SDMS US EPA REGION V -1

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WATER SEMIVOLATILE SURROGATE RECOVERY

158326

Lab Name: ILLINOIS EPA Contract: _____

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

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	G201	88	88	93	41	60	70	0	0
02	G202	84	86	100	26	39	57	0	0
03	G203	89	90	95	34	51	62	0	0
04	G204	92	93	104	44	65	72	0	0
05	G205	83	79	93	45	66	78	0	0
06	SBLKW	79	77	88	46	72	84	0	0
07	G205MS	85	84	97	40	58	78	0	0
08	G205MSD	83	82	94	46	65	79	0	0
09	SBLKW	79	77	88	46	72	84	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(35-114)
S2 (FBP)	= 2-Fluorobiphenyl	(43-116)
S3 (TPH)	= Terphenyl	(33-141)
S4 (PHL)	= Phenol-d5	(10-94)
S5 (2FP)	= 2-Fluorophenol	(21-100)
S6 (TBP)	= 2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

92226001598

000922

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SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

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

Level:(low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ)#	S2 (FBP)#	S3 (TPH)#	S4 (PHL)#	S5 (2FP)#	S6 (TBP)#	OTHER	TOT OUT
01	SBLKSL	85	104	72	99	92	87	0	0
02	X101	88	125 *	87	104	93	104	0	1
03	X102	94	136 *	88	110	106	117	0	1
04	X103	96	108	90	98	94	89	0	0
05	X104	96	117 *	85	109	109	99	0	1
06	X106	88	106	60	101	87	88	0	0
07	X107	92	113	67	80	49	20	0	0
08	X108	94	106	80	107	98	100	0	0
09	X109	93	107	71	103	87	87	0	0
10	X110	83	103	80	102	86	96	0	0
11	X111	91	107	74	106	103	97	0	0
12	X112	110	132 *	94	129 *	119	106	0	2
13	X112RE	110	131 *	97	130 *	118	106	0	2
14	X113	83	103	88	106	84	100	0	0
15	X114	84	119 *	100	103	100	108	0	1
16	X114MS	62	79	62	74	63	68	0	0
17	X114MSD	46	62	62	56	47	58	0	0
18	SBLKSL	85	104	72	99	92	87	0	0

		QC LIMITS
S1 (NBZ)	= Nitrobenzene-d5	(23-120)
S2 (FBP)	= 2-Fluorobiphenyl	(30-115)
S3 (TPH)	= Terphenyl	(18-137)
S4 (PHL)	= Phenol-d5	(24-113)
S5 (2FP)	= 2-Fluorophenol	(25-121)
S6 (TBP)	= 2,4,6-Tribromophenol	(19-122)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

000920

FORM II SV-2 1/87 Rev.

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix Spike - EPA Sample No.: G205

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	50.0	0	17.5	35	12- 86
2-Chlorophenol	50.0	0	37.0	74	27-123
1,4-Dichlorobenzene	50.0	0	35.8	72	36 97
N-Nitroso-di-n-prop.(1)	50.0	0	37.5	75	41 116
1,2,4-Trichlorobenzene	50.0	0	35.6	71	39 98
4-Chloro-3-methylphenol	50.0	0	36.7	73	23 97
Acenaphthene	50.0	0	38.7	77	46-118
4-Nitrophenol	50.0	0	15.3	31	10- 80
2,4-Dinitrotoluene	50.0	0	37.5	75	24- 96
Pentachlorophenol	50.0	0	39.6	79	9-103
Pyrene	50.0	0	35.7	71	26-127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0	20.0	40	-13	42	12- 86
2-Chlorophenol	50.0	41.5	83	-11	40	27-123
1,4-Dichlorobenzene	50.0	35.9	72	0	28	36 97
N-Nitroso-di-n-prop.(1)	50.0	37.3	75	0	38	41 116
1,2,4-Trichlorobenzene	50.0	36.2	72	-1	28	39 98
4-Chloro-3-methylphenol	50.0	41.0	82	-12	42	23 97
Acenaphthene	50.0	38.0	76	1	31	46-118
4-Nitrophenol	50.0	18.3	37	-18	50	10- 80
2,4-Dinitrotoluene	50.0	36.4	73	3	38	24- 96
Pentachlorophenol	50.0	45.5	91	-14	50	9-103
Pyrene	50.0	36.3	73	-3	31	26-127

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

000924

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix Spike - EPA Sample No.: X114 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC LIMITS REC.
Phenol	100	0	47.2	47	26- 90
2-Chlorophenol	100	0	42.6	43	25-102
1,4-Dichlorobenzene	100	0	42.0	42	28 104
N-Nitroso-di-n-prop.(1)	100	0	46.0	46	41 126
1,2,4-Trichlorobenzene	100	0	44.4	44	38 107
4-Chloro-3-methylphenol	100	0	49.6	50	26 103
Acenaphthene	100	0	53.6	54	31-137
4-Nitrophenol	100	0	59.8	60	11-114
2,4-Dinitrotoluene	100	0	58.4	58	28- 89
Pentachlorophenol	100	0	43.2	43	17-109
Pyrene	100	0	66.6	67	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	50.0	18.5	37	24	35	26- 90
2-Chlorophenol	50.0	17.2	34	23	50	25-102
1,4-Dichlorobenzene	50.0	16.6	33	24	27	28 104
N-Nitroso-di-n-prop.(1)	50.0	17.9	36 *	24	38	41 126
1,2,4-Trichlorobenzene	50.0	17.1	34 *	26 *	23	38 107
4-Chloro-3-methylphenol	50.0	21.8	44	13	33	26 103
Acenaphthene	50.0	22.1	44	20 *	19	31-137
4-Nitrophenol	50.0	27.3	55	9	50	11-114
2,4-Dinitrotoluene	50.0	28.6	57	2	47	28- 89
Pentachlorophenol	50.0	18.6	37	15	47	17-109
Pyrene	50.0	31.9	64	5	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 11 outside limits
Spike Recovery: 2 out of 22 outside limits

COMMENTS:

003925

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID: APR02GK03 Lab Sample ID: D190952

Date Extracted: 03/29/91 Extraction:(SepF/Cont/Sonc) SEPF

Date Analyzed: 04/02/91 Time Analyzed: 1035

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: INC500

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	G201	D190894	APR02GK04	04/02/91
02	G202	D190895	APR02VG01	04/02/91
03	G203	D190896	APR02GK05	04/02/91
04	G204	D190897	APR02GK06	04/02/91
05	G205	D190898	APR02VG02	04/02/91
06	G205MS	D190951	APR02VG03	04/02/91
07	G205MSD	D190951R	APR02VG04	04/02/91

COMMENTS:

000926

FORM IV SV 1/87 Rev.

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID: APR19GK03 Lab Sample ID: D190947

ate Extracted: 03/29/91 Extraction:(SepF/Cont/Sonc) SONC

ate Analyzed: 04/19/91 Time Analyzed: 1122

atrix: (soil/water) SOIL Level:(low/med) LOW

nstrument ID: INC500

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	X101	D190900	APR19VG03	04/19/91
02	X102	D190901	APR19VG04	04/19/91
03	X103	D190902	APR22GK05	04/22/91
04	X104	D190903	APR22GK04	04/22/91
05	X106	D190904	APR22VG04	04/22/91
06	X107	D190905	APR22VG01	04/22/91
07	X108	D190906	APR22GK07	04/22/91
08	X109	D190907	APR22GK03	04/22/91
09	X110	D190908	APR22VG02	04/22/91
10	X111	D190909	APR22VG03	04/22/91
11	X112	D190910	APR19GK04	04/19/91
12	X112RE	D190910	APR19GK06	04/19/91
13	X113	D190911	APR22GK06	04/22/91
14	X114	D190912	APR19VG02	04/19/91
15	X114MS	D190946	APR23GK03	04/23/91
16	X114MSD	D190946R	APR23GK04	04/23/91

OMMENTS:

000927

FORM IV SV

1/87 Rev.

CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID: APR02GK01 DFTPP Injection Date: 04/02/91

nstrument ID: INC500 DFTPP Injection Time: 0841

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.1
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.5
70	Less than 2.0% of mass 69	0.5 (0.8)1
197	40.0 - 60.0% of mass 198	59.6
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	23.5
365	Greater than 1.00% of mass 198	2.39
441	Present, but less than mass 443	7.1
442	Greater than 40.0% of mass 198	54.9
443	17.0 - 23.0% of mass 442	10.5 (19.2)2

1-Value is % mass 69 2-Value is % mass 442

HIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	040291STD	APR02GK02	04/02/91	0859
02	SBLKW	D190952	APR02GK03	04/02/91	1035
03	SBLKW	D190952	APR02GK03	04/02/91	1035
04	G201	D190894	APR02GK04	04/02/91	1149
05	G203	D190896	APR02GK05	04/02/91	1306
06	G204	D190897	APR02GK06	04/02/91	1414
07	G202	D190895	APR02VG01	04/02/91	1520
08	G205	D190898	APR02VG02	04/02/91	1636
09	G205MS	D190951	APR02VG03	04/02/91	1736
10	G205MSD	D190951R	APR02VG04	04/02/91	1828

000928

FORM V SV 1/87 Rev.

SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID: APR19GK01 DFTPP Injection Date: 04/19/91

nstrument ID: INC500 DFTPP Injection Time: 0915

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.2
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Mass 69 relative abundance	57.6
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	54.5
197	Less than 1.0% of mass 198	0.4
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.0
275	10.0 - 30.0% of mass 198	22.5
365	Greater than 1.00% of mass 198	2.12
441	Present, but less than mass 443	5.3
442	Greater than 40.0% of mass 198	43.5
443	17.0 - 23.0% of mass 442	8.5 (19.6)2

1-Value is % mass 69 2-Value is % mass 442

HIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	041991STD	APR19GK02	04/19/91	0944
02	SBLKSL	D190947	APR19GK03	04/19/91	1122
03	SBLKSL	D190947	APR19GK03	04/19/91	1122
04	X112	D190910	APR19GK04	04/19/91	1258
05	X112RE	D190910	APR19GK06	04/19/91	1522
06	X114	D190912	APR19VG02	04/19/91	1820
07	X101	D190900	APR19VG03	04/19/91	1934
08	X102	D190901	APR19VG04	04/19/91	2058

000929

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SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID: APR22GK01 DFTPP Injection Date: 04/22/91

nstrument ID: INC500 DFTPP Injection Time: 0908

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.7
68	Less than 2.0% of mass 69	0.4 (0.8)1
69	Mass 69 relative abundance	55.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	57.1
197	Less than 1.0% of mass 198	0.3
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	23.9
365	Greater than 1.00% of mass 198	2.47
441	Present, but less than mass 443	6.7
442	Greater than 40.0% of mass 198	53.9
443	17.0 - 23.0% of mass 442	10.6 (19.7)2

1-Value is % mass 69 2-Value is % mass 442

HIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	042291STD	APR22GK02	04/22/91	0933
02	X109	D190907	APR22GK03	04/22/91	1059
03	X104	D190903	APR22GK04	04/22/91	1205
04	X103	D190902	APR22GK05	04/22/91	1312
05	X113	D190911	APR22GK06	04/22/91	1423
06	X108	D190906	APR22GK07	04/22/91	1539
07	X107	D190905	APR22VG01	04/22/91	1705
08	X110	D190908	APR22VG02	04/22/91	1816
09	X111	D190909	APR22VG03	04/22/91	1922
10	X106	D190904	APR22VG04	04/22/91	2059

000930

FORM V SV 1/87 Rev.

CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID: APR23GK01 DFTPP Injection Date: 04/23/91

nstrument ID: INC500 DFTPP Injection Time: 0834

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	56.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	56.6
197	Less than 1.0% of mass 198	0.2
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	24.9
365	Greater than 1.00% of mass 198	3.04
441	Present, but less than mass 443	7.9
442	Greater than 40.0% of mass 198	61.3
443	17.0 - 23.0% of mass 442	12.2 (19.9)2

1-Value is % mass 69 2-Value is % mass 442

HIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	042391STD	APR23GK02	04/23/91	0854
02	X114MS	D190946	APR23GK03	04/23/91	1032
03	X114MSD	D190946R	APR23GK04	04/23/91	1131

000931

FORM V SV 1/87 Rev.

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR02GK02 Date Analyzed: 04/02/91

Instrument ID: INC500 Time Analyzed: 0859

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	68000	11.85	153000	15.02	72600	19.59
UPPER LIMIT	136000		306000		145200	
LOWER LIMIT	34000		76500		36300	
EPA SAMPLE NO.						
01 G201	70400	11.85	161000	15.02	71400	19.59
02 G202	55600	11.84	128000	15.00	58600	19.55
03 G203	61900	11.82	142000	14.99	65500	19.55
04 G204	62200	11.85	144000	15.02	65300	19.59
05 G205	79400	11.84	188000	15.00	91300	19.57
06 SBLKW	57800	11.85	132000	15.02	59600	19.59
07 G205MS	74200	11.82	168000	14.99	83400	19.55
08 G205MSD	86500	11.85	193000	15.02	95500	19.59
09 SBLKW	57800	11.85	132000	15.02	59600	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000932

FORM VIII SV-1 1/87 Rev.

ab Name: ILLINOIS EPA Contract: _____

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

ab File ID (Standard): APR02GK02 Date Analyzed: 04/02/91

nstrument ID: INC500 Time Analyzed: 0859

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	106000	23.42	74500	31.19	45000	40.31
UPPER LIMIT	212000		149000		90000	
LOWER LIMIT	53000		37250		22500	
EPA SAMPLE NO.						
01 G201	103000	23.42	69400	31.19	48000	40.31
02 G202	82200	23.40	46900	31.16	25200	40.31
03 G203	98600	23.39	65300	31.16	42200	40.29
04 G204	92700	23.42	55500	31.19	31200	40.31
05 G205	137000	23.40	77200	31.17	40900	40.31
06 SBLKW	88000	23.42	55200	31.17	37300	40.31
07 G205MS	128000	23.39	72000	31.16	35500	40.31
08 G205MSD	143000	23.42	84500	31.19	43400	40.31
09 SBLKW	88000	23.42	55200	31.17	37300	40.31

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000933

FORM VIII SV-2

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SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR19GK02 Date Analyzed: 04/19/91

Instrument ID: INC500 Time Analyzed: 0944

	IS1(DCB) AREA	#	RT	IS2(NPT) AREA	#	RT	IS3(ANT) AREA	#	RT
12 HOUR STD	91600		11.85	216000		15.04	101000		19.59
UPPER LIMIT	183200			432000			202000		
LOWER LIMIT	45800			108000			50500		
EPA SAMPLE NO.									
01 SBLKSL	96700		11.85	229000		15.02	102000		19.59
02 X101	32100	*	11.87	86000	*	15.05	40700	*	19.60
03 X102	35000	*	11.85	86300	*	15.04	38500	*	19.60
04 X112	80900		11.84	196000		15.00	88000		19.57
05 X112RE	87600		11.84	207000		15.00	90200		19.57
06 X114	26900	*	11.87	65700	*	15.04	32500	*	19.60
07 SBLKSL	96700		11.85	229000		15.02	102000		19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000934

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR19GK02 Date Analyzed: 04/19/91

Instrument ID: INC500 Time Analyzed: 0944

	IS4(PHN) AREA	#	RT	IS5(CRY) AREA	#	RT	IS6(PRY) AREA	#	RT
12 HOUR STD	145000		23.42	78900		31.22	36500		40.41
UPPER LIMIT	290000			157800			73000		
LOWER LIMIT	72500			39450			18250		
EPA SAMPLE NO.									
01 SBLKSL	154000		23.42	84400		31.21	40300		40.39
02 X101	62800	*	23.45	32500	*	31.22	16000	*	40.41
03 X102	63000	*	23.42	34400	*	31.21	16700	*	40.37
04 X112	133000		23.40	77000		31.19	38400		40.37
05 X112RE	140000		23.40	81800		31.21	37600		40.37
06 X114	53400	*	23.44	29600	*	31.22	14900	*	40.39
07 SBLKSL	154000		23.42	84400		31.21	40300		40.39

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000935

FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR22GK02 Date Analyzed: 04/22/91

Instrument ID: INC500 Time Analyzed: 0933

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	59200	11.89	146000	15.05	70100	19.64
UPPER LIMIT	118400		292000		140200	
LOWER LIMIT	29600		73000		35050	
EPA SAMPLE NO.						
01 X103	44000	11.87	118000	15.04	65200	19.60
02 X104	49400	11.87	129000	15.05	63700	19.62
03 X106	72100	11.85	180000	15.02	90600	19.59
04 X107	54200	11.85	135000	15.04	69100	19.60
05 X108	59200	11.85	151000	15.02	80700	19.59
06 X109	48500	11.87	122000	15.05	64800	19.62
07 X110	75700	11.90	190000	15.07	92900	19.64
08 X111	64100	11.80	161000	15.00	81000	19.59
09 X113	57100	11.85	151000	15.04	77900	19.59

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000936

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR22GK02 Date Analyzed: 04/22/91

Instrument ID: INC500 Time Analyzed: 0933

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	106000	23.47	54600	31.26	23700	40.44
UPPER LIMIT	212000		109200		47400	
LOWER LIMIT	53000		27300		11850	
EPA SAMPLE NO.						
01 X103	110000	23.44	47700	31.22	21500	40.44
02 X104	101000	23.45	47600	31.26	22700	40.44
03 X106	147000	23.42	105000	31.24	55100 *	40.46
04 X107	130000	23.44	107000	31.26	43100	40.47
05 X108	138000	23.42	72600	31.22	35000	40.42
06 X109	111000	23.45	68900	31.26	33700	40.46
07 X110	151000	23.47	79500	31.27	40700	40.47
08 X111	130000	23.42	77700	31.22	38100	40.44
09 X113	132000	23.42	61100	31.22	27900	40.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000937

FORM VIII SV-2 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR23GK02 Date Analyzed: 04/23/91

Instrument ID: INC500 Time Analyzed: 0854

	IS1(DCB) AREA #	RT	IS2(NPT) AREA #	RT	IS3(ANT) AREA #	RT
12 HOUR STD	62500	11.87	152000	15.04	78200	19.60
UPPER LIMIT	125000		304000		156400	
LOWER LIMIT	31250		76000		39100	
EPA SAMPLE NO.						
01 X114MS	95400	11.84	229000	15.00	112000	19.59
02 X114MSD	107000	11.90	265000	15.07	133000	19.64

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

92225001614

000938

FORM VIII SV-1 1/87 Rev.

SEMIVOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: ILLINOIS EPA Contract: _____

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

Lab File ID (Standard): APR23GK02 Date Analyzed: 04/23/91

Instrument ID: INC500 Time Analyzed: 0854

	IS4(PHN) AREA #	RT	IS5(CRY) AREA #	RT	IS6(PRY) AREA #	RT
12 HOUR STD	131000	23.45	72700	31.24	31900	40.44
UPPER LIMIT	262000		145400		63800	
LOWER LIMIT	65500		36350		15950	
EPA SAMPLE NO.						
01 X114MS	194000	23.42	123000	31.21	66900 *	40.42
02 X114MSD	223000	23.47	129000	31.26	58700	40.47

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

000929

FORM VIII SV-2 1/87 Rev.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G201

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

9222500161517

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

G201

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190894

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK04

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

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

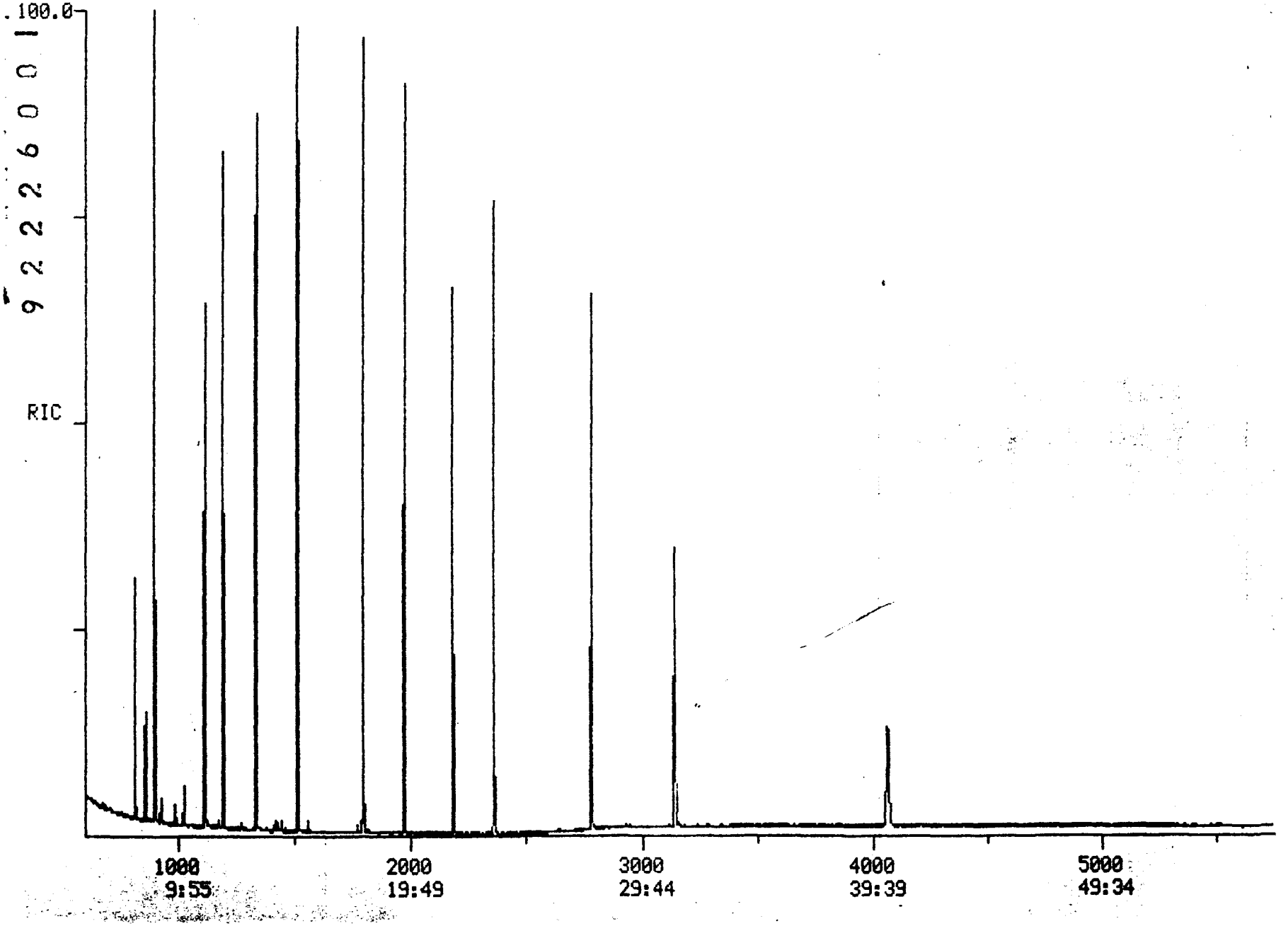
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.10	13	BAJ
2.	UNKNOWN	8.55	5.3	BJ
3.	UNKNOWN	9.20	1.1	J
4.	UNKNOWN	9.82	1.4	J
5.	UNKNOWN ALIP. KETONE	10.19	2.0	BAJ

G201

RIC
04/02/91 11:49:00
SAMPLE: 90894 OH-/H+ 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: APR02GK04 #1 SCANS 600 TO 5750
CALI: APR02GK04 #3

000943



9222600119

```
4/2/91     11:49:43
    Acquisition started


4/2/91     11:49:45
Acquire                          Run 4:APR02GK04          Starting
04/02/91 11:49:00 +  0:00        Free sectors:  5670      Scan: 0 of 5750
Sample: 90894 OH-/H+ CLP   1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:    0.000
Submitted by: SG                 Analyst: GK              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5
                    *** GC ready and waiting ***
GC Desc.: BN                                    Elapsed time :   0.0 Min
Seq.  Temp     Rate      Time (minutes)
 #   (DegC)  (C/min)  period     total      Injector A    :  260 Deg C
 1   40- 40     -       4.0       4.0       GC oven       :   40 Deg C
 2   40-280   10.0      24.0      28.0       Transfer-line:  270 Deg C
 3  280-280     -       32.0      60.0       Ion source    :  180 Deg C
Valve A : closed       Valve B : closed
                    *** Instrument parameters ***
    Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

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

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

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

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

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

    Calibration table:       1:CALTAB

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

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

Current instrument parameters.

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

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

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

4/2/91 12:47:58
ACQUISITION COMPLETED
Scans 1 to 5750 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5750	7.0	3419.7	0.2	109645. 19.	32.

Quantitation Report File: APR02GK04

Data: APR02GK04.TI
04/02/91 11:49:00
Sample: 90894 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

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

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

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1195	11:51	1	1.000	A BB	70434.	40.000 UG/L	5.88
2	NOT FOUND								
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	900	8:55	1	0.753	A BB	97495.	60.296 %	8.86
15	99	1117	11:04	1	0.935	A BB	69212.	40.694 %	5.98
16	136	1515	15:01	16	1.000	A BB	161094.	40.000 UG/L	5.88
17	77	1336	13:15	16	0.882	A BB	346.	~~0.183 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	62	1336	13:15	16	0.882	A BB	101776.	87.918 %	12.93
31	162	1975	19:55	31	1.000	A BB	71414.	40.000 UG/L	5.88
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	149	2096	20:47	31	1.061	A BB	34.	~~0.013 UG/L~~	0.00
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1798	17:49	31	0.910	A BV	113372.	87.661 %	12.89

Quantitation Report File: APR02GK04

Data: APR02GK04.TI
04/02/91 11:49:00
Sample: 90894 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

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

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	330	2183	21:38	31	1.105	A BB	22368.	70.236 %	10.33
52	188	2362	23:25	52	1.000	A BB	102816.	40.000 UG/L	5.88
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	149	2522	25:00	52	1.068	A BB	42.	~~0.011 UG/L~~	0.00
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	240	3146	31:11	64	1.000	A BB	69352.	40.000 UG/L	5.88
65	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3166	31:23	64	1.006	A BB	704.	~~0.443 UG/L~~	0.07
69	NOT FOUND								
70	244	2785	27:36	64	0.885	A BB	83758.	92.801 %	13.64
71	264	4066	40:18	71	1.000	A BB	48017.	40.000 UG/L	5.88
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222260001625

Quantitation Report File: APR02GK04A

Data: APR02GK04.TI
04/02/91 11:49:00
Sample: 90894 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.127
Resp. fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	822-67-3	2-CYCLOHEXEN-1-OL
4	42786-06-1	4H-1,2,4-TRIAZOL-3-AMINE, 4-ETHYL-
5	930-68-7	2-CYCLOHEXEN-1-ONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	817	8:06	1	1.000	A BB	119711. UNK	12.700 BA	56.22
2	RIC	862	8:33	1	1.055	A BB	49733. UNK	5.276 B	23.36
3	RIC	928	9:12	1	1.136	A BB	10606. UNK	1.125	4.98
4	RIC	990	9:49	1	1.212	A BB	13614. UNK	1.444	6.39
5	RIC	1027	10:11	1	1.257	A BB	19264 Alkylketone	2.044 BA	9.05

$$\frac{119711}{377728} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.127$$

9222500116266

000970

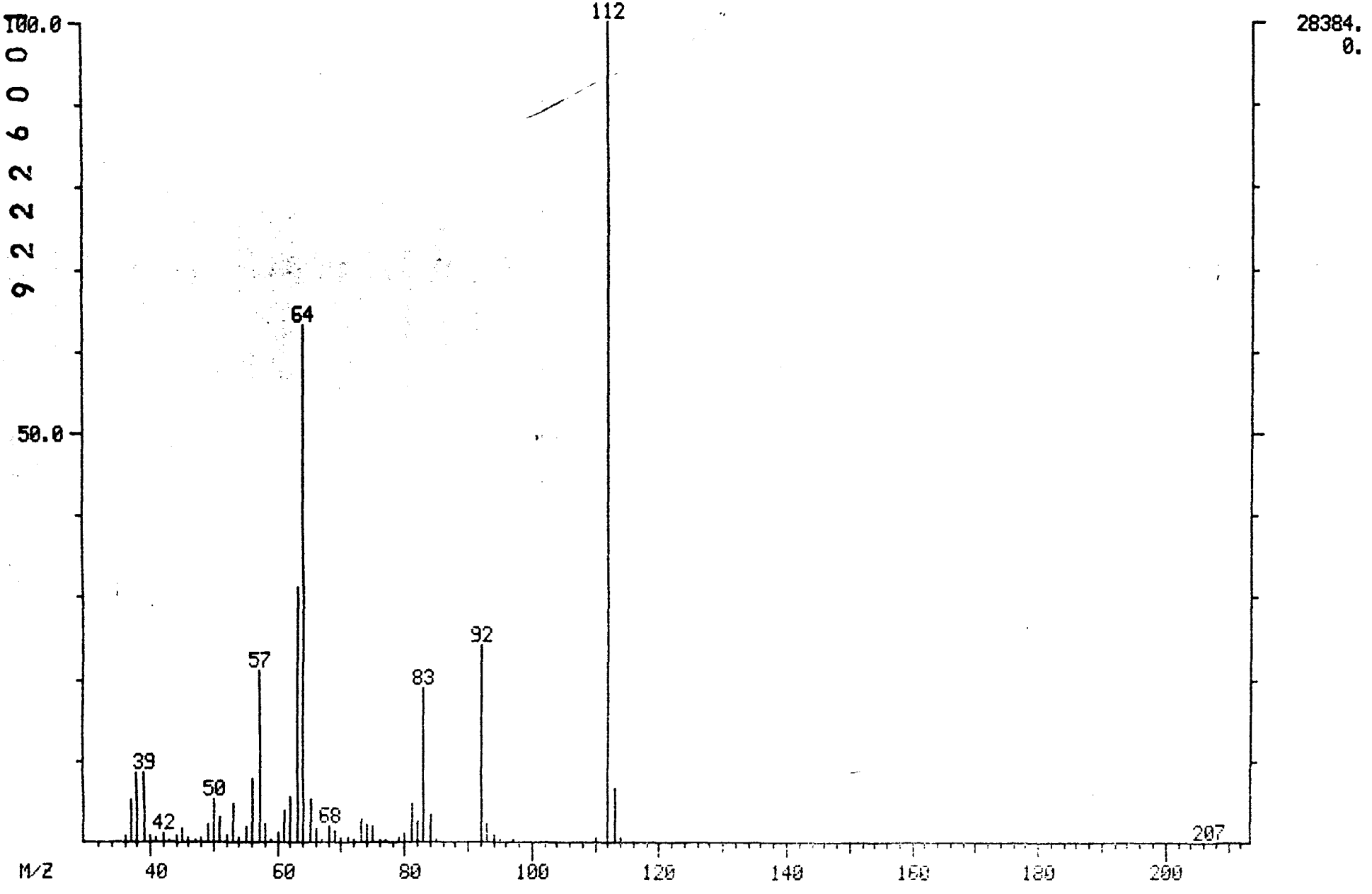
TARGET COMPOUND SPECTRA

9222600016527

MASS SPECTRUM
04/02/91 11:49:00 + 8:55
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #900
CALI: APR02GK04 #3

BASE M/Z: 112
RIC: 104832.



9222500156 28
9222600628
000522

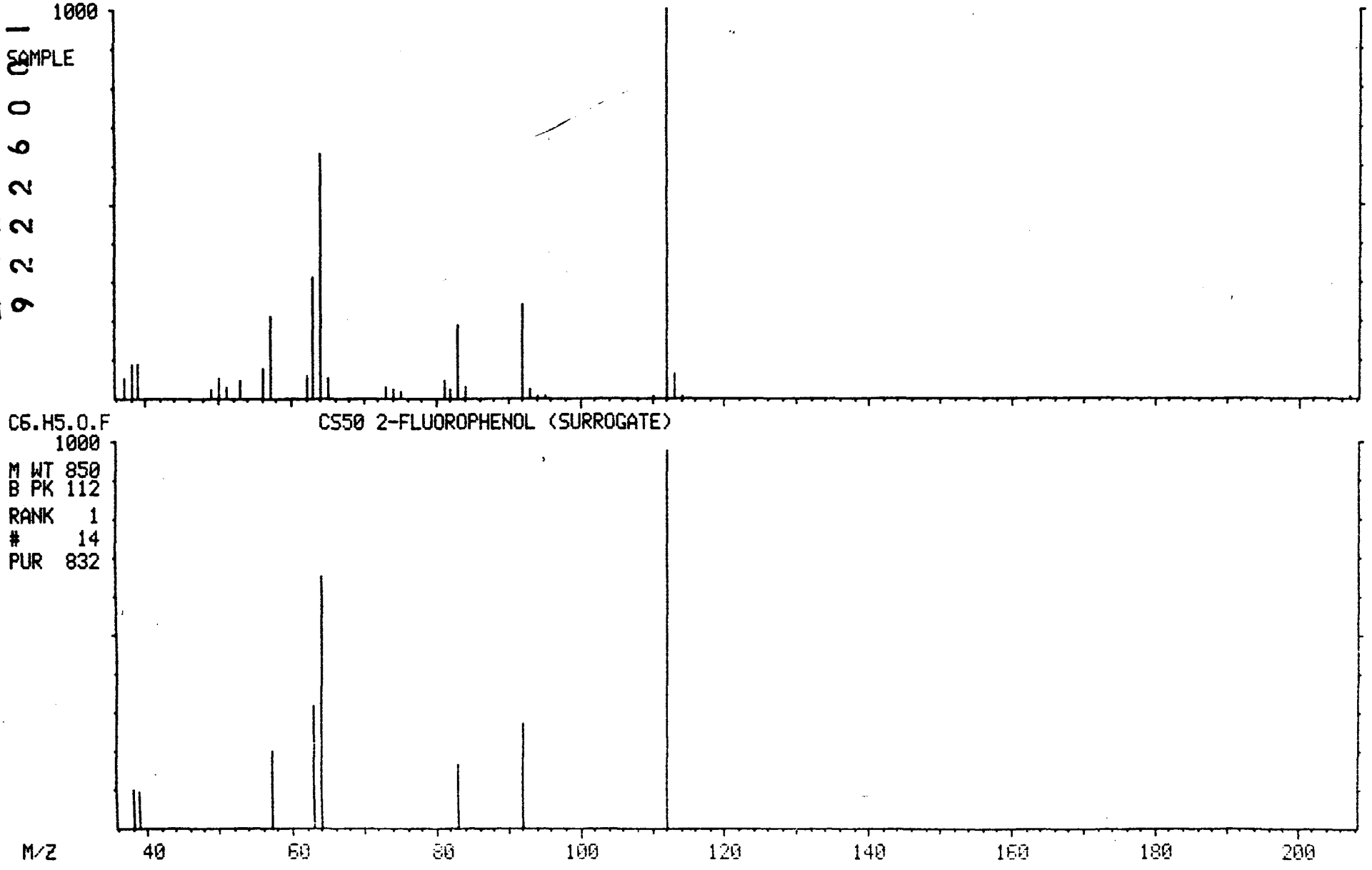
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 8:55
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 # 900
CALI: APR02GK04 # 3

BASE M/Z: 112
RIC: 97024.

9222260 21 5 6 2 9

W-953

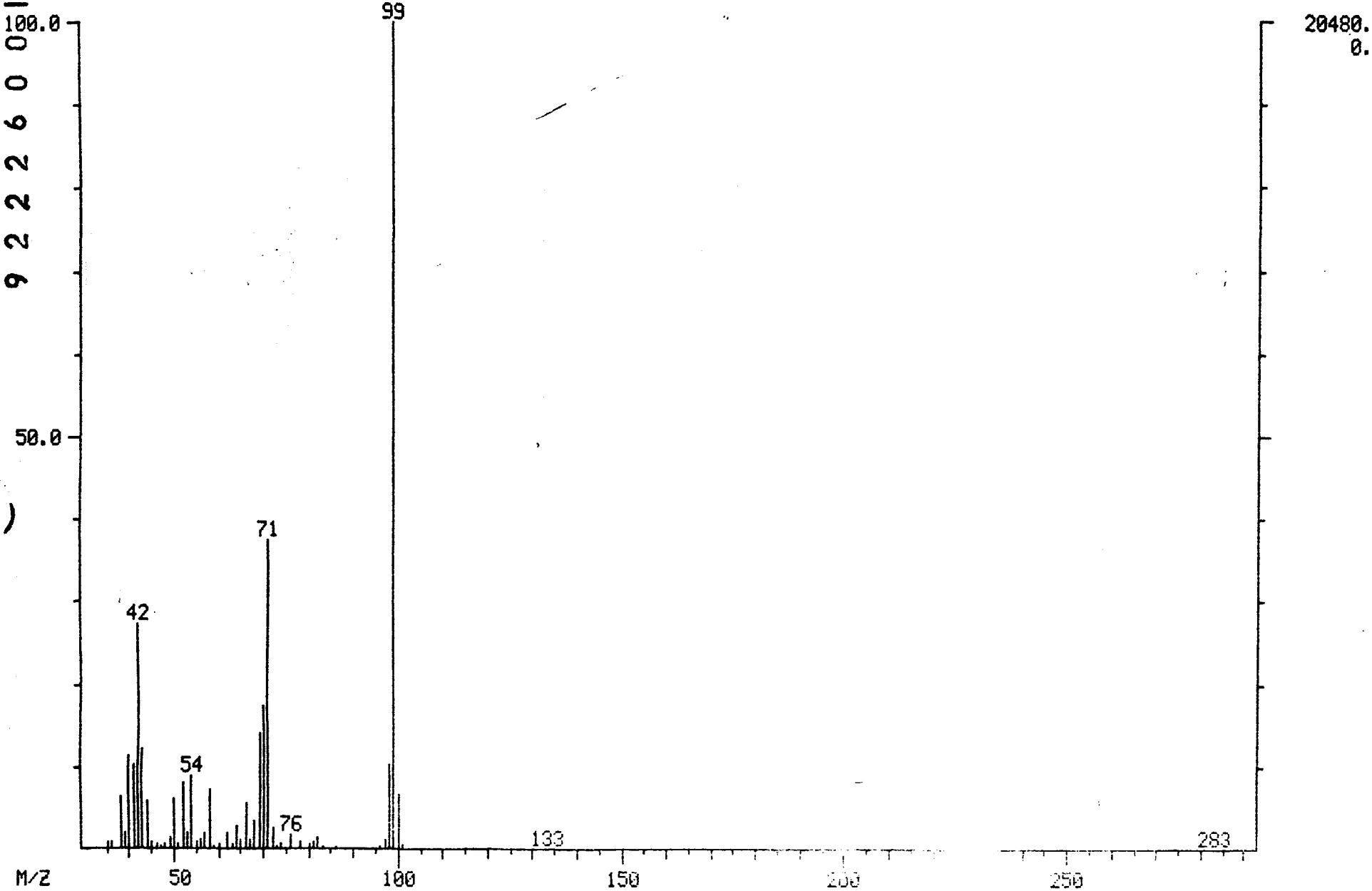


MASS SPECTRUM
04/02/91 11:49:00 + 11:04
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1117
CALI: APR02GK04 #3

BASE M/Z: 99
RIC: 67712.

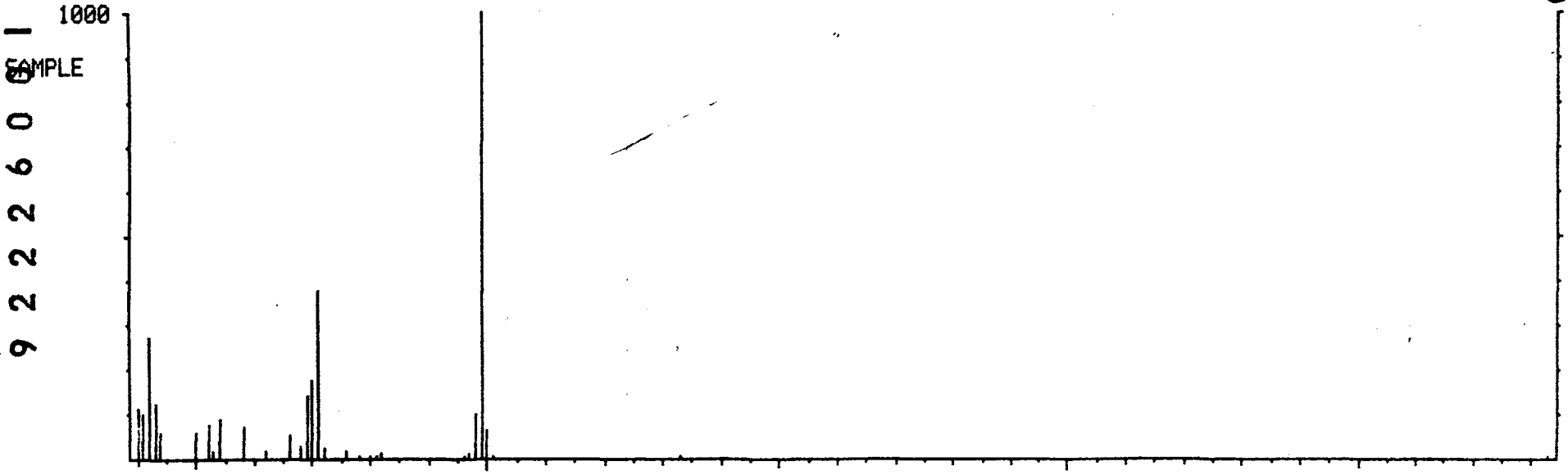
000954



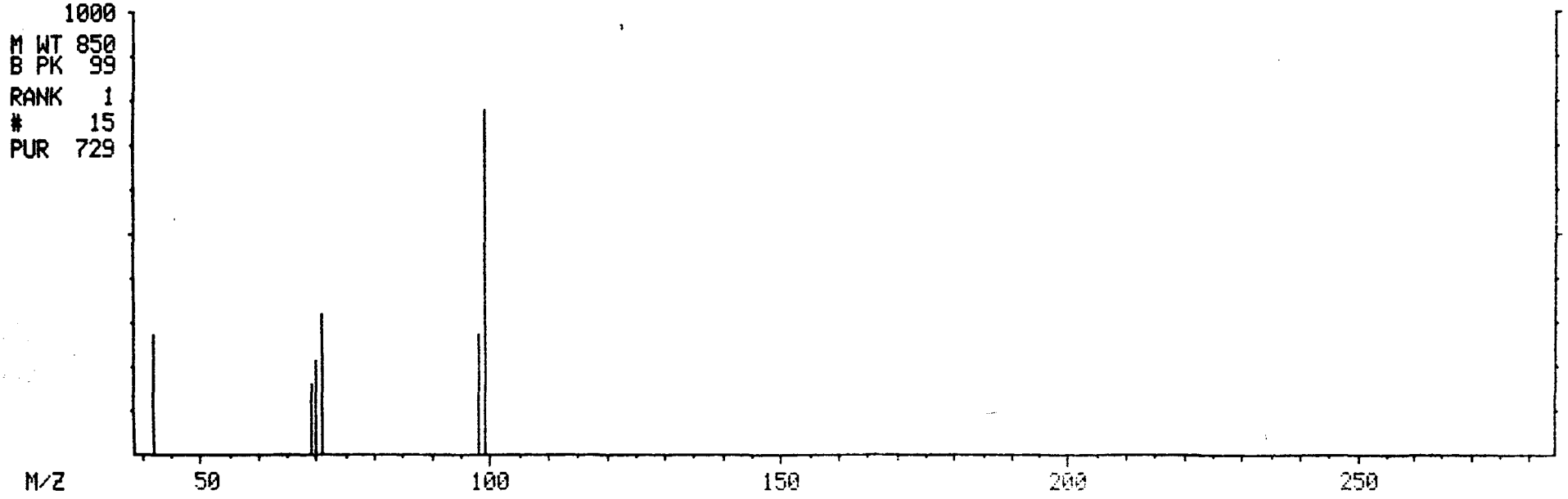
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 11:04
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1117
CALI: APR02GK04 # 3

BASE M/Z: 99
RIC: 62336.



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

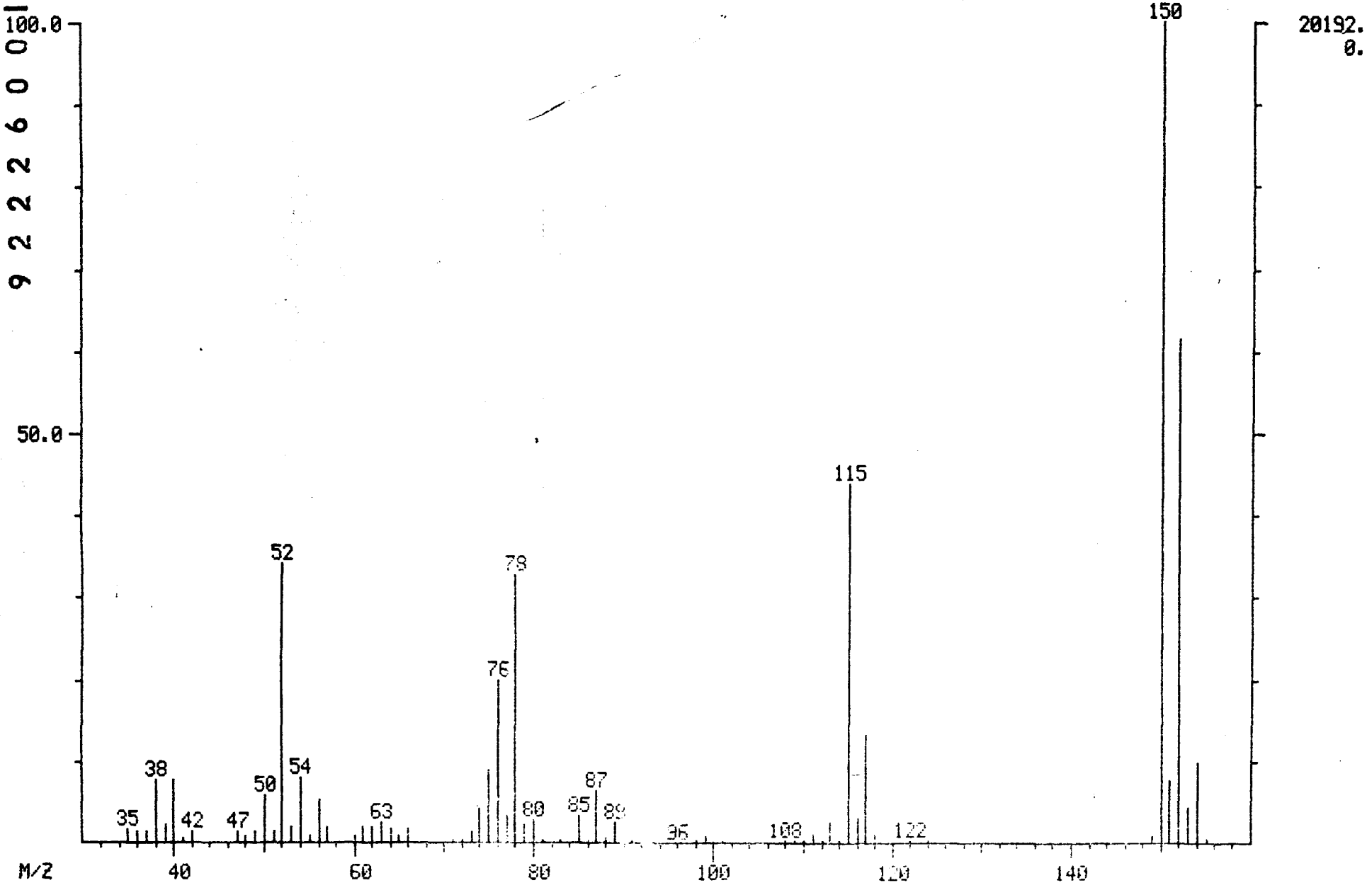


MASS SPECTRUM
04/02/91 11:49:00 + 11:51
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1195
CALI: APR02GK04 #3

BASE M/Z: 150
RIC: 89088.

956000

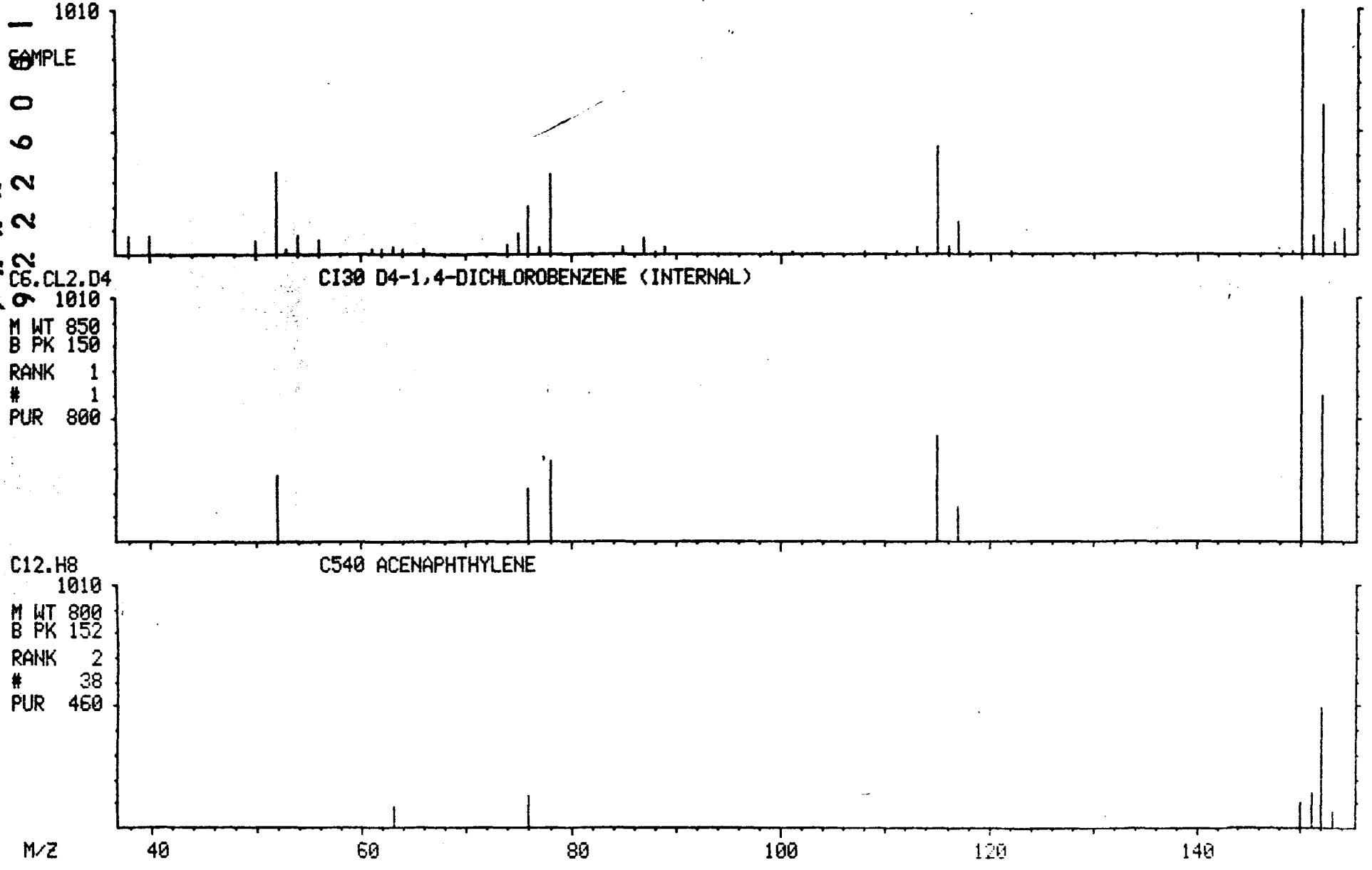


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 11:51
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1195
CALI: APR02GK04 # 3

BASE M/Z: 150
RIC: 83456.

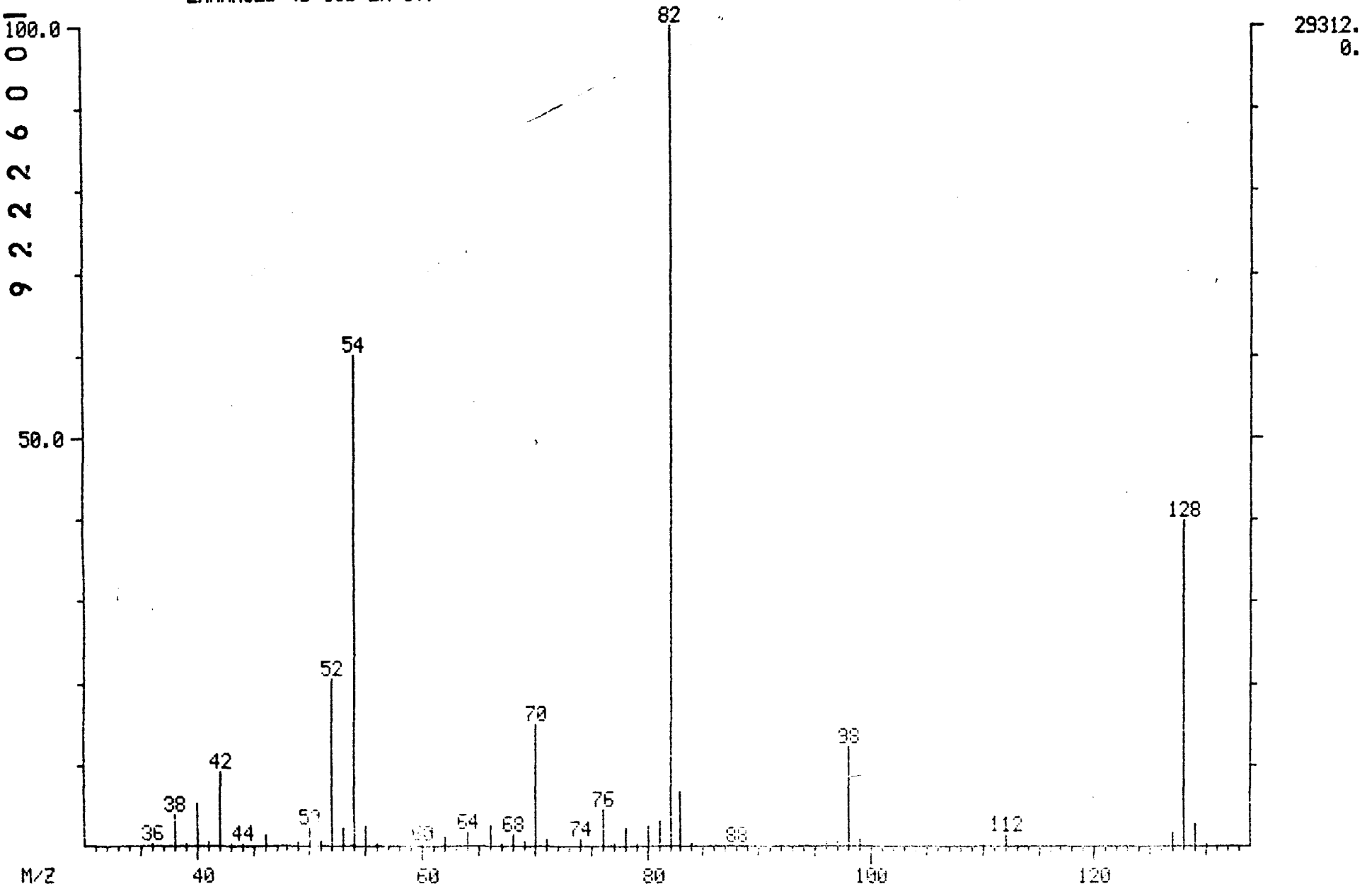
000957



MASS SPECTRUM
04/02/91 11:49:00 + 13:15
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1336
CALI: APR02GK04 #3

BASE M/Z: 82
RIC: 92032.



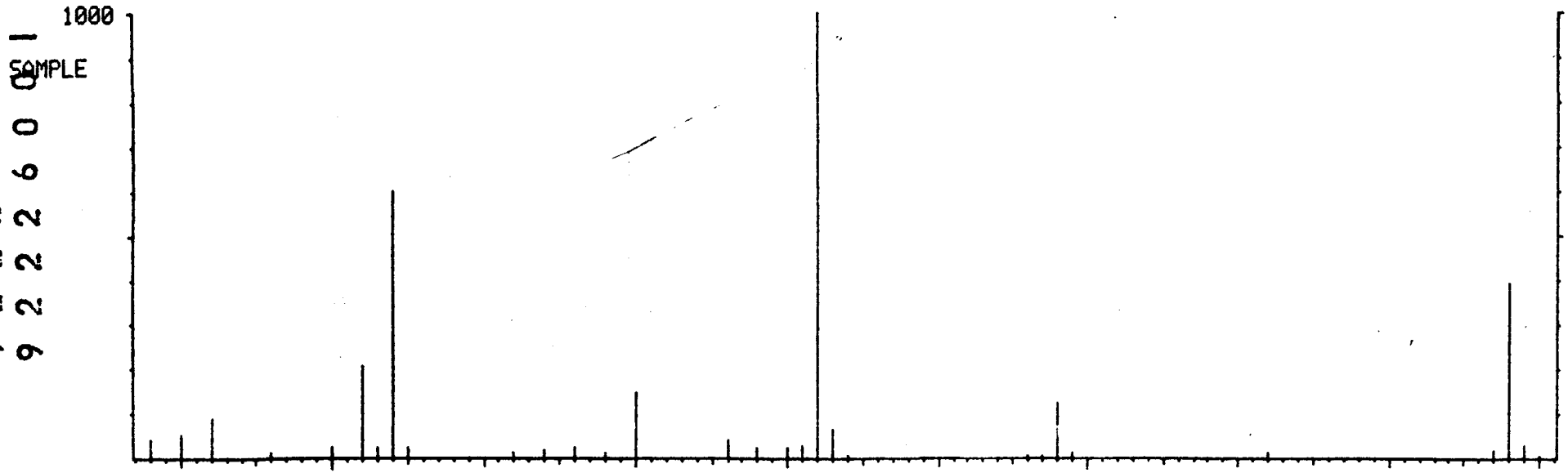
9222250001634
856000

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 13:15
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

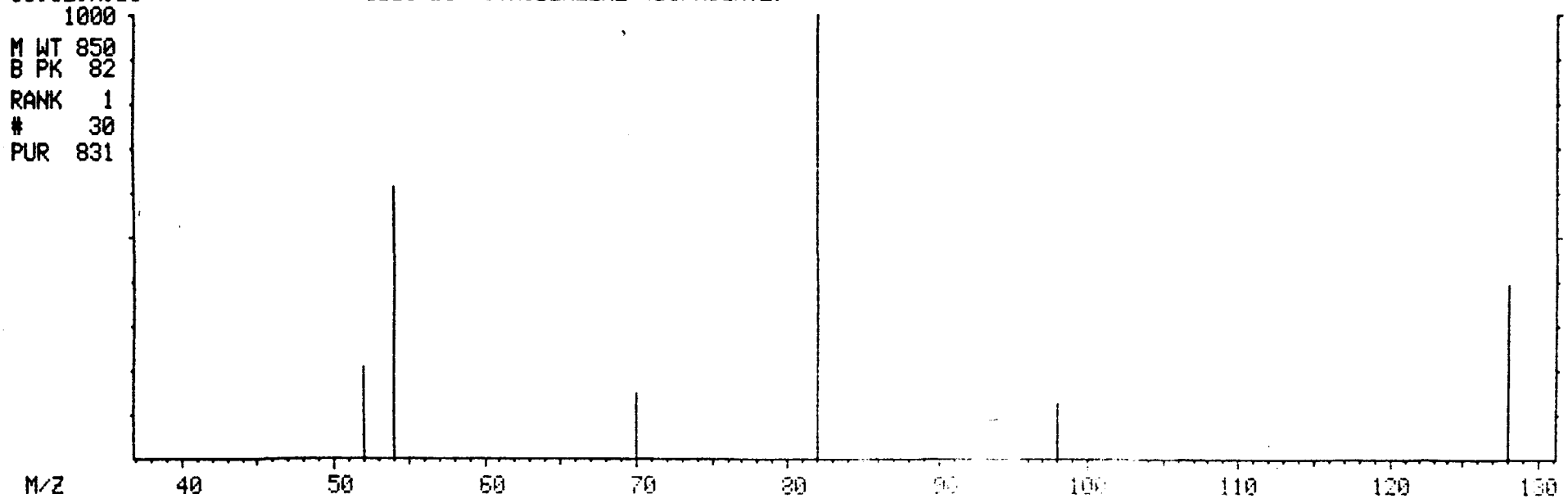
DATA: APR02GK04 #1336
CALI: APR02GK04 # 3

BASE M/Z: 82
RIC: 89984.

656000



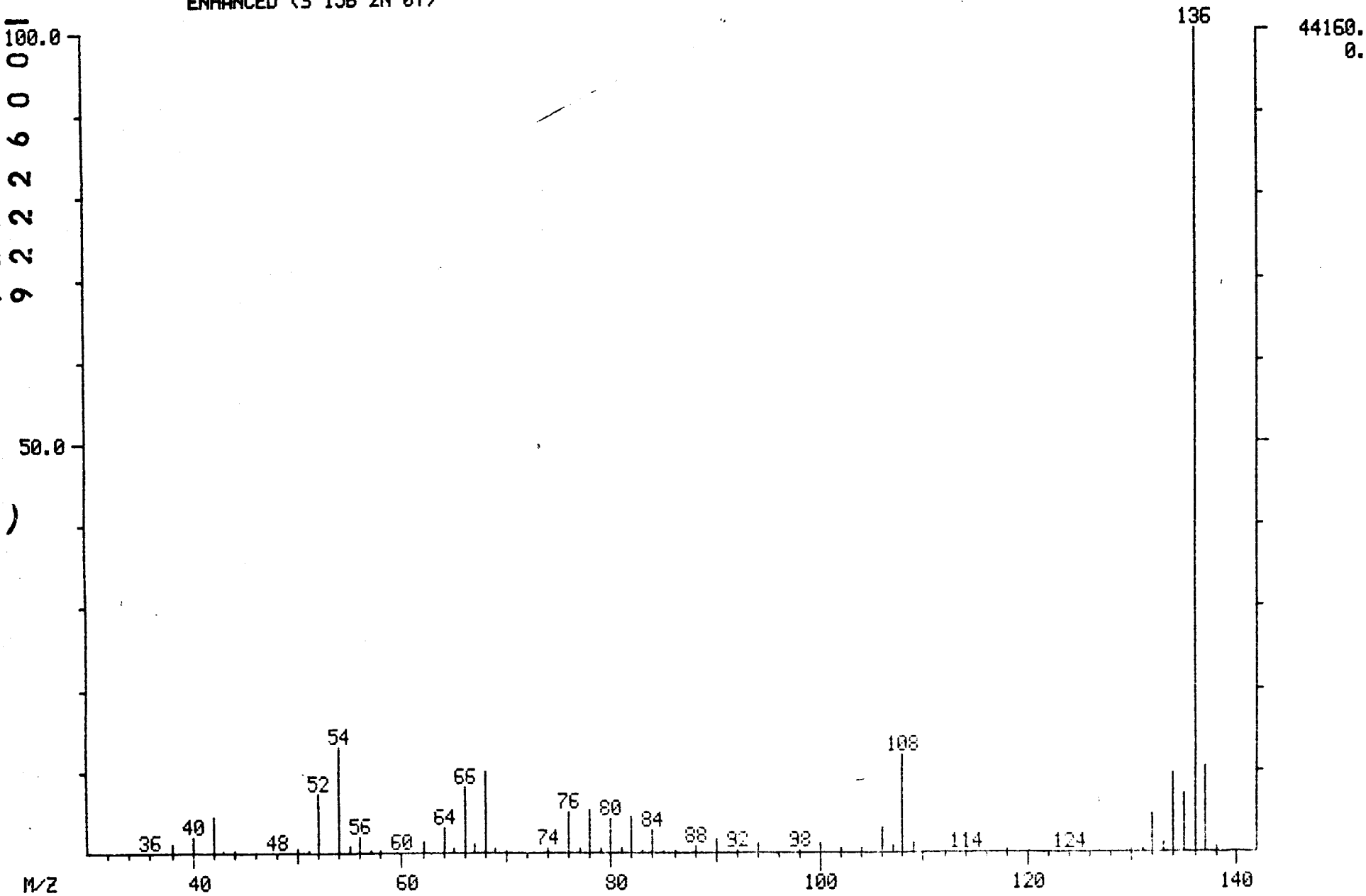
C6.02.N.D5 CS20 D5-NITROBENZENE (SURROGATE)



MASS SPECTRUM
04/02/91 11:49:00 + 15:01
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 150 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1515
CALI: APR02GK04 #3

BASE M/Z: 136
RIC: 105600.



9222250001636

000090

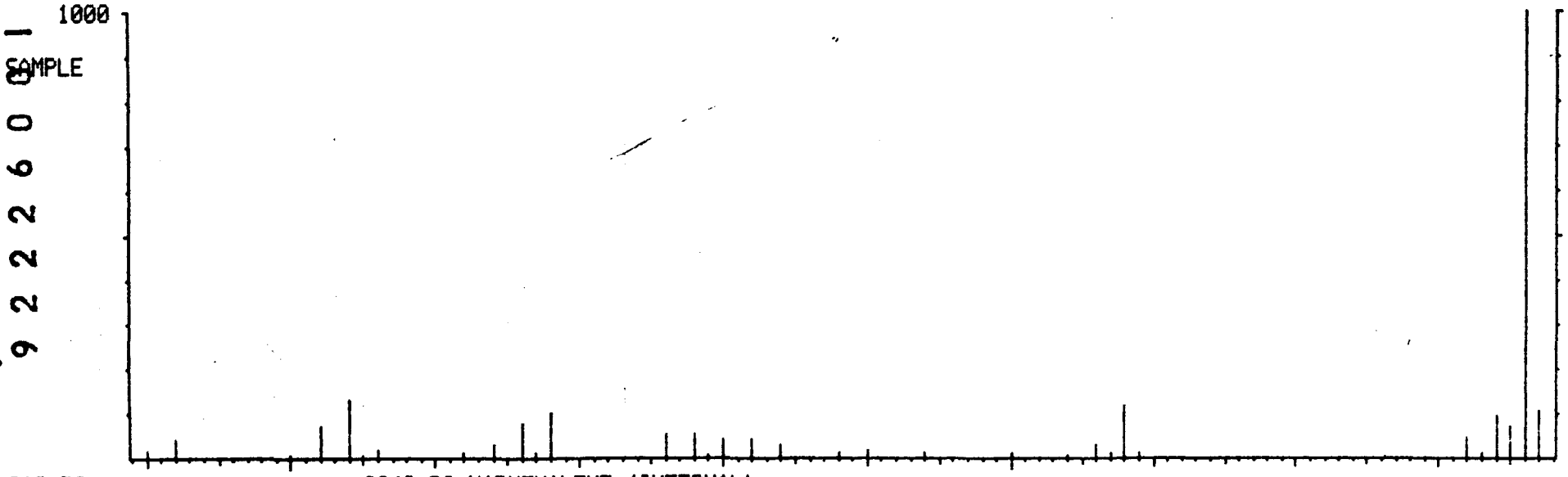
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 15:01
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1515
CALI: APR02GK04 # 3

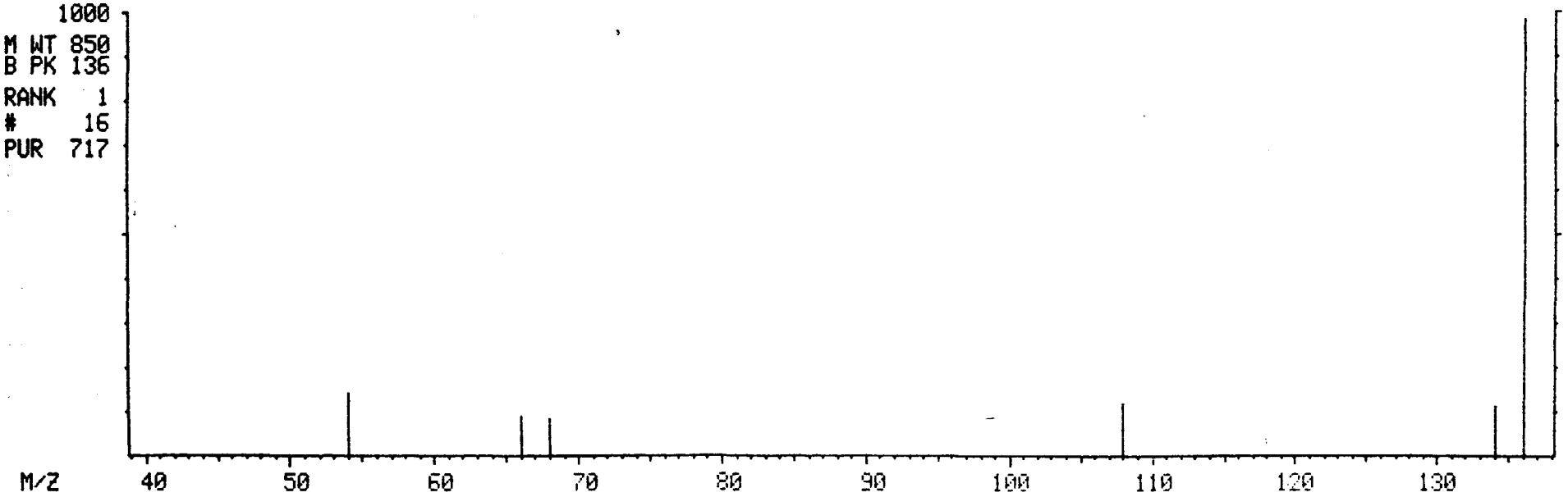
BASE M/Z: 136
RIC: 101504.

T96000

9222260 01637



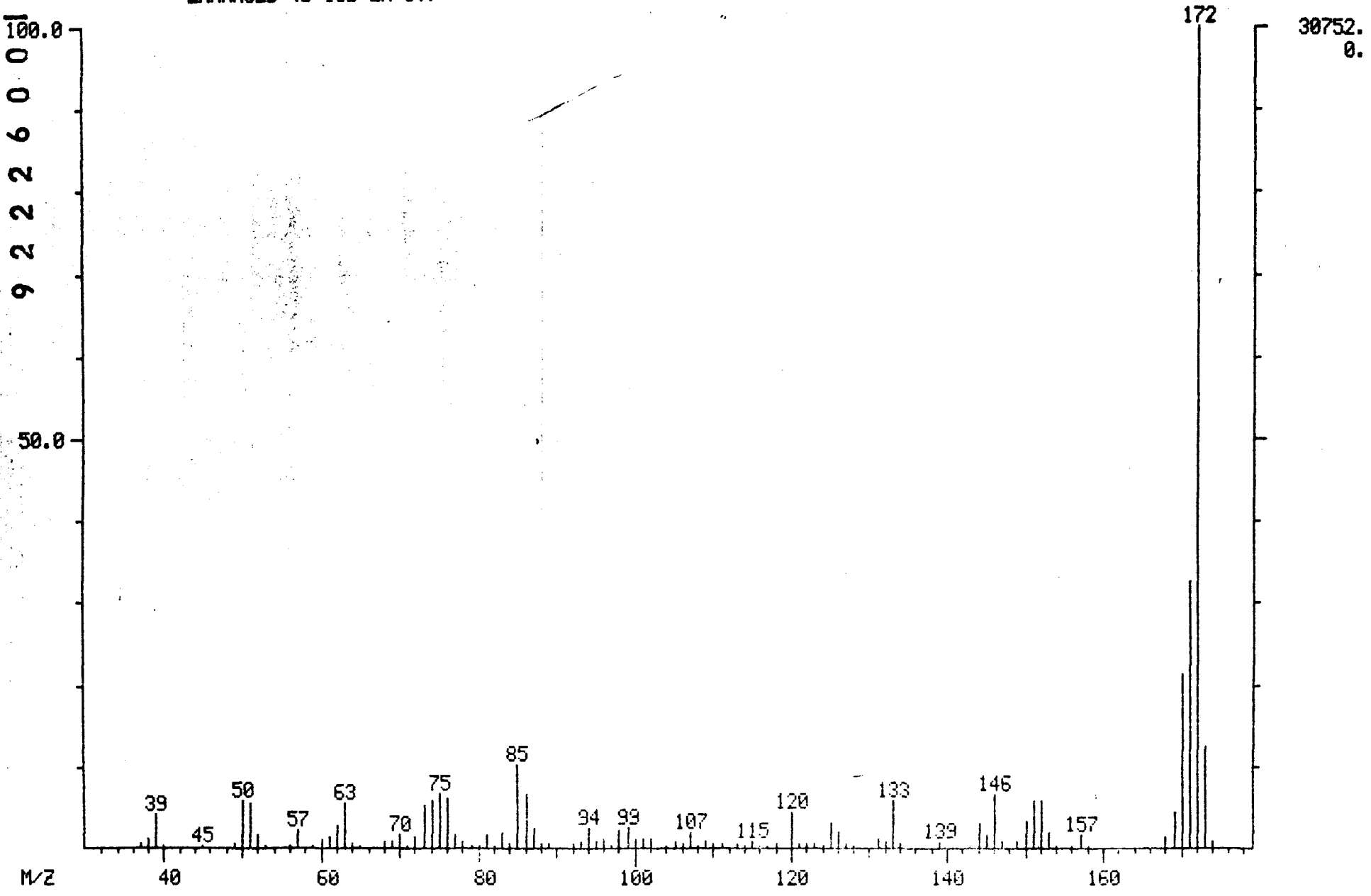
C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)



MASS SPECTRUM
04/02/91 11:49:00 + 17:49
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1798
CALI: APR02GK04 #3

BASE M/Z: 172
RIC: 104832.



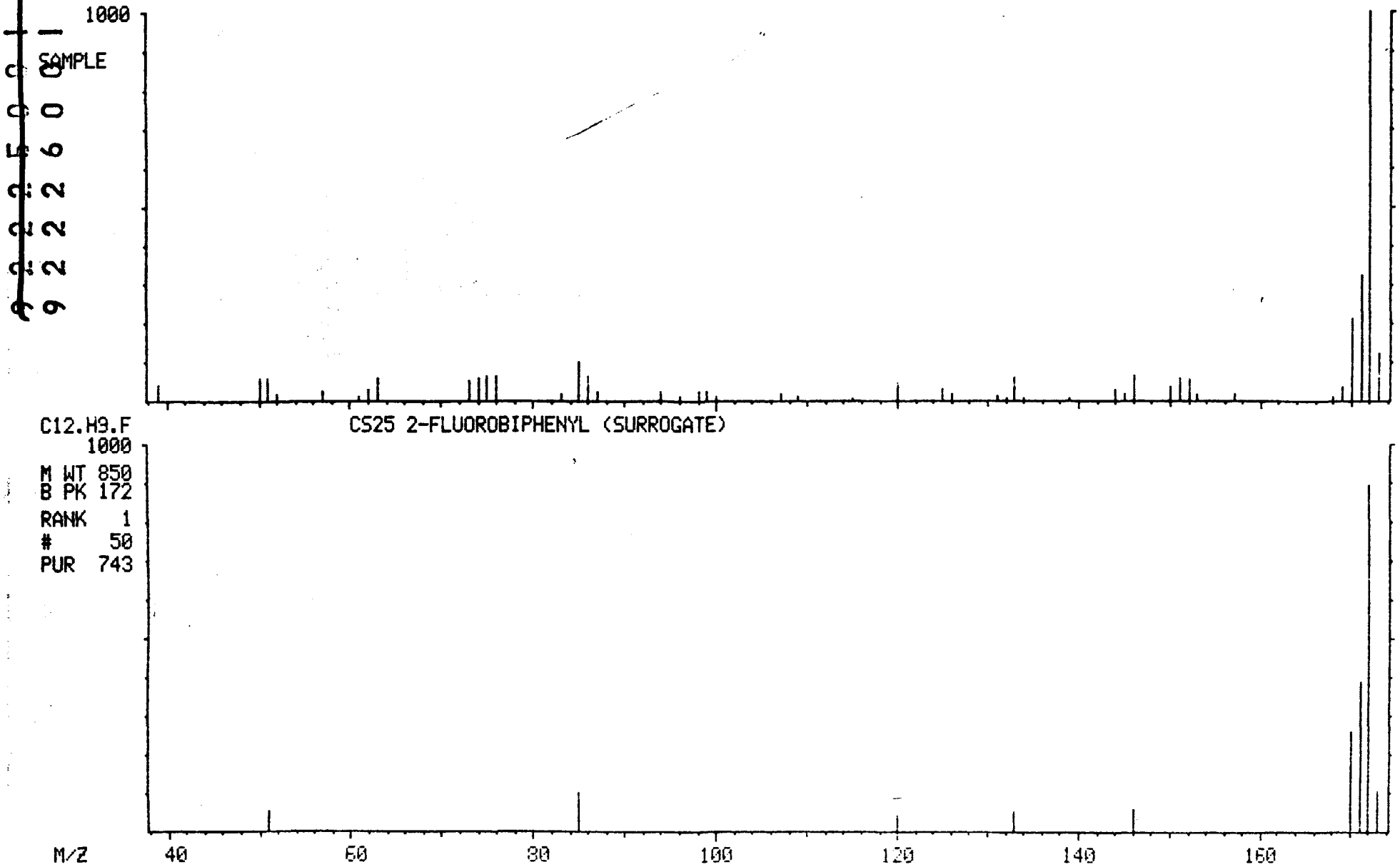
9222250016372
000962

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 17:49
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1798
CALI: APR02GK04 # 3

BASE M/Z: 172
RIC: 94464.

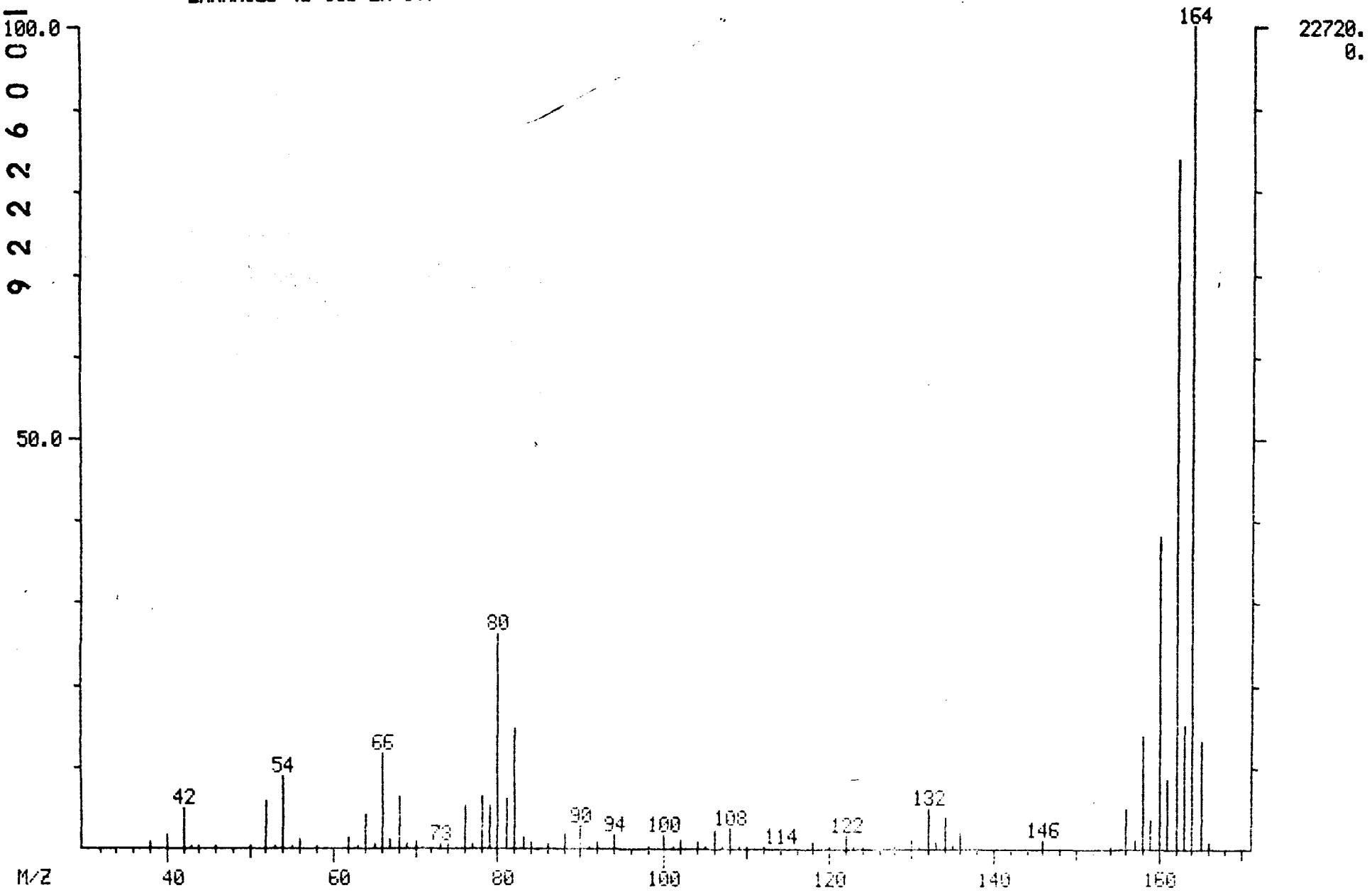
000963



MASS SPECTRUM
04/02/91 11:49:00 + 19:35
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1975
CALI: APR02GK04 #3

BASE M/Z: 164
RIC: 100224.



9222260001640
000094

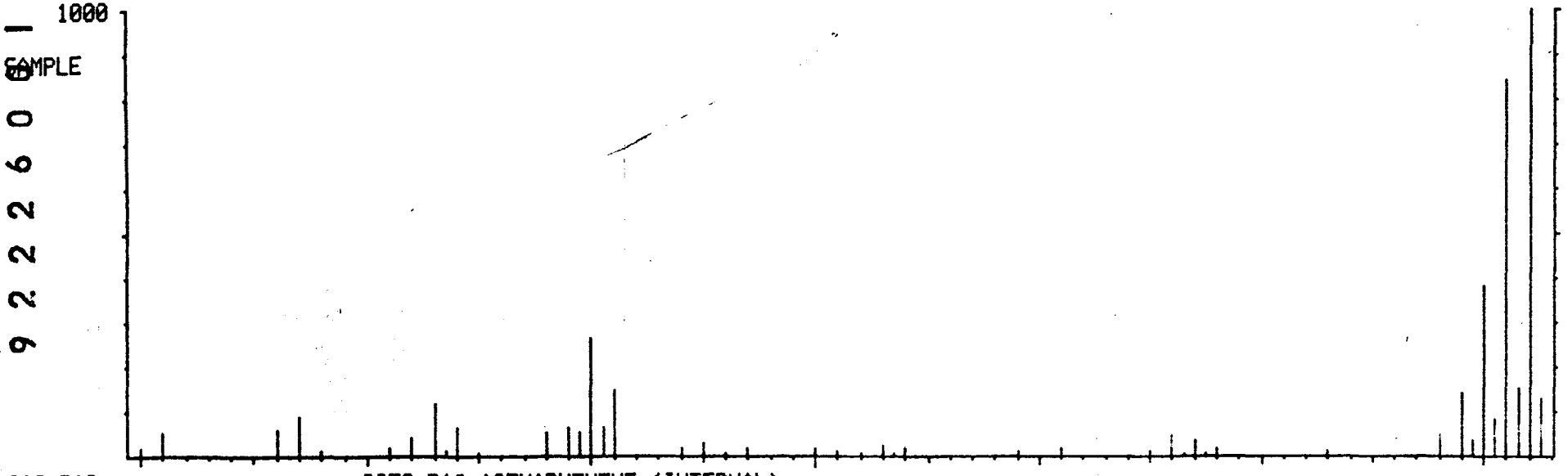
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 19:35
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1975
CALI: APR02GK04 # 3

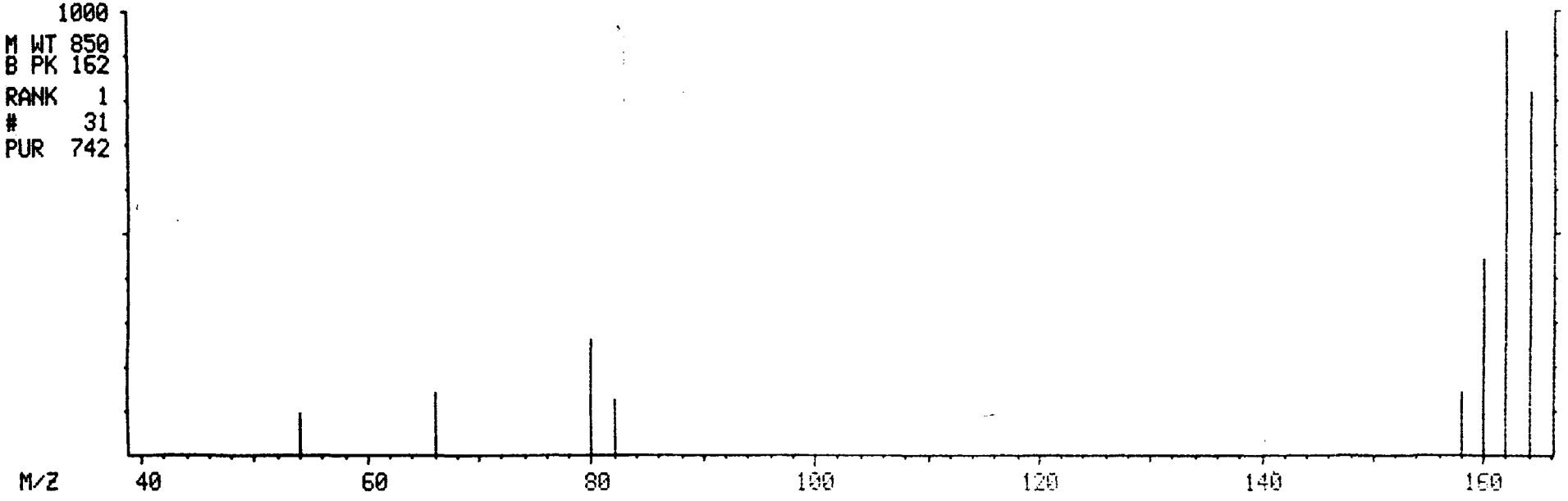
BASE M/Z: 164
RIC: 96896.

596000

9222250016415



C12.D10 CI50 D10-ACENAPHTHENE (INTERNAL)

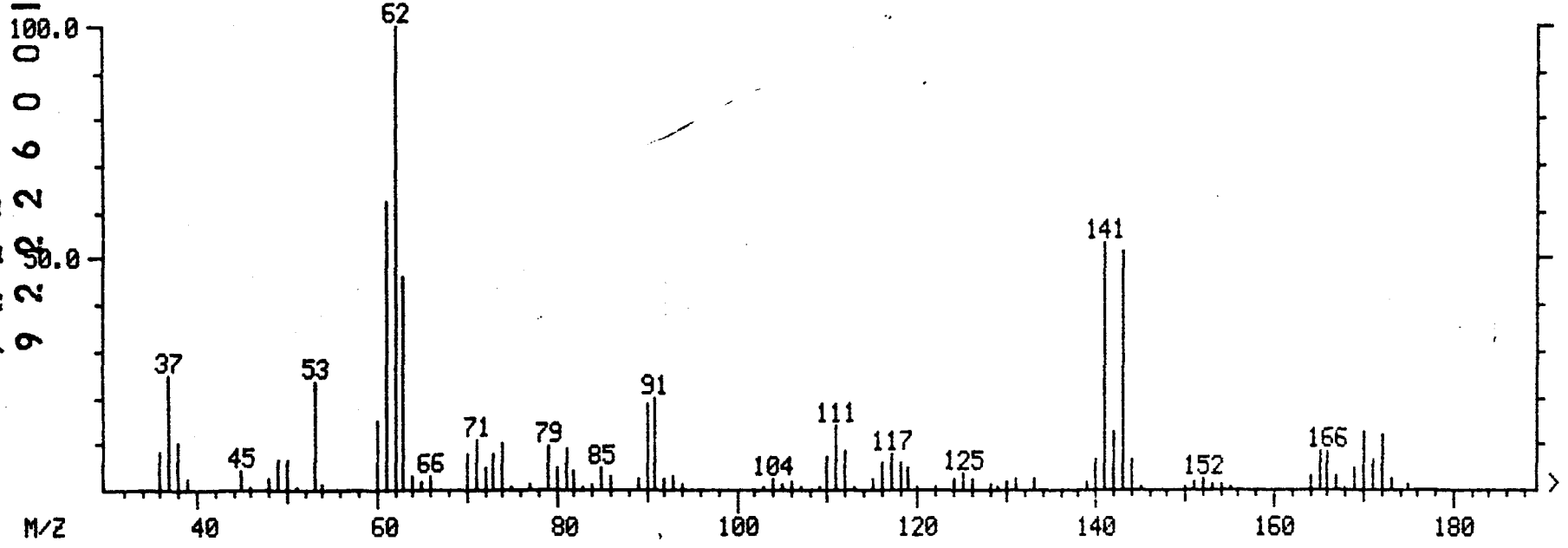


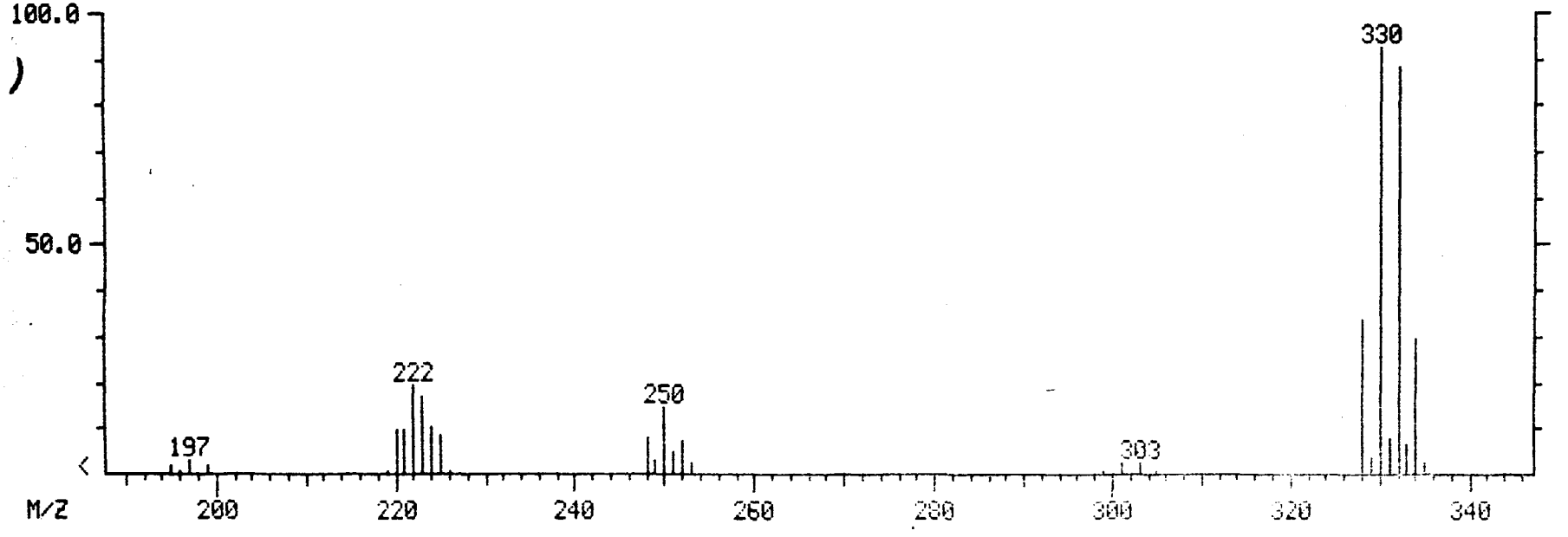
MASS SPECTRUM
04/02/91 11:49:00 + 21:38
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 217 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2183
CALI: APR02GK04 #3

BASE M/Z: 62
RIC: 71552.

996000

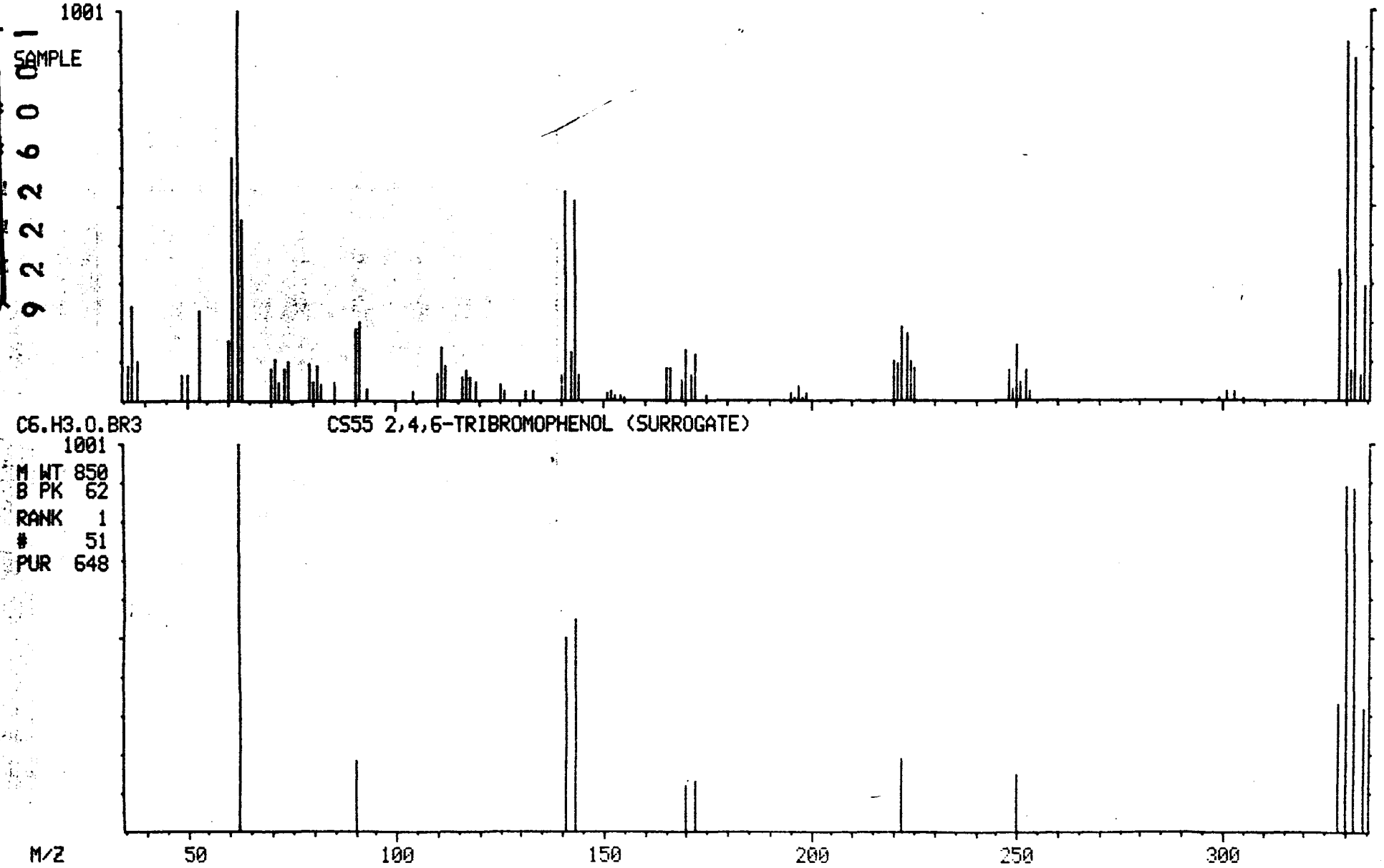




MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 21:38
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2183
CALI: APR02GK04 # 3

BASE M/Z: 62
RIC: 67328.



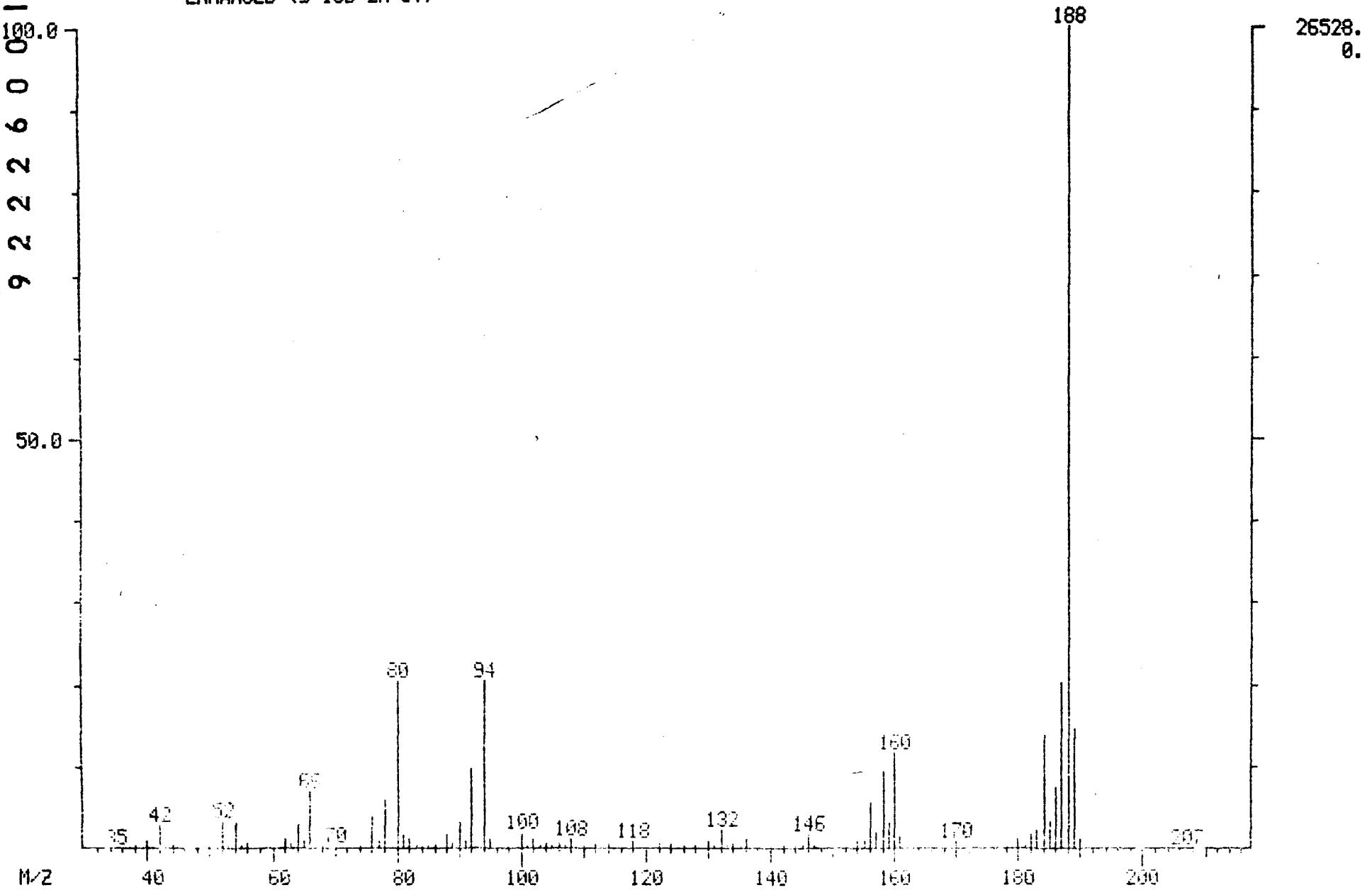
000967

MASS SPECTRUM
04/02/91 11:49:00 + 23:25
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2362
CALI: APR02GK04 #3

BASE M/Z: 188
RIC: 84224.

000968



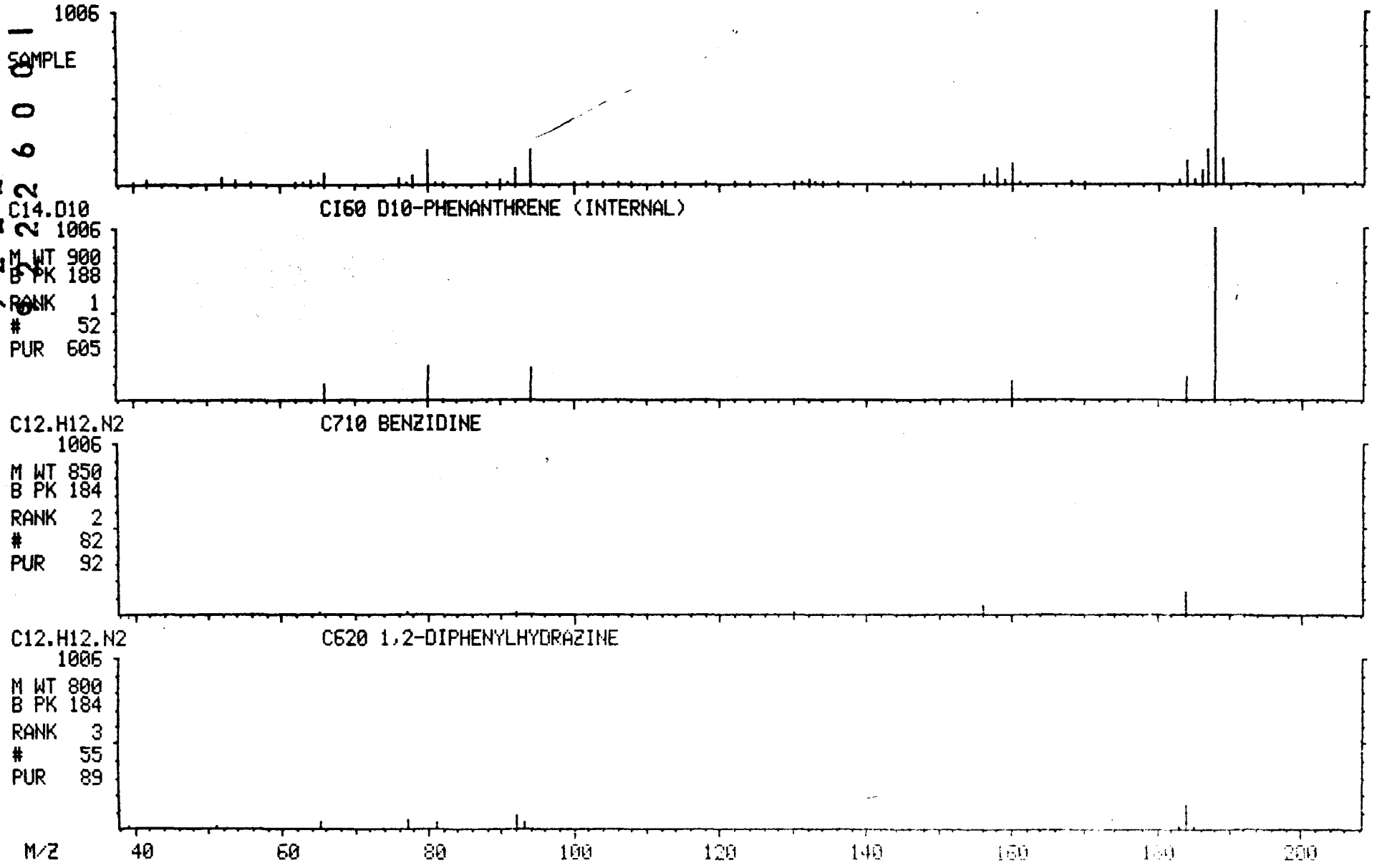
9222260015764

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 23:25
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2362
CALI: APR02GK04 # 3

BASE M/Z: 188
RIC: 80384.

636000

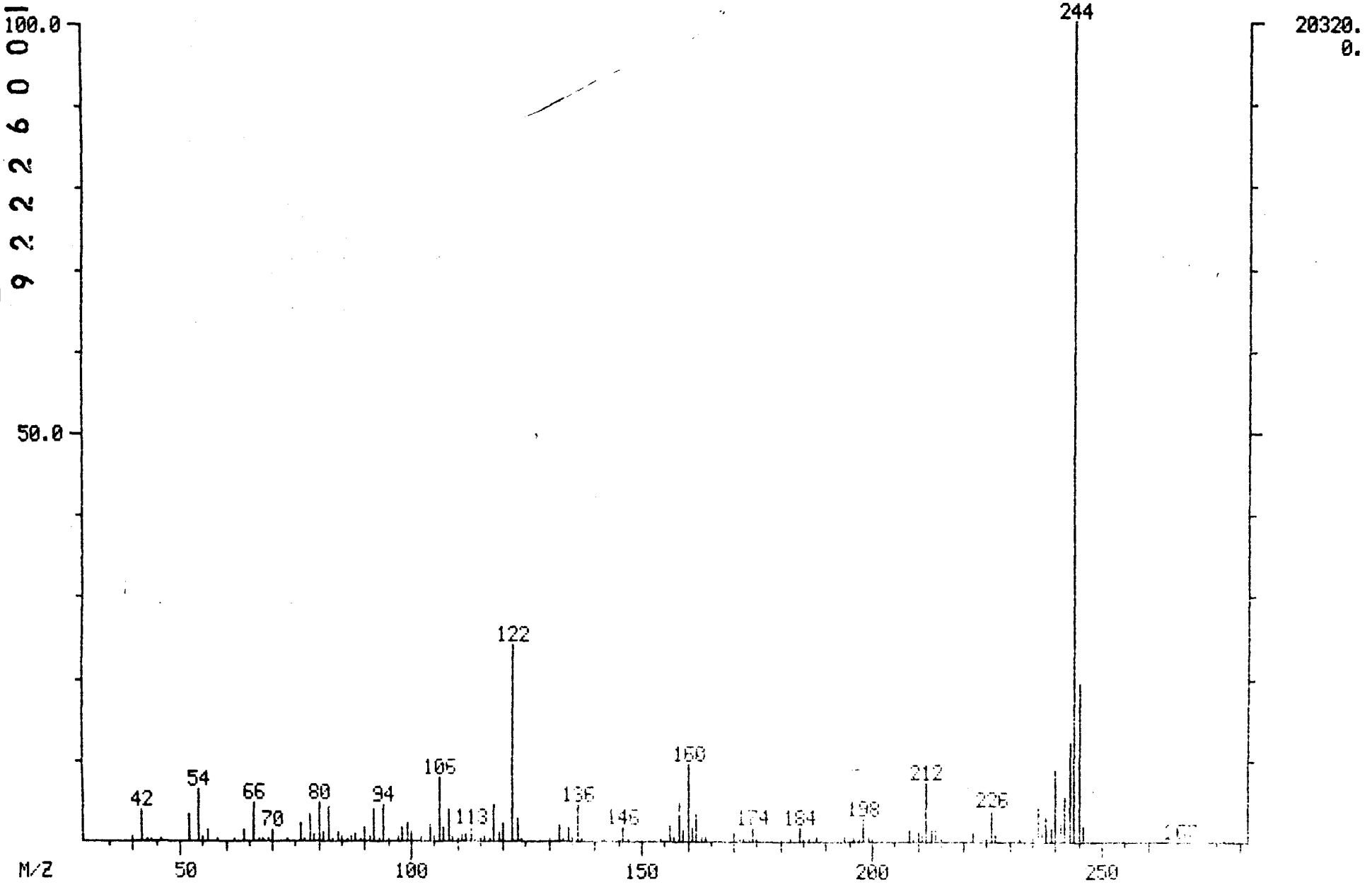


MASS SPECTRUM
04/02/91 11:49:00 + 27:36
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2785
CALI: APR02GK04 #3

BASE M/Z: 244
RIC: 71552.

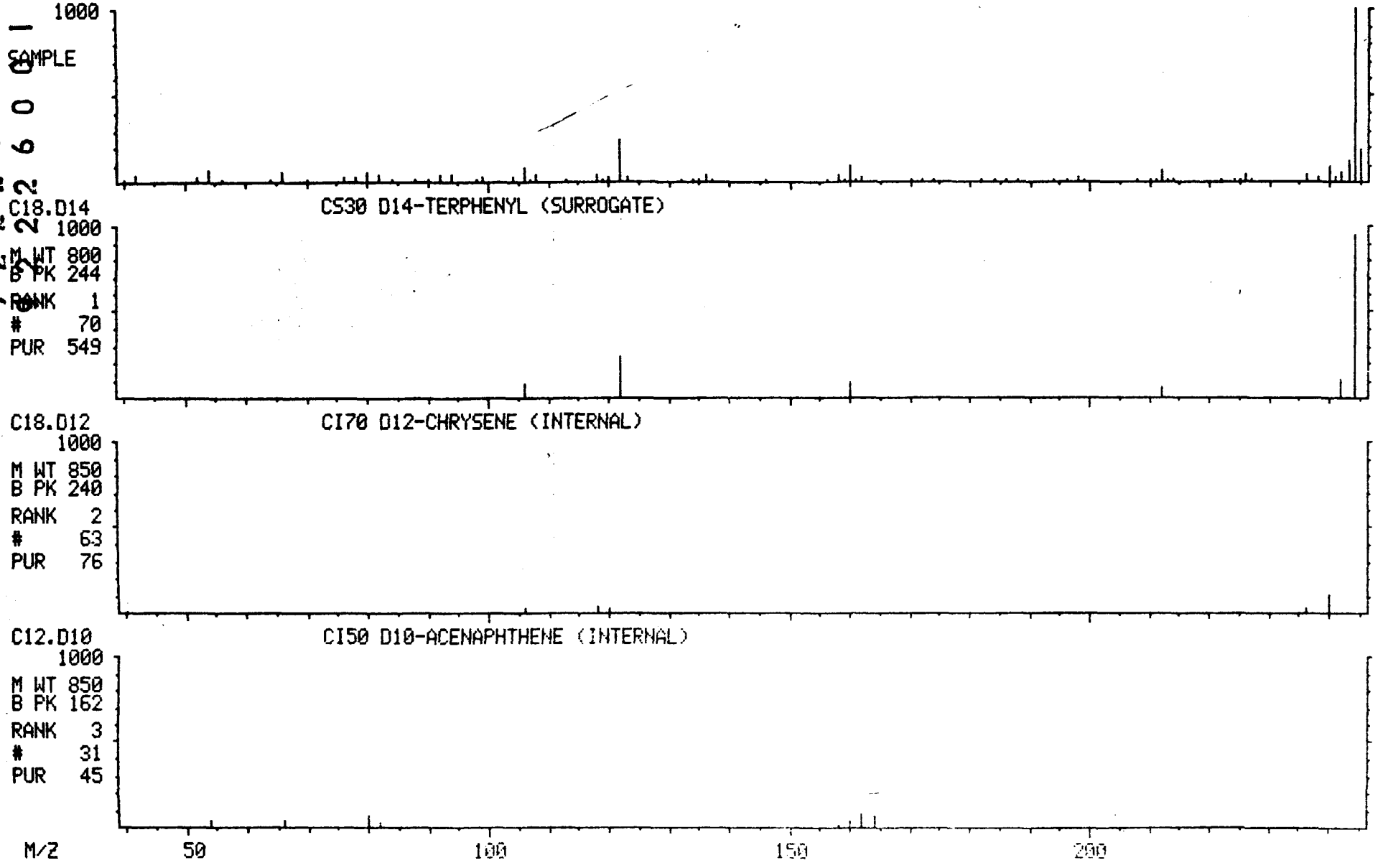
026000



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 27:36
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #2785
CALI: APR02GK04 # 3

BASE M/Z: 244
RIC: 65664.

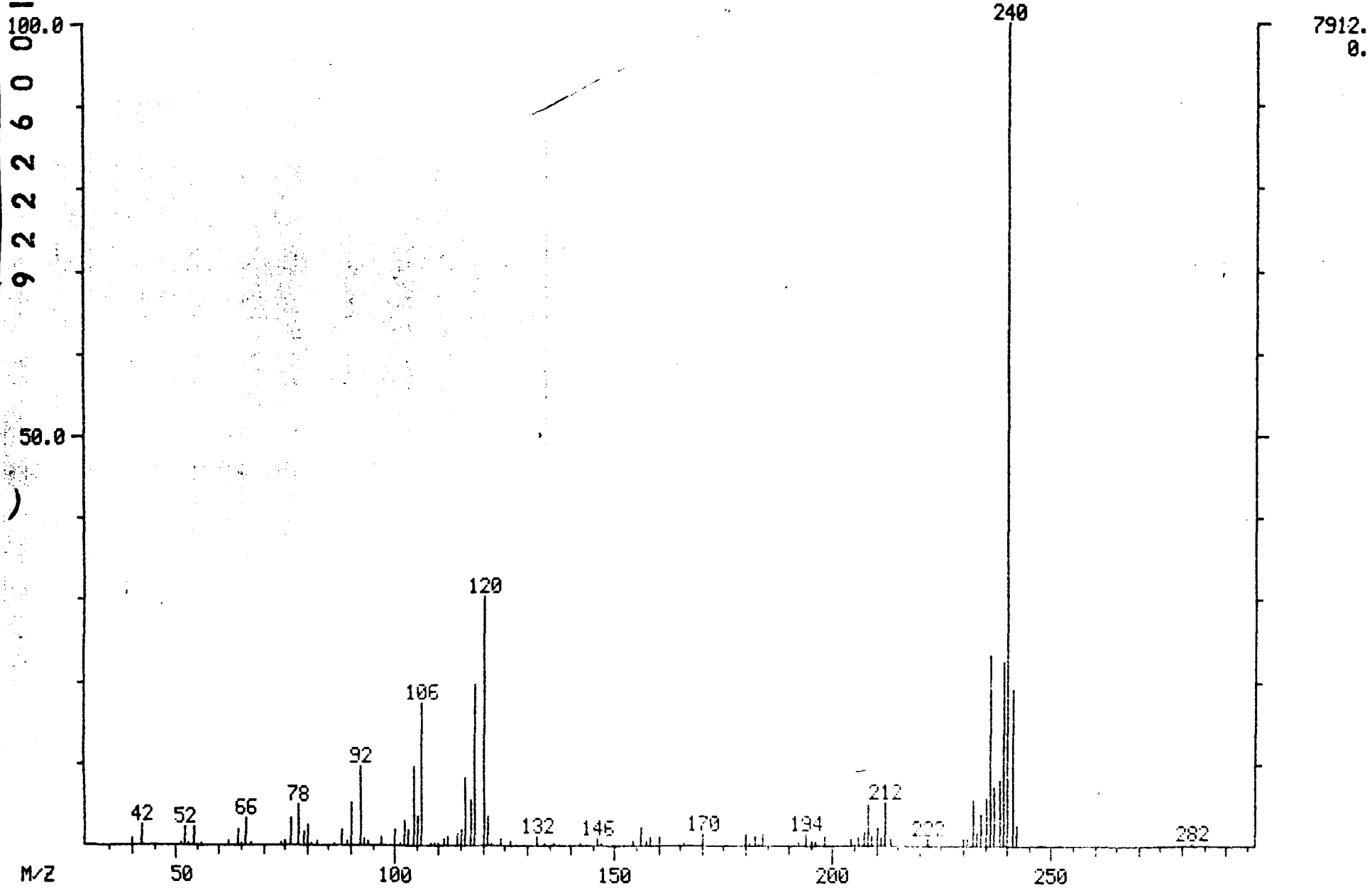


MASS SPECTRUM
04/02/91 11:49:00 + 31:11
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #3146
CALI: APR02GK04 #3

BASE M/Z: 240
RIC: 31872.

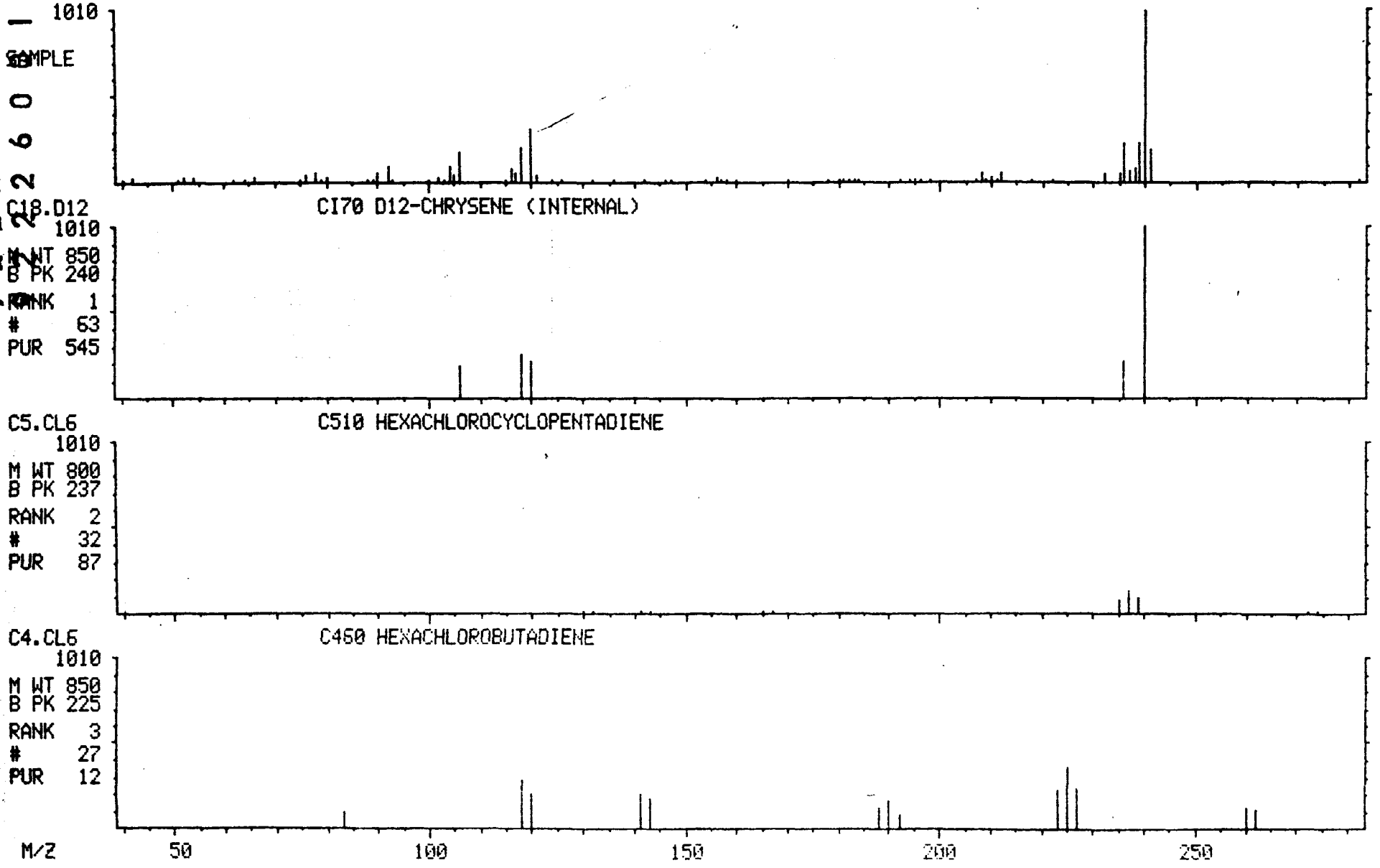
226000



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 31:11
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #3146
CALI: APR02GK04 # 3

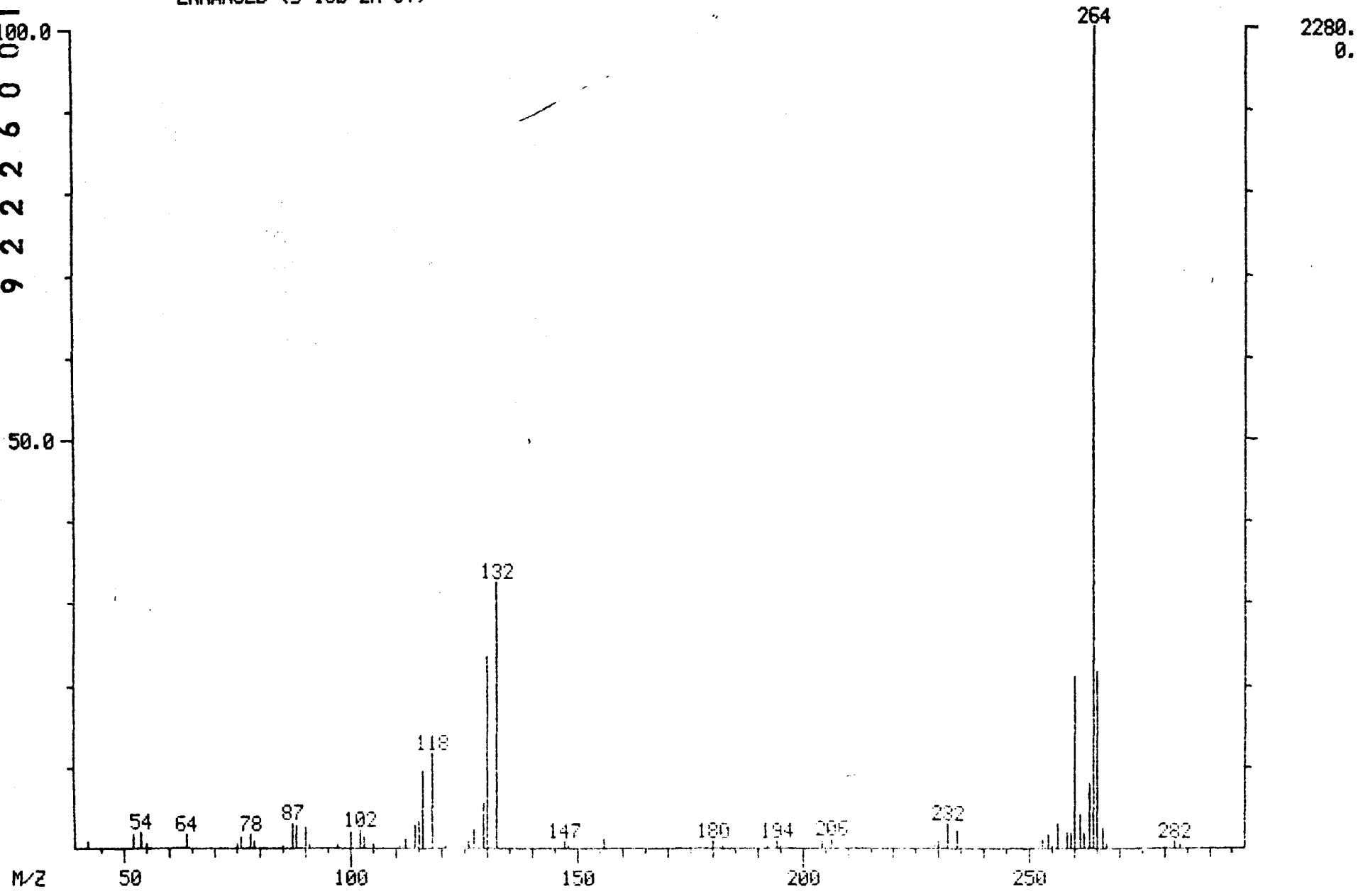
BASE M/Z: 240
RIC: 30112.



MASS SPECTRUM
04/02/91 11:49:00 + 40:18
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #4066
CALI: APR02GK04 #3

BASE M/Z: 264
RIC: 6960.

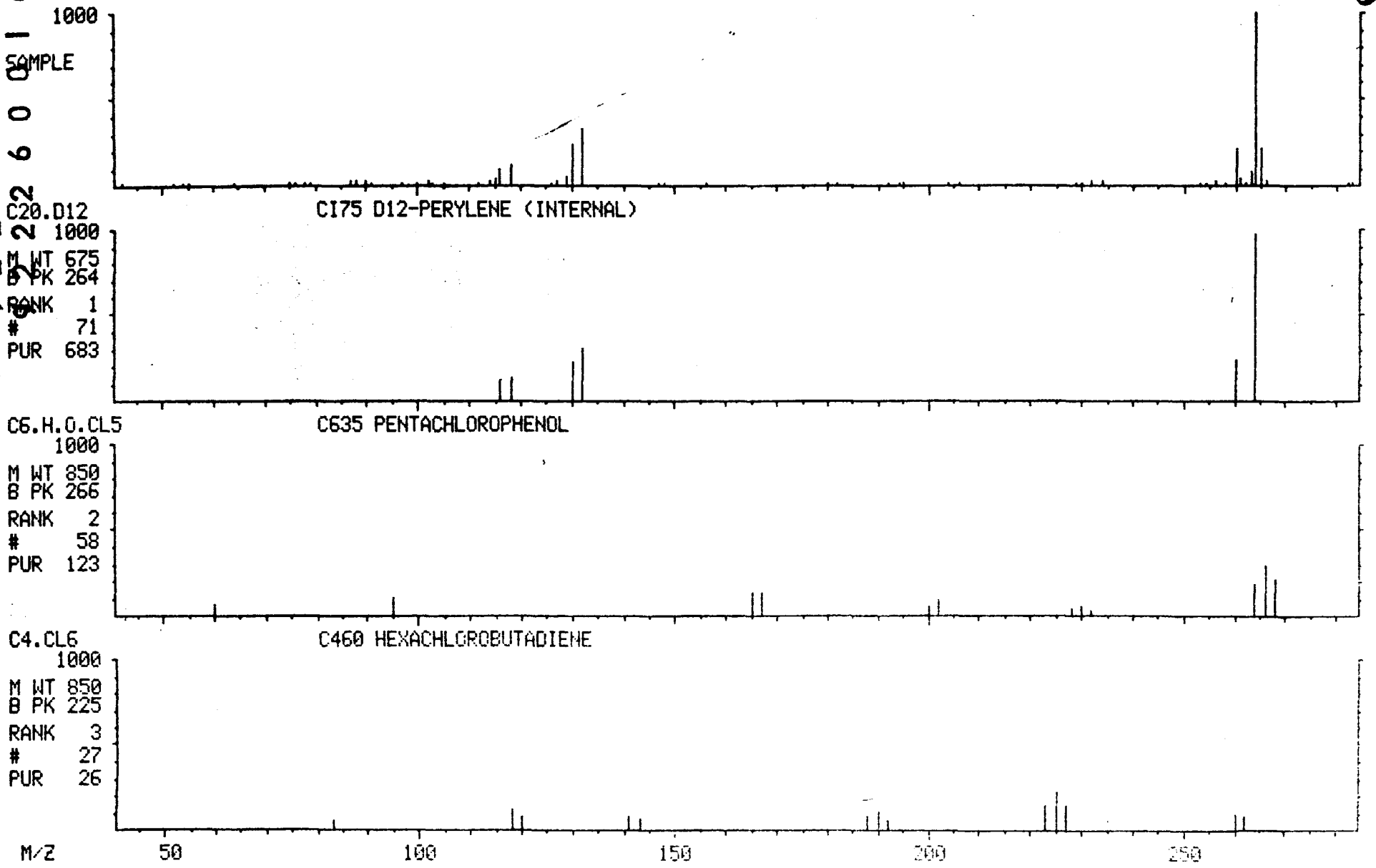


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 11:49:00 + 40:18
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #4066
CALI: APR02GK04 # 3

BASE M/Z: 264
RIC: 6880.

526000



NON-TARGET COMPOUND SPECTRA

9222260001652

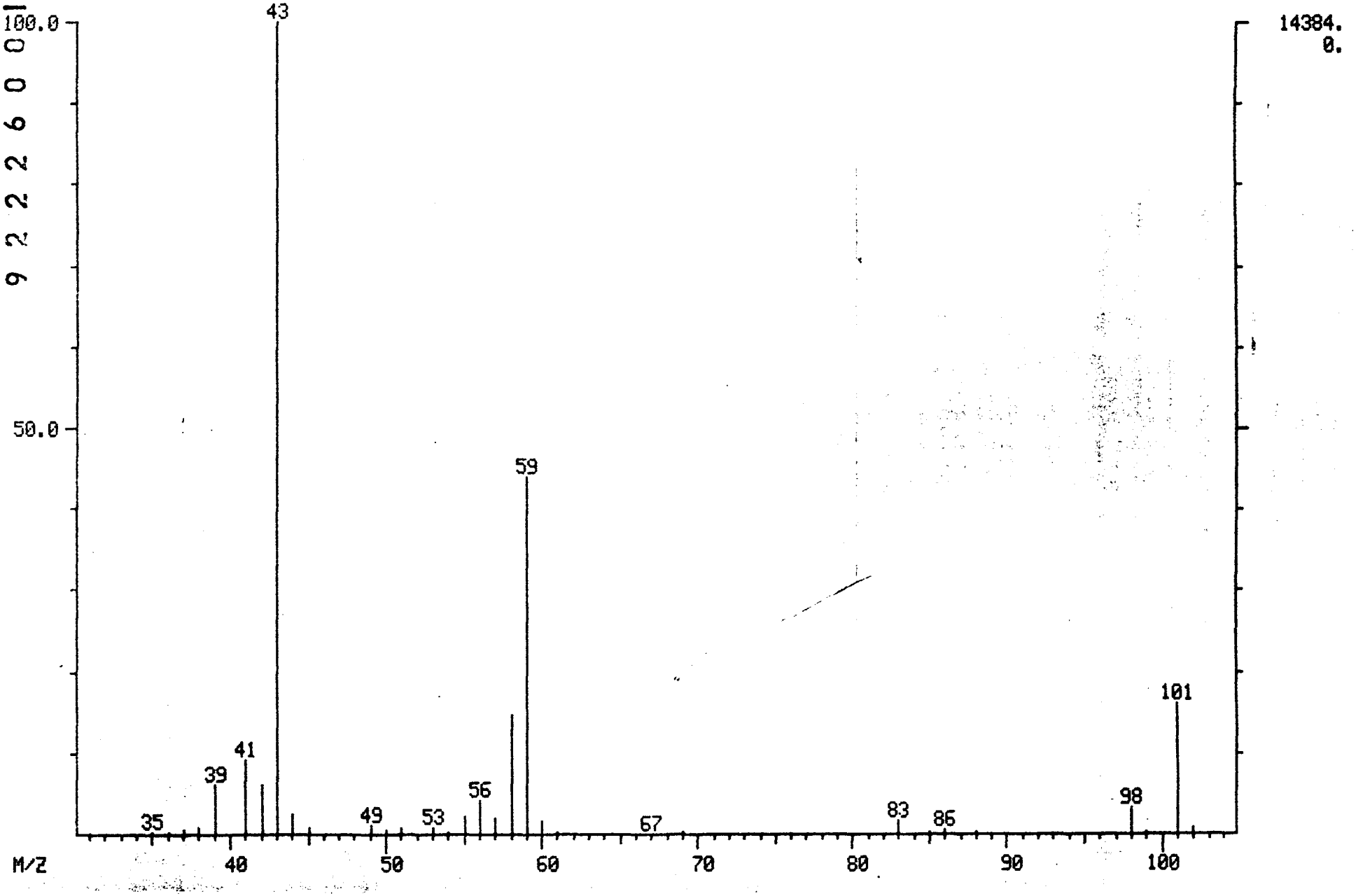
000056

MASS SPECTRUM
04/02/91 11:49:00 + 8:06
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #817
CALI: APR02GK04 #3

BASE M/Z: 43
RIC: 32096.

226000

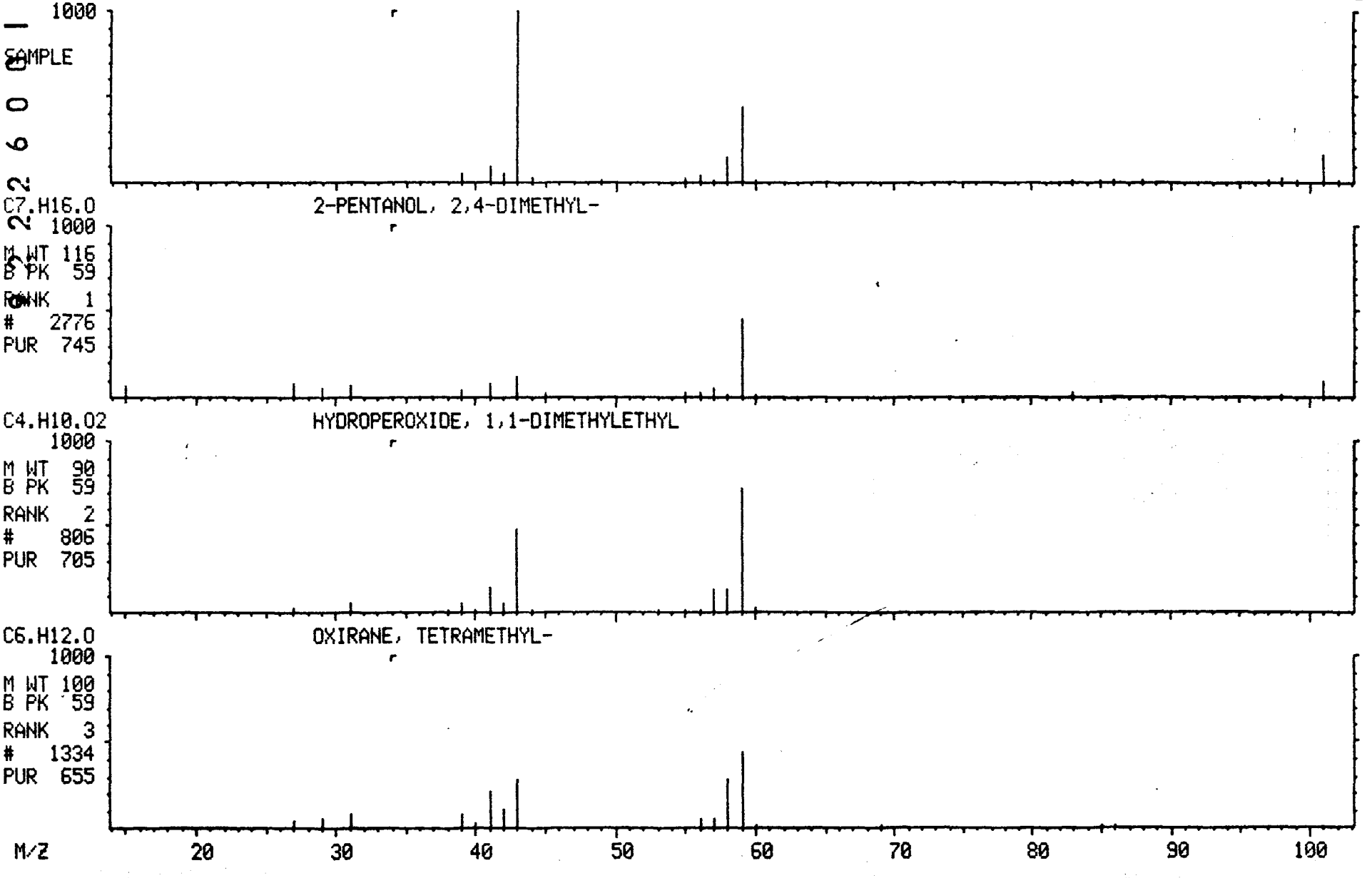


9222600016 53

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 11:49:00 + 8:06
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 # 817
CALI: APR02GK04 # 3

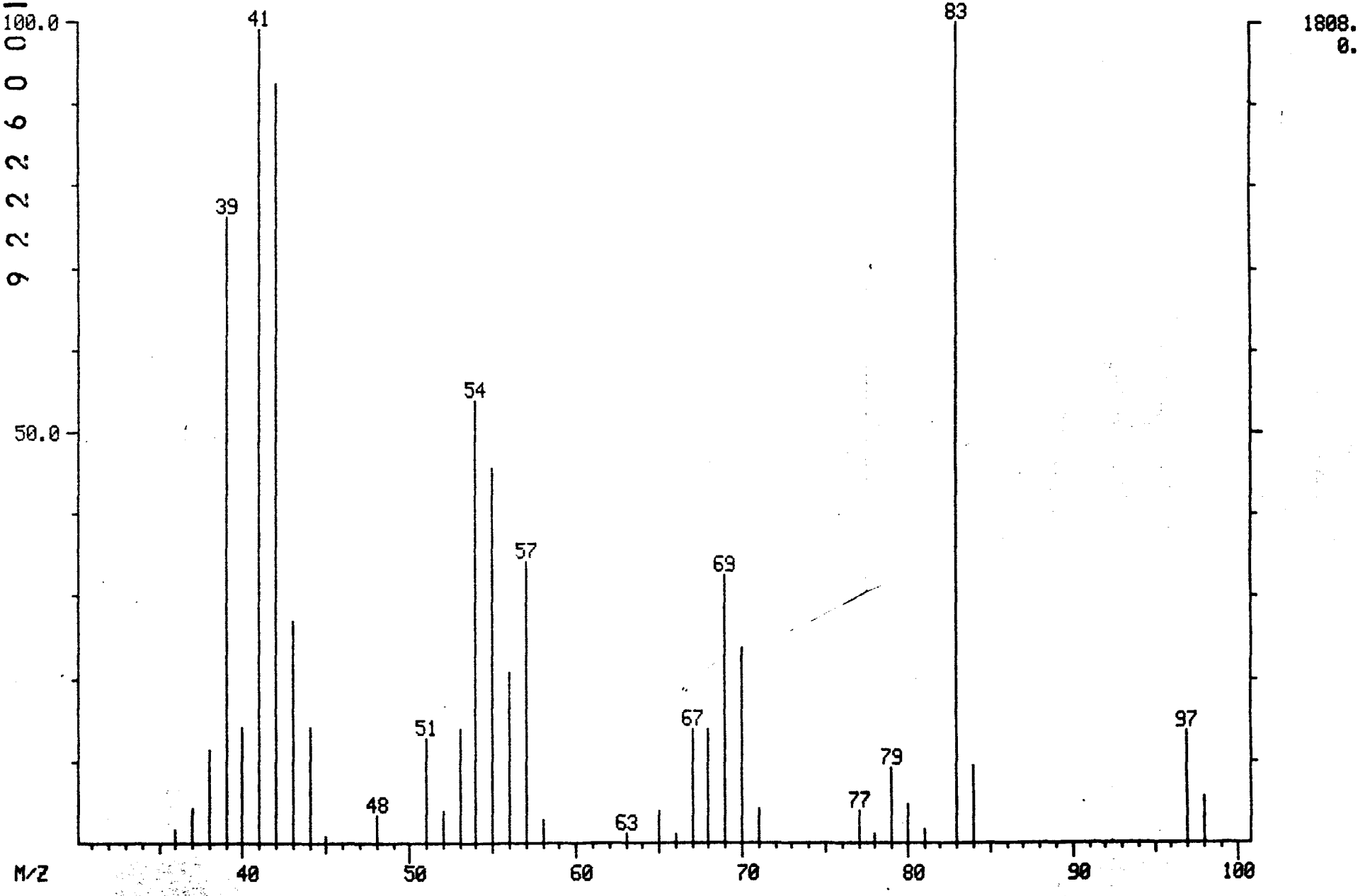
BASE M/Z: 43
RIC: 31232.



MASS SPECTRUM
04/02/91 11:49:00 + 8:33
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 86 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #862
CALI: APR02GK04 #3

BASE M/Z: 83
RIC: 14000.



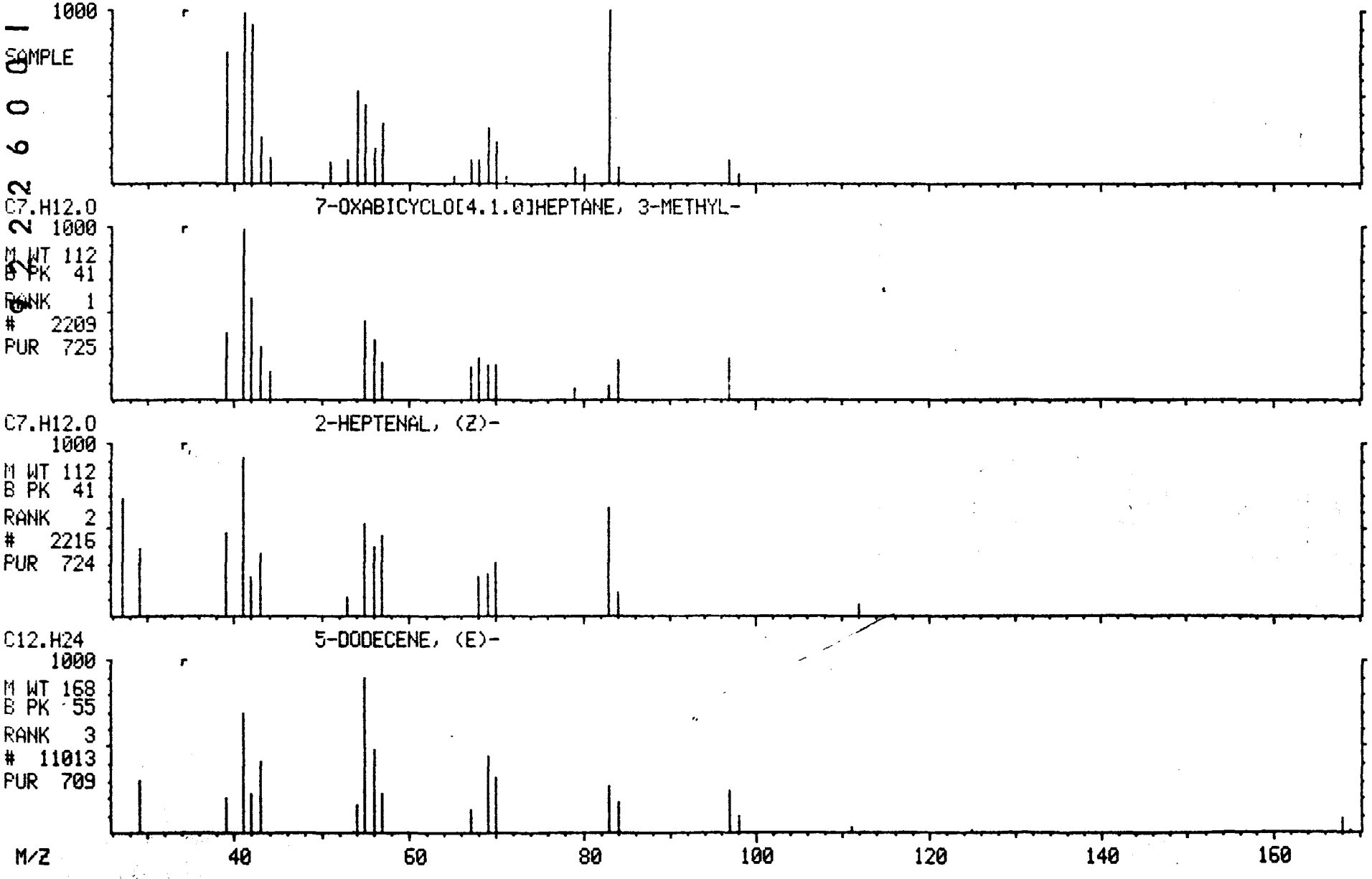
9222600016555

000979

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 11:49:00 + 8:33
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 # 862
CALI: APR02GK04 # 3

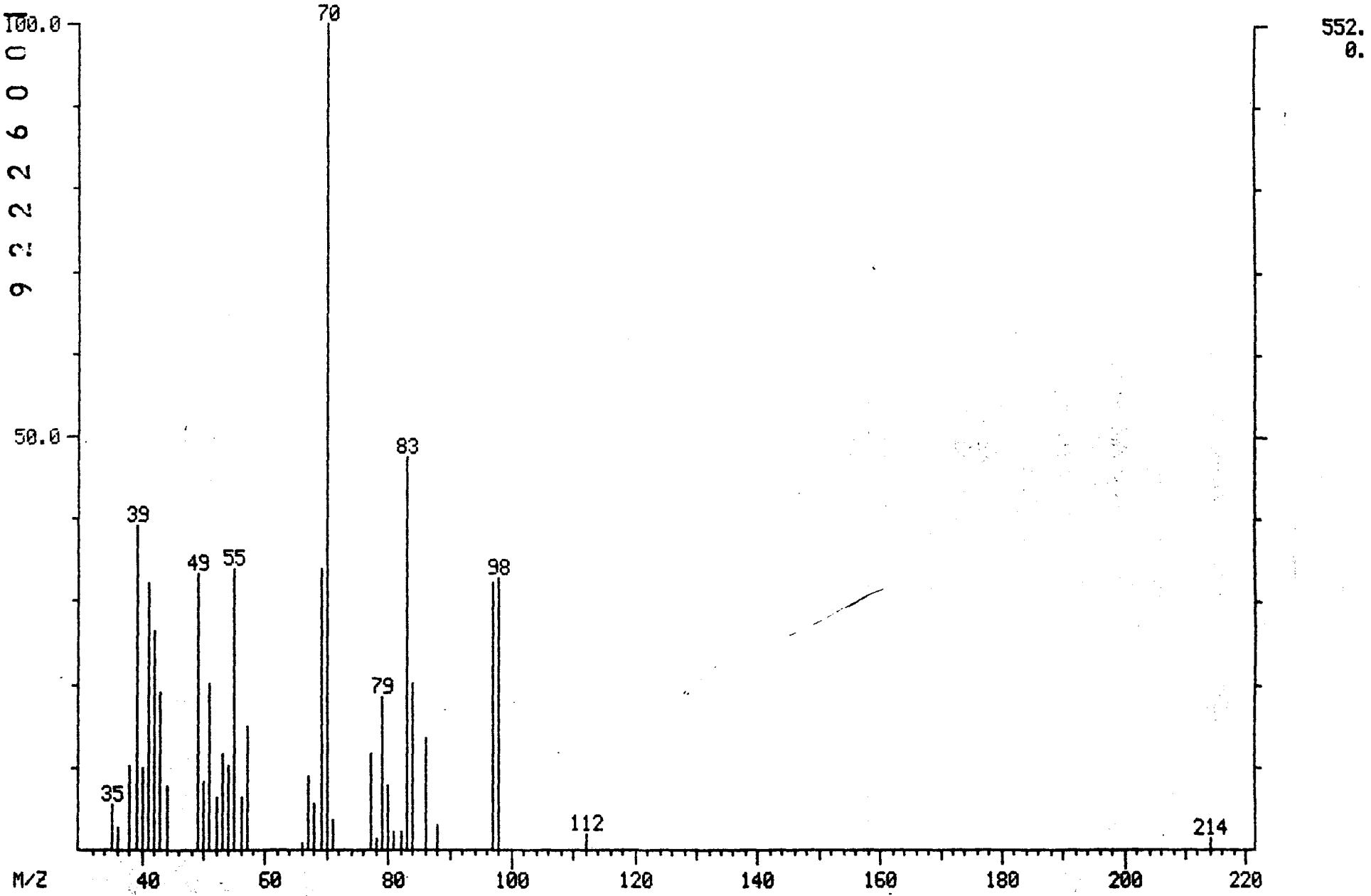
BASE M/Z: 83
RIC: 13104.



MASS SPECTRUM
04/02/91 11:49:00 + 9:12
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 92 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #928
CALI: APR02GK04 #3

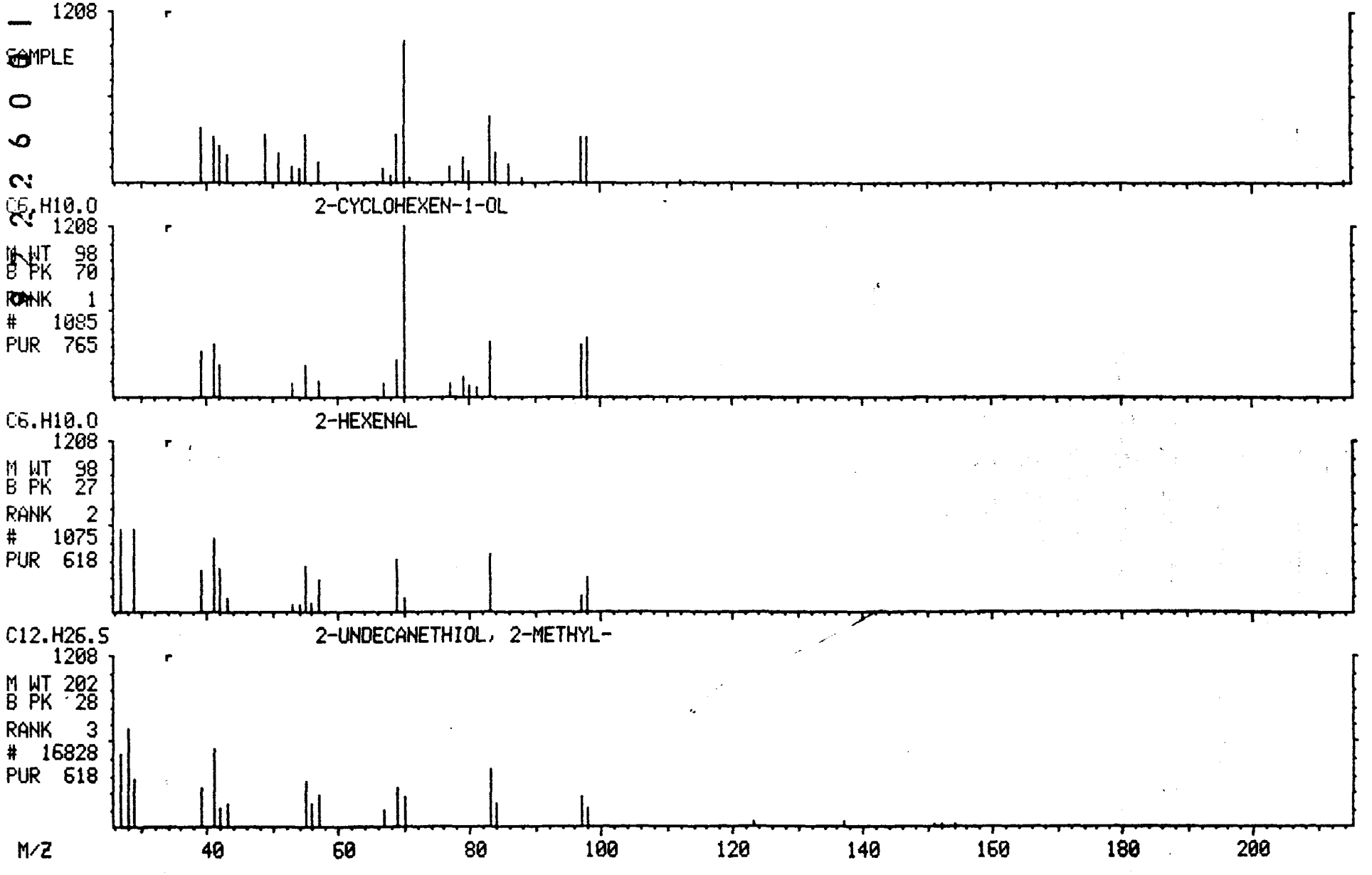
BASE M/Z: 70
RIC: 3592.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 11:49:00 + 9:12
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 # 928
CALI: APR02GK04 # 3

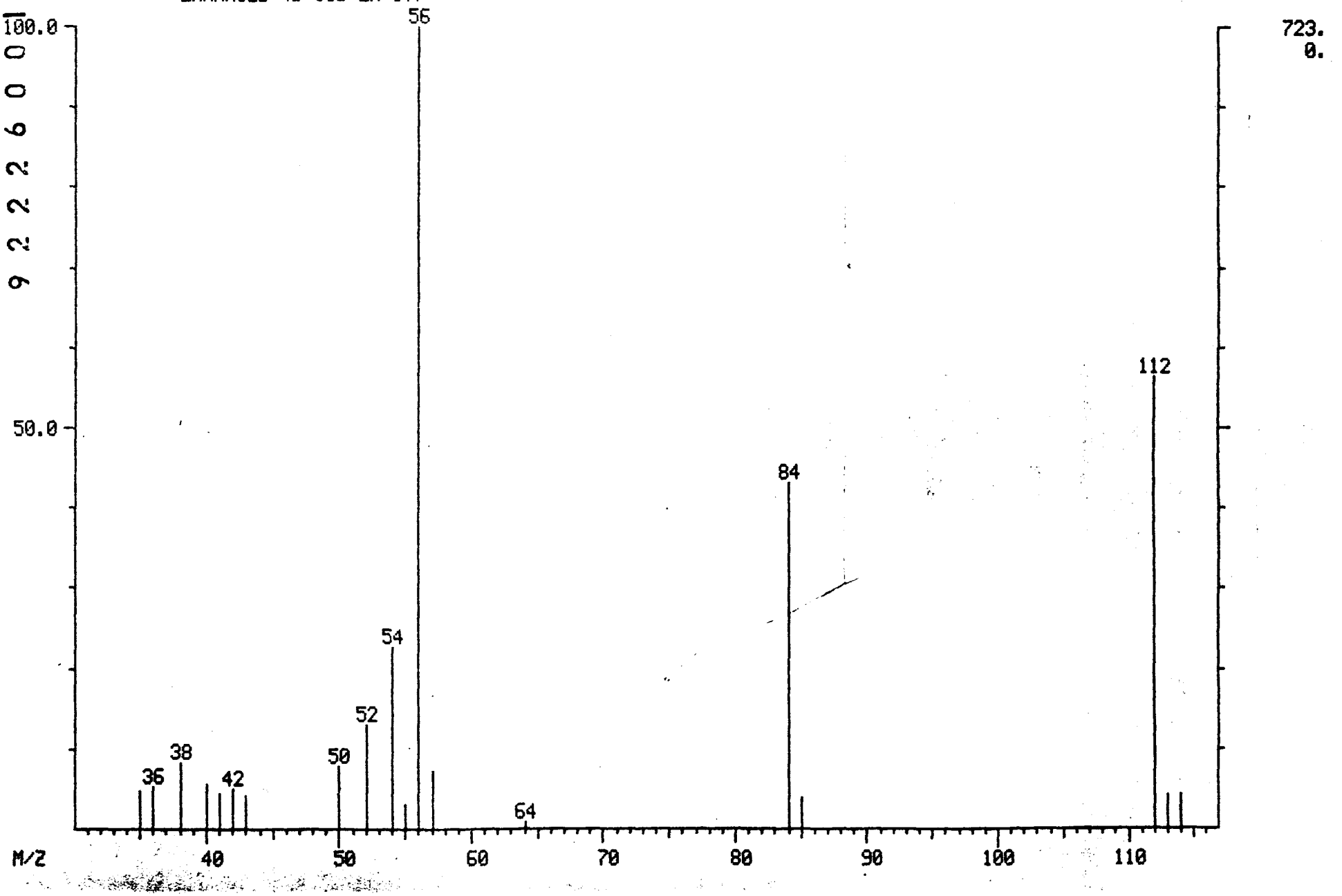
BASE M/Z: 70
RIC: 3240.



MASS SPECTRUM
04/02/91 11:49:00 + 9:49
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 158 2N 0T)

DATA: APR02GK04 #990
CALI: APR02GK04 #3

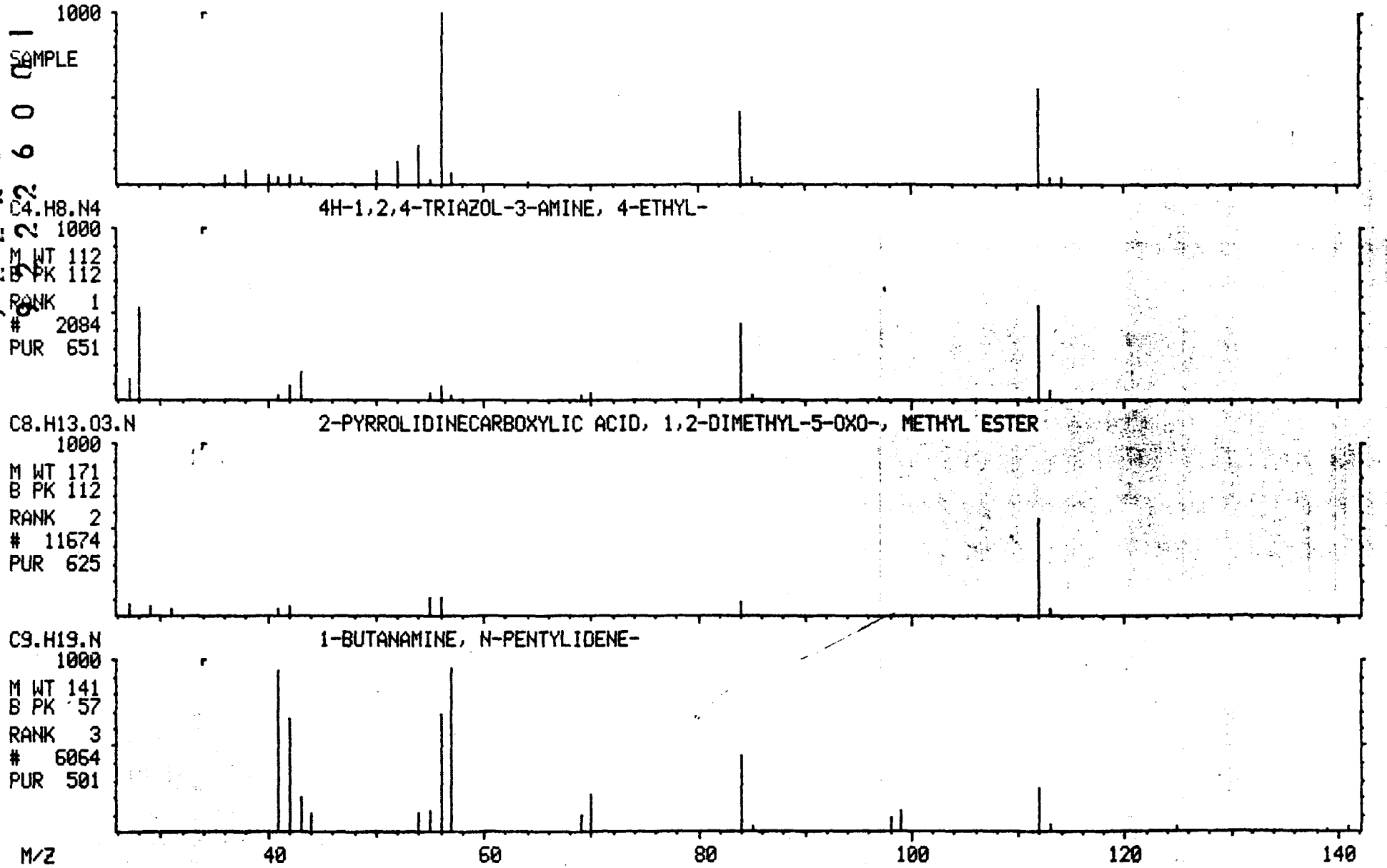
BASE M/Z: 56
RIC: 2188.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 11:49:00 + 9:49
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 # 990
CALI: APR02GK04 # 3

BASE M/Z: 56
RIC: 2156.

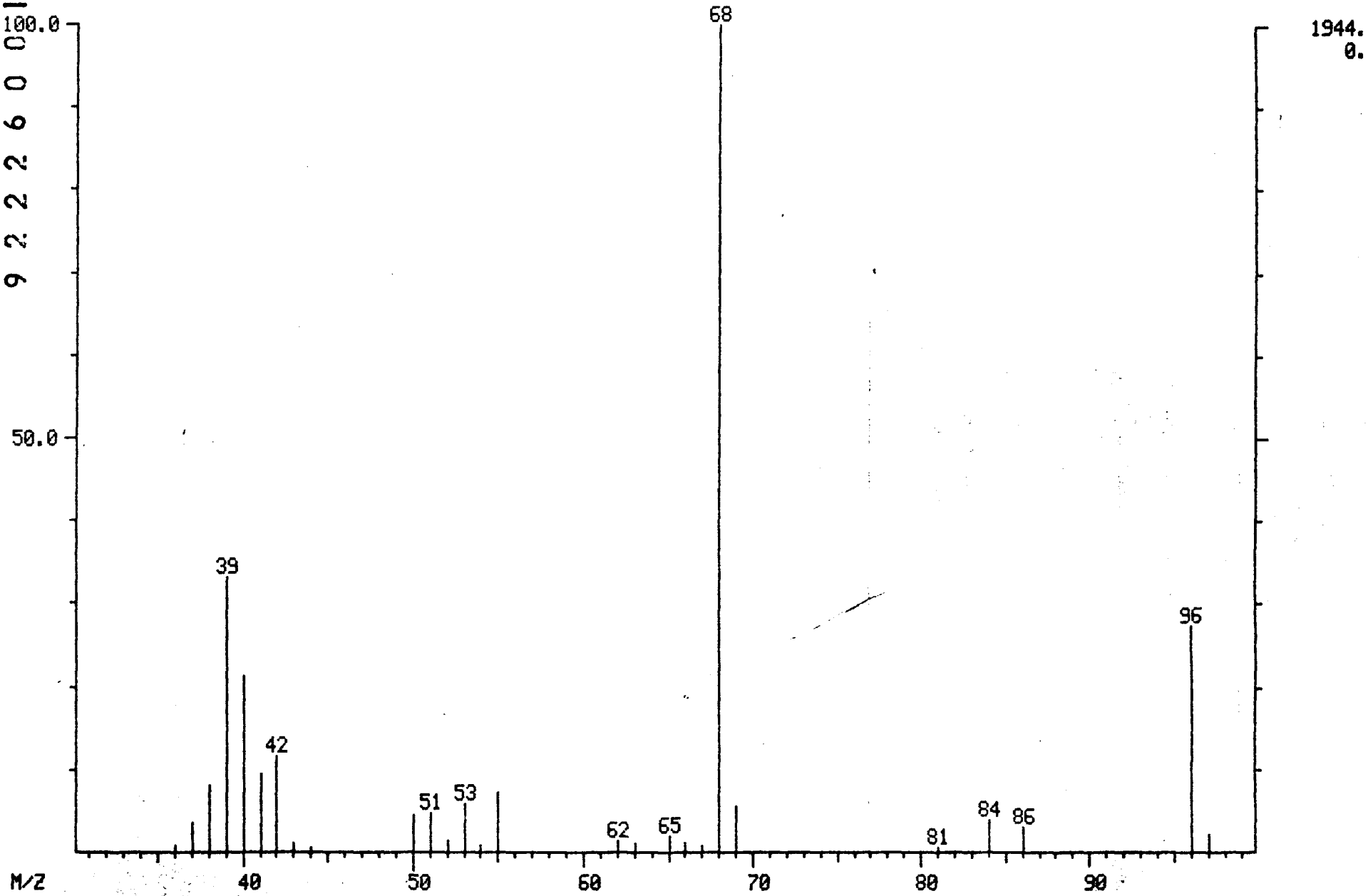


MASS SPECTRUM
04/02/91 11:49:00 + 10:11
SAMPLE: 90894 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1027
CALI: APR02GK04 #3

BASE M/Z: 68
RIC: 5128.

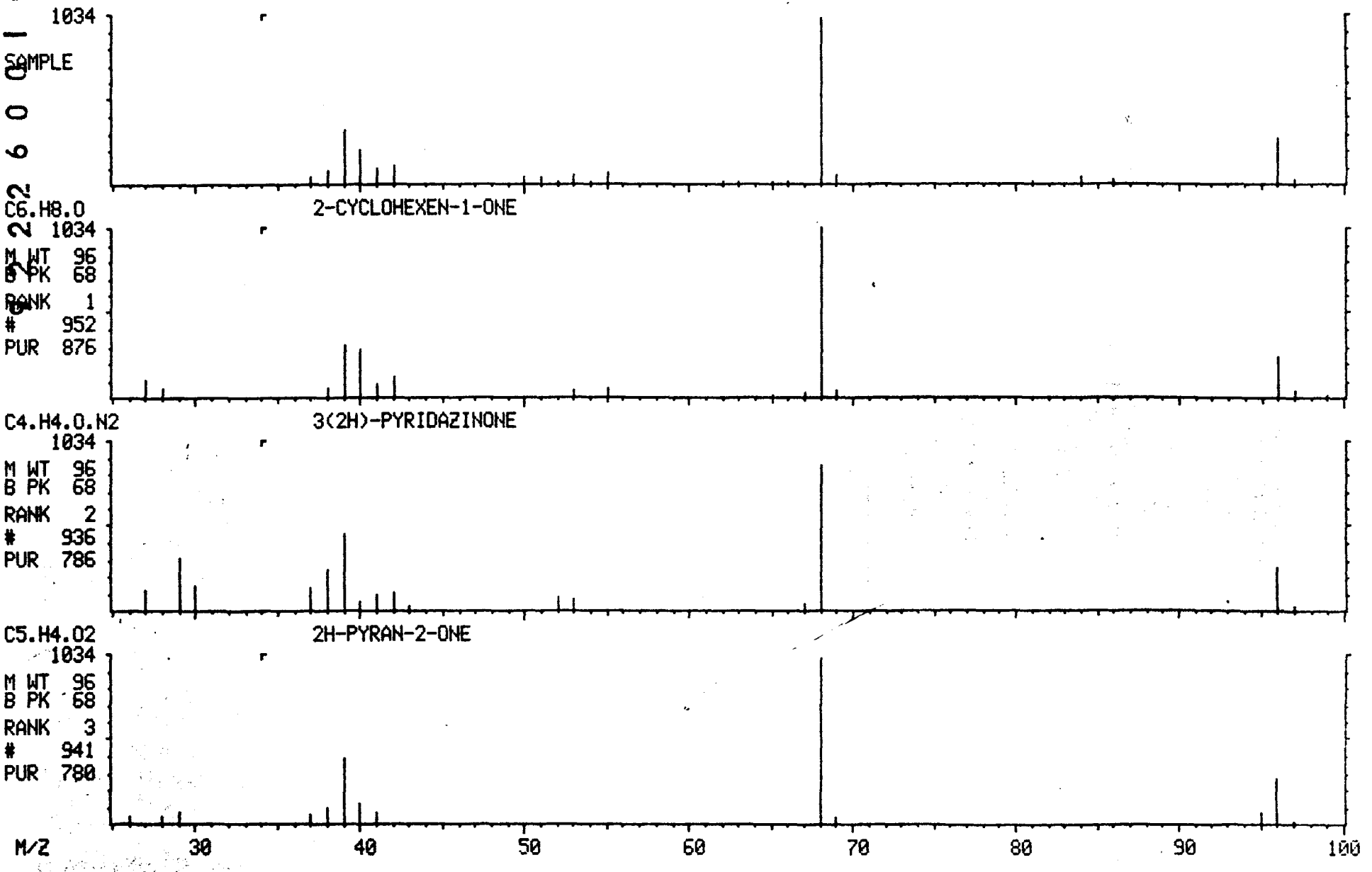
000985



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 11:49:00 + 10:11
SAMPLE: 90894 OH-/H+ CLP 1UL-1,0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK04 #1027
CALI: APR02GK04 # 3

BASE M/Z: 68
RIC: 5056.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G202

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

9222600166 3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

G202

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G202

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190895

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG01

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 5

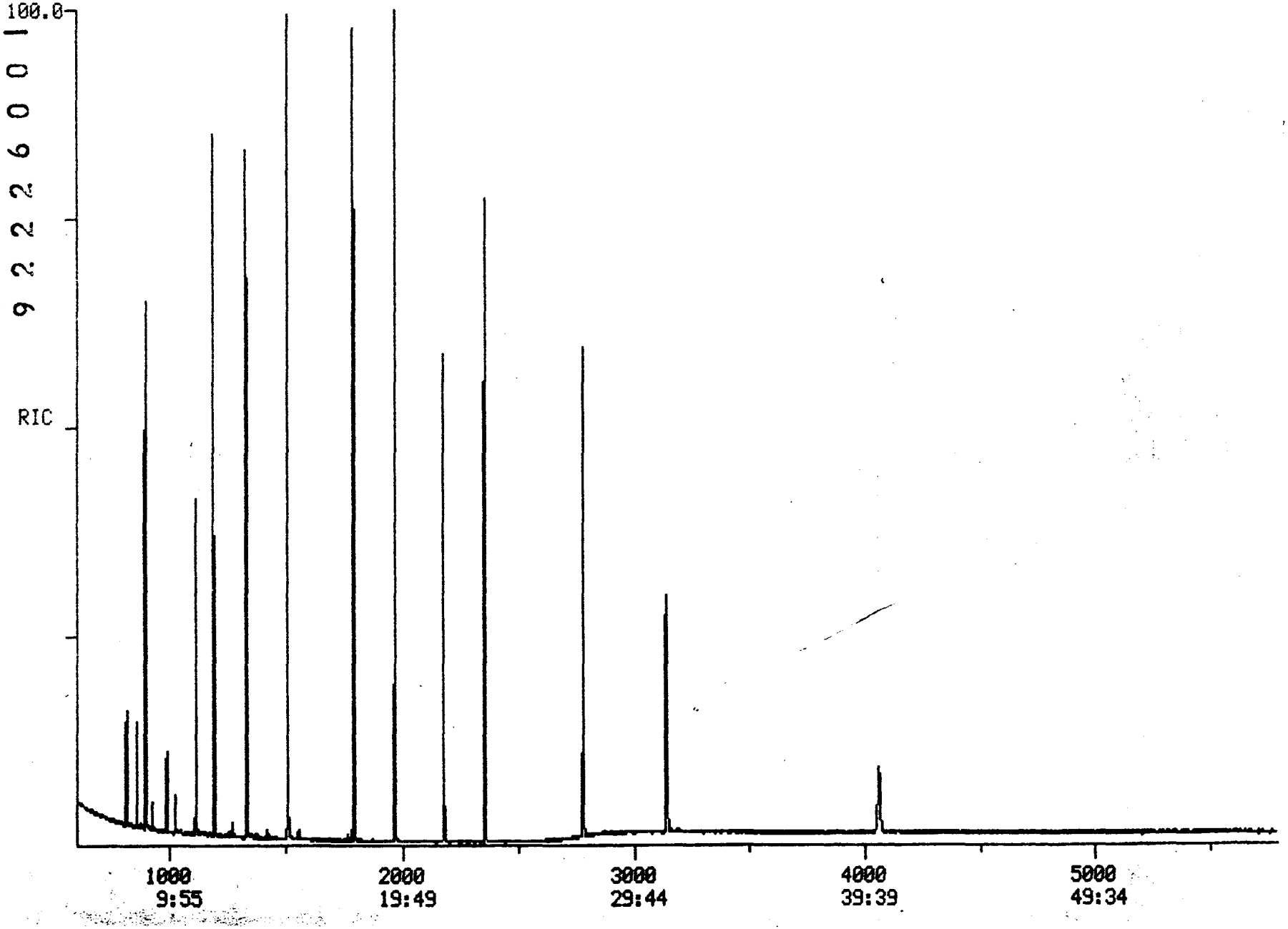
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	5.5	BAJ
2.	UNKNOWN	8.52	5.2	BJ
3.	UNKNOWN	9.19	1.4	J
4.	UNKNOWN	9.80	5.9	J
5.	UNKNOWN ALIP. KETONE	10.17	1.9	BAJ

G202

RIC
04/02/91 15:20:00
SAMPLE: 90895 OH-/H+ 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: APR02VG01 #1 SCANS 600 TO 5800
CALI: APR02VG01 #3



9222600166

000000

0624.

```
4/2/91     15:20:02
    Acquisition started


4/2/91     15:20:05
Acquire                          Run 0:APR02VG01          Starting
04/02/91 15:20:00 +  0:00        Free sectors:  8311      Scan: 0 of 5800
Sample: 90895 OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SG                 Analyst: VG              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5
                    *** GC not ready and being equilibrated ***
GC Desc.: BN                                   Elapsed time :    0.0 Min
Seq.   Temp     Rate      Time (minutes)
 #    (DegC)  (C/min)  period     total      Injector A    :  260 Deg C
 1    40- 40     -       4.0       4.0       GC oven       :   52 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
```

000991

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

4/2/91 16:23:10
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	7.3	3449.4	0.2	110819. 19.	32.

000962

Quantitation Report File: APR02VG01

Data: APR02VG01.TI
04/02/91 15:20:00
Sample: 90895 OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

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

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

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1193	11:50	1	1.000	A BB	55640.	40.000 UG/L	6.33
2	NOT FOUND								
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	898	8:54	1	0.753	A BB	49532.	38.778 %	6.14
15	99	1114	11:03	1	0.934	A BB	35578.	26.480 %	4.19
16	136	1513	15:00	16	1.000	A BB	127721.	40.000 UG/L	6.33
17	77	1334	13:13	16	0.882	A BB	284.	~~0.190 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	1334	13:13	16	0.882	A BV	76823.	83.702 %	13.25
31	162	1973	19:33	31	1.000	A BB	58648.	40.000 UG/L	6.33
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	149	2093	20:45	31	1.061	A BB	138.	~~0.064 UG/L~~	0.01
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1796	17:48	31	0.910	A BV	90838.	85.526 %	13.54

Quantitation Report File: APR02VG01

Data: APR02VG01.TI
04/02/91 15:20:00
Sample: 90895 OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

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

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	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	2181	21:37	31	1.105	A BB	15018.	57.422 %	9.09
52	188	2360	23:24	52	1.000	A BV	82214.	40.000 UG/L	6.33
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	149	2520	24:59	52	1.068	A BB	44.	~~0.015 UG/L~~	0.00
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	240	3143	31:09	64	1.000	A BB	46913.	40.000 UG/L	6.33
65	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3166	31:23	64	1.007	A BB	32.	~~0.030 UG/L~~	0.00
69	NOT FOUND								
70	244	2782	27:35	64	0.885	A BB	60746.	99.496 %	15.75
71	264	4066	40:18	71	1.000	A BB	25212.	40.000 UG/L	6.33
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222250001672

Quantitation Report File: APR02VG01A

Data: APR02VG01.TI
04/02/91 15:20:00
Sample: 90895 OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.059
Resp. fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	822-67-3	2-CYCLOHEXEN-1-OL
4	42786-06-1	4H-1,2,4-TRIAZOL-3-AMINE, 4-ETHYL-
5	930-68-7	2-CYCLOHEXEN-1-ONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	815	8:05	4	0.824	A BB	42985.UNK	5.533 BA	27.87
2	RIC	860	8:31	4	0.870	A BB	40087.UNK	5.160 B	25.99
3	RIC	926	9:11	4	0.936	A BB	10765.UNK	1.386	6.98
4	RIC	989	9:48	4	1.000	A BB	45840.UNK	5.900	29.72
5	RIC	1025	10:10	4	1.036	A BB	14567 Ethyl Ketone	1.875 BA	9.44

$$\frac{45840}{312420} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.059$$

000957

TARGET COMPOUND SPECTRA

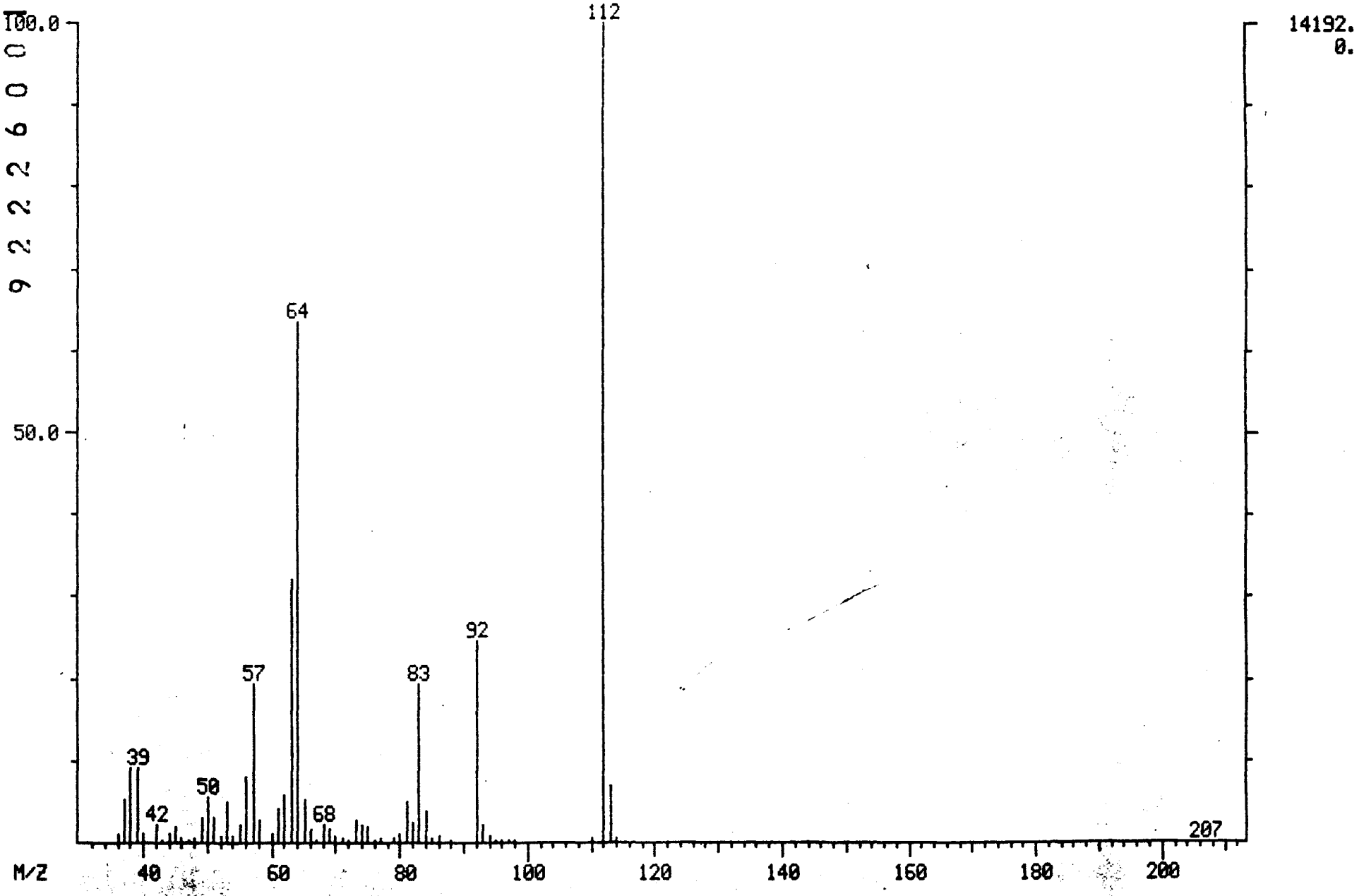
9222250601674

000928

MASS SPECTRUM
04/02/91 15:20:00 + 8:54
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #898
CALI: APR02VG01 #3

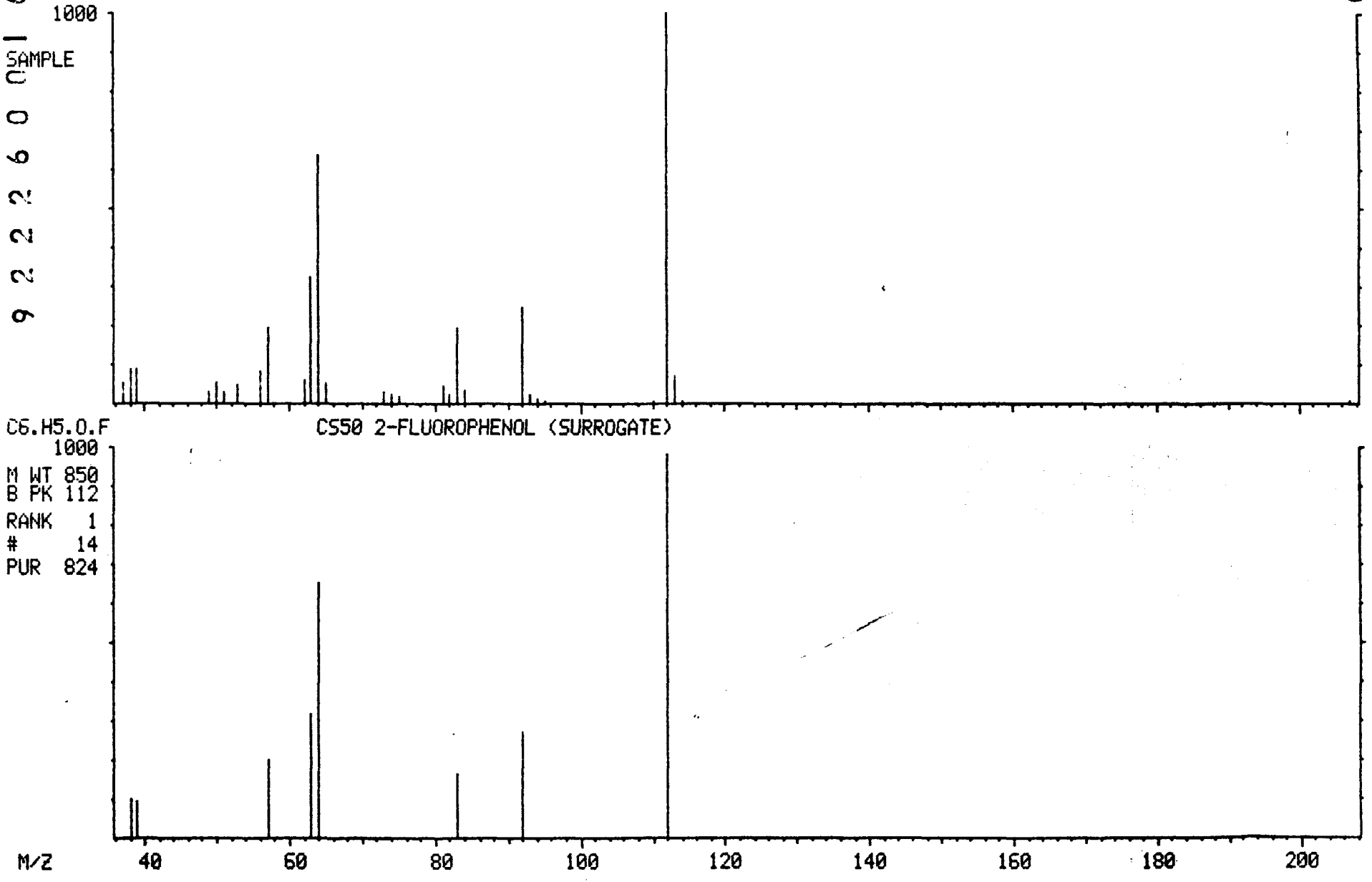
BASE M/Z: 112
RIC: 54016.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 8:54
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 # 898
CALI: APR02VG01 # 3

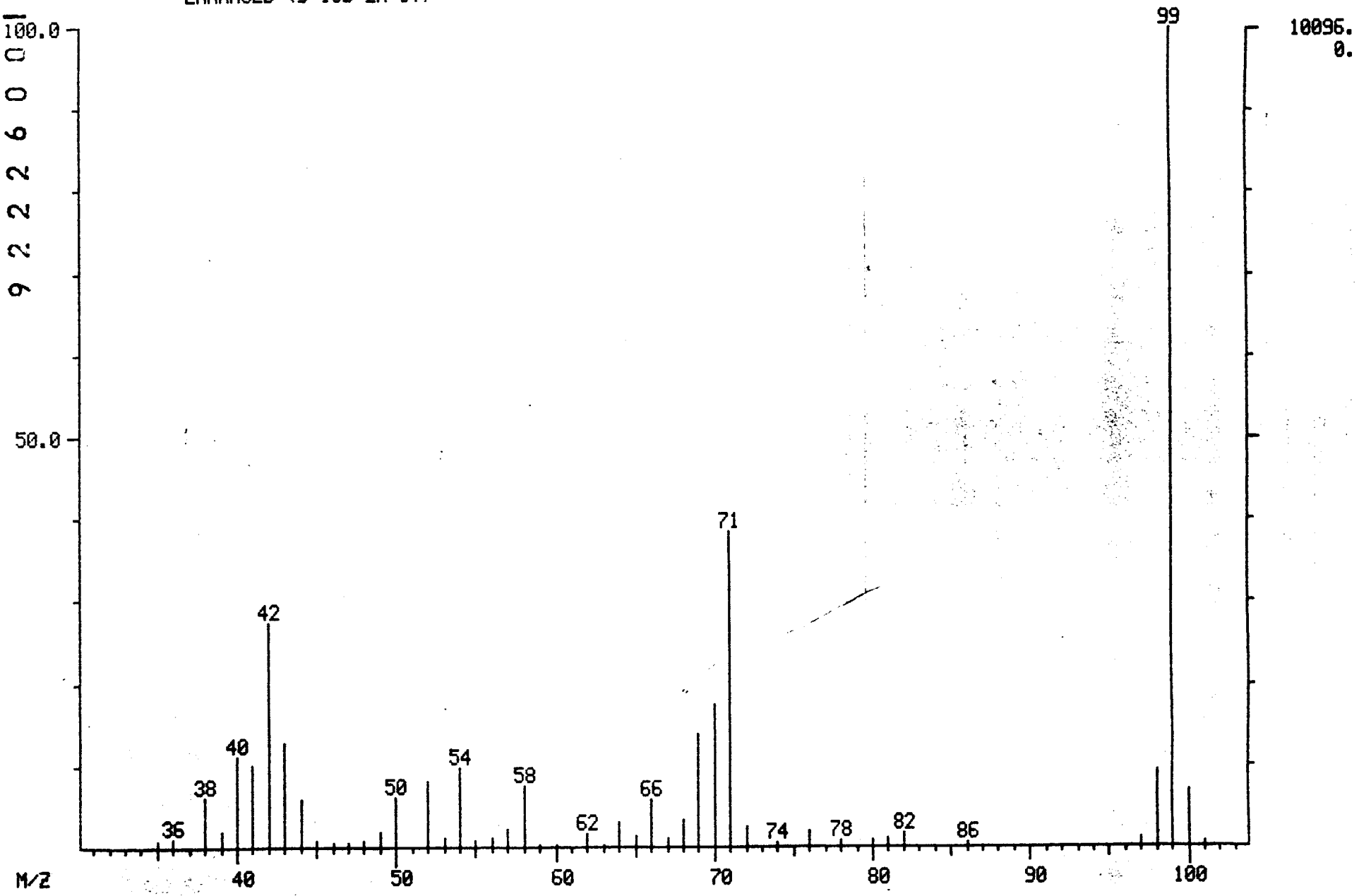
BASE M/Z: 112
RIC: 49344.



MASS SPECTRUM
04/02/91 15:20:00 + 11:03
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1114
CALI: APR02VG01 #3

BASE M/Z: 99
RIC: 33600.

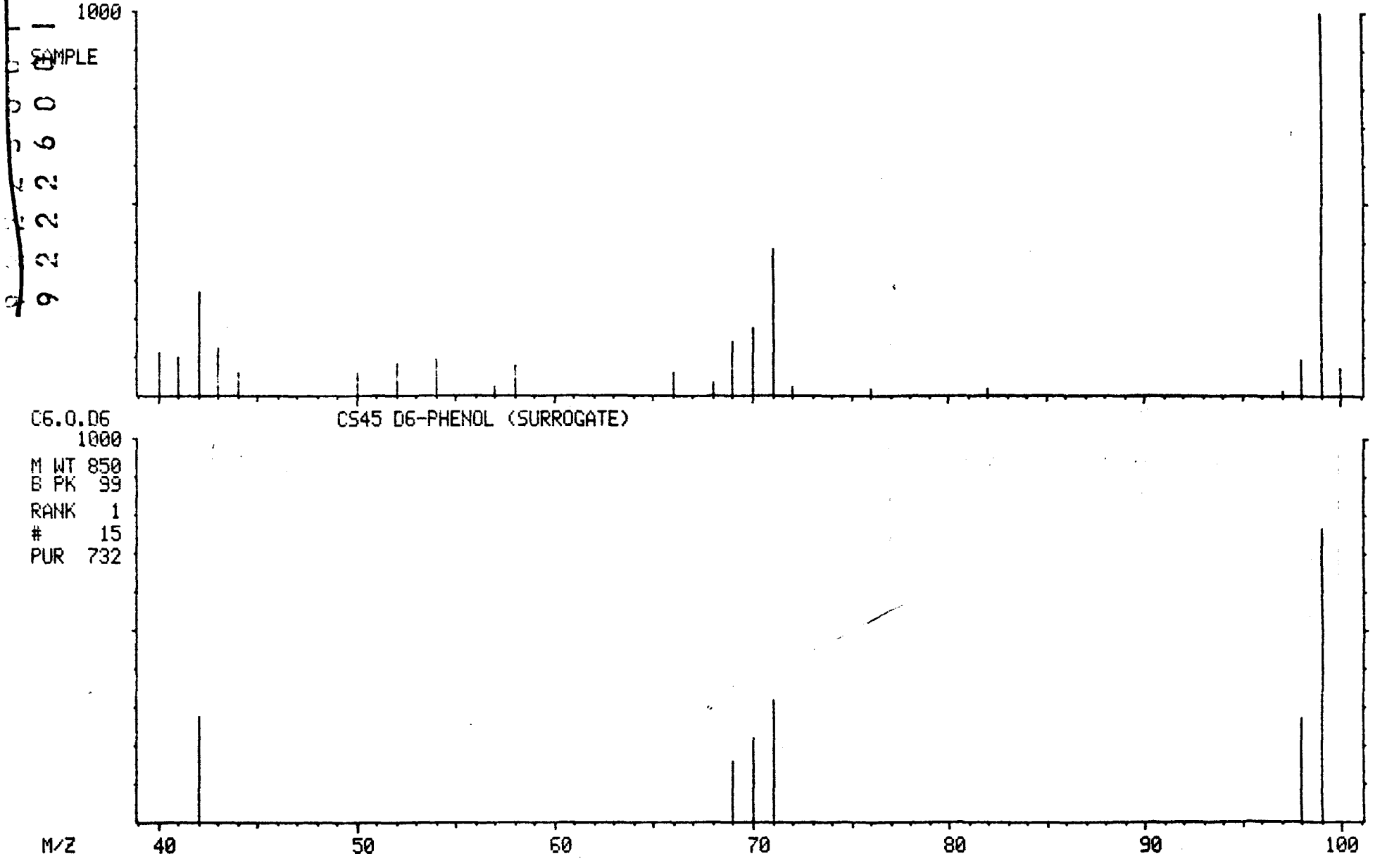


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 11:03
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1114
CALI: APR02VG01 # 3

BASE M/Z: 99
RIC: 30560.

001002

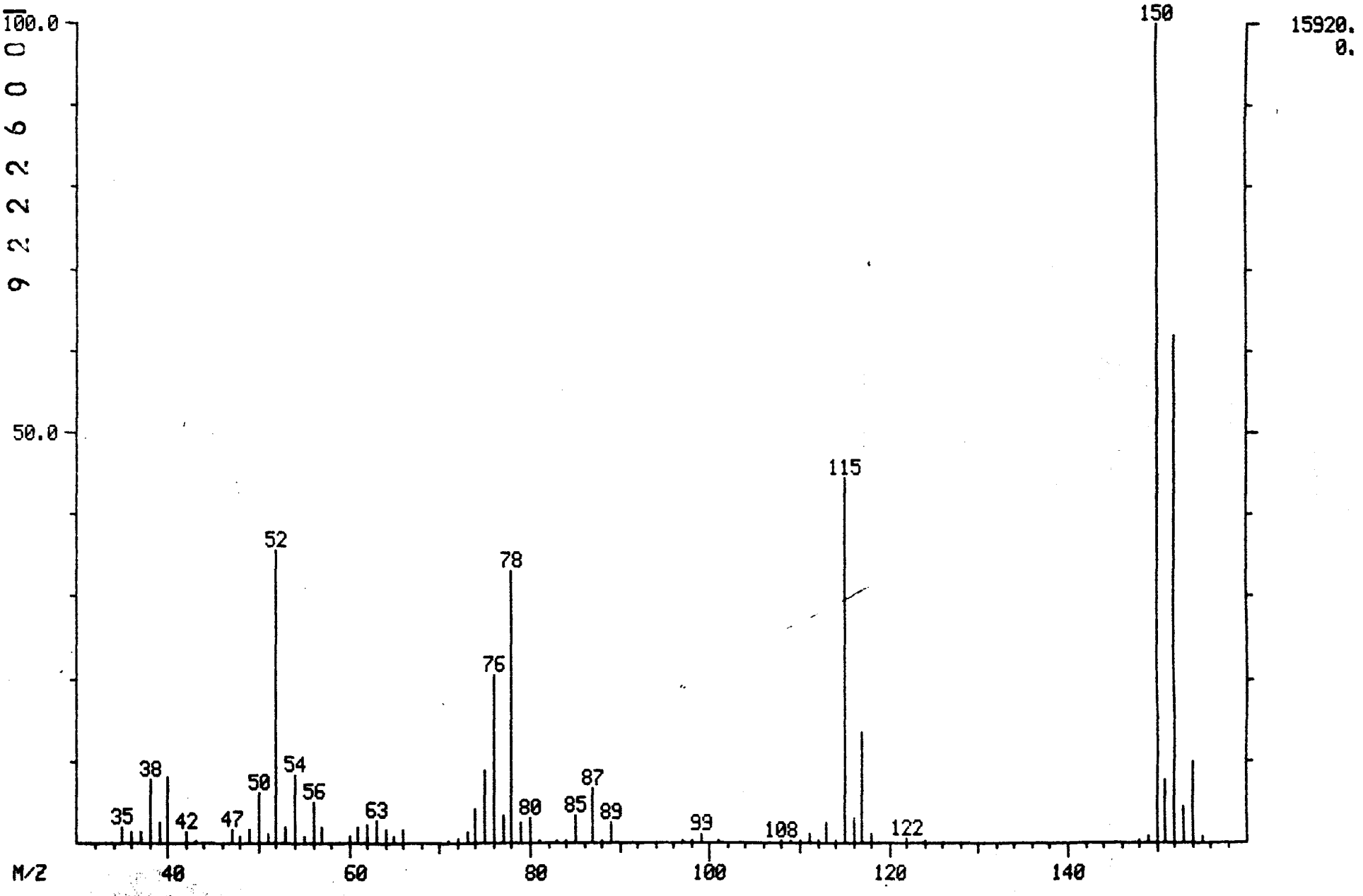


MASS SPECTRUM
04/02/91 15:20:00 + 11:50
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1193
CALI: APR02VG01 #3

BASE M/Z: 150
RIC: 71552.

001003

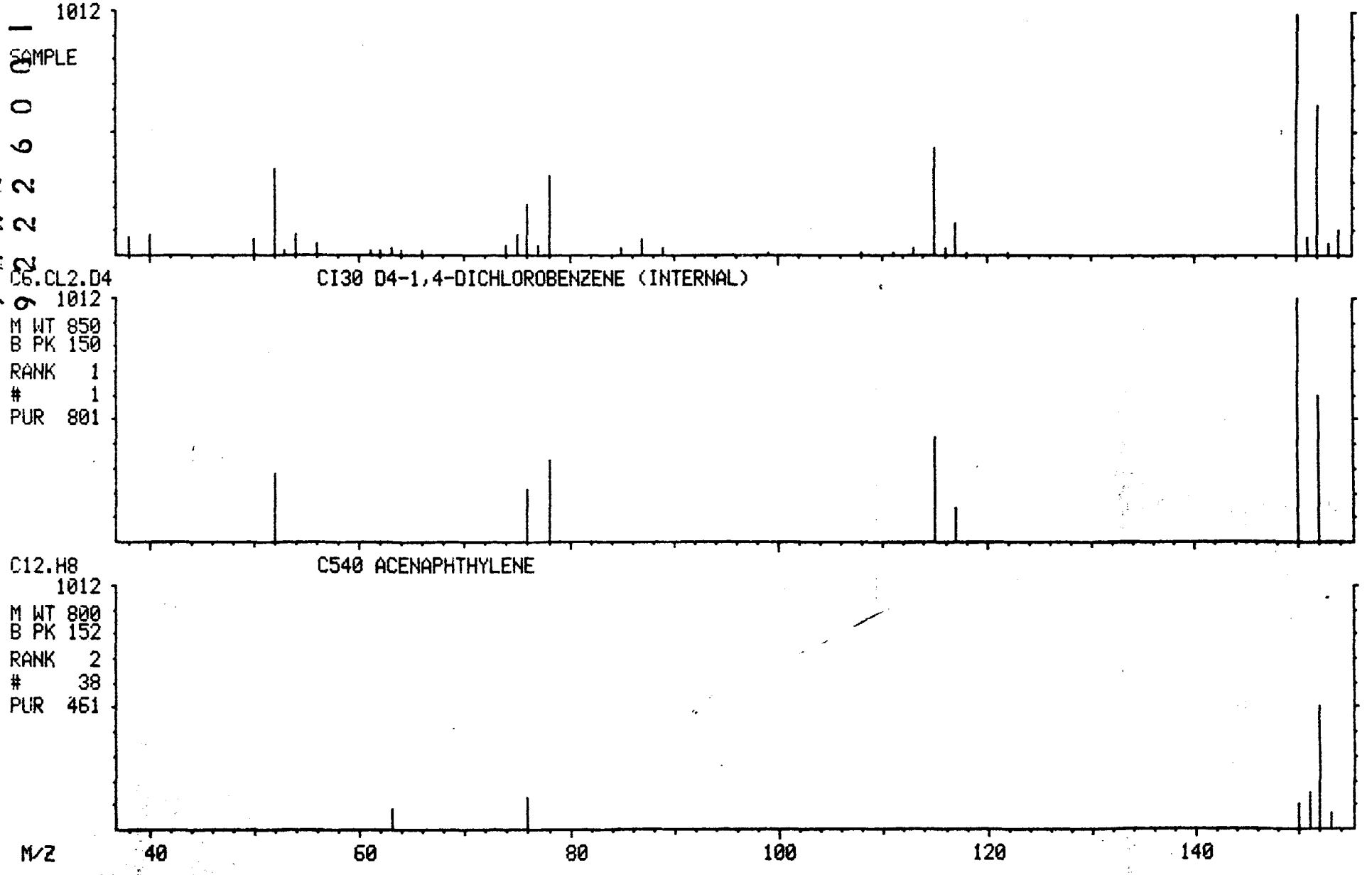


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 11:50
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1193
CALI: APR02VG01 # 3

BASE M/Z: 150
RIC: 66560.

001004

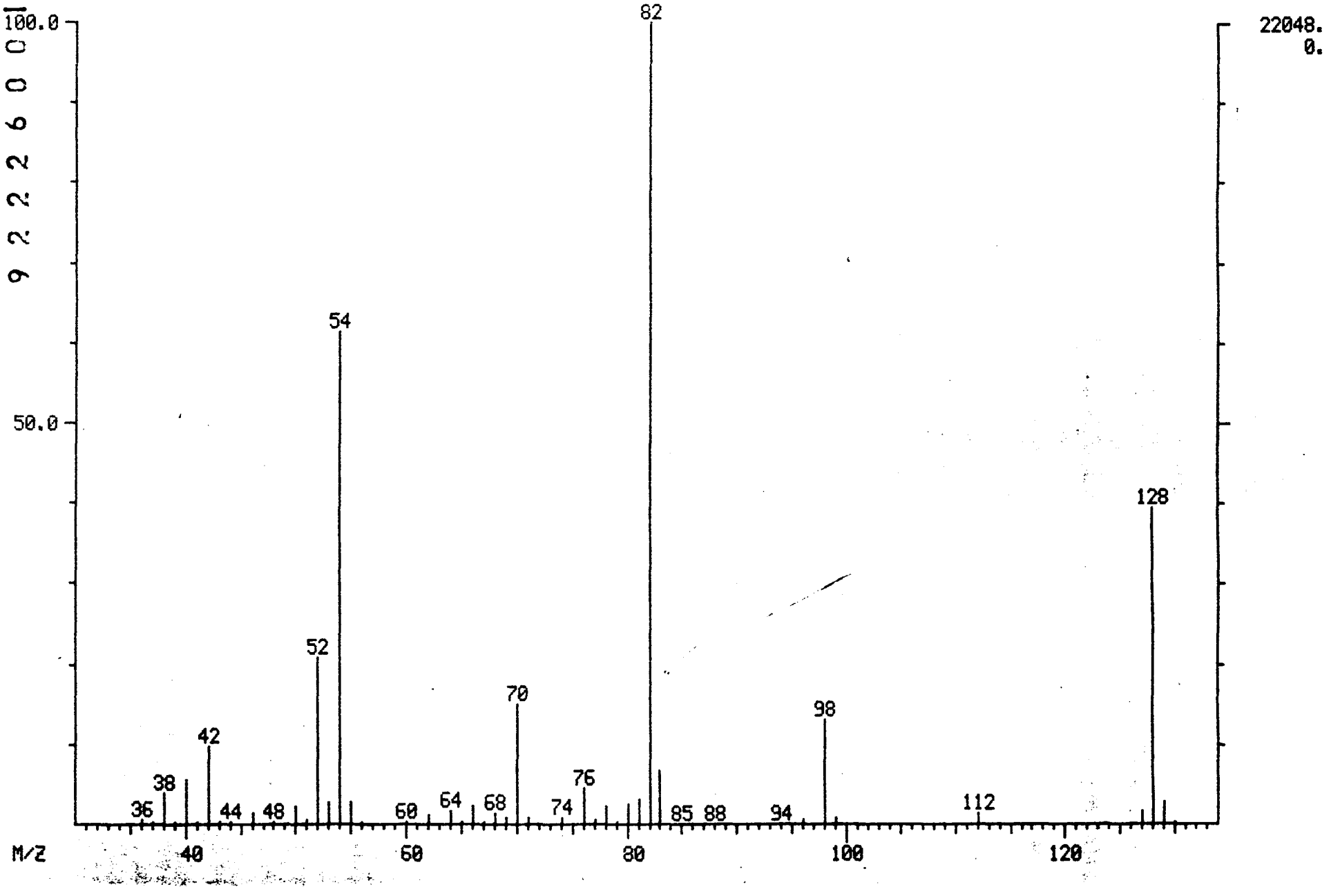


MASS SPECTRUM
04/02/91 15:20:00 + 13:13
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 132 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1334
CALI: APR02VG01 #3

BASE M/Z: 82
RIC: 70016.

001005

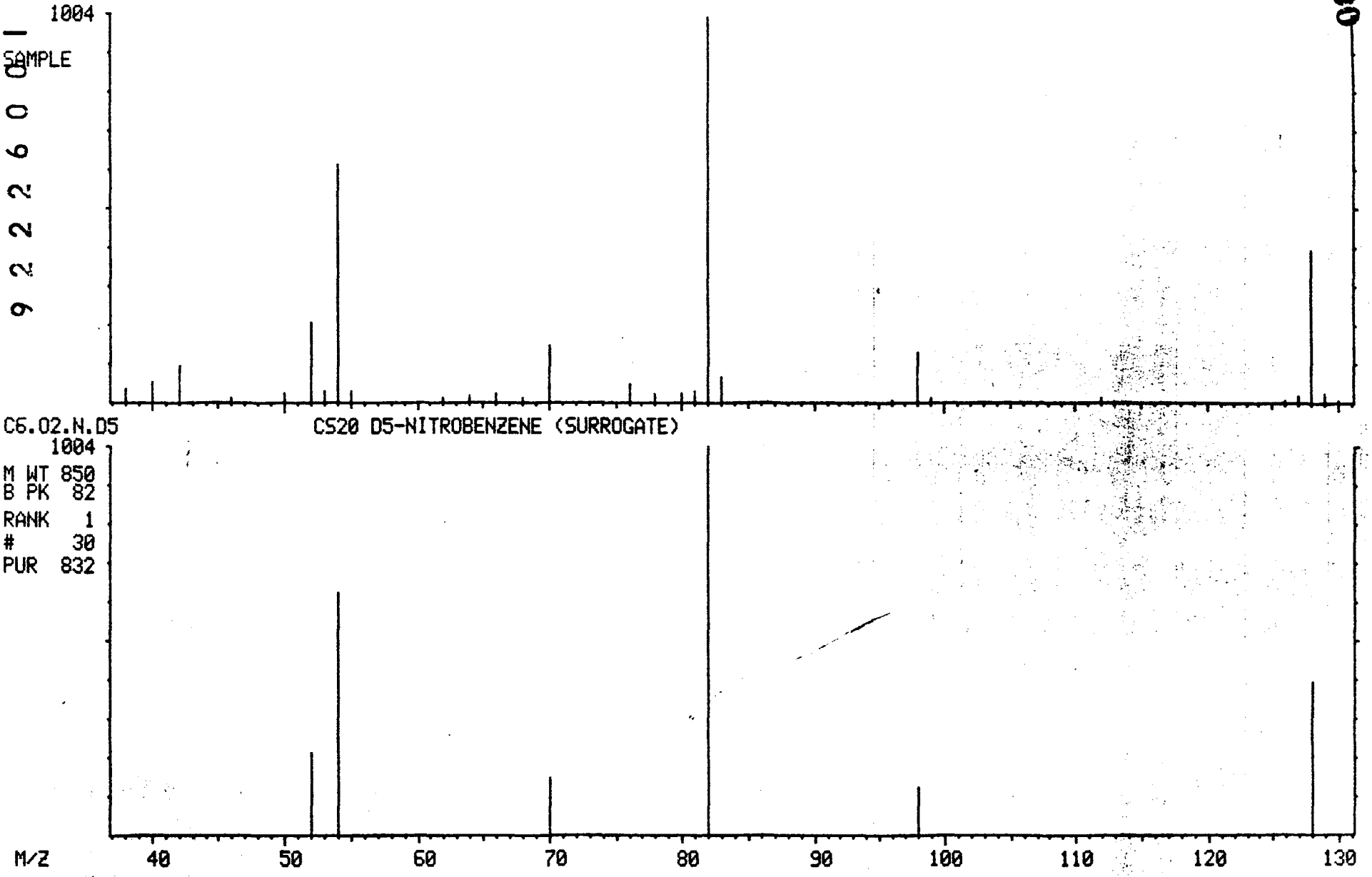


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 13:13
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1334
CALI: APR02VG01 # 3

BASE M/Z: 82
RIC: 68352.

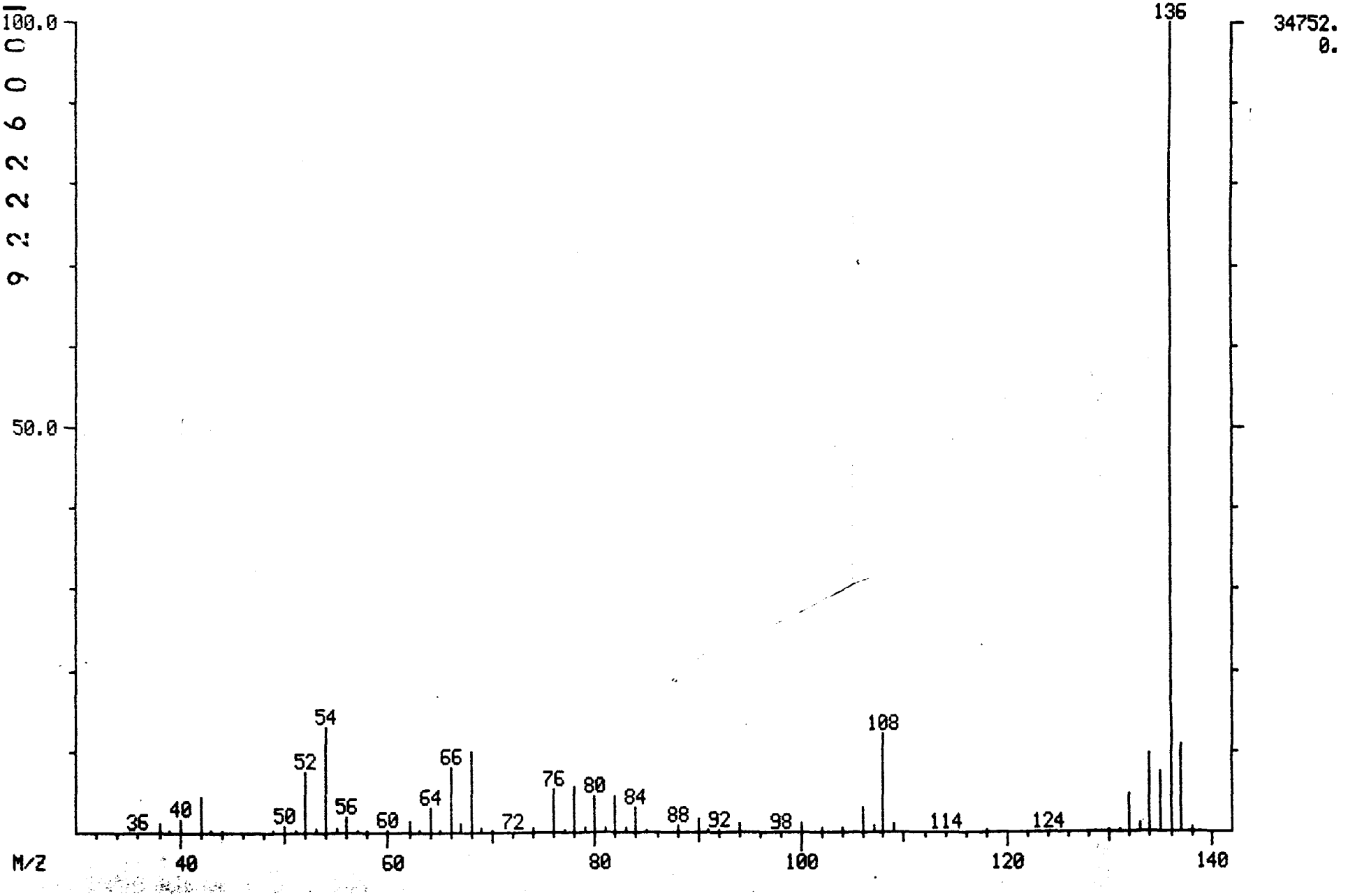
001006



MASS SPECTRUM
04/02/91 15:20:00 + 15:00
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1513
CALI: APR02VG01 #3

BASE M/Z: 136
RIC: 84480.



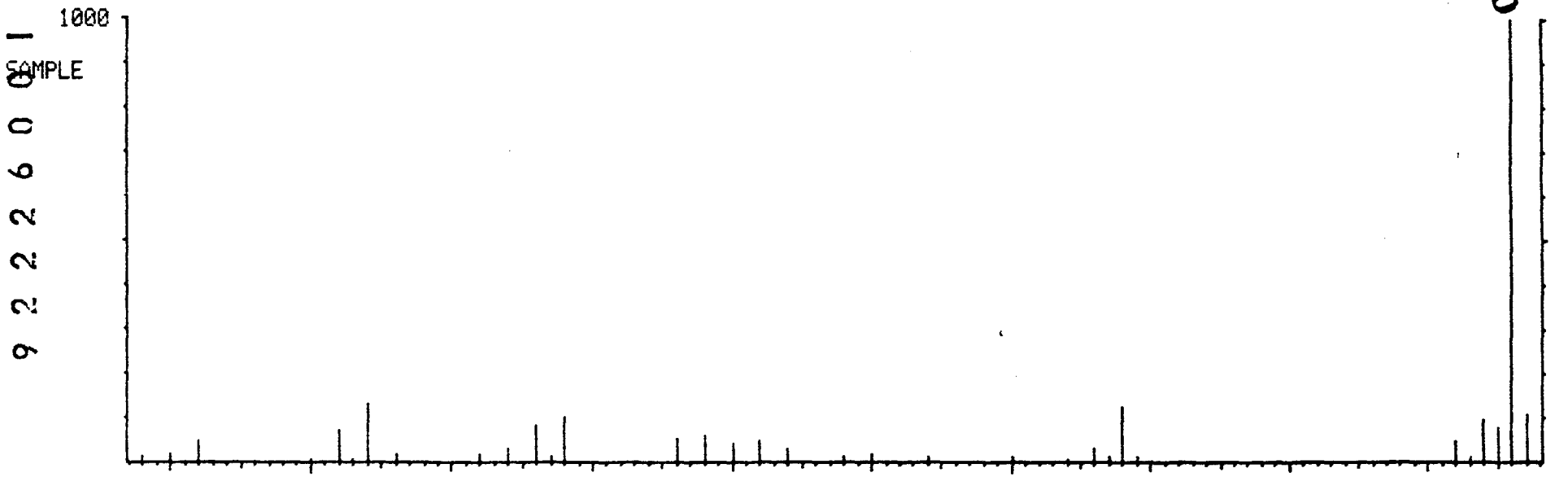
9222600683

001007

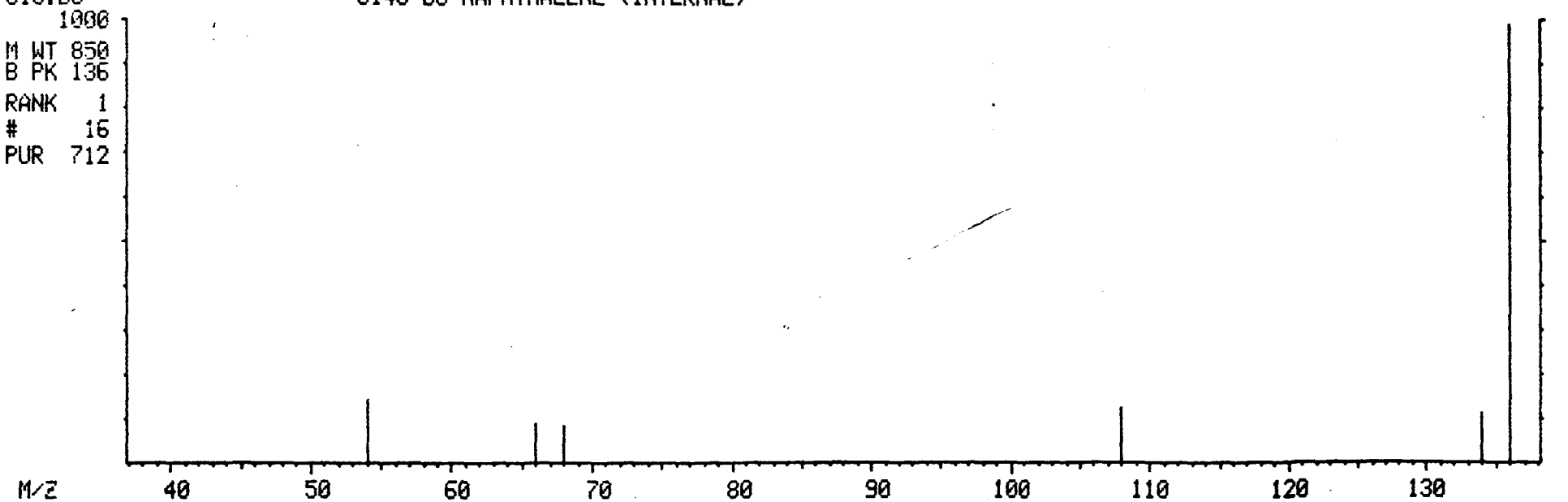
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 15:00
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1513
CALI: APR02VG01 # 3

BASE M/Z: 136
RIC: 81280.



C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)

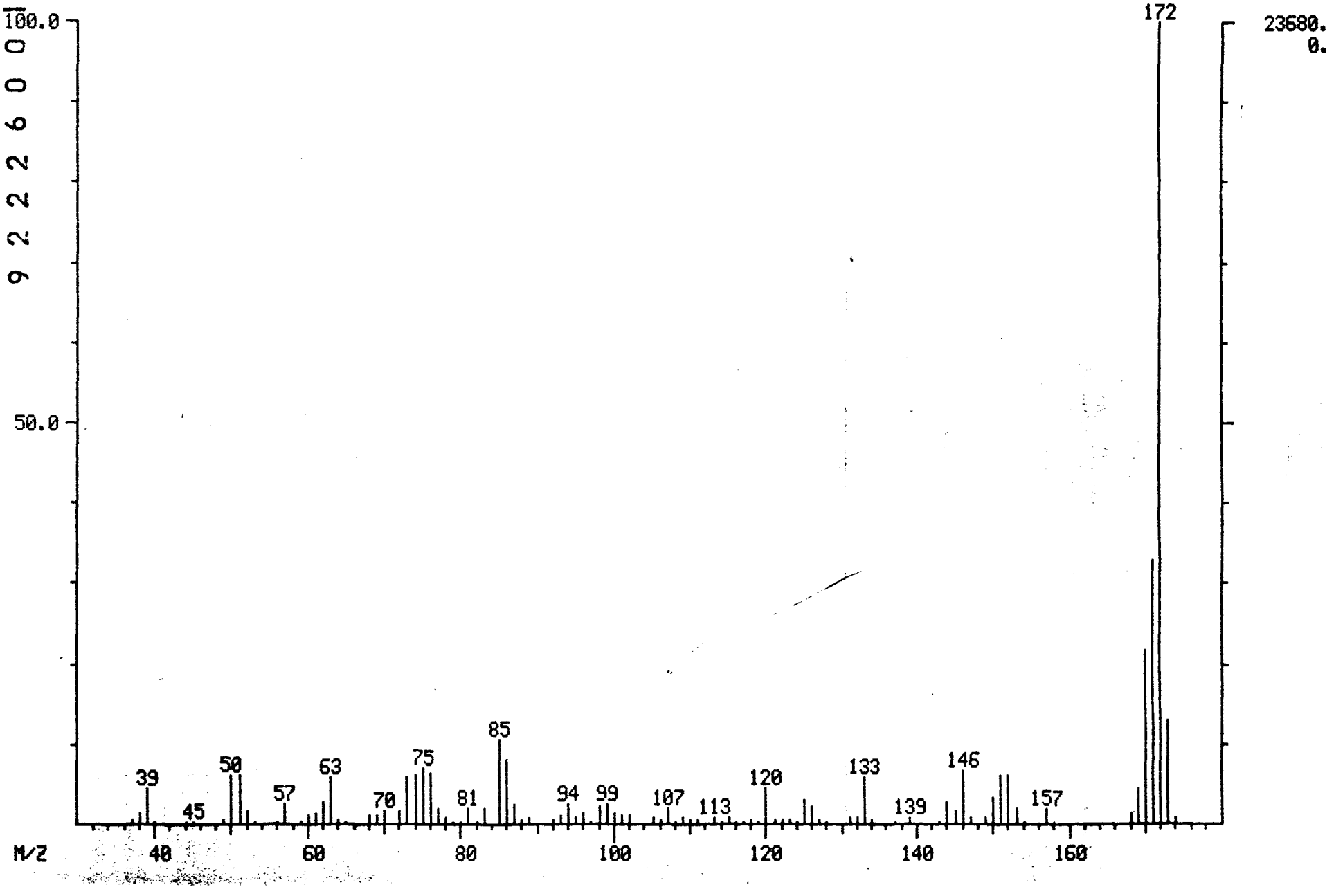


MASS SPECTRUM
04/02/91 15:20:00 + 17:48
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1796
CALI: APR02VG01 #3

BASE M/Z: 172
RIC: 83072.

001009

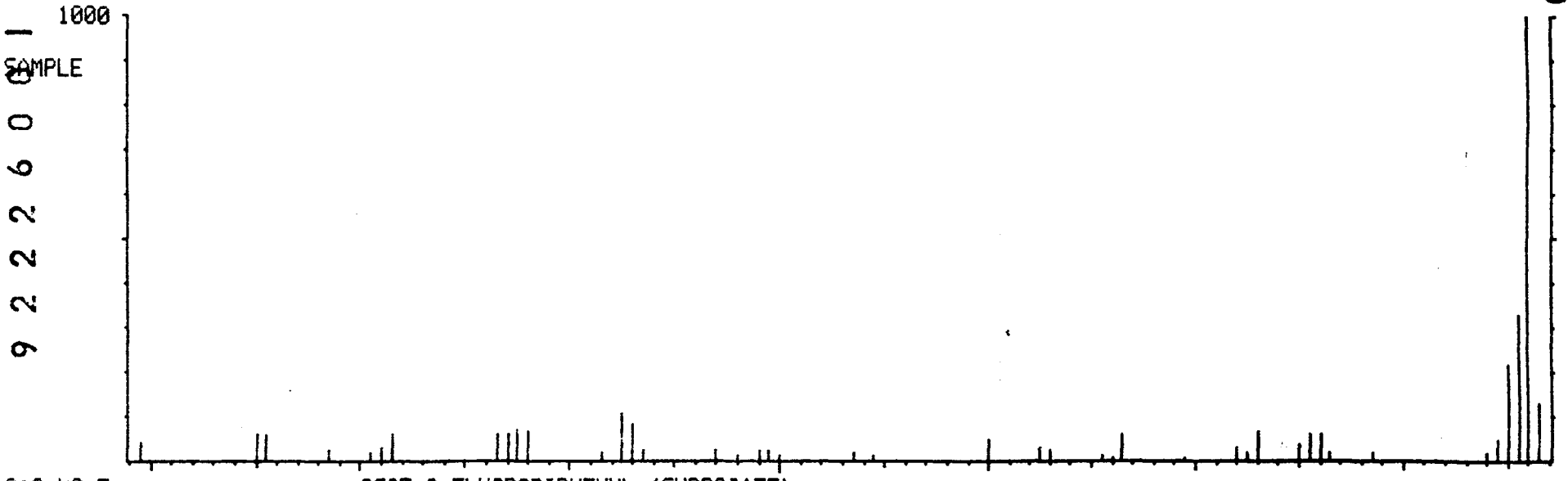


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 17:48
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1796
CALI: APR02VG01 # 3

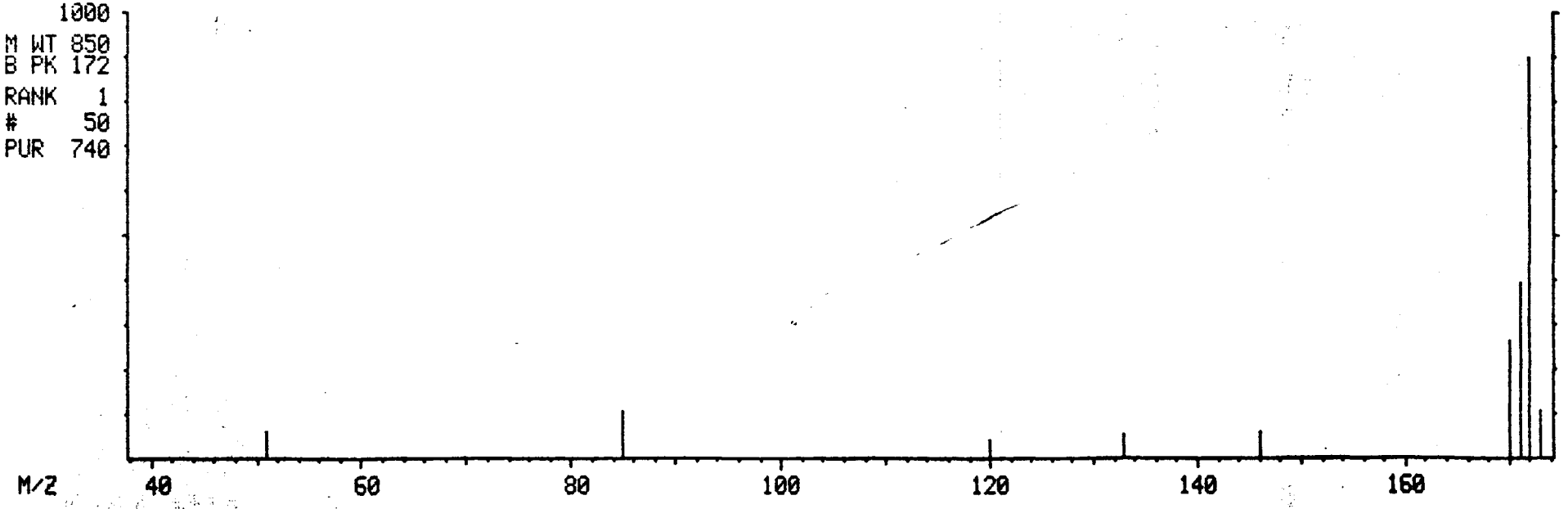
BASE M/Z: 172
RIC: 73856.

001010



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

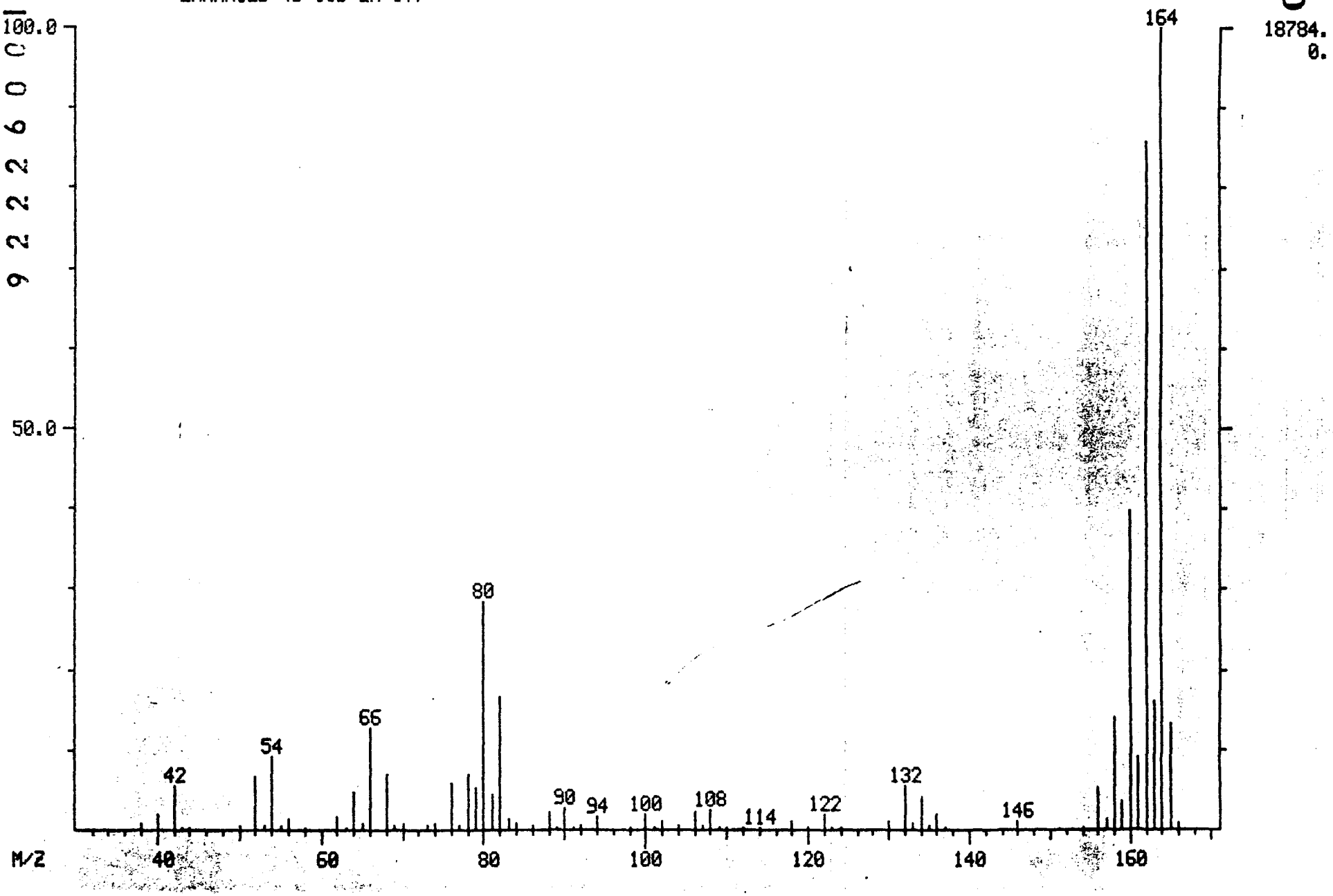
M WT 850
B PK 172
RANK 1
50
PUR 740



MASS SPECTRUM
04/02/91 15:20:00 + 19:33
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1973
CALI: APR02VG01 #3

BASE M/Z: 164
RIC: 85760.



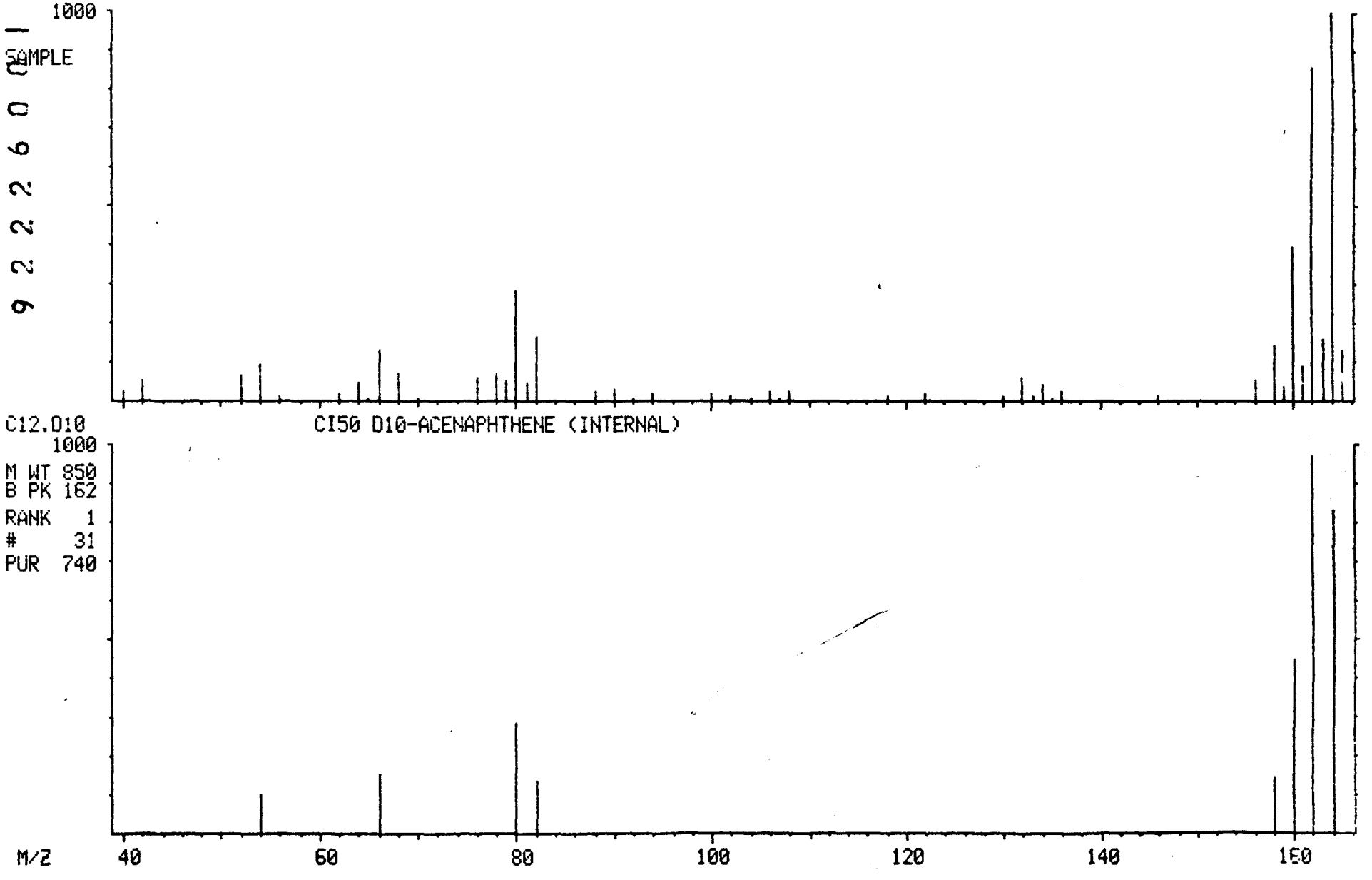
9 2 2 2 6 0 0 0 1 6 8 7

001011

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 19:33
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1973
CALI: APR02VG01 # 3

BASE M/Z: 164
RIC: 82816.

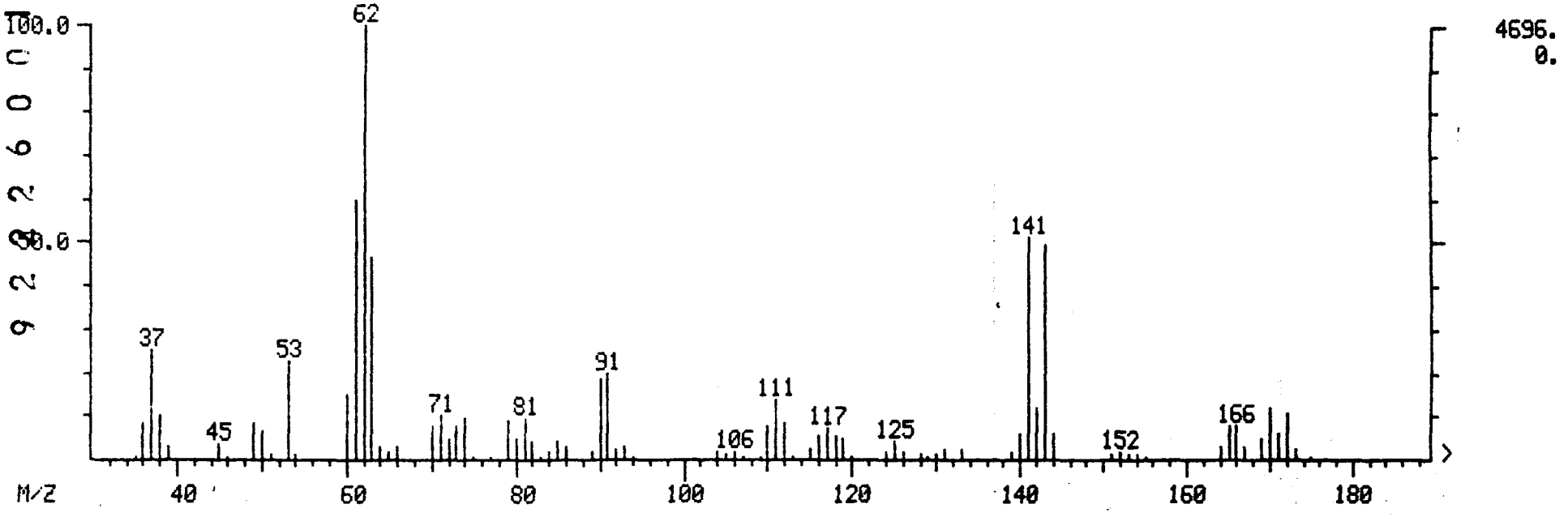


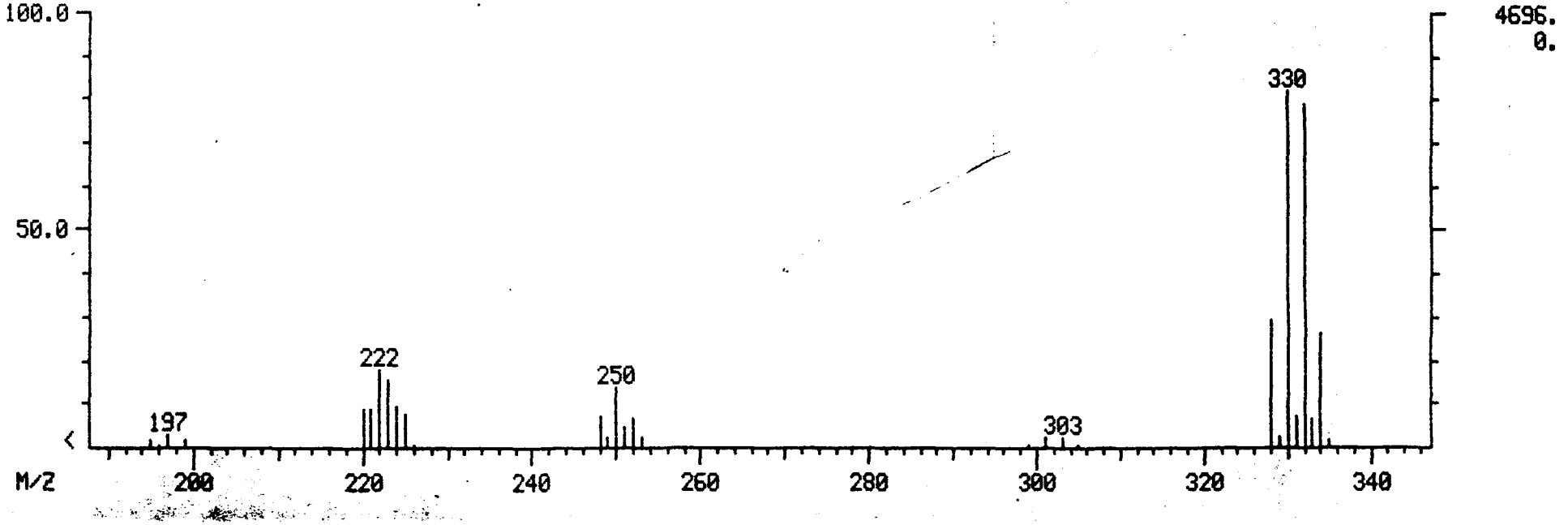
MASS SPECTRUM
04/02/91 15:20:00 + 21:37
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #2181
CALI: APR02VG01 #3

BASE M/Z: 62
RIC: 50240.

001013



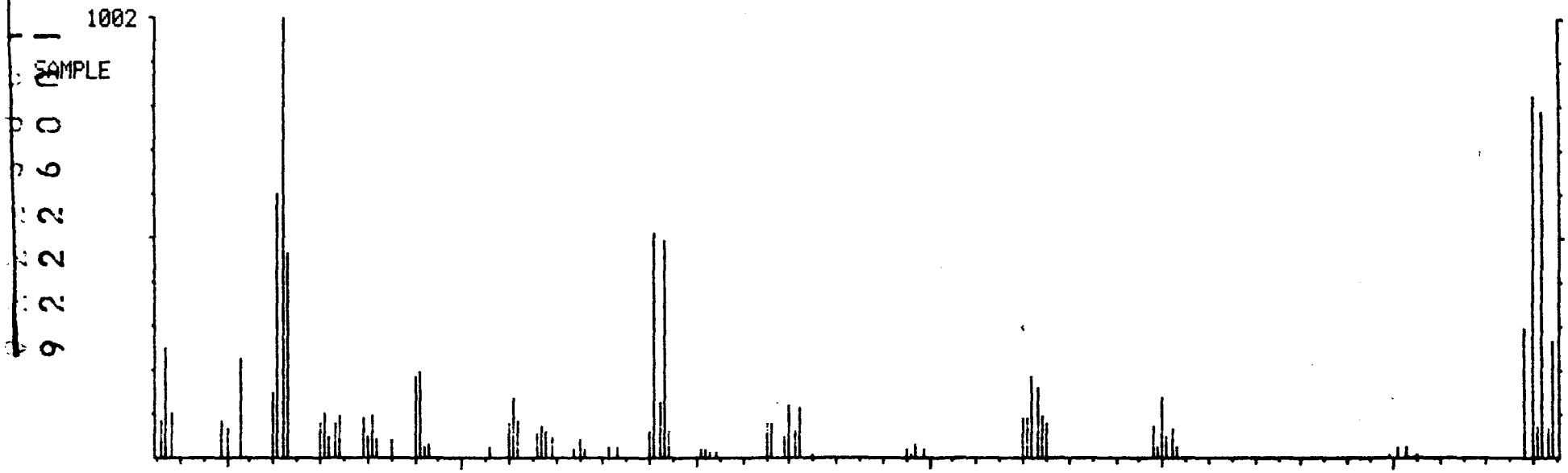


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 21:37
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

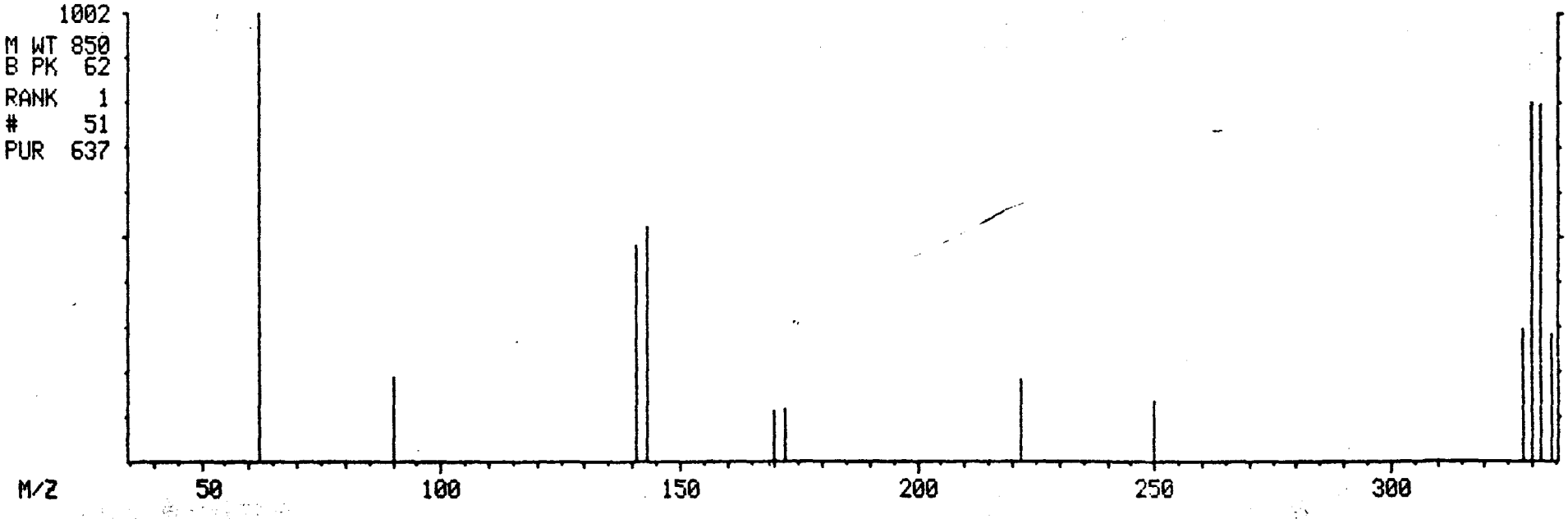
DATA: APR02VG01 #2181
CALI: APR02VG01 # 3

BASE M/Z: 62
RIC: 47744.

001014



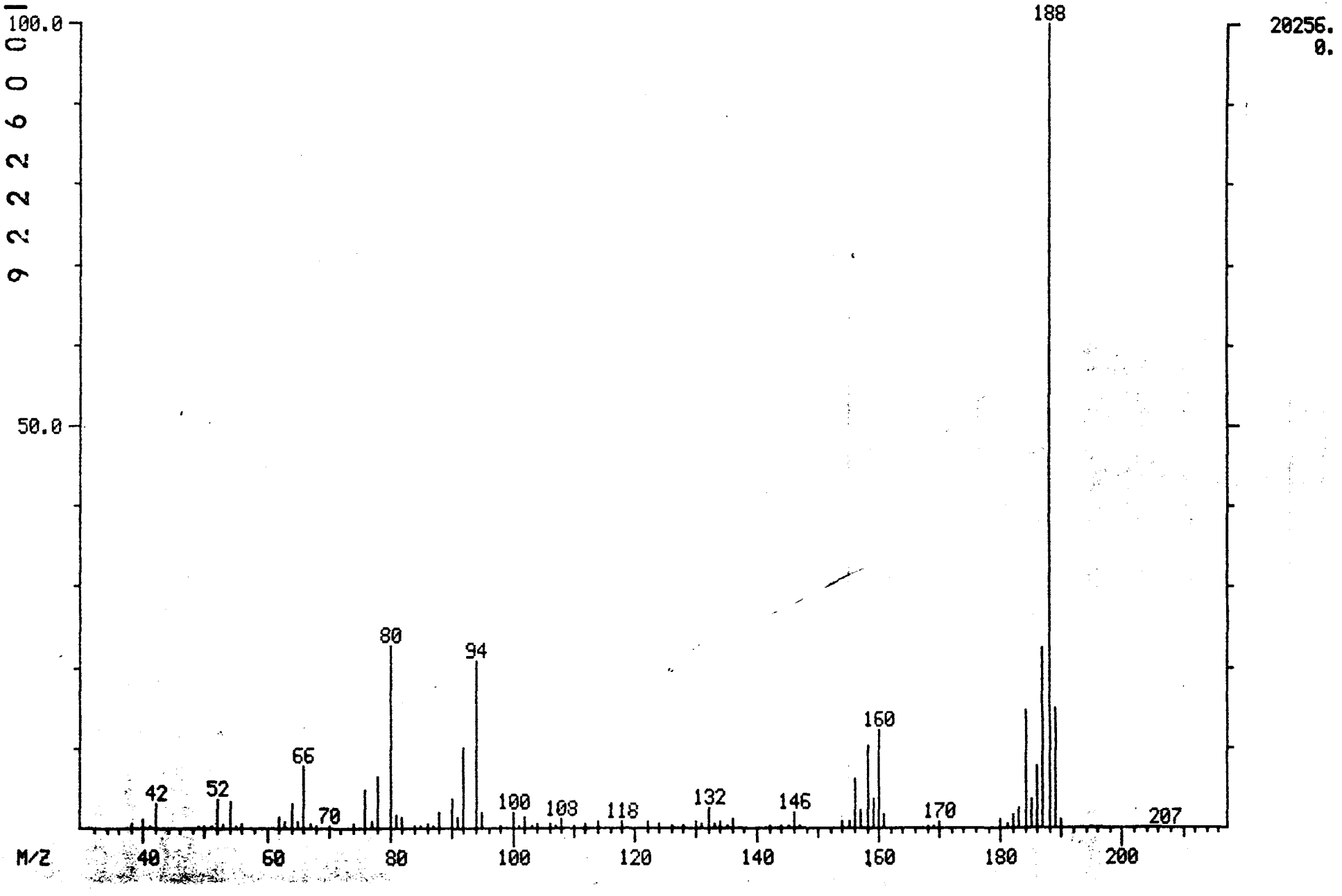
C6.H3.O.BR3 CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)



MASS SPECTRUM
04/02/91 15:20:00 + 23:24
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #2360
CALI: APR02VG01 #3

BASE M/Z: 188
RIC: 68224.



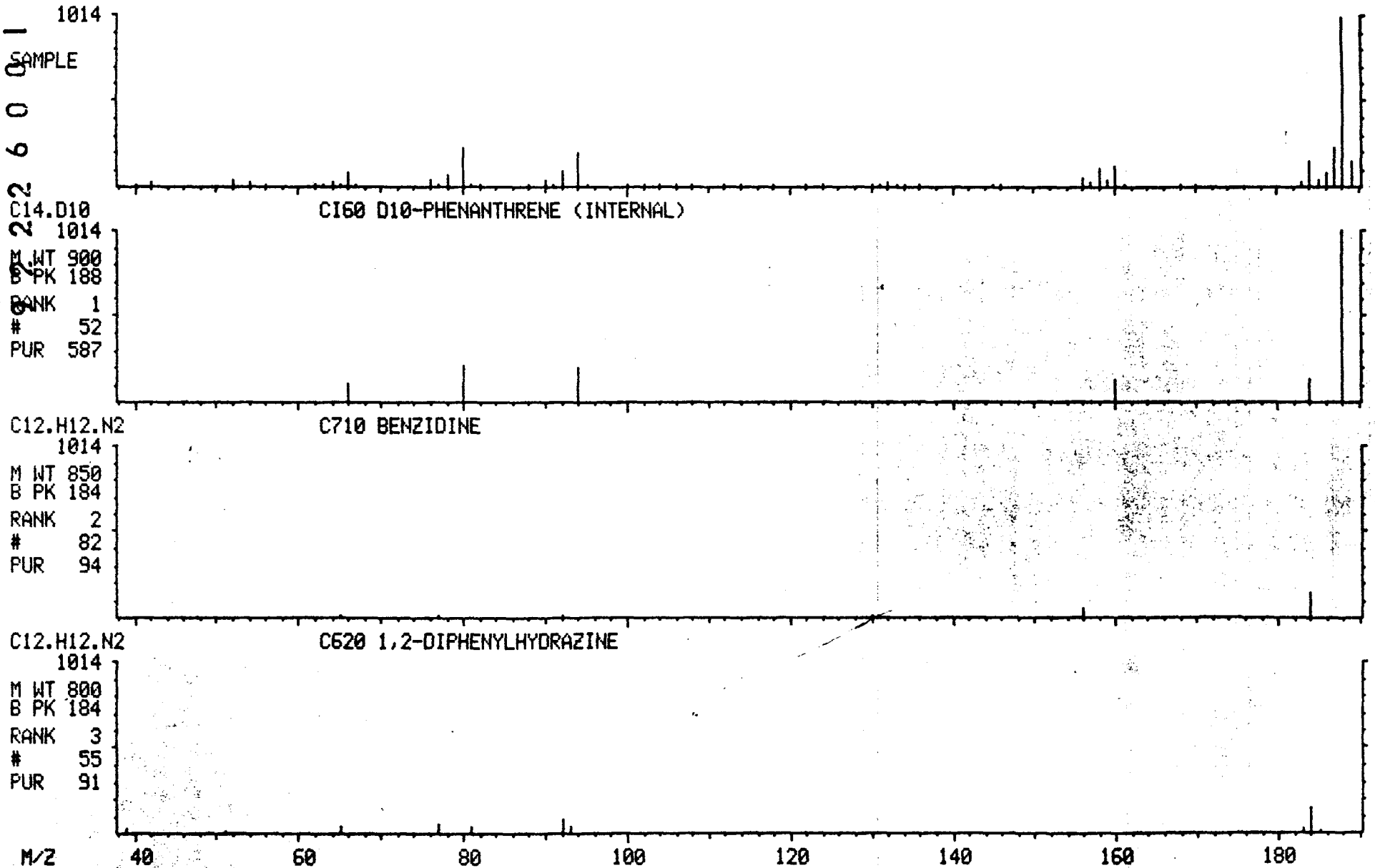
9222600016911

001015

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 23:24
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #2360
CALI: APR02VG01 # 3

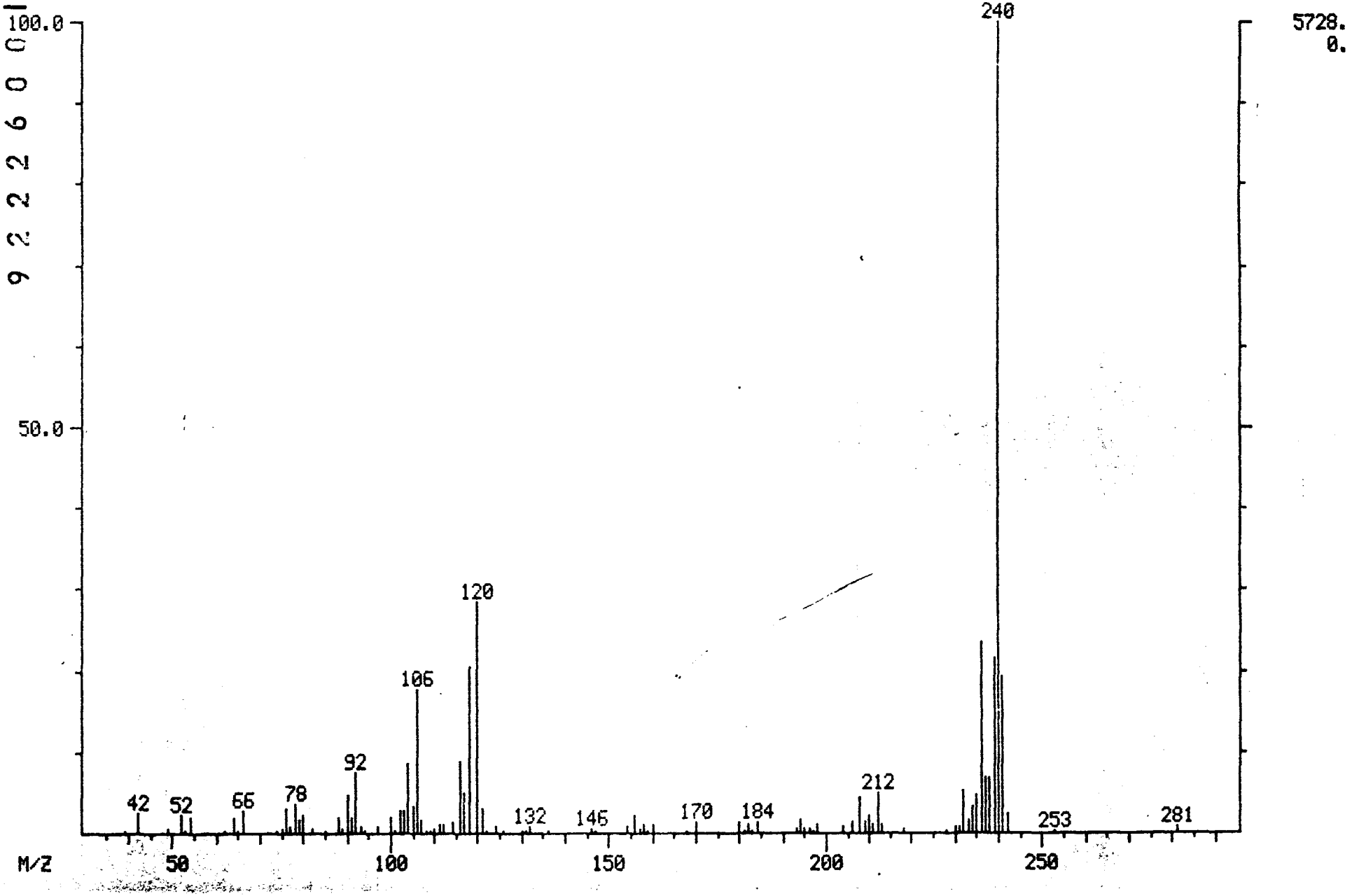
BASE M/Z: 188
RIC: 65344.



MASS SPECTRUM
04/02/91 15:20:00 + 31:09
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #3143
CALI: APR02VG01 #3

BASE M/Z: 240
RIC: 22464.



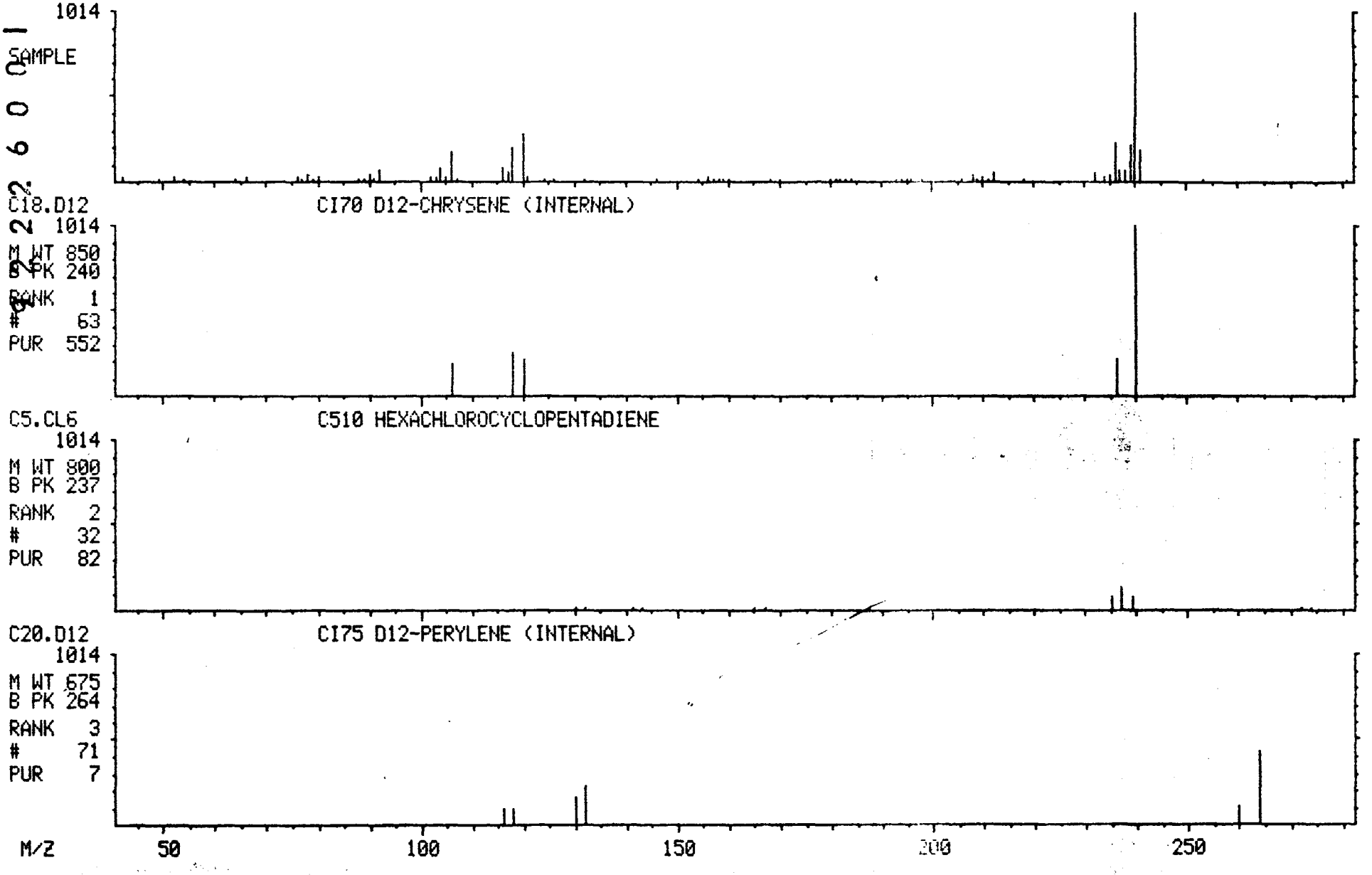
001017
9222600169 3

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 31:09
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02UG01 #3143
CALI: APR02UG01 # 3

BASE M/Z: 240
RIC: 21216.

001018

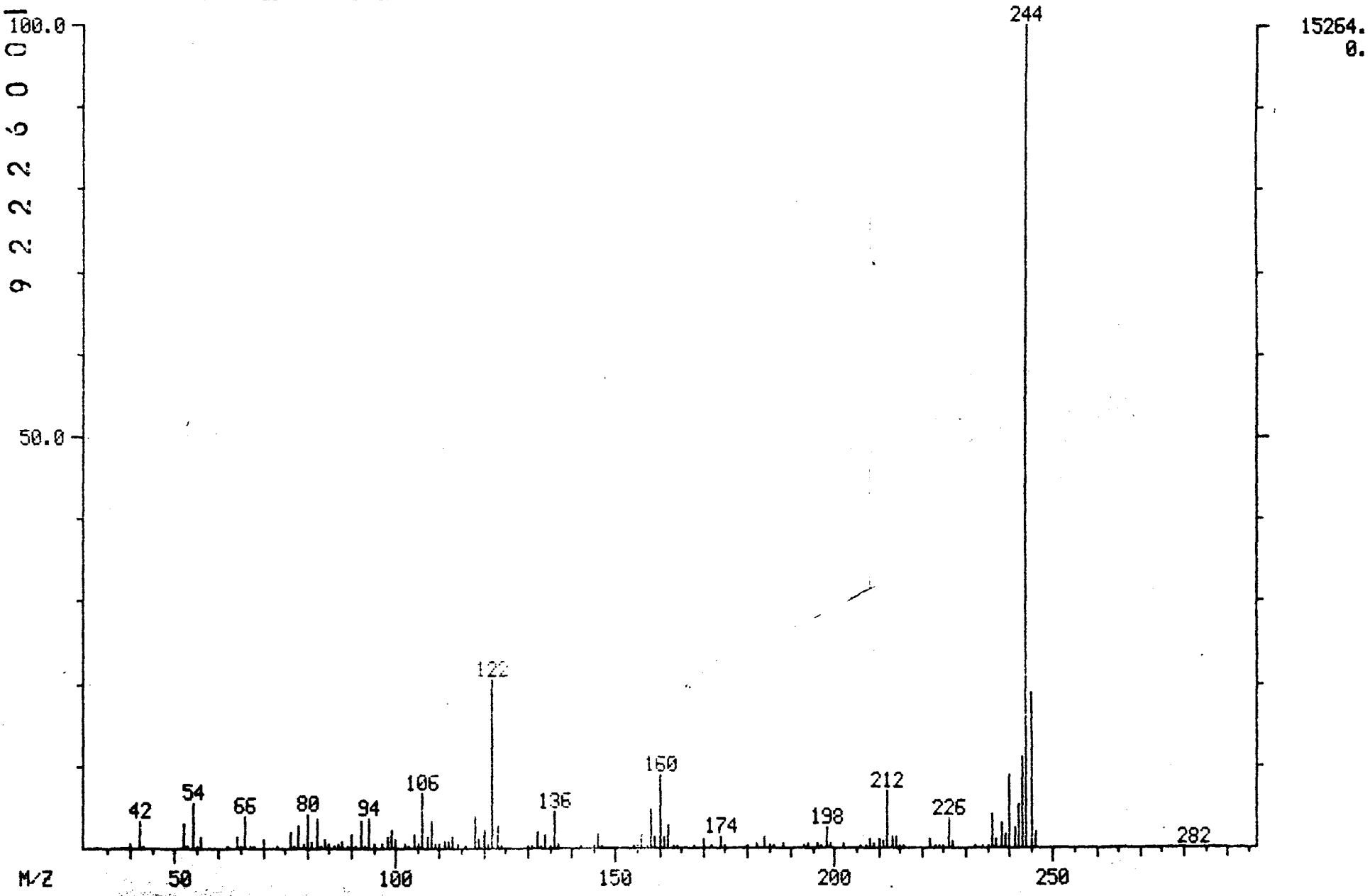


MASS SPECTRUM
04/02/91 15:20:00 + 27:35
SAMPLE: 90895 OH-/H+ CLF 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #2782
CALI: APR02VG01 #3

BASE M/Z: 244
RIC: 50944.

001019

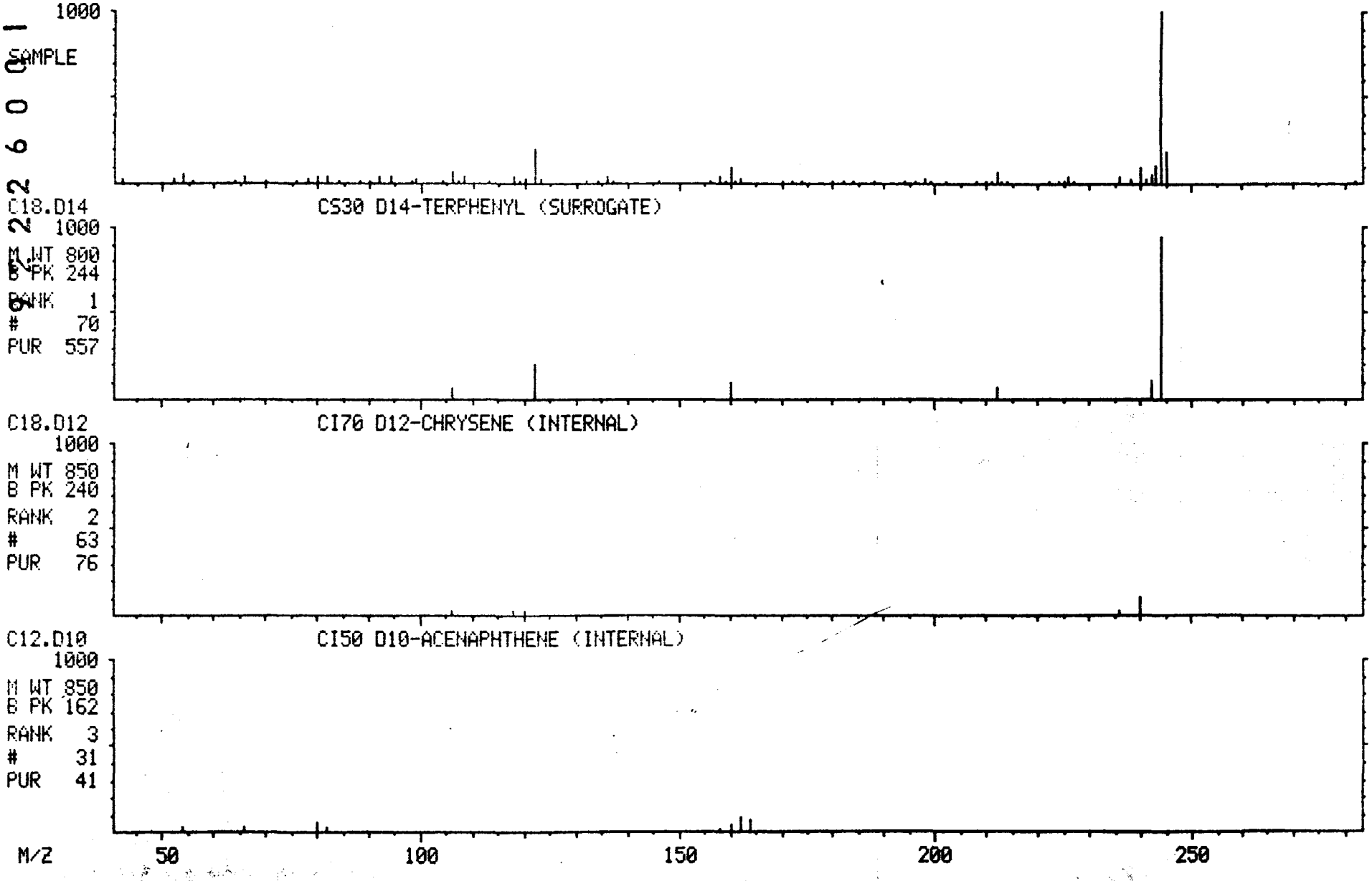


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 15:20:00 + 27:35
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #2782
CALI: APR02VG01 # 3

BASE M/Z: 244
RIC: 46464.

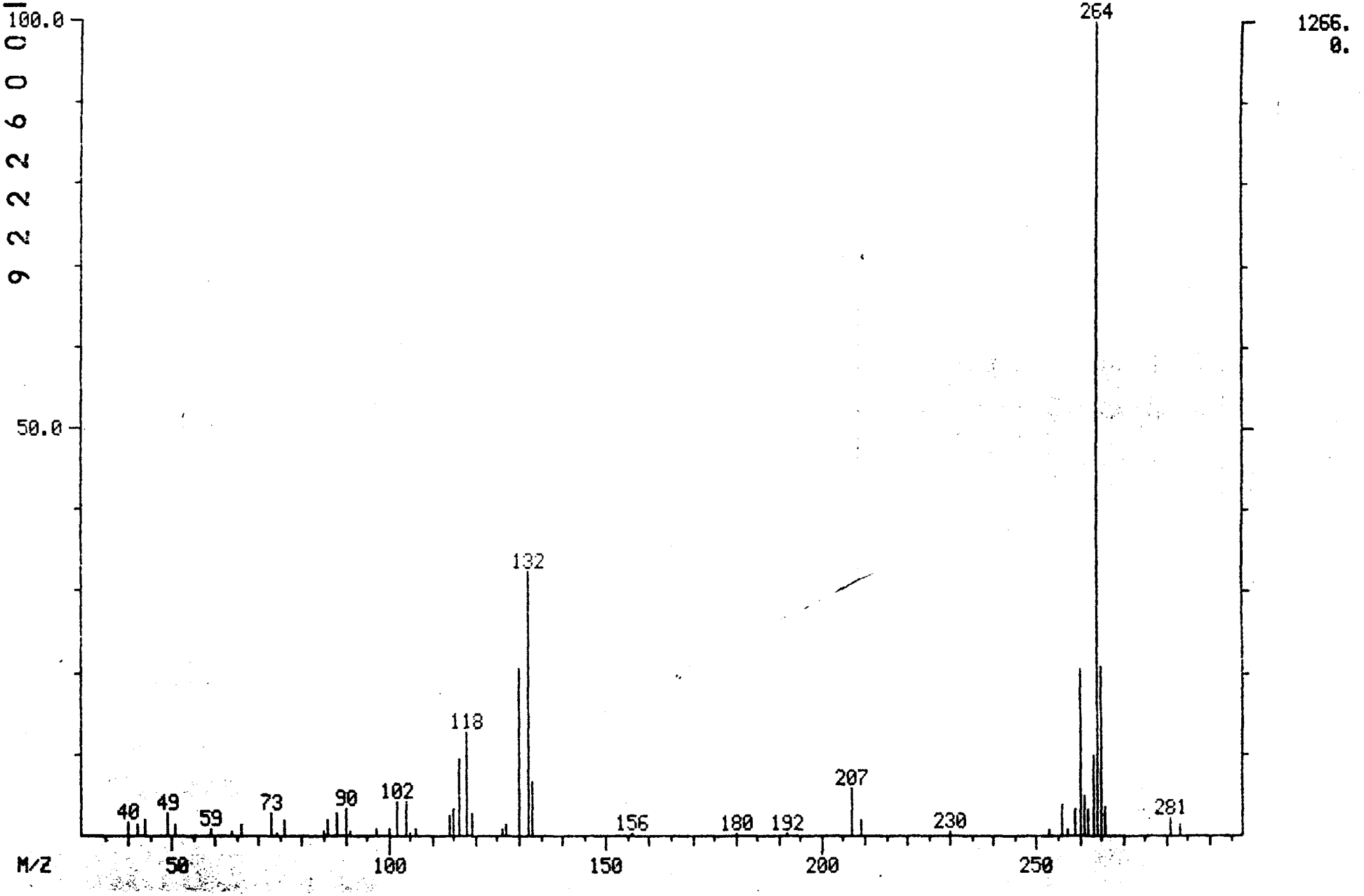
020100



MASS SPECTRUM
04/02/91 15:20:00 + 40:18
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #4066
CALI: APR02VG01 #3

BASE M/Z: 264
RIC: 3992.



9222600016997

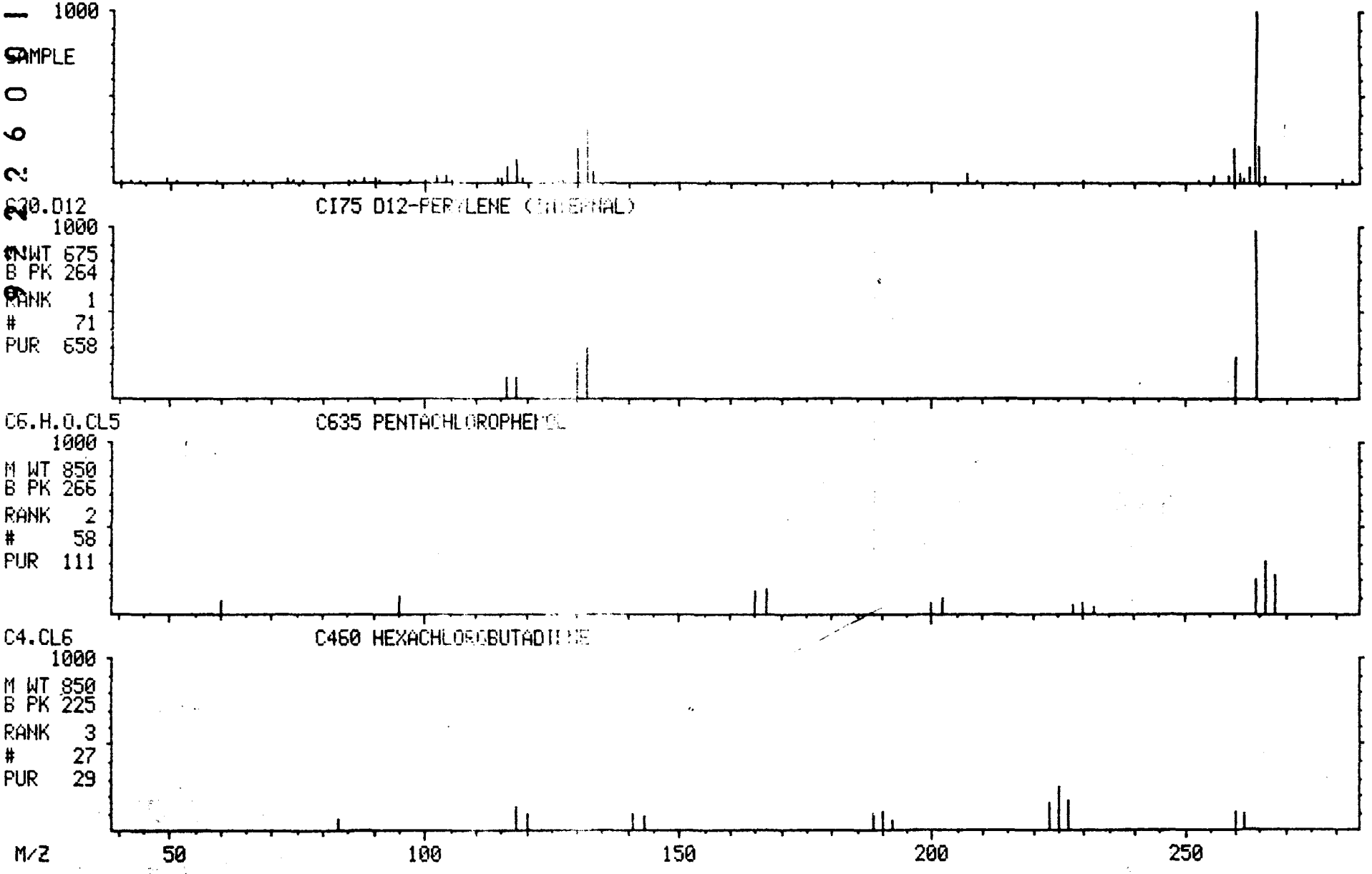
00021

MID LIBRARY SEARCH (LIBRARYSW
04/02/91 15:20:00 + 40:18
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #4066
CALI: APR02VG01 # 3

BASE M/Z: 264
RIC: 3980.

220700



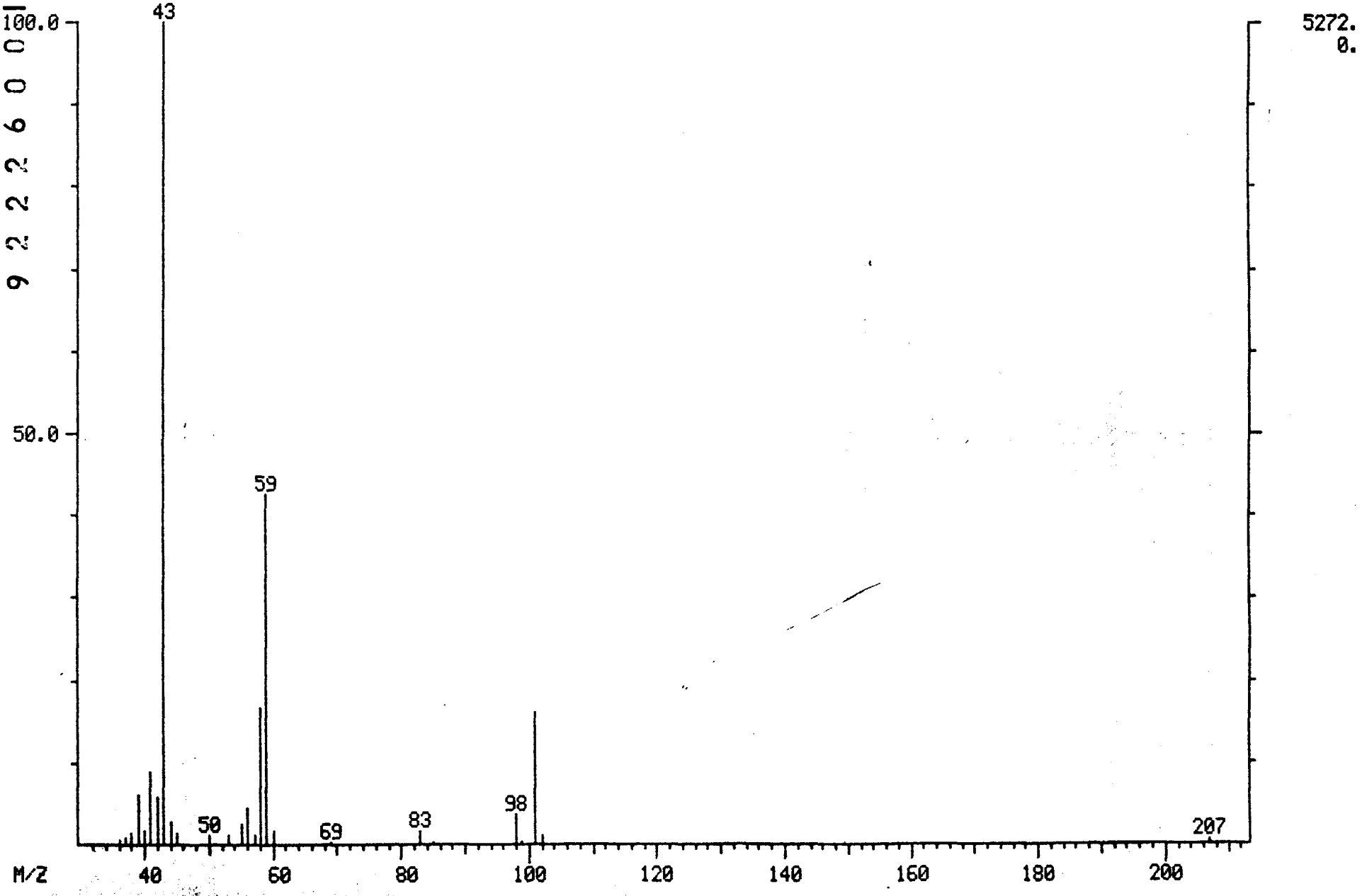
NON-TARGET COMPOUND SPECTRA

9222260010699

MASS SPECTRUM
04/02/91 15:20:00 + 8:05
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #815
CALI: APR02VG01 #3

BASE M/Z: 43
RIC: 11808.

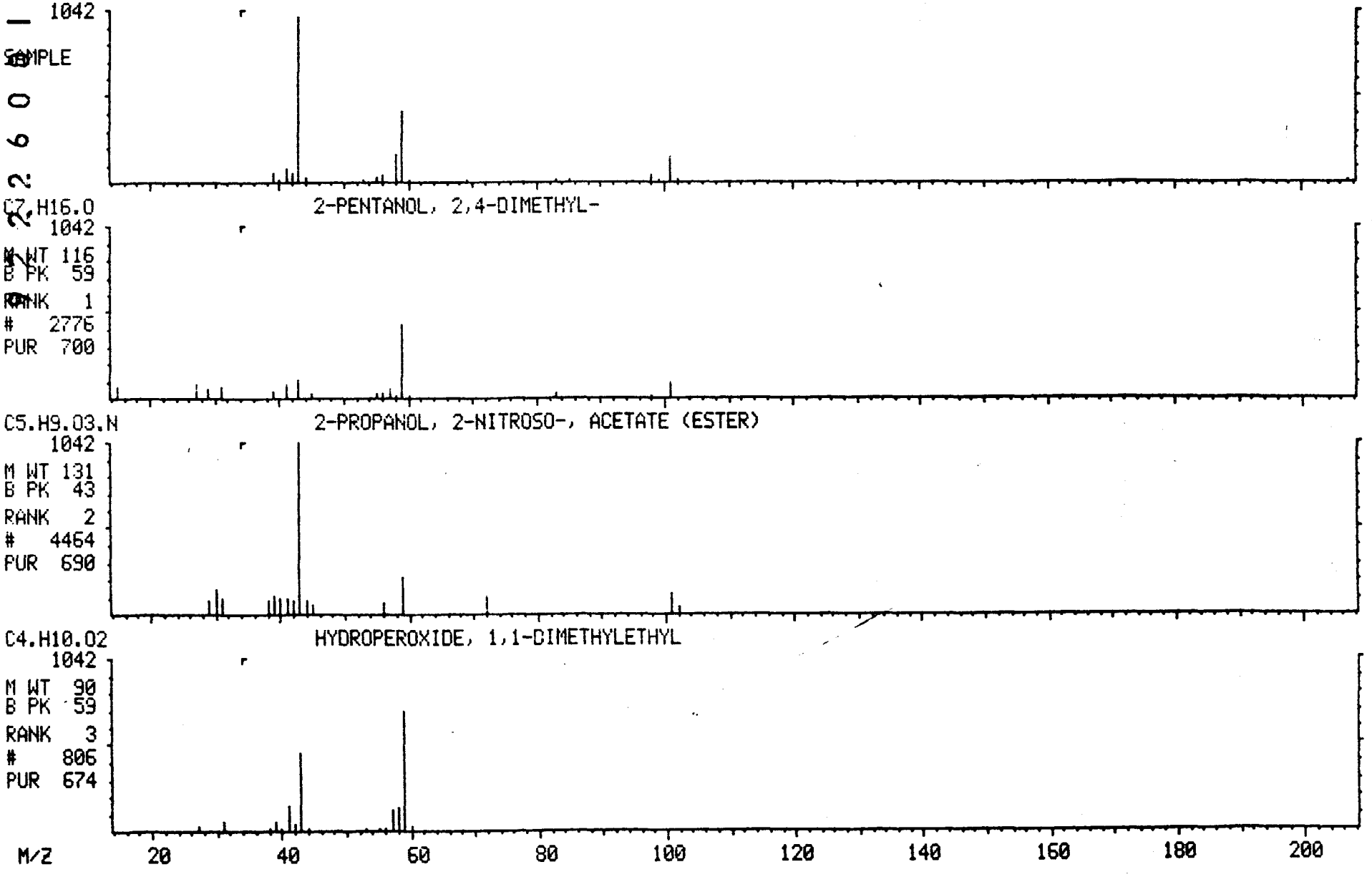


MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 15:20:00 + 8:05
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 # 815
CALI: APR02VG01 # 3

BASE M/Z: 43
RIC: 11472.

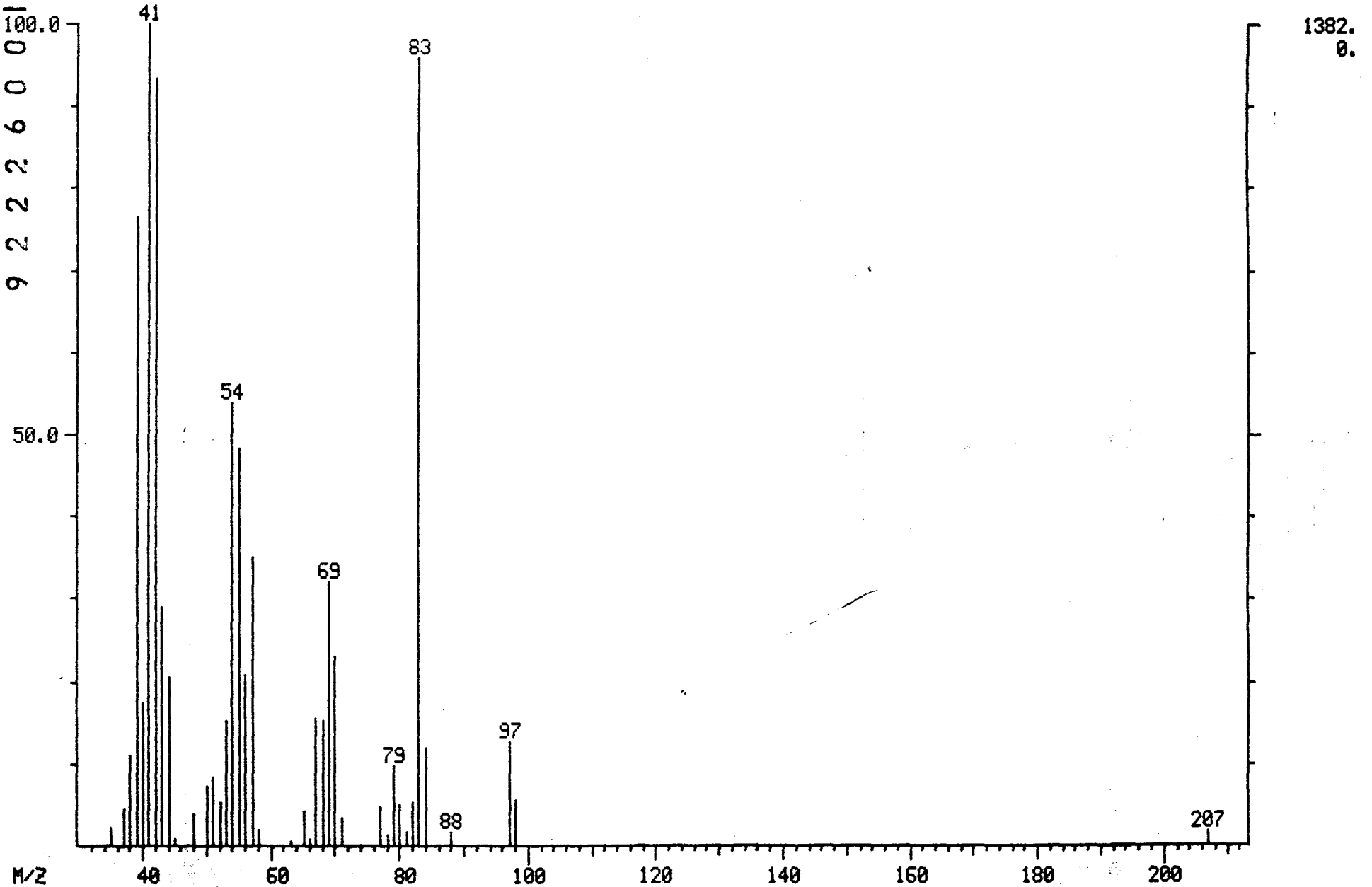
004025



MASS SPECTRUM
04/02/91 15:20:00 + 8:31
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #860
CALI: APR02VG01 #3

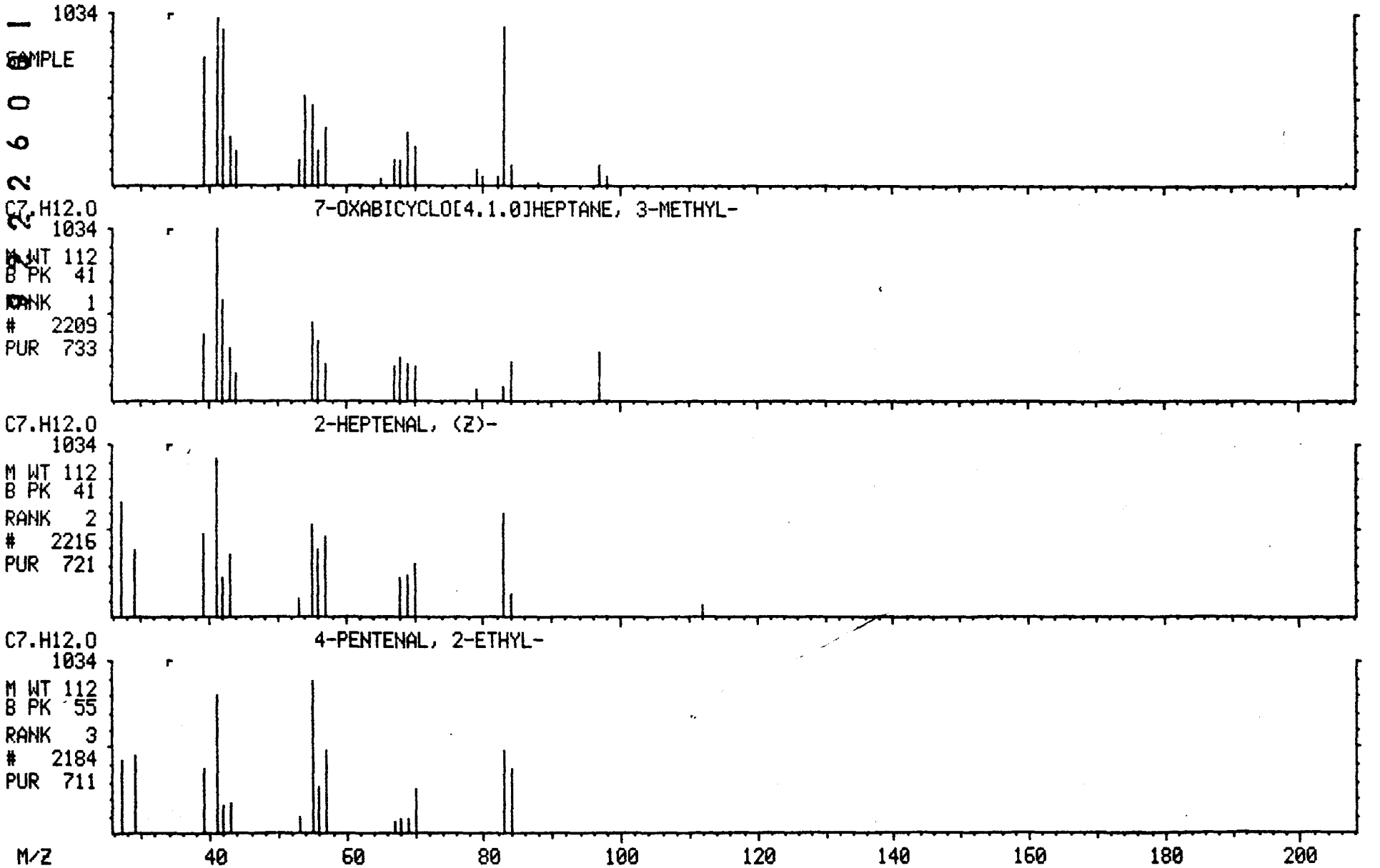
BASE M/Z: 41
RIC: 11152.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 15:20:00 + 8:31
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 # 860
CALI: APR02VG01 # 3

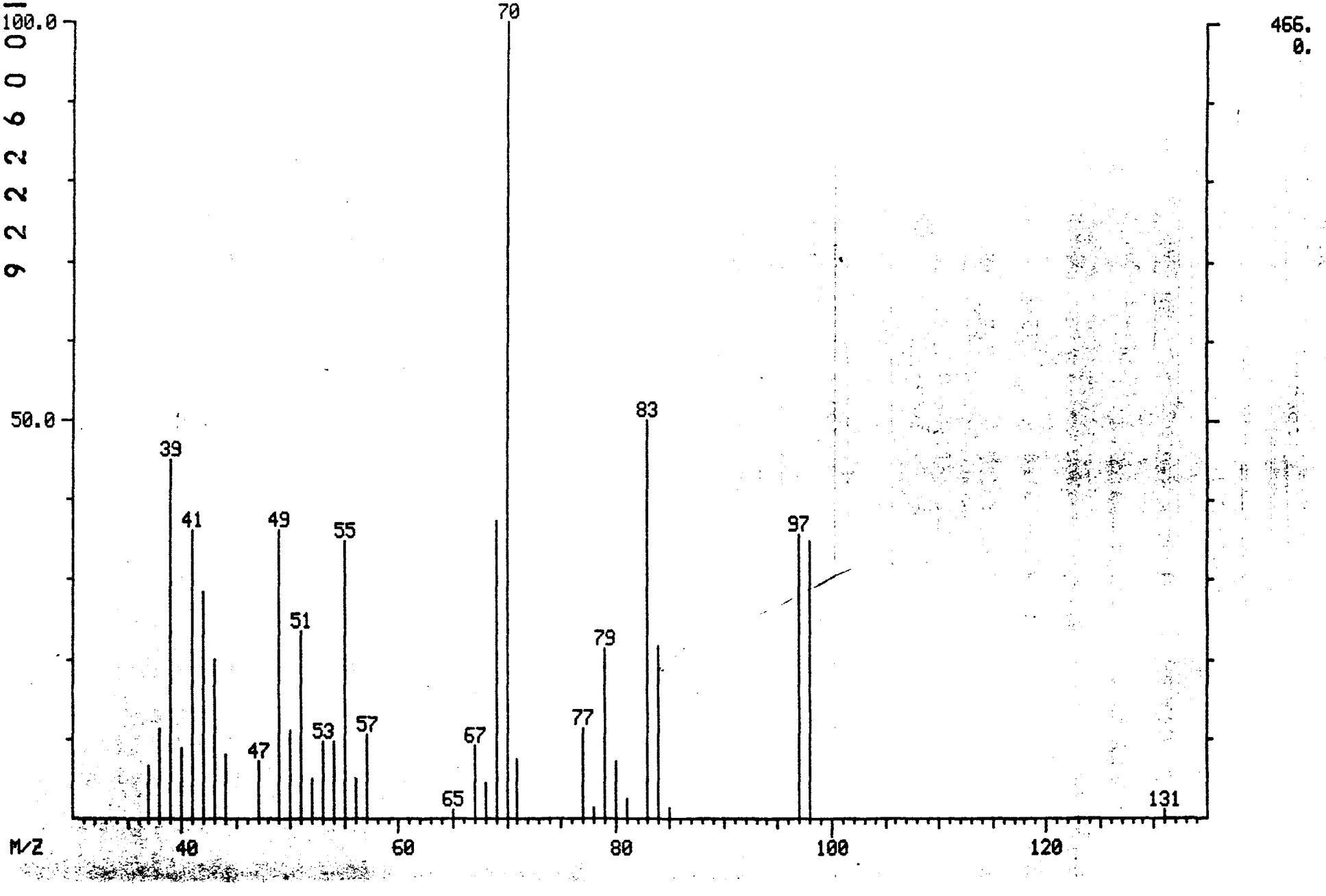
BASE M/Z: 41
RIC: 10112.



MASS SPECTRUM
04/02/91 15:20:00 + 9:11
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 92 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #926
CALI: APR02VG01 #3

BASE M/Z: 70
RIC: 3112.



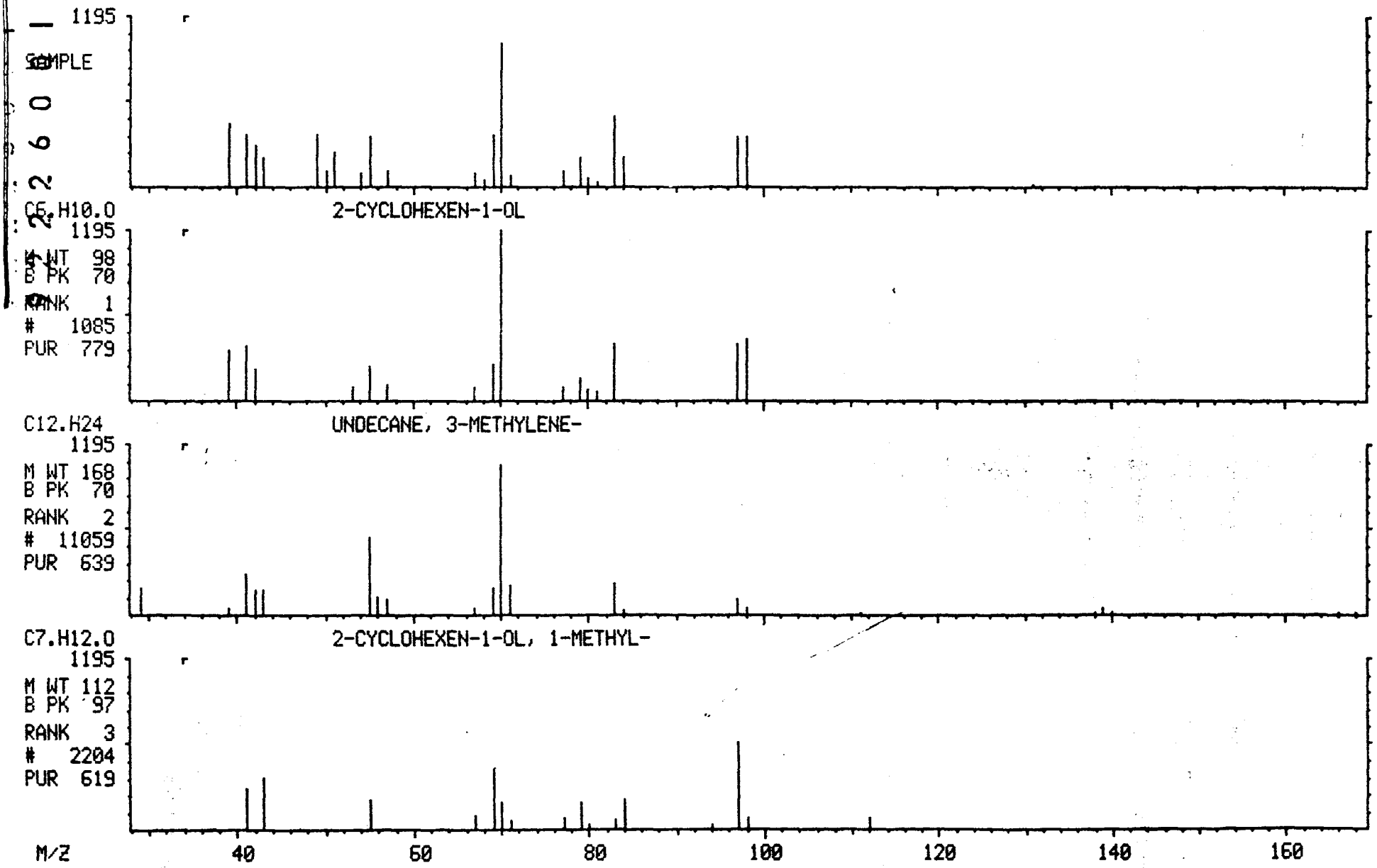
9222260001704

001028

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 15:20:00 + 9:11
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 # 926
CALI: APR02VG01 # 3

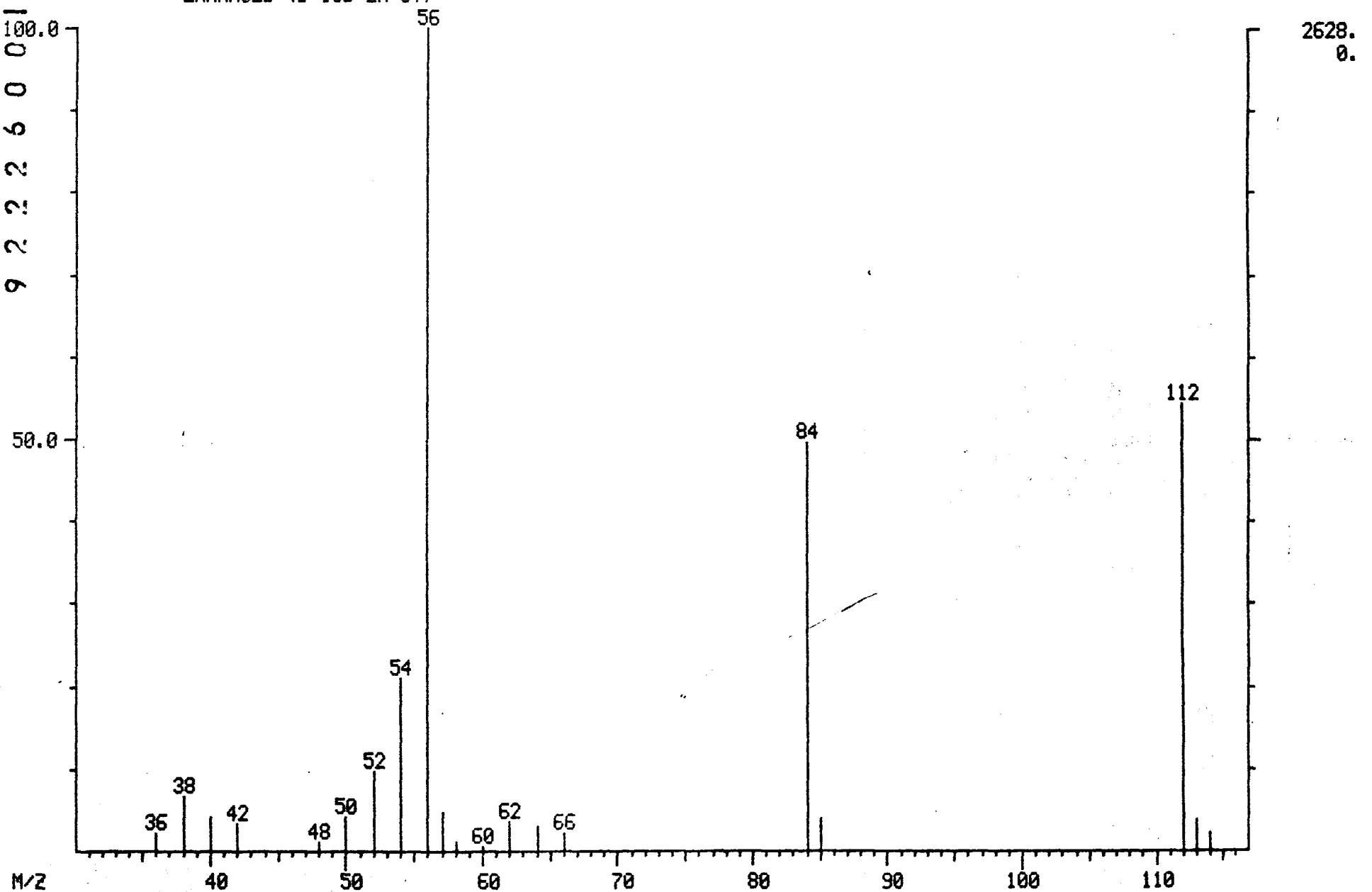
BASE M/Z: 70
RIC: 2800.



MASS SPECTRUM
04/02/91 15:20:00 + 9:48
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #989
CALI: APR02VG01 #3

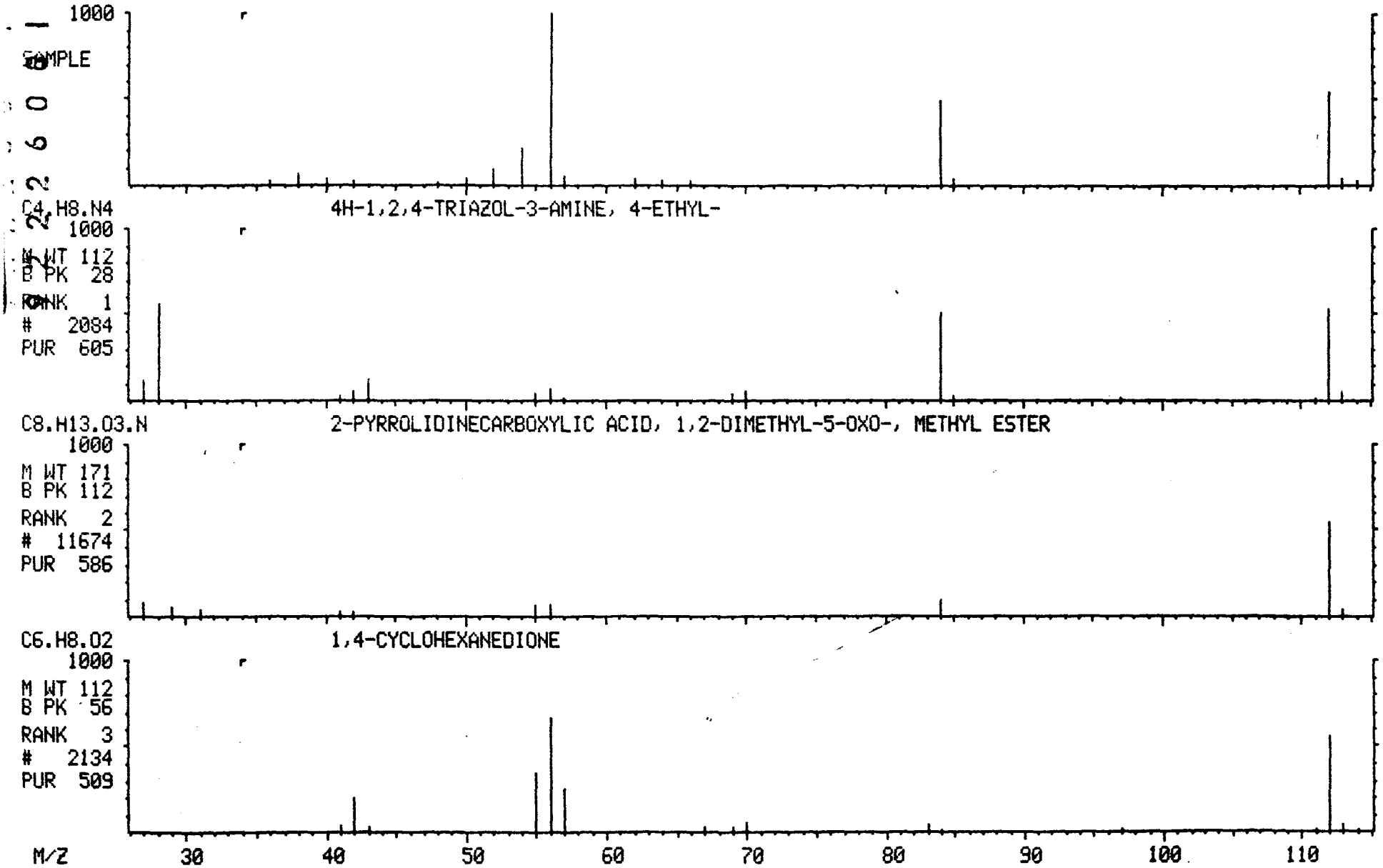
BASE M/Z: 56
RIC: 7400.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 15:20:00 + 9:48
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 # 989
CALI: APR02VG01 # 3

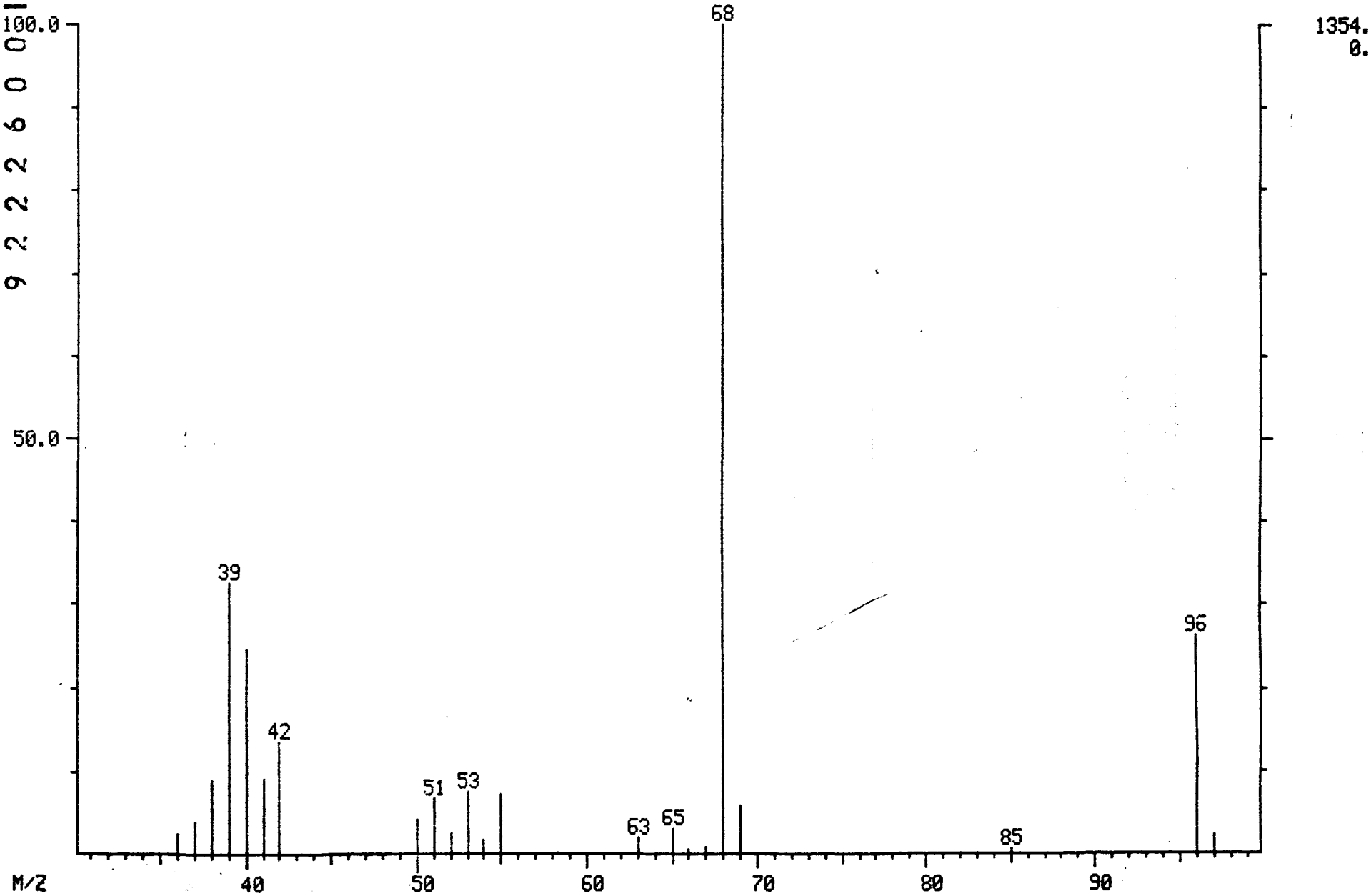
BASE M/Z: 56
RIC: 7352.



MASS SPECTRUM
04/02/91 15:20:00 + 10:10
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1025
CALI: APR02VG01 #3

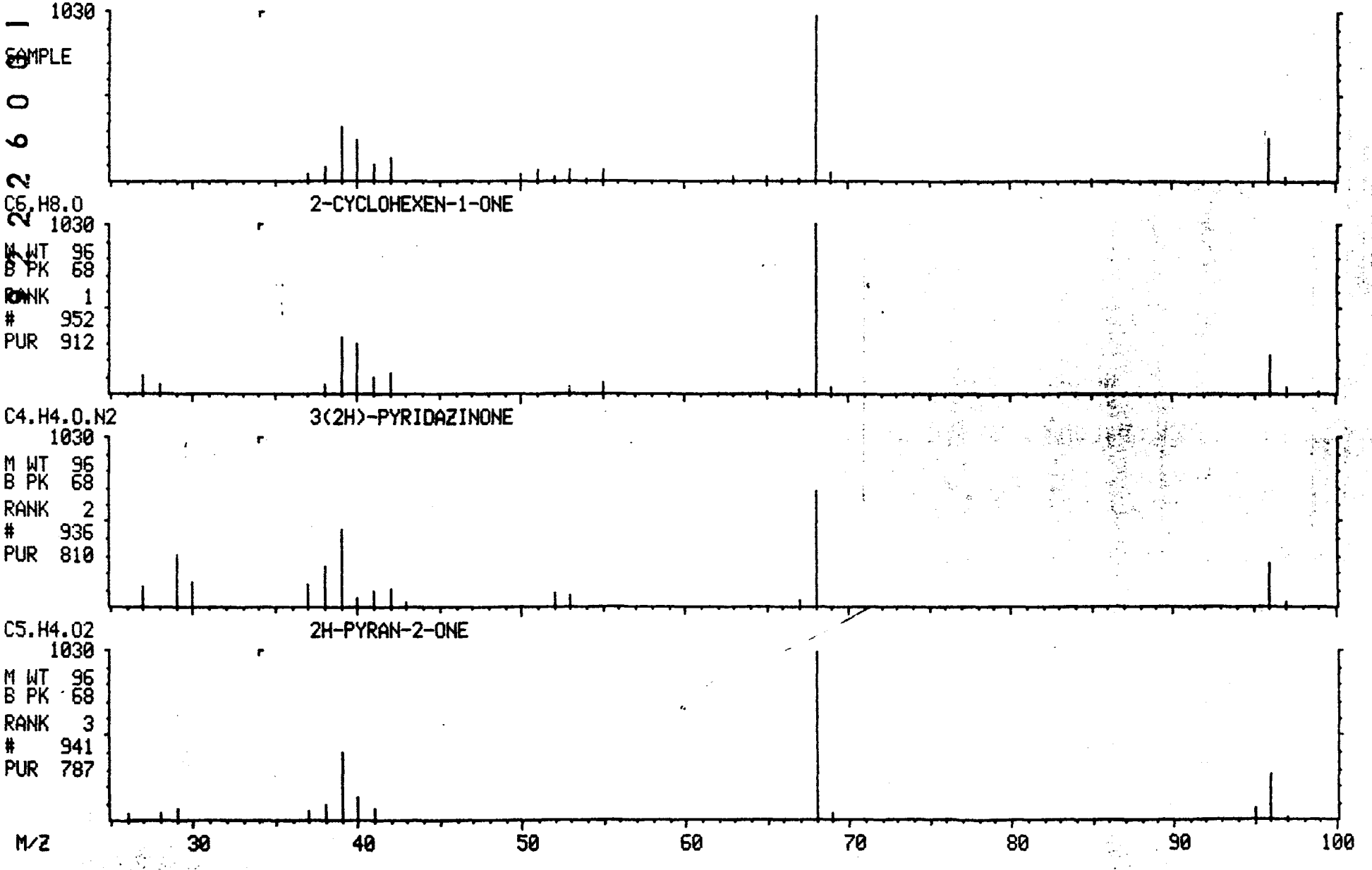
BASE M/Z: 68
RIC: 3616.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 15:20:00 + 10:10
SAMPLE: 90895 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG01 #1025
CALI: APR02VG01 # 3

BASE M/Z: 68
RIC: 3580.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

9222600017104

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

G203

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G203

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190896

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK05

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 9

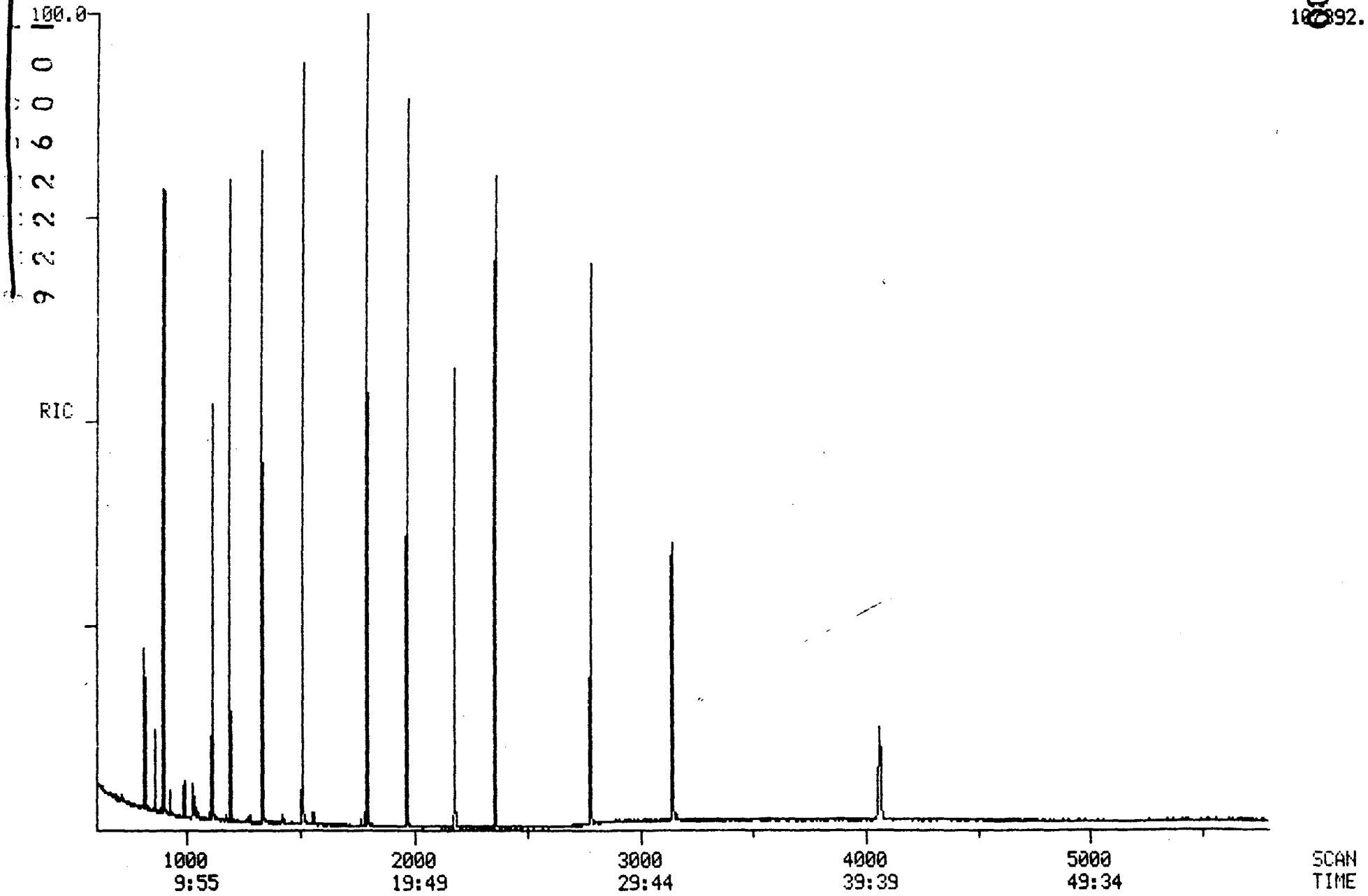
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.07	8.2	BAJ
2.	UNKNOWN	8.52	4.1	BJ
3.	UNKNOWN	9.17	1.3	J
4.	UNKNOWN	9.80	2.2	BAJ
5.	UNKNOWN ALIP. KETONE	10.17	1.7	J
6.	UNKNOWN ALIP. ACID	10.24	1.2	J
7.	UNKNOWN	12.69	0.47	J
8.	UNKNOWN	15.45	0.74	J
9.	UNKNOWN	31.36	0.39	J

G203

RIC
04/02/91 13:06:00
SAMPLE: 90896 OH-/H+ 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: APR02GK05 #1 SCANS 600 TO 5800
CALI: APR02GK05 #3



92226001713

001037

10892.

4/2/91 13:06:09
Acquisition started

4/2/91 13:06:12
Acquire Run 2:APR02GK05 Starting
04/02/91 13:06:00 + 0:00 Free sectors: 7367 Scan: 0 of 5800
Sample: 90896 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No:

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

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total		
					Injector A :	260 Deg C
1	40- 40	-	4.0	4.0	GC oven :	40 Deg C
2	40-280	10.0	24.0	28.0	Transfer-line:	269 Deg C
3	280-280	-	32.0	60.0	Ion source :	180 Deg C

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

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

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

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

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

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

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

Int #	Lo mass	Hi mass	Time
1	34.510	450.635	1.000

Calibration table: 1:CALTAB

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

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

Current instrument parameters.

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

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

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

4/2/91 14:04:52
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	7.7	3449.4	0.2	108062. 19.	31.

001039

Quantitation Report File: APR02GK05

Data: APR02GK05.TI
04/02/91 13:06:00
Sample: 90896 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: 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	CS43 2,6-DINITROTOLUENE
45	C570 2,4-DINITROTOLUENE
46	C580 DIETHYLPHTHALATE
47	C585 4-CHLOROPHENYL PHENYL ETHER

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1192	11:49	1	1.000	A BB	61852.	40.000 UG/L	6.03
2	NOT FOUND								
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	897	8:53	1	0.753	A BB	72682.	51.187 %	7.71
15	99	1114	11:03	1	0.935	A BB	51134.	34.236 %	5.16
16	136	1512	14:59	16	1.000	A BB	141770.	40.000 UG/L	6.03
17	77	1333	13:13	16	0.882	A BB	366.	~~0.220 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	1333	13:13	16	0.882	A BV	91032.	89.355 %	13.46
31	162	1972	19:33	31	1.000	A BB	65524.	40.000 UG/L	6.03
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	149	2092	20:44	31	1.061	A BB	32.	~~0.013 UG/L~~	0.00
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1795	17:48	31	0.910	A BV	107314.	90.436 %	13.63

Quantitation Report File: APR02GK05

Data: APR02GK05.TI
04/02/91 13:06:00
Sample: 90896 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

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

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	C531 AZOBENZENE
62	C715 PYRENE
63	C415 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	2180	21:37	31	1.105	A BB	18200.	62.286 %	9.38
52	188	2359	23:23	52	1.000	A BV	98628.	40.000 UG/L	6.03
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2365	23:27	52	1.003	A BB	56.	~~0.019 UG/L~~	0.00
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								
63	NOT FOUND								
64	240	3143	31:09	64	1.000	A BB	65290.	40.000 UG/L	6.03
65	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3163	31:21	64	1.006	A BB	1340.	~~0.895 UG/L~~	0.13
69	NOT FOUND								
70	244	2782	27:35	64	0.885	A BB	80856.	95.160 %	14.34
71	264	4064	40:17	71	1.000	A BB	42235.	40.000 UG/L	6.03
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222260001719

Quantitation Report File: APR02GK05A

Data: APR02GK05.TI
04/02/91 13:06:00
Sample: 90896 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.082
Resp. fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	822-67-3	2-CYCLOHEXEN-1-OL
4	42786-06-1	4H-1,2,4-TRIAZOL-3-AMINE, 4-ETHYL-
5	930-68-7	2-CYCLOHEXEN-1-ONE
6	109-52-4	PENTANOIC ACID
7	931-17-9	1,2-CYCLOHEXANEDIOL
8	1112-35-2	1,4-PENTADIENE, 3,3-DIMETHYL-
9	603-11-2	1,2-BENZENEDICARBOXYLIC ACID, 3-NITRO-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	814	8:04	1	1.000	A BB	72172.UNK	8.200BA	40.13
2	RIC	859	8:31	1	1.055	A BB	36357.UNK	4.131B	20.21
3	RIC	925	9:10	1	1.136	A BB	11434.UNK	1.299	6.36
4	RIC	988	9:48	1	1.214	A BB	19797.UNK	2.249	11.01
5	RIC	1025	10:10	1	1.259	A BV	15087 Mg Ketone	1.714BA	8.39
6	RIC	1032	10.14	1	1.268	A VV	10840 Mg acid	1.232	6.03
7	RIC	1279	12:41	1	1.571	A BB	4160.UNK	0.473	2.31
8	RIC	1558	15:27	1	1.914	A BB	6558.UNK	0.745	3.65
9	RIC	3163	31.21	1	3.886	A BB	3454.UNK	0.392	1.92

$$\frac{72172}{350378} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.082.$$

9222600017211

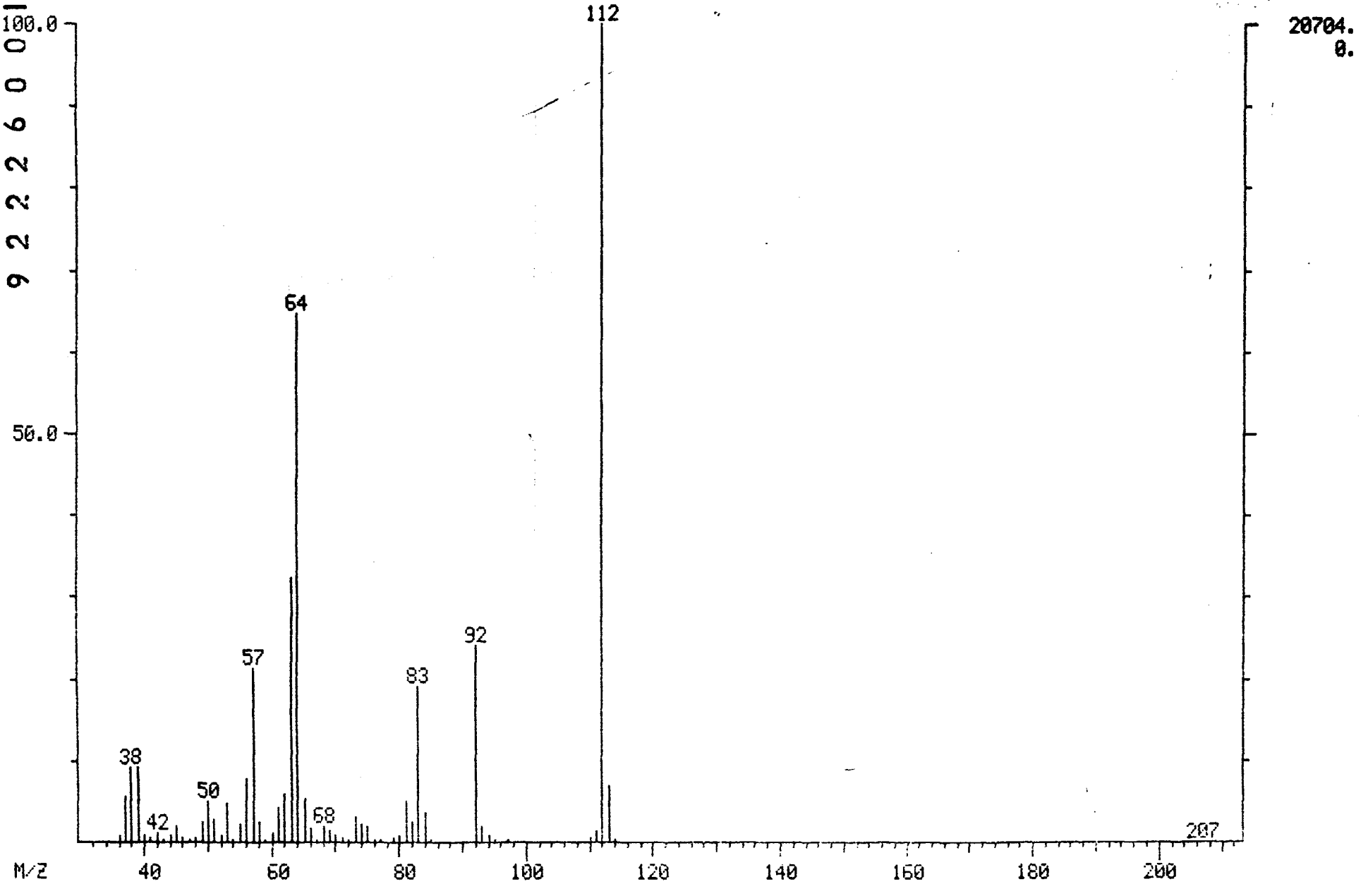
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 13:06:00 + 8:53
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #897
CALI: APR02GK05 #3

BASE M/Z: 112
RIC: 78080.

001046

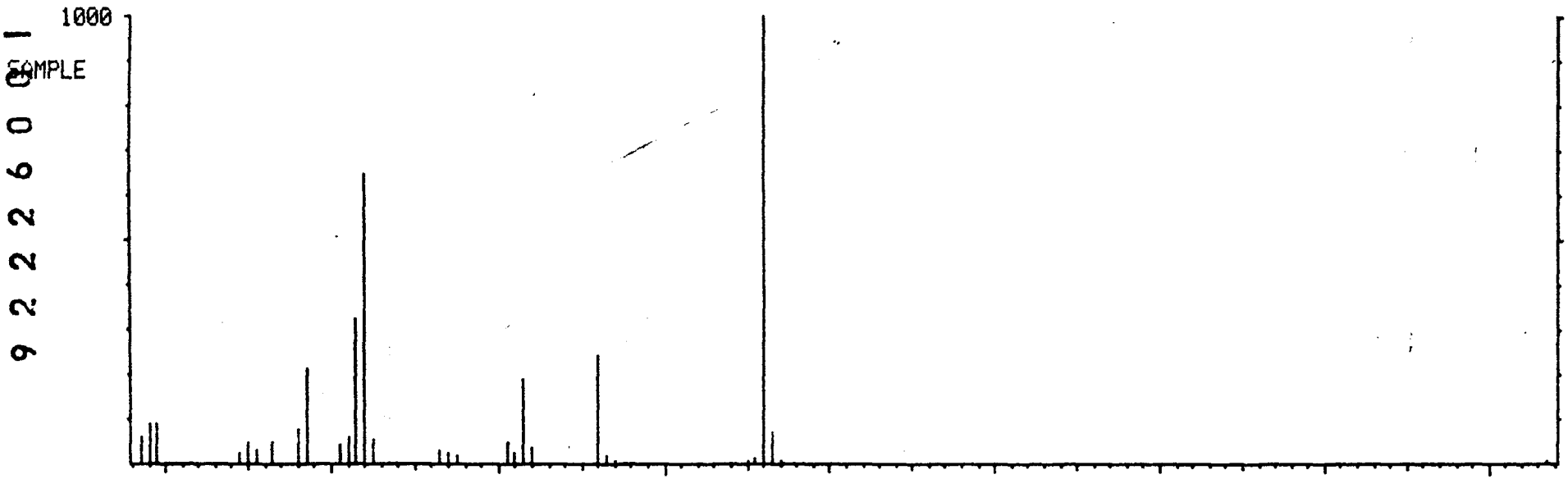


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 8:53
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

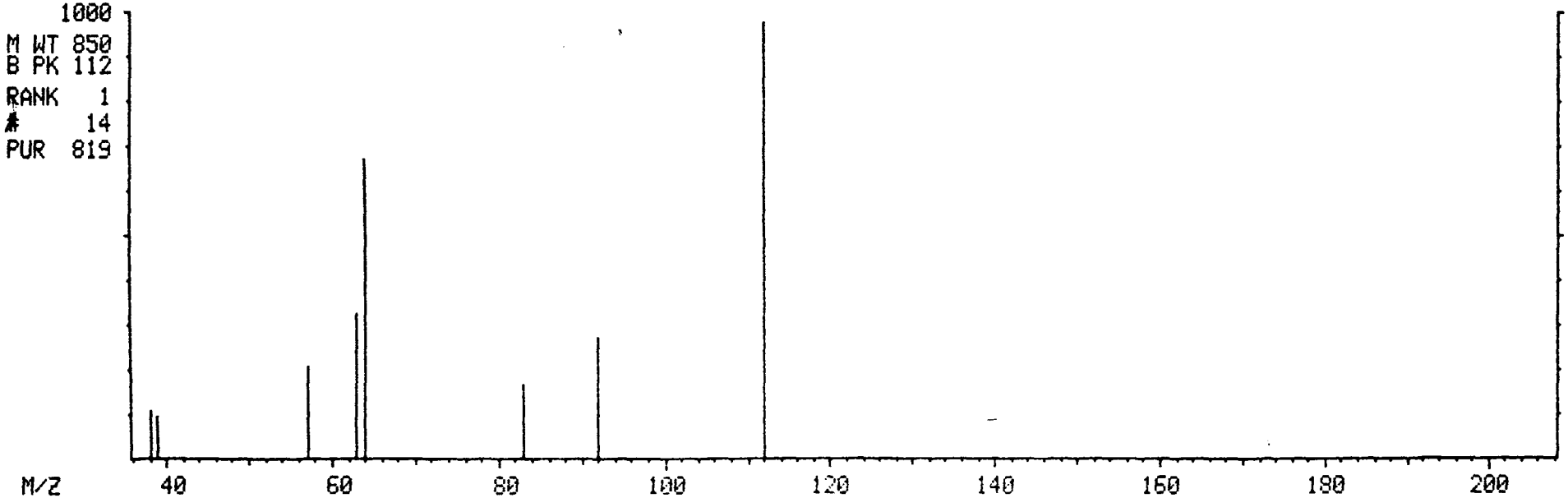
DATA: APR02GK05 # 897
CALI: APR02GK05 # 3

BASE M/Z: 112
RIC: 73088.

001027



C6.H5.O.F
C550 2-FLUOROPHENOL (SURROGATE)

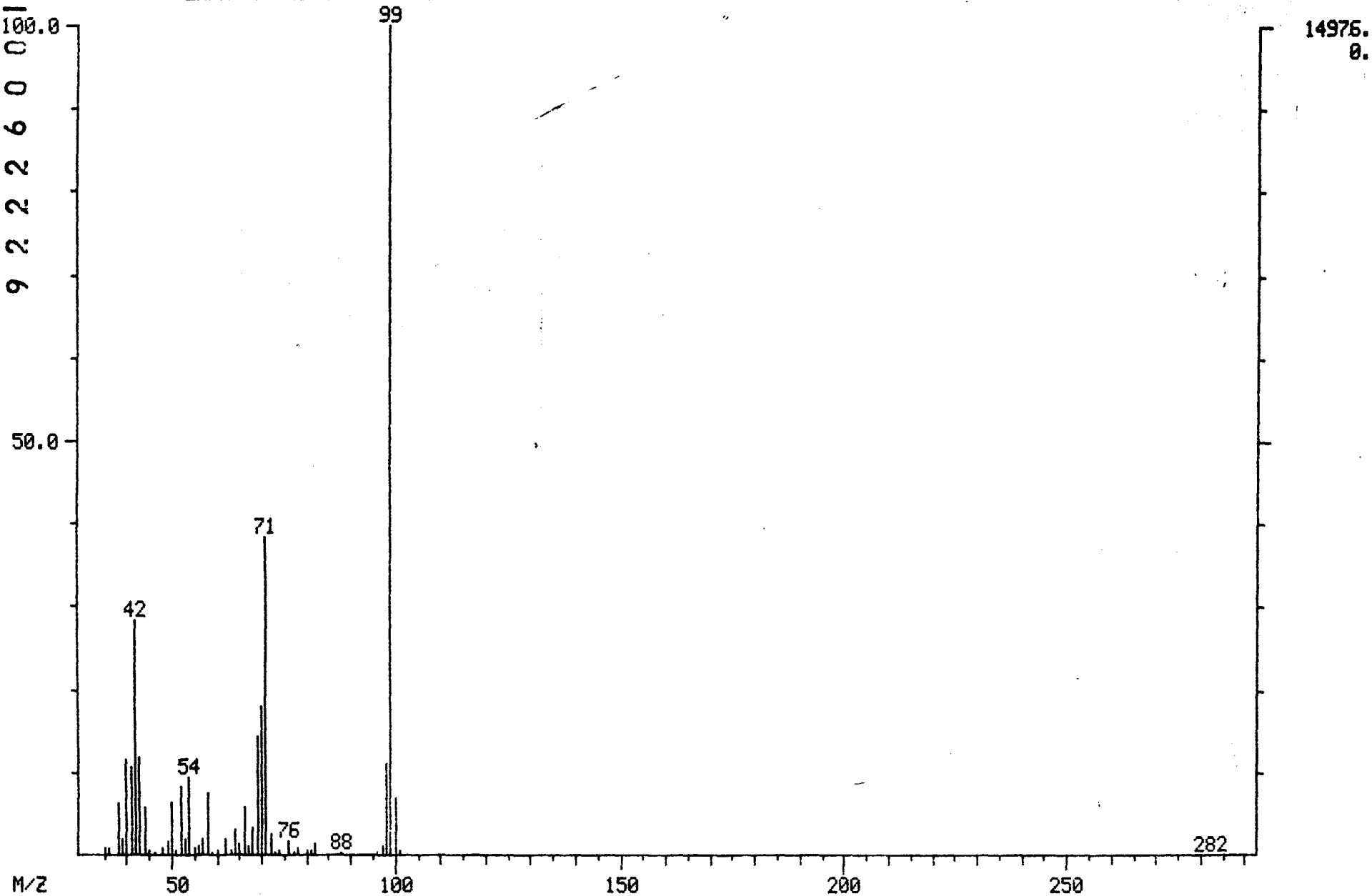


MASS SPECTRUM
04/02/91 13:06:00 + 11:03
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1114
CALI: APR02GK05 #3

BASE M/Z: 99
RIC: 50496.

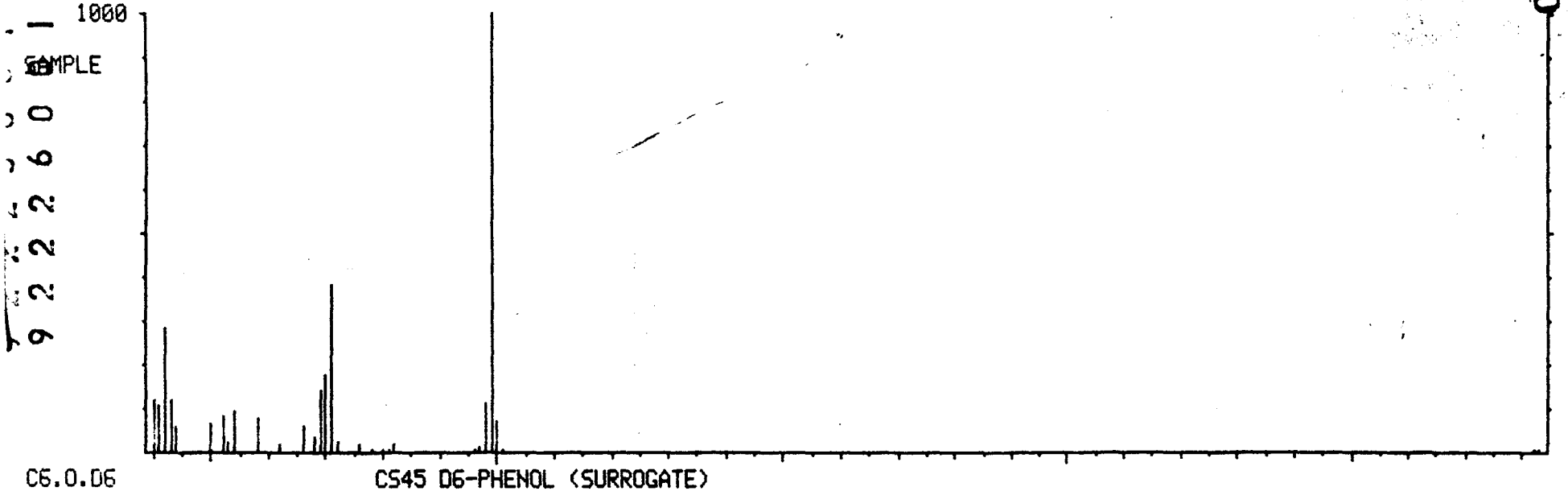
001048



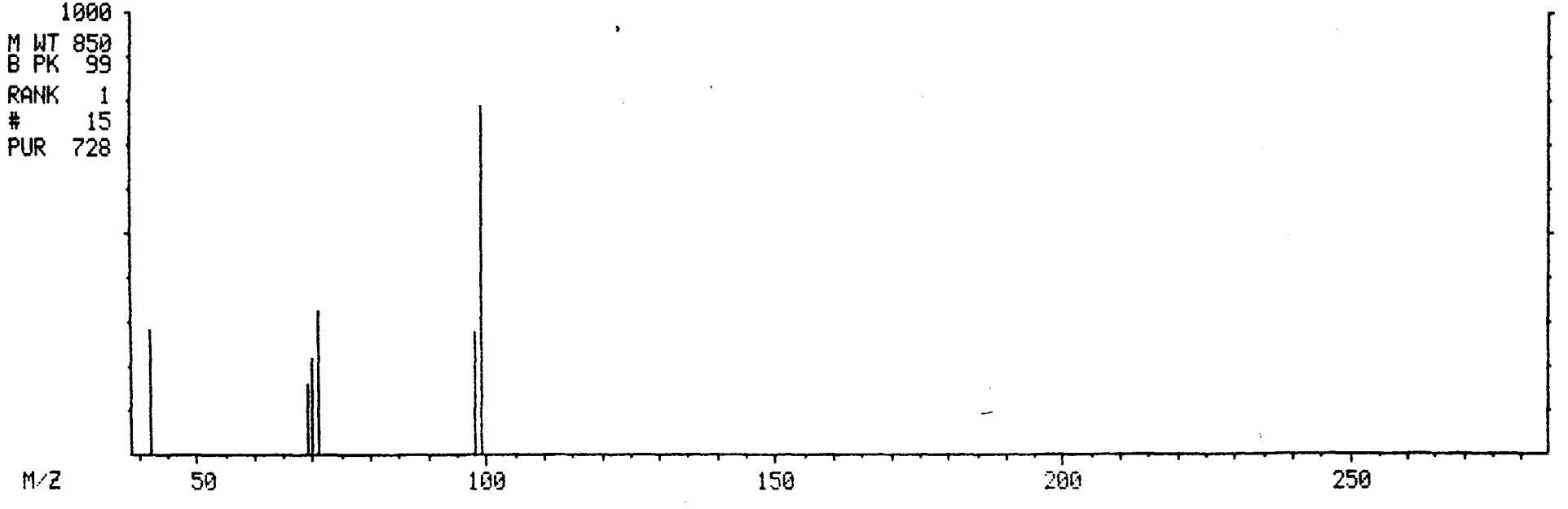
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 11:03
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1114
CALI: APR02GK05 # 3

BASE M/Z: 99
RIC: 46592.



C6.0.06 CS45 D6-PHENOL (SURROGATE)



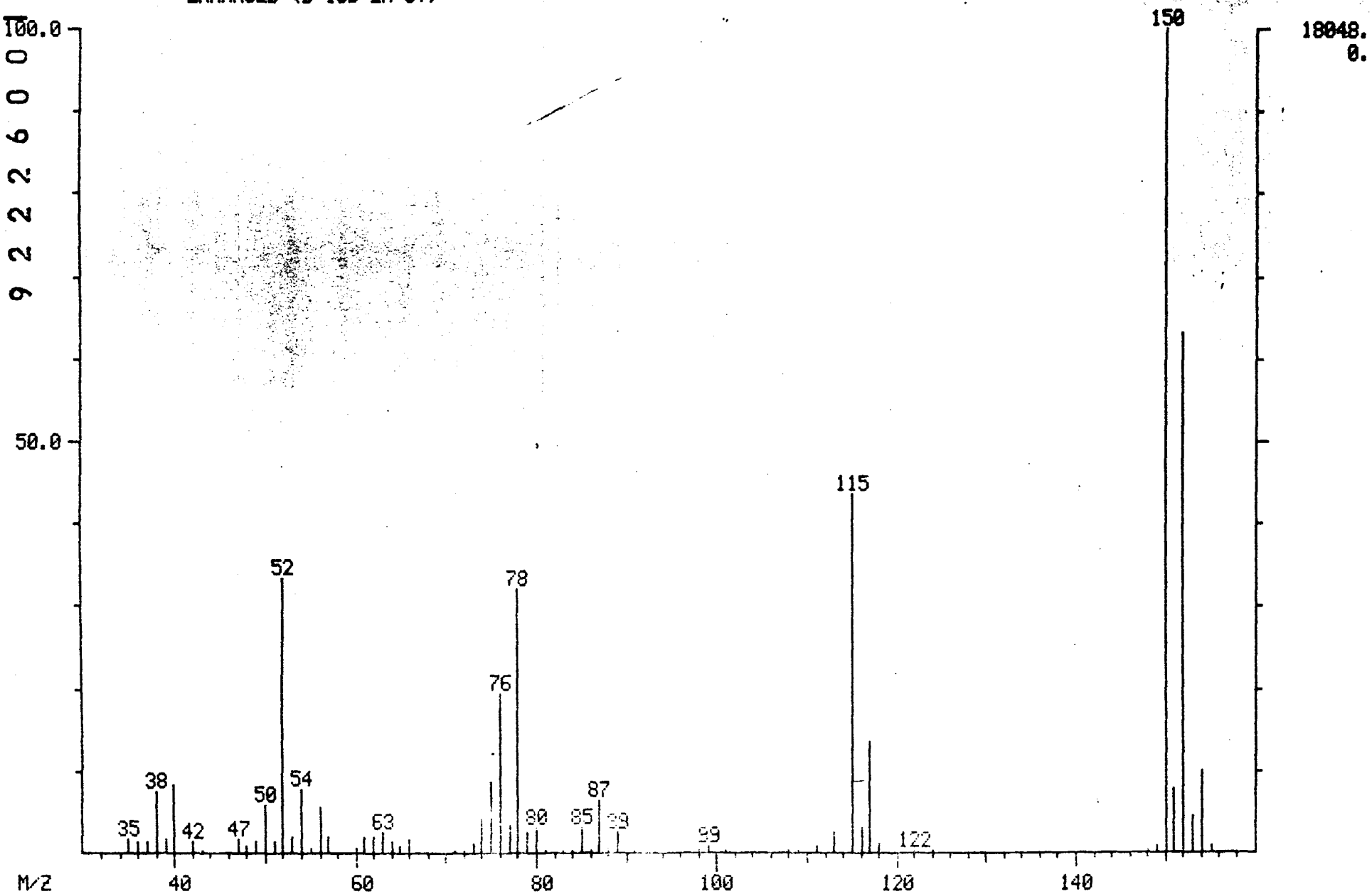
9222601725

670100

MASS SPECTRUM
04/02/91 13:06:00 + 11:49
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 118 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1192
CALI: APR02GK05 #3

BASE M/Z: 150
RIC: 79232.



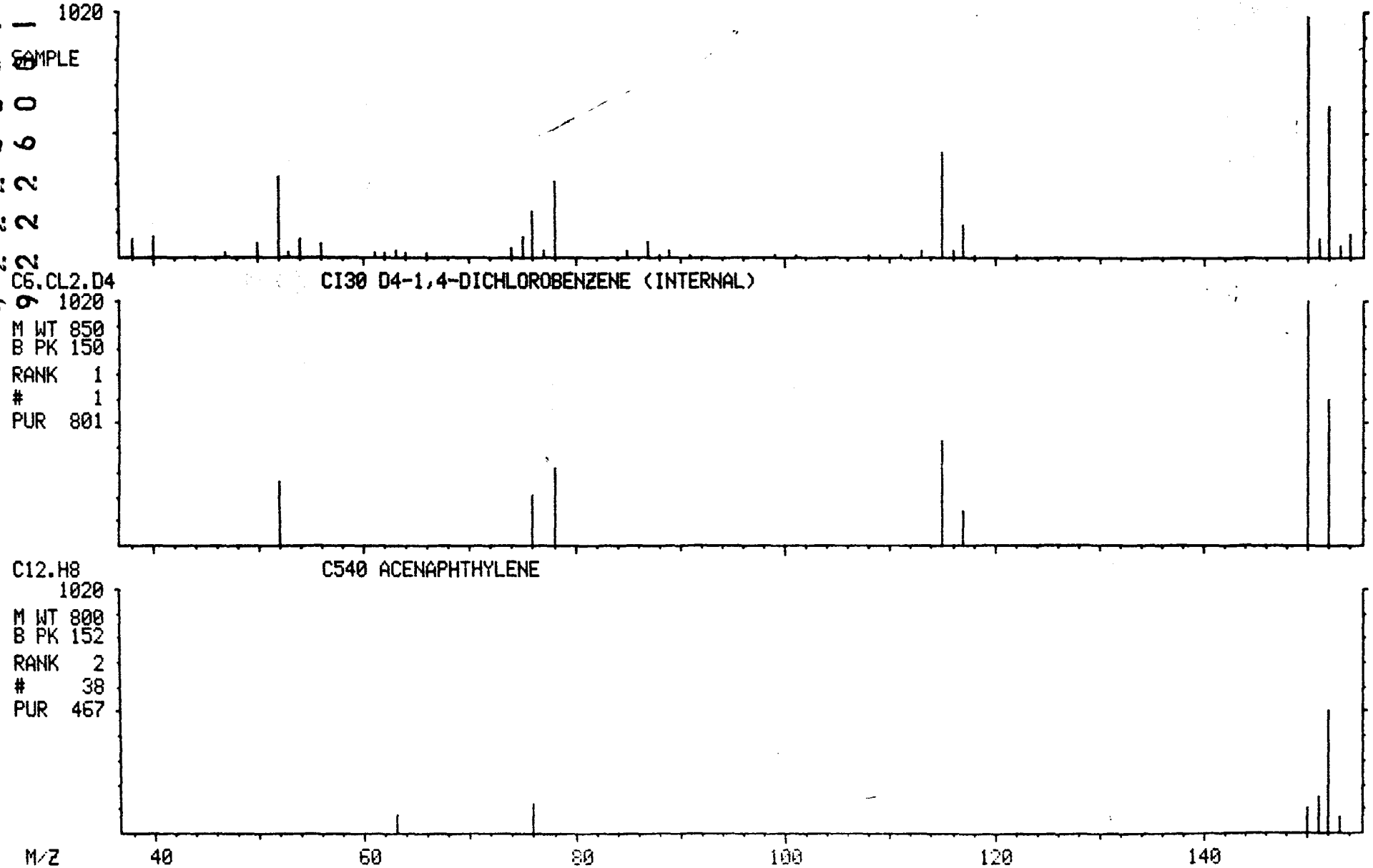
9222260007 26
001050

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 11:49
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1192
CALI: APR02GK05 # 3

BASE M/Z: 150
RIC: 74496.

001051

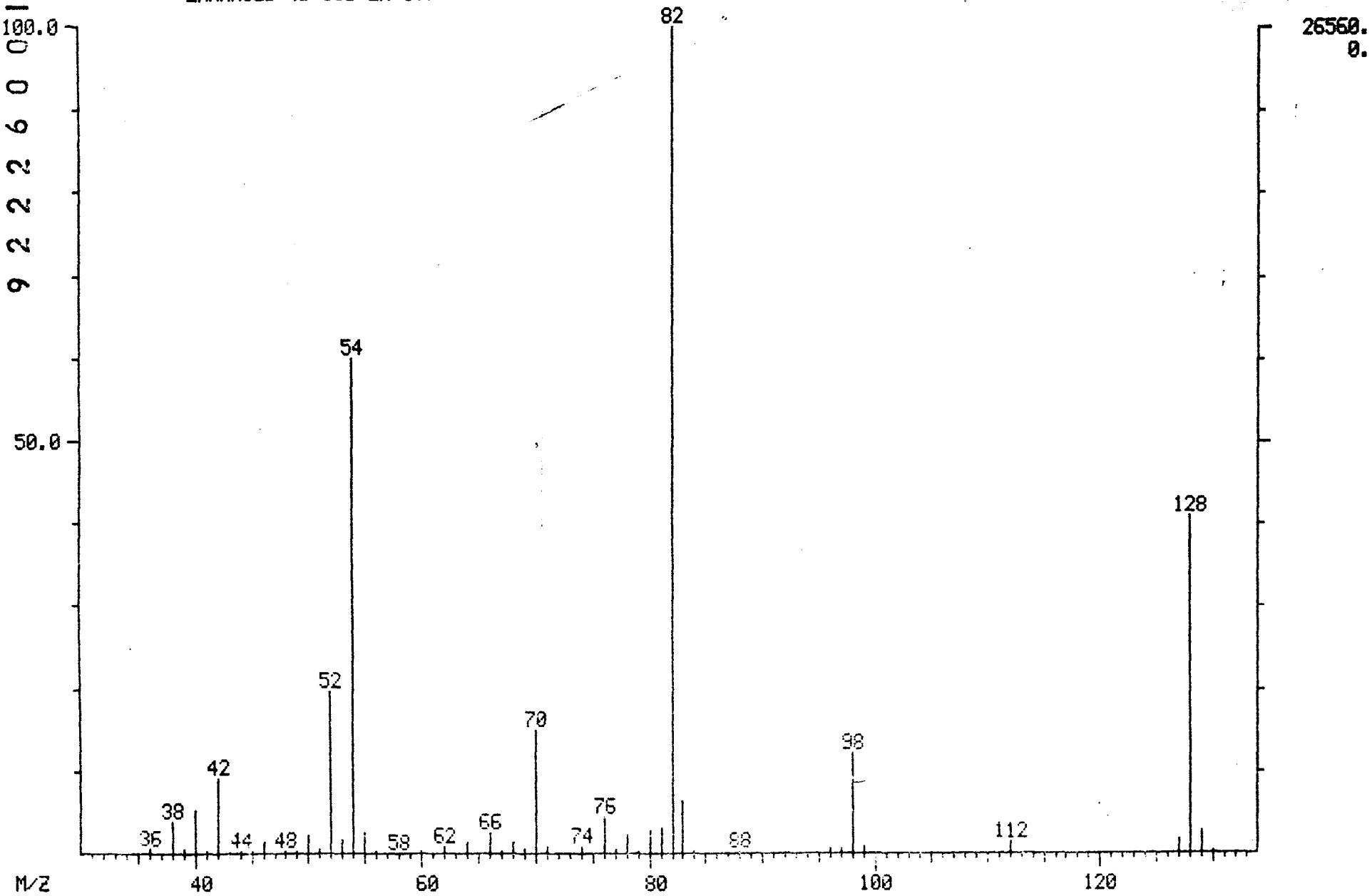


MASS SPECTRUM
04/02/91 13:06:00 + 13:13
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 132 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1333
CALI: APR02GK05 #3

BASE M/Z: 82
RIC: 83328.

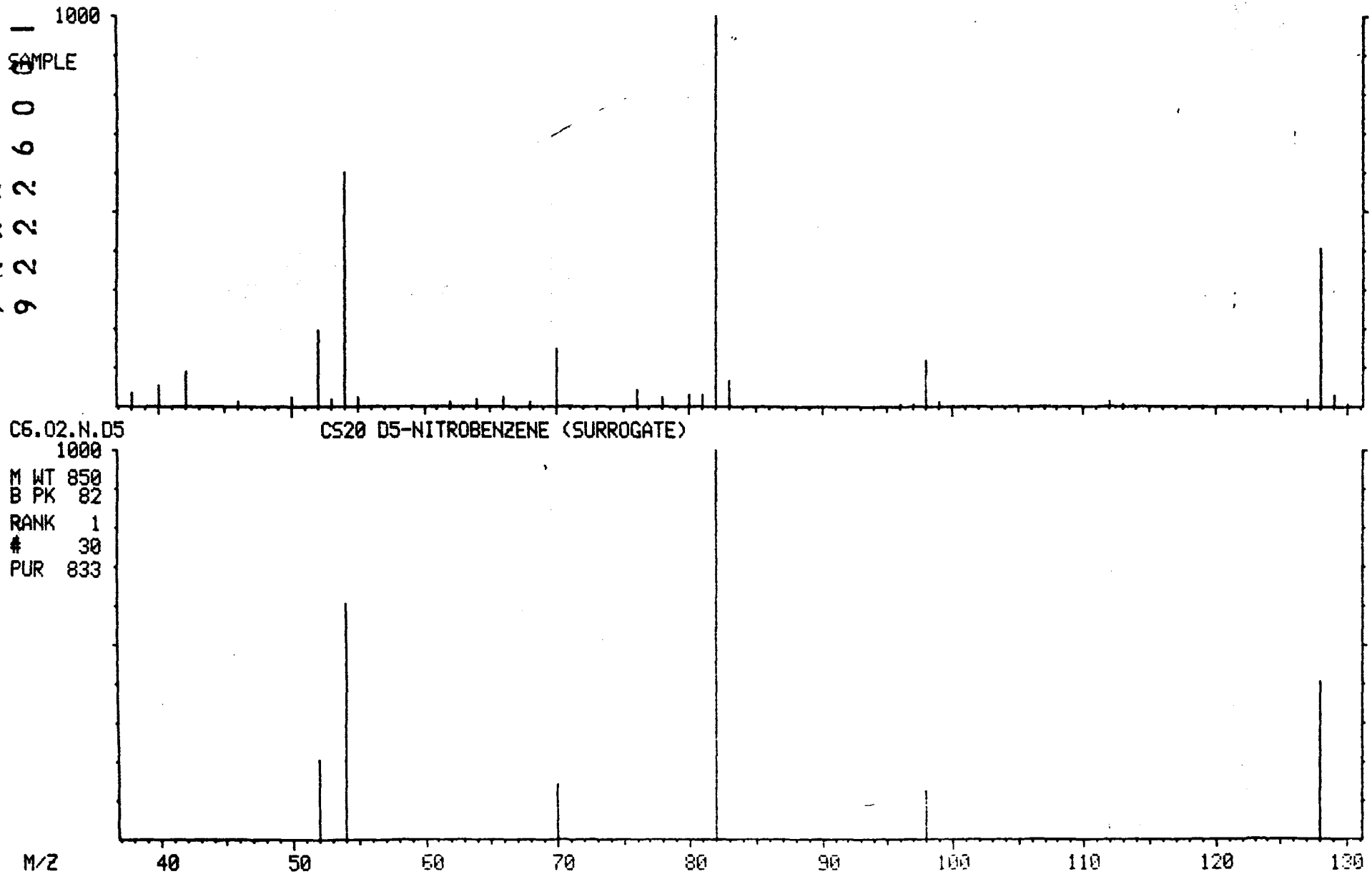
001052



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 13:13
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1333 BASE M/Z: 82
CALI: APR02GK05 # 3 RIC: 81408.

001053

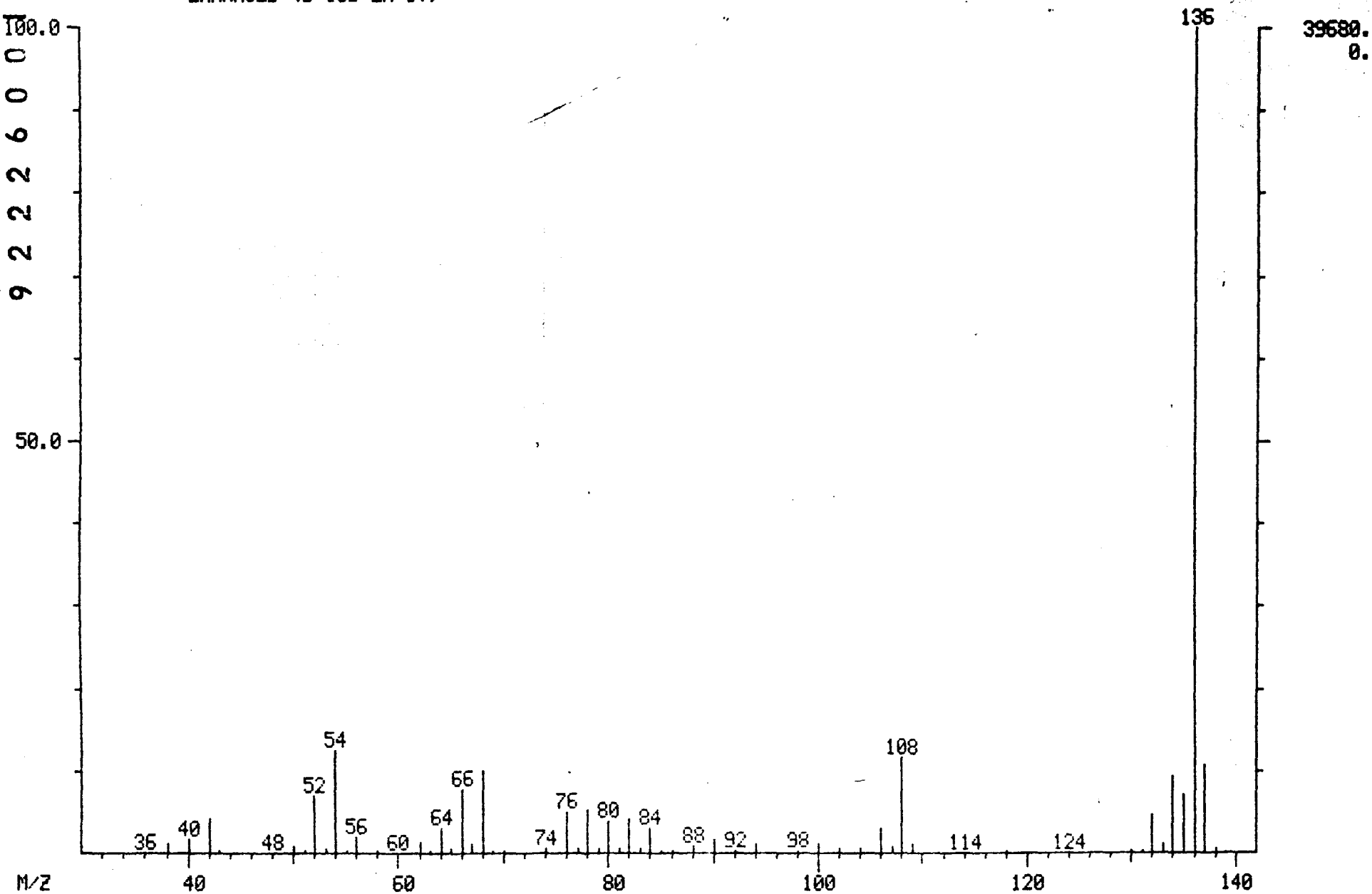


MASS SPECTRUM
04/02/91 13:06:00 + 14:59
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 150 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1512
CALI: APR02GK05 #3

BASE M/Z: 136
RIC: 94720.

001054

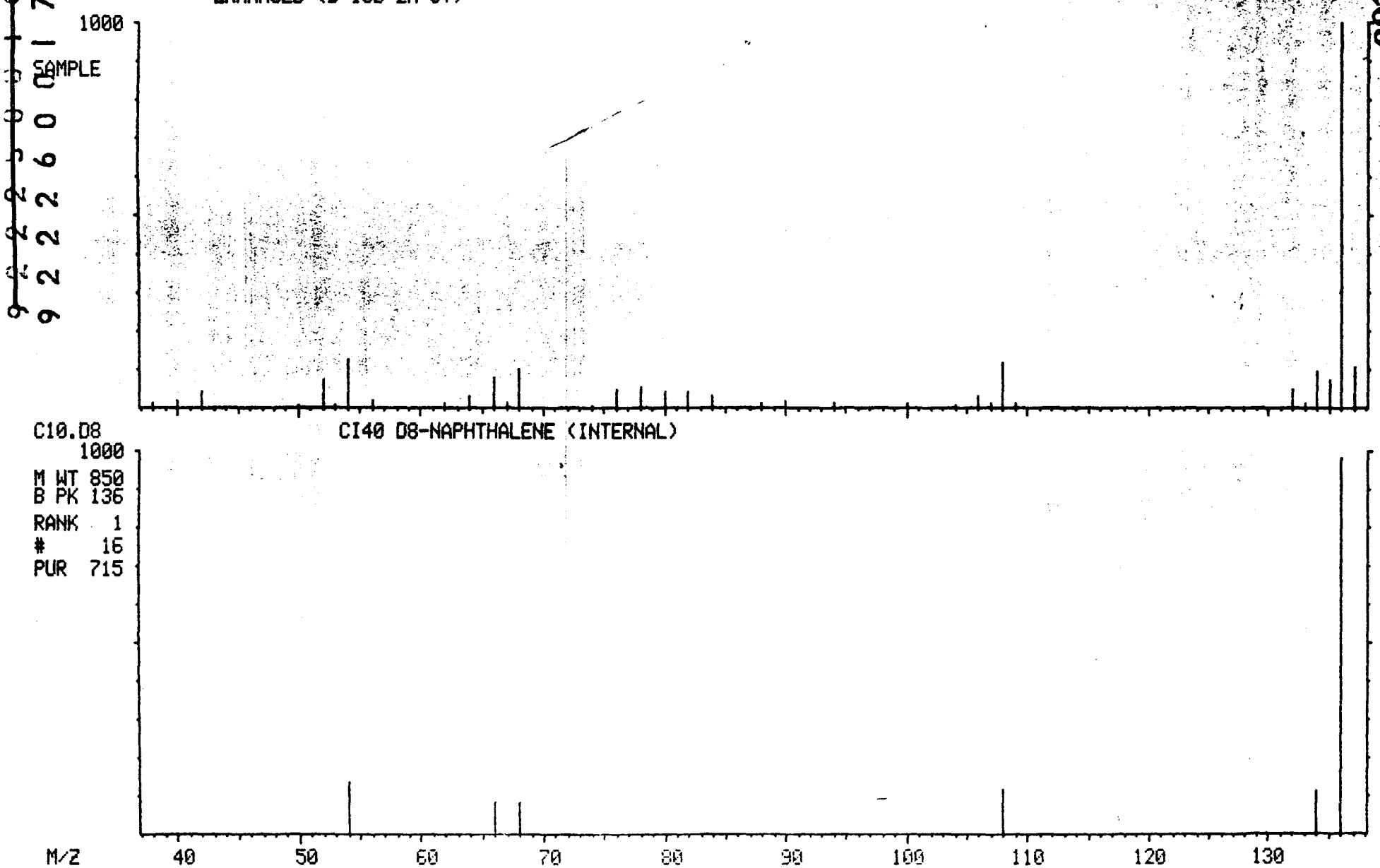


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 14:59
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1512
CALI: APR02GK05 # 3

BASE M/Z: 136
RIC: 91136.

001055

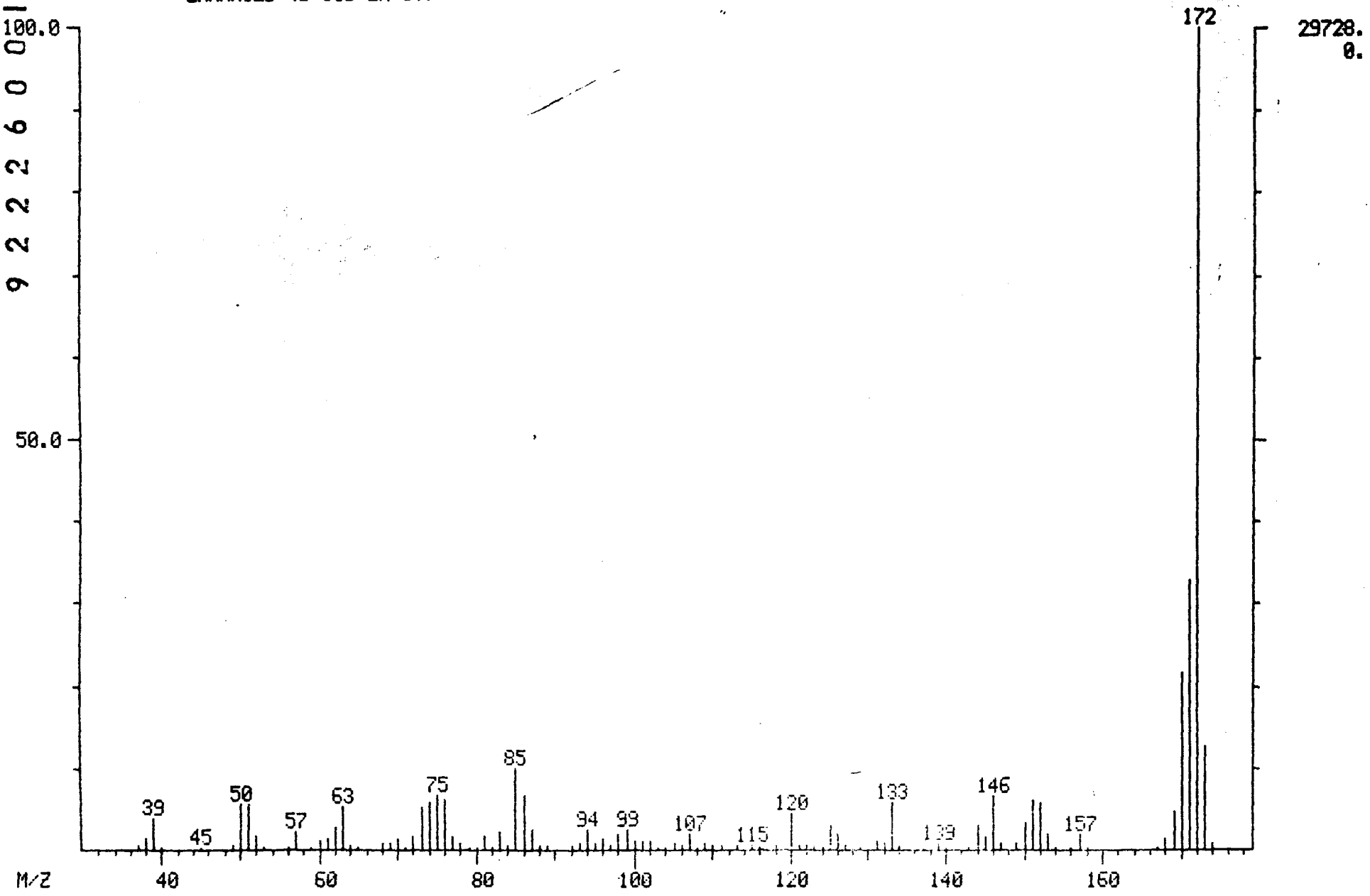


MASS SPECTRUM
04/02/91 13:06:00 + 17:48
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1795
CALI: APR02GK05 #3

BASE M/Z: 172
RIC: 101888.

001056

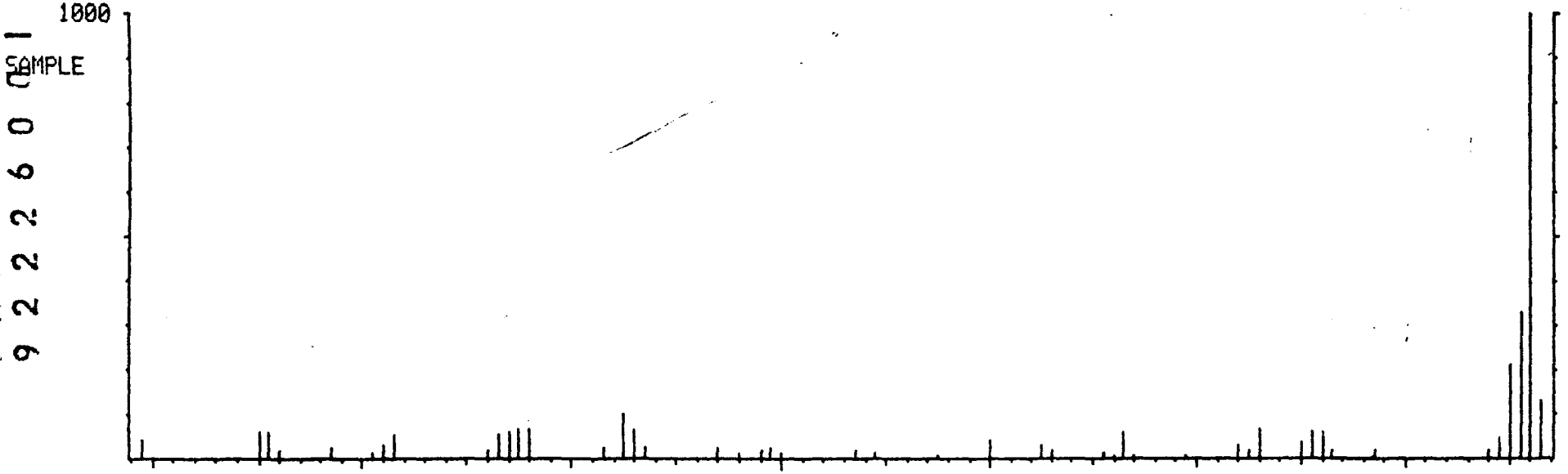


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 17:48
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

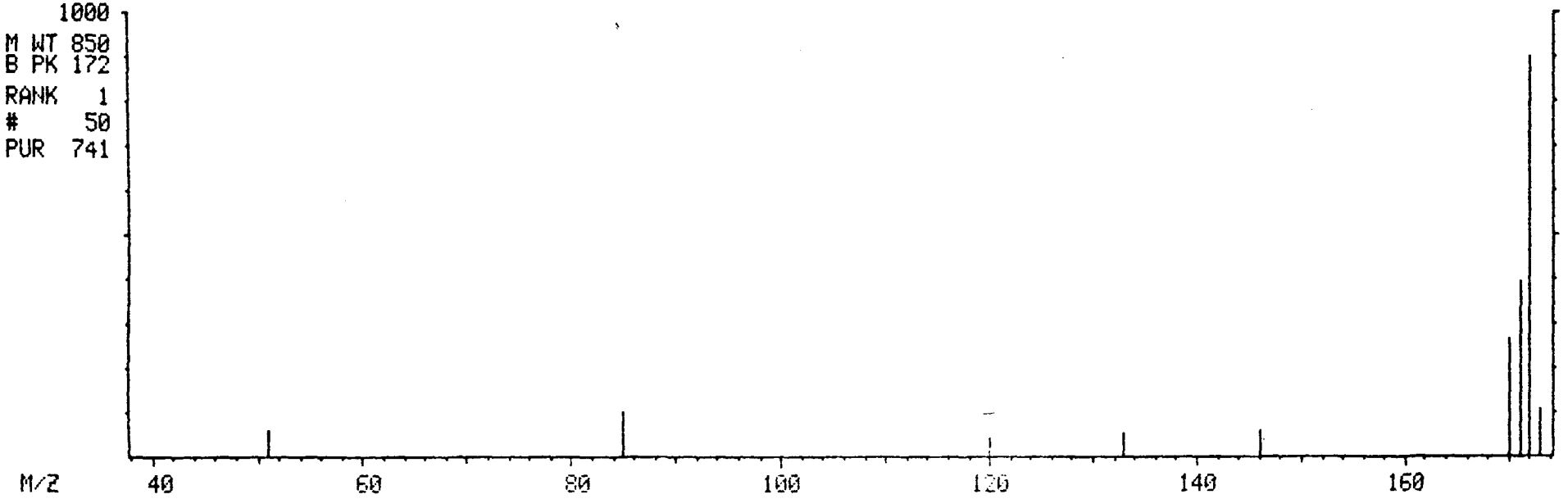
DATA: APR02GK05 #1795
CALI: APR02GK05 # 3

BASE M/Z: 172
RIC: 92032.

001057



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

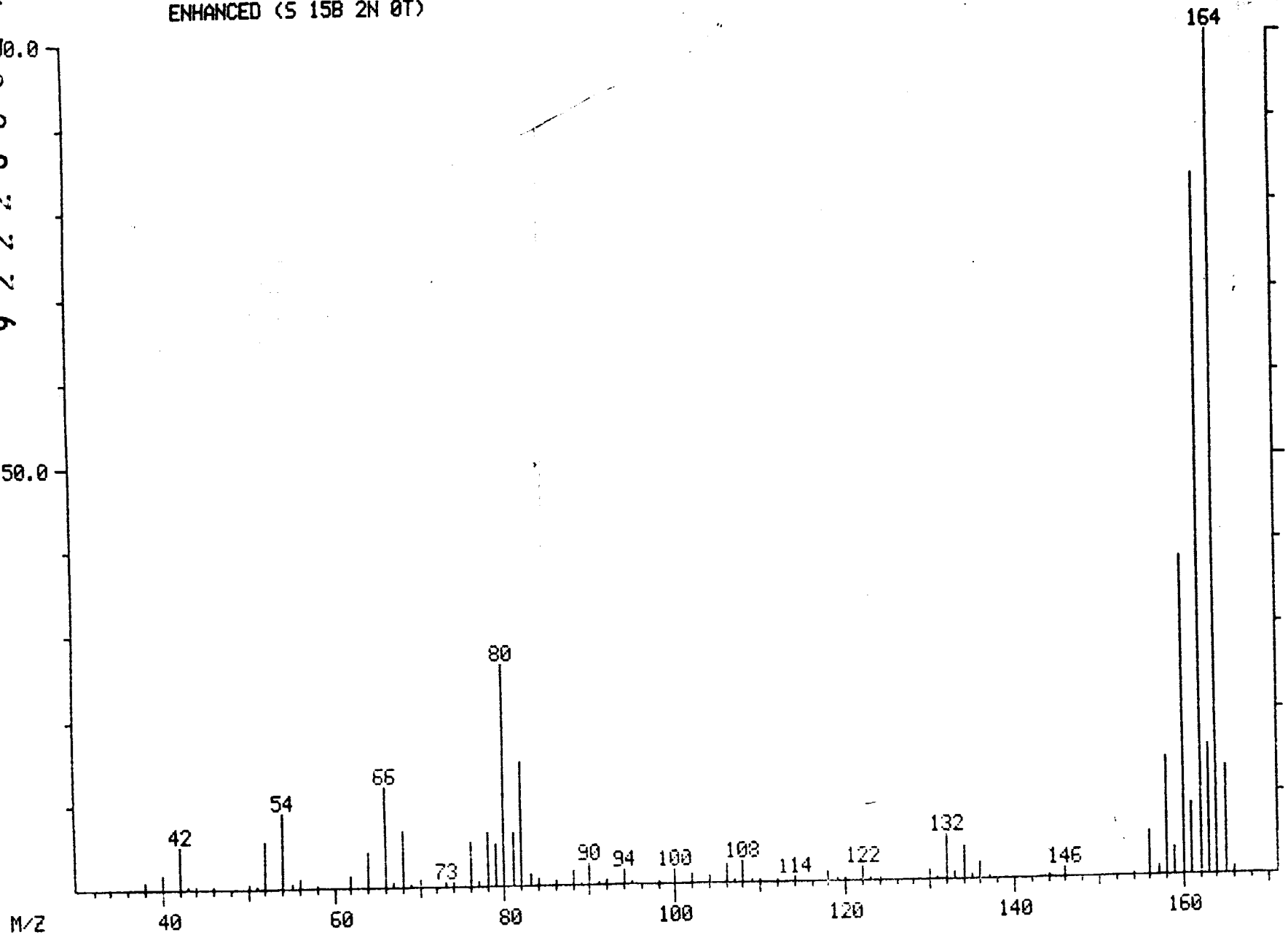


MASS SPECTRUM
04/02/91 13:06:00 + 19:33
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1972
CALI: APR02GK05 #3

BASE M/Z: 164
RIC: 91136.

001058



9 2 2 2 6 0 0 7 3 4

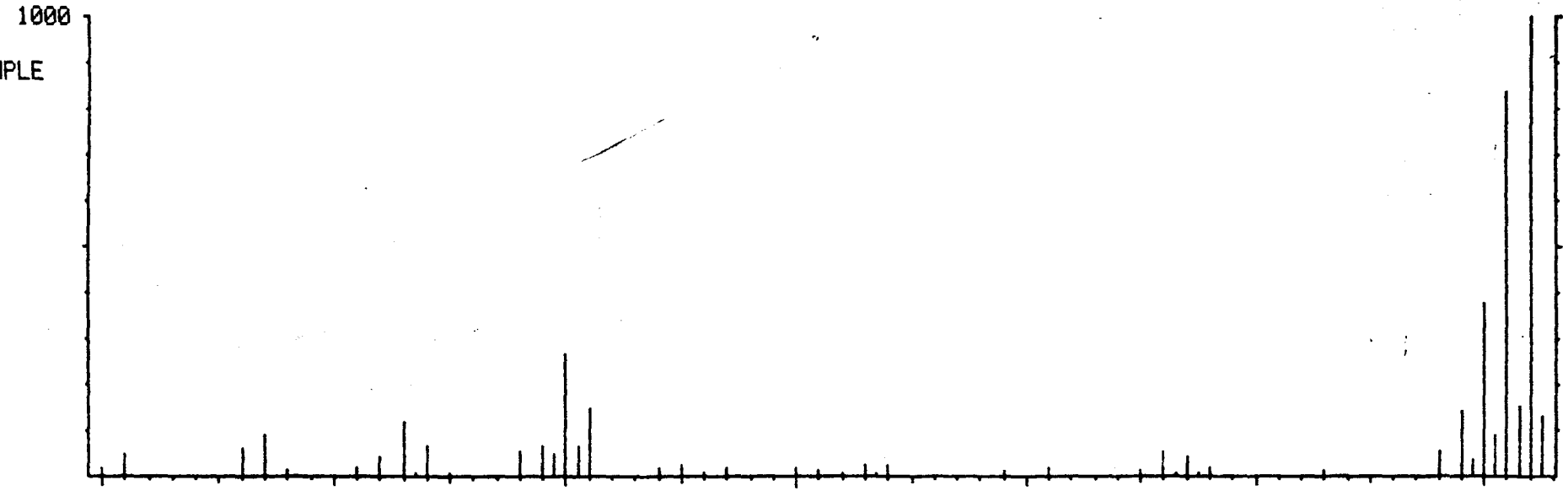
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 19:33
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1972
CALI: APR02GK05 # 3

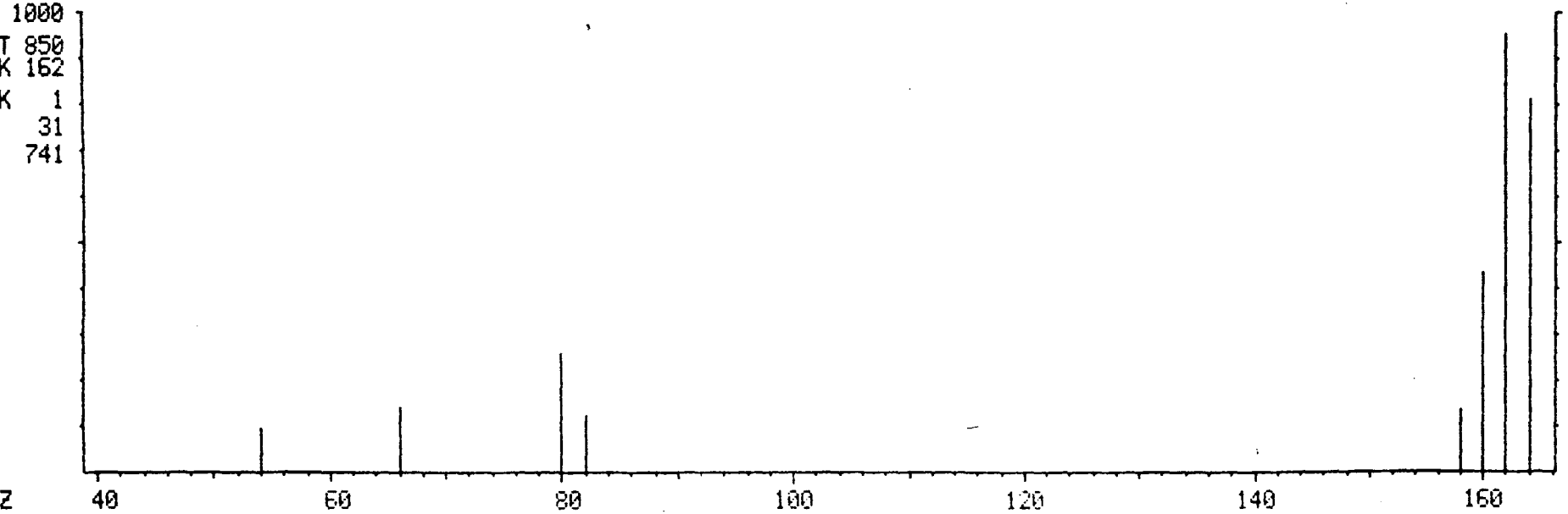
BASE M/Z: 164
RIC: 87936.

001059

9222601735



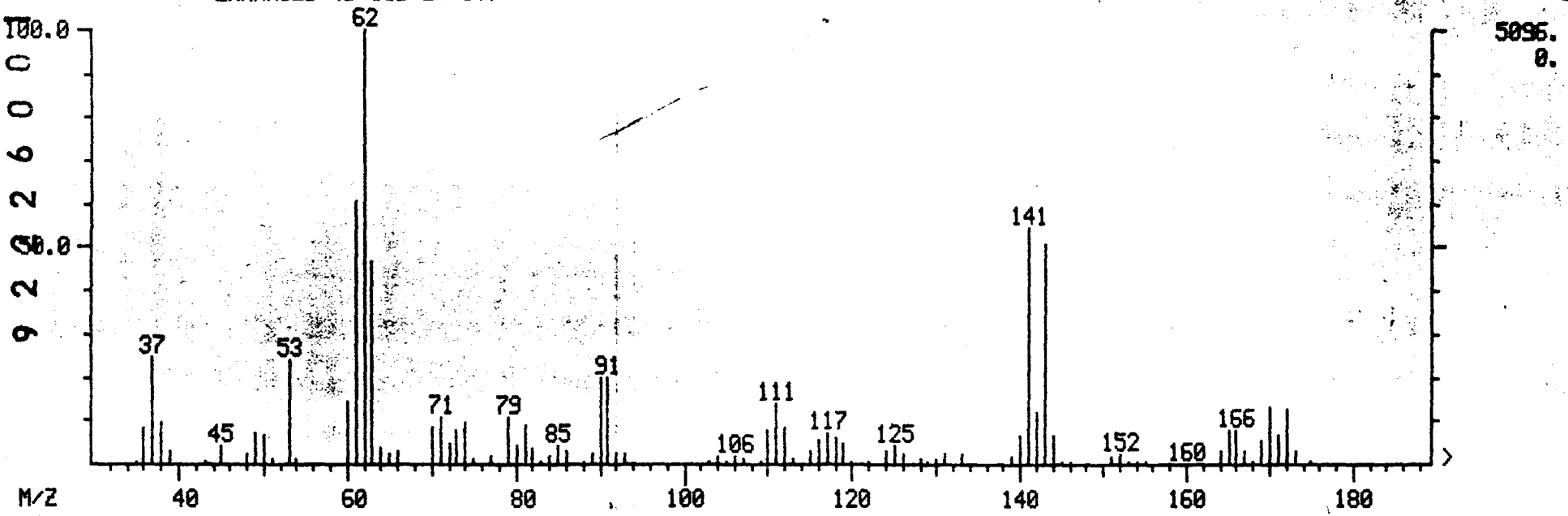
C12.D10 CI50 D10-ACENAPHTHENE (INTERNAL)

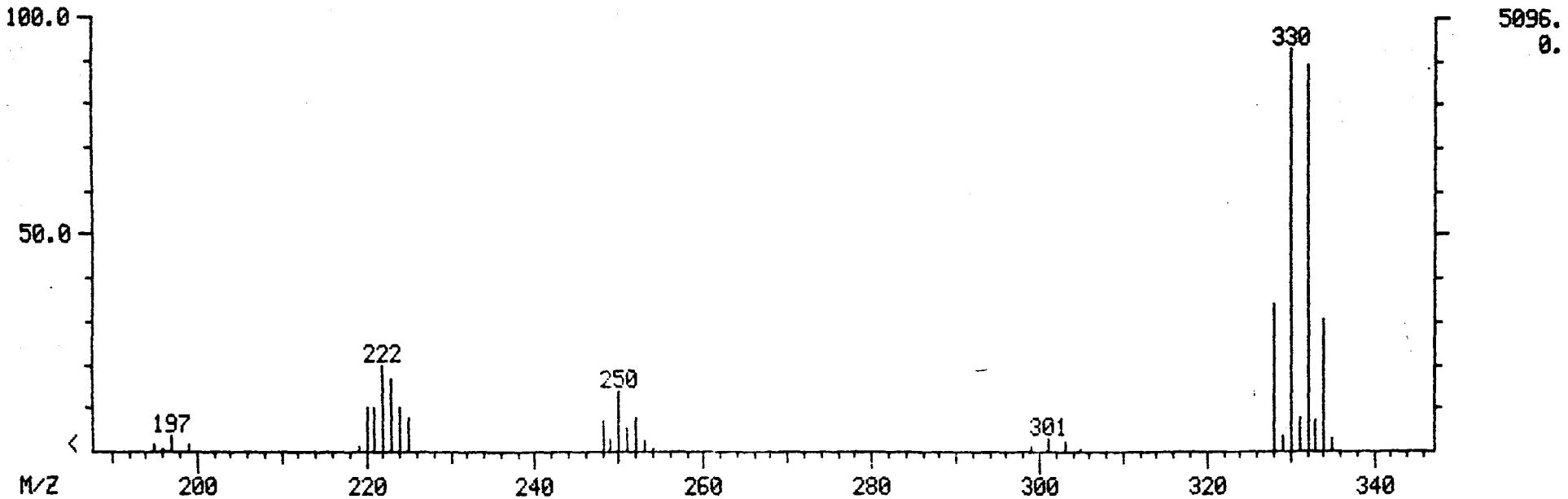


MASS SPECTRUM
04/02/91 13:06:00 + 21:37
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2180
CALI: APR02GK05 #3

BASE M/Z: 62
RIC: 57728.





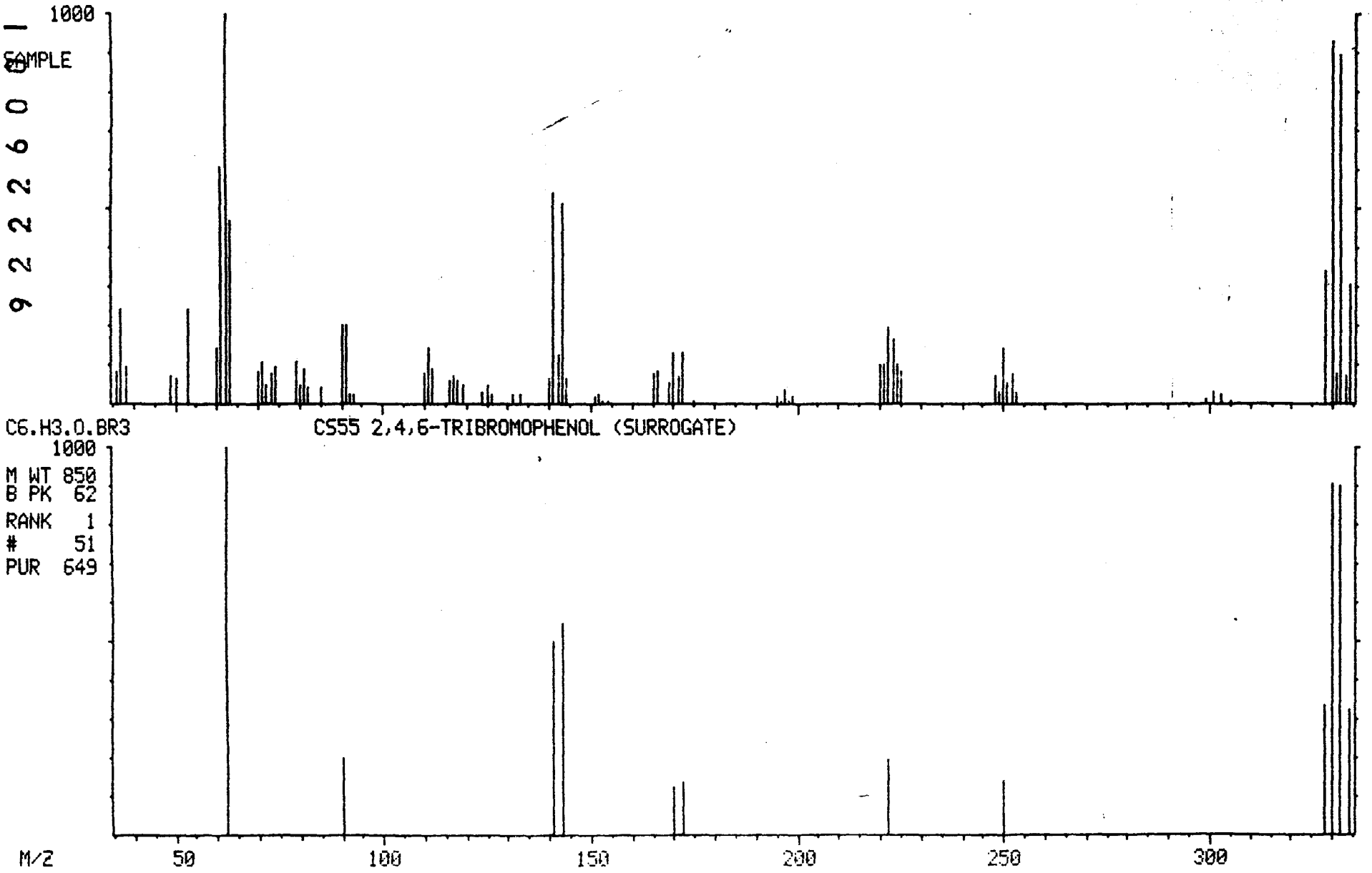
9220260007736
001060

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 21:37
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2180
CALI: APR02GK05 # 3

BASE M/Z: 62
RIC: 54400.

001061

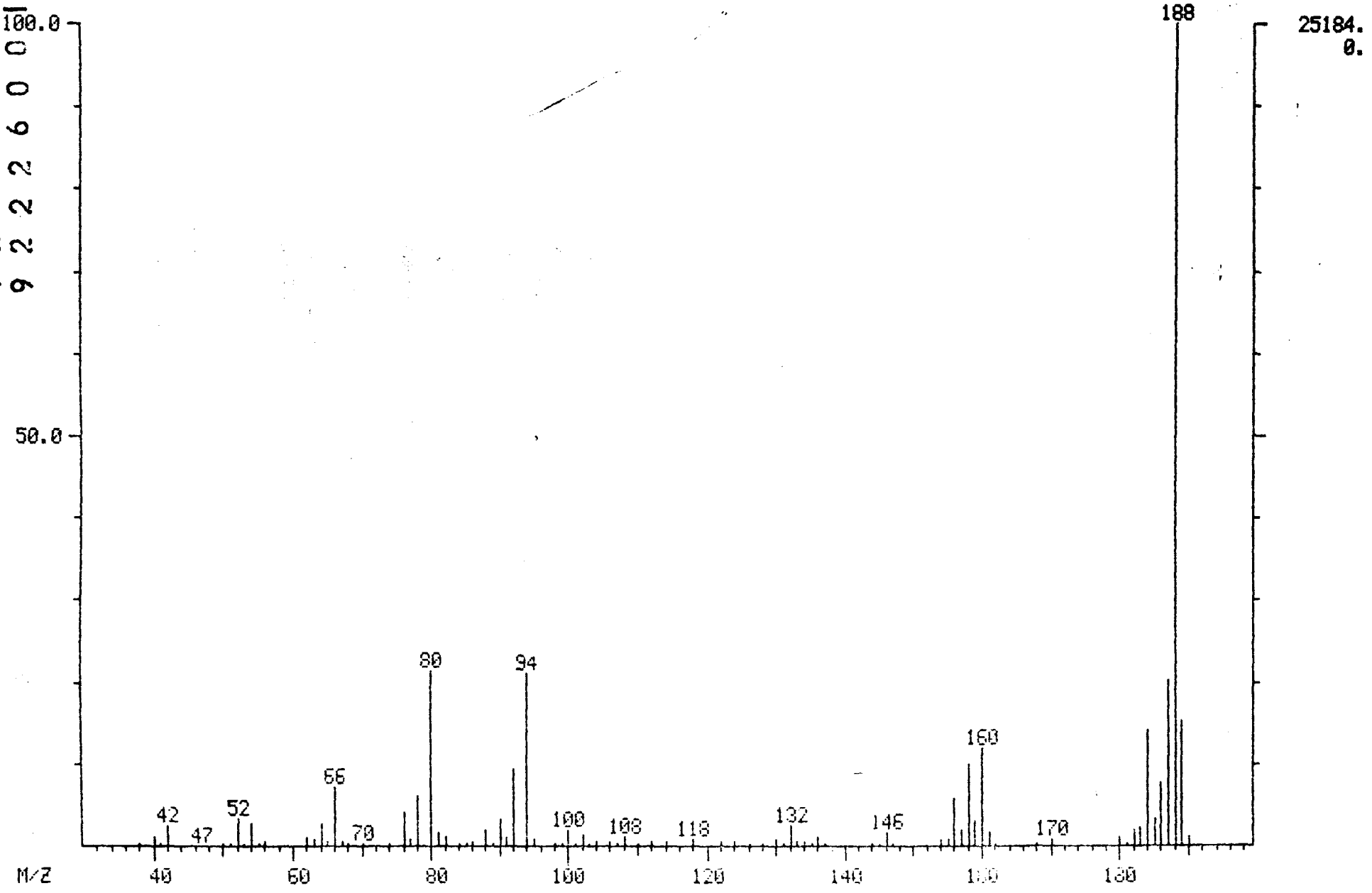


MASS SPECTRUM
04/02/91 13:06:00 + 23:23
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2359
CALI: APR02GK05 #3

BASE M/Z: 188
RIC: 81920.

001062

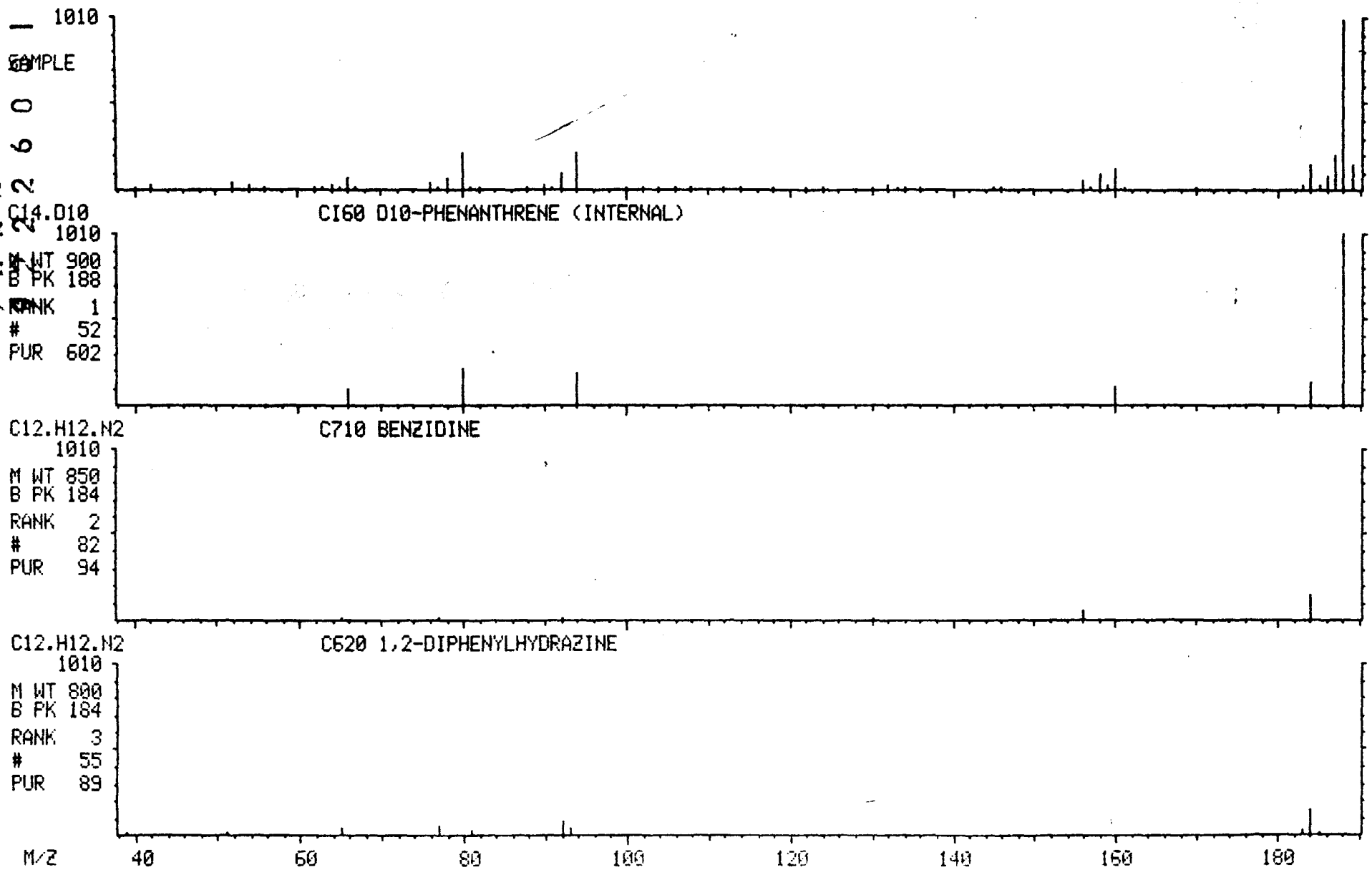


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 23:23
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2359
CALI: APR02GK05 # 3

BASE M/Z: 188
RIC: 77824.

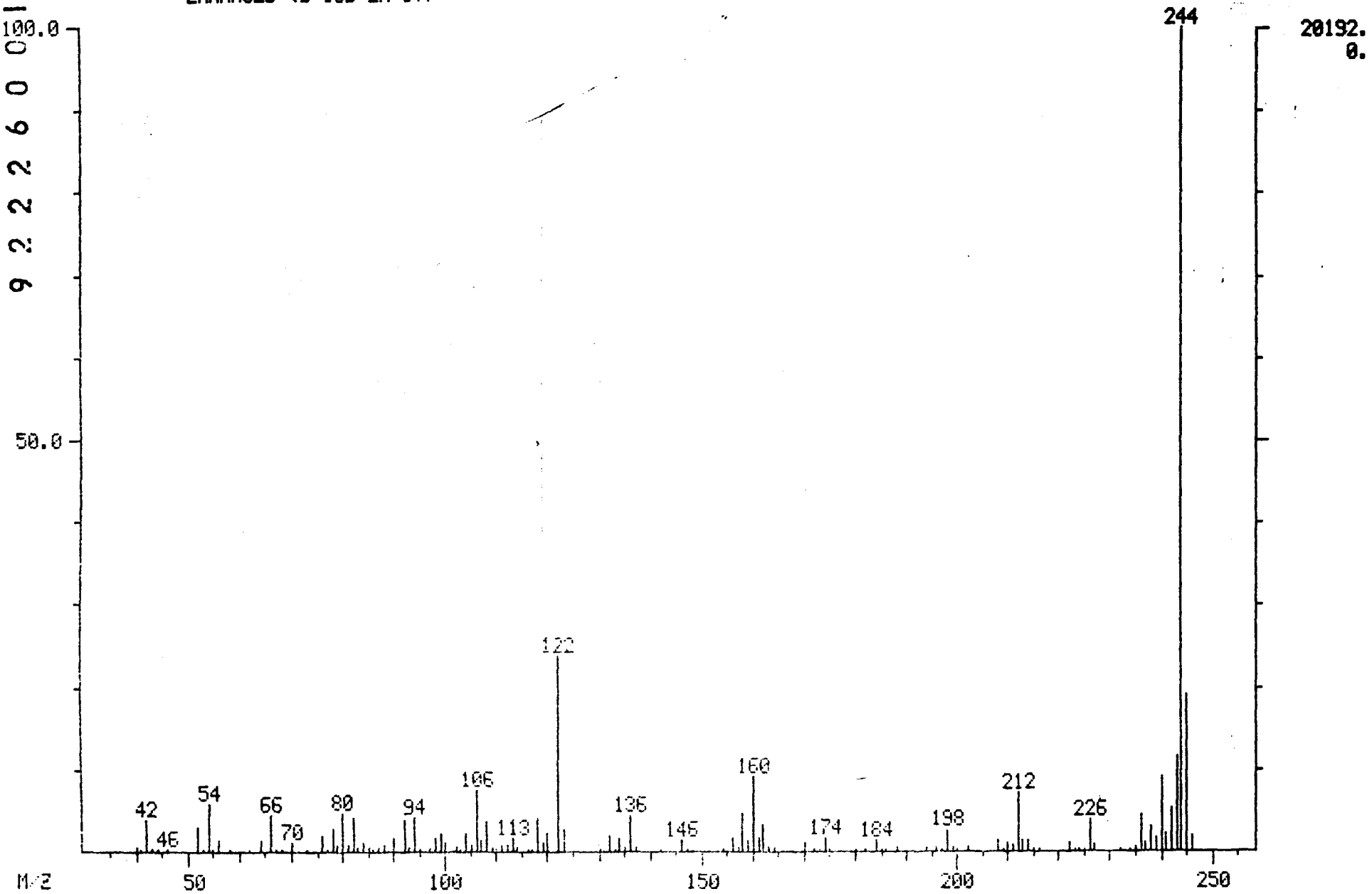
001063



MASS SPECTRUM
04/02/91 13:06:00 + 27:35
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2782
CALI: APR02GK05 #3

BASE M/Z: 244
RIC: 70144.



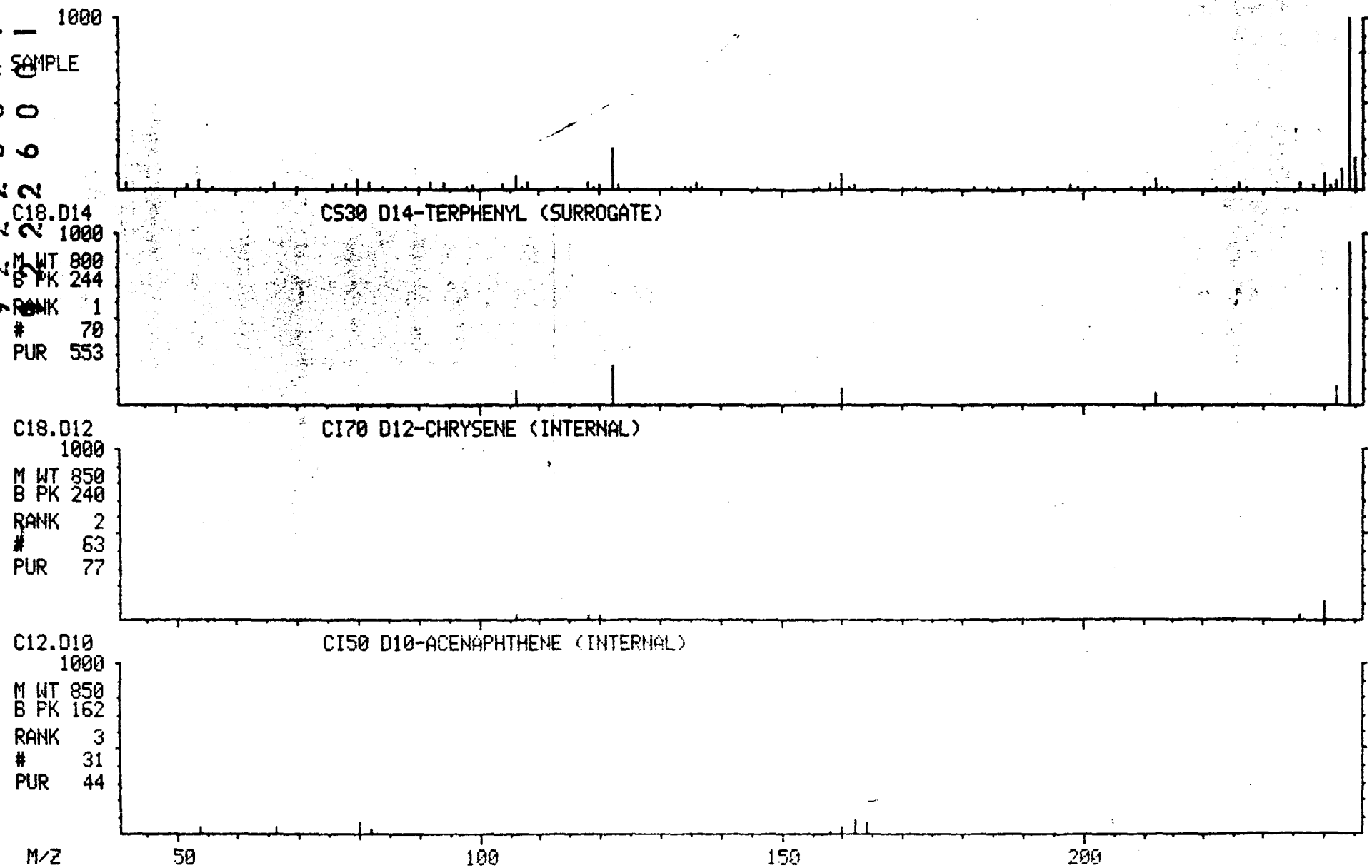
9222600174 0
001094

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 27:35
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #2782
CALI: APR02GK05 # 3

BASE M/Z: 244
RIC: 64192.

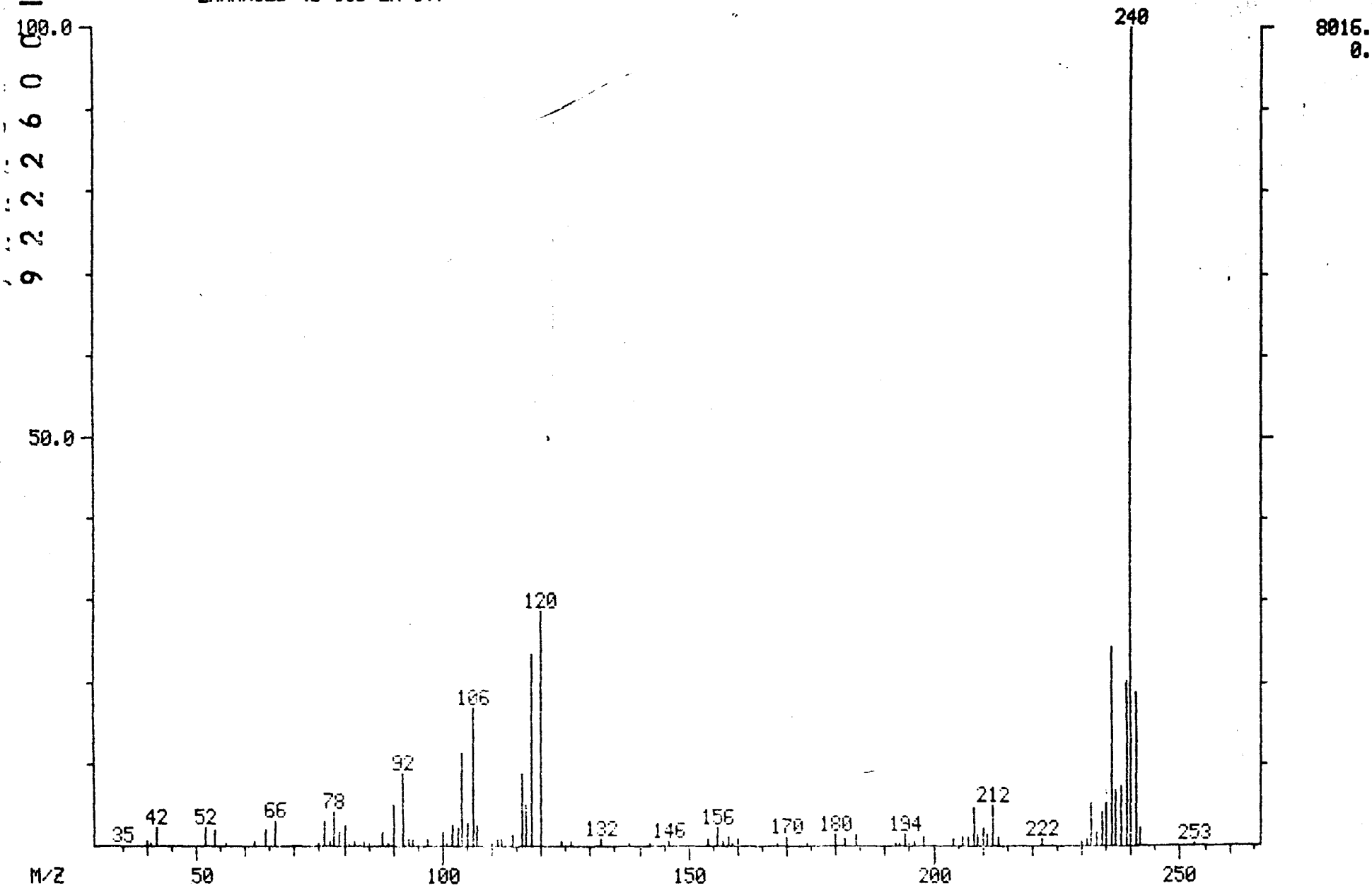
001065



MASS SPECTRUM
04/02/91 13:06:00 + 31:09
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #3143
CALI: APR02GK05 #3

BASE M/Z: 240
RIC: 31360.



001066

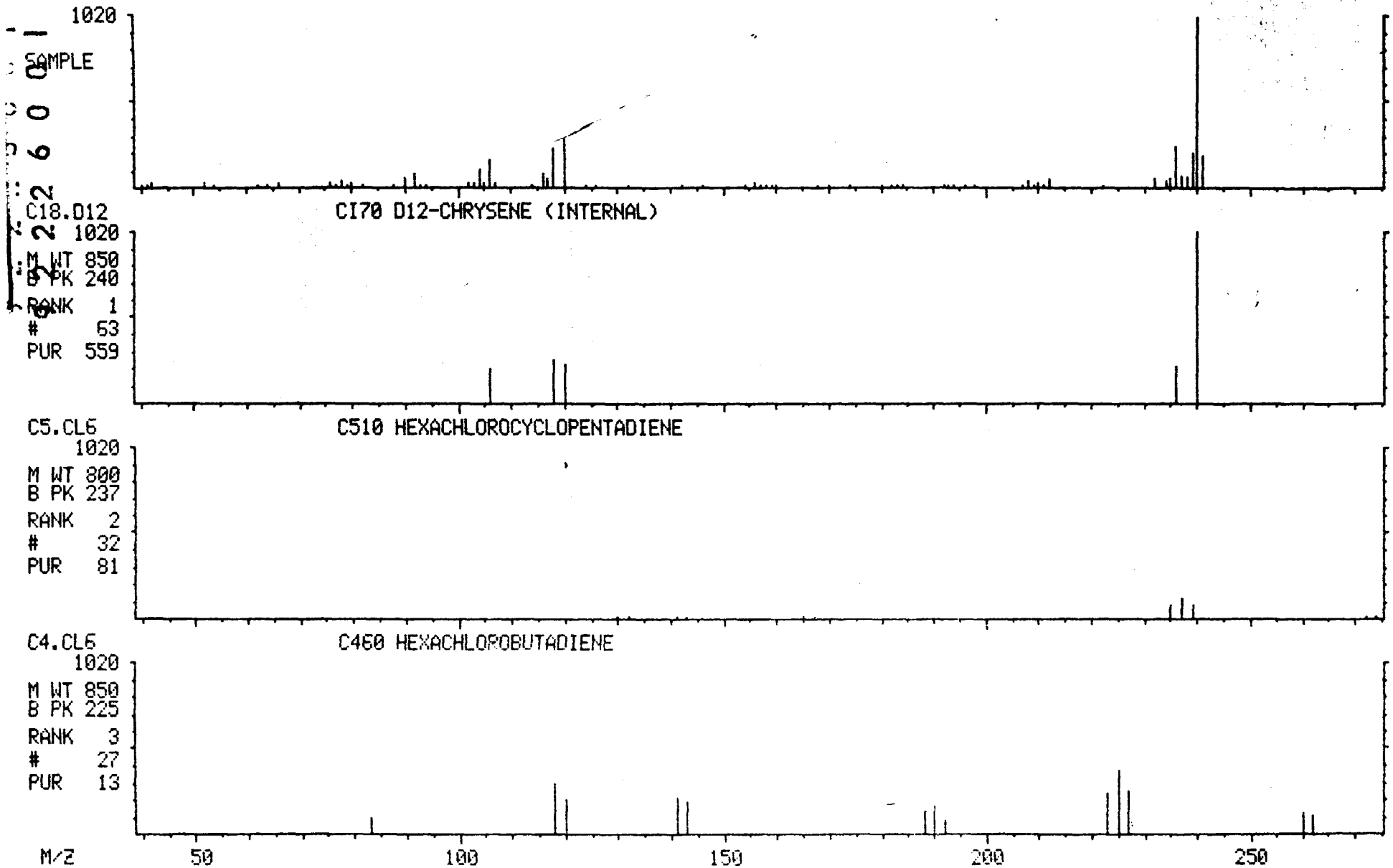
9222260 C1742

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 31:09
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #3143
CALI: APR02GK05 # 3

BASE M/Z: 240
RIC: 29984.

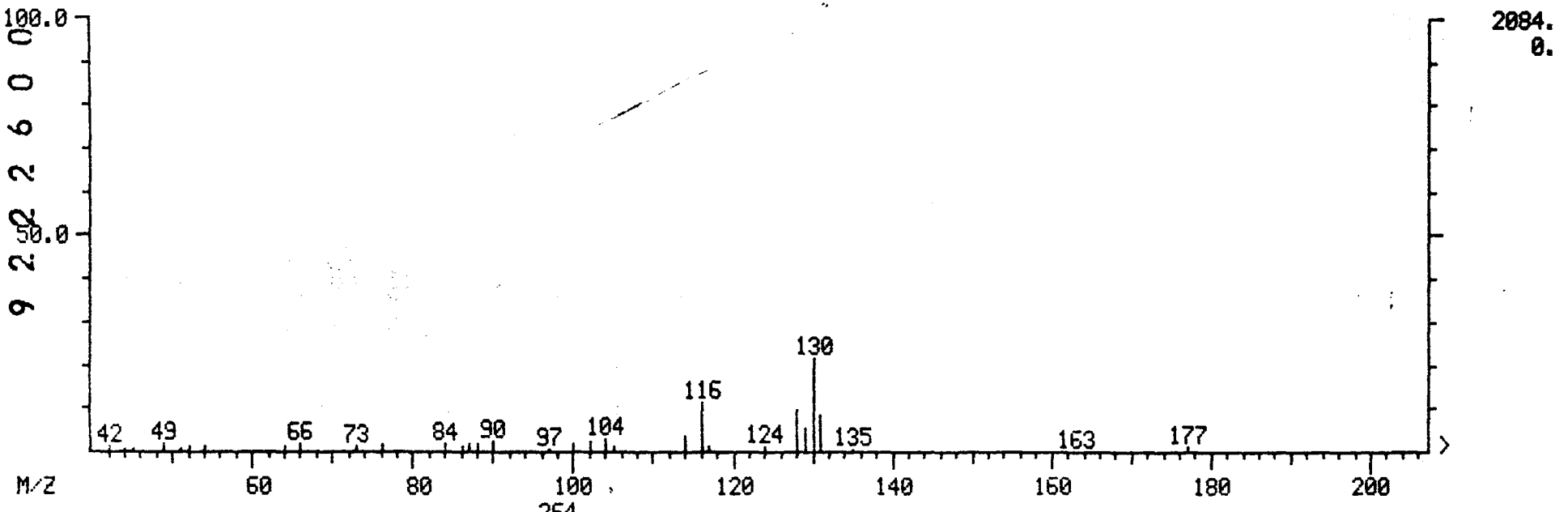
001067

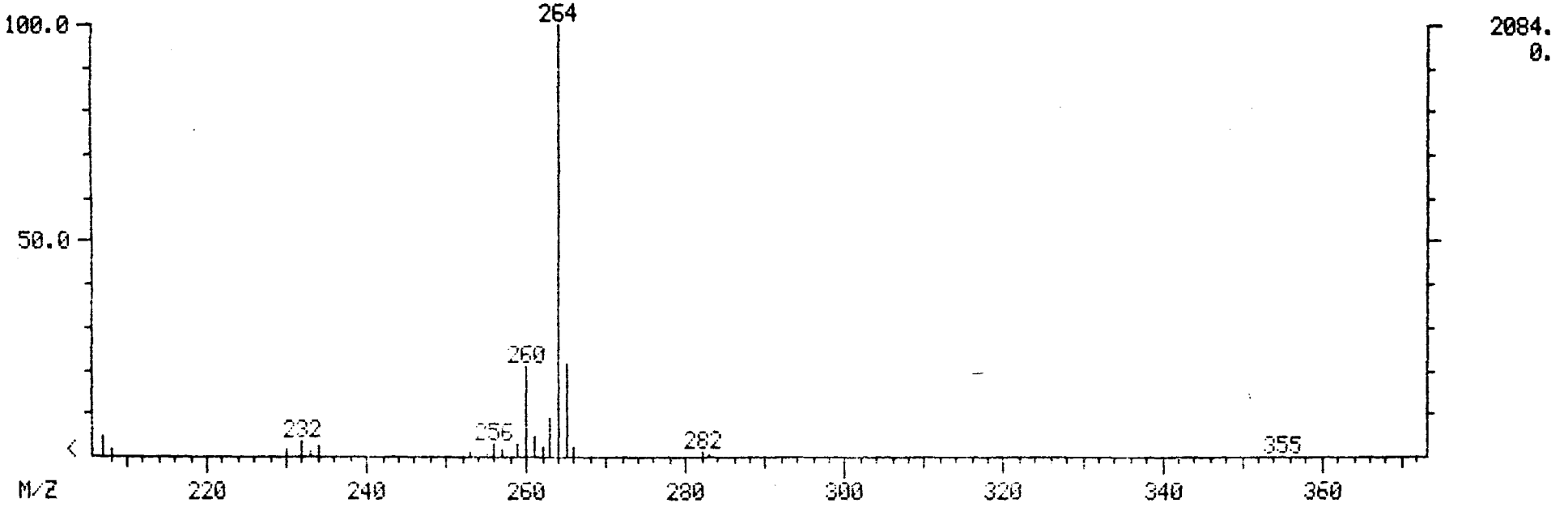


MASS SPECTRUM
04/02/91 13:06:00 + 40:17
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #4064
CALI: APR02GK05 #3

BASE M/Z: 264
RIC: 5952.

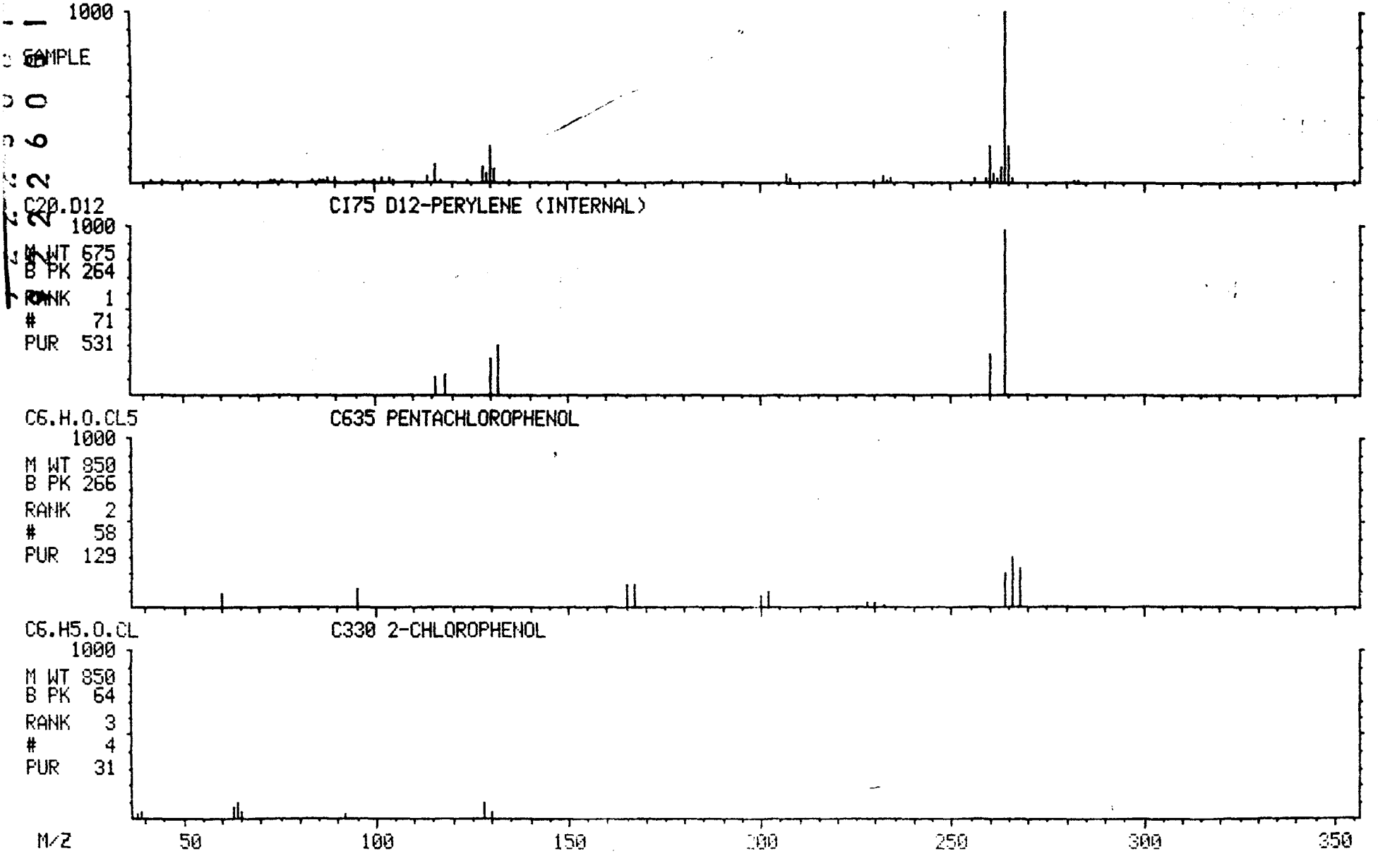




MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 13:06:00 + 40:17
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #4064
CALI: APR02GK05 # 3

BASE M/Z: 264
RIC: 5888.



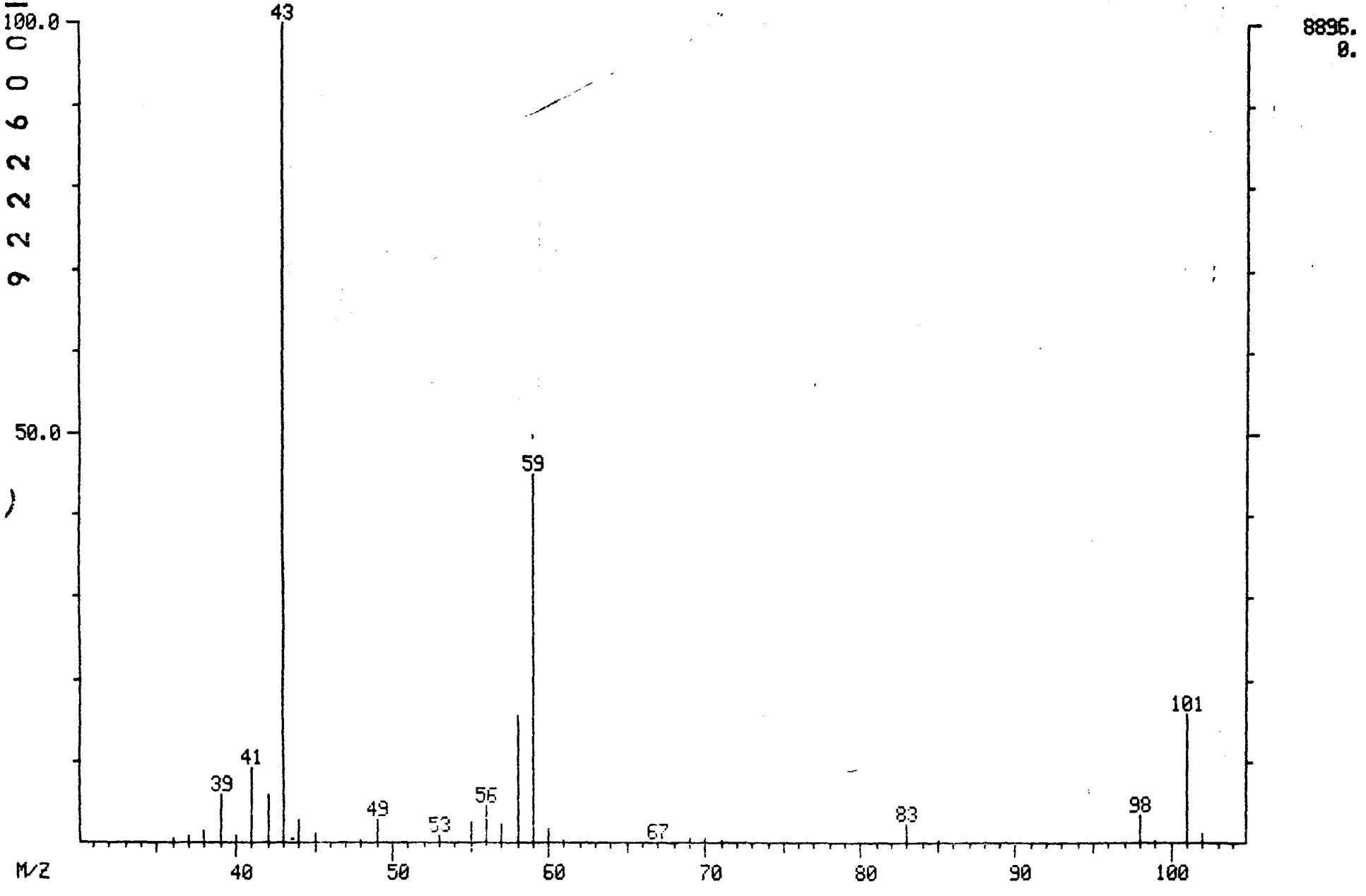
9222260017746

NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 13:06:00 + 8:04
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #814
CALI: APR02GK05 #3

BASE M/Z: 43
RIC: 20288.



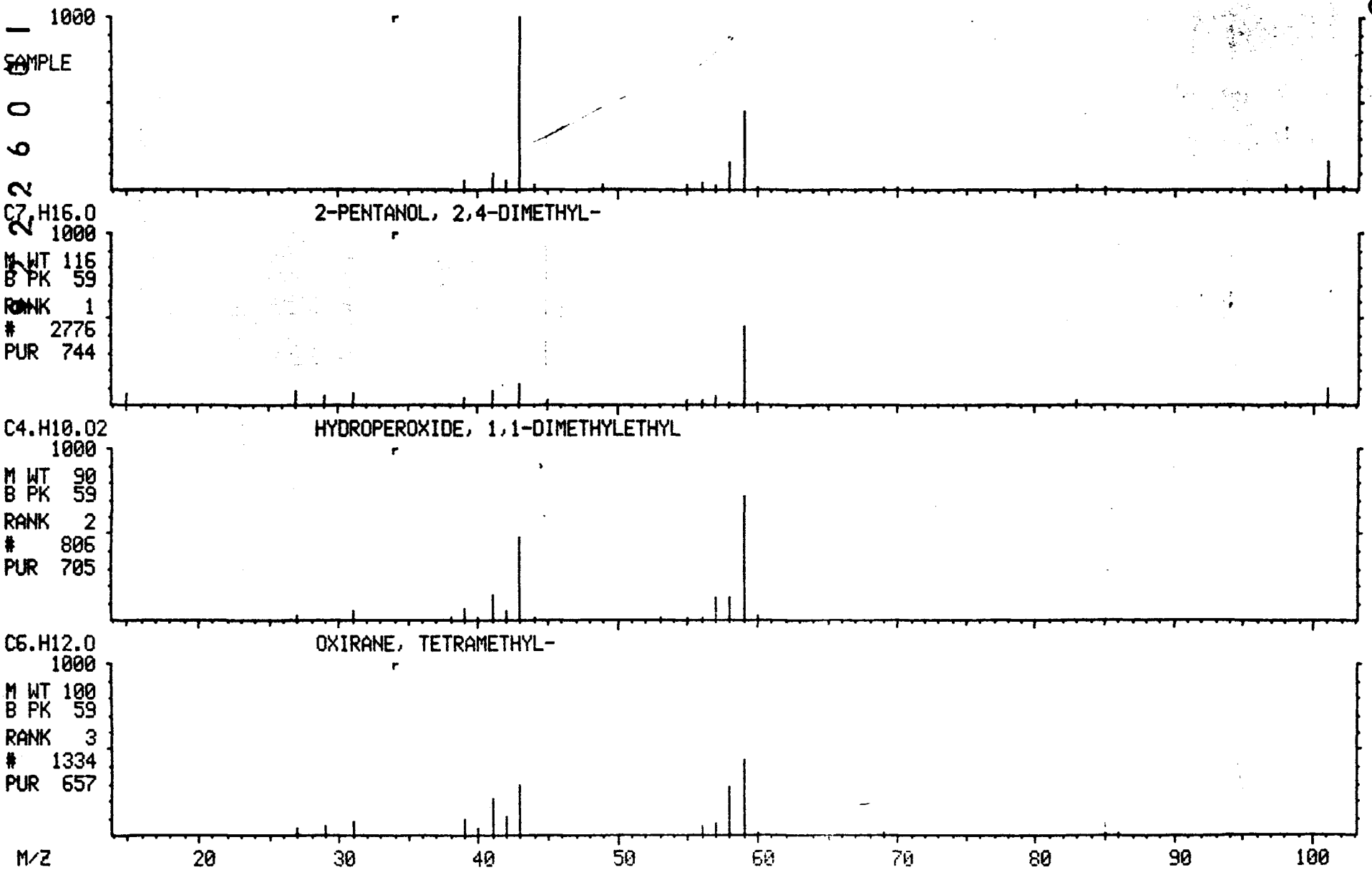
9222600747

001071

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 8:04
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 # 814
CALI: APR02GK05 # 3

BASE M/Z: 43
RIC: 19744.



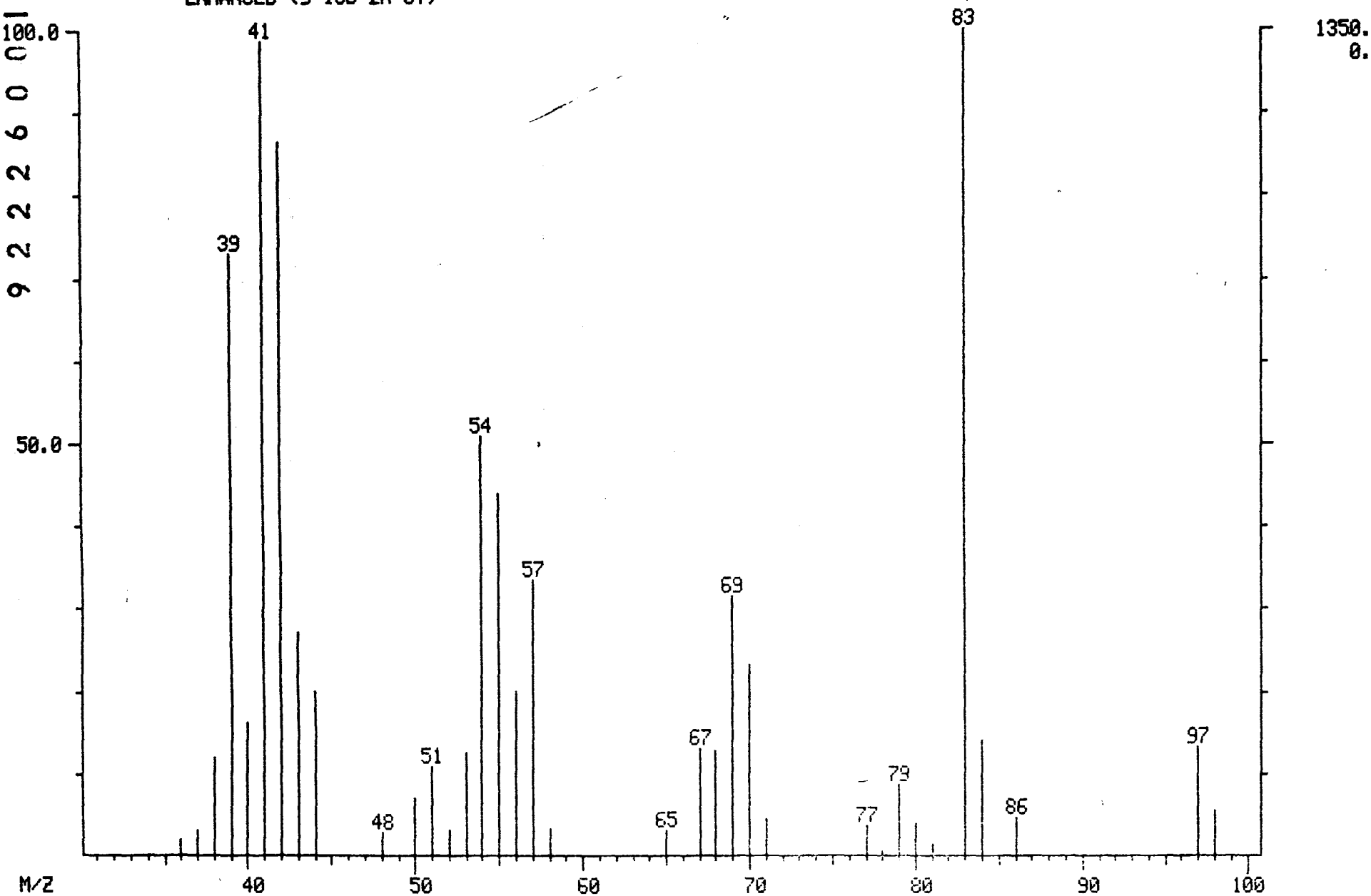
2225081748
00107

MASS SPECTRUM
04/02/91 13:06:00 + 8:31
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #859
CALI: APR02GK05 #3

BASE M/Z: 83
RIC: 10400.

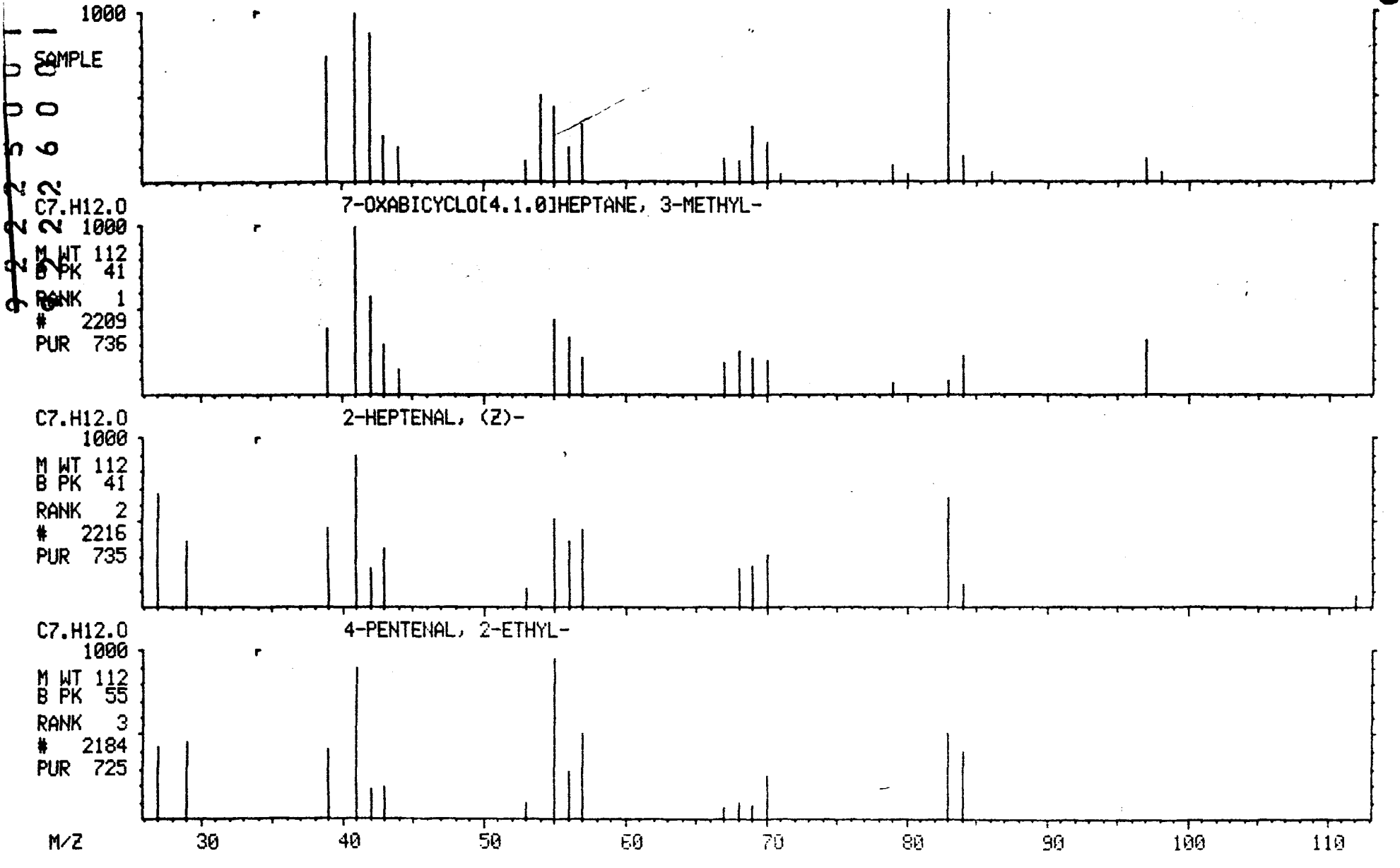
001073



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 8:31
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 # 859
CALI: APR02GK05 # 3

BASE M/Z: 83
RIC: 9472.



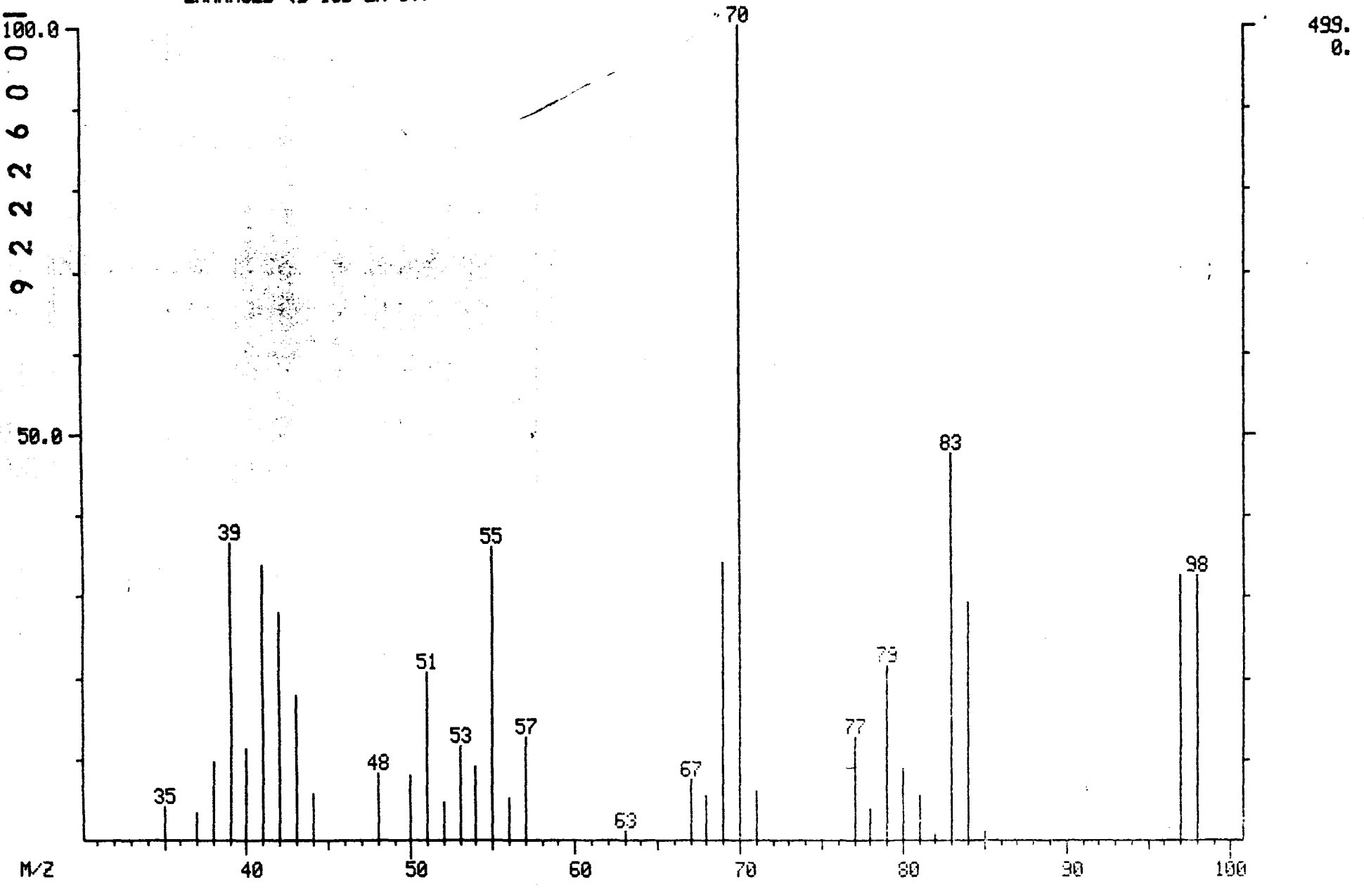
001074

MASS SPECTRUM
04/02/91 13:06:00 + 9:10
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 92 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #925
CALI: APR02GK05 #3

BASE M/Z: 70
RIC: 3096.

001075

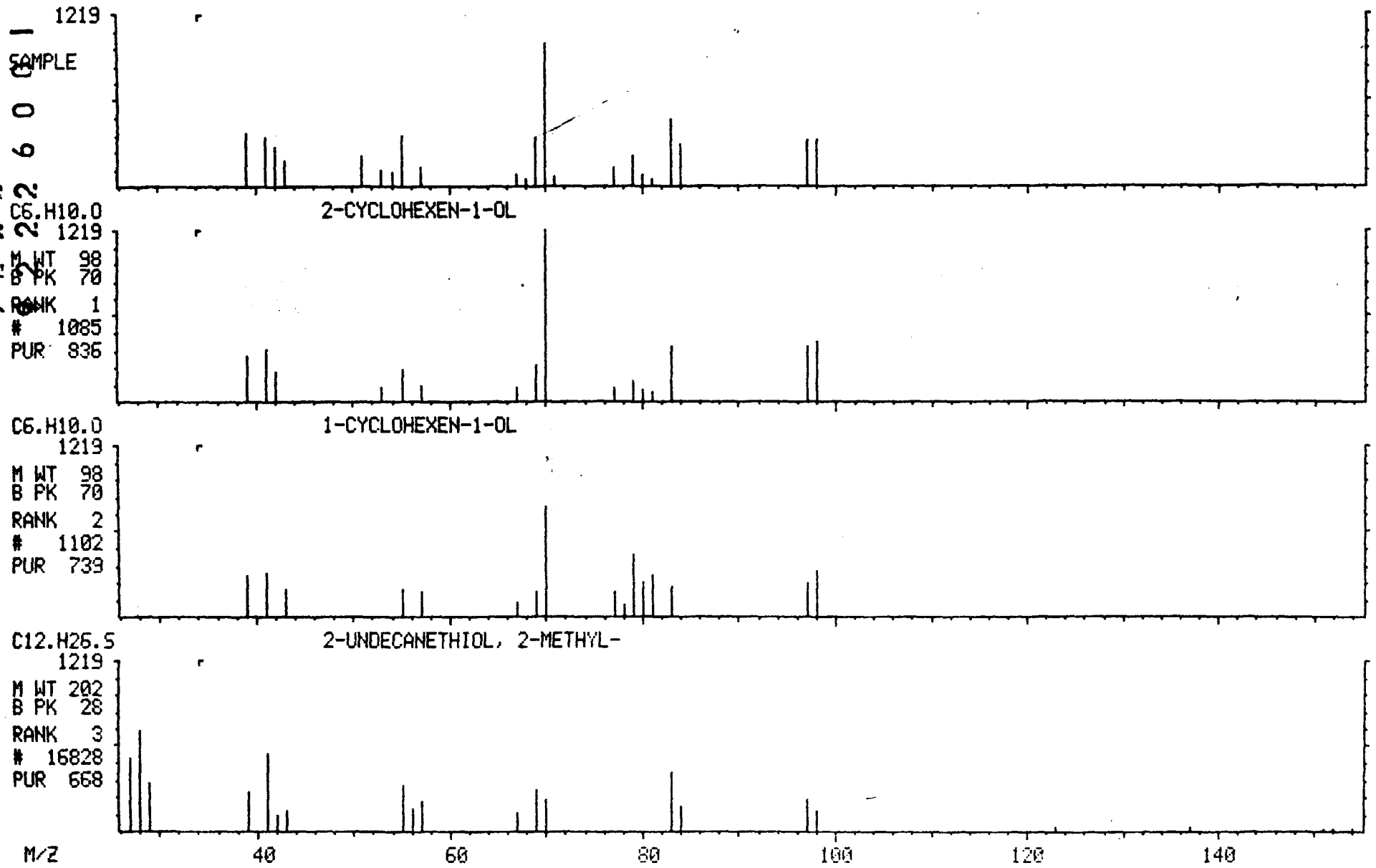


MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 9:10
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 # 925
CALI: APR02GK05 # 3

BASE M/Z: 70
RIC: 2760.

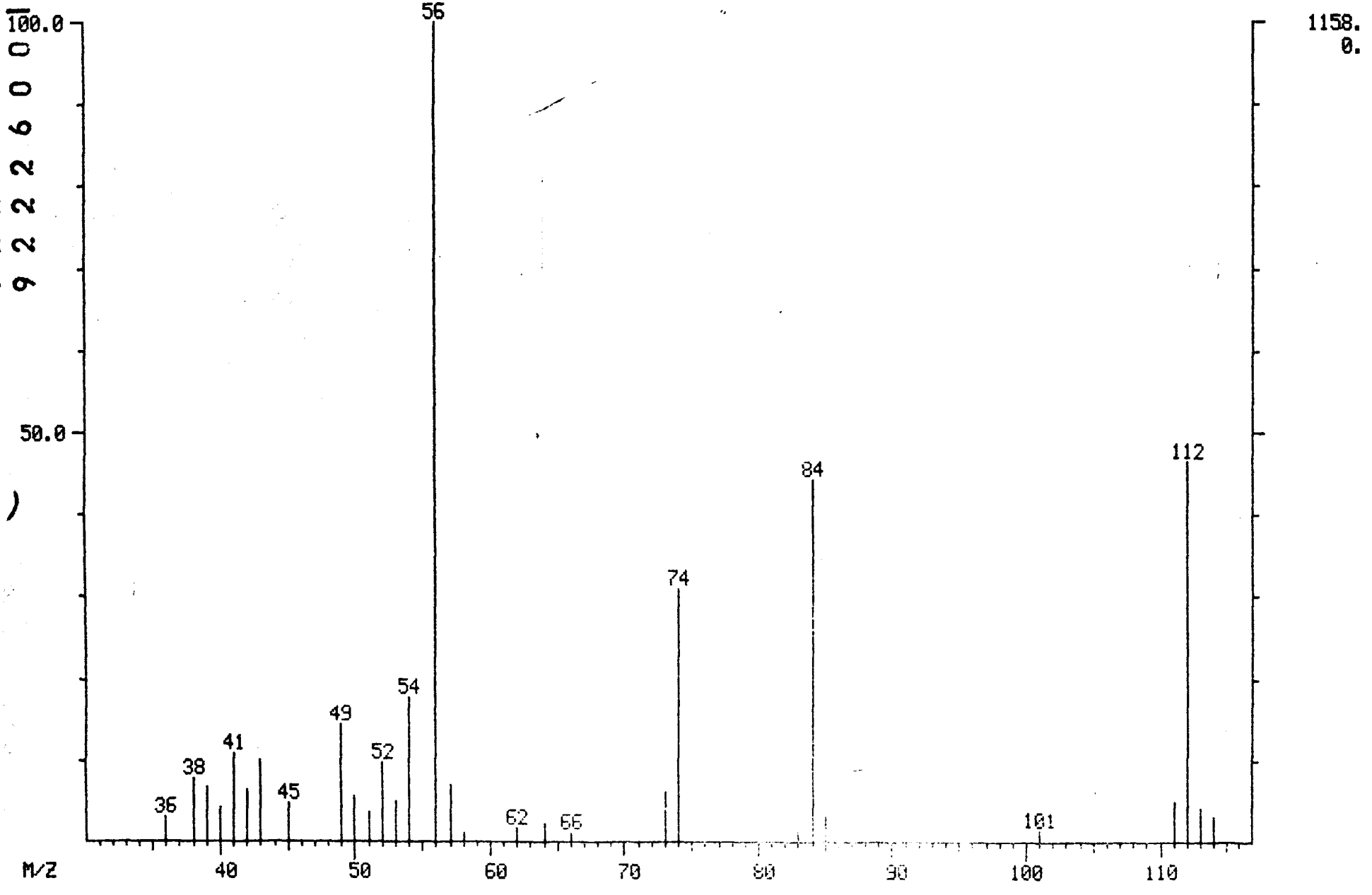
001076



MASS SPECTRUM
04/02/91 13:06:00 + 9:48
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 98 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #988
CALI: APR02GK05 #3

BASE M/Z: 56
RIC: 4264.



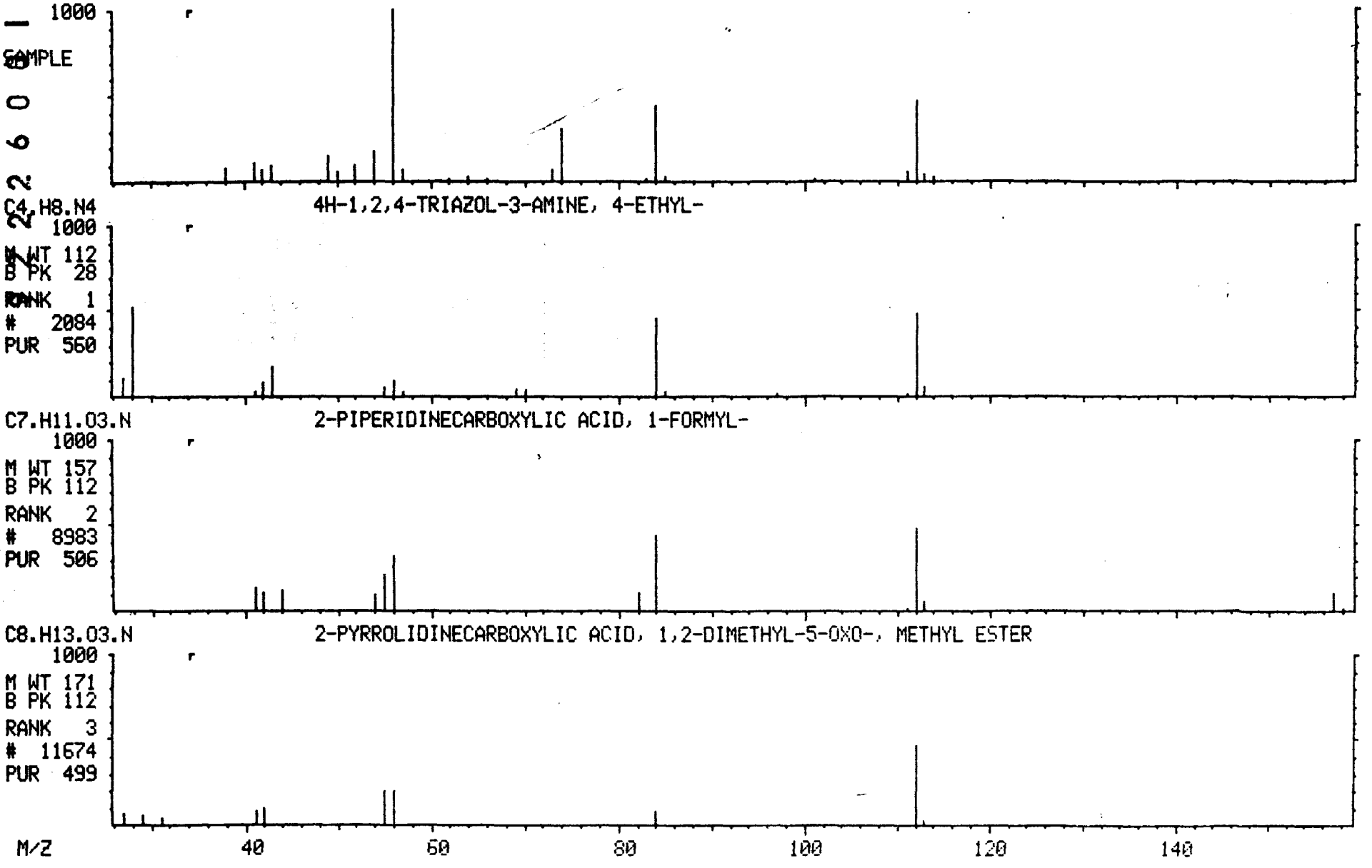
9222600753

004077

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 9:48
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 # 988
CALI: APR02GK05 # 3

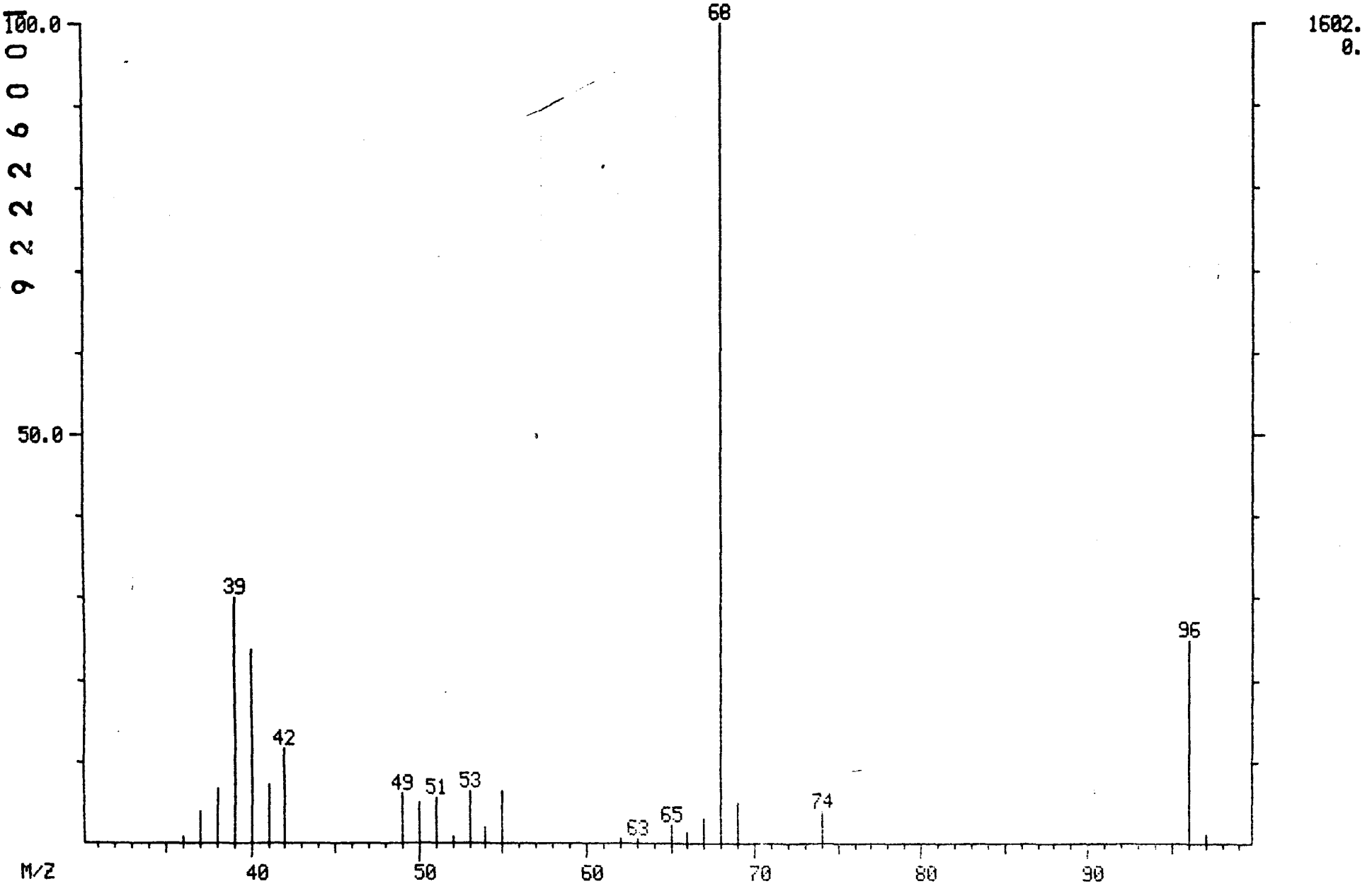
BASE M/Z: 56
RIC: 3940.



MASS SPECTRUM
04/02/91 13:06:00 + 10:10
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1025
CALI: APR02GK05 #3

BASE M/Z: 68
RIC: 4160.

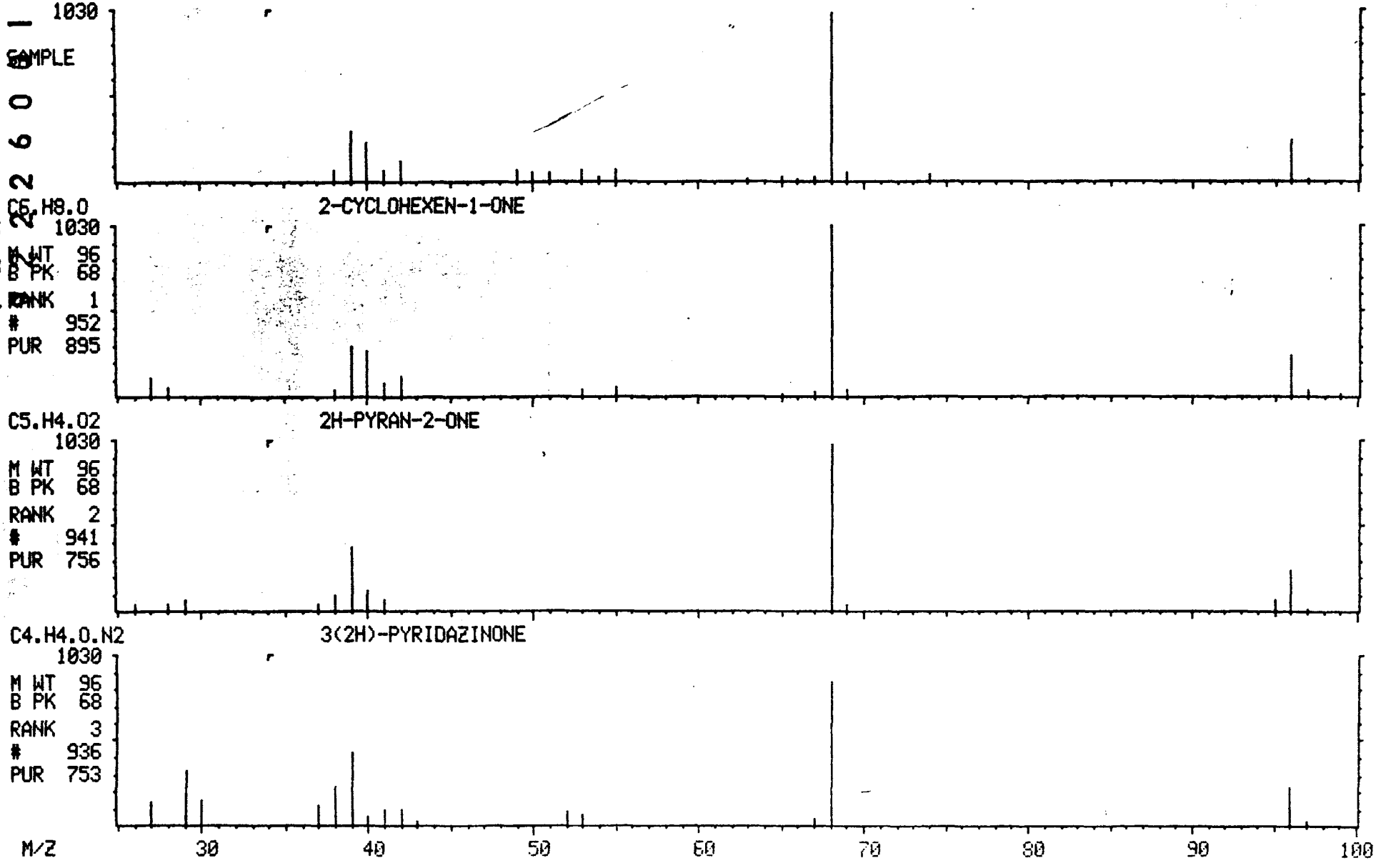


9222600175 5

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 10:10
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1025
CALI: APR02GK05 # 3

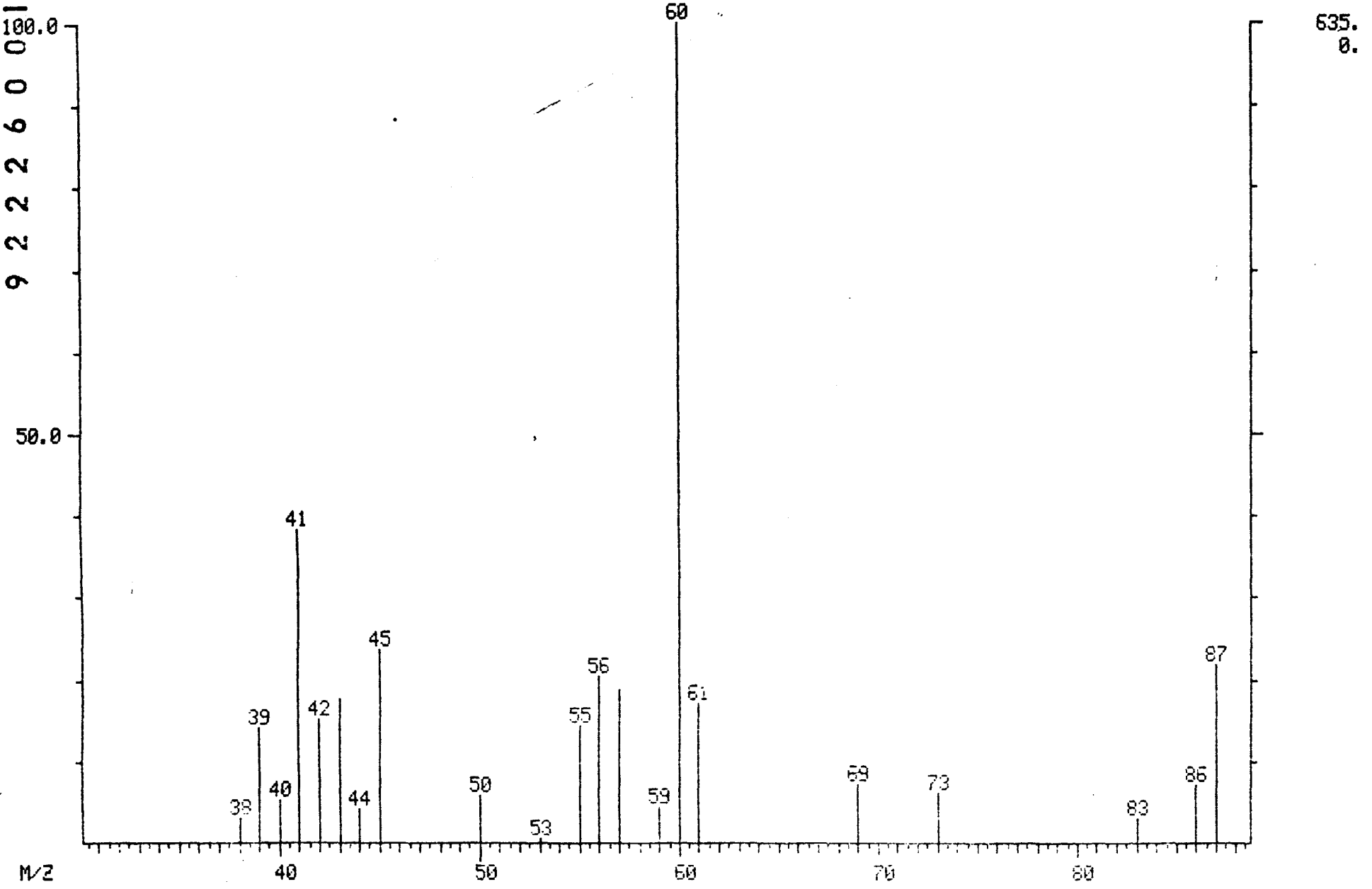
BASE M/Z: 68
RIC: 4068.



MASS SPECTRUM
04/02/91 13:06:00 + 10:14
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1032
CALI: APR02GK05 #3

BASE M/Z: 60
RIC: 2224.



9222600017757

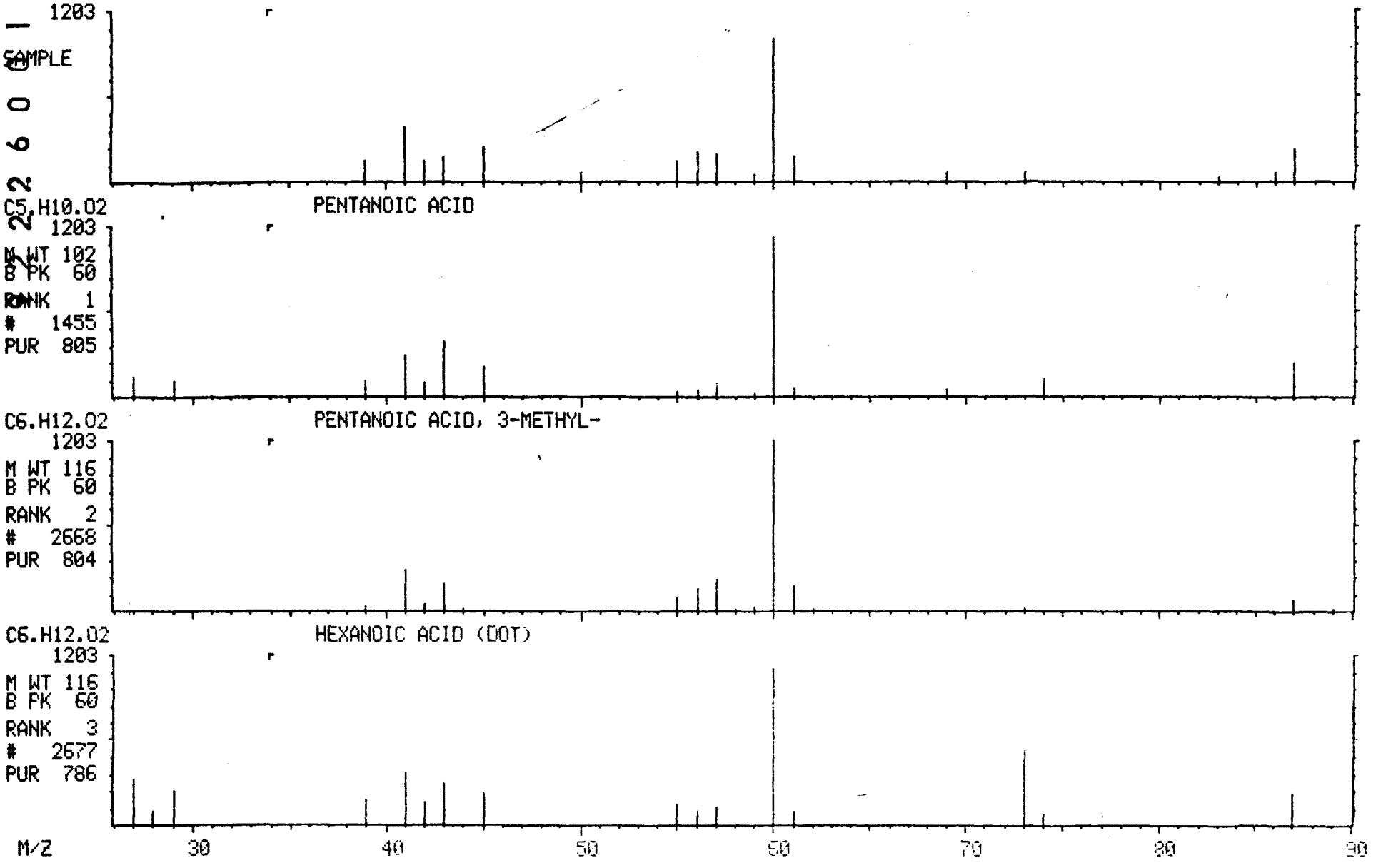
003081

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 10:14
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1032
CALI: APR02GK05 # 3

BASE M/Z: 60
RIC: 2136.

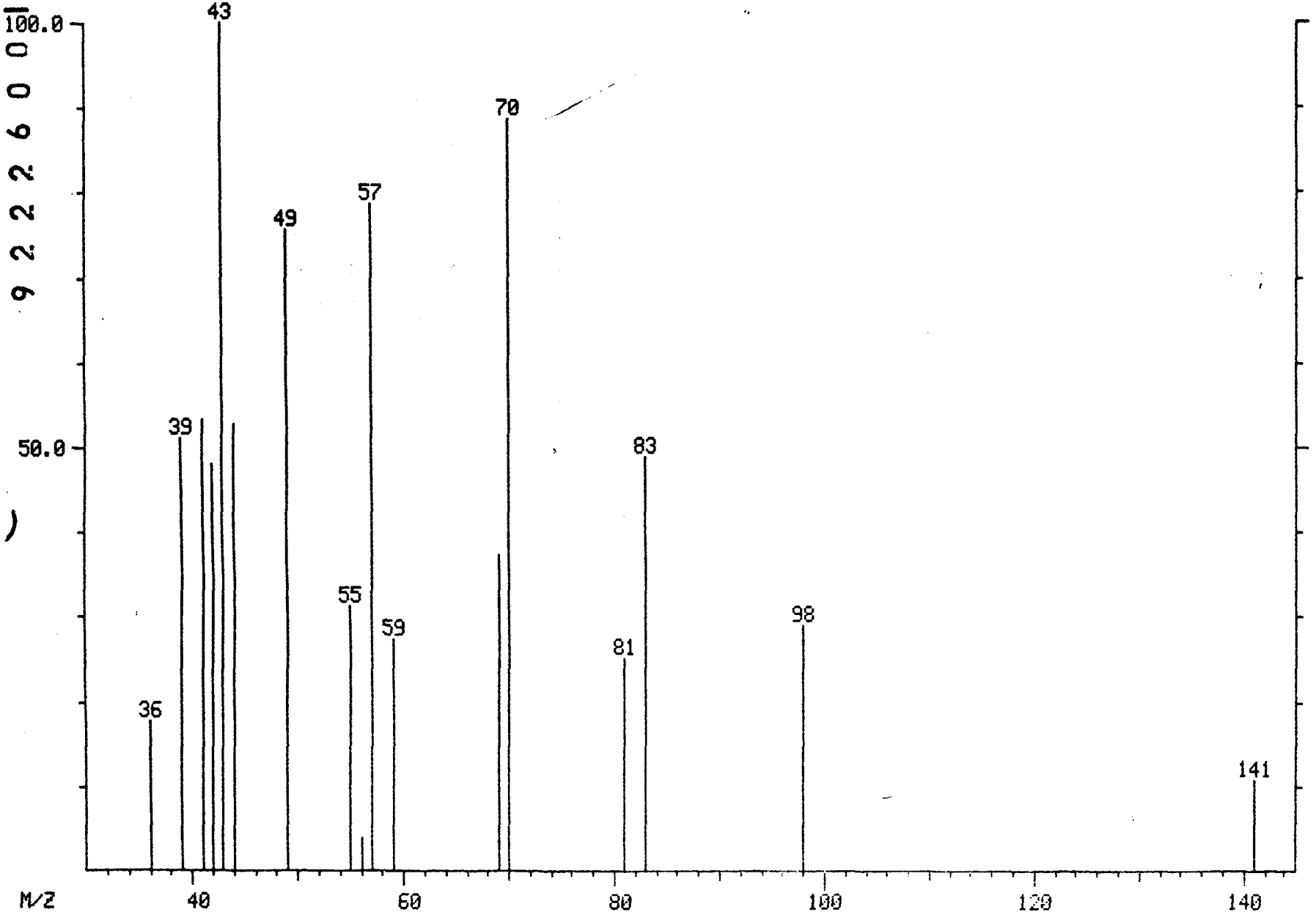
001082



MASS SPECTRUM
04/02/91 13:06:00 + 12:41
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 127 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1279
CALI: APR02GK05 #3

BASE M/Z: 43
RIC: 1021.



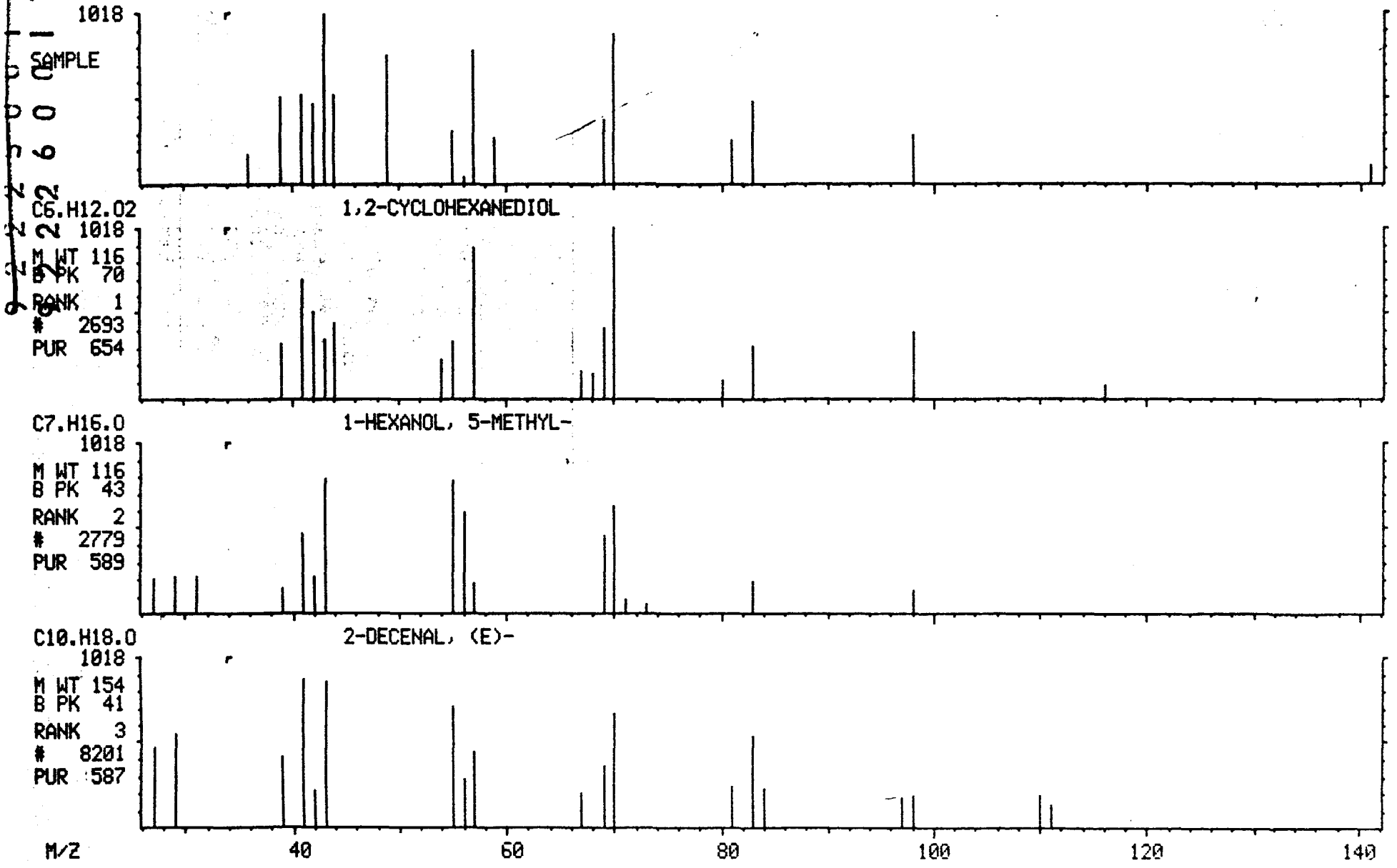
131.
0.

00108 3
9 2 2 2 6 0 0 1 7 5 9

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 12:41
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1279
CALI: APR02GK05 # 3

BASE M/Z: 43
RIC: 1021.

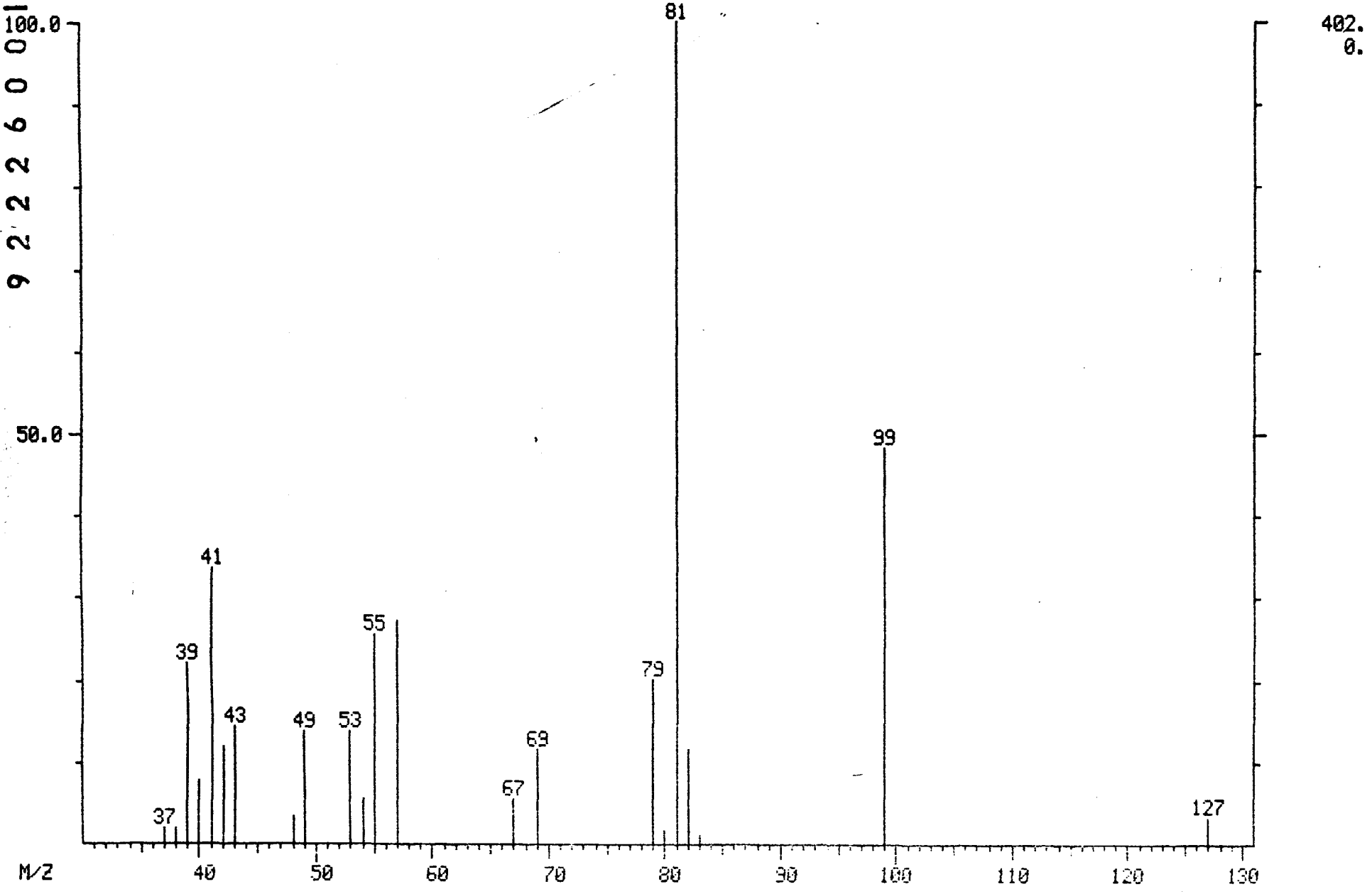


MASS SPECTRUM
04/02/91 13:06:00 + 15:27
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 155 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1558
CALI: APR02GK05 #3

BASE M/Z: 81
RIC: 1558.

001085

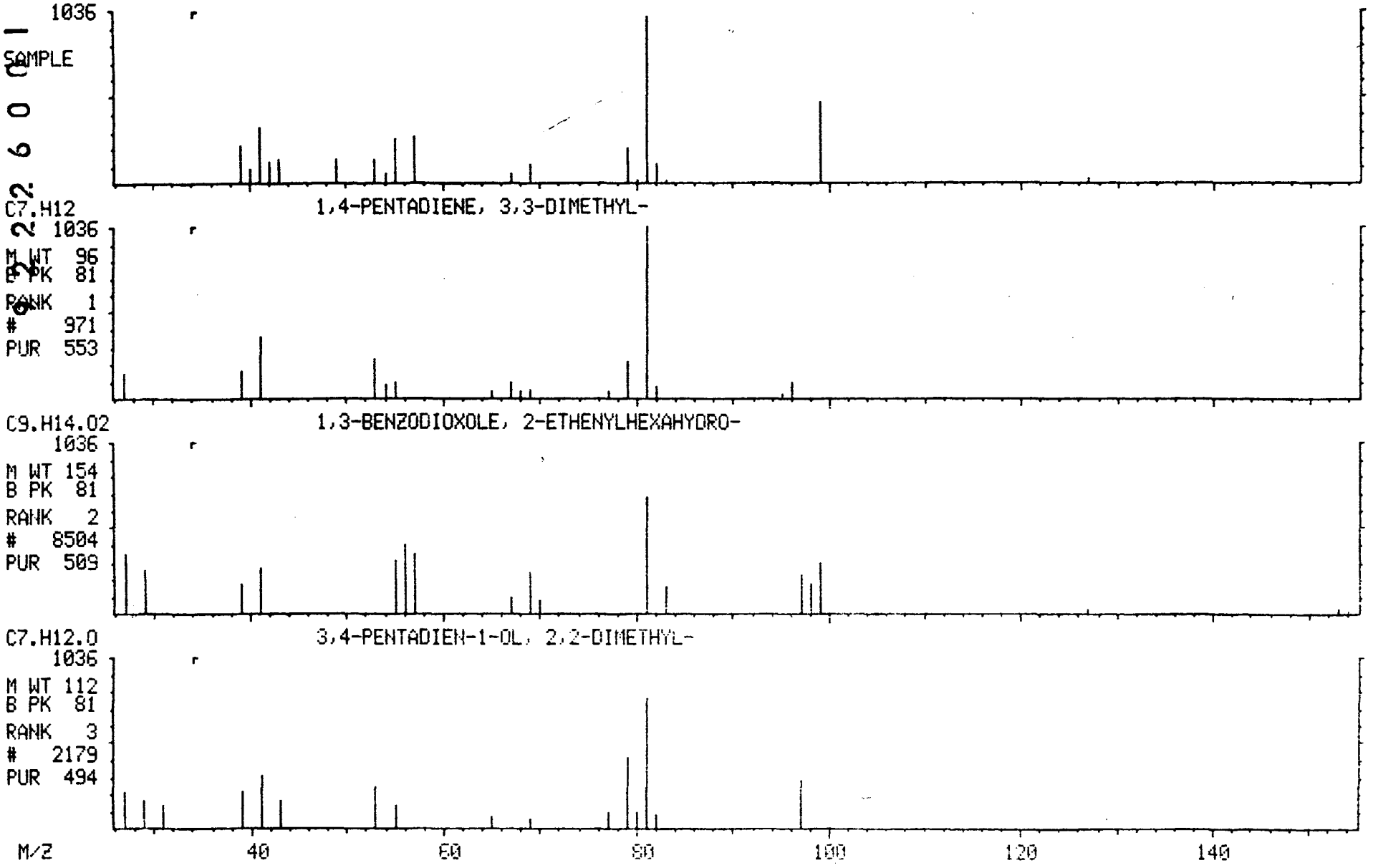


MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 15:27
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #1558
CALI: APR02GK05 # 3

BASE M/Z: 81
RIC: 1528.

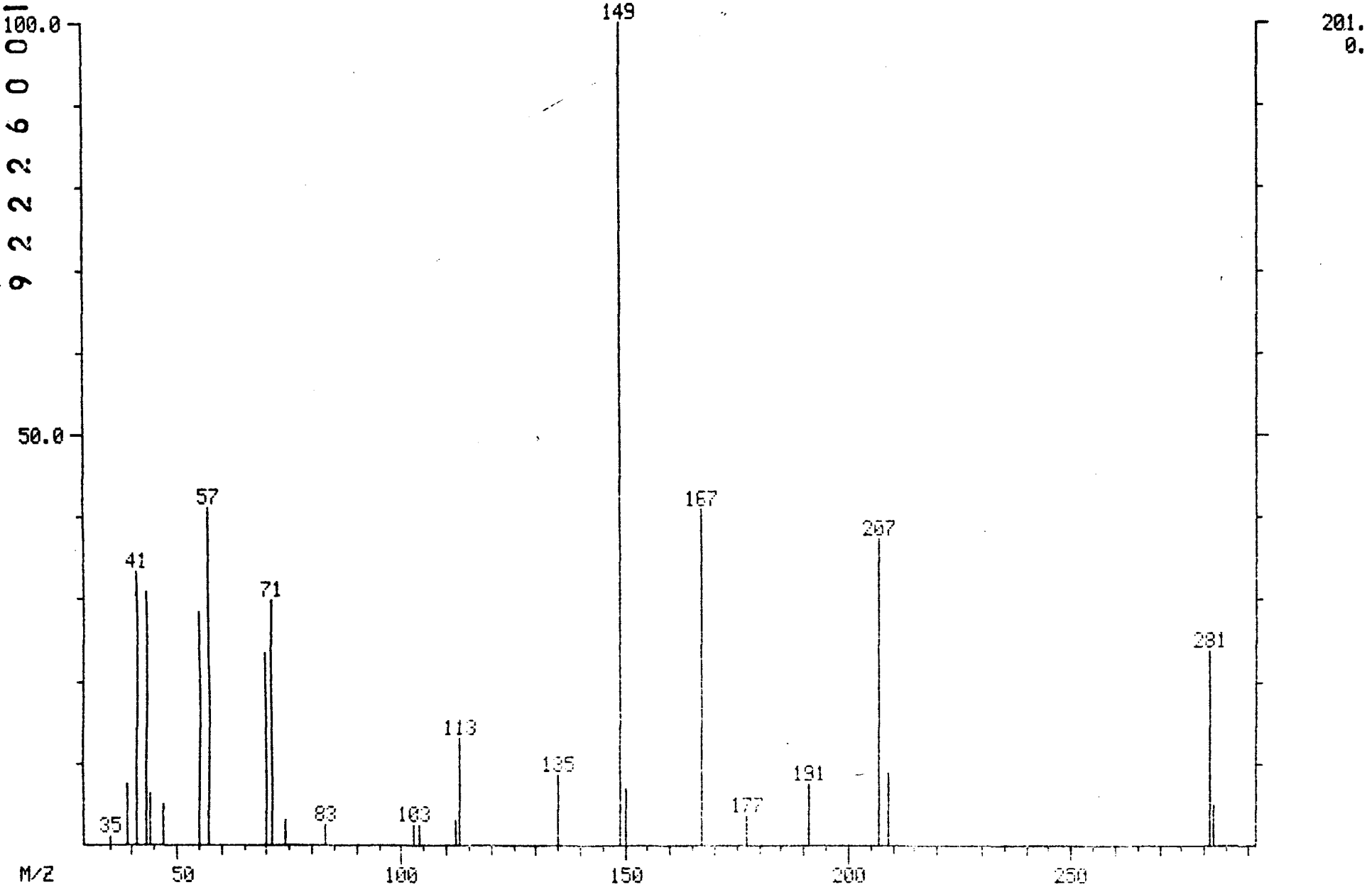
001086



MASS SPECTRUM
04/02/91 13:06:00 + 31:21
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #3163
CALI: APR02GK05 #3

BASE M/Z: 149
RIC: 956.



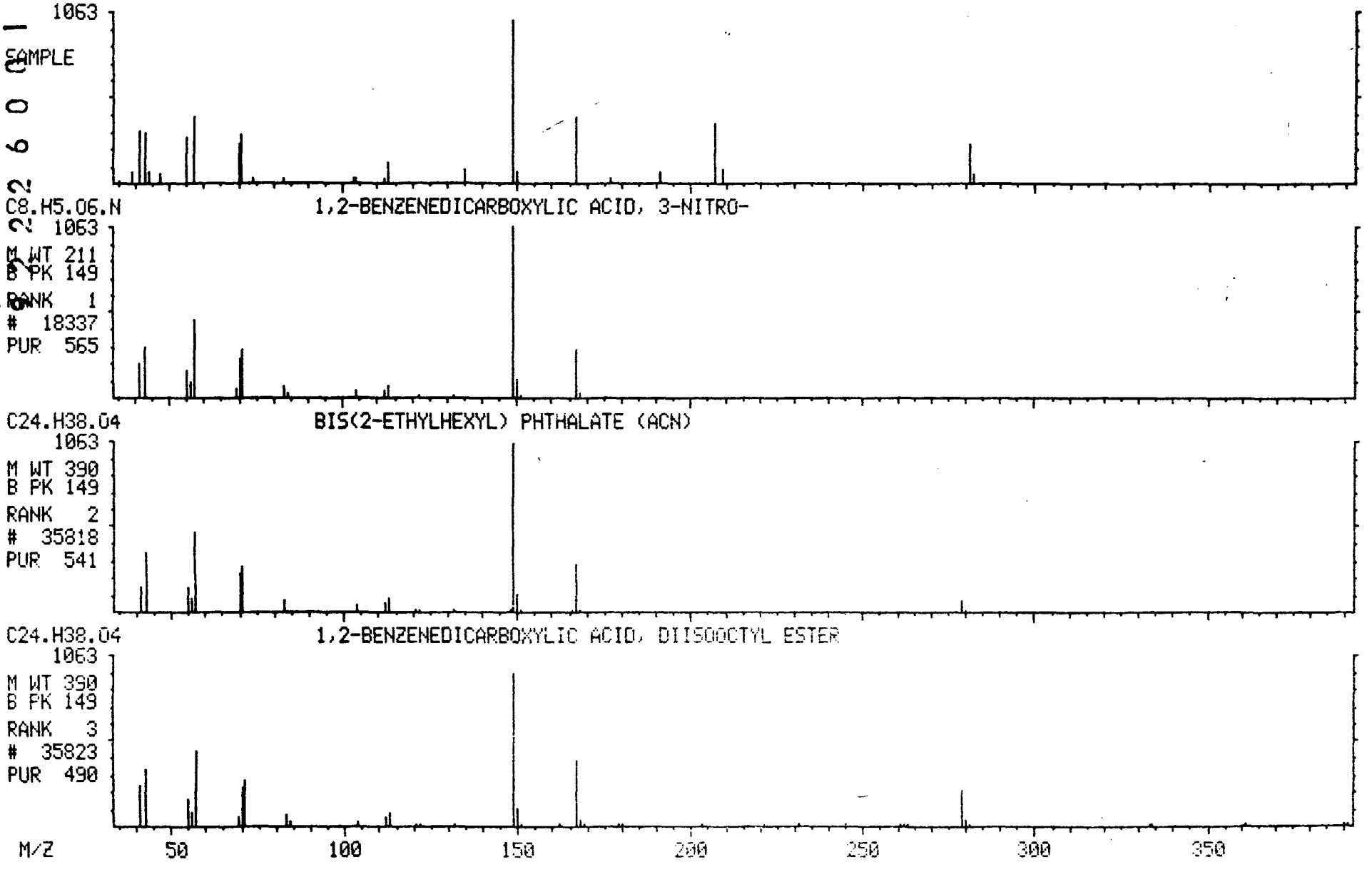
9222260017763

001047

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 13:06:00 + 31:21
SAMPLE: 90896 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK05 #3163
CALI: APR02GK05 # 3

BASE M/Z: 149
RIC: 956.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G204

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

9222600176 5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

G204

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

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

CAS NO.	COMPOUND		Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

9222600170 9222600176

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

G204

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190897

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02GK06

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.0

Number TICs found: 6

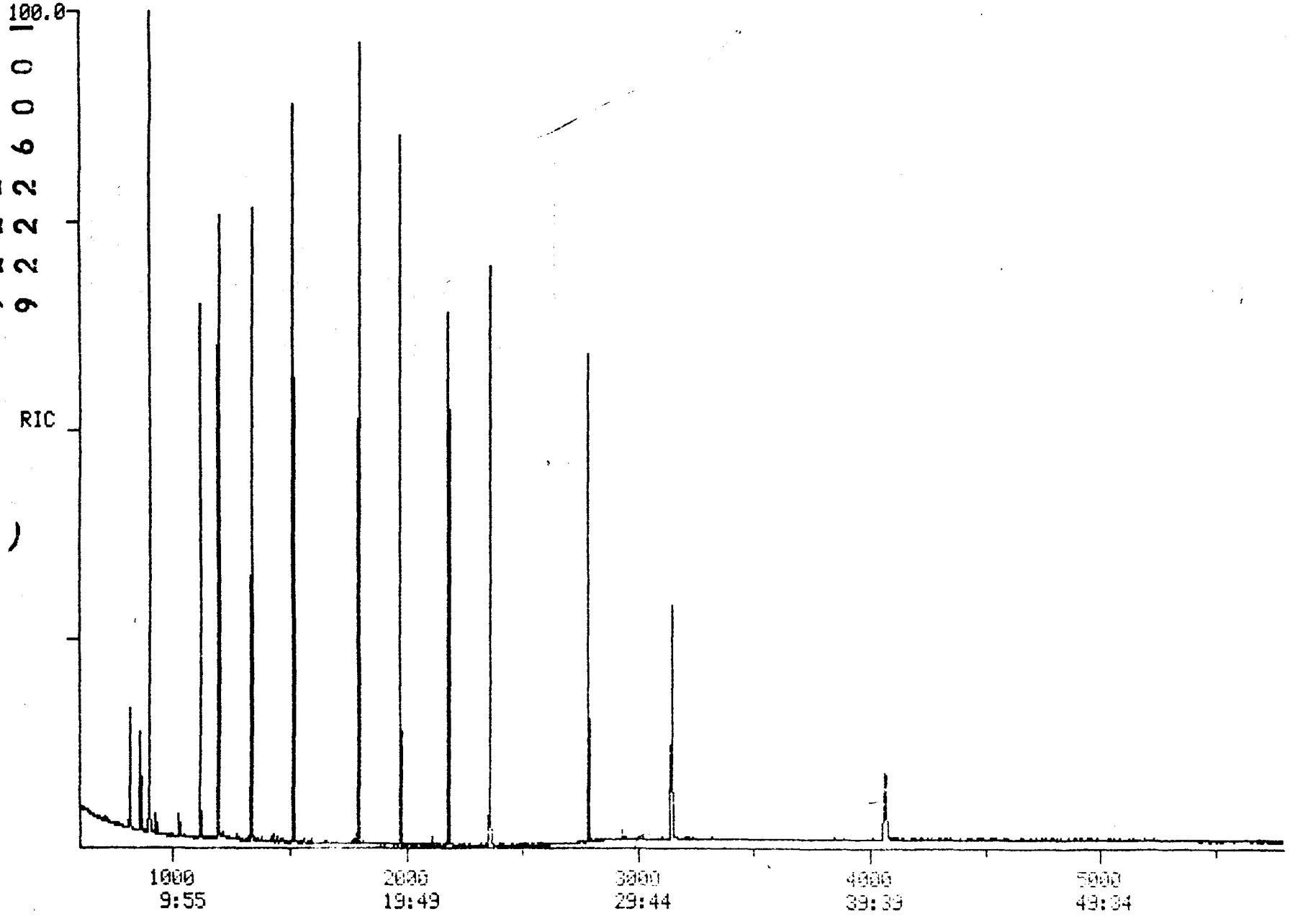
CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.10	6.7	BAJ
2.	UNKNOWN	8.55	5.4	BJ
3.	UNKNOWN	9.20	0.98	J
4.	UNKNOWN ALIP. KETONE	10.19	1.3	BAJ
5.	UNKNOWN	12.07	0.27	J
6.	UNKNOWN	29.07	0.62	J

G204

RIC
04/02/91 14:14:00
SAMPLE: 90897 OH-/H+ 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: APR02GK06 #1 SCANS 600 TO 5800
CALI: APR02GK06 #3



113008.

001092

9222600017768

```
4/2/91     14:14:40
   Acquisition started


4/2/91     14:14:42
Acquire                          Run 4:APR02GK06          Starting
04/02/91 14:14:00 +  0:00        Free sectors:   4572     Scan: 0 of 5800
Sample: 90897 OH-/H+ CLP    1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula:                         Instrument: INC500       Weight:     0.000
Submitted by: SG                 Analyst: GK              Acct. No:

                    *** Autosampler is ready ***
AS Desc.: GG                     Inject. Vol.:  0.5
                    *** GC not ready and being equilibrated ***
GC Desc.: BN                                    Elapsed time :    0.0 Min
Seq.  Temp     Rate      Time (minutes)
 #   (DegC)  (C/min)  period     total      Injector A    :  260 Deg C
 1   40- 40     -       4.0       4.0       GC oven       :   43 Deg C
 2   40-280   10.0      24.0      28.0       Transfer-line:  271 Deg C
 3  280-280     -       32.0      60.0       Ion source    :  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

4/2/91 15:14:34
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	6.9	3449.4	0.2	103844. 18.	30.

Quantitation Report File: APR02GK06

Data: APR02GK06.TI
04/02/91 14:14:00
Sample: 90897 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

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

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

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1195	11:51	1	1.000	A BV	62156.	40.000 UG/L	5.62
2	NOT FOUND								
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	901	8:56	1	0.754	A BV	92876.	65.089 %	9.14
15	99	1117	11:04	1	0.935	A BV	66076.	44.024 %	6.18
16	136	1515	15:01	16	1.000	A BB	144032.	40.000 UG/L	5.62
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	82	1336	13:15	16	0.882	A BB	95696.	92.458 %	12.98
31	162	1976	19:35	31	1.000	A BB	65294.	40.000 UG/L	5.62
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	1798	17:49	31	0.910	A BV	110288.	93.269 %	13.10

Quantitation Report File: APR02GK06

Data: APR02GK06.TI
04/02/91 14:14:00
Sample: 90897 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

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

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

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	330	2183	21:38	31	1.105	A BB	20978.	72.046	%	10.12
52	188	2362	23:25	52	1.000	A BV	92686.	40.000	UG/L	5.62
53	NOT FOUND									
54	NOT FOUND									
55	NOT FOUND									
56	NOT FOUND									
57	NOT FOUND									
58	NOT FOUND									
59	149	2522	25:00	52	1.068	A BB	300.	0.089	UG/L	0.01
60	NOT FOUND									
61	NOT FOUND									
62	NOT FOUND									
63	NOT FOUND									
64	240	3146	31:11	64	1.000	A BB	55504.	40.000	UG/L	5.62
65	149	2933	29:04	64	0.932	A BB	1256.	1.130	UG/L	0.16

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3164	31:22	64	1.006	A*BB	136.	0.107 UG/L	0.02
69	NOT FOUND								
70	244	2785	27:36	64	0.885	A BB	75102.	103.972 %	14.60
71	264	4066	40:18	71	1.000	A BB	31241.	40.000 UG/L	5.62
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222250017774

001098

Quantitation Report File: APR02GK06A

Data: APR02GK06.TI
04/02/91 14:14:00
Sample: 90897 OH-/H+ CLP 1UL-1.0ML
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: GK Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.067
Resp. fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	822-67-3	2-CYCLOHEXEN-1-OL
4	930-68-7	2-CYCLOHEXEN-1-ONE
5	3524-73-0	1-HEXENE, 5-METHYL-
6	85-68-7	BENZYL BUTYL PHTHALATE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	818	8:06	1	1.000	A BB	57769.VNK	6.700 BA	44.09
2	RIC	863	8:33	1	1.055	A BB	46253.VNK	5.364 B	35.30
3	RIC	929	9:12	1	1.136	A BB	8445.VNK	0.980	6.45
4	RIC	1028	10:11	1	1.257	A BB	10912.Ethyl Ketone	1.266 BA	8.33
5	RIC	1217	12:04	1	1.488	A BB	2303.VNK	0.267	1.76
6	RIC	2933	29:04	1	3.586	A BB	5332.VNK	0.618	4.07

$$\frac{57769}{347223} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.067$$

9222600177

001099

9222600177 6

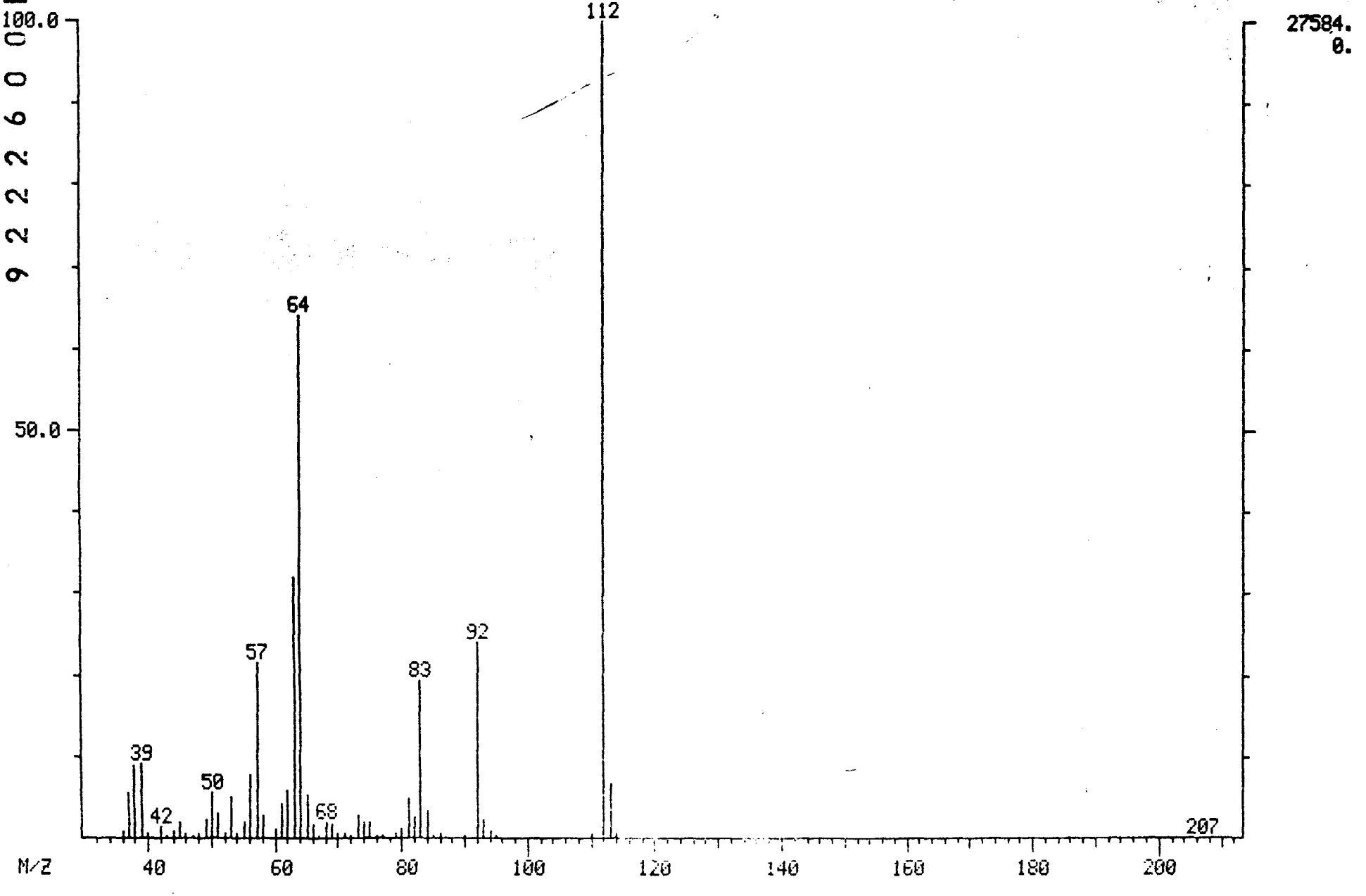
TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 14:14:00 + 8:56
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #901
CALI: APR02GK06 #3

BASE M/Z: 112
RIC: 103888.

001101

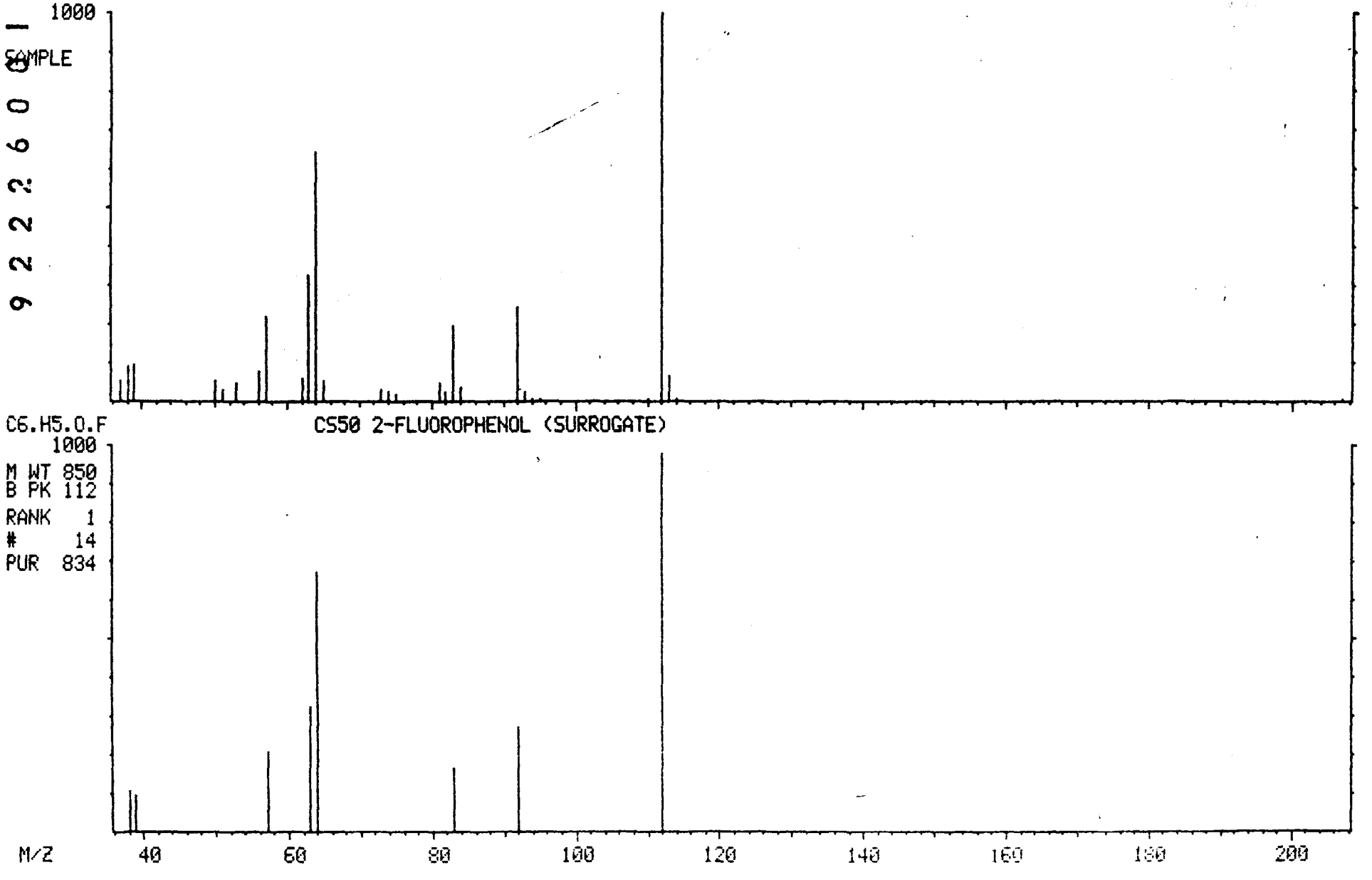


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 8:56
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 # 901
CALI: APR02GK06 # 3

BASE M/Z: 112
RIC: 95232.

001102

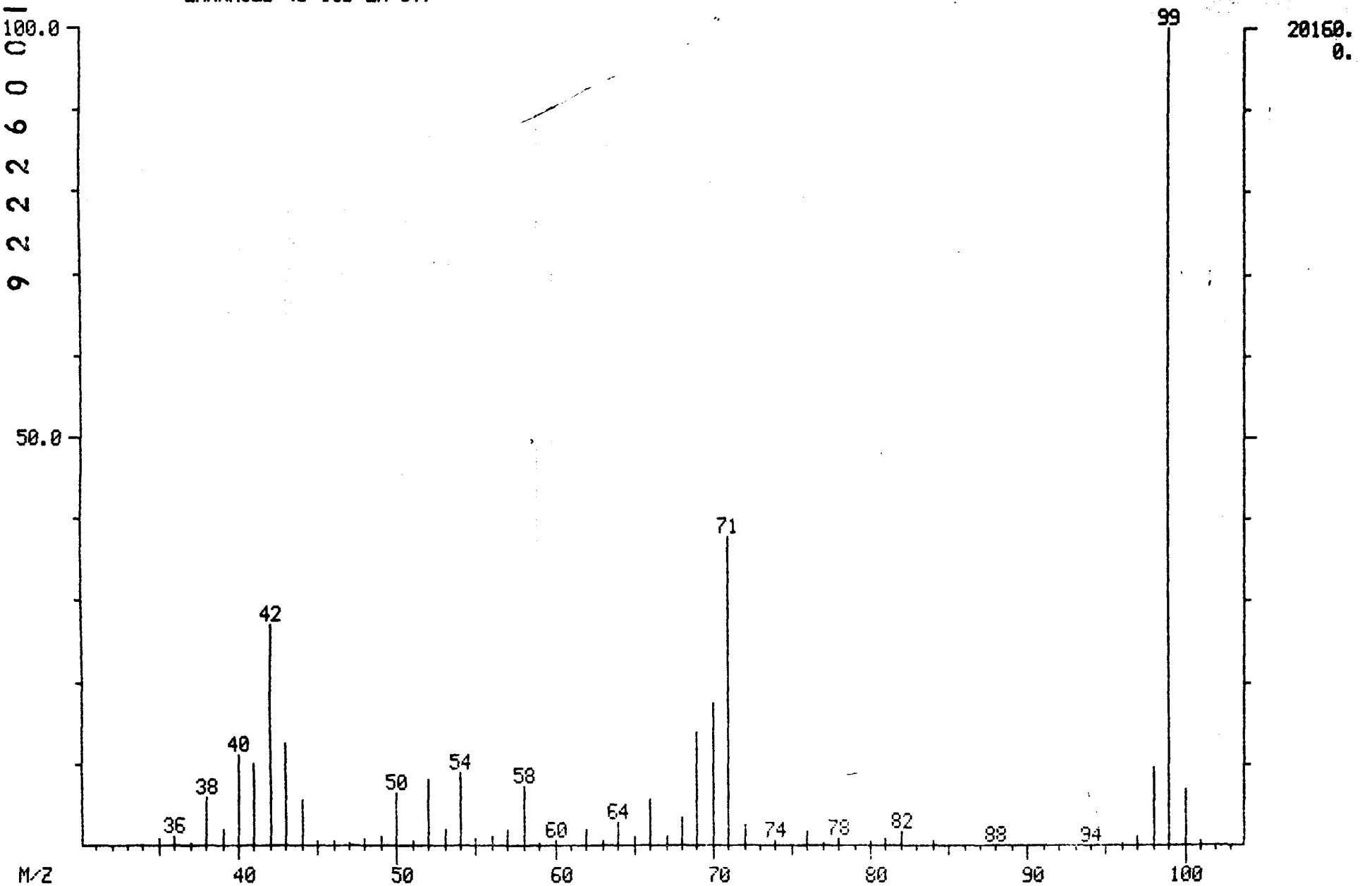


MASS SPECTRUM
04/02/91 14:14:00 + 11:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1117
CALI: APR02GK06 #3

BASE M/Z: 99
RIC: 66432.

001103

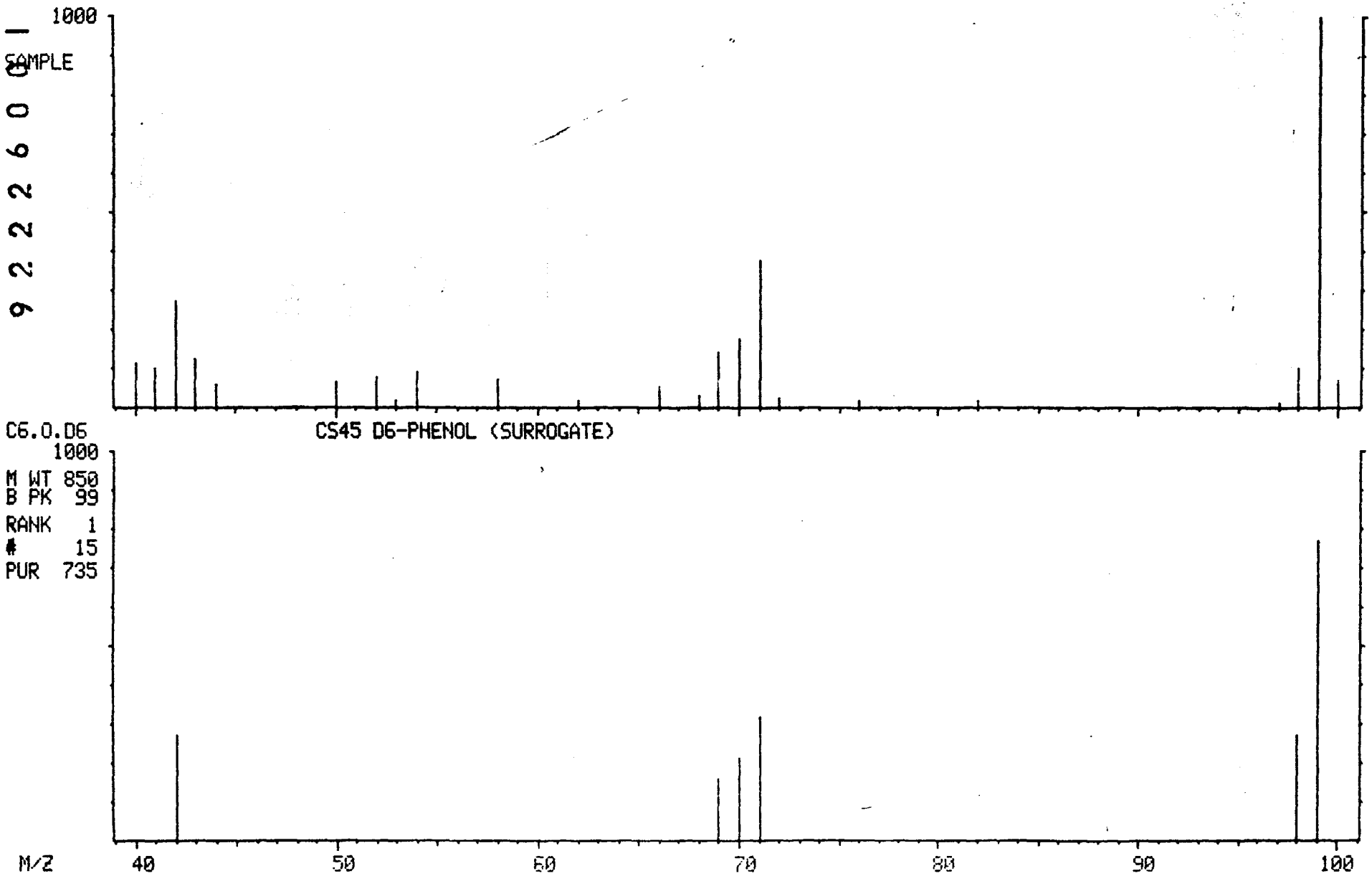


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 11:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1117
CALI: APR02GK06 # 3

BASE M/Z: 99
RIC: 50736.

001104

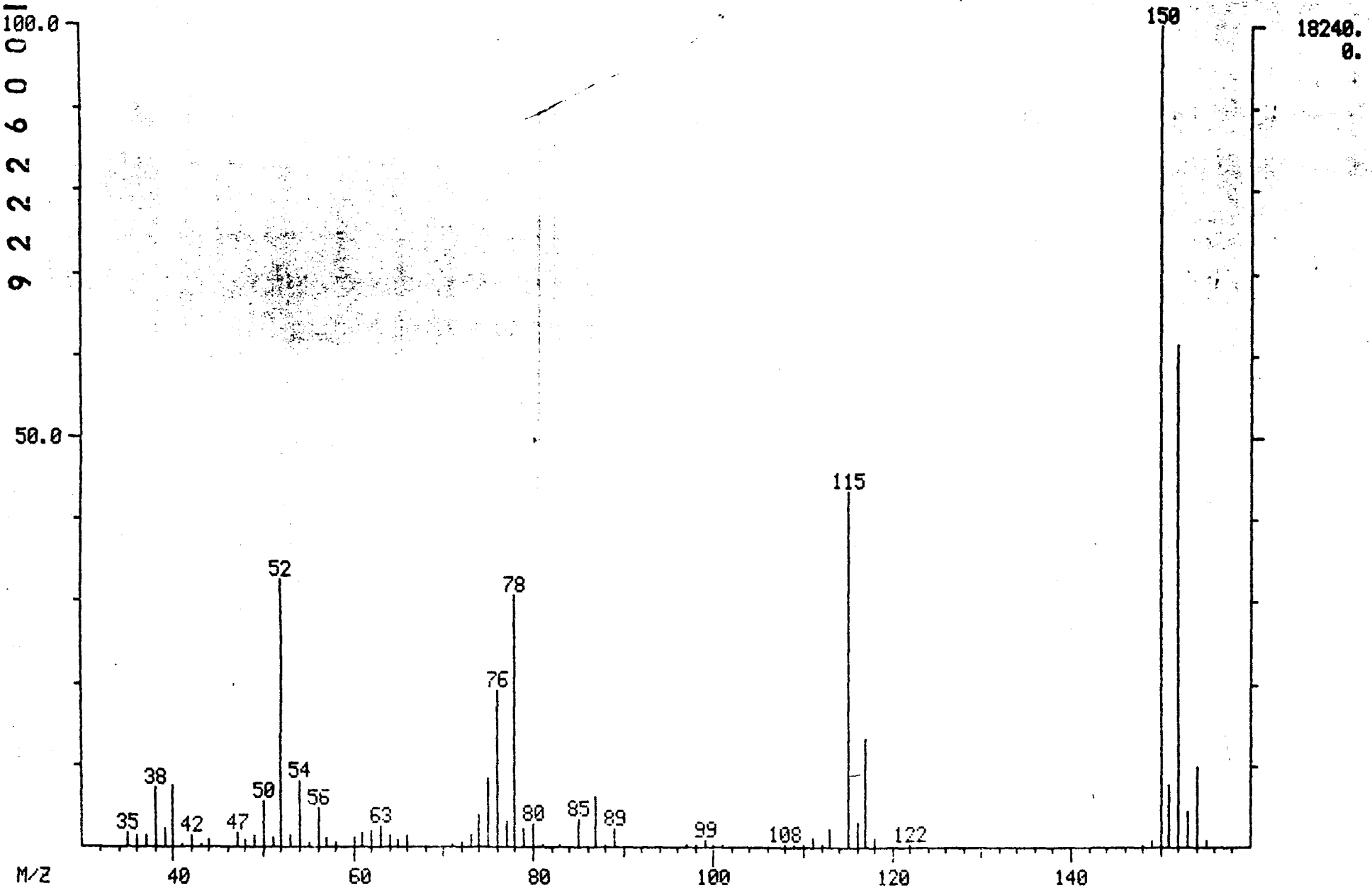


MASS SPECTRUM
04/02/91 14:14:00 + 11:51
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 118 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1195
CALI: APR02GK06 #3

BASE M/Z: 150
RIC: 78976.

001105

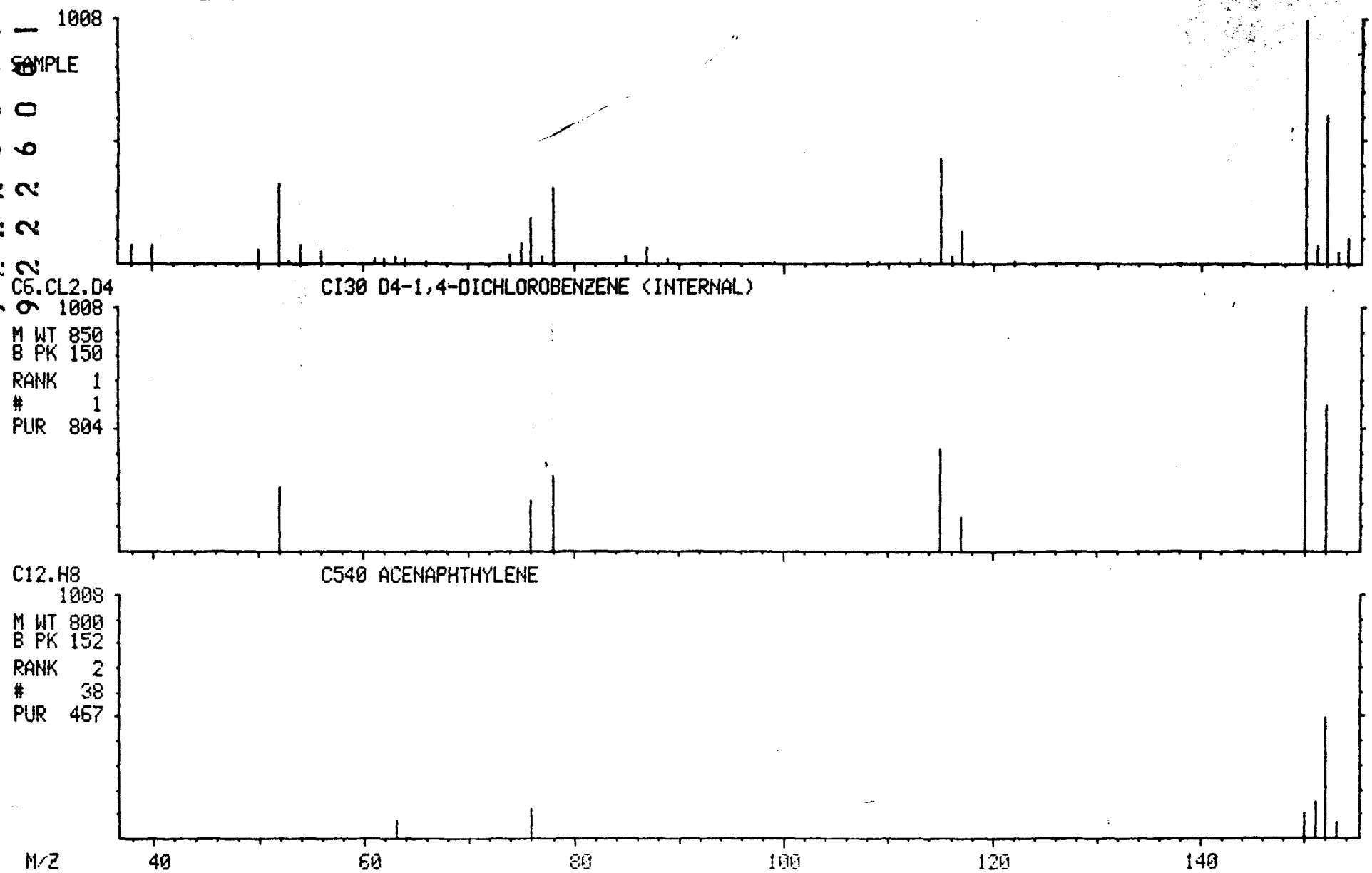


MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 11:51
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1195
CALI: APR02GK06 # 3

BASE M/Z: 150
RIC: 73472.

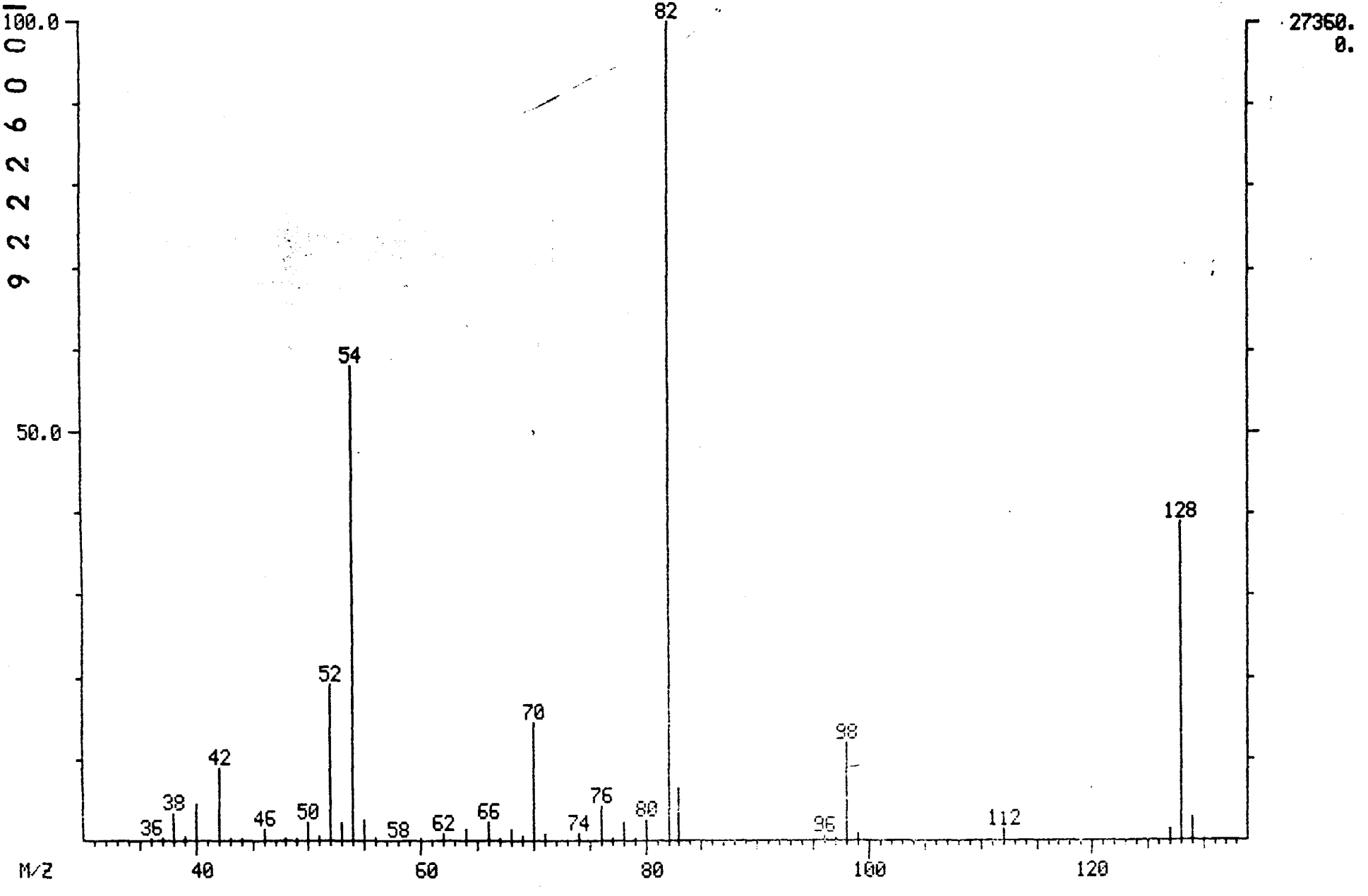
001106



MASS SPECTRUM
04/02/91 14:14:00 + 13:15
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1336
CALI: APR02GK06 #3

BASE M/Z: 82
RIC: 82688.



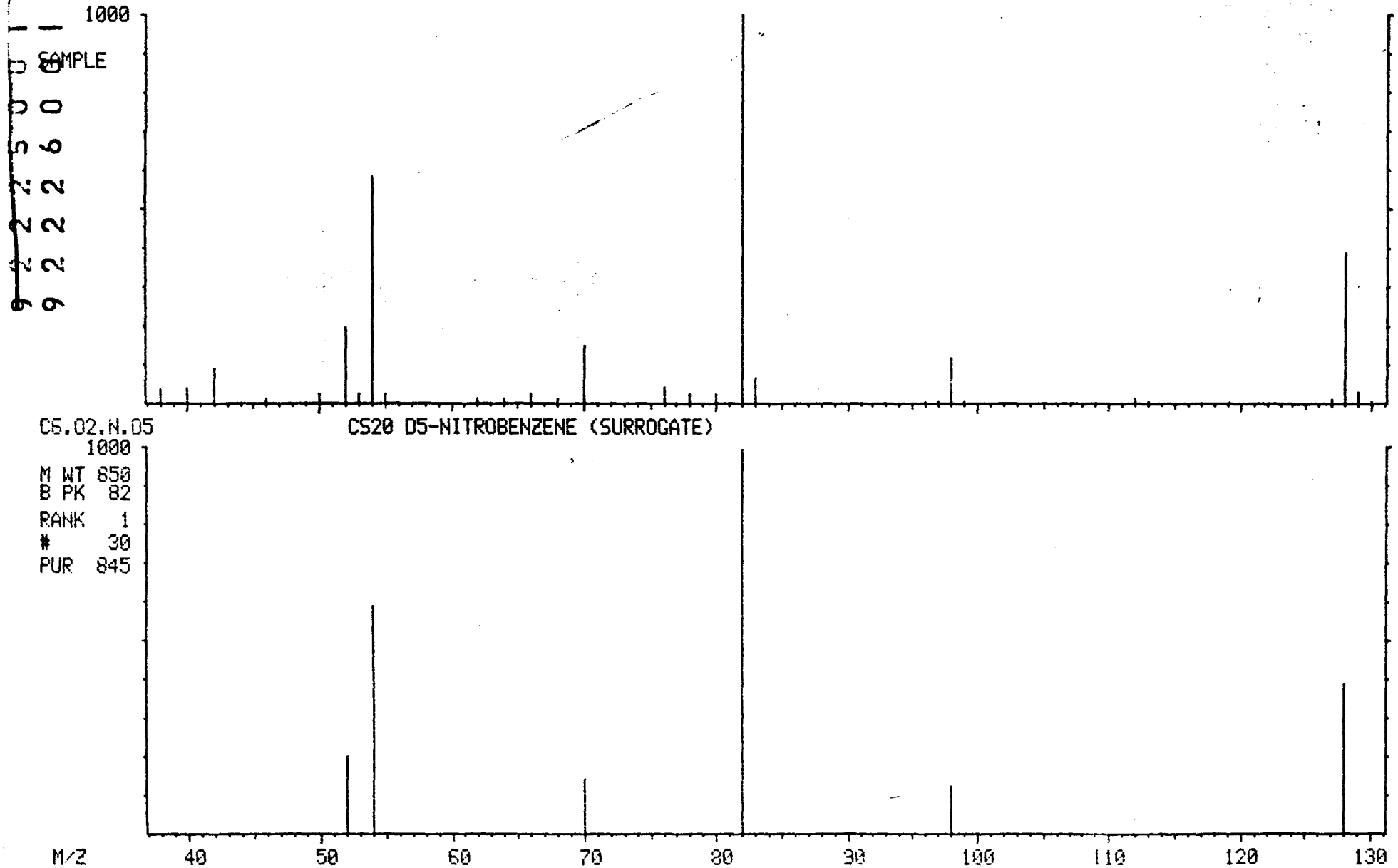
9222600017783

001107

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 13:15
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1336
CALI: APR02GK06 # 3

BASE M/Z: 82
RIC: 80896.

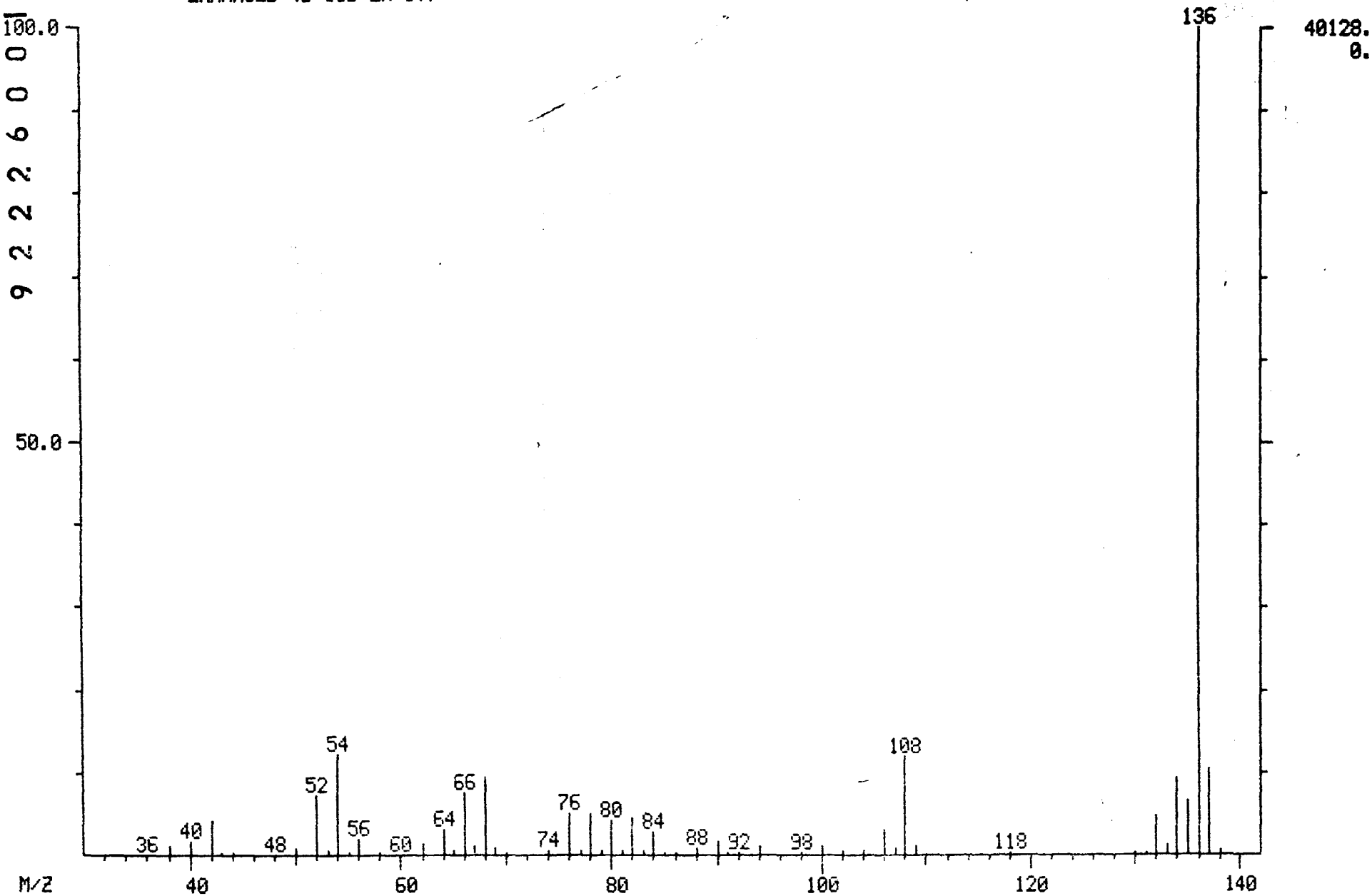


MASS SPECTRUM
04/02/91 14:14:00 + 15:01
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1515
CALI: APR02GK06 #3

BASE M/Z: 136
RIC: 94976.

001109

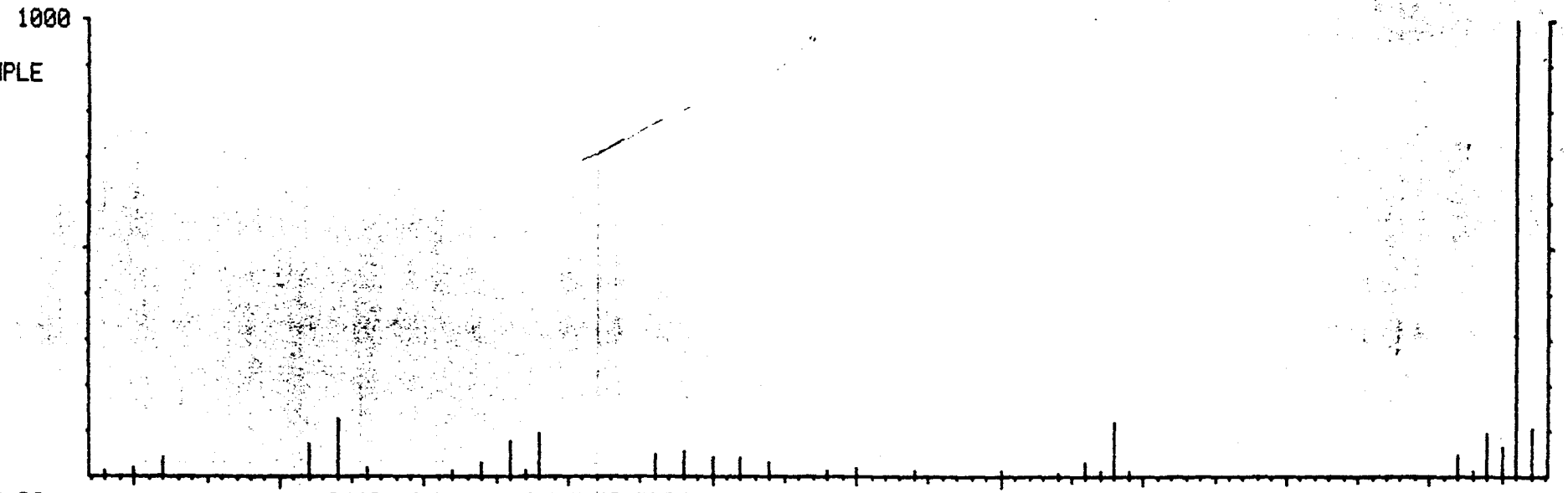


9222600017785

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 15:01
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

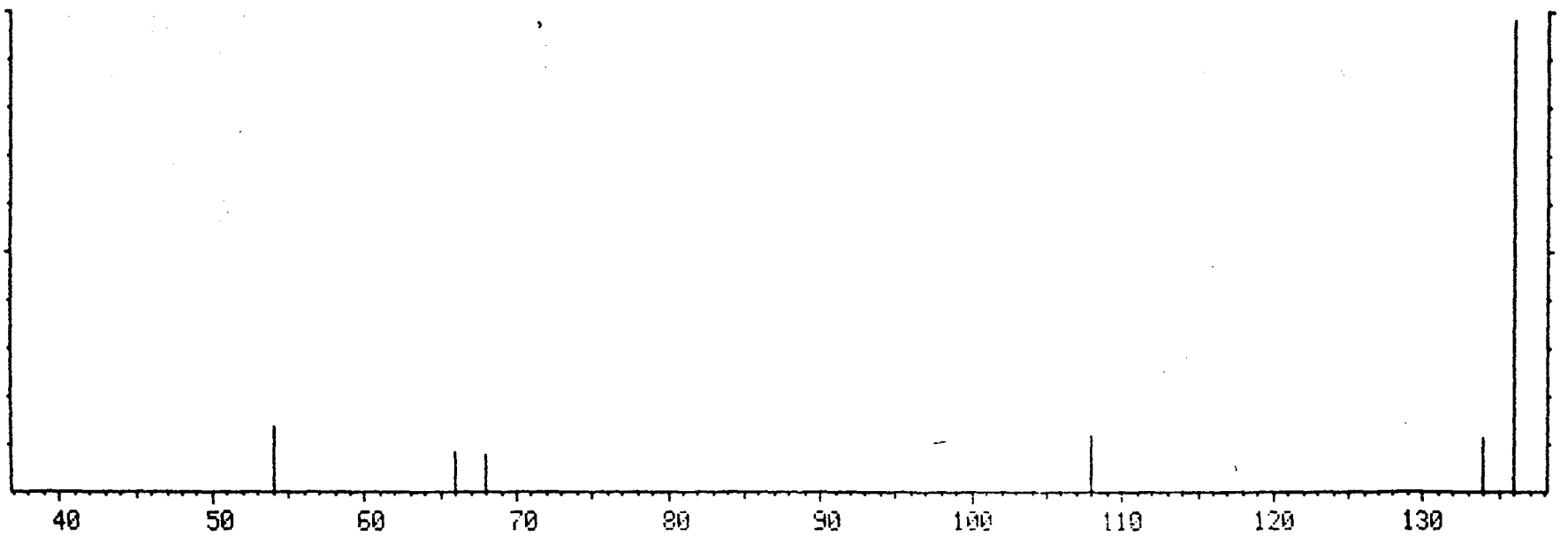
DATA: APR02GK06 #1515
CALI: APR02GK06 # 3

BASE M/Z: 136
RIC: 90752.



C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)

M WT 850
B PK 136
RANK 1
16
PUR 722

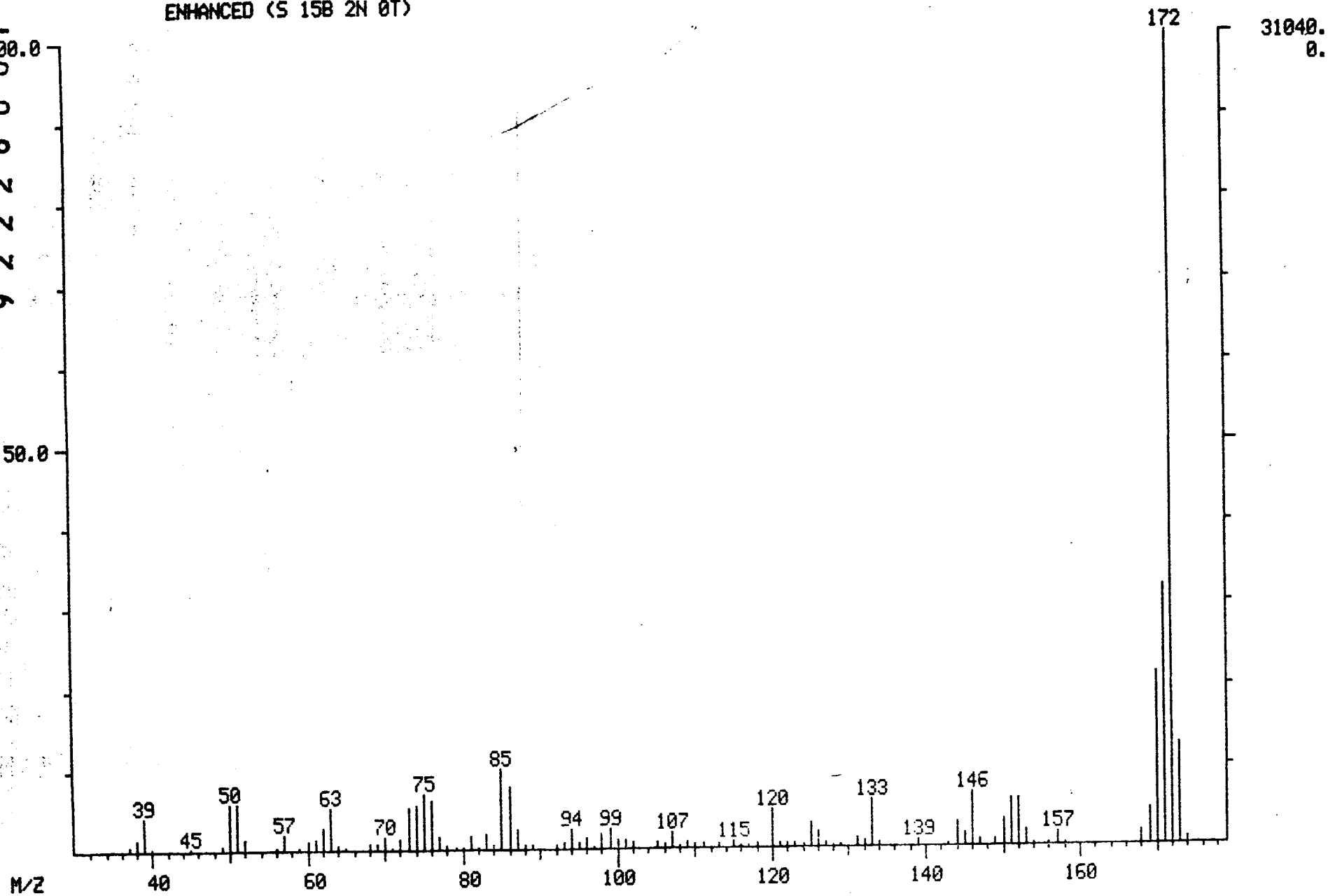


MASS SPECTRUM
04/02/91 14:14:00 + 17:49
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1798
CALI: APR02GK06 #3

BASE M/Z: 172
RIC: 105472.

001110



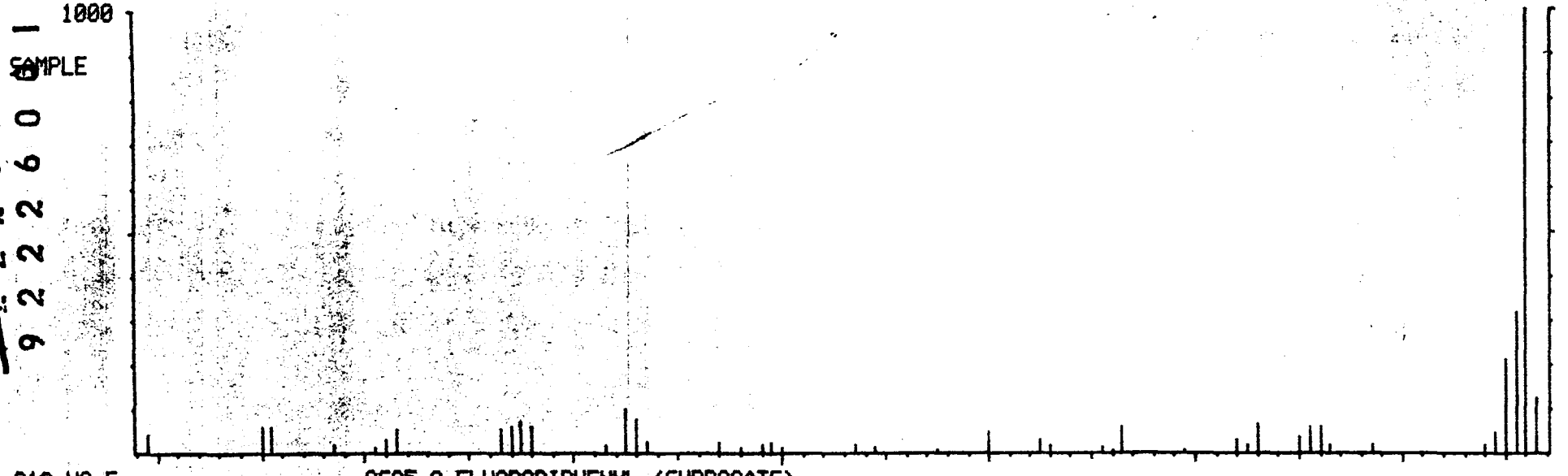
9222250017287

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 17:49
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

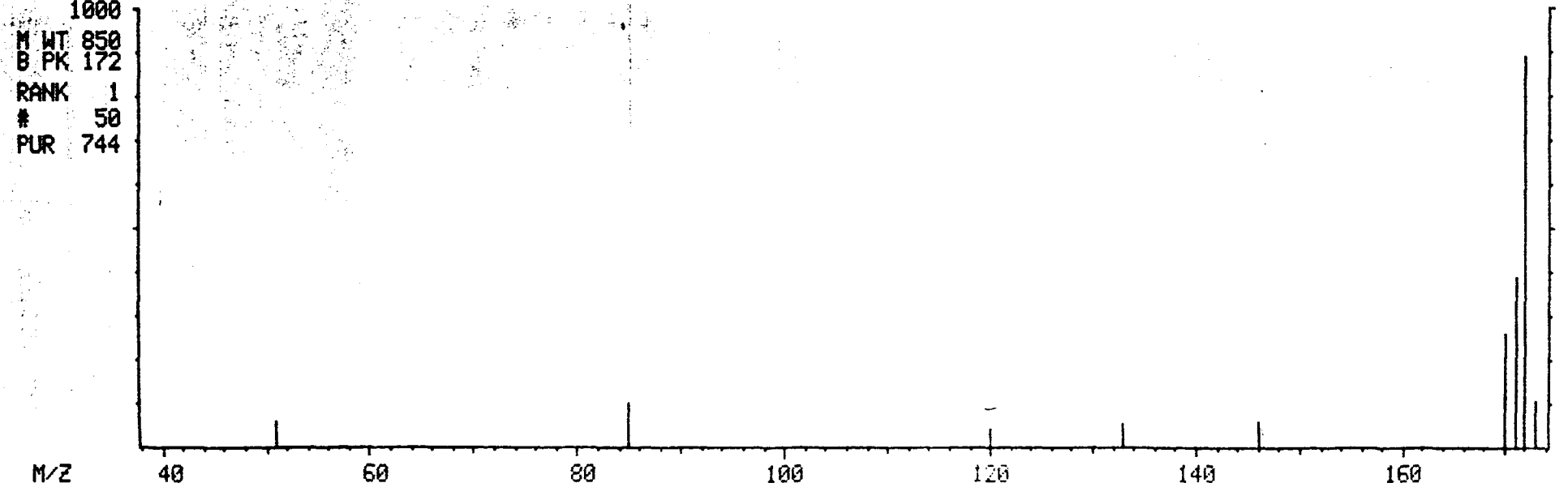
DATA: APR02GK06 #1798
CALI: APR02GK06 # 3

BASE M/Z: 172
RIC: 94592.

00111



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

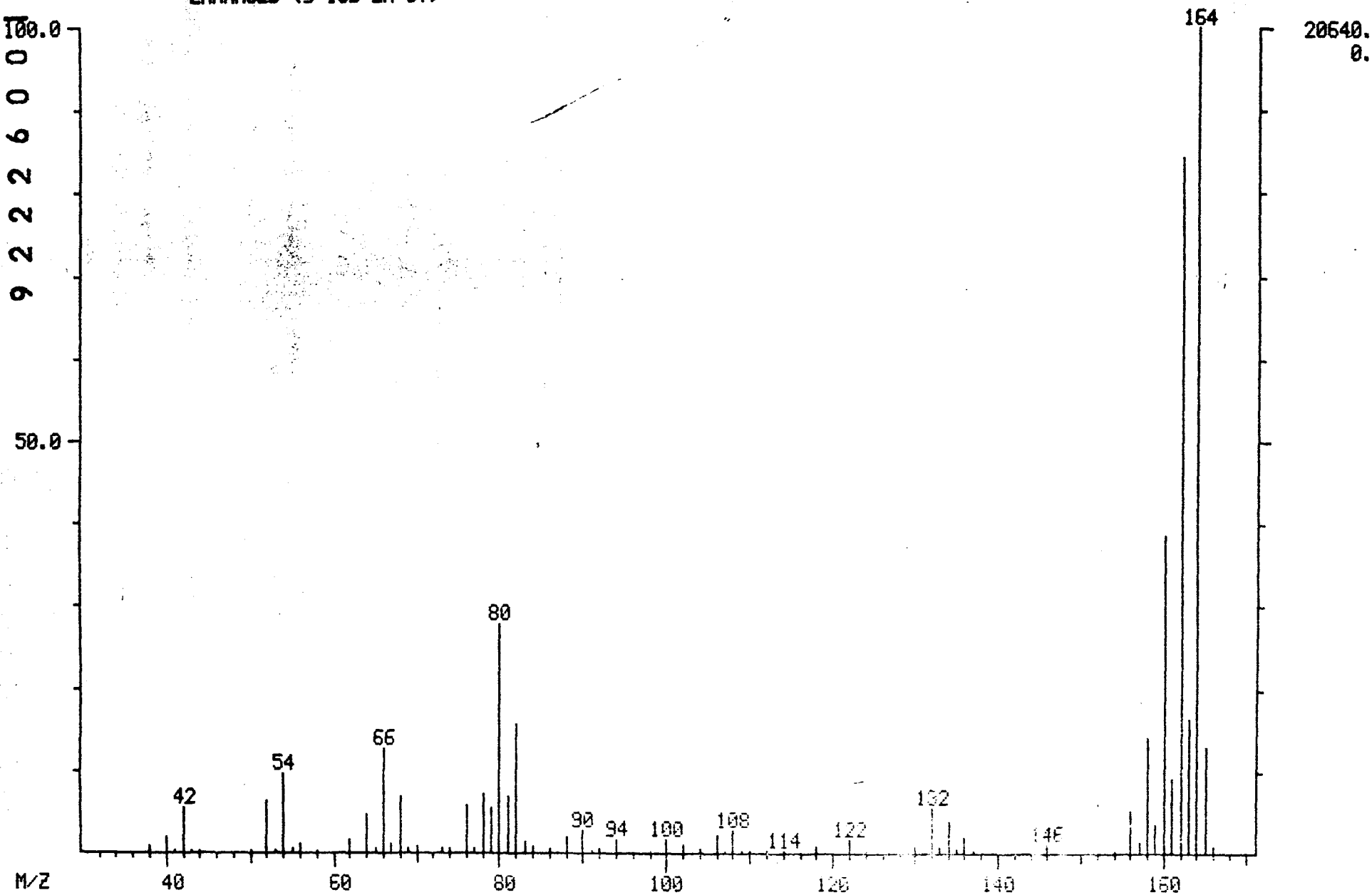


MASS SPECTRUM
04/02/91 14:14:00 + 19:35
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1976
CALI: APR02GK06 #3

BASE M/Z: 164
RIC: 93696.

001112



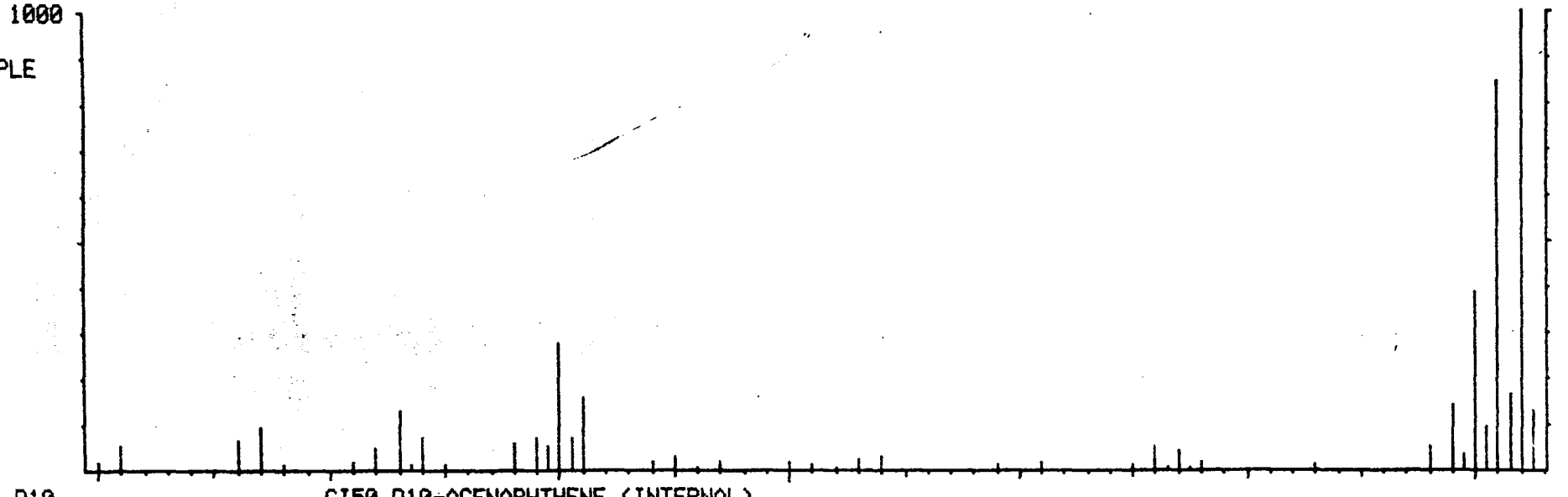
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 19:35
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1976
CALI: APR02GK06 # 3

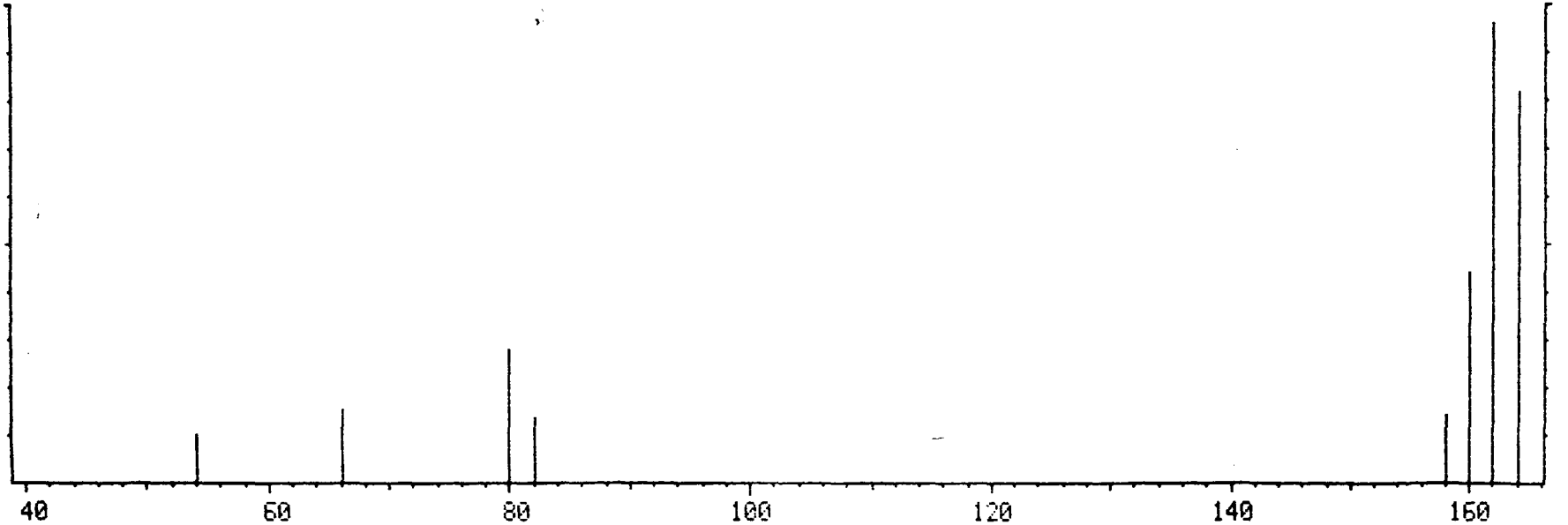
BASE M/Z: 164
RIC: 90624.

001113

9222600179 0



C12.D10 CI50 D10-ACENAPHTHENE (INTERNAL)

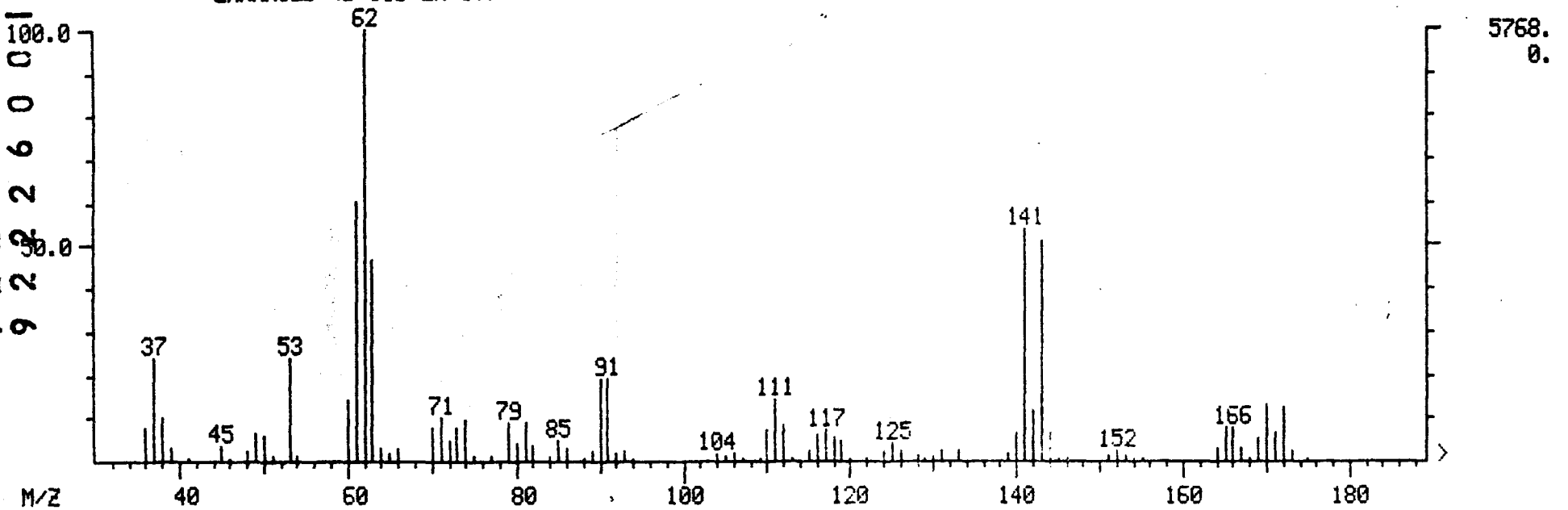


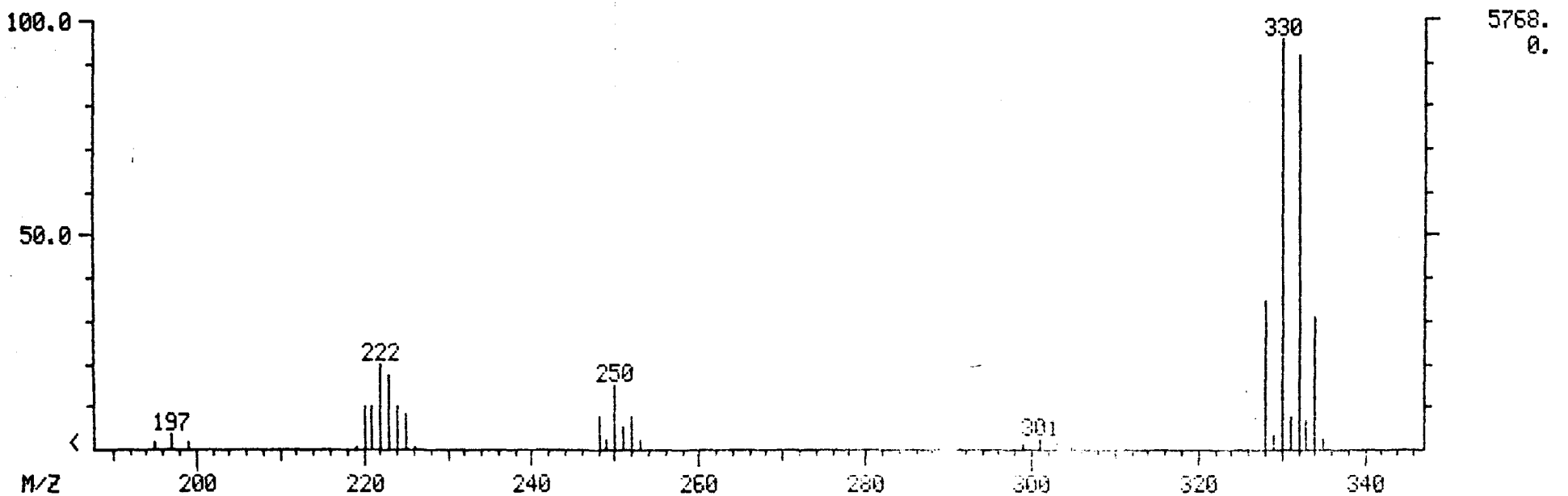
M/Z 40 60 80 100 120 140 160

MASS SPECTRUM
04/02/91 14:14:00 + 21:38
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2183
CALI: APR02GK06 #3

BASE M/Z: 62
RIC: 65408.





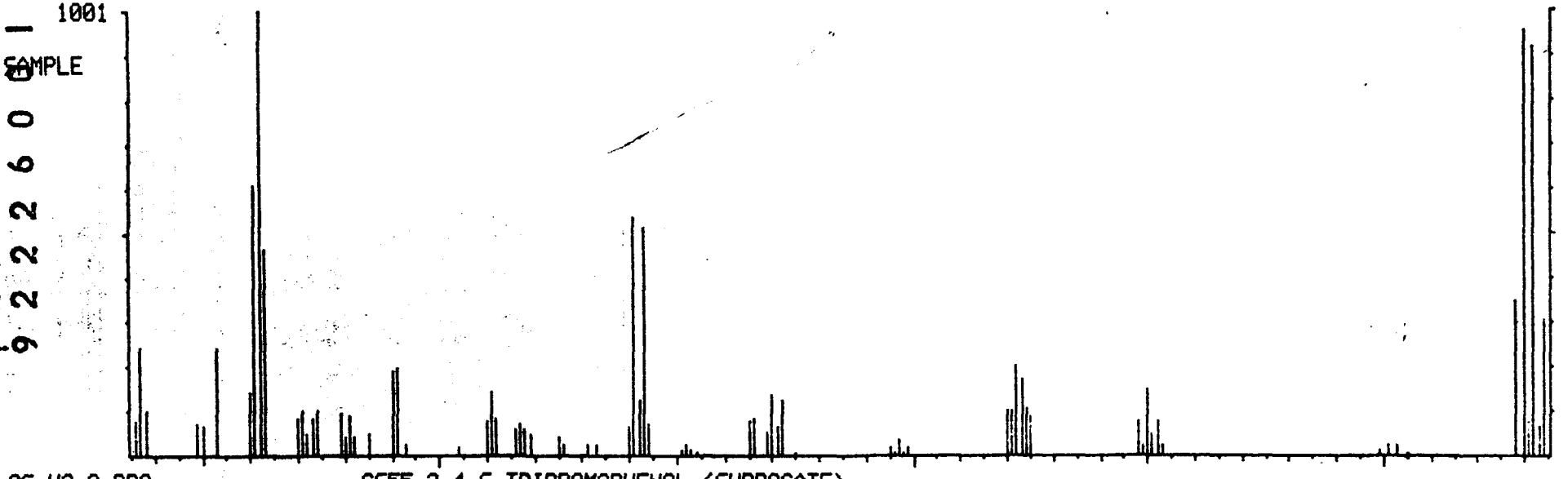
9222260001791
001114

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 14:14:00 + 21:38
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

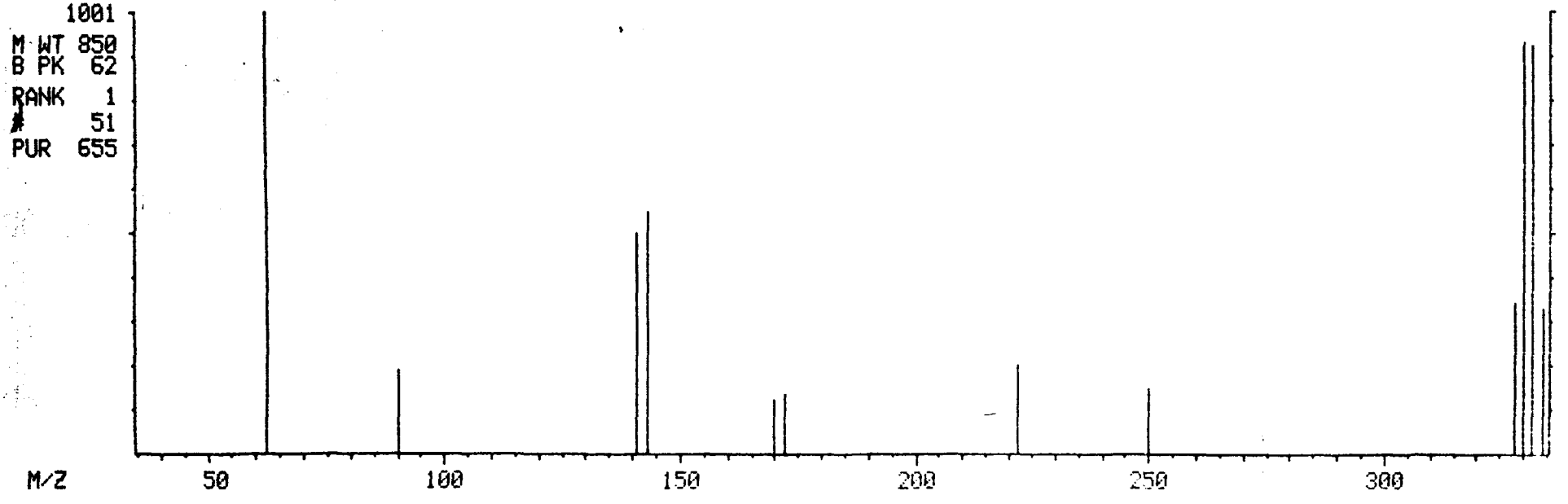
DATA: APR02GK06 #2183
CALI: APR02GK06 # 3

BASE M/Z: 62
RIC: 61504.

001115



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

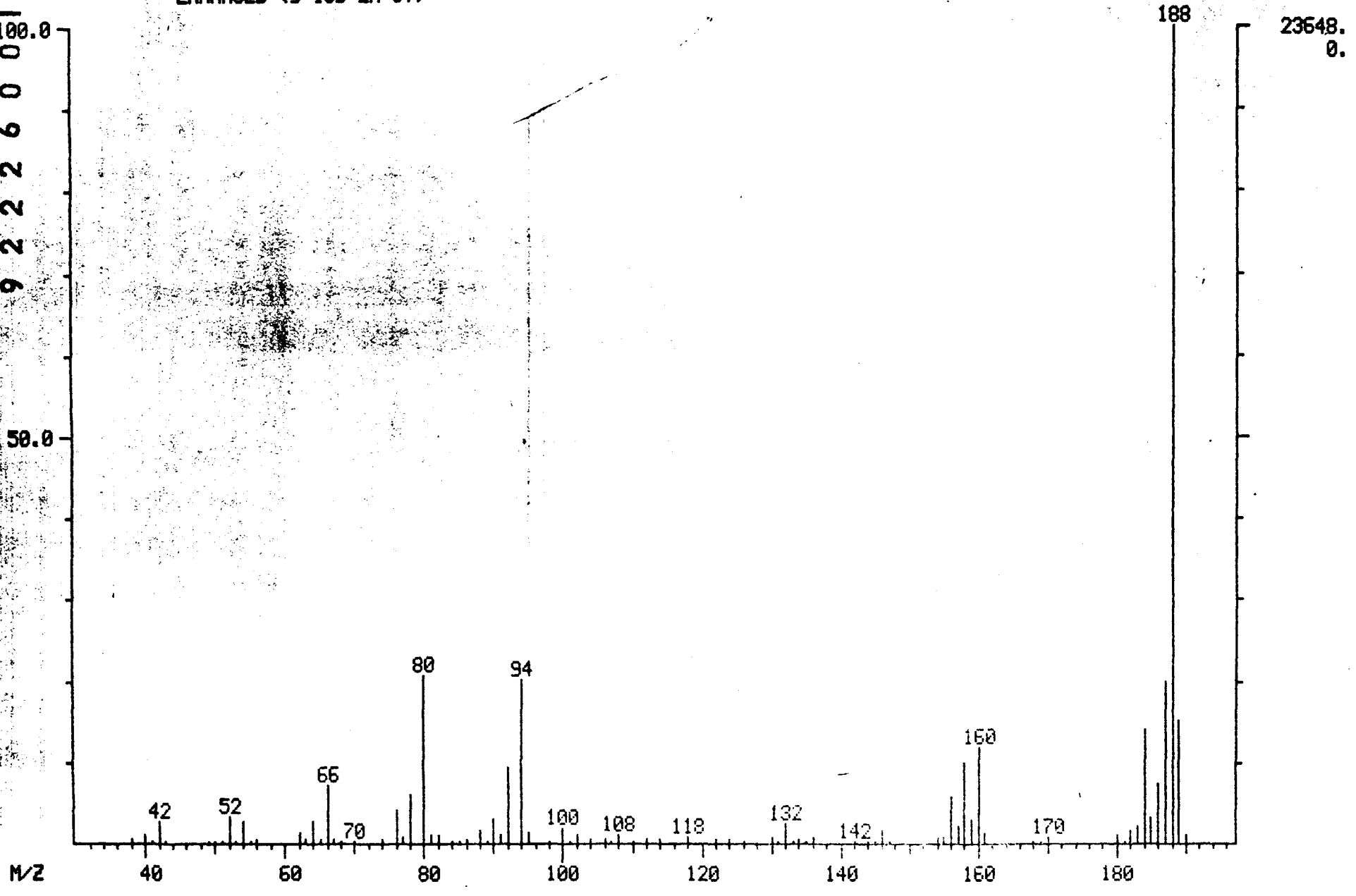


MASS SPECTRUM
04/02/91 14:14:00 + 23:25
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2362
CALI: APR02GK06 #3

BASE M/Z: 188
RIC: 76032.

001116

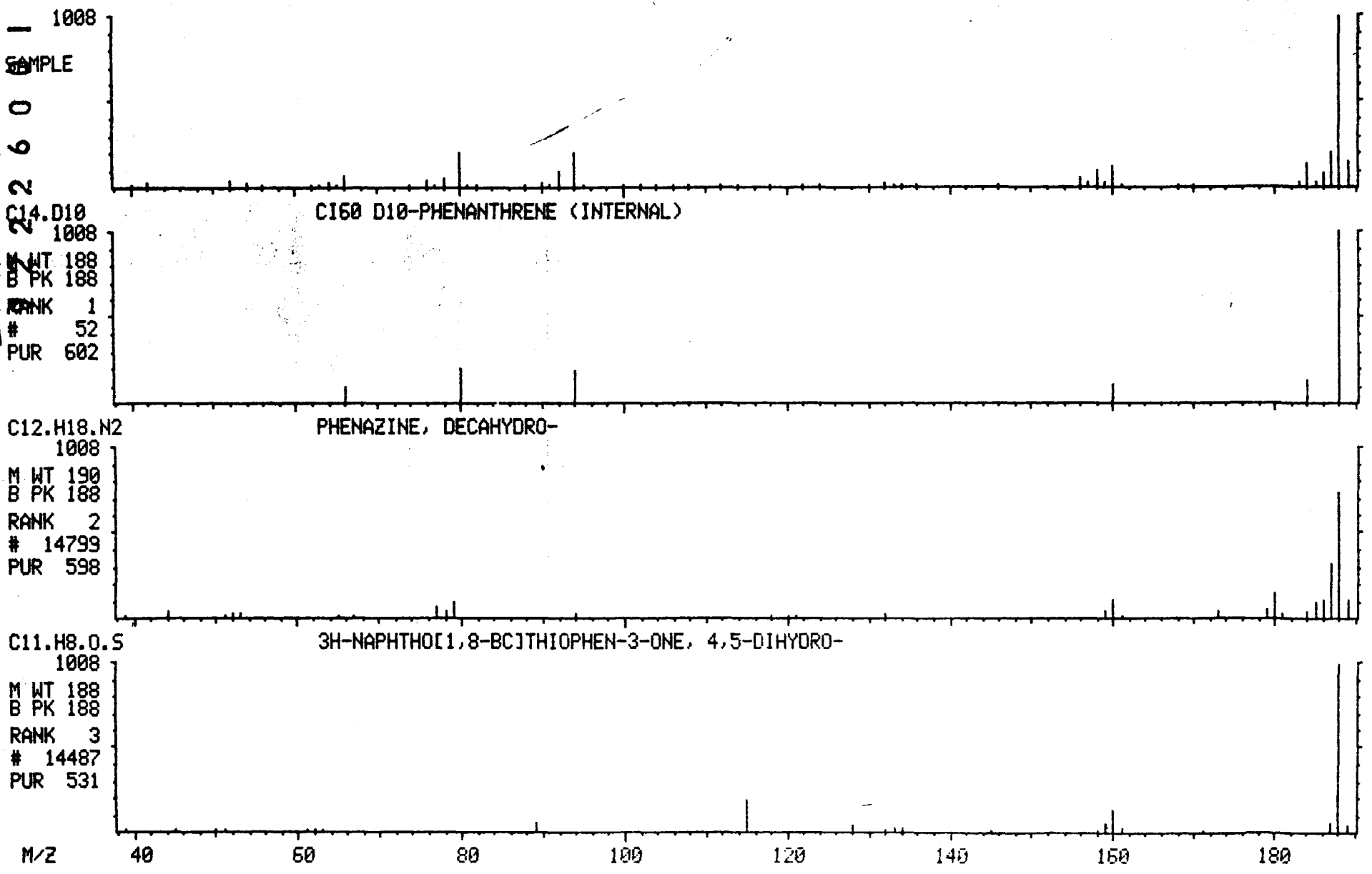


MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 23:25
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2362
CALI: APR02GK06 # 3

BASE M/Z: 188
RIC: 72576.

001117

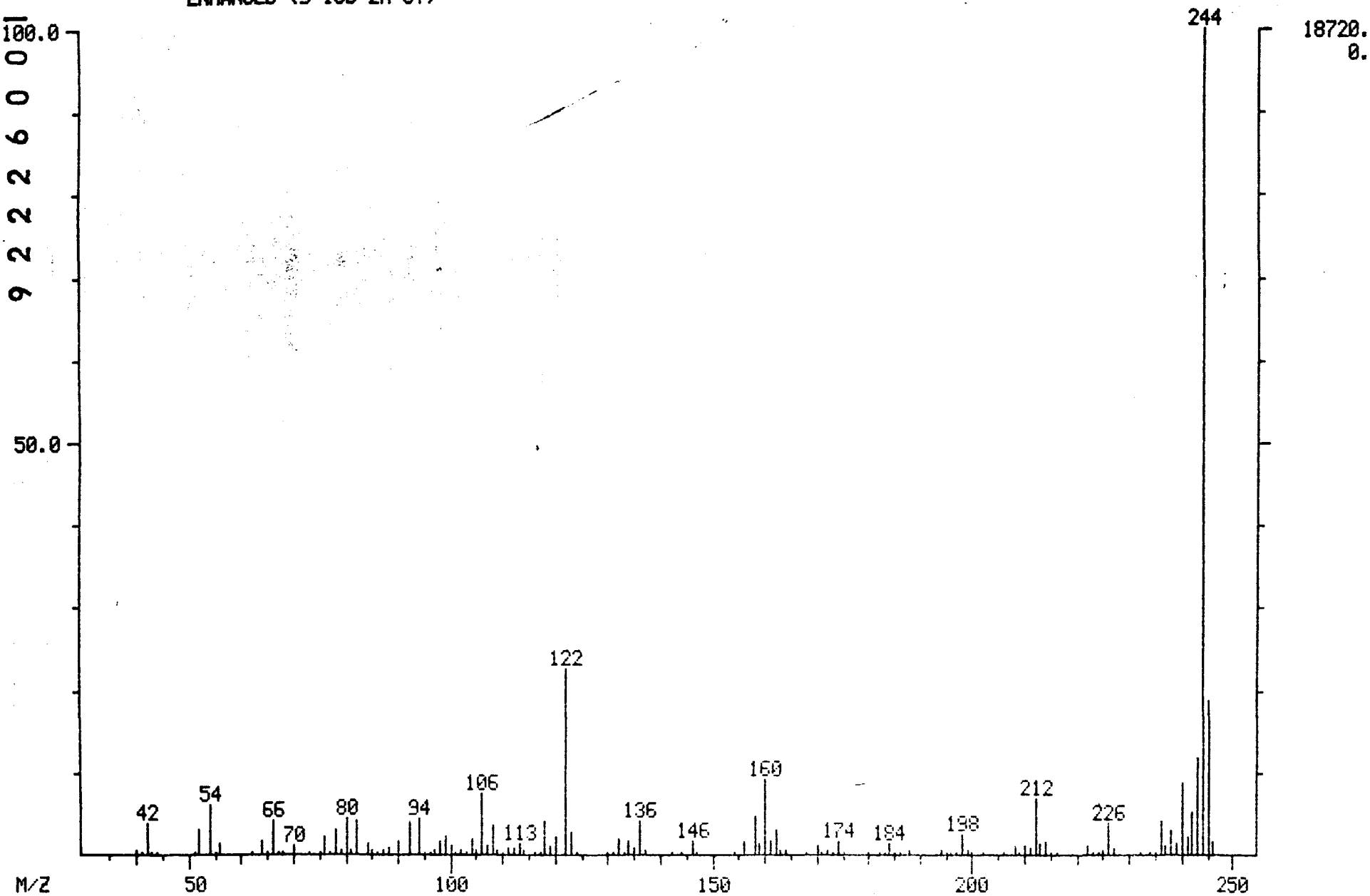


MASS SPECTRUM
04/02/91 14:14:00 + 27:36
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 278 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2785
CALI: APR02GK06 #3

BASE M/Z: 244
RIC: 63936.

00111

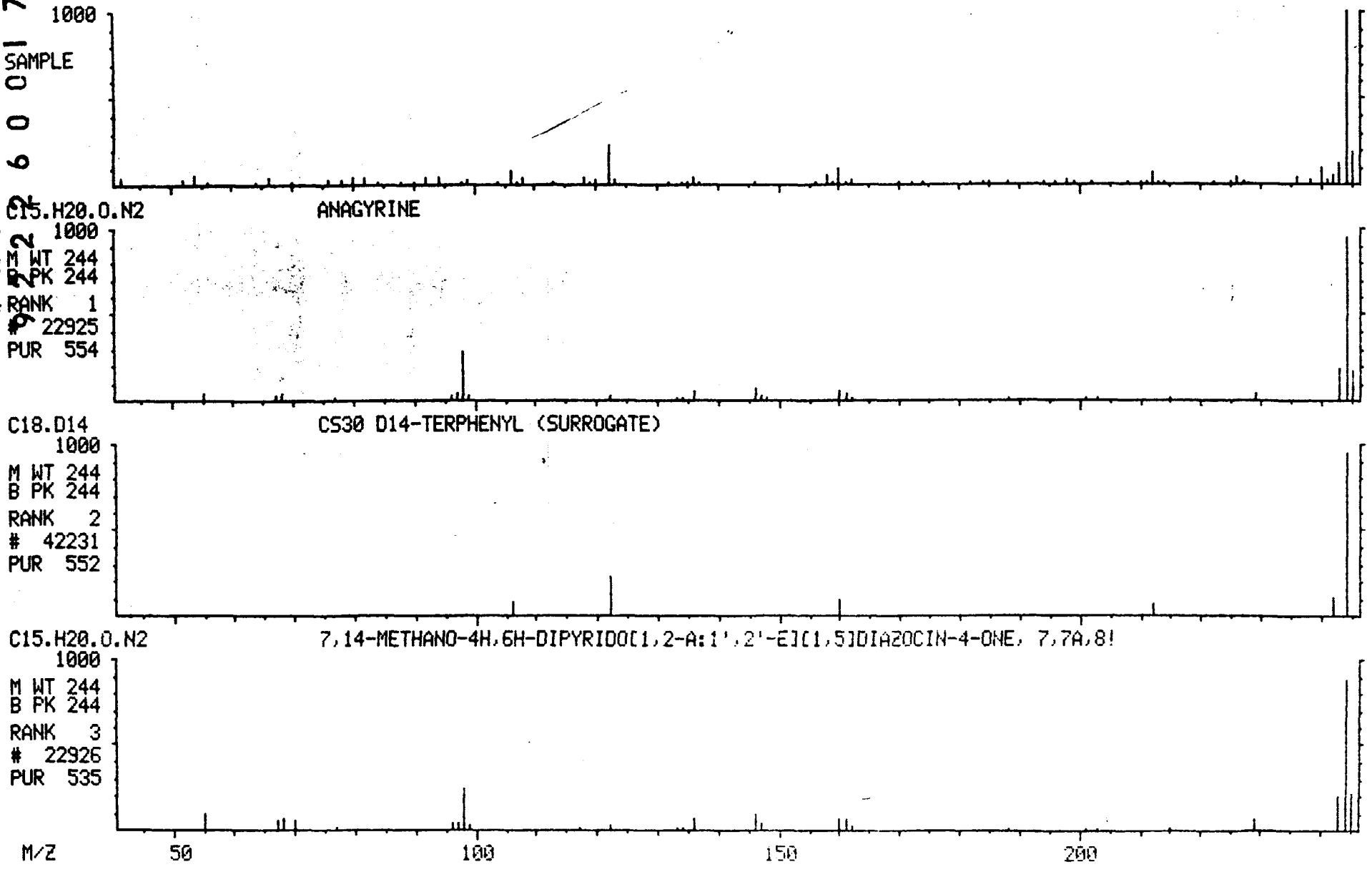


9222500017795

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 27:36
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2785
CALI: APR02GK06 # 3

BASE M/Z: 244
RIC: 58944.

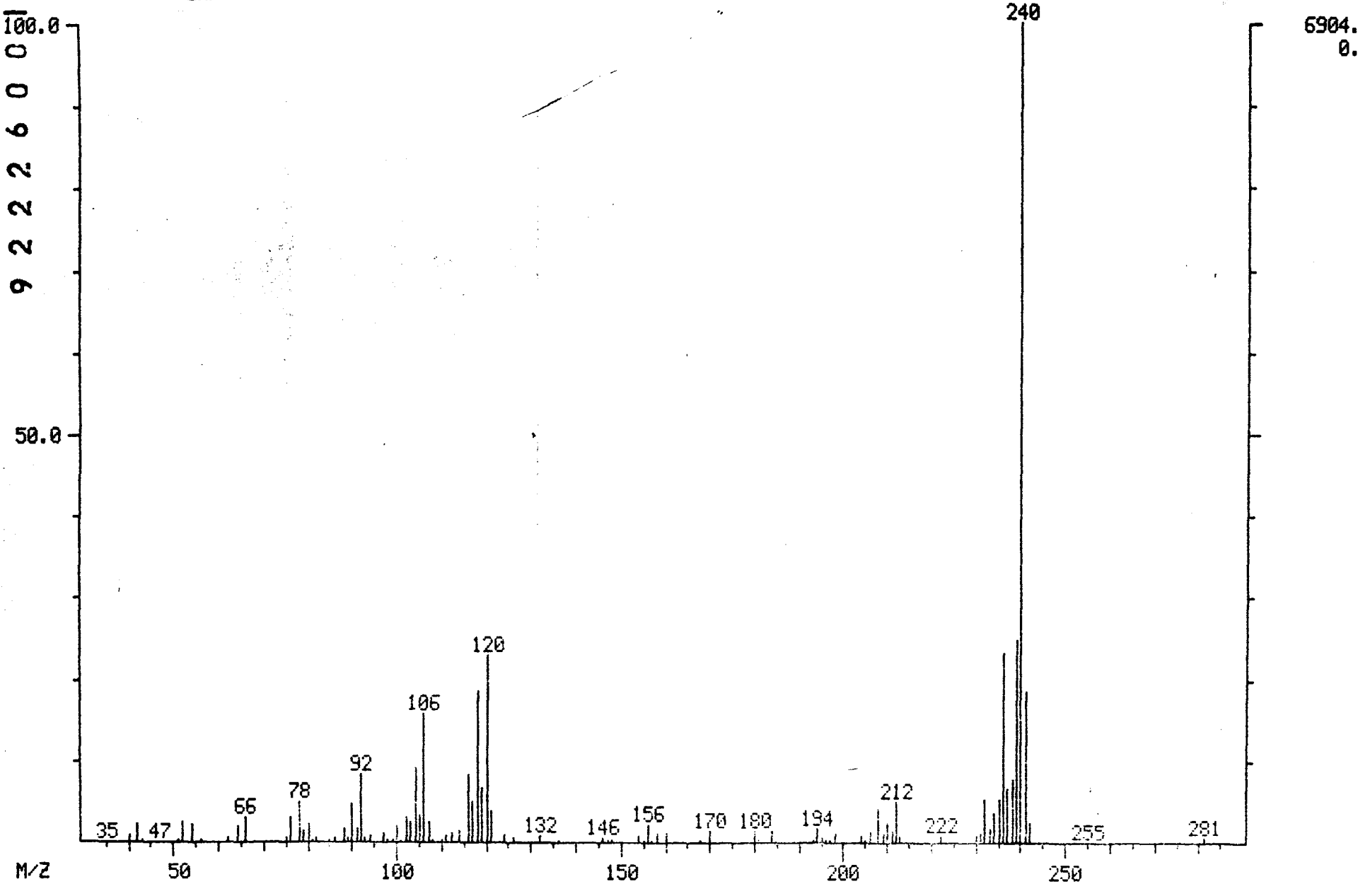


00119

MASS SPECTRUM
04/02/91 14:14:00 + 31:11
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #3146
CALI: APR02GK06 #3

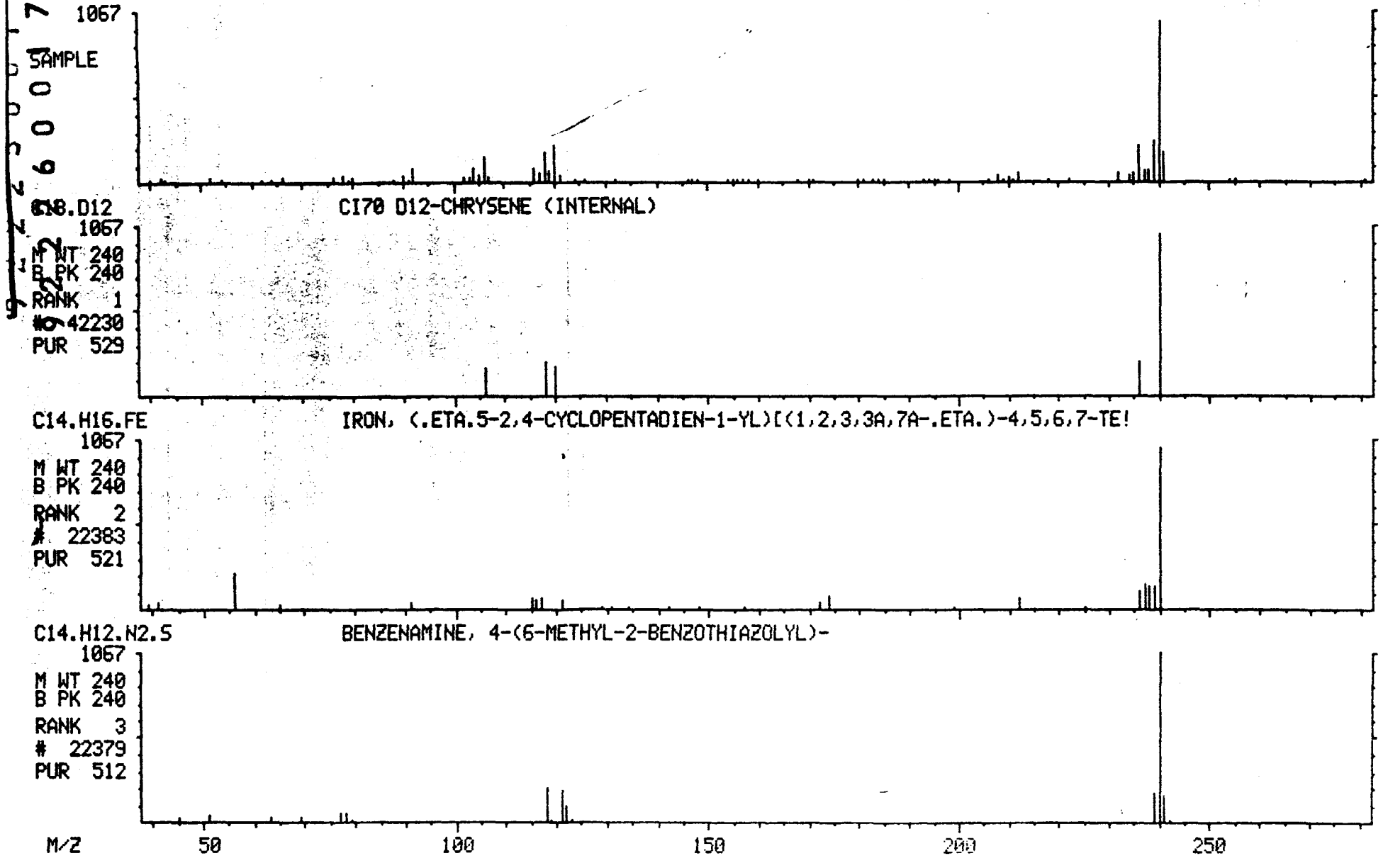
BASE M/Z: 240
RIC: 27360.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 31:11
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #3146
CALI: APR02GK06 # 3

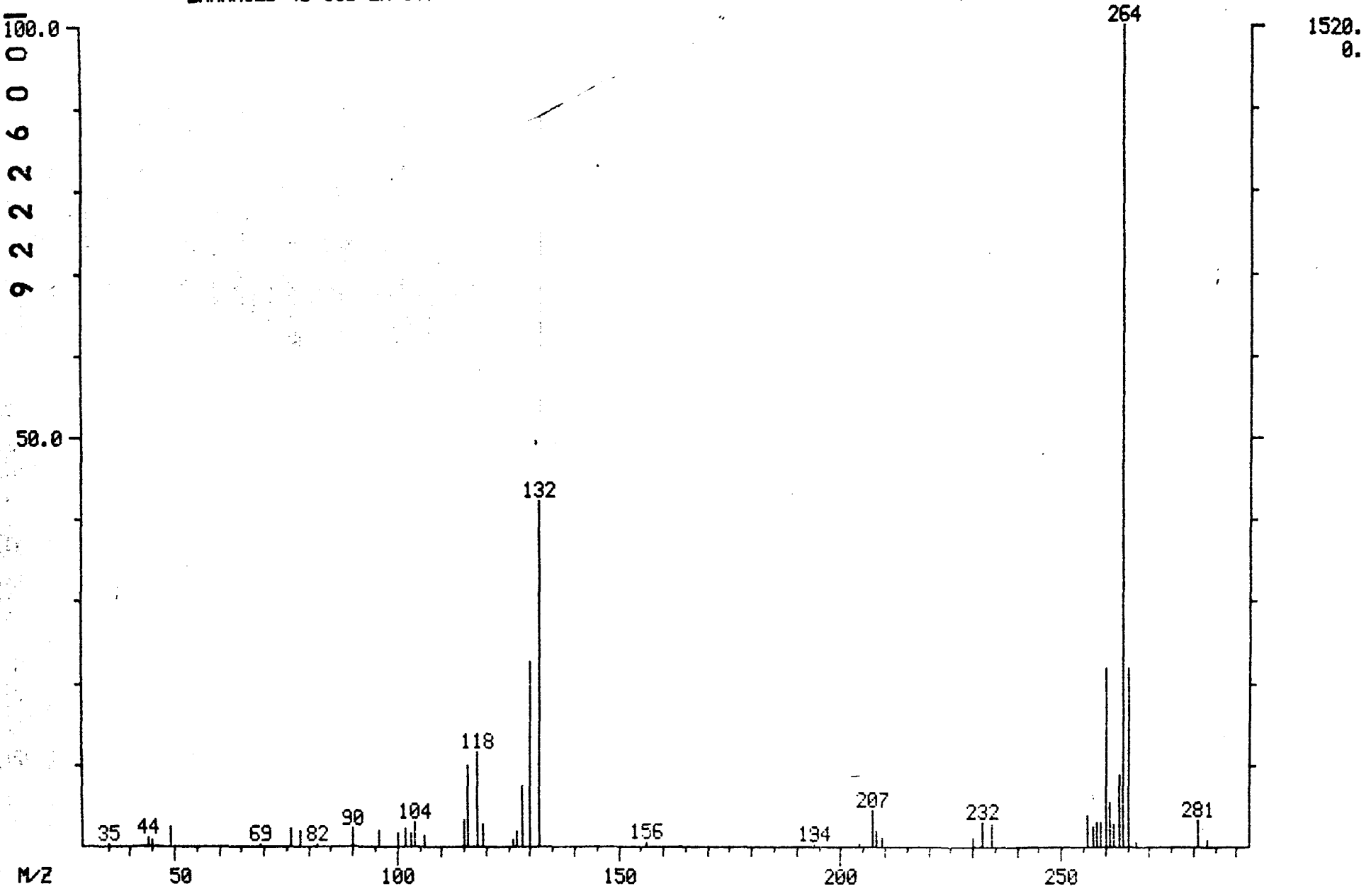
BASE M/Z: 240
RIC: 25824.



MASS SPECTRUM
04/02/91 14:14:00 + 40:19
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #4067
CALI: APR02GK06 #3

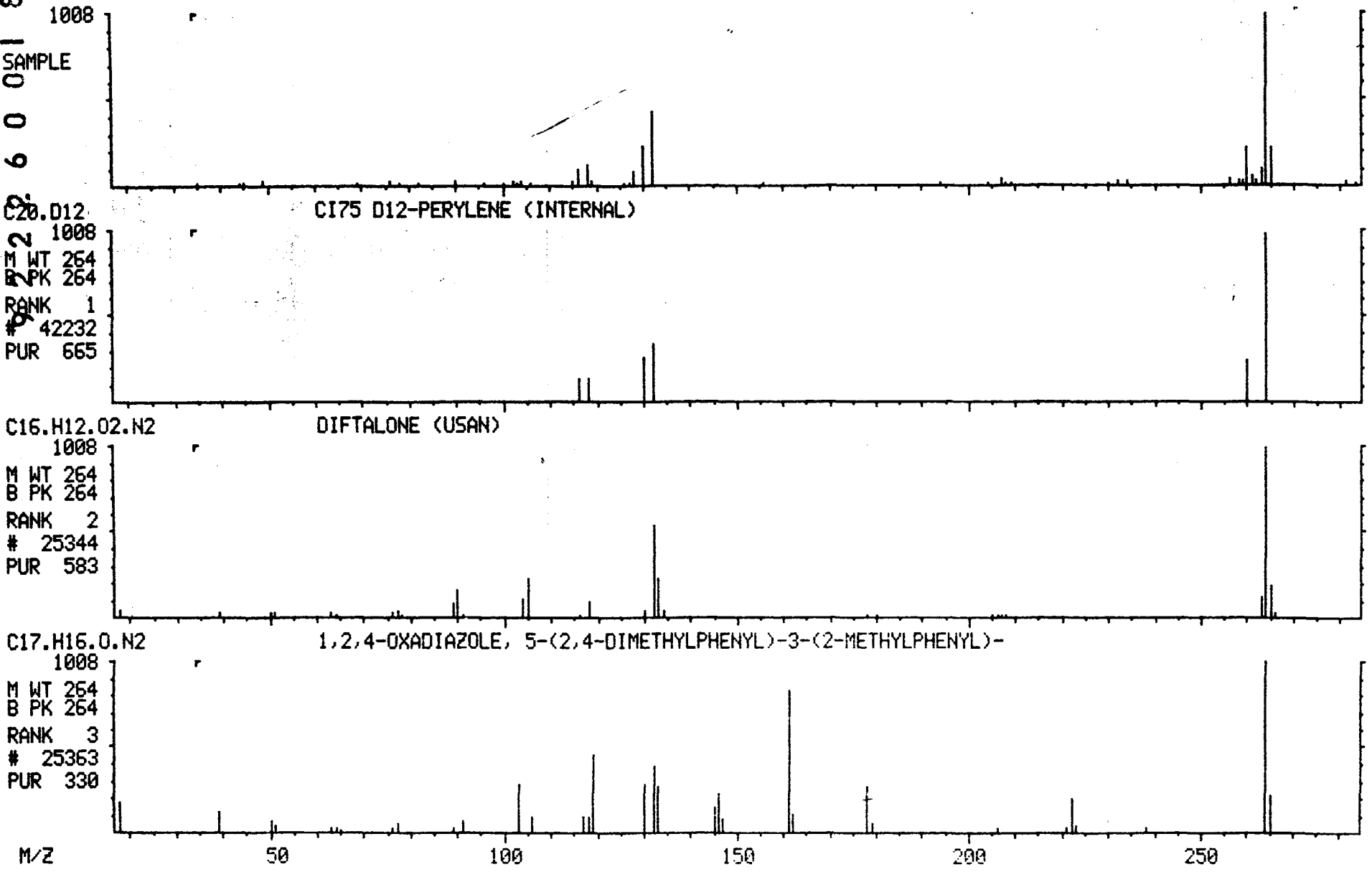
BASE M/Z: 264
RIC: 4888.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 40:19
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #4067
CALI: APR02GK06 # 3

BASE M/Z: 264
RIC: 4840.



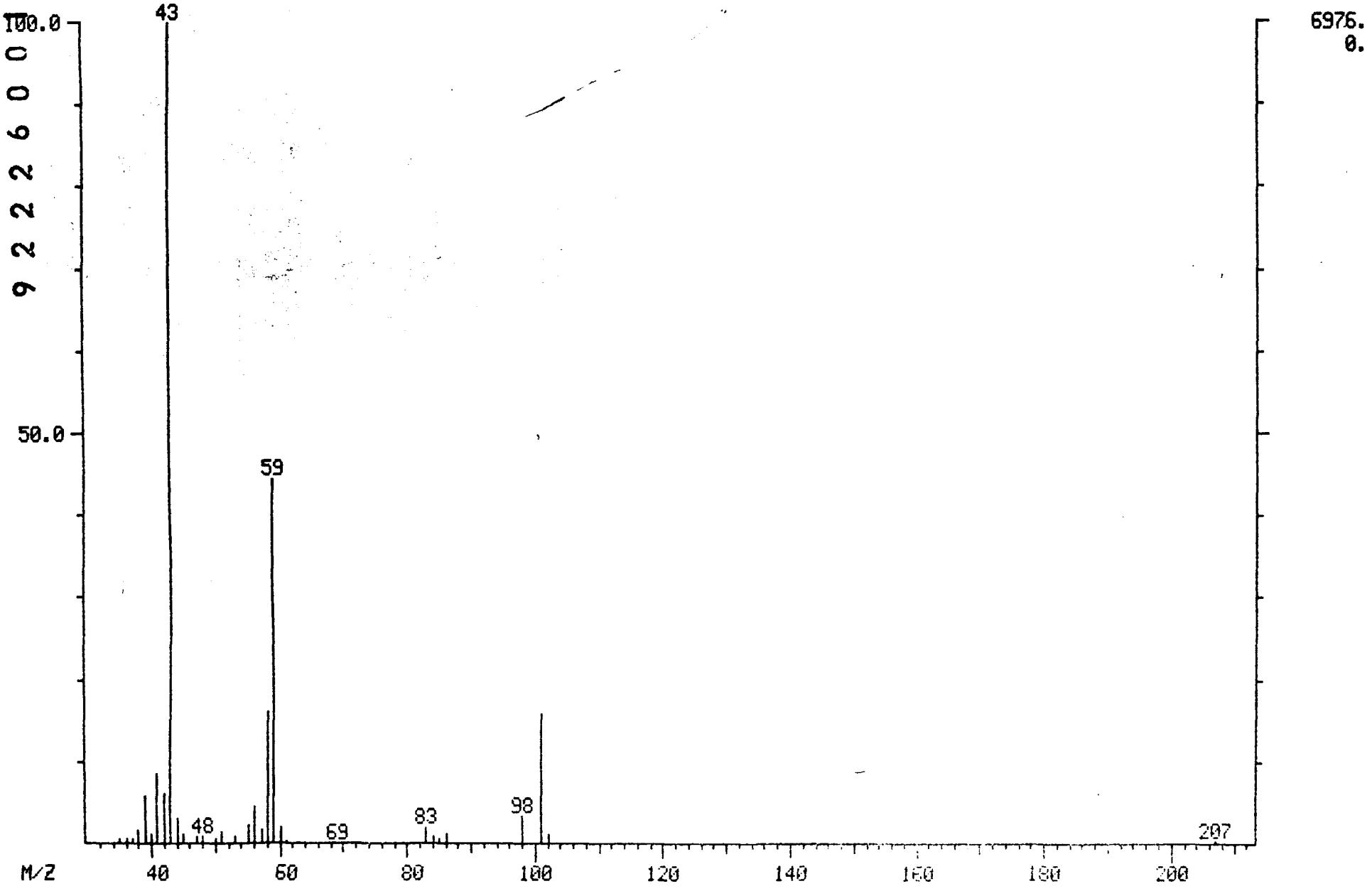
9222500173
9222600180

NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 14:14:00 + 8:06
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG.. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #818
CALI: APR02GK06 #3

BASE M/Z: 43
RIC: 16000.



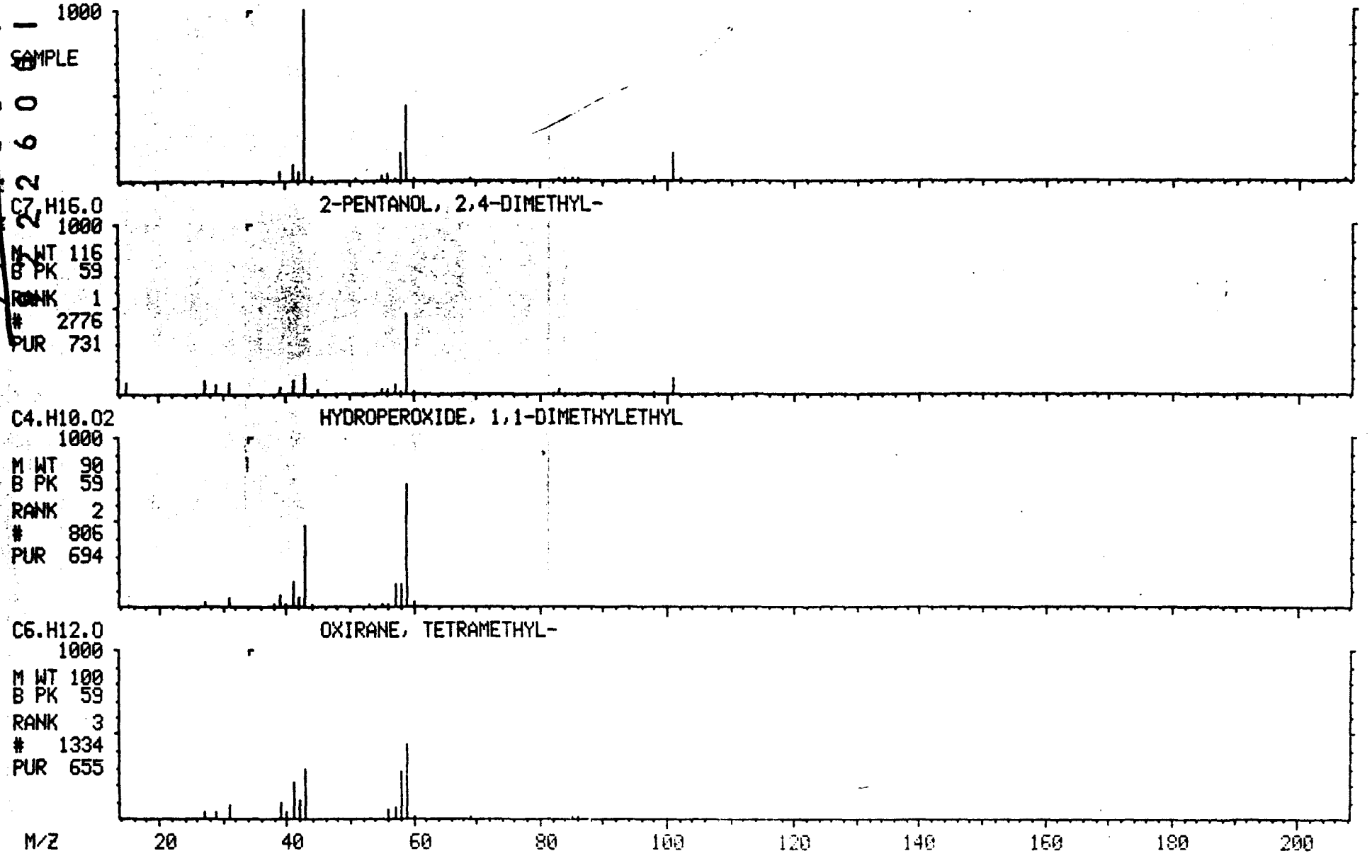
9222600802
9222500173
00125

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 8:06
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 # 818
CALI: APR02GK06 # 3

BASE M/Z: 43
RIC: 15408.

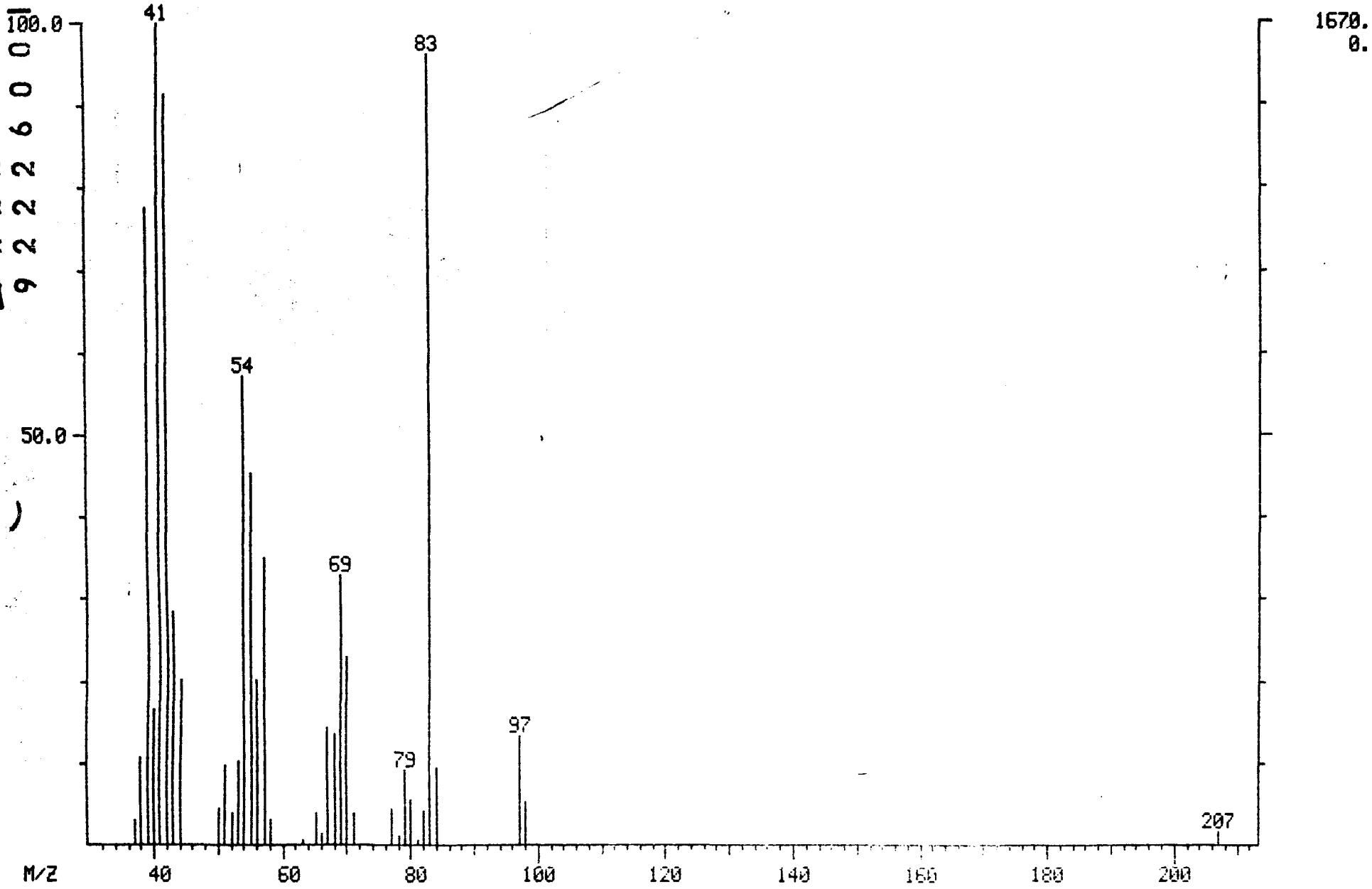
001126



MASS SPECTRUM
04/02/91 14:14:00 + 8:33
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #863
CALI: APR02GK06 #3

BASE M/Z: 41
RIC: 13056.



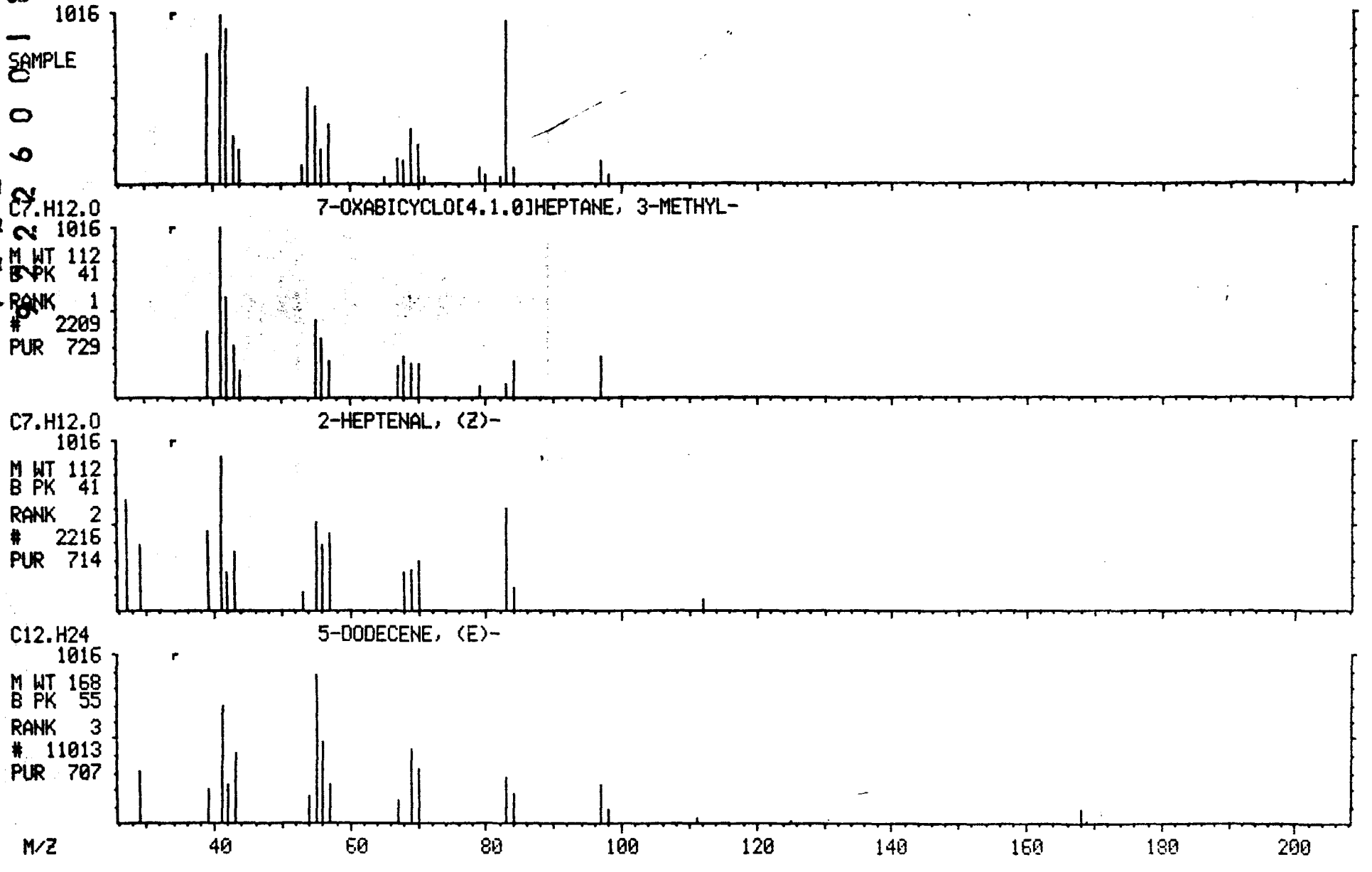
9222250017304
9222260008
001127

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 8:33
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 # 863
CALI: APR02GK06 # 3

BASE M/Z: 41
RIC: 12048.

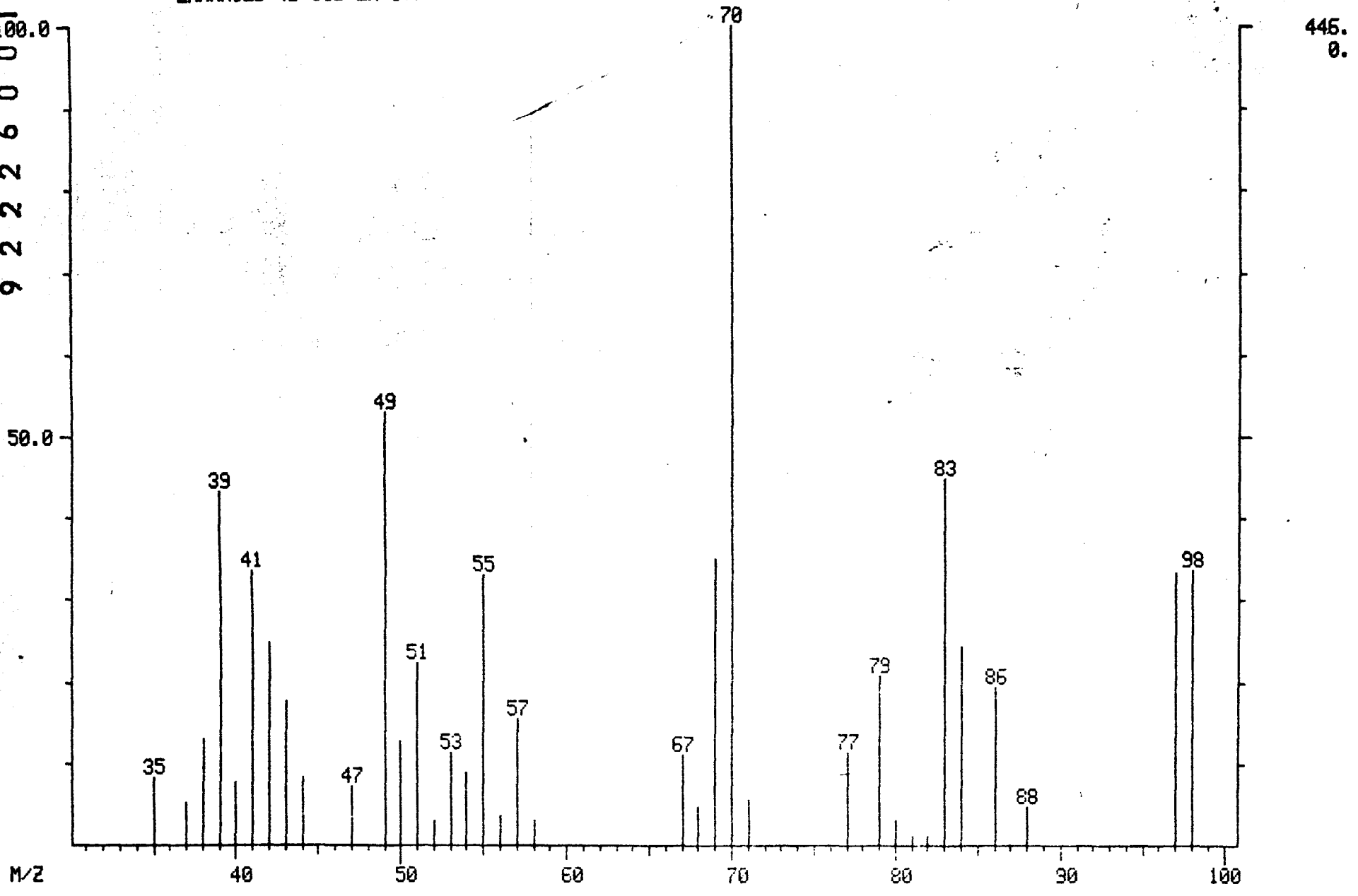
001128



MASS SPECTRUM
04/02/91 14:14:00 + 9:12
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 92 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #929
CALI: APR02GK06 #3

BASE M/Z: 70
RIC: 3088.



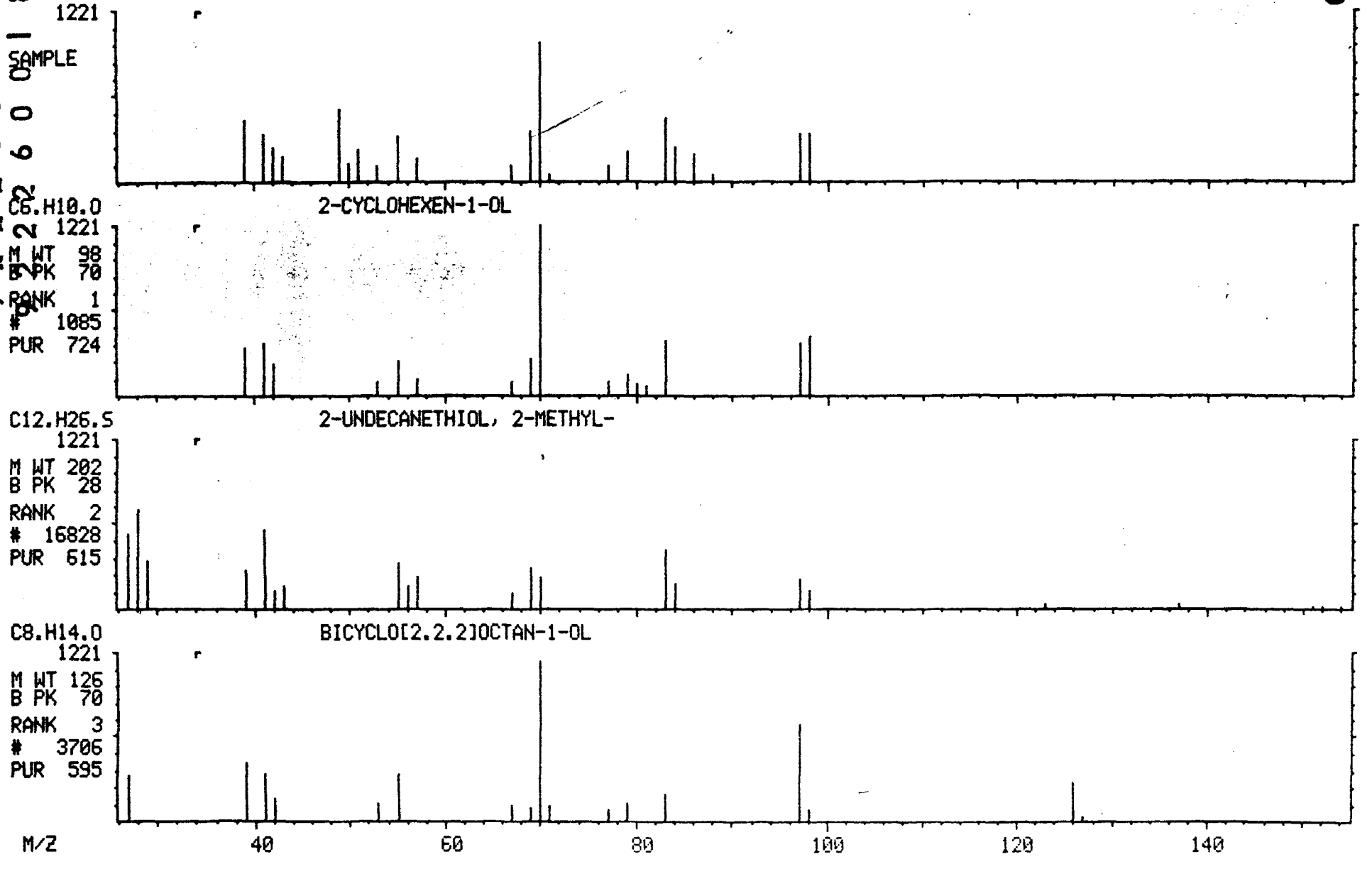
9222600017806
001129

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 9:12
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 # 929
CALI: APR02GK06 # 3

BASE M/Z: 70
RIC: 2736.

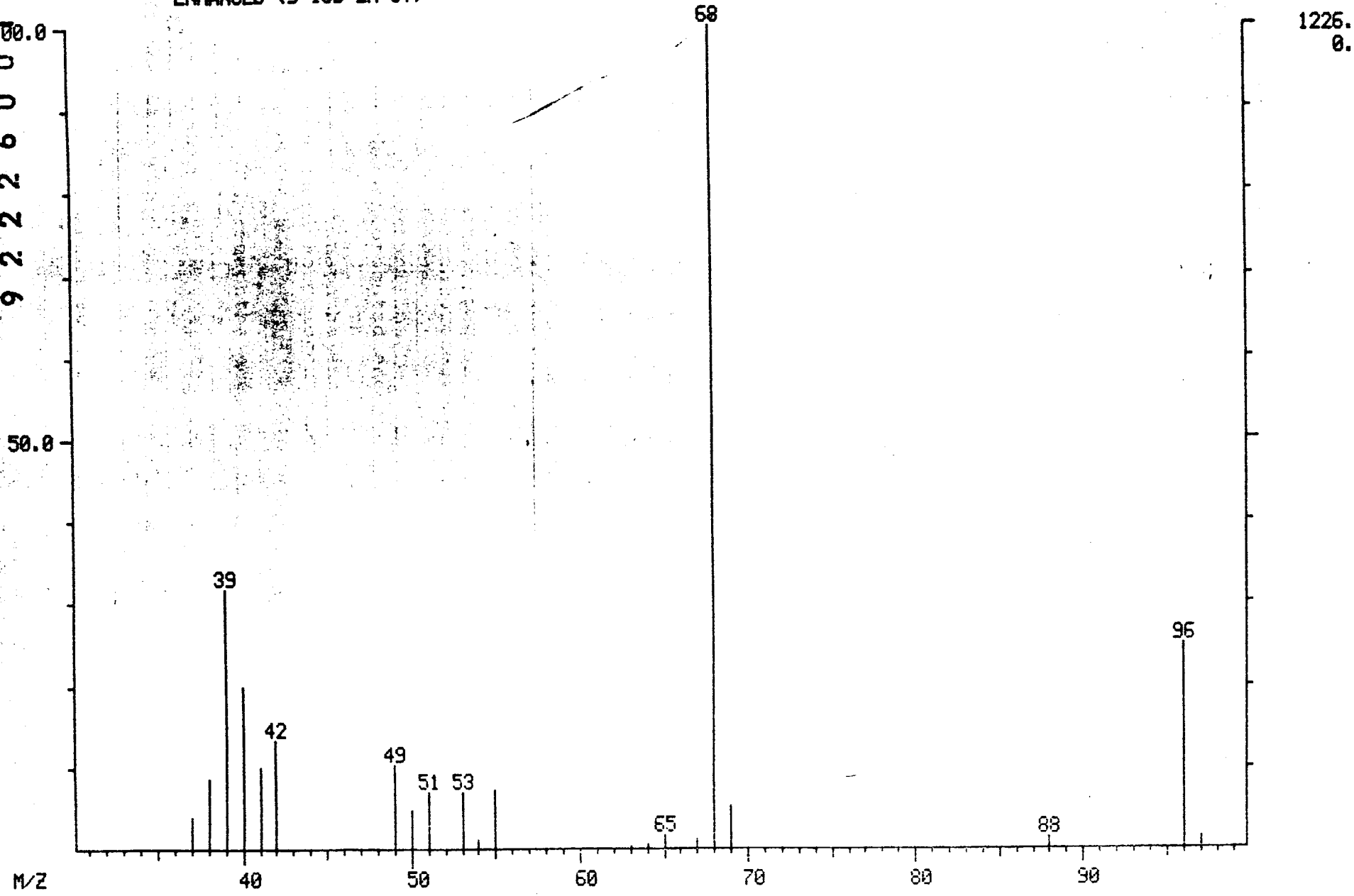
001130



MASS SPECTRUM
04/02/91 14:14:00 + 10:11
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1028
CALI: APR02GK06 #3

BASE M/Z: 68
RIC: 3208.

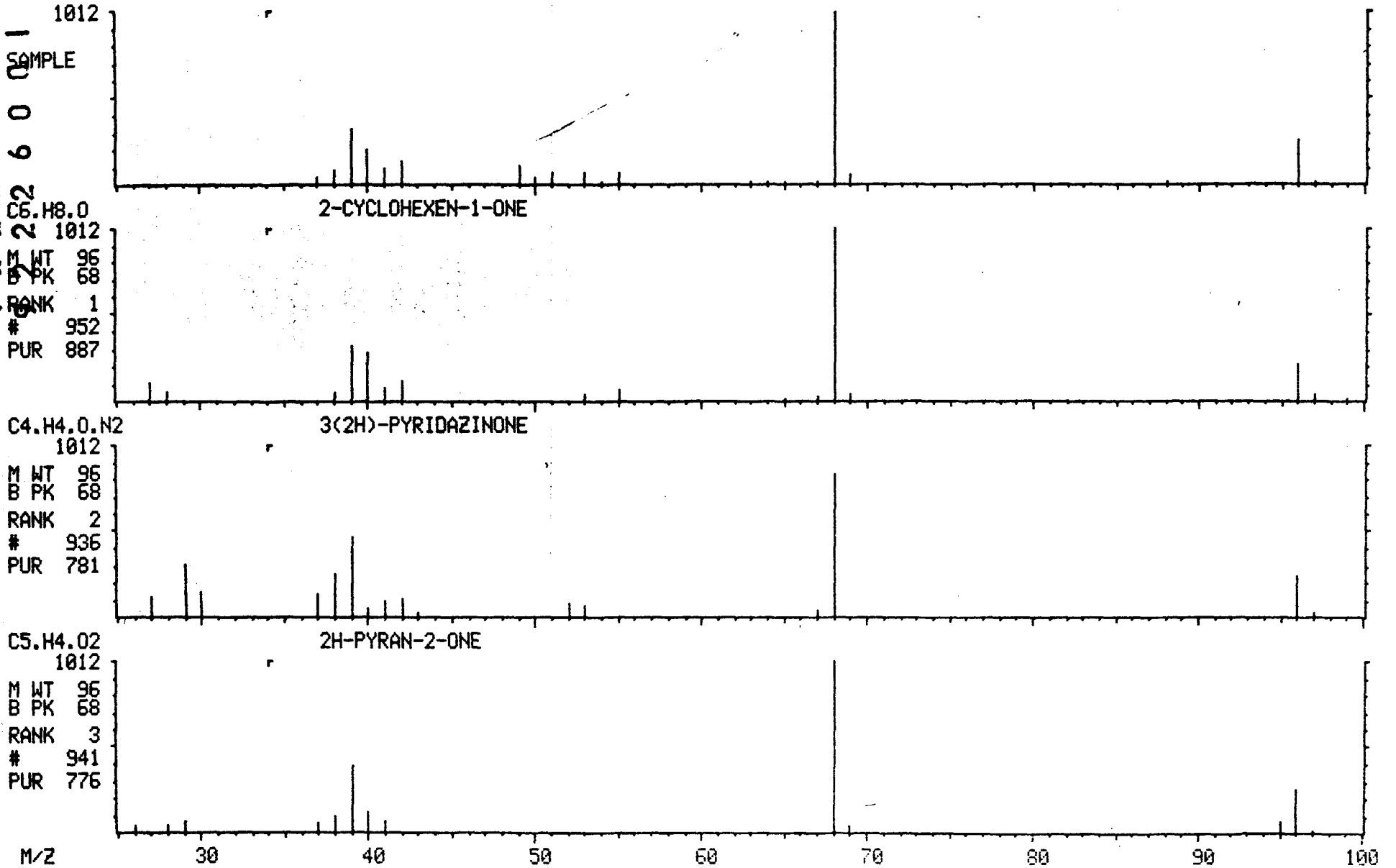


9222260008 0 7 4 2

001421

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 10:11
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

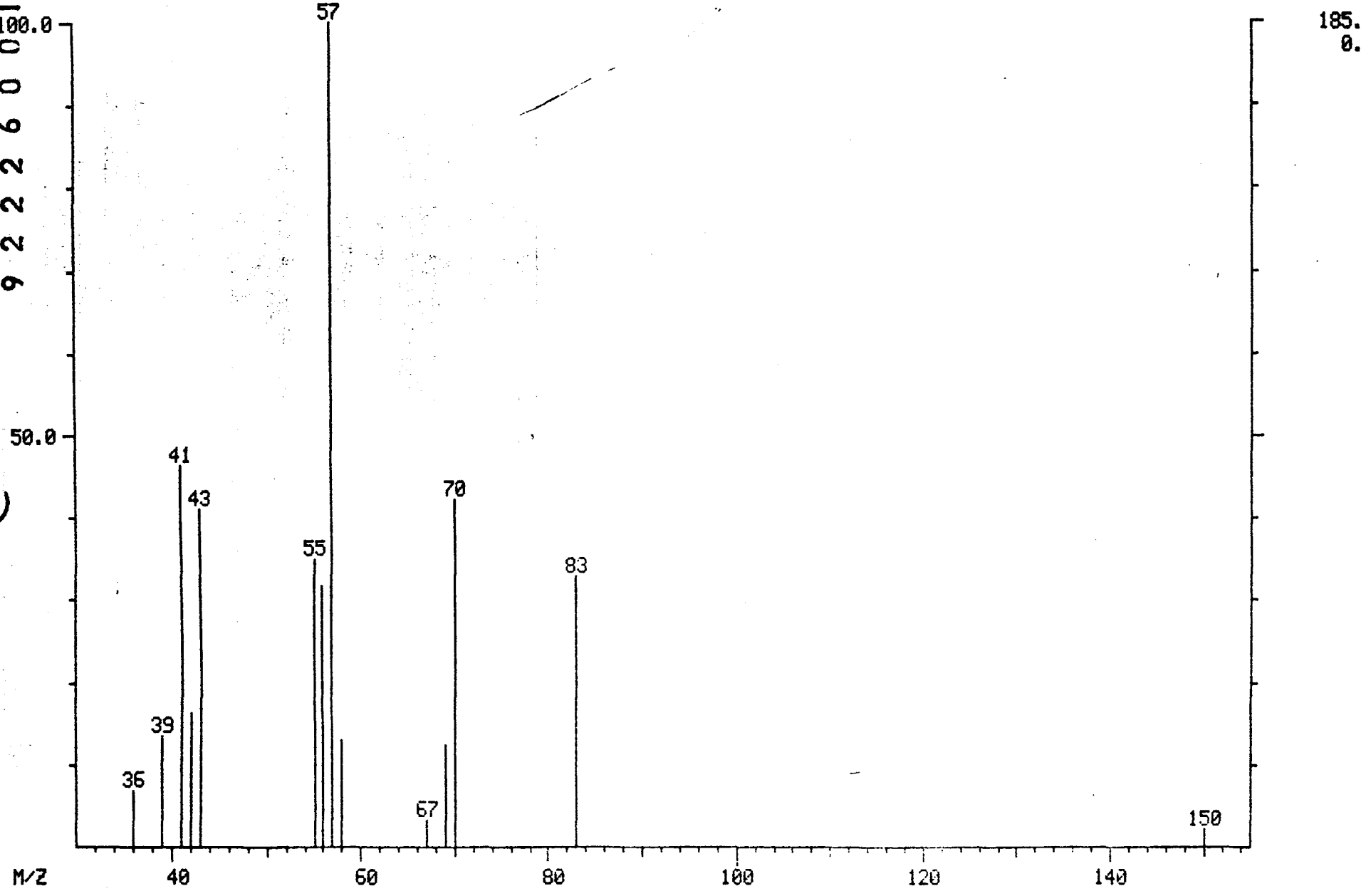
DATA: APR02GK06 #1028 BASE M/Z: 68
CALI: APR02GK06 # 3 RIC: 3208.



MASS SPECTRUM
04/02/91 14:14:00 + 12:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 121 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1217
CALI: APR02GK06 #3

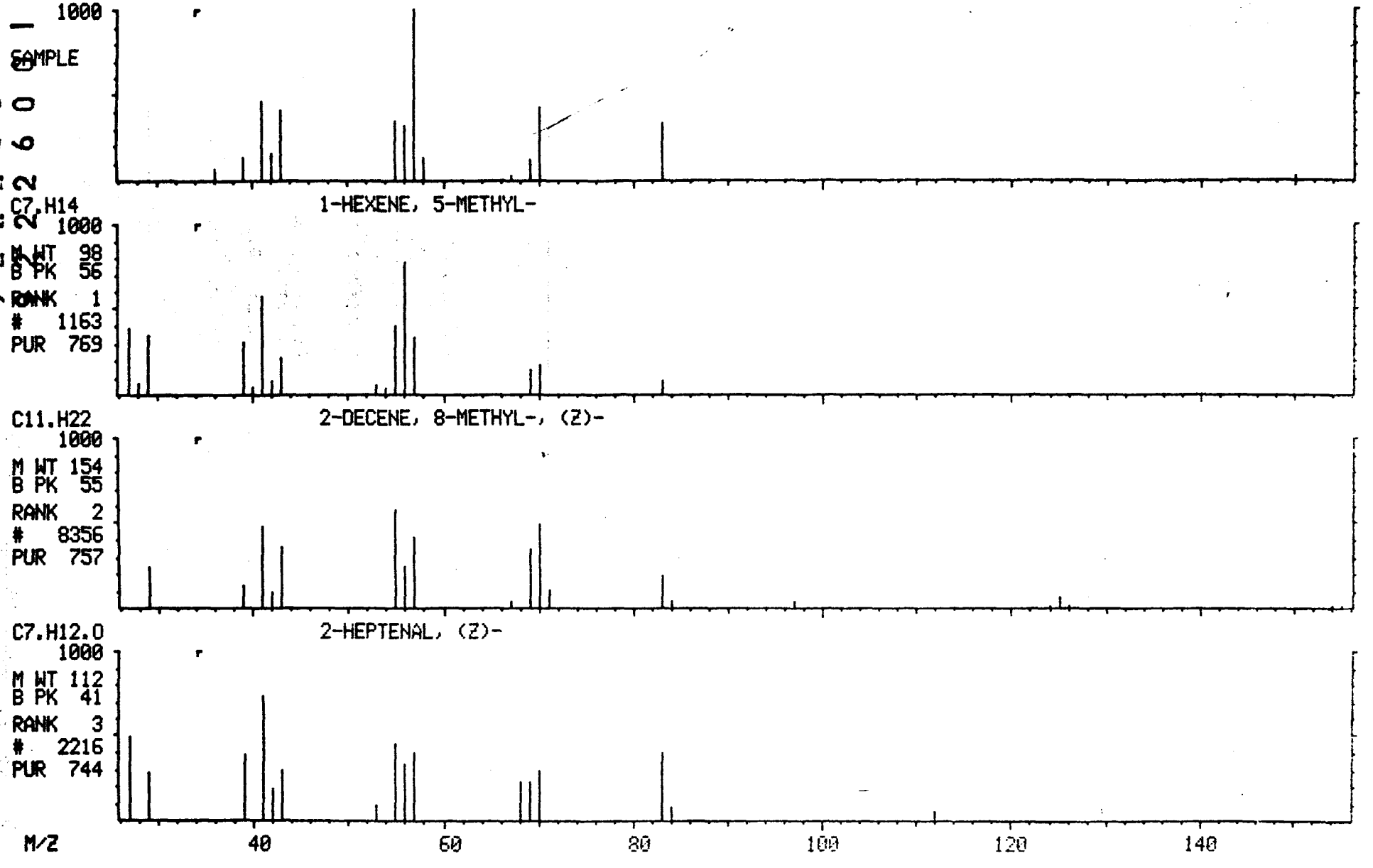
BASE M/Z: 57
RIC: 735.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 12:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #1217
CALI: APR02GK06 # 3

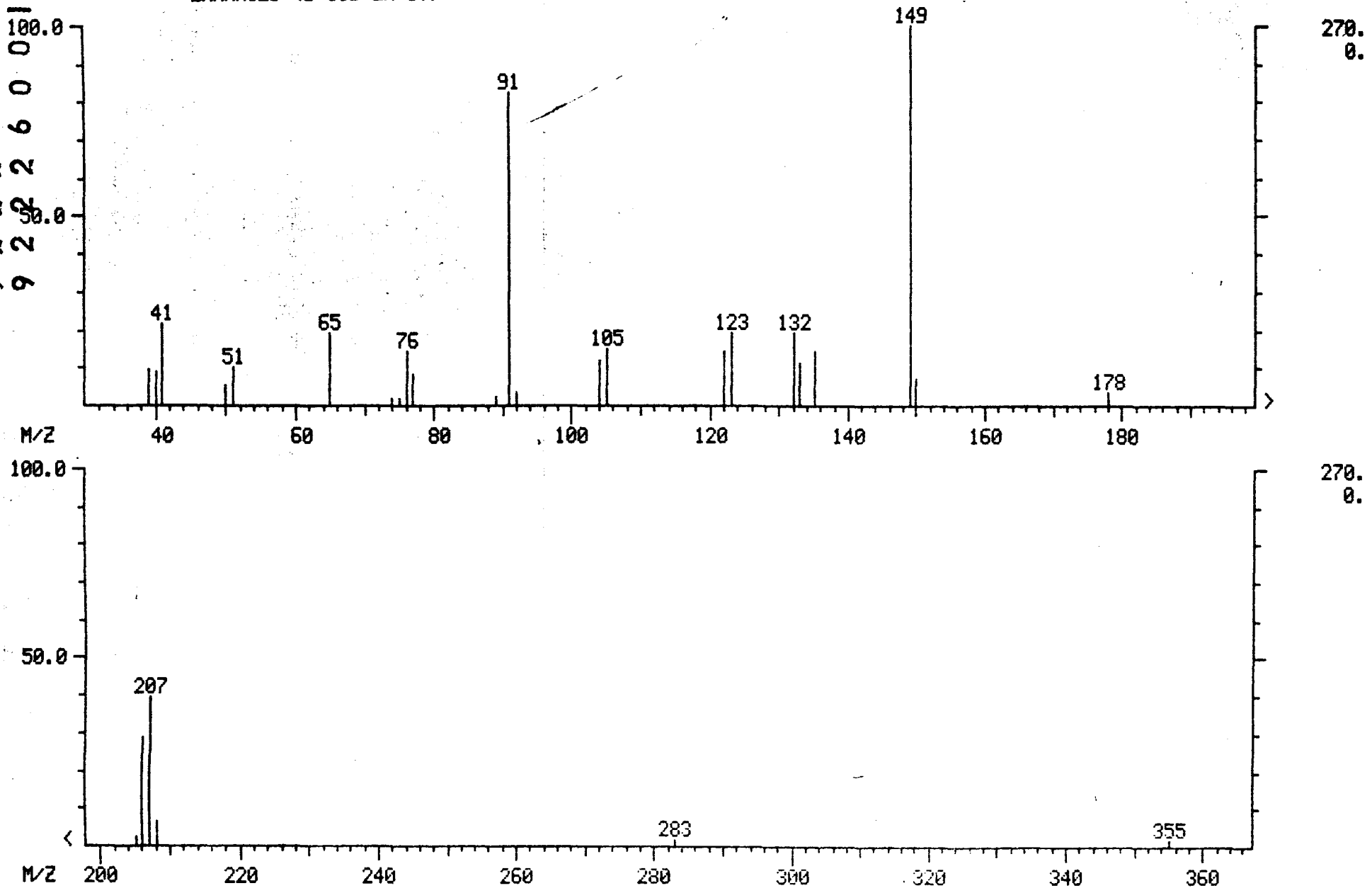
BASE M/Z: 57
RIC: 735.



MASS SPECTRUM
04/02/91 14:14:00 + 29:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2933
CALI: APR02GK06 #3

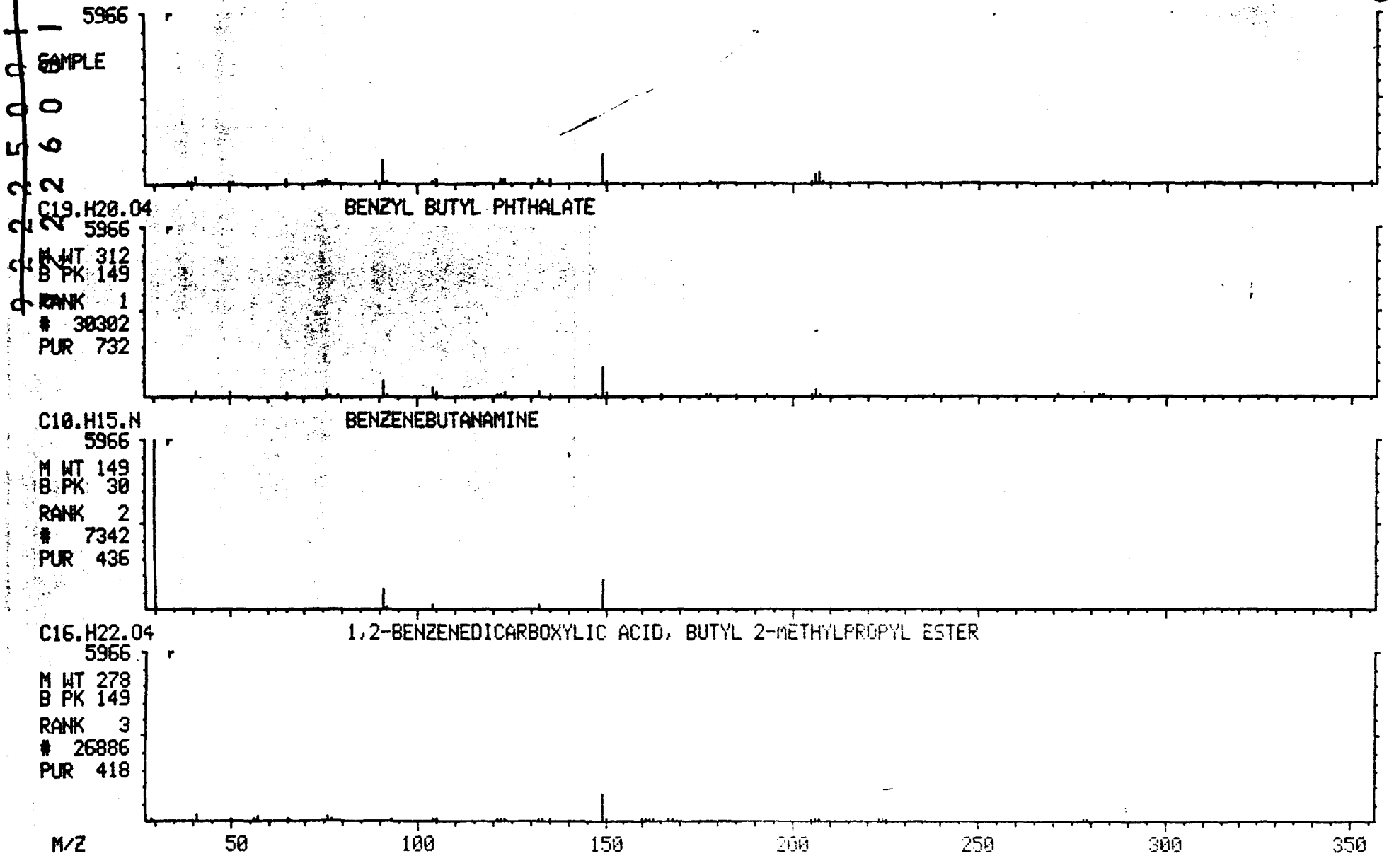
BASE M/Z: 149
RIC: 1322.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 14:14:00 + 29:04
SAMPLE: 90897 OH-/H+ CLP 1UL-1.0ML
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02GK06 #2933
CALI: APR02GK06 # 3

BASE M/Z: 149
RIC: 1322.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

G205

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

9222600181 4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G205

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

9222500181 5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: G205

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) WATER Lab Sample ID: D190898

Sample wt/vol: 1000 (g/mL) ML Lab File ID: APR02VG02

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

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

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91

GPC Cleanup: (Y/N) N pH: 5.0 Dilution Factor: 1.0

Number TICs found: 20

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

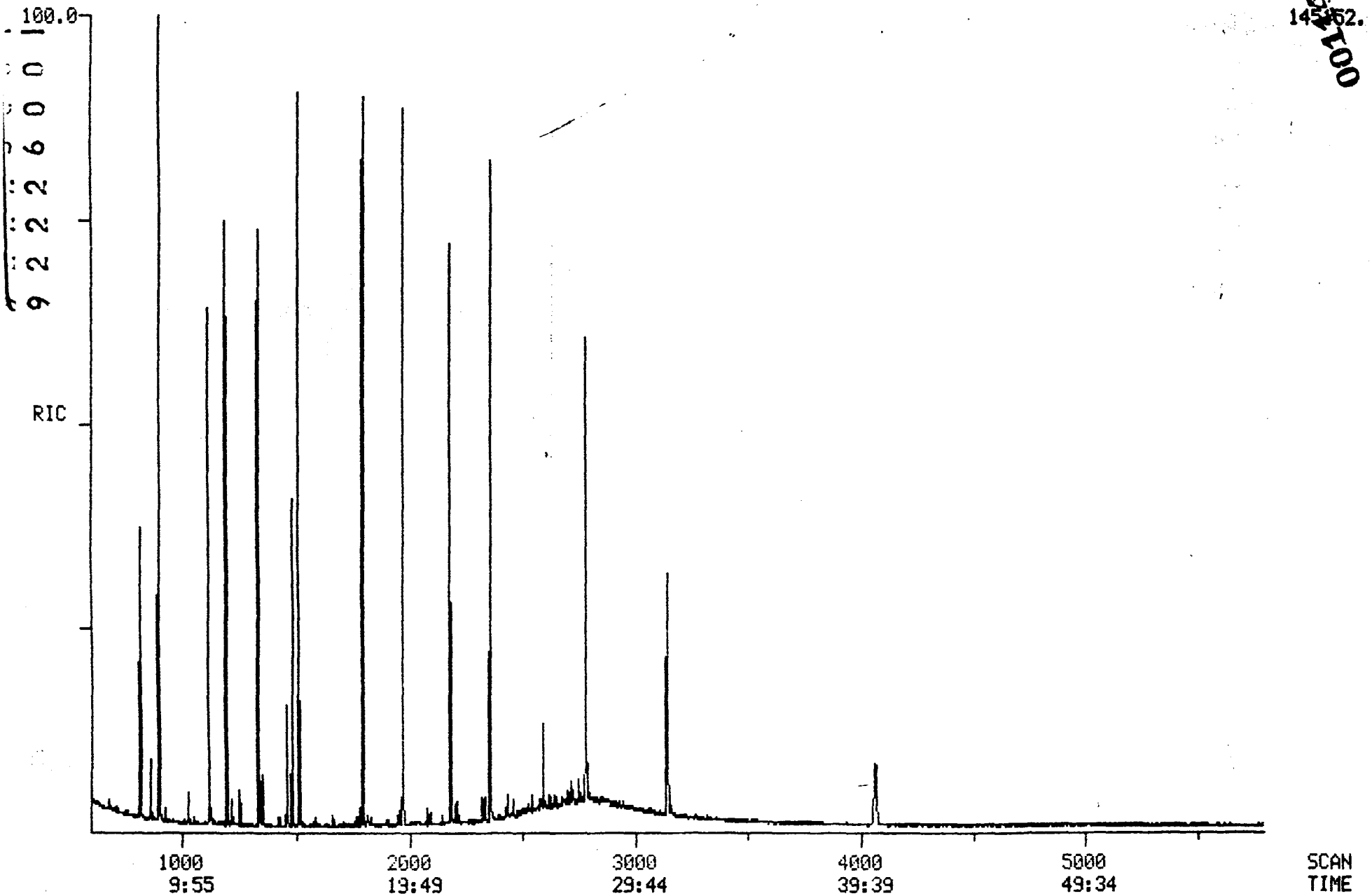
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. ALCOHOL	8.08	14	BAJ
2.	UNKNOWN	8.54	3.2	BJ
3.	UNKNOWN	9.20	0.61	J
4.	UNKNOWN ALIP. KETONE	10.19	1.6	BAJ
5.	UNKNOWN	11.17	0.77	J
6.	UNKNOWN	12.05	1.8	J
7.	UNKNOWN	12.40	2.0	J
8.	TRIMETHYL ESTER PHOSPHOROTHI	13.40	2.6	J
9.	TRIMETHYL ESTER PHOSPHORODIT	14.74	16	J
10.	UNKNOWN	16.47	0.64	J
11.	UNKNOWN	17.72	0.91	J
12.	UNKNOWN ALIP. HYDROCARBON	18.00	0.85	J
13.	UNKNOWN	18.19	0.45	J
14.	UNKNOWN ALIP. HYDROCARBON	19.37	0.68	J
15.	UNKNOWN ALIP. HYDROCARBON	25.21	0.88	J
16.	UNKNOWN	25.61	0.41	J
17.	UNKNOWN	25.72	3.2	J
18.	UNKNOWN ALIP. HYDROCARBON	25.99	0.79	J
19.	UNKNOWN ALIP. HYDROCARBON	26.54	1.0	J
20.	UNKNOWN	31.37	0.41	J

G205

RIC
04/02/91 16:36:00
SAMPLE: 90898 OH-/H+ 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: APR02VG02 #1
CALI: APR02VG02 #3

SCANS 600 TO 5800



145162.

00140

9222600317

4/2/91 16:36:04
Acquisition started

4/2/91 16:36:08
Acquire Run 0:APR02VG02 Starting
04/02/91 16:36:00 + 0:00 Free sectors: 7203 Scan: 0 of 5800
Sample: 90898 DH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No:

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

Seq. #	Temp (DegC)	Rate (C/min)	Time (minutes) period	total			
					Injector A	:	260 Deg C
1	40- 40	-	4.0	4.0	GC oven	:	40 Deg C
2	40-280	10.0	24.0	28.0	Transfer-line	:	271 Deg C
3	280-280	-	32.0	60.0	Ion source	:	181 Deg C

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

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

Scan 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 G
Full scale mass 1159 u
Zero scale mass 1 u
Intensity/ion 2
Peak width 1000. mmu
Offset at low mass 0 mmu

001141

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

Current instrument parameters.

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

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

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

4/2/91 17:34:51
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	11.9	3449.4	0.3	193207. 33.	56.

uantitation Report File: APR02VG02

ata: APR02VG02.TI
4/02/91 16:36:00
ample: 90898 OH-/H+ CLP 1UL.-1.0ML.
onds: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ormula: Instrument: INC500 Weight: 0.000
ubmitted by: SG Analyst: VG Acct. No.:

OUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
esp. 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
0	C360 BIS(2-CHLORDISOPROPYL) ETHER
1	C365 4-METHYLPHENOL
2	C370 N-NITROSO-DI-N-PROPYLAMINE
3	C375 HEXACHLOROETHANE
4	CS50 2-FLUOROPHENOL (SURROGATE)
5	CS45 D6-PHENOL (SURROGATE)
6	CI40 D8-NAPHTHALENE (INTERNAL)
7	C410 NITROBENZENE
8	C415 ISOPHORONE
9	C420 2-NITROPHENOL
0	C425 2,4-DIMETHYLPHENOL
	C430 BENZOIC ACID
2	C435 BIS(2-CHLOROETHOXY) METHANE
3	C440 2,4-DICHLOROPHENOL
4	C445 1,2,4-TRICHLOROBENZENE
5	C450 NAPHTHALENE
6	C455 4-CHLOROANILINE
7	C460 HEXACHLOROBUTADIENE
8	C465 4-CHLORO-3-METHYLPHENOL
	C470 2-METHYLNAPHTHALENE
	CS20 D5-NITROBENZENE (SURROGATE)
	CI50 D10-ACENAPHTHENE (INTERNAL)
	C510 HEXACHLOROCYCLOPENTADIENE
	C515 2,4,6-TRICHLOROPHENOL
	C520 2,4,5-TRICHLOROPHENOL
	C525 2-CHLORONAPHTHALENE
	C530 2-NITROANILINE
	C535 DIMETHYLPHTHALATE
	C540 ACENAPHTHYLENE
	C545 3-NITROANILINE
	C550 ACENAPHTHENE
	C555 2,4-DINITROPHENOL
	C560 4-NITROPHENOL
	C565 DIBENZOFURAN
	C543 2,6-DINITROTOLUENE
	C570 2,4-DINITROTOLUENE
	C580 DIETHYLPHTHALATE
	C585 4-CHLOROPHENYL PHENYL ETHER

No	Name
48	C590 FLUORENE
49	C595 4-NITROANILINE
50	C825 2-FLUOROBIPHENYL (SURROGATE)

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	150	1194	11:50	1	1.000	A BB	79412.	40.000 UG/L	5.82
2	94	1118	11:05	1	0.936	A BB	110.	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	108	1299	12:53	1	1.088	A BB	36.	0.021 UG/L	0.00
12	70	1296	12:51	1	1.085	A*BB	222.	0.142 UG/L	0.02
13	NOT FOUND								
14	112	900	8:55	1	0.754	A BB	119635.	65.624 %	9.55
15	99	1116	11:04	1	0.935	A BV	85564.	44.621 %	6.49
16	136	1514	15:00	16	1.000	A BB	187968.	40.000 UG/L	5.82
17	77	1335	13:14	16	0.882	A BB	408.	0.185 UG/L	0.03
18	82	1399	13:52	16	0.924	A BB	50.	0.011 UG/L	0.00
19	NOT FOUND								
20	NOT FOUND								
21	122	1463	14:30	16	0.966	A BB	60.	0.067 UG/L	0.01
22	93	1461	14:29	16	0.965	A BB	808.	0.316 UG/L	0.05
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	82	1335	13:14	16	0.882	A BV	111507.	82.552 %	12.01
31	162	1974	19:34	31	1.000	A BB	91338.	40.000 UG/L	5.82
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	109	2007	19:54	31	1.017	A*BB	76.	0.164 UG/L	0.02
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	149	2094	20:45	31	1.061	A BB	1194.	0.353 UG/L	0.05
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	172	1797	17:49	31	0.910	A BV	130140.	78.676 %	11.45

Quantitation Report File: APR02VG02

Data: APR02VG02.TI
04/02/91 16:36:00
Sample: 90898 OH-/H+ CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

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

No	Name
51	CS55 2,4,6-TRIBROMOPHENOL (SURROGATE)
52	CI60 D10-PHENANTHRENE (INTERNAL)
53	C610 4,6-DINITRO-2-METHYLPHENOL
54	C625 4-BROMOPHENYL PHENYL ETHER
55	C630 HEXACHLOROBENZENE
56	C635 PENTACHLOROPHENOL
57	C640 PHENANTHRENE
58	C645 ANTHRACENE
59	C650 DI-N-BUTYLPHTHALATE
60	C655 FLUORANTHENE
61	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	2182	21:38	31	1.105	A BB	31796.	78.062 %	11.36
52	188	2361	23:24	52	1.000	A BV	137273.	40.000 UG/L	5.82
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	266	2326	23:03	52	0.985	A BB	596.	1.263 UG/L	0.18
57	178	2367	23:28	52	1.003	A*BB	144.	0.035 UG/L	0.01
58	NOT FOUND								
59	149	2521	24:59	52	1.068	A BB	337.	0.068 UG/L	0.01
60	NOT FOUND								
61	77	2152	21:20	52	0.911	A BB	406.	0.083 UG/L	0.01
62	NOT FOUND								
63	NOT FOUND								
64	240	3145	31:10	64	1.000	A BB	77165.	40.000 UG/L	5.82
65	149	2931	29:03	64	0.932	A BV	676.	0.438 UG/L	0.06

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	NOT FOUND								
68	149	3165	31:22	64	1.006	A BB	1787.	1.010 UG/L	0.15
69	NOT FOUND								
70	244	2784	27:36	64	0.885	A BB	93794.	93.399 %	13.59
71	264	4066	40:18	71	1.000	A BB	40903.	40.000 UG/L	5.82
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222260018237

001146

Quantitation Report File: APR02VG02A

Data: APR02VG02.TI
Date: 02/91 16:36:00
Sample #: 90898 OH-/H+ CLP 1UL. -1.0ML.
Cond.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SG Analyst: VG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT) * 0.164
Resp. fac. from Library Entry

No	CAS #	Name
1	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
2	36099-51-1	7-OXABICYCLO[4.1.0]HEPTANE, 3-METHYL-
3	822-67-3	2-CYCLOHEXEN-1-OL
4	930-68-7	2-CYCLOHEXEN-1-ONE
5	78-57-9	MENAZON
6	55170-80-4	1-DECENE, 2,4-DIMETHYL-
7	2540-82-1	FORMOTHION
8	152-20-5	PHOSPHOROTHIOIC ACID, O,O,S-TRIMETHYL ESTER
9	2953-29-9	PHOSPHORODITHIOIC ACID, O,O,S-TRIMETHYL ESTER
10	17210-55-8	PHOSPHOROTHIOIC ACID, O,O'-(SULFINYLDI-4,1-PHENYLENE)
11	203-64-5	4H-CYCLOPENTA[DEF]PHENANTHRENE
12	62108-26-3	DECANE, 2,6,8-TRIMETHYL-
13	2953-29-9	PHOSPHORODITHIOIC ACID, O,O,S-TRIMETHYL ESTER
14	17301-32-5	UNDECANE, 4,7-DIMETHYL-
15	74764-11-7	IRON, TRICARBONYL[N-(PHENYL-2-PYRIDINYLMETHYLENE)BENZE
16	69743-73-3	1,6-METHANO-1H-INDENE, 2,3,3A,4,5,8-HEXACHLORO-3A,6,7,
17	953-17-3	METHYL CARBOPHENOTHION
18	629-78-7	HEPTADECANE
19	54833-48-6	HEPTADECANE, 2,6,10,15-TETRAMETHYL-
20	603-11-2	1,2-BENZENEDICARBOXYLIC ACID, 3-NITRO-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	816	8:05	9	0.549	A BB	176512. UNK	14.321 BA	26.75
2	RIC	861	8:32	9	0.579	A BB	39096. UNK	3.172 B	5.92
3	RIC	928	9:12	9	0.624	A BB	7565. UNK	0.614	1.15
4	RIC	1027	10:11	9	0.691	A BB	19294 Hydrokatone	1.565 BA	2.92
5	RIC	1126	11:10	9	0.758	A VB	9468. UNK	0.768	1.43
6	RIC	1215	12:03	9	0.818	A BB	22347. UNK	1.813	3.39
7	RIC	1251	12:24	9	0.842	A BB	25188. UNK	2.044	3.82
8	RIC	1352	13:24	9	0.910	A BB	31700. Below	2.572	4.80
9	RIC	1486	14:44	9	1.000	A BB	202138. Below	16.400	30.63
10	RIC	1662	16:28	9	1.118	A BV	7830. UNK	0.635	1.19
11	RIC	1787	17:43	9	1.203	A BB	11256. UNK	0.913	1.71
12	RIC	1816	18:00	9	1.222	A BB	10425. HC	0.846	1.58
13	RIC	1835	18:11	9	1.235	A BB	5533. UNK	0.449	0.84
14	RIC	1954	19:22	9	1.315	A VB	8379. HC	0.680	1.27
15	RIC	2542	25:12	9	1.711	A BB	10913. HC	0.885	1.65
16	RIC	2583	25:36	9	1.738	A VB	5031. UNK	0.408	0.76
17	RIC	2594	25:43	9	1.746	A BB	39576. UNK	3.211	6.00
18	RIC	2622	25:59	9	1.764	A BB	9720. HC	0.789	1.47
19	RIC	2677	26:32	9	1.801	A BB	12916. HC	1.048	1.96
20	RIC	3165	31:22	9	2.130	A BB	5027. UNK	0.408	0.76

$$\frac{202138}{494090} \times 40 \times \frac{1}{1} \times \frac{1}{100} = 0.164$$

Trimethyl Ester Phosphorothioic acid #8

Trimethyl Ester Phosphorodithioic acid #9

9222601825

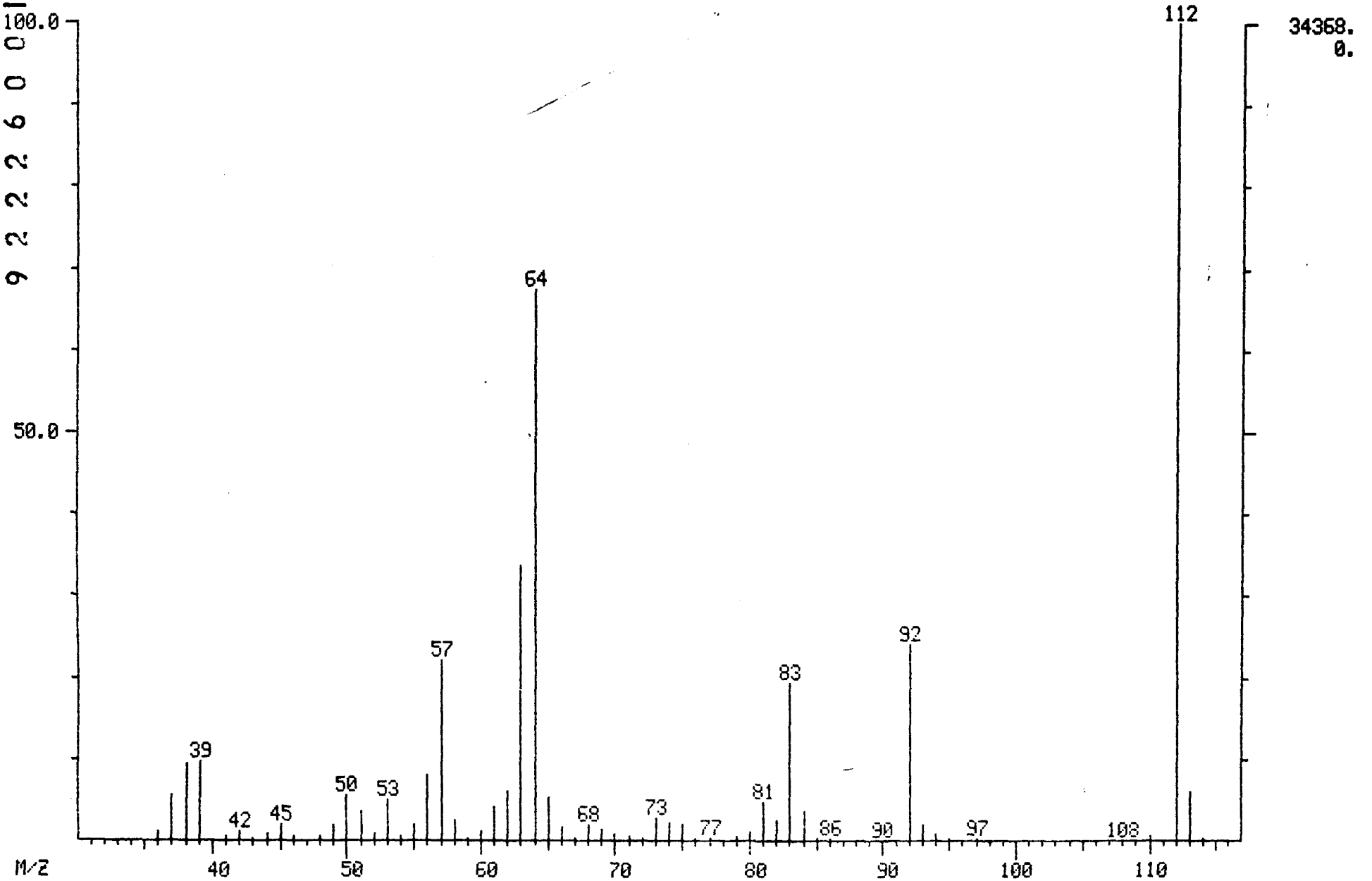
TARGET COMPOUND SPECTRA

00118

MASS SPECTRUM
04/02/91 16:36:00 + 8:55
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 89 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #900
CALI: APR02VG02 #3

BASE M/Z: 112
RIC: 132096.



9222260001326

001149

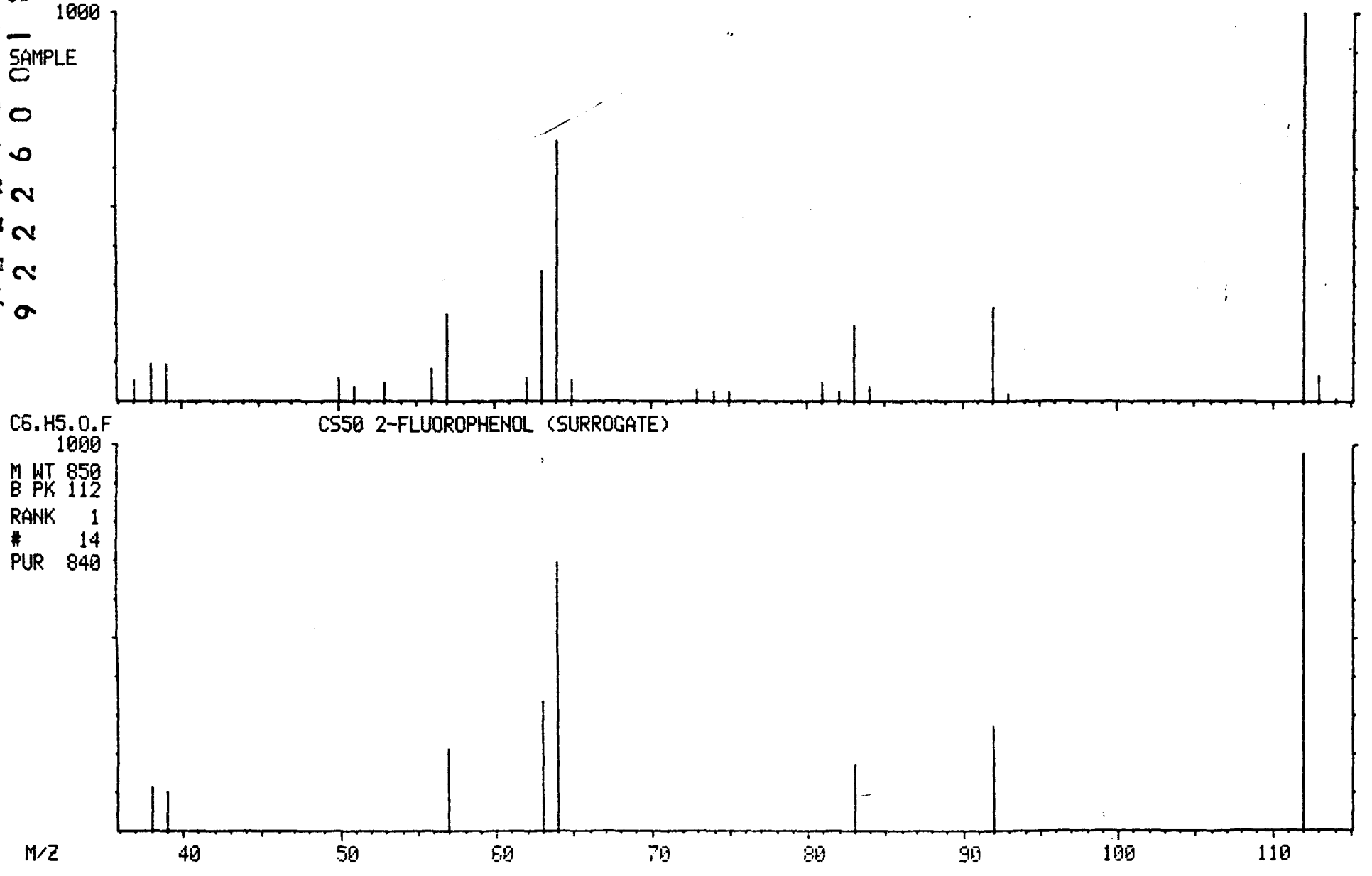
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 8:55
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 # 900
CALI: APR02VG02 # 3

BASE M/Z: 112
RIC: 120960.

9222600013 27

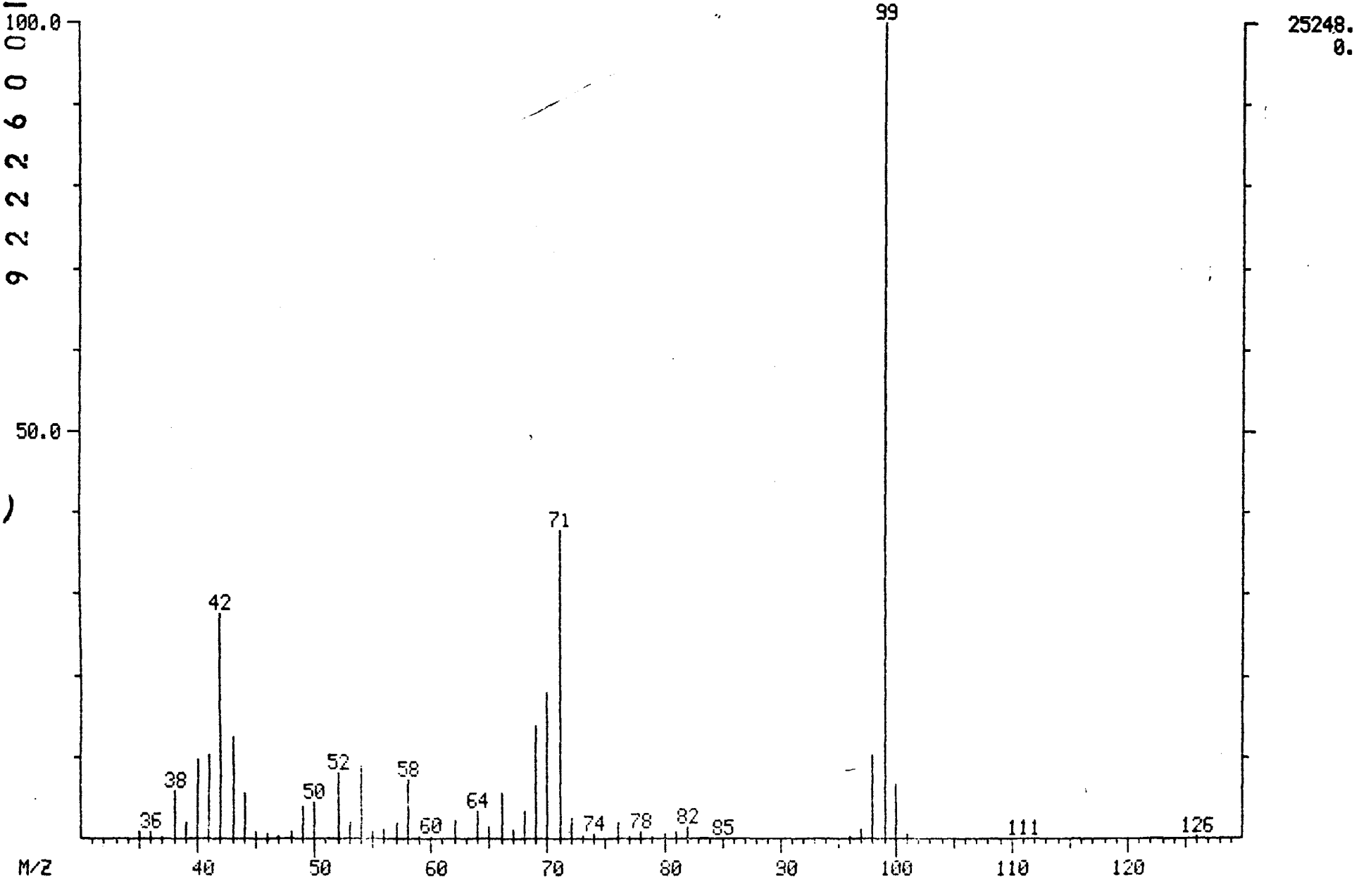
001150



MASS SPECTRUM
04/02/91 16:36:00 + 11:04
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 111 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1116
CALI: APR02VG02 #3

BASE M/Z: 99
RIC: 83840.

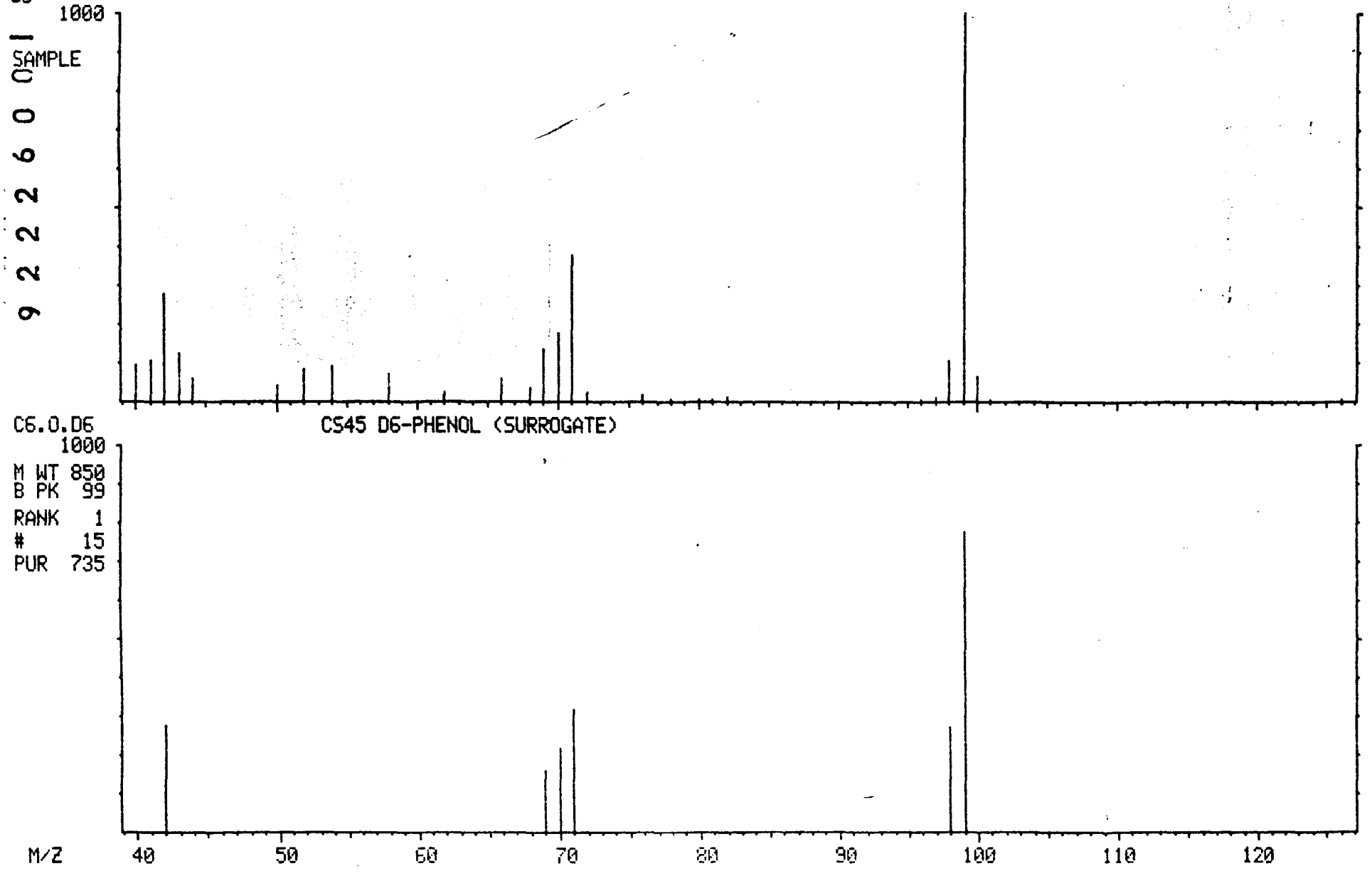


9222500176 2
9222600138 2
001451

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 11:04
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1116
CALI: APR02VG02 # 3

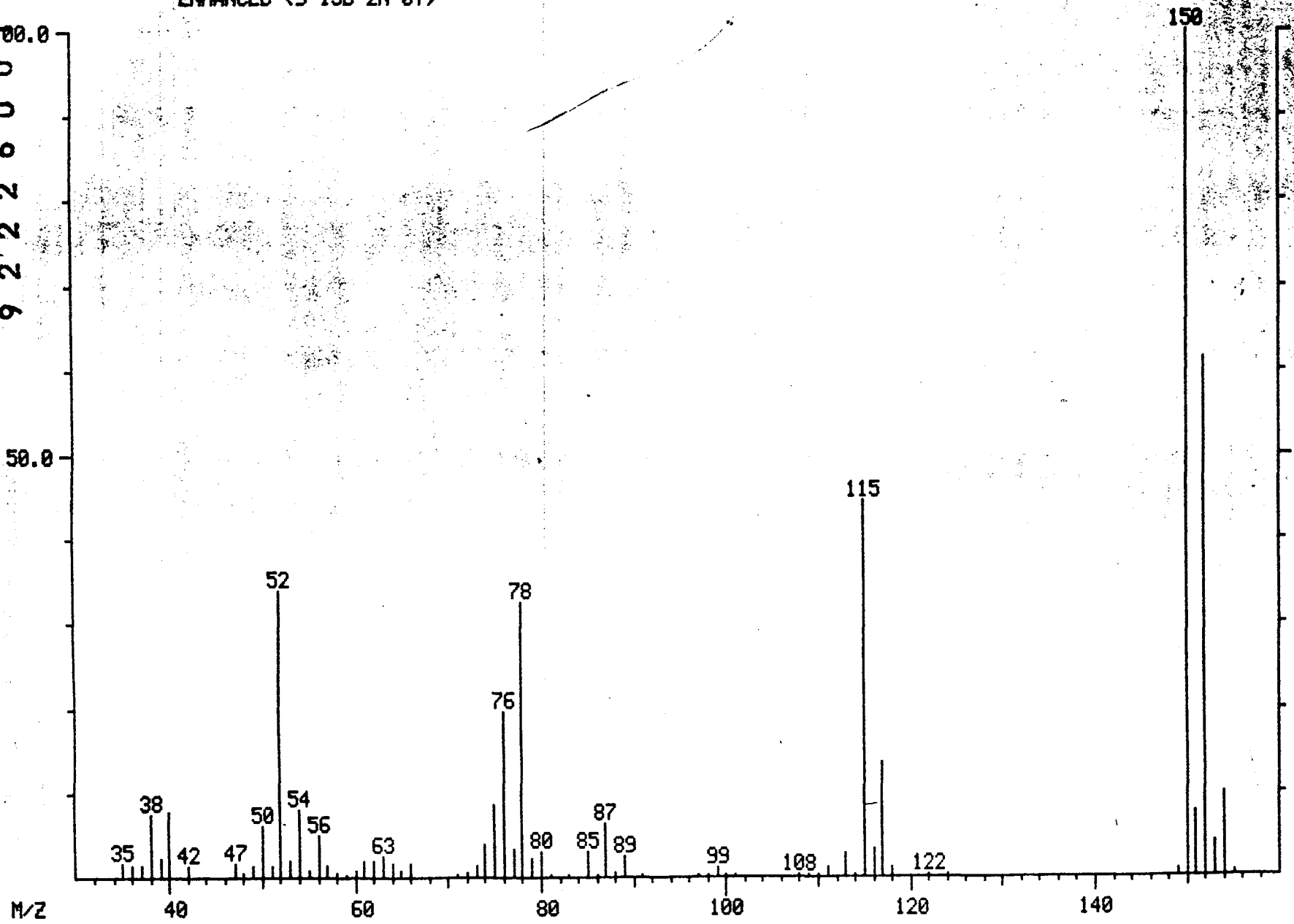
BASE M/Z: 99
RIC: 76288.



MASS SPECTRUM
04/02/91 16:36:00 + 11:50
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 119 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1194
CALI: APR02VG02 #3

BASE M/Z: 150
RIC: 100608.

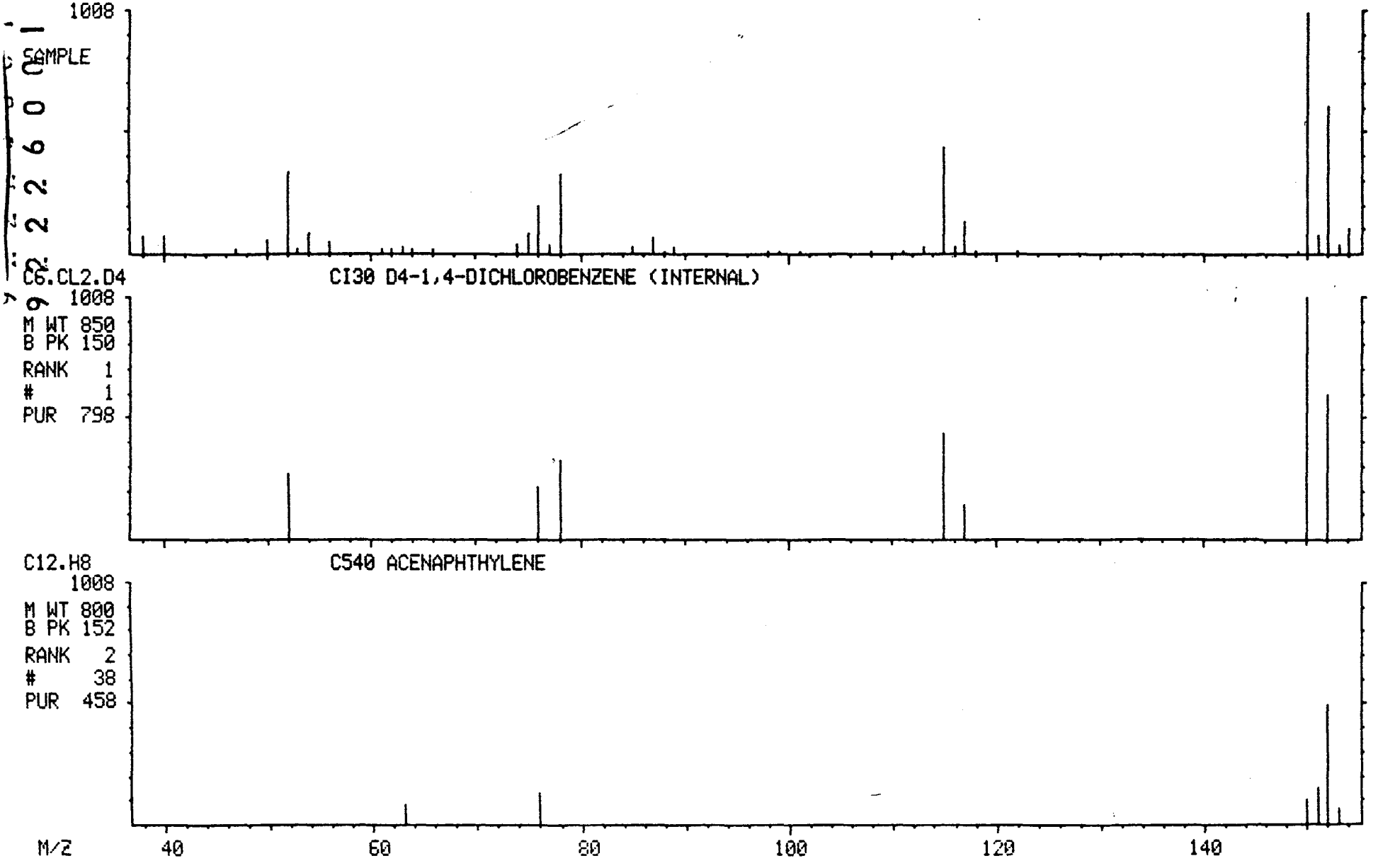


9222600830
001153

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 11:50
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1194
CALI: APR02VG02 # 3

BASE M/Z: 150
RIC: 94592.



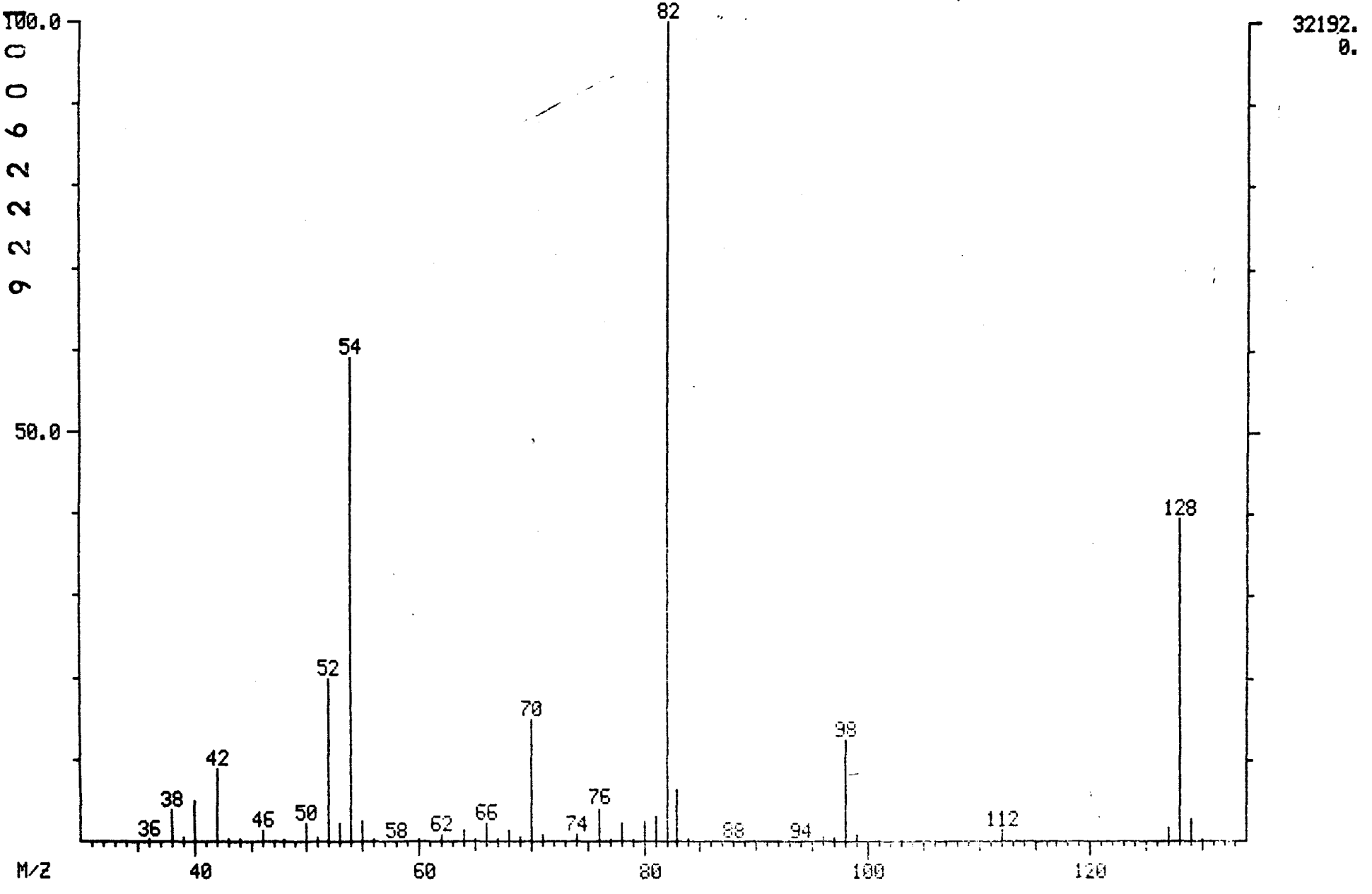
00154

MASS SPECTRUM
04/02/91 16:36:00 + 13:14
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1335
CALI: APR02VG02 #3

BASE M/Z: 82
RIC: 99968.

00155



9222600832

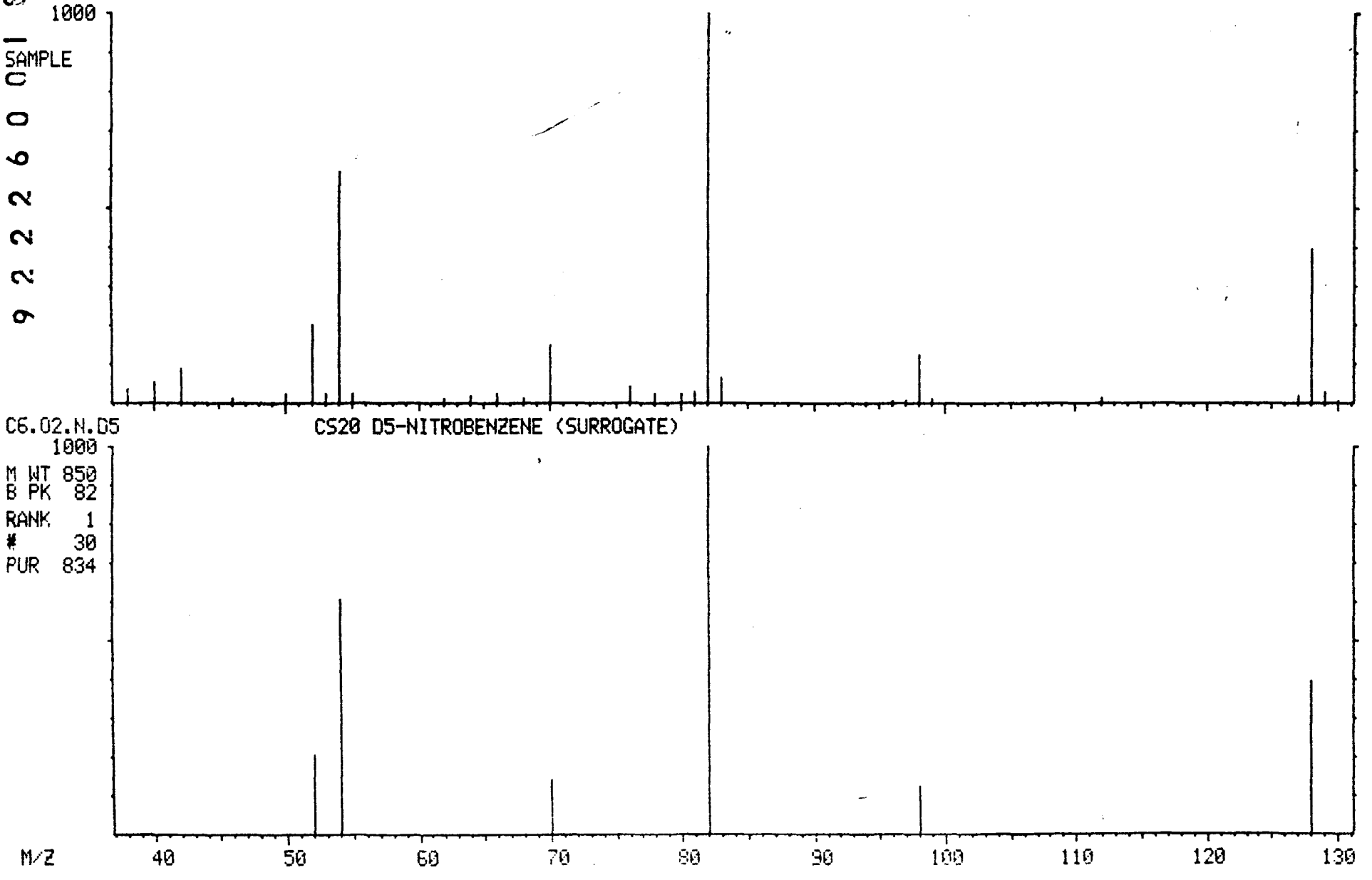
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 13:14
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1335
CALI: APR02VG02 # 3

BASE M/Z: 82
RIC: 97792.

001456

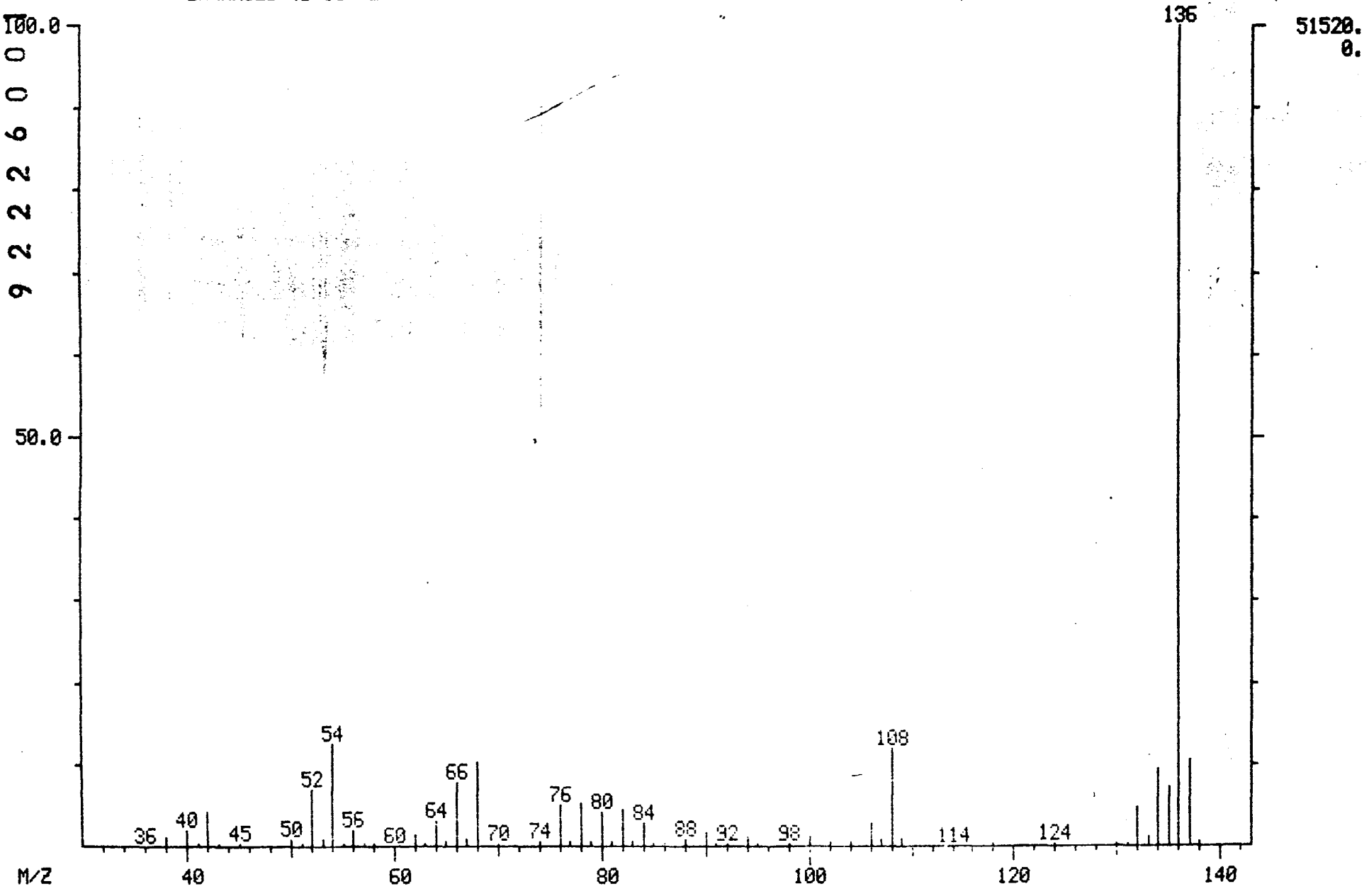
9222600133



MASS SPECTRUM
04/02/91 16:36:00 + 15:00
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 150 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1514
CALI: APR02VG02 #3

BASE M/Z: 136
RIC: 123136.



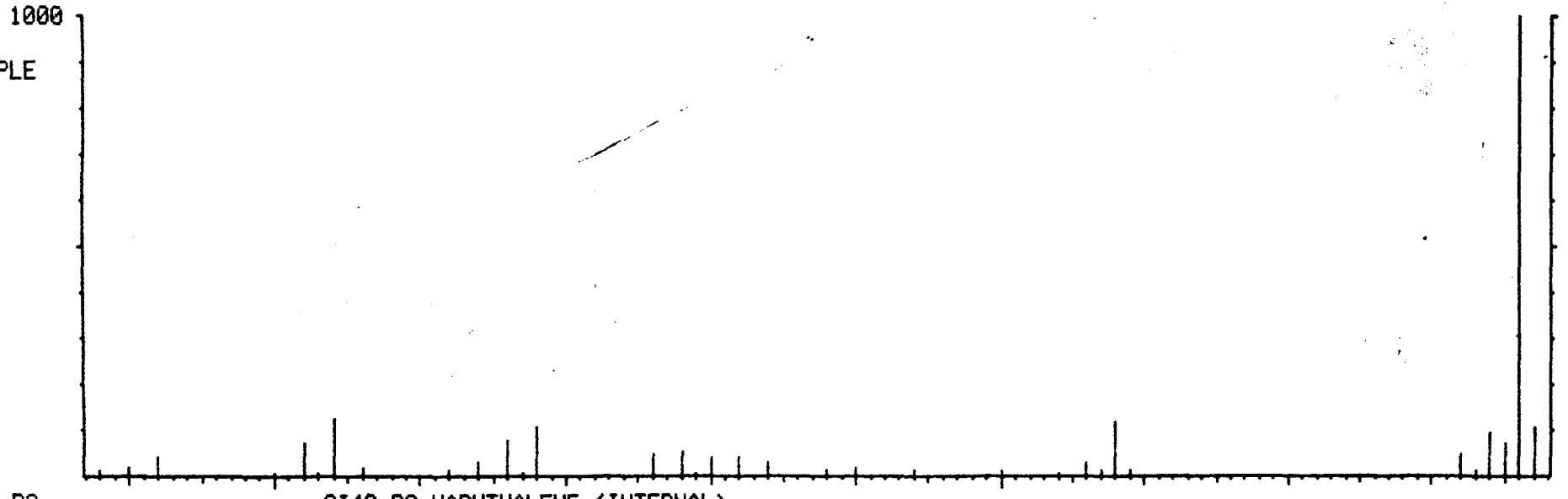
MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 15:00
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1514
CALI: APR02VG02 # 3

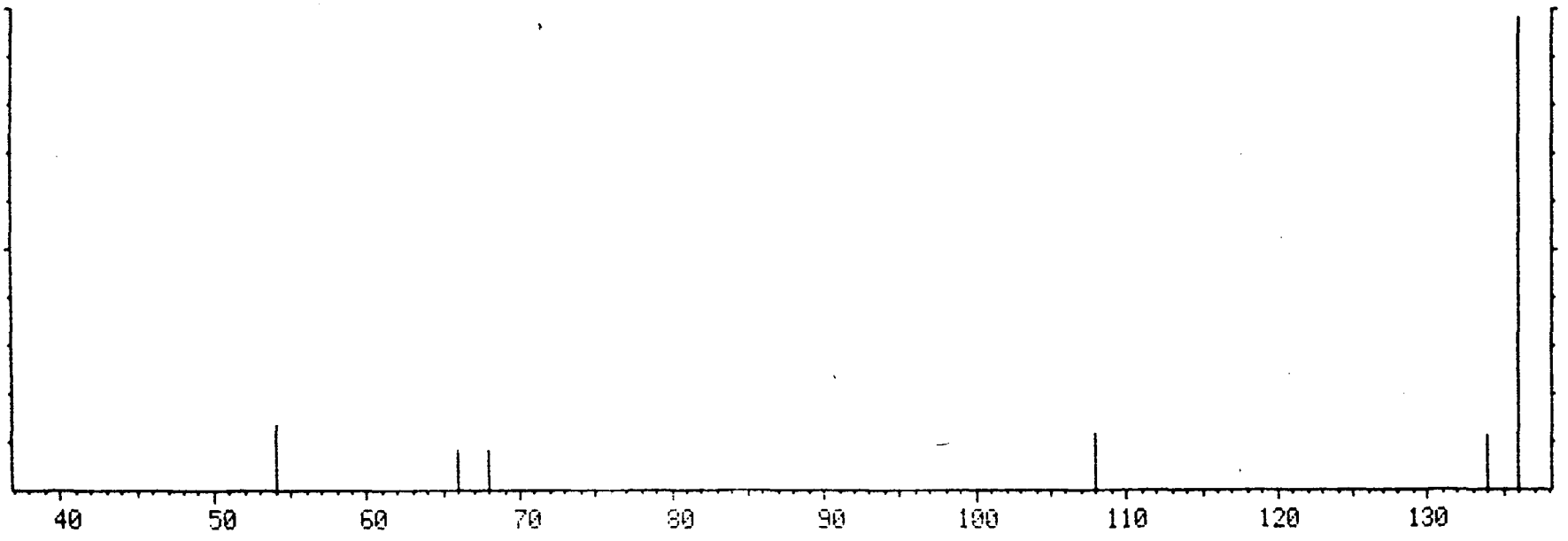
BASE M/Z: 136
RIC: 118272.

00145B

9222601335



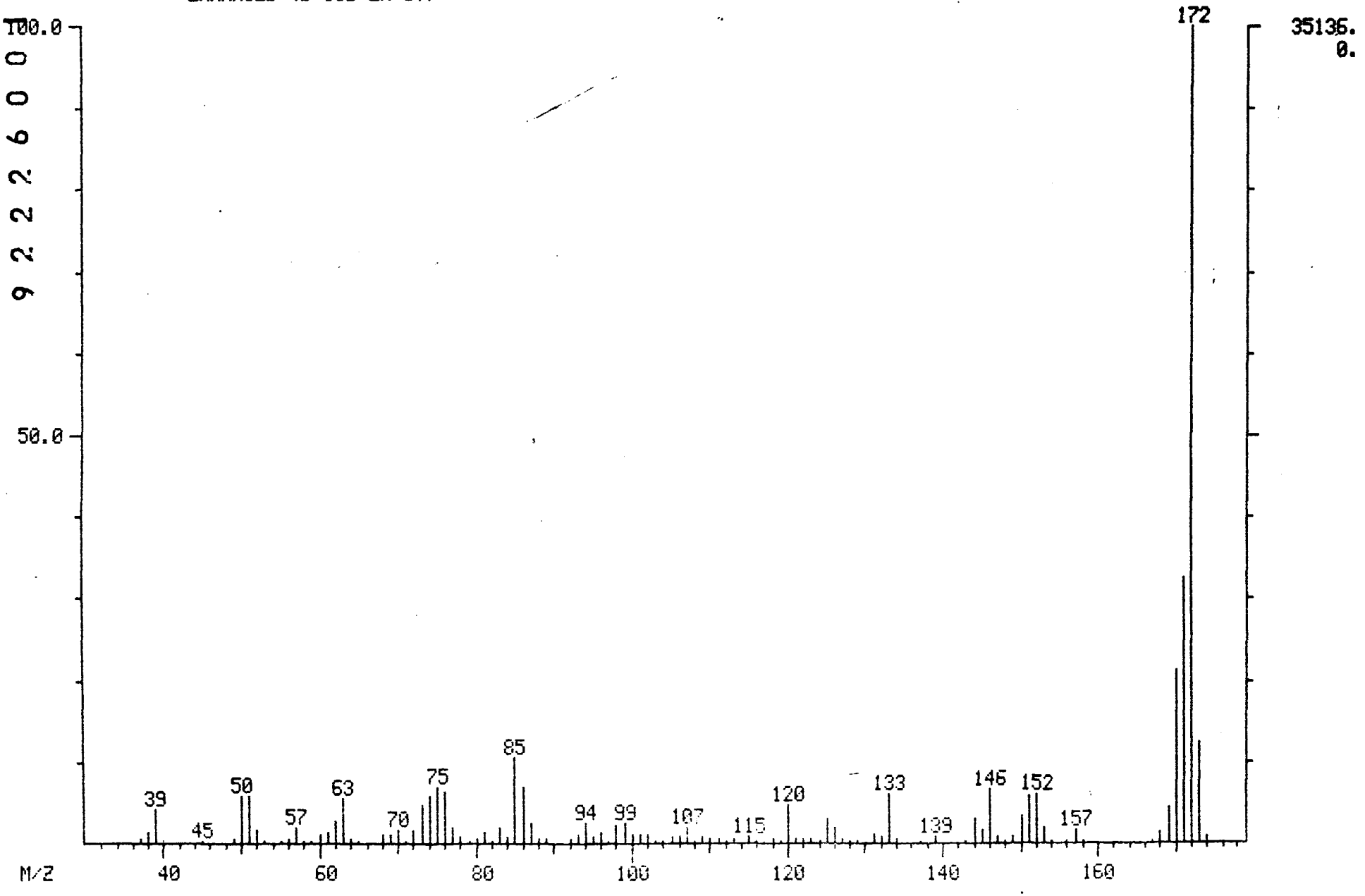
C10.D8 CI40 D8-NAPHTHALENE (INTERNAL)



MASS SPECTRUM
04/02/91 16:36:00 + 17:49
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1797
CALI: APR02VG02 #3

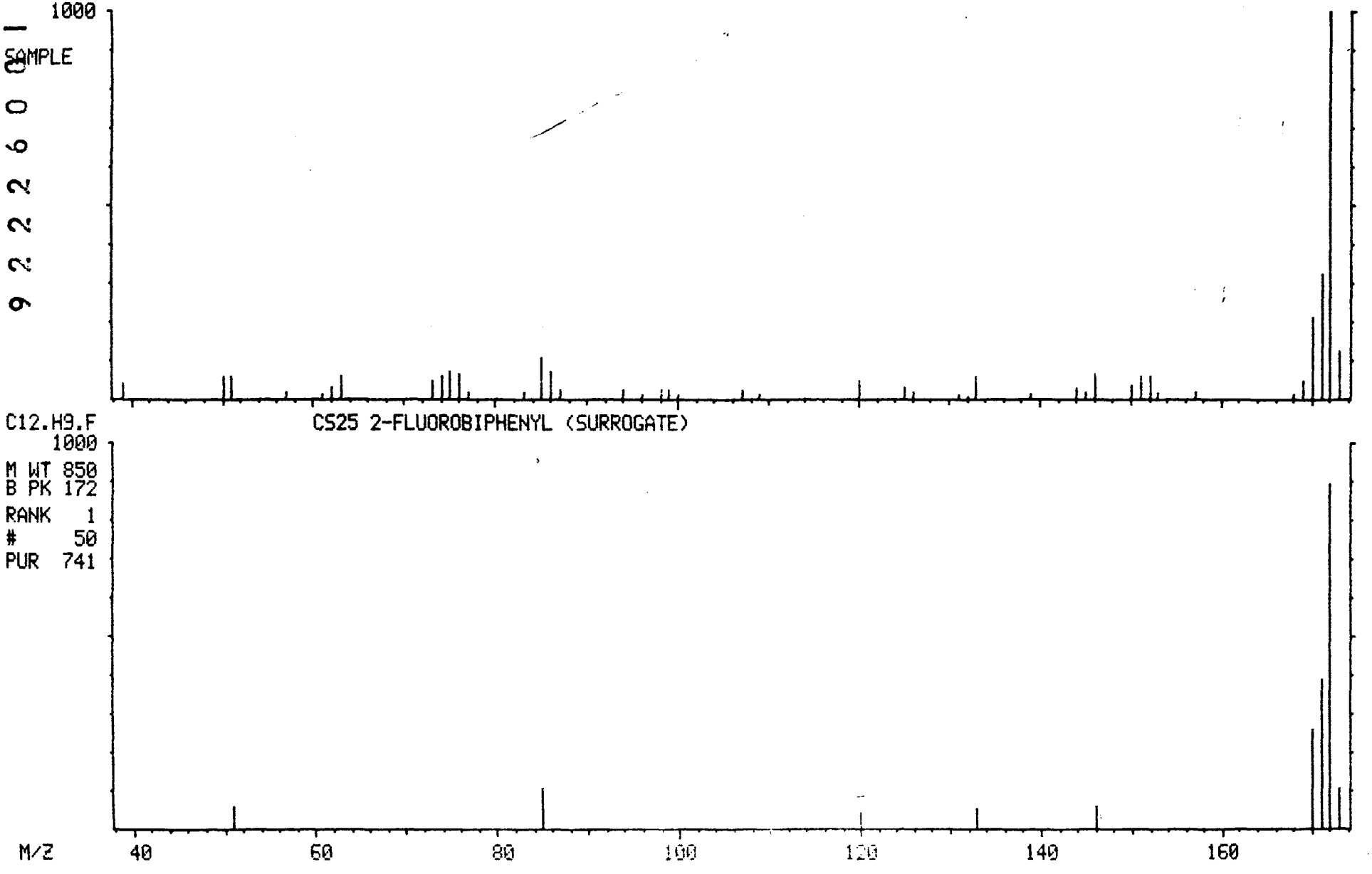
BASE M/Z: 172
RIC: 122112.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 17:49
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1797
CALI: APR02VG02 # 3

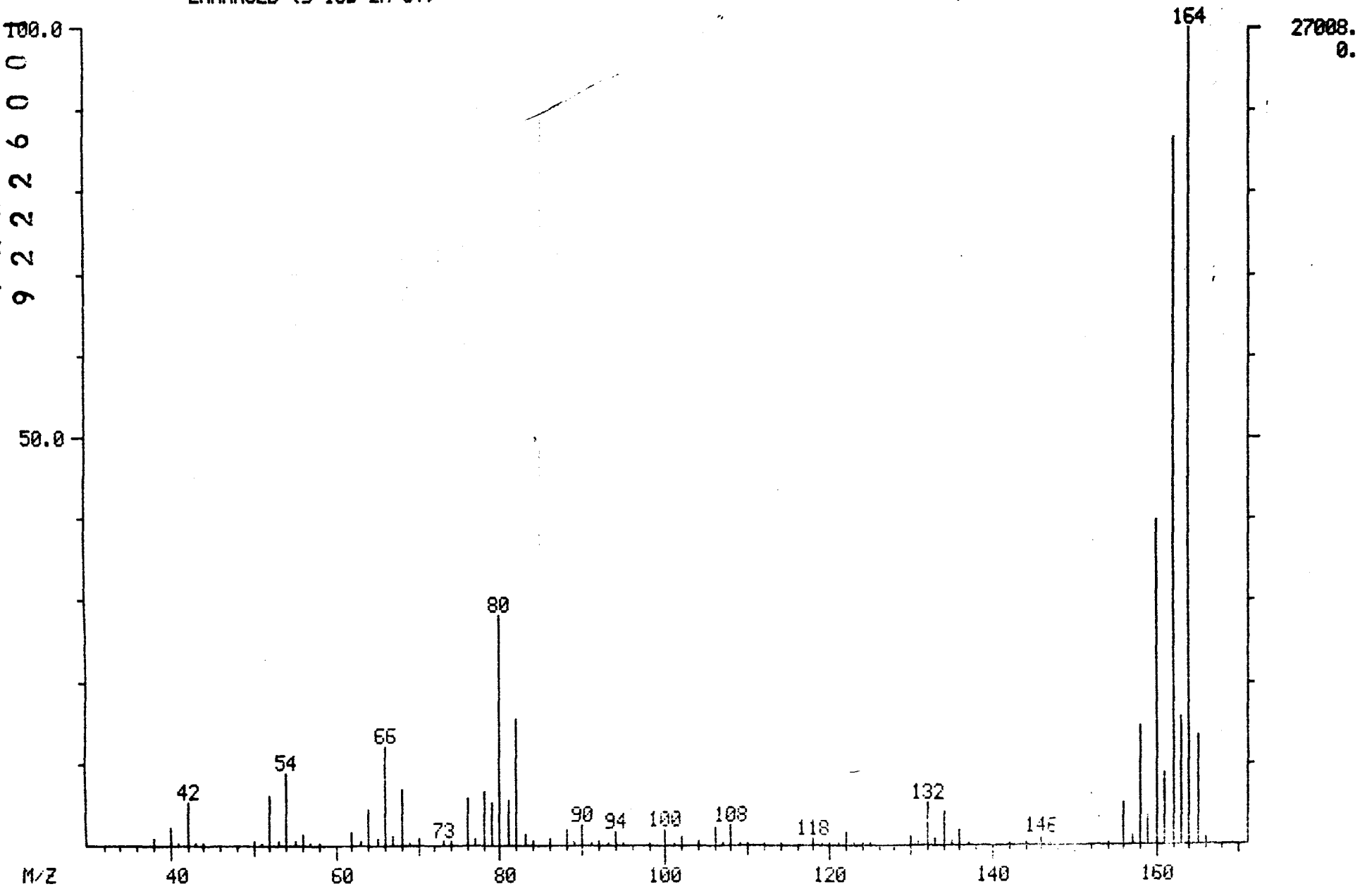
BASE M/Z: 172
RIC: 108800.



MASS SPECTRUM
04/02/91 16:36:00 + 19:34
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 197 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1974
CALI: APR02VG02 #3

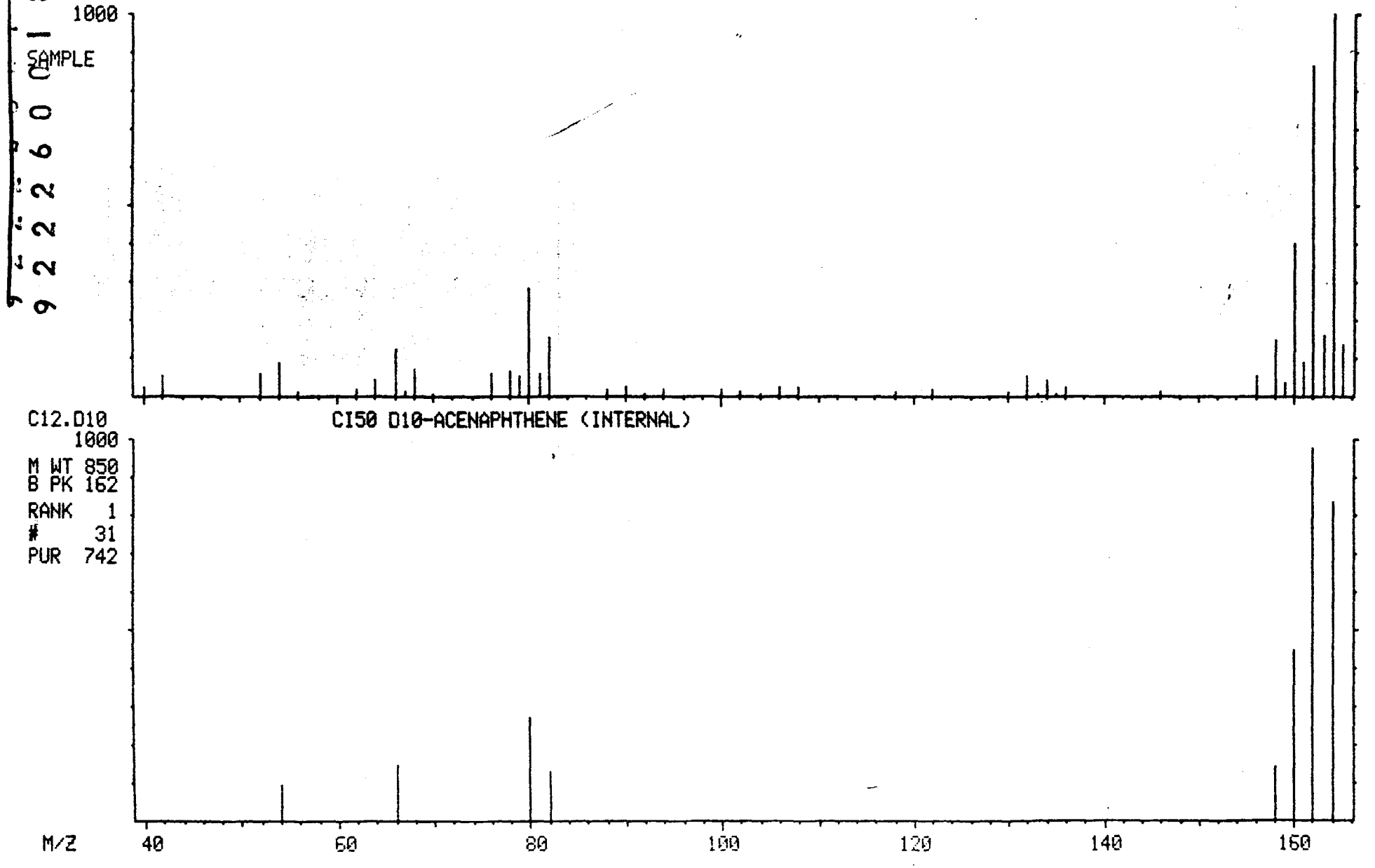
BASE M/Z: 164
RIC: 123520.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 19:34
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1974
CALI: APR02VG02 # 3

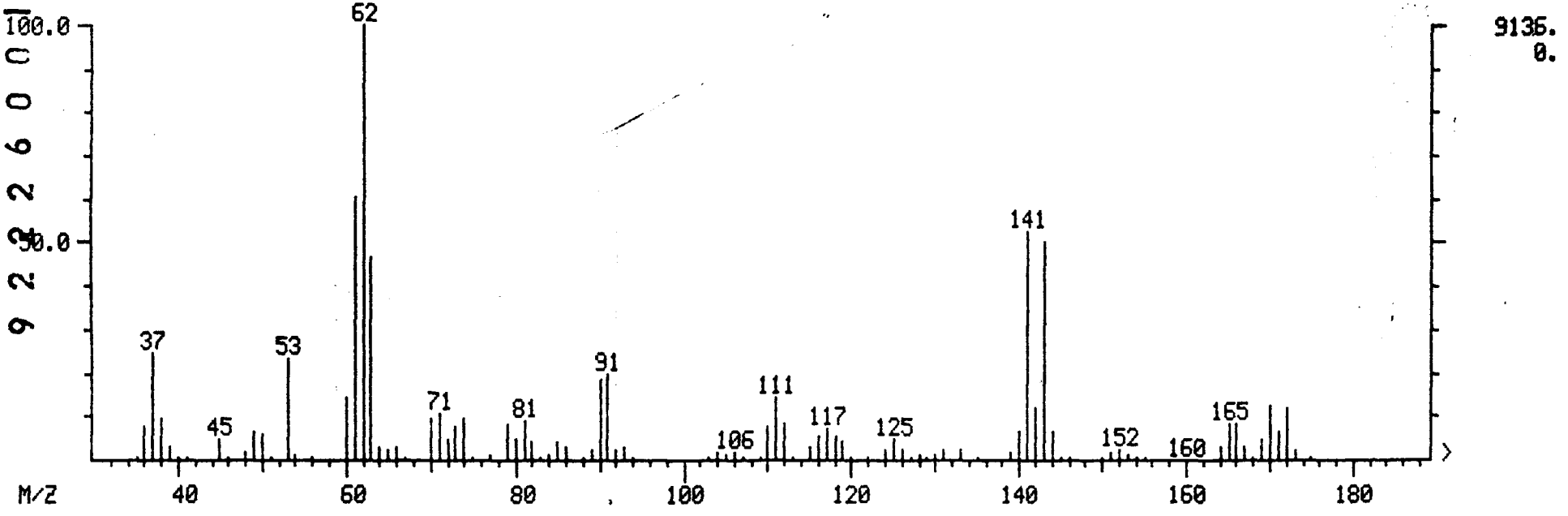
BASE M/Z: 164
RIC: 118272.

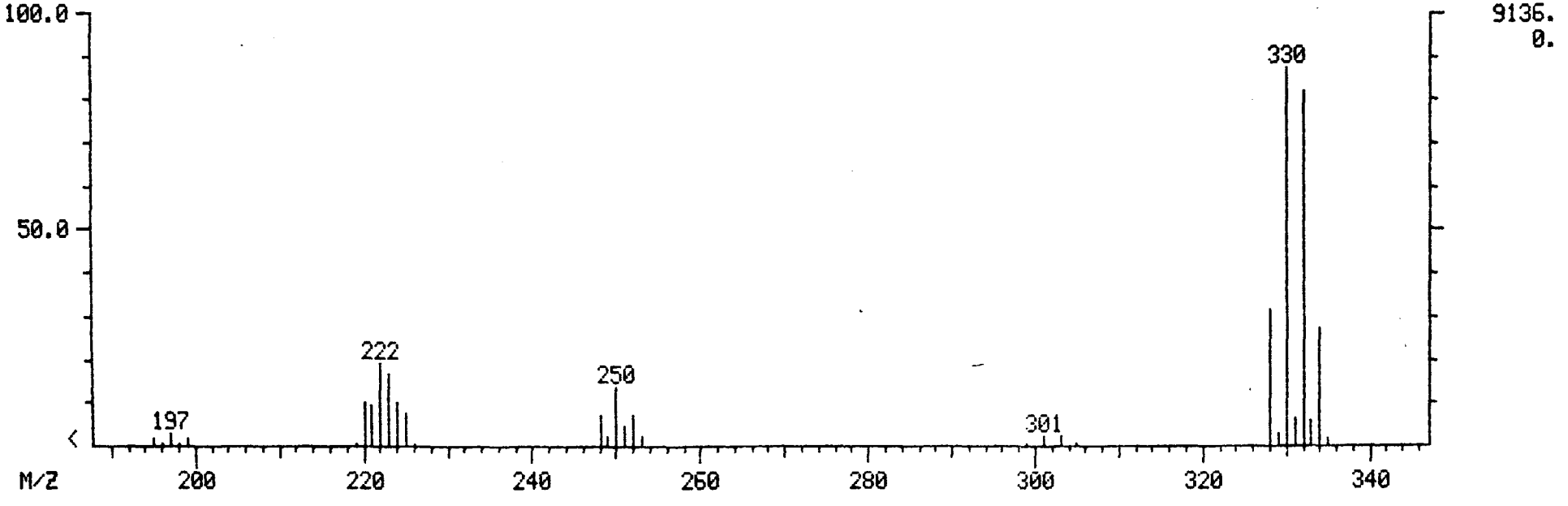


MASS SPECTRUM
04/02/91 16:36:00 + 21:38
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 218 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2182
CALI: APR02VG02 #3

BASE M/Z: 62
RIC: 100992.



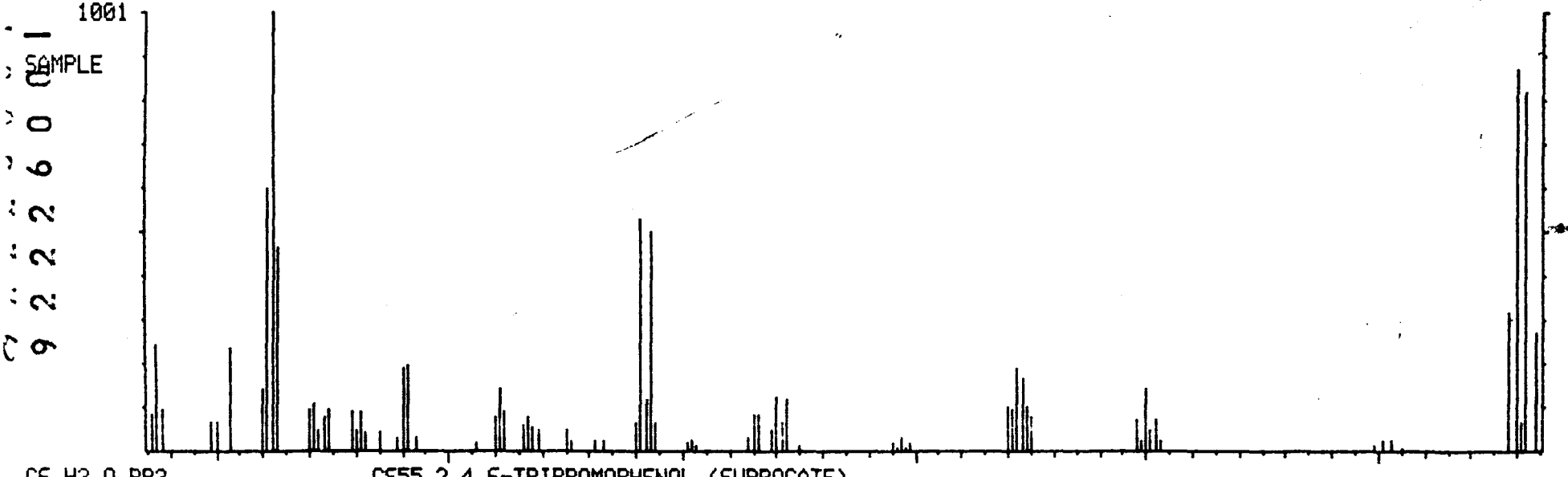


9222250001374
001163

MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 21:38
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

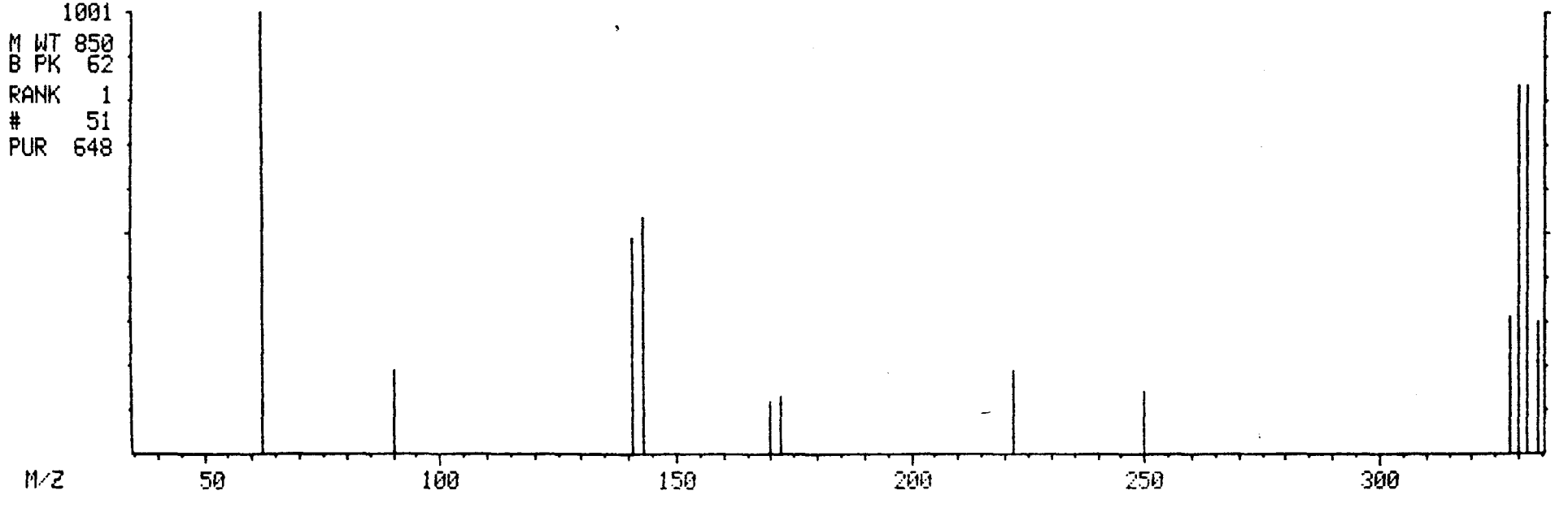
DATA: APR02VG02 #2182
CALI: APR02VG02 # 3

BASE M/Z: 62
RIC: 94464.



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

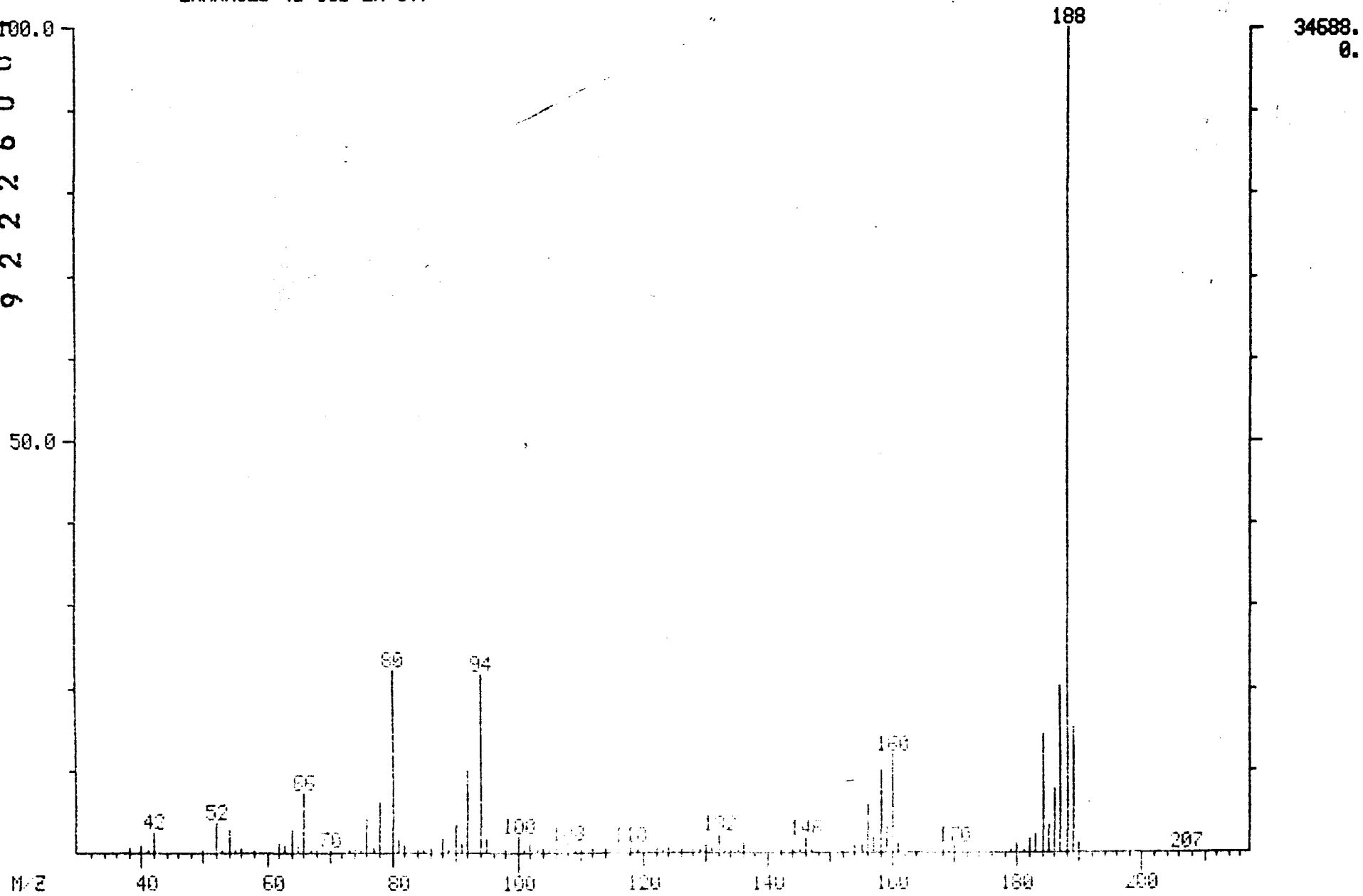
M WT 850
B PK 62
RANK 1
51
PUR 648



MASS SPECTRUM
04/02/91 16:36:00 + 23:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 235 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2361
CALI: APR02VG02 #3

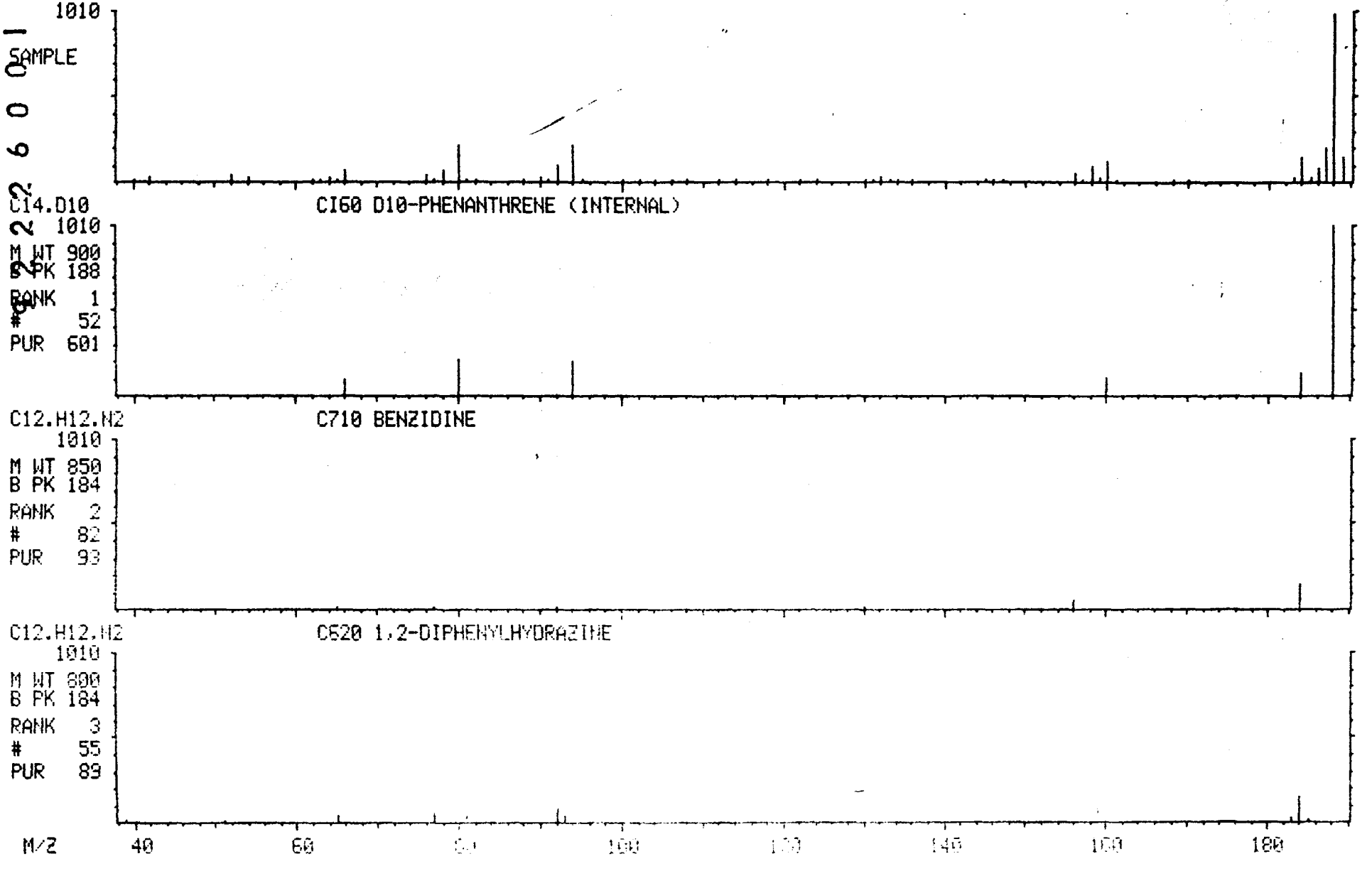
BASE M/Z: 188
RIC: 113792.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 23:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2361
CALI: APR02VG02 # 3

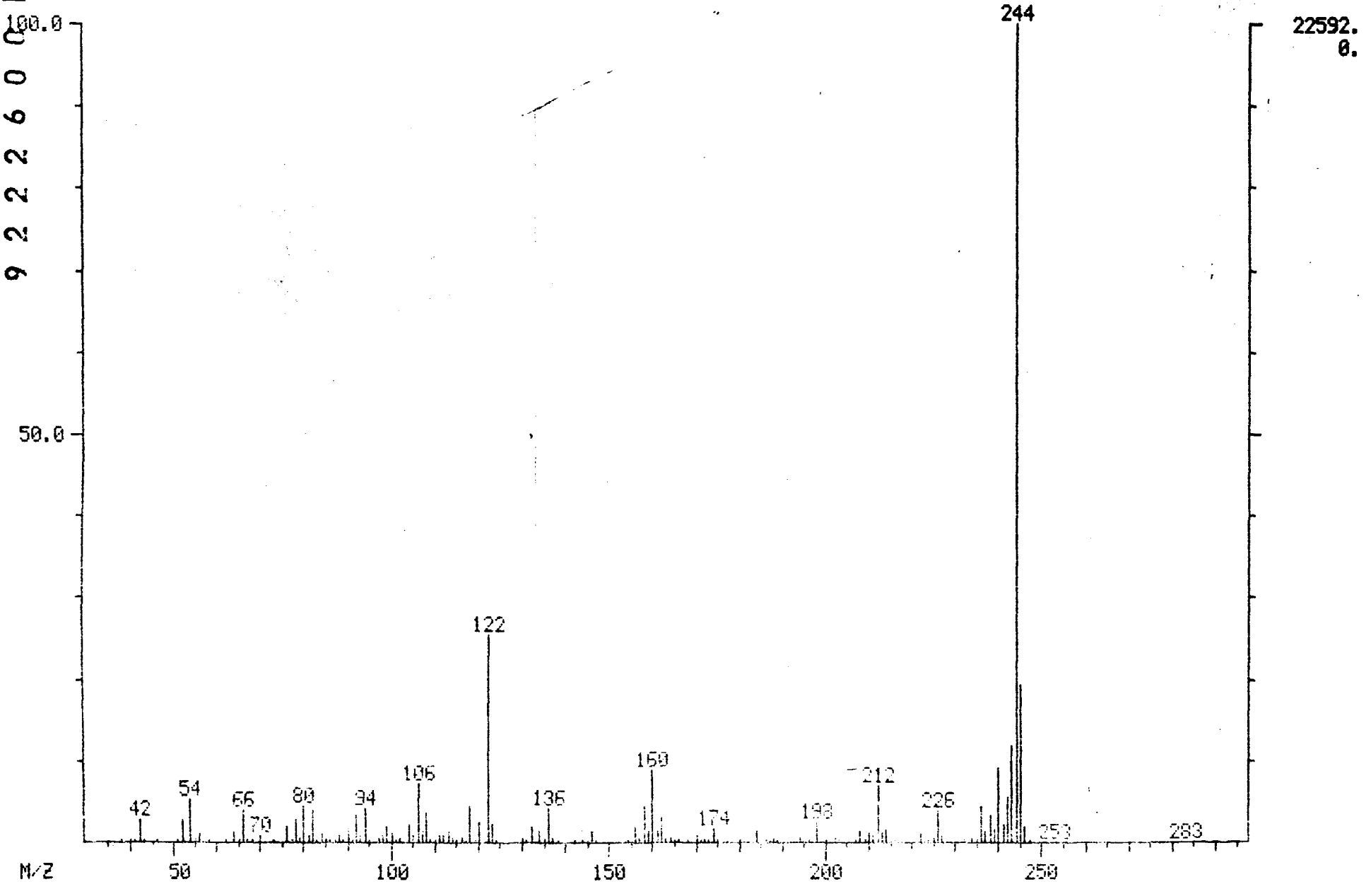
BASE M/Z: 188
RIC: 108032.



MASS SPECTRUM
04/02/91 16:36:00 + 27:36
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 277 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2784
CALI: APR02VG02 #3

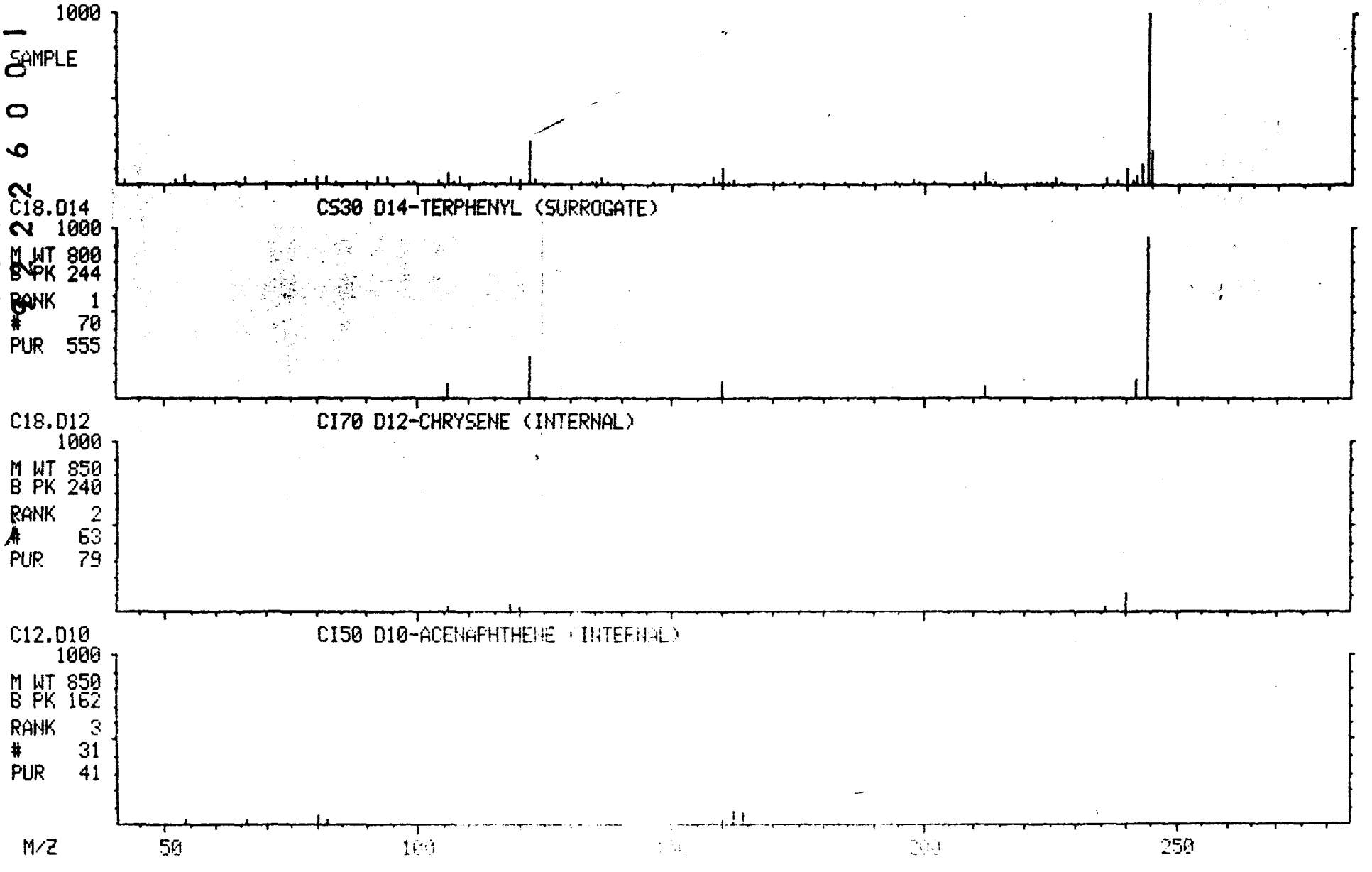
BASE M/Z: 244
RIC: 78080.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 27:36
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2784
CALI: APR02VG02 # 3

BASE M/Z: 244
RIC: 70656.

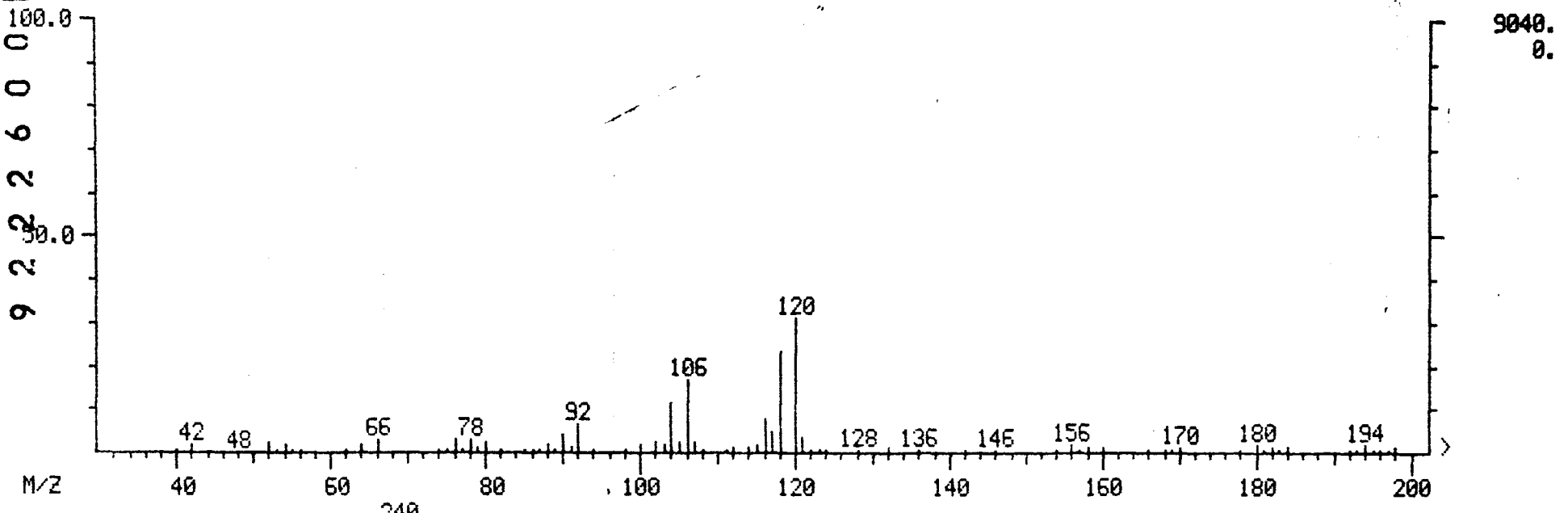


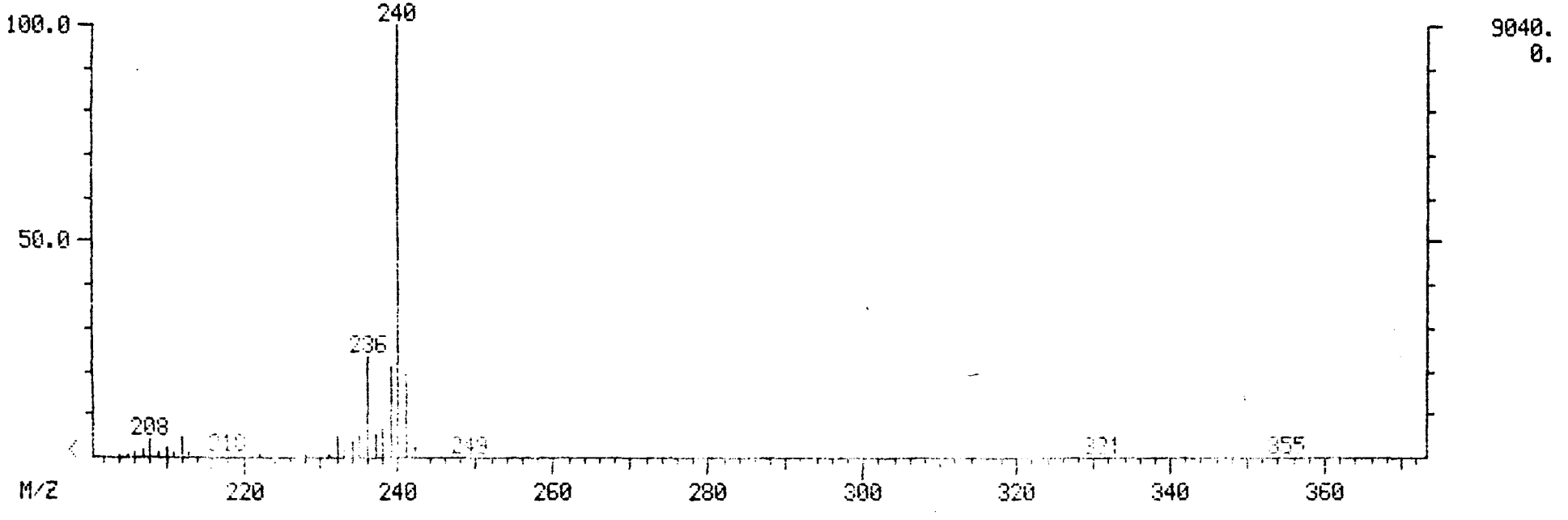
MASS SPECTRUM
04/02/91 16:36:00 + 31:10
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #3145
CALI: APR02VG02 #3

BASE M/Z: 240
RIC: 36032.

001169

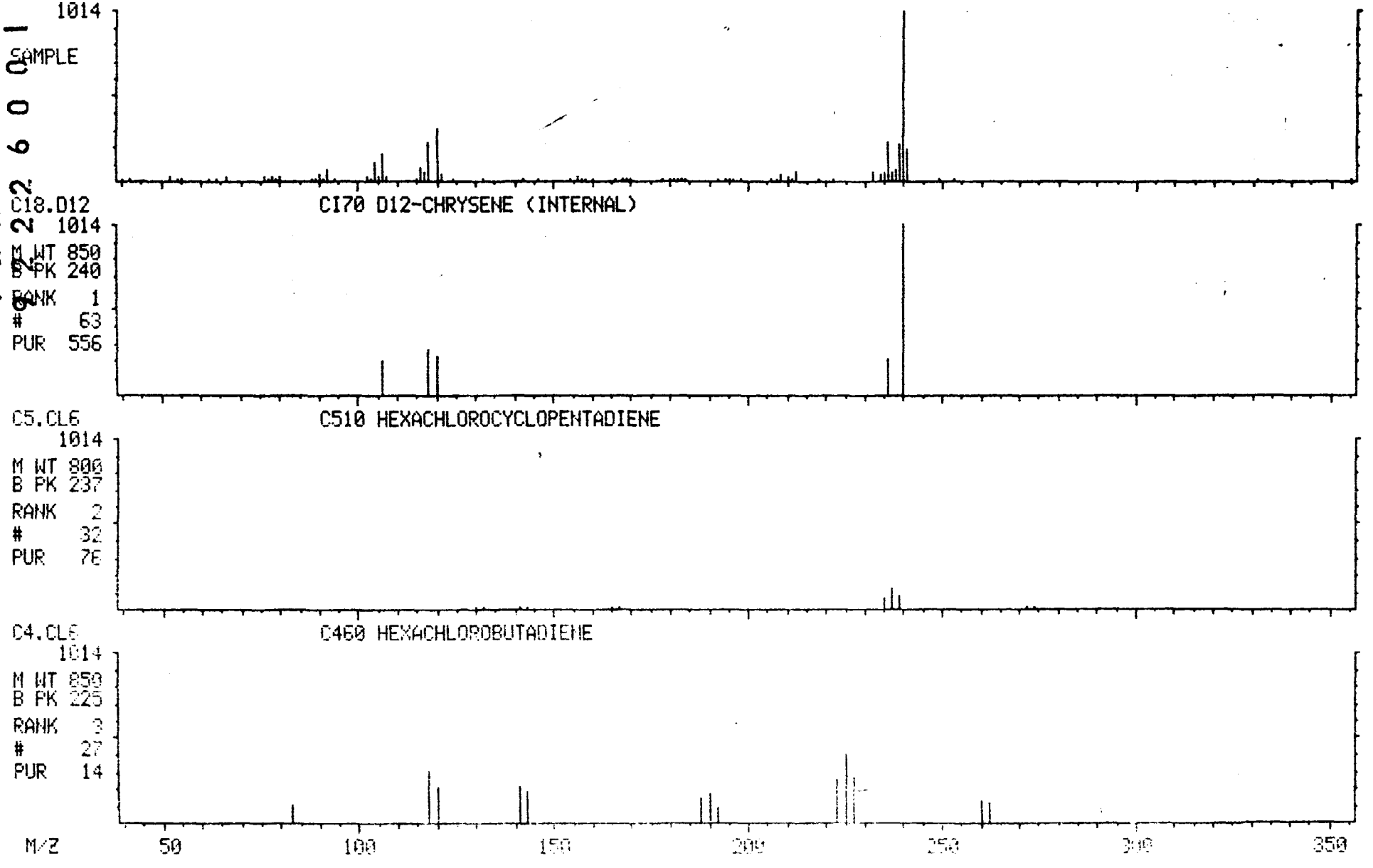




MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 31:10
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #3145
CALI: APR02VG02 # 3

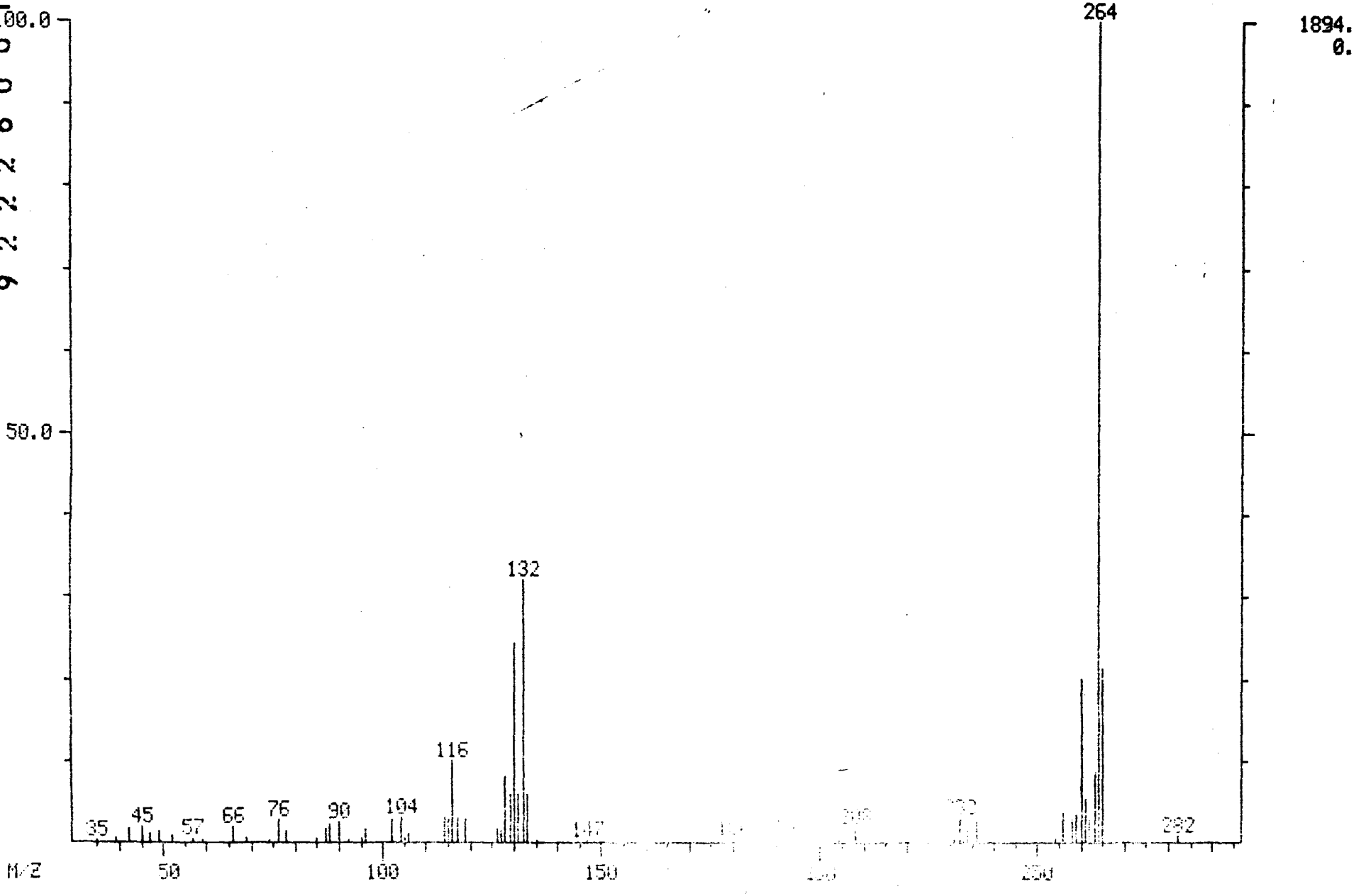
BASE M/Z: 240
RIC: 33856.



MASS SPECTRUM
04/02/91 16:36:00 + 40:18
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #4066
CALI: APR02VG02 #3

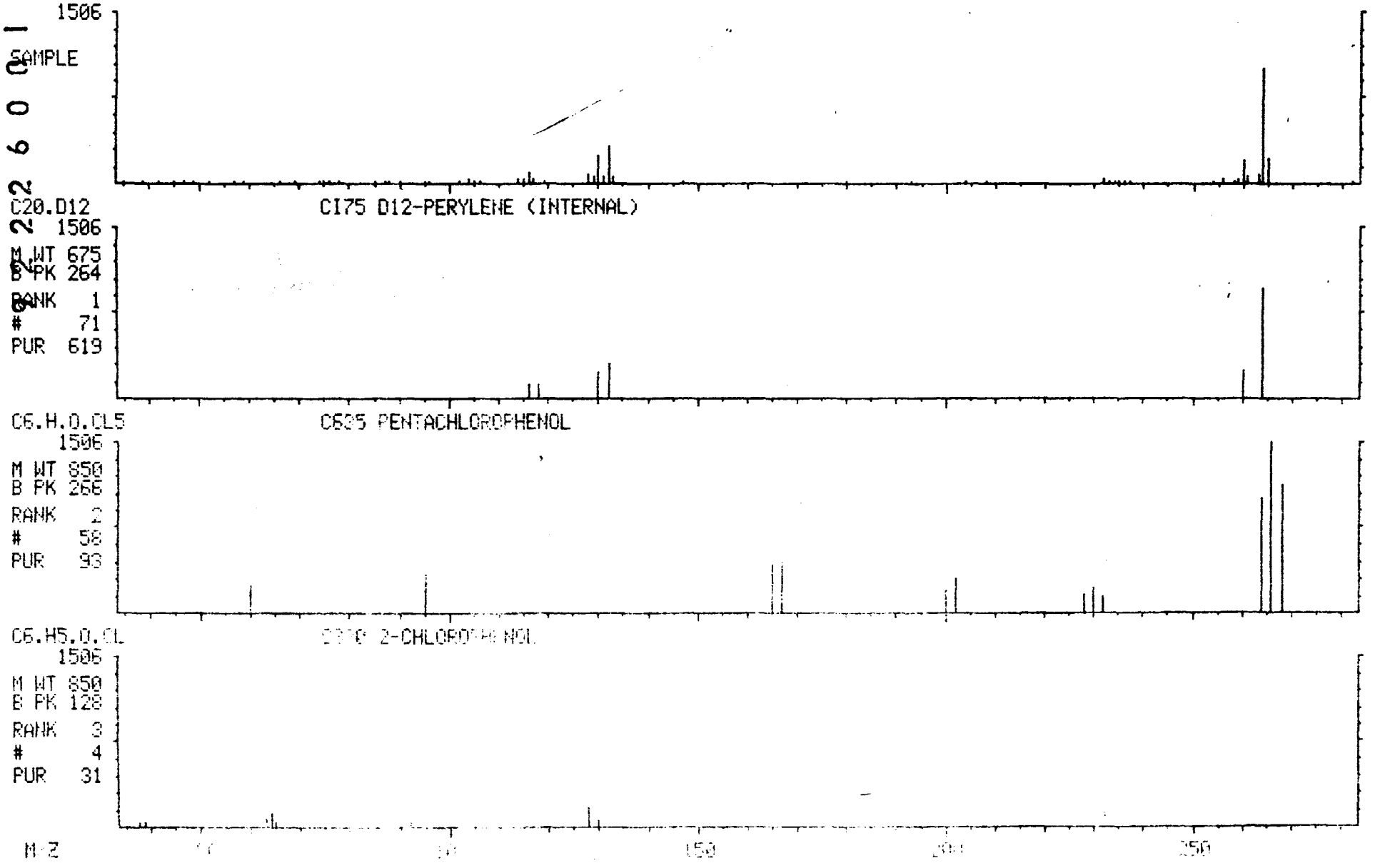
BASE M/Z: 264
RIC: 6104.



MID LIBRARY SEARCH (LIBRARYSW)
04/02/91 16:36:00 + 40:18
SAMPLE: 30898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #4066
CALI: APR02VG02 # 3

BASE M/Z: 264
RIC: 5984.



9222500178319
001172

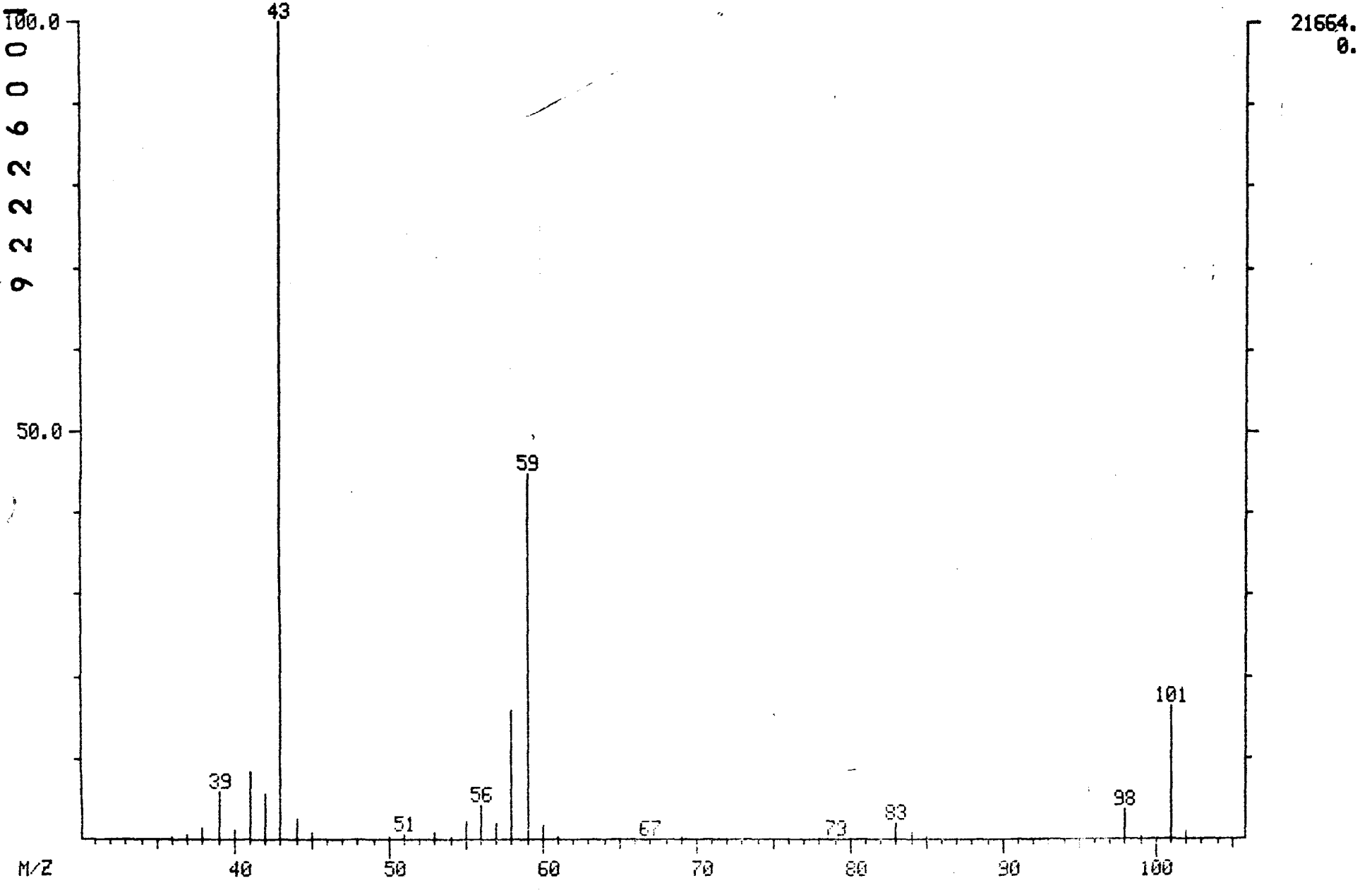
9222600018500

NON-TARGET COMPOUND SPECTRA

MASS SPECTRUM
04/02/91 16:36:00 + 8:05
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 81 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #816
CALI: APR02VG02 #3

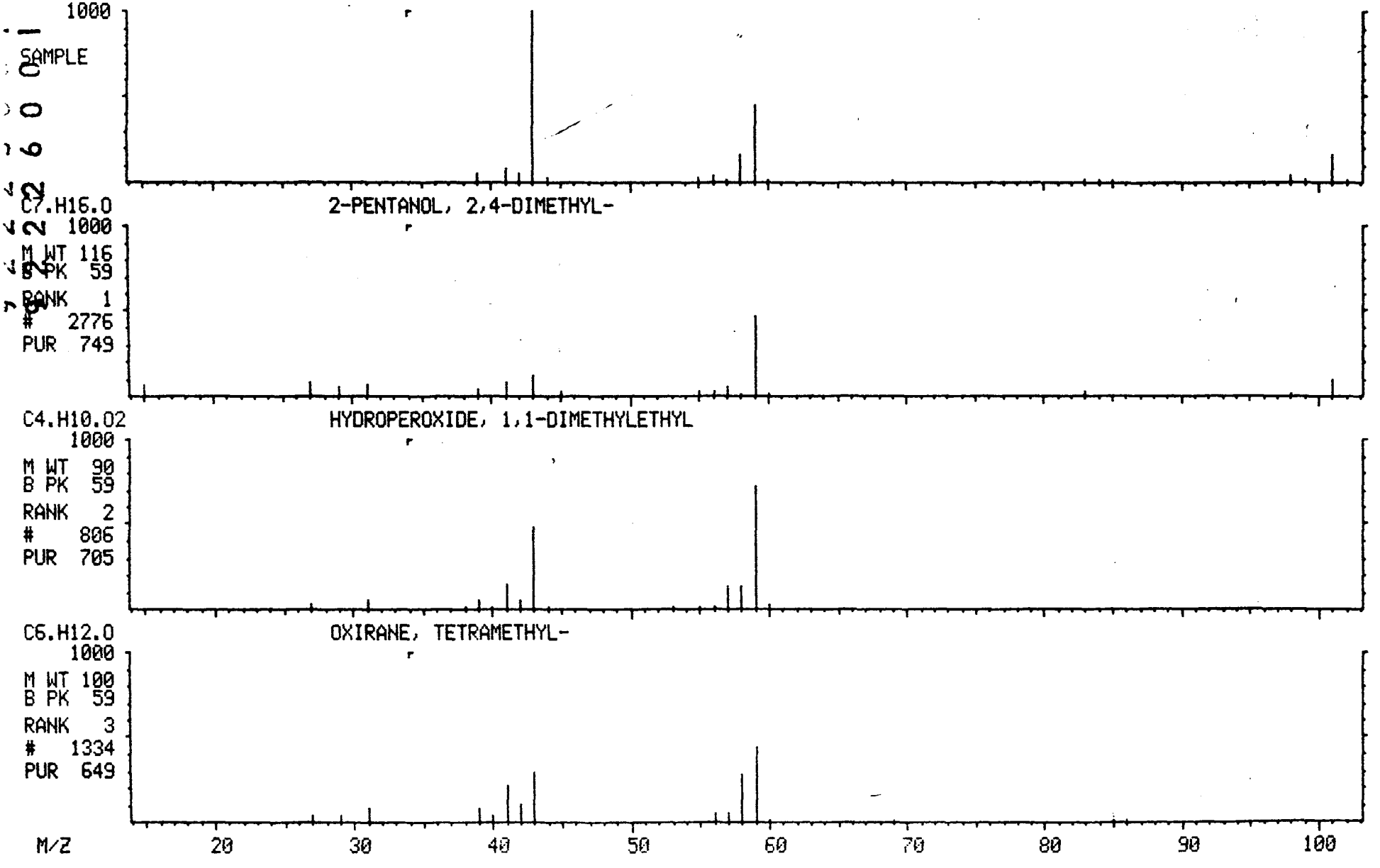
BASE M/Z: 43
RIC: 48448.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 8:05
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 # 816
CALI: APR02VG02 # 3

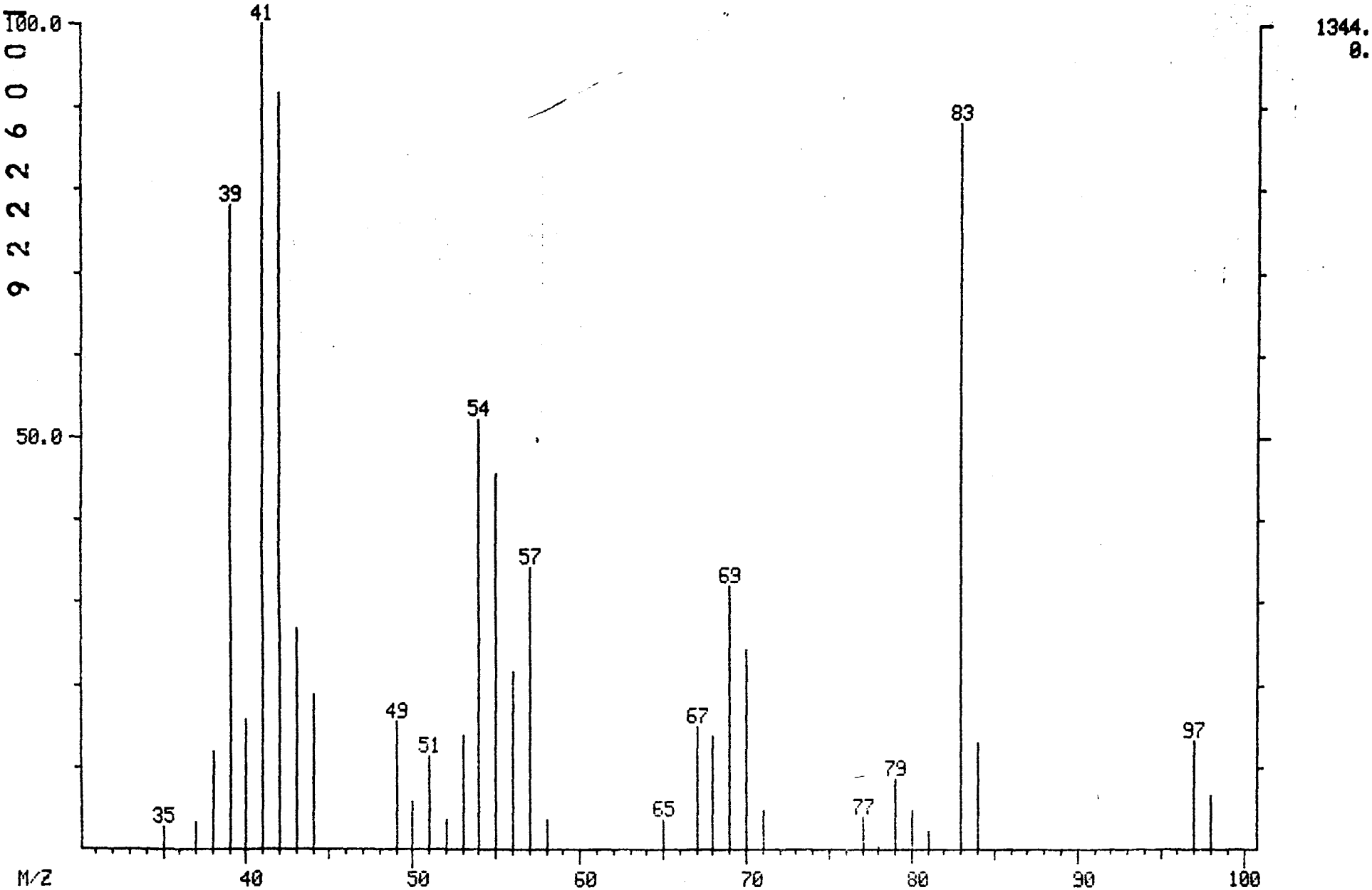
BASE M/Z: 43
RIC: 46912.



MASS SPECTRUM
04/02/91 16:36:00 + 8:32
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 85 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #861
CALI: APR02VG02 #3

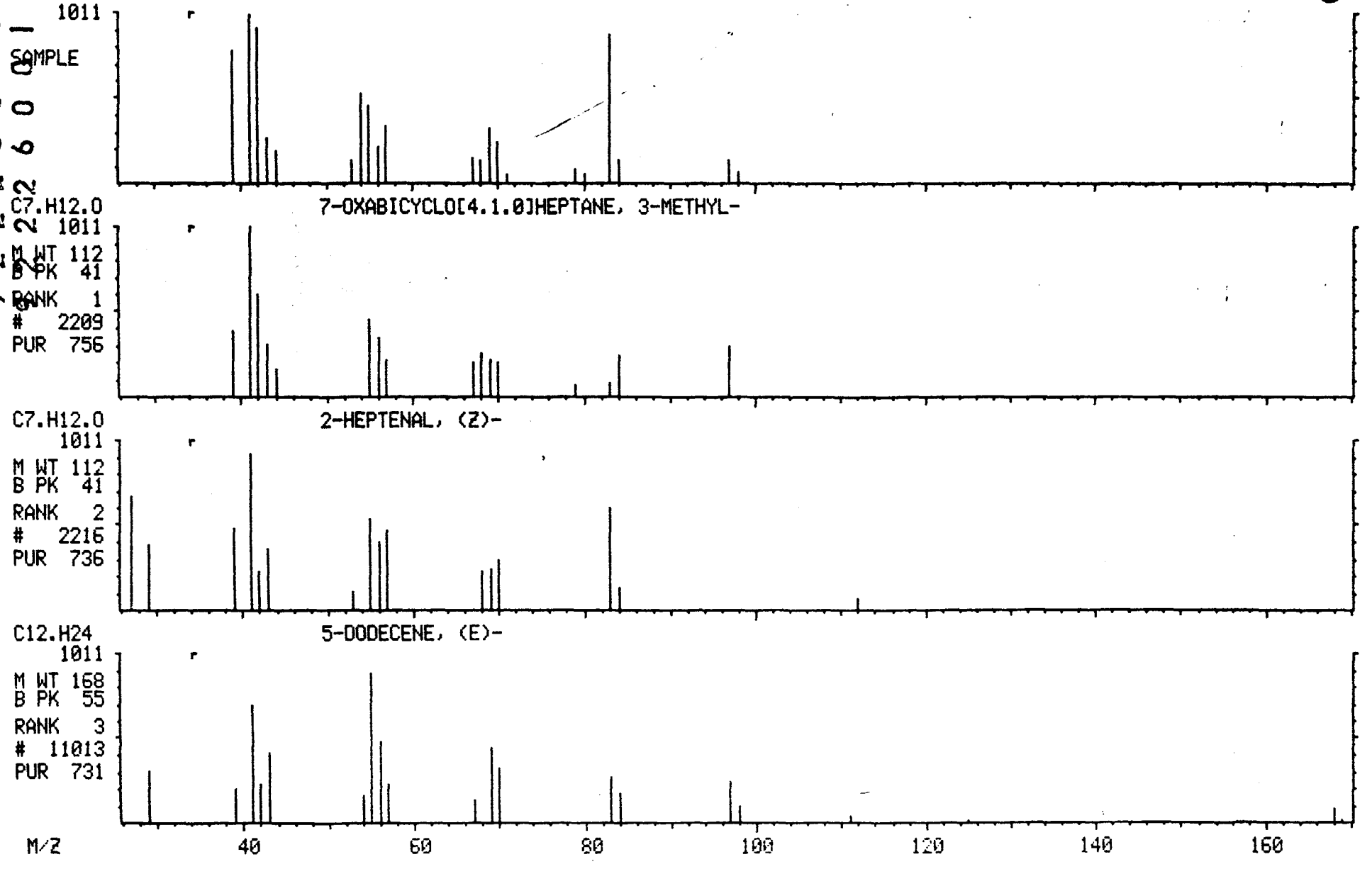
BASE M/Z: 41
RIC: 10624.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 8:32
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 # 861
CALI: APR02VG02 # 3

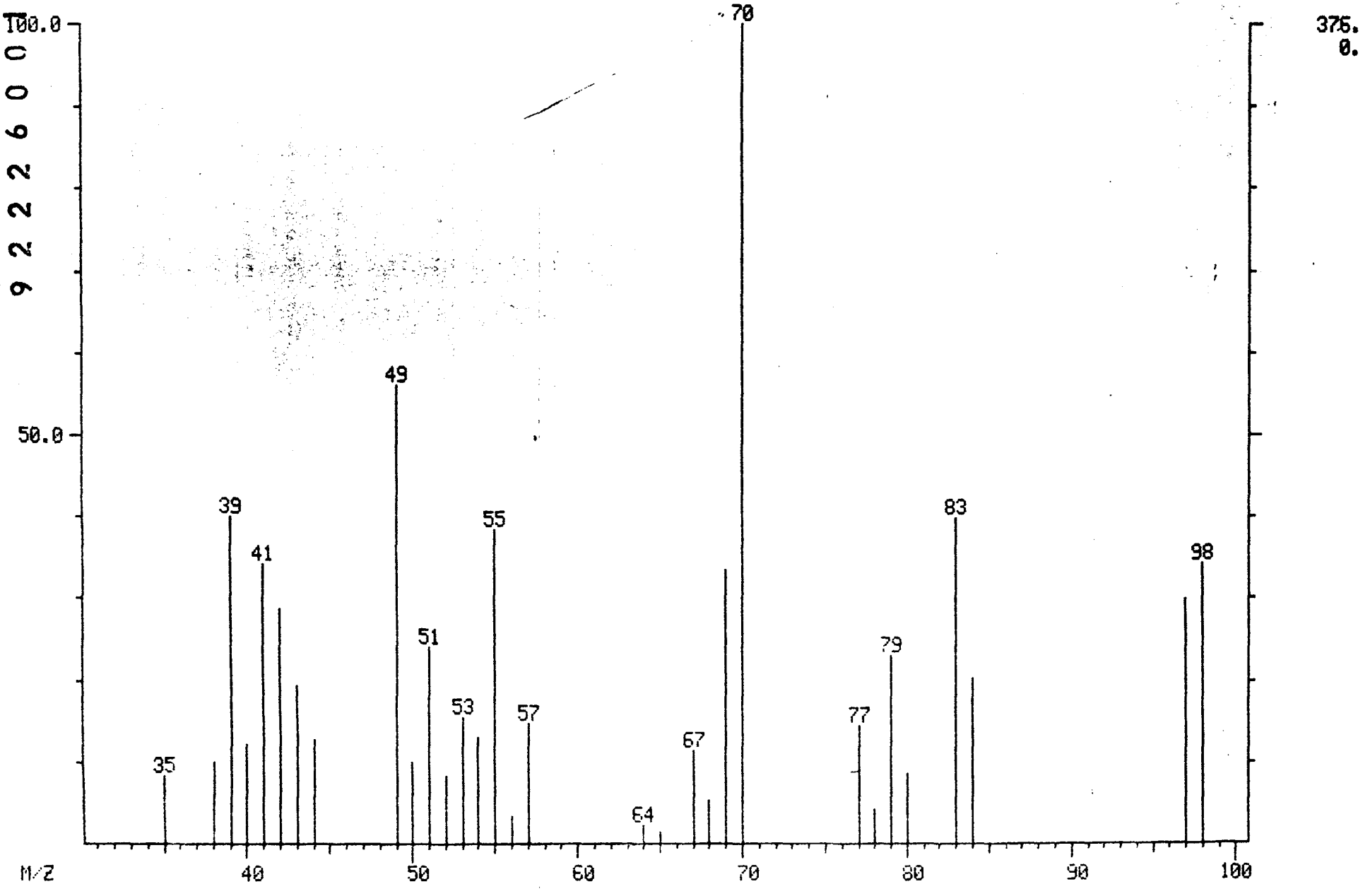
BASE M/Z: 41
RIC: 9504.



MASS SPECTRUM
04/02/91 16:36:00 + 9:12
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 92 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #928
CALI: APR02VG02 #3

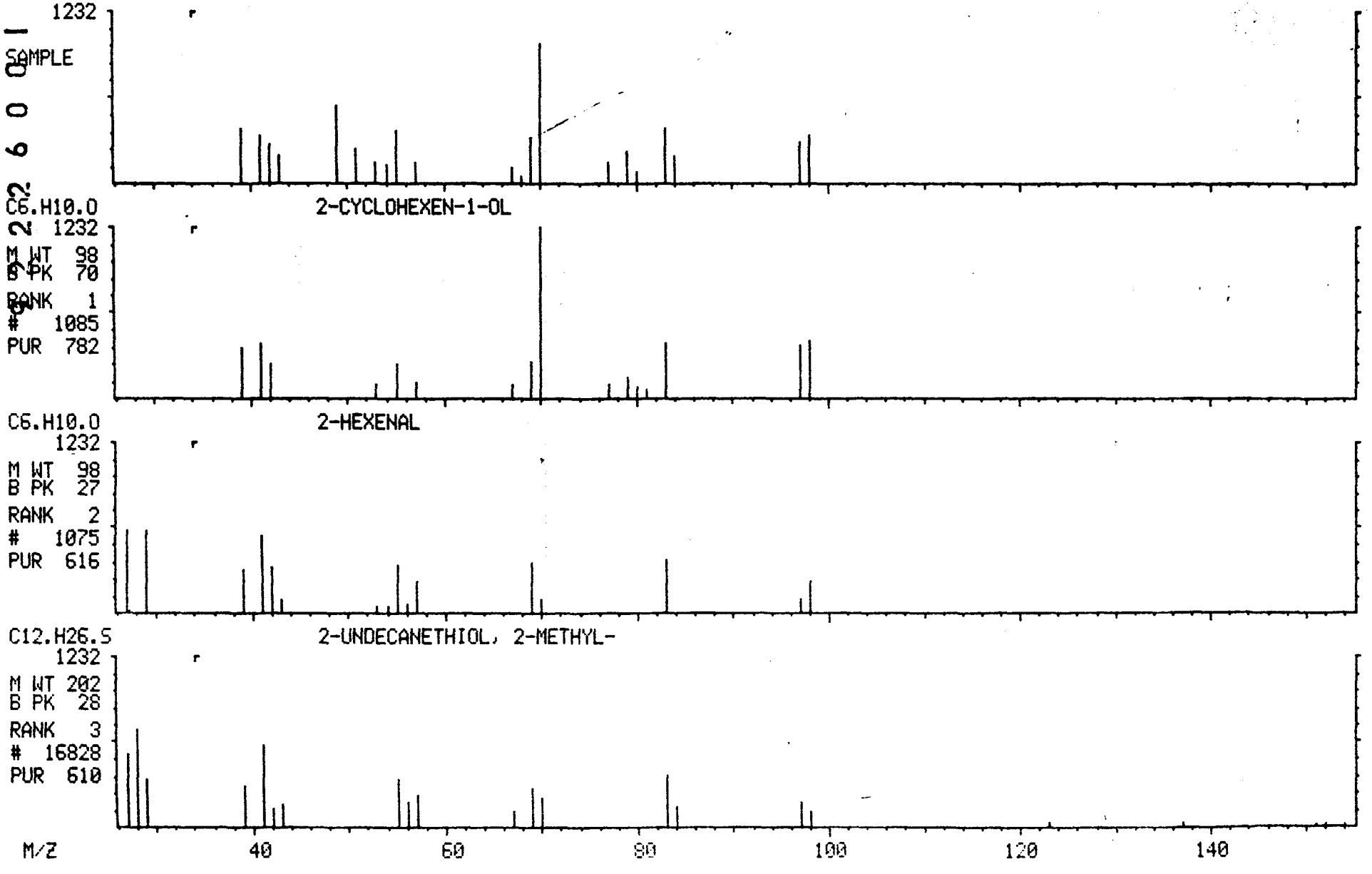
BASE M/Z: 70
RIC: 2548.



9222250017355
9222600355
001178

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 9:12
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

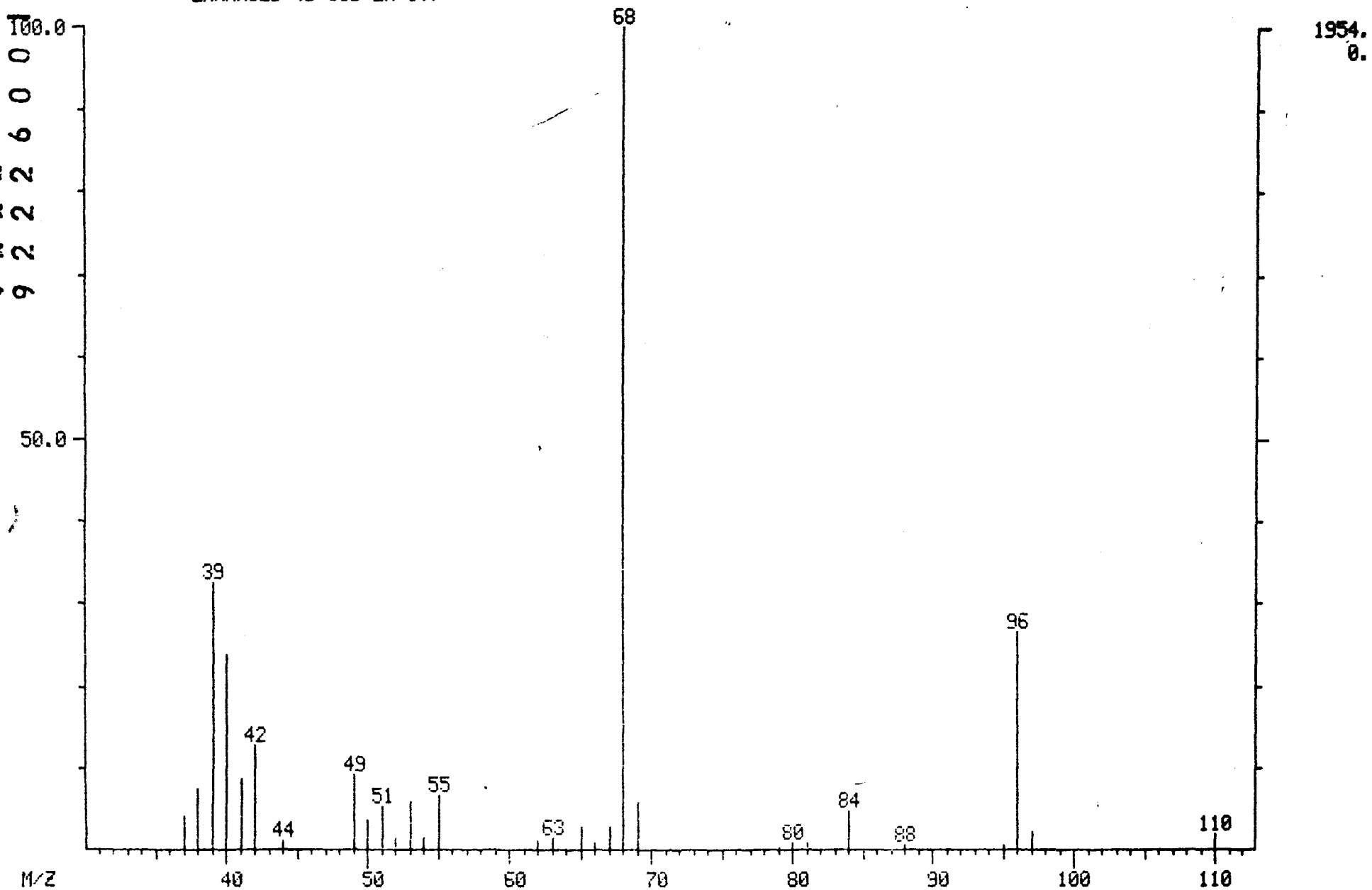
DATA: APR02VG02 # 928 BASE M/Z: 70
CALI: APR02VG02 # 3 RIC: 2272.



MASS SPECTRUM
04/02/91 16:36:00 + 10:11
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 102 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1027
CALI: APR02VG02 #3

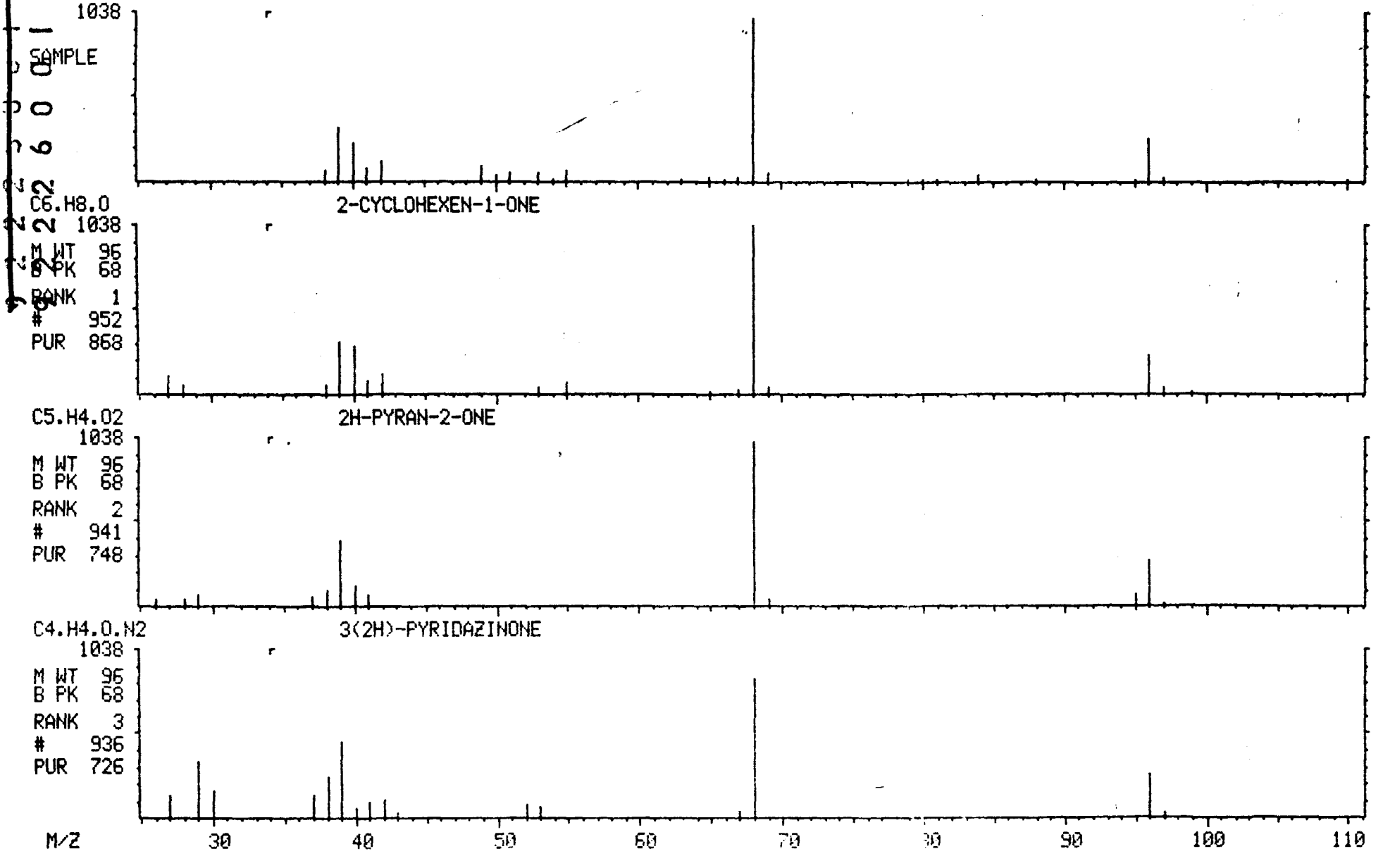
BASE M/Z: 68
RIC: 5408.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 10:11
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1027
CALI: APR02VG02 # 3

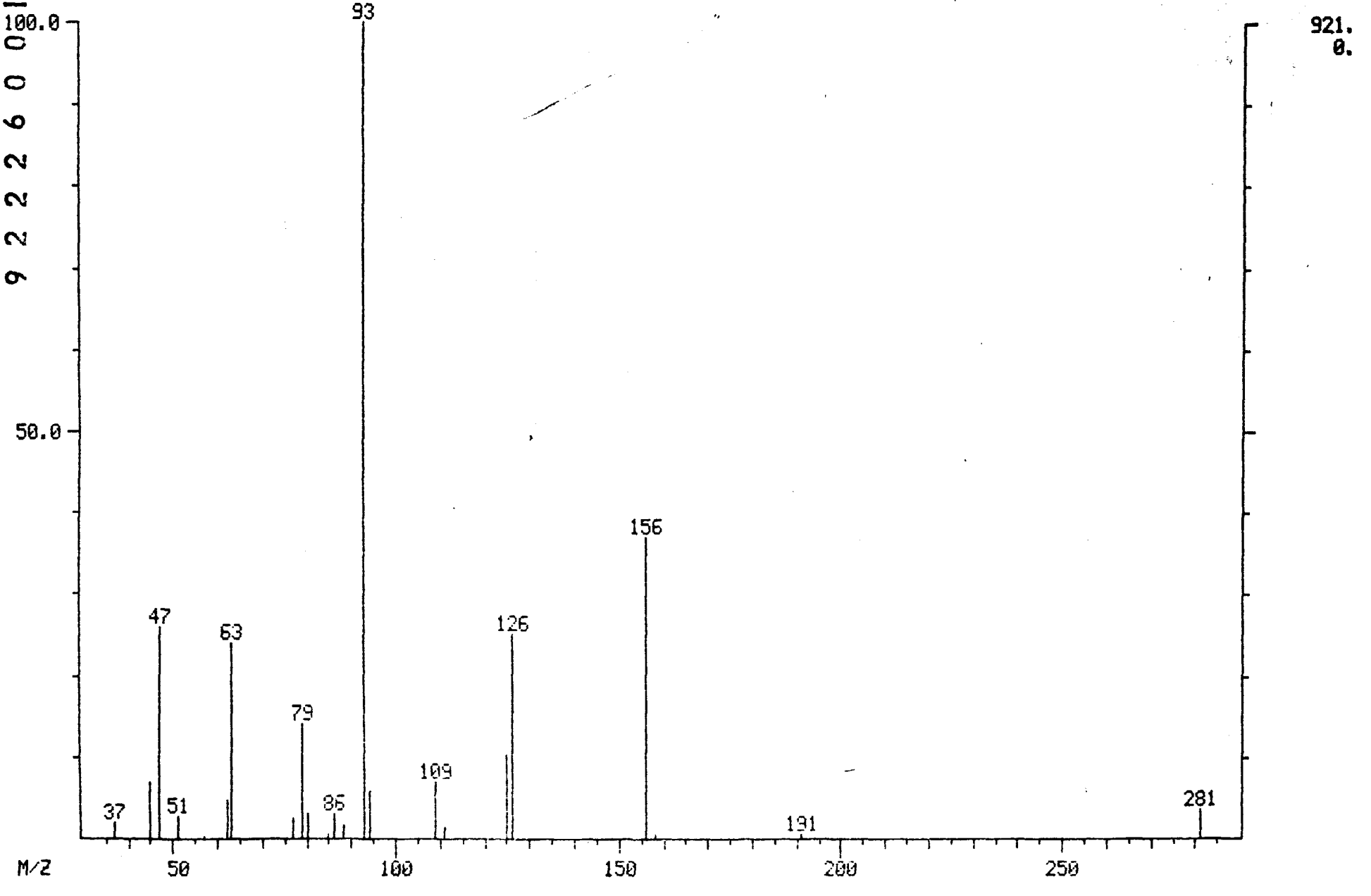
BASE M/Z: 68
RIC: 5264.



MASS SPECTRUM
04/02/91 16:36:00 + 11:10
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 112 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1126
CALI: APR02VG02 #3

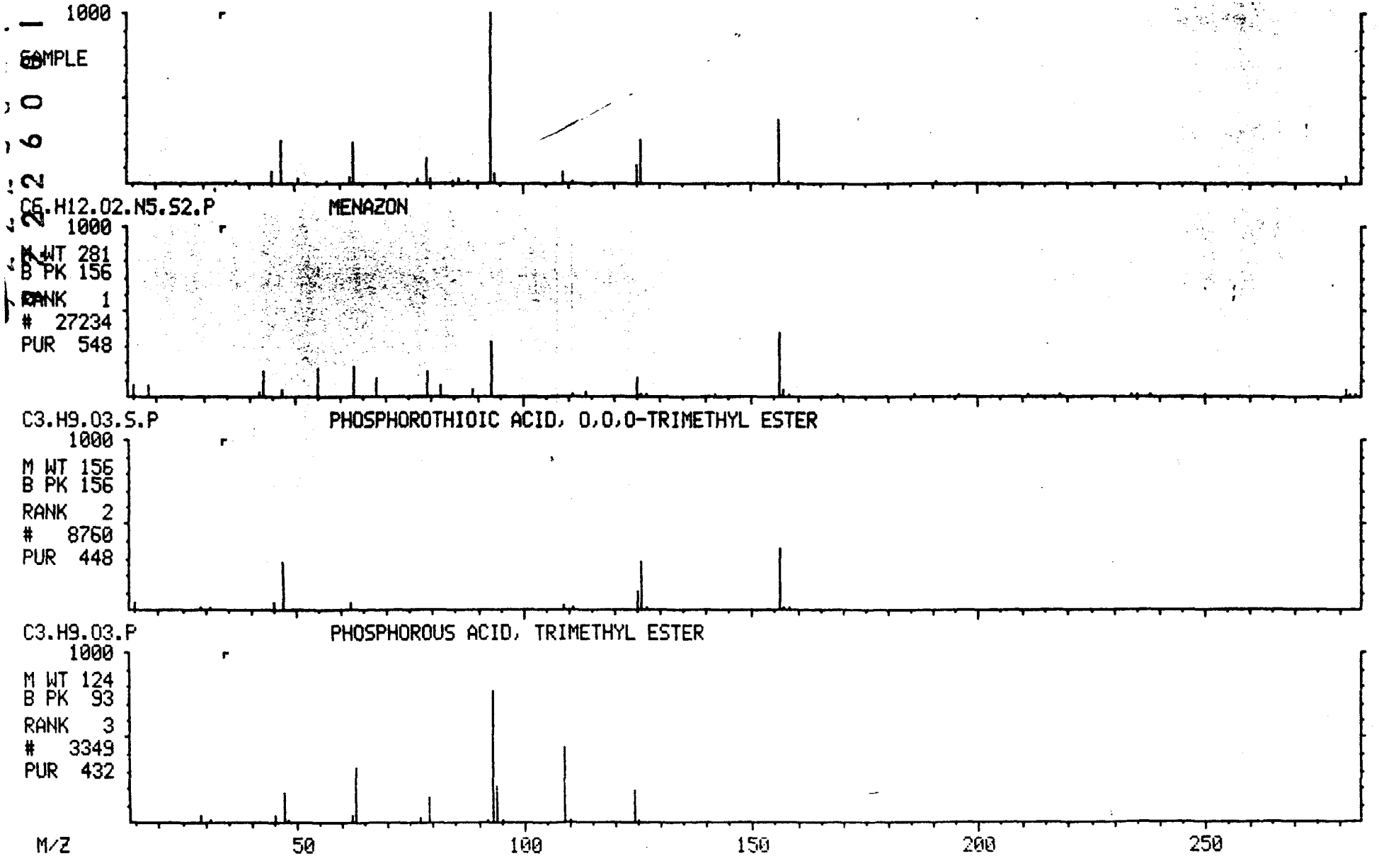
BASE M/Z: 93
RIC: 2612.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 11:10
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1126
CALI: APR02VG02 # 3

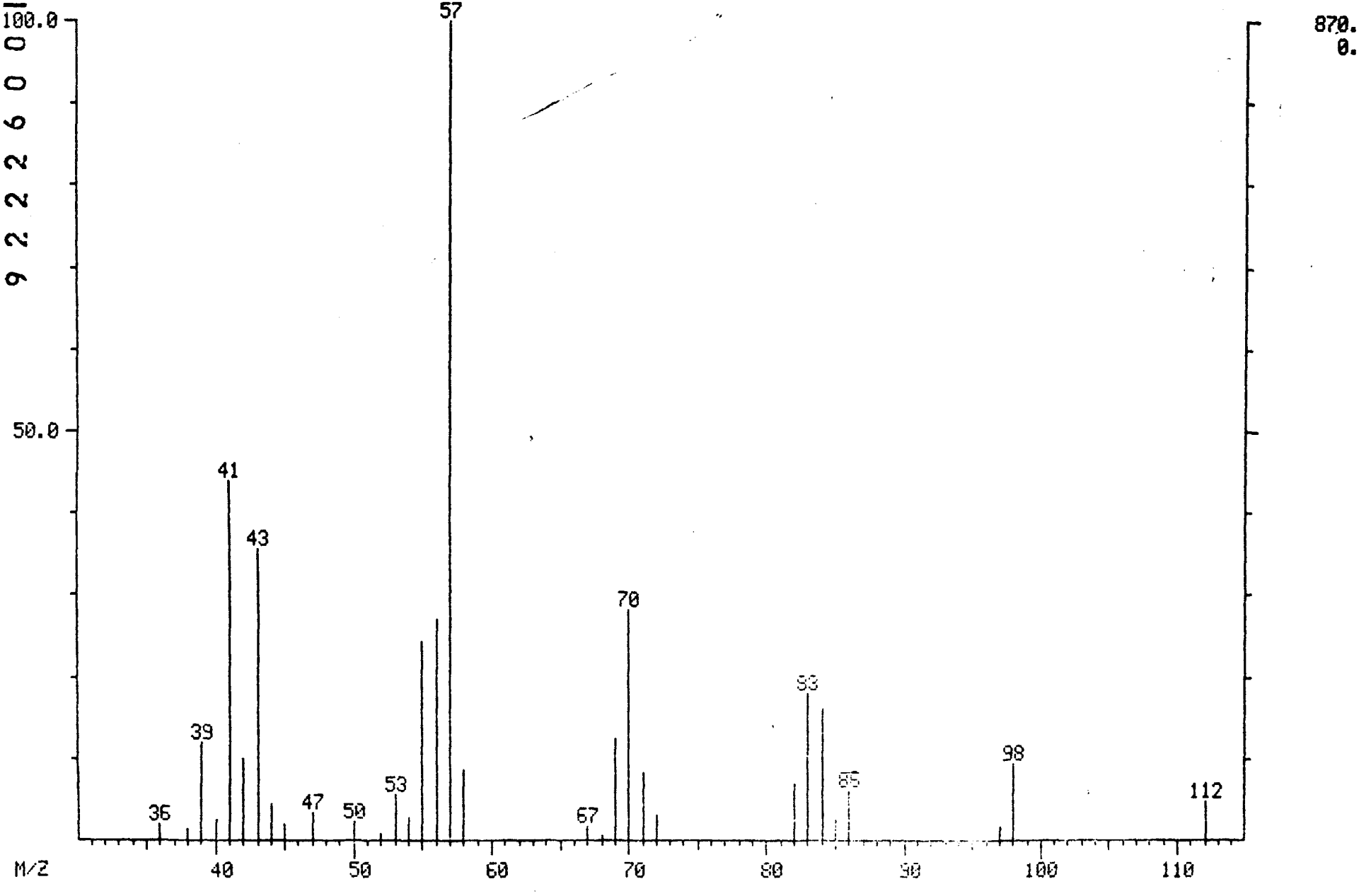
BASE M/Z: 93
RIC: 2612.



MASS SPECTRUM
04/02/91 16:36:00 + 12:03
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 120 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1215
CALI: APR02VG02 #3

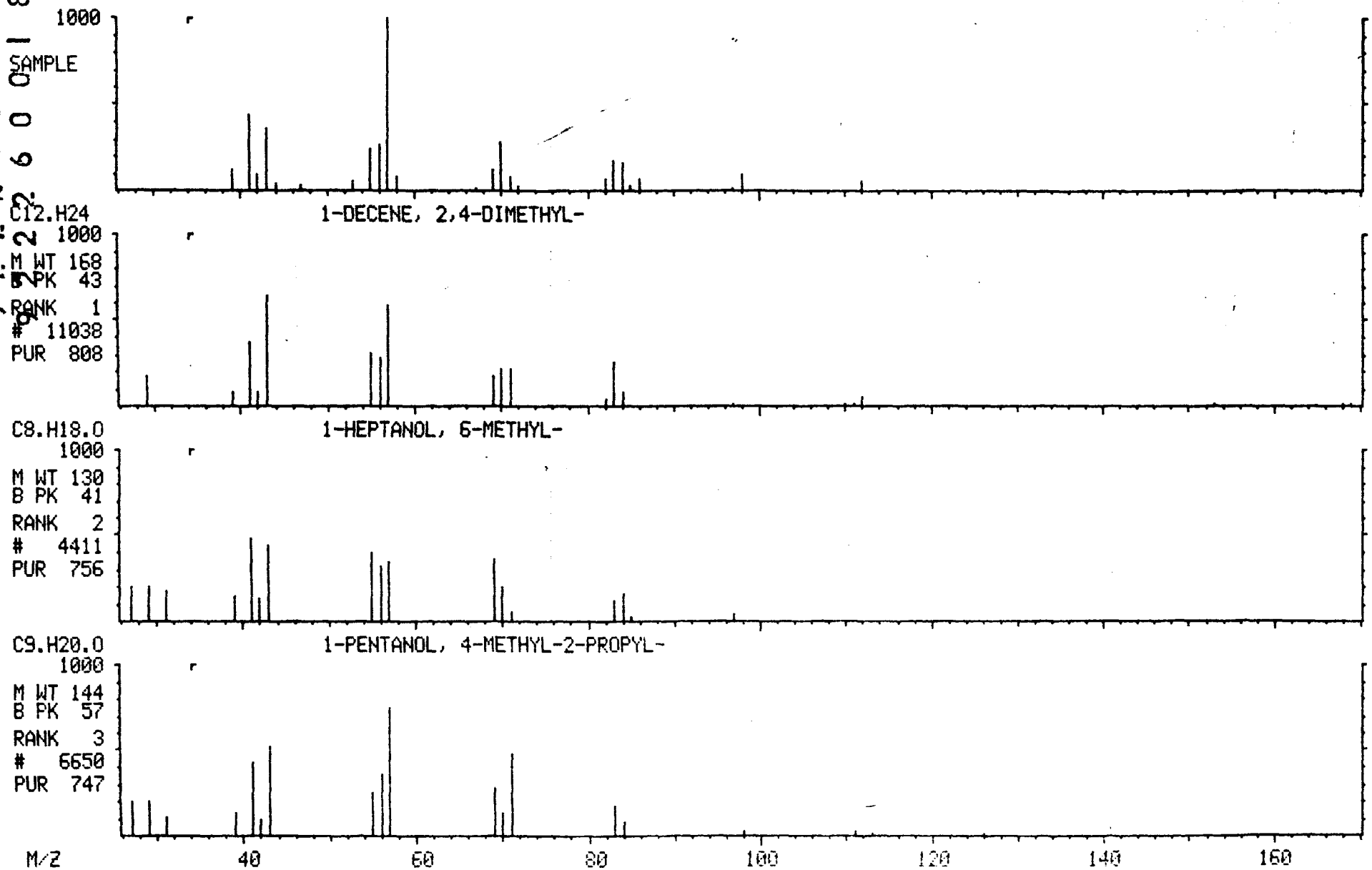
BASE M/Z: 57
RIC: 3560.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 12:03
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1215
CALI: APR02VG02 # 3

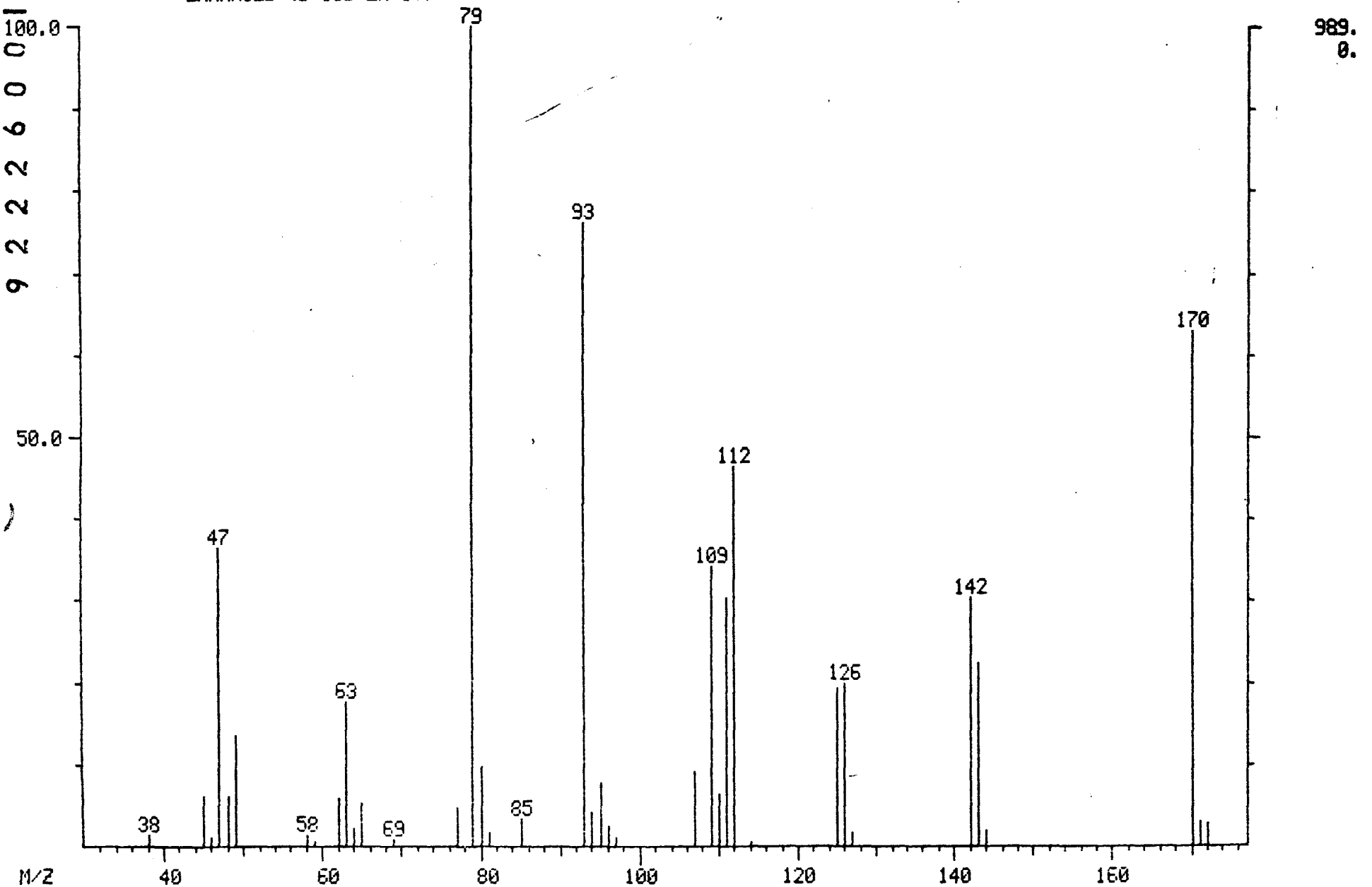
BASE M/Z: 57
RIC: 3436.



MASS SPECTRUM
04/02/91 16:36:00 + 12:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 124 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1251
CALI: APR02VG02 #3

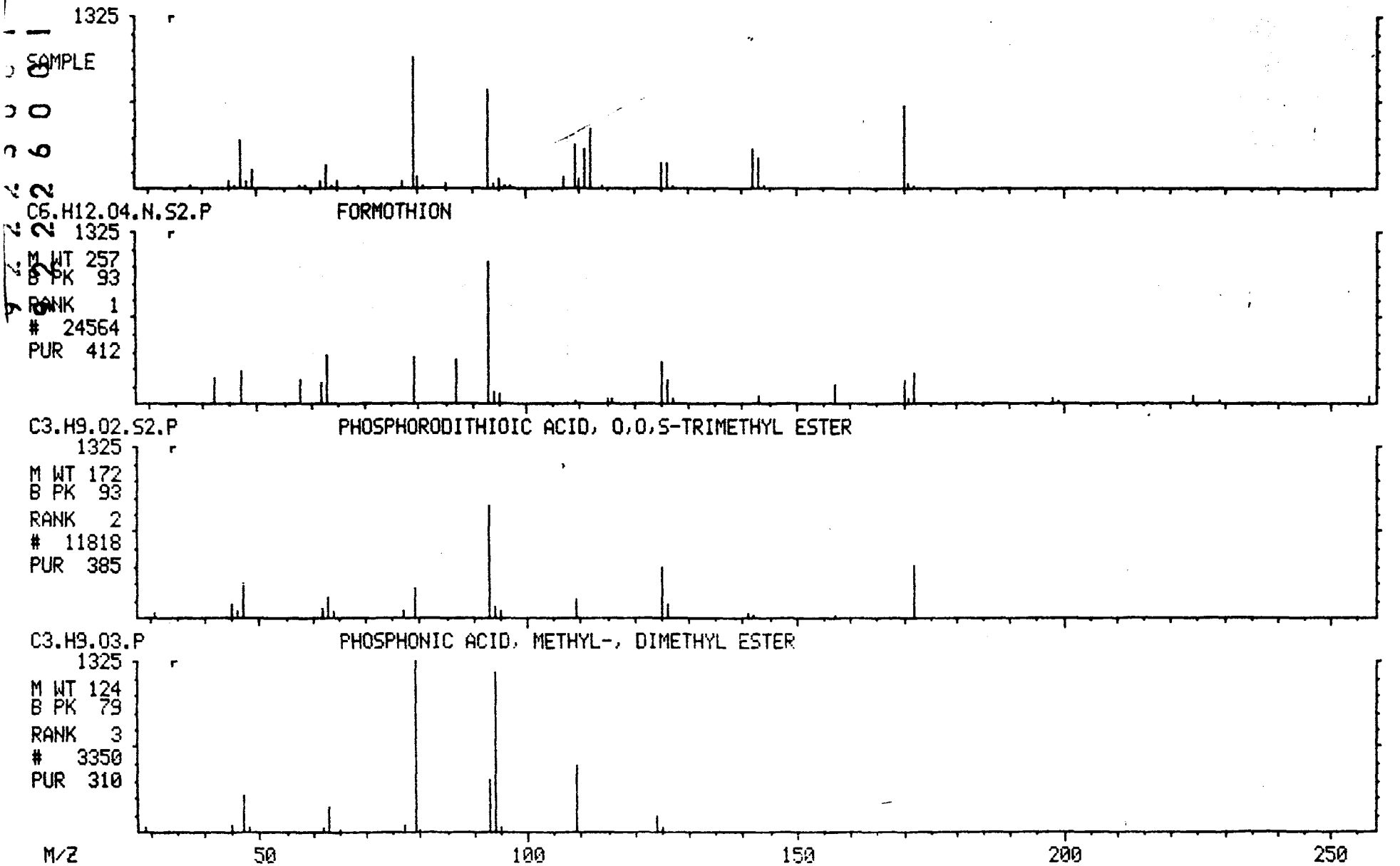
BASE M/Z: 79
RIC: 5960.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 12:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1251
CALI: APR02VG02 # 3

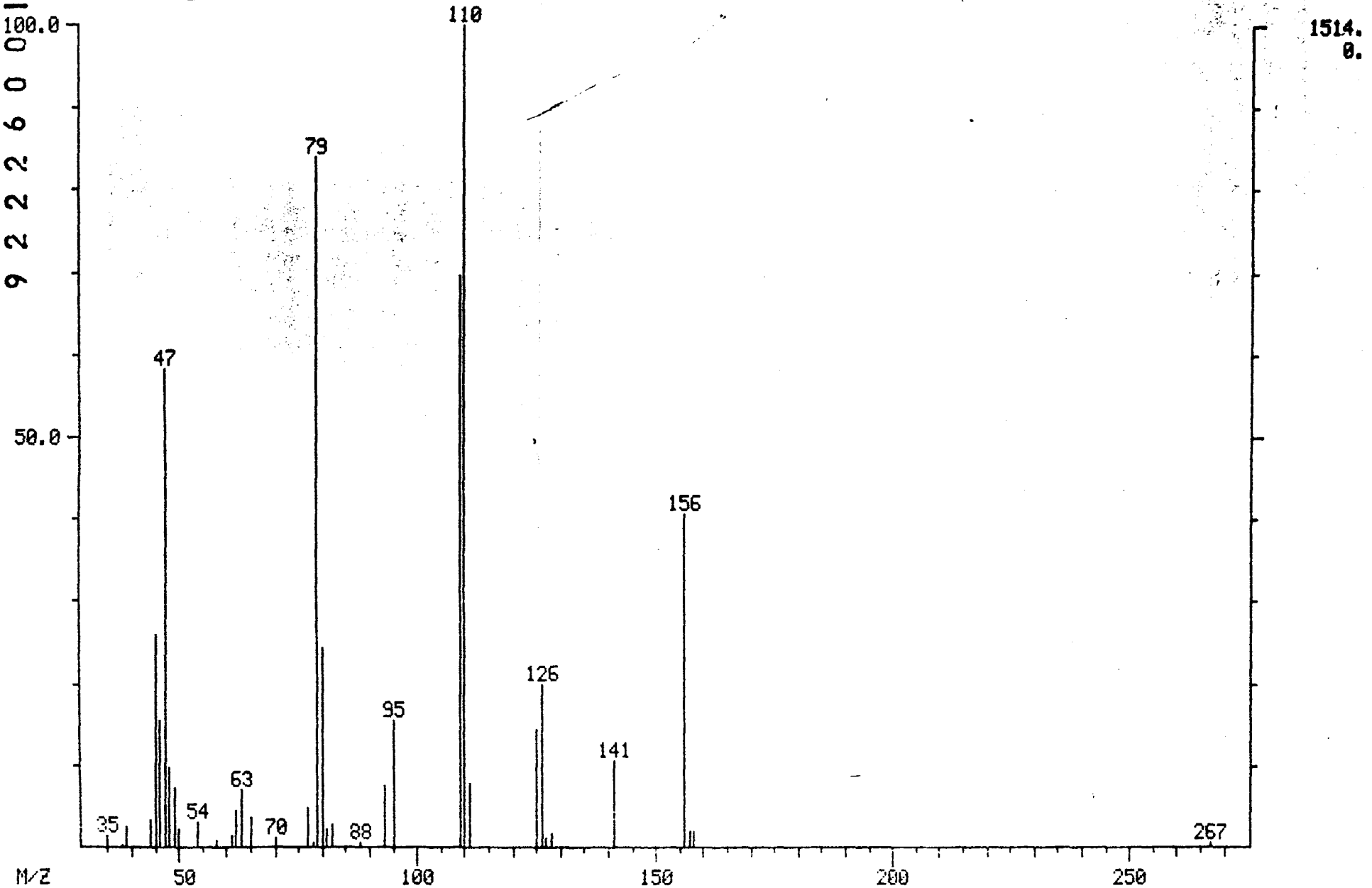
BASE M/Z: 79
RIC: 5960.



MASS SPECTRUM
04/02/91 16:36:00 + 13:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 134 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1352
CALI: APR02VG02 #3

BASE M/Z: 110
RIC: 8480.



9222600013965
001158

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 13:24
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1352
CALI: APR02VG02 # 3

BASE M/Z: 110
RIC: 8448.

001159

1336
SAMPLE

C3.H9.03.S.P PHOSPHOROTHIOIC ACID, O,O,S-TRIMETHYL ESTER
1336
M WT 156
B PK 110
RANK 1
8761
PUR 917

C6.H15.03.S2.P DEMETON-O-METHYL
1336
M WT 230
B PK 110
RANK 2
21190
PUR 820

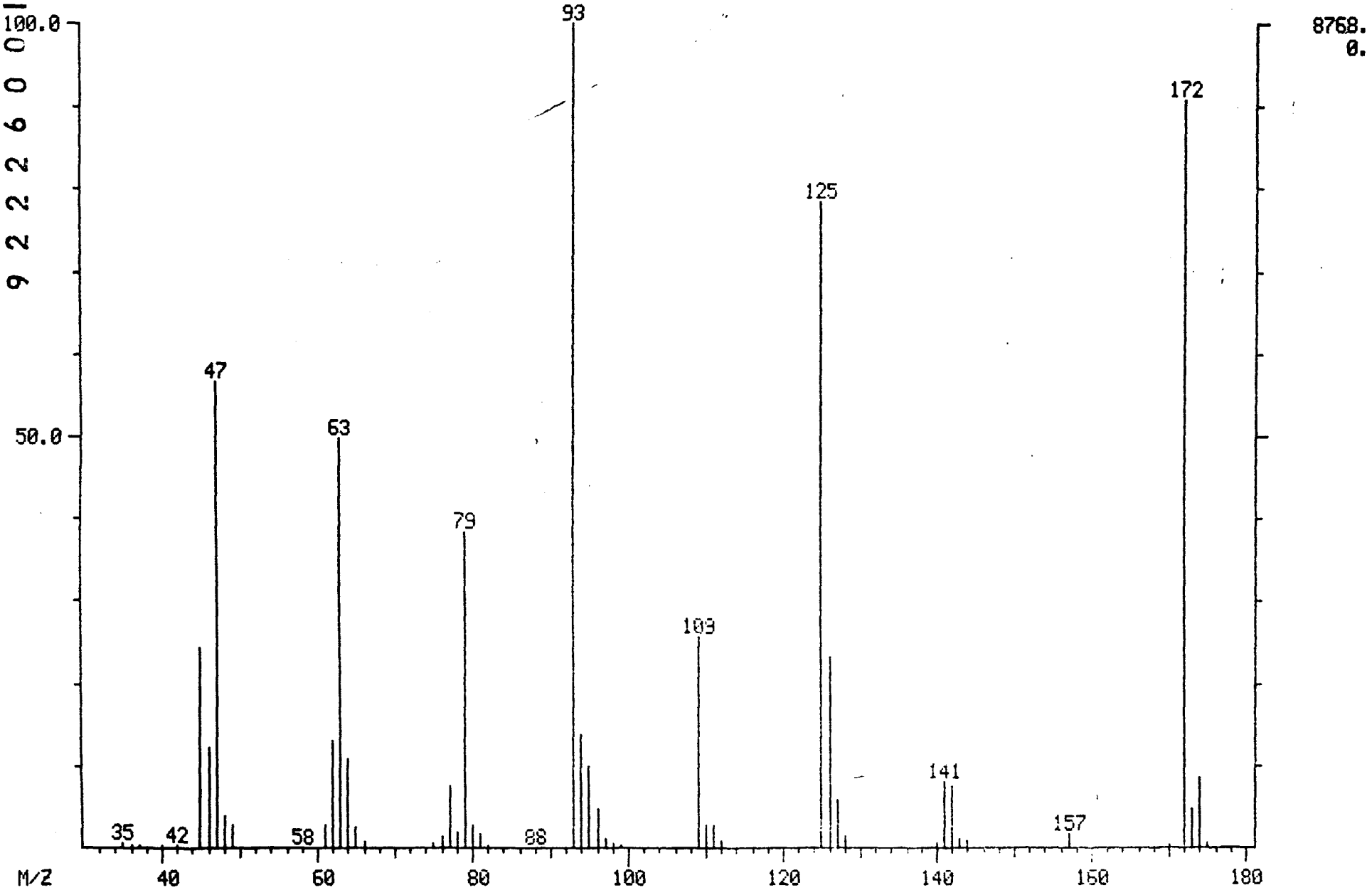
C5.H12.04.N.S.P OMETHOATE
1336
M WT 213
B PK 110
RANK 3
18670
PUR 678

M/Z 50 100 150 200 250

MASS SPECTRUM
04/02/91 16:36:00 + 14:44
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 148 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1486
CALI: APR02VG02 #3

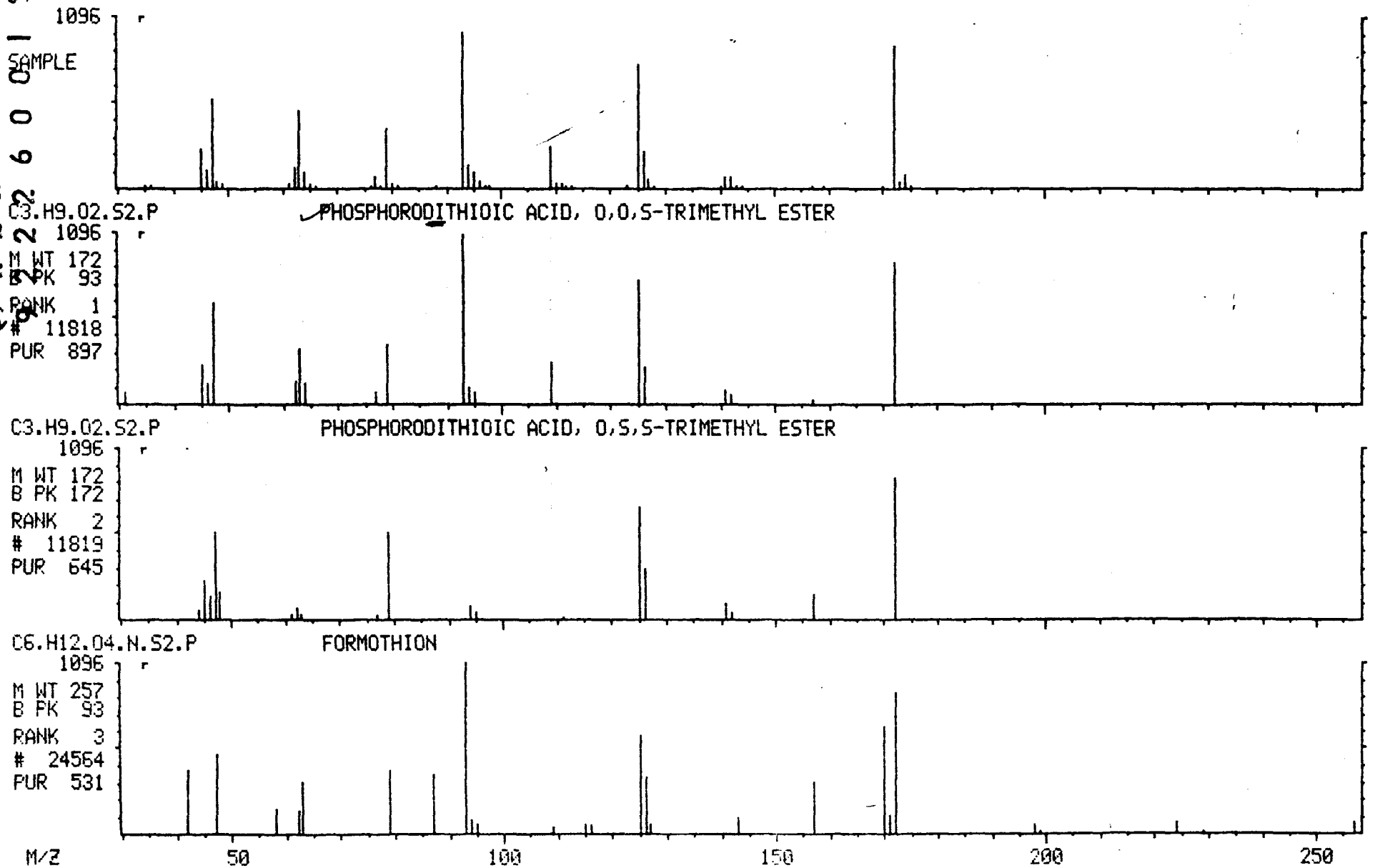
BASE M/Z: 93
RIC: 55488.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 14:44
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1486
CALI: APR02VG02 # 3

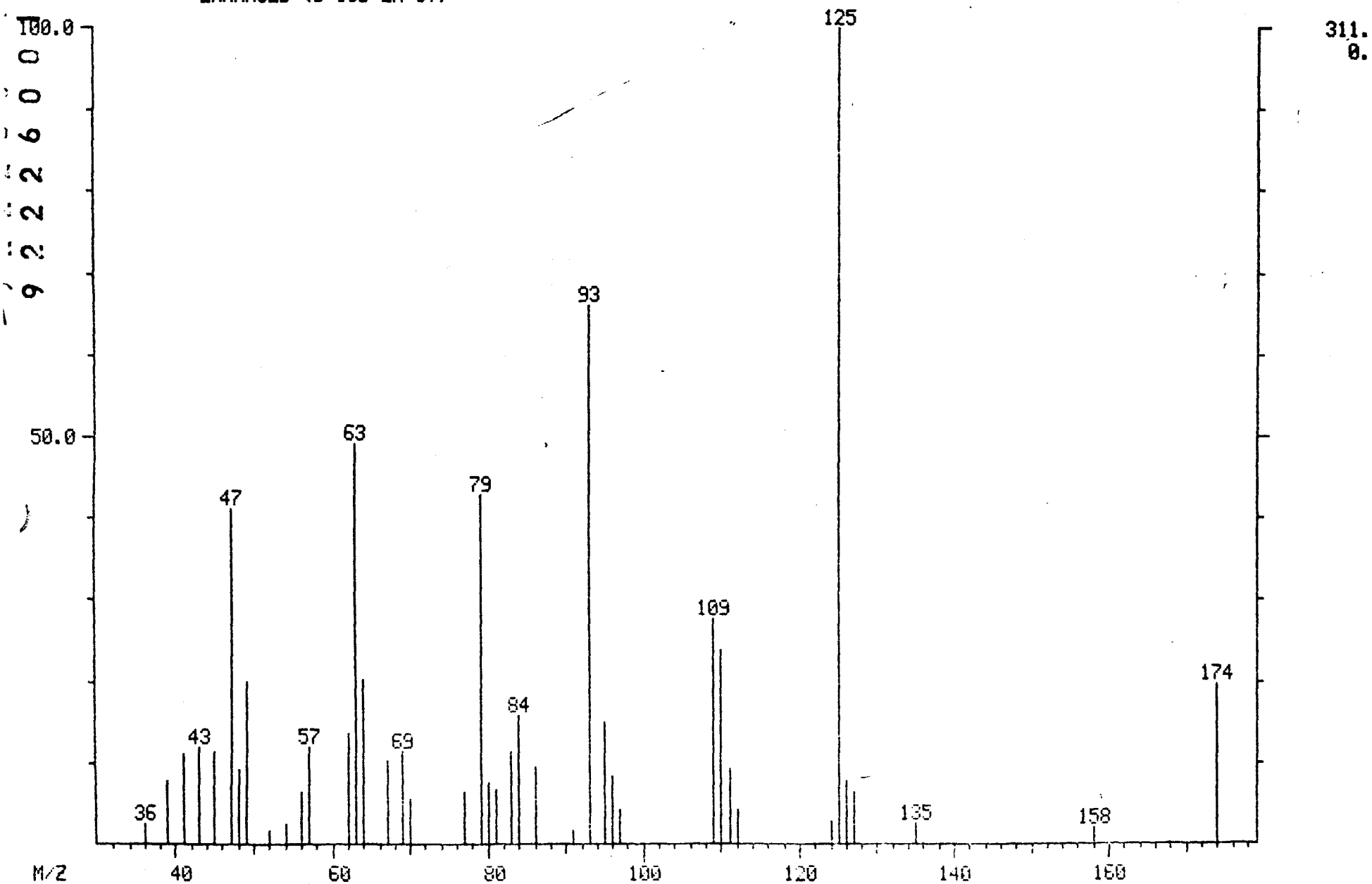
BASE M/Z: 93
RIC: 55296.



MASS SPECTRUM
04/02/91 16:36:00 + 16:28
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 165 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1662
CALI: APR02VG02 #3

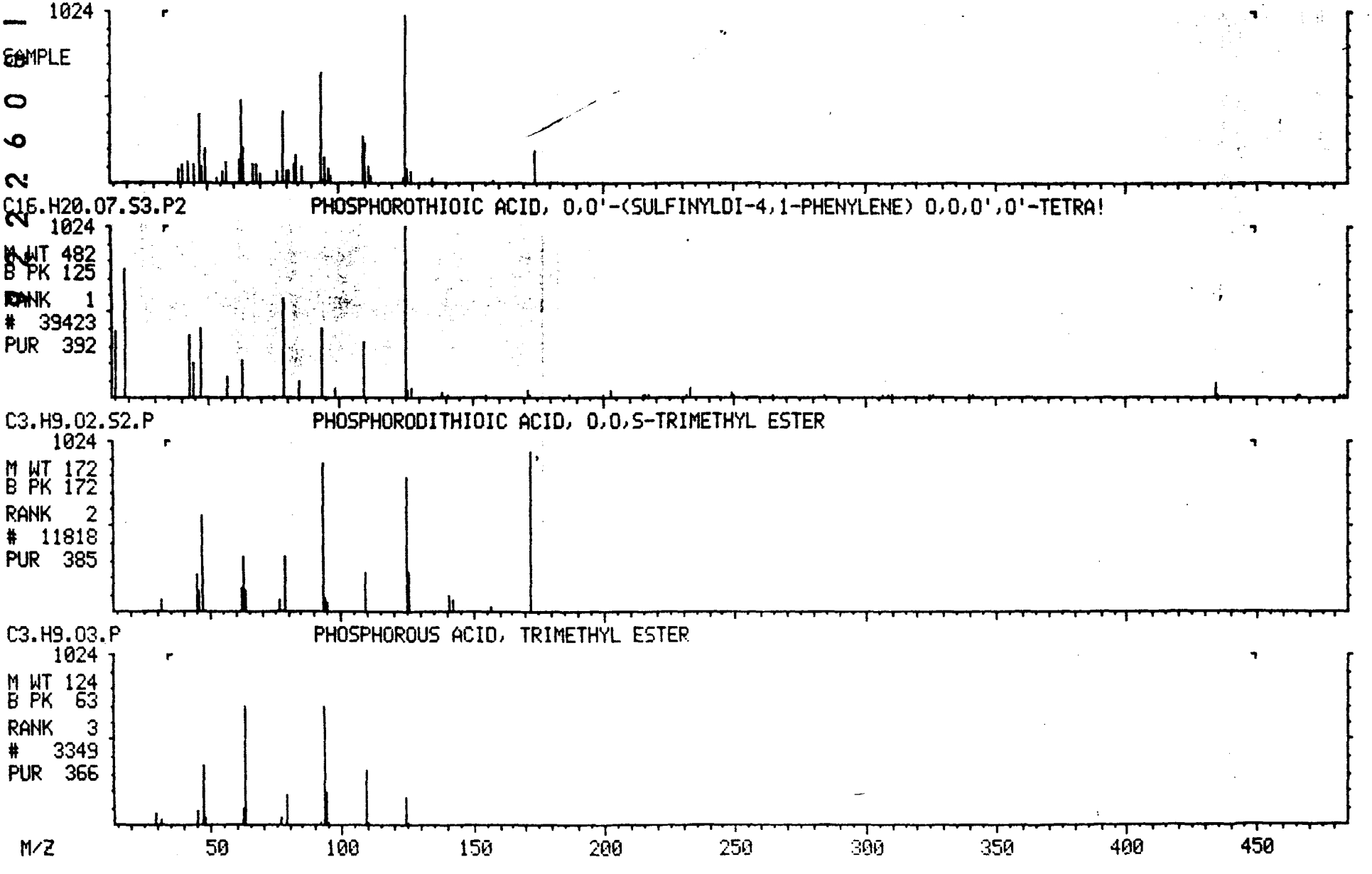
BASE M/Z: 125
RIC: 2022.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 16:28
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1662
CALI: APR02VG02 # 3

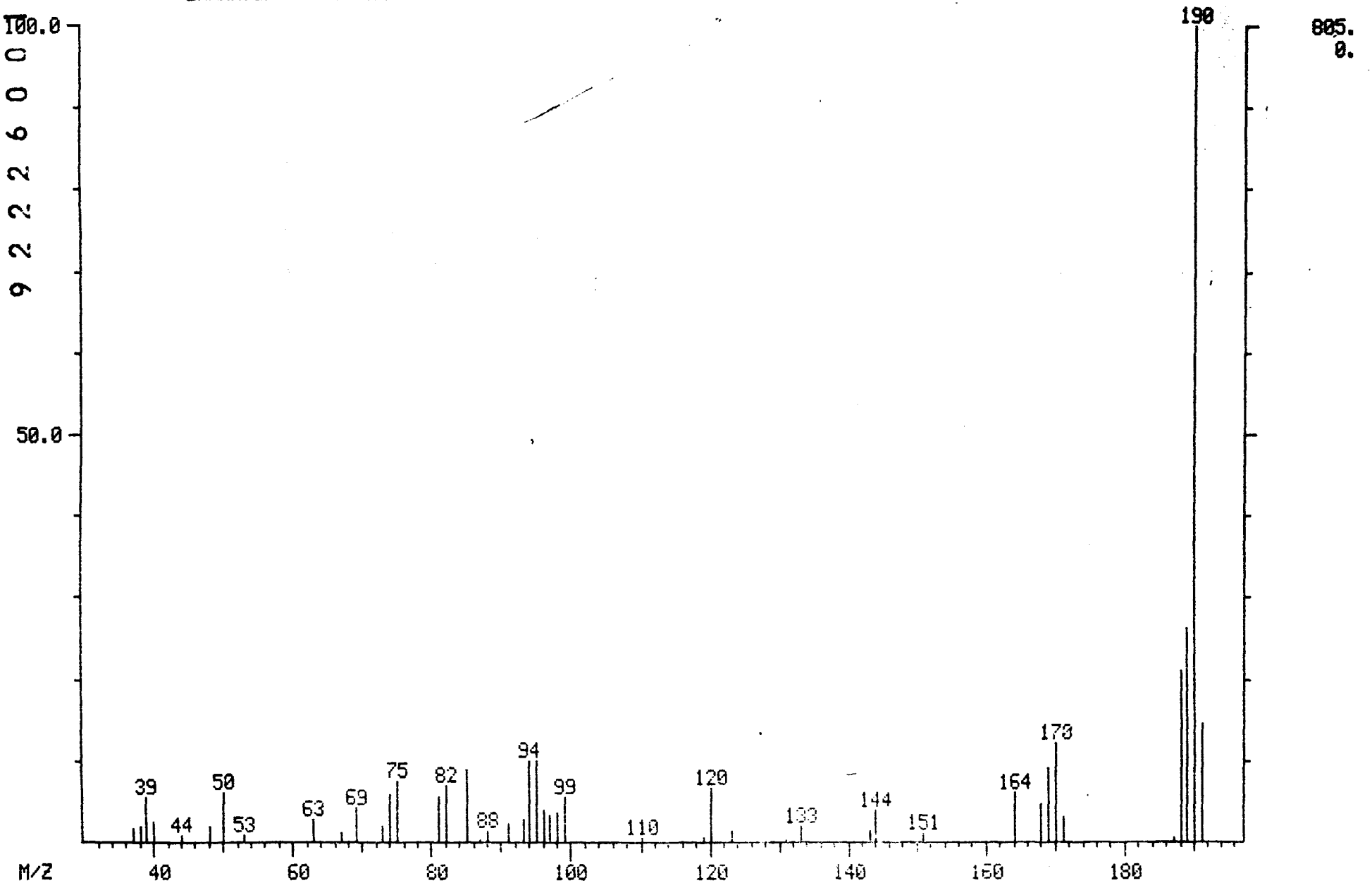
BASE M/Z: 125
RIC: 2002.



MASS SPECTRUM
04/02/91 16:36:00 + 17:43
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 178 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1787
CALI: APR02VG02 #3

BASE M/Z: 190
RIC: 2612.

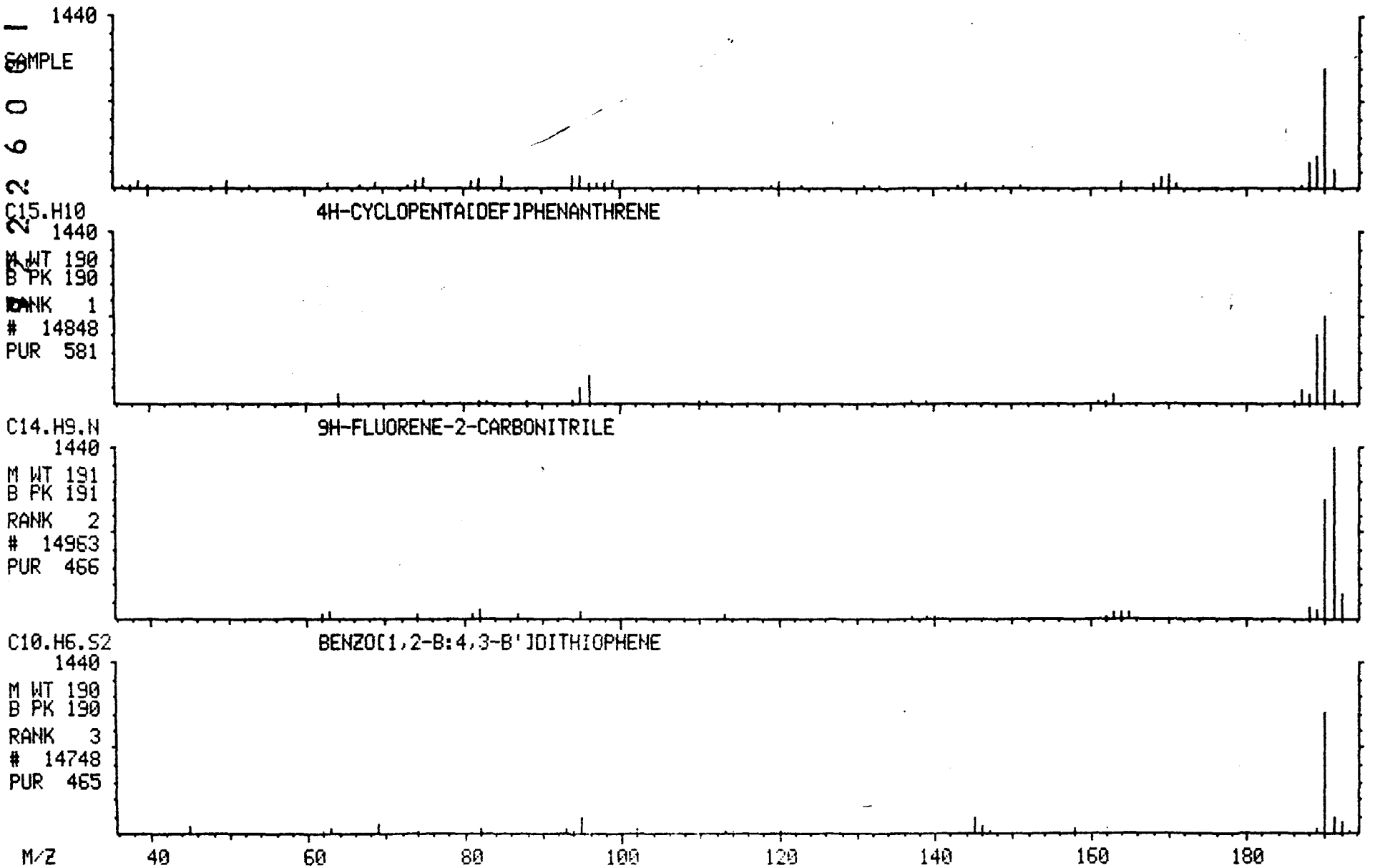


92226000871
001194

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 17:43
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1787
CALI: APR02VG02 # 3

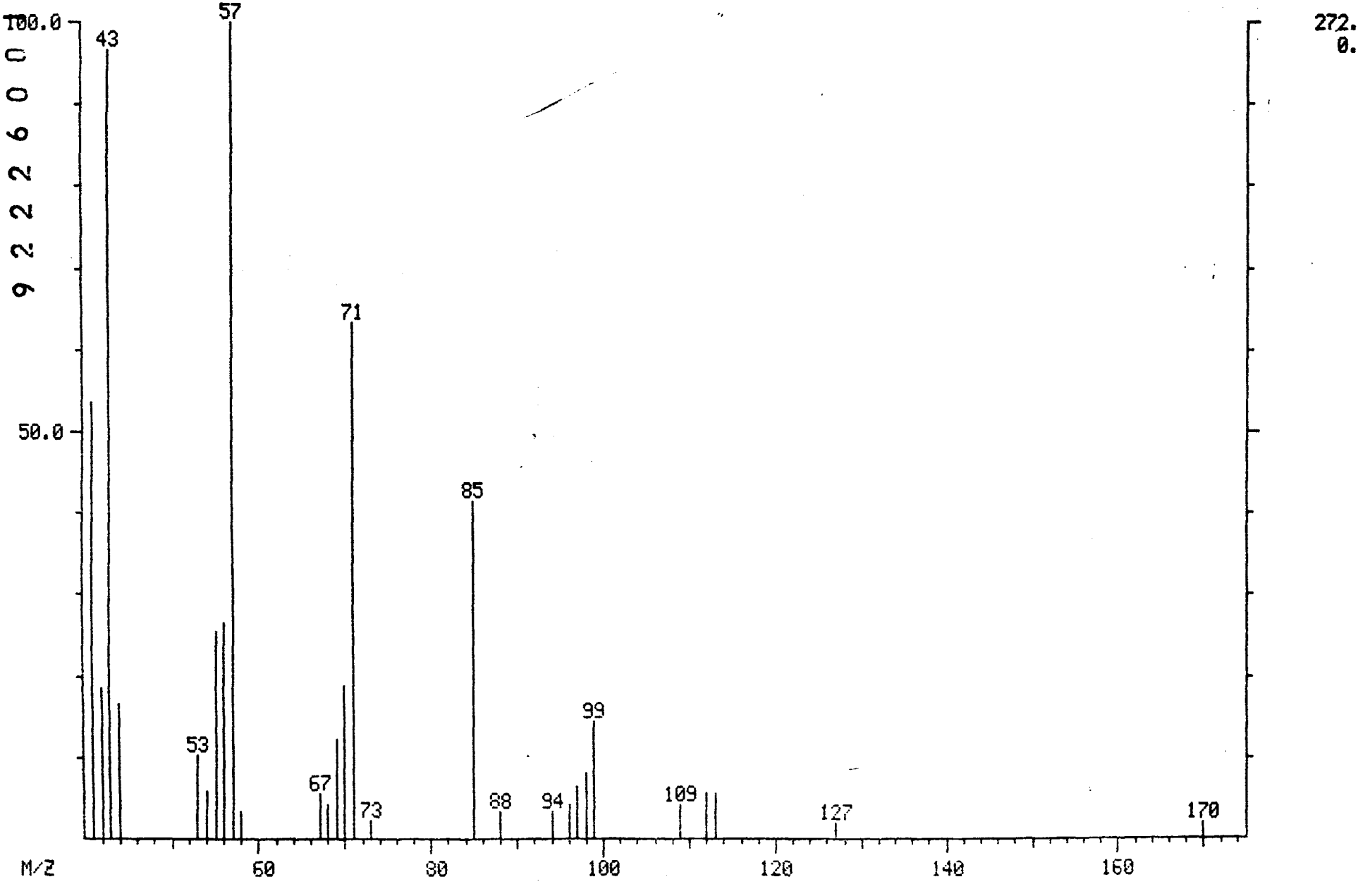
BASE M/Z: 190
RIC: 2548.



MASS SPECTRUM
04/02/91 16:36:00 + 18:00
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 181 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1816
CALI: APR02VG02 #3

BASE M/Z: 57
RIC: 1542.

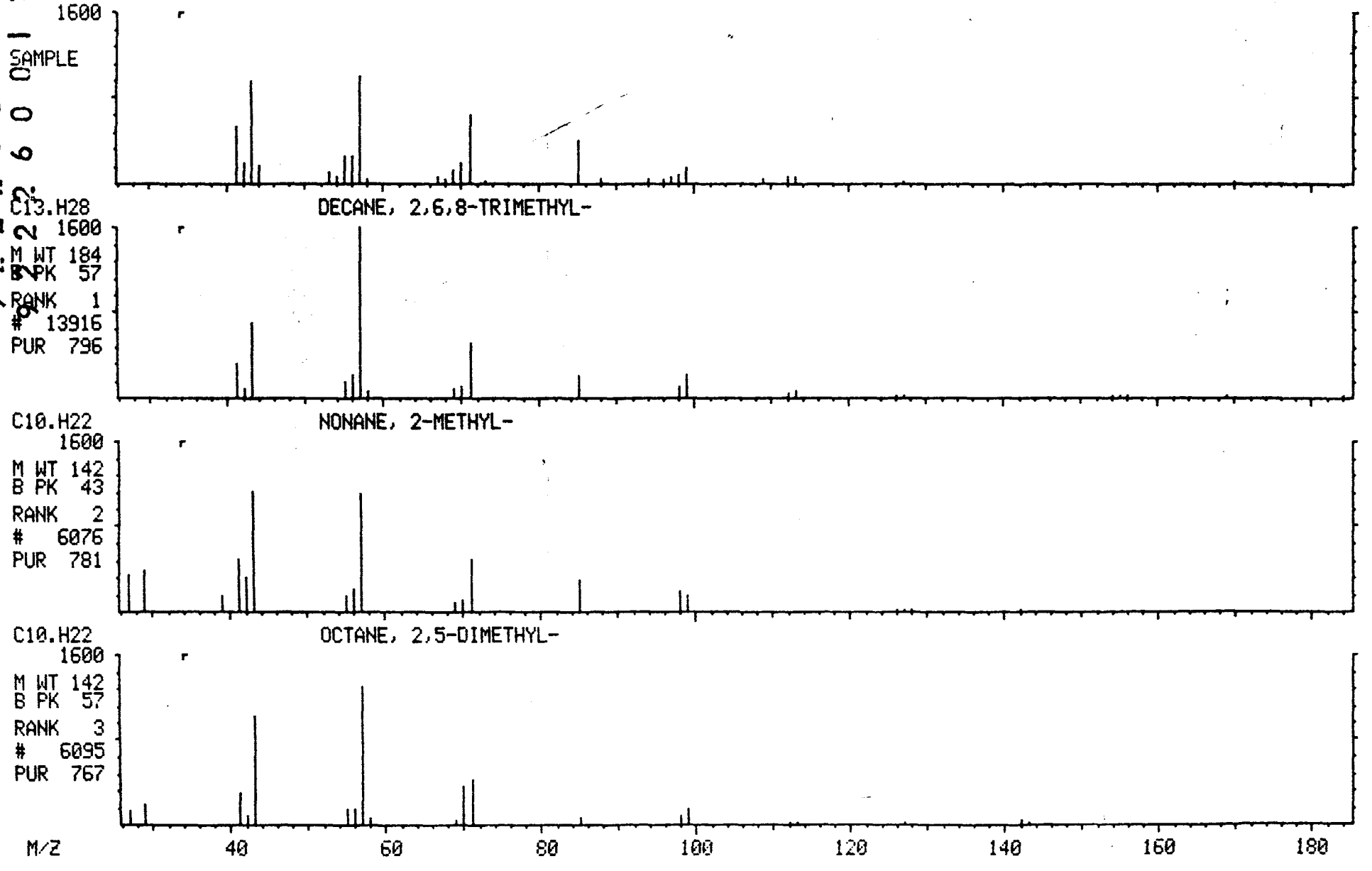


9222250013073
922260087
001196

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 18:00
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1816
CALI: APR02VG02 # 3

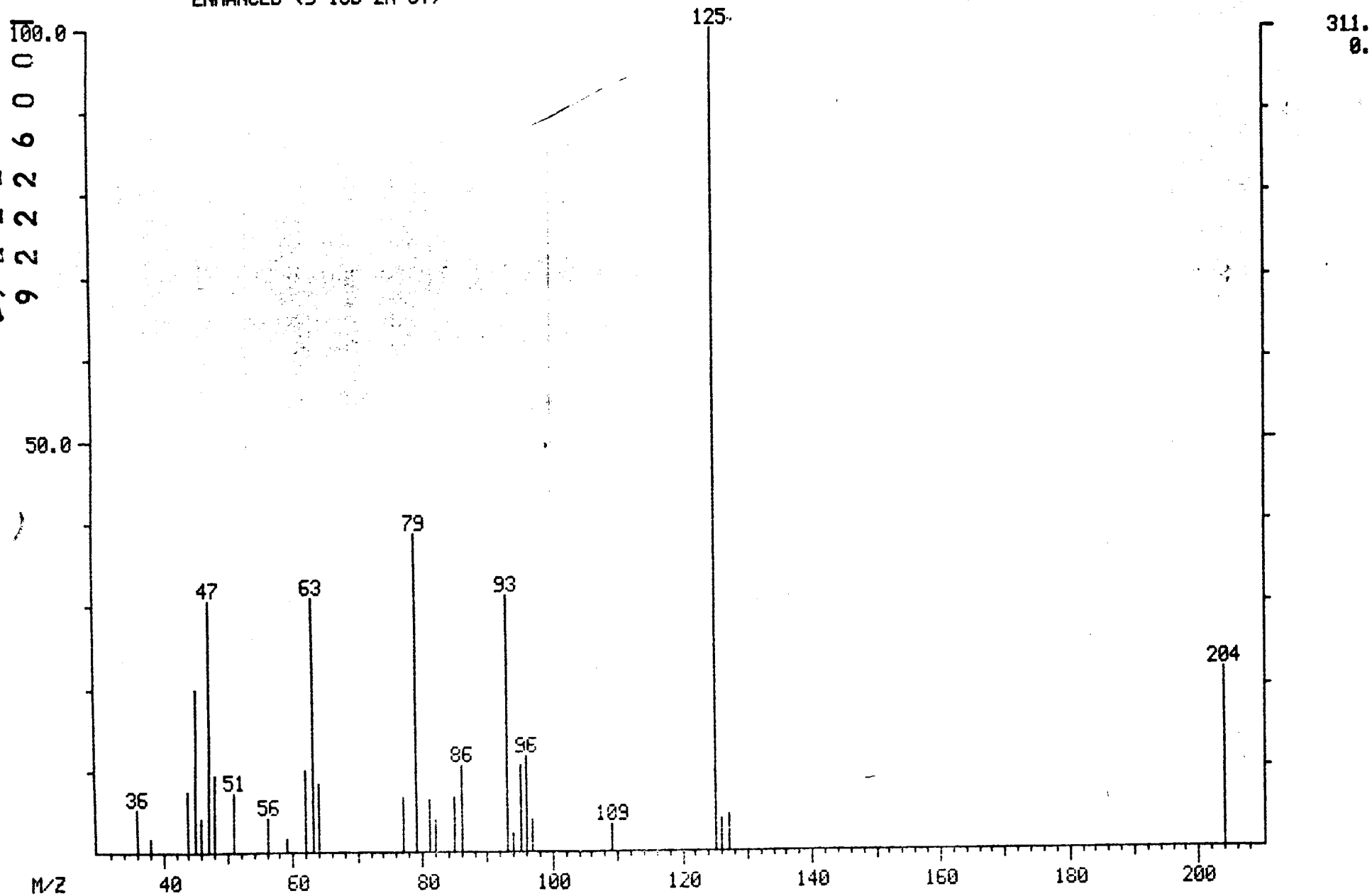
BASE M/Z: 57
RIC: 1542.



MASS SPECTRUM
04/02/91 16:36:00 + 18:11
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 183 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1835
CALI: APR02VG02 #3

BASE M/Z: 125
RIC: 1264.



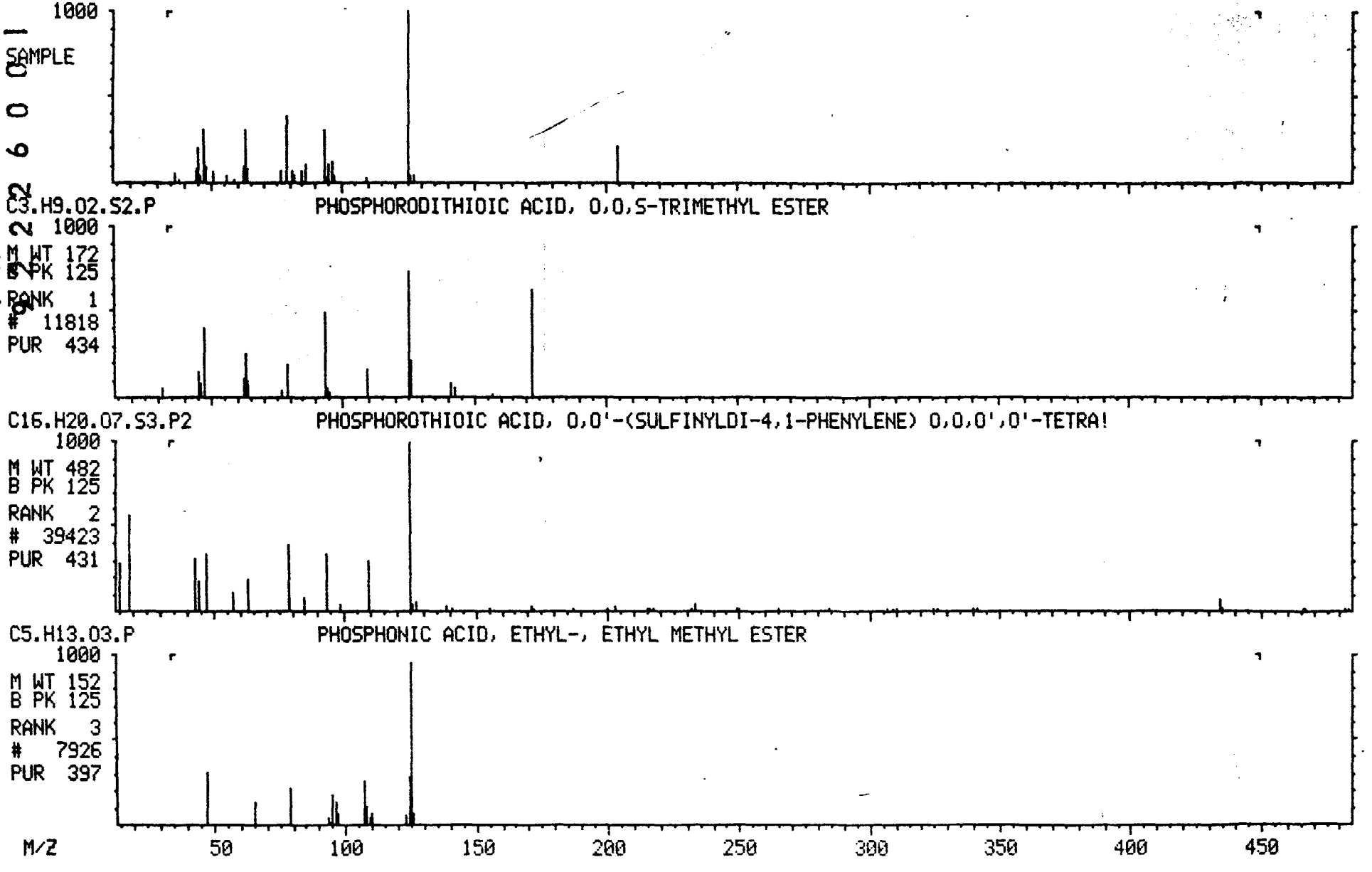
92226000875

00158

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 18:11
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1835
CALI: APR02VG02 # 3

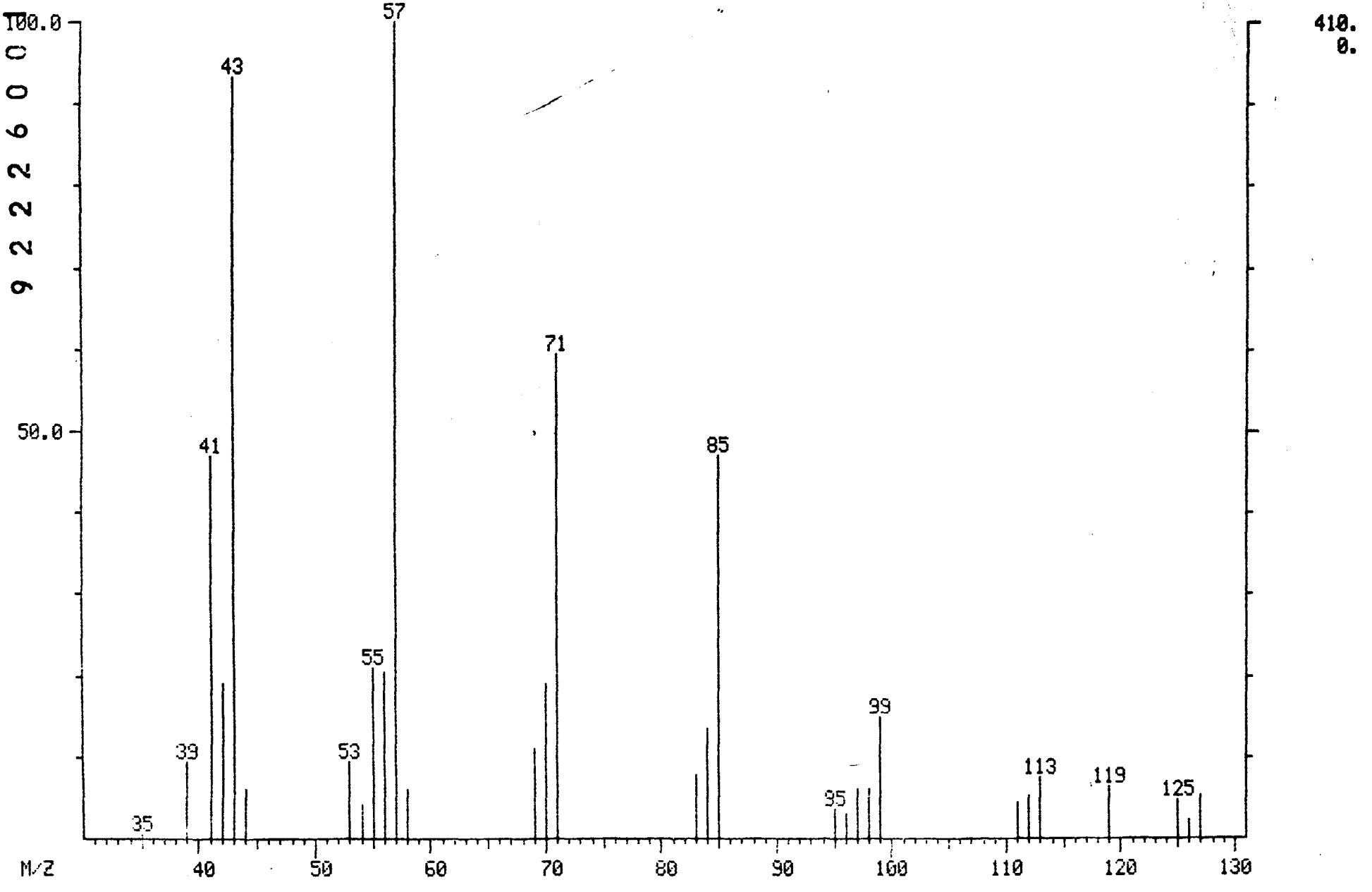
BASE M/Z: 125
RIC: 1264.



MASS SPECTRUM
04/02/91 16:36:00 + 19:22
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 195 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1954
CALI: APR02VG02 #3

BASE M/Z: 57
RIC: 2320.



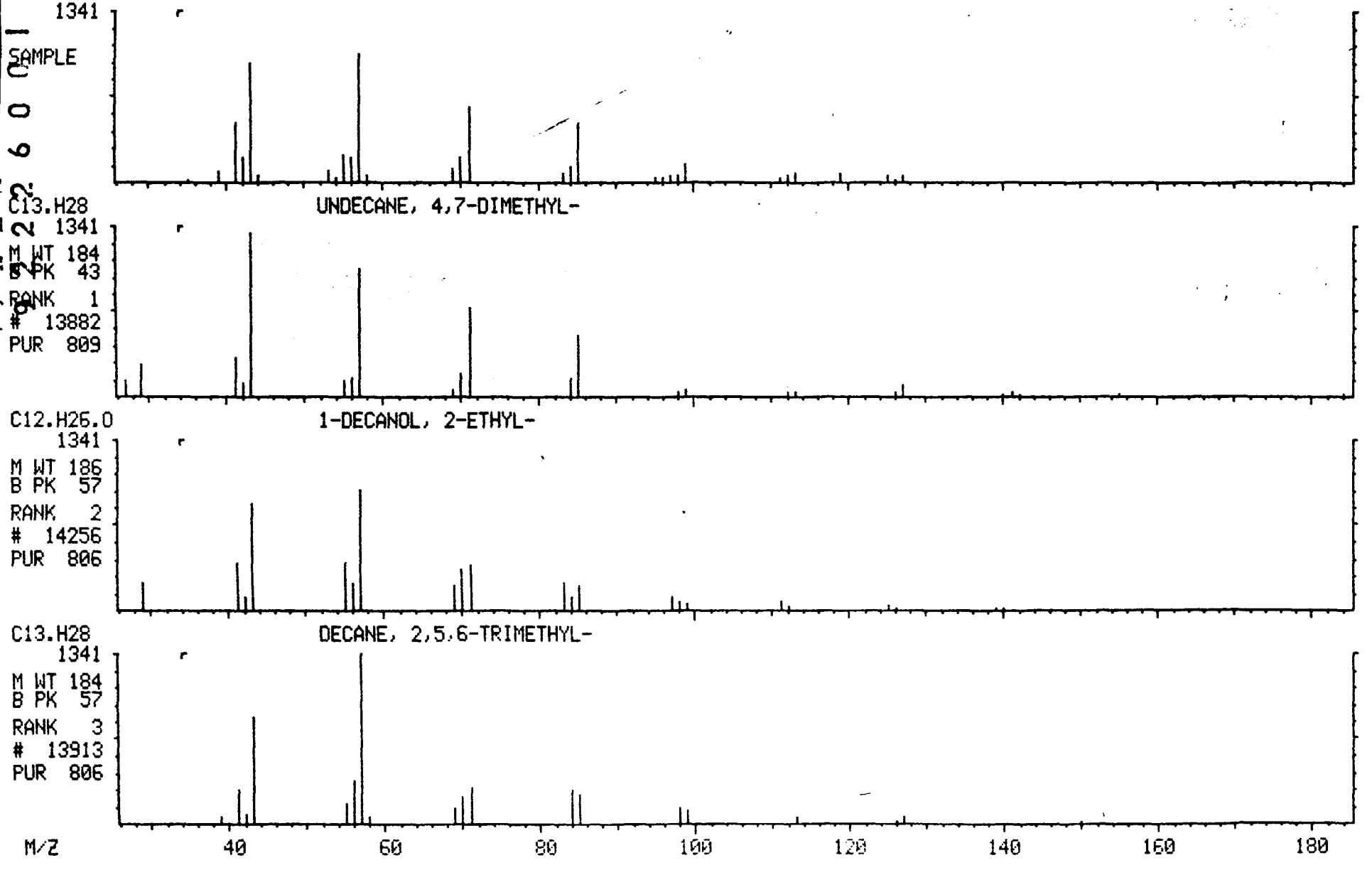
9222600877

001200

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 19:22
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #1954
CALI: APR02VG02 # 3

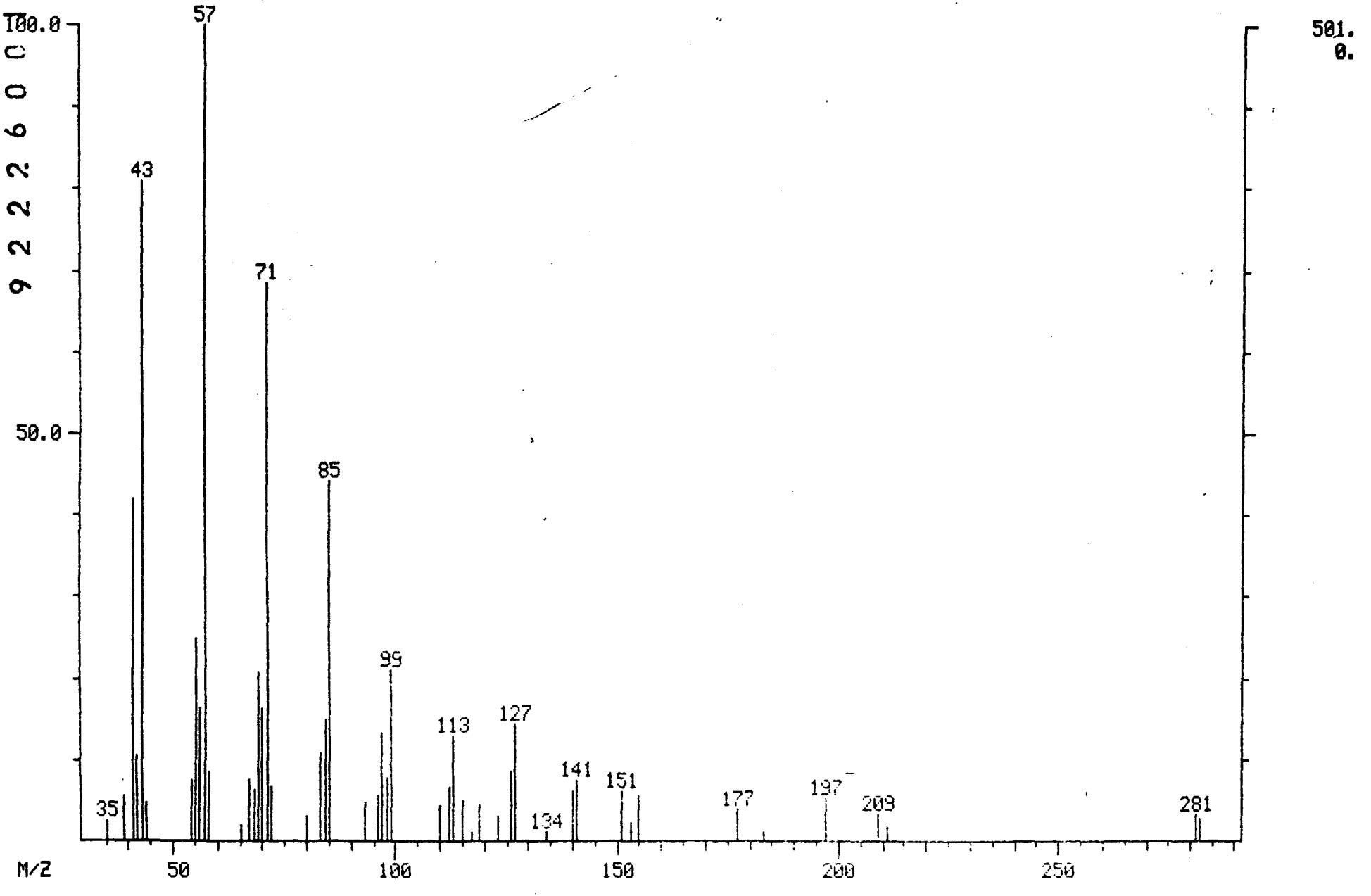
BASE M/Z: 57
RIC: 2320.



MASS SPECTRUM
04/02/91 16:36:00 + 25:12
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 254 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2542
CALI: APR02VG02 #3

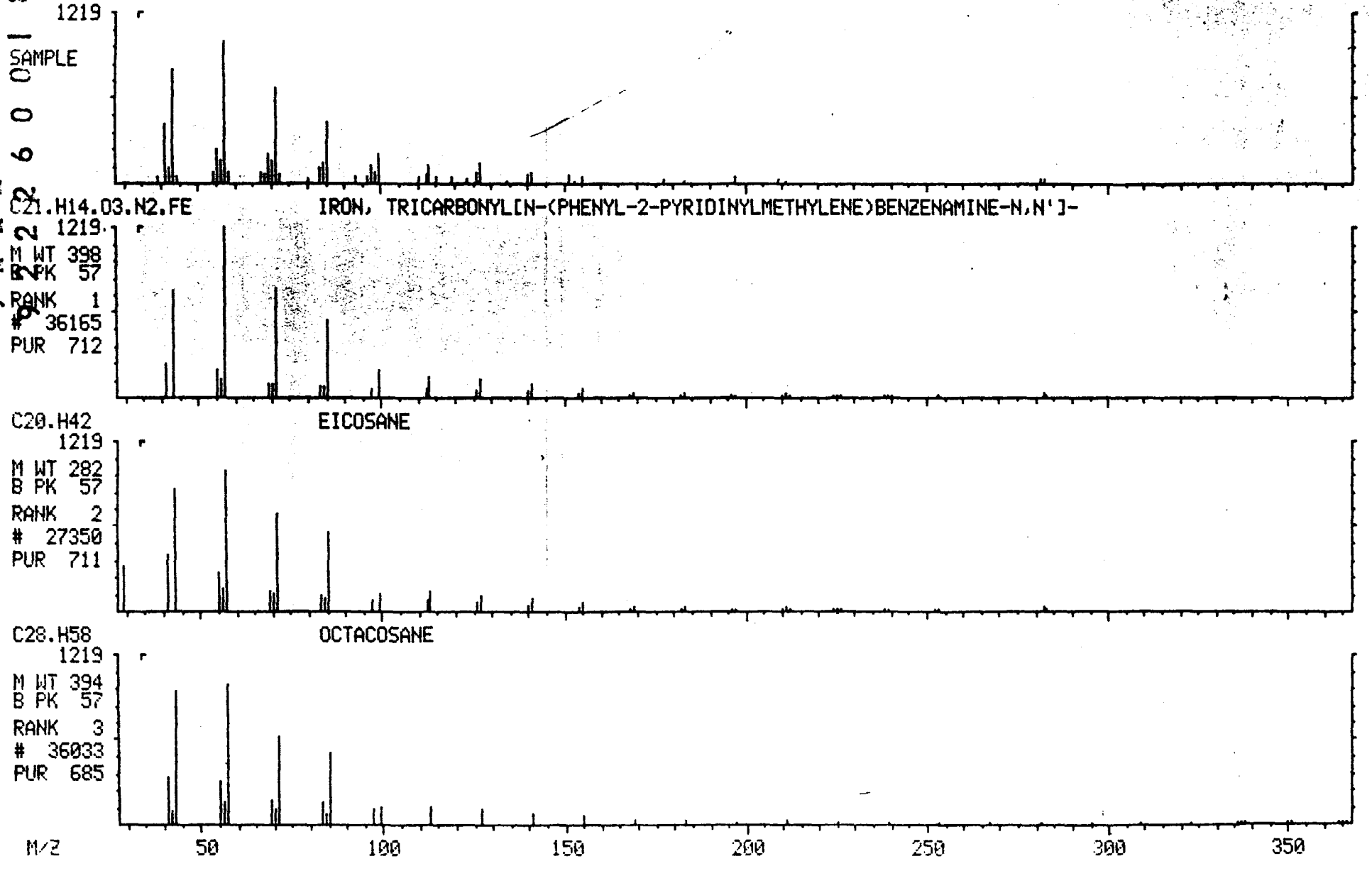
BASE M/Z: 57
RIC: 3360.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 25:12
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2542
CALI: APR02VG02 # 3

BASE M/Z: 57
RIC: 3332.

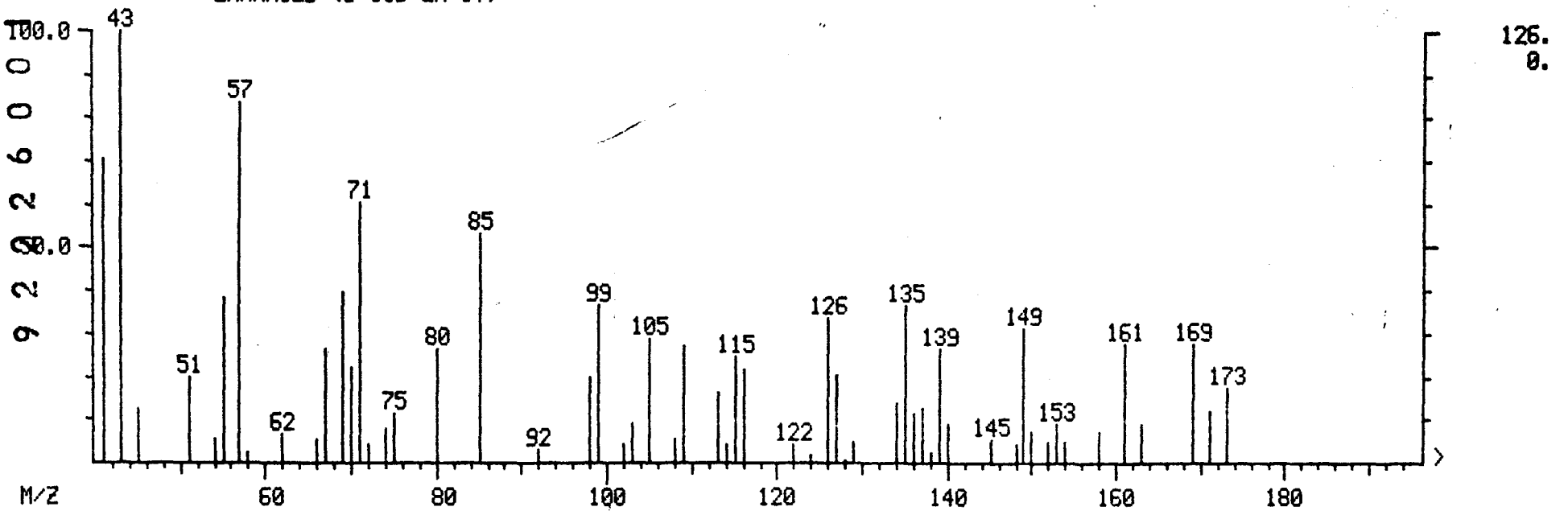


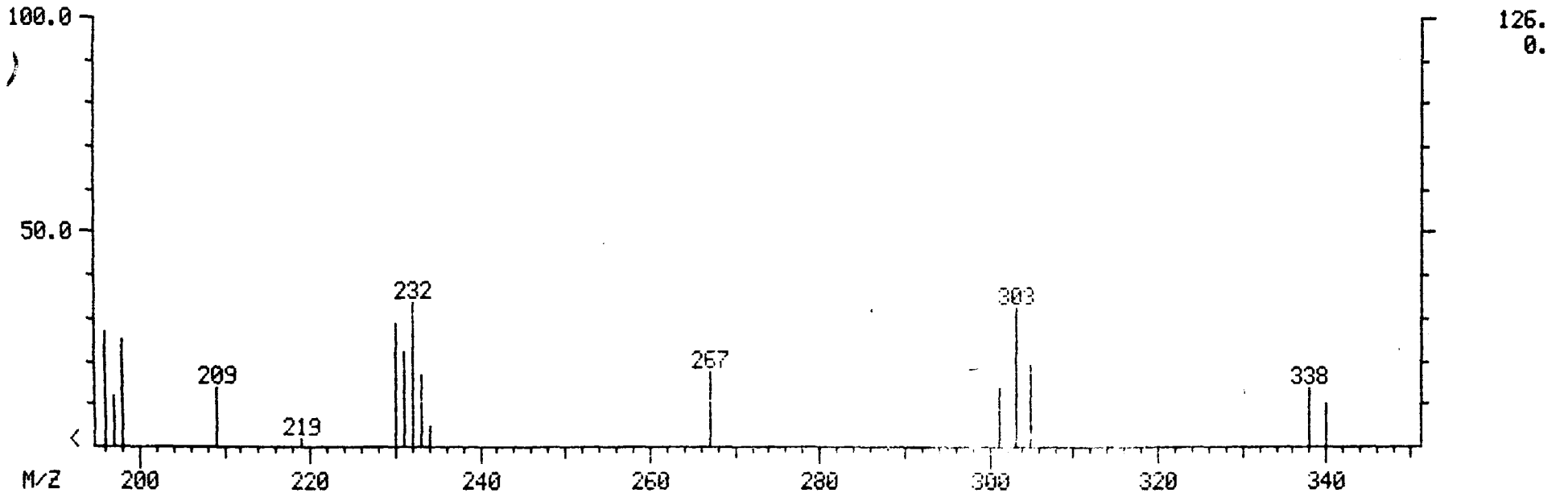
9 2 2 5 0 0 1 3 8 4
001203

MASS SPECTRUM
04/02/91 16:36:00 + 25:36
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 258 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2583
CALI: APR02VG02 #3

BASE M/Z: 43
RIC: 1824.





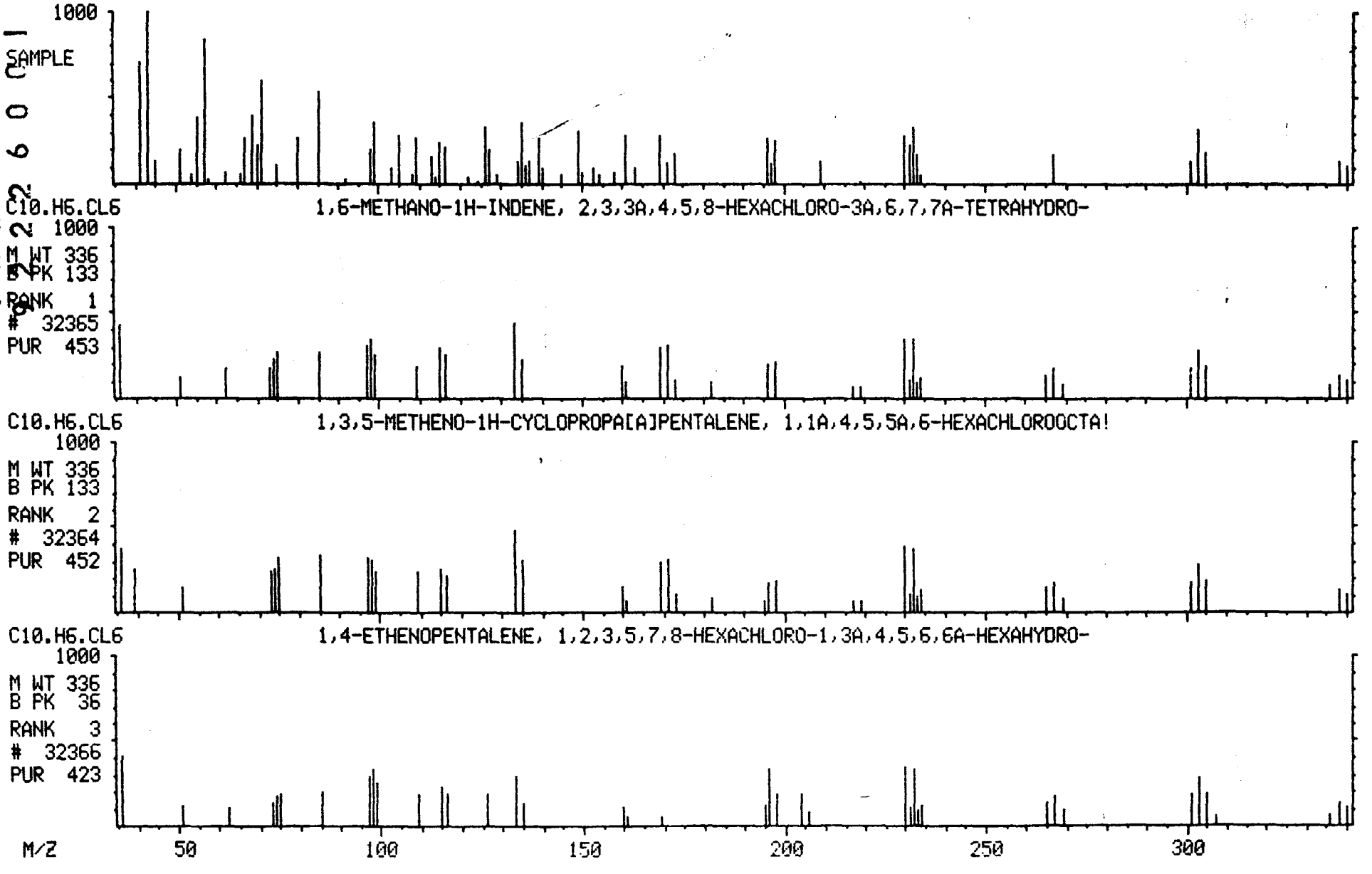
9 2 2 2 5 0 0 0 1 8 8 1

001204

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 25:36
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2583
CALI: APR02VG02 # 3

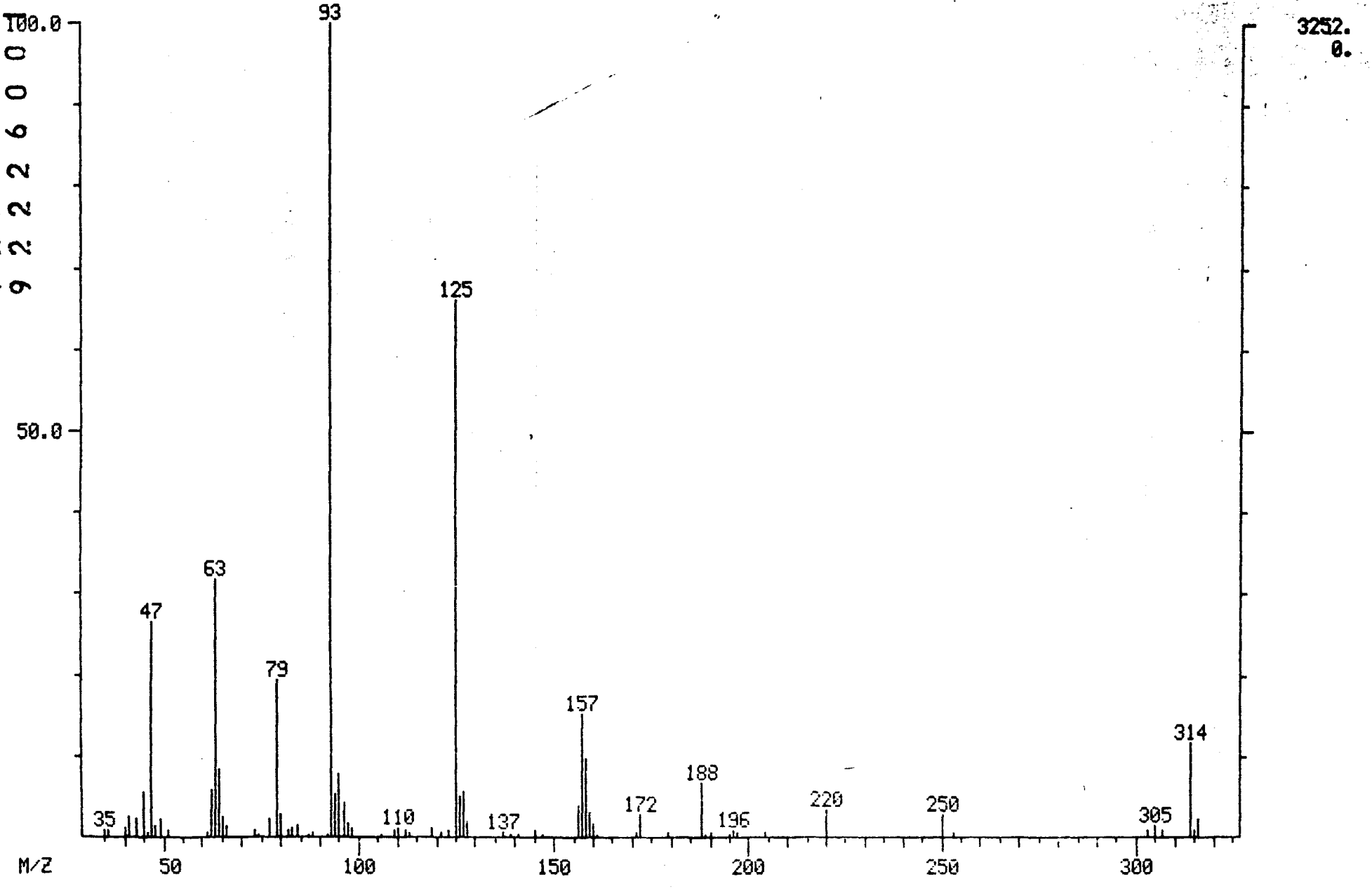
BASE M/Z: 43
RIC: 1786.



MASS SPECTRUM
04/02/91 16:36:00 + 25:43
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 259 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2594
CALI: APR02VG02 #3

BASE M/Z: 93
RIC: 13152.



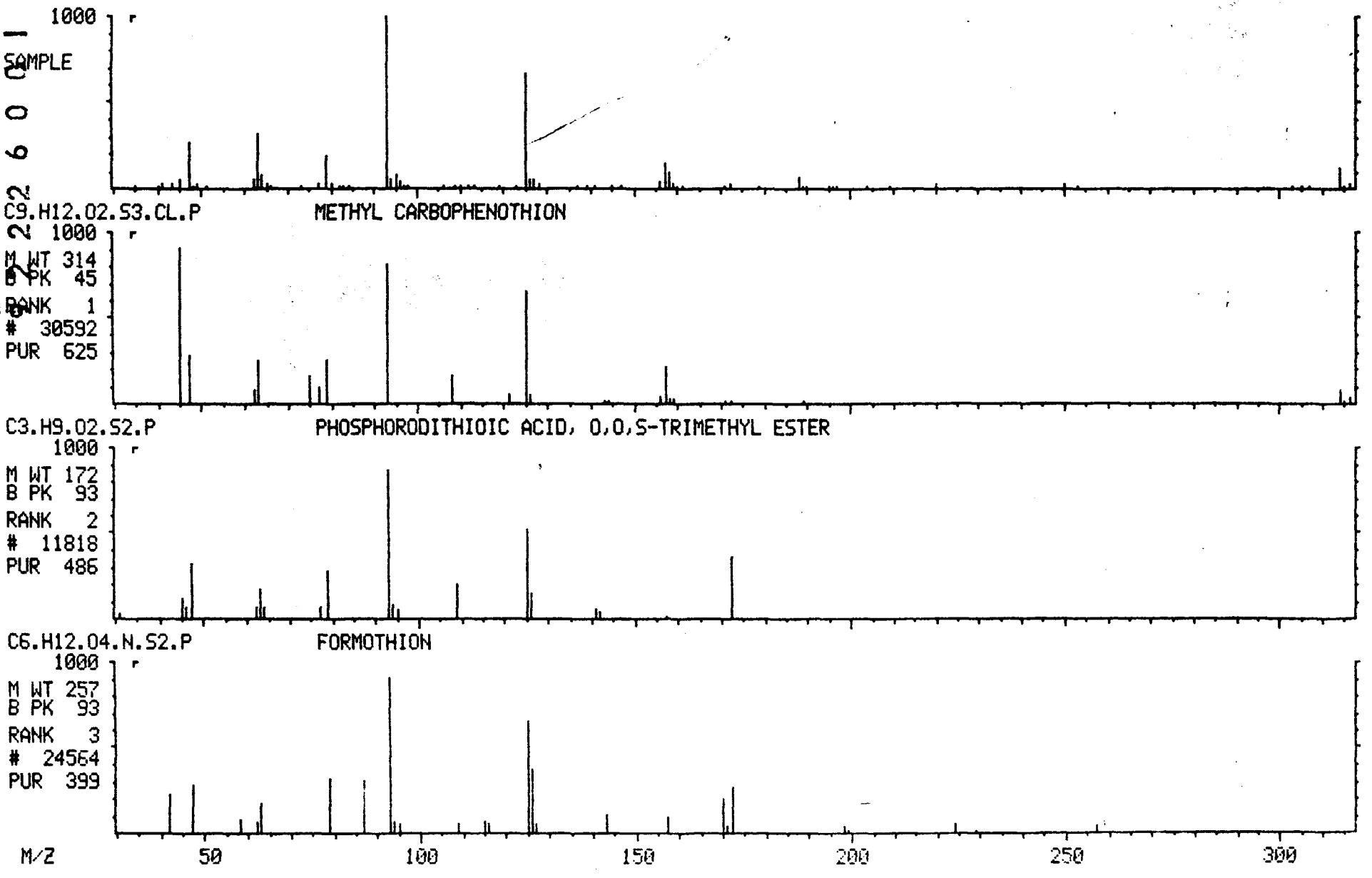
9222260011883

001206

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 25:43
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2594
CALI: APR02VG02 # 3

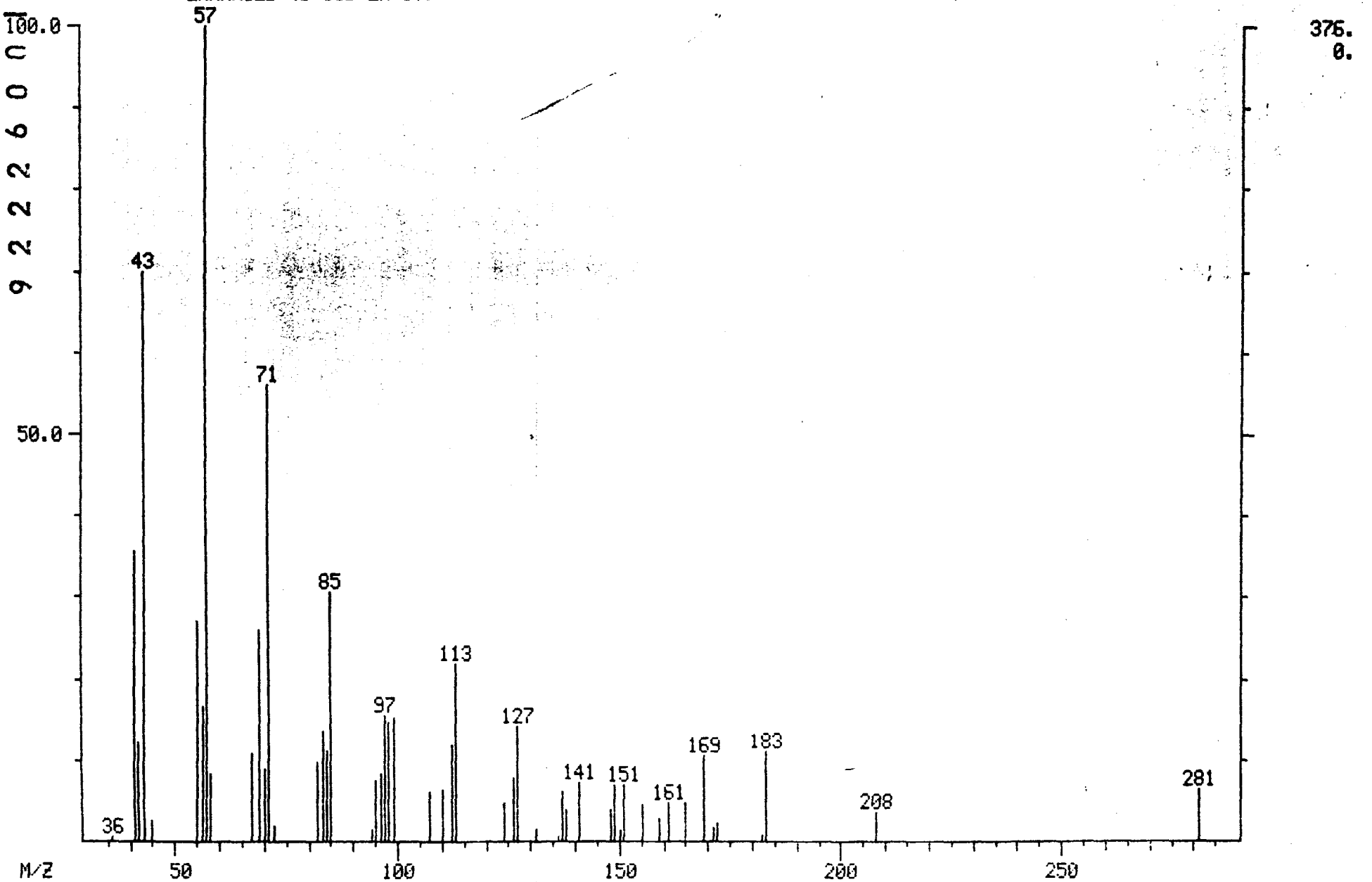
BASE M/Z: 93
RIC: 13040.



MASS SPECTRUM
04/02/91 16:36:00 + 25:59
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 261 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2622
CALI: APR02VG02 #3

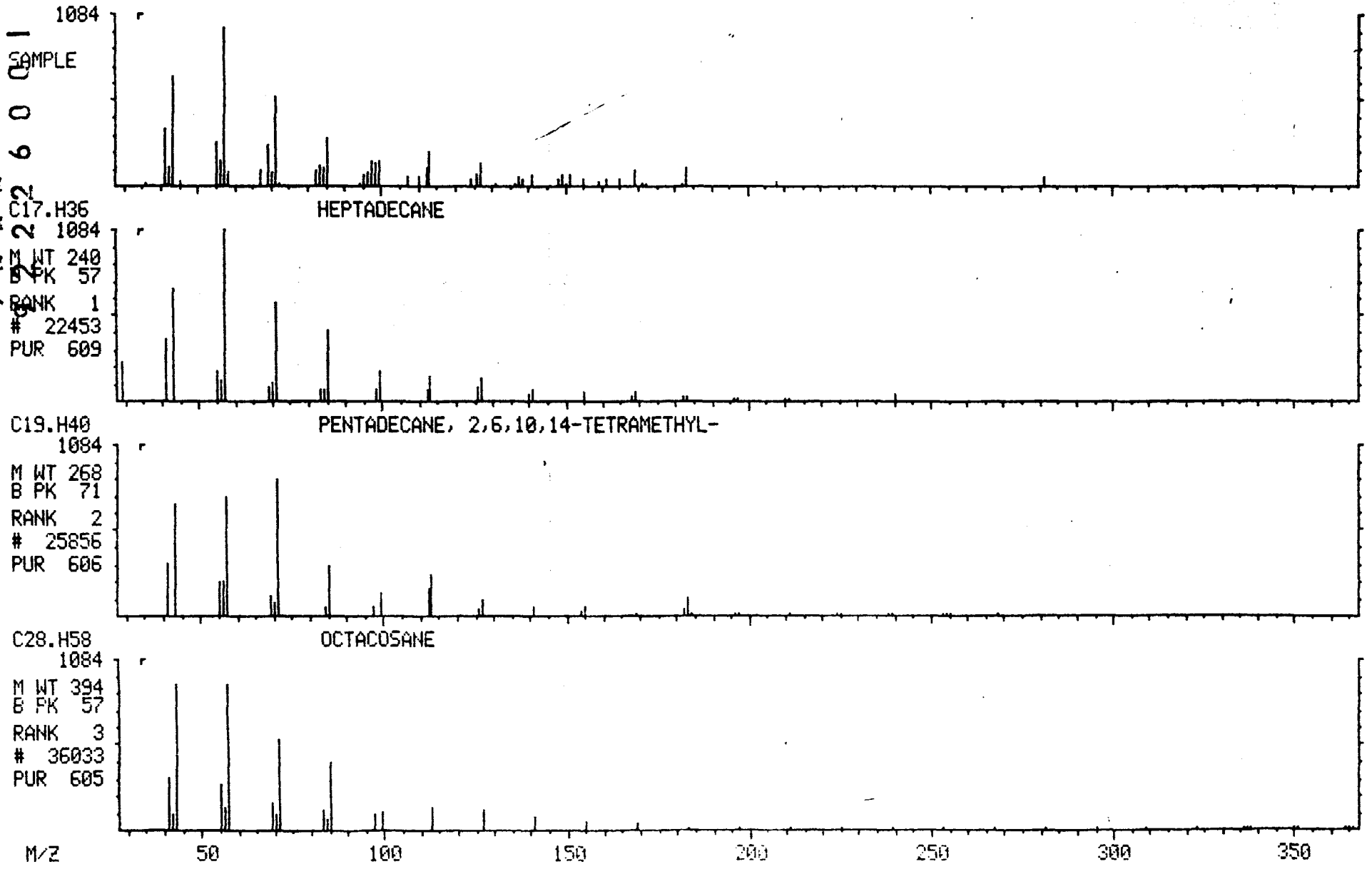
BASE M/Z: 57
RIC: 2540.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 25:59
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2622
CALI: APR02VG02 # 3

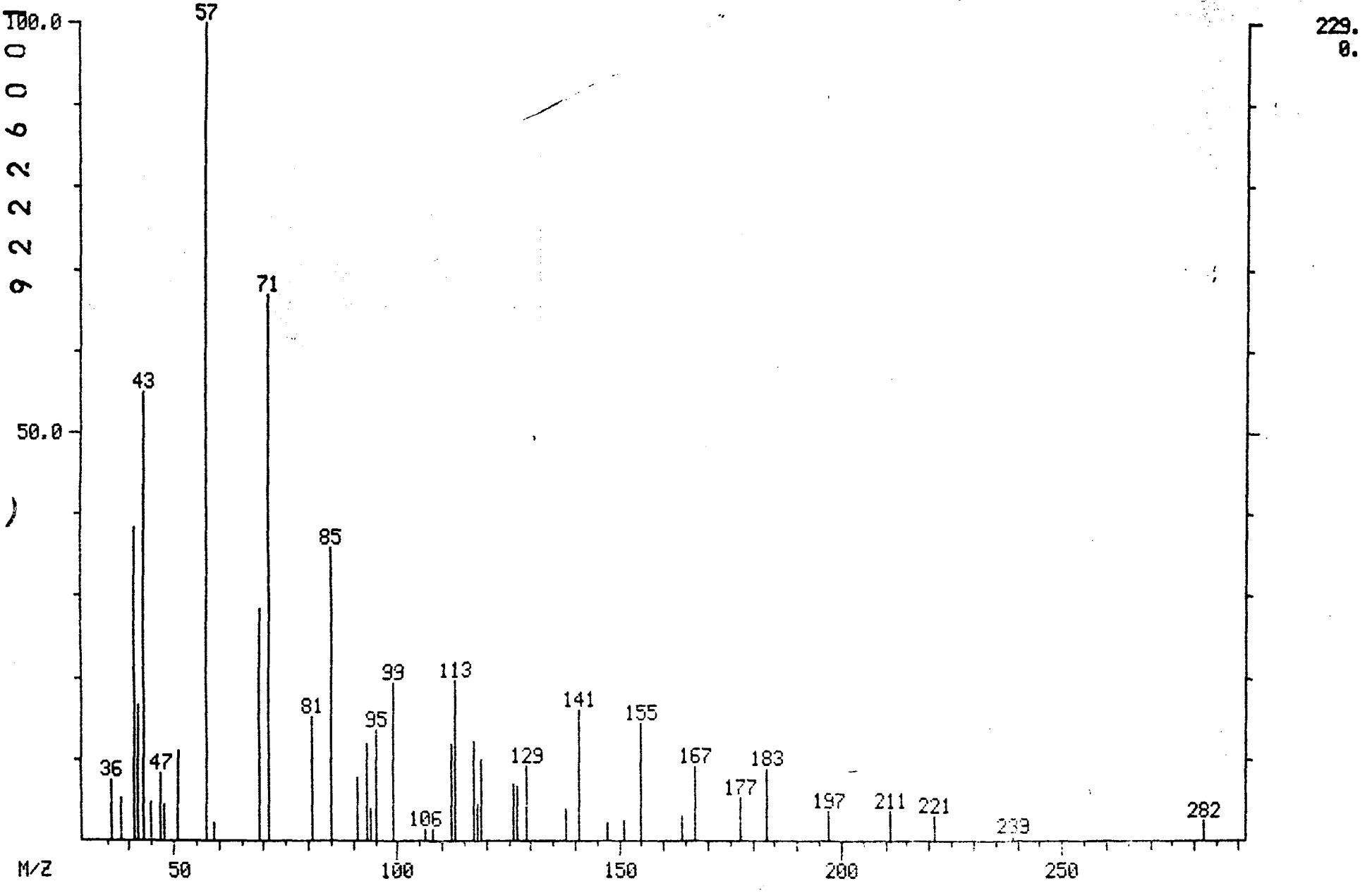
BASE M/Z: 57
RIC: 2540.



MASS SPECTRUM
04/02/91 16:36:00 + 26:33
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 267 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2679
CALI: APR02VG02 #3

BASE M/Z: 57
RIC: 1432.



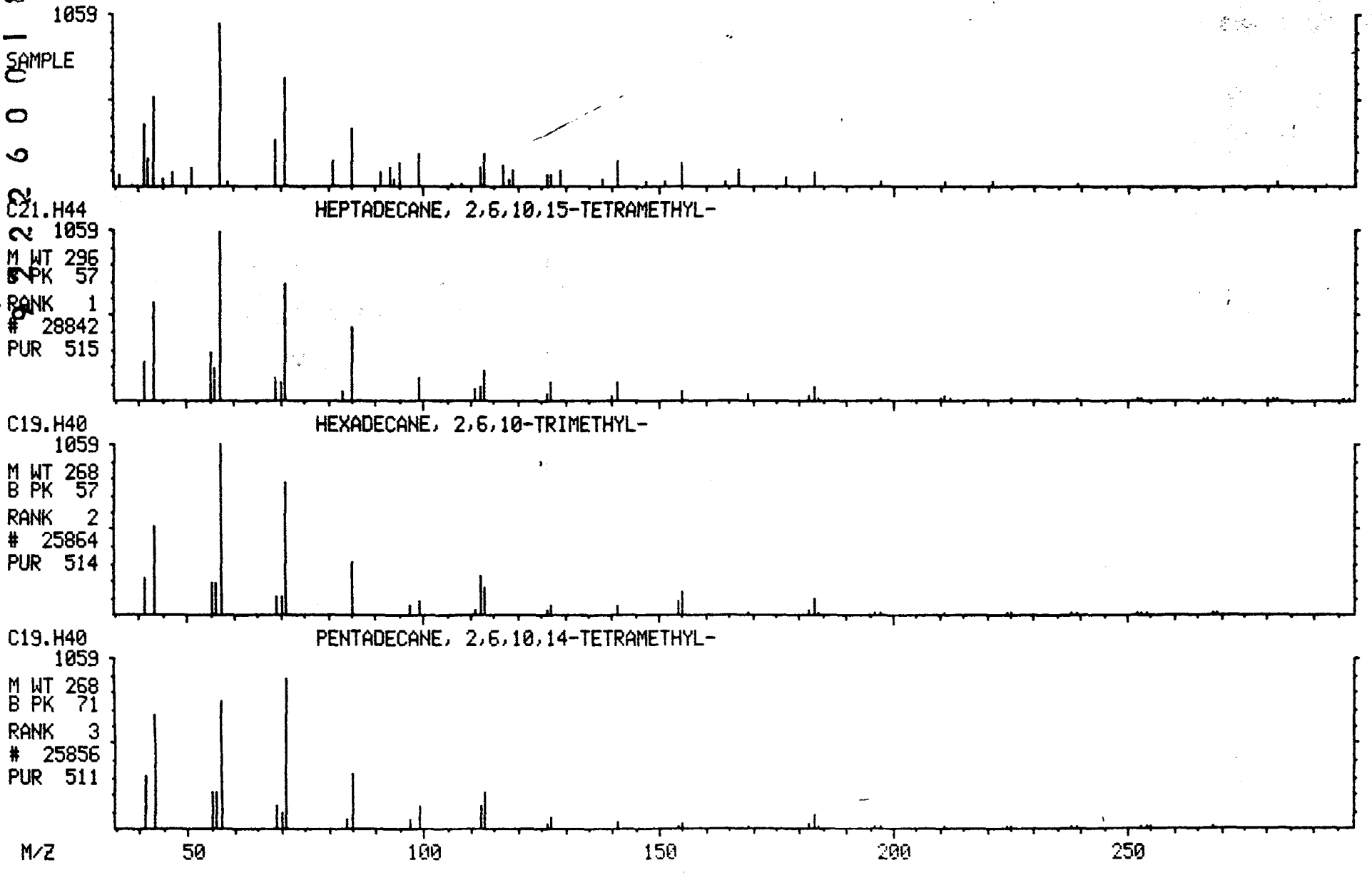
9 2 2 2 6 0 0 0 1 8 8 7

001210

MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 26:33
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #2679
CALI: APR02VG02 # 3

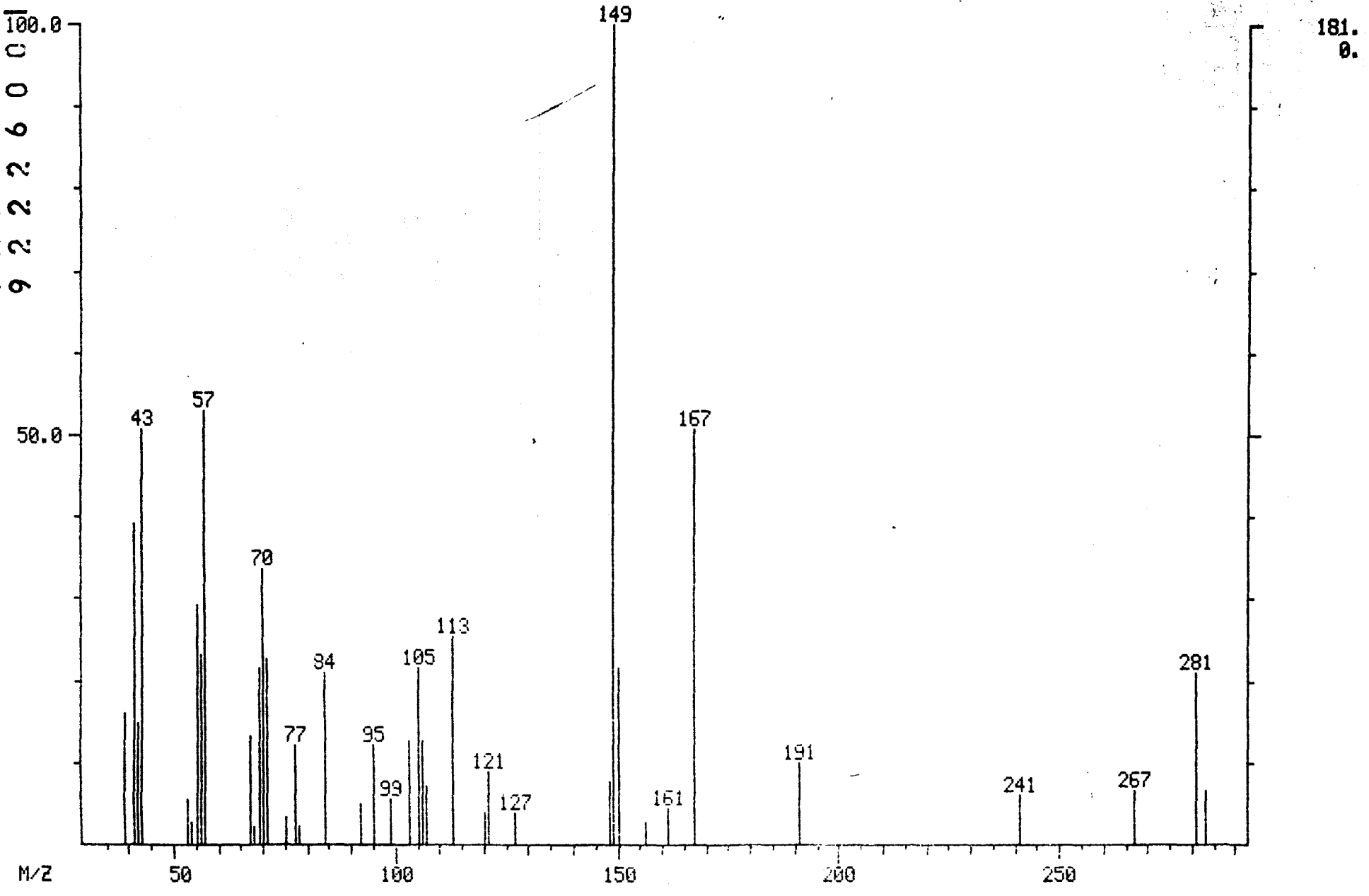
BASE M/Z: 57
RIC: 1410.



MASS SPECTRUM
04/02/91 16:36:00 + 31:22
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 280 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #3165
CALI: APR02VG02 #3

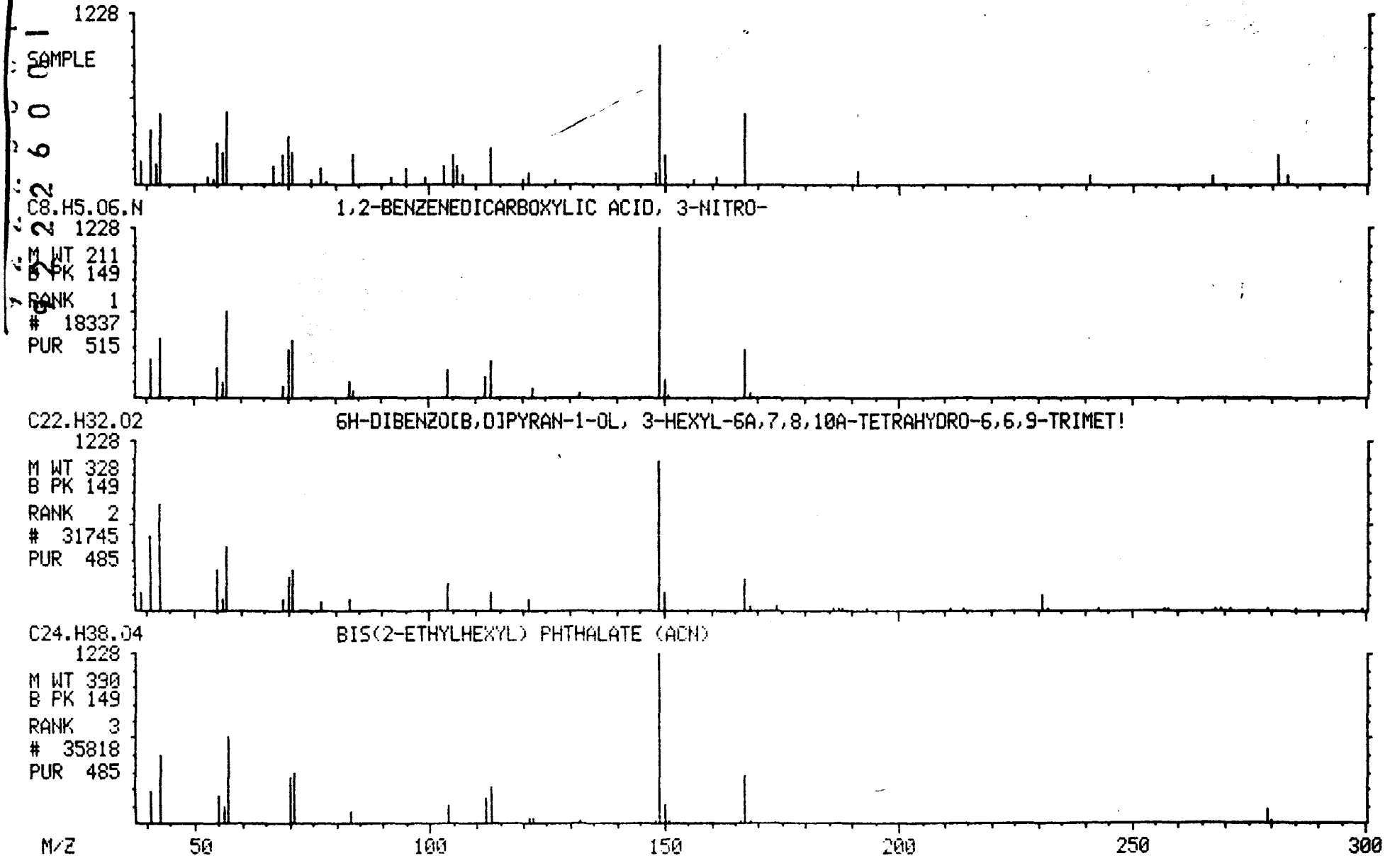
BASE M/Z: 149
RIC: 1312.



MID LIBRARY SEARCH (LIBRARYNB)
04/02/91 16:36:00 + 31:22
SAMPLE: 90898 OH-/H+ CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR02VG02 #3165
CALI: APR02VG02 # 3

BASE M/Z: 149
RIC: 1312.



SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X101

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: APR19VG03

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

% Moisture: not dec. 16 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

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

CAS NO.	COMPOUND		Q
108-95-2	Phenol	790	U
111-44-4	bis(2-Chloroethyl)Ether	790	U
95-57-8	2-Chlorophenol	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
100-51-6	Benzyl Alcohol	790	U
95-50-1	1,2-Dichlorobenzene	790	U
95-48-7	2-Methylphenol	790	U
39638-32-9	bis(2-Chloroisopropyl)Ether	790	U
106-44-5	4-Methylphenol	790	U
621-64-7	N-Nitroso-Di-n-Propylamine	790	U
67-72-1	Hexachloroethane	790	U
98-95-3	Nitrobenzene	790	U
78-59-1	Isophorone	790	U
88-75-5	2-Nitrophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
65-85-0	Benzoic Acid	3800	U
111-91-1	bis(2-Chloroethoxy)Methane	790	U
120-83-2	2,4-Dichlorophenol	790	U
120-82-1	1,2,4-Trichlorobenzene	790	U
91-20-3	Naphthalene	790	U
106-47-8	4-Chloroaniline	790	U
87-68-3	Hexachlorobutadiene	790	U
59-50-7	4-Chloro-3-Methylphenol	790	U
91-57-6	2-Methylnaphthalene	790	U
77-47-4	Hexachlorocyclopentadiene	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
95-95-4	2,4,5-Trichlorophenol	3800	U
91-58-7	2-Chloronaphthalene	790	U
88-74-4	2-Nitroaniline	3800	U
131-11-3	Dimethyl Phthalate	790	U
208-96-8	Acenaphthylene	790	U
606-20-2	2,6-Dinitrotoluene	790	U

9222600189

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

X101

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: APR19VG03

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

% Moisture: not dec. 16 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	790	U
51-28-5	2,4-Dinitrophenol	3800	U
100-02-7	4-Nitrophenol	3800	U
132-64-9	Dibenzofuran	790	U
121-14-2	2,4-Dinitrotoluene	790	U
84-66-2	Diethylphthalate	790	U
7005-72-3	4-Chlorophenyl-phenylether	790	U
86-73-7	Fluorene	790	U
100-10-6	4-Nitroaniline	3800	U
534-52-1	4,6-Dinitro-2-Methylphenol	3800	U
86-30-6	N-Nitrosodiphenylamine (1)	790	U
101-55-3	4-Bromophenyl-phenylether	790	U
118-74-1	Hexachlorobenzene	790	U
87-86-5	Pentachlorophenol	3800	U
85-01-8	Phenanthrene	790	U
120-12-7	Anthracene	790	U
84-74-2	Di-n-Butylphthalate	790	U
206-44-0	Fluoranthene	790	U
129-00-0	Pyrene	790	U
85-68-7	Butylbenzylphthalate	790	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)Anthracene	790	U
218-01-9	Chrysene	790	U
117-81-7	bis(2-Ethylhexyl)Phthalate	790	U
117-84-0	Di-n-Octyl Phthalate	790	U
205-99-2	Benzo(b)Fluoranthene	790	U
207-08-9	Benzo(k)Fluoranthene	790	U
50-32-8	Benzo(a)Pyrene	790	U
193-39-5	Indeno(1,2,3-cd)Pyrene	790	U
53-70-3	Dibenz(a,h)Anthracene	790	U
191-24-2	Benzo(g,h,i)Perylene	790	U

(1) - Cannot be separated from Diphenylamine

9222600189

001215

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

X101

Lab Name: ILLINOIS EPA Contract: _____

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

Matrix: (soil/water) SOIL Lab Sample ID: D190900

Sample wt/vol: 30.0 (g/mL) G Lab File ID: APR19VG03

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

% Moisture: not dec. 16 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

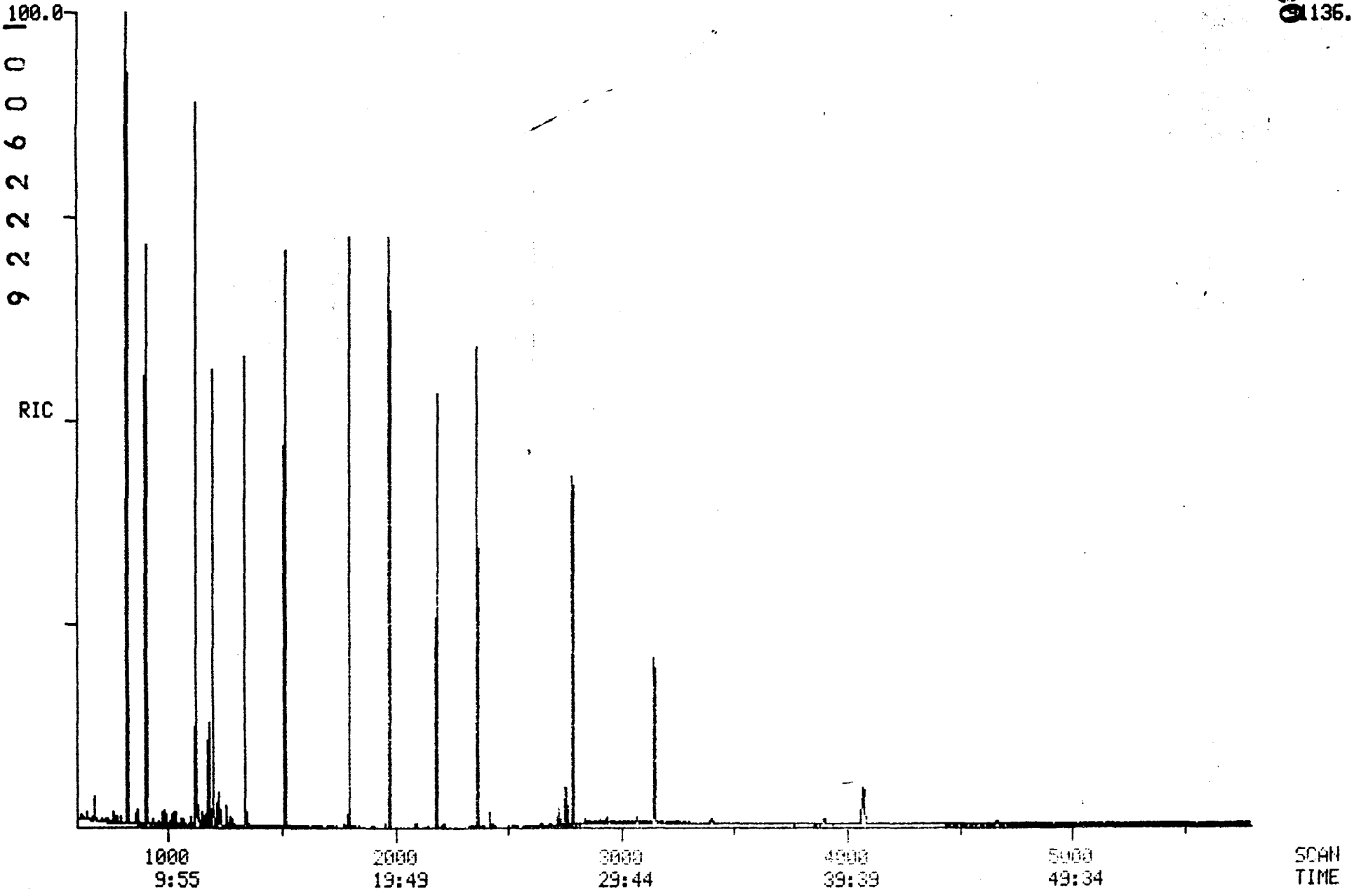
Number TICs found: 14

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.57	27	BJ
2.	UNKNOWN ALIP. ALCOHOL	8.15	2400	BAJ
3.	UNKNOWN	8.57	36	BJ
4.	TETRACHLORO ETHANE	9.80	27	BJ
5.	UNKNOWN	10.19	57	BJ
6.	UNKNOWN	10.59	21	J
7.	UNKNOWN	11.24	52	BJ
8.	UNKNOWN	11.42	35	BJ
9.	UNKNOWN	11.69	260	BJ
10.	UNKNOWN	12.15	83	BJ
11.	UNKNOWN	12.47	51	J
12.	UNKNOWN ALIP. HYDROCARBON	30.47	20	J
13.	UNKNOWN ALIP. HYDROCARBON	33.72	25	J
14.	UNKNOWN ALIP. HYDROCARBON	38.66	38	J

RIC
04/19/91 19:34:00
SAMPLE: 90900 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: APR19VG03 #1 SCANS 600 TO 5800
CALI: APR19VG03 #3



9222600394
001217
1136.

```
4/19/91     19:34:23
    Acquisition started

4/19/91     19:34:27
Acquire                          Run 0:APR219VG03        Starting
04/19/91 19:34:00 +  0:00        Free sectors: 18038     Scan: 0 of 5800
Sample: 90900 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:  271 Deg C
 3  280-280     -       32.0     60.0      Ion source    :  180 Deg C
Valve A : closed        Valve B : closed
                    *** Instrument parameters ***
     Post acquisition state ->   Filament : Off  Multiplier : Off
MODE: EI (+) Centroid + Temp - Sequence: BN ( 2 time windows.)

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

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

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

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

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

    Calibration table:       1:CALTAB

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

001218

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 20:33:26
ACQUISITION COMPLETED
Scans 1 to 5800 Centroid

Mode	Scans	Secs	Out of	%	Peaks per scan	per sec
Centroid	5800	3.5	3449.4	0.1	47597. 8.	14.

001219

Quantitation Report File: APR19VG03

Data: APR19VG03.TI
04/19/91 19:34:00
Sample: 90900 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	1198	11:52	1	1.000	A BB	32068.	40.000 UG/L	4.75
2	94	1126	11:10	1	0.940	A BB	118.	0.127 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	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	112	906	8:59	1	0.756	A BB	49974.	93.059 %	11.06
15	99	1123	11:08	1	0.937	A BV	63174.	103.600 %	12.31
16	136	1518	15:03	16	1.000	A BB	86040.	40.000 UG/L	4.75
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	128	1523	15:06	16	1.003	A BB	38.	0.019 UG/L	0.00
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	82	1339	13:16	16	0.882	A BB	46332.	87.529 %	10.40
31	162	1978	19:36	31	1.000	A BB	40704.	40.000 UG/L	4.75
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	1900	17:51	31	0.910	A BB	63316.	124.597 %	14.80

Quantitation Report File: APR19VG03

Data: APR19VG03.TI
04/19/91 19:34:00
Sample: 90900 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	2186	21:40	31	1.105	A BB	9802.	104.089 %	12.37
52	188	2365	23:27	52	1.000	A BV	62788.	40.000 UG/L	4.75
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	178	2371	23:30	52	1.003	A BB	456.	0.277 UG/L	0.03
58	NOT FOUND								
59	149	2524	25:01	52	1.067	A BB	422.	0.188 UG/L	0.02
60	202	2688	26:39	52	1.137	A BB	754.	0.514 UG/L	0.06
61	NOT FOUND								
62	202	2748	27:14	52	1.162	A BB	786.	0.540 UG/L	0.06
63	NOT FOUND								
64	240	3150	31:13	64	1.000	A BB	32450.	40.000 UG/L	4.75
65	149	2936	29:06	64	0.932	A BB	86.	0.115 UG/L	0.01

001262

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	NOT FOUND								
67	228	3143	31:09	64	0.998	A BB	40.	0.046 UG/L	0.01
68	149	3168	31:24	64	1.006	A BB	266.	0.342 UG/L	0.04
69	228	3161	31:20	64	1.003	A BB	242.	0.295 UG/L	0.04
70	244	2787	27:37	64	0.885	A BB	41396.	86.570 %	10.28
71	264	4075	40:24	71	1.000	A BB	16018.	40.000 UG/L	4.75
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								

9222600190834

Quantitation Report File: APR19VG03A

Data: APR19VG03.TI
04/19/91 19:34:00
Sample: 90900 GPC CLP 1UL.-1.0ML.
Conds.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
Formula: Instrument: INC500 Weight: 0.000
Submitted by: SB Analyst: VG Acct. No.:

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

$\frac{340514}{222681} \times 40 \times \frac{1}{30.03} \times \frac{1}{100} = 0.020$

No	CAS #	Name
1	14617-97-1	BUTYRIC ACID, M-NITROPHENYL ESTER
2	625-06-9	2-PENTANOL, 2,4-DIMETHYL-
3	557-40-4	1-PROPENE, 3,3'-OXYBIS-
4	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO-
5	684-94-6	3-PENTEN-2-ONE, 3,4-DIMETHYL-
6	54411-04-0	1-HEPTYNE, 3-ETHOXY-3,4-DIMETHYL-
7	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
8	18720-66-6	3-HEPTANOL, 6-METHYL-
9	5343-96-4	2-BUTANOL, 3-METHYL-, ACETATE
10	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
11	22769-00-2	CYCLOBUTANE, 1,2-DIPROPENYL-
12	53720-72-2	FURAN, 2,5-DIHYDRO-3,4-DIMETHYL-
13	57-74-9	CHLORDANE
14	2801-84-5	DECANE, 2,4-DIMETHYL-
15	62183-55-5	OCTANE, 3-ETHYL-2,7-DIMETHYL-
16	37769-62-3	ISOOCTANE, (ETHENYLOXY)-
17	17302-32-8	NONANE, 3,7-DIMETHYL-

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	RIC	764	7:34	2	0.929	A BB	3930.UNK	0.023B	0.85
2	RIC	822	8:09	2	1.000	A BB	340514.~~ALCOL~~	2.000BA	73.62
3	RIC	865	8:34	2	1.052	A BB	5067.UNK	0.030B	1.10
4	RIC	988	9:48	2	1.202	A BB	3878.~~Below~~	0.023B	0.84
5	RIC	1028	10:11	2	1.251	A BB	8104.UNK	0.048B	1.75
6	RIC	1068	10:35	2	1.299	A BB	3056.UNK	0.018	0.66
7	RIC	1134	11:14	2	1.380	A VB	7457.UNK	0.044B	1.61
8	RIC	1152	11:25	2	1.401	A BB	4926.UNK	0.029B	1.06
9	RIC	1178	11:41	2	1.433	A BB	36732.UNK	0.216B	7.94
10	RIC	1226	12:09	2	1.491	A VV	11988.UNK	0.070B	2.59
11	RIC	~~1232~~	12:13	2	1.499	A VB	~~2709~~.	~~0.016~~	0.59
12	RIC	1258	12:28	2	1.530	A BB	7363.UNK	0.043	1.59
13	RIC	~~2754~~	27:18	2	3.350	A BB	~~13565~~.	~~0.080~~	2.93
14	RIC	3073	30:28	2	3.738	A BBH	2872.HC	0.017	0.62
15	RIC	3402	33:43	2	4.139	A BB	3654.HC	0.021	0.79
16	RIC	3899	38:39	2	4.743	A BB	5387.HC	0.032	1.16
17	RIC	~~4674~~	46:20	2	5.686	A VB	~~1340~~.	~~0.008~~	0.29

Tetrachloro Ethane #4

9222506 9 0 1 0 3 5

001224

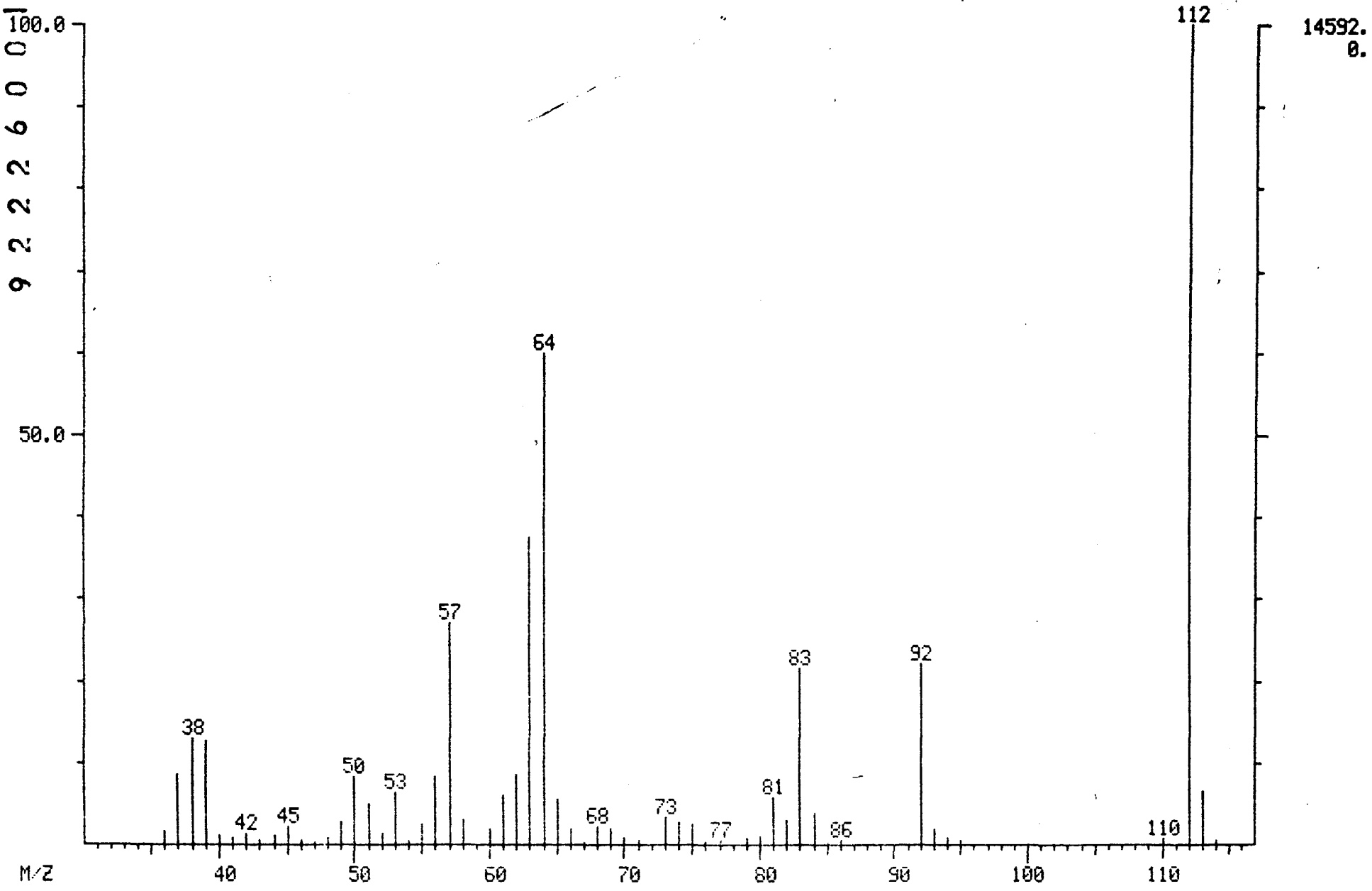
TARGET COMPOUND SPECTRA

92226001902

MASS SPECTRUM
04/19/91 19:34:00 + 8:59
SAMPLE: 90900 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: APR19VG03 #906
CALI: APR19VG03 #3

BASE M/Z: 112
RIC: 60992.



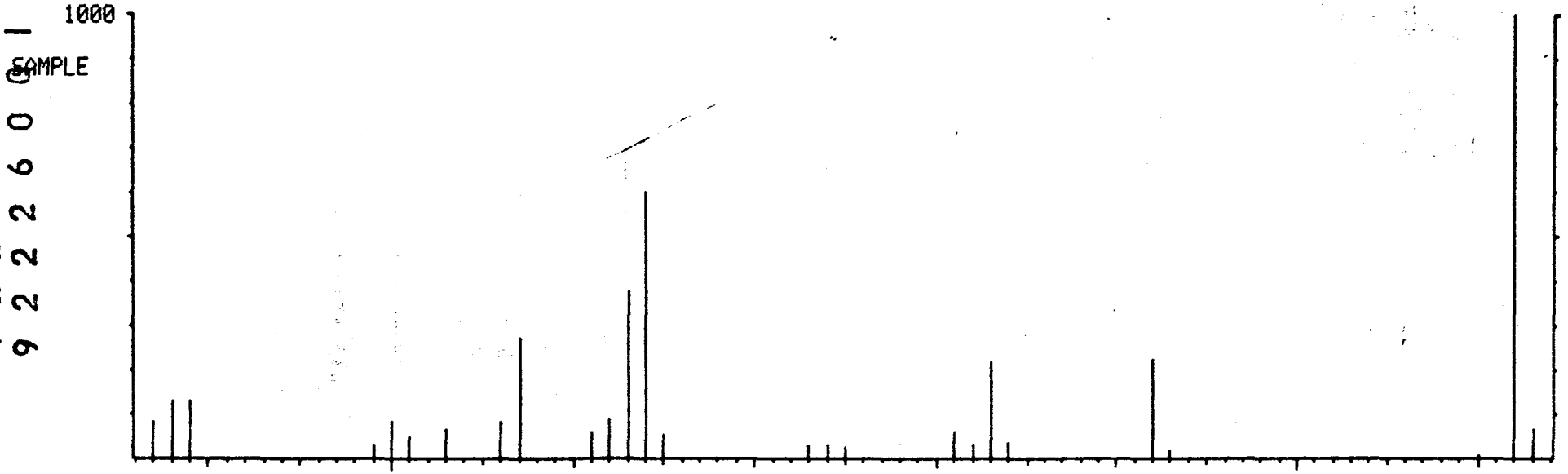
9222600903

001228

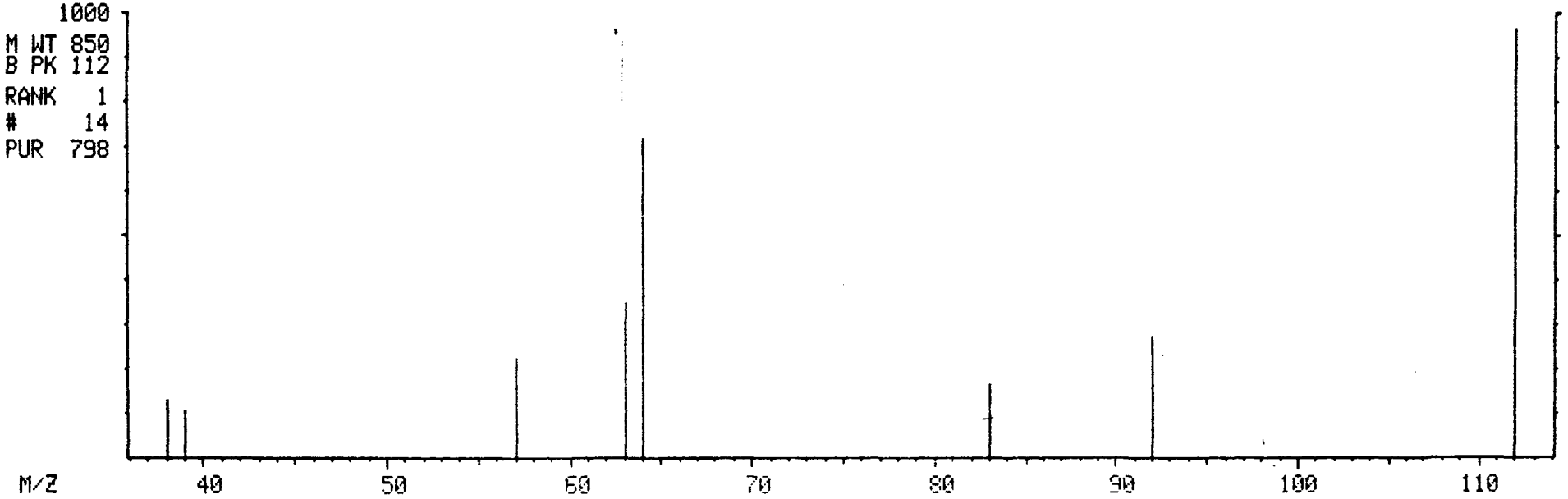
MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 8:59
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 # 906
CALI: APR19VG03 # 3

BASE M/Z: 112
RIC: 56192.



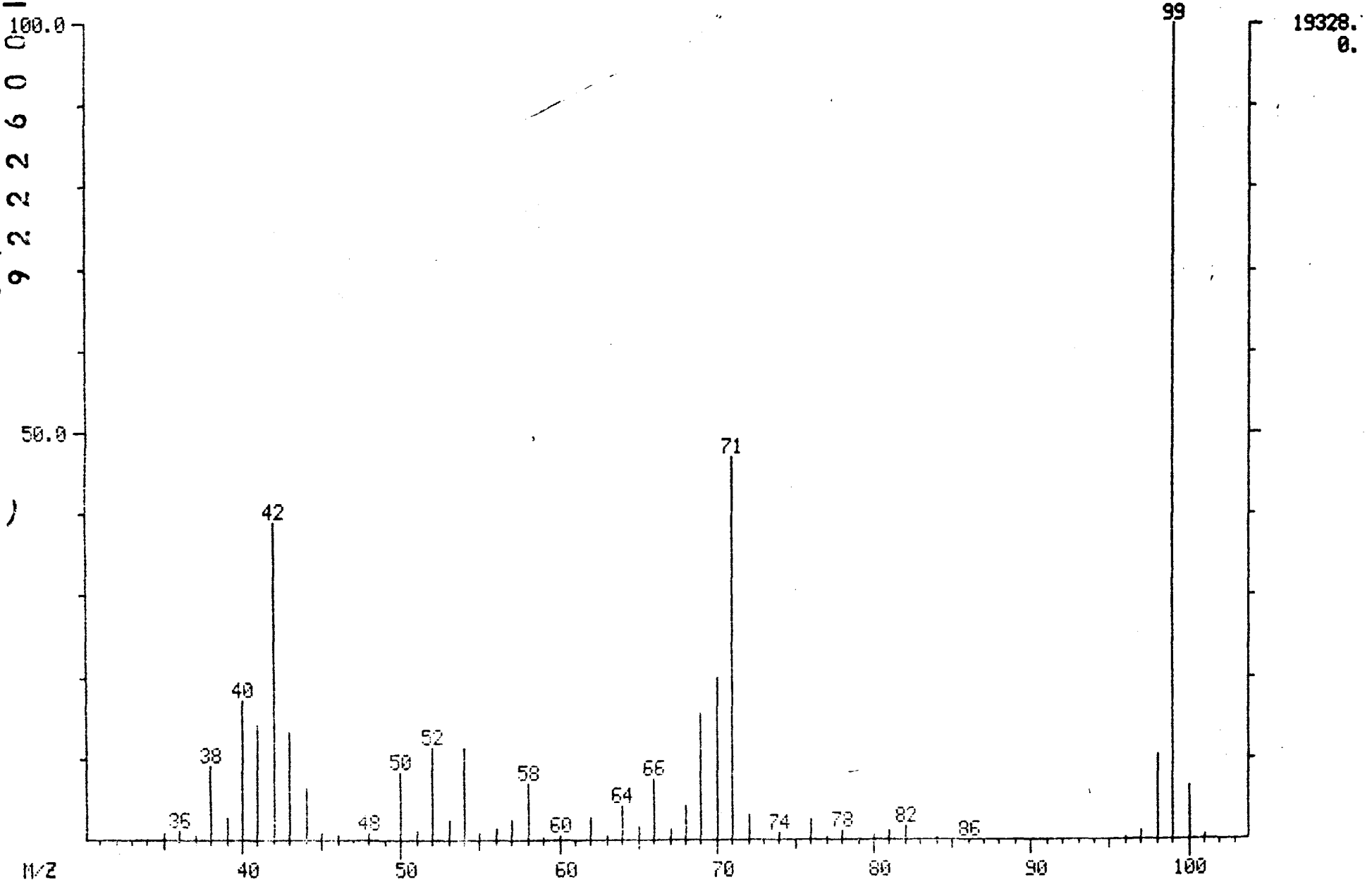
C6.H5.O.F CS50 2-FLUOROPHENOL (SURROGATE)



MASS SPECTRUM
04/19/91 19:34:00 + 11:08
SAMPLE: 90900 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: APR19VG03 #1123
CALI: APR19VG03 #3

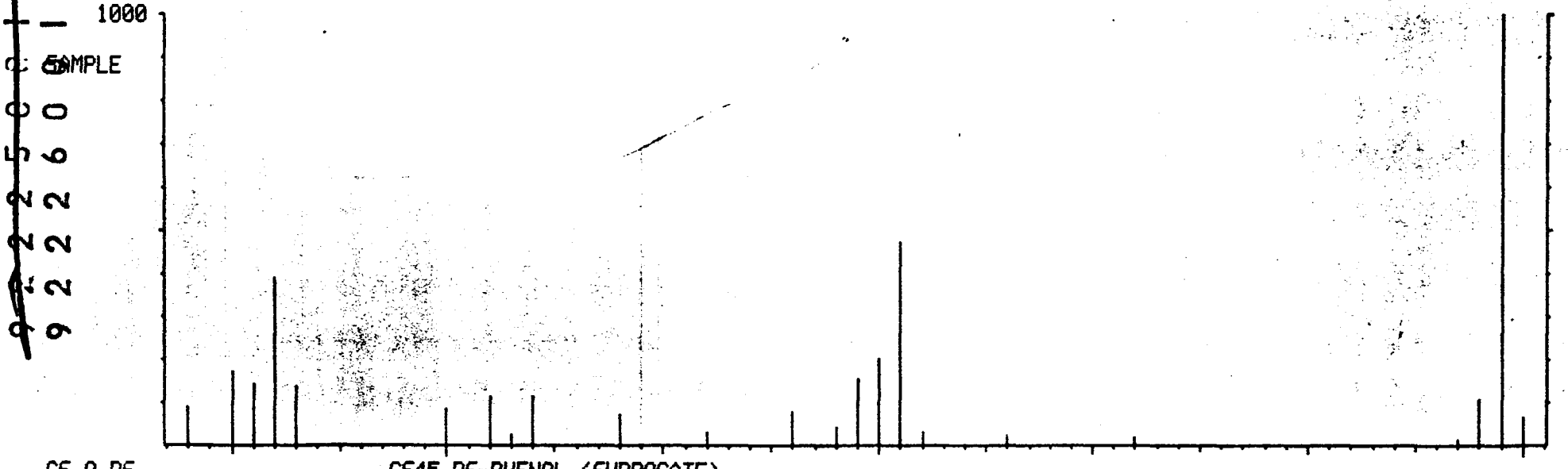
BASE M/Z: 99
RIC: 75008.



MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 11:08
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

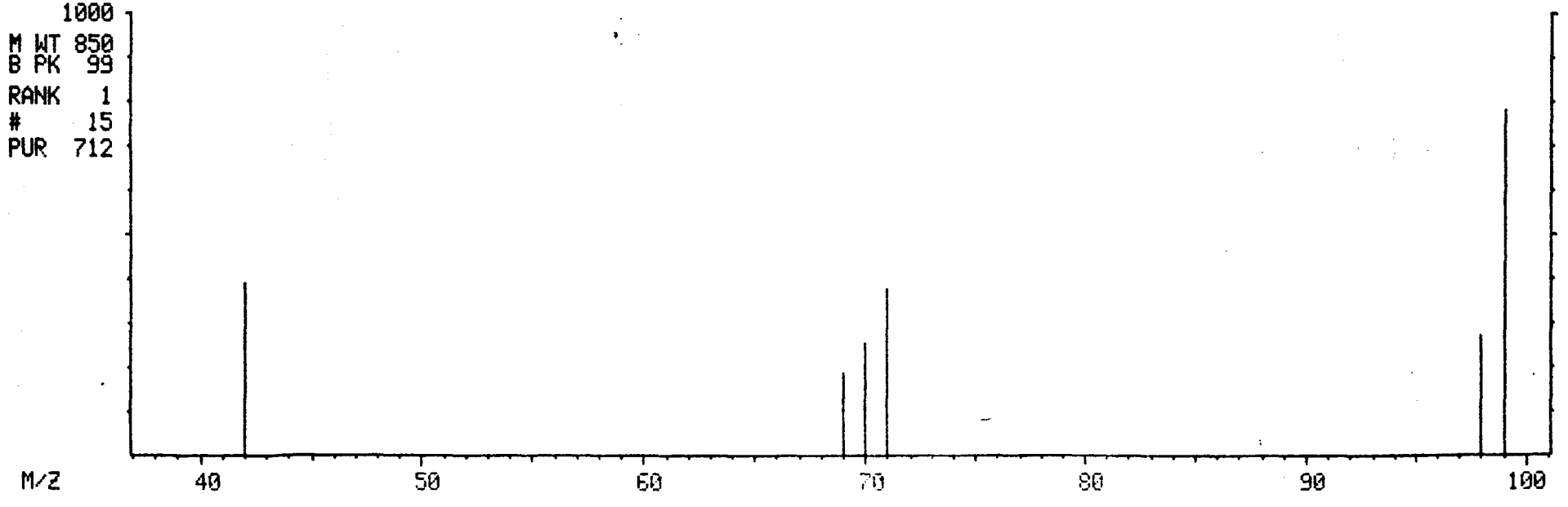
DATA: APR19VG03 #1123
CALI: APR19VG03 # 3

BASE M/Z: 99
RIC: 68608.



C6.0.D6

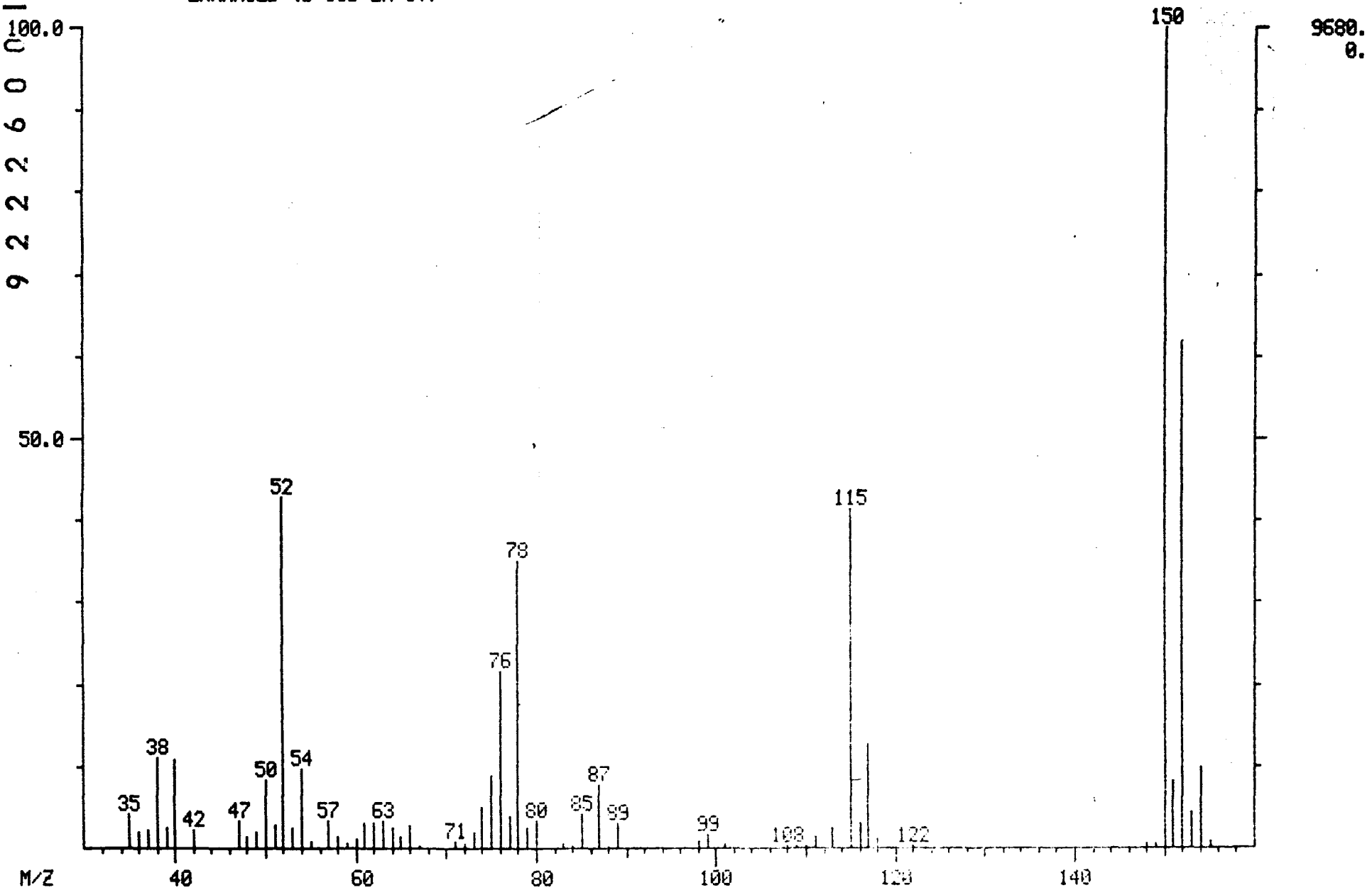
CS45 D6-PHENOL (SURROGATE)



MASS SPECTRUM
04/19/91 19:34:00 + 11:52
SAMPLE: 90900 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: APR19VG03 #1198
CALI: APR19VG03 #3

BASE M/Z: 150
RIC: 46784.



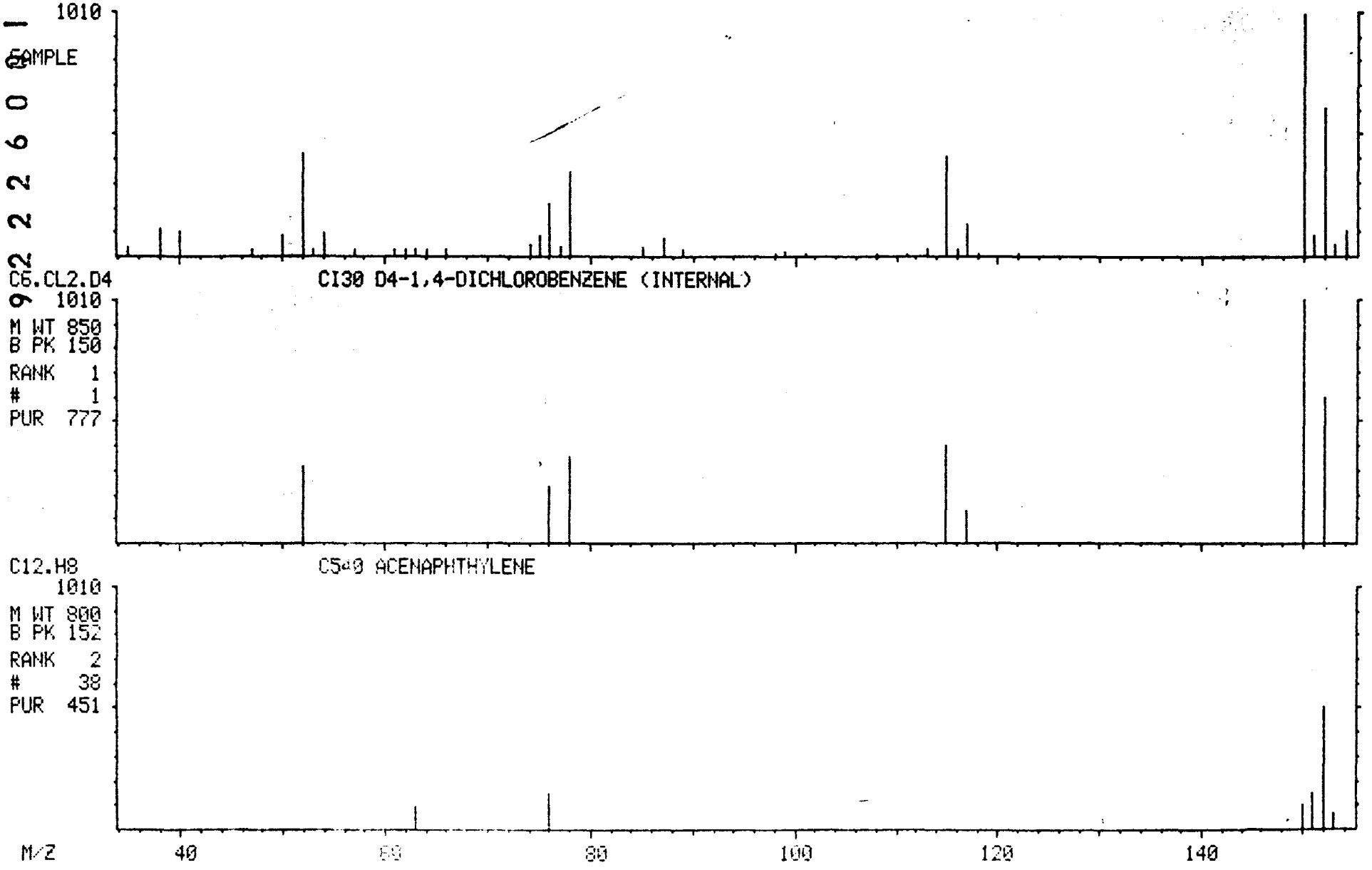
9222250001907

001230

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 11:52
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1198
CALI: APR19VG03 # 3

BASE M/Z: 150
RIC: 43584.

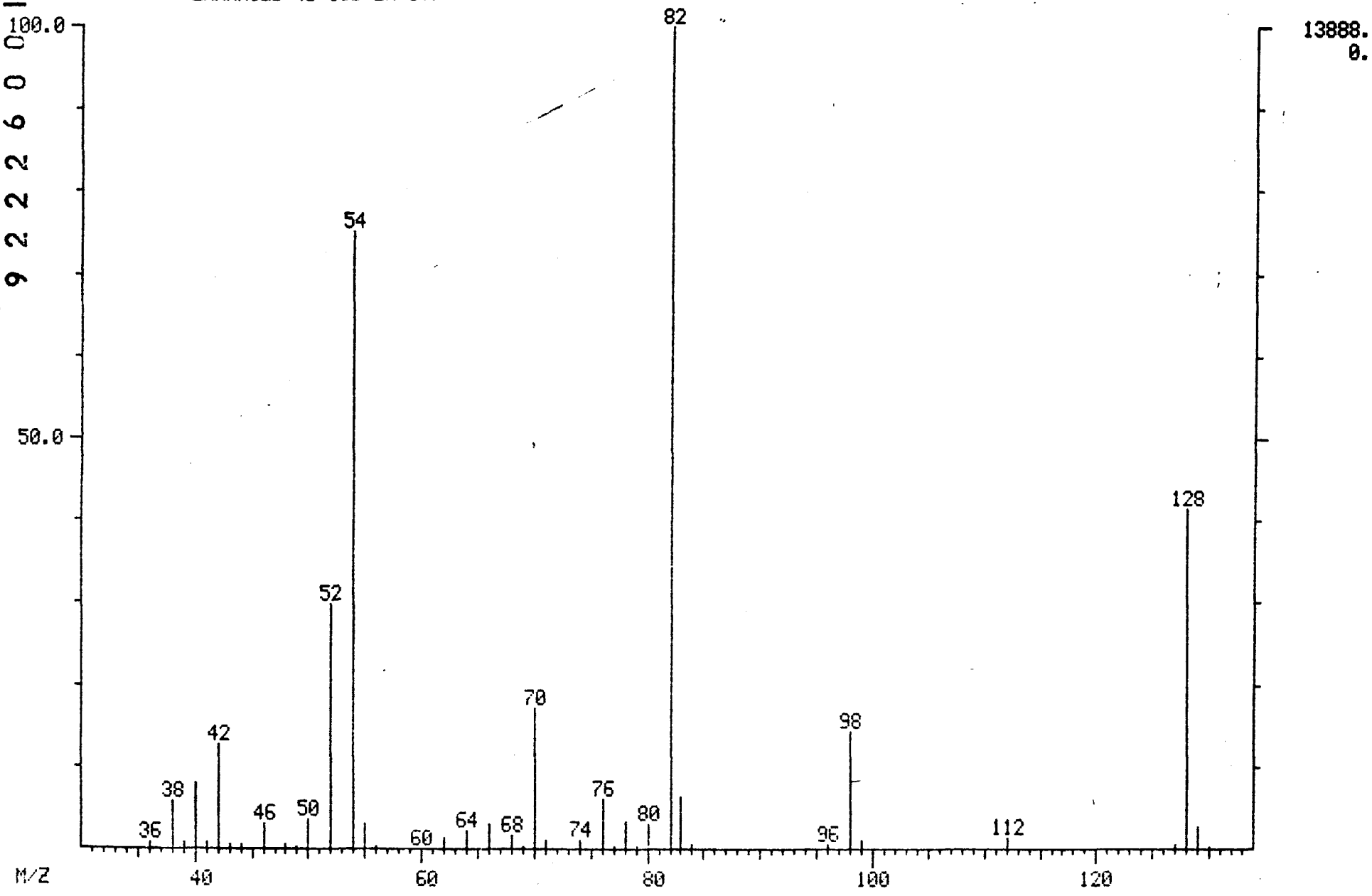


MASS SPECTRUM
04/19/91 19:34:00 + 13:16
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 133 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1339
CALI: APR19VG03 #3

BASE M/Z: 82
RIC: 49536.

001232

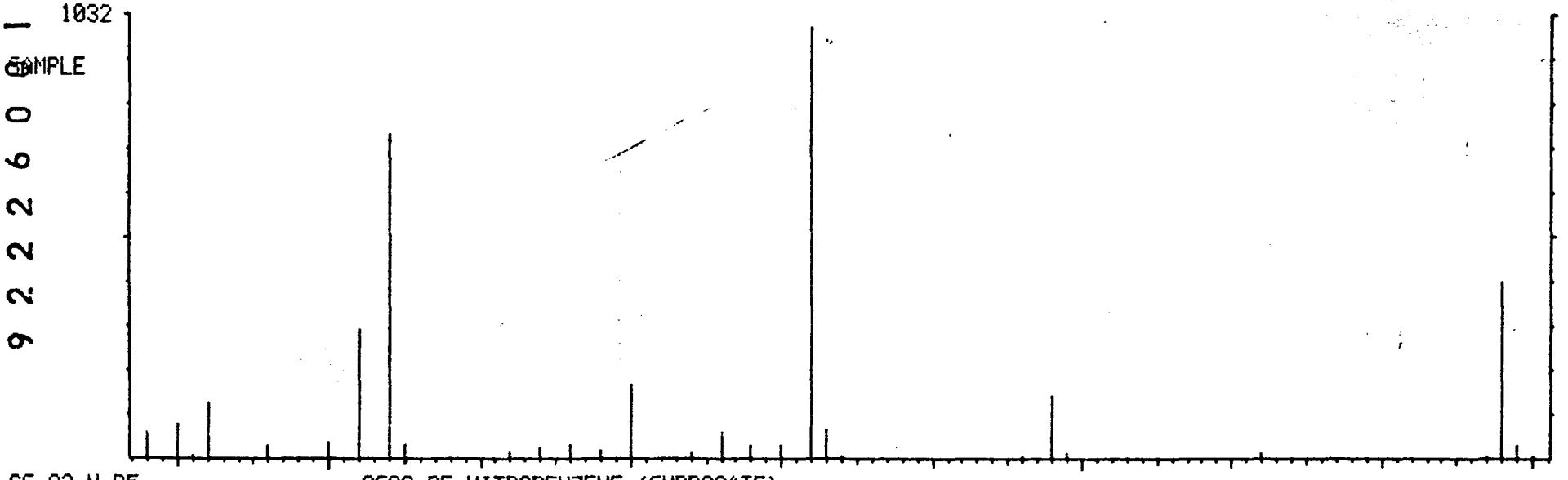


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 13:16
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

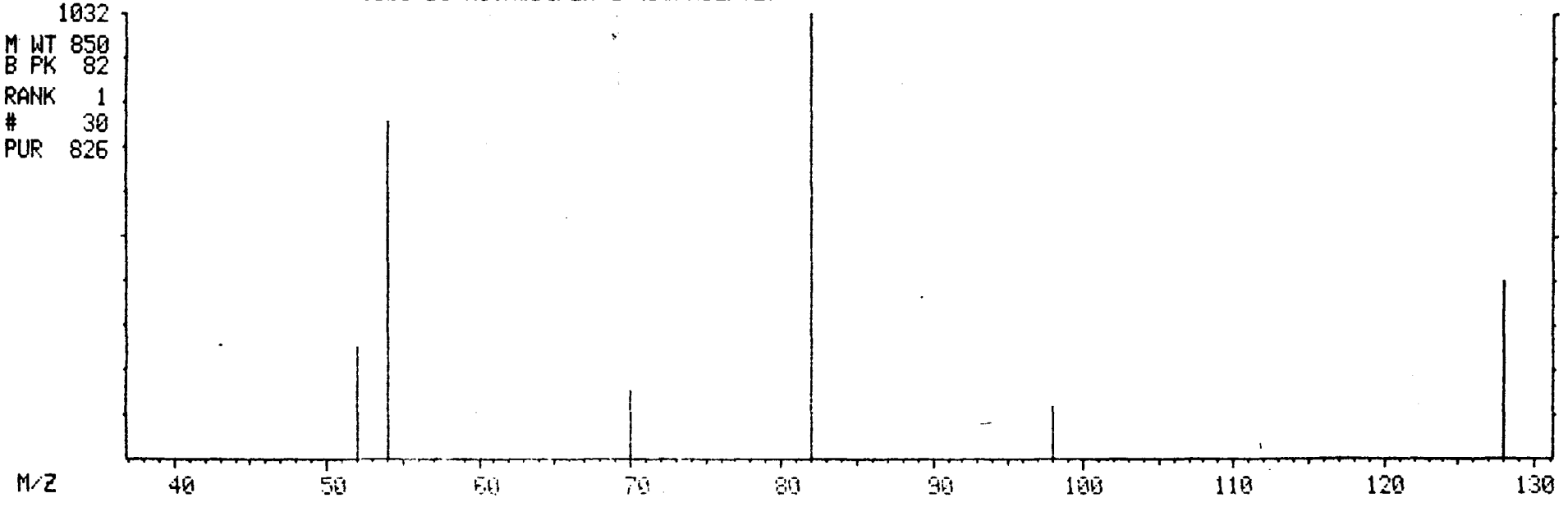
DATA: APR19VG03 #1339
CALI: APR19VG03 # 3

BASE M/Z: 82
RIC: 48704.

001233



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

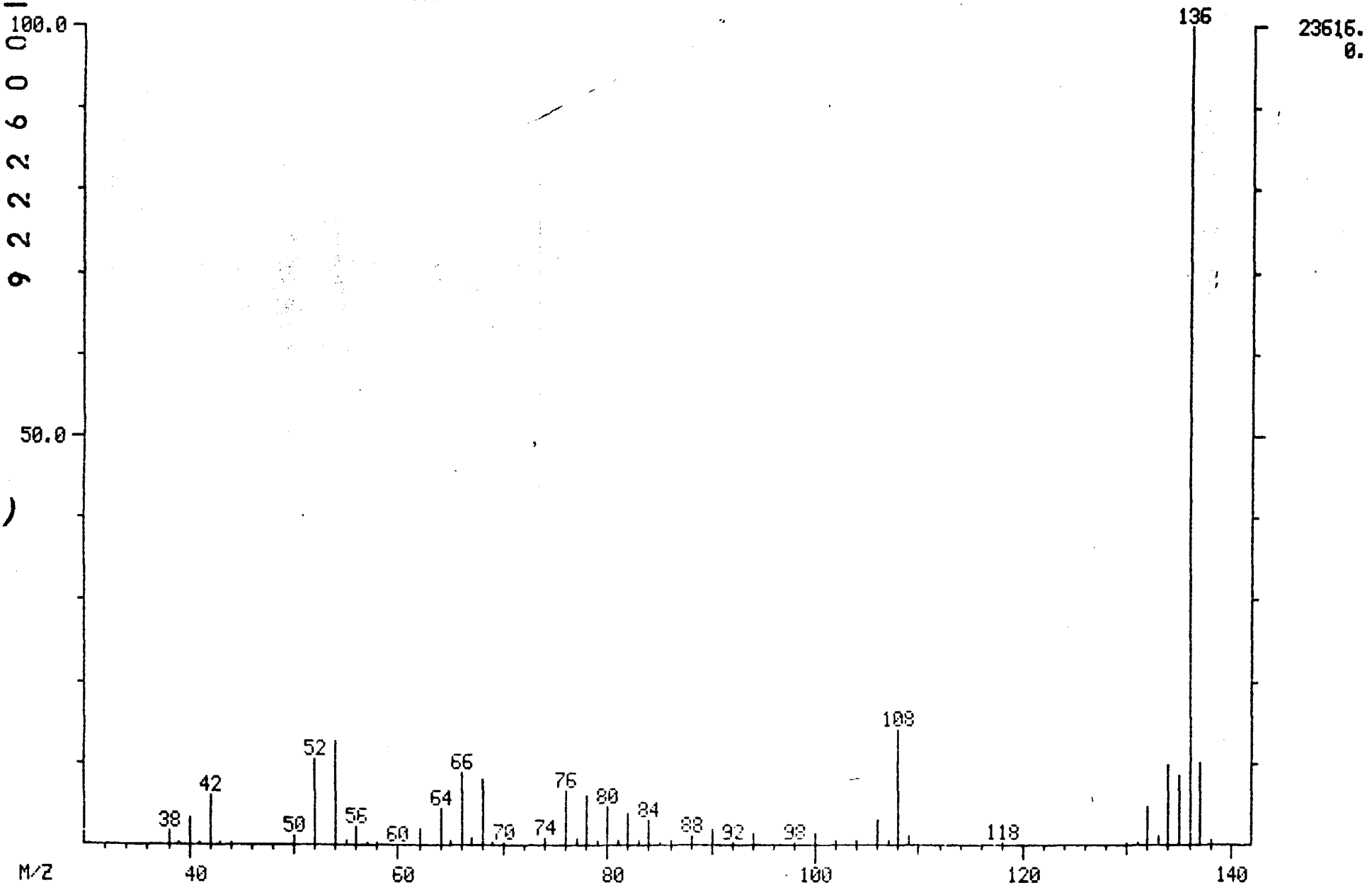


MASS SPECTRUM
04/19/91 19:34:00 + 15:03
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 151 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1518
CALI: APR19VG03 #3

BASE M/Z: 136
RIC: 60480.

001234

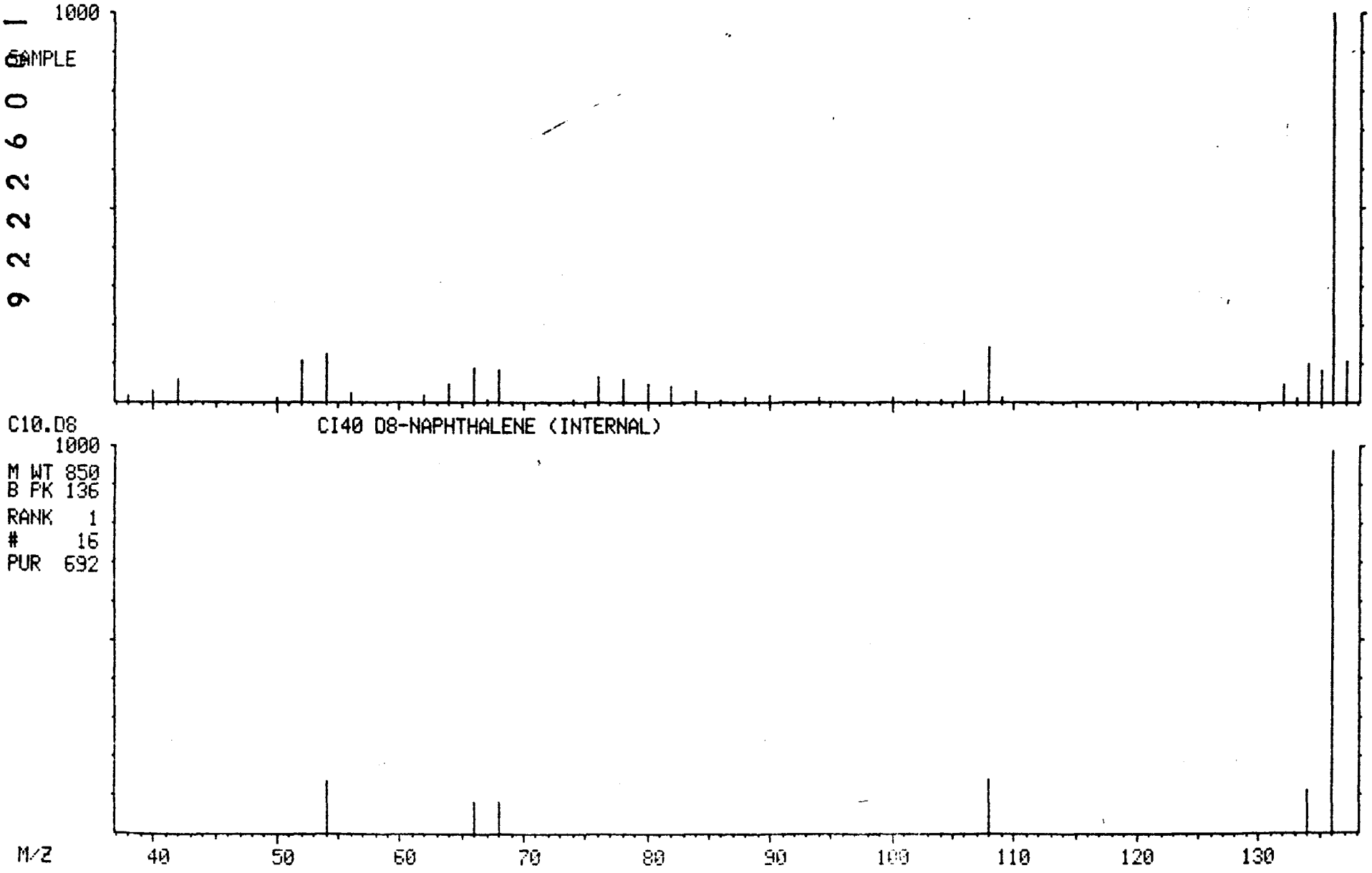


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 15:03
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1518
CALI: APR19VG03 # 3

BASE M/Z: 136
RIC: 58368.

001235

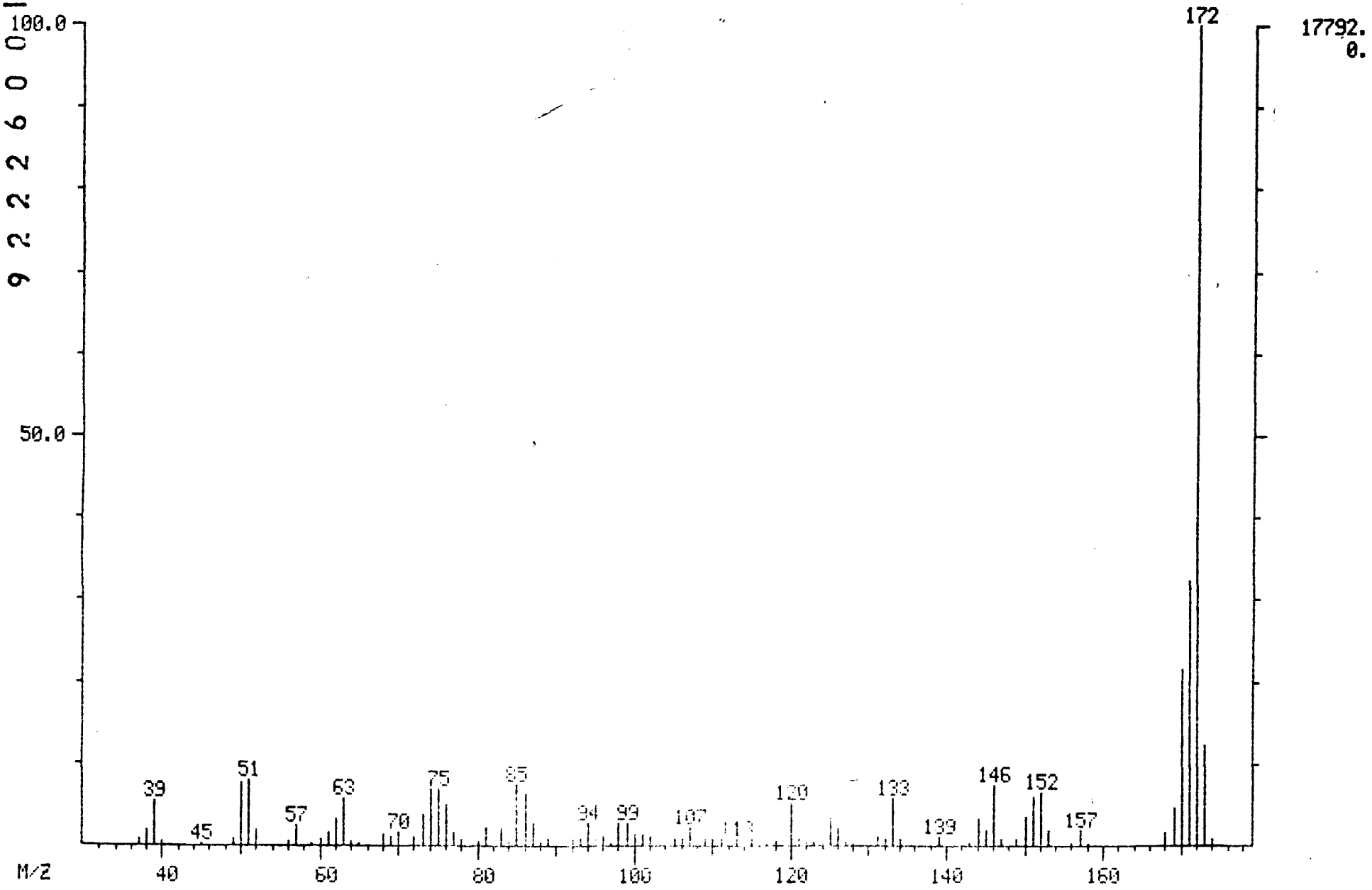


MASS SPECTRUM
04/19/91 19:34:00 + 17:51
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
TEMP: 179 DEG. C
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1800
CALI: APR19VG03 #3

BASE M/Z: 172
RIC: 63296.

001236

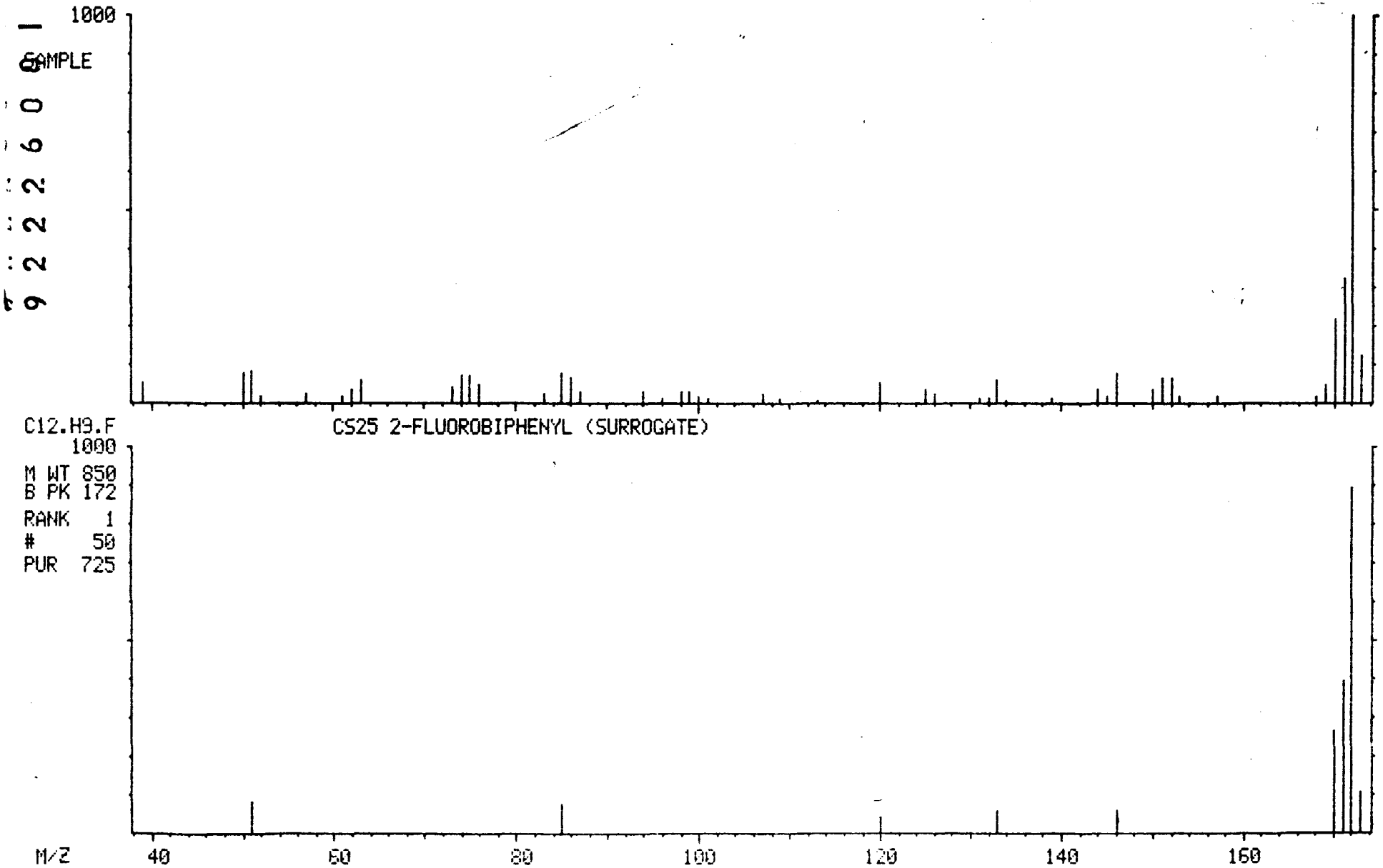


MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 17:51
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1800
CALI: APR19VG03 # 3

BASE M/Z: 172
RIC: 56960.

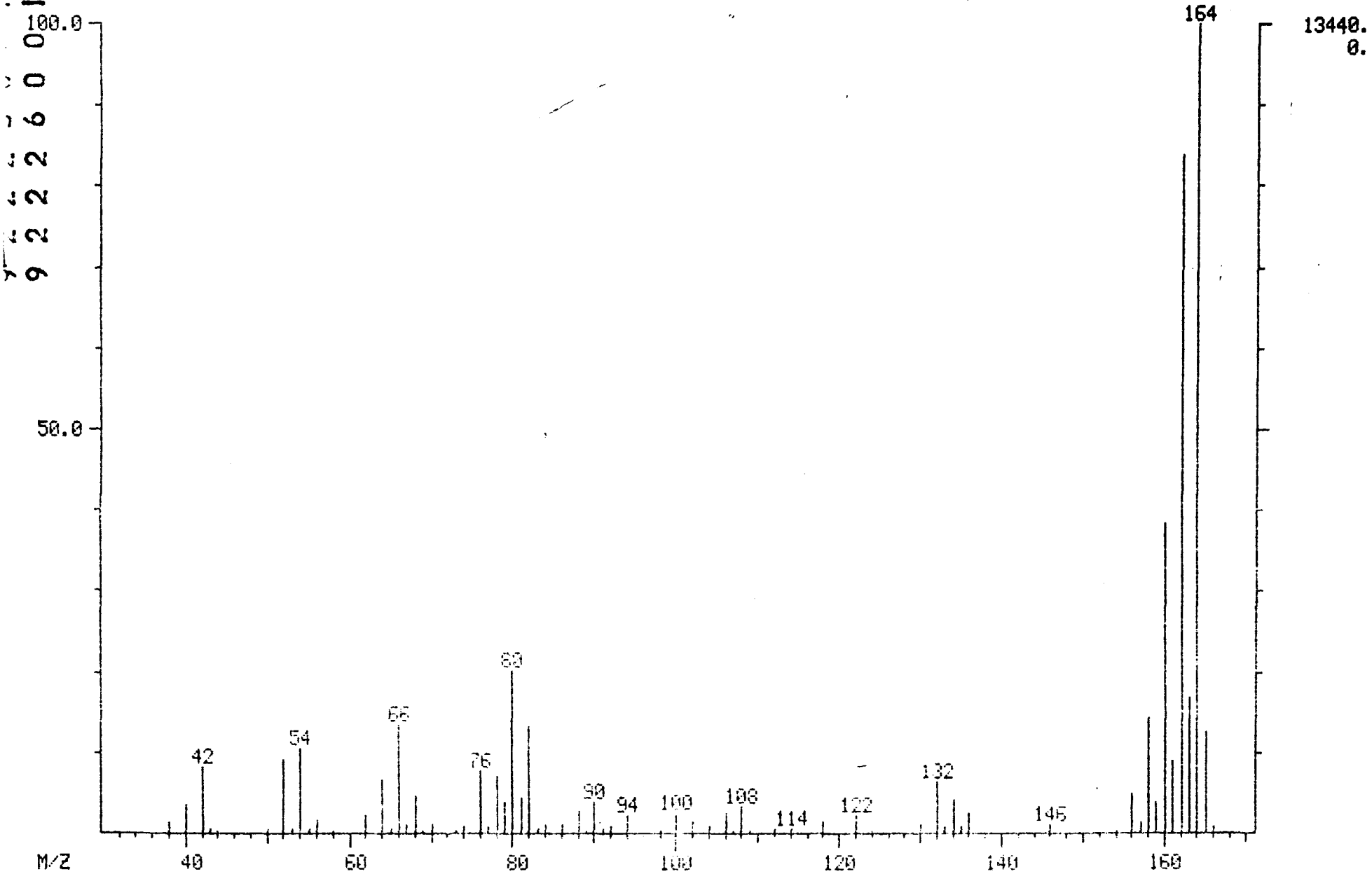
001237



MASS SPECTRUM
04/19/91 19:34:00 + 19:36
SAMPLE: 90900 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: APR19VG03 #1978
CALI: APR19VG03 #3

BASE M/Z: 164
RIC: 61760.



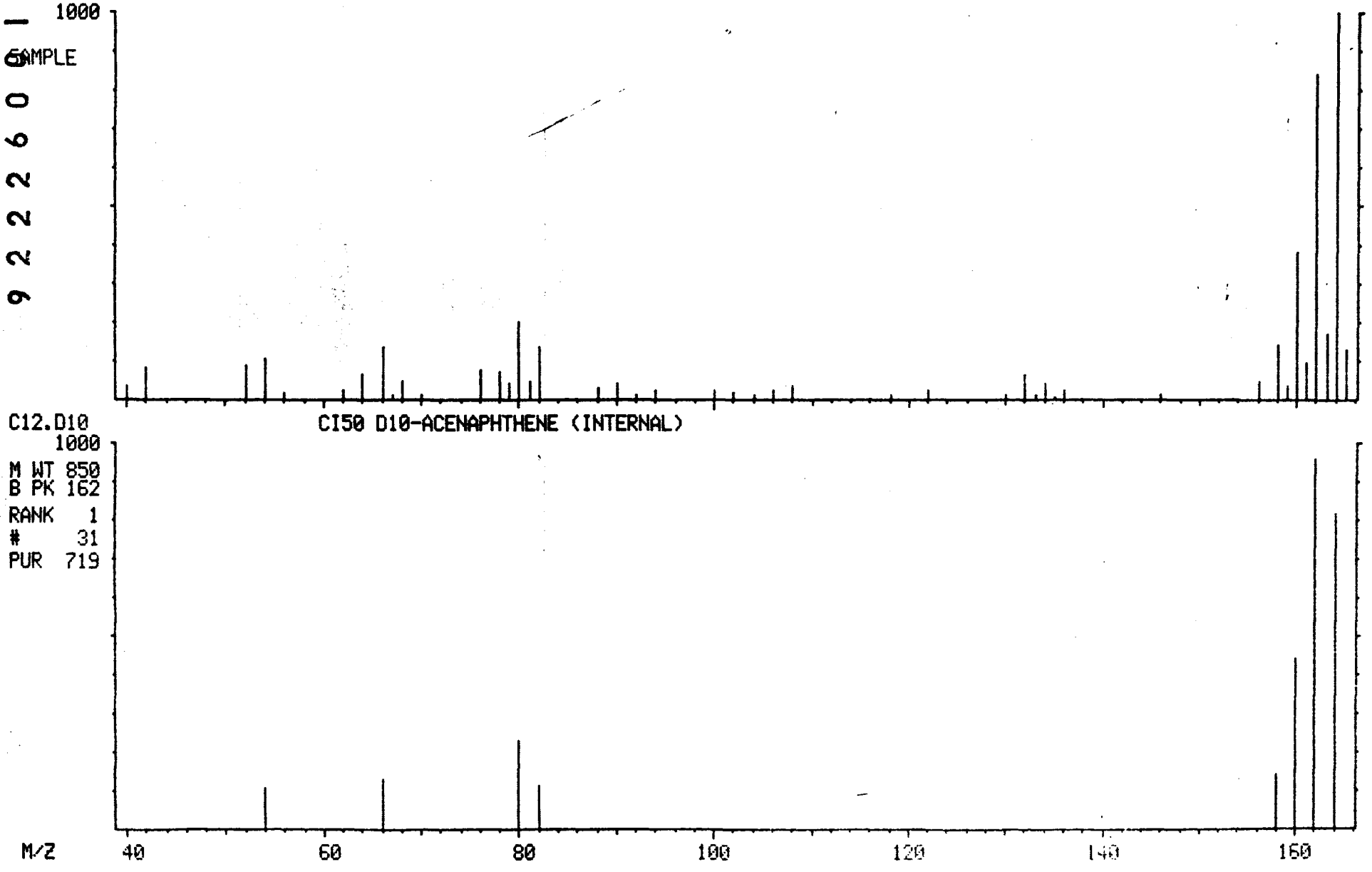
92226001915

001238

MID LIBRARY SEARCH (LIBRARYSW)
04/19/91 19:34:00 + 19:36
SAMPLE: 90900 GPC CLP 1UL.-1.0ML.
CONDS.: 40 TO 270 @ 10 DEG/MIN 30M DB5 CAP.
ENHANCED (S 15B 2N 0T)

DATA: APR19VG03 #1978
CALI: APR19VG03 # 3

BASE M/Z: 164
RIC: 59648.

001239

9222260019916