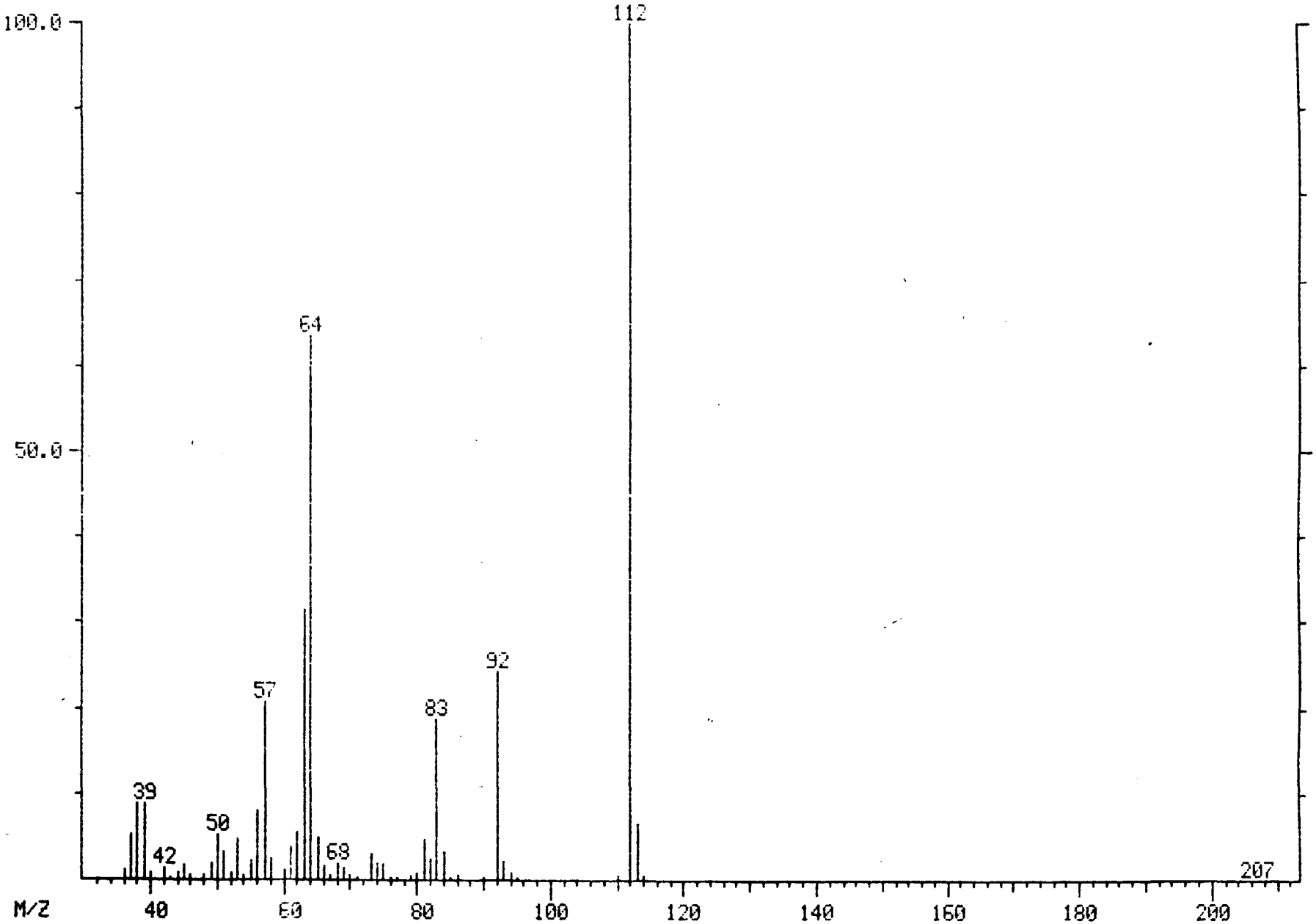
$$\frac{139802}{316202} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.177$$

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 10:25:00 + 8:55
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 158 2N 0T)

DATA: APR02GK03 #900
CALI: APR02GK03 #3

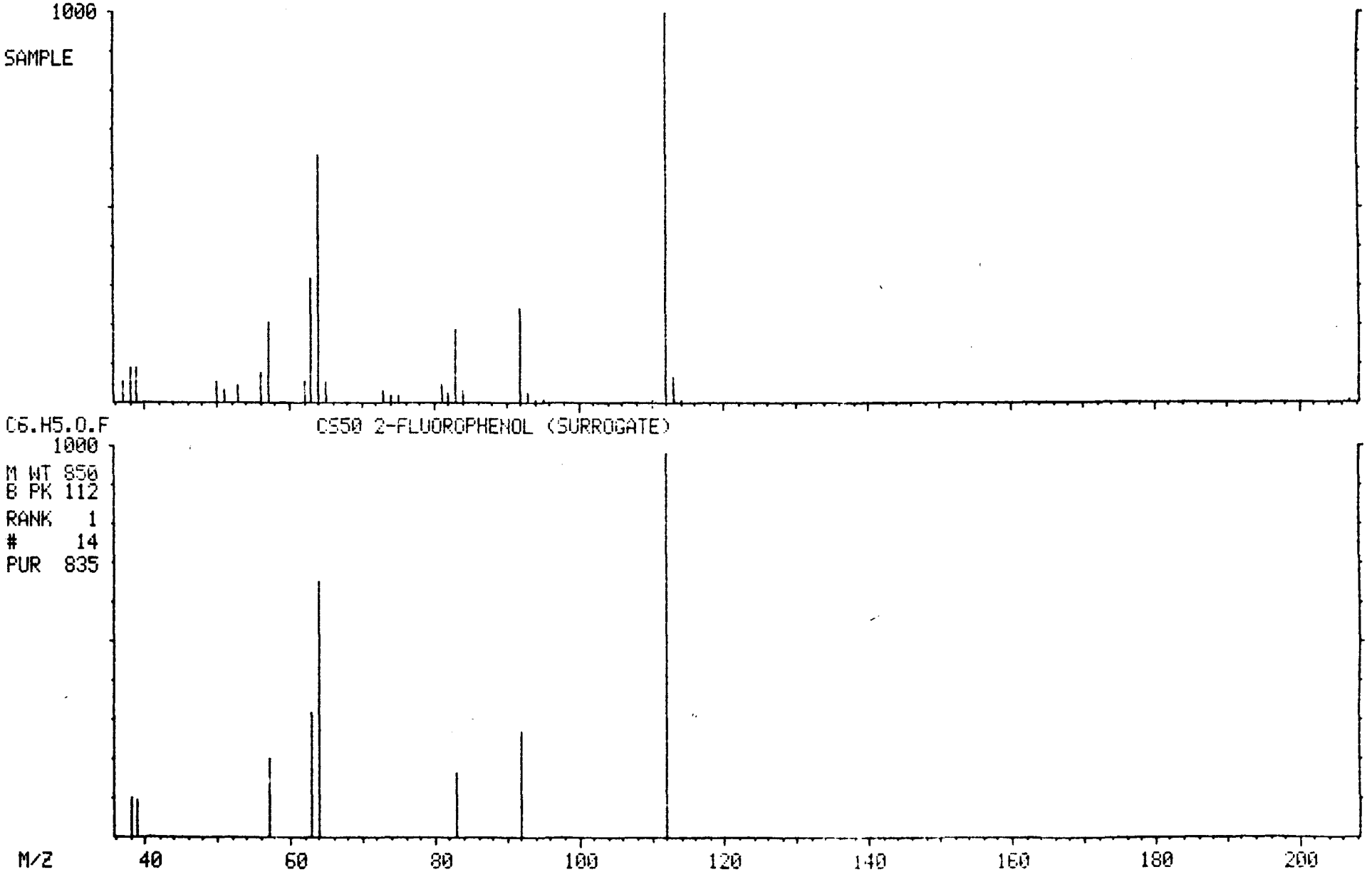
BASE M/Z: 112
RIC: 105088.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 8:55
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02.003 # 300
TWI: APR02.003 # 3

BASE M/Z: 112
RIC: 96896.

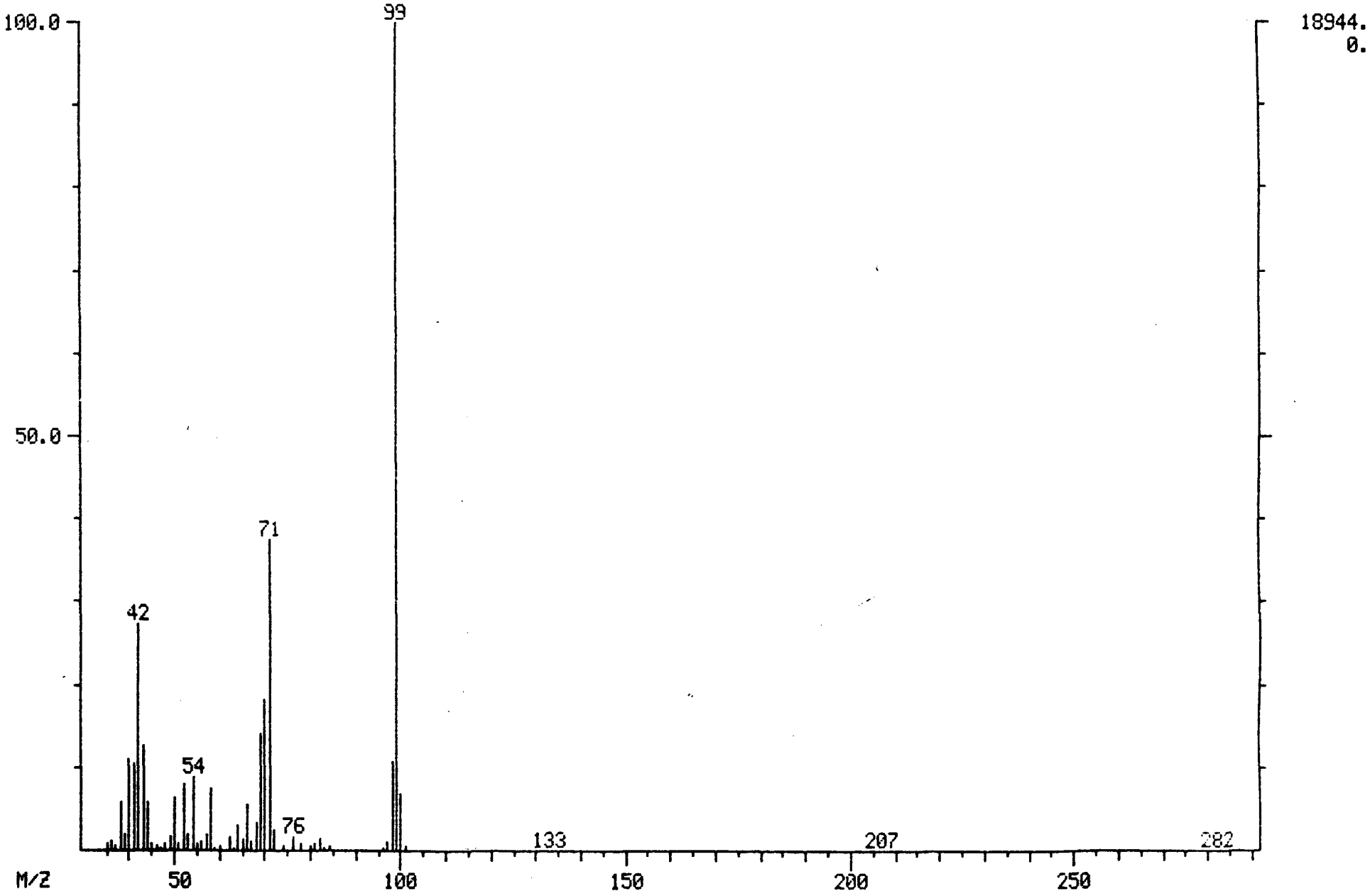


002377

MASS SPECTRUM
04/02/91 10:35:00 + 11:04
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1117
CALI: APR02GK03 #3

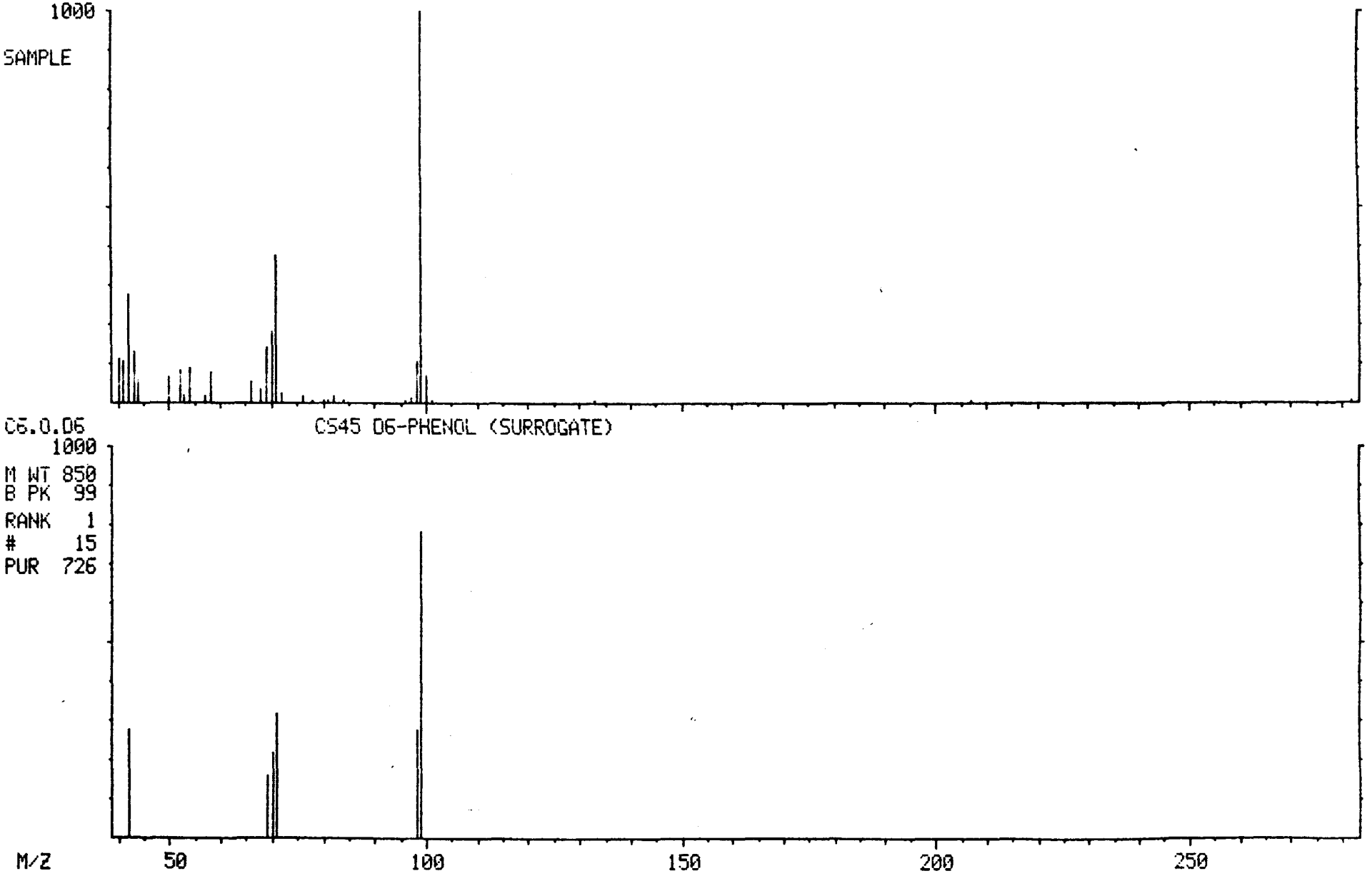
BASE M/Z: 99
RIC: 63360.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 11:04
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1117
CALI: APR02GK03 # 3

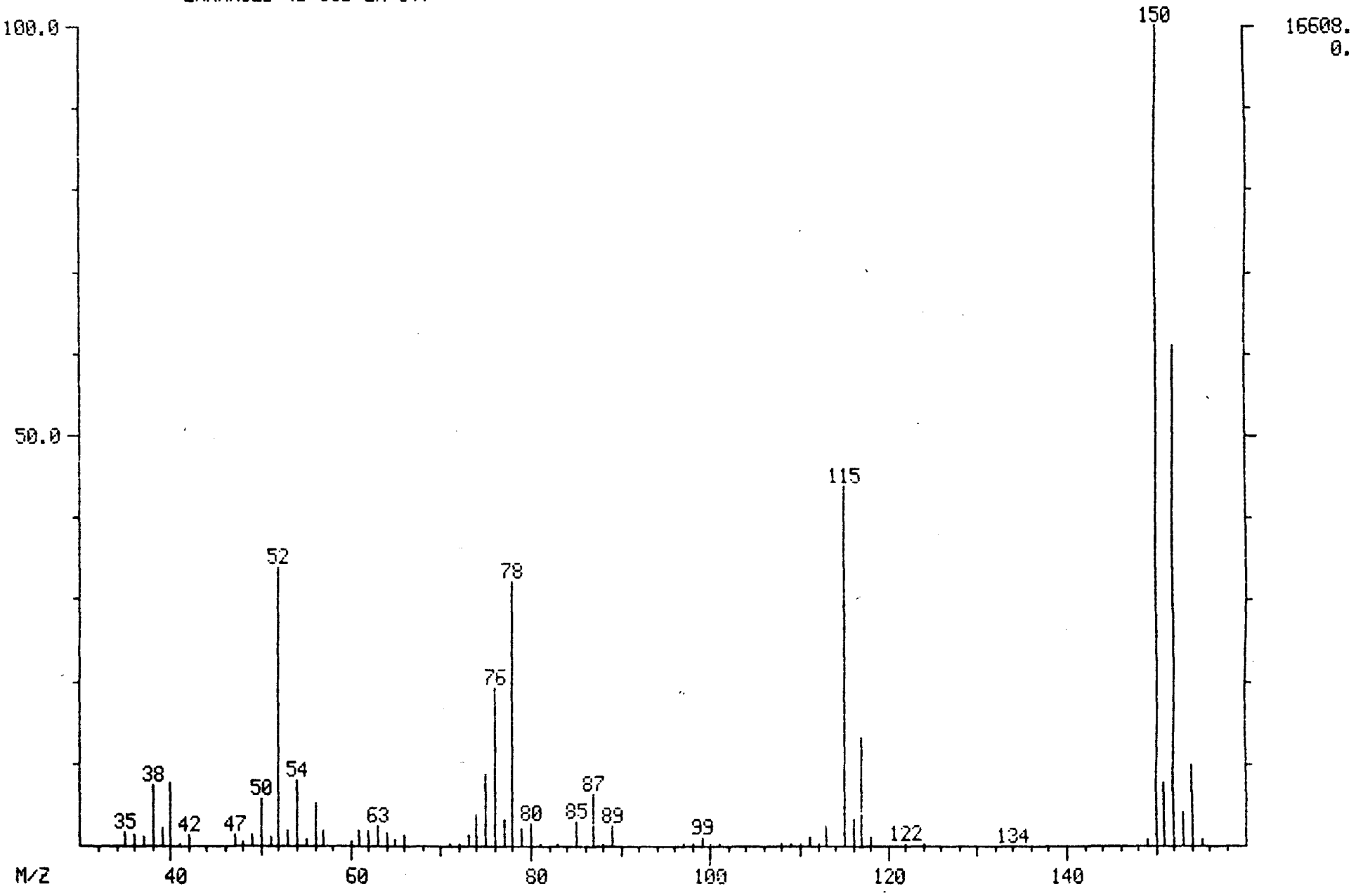
BASE M/Z: 99
RIC: 58432.



MASS SPECTRUM
04/02/91 10:35:00 + 11:51
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 118 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1195
CALI: APR02GK03 #3

BASE M/Z: 150
RIC: 72576.

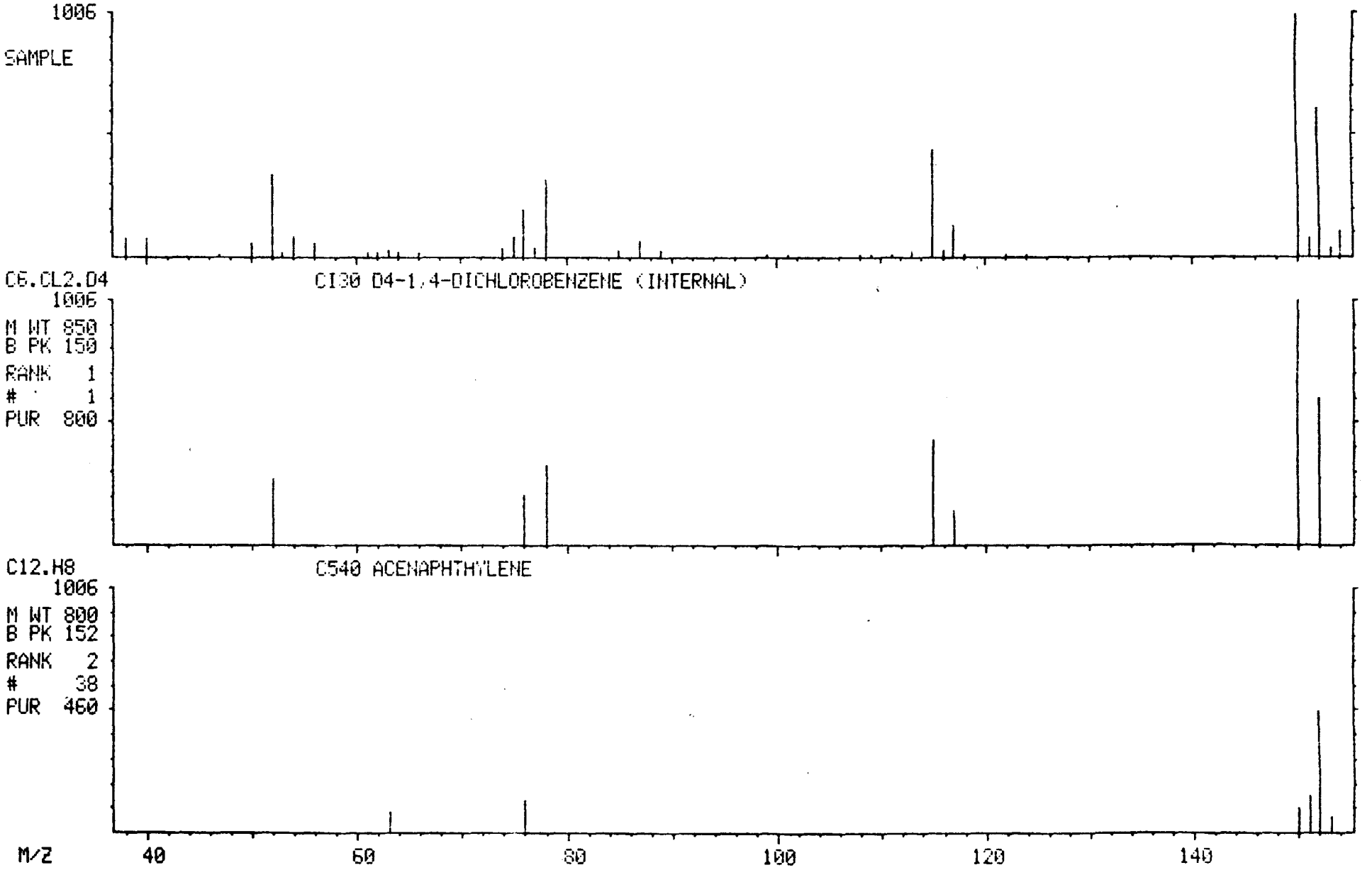


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 11:01
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1195
CALI: APR02GK03 # 3

BASE M/Z: 150
RIC: 68224.

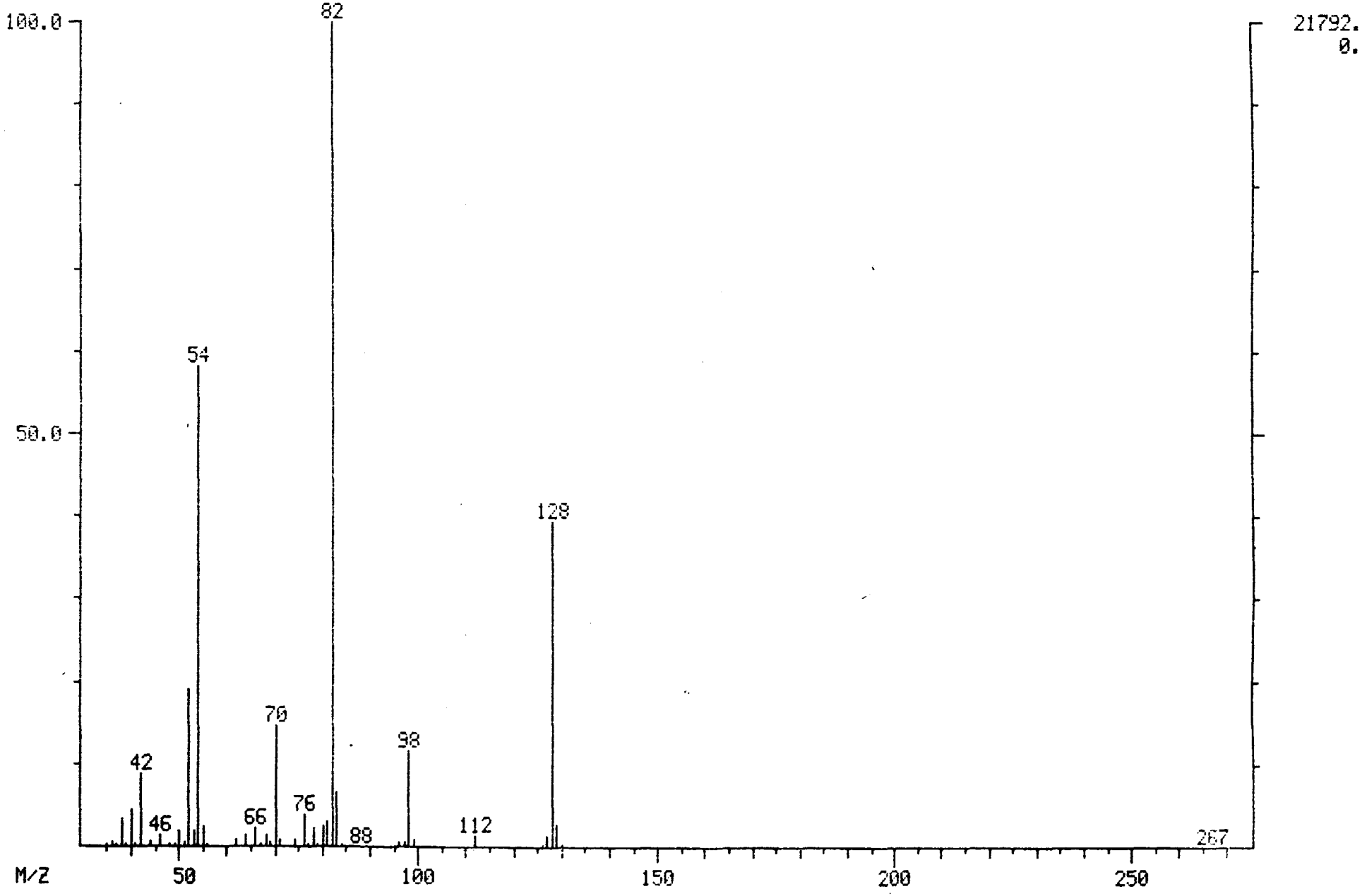
C02391



MASS SPECTRUM
04/02/91 10:35:00 + 13:15
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 158 2N 0T)

DATA: APR02GK03 #1336
CALI: APR02GK03 #3

BASE M/Z: 82
RIC: 66944.

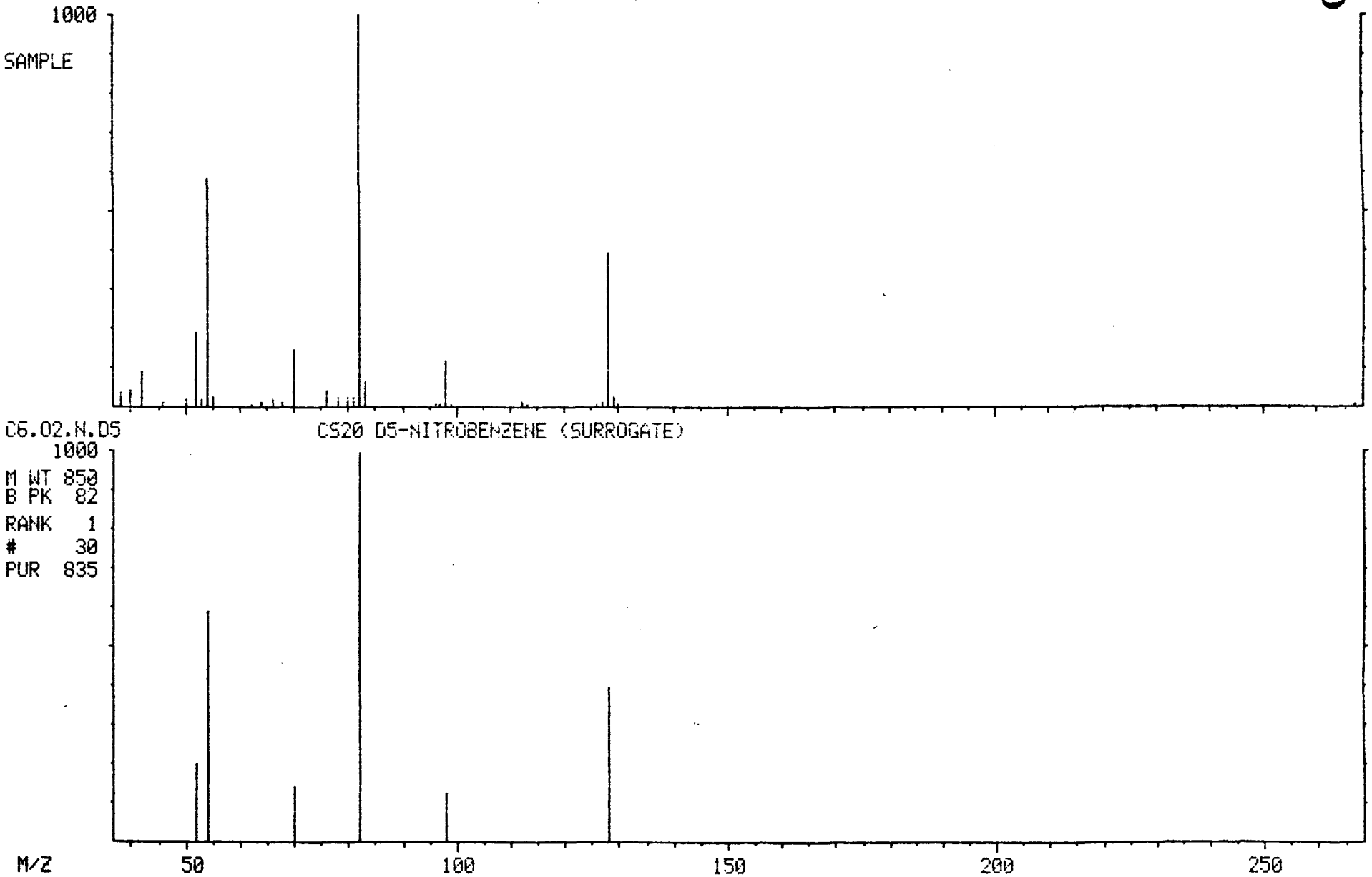


002200

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 13:15
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1336
CALI: APR02GK03 # 3

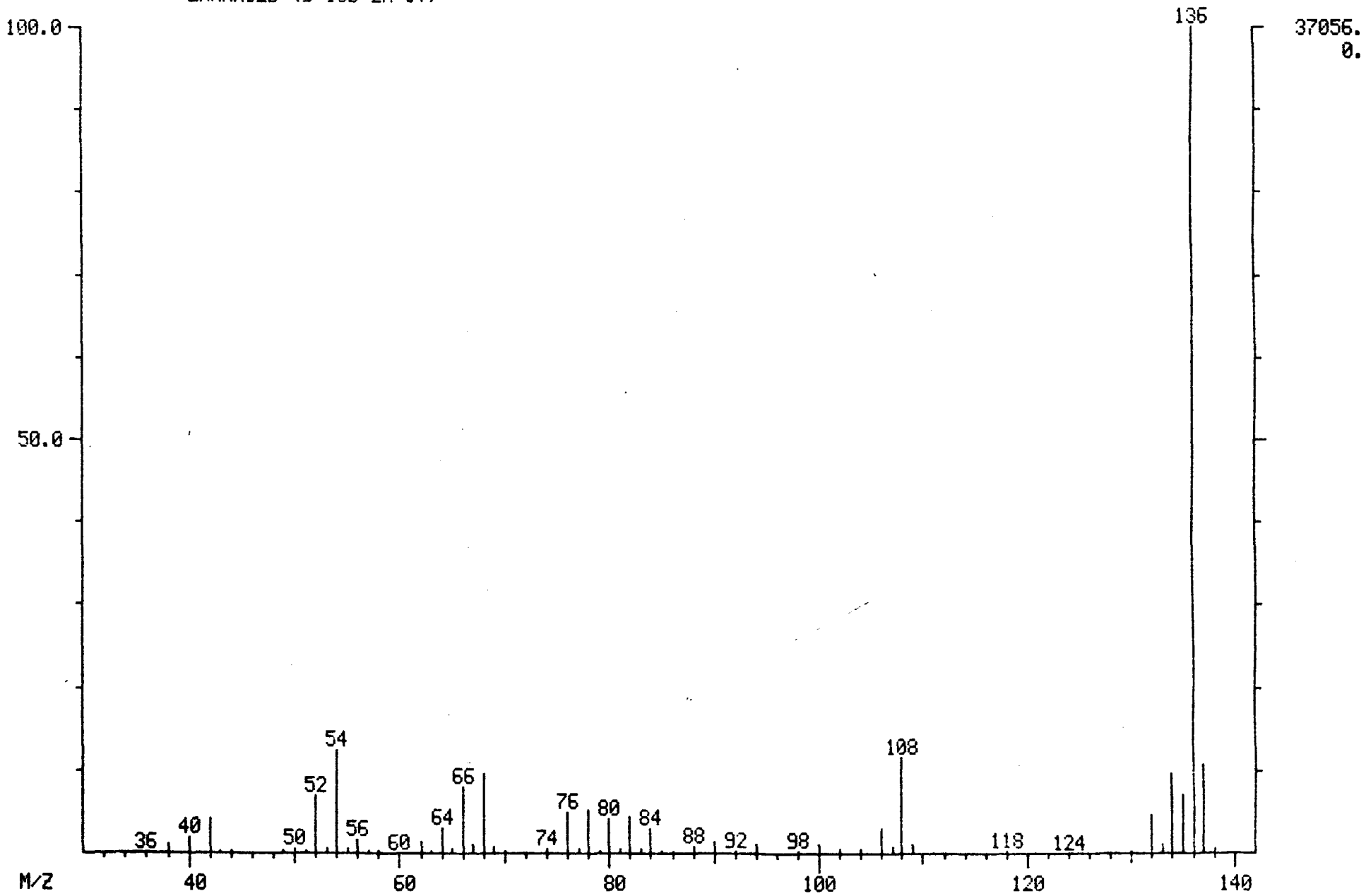
BASE M/Z: 82
RIC: 65408.



MASS SPECTRUM
04/02/91 10:35:00 + 15:01
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 150 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1515
CALI: APR02GK03 #3

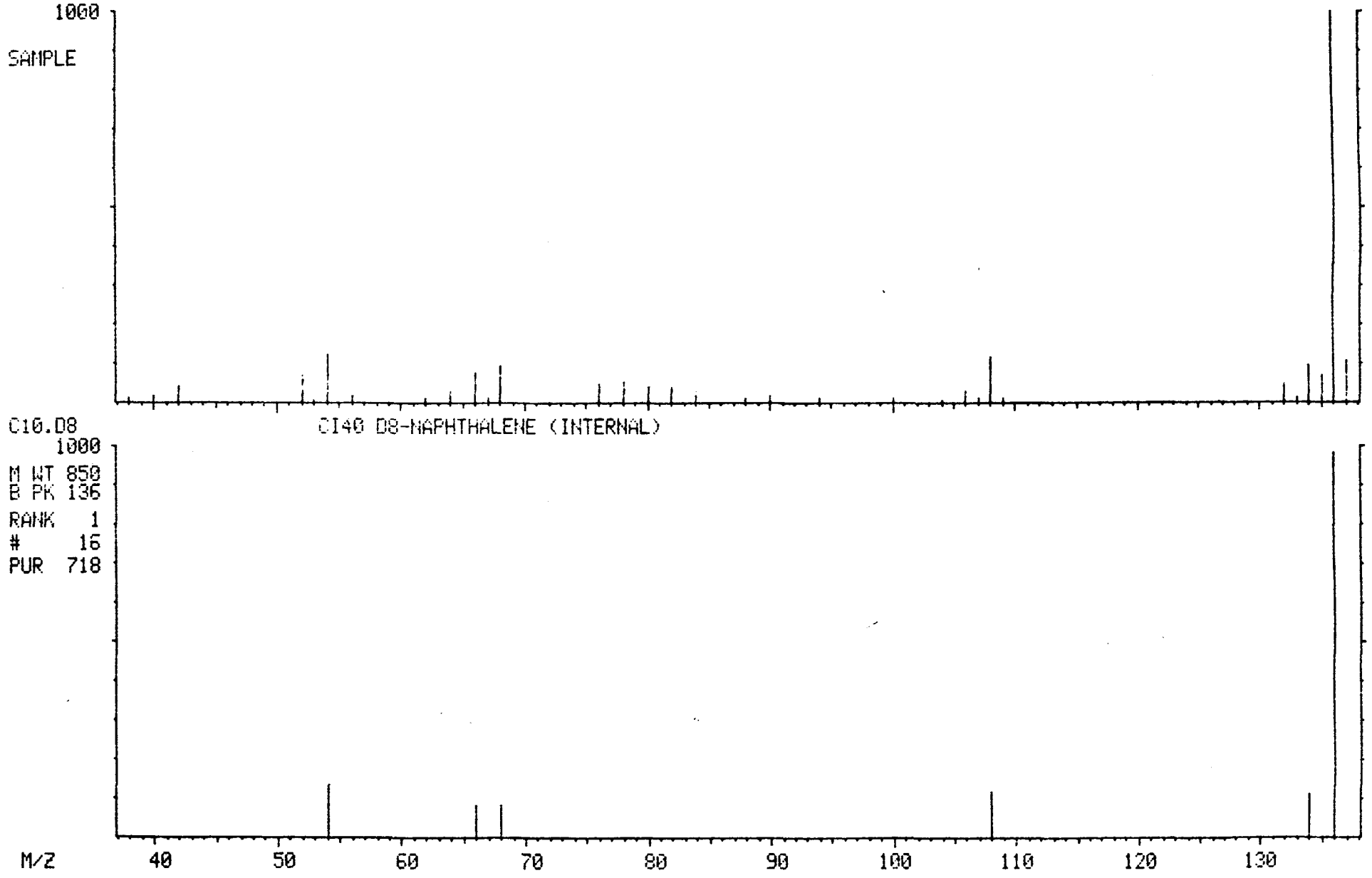
BASE M/Z: 136
RIC: 88192.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 15:01
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1515
CALI: APR02GK03 # 3

BASE M/Z: 136
RIC: 84480.

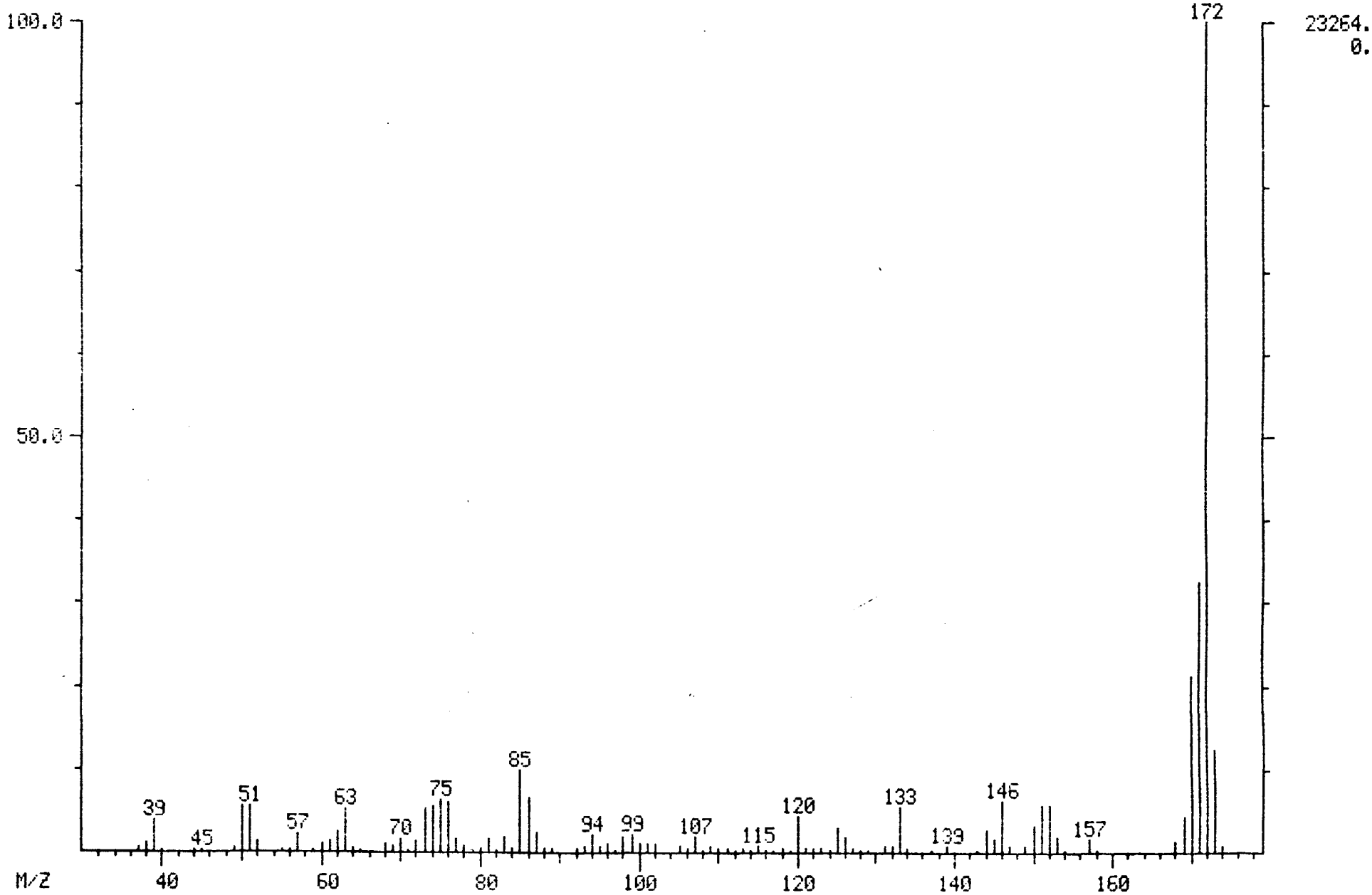


MASS SPECTRUM
04 02/91 10:35:00 + 17:49
SAMPLE: 90952 OH-/H+ #BLANK# CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 178 DEG. C
ENHANCED (5 158 2N 0T)

DATA: APR02GK03 #1798
CALI: APR02GK03 #3

BASE M/Z: 172
RIC: 78848.

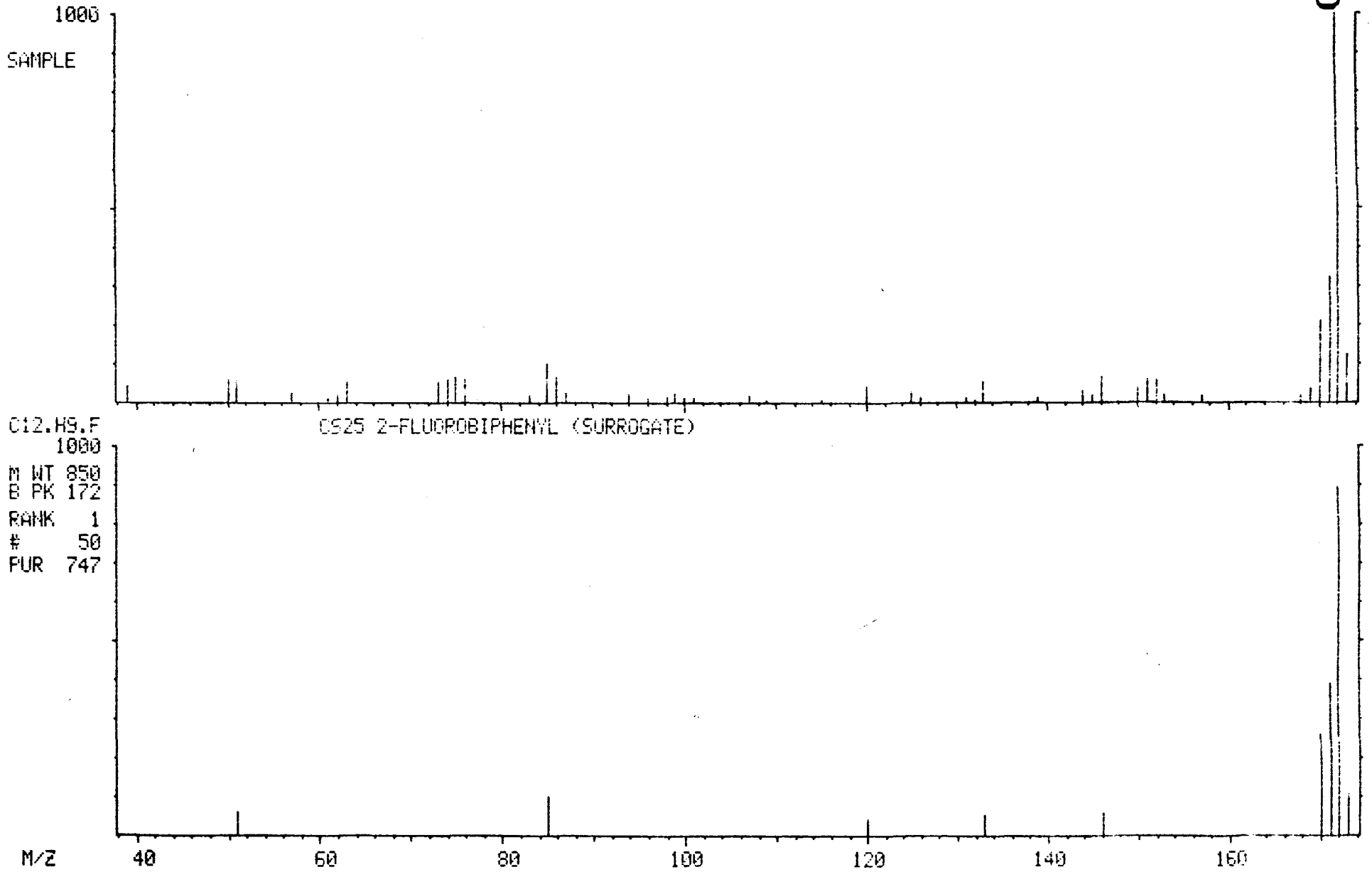
C0396



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 17:49
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1738
CALI: APR02GK03 # 3

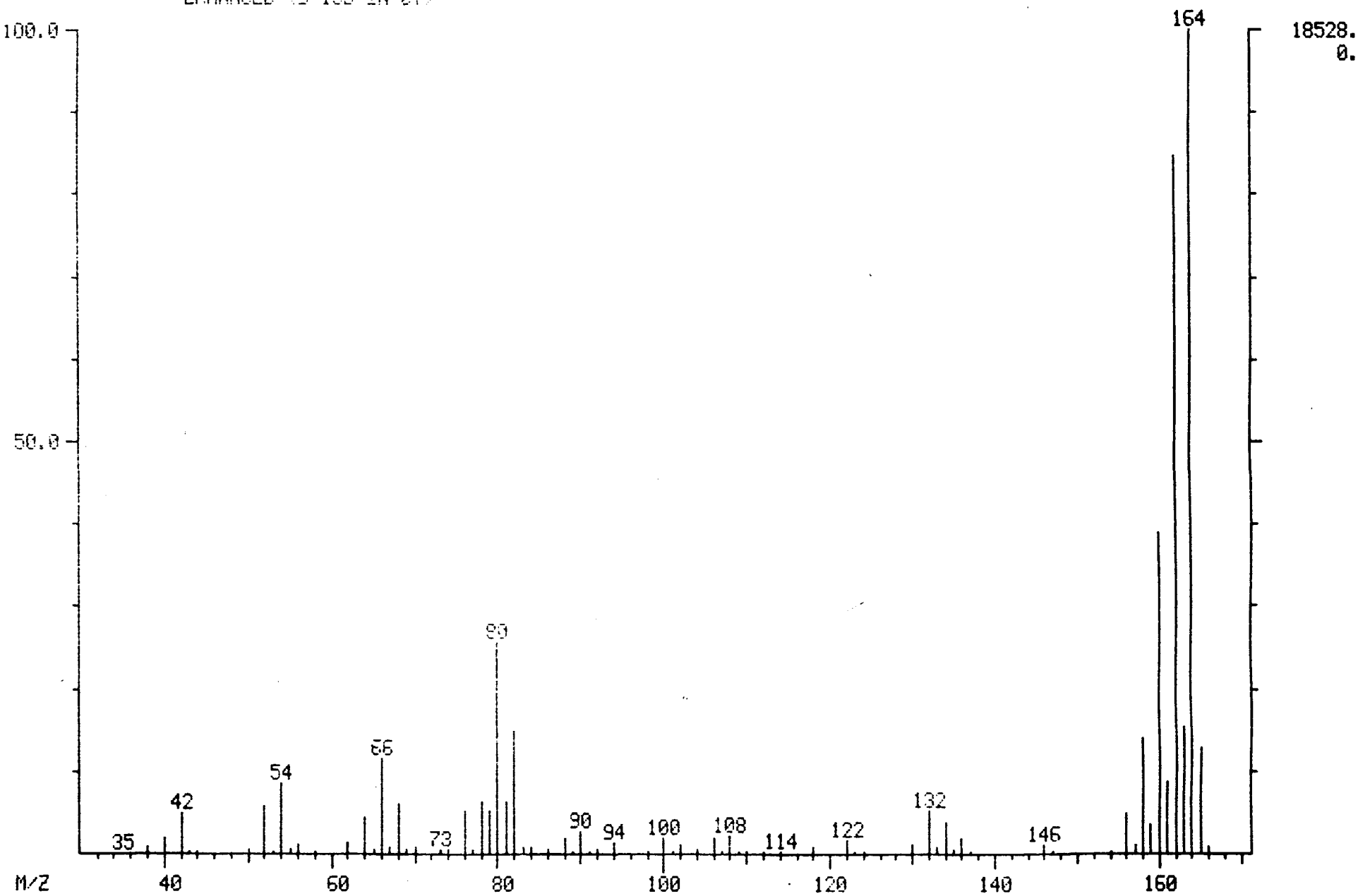
BASE M/Z: 172
RIC: 70656.



MASS SPECTRUM
04/02/91 10:35:00 + 13:35
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 158 2N 0T)

DATA: APR02GK03 #1975
CALI: APR02GK03 #3

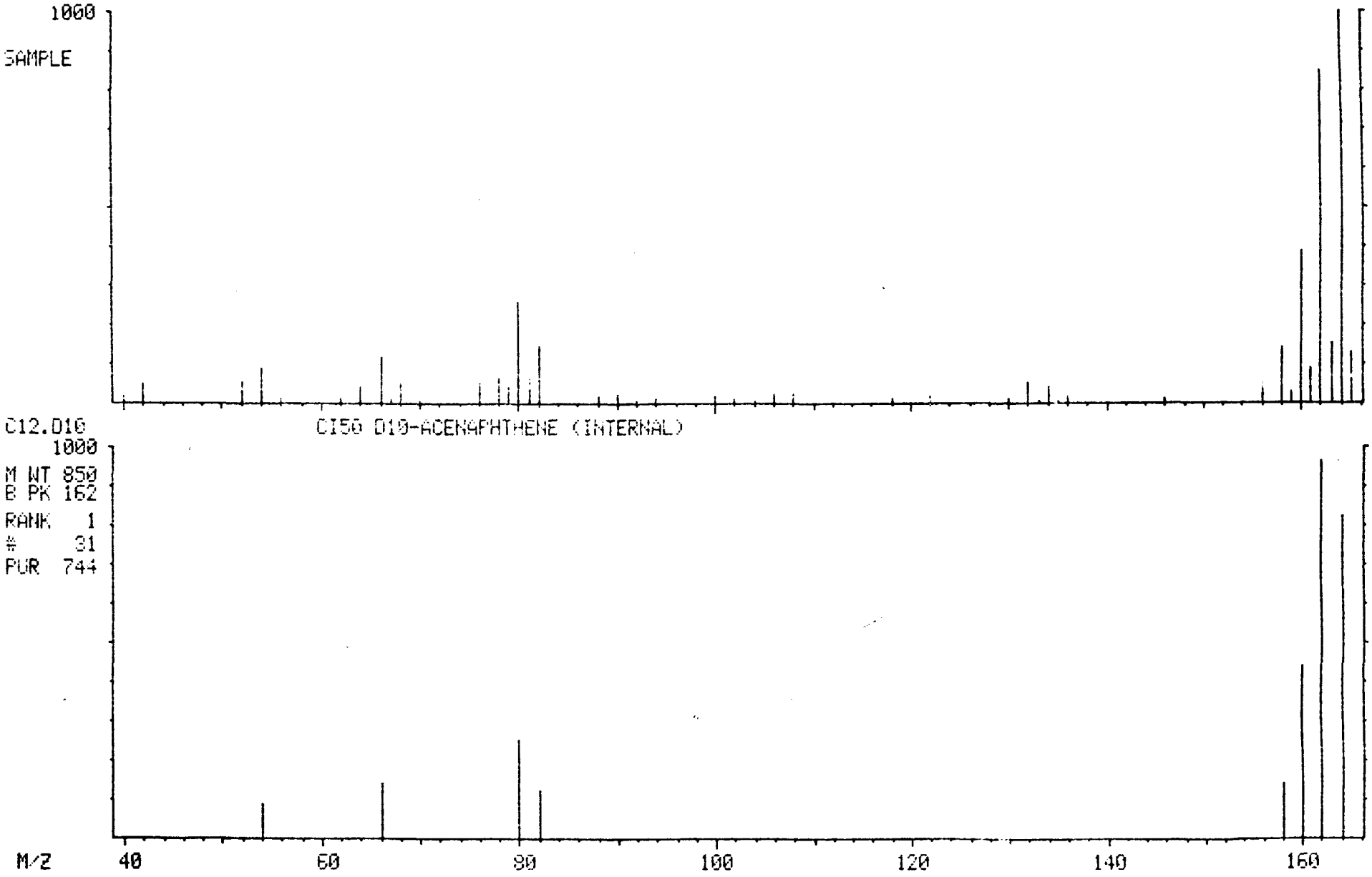
BASE M/Z: 164
RIC: 81792.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 13:35
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1975
CALI: APR02GK03 # 3

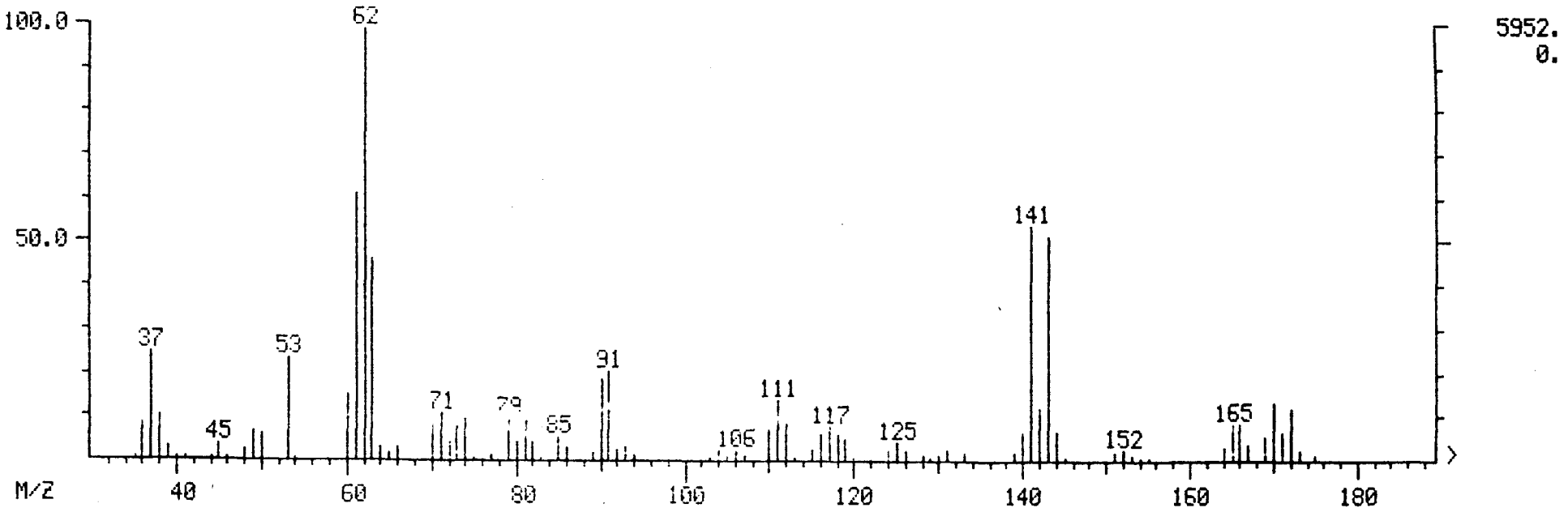
BASE M/Z: 164
RIC: 79360.

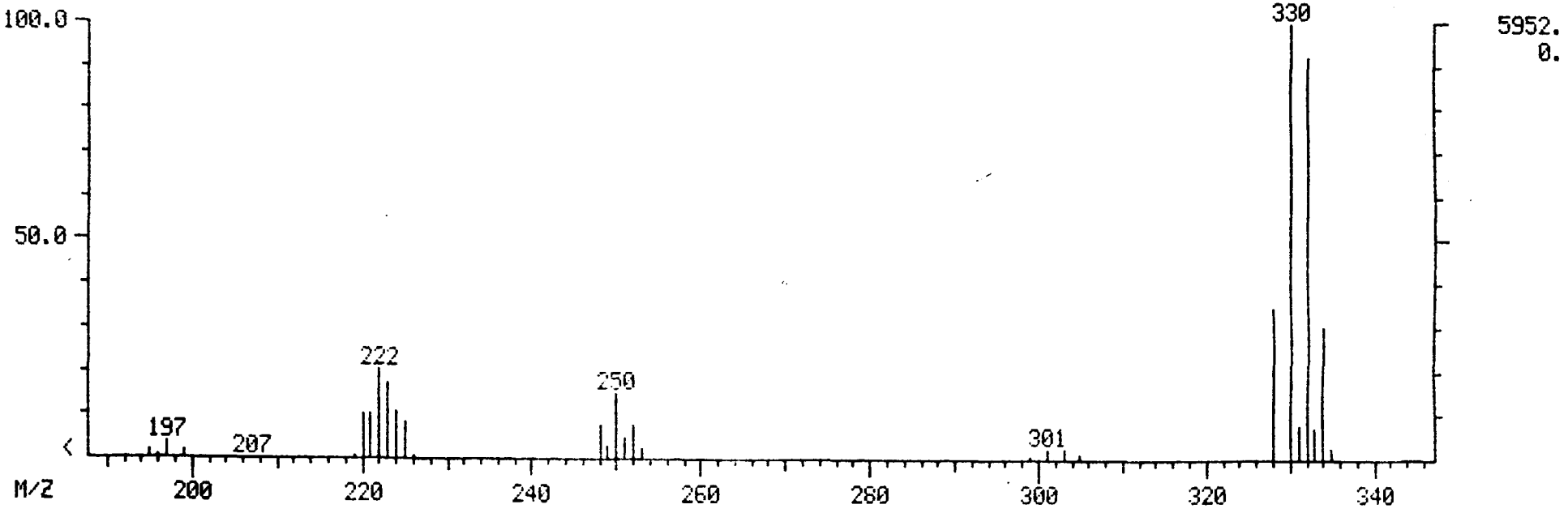


MASS SPECTRUM
04/02/91 10:35:00 + 21:38
SAMPLE: 90952 OH-/H+ (BLANK) CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 217 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2183
CALI: APR02GK03 #3

BASE M/Z: 330
RIC: 67584.





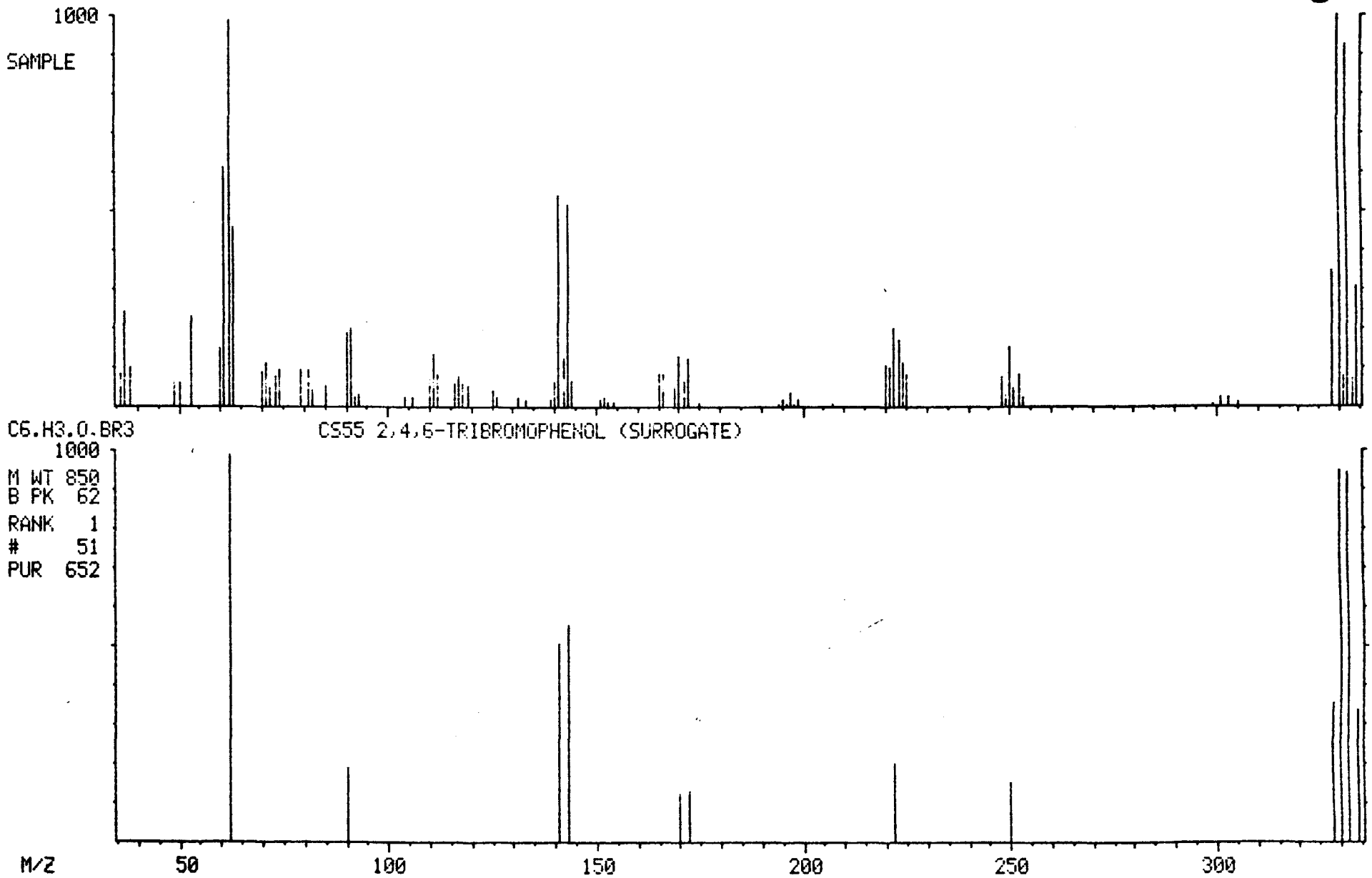
002200

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 21:38
SAMPLE: 90352 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2183
CALI: APR02GK03 # 3

BASE M/Z: 330
RIC: 64320.

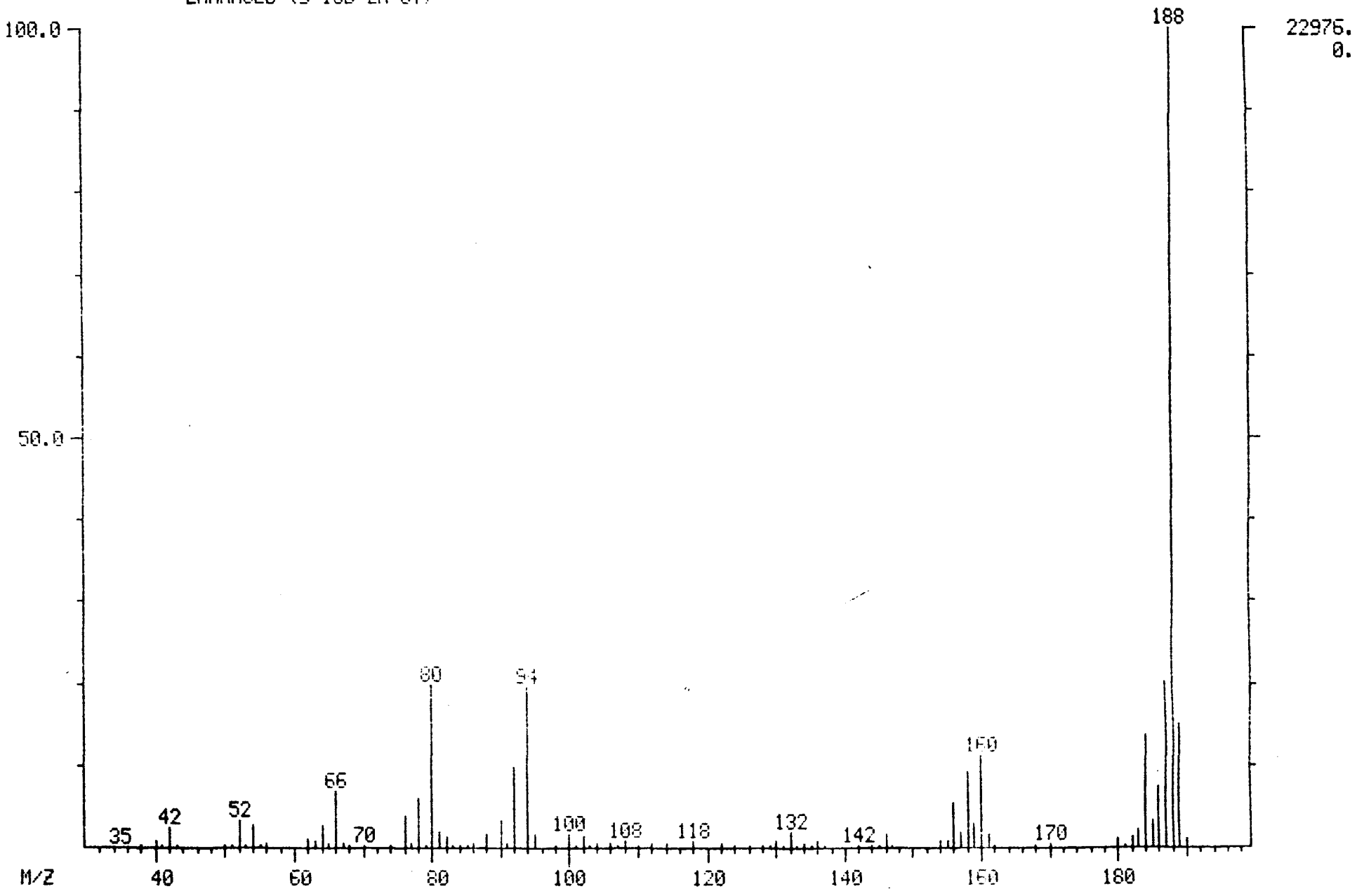
002299



MASS SPECTRUM
04/02/91 10:35:00 + 23:25
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2362
CALI: APR02GK03 #3

BASE M/Z: 188
RIC: 73088.

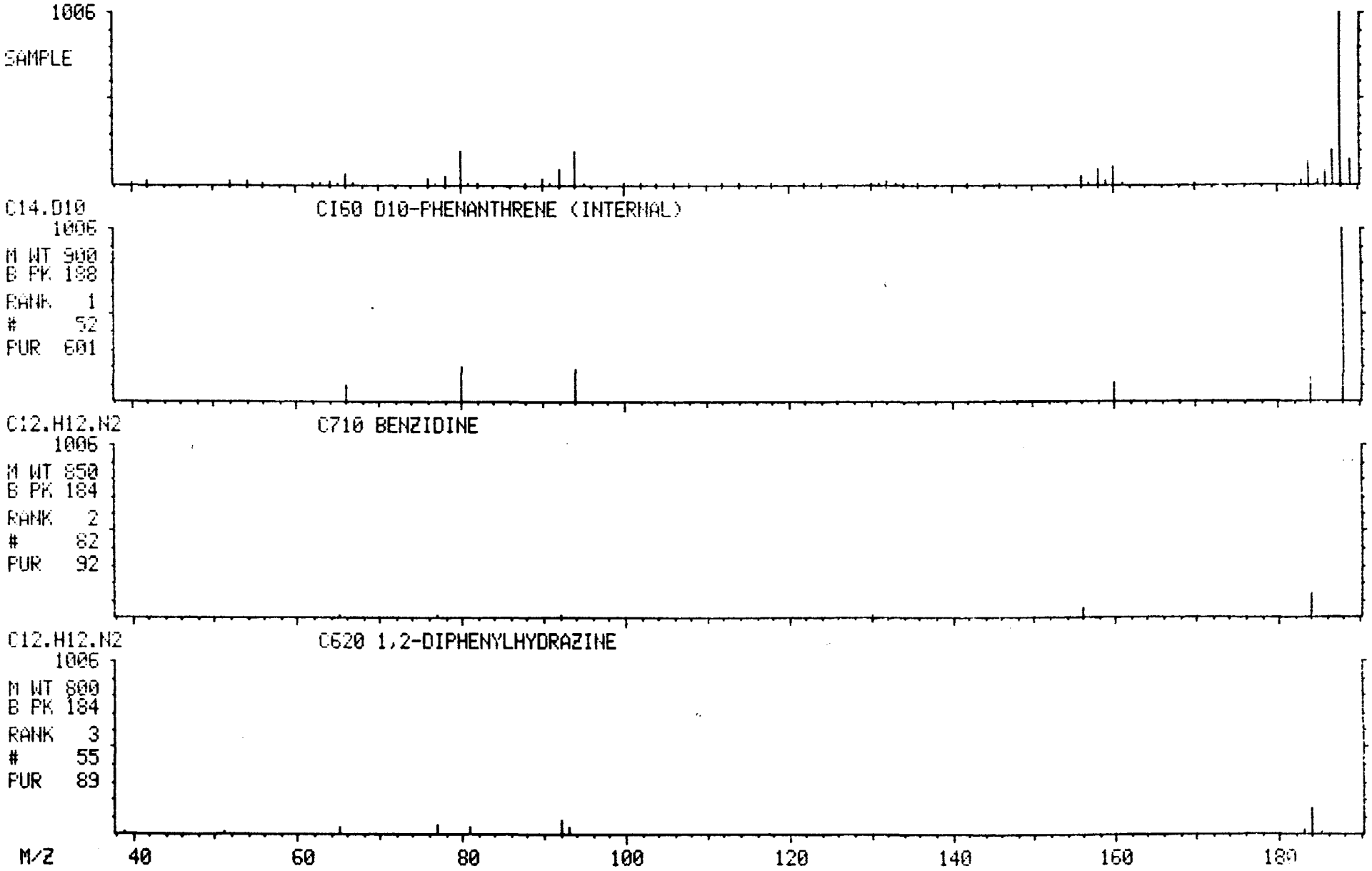


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 23:25
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2362
CALI: APR02GK03 # 3

BASE M/Z: 188
RIC: 70016.

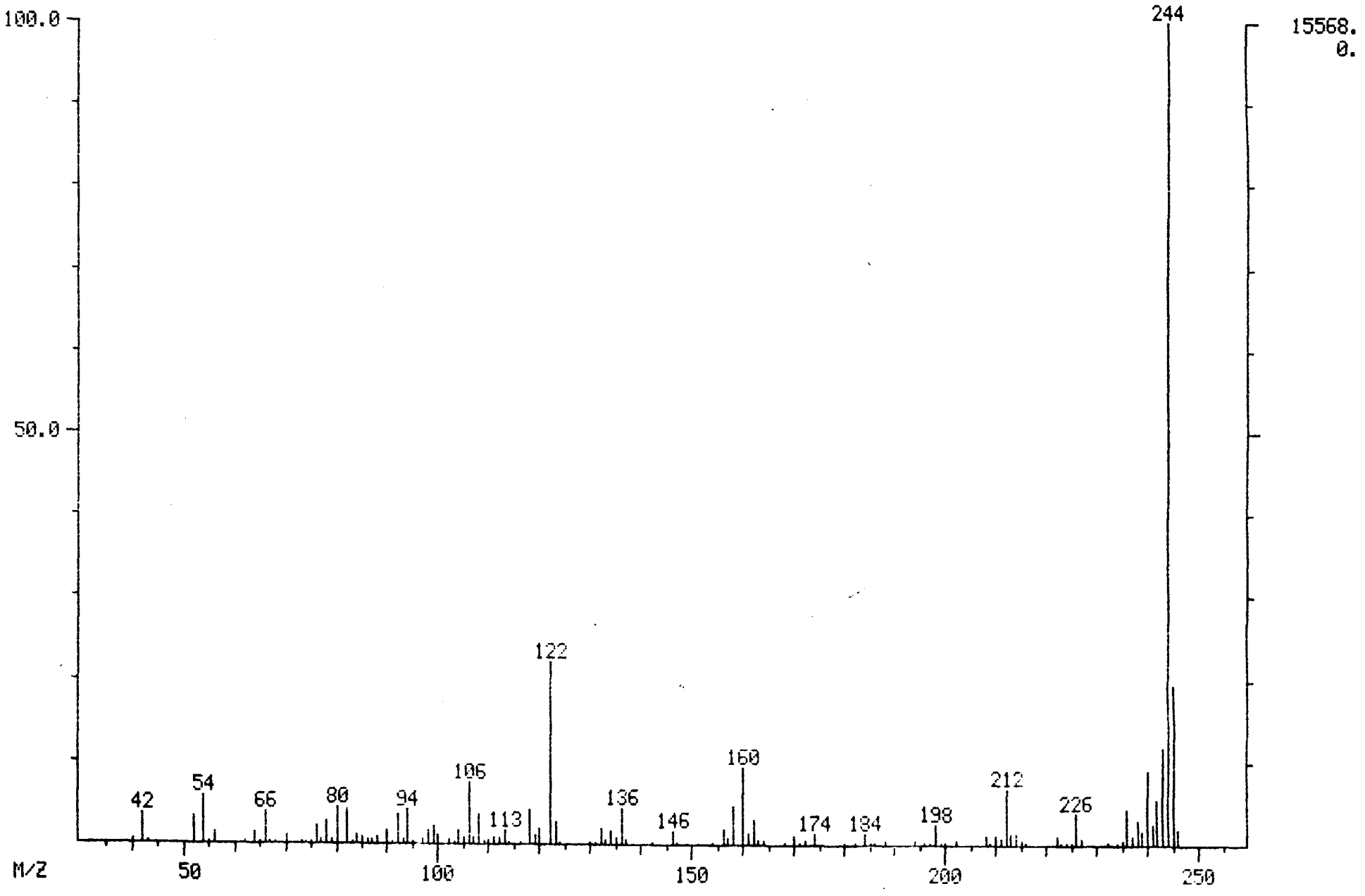
002393



MASS SPECTRUM
04/02/91 10:35:00 + 27:36
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2785
CALI: APR02GK03 #3

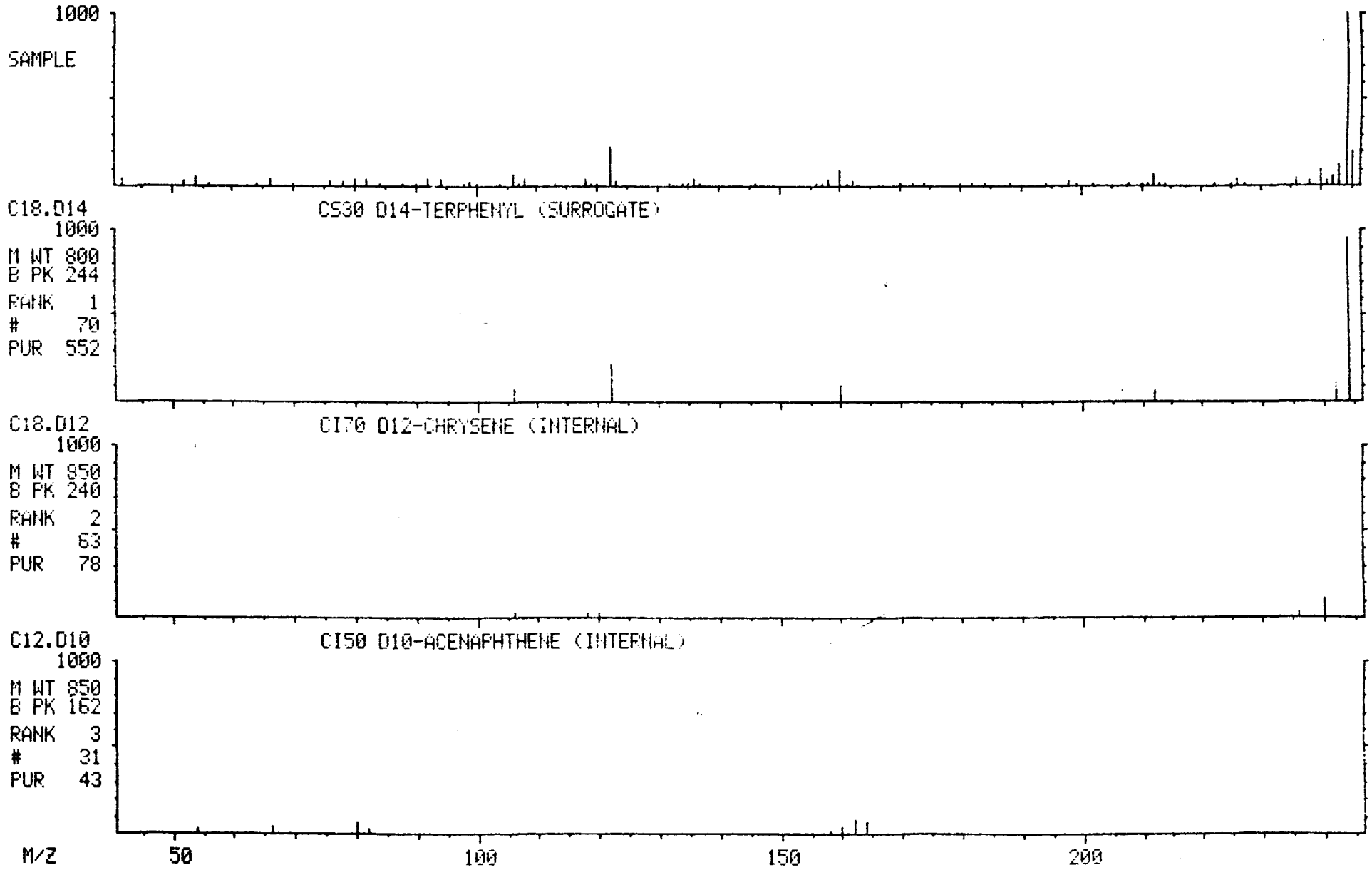
BASE M/Z: 244
RIC: 52992.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 27:36
SAMPLE: 90352 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #2785
CALI: APR02GK03 # 3

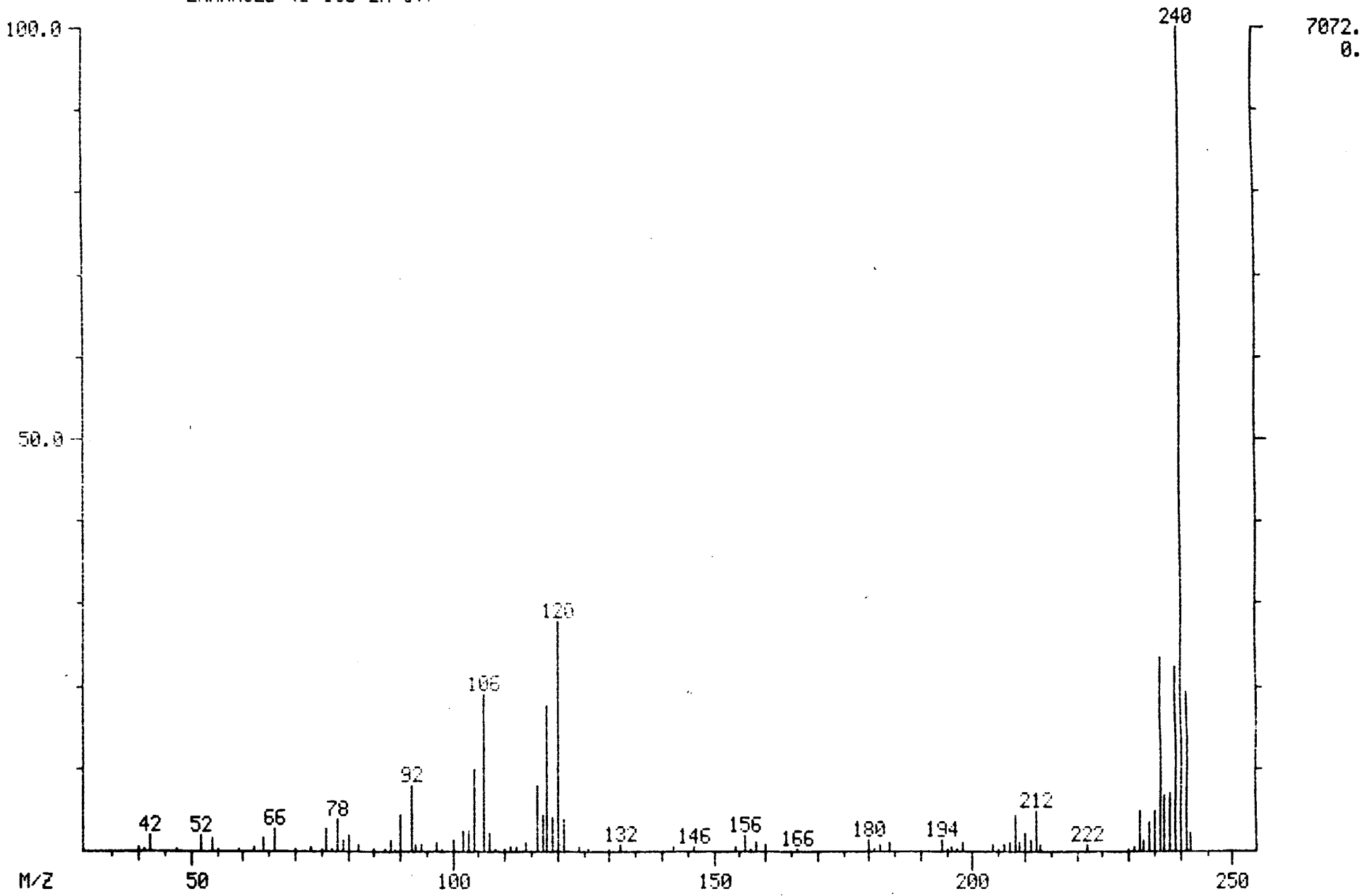
BASE M/Z: 244
RIC: 48896.



MASS SPECTRUM
04/02/91 10:35:00 + 31:10
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #3145
CALI: APR02GK03 #3

BASE M/Z: 240
RIC: 26912.

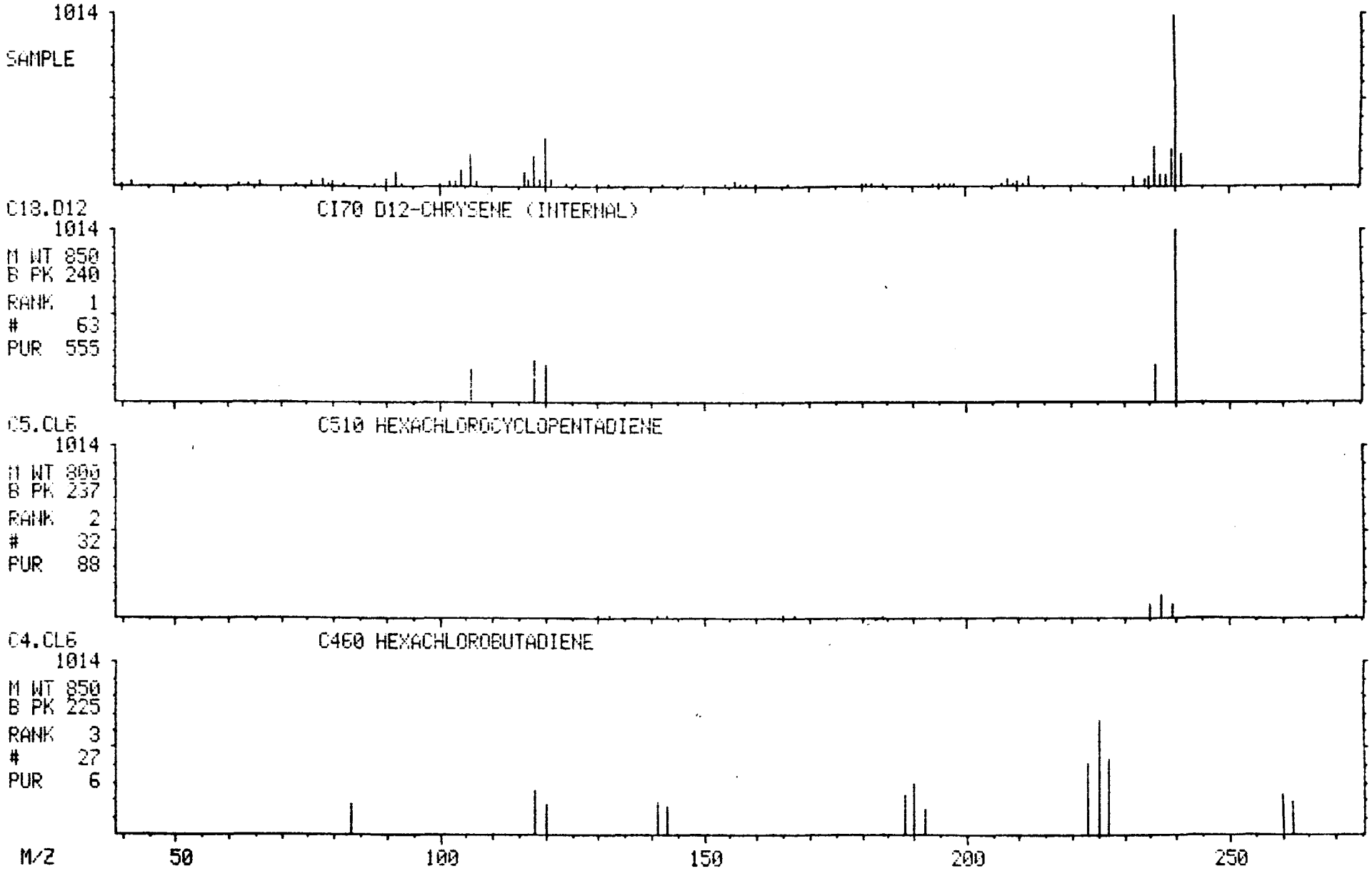


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 10:35:00 + 31:10
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #3145
CALI: APR02GK03 # 3

BASE M/Z: 240
RIC: 25856.

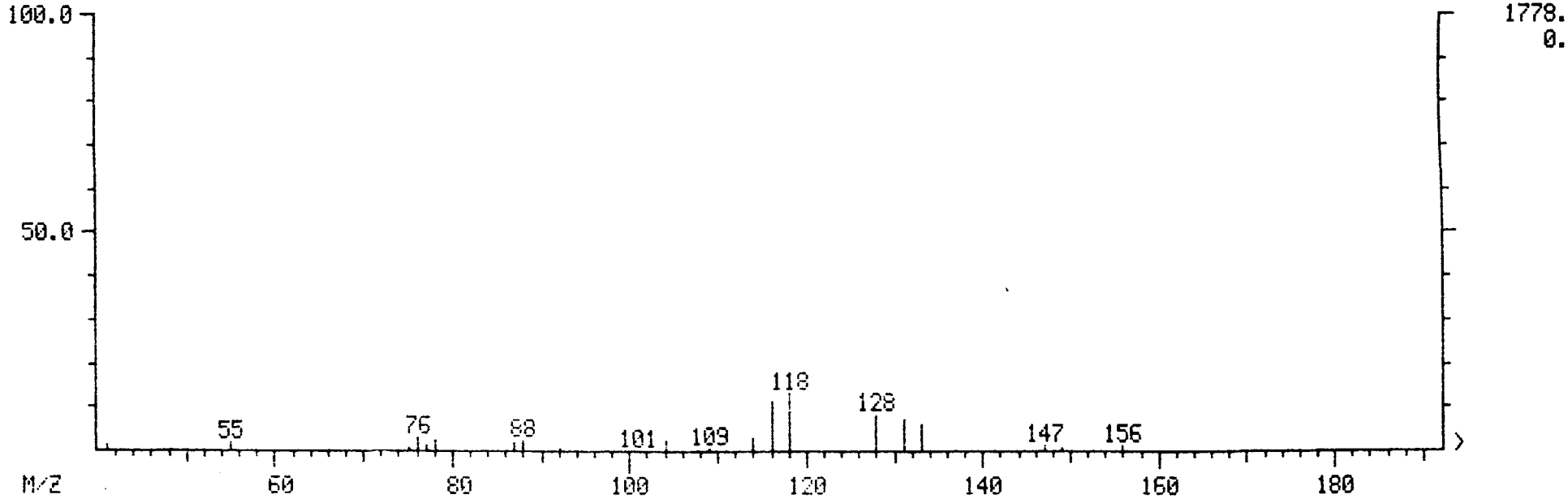
002337

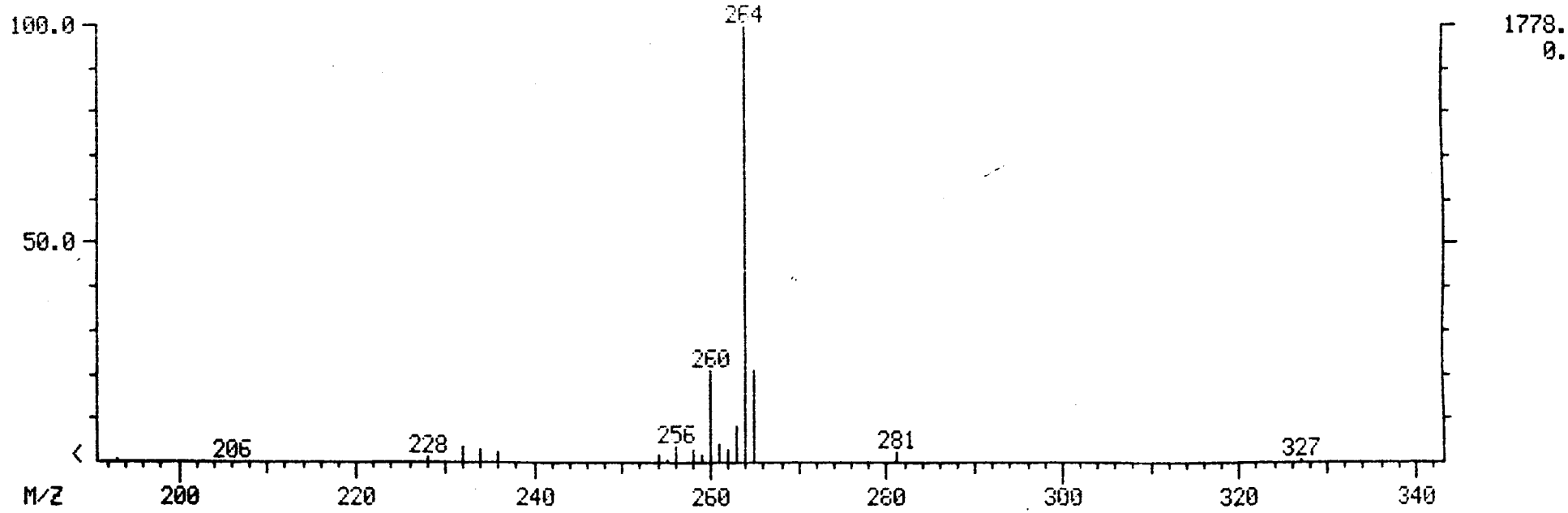


MASS SPECTRUM
04/02/91 10:35:00 + 40:18
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #4065
CALI: APR02GK03 #3

BASE M/Z: 264
RIC: 4488.



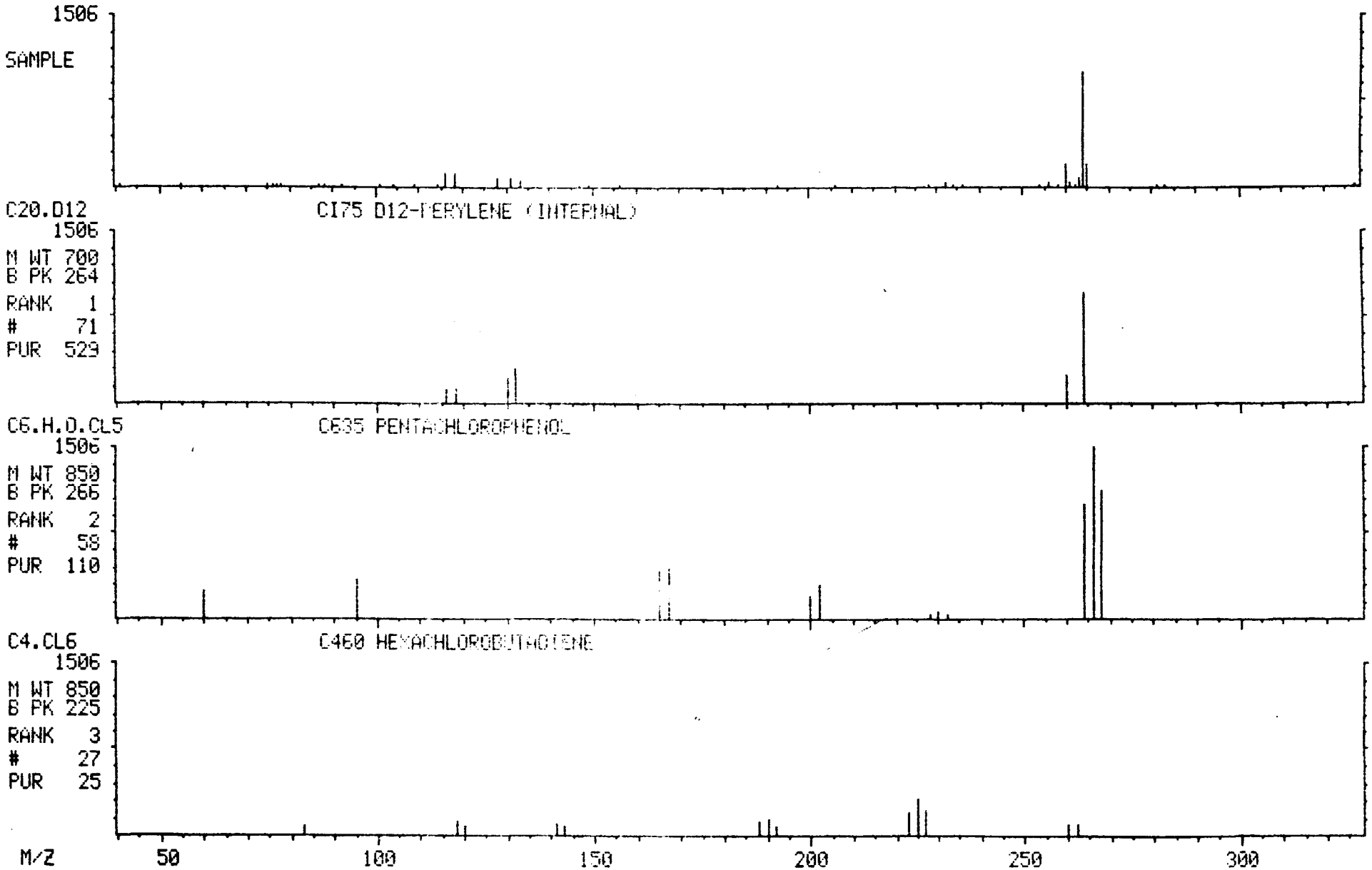


002298

MID LIBRARY SEARCH (LIBRARY)
04/02/91 10:35:00 + 40:18
SAMPLE: 90952 OH-/H+ #BLANK# CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #4065
CALI: APR02GK03 # 3

BASE M/Z: 264
RIC: 4448.



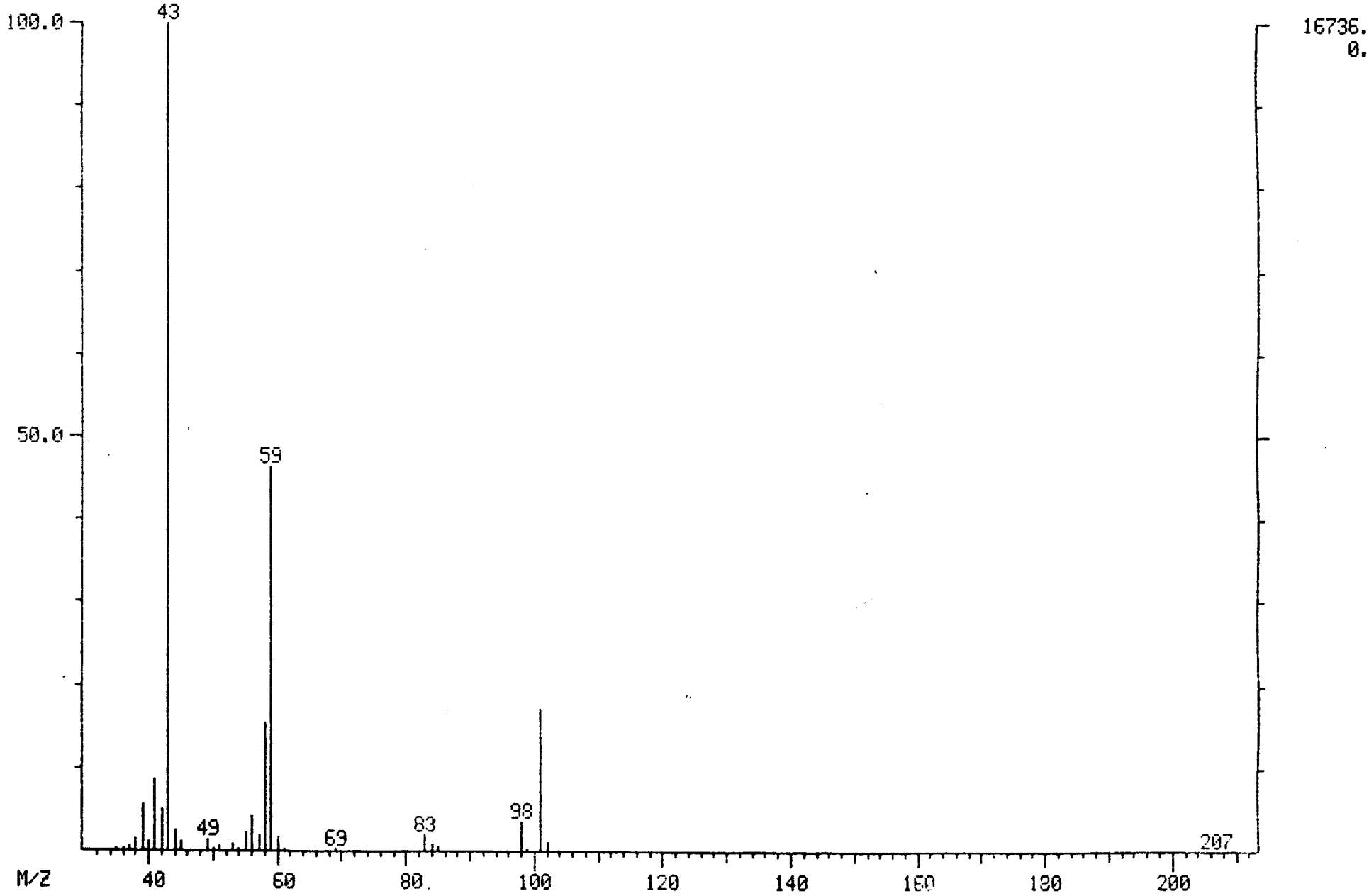
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 10:35:00 + 8:05
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GM03 #816
CALI: APR02GM03 #3

BASE M/Z: 43
RIC: 38208.

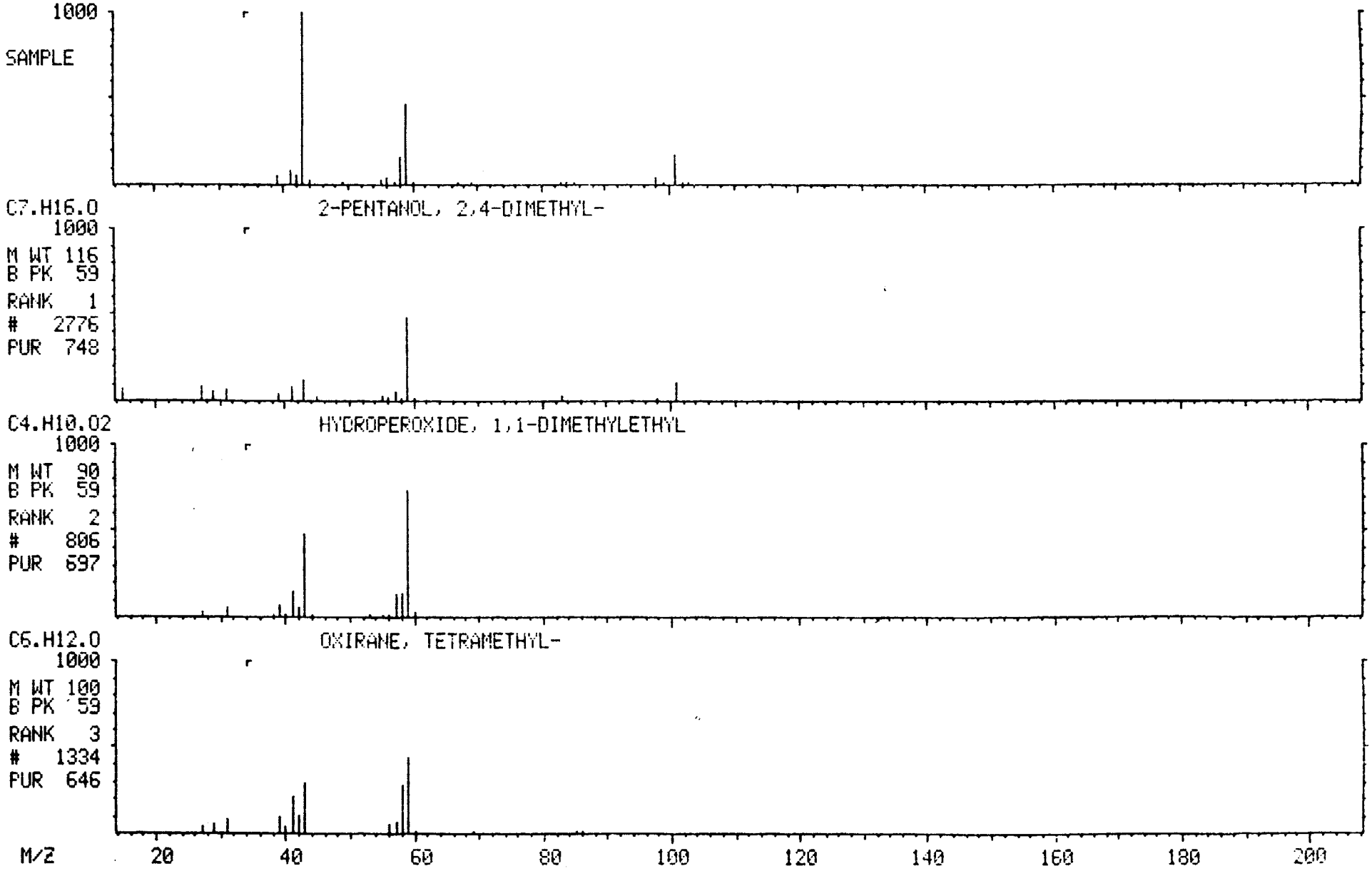
002401



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 10:35:00 + 8:05
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 # 816
CALI: APR02GK03 # 3

BASE M/Z: 43
RIC: 37056.

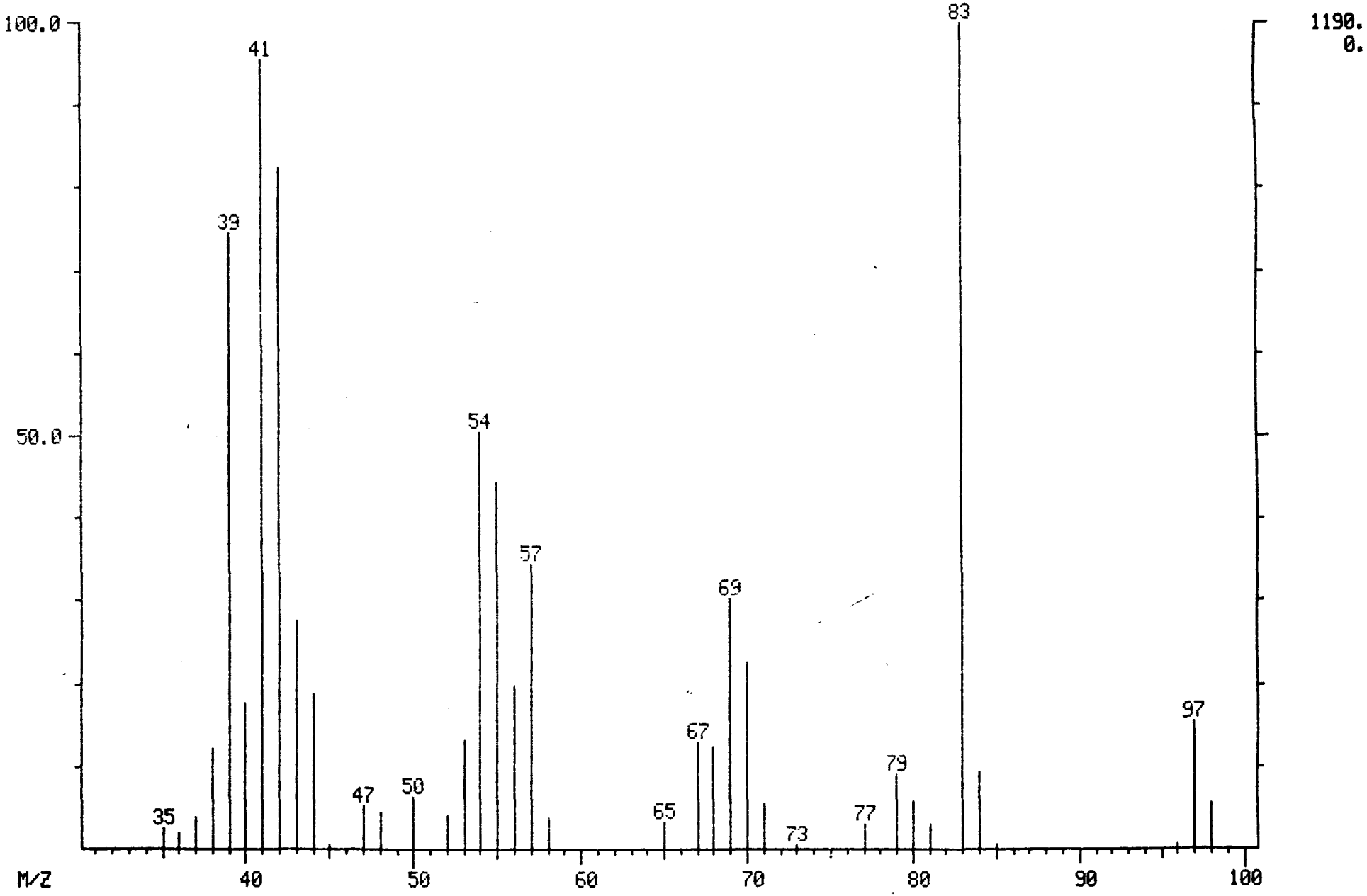


MASS SPECTRUM
04/02/91 10:35:00 + 8:33
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #862
CALI: APR02GK03 #3

BASE M/Z: 83
RIC: 9120.

00403

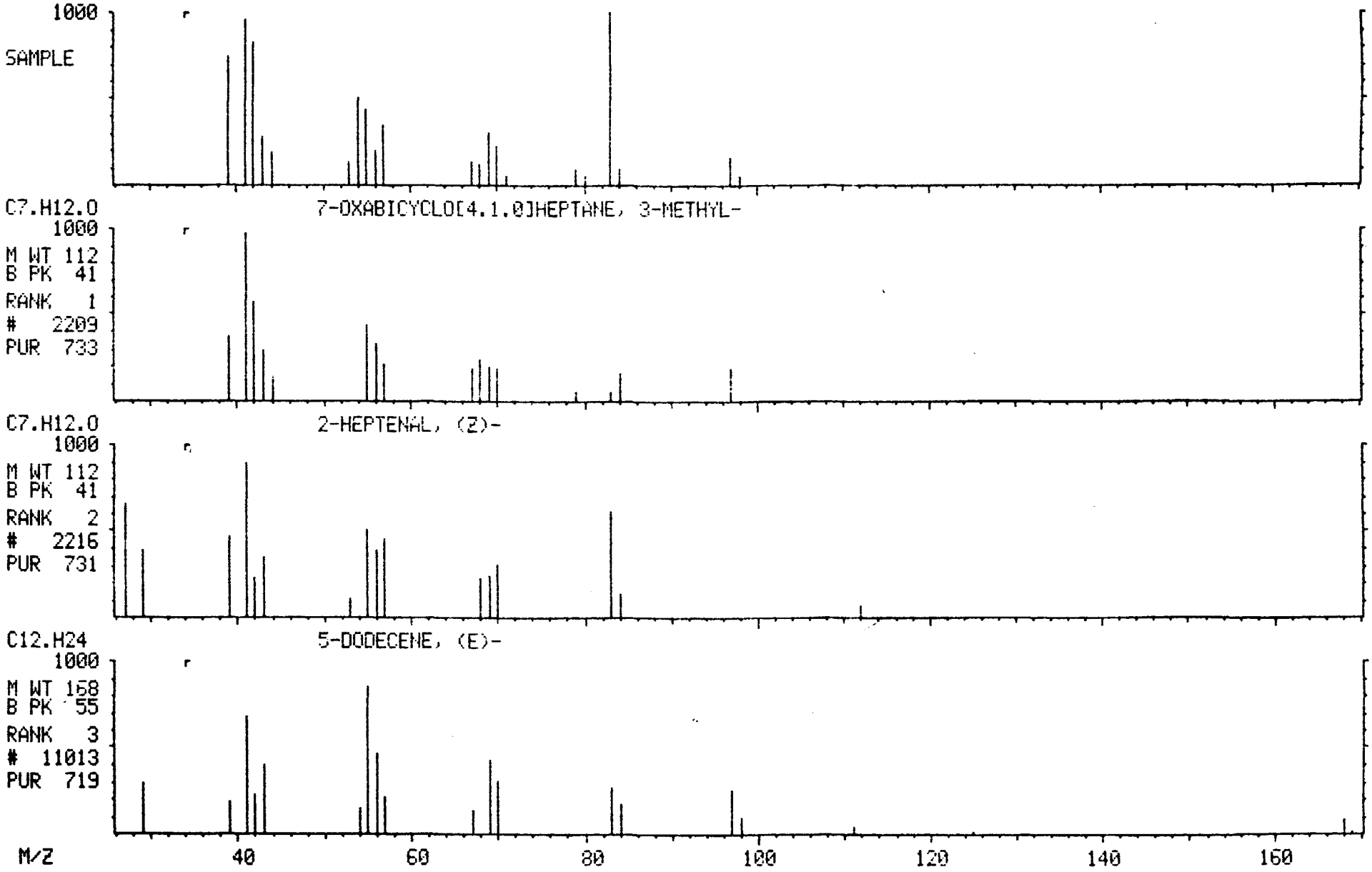


MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 10:35:00 + 8:33
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 # 862
CALI: APR02GK03 # 3

BASE M/Z: 83
RIC: 8256.

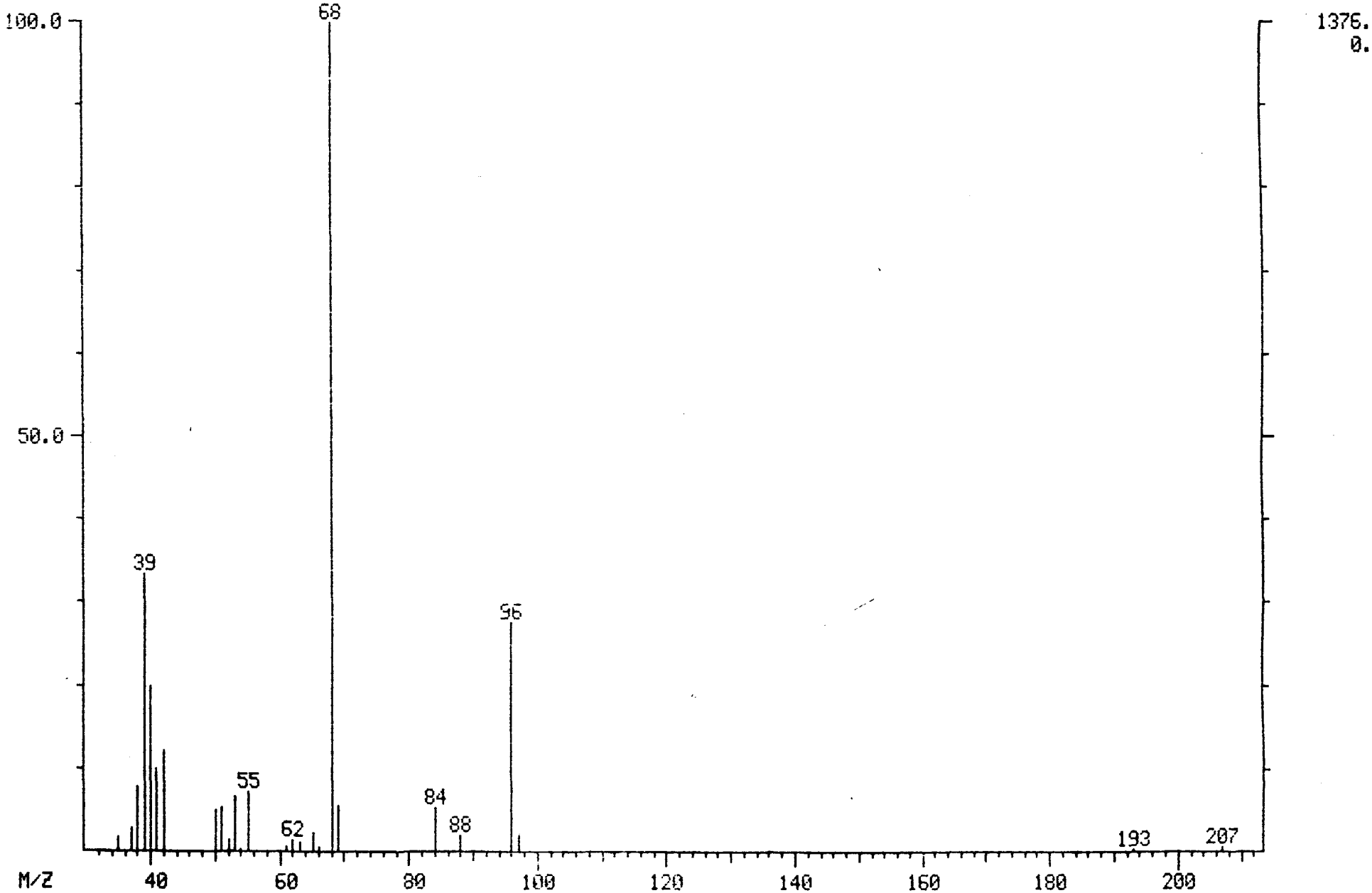
002104



MASS SPECTRUM
04/02/91 10:35:00 + 10:11
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1027
CALI: APR02GK03 #3

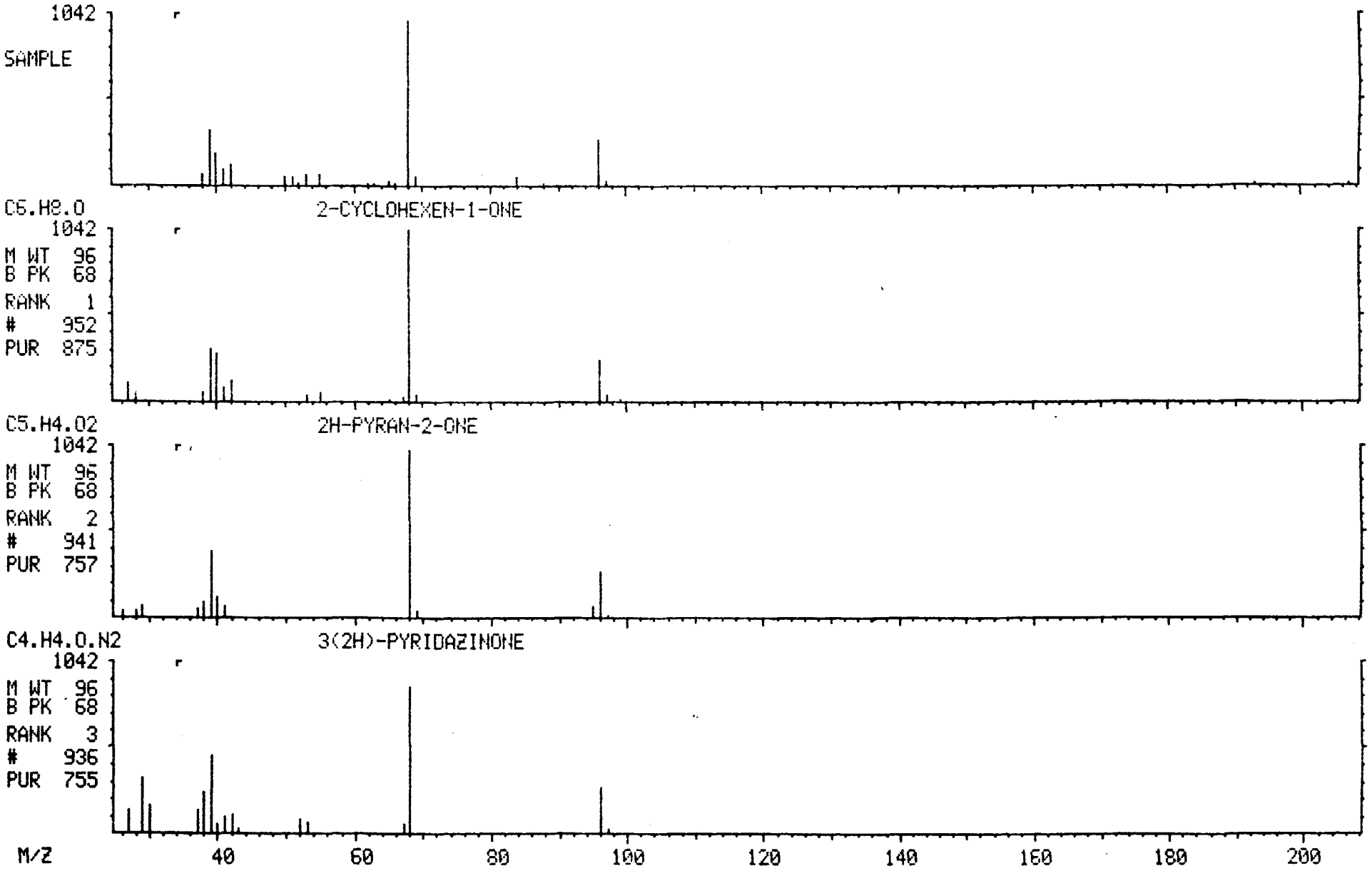
BASE M/Z: 68
RIC: 3628.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 10:35:00 + 10:11
SAMPLE: 90952 OH-/H+ *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK03 #1027
CALI: APR02GK03 # 3

BASE M/Z: 68
RIC: 3552.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
111-44-4	bis(2-Chloroethyl)Ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
100-51-6	Benzyl Alcohol	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
39638-32-9	bis(2-Chloroisopropyl)Ether	650	U
106-44-5	4-Methylphenol	650	U
621-64-7	N-Nitroso-Di-n-Propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
65-85-0	Benzoic Acid	3200	U
111-91-1	bis(2-Chloroethoxy)Methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-Methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	3200	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	3200	U
131-11-3	Dimethyl Phthalate	650	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	3200	U
83-32-9	Acenaphthene	650	U
51-28-5	2,4-Dinitrophenol	3200	U
100-02-7	4-Nitrophenol	3200	U
132-64-9	Dibenzofuran	650	U
121-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethylphthalate	650	U
7005-72-3	4-Chlorophenyl-phenylether	650	U
86-73-7	Fluorene	650	U
100-10-6	4-Nitroaniline	3200	U
534-52-1	4,6-Dinitro-2-Methylphenol	3200	U
86-30-6	N-Nitrosodiphenylamine (1)	650	U
101-55-3	4-Bromophenyl-phenylether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	3200	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
84-74-2	Di-n-Butylphthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butylbenzylphthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)Anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	bis(2-Ethylhexyl)Phthalate	650	U
117-84-0	Di-n-Octyl Phthalate	650	U
205-99-2	Benzo(b)Fluoranthene	650	U
207-08-9	Benzo(k)Fluoranthene	650	U
50-32-8	Benzo(a)Pyrene	650	U
193-39-5	Indeno(1,2,3-cd)Pyrene	650	U
53-70-3	Dibenz(a,h)Anthracene	650	U
191-24-2	Benzo(g,h,i)Perylene	650	U

(1) - Cannot be separated from Diphenylamine

002408

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SBLKSL

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190947

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR19GK03

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/19/91

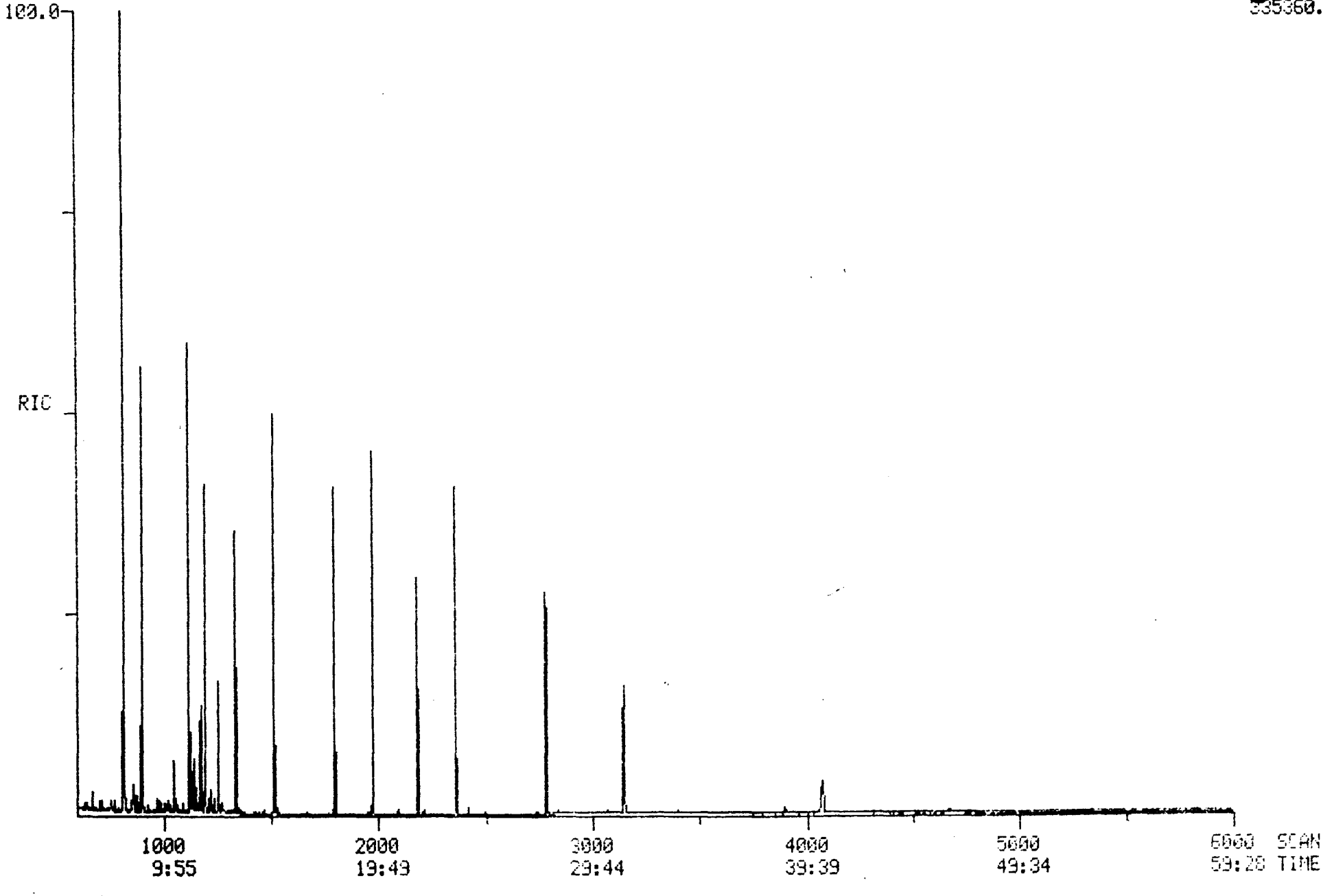
GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 1.0

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.68	68	J
2.	UNKNOWN ALIP. KETONE	7.05	42	AJ
3.	UNKNOWN	7.53	47	J
4.	UNKNOWN ALIP. ALCOHOL	8.12	3200	AJ
5.	UNKNOWN	8.55	140	J
6.	UNKNOWN ALIP. HYDROCARBON	8.67	67	J
7.	UNKNOWN ALIP. HYDROCARBON	8.84	46	J
8.	TETRACHLORO ETHANE	9.77	53	J
9.	UNKNOWN	10.15	57	J
10.	UNKNOWN	10.44	160	J
11.	UNKNOWN	11.20	52	J
12.	UNKNOWN	11.32	170	J
13.	UNKNOWN	11.39	76	J
14.	UNKNOWN	11.65	330	J
15.	UNKNOWN	12.02	46	J
16.	UNKNOWN	12.12	74	J
17.	UNKNOWN	12.25	46	J
18.	UNKNOWN	12.47	470	J
19.	UNKNOWN	12.60	65	J
20.	UNKNOWN	38.64	44	J

RIC DATA: APR19GK03 #1 SCANS 600 TO 6000
04/19/91 11:22:00 CALI: APR19GK03 #3
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,6053 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



4/19/91 11:22.10
Acquisition started

4/19/91 11:22.12
Acquire Run 4:APR19GK03 Starting
04/19/91 11:22:00 + 0:00 Free sectors: 4244 Scan: 0 of 6053
Sample: 90947 GPC *BLANK* CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SD Analyst: GK Acct. No:

*** Autosampler is ready ***
AS Desc.: GO Inject Vol.: 0.5 VIAL: 1
*** GC ready and waiting ***
Elapsed time : 0.0 Min

Temp	Rate	Time (minutes) period	total		
[illegible]	[illegible]	[illegible]		Injector A :	260 Deg C
[illegible]		[illegible] 0	4.0	GC oven :	40 Deg C
[illegible]	[illegible] 10.0	25.0	25.0	Transfer-line:	271 Deg C
270 [illegible]		[illegible] 0	60.0	Ion source :	180 Deg C

Valve A : closed Valve B : closed
*** Instrument parameters ***
Post acquisition state -> Filament : Off Multiplier : Off
MODE: EI (+) Cardinoid + Temp - Sequence: BN (2 time windows.)

Sequence Window A 1
Number of cycles: 360
Filament is OFF
Multiplier is OFF

Scan description [illegible] Mass intervals: 1 Positive ion mode.
Total scan time [illegible] s Master rate: 16

[illegible] 3 [illegible] 1 [illegible] 15 TH. 1 BL: 0

#	[illegible]	[illegible]	Time
1	[illegible]	[illegible]	1.000

[illegible]
Number of cycles: 1
Filament is ON
Multiplier is ON
Scan description [illegible] Mass intervals: 1 Positive ion mode.
Total scan time [illegible] s Master rate: 16

[illegible] 3 MEW 60 MA 15 TH: 1 BL: 0

#	[illegible]	[illegible] mass	Time
1	[illegible]	[illegible]	1.000

Calibration table: 1.CALTAB

Interface number 0
Instrument type Q
Full scale mass 1159 u
Zero scale mass 1 u
Intensity/ion 2
Peak width 1000. mmu
Offset at low mass 0 mmu

002411

Offset at high mass 0 mmu
Voltage settling time(ms) 4

Current instrument parameters.

	Positive ion mode	Negative ion mode
Resolution (high)	128.00	0.00
Resolution (low)	128.00	0.00
Quad offset	0.00	0.00
Quad programming	0.00	0.00
Lens offset	-50.00	0.00
Lens programming	0.00	0.00
Ext offset	-2.00	0.00
Ext programming	0.00	0.00
Collector	30.00	0.00
Ion offset	7.00	0.00
Ion programming	5.00	0.00
Rod polarity	Reverse	Normal

Electron multiplier voltage: 959.
Filament emission current: 750.
Electrometer range: 10 ^-7
Electrometer zero: 133.0

Analyzer Fore Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

4/19/91 12:23.29
ACQUISITION COMPLETED
Scans 1 to 6053 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	6053	7.7	3599.9	0.2	121846. 20.	34.

Quantitation Report File: APR19GK03

Data: APR19GK03.TI
04/19/91 11:[illegible]
Sample: 90947 GPC *BLANK* CLP 1UL-1.0ML
Cond.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No.	Name
1	[illegible] D4-1,4-DICHLOROBENZENE (INTERNAL)
2	[illegible] PHENOL
3	[illegible] BIS(2-CHLOROETHYL)ETHER
4	[illegible] 2-CHLOROPHENOL
5	[illegible] 1,3-DICHLOROBENZENE
6	[illegible] 1,4-DICHLOROBENZENE
7	[illegible] 1,2-DICHLOROBENZENE
8	[illegible] BENZYL ALCOHOL
9	[illegible] 2-METHYLPHENOL
10	[illegible] BIS(2-CHLOROISOPROPYL) ETHER
11	[illegible] 4-METHYLPHENOL
12	[illegible] N-NITROSO-DI-N-PROPYLAMINE
13	[illegible] HEXACHLOROETHANE
14	[illegible] 2-FLUOROPHENOL (SURROGATE)
15	[illegible] D5-PHENOL (SURROGATE)
16	[illegible] D8-NAPHTHALENE (INTERNAL)
17	[illegible] NITROBENZENE
18	[illegible] ISOPHORONE
19	[illegible] 2-NITROPHENOL
20	[illegible] 2,4-DIMETHYLPHENOL
21	[illegible] BENZOIC ACID
22	[illegible] BIS(2-CHLOROETHOXY) METHANE
23	[illegible] 2,4-DICHLOROPHENOL
24	[illegible] 1,2,4-TRICHLOROBENZENE
25	[illegible] NAPHTHALENE
26	[illegible] 4-CHLOROANILINE
27	[illegible] HEXACHLOROBUTADIENE
28	[illegible] 4-CHLORO-3-METHYLPHENOL
29	[illegible] 2-METHYLNAPHTHALENE
30	[illegible] D5-NITROBENZENE (SURROGATE)
31	[illegible] D10-ACENAPHTHENE (INTERNAL)
32	[illegible] HEXACHLOROCYCLOPENTADIENE
33	[illegible] 2,4,6-TRICHLOROPHENOL
34	[illegible] 2,4,5-TRICHLOROPHENOL
35	[illegible] 2-CHLORONAPHTHALENE
36	[illegible] 2-NITROANILINE
37	[illegible] DIMETHYLPHTHALATE
38	[illegible] ACENAPHTHYLENE
39	[illegible] 3-NITROANILINE
40	[illegible] ACENAPHTHENE
41	[illegible] 2,4-DINITROPHENOL
42	[illegible] 4-NITROPHENOL
43	[illegible] DIBENZOFURAN
44	[illegible] 2,6-DINITROTOLUENE
45	[illegible] 2,4-DINITROTOLUENE
46	[illegible] DIETHYLPHTHALATE
47	[illegible] 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C525 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1195	11:51	1	1.000	A BB	96692.	40.000 UG/L	5.12
2	94	1123	11:08	1	0.940	A BB	806.	~~0.287 UG/L~~	0.04
3	NOT FOUND								
4	128	1153	11:26	1	0.965	A BB	154.	~~0.083 UG/L~~	0.01
5	NOT FOUND								
6	146	1199	11:53	1	1.003	A BB	172.	~~0.089 UG/L~~	0.01
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	45	1270	12:35	1	1.063	A BV	633.	~~0.156 UG/L~~	0.02
11	NOT FOUND								
12	70	1304	12.56	1	1.091	A VB	420.	~~0.221 UG/L~~	0.03
13	NOT FOUND								
14	112	903	8.57	1	0.756	A BB	148371.	91.631 %	11.74
15	99	1120	11.06	1	0.937	A BV	182160.	99.073 %	12.69
16	136	1515	15:01	16	1.000	A BB	228531.	40.000 UG/L	5.12
17	77	1336	13:15	16	0.882	A BB	498.	~~0.186 UG/L~~	0.02
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	[illegible]	[illegible]	14.94	16	0.993	A BB	84.	~~0.062 UG/L~~	0.01
25	[illegible]	[illegible]	15.04	16	1.003	A BB	158.	~~0.029 UG/L~~	0.00
26	NOT FOUND								
27	NOT FOUND								
28	[illegible]	[illegible]	16.32	16	1.098	A BB	126.	~~0.065 UG/L~~	0.01
29	[illegible]	[illegible]	16.51	16	1.121	A BB	218.	~~0.065 UG/L~~	0.01
30	[illegible]	[illegible]	13.17	16	0.882	A BB	120015.	85.361 %	10.93
31	[illegible]	[illegible]	19.19	31	1.000	A BB	101601.	40.000 UG/L	5.12
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	[illegible]	1984	19.40	31	1.005	A BB	326.	~~0.123 UG/L~~	0.02
42	NOT FOUND								
43	NOT FOUND								
44	[illegible]	2024	20.04	31	1.025	A BB	190.	~~0.048 UG/L~~	0.01
45	NOT FOUND								
46	NOT FOUND								
47	149	2054	20.45	31	1.060	A BB	82.	~~0.024 UG/L~~	0.00
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	172	1798	17.49	31	0.910	A BV	131386.	103.582 %	13.27

Quantitation Report File: APR19GK03

Data: APR19GK03.TI
04/19/91 11:22:00
Sample: 90947 GPC *BLANK* CLP 1UL-1.0ML
Conds: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	0555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	0560 D10-PHENANTHRENE (INTERNAL)
53	0610 4,6-DINITRO-2-METHYLPHENOL
54	0625 4-BROMOPHENYL PHENYL ETHER
55	0630 HEXACHLOROBENZENE
56	0635 PENTACHLOROPHENOL
57	0640 PHENANTHRENE
58	0645 ANTHRACENE
59	0650 DI-N-BUTYLPHTHALATE
60	0655 FLUORANTHENE
61	0531 AZOBENZENE
62	0715 PYRENE
63	0615 N-NITROSODIPHENYLAMINE
64	0170 D12-CHRYSENE (INTERNAL)
65	0720 BUTYLBENZYLPHTHALATE
66	0725 3,3'-DICHLOROBENZIDINE
67	0730 BENZO(A)ANTHRACENE
68	0745 BIS(2-ETHYLHEXYL)PHTHALATE
69	0740 CHRYSENE
70	0830 D14-TERPHENYL (SURROGATE)
71	0175 D12-PERYLENE (INTERNAL)
72	0760 DI-N-OCTYLPHTHALATE
73	0765 BENZO(B)FLUORANTHENE
74	0770 BENZO(K)FLUORANTHENE
75	0775 BENZO(A)PYRENE
76	0780 INDENO(1,2,3-CD)PYRENE
77	0785 DIBENZO(A,H)ANTHRACENE
78	0790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2183	21:38	31	1.105	A BB	20416.	86.856	%	11.12
52	188	2363	23:25	52	1.000	A BV	153813.	40.000	UG/L	5.12
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
57	178	2368	23:28	52	1.002	A BB	758.	0.188	UG/L	0.02
58	178	2380	23:35	52	1.007	A BB	142.	0.034	UG/L	0.00
59	149	2522	25:00	52	1.067	A BB	780.	0.142	UG/L	0.02
60	202	2686	26:37	52	1.137	A BB	214.	0.059	UG/L	0.01
61	77	2154	21:21	52	0.912	A BB	182.	0.032	UG/L	0.00
62	202	2746	27:13	52	1.162	A BB	732.	0.205	UG/L	0.03
63	NOT FOUND									
64	240	3148	31:12	64	1.000	A BB	84360.	40.000	UG/L	5.12
65	NOT FOUND									

002415

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	NOT FOUND									
67	NOT FOUND									
68	149	3167	31.23	64	1.006	A BB	120.	0.059	UG/L	0.01
69	NOT FOUND									
70	244	2785	27:36	64	0.885	A BB	89705.	72.161	%	9.24
71	264	4074	40:23	71	1.000	A BB	40331.	40.000	UG/L	5.12
72	NOT FOUND									
73	NOT FOUND									
74	NOT FOUND									
75	NOT FOUND									
76	NOT FOUND									
77	NOT FOUND									
78	NOT FOUND									

Quantitation Report File: APR19GK03A

Data: APR19GK03.TI
04/19/91 11:22:00
Sample: 90947 GPC *BLANK* CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.032
Resp. fac. from Library Entry

No	CAS #	Name
1	34314-83-5	FURAN, 2,3-DIHYDRO-4-METHYL-
2	141-79-7	3-PENTEN-2-ONE, 4-METHYL-
3	14617-97-1	BUTYRIC ACID, M-NITROPHENYL ESTER
4	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
5	57266-86-1	2-HEPTENAL, (Z)-
6	2216-34-4	OCTANE, 4-METHYL-
7	52896-87-4	HEPTANE, 4-(1-METHYLETHYL)-
8	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
9	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
10	3240-09-3	5-HEXEN-2-ONE, 5-METHYL-
11	5362-50-5	3-PENTENAL, 4-METHYL-
12	18641-71-9	3-HEPTANONE, 2,4-DIMETHYL-
13	123-42-2	2-PENTANONE, 4-HYDROXY-4-METHYL-
14	5340-96-4	2-BUTANOL, 3-METHYL-, ACETATE
15	61142-42-5	2-OCTENE, 2-METHOXY-
16	55720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
17	29081-59-8	BUTANE, 2-(ETHENYLOXY)-2-METHYL-
18	542-59-6	1,2-ETHANEDIOL, MONOACETATE
19	112-70-9	1-TRIDECANOL
20	6418-45-7	NONADECANE, 3-METHYL-

		Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	674	6:41	4	0.823	A BB	28895.UNK	0.068 39,41,55,84	1.30
2	RIC	711	7:03	4	0.868	A BV	17896 this Ketone	0.042 55,83,98	0.80A
3	RIC	760	7:32	4	0.928	A BB	19805.UNK	0.047 43,63,71	0.89
4	RIC	819	8:07	4	1.000	A BB	1355670. this OL	3.200 43,59,101	60.95A
5	RIC	862	8:33	4	1.053	A BB	59116.UNK	0.140 41,70,83	2.66
6	RIC	875	8:40	4	1.068	A BB	28460 HC	0.067 43,57,71,85	1.28
7	RIC	892	8:50	4	1.089	A BB	19597 HC	0.046 "	0.88
8	RIC	985	9:46	4	1.203	A BB	22385 Below	0.053 60,83,95,131	1.01
9	RIC	1024	10:09	4	1.250	A VB	24053.UNK	0.057 41,43,69,97	1.08
10	RIC	1052	10:26	4	1.284	A BB	69311.UNK	0.164 43,85,97	3.12
11	RIC	1130	11:12	4	1.380	A VV	21992.UNK	0.052 43,69,83,98	0.99
12	RIC	1141	11:19	4	1.393	A VB	70847.UNK	0.167 43,71,100	3.19
13	RIC	1149	11:23	4	1.403	A BB	31992.UNK	0.076 43,55,83,101	1.44
14	RIC	1175	11:39	4	1.435	A BV	140490.UNK	0.332 43,70,87	6.32
15	RIC	1213	12:01	4	1.481	A BB	19534.UNK	0.046 41,43,85,98	0.88
16	RIC	1223	12:07	4	1.493	A VV	31374.UNK	0.074 43,69,83,98	1.41
17	RIC	1236	12:15	4	1.509	A BB	19580.UNK	0.046 43,71,114	0.88
18	RIC	1257	12:28	4	1.535	A BB	196851.UNK	0.465 43,71,86	8.85
19	RIC	1272	12:36	4	1.553	A BB	27725.UNK	0.065 41,57,70,81	1.25
20	RIC	3898	38:38	4	4.759	A BB	18797.UNK	0.044 57,71,85,207	0.85

$\frac{1355670}{568310} \times 40 \times \frac{1}{3026} \times \frac{1}{100} = 0.032$ Tetrachloro Ethane #8

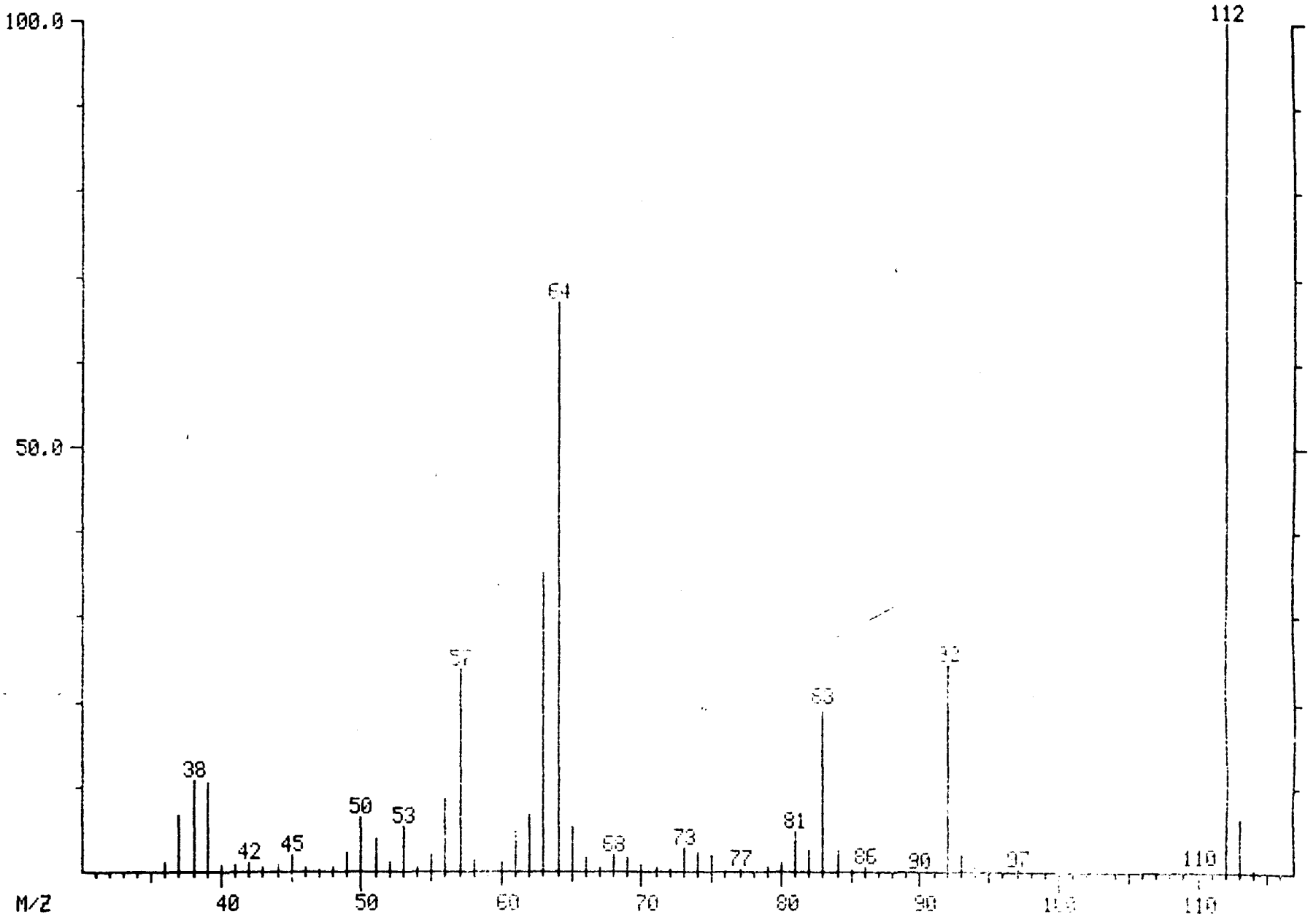
002417

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 11:22:00 + 8:57
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #903
CALI: APR19GK03 #3

BASE M/Z: 112
RIC: 172288.

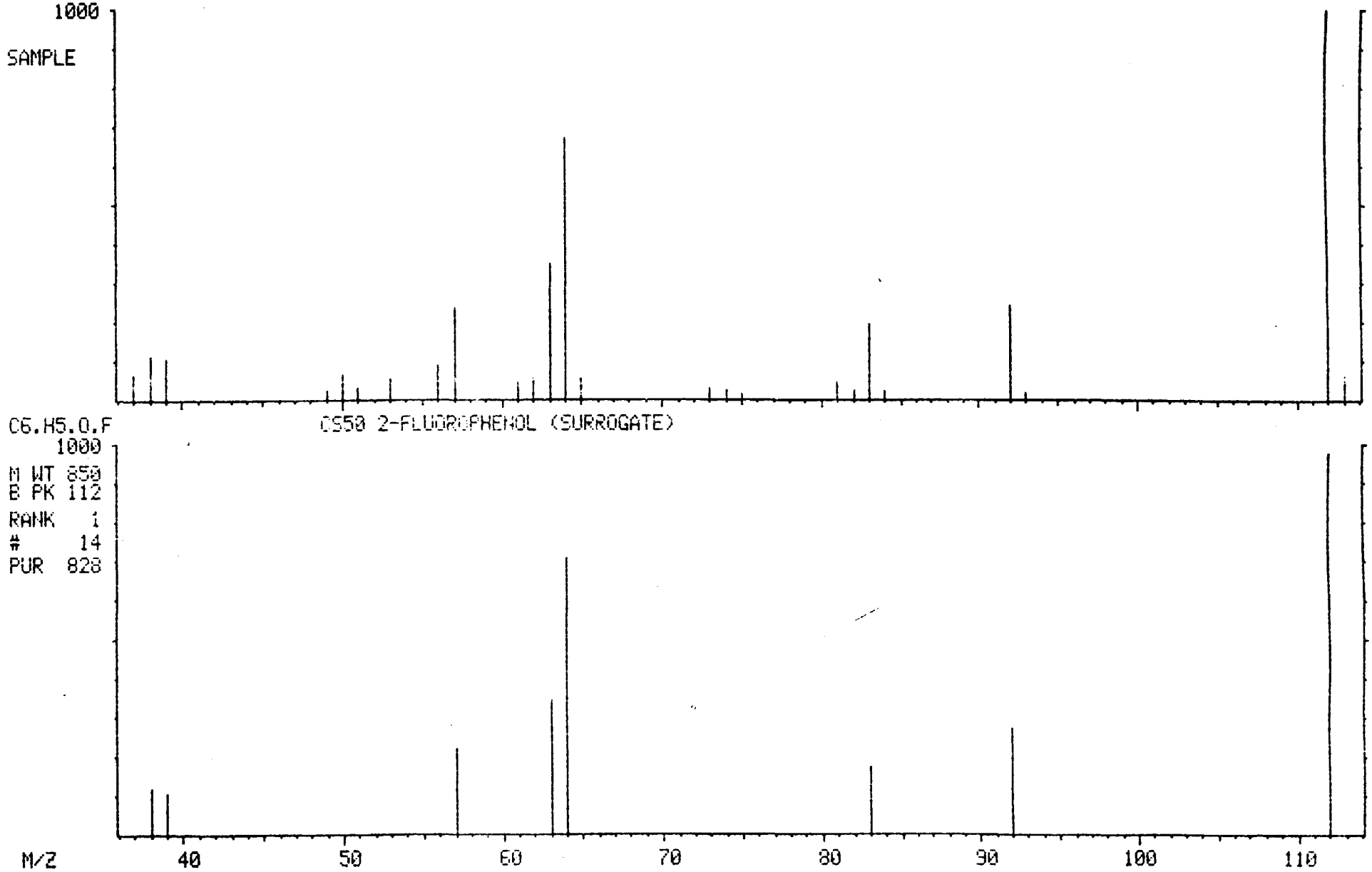


002319

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 8:57
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 903
CALI: APR19GK03 # 3

BASE M/Z: 112
RIC: 160256.

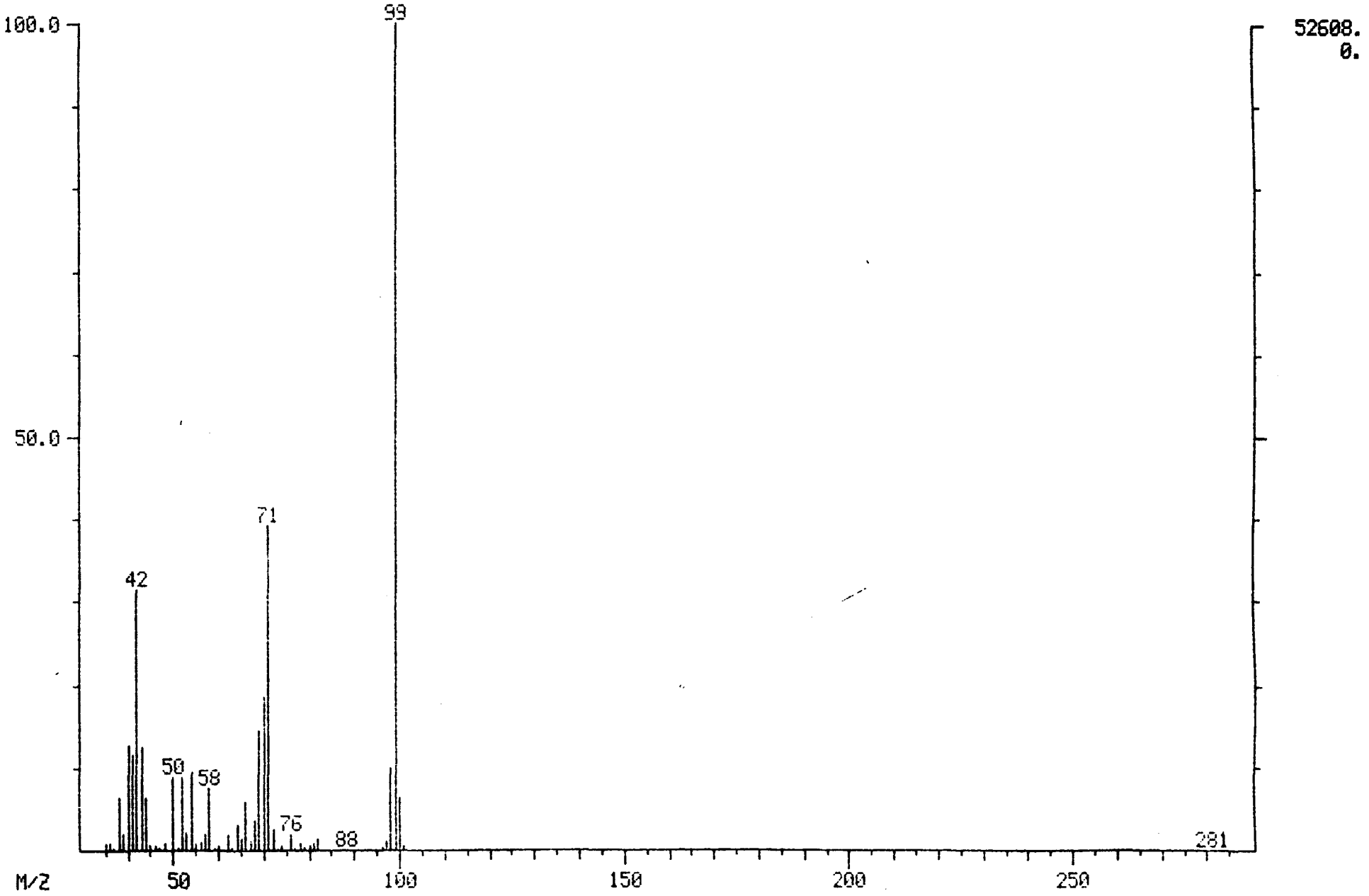


MASS SPECTRUM
04/19/91 11:22:00 + 11:06
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 159 2N 0T)

DATA: APR19GK03 #1120
CALI: APR19GK03 #3

BASE M/Z: 99
RIC: 181504.

002421

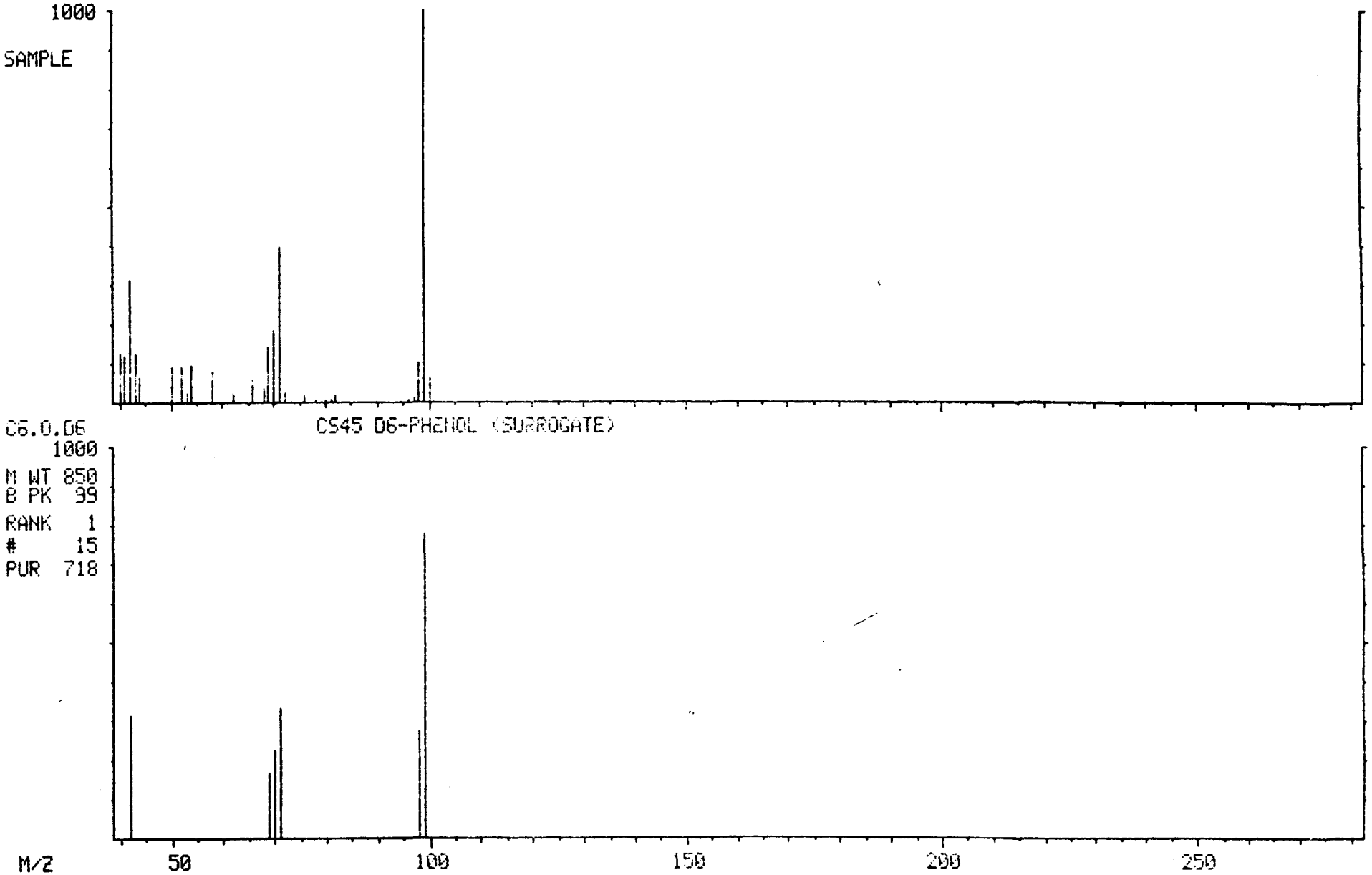


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 11:06
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1120
CALI: APR19GK03 # 3

BASE M/Z: 99
RIC: 168704.

002422

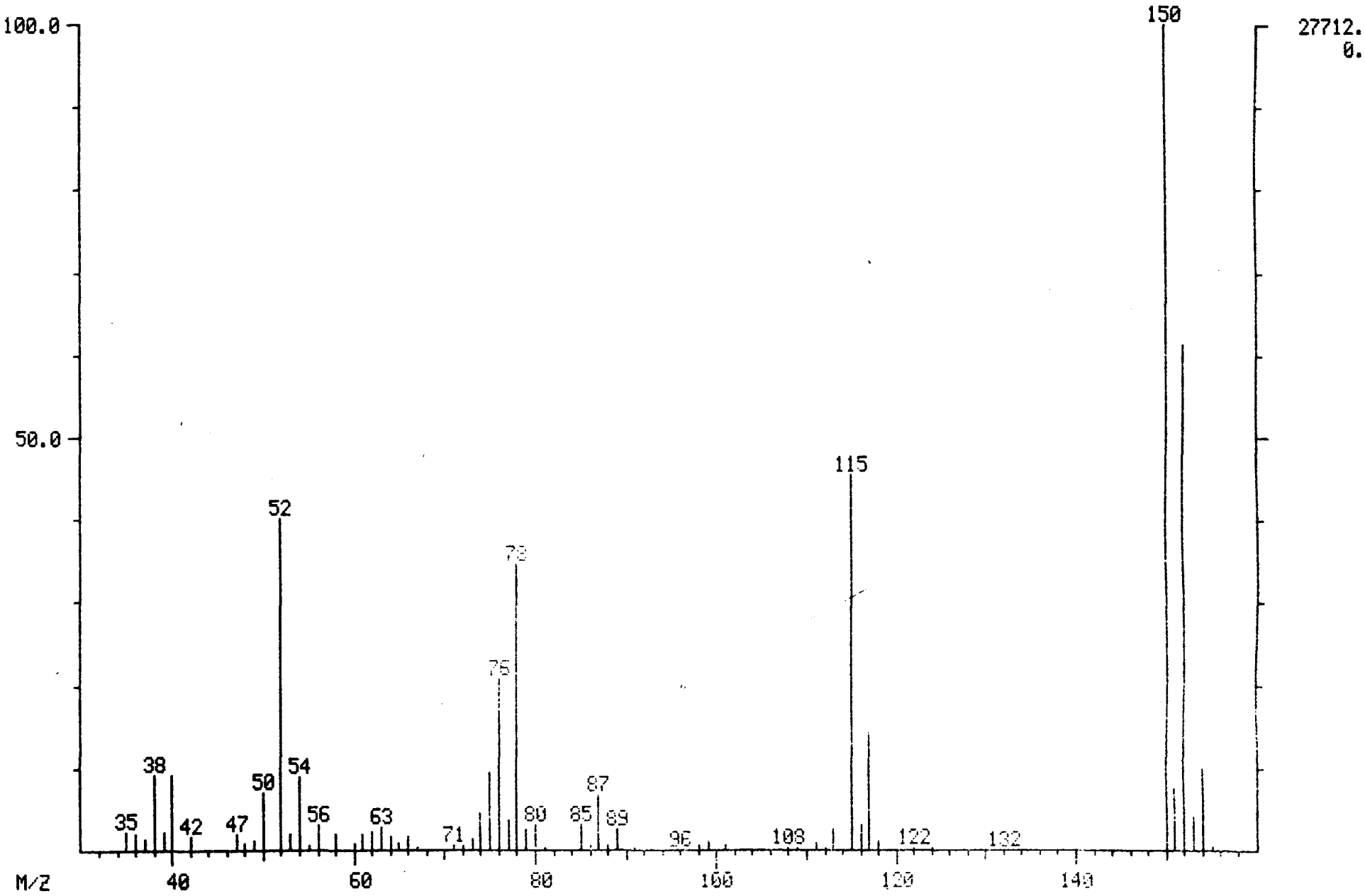


MASS SPECTRUM
04/19/91 11:22:00 + 11:51
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1195
CALI: APR19GK03 #3

BASE M/Z: 150
RIC: 126464.

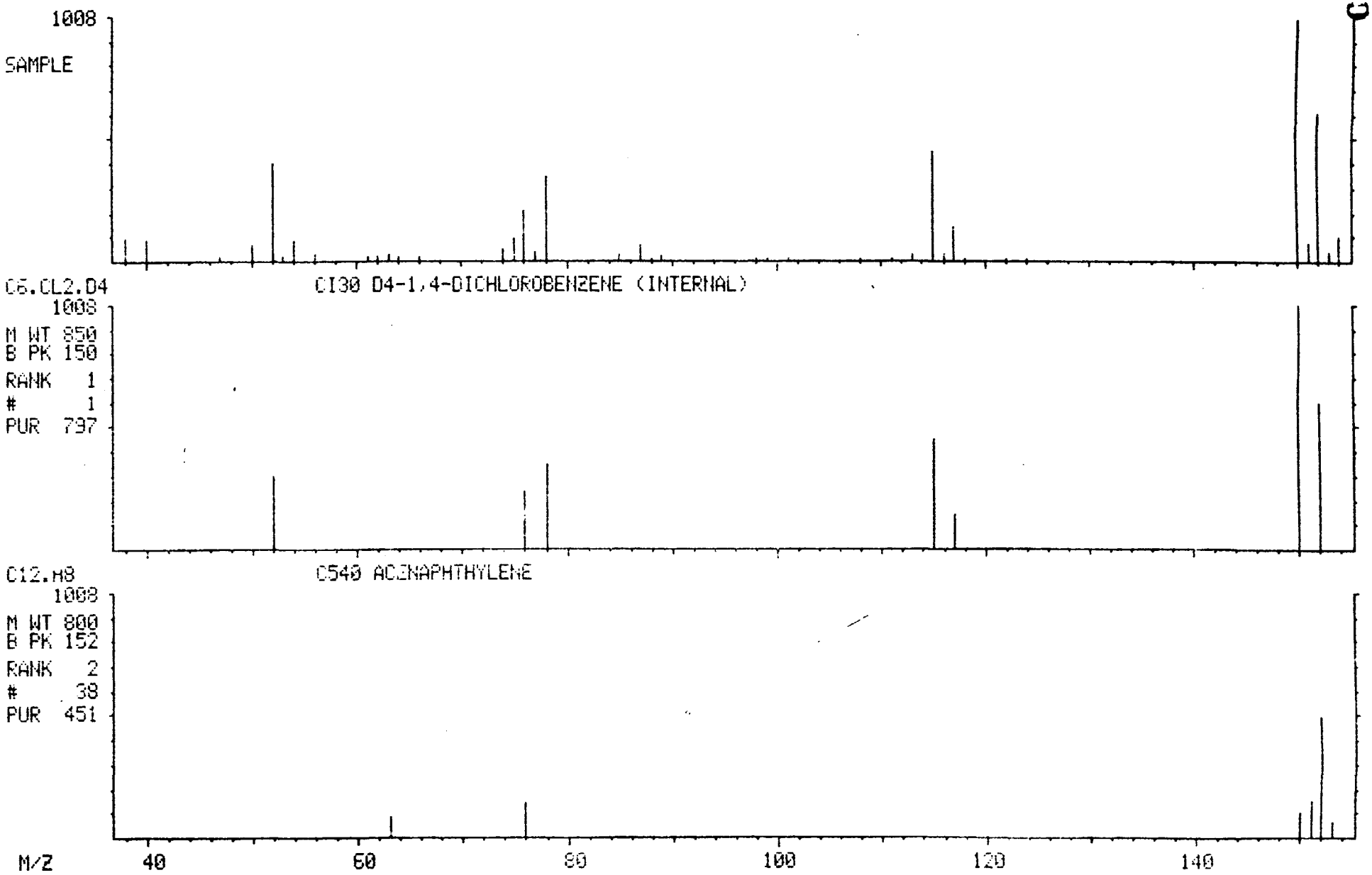
002423



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 11:51
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1195
CALI: APR19GK03 # 3

BASE M/Z: 150
RIC: 119296.

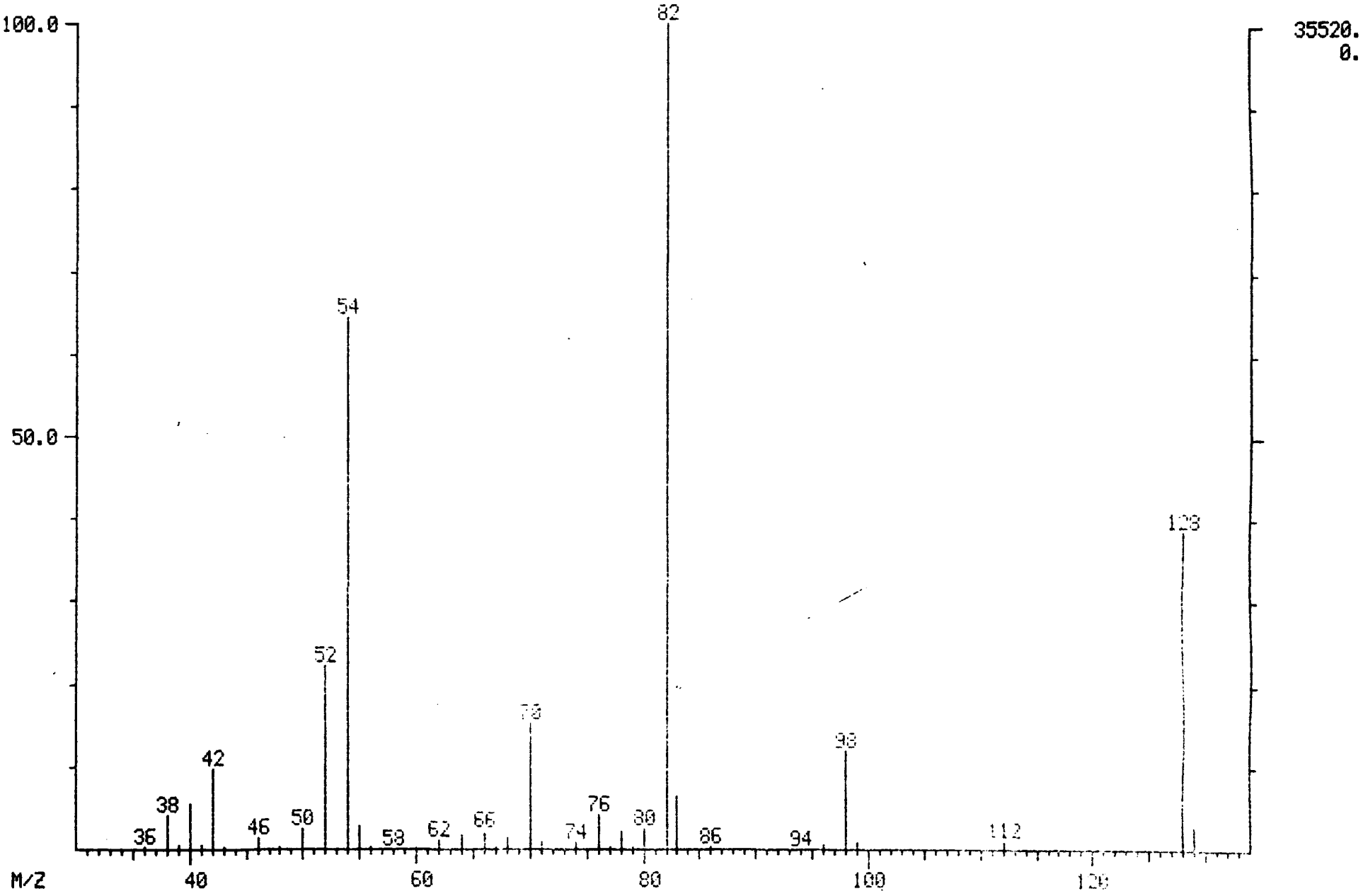


MASS SPECTRUM
04/19/91 11:22:00 + 13:15
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1336
CALI: APR19GK03 #3

BASE M/Z: 82
RIC: 110208.

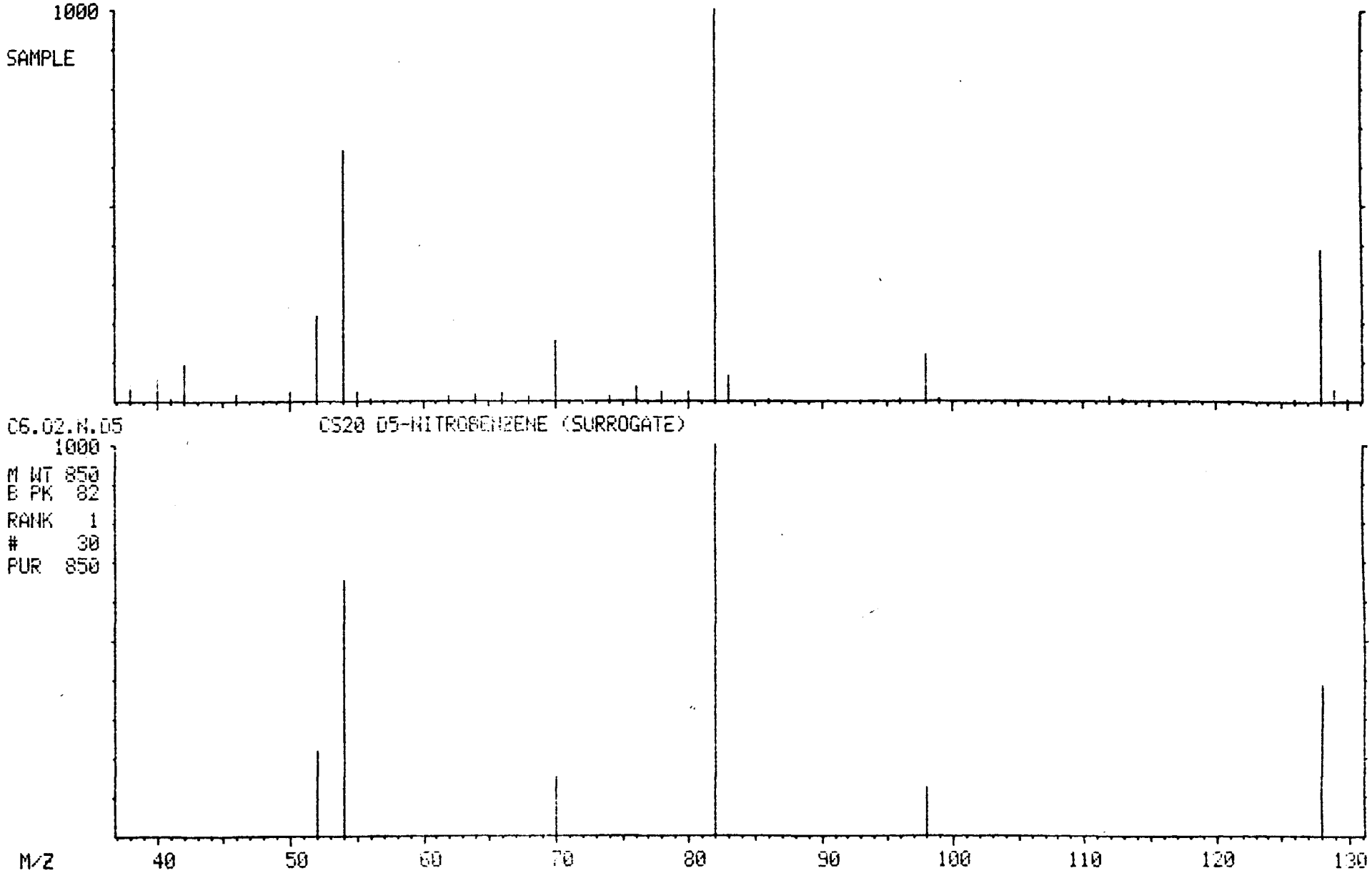
002425



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 13:15
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1336
CALI: APR19GK03 # 3

BASE M/Z: 82
RIC: 108800.

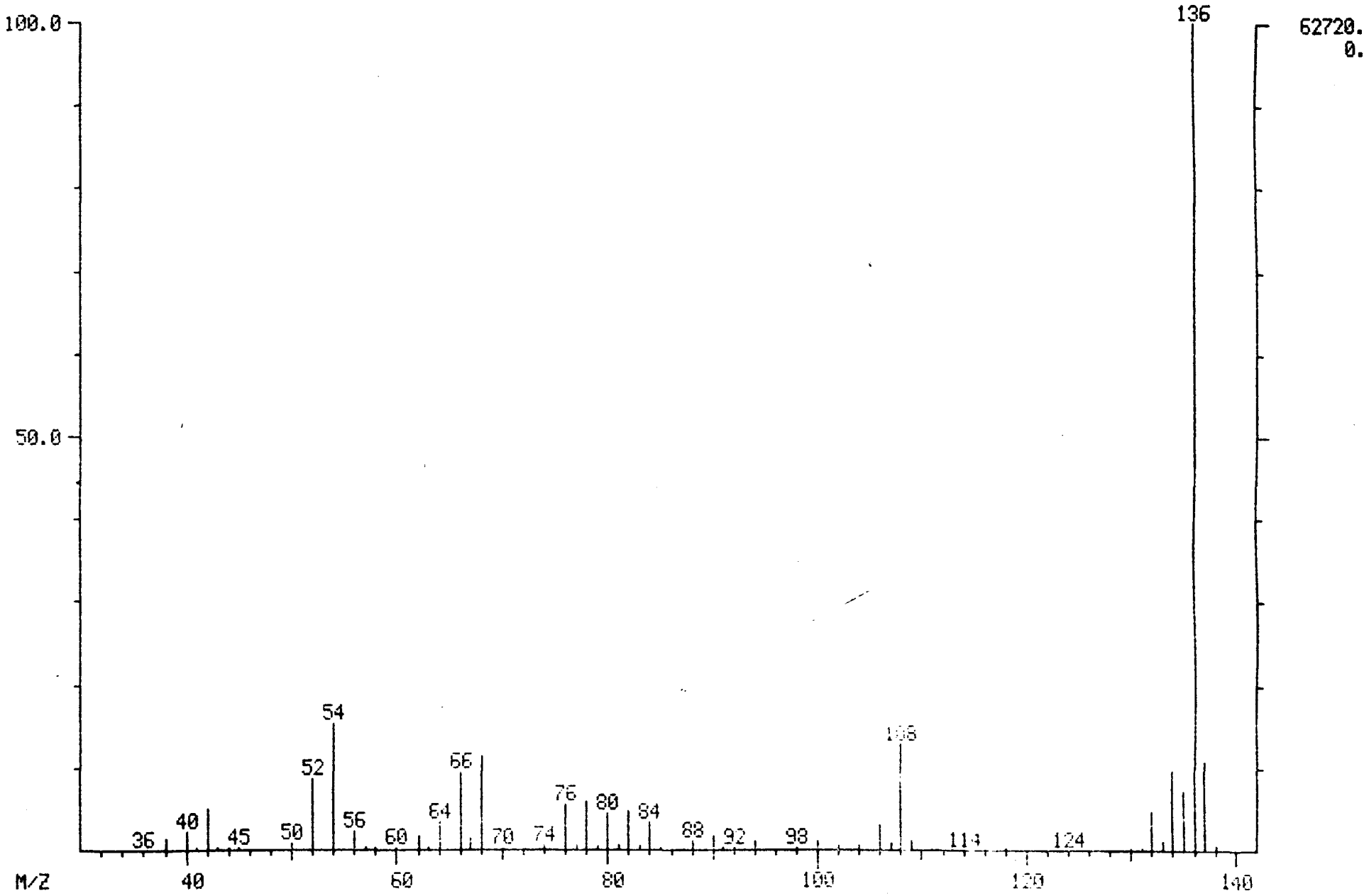


MASS SPECTRUM
04/19/91 11:22:00 + 15:01
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1515
CALI: APR19GK03 #3

BASE M/Z: 136
RIC: 157440.

002427

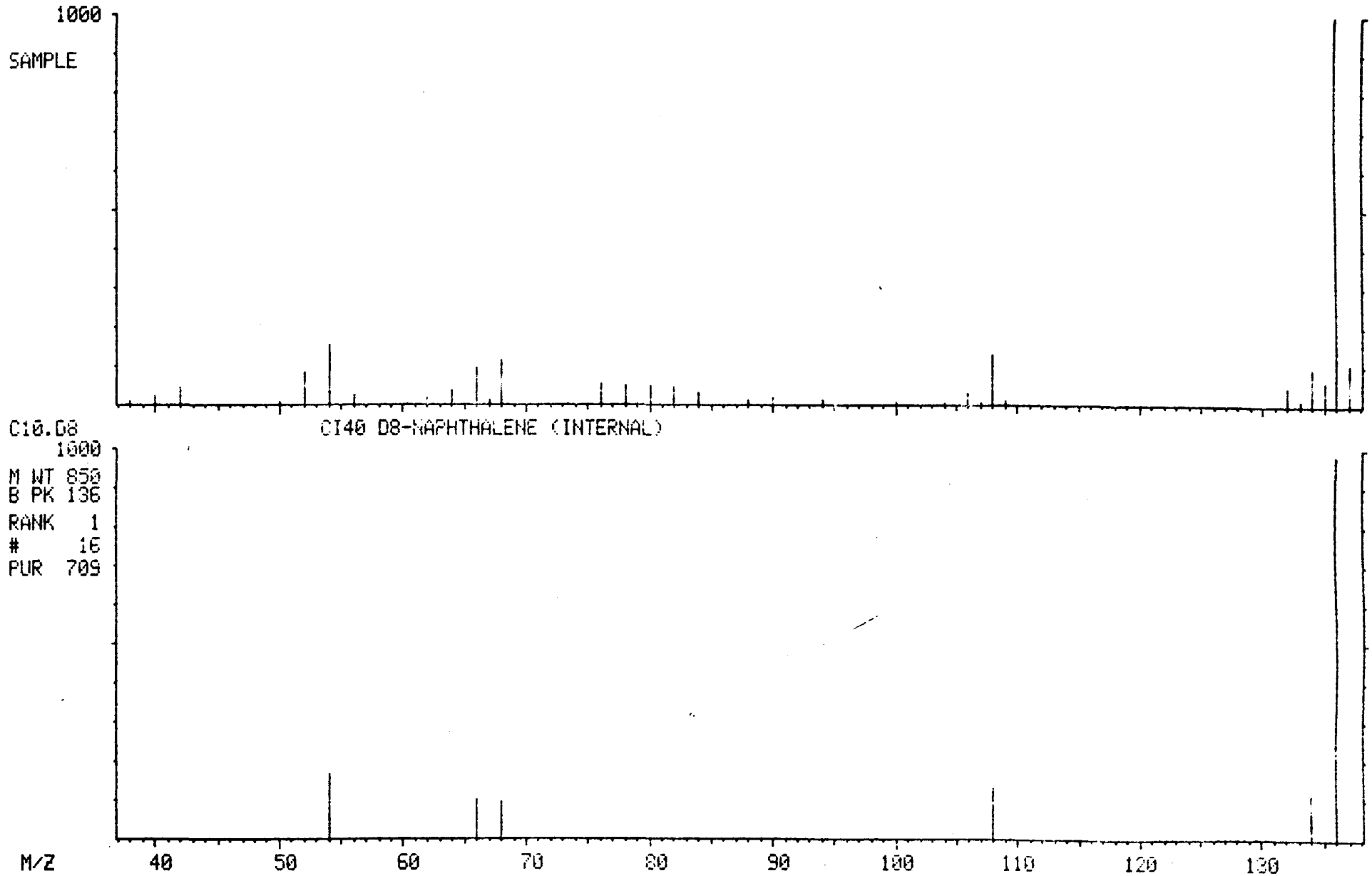


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 15:01
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1515
CALI: APR19GK03 # 3

BASE M/Z: 136
RIC: 152576.

002428

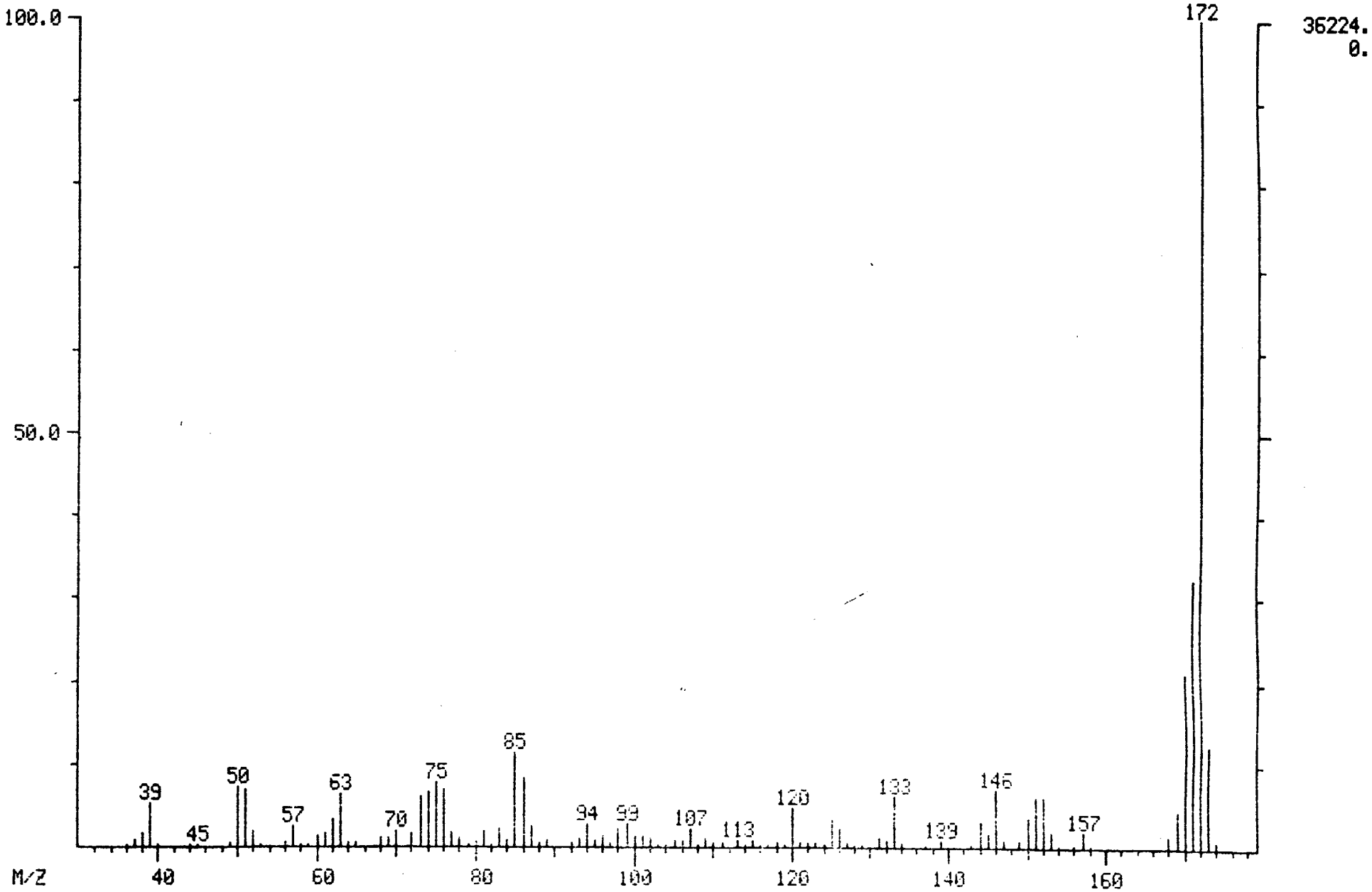


MASS SPECTRUM
04/19/91 11:22:00 + 17:49
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1798
CALI: APR19GK03 #3

BASE M/Z: 172
RIC: 131072.

002429

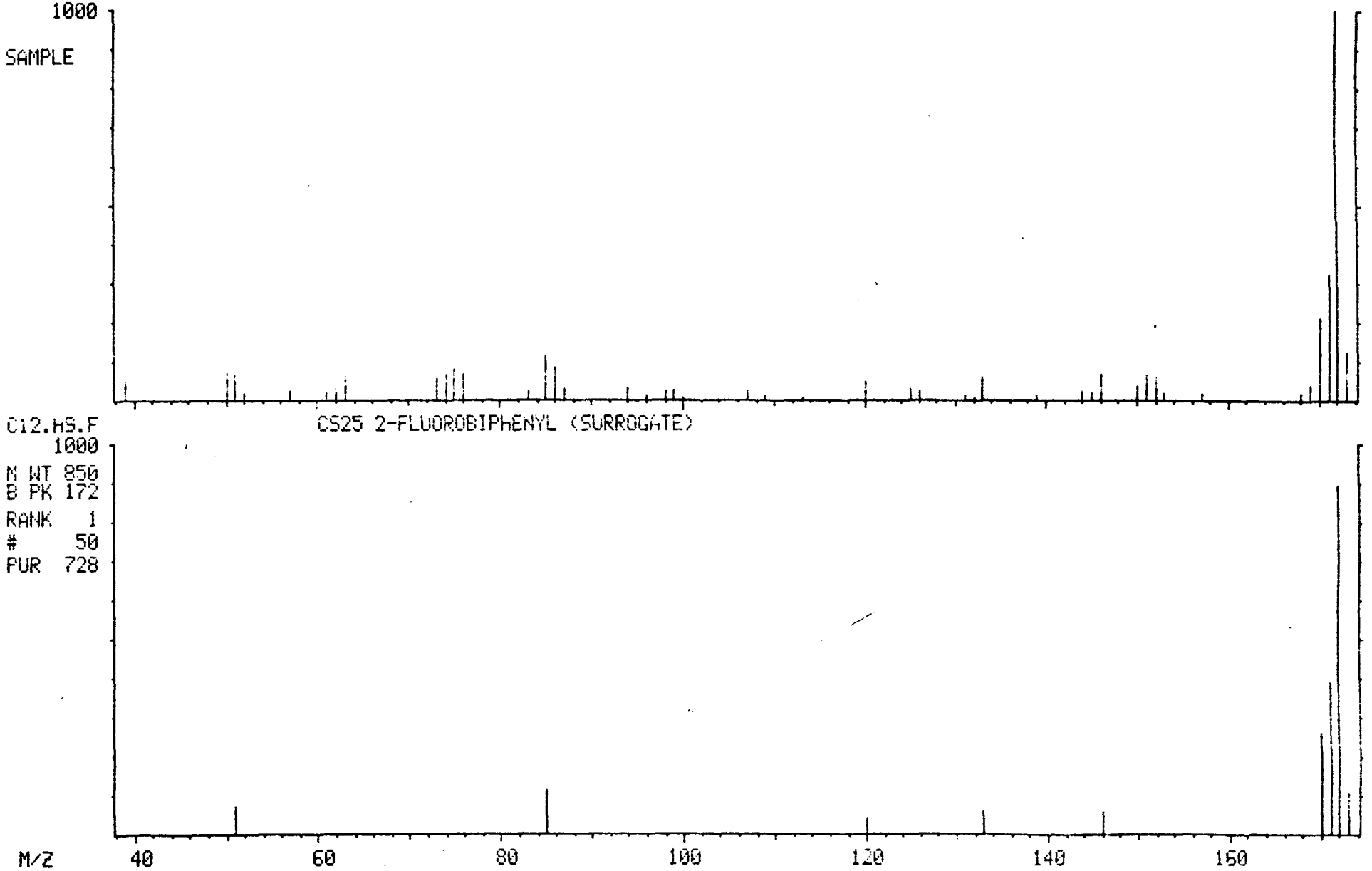


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 17:49
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1798
CALI: APR19GK03 # 3

BASE M/Z: 172
RIC: 116864.

C02430

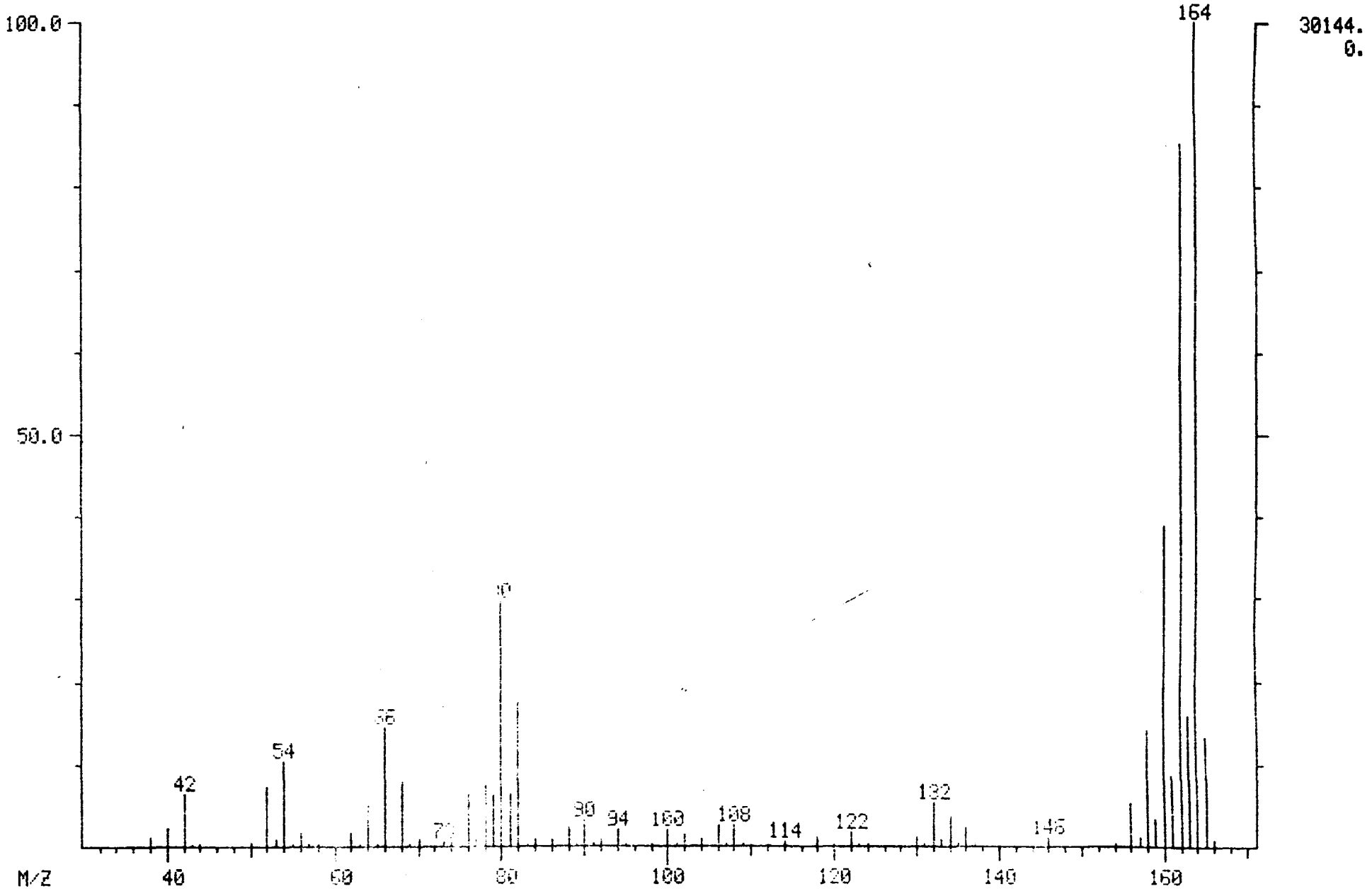


MASS SPECTRUM
04/19/91 11:22:00 + 19:35
SAMPLE: 90947 GFC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 158 2M 6T)

DATA: APR19GK03 #1975
CALI: APR19GK03 #3

BASE M/Z: 164
RIC: 140544.

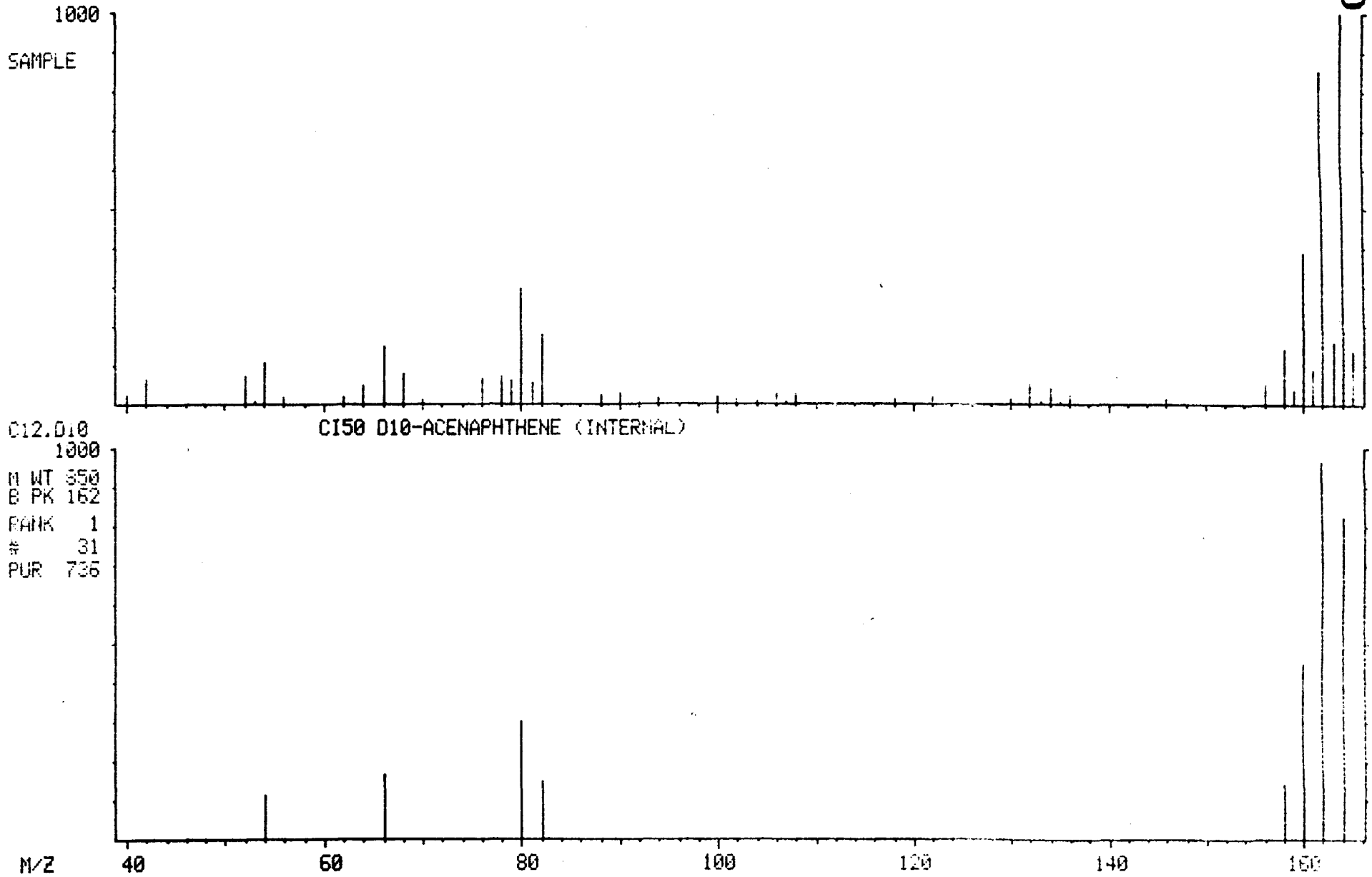
002431



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 19:35
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1975
CALI: APR19GK03 # 3

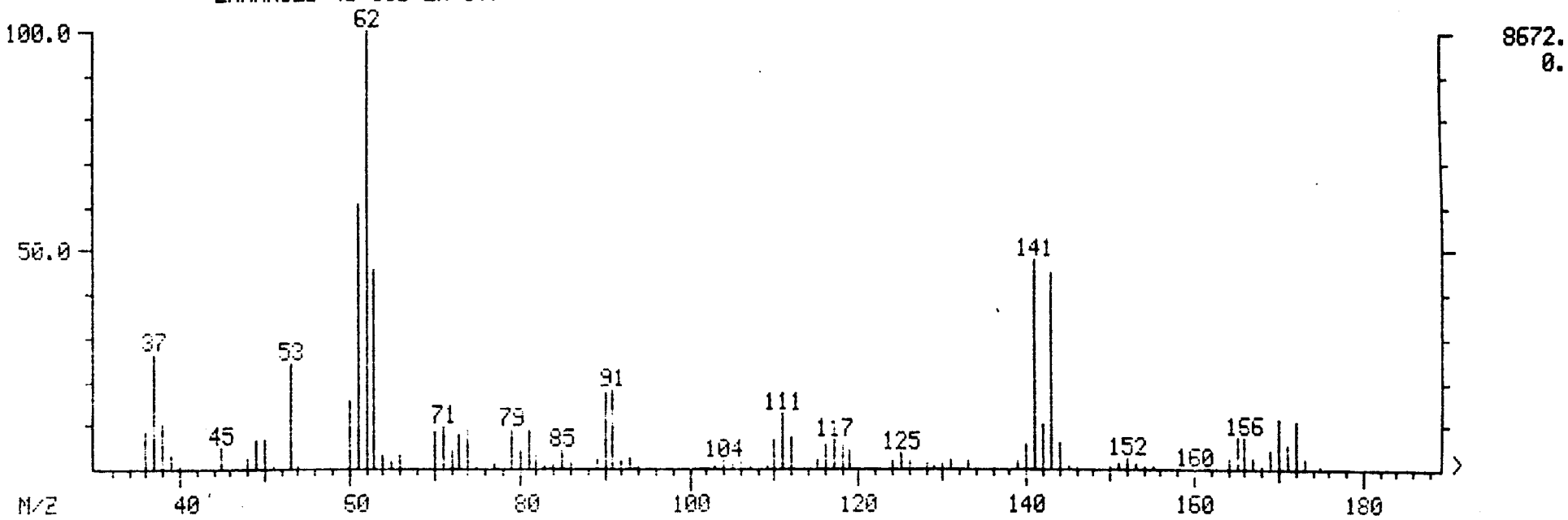
BASE M/Z: 164
RIC: 136192.

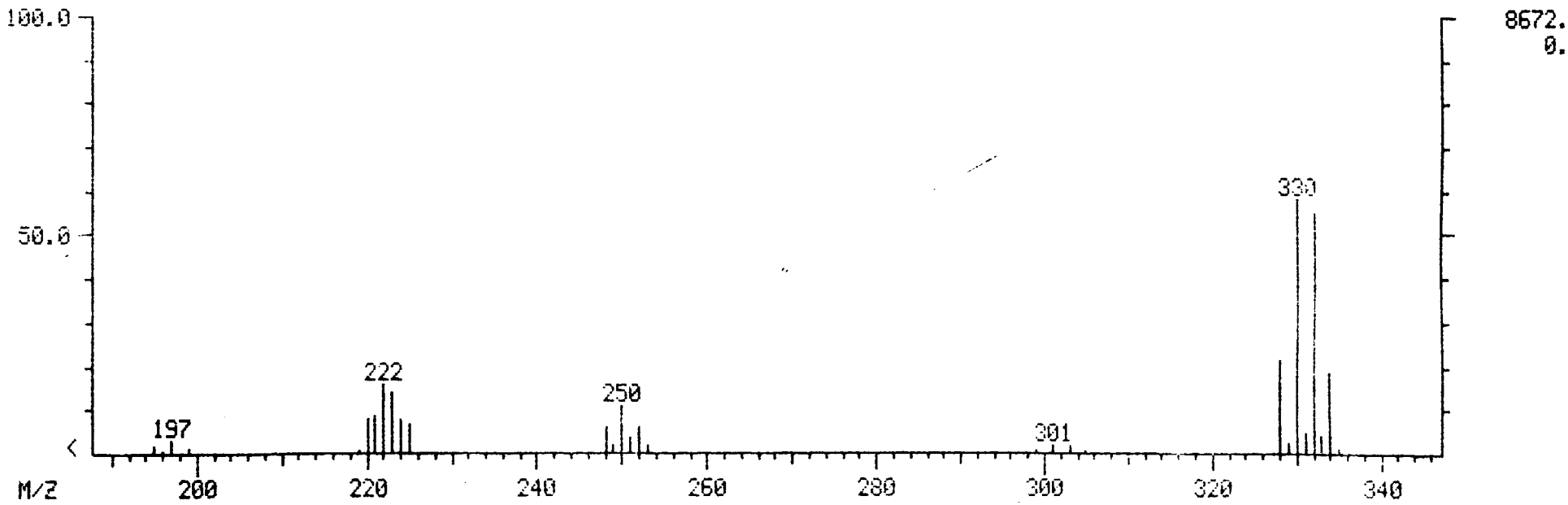


MASS SPECTRUM
04/19/91 11:22:00 + 21:38
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2183
CALI: APR19GK03 #3

BASE M/Z: 62
RIC: 83072.



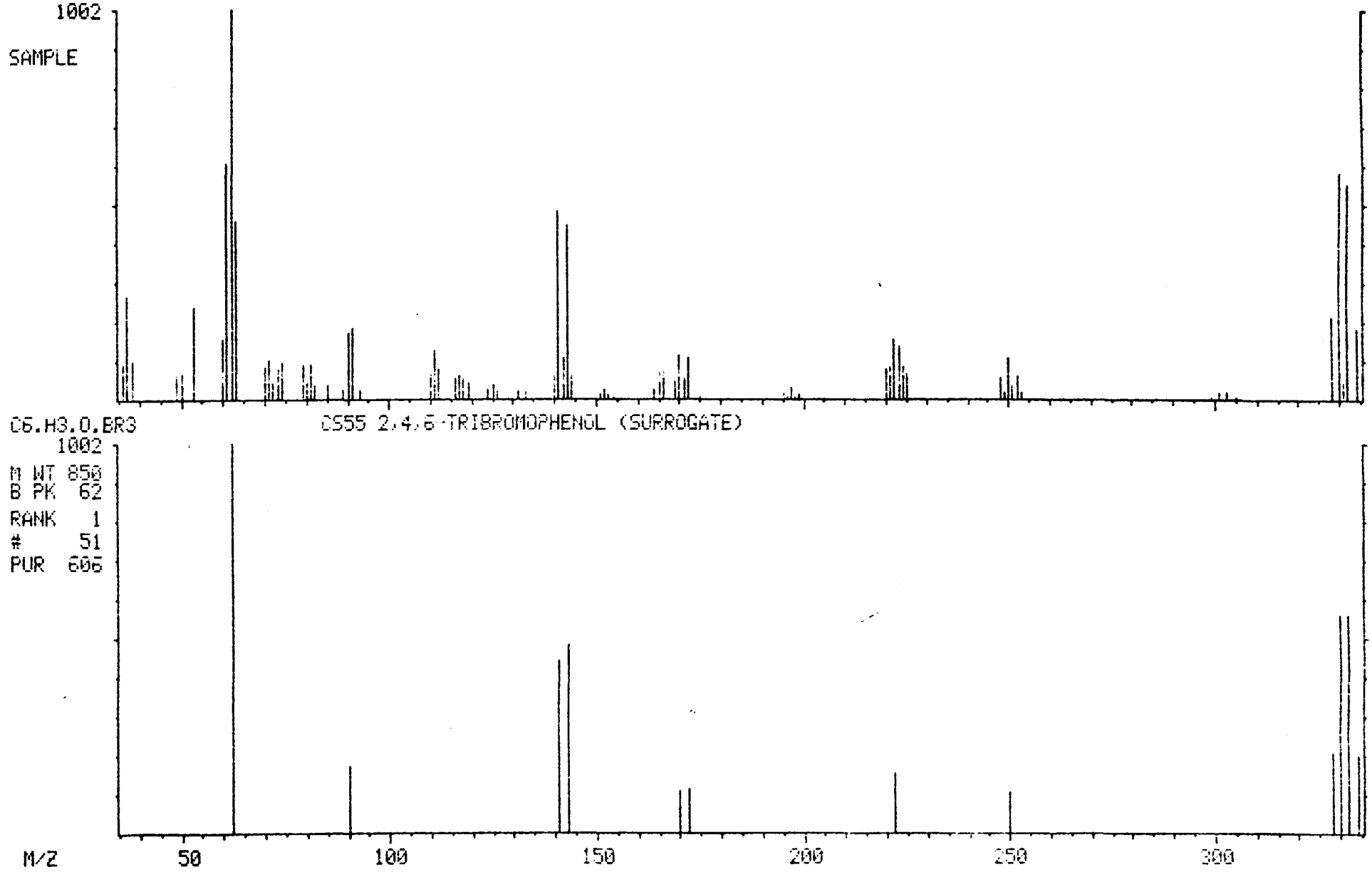


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 21:38
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2183
CALI: APR19GK03 # 3

BASE M/Z: 62
RIC: 78208.

002434

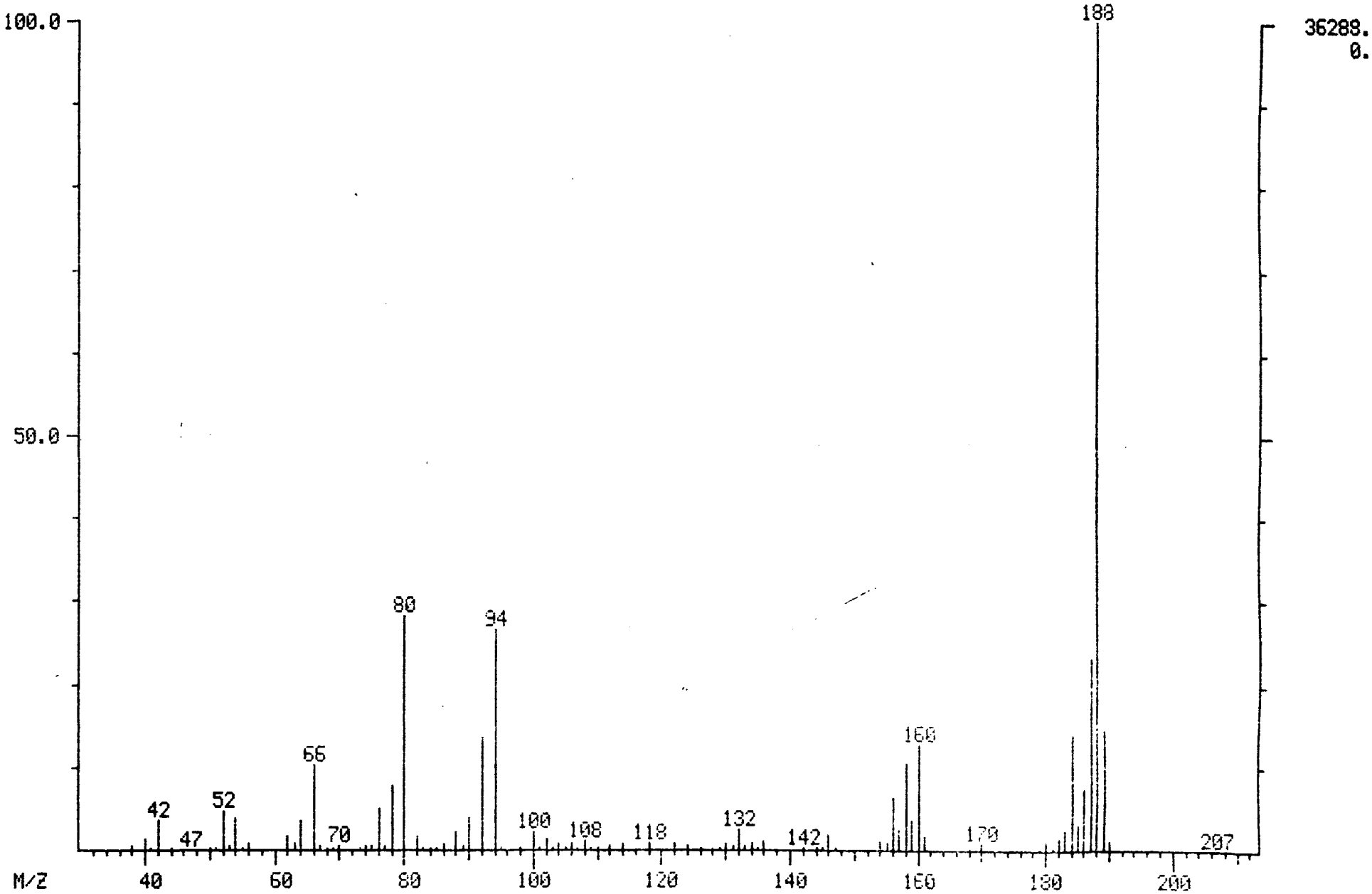


MASS SPECTRUM
04/19/91 11:22:00 + 23:25
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2363
CALI: APR19GK03 #3

BASE M/Z: 188
RIC: 131328.

C02435

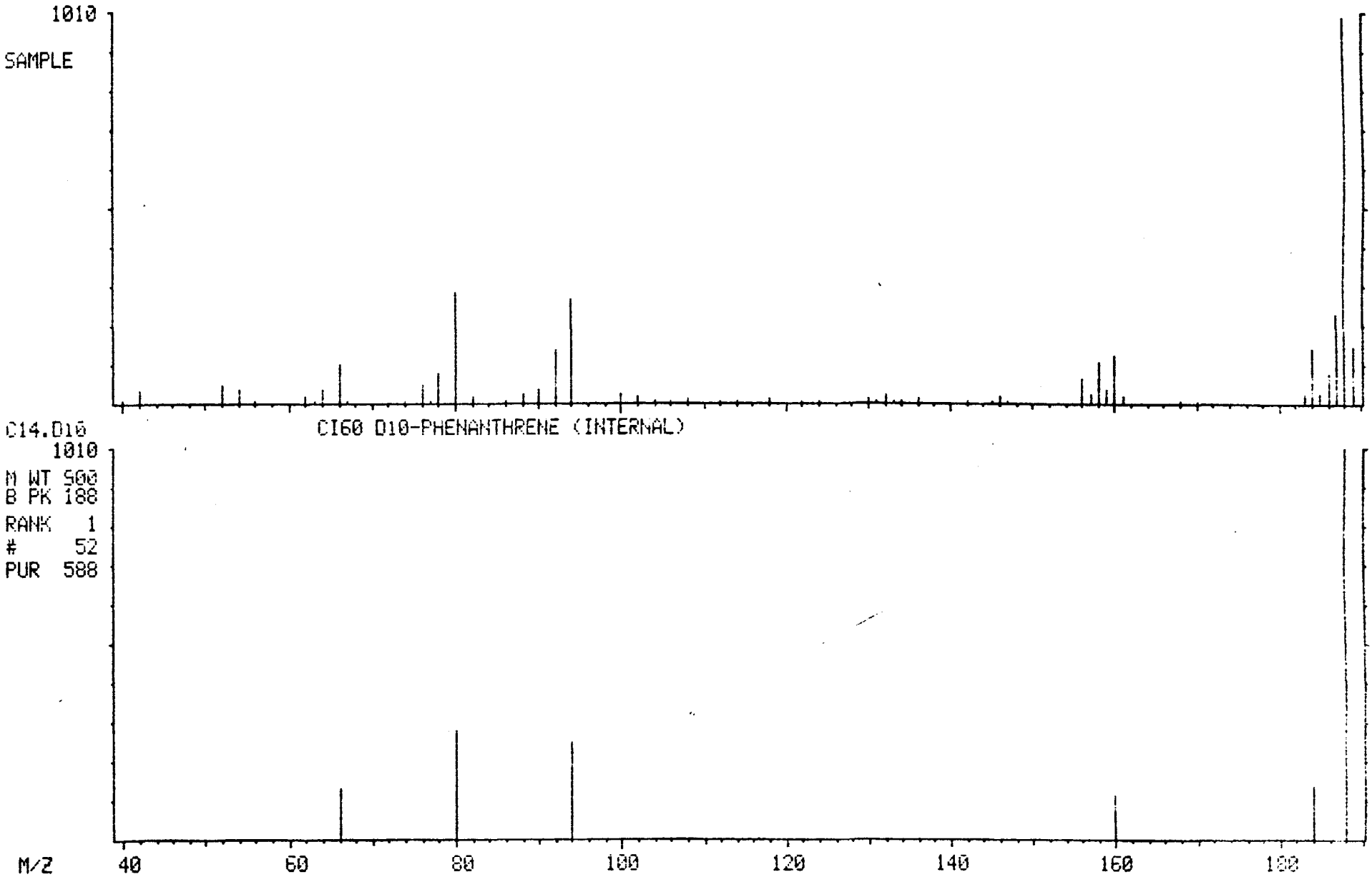


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 23:25
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2363
CALI: APR19GK03 # 3

BASE M/Z: 188
RIC: 125056.

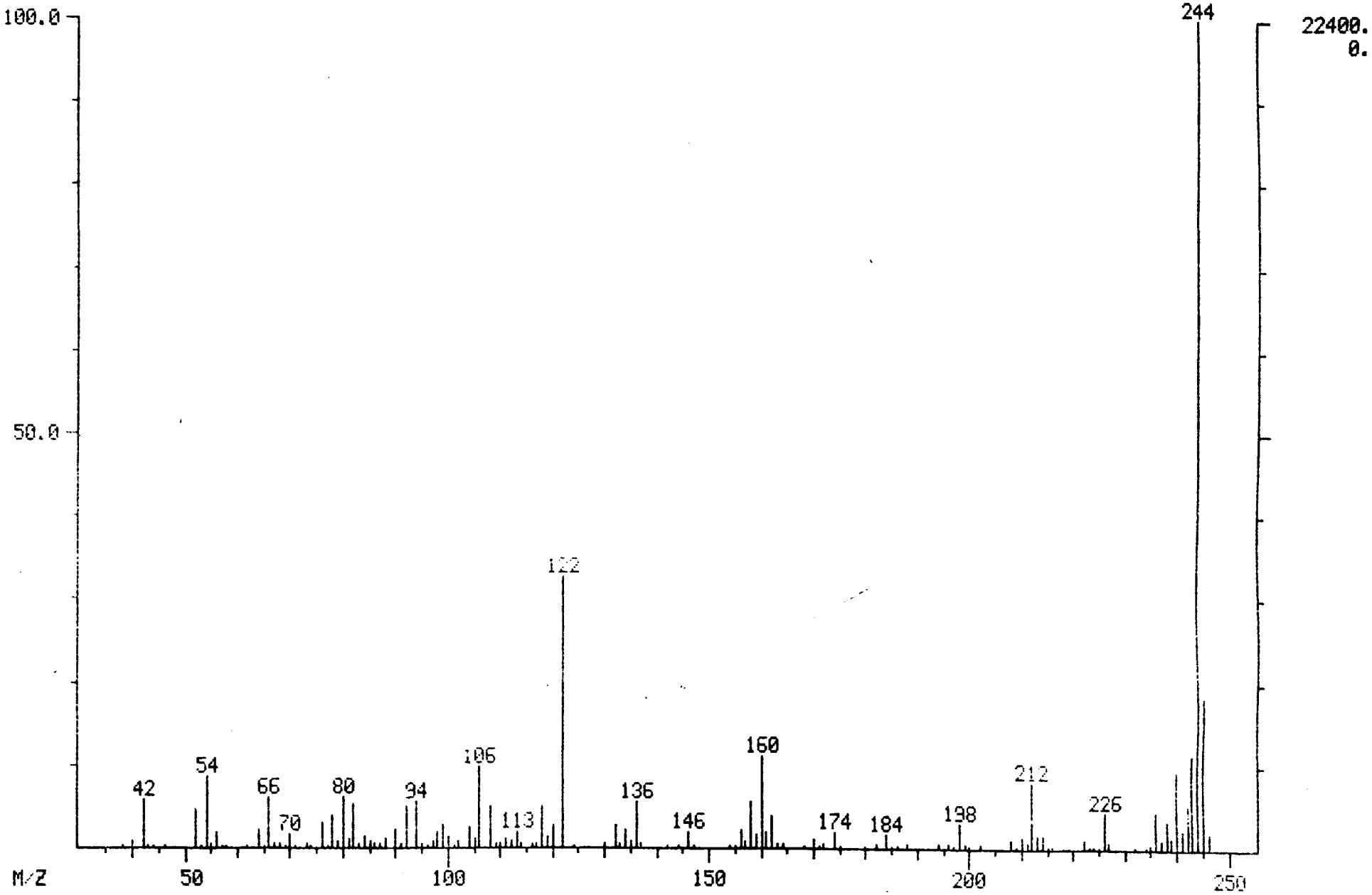
002436



MASS SPECTRUM
04/19/91 11:22:00 + 27:36
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2785
CALI: APR19GK03 #3

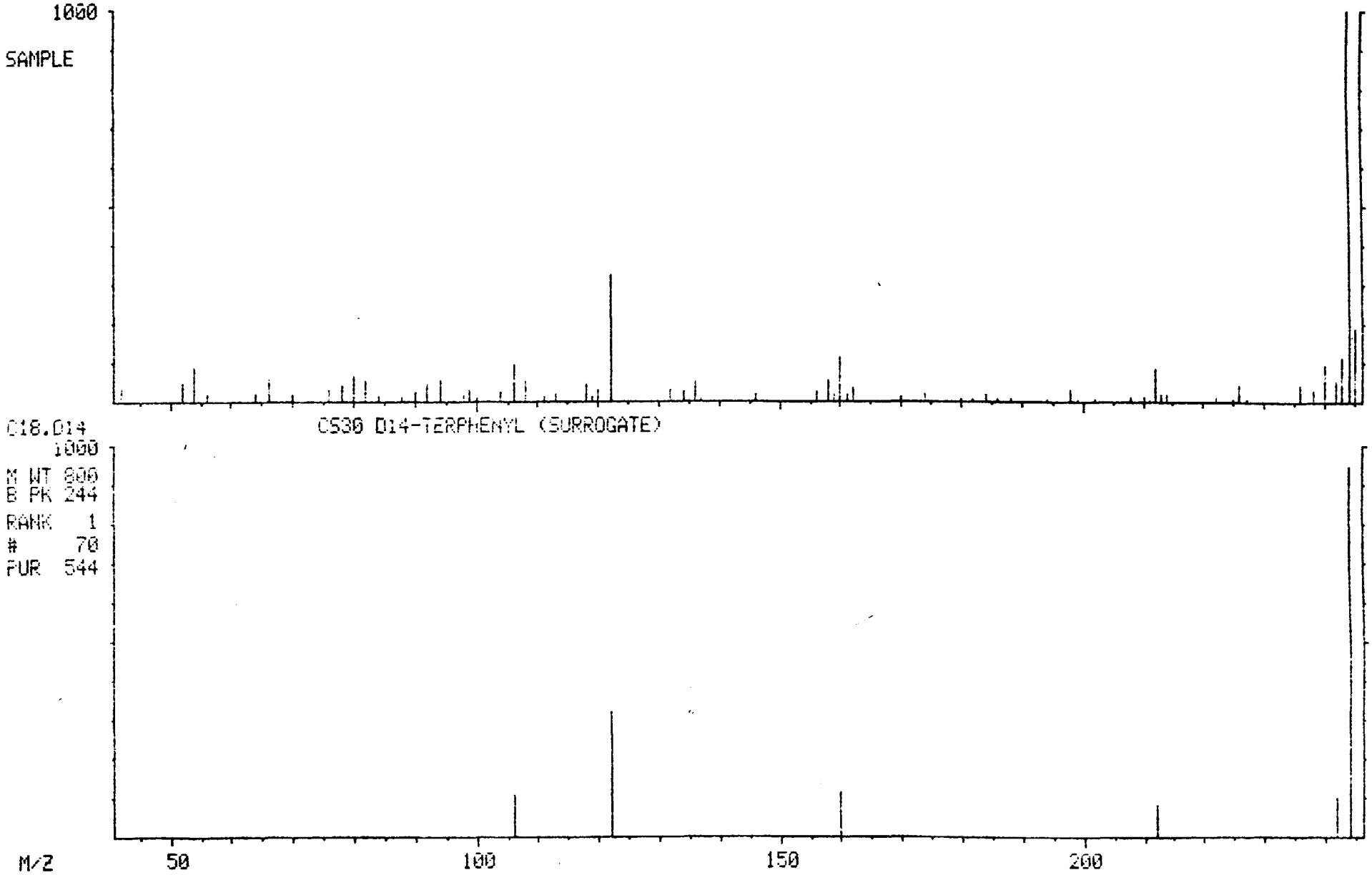
BASE M/Z: 244
RIC: 88064.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 27:36
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #2785
CALI: APR19GK03 # 3

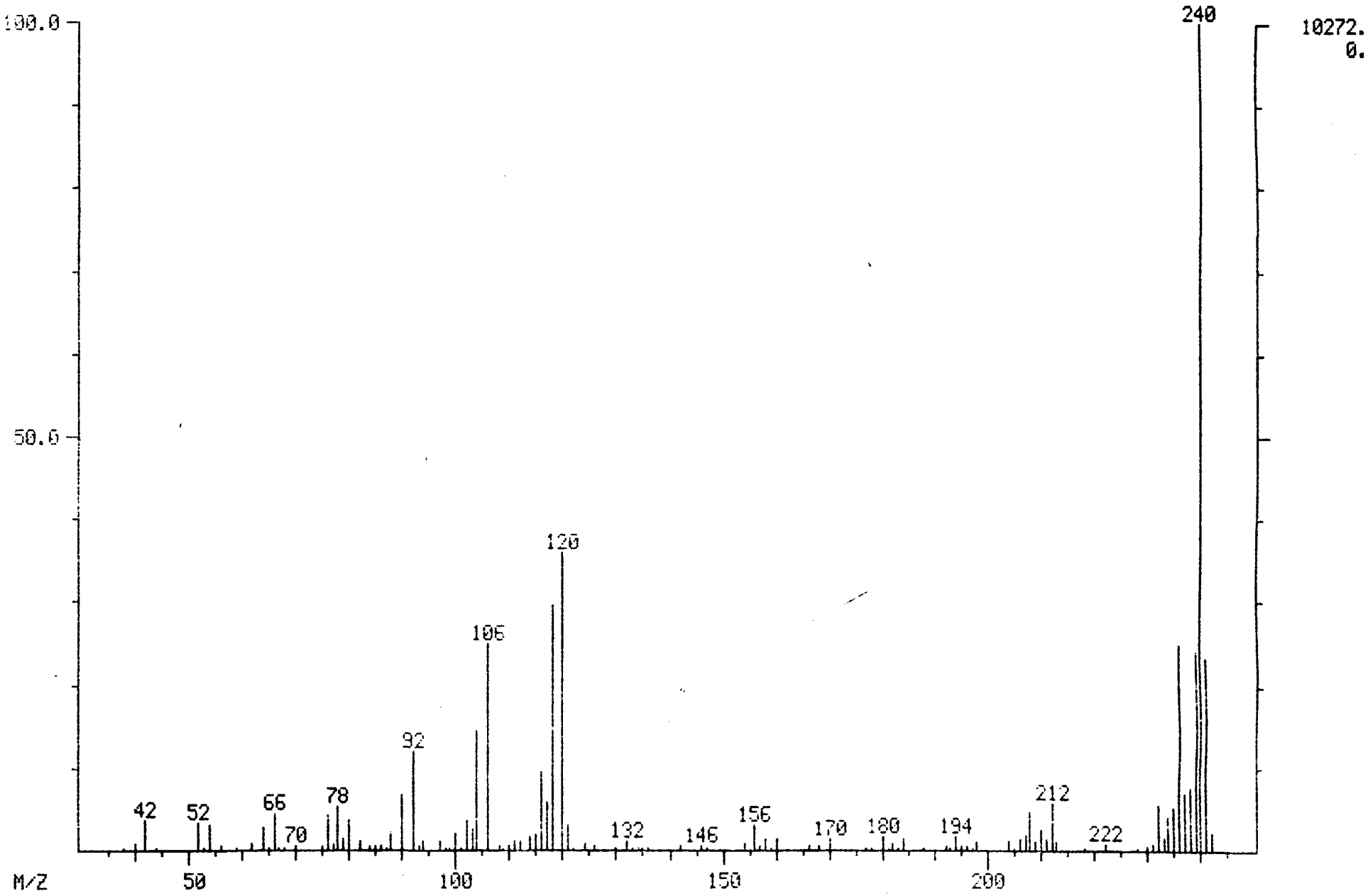
BASE M/Z: 244
RIC: 80384.



MASS SPECTRUM
04/19/91 11:22:00 + 31:12
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #3148
CALI: APR19GK03 #3

BASE M/Z: 240
RIC: 47296.

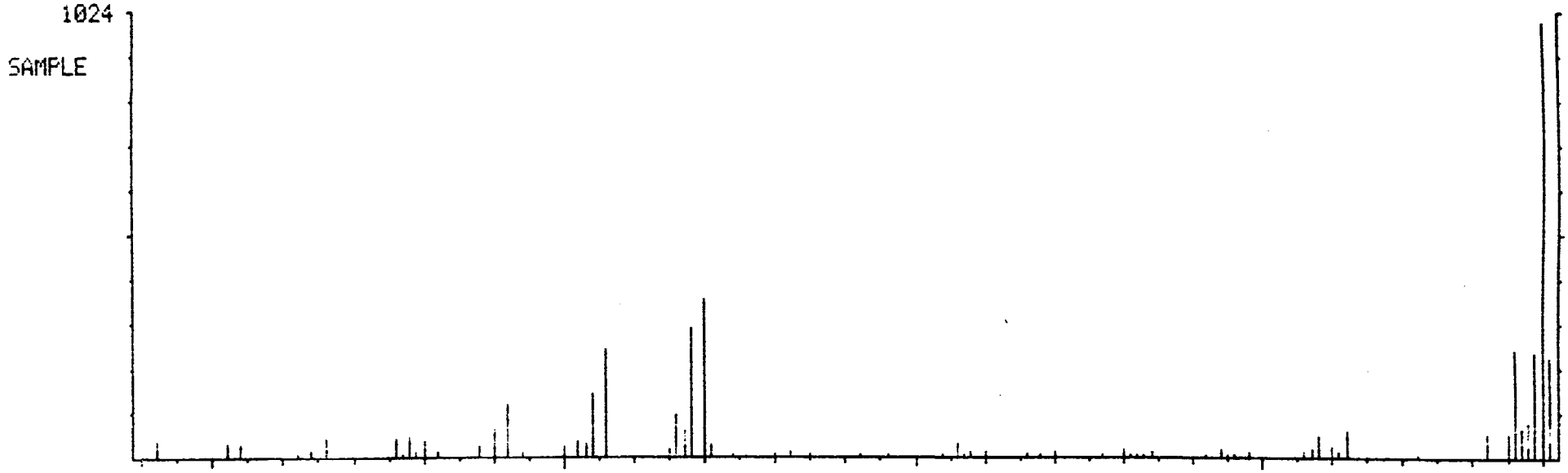


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 31:12
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

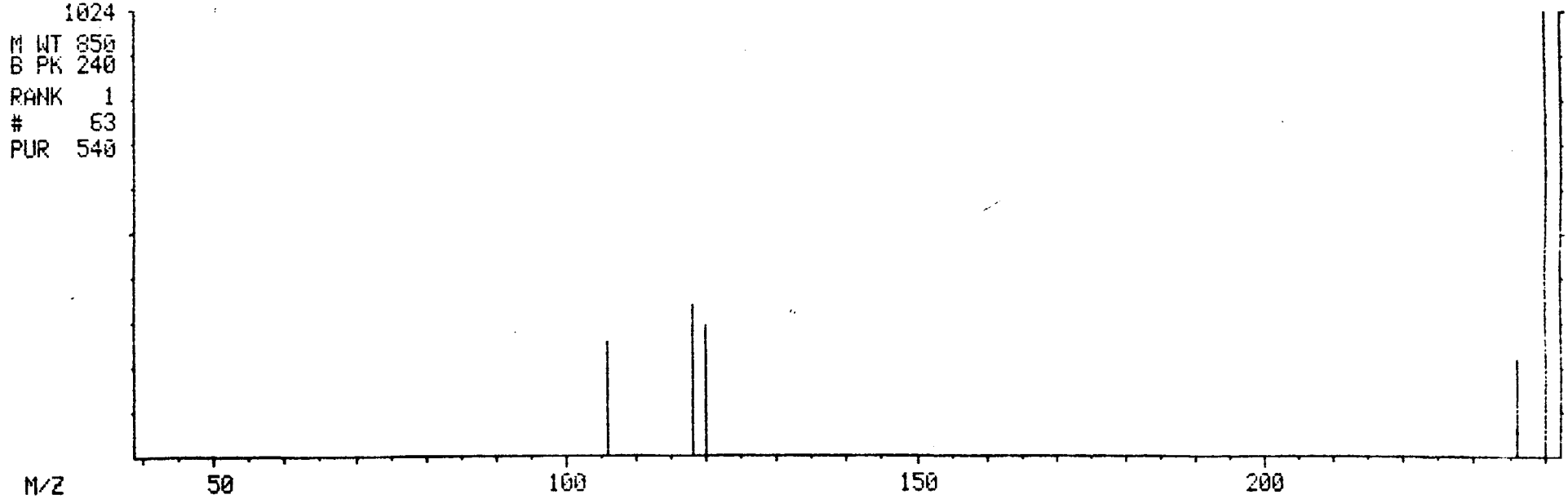
DATA: APR19GK03 #3148
CALI: APR19GK03 # 3

BASE M/Z: 240
RIC: 44224.

00242.00



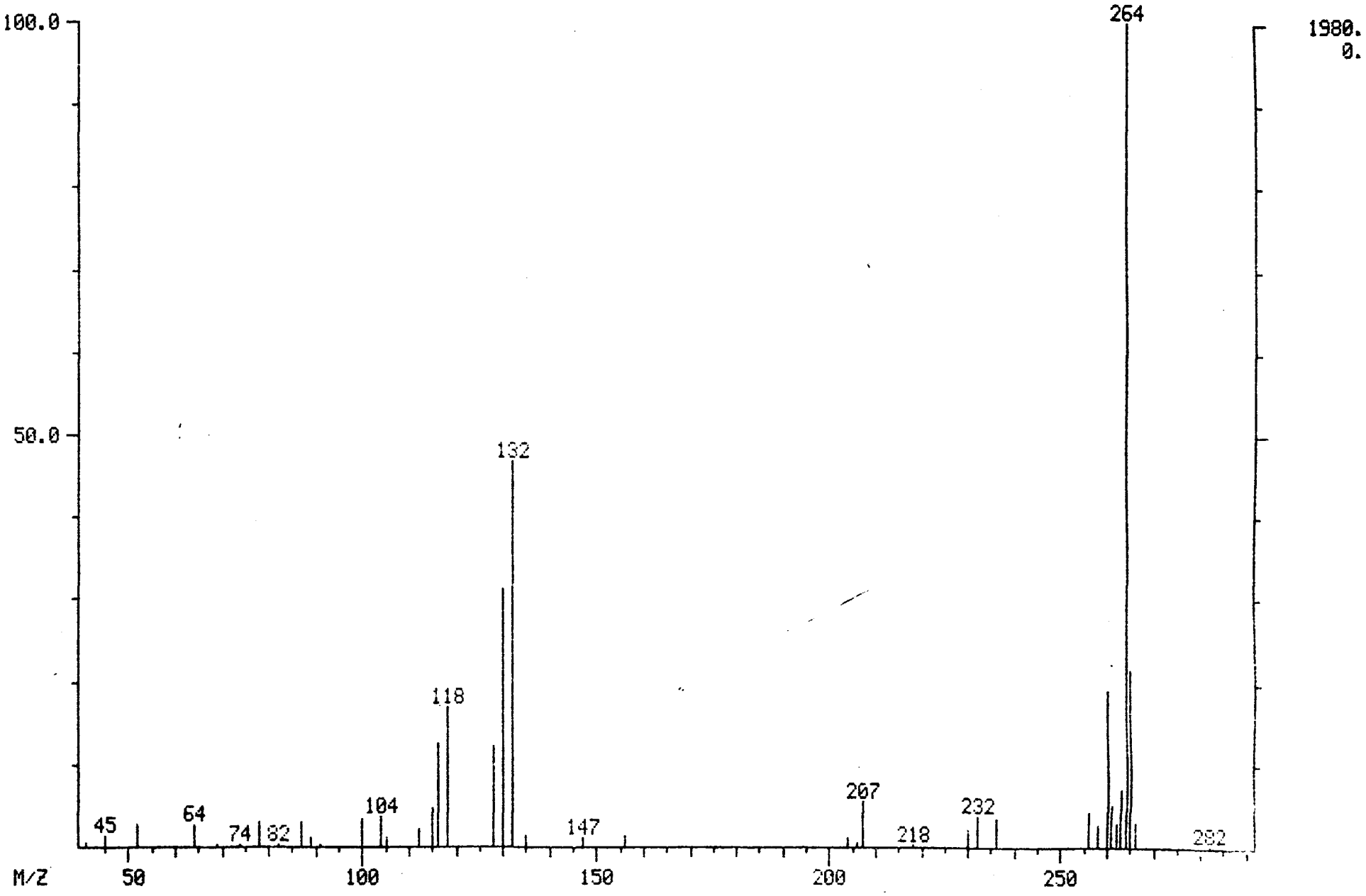
C18.D12 CI70 D12-CHRYSENE (INTERNAL)



MASS SPECTRUM
04/19/91 11:22:00 + 40:23
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #4074
CALI: APR19GK03 #3

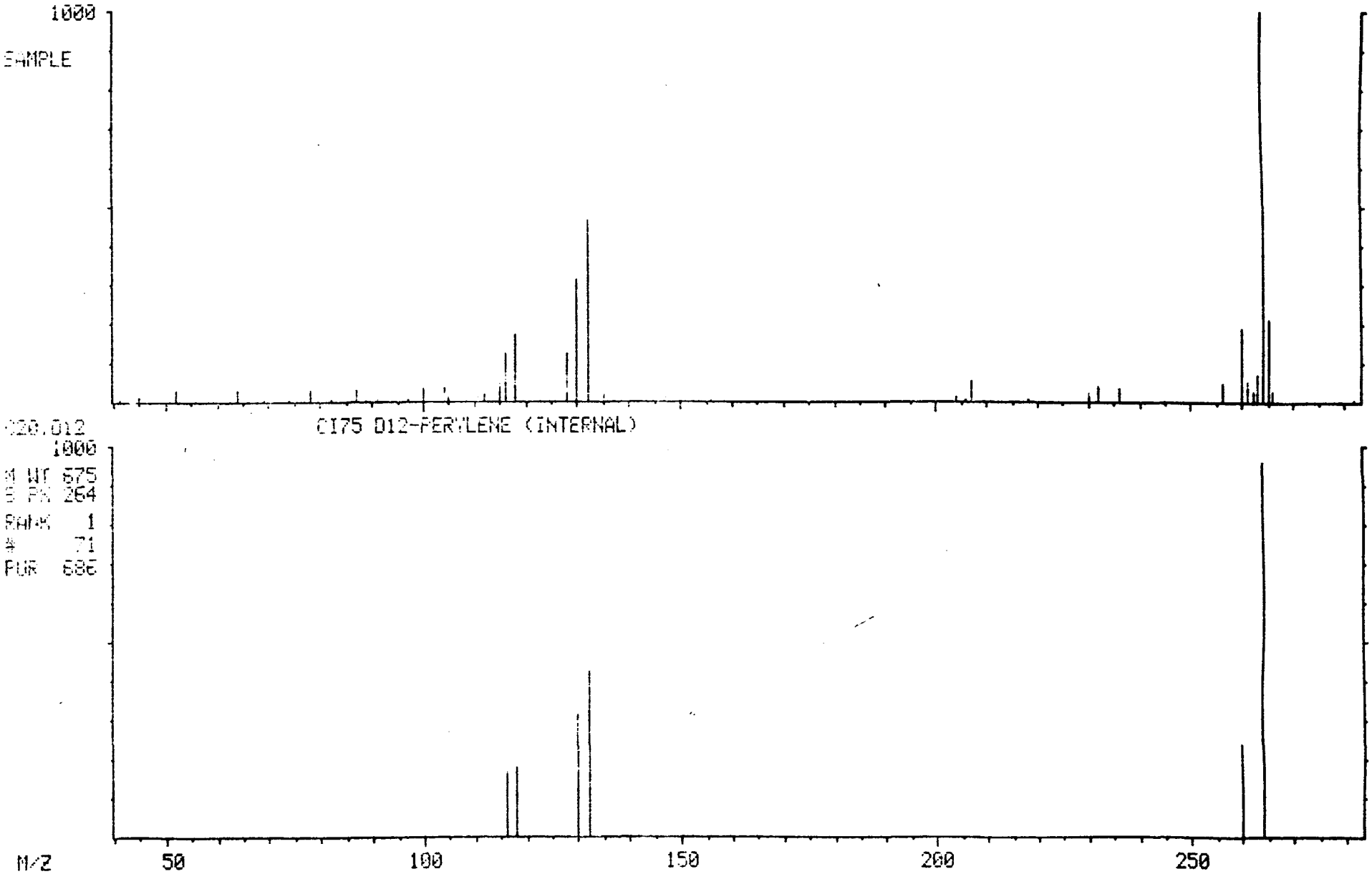
BASE M/Z: 264
RIC: 6704.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 11:22:00 + 40:23
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #4074
CALI: APR19GK03 # 3

BASE M/Z: 264
RIC: 6648.

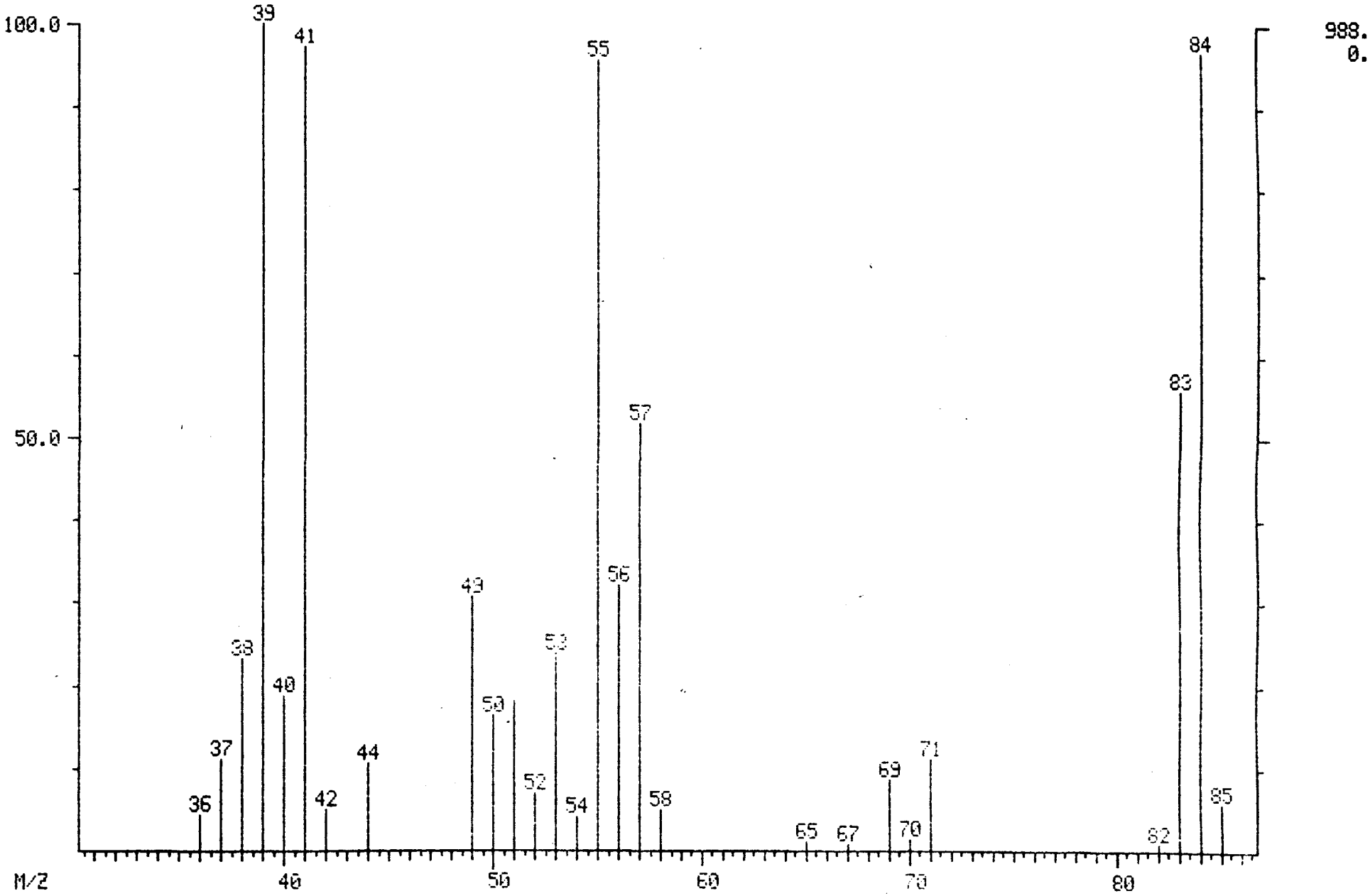


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 11:22:00 + 6:41
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 66 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #674
CALI: APR19GK03 #3

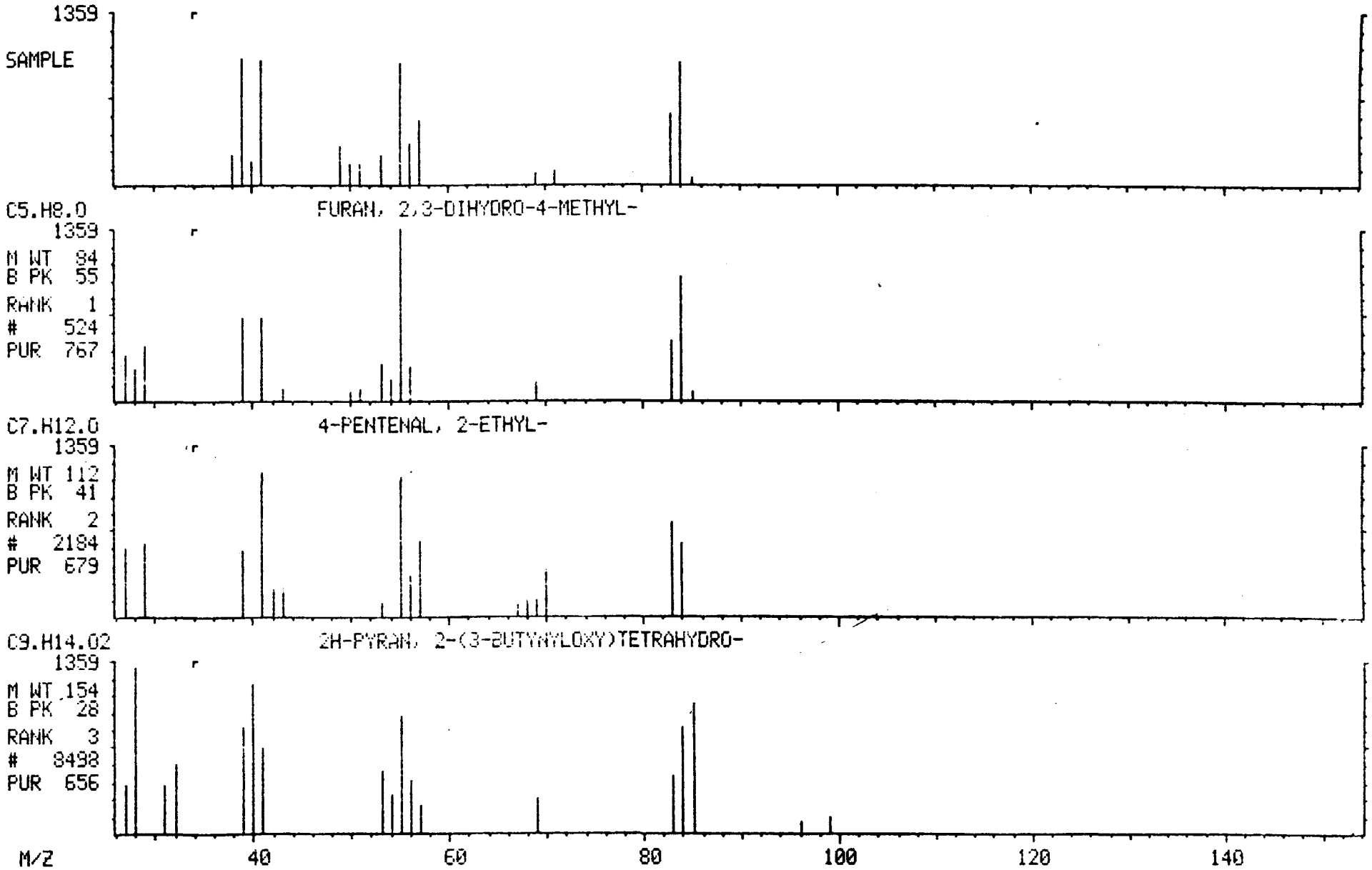
BASE M/Z: 39
RIC: 7296.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 6:41
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 674
CALI: APR19GK03 # 3

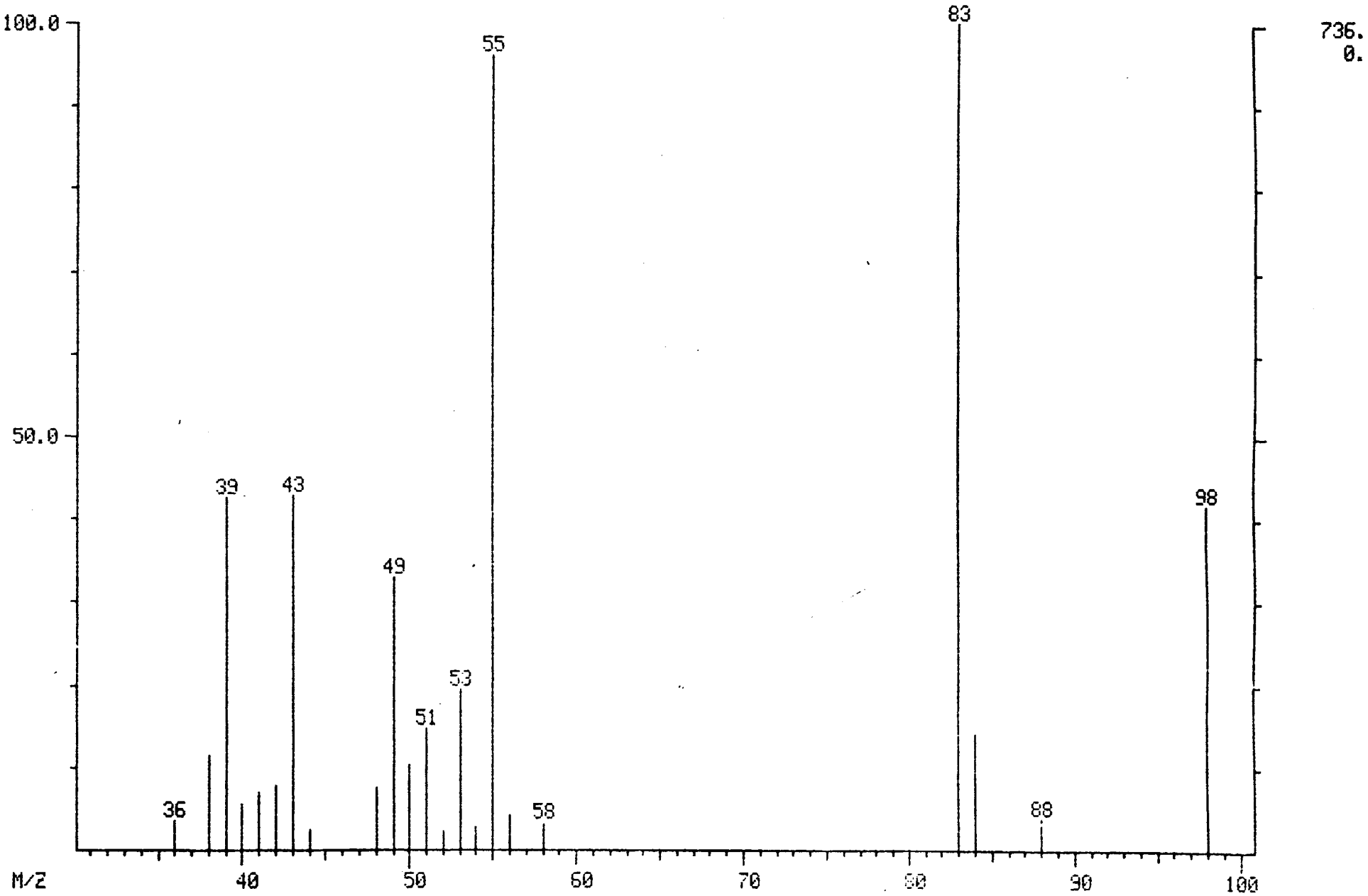
BASE M/Z: 39
RIC: 6784.



MASS SPECTRUM
04/19/91 11:22:00 + 7:03
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 70 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #712
CALI: APR19GK03 #3

BASE M/Z: 83
RIC: 3508.

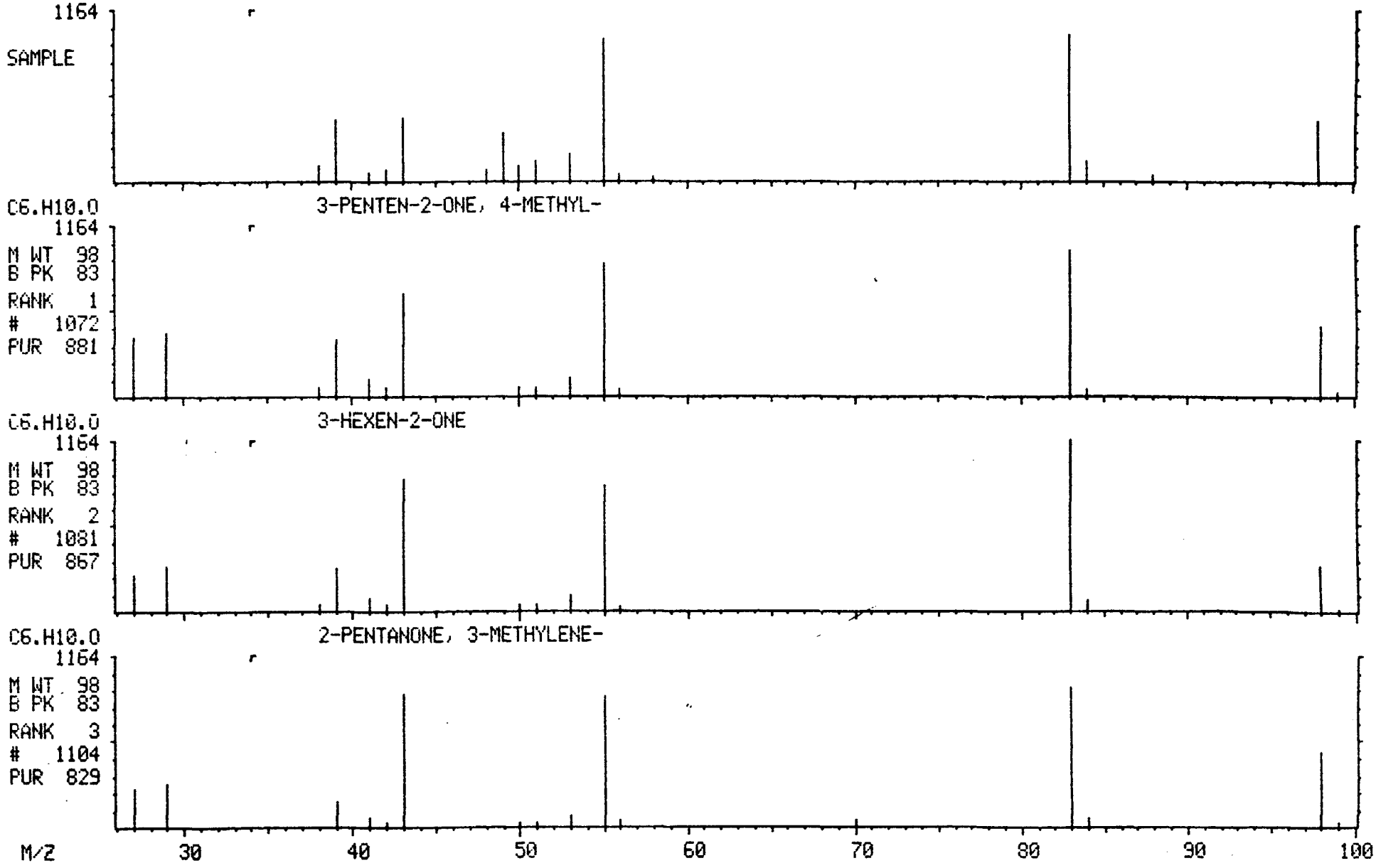


002146

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 7:03
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 712
CALI: APR19GK03 # 3

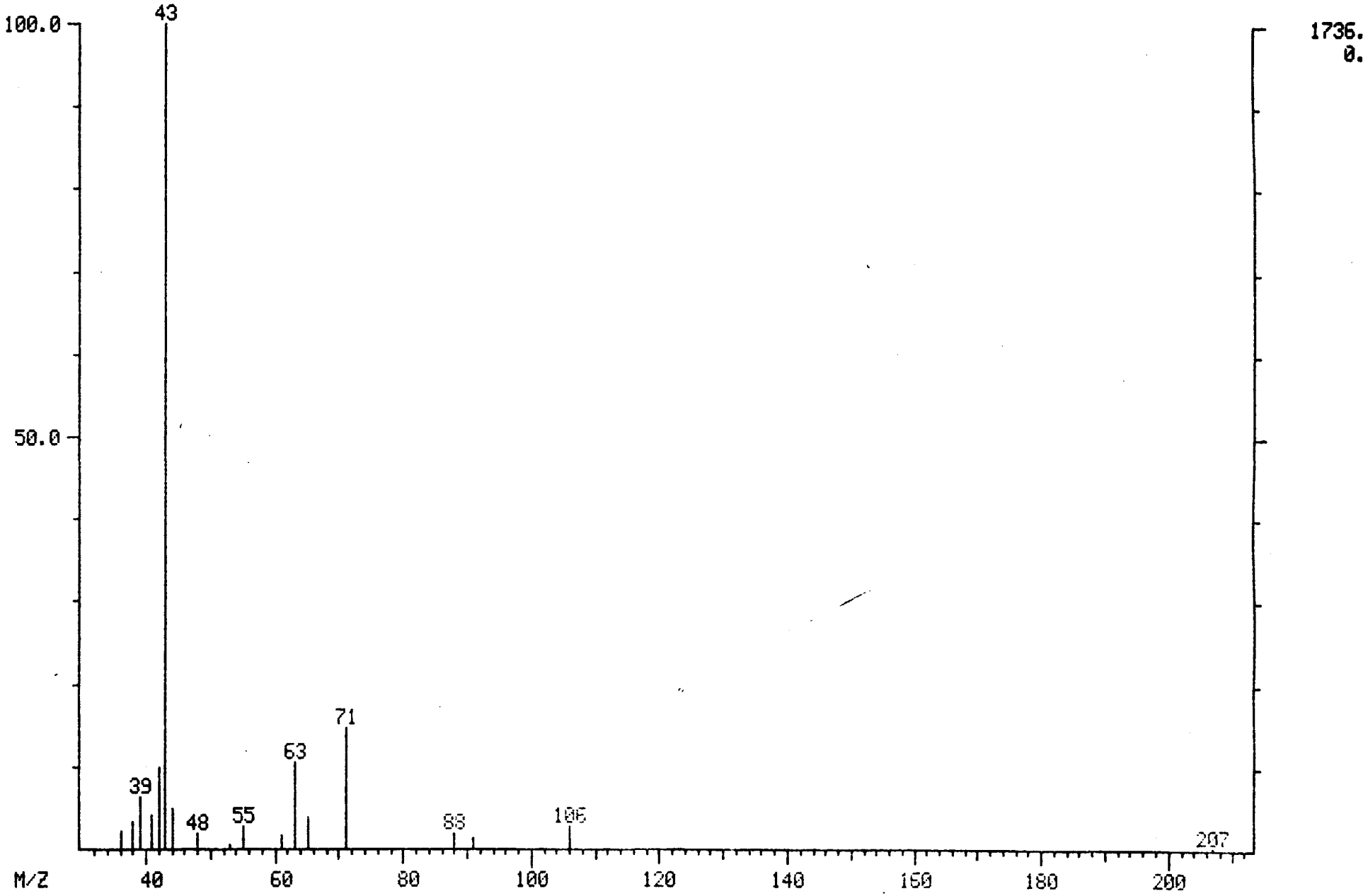
BASE M/Z: 83
RIC: 3380.



MASS SPECTRUM
04/19/91 11:22:00 + 7:32
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 76 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #760
CALI: APR19GK03 #3

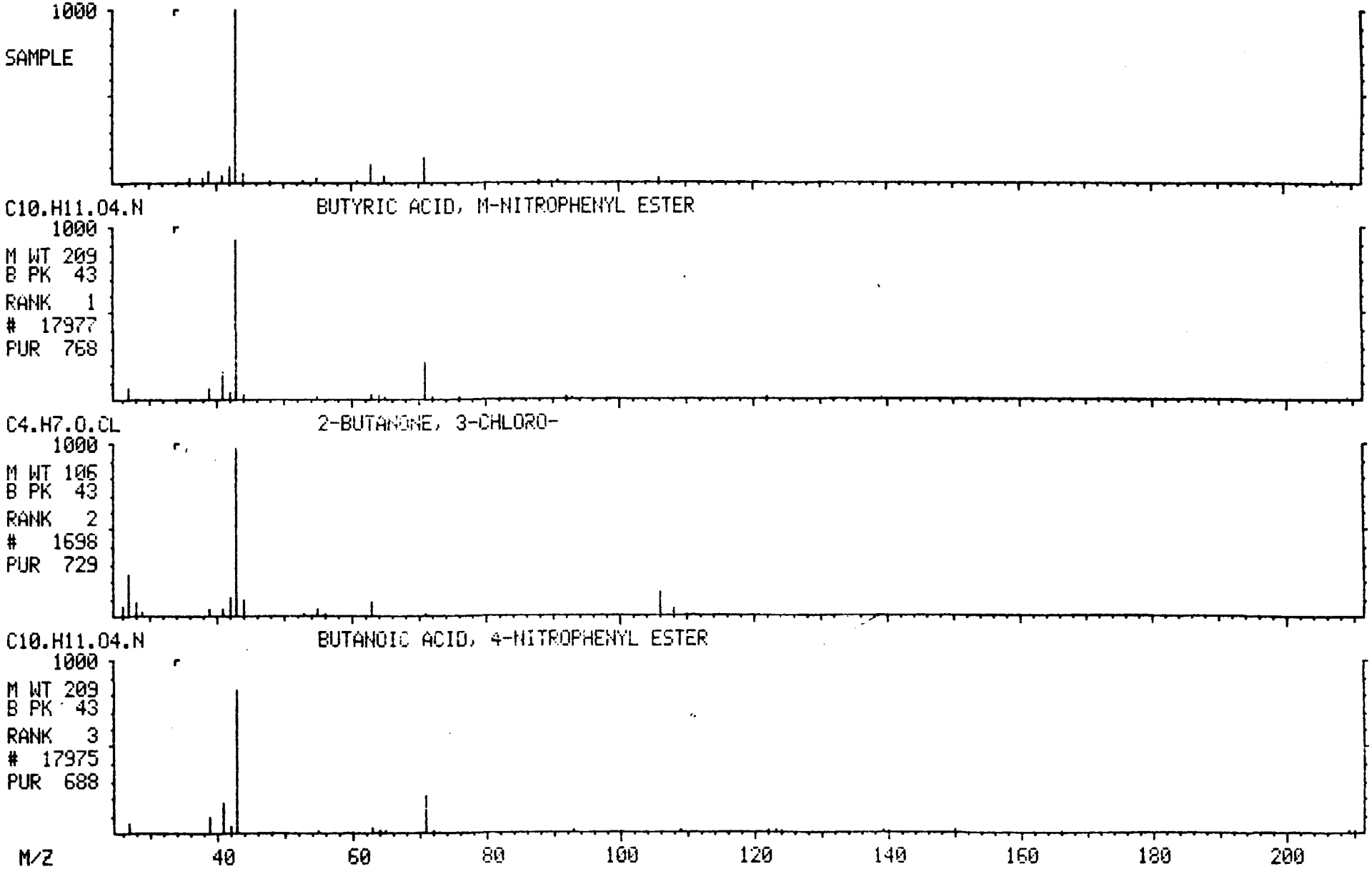
BASE M/Z: 43
RIC: 3012.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 7:32
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 760
CALI: APR19GK03 # 3

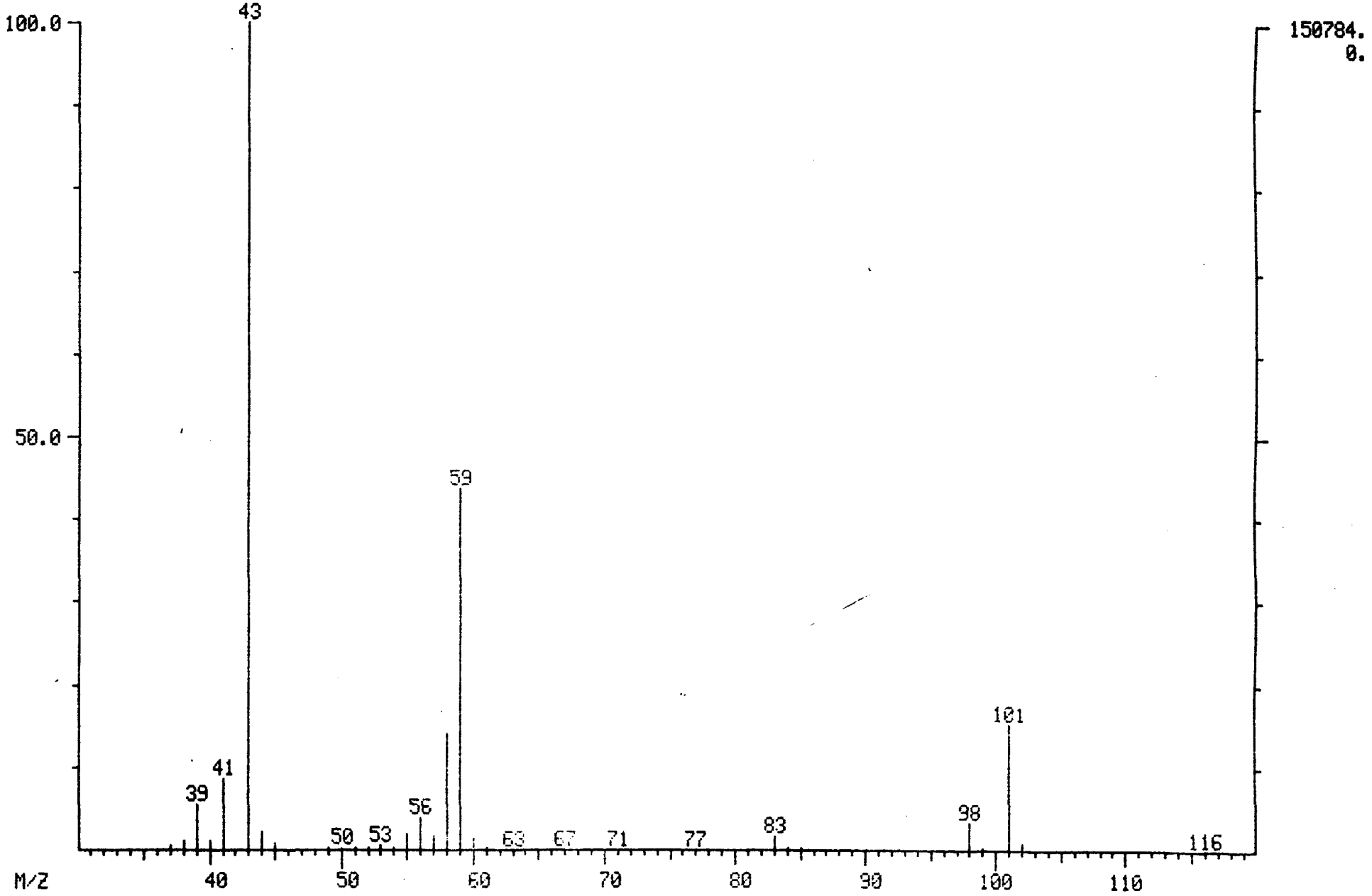
BASE M/Z: 43
RIC: 3012.



MASS SPECTRUM
04/19/91 11:22:00 + 8:07
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #819
CALI: APR19GK03 #3

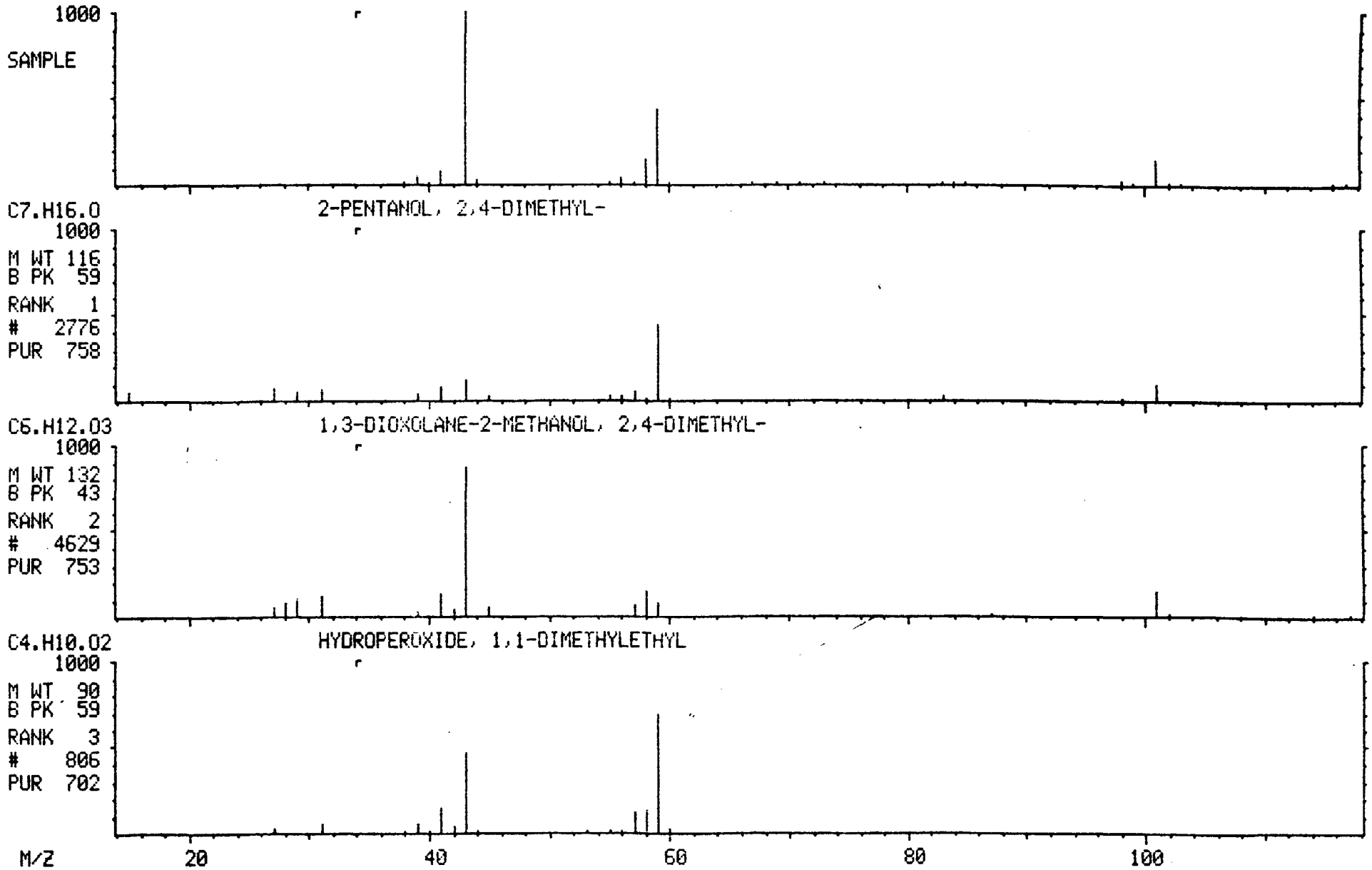
BASE M/Z: 43
RIC: 316928.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 8:07
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 819
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 311296.



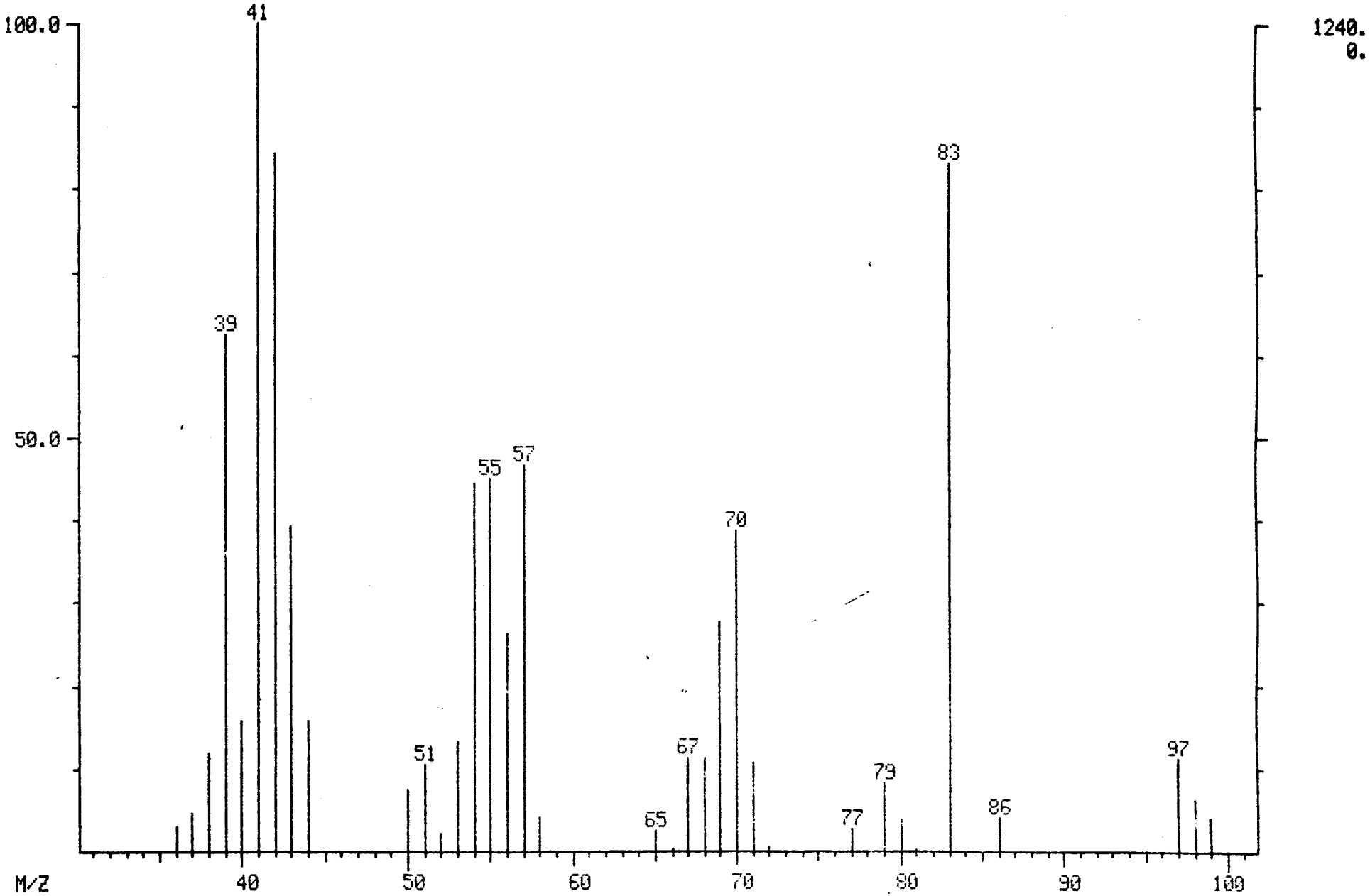
002451

MASS SPECTRUM
04/19/91 11:22:00 + 8:33
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #862
CALI: APR19GK03 #3

BASE M/Z: 41
RIC: 9472.

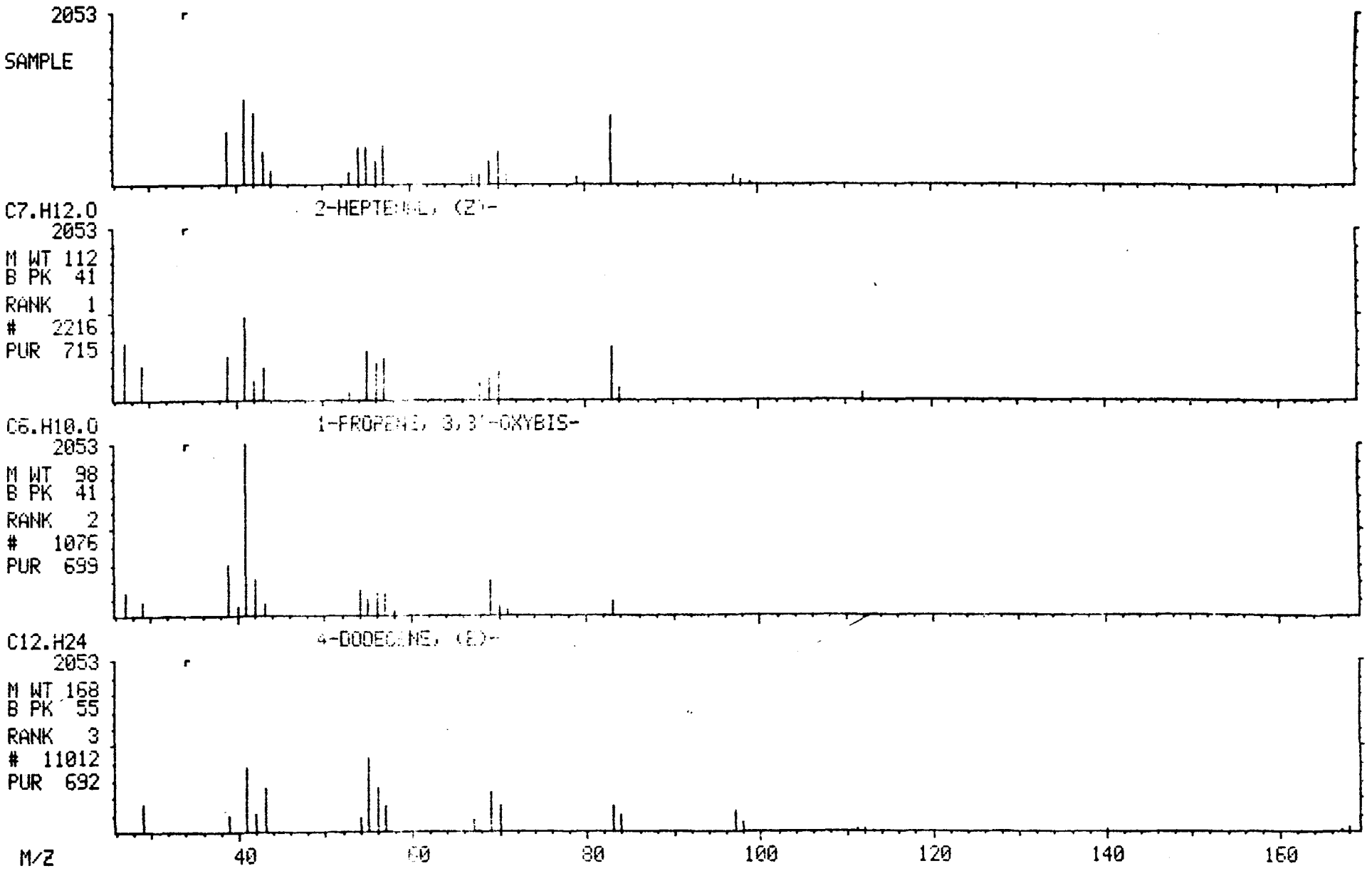
002452



MID LIBRARY SEARCH (LIBRARY/NB)
04/19/91 11:22:00 + 8:33
SAMPLE: 30947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 862
CALI: APR19GK03 # 3

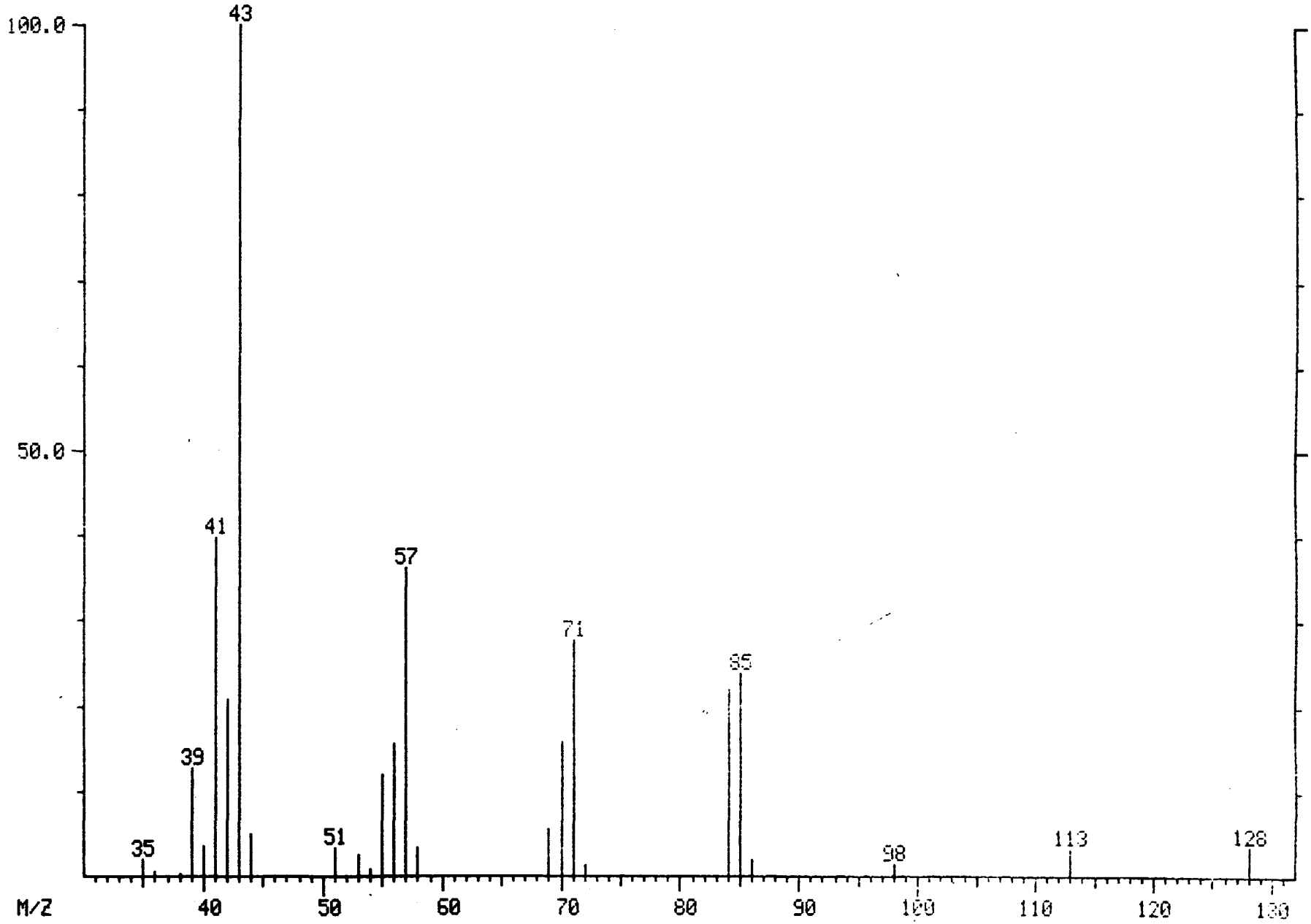
BASE M/Z: 41
RIC: 8672.



MASS SPECTRUM
04/19/91 11:22:00 + 8:40
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 87 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #875
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 6696.

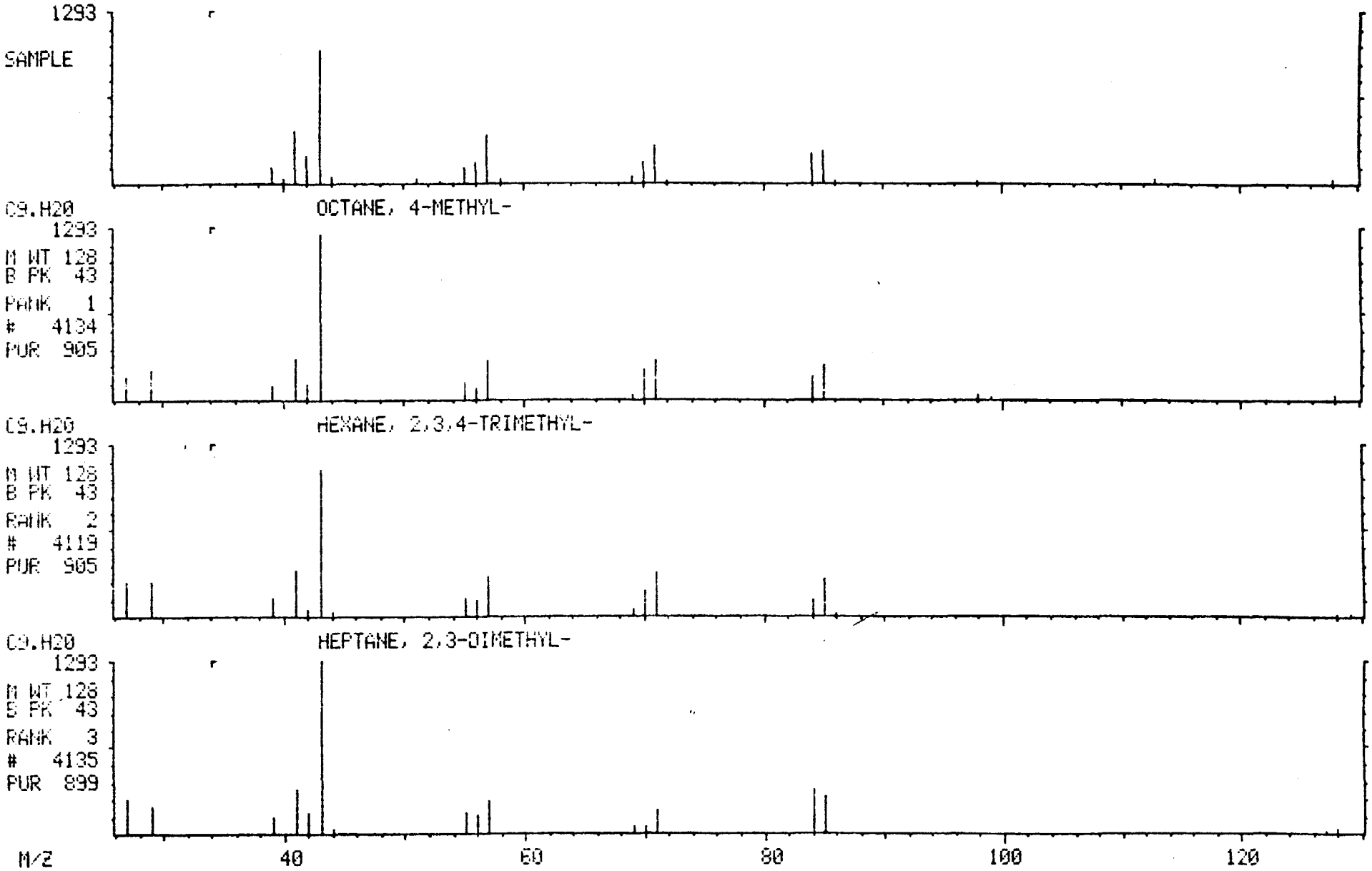


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 8:40
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 875
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 6624.

002455

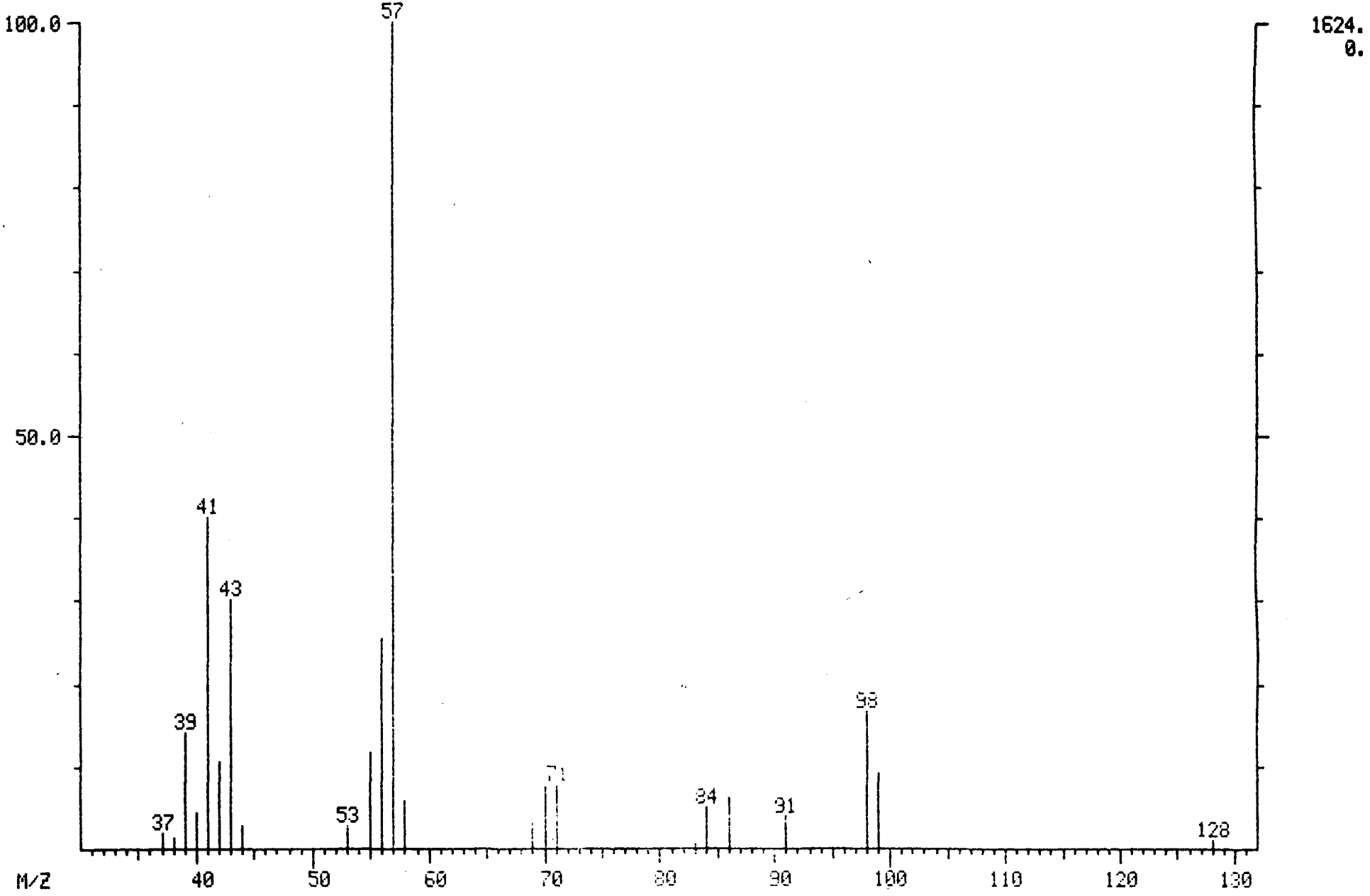


MASS SPECTRUM
04/19/91 11:22:00 + 8:50
SAMPLE: 90947 GPC *BLANK* CLP -1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 88 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #892
CALI: APR19GK03 #3

BASE M/Z: 57
RIC: 5056.

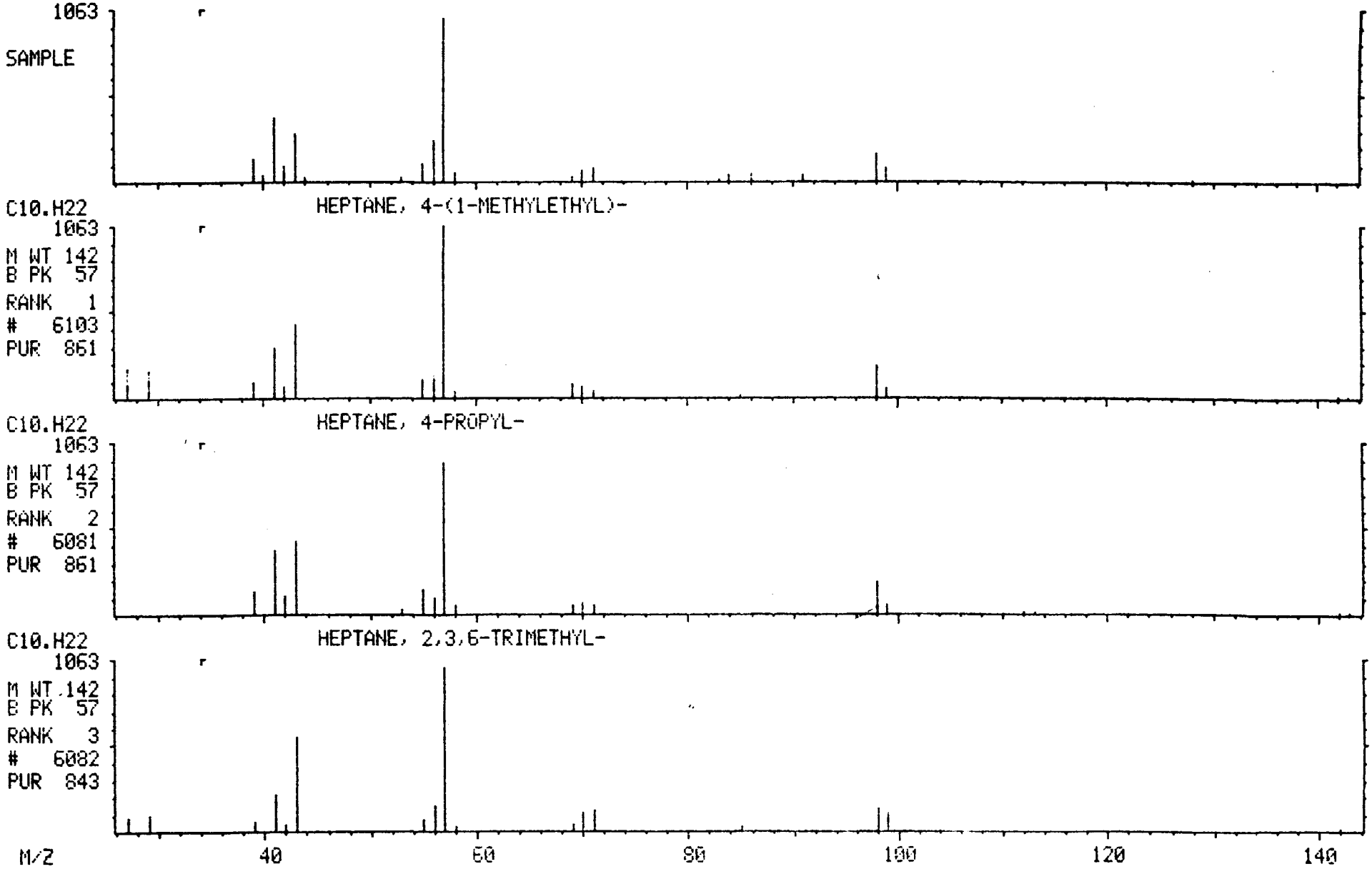
002159



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 8:50
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 892
CALI: APR19GK03 # 3

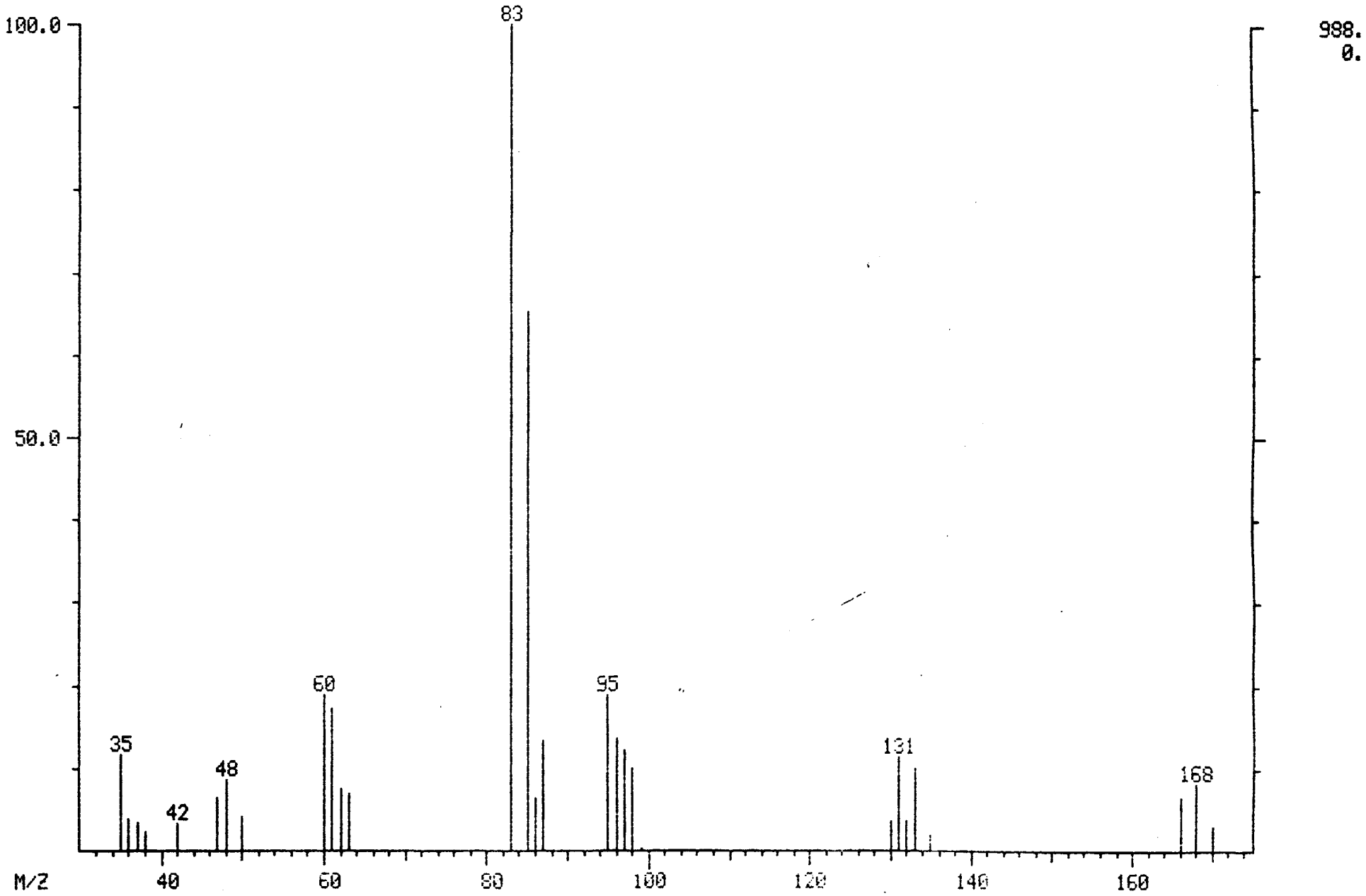
BASE M/Z: 57
RIC: 5000.



MASS SPECTRUM
04/19/91 11:22:00 + 9:46
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #985
CALI: APR19GK03 #3

BASE M/Z: 83
RIC: 3780.

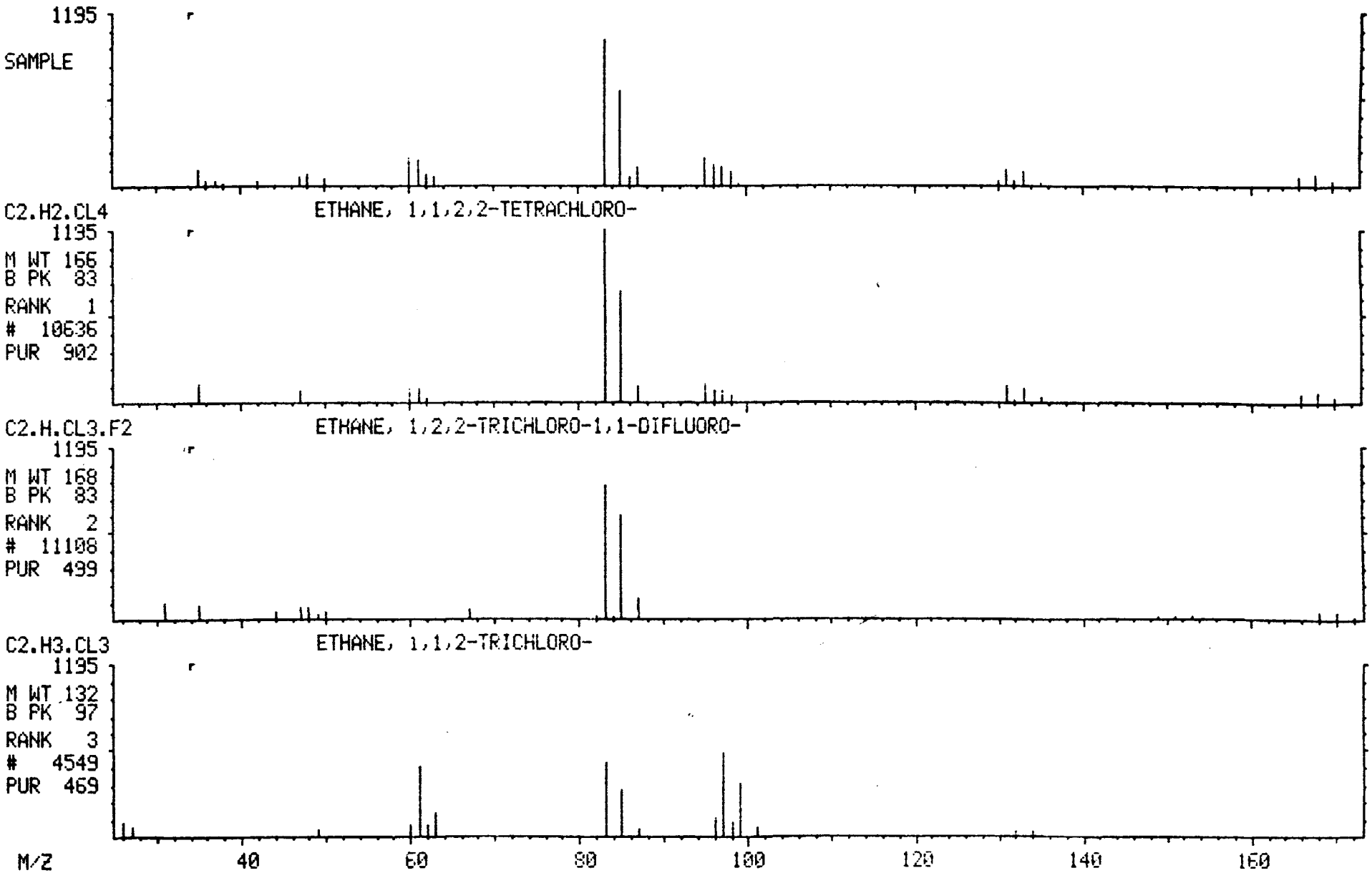


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 9:46
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 # 985
CALI: APR19GK03 # 3

BASE M/Z: 83
RIC: 3784.

002459

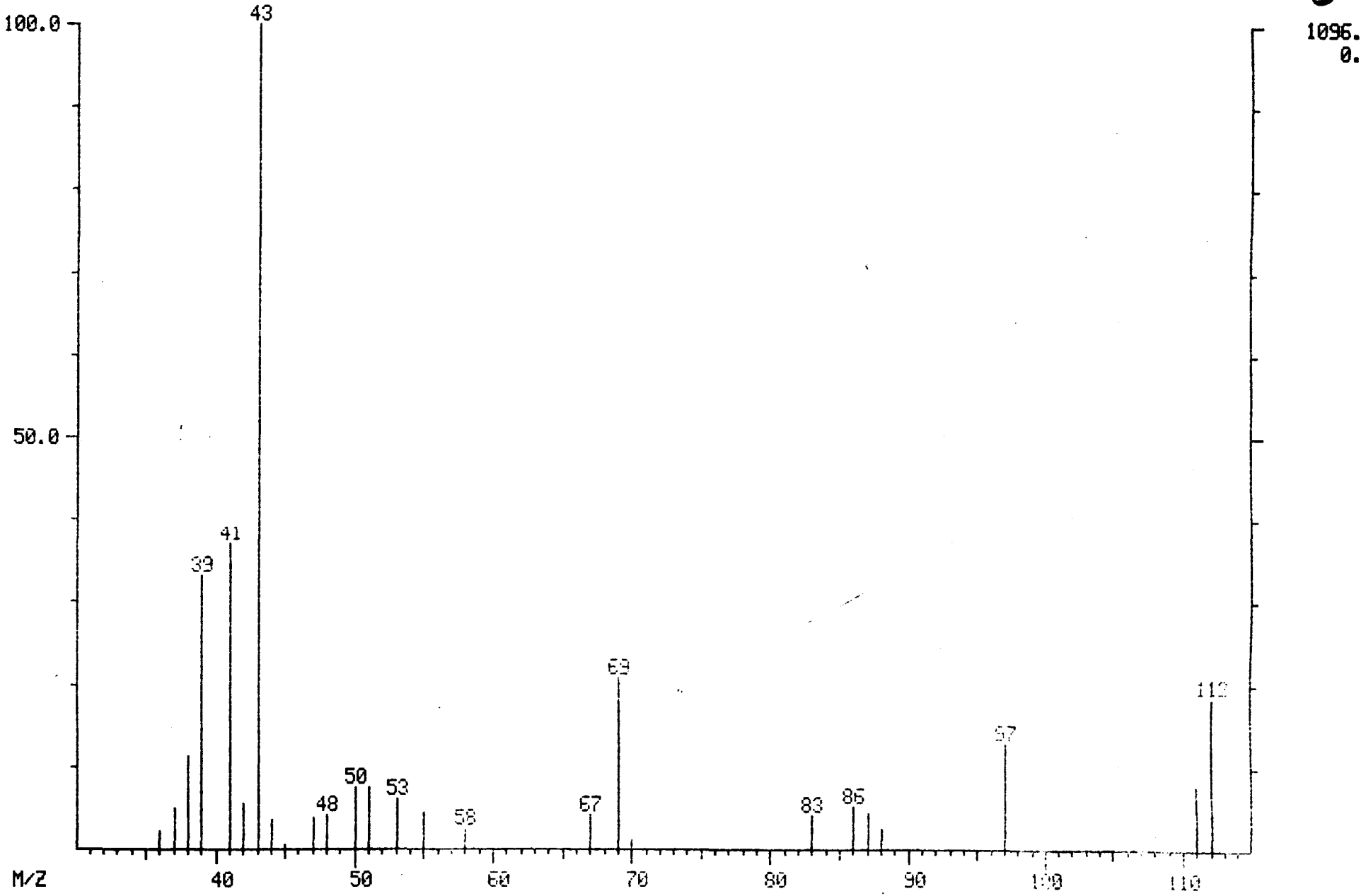


MASS SPECTRUM
04/19/91 11:22:00 + 10:09
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 101 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1024
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 3468.

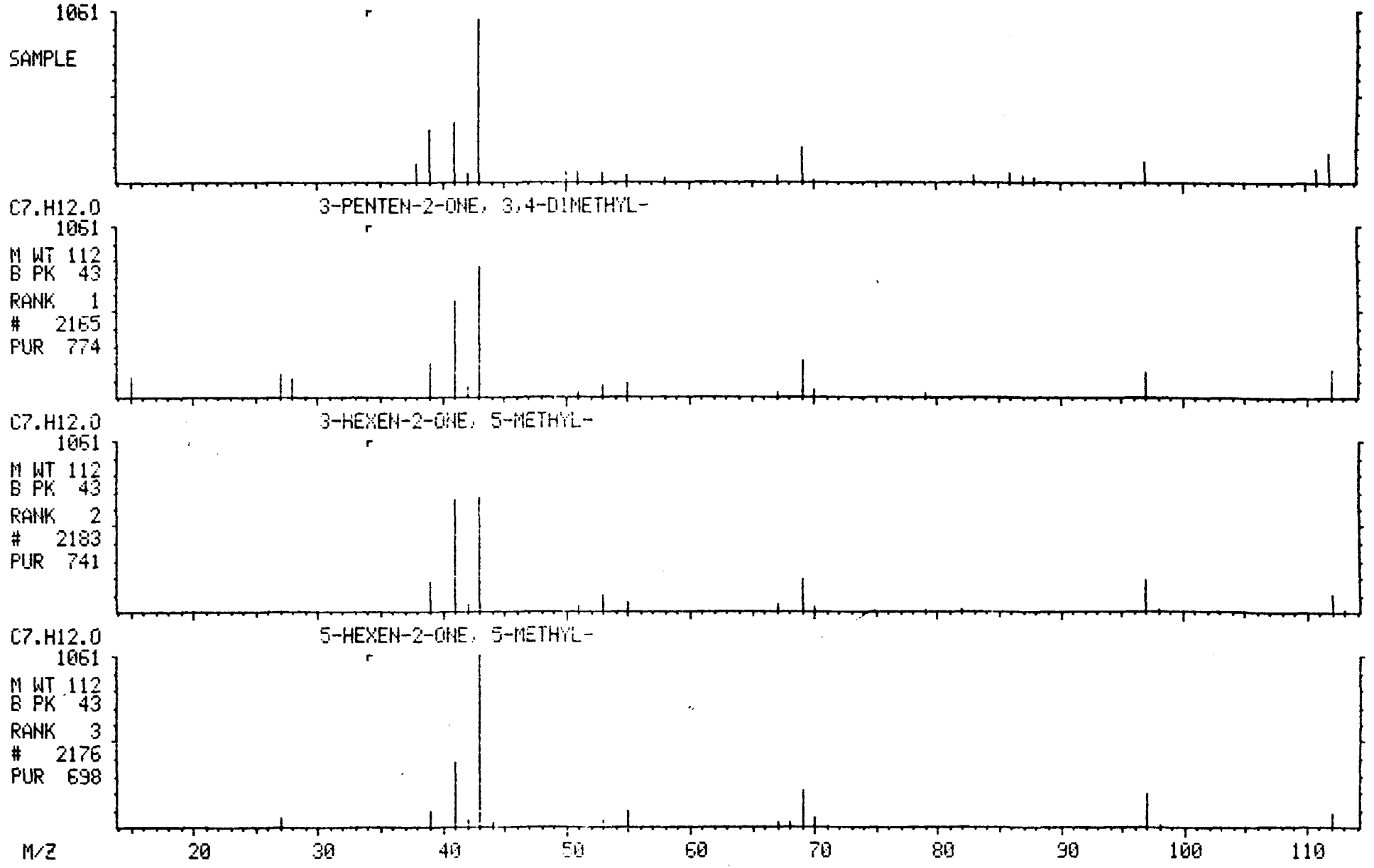
002460



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 10:09
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1024
CALI: APR19GK03 # 3

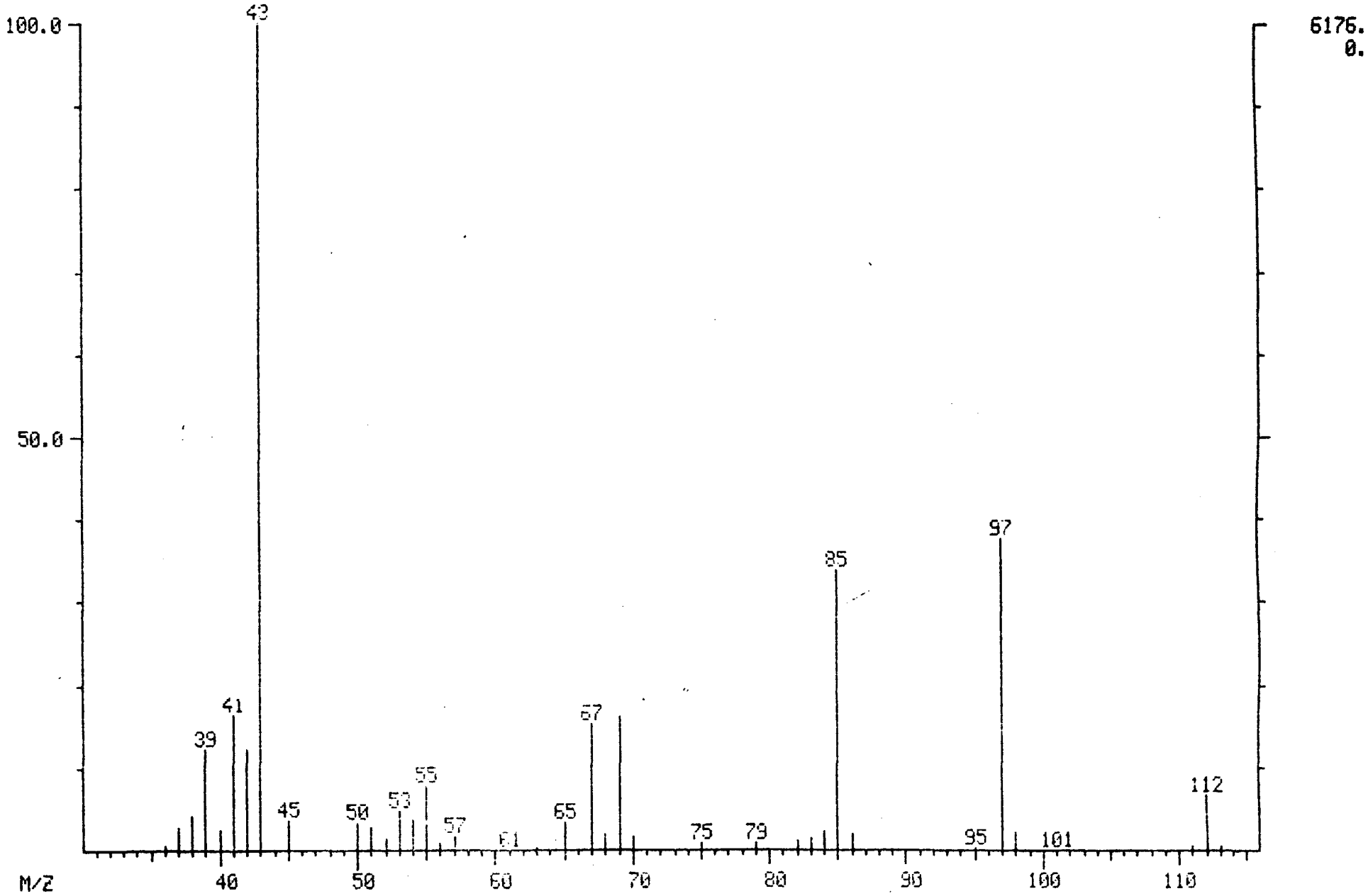
BASE M/Z: 43
RIC: 3256.



MASS SPECTRUM
04/19/91 11:22:00 + 10:26
SAMPLE: 90347 GFC #BLANK# CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 104 DEG. C
ENHANCED (S 15B 2H 2T)

DATA: APR19GK03 #1052
CALI: APR19GK03 #3

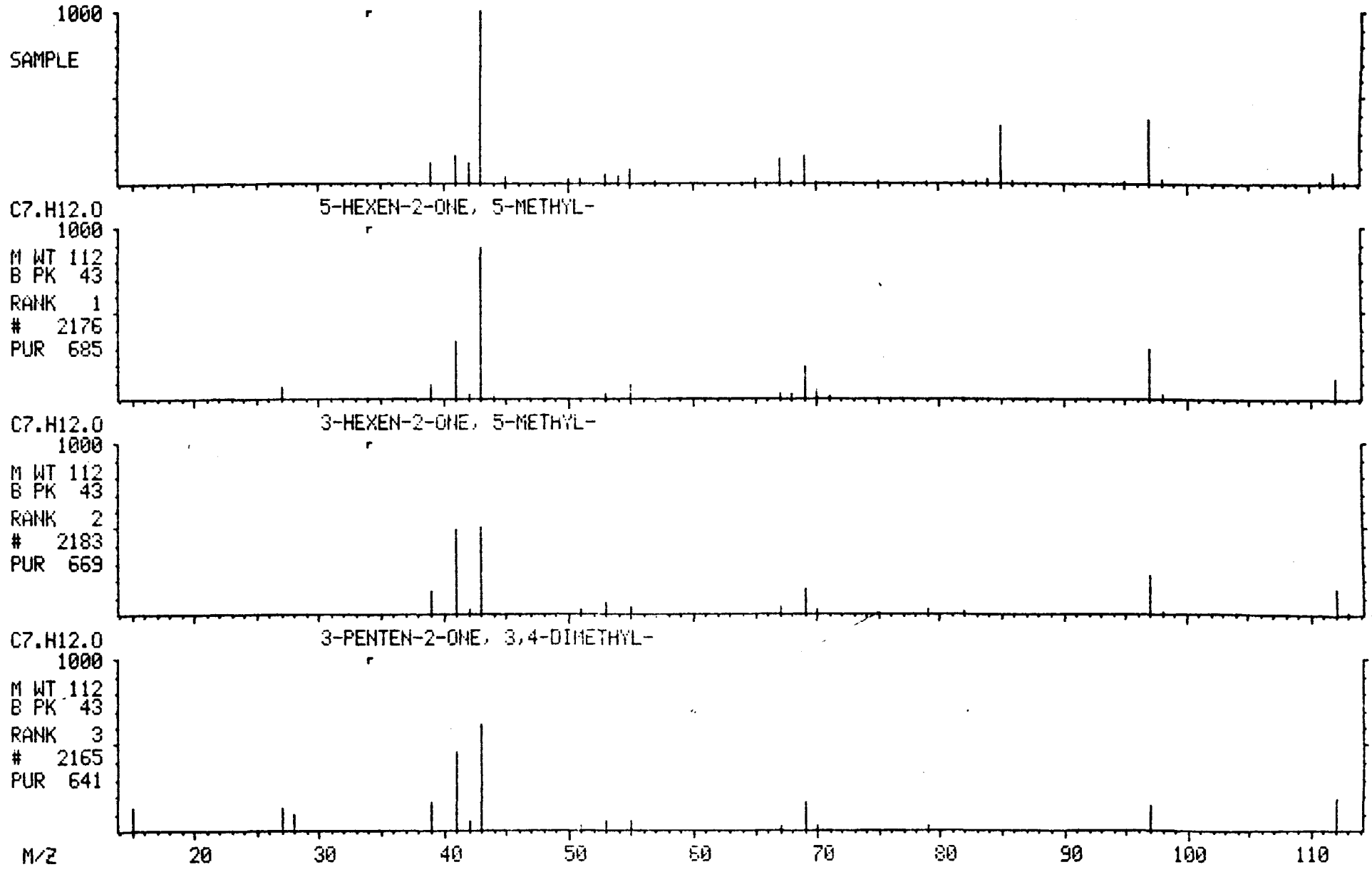
BASE M/Z: 43
RIC: 19040.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 10:26
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1052
CALI: APR19GK03 # 3

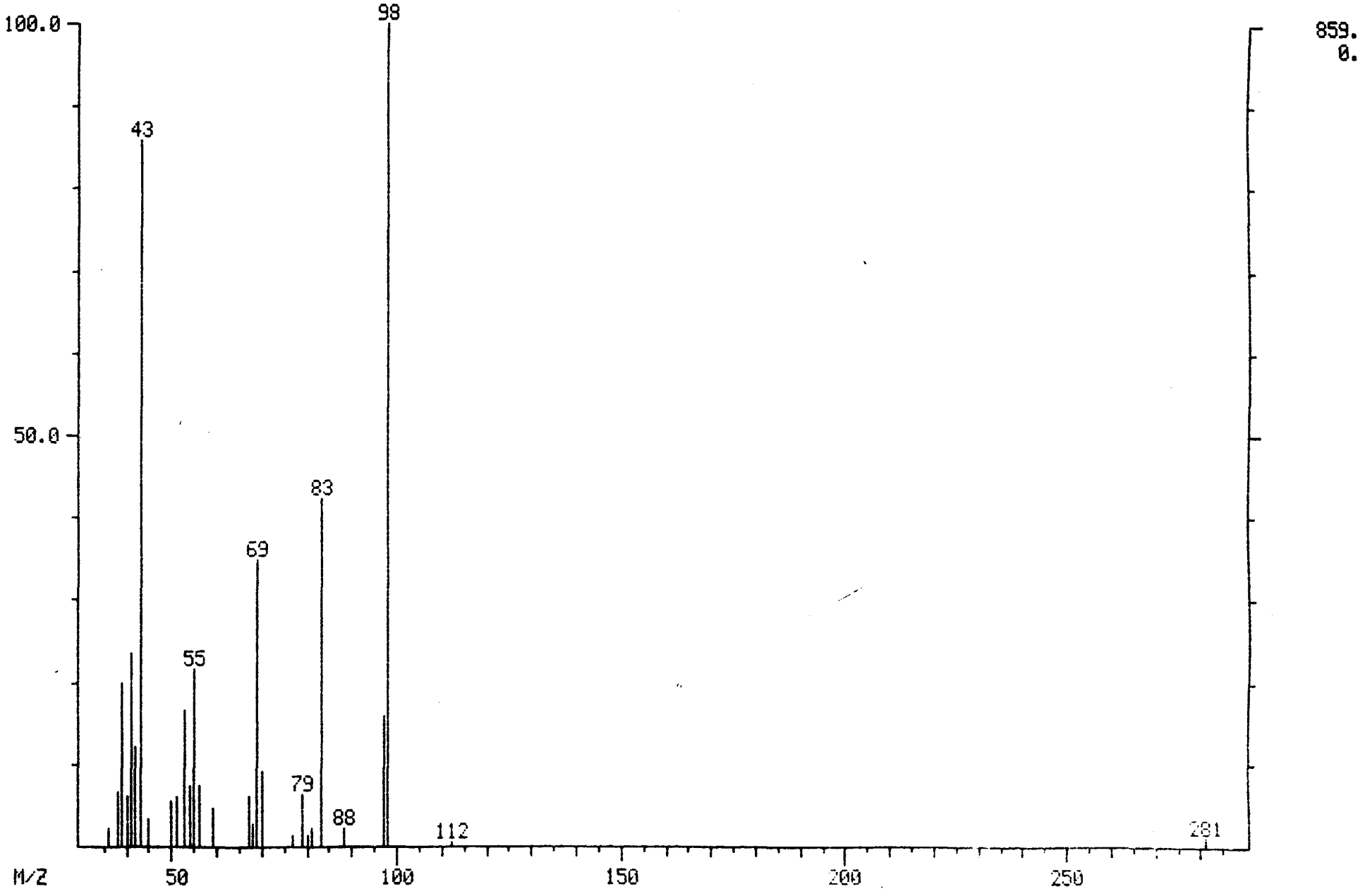
BASE M/Z: 43
RIC: 18240.



MASS SPECTRUM
04/19/91 11:22:00 + 11:12
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1130
CALI: APR19GK03 #3

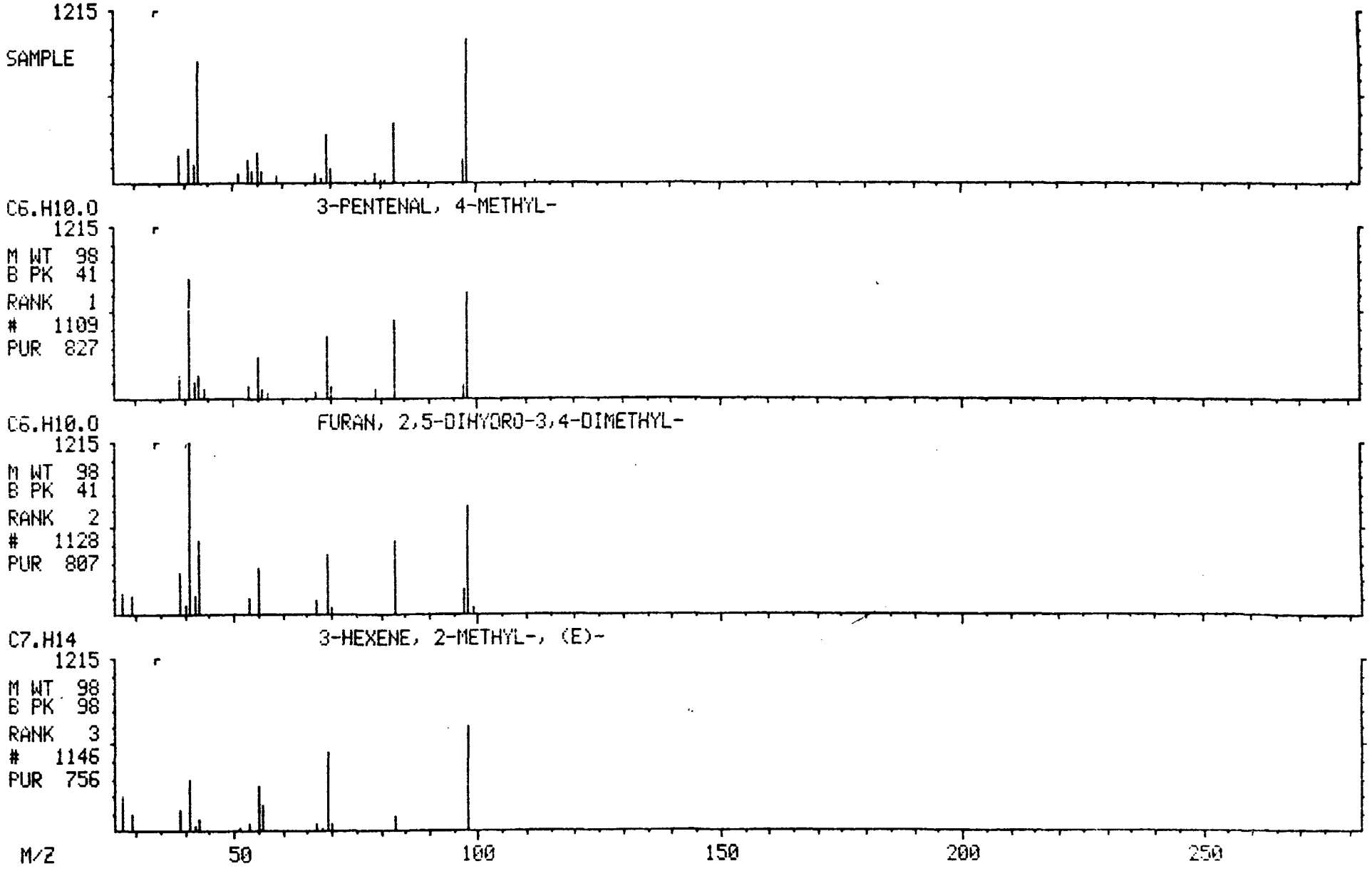
BASE M/Z: 98
RIC: 3928.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 11:12
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1130
CALI: APR19GK03 # 3

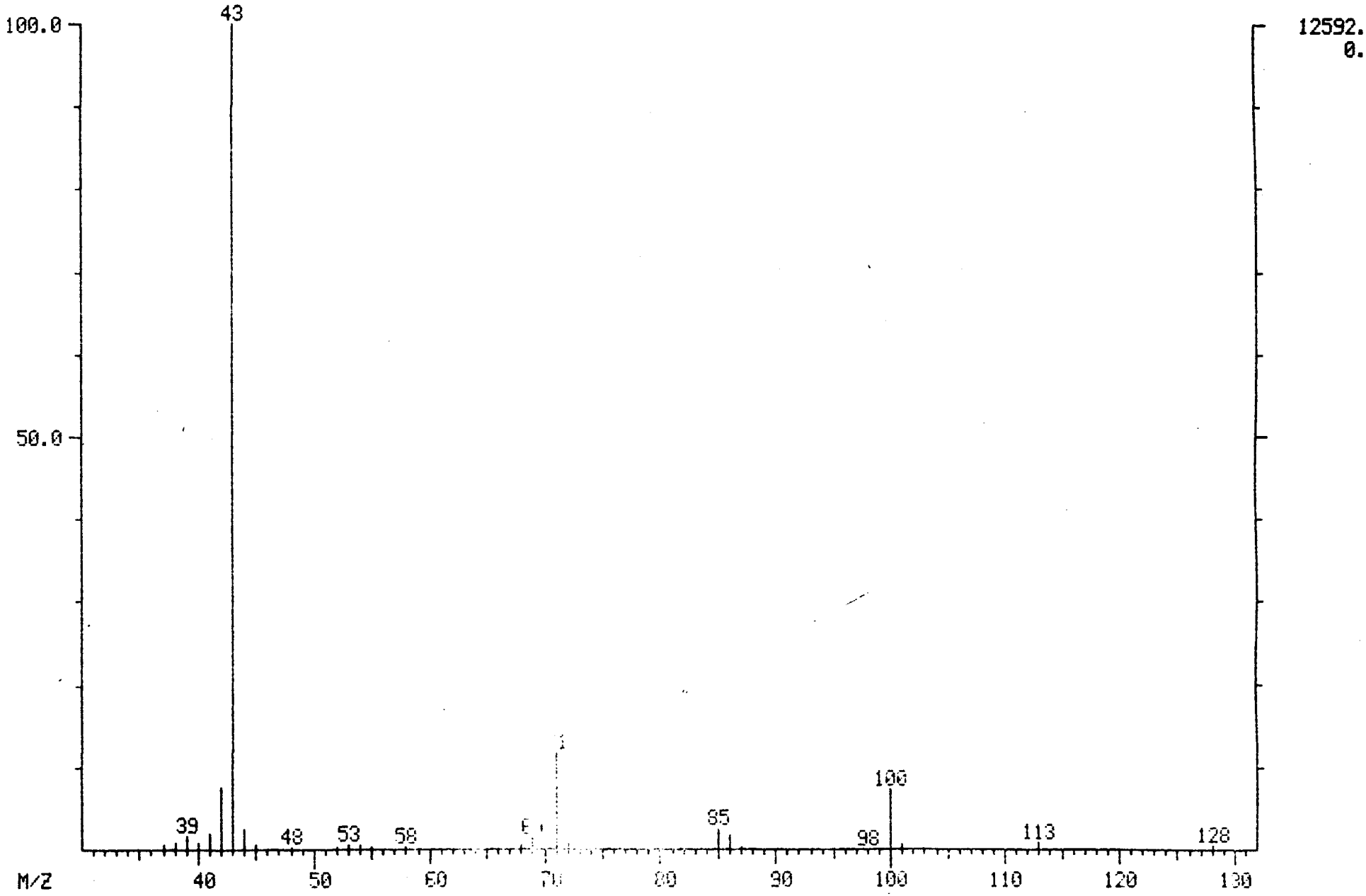
BASE M/Z: 98
RIC: 3720.



MASS SPECTRUM
04/19/91 11:22:00 + 11:19
SAMPLE: 90947 GPC *BLANK* CLF 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 113 DEG. C
ENHANCED (S 15B 2N 8T)

DATA: APR19GK03 #1141
CALI: APR19GK03 #3

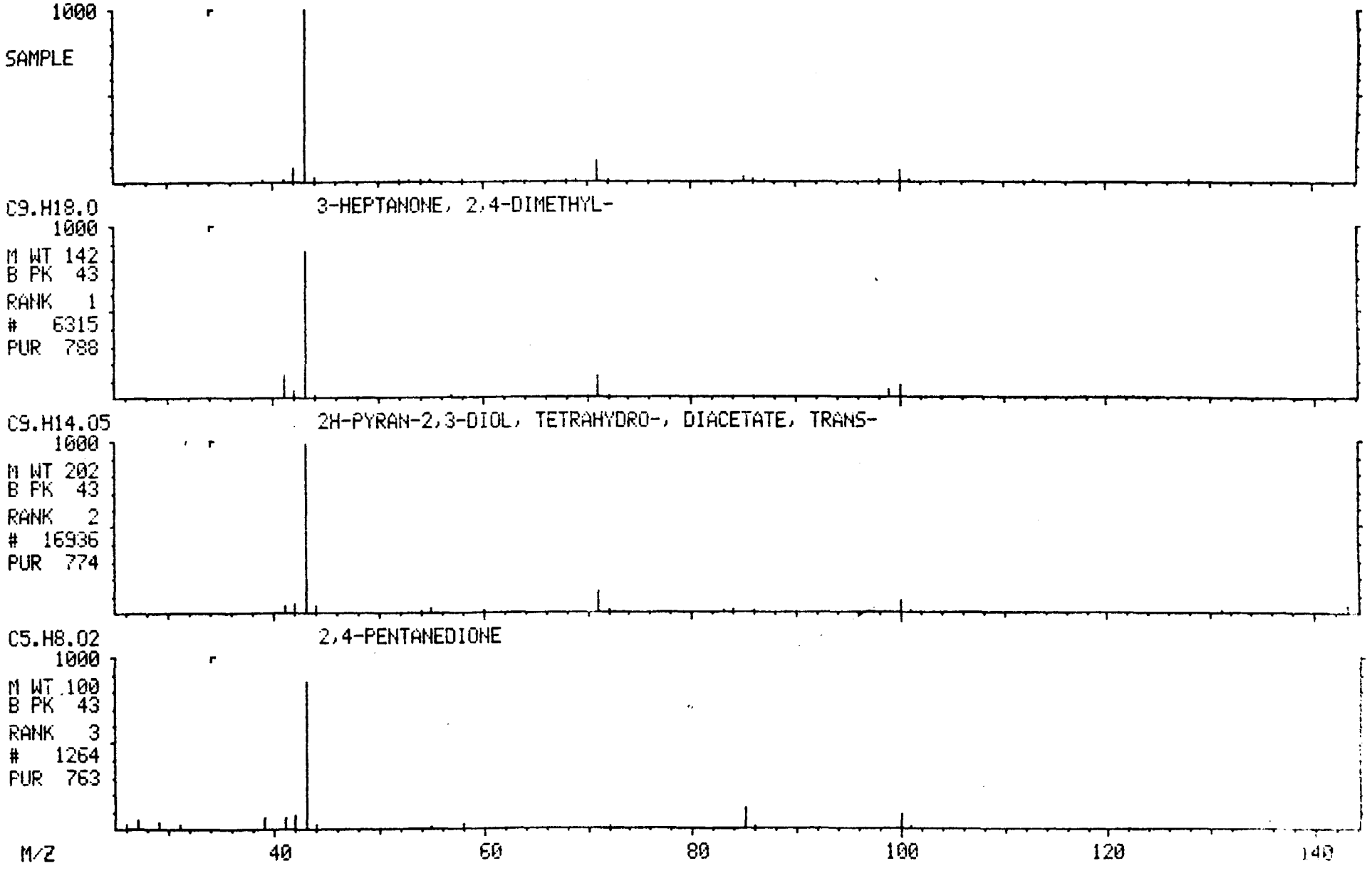
BASE M/Z: 43
RIC: 18560.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 11:19
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1141
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 18144.

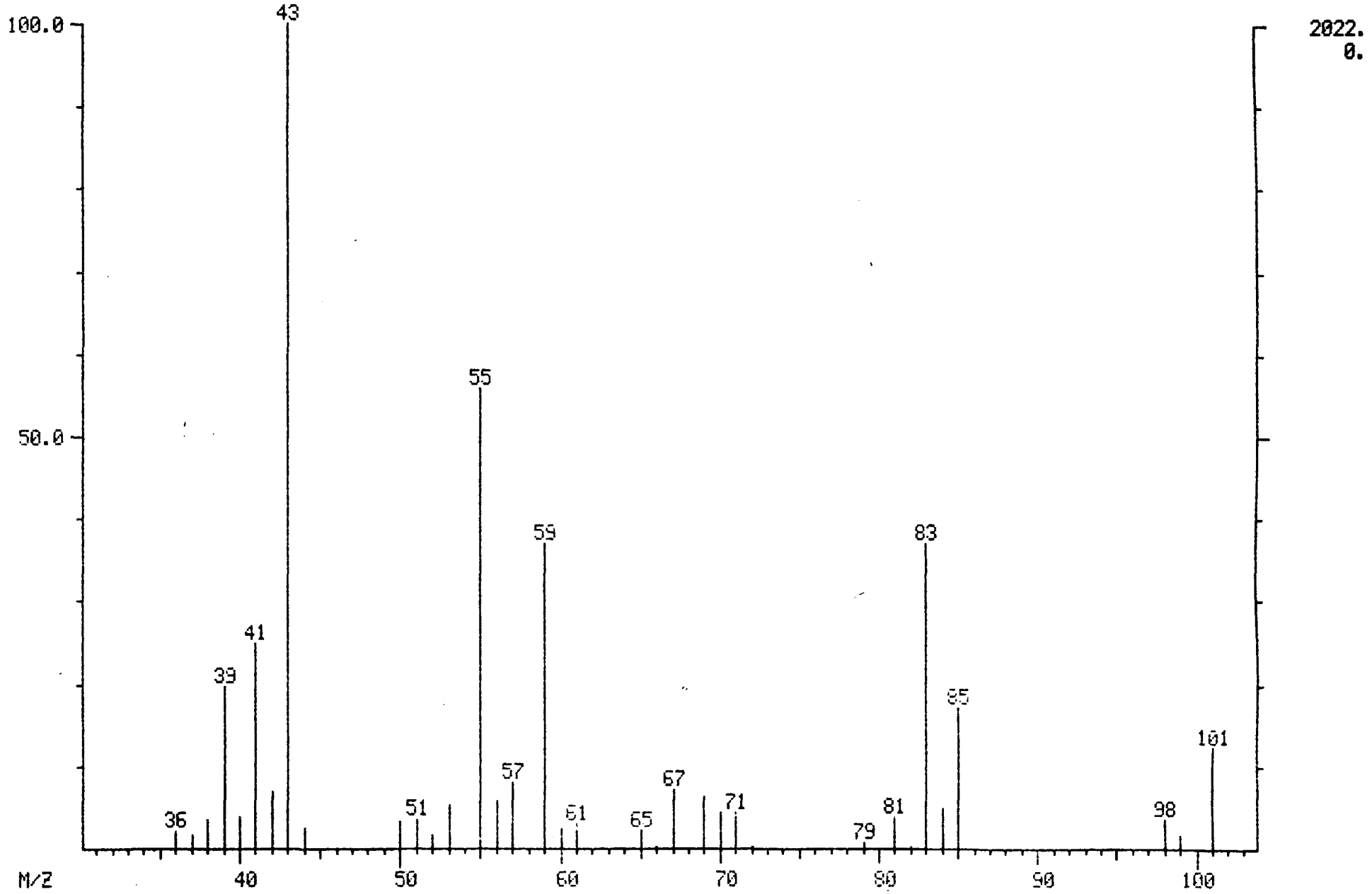


MASS SPECTRUM
04/19/91 11:22:00 + 11:23
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1149
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 8048.

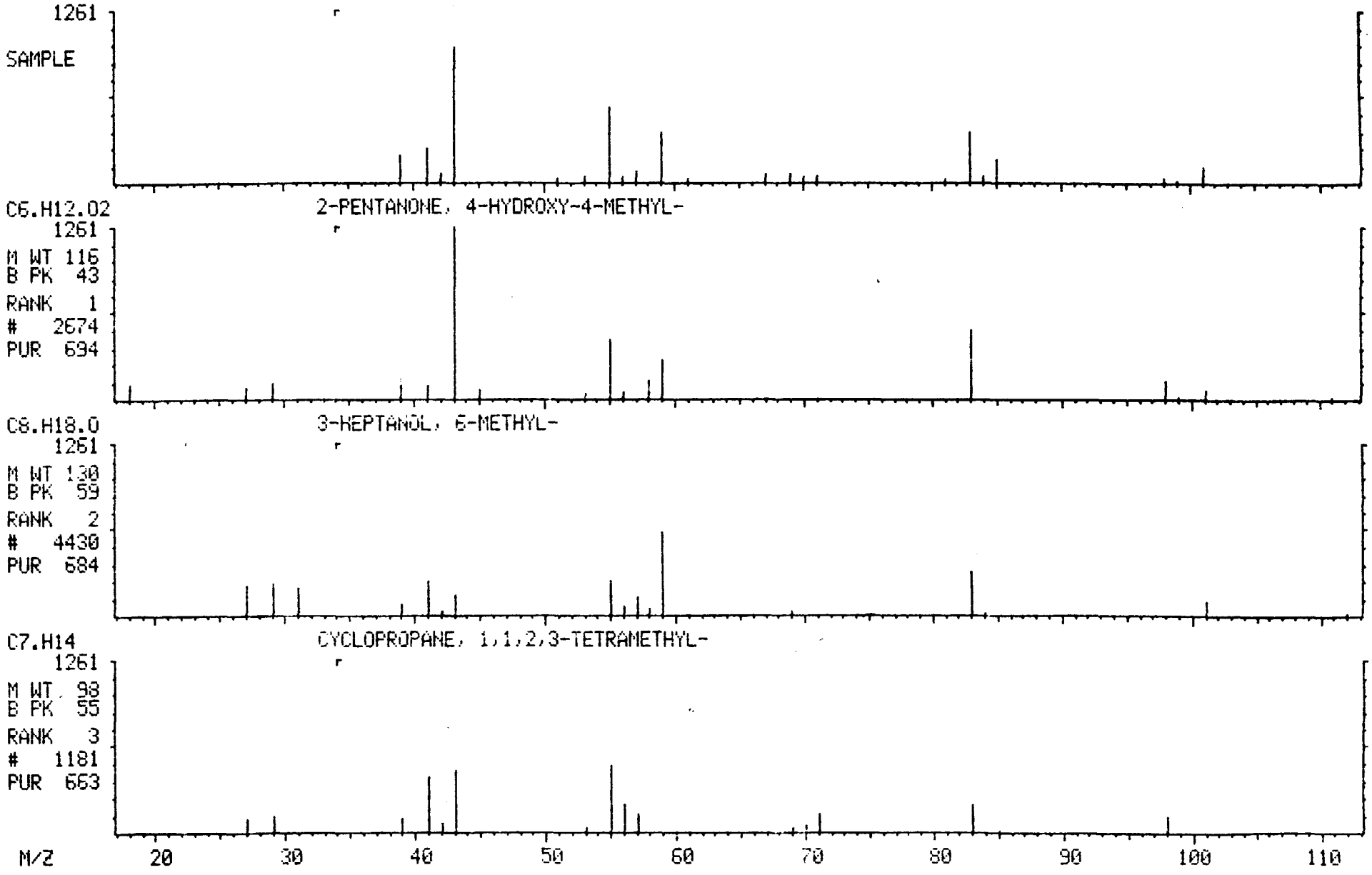
002168



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 11:23
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1149
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 7536.

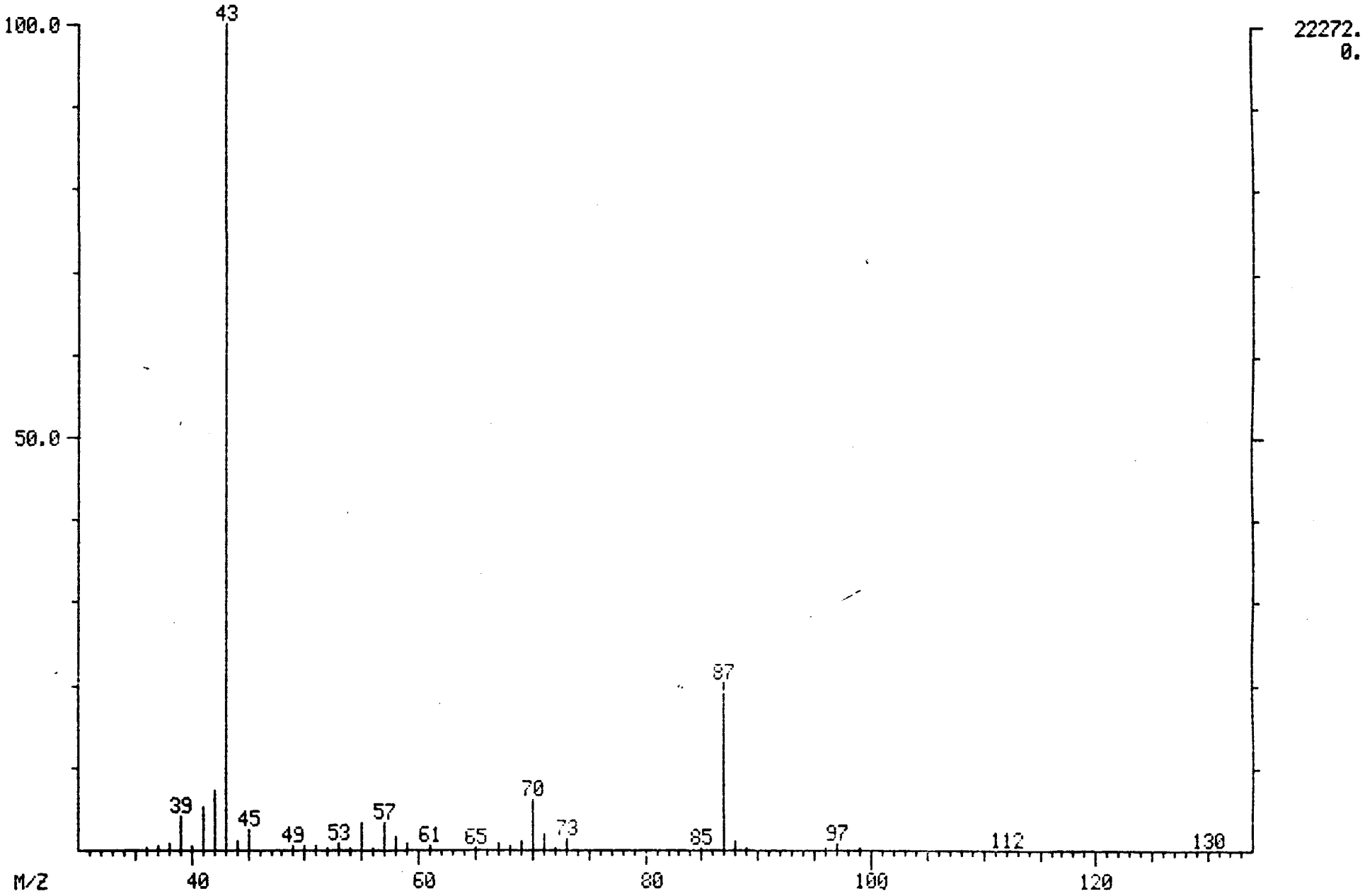


MASS SPECTRUM
04/19/91 11:22:00 + 11:39
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 117 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1175
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 37952.

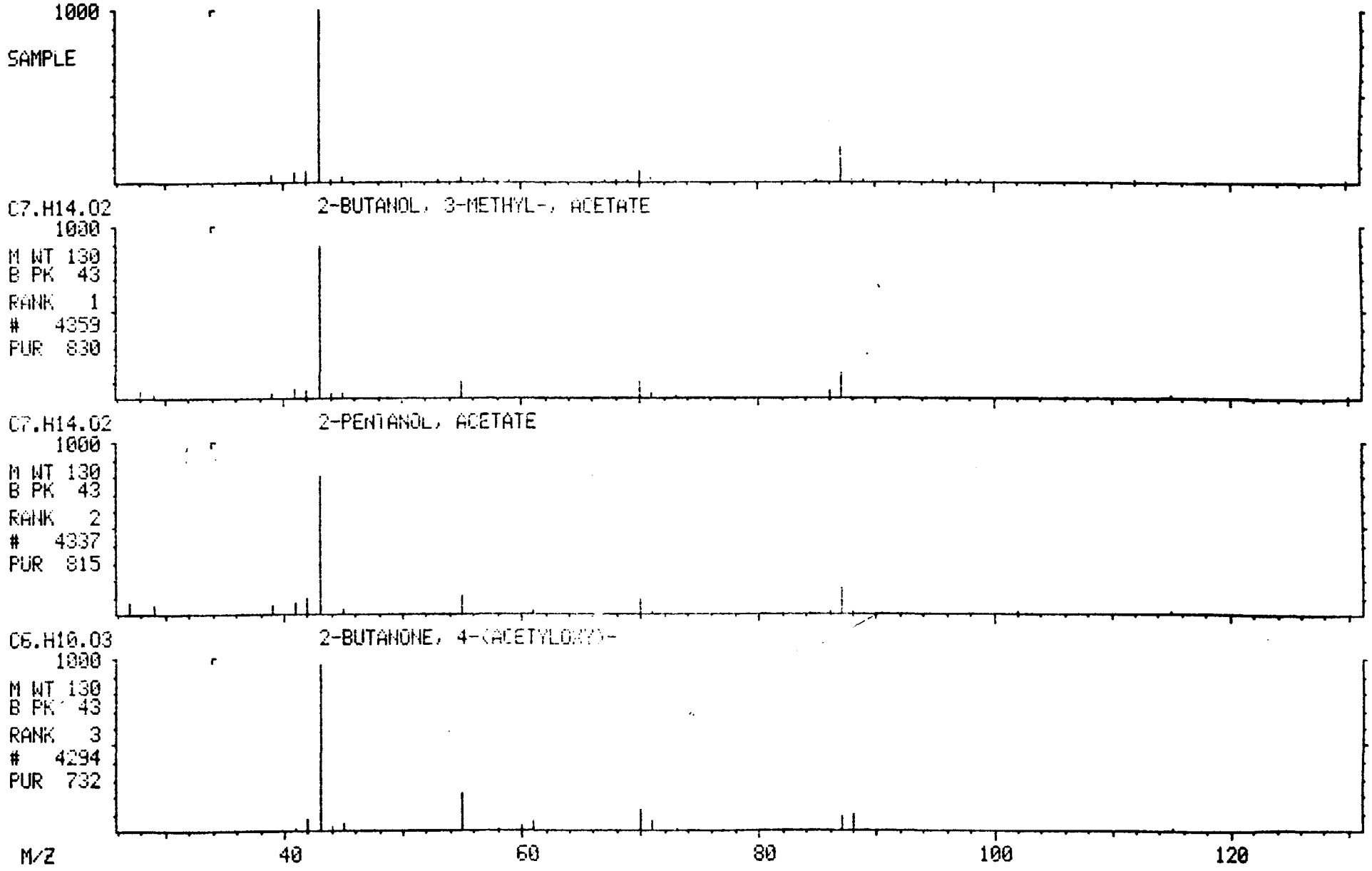
002470



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 11:39
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1175
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 36736.



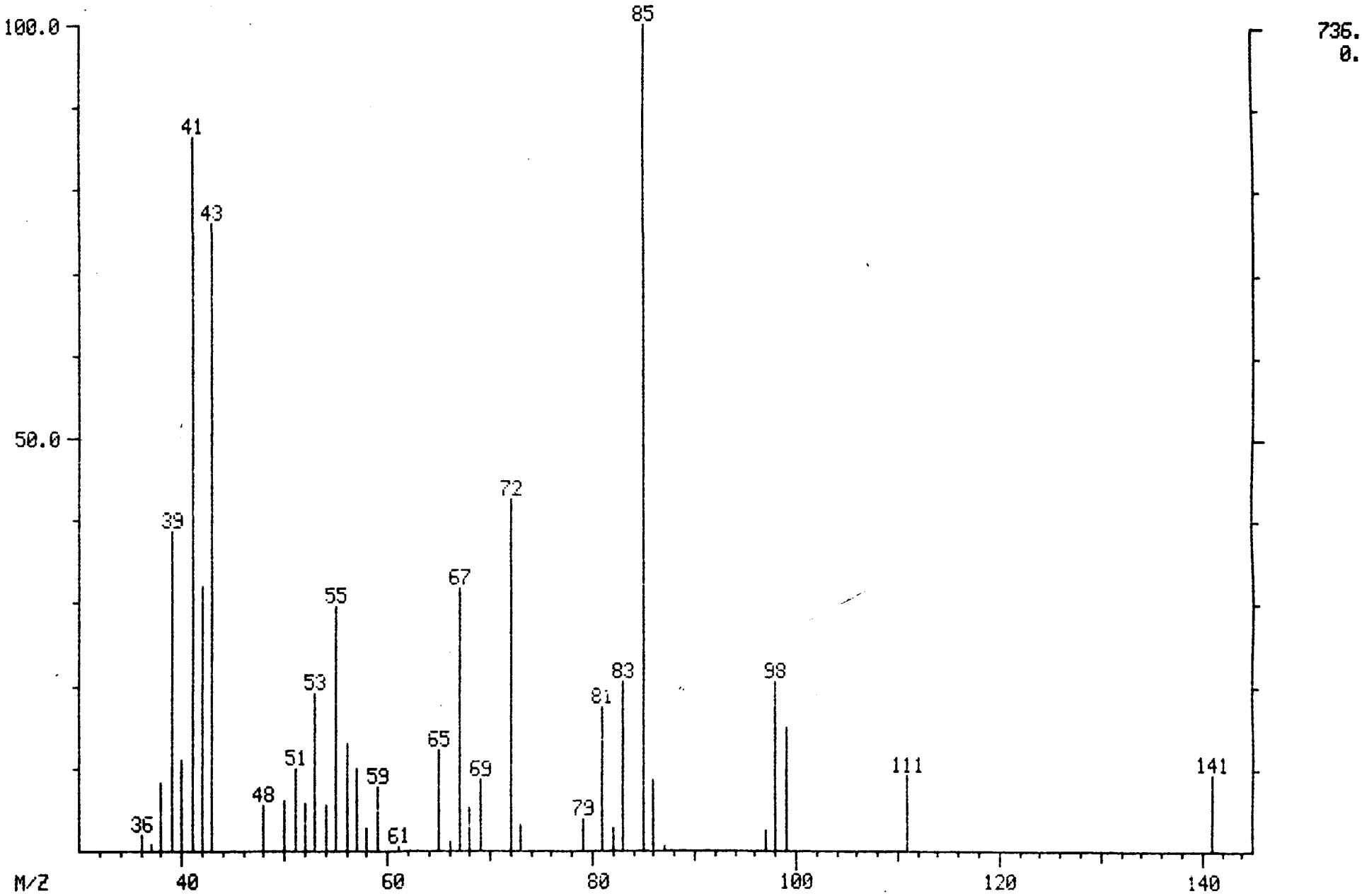
T-7200

MASS SPECTRUM
04/19/91 11:22:00 + 12:01
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1213
CALI: APR19GK03 #3

BASE M/Z: 85
RIC: 5072.

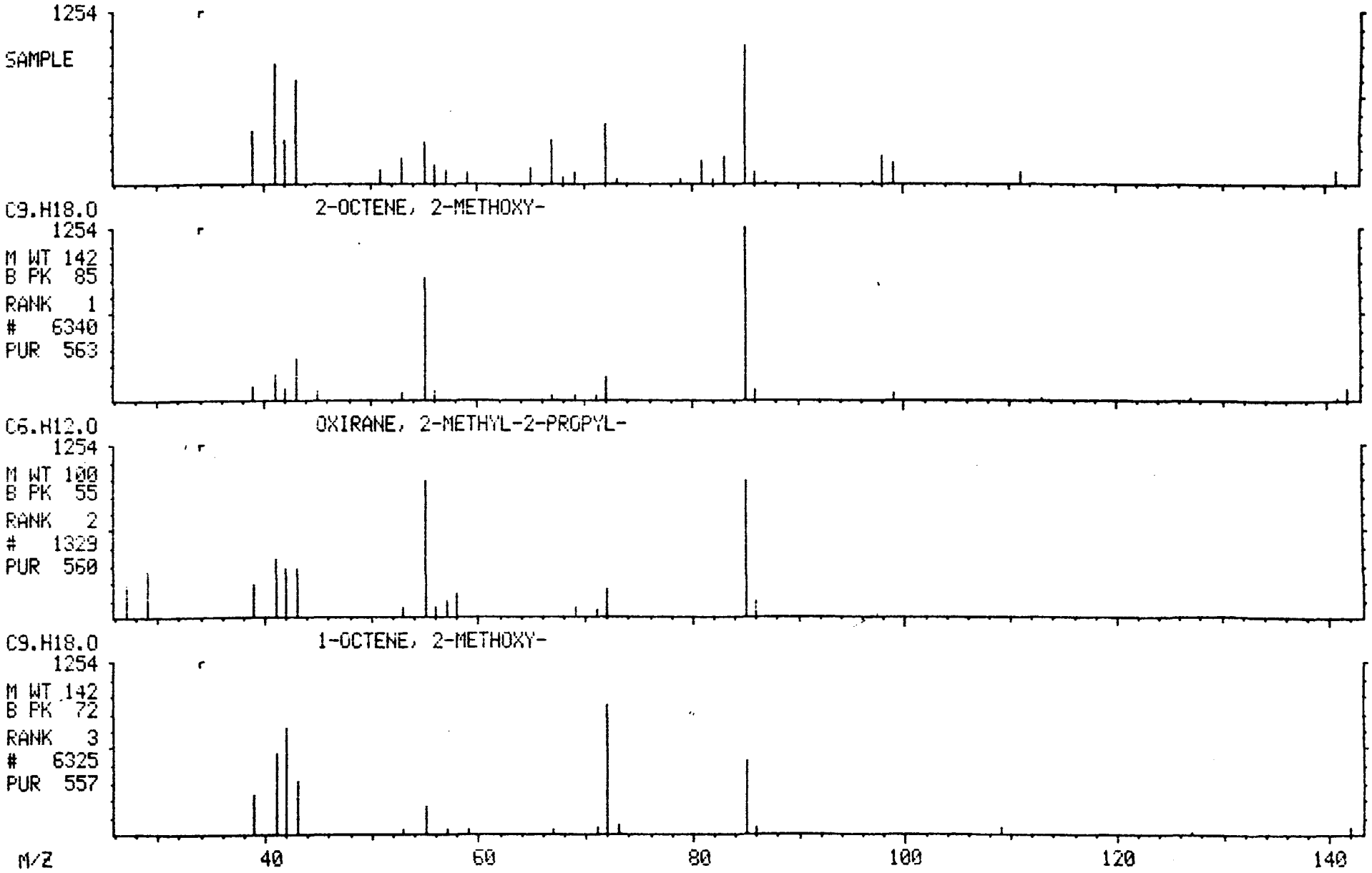
002472



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 12:01
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1213
CALI: APR19GK03 # 3

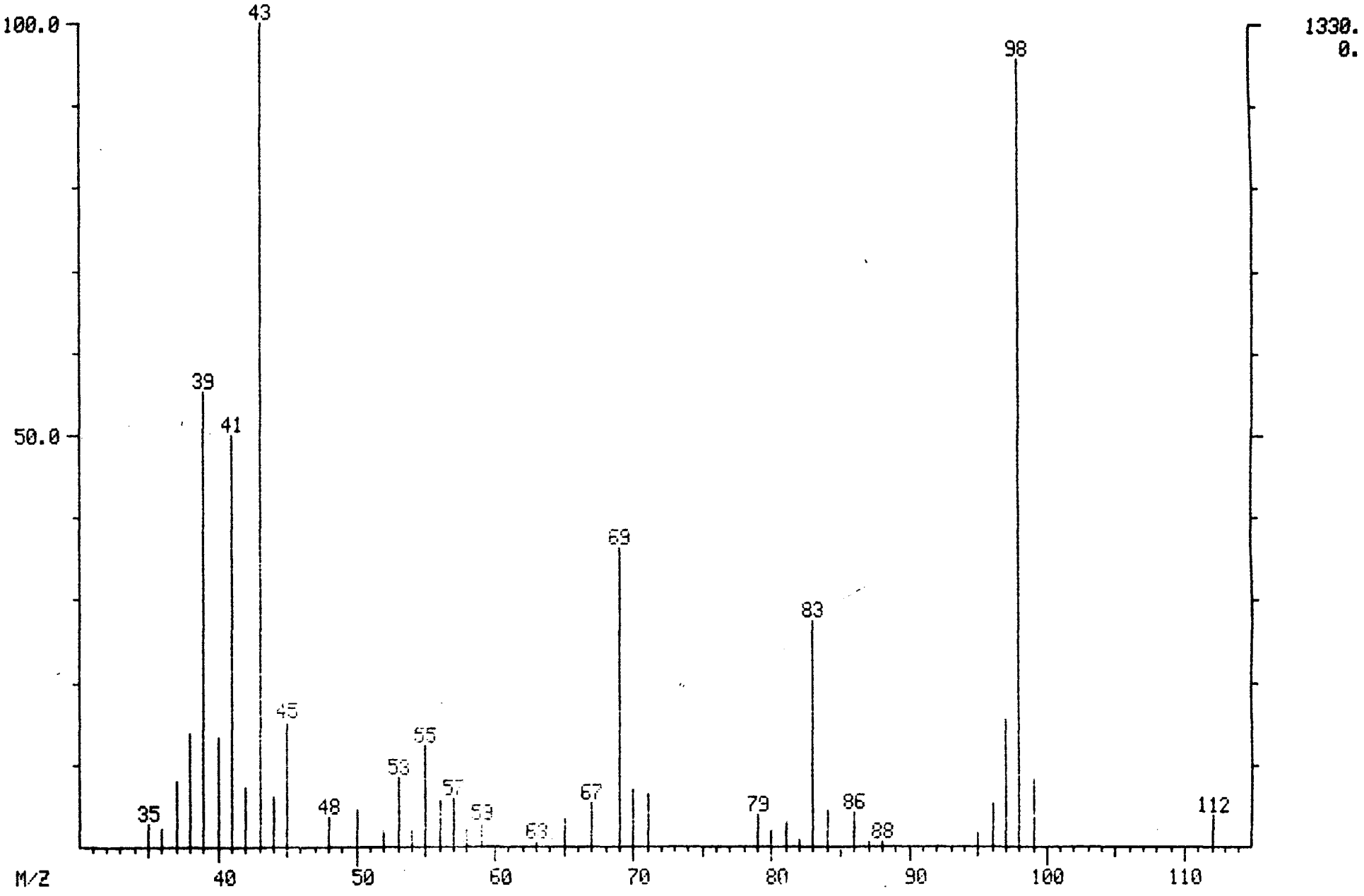
BASE M/Z: 85
RIC: 4704.



MASS SPECTRUM
04/19/91 11:22:00 + 12:07
SAMPLE: 90947 GPC #BLANK# CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 122 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1223
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 7448.

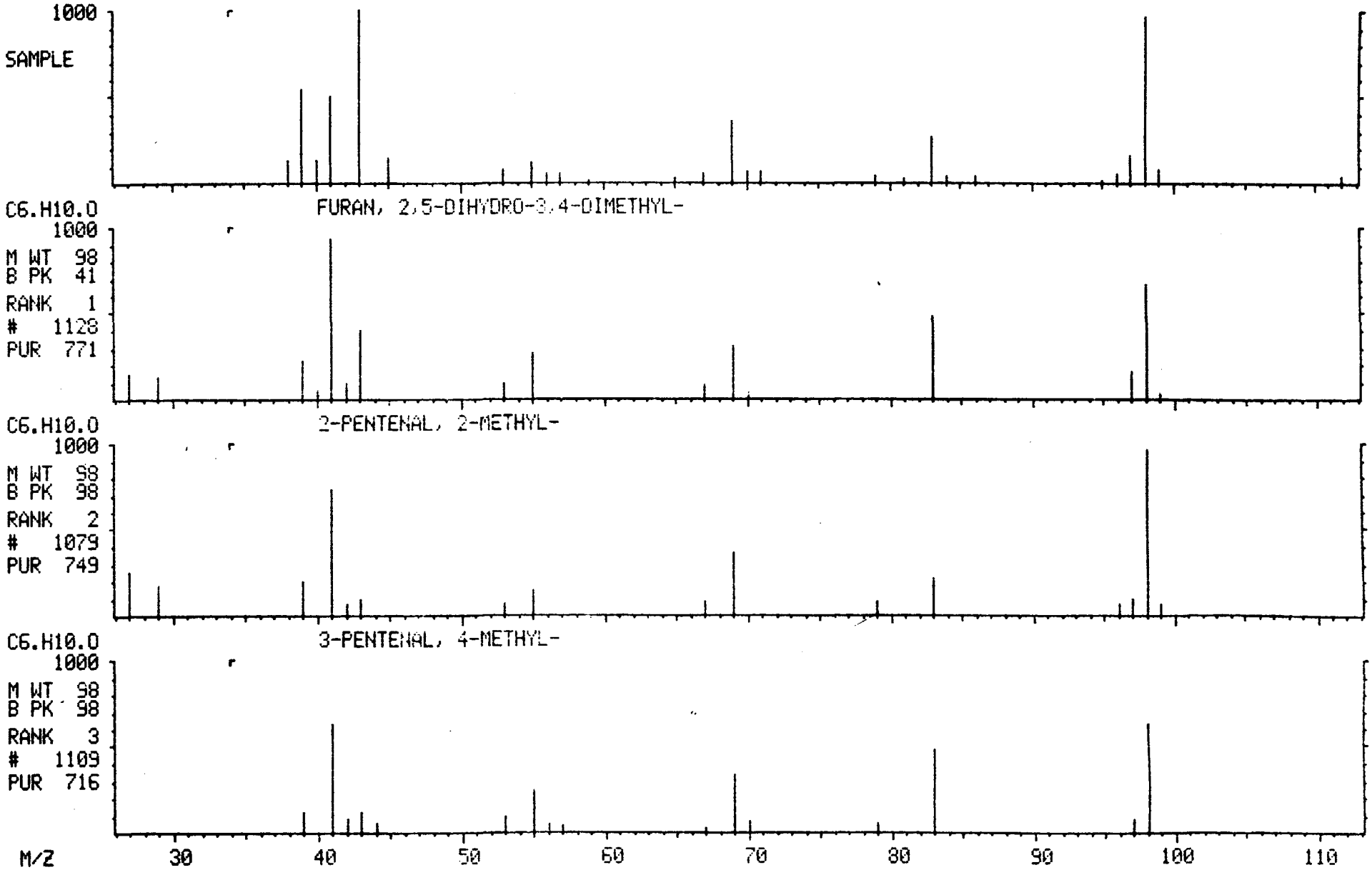


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 12:07
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1223
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 6832.

002475

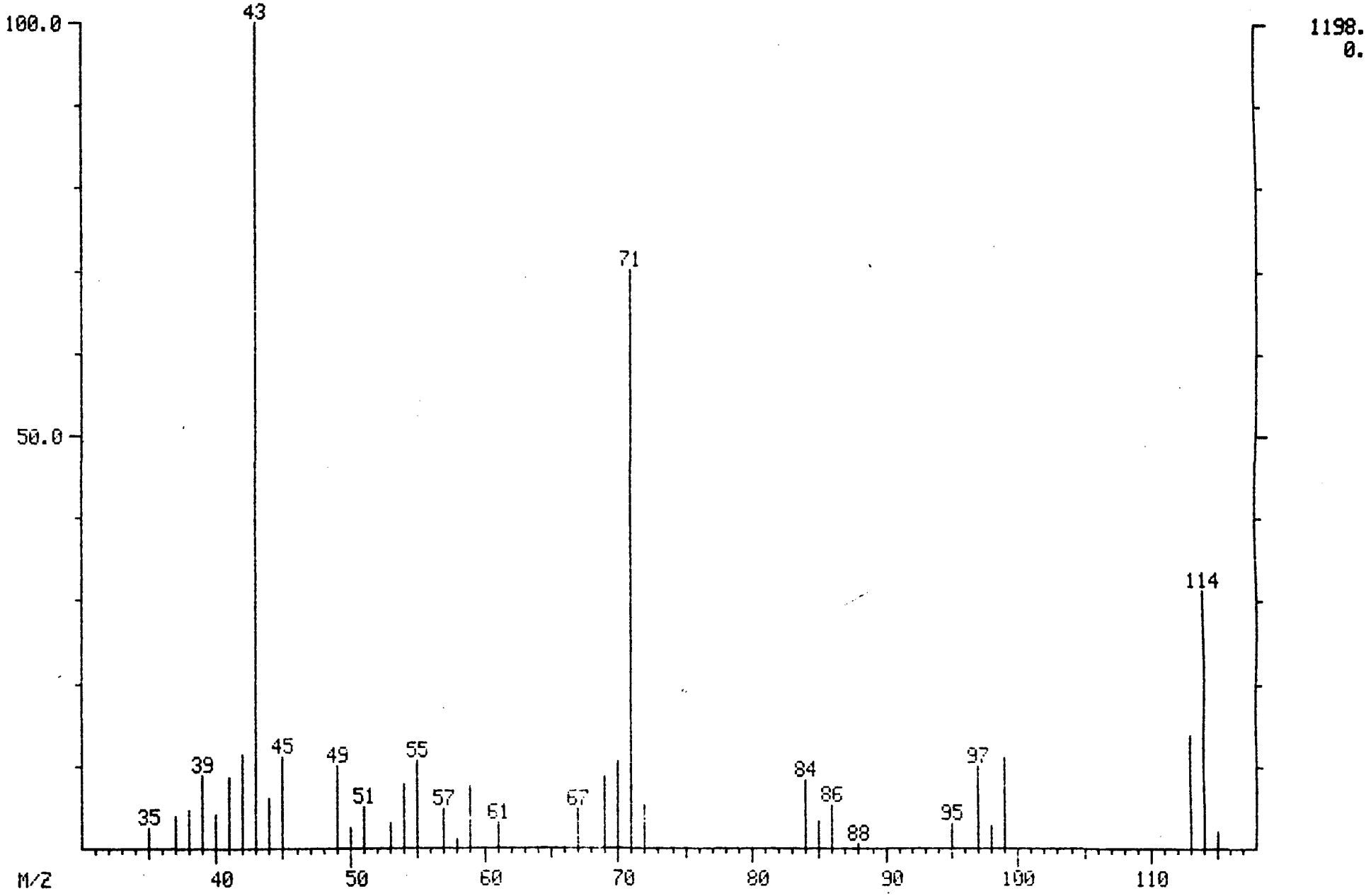


MASS SPECTRUM
04/19/91 11:22:00 + 12:15
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 123 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1236
CALI: APR19GK03 #3

BASE M/Z: 43
RIC: 4872.

002176

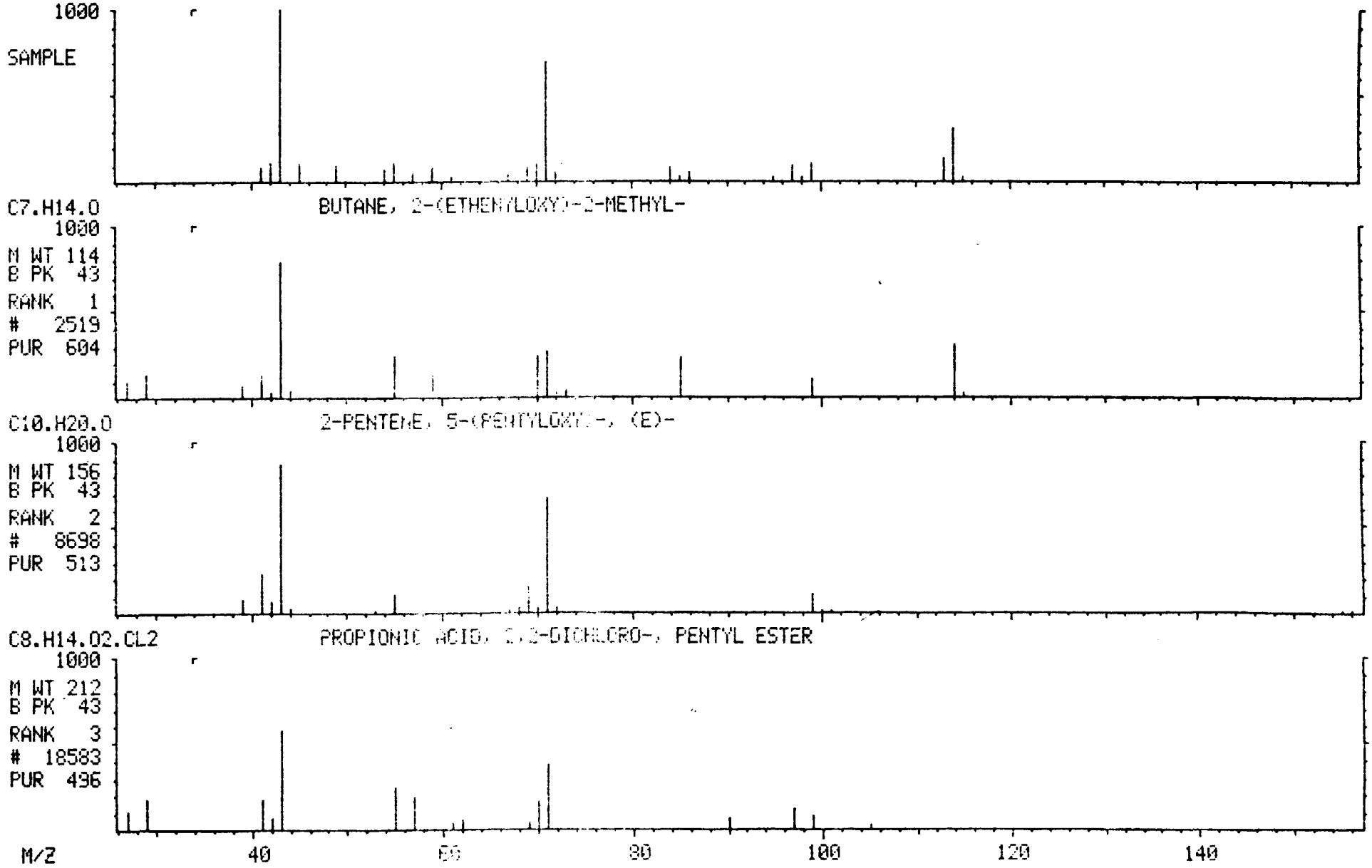


MID LIBRARY SEARCH (LIBRARY)
04/19/91 11:22:00 + 12:15
SAMPLE: 90947 GFC (BLANK) CLP 10L-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1236
CALI: APR19GK03 # 3

BASE M/Z: 43
RIC: 4360.

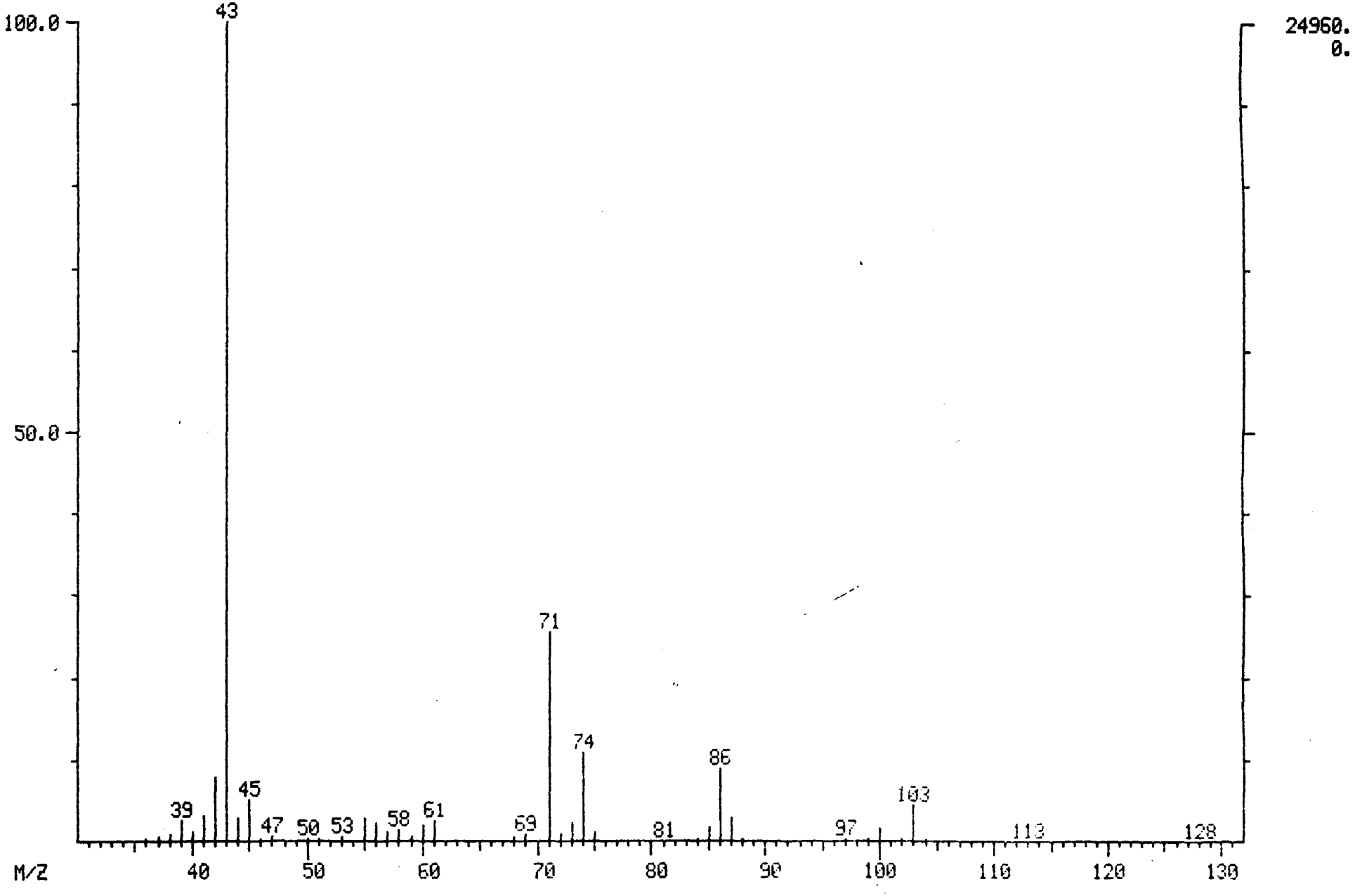
002477



MASS SPECTRUM
04/19/91 11:22:00 + 12:28
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 125 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1257
CALI: APR19GK03 #3

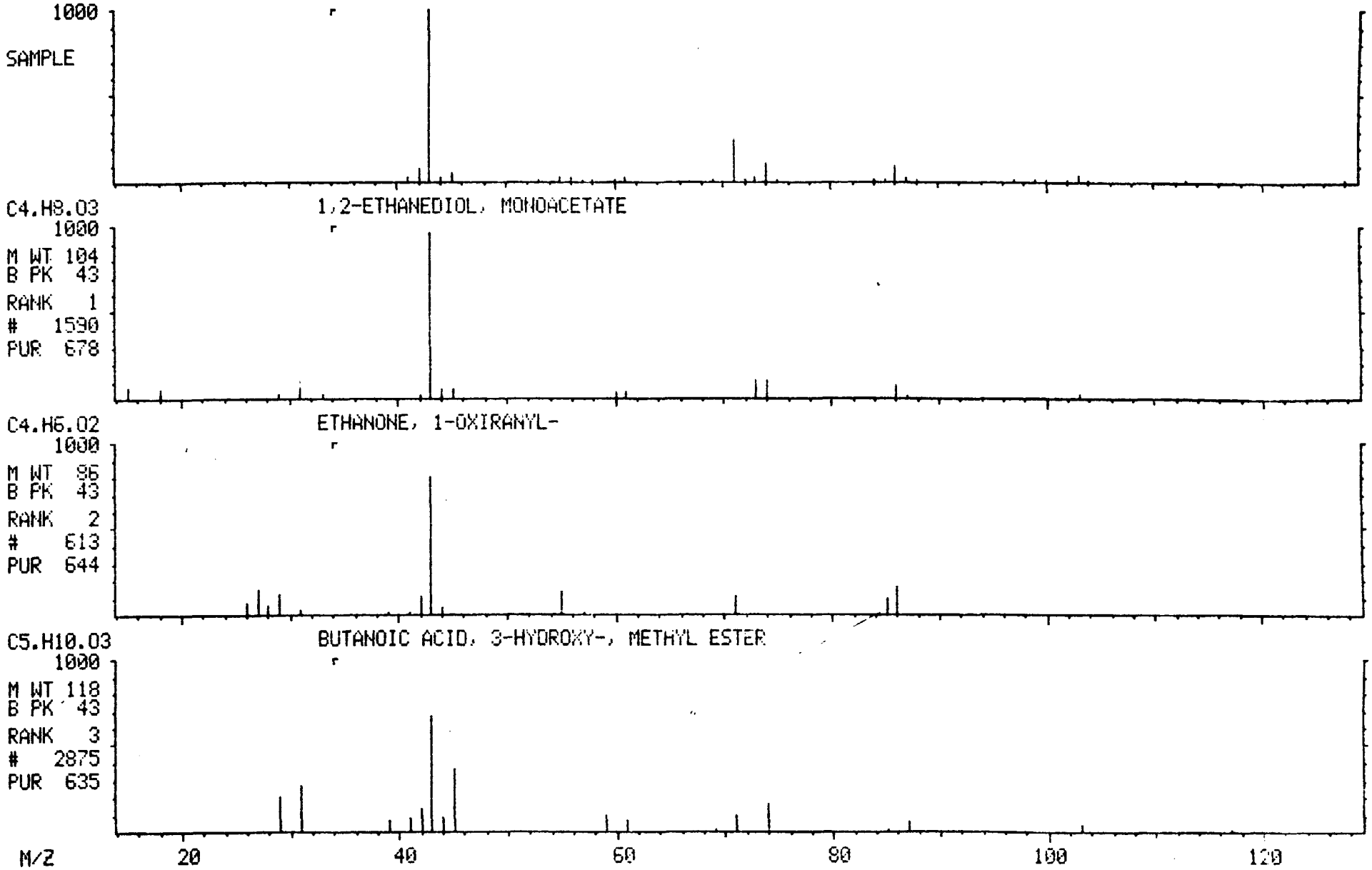
BASE M/Z: 43
RIC: 50240.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 12:28
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1257
CALI: APR19GK03 # 3

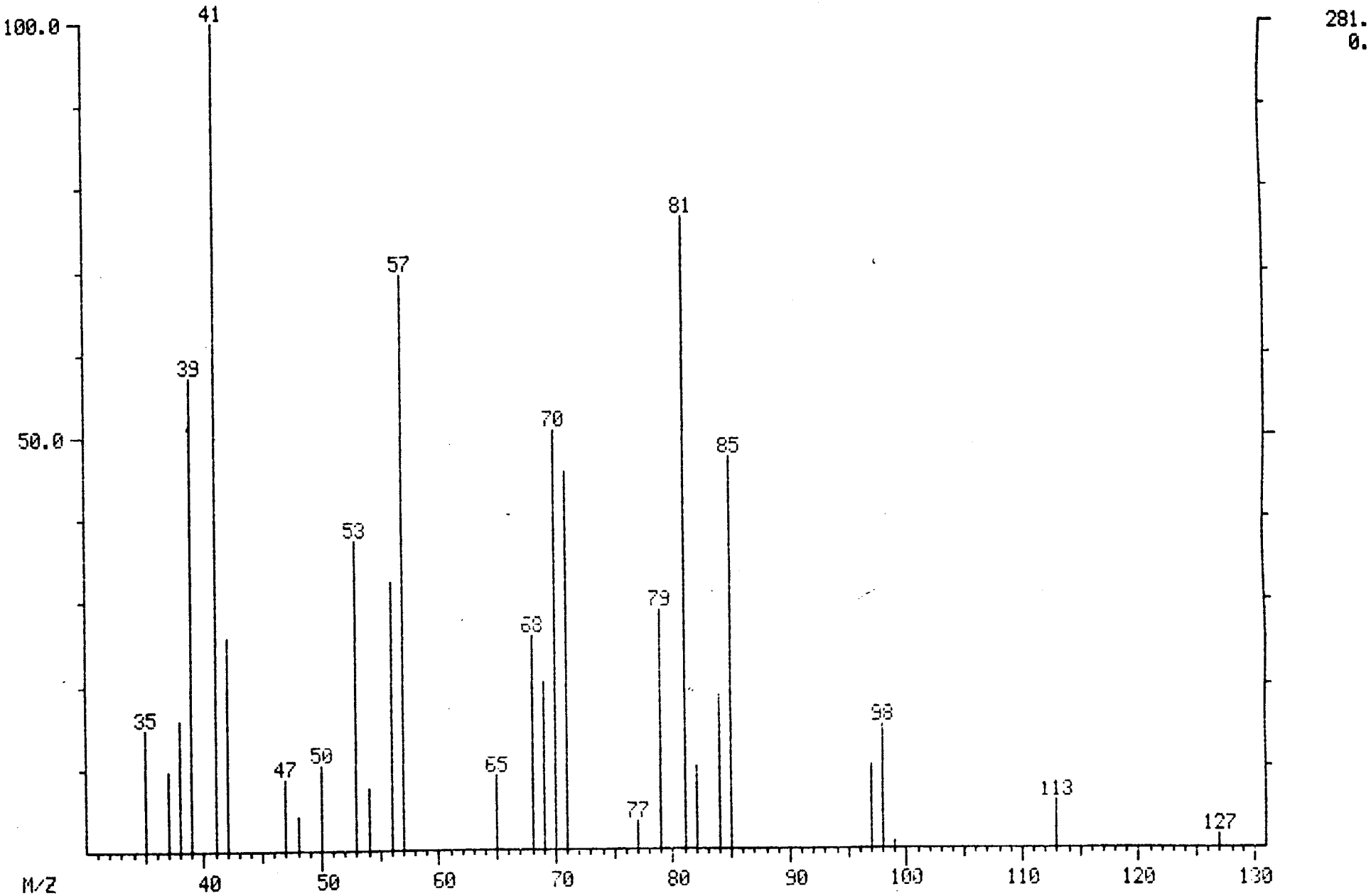
BASE M/Z: 43
RIC: 48320.



MASS SPECTRUM
04/19/91 11:22:00 + 12:36
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 126 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: APR19GK03 #1272
CALI: APR19GK03 #3

BASE M/Z: 41
RIC: 2144.

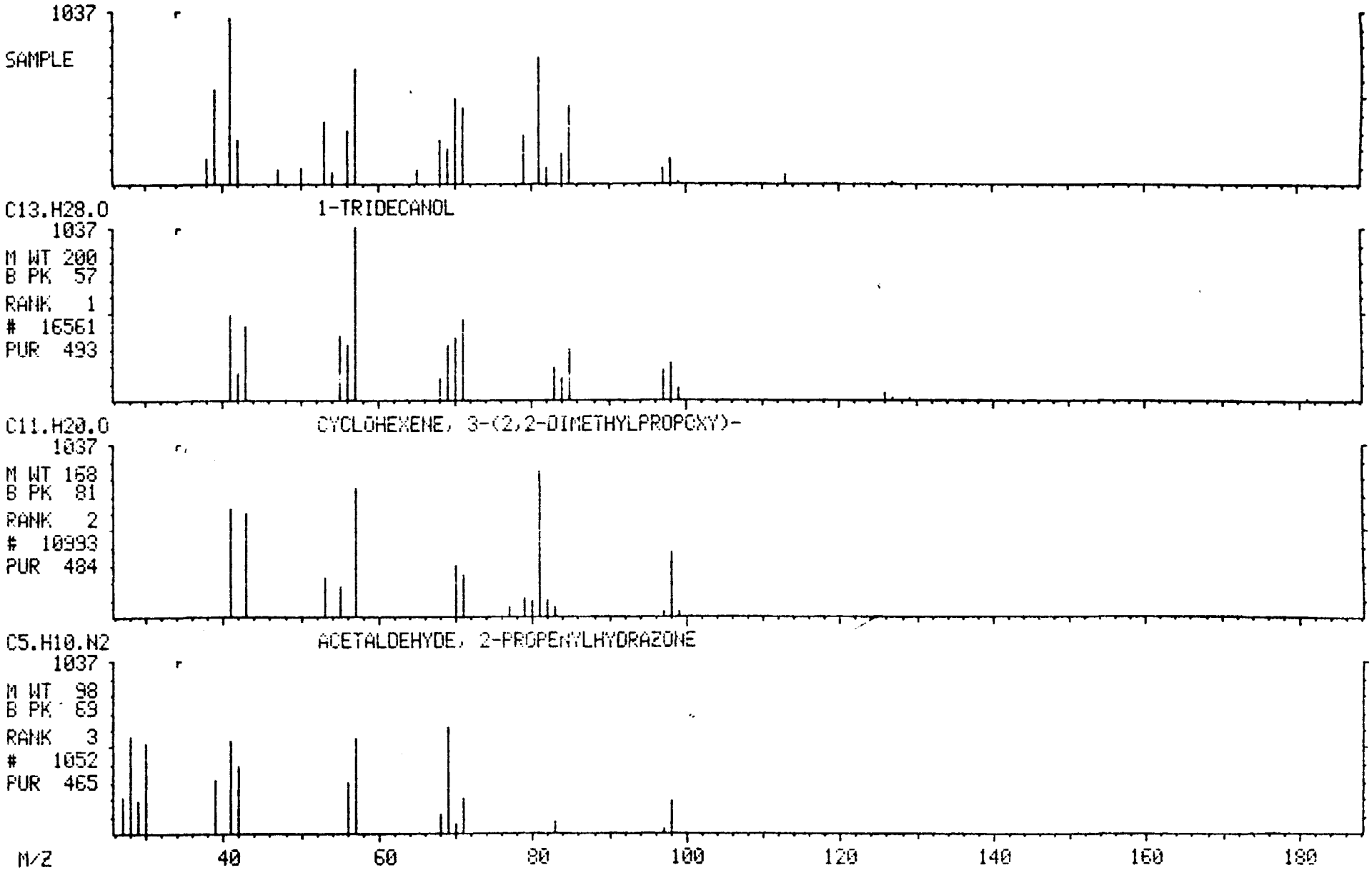


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 12:36
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #1272
CALI: APR19GK03 # 3

BASE M/Z: 41
RIC: 2052.

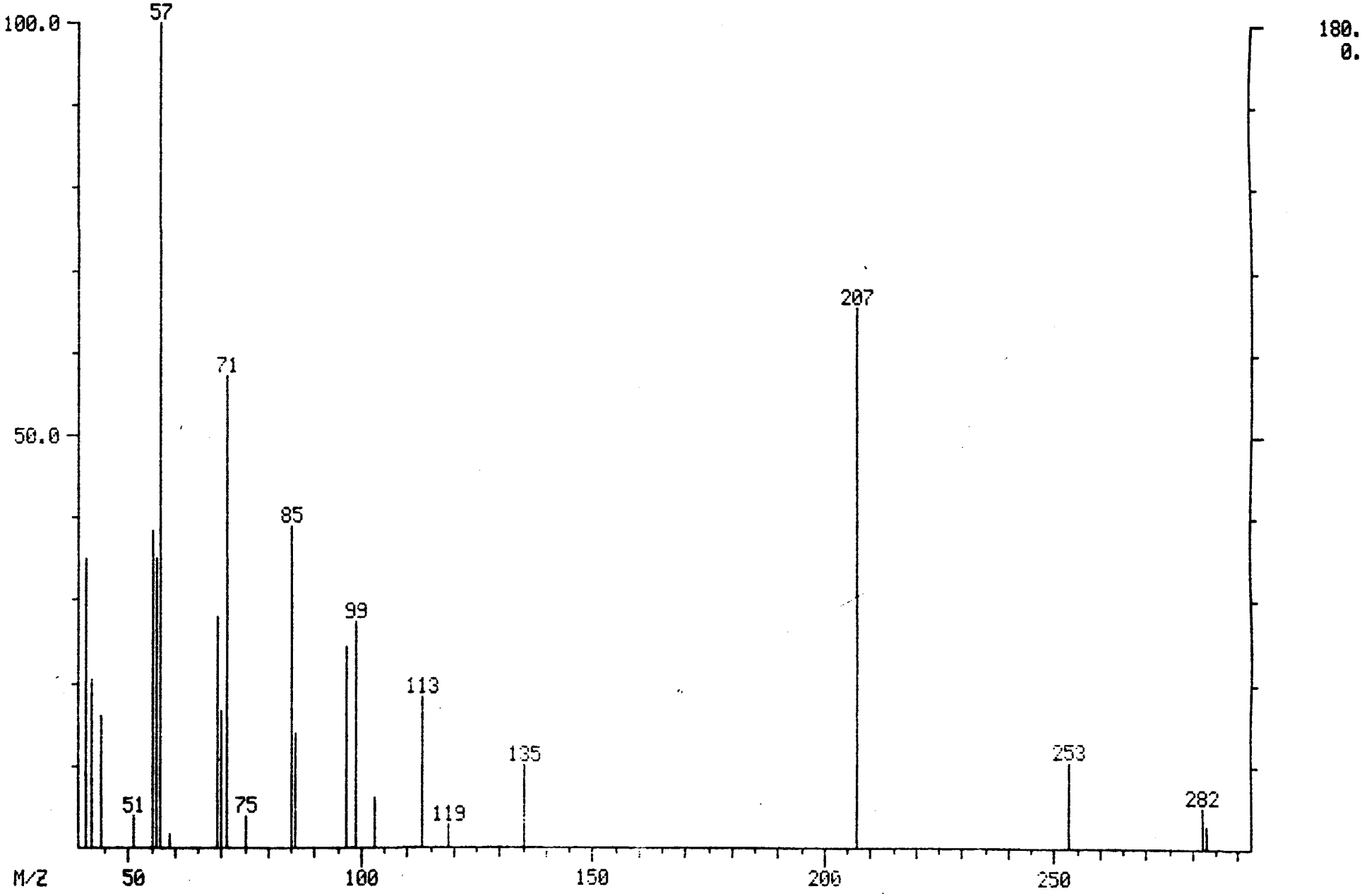
CC2181



MASS SPECTRUM
04/19/91 11:22:00 + 38:38
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #3898
CALI: APR19GK03 #3

BASE M/Z: 57
RIC: 1050.

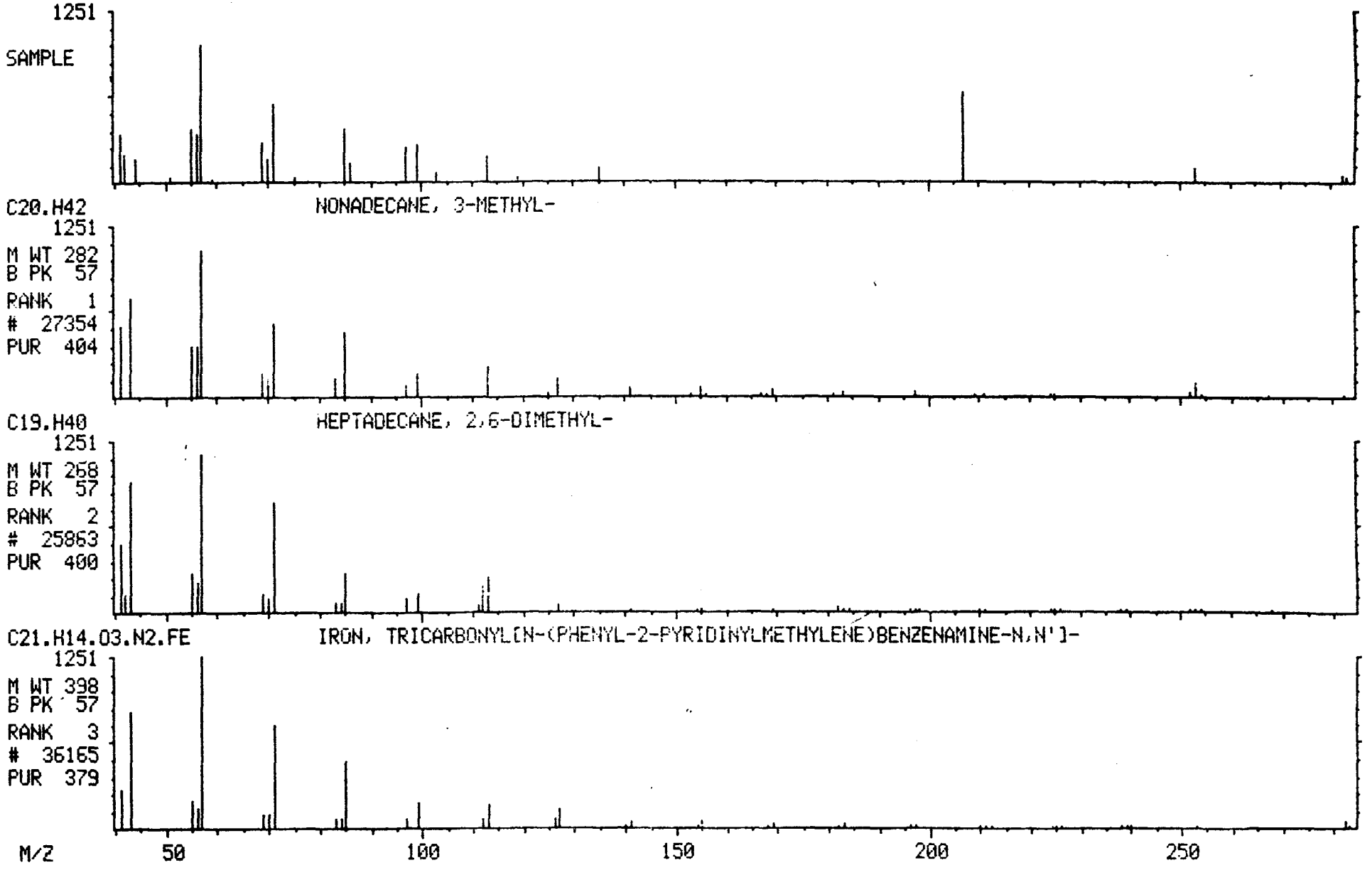


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 11:22:00 + 38:38
SAMPLE: 90947 GPC *BLANK* CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19GK03 #3898
CALI: APR19GK03 # 3

BASE M/Z: 57
RIC: 1050.

002483



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205MS

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190951

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/28/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205MS

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190951

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/28/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

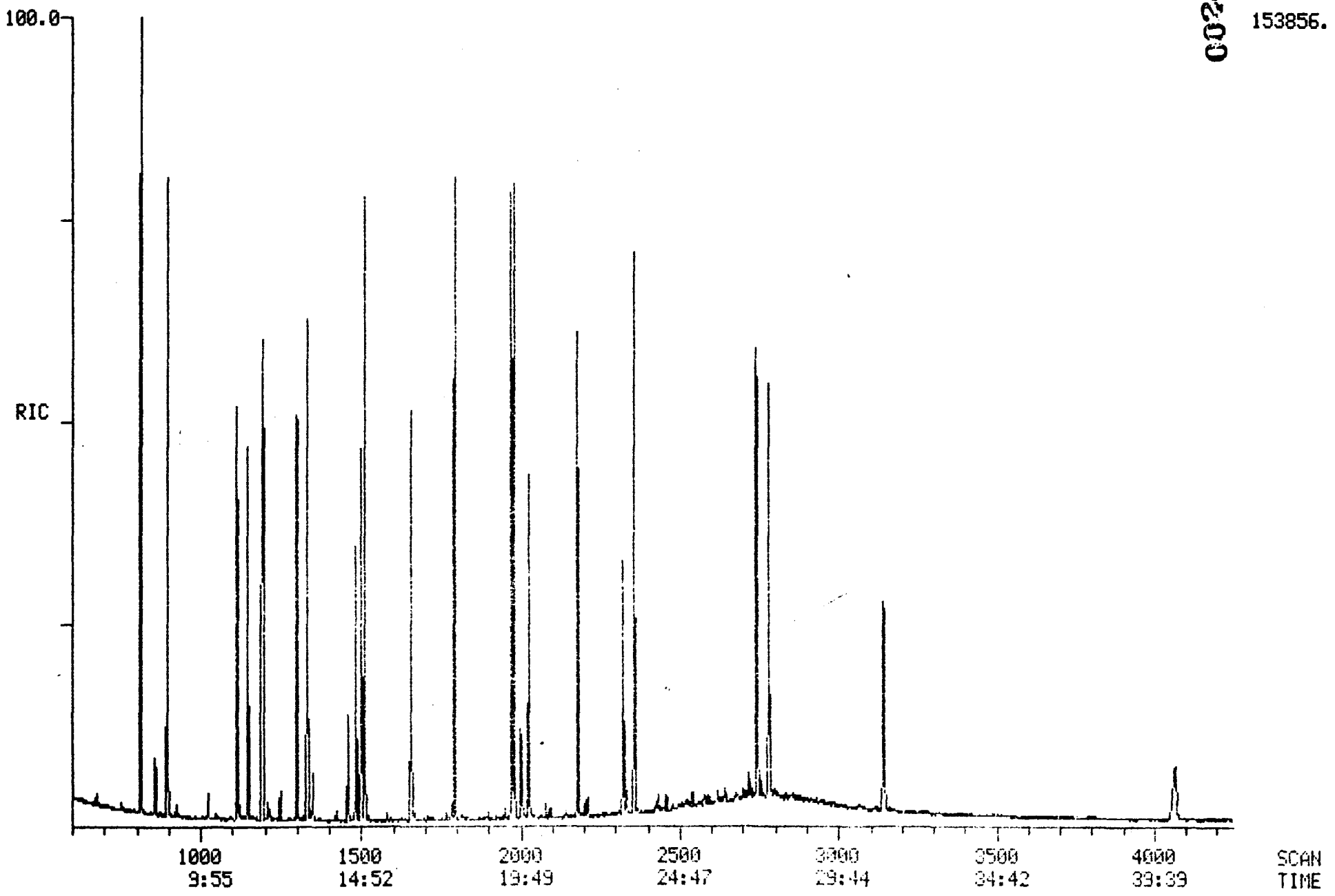
002485

G205MS

RIC
04/02/91 17:36:00
SAMPLE: 90951 MSP OH-/H+ 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,4250 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: APR02VG03 #1 SCANS 600 TO 4250
CALI: APR02VG03 #3

002186



Quantitation Report File: APR02VG03

Data: APR02VG03.TI
04/02/91 17:36:00
Sample: 90951 MSP OH-/H+ 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C550 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1192	11:49	1	1.000	A BB	74240.	40.000 UG/L	3.80
2	94	1117	11:04	1	0.937	A BB	38526.	17.530 UG/L	1.67
3	93	1124	11:08	1	0.943	A BB	2938.	1.617 UG/L	0.15
4	128	1148	11:23	1	0.963	A BB	55816.	37.002 UG/L	3.52
5	NOT FOUND								
6	146	1196	11:51	1	1.003	A BB	58716.	35.818 UG/L	3.41
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	108	1297	12:51	1	1.088	A BB	48.	0.030 UG/L	0.00
12	70	1301	12.54	1	1.091	A BB	54665.	37.522 UG/L	3.57
13	NOT FOUND								
14	112	898	8:54	1	0.753	A BV	98816.	57.980 %	5.51
15	99	1114	11:03	1	0.935	A BV	71406.	39.832 %	3.79
16	136	1512	14:59	16	1.000	A BB	168349.	40.000 UG/L	3.80
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	122	1460	14:28	16	0.966	A BB	96.	0.119 UG/L	0.01
22	NOT FOUND								
23	NOT FOUND								
24	190	1501	14:53	16	0.993	A BB	43340.	35.589 UG/L	3.38
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	167	1657	16.25	16	1.096	A BB	53575.	36.674 UG/L	3.49
29	NOT FOUND								
30	82	1333	13:13	16	0.882	A BV	102784.	84.962 %	8.08
31	168	1972	19:33	31	1.000	A BB	83408.	40.000 UG/L	3.80
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1932	19:09	31	0.980	A BB	176.	0.040 UG/L	0.00
39	NOT FOUND								
40	153	1981	19:38	31	1.005	A BB	98272.	38.723 UG/L	3.68
41	NOT FOUND								
42	109	2002	19:51	31	1.015	A BB	6475.	15.287 UG/L	1.45
43	168	2021	20:02	31	1.025	A BB	124.	0.034 UG/L	0.00
44	165	1926	19:05	31	0.977	A BB	322.	0.440 UG/L	0.04
45	165	2028	20:06	31	1.028	A BB	35892.	37.492 UG/L	3.57
46	149	2092	20:44	31	1.061	A BB	1192.	0.386 UG/L	0.04
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1795	17:48	31	0.910	A BV	126342.	83.642 %	7.95

Quantitation Report File: APR02VG03

Data: APR02VG03.TI
04/02/91 17:36:00
Sample: 90951 MSP OH-/H+ 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	C555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	C550 D14-TERPHENYL (SURROGATE)
71	C175 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

No	Ht	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	330	2120	21:37	31	1.105	A BB	28824.	77.493 %	7.37
2	188	2359	23:23	52	1.000	A BV	128364.	40.000 UG/L	3.80
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	266	2324	23:02	52	0.985	A BB	17468.	39.580 UG/L	3.76
7	178	2365	23:27	52	1.003	A BB	158.	0.041 UG/L	0.00
8	NOT FOUND								
9	149	2519	24:58	52	1.068	A BB	426.	0.091 UG/L	0.01
10	202	2683	26:36	52	1.137	A BB	274.	0.077 UG/L	0.01
11	77	2150	21:19	52	0.911	A*BV	192.	0.042 UG/L	0.00
12	202	2743	27:11	52	1.163	A BB	128617.	35.712 UG/L	3.40
13	NOT FOUND								
14	240	3143	31:09	64	1.000	A BB	72005.	40.000 UG/L	3.80
15	149	2929	29:02	64	0.932	A VV	754.	0.523 UG/L	0.05

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3162	31:21	64	1.006	A BB	666.	0.403 UG/L	0.04
69	NOT FOUND								
70	244	2782	27:35	64	0.885	A BB	90757.	96.851 %	9.21
71	264	4065	40:18	71	1.000	A BB	35458.	40.000 UG/L	3.80
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205MSD

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190951R

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. _____ dec. _____ Date Extracted: 03/28/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205MSD

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) WATER Lab Sample ID: D190951R

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/28/91

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.0

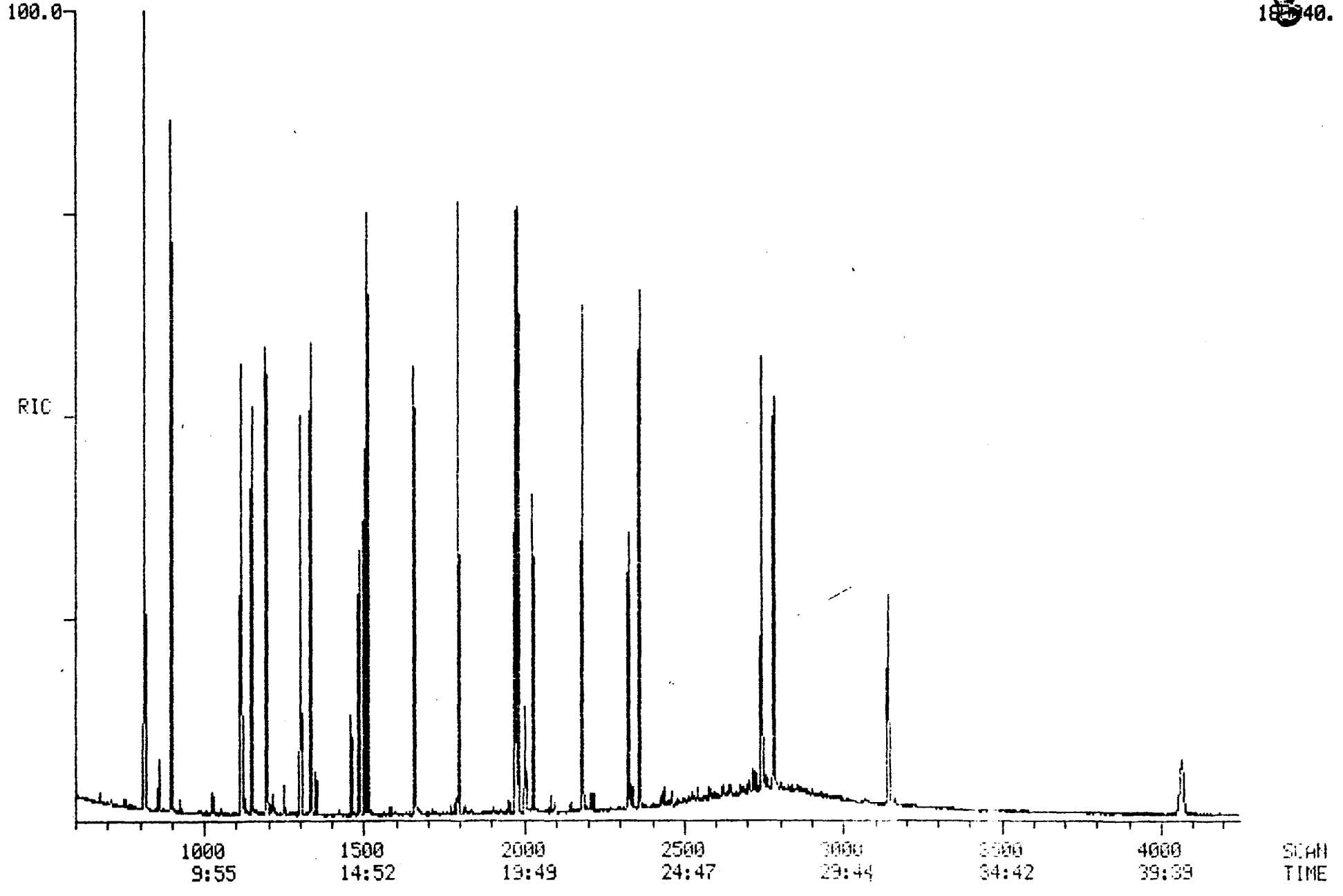
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

002492

G205 MSD

RIC DATA: APR02VG04 #1 SCANS 600 TO 4250
04/02/91 18:28:00 CALI: APR02VG04 #3
SAMPLE: 90951R MSP-D OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,4250 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



002193

Quantitation Report File: APR02VG04

Data: APR02VG04.TI
04/02/91 18:28:00
Sample: 90951R MSP-D OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

002494

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1195	11:51	1	1.000	A BB	86474.	40.000 UG/L	3.71
2	94	1120	11:06	1	0.937	A BB	51108.	19.965 UG/L	1.85
3	93	1127	11:10	1	0.943	A BB	3454.	1.633 UG/L	0.15
4	128	1151	11:25	1	0.963	A BV	73000.	41.548 UG/L	3.85
5	NOT FOUND								
6	146	1199	11:53	1	1.003	A BB	68500.	35.874 UG/L	3.33
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	70	1304	12:56	1	1.091	A BB	63360.	37.338 UG/L	3.46
13	NOT FOUND								
14	112	901	8:56	1	0.754	A BB	128428.	64.694 %	6.00
15	99	1117	11:04	1	0.935	A BV	95085.	45.536 %	4.22
16	136	1515	15:01	16	1.000	A BV	192722.	40.000 UG/L	3.71
17	NOT FOUND								
18	82	1399	13:52	16	0.923	A BB	88.	0.019 UG/L	0.00
19	NOT FOUND								
20	NOT FOUND								
21	122	1463	14:30	16	0.966	A BB	56.	0.061 UG/L	0.01
22	NOT FOUND								
23	162	1481	14:41	16	0.978	A BB	120.	0.090 UG/L	0.01
24	180	1504	14:54	16	0.993	A BB	50478.	36.208 UG/L	3.36
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	107	1660	16:27	16	1.096	A BB	68520.	40.973 UG/L	3.80
29	NOT FOUND								
30	82	1336	13:15	16	0.882	A BV	114379.	82.590 %	7.66
31	162	1975	19:35	31	1.000	A BB	95532.	40.000 UG/L	3.71
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1935	19:11	31	0.980	A BB	166.	0.033 UG/L	0.00
39	NOT FOUND								
40	153	1984	19:40	31	1.005	A BB	110424.	37.989 UG/L	3.52
41	NOT FOUND								
42	109	2005	19:52	31	1.015	A BB	8895.	18.335 UG/L	1.70
43	168	2024	20:04	31	1.025	A BB	40.	0.009 UG/L	0.00
44	165	1929	19:07	31	0.977	A BB	354.	0.423 UG/L	0.04
45	165	2030	20:07	31	1.028	A BB	39930.	36.417 UG/L	3.38
46	149	2095	20:46	31	1.061	A BB	1110.	0.314 UG/L	0.03
47	NOT FOUND								
48	NOT FOUND								
49	138	2123	21:03	31	1.075	A BB	84.	0.100 UG/L	0.01
50	172	1798	17:49	31	0.910	A BB	141406.	81.734 %	7.58

Quantitation Report File: APR02VG04

Data: APR02VG04.TI
04/02/91 18:28:00
Sample: 90951R MSP-D OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	CS31 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	CI70 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	CS30 D14-TERPHENYL (SURROGATE)
71	CI75 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I))PERYLENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2183	21:39	31	1.105	A BB	33500.	78.635 %	7.29
52	188	2362	23:25	52	1.000	A BV	143455.	40.000 UG/L	3.71
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	266	2327	23:04	52	0.985	A BV	22456.	45.530 UG/L	4.22
57	178	2368	23:28	52	1.003	A*BB	186.	0.043 UG/L	0.00
58	NOT FOUND								
59	149	2522	25:00	52	1.068	A BB	546.	0.105 UG/L	0.01
60	202	2685	26:37	52	1.137	A BB	220.	0.055 UG/L	0.01
61	77	2153	21:20	52	0.912	A*BB	175.	0.034 UG/L	0.00
62	202	2746	27:13	52	1.163	A BB	145980.	36.269 UG/L	3.36
63	NOT FOUND								
64	240	3146	31:11	64	1.000	A BB	84520.	40.000 UG/L	3.71
65	149	2933	29:04	64	0.932	A BV	616.	0.364 UG/L	0.03

002496

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3166	31:23	64	1.006	A BB	1862.	0.961 UG/L	0.09
69	NOT FOUND								
70	244	2785	27:36	64	0.885	A BB	103503.	94.099 %	8.73
71	264	4066	40:18	71	1.000	A BB	43379.	40.000 UG/L	3.71
72	149	3502	34:43	71	0.861	A*BB	74.	0.033 UG/L	0.00
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X114MS

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190946

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR23GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/23/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
39638-32-9	bis(2-Chloroisopropyl)Ether	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X114MS

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190946

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR23GK03

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/23/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-10-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

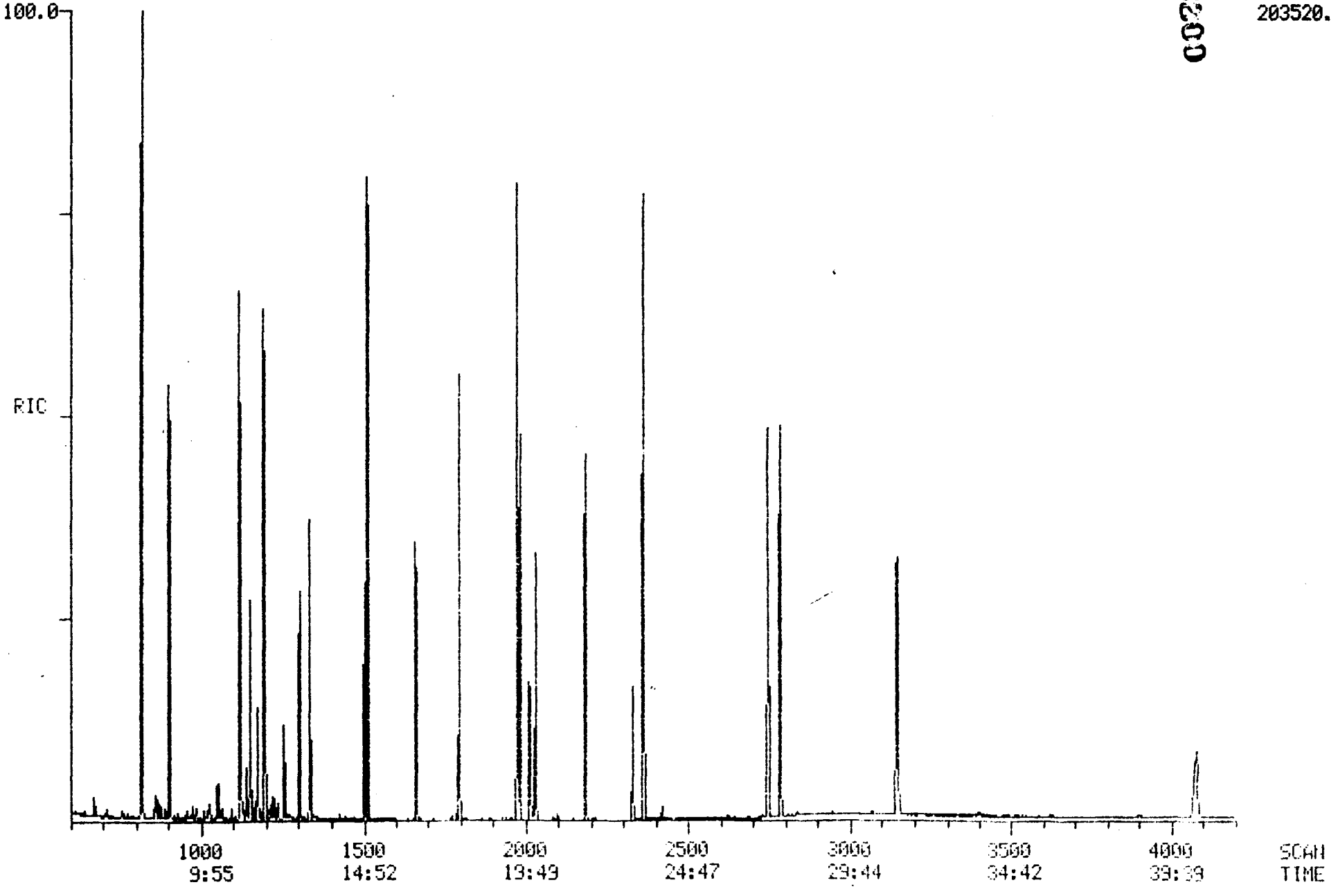
(1) - Cannot be separated from Diphenylamine

002499

X114 MS

RIC DATA: APR23GK03 #1 SCANS 600 TO 4200
04/23/91 10:32:00 CALI: APR23GK03 #3
SAMPLE: 90946 GPC CLP *MS* 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,4200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

002500



Quantitation Report File: APR23GK03

Data: APR23GK03.TI
04/23/91 10:32:00
Sample: 90946 GPC CLP *MS* 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	CI30 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	CS50 2-FLUOROPHENOL (SURROGATE)
15	CS45 D6-PHENOL (SURROGATE)
16	CI40 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	CS20 D5-NITROBENZENE (SURROGATE)
31	CI50 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

002501

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	CS25 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1194	11:50	1	1.000	A BB	95432.	40.000 UG/L	4.32
2	94	1122	11:07	1	0.940	A BB	53668.	23.619 UG/L	2.55
3	NOT FOUND								
4	128	1152	11:25	1	0.965	A BB	37218.	21.332 UG/L	2.30
5	NOT FOUND								
6	146	1198	11:52	1	1.003	A BB	40620.	21.042 UG/L	2.27
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	45	1268	12.34	1	1.062	A BB	290.	0.111 UG/L	0.01
11	NOT FOUND								
12	70	1303	12:55	1	1.091	A BB	34010.	23.035 UG/L	2.49
13	NOT FOUND								
14	118	902	8:56	1	0.755	A BB	86430.	63.207 %	6.83
15	99	1119	11:05	1	0.937	A BB	113687.	74.504 %	8.05
16	136	1314	15:00	16	1.000	A BB	228542.	40.000 UG/L	4.32
17	77	1335	13:14	16	0.882	A BB	382.	0.175 UG/L	0.02
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	181	1514	14:54	16	0.993	A BB	31754.	22.233 UG/L	2.40
25	108	1519	15:02	16	1.003	A BB	126.	0.024 UG/L	0.00
26	NOT FOUND								
27	NOT FOUND								
28	107	1662	16:28	16	1.098	A BB	43730.	24.784 UG/L	2.68
29	148	1672	16:37	16	1.122	A BB	68.	0.019 UG/L	0.00
30	88	1325	13:14	16	0.882	A BB	72468.	61.556 %	6.65
31	[illegible]	1975	19:25	31	1.000	A BB	112370.	40.000 UG/L	4.32
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	190	1934	19:10	31	0.979	A BB	132.	0.027 UG/L	0.00
39	NOT FOUND								
40	197	1989	19:35	31	1.004	A BB	76768.	26.784 UG/L	2.89
41	NOT FOUND								
42	[illegible]	[illegible]	19:[illegible]	31	1.018	A BV	20083.	29.866 UG/L	3.23
43	[illegible]	[illegible]	20:04	31	1.025	A BB	148.	0.033 UG/L	0.00
44	[illegible]	1938	19:07	31	0.976	A BB	226.	0.245 UG/L	0.03
45	[illegible]	[illegible]	20:18	31	1.028	A BB	35170.	29.224 UG/L	3.16
46	[illegible]	[illegible]	21:45	31	1.060	A BB	76.	0.020 UG/L	0.00
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	[illegible]	[illegible]	[illegible]	31	[illegible]	A BB	110274.	78.954 %	8.33

Quantitation Report File: APR23GK03

Data: APR23GK03 TI
04/23/91 10:32:00
Sample: 4024A SPC [illegible] *MS* 10UL-1.0ML
Column: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Ref: Ref: Prim Library Entry

[illegible]
[illegible] 2,4,6-TRIBROMOPHENOL (SURROGATE)
[illegible] D10-PHENANTHRENE (INTERNAL)
[illegible] 4,6-DINITRO-2-METHYLPHENOL
[illegible] 4-BROMOPHENYL PHENYL ETHER
[illegible] HEXACHLOROBENZENE
[illegible] PENTACHLOROPHENOL
[illegible] PHENANTHRENE
[illegible] ANTHRACENE
[illegible] DI-N-BUTYLPHTHALATE
[illegible] FLUORANTHENE
[illegible] PYRENE
[illegible] DIBENZOFURAN
[illegible] 4-NITROANILINE
[illegible] D4-NITROBENZENE (INTERNAL)
[illegible] BUTYLBENZYL PHTHALATE
[illegible] 3,3'-DICHLOROBENZIDINE
[illegible] BENZO(A)ANTHRACENE
[illegible] BIS(2-ETHYLHEXYL)PHTHALATE
[illegible] CHRYSENE
[illegible] D14-TERPHENYL (SURROGATE)
[illegible] D12-PERYLENE (INTERNAL)
[illegible] DI-N-OCTYLPHTHALATE
[illegible] BENZO(B)FLUORANTHENE
[illegible] BENZO(K)FLUORANTHENE
[illegible] BENZO(A)PYRENE
[illegible] INDENO(1,2,3-CD)PYRENE
[illegible] DIBENZO(A,H)ANTHRACENE
[illegible] BENZO(G,H,I)PERYLENE

	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
[illegible]	330	2183	21:38	31	1.105	A BB	22194.	67.589 %	7.30
[illegible]	168	2362	23:25	52	1.000	A BV	193990.	40.000 UG/L	4.32
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	266	2328	23:05	52	0.986	A BB	11132.	21.625 UG/L	2.34
[illegible]	178	2368	23:28	52	1.003	A BB	734.	0.151 UG/L	0.02
[illegible]	178	2380	23:35	52	1.008	A BB	168.	0.034 UG/L	0.00
[illegible]	149	2521	24:59	52	1.067	A BB	1052.	0.170 UG/L	0.02
[illegible]	202	2685	26:37	52	1.137	A BB	934.	0.202 UG/L	0.02
[illegible]	NOT FOUND								
[illegible]	202	2746	27:13	52	1.163	A BB	153082.	33.260 UG/L	3.59
[illegible]	NOT FOUND								
[illegible]	240	3148	31:12	64	1.000	A BB	123348.	40.000 UG/L	4.32
[illegible]	149	2932	29:04	64	0.931	A BB	204.	0.081 UG/L	0.01

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3141	31:08	64	0.998	A BV	266.	0.078 UG/L	0.01
68	149	3167	31:23	64	1.006	A BB	306.	0.122 UG/L	0.01
69	228	3160	31:19	64	1.004	A BB	660.	0.209 UG/L	0.02
70	244	2784	27:36	64	0.884	A BB	115337.	61.490 %	6.64
71	264	4077	40:25	71	1.000	A BB	66919.	40.000 UG/L	4.32
72	NOT	FOUND							
73	252	3765	37:19	71	0.923	A*BB	108.	0.050 UG/L	0.01
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

)114MSD

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190946R

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR23GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/23/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	330	U
111-44-4	bis(2-Chloroethyl)Ether	330	U
95-57-8	2-Chlorophenol	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
100-51-6	Benzyl Alcohol	330	U
95-50-1	1,2-Dichlorobenzene	330	U
95-48-7	2-Methylphenol	330	U
39638-32-9	bis(2-Chloroisopropyl)Ether	330	U
106-44-5	4-Methylphenol	330	U
621-64-7	N-Nitroso-Di-n-Propylamine	330	U
67-72-1	Hexachloroethane	330	U
98-95-3	Nitrobenzene	330	U
78-59-1	Isophorone	330	U
88-75-5	2-Nitrophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
65-85-0	Benzoic Acid	1600	U
111-91-1	bis(2-Chloroethoxy)Methane	330	U
120-83-2	2,4-Dichlorophenol	330	U
120-82-1	1,2,4-Trichlorobenzene	330	U
91-20-3	Naphthalene	330	U
106-47-8	4-Chloroaniline	330	U
87-68-3	Hexachlorobutadiene	330	U
59-50-7	4-Chloro-3-Methylphenol	330	U
91-57-6	2-Methylnaphthalene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	330	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl Phthalate	330	U
208-96-8	Acenaphthylene	330	U
606-20-2	2,6-Dinitrotoluene	330	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X114MSD

Lab Name: ILLINOIS EPA Contract: _____

Lab Code: SPRFLD Case No.: SAUGET SAS No.: _____ SDG No.: D19089

Matrix: (soil/water) SOIL Lab Sample ID: D190946R

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR23GK04

Level: (low/med) LOW Date Received: 03/28/91

% Moisture: not dec. ____ dec. ____ Date Extracted: 03/29/91

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/23/91

GPC Cleanup: (Y/N) Y pH: _____ Dilution Factor: 0.50

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	330	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	330	U
121-14-2	2,4-Dinitrotoluene	330	U
84-66-2	Diethylphthalate	330	U
7005-72-3	4-Chlorophenyl-phenylether	330	U
86-73-7	Fluorene	330	U
100-10-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-Methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine (1)	330	U
101-55-3	4-Bromophenyl-phenylether	330	U
118-74-1	Hexachlorobenzene	330	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
84-74-2	Di-n-Butylphthalate	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
85-68-7	Butylbenzylphthalate	330	U
91-94-1	3,3'-Dichlorobenzidine	660	U
56-55-3	Benzo(a)Anthracene	330	U
218-01-9	Chrysene	330	U
117-81-7	bis(2-Ethylhexyl)Phthalate	330	U
117-84-0	Di-n-Octyl Phthalate	330	U
205-99-2	Benzo(b)Fluoranthene	330	U
207-08-9	Benzo(k)Fluoranthene	330	U
50-32-8	Benzo(a)Pyrene	330	U
193-39-5	Indeno(1,2,3-cd)Pyrene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
191-24-2	Benzo(g,h,i)Perylene	330	U

(1) - Cannot be separated from Diphenylamine

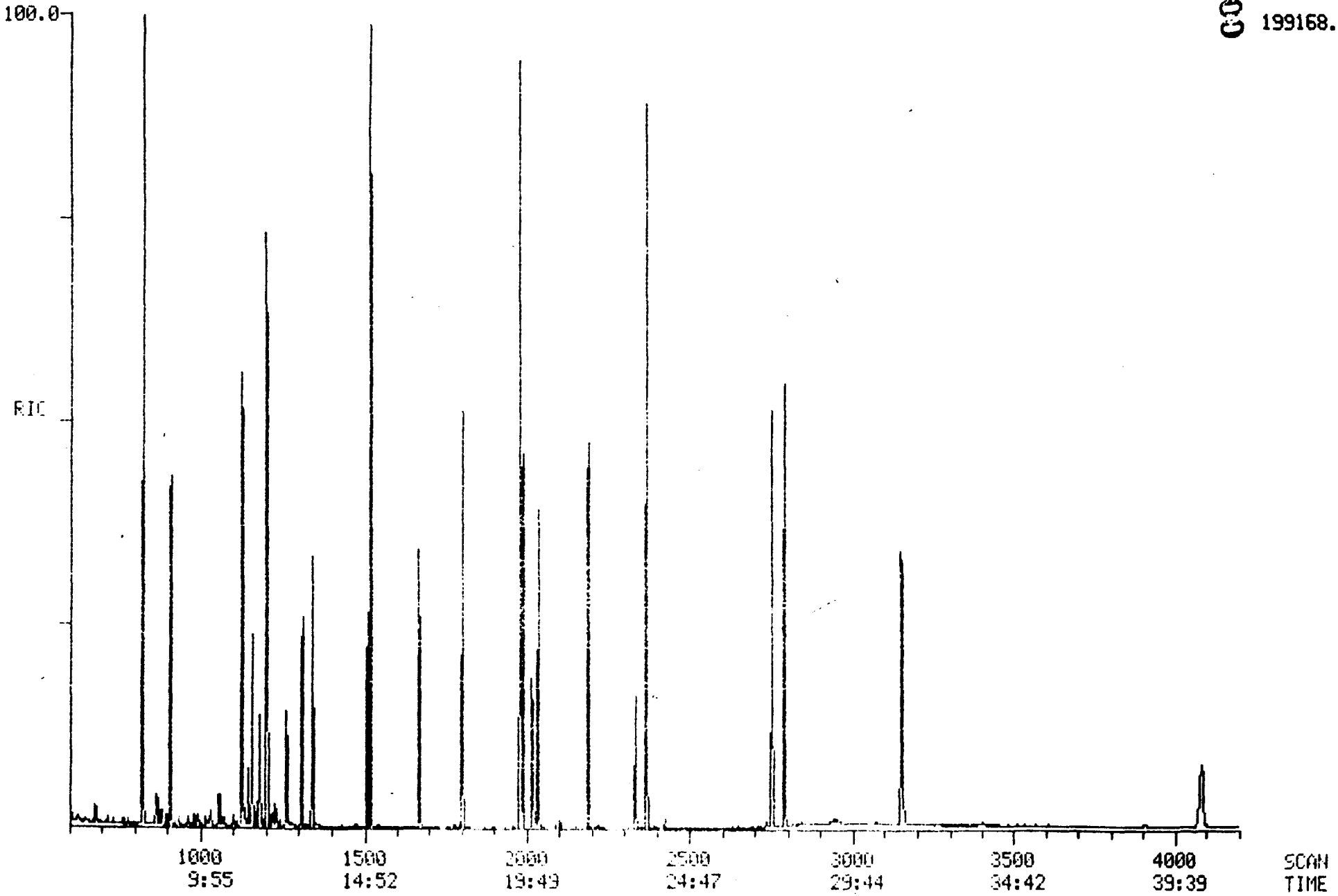
X 114 MSD

RIC
04/23/91 11:31:00
SAMPLE: 90946R GPC CLP #MSD# 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
RANGE: G 1,4200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: MFP.30K04 #1 SCANS 600 TO 4200
CALI: MFP2 30.04 #3

002507

199168.



Quantitation Report File: APR23GK04

Data: APR23GK04.TI
04/23/91 11:31:00
Sample: 90946R GPC CLP *MSD* 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
1	C130 D4-1,4-DICHLOROBENZENE (INTERNAL)
2	C315 PHENOL
3	C325 BIS(2-CHLOROETHYL)ETHER
4	C330 2-CHLOROPHENOL
5	C335 1,3-DICHLOROBENZENE
6	C340 1,4-DICHLOROBENZENE
7	C350 1,2-DICHLOROBENZENE
8	C345 BENZYL ALCOHOL
9	C355 2-METHYLPHENOL
10	C360 BIS(2-CHLOROISOPROPYL) ETHER
11	C365 4-METHYLPHENOL
12	C370 N-NITROSO-DI-N-PROPYLAMINE
13	C375 HEXACHLOROETHANE
14	C380 2-FLUOROPHENOL (SURROGATE)
15	C545 D6-PHENOL (SURROGATE)
16	C140 D8-NAPHTHALENE (INTERNAL)
17	C410 NITROBENZENE
18	C415 ISOPHORONE
19	C420 2-NITROPHENOL
20	C425 2,4-DIMETHYLPHENOL
21	C430 BENZOIC ACID
22	C435 BIS(2-CHLOROETHOXY) METHANE
23	C440 2,4-DICHLOROPHENOL
24	C445 1,2,4-TRICHLOROBENZENE
25	C450 NAPHTHALENE
26	C455 4-CHLOROANILINE
27	C460 HEXACHLOROBUTADIENE
28	C465 4-CHLORO-3-METHYLPHENOL
29	C470 2-METHYLNAPHTHALENE
30	C520 D5-NITROBENZENE (SURROGATE)
31	C150 D10-ACENAPHTHENE (INTERNAL)
32	C510 HEXACHLOROCYCLOPENTADIENE
33	C515 2,4,6-TRICHLOROPHENOL
34	C520 2,4,5-TRICHLOROPHENOL
35	C525 2-CHLORONAPHTHALENE
36	C530 2-NITROANILINE
37	C535 DIMETHYLPHTHALATE
38	C540 ACENAPHTHYLENE
39	C545 3-NITROANILINE
40	C550 ACENAPHTHENE
41	C555 2,4-DINITROPHENOL
42	C560 4-NITROPHENOL
43	C565 DIBENZOFURAN
44	C543 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

002508

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C525 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1200	11:54	1	1.000	A BB	107302.	40.000 UG/L	4.93
2	94	1128	11:11	1	0.940	A BB	47374.	18.543 UG/L	2.29
3	NOT FOUND								
4	128	1158	11:29	1	0.965	A BB	33778.	17.219 UG/L	2.12
5	NOT FOUND								
6	146	1204	11:56	1	1.003	A BB	36114.	16.638 UG/L	2.05
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	45	1274	12:38	1	1.062	A BB	212.	0.072 UG/L	0.01
11	NOT FOUND								
12	70	1309	12:58	1	1.091	A BB	29696.	17.888 UG/L	2.20
13	NOT FOUND								
14	112	909	9:01	1	0.757	A BB	72610.	47.226 %	5.82
15	99	1125	11:09	1	0.937	A BB	96943.	56.502 %	6.96
16	136	1520	15:04	16	1.000	A BB	265067.	40.000 UG/L	4.93
17	77	1341	13:18	16	0.882	A BB	214.	0.085 UG/L	0.01
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	180	1509	14:57	16	0.993	A BB	28374.	17.129 UG/L	2.11
25	182	1524	15:06	16	1.003	A BB	68.	0.014 UG/L	0.00
26	NOT FOUND								
27	NOT FOUND								
28	197	1668	16:32	16	1.097	A BB	44676.	21.831 UG/L	2.69
29	147	1702	16:52	16	1.120	A BB	68.	0.017 UG/L	0.00
30	82	1341	13:18	16	0.882	A BB	62492.	45.767 %	5.64
31	188	1981	19:13	31	1.000	A BB	133388.	40.000 UG/L	4.93
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1940	19:14	31	0.979	A BB	86.	0.015 UG/L	0.00
39	NOT FOUND								
40	153	1989	19:43	31	1.004	A BB	75228.	22.111 UG/L	2.73
41	NOT FOUND								
42	109	2016	19:59	31	1.018	A BB	21785.	27.292 UG/L	3.36
43	NOT FOUND								
44	165	1934	19:10	31	0.976	A BB	296.	0.270 UG/L	0.03
45	165	2036	20:11	31	1.028	A BB	40796.	28.557 UG/L	3.52
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1802	17:52	31	0.910	A BB	103186.	62.238 %	7.67

Quantitation Report File: APR23GK04

Data: APR23GK04.TI
04/23/91 11:31:00
Sample: 90946R GPC CLP *MSD* 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp fac. from Library Entry

No	Name
51	C555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	C160 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	C170 D12-CHRYSENE (INTERNAL)
65	C720 BUTYLBENZYLPHTHALATE
66	C725 3,3'-DICHLOROBENZIDINE
67	C730 BENZO(A)ANTHRACENE
68	C745 BIS(2-ETHYLHEXYL)PHTHALATE
69	C740 CHRYSENE
70	C771 O-TERPHENYL (SURROGATE)
71	C175 D12-PERYLENE (INTERNAL)
72	C760 DI-N-OCTYLPHTHALATE
73	C765 BENZO(B)FLUORANTHENE
74	C770 BENZO(K)FLUORANTHENE
75	C775 BENZO(A)PYRENE
76	C780 INDENO(1,2,3-CD)PYRENE
77	C785 DIBENZO(A,H)ANTHRACENE
78	C790 BENZO(G,H,I)PERYLENE

	Rt	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	300	2188	21.41	31	1.104	A BB	22758.	58.386 %	7.20
52	199	2368	23.28	52	1.000	A BV	223248.	40.000 UG/L	4.93
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	266	2333	23:07	52	0.985	A BB	10998.	18.564 UG/L	2.29
57	178	2373	23:31	52	1.002	A BB	600.	0.108 UG/L	0.01
58	NOT FOUND								
59	149	2527	25:03	52	1.067	A BB	1094.	0.154 UG/L	0.02
60	202	2690	26:40	52	1.136	A BB	740.	0.139 UG/L	0.02
61	NOT FOUND								
62	202	2751	27:16	52	1.162	A BB	168767.	31.863 UG/L	3.93
63	NOT FOUND								
64	240	2153	21:15	64	1.000	A BB	128699.	40.000 UG/L	4.93
65	149	2937	29:07	64	0.931	A BB	174.	0.066 UG/L	0.01

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3145	31:10	64	0.997	A BB	76.	0.021 UG/L	0.00
68	149	3174	31:28	64	1.007	A BB	240.	0.092 UG/L	0.01
69	228	3164	31:22	64	1.003	A BB	314.	0.095 UG/L	0.01
70	244	2790	27:39	64	0.885	A BB	122177.	62.428 %	7.69
71	264	4083	40:28	71	1.000	A BB	58734.	40.000 UG/L	4.93
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							

END

Report Title: LAB DATA SAUGET SITES AREA 1 #46

Date of Report: _____

IL 532 1968
LPC 404 01/91

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IS FILE HAS BEEN ORGANIZED AND/OR SCREENED
ACCORDANCE WITH FILE MANAGEMENT CRITERIA

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_____ Reviewer Initials: _____
JUL 9 1992 Attorney Initials: UHW