SDMS US EPA REGION V -1

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158323

DLPC RECORDS UNIT
Microfilm Code Sheet

ID Number L 1 6 3 0 2 0 0 0 0 5

Name SAUGET SITES

File Division 19 A

Permit or Federal ID Number ILD984809251

Cross-reference Information

IL 532 1577
ISD 1268 6/87

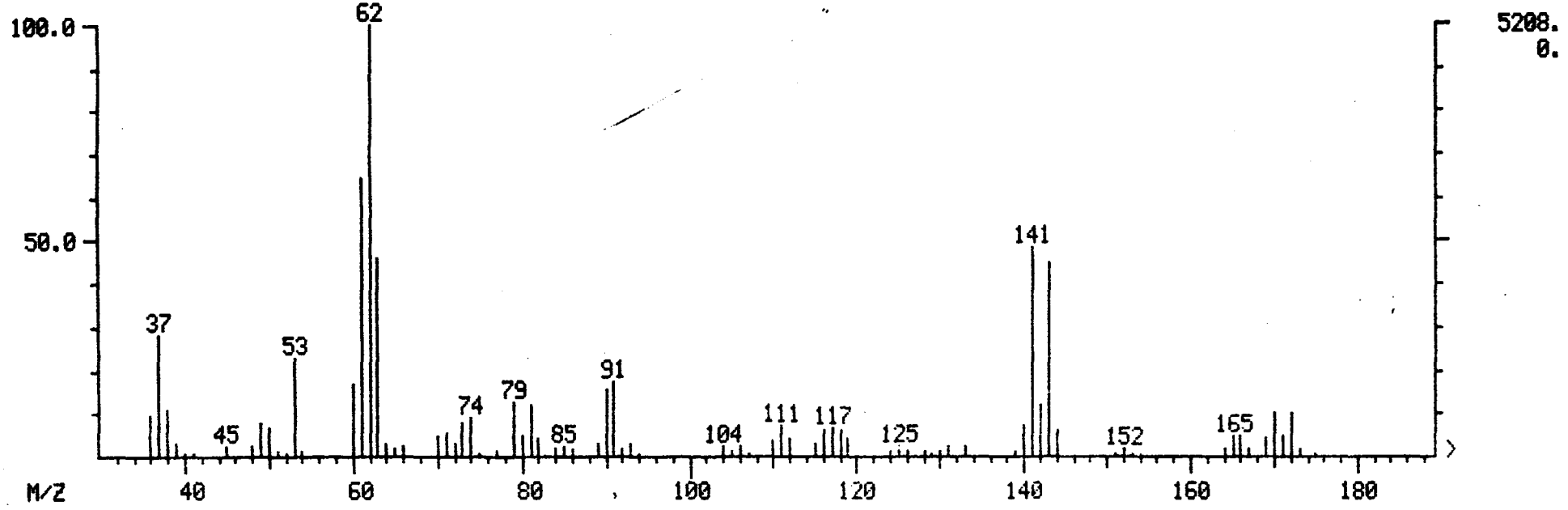
Printed on Recycled Paper

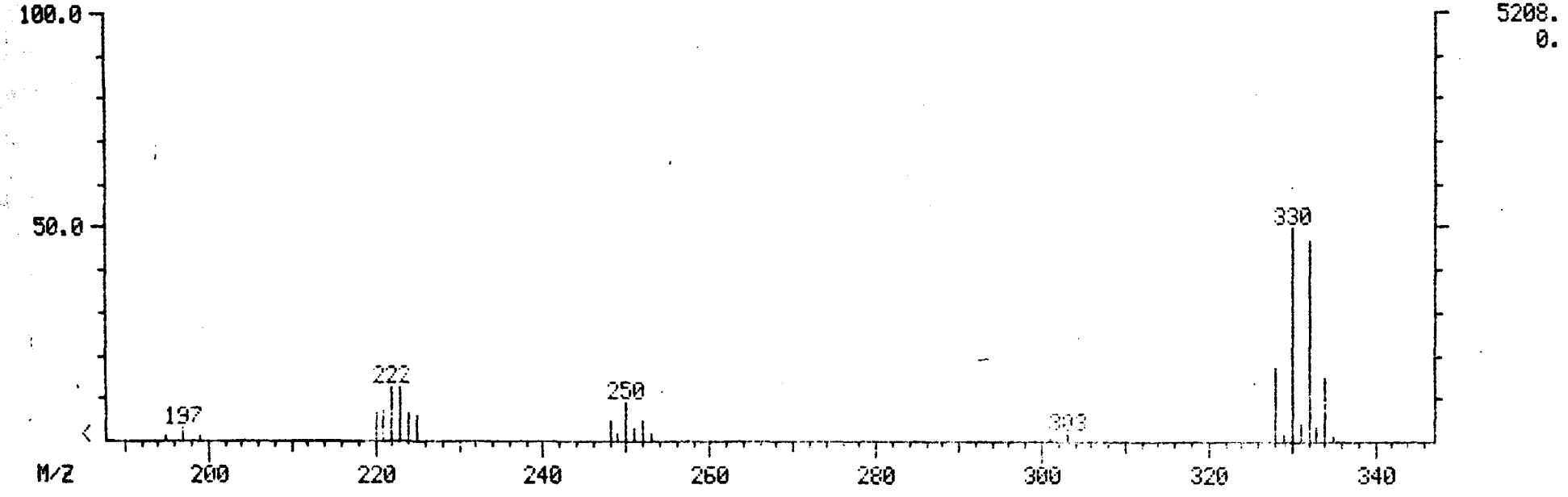
92226000004

MASS SPECTRUM
04/19/91 19:34:00 + 21:40
SAMPLE: 90900 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: APR19VG03 #2186
CALI: APR19VG03 #3

BASE M/Z: 62
RIC: 46784.



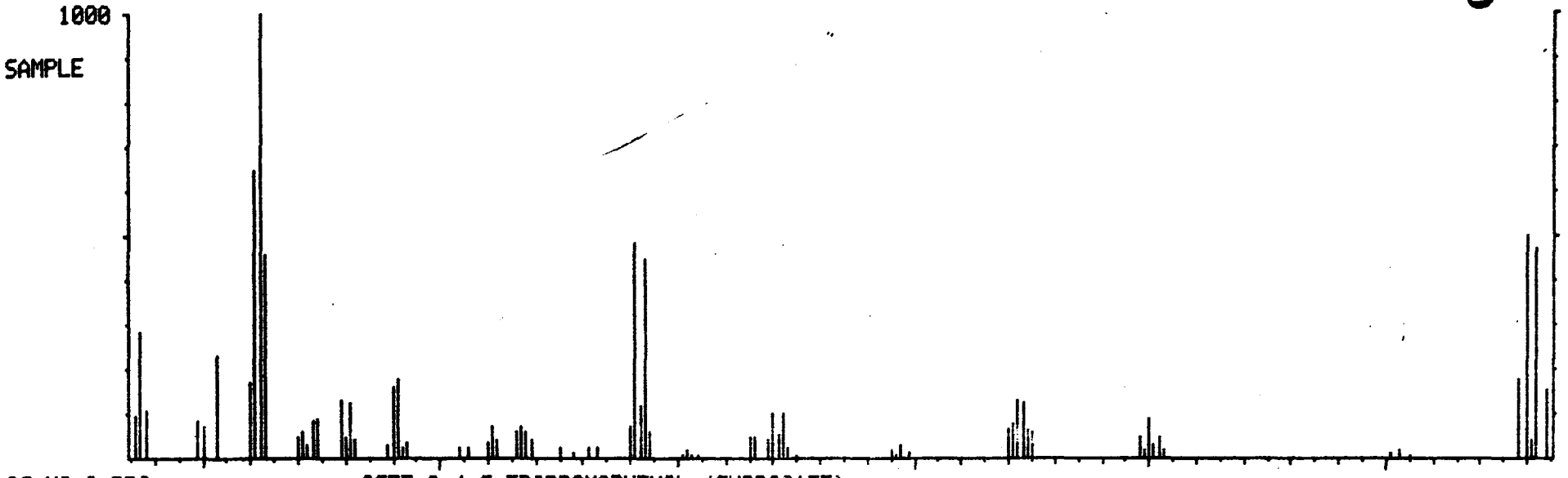


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 21:40
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

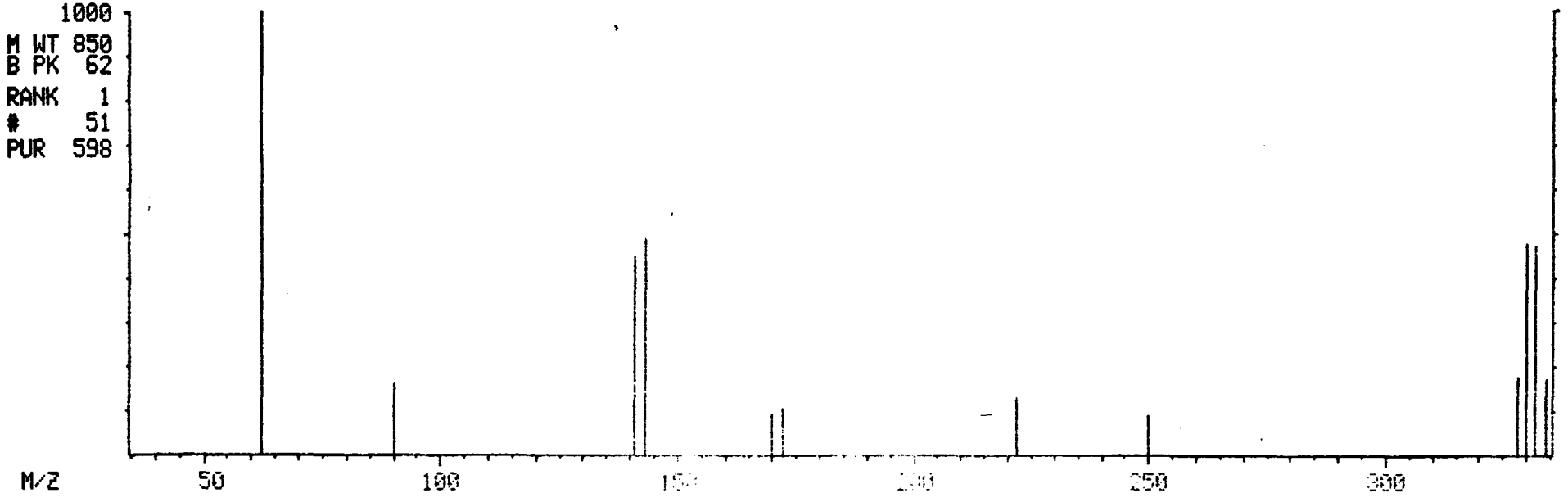
DATA: APR19VG03 #2186
CALI: APR19VG03 # 3

BASE M/Z: 62
RIC: 44288.

001241



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

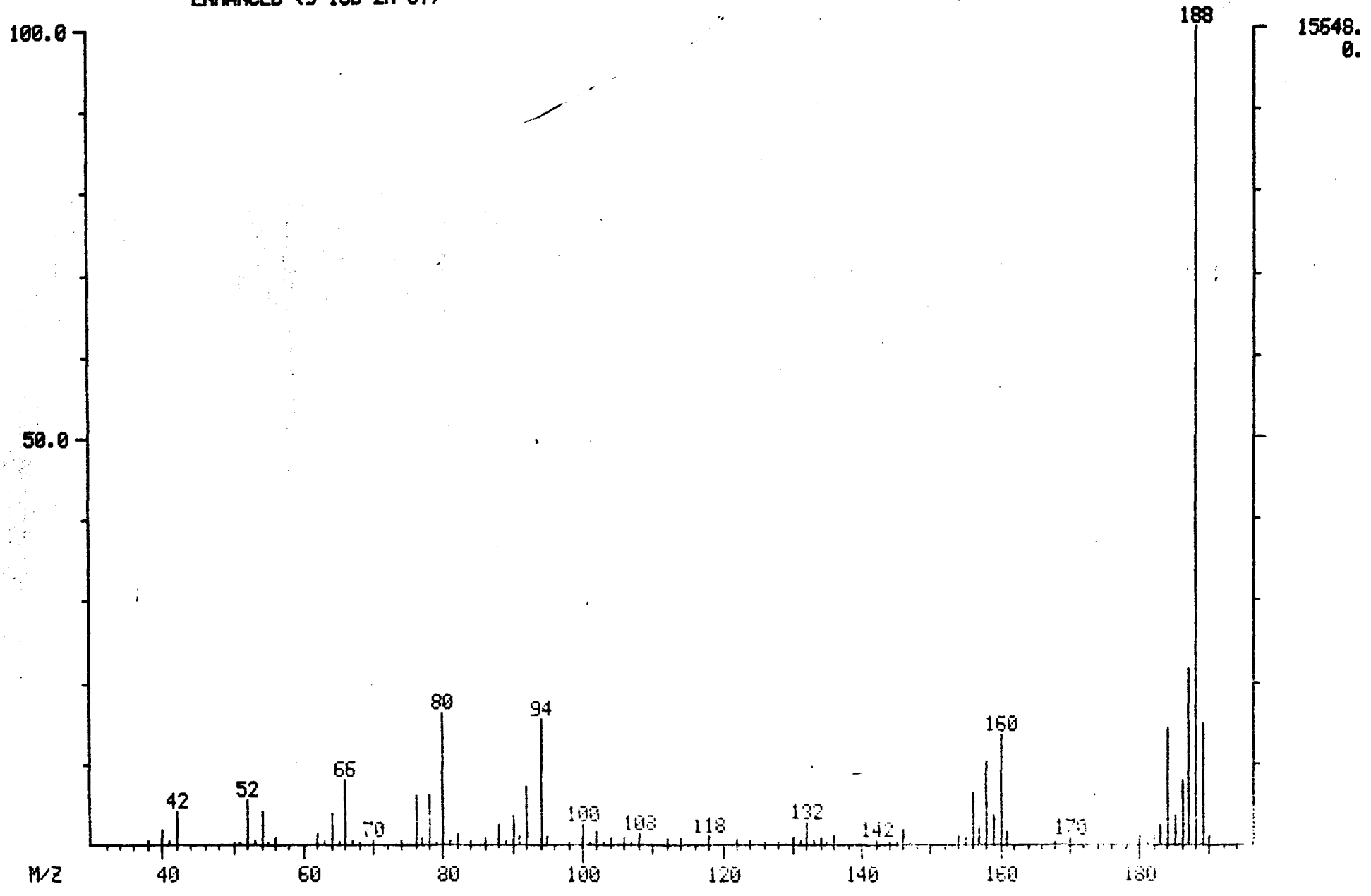


MASS SPECTRUM
04/19/91 19:34:00 + 23:27
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #2365
CALI: APR19VG03 #3

BASE M/Z: 188
RIC: 52480.

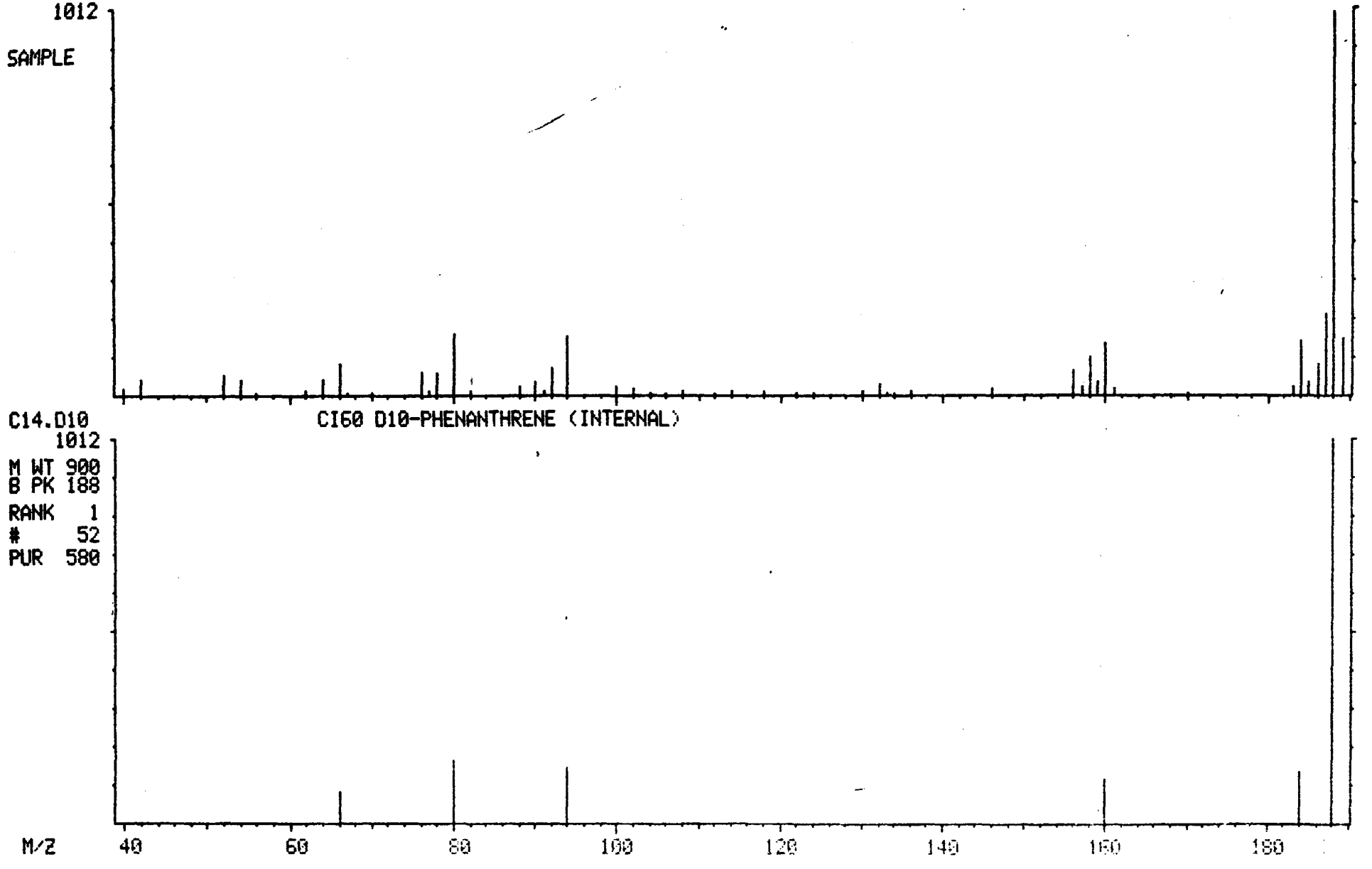
001242



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 23:27
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #2365
CALI: APR19VG03 # 3

BASE M/Z: 188
RIC: 49344.

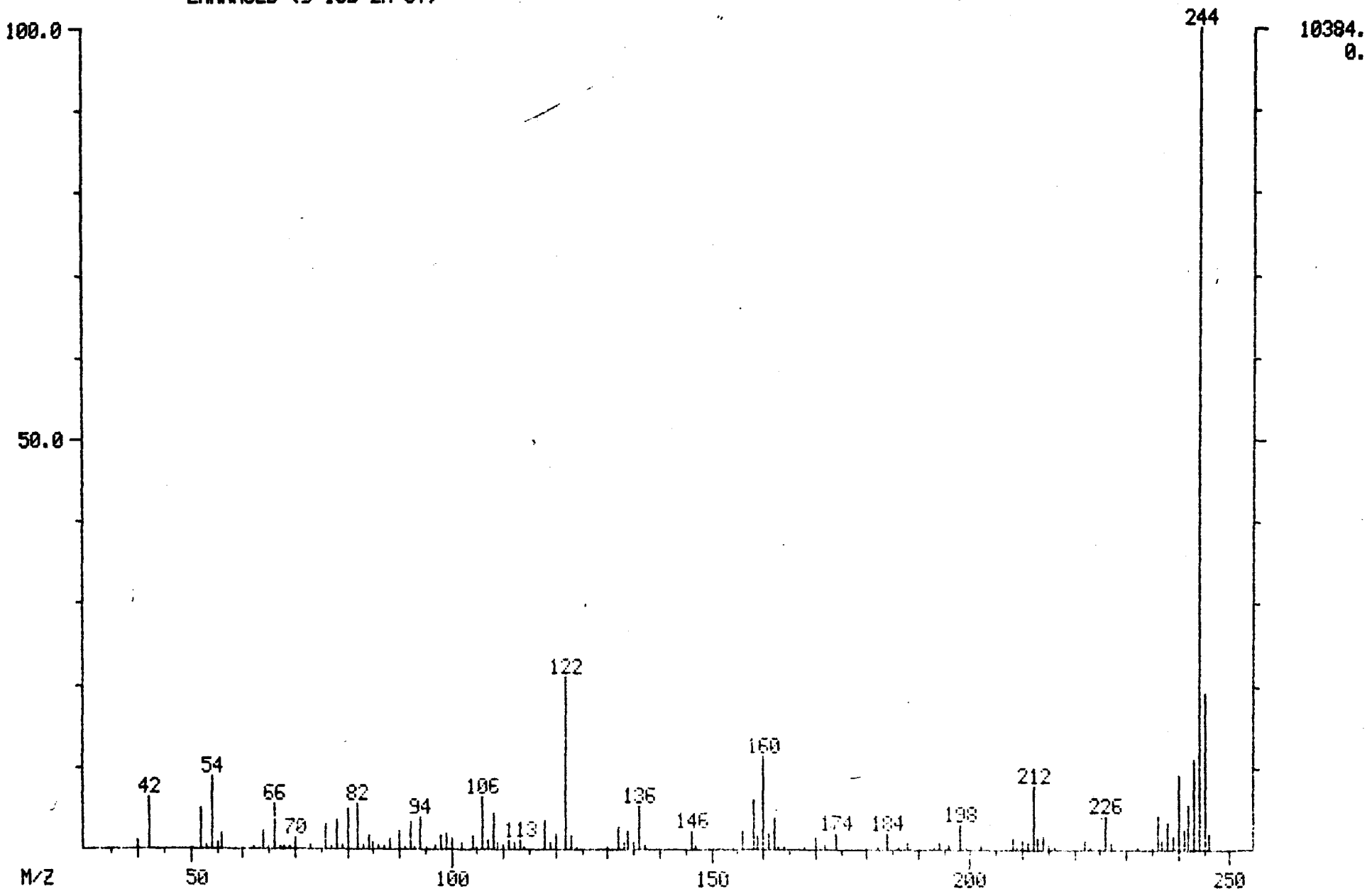


MASS SPECTRUM
04/19/91 19:34:00 + 27:37
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #2787
CALI: APR19VG03 #3

BASE M/Z: 244
RIC: 37760.

001244

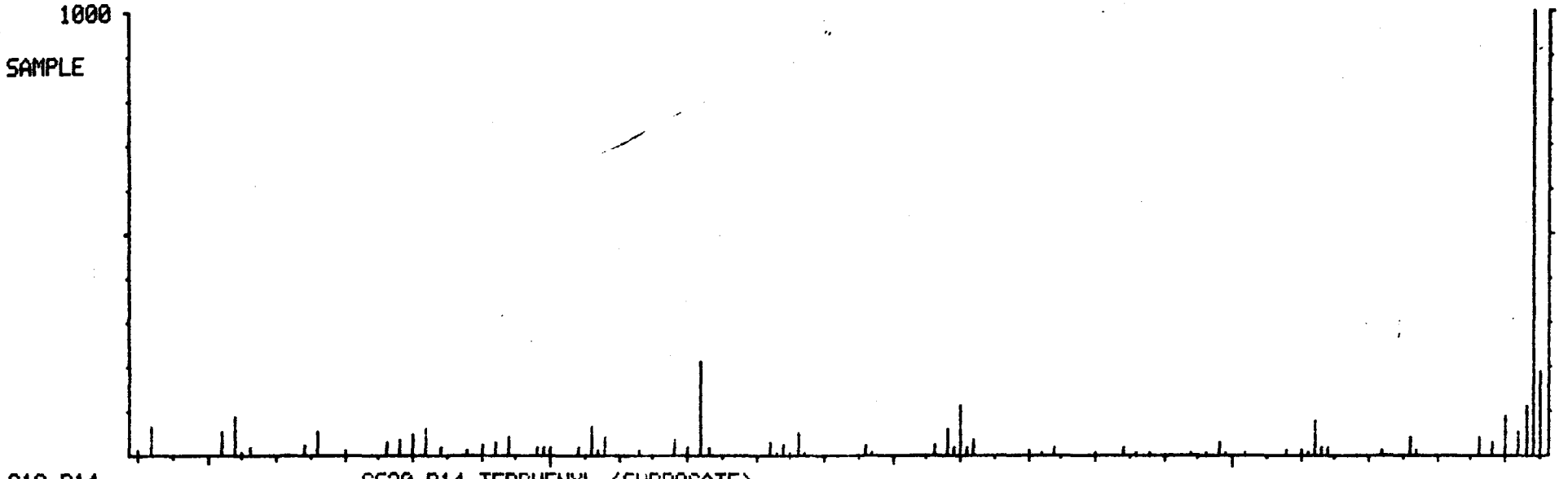


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 27:37
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #2787
CALI: APR19VG03 # 3

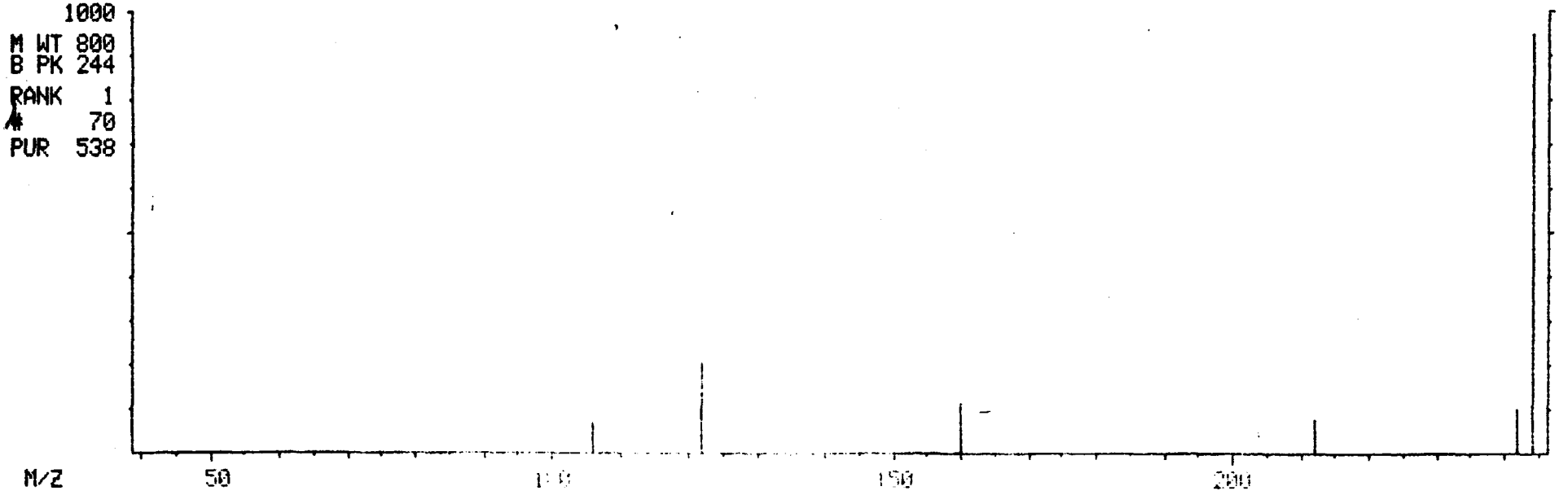
BASE M/Z: 244
RIC: 35200.

001245



C18.D14

CS30 D14-TERPHENYL (SURROGATE)

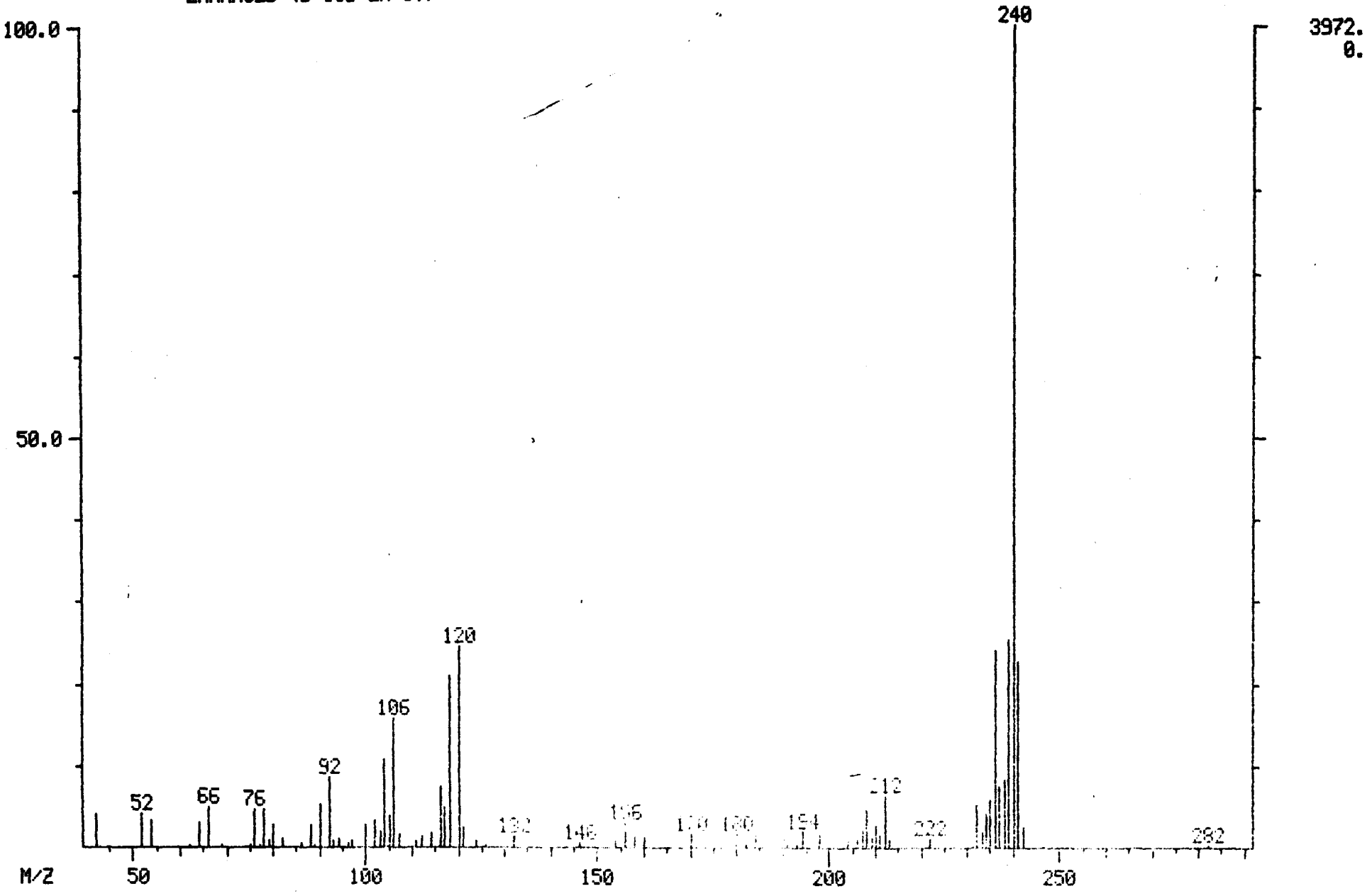


MASS SPECTRUM
04/19/91 19:34:00 + 31:13
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #3150
CALI: APR19VG03 #3

BASE M/Z: 240
RIC: 16416.

001246

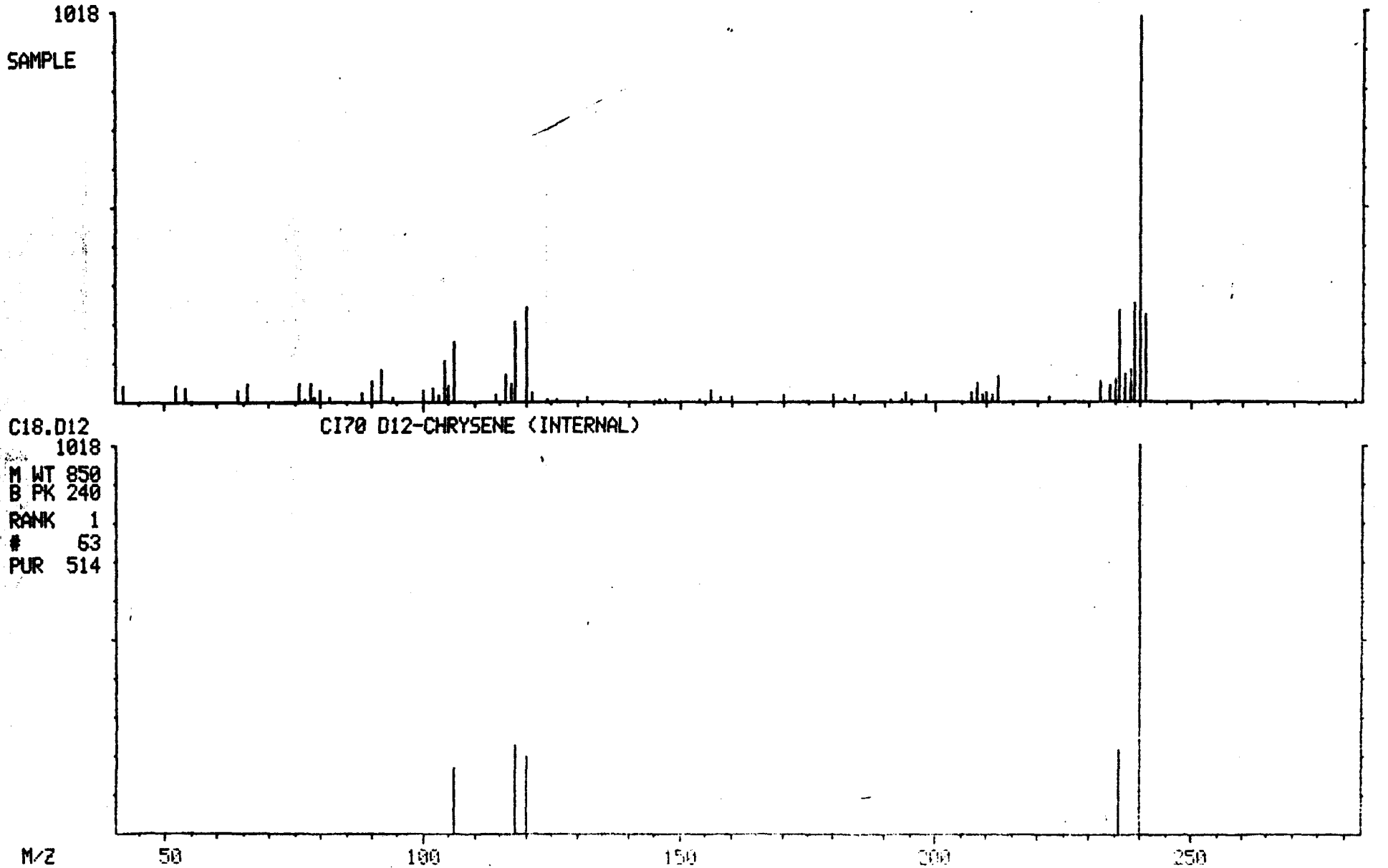


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 31:13
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #3150
CALI: APR19VG03 # 3

BASE M/Z: 240
RIC: 15760.

001247

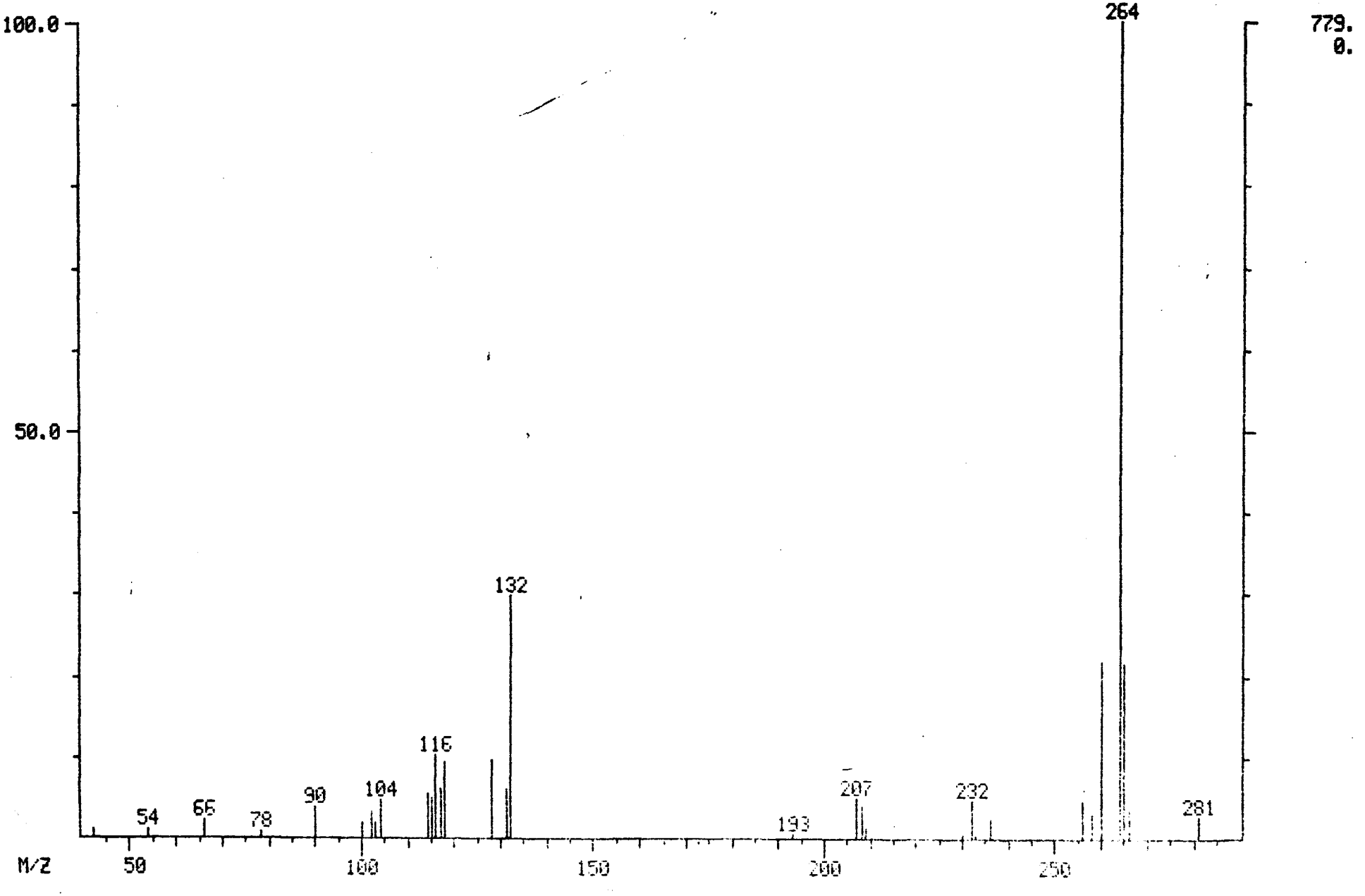


MASS SPECTRUM
04/19/91 19:34:00 + 40:24
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #4075
CALI: APR19VG03 #3

BASE M/Z: 264
RIC: 2184.

001248

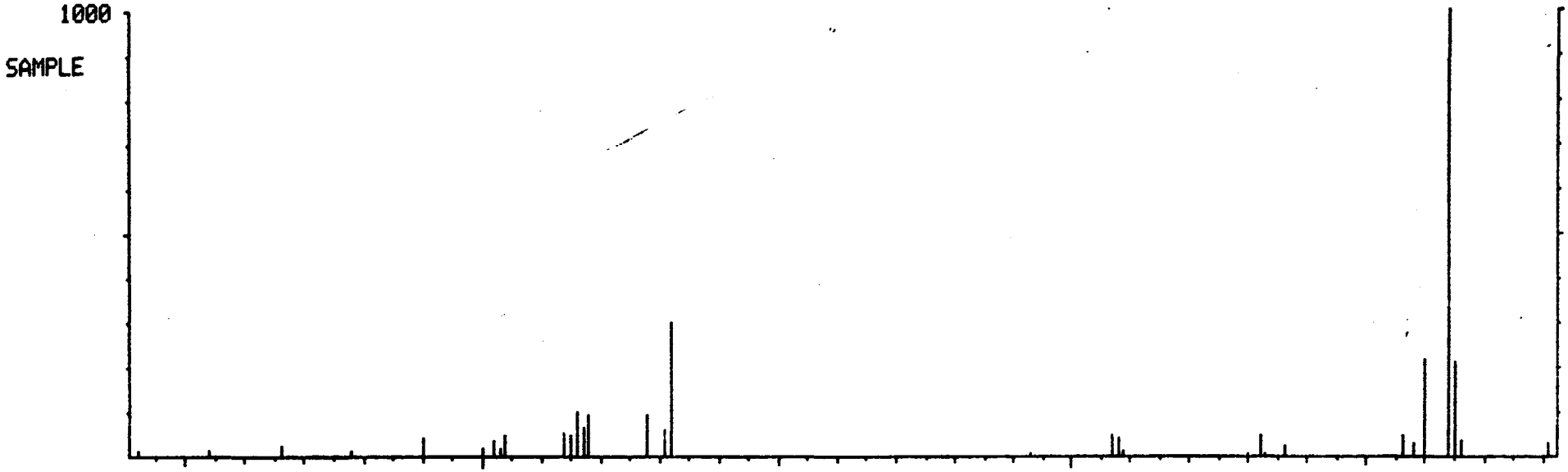


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 40:24
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

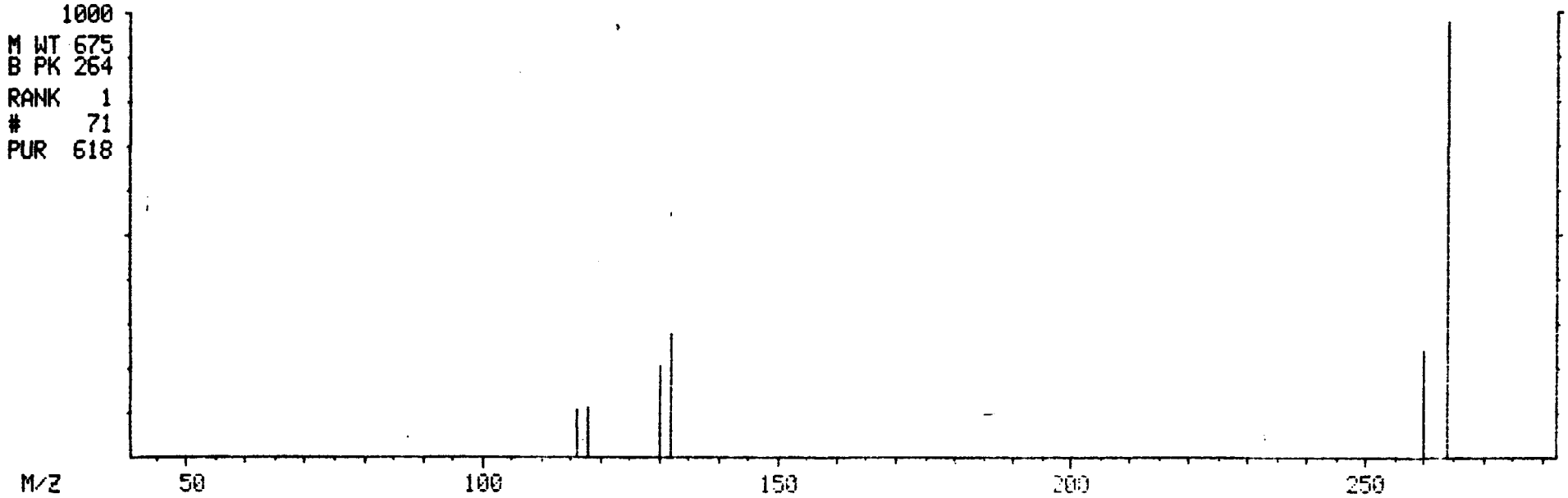
DATA: APR19VG03 #4075
CALI: APR19VG03 # 3

BASE M/Z: 264
RIC: 2184.

001249



C20.D12 CI75 D12-PERYLENE (INTERNAL)



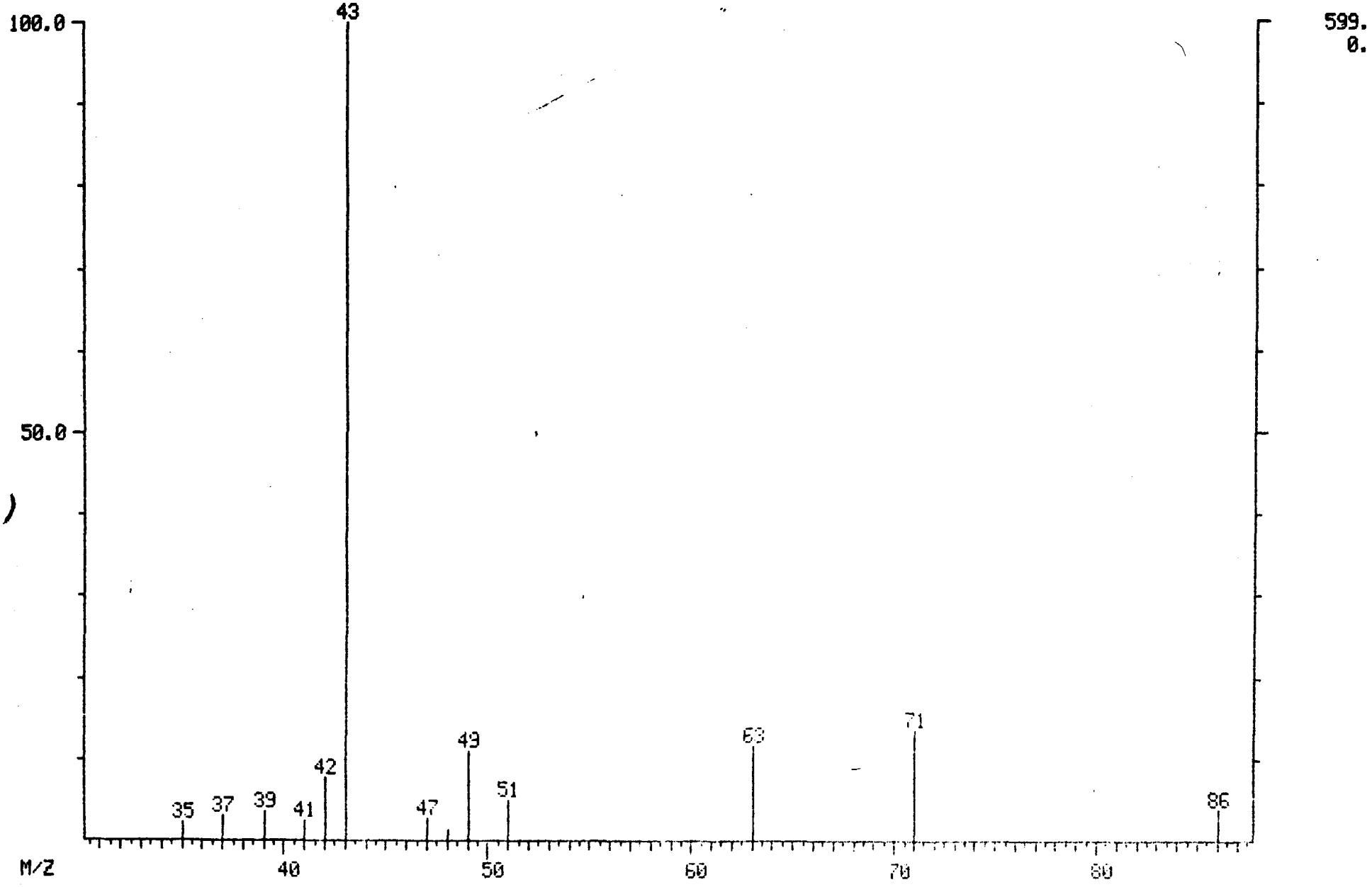
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 19:34:00 + 7:34
SAMPLE: 90900 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: APR19VG03 #764
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 1009.

001251

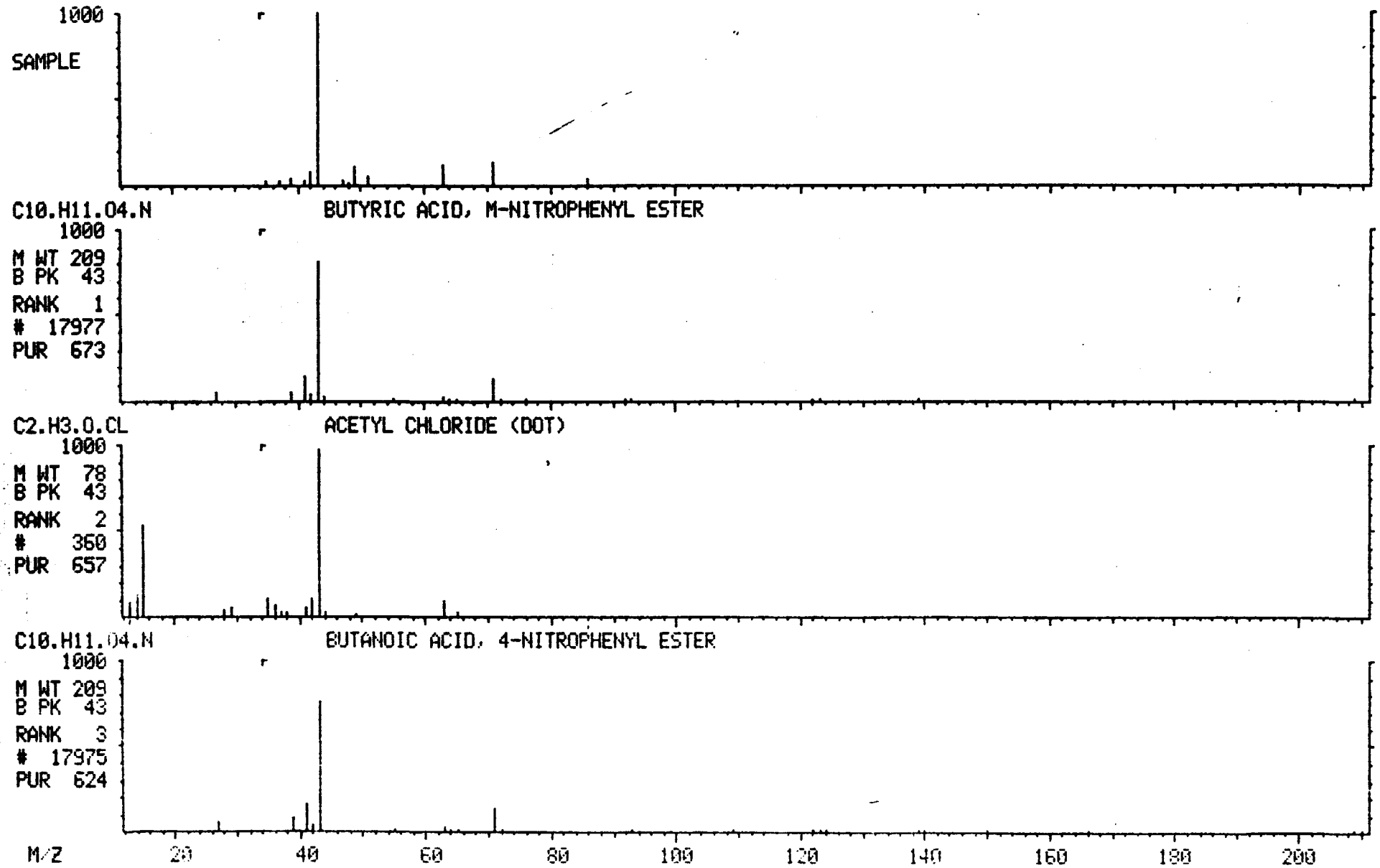


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 7:34
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 # 764
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 1009.

001252

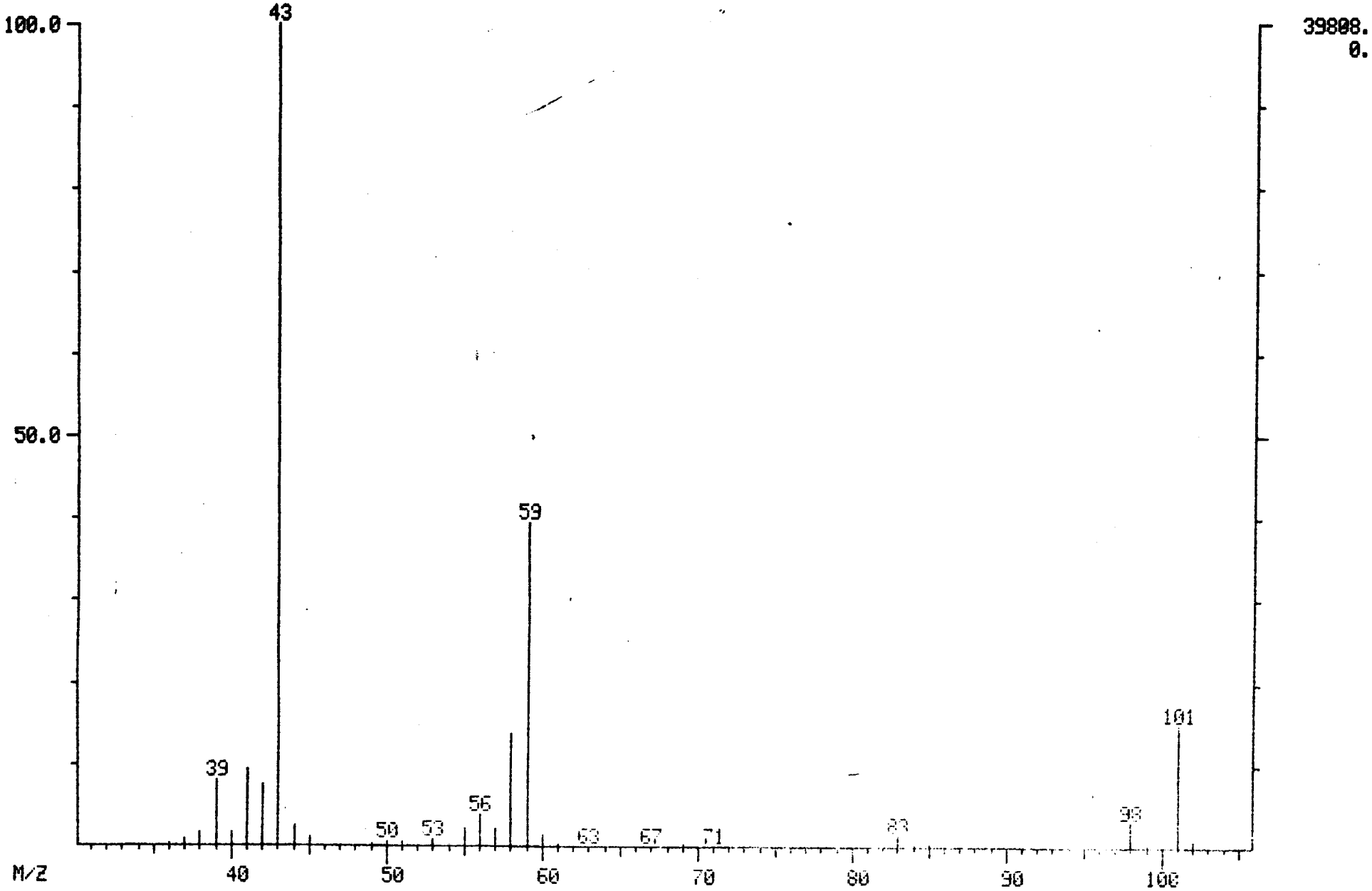


001253

MASS SPECTRUM
04/19/91 19:34:00 + 8:09
SAMPLE: 90900 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: APR19VG03 #822
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 87680.

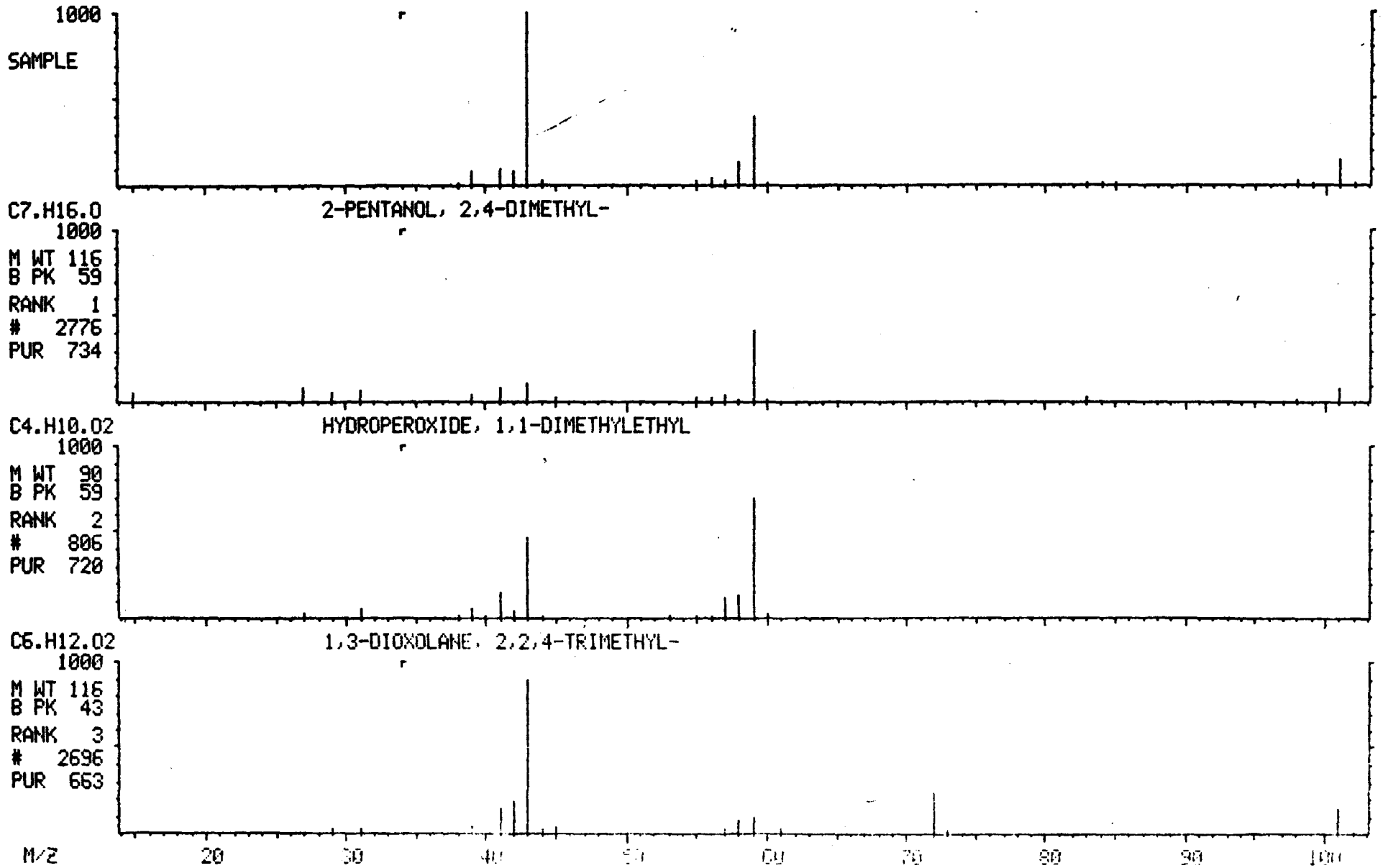


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 8:09
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 # 822
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 84736.

001254

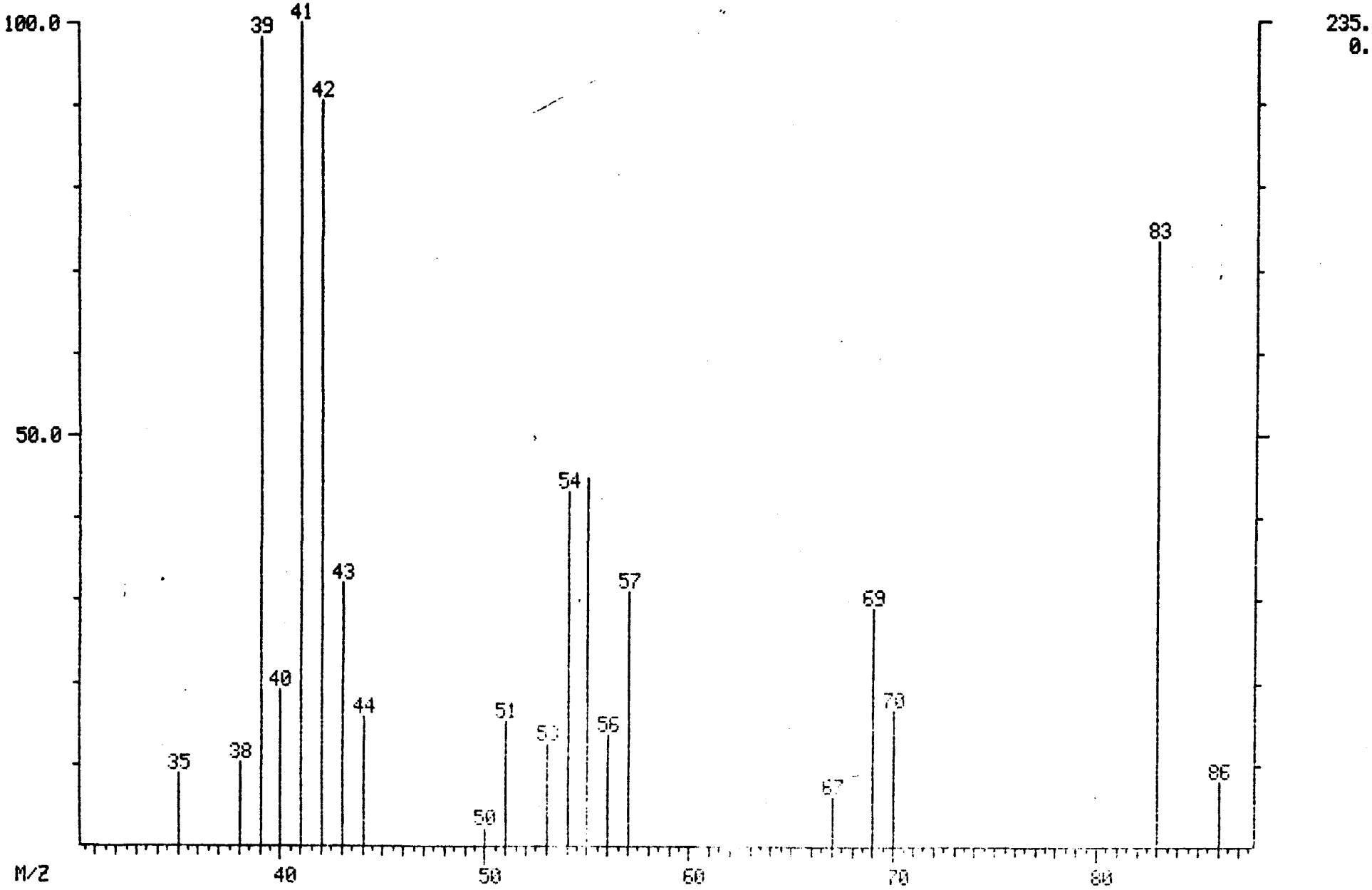


MASS SPECTRUM
04/19/91 19:34:00 + 8:34
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #865
CALI: APR19VG03 #3

BASE M/Z: 41
RIC: 1580.

001255

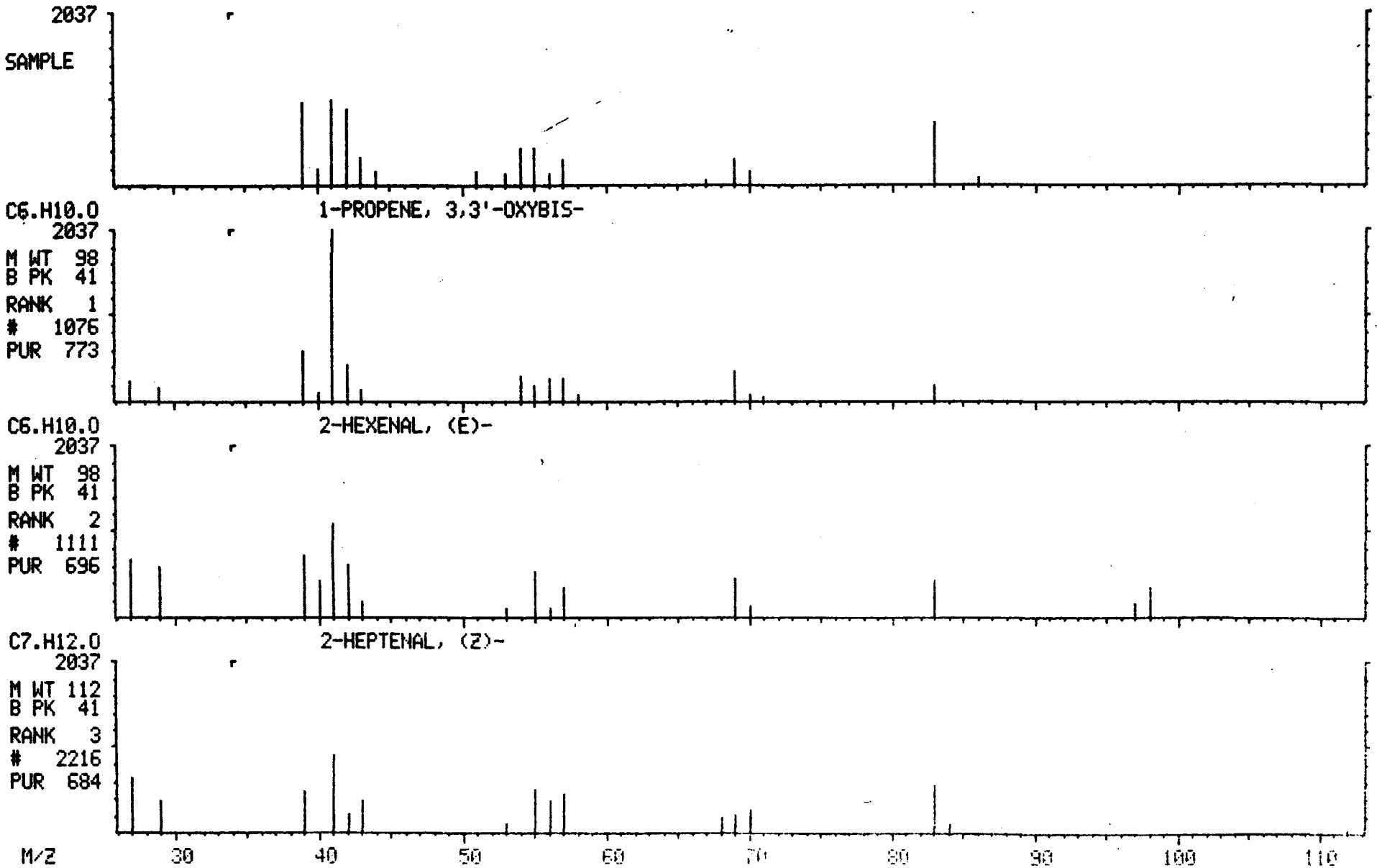


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 8:34
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 # 865
CALI: APR19VG03 # 3

BASE M/Z: 41
RIC: 1530.

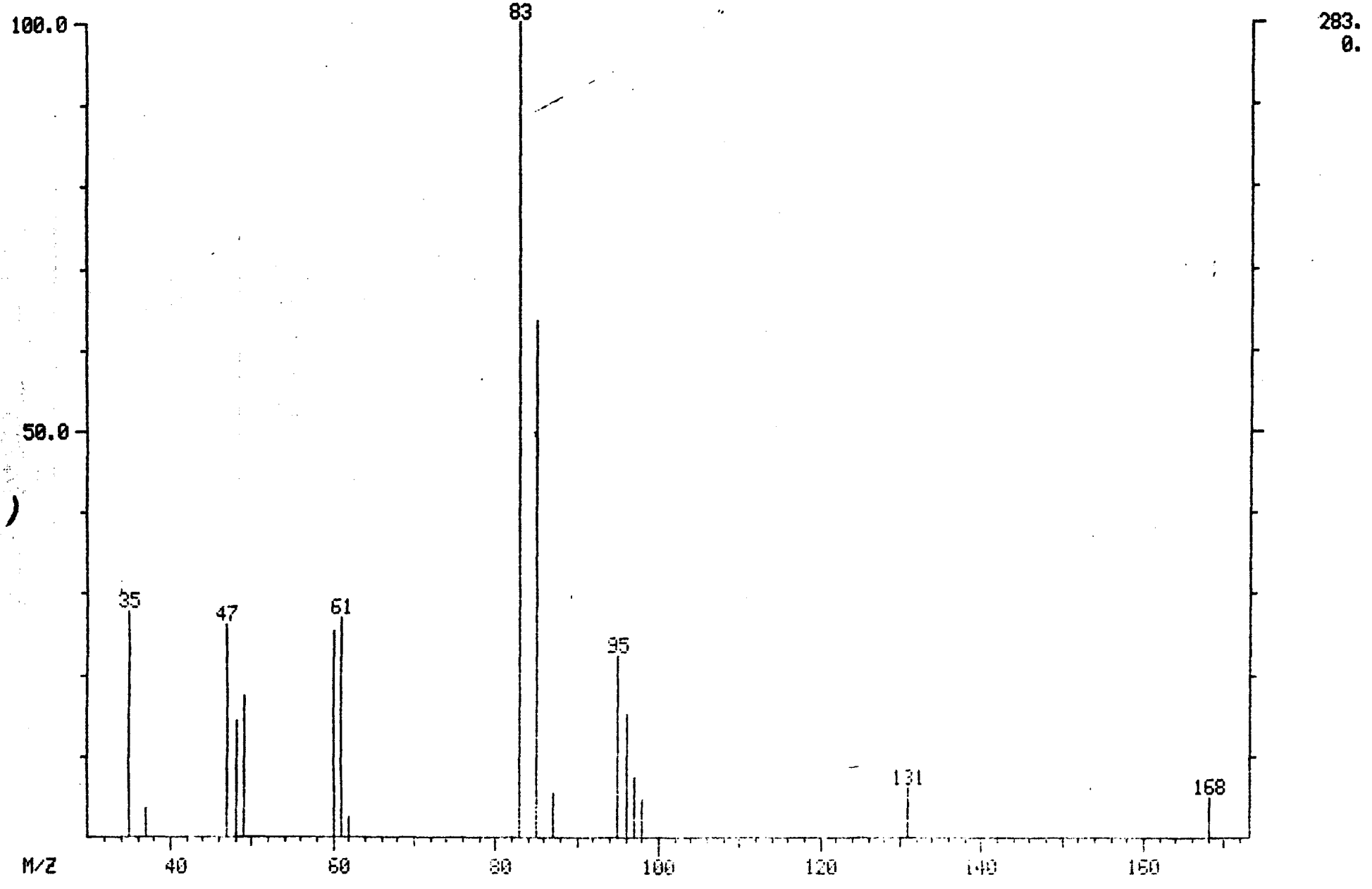
001256



MASS SPECTRUM
04/19/91 19:34:00 + 9:48
SAMPLE: 90900 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: APR19VG03 #988
CALI: APR19VG03 #3

BASE M/Z: 83
RIC: 1060.



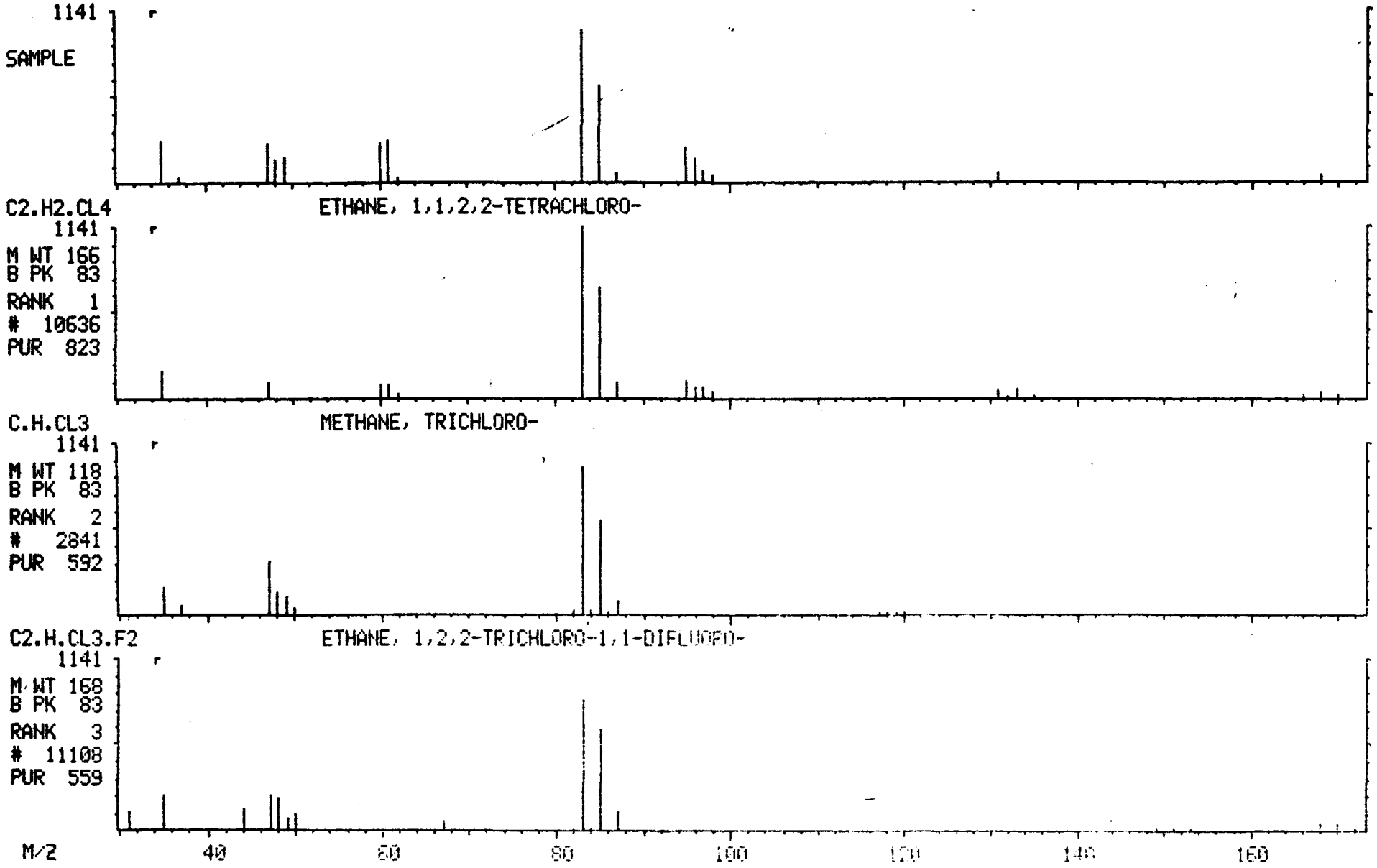
001257

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 9:48
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 # 988
CALI: APR19VG03 # 3

BASE M/Z: 83
RIC: 1060.

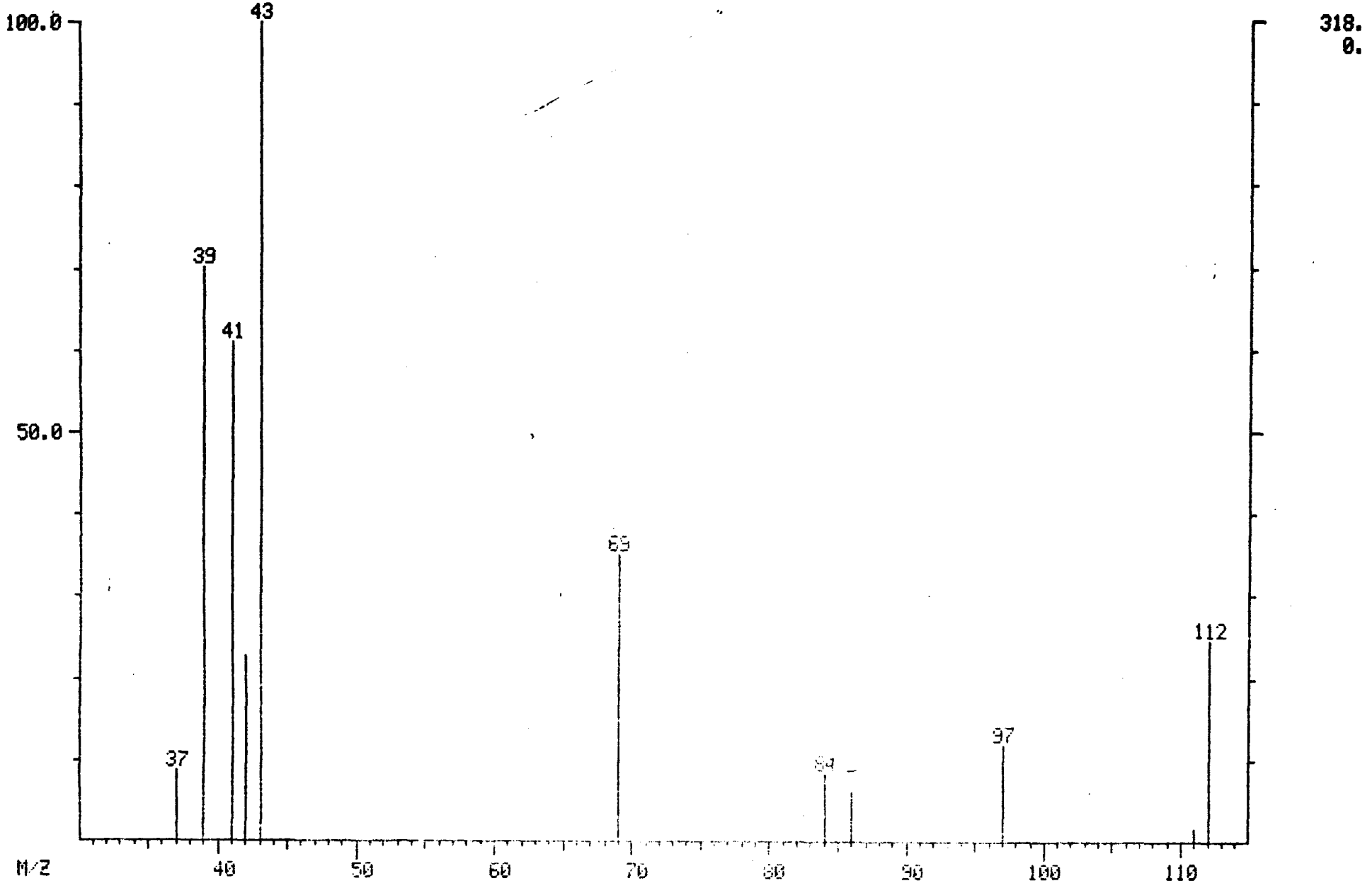
001258



MASS SPECTRUM
04/19/91 19:34:00 + 10:11
SAMPLE: 90900 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: APR19VG03 #1028
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 1114.



9 2 2 2 6 0 0 0 0 2 4

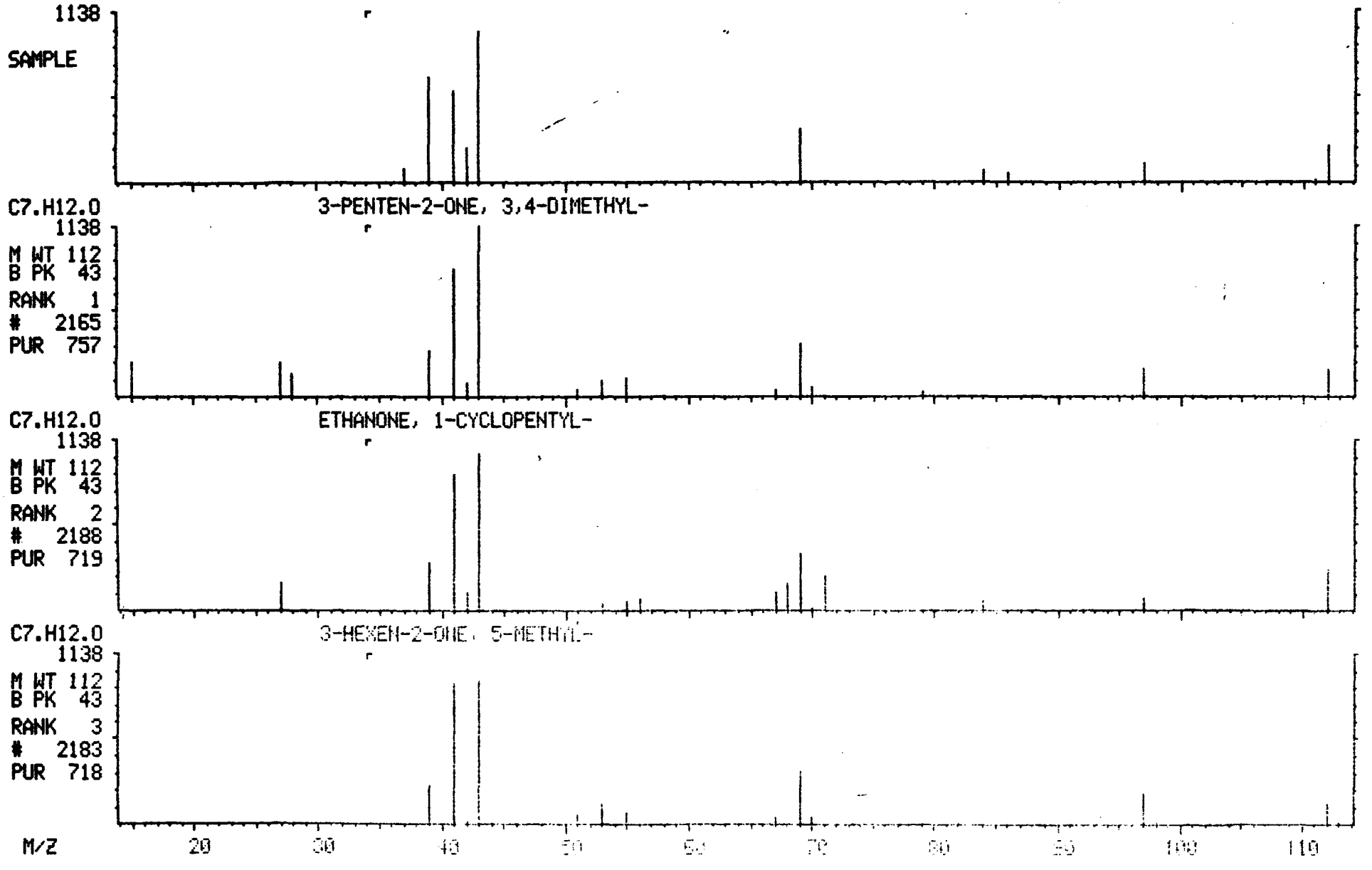
001259

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 10:11
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1028
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 1114.

001260

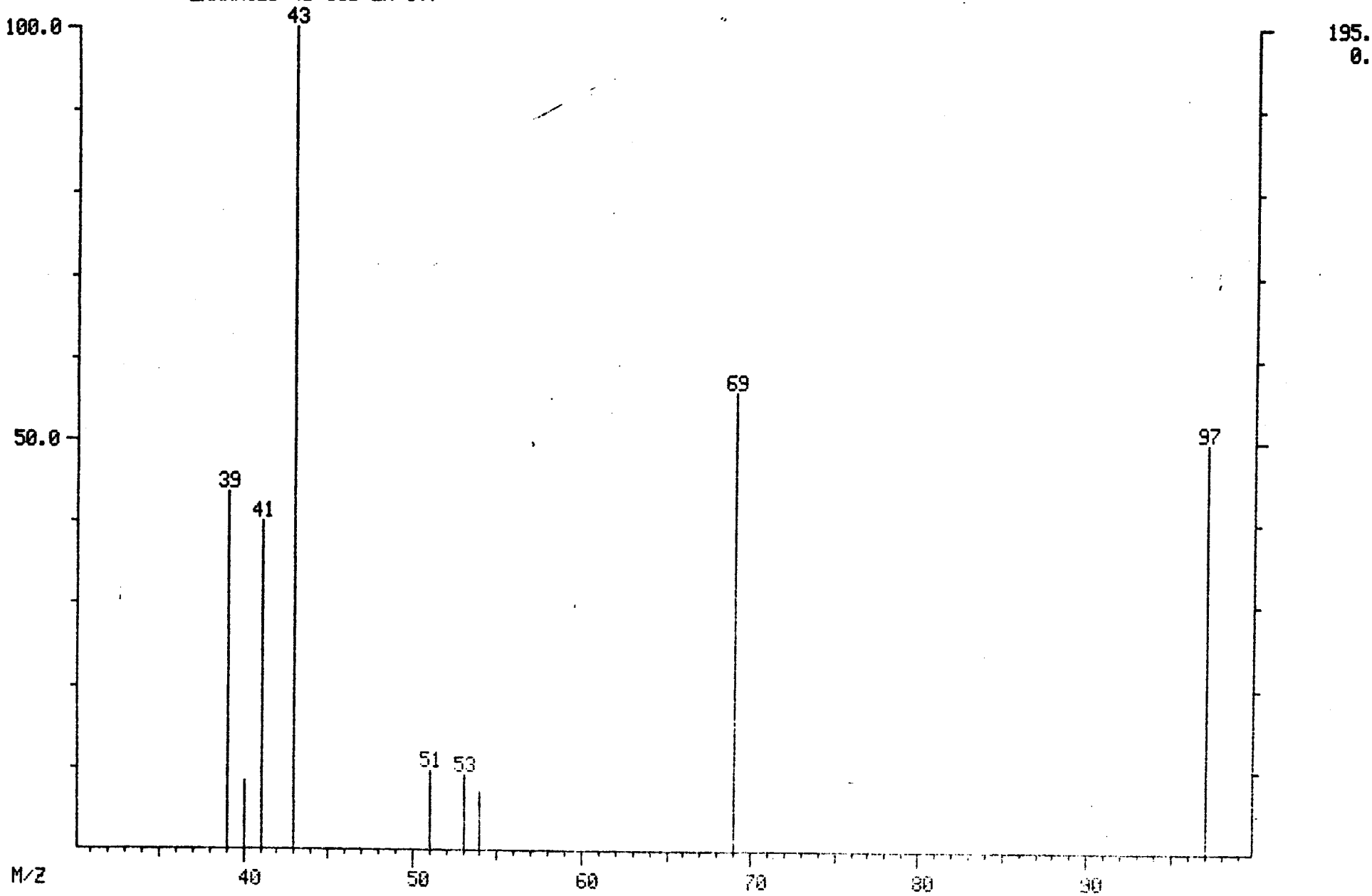


MASS SPECTRUM
04/19/91 19:34:00 + 10:35
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 106 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1068
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 631.

001261

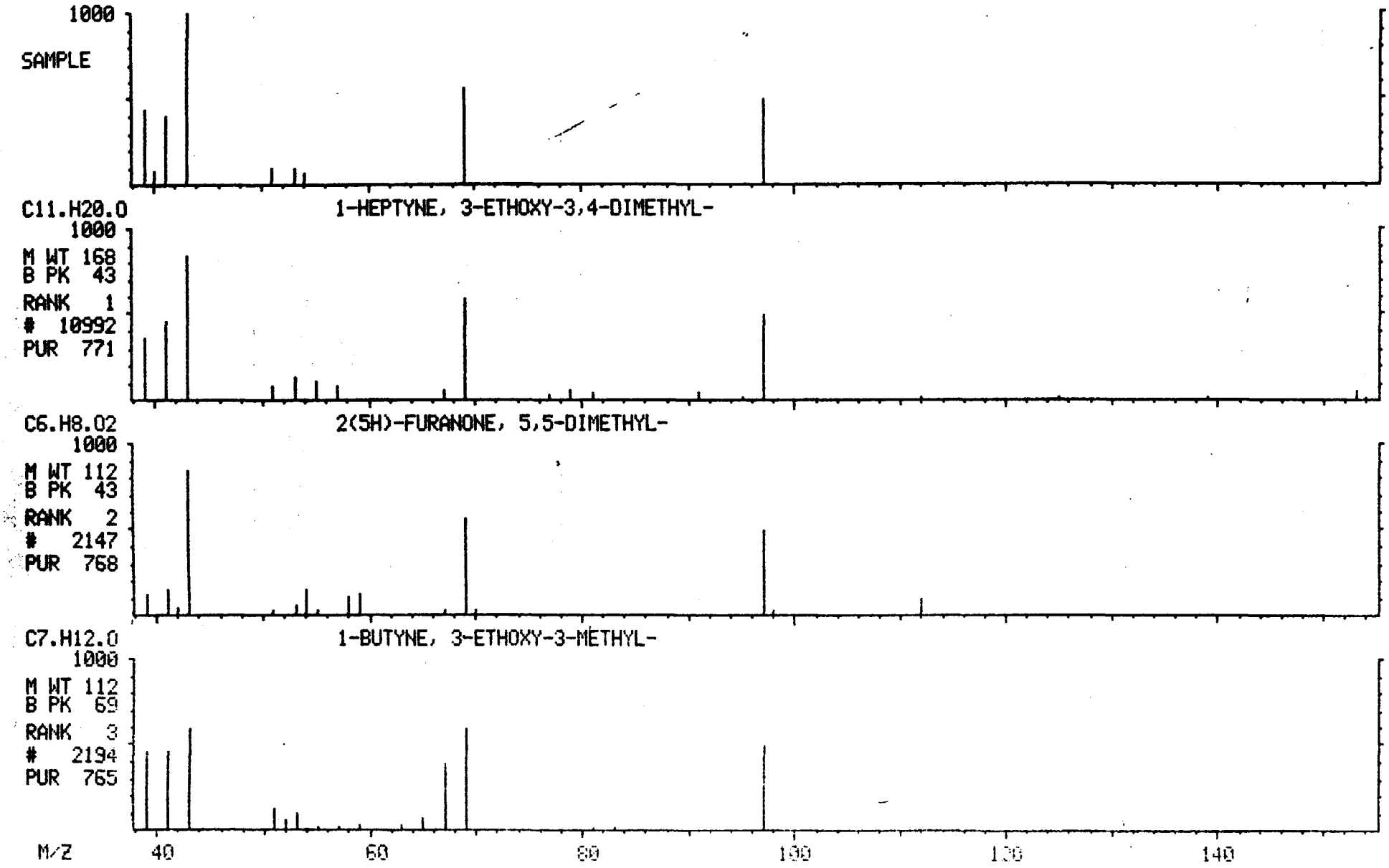


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 10:35
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1068
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 631.

001262



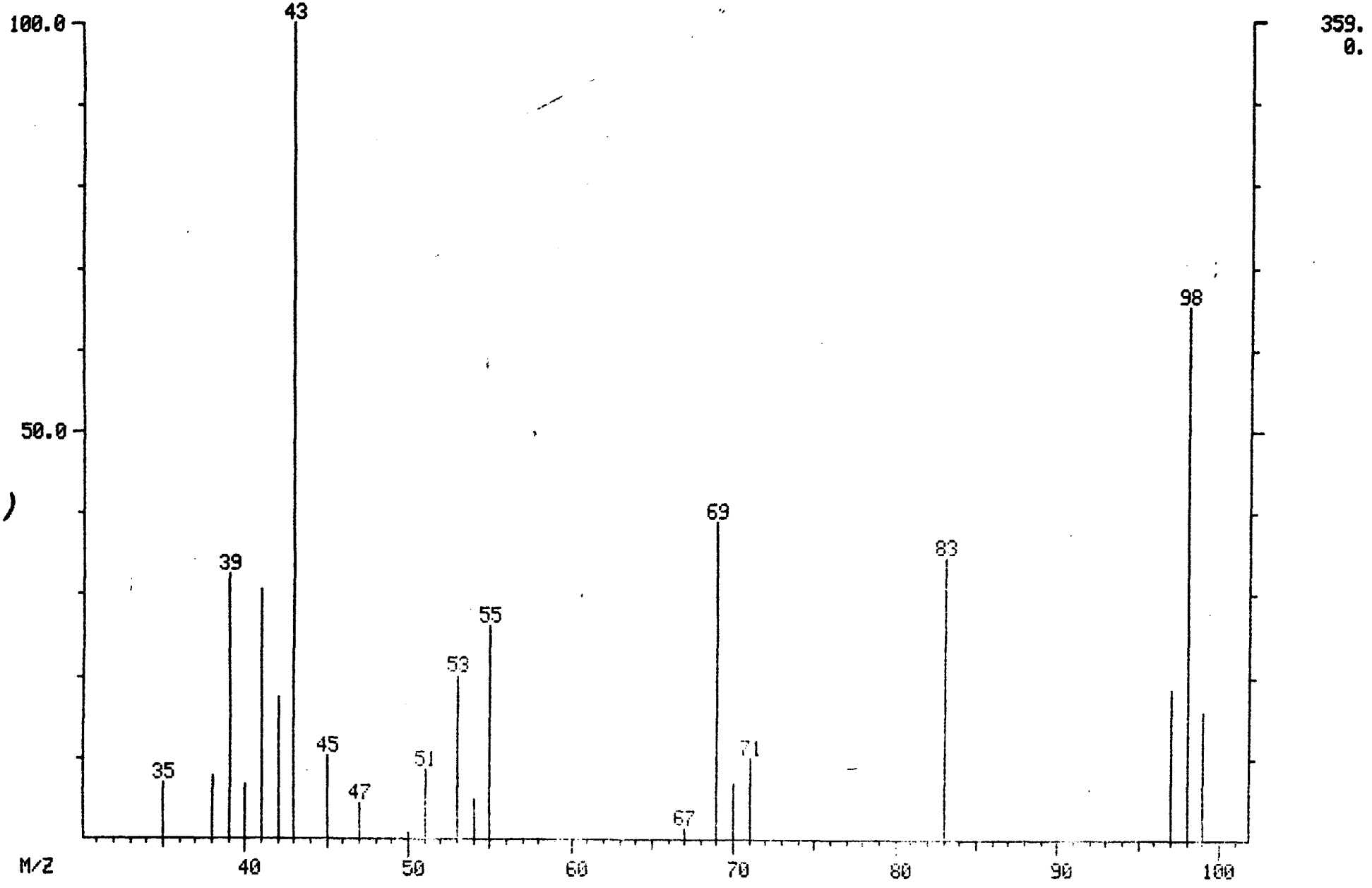
7 4 4 4 6 0 0 0 0 2 7

MASS SPECTRUM
04/19/91 19:34:00 + 11:14
SAMPLE: 90900 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: APR19VG03 #1134
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 1686.

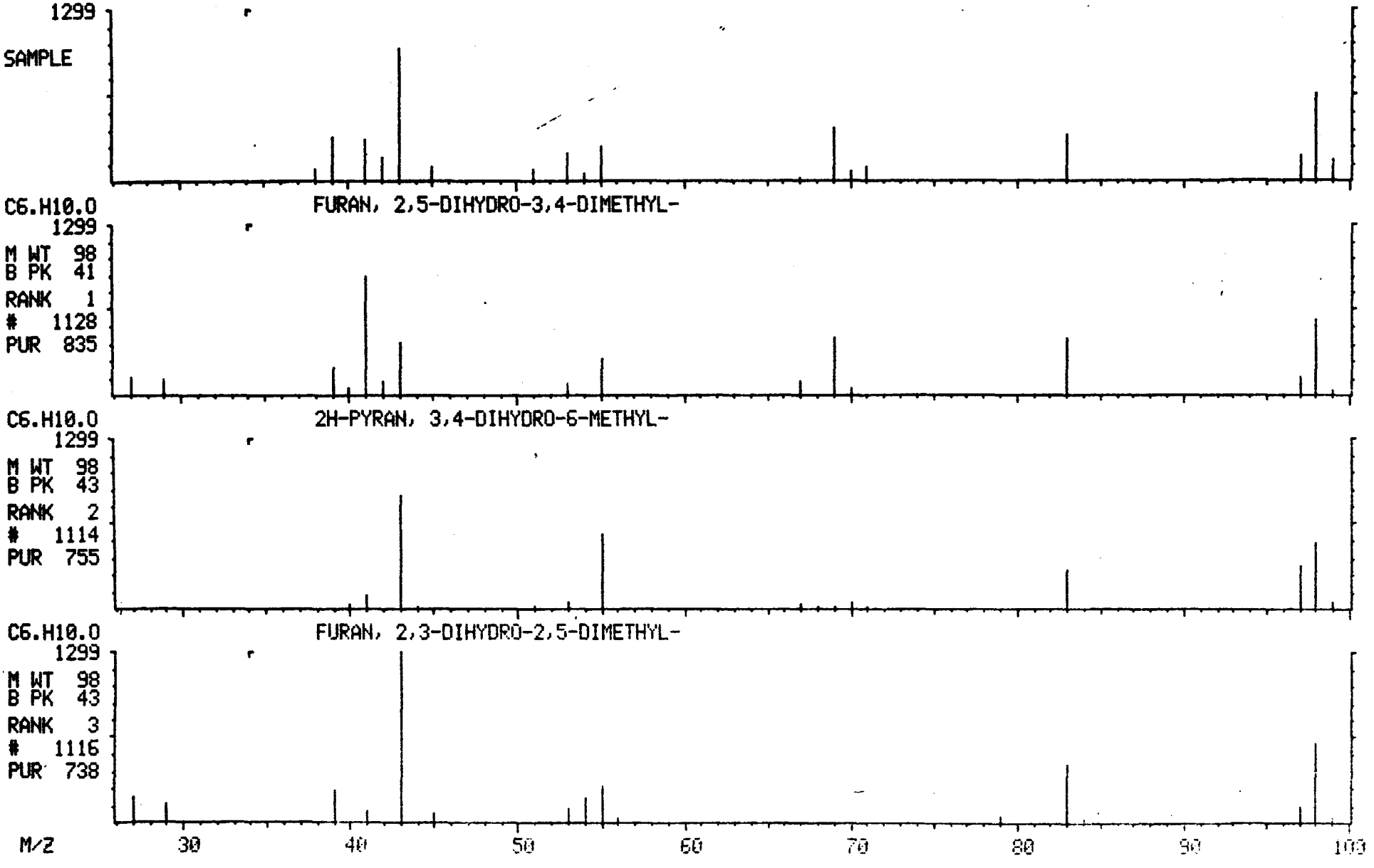
001263



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 11:14
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1134
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 1618.

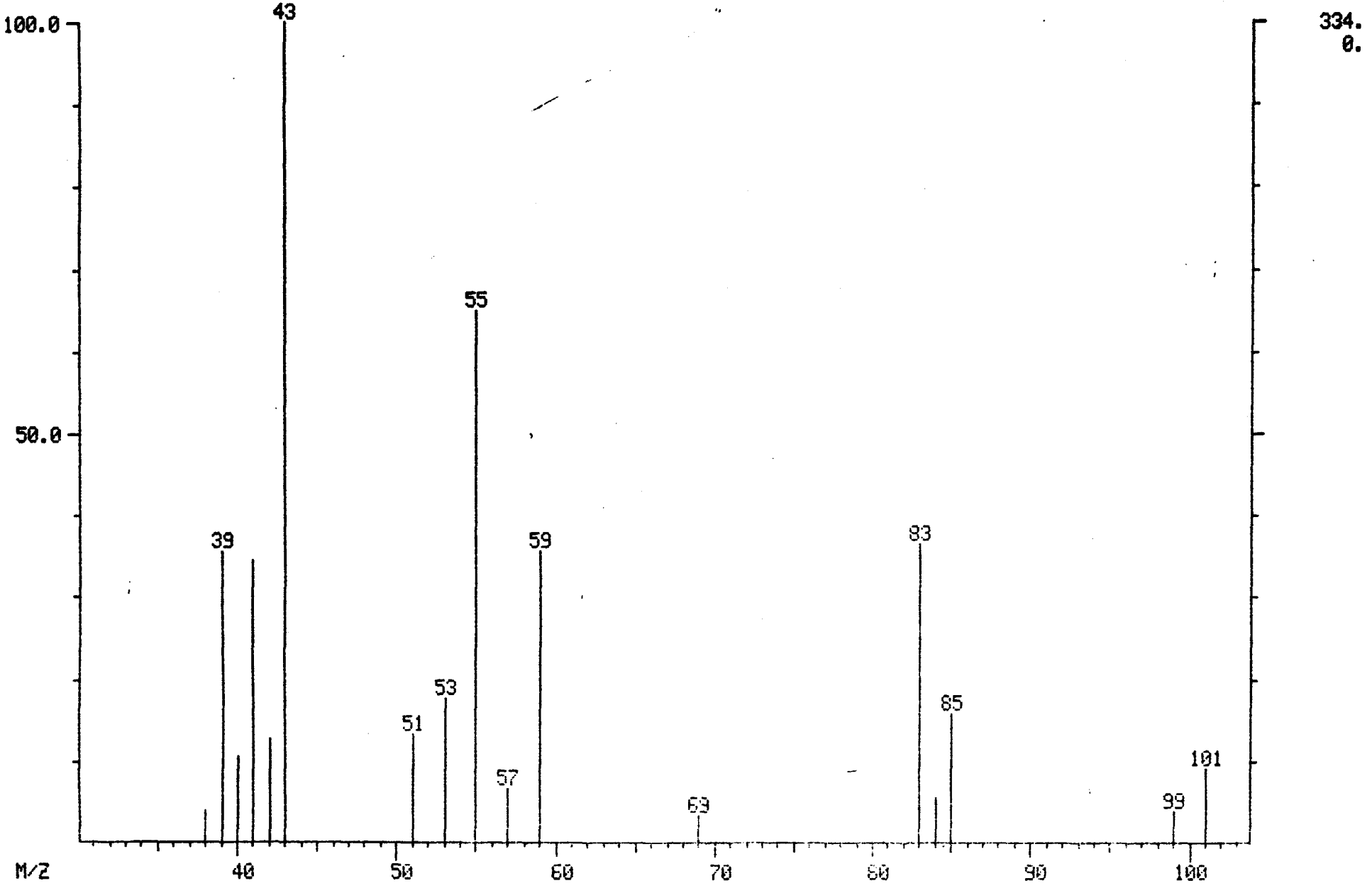


MASS SPECTRUM
04/19/91 19:34:00 + 11:25
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1152
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 1370.

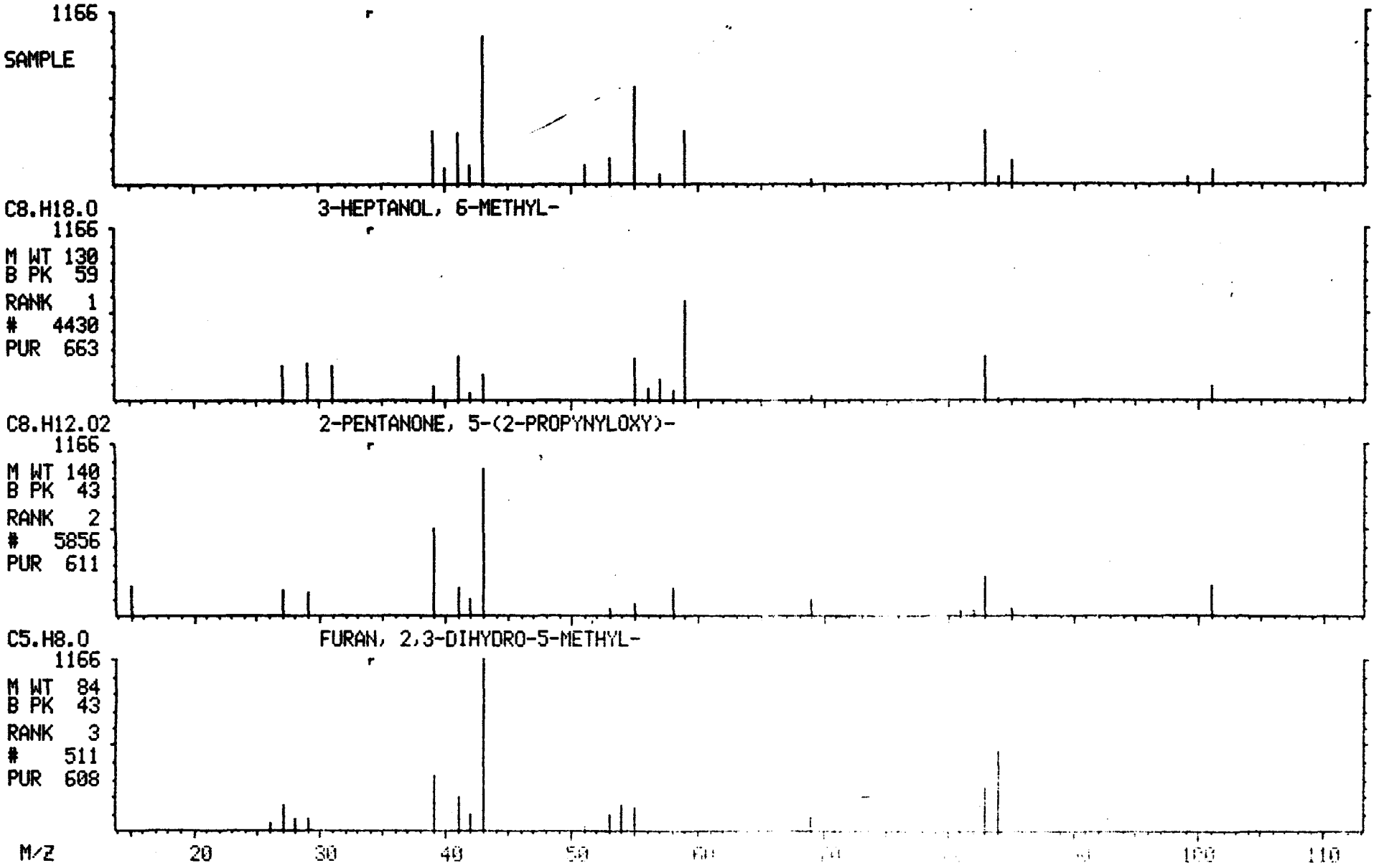
001265



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 11:25
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1152
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 1356.

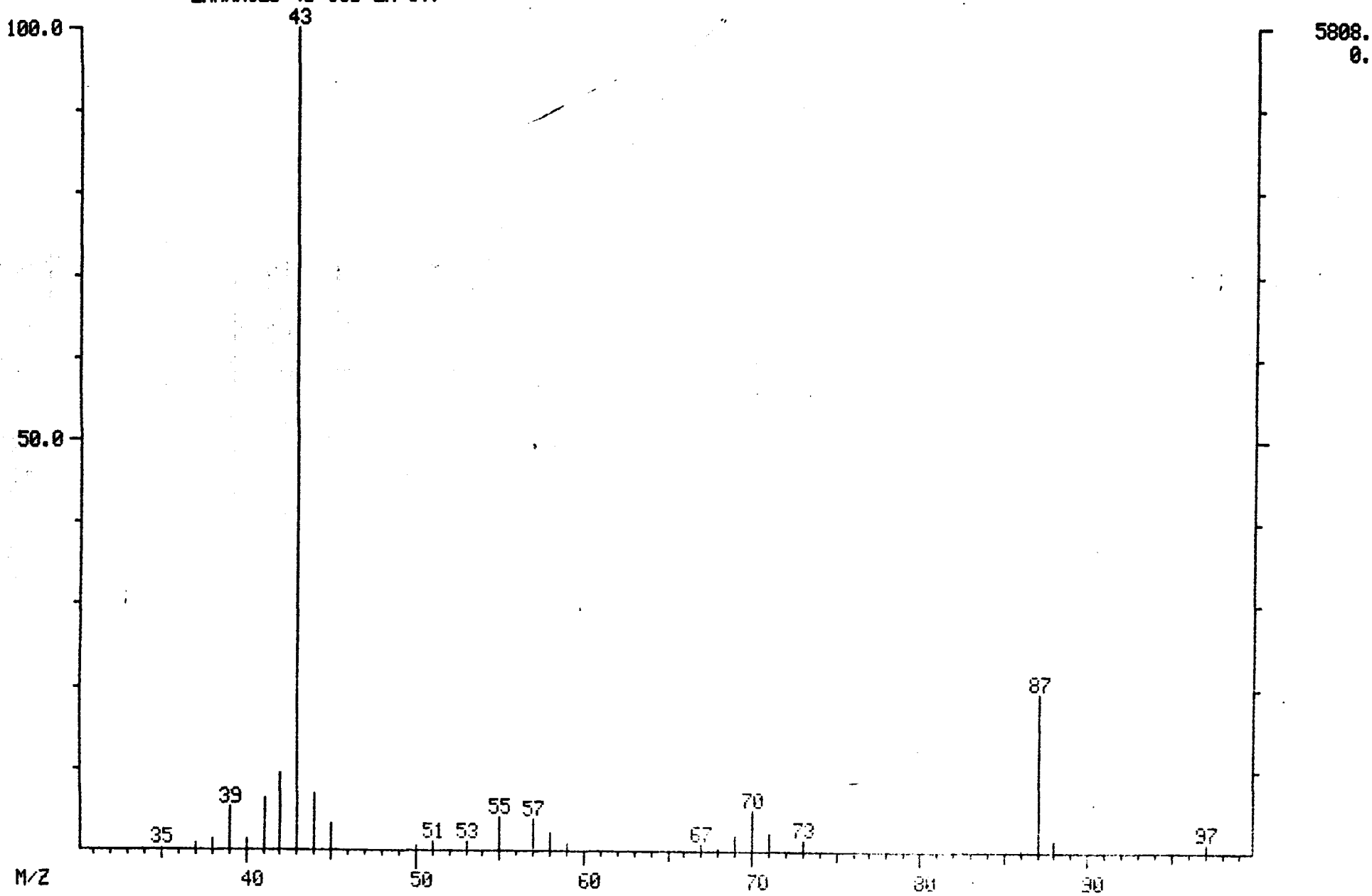


MASS SPECTRUM
04/19/91 19:34:00 + 11:41
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 116 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1178
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 10640.

001267

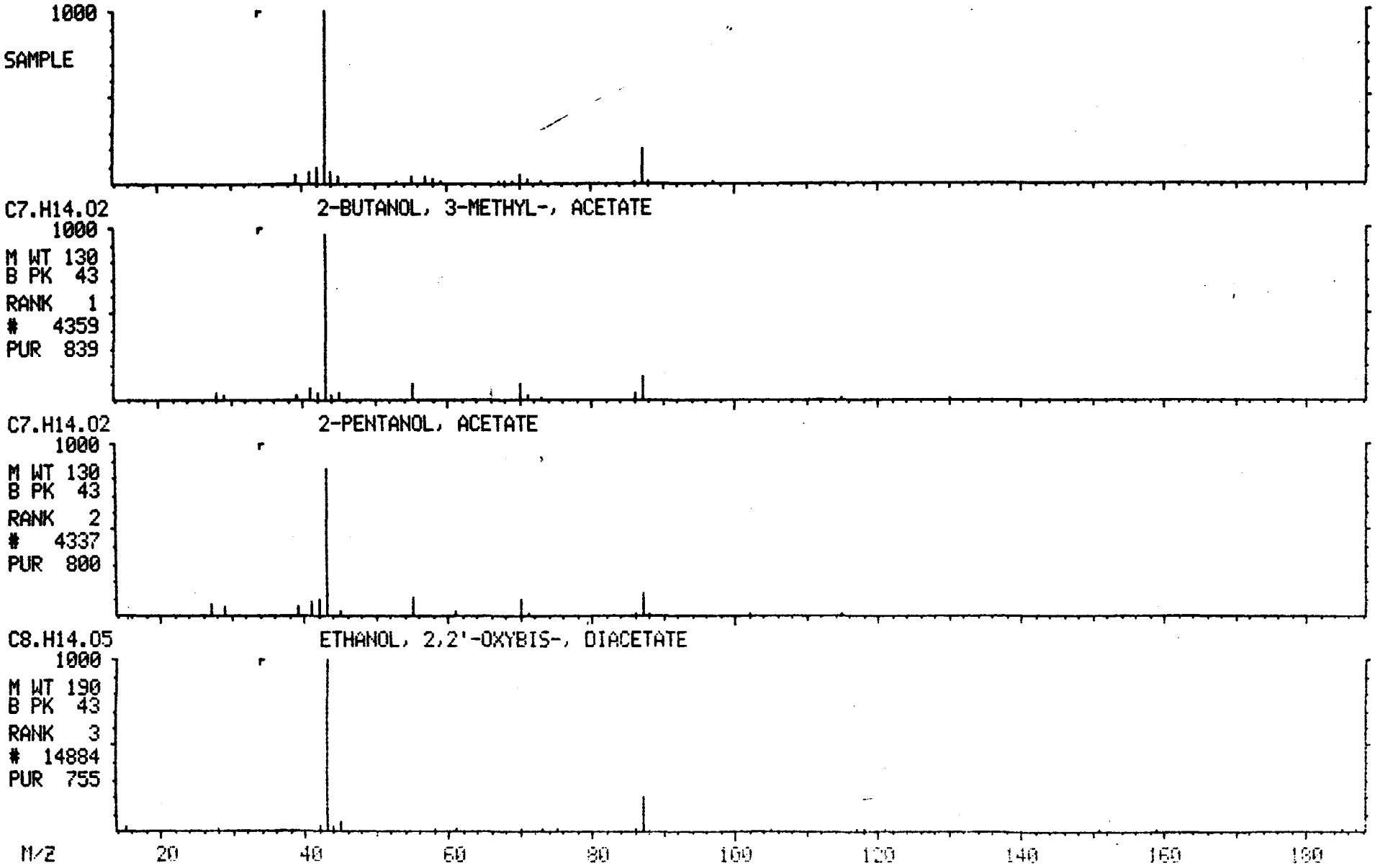


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 11:41
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1178
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 10320.

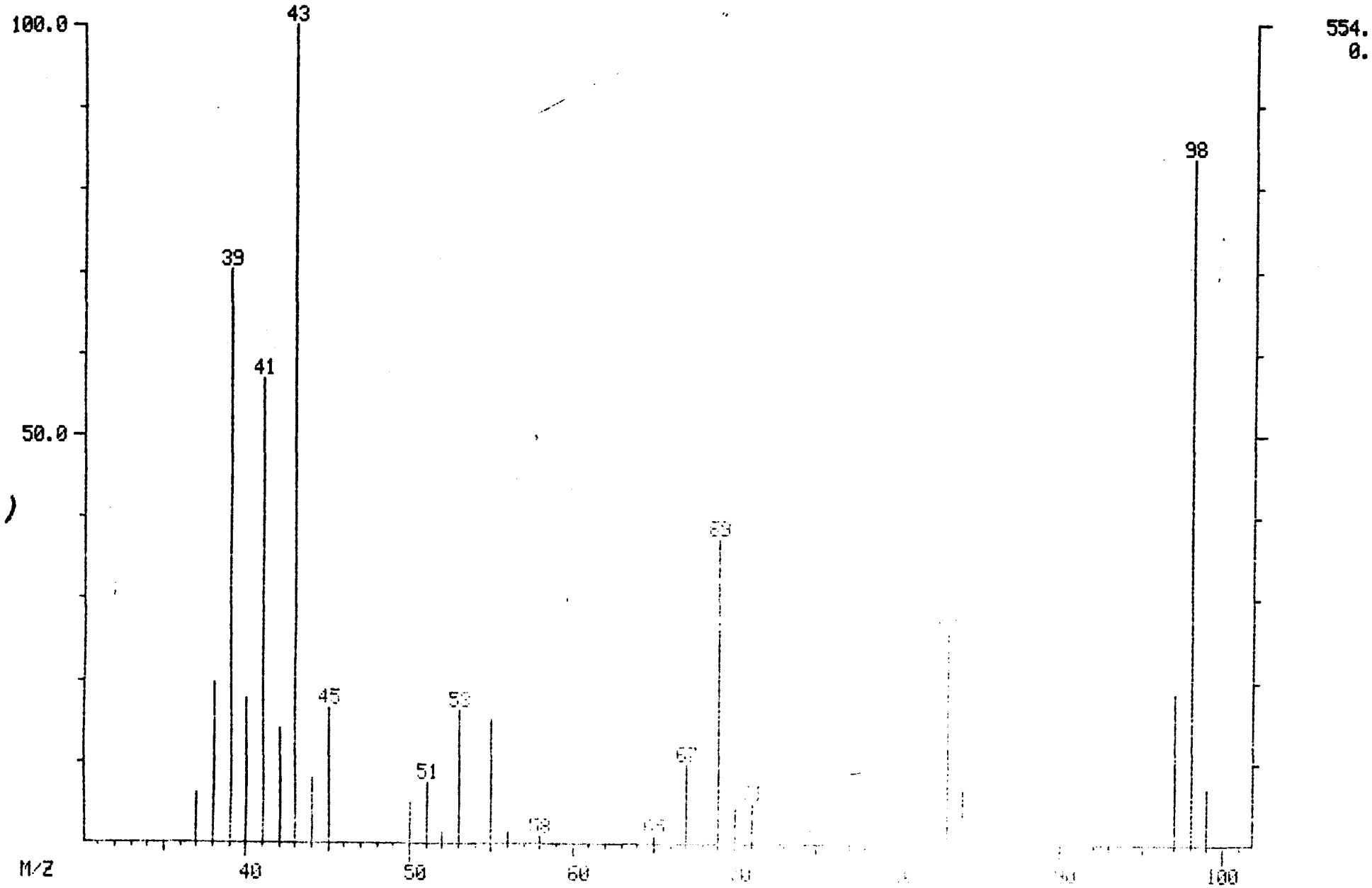
001268



MASS SPECTRUM
04/19/91 19:34:00 + 12:09
SAMPLE: 90900 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: APR19VG03 #1226
CALI: APR19VG03 #3

BASE M/Z: 43
RIC: 3096.



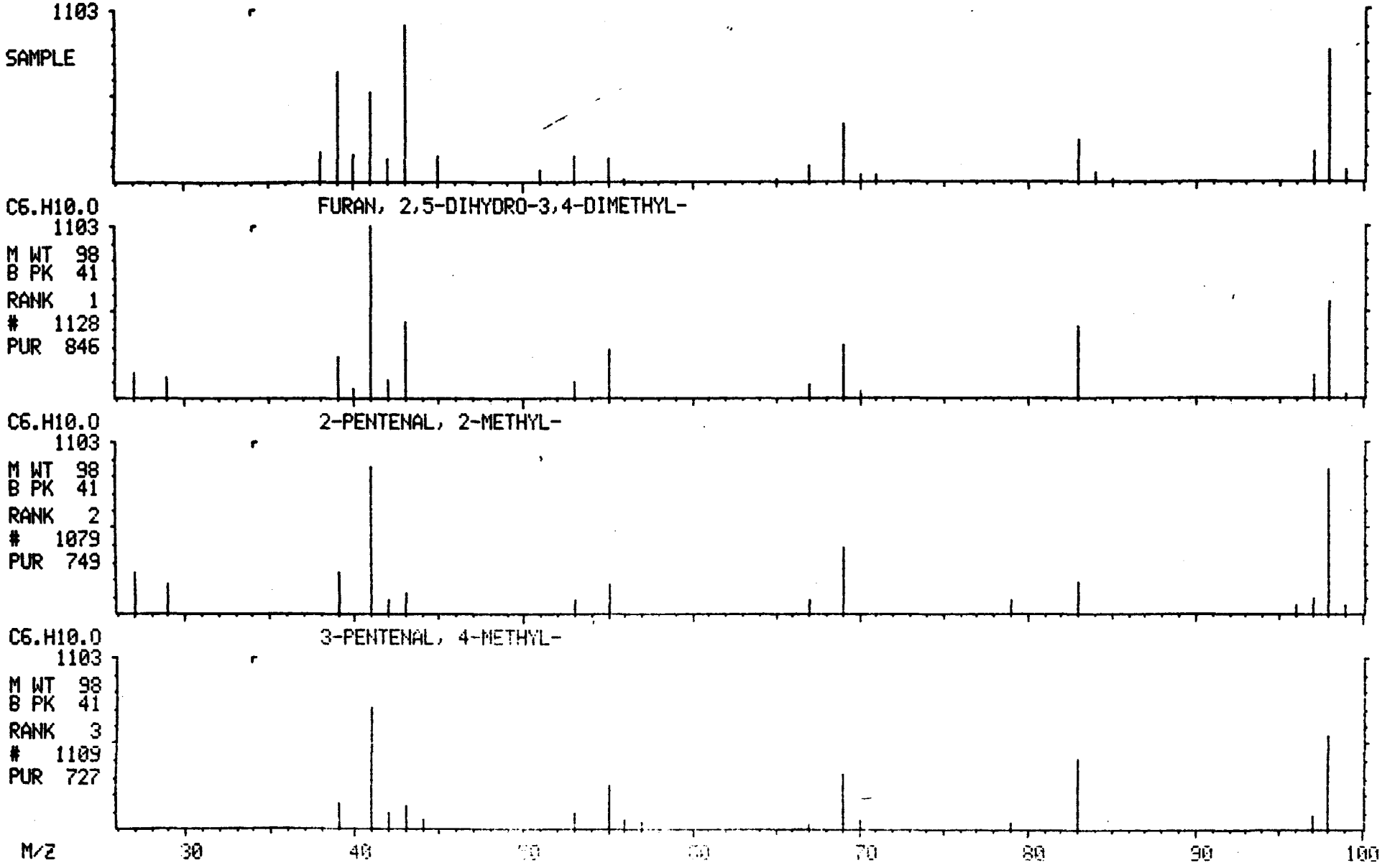
9 2 2 2 6 U U U U 5 4

001269

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 12:09
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1226
CALI: APR19VG03 # 3

BASE M/Z: 43
RIC: 2972.

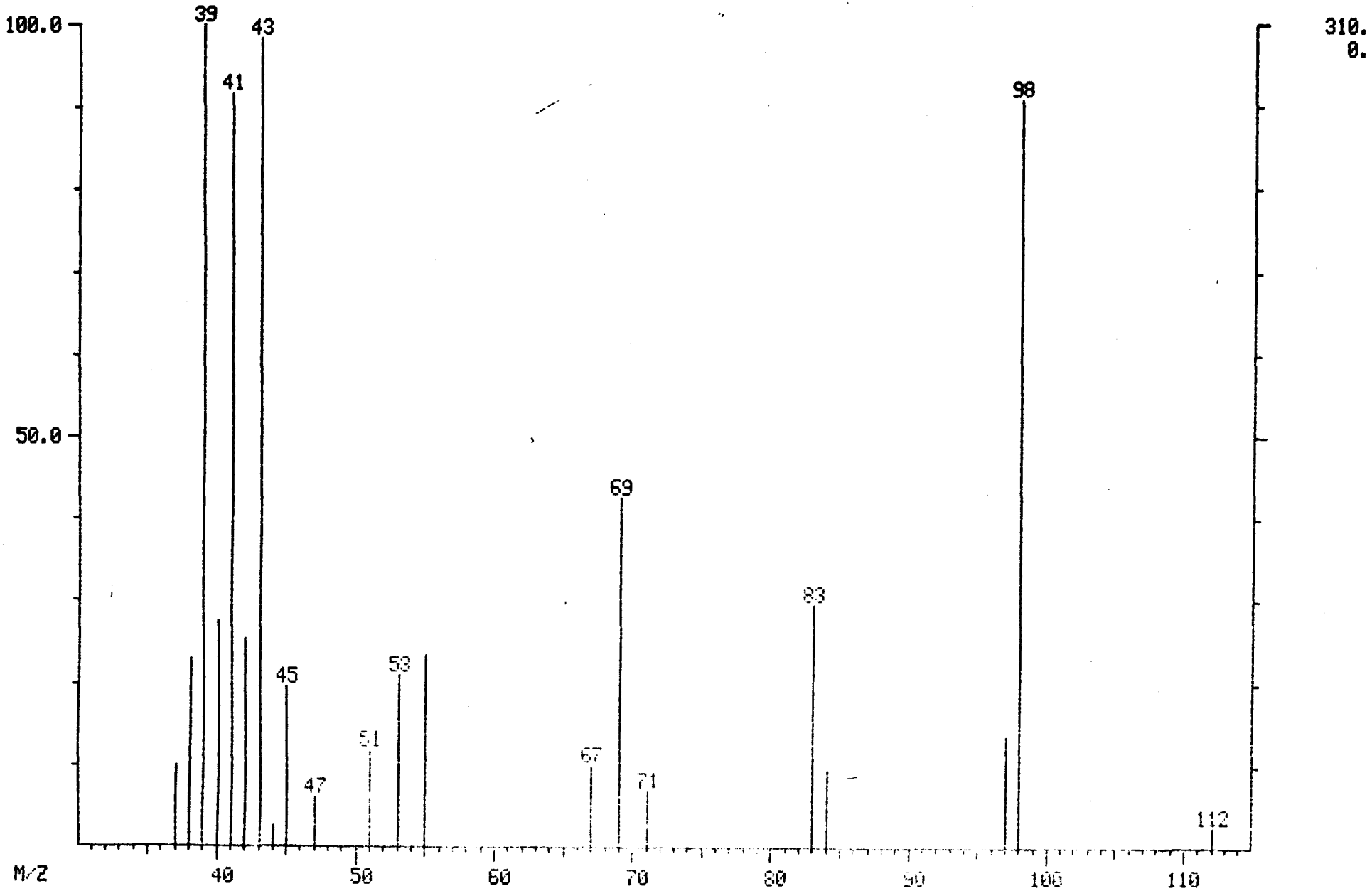


001271

MASS SPECTRUM
04/19/91 19:34:00 + 12:28
SAMPLE: 90900 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: APR19VG03 #1258
CALI: APR19VG03 #3

BASE M/Z: 39
RIC: 2076.



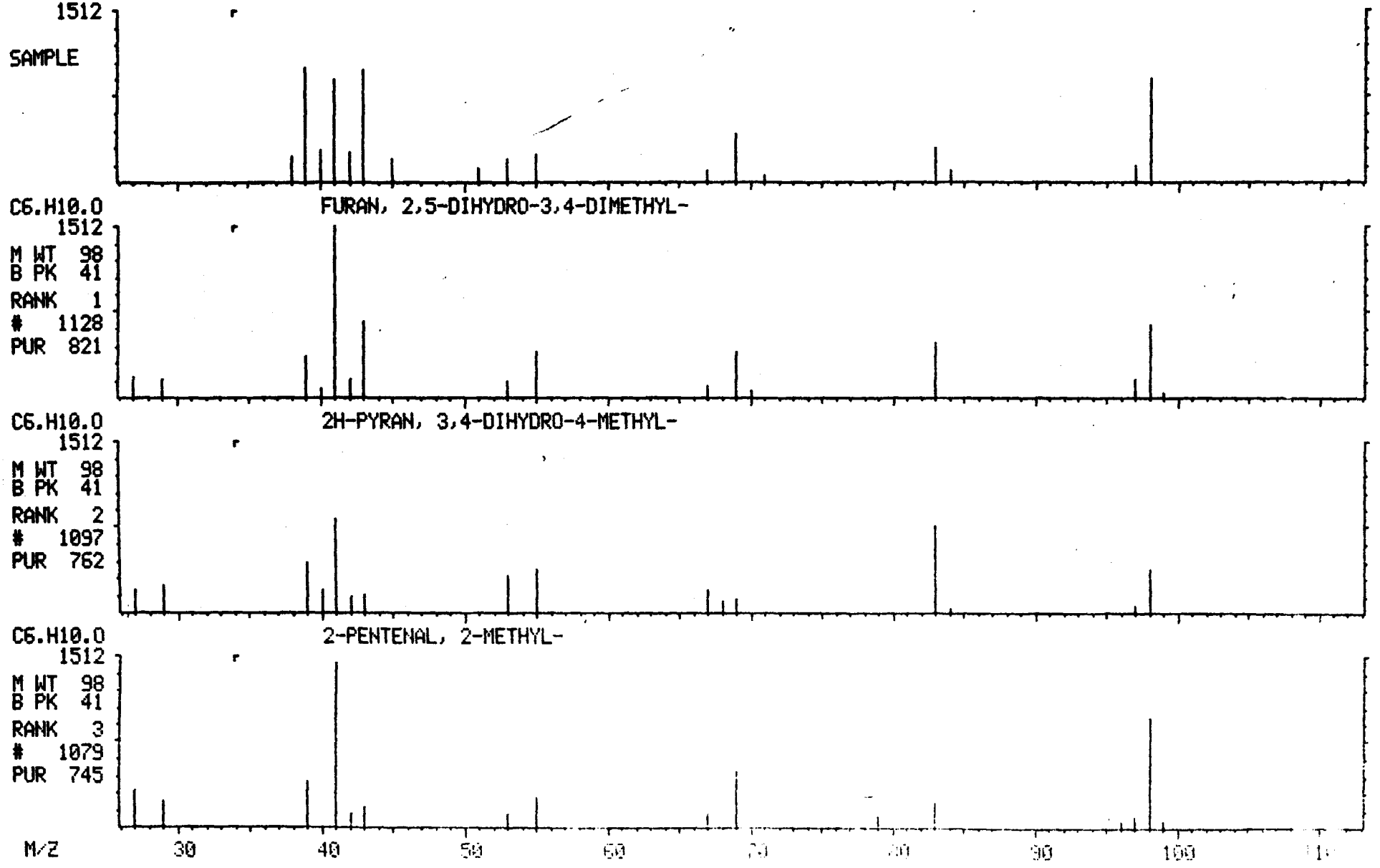
00127

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 12:28
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1258
CALI: APR19VG03 # 3

BASE M/Z: 39
RIC: 2016.

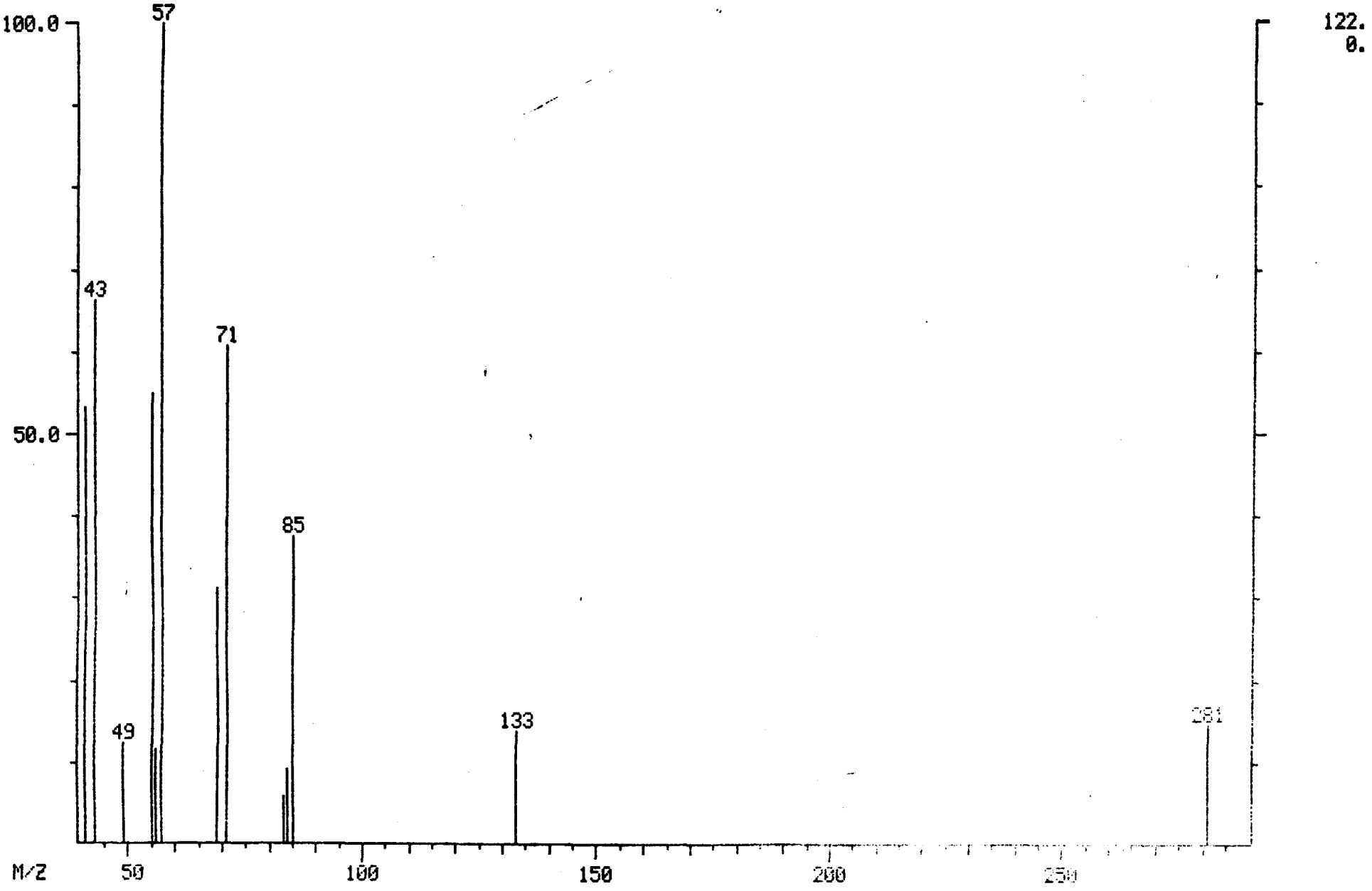
001272



MASS SPECTRUM
04/19/91 19:34:00 + 30:28
SAMPLE: 90900 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: APR19VG03 #3073
CALI: APR19VG03 #3

BASE M/Z: 57
RIC: 575.

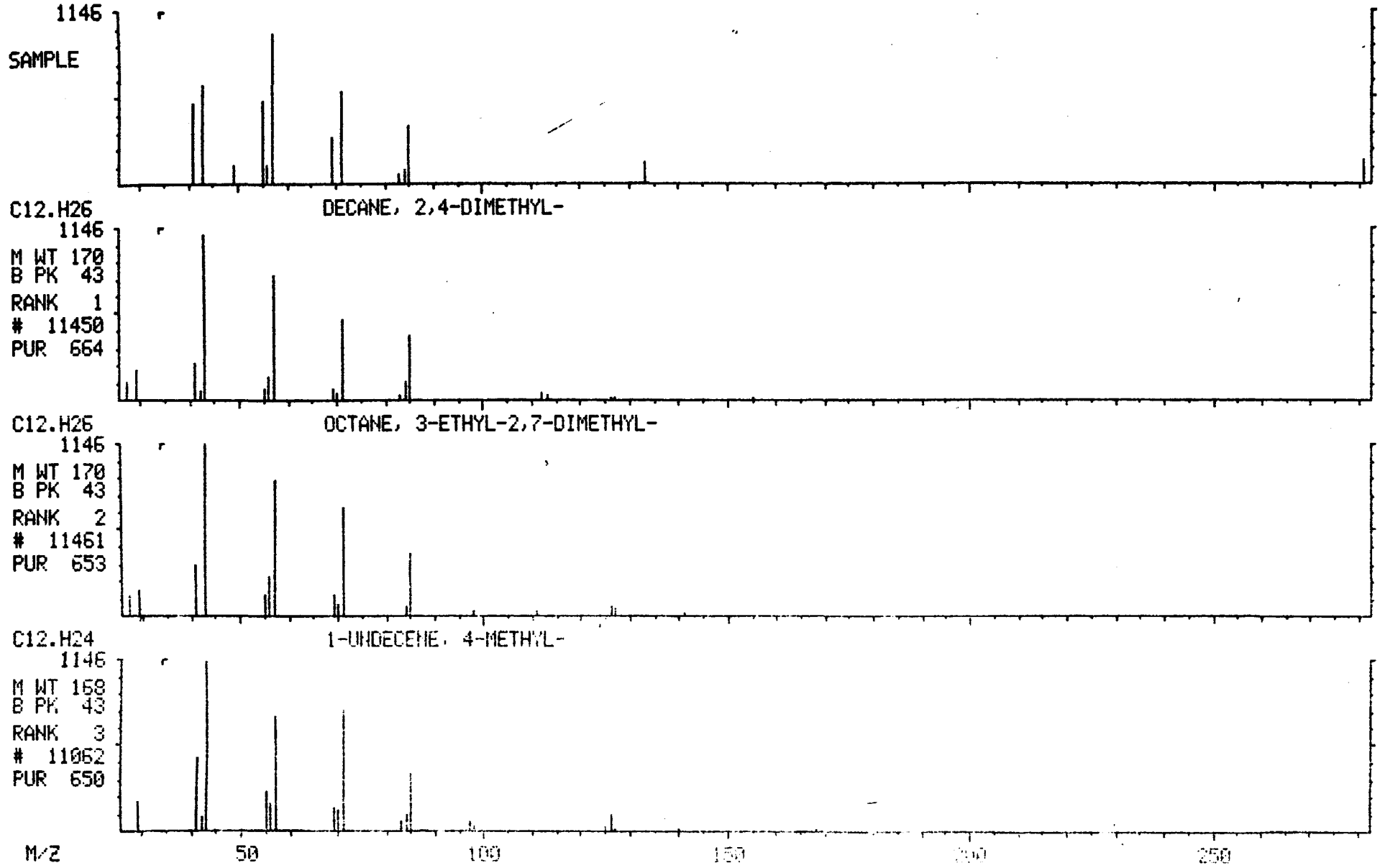


001273

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 30:28
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #3073
CALI: APR19VG03 # 3

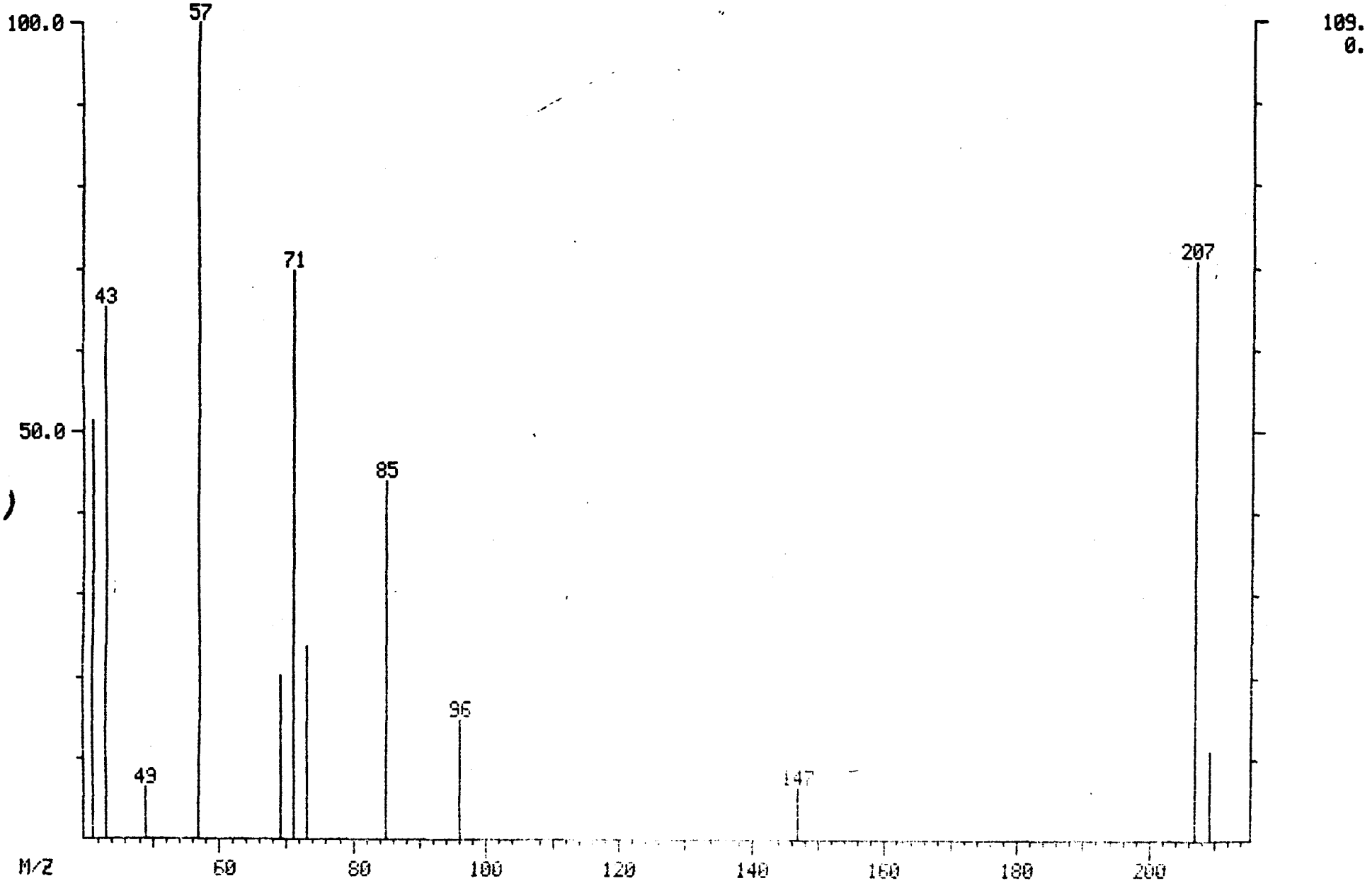
BASE M/Z: 57
RIC: 575.



MASS SPECTRUM
04/19/91 19:34:00 + 33:43
SAMPLE: 90900 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: APR19VG03 #3402
CALI: APR19VG03 #3

BASE M/Z: 57
RIC: 527.



9222600UUU4U

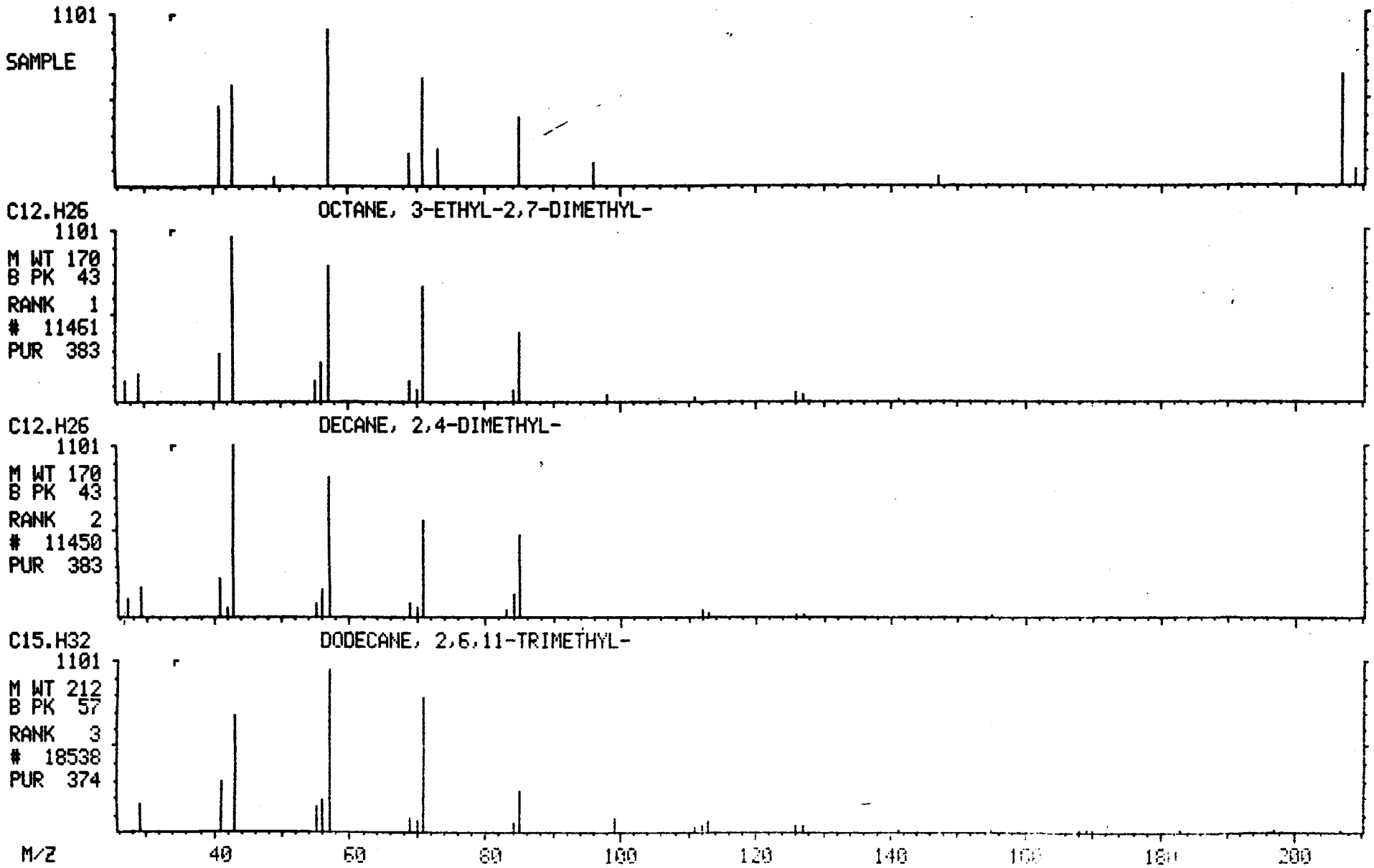
00275

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 33:43
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #3402
CALI: APR19VG03 # 3

BASE M/Z: 57
RIC: 527.

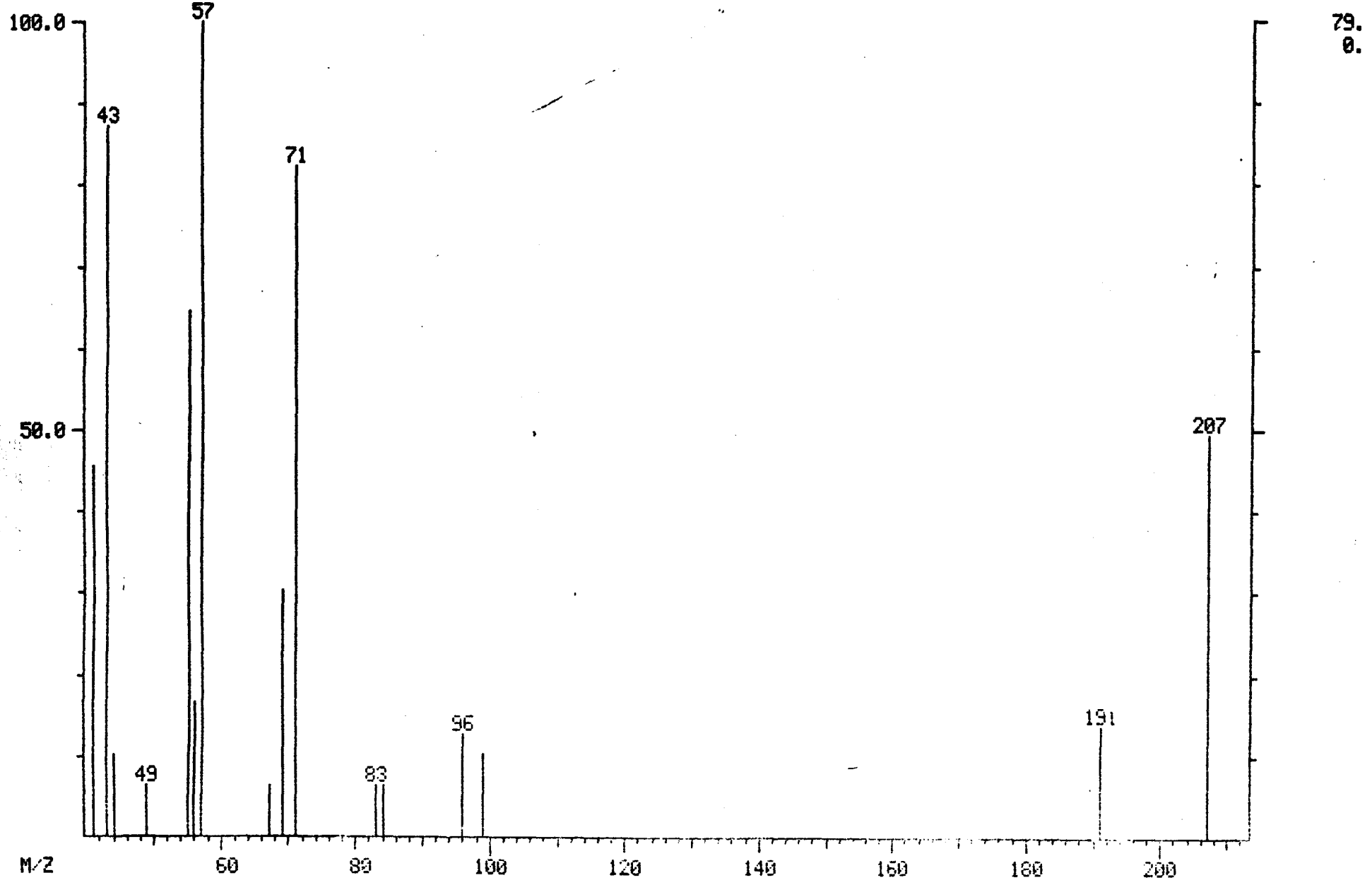
001276



MASS SPECTRUM
04/19/91 19:34:00 + 38:39
SAMPLE: 90900 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: APR19VG03 #3899
CALI: APR19VG03 #3

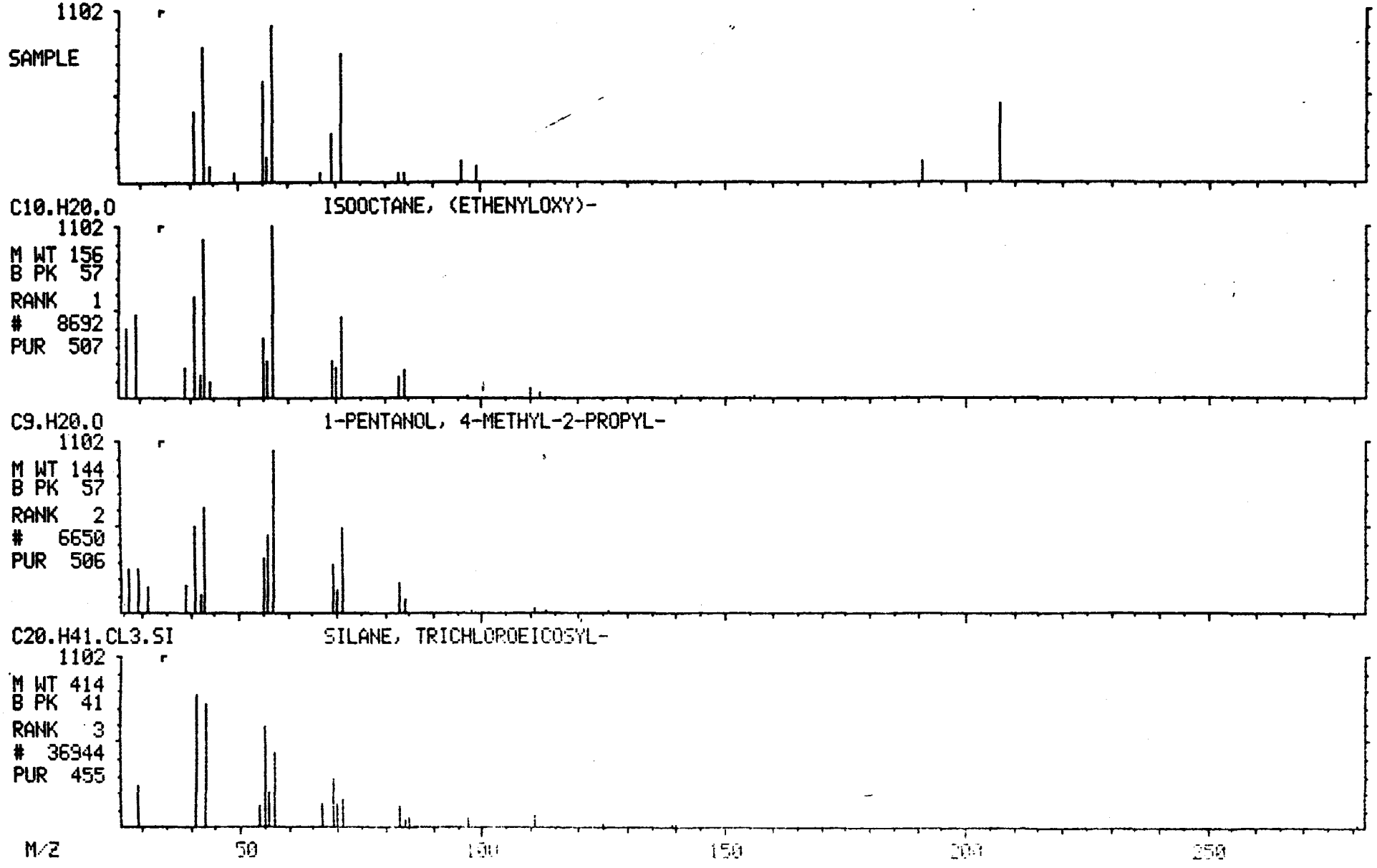
BASE M/Z: 57
RIC: 433.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 19:34:00 + 38:39
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #3899
CALI: APR19VG03 # 3

BASE M/Z: 57
RIC: 433.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X102

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 30.8 (g/mL) G Lab File ID: APR19VG04

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

% Moisture: not dec. 18 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	780	U
111-44-4	bis(2-Chloroethyl)Ether	780	U
95-57-8	2-Chlorophenol	780	U
541-73-1	1,3-Dichlorobenzene	780	U
106-46-7	1,4-Dichlorobenzene	780	U
100-51-6	Benzyl Alcohol	780	U
95-50-1	1,2-Dichlorobenzene	780	U
95-48-7	2-Methylphenol	780	U
39638-32-9	bis(2-Chloroisopropyl)Ether	780	U
106-44-5	4-Methylphenol	780	U
621-64-7	N-Nitroso-Di-n-Propylamine	780	U
67-72-1	Hexachloroethane	780	U
98-95-3	Nitrobenzene	780	U
78-59-1	Isophorone	780	U
88-75-5	2-Nitrophenol	780	U
105-67-9	2,4-Dimethylphenol	780	U
65-85-0	Benzoic Acid	3800	U
111-91-1	bis(2-Chloroethoxy)Methane	780	U
120-83-2	2,4-Dichlorophenol	780	U
120-82-1	1,2,4-Trichlorobenzene	780	U
91-20-3	Naphthalene	780	U
106-47-8	4-Chloroaniline	780	U
87-68-3	Hexachlorobutadiene	780	U
59-50-7	4-Chloro-3-Methylphenol	780	U
91-57-6	2-Methylnaphthalene	780	U
77-47-4	Hexachlorocyclopentadiene	780	U
88-06-2	2,4,6-Trichlorophenol	780	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	780	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethyl Phthalate	780	U
208-96-8	Acenaphthylene	780	U
606-20-2	2,6-Dinitrotoluene	780	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X102

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 30.8 (g/mL) G Lab File ID: APR19VG04

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

% Moisture: not dec. 18 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	3800	U
83-32-9	Acenaphthene	780	U
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	780	U
121-14-2	2,4-Dinitrotoluene	780	U
84-66-2	Diethylphthalate	780	U
7005-72-3	4-Chlorophenyl-phenylether	780	U
86-73-7	Fluorene	780	U
100-10-6	4-Nitroaniline	3800	U
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	780	U
101-55-3	4-Bromophenyl-phenylether	780	U
118-74-1	Hexachlorobenzene	780	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	780	U
120-12-7	Anthracene	780	U
84-74-2	Di-n-Butylphthalate	780	U
206-44-0	Fluoranthene	780	U
129-00-0	Pyrene	780	U
85-68-7	Butylbenzylphthalate	780	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	780	U
218-01-9	Chrysene	780	U
117-81-7	bis(2-Ethylhexyl)Phthalate	780	U
117-84-0	Di-n-Octyl Phthalate	780	U
205-99-2	Benzo(b)Fluoranthene	780	U
207-08-9	Benzo(k)Fluoranthene	780	U
50-32-8	Benzo(a)Pyrene	780	U
193-39-5	Indeno(1,2,3-cd)Pyrene	780	U
53-70-3	Dibenz(a,h)Anthracene	780	U
191-24-2	Benzo(g,h,i)Perylene	780	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X102

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190901

Sample wt/vol: 30.8 (g/mL) G Lab File ID: APR19VG04

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

% Moisture: not dec. 18 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: 19

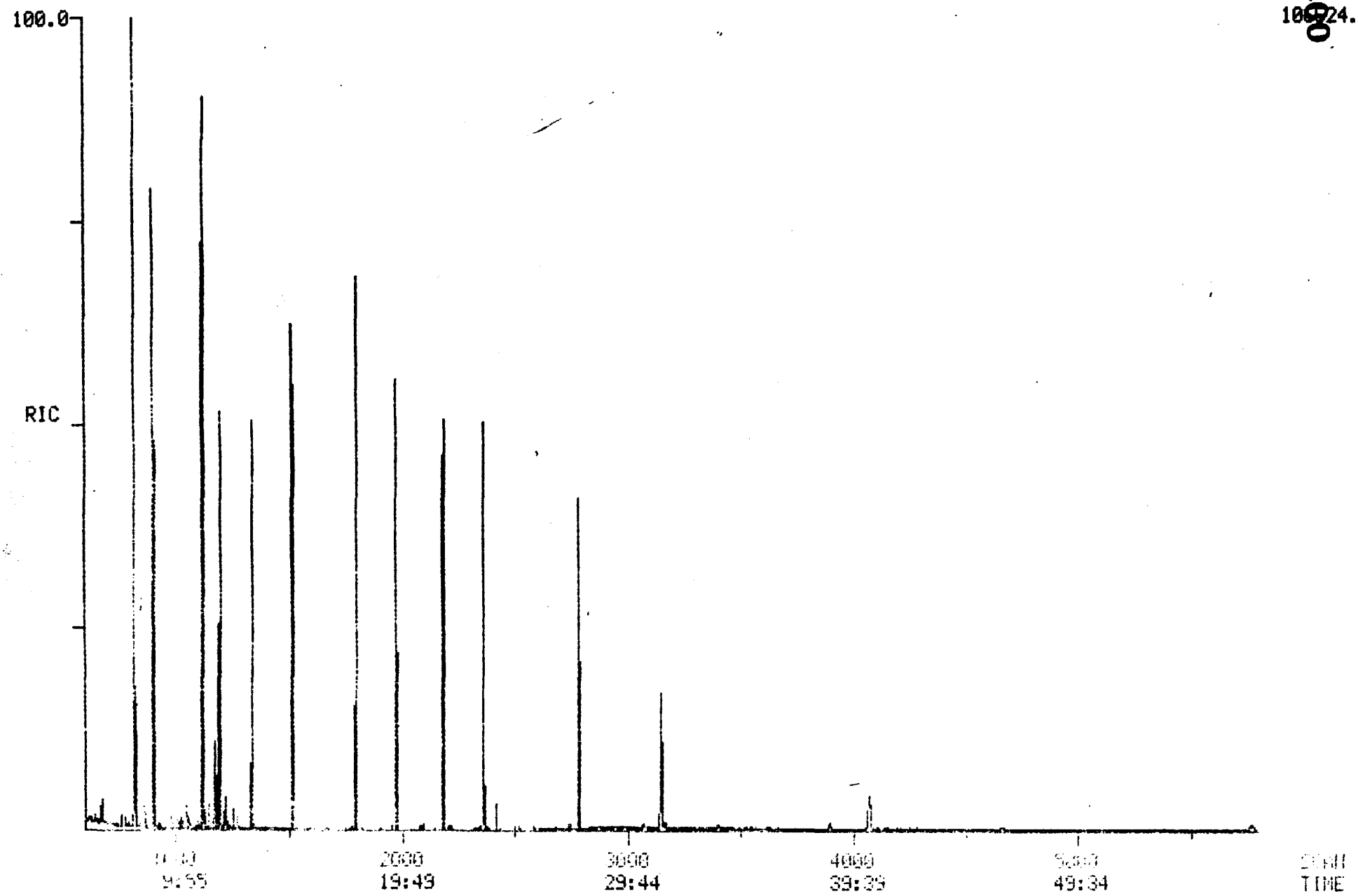
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.55	37	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.13	3000	BAJ
3.	UNKNOWN	8.55	67	BJ
4.	UNKNOWN	9.70	40	BJ
5.	UNKNOWN	9.77	37	J
6.	UNKNOWN	10.19	51	J
7.	UNKNOWN	10.44	66	BJ
8.	UNKNOWN	10.55	28	J
9.	UNKNOWN	11.22	59	BJ
10.	UNKNOWN	11.40	76	BJ
11.	UNKNOWN	11.65	290	BJ
12.	UNKNOWN	12.04	72	BJ
13.	UNKNOWN	12.14	97	BJ
14.	UNKNOWN	12.45	68	J
15.	UNKNOWN	12.64	56	J
16.	UNKNOWN PHTHALATE	24.00	86	J
17.	UNKNOWN	24.97	29	J
18.	UNKNOWN ALIP. HYDROCARBON	30.44	27	J
19.	UNKNOWN ALIP. HYDROCARBON	38.62	49	J

X102

RIC
04/19/91 20:58:00
SAMPLE: 90901 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: APR19VG04 #1 SCANS 600 TO 5800
CALI: APR19VG04 #3



```
 4/19/91     20:58:45
     Acquisition started


 4/19/91     20:58:48
Acquire                          Run 0:APR19VG04          Starting
04/19/91 20:58:00 +  0:00        Free sectors: 17401      Scan: 0 of 5800
Sample: 90901 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

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 22:02:18
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	4.1	3449.4	0.1	44837. 8.	13.

001284

Quantitation Report File: APR19VG04

Data: APR19VG04.TI
04/19/91 20:58:00
Sample: 90901 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

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	1196	11:51	1	1.000	A BB	34956.	40.000 UG/L	4.46
2	94	1124	11:08	1	0.940	A BB	156.	0.155 UG/L	0.02
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	45	1270	12:35	1	1.062	A BB	190.	0.130 UG/L	0.01
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	904	8:58	1	0.756	A BB	61984.	105.887 %	11.82
15	99	1121	11:07	1	0.937	A BB	73046.	109.892 %	12.27
16	136	1516	15:02	16	1.000	A BB	86336.	40.000 UG/L	4.46
17	77	1337	13:15	16	0.882	A BB	252.	0.250 UG/L	0.03
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	1337	13:15	16	0.882	A BB	49752.	93.667 %	10.45
31	162	1977	19:36	31	1.000	A BB	38494.	40.000 UG/L	4.46
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	1799	17:50	31	0.910	A BB	65336.	135.954 %	15.17

Quantitation Report File: APR19VG04

Data: APR19VG04.TI
04/19/91 20:58:00
Sample: 90901 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	C661 AZOBENZENE
62	C665 PYRENE
63	C615 N-NITROSODIPHENYLAMINE
64	C170 D12-CHRYSENE (INTERNAL)
65	C675 BUTYLBENZYLPHTHALATE
66	C680 3,3'-DICHLOROBENZIDINE
67	C685 BENZO(A)ANTHRACENE
68	C690 BIS(2-ETHYLHEXYL)PHTHALATE
69	C695 CHRYSENE
70	C700 [illegible] (SURROGATE)
71	C175 [illegible] (INTERNAL)
72	C705 DI-N-OCTYLPHTHALATE
73	C710 BENZO(B)FLUORANTHENE
74	C715 BENZO(K)FLUORANTHENE
75	C720 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	323	2194	21:39	31	1.105	A BB	10428.	117.094	%	13.07
52	188	2363	23:25	52	1.000	A BV	62952.	40.000	UG/L	4.46
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
57	176	2369	23:29	52	1.003	A BB	636.	0.385	UG/L	0.04
58	NOT FOUND									
59	149	2523	25:00	52	1.068	A BB	778.	0.345	UG/L	0.04
60	202	2687	26:38	52	1.137	A BB	1226.	0.833	UG/L	0.09
61	NOT FOUND									
62	202	2747	27:14	52	1.163	A BB	1108.	0.759	UG/L	0.08
63	NOT FOUND									
64	240	3148	31:12	64	1.000	A BB	34352.	40.000	UG/L	4.46
65	NOT FOUND									

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
66	NOT	FOUND								
67	228	3140	31:07	64	0.997	A BB	280.	0.305	UG/L	0.03
68	149	3166	31:23	64	1.006	A BB	1436.	1.744	UG/L	0.19
69	228	3157	31:18	64	1.003	A BB	332.	0.382	UG/L	0.04
70	244	2786	27:37	64	0.885	A BB	44702.	88.307	%	9.86
71	264	4072	40:22	71	1.000	A BB	16698.	40.000	UG/L	4.46
72	NOT	FOUND								
73	NOT	FOUND								
74	NOT	FOUND								
75	NOT	FOUND								
76	NOT	FOUND								
77	NOT	FOUND								
78	NOT	FOUND								

Quantitation Report File: APR19VG04A

Data: APR19VG04.TI
04/19/91 20:58:00
Sample: 90901 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) * 0.025
Resp. fac. from Library Entry

$\frac{410061}{209896} \times 40 \times \frac{1}{30.76} \times \frac{1}{100} = 0.025$

No	CAS #	Name
1	14617-97-1	BUTYRIC ACID, M-NITROPHENYL ESTER
2	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
3	57266-86-1	2-HEPTENAL, (Z)-
4	75-36-5	ACETYL CHLORIDE (DOT)
5	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
6	930-68-7	2-CYCLOHEXEN-1-ONE
7	17160-89-3	ETHANONE, 1-(1-HYDROXYCYCLOPENTYL)-
8	7740-69-4	1-BUTYNE, 3-ETHOXY-3-METHYL-
9	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
10	18720-66-6	3-HEPTANOL, 6-METHYL-
11	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
12	61142-42-5	2-OCTENE, 2-METHOXY-
13	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
14	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
15	106-87-6	7-OXABICYCLO[4.1.0]HEPTANE, 3-OXIRANYL-
16	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST
17	127-63-9	BENZENE, 1,1'-SULFONYLBIS-
18	2050-77-3	DECANE, 1-IODO-
19	2050-77-3	DECANE, 1-IODO-
20	[illegible]	ARSENOUS ACID, TRIS(TRIMETHYLSILYL) ESTER

No	Type	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	742	7:33	2	0.929	A BB	4937.UNK	0.030B	0.85
2	RIC	820	8:08	2	1.000	A BB	410061.thp OL	2.500BA	70.71
3	RIC	863	8:33	2	1.052	A BB	9079.UNK	0.055B	1.57
4	RIC	876	9:42	2	1.193	A BB	5490.UNK	0.033B	0.95
5	RIC	886	9:46	2	1.202	A BB	4932.UNK	0.030	0.85
6	RIC	1028	10:11	2	1.254	A BB	6932.UNK	0.042	1.20
7	RIC	1053	10:26	2	1.284	A BB	8841.UNK	0.054B	1.52
8	RIC	1065	10:33	2	1.299	A BB	3727.UNK	0.023	0.64
9	RIC	1132	11:13	2	1.380	A VB	7944.UNK	0.048B	1.37
10	RIC	1150	11:24	2	1.402	A BB	10137.UNK	0.062B	1.75
11	RIC	1176	11:39	2	1.434	A BB	39219.UNK	0.239B	6.76
12	RIC	1214	12:02	2	1.480	A BB	9672.UNK	0.059B	1.67
13	RIC	1224	12:08	2	1.493	A VV	13077.UNK	0.080B	2.26
14	RIC	1256	12:27	2	1.532	A BB	9211.UNK	0.056	1.59
15	RIC	1274	12:38	2	1.554	A BB	7486.UNK	0.046	1.29
16	RIC	2421	24:00	2	2.952	A BB	11700.Mic Pltl	0.071	2.02
17	RIC	2518	24:58	2	3.071	A BB	3975.UNK	0.024	0.69
18	RIC	3070	30:26	2	3.744	A BB	3670.HC	0.022	0.63
19	RIC	3896	38:37	2	4.751	A BB	6554.HC	0.040	1.13
20	RIC	~~[illegible]~~	57:14	2	7.041	A BV	~~3242.~~	0.020	0.56

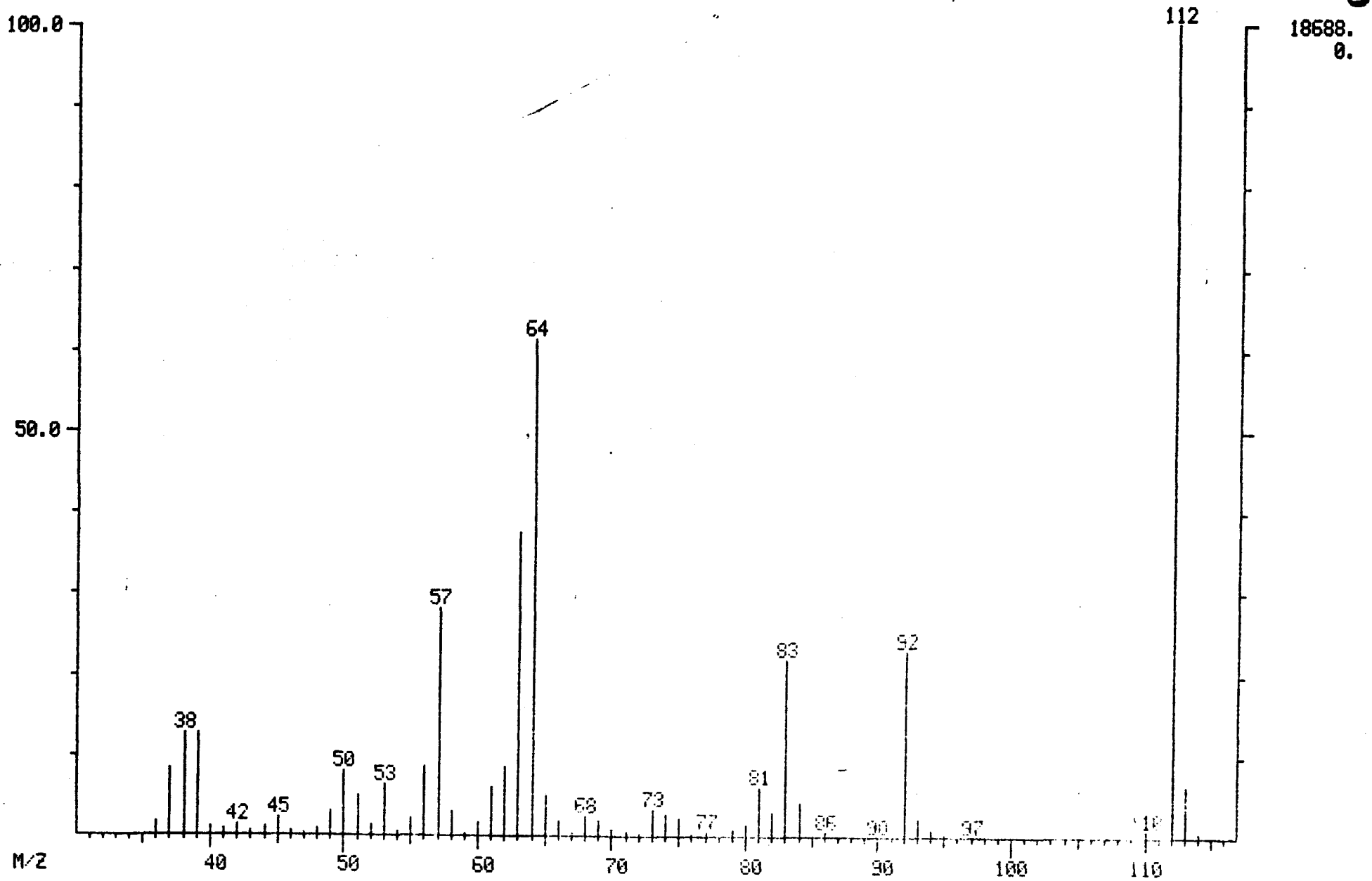
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 20:58:00 + 8:58
SAMPLE: 90901 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: APR19VG04 #904
CALI: APR19VG04 #3

BASE M/Z: 112
RIC: 78592.

001291

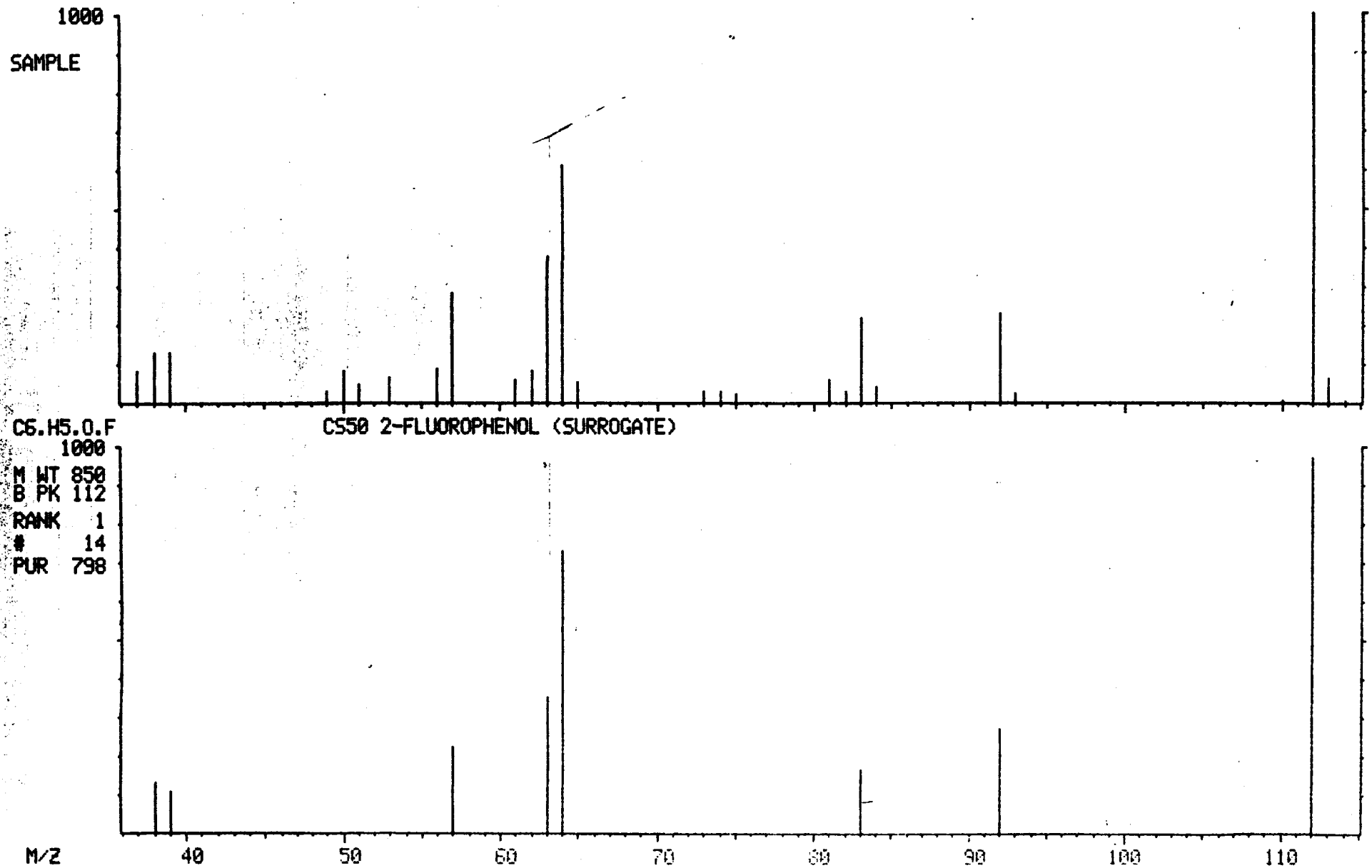


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 8:58
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 904
CALI: APR19VG04 # 3

BASE M/Z: 112
RIC: 72576.

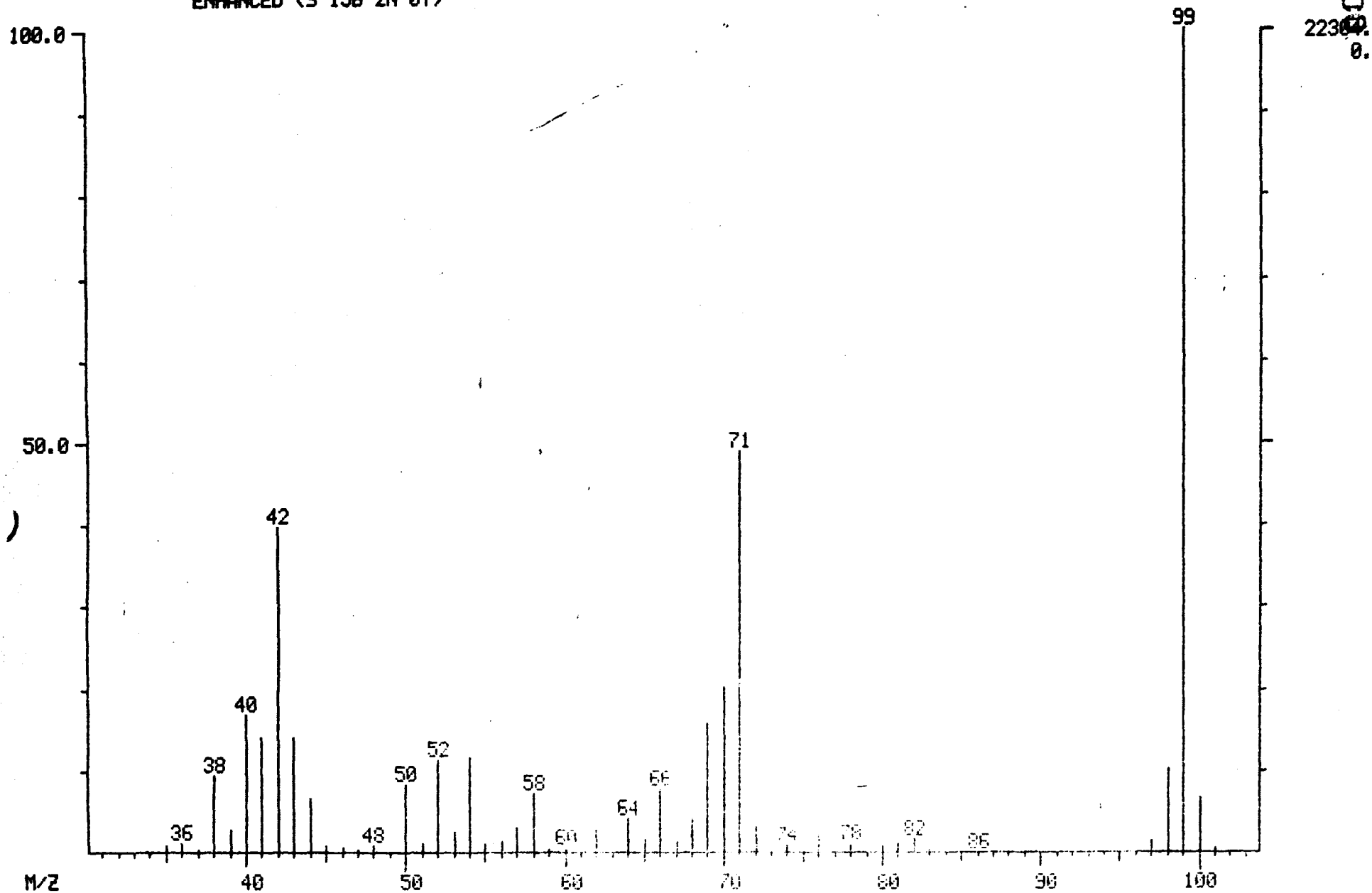
001292



MASS SPECTRUM
04/19/91 20:58:00 + 11:07
SAMPLE: 90901 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: APR19VG04 #1121
CALI: APR19VG04 #3

BASE M/Z: 99
RIC: 88192.

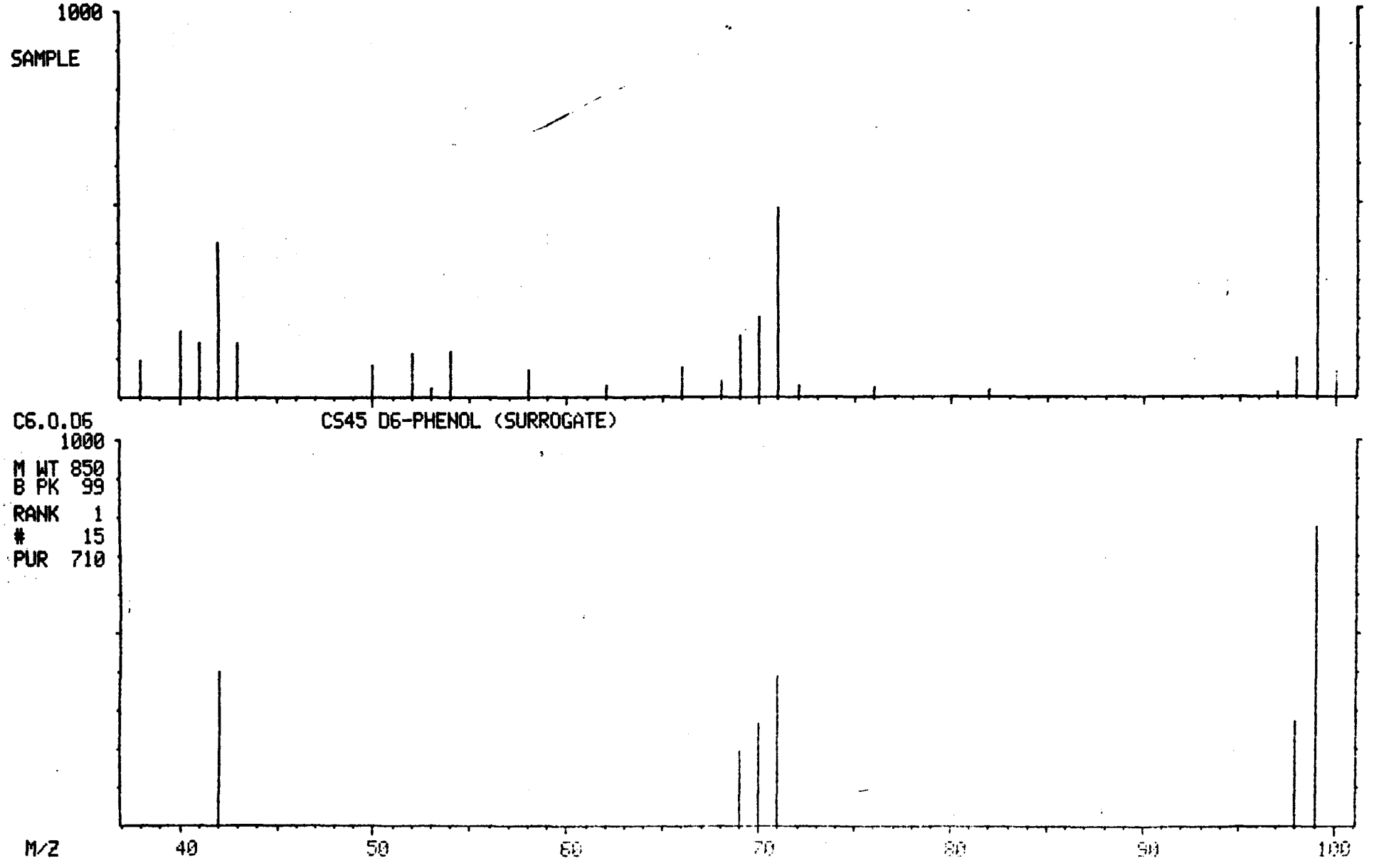


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 11:07
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1121
CALI: APR19VG04 # 3

BASE M/Z: 99
RIC: 80640.

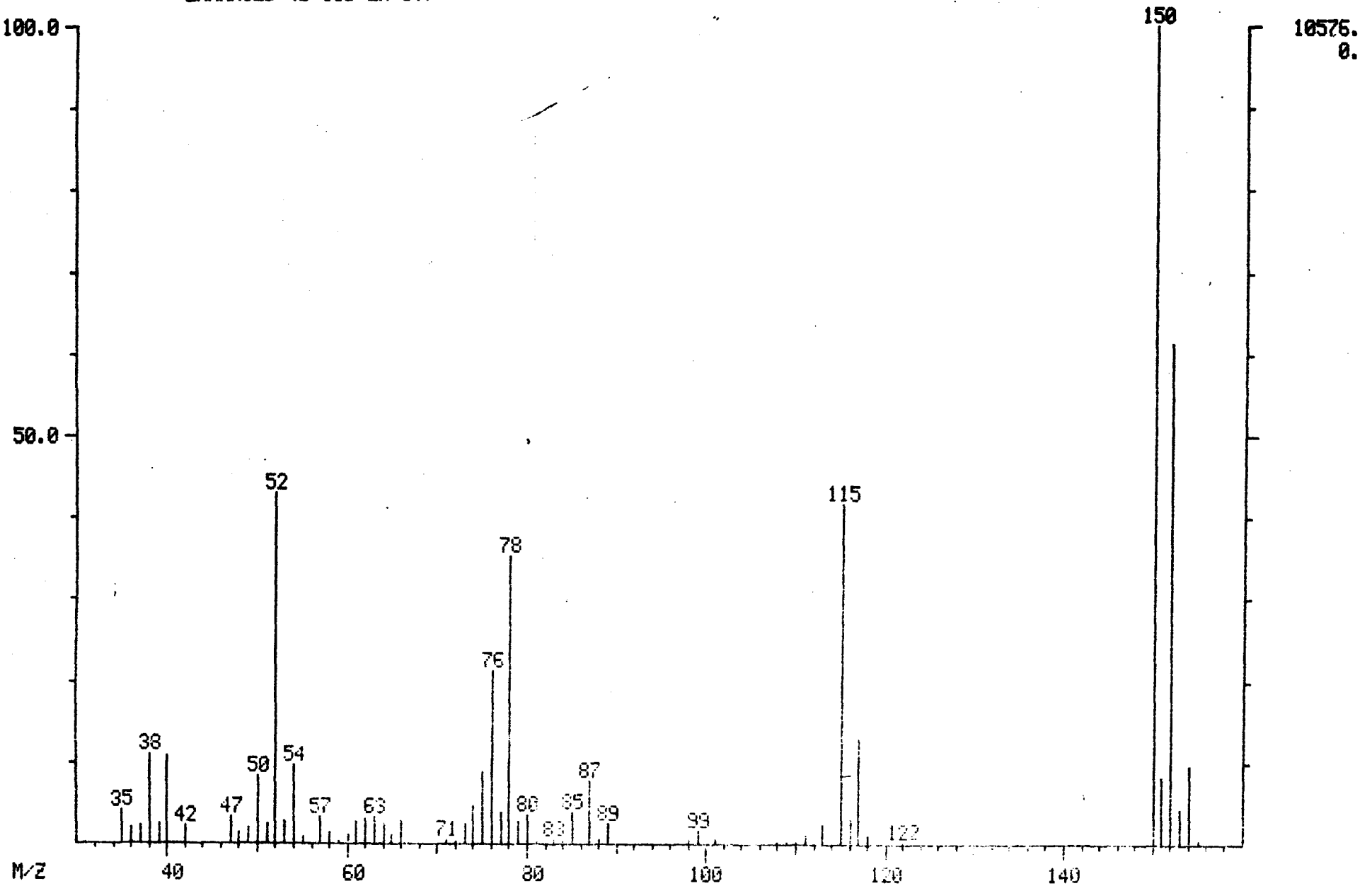
001294



MASS SPECTRUM
04/19/91 20:58:00 + 11:51
SAMPLE: 90901 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: APR19VG04 #1196
CALI: APR19VG04 #3

BASE M/Z: 150
RIC: 50816.



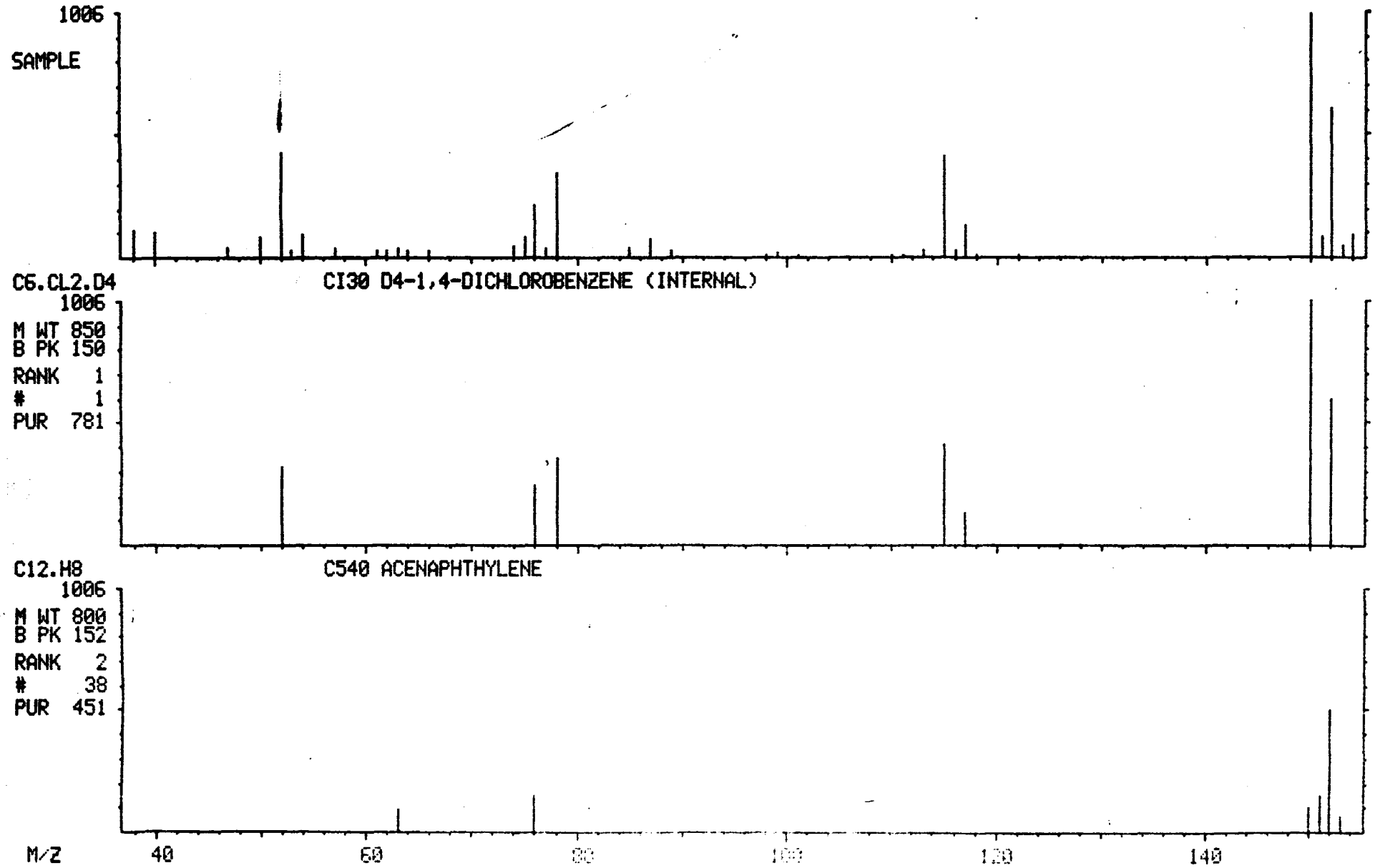
001295

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 11:51
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1196
CALI: APR19VG04 # 3

BASE M/Z: 150
RIC: 46976.

001296

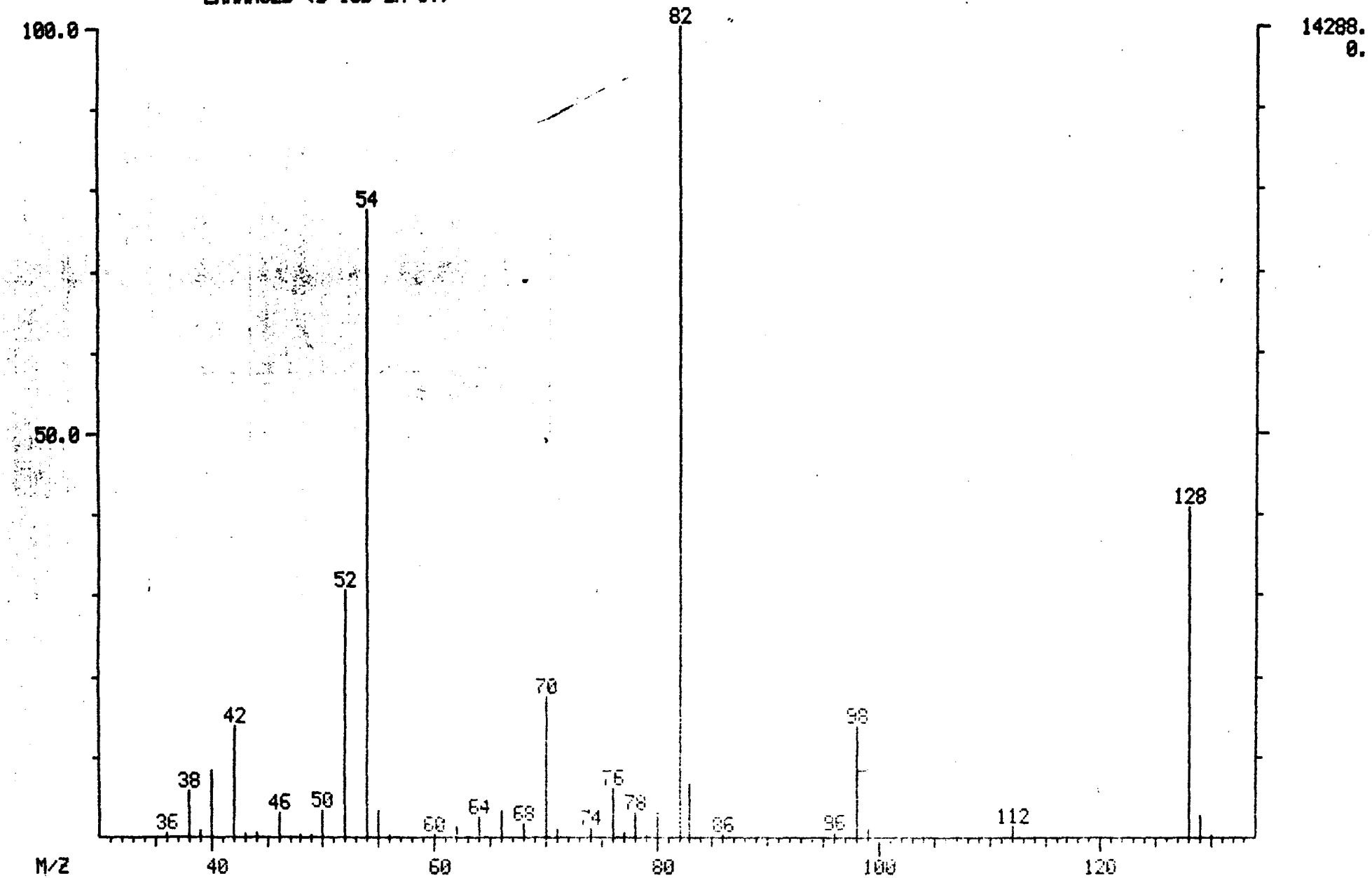


MASS SPECTRUM
04/19/91 20:58:00 + 13:15
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1337
CALI: APR19VG04 #3

BASE M/Z: 82
RIC: 51264.

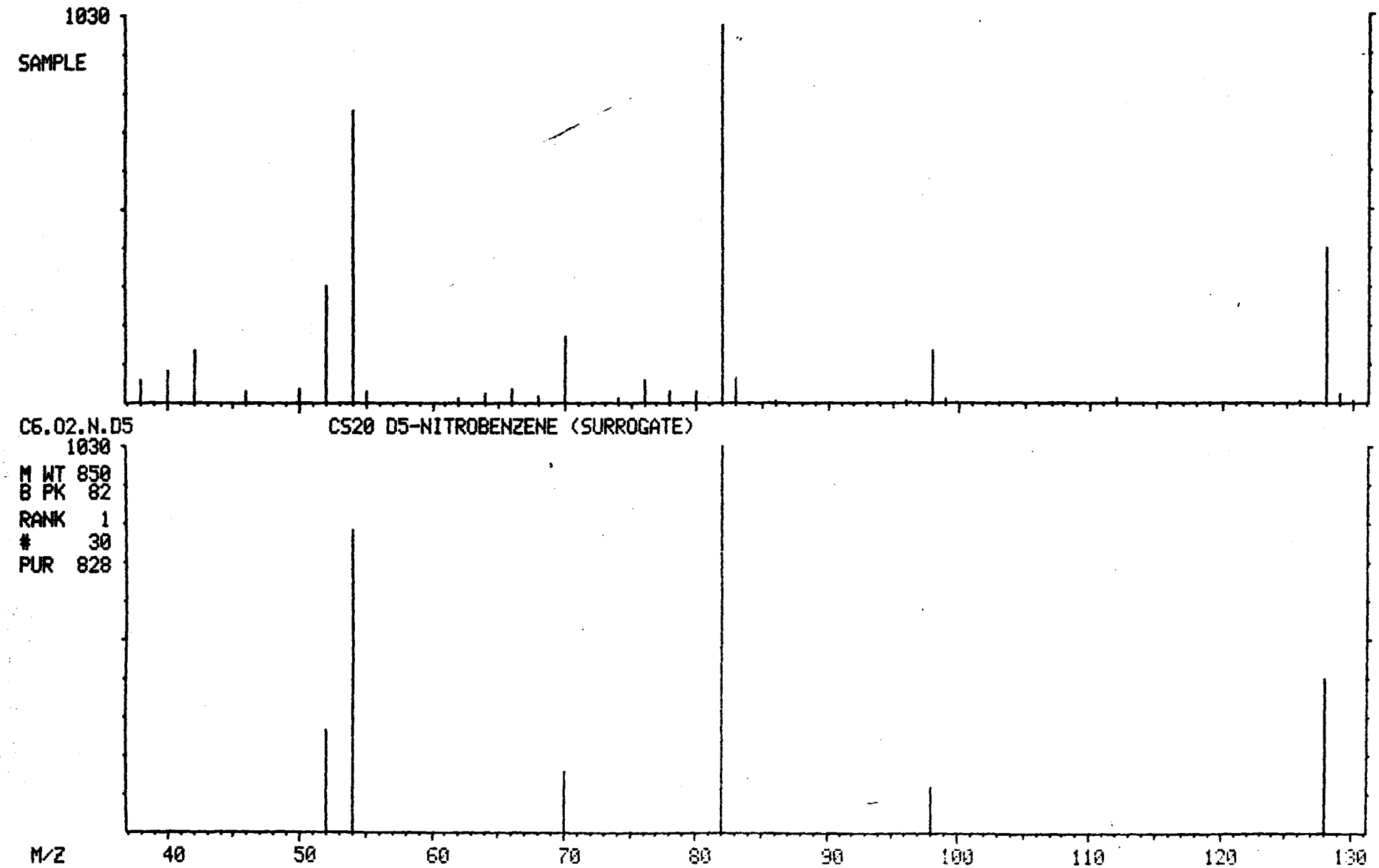
001297



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 13:15
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1337
CALI: APR19VG04 # 3

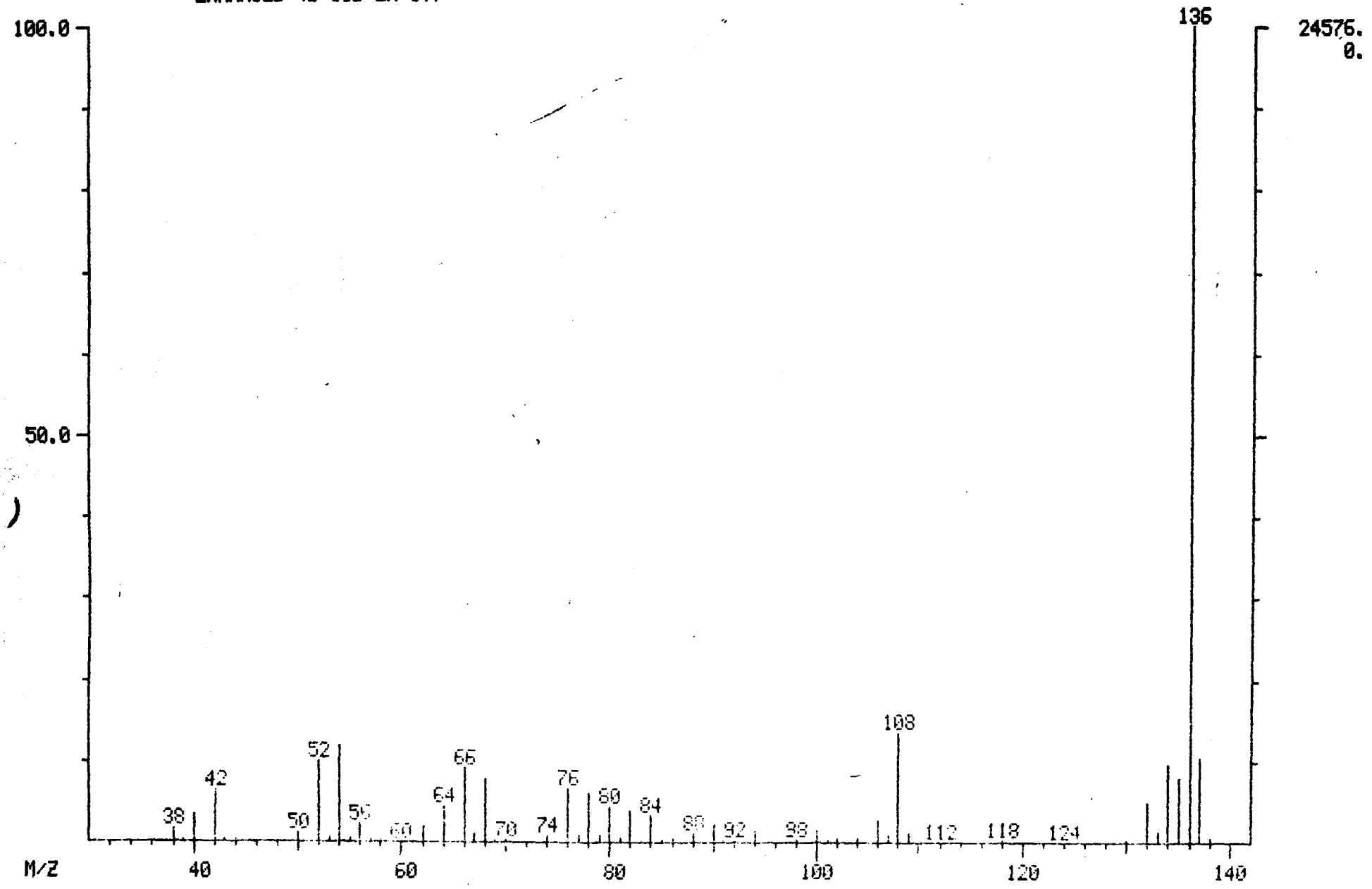
BASE M/Z: 82
RIC: 50368.



MASS SPECTRUM
04/19/91 20:58:00 + 15:02
SAMPLE: 90901 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: APR19VG04 #1516
CALI: APR19VG04 #3

BASE M/Z: 136
RIC: 62592.



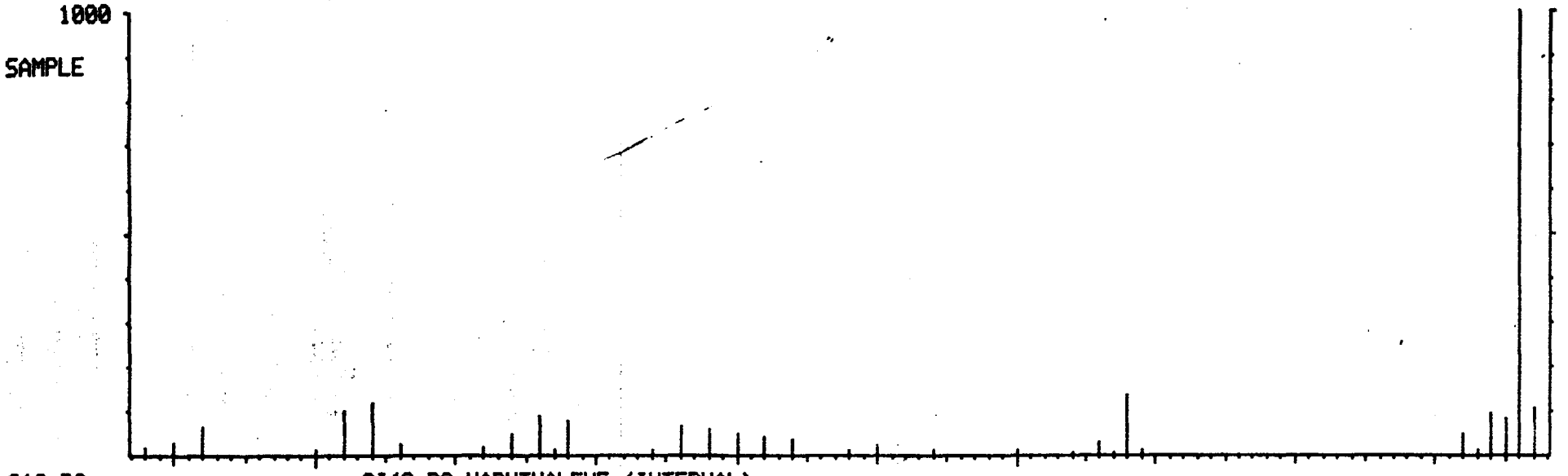
001259

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 15:02
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1516
CALI: APR19VG04 # 3

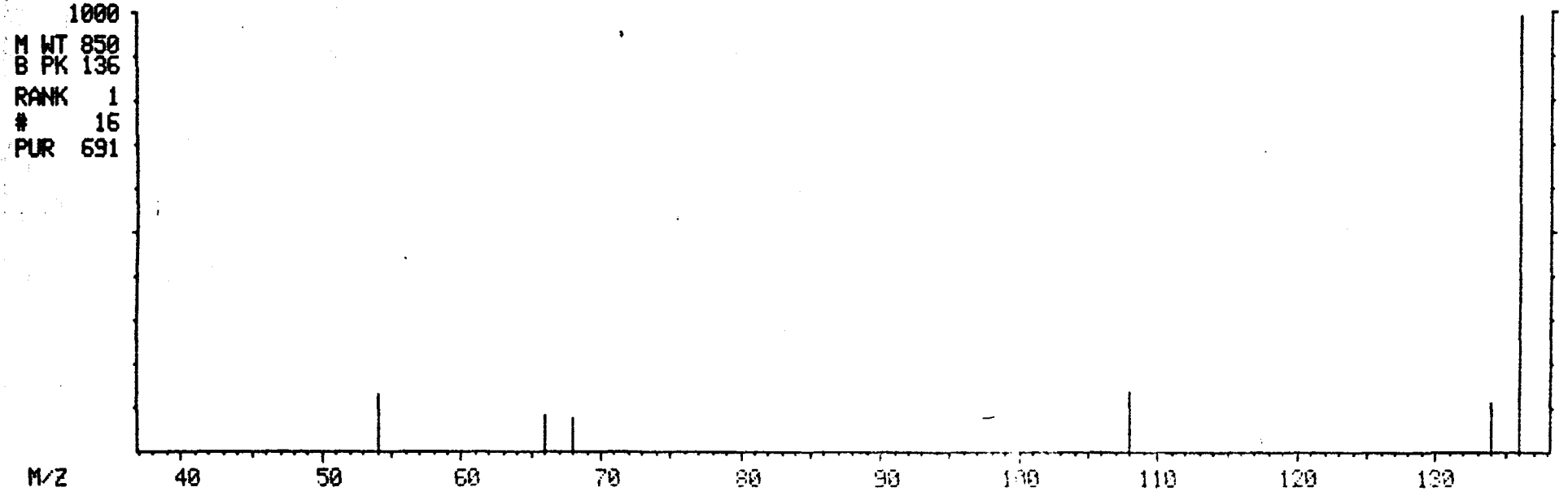
BASE M/Z: 136
RIC: 60352.

00320



C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)

M WT 850
B PK 136
RANK 1
16
PUR 691

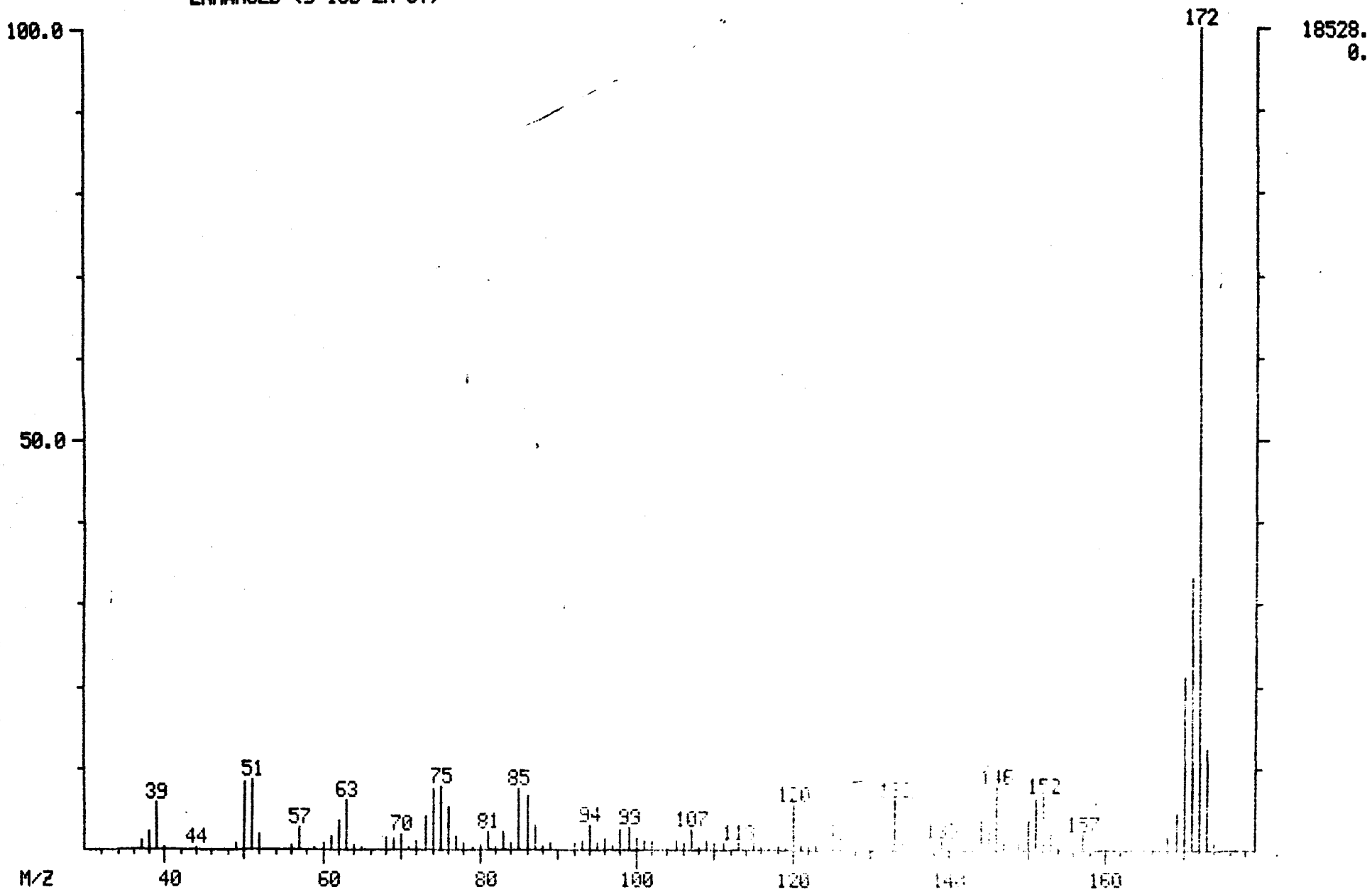


MASS SPECTRUM
04/19/91 20:58:00 + 17:50
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1799
CALI: APR19VG04 #3

BASE M/Z: 172
RIC: 68224.

001301



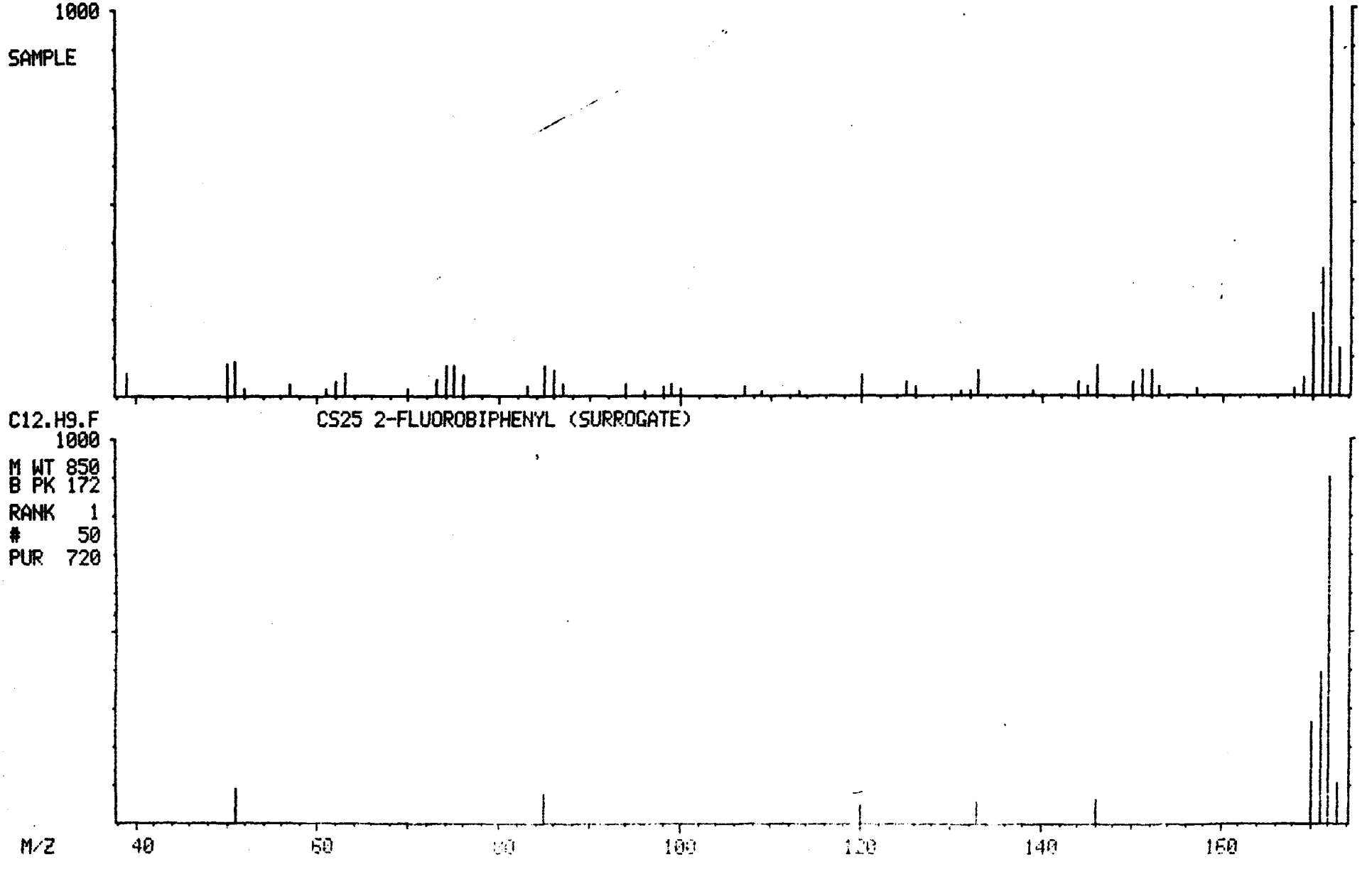
9 2 2 2 6 0 0 0 0 6 6

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 17:50
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1799
CALI: APR19VG04 # 3

BASE M/Z: 172
RIC: 60864.

004302

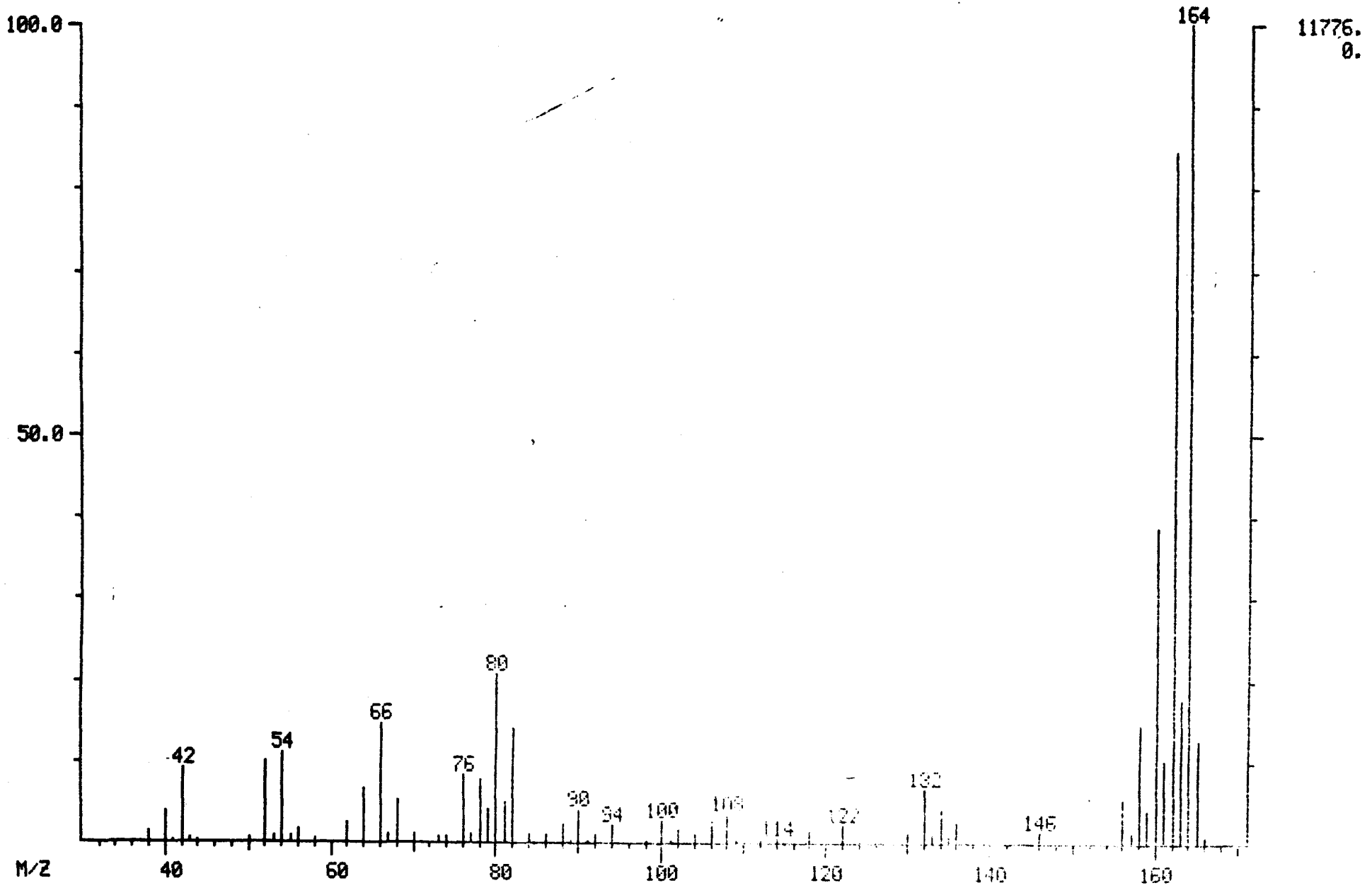


9 2 2 2 6 U U U U o /

MASS SPECTRUM
04/19/91 20:58:00 + 19:36
SAMPLE: 90901 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: APR19VG04 #1977
CALI: APR19VG04 #3

BASE M/Z: 164
RIC: 55936.

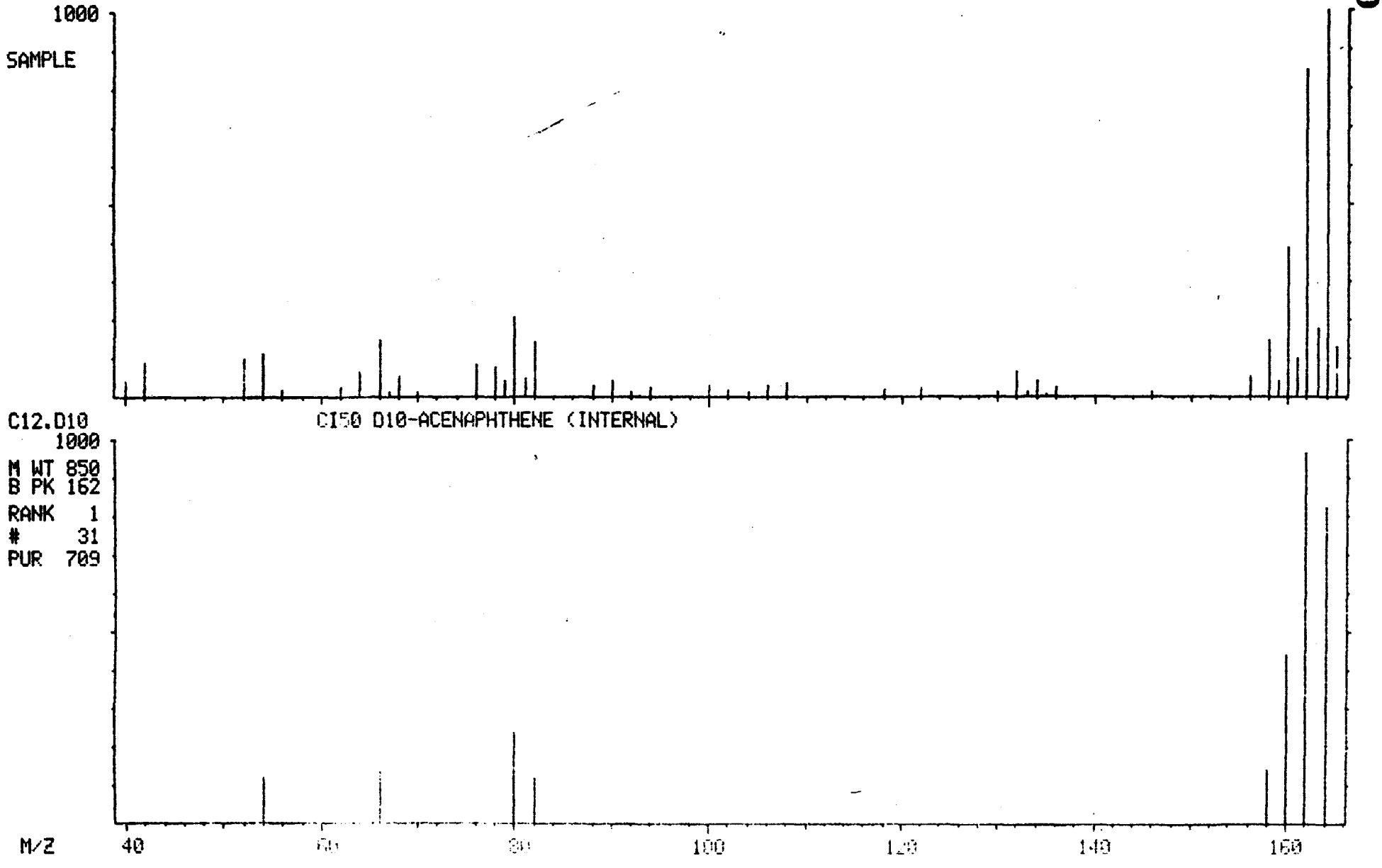


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 19:36
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1977
CALI: APR19VG04 # 3

BASE M/Z: 164
RIC: 54016.

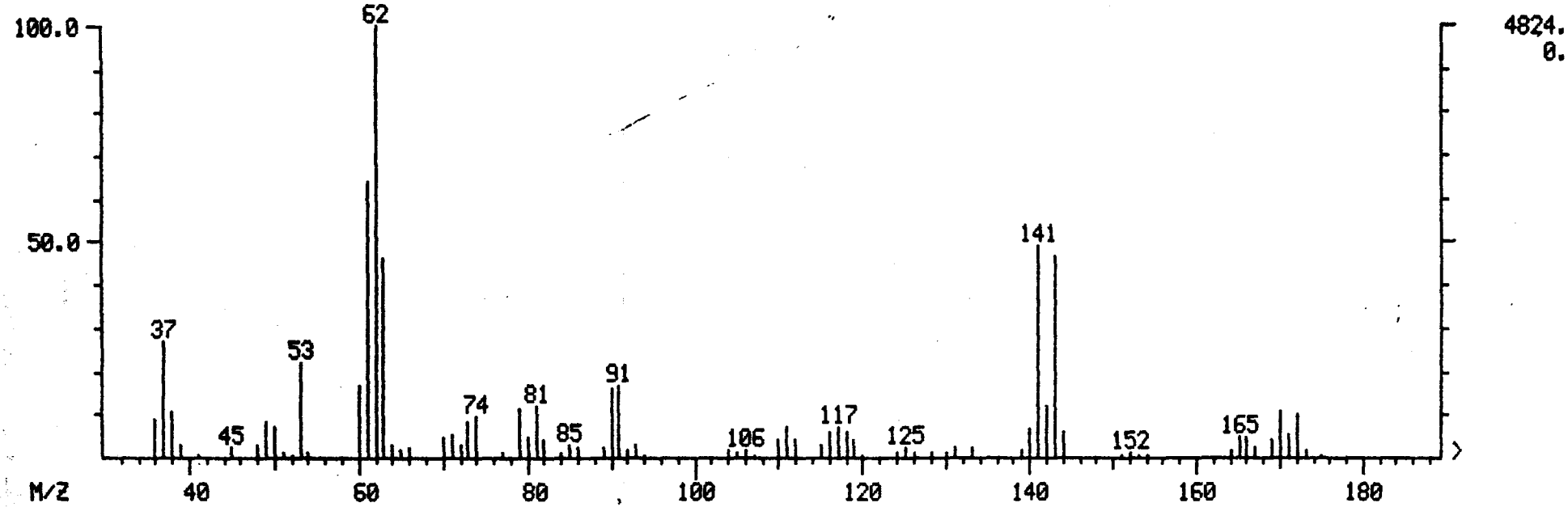
001204

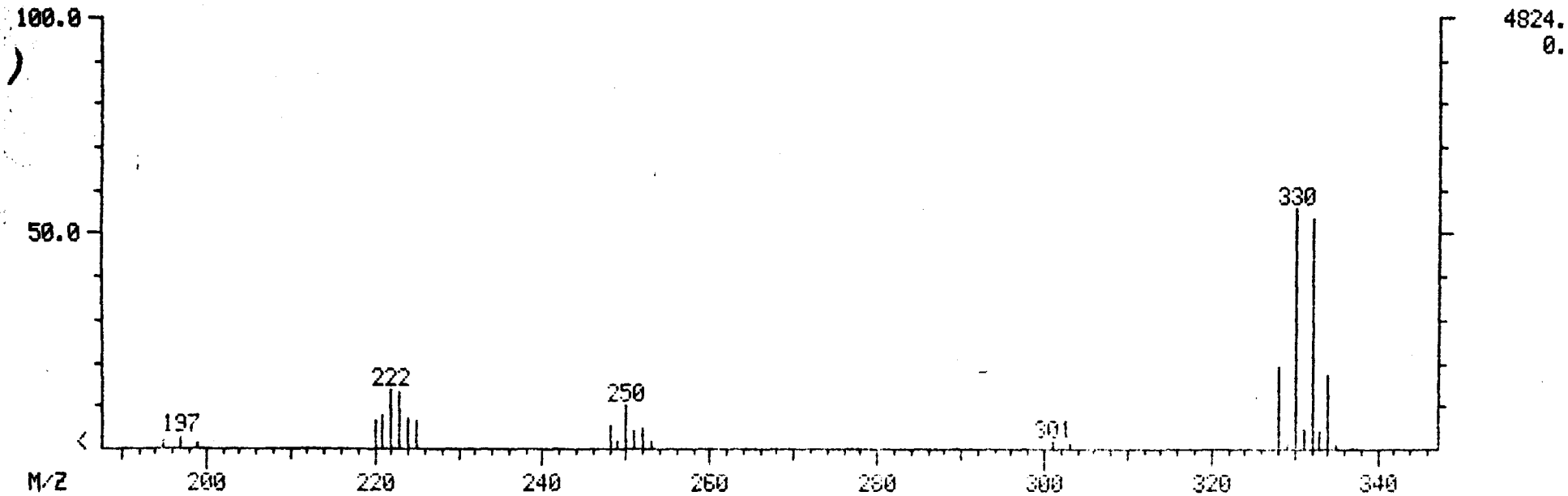


MASS SPECTRUM
04/19/91 20:58:00 + 21:39
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2184
CALI: APR19VG04 #3

BASE M/Z: 62
RIC: 44544.

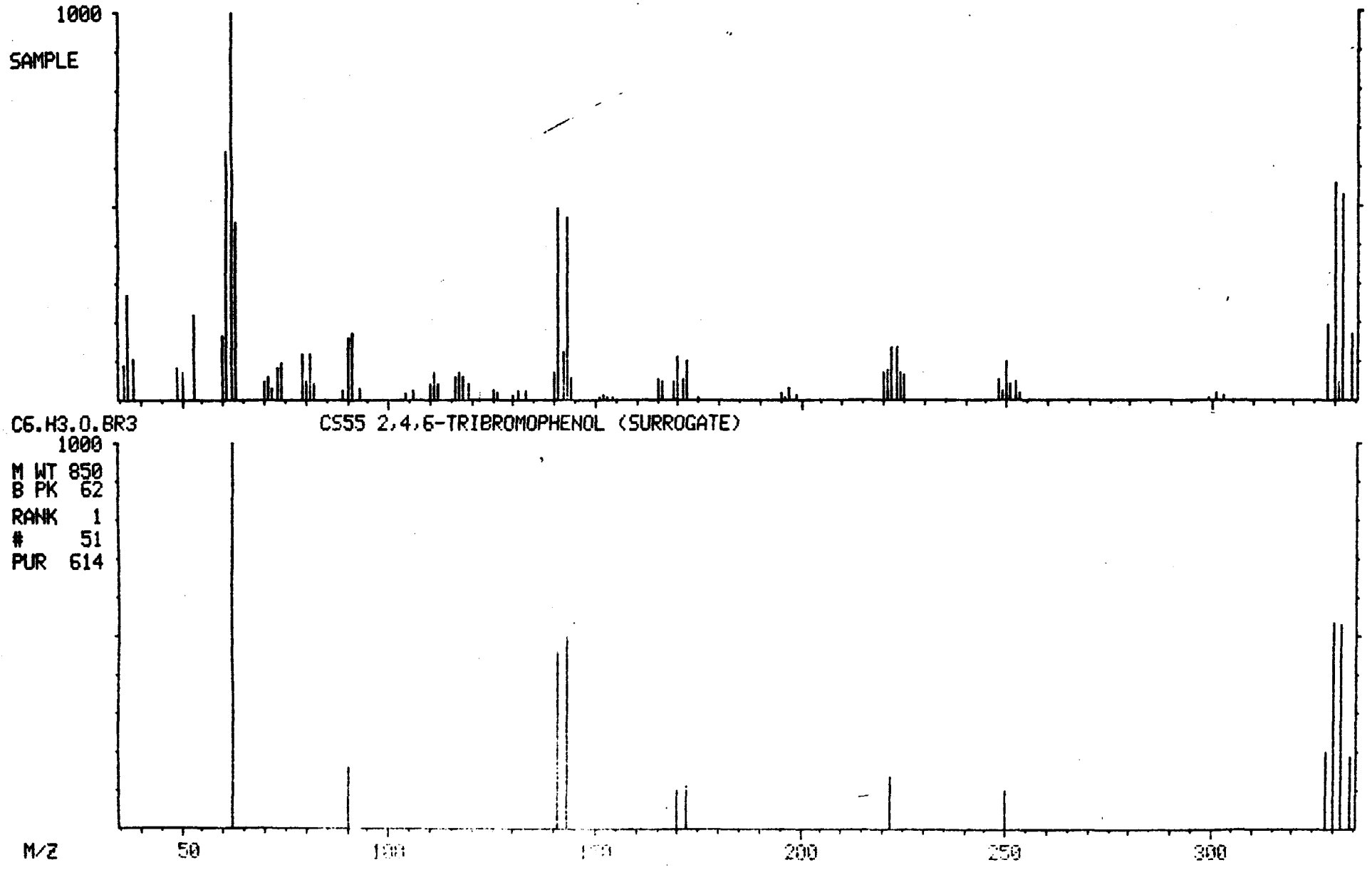




MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 21:39
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2184
CALI: APR19VG04 # 3

BASE M/Z: 62
RIC: 42112.



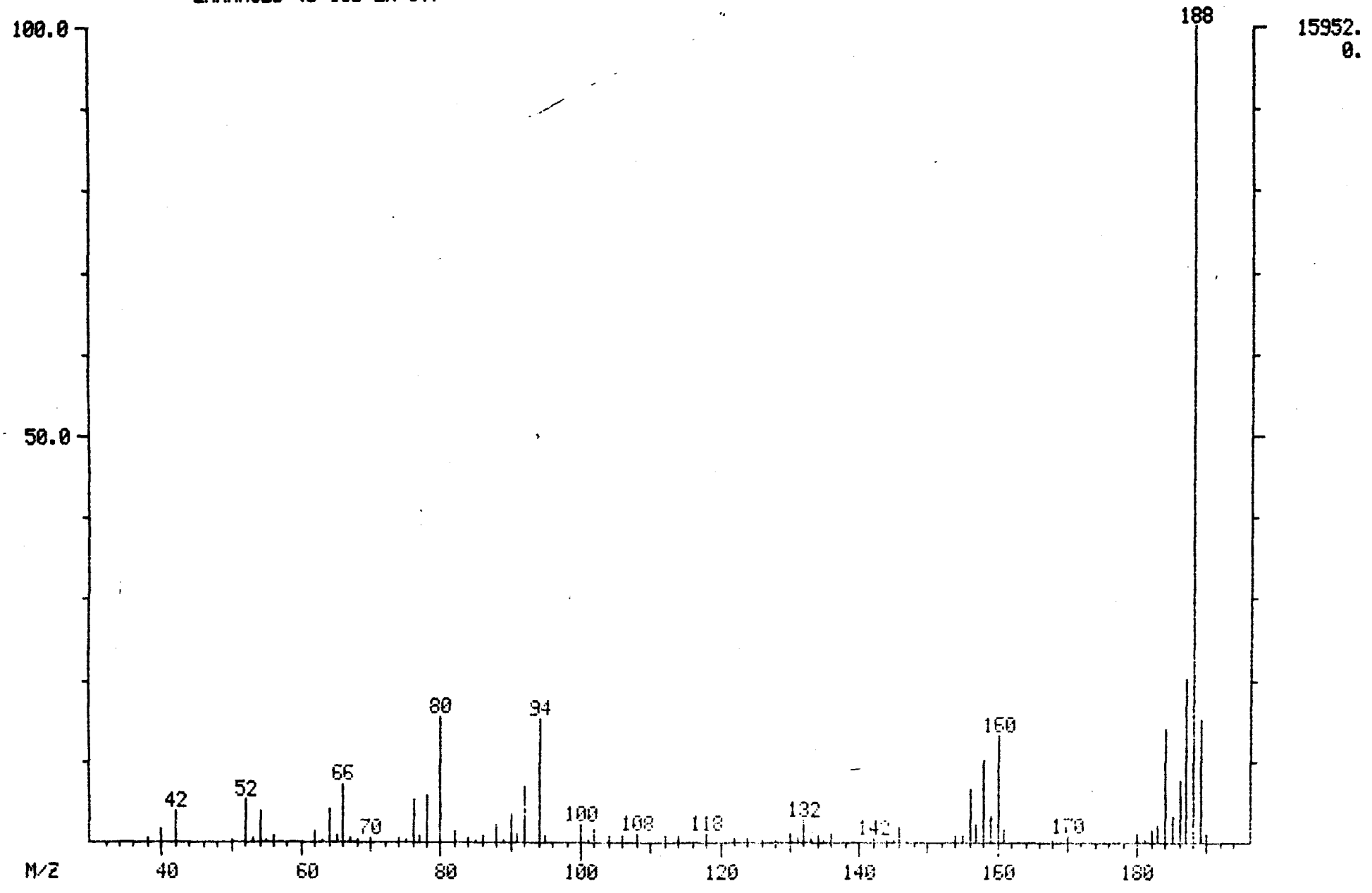
9 2 2 2 6 0 0 0 0 / 1

0042300

MASS SPECTRUM
04/19/91 20:58:00 + 23:25
SAMPLE: 90901 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: APR19VG04 #2363
CALI: APR19VG04 #3

BASE M/Z: 188
RIC: 51584.

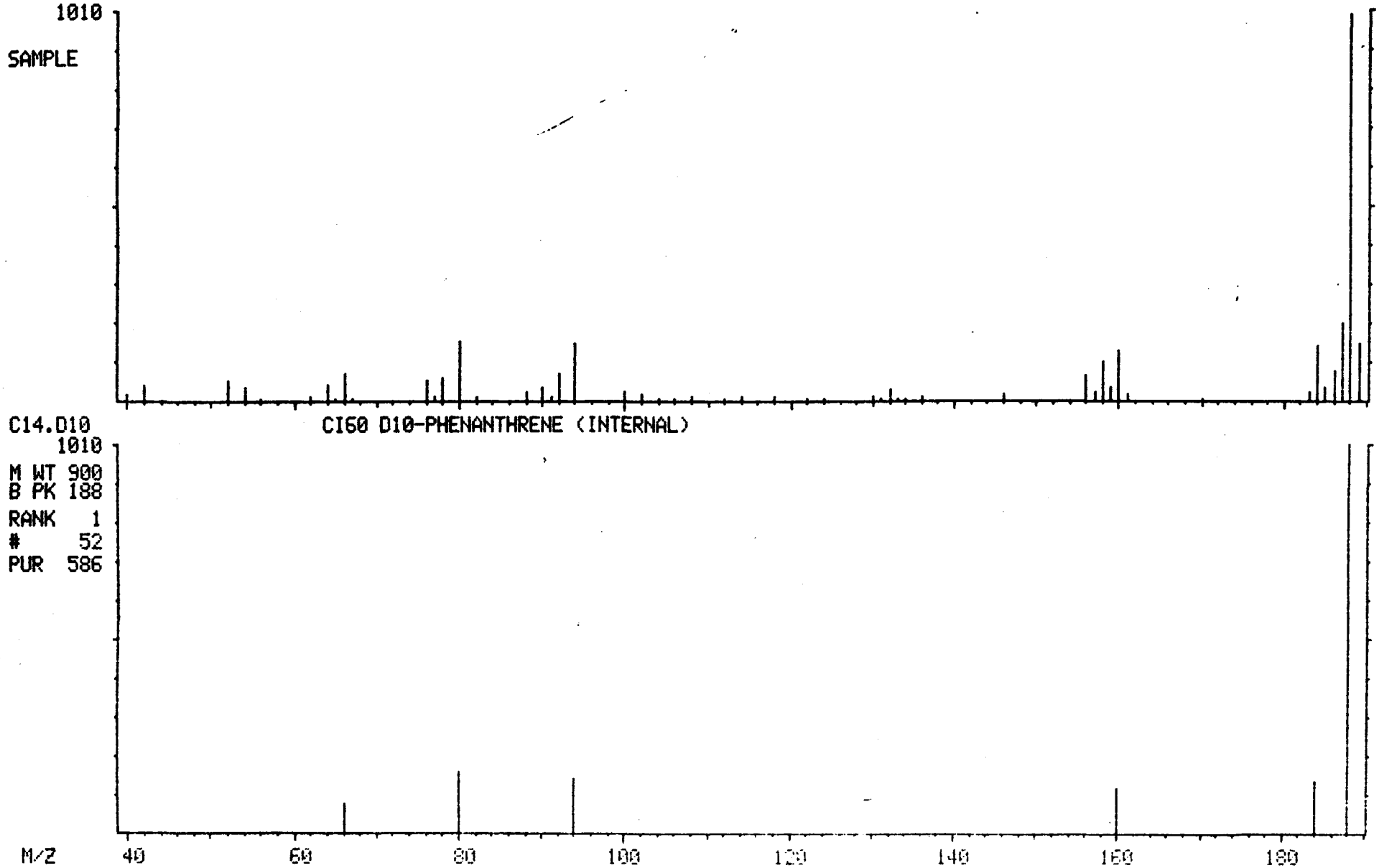


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 23:25
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2363
CALI: APR19VG04 # 3

BASE M/Z: 188
RIC: 49088.

001308

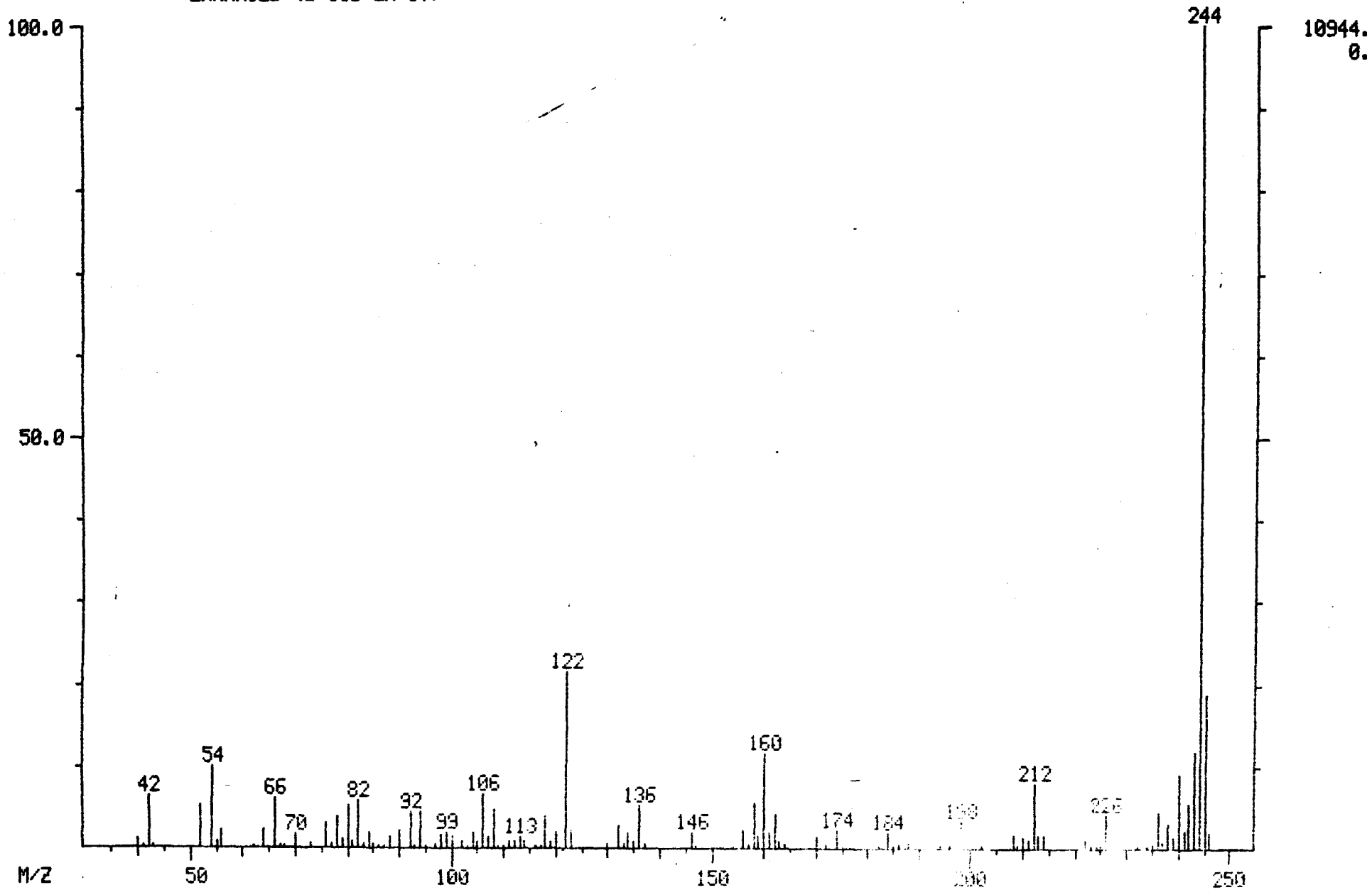


MASS SPECTRUM
04/19/91 20:58:00 + 27:37
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2786
CALI: APR19VG04 #3

BASE M/Z: 244
RIC: 41088.

001369

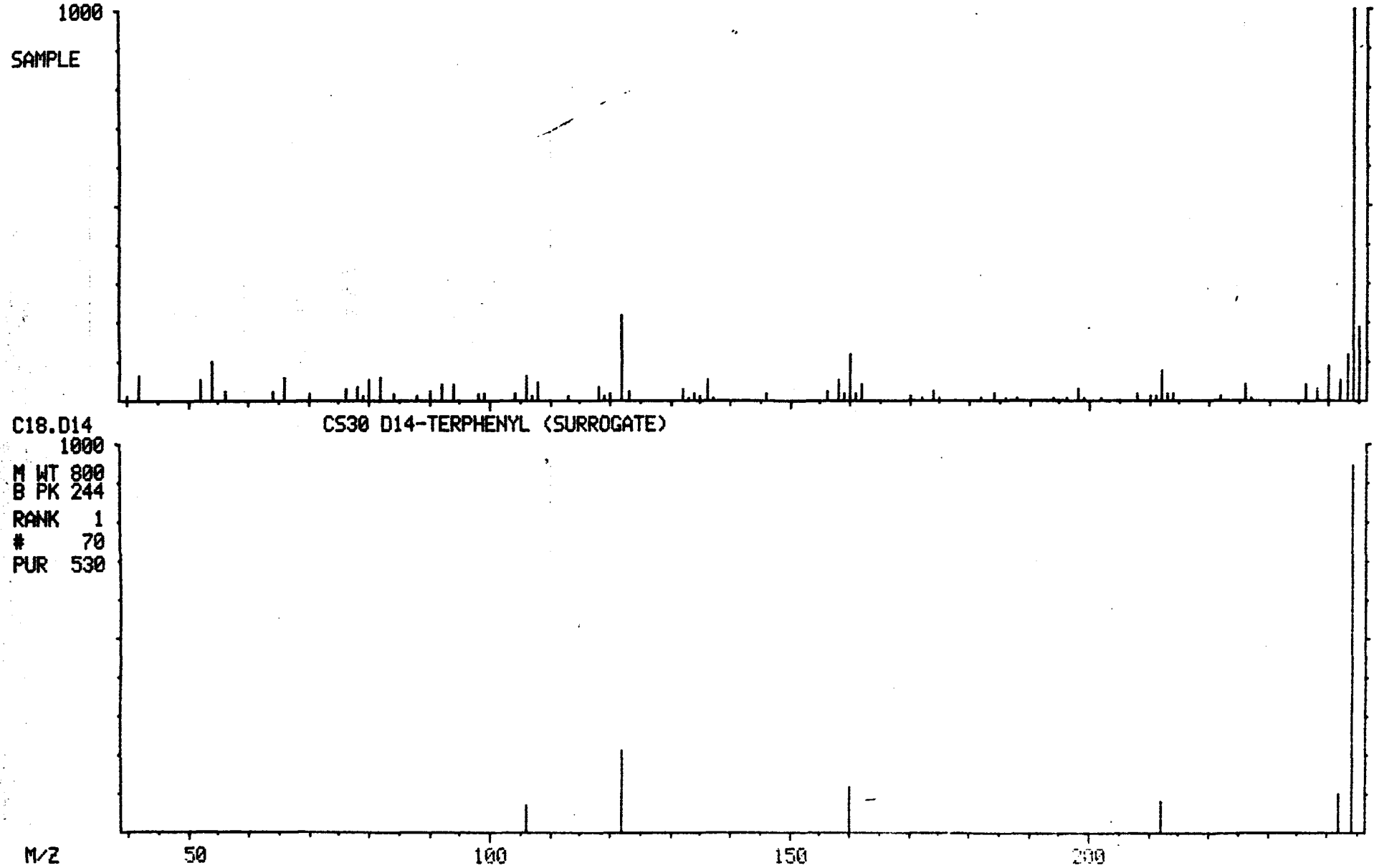


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 27:37
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2786
CALI: APR19VG04 # 3

BASE M/Z: 244
RIC: 38080.

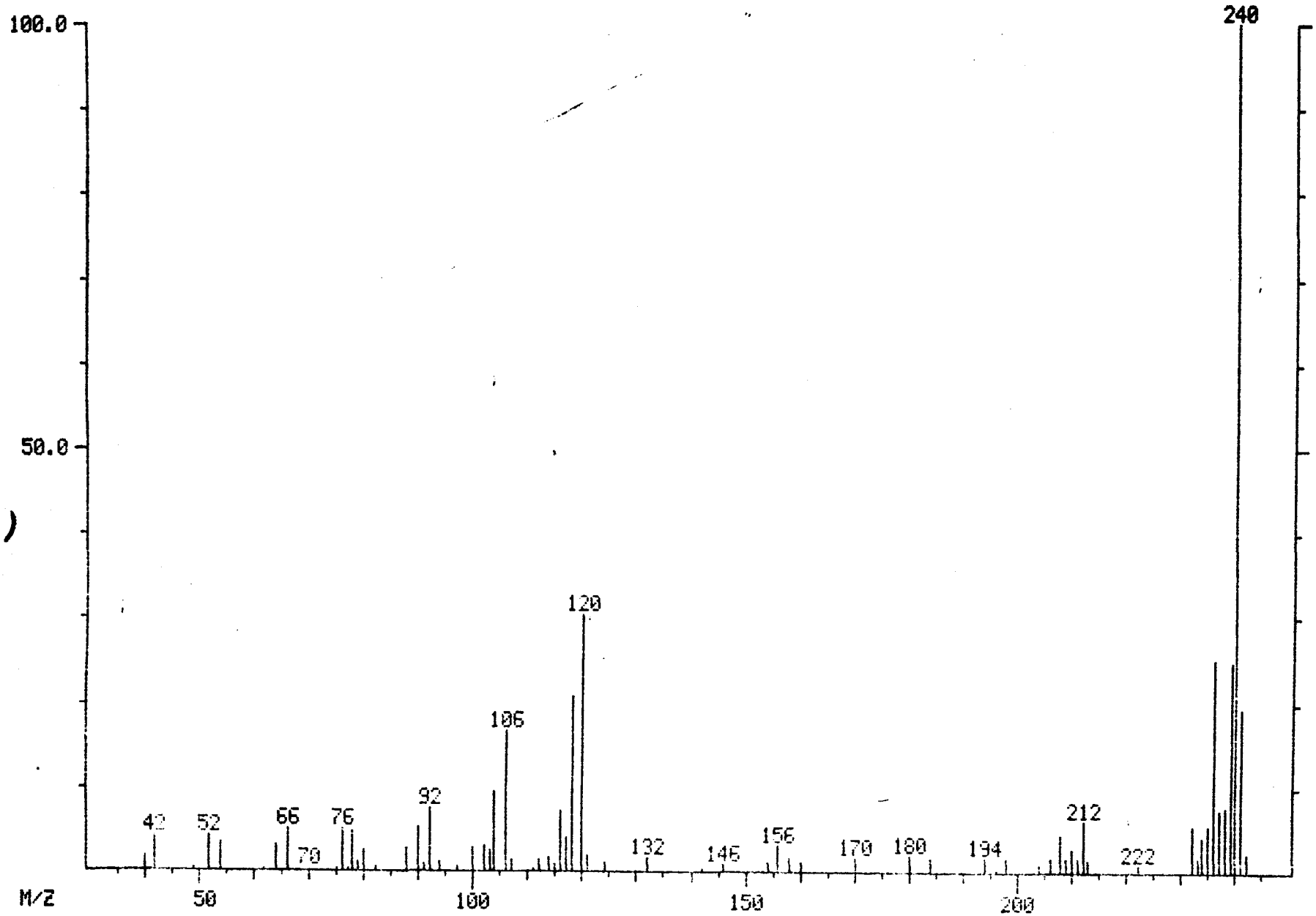
001310



MASS SPECTRUM
04/19/91 20:58:00 + 31:12
SAMPLE: 90901 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: APR19VG04 #3148
CALI: APR19VG04 #3

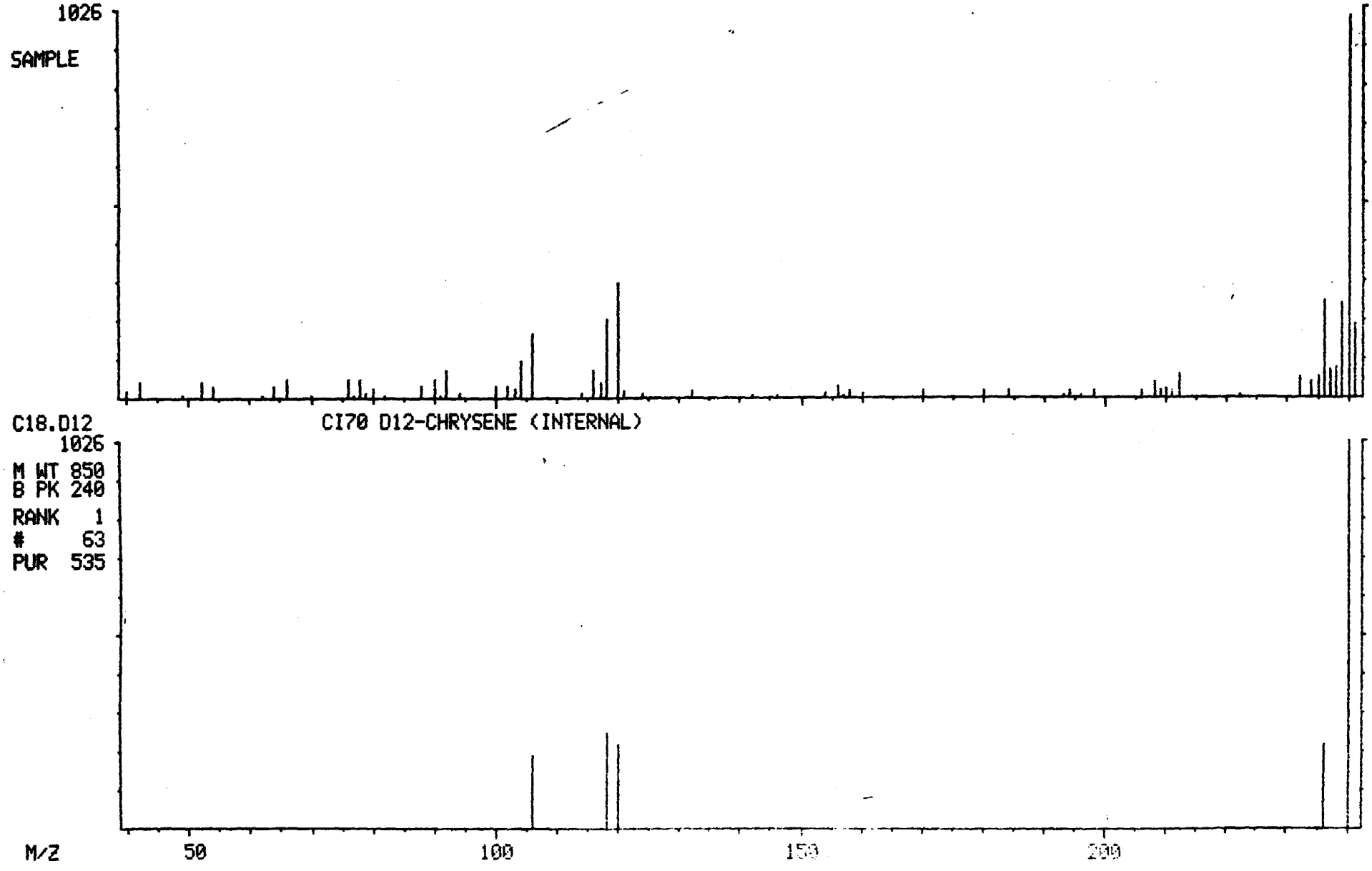
BASE M/Z: 240
RIC: 16080.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 31:12
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #3148
CALI: APR19VG04 # 3

BASE M/Z: 240
RIC: 15632.

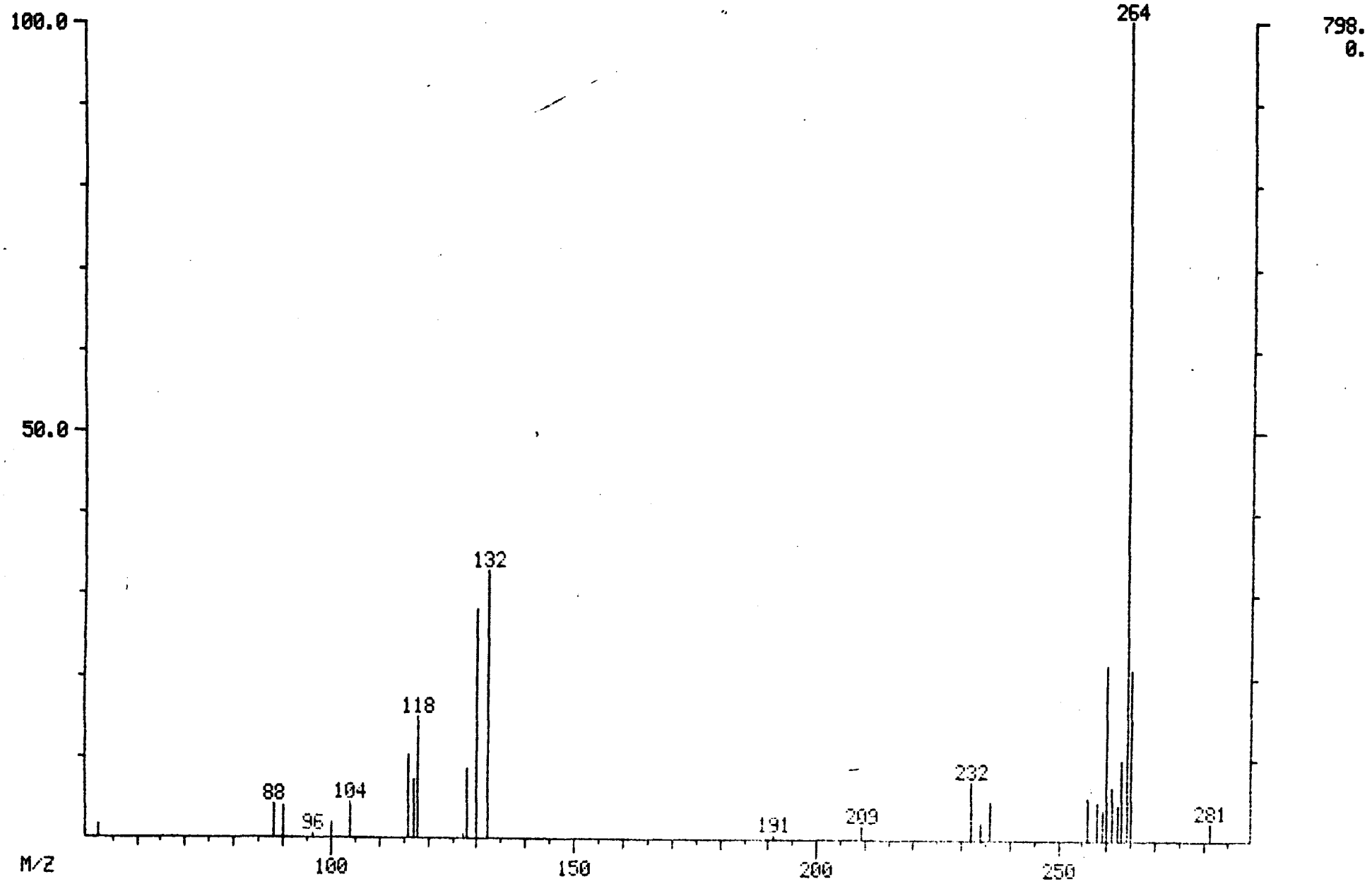


MASS SPECTRUM
04/19/91 20:58:00 + 40:22
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #4072
CALI: APR19VG04 #3

BASE M/Z: 264
RIC: 2524.

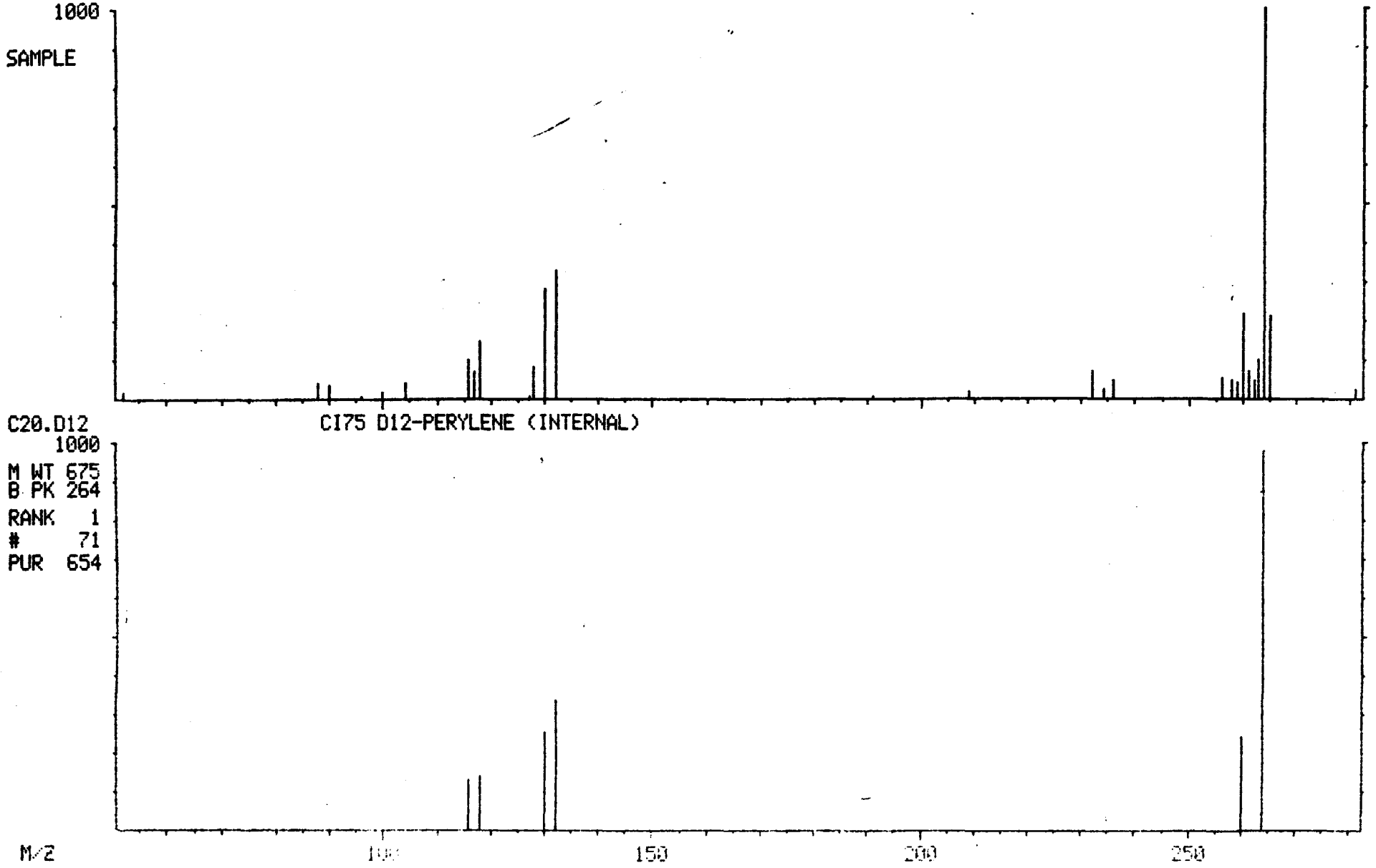
001313



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 20:58:00 + 40:22
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #4072
CALI: APR19VG04 # 3

BASE M/Z: 264
RIC: 2524.

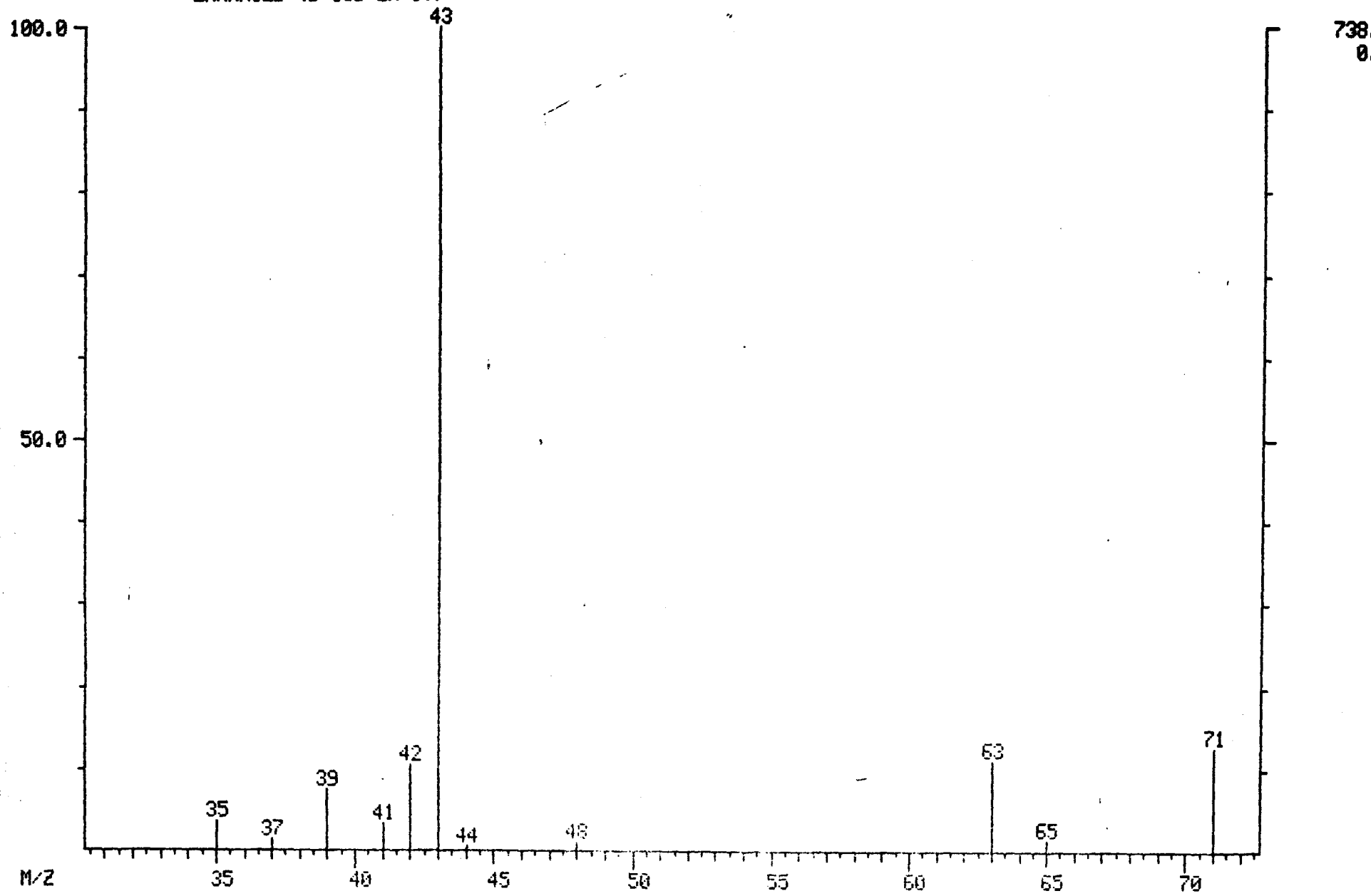


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/19/91 20:58:00 + 7:33
SAMPLE: 90901 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: APR19VG04 #762
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 1132.



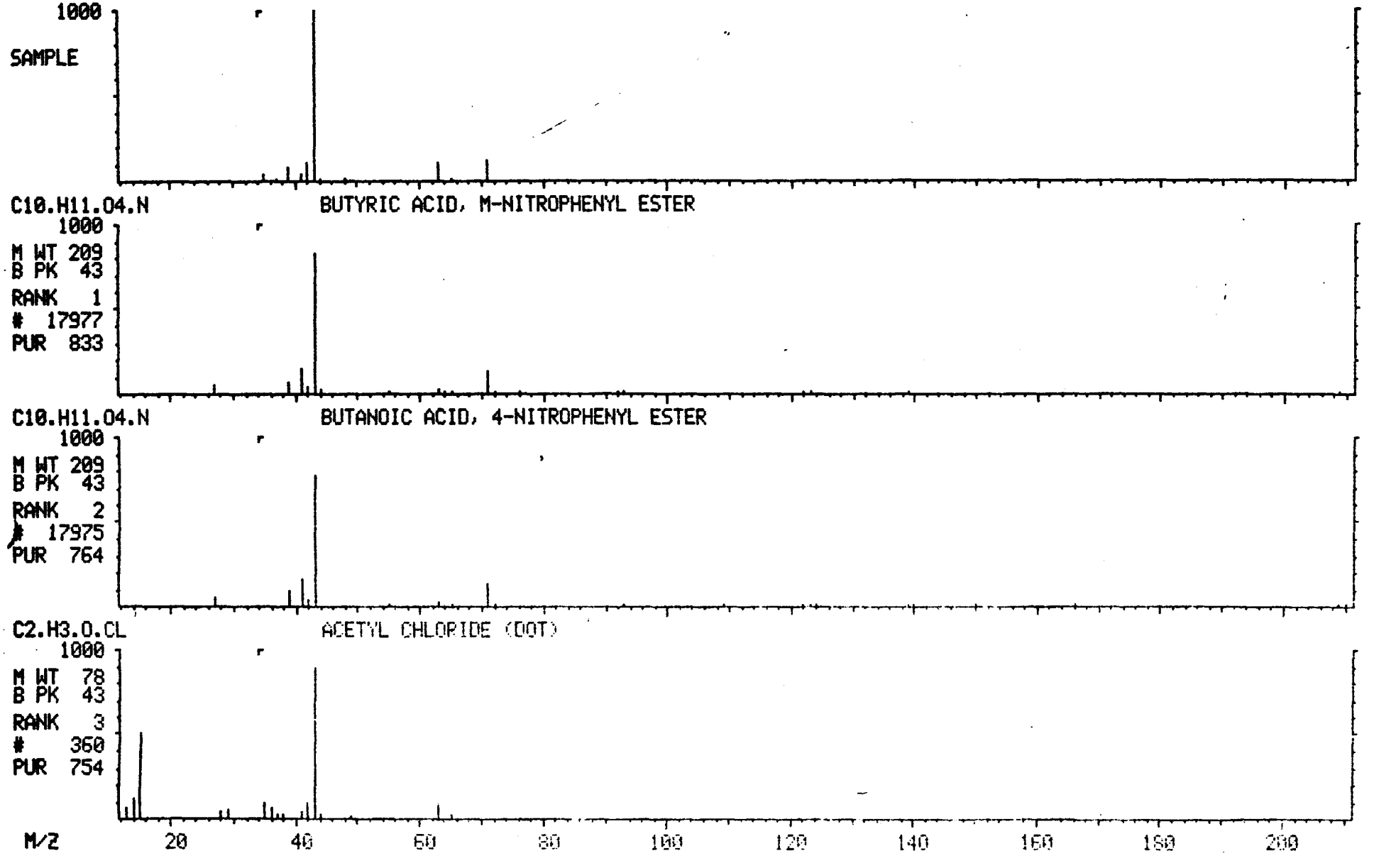
001219

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 7:33
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 762
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 1132.

001317

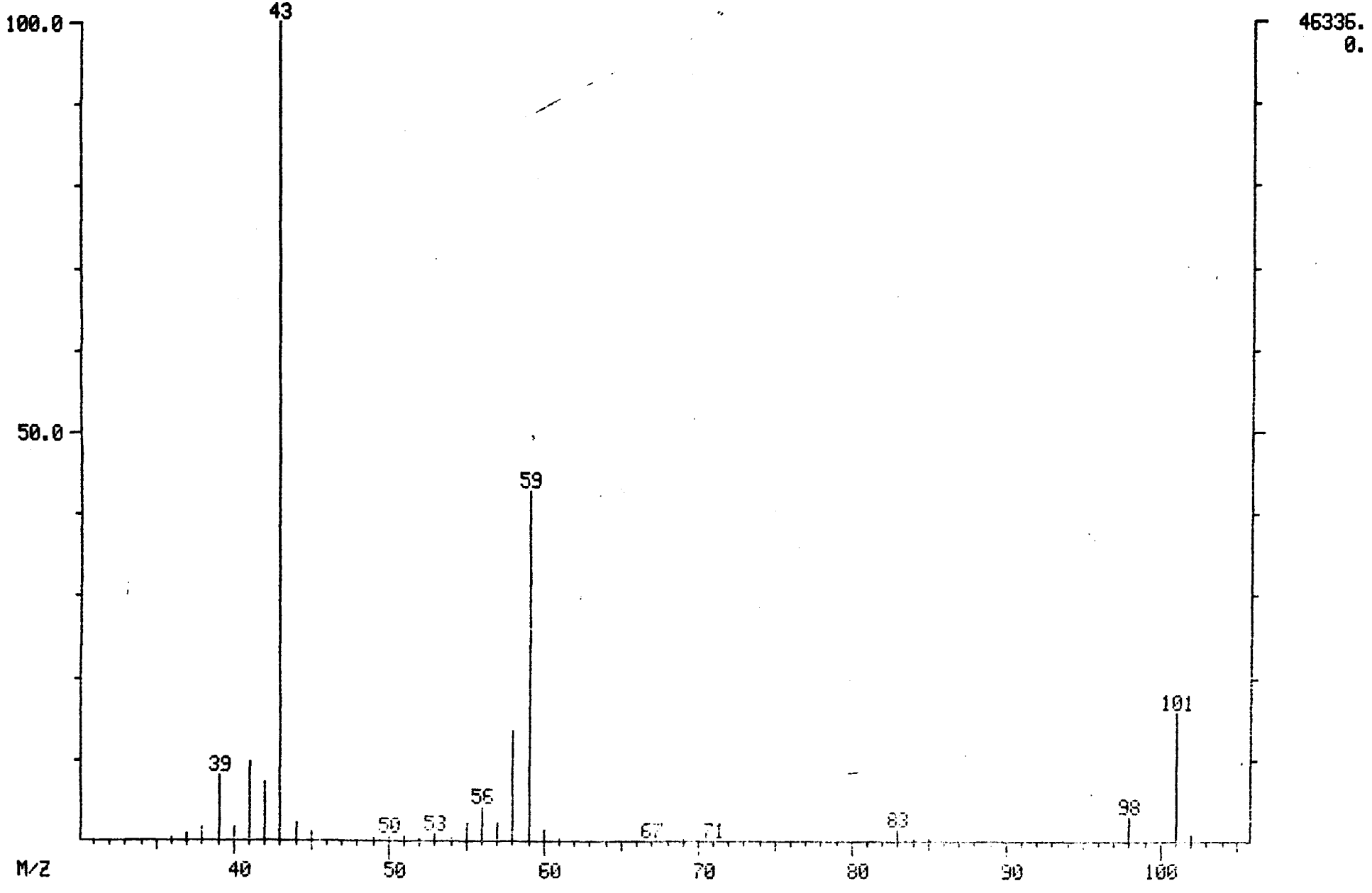


MASS SPECTRUM
04/19/91 20:58:00 + 8:08
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #820
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 103936.

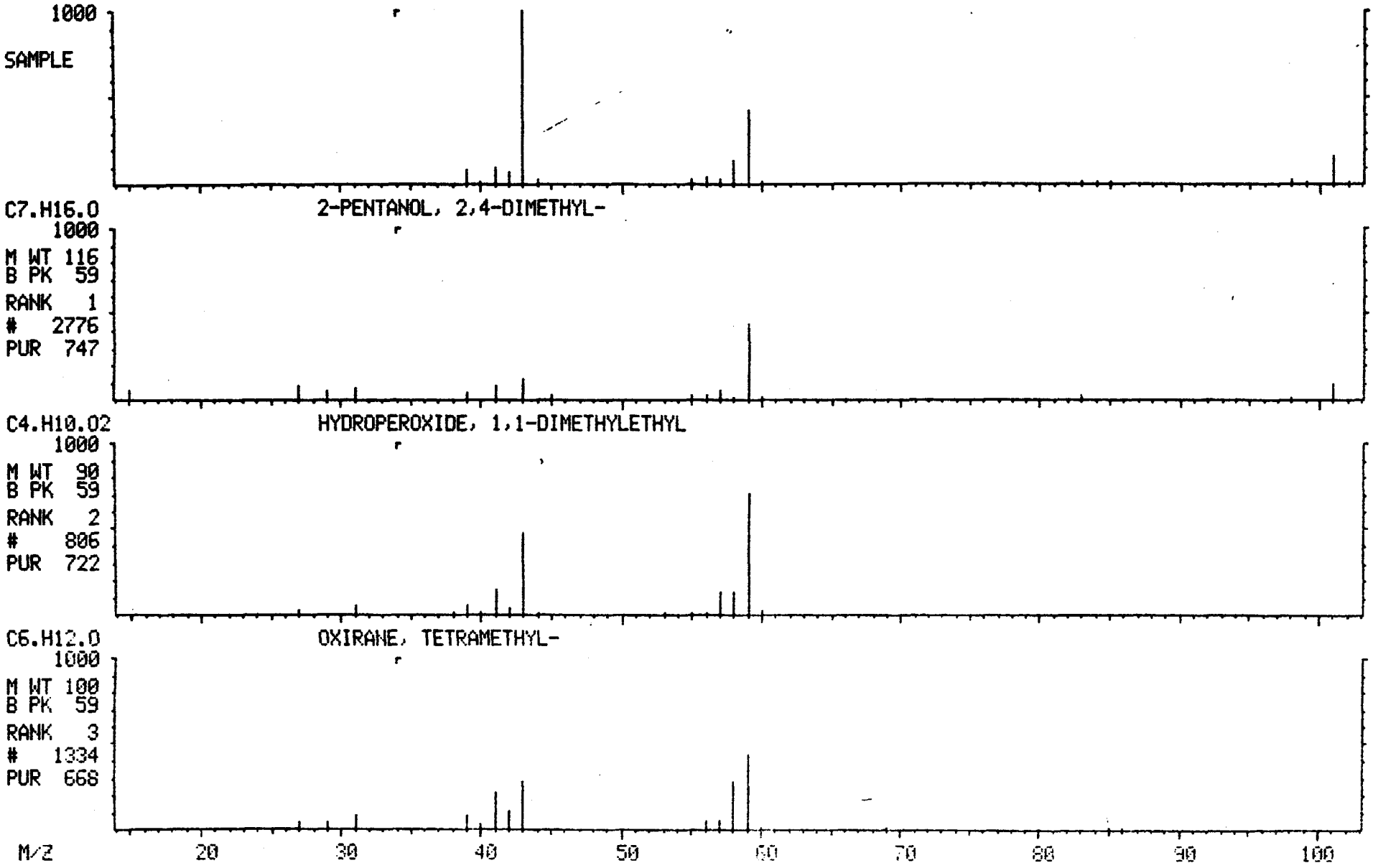
001318



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 8:08
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 820
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 100608.

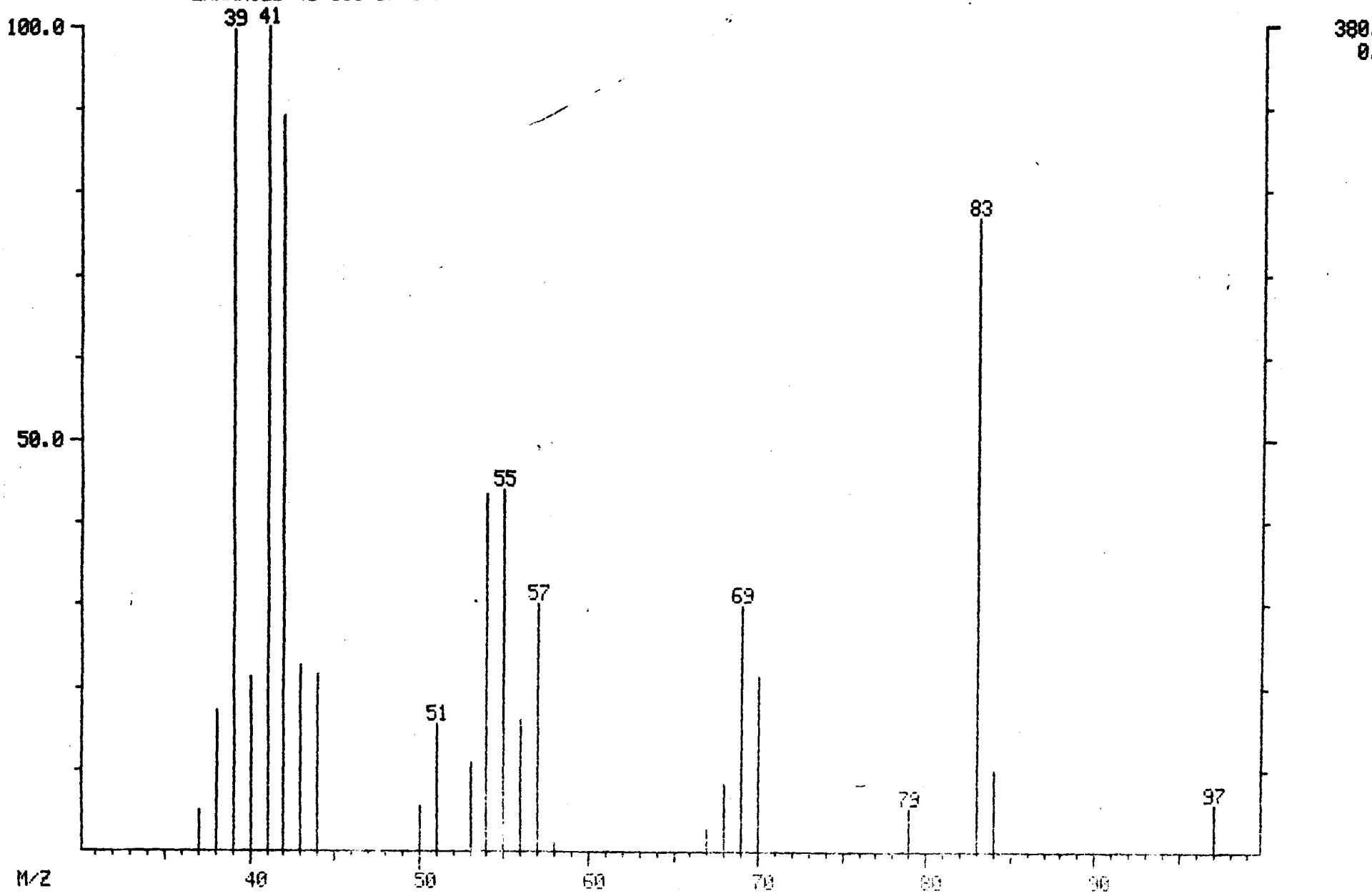


MASS SPECTRUM
04/19/91 20:58:00 + 8:33
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #863
CALI: APR19VG04 #3

BASE M/Z: 41
RIC: 2684.

00132

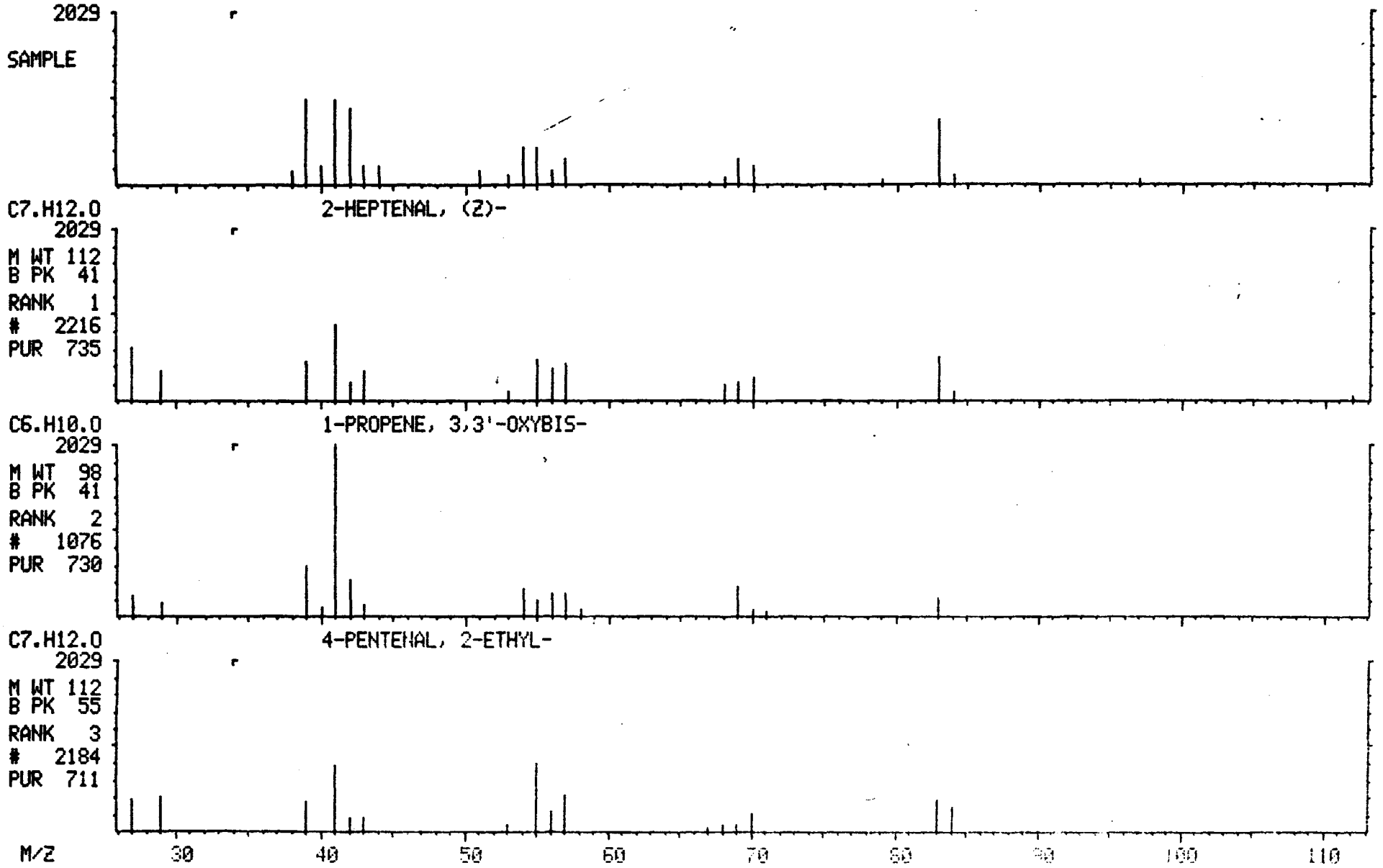


001321

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 8:33
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 863
CALI: APR19VG04 # 3

BASE M/Z: 41
RIC: 2632.

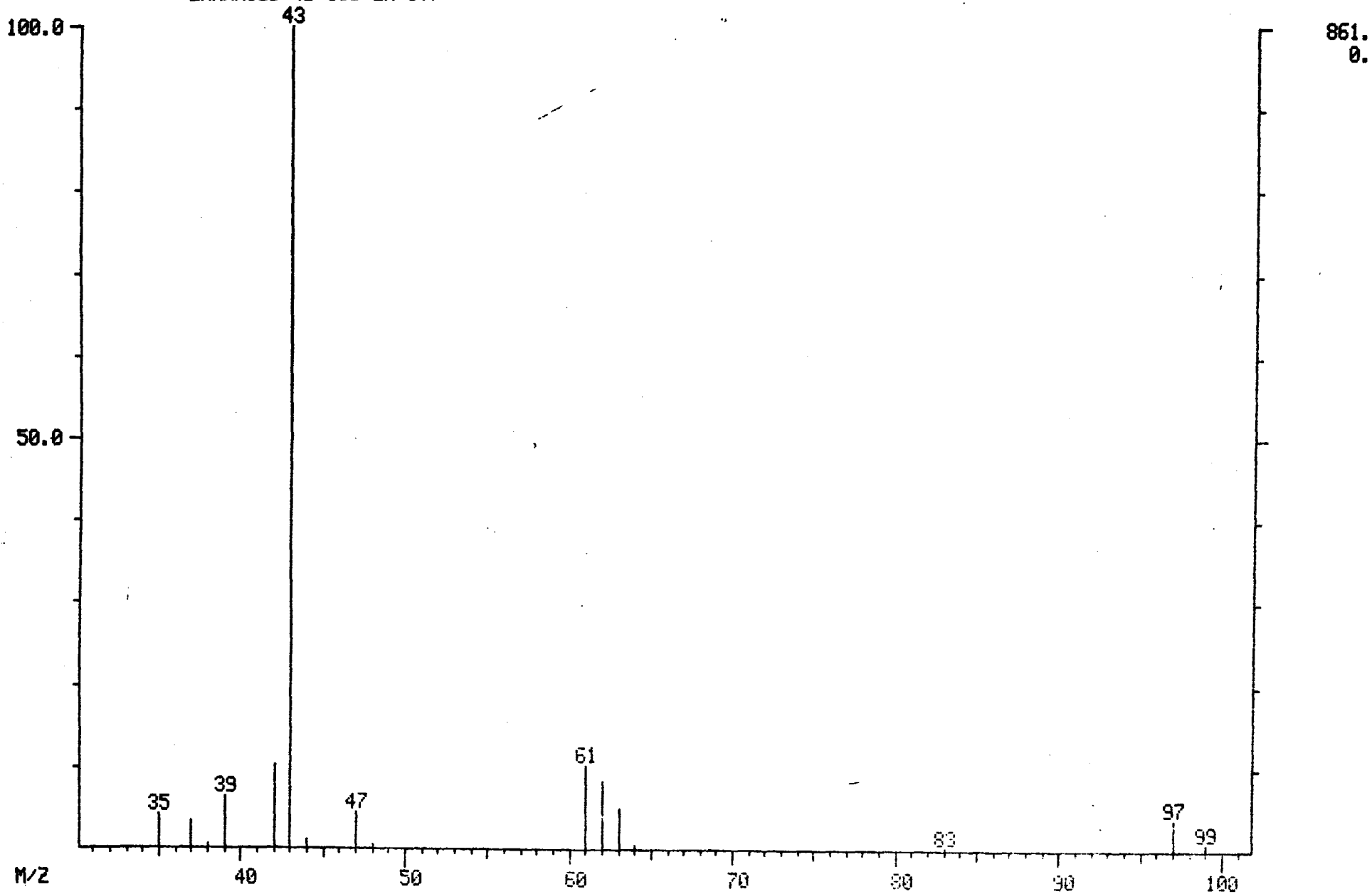


MASS SPECTRUM
04/19/91 20:58:00 + 9:42
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 97 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #978
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 1382.

001322

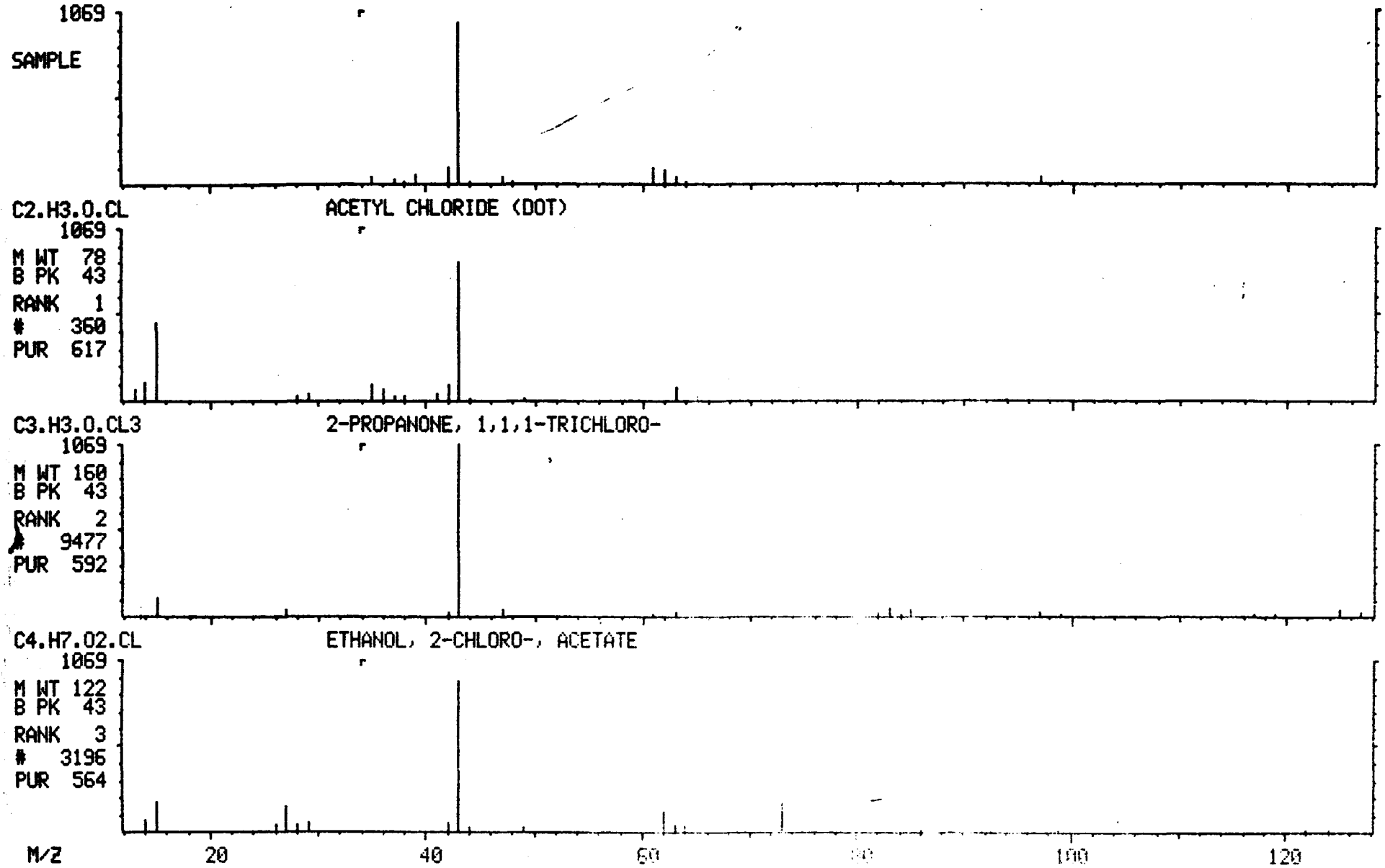


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 9:42
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 978
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 1380.

001323

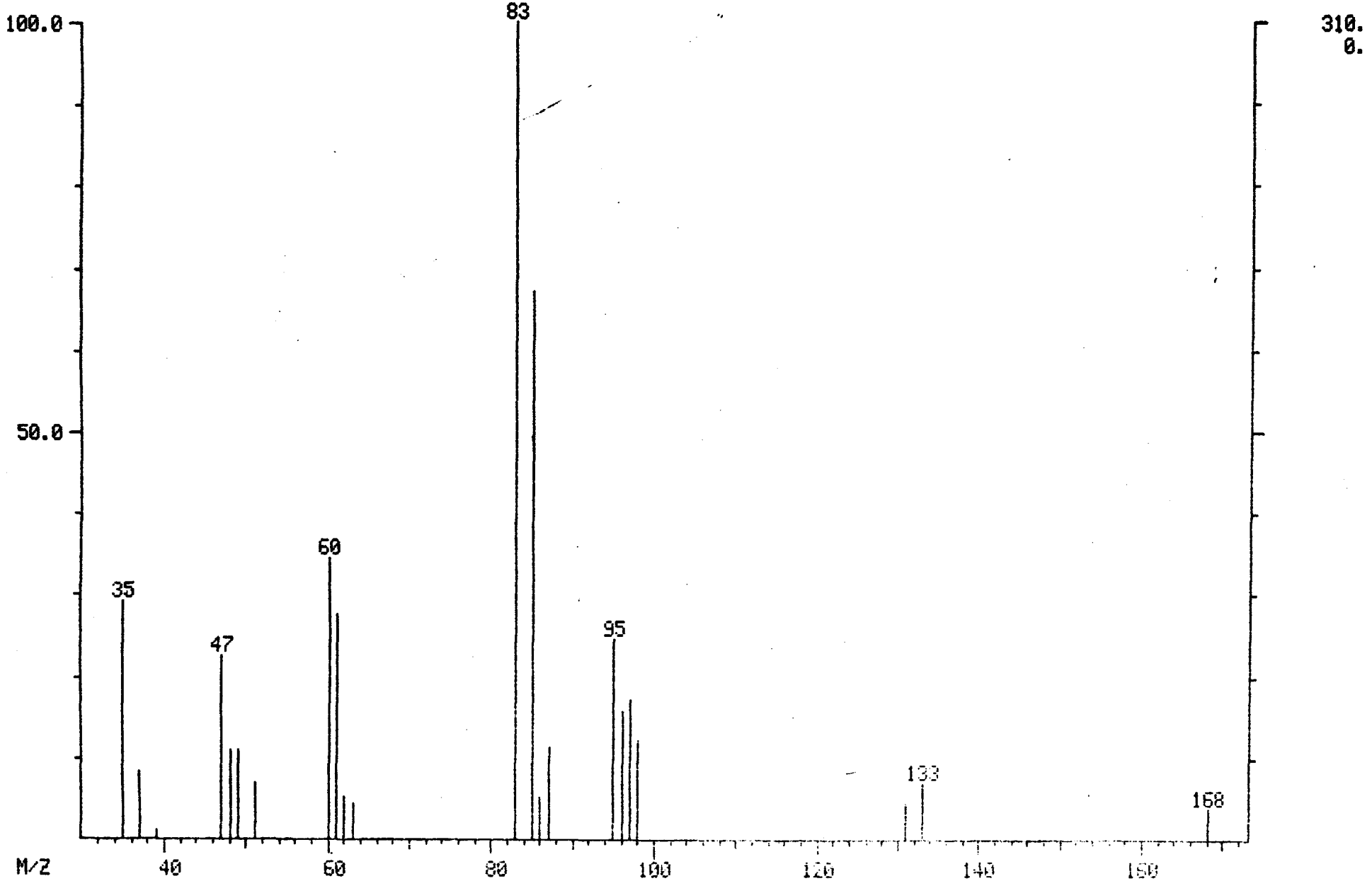


MASS SPECTRUM
04/19/91 20:58:00 + 9:46
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #986
CALI: APR19VG04 #3

BASE M/Z: 83
RIC: 1338.

001324

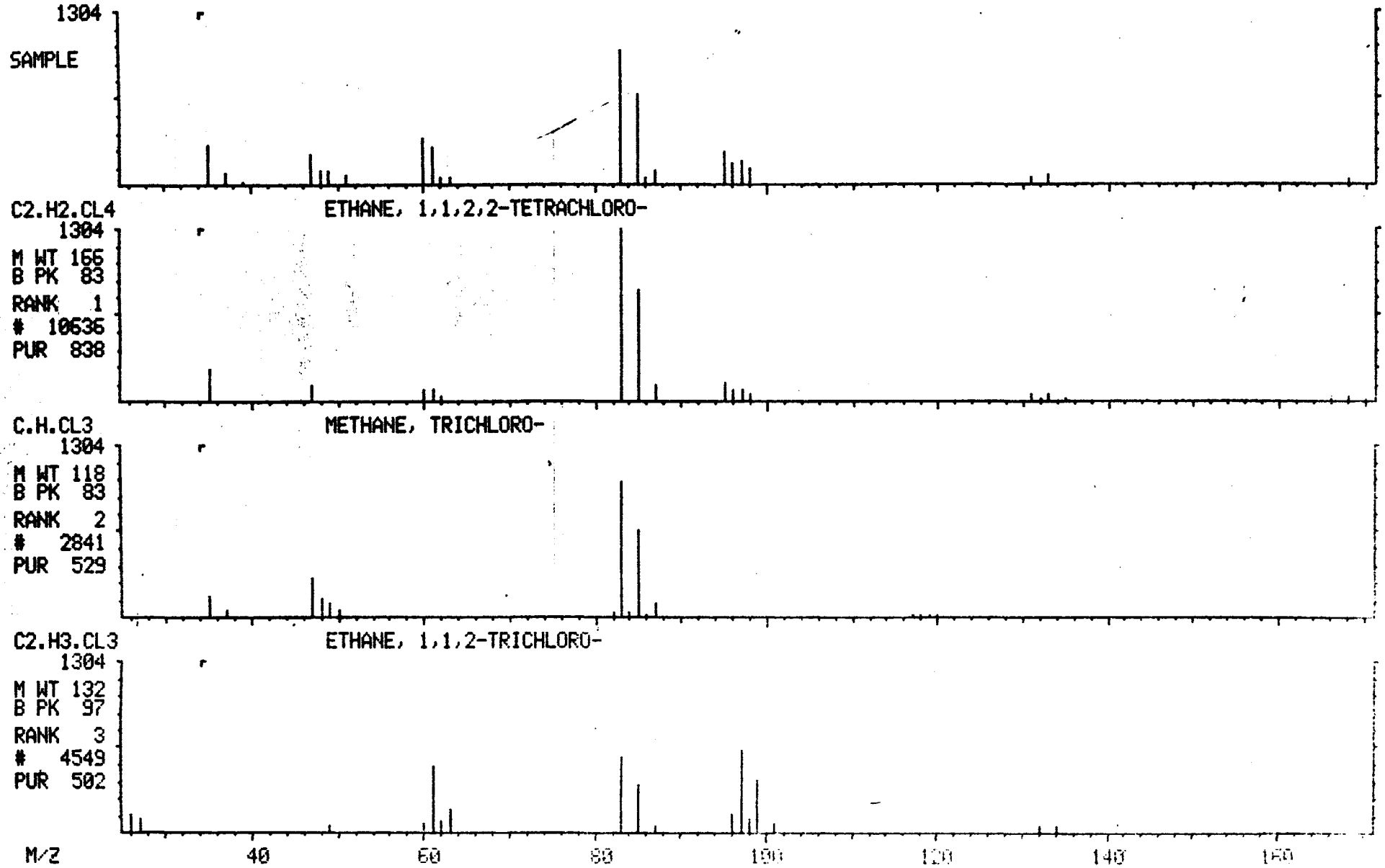


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 9:46
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 # 986
CALI: APR19VG04 # 3

BASE M/Z: 83
RIC: 1338.

001265

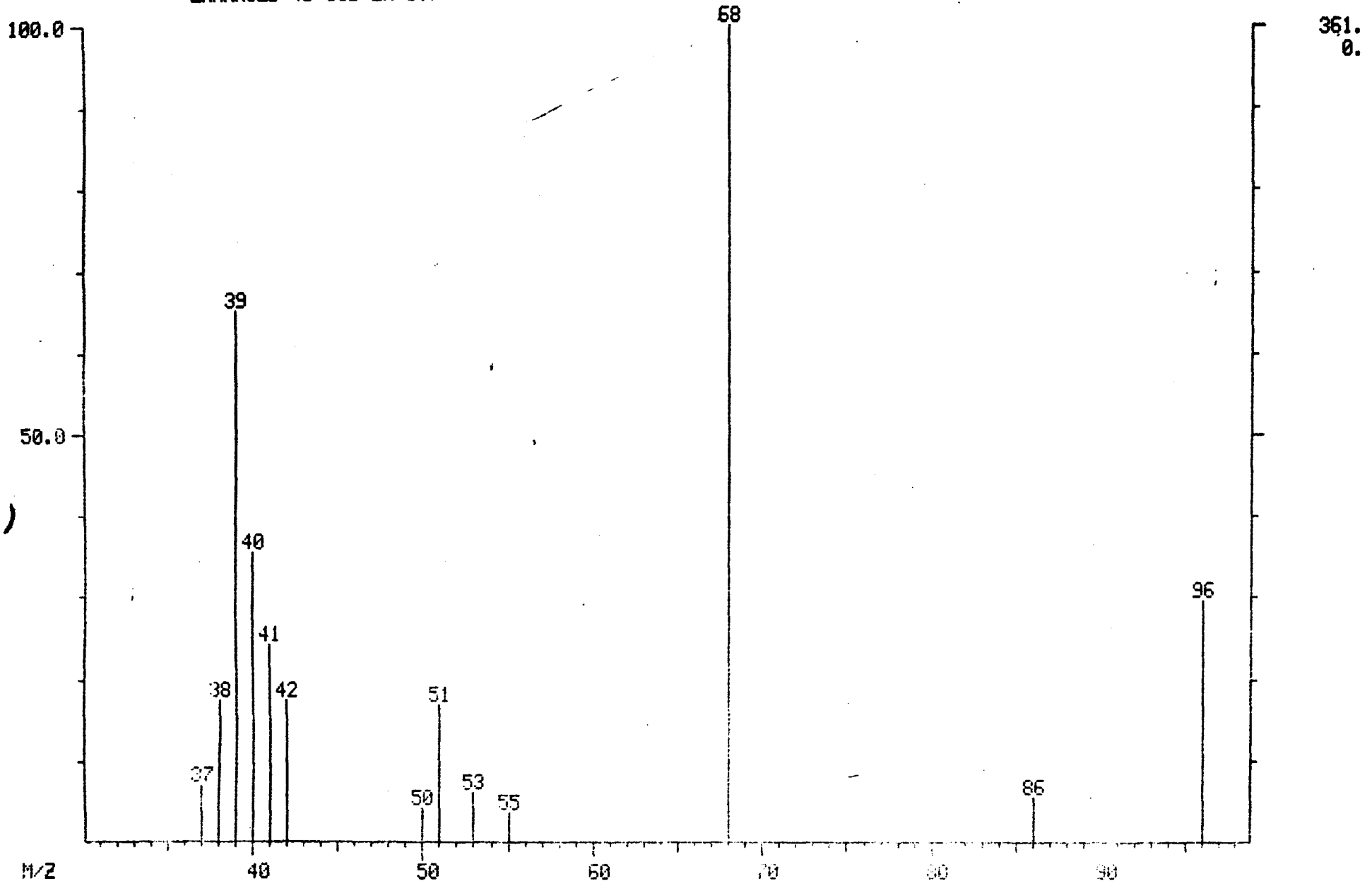


MASS SPECTRUM
04/19/91 20:58:00 + 10:11
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1028
CALI: APR19VG04 #3

BASE M/Z: 68
RIC: 1204.

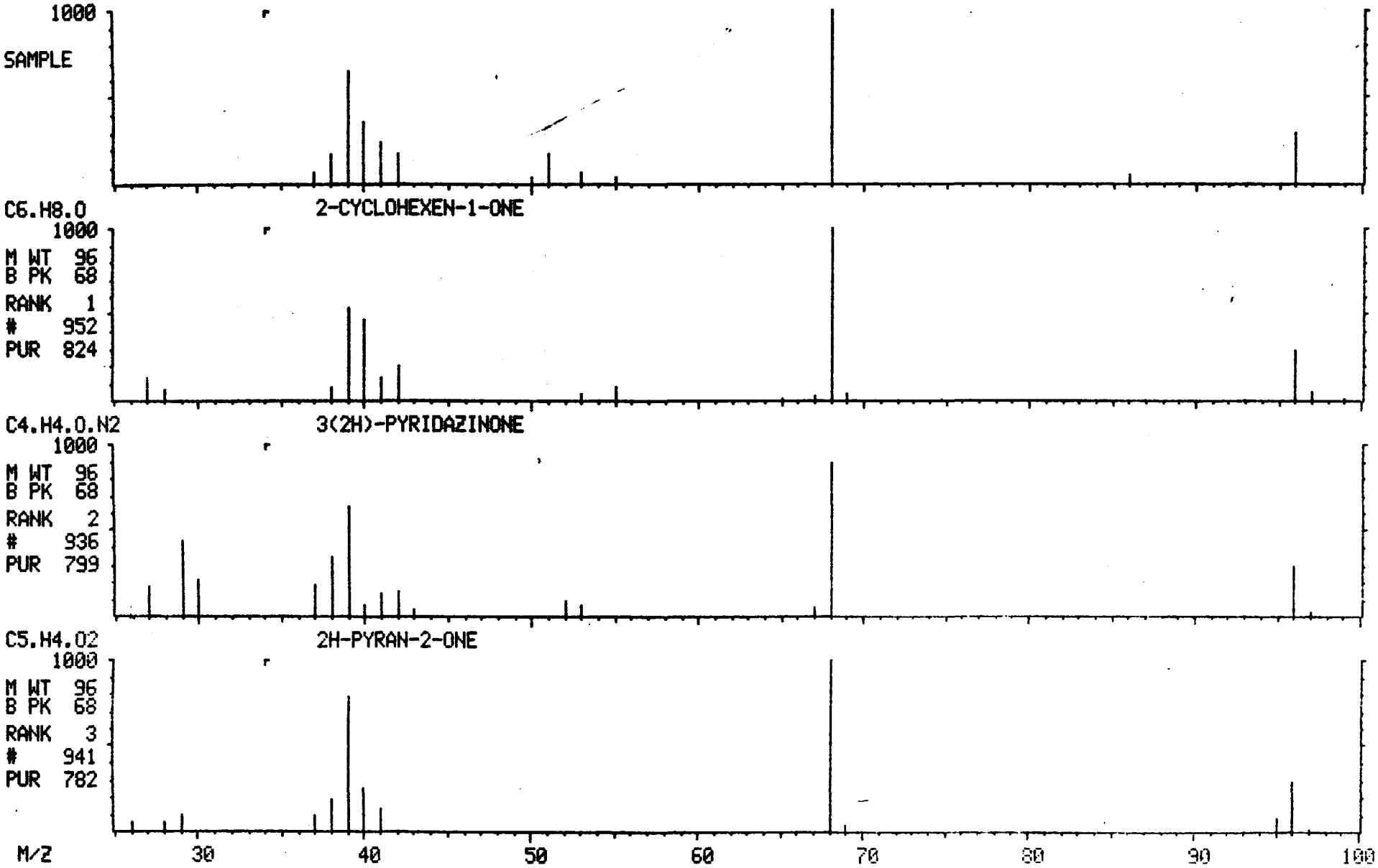
001326



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 10:11
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1028
CALI: APR19VG04 # 3

BASE M/Z: 68
RIC: 1204.

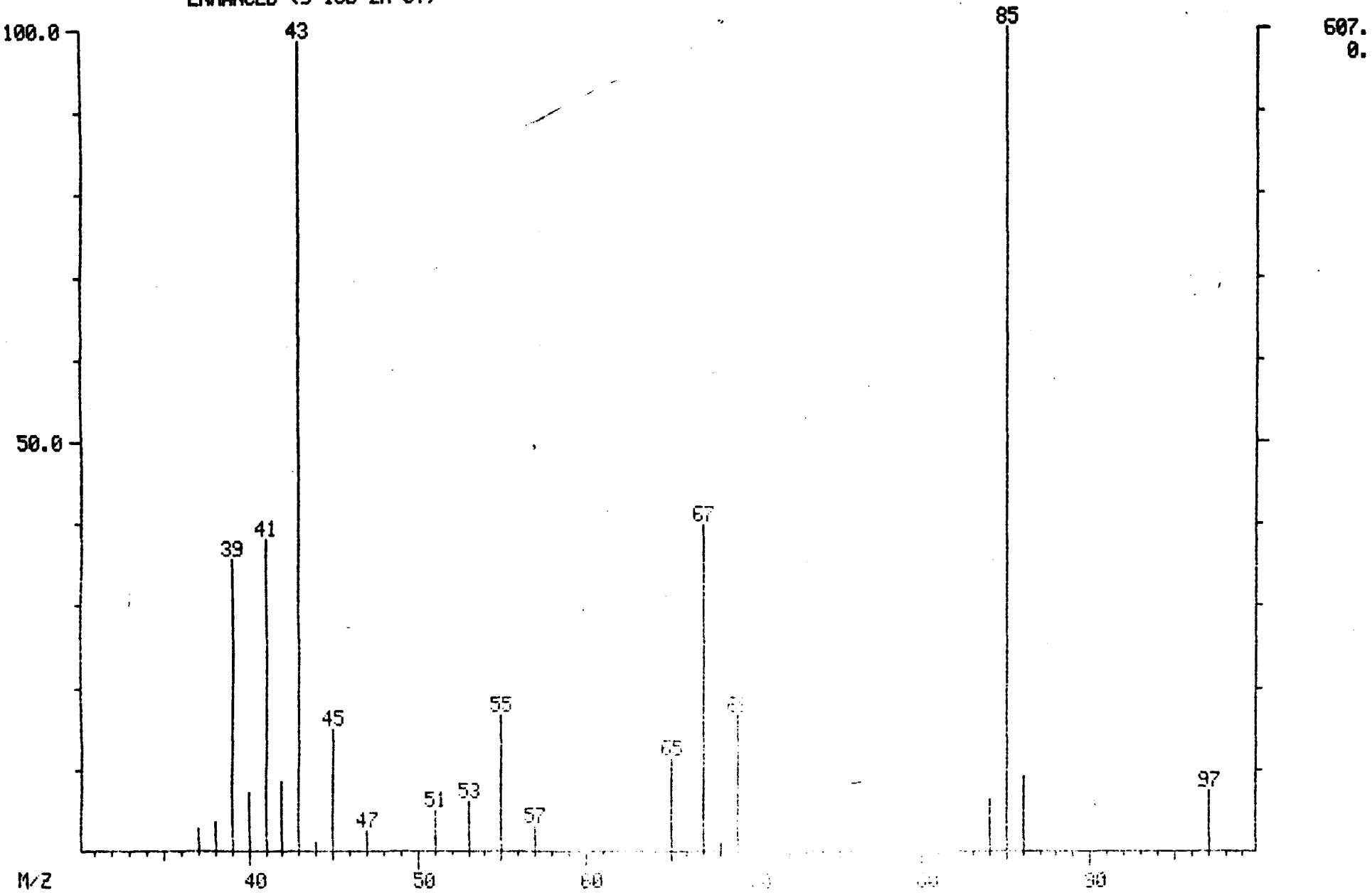


MASS SPECTRUM
04/19/91 20:58:00 + 10:26
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 105 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1053
CALI: APR19VG04 #3

BASE M/Z: 85
RIC: 2644.

001328

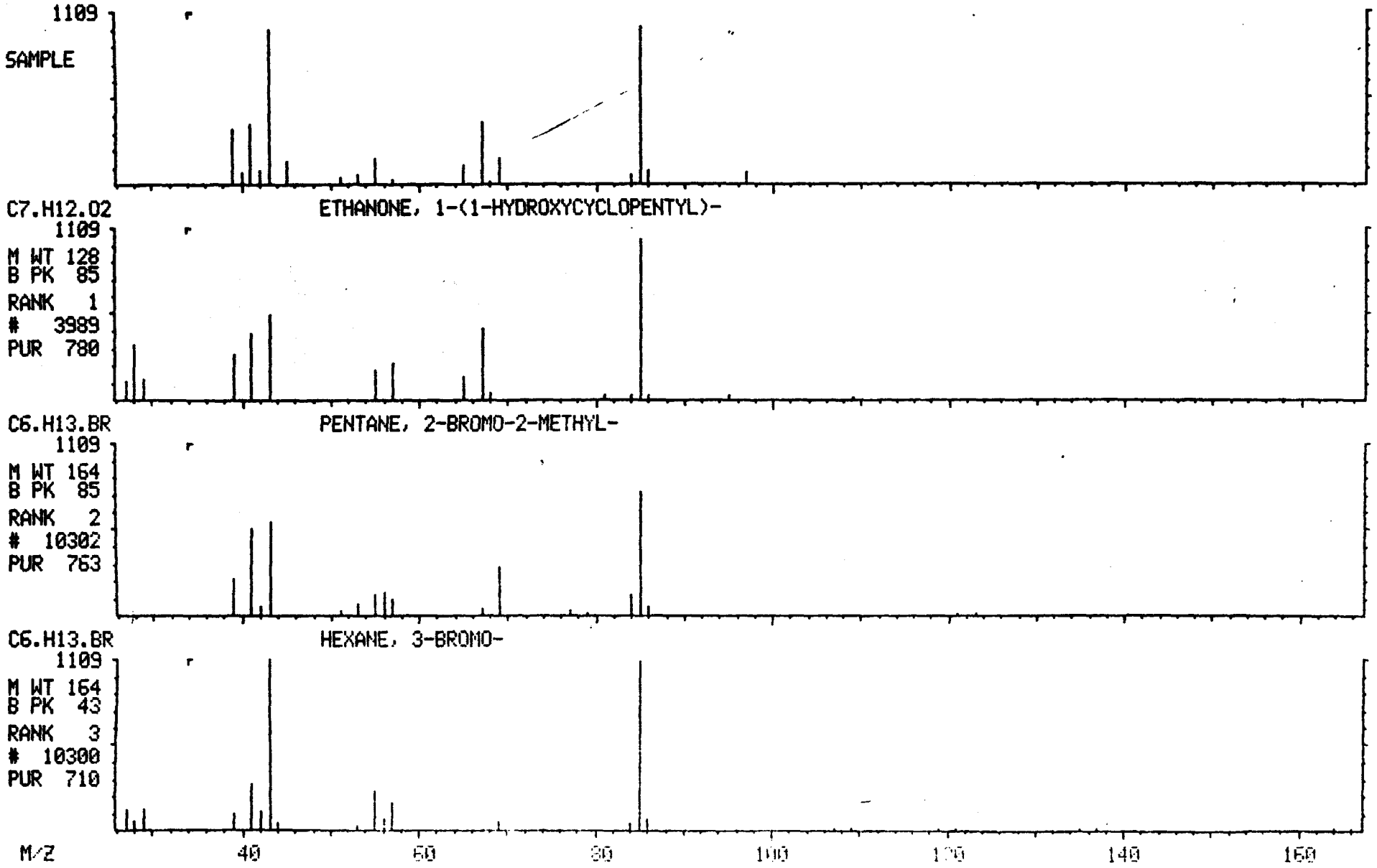


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 10:26
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1053
CALI: APR19VG04 # 3

BASE M/Z: 85
RIC: 2588.

001329

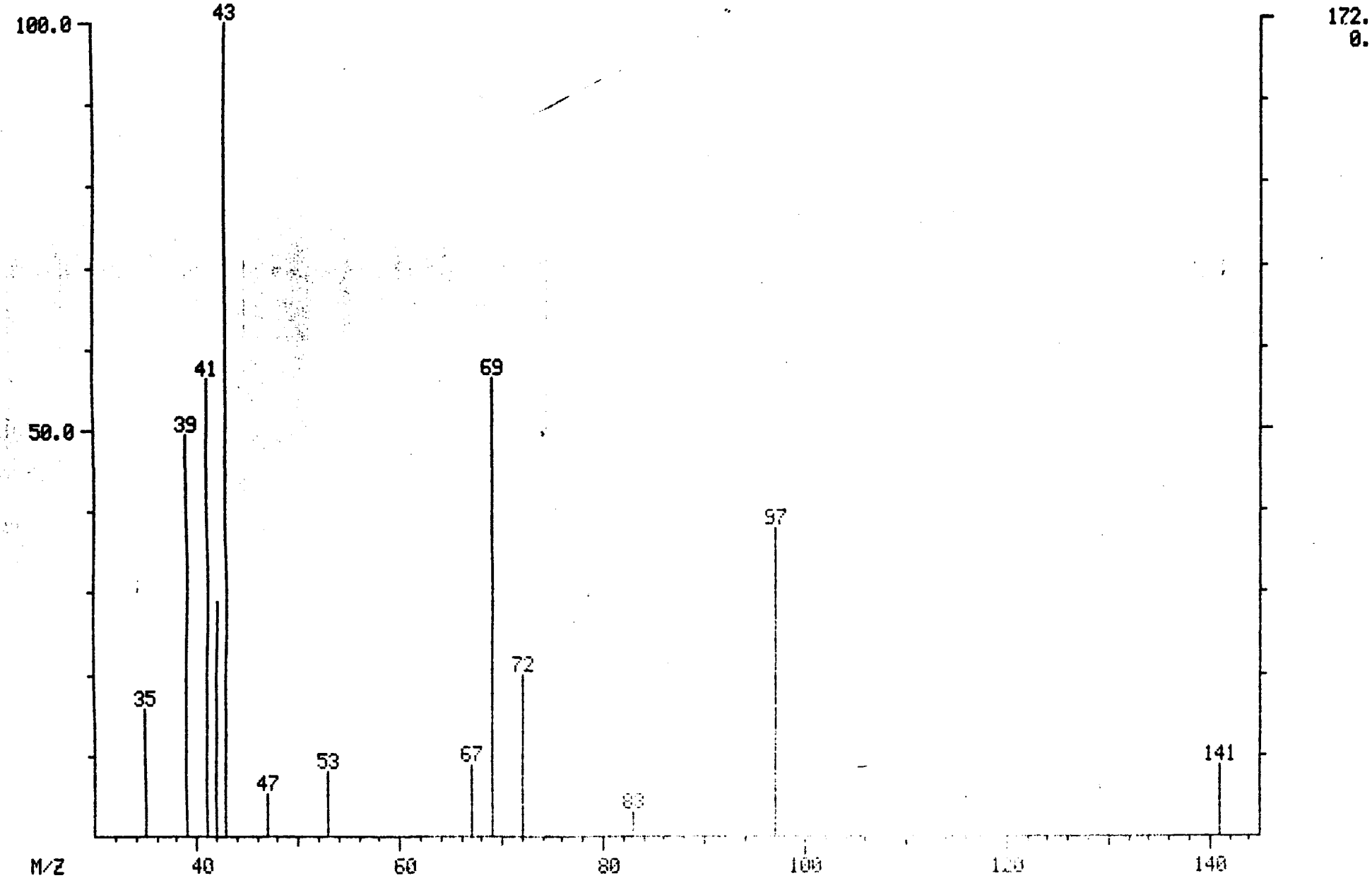


MASS SPECTRUM
04/19/91 20:58:00 + 10:33
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 105 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1065
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 685.

001330

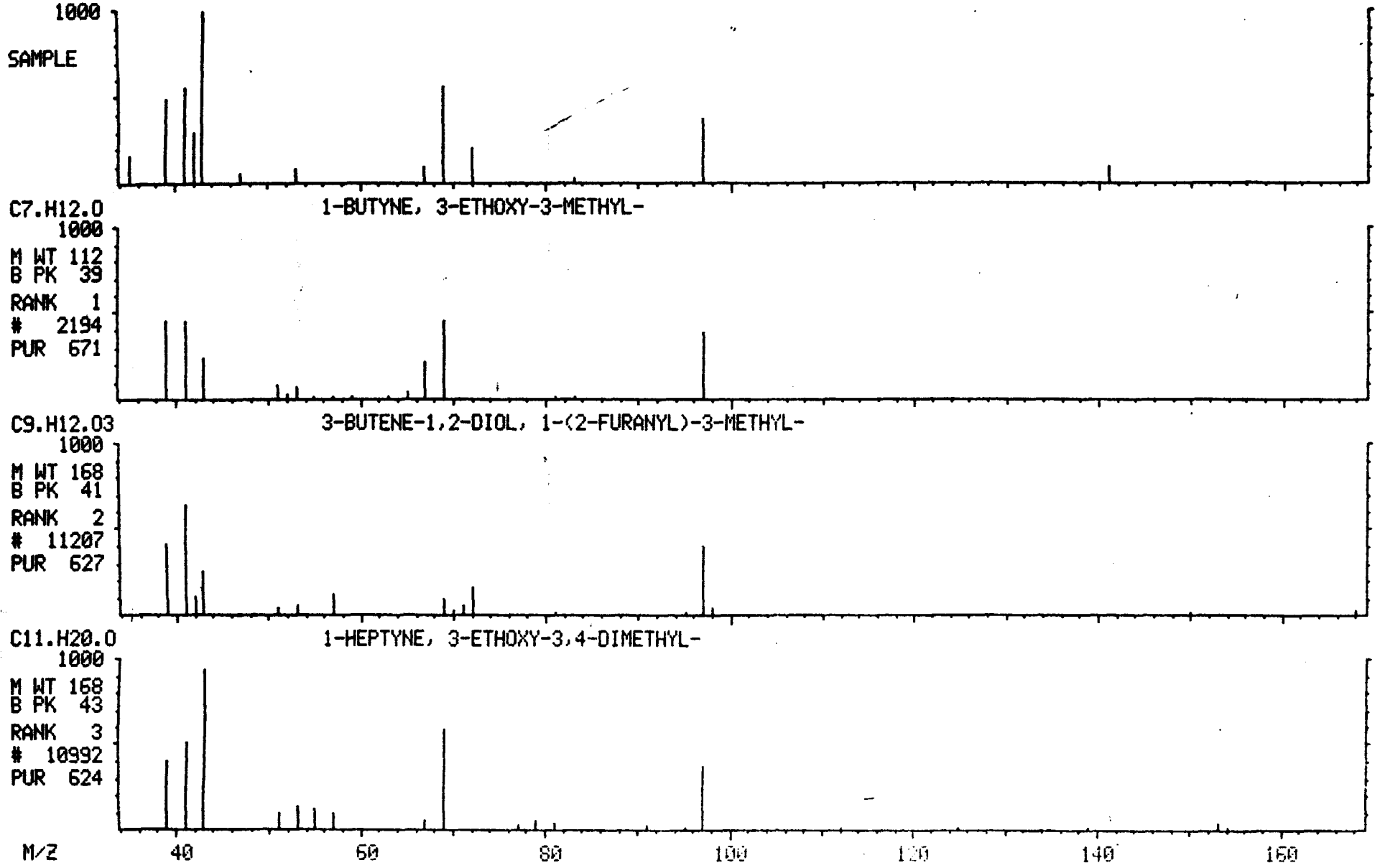


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 10:33
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1065
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 685.

001331

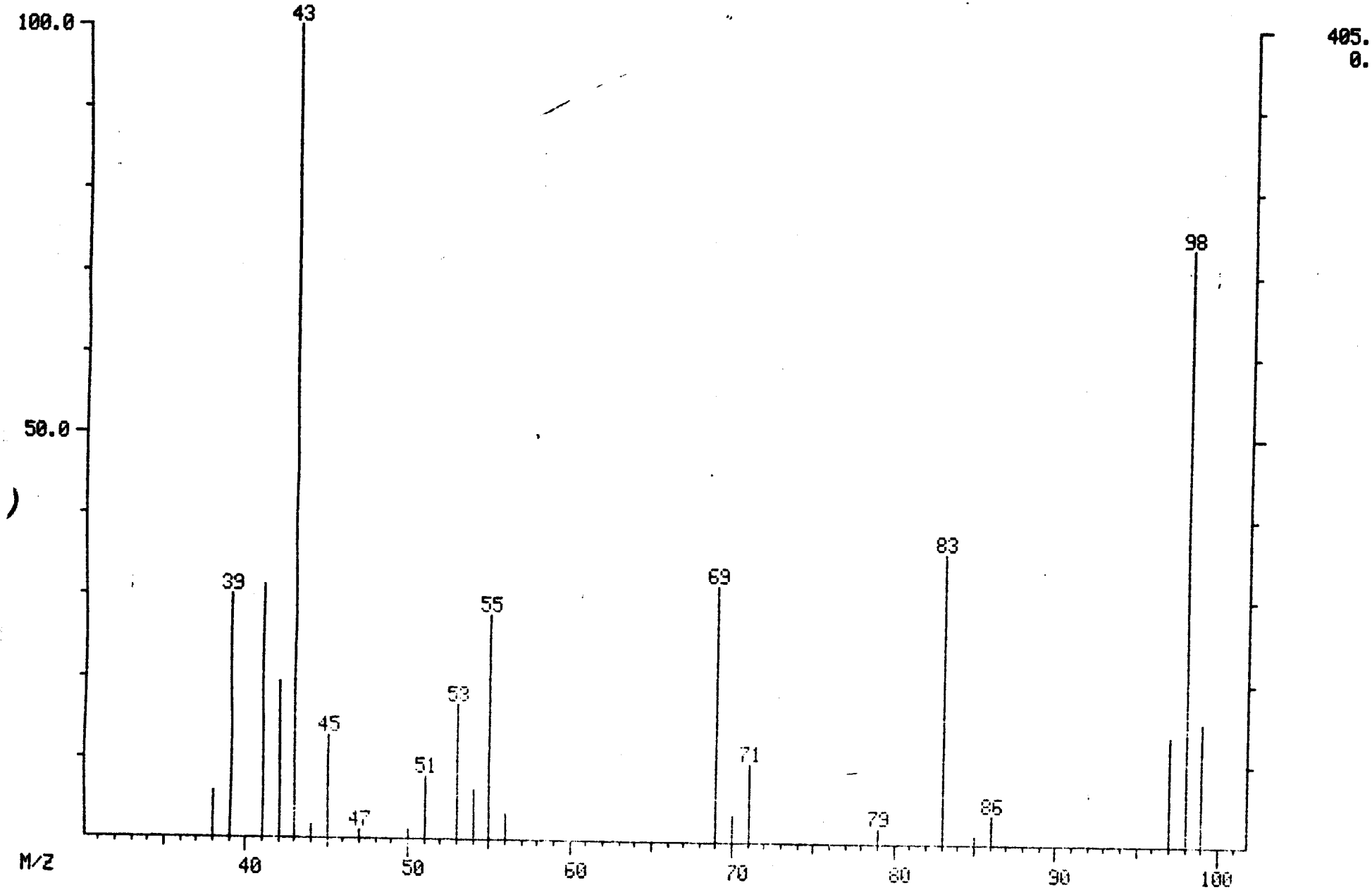


MASS SPECTRUM
04/19/91 20:58:00 + 11:13
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1132
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 1844.

001332

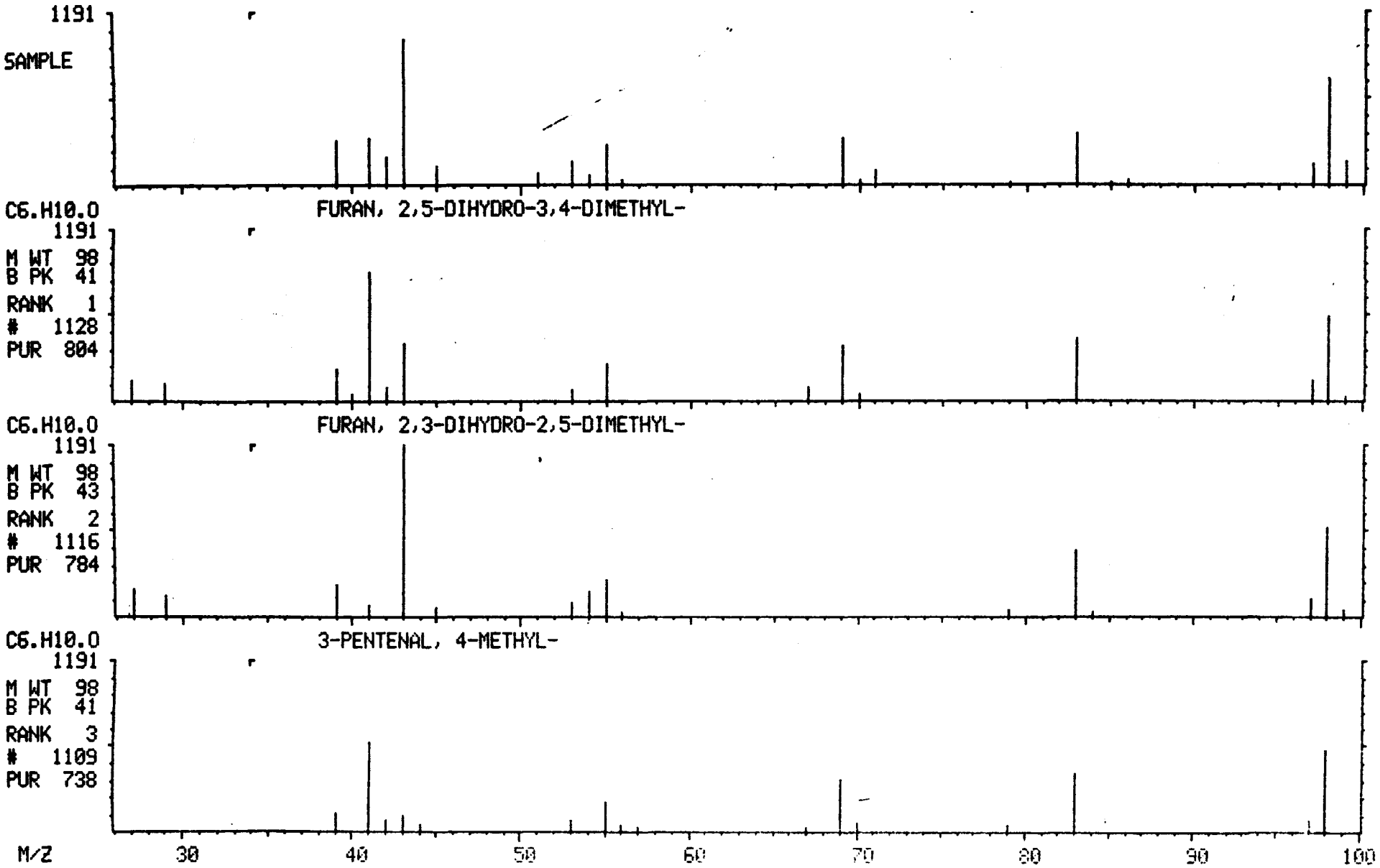


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 11:13
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1132
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 1804.

001333

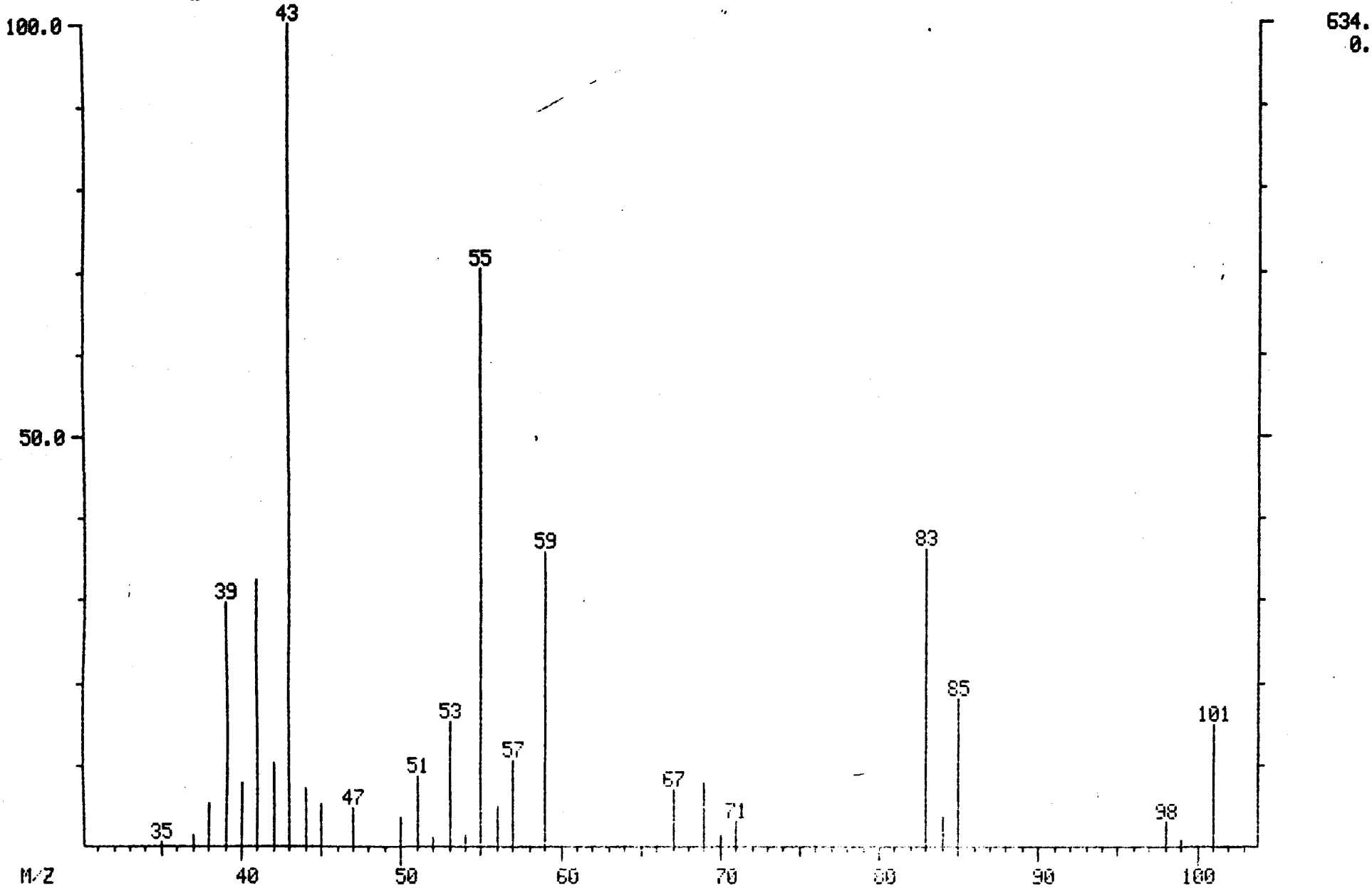


MASS SPECTRUM
04/19/91 20:58:00 + 11:24
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 114 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1150
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 2872.

001364

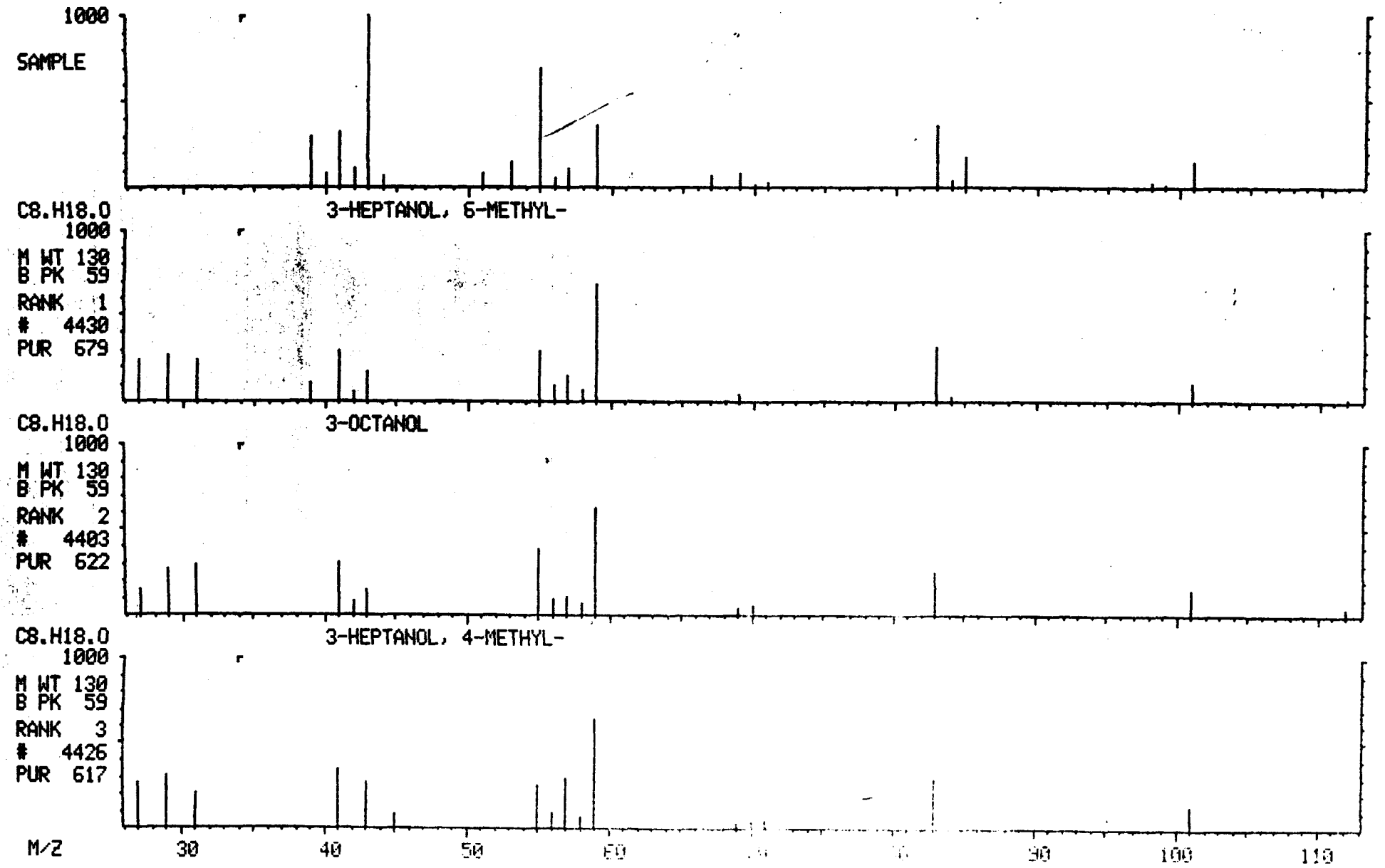


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 11:24
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1150
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 2728.

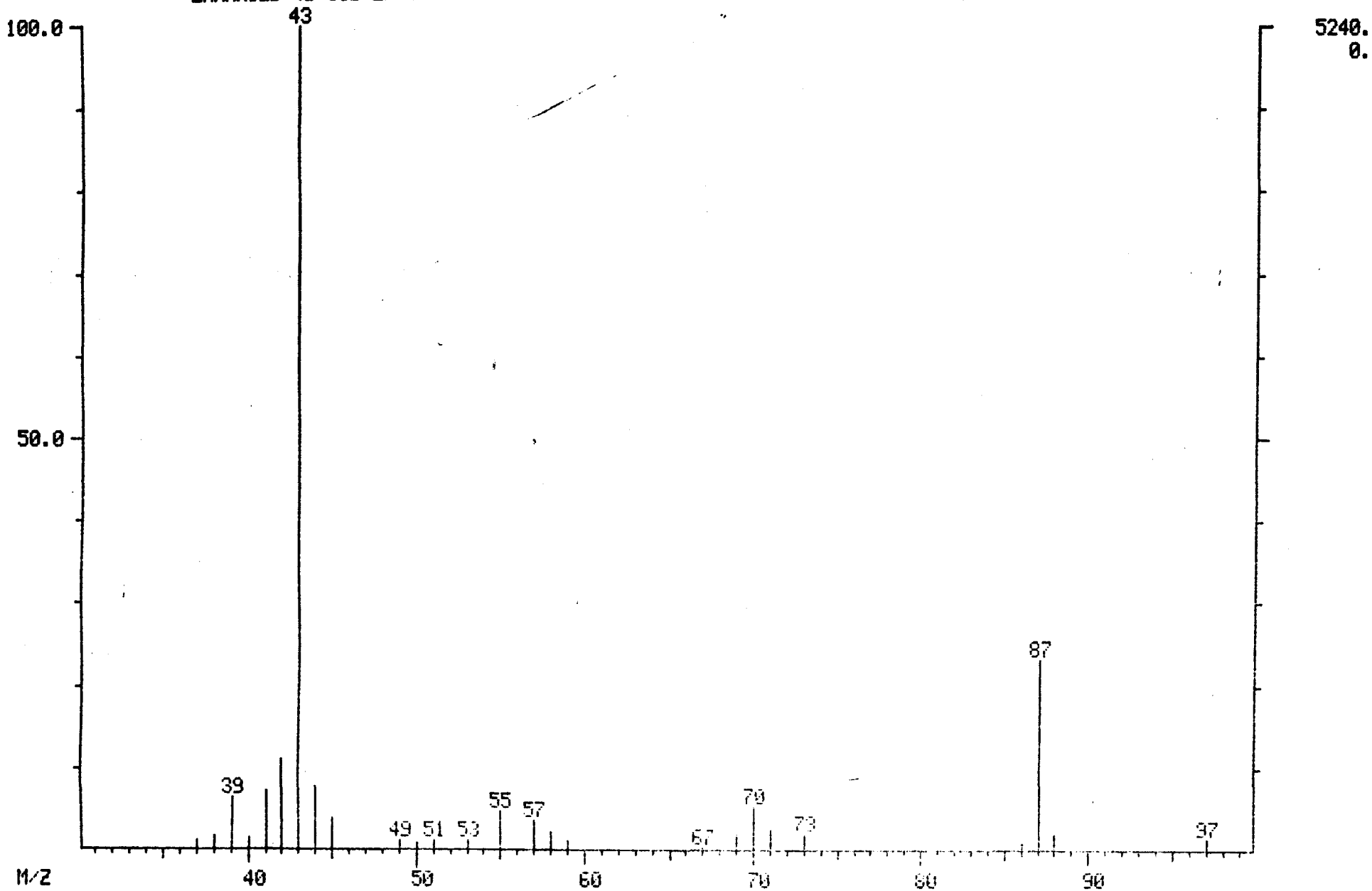
001335



MASS SPECTRUM
04/19/91 20:58:00 + 11:39
SAMPLE: 90901 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: APR19VG04 #1176
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 10192.



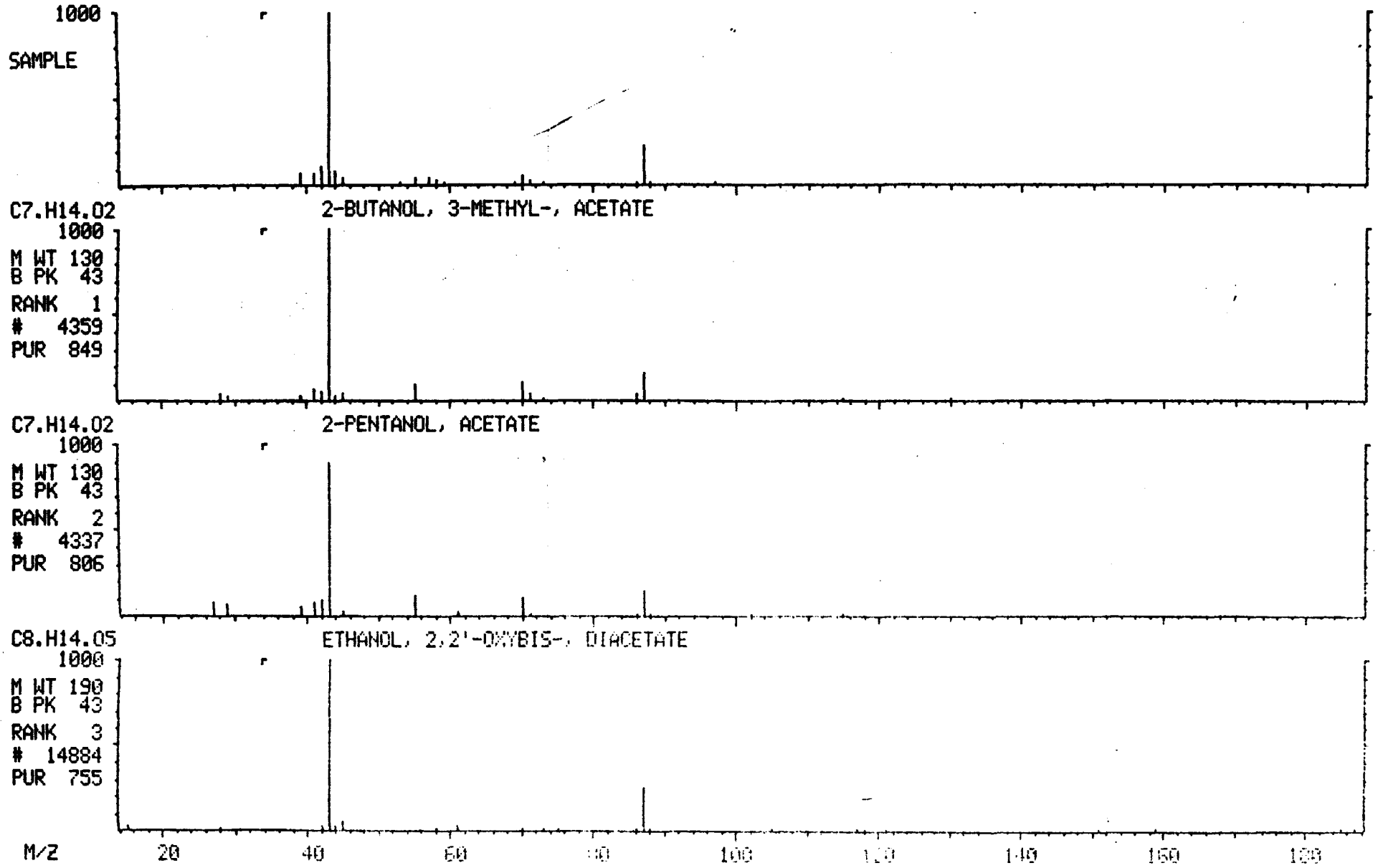
001236

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 11:39
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1176
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 9824.

001337

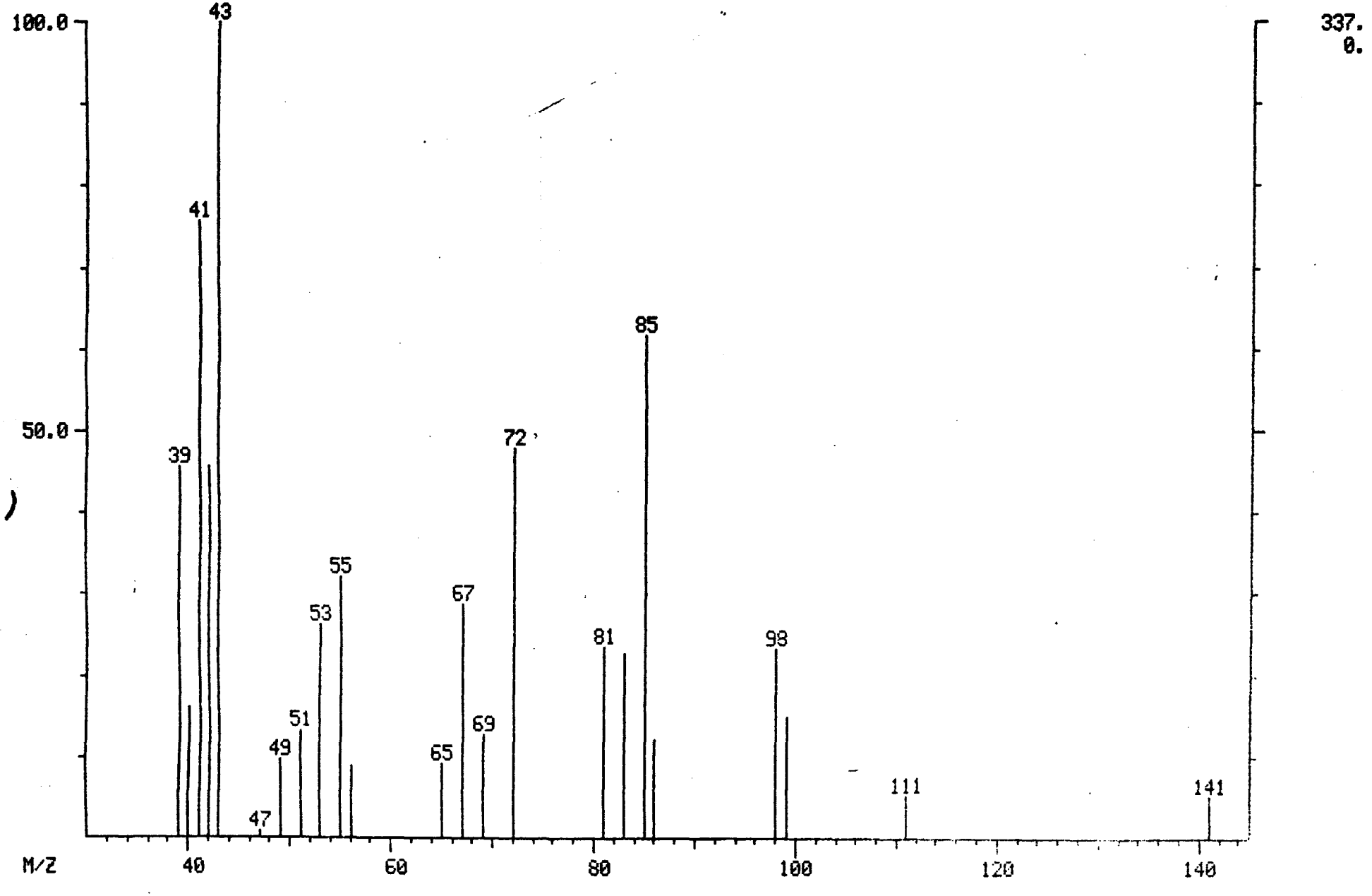


MASS SPECTRUM
04/19/91 20:58:00 + 12:02
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1214
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 2176.

001338

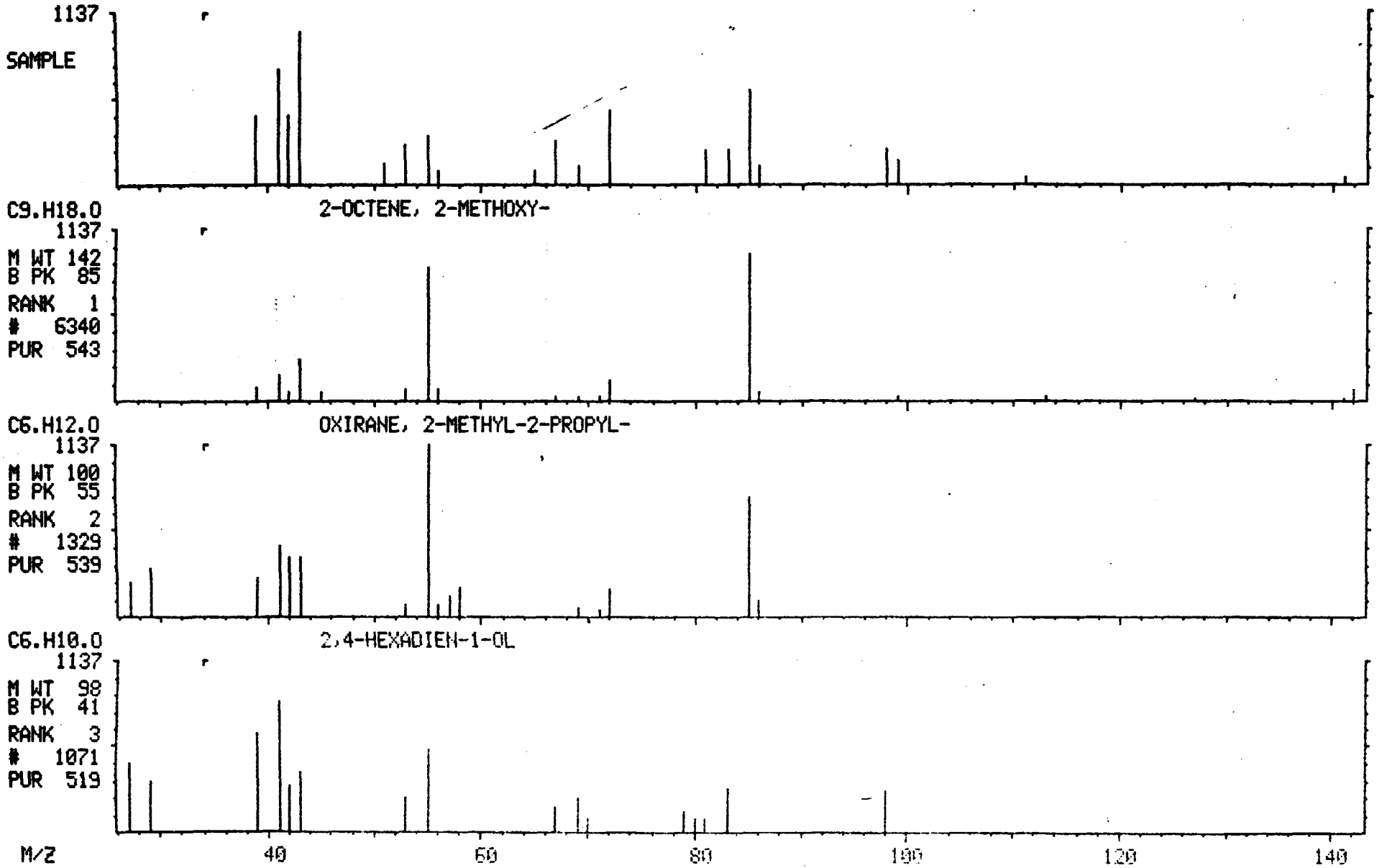


MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 12:02
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1214
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 2080.

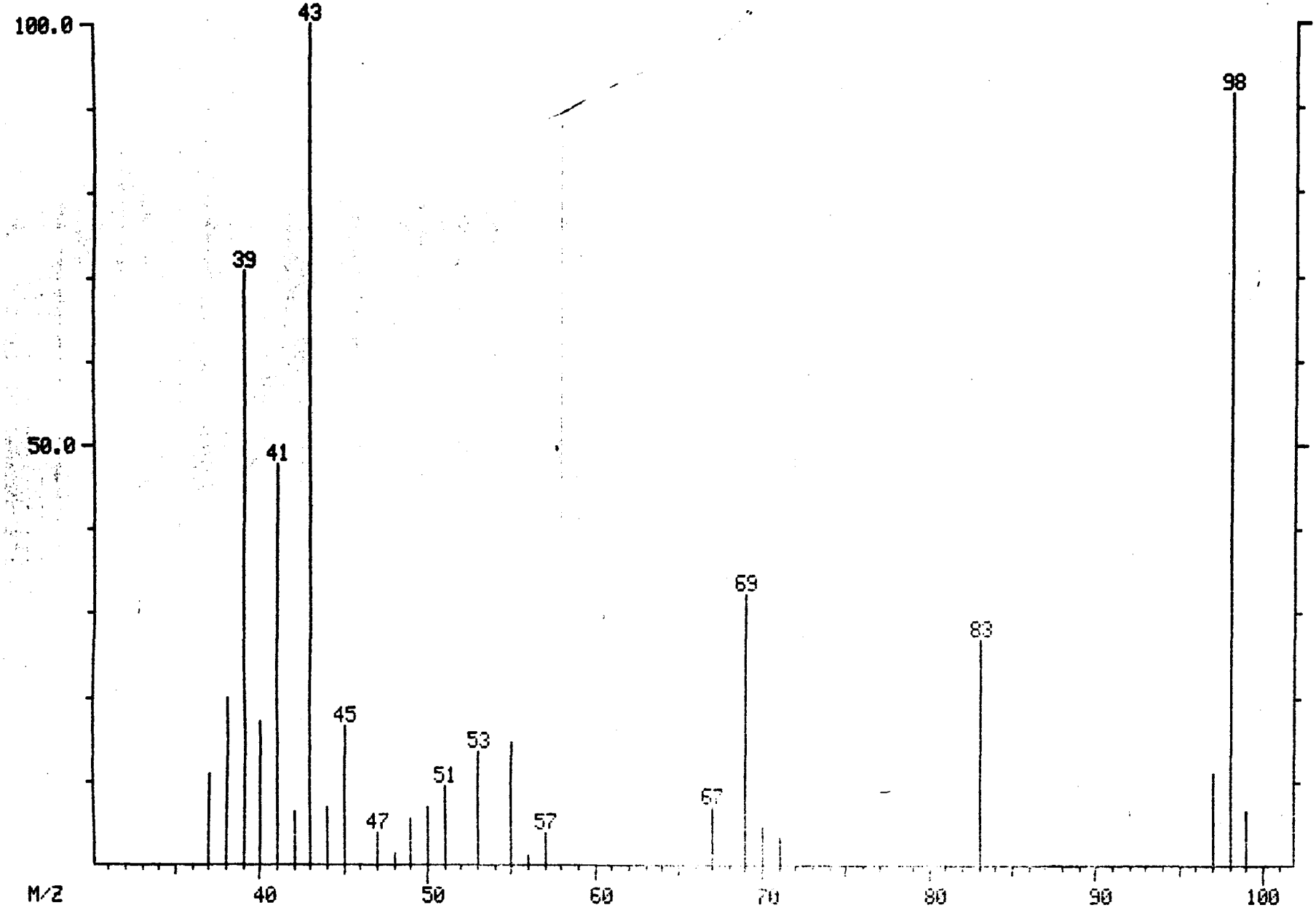
001339



MASS SPECTRUM
04/19/91 20:58:00 + 12:08
SAMPLE: 90901 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: APR19VG04 #1224
CALI: APR19VG04 #3

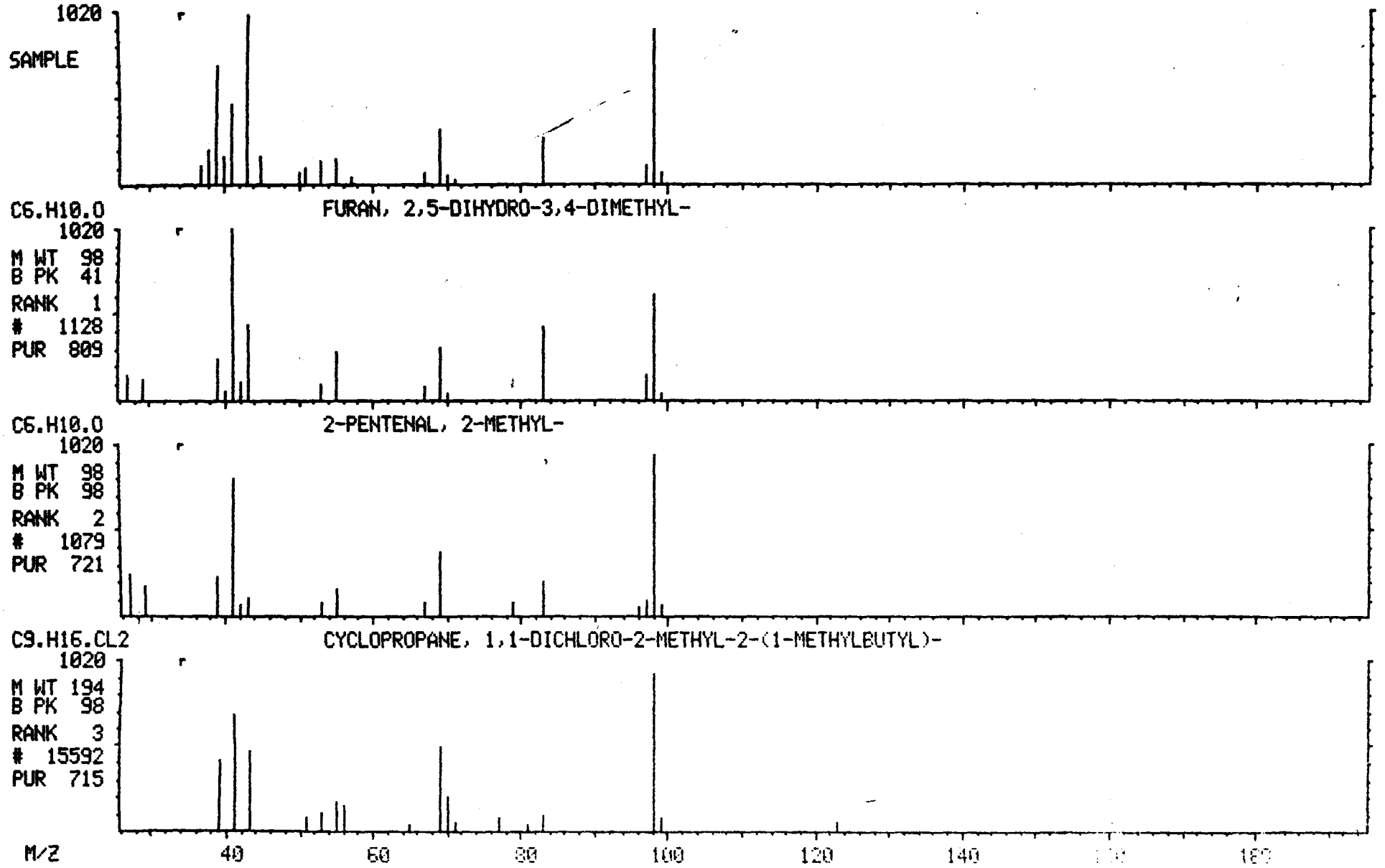
BASE M/Z: 43
RIC: 3280.



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 12:08
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1224
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 3124.

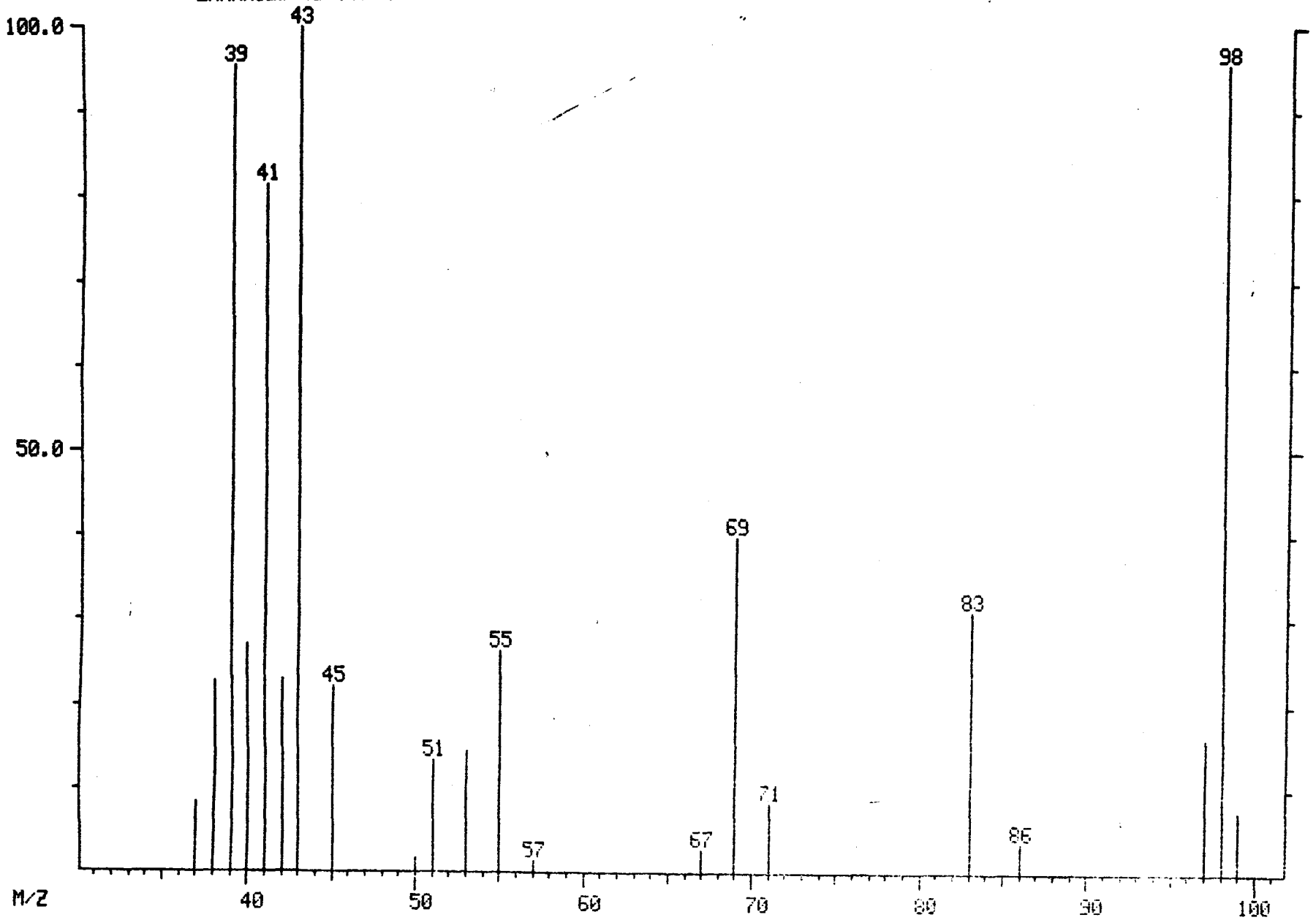


001354

MASS SPECTRUM
04/19/91 20:58:00 + 12:27
SAMPLE: 90901 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: APR19VG04 #1256
CALI: APR19VG04 #3

BASE M/Z: 43
RIC: 2480.

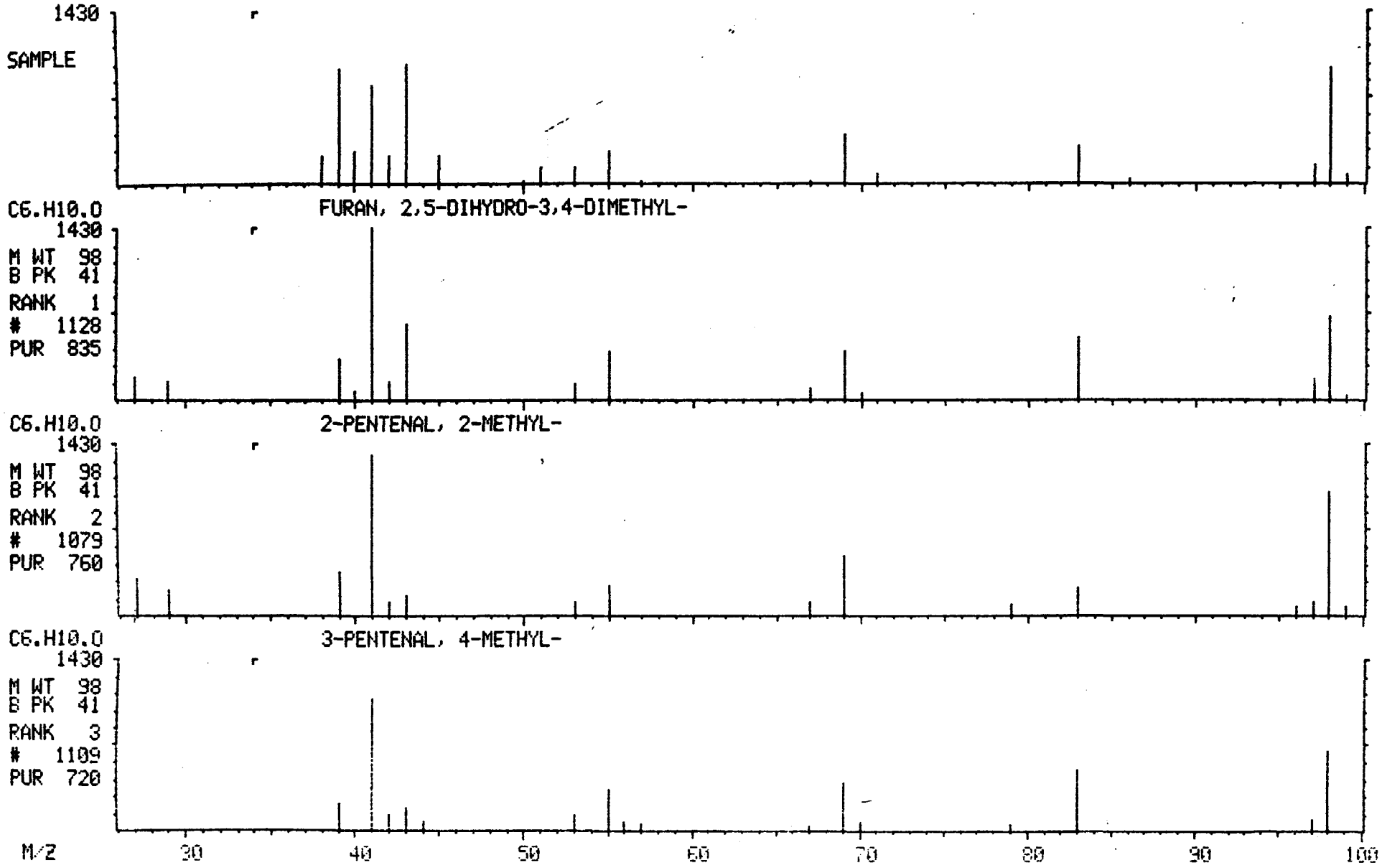


386.
0.

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 12:27
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1256
CALI: APR19VG04 # 3

BASE M/Z: 43
RIC: 2448.



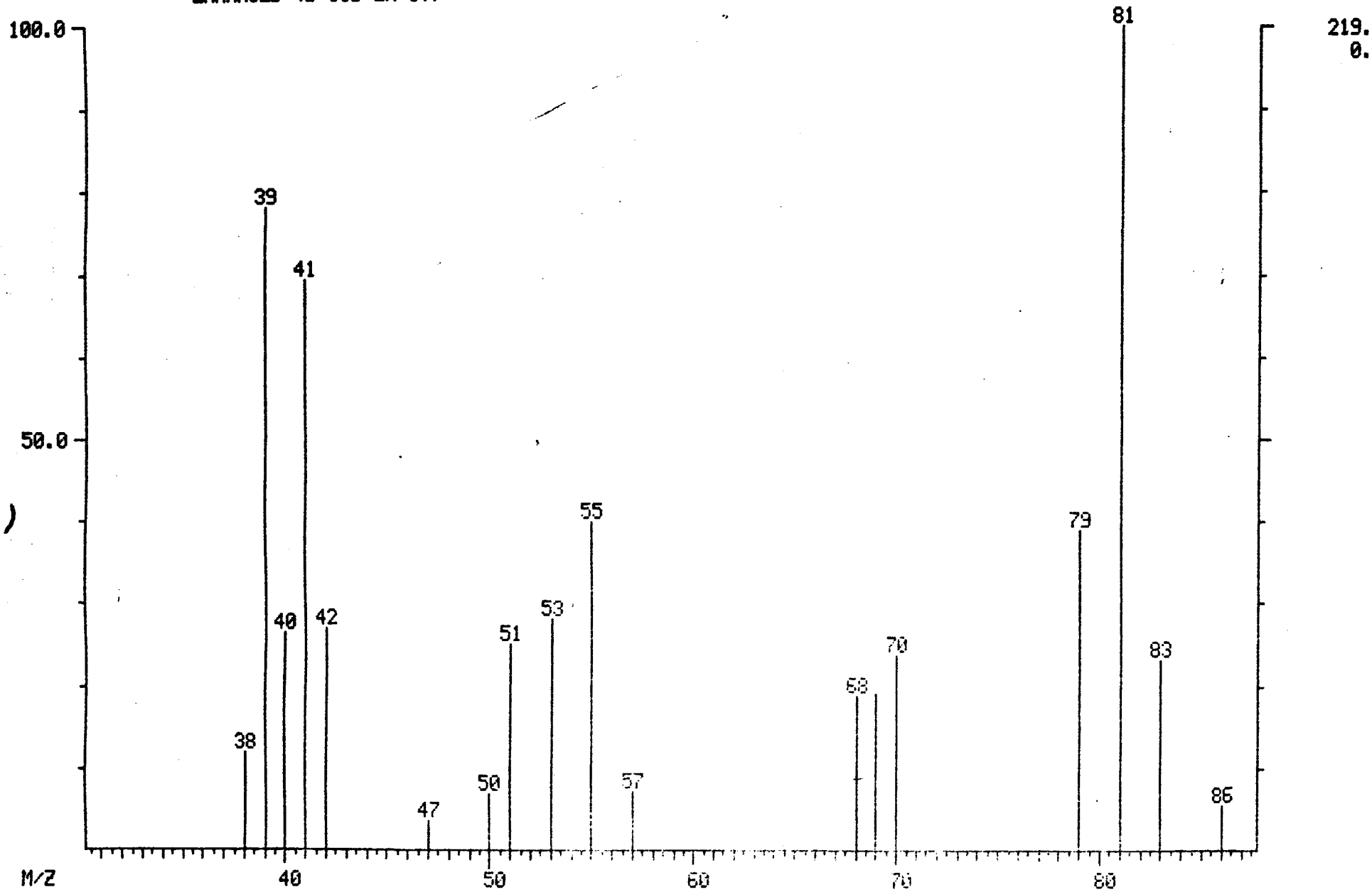
00135

MASS SPECTRUM
04/19/91 20:58:00 + 12:38
SAMPLE: 90901 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: APR19VG04 #1274
CALI: APR19VG04 #3

BASE M/Z: 81
RIC: 1214.

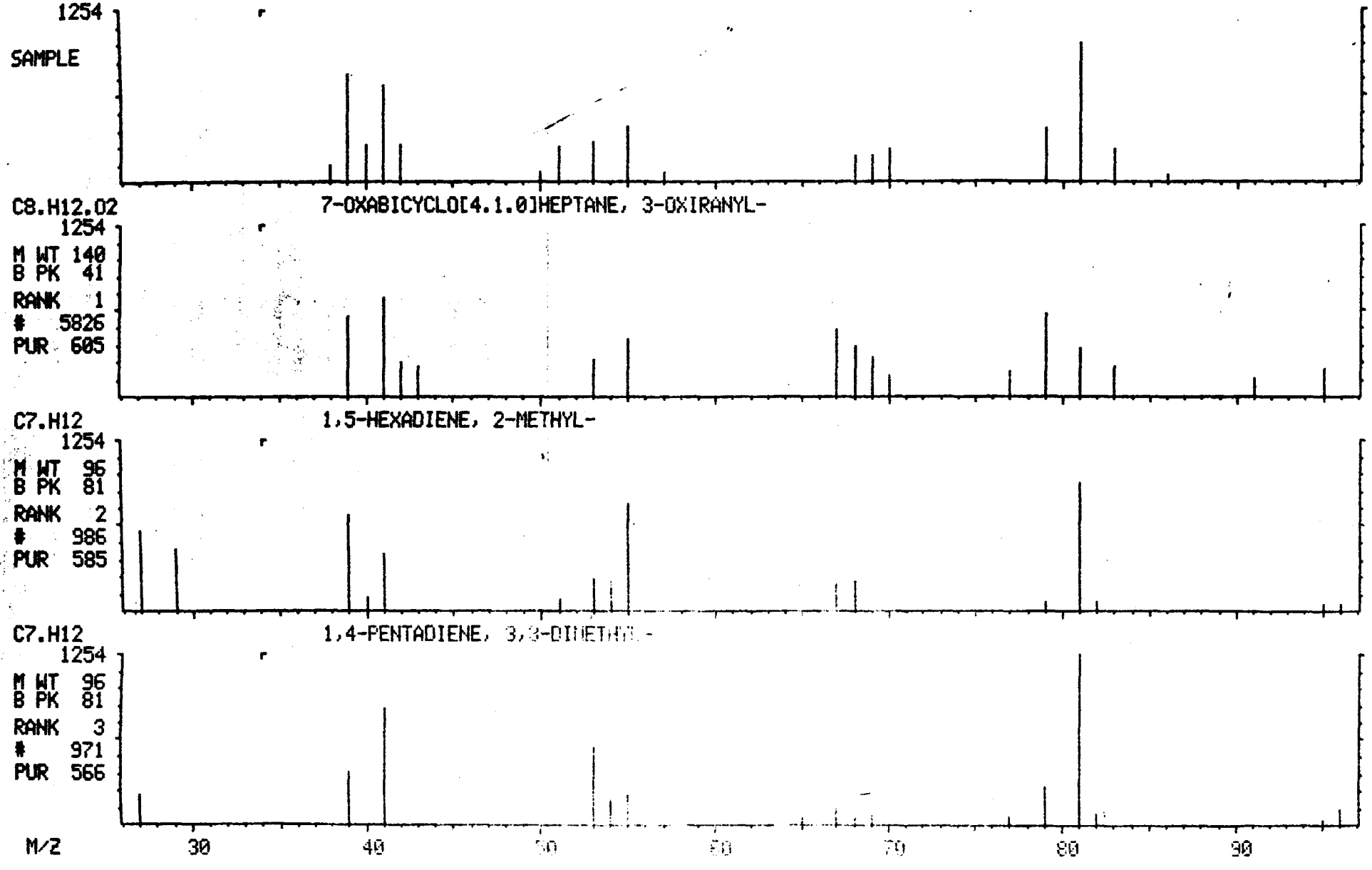
00134



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 12:38
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #1274
CALI: APR19VG04 # 3

BASE M/Z: 81
RIC: 1206.

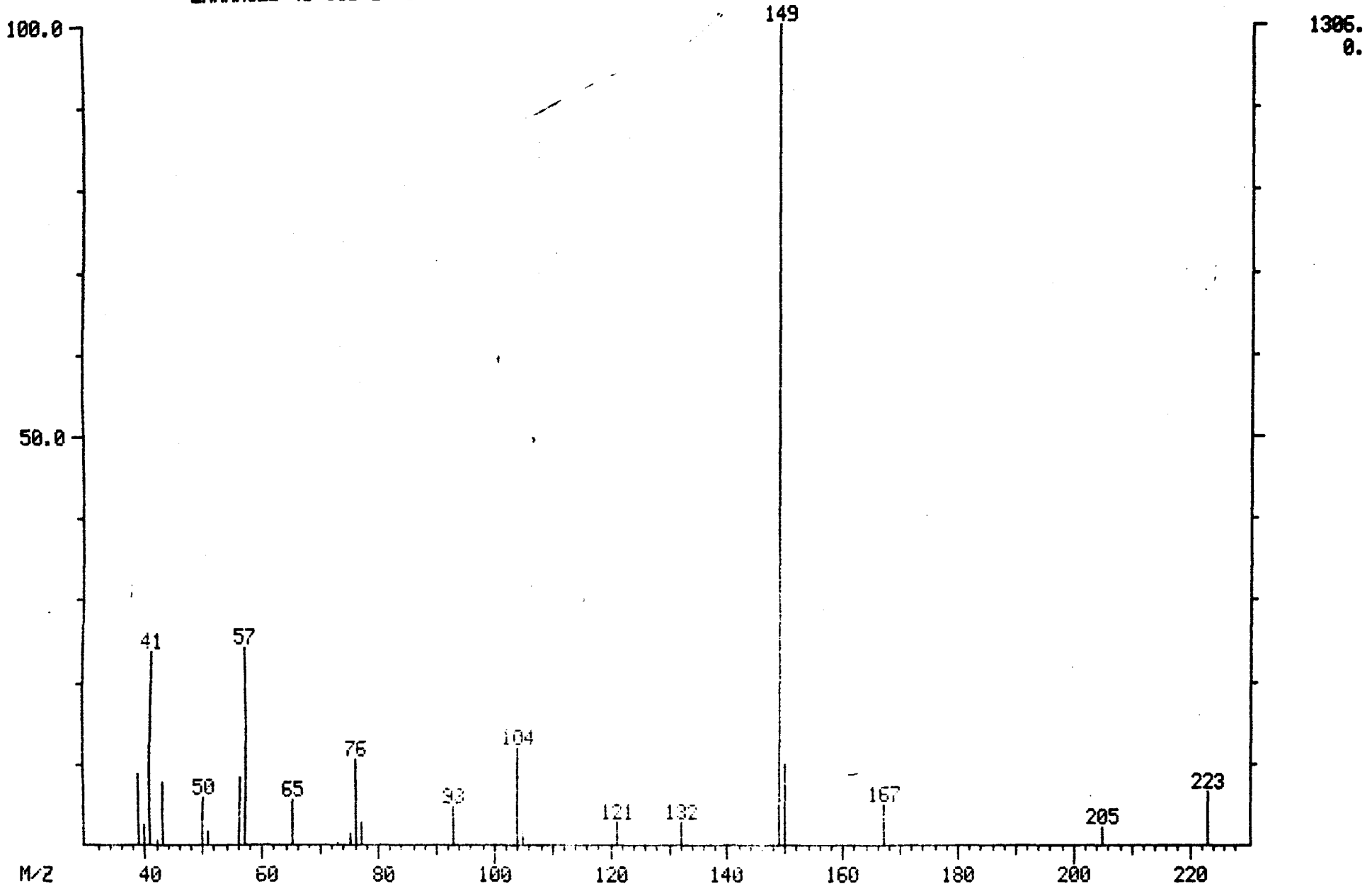


MASS SPECTRUM
04/19/91 20:58:00 + 24:00
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 242 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2421
CALI: APR19VG04 #3

BASE M/Z: 149
RIC: 3292.

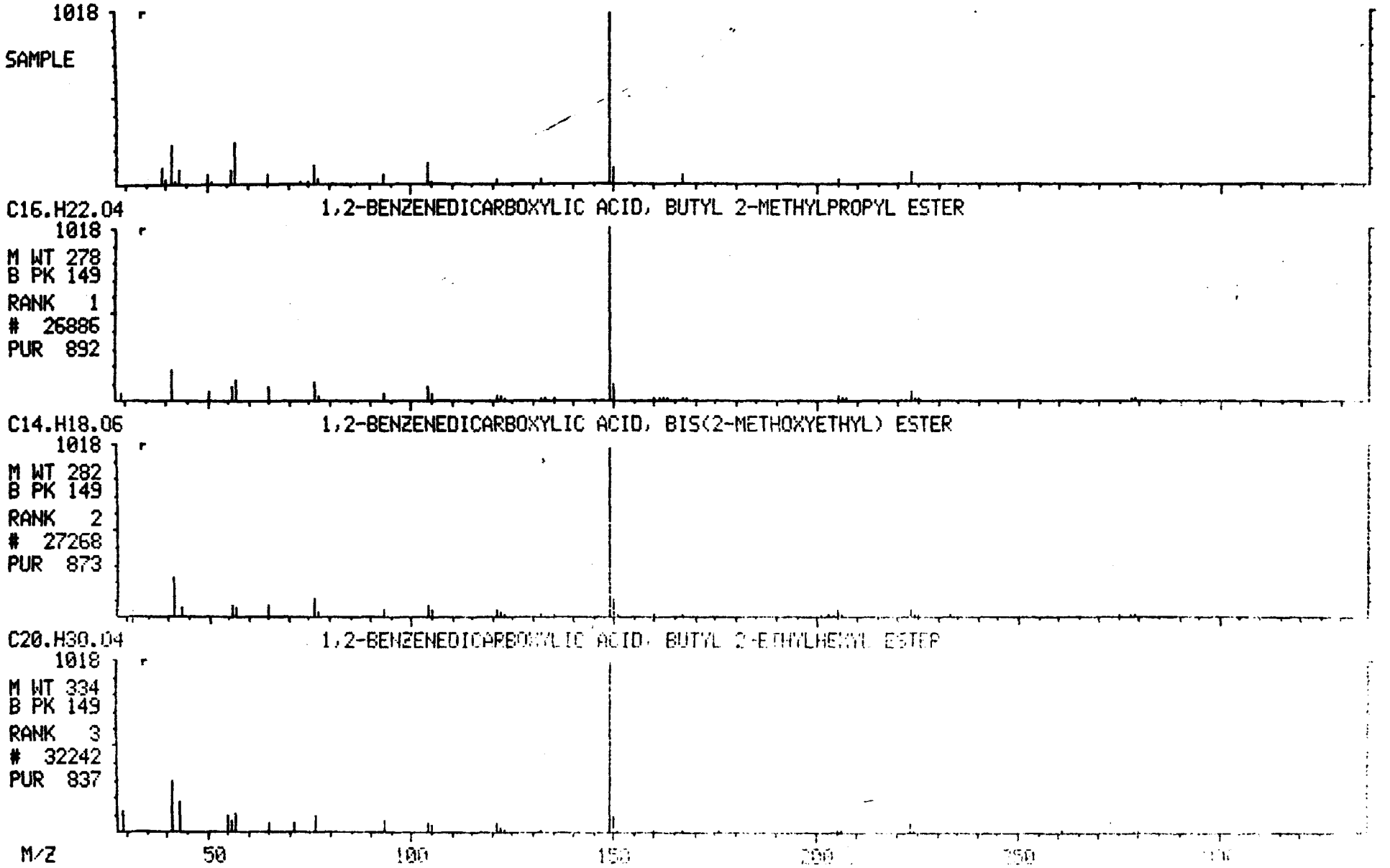
001346



MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 24:00
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2421
CALI: APR19VG04 # 3

BASE M/Z: 149
RIC: 3292.

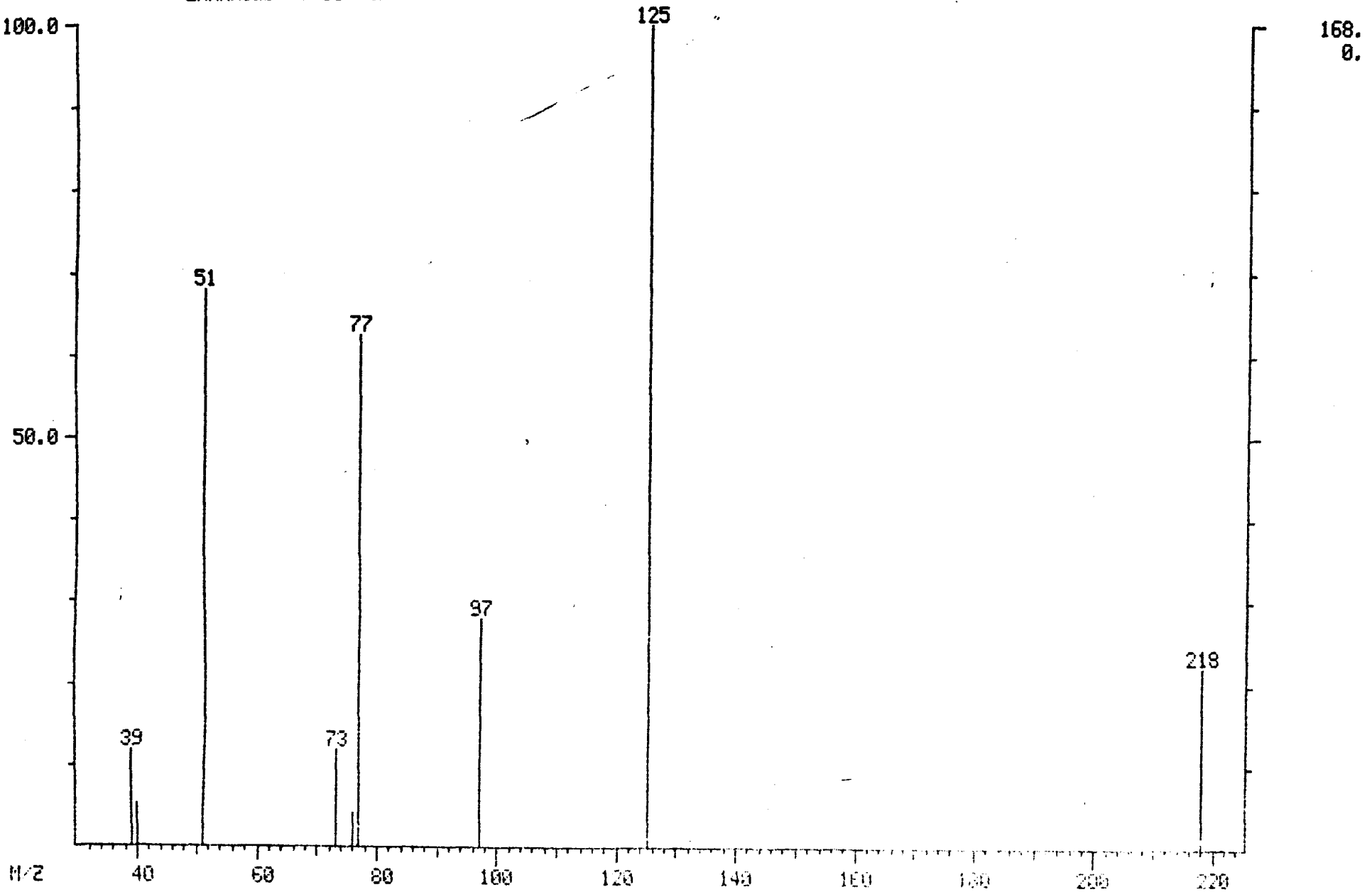


004347

MASS SPECTRUM
04/19/91 20:58:00 + 24:58
SAMPLE: 90901 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: APR19VG04 #2518
CALI: APR19VG04 #3

BASE M/Z: 125
RIC: 527.



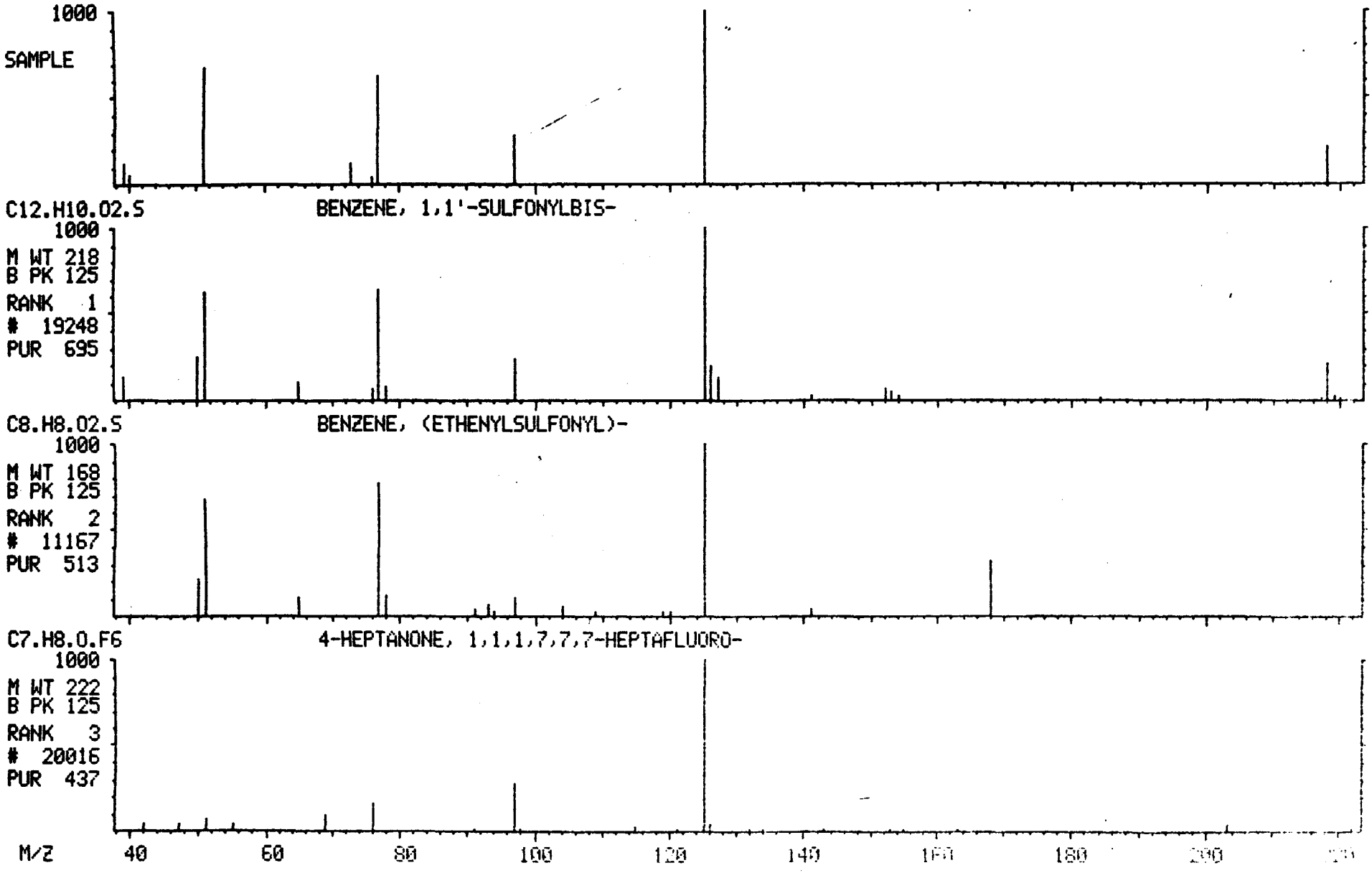
00 1758

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 24:58
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #2518
CALI: APR19VG04 # 3

BASE M/Z: 125
RIC: 527.

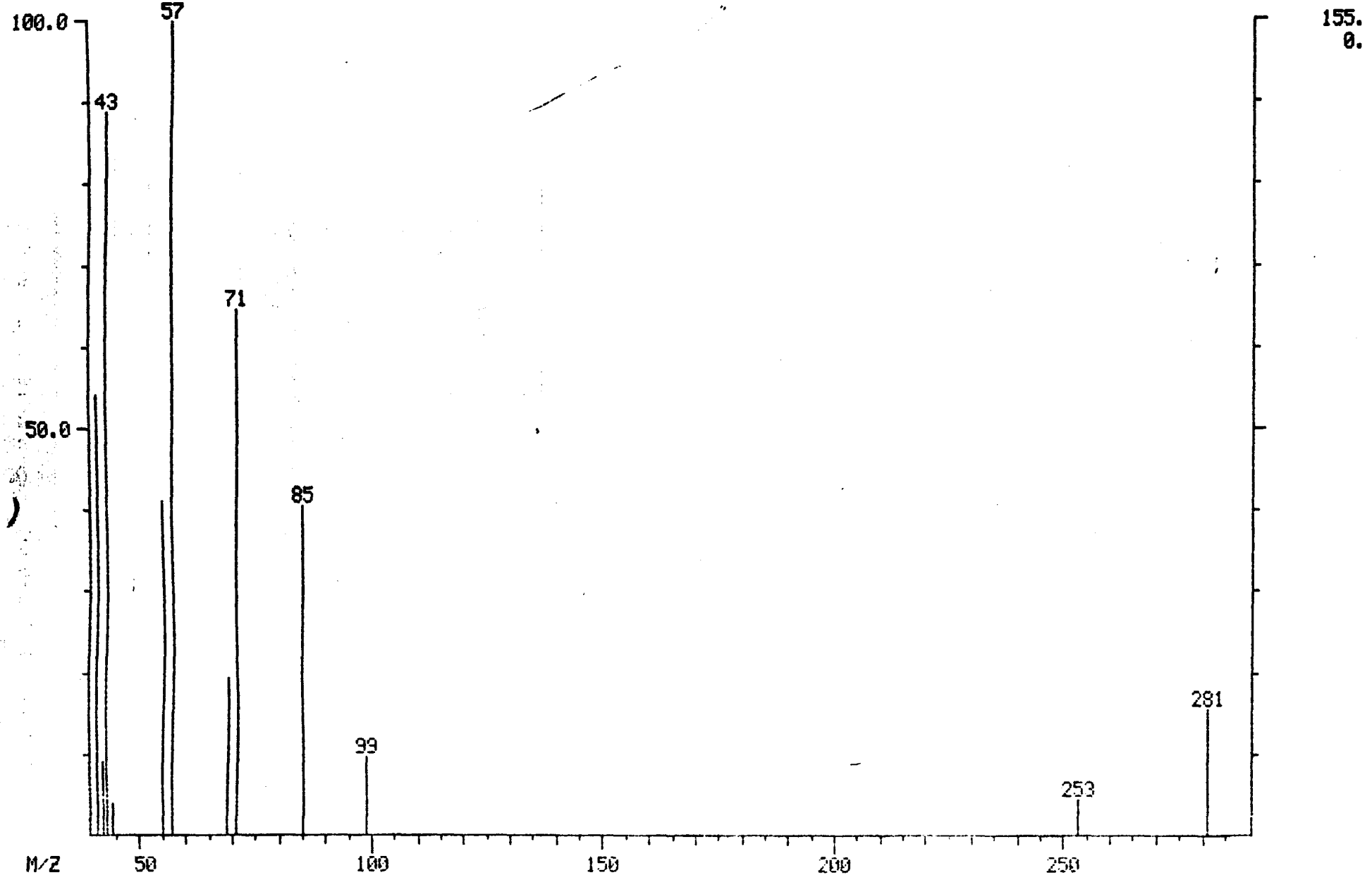
001369



MASS SPECTRUM
04/19/91 20:58:00 + 30:26
SAMPLE: 90901 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: APR19VG04 #3070
CALI: APR19VG04 #3

BASE M/Z: 57
RIC: 700.



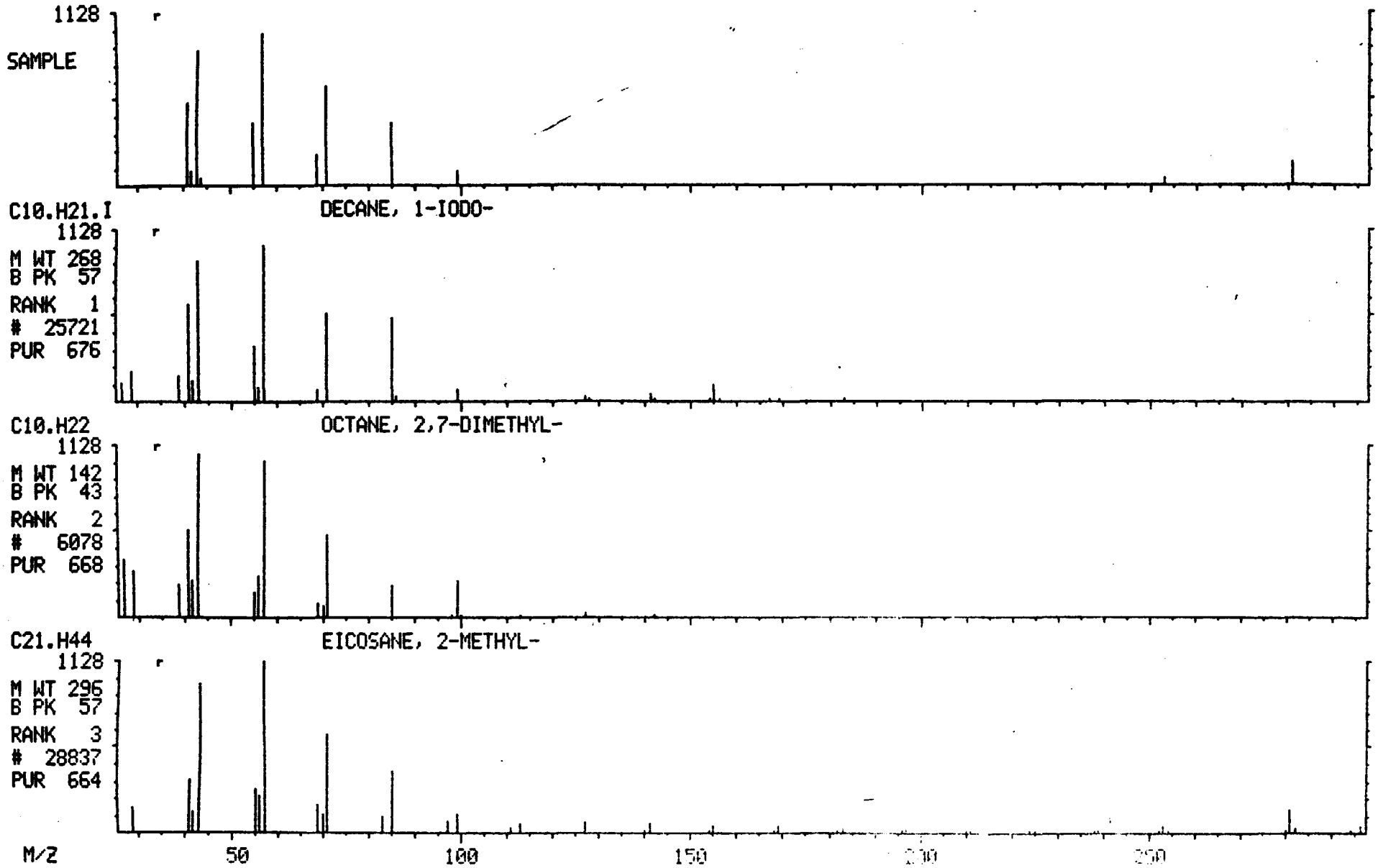
00123-00

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 30:26
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #3070
CALI: APR19VG04 # 3

BASE M/Z: 57
RIC: 700.

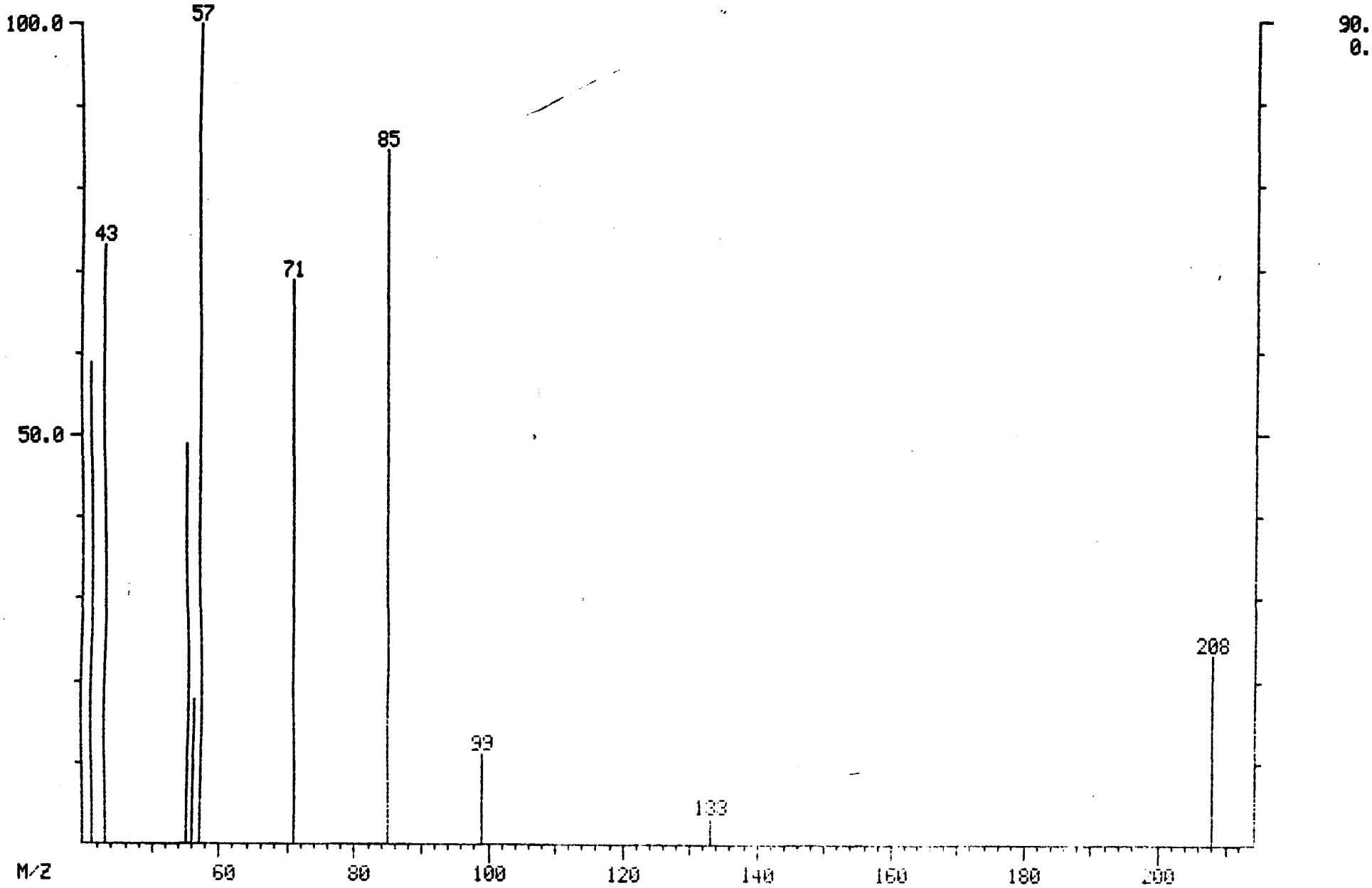
TS61-00



MASS SPECTRUM
04/19/91 20:58:00 + 38:37
SAMPLE: 90901 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: APR19VG04 #3896
CALI: APR19VG04 #3

BASE M/Z: 57
RIC: 441.

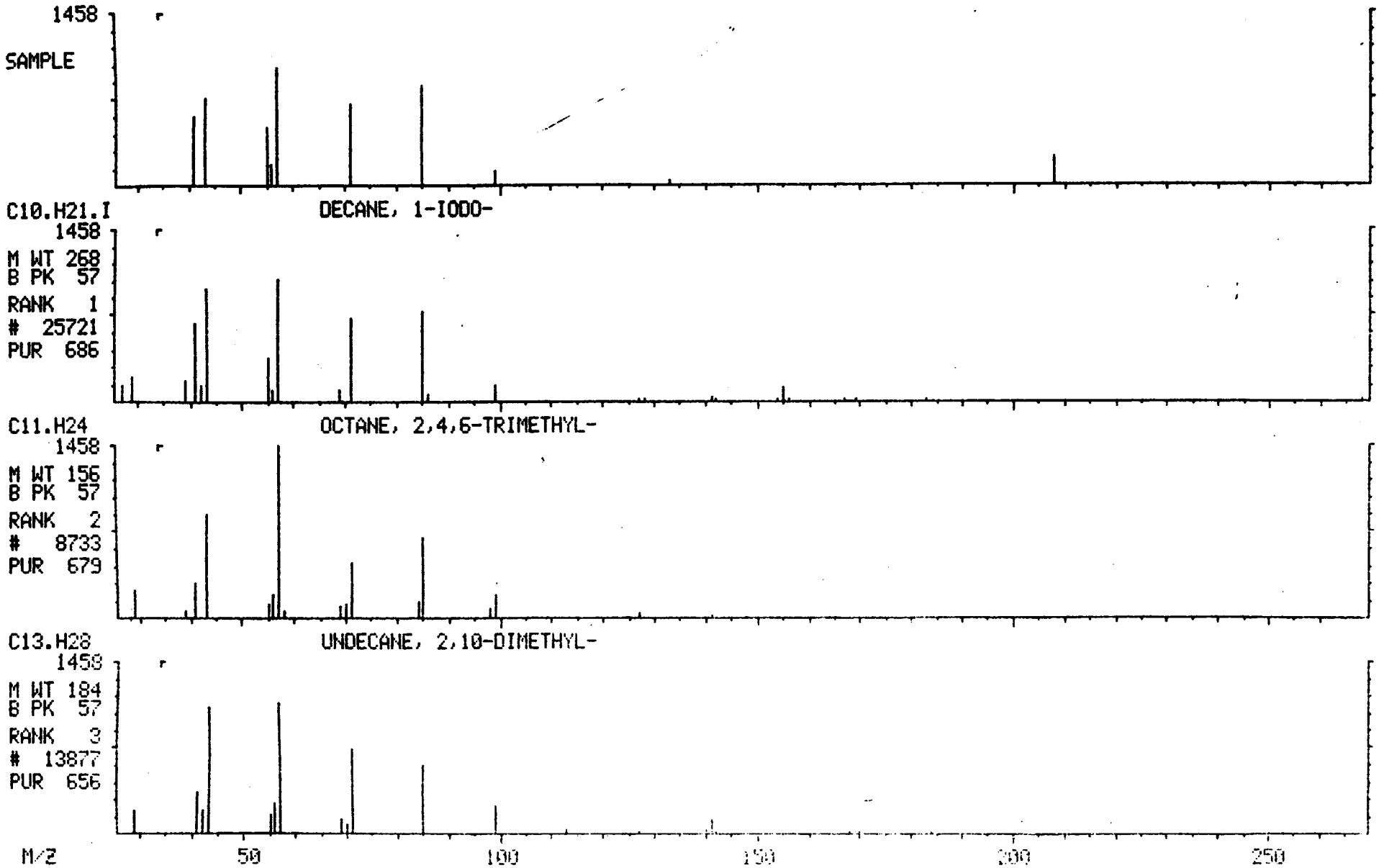


001302

MID LIBRARY SEARCH (LIBRARYNB)
04/19/91 20:58:00 + 38:37
SAMPLE: 90901 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG04 #3896
CALI: APR19VG04 # 3

BASE M/Z: 57
RIC: 441.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

.ab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

.evel: (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: 04/22/91

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	270	J
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.

X103

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

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: 04/22/91

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	260	J
120-12-7	Anthracene	860	U
84-74-2	Di-n-Butylphthalate	860	U
206-44-0	Fluoranthene	540	J
129-00-0	Pyrene	450	J
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)Anthracene	230	J
218-01-9	Chrysene	310	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

001355

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190902

Sample wt/vol: 30.3 (g/mL) G Lab File ID: APR22GK05

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: 04/22/91

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

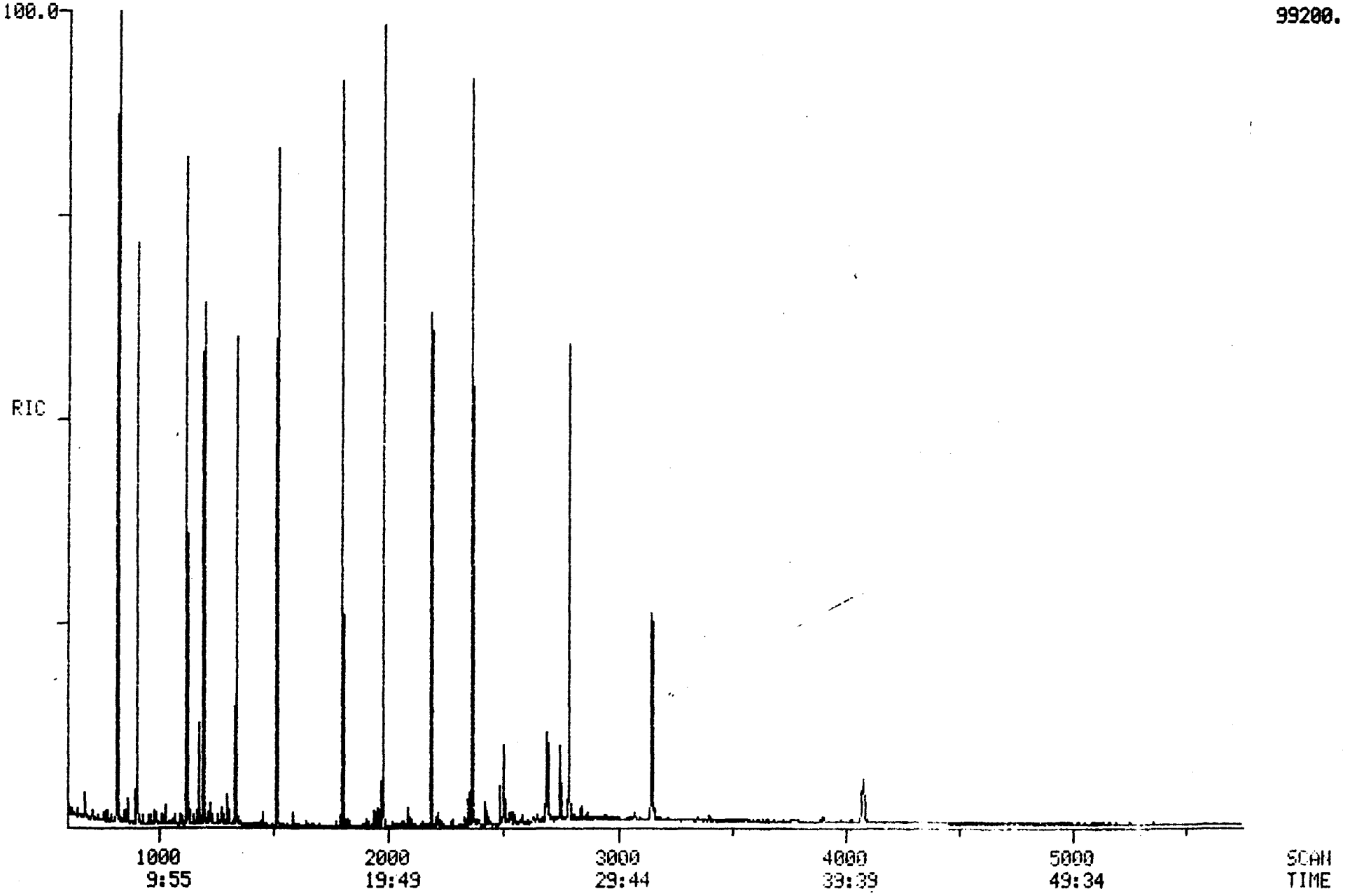
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	2000	BAJ
2.	UNKNOWN	8.57	49	BJ
3.	TETRACHLORO ETHANE	9.79	28	BJ
4.	UNKNOWN	10.20	62	J
5.	UNKNOWN	11.22	32	BJ
6.	UNKNOWN	11.67	210	BJ
7.	UNKNOWN	12.15	38	BJ
8.	UNKNOWN ALIP. HYDROCARBON	12.64	46	J
9.	UNKNOWN ALIP. ACID	15.72	29	J
10.	DIHYDRO-METHYL-INDOLE	19.24	43	J
11.	UNKNOWN ALIP. HYDROCARBON	19.39	37	J
12.	UNKNOWN ALIP. HYDROCARBON	21.99	32	J
13.	UNKNOWN	23.30	72	J
14.	UNKNOWN PHTHALATE	24.00	49	J
15.	UNKNOWN	24.64	100	J
16.	UNKNOWN	24.80	220	J
17.	UNKNOWN	25.09	28	J
18.	UNKNOWN	26.71	170	J
19.	UNKNOWN	28.16	37	J
20.	UNKNOWN ALIP. HYDROCARBON	30.47	26	J

001356

X103

RIC
04/22/91 13:12:00
SAMPLE: 90902 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: APR22GK05 #1 SCANS 600 TO 5750
CALI: APR22GK05 #3



4/22/91 13:12:39
Acquisition started

4/22/91 13:12:42
Acquire Run 3:APR22GK05 Starting
04/22/91 13:12:00 + 0:00 Free sectors: 14959 Scan: 0 of 5750
Sample. 90902 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 (DegC)	Rate (C/min)	Time (minutes) period	total			
					Injector A	:	260 Deg C
1	40- 40	-	4.0	4.0	GC oven	:	132 Deg C
2	40-280	10.0	24.0	28.0	Transfer-line	:	272 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

[illegible] Pressure .....: 0.014 Torr
Estimated Source Pressure .....: 7.800 Torr

[illegible] 14:19:39
ACQUISITION COMPLETED
Scans 1 to 8750 Centroid

Peak	Scans	Peak	Out of	%	Peaks per scan		per sec
Centroid	8751	9.8	3419.7	0.2	75594.	13.	22.

Quantitation Report File: APR22GK05

Data: APR22GK05.TI
04/22/91 13:12:00
Sample: 90502 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	1130 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	0380 2-FLUOROPHENOL (SURROGATE)
15	0385 D5-PHENOL (SURROGATE)
16	0140 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	0450 NAPHTHALENE
26	0455 4-CHLOROANILINE
27	0460 HEXACHLOROBUTADIENE
28	0465 4-CHLORO-3-METHYLPHENOL
29	0470 2-METHYLNAPHTHALENE
30	0475 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	0580 2,6-DINITROTOLUENE
45	0570 2,4-DINITROTOLUENE
46	0580 DIETHYLPHTHALATE
47	0585 4-CHLOROPHENYL PHENYL ETHER

001310

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	1197	11:52	1	1.000	A BB	43954.	40.000 UG/L	4.73
2	94	1125	11:09	1	0.940	A BB	316.	0.323 UG/L	0.04
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	108	1302	12:54	1	1.088	A BB	2406.	3.147 UG/L	0.37
12	NOT FOUND								
13	NOT FOUND								
14	112	906	8:59	1	0.757	A BB	57922.	93.452 %	11.05
15	99	1122	11:07	1	0.937	A BB	67057.	97.474 %	11.52
16	136	1517	15:02	16	1.000	A BB	117651.	40.000 UG/L	4.73
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	[illegible]	[illegible]	15:05	16	1.003	A BB	192.	0.071 UG/L	0.01
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	[illegible]	[illegible]	16:50	16	1.120	A BB	144.	0.081 UG/L	0.01
30	80	1388	13:16	16	0.882	A BB	54162.	95.528 %	11.29
31	[illegible]	1977	19:36	31	1.000	A BB	65176.	40.000 UG/L	4.73
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1937	19:12	31	0.980	A BB	212.	0.073 UG/L	0.01
39	NOT FOUND								
40	[illegible]	[illegible]	[illegible]	[illegible]	1.004	A BB	62.	0.038 UG/L	0.00
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	[illegible]	31	1.025	A BB	248.	0.096 UG/L	0.01
[illegible]	NOT FOUND								
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	20:47	31	1.061	A BB	128.	0.061 UG/L	0.01
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	20:59	31	1.070	A BB	290.	0.150 UG/L	0.02
[illegible]	NOT FOUND								
[illegible]	[illegible]	[illegible]	17:50	31	0.910	A BV	87256.	107.523 %	12.71

001361

Quantitation Report File: APR22GK05

Data: APR22GK05.TI
04/22/91 13:12:00
Sample: 90902 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	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	0030 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	2185	21:39	31	1.105	A BB	15308.	88.982 %	10.52
52	188	2364	23:26	52	1.000	A BV	109528.	40.000 UG/L	4.73
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2370	23:29	52	1.003	A BB	8048.	2.971 UG/L	0.35
58	178	2381	23:36	52	1.007	A BB	920.	0.334 UG/L	0.04
59	149	2523	25:00	52	1.067	A BB	916.	0.274 UG/L	0.03
60	202	2687	26:38	52	1.137	A BB	16018.	6.235 UG/L	0.74
61	NOT FOUND								
62	202	2748	27:14	52	1.162	A BB	13220.	5.226 UG/L	0.62
63	NOT FOUND								
64	240	3150	31:13	64	1.000	A BB	47739.	40.000 UG/L	4.73
65	NOT FOUND								

001382

Quantitation Report File: APR22GK05A

Data: APR22GK05.TI
04/22/91 13:12:00
Sample: 90902 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) * 0.015
Resp. fac. from Library Entry

$\frac{374359}{339133} \times 40 \times 1/30.28 \times \frac{1}{100} = 0.015$

No	CAS #	Name
1	53951-43-2	1,3-DIOXOLANE-2-METHANOL, 2,4-DIMETHYL-
2	57266-86-1	2-HEPTENAL, (Z)-
3	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
4	930-68-7	2-CYCLOHEXEN-1-ONE
5	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
6	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
7	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
8	921-47-1	HEXANE, 2,3,4-TRIMETHYL-
9	103-82-2	BENZENEACETIC ACID
10	62108-16-1	1H-INDOLE, 2,3-DIHYDRO-4-METHYL-
11	1072-16-8	OCTANE, 2,7-DIMETHYL-
12	6975-98-0	DECANE, 2-METHYL-
13	1002-84-2	PENTADECANOIC ACID
14	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST
15	2091-29-4	9-HEXADECENOIC ACID
16	57-10-3	HEXADECANOIC ACID
17	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE
18	74605-36-2	OXACYCLOTETRADECANE-2,11-DIONE, 13-METHYL-
19	238-84-6	11H-BENZO[A]FLUORENE
20	55160-28-4	NONANE, 2-BROMO-5-ETHYL-

No	Typ	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	821	8:08	1	1.000	A BB	374359. Alpol	1.500 B4	60.05
2	RIC	865	8:34	1	1.054	A BB	9238. UNK	0.037 B	1.48
3	RIC	987	9:47	1	1.202	A BB	5255. Below	0.021 B	0.84
4	RIC	1029	10:12	1	1.253	A BB	11836. UNK	0.047	1.90
5	RIC	1132	11:13	1	1.379	A VB	6002. UNK	0.024 B	0.96
6	RIC	1177	11:40	1	1.434	A BB	39923. UNK	0.160 B	6.40
7	RIC	1225	12:09	1	1.492	A BV	7285. UNK	0.029 B	1.17
8	RIC	1275	12:38	1	1.553	A BB	8792. HC	0.035	1.41
9	RIC	1586	15:43	1	1.932	A BB	5505. Alp Acid	0.022	0.88
10	RIC	1940	19:14	1	2.363	A BB	8225. Below	0.033	1.32
11	RIC	1956	19:23	1	2.382	A BV	6904. HC	0.028	1.11
12	RIC	2217	21:59	1	2.700	A BB	5995. HC	0.024	0.96
13	RIC	2350	23:18	1	2.862	A BB	13643. UNK	0.055	2.19
14	RIC	2421	24:00	1	2.949	A BB	9232 Misc Phth	0.037	1.48
15	RIC	2485	24:38	1	3.027	A BB	19239. UNK	0.077	3.09
16	RIC	2502	24:48	1	3.048	A BB	42232. UNK	0.169	6.77
17	RIC	2530	25:05	1	3.082	A BV	5145. UNK	0.021	0.83
18	RIC	2694	26:42	1	3.281	A VB	32473. UNK	0.130	5.21
19	RIC	2840	28:09	1	3.459	A BB	7089. UNK	0.028	1.14
20	RIC	3073	30:28	1	3.743	A BB	5005. HC	0.020	0.80

Tetrachloro Ethane #3

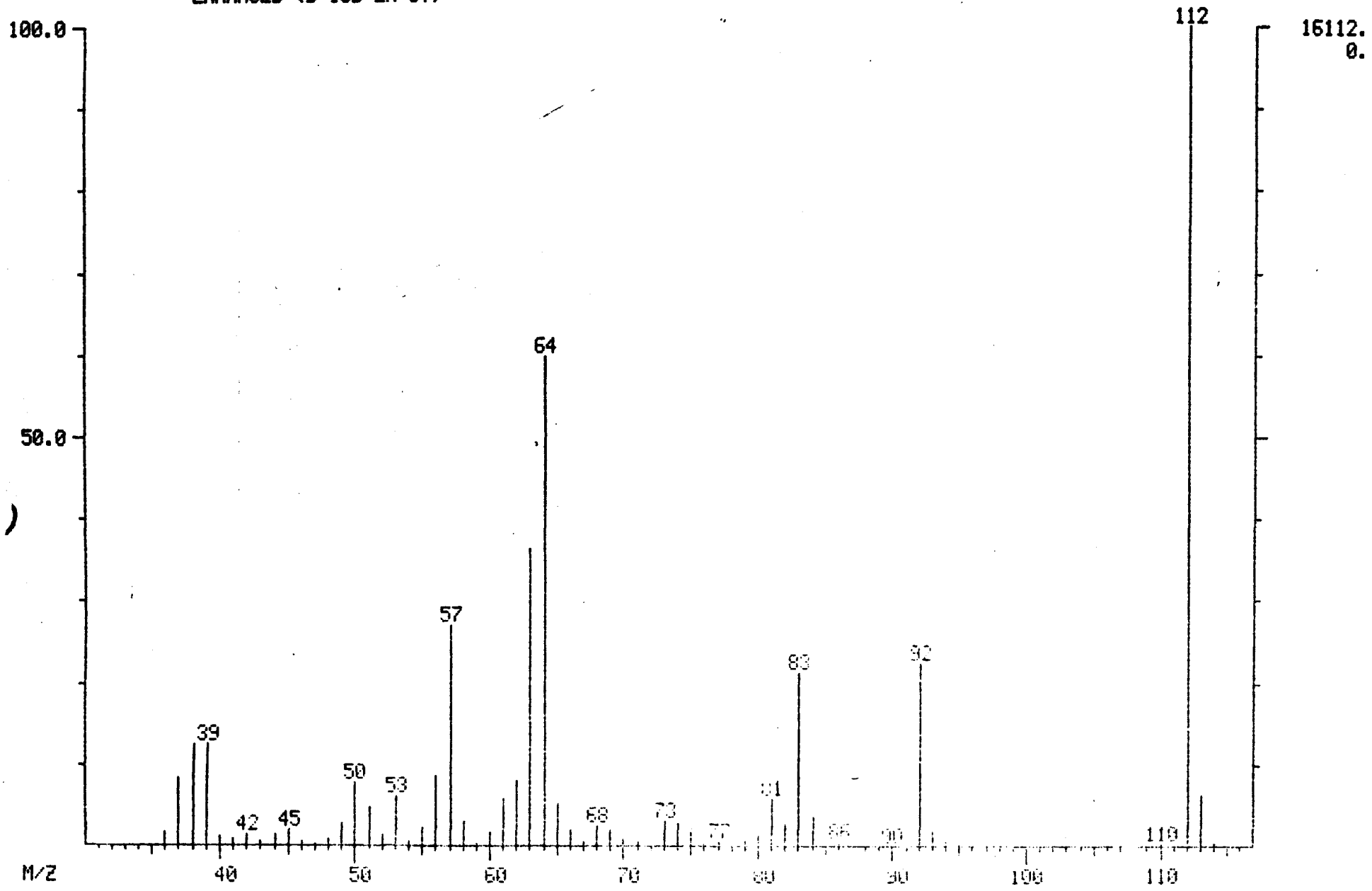
Dihydro-Methyl-Indole #10

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 13:12:00 + 8:59
SAMPLE: 90902 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: APR22GK05 #906
CALI: APR22GK05 #3

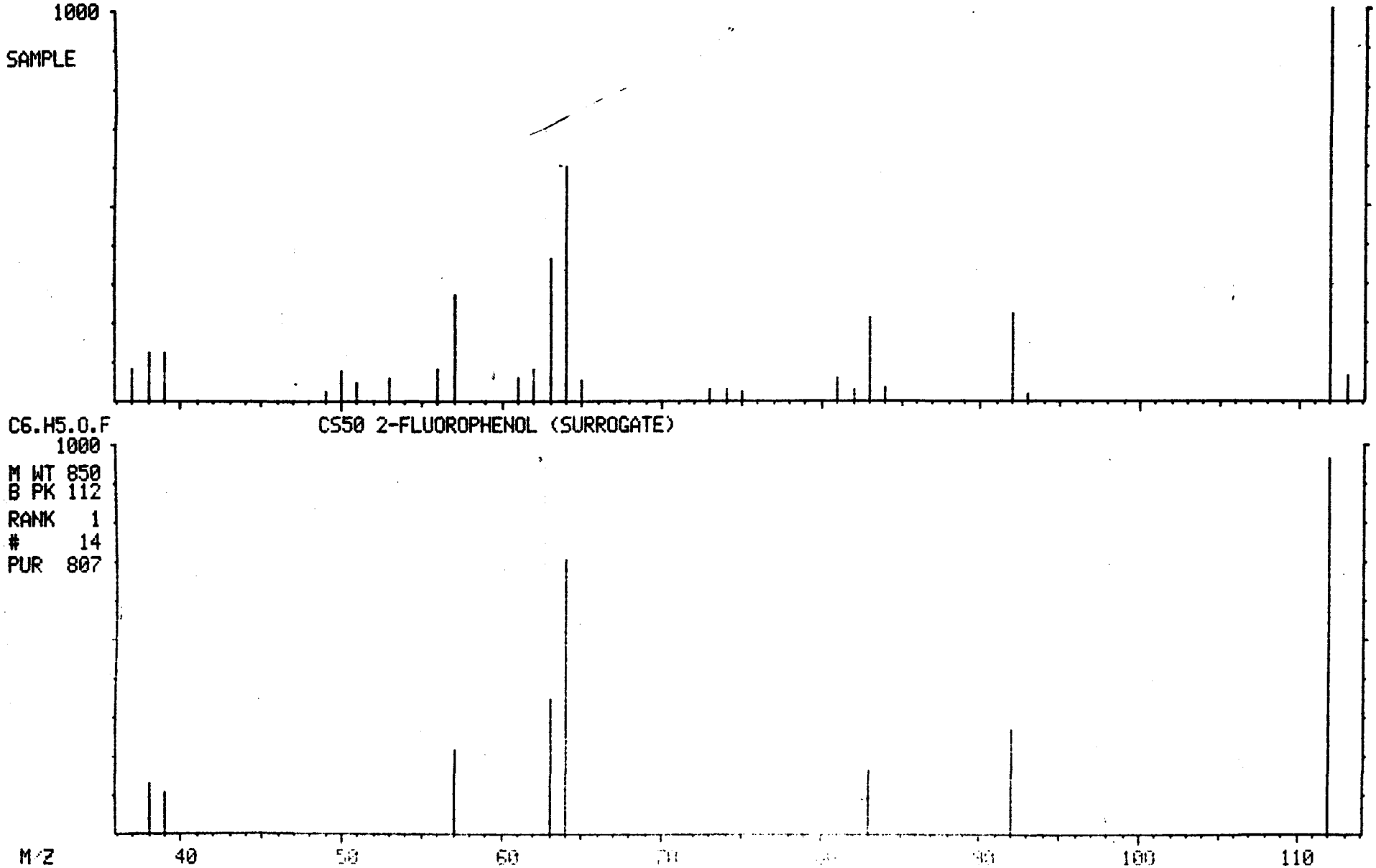
BASE M/Z: 112
RIC: 66048.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 8:59
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 # 906
CALI: APR22GK05 # 3

BASE M/Z: 112
RIC: 60928.

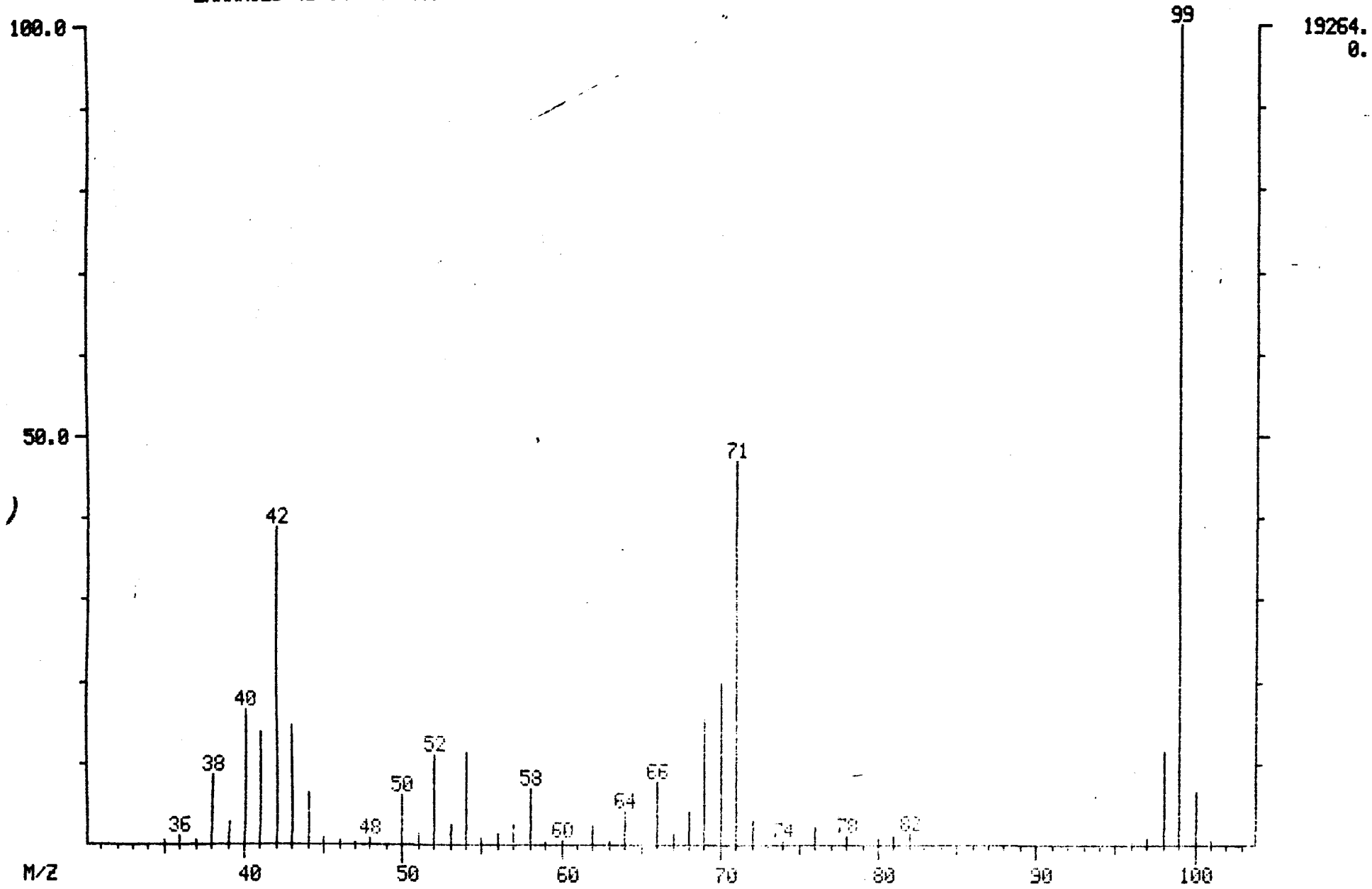


MASS SPECTRUM
04/22/91 13:12:00 + 11:07
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1122
CALI: APR22GK05 #3

BASE M/Z: 99
RIC: 74496.

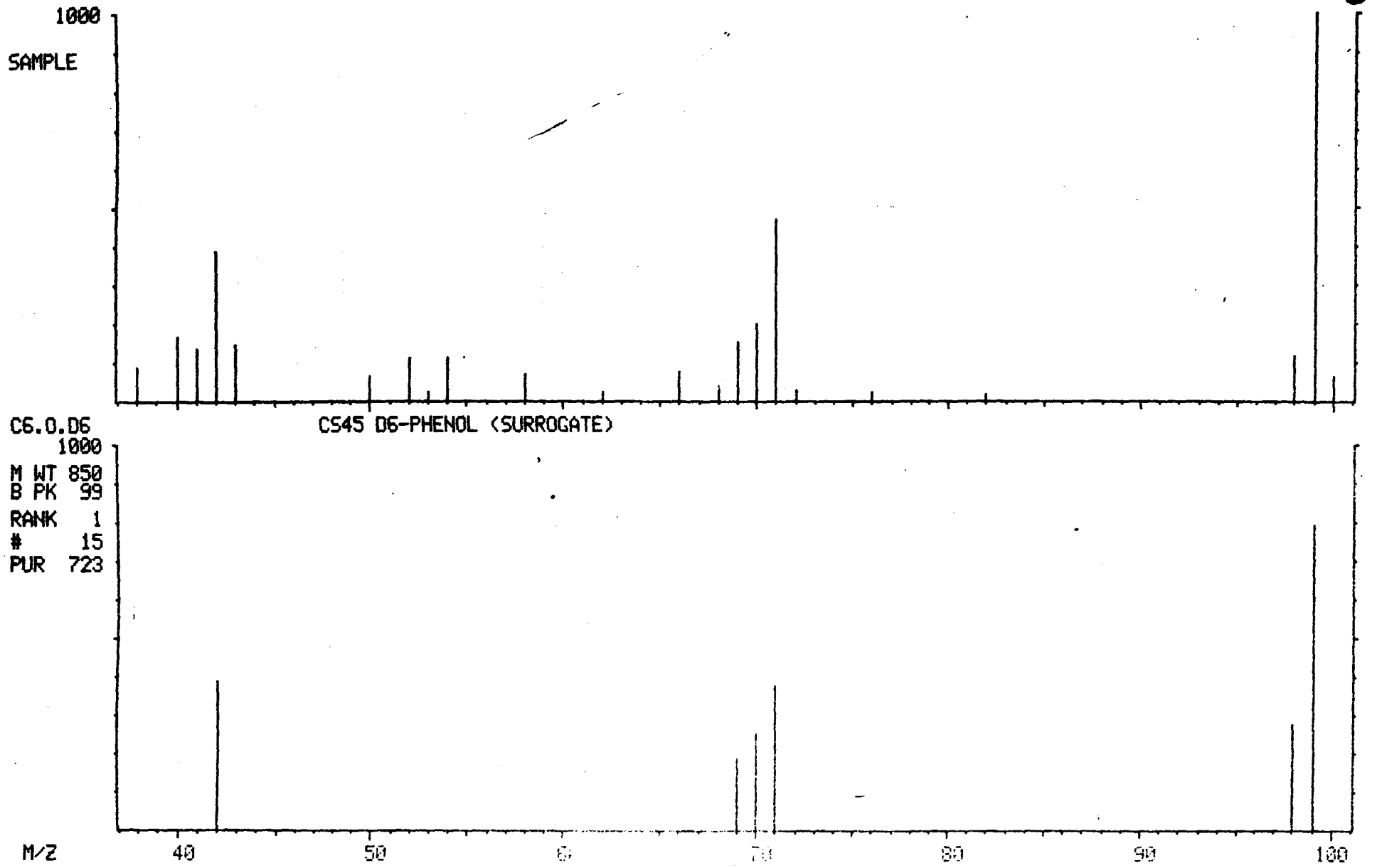
001368



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 11:07
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1122
CALI: APR22GK05 # 3

BASE M/Z: 99
RIC: 67968.



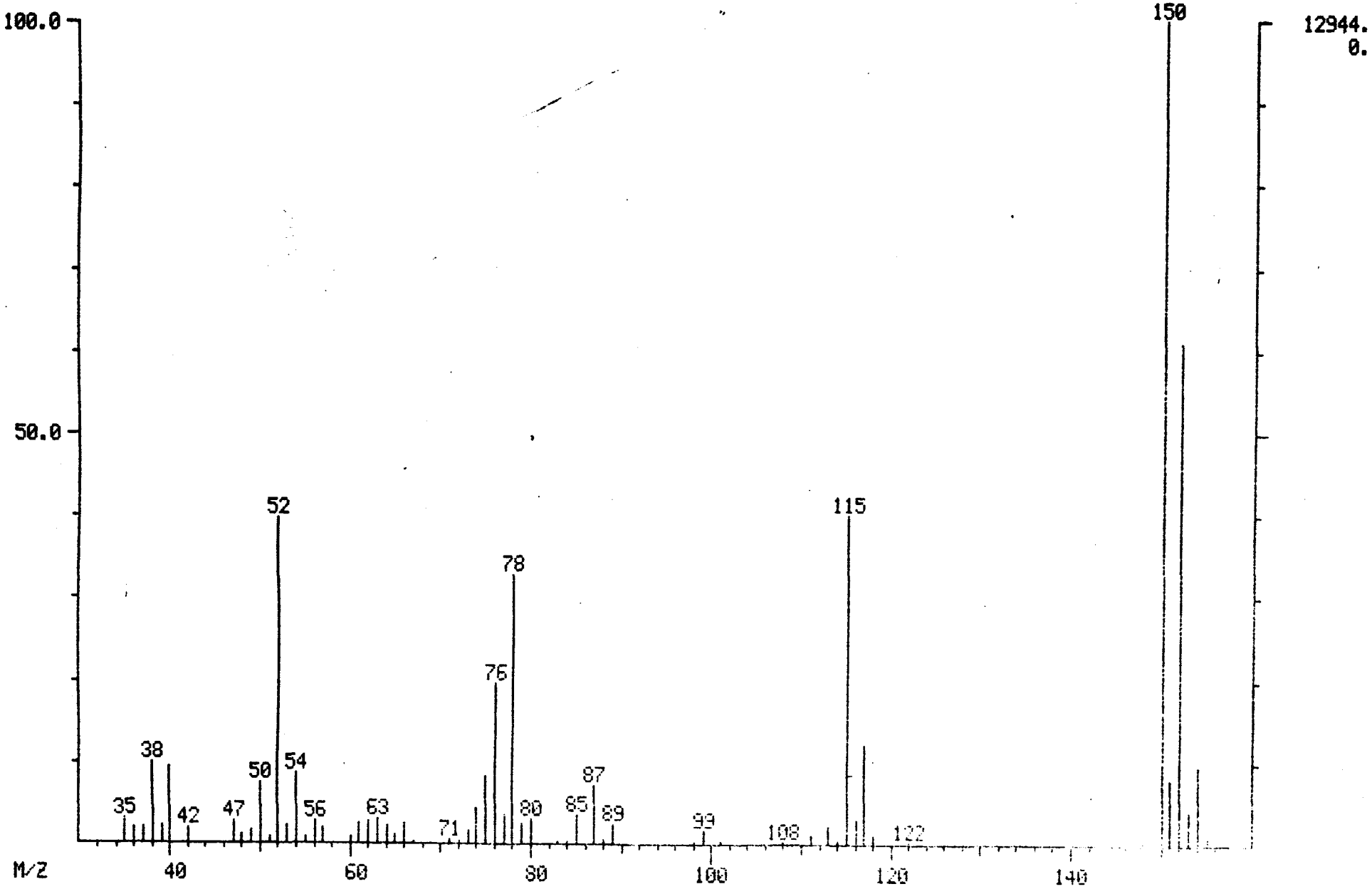
00136

MASS SPECTRUM
04/22/91 13:12:00 + 11:52
SAMPLE: 90902 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: APR22GK05 #1197
CALI: APR22GK05 #3

BASE M/Z: 150
RIC: 59072.

001370

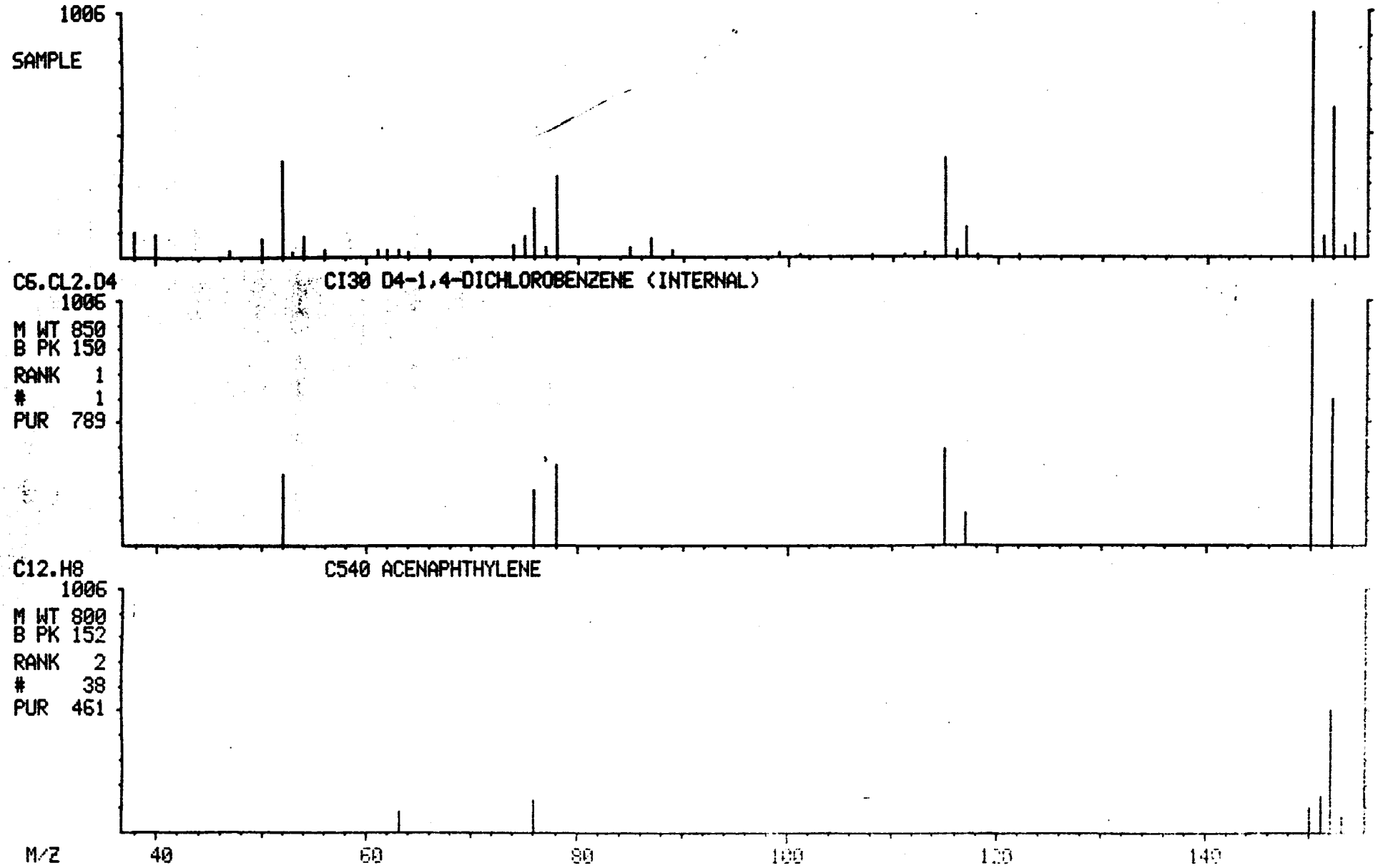


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 11:52
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1197
CALI: APR22GK05 # 3

BASE M/Z: 150
RIC: 54848.

001371

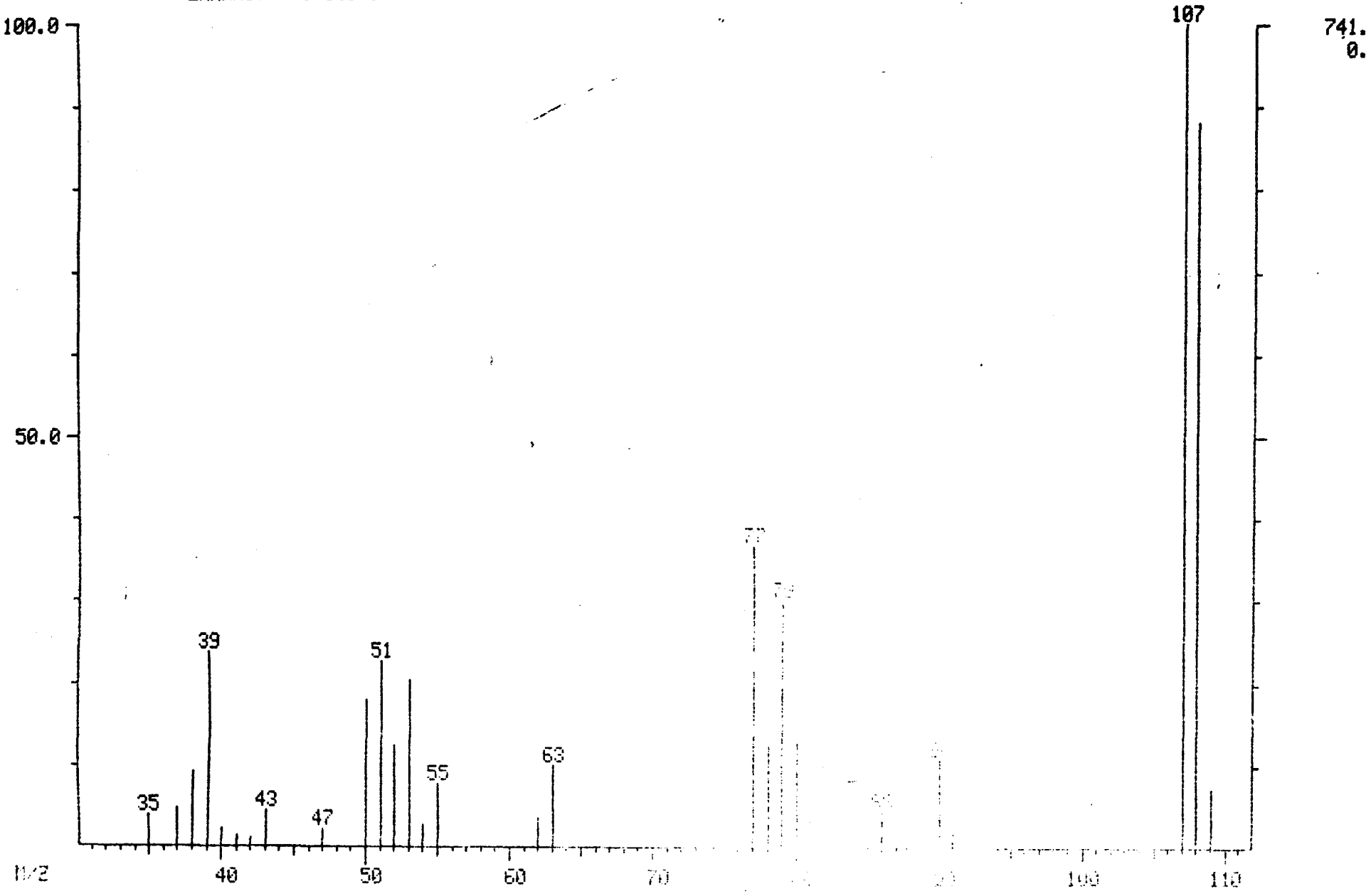


MASS SPECTRUM
04/22/91 13:12:00 + 12:54
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 129 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1302
CALI: APR22GK05 #3

BASE M/Z: 107
RIC: 3428.

001372

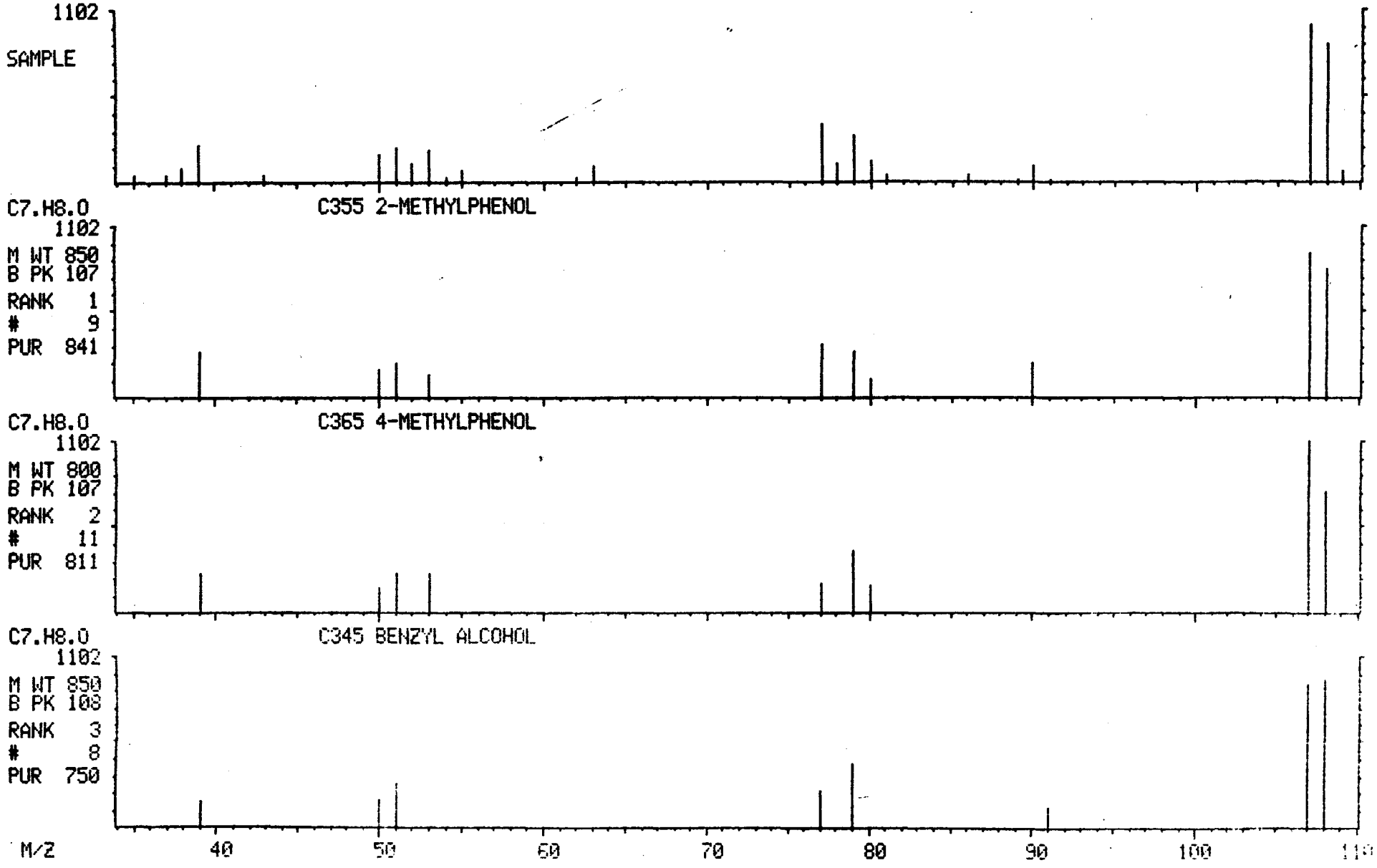


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 12:54
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1302
CALI: APR22GK05 # 3

BASE M/Z: 107
RIC: 3364.

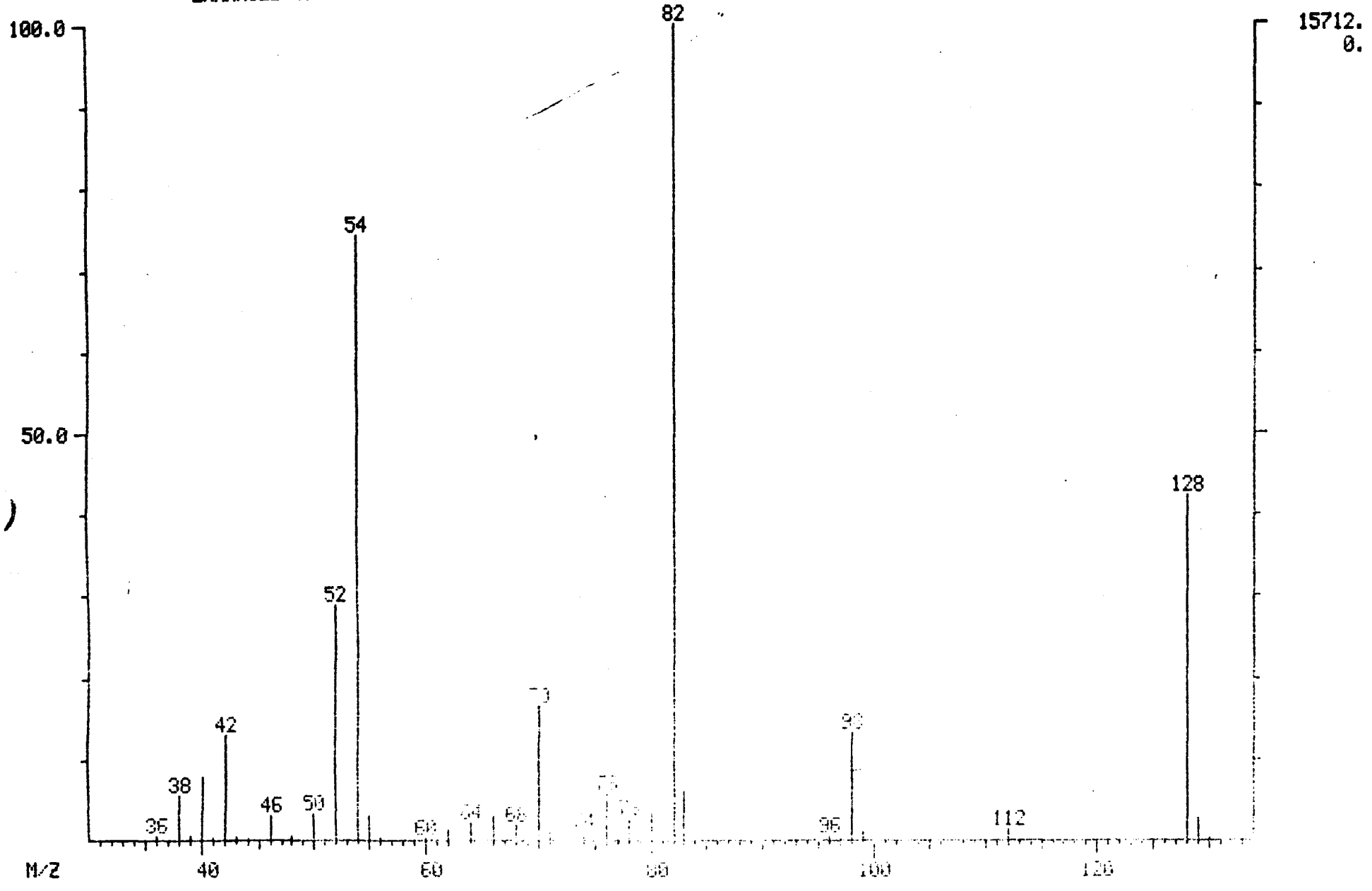
001373



MASS SPECTRUM
04/22/91 13:12:00 + 13:16
SAMPLE: 90902 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: APR22GK05 #1338
CALI: APR22GK05 #3

BASE M/Z: 82
RIC: 55104.



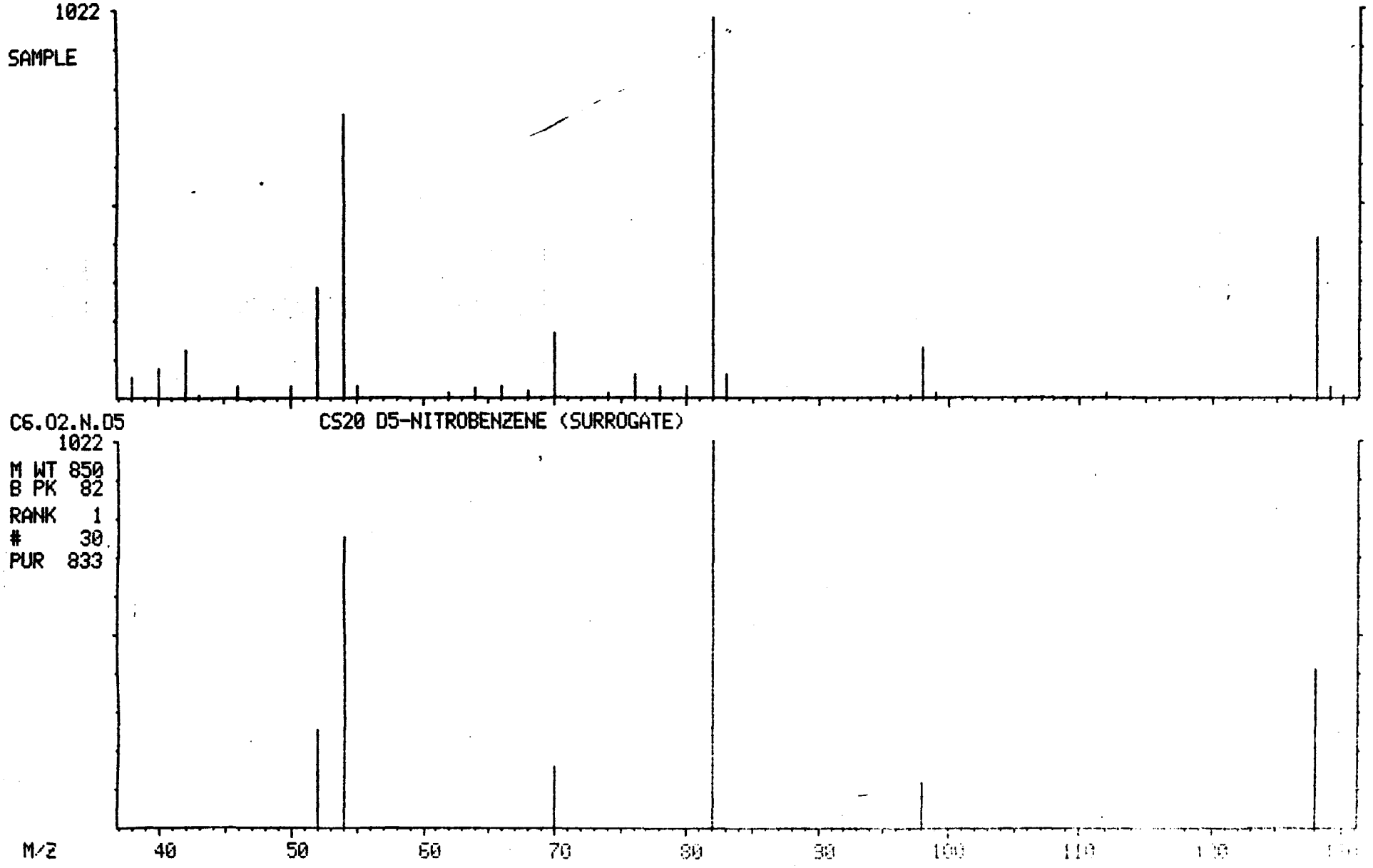
00134

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 13:16
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1338
CALI: APR22GK05 # 3

BASE M/Z: 82
RIC: 54336.

001375

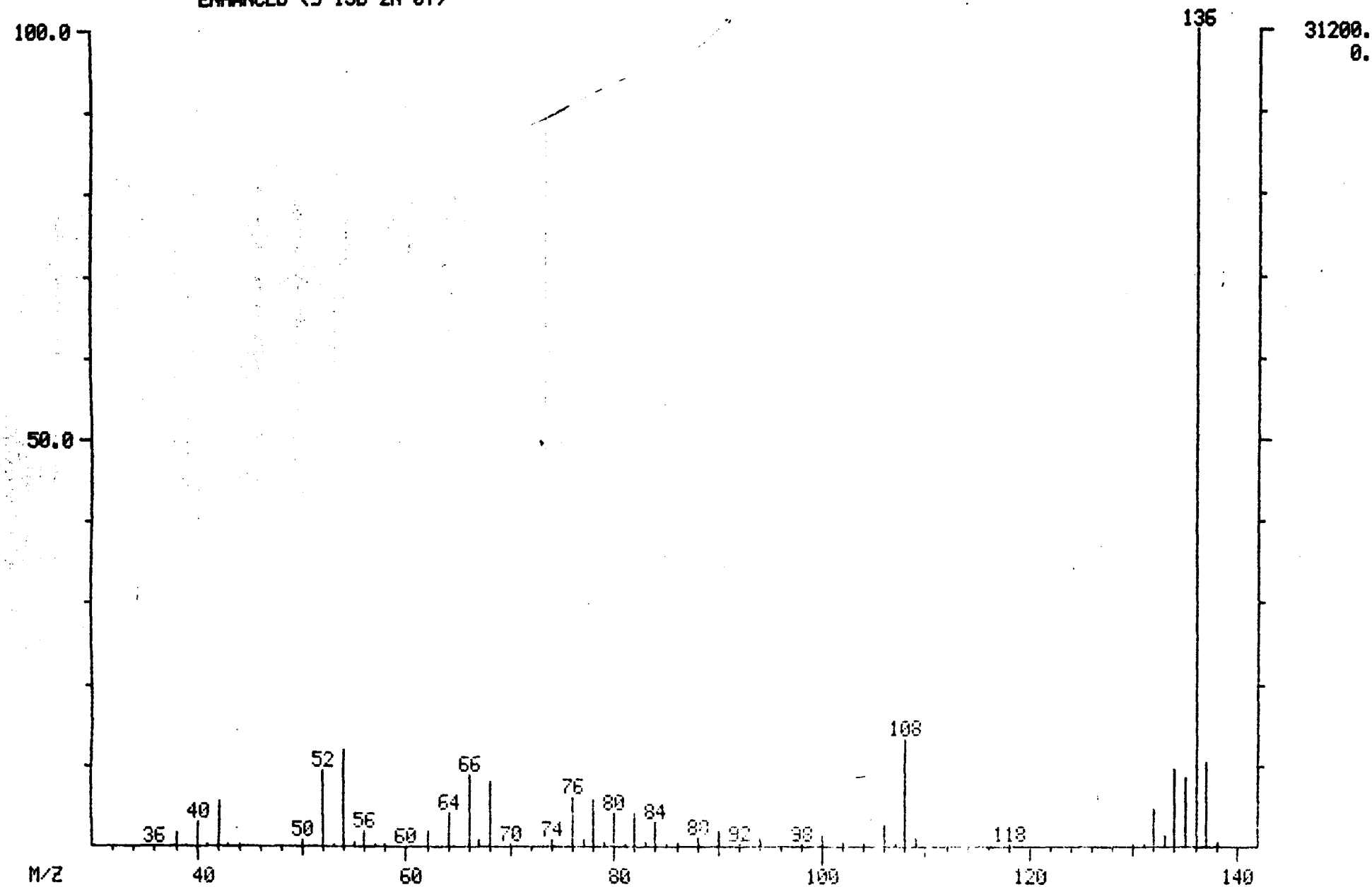


001376

MASS SPECTRUM
04/22/91 13:12:00 + 15:02
SAMPLE: 90902 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: APR22GK05 #1517
CALI: APR22GK05 #3

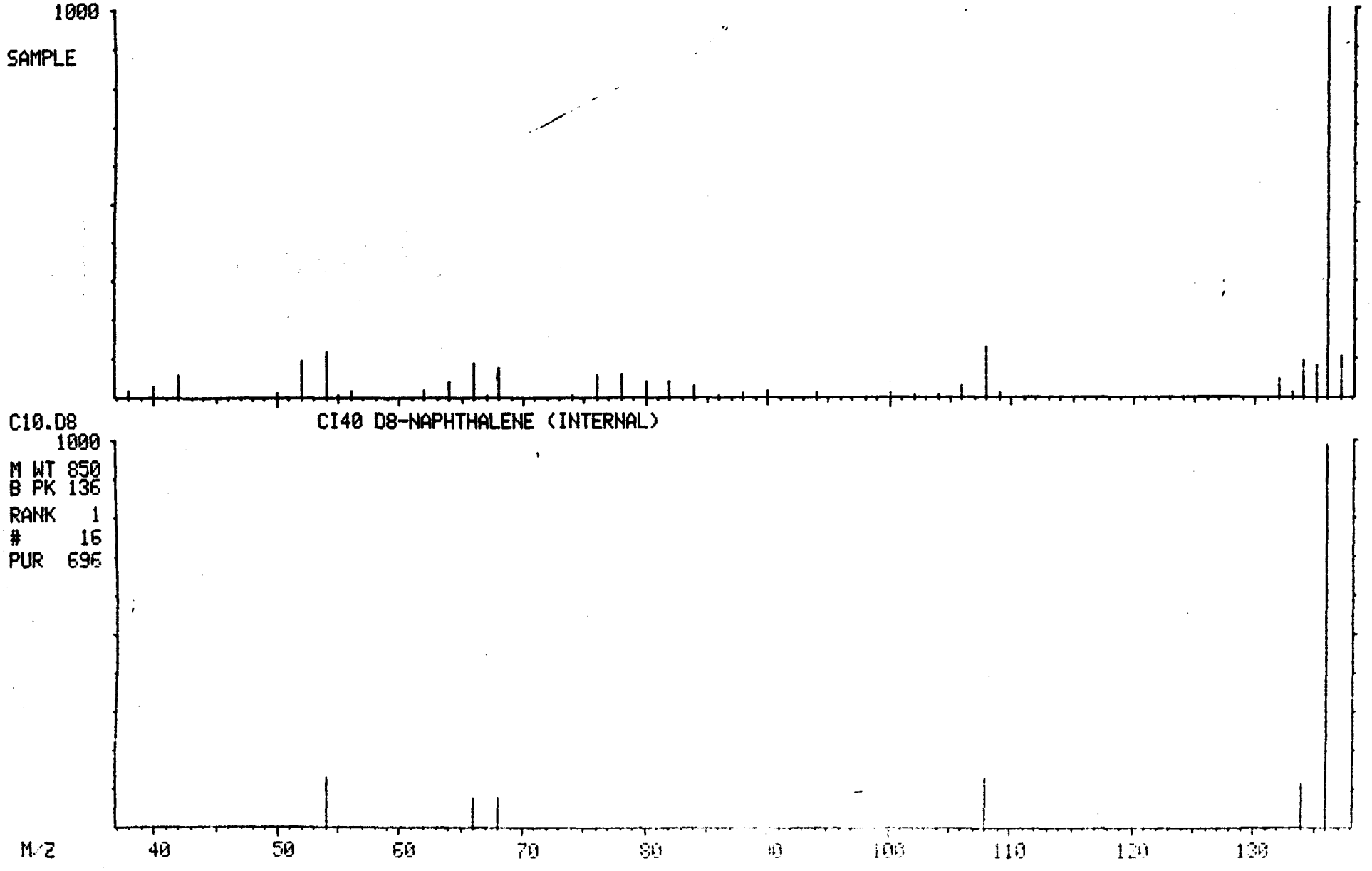
BASE M/Z: 136
RIC: 77440.



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 15:02
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1517
CALI: APR22GK05 # 3

BASE M/Z: 136
RIC: 75136.

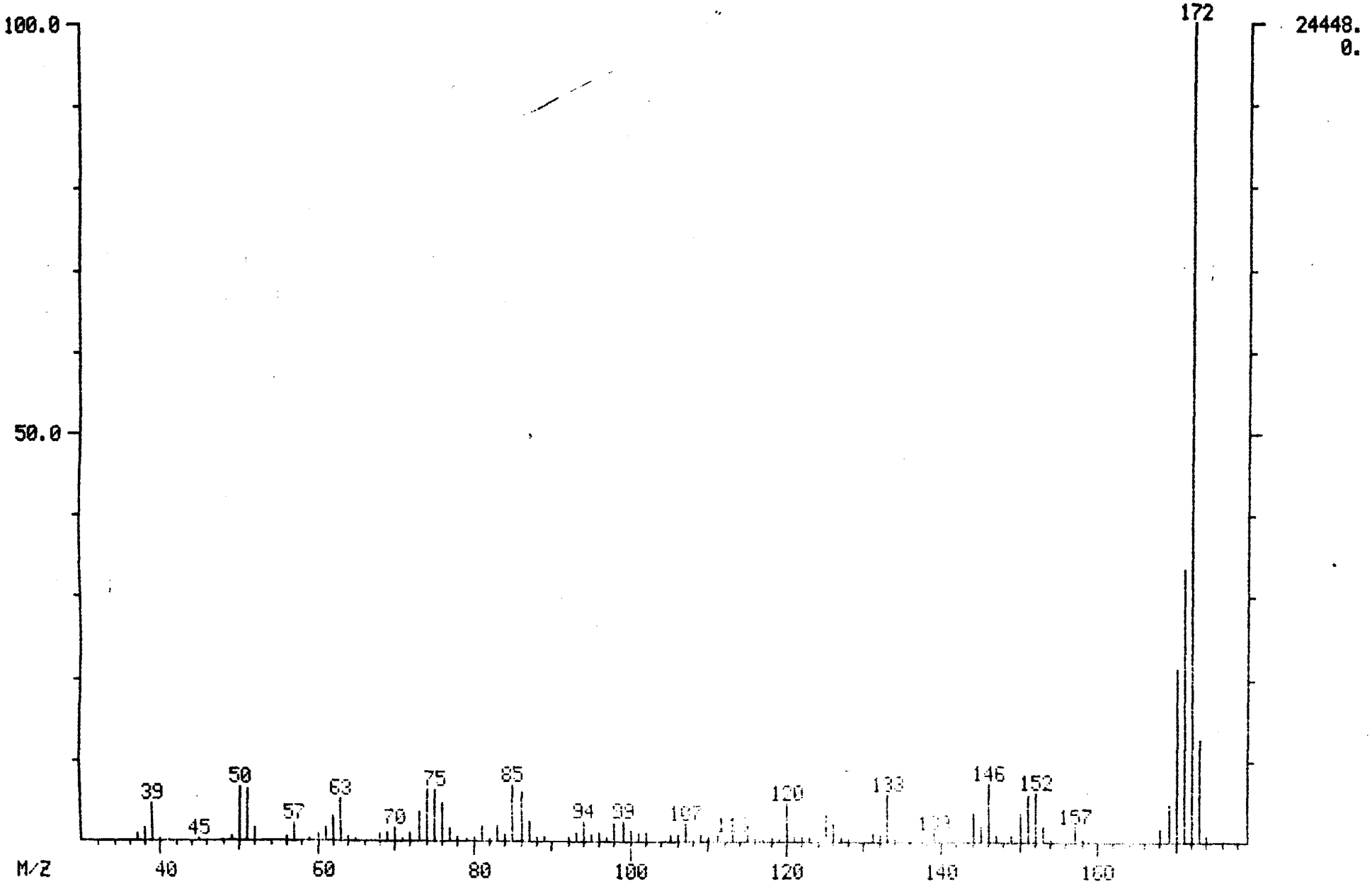


MASS SPECTRUM
04/22/91 13:12:00 + 17:50
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1799
CALI: APR22GK05 #3

BASE M/Z: 172
RIC: 84480.

001378

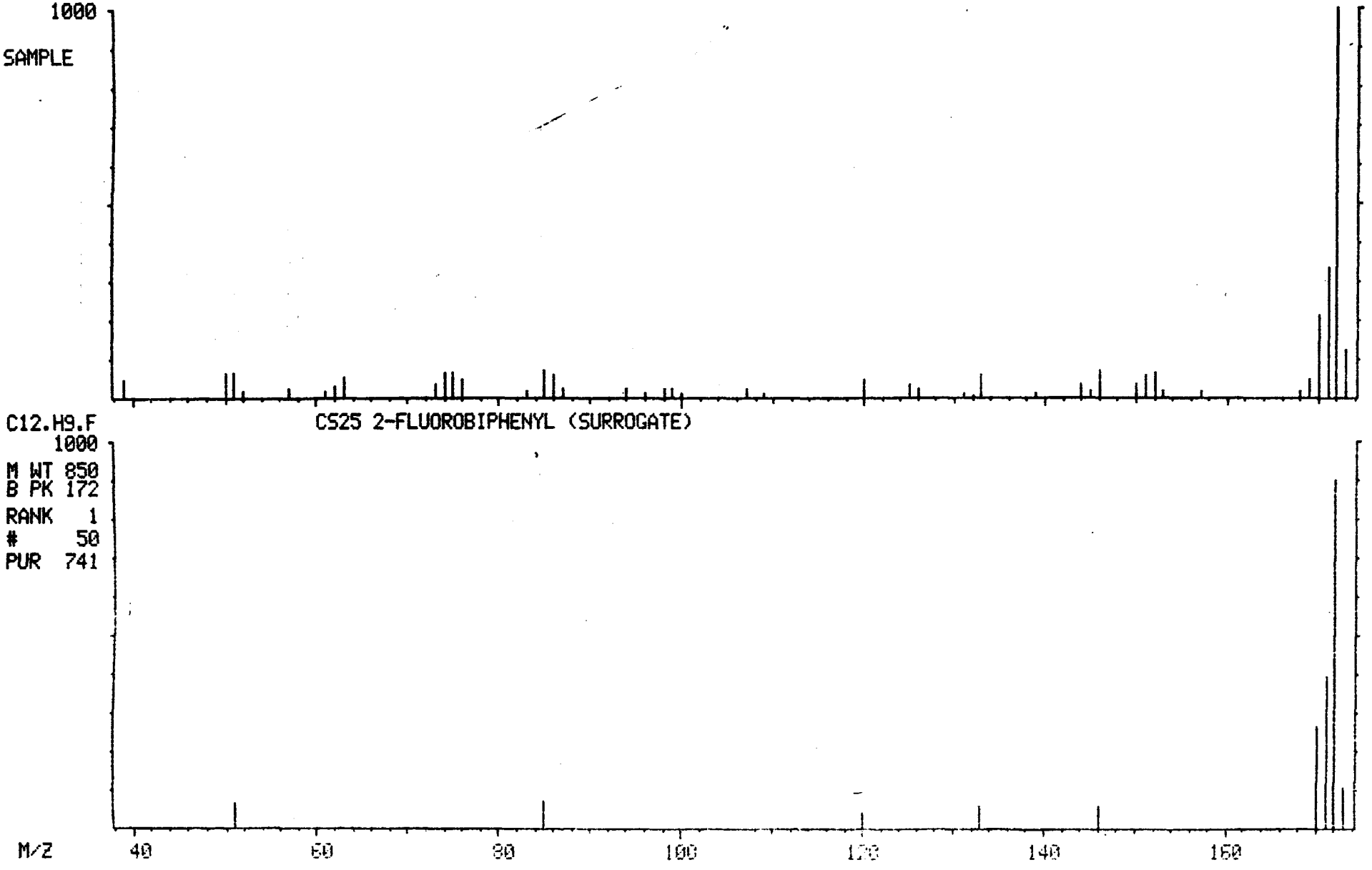


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 17:50
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1799
CALI: APR22GK05 # 3

BASE M/Z: 172
RIC: 75392.

001379

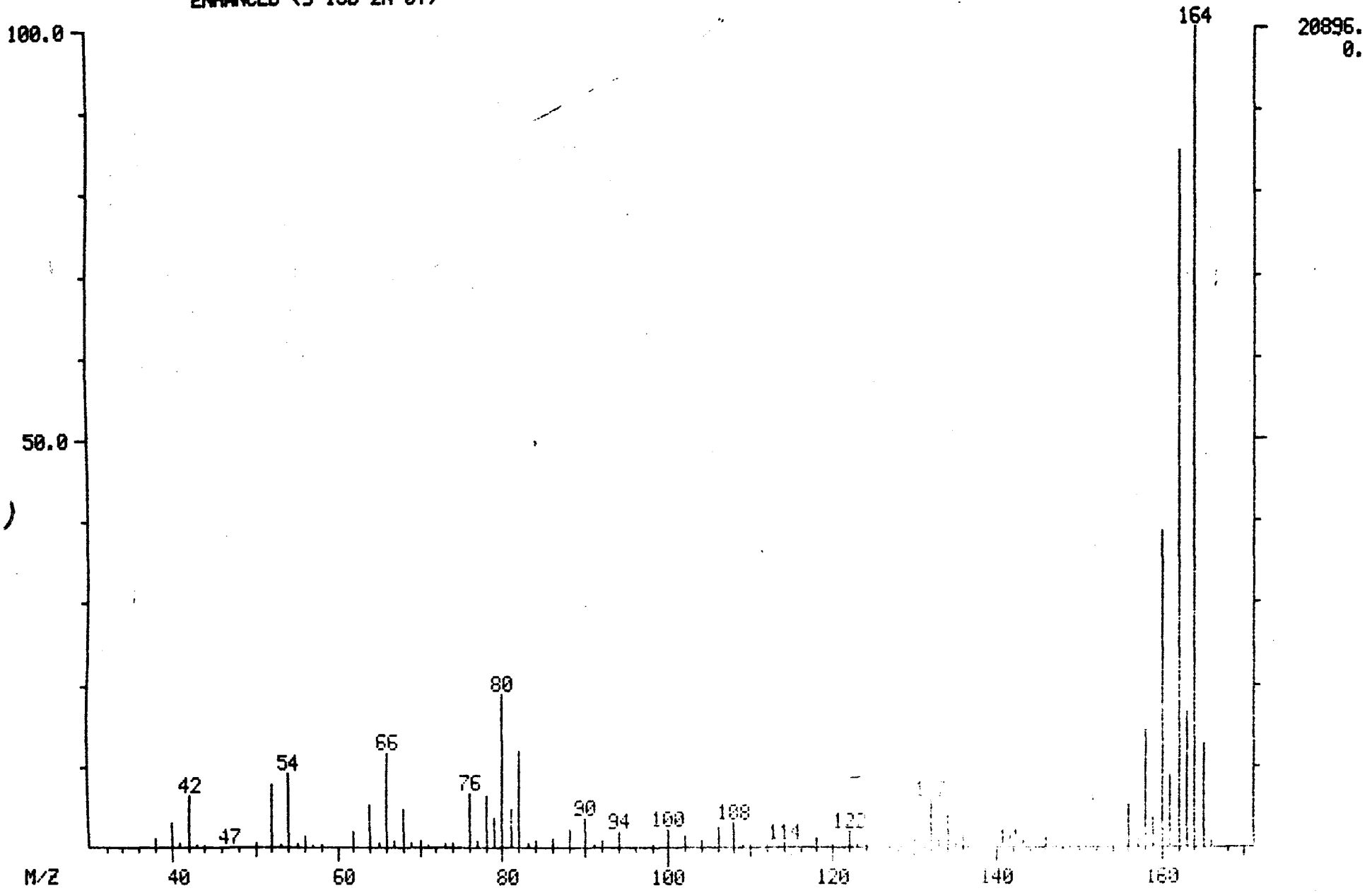


MASS SPECTRUM
04/22/91 13:12:00 + 19:36
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1977
CALI: APR22GK05 #3

BASE M/Z: 164
RIC: 92416.

001380

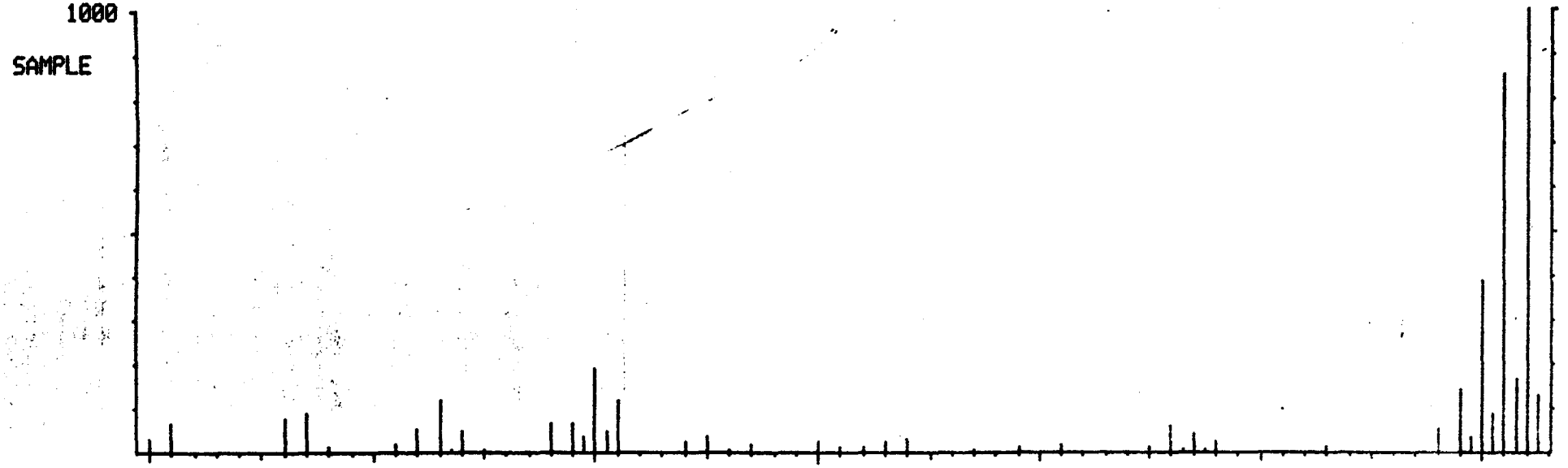


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 19:36
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

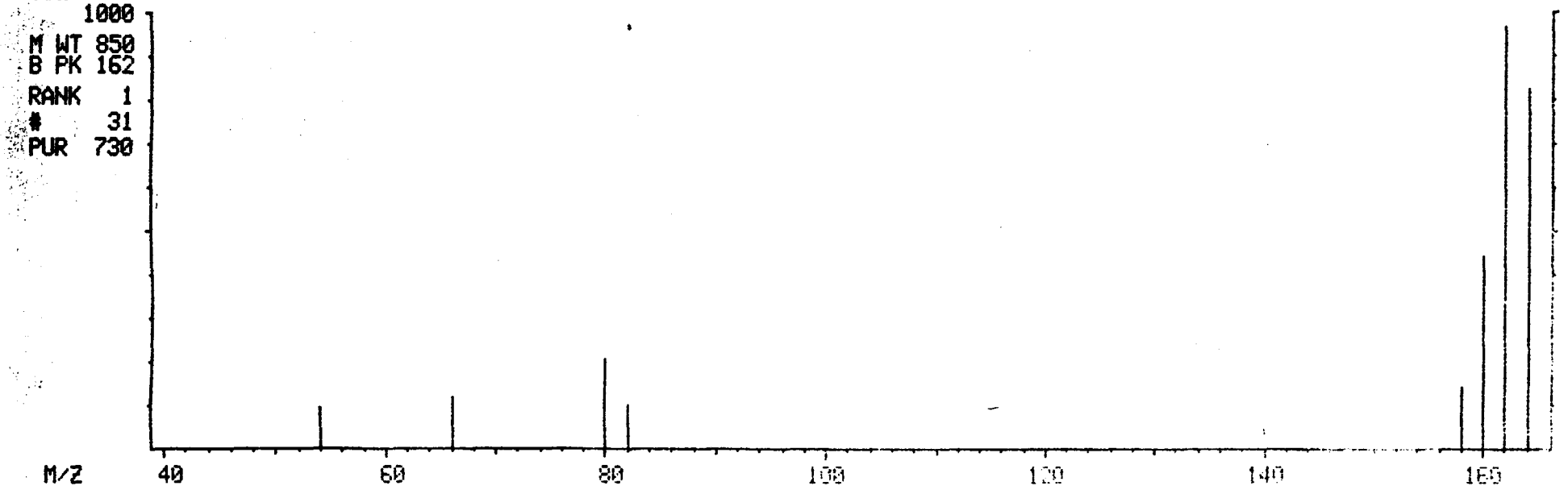
DATA: APR22GK05 #1977
CALI: APR22GK05 # 3

BASE M/Z: 164
RIC: 89216.

001381



C12.D10 CI50 D10-ACENAPHTHENE (INTERNAL)

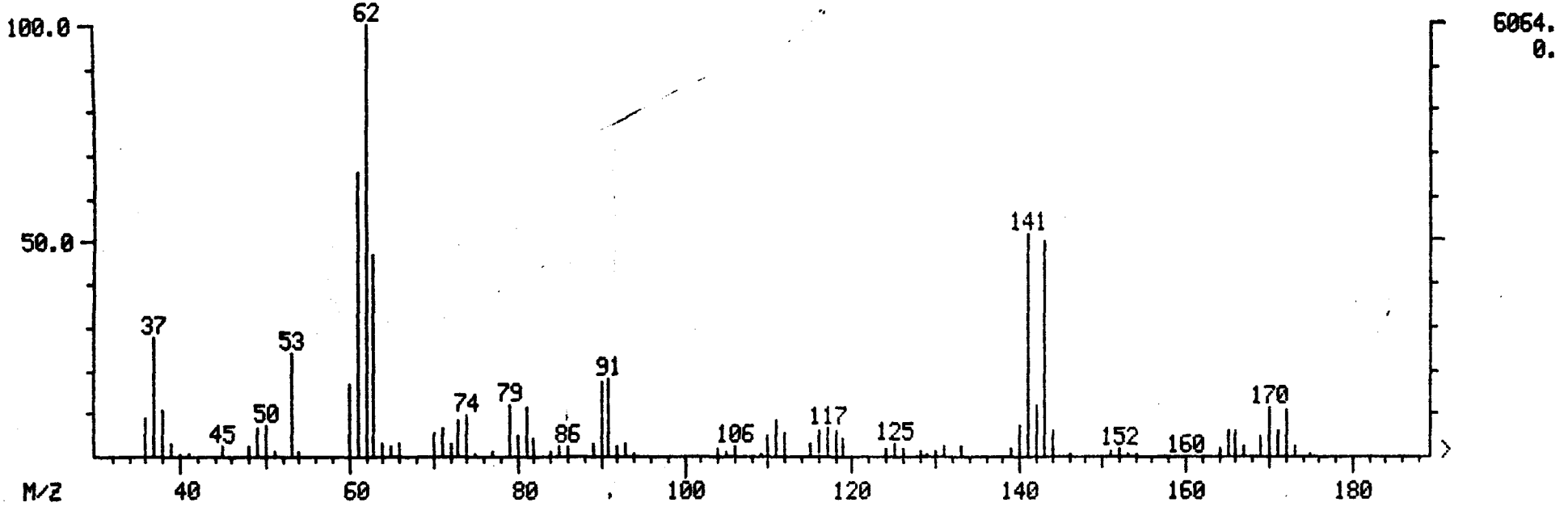


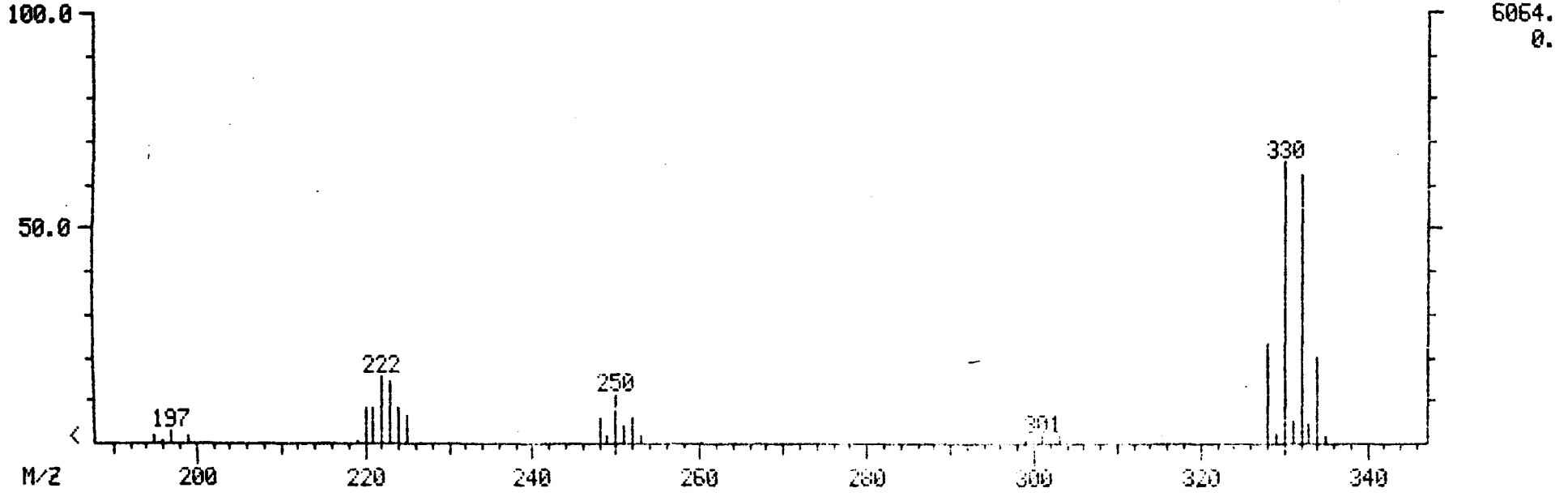
001382

MASS SPECTRUM
04/22/91 13:12:00 + 21:39
SAMPLE: 90902 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: APR22GK05 #2185
CALI: APR22GK05 #3

BASE M/Z: 62
RIC: 60416.



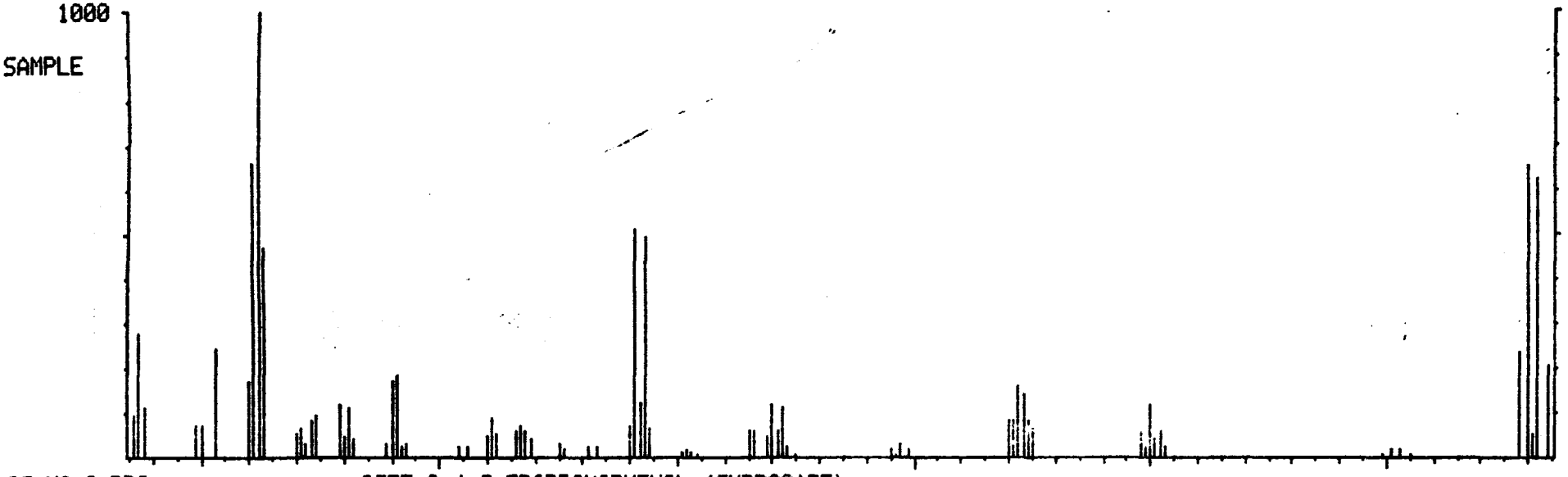


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 21:39
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

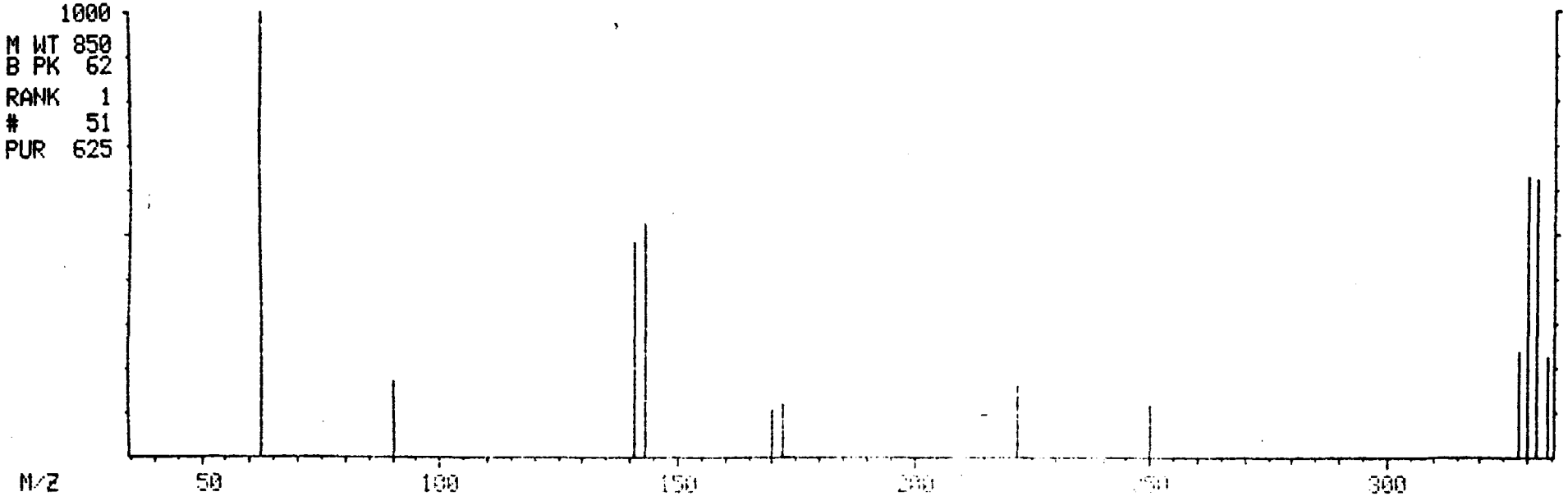
DATA: APR22GK05 #2185
CALI: APR22GK05 # 3

BASE M/Z: 62
RIC: 56960.

001363



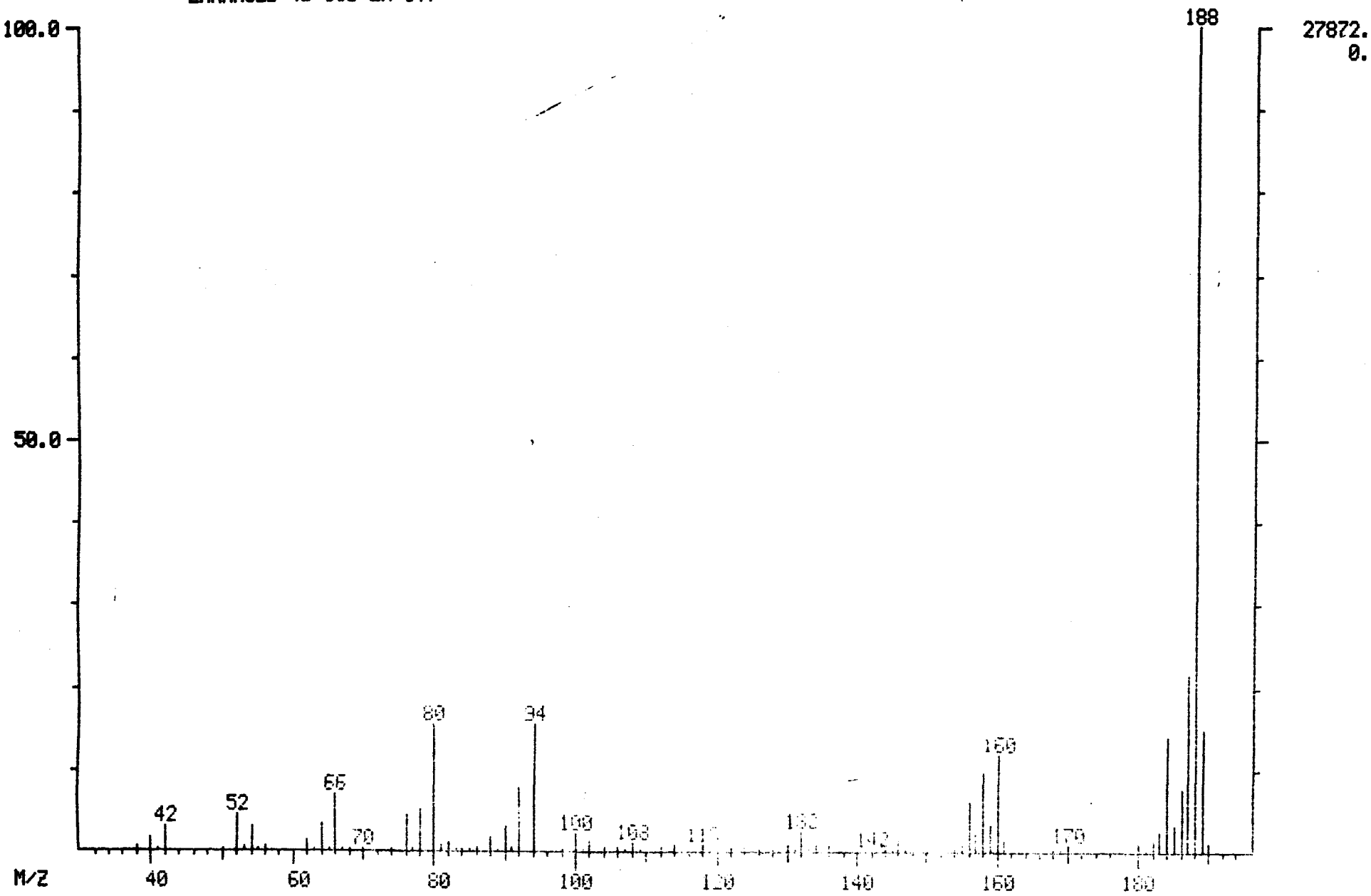
C6.H3.O.BR3 CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)



MASS SPECTRUM
04/22/91 13:12:00 + 23:26
SAMPLE: 90902 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: APR22GK05 #2364
CALI: APR22GK05 #3

BASE M/Z: 188
RIC: 87296.

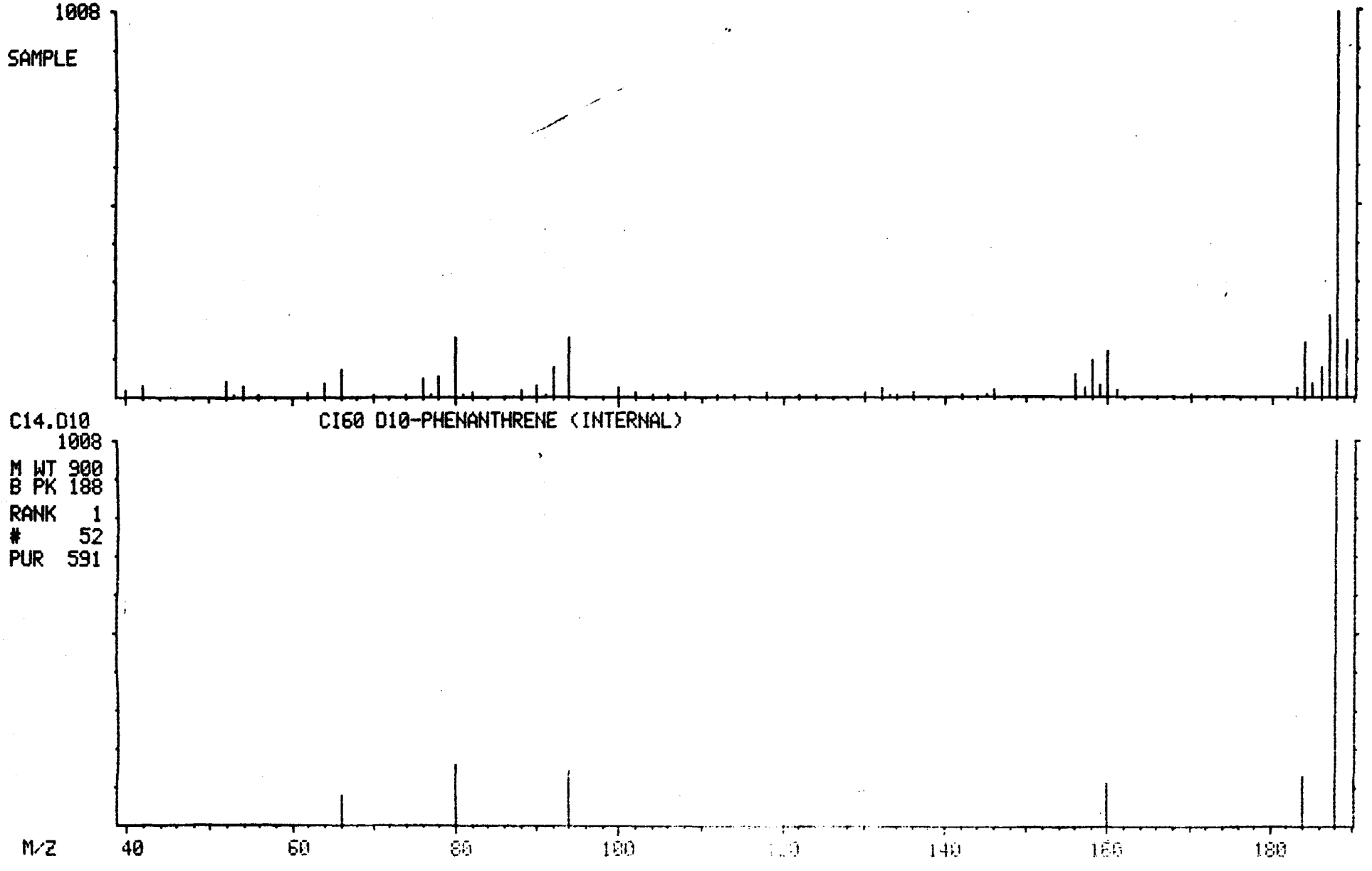


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 23:26
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2364
CALI: APR22GK05 # 3

BASE M/Z: 188
RIC: 83200.

001385

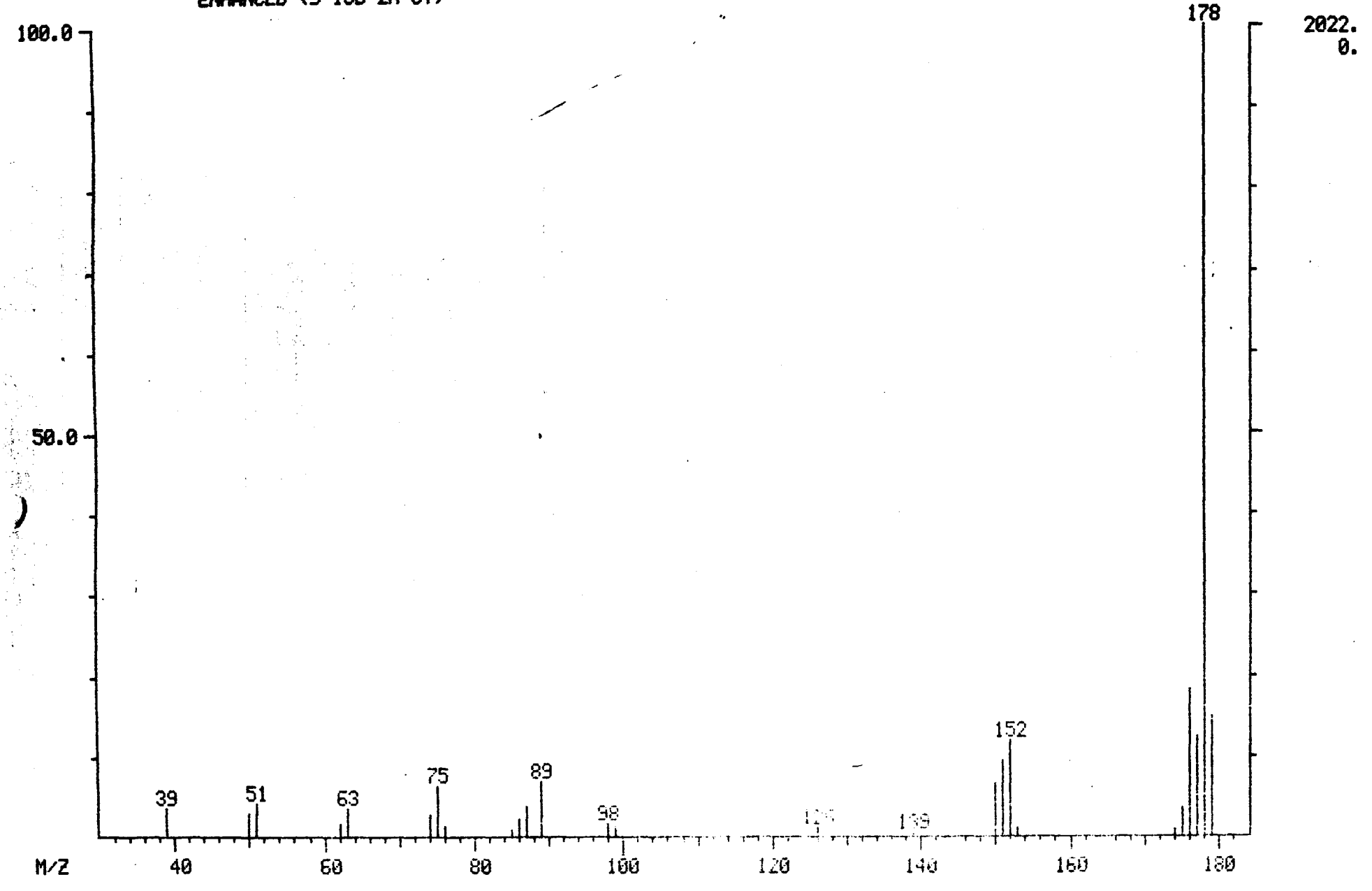


MASS SPECTRUM
04/22/91 13:12:00 + 23:29
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (5 15B 2N 0T)

DATA: APR22GK05 #2370
CALI: APR22GK05 #3

BASE M/Z: 178
RIC: 4528.

001386

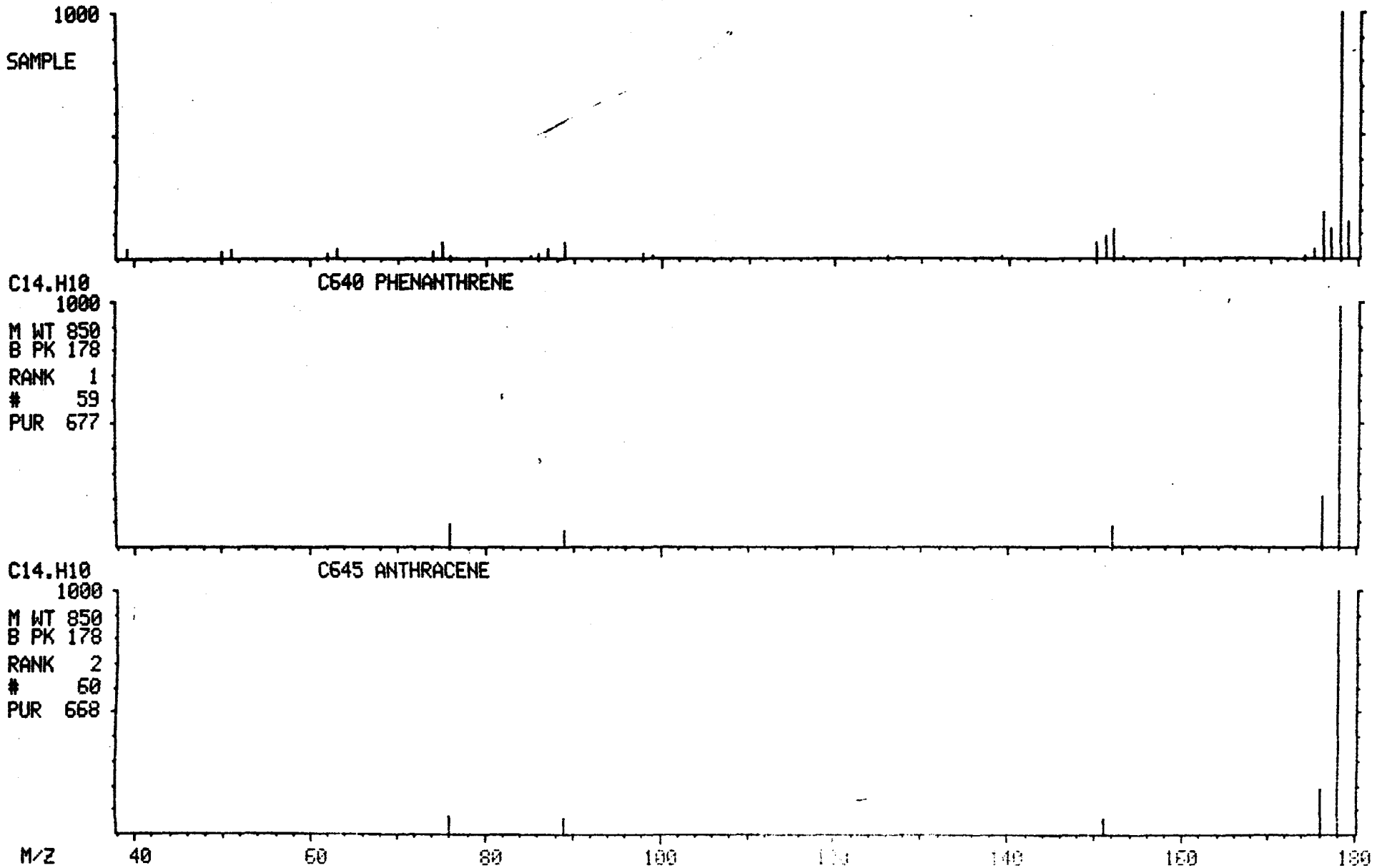


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 23:29
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2370
CALI: APR22GK05 # 3

BASE M/Z: 178
RIC: 4528.

001357

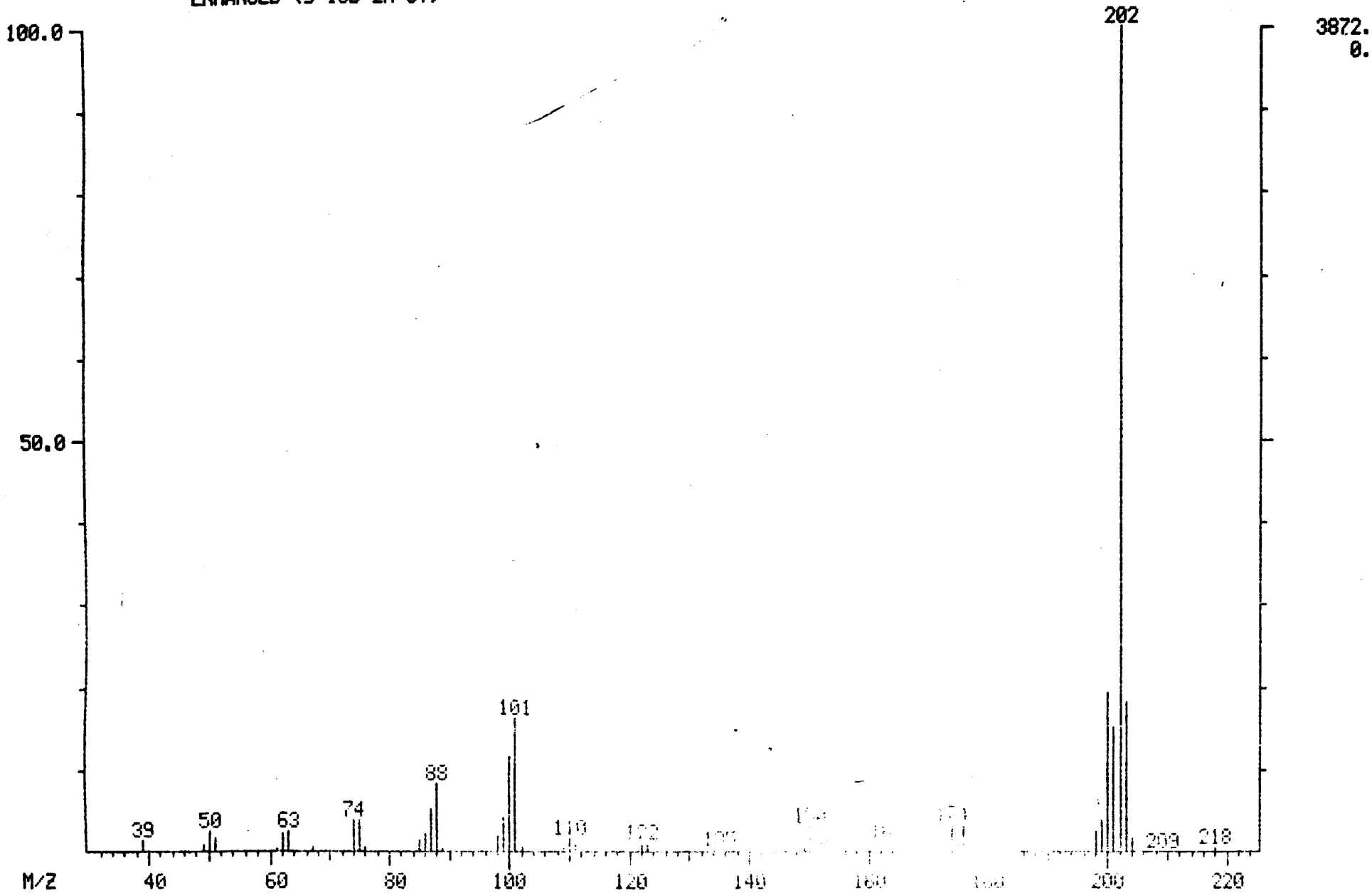


MASS SPECTRUM
04/22/91 13:12:00 + 26:38
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 268 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2687
CALI: APR22GK05 #3

BASE M/Z: 202
RIC: 9984.

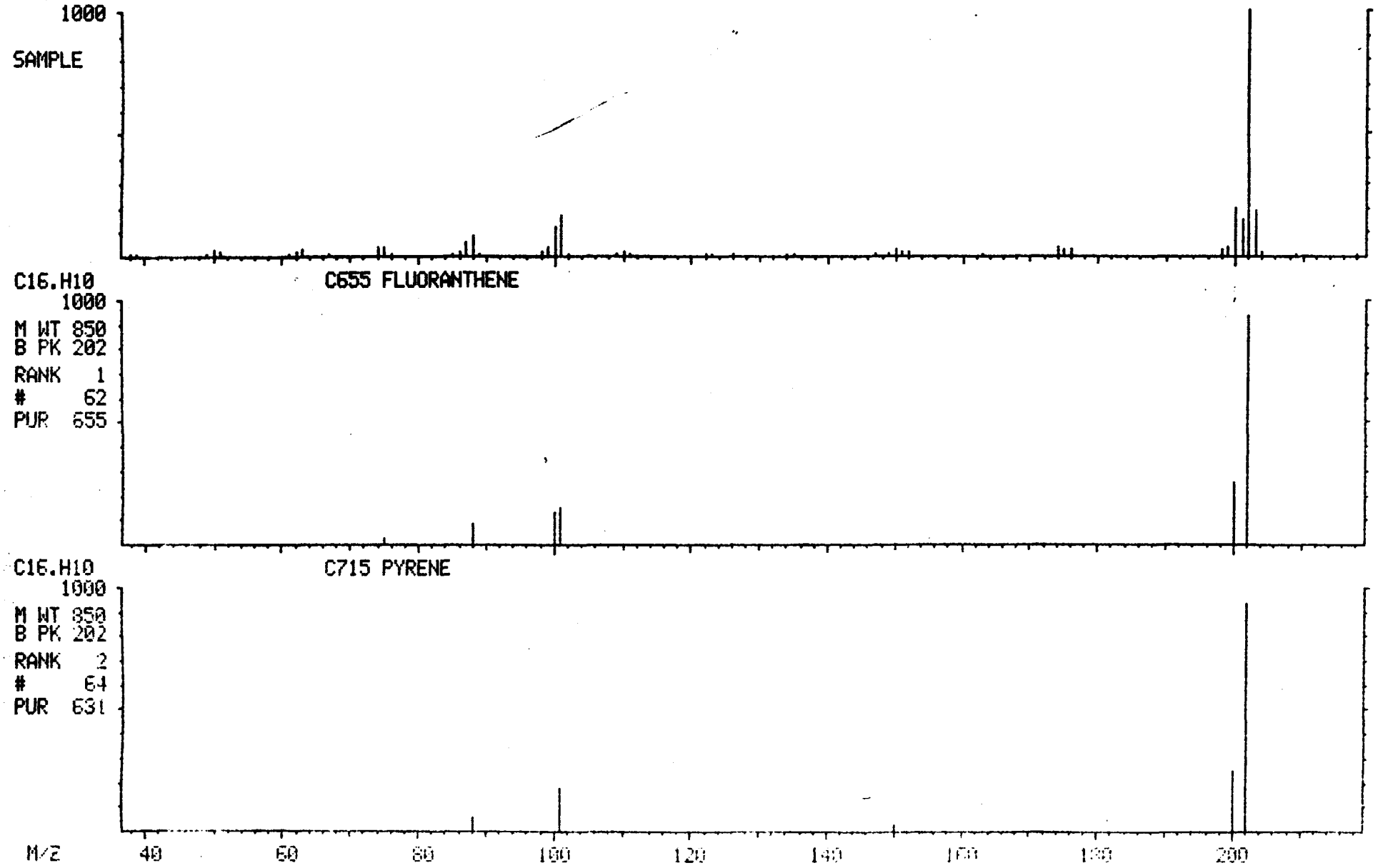
001358



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 26:38
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2687
CALI: APR22GK05 # 3

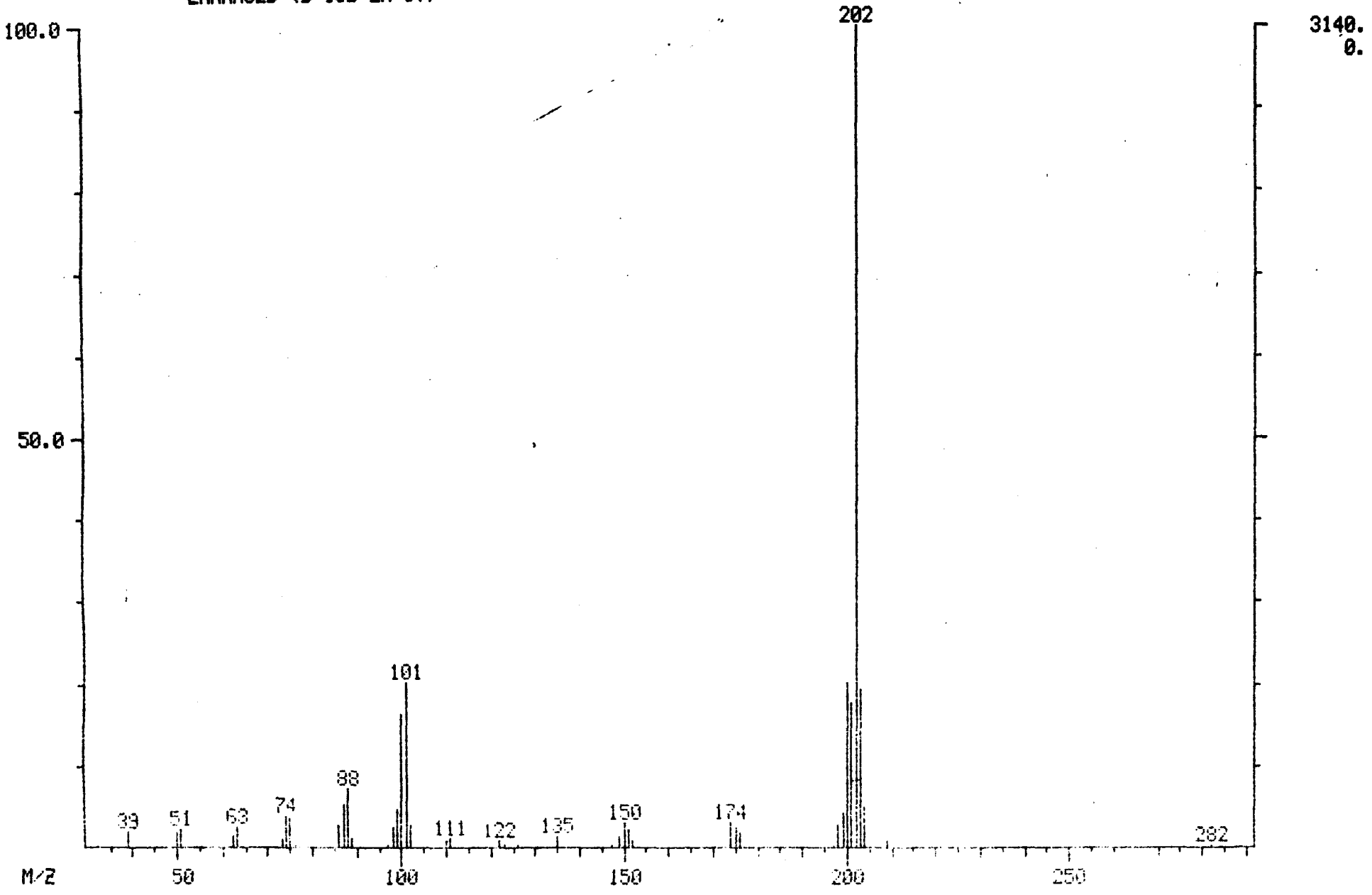
BASE M/Z: 202
RIC: 9984.



MASS SPECTRUM
04/22/91 13:12:00 + 27:14
SAMPLE: 90902 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: APR22GK05 #2748
CALI: APR22GK05 #3

BASE M/Z: 202
RIC: 8560.



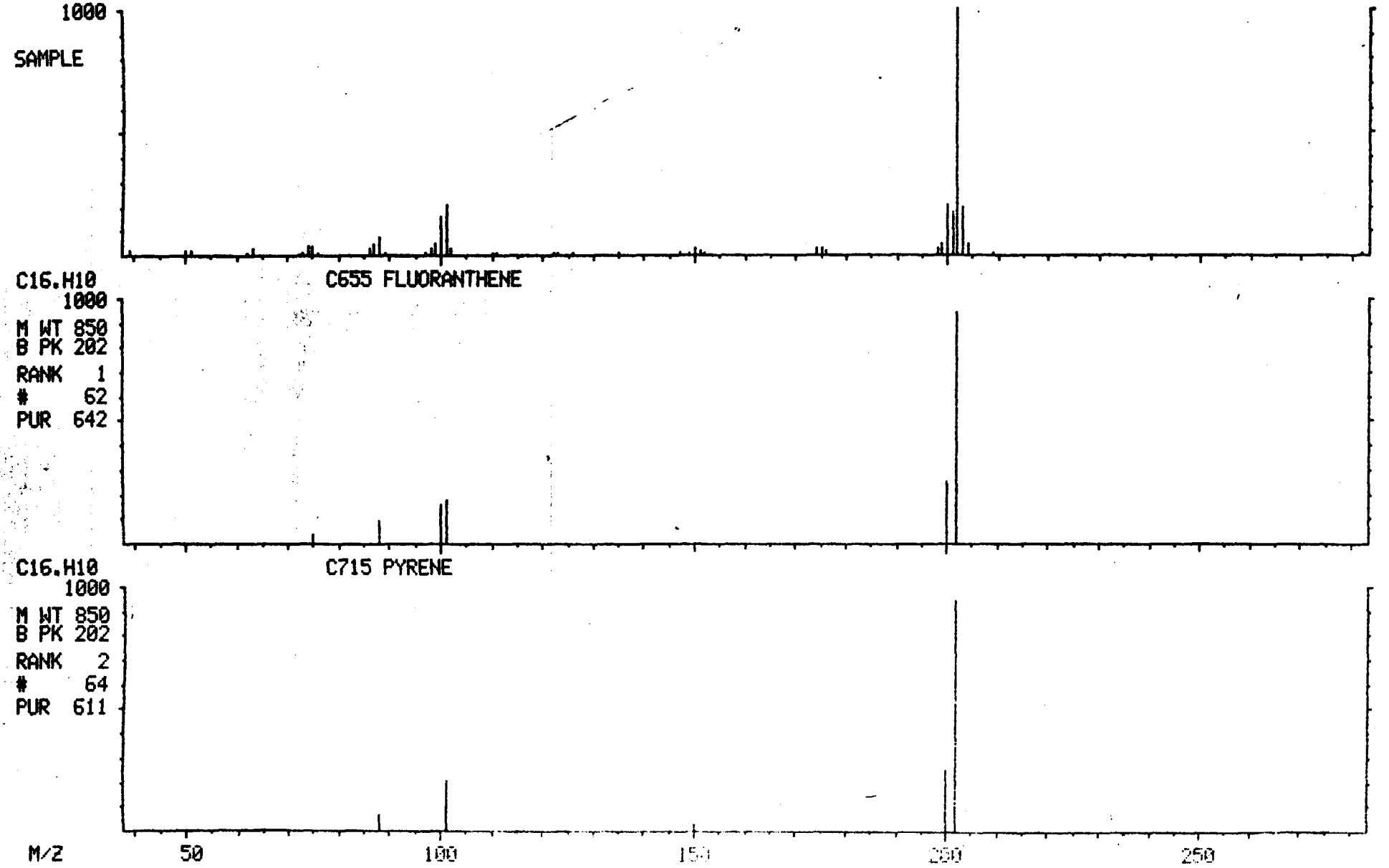
001390

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 27:14
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2748
CALI: APR22GK05 # 3

BASE M/Z: 202
RIC: 8544.

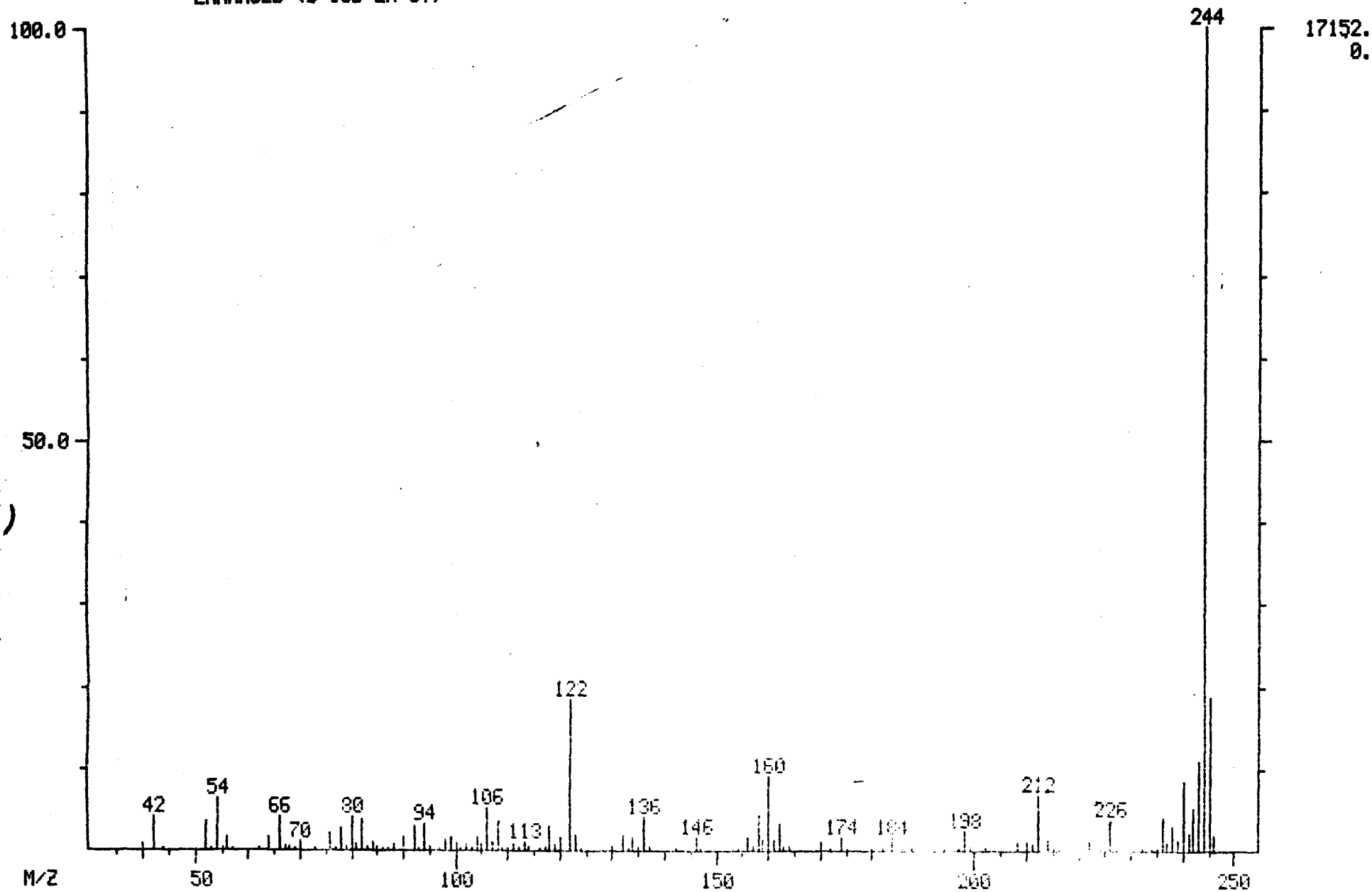
001391



MASS SPECTRUM
04/22/91 13:12:00 + 27:37
SAMPLE: 90902 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: APR22GK05 #2786
CALI: APR22GK05 #3

BASE M/Z: 244
RIC: 56384.

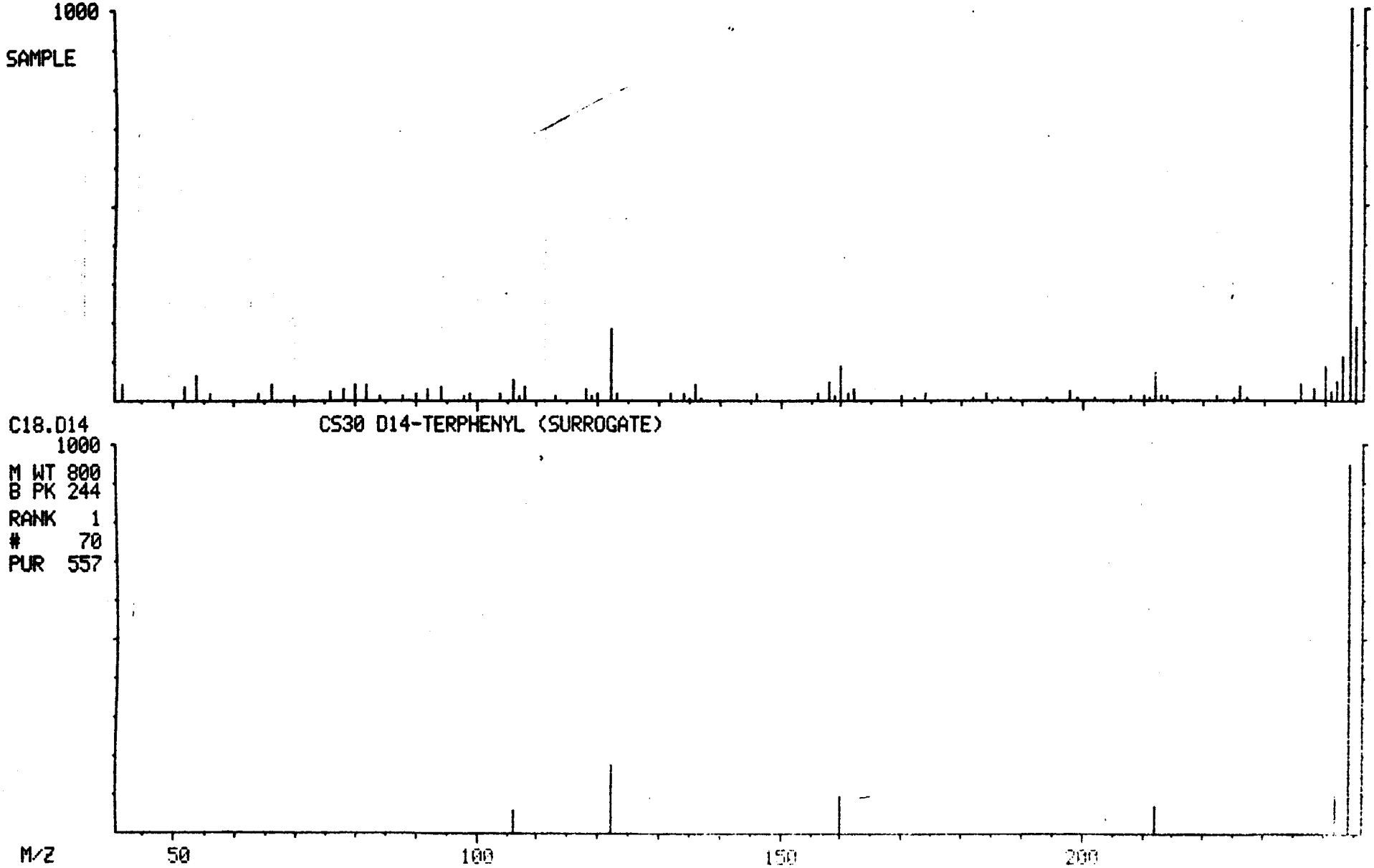


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 27:37
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2786
CALI: APR22GK05 # 3

BASE M/Z: 244
RIC: 51712.

001393

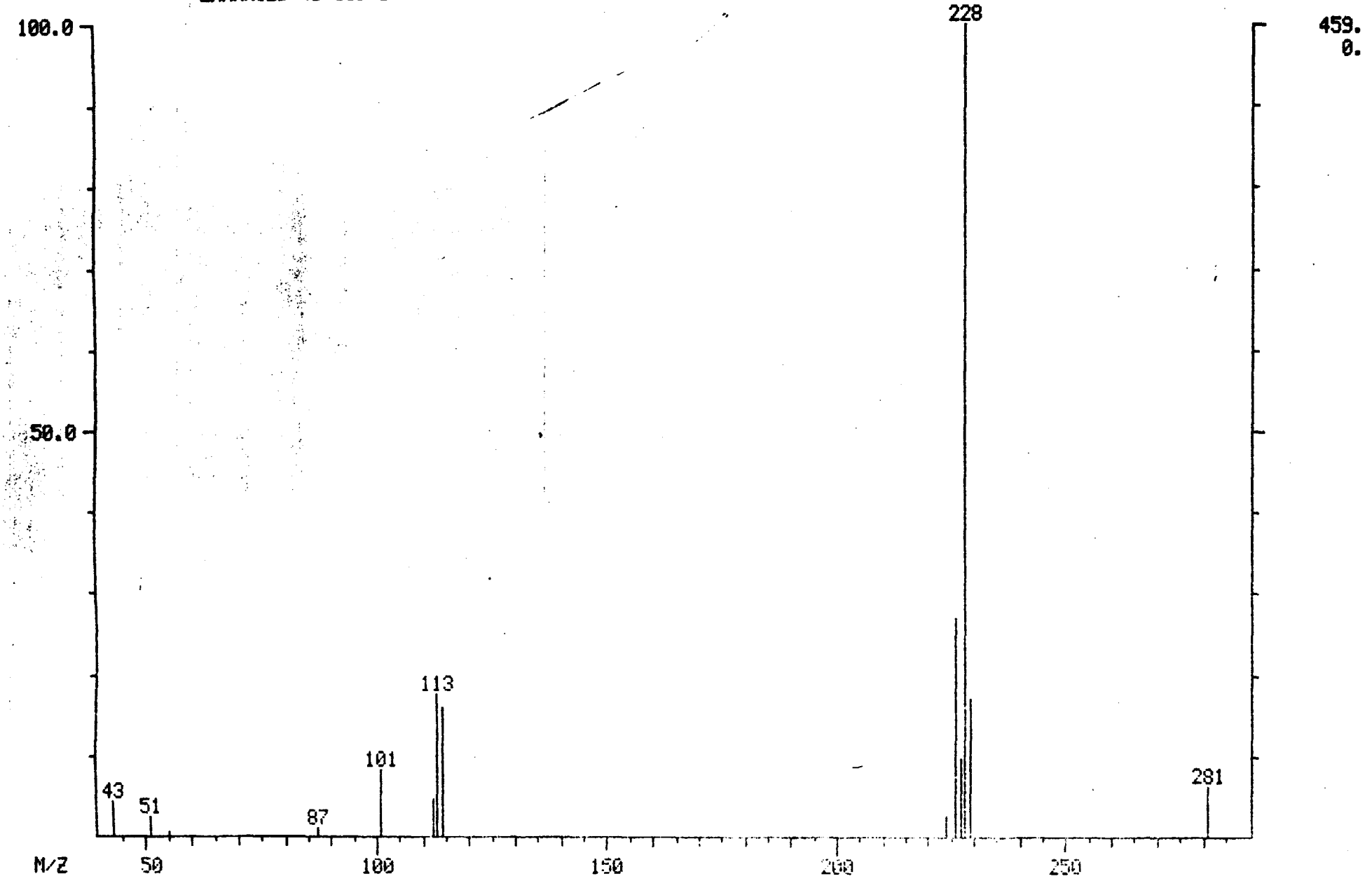


MASS SPECTRUM
04/22/91 13:12:00 + 31:09
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3142
CALI: APR22GK05 #3

BASE M/Z: 228
RIC: 1000.

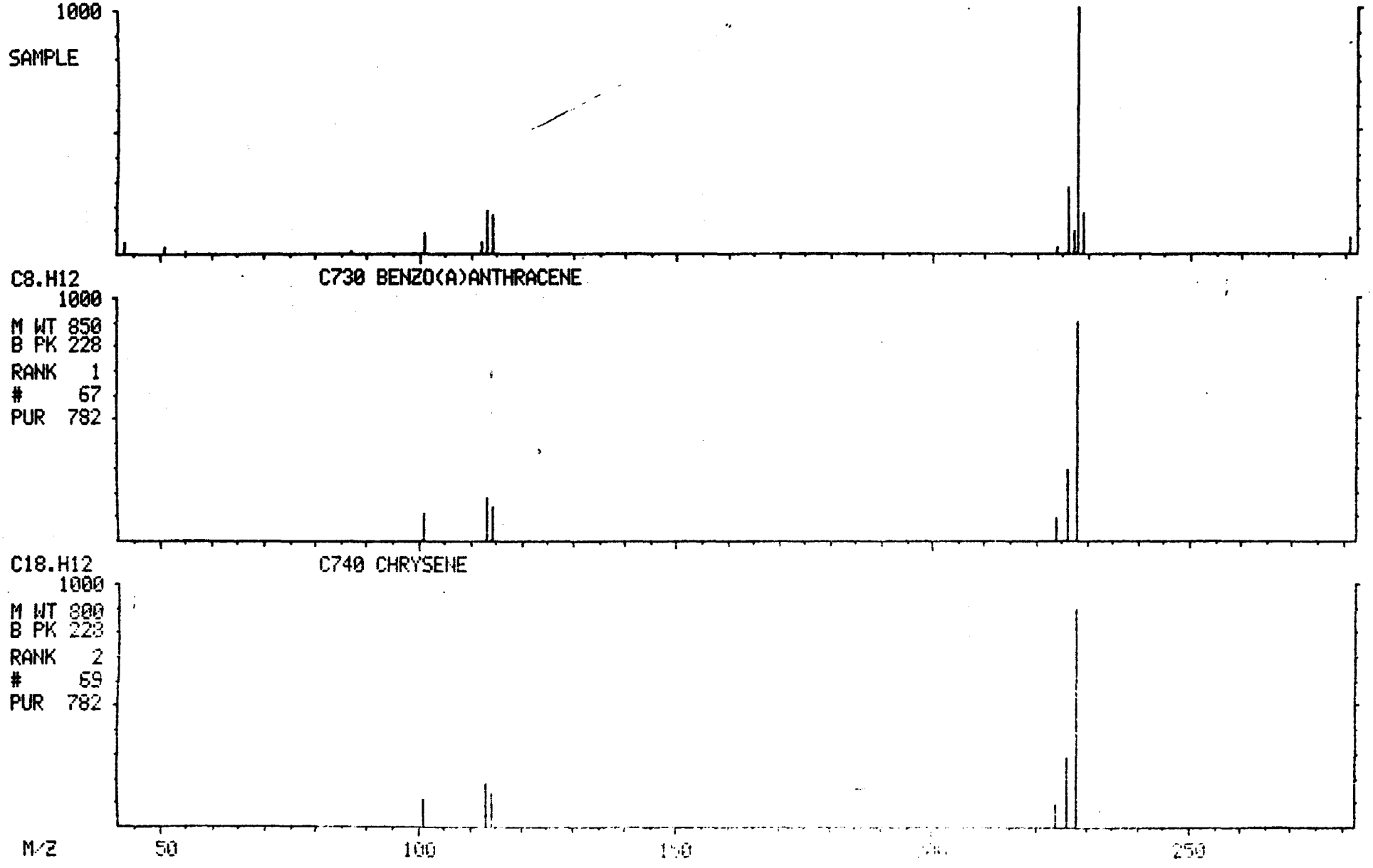
001394



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 31:09
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3142
CALI: APR22GK05 # 3

BASE M/Z: 228
RIC: 1000.



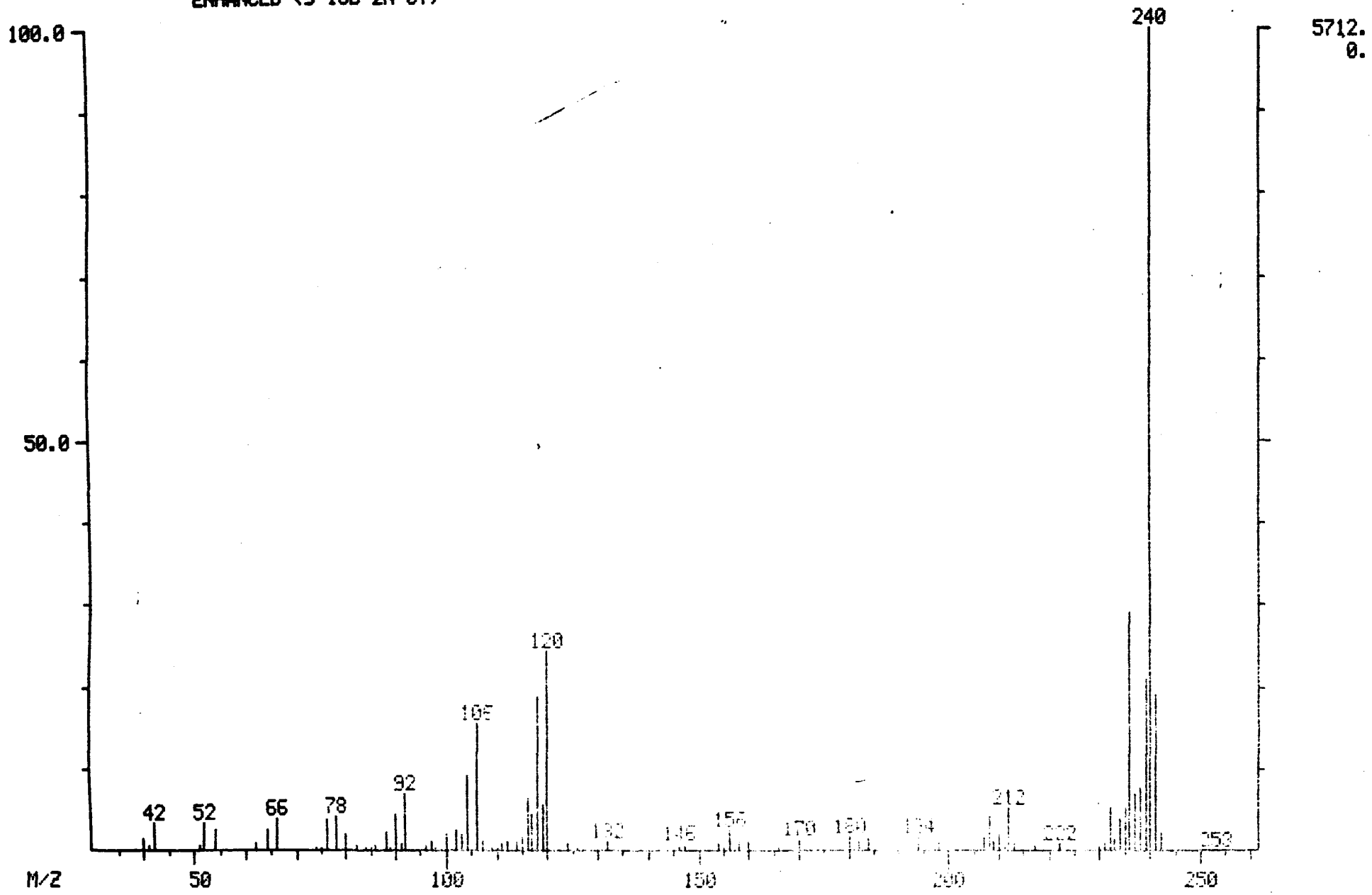
001395

MASS SPECTRUM
04/22/91 13:12:00 + 31:13
SAMPLE: 90902 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: APR22GK05 #3150
CALI: APR22GK05 #3

BASE M/Z: 240
RIC: 21952.

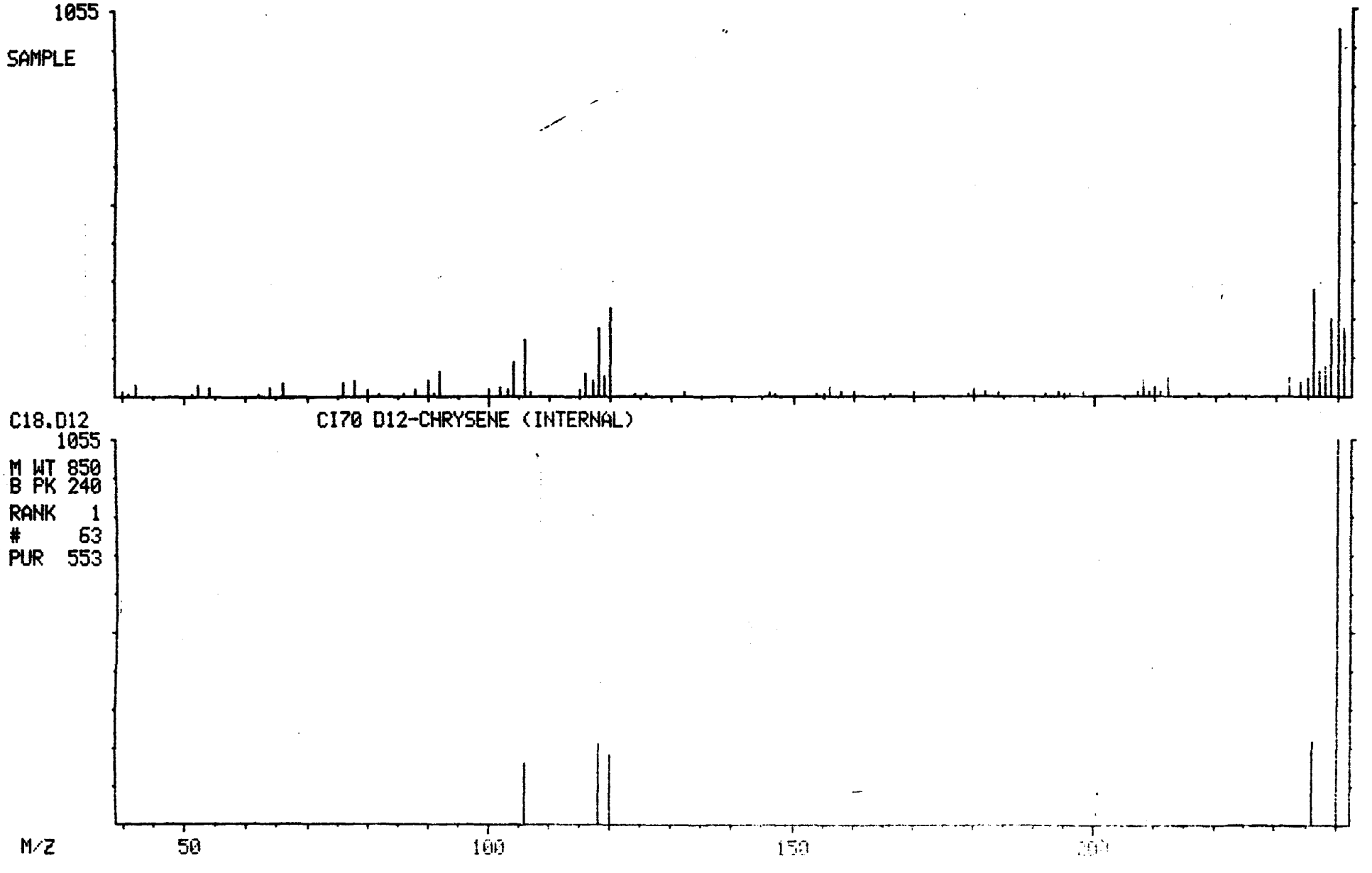
001396



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 31:13
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3150
CALI: APR22GK05 # 3

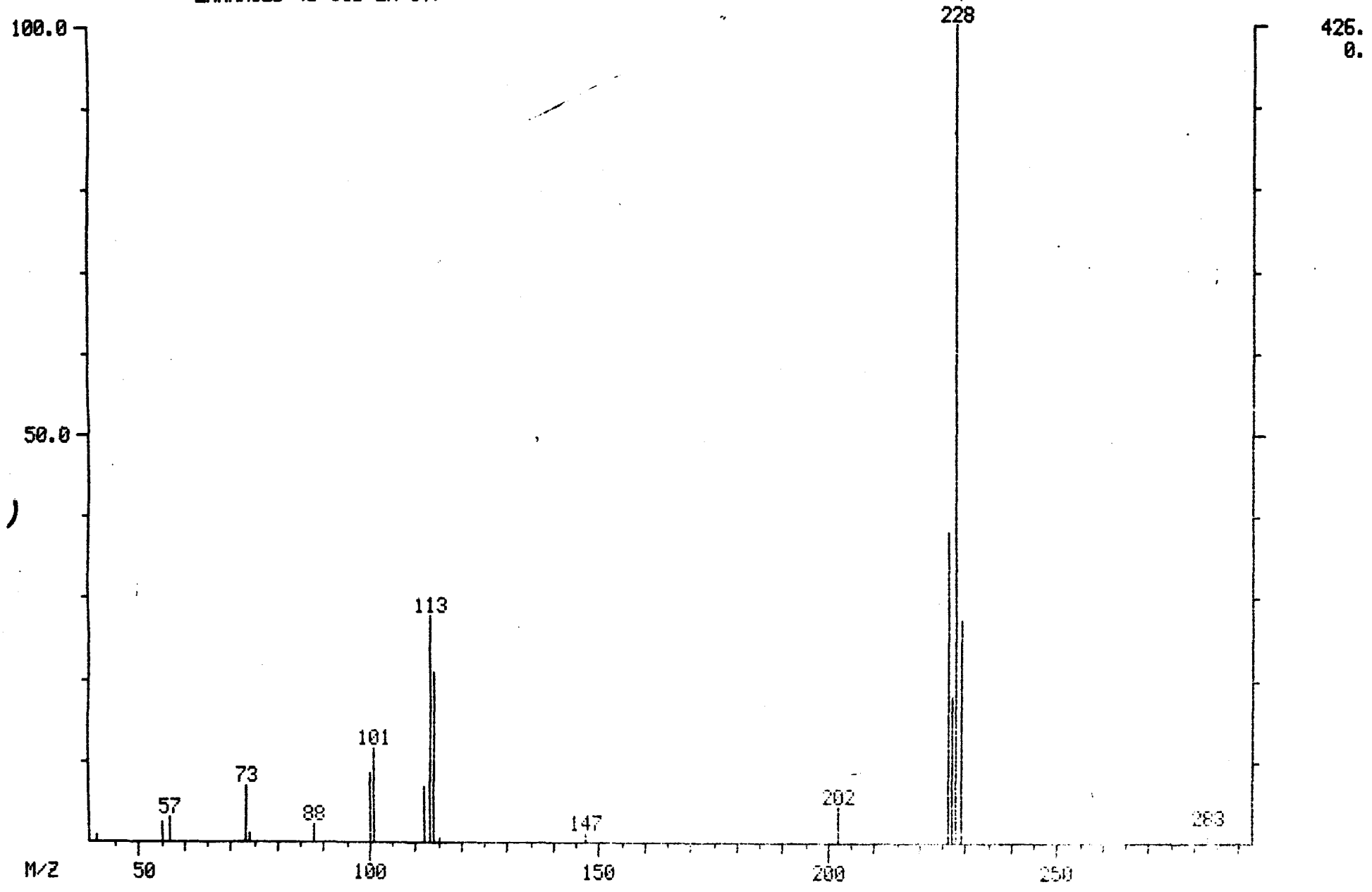
BASE M/Z: 240
RIC: 21216.



MASS SPECTRUM
04/22/91 13:12:00 + 31:19
SAMPLE: 90902 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: APR22GK05 #3160
CALI: APR22GK05 #3

BASE M/Z: 228
RIC: 1212.

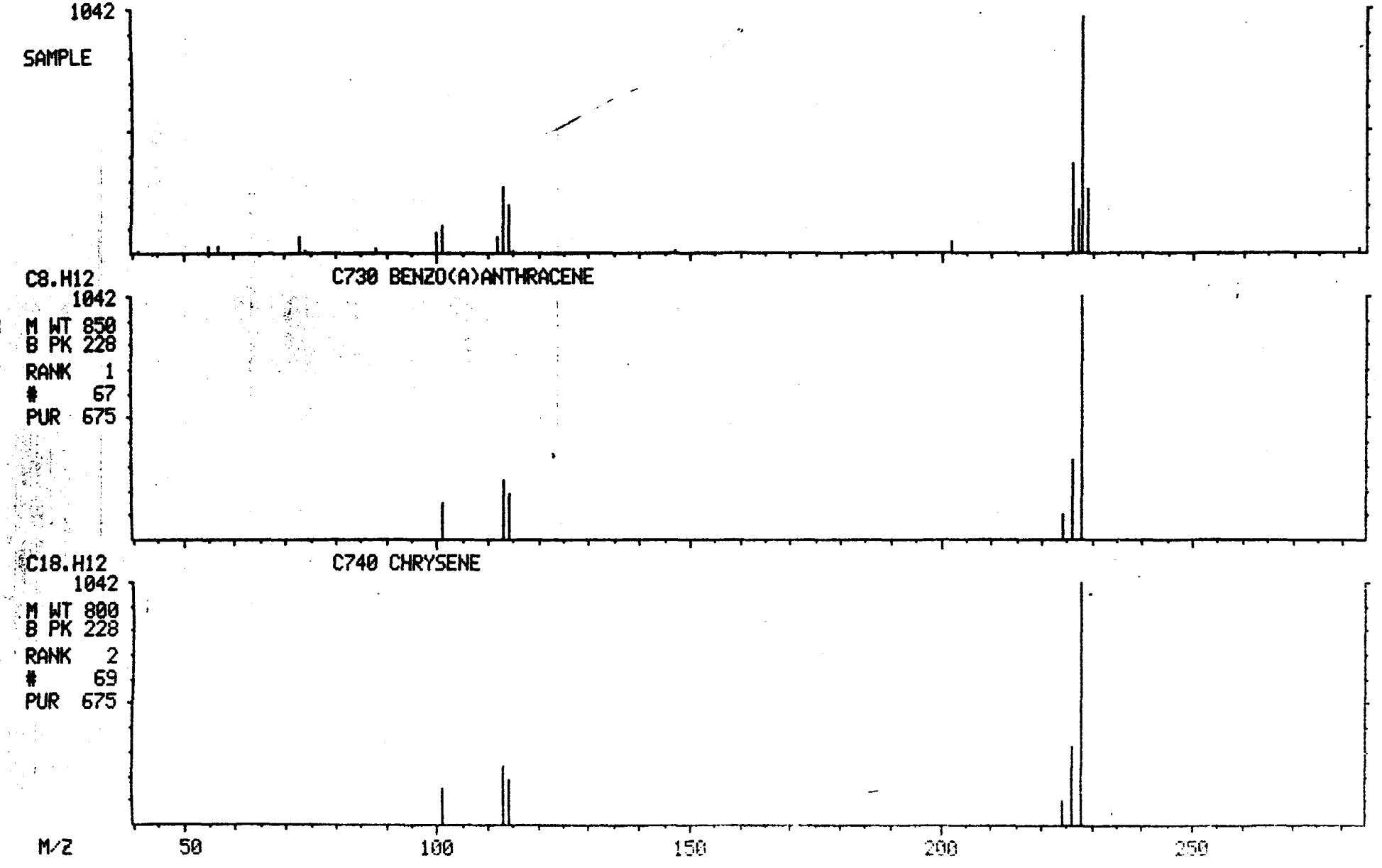


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 31:19
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3160
CALI: APR22GK05 # 3

BASE M/Z: 228
RIC: 1212.

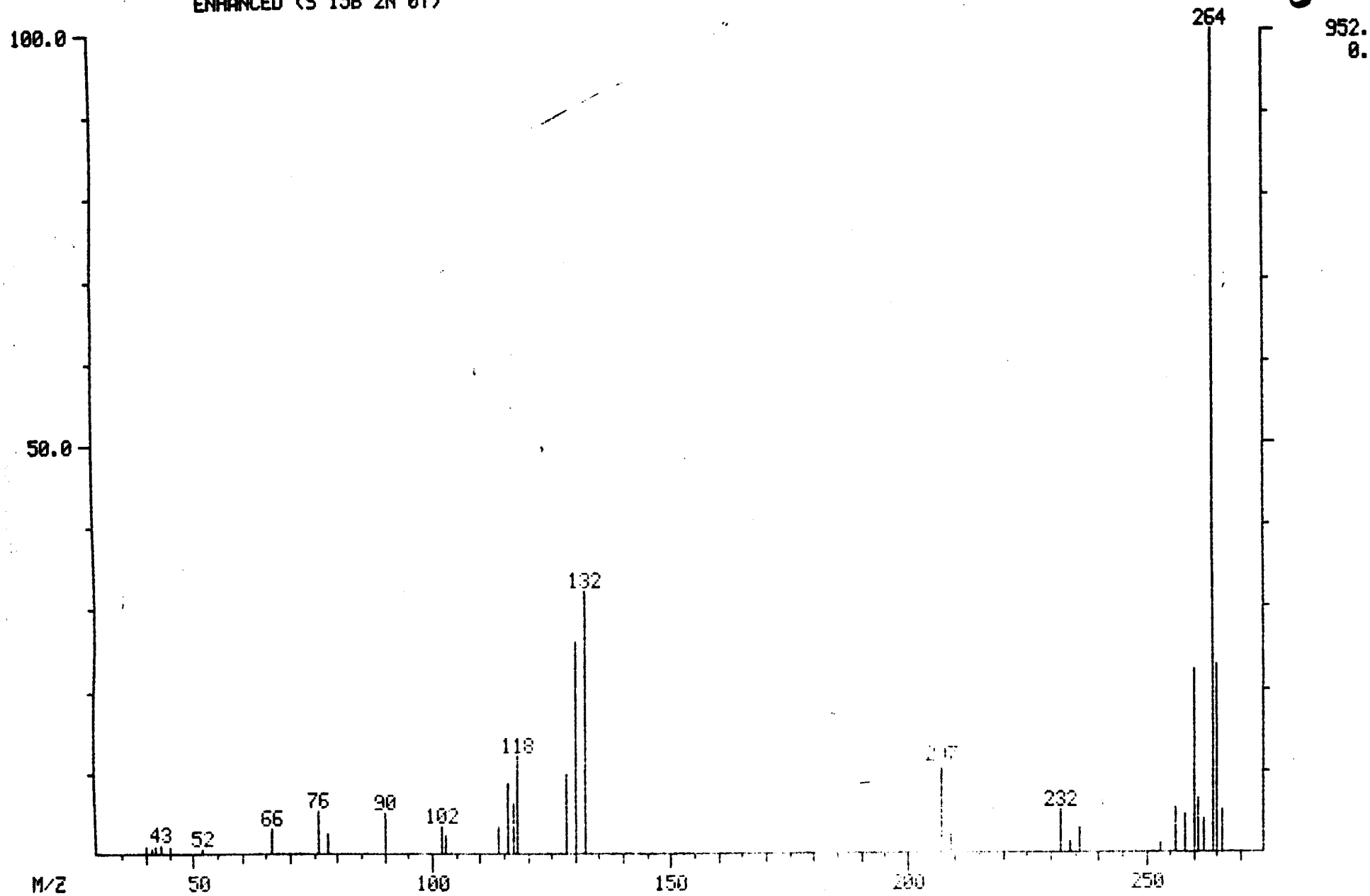
001399



MASS SPECTRUM
04/22/91 13:12:00 + 40:26
SAMPLE: 90902 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: APR22GK05 #4079
CALI: APR22GK05 #3

BASE M/Z: 264
RIC: 3048.



9222000005

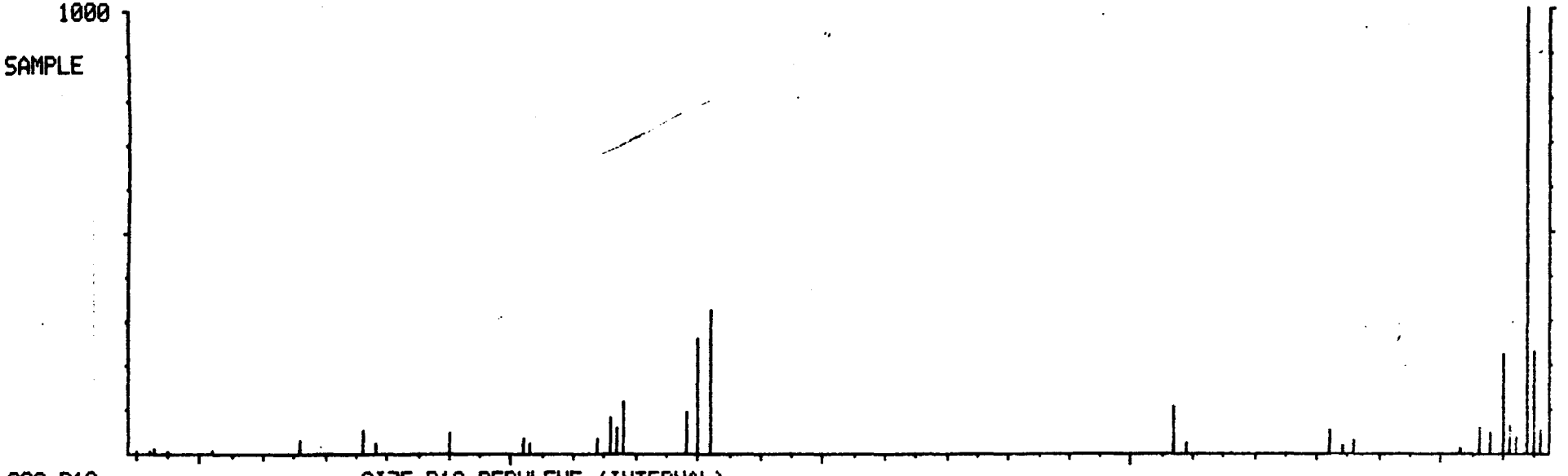
001400

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 13:12:00 + 40:26
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

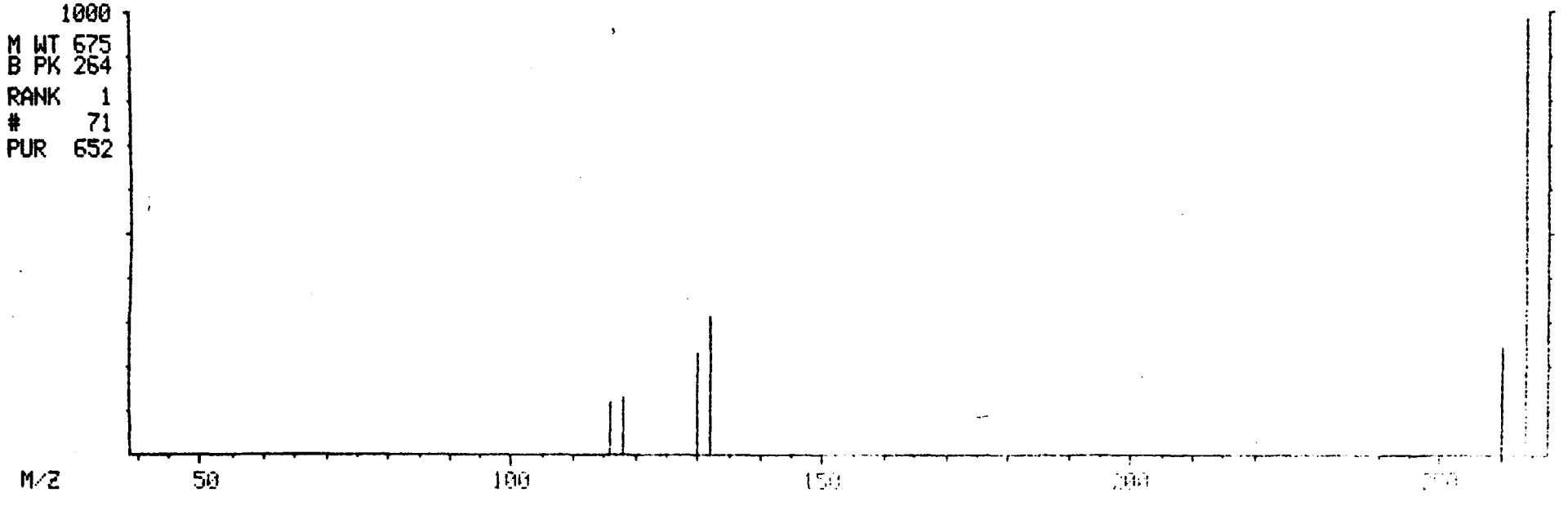
DATA: APR22GK05 #4079
CALI: APR22GK05 # 3

BASE M/Z: 264
RIC: 3044.

001401



C20.D12 CI75 D12-PERYLENE (INTERNAL)

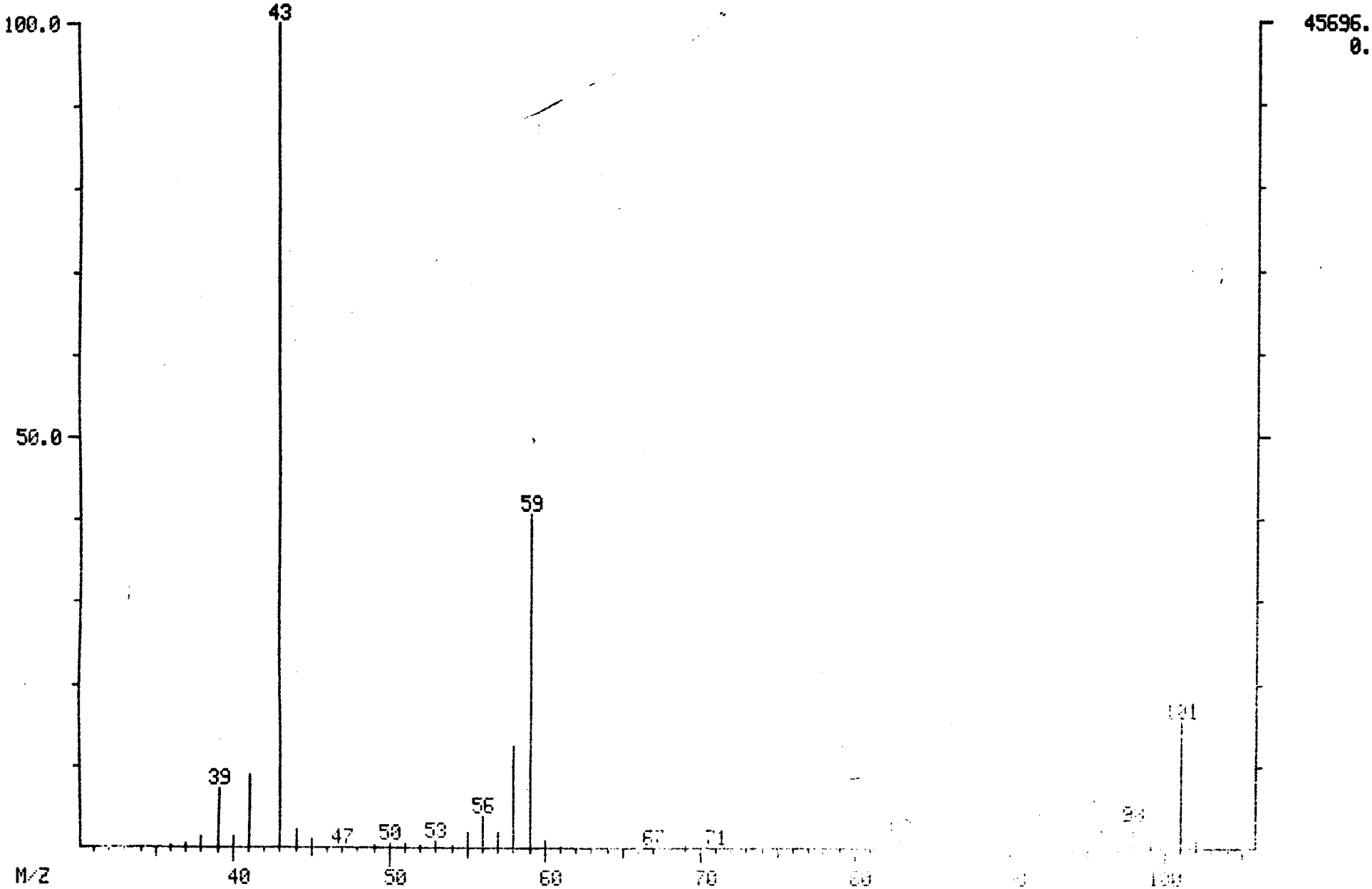


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 13:12:00 + 8:08
SAMPLE: 90902 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: APR22GK05 #821
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 95872.



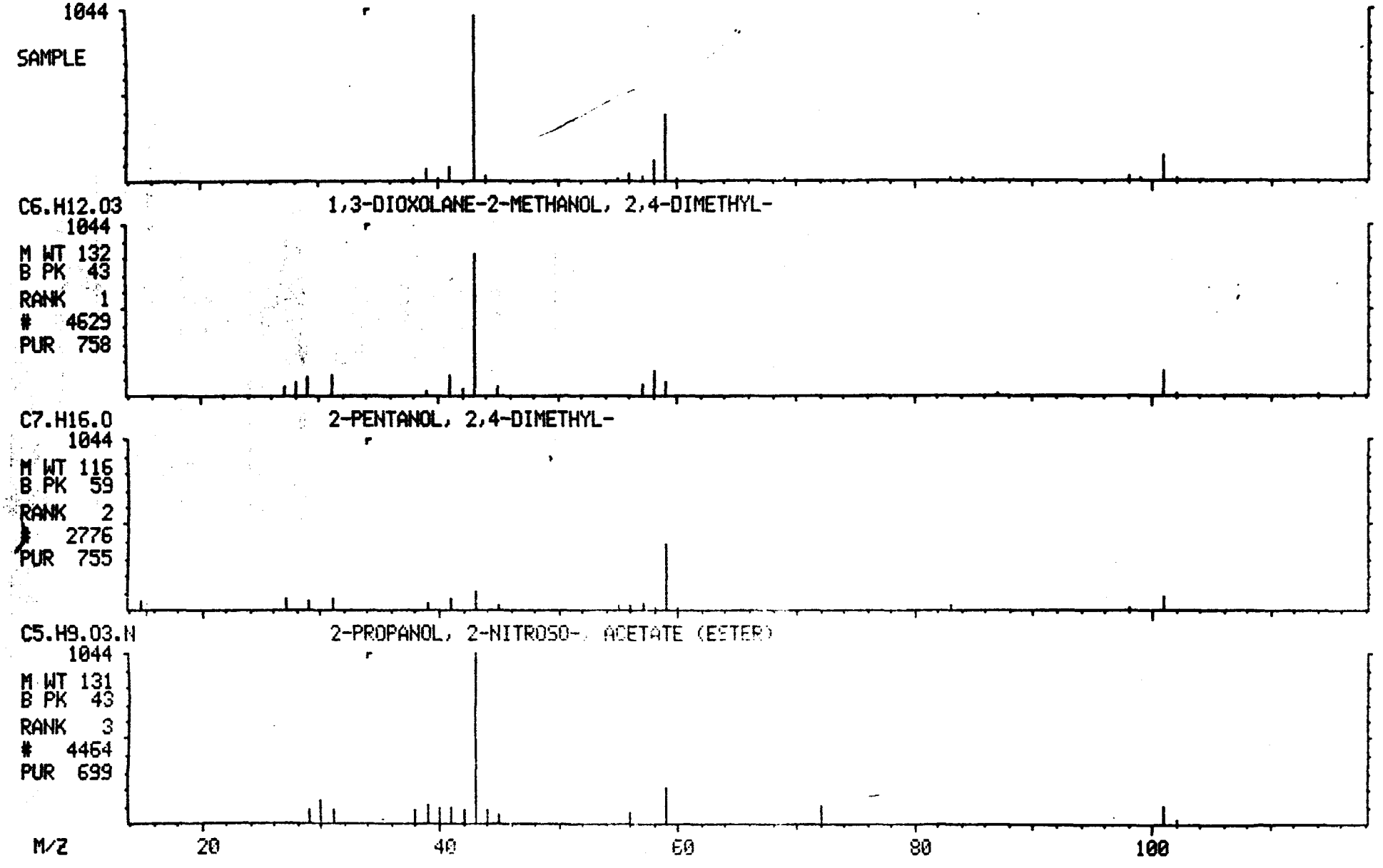
001403

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 8:08
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 # 821
CALI: APR22GK05 # 3

BASE M/Z: 43
RIC: 93568.

004404

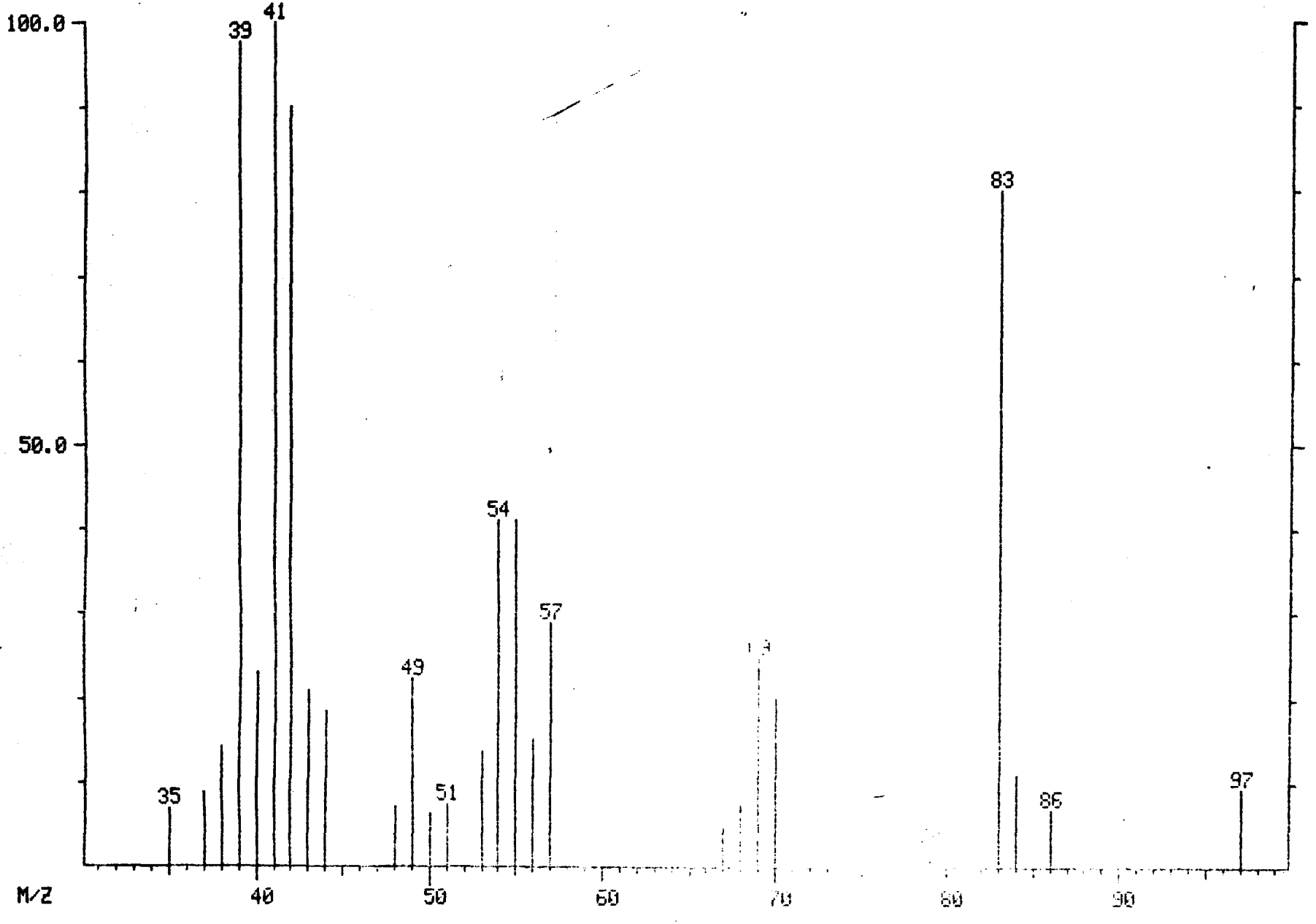


MASS SPECTRUM
04/22/91 13:12:00 + 8:34
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 86 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #865
CALI: APR22GK05 #3

BASE M/Z: 41
RIC: 2924.

001405

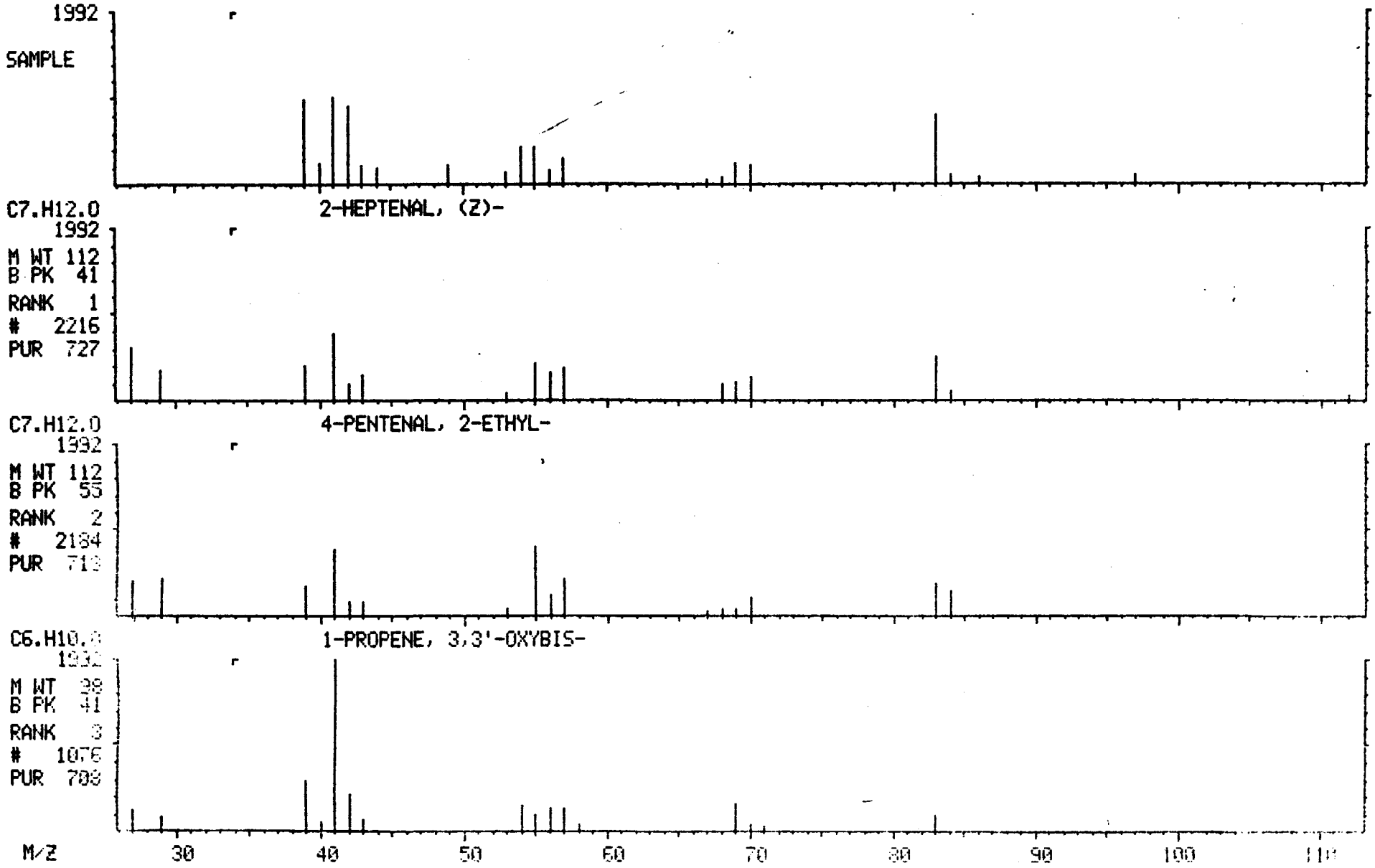


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 8:34
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 # 865
CALI: APR22GK05 # 3

BASE M/Z: 41
RIC: 2708.

001406

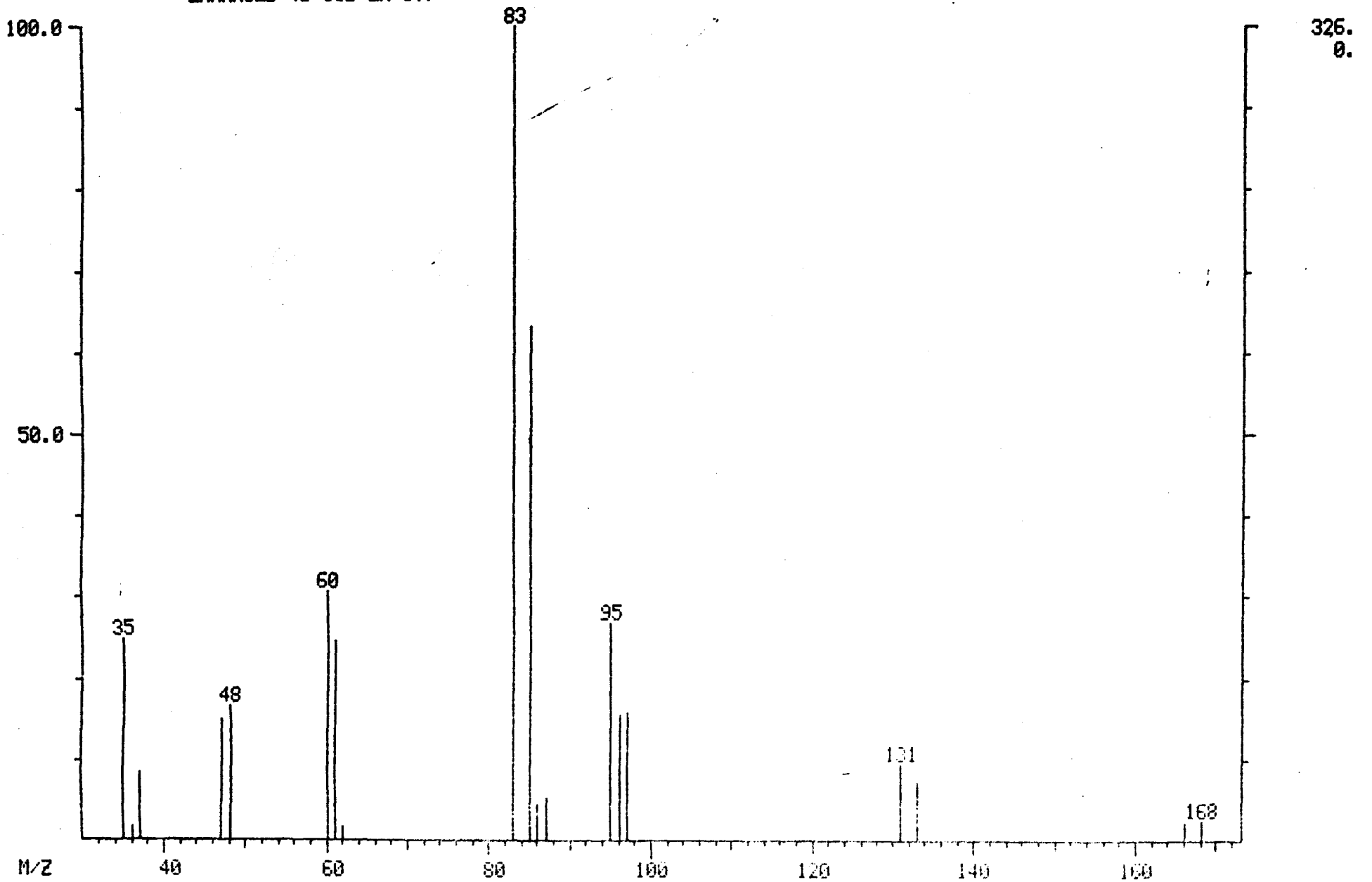


MASS SPECTRUM
04/22/91 13:12:00 + 9:47
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #987
CALI: APR22GK05 #3

BASE M/Z: 83
RIC: 1226.

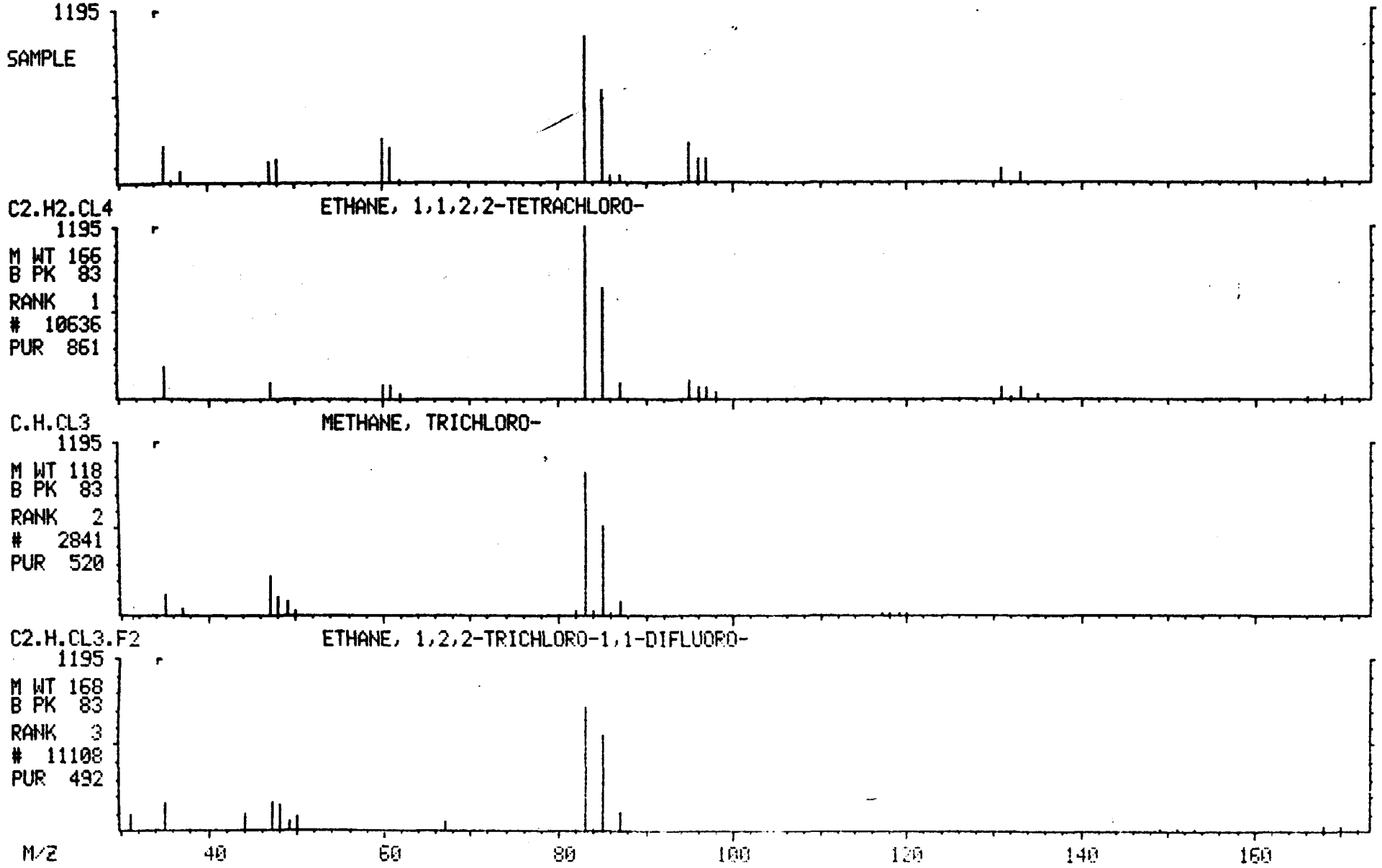
001407



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 9:47
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 # 987
CALI: APR22GK05 # 3

BASE M/Z: 83
RIC: 1226.

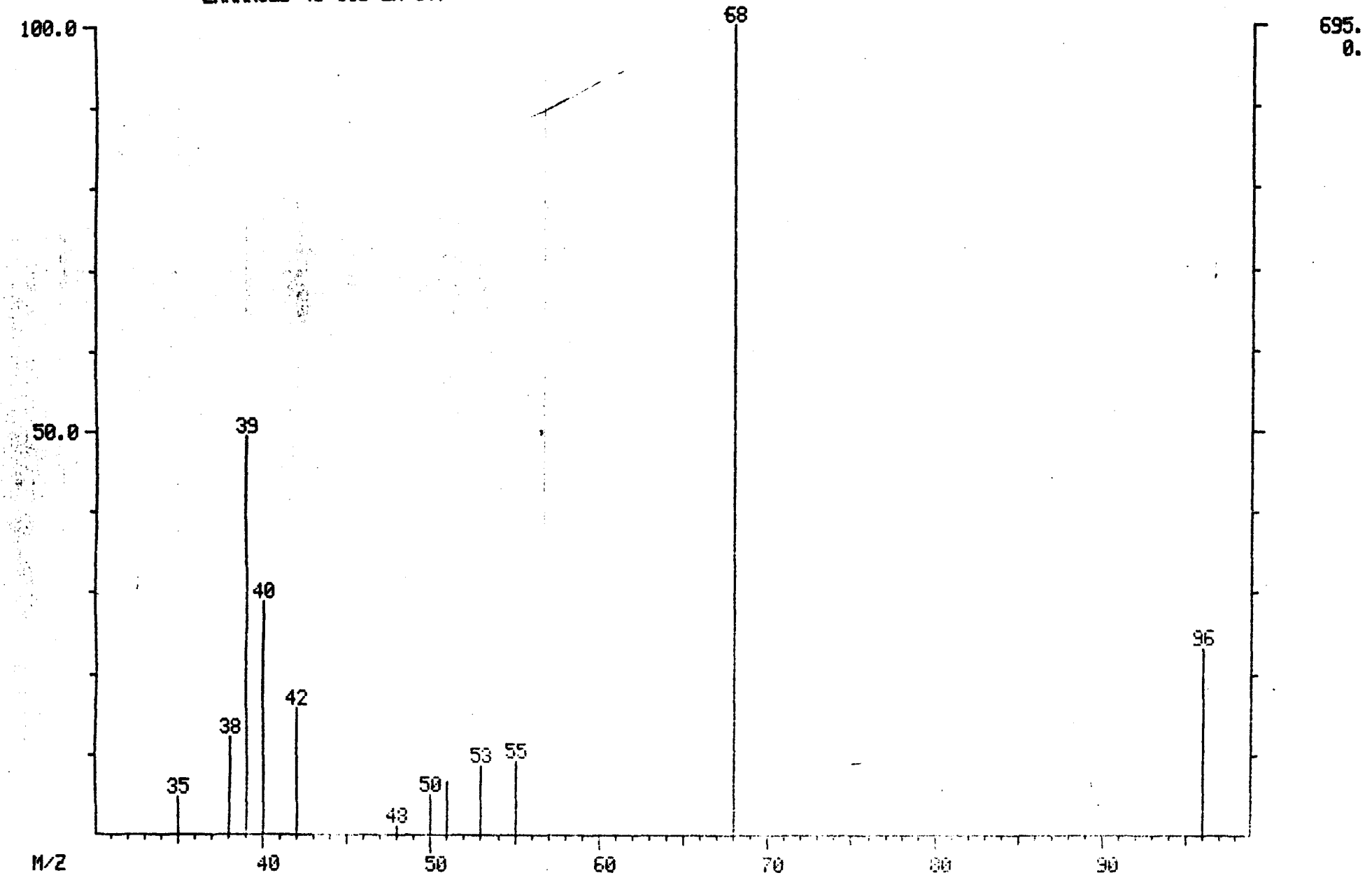


MASS SPECTRUM
04/22/91 13:12:00 + 10:12
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1029
CALI: APR22GK05 #3

BASE M/Z: 68
RIC: 1840.

001409

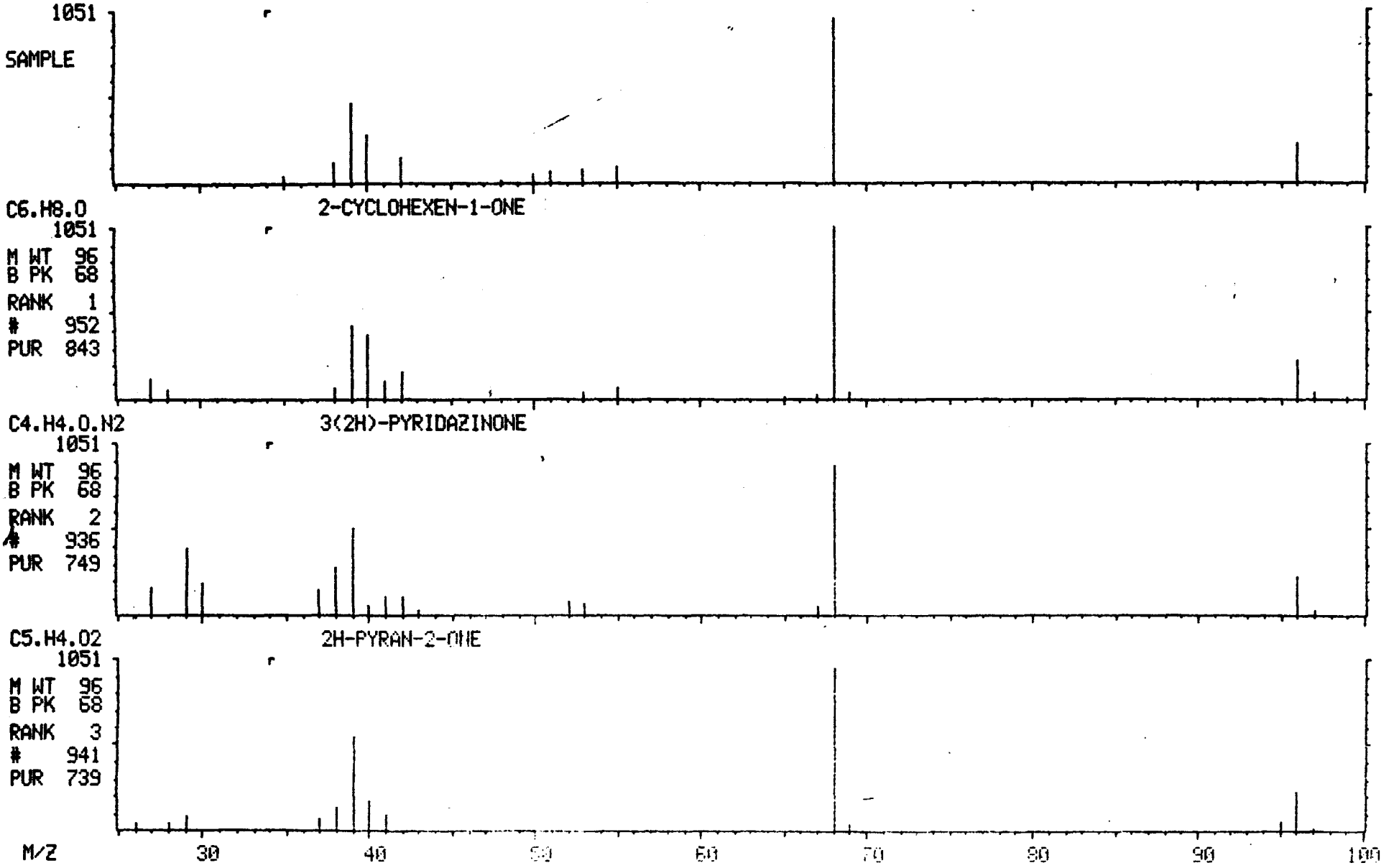


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 10:12
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1029
CALI: APR22GK05 # 3

BASE M/Z: 68
RIC: 1840.

001410

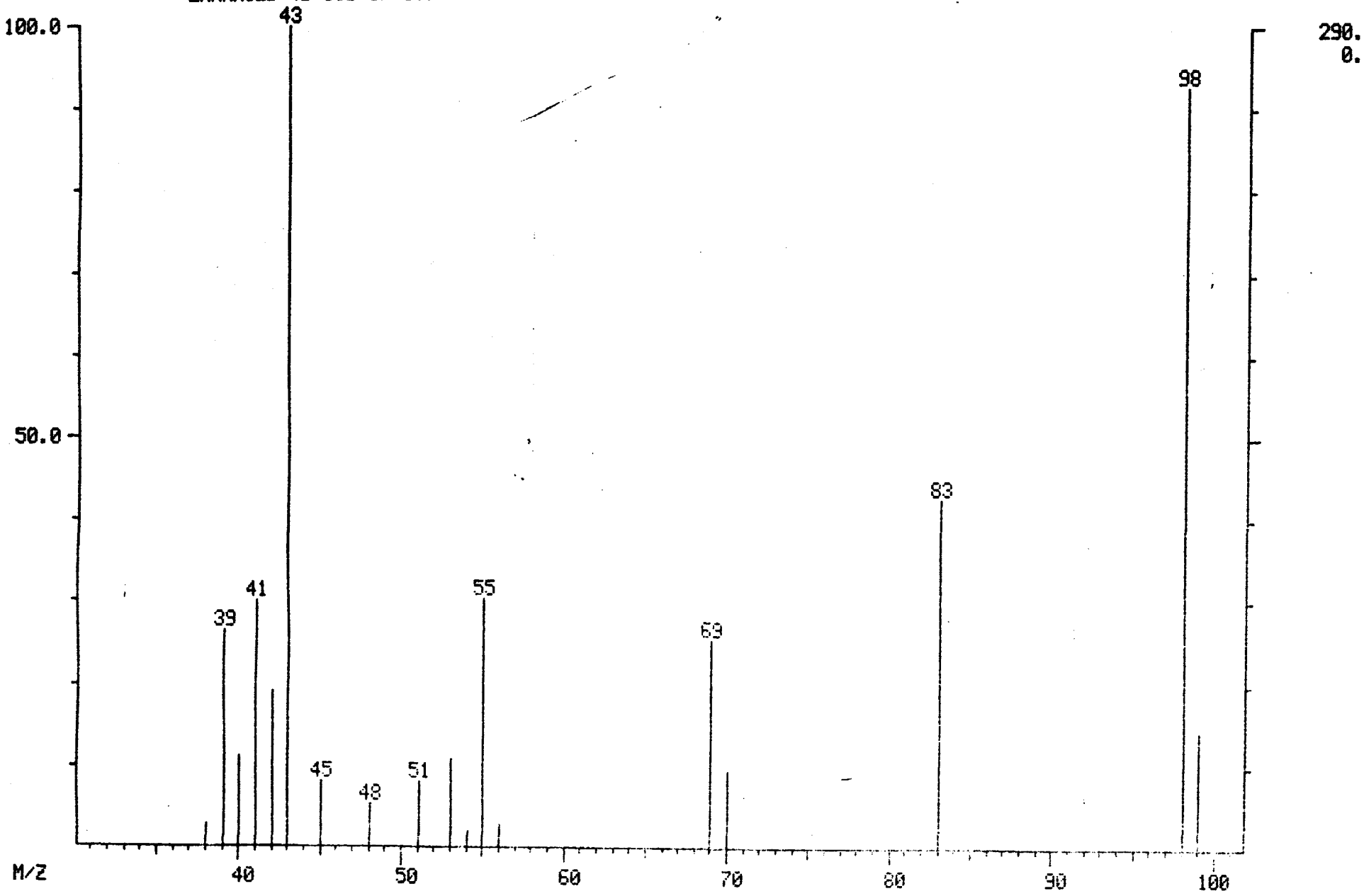


MASS SPECTRUM
04/22/91 13:12:00 + 11:13
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 113 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1132
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 1278.

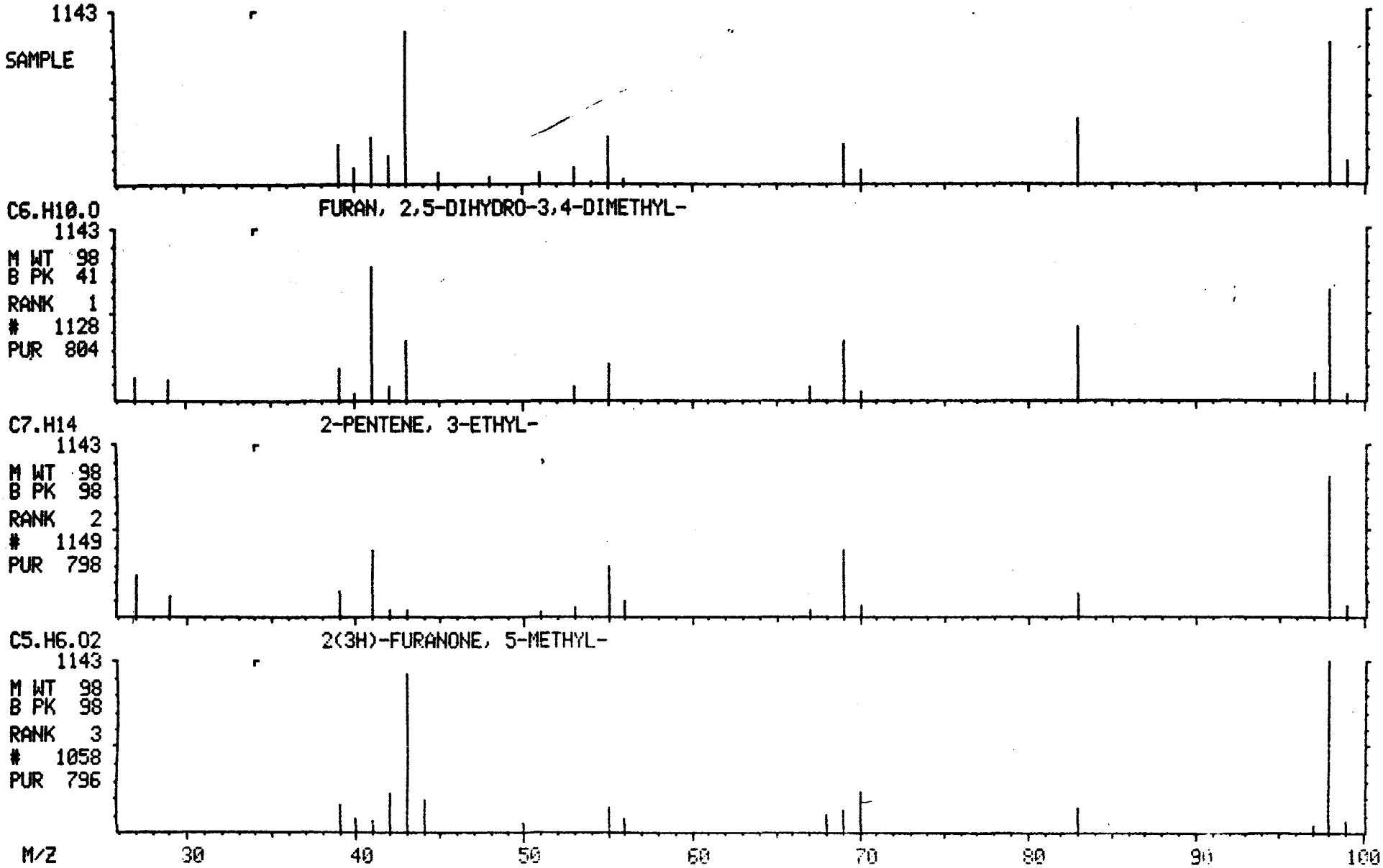
001411



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 11:13
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1132
CALI: APR22GK05 # 3

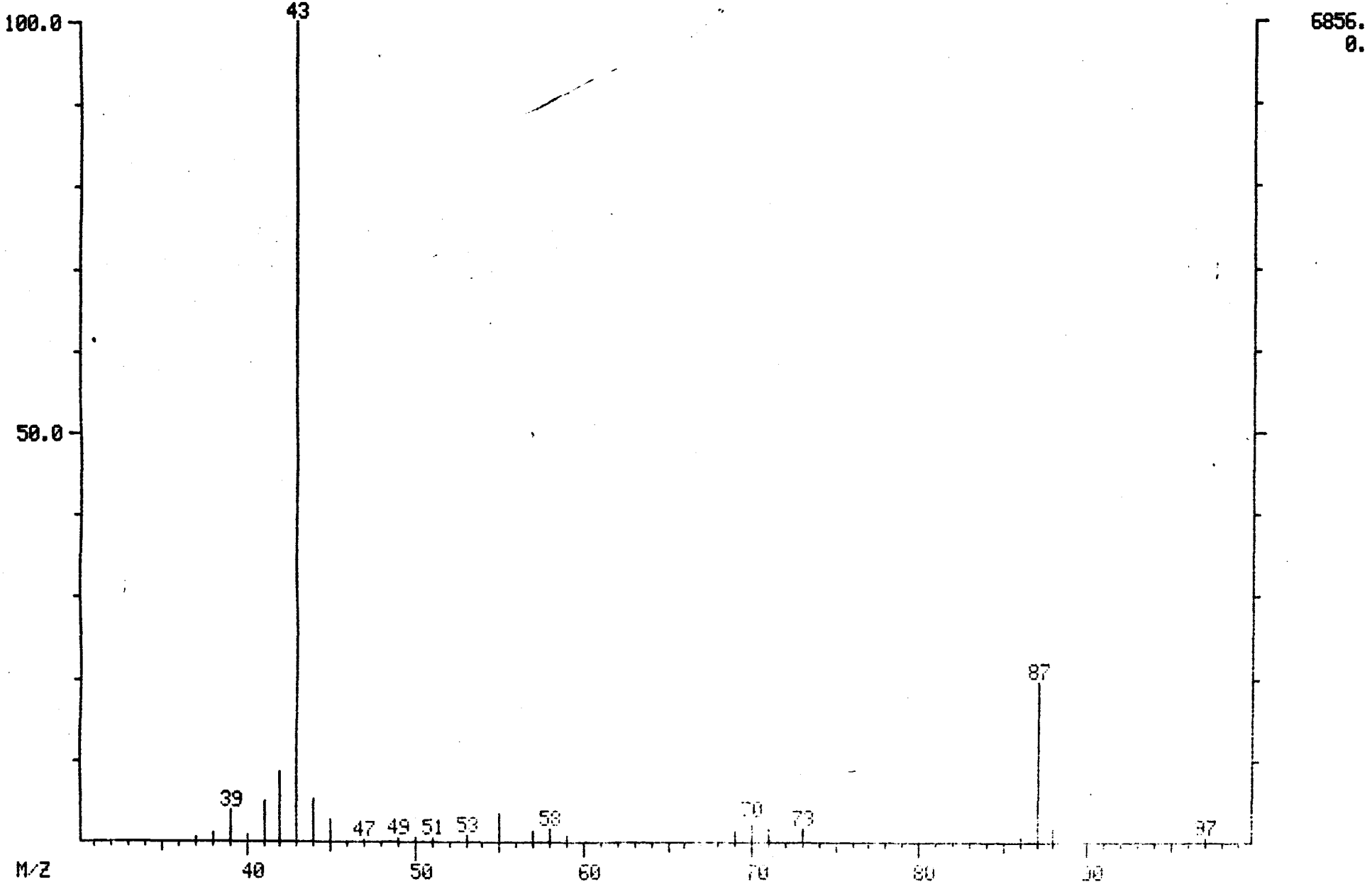
BASE M/Z: 43
RIC: 1270.



MASS SPECTRUM
04/22/91 13:12:00 + 11:40
SAMPLE: 90902 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: APR22GK05 #1177
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 11552.

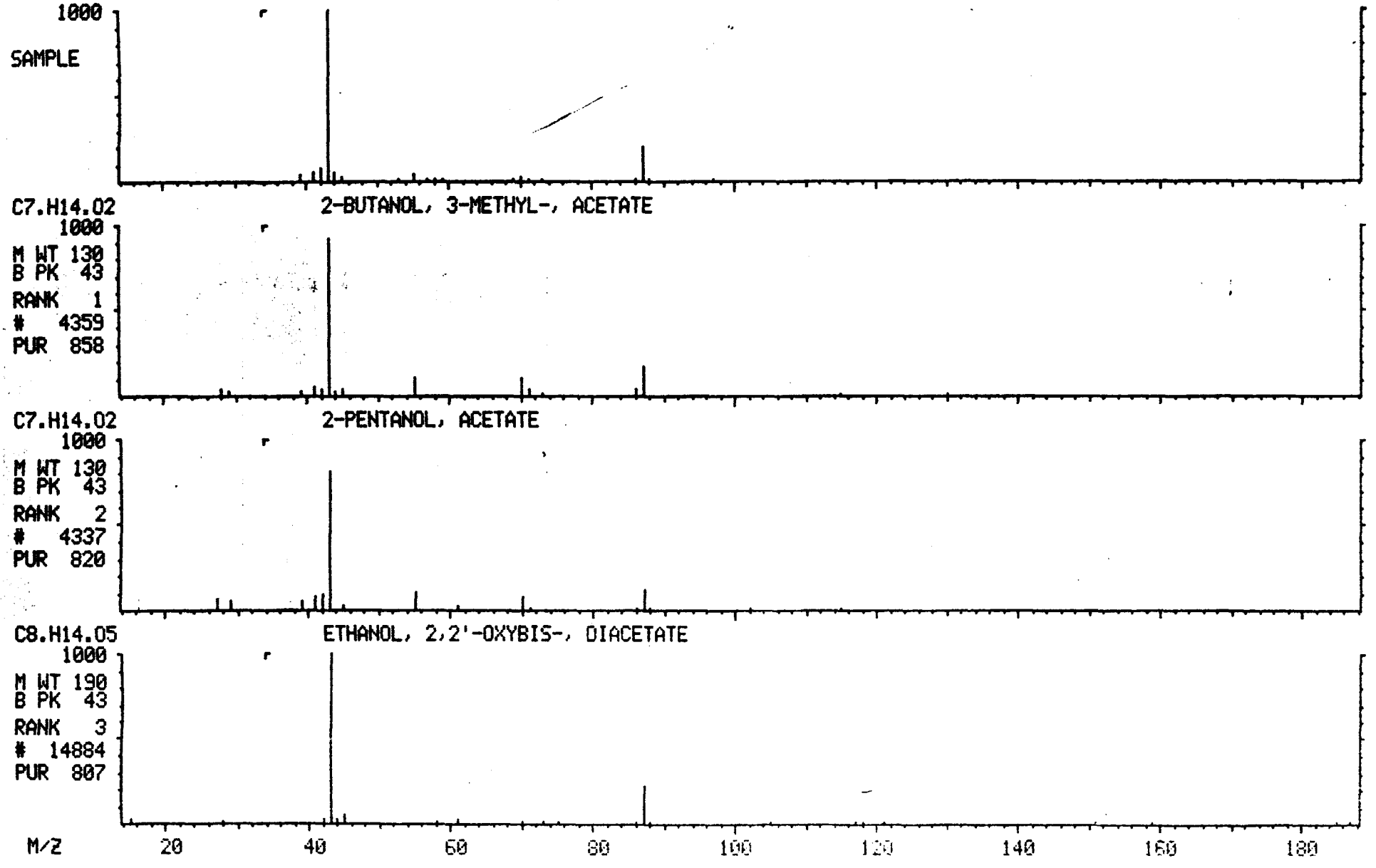


001413

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 11:40
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1177
CALI: APR22GK05 # 3

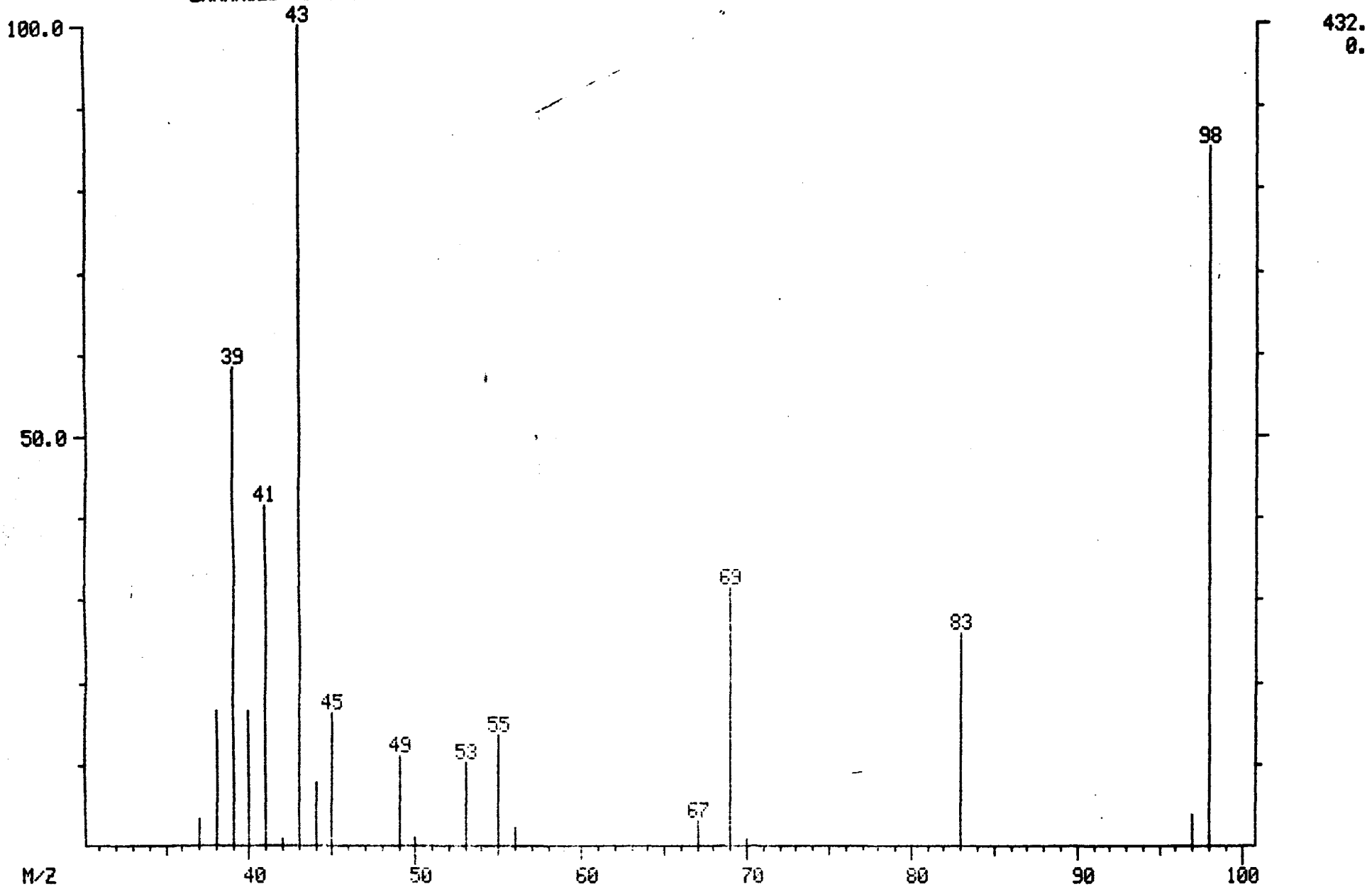
BASE M/Z: 43
RIC: 11264.



MASS SPECTRUM
04/22/91 13:12:00 + 12:09
SAMPLE: 90902 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: APR22GK05 #1225
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 1954.



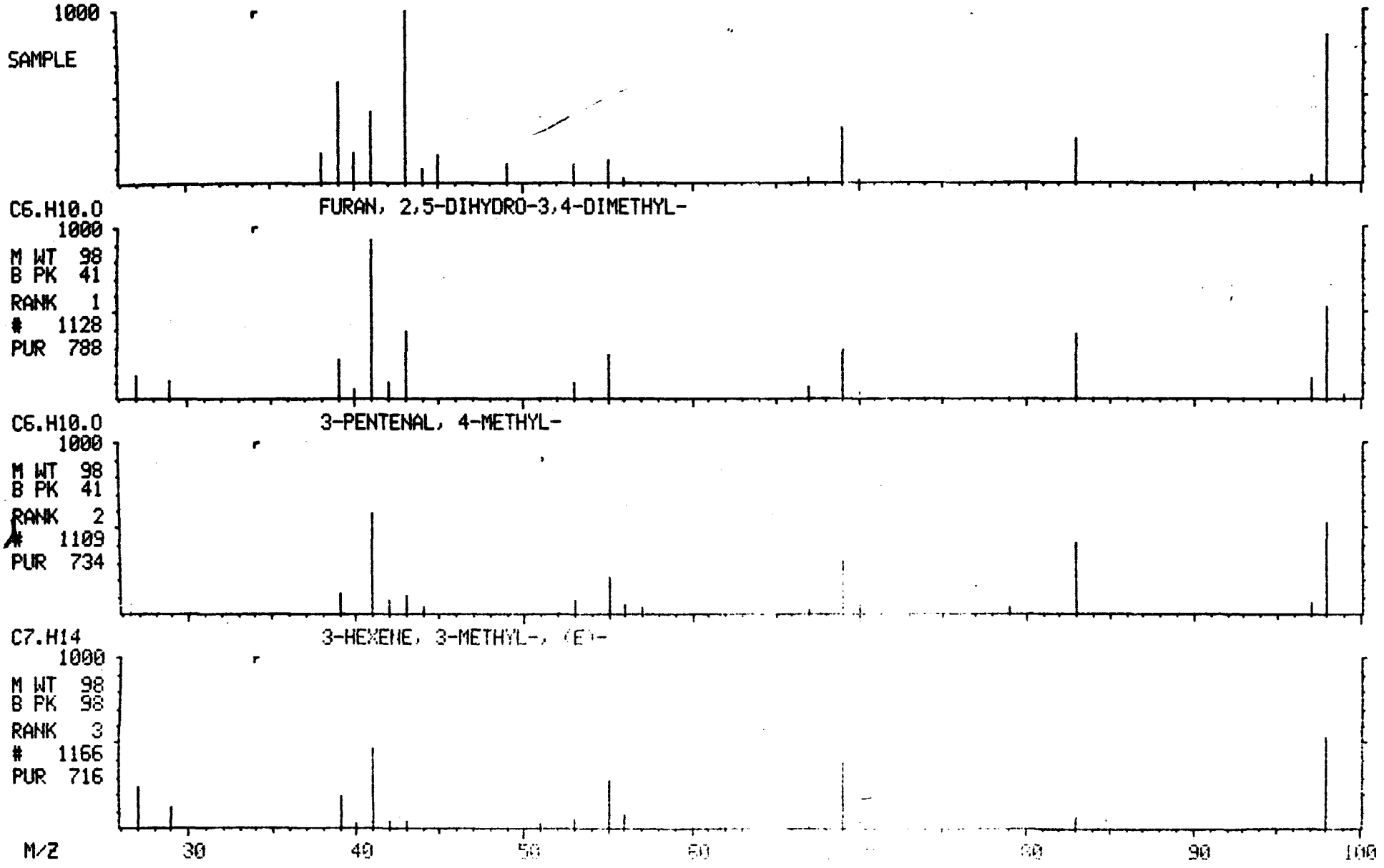
00145

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 12:09
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1225
CALI: APR22GK05 # 3

BASE M/Z: 43
RIC: 1928.

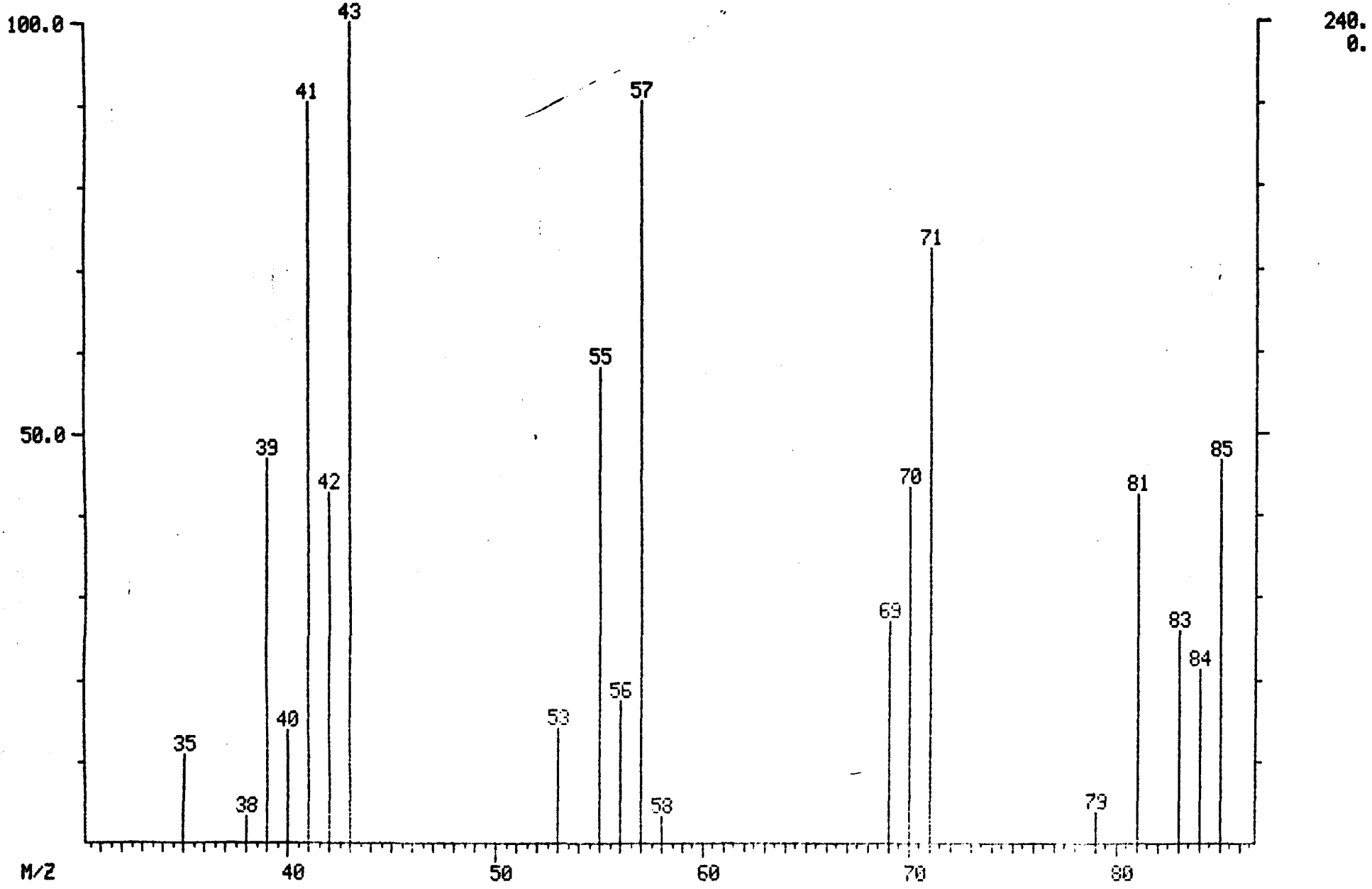
001416



MASS SPECTRUM
04/22/91 13:12:00 + 12:38
SAMPLE: 90902 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: APR22GK05 #1275
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 1862.



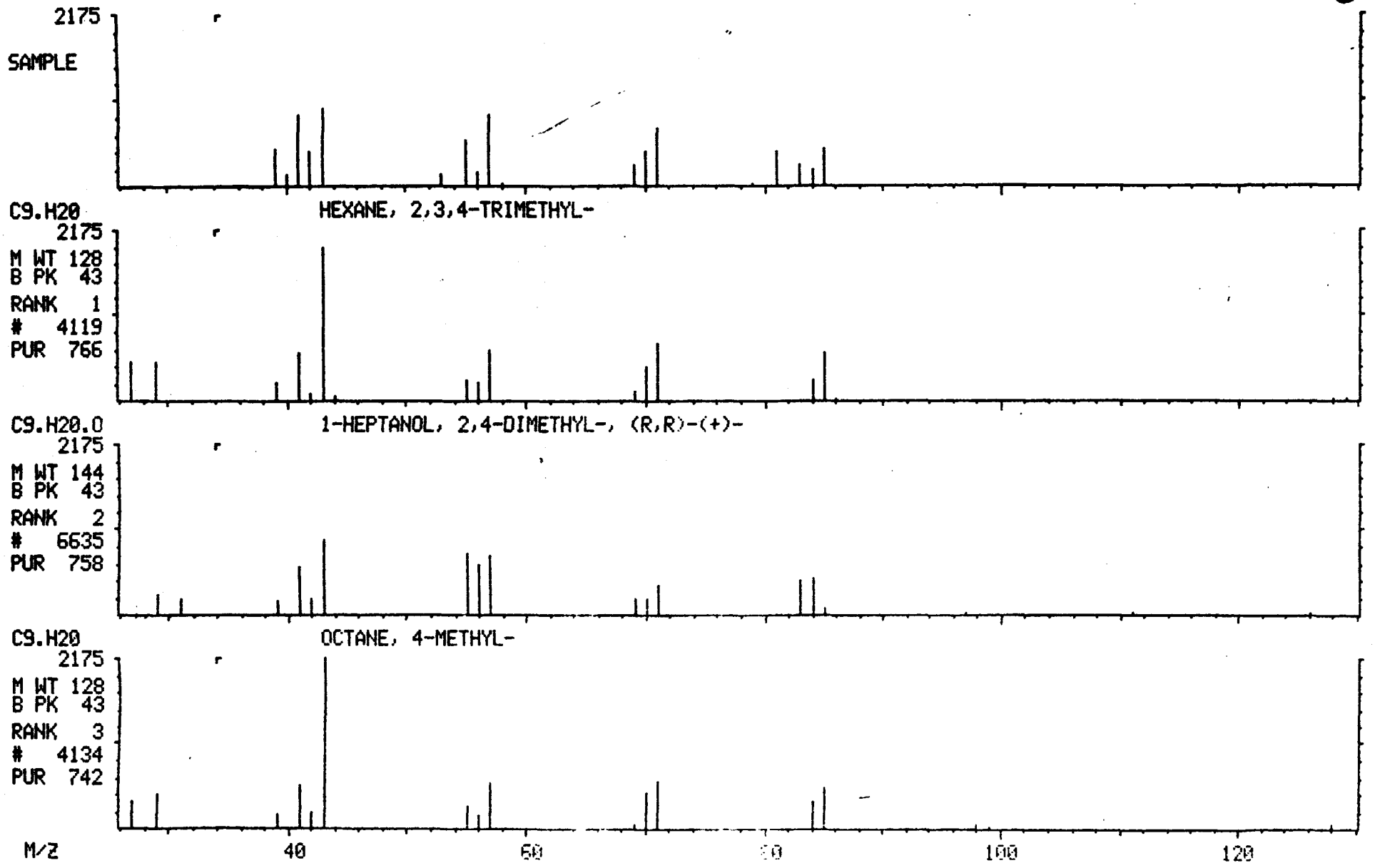
001417

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 12:38
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1275
CALI: APR22GK05 # 3

BASE M/Z: 43
RIC: 1828.

00141B

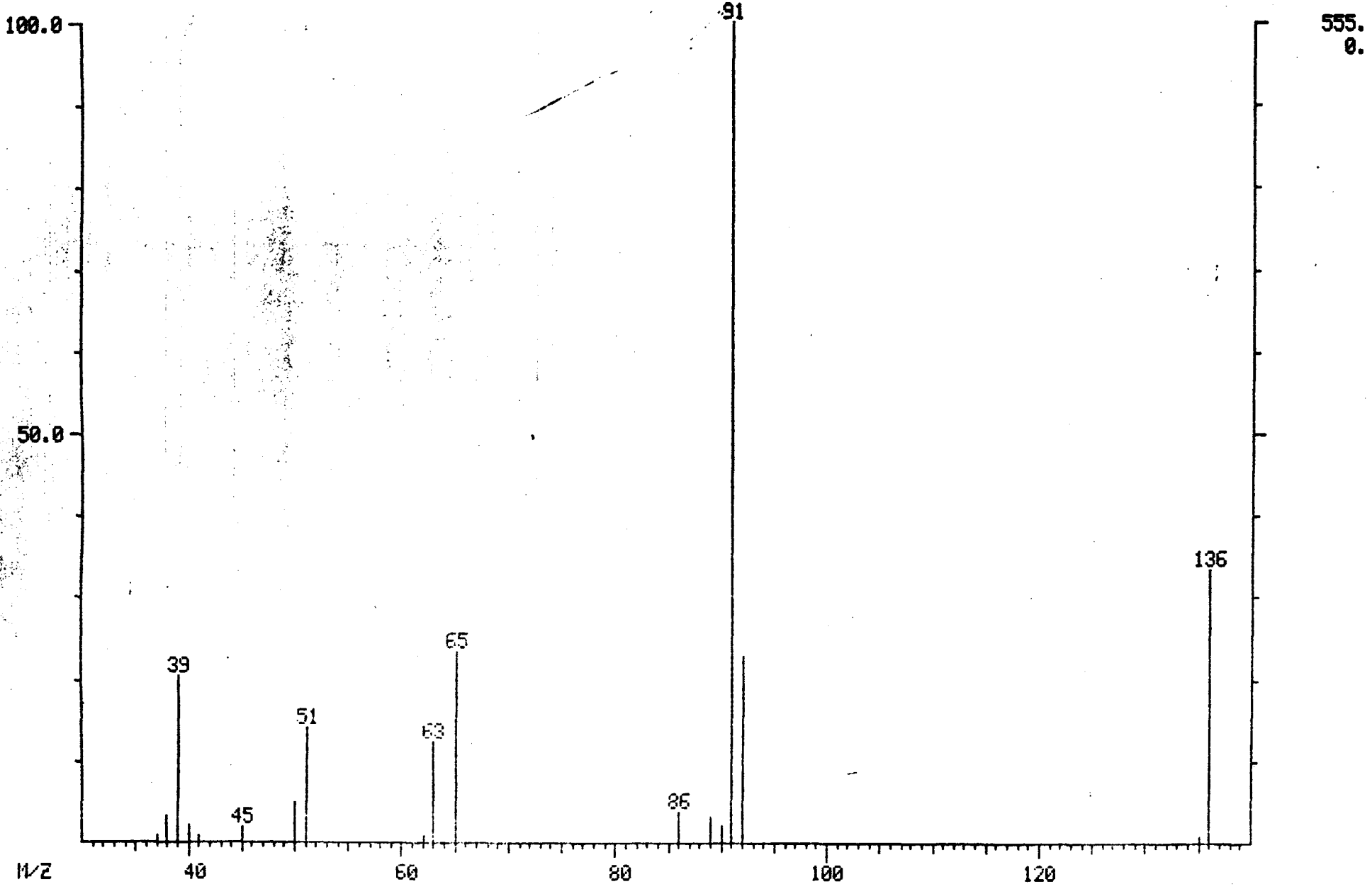


MASS SPECTRUM
04/22/91 13:12:00 + 15:43
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 158 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1586
CALI: APR22GK05 #3

BASE M/Z: 91
RIC: 1404.

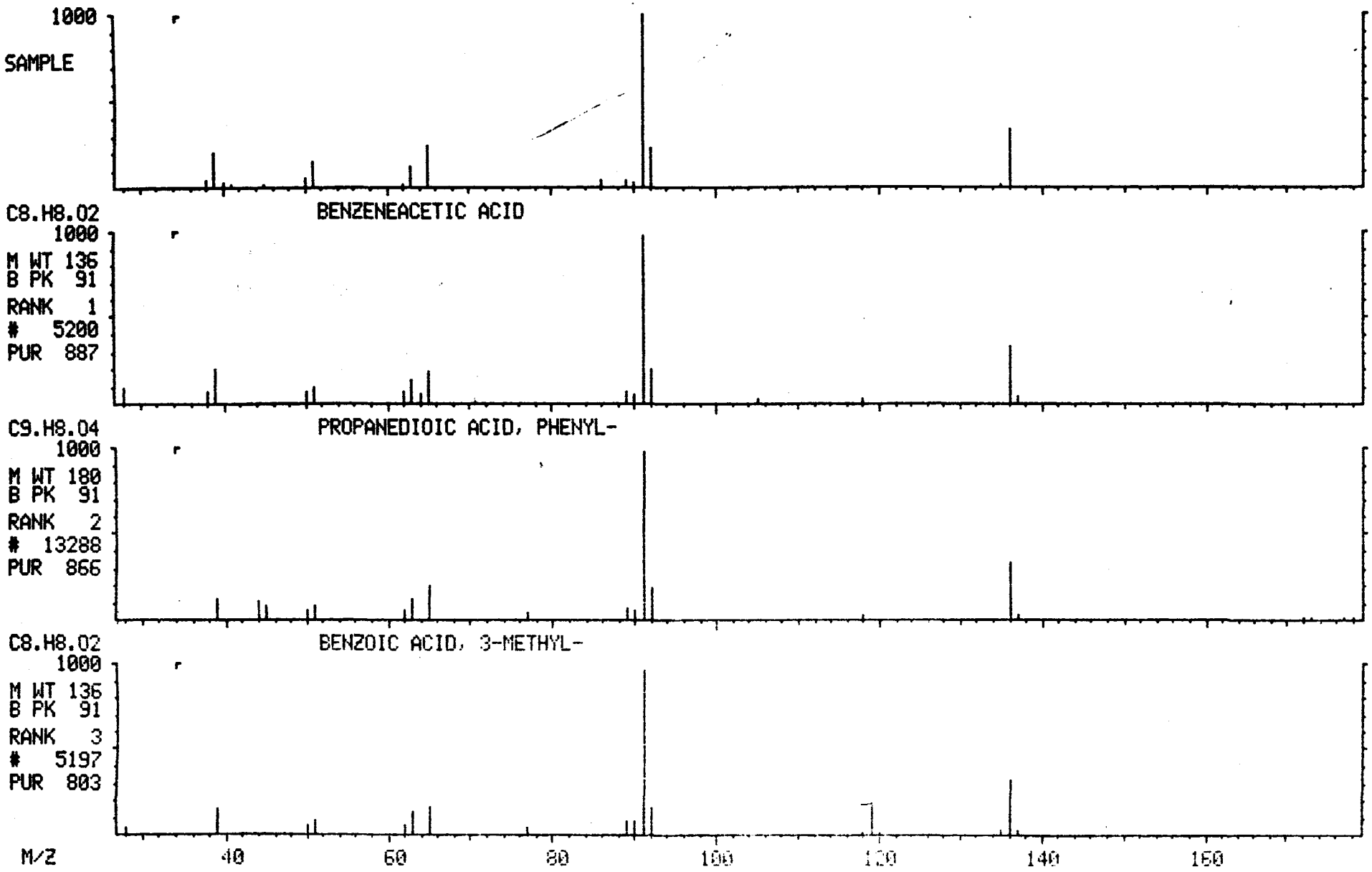
001419



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 15:43
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1586
CALI: APR22GK05 # .3

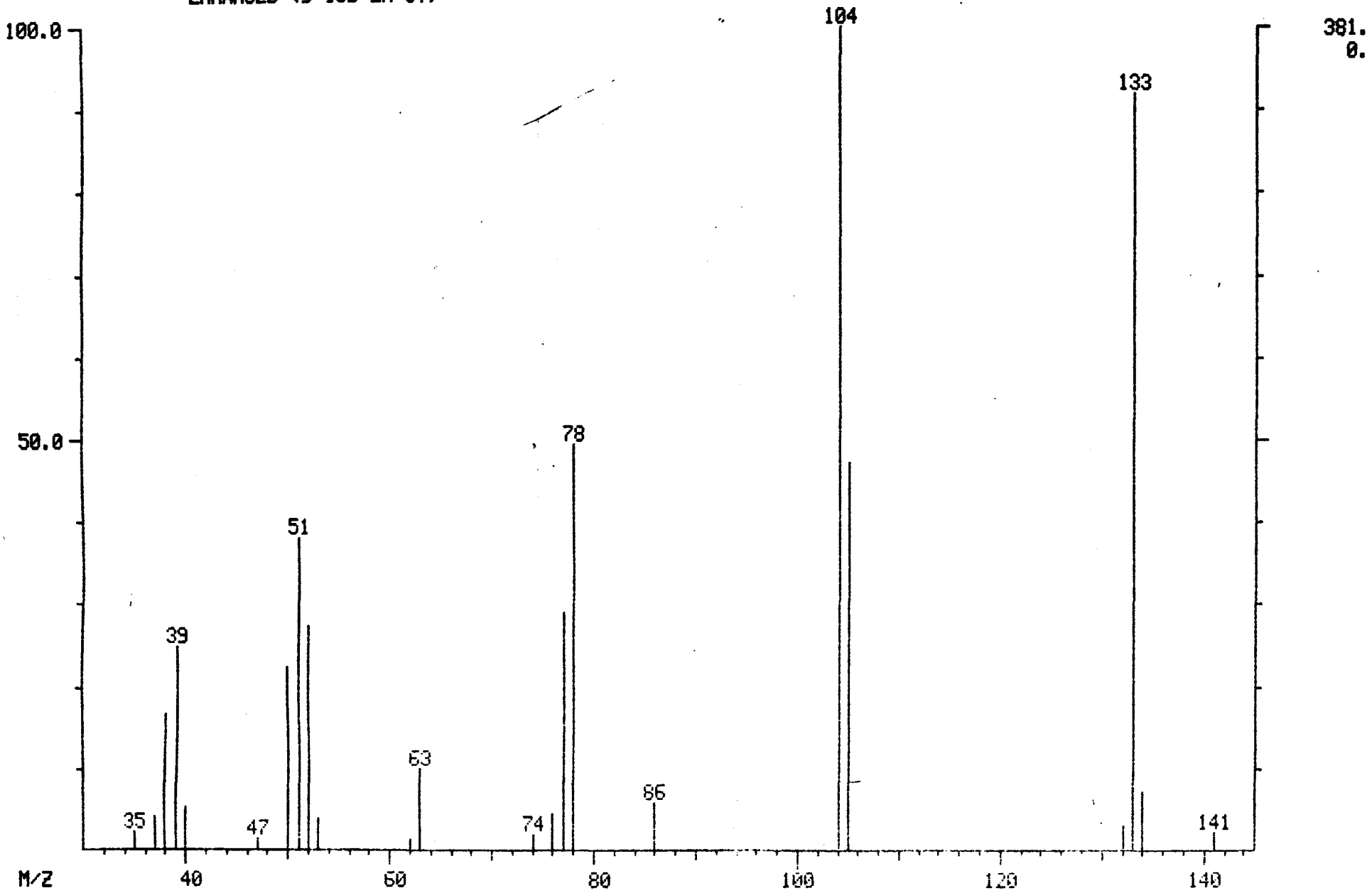
BASE M/Z: 91
RIC: 1400.



MASS SPECTRUM
04/22/91 13:12:00 + 19:14
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 193 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1940
CALI: APR22GK05 #3

BASE M/Z: 104
RIC: 1904.

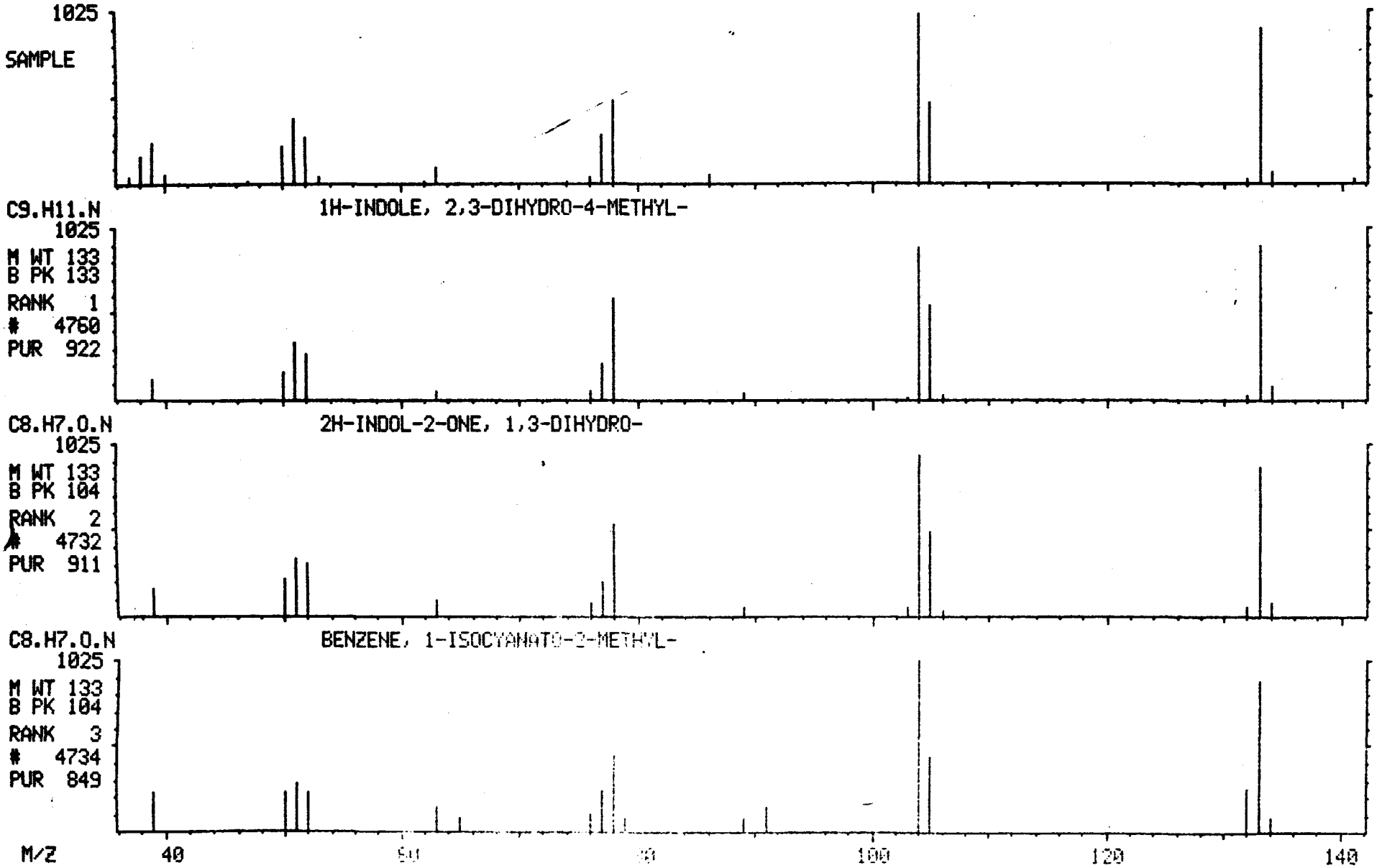


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 19:14
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1940
CALI: APR22GK05 # 3

BASE M/Z: 104
RIC: 1896.

001422

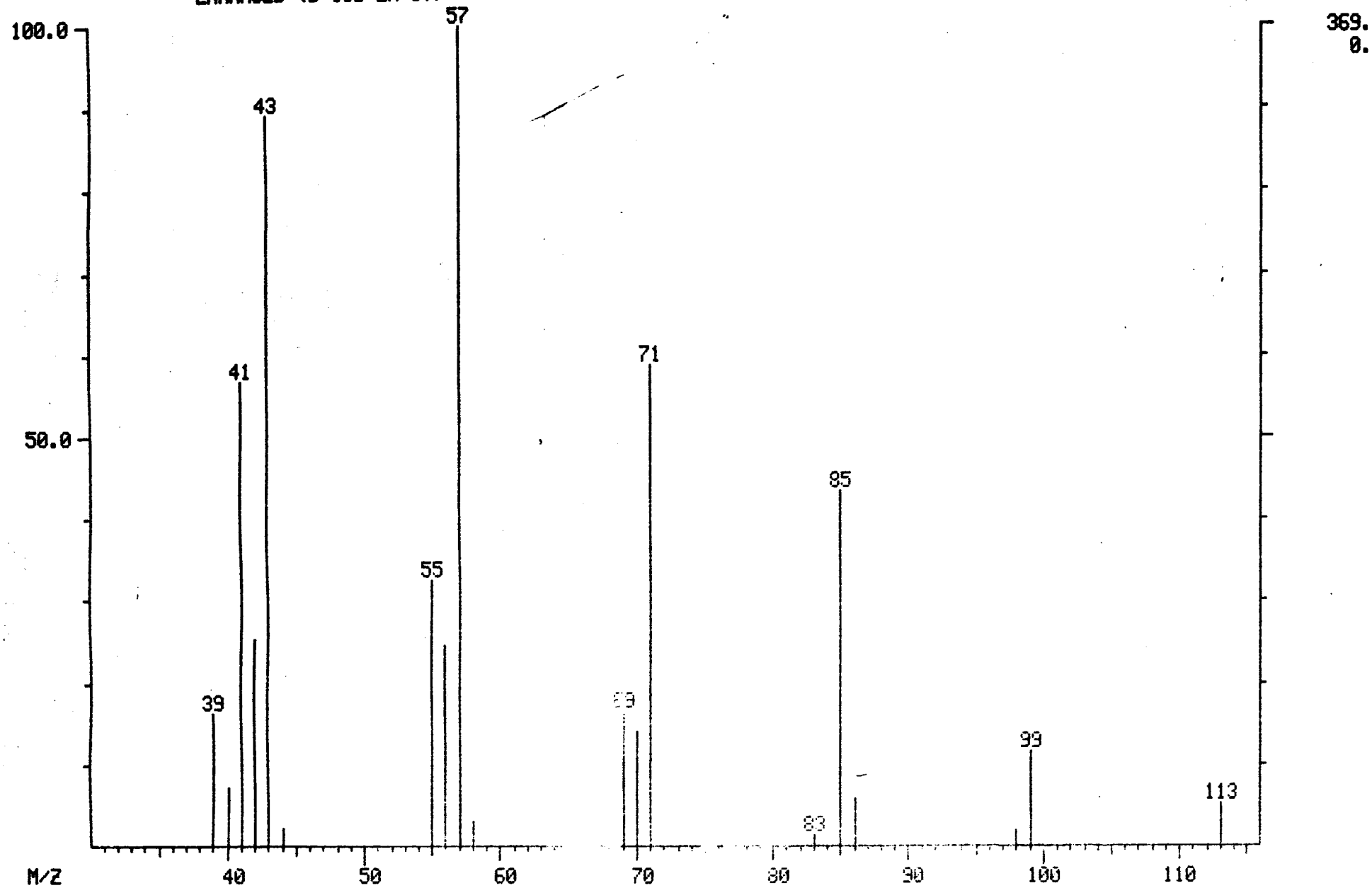


MASS SPECTRUM
04/22/91 13:12:00 + 19:23
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 195 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1956
CALI: APR22GK05 #3

BASE M/Z: 57
RIC: 1912.

001423

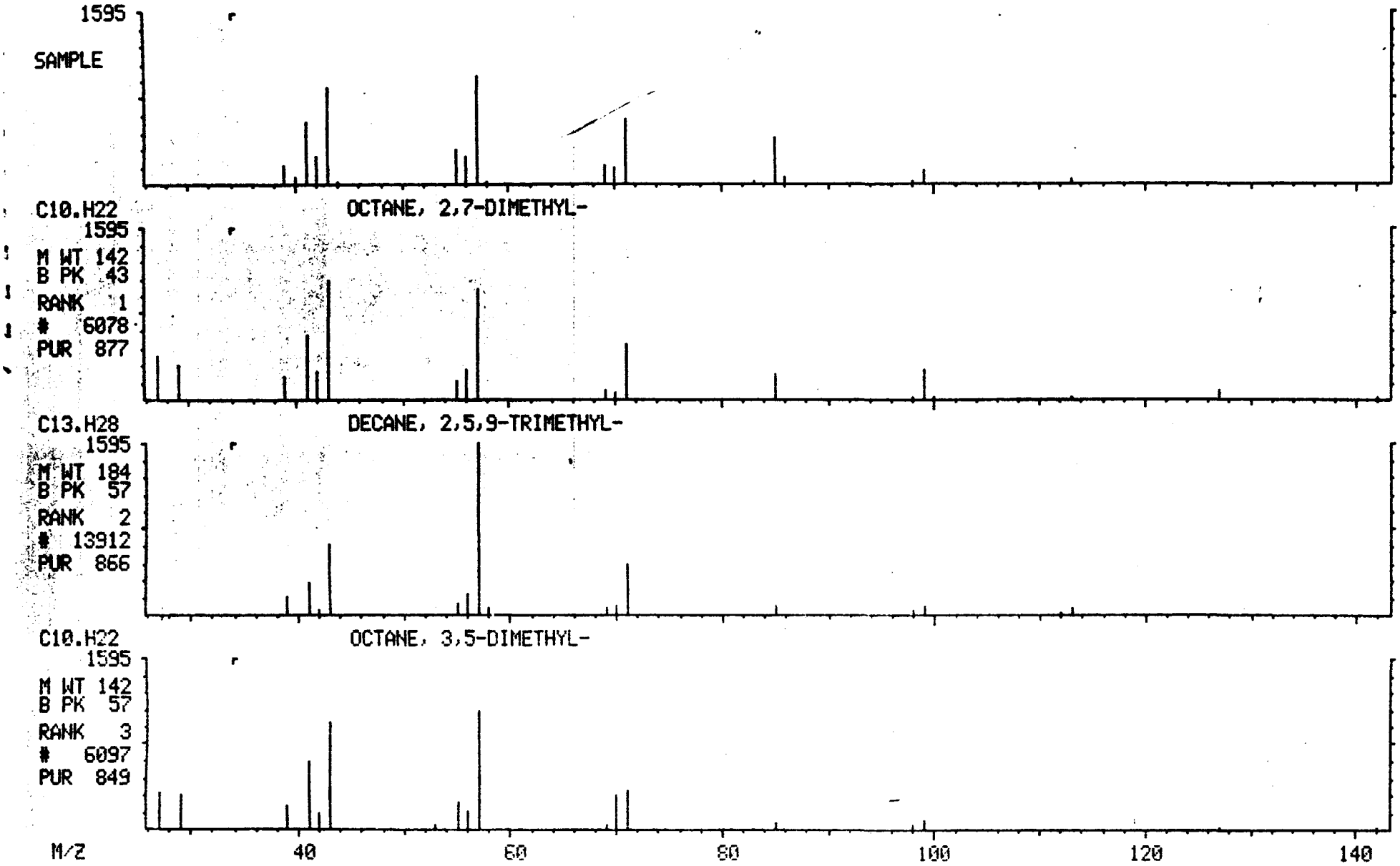


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 19:23
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #1956
CALI: APR22GK05 # 3

BASE M/Z: 57
RIC: 1912.

001424

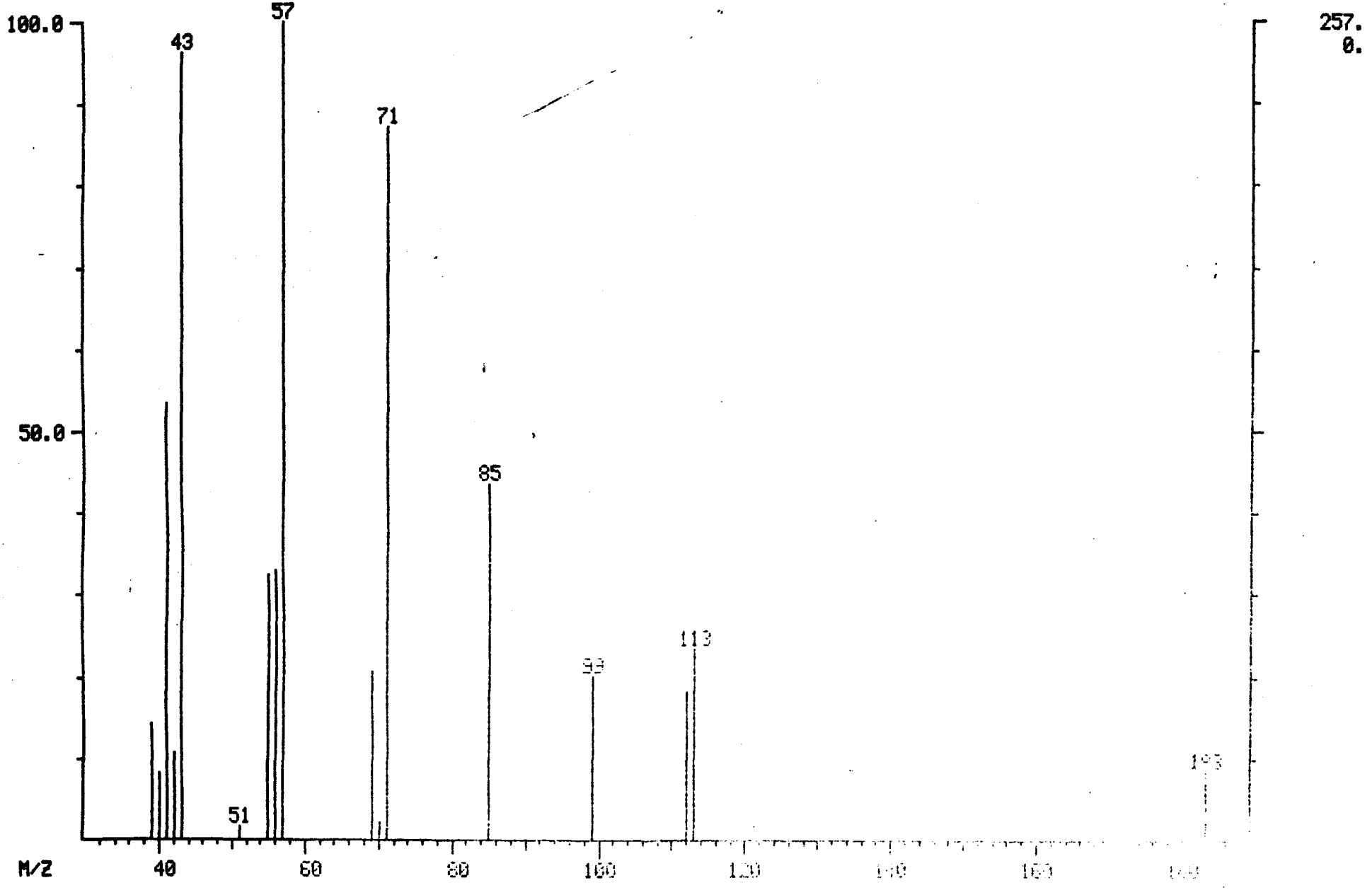


MASS SPECTRUM
04/22/91 13:12:00 + 21:59
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 221 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2217
CALI: APR22GK05 #3

BASE M/Z: 57
RIC: 1480.

001425

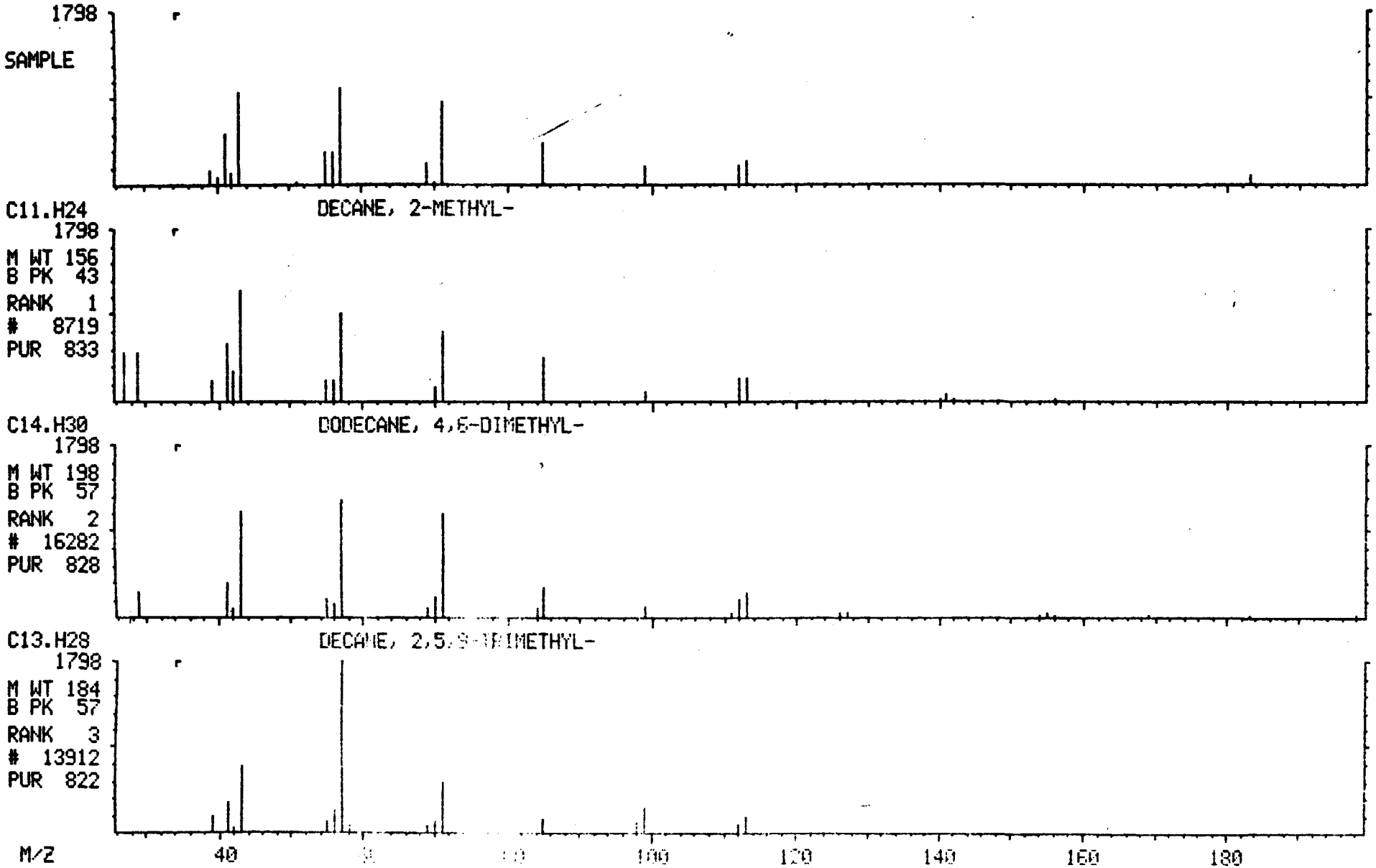


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 21:59
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2217
CALI: APR22GK05 # 3

BASE M/Z: 57
RIC: 1480.

001426

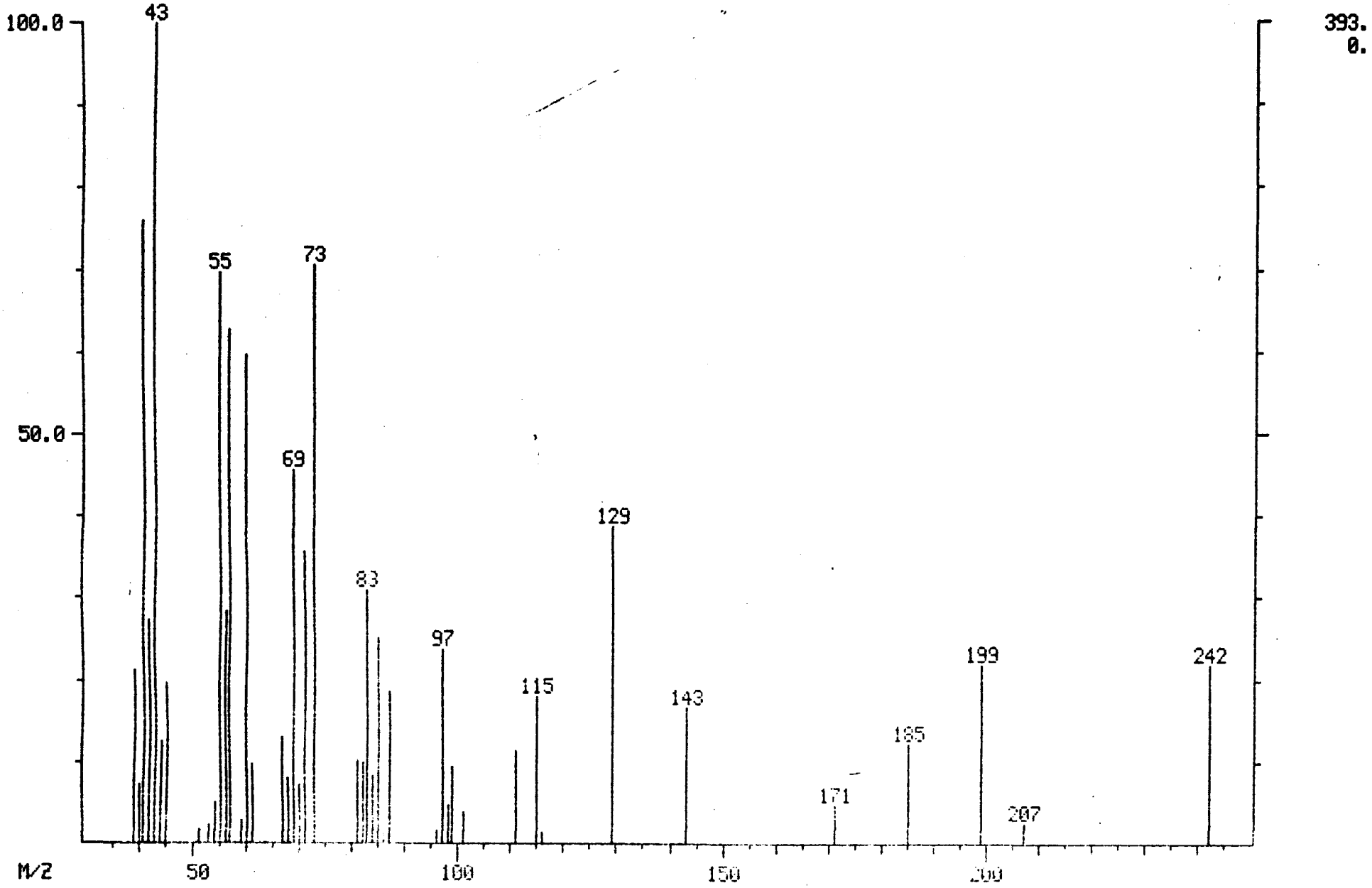


MASS SPECTRUM
04/22/91 13:12:00 + 23:18
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 234 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2350
CALI: APR22GK05 #3

BASE M/Z: 43
RIC: 3876.

001427

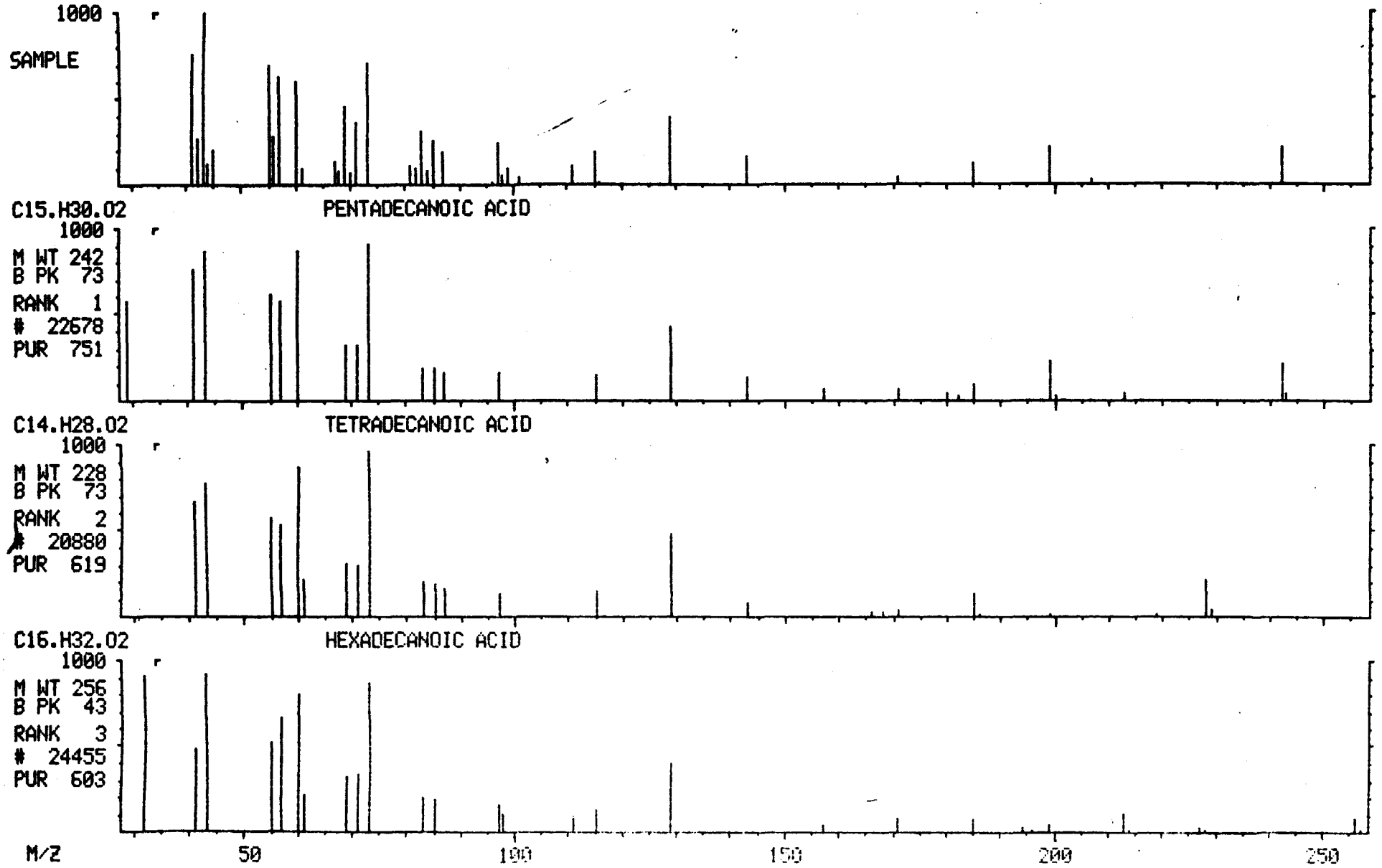


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 23:18
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2350
CALI: APR22GK05 # 3

BASE M/Z: 43
RIC: 3708.

001428

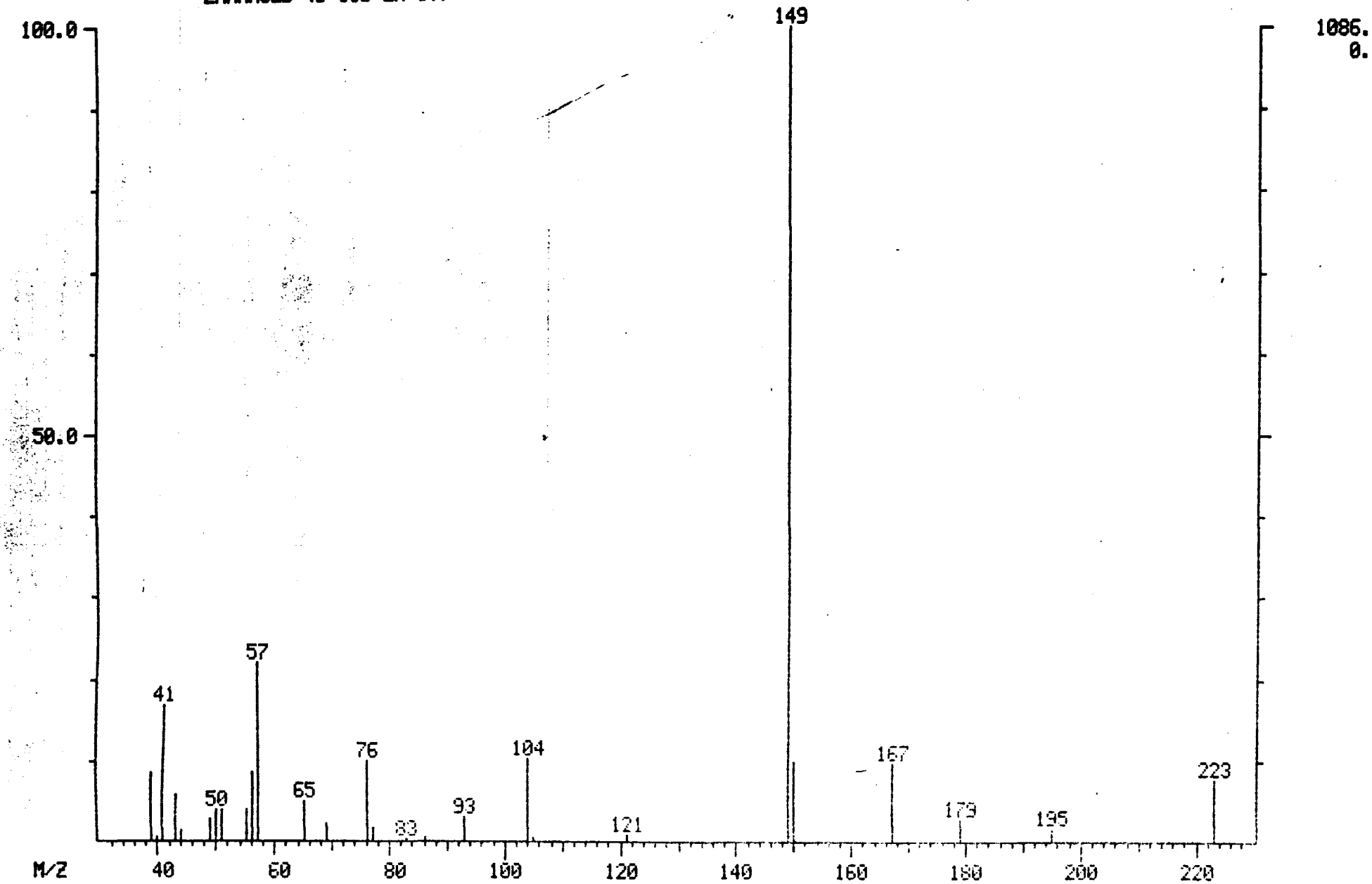


MASS SPECTRUM
04/22/91 13:12:00 + 24:00
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2421
CALI: APR22GK05 #3

BASE M/Z: 149
RIC: 2664.

001429

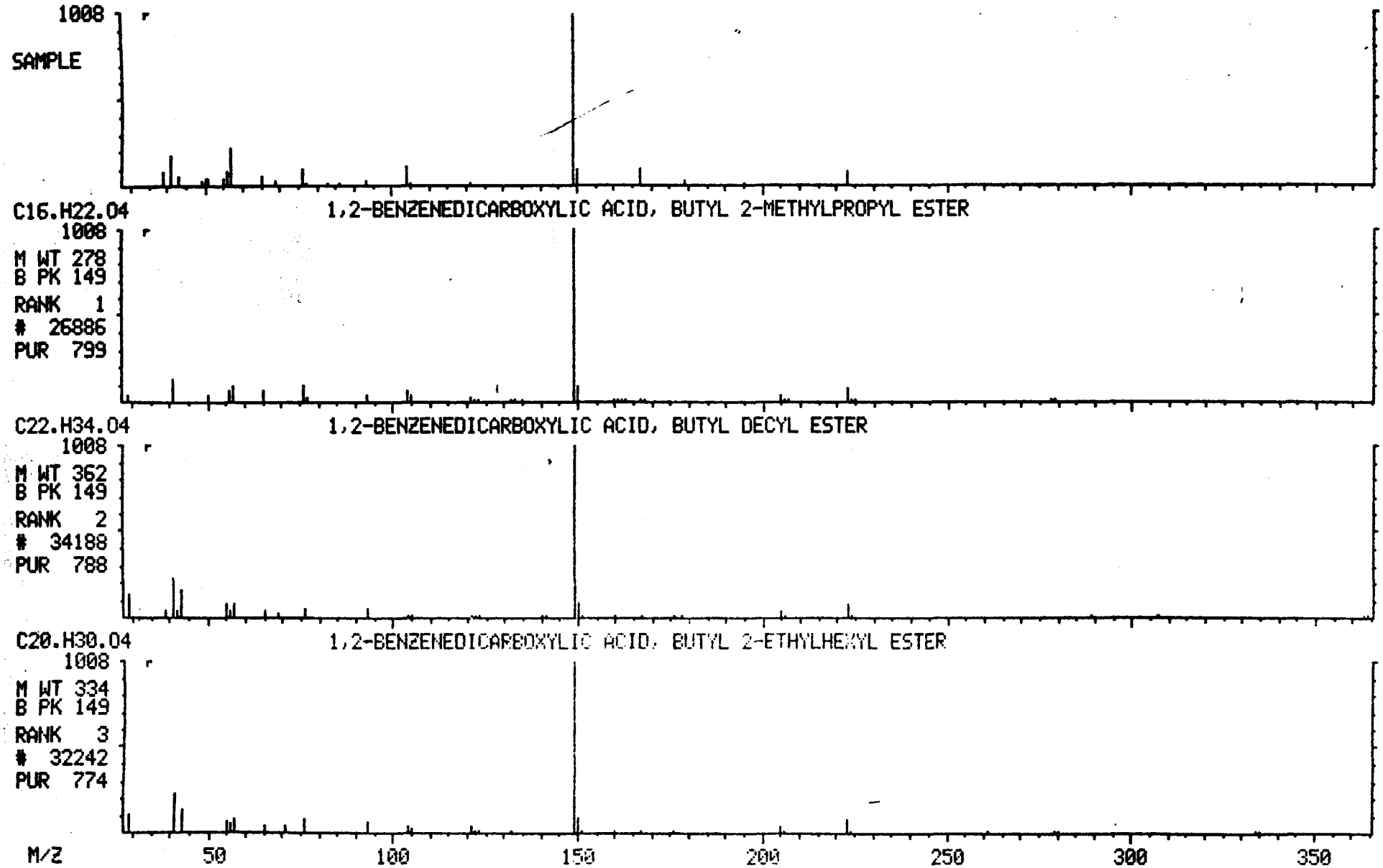


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 24:00
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2421
CALI: APR22GK05 # 3

BASE M/Z: 149
RIC: 2640.

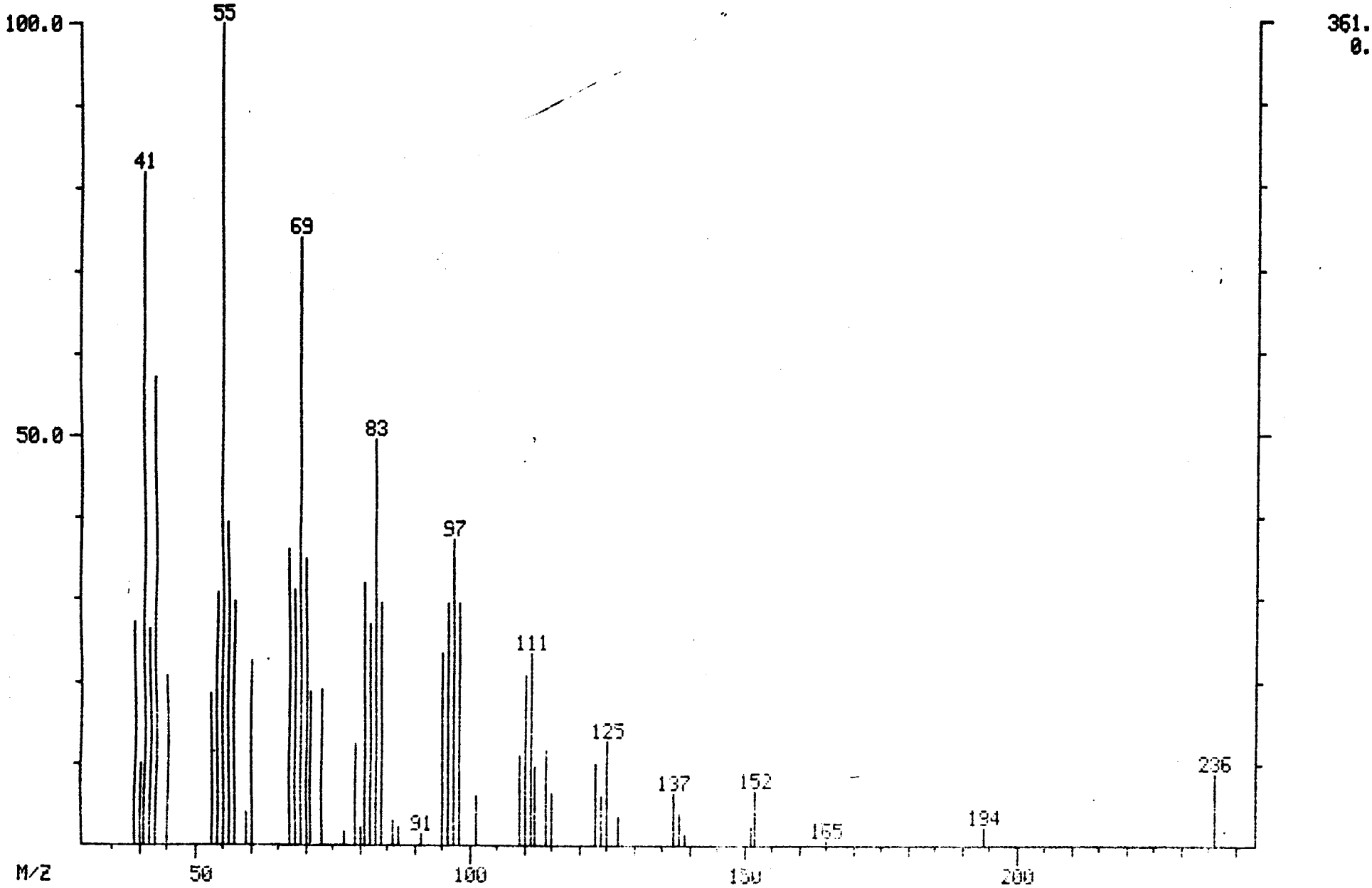
001430



MASS SPECTRUM
04/22/91 13:12:00 + 24:38
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 248 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2485
CALI: APR22GK05 #3

BASE M/Z: 55
RIC: 4068.

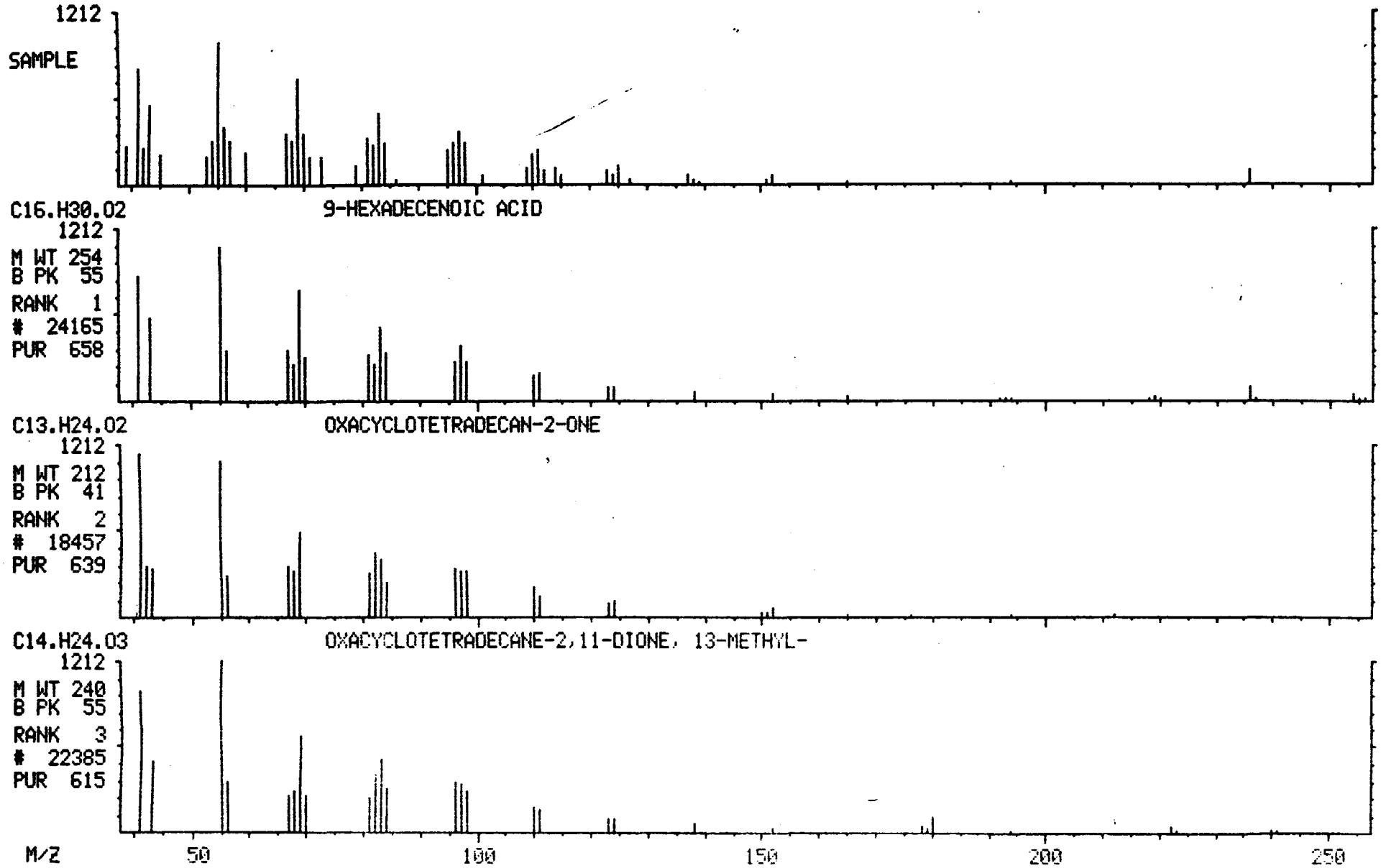


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 24:38
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2485
CALI: APR22GK05 # 3

BASE M/Z: 55
RIC: 3988.

001432

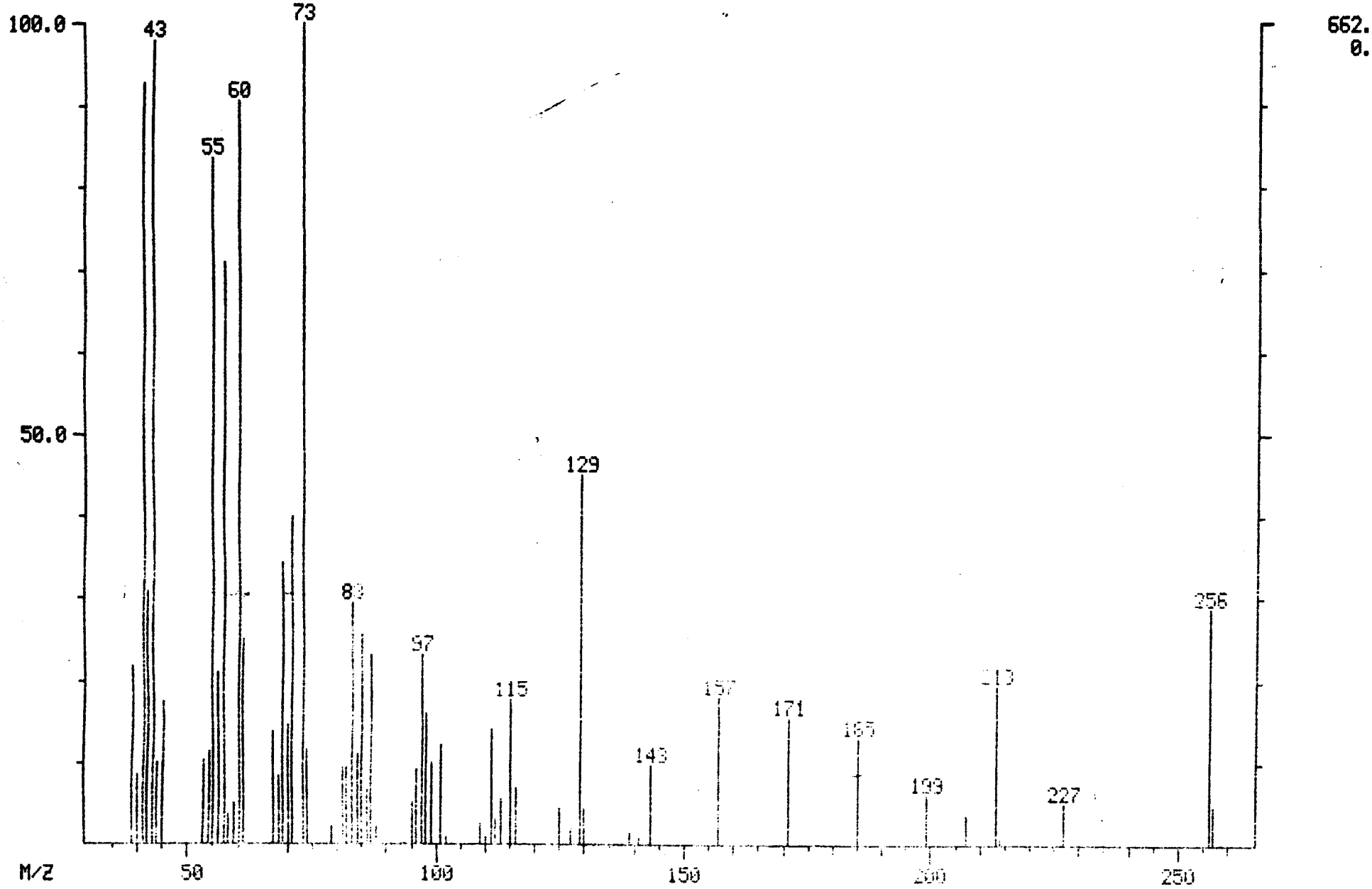


MASS SPECTRUM
04/22/91 13:12:00 + 24:48
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 249 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2502
CALI: APR22GK05 #3

BASE M/Z: 73
RIC: 8352.

001433

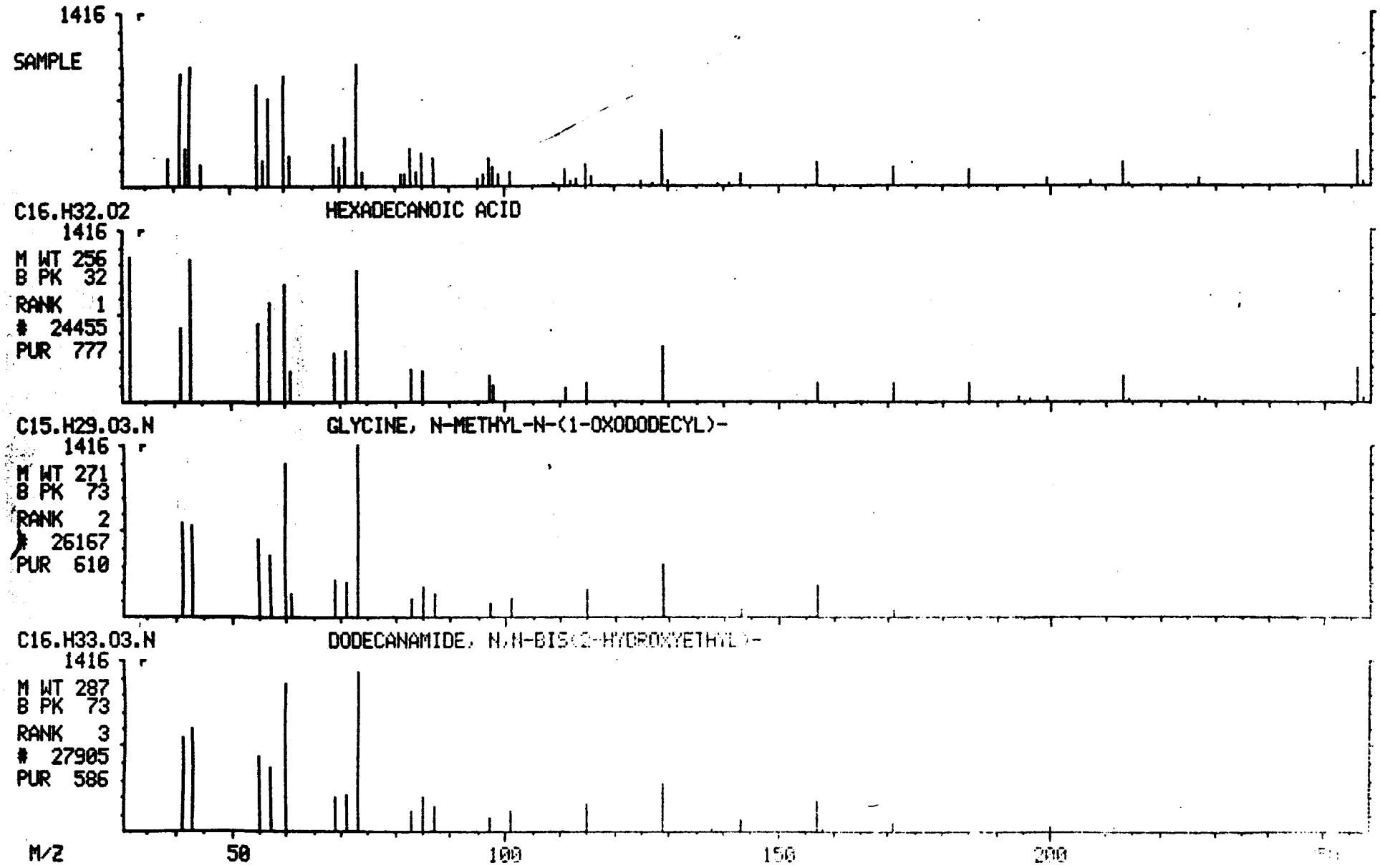


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 24:48
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2502
CALI: APR22GK05 # 3

BASE M/Z: 73
RIC: 7784.

001434

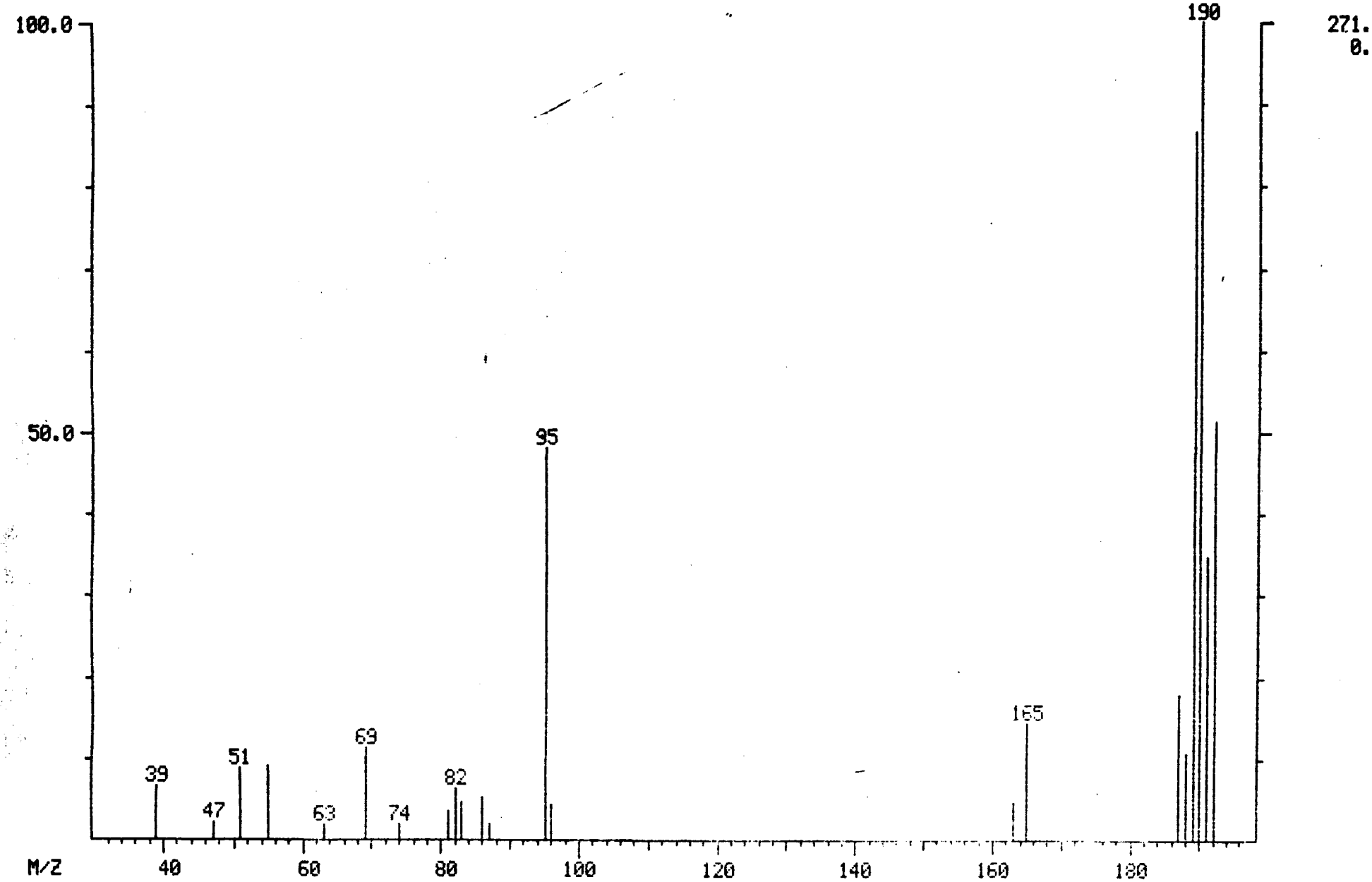


MASS SPECTRUM
04/22/91 13:12:00 + 25:05
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 252 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2530
CALI: APR22GK05 #3

BASE M/Z: 190
RIC: 1186.

00143

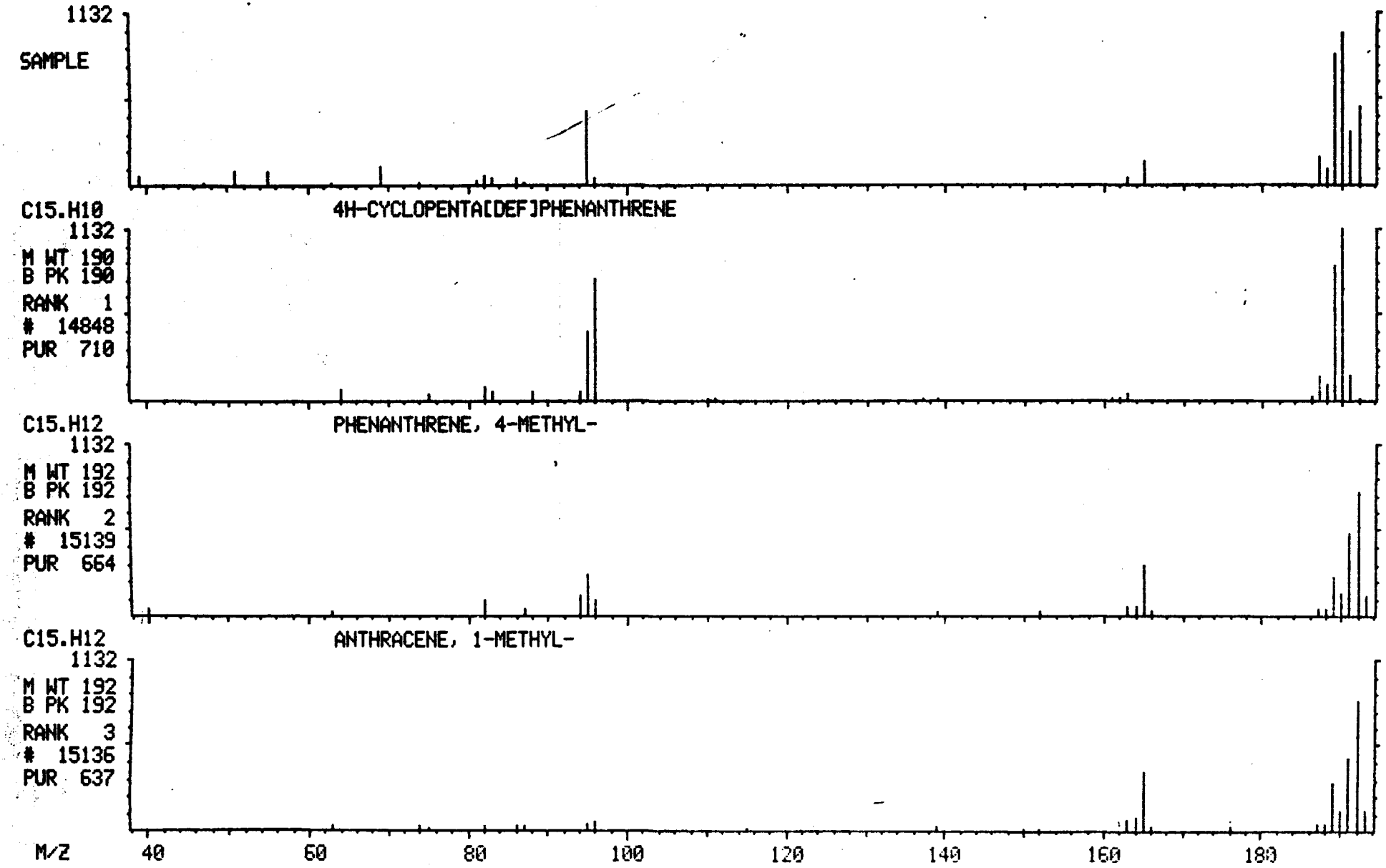


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 25:05
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2530
CALI: APR22GK05 # 3

BASE M/Z: 190
RIC: 1186.

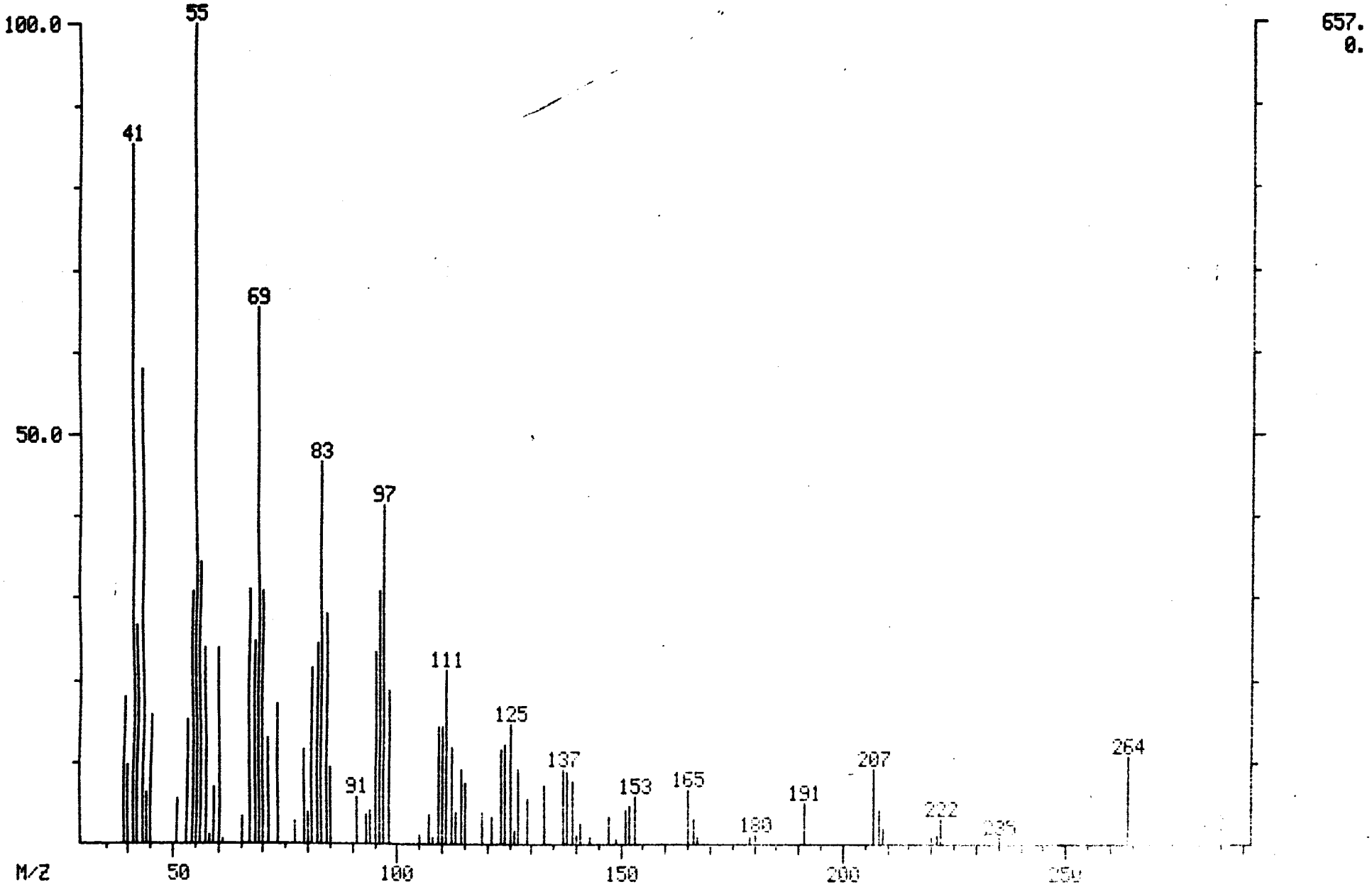
001436



MASS SPECTRUM
04/22/91 13:12:00 + 26:42
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 269 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2694
CALI: APR22GK05 #3

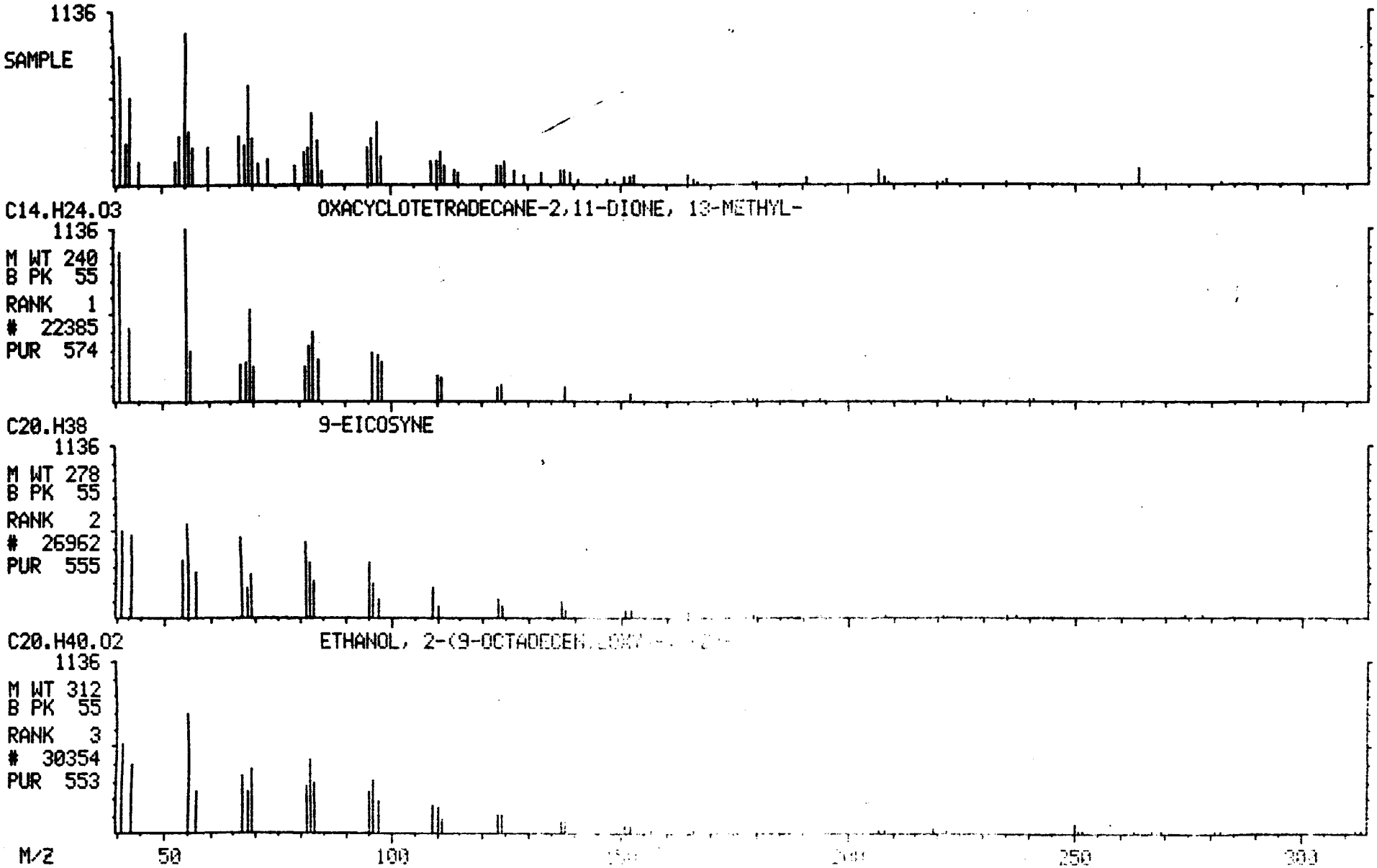
BASE M/Z: 55
RIC: 7800.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 26:42
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2694
CALI: APR22GK05 # 3

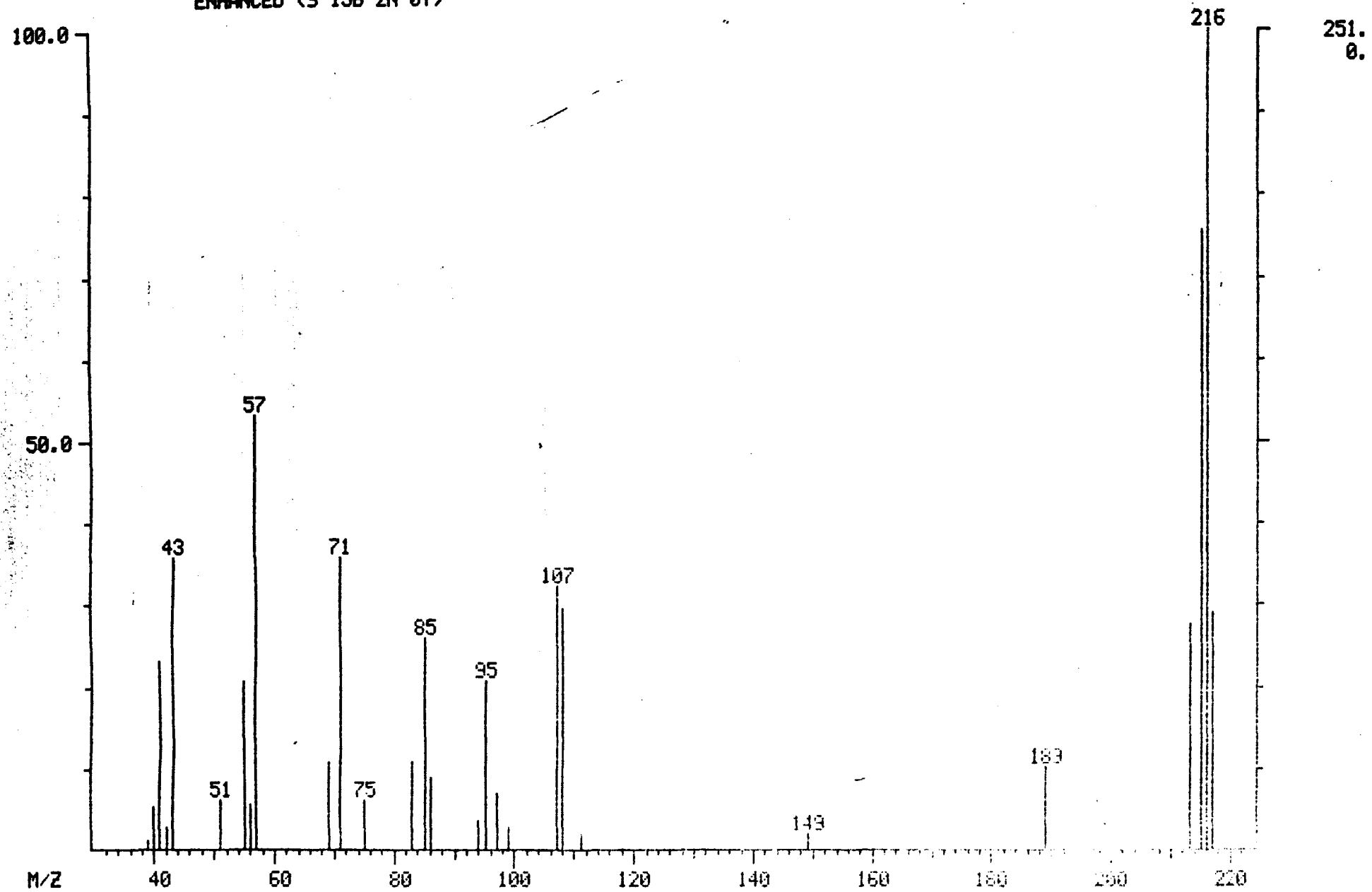
BASE M/Z: 55
RIC: 7192.



MASS SPECTRUM
04/22/91 13:12:00 + 28:09
SAMPLE: 90902 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: APR22GK05 #2840
CALI: APR22GK05 #3

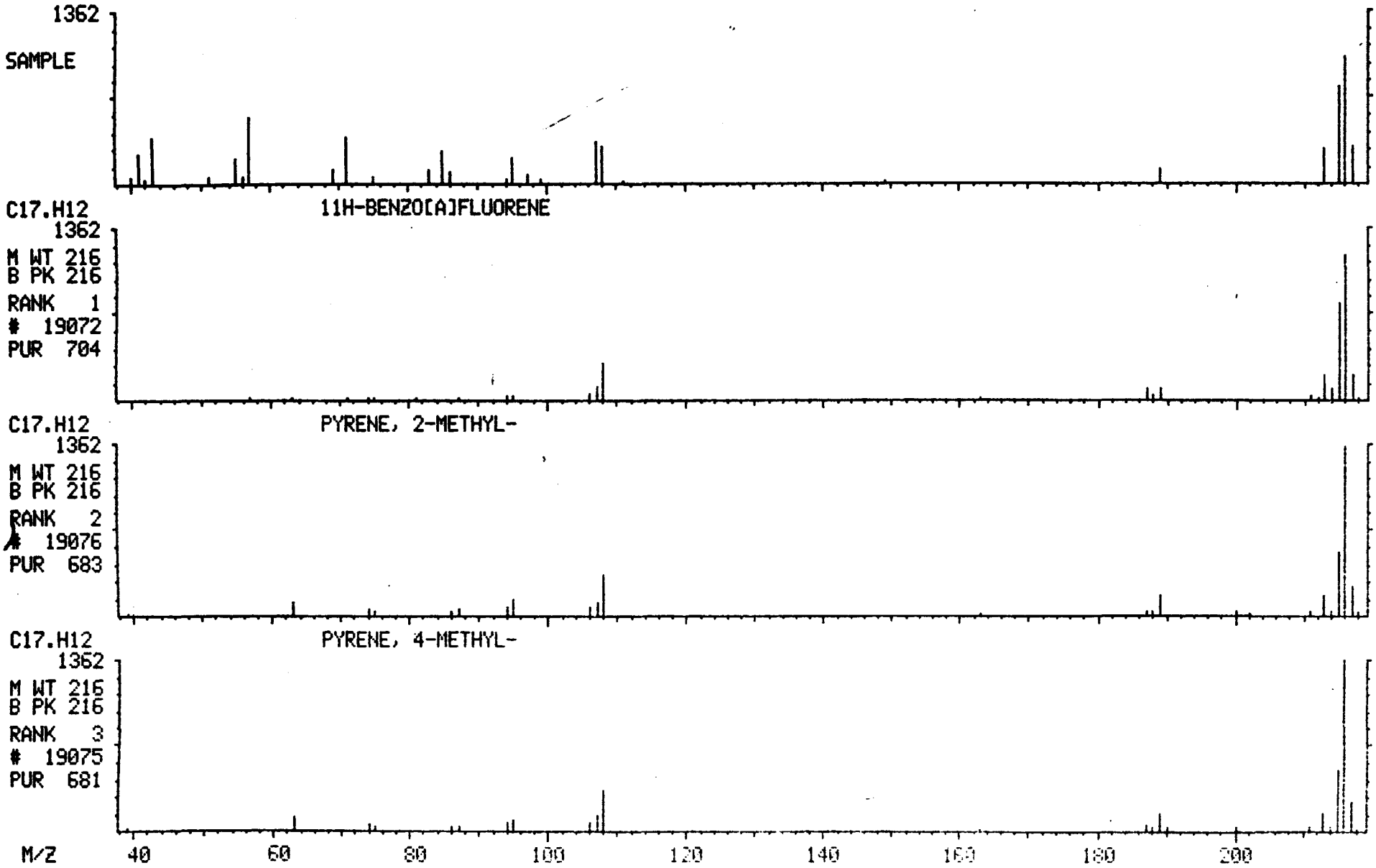
BASE M/Z: 216
RIC: 1494.



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 28:09
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #2840
CALI: APR22GK05 # 3

BASE M/Z: 216
RIC: 1490.

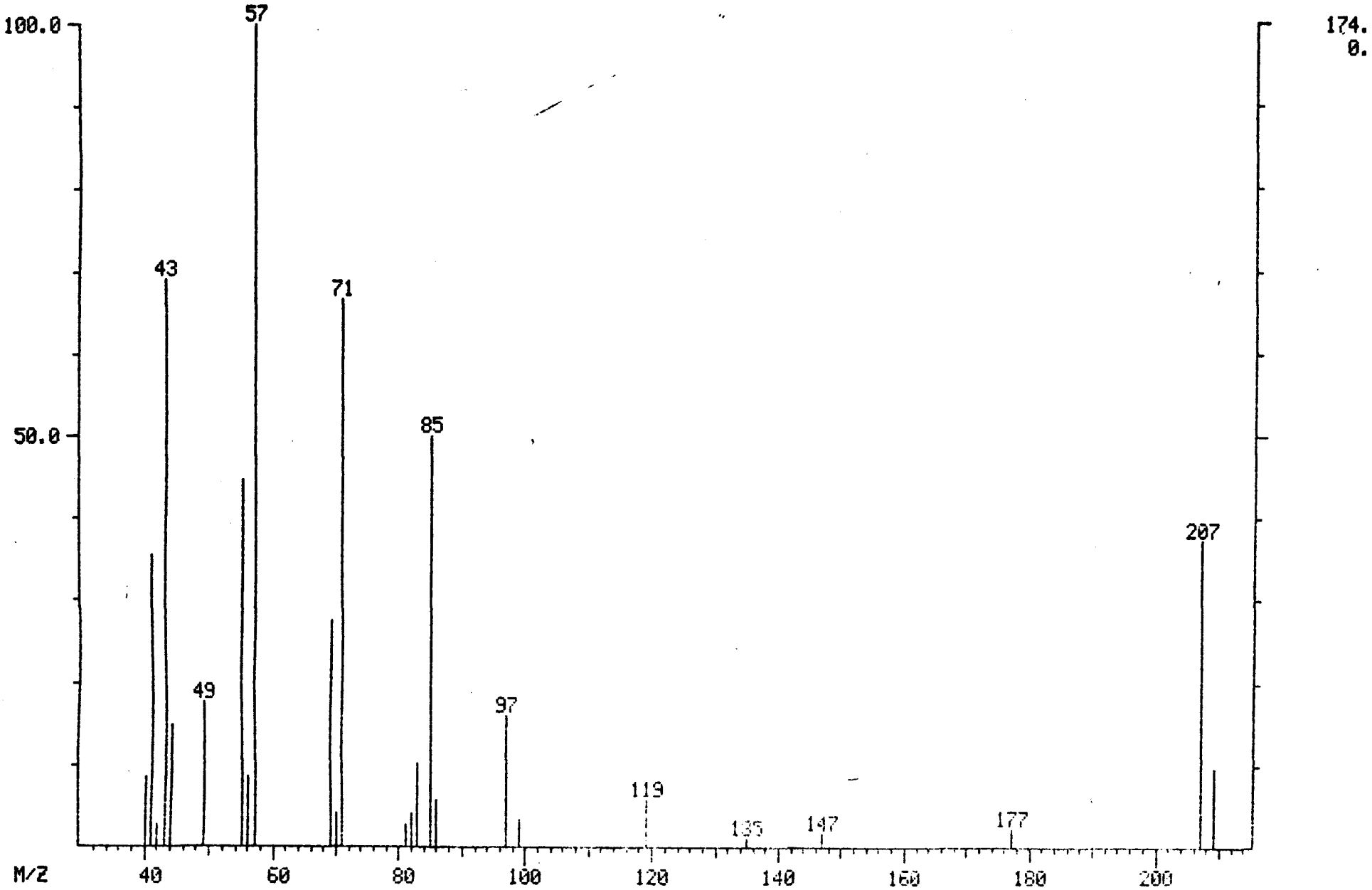


MASS SPECTRUM
04/22/91 13:12:00 + 30:28
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3073
CALI: APR22GK05 #3

BASE M/Z: 57
RIC: 959.

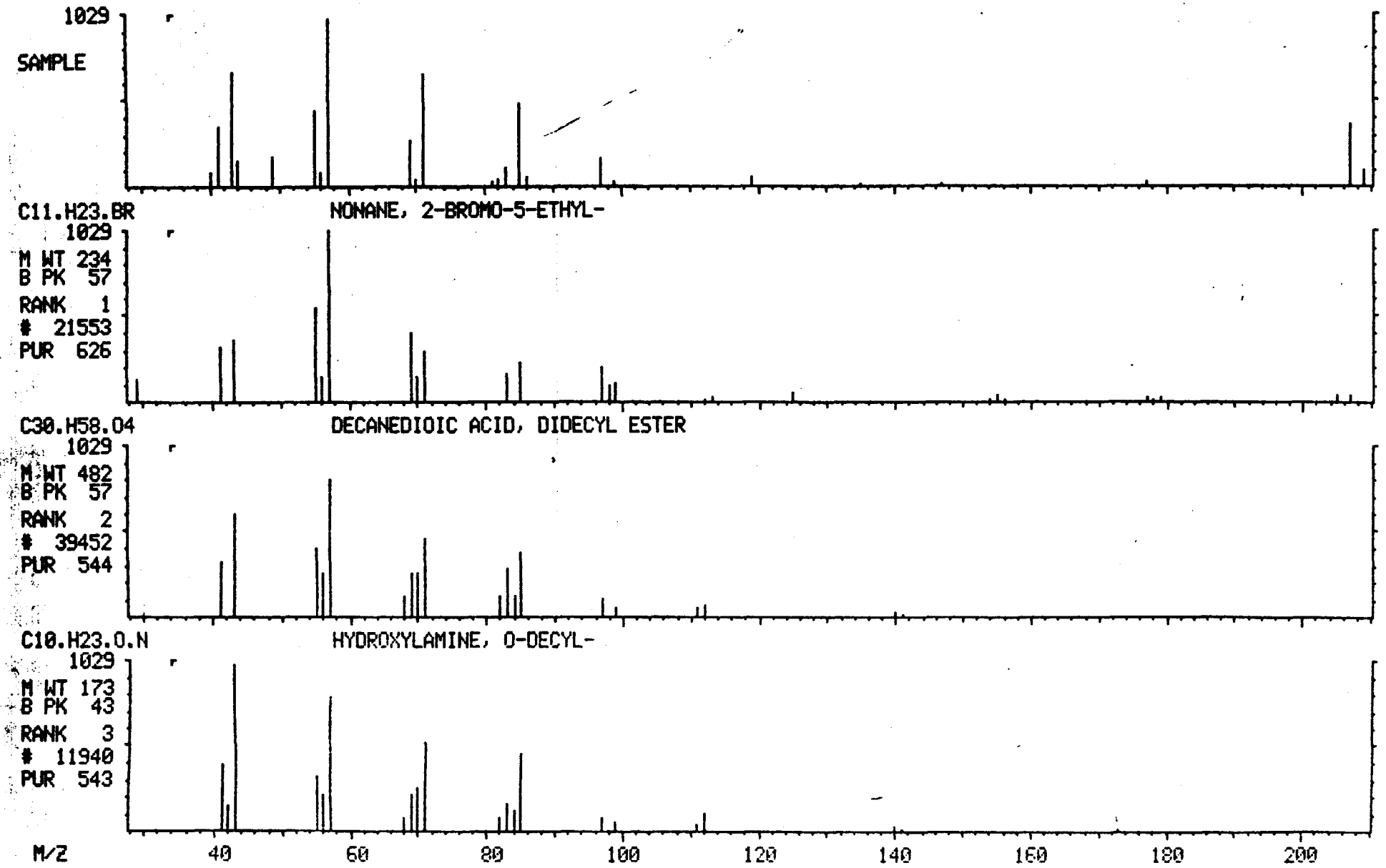
001441



MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 13:12:00 + 30:28
SAMPLE: 90902 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK05 #3073
CALI: APR22GK05 # 3

BASE M/Z: 57
RIC: 954.



004442

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

.ab Name: ILLINOIS EPA Contract: _____

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

latrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR22GK04

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

% Moisture: not dec. 13 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	750	U
111-44-4	bis(2-Chloroethyl)Ether	750	U
95-57-8	2-Chlorophenol	750	U
541-73-1	1,3-Dichlorobenzene	750	U
106-46-7	1,4-Dichlorobenzene	750	U
100-51-6	Benzyl Alcohol	750	U
95-50-1	1,2-Dichlorobenzene	750	U
95-48-7	2-Methylphenol	750	U
39638-32-9	bis(2-Chloroisopropyl)Ether	750	U
106-44-5	4-Methylphenol	750	U
621-64-7	N-Nitroso-Di-n-Propylamine	750	U
67-72-1	Hexachloroethane	750	U
98-95-3	Nitrobenzene	750	U
78-59-1	Isophorone	750	U
88-75-5	2-Nitrophenol	750	U
105-67-9	2,4-Dimethylphenol	750	U
65-85-0	Benzoic Acid	3700	U
111-91-1	bis(2-Chloroethoxy)Methane	750	U
120-83-2	2,4-Dichlorophenol	750	U
120-82-1	1,2,4-Trichlorobenzene	750	U
91-20-3	Naphthalene	750	U
106-47-8	4-Chloroaniline	750	U
87-68-3	Hexachlorobutadiene	750	U
59-50-7	4-Chloro-3-Methylphenol	750	U
91-57-6	2-Methylnaphthalene	750	U
77-47-4	Hexachlorocyclopentadiene	750	U
88-06-2	2,4,6-Trichlorophenol	750	U
95-95-4	2,4,5-Trichlorophenol	3700	U
91-58-7	2-Chloronaphthalene	750	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethyl Phthalate	750	U
208-96-8	Acenaphthylene	750	U
606-20-2	2,6-Dinitrotoluene	750	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR22GK04

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

% Moisture: not dec. 13 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	3700	U
83-32-9	Acenaphthene	750	U
51-28-5	2,4-Dinitrophenol	3700	U
100-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	750	U
121-14-2	2,4-Dinitrotoluene	750	U
84-66-2	Diethylphthalate	750	U
7005-72-3	4-Chlorophenyl-phenylether	750	U
86-73-7	Fluorene	750	U
100-10-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-Methylphenol	3700	U
86-30-6	N-Nitrosodiphenylamine (1)	750	U
101-55-3	4-Bromophenyl-phenylether	750	U
118-74-1	Hexachlorobenzene	750	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	750	U
120-12-7	Anthracene	750	U
84-74-2	Di-n-Butylphthalate	750	U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	750	U
91-94-1	3,3'-Dichlorobenzidine	1500	U
56-55-3	Benzo(a)Anthracene	750	U
218-01-9	Chrysene	190	J
117-81-7	bis(2-Ethylhexyl)Phthalate	750	U
117-84-0	Di-n-Octyl Phthalate	750	U
205-99-2	Benzo(b)Fluoranthene	750	U
207-08-9	Benzo(k)Fluoranthene	750	U
50-32-8	Benzo(a)Pyrene	750	U
193-39-5	Indeno(1,2,3-cd)Pyrene	750	U
53-70-3	Dibenz(a,h)Anthracene	750	U
191-24-2	Benzo(g,h,i)Perylene	750	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190903

Sample wt/vol: 30.2 (g/mL) G Lab File ID: APR22GK04

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

% Moisture: not dec. 13 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

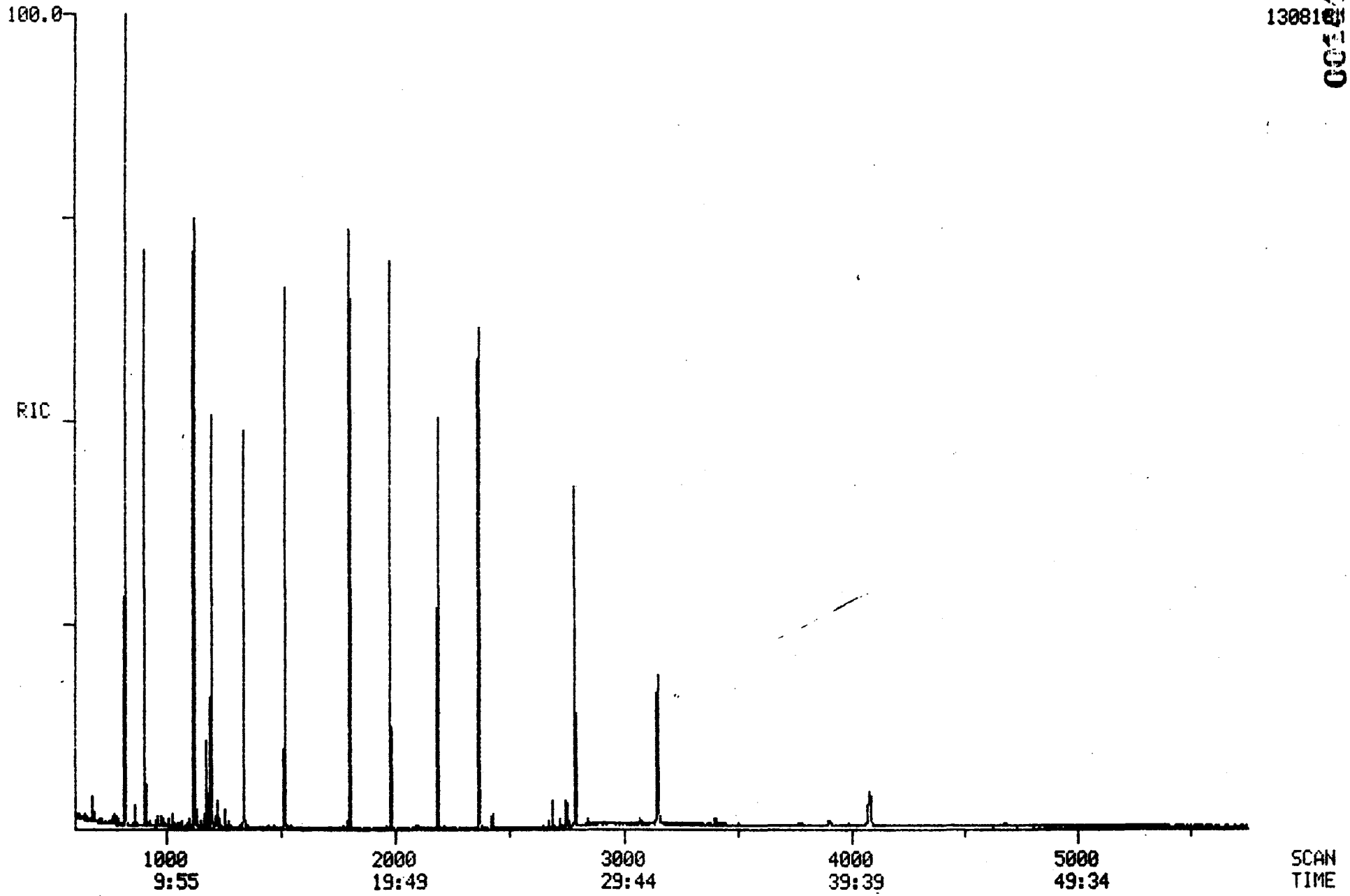
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.73	75	BJ
2.	UNKNOWN	7.60	25	BJ
3.	UNKNOWN ALIP. ALCOHOL	8.17	2300	BAJ
4.	UNKNOWN	8.60	48	J
5.	TETRACHLORO ETHANE	9.80	24	BJ
6.	UNKNOWN	10.20	57	BJ
7.	UNKNOWN	10.59	26	J
8.	UNKNOWN	11.24	44	BJ
9.	UNKNOWN	11.59	25	J
10.	UNKNOWN	11.69	230	BJ
11.	UNKNOWN	12.15	63	J
12.	UNKNOWN	12.22	16	BJ
13.	UNKNOWN	12.47	41	J
14.	UNKNOWN	12.65	17	BJ
15.	UNKNOWN PHTHALATE	24.02	34	J
16.	UNKNOWN ALIP. HYDROCARBON	28.17	18	J
17.	UNKNOWN ALIP. HYDROCARBON	30.47	24	J
18.	UNKNOWN ALIP. HYDROCARBON	33.74	30	J
19.	UNKNOWN ALIP. HYDROCARBON	38.71	39	J

X1Φ4

RIC
04/22/91 12:05:00
SAMPLE: 90903 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: APR22GK04 #1 SCANS 600 TO 5750
CALI: APR22GK04 #3



1308100

4/22/91 12:05:00
Acquisition started

4/22/91 12:05:04
Acquire Run 3:APR22GK04 Starting
04/22/91 12:05:00 + 0:00 Free sectors: 15686 Scan: 0 of 5750
Sample: 90903 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 (DegC)	Rate (C/min)	Time (minutes) 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:	272 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 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 Core Pressure .....: 0.016 Torr
Separator/Source Pressure .....: 7.800 Torr

[illegible] 13:09.00
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan		per sec
Centroid	5750	5.2	3419.7	0.2	62342.	11.	18.

Quantitation Report File: APR22GK04

Data: APR22GK04.TI
04/22/91 12:05:00
Sample: 90903 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	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	1198	11:52	1	1.000	A BB	49424.	40.000 UG/L	4.57
2	94	1126	11:10	1	0.940	A BB	52.	0.047 UG/L	0.01
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	907	8:59	1	0.757	A BB	75986.	109.029 %	12.46
15	99	1124	11:08	1	0.938	A BB	84533.	109.278 %	12.49
16	136	1518	15:03	16	1.000	A BB	128634.	40.000 UG/L	4.57
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	[illegible]	[illegible]	[illegible]	[illegible]	1.003	A BB	176.	0.060 UG/L	0.01
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	[illegible]	[illegible]	[illegible]	16	0.883	A BB	59496.	95.976 %	10.97
31	[illegible]	[illegible]	[illegible]	31	1.000	A BB	63704.	40.000 UG/L	4.57
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1939	19:13	31	0.980	A BB	122.	0.043 UG/L	0.00
39	NOT FOUND								
40	153	1997	19:42	31	1.004	A BB	108.	0.067 UG/L	0.01
41	NOT FOUND								
42	NOT FOUND								
43	168	2027	20:06	31	1.024	A BB	36.	0.014 UG/L	0.00
44	NOT FOUND								
45	NOT FOUND								
46	149	2078	20:48	31	1.060	A BB	48.	0.023 UG/L	0.00
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1801	17:51	31	0.910	A BV	93166.	117.459 %	13.43

Quantitation Report File: APR22GK04

Data: APR22GK04.TI
04/22/91 12:05:00
Sample: 90903 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
31	0555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	0160 [illegible]-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	0[illegible] N-NITROSODIPHENYLAMINE
64	0[illegible] [illegible]-CHRYSENE (INTERNAL)
65	0[illegible] BUTYLBENZYLPHTHALATE
66	0[illegible] 3,3'-DICHLOROBENZIDINE
67	0730 BENZO(A)ANTHRACENE
68	0745 BIS(2-ETHYLHEXYL)PHTHALATE
69	0[illegible] CHRYSENE
70	0[illegible] [illegible]-TERPHENYL (SURROGATE)
71	0[illegible] [illegible]-PERYLENE (INTERNAL)
72	0[illegible] DI-N-OCTYLPHTHALATE
73	0[illegible] BENZO(B)FLUORANTHENE
74	0[illegible] BENZO(K)FLUORANTHENE
75	0[illegible] BENZO A)PYRENE
76	0[illegible] INDENO 1,2,3-CD)PYRENE
77	0[illegible] DIBENZO(A,H)ANTHRACENE
78	0[illegible] BENZO(G,H,I)PERYLENE

No	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
31	330 2187	21:41	31	1.105	A BB	16690.	99.257 %	11.35
52	188 2366	23:27	52	1.000	A BV	101032.	40.000 UG/L	4.57
53	NOT FOUND							
54	NOT FOUND							
55	NOT FOUND							
56	NOT FOUND							
57	178 2371	23:30	52	1.002	A BB	2436.	0.975 UG/L	0.11
58	178 2393	23:37	52	1.007	A BB	550.	0.217 UG/L	0.02
59	149 2525	25:02	52	1.067	A BB	854.	0.277 UG/L	0.03
60	202 2689	26:39	52	1.137	A BB	7062.	2.980 UG/L	0.34
61	NOT FOUND							
62	202 2749	27:15	52	1.162	A BB	6504.	2.787 UG/L	0.32
63	NOT FOUND							
64	240 2158	21:15	64	1.000	A BB	47621.	40.000 UG/L	4.57
65	[illegible] [illegible]	29:07	64	0.932	A BB	358.	0.376 UG/L	0.04

001451

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	228	3144	31:10	64	0.997	A BV	2402.	~~1.875 UG/L~~	0.21
68	149	3172	31:26	64	1.006	A BB	442.	~~0.463 UG/L~~	0.05
69	228	3162	31:21	64	1.003	A VB	2950.	2.475 UG/L	0.28
70	244	2788	27:38	64	0.885	A BB	64706.	84.757 %	9.69
71	264	4079	40:26	71	1.000	A BB	22685.	40.000 UG/L	4.57
72	NOT FOUND								
73	252	~~3770~~	37:22	71	0.924	A*BV	1832.	~~2.668 UG/L~~	0.31
74	252	3783	37:30	71	0.927	A*VB	1312.	~~1.870 UG/L~~	0.21
75	252	4030	39:57	71	0.988	A BB	1090.	~~1.774 UG/L~~	0.23
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

Quantitation Report File: APR22GK04A

Data: APR22GK04.TI
04/22/91 12:05:00
Sample: 90903 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) * 0.020
Resp. fac. from Library Entry

$\frac{497885}{330388} \times 40 \times \frac{1}{30.17} \times \frac{1}{100} = 0.020$

No	CAS #	Name
1	1576-87-0	2-PENTENAL, (E)-
2	75-36-5	ACETYL CHLORIDE (DOT)
3	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
4	557-40-4	1-PROPENE, 3,3'-OXYBIS-
5	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
6	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
7	21141-71-9	3-BUTENE-1,2-DIOL, 1-(2-FURANYL)-3-METHYL-
8	32780-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
9	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
10	1343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
11	1212-29-9	THIOUREA, N,N'-DICYCLOHEXYL-
12	32780-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
13	5989-54-8	CYCLOHEXENE, 1-METHYL-4-(1-METHYLETHENYL)-, (S)-
14	32780-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
15	4049-81-4	1,5-HEXADIENE, 2-METHYL-
16	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYL EST
17	3079-31-9	DODECANE, 1-(METHYLSULFINYL)-
18	54105-67-8	HEPTADECANE, 2,6-DIMETHYL-
19	[illegible]	TRIDECANE, 3-METHYL-
20	[illegible]	TRIDECANE, 3-METHYL-

		Time	Def	RRT	Meth	Area(Hght)	Amount	%Tot
1	[illegible]	[illegible]	3	0.824	A BB	16091.UNK	0.065B	2.35
2	[illegible]	[illegible]	3	0.930	A BB	5418.UNK	0.022B	0.79
3	[illegible]	[illegible]	3	1.000	A BB	497885.Alpol	2.000BA	72.67
4	[illegible]	[illegible]	3	1.052	A BB	10574.UNK	0.042	1.54
5	[illegible]	[illegible]	3	1.200	A BB	5274.Below	0.021B	0.77
6	[illegible]	10:12	3	1.249	A BB	12422.UNK	0.050B	1.81
7	[illegible]	10:35	3	1.296	A BB	5781.UNK	0.023	0.84
8	[illegible]	11:14	3	1.376	A VB	9511.UNK	0.038B	1.39
9	[illegible]	11:35	3	1.419	A BB	5526.UNK	0.022	0.81
10	1179	11:41	3	1.431	A BB	48850.UNK	0.196B	7.13
11	~~[illegible]~~	12:04	3	1.477	A BB	~~6130~~	0.025	0.89
12	1226	12:18	3	1.488	A VV	13771.UNK	0.055B	2.01
13	[illegible]	12:19	3	1.495	A VB	3576.UNK	0.014	0.52
14	1259	12:28	3	1.527	A BB	9079.UNK	0.036	1.33
15	1276	12:39	3	1.549	A BB	3647.UNK	0.015B	0.53
16	[illegible]	[illegible]	3	2.941	A BB	7532.Misc Phth	0.030	1.10
17	2842	28:10	3	3.449	A BB	3938.HC	0.016	0.57
18	3074	[illegible]	3	3.731	A BB	5140.HC	0.021	0.75
19	[illegible]	[illegible]	3	4.131	A BB	6398.HC	0.026	0.93
20	[illegible]	[illegible]	3	4.738	A BB	8551.HC	0.034	1.25

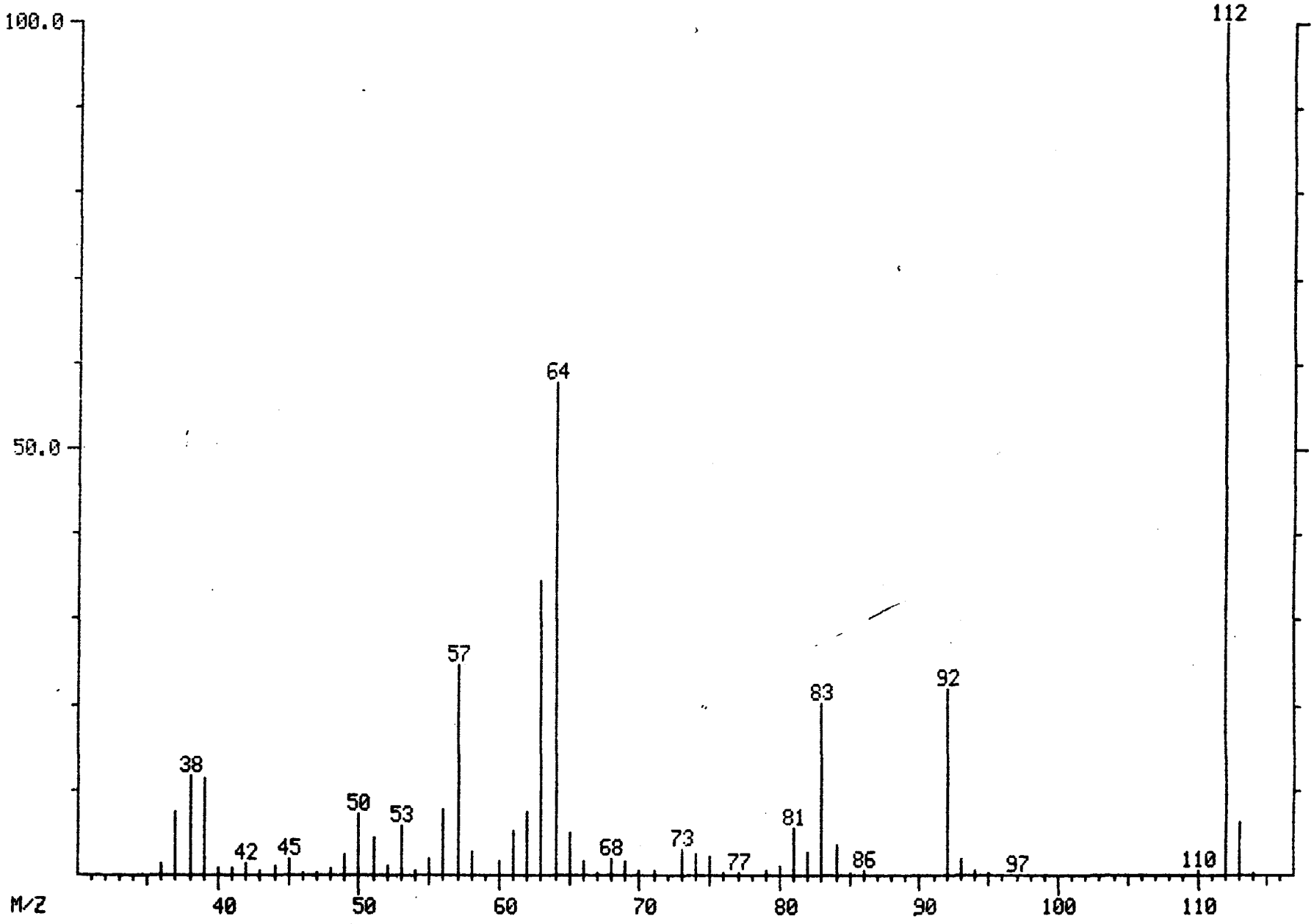
Tetrachloro Ethane #5

TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 12:05:00 + 8:59
SAMPLE: 90903 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: APR22GK04 #907
CALI: APR22GK04 #3

BASE M/Z: 112
RIC: 86912.

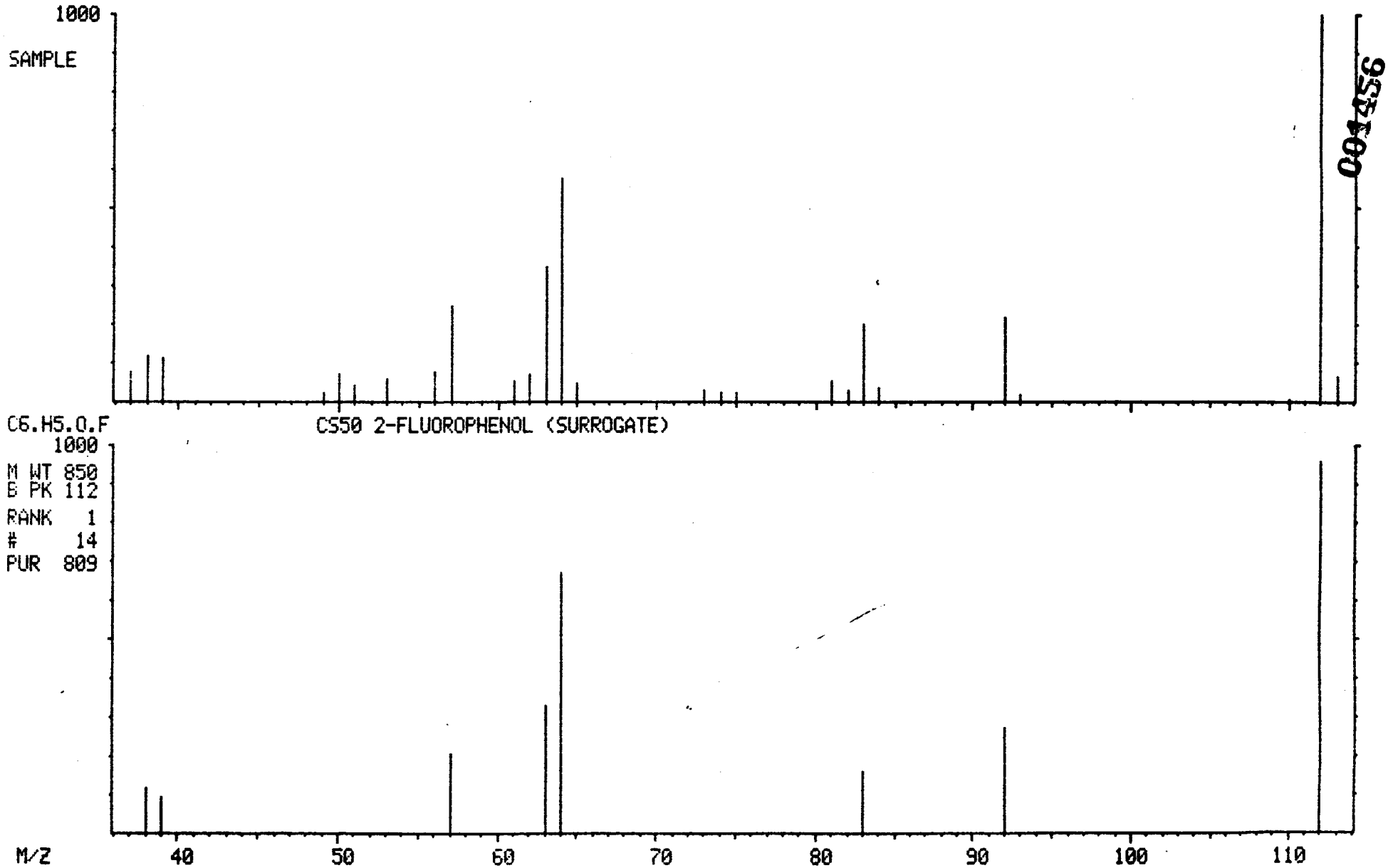


001455

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 8:59
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 907
CALI: APR22GK04 # 3

BASE M/Z: 112
RIC: 80512.

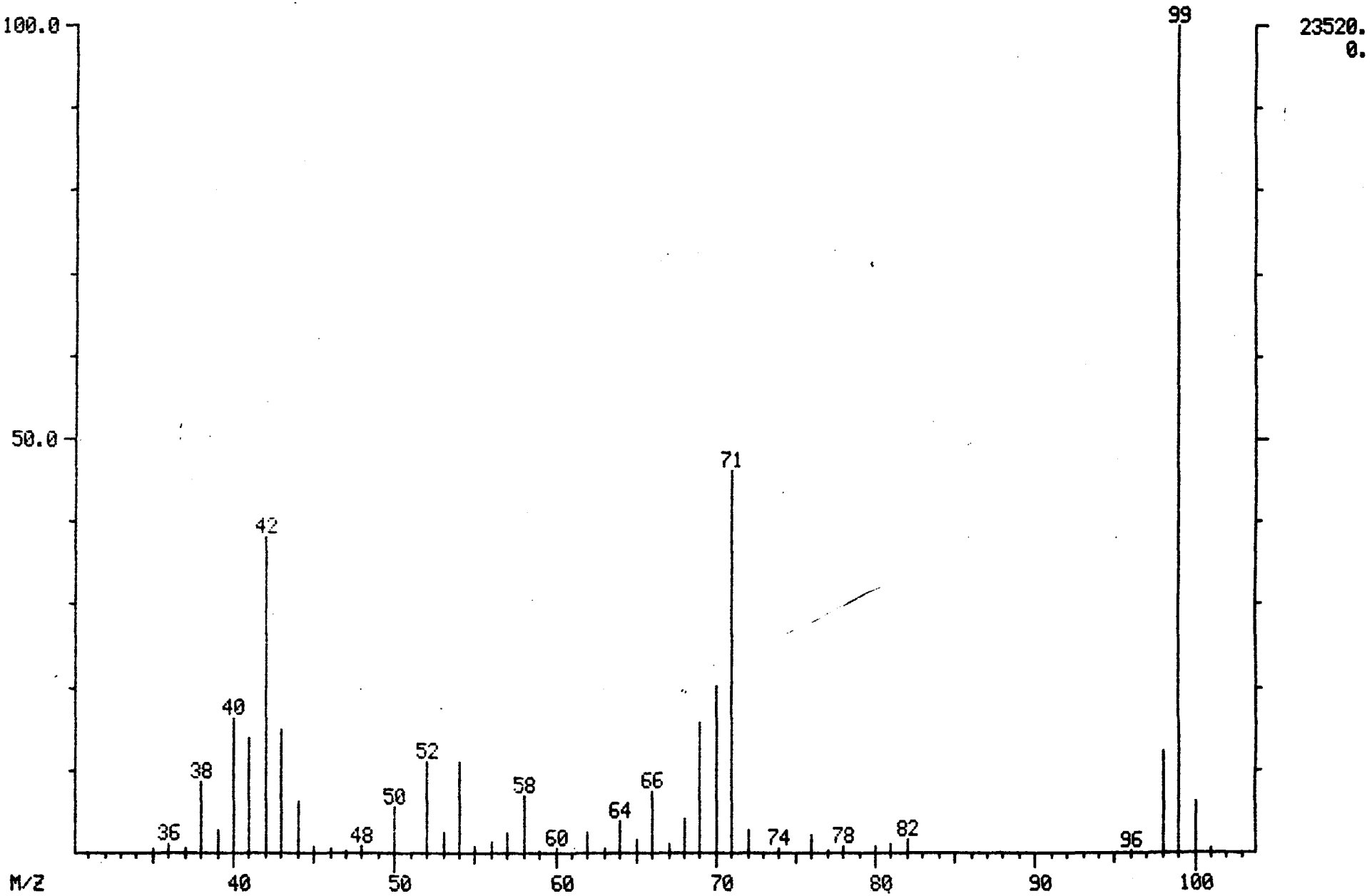


001456

MASS SPECTRUM
04/22/91 12:05:00 + 11:08
SAMPLE: 90303 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: APR22GK04 #1124
CALI: APR22GK04 #3

BASE M/Z: 99
RIC: 89600.

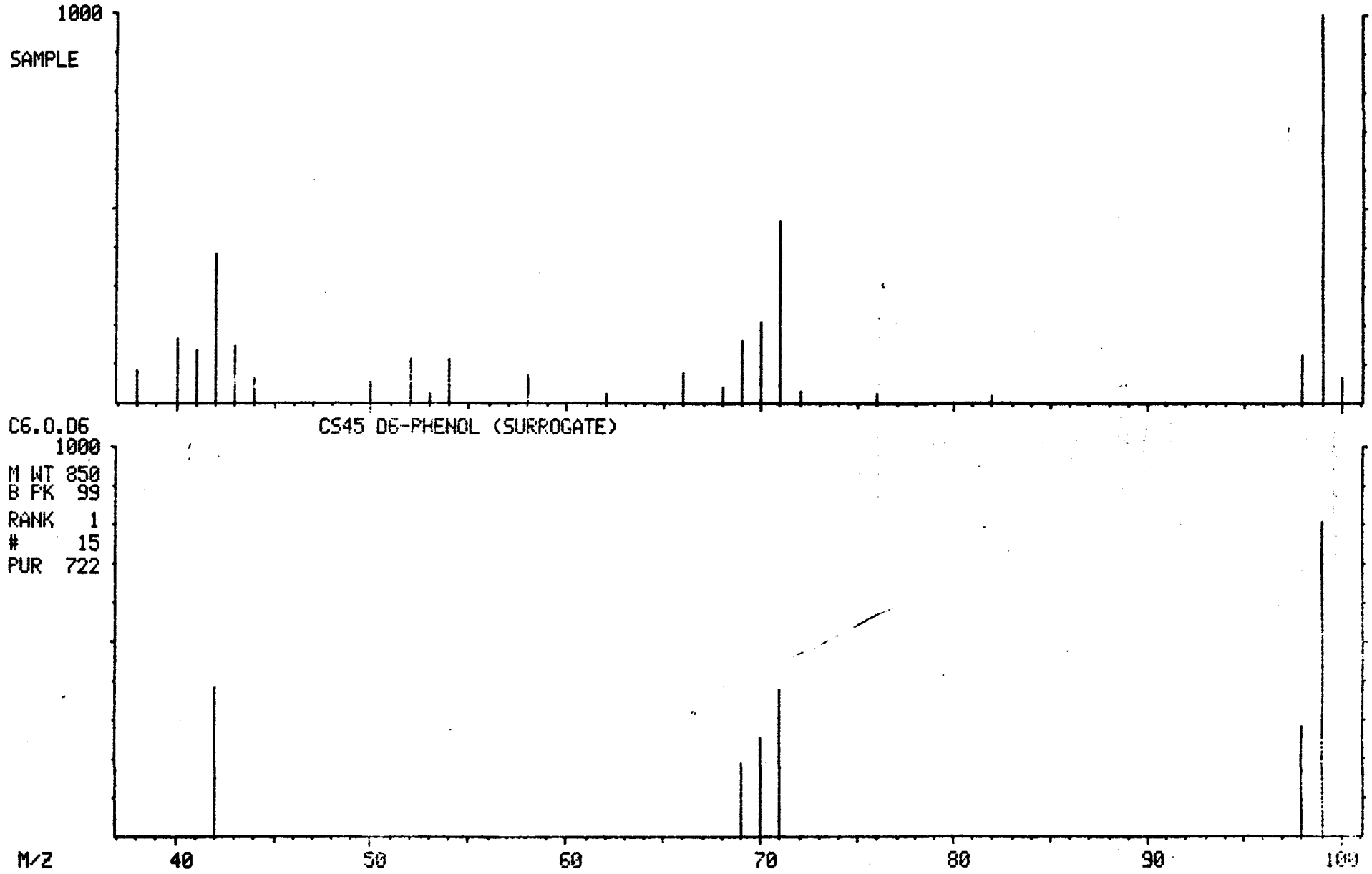


001457

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 11:08
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1124
CALI: APR22GK04 # 3

BASE M/Z: 99
RIC: 83840.

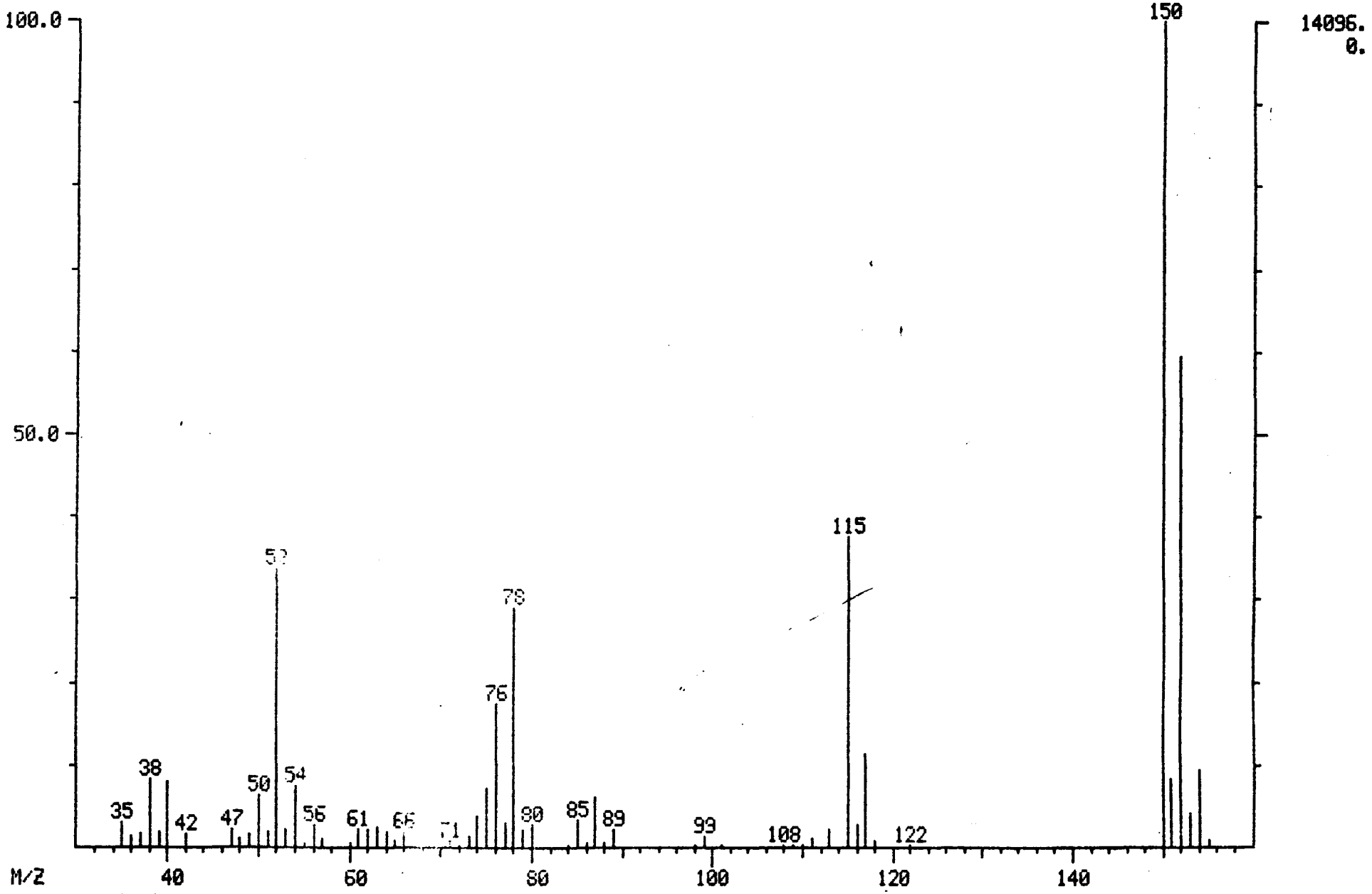


001458

MASS SPECTRUM
04/22/91 12:05:00 + 11:52
SAMPLE: 90903 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: APR22GK04 #1198
CALI: APR22GK04 #3

BASE M/Z: 150
RIC: 59520.

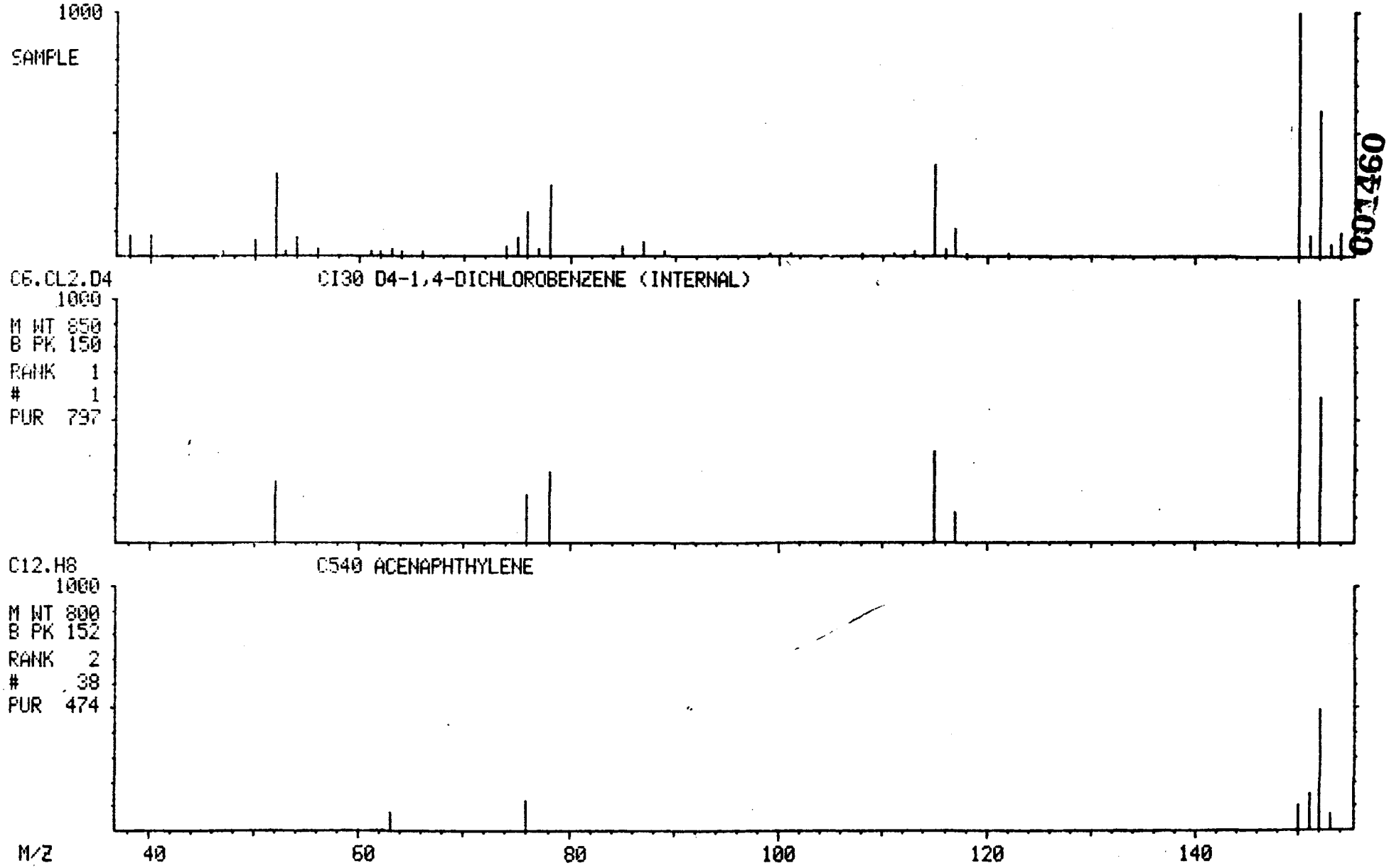


001459

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 11:52
SAMPLE: 90303 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1198
CALI: APR22GK04 # 3

BASE M/Z: 150
RIC: 55488.

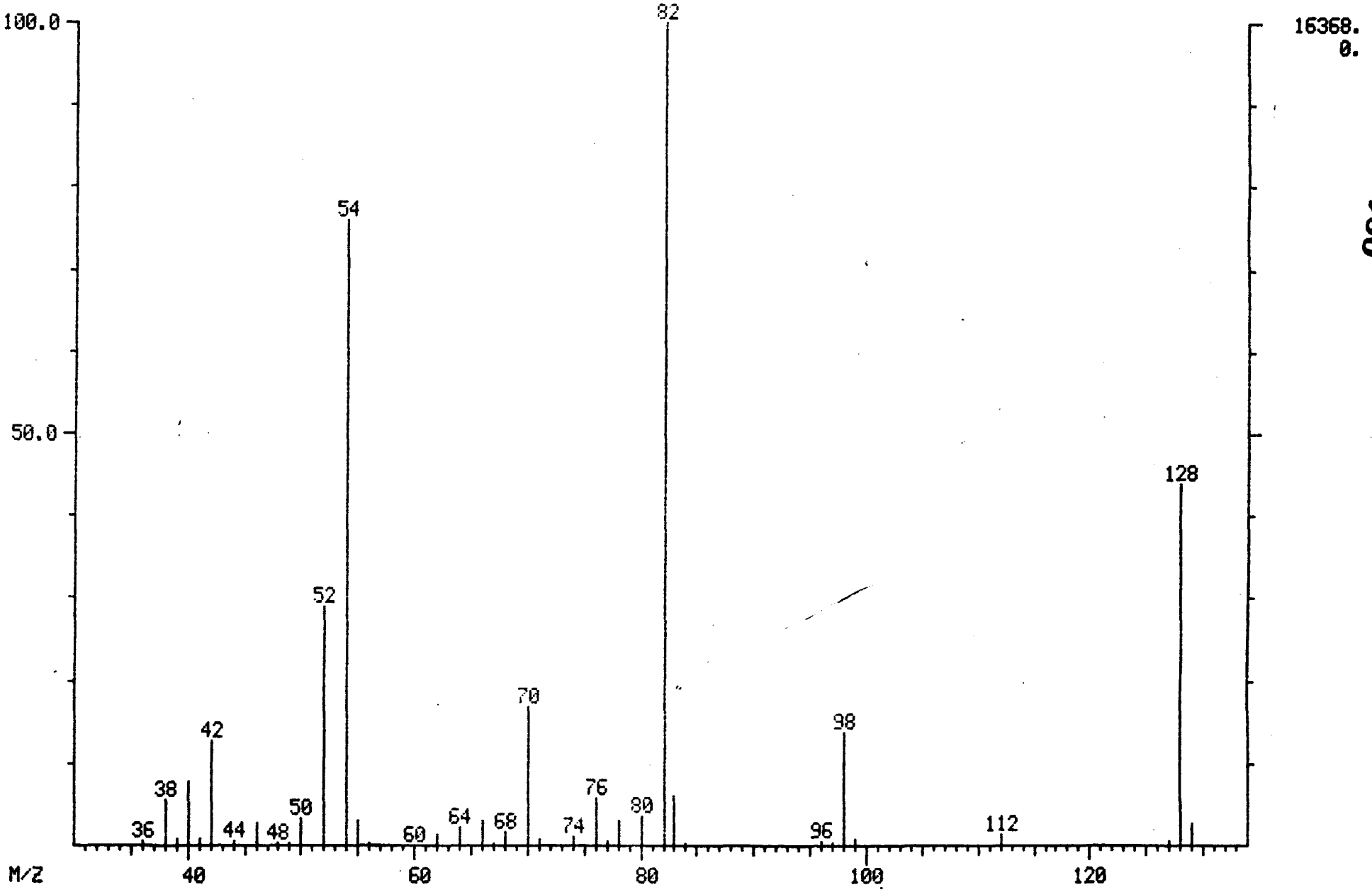


007460

MASS SPECTRUM
04/22/91 12:05:00 + 13:17
SAMPLE: 90903 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: APR22GK04 #1340
CALI: APR22GK04 #3

BASE M/Z: 82
RIC: 58176.

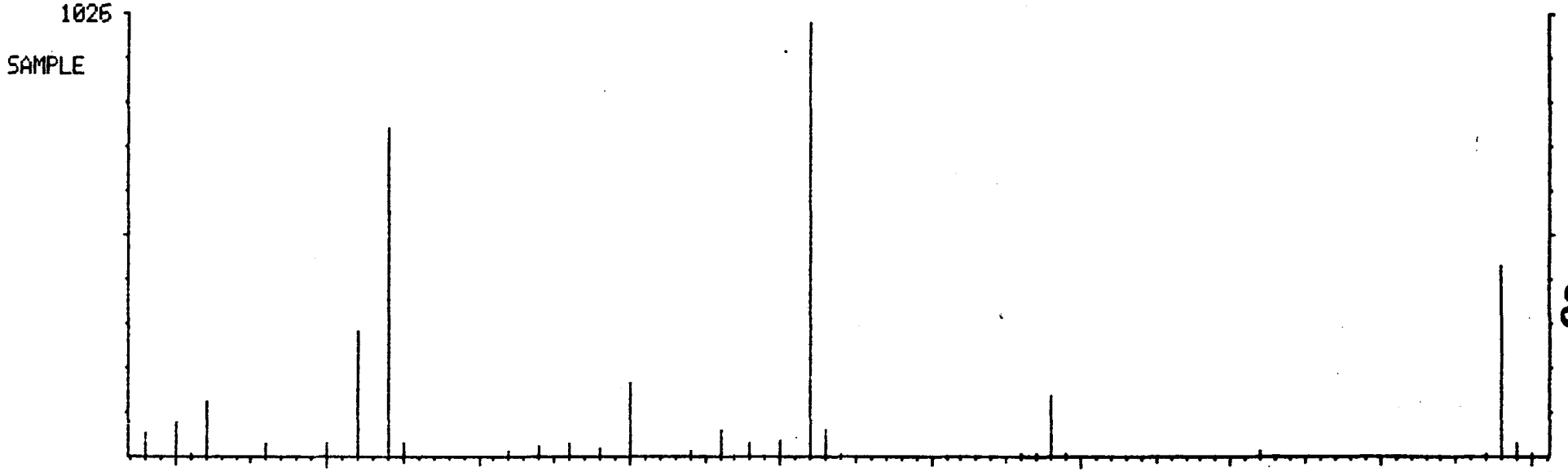


001461

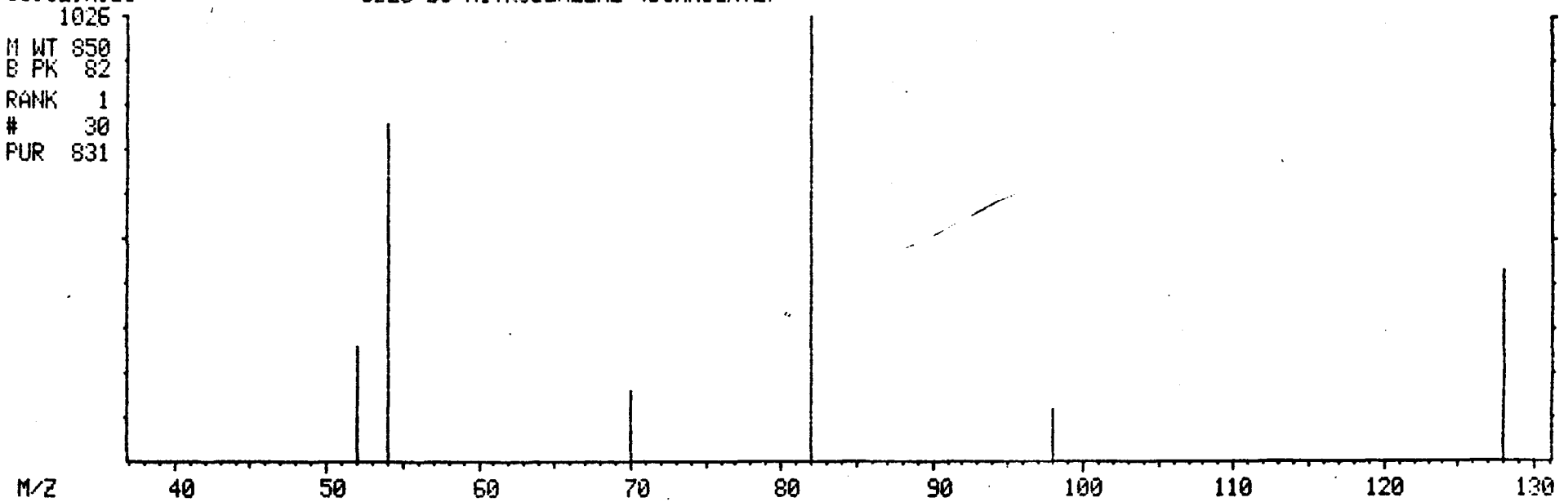
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 13:17
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1340
CALI: APR22GK04 # 3

BASE M/Z: 82
RIC: 57344.



C6.02.N.D5 CS20 D5-NITROBENZENE (SURROGATE)

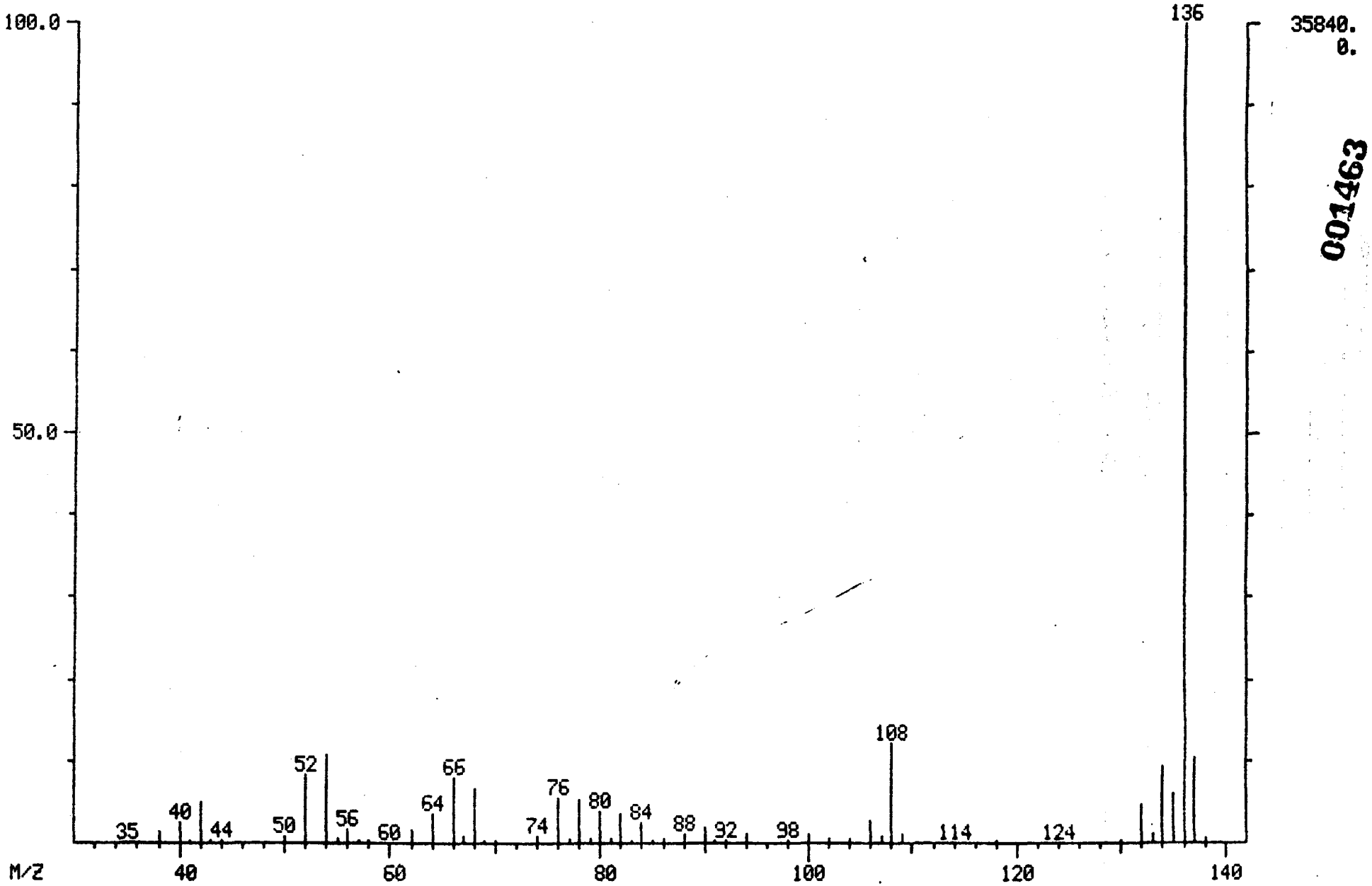


001462

MASS SPECTRUM
04/22/91 12:05:00 + 15:03
SAMPLE: 90903 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: APR22GK04 #1518
CALI: APR22GK04 #3

BASE M/Z: 136
RIC: 83840.

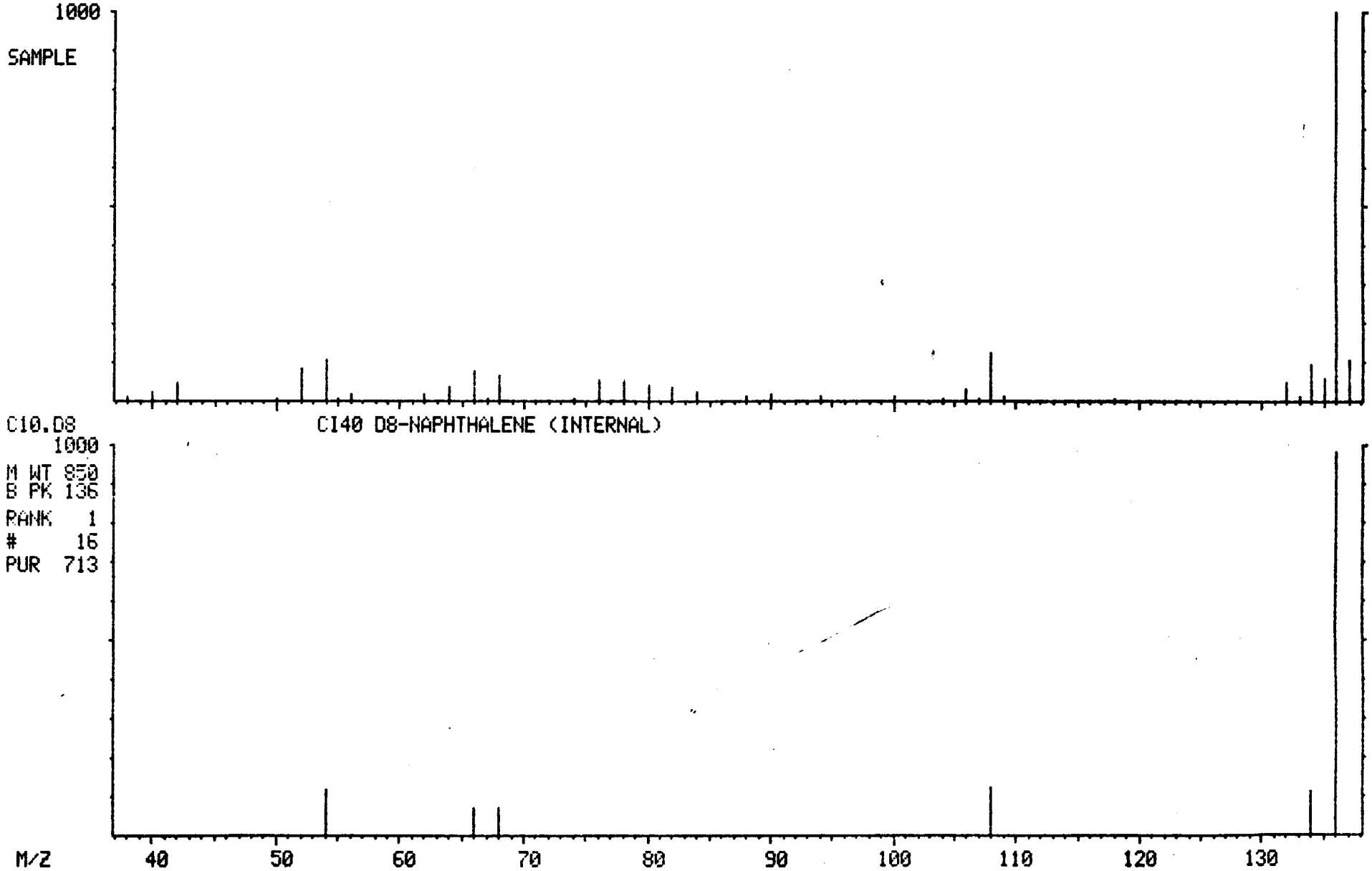


001463

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 15:03
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1518
CALI: APR22GK04 # 3

BASE M/Z: 136
RIC: 81408.

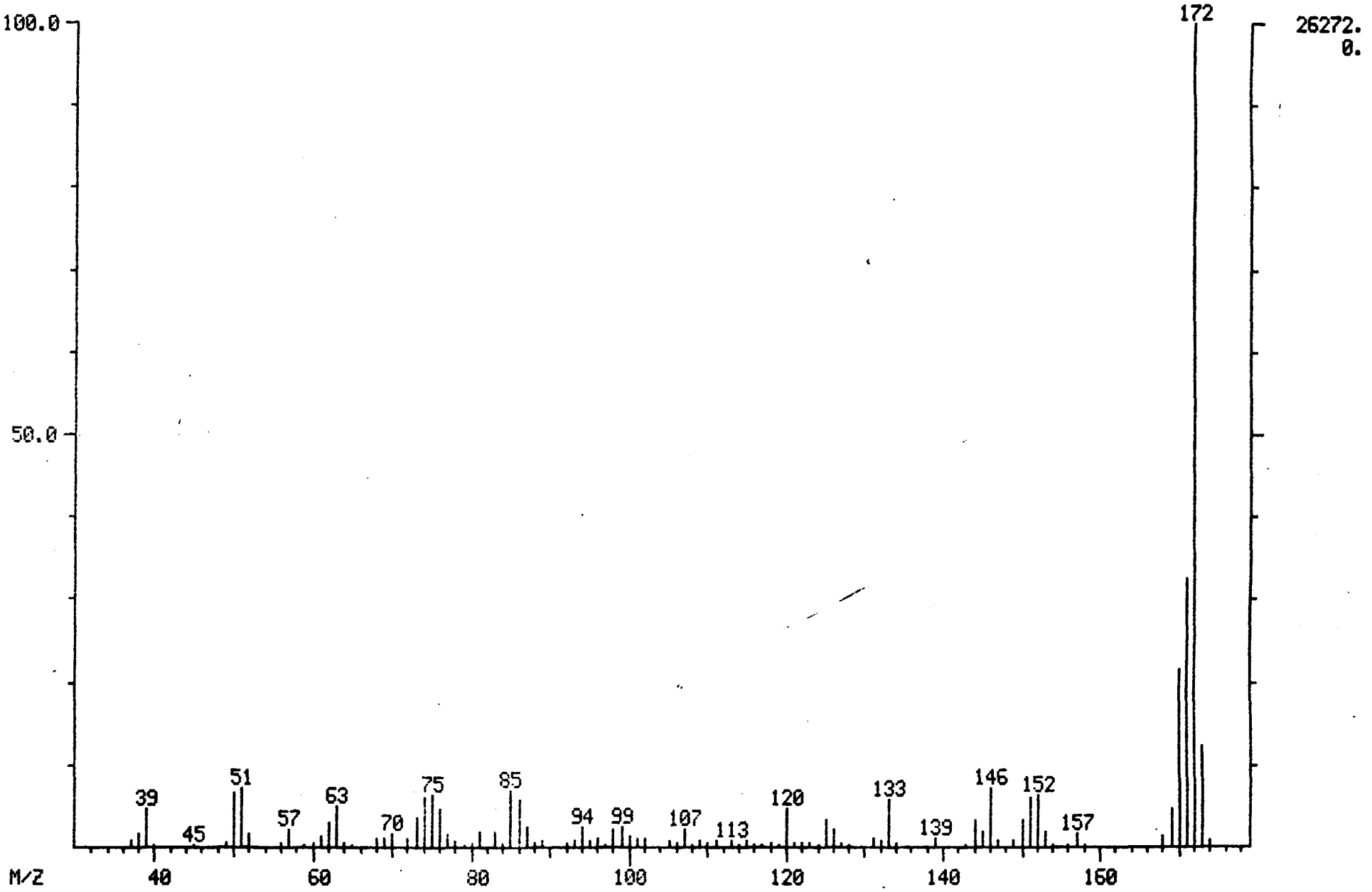


001464

MASS SPECTRUM
04/22/91 12:05:00 + 17:51
SAMPLE: 90903 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: APR22GK04 #1801
CALI: APR22GK04 #3

BASE M/Z: 172
RIC: 89600.

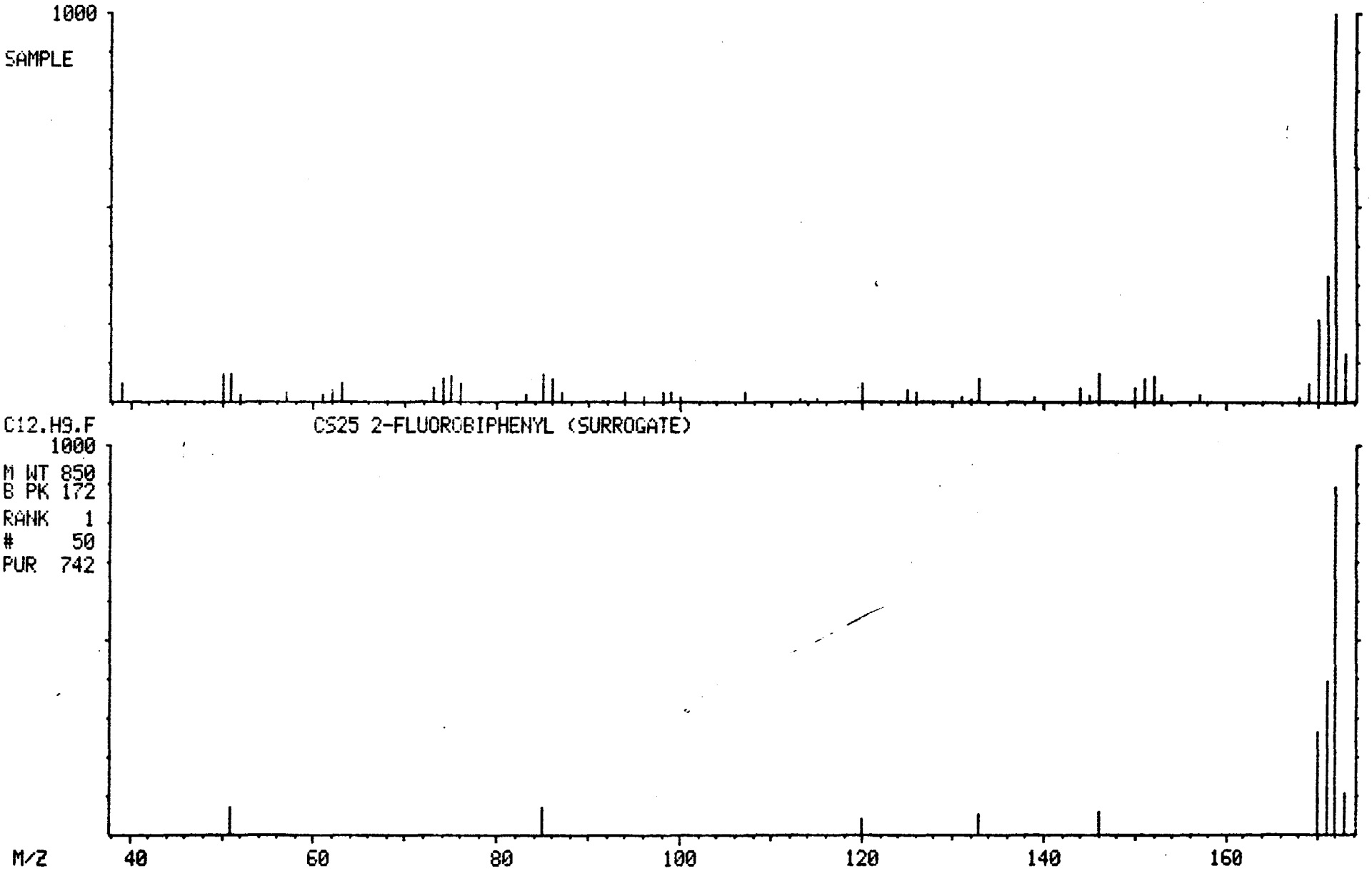


001465

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 17:51
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1801
CALI: APR22GK04 # 3

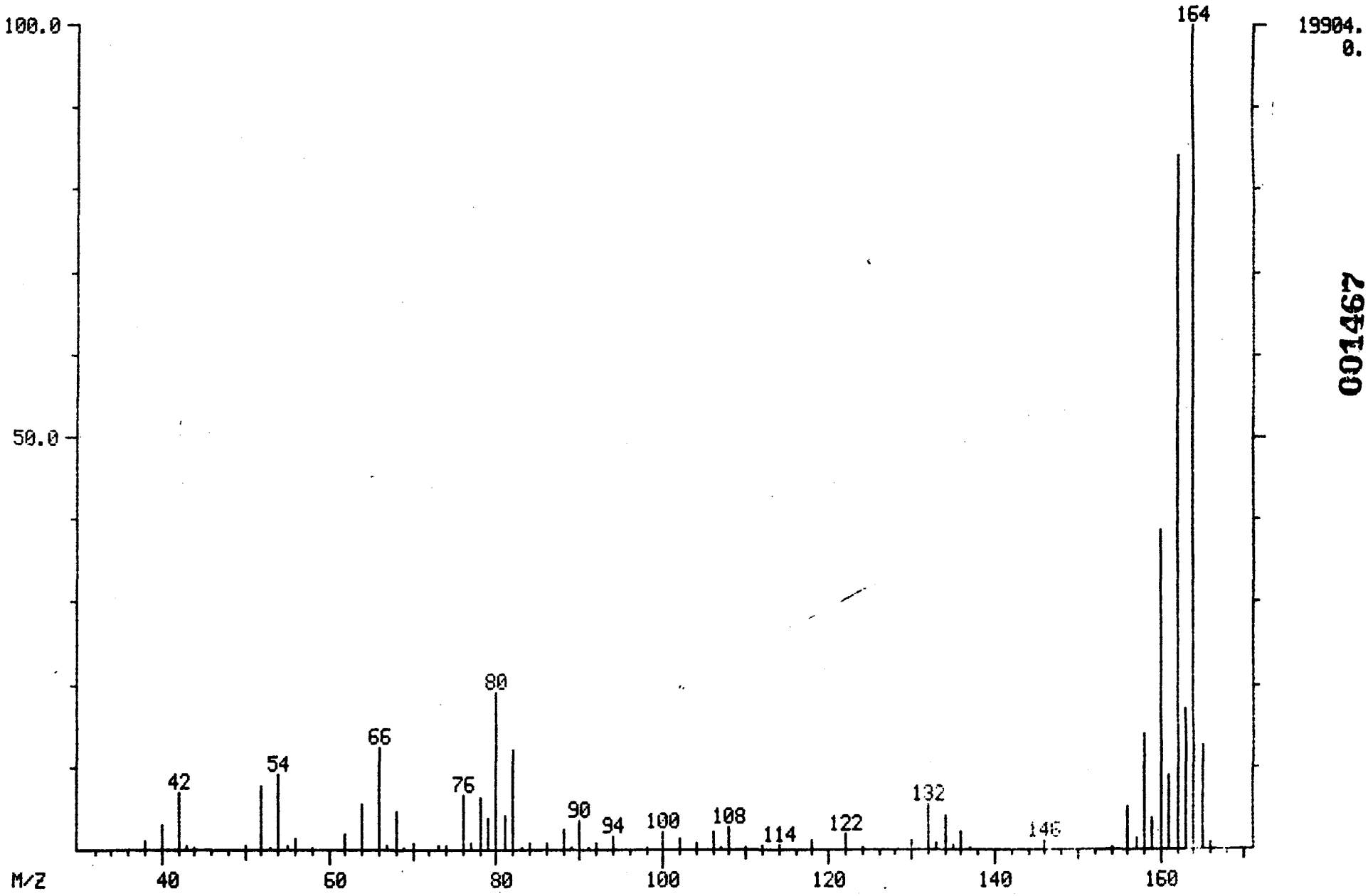
BASE M/Z: 172
RIC: 80384.



MASS SPECTRUM
04/22/91 12:05:00 + 19:37
SAMPLE: 90903 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: APR22GK04 #1979
CALI: APR22GK04 #3

BASE M/Z: 164
RIC: 88192.

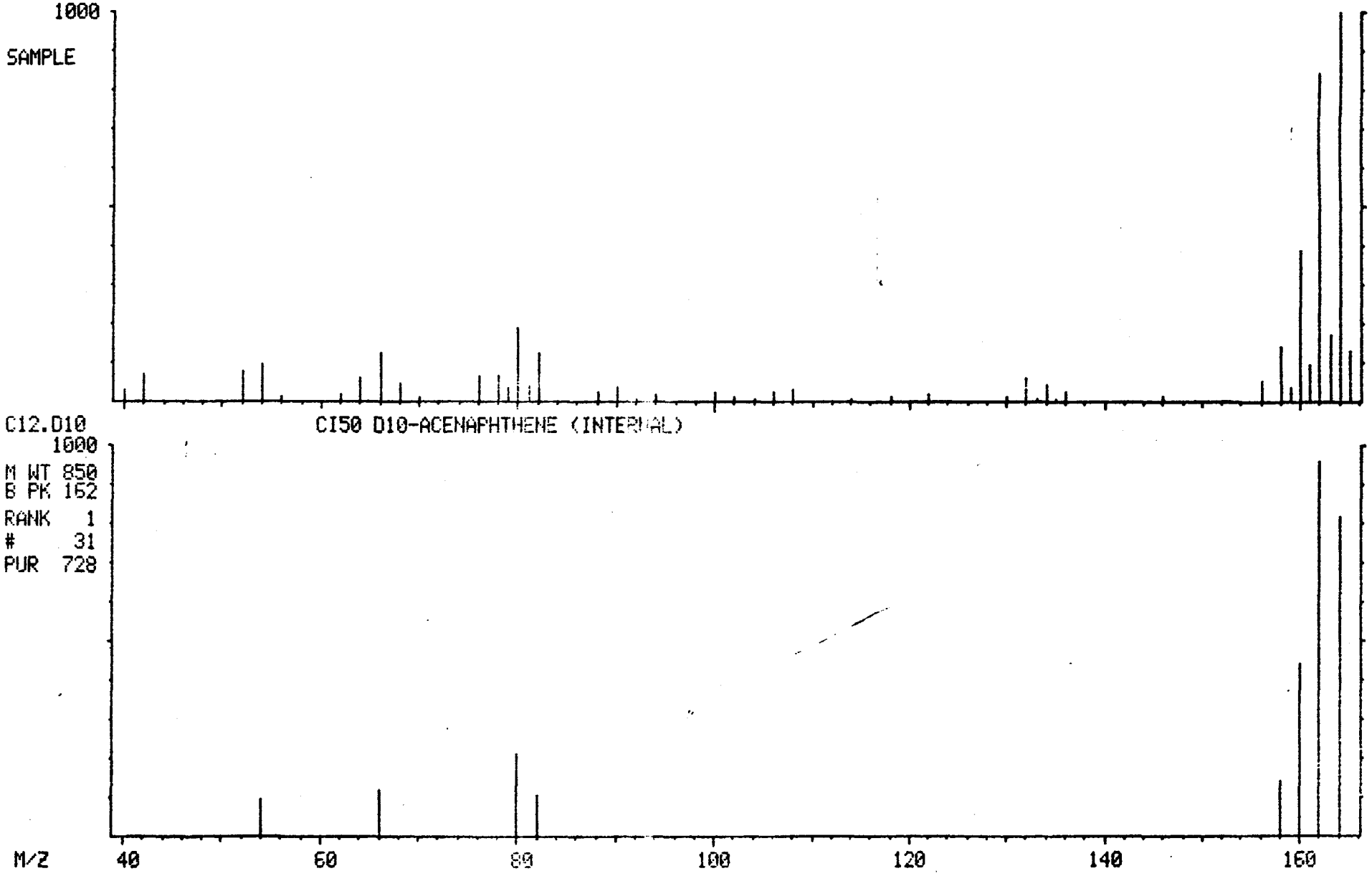


001467

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 19:37
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1979
CALI: APR22GK04 # 3

BASE M/Z: 164
RIC: 85248.

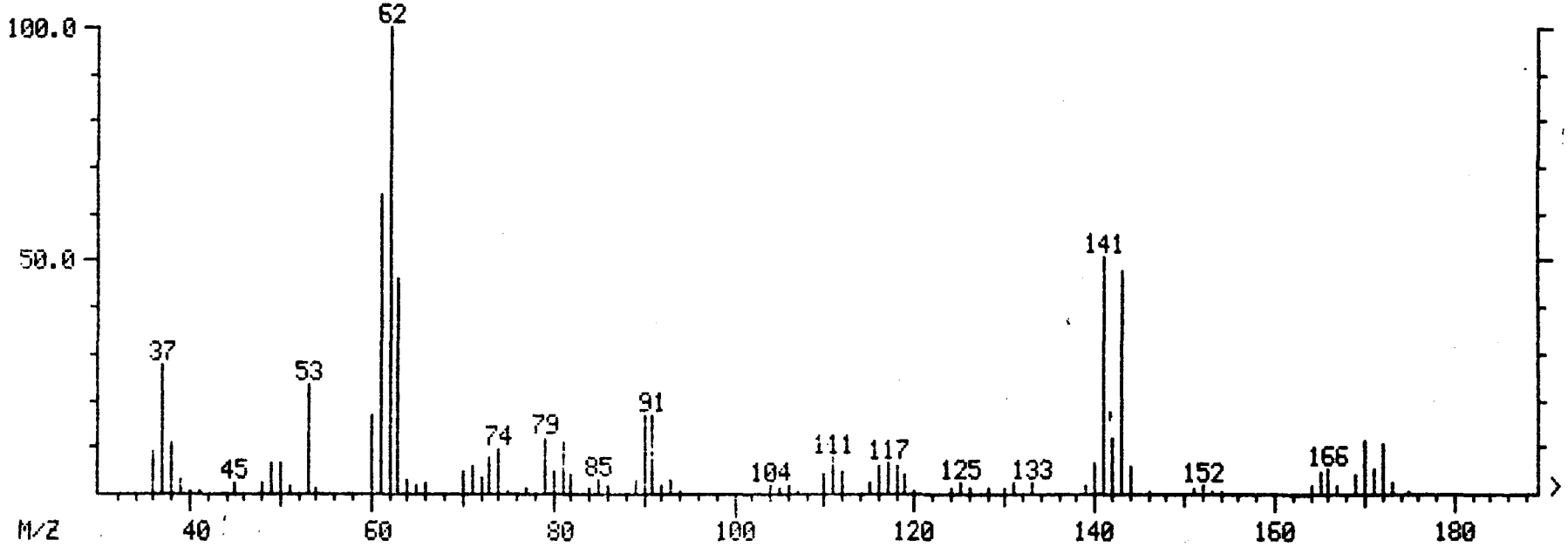


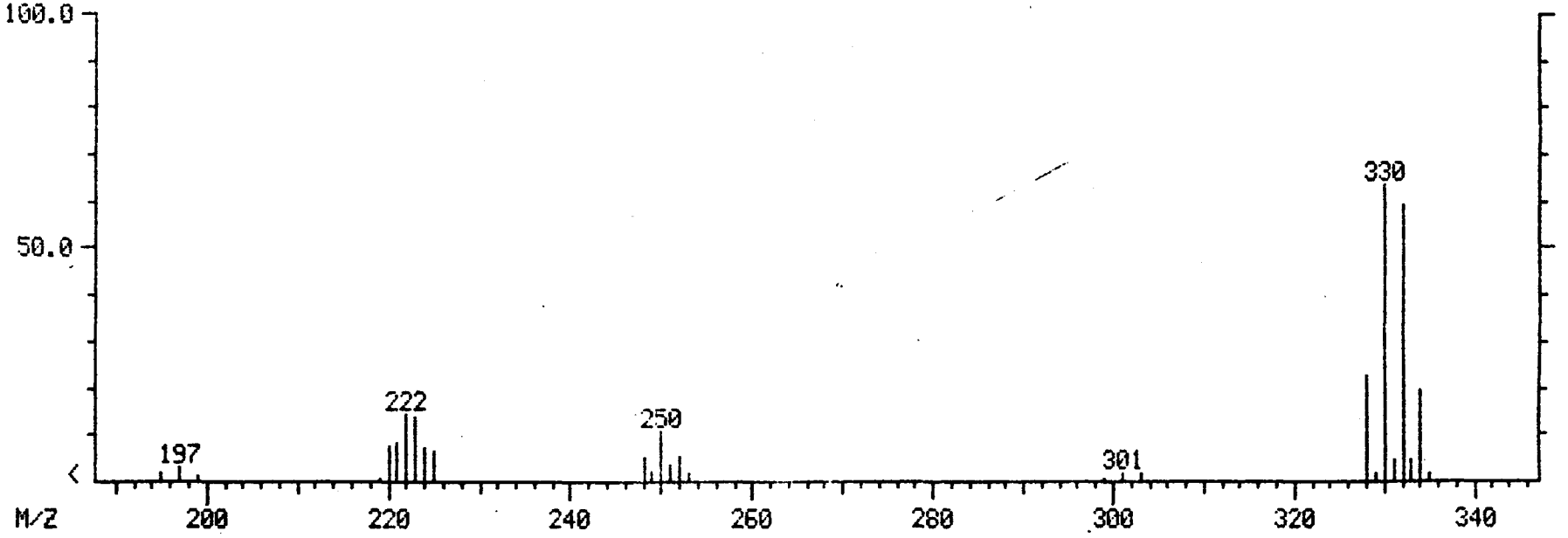
001468

MASS SPECTRUM
04/22/91 12:05:00 + 21:41
SAMPLE: 90903 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: APR22GK04 #2187
CALI: APR22GK04 #3

BASE M/Z: 62
RIC: 64256.



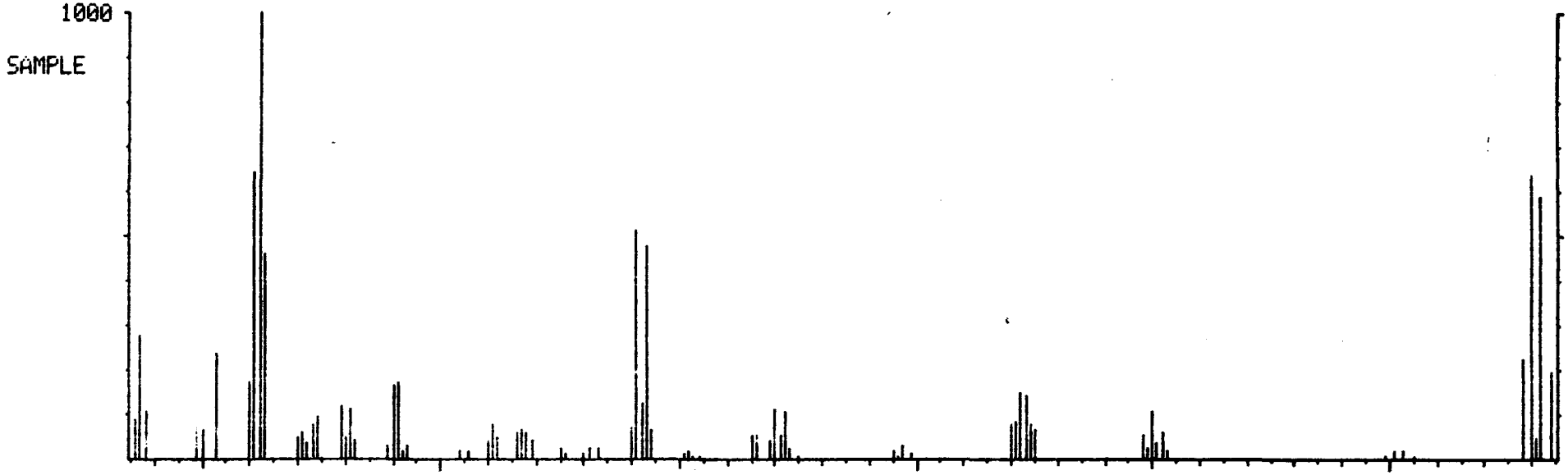


001469

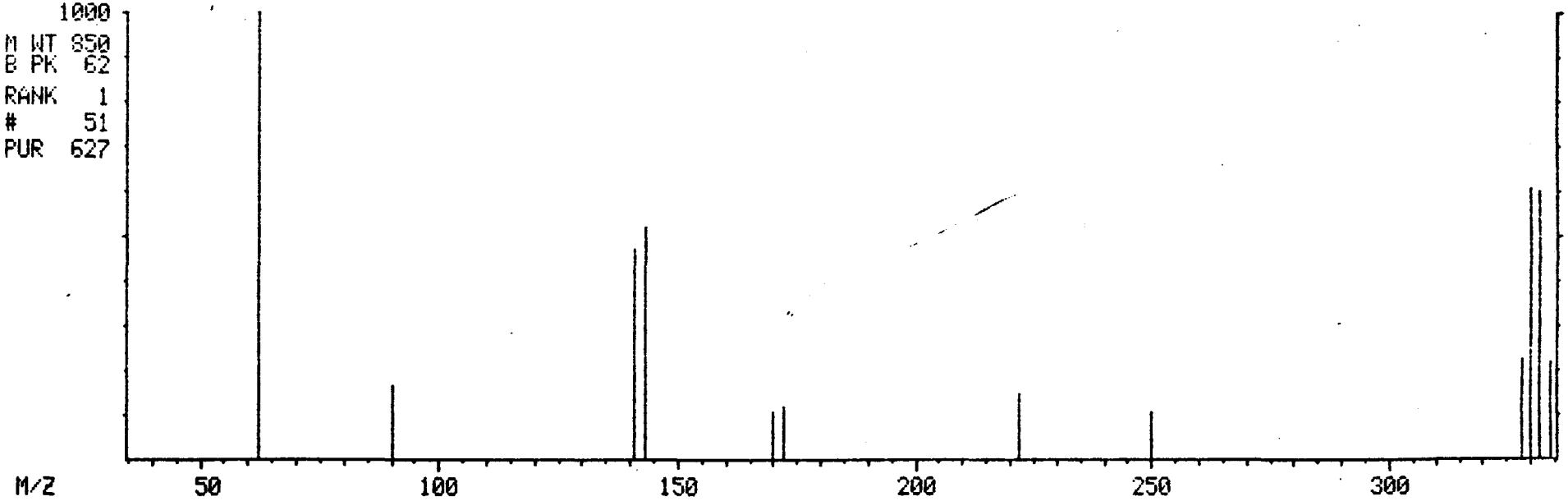
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 21:41
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2187
CALI: APR22GK04 # 3

BASE M/Z: 62
RIC: 60928.



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

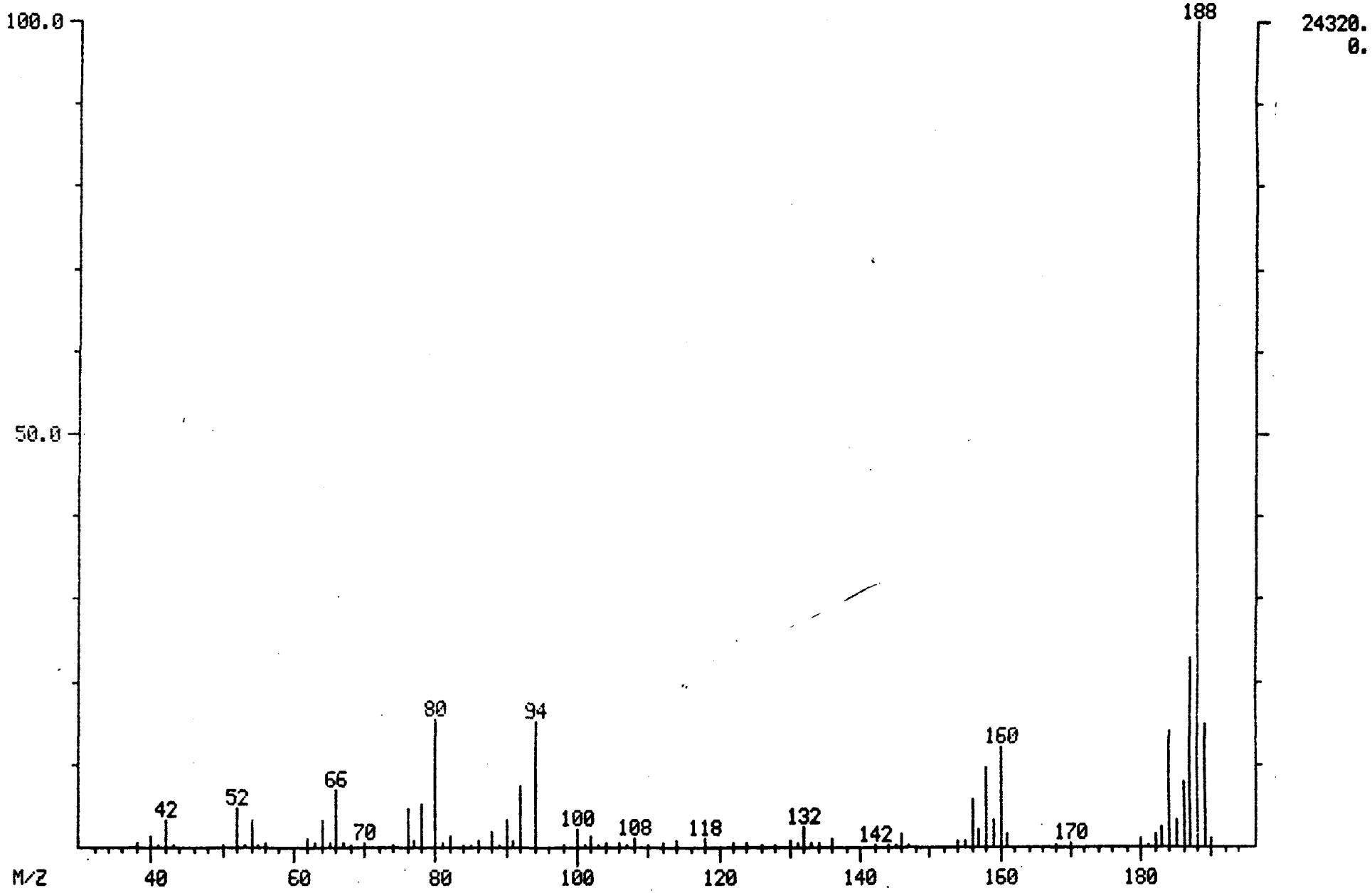


001470

MASS SPECTRUM
04/22/91 12:05:00 + 23:27
SAMPLE: 90903 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: APR22GK04 #2366
CALI: APR22GK04 #3

BASE M/Z: 188
RIC: 76800.

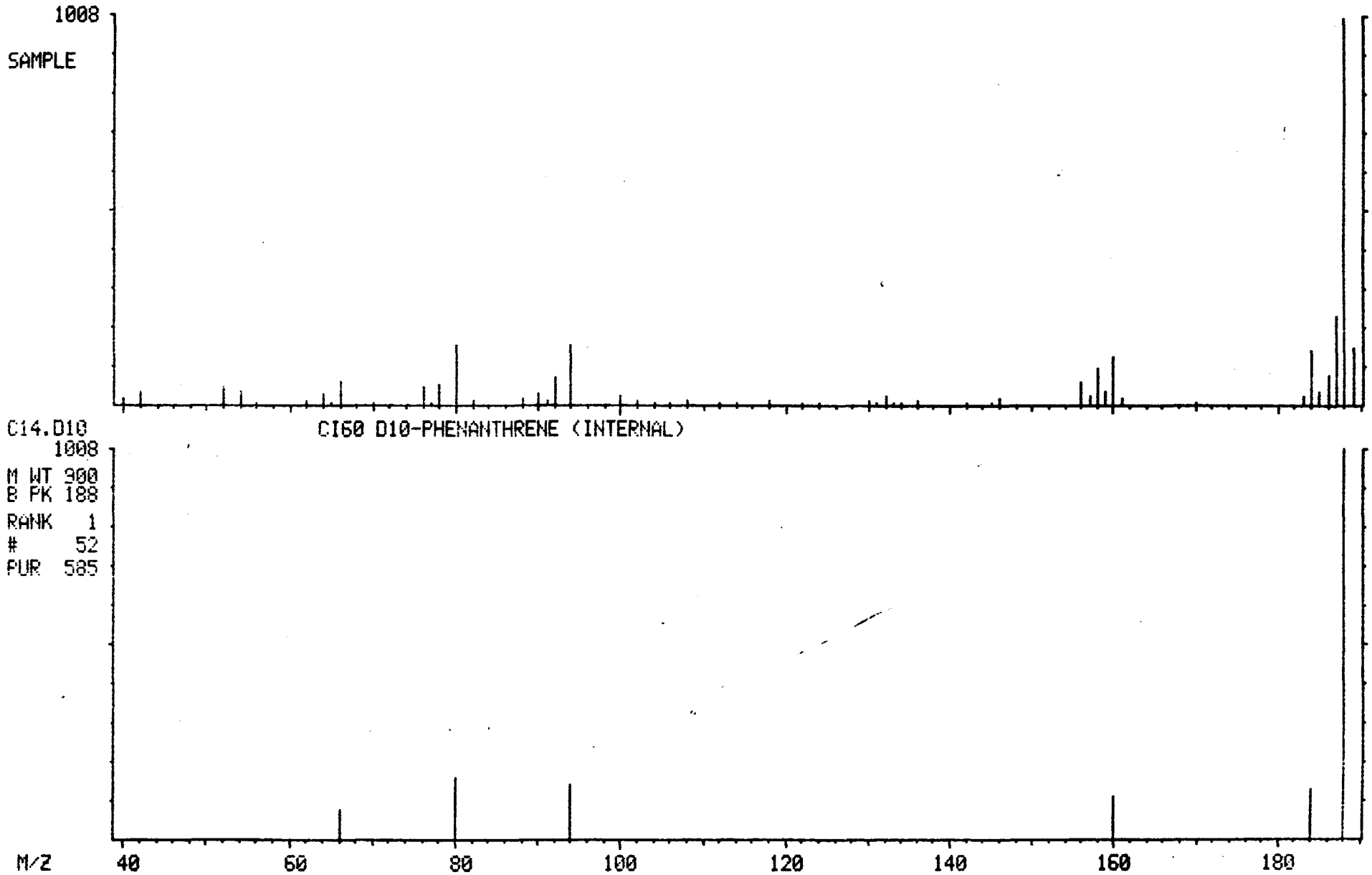


001471

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 23:27
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2366
CALI: APR22GK04 # 3

BASE M/Z: 188
RIC: 73216.

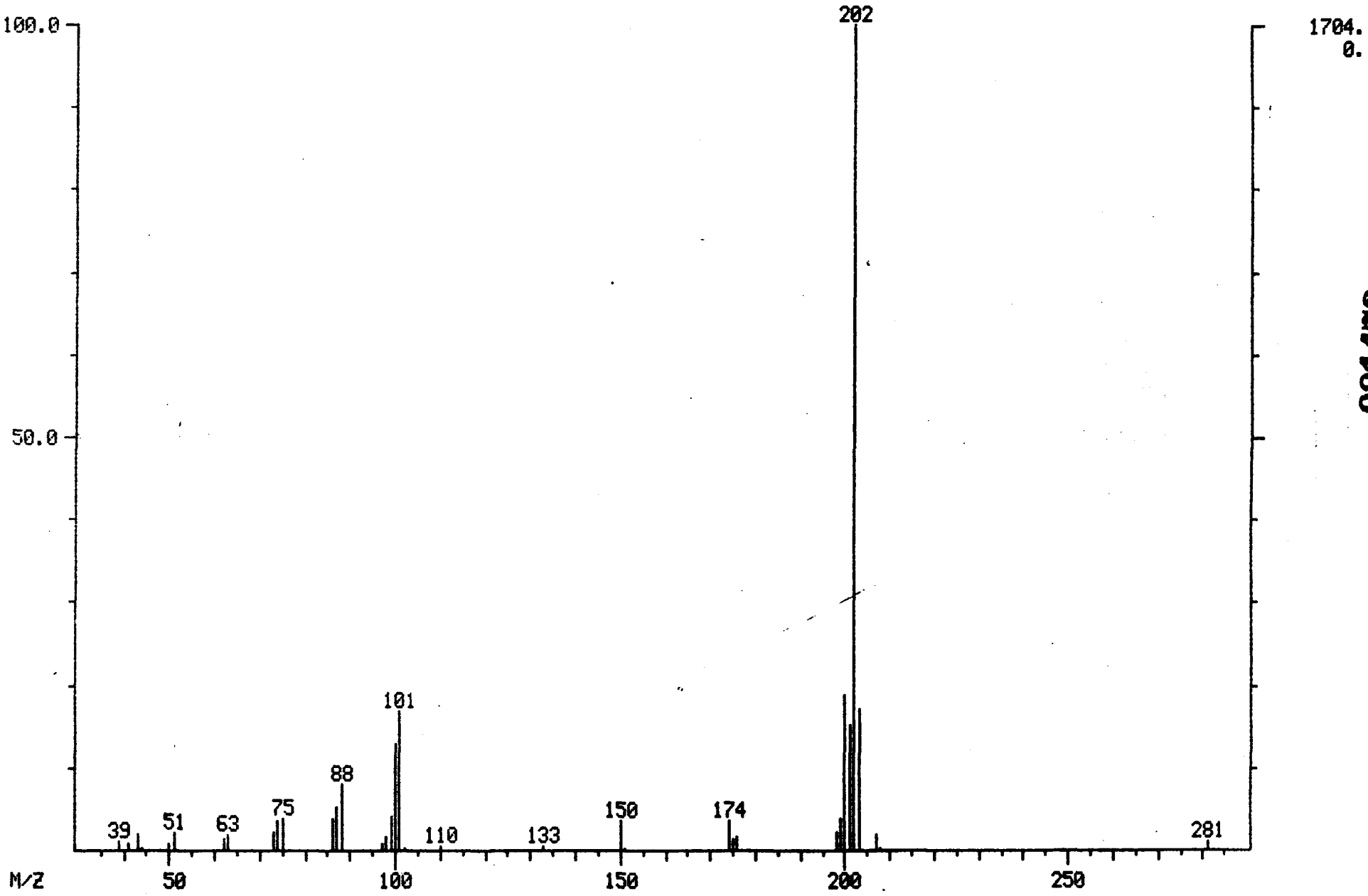


001472

MASS SPECTRUM
04/22/91 12:05:00 + 26:39
SAMPLE: 90903 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: APR22GK04 #2689
CALI: APR22GK04 #3

BASE M/Z: 202
RIC: 4208.

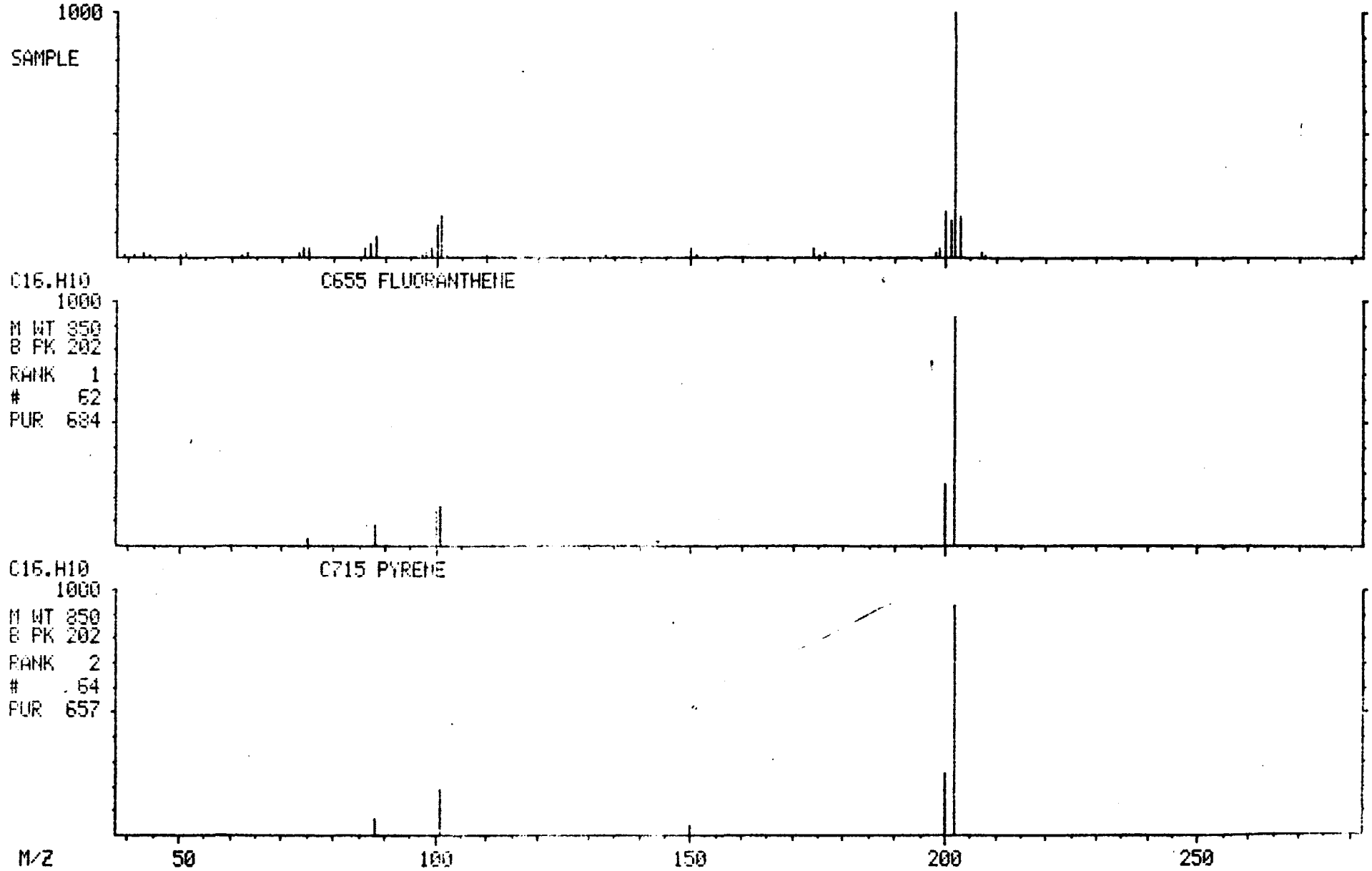


001473

MID LIBRARY SEARCH (LIBRARY/SW)
04/22/91 12:05:00 + 26:39
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2689
CALI: APR22GK04 # 3

BASE M/Z: 202
RIC: 4208.

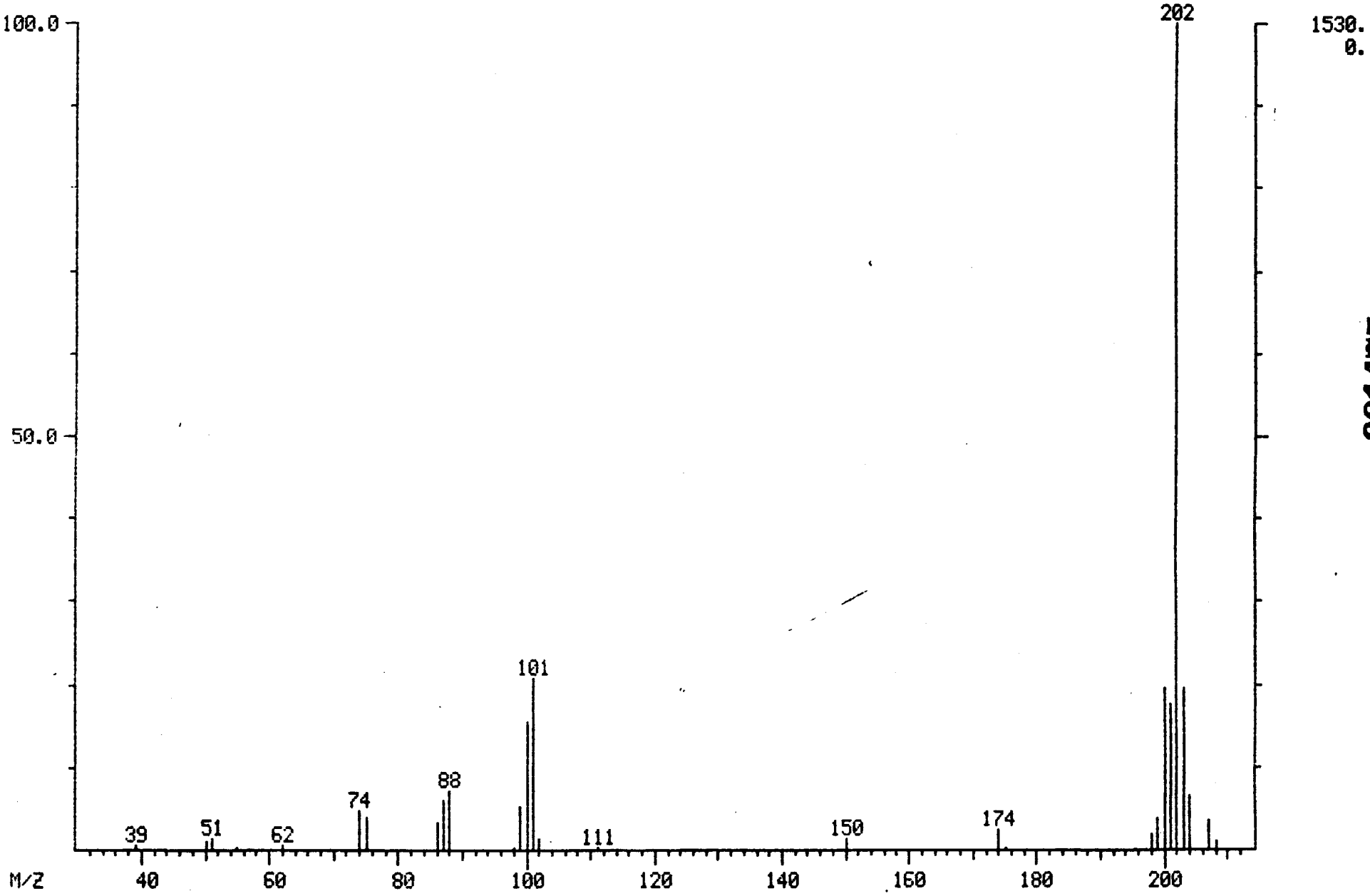


001474

MASS SPECTRUM
04/22/91 12:05:00 + 27:15
SAMPLE: 90903 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: APR22GK04 #2749
CALI: APR22GK04 #3

BASE M/Z: 202
RIC: 3840.

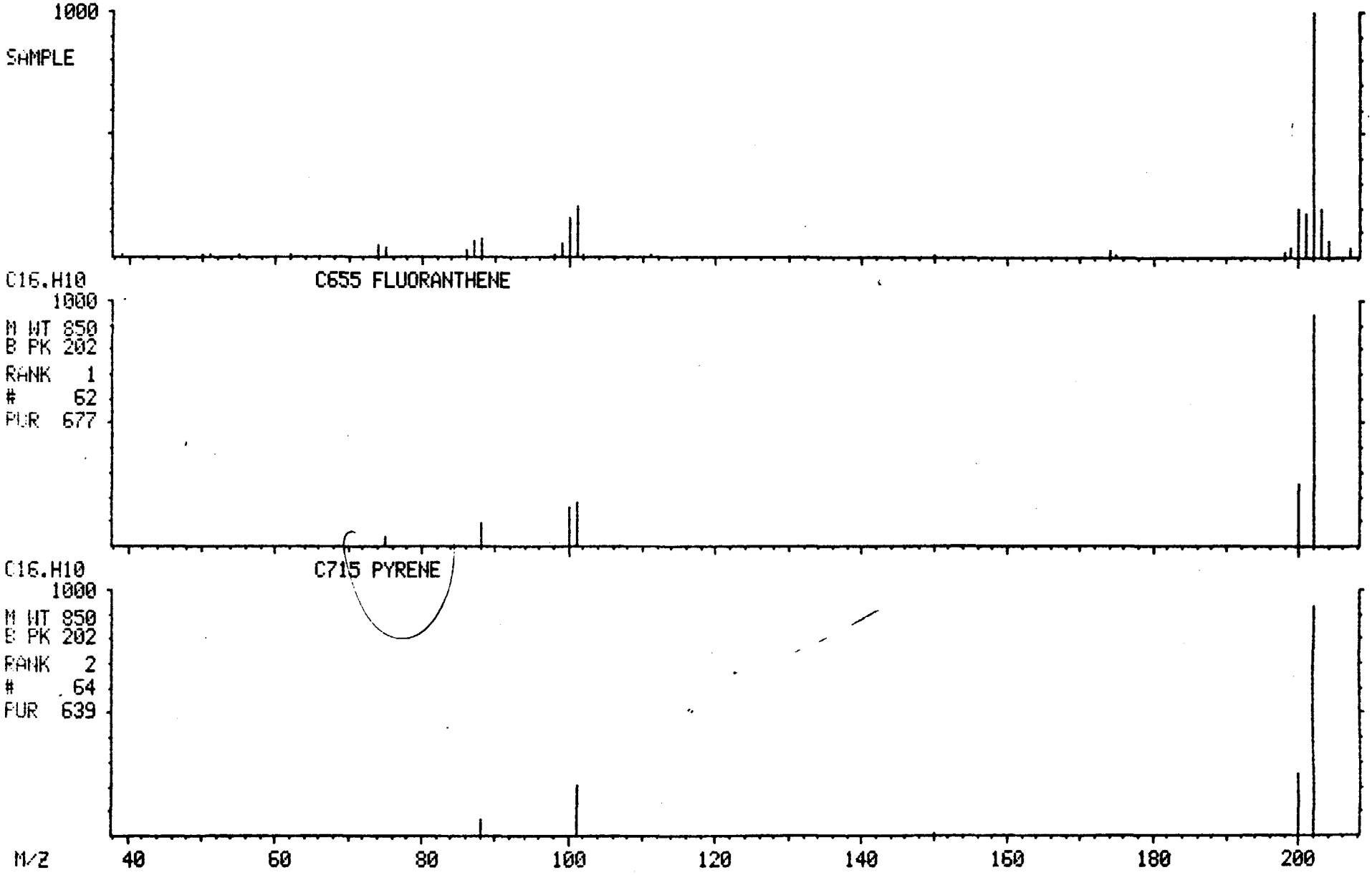


001475

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 27:15
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2749
CALI: APR22GK04 # 3

BASE M/Z: 202
RIC: 3824.

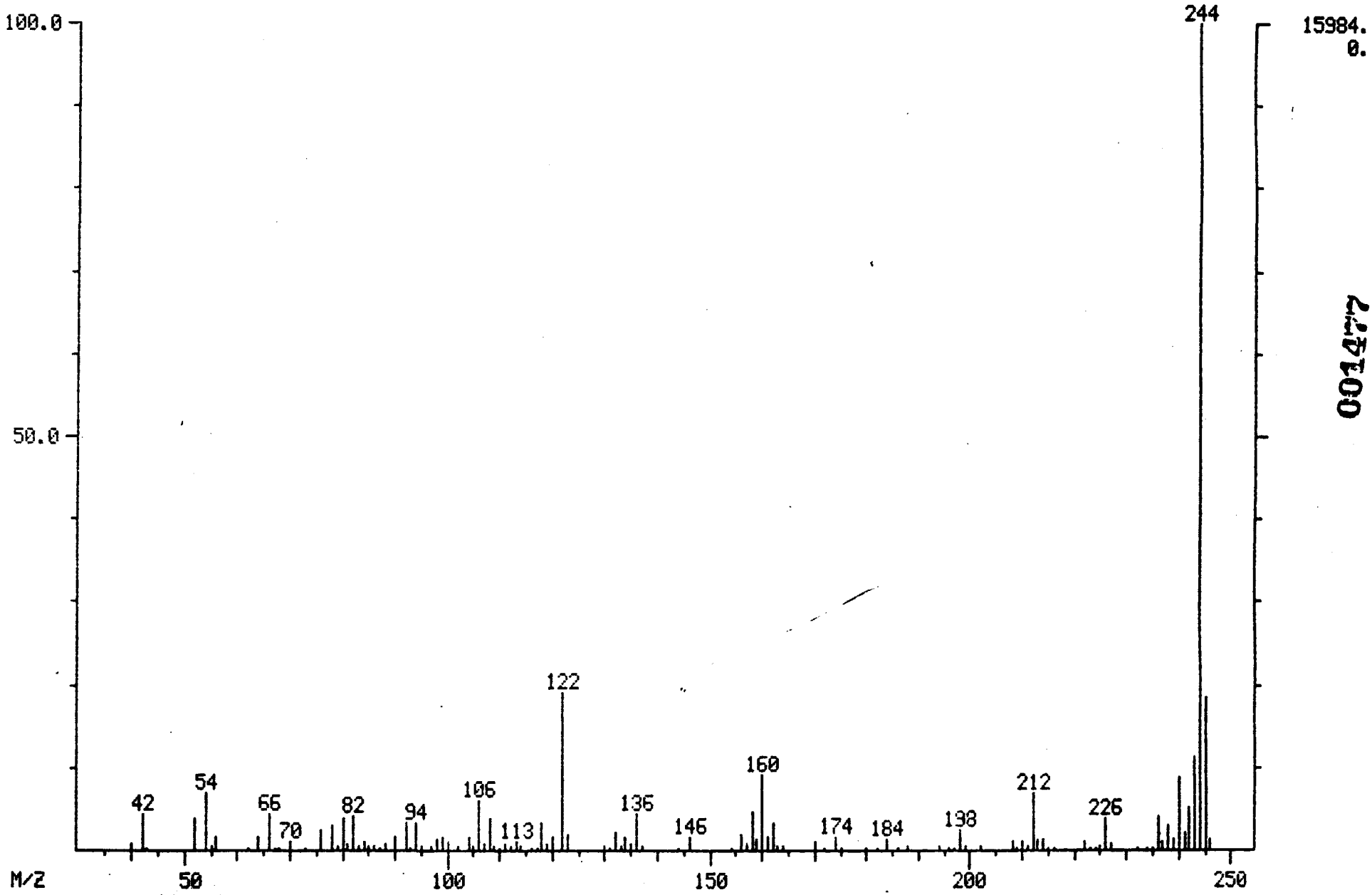


001476

MASS SPECTRUM
04/22/91 12:05:00 + 27:38
SAMPLE: 90903 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: APR22GK04 #2788
CALI: APR22GK04 #3

BASE M/Z: 244
RIC: 52864.

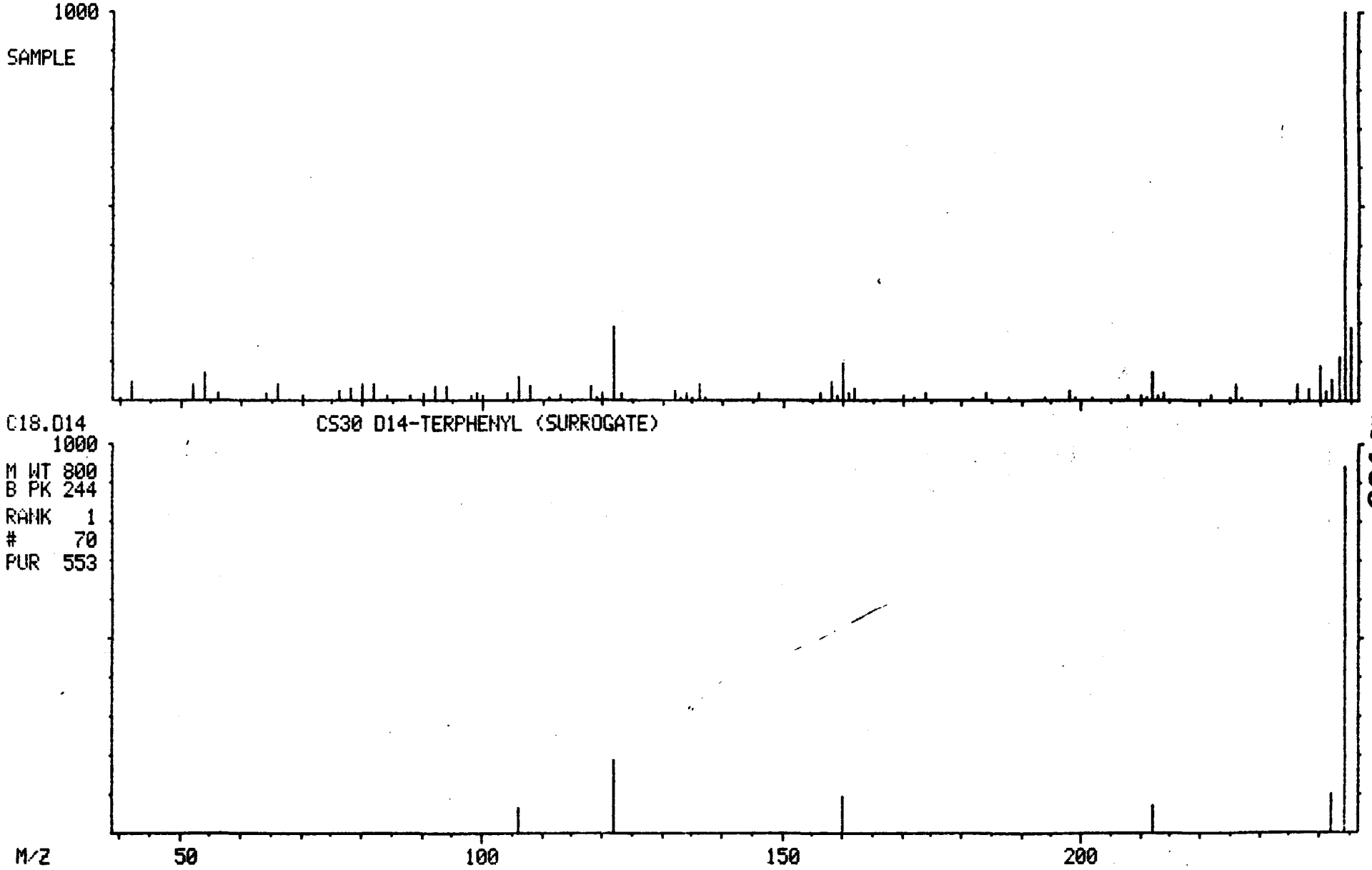


001477

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 27:38
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2788
CALI: APR22GK04 # 3

BASE M/Z: 244
RIC: 49216.

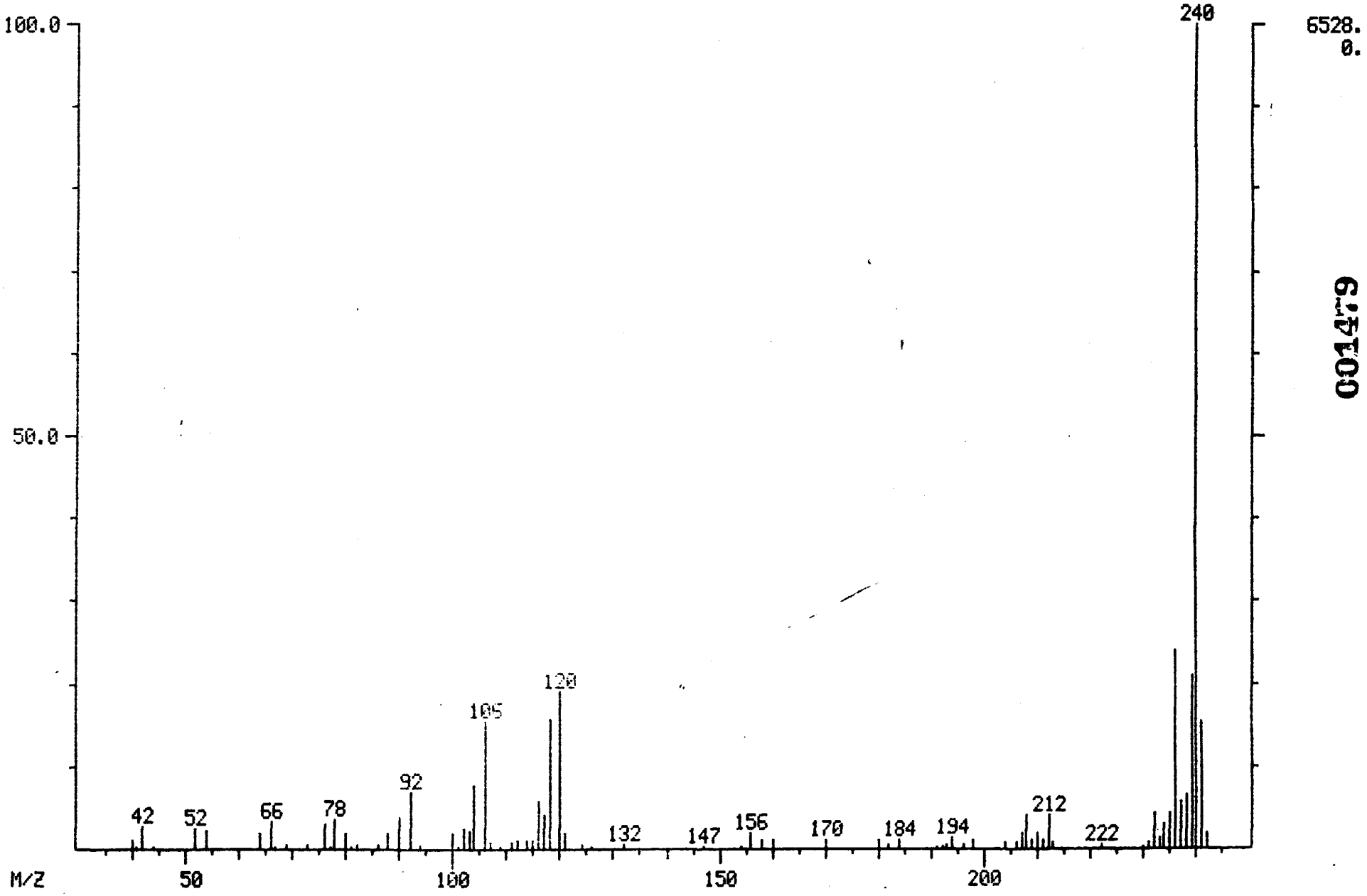


001478

MASS SPECTRUM
04/22/91 12:05:00 + 31:15
SAMPLE: 90903 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: APR22GK04 #3152
CALI: APR22GK04 #3

BASE M/Z: 240
RIC: 22432.

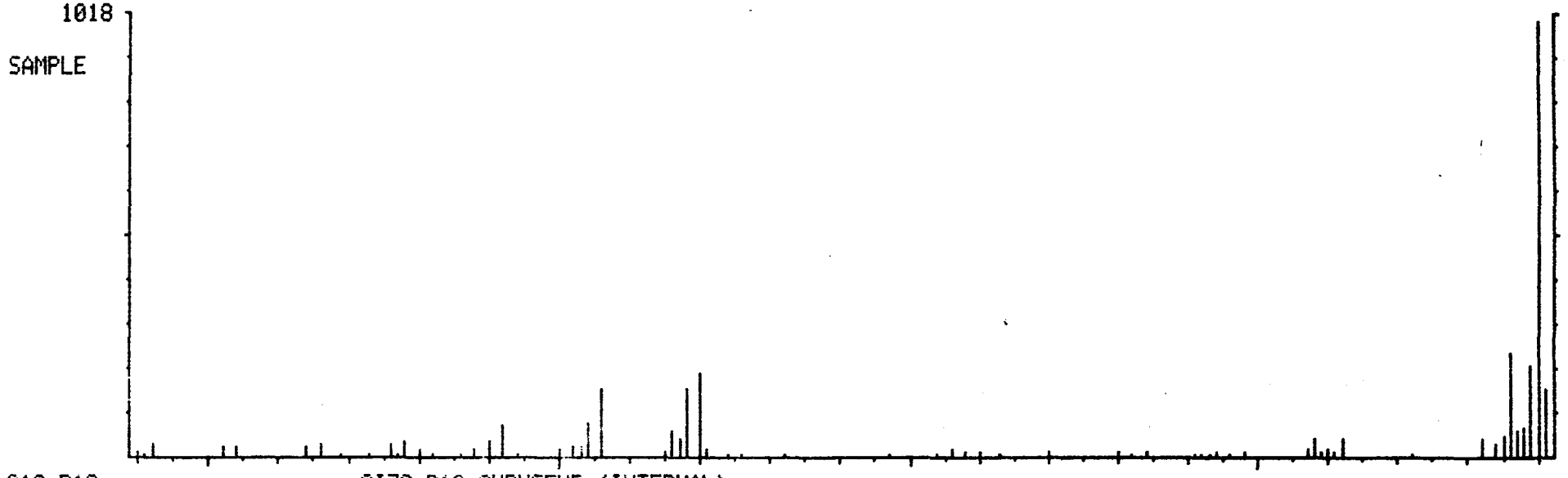


001479

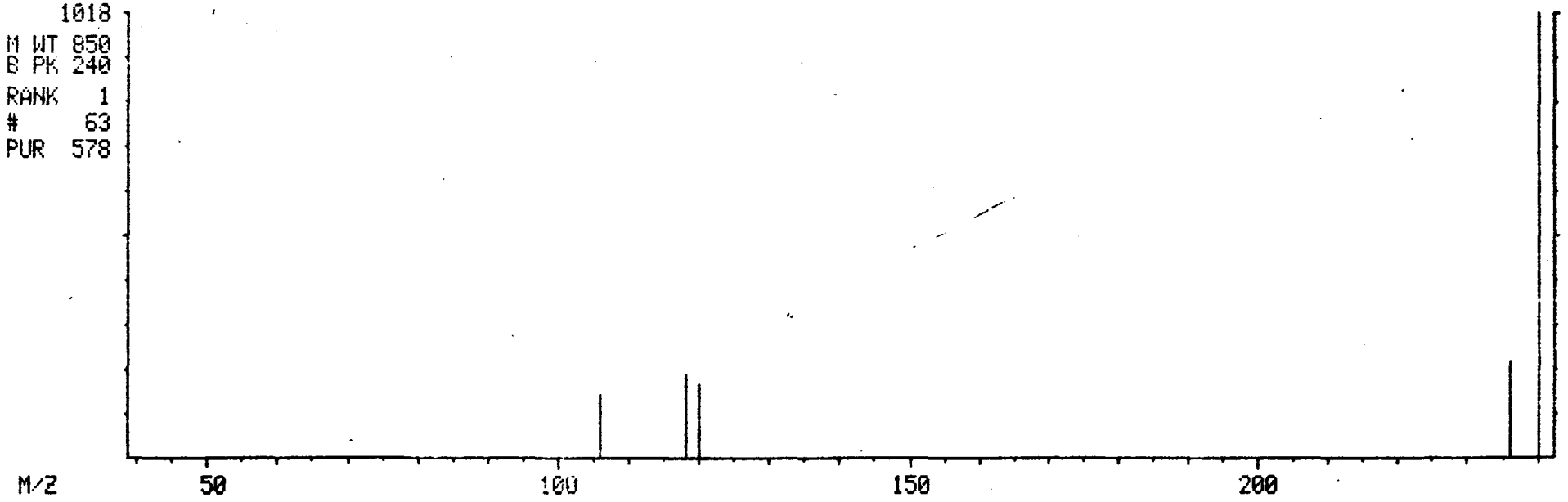
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 31:15
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #3152
CALI: APR22GK04 # 3

BASE M/Z: 240
RIC: 21600.



C18.D12 CI70 D12-CHRYSENE (INTERNAL)

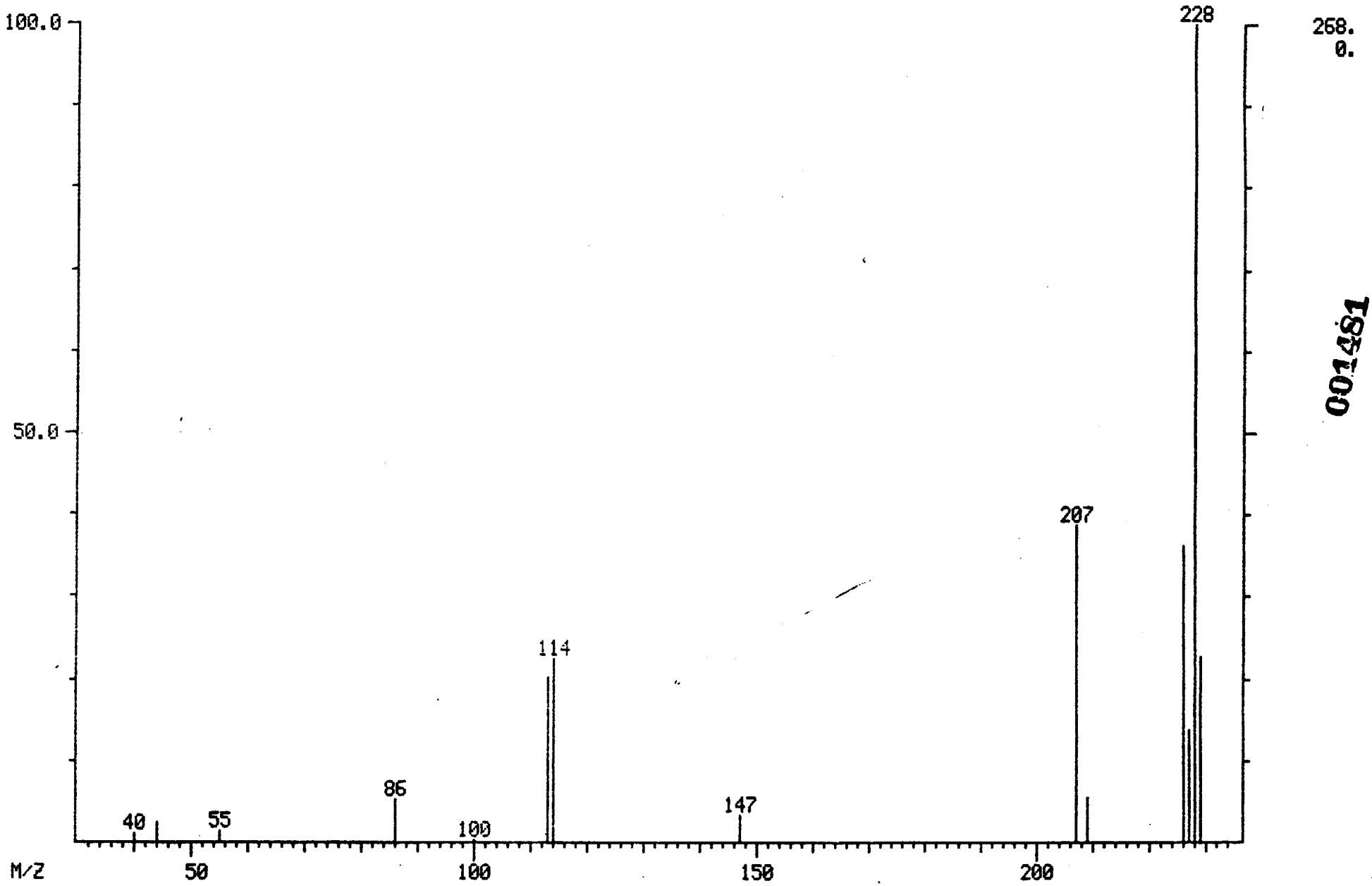


001480

MASS SPECTRUM
04/22/91 12:05:00 + 31:21
SAMPLE: 90903 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: APR22GK04 #3162
CALI: APR22GK04 #3

BASE M/Z: 228
RIC: 734.

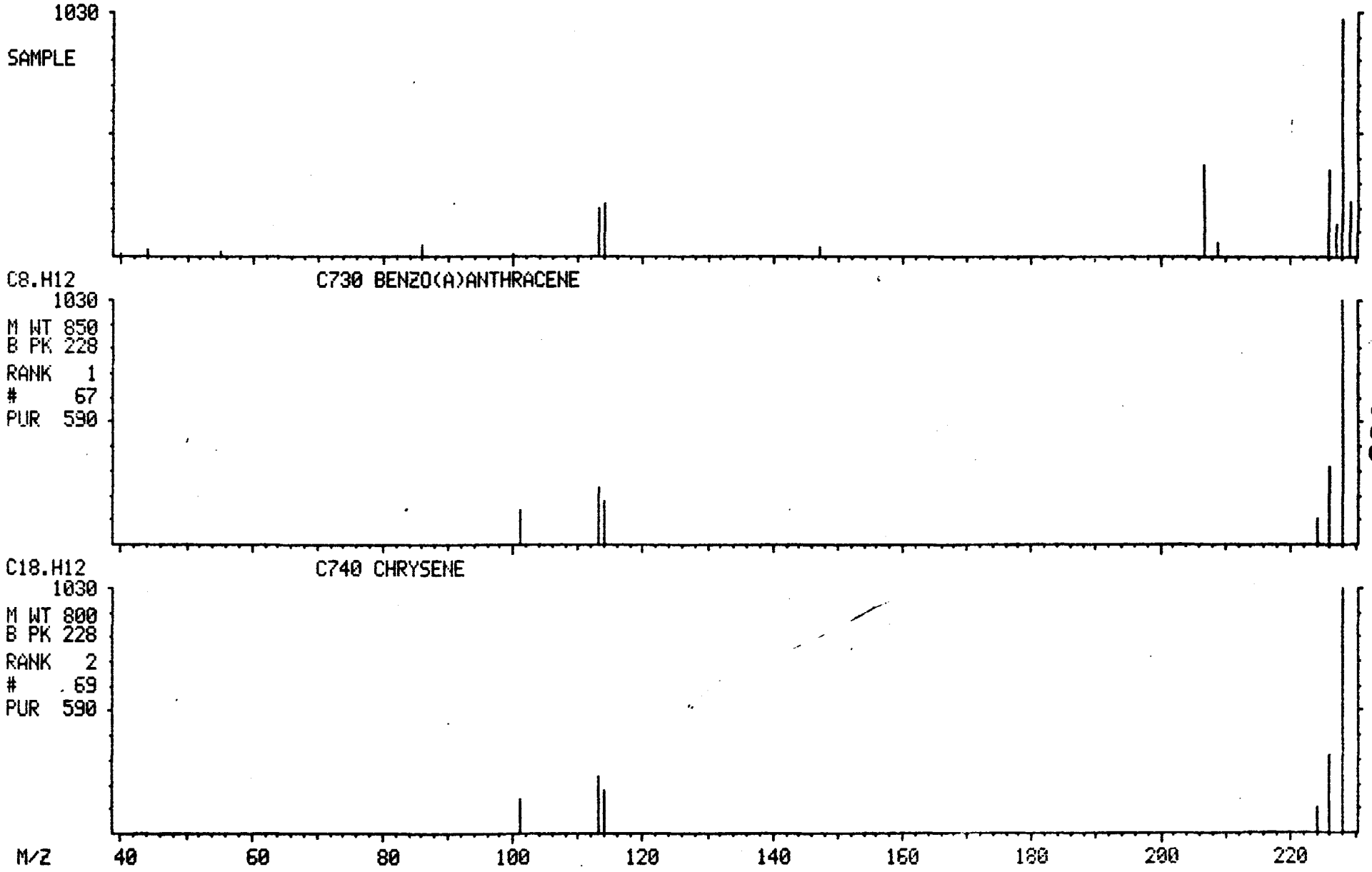


001481

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 31:21
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #3162
CALI: APR22GK04 # 3

BASE M/Z: 228
RIC: 734.

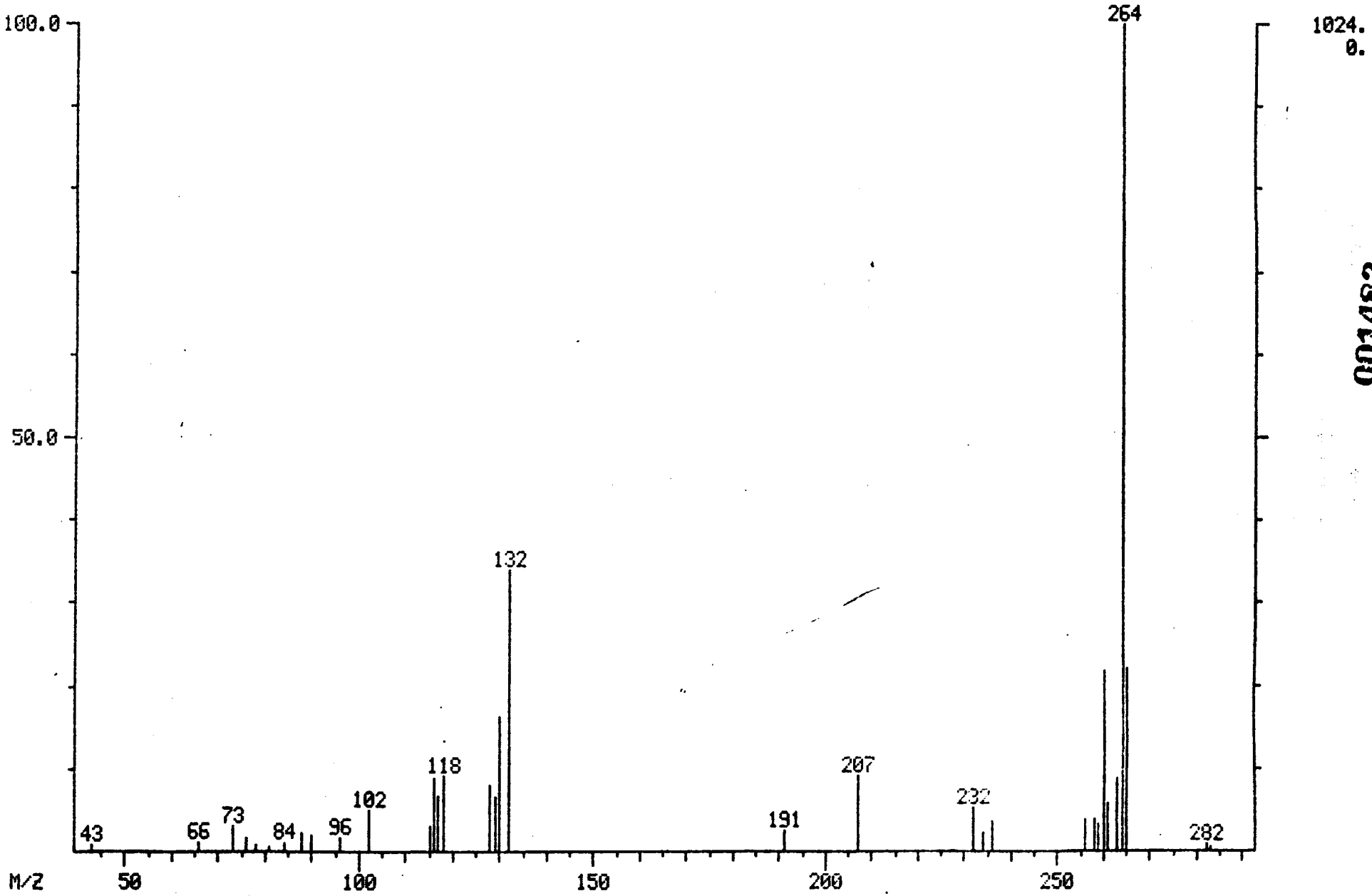


001482

MASS SPECTRUM
04/22/91 12:05:00 + 40:26
SAMPLE: 90903 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: APR22GK04 #4079
CALI: APR22GK04 #3

BASE M/Z: 264
RIC: 3144.

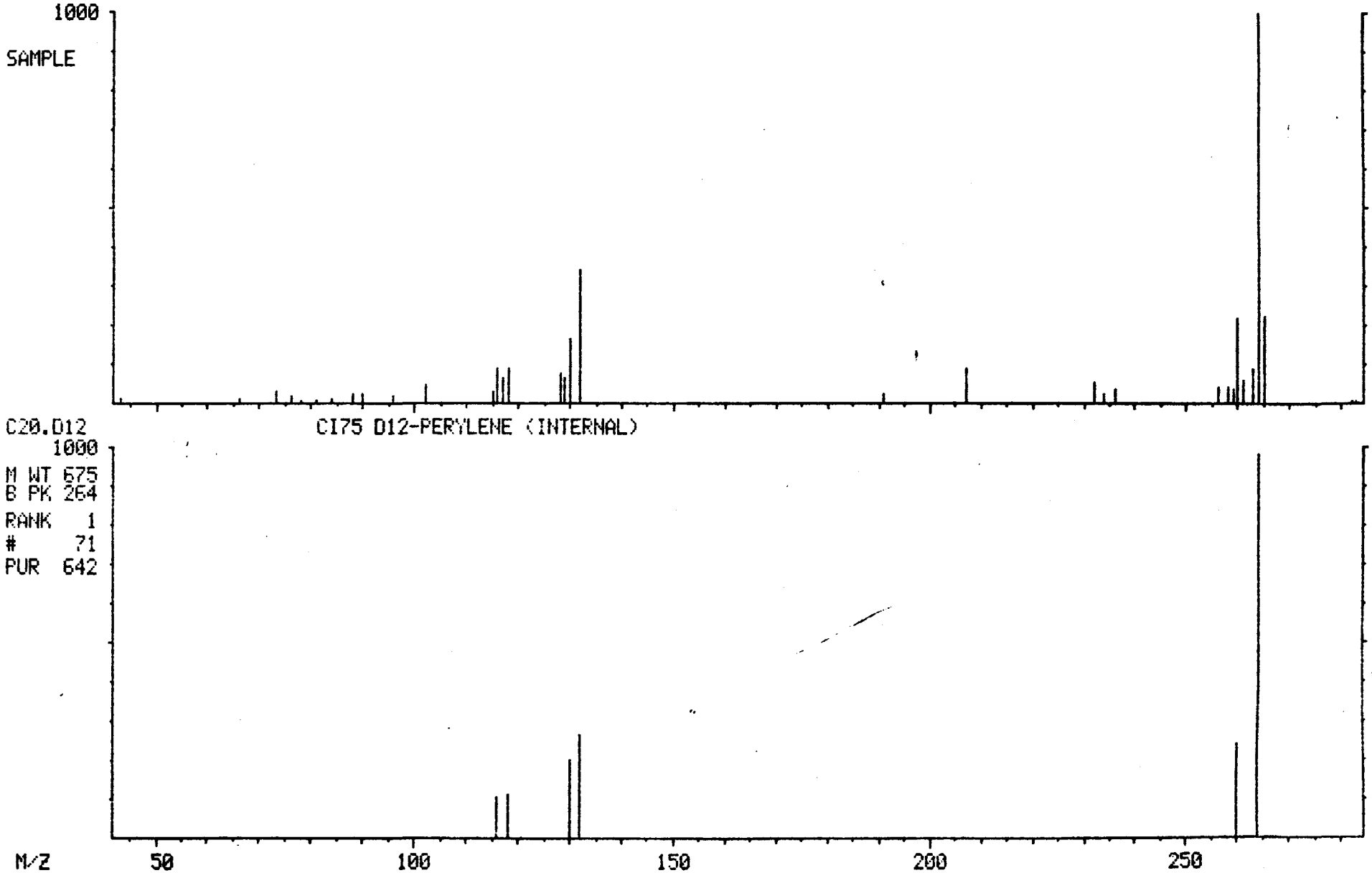


001483

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 12:05:00 + 40:26
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #4079
CALI: APR22GK04 # 3

BASE M/Z: 264
RIC: 3144.

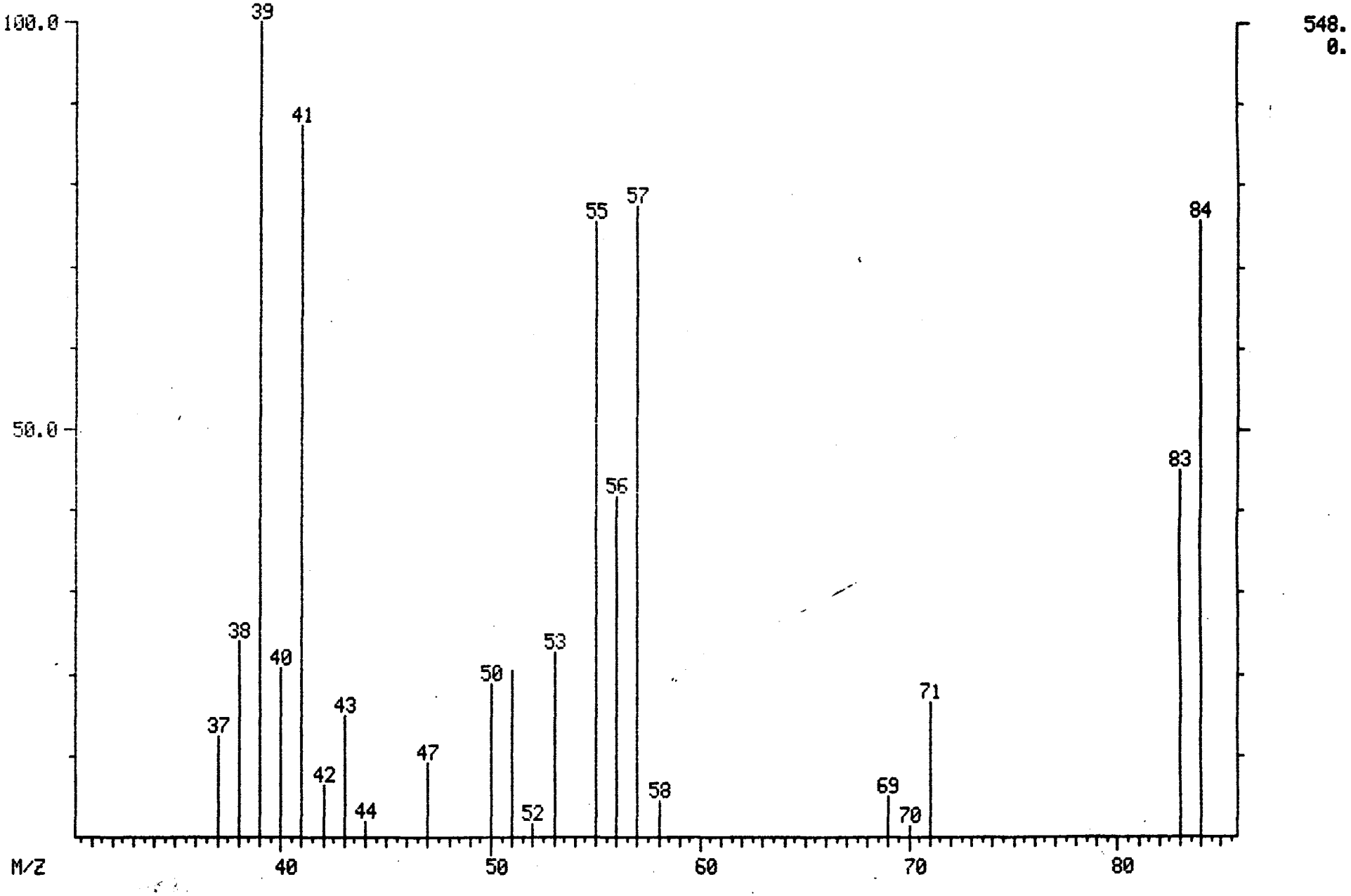


NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 12:05:00 + 6:44
SAMPLE: 90903 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: APR22GK04 #679
CALI: APR22GK04 #3

BASE M/Z: 39
RIC: 3756.

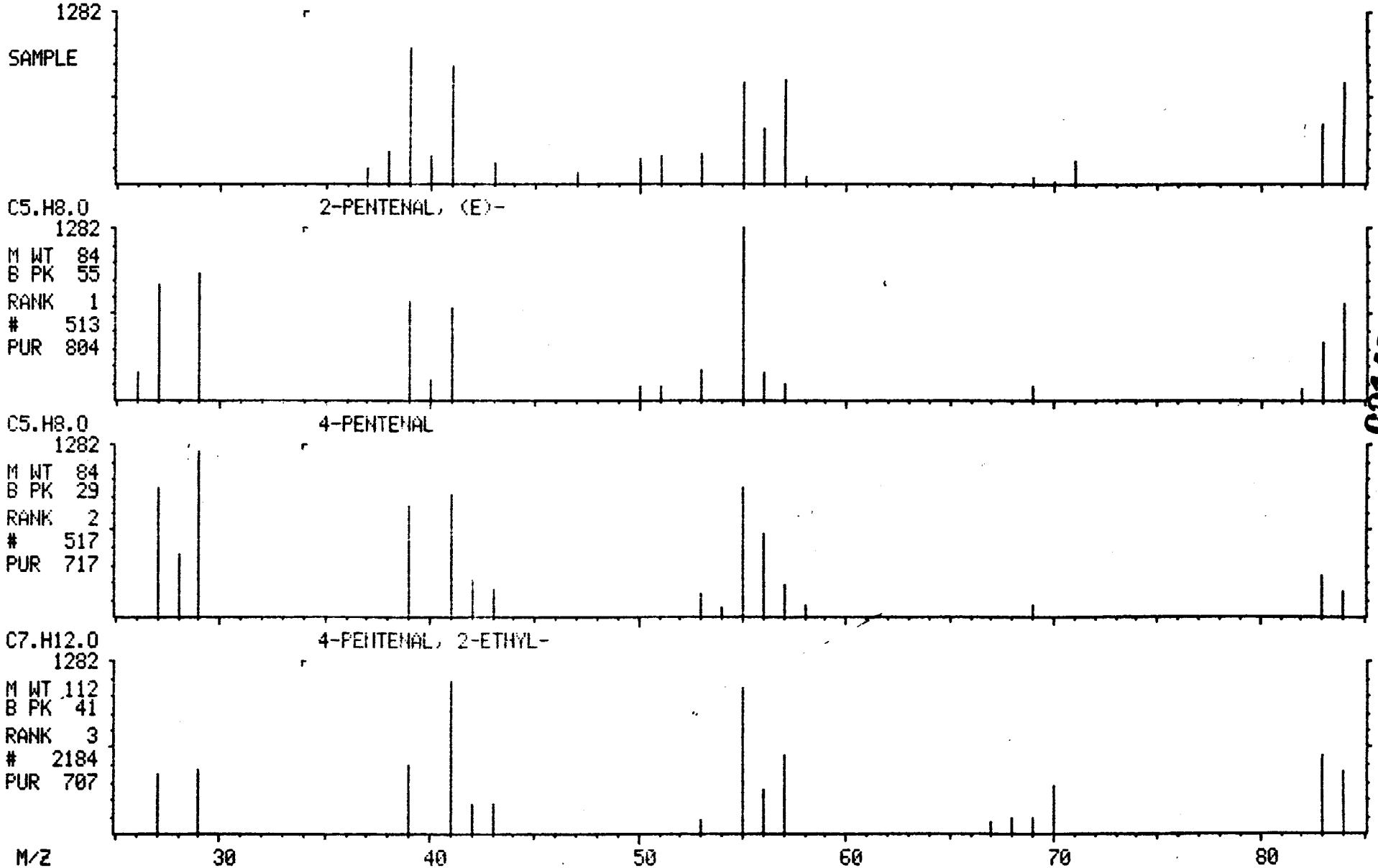


001486

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 6:44
SAMPLE: 90303 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 679
CALI: APR22GK04 # 3

BASE M/Z: 39
RIC: 3696.

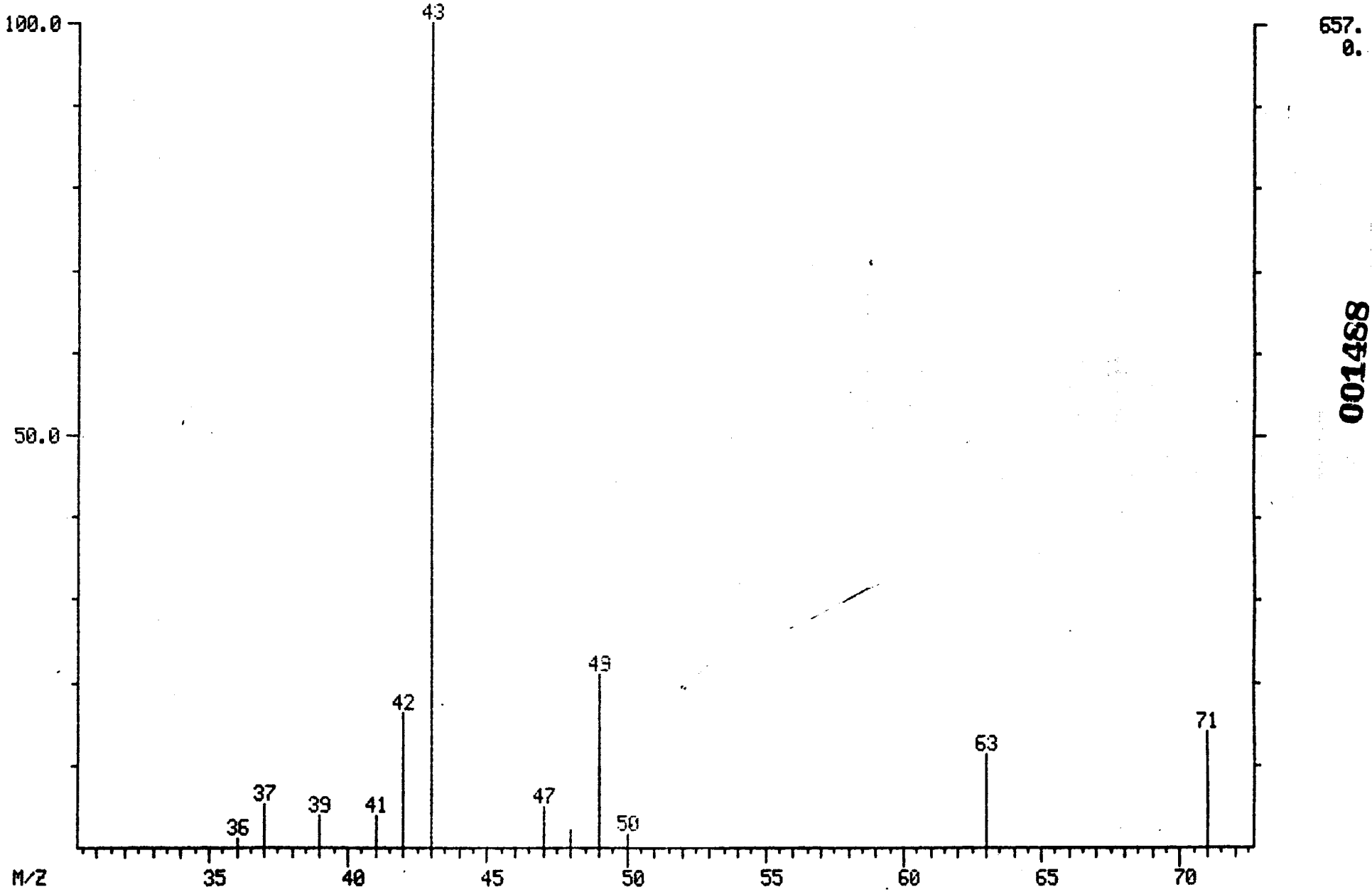


001487

MASS SPECTRUM
04/22/91 12:05:00 + 7:36
SAMPLE: 90903 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: APR22GK04 #766
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 1218.

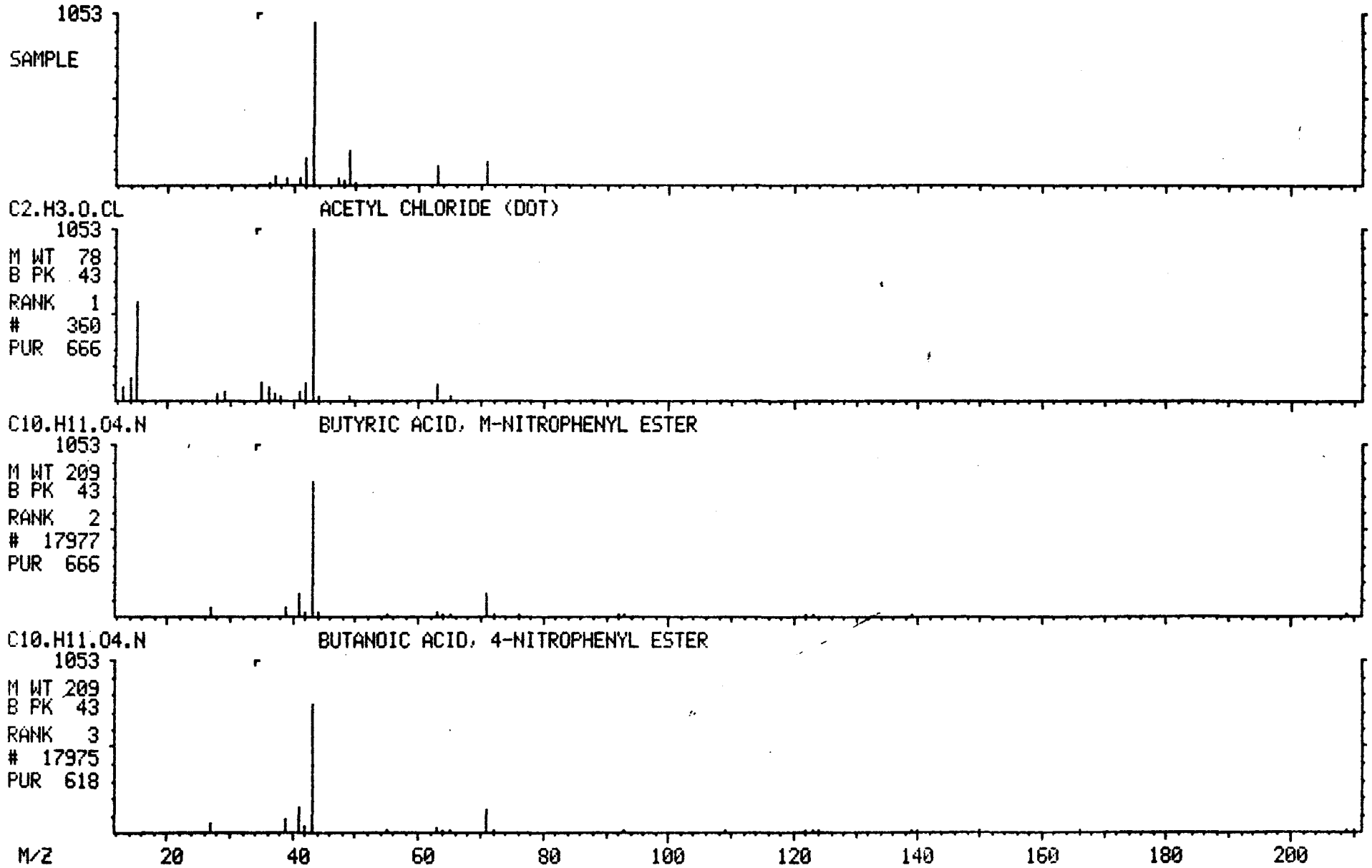


001488

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 7:36
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 766
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 1218.

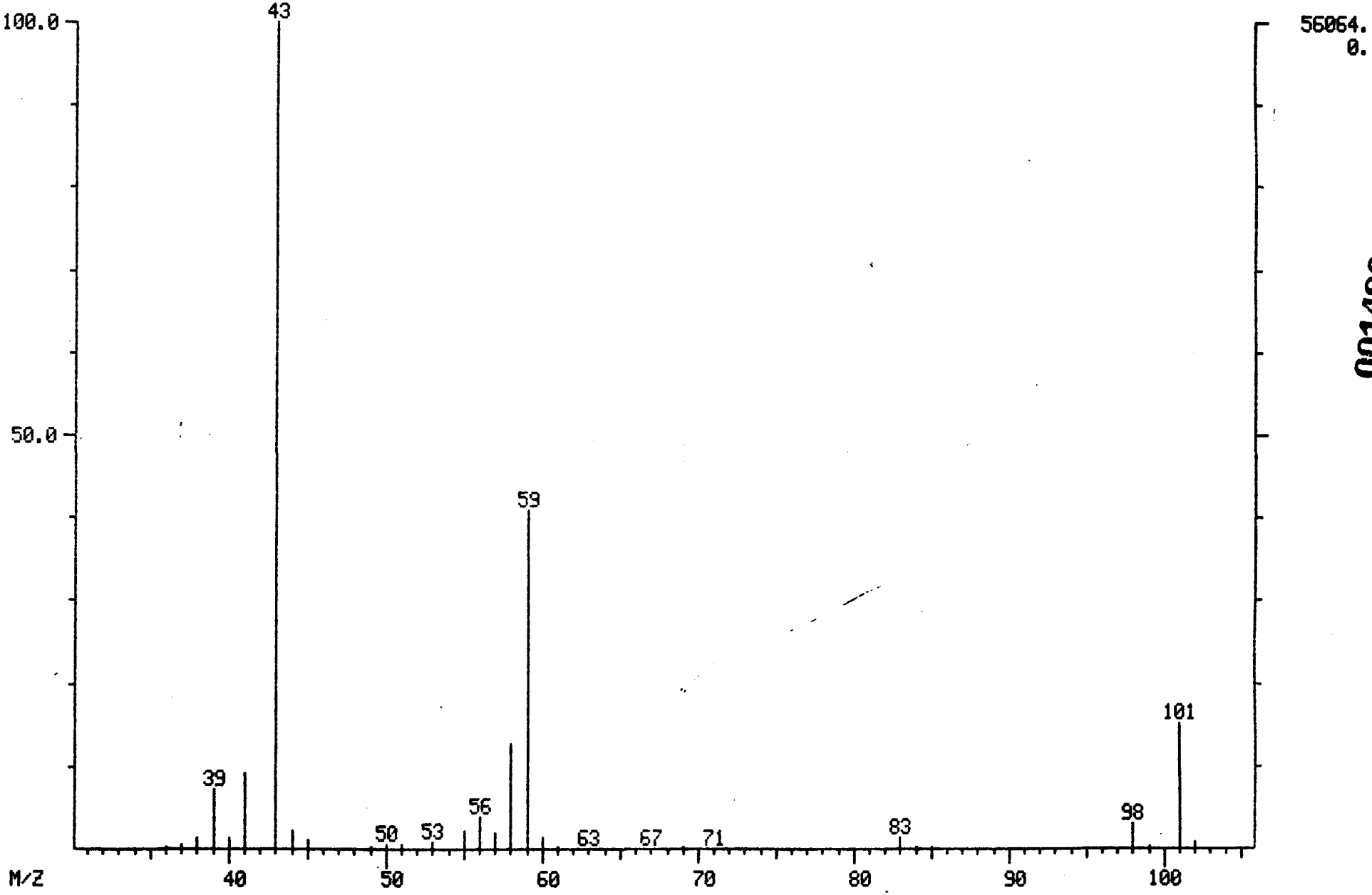


001489

MASS SPECTRUM
04/22/91 12:05:00 + 8:10
SAMPLE: 90903 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: APR22GK04 #824
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 117632.

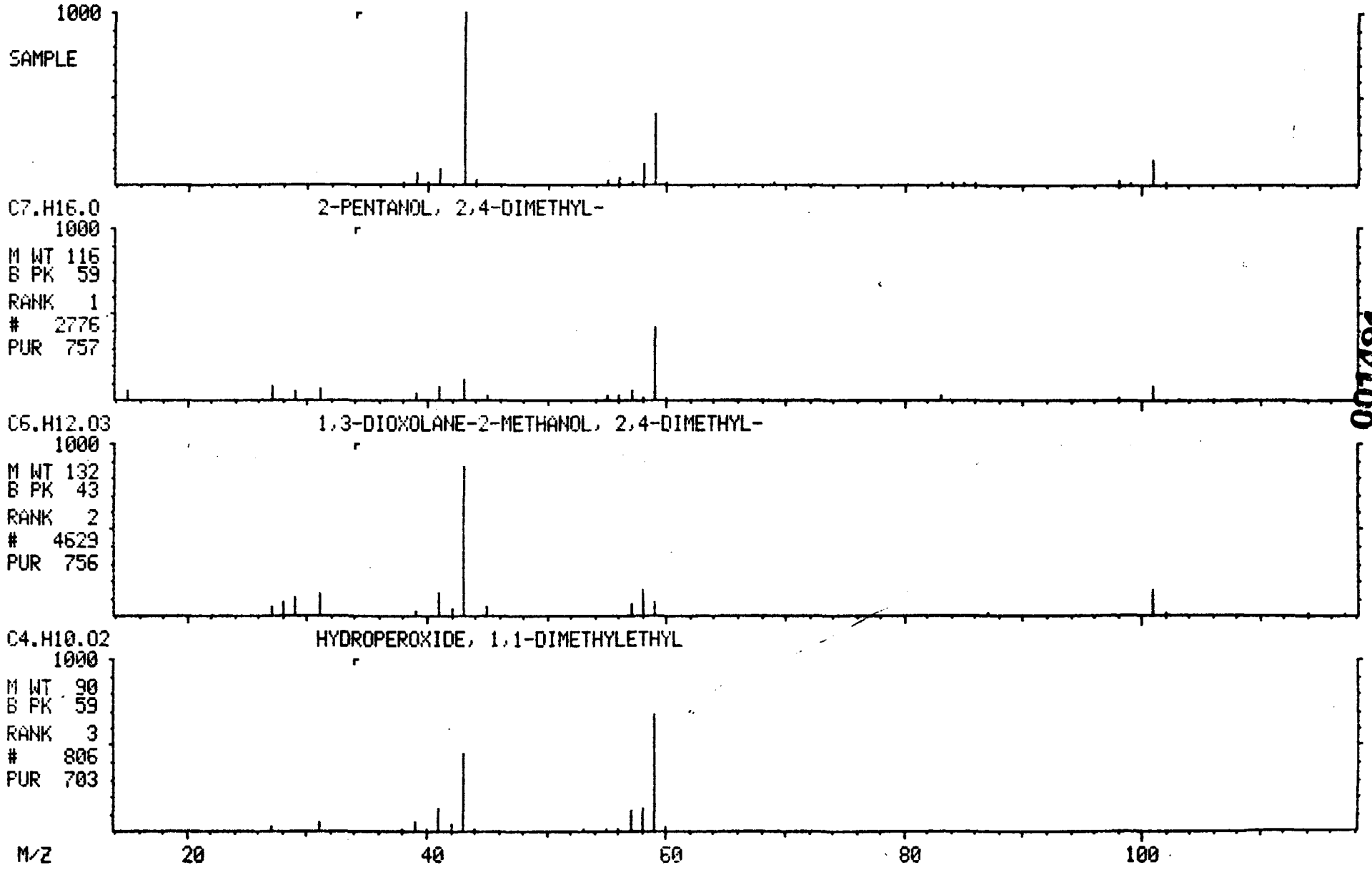


001490

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 8:10
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 824
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 115200.

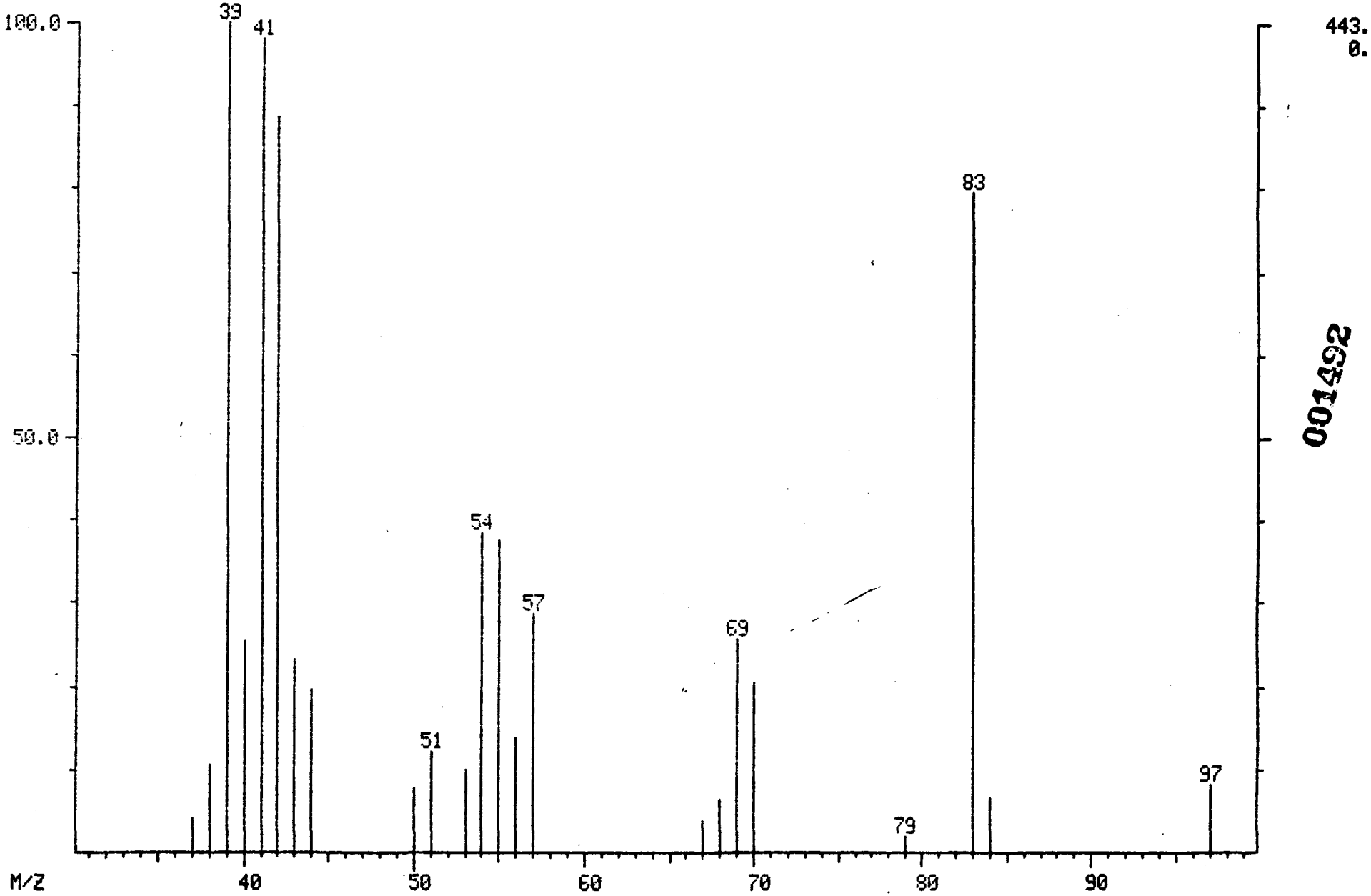


001491

MASS SPECTRUM
04/22/91 12:05:00 + 8:36
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 86 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #867
CALI: APR22GK04 #3

BASE M/Z: 39
RIC: 2976.

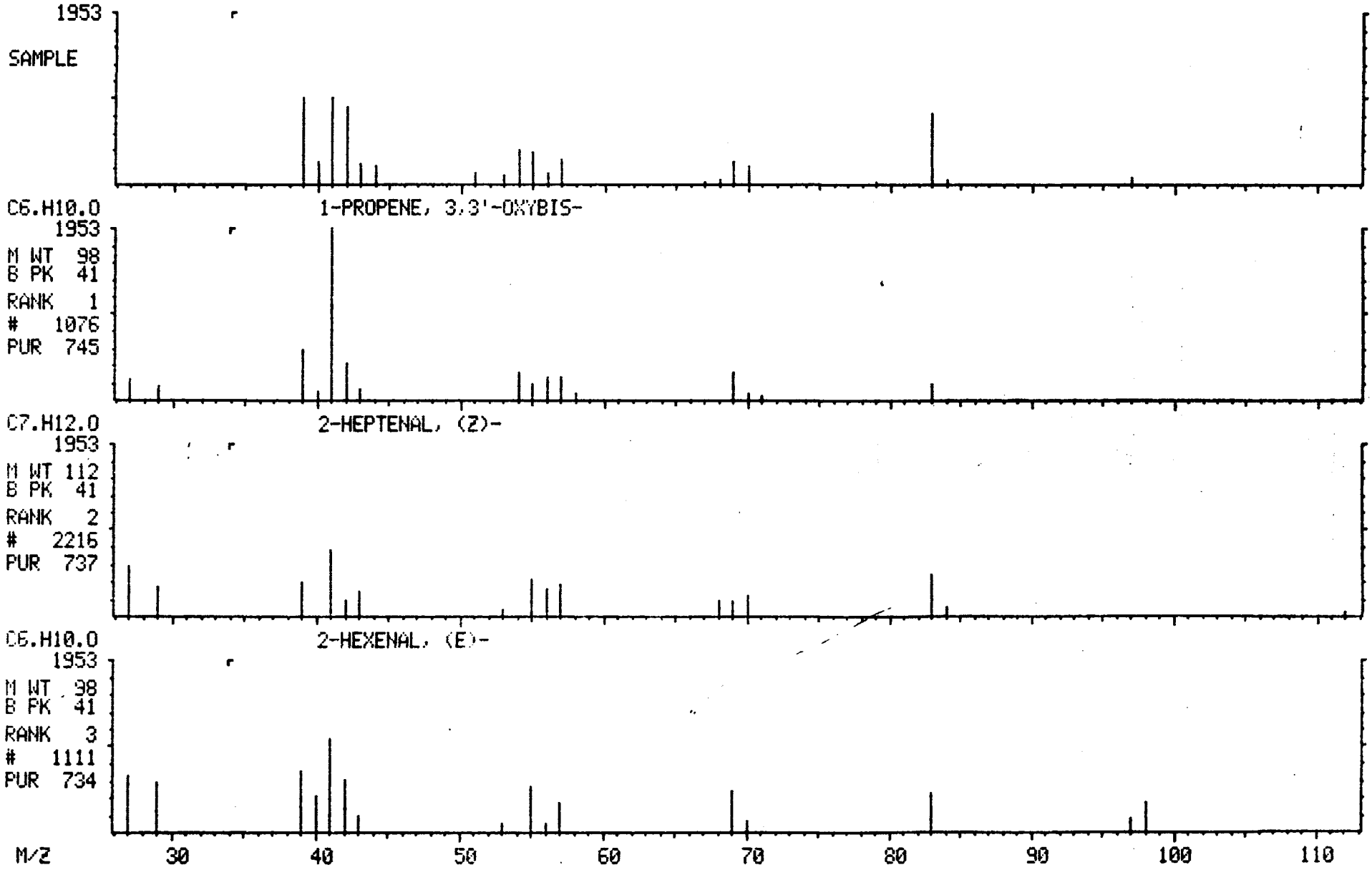


001492

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 8:36
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 867
CALI: APR22GK04 # 3

BASE M/Z: 39
RIC: 2876.

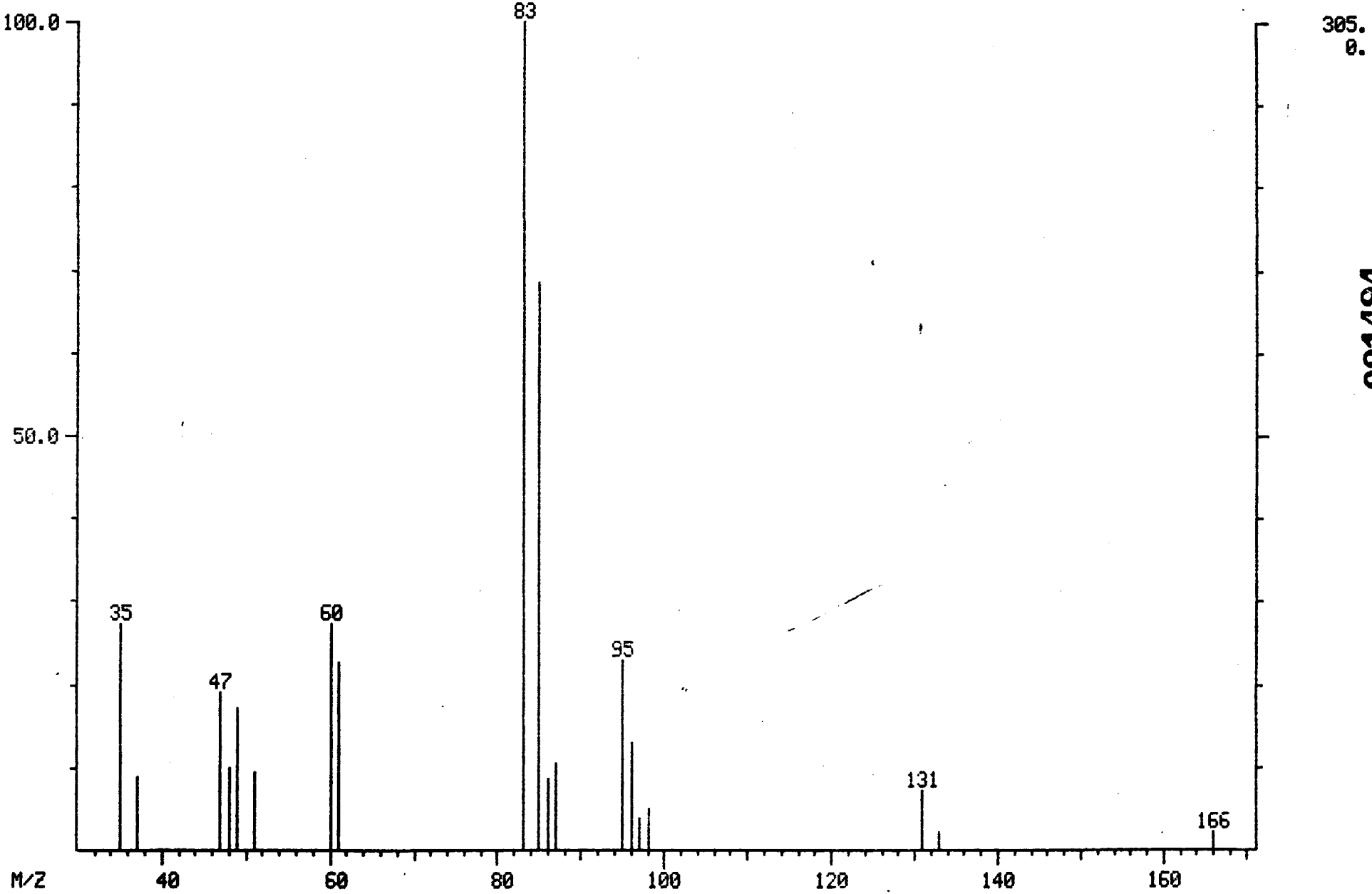


001493

MASS SPECTRUM
04/22/91 12:05:00 + 9:48
SAMPLE: 90903 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: APR22GK04 #989
CALI: APR22GK04 #3

BASE M/Z: 83
RIC: 1180.

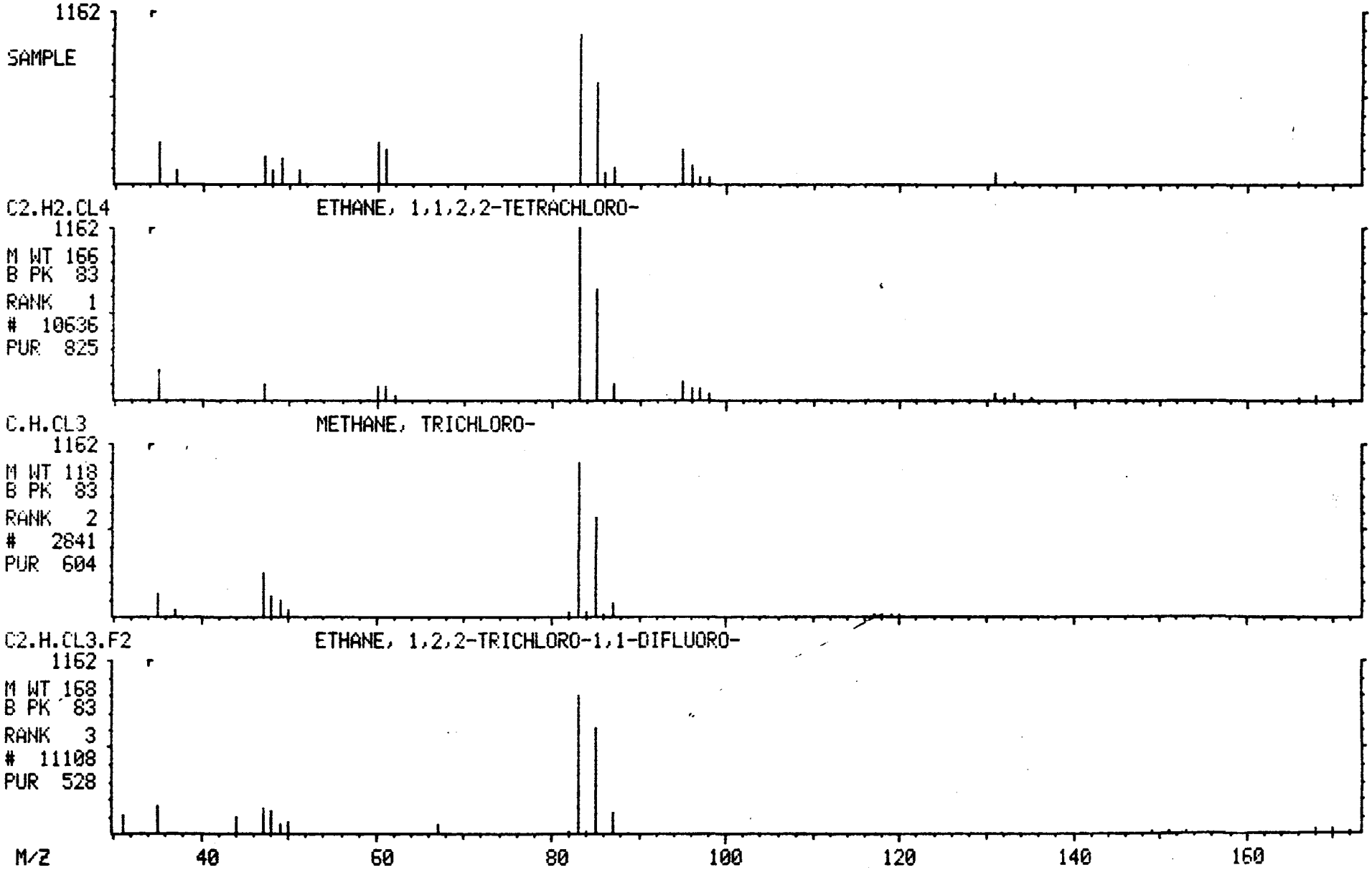


001494

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 9:48
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 # 989
CALI: APR22GK04 # 3

BASE M/Z: 83
RIC: 1180.

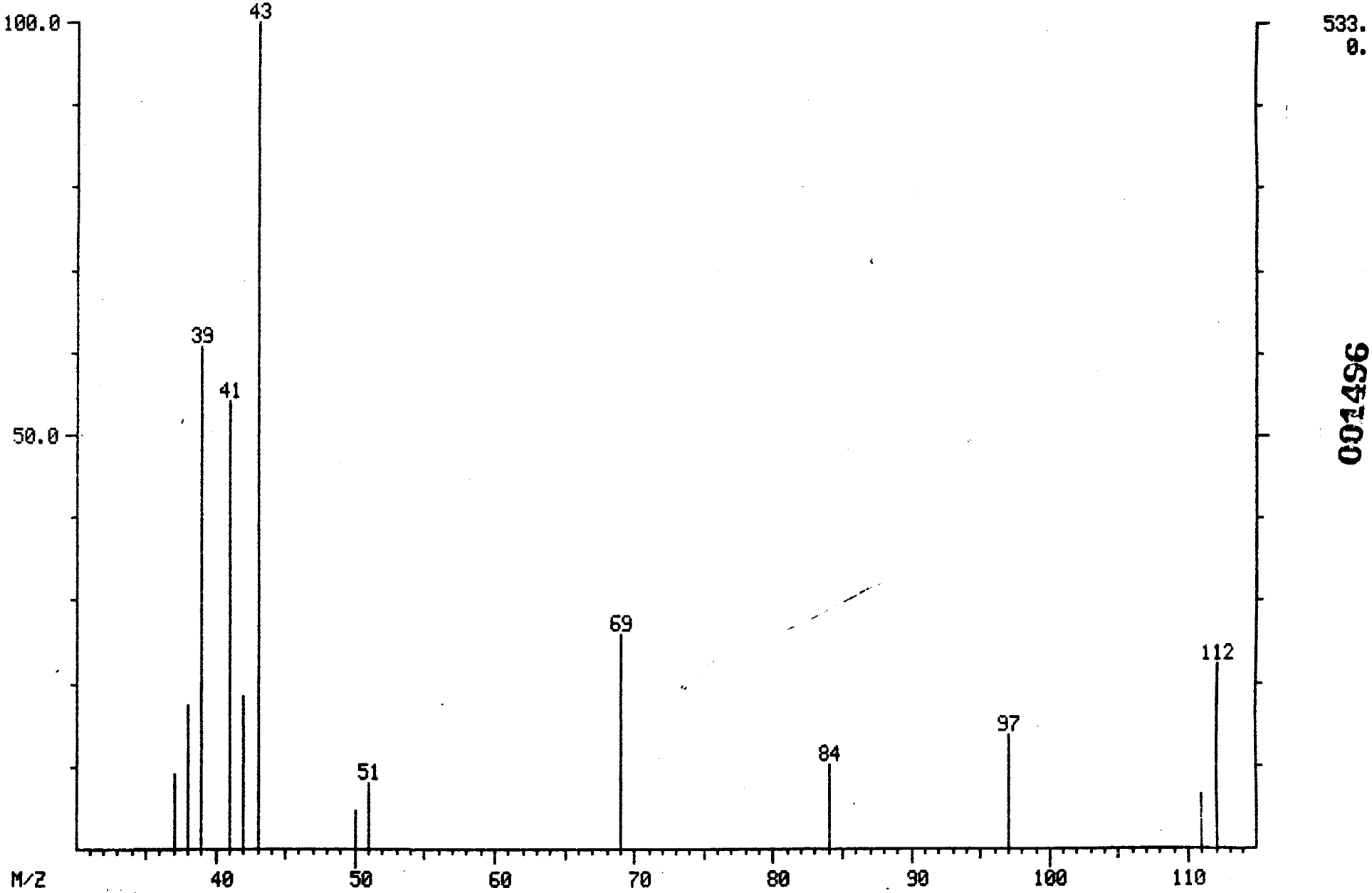


001495

MASS SPECTRUM
04/22/91 12:05:00 + 10:12
SAMPLE: 90903 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: APR22GK04 #1029
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 1880.

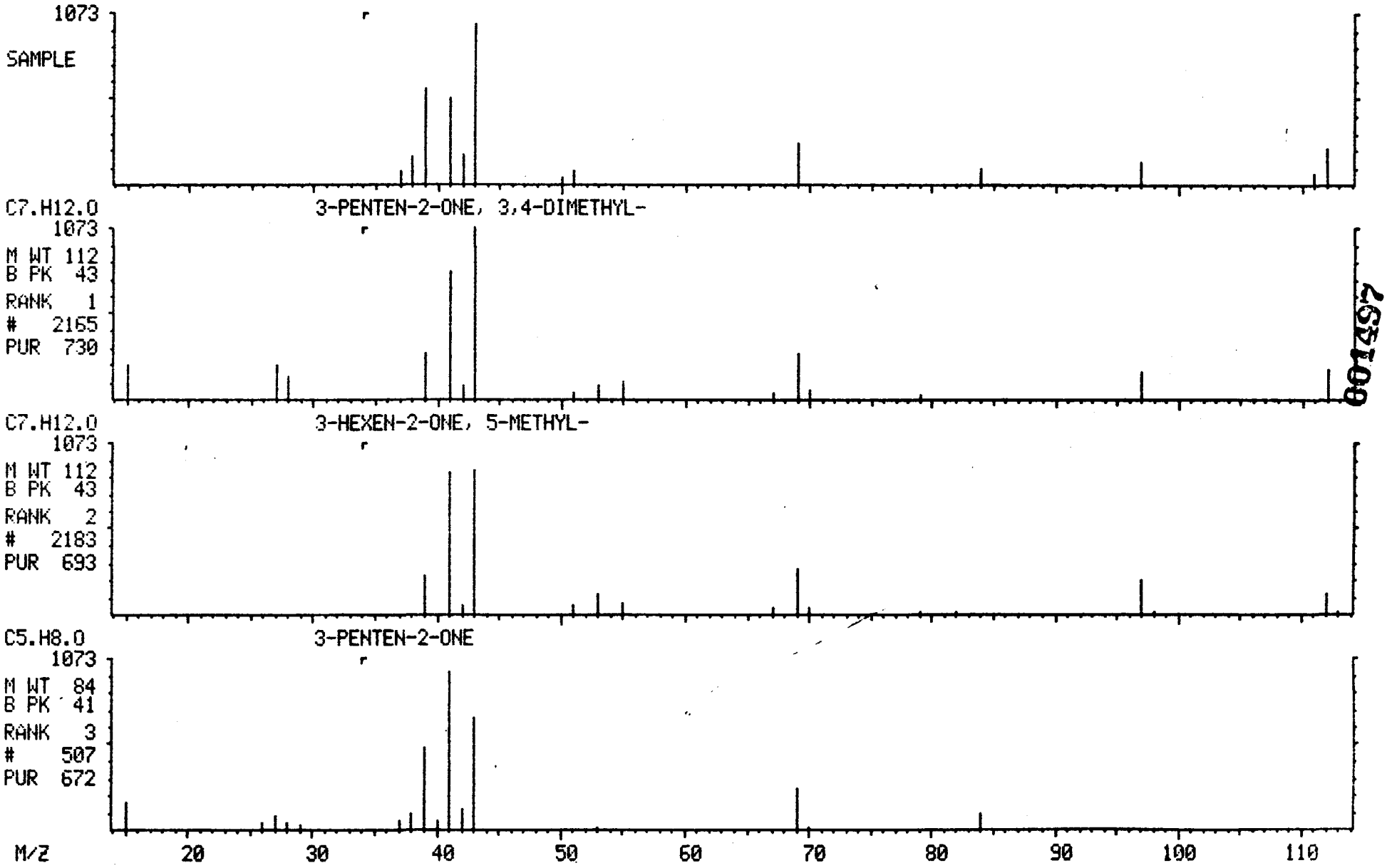


001496

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 10:12
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1029
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 1880.

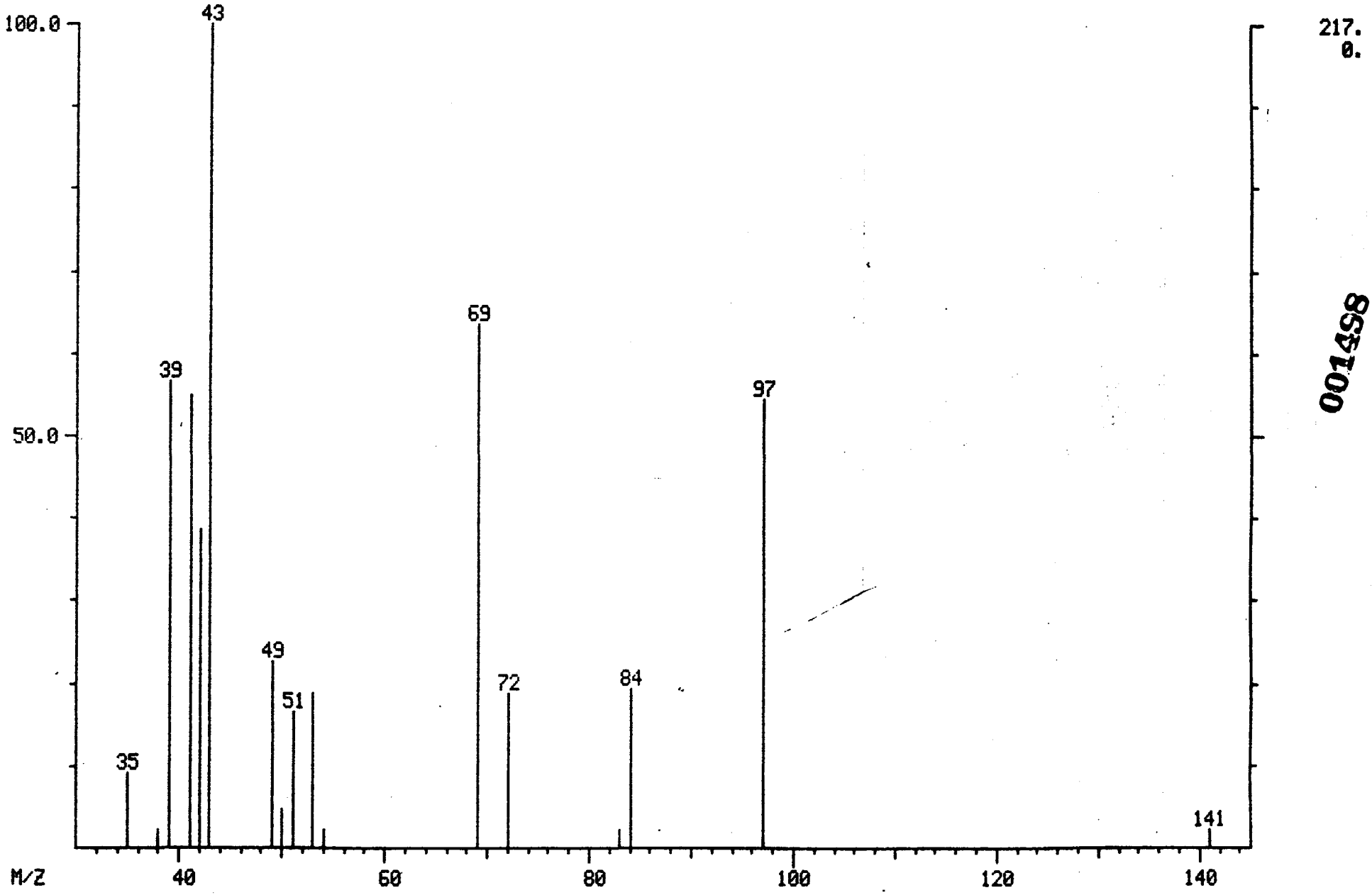


001457

MASS SPECTRUM
04/22/91 12:05:00 + 10:35
SAMPLE: 90903 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: APR22GK04 #1068
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 1060.

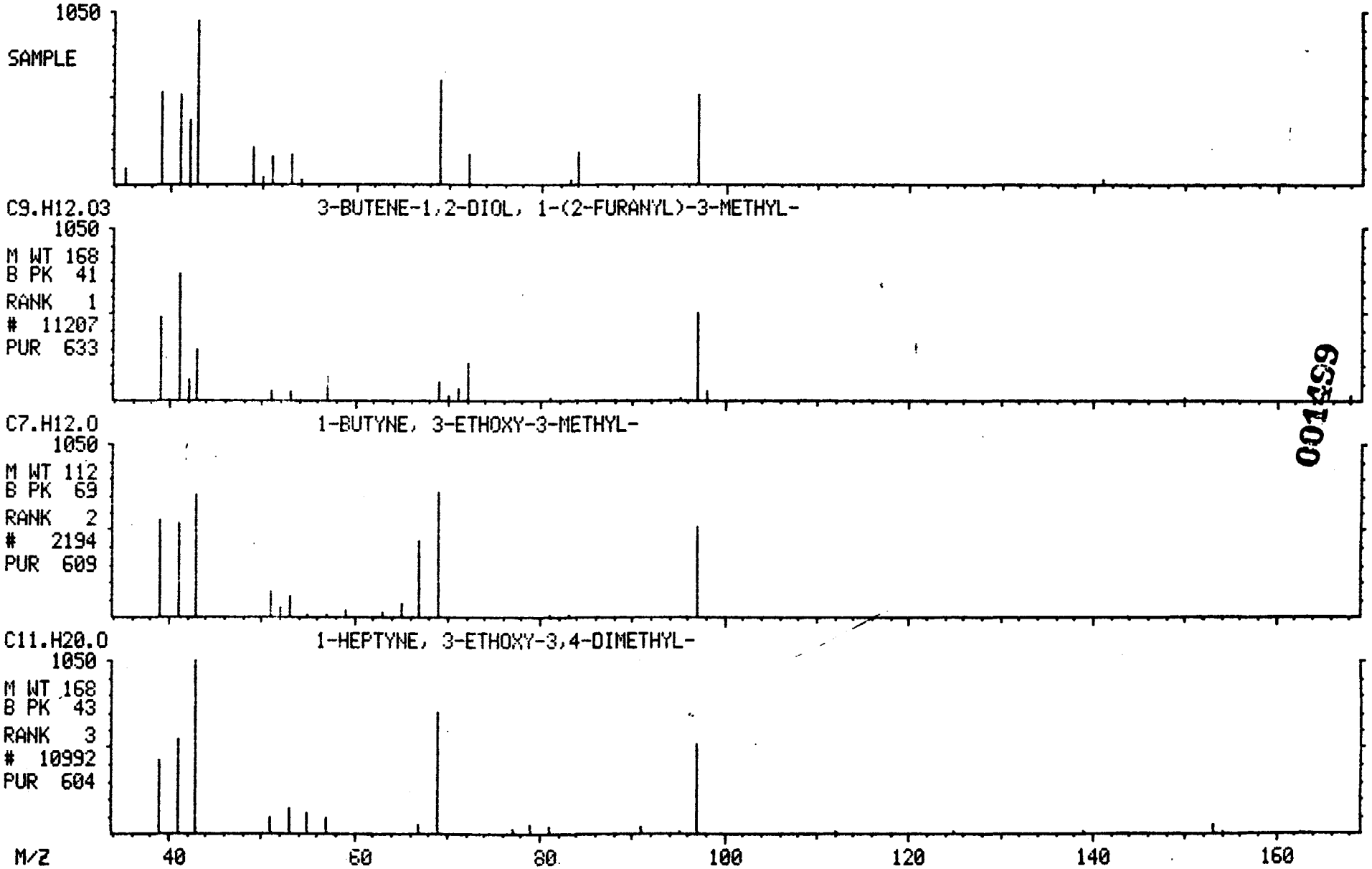


001498

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 10:35
SAMPLE: 90903 GFC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1068
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 1054.

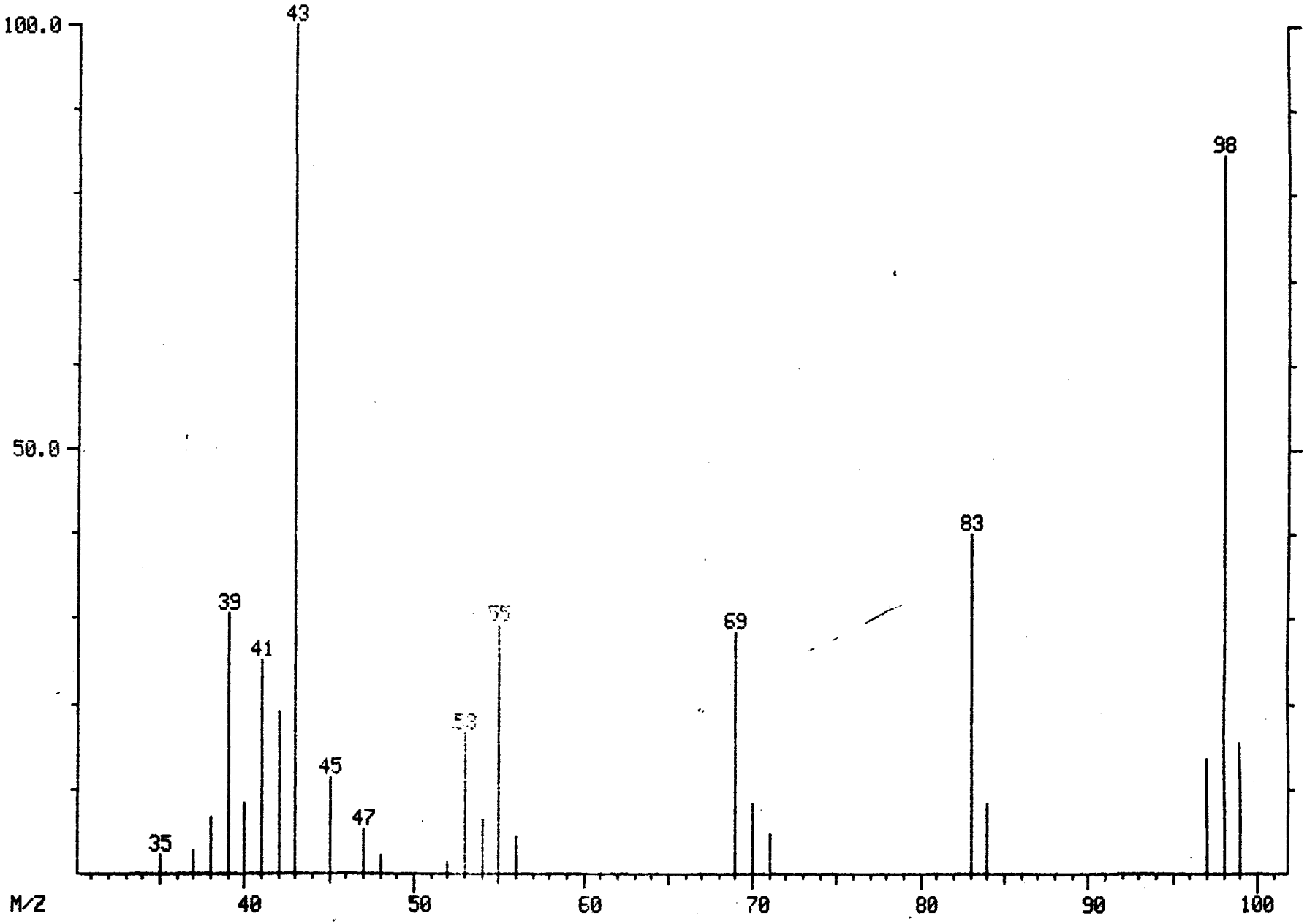


001439

MASS SPECTRUM
04/22/91 12:05:00 + 11:14
SAMPLE: 90903 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: APR22GK04 #1134
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 2168.

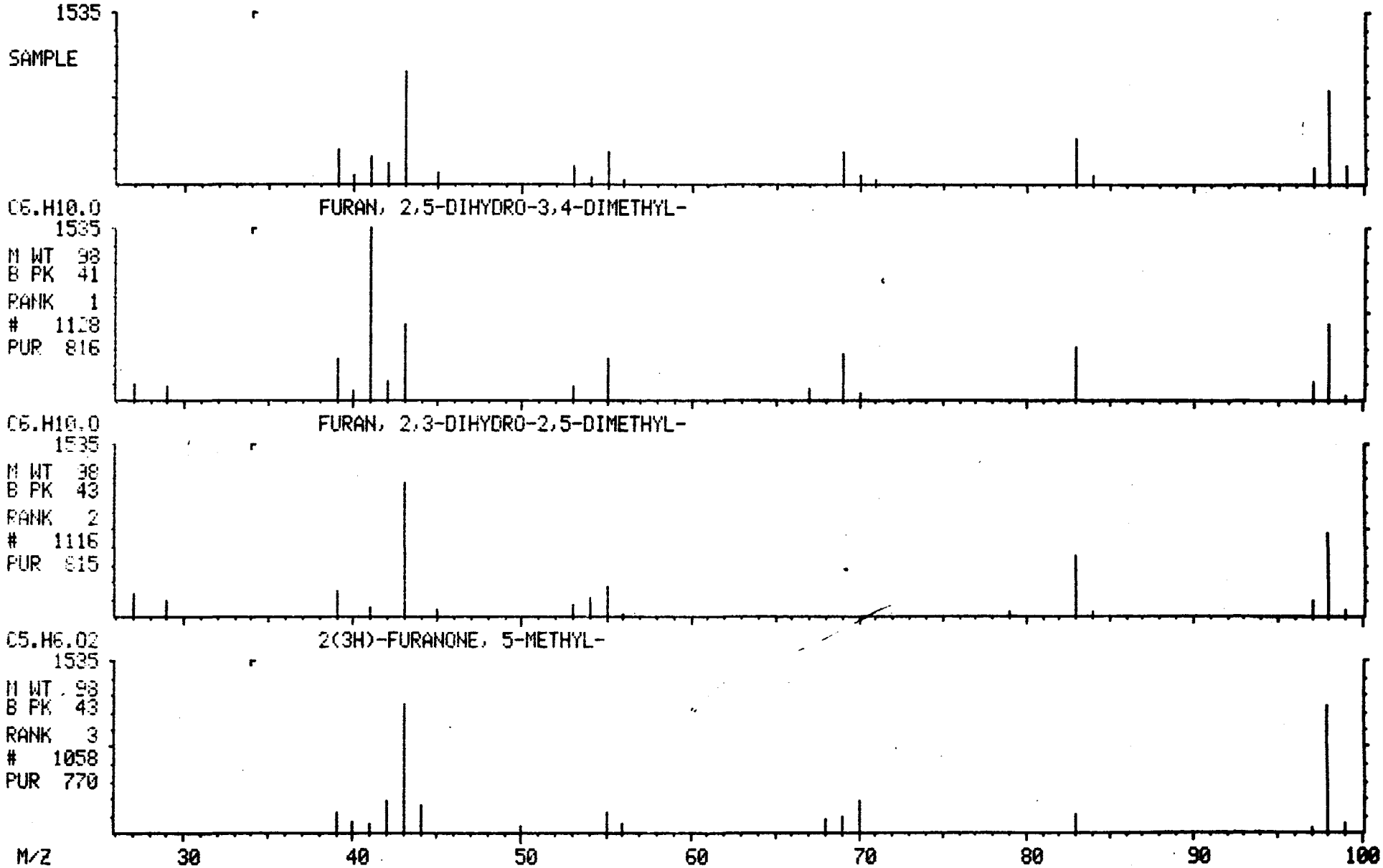


001500

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 11:14
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1134
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 2072.

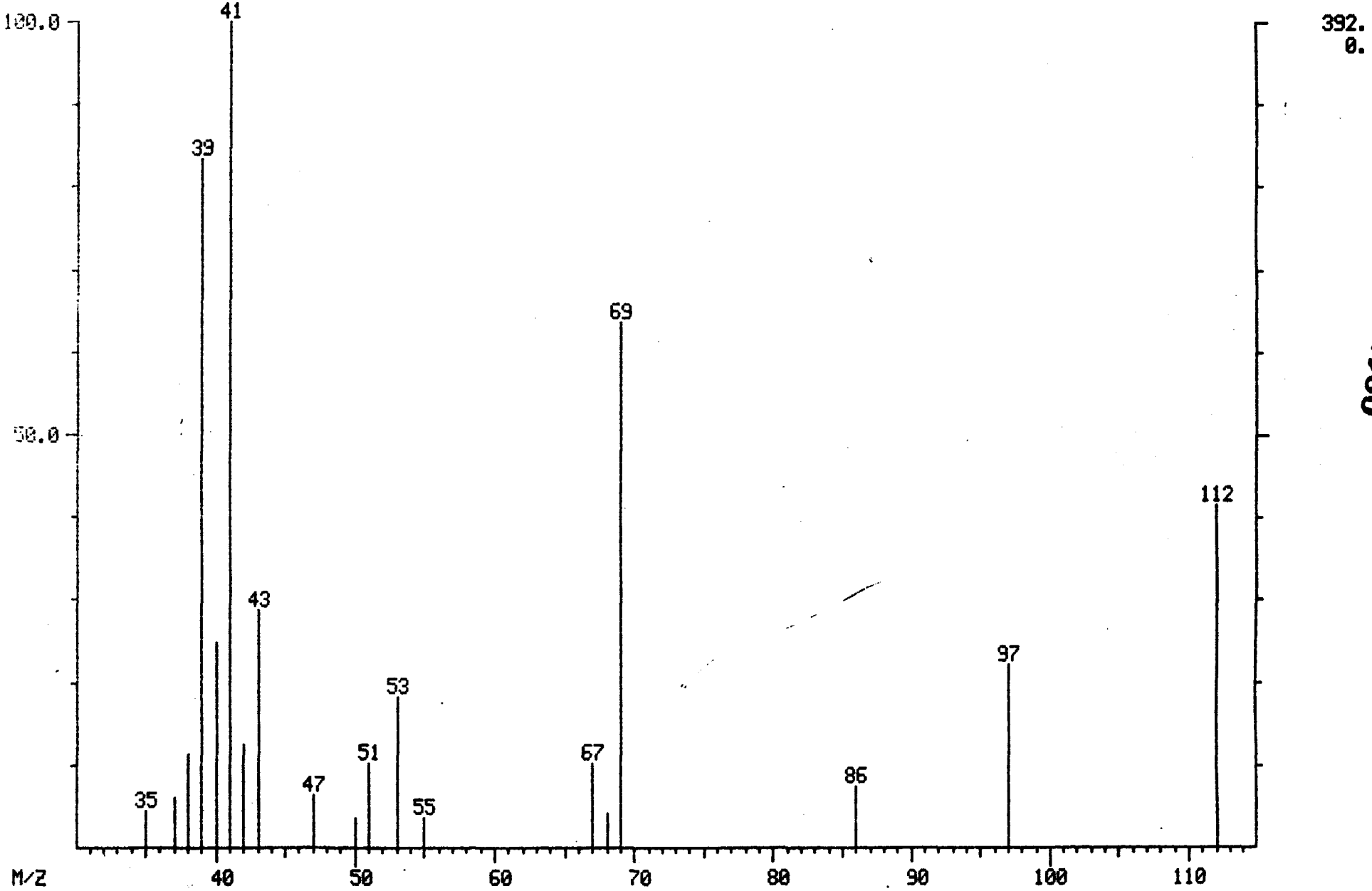


001501

MASS SPECTRUM
04/22/91 12:05:00 + 11:35
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: APR22GK04 #1169
CALI: APR22GK04 #3

BASE M/Z: 41
RIC: 1816.

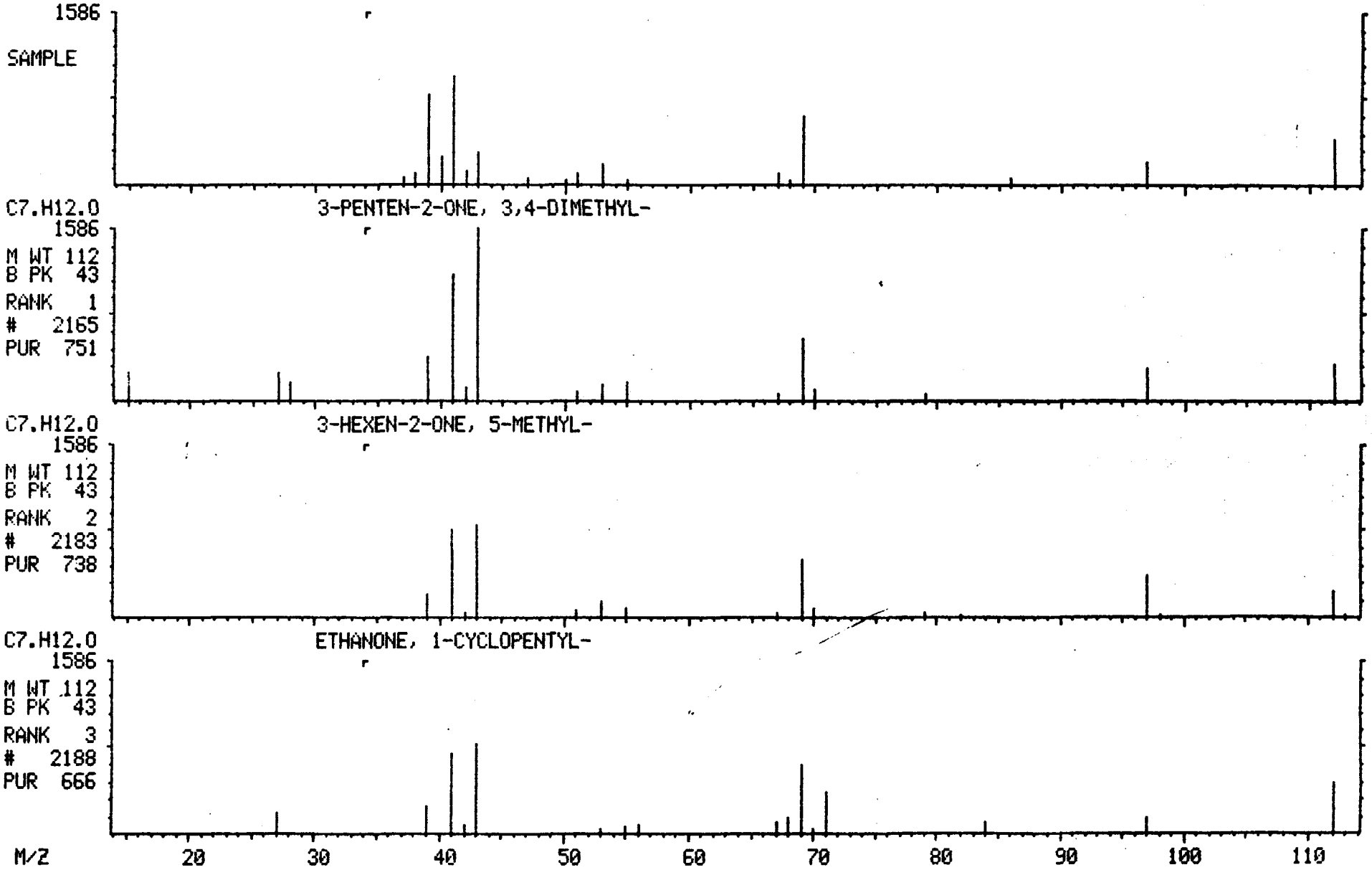


001502

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 11:35
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1169
CALI: APR22GK04 # 3

BASE M/Z: 41
RIC: 1798.

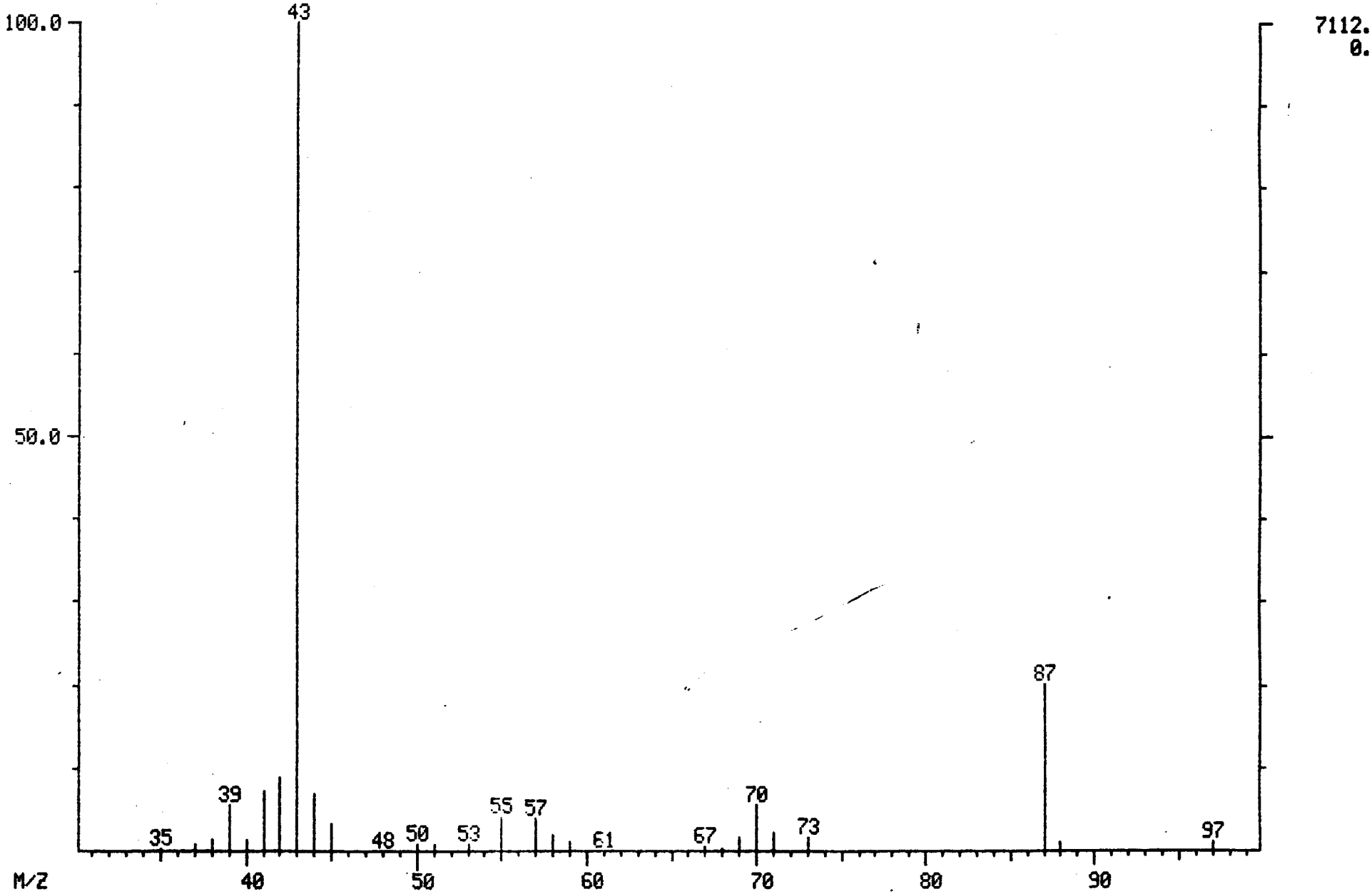


001503

MASS SPECTRUM
04/22/91 12:05:00 + 11:41
SAMPLE: 90903 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: APR22GK04 #1179
CALI: APR22GK04 #3

BASE M/Z: 43
RIC: 13056.

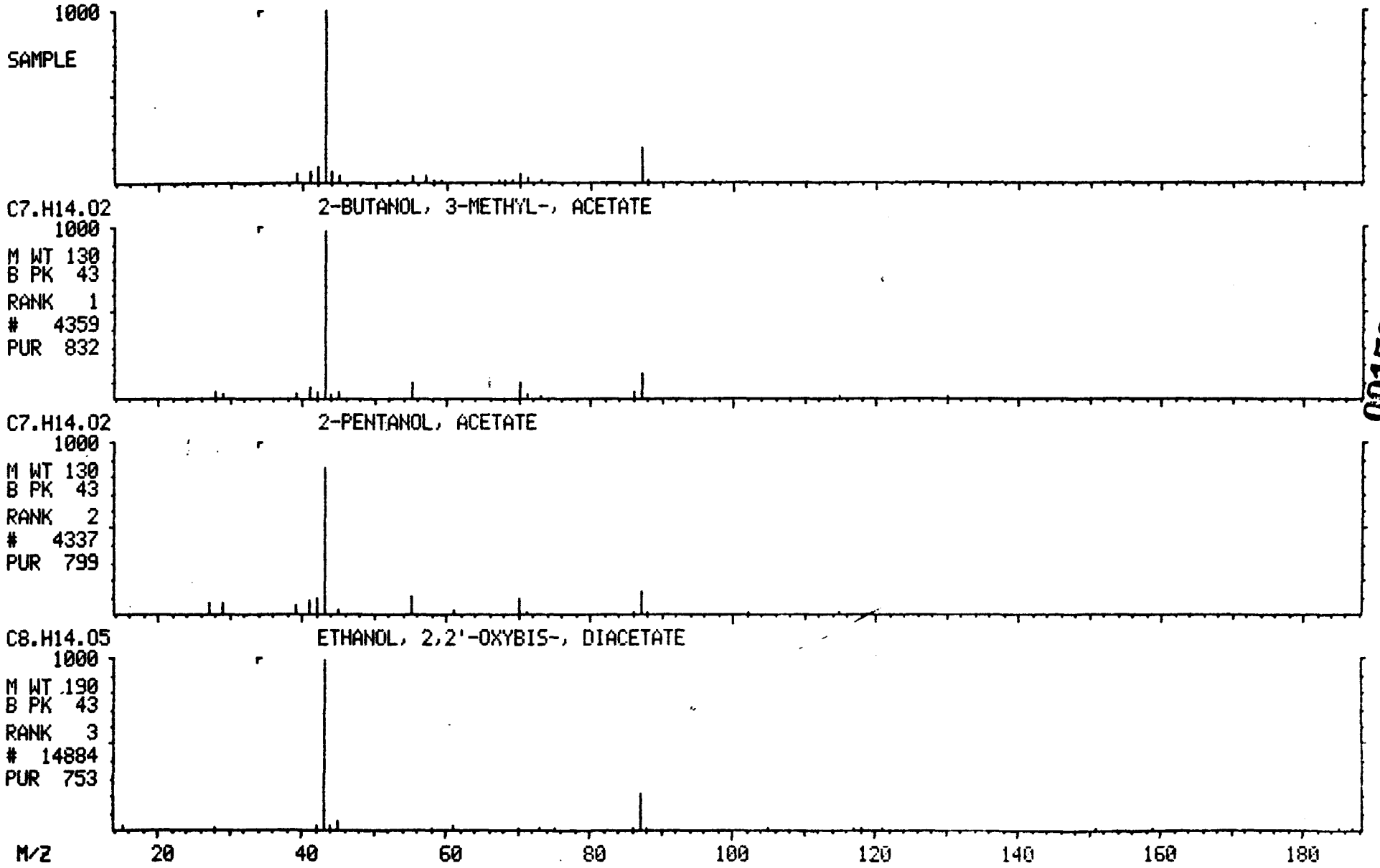


001504

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 11:41
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1179
CALI: APR22GK04 # 3

BASE M/Z: 43
RIC: 12656.

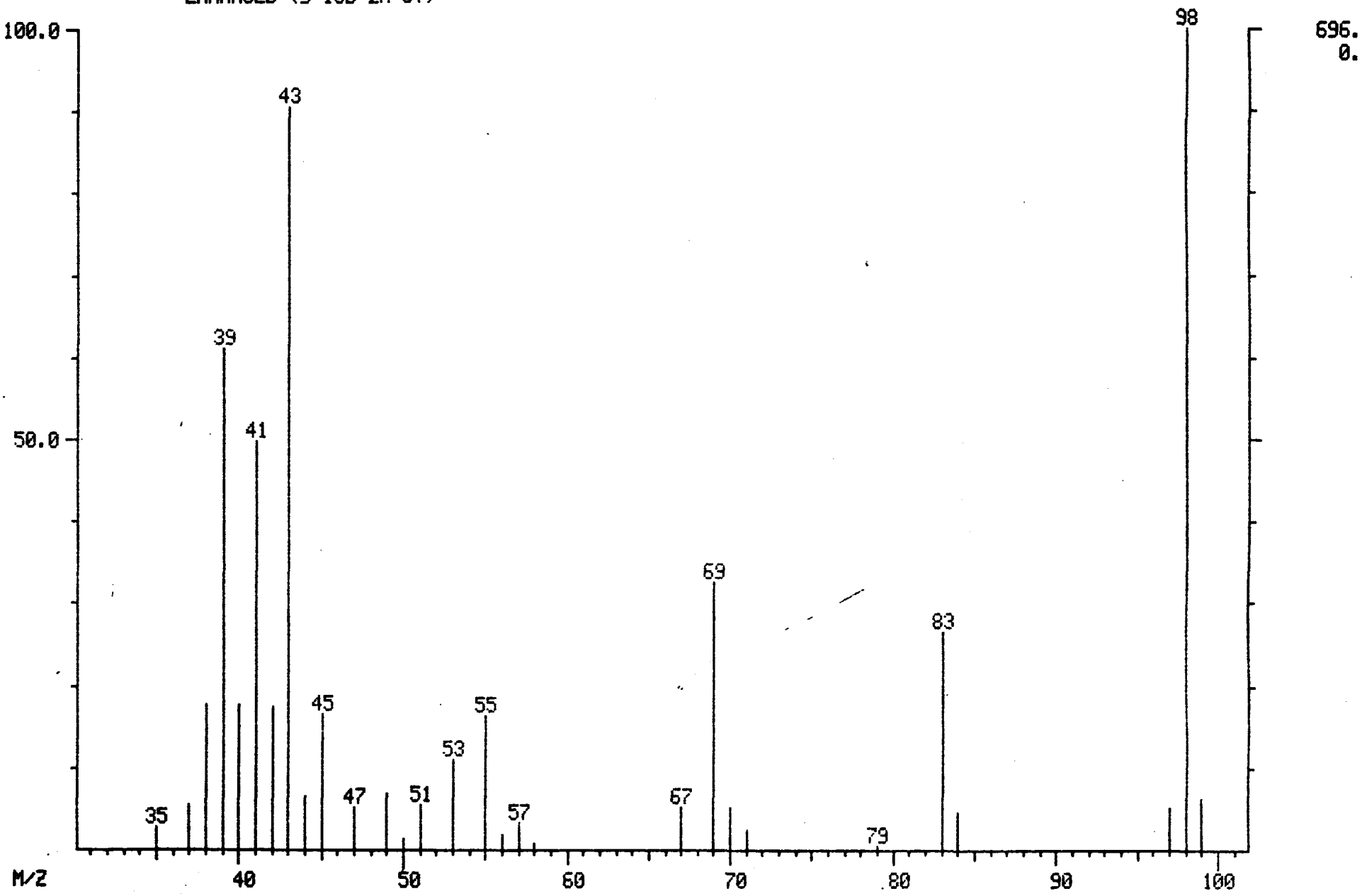


001505

MASS SPECTRUM
04/22/91 12:05:00 + 12:09
SAMPLE: 90903 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: APR22GK04 #1226
CALI: APR22GK04 #3

BASE M/Z: 98
RIC: 3672.

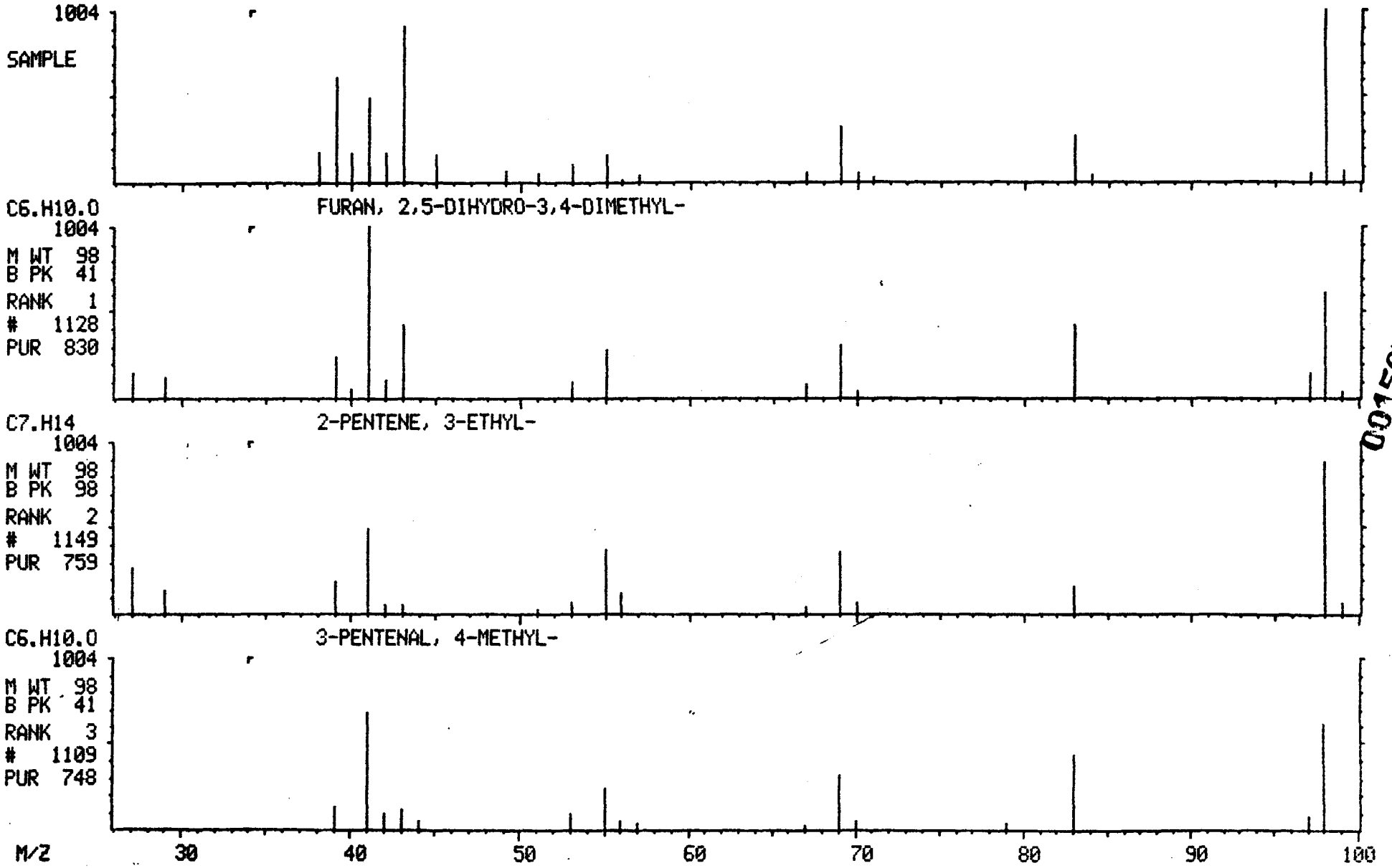


001506

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 12:09
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1226
CALI: APR22GK04 # 3

BASE M/Z: 98
RIC: 3508.

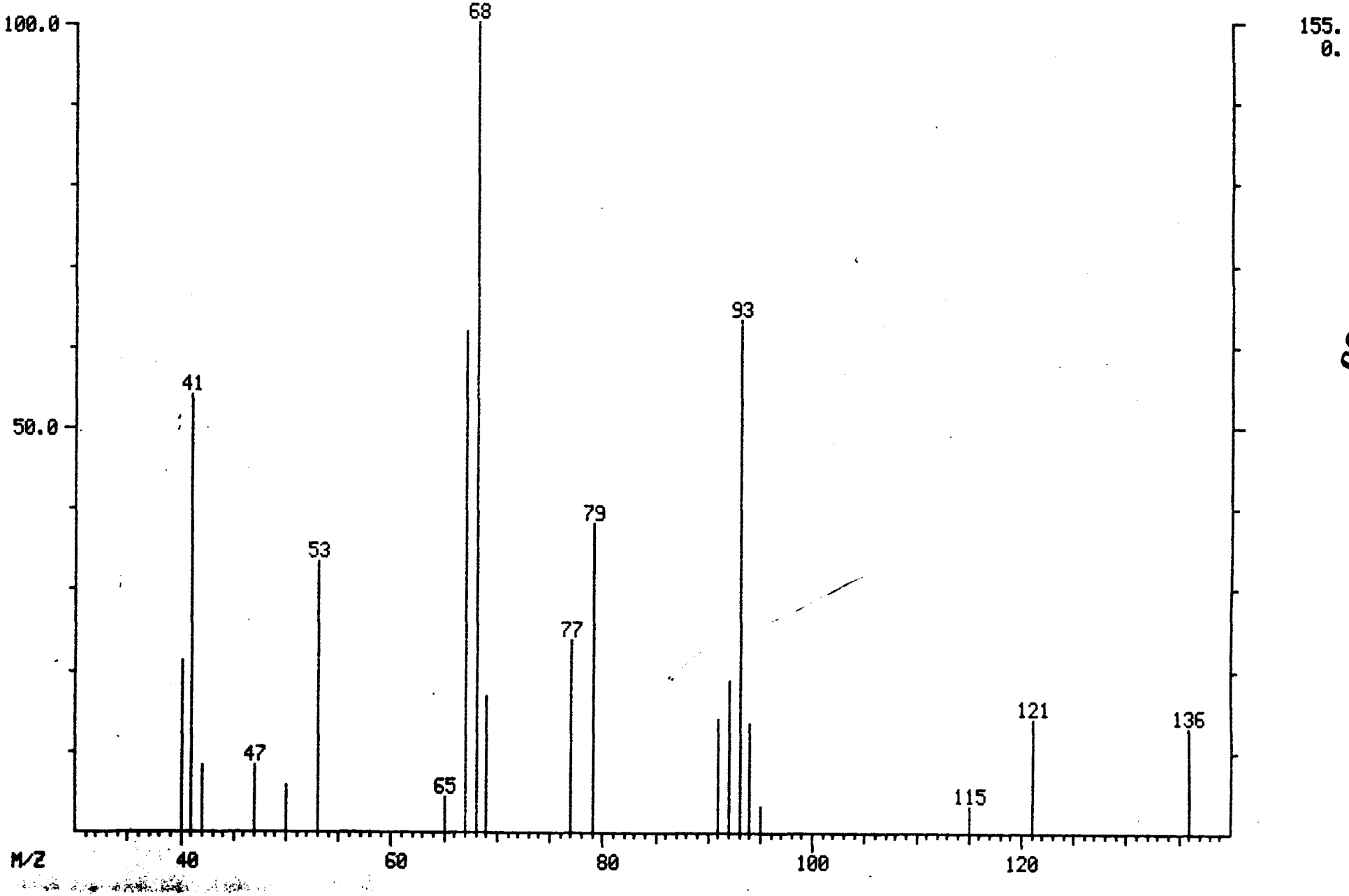


001507

MASS SPECTRUM
04/22/91 12:05:00 + 12:13
SAMPLE: 90903 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: APR22GK04 #1232
CALI: APR22GK04 #3

BASE M/Z: 68
RIC: 806.

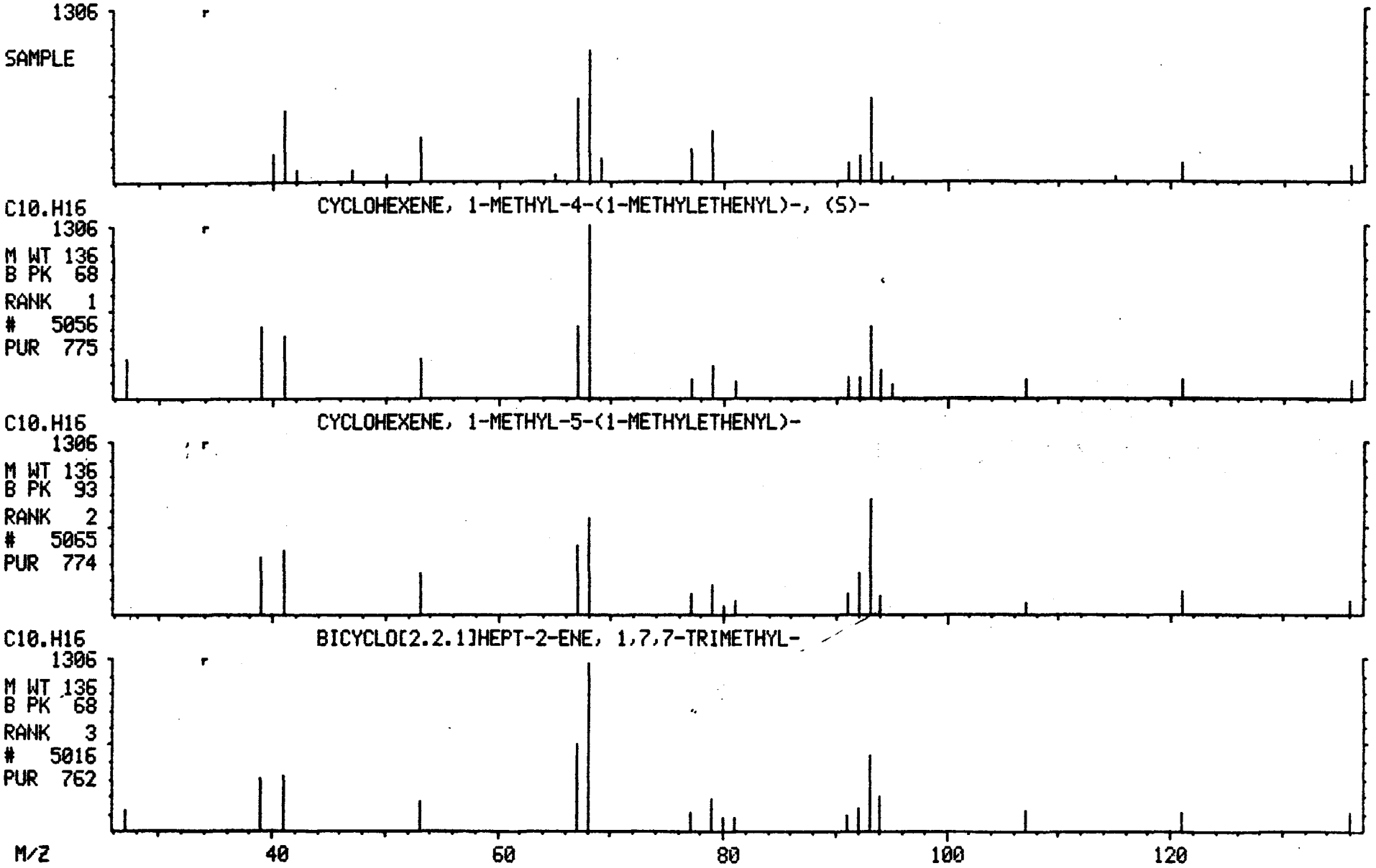


001508

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 12:13
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1232
CALI: APR22GK04 # 3

BASE M/Z: 68
RIC: 806.

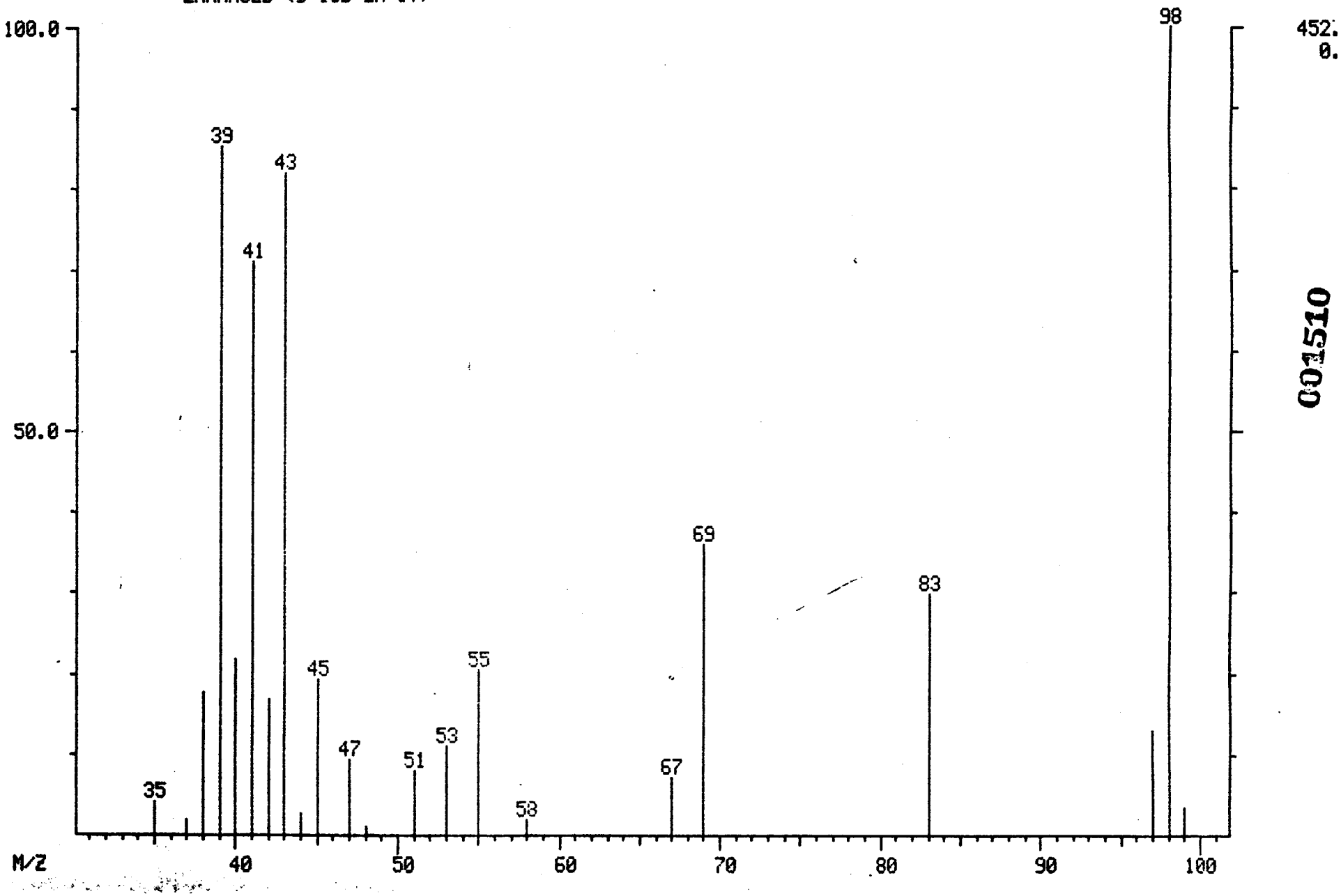


001509

MASS SPECTRUM
04/22/91 12:05:00 + 12:28
SAMPLE: 90903 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: APR22GK04 #1258
CALI: APR22GK04 #3

BASE M/Z: 98
RIC: 2560.

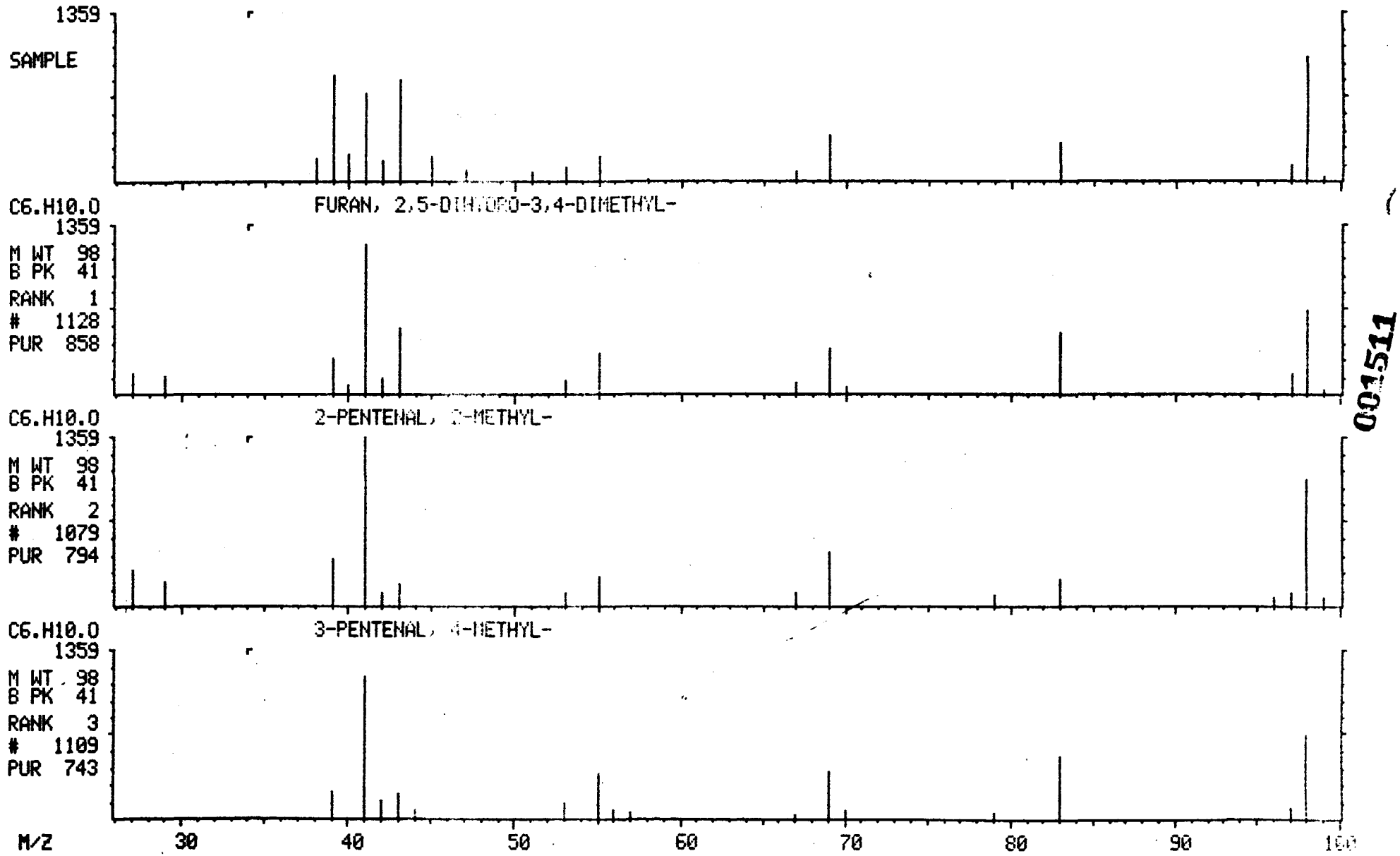


001510

MID LIBRARY SEARCH (LIBRARYHB)
04/22/91 12:05:00 + 12:28
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1258
CALI: APR22GK04 # 3

BASE M/Z: 98
RIC: 2516.

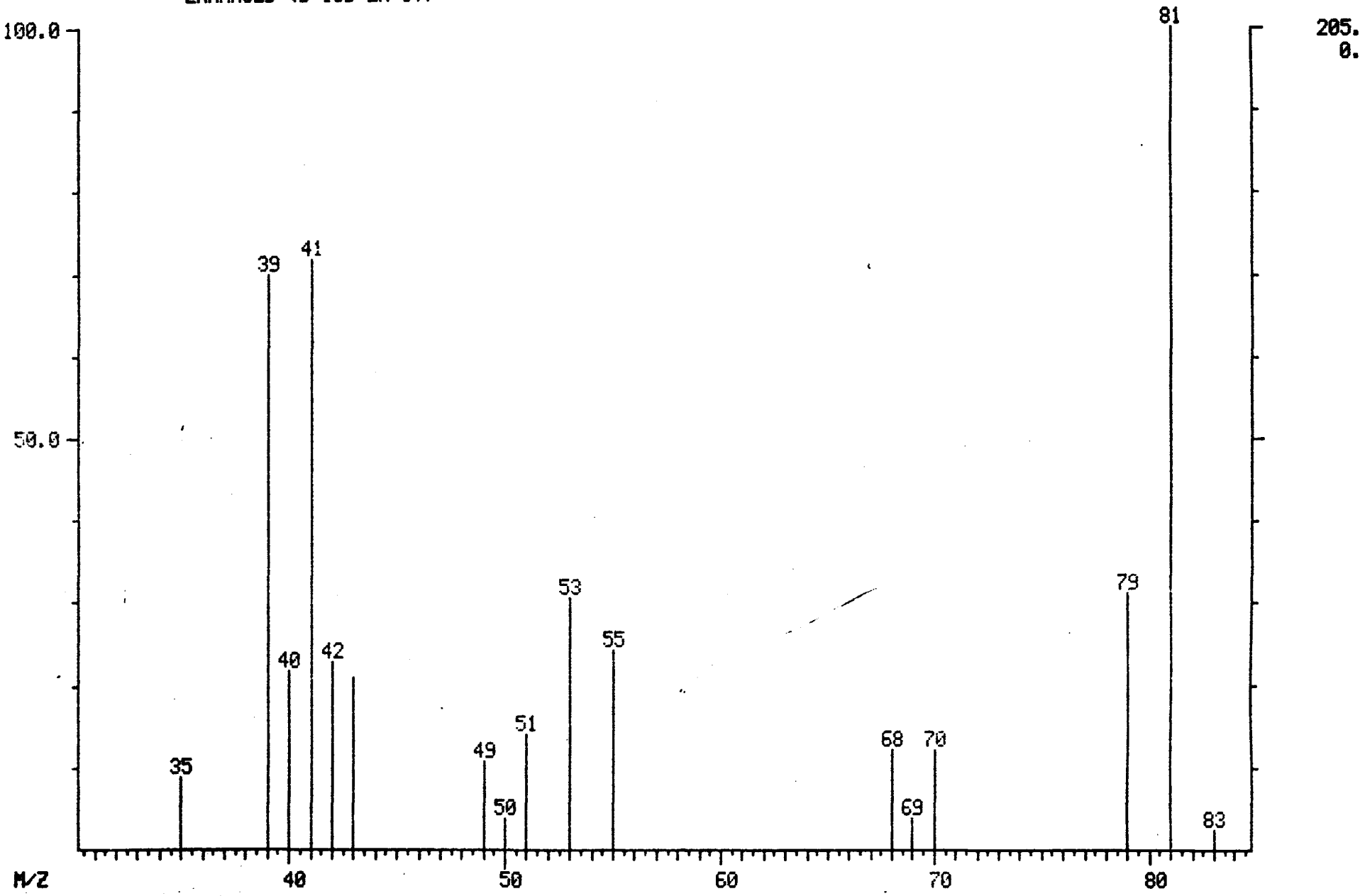


001511

MASS SPECTRUM
04/22/91 12:05:00 + 12:39
SAMPLE: 90903 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: APR22GK04 #1276
CALI: APR22GK04 #3

BASE M/Z: 81
RIC: 947.

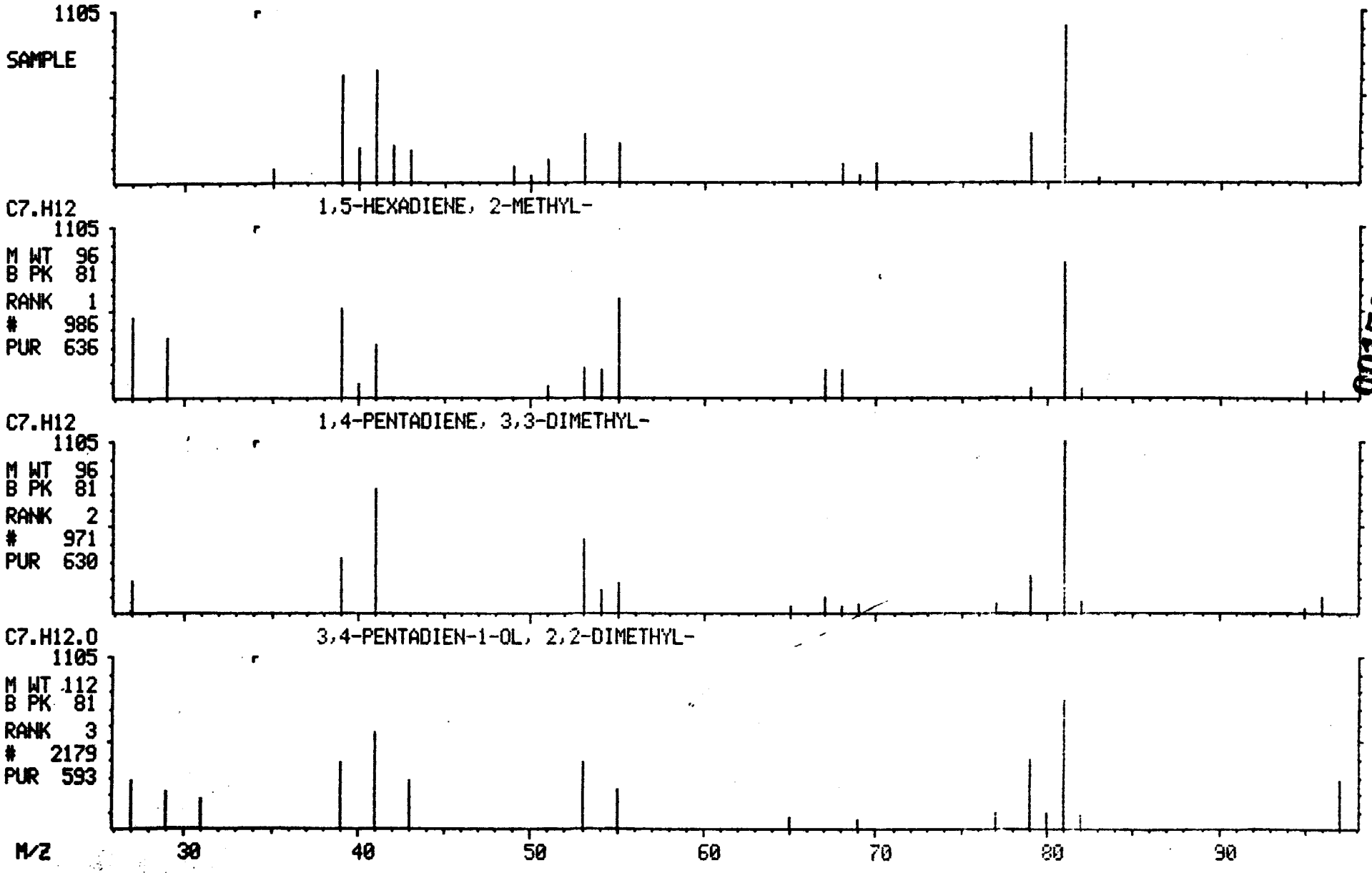


001512

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 12:39
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #1276
CALI: APR22GK04 # 3

BASE M/Z: 81
RIC: 947.

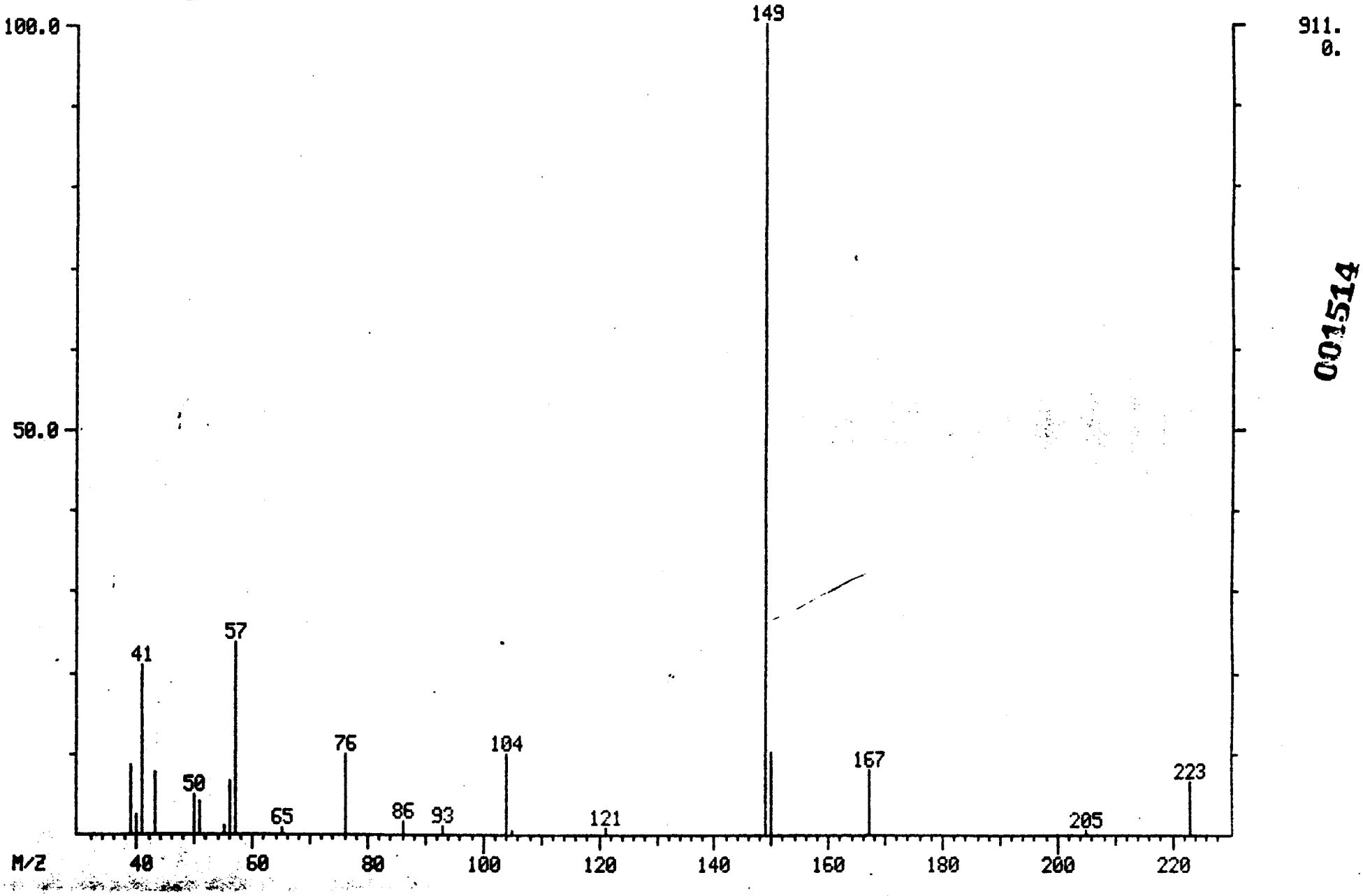


001513

MASS SPECTRUM
04/22/91 12:05:00 + 24:01
SAMPLE: 90903 GPC CLP 1UL-1.0NL
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 241 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2423
CALI: APR22GK04 #3

BASE M/Z: 149
RIC: 2104.

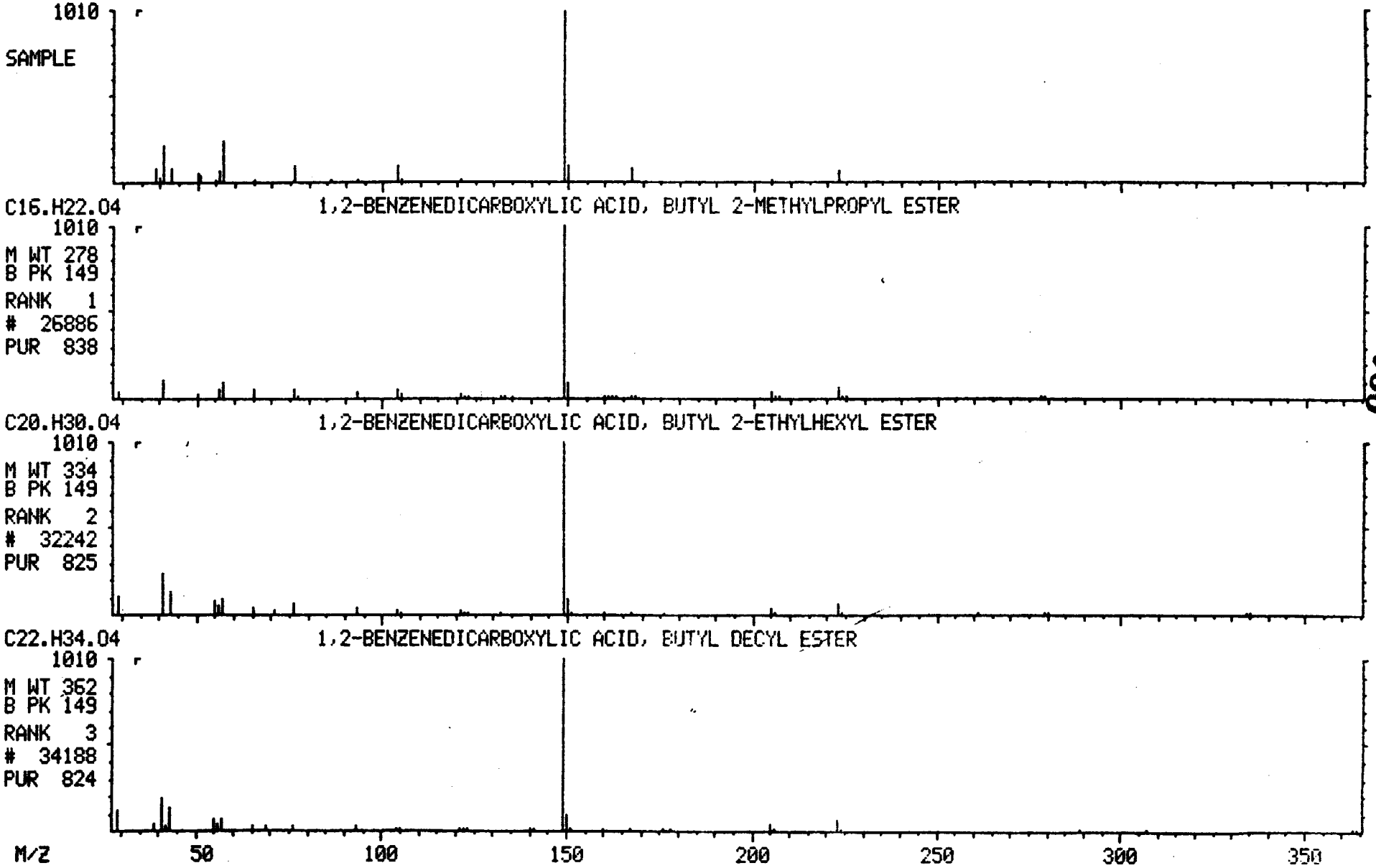


001514

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 24:01
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2423
CALI: APR22GK04 # 3

BASE M/Z: 149
RIC: 2104.

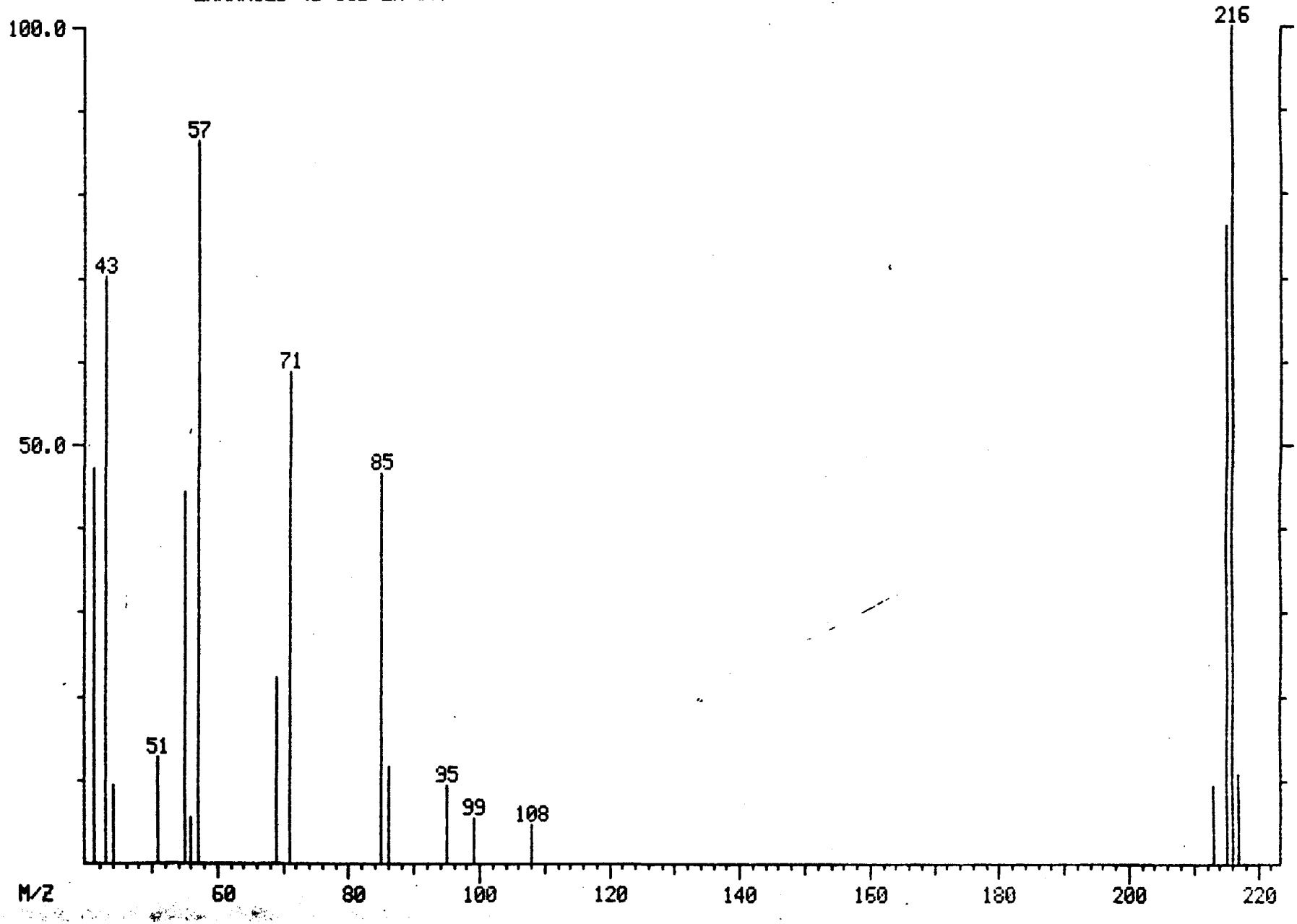


001515

MASS SPECTRUM
04/22/91 12:05:00 + 28:10
SAMPLE: 90903 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: APR22GK04 #2842
CALI: APR22GK04 #3

BASE M/Z: 216
RIC: 935.

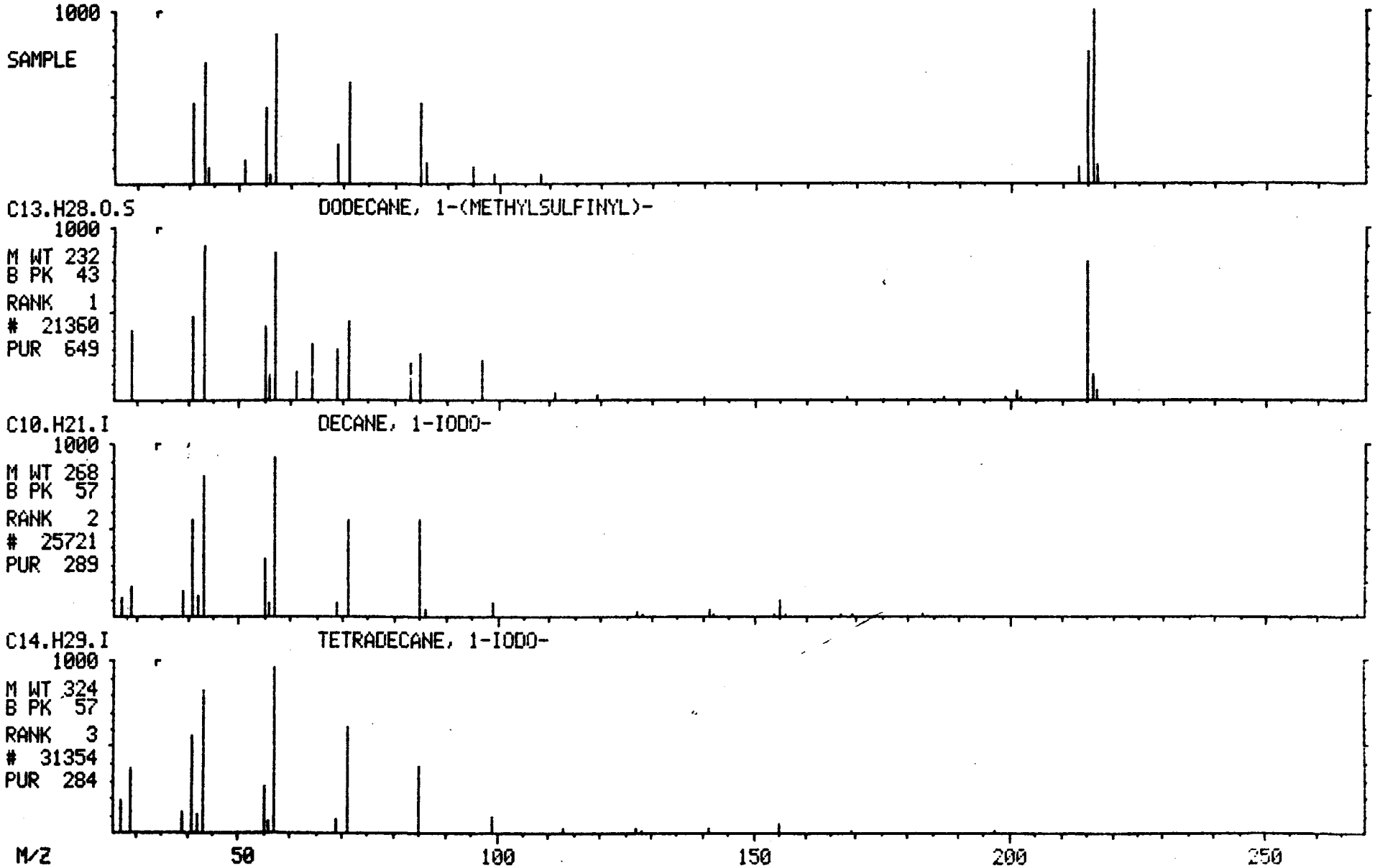


00451S

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 28:10
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #2842
CALI: APR22GK04 # 3

BASE M/Z: 216
RIC: 935.

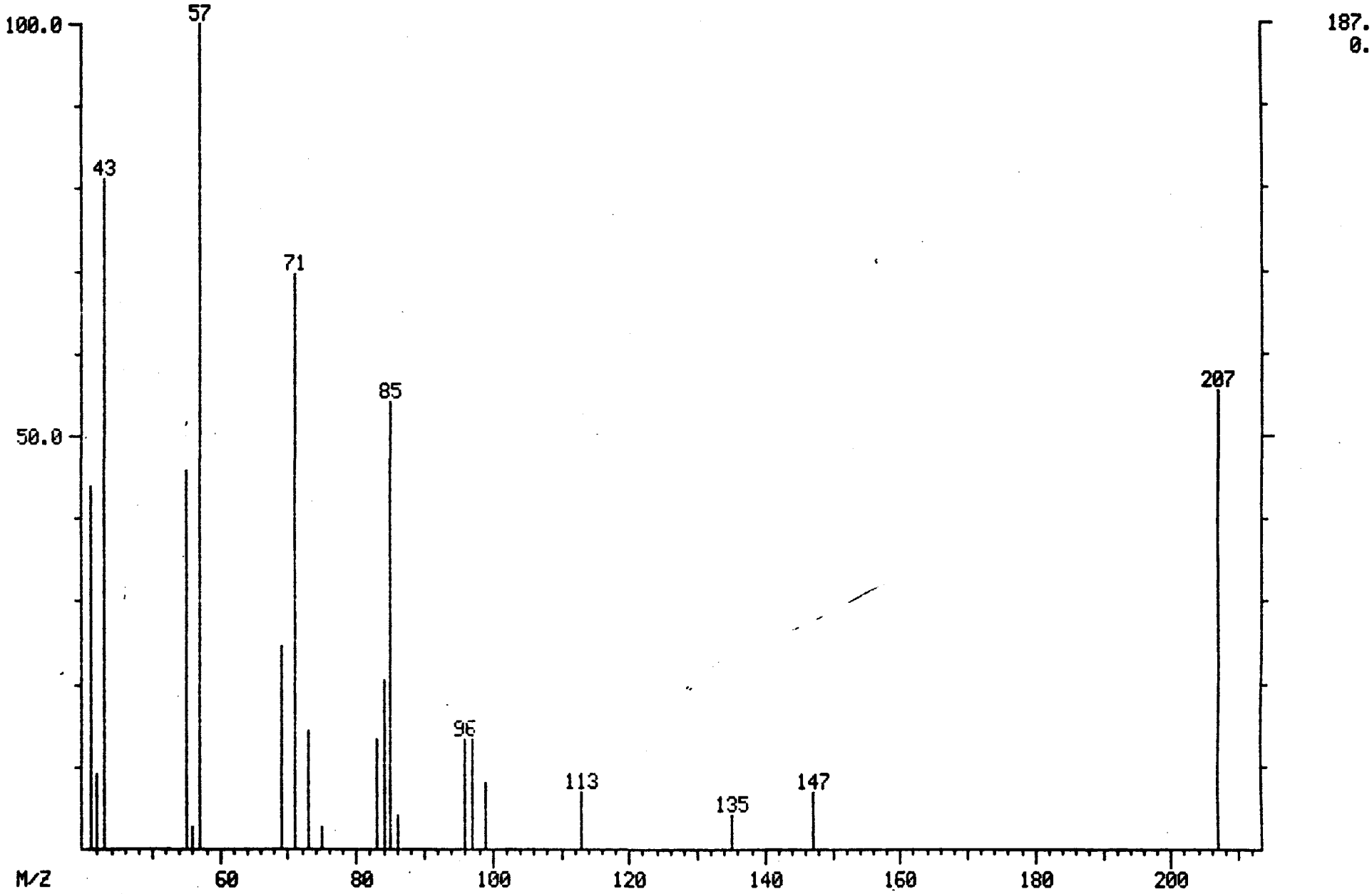


001517

MASS SPECTRUM
04/22/91 12:05:00 + 30:28
SAMPLE: 90903 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: APR22GK04 #3074
CALI: APR22GK04 #3

BASE M/Z: 57
RIC: 1112.

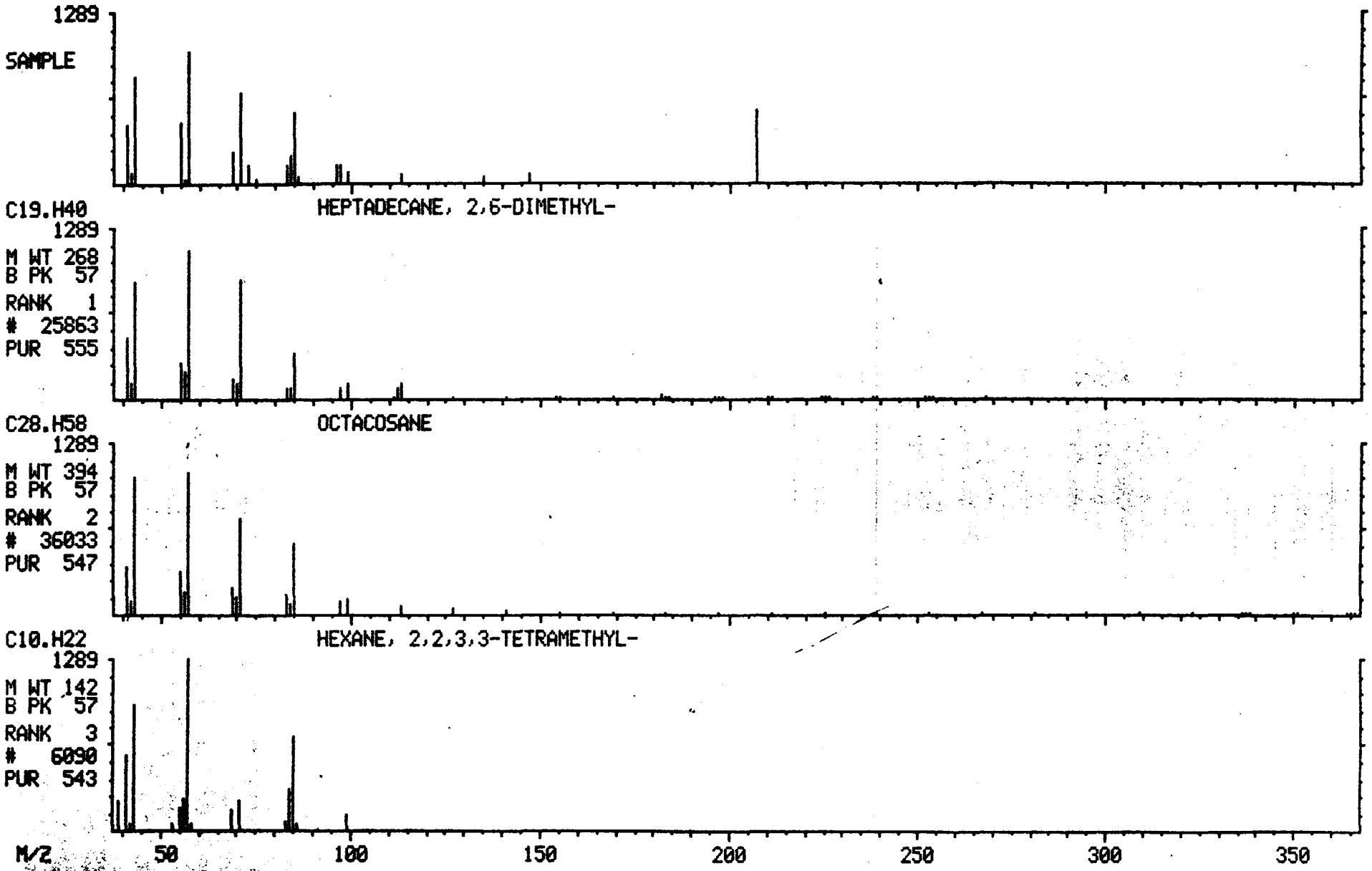


001518

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 30:28
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #3074
CALI: APR22GK04 # 3

BASE M/Z: 57
RIC: 1112.

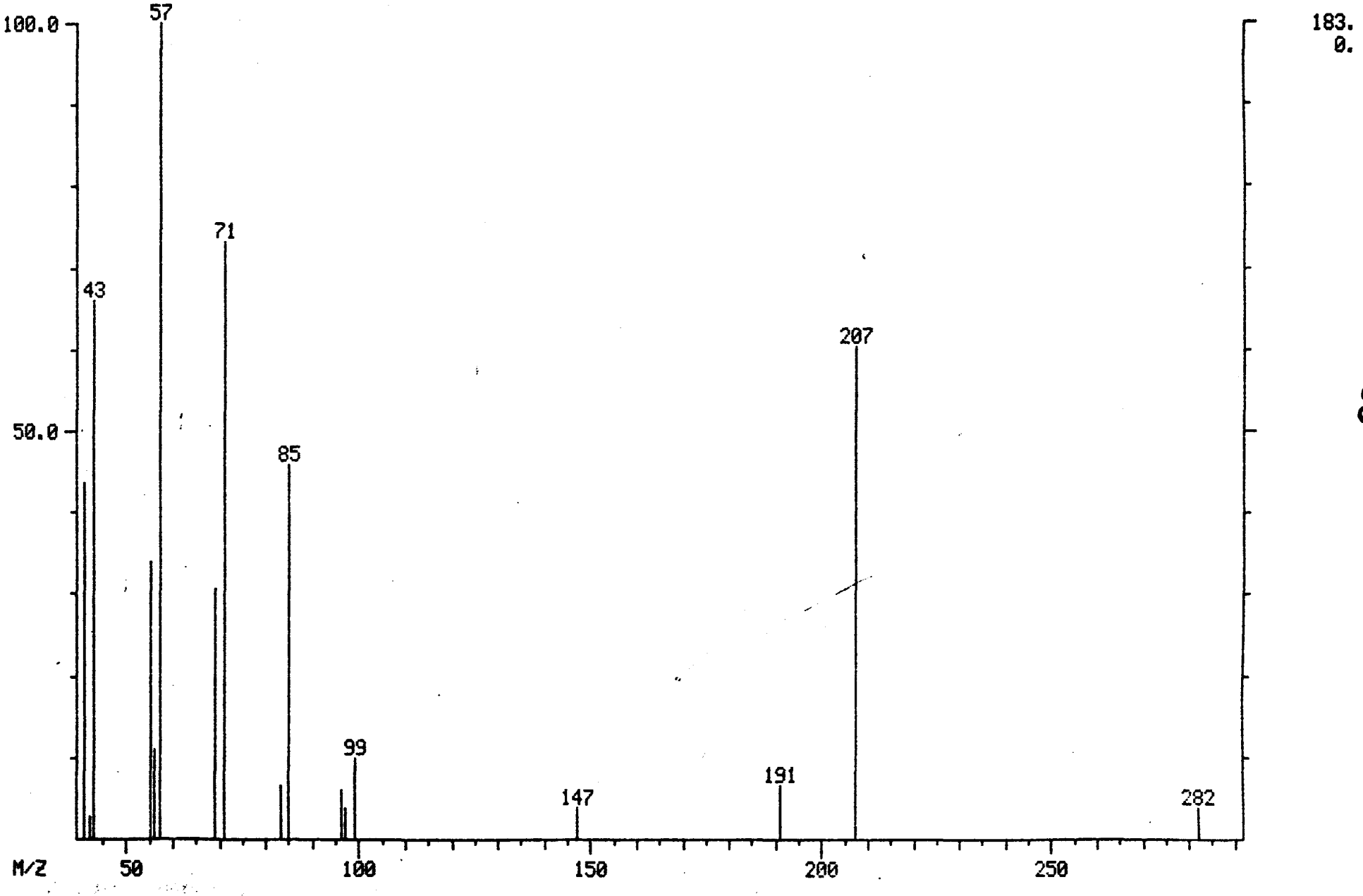


001510

MASS SPECTRUM
04/22/91 12:05:00 + 33:44
SAMPLE: 90903 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: APR22GK04 #3404
CALI: APR22GK04 #3

BASE M/Z: 57
RIC: 929.

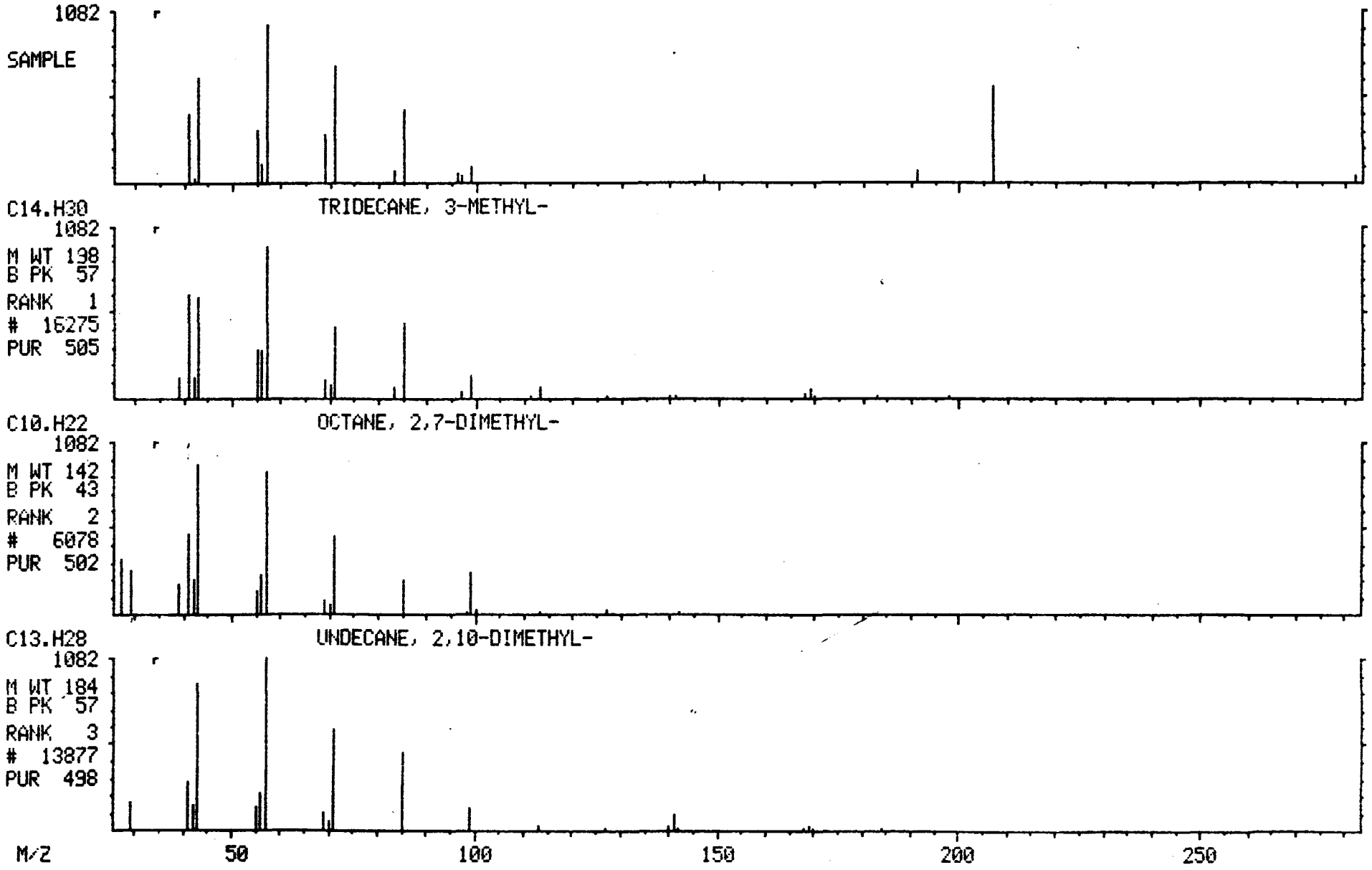


001520

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 33:44
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #3404
CALI: APR22GK04 # 3

BASE M/Z: 57
RIC: 929.

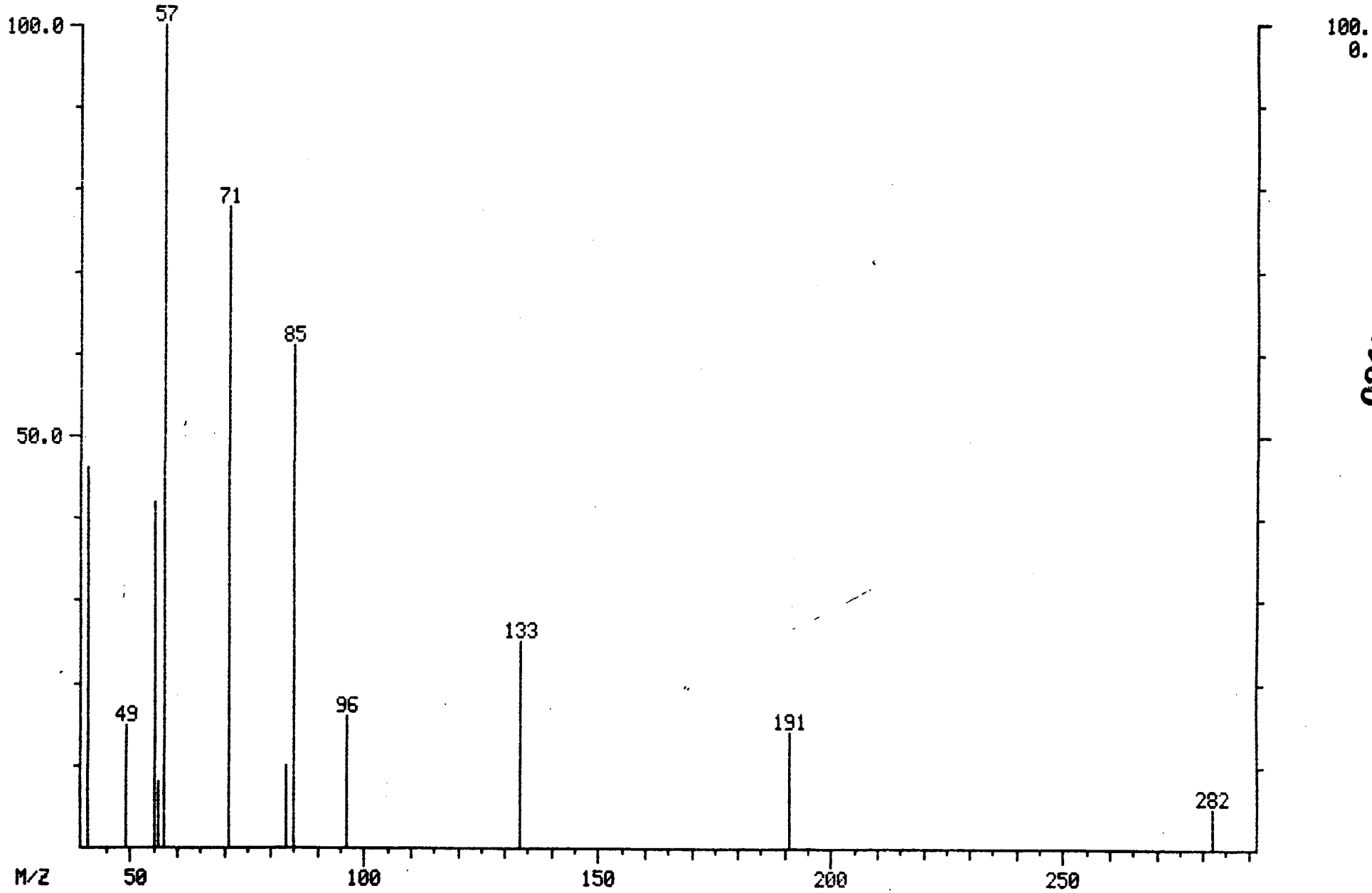


001521

MASS SPECTRUM
04/22/91 12:05:00 + 38:42
SAMPLE: 90903 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: APR22GK04 #3904
CALI: APR22GK04 #3

BASE M/Z: 57
RIC: 420.

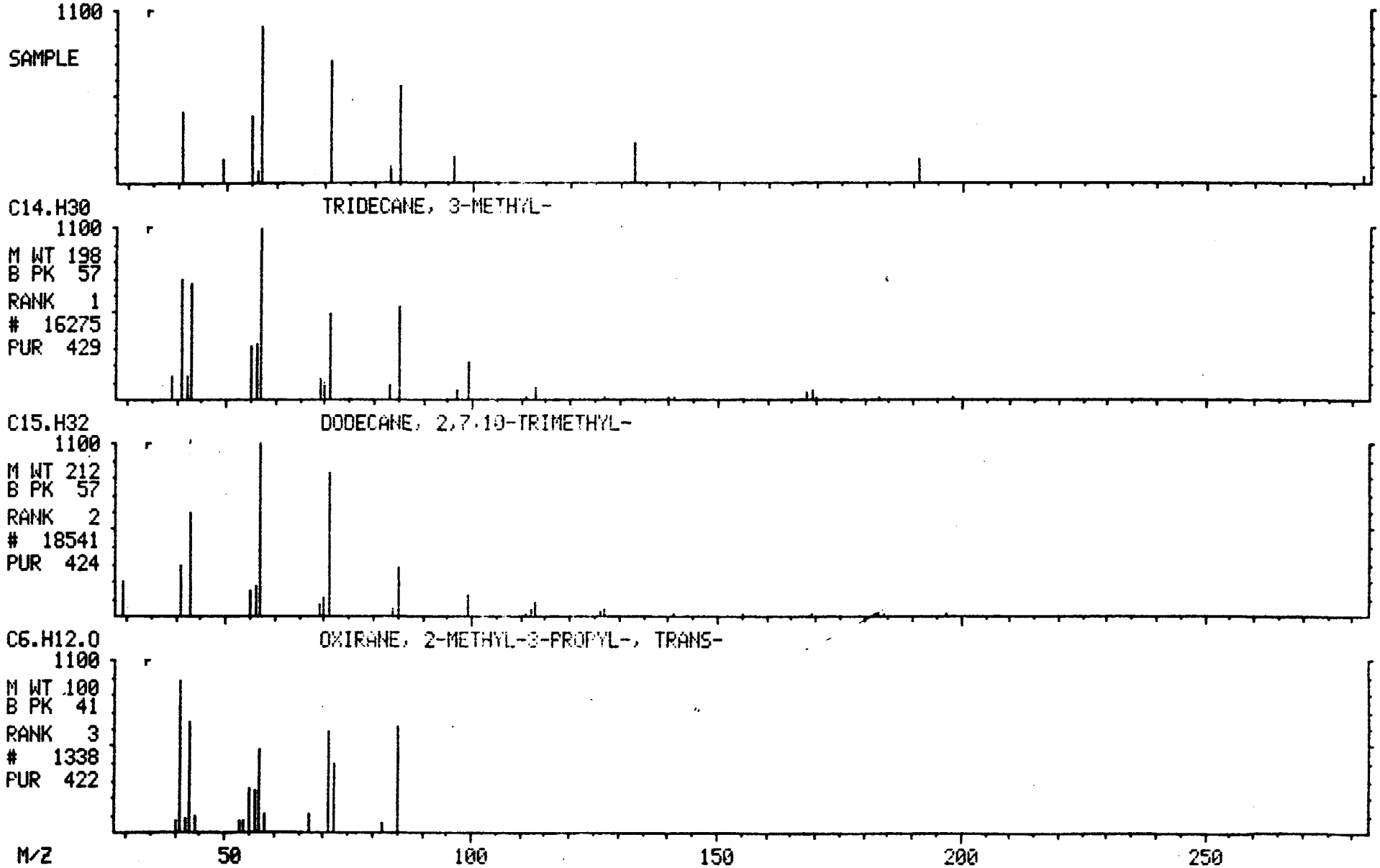


625100

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 12:05:00 + 38:42
SAMPLE: 90903 GPC CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22GK04 #3904
CALI: APR22GK04 # 3

BASE M/Z: 57
RIC: 420.



00452

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 30.4 (g/mL) G Lab File ID: APR22VG04

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

% Moisture: not dec. 36 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	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	5000	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	5000	U
91-58-7	2-Chloronaphthalene	1000	U
88-74-4	2-Nitroaniline	5000	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.

X106

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190904

ample wt/vol: 30.4 (g/mL) G Lab File ID: APR22VG04

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

Moisture: not dec. 36 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	5000	U
83-32-9	Acenaphthene	1000	U
51-28-5	2,4-Dinitrophenol	5000	U
100-02-7	4-Nitrophenol	5000	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	5000	U
534-52-1	4,6-Dinitro-2-Methylphenol	5000	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	5000	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	1000	U
84-74-2	Di-n-Butylphthalate	1000	U
206-44-0	Fluoranthene	510	J
129-00-0	Pyrene	480	J
85-68-7	Butylbenzylphthalate	1000	U
91-94-1	3,3'-Dichlorobenzidine	2100	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	480	J
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

001505

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

.ab Name: ILLINOIS EPA Contract: _____

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

latrix: (soil/water) SOIL Lab Sample ID: D190904

Sample wt/vol: 30.4 (g/mL) G Lab File ID: APR22VG04

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

% Moisture: not dec. 36 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: 15

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

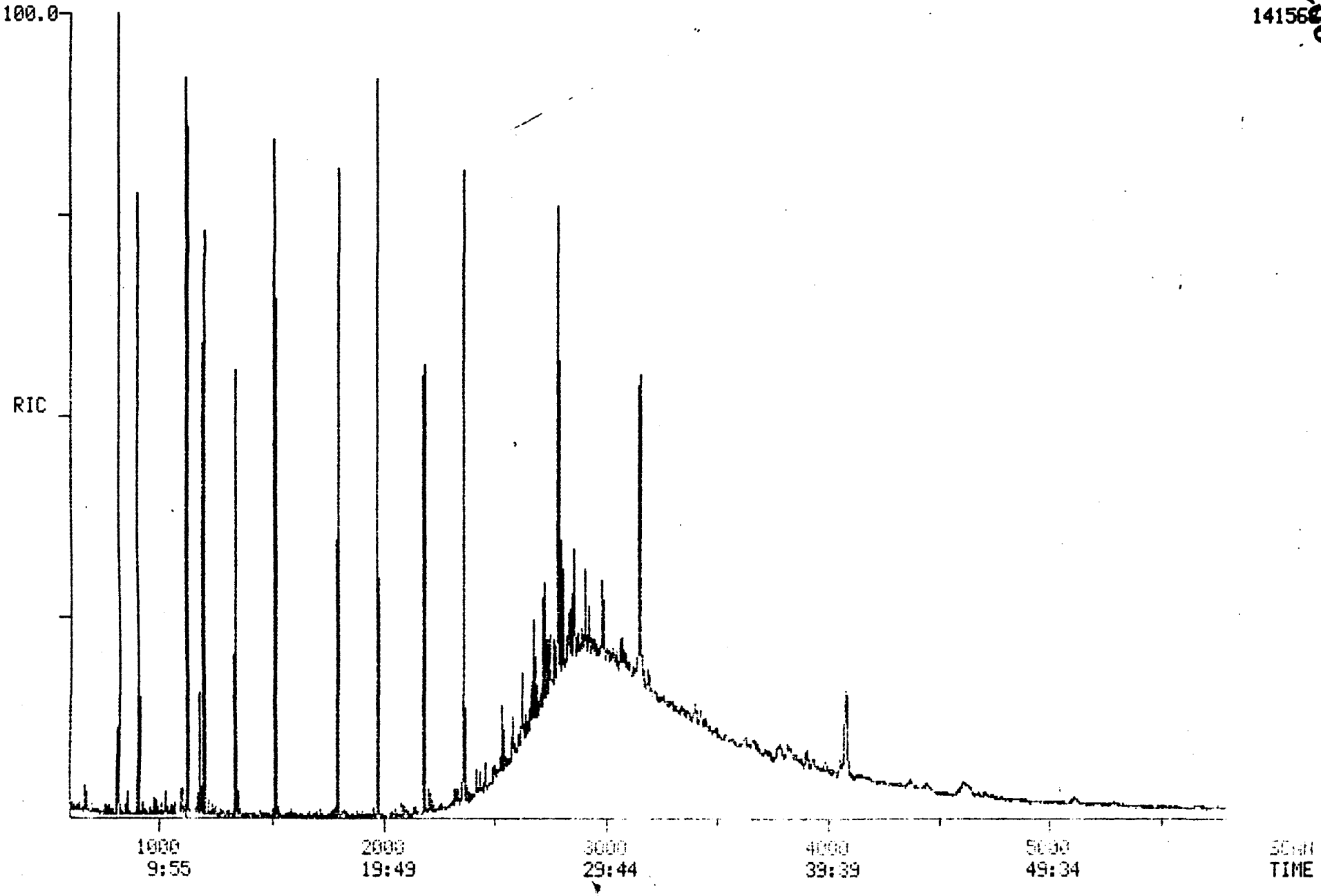
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.12	2400	BAJ
2.	UNKNOWN	11.65	300	BJ
3.	UNKNOWN	25.14	230	J
4.	UNKNOWN	25.24	120	J
5.	UNKNOWN	25.61	130	J
6.	UNKNOWN	26.06	250	J
7.	UNKNOWN	26.44	140	J
8.	UNKNOWN	26.54	310	J
9.	UNKNOWN	26.99	410	J
10.	UNKNOWN	27.79	710	J
11.	UNKNOWN	28.04	130	J
12.	UNKNOWN	28.34	560	J
13.	UNKNOWN	28.82	270	J
14.	UNKNOWN	29.59	340	J
15.	UNKNOWN ALIP. HYDROCARBON			J

X106

RIC
04/22/91 20:59:00
SAMPLE: 90904 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: APR22VG04 #1 SCANS 600 TO 5800
CALI: APR22VG04 #3

141566



```
4/22/91     20:59:27
    Acquisition started


4/22/91     20:59:31
Acquire                          Run 0:APR22VG04          Starting
04/22/91 20:59:00 +  0:00        Free sectors:  5953      Scan: 0 of 5800
Sample: 90904 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

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

4/22/91 21:58:10
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	20.8	3449.4	0.6	382785. 66.	111.

Quantitation Report File: APR22VG04

Data: APR22VG04.TI
04/22/91 20:59:00
Sample: 90904 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

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	72056.	40.000 UG/L	4.92
2	94	1123	11:08	1	0.940	A BB	524.	0.327 UG/L	0.04
3	NOT FOUND								
4	NOT FOUND								
5	146	1186	11:45	1	0.992	A BB	50.	0.037 UG/L	0.00
6	146	1199	11:53	1	1.003	A BB	1580.	1.088 UG/L	0.13
7	146	1245	12:20	1	1.042	A BB	532.	0.394 UG/L	0.05
8	NOT FOUND								
9	NOT FOUND								
10	45	1271	12:36	1	1.064	A BB	34.	0.018 UG/L	0.00
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	903	8:57	1	0.756	A BV	88154.	86.760 %	10.68
15	99	1120	11:06	1	0.937	A BB	114028.	101.108 %	12.45
16	136	1515	15:01	16	1.000	A BB	180423.	40.000 UG/L	4.92
17	77	1337	13:15	16	0.883	A BB	424.	0.259 UG/L	0.03
18	82	1401	13:53	16	0.925	A BB	168.	0.057 UG/L	0.01
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	162	1485	14:43	16	0.980	A BB	178.	0.157 UG/L	0.02
24	180	1505	14:55	16	0.993	A BB	656.	0.585 UG/L	0.07
25	128	1520	15:04	16	1.003	A BB	2052.	0.498 UG/L	0.06
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	142	1698	16:50	16	1.121	A BB	838.	0.308 UG/L	0.04
30	82	1337	13:15	16	0.883	A BV	76652.	88.158 %	10.85
31	162	1976	19:35	31	1.000	A BB	90606.	40.000 UG/L	4.92
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	152	1936	19:11	31	0.980	A BB	116.	0.029 UG/L	0.00
39	NOT FOUND								
40	153	1984	19:40	31	1.004	A BB	248.	0.108 UG/L	0.01
41	NOT FOUND								
42	NOT FOUND								
43	168	2025	20:04	31	1.025	A BB	642.	0.179 UG/L	0.02
44	NOT FOUND								
45	NOT FOUND								
46	149	2095	20:46	31	1.060	A BB	190.	0.065 UG/L	0.01
47	NOT FOUND								
48	166	2116	20:58	31	1.071	A BB	470.	0.175 UG/L	0.02
49	NOT FOUND								
50	172	1798	17:49	31	0.910	A BB	119207.	105.667 %	13.01

Quantitation Report File: APR22VG04

Data: APR22VG04.TI
04/22/91 20:59:00
Sample: 90904 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	2184	21:39	31	1.105	A BB	20944.	87.573 %	10.78
52	188	2363	23:25	52	1.000	A BV	147258.	40.000 UG/L	4.92
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	266	2329	23:05	52	0.986	A BB	378.	0.949 UG/L	0.12
57	178	2369	23:29	52	1.003	A BB	7766.	2.133 UG/L	0.26
58	178	2381	23:36	52	1.008	A BB	1194.	0.323 UG/L	0.04
59	149	2523	25:00	52	1.068	A BB	999.	0.222 UG/L	0.03
60	202	2687	26:38	52	1.137	A BB	16856.	4.880 UG/L	0.60
61	NOT FOUND								
62	202	2747	27:14	52	1.163	A BB	15741.	4.628 UG/L	0.57
63	NOT FOUND								
64	240	3151	31:14	64	1.000	A BB	104691.	40.000 UG/L	4.92
65	149	2935	29:06	64	0.931	A BB	1595.	0.763 UG/L	0.09

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3143	31:09	64	0.997	A BV	5918.	~~2.101 UG/L~~	0.26
68	149	3169	31:25	64	1.006	A BV	2537.	1.210 UG/L	0.15
69	228	3159	31:19	64	1.003	A VB	10868.	~~4.147 UG/L~~	0.51
70	244	2786	27:37	64	0.884	A BB	100611.	59.947 %	7.38
71	264	4081	40:27	71	1.000	A BB	55095.	40.000 UG/L	4.92
72	NOT	FOUND							
73	252	3773	37:24	71	0.925	A BV	7717.	4.628 UG/L	0.57
74	252	3785	37:31	71	0.927	A VB	4789.	~~2.811 UG/L~~	0.35
75	252	4029	39:56	71	0.987	A BB	3931.	~~2.932 UG/L~~	0.36
76	276	5297	52:30	71	1.298	A*BB	2217.	~~5.125 UG/L~~	0.63
77	278	5348	53:01	71	1.310	A*BB	334.	0.716 UG/L	0.09
78	276	5680	56:18	71	1.392	A VB	620.	1.318 UG/L	0.16

Quantitation Report File: APR22VG04A

Data: APR22VG04.TI
04/22/91 20:59:00
Sample: 90904 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) * 0.015
Resp. fac. from Library Entry

$\frac{544283}{478115} \times 40 \times 1/30.35 \times 1/100 = 0.015$

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
3	26914-33-0	1,1'-BIPHENYL, TETRACHLORO-
4	26914-33-0	1,1'-BIPHENYL, TETRACHLORO-
5	36559-22-5	1,1'-BIPHENYL, 2,2',3,4'-TETRACHLORO-
6	56009-20-2	CYCLOHEXANE, 1-(1,5-DIMETHYLHEXYL)-4-(4-METHYLPENTYL)-
7	52663-59-9	1,1'-BIPHENYL, 2,2',3,4-TETRACHLORO-
8	38380-02-8	1,1'-BIPHENYL, 2,2',3,4,5'-PENTACHLORO-
9	68194-06-9	1,1'-BIPHENYL, 2,2',4,5,6'-PENTACHLORO-
~~10~~	25429-29-2	1,1'-BIPHENYL, PENTACHLORO-
~~11~~	38380-02-8	1,1'-BIPHENYL, 2,2',3,4,5'-PENTACHLORO-
12	25429-29-2	1,1'-BIPHENYL, PENTACHLORO-
13	35065-27-1	1,1'-BIPHENYL, 2,2',4,4',5,5'-HEXACHLORO-
~~14~~	52712-04-6	1,1'-BIPHENYL, 2,2',3,4,5,5'-HEXACHLORO-
15	25429-29-2	1,1'-BIPHENYL, PENTACHLORO-
16	35065-27-1	1,1'-BIPHENYL, 2,2',4,4',5,5'-HEXACHLORO-
~~17~~	35065-28-2	1,1'-BIPHENYL, 2,2',3,4,4',5'-HEXACHLORO-
18	35065-27-1	1,1'-BIPHENYL, 2,2',4,4',5,5'-HEXACHLORO-
~~19~~	55215-18-4	1,1'-BIPHENYL, 2,2',3,3',4,5-HEXACHLORO-
20	7225-68-3	TRIDECANE, 7-HEXYL-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	819	8:07	1	1.000	A BB	544283. ~~Alp~~ OL	1.500BA	32.95
2	RIC	1175	11:39	1	1.435	A BV	69764. UNK	0.192B	4.22
3	RIC	2535	25:08	1	3.095	A BB	52144. UNK	0.144	3.16
4	RIC	2545	25:14	1	3.107	A BB	27664. UNK	0.076	1.67
5	RIC	2583	25:36	1	3.154	A BV	28896. UNK	0.080	1.75
6	RIC	2628	26:03	1	3.209	A BB	57804. UNK	0.159	3.50
7	RIC	2666	26:26	1	3.255	A BB	32880. UNK	0.091	1.99
8	RIC	2677	26:32	1	3.269	A BB	71339. UNK	0.197	4.32
9	RIC	2722	26:59	1	3.324	A BB	94276. UNK	0.260	5.71
~~10~~	RIC	~~2735~~	27:07	1	3.339	A BB	~~36284.~~	~~0.100~~	2.20
~~11~~	RIC	~~2771~~	27:28	1	3.383	A BB	~~28072.~~	~~0.077~~	1.70
12	RIC	2803	27:47	1	3.422	A BB	161736. UNK	0.446	9.79
13	RIC	2829	28:02	1	3.454	A BV	29476. UNK	0.081	1.78
~~14~~	RIC	~~2820~~	28:08	1	3.465	A VB	~~41801.~~	~~0.114~~	2.50
15	RIC	2858	28:20	1	3.490	A BB	127408. UNK	0.351	7.71
16	RIC	2908	28:49	1	3.551	A BB	61776. UNK	0.170	3.74
~~17~~	RIC	~~2924~~	28:59	1	3.570	A BB	~~47148.~~	~~0.130~~	2.85
18	RIC	2984	29:35	1	3.643	A BB	78488. UNK	0.216	4.75
~~19~~	RIC	~~3069~~	30:25	1	3.747	A BB	~~33613.~~	~~0.093~~	2.03
20	RIC	3404	33:44	1	4.156	A BB	27563. HC	0.076	1.67

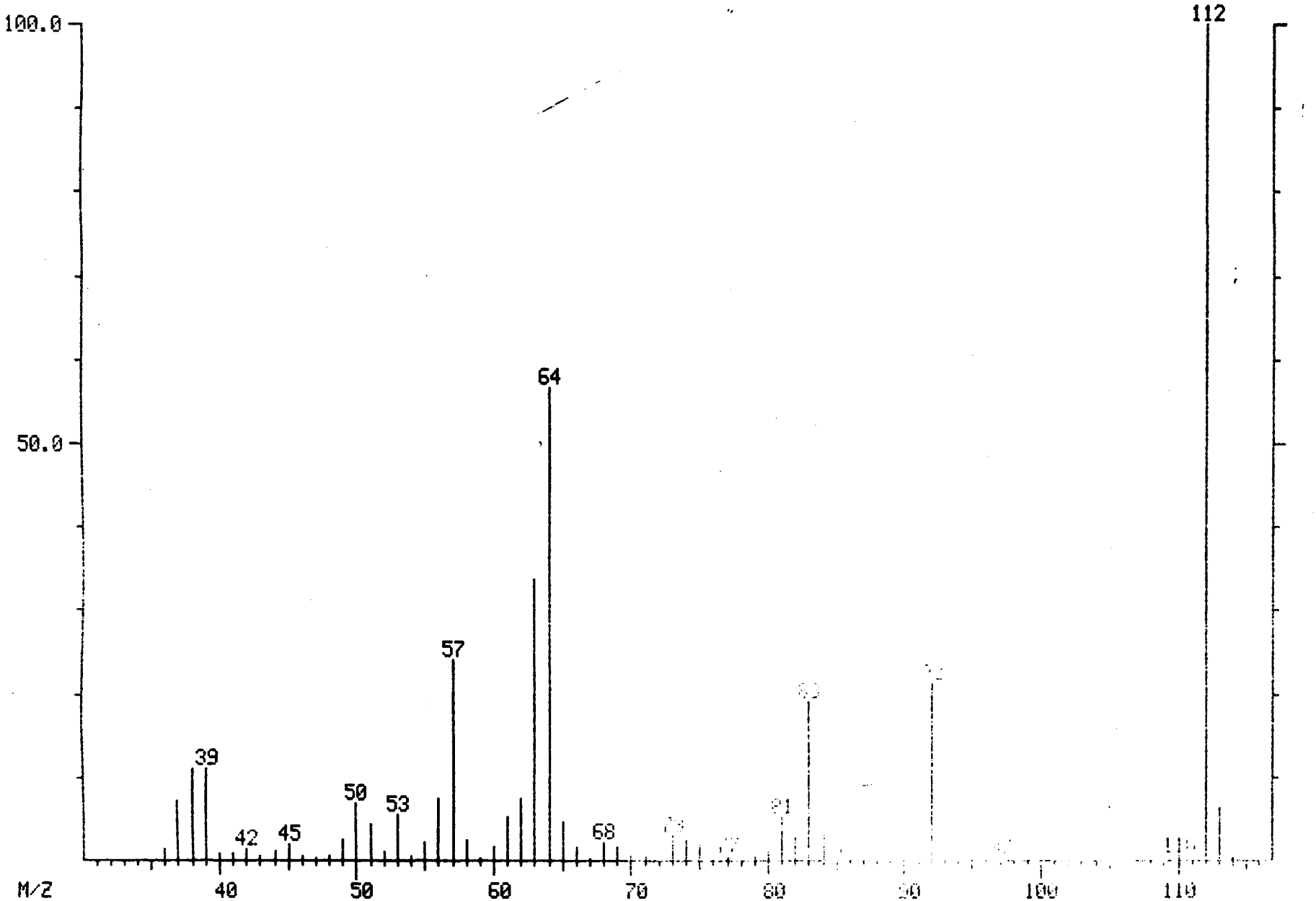
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 20:59:00 + 8:57
SAMPLE: 90904 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: APR22VG04 #903
CALI: APR22VG04 #3

BASE M/Z: 112
RIC: 101376.

0001536

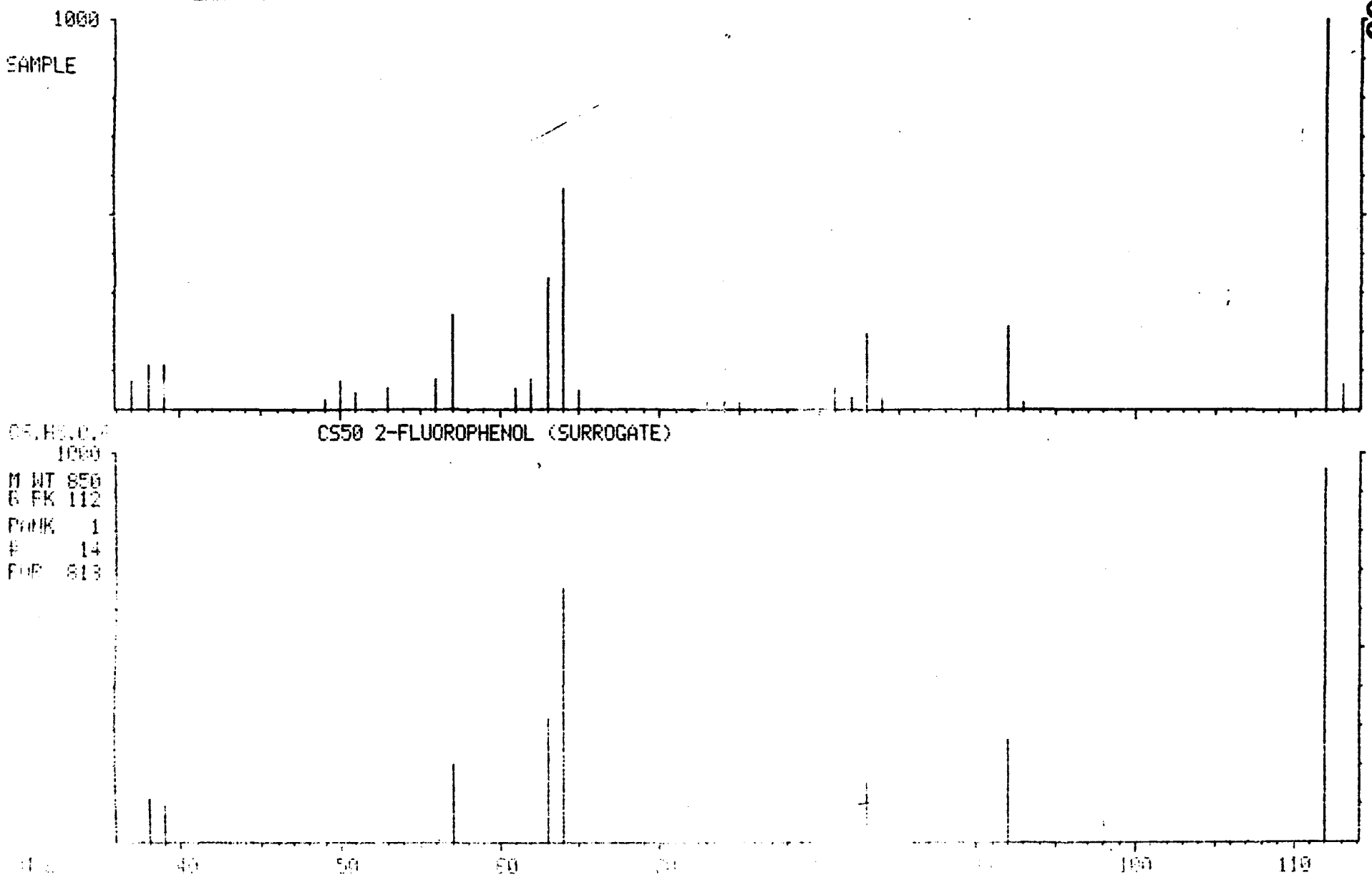


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 8:57
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 # 903
CALI: APR22VG04 # 3

BASE M/Z: 112
RIC: 93312.

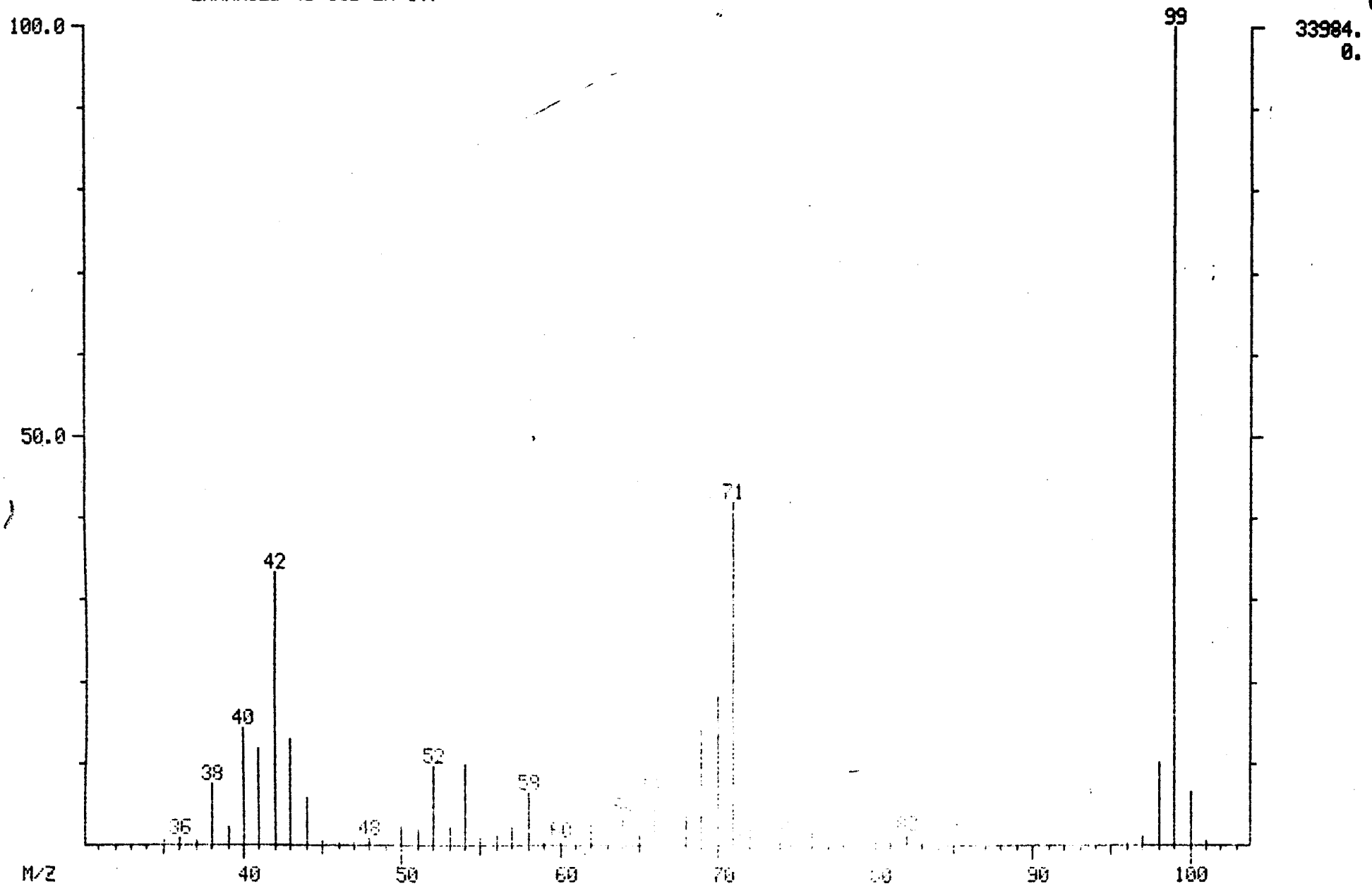
001552



MASS SPECTRUM
04/22/91 20:59:00 + 11:06
SAMPLE: 90904 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: APR22VG04 #1120
CALI: APR22VG04 #3

BASE M/Z: 99
RIC: 119808.



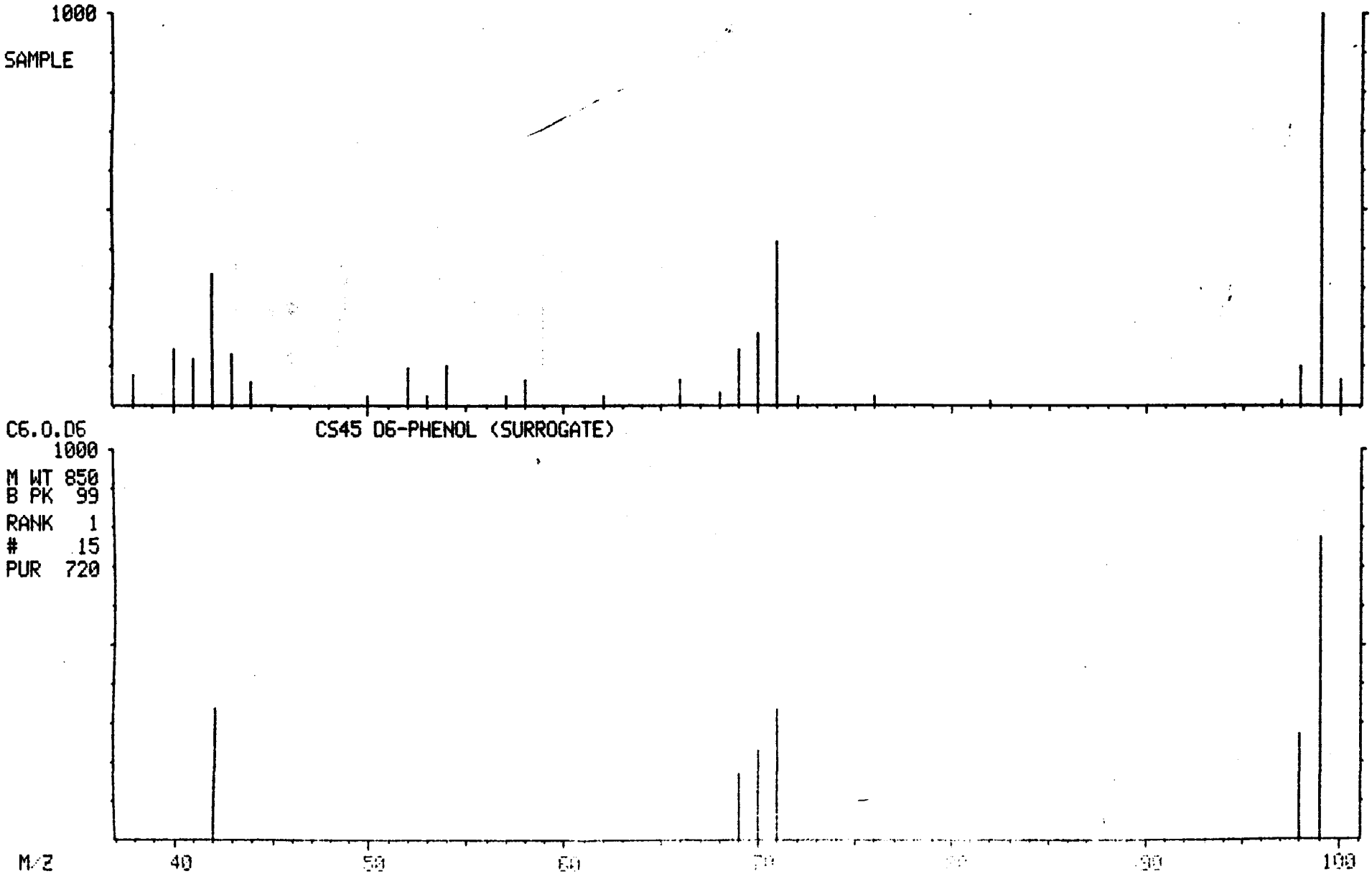
001588

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 11:06
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1120
CALI: APR22VG04 # 3

BASE M/Z: 99
RIC: 112128.

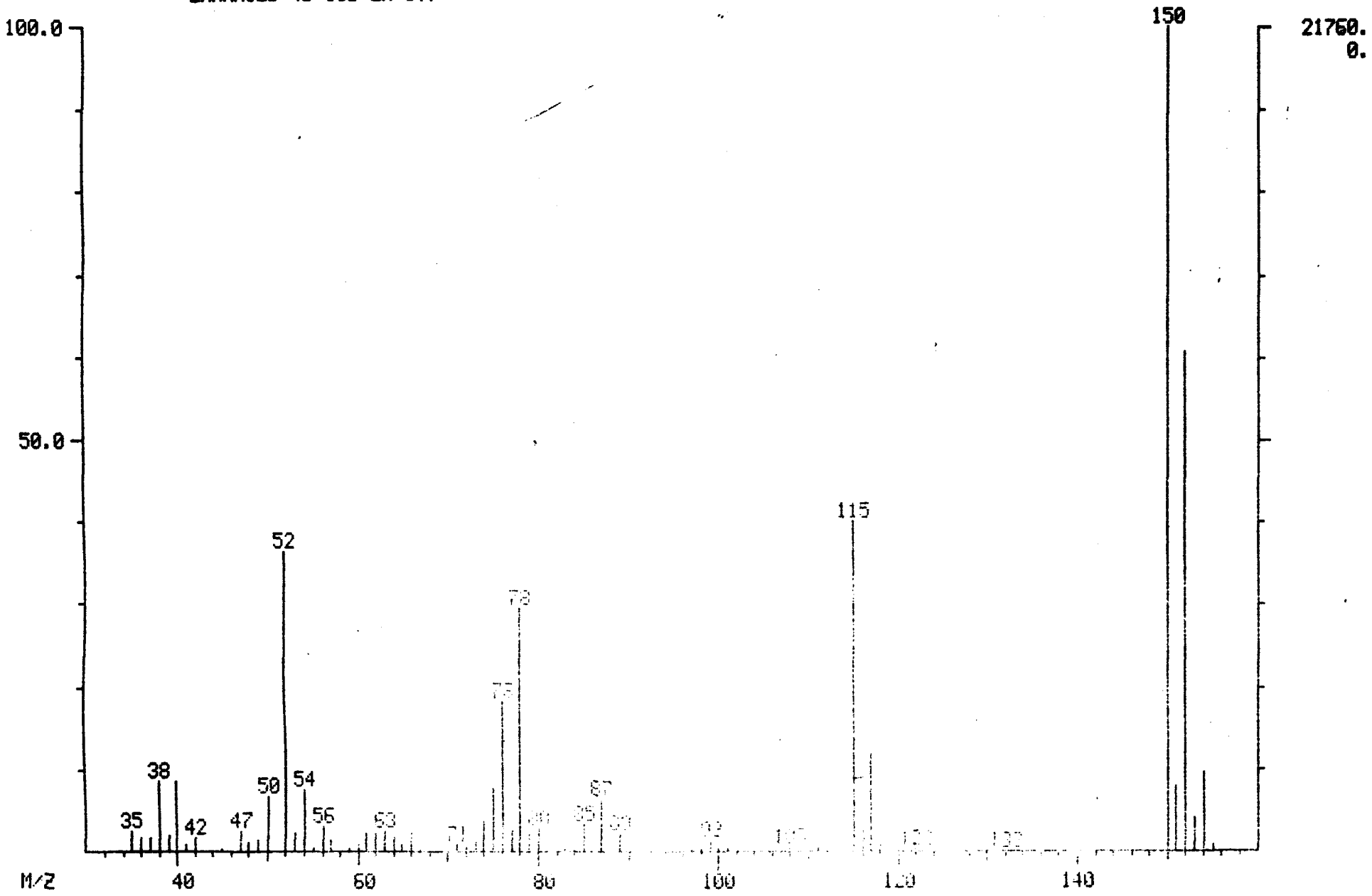
001539



MASS SPECTRUM
04/22/91 20:59:00 + 11:51
SAMPLE: 90904 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: APR22VG04 #1195
CALI: APR22VG04 #3

BASE M/Z: 150
RIC: 94464.

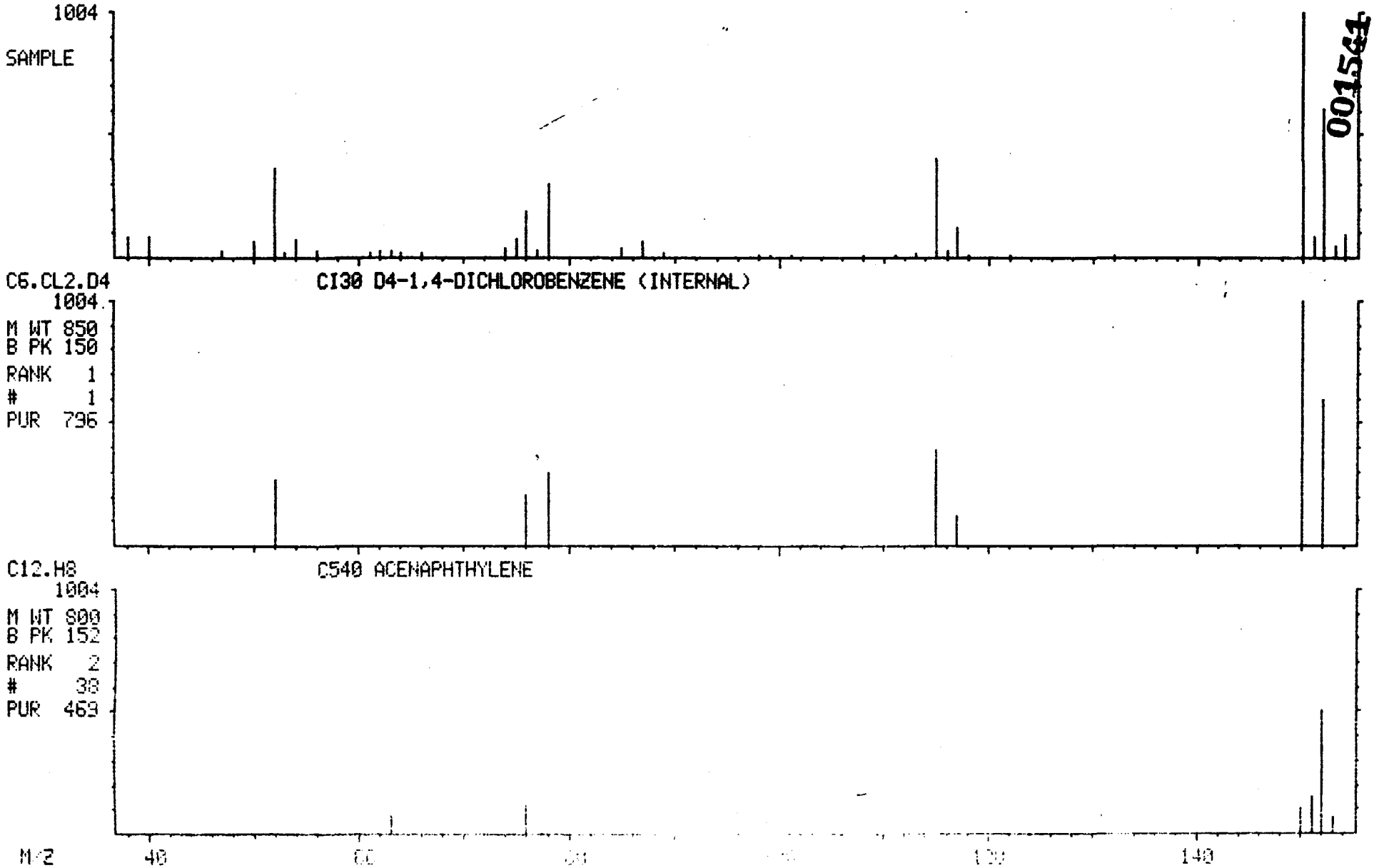


001540

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 11:51
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1195
CALI: APR22VG04 # 3

BASE M/Z: 150
RIC: 88448.

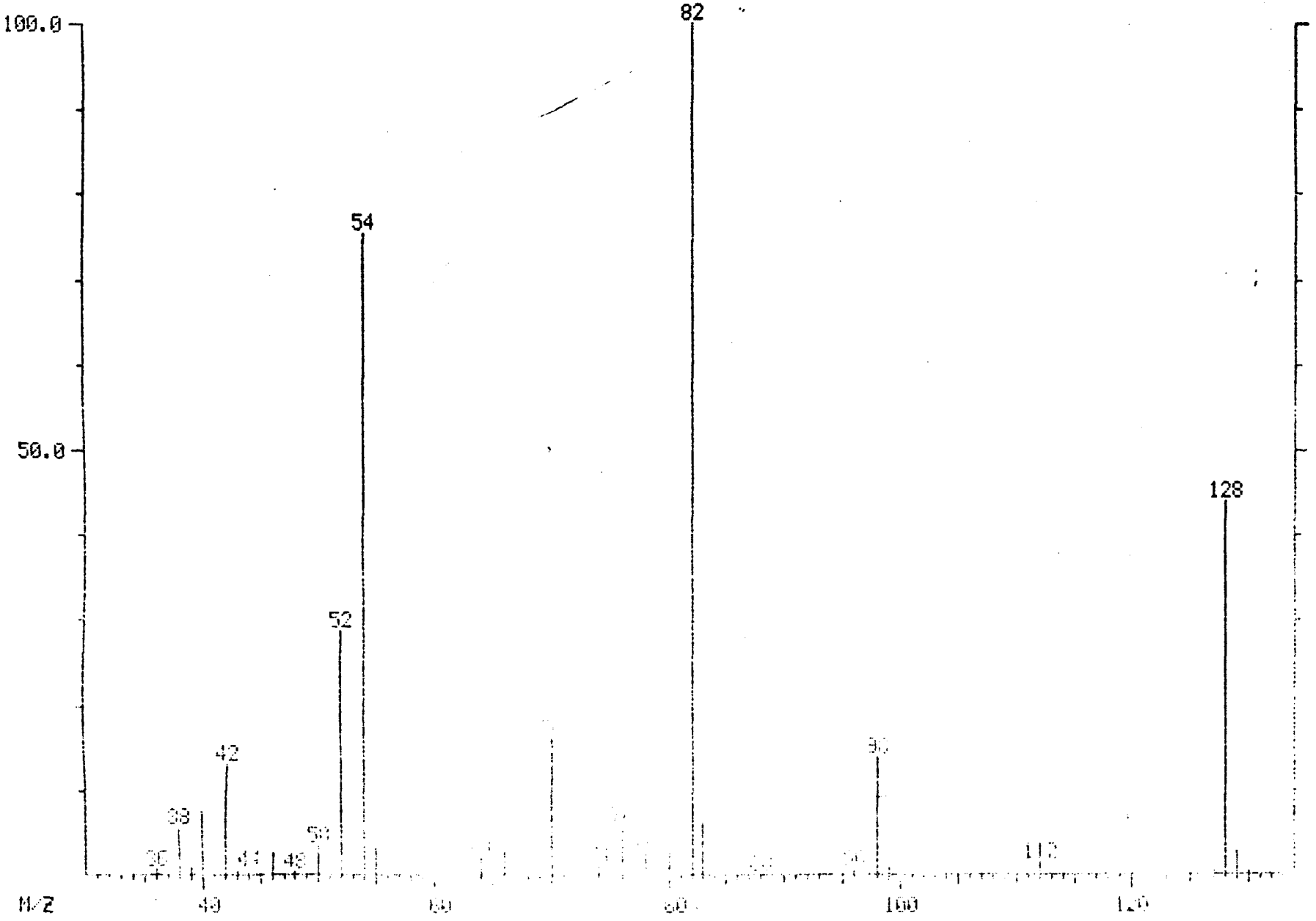


001564

MASS SPECTRUM
04/22/91 20:59:00 + 13:15
SAMPLE: 90904 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: APR22VG04 #1337
CALI: APR22VG04 #3

BASE M/Z: 82
RIC: 73344.

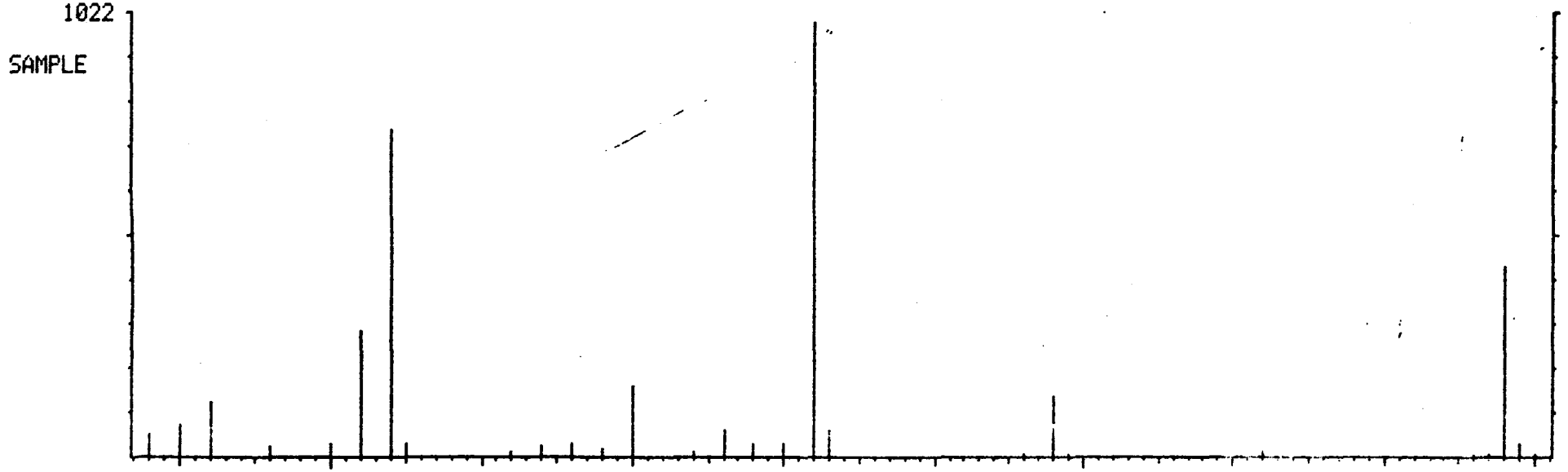


001542

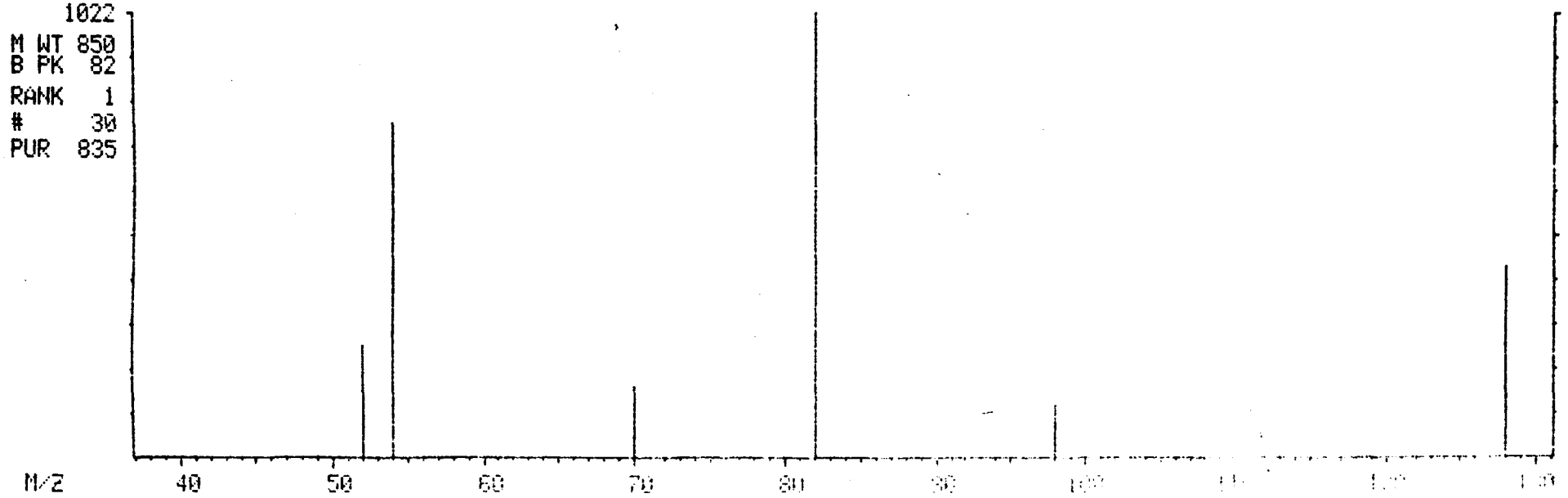
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 13:15
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1337
CALI: APR22VG04 # 3

BASE M/Z: 82
RIC: 71936.



C6.02.N.D5 CS20 D5-NITROBENZENE (SURROGATE)

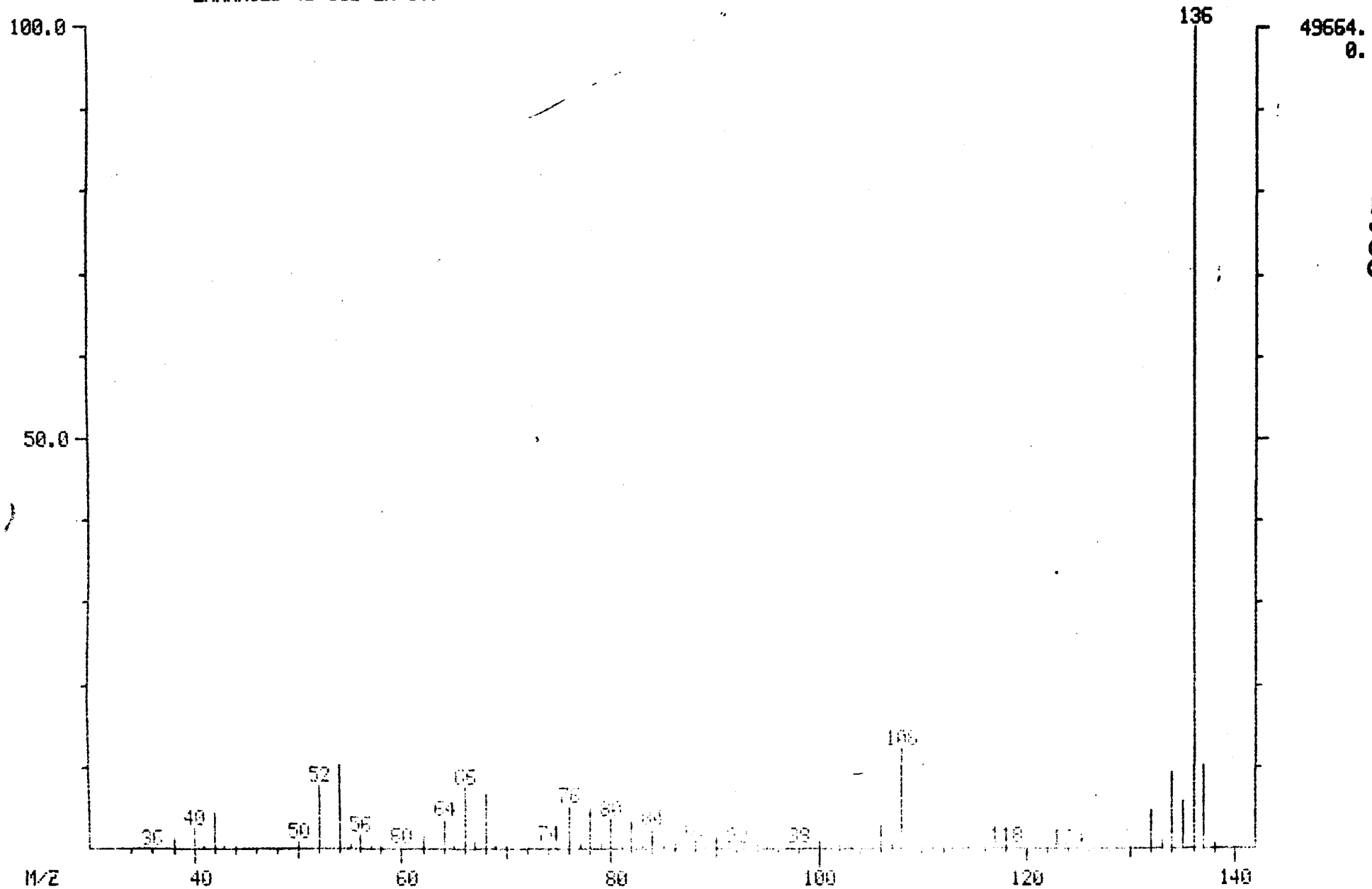


001543

MASS SPECTRUM
04/22/91 20:59:00 + 15:01
SAMPLE: 90904 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: APR22VG04 #1515
CALI: APR22VG04 #3

BASE M/Z: 136
RIC: 114688.

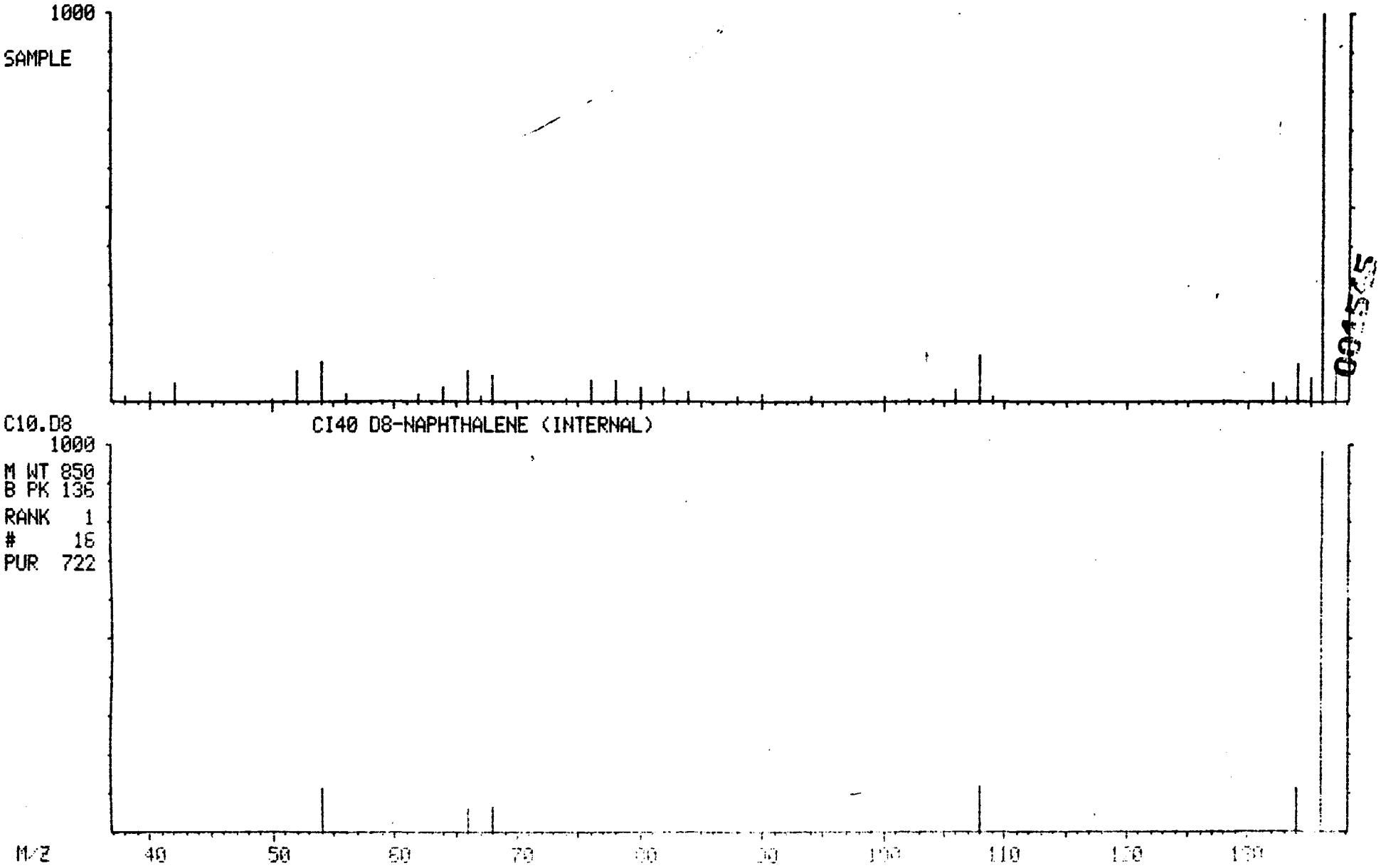


001544

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 15:01
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1515
CALI: APR22VG04 # 3

BASE M/Z: 136
RIC: 110336.

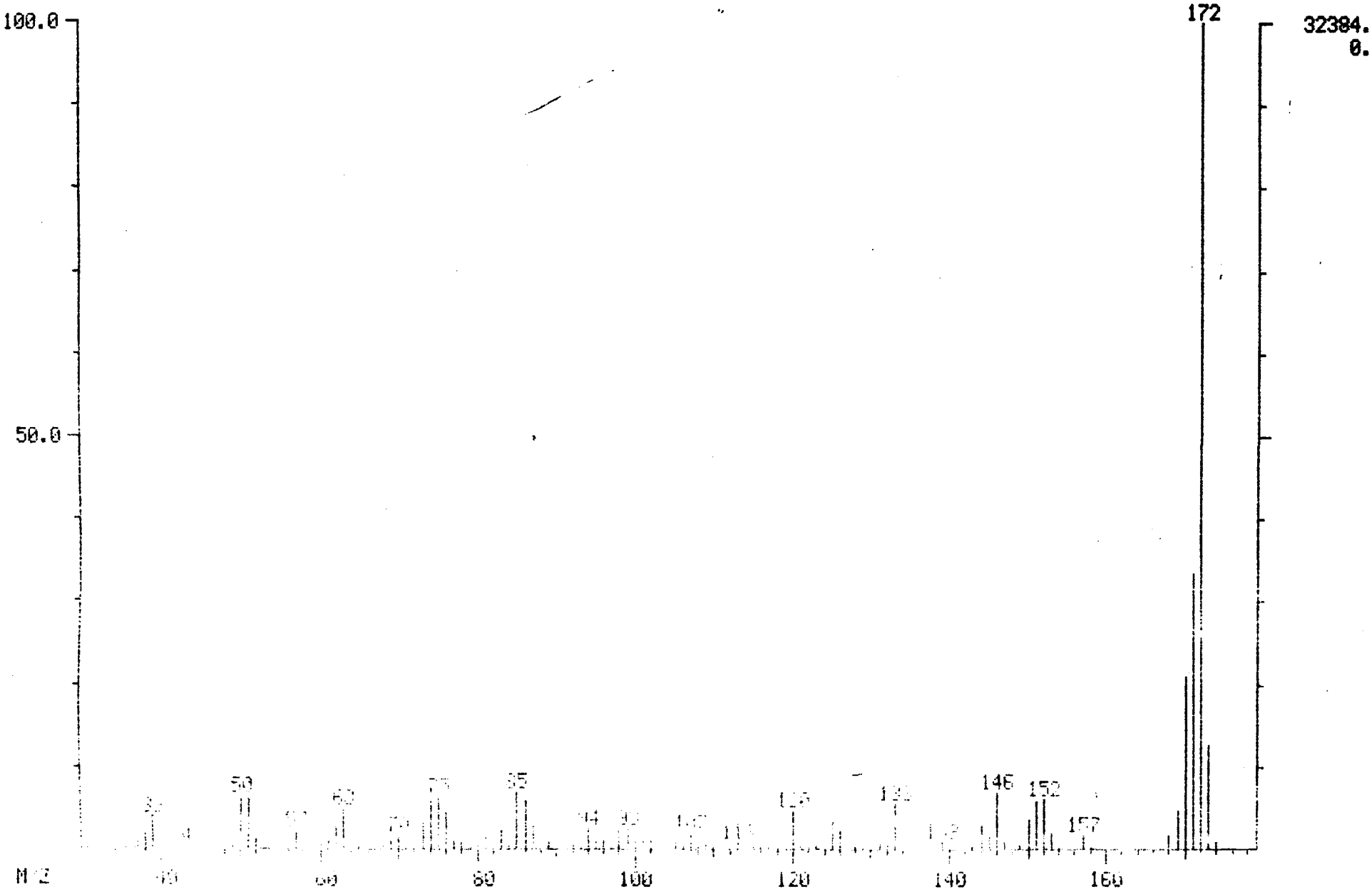


001575

MASS SPECTRUM
04/22/91 20:59:00 + 17:49
SAMPLE: 90904 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: APR22VG04 #1798
CALI: APR22VG04 #3

BASE M/Z: 172
RIC: 109824.

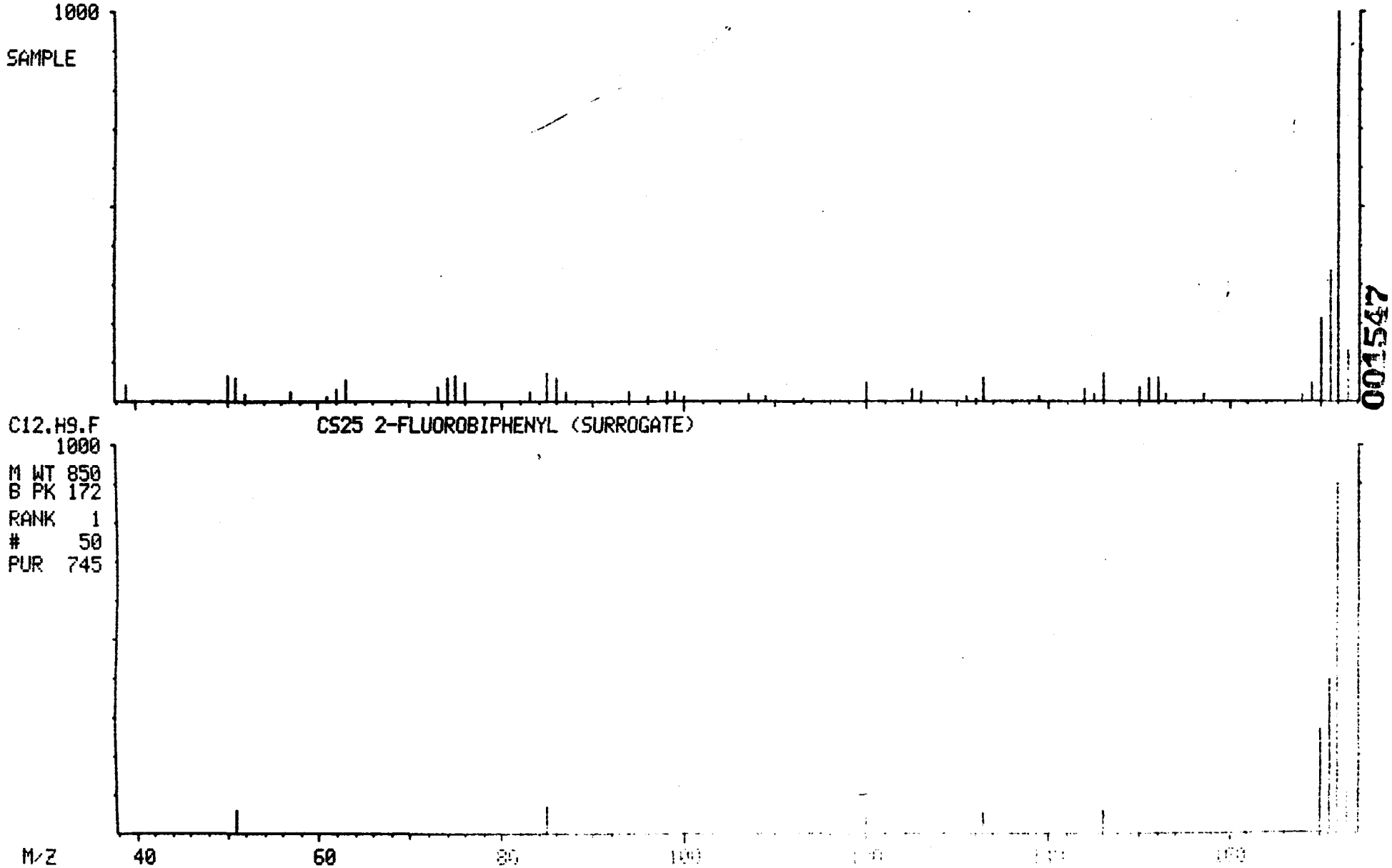


001566

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 17:49
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1798
CALI: APR22VG04 # 3

BASE M/Z: 172
RIC: 98432.

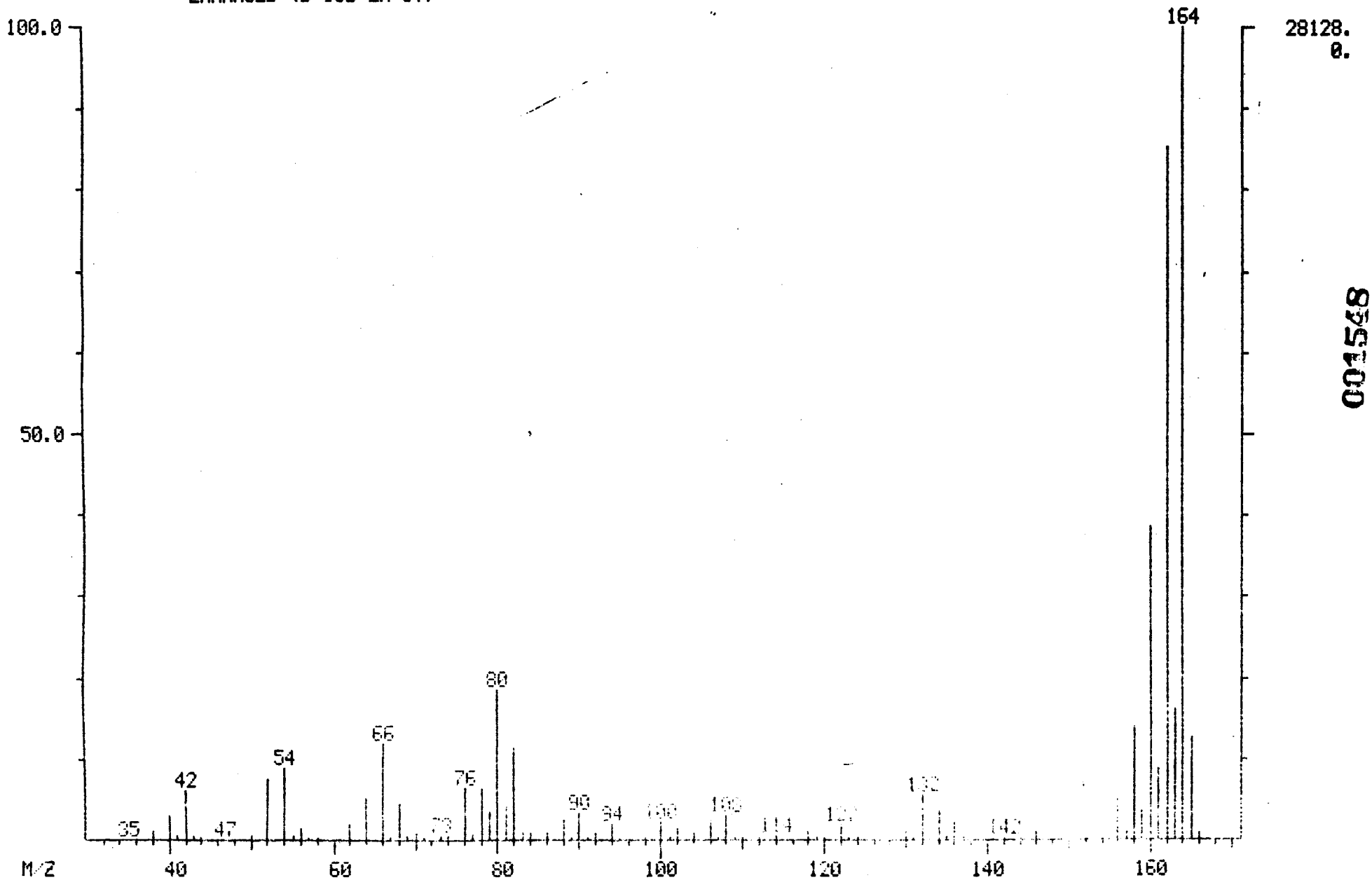


001547

MASS SPECTRUM
04/22/91 20:59:00 + 19:35
SAMPLE: 90904 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: APR22VG04 #1976
CALI: APR22VG04 #3

BASE M/Z: 164
RIC: 124288.

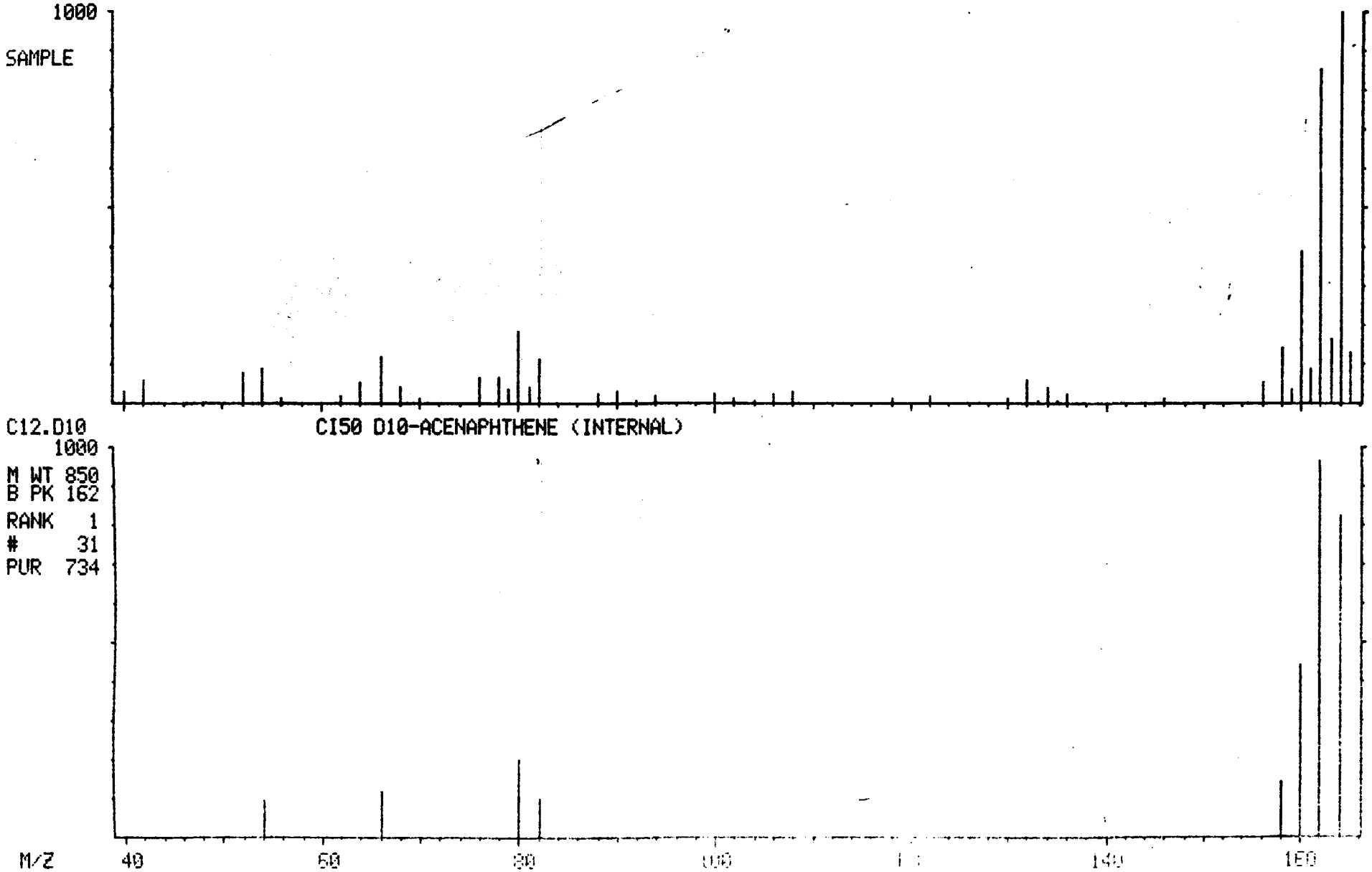


001548

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 19:35
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1976
CALI: APR22VG04 # 3

BASE M/Z: 164
RIC: 119040.

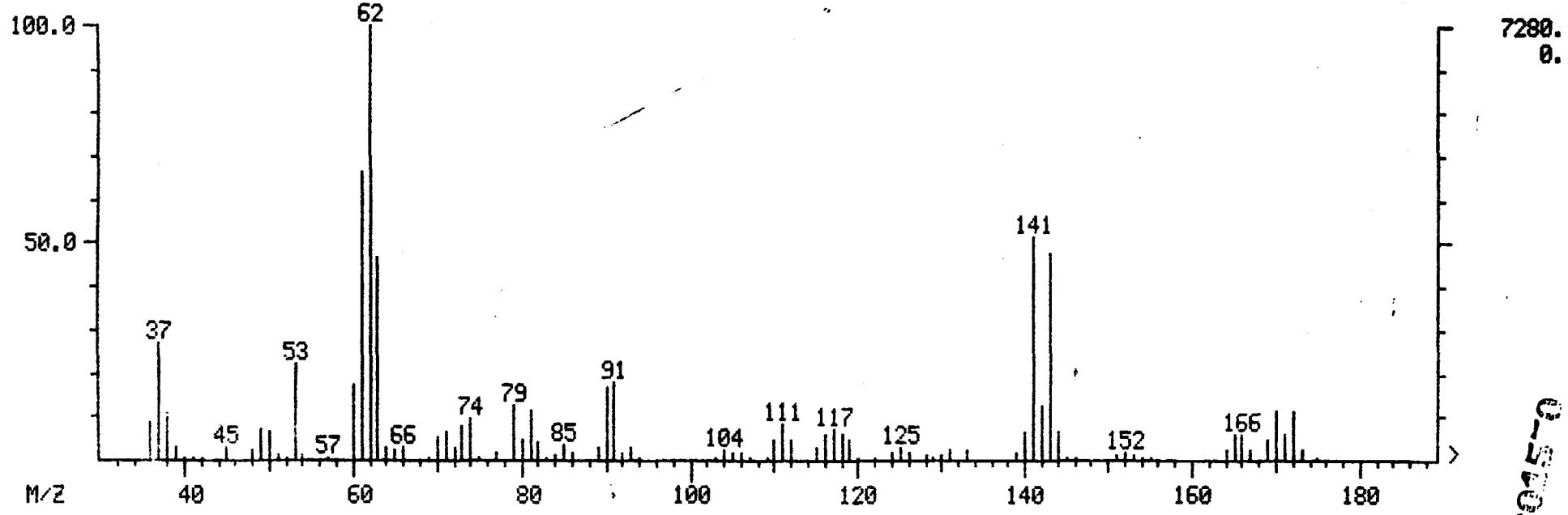


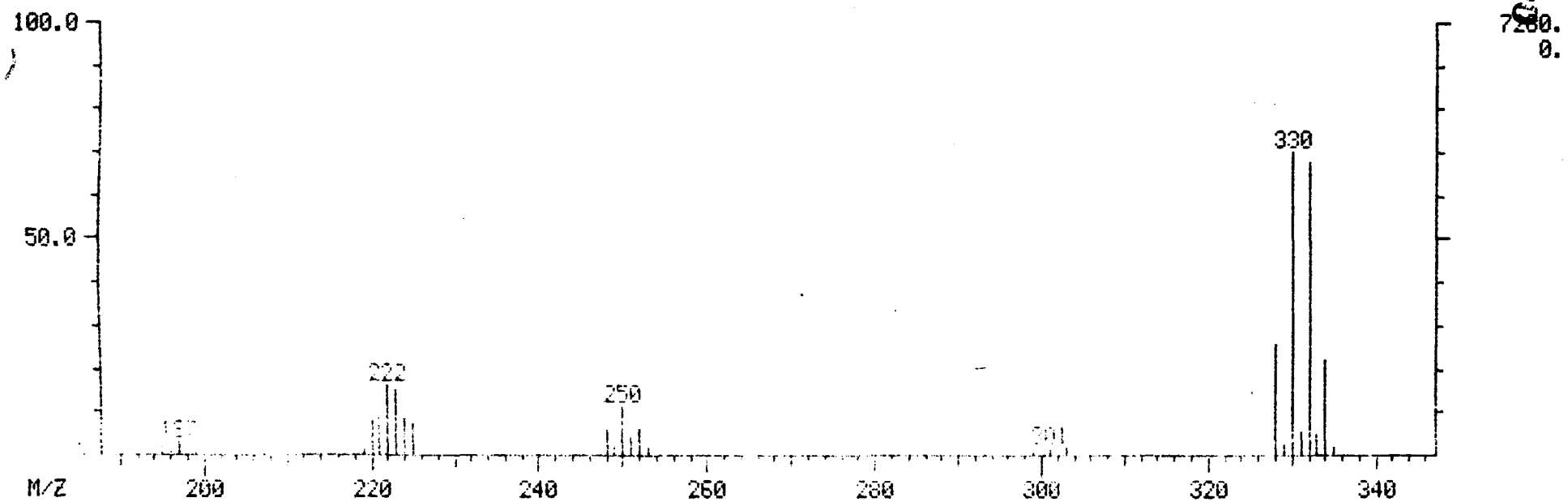
001549

MASS SPECTRUM
04/22/91 20:59:00 + 21:39
SAMPLE: 90904 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: APR22VG04 #2184
CALI: APR22VG04 #3

BASE M/Z: 62
RIC: 74368.

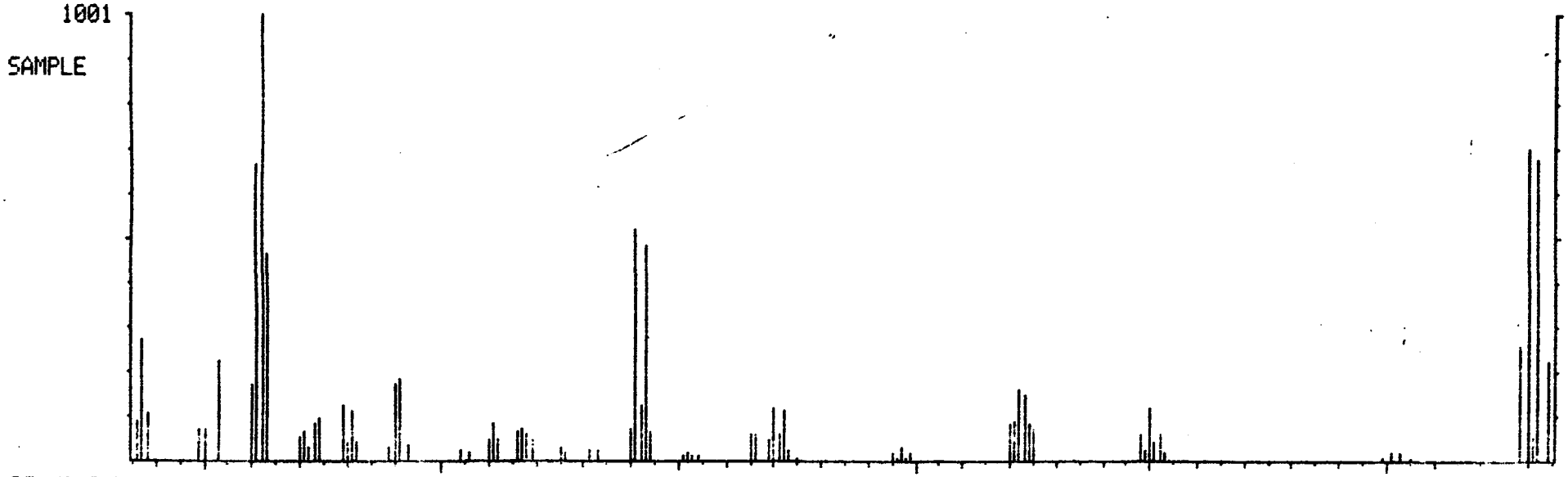




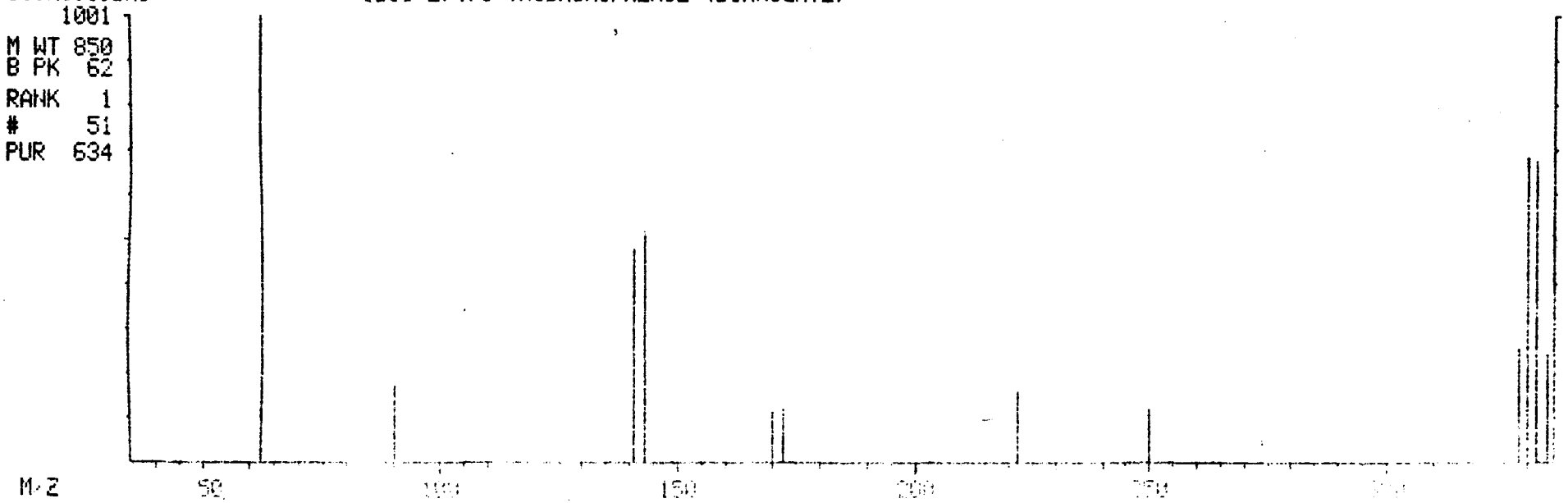
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 21:39
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2184
CALI: APR22VG04 # 3

BASE M/Z: 62
RIC: 69376.



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

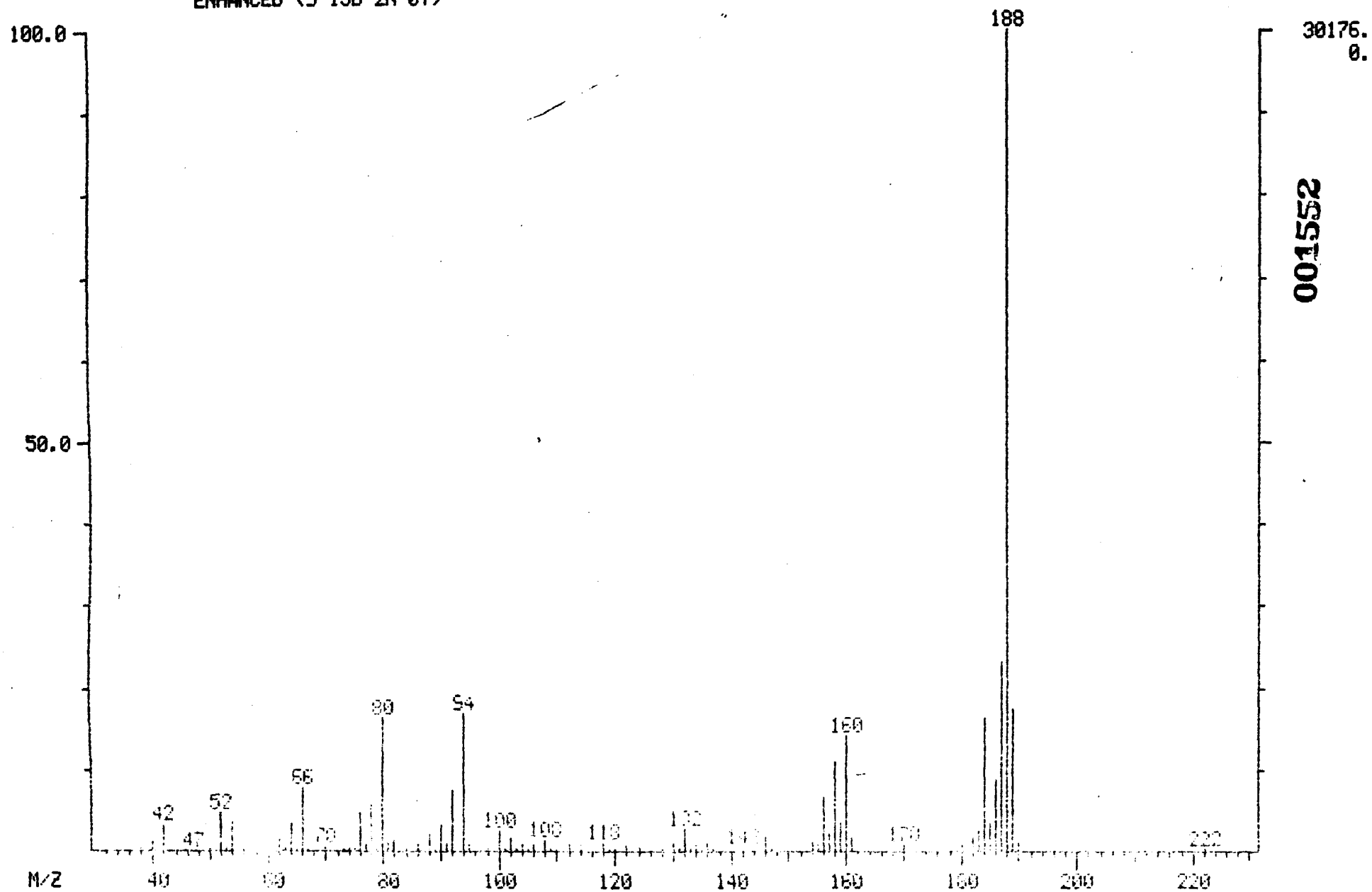


001551

MASS SPECTRUM
04/22/91 20:59:00 + 23:25
SAMPLE: 90904 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: APR22VG04 #2363
CALI: APR22VG04 #3

BASE M/Z: 188
RIC: 102528.

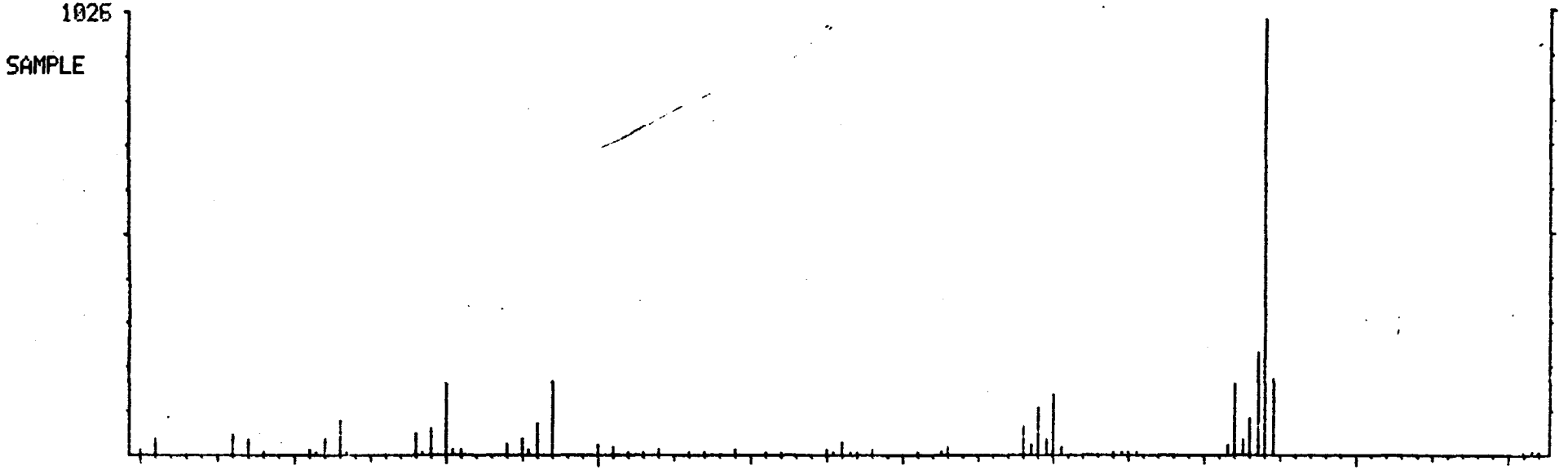


001552

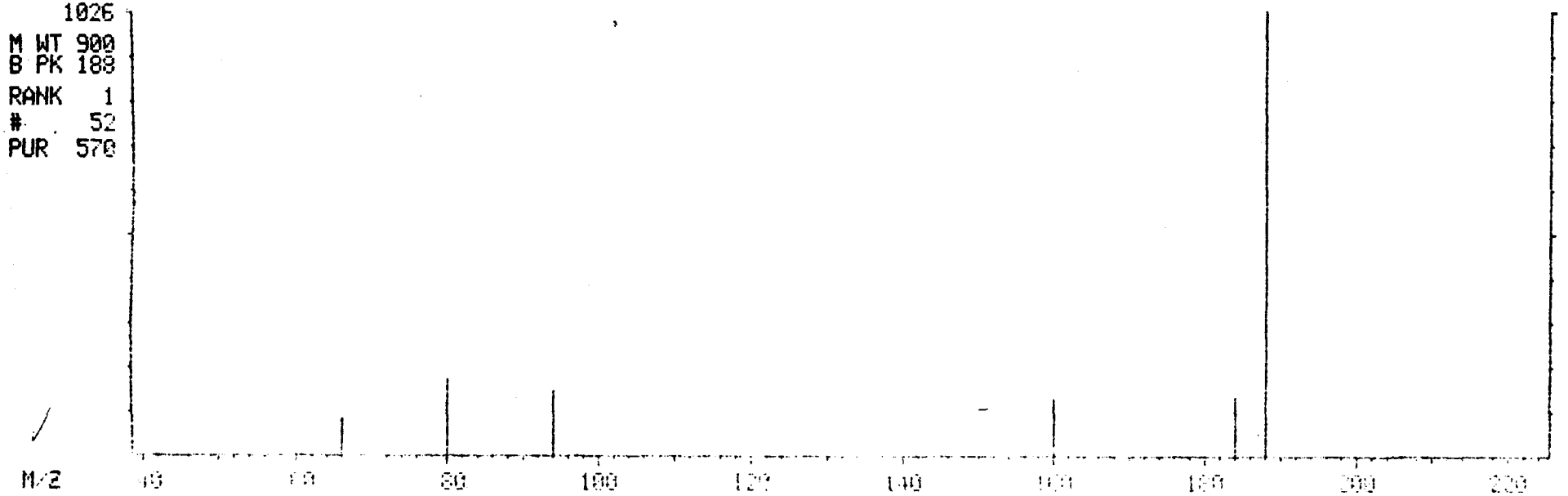
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 23:25
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2363
CALI: APR22VG04 # 3

BASE M/Z: 188
RIC: 97152.



C14.D10 CI60 D10-PHENANTHRENE (INTERNAL)

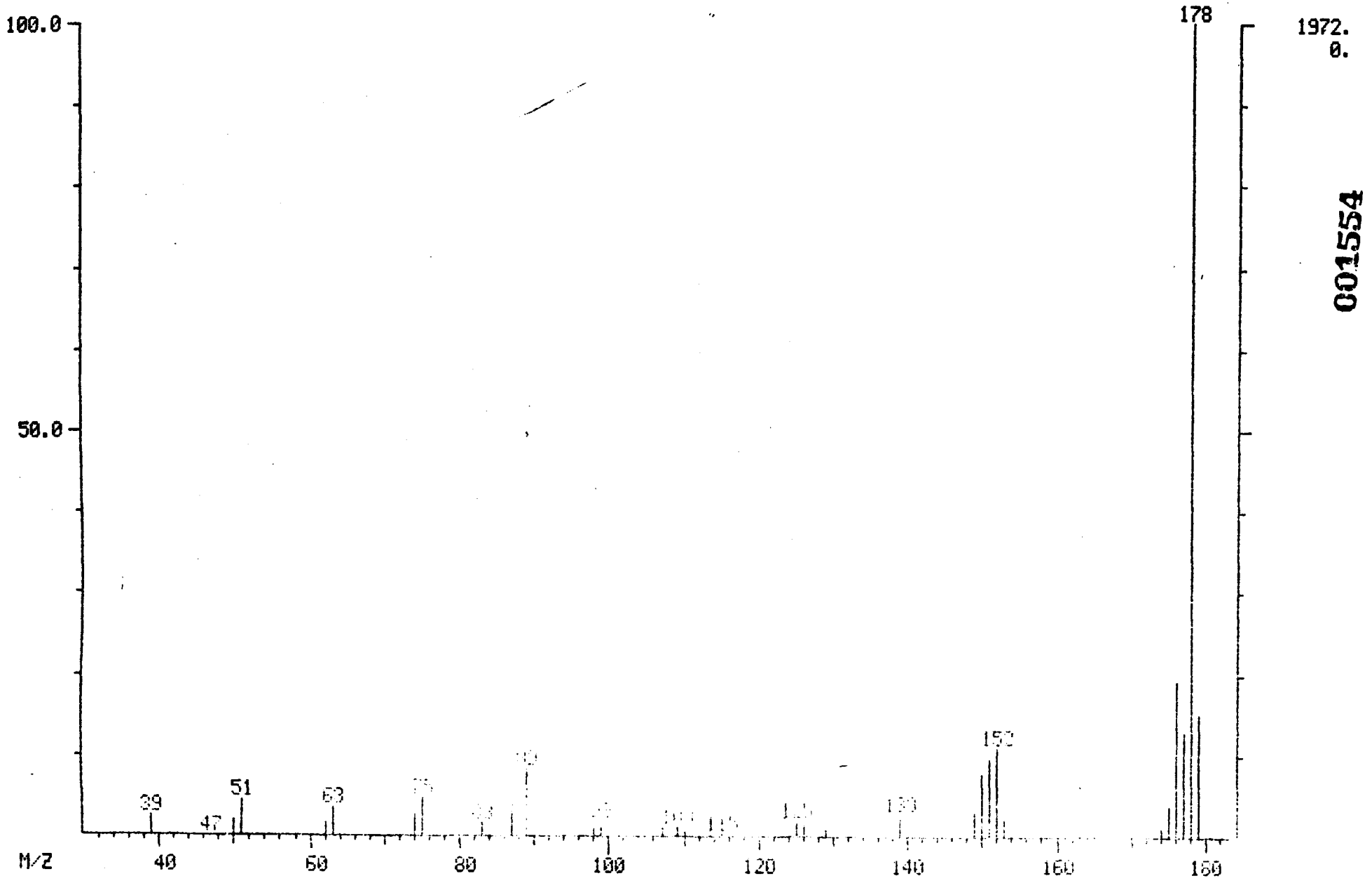


001553

MASS SPECTRUM
04/22/91 20:59:00 + 23:29
SAMPLE: 90904 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: APR22VG04 #2369
CALI: APR22VG04 #3

BASE M/Z: 178
RIC: 4640.

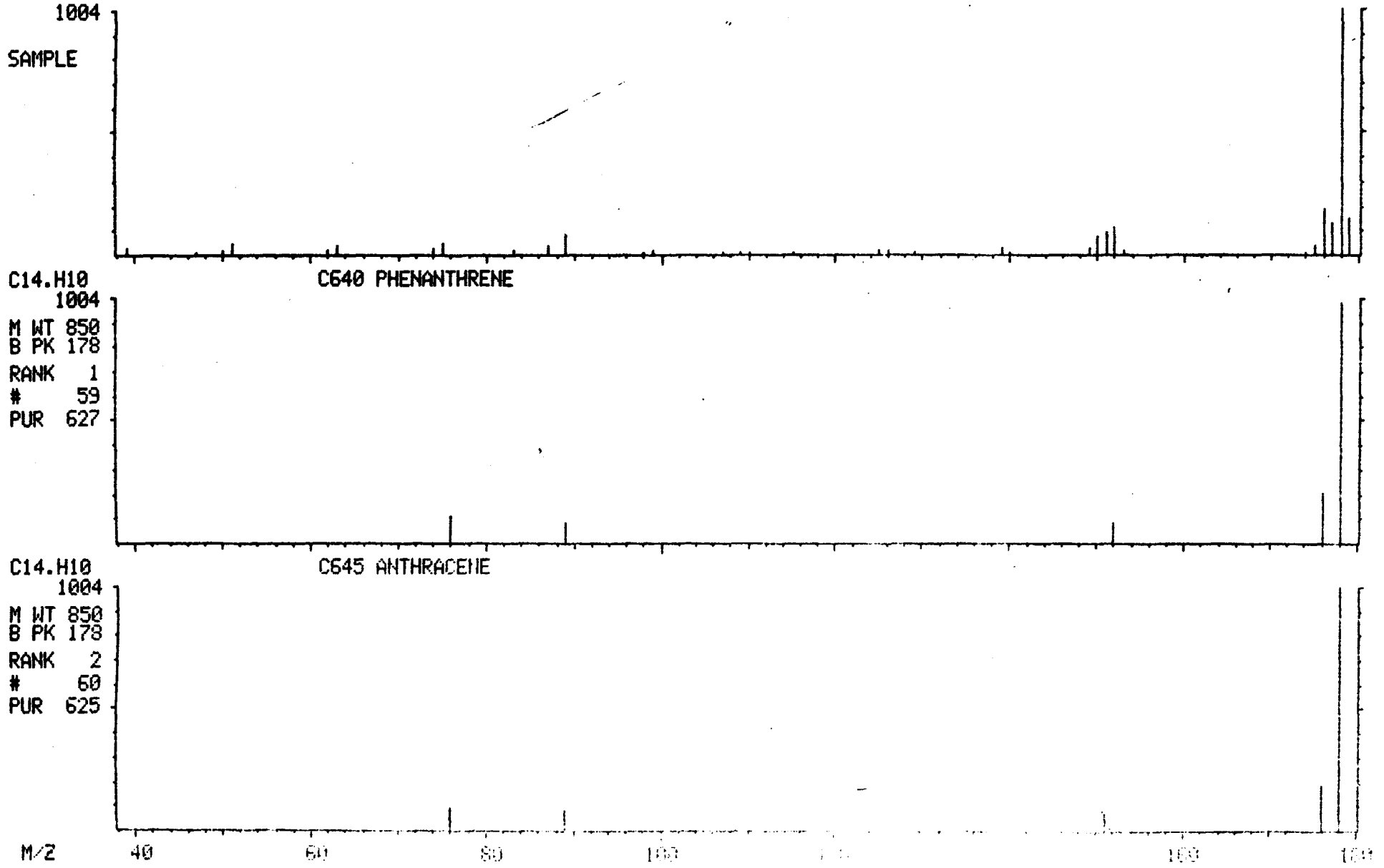


001554

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 23:29
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2369
CALI: APR22VG04 # 3

BASE M/Z: 178
RIC: 4640.



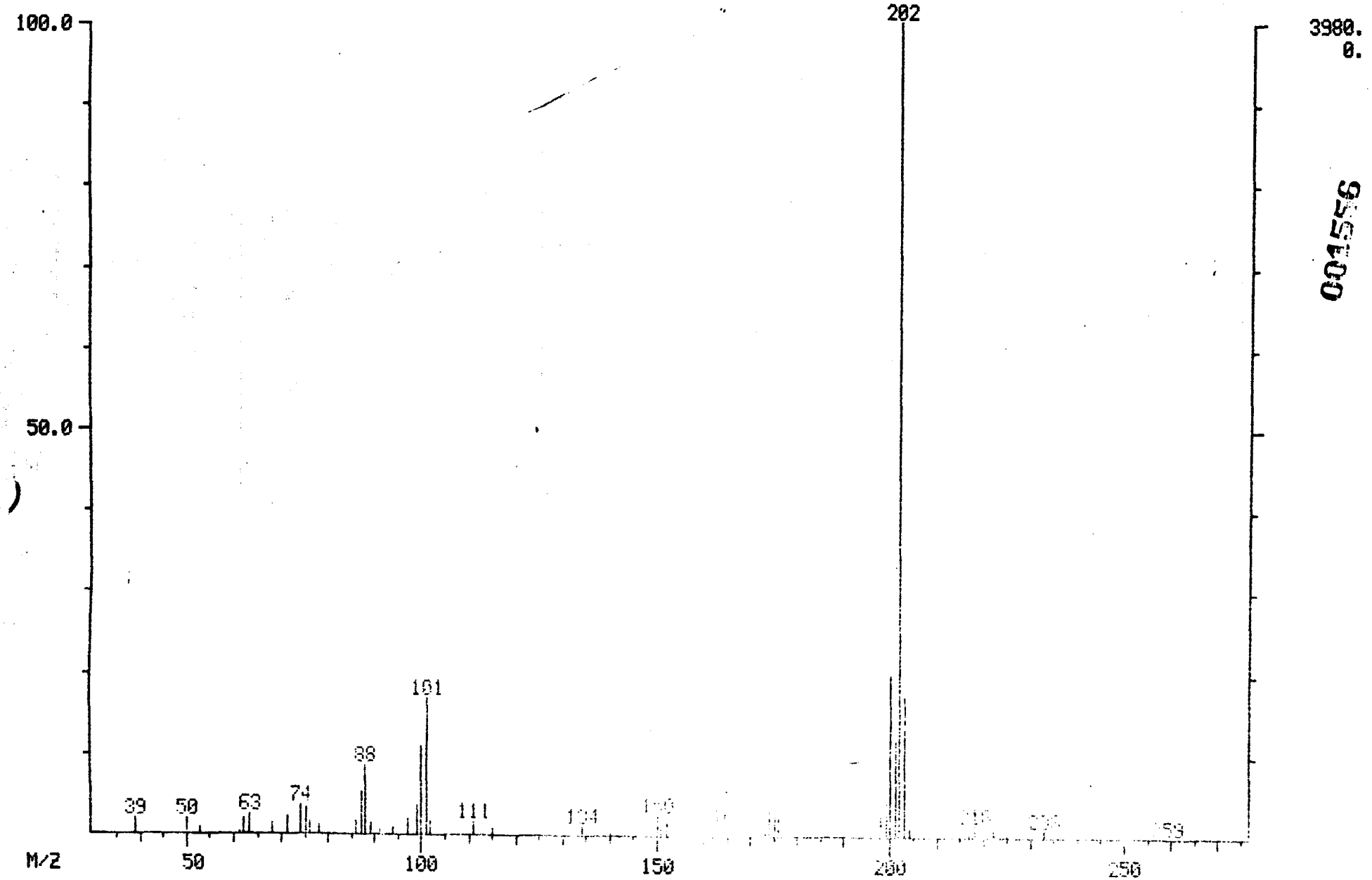
9 2 2 2 0 0 0 0 0 0 3 4 0

001575

MASS SPECTRUM
04/22/91 20:59:00 + 26:38
SAMPLE: 90904 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: APR22VG04 #2687
CALI: APR22VG04 #3

BASE M/Z: 202
RIC: 10416.

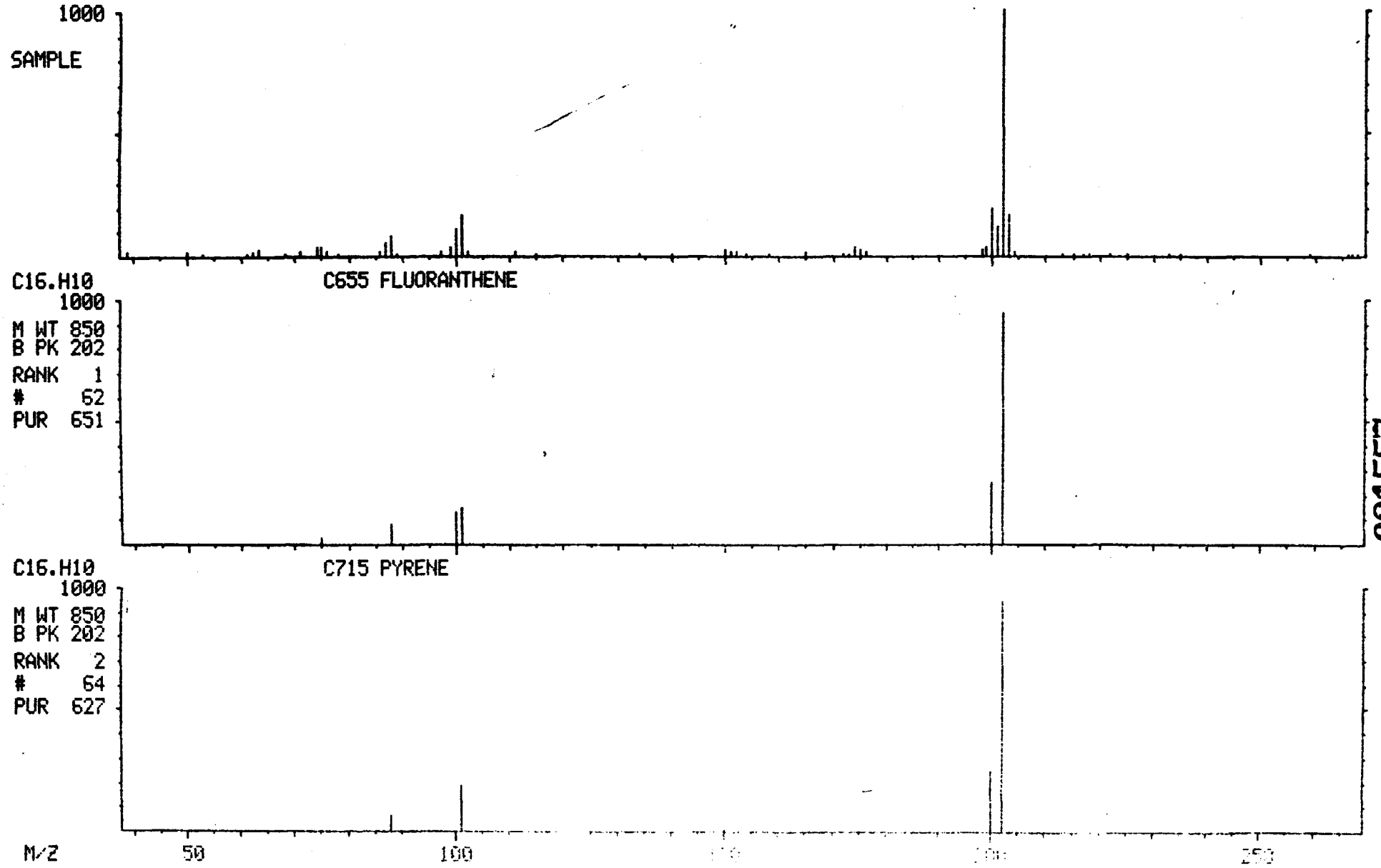


001556

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 26:38
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2687
CALI: APR22VG04 # 3

BASE M/Z: 202
RIC: 10352.

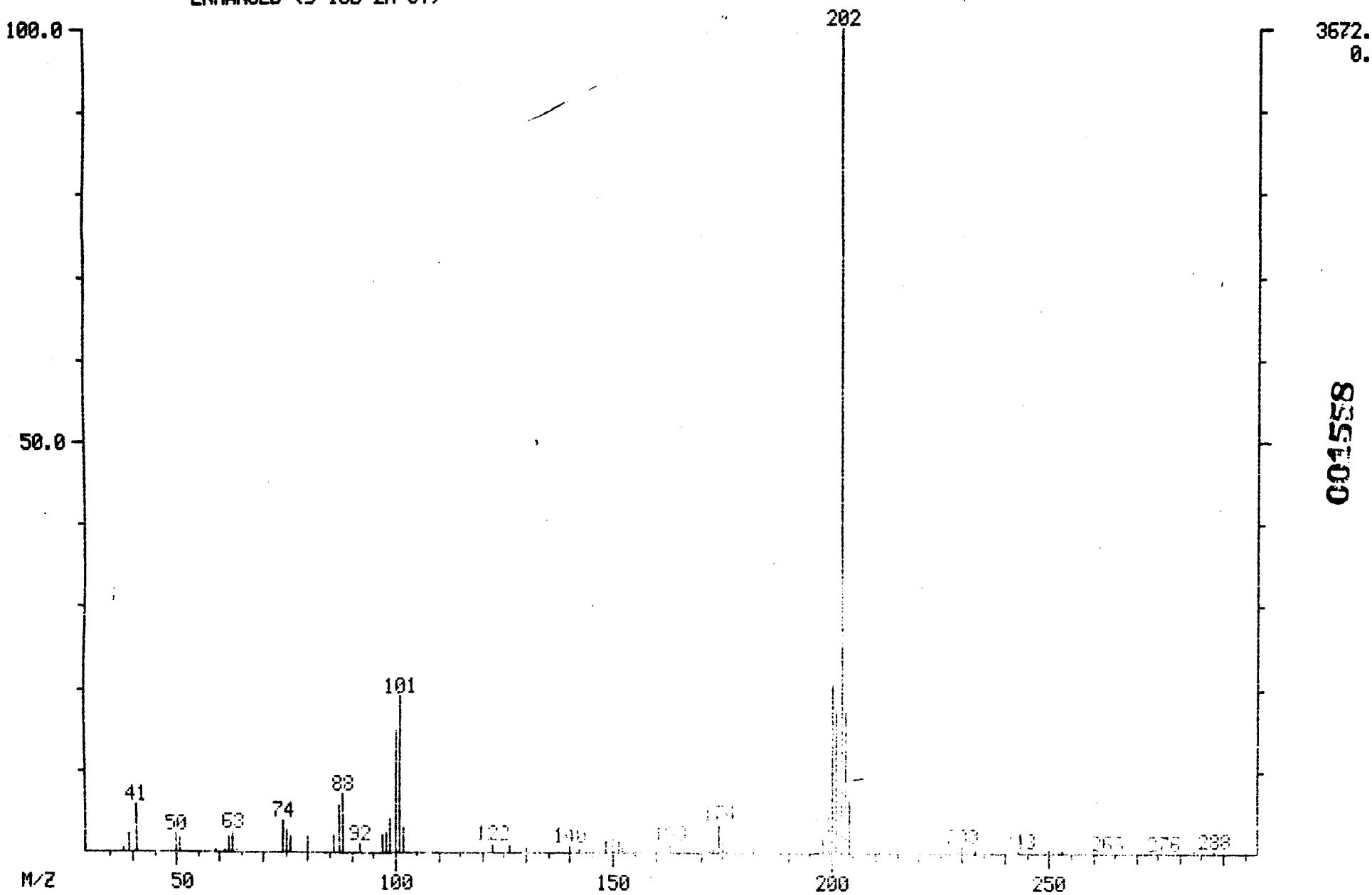


001557

MASS SPECTRUM
04/22/91 20:59:00 + 27:14
SAMPLE: 90904 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: APR22VG04 #2747
CALI: APR22VG04 #3

BASE M/Z: 202
RIC: 10544.

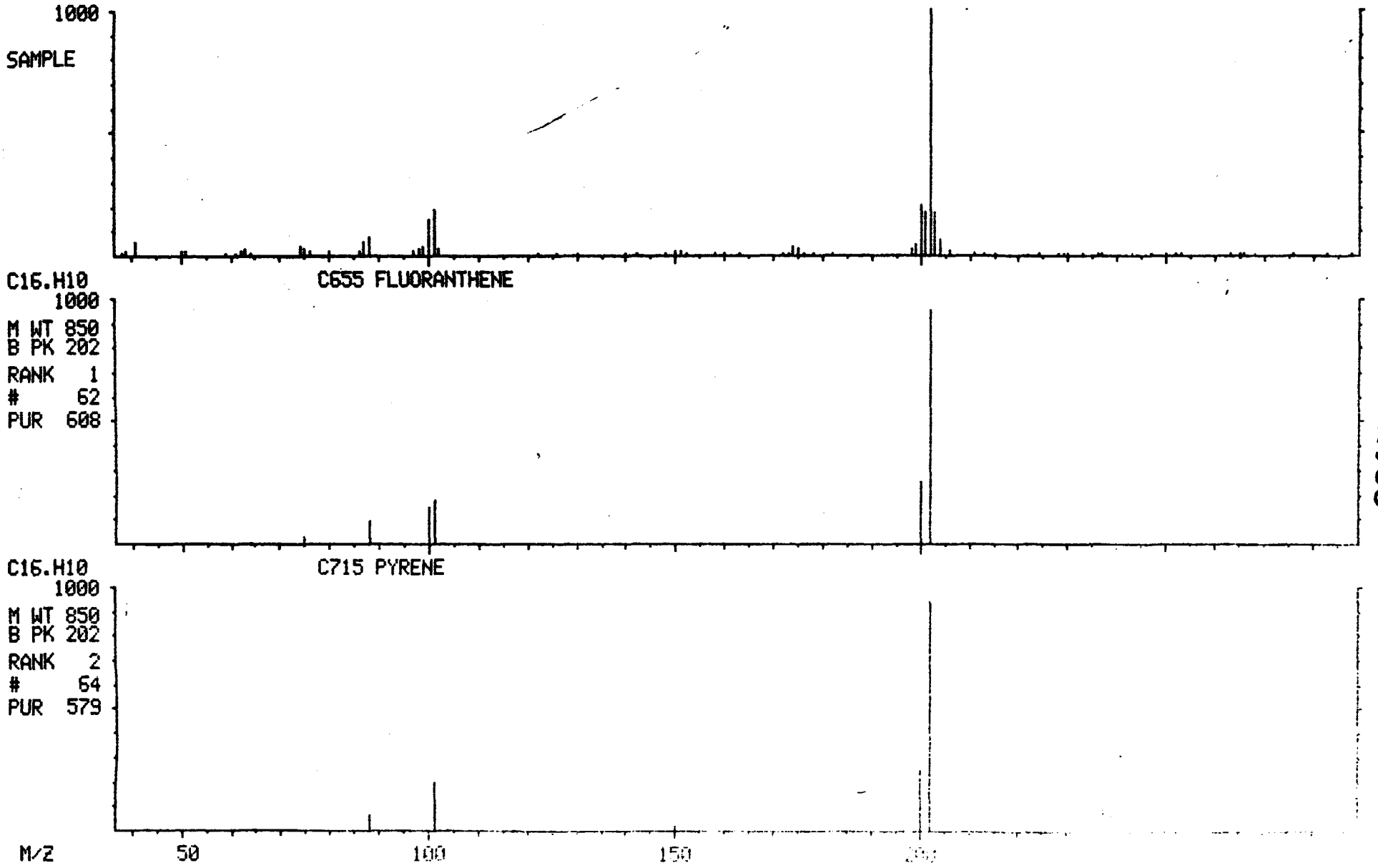


004558

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 27:14
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2747
CALI: APR22VG04 # 3

BASE M/Z: 202
RIC: 10496.

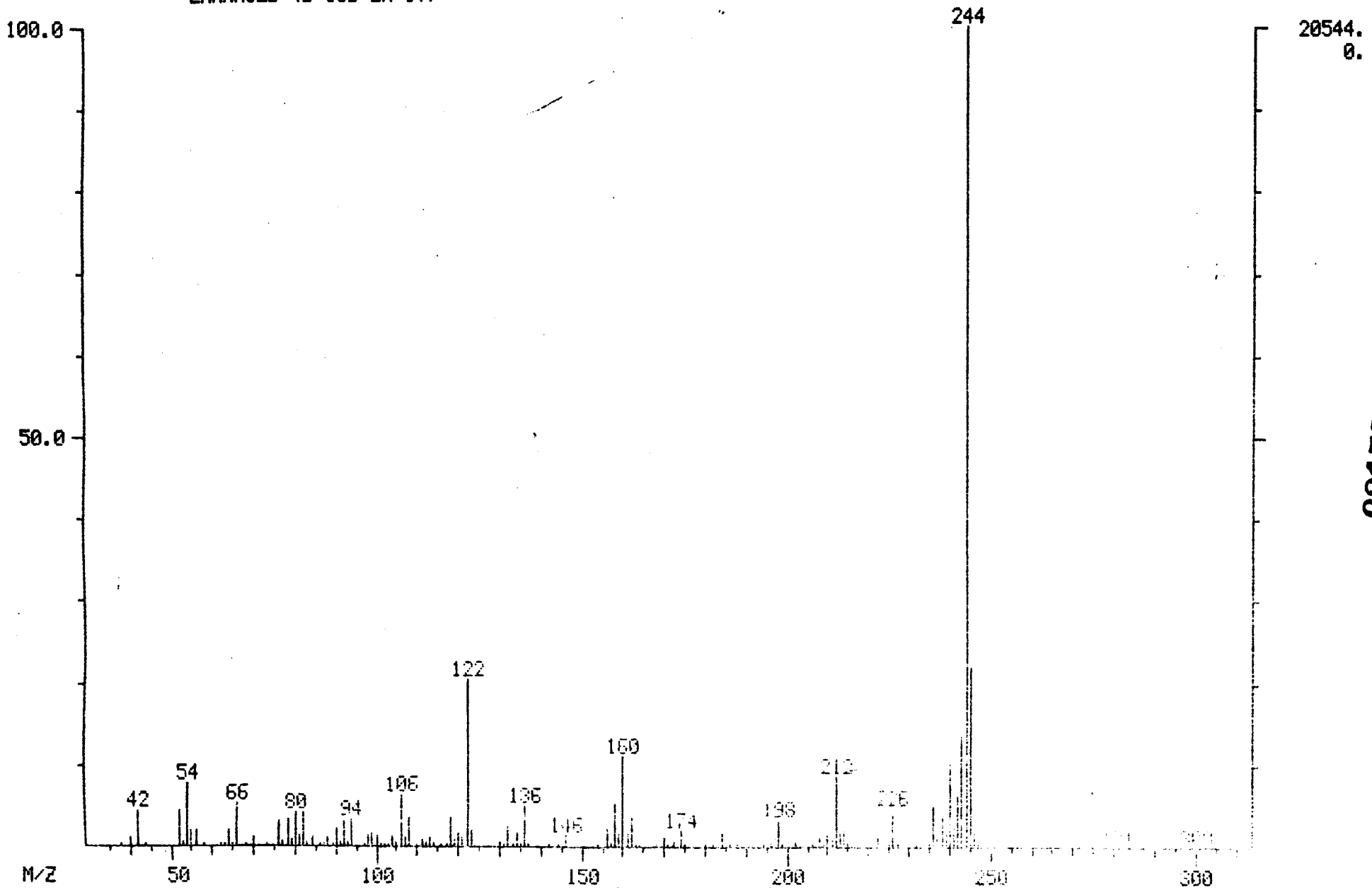


004559

MASS SPECTRUM
04/22/91 20:59:00 + 27:37
SAMPLE: 90904 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: APR22VG04 #2786
CALI: APR22VG04 #3

BASE M/Z: 244
RIC: 74880.

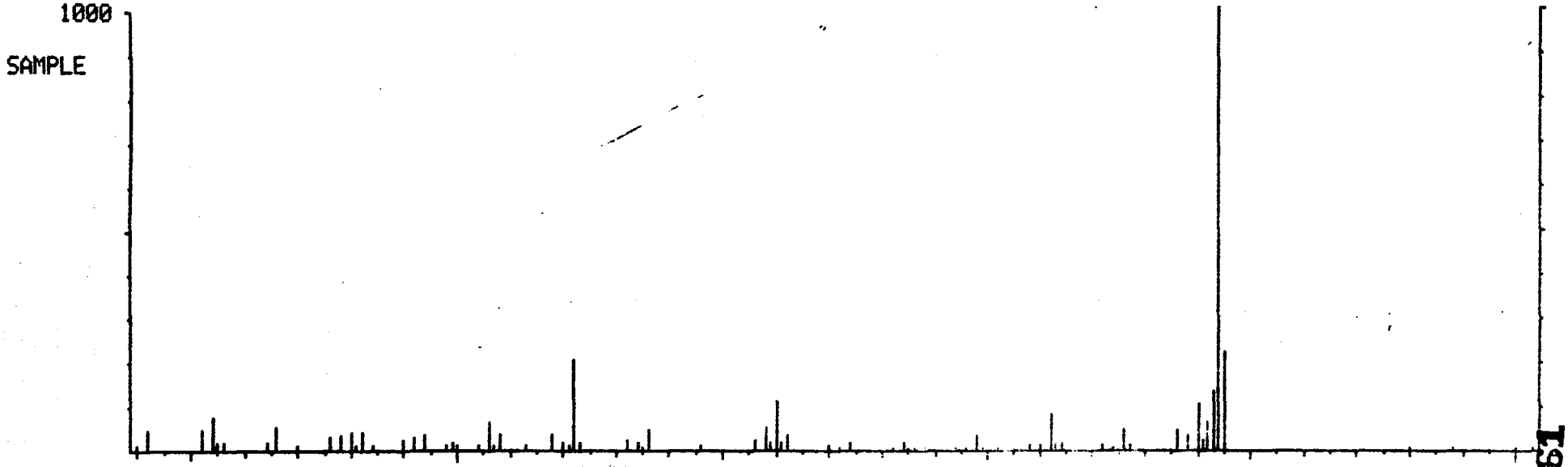


001560

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 27:37
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

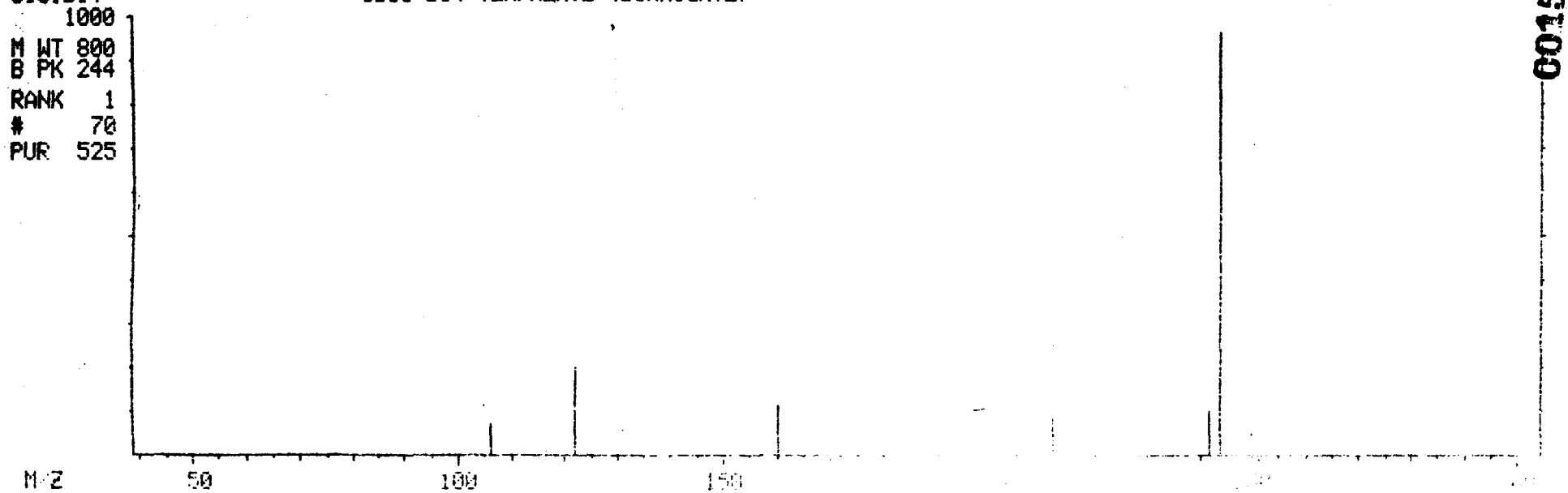
DATA: APR22VG04 #2786
CALI: APR22VG04 # 3

BASE M/Z: 244
RIC: 69504.



C18.D14
CS30 D14-TERPHENYL (SURROGATE)

M WT 800
B PK 244
RANK 1
70
PUR 525

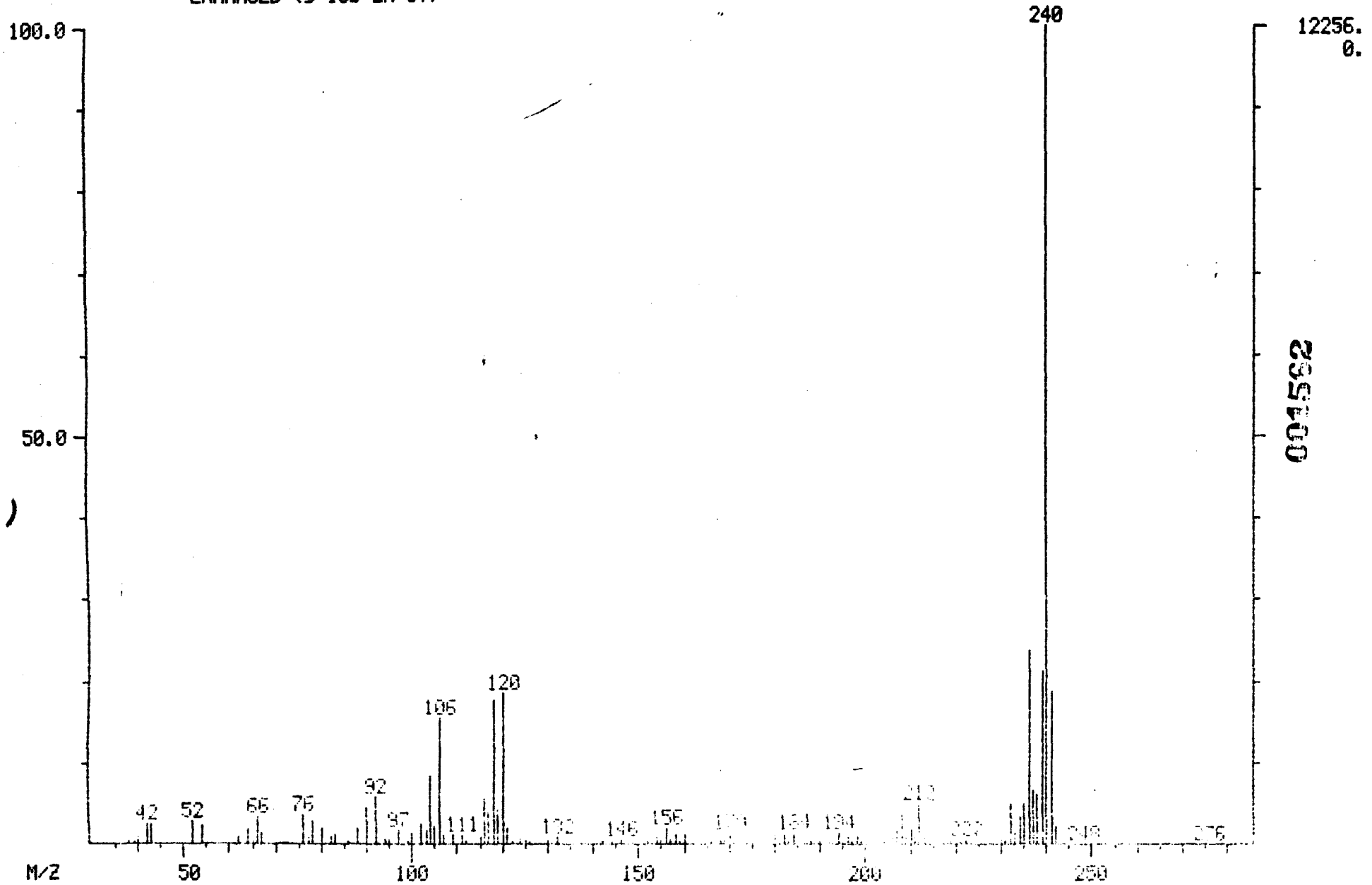


001561

MASS SPECTRUM
04/22/91 20:59:00 + 31:14
SAMPLE: 90904 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: APR22VG04 #3151
CALI: APR22VG04 #3

BASE M/Z: 240
RIC: 45440.

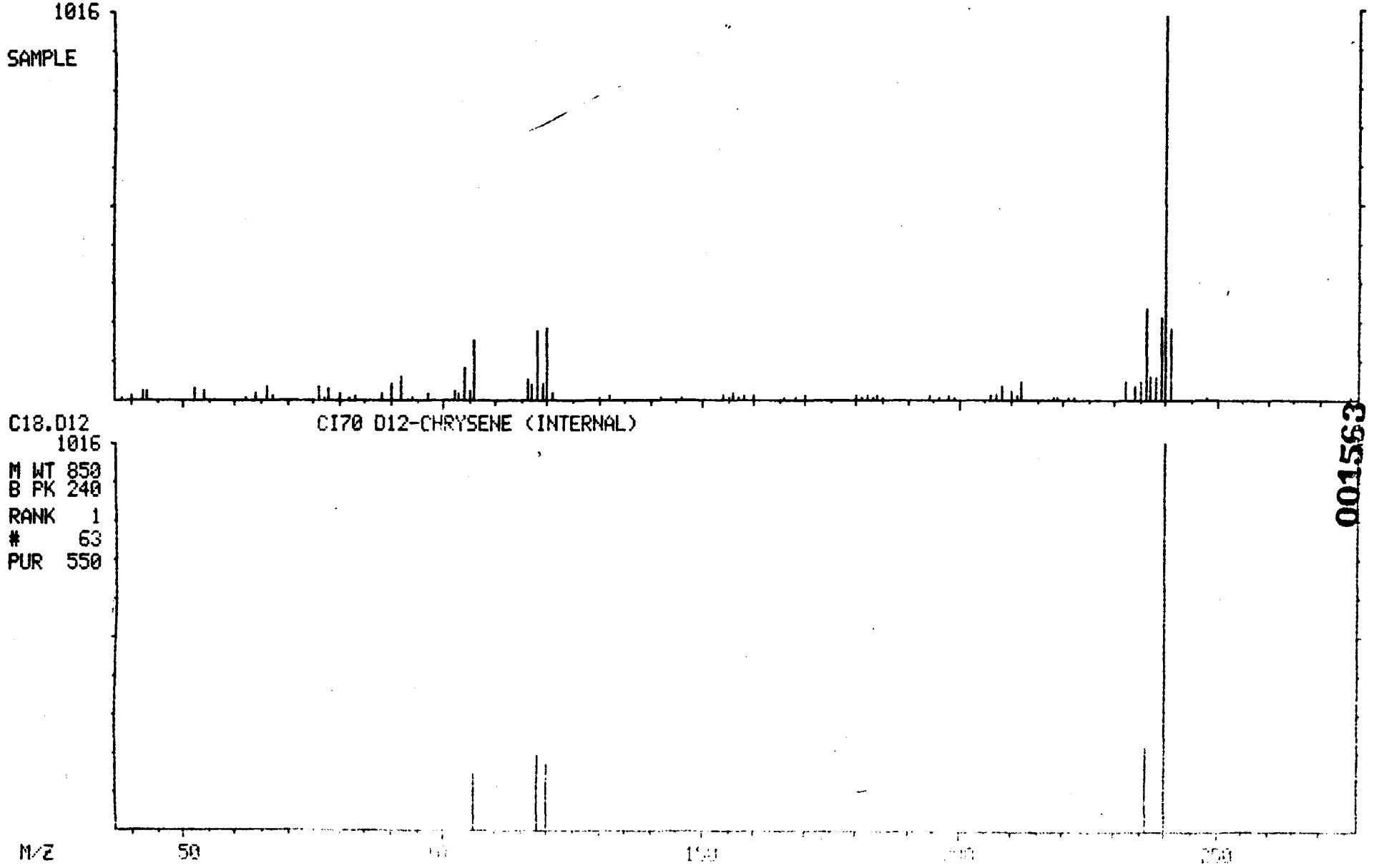


001552

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 31:14
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #3151
CALI: APR22VG04 # 3

BASE M/Z: 240
RIC: 43136.



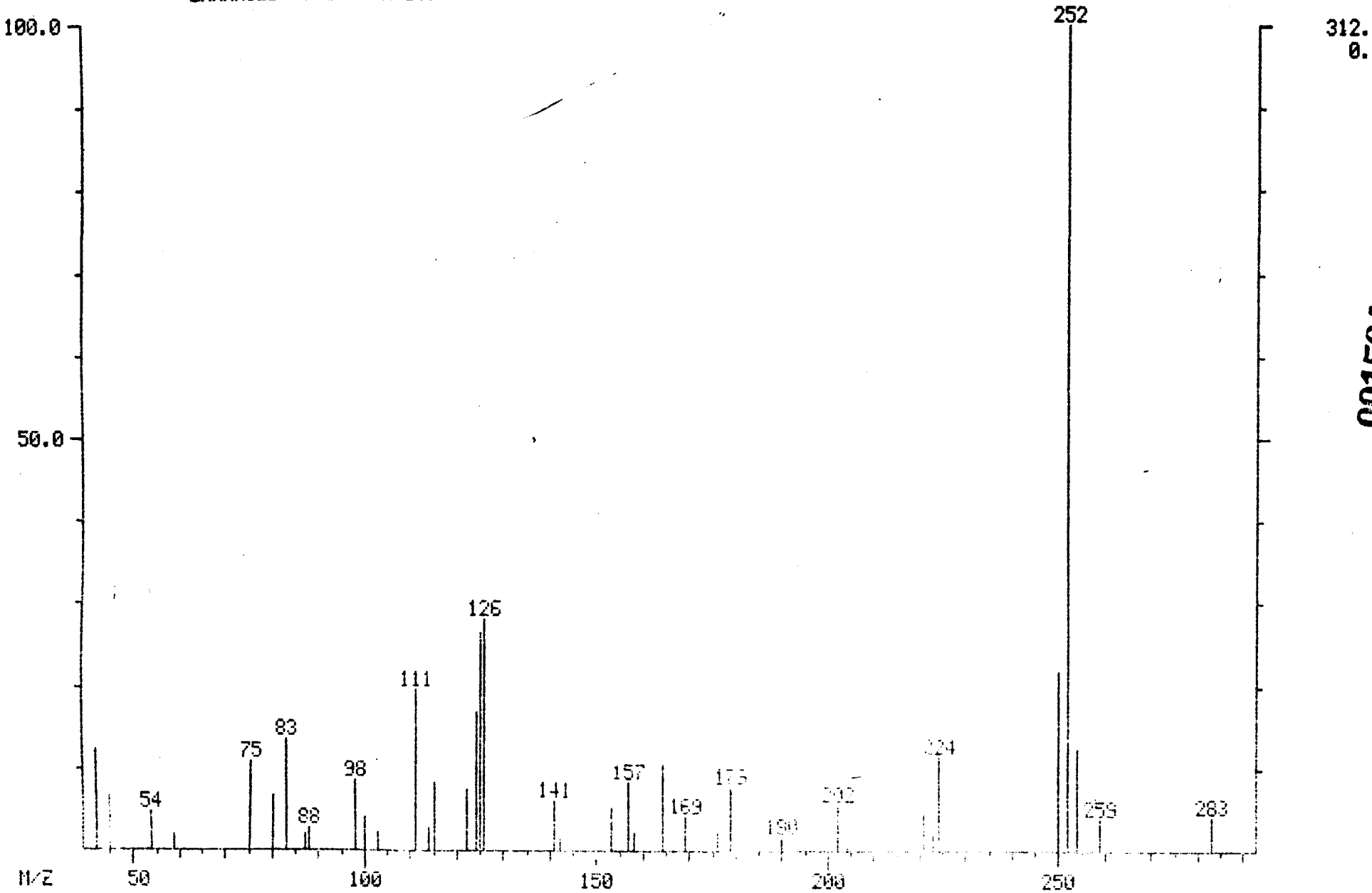
9222600U3280

001563

MASS SPECTRUM
04/22/91 20:59:00 + 37:24
SAMPLE: 90904 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: APR22VG04 #3773
CALI: APR22VG04 #3

BASE M/Z: 252
RIC: 1262.

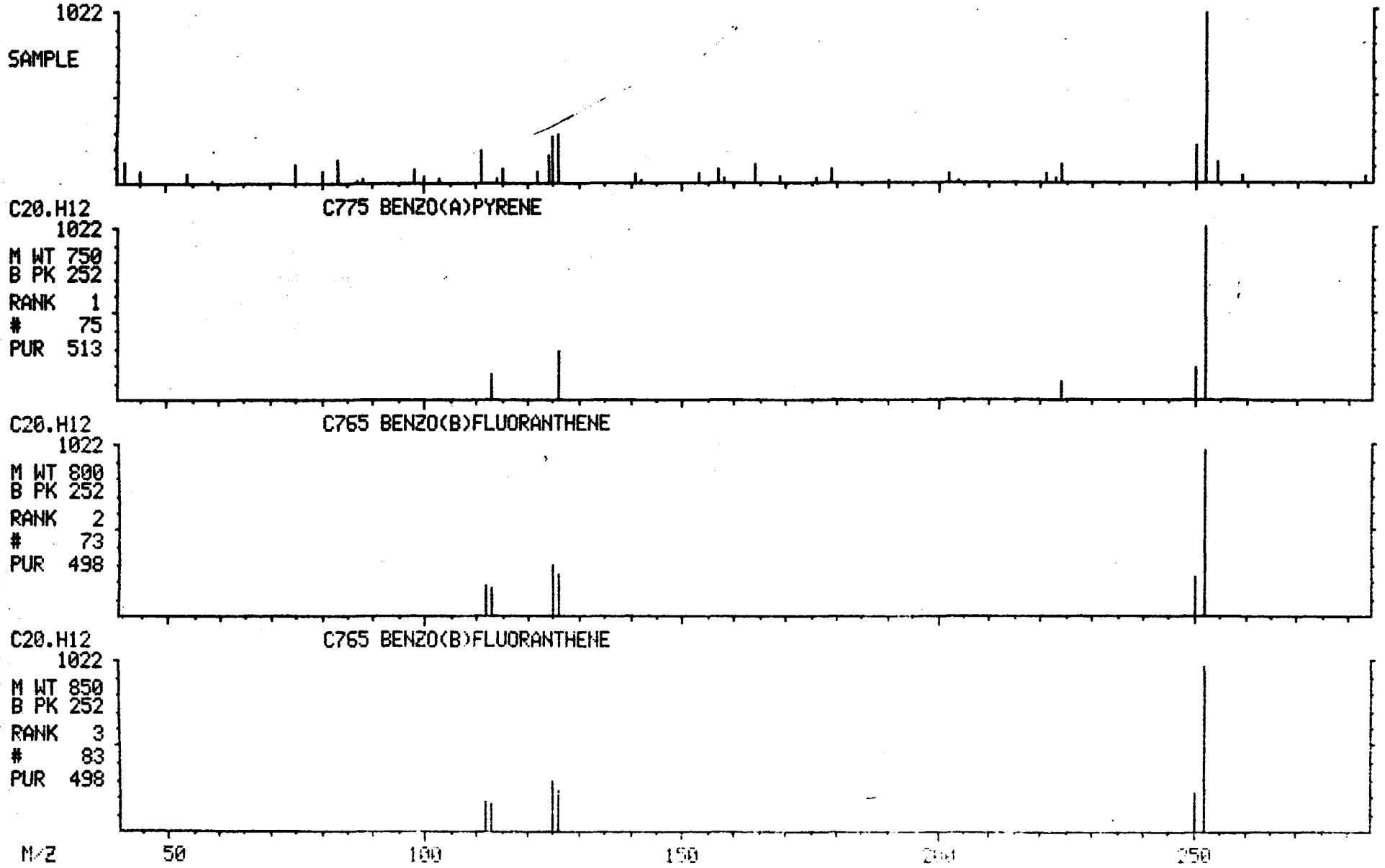


001564

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 37:24
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #3773
CALI: APR22VG04 # 3

BASE M/Z: 252
RIC: 1262.

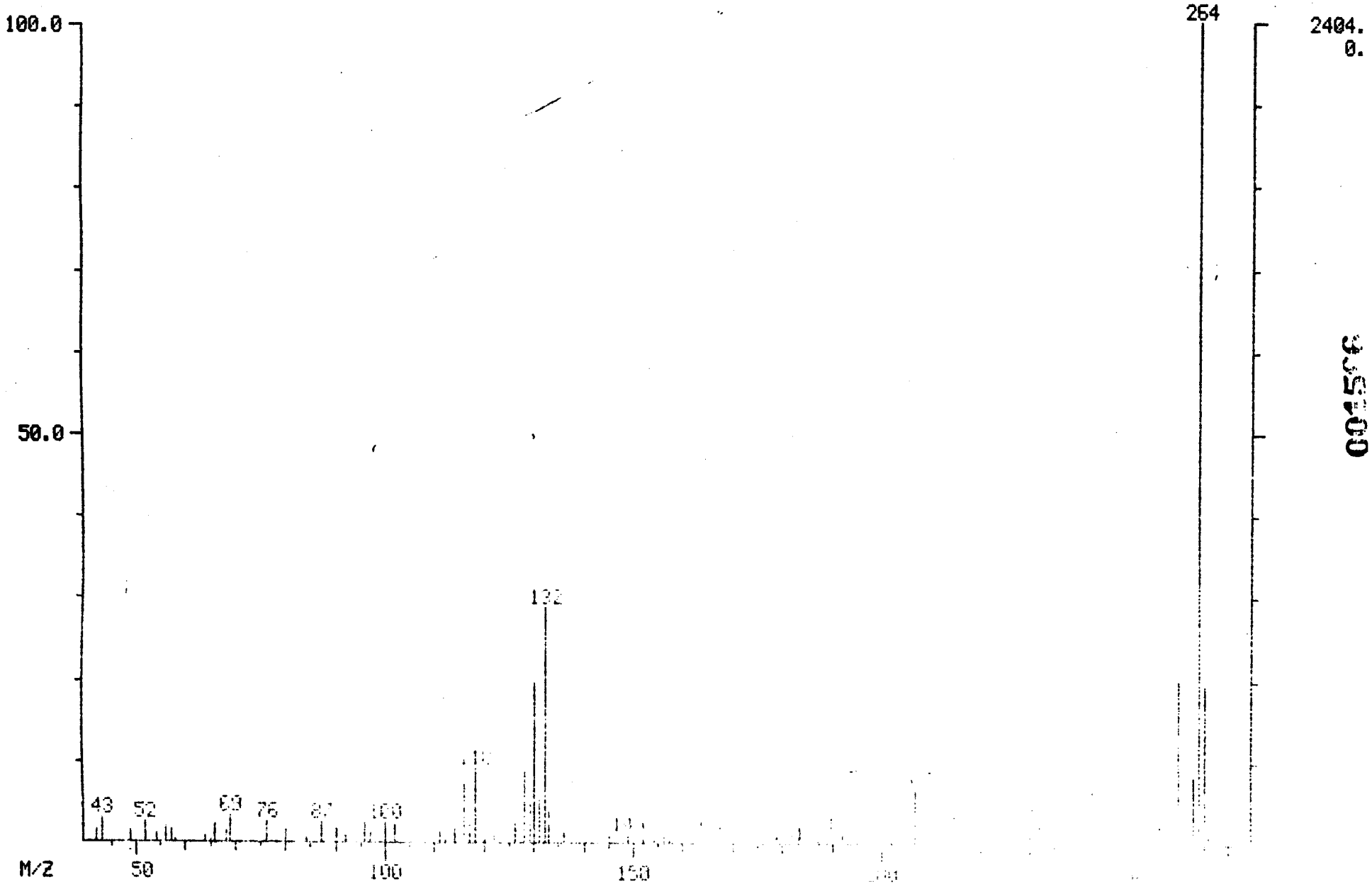


001565

MASS SPECTRUM
04/22/91 20:59:00 + 40:27
SAMPLE: 90904 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: APR22VG04 #4081
CALI: APR22VG04 #3

BASE M/Z: 264
RIC: 8056.

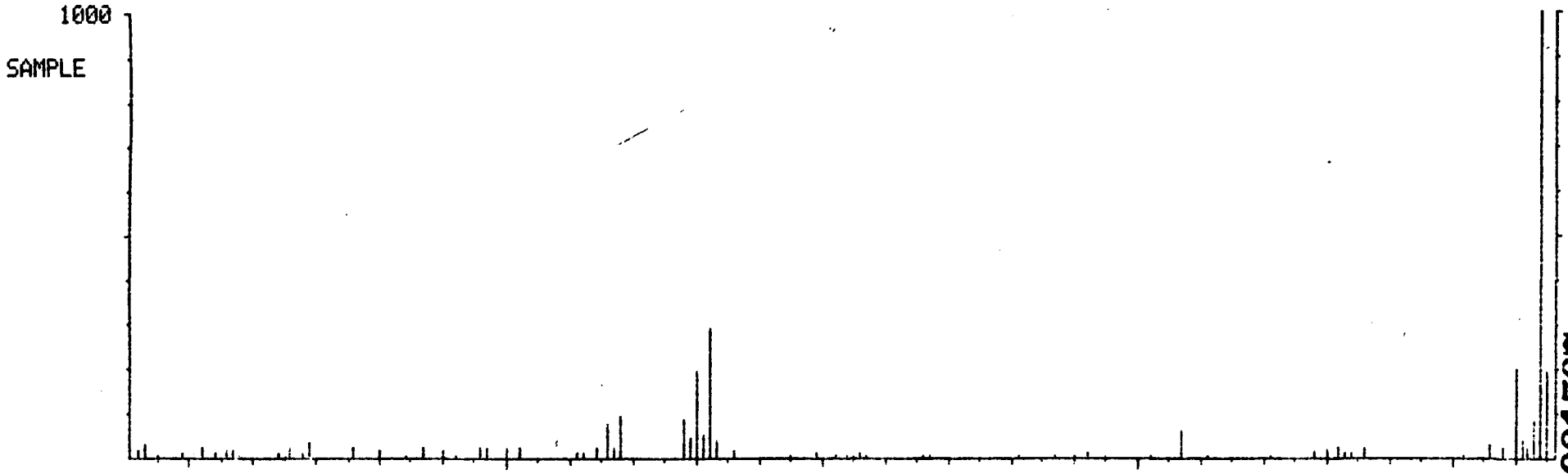


00557

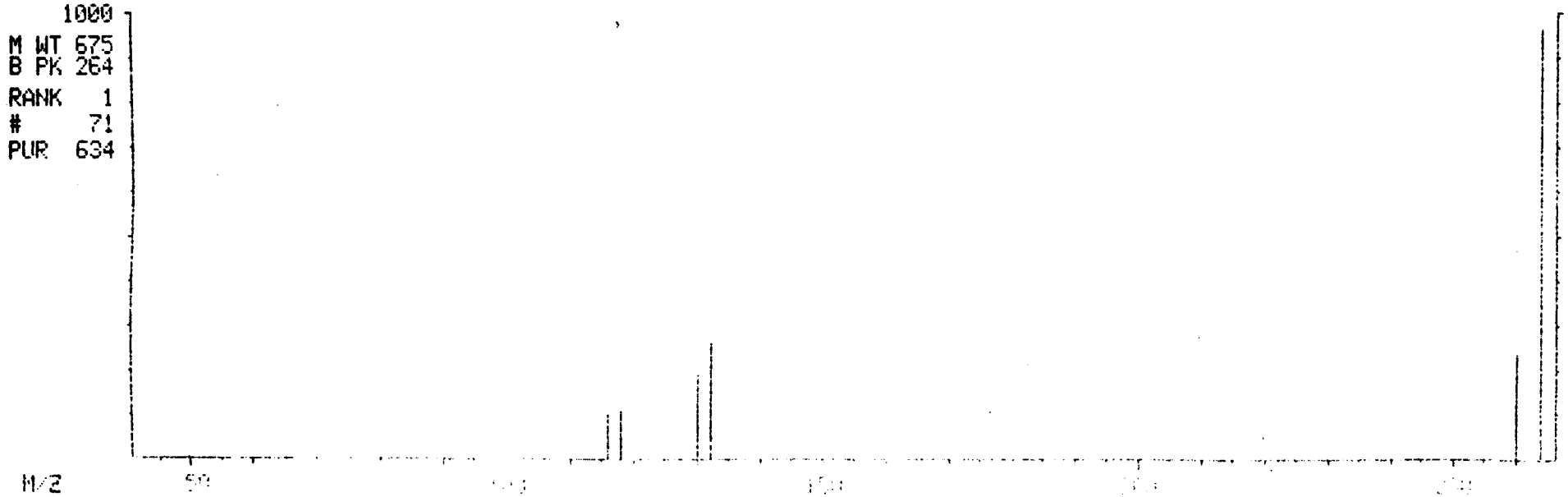
MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 20:59:00 + 40:27
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #4081
CALI: APR22VG04 # 3

BASE M/Z: 264
RIC: 7792.



C20.D12 CI75 D12-PERYLENE (INTERNAL)



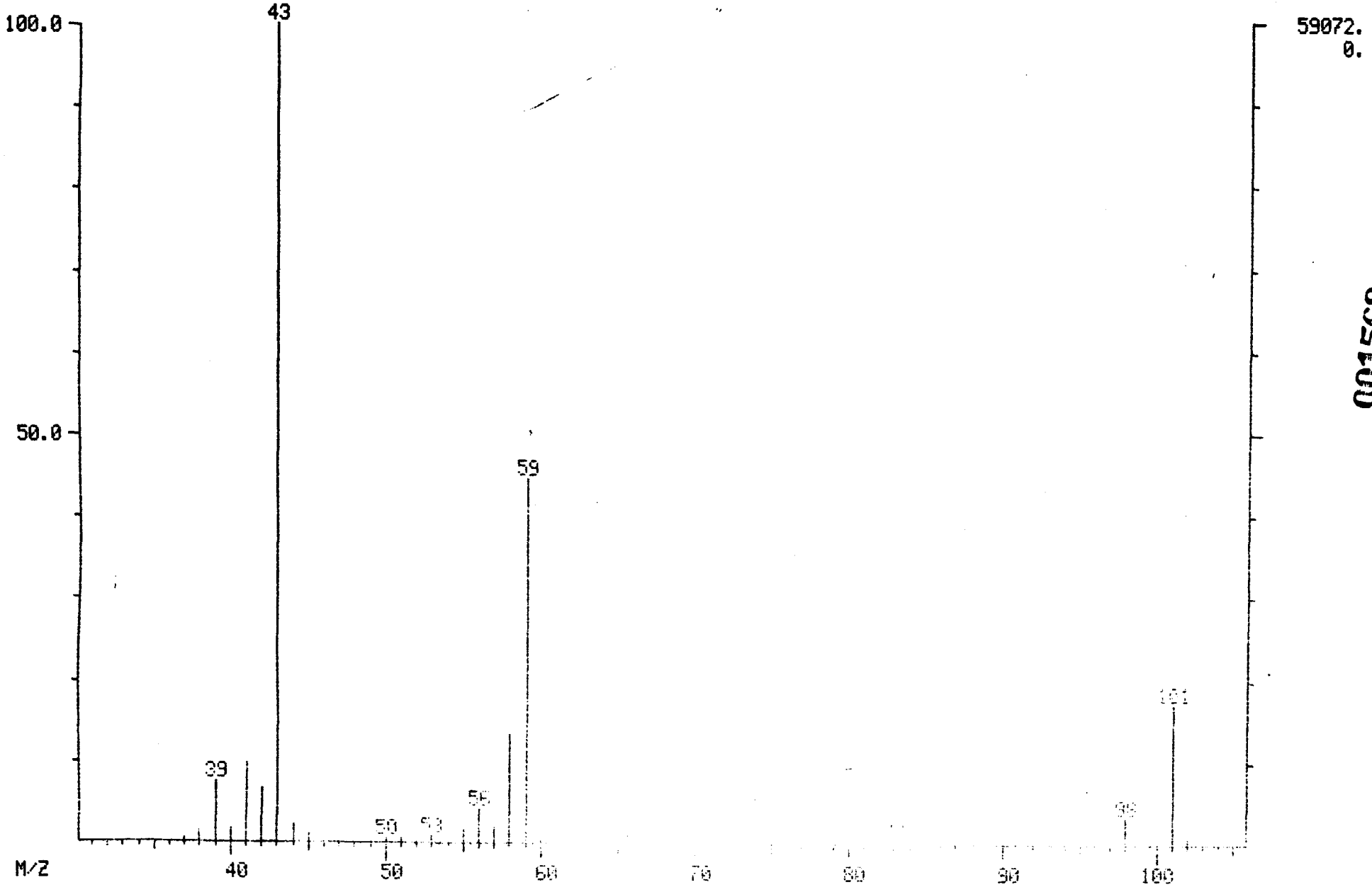
004567

NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 20:59:00 + 8:07
SAMPLE: 90904 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: APR22VG04 #819
CALI: APR22VG04 #3

BASE M/Z: 43
RIC: 133376.

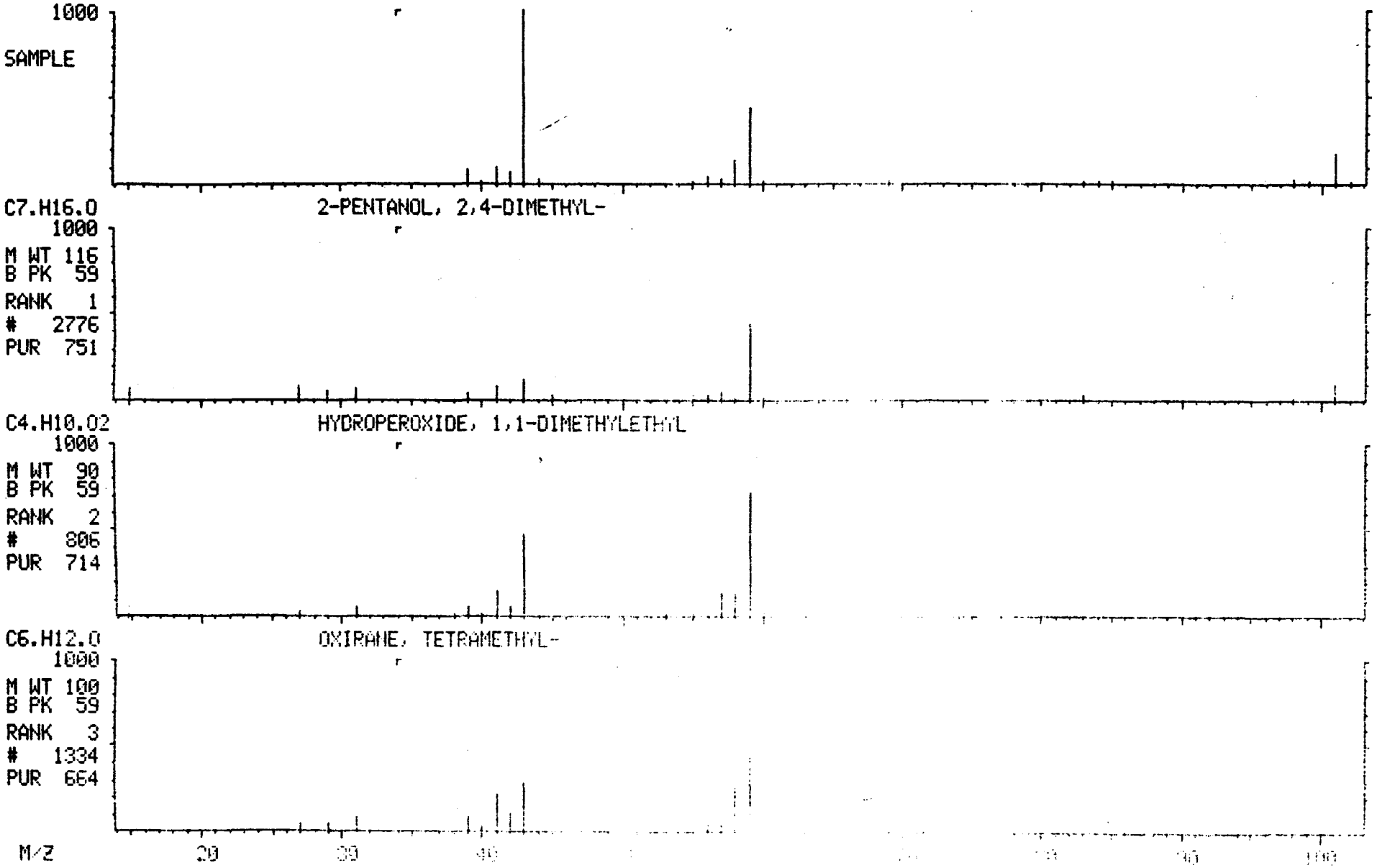


001569

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 8:07
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 # 819
CALI: APR22VG04 # 3

BASE M/Z: 43
RIC: 129280.

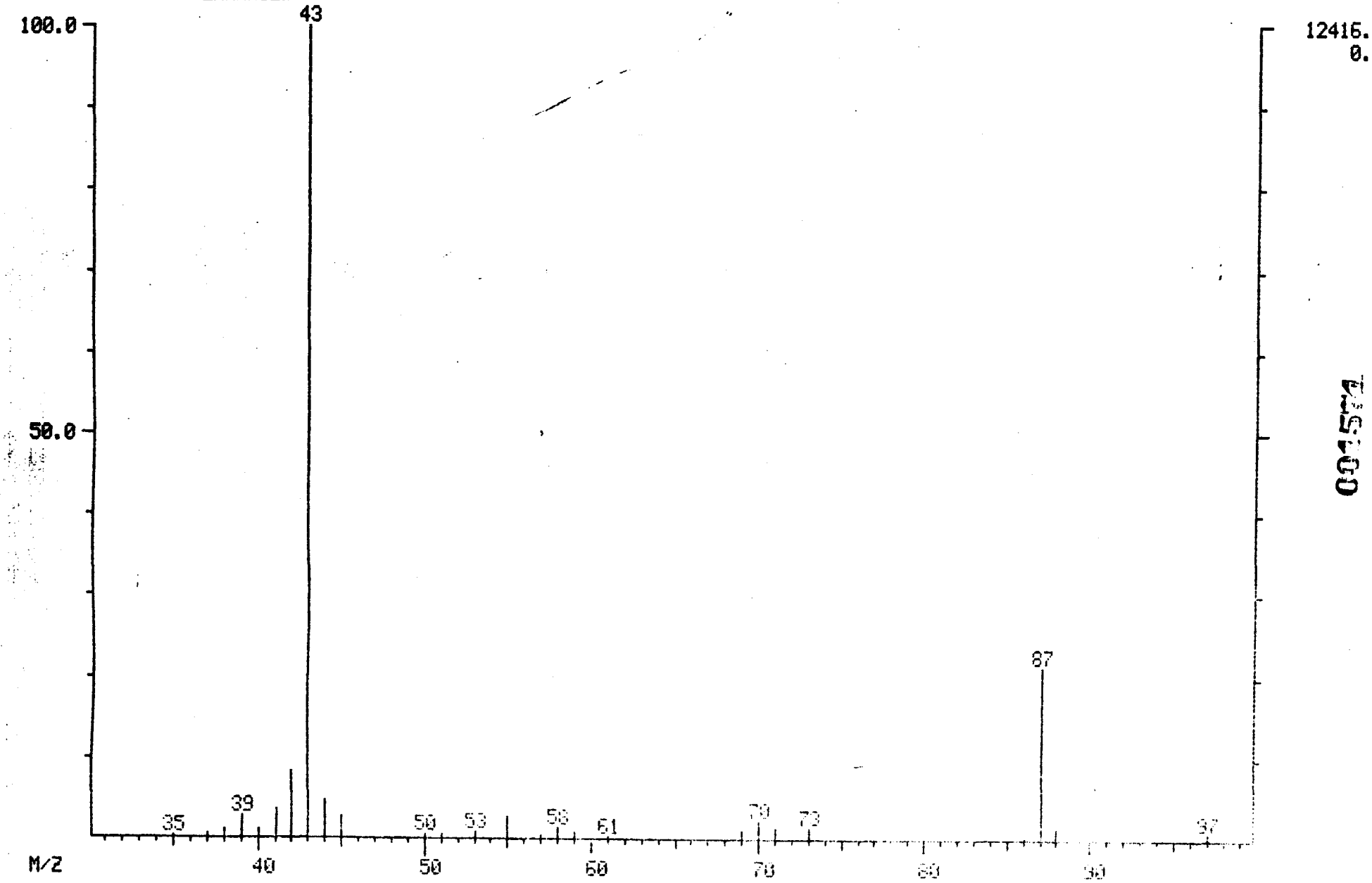


0015170

MASS SPECTRUM
04/22/91 20:59:00 + 11:39
SAMPLE: 90904 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: APR22VG04 #1175
CALI: APR22VG04 #3

BASE M/Z: 43
RIC: 20224.

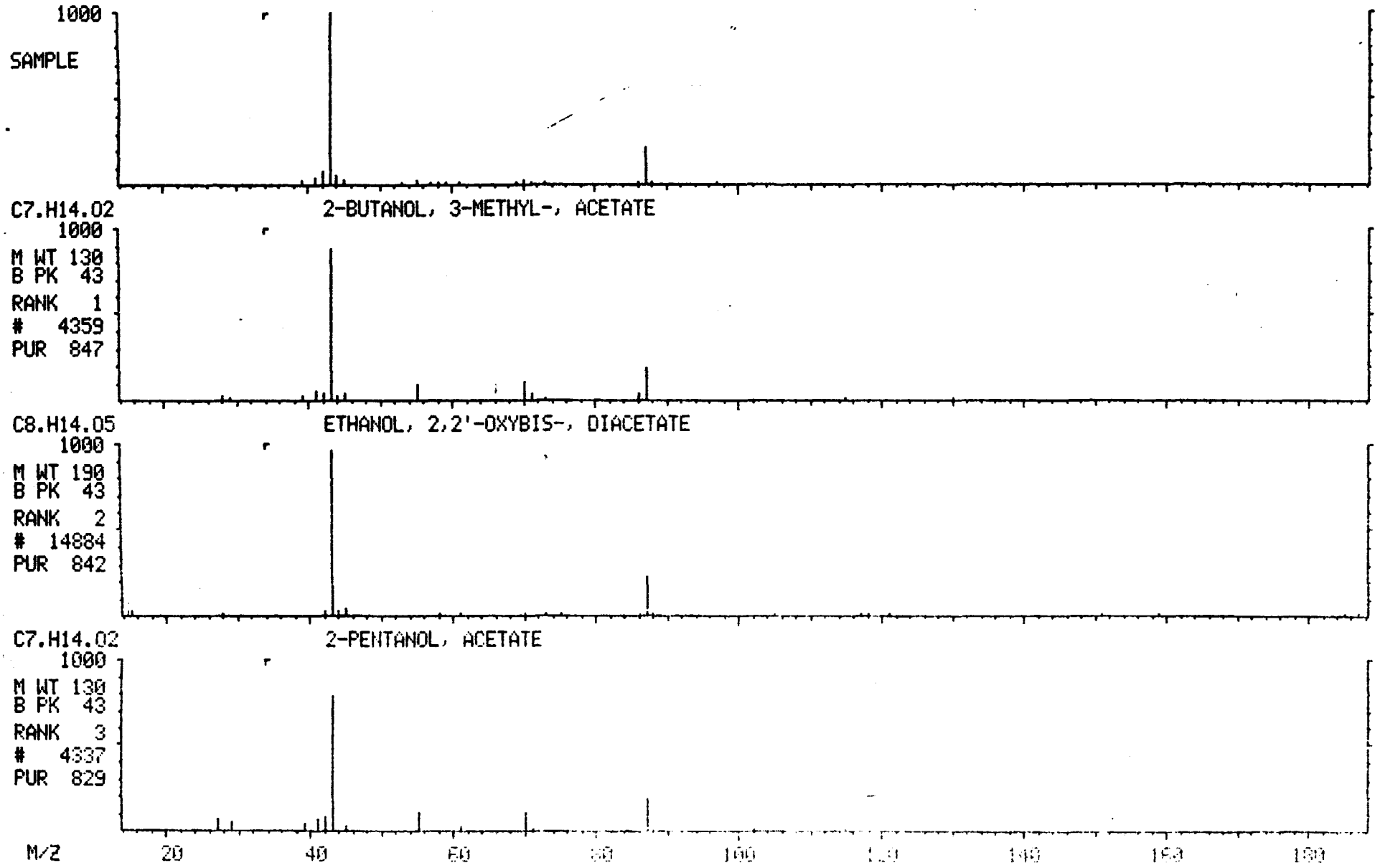


001577

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 11:39
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #1175
CALI: APR22VG04 # 3

BASE M/Z: 43
RIC: 19712.

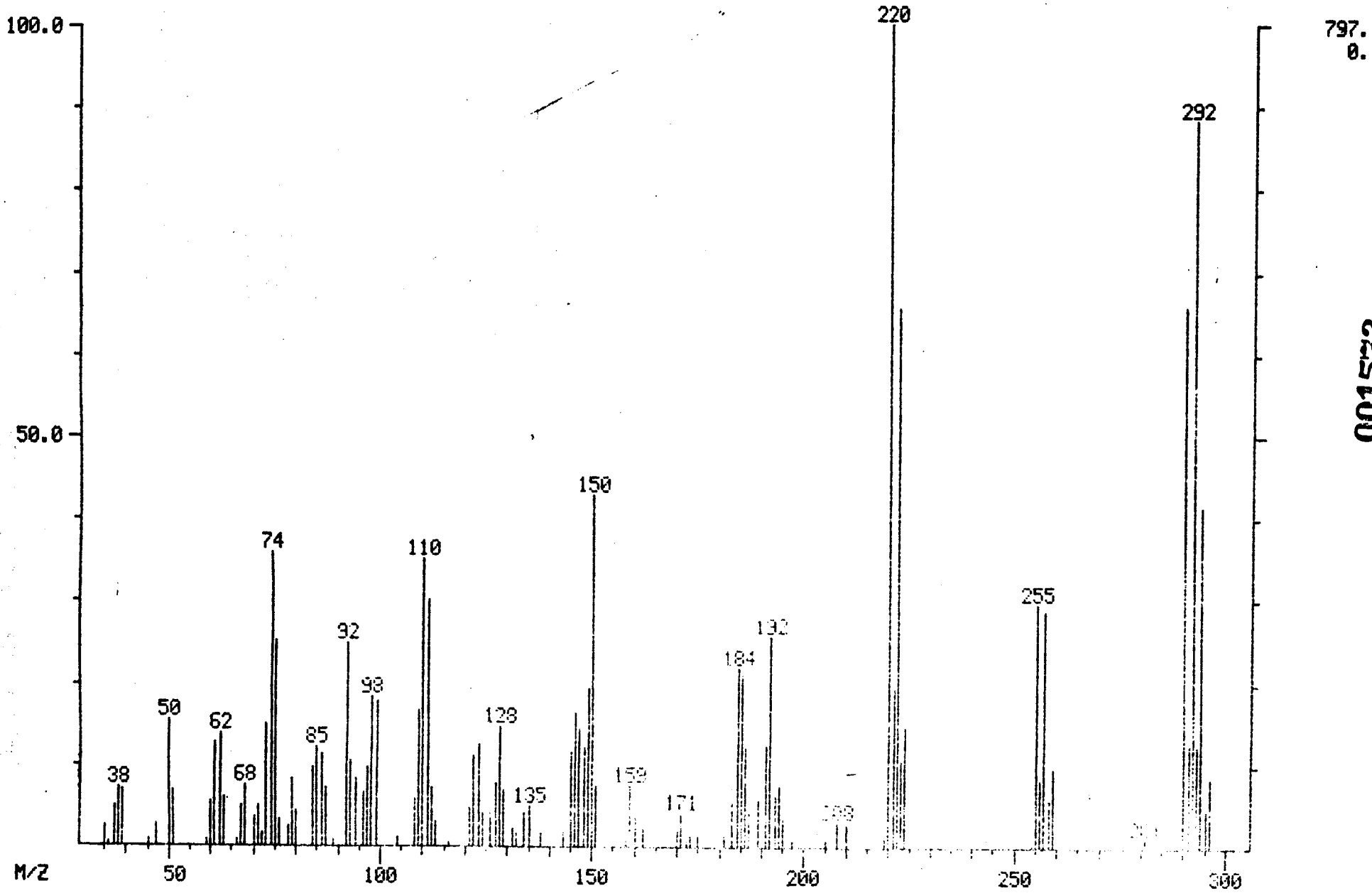


001572

MASS SPECTRUM
04/22/91 20:59:00 + 25:08
SAMPLE: 90904 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: APR22VG04 #2535
CALI: APR22VG04 #3

BASE M/Z: 220
RIC: 10704.

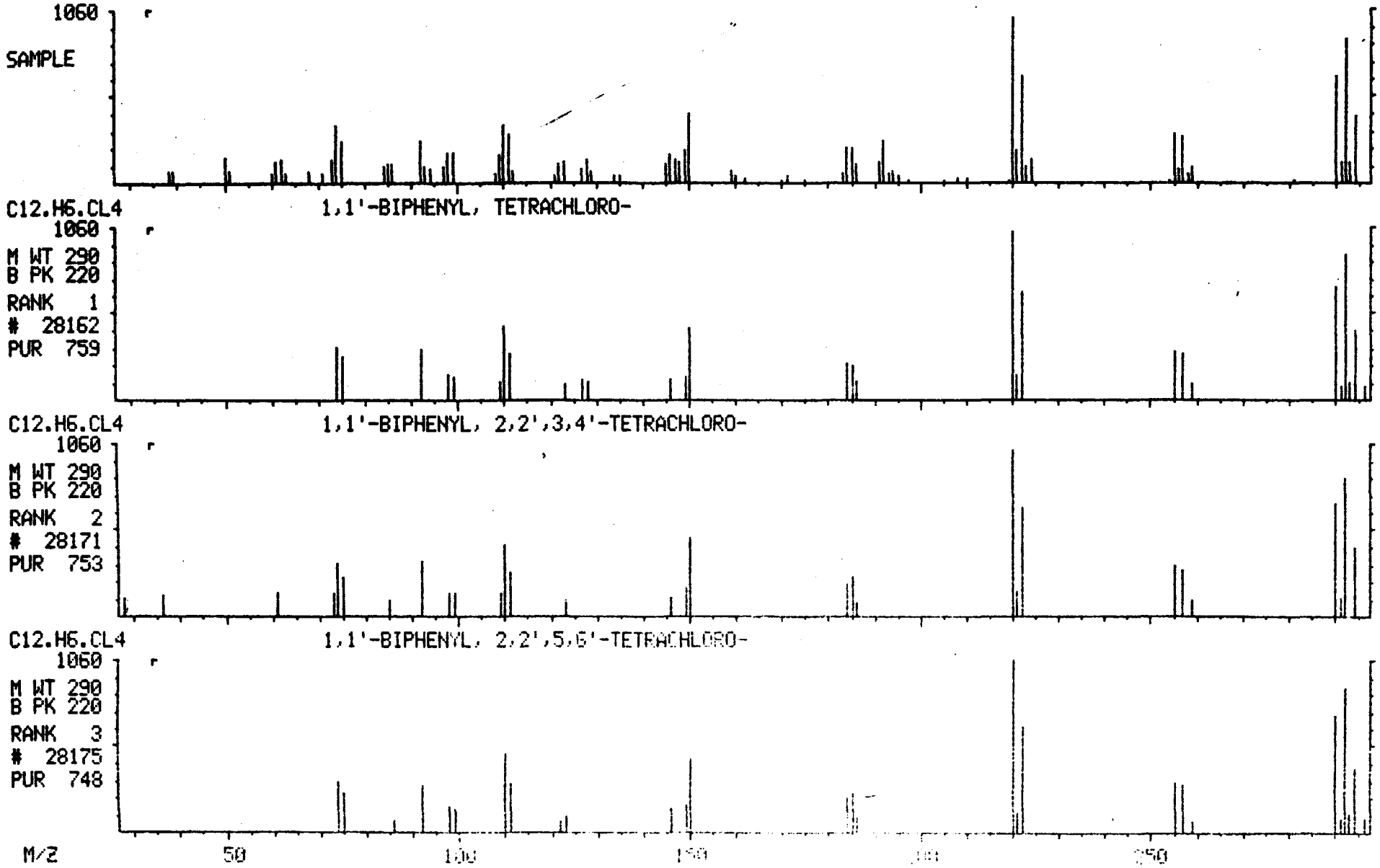


001573

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 25:08
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2535
CALI: APR22VG04 # 3

BASE M/Z: 220
RIC: 9808.

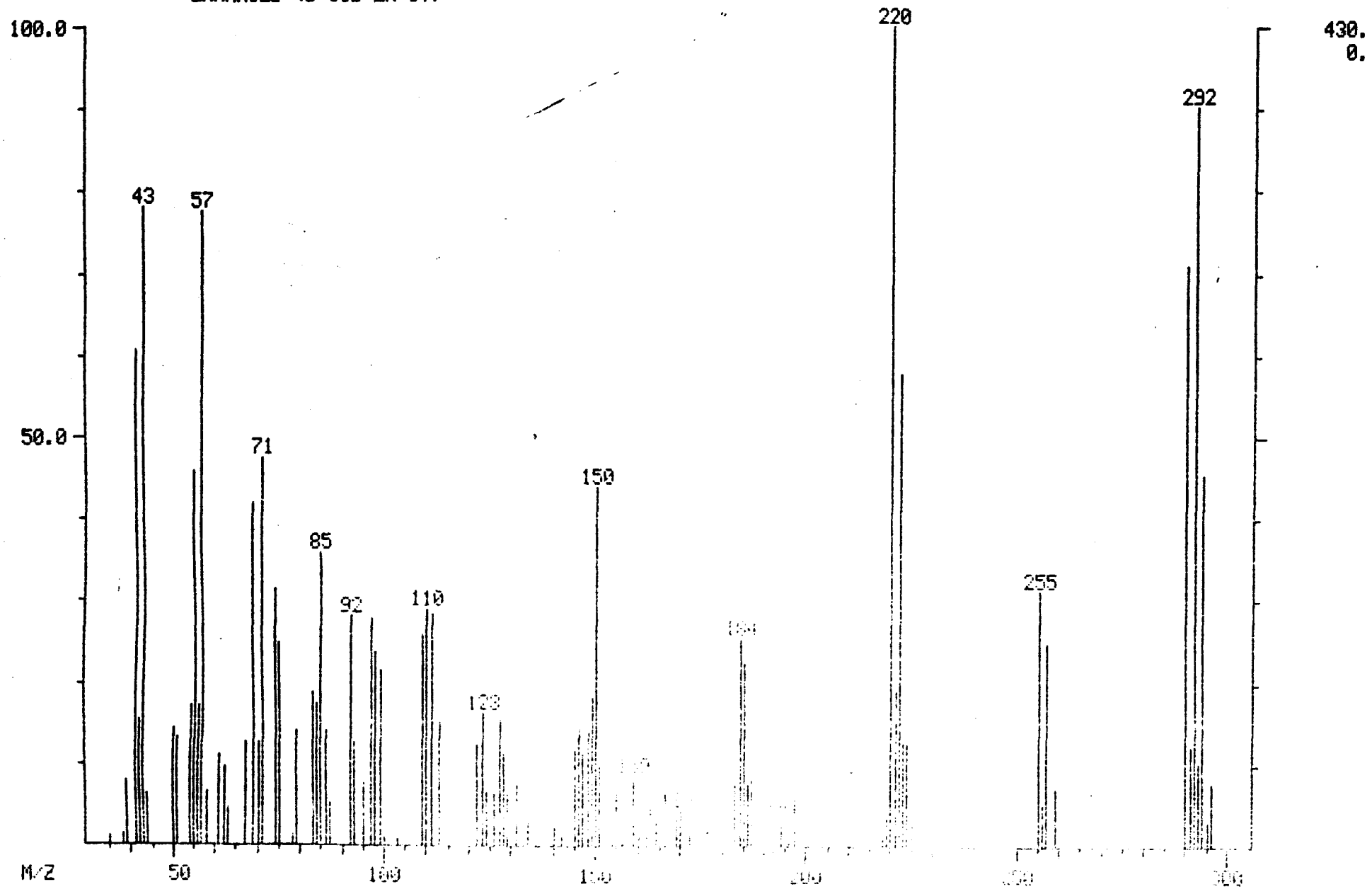


001574

MASS SPECTRUM
04/22/91 20:59:00 + 25:14
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 254 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2545
CALI: APR22VG04 #3

BASE M/Z: 220
RIC: 7568.

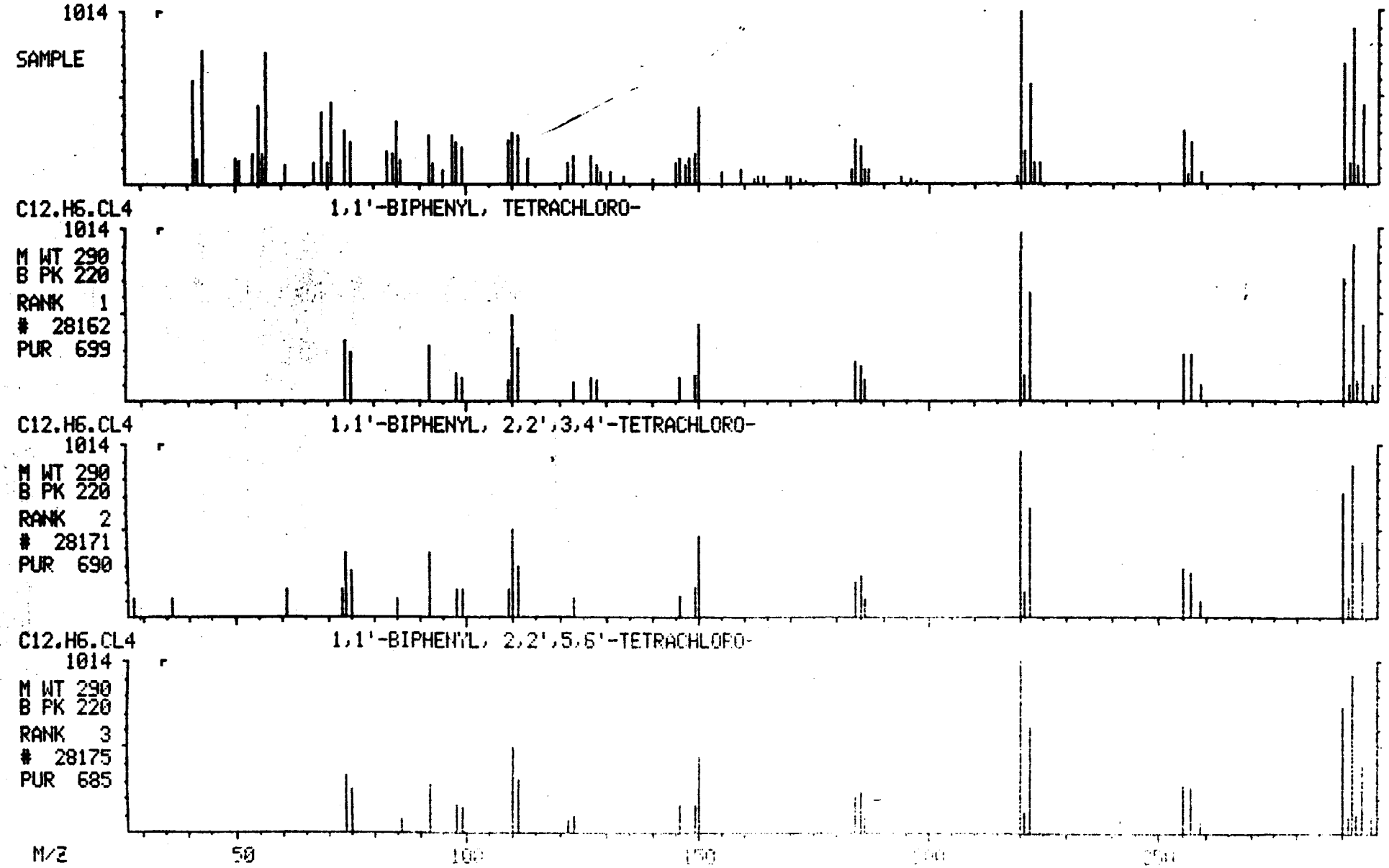


001575

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 25:14
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2545
CALI: APR22VG04 # 3

BASE M/Z: 220
RIC: 7104.

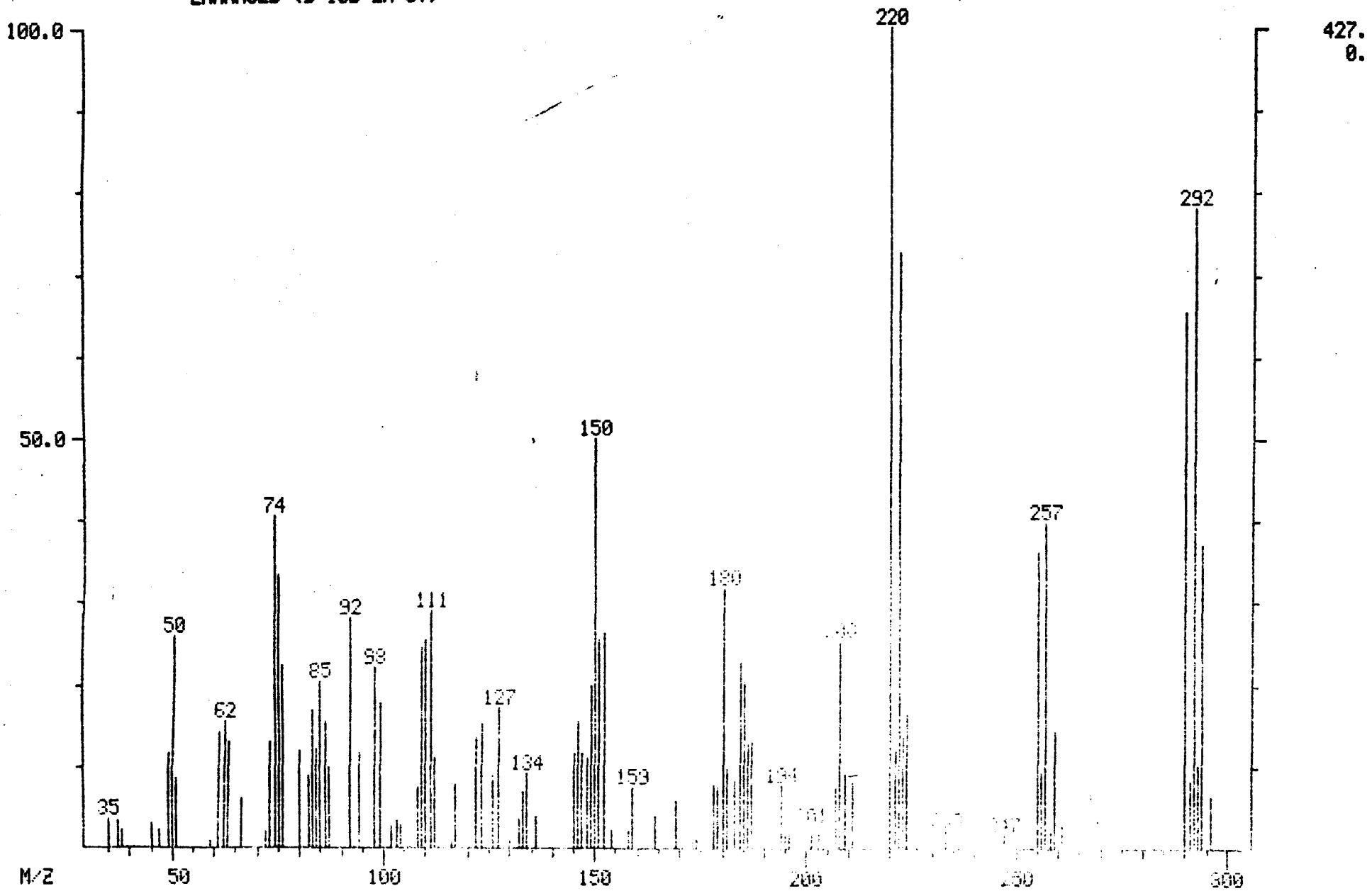


001576

MASS SPECTRUM
04/22/91 20:59:00 + 25:36
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 258 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2583
CALI: APR22VG04 #3

BASE M/Z: 220
RIC: 6480.



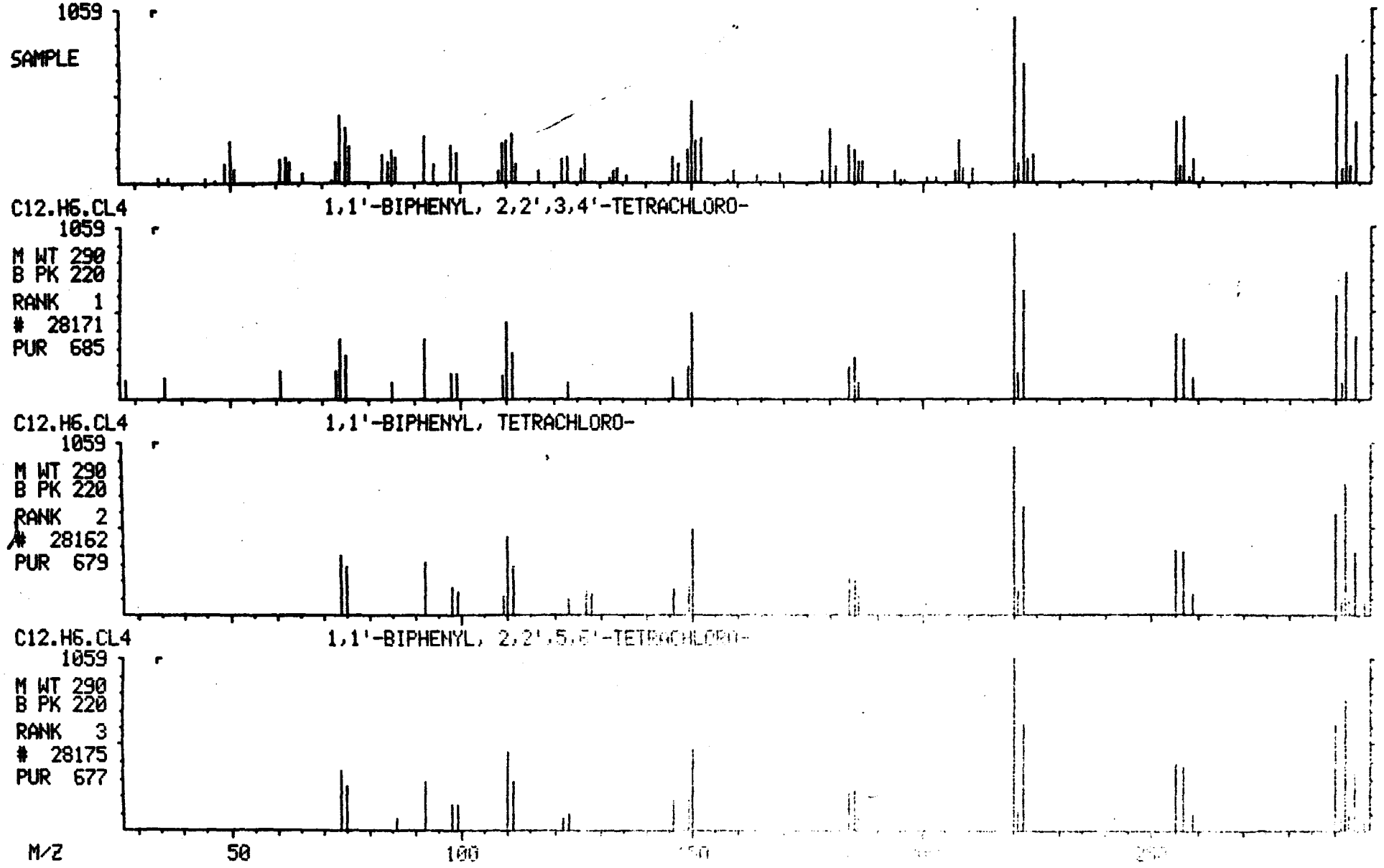
9222500042

001577

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 25:36
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2583
CALI: APR22VG04 # 3

BASE M/Z: 220
RIC: 6088.

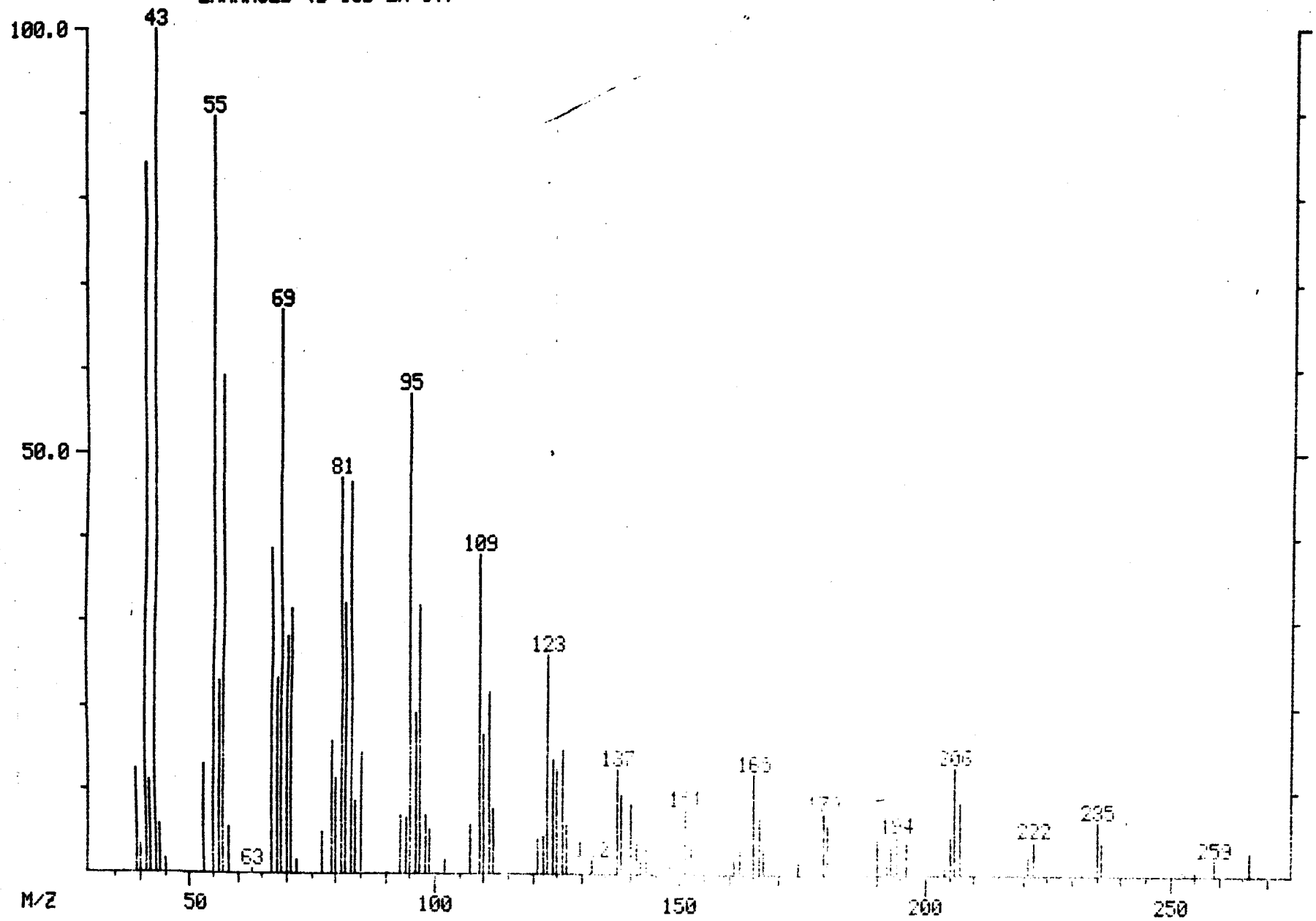


001578

MASS SPECTRUM
04/22/91 20:59:00 + 26:03
SAMPLE: 90904 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: APR22VG04 #2628
CALI: APR22VG04 #3

BASE M/Z: 43
RIC: 11888.

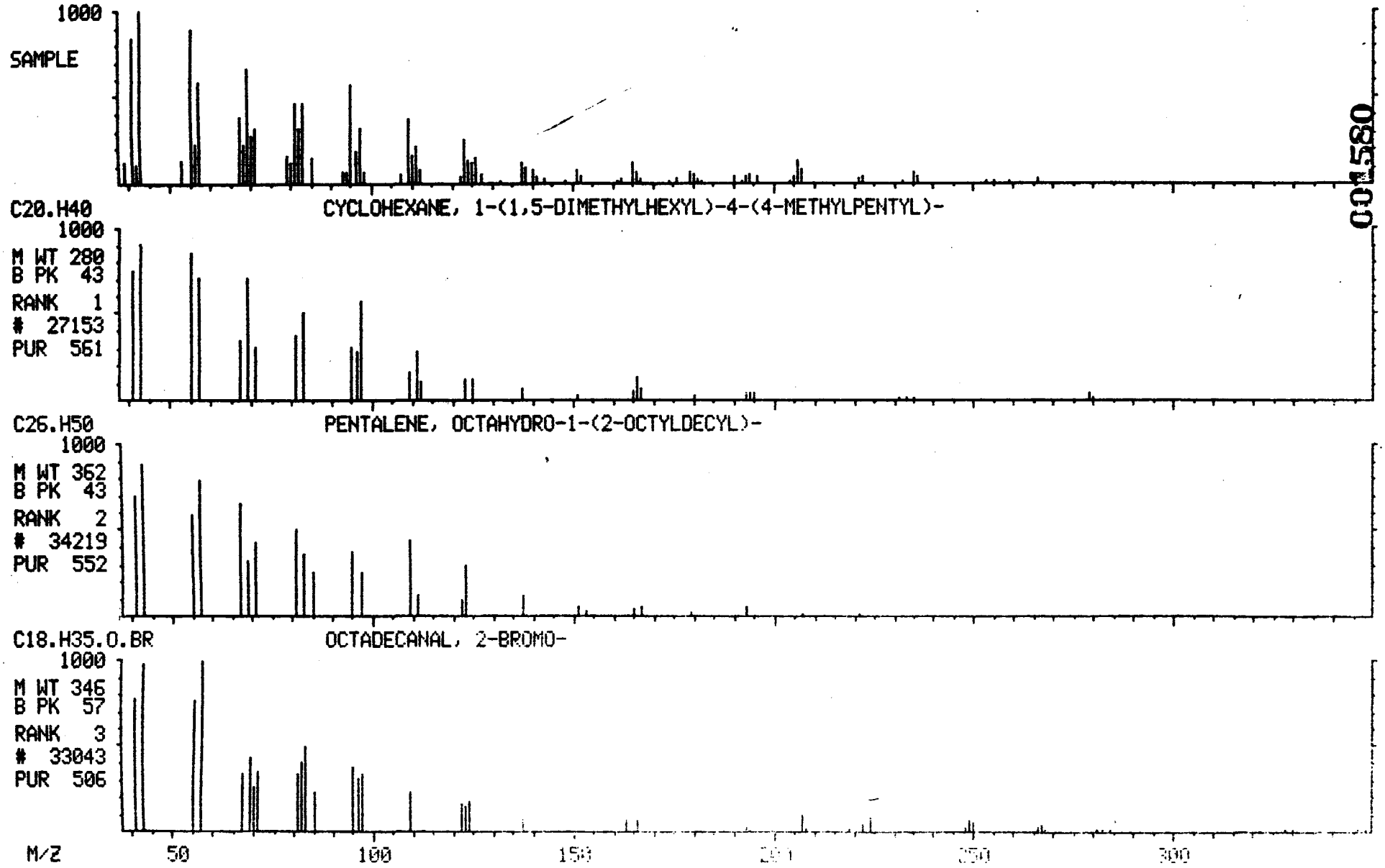


001579

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 26:03
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2628
CALI: APR22VG04 # 3

BASE M/Z: 43
RIC: 11472.



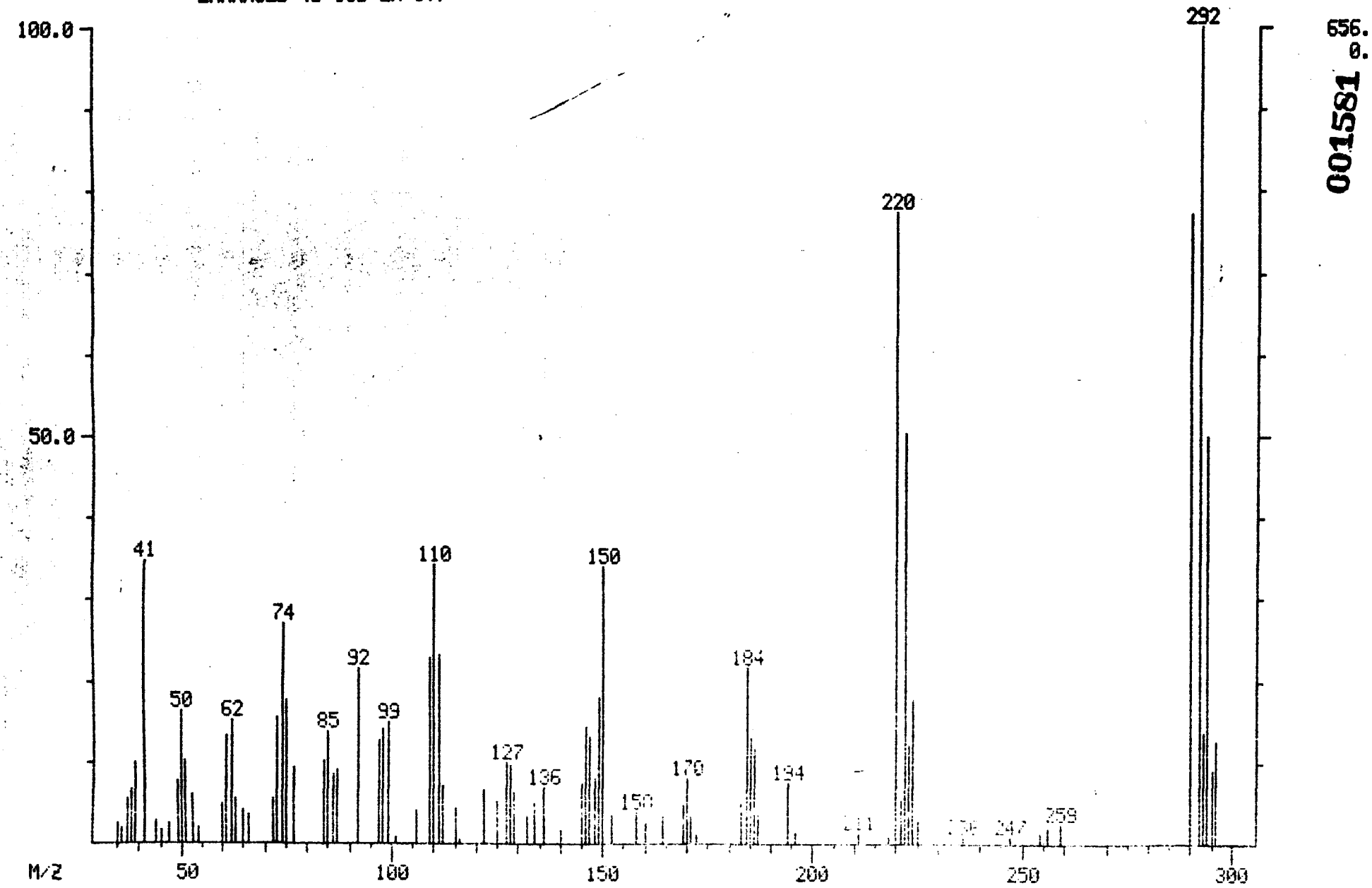
7 2 2 6 0 0 0 3 4 5

001580

MASS SPECTRUM
04/22/91 20:59:00 + 26:26
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 266 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2666
CALI: APR22VG04 #3

BASE M/Z: 292
RIC: 7368.

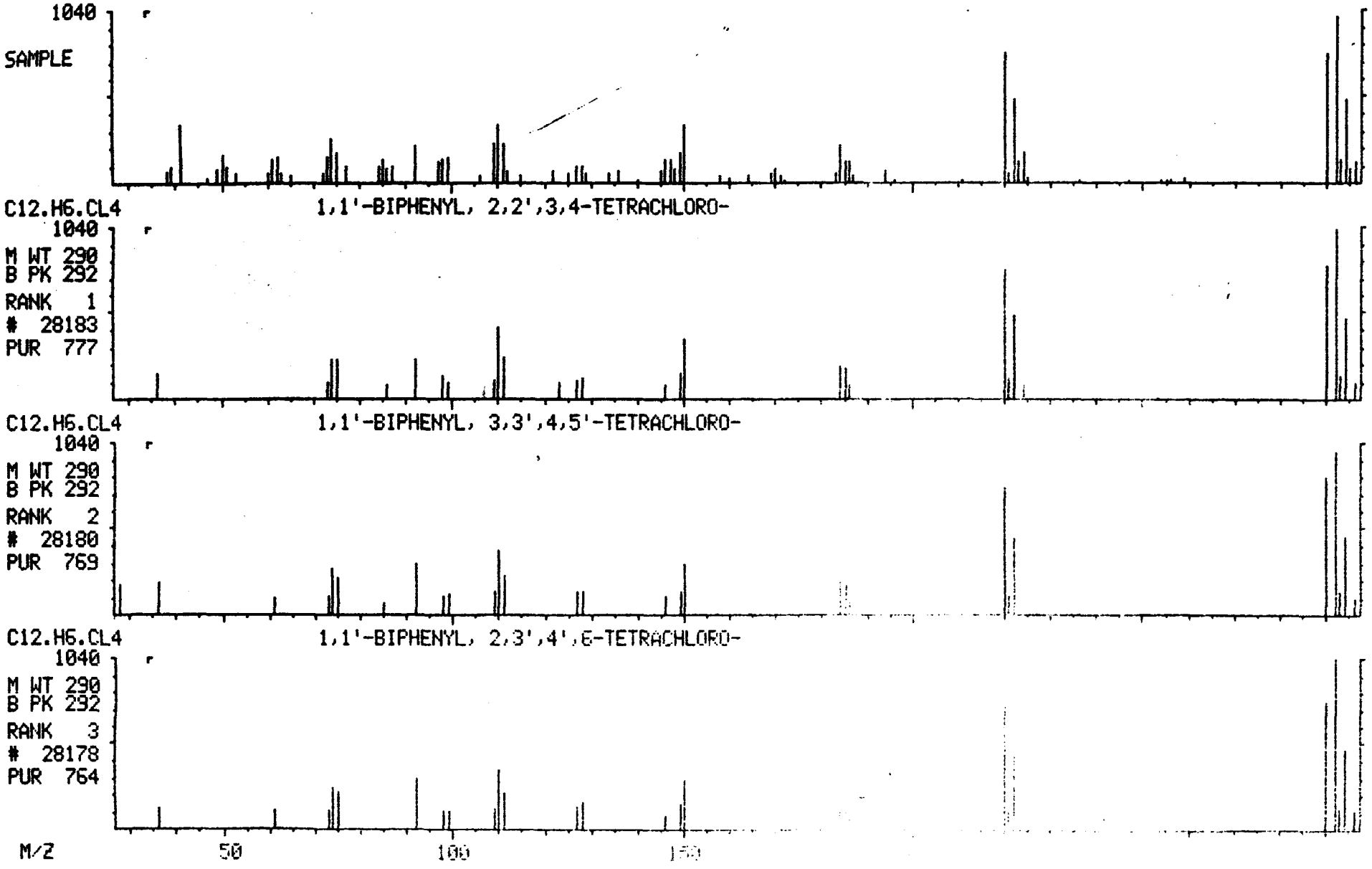


001581

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 26:26
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2666
CALI: APR22VG04 # 3

BASE M/Z: 292
RIC: 7168.

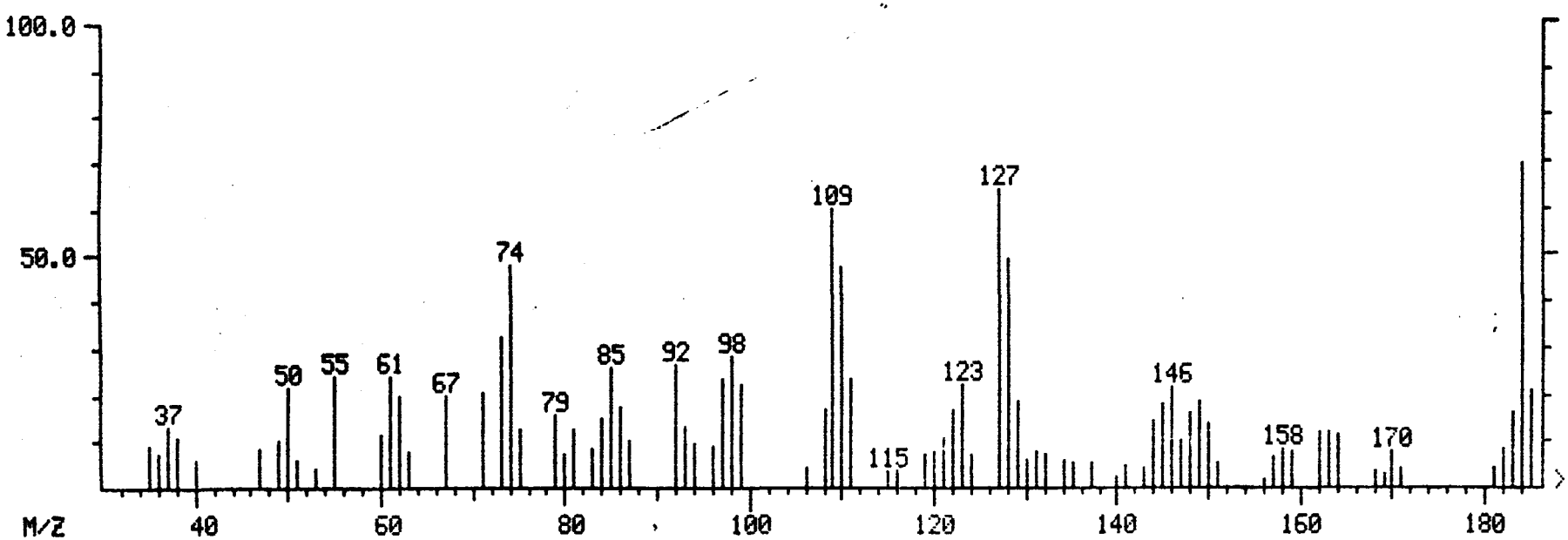


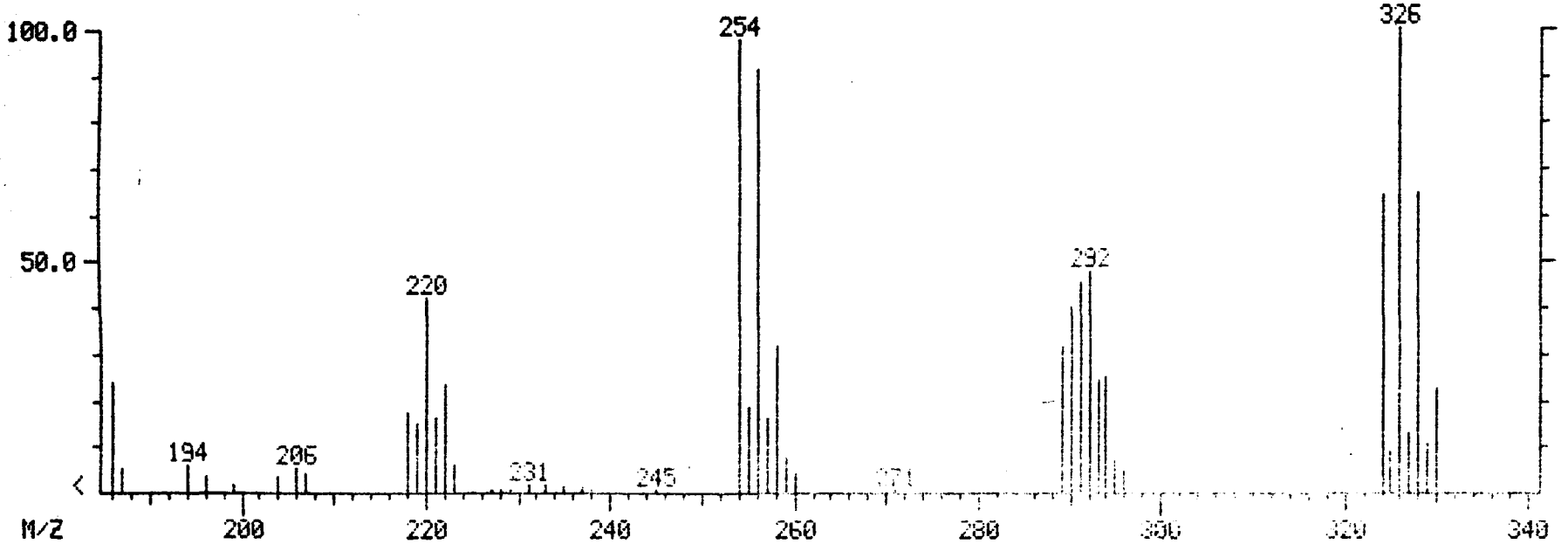
001582

MASS SPECTRUM
04/22/91 20:59:00 + 26:32
SAMPLE: 90904 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: APR22VG04 #2677
CALI: APR22VG04 #3

BASE M/Z: 326
RIC: 17760.



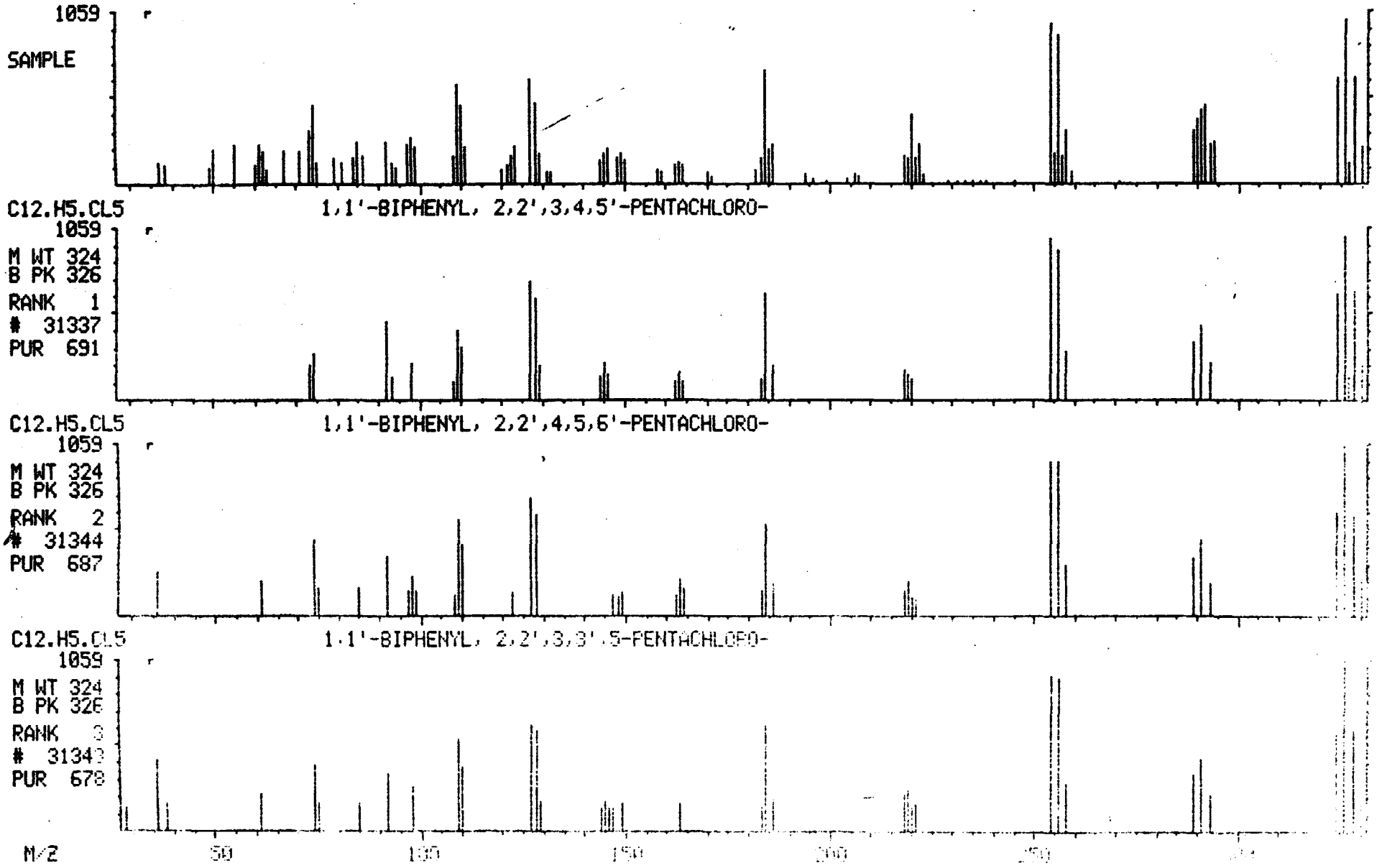


001583

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 26:32
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2677
CALI: APR22VG04 # 3

BASE M/Z: 326
RIC: 16048.



001584

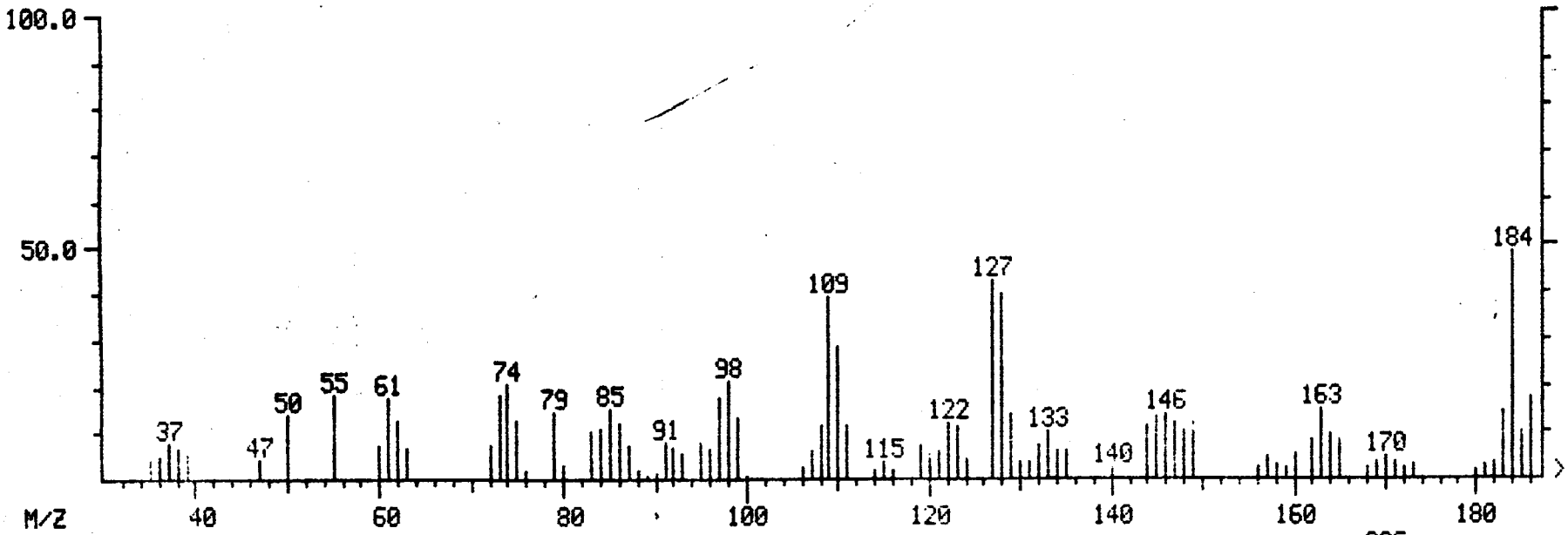
9 2 2 2 6 U U U 5 4 7

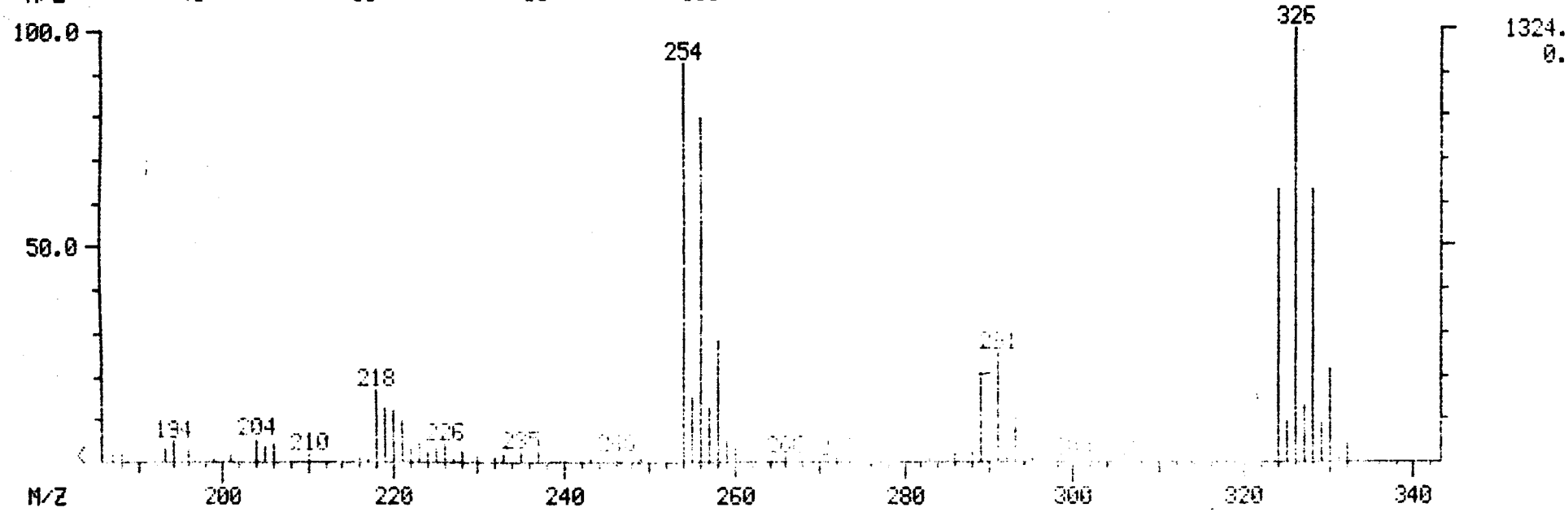
MASS SPECTRUM
04/22/91 20:59:00 + 26:59
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 272 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2722
CALI: APR22VG04 #3

BASE M/Z: 326
RIC: 20992.

001585

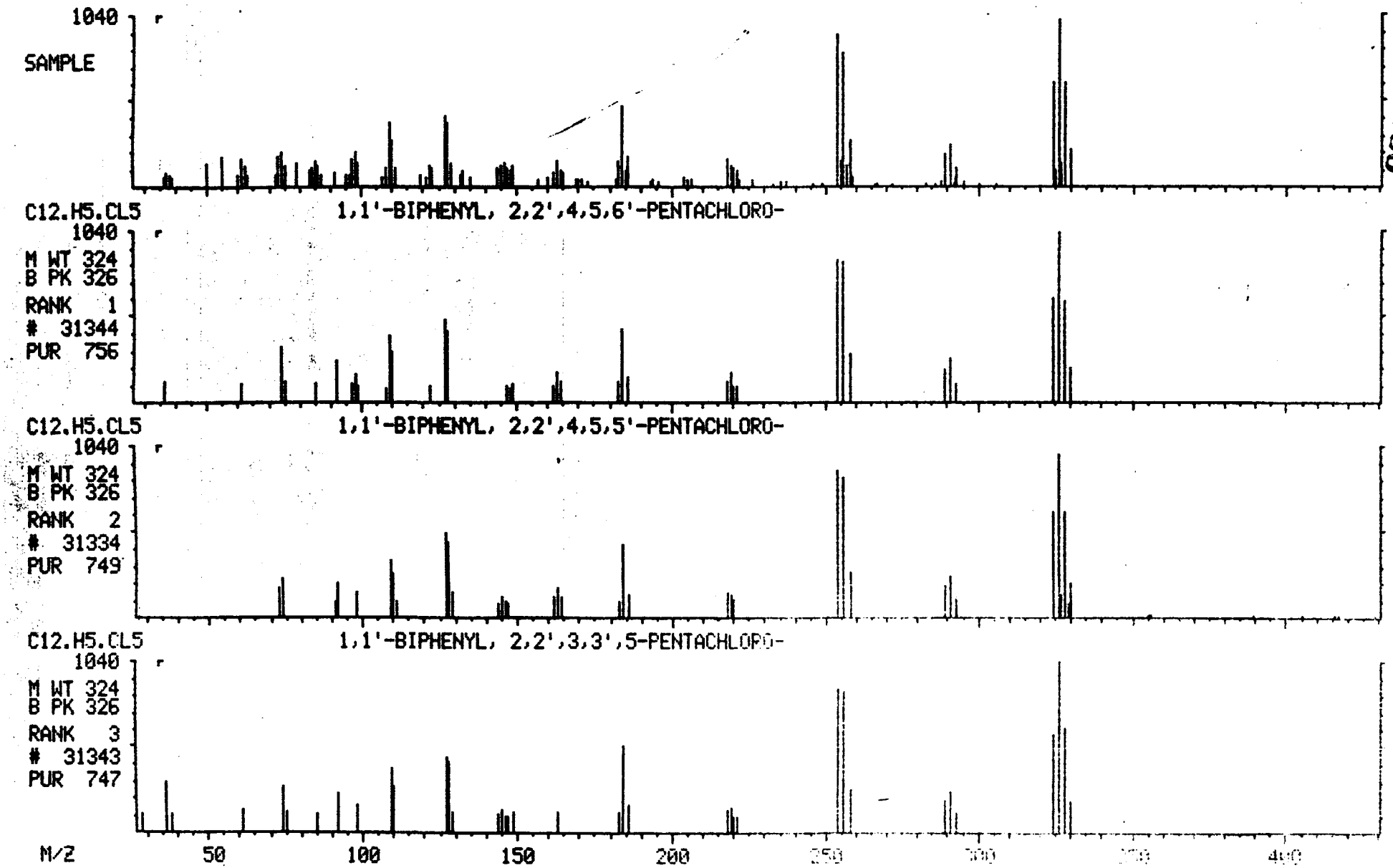




MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 26:59
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2722
CALI: APR22VG04 # 3

BASE M/Z: 326
RIC: 19264.

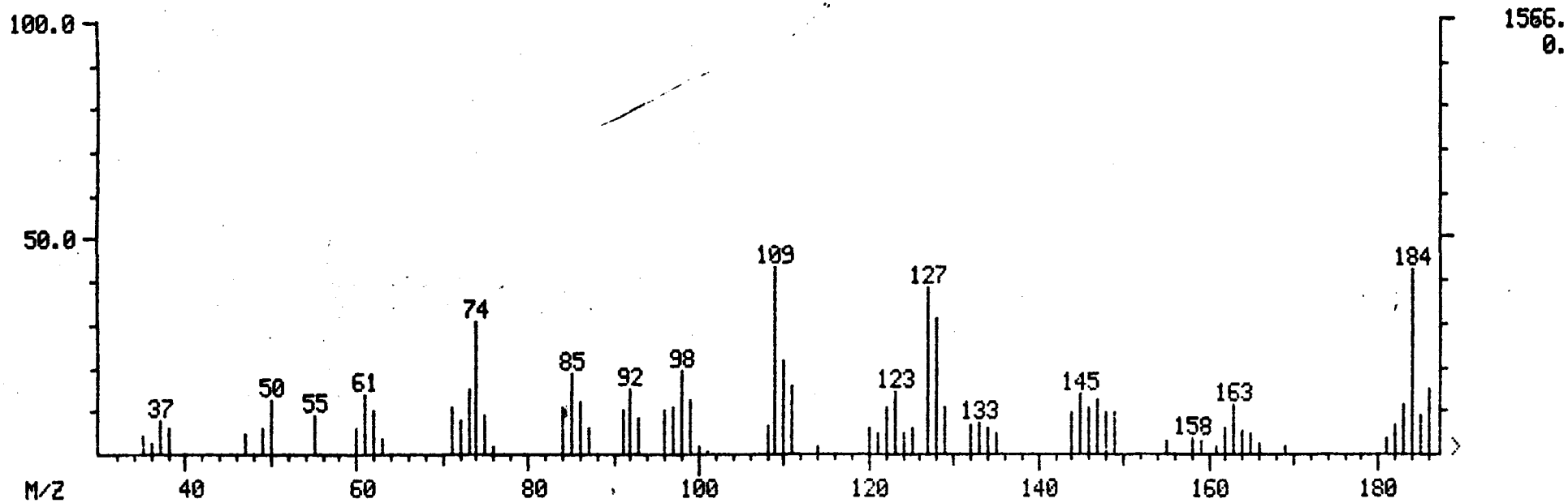


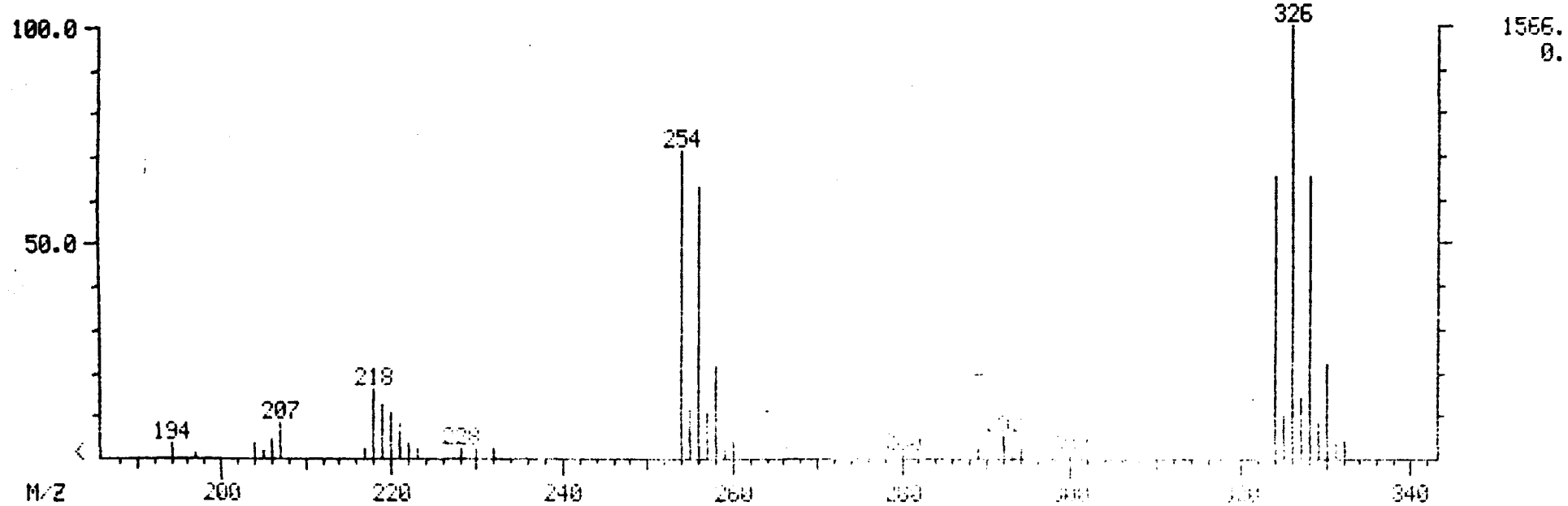
001586

MASS SPECTRUM
04/22/91 20:59:00 + 27:47
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 279 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2803
CALI: APR22VG04 #3

BASE M/Z: 326
RIC: 20608.



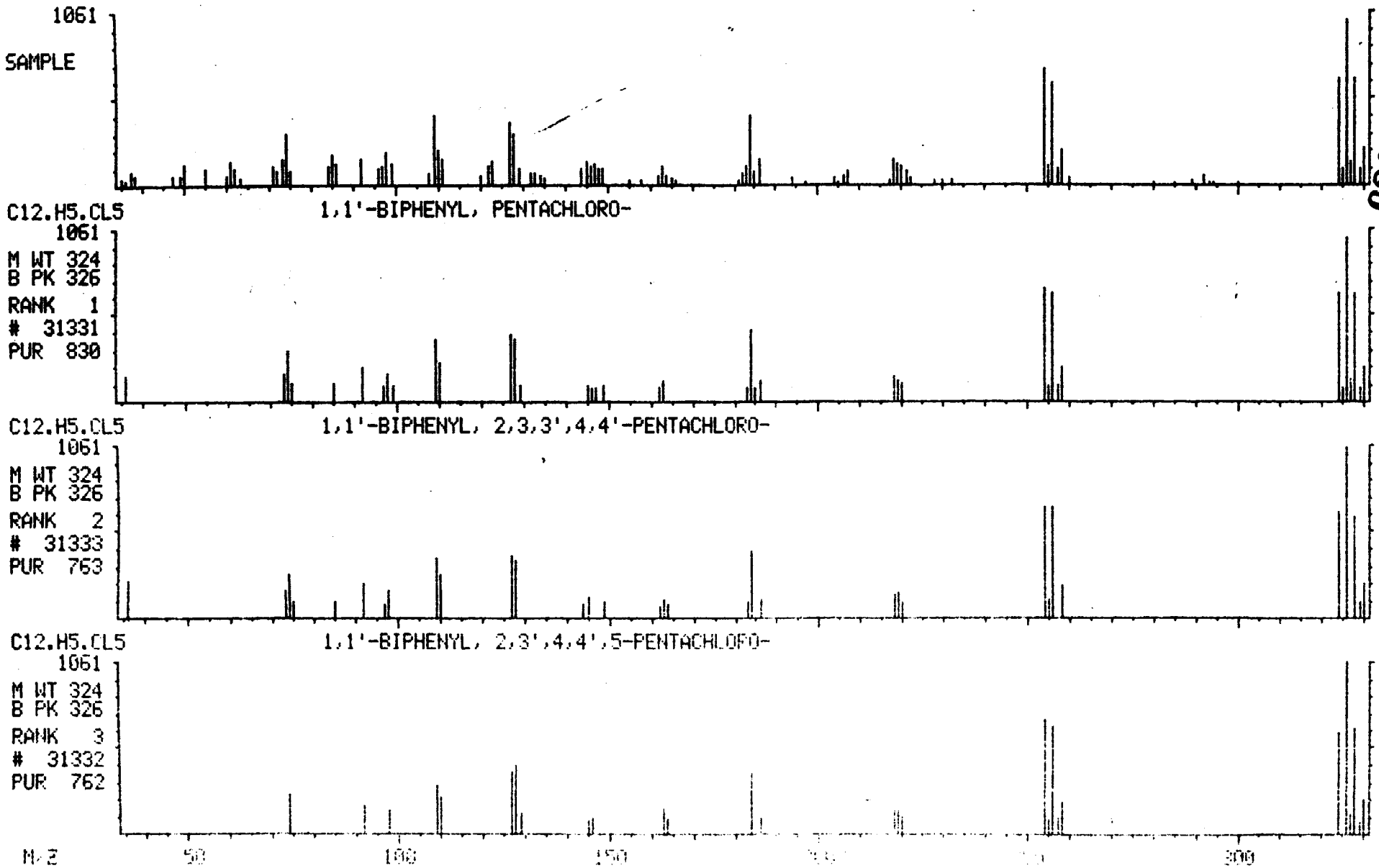


001557

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 27:47
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2803
CALI: APR22VG04 # 3

BASE M/Z: 326
RIC: 19520.

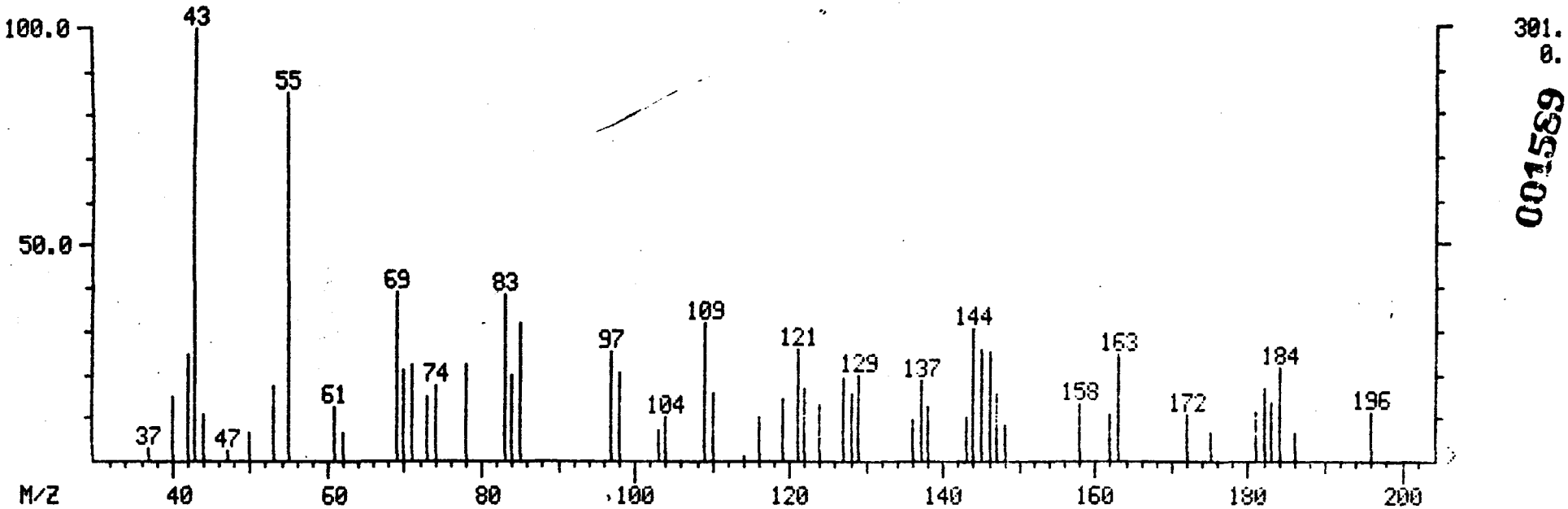


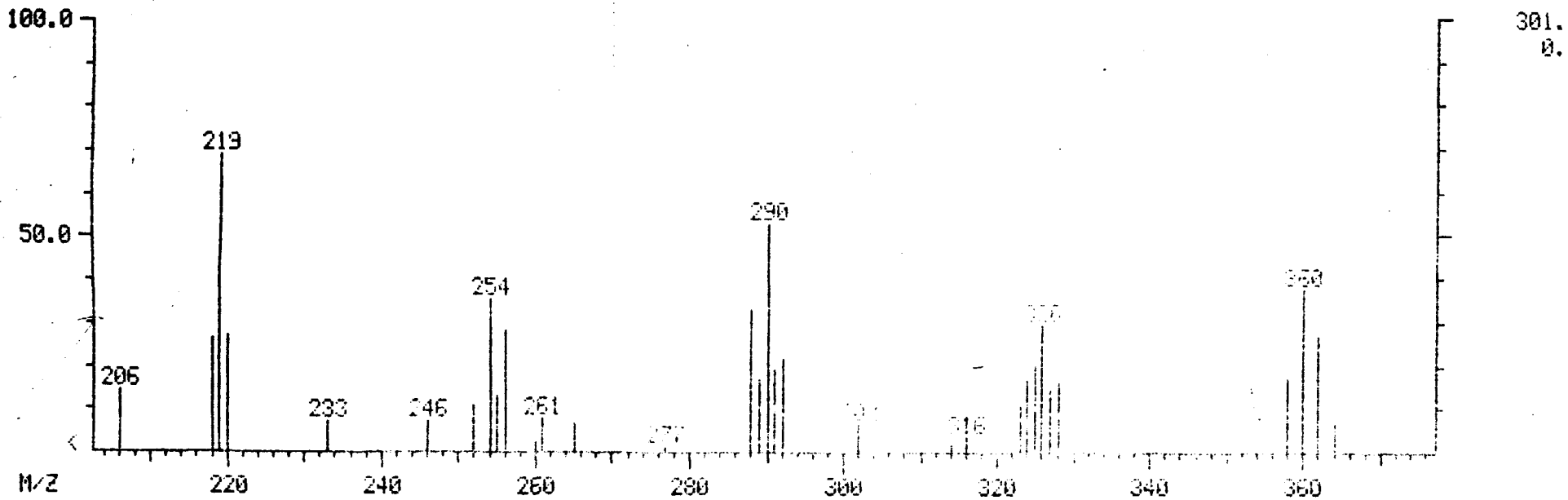
001588

MASS SPECTRUM
04/22/91 20:59:00 + 28:02
SAMPLE: 90904 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: APR22VG04 #2829
CALI: APR22VG04 #3

BASE M/Z: 43
RIC: 5056.



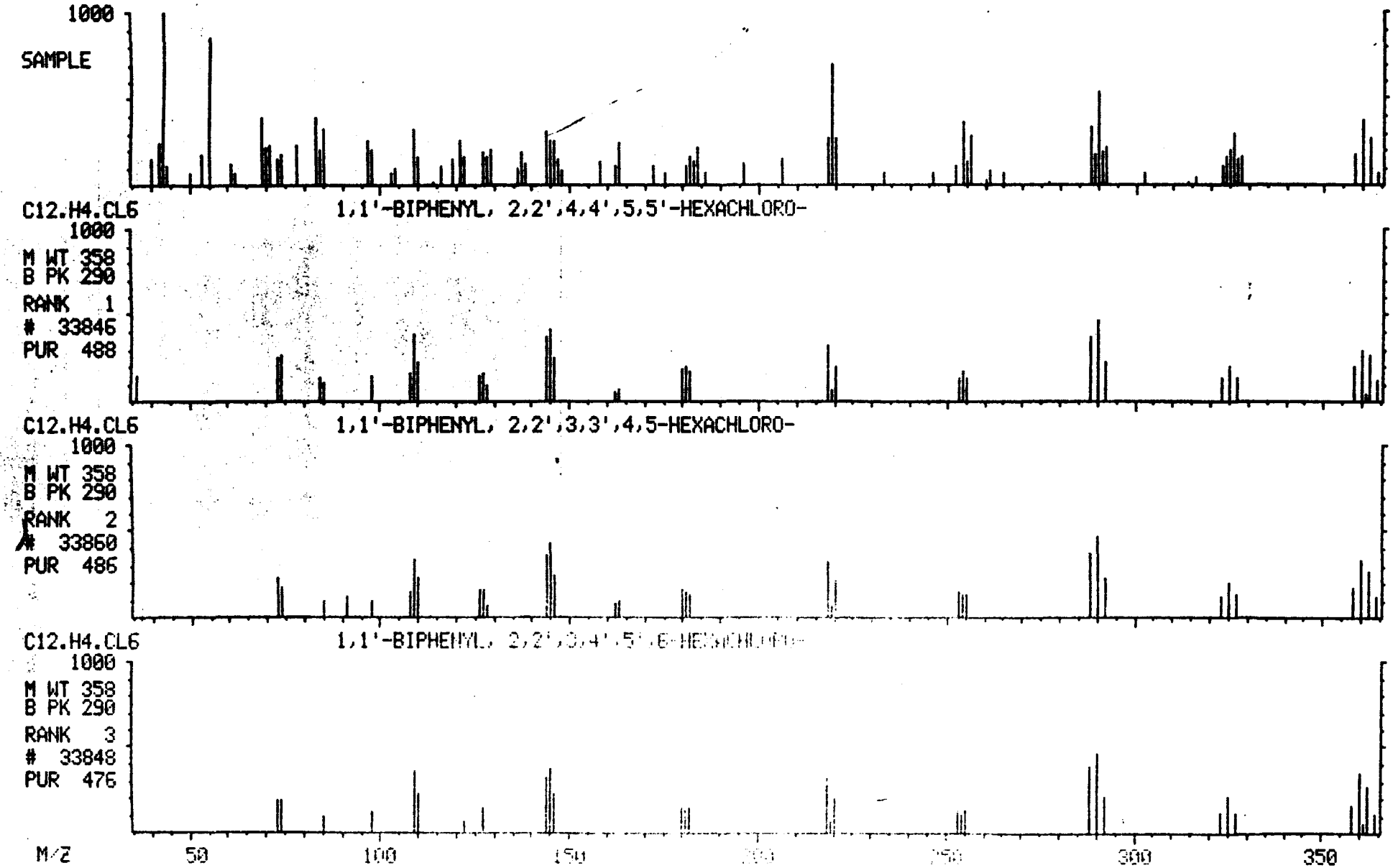


001589

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 28:02
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2829
CALI: APR22VG04 # 3

BASE M/Z: 43
RIC: 4968.

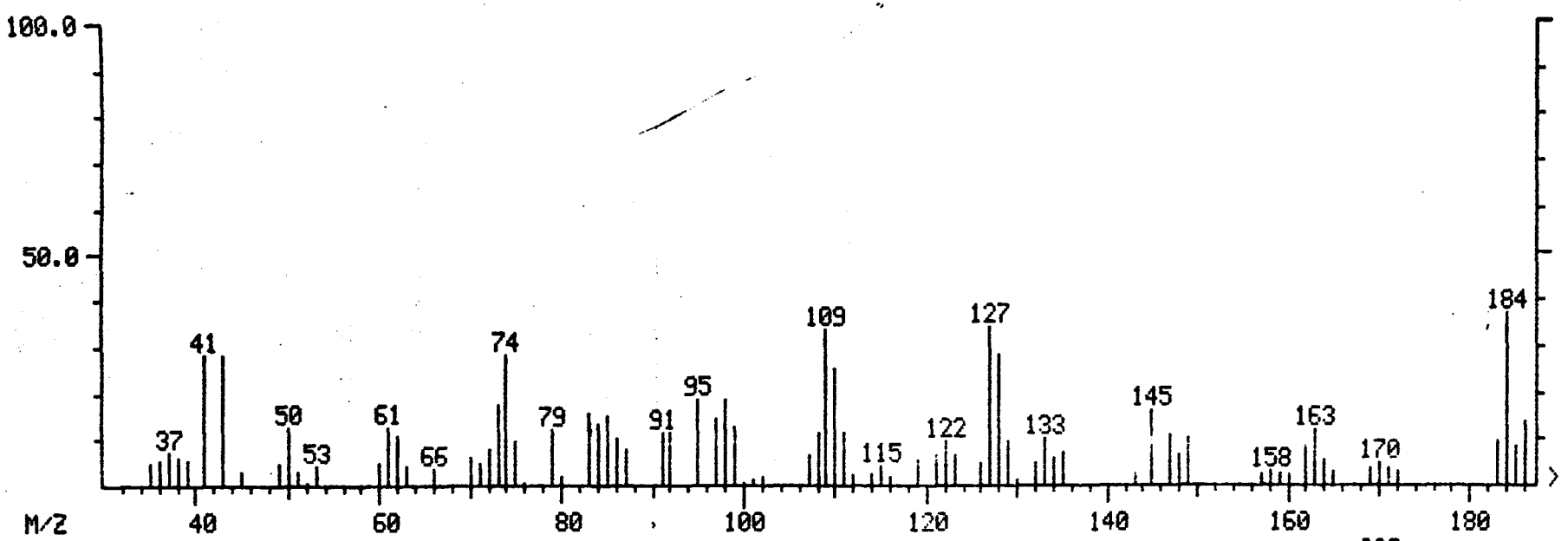


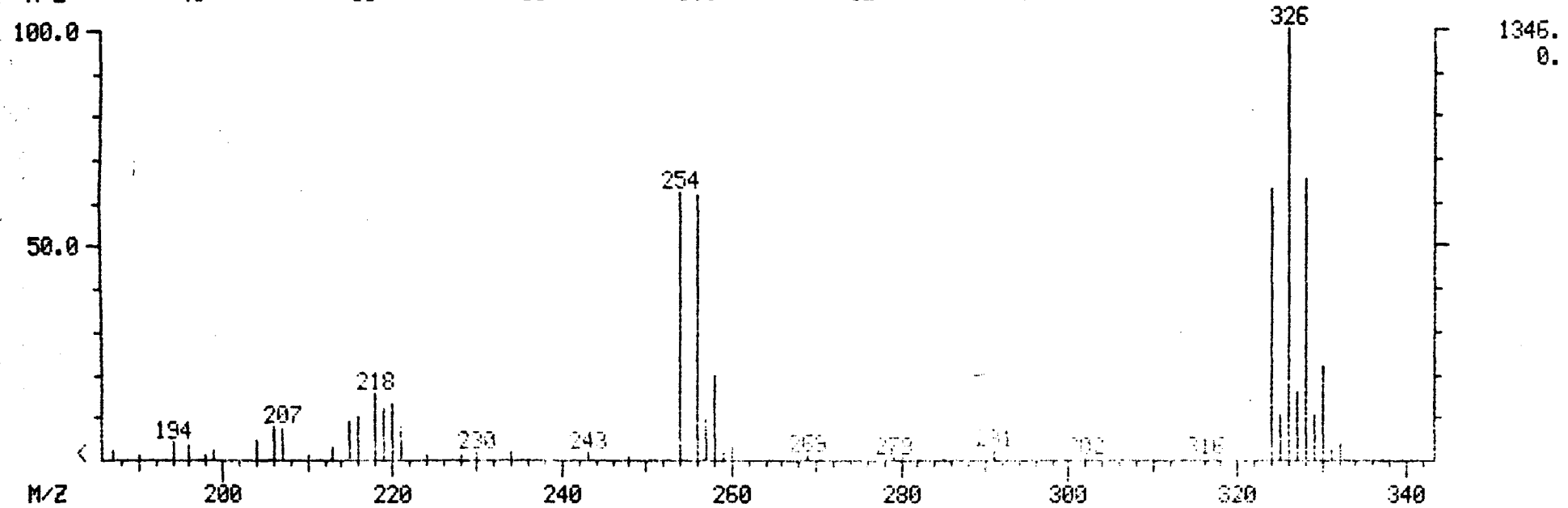
001590

MASS SPECTRUM
04/22/91 20:59:00 + 28:20
SAMPLE: 90904 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: APR22VG04 #2858
CALI: APR22VG04 #3

BASE M/Z: 326
RIC: 18432.



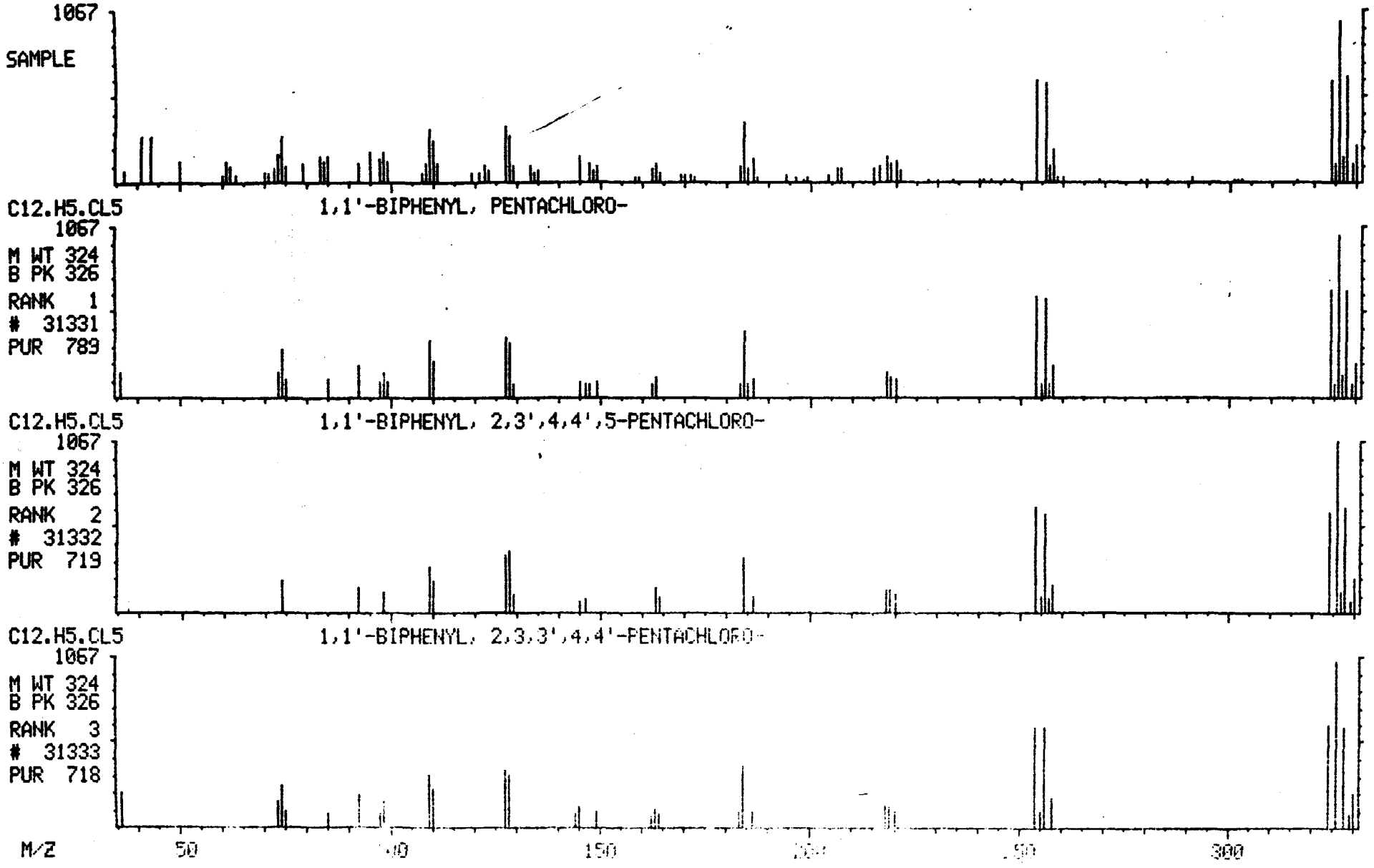


00015910

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 28:20
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2858
CALI: APR22VG04 # 3

BASE M/Z: 326
RIC: 16800.

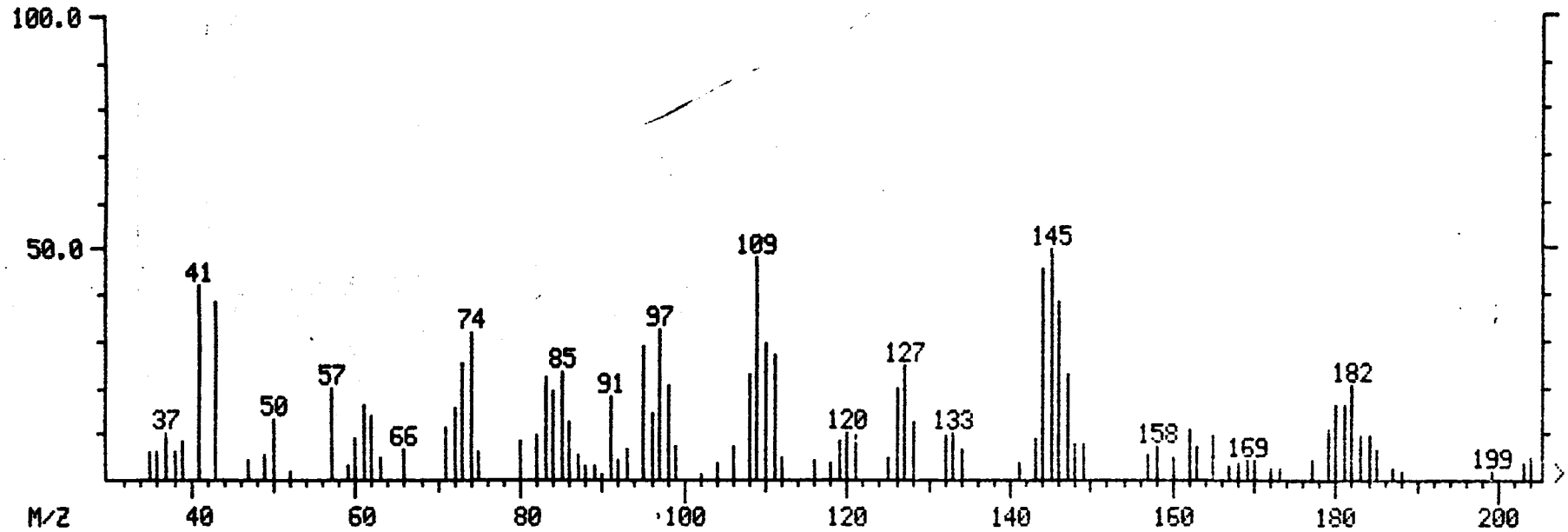


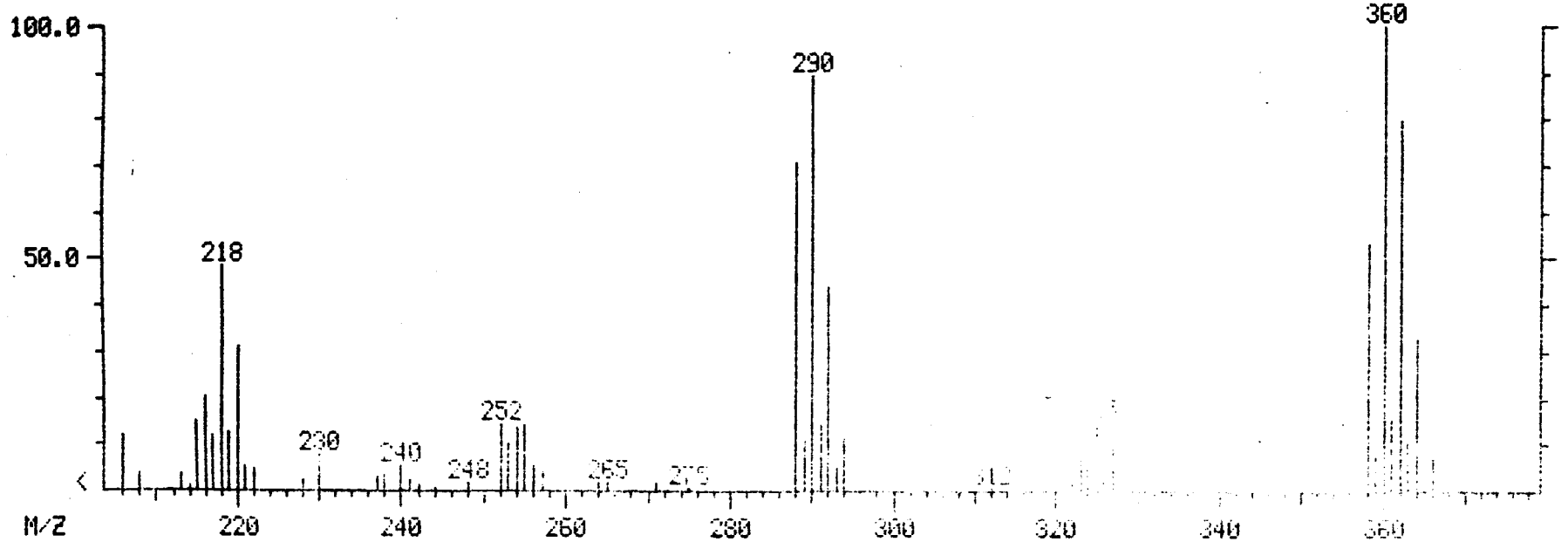
001592

MASS SPECTRUM
04/22/91 20:59:00 + 28:49
SAMPLE: 90904 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: APR22VG04 #2908
CALI: APR22VG04 #3

BASE M/Z: 360
RIC: 16272.





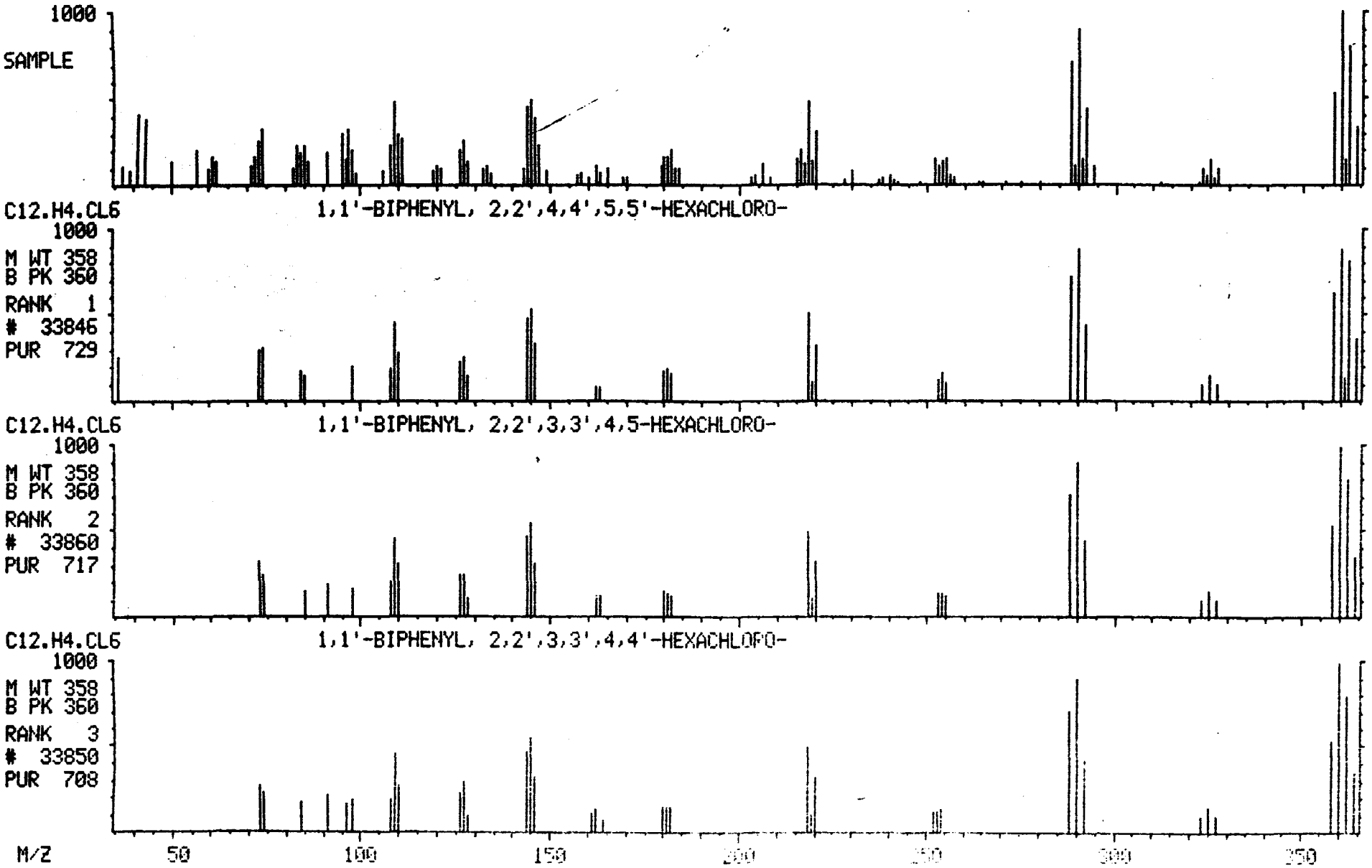
9 2 2 6 0 0 0 3 5 8

001593

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 28:49
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2908
CALI: APR22VG04 # 3

BASE M/Z: 360
RIC: 14704.

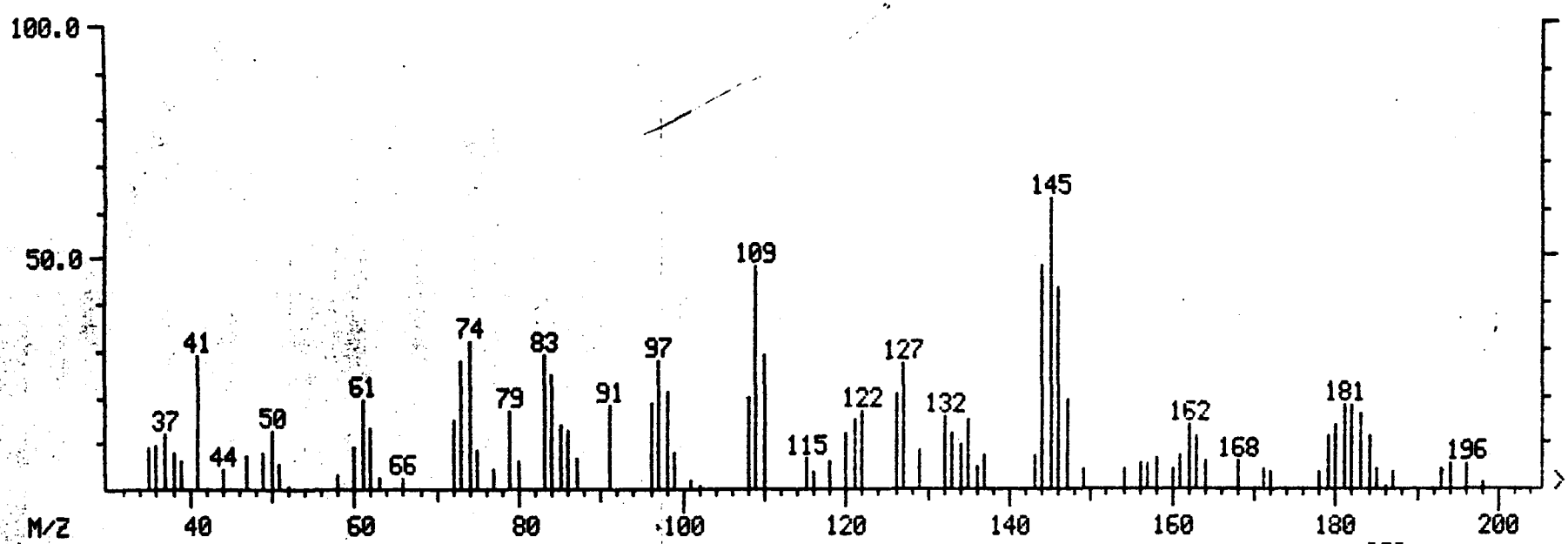


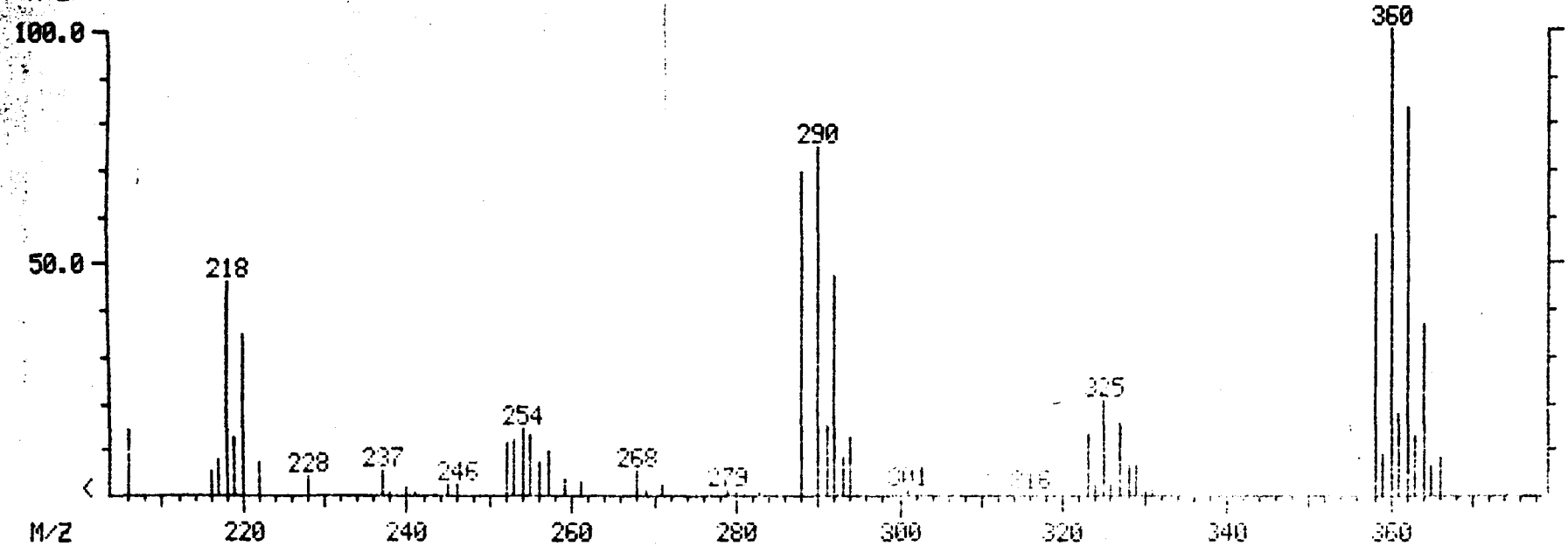
001594

MASS SPECTRUM
04/22/91 20:59:00 + 29:35
SAMPLE: 90904 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: APR22VG04 #2984
CALI: APR22VG04 #3

BASE M/Z: 360
RIC: 13504.





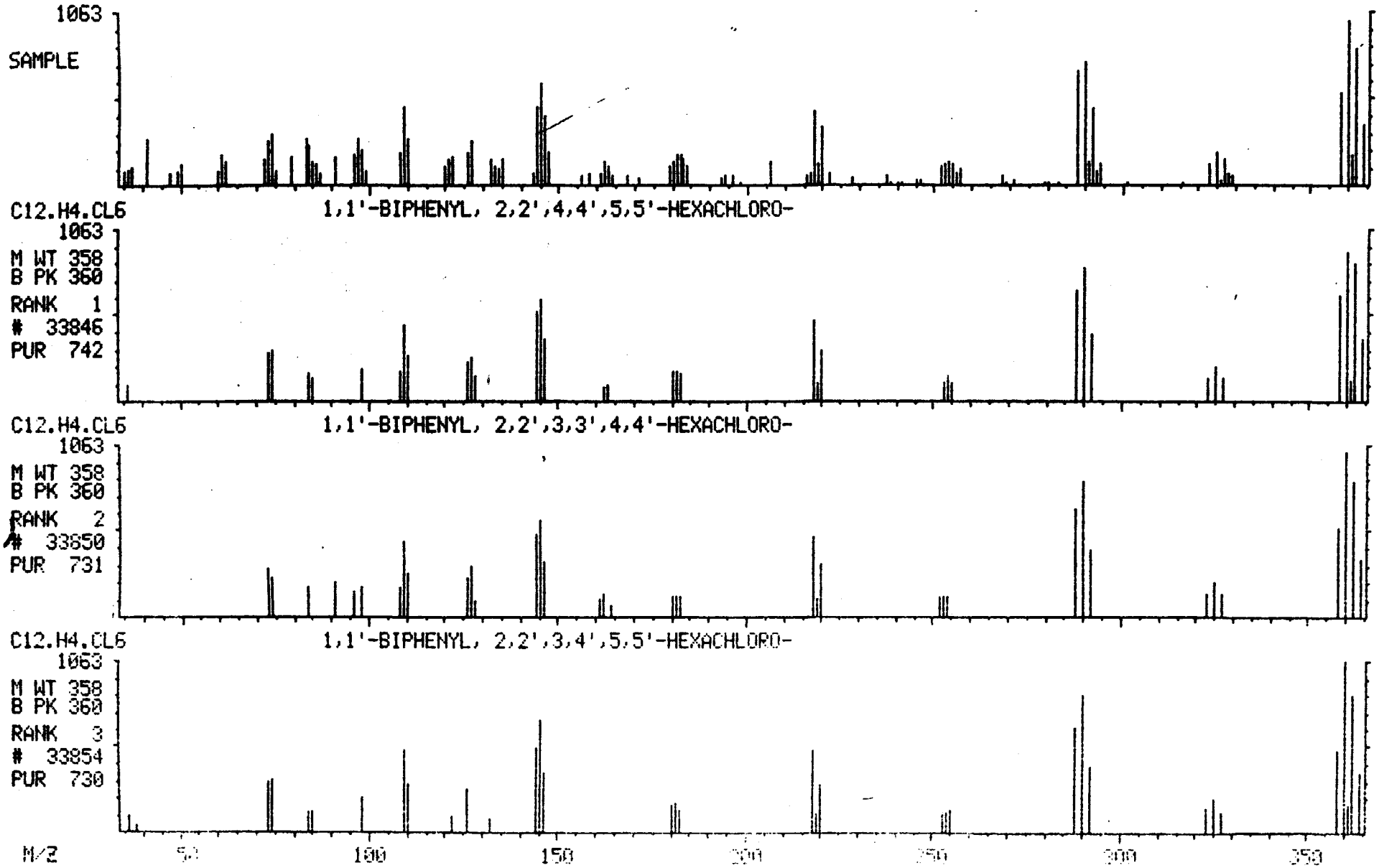
9 2 2 2 6 0 0 0 3 6 0

001595

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 29:35
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #2984
CALI: APR22VG04 # 3

BASE M/Z: 360
RIC: 12384.



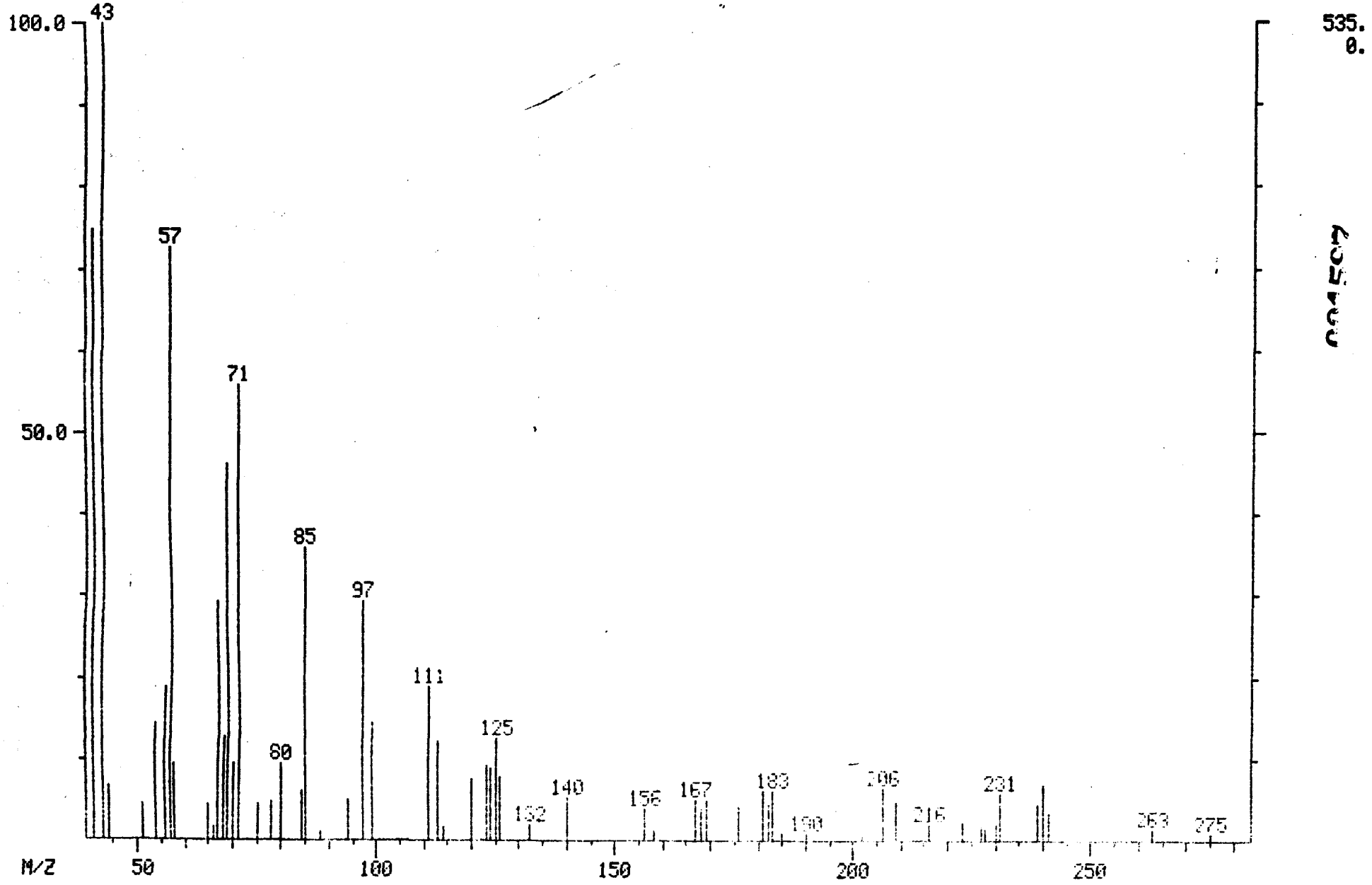
9226000561

955100

MASS SPECTRUM
04/22/91 20:59:00 + 33:44
SAMPLE: 90904 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: APR22VG04 #3404
CALI: APR22VG04 #3

BASE M/Z: 43
RIC: 3984.

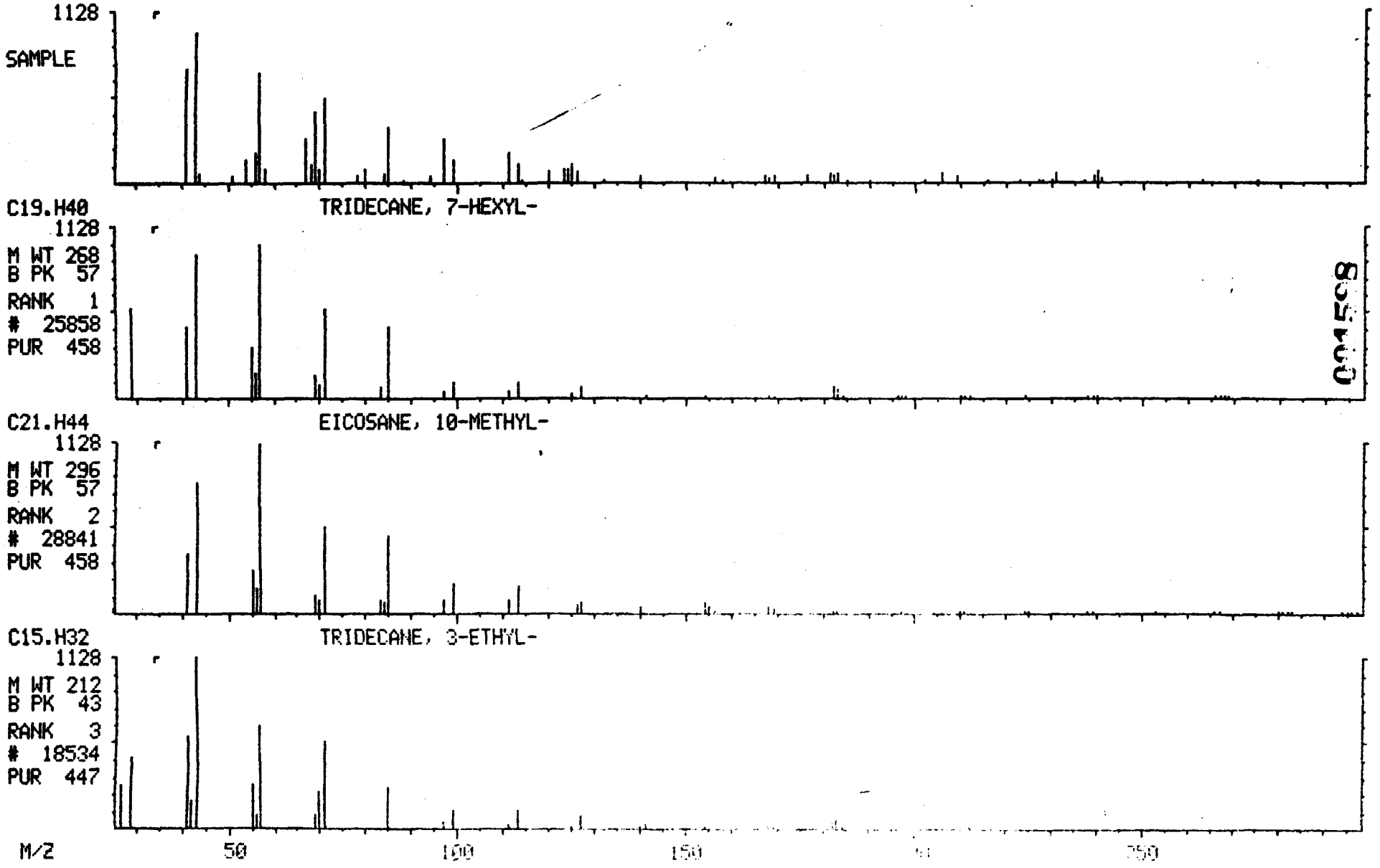


C04750

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 20:59:00 + 33:44
SAMPLE: 90904 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG04 #3404
CALI: APR22VG04 # 3

BASE M/Z: 43
RIC: 3928.



9 2 2 6 0 0 0 3 6 3

001558

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X107

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

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

% Moisture: not dec. 64 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	1800	U
111-44-4	bis(2-Chloroethyl)Ether	1800	U
95-57-8	2-Chlorophenol	1800	U
541-73-1	1,3-Dichlorobenzene	1800	U
106-46-7	1,4-Dichlorobenzene	1500	J
100-51-6	Benzyl Alcohol	1800	U
95-50-1	1,2-Dichlorobenzene	1800	U
95-48-7	2-Methylphenol	1800	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-Di-n-Propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
65-85-0	Benzoic Acid	8800	U
111-91-1	bis(2-Chloroethoxy)Methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
120-82-1	1,2,4-Trichlorobenzene	1800	U
91-20-3	Naphthalene	1800	U
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
59-50-7	4-Chloro-3-Methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1800	U
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	8800	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	8800	U
131-11-3	Dimethyl Phthalate	1800	U
208-96-8	Acenaphthylene	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190905

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

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

% Moisture: not dec. 64 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	8800	U
83-32-9	Acenaphthene	1800	U
51-28-5	2,4-Dinitrophenol	8800	U
100-02-7	4-Nitrophenol	8800	U
132-64-9	Dibenzofuran	1800	U
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenyl-phenylether	1800	U
86-73-7	Fluorene	1800	U
100-10-6	4-Nitroaniline	8800	U
534-52-1	4,6-Dinitro-2-Methylphenol	8800	U
86-30-6	N-Nitrosodiphenylamine (1)	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
87-86-5	Pentachlorophenol	8800	U
85-01-8	Phenanthrene	1800	U
120-12-7	Anthracene	1800	U
84-74-2	Di-n-Butylphthalate	1800	U
206-44-0	Fluoranthene	1800	U
129-00-0	Pyrene	5300	
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	3600	U
56-55-3	Benzo(a)Anthracene	1800	U
218-01-9	Chrysene	2800	
117-81-7	bis(2-Ethylhexyl)Phthalate	1800	U
117-84-0	Di-n-Octyl Phthalate	1800	U
205-99-2	Benzo(b)Fluoranthene	2400	
207-08-9	Benzo(k)Fluoranthene	1800	U
50-32-8	Benzo(a)Pyrene	1800	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1800	U
53-70-3	Dibenz(a,h)Anthracene	1800	U
191-24-2	Benzo(g,h,i)Perylene	1800	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X107

ab Name: ILLINOIS EPA Contract: _____

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

atrix: (soil/water) SOIL Lab Sample ID: D190905

ample wt/vol: 30.1 (g/mL) G Lab File ID: APR22VG01

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

Moisture: not dec. 64 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

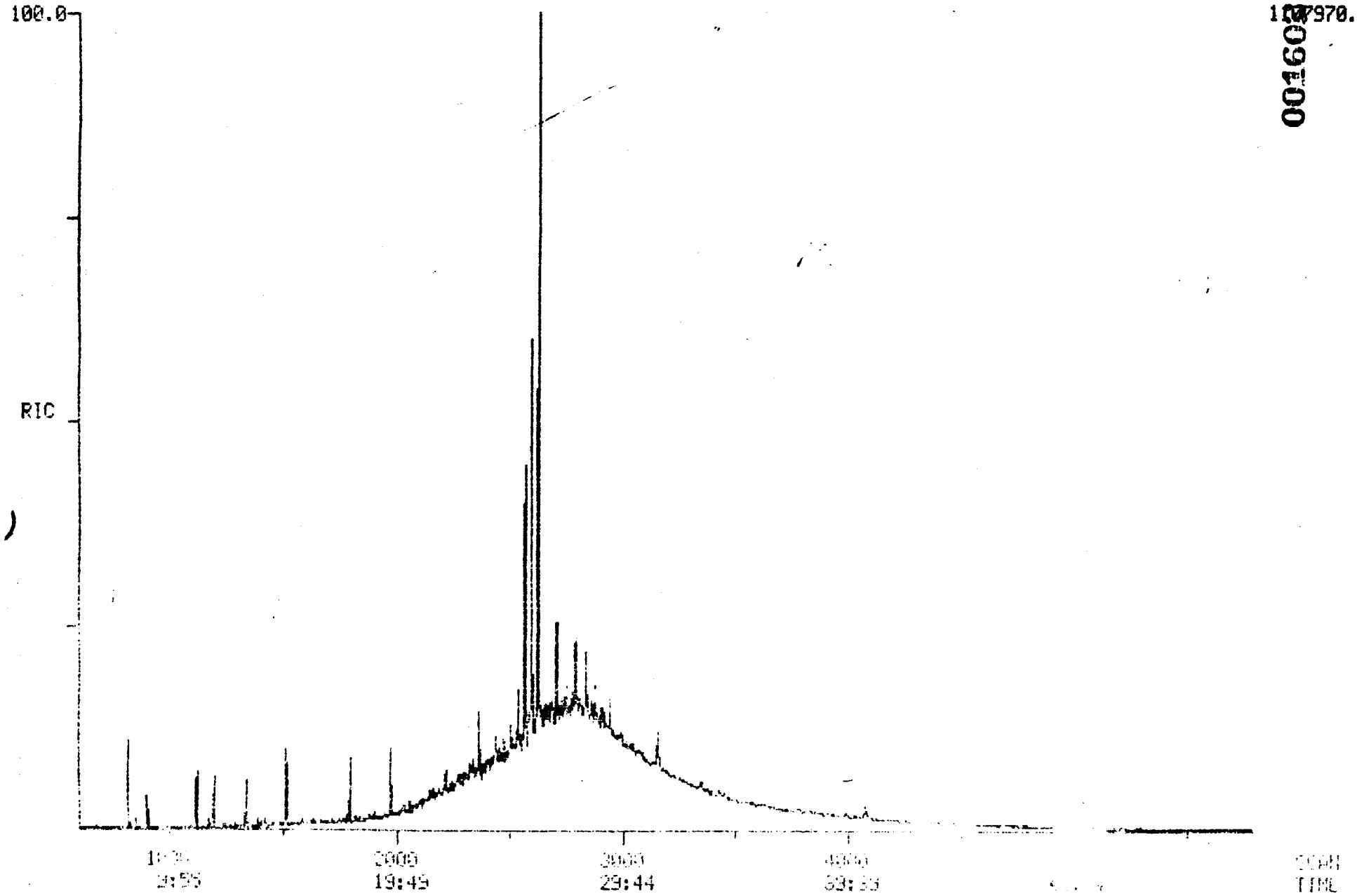
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.13	4400	BAJ
2.	UNKNOWN ALIP. HYDROCARBON	22.00	1500	J
3.	UNKNOWN	23.82	1300	J
4.	UNKNOWN	24.15	2600	J
5.	UNKNOWN	24.82	2400	J
6.	UNKNOWN	25.16	3400	J
7.	UNKNOWN	25.42	18000	J
8.	UNKNOWN	25.59	2500	J
9.	UNKNOWN	25.72	22000	J
10.	UNKNOWN	26.04	51000	J
11.	UNKNOWN	26.61	2300	J
12.	UNKNOWN	26.82	6500	J
13.	UNKNOWN	26.99	1800	J
14.	UNKNOWN	27.16	1500	J
15.	UNKNOWN	28.09	6000	J
16.	UNKNOWN	28.36	1900	J
17.	UNKNOWN	28.86	1400	J
18.	UNKNOWN	29.16	2400	J

X 1 0 7

RIC
04/22/91 17:05:00
SAMPLE: 90905 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: APR22VG01 #1 SCANS 600 TO 5800
CALI: APR22VG01 #3



9 2 2 6 0 0 0 3 6 1

001603

4/22/91 17:05:41
Acquisition started

4/22/91 17:05:44
Acquire Run 0:APR22VG01 Starting
04/22/91 17:05:00 + 0:00 Free sectors: 16496 Scan: 0 of 5800
Sample: 90905 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 (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	:	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

001603

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 18:13:50
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	42.7	3449.4	1.2	754807.	130.	219.

Quantitation Report File: APR22VG01

Data: APR22VG01.TI
04/22/91 17:05:00
Sample: 90905 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

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	1196	11:51	1	1.000	A BB	54246.	40.000 UG/L	4.94
2	94	1124	11:08	1	0.940	A BB	964.	0.799 UG/L	0.10
3	NOT FOUND								
4	NOT FOUND								
5	146	1187	11:46	1	0.992	A BB	928.	0.901 UG/L	0.11
6	146	1200	11:54	1	1.003	A BB	9004.	8.236 UG/L	1.02
7	146	1245	12:20	1	1.041	A BB	1170.	1.152 UG/L	0.14
8	NOT FOUND								
9	NOT FOUND								
10	45	1271	12:36	1	1.063	A BB	444.	0.304 UG/L	0.04
11	NOT FOUND								
12	70	1303	12:55	1	1.089	A VV	1039.	1.303 UG/L	0.16
13	NOT FOUND								
14	112	904	8:58	1	0.756	A BB	37554.	49.095 %	6.06
15	99	1121	11:07	1	0.937	A BB	68275.	80.415 %	9.92
16	136	1516	15:02	16	1.000	A BB	135090.	40.000 UG/L	4.94
17	77	1349	13:22	16	0.890	A BB	280.	0.229 UG/L	0.03
18	82	1402	13:54	16	0.925	A BB	481.	0.217 UG/L	0.03
19	139	1425	14:07	16	0.940	A BB	232.	0.380 UG/L	0.05
20	107	1422	14:06	16	0.938	A*BB	568.	0.506 UG/L	0.06
21	122	1467	14:32	16	0.968	A BB	224.	0.425 UG/L	0.05
22	93	1463	14:30	16	0.965	A*BB	632.	0.493 UG/L	0.06
23	162	1484	14:43	16	0.979	A BB	896.	1.057 UG/L	0.13
24	180	1505	14:55	16	0.993	A BB	1762.	~~2.098 UG/L~~	0.26
25	128	1521	15:05	16	1.003	A BB	4894.	1.586 UG/L	0.20
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	142	1699	16:50	16	1.121	A BB	1710.	0.840 UG/L	0.10
30	82	1337	13:15	16	0.882	A VB	60218.	92.499 %	11.41
31	162	1977	19:36	31	1.000	A VV	69139.	40.000 UG/L	4.94
32	NOT FOUND								
33	196	1779	17:38	31	0.900	A*BB	336.	0.654 UG/L	0.08
34	NOT FOUND								
35	162	1833	18:10	31	0.927	A BB	376.	0.200 UG/L	0.02
36	NOT FOUND								
37	NOT FOUND								
38	152	1935	19:11	31	0.979	A VB	507.	0.165 UG/L	0.02
39	138	1966	19:29	31	0.994	A BB	389.	0.713 UG/L	0.09
40	153	1985	19:41	31	1.004	A*BV	521.	0.297 UG/L	0.04
41	NOT FOUND								
42	109	2016	19:59	31	1.020	A BB	176.	0.507 UG/L	0.06
43	168	2026	20:05	31	1.025	A VB	1042.	0.381 UG/L	0.05
44	165	1933	19:10	31	0.978	A BB	118.	0.214 UG/L	0.03
45	165	2038	20:12	31	1.031	A VB	238.	0.344 UG/L	0.04
46	NOT FOUND								
47	204	2121	21:01	31	1.073	A BB	127.	0.133 UG/L	0.02
48	166	2117	20:59	31	1.071	A BB	1320.	0.643 UG/L	0.08
49	NOT FOUND								
50	172	1799	17:50	31	0.910	A BB	97030.	112.715 %	13.91

Quantitation Report File: APR22VG01

Data: APR22VG01.TI
04/22/91 17:05:00
Sample: 90905 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	2185	21:39	31	1.105	A BB	3712.	20.340	%	2.51
52	188	2364	23:26	52	1.000	A BB	130083.	40.000	UG/L	4.94
53	198	2150	21:19	52	0.909	A BB	186.	0.361	UG/L	0.04
54	248	2245	22:15	52	0.950	A*VB	254.	0.426	UG/L	0.05
55	284	2292	22:43	52	0.970	A BB	46.	0.079	UG/L	0.01
56	266	2330	23:06	52	0.986	A BB	912.	~~2.591~~	UG/L	0.32
57	178	2370	23:29	52	1.003	A BB	7682.	~~2.988~~	~~UG/L~~	0.29
58	178	2382	23:37	52	1.008	A BV	5910.	1.809	UG/L	0.22
59	149	2525	25:02	52	1.068	A BB	710.	0.179	UG/L	0.02
60	202	2689	26:39	52	1.137	A BB	27633.	~~9.056~~	~~UG/L~~	1.12
61	77	2164	21:27	52	0.915	A VB	1084.	0.318	UG/L	0.04
62	202	2749	27:15	52	1.163	A BV	86849.	28.909	UG/L	3.57
63	168	2163	21:26	52	0.915	A VB	1853.	1.696	UG/L	0.21
64	240	3153	31:15	64	1.000	A BB	106803.	40.000	UG/L	4.94
65	NOT FOUND									

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	252	3132	31:03	64	0.993	A BB	155.	0.230 UG/L	0.03
67	228	3145	31:10	64	0.997	A BV	13760.	→ ~~4.788 UG/L~~	0.59
68	149	3170	31:25	64	1.005	A BB	1968.	0.920 UG/L	0.11
69	228	3161	31:20	64	1.003	A VB	41169.	15.398 UG/L	1.90
70	244	2787	27:37	64	0.884	A BB	114147.	66.667 %	8.23
71	264	4083	40:28	71	1.000	A BB	43092.	40.000 UG/L	4.94
72	NOT	FOUND							
73	252	3774	37:24	71	0.924	A BV	17213.	13.199 UG/L	1.63
74	252	3788	37:33	71	0.928	A VB	7223.	→ ~~5.420 UG/L~~	0.67
75	252	4032	39:58	71	0.988	A BB	8429.	→ ~~8.037 UG/L~~	0.99
76	276	5304	52:34	71	1.299	A VB	2032.	→ ~~6.004 UG/L~~	0.74
77	278	5348	53:01	71	1.310	A*BB	2078.	→ ~~5.693 UG/L~~	0.70
78	276	5673	56:14	71	1.389	A BB	6018.	→ ~~16.360 UG/L~~	2.02

Quantitation Report File: APR22VG01A

Data: APR22VG01.TI
04/22/91 17:05:00
Sample: 90905 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) * 0.183
Resp. fac. from Library Entry

$\frac{5088610}{369675} \times 40 \times \frac{1}{30.12} \times \frac{1}{100} = 0.183$

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	61141-66-0	1,1'-BIPHENYL, 3,4-DIETHYL-
3	38638-39-0	1,1'-BIPHENYL, (1-METHYLETHENYL)-
4	5947-36-4	BICYCLO[3.1.1]HEPTAN-3-OL, 6,6-DIMETHYL-2-METHYLENE-
5	832-64-4	PHENANTHRENE, 4-METHYL-
6	18208-94-1	CYCLOBUTA[1,2:3,4]DICYCLOOCTENE, HEXADECAHYDRO-
7	55103-64-5	2H-BENZOCYCLOHEPTEN-2-ONE, DECAHYDRO-4A-METHYL-, TRANS
8	41464-39-5	1,1'-BIPHENYL, 2,2',3,5'-TETRACHLORO-
9	2277-28-3	9,12-OCTADECADIENOIC ACID (Z,Z)-, 2,3-DIHYDROXYPROPYL
10	14458-75-4	SPIRO[ACRIDINE-9(10H),1'-CYCLOHEXANE]
11	15096-10-3	BENZENE, 1,1'-[(METHYLTHIO)ETHENYLIDENE]BIS-
12	55108-88-8	PHOSPHONIC ACID, [2-(ACETYLAMINO)ETHYL]-, BIS(TRIMETHY
13	38380-02-8	1,1'-BIPHENYL, 2,2',3,4,5'-PENTACHLORO-
14	68194-06-9	1,1'-BIPHENYL, 2,2',4,5,6'-PENTACHLORO-
~~15~~	973-21-7	DINOBUTON
16	36263-51-1	CYCLOHEXANECARBONITRILE, 1-(4-METHOXYPHENYL)-
17	38380-03-9	1,1'-BIPHENYL, 2,3,3',4',6-PENTACHLORO-
~~18~~	3442-78-2	PYRENE, 2-METHYL-
19	2381-21-7	PYRENE, 1-METHYL-
20	529-70-4	ETHANONE, 1-(7-HYDROXY-5-METHOXY-2,2-DIMETHYL-2H-1-BEN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	820	8:08	10	0.312	A BB	445067. ~~Alp~~ OL	1.601 BA	3.27
2	RIC	2219	22:00	10	0.845	A BB	151968. HC	0.547	1.11
3	RIC	2403	23:49	10	0.915	A BV	129032. UNK	0.464	0.95
4	RIC	2437	24:09	10	0.928	A BB	264320. UNK	0.951	1.94
5	RIC	2504	24:49	10	0.954	A BB	237696. UNK	0.855	1.74
6	RIC	2537	25:09	10	0.966	A VV	341040. UNK	1.226	2.50
7	RIC	2565	25:25	10	0.977	A VB	1765430. UNK	6.349	12.95
8	RIC	2581	25:35	10	0.983	A BV	254720. UNK	0.916	1.87
9	RIC	2595	25:43	10	0.988	A BB	2157470. UNK	7.759	15.83
10	RIC	2626	26:02	10	1.000	A BV	5088610. UNK	18.300	37.33
11	RIC	2683	26:36	10	1.022	A VB	230400. UNK	0.829	1.69
12	RIC	2705	26:49	10	1.030	A BB	651008. UNK	2.341	4.78
13	RIC	2723	26:59	10	1.037	A BB	177152. UNK	0.637	1.30
14	RIC	2739	27:09	10	1.043	A BB	146688. UNK	0.528	1.08
~~15~~	RIC	~~2740~~	27:10	10	1.043	A BV	200077.	~~0.720~~	1.47
16	RIC	2833	28:05	10	1.079	A BB	600917. UNK	2.161	4.41
17	RIC	2860	28:21	10	1.089	A BB	190464. UNK	0.685	1.40
~~18~~	RIC	~~2879~~	28:29	10	1.094	A BB	222912.	~~0.802~~	1.64
19	RIC	2910	28:51	10	1.108	A VB	137429. UNK	0.494	1.01
20	RIC	2941	29:09	10	1.120	A BB	238880. UNK	0.859	1.75

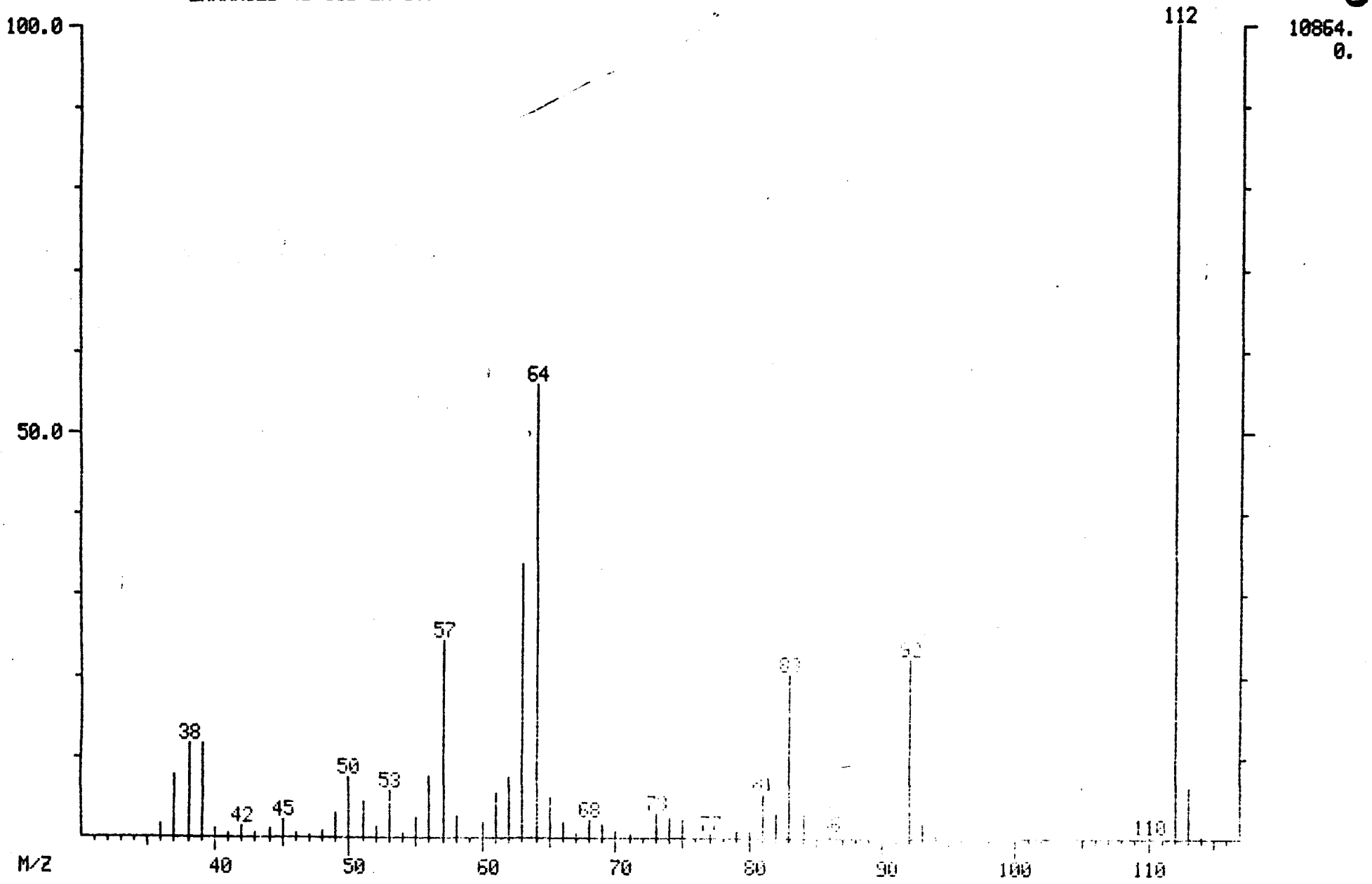
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 17:05:00 + 8:58
SAMPLE: 90905 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: APR22VG01 #904
CALI: APR22VG01 #3

BASE M/Z: 112
RIC: 42752.

001611

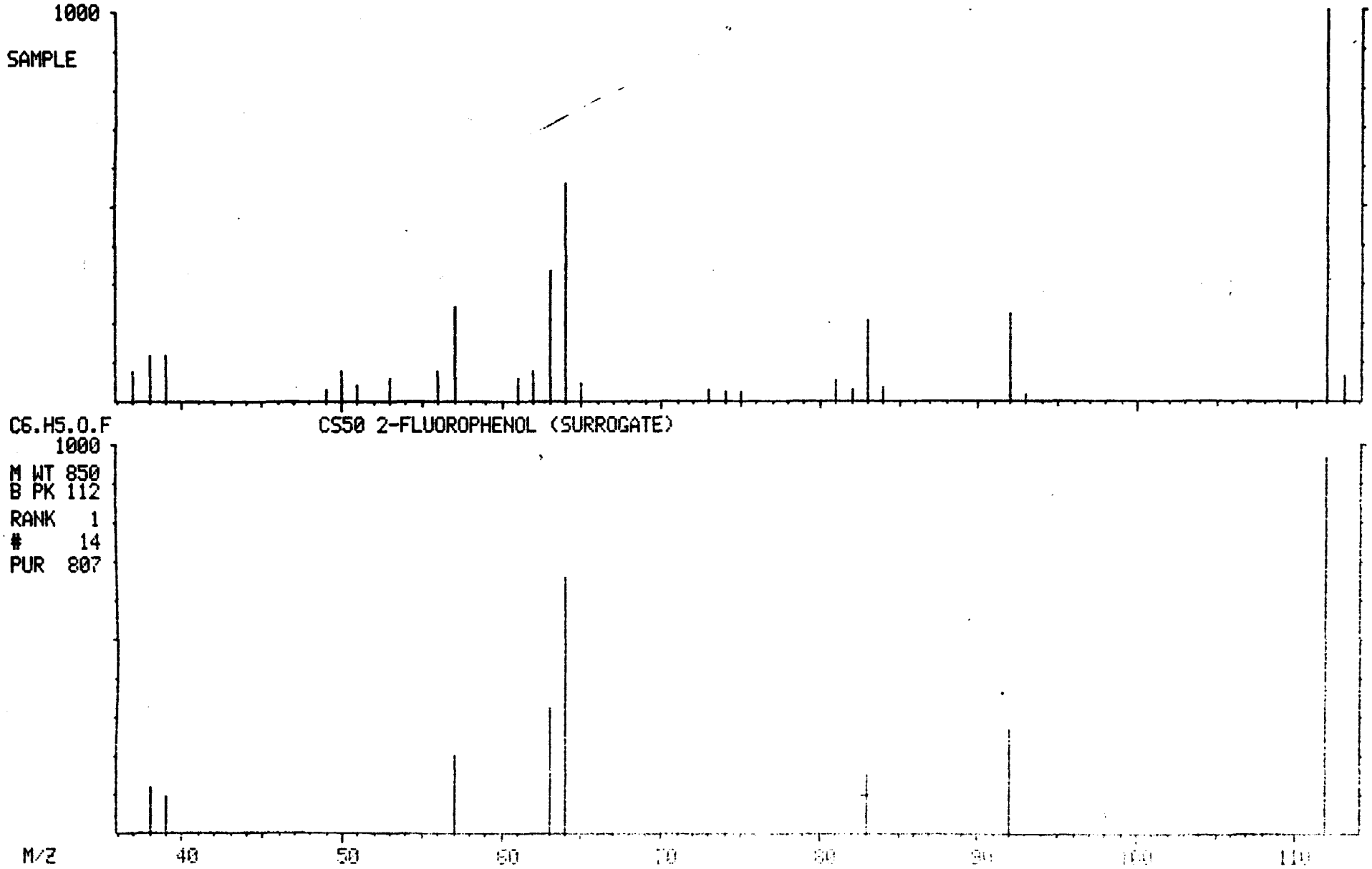


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 8:58
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 # 904
CALI: APR22VG01 # 3

BASE M/Z: 112
RIC: 39296.

001612

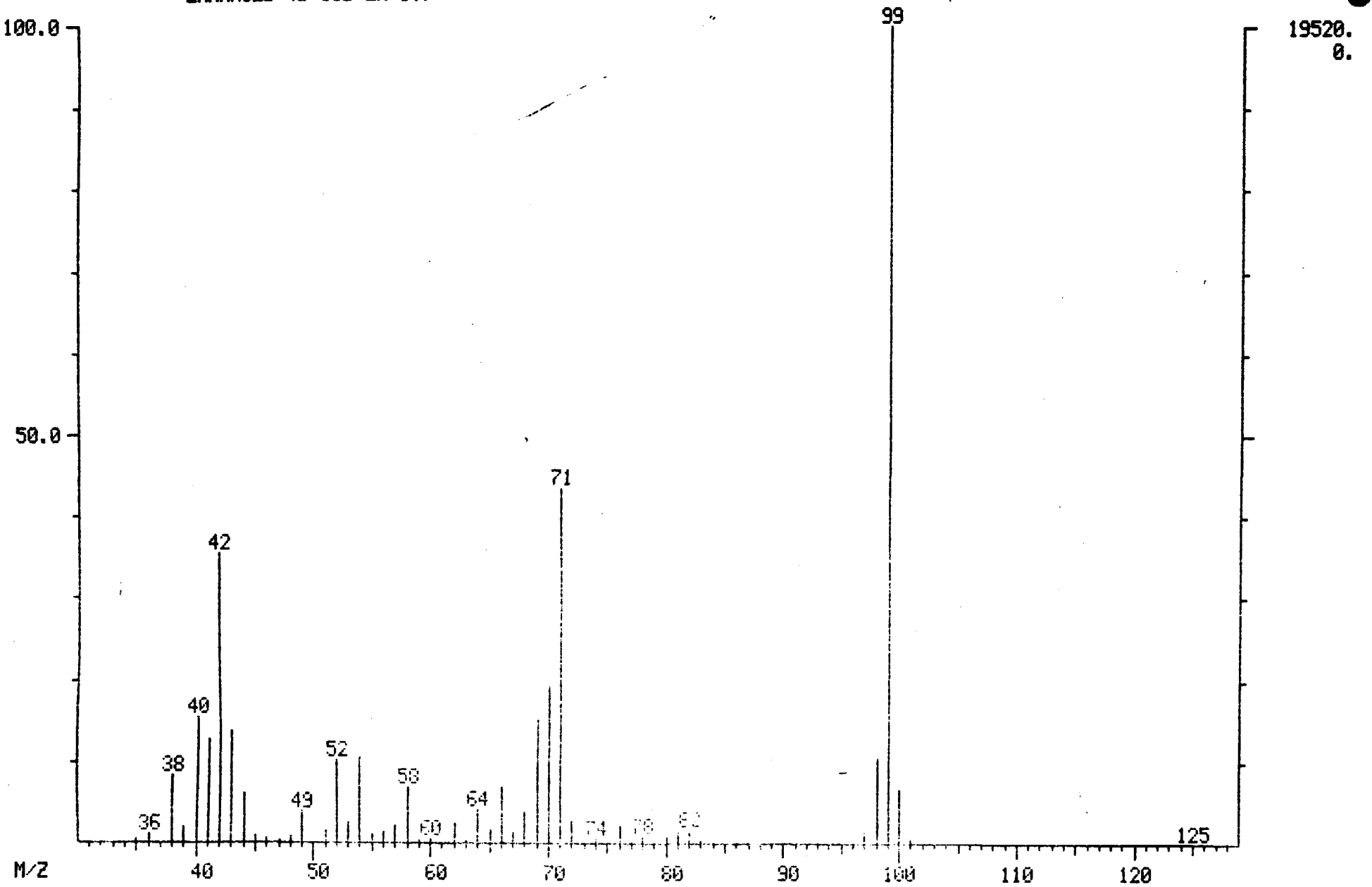


MASS SPECTRUM
04/22/91 17:05:00 + 11:07
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1121
CALI: APR22VG01 #3

BASE M/Z: 99
RIC: 71936.

001613

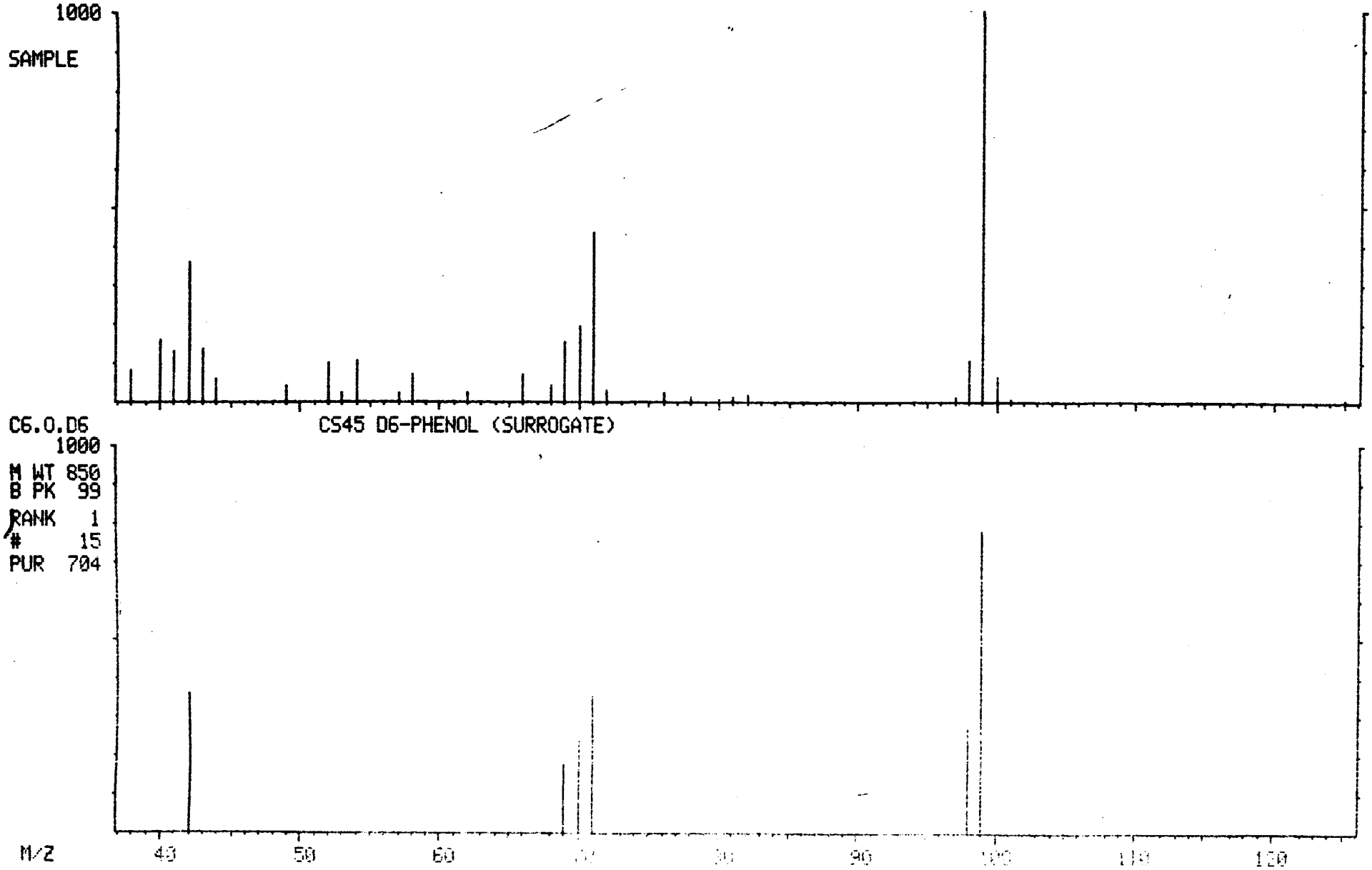


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 11:07
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1121
CALI: APR22VG01 # 3

BASE M/Z: 99
RIC: 68096.

001614

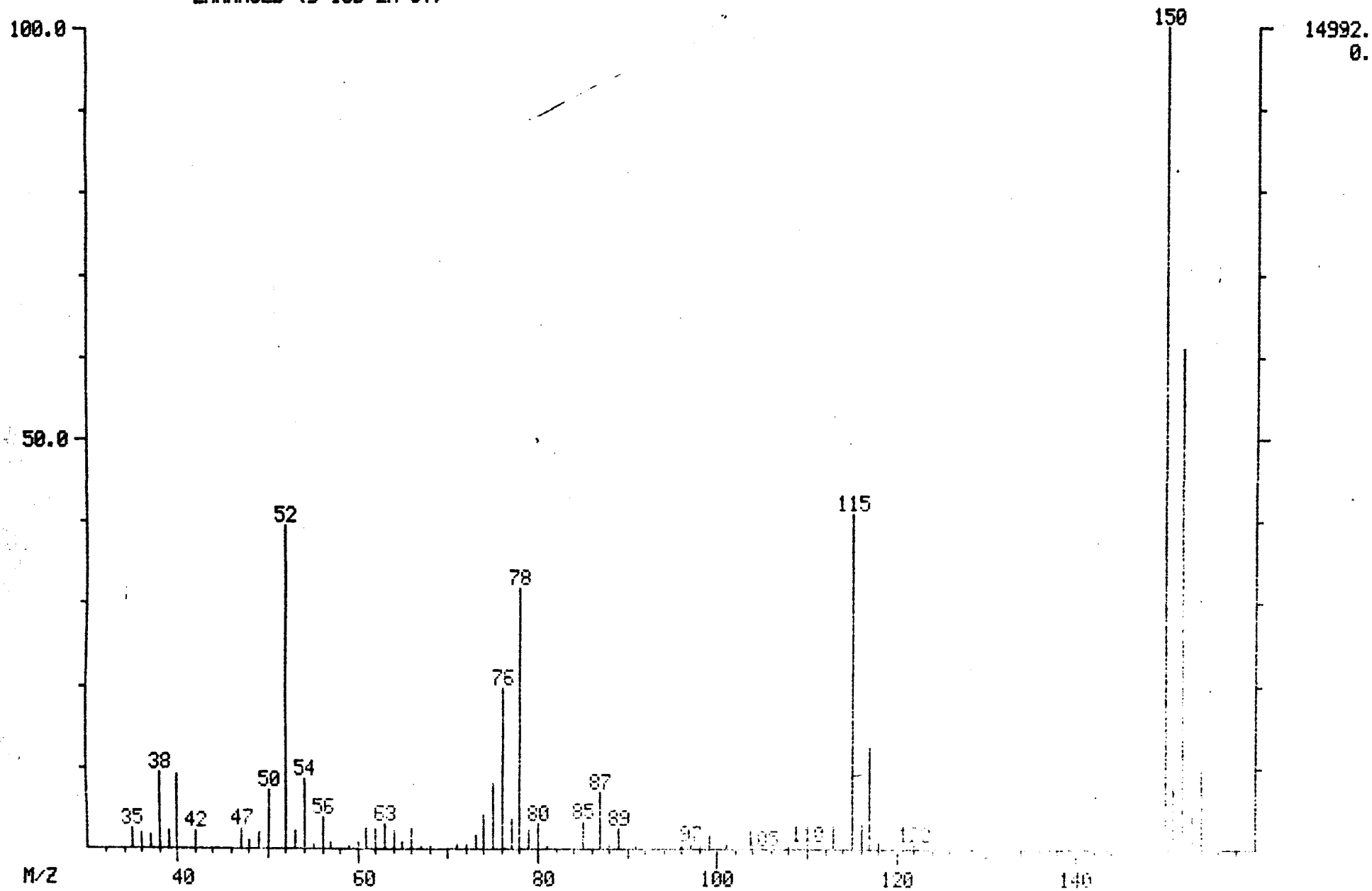


MASS SPECTRUM
04/22/91 17:05:00 + 11:51
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1196
CALI: APR22VG01 #3

BASE M/Z: 150
RIC: 67456.

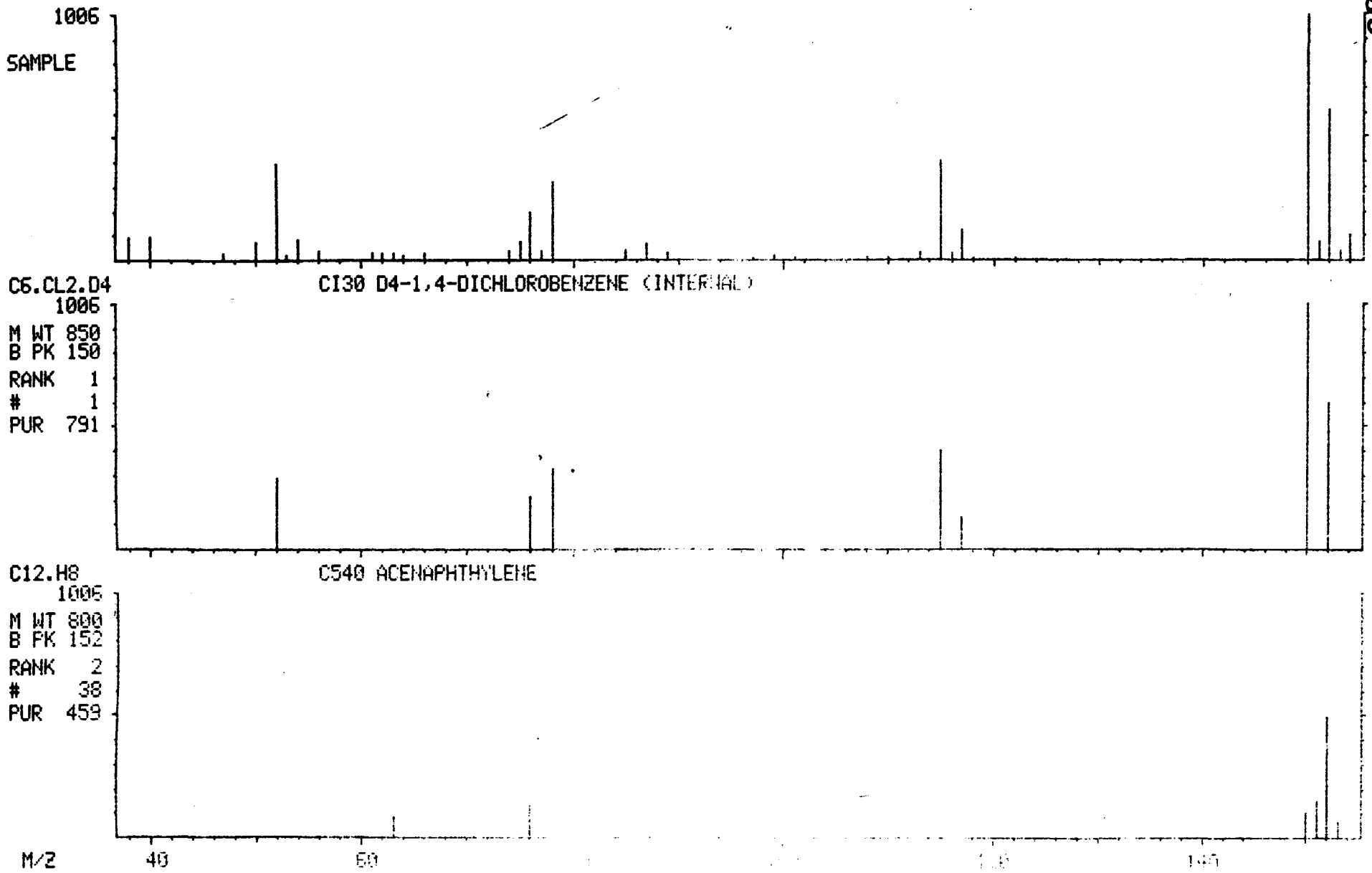
001615



MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 11:51
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1196
CALI: APR22VG01 # 3

BASE M/Z: 150
RIC: 63168.

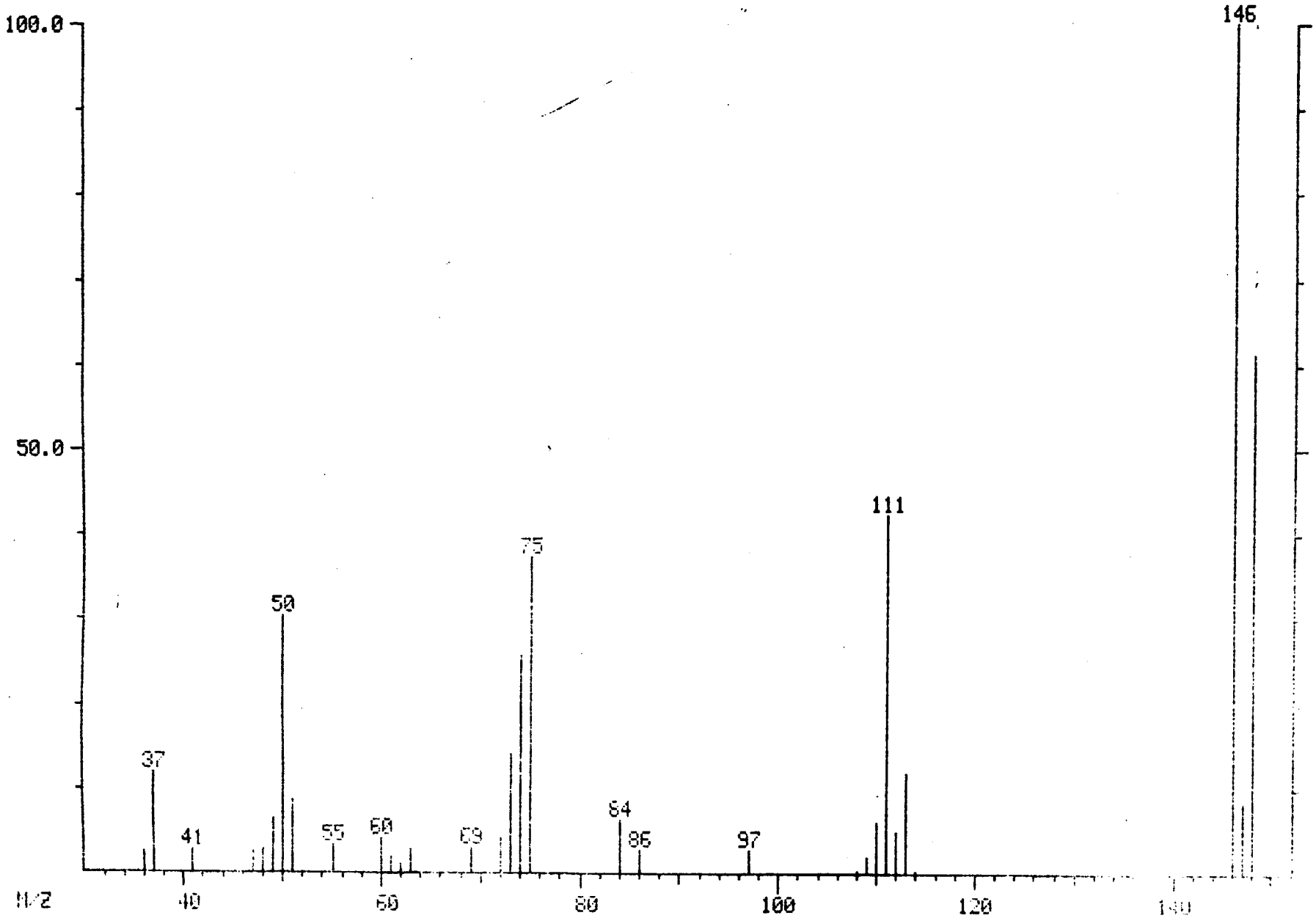


001616

MASS SPECTRUM
04/22/91 17:05:00 + 11:54
SAMPLE: 90905 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: APR22VG01 #1200
CALI: APR22VG01 #3

BASE M/Z: 146
RIC: 10448.



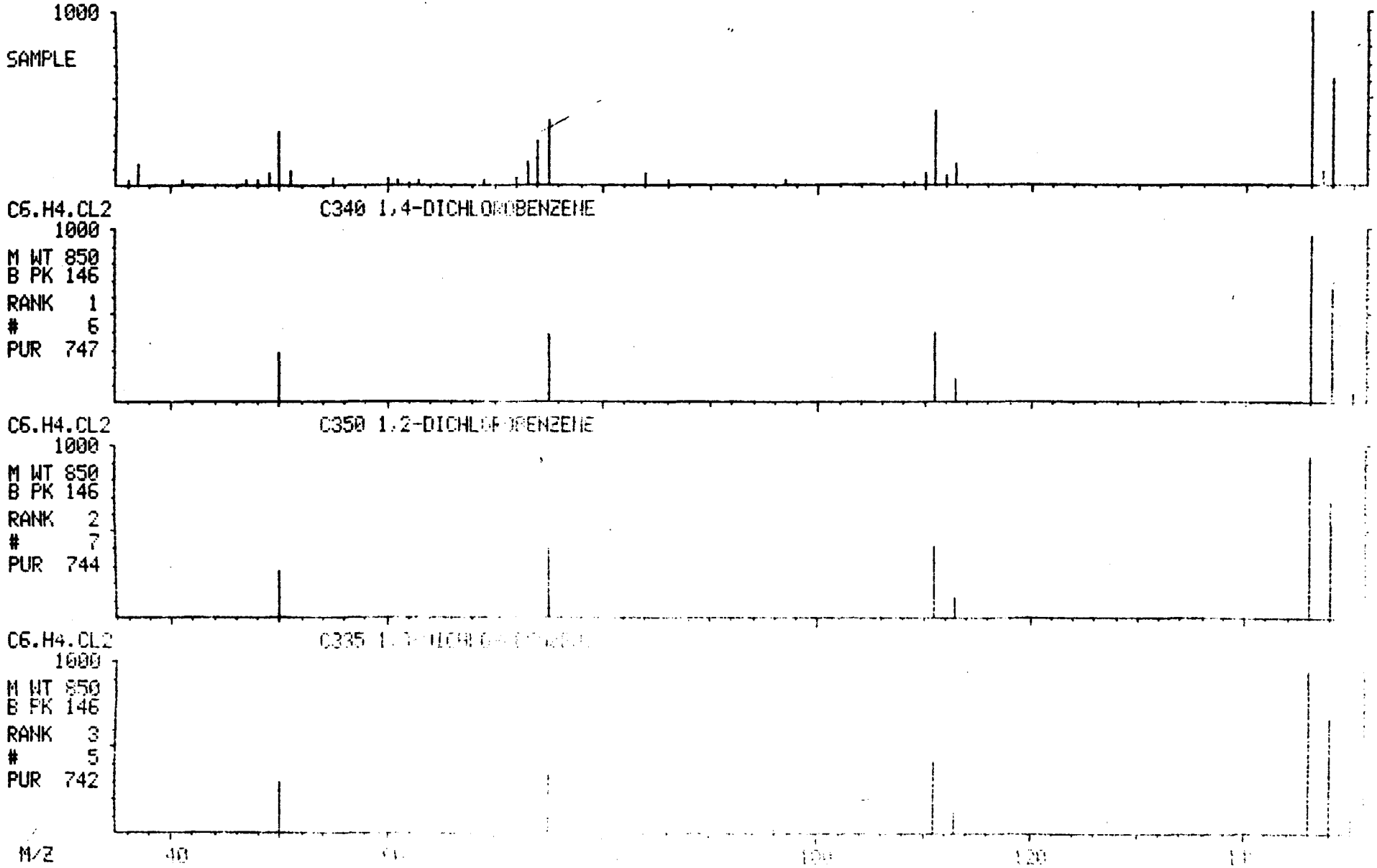
001617

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 11:54
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1200
CALI: APR22VG01 # 3

BASE M/Z: 146
RIC: 10432.

001618

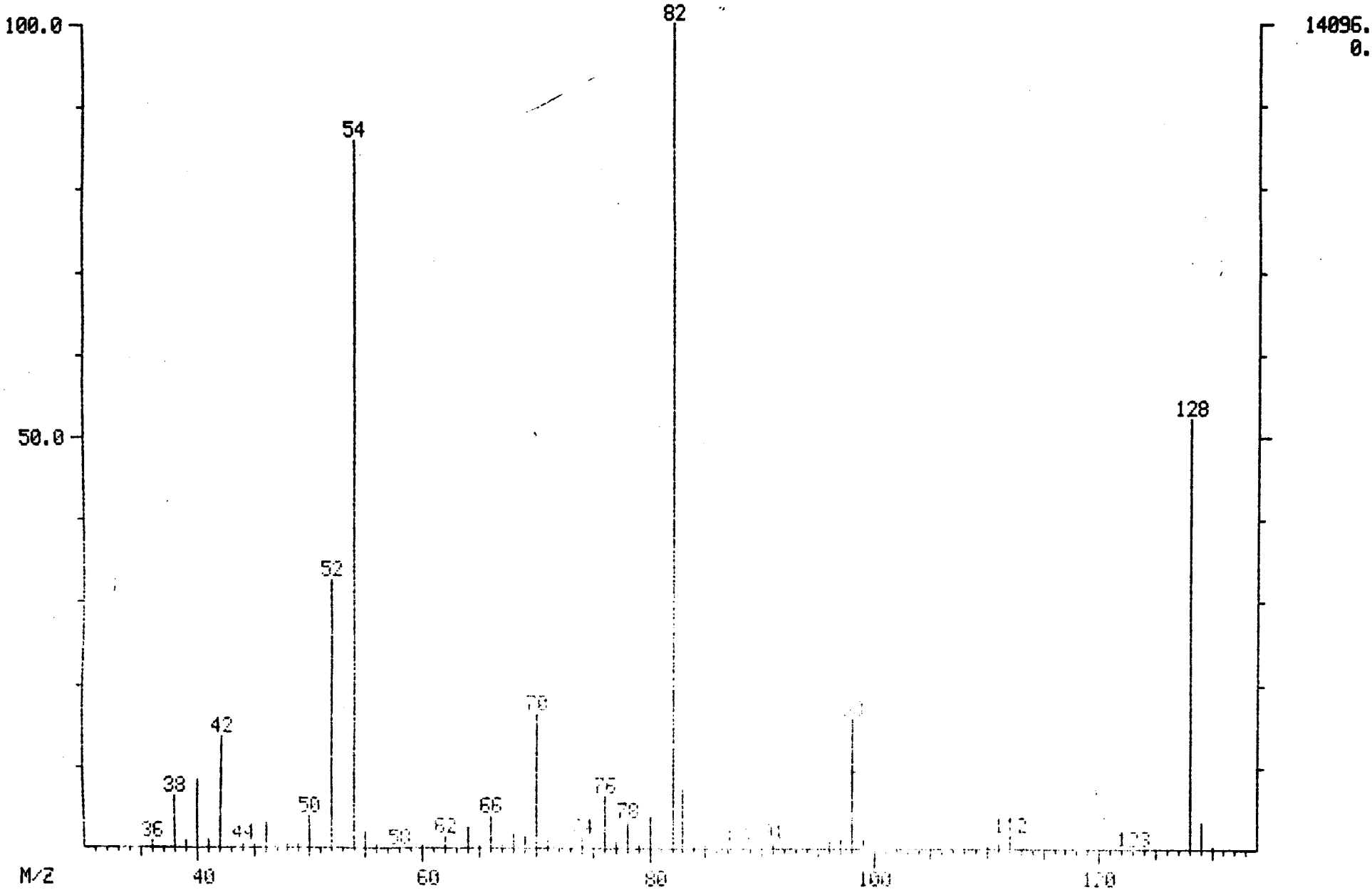


MASS SPECTRUM
04/22/91 17:05:00 + 13:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1337
CALI: APR22VG01 #3

BASE M/Z: 82
RIC: 55424.

001619

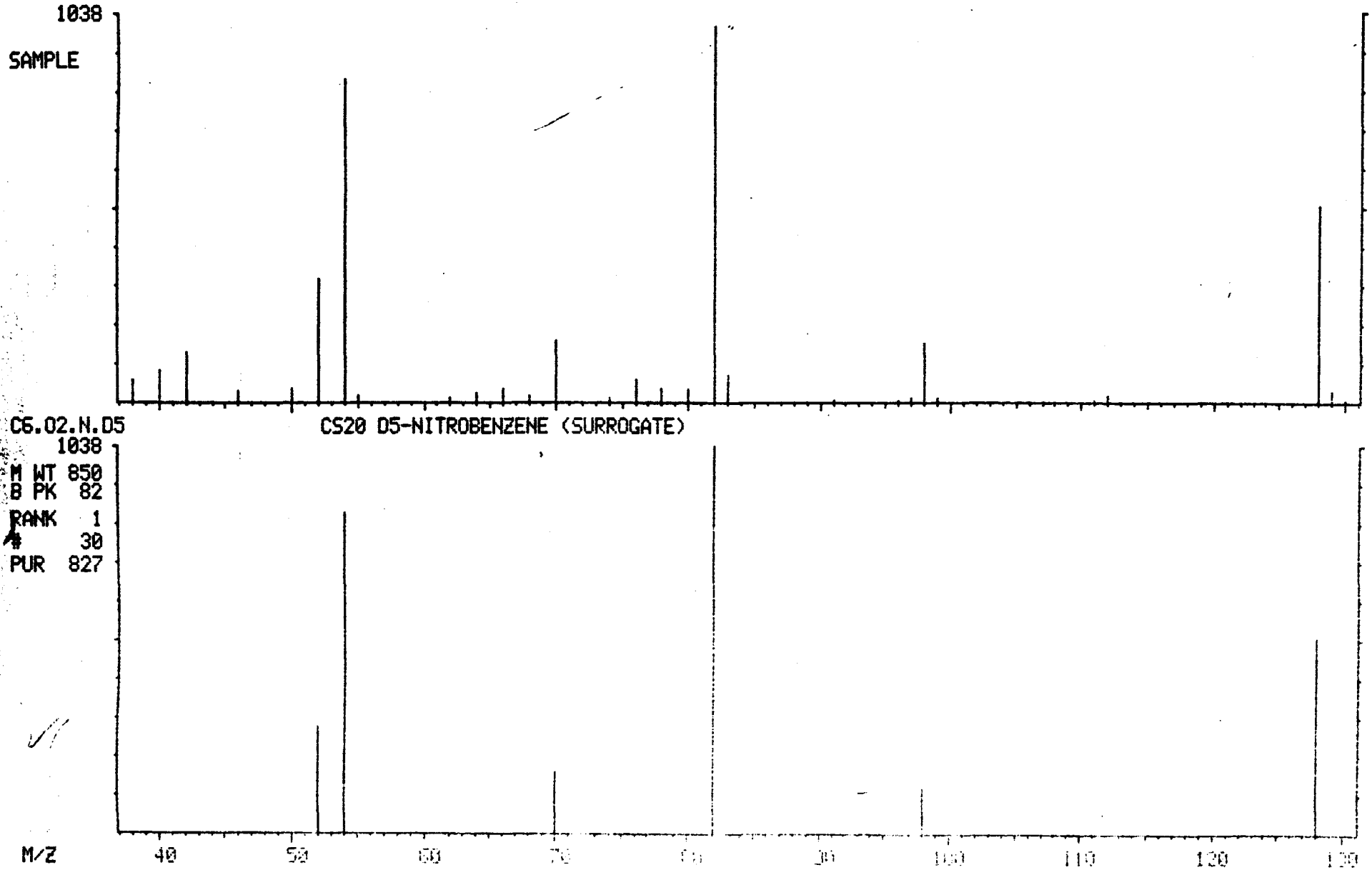


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 13:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1337
CALI: APR22VG01 # 3

BASE M/Z: 82
RIC: 53888.

001620

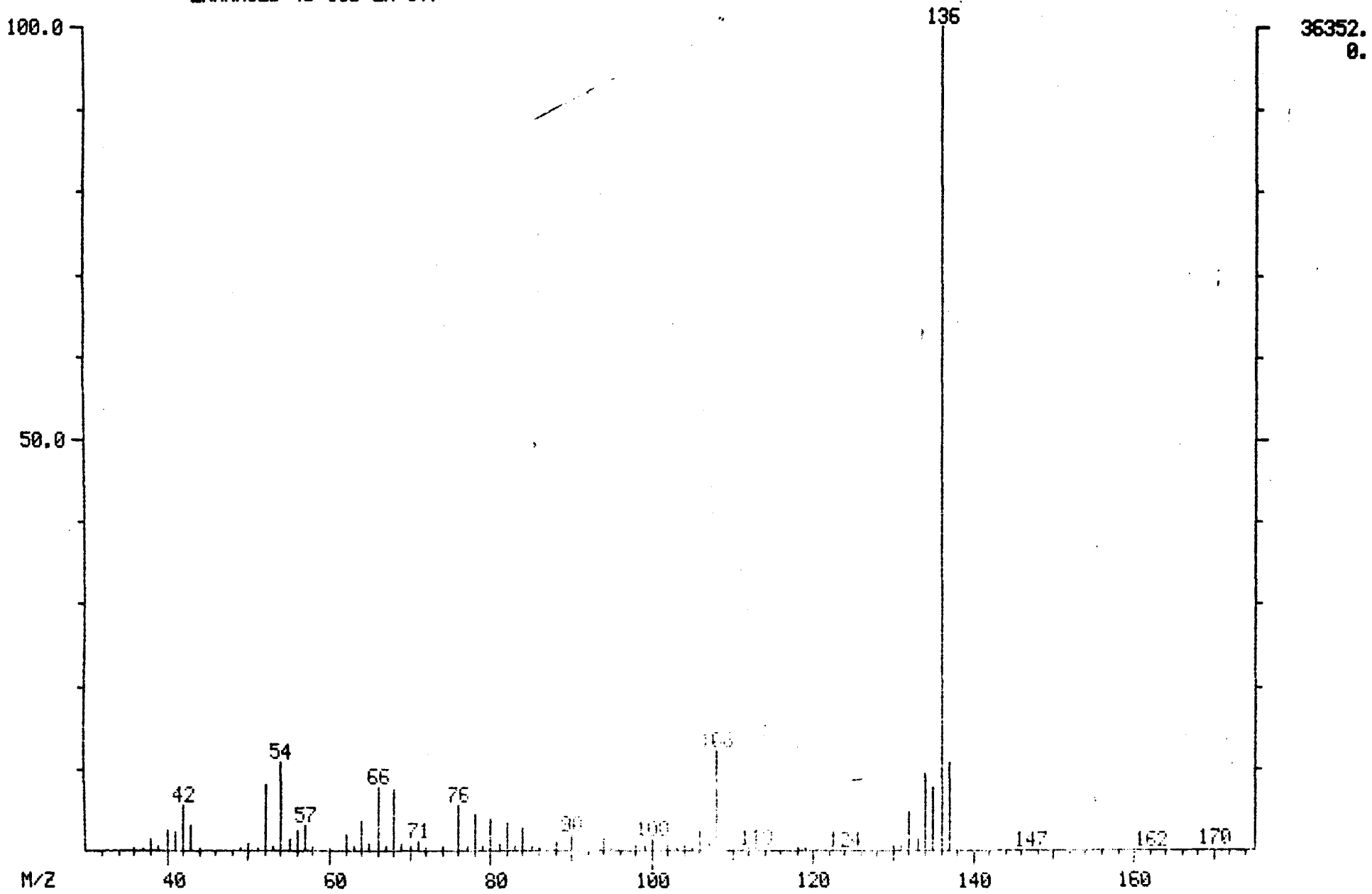


MASS SPECTRUM
04/22/91 17:05:00 + 15:02
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1516
CALI: APR22VG01 #3

BASE M/Z: 136
RIC: 93568.

001621

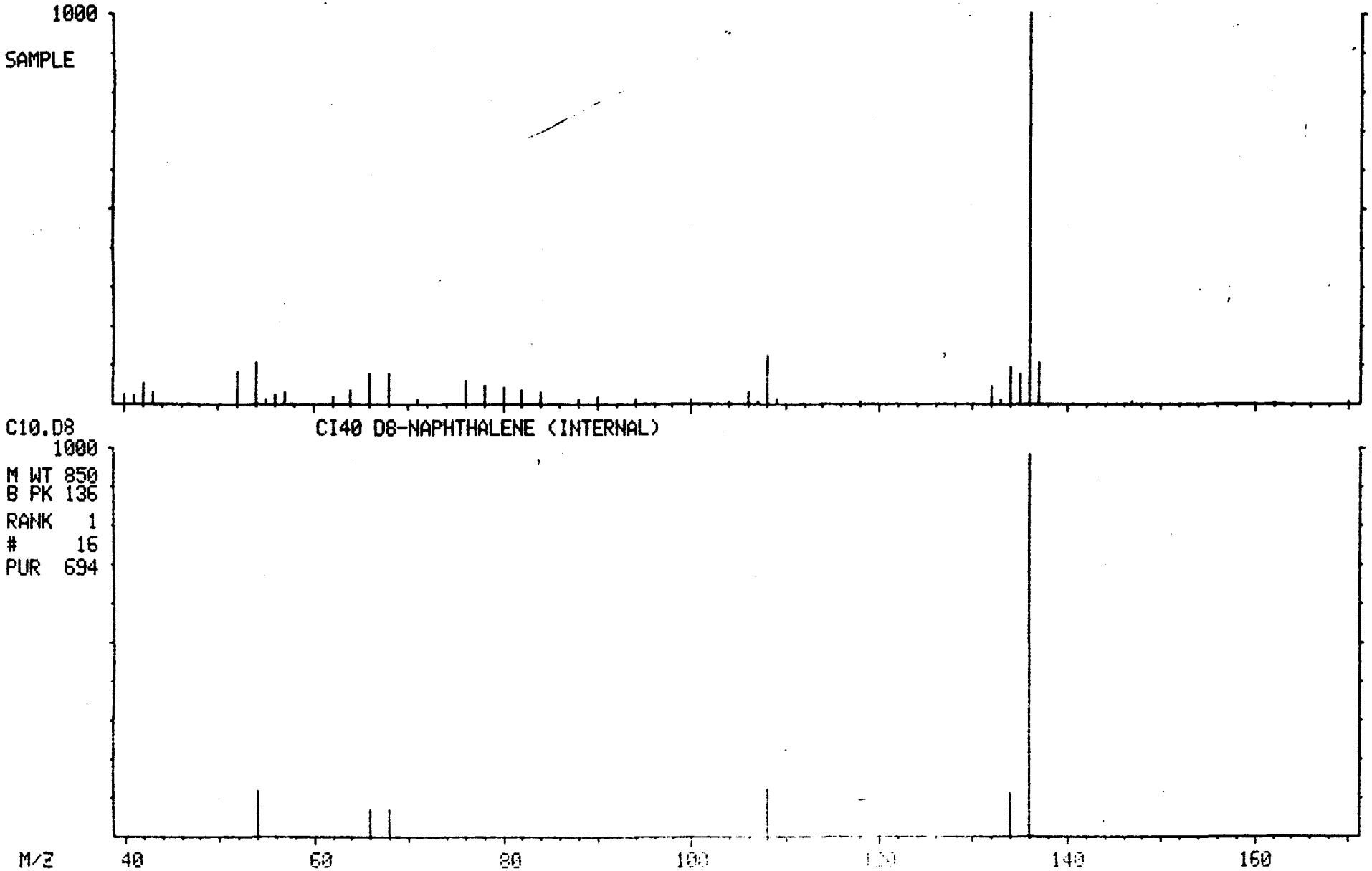


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 15:02
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1516
CALI: APR22VG01 # 3

BASE M/Z: 136
RIC: 86528.

001622

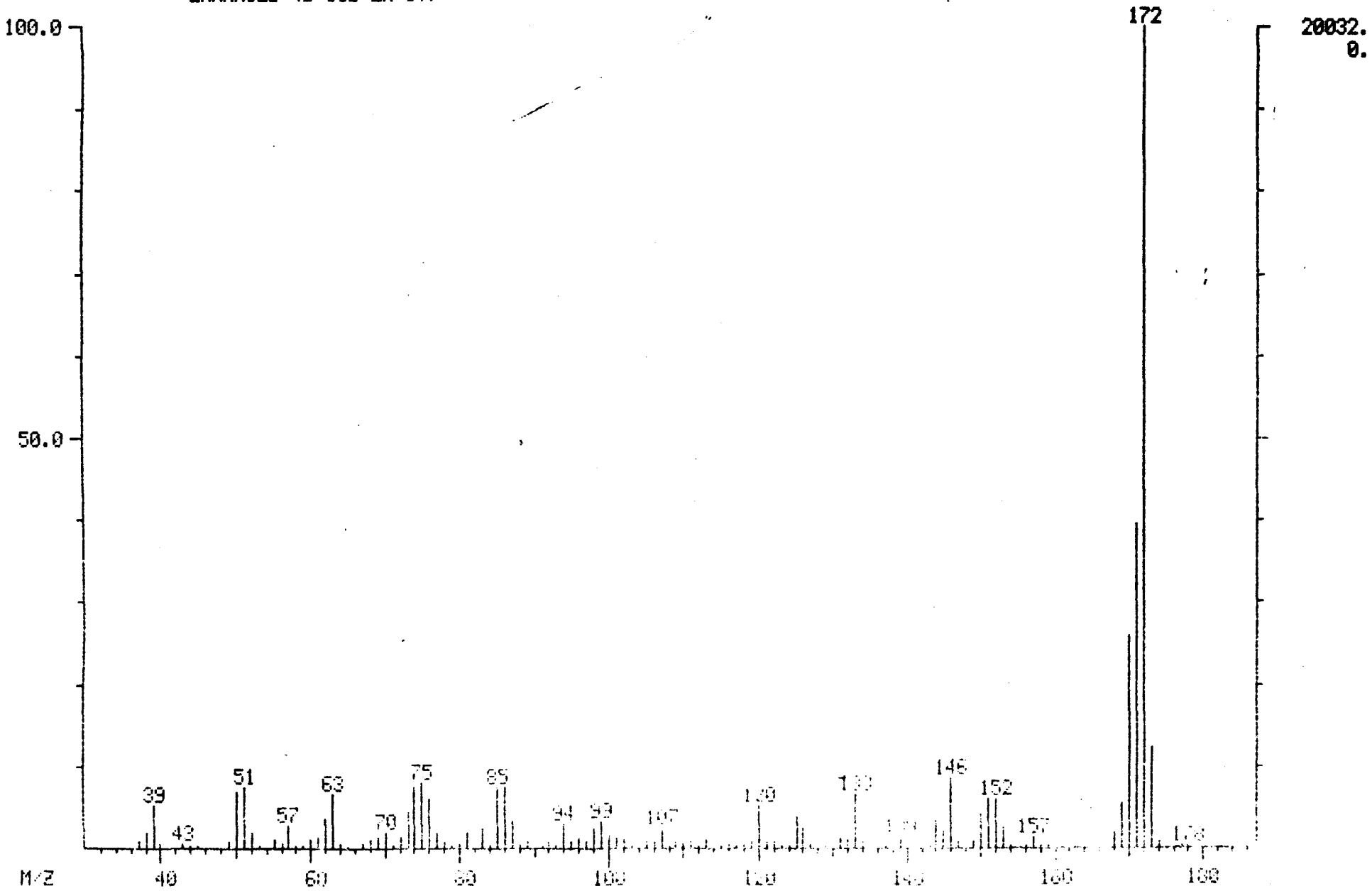


MASS SPECTRUM
04/22/91 17:05:00 + 17:50
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1799
CALI: APR22VG01 #3

BASE M/Z: 172
RIC: 78000.

001623

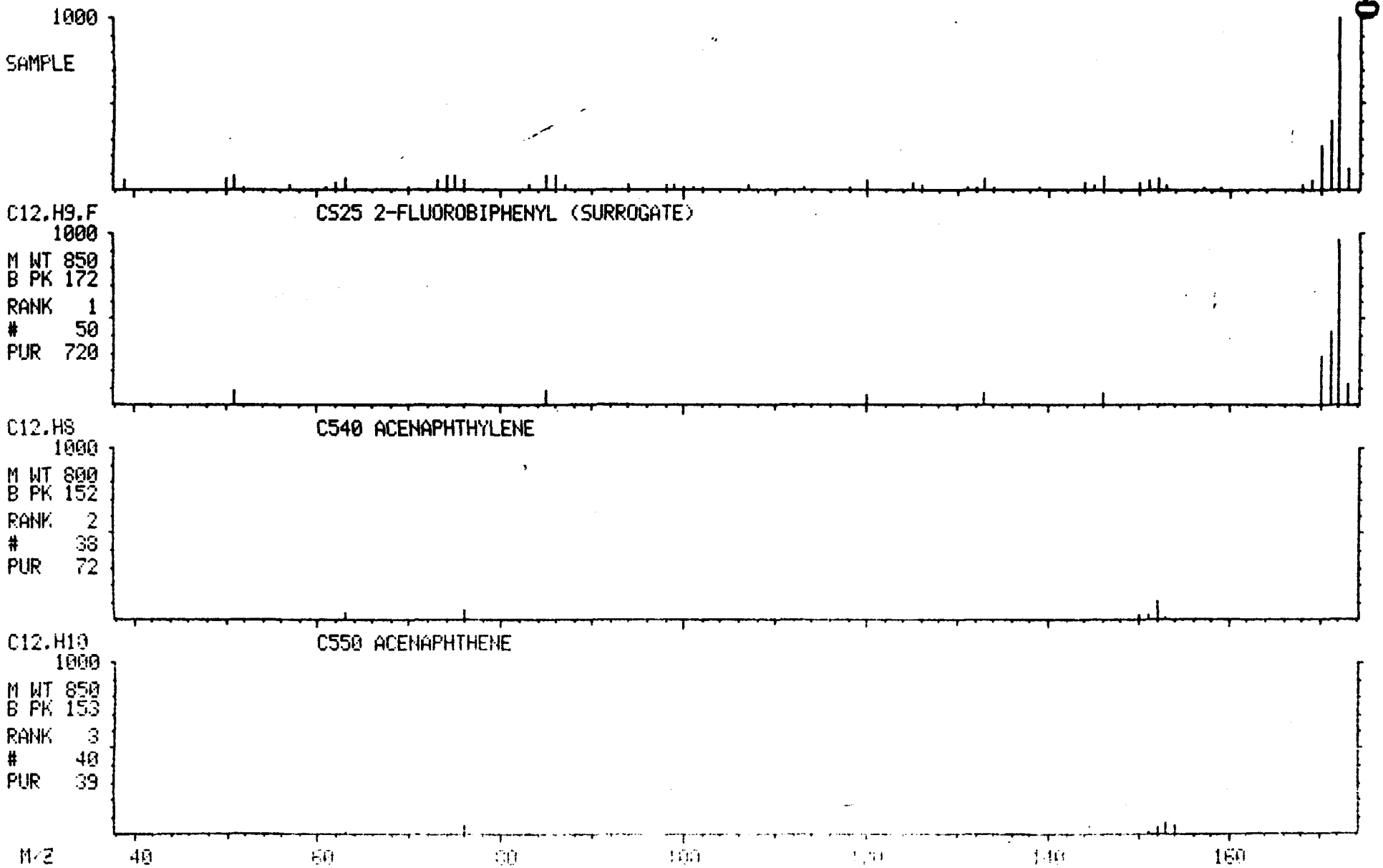


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 17:50
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1799
CALI: APR22VG01 # 3

BASE M/Z: 172
RIC: 69376.

001624

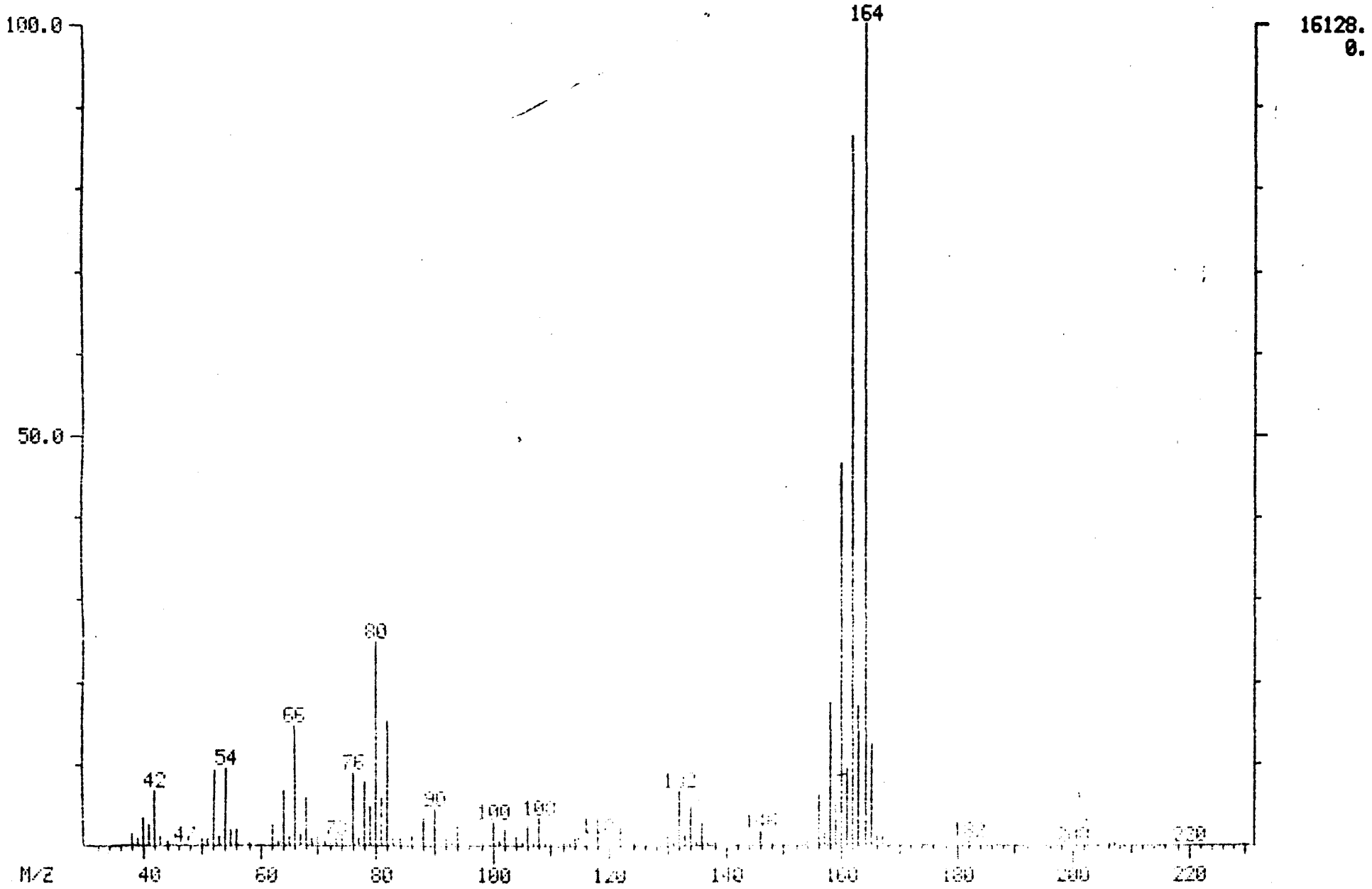


MASS SPECTRUM
04/22/91 17:05:00 + 19:36
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1977
CALI: APR22VG01 #3

BASE M/Z: 164
RIC: 82304.

001625

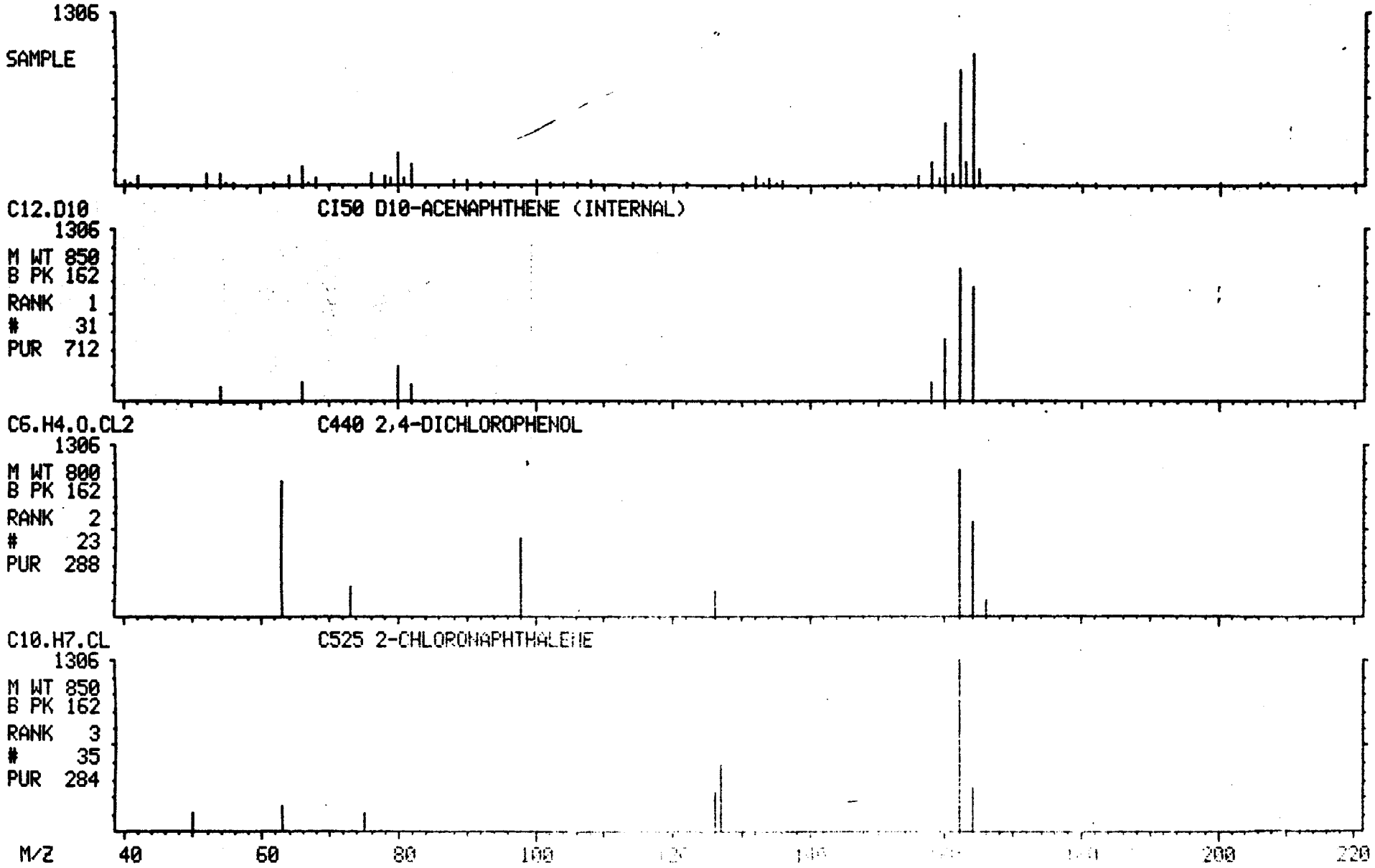


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 19:36
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #1977
CALI: APR22VG01 # 3

BASE M/Z: 164
RIC: 77824.

929500

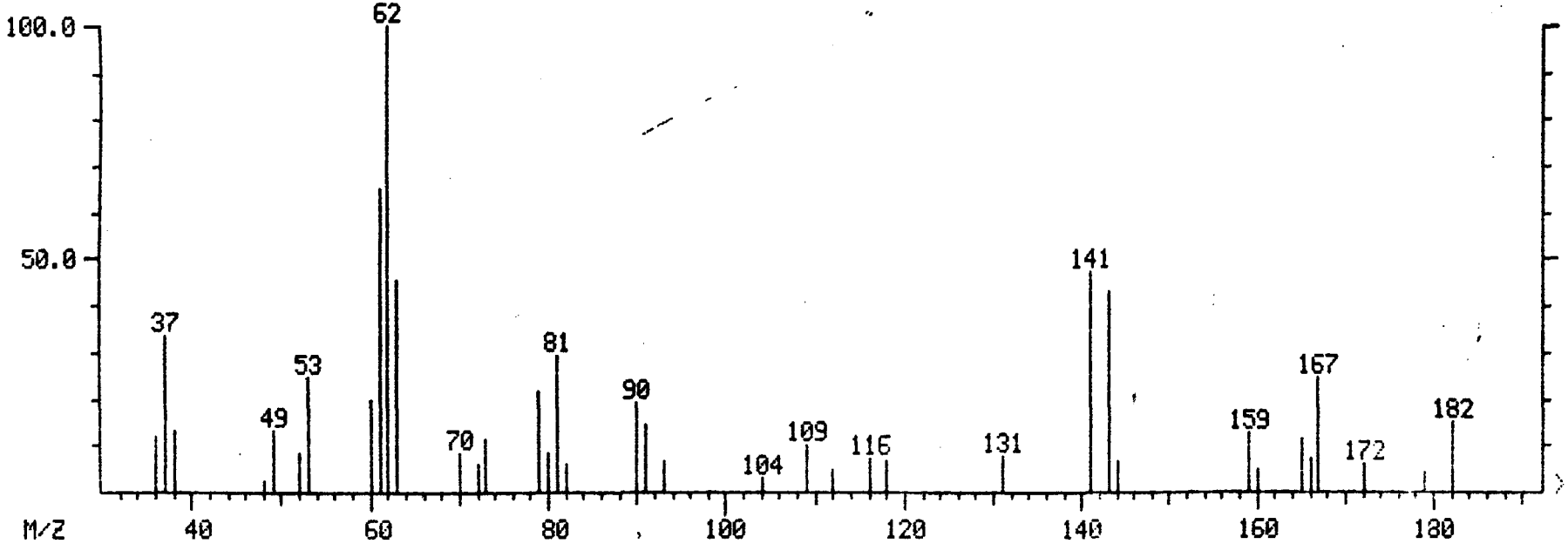


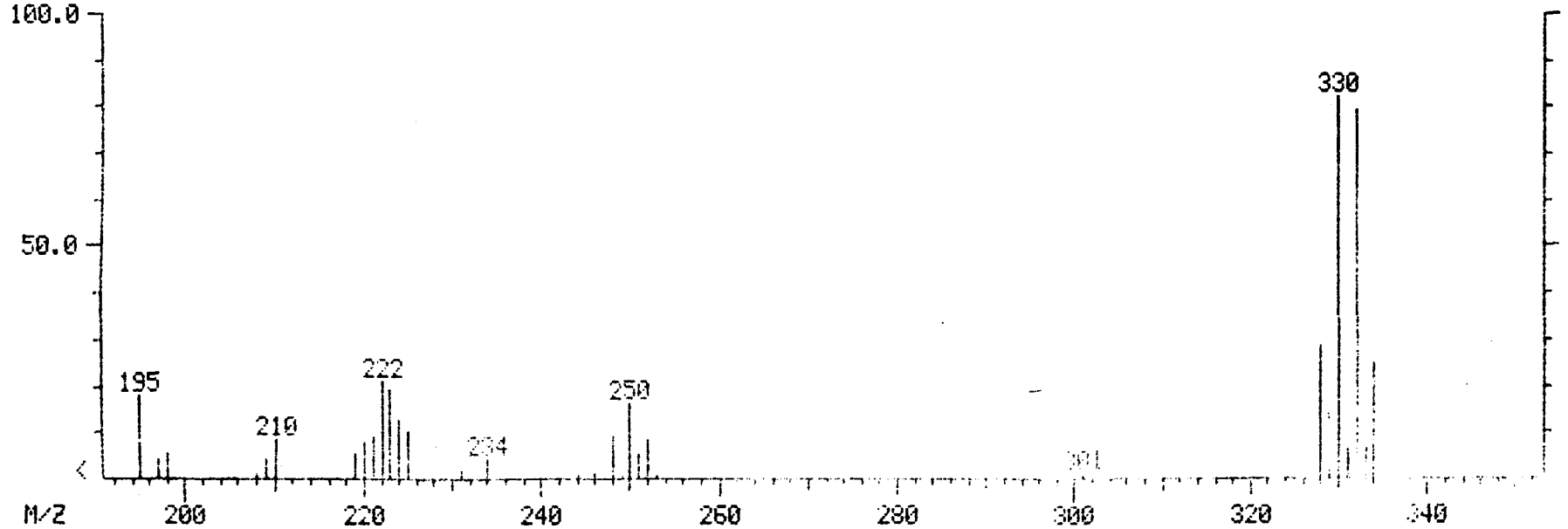
MASS SPECTRUM
04/22/91 17:05:00 + 21:39
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2185
CALI: APR22VG01 #3

BASE M/Z: 62
RIC: 11952.

001627



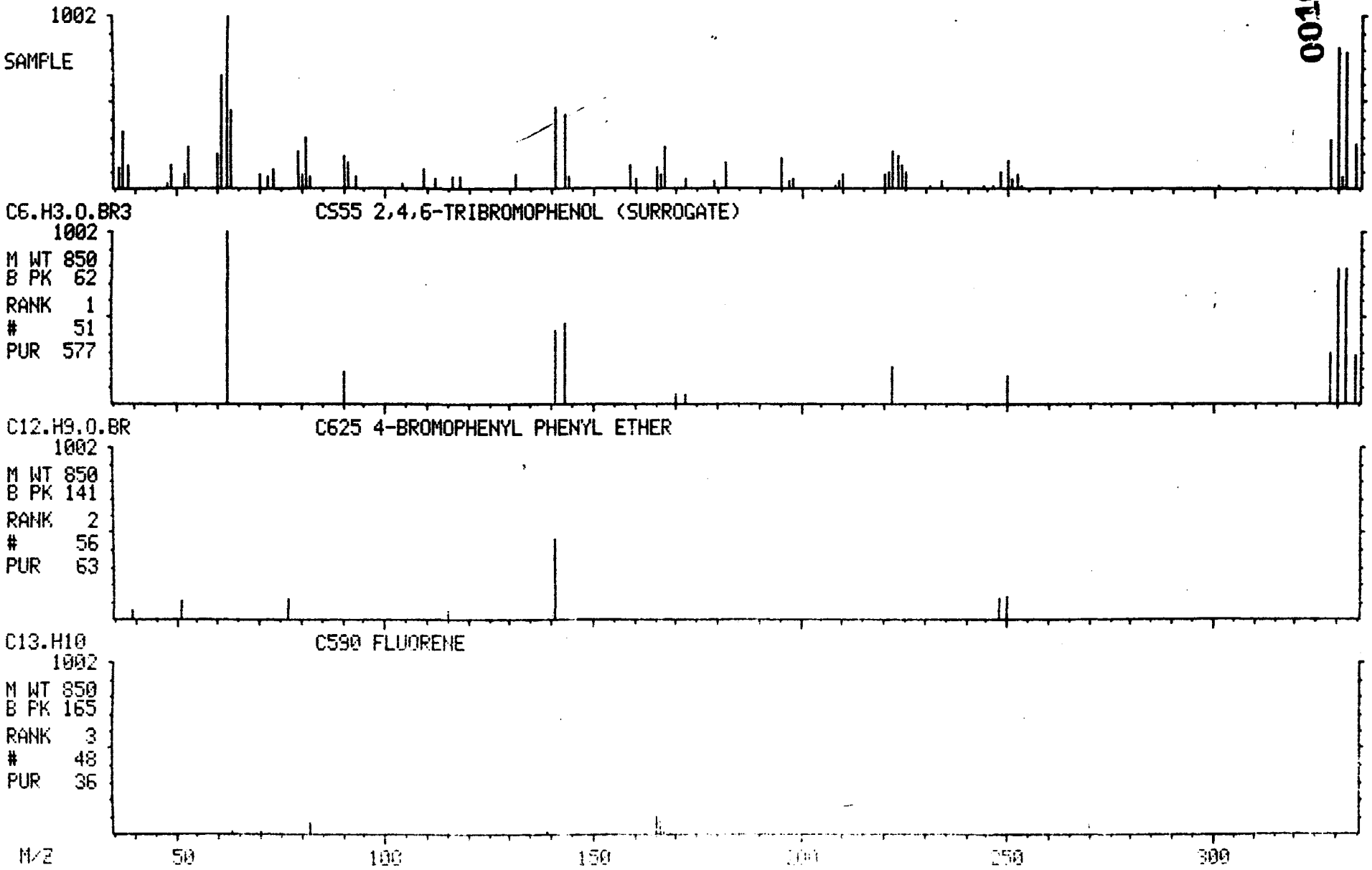


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 21:39
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2185
CALI: APR22VG01 # 3

BASE M/Z: 62
RIC: 11824.

001628

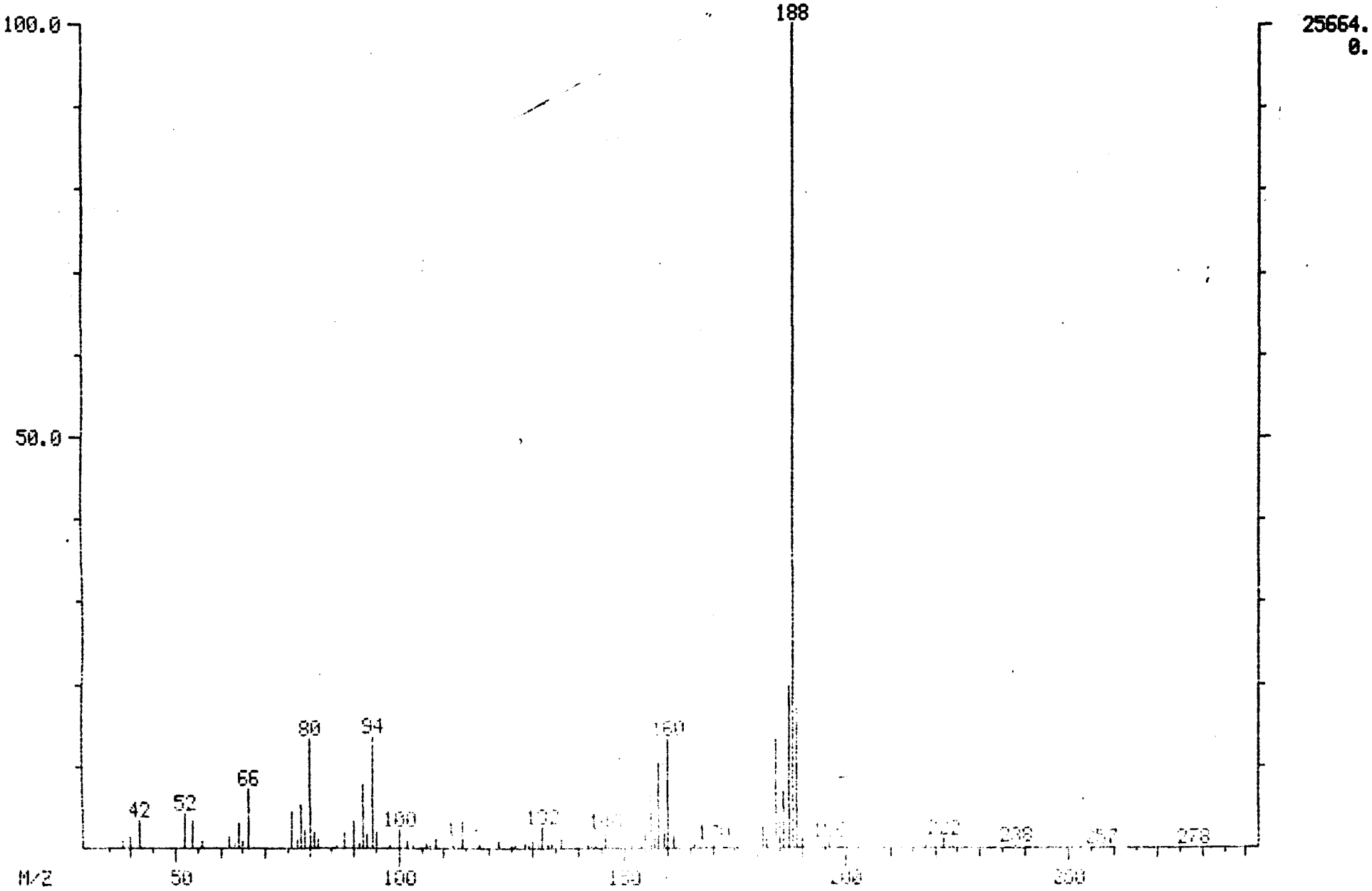


MASS SPECTRUM
04/22/91 17:05:00 + 23:26
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 236 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2364
CALI: APR22VG01 #3

BASE M/Z: 188
RIC: 81408.

001629

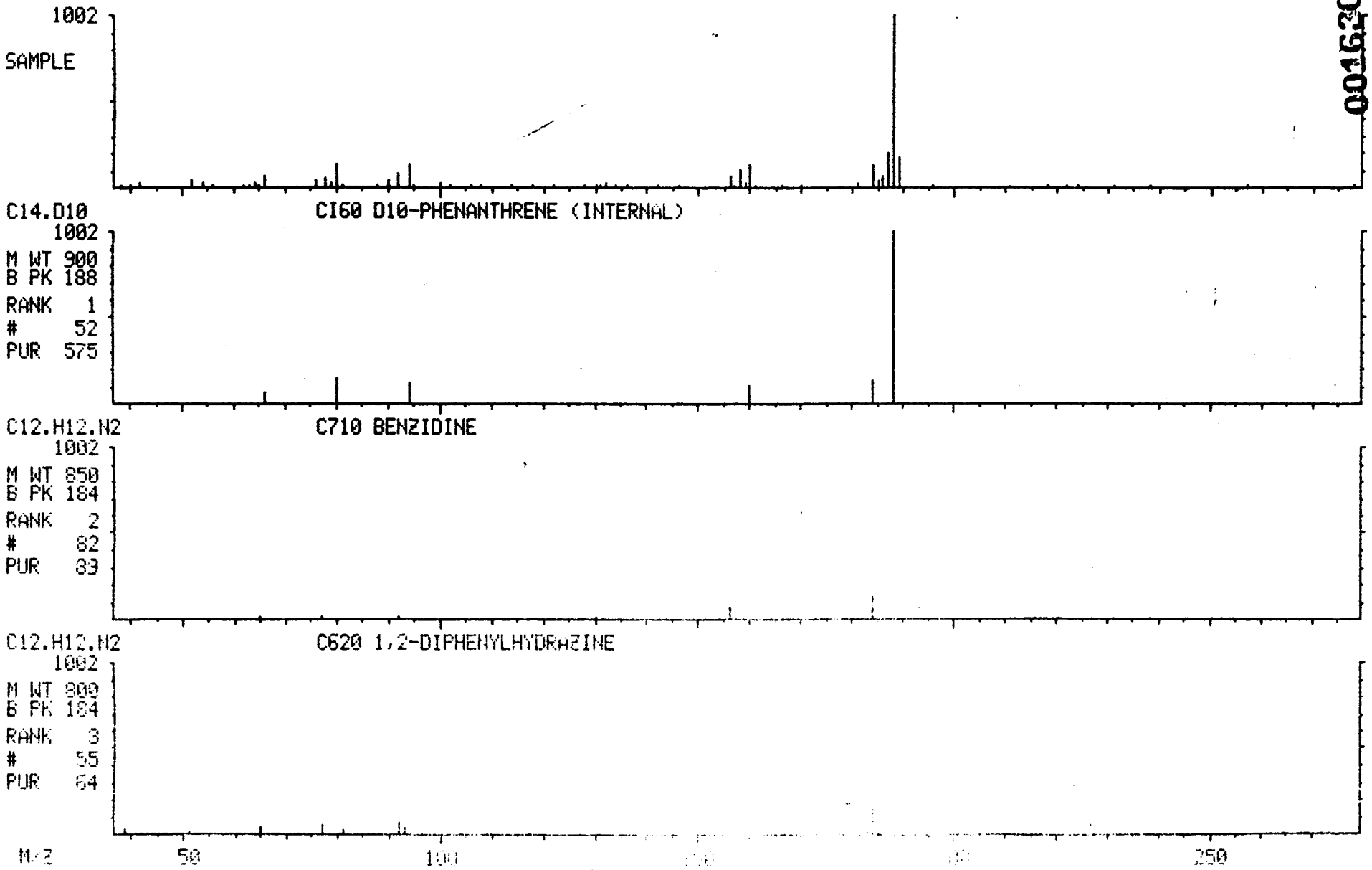


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 23:26
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2364
CALI: APR22VG01 # 3

BASE M/Z: 188
RIC: 77440.

001620

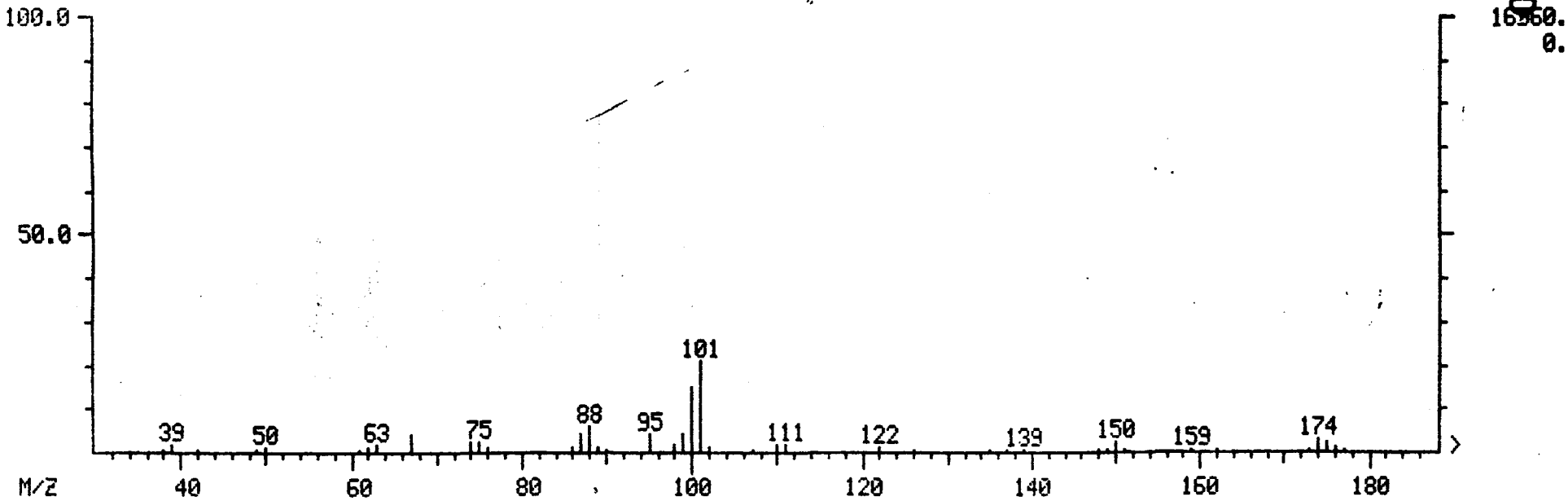


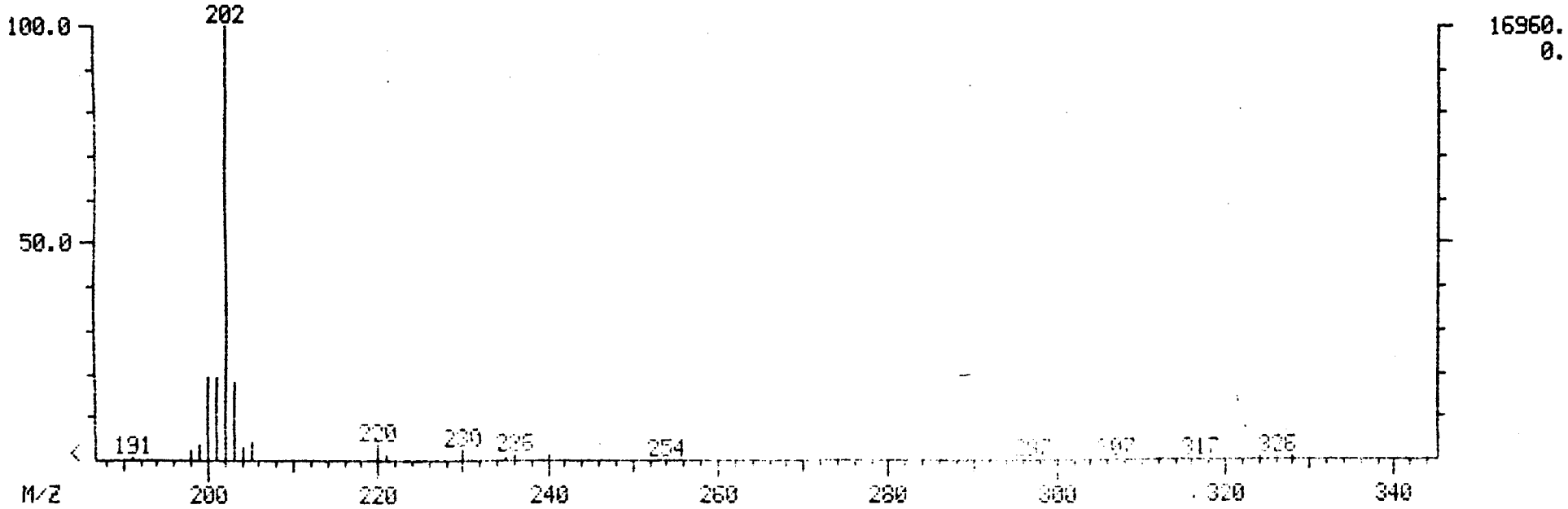
MASS SPECTRUM
04/22/91 17:05:00 + 27:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 274 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2749
CALI: APR22VG01 #3

BASE M/Z: 202
RIC: 47936.

001631



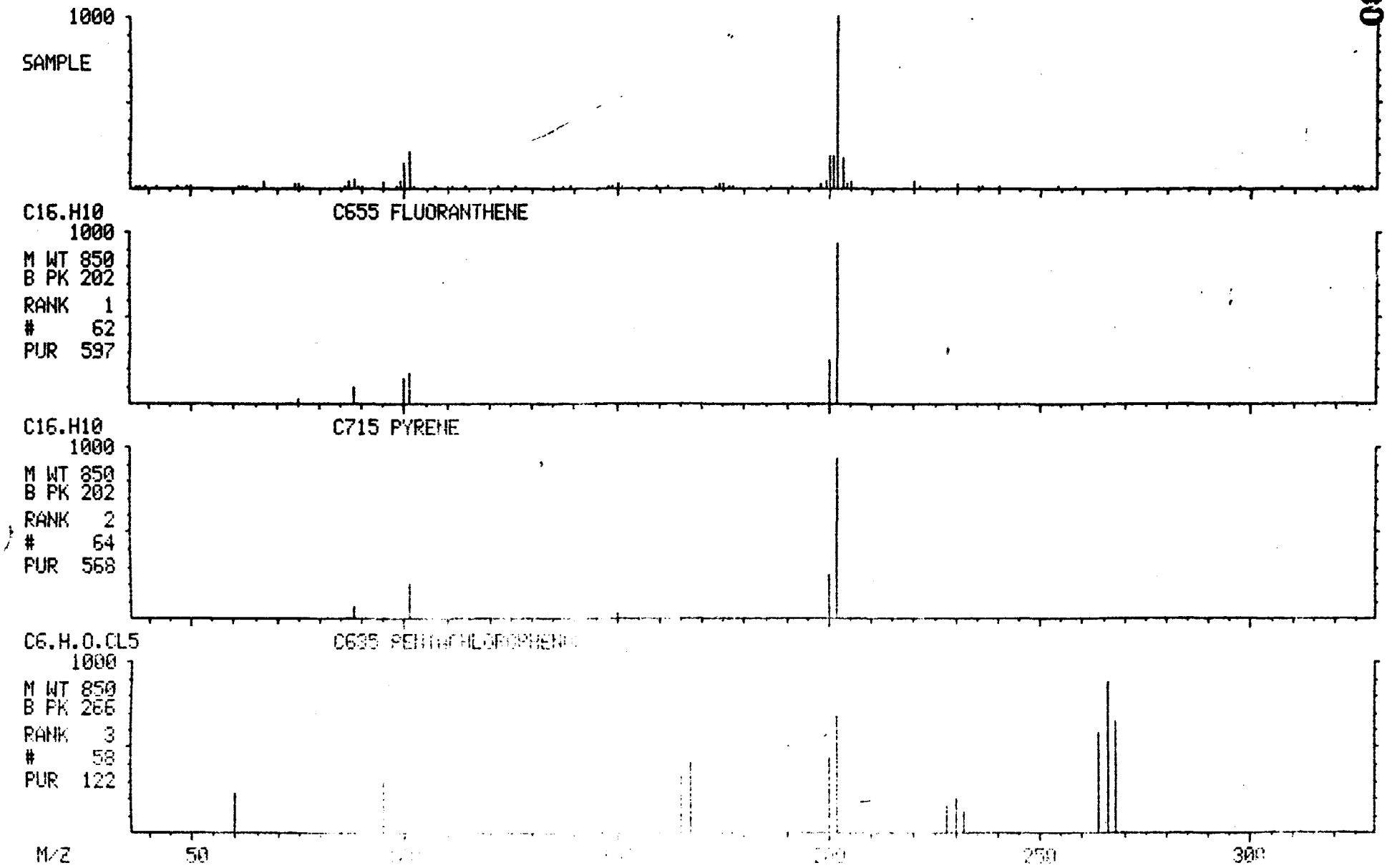


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 27:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2749
CALI: APR22VG01 # 3

BASE M/Z: 202
RIC: 47936.

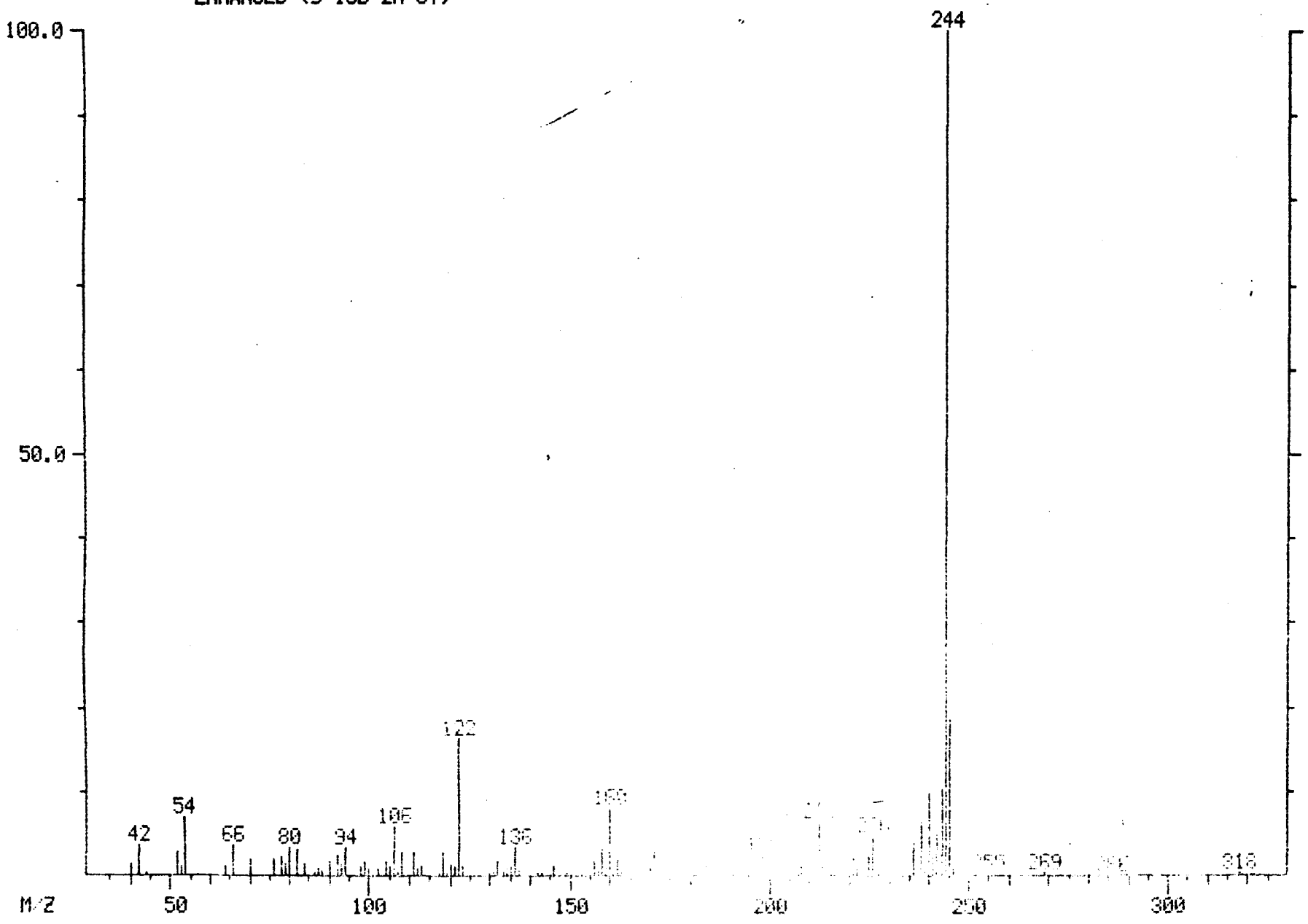
001632



MASS SPECTRUM
04/22/91 17:05:00 + 27:37
SAMPLE: 90905 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: APR22VG01 #2787
CALI: APR22VG01 #3

BASE M/Z: 244
RIC: 84736.



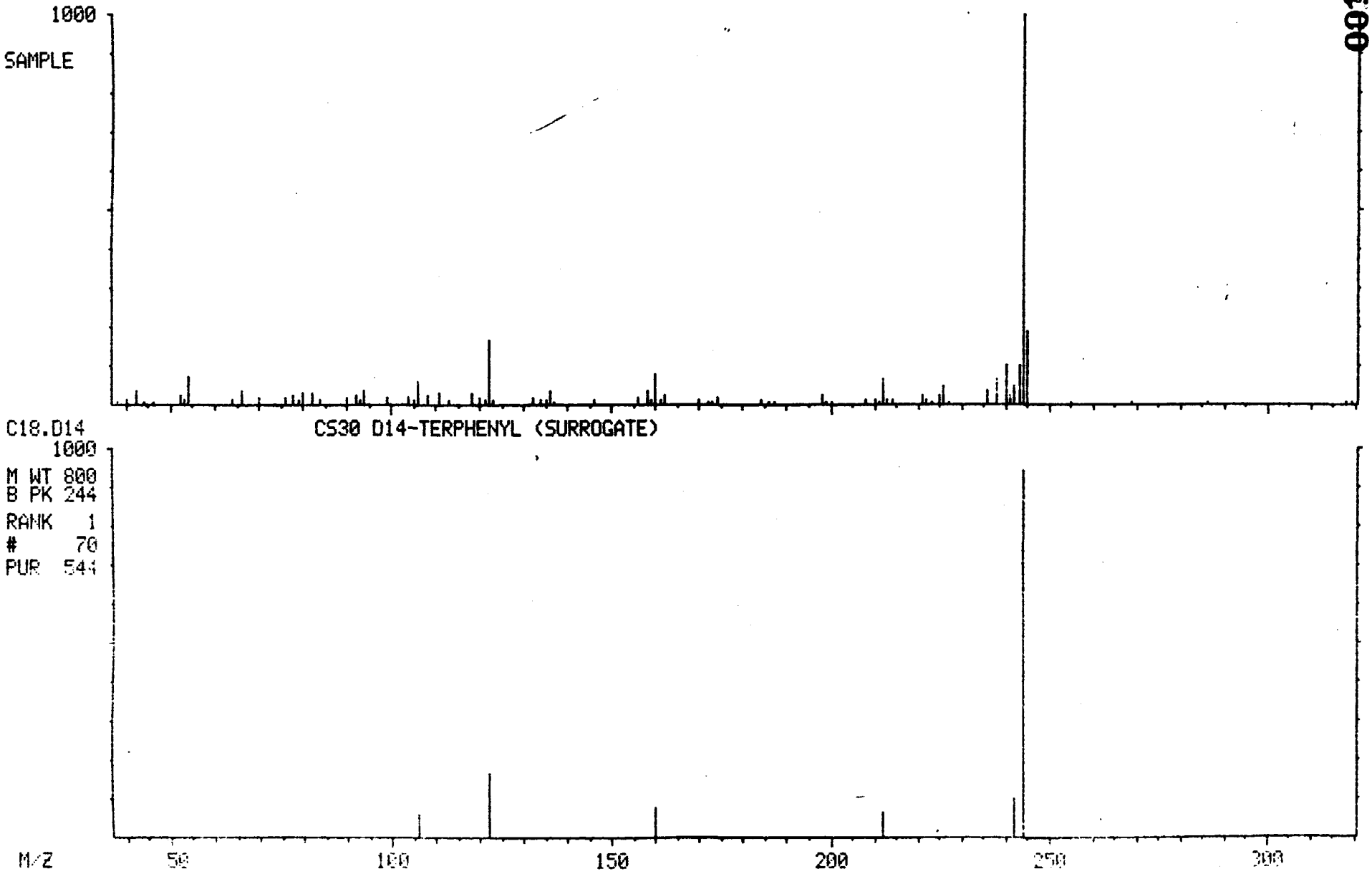
00633

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 27:37
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2787
CALI: APR22VG01 # 3

BASE M/Z: 244
RIC: 81280.

001634

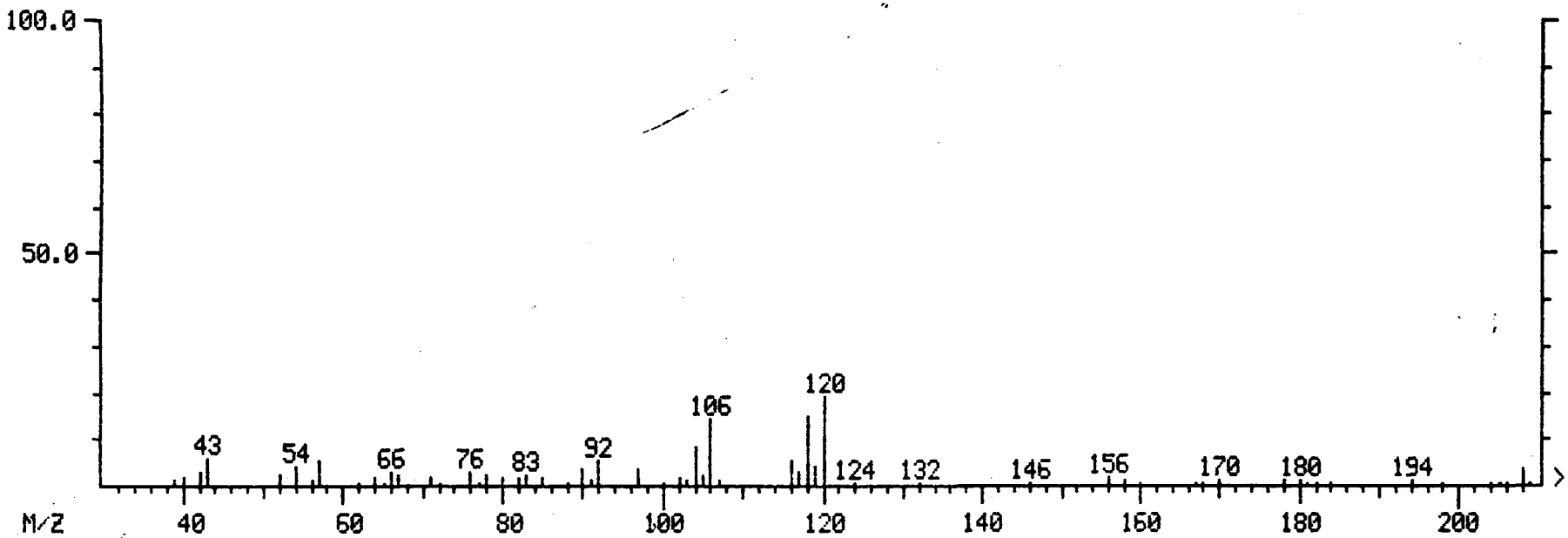


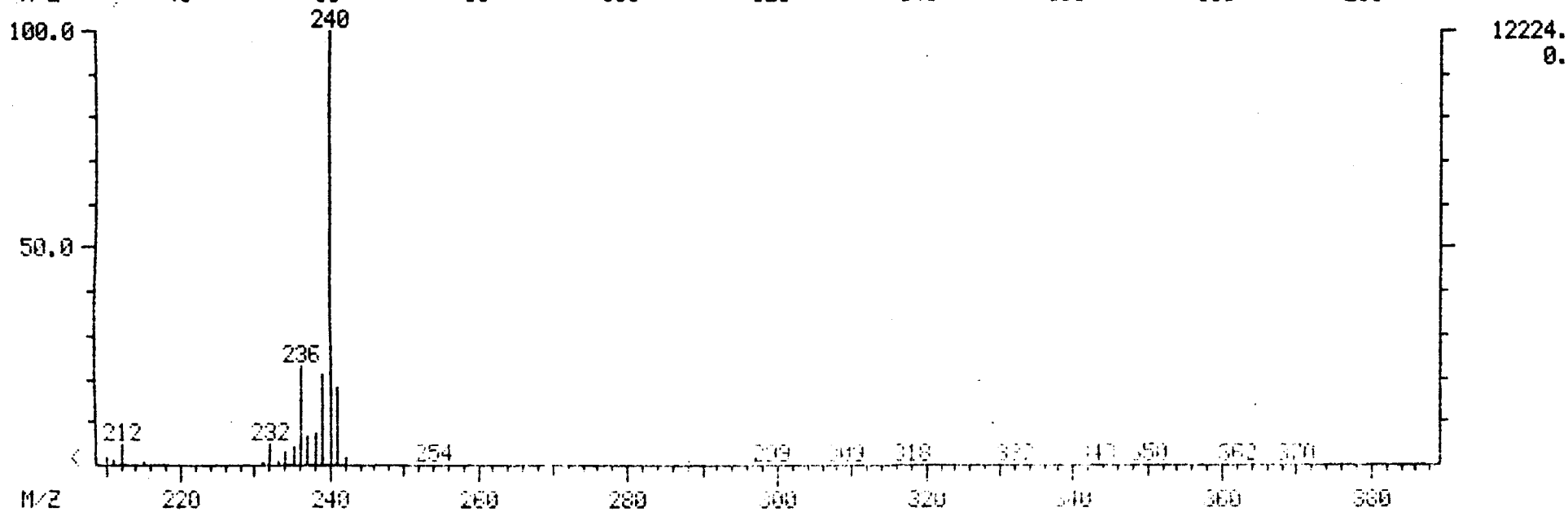
MASS SPECTRUM
04/22/91 17:05:00 + 31:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3153
CALI: APR22VG01 #3

BASE M/Z: 240
RIC: 43776.

001635



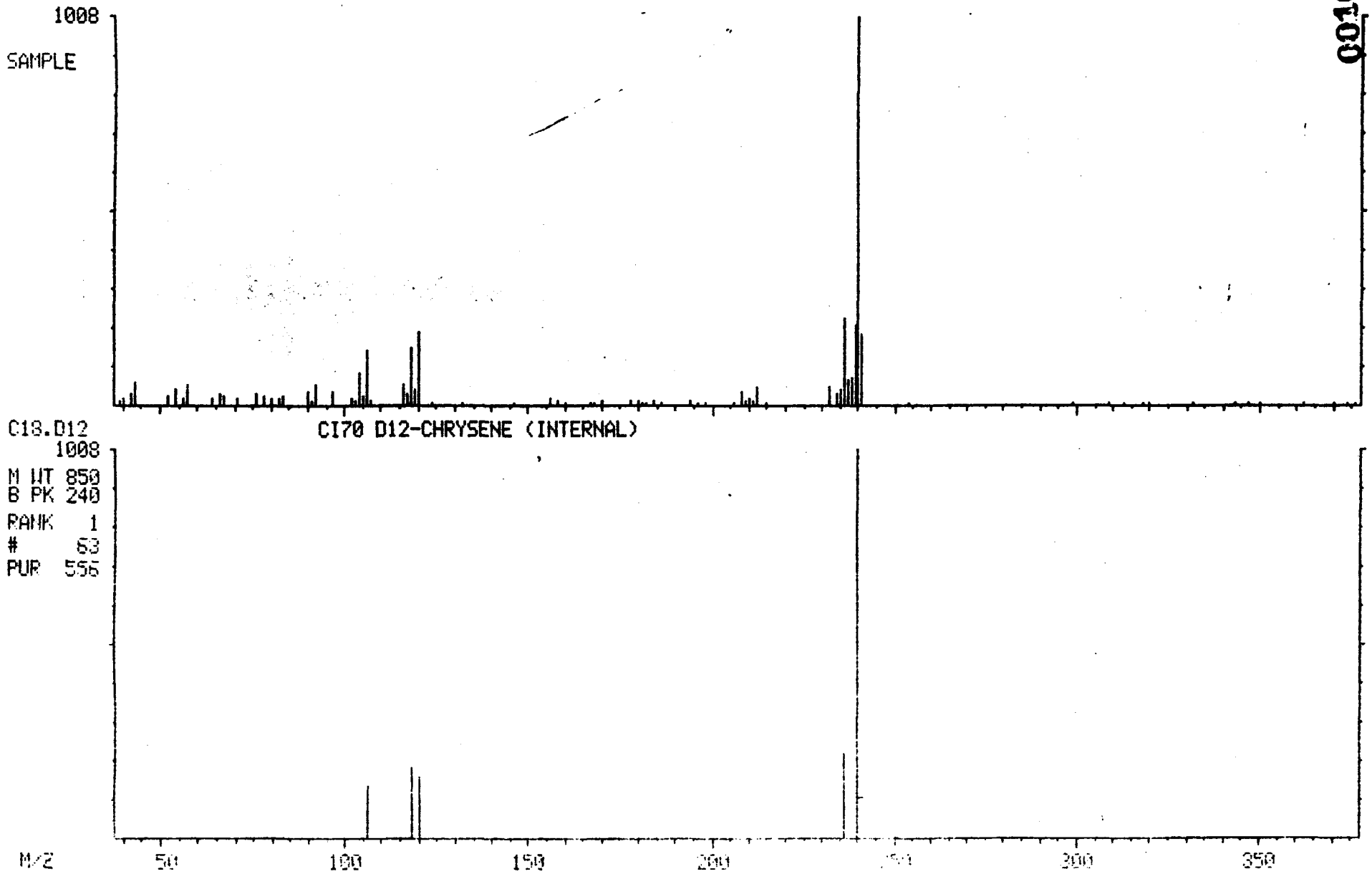


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 31:15
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3153
CALI: APR22VG01 # 3

BASE M/Z: 240
RIC: 42496.

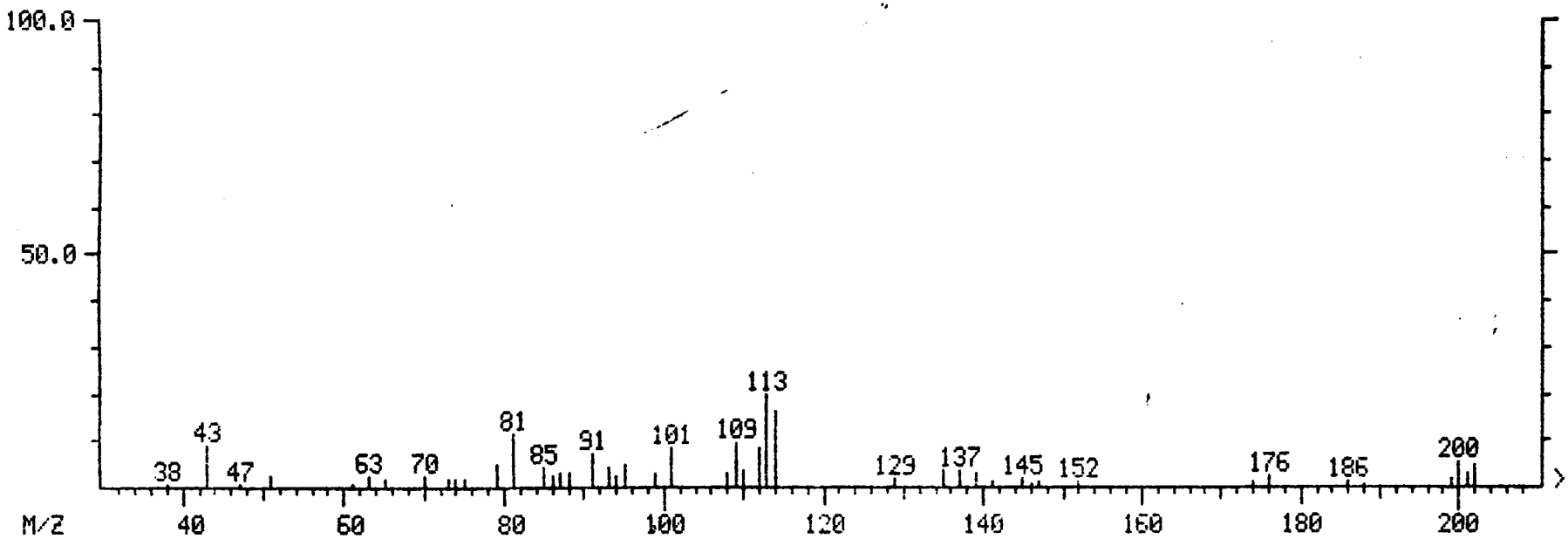
001636

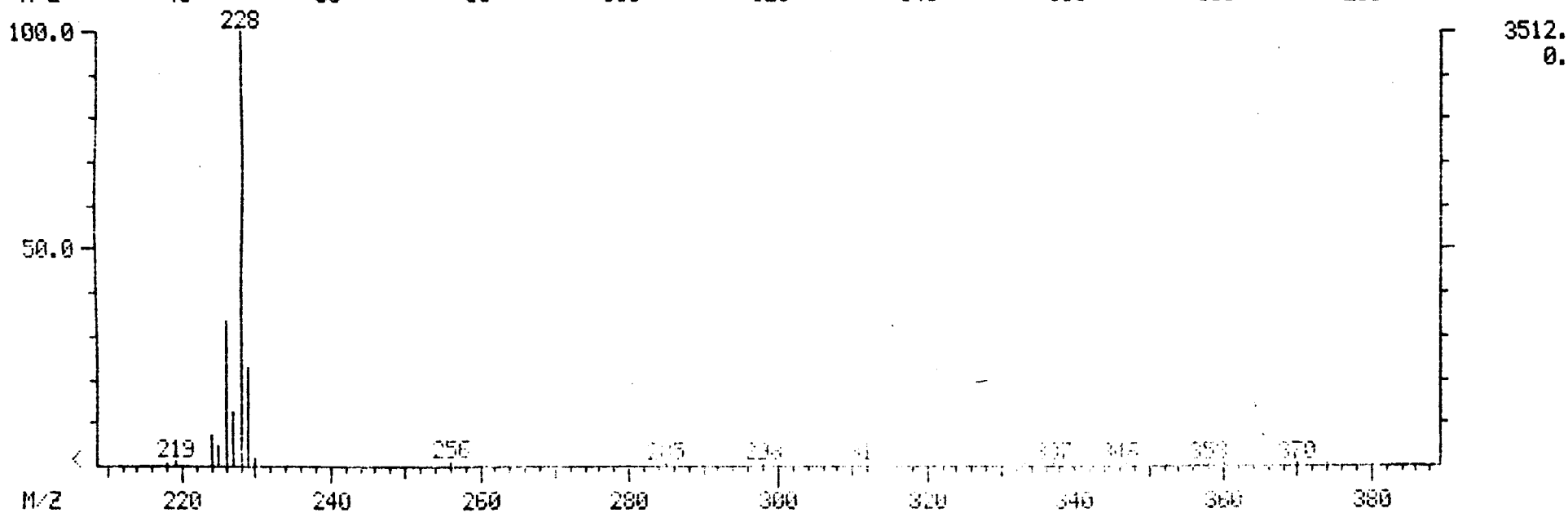


MASS SPECTRUM
04/22/91 17:05:00 + 31:20
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3161
CALI: APR22VG01 #3

BASE M/Z: 228
RIC: 13152.





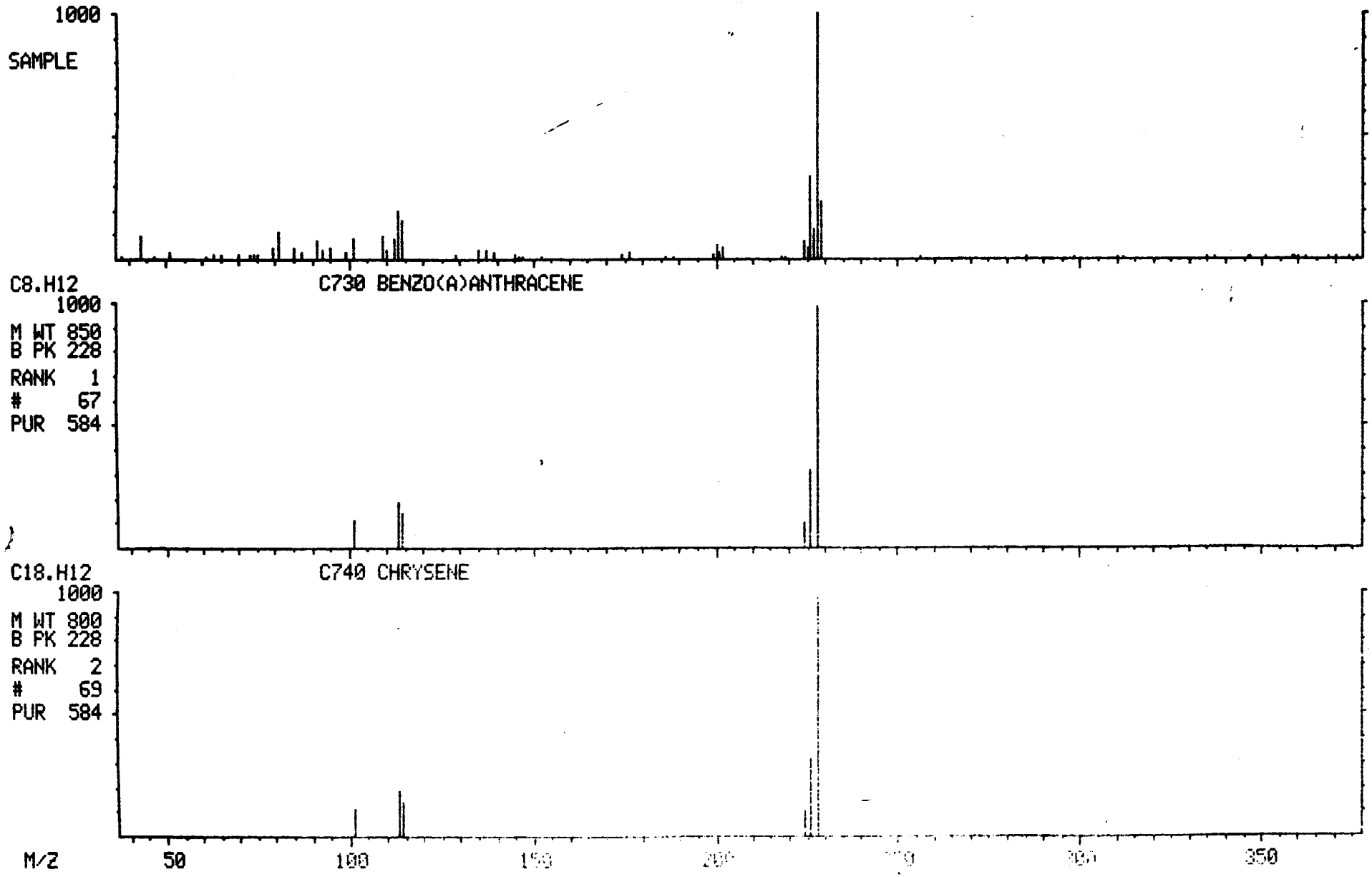
00437

MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 31:20
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3161
CALI: APR22VG01 # 3

BASE M/Z: 228
RIC: 12704.

001638

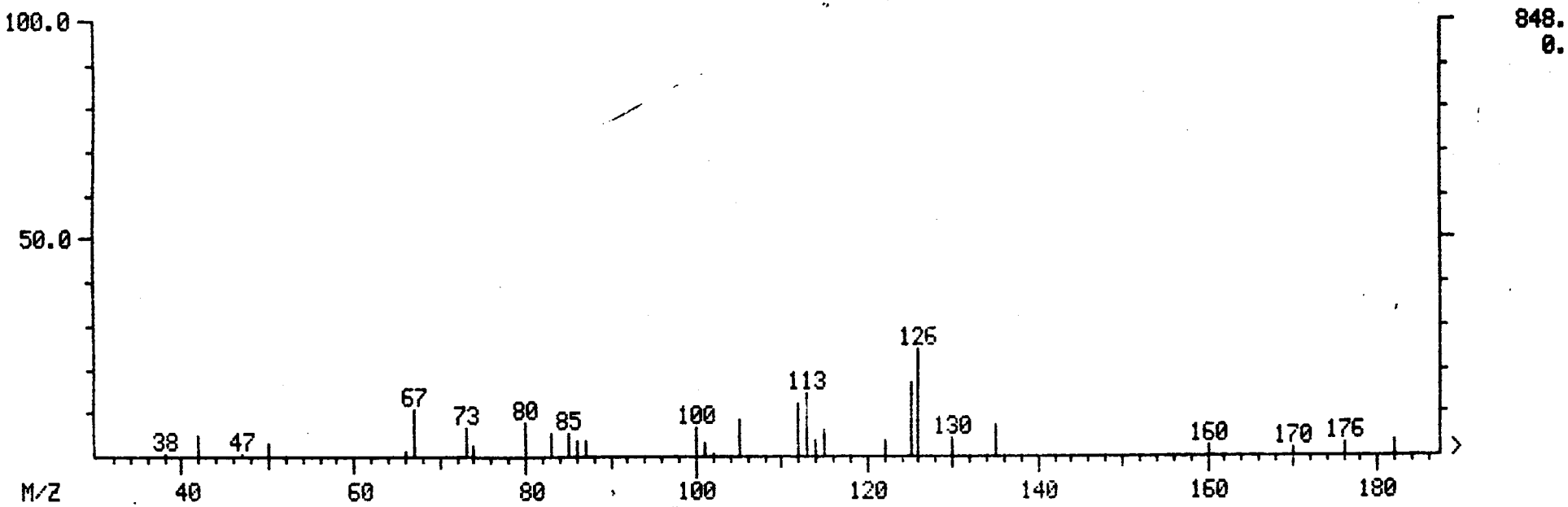


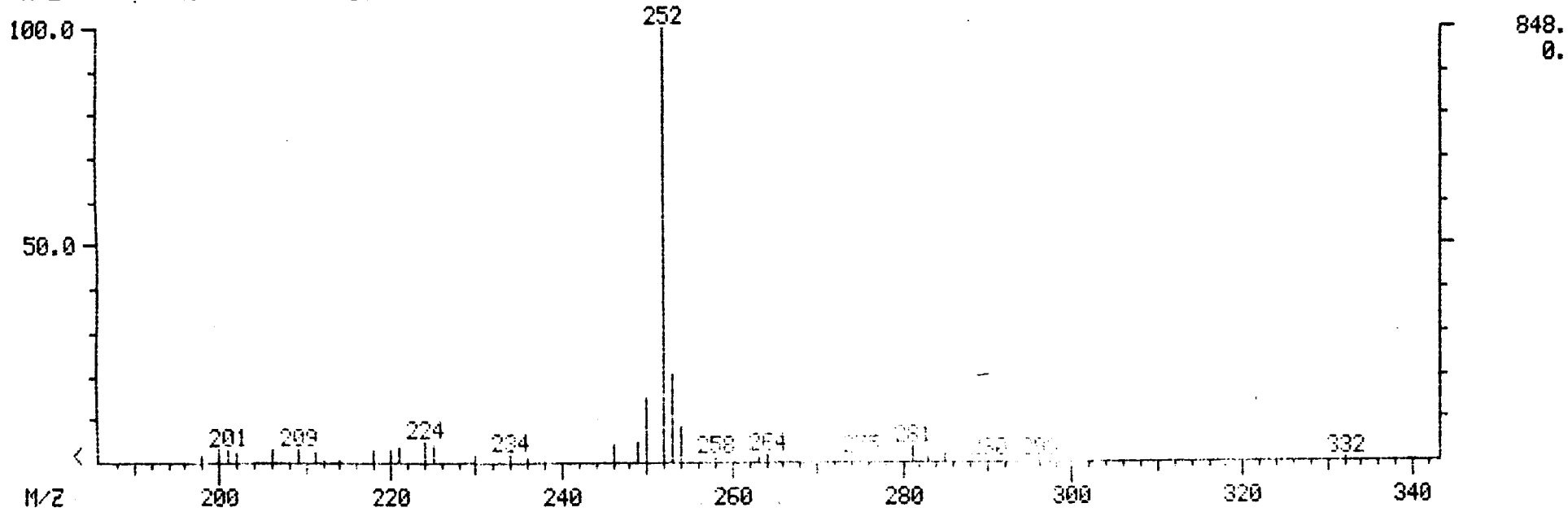
MASS SPECTRUM
04/22/91 17:05:00 + 37:24
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3774
CALI: APR22VG01 #3

BASE M/Z: 252
RIC: 3324.

001639



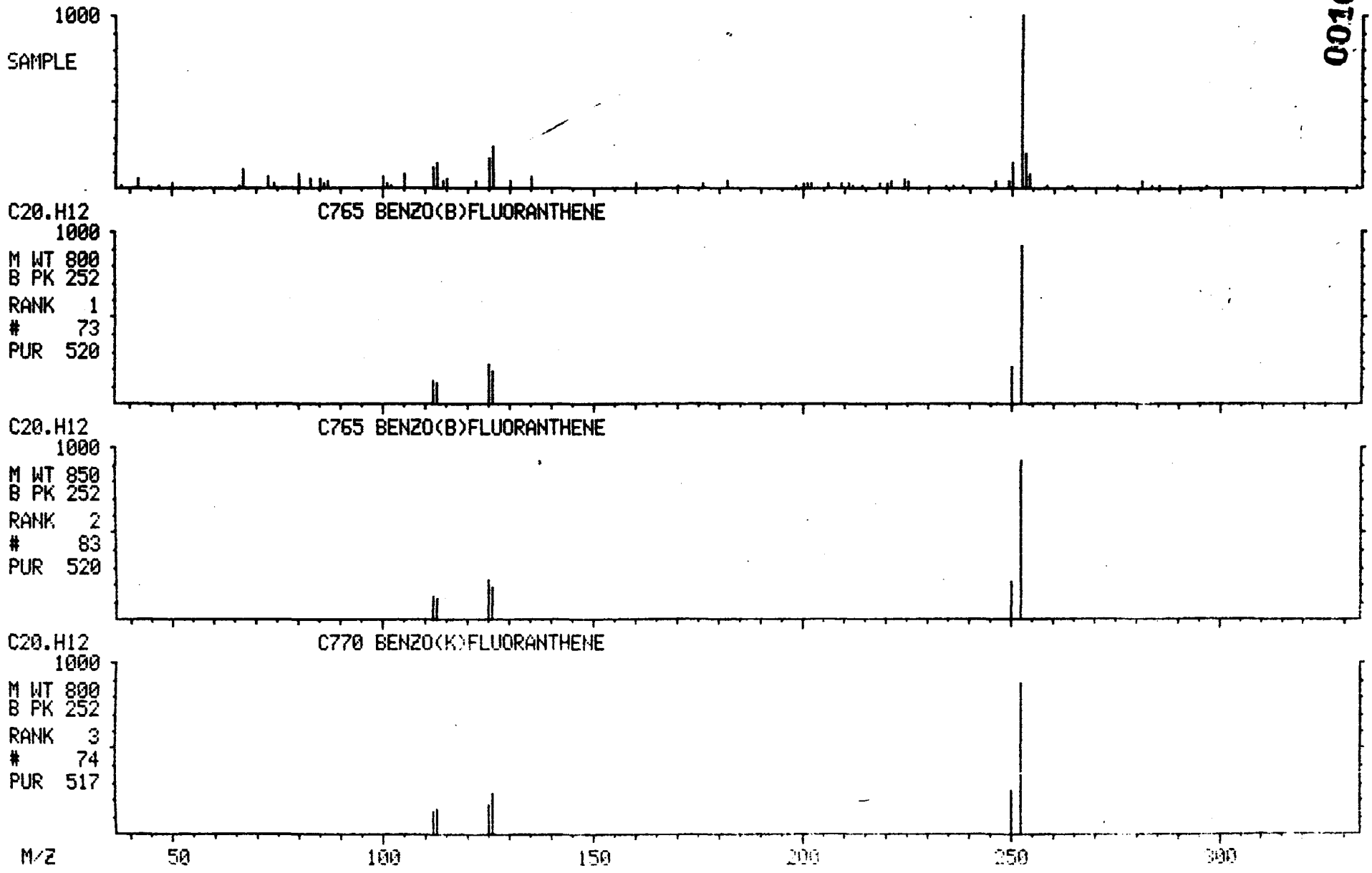


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 37:24
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #3774
CALI: APR22VG01 # 3

BASE M/Z: 252
RIC: 3324.

001640

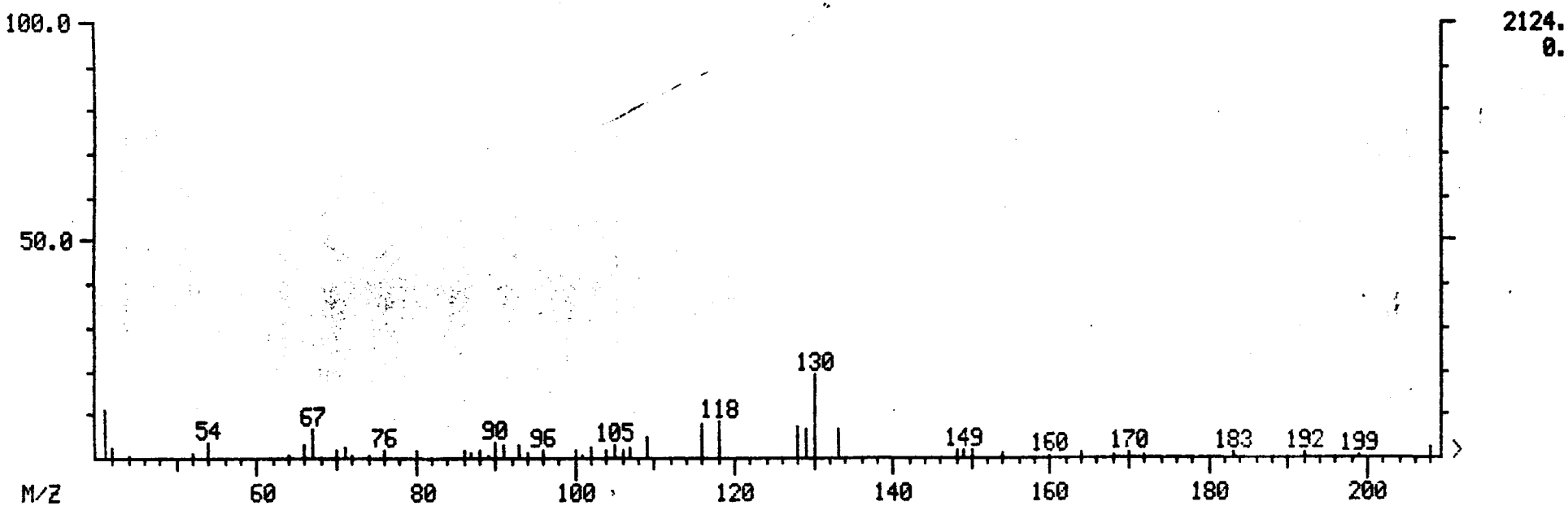


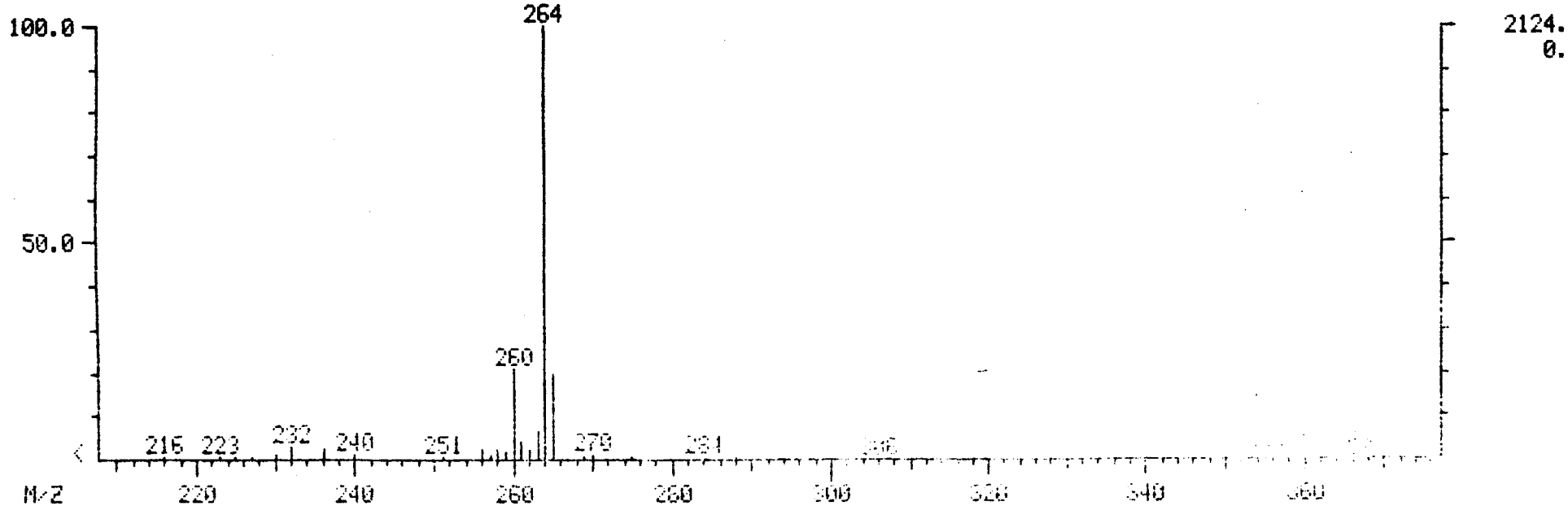
MASS SPECTRUM
04/22/91 17:05:00 + 40:28
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #4083
CALI: APR22VG01 #3

BASE M/Z: 264
RIC: 6960.

001641



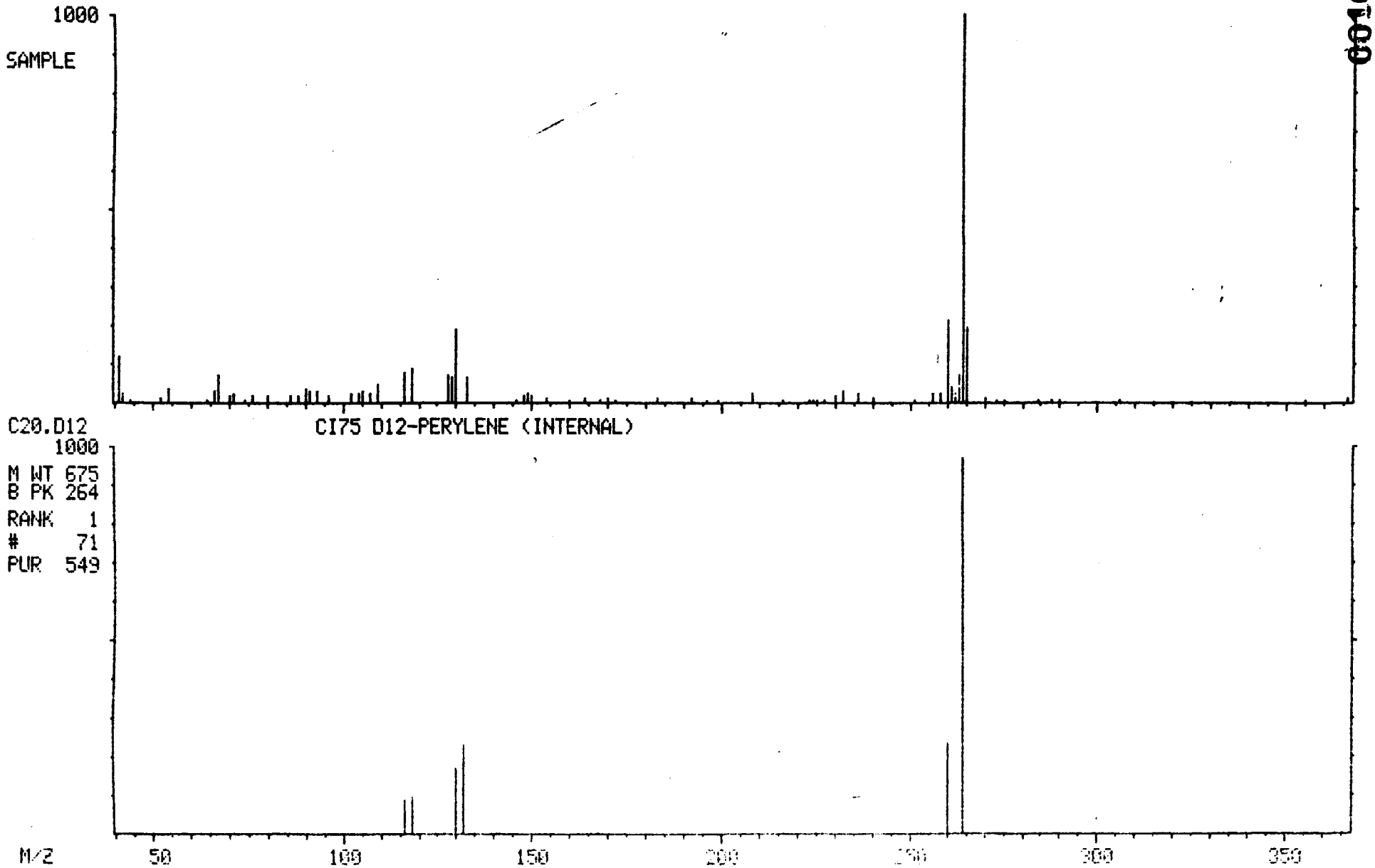


MID LIBRARY SEARCH (LIBRARYSW)
04/22/91 17:05:00 + 40:28
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #4083
CALI: APR22VG01 # 3

BASE M/Z: 264
RIC: 6712.

001642



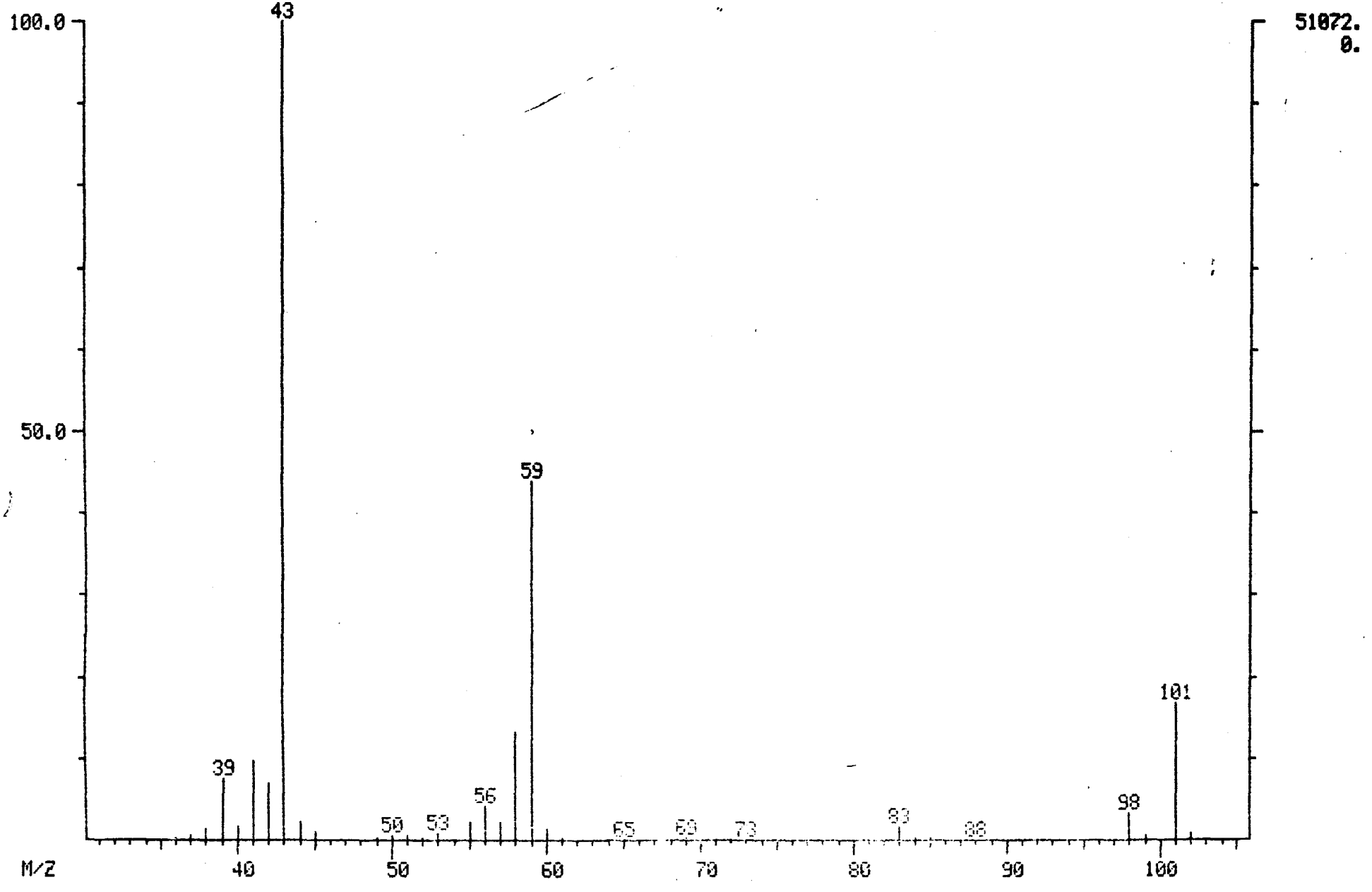
NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/22/91 17:05:00 + 8:08
SAMPLE: 90905 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: APR22VG01 #820
CALI: APR22VG01 #3

BASE M/Z: 43
RIC: 115456.

001644

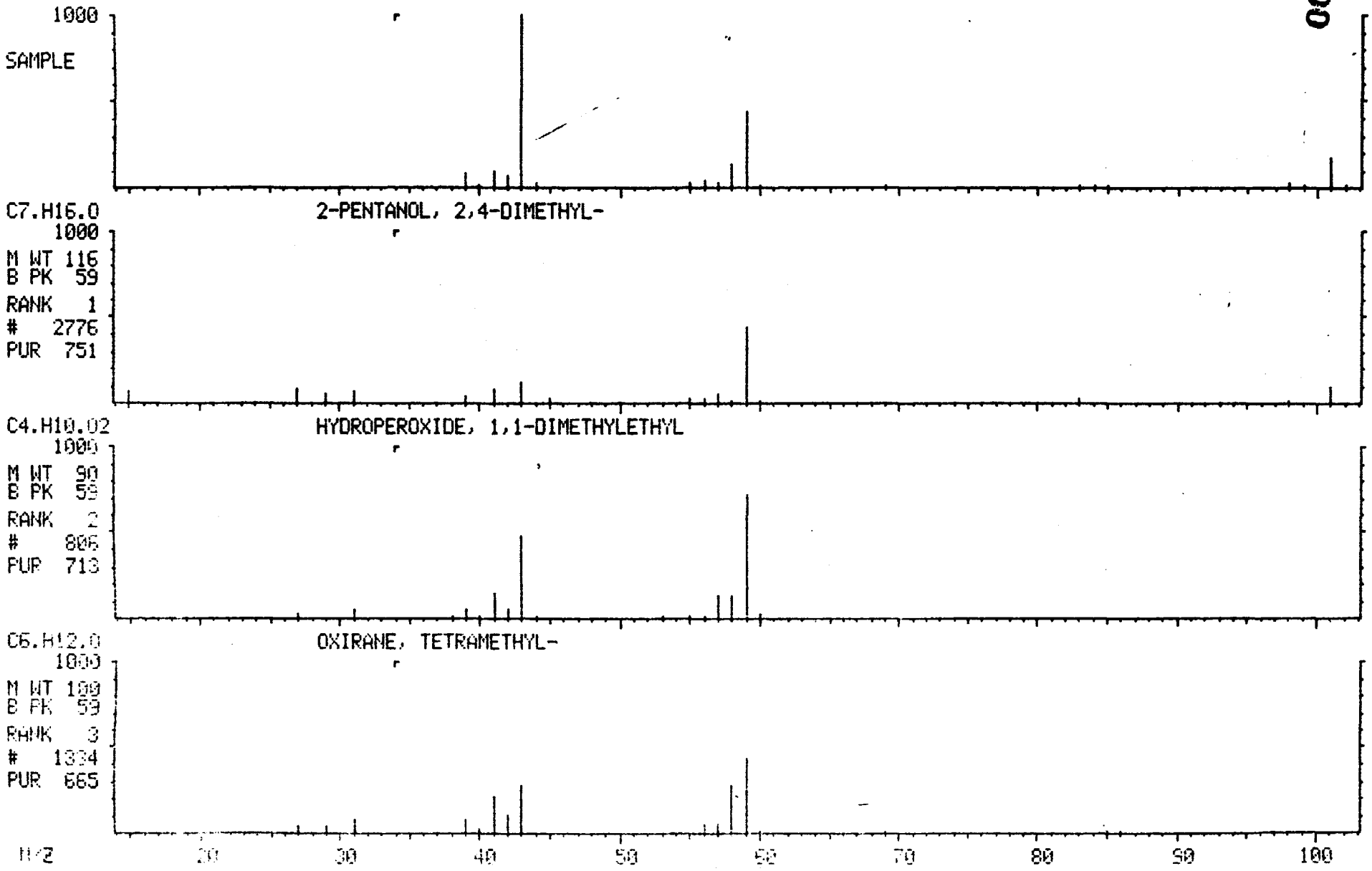


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 8:08
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 # 820
CALI: APR22VG01 # 3

BASE M/Z: 43
RIC: 112128.

001645

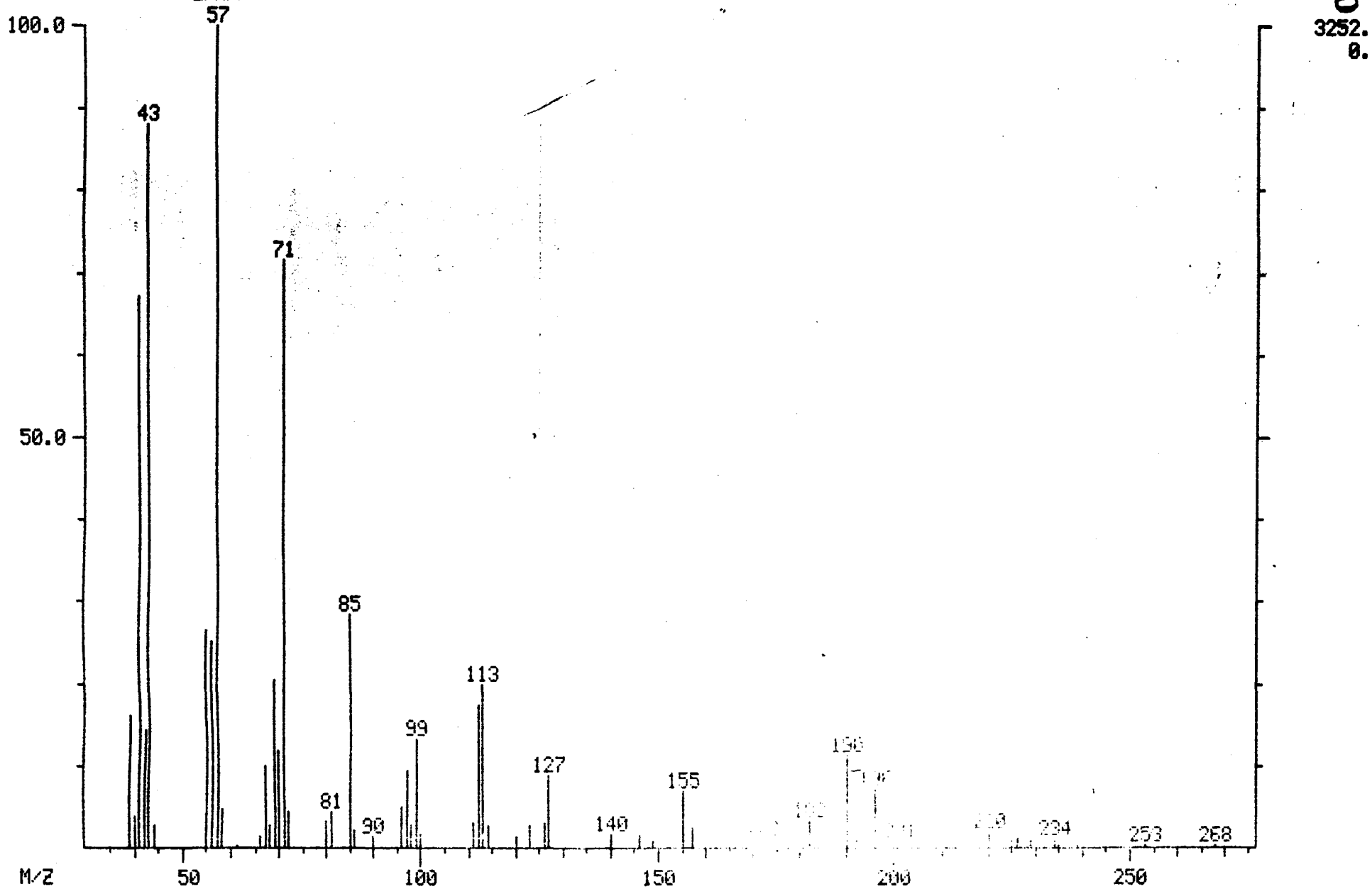


MASS SPECTRUM
04/22/91 17:05:00 + 21:59
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 221 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2217
CALI: APR22VG01 #3

BASE M/Z: 57
RIC: 21120.

001646

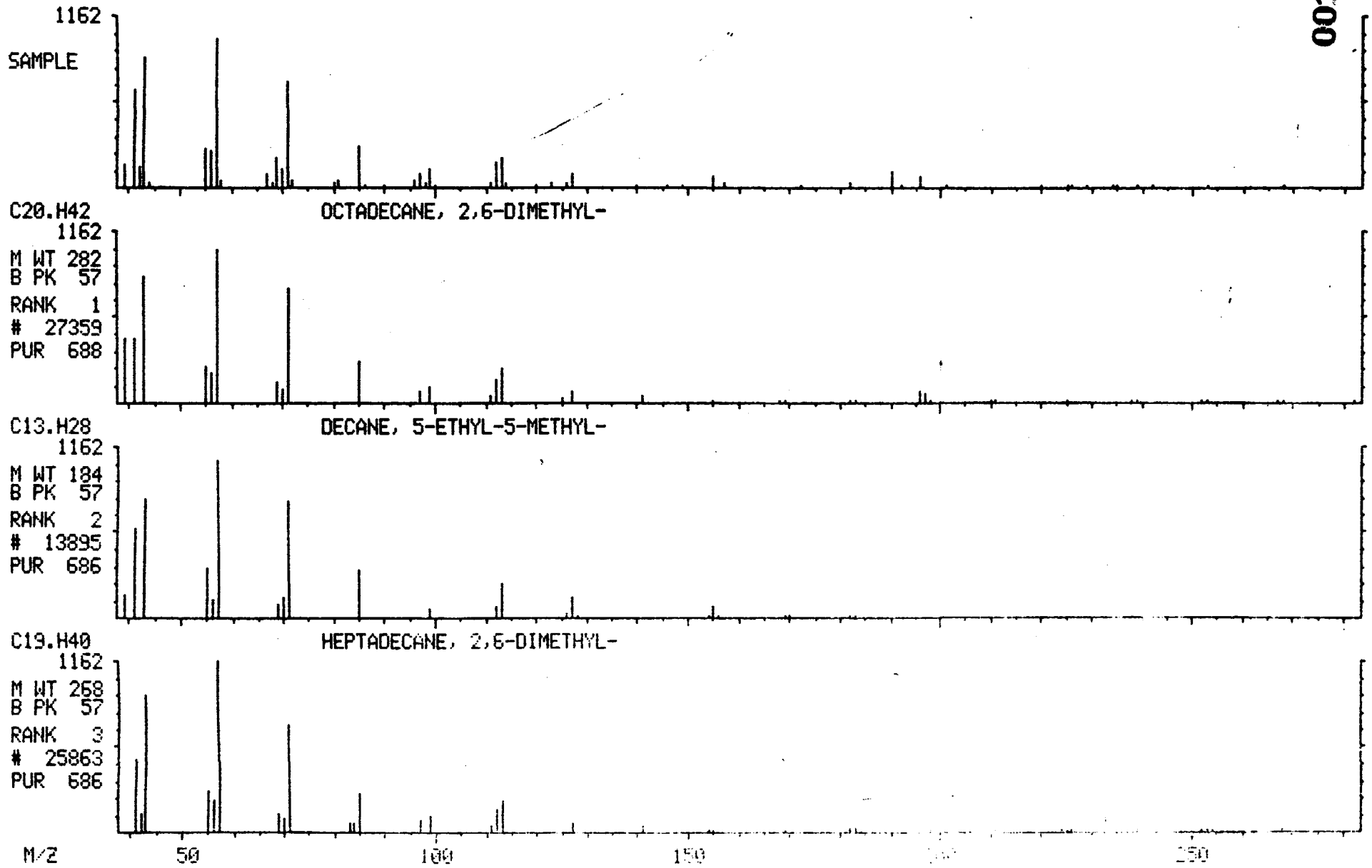


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 21:59
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2217
CALI: APR22VG01 # 3

BASE M/Z: 57
RIC: 20960.

001647

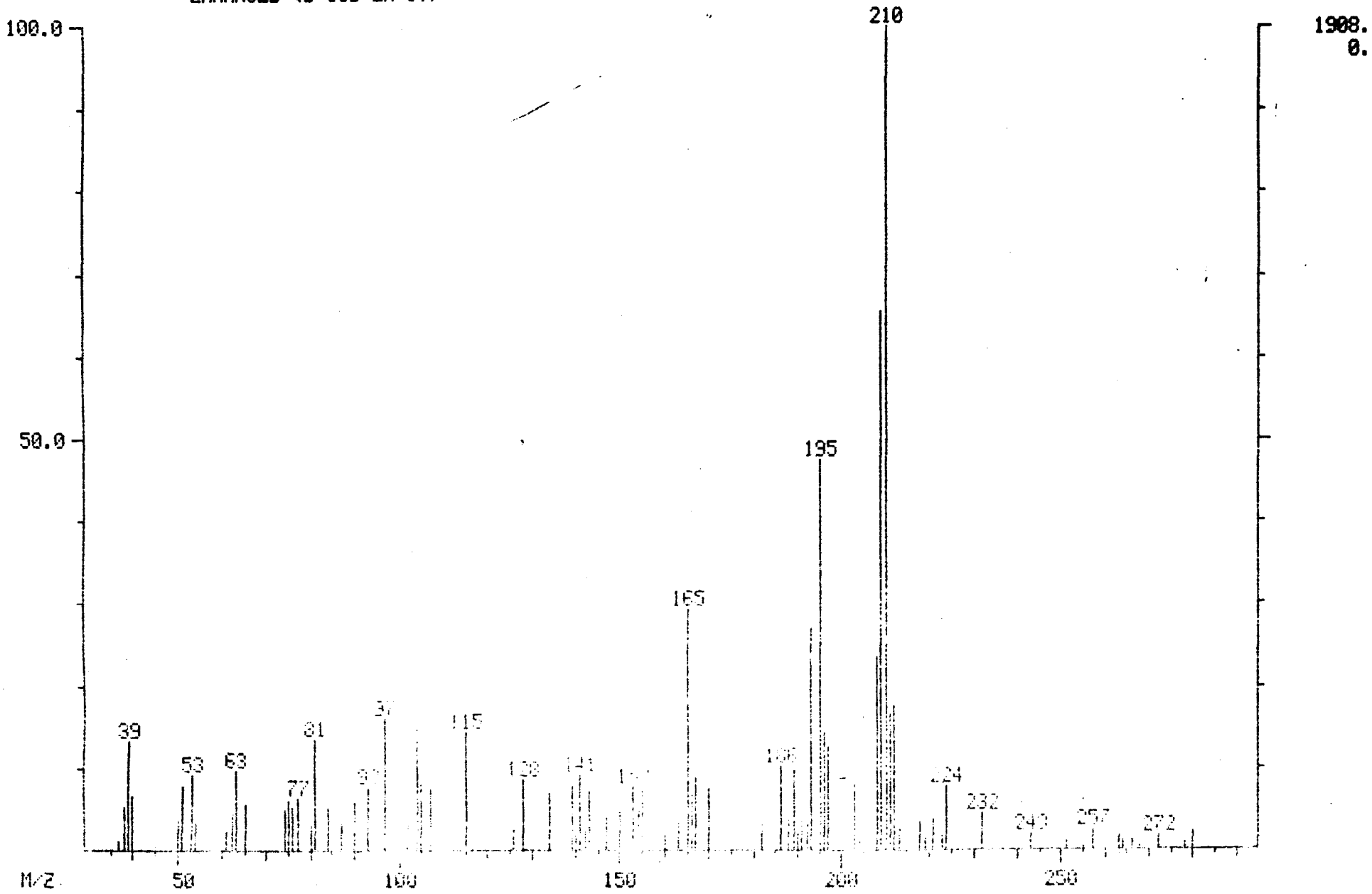


MASS SPECTRUM
04/22/91 17:05:00 + 23:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 240 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2403
CALI: APR22VG01 #3

BASE M/Z: 210
RIC: 14256.

001648

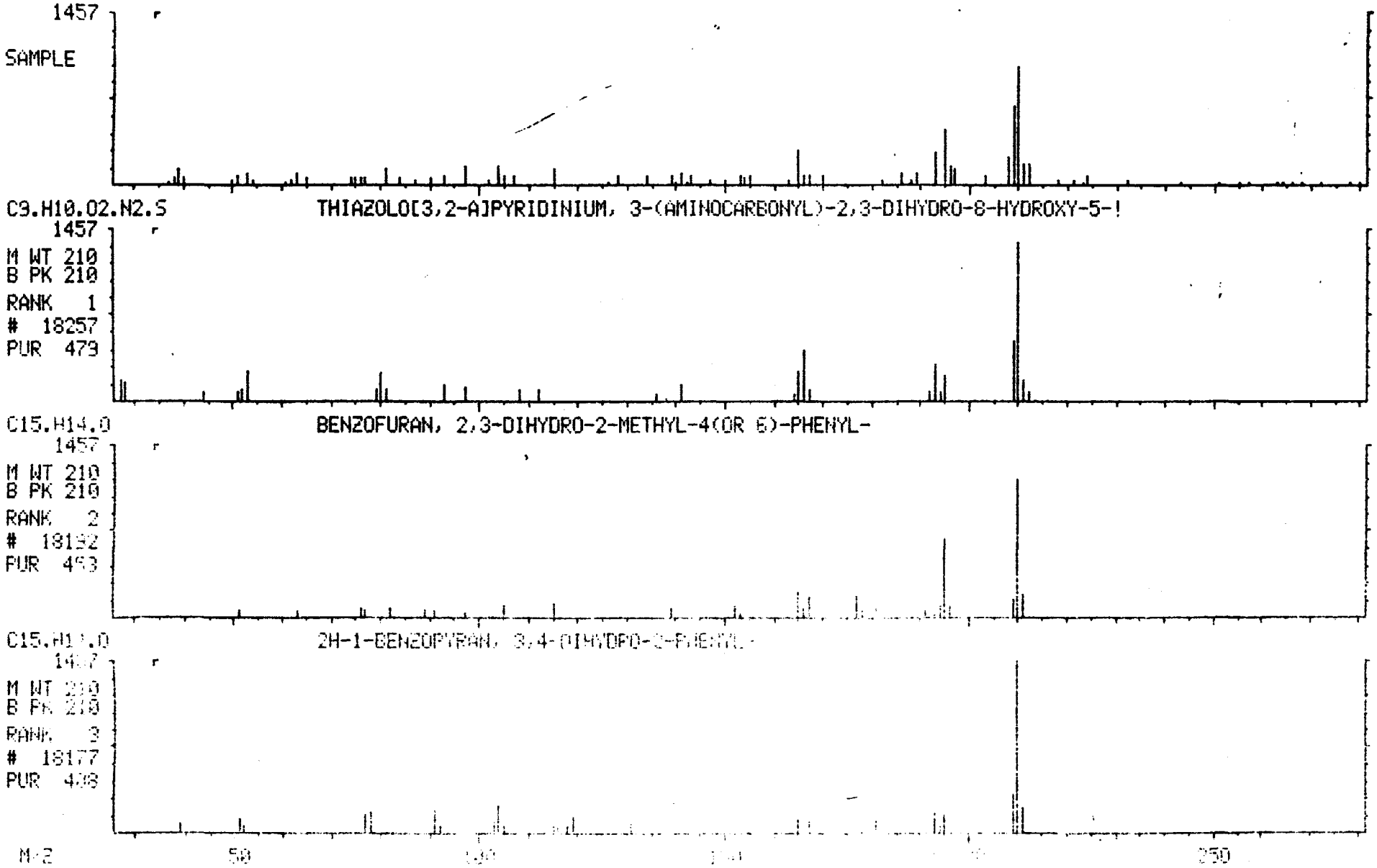


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 23:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2403
CALI: APR22VG01 # 3

BASE M/Z: 210
RIC: 13840.

001649

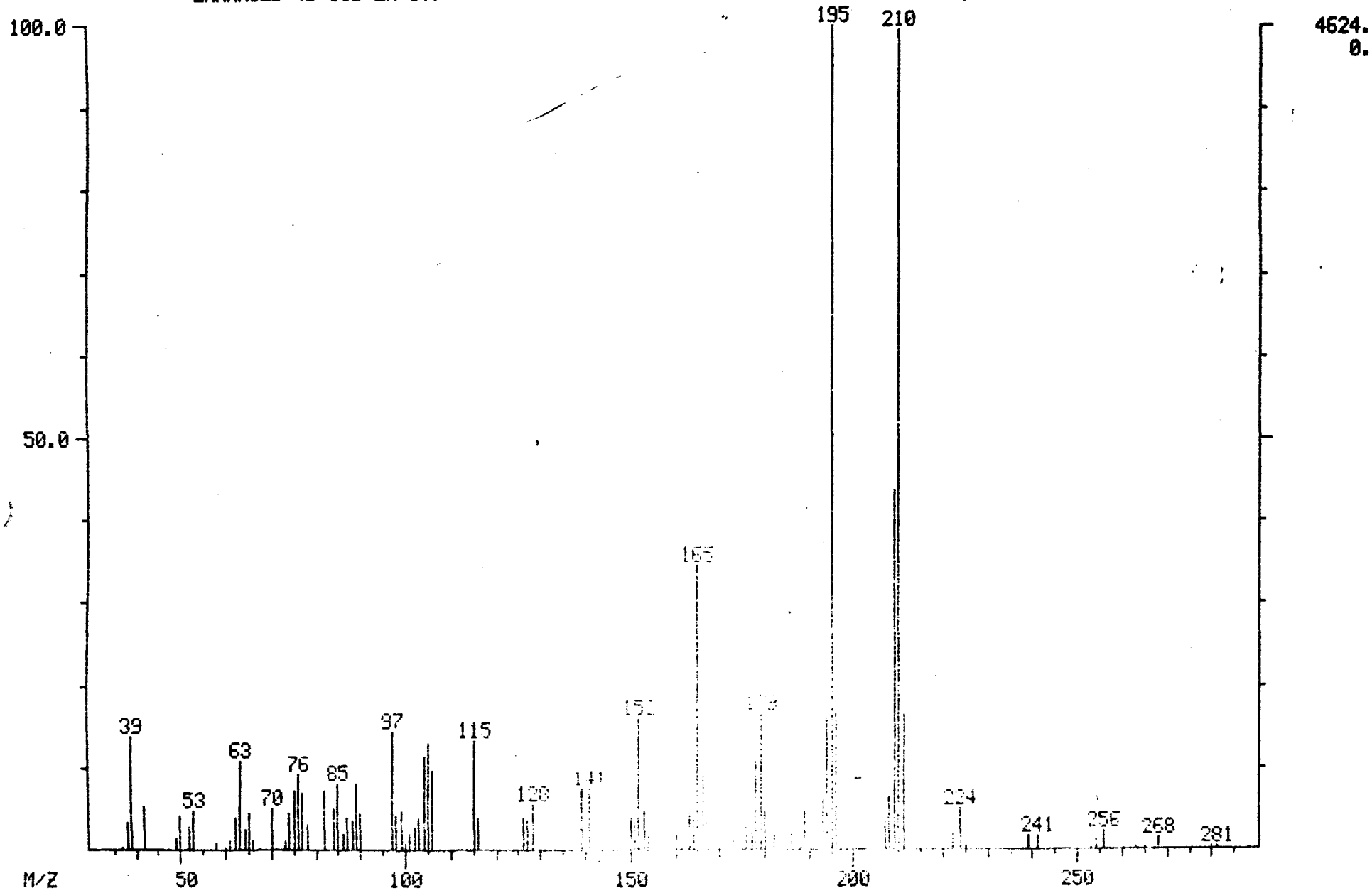


MASS SPECTRUM
04/22/91 17:05:00 + 24:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 243 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2437
CALI: APR22VG01 #3

BASE M/Z: 195
RIC: 33408.

001650

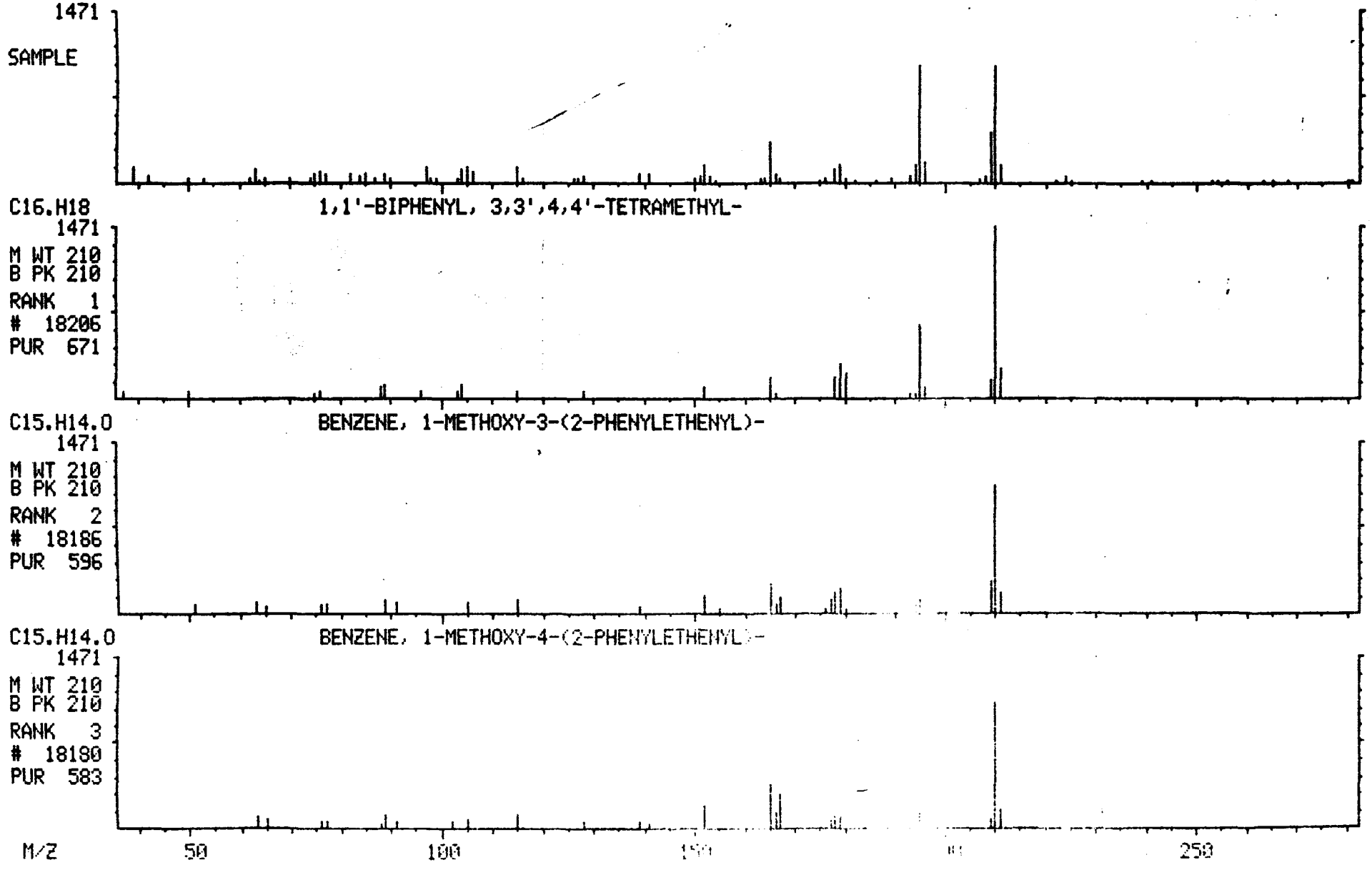


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 24:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2437
CALI: APR22VG01 # 3

BASE M/Z: 195
RIC: 31776.

001651

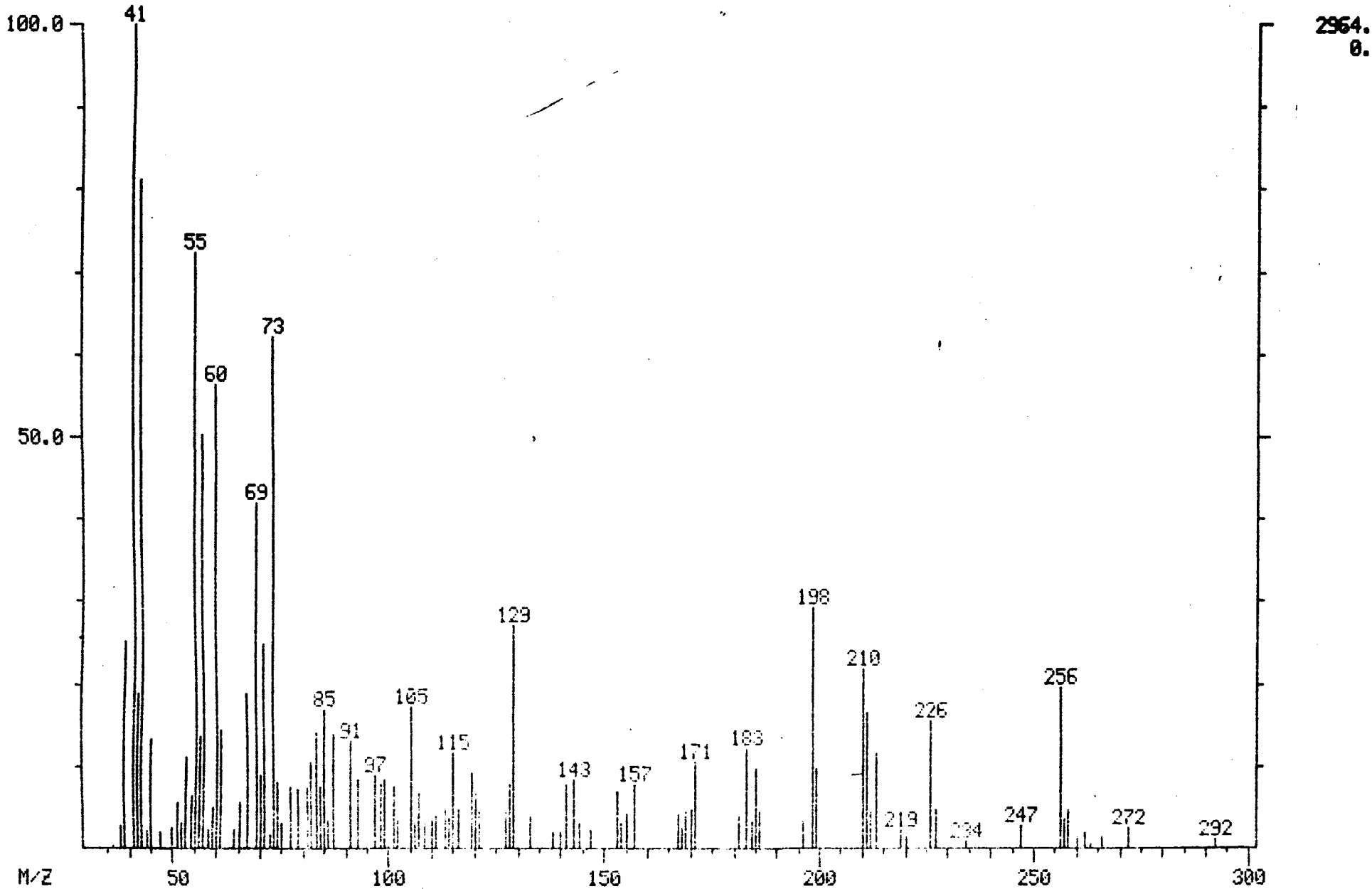


MASS SPECTRUM
04/22/91 17:05:00 + 24:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 250 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2504
CALI: APR22VG01 #3

BASE M/Z: 41
RIC: 35776.

001652

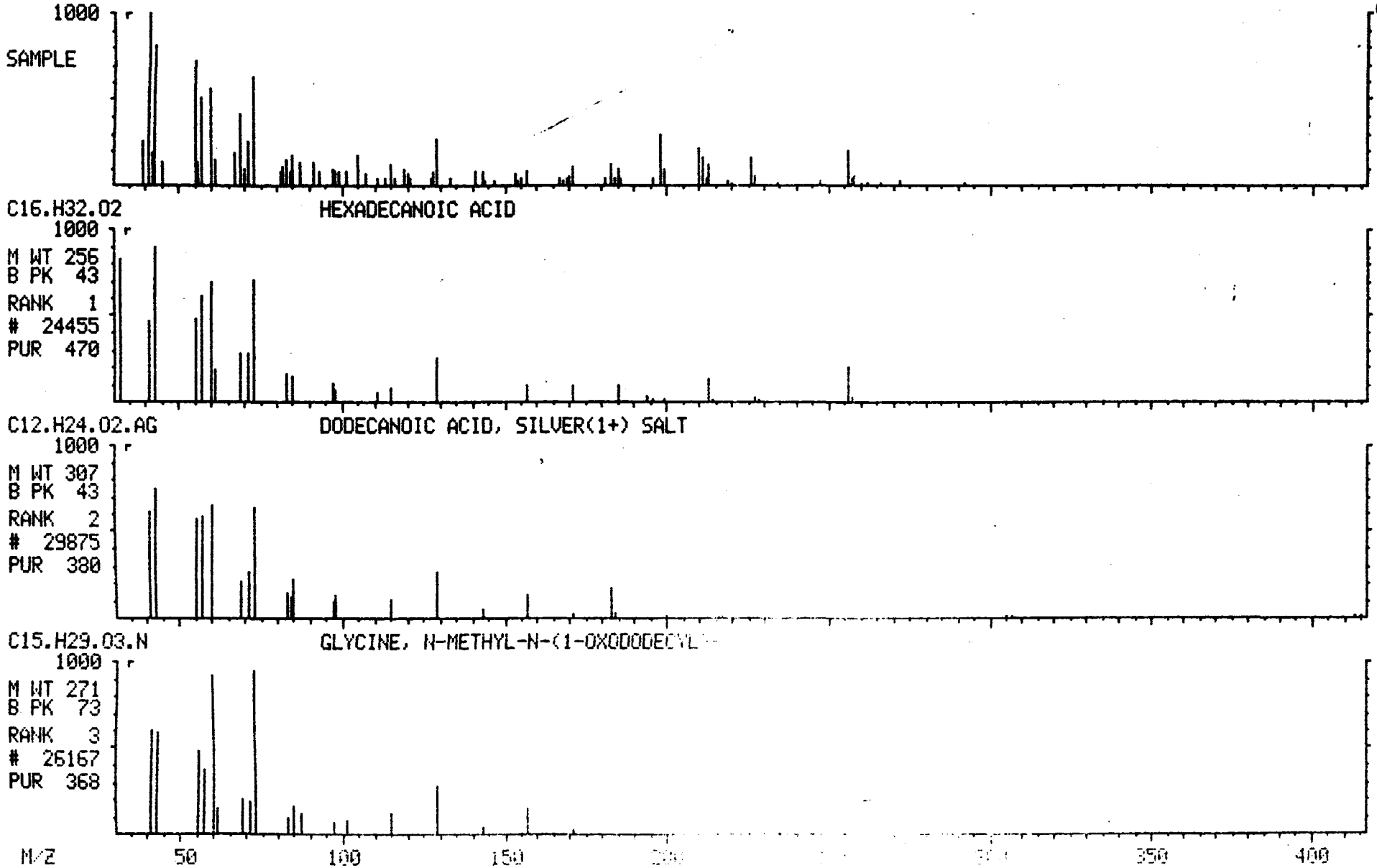


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 24:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2504
CALI: APR22VG01 # 3

BASE M/Z: 41
RIC: 32640.

001653

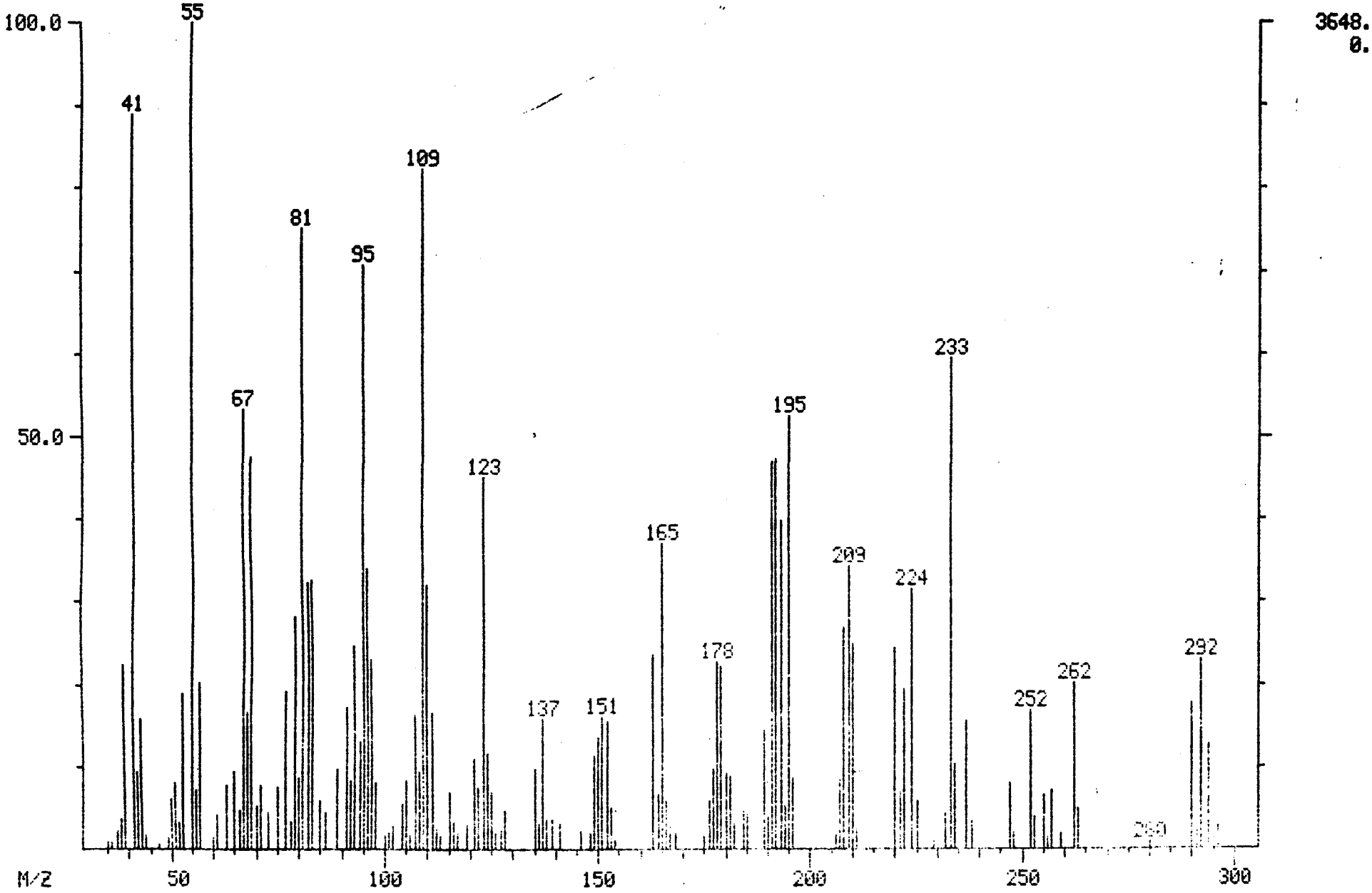


MASS SPECTRUM
04/22/91 17:05:00 + 25:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 253 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2537
CALI: APR22VG01 #3

BASE M/Z: 55
RIC: 76416.

001654

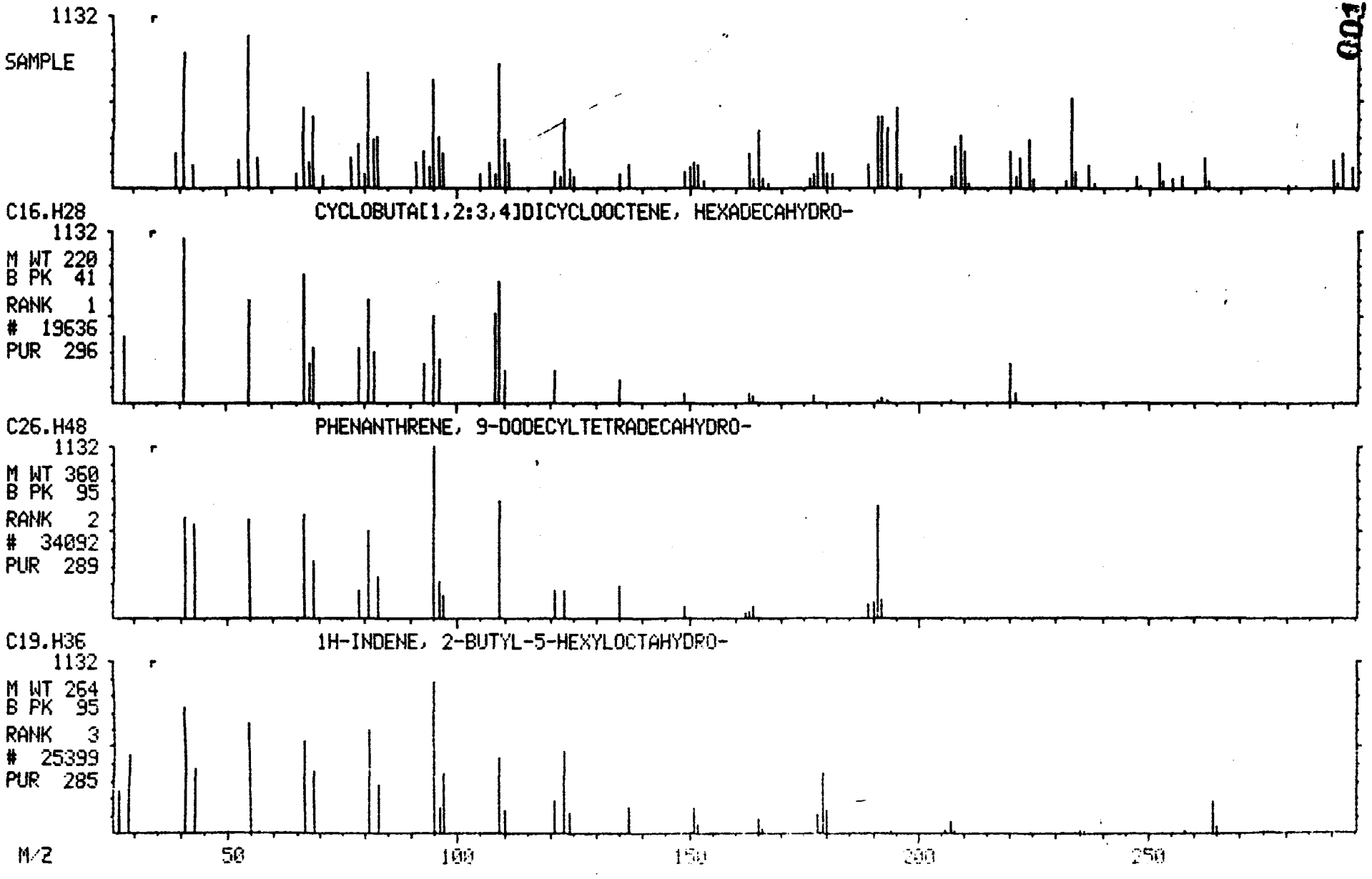


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 25:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2537
CALI: APR22VG01 # 3

BASE M/Z: 55
RIC: 68736.

001655

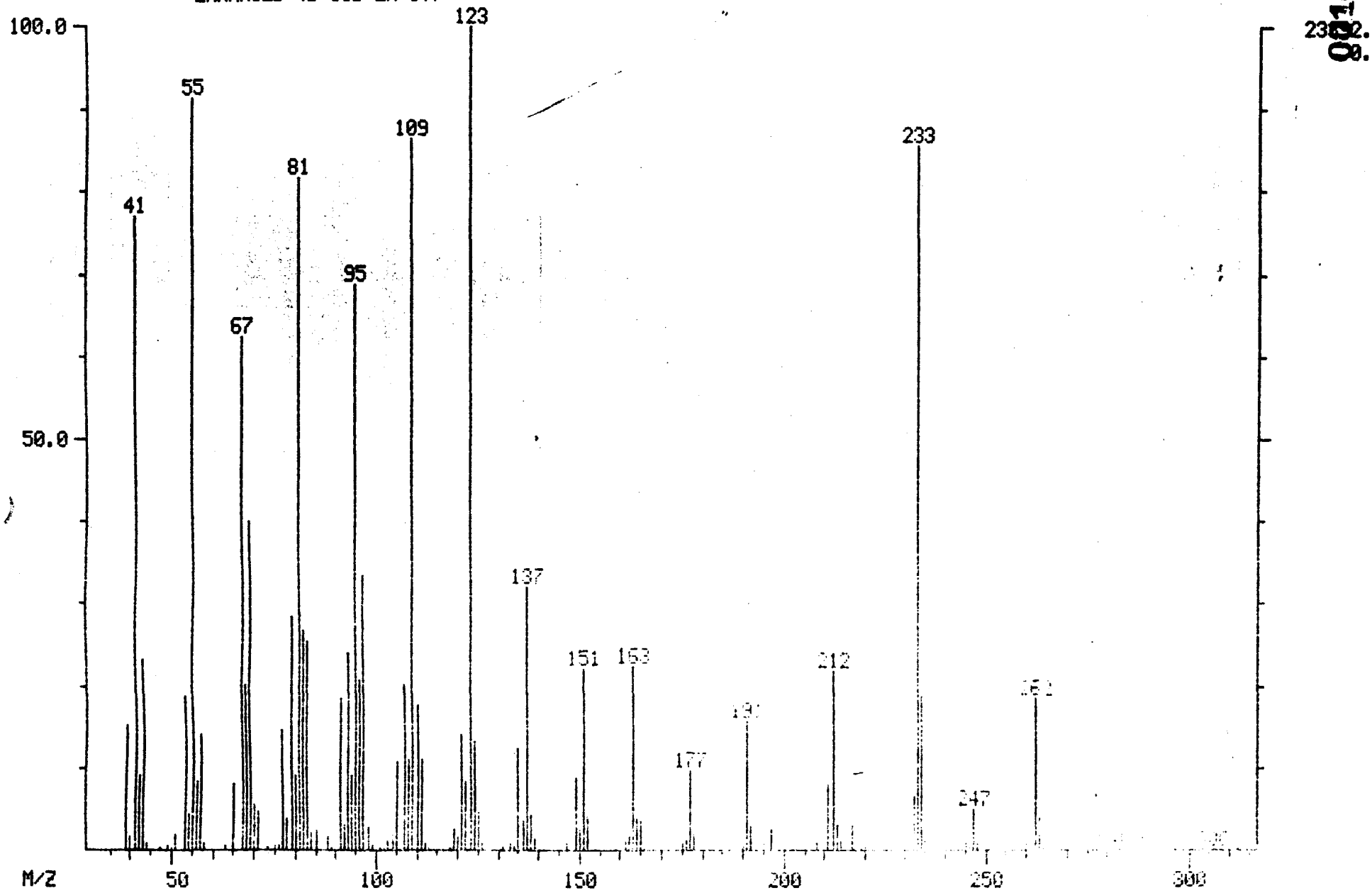


MASS SPECTRUM
04/22/91 17:05:00 + 25:25
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 256 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2565
CALI: APR22VG01 #3

BASE M/Z: 123
RIC: 334336.

001656

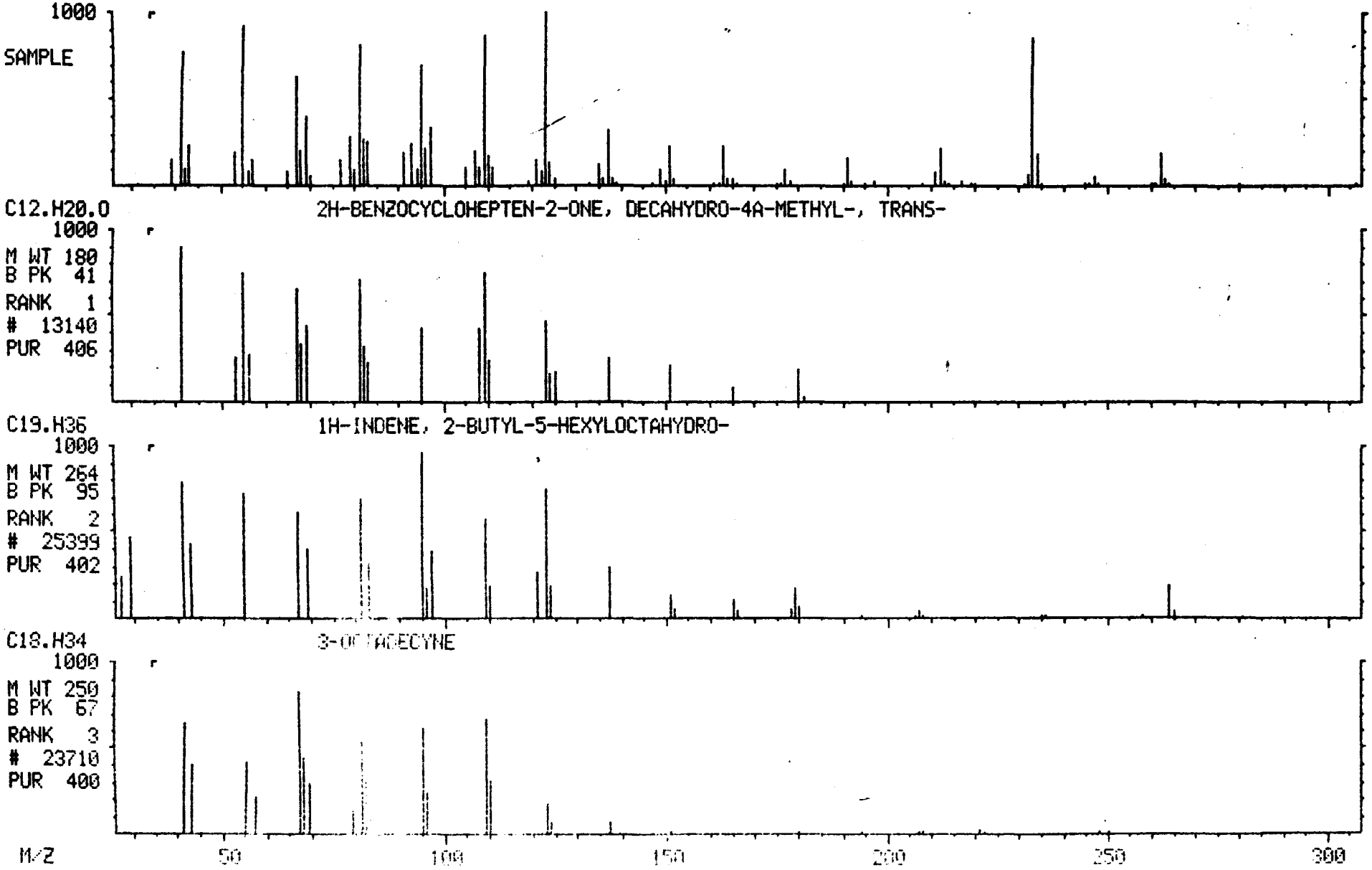


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 25:25
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2565
CALI: APR22VG01 # 3

BASE M/Z: 123
RIC: 324096.

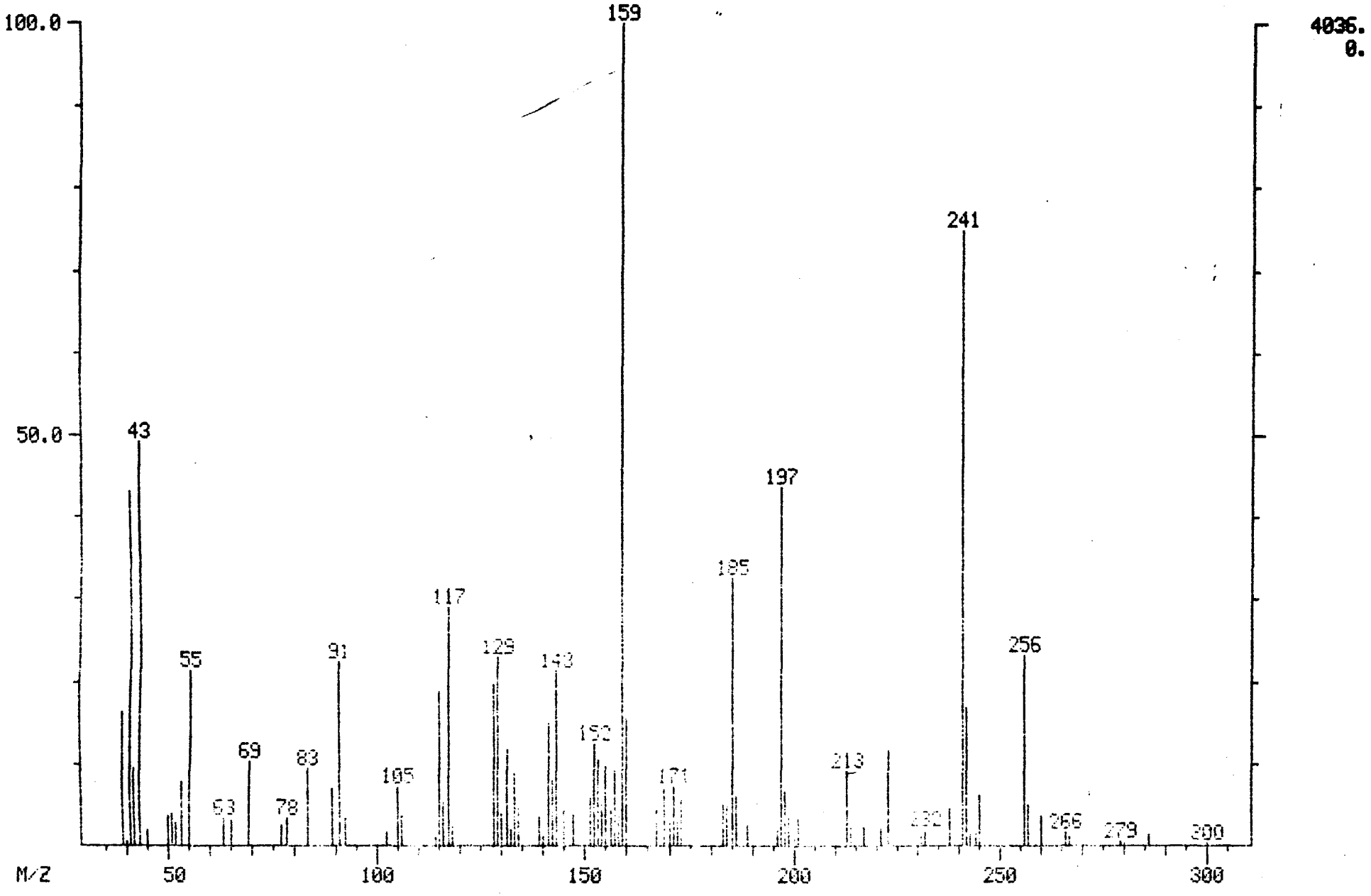
001657



MASS SPECTRUM
04/22/91 17:05:00 + 25:35
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 257 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2581
CALI: APR22VG01 #3

BASE M/Z: 159
RIC: 37056.



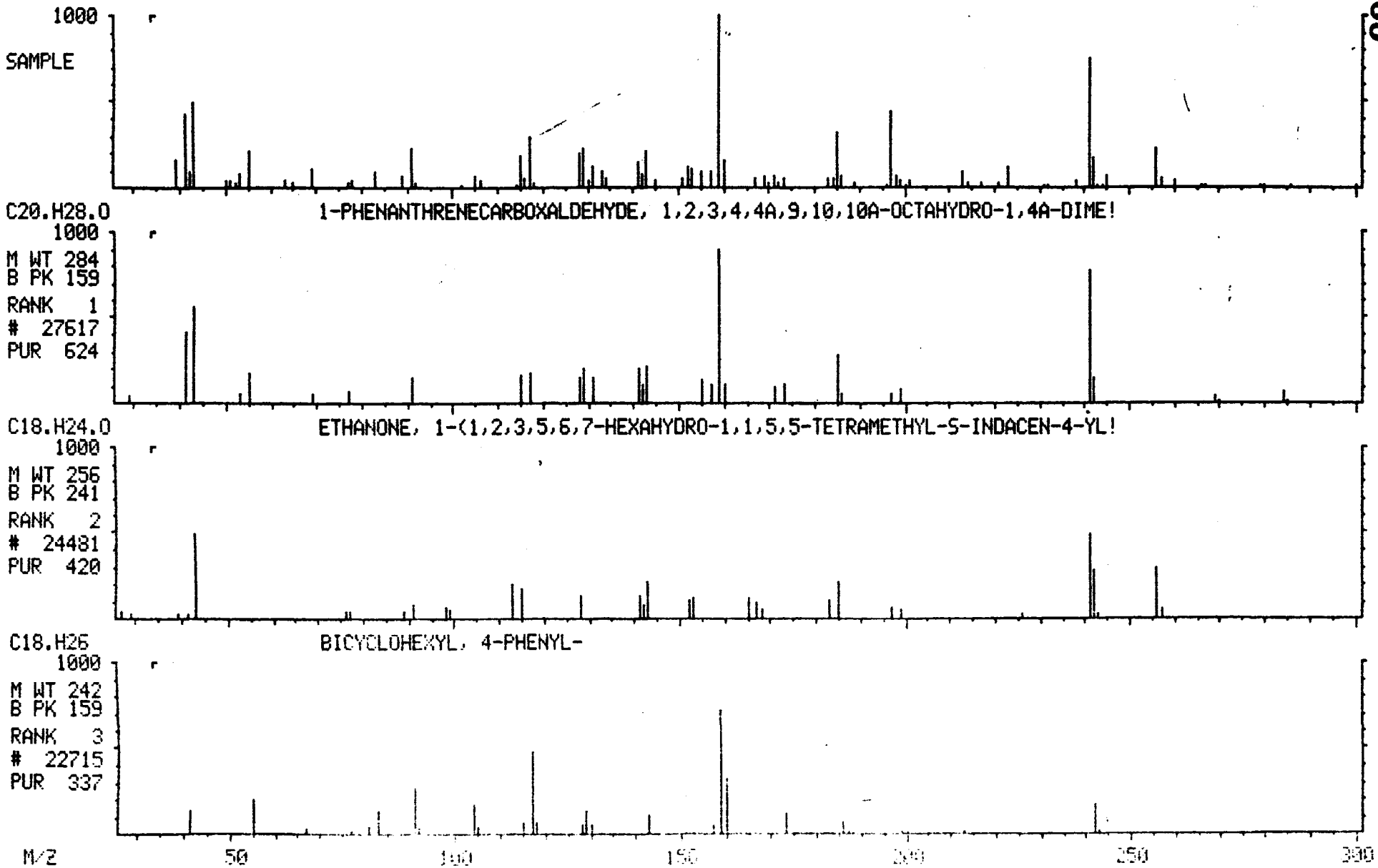
004658

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 25:35
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2581
CALI: APR22VG01 # 3

BASE M/Z: 159
RIC: 35968.

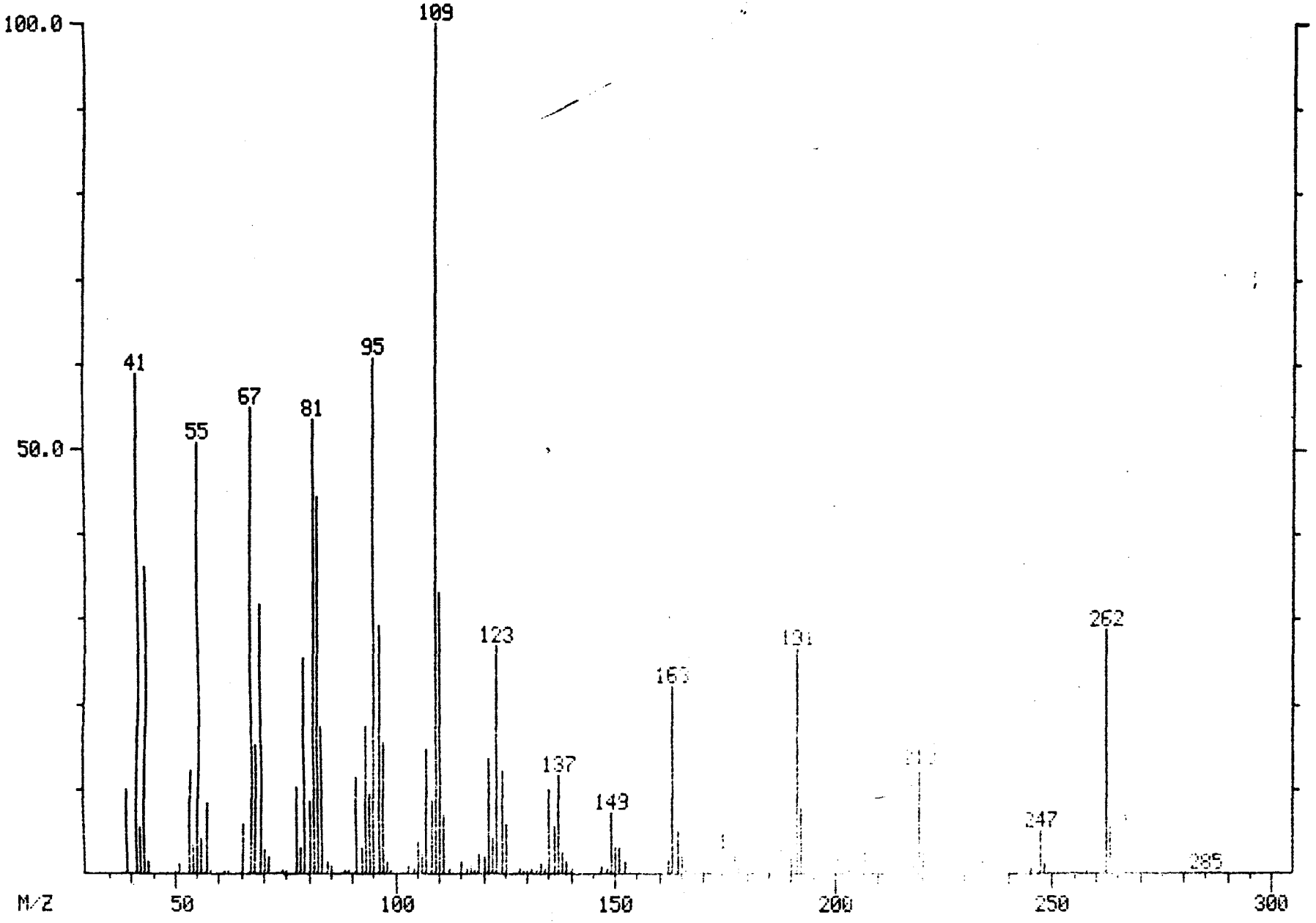
001659



MASS SPECTRUM
04/22/91 17:05:00 + 25:43
SAMPLE: 90905 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: APR22VG01 #2595
CALI: APR22VG01 #3

BASE M/Z: 109
RIC: 483328.



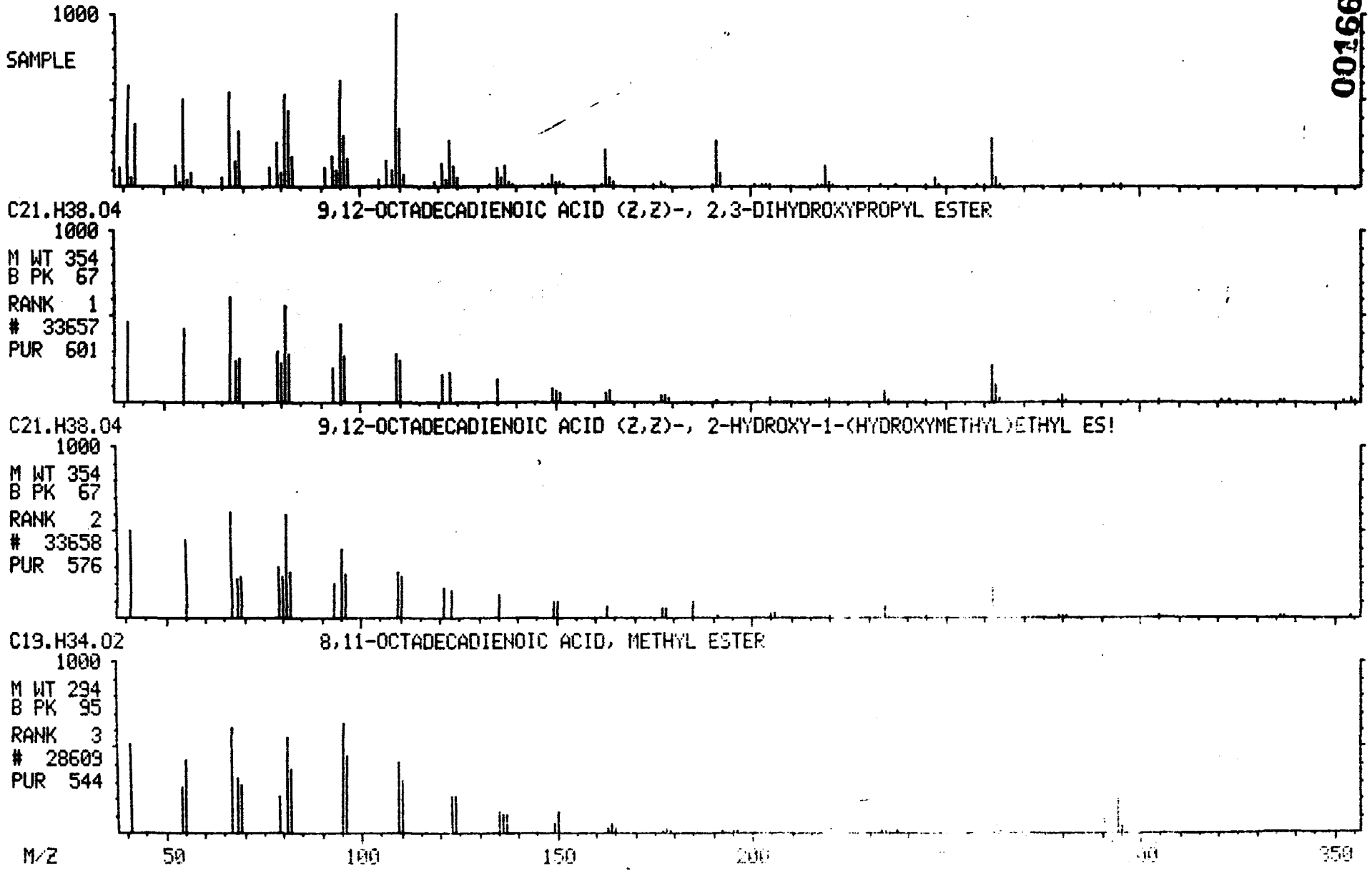
00099660

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 25:43
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2595
CALI: APR22VG01 # 3

BASE M/Z: 109
RIC: 470528.

001661

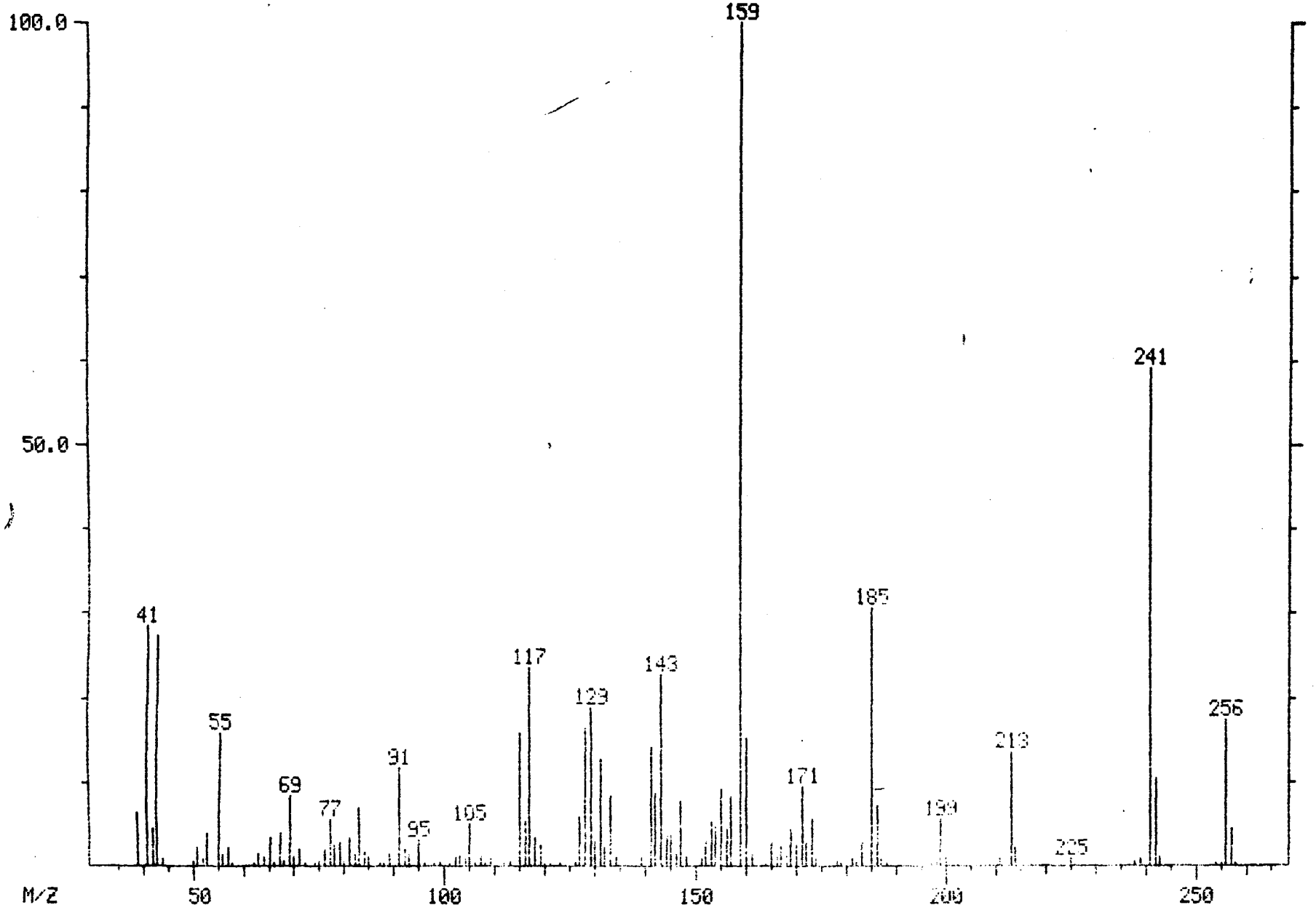


MASS SPECTRUM
04/22/91 17:05:00 + 26:02
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 262 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2626
CALI: APR22VG01 #3

BASE M/Z: 159
RIC: 791552.

001662

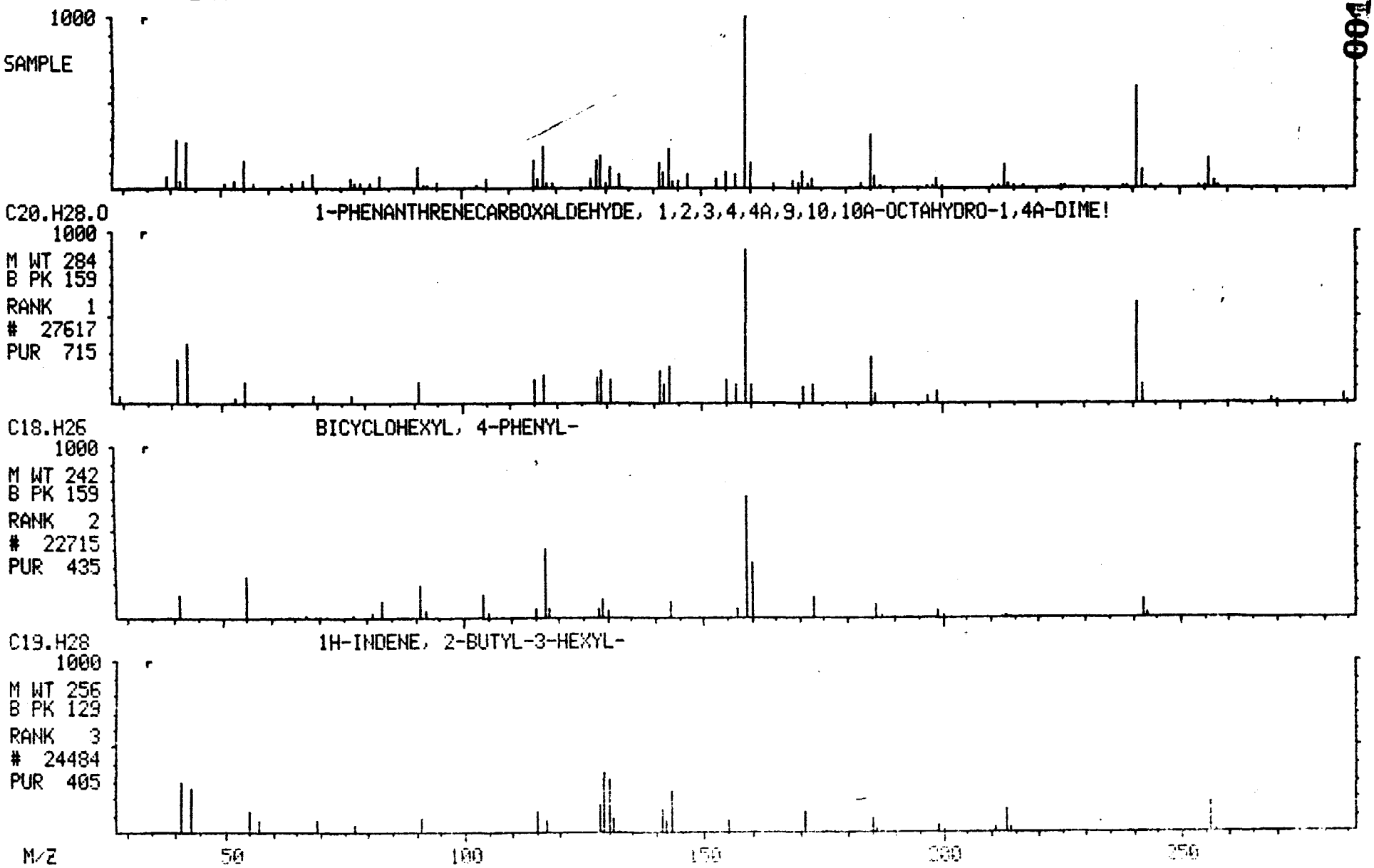


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 26:02
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2626
CALI: APR22VG01 # 3

BASE M/Z: 159
RIC: 729088.

001663

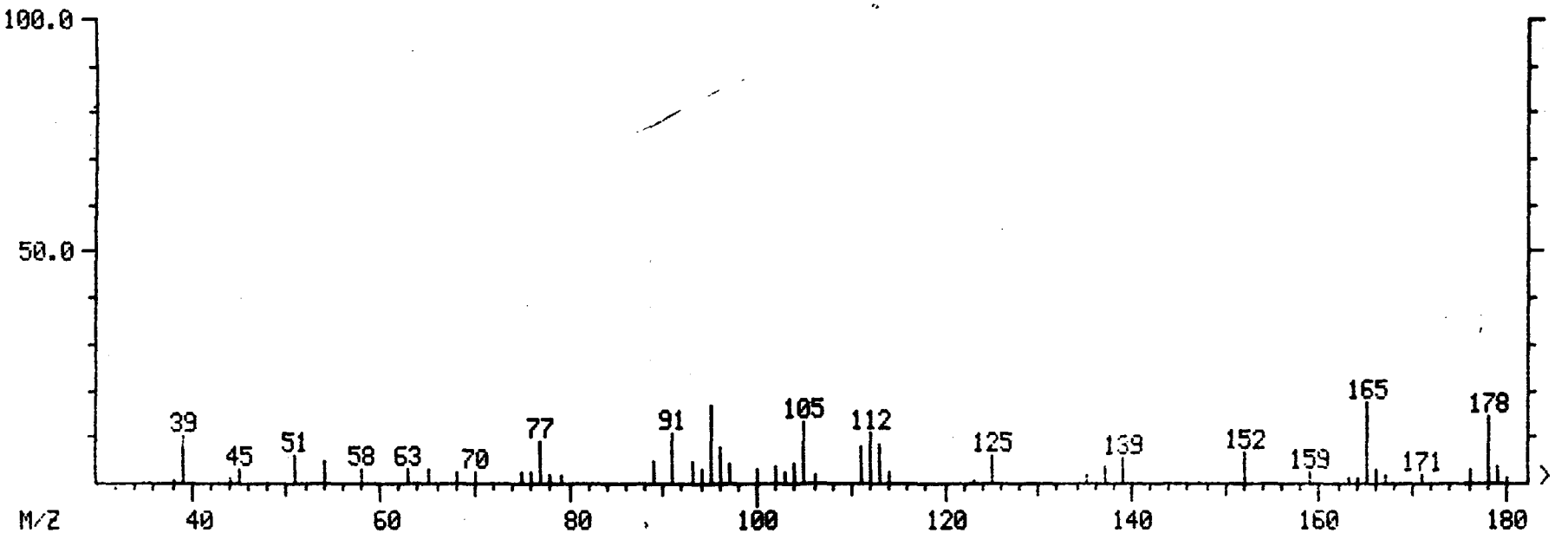


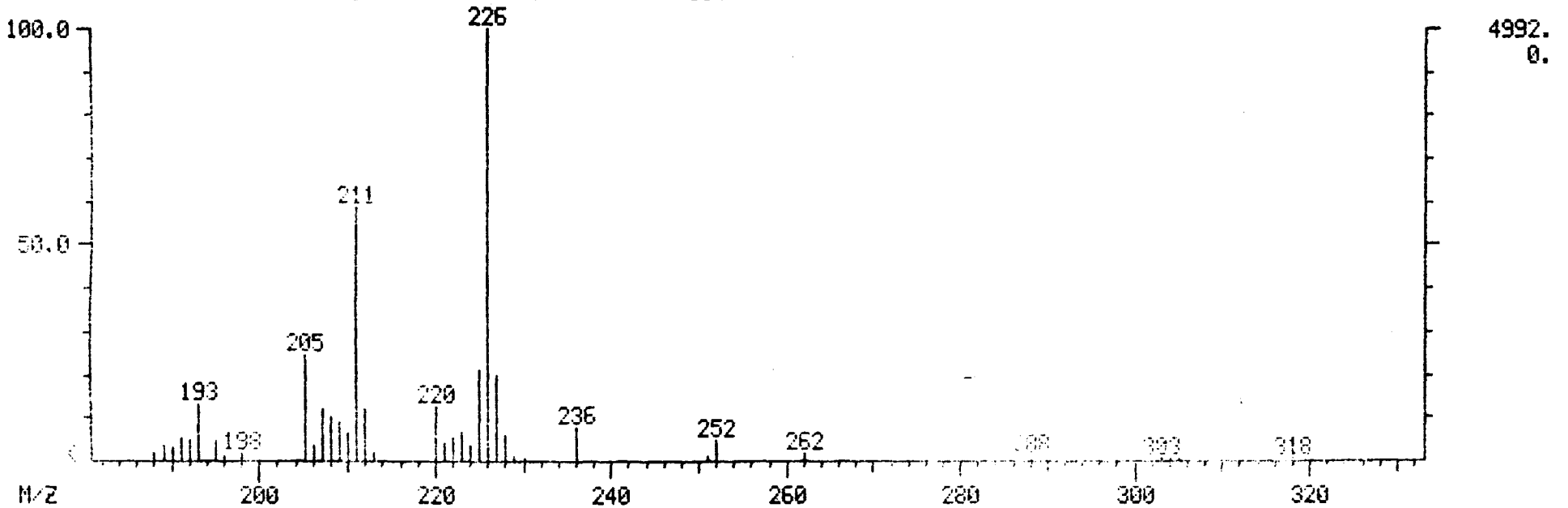
MASS SPECTRUM
04/22/91 17:05:00 + 26:36
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 268 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2683
CALI: APR22VG01 #3

BASE M/Z: 226
RIC: 30976.

001664



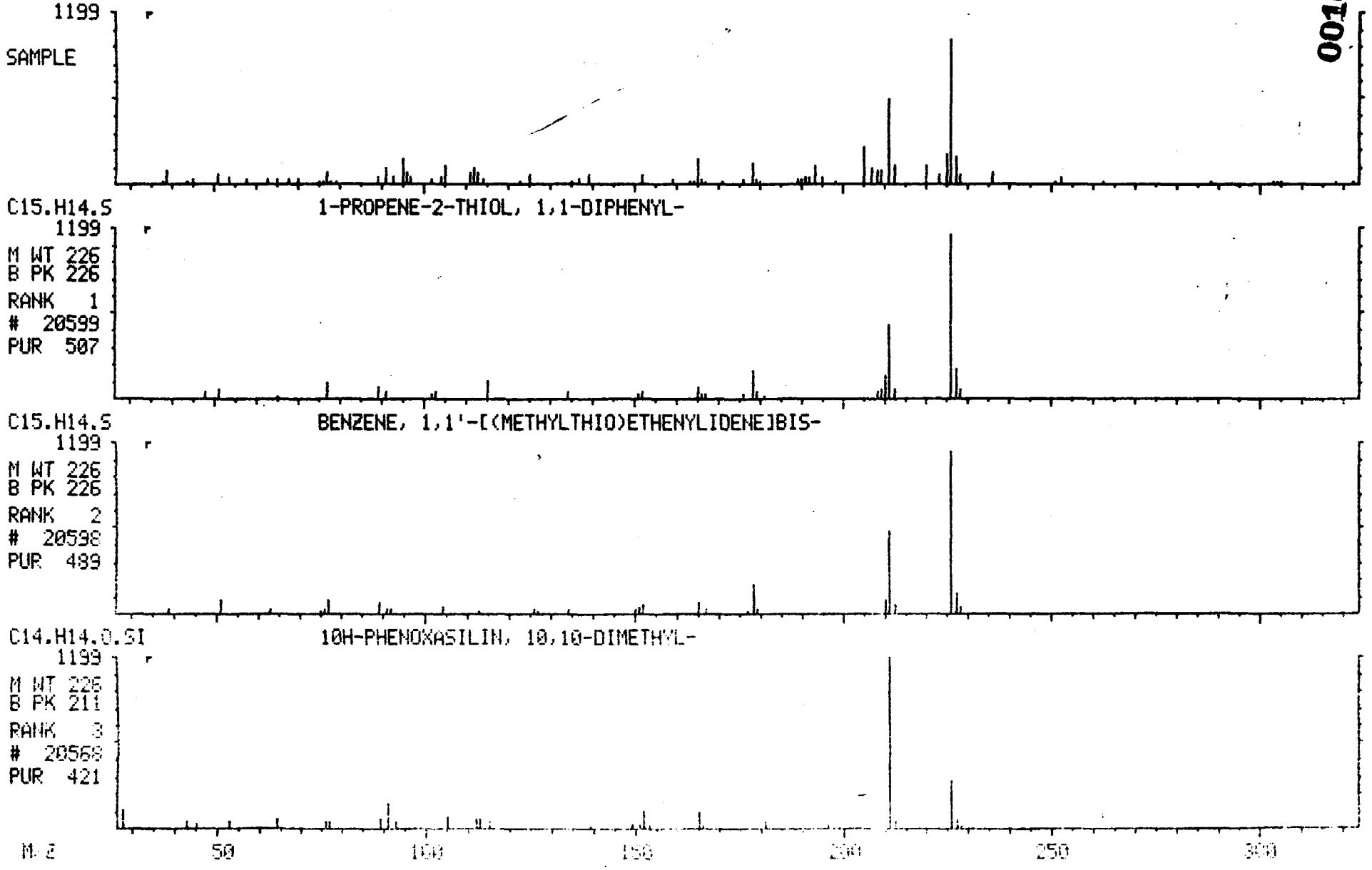


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 26:36
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2683
CALI: APR22VG01 # 3

BASE M/Z: 226
RIC: 28928.

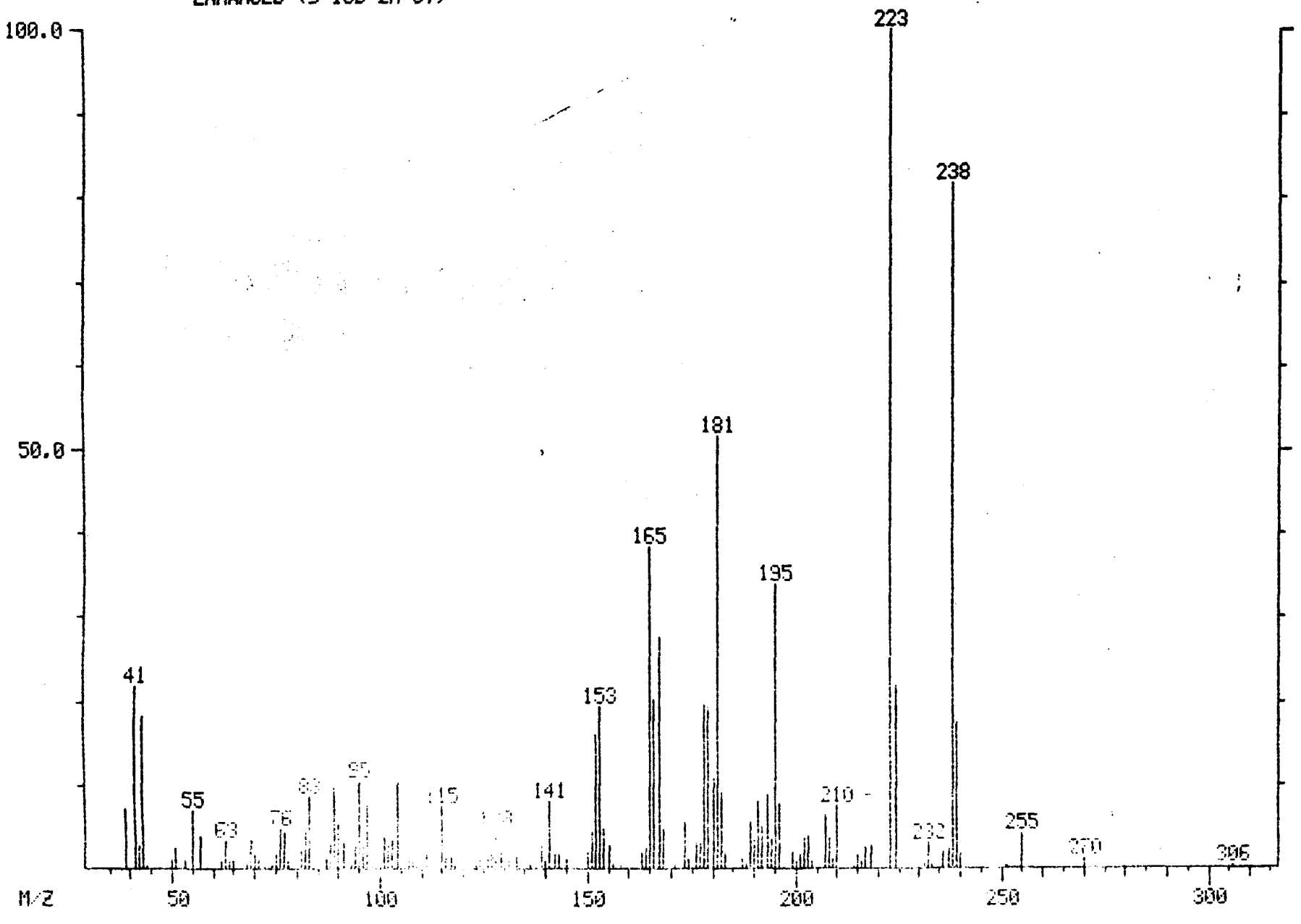
001665



MASS SPECTRUM
04/22/91 17:05:00 + 26:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 270 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2705
CALI: APR22VG01 #3

BASE M/Z: 223
RIC: 127744.



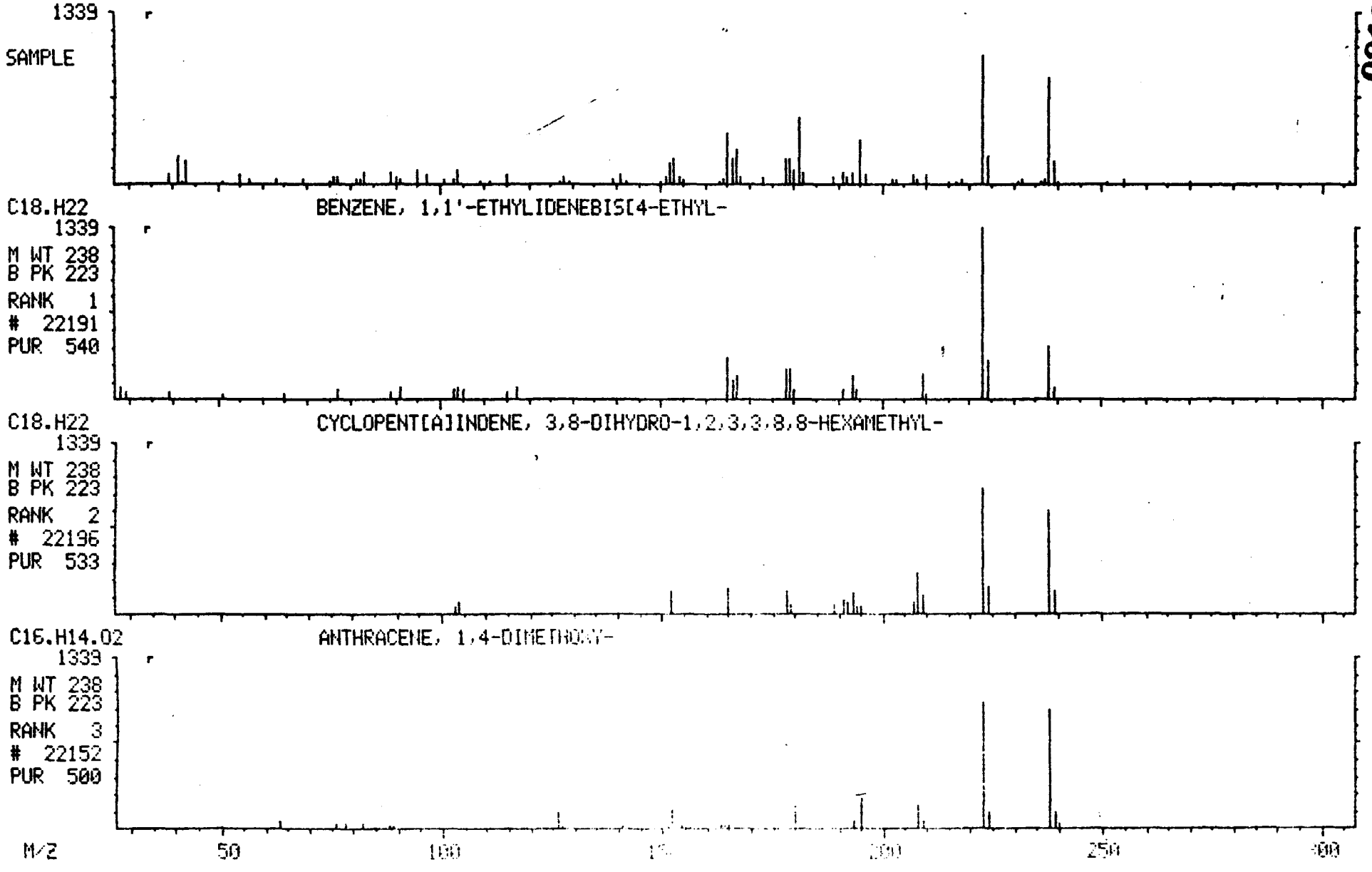
001666

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 26:49
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2705
CALI: APR22VG01 # 3

BASE M/Z: 223
RIC: 116992.

001667

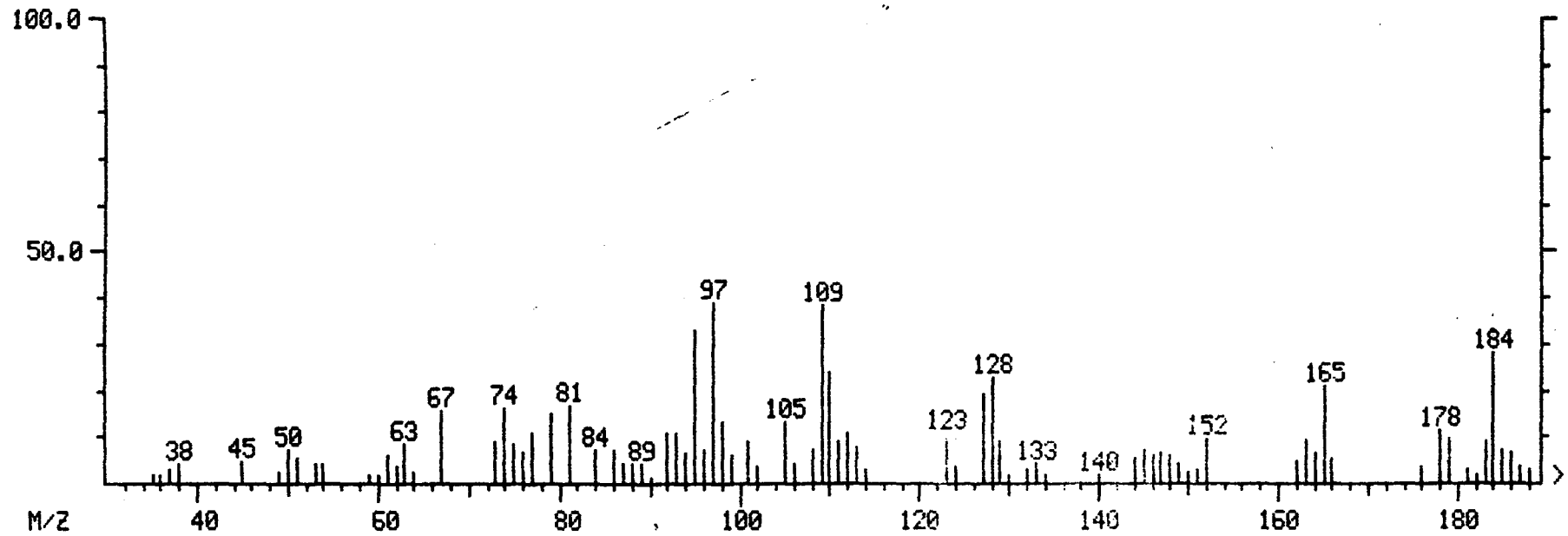


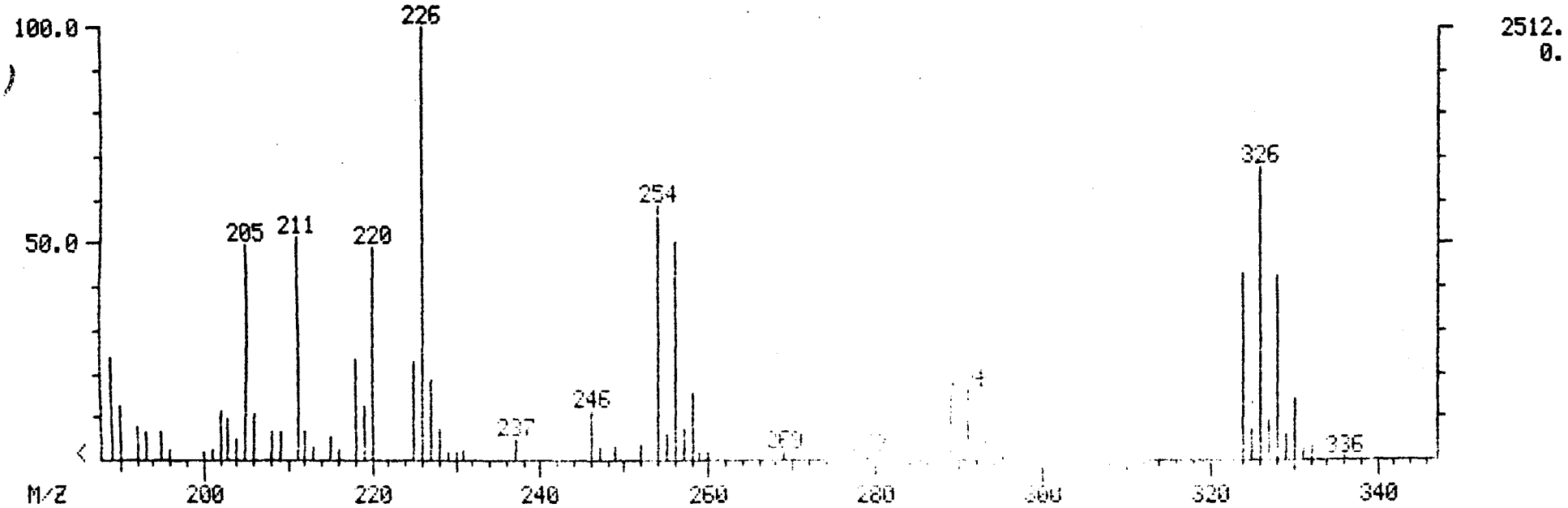
MASS SPECTRUM
04/22/91 17:05:00 + 26:59
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 271 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2723
CALI: APR22VG01 #3

BASE M/Z: 226
RIC: 40128.

001668



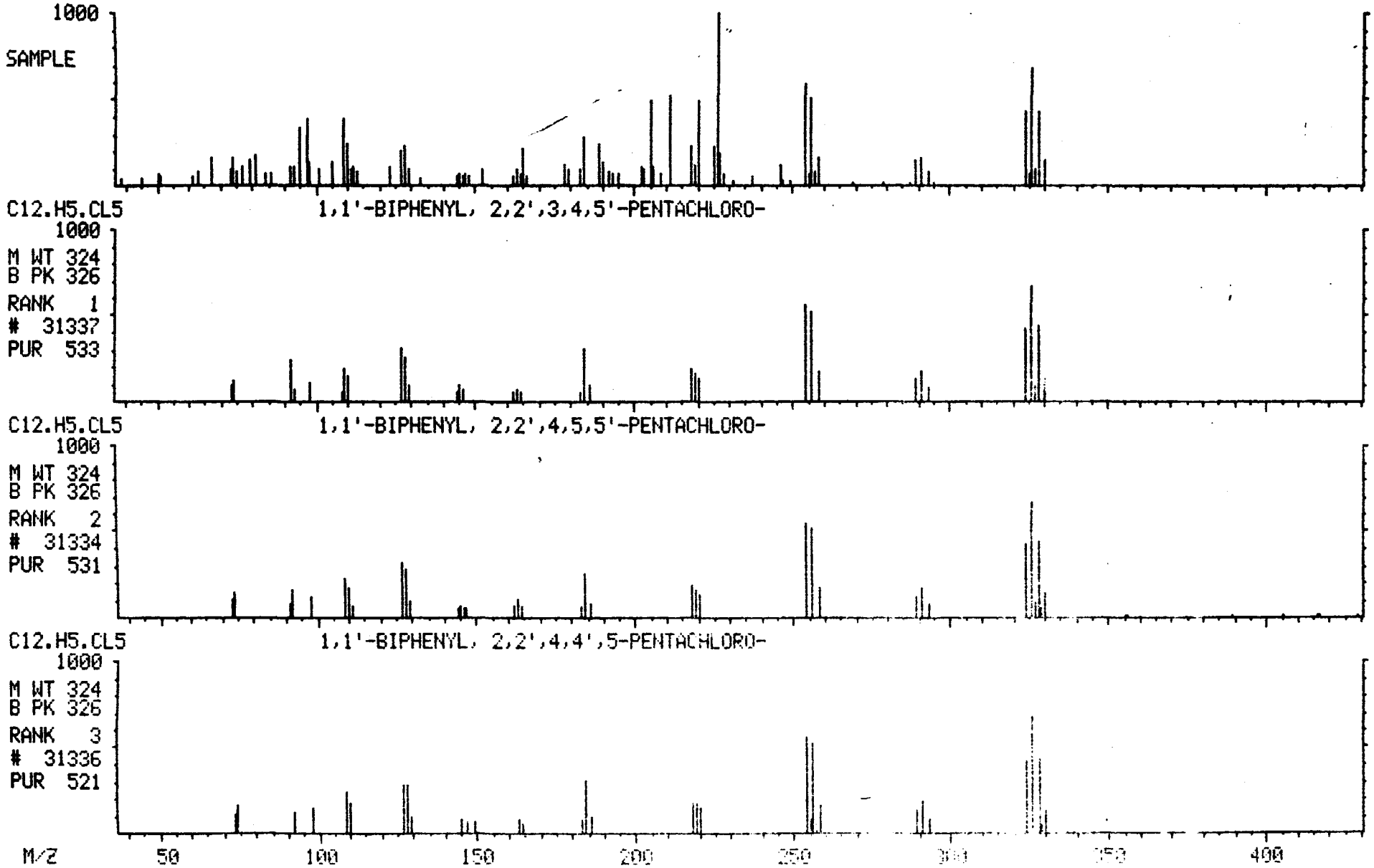


MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 26:59
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2723
CALI: APR22VG01 # 3

BASE M/Z: 226
RIC: 35200.

001669

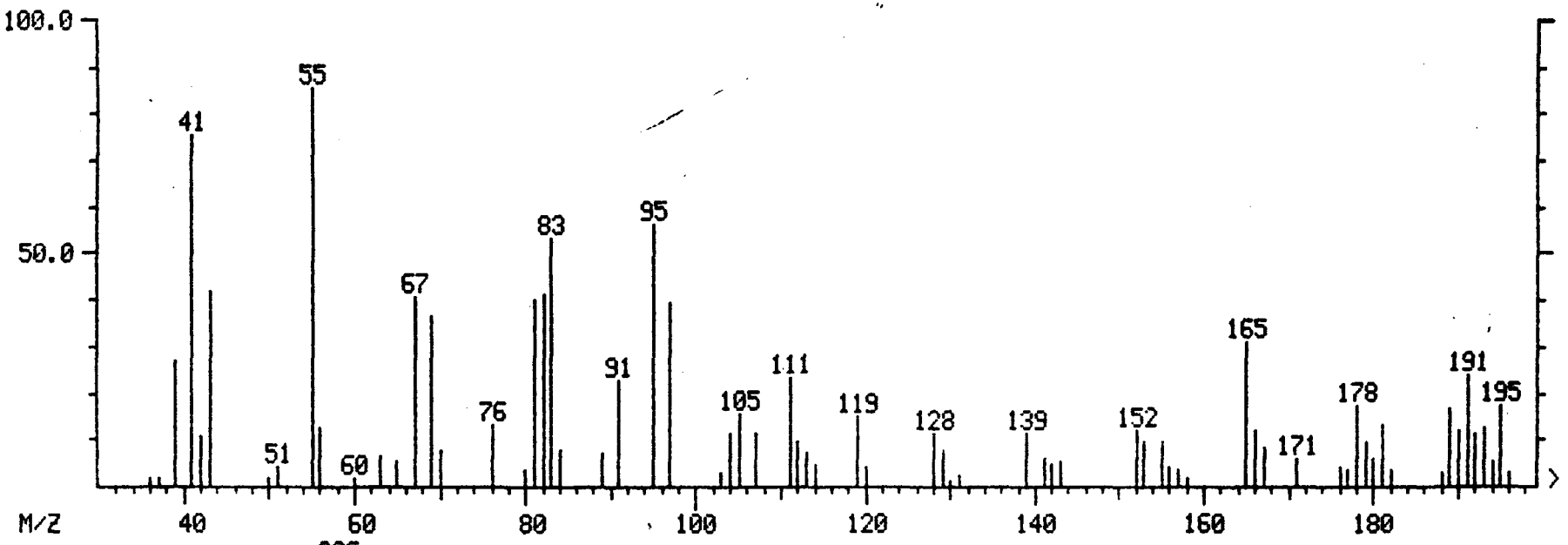


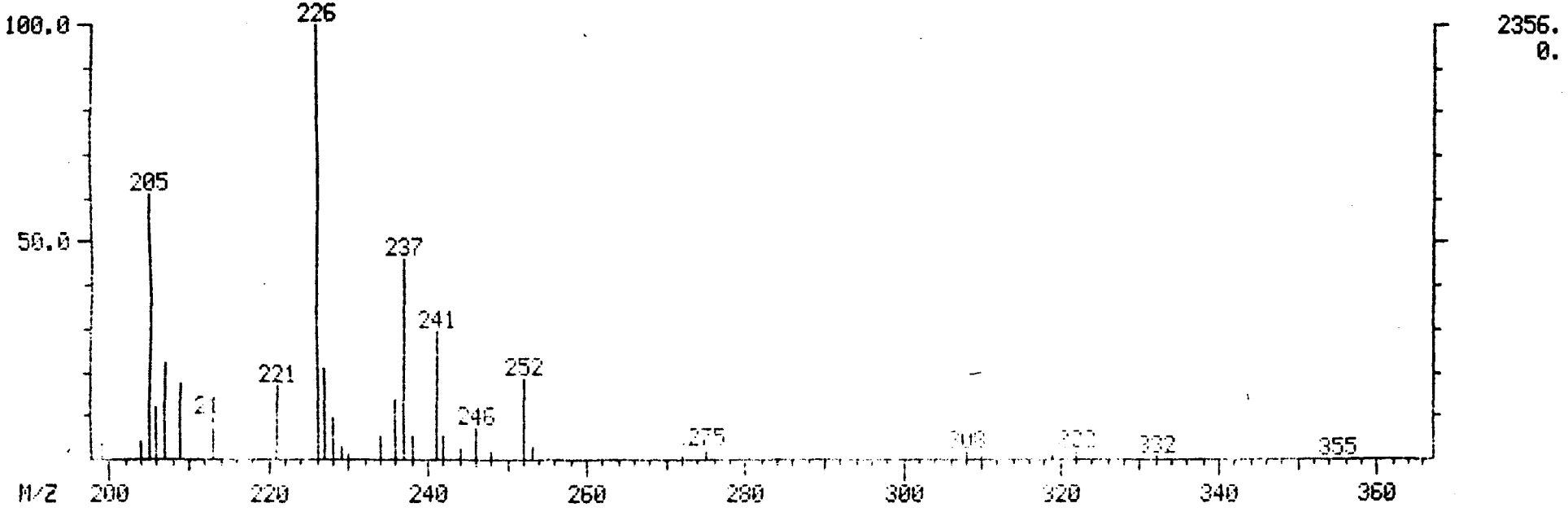
MASS SPECTRUM
04/22/91 17:05:00 + 27:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 273 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2739
CALI: APR22VG01 #3

BASE M/Z: 226
RIC: 35200.

001670





MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 27:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2739
CALI: APR22VG01 # 3

BASE M/Z: 226
RIC: 34368.

001671

1392
SAMPLE

C16.H28.02 2,6-DECADIENOIC ACID, 8-METHYL-4-PROPYL-, ETHYL ESTER
1392
M WT 252
B PK 55
RANK 1
23923
PUR 248

C13.H26.CL.P PHOSPHINOUS CHLORIDE, (1-METHYLETHYL)[METHYL(1-METHYLETHYL)CYCLOHEXYL]
1392
M WT 248
B PK 83
RANK 2
23361
PUR 236

C15.H14.O2 BENZOIC ACID, 4-(PHENYLMETHYL)-, METHYL ESTER
1392
M WT 226
B PK 226
RANK 3
20592
PUR 232

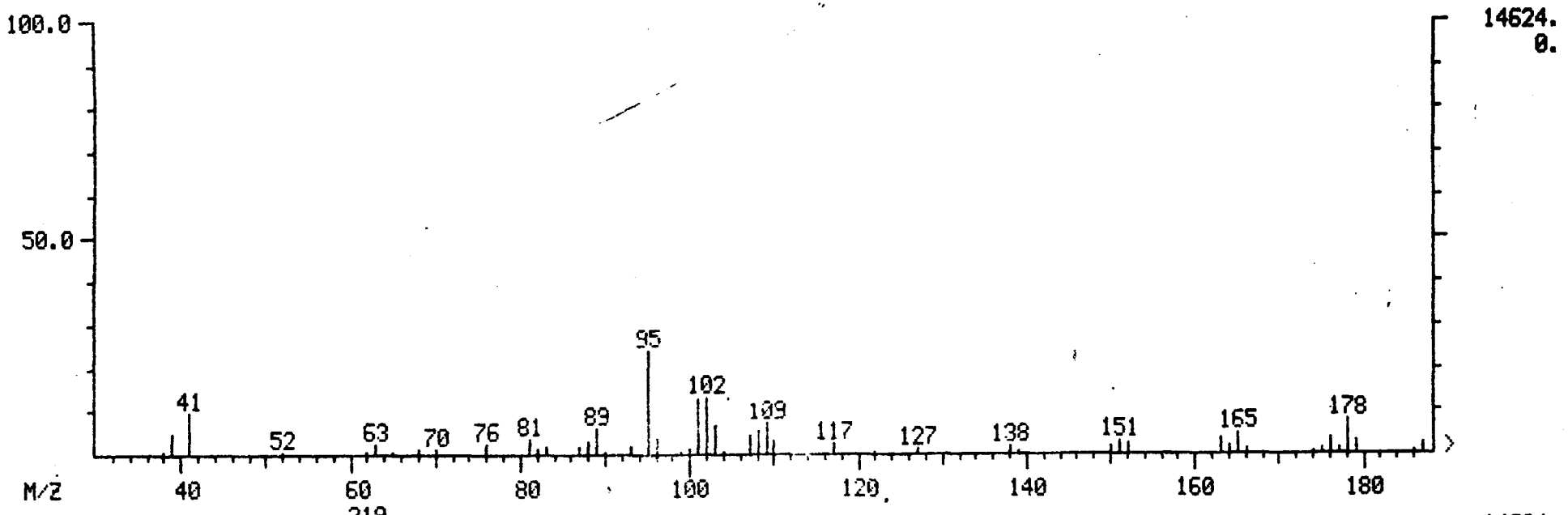
M/Z 50 100 150 200 250 300 350

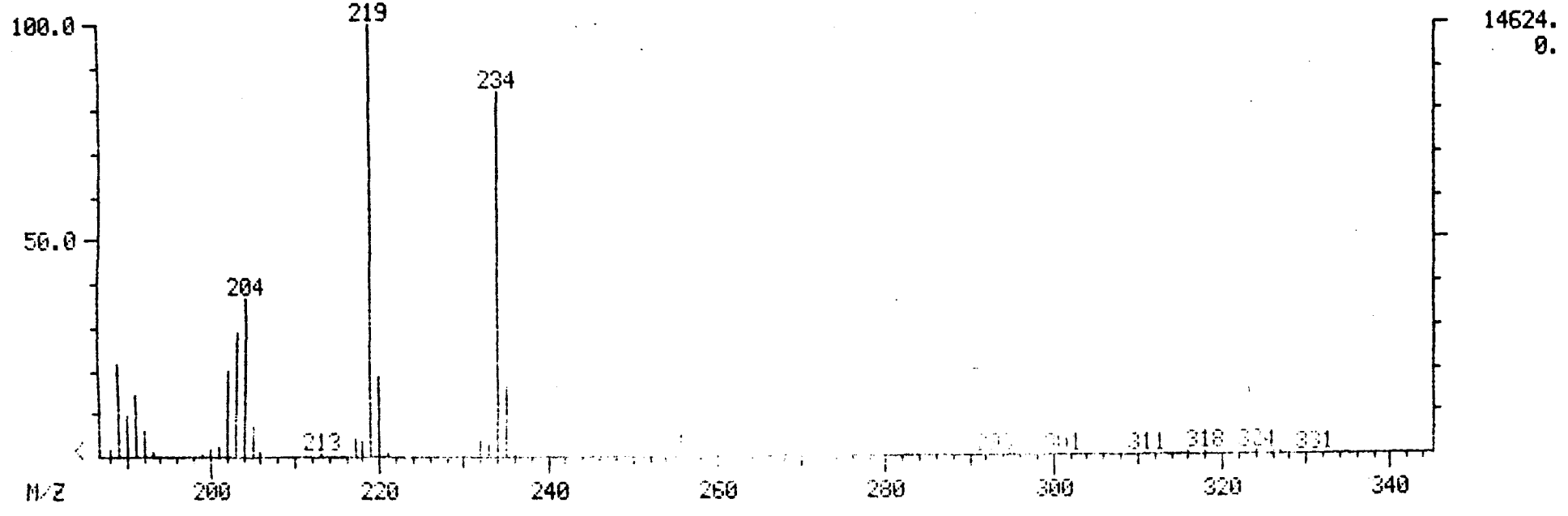
MASS SPECTRUM
04/22/91 17:05:00 + 28:05
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2833
CALI: APR22VG01 #3

BASE M/Z: 219
RIC: 82304.

001672

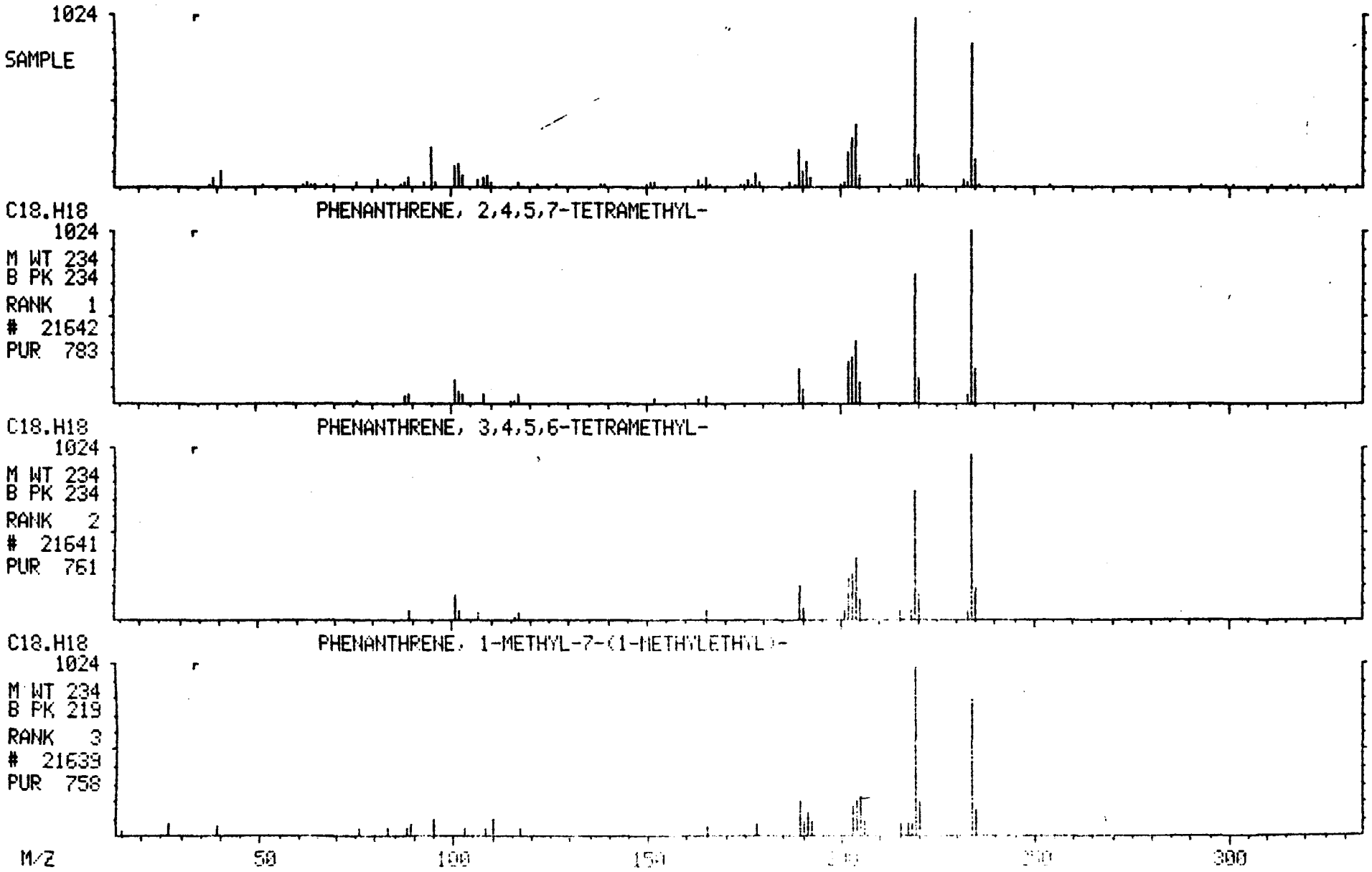




MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 28:05
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2833
CALI: APR22VG01 # 3

BASE M/Z: 219
RIC: 81280.



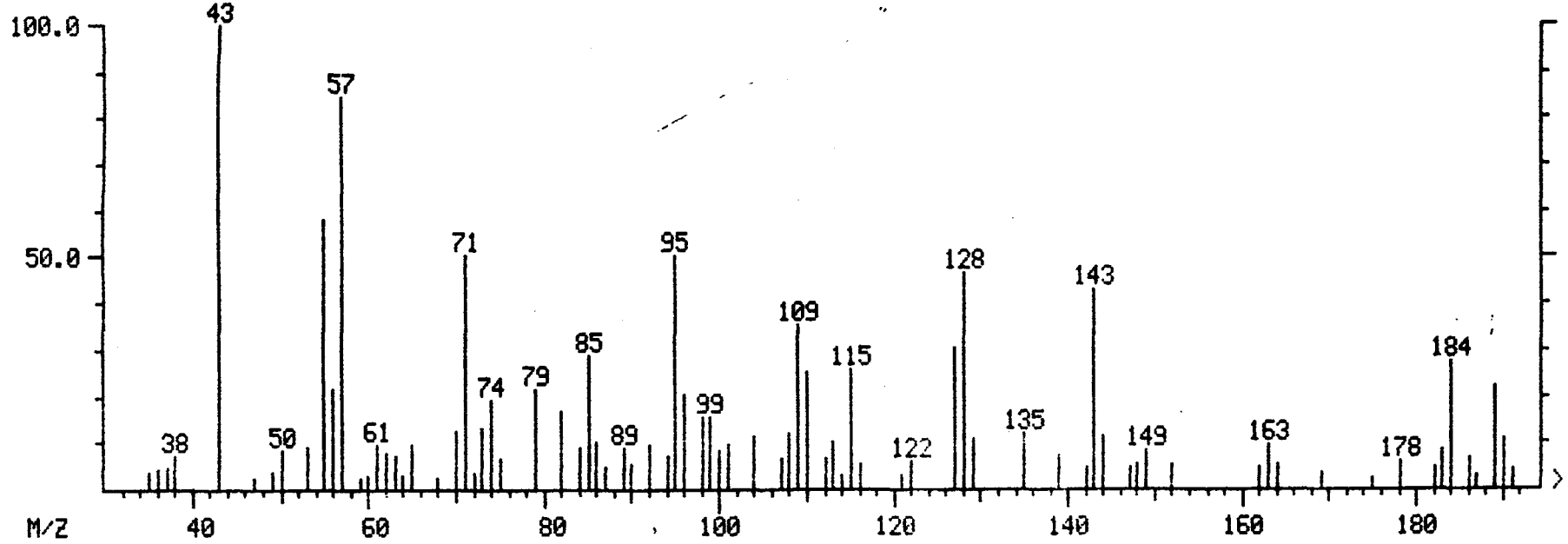
001673

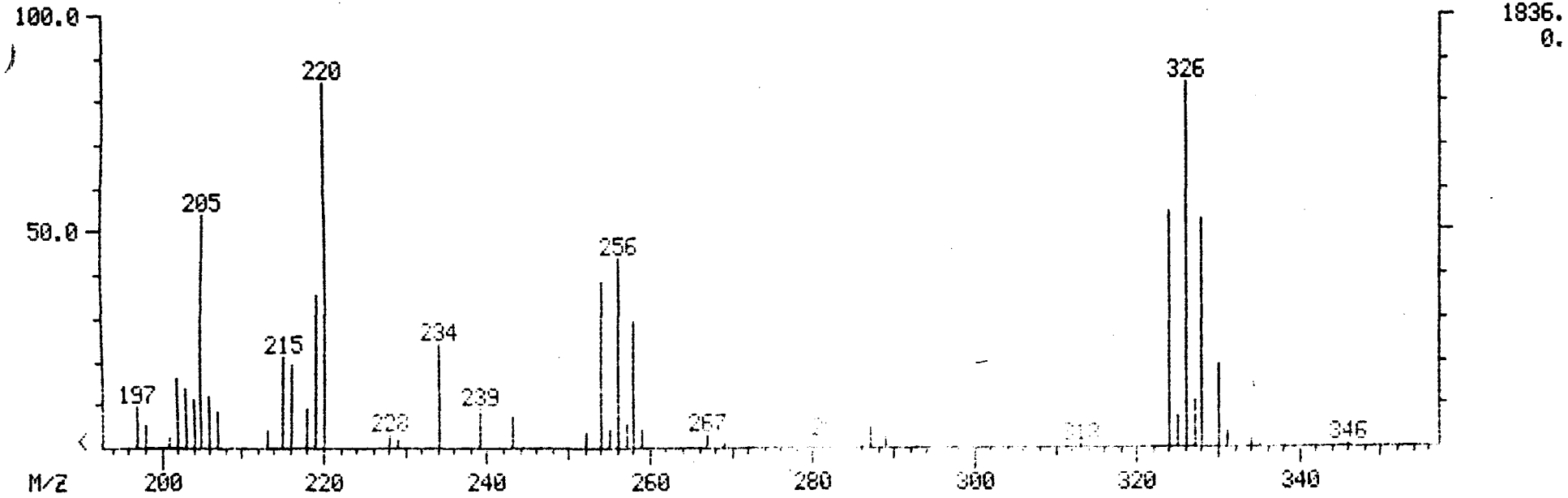
MASS SPECTRUM
04/22/91 17:05:00 + 28:21
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2860
CALI: APR22VG01 #3

BASE M/Z: 43
RIC: 34880.

001674

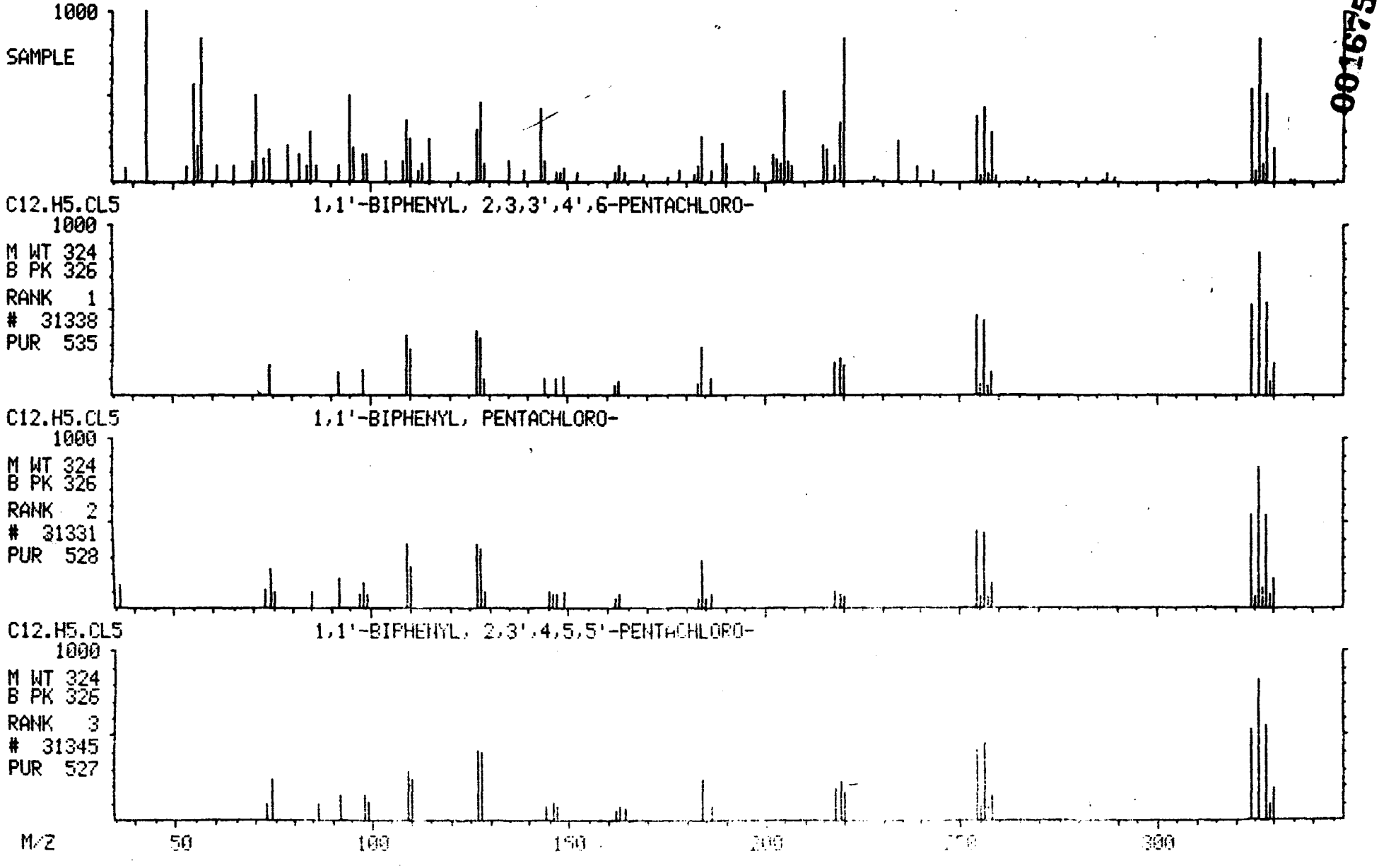




MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 28:21
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2860
CALI: APR22VG01 # 3

BASE M/Z: 43
RIC: 31936.

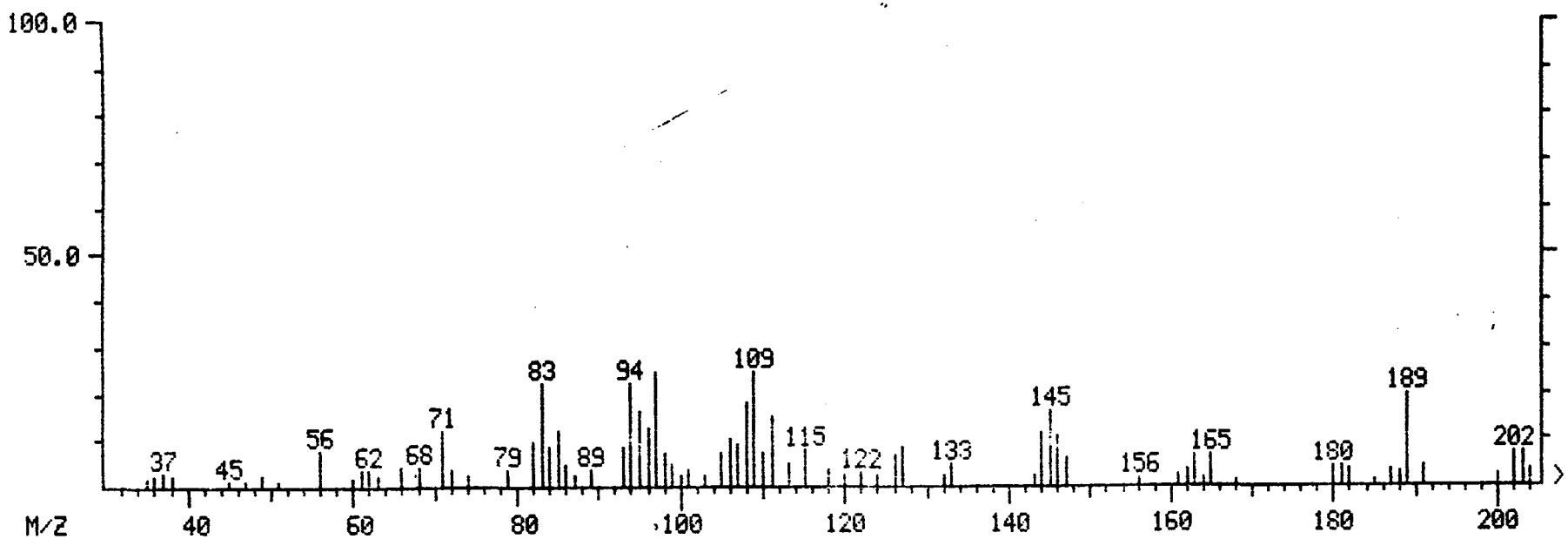


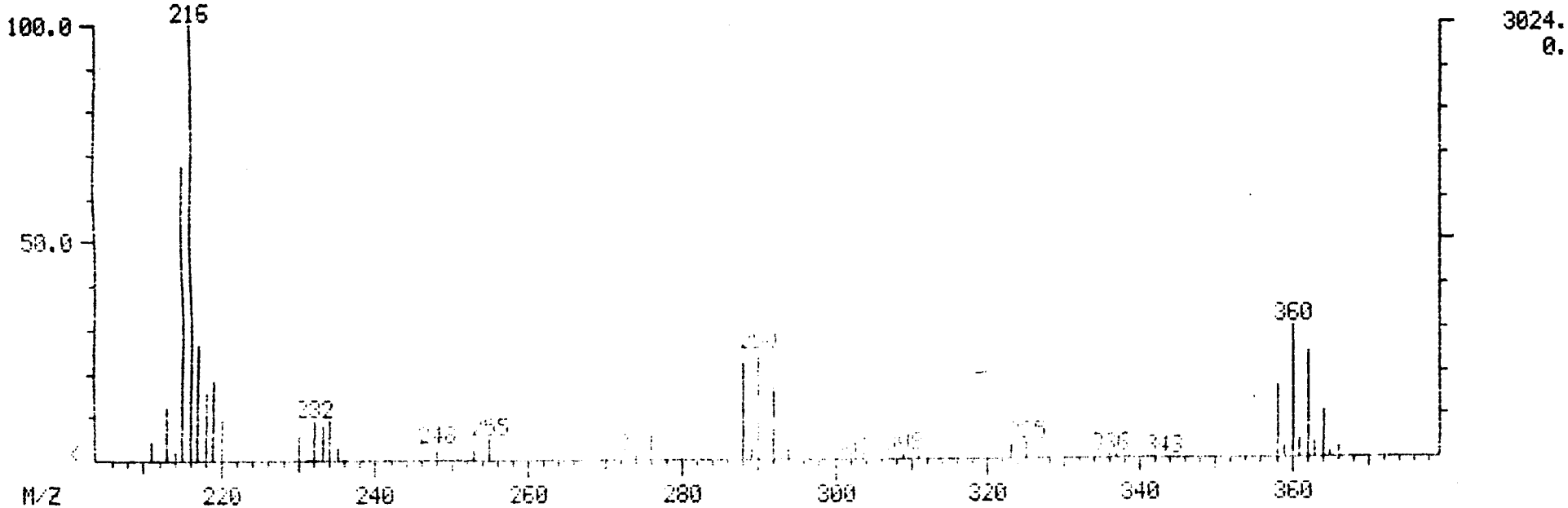
001675

MASS SPECTRUM
04/22/91 17:05:00 + 28:51
SAMPLE: 90905 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: APR22VG01 #2910
CALI: APR22VG01 #3

BASE M/Z: 216
RIC: 29760.



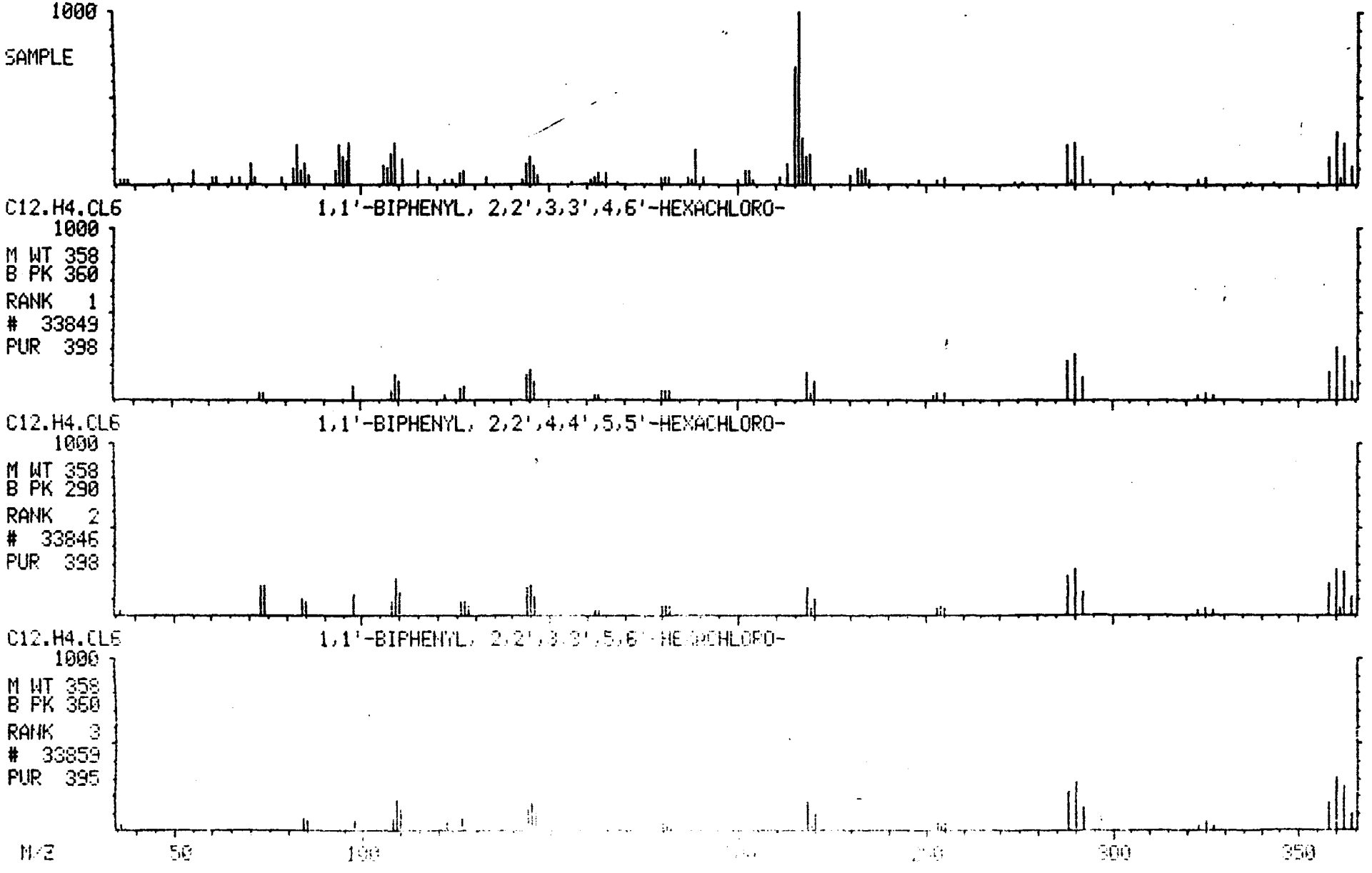


001676

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 28:51
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR22VG01 #2910
CALI: APR22VG01 # 3

BASE M/Z: 216
RIC: 27072.

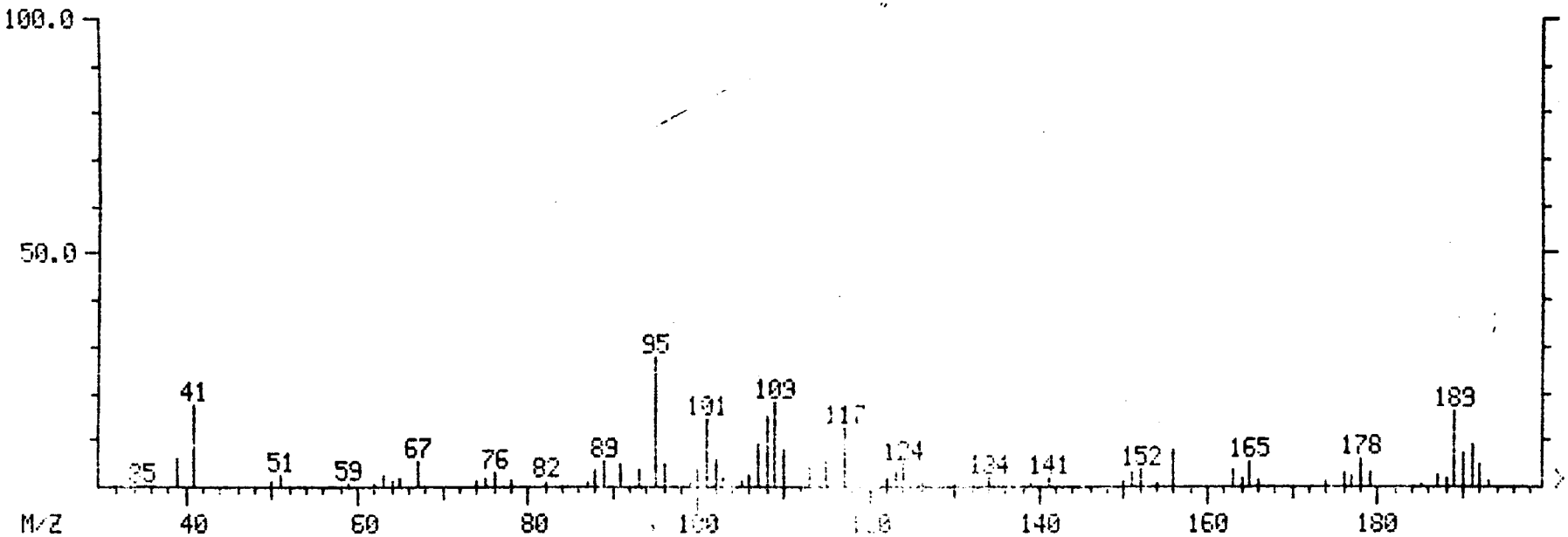


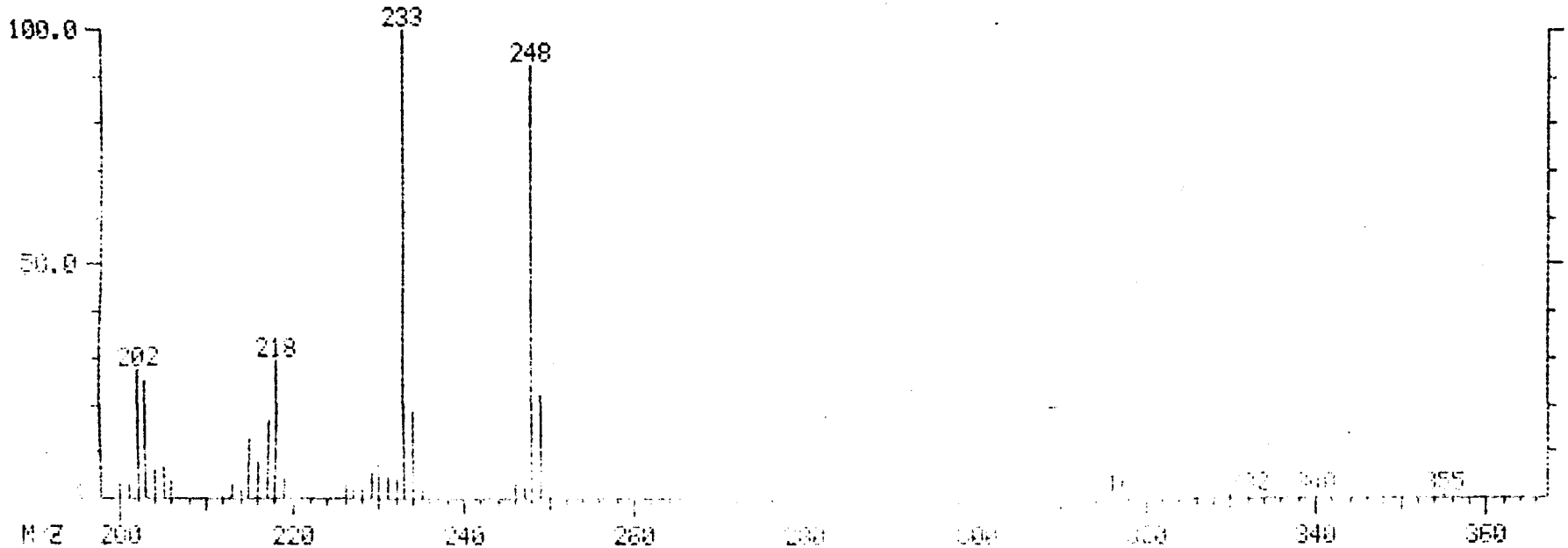
00196

MASS SPECTRUM
04/22/91 17:05:00 + 29:09
SAMPLE: 90905 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: APR22VG01 #2941
CALI: APR22VG01 #3

BASE M/Z: 233
RIC: 54784.



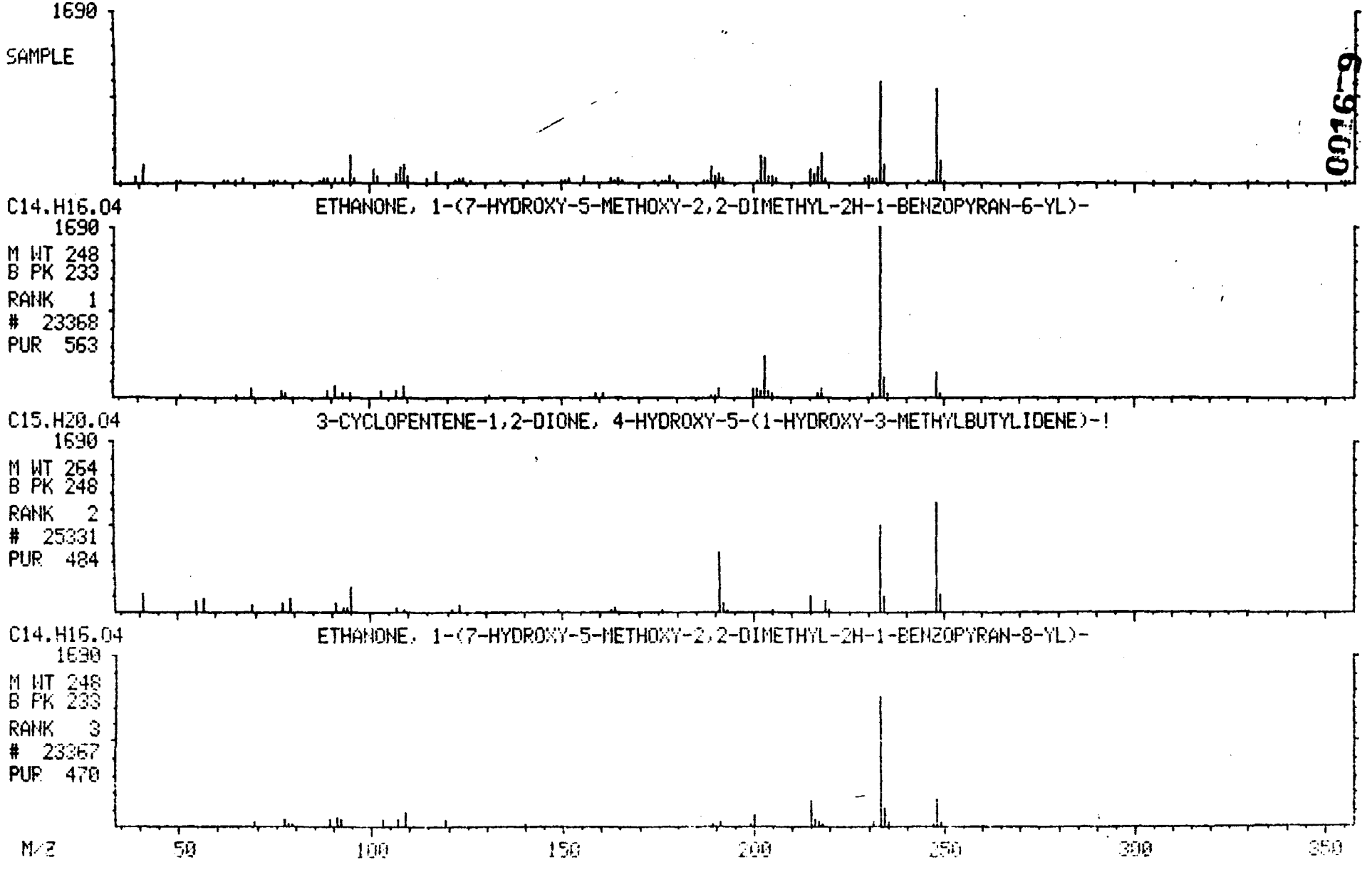


001690

MID LIBRARY SEARCH (LIBRARYNB)
04/22/91 17:05:00 + 29:09
SAMPLE: 90905 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T) .

DATA: APR22VG01 #2941
CALI: APR22VG01 # 3

BASE M/Z: 233
RIC: 51904.



001679

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

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

% Moisture: not dec. 43 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	1200	U
111-44-4	bis(2-Chloroethyl)Ether	1200	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	1200	U
106-46-7	1,4-Dichlorobenzene	490	J
100-51-6	Benzyl Alcohol	1200	U
95-50-1	1,2-Dichlorobenzene	320	J
95-48-7	2-Methylphenol	1200	U
39638-32-9	bis(2-Chloroisopropyl)Ether	1200	U
106-44-5	4-Methylphenol	1200	U
621-64-7	N-Nitroso-Di-n-Propylamine	1200	U
67-72-1	Hexachloroethane	1200	U
98-95-3	Nitrobenzene	1200	U
78-59-1	Isophorone	1200	U
88-75-5	2-Nitrophenol	1200	U
105-67-9	2,4-Dimethylphenol	1200	U
65-85-0	Benzoic Acid	5600	U
111-91-1	bis(2-Chloroethoxy)Methane	1200	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	1200	U
91-20-3	Naphthalene	1200	U
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	1200	U
59-50-7	4-Chloro-3-Methylphenol	1200	U
91-57-6	2-Methylnaphthalene	1200	U
77-47-4	Hexachlorocyclopentadiene	1200	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	5600	U
91-58-7	2-Chloronaphthalene	1200	U
88-74-4	2-Nitroaniline	5600	U
131-11-3	Dimethyl Phthalate	1200	U
208-96-8	Acenaphthylene	1200	U
606-20-2	2,6-Dinitrotoluene	1200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

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

% Moisture: not dec. 43 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	5600	U
83-32-9	Acenaphthene	1200	U
51-28-5	2,4-Dinitrophenol	5600	U
100-02-7	4-Nitrophenol	5600	U
132-64-9	Dibenzofuran	1200	U
121-14-2	2,4-Dinitrotoluene	1200	U
84-66-2	Diethylphthalate	1200	U
7005-72-3	4-Chlorophenyl-phenylether	1200	U
86-73-7	Fluorene	1200	U
100-10-6	4-Nitroaniline	5600	U
534-52-1	4,6-Dinitro-2-Methylphenol	5600	U
86-30-6	N-Nitrosodiphenylamine (1)	1200	U
101-55-3	4-Bromophenyl-phenylether	1200	U
118-74-1	Hexachlorobenzene	1200	U
87-86-5	Pentachlorophenol	5600	U
85-01-8	Phenanthrene	320	J
120-12-7	Anthracene	1200	U
84-74-2	Di-n-Butylphthalate	1200	U
206-44-0	Fluoranthene	470	J
129-00-0	Pyrene	450	J
85-68-7	Butylbenzylphthalate	1200	U
91-94-1	3,3'-Dichlorobenzidine	2300	U
56-55-3	Benzo(a)Anthracene	1200	U
218-01-9	Chrysene	400	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1200	U
117-84-0	Di-n-Octyl Phthalate	1200	U
205-99-2	Benzo(b)Fluoranthene	1200	U
207-08-9	Benzo(k)Fluoranthene	1200	U
50-32-8	Benzo(a)Pyrene	1200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1200	U
53-70-3	Dibenz(a,h)Anthracene	1200	U
191-24-2	Benzo(g,h,i)Perylene	1200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X108

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190906

Sample wt/vol: 30.1 (g/mL) G Lab File ID: APR22GK07

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

% Moisture: not dec. 43 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

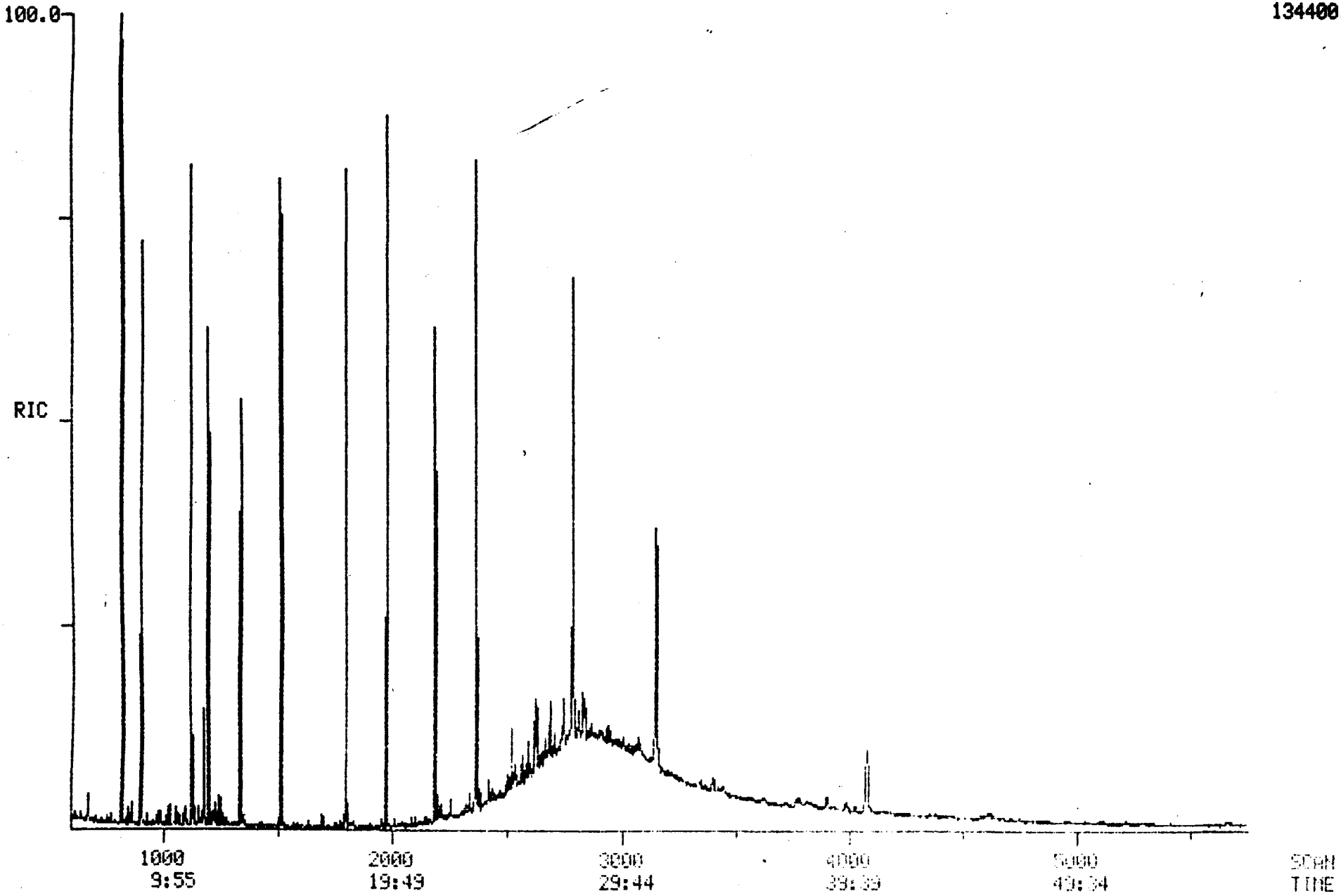
CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	6.70	100	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.13	2800	BAJ
3.	UNKNOWN	10.19	110	J
4.	UNKNOWN	11.65	340	BJ
5.	UNKNOWN	22.35	82	J
6.	UNKNOWN ALIP. HYDROCARBON	23.17	82	J
7.	UNKNOWN PHTHALATE	23.99	89	J
8.	UNKNOWN	24.97	200	J
9.	METHYL PHENANTHRENE	25.12	82	J
10.	UNKNOWN	25.41	120	J
11.	UNKNOWN	25.71	150	J
12.	UNKNOWN	25.99	290	J
13.	UNKNOWN	26.04	250	J
14.	UNKNOWN	27.87	110	J
15.	UNKNOWN	28.07	180	J
16.	UNKNOWN	28.14	170	J
17.	UNKNOWN ALIP. HYDROCARBON	33.74	95	J
18.	UNKNOWN ALIP. HYDROCARBON	38.69	89	J

X108

RIC
04/22/91 15:39:00
SAMPLE: 90906 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: APR22GK07 #1 SCANS 600 TO 5750
CALI: APR22GK07 #3



9 2 2 2 6 0 0 0 4 4 8

001683

4/22/91 15:39:20
Acquisition started

4/22/91 15:39:24

Acquire | Run 3:APR22GK07 | Starting
04/22/91 15:39:00 + 0:00 | Free sectors: 13140 | Scan: 0 of 5750
Sample: 90906 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 (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 :	45 Deg C
3	280-280	-	32.0	60.0	Transfer-line:	273 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

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 16:40:42
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5750	16.4	3419.7	0.5	276235.	48.	81.

Quantitation Report File: APR22GK07

Data: APR22GK07.TI
04/22/91 15:39:00
Sample: 90906 GPC CLP 1UL-1.0ML
Cmns.: 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	0380 2-FLUOROPHENOL (SURROGATE)
15	0385 D6-PHENOL (SURROGATE)
16	0140 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	0450 NAPHTHALENE
26	0455 4-CHLOROANILINE
27	0460 HEXACHLOROBUTADIENE
28	0465 4-CHLORO-3-METHYLPHENOL
29	0470 2-METHYLNAPHTHALENE
30	0380 D5-NITROBENZENE (SURROGATE)
31	0190 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	0590 DIETHYLPHTHALATE
47	0595 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	1196	11:51	1	1.000	A BB	59208.	40.000 UG/L	4.99
2	94	1123	11:08	1	0.939	A BB	928.	0.705 UG/L	0.09
3	NOT FOUND								
4	NOT FOUND								
5	146	1187	11:46	1	0.992	A BB	364.	0.324 UG/L	0.04
6	146	1199	11:53	1	1.003	A BB	5062.	4.242 UG/L	0.53
7	146	1245	12:20	1	1.041	A BB	3058.	2.759 UG/L	0.34
8	NOT FOUND								
9	NOT FOUND								
10	45	1270	12:35	1	1.062	A BB	160.	0.100 UG/L	0.01
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	904	8:58	1	0.756	A BB	81626.	97.767 %	12.20
15	99	1121	11:07	1	0.937	A BB	99225.	107.074 %	13.36
16	106	1319	12:31	16	1.000	A BB	150622.	40.000 UG/L	4.99
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	121	1511	14:24	16	0.993	A BB	824.	0.880 UG/L	0.11
25	106	1510	14:24	16	1.003	A BB	766.	0.223 UG/L	0.03
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	[illegible]	[illegible]	16:[illegible]	16	1.121	A BB	422.	0.186 UG/L	0.02
30	[illegible]	[illegible]	15:[illegible]	16	0.883	A BV	68422.	94.262 %	11.76
31	[illegible]	[illegible]	19:[illegible]	31	1.000	A BB	80668.	40.000 UG/L	4.99
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	166	1671	18:11	31	0.927	A BB	416.	0.190 UG/L	0.02
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	193	1894	19:40	31	1.004	A BB	610.	0.298 UG/L	0.04
41	NOT FOUND								
42	NOT FOUND								
43	168	2025	20:04	31	1.025	A BB	546.	0.171 UG/L	0.02
44	NOT FOUND								
45	NOT FOUND								
46	188	2095	20:45	31	1.060	A BB	172.	0.066 UG/L	0.01
47	NOT FOUND								
48	165	2116	20:58	31	1.071	A BB	534.	0.223 UG/L	0.03
49	NOT FOUND								
50	172	1796	17:46	31	0.910	A BV	106892.	106.424 %	13.28

Quantitation Report File: APR22GK07

Data: APR22GK07.TI
04/22/91 15:39:00
Sample: 90906 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	0555 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	0160 D10-PHENANTHRENE (INTERNAL)
53	0611 4,6-DINITRO-2-METHYLPHENOL
54	0613 4-BROMOPHENYL PHENYL ETHER
55	0621 HEXACHLOROBENZENE
56	0677 PENTACHLOROPHENOL
57	0640 PHENANTHRENE
58	0645 ANTHRACENE
59	0650 DI-N-BUTYLPHTHALATE
60	0699 FLUORANTHENE
61	0701 ACENAPHTHENE
62	0710 PYRENE
63	0713 N-NITROSODIPHENYLAMINE
64	0170 D12-CHRYSENE (INTERNAL)
65	0727 BUTYLBENZYLPHTHALATE
66	0775 3,3'-DICHLOROBENZIDINE
67	0780 BENZO(A)ANTHRACENE
68	0790 BIS(2-ETHYLHEXYL)PHTHALATE
69	0800 CHRYSENE
70	0820 2,4,6-TRIBROMOPHENOL (SURROGATE)
71	0175 D12-PERYLENE (INTERNAL)
72	0840 DI-N-OCTYLPHTHALATE
73	0860 BENZO(B)FLUORANTHENE
74	0870 BENZO(K)FLUORANTHENE
75	0880 BENZO(A)PYRENE
76	0890 INDENO(1,2,3-CD)PYRENE
77	0900 DIBENZO(A,H)ANTHRACENE
78	0910 BENZO(G,H,I)PERYLENE

No.	Name	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	[illegible]	21:29	51	1.105	A BB	21262.	99.856 %	12.46
52	180 2383	23:25	52	1.000	A BV	137914.	40.000 UG/L	4.99
53	NOT FOUND							
54	NOT FOUND							
55	NOT FOUND							
56	NOT FOUND							
57	172 2368	23:29	52	1.003	A BB	9445.	2.769 UG/L	0.35
58	175 2380	23:35	52	1.007	A BB	1660.	0.479 UG/L	0.06
59	149 2322	25:00	52	1.067	A BB	924.	0.219 UG/L	0.03
60	202 2486	26:37	52	1.137	A BB	13135.	4.060 UG/L	0.51
61	77 2162	21:26	52	0.915	A BB	674.	0.186 UG/L	0.02
62	202 2747	27:14	52	1.163	A BV	12211.	3.834 UG/L	0.48
63	169 2142	21:14	52	0.906	A BB	86.	0.074 UG/L	0.01
64	240 2149	31:13	64	1.000	A BB	72591.	40.000 UG/L	4.99
65	NOT FOUND							

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT	FOUND							
67	228	3142	31:09	64	0.998	A BV	4437.	→ ~~2.272 UG/L~~	0.28
68	149	3169	31:25	64	1.006	A BB	354.	0.243 UG/L	0.03
69	228	3160	31:19	64	1.003	A VB	6309.	3.472 UG/L	0.43
70	244	2785	27:36	64	0.885	A BB	92542.	79.553 %	9.23
71	264	4078	40:25	71	1.000	A BB	35033.	40.000 UG/L	4.99
72	NOT	FOUND							
73	252	3769	37:22	71	0.924	A BV	5105.	→ ~~4.815 UG/L~~	0.60
74	252	3784	37:30	71	0.928	A VB	3667.	→ ~~5.385 UG/L~~	0.42
75	252	4028	39:56	71	0.988	A BB	3892.	→ ~~4.565 UG/L~~	0.57
76	276	5299	52:31	71	1.299	A VB	1780.	→ ~~6.471 UG/L~~	0.81
77	276	5340	52:56	71	1.309	A*BB	318.	1.072 UG/L	0.13
78	276	5665	56:09	71	1.389	A VB	2402.	→ ~~8.035 UG/L~~	1.00

Quantitation Report File: APR22GK07A

Data: APR22GK07.TI
04/22/91 15:39:00
Sample: 90906 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) * 0.016
Resp. fac. from Library Entry

$\frac{516435}{422318} \times 40 \times \frac{1}{3000} \times \frac{1}{100} = 0.016$

No	CAS #	Name
1	34314-83-5	FURAN, 2,3-DIHYDRO-4-METHYL-
2	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
3	930-68-7	2-CYCLOHEXEN-1-ONE
4	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
5	580-51-8	[1,1'-BIPHENYL]-3-OL
6	3891-98-3	DODECANE, 2,6,10-TRIMETHYL-
7	89-19-0	1,2-BENZENEDICARBOXYLIC ACID, BUTYL DECYL ESTER
8	127-63-9	BENZENE, 1,1'-SULFONYLBIS-
9	1210-34-0	5H-DIBENZO[A,D]CYCLOHEPTEN-5-OL, 10,11-DIHYDRO-
10	25377-73-5	2,5-FURANDIONE, 3-(DODECENYL)DIHYDRO-
11	5153-92-4	1H-NAPHTHO[2,1-B]PYRAN, 4A,5,6,6A,7,8,9,10,10A,10B-DEC
12	24035-50-5	1-PHENANTHRENECARBOXALDEHYDE, 1,2,3,4,4A,9,10,10A-OCTA
13	56009-20-2	CYCLOHEXANE, 1-(1,5-DIMETHYLHEXYL)-4-(4-METHYLPENTYL)-
14	5097-12-1	BENZENE, 1,1'-SULFONYLBIS[2-METHYL-
15	13304-07-9	BICYCLO[3.1.0]HEX-3-EN-2-ONE, 6,6-DIPHENYL-
16	7396-38-5	PHENANTHRENE, 2,4,5,7-TETRAMETHYL-
17	3079-30-9	DODECANE, 1-(METHYLSULFINYL)-
18	6561-44-0	OCTADECANE, 3-METHYL-
19	112-95-8	EICOSANE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	676	6:42	2	0.824	A VB	19180.UNK	0.059B	1.92
2	RIC	820	8:08	2	1.000	A BB	516435.Thio OL	1.600BA	51.64
3	RIC	1028	10:11	2	1.254	A BB	19980.UNK	0.062	2.00
4	RIC	1176	11:39	2	1.434	A BB	63203.UNK	0.196B	6.32
5	RIC	2254	22:21	2	2.749	A VB	15213.UNK	0.047	1.52
6	RIC	2338	23:10	2	2.851	A BB	15300.HC	0.047	1.53
7	RIC	2420	23:59	2	2.951	A BB	16540.Misc Phtl	0.051	1.65
8	RIC	2518	24:58	2	3.071	A BB	36208.UNK	0.112	3.62
9	RIC	2534	25:07	2	3.090	A VB	15107.Below	0.047	1.51
10	RIC	2563	25:24	2	3.126	A BB	21866.UNK	0.068	2.19
11	RIC	2592	25:42	2	3.161	A BB	26808.UNK	0.083	2.68
12	RIC	2621	25:59	2	3.196	A BV	52797.UNK	0.164	5.28
13	RIC	2627	26:02	2	3.204	A VB	46920.UNK	0.145	4.69
14	RIC	~~2726~~	27:07	2	3.337	A BV	~~16904.~~	~~0.052~~	1.69
15	RIC	2811	27:52	2	3.428	A BB	20384.UNK	0.063	2.04
16	RIC	2831	28:04	2	3.452	A BV	32152.UNK	0.100	3.22
17	RIC	2838	28:08	2	3.461	A VB	31116.UNK	0.096	3.11
18	RIC	3403	33:44	2	4.150	A BB	17497.HC	0.054	1.75
19	RIC	3902	38:41	2	4.759	A BB	16443.HC	0.051	1.64

Me. Phenanthrenal #9