

c 341

115441

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	9:21	1.00	0.893	1.00	1.13	40.00	0.055	1.943	0.03
11	10:01		0.956			40.00		0.701	
12	11:20		1.083			40.00		0.581	
13	12:03		1.150			40.00		0.896	
14	12:33	1.01	1.199	1.00	1.61	40.00	0.068	1.692	0. (red)
15	13:19		1.272			40.00		1.994	
16	14:38		1.398			40.00		2.010	
17	15:00		1.432			40.00		1.722	
18	15:27		1.476			40.00		0.212	
19	18:00	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
20	16:50		0.935			40.00		0.117	
21	17:02		0.946			40.00		0.650	
22	17:35	1.01	0.977	1.00	0.60	40.00	0.007	0.480	0.02
23	18:09	1.01	1.008	1.00	14.03	40.00	0.318	0.907	0.35
24	18:18	1.00	1.017	0.99	0.72	40.00	0.006	0.351	0.02
25	18:18		1.017			40.00		0.361	
26	18:09		1.008			40.00		0.387	
27	20:50		1.158			40.00		0.384	
28	23:17		1.294			40.00		0.494	
29	23:14	1.00	1.291	1.00	0.03	40.00	0.001	0.749	0.00
30	24:42	1.00	1.373	1.00	12.72	40.00	0.240	0.753	0.32
31	26:02	1.00	1.446	1.00	11.87	40.00	0.303	1.022	0.30
32	28:46		1.599			40.00		0.469	
33	19:22		1.076			40.00		0.246	
34	18:00	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
35	13:13	1.01	0.734	1.00	10.10	10.00	0.261	0.259	1.01
36	24:30	1.00	1.362	1.00	10.68	10.00	0.722	0.676	1.07
37	18:00	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
38	7:53	1.01	0.438	1.00	7.01	299.99	0.001	0.040	0.02
39	13:16	1.02	0.737	1.01	4.27	299.99	0.001	0.067	0.01
40	21:27	1.00	1.192	0.99	0.36	299.99	0.000	0.287	0.00
41	23:02	1.00	1.280	1.00	1.05	299.99	0.001	0.314	0.00
42	8:51	1.00	0.492	0.99	0.23	40.00	0.008	1.311	0.01
43	15:06		0.839			40.00		0.794	
44	34:43		1.929			40.00		1.080	
45	36:45		2.042			40.00		0.667	

ORIGINAL

AR101909

C 342

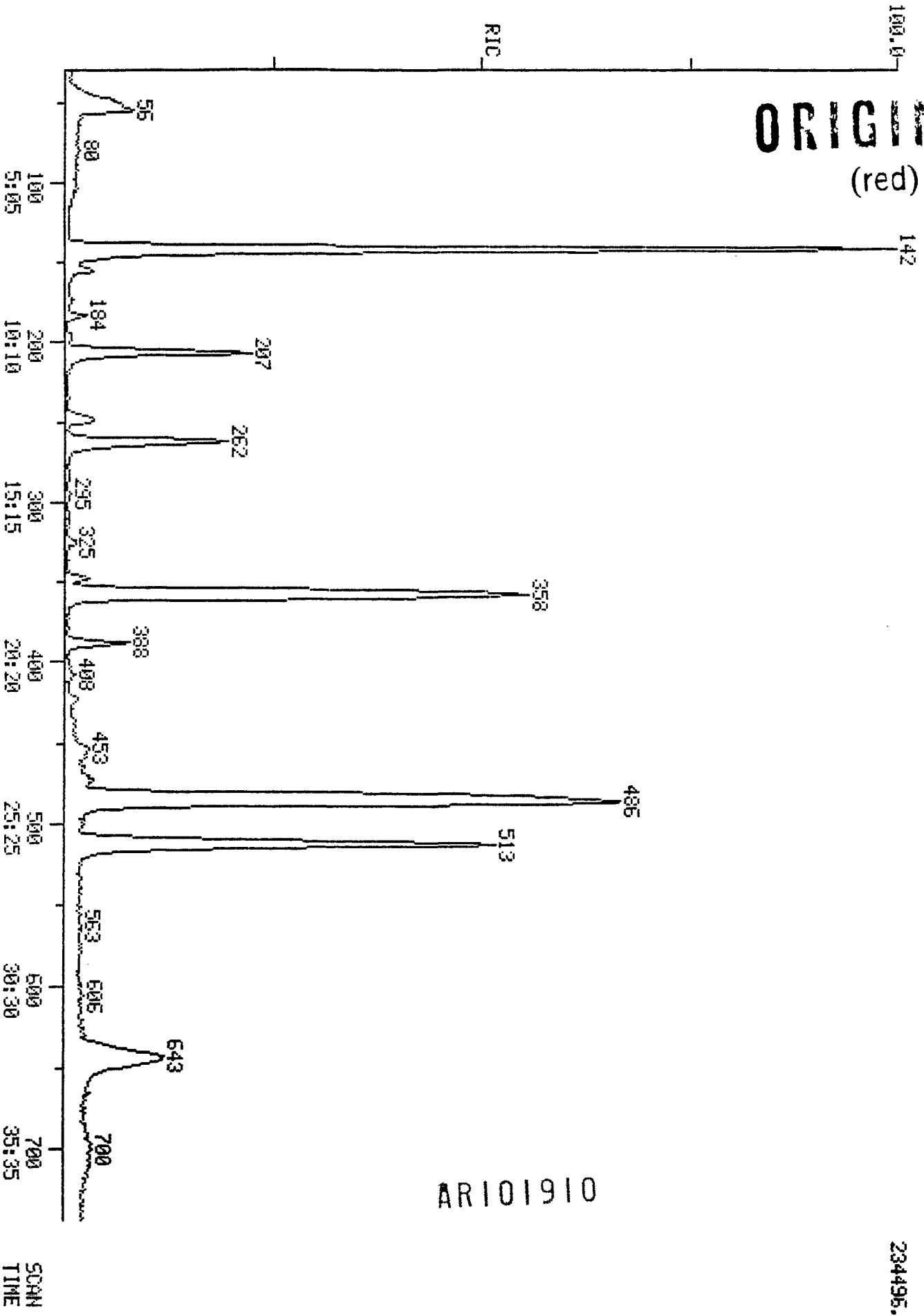
ORIGINAL

(red)

FIG 02/16/88 21:53:09
SAMPLE: EHP 100M#27007+10ML H2O+5UL(7879+7880+7881) SPIKE

HEAD COMPUCHEN DATA: GH027007B12 SCANS 30 TO 744

234495.



AR101910

C 343

ORIGINAL

(red)

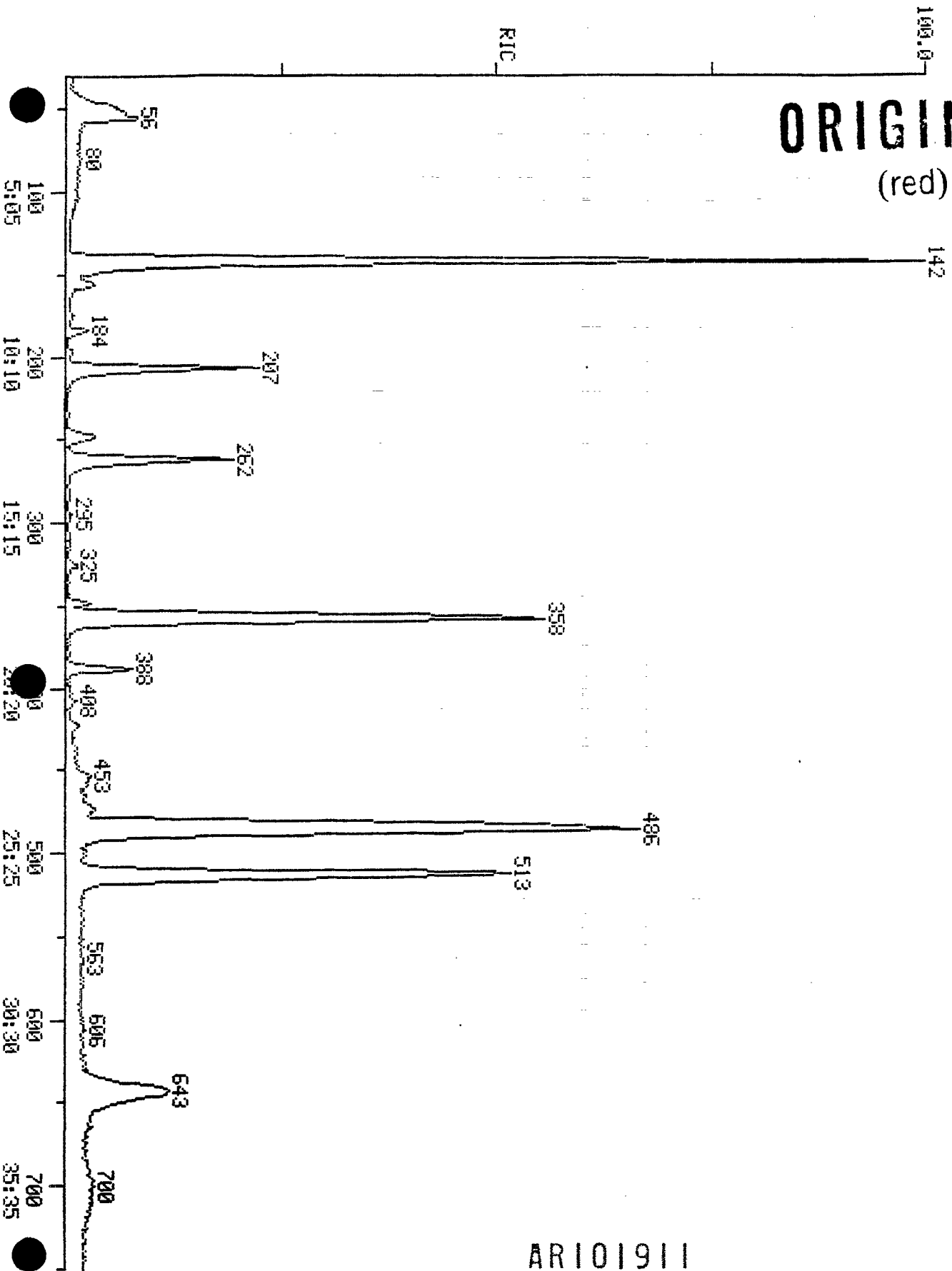
RIC
02/16/83 21:53:00
SAMPLE: EHP 10GM#27007+10ML H2O+5UL (7879+7880+7881) SPIKE

MEAD COMPUCHEN

DATA: GH027007B12

SCANS 30 TO 750

234495.



AR101911

SCAN TIME

c 344

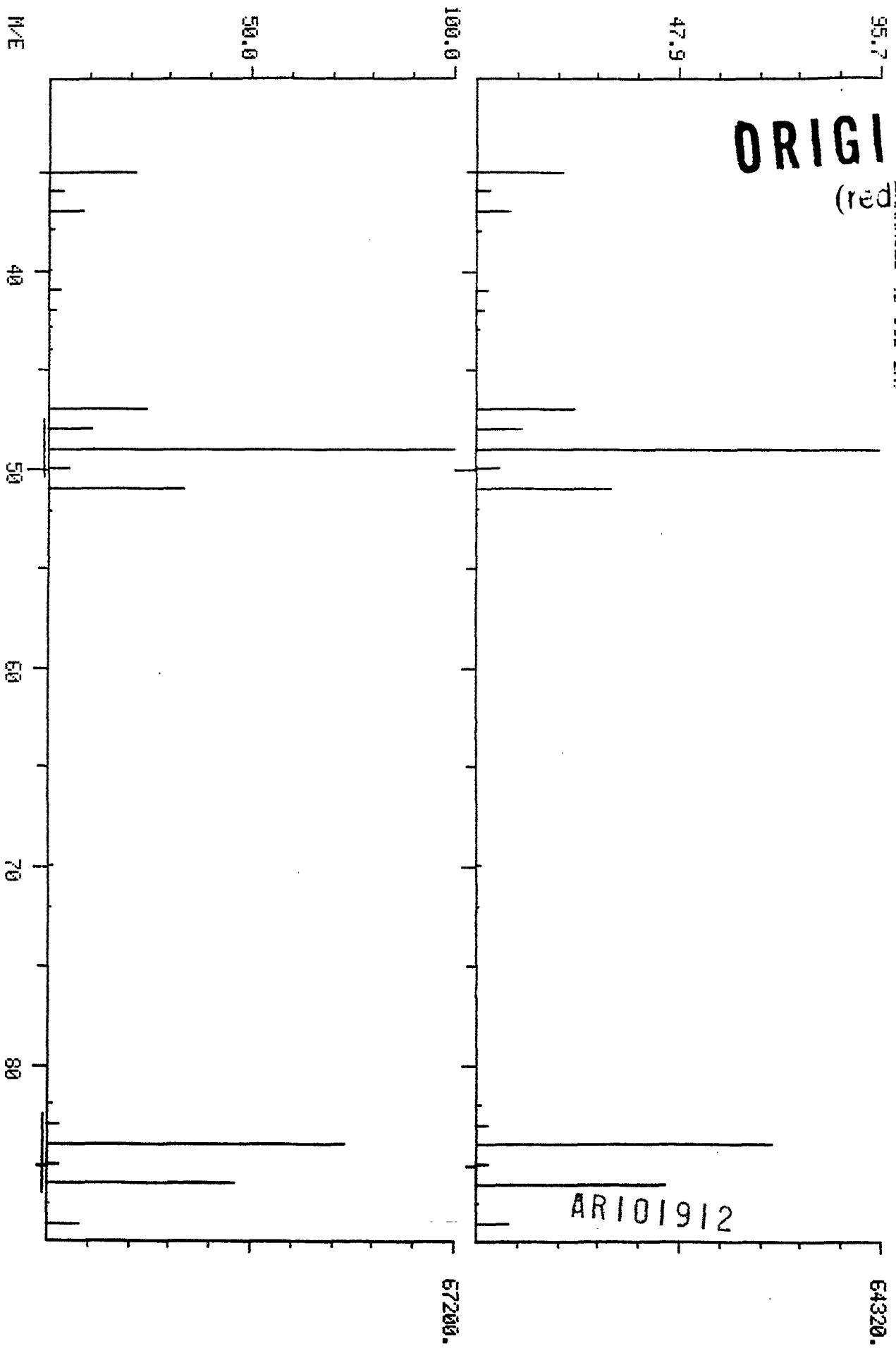
ORIGINAL

DUAL MASS SPECTRUM
02/16/83 21:53:00 + 7:13
SAMPLE: EHP 10GM#27007+10ML H2O+SUL(7879+7880+7881) SPIKE
ENHANCED (5 158 2N)

MEHD COMPUTER

DATA: GH027007B12 #142

BASE M/E: 49/ 49
RIC: 225023./ 235007.



345

ORIGINAL

(red)

DUAL MASS SPECTRUM
02/15/83 21:53:00 + 12:39
SAMPLE: EHP 10GM#27007+10ML H2O+SUL (7879+7880+7881) SPIKE
ENHANCED (S 158 2N)

MEAD COMPUTER

DATA: GH027007B12 #249

BASE M/E: 83/ 83.
RIC: 6415./ 8223.

M/E

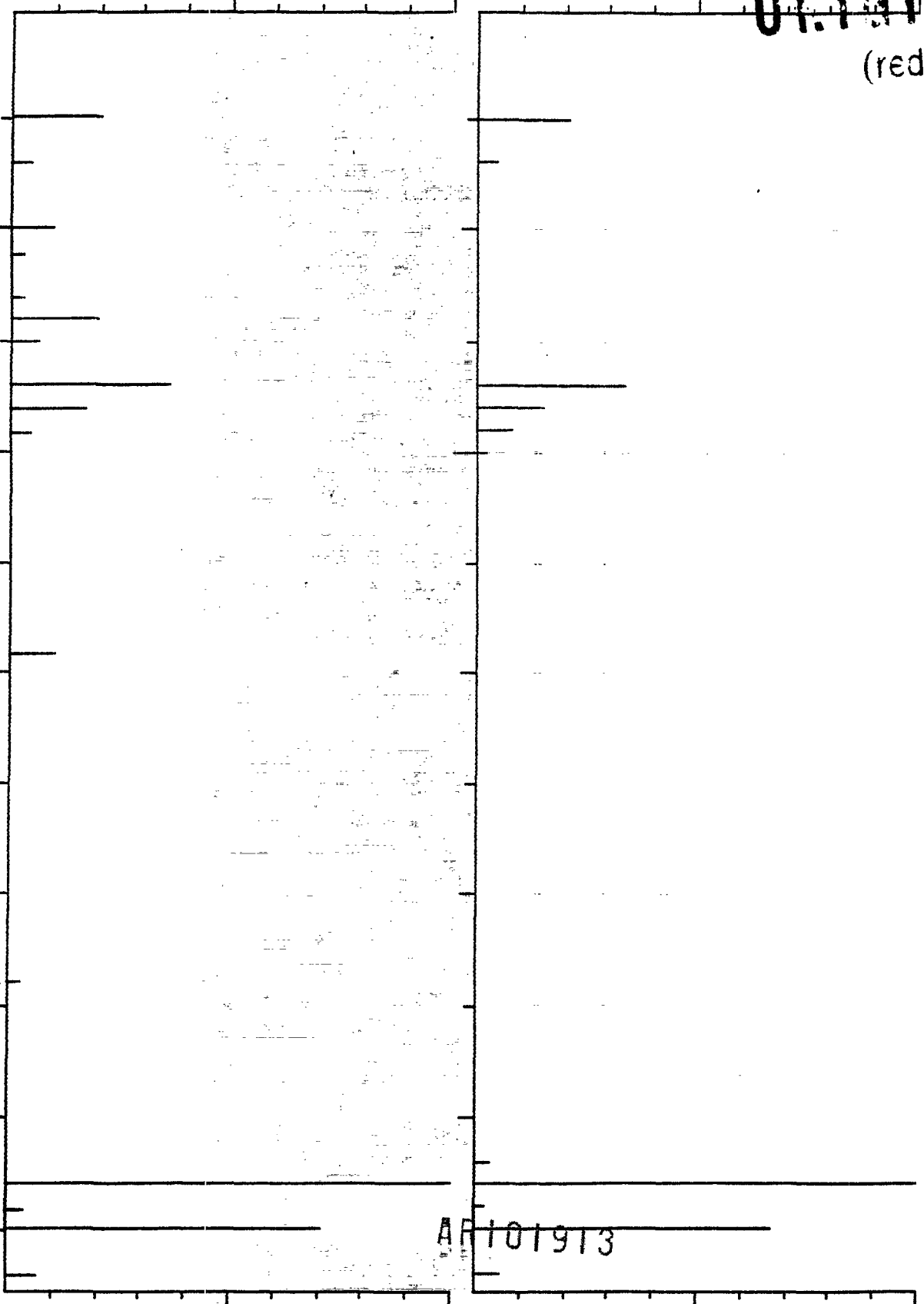
40

50

60

70

80



50.0

100.0

47.3

84.1

2588.

2448.

C 3+6

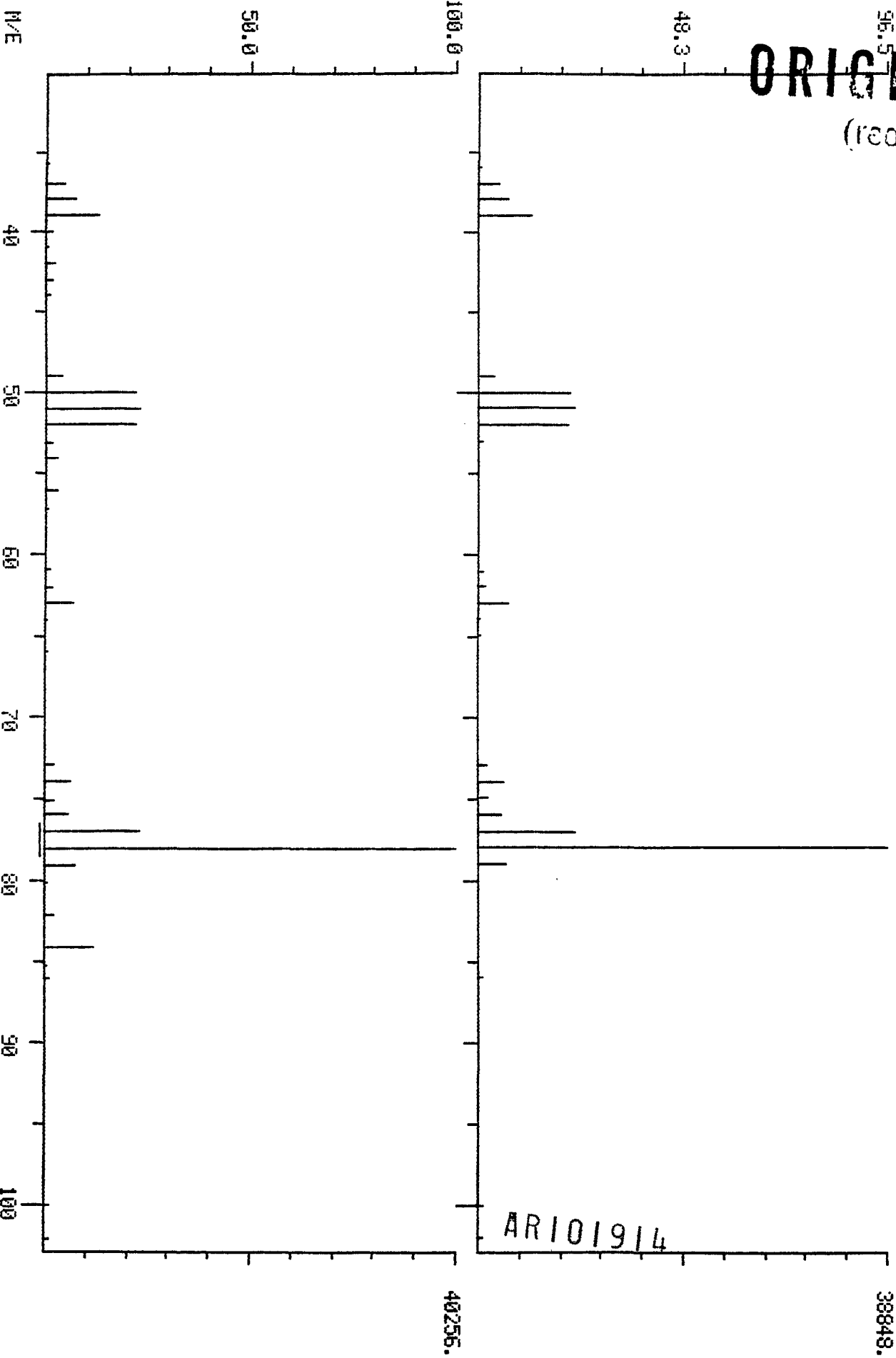
ORIGINAL

(red)

DUAL MASS SPECTRUM
02/16/88 21:53:00 + 13:15
SAMPLE: EHP 100GM#27007+10ML H2O+5UL (7879+7880+7881) SPIKE
ENHANCED (S 15B 2N)

HEAD COMPUCHEM

DATA: GH027007B12 #359 BASE M/E: 78/ 78
RIC: 101119. / 115455.



C 3 4 1

ORIGINAL

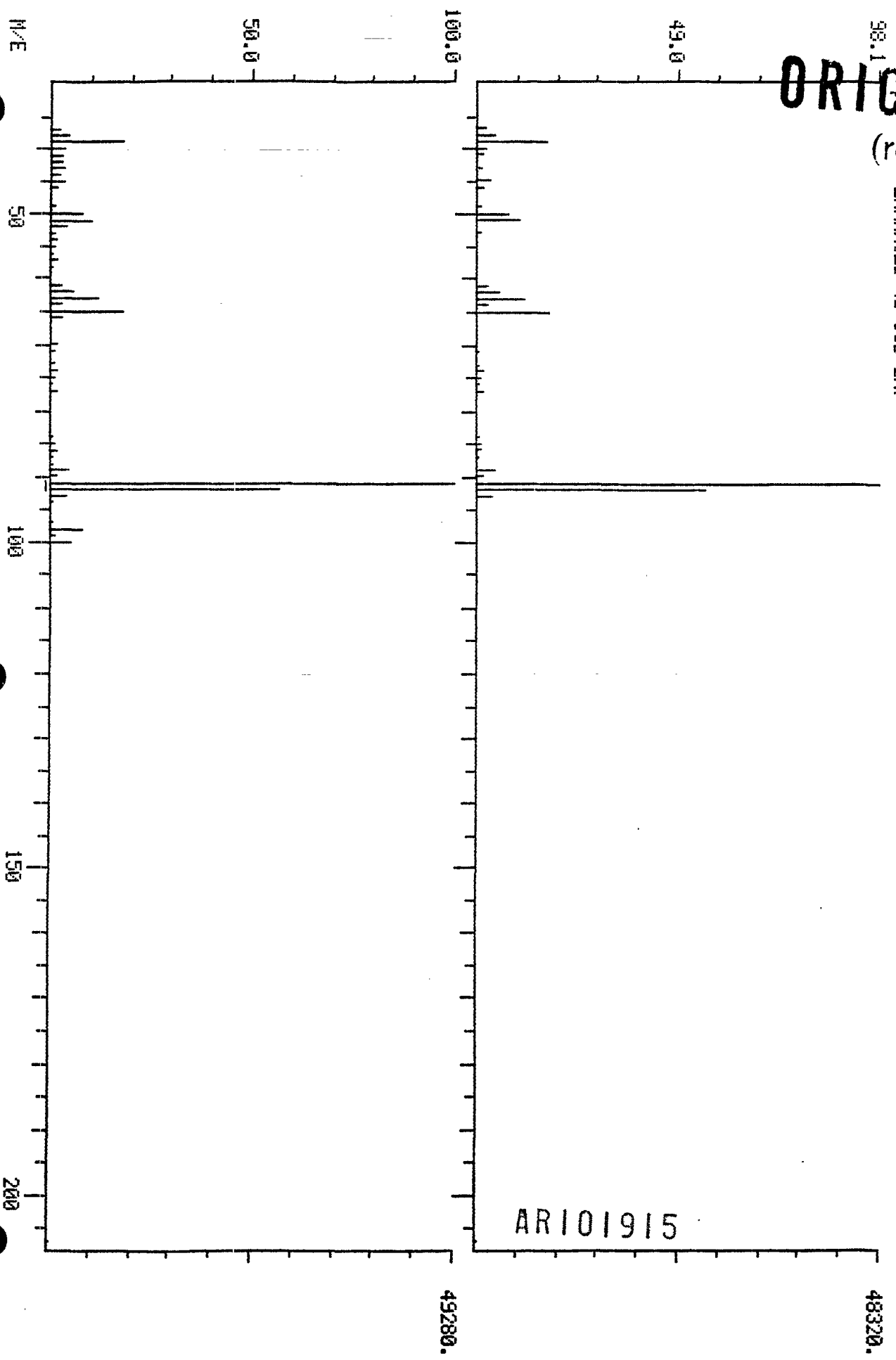
(red)

DUAL MASS SPECTRUM
02/16/83 21:53:00 + 24:45
SAMPLE: EHP 100M#27007+10ML H2O+50L (7879+7880+7881) SPIKE
ENHANCED (S 15B 2H)

MEHD COMPUCHEN

DATA: GH027007B12 #487

BASE M/E: 91 / 91
RIC: 131839. / 155391.



AR101915

48320.

49280.

c 348

ORIGINAL

(red)

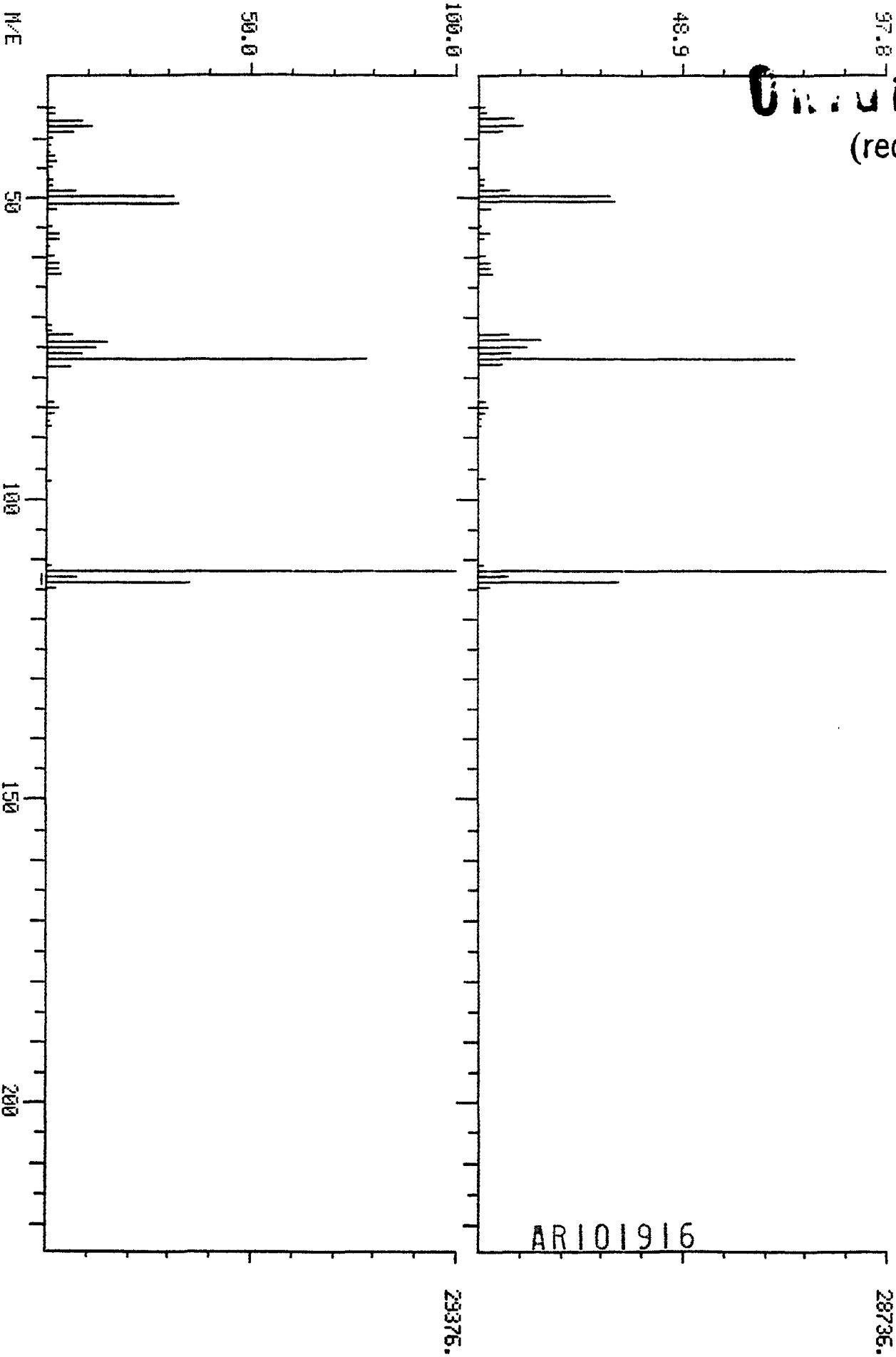
DUAL MASS SPECTRUM
02/16/83 21:53:00 + 25.05
SAMPLE: EHP 10CM#27007+10ML H2O+5UL(7879+7880+7881) SPIKE
ENHANCED (S 158 2N)

HEAD COMPUCHEM

DATA: GH027007B12 #513

BASE M/E: 112/ 112

RIC: 115071./ 120831.



AR101916

ORIGINAL

(red)

LIBRARY SEARCH
02/16/83 21:53:00 + 32:41
SAMPLE: EHP 10GM#27007+10ML H2O+SUL (7879+7880+7881) SPIKE

HEAD COMPUCHEM

DATA: GH027007812 # 643

BASE M/E: 207
RIC: 27647

ARI0191

06.H18.03.513

M WT 1145
B PK 207
RANK 1
IN 2769
PUR 973

CYCLOTRISILOXANE, HEXAMETHYL- CAS# 541-05-9

C10.H30.03.514

M WT 1145
B PK 207
RANK 2
IN 1719
PUR 770

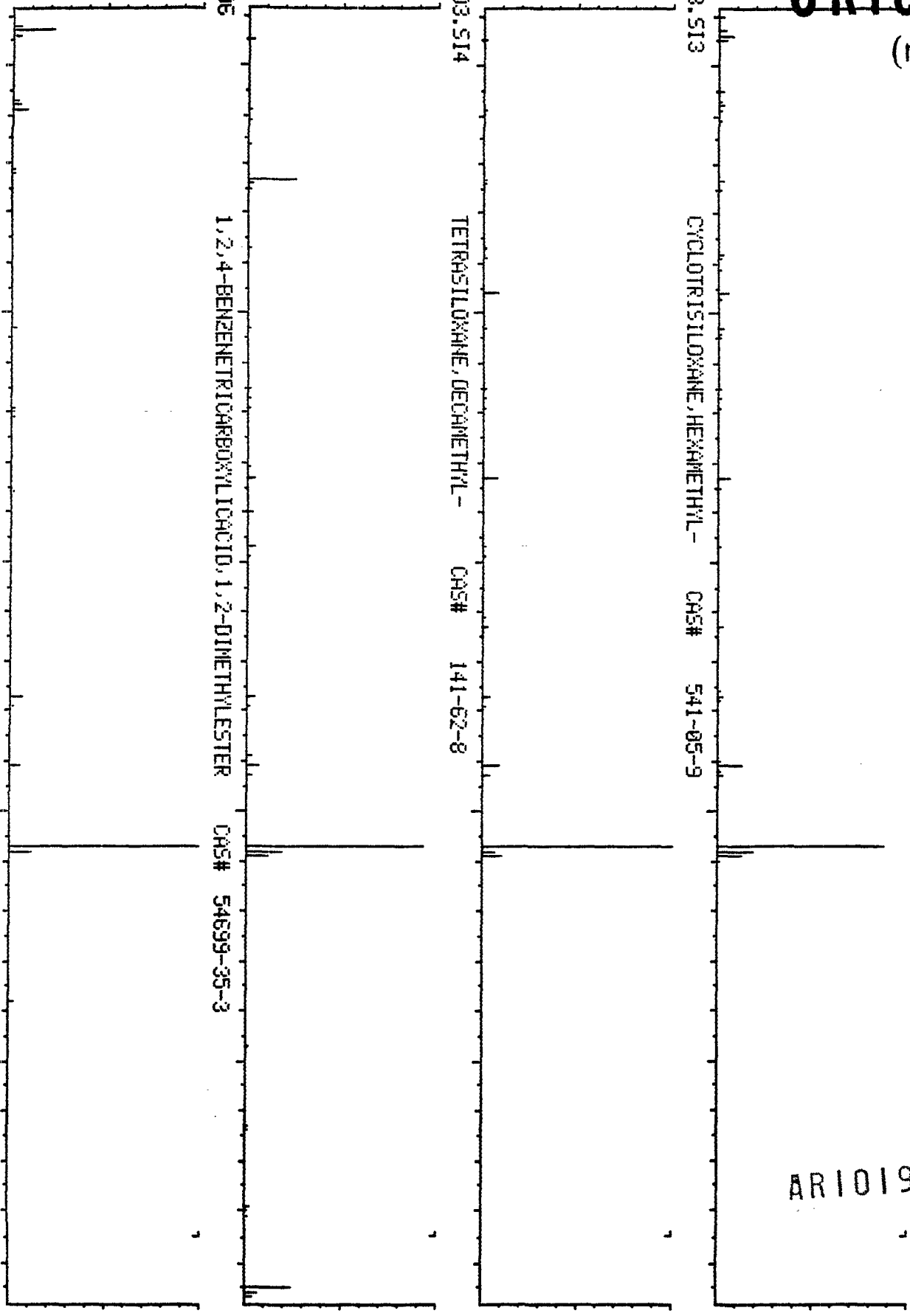
TETRASILOXANE, DECANETHYL- CAS# 141-62-8

C11.H10.05

M WT 1145
B PK 207
RANK 3
IN 26971
PUR 698

1,2,4-BENZENETRICARBOXYLIC ACID, 1,2-DIMETHYLESTER CAS# 54699-35-3

M/E 50 100 150 200 250



C 3 4 1

Laboratory Name Mead CompuChem
 Lab Sample ID No. Blank 27126
 Associated Samples 23890

Case Number 1439
 QC Report No. 134-69

ORIGINAL

Multiply Detection Limits by 1 or 10 or

(red)

(Check Box for Appropriate Factor)

VOLATILES

<u>PP#</u>	<u>CASE#</u>		<u>ug/kg</u>
(2V)	107-02-8	acrolein	50U
(3V)	107-13-1	acrylonitrile	50U
(4V)	71-43-2	benzene	2.5U
(6V)	56-23-5	carbon tetrachloride	2.5U
(7V)	108-90-7	chlorobenzene	2.5U
(10V)	107-06-2	1,2-dichloroethane	2.5U
(11V)	71-55-6	1,1,1-trichloroethane	2.5U
(13V)	75-34-3	1,1-dichloroethane	2.5U
(14V)	79-00-5	1,1,2-trichloroethane	2.5U
(15V)	79-34-5	1,1,2,2-tetrachloroethane	2.5U
(16V)	75-00-3	chloroethane	2.5U
(19V)	110-75-8	2-chloroethylvinyl ether	2.5U
(23V)	67-66-3	chloroform	2.5U
(29V)	75-35-4	1,1-dichloroethene	2.5U
(30V)	156-60-5	1,2-trans-dichloroethene	2.5U
(32V)	78-87-5	1,2-dichloropropane	2.5U
(33V)	10061-02-6	trans-1,3-dichloropropene	2.5U
	10061-01-05	cis,1,3-dichloropropene	5U
(38V)	100-41-4	ethylbenzene	2.5U
(44V)	75-09-2	methylene chloride	2.5U
(45V)	74-87-3	chloromethane	2.5U
(46V)	74-83-9	bromomethane	2.5U
(47V)	75-25-2	bromoform	2.5U
(48V)	75-27-4	bromodichloromethane	2.5U
(49V)	75-69-4	fluorotrchloromethane	2.5U
(50V)	75-71-8	dichlorodifluoromethane	NA
(51V)	124-48-1	chlorodibromomethane	2.5U
(85V)	127-18-4	tetrachloroethane	2.5U
(86V)	108-88-3	toluene	2.5U
(87V)	79-01-6	trichloroethane	2.5U
(88V)	75-01-4	vinyl chloride	2.5U

LT (QC)

(Non-Priority Pollutant Hazardous Substances)

67-64-1	acetone	50U
78-93-3	2-butanone	100U
75-15-0	carbonylsulfide	5U
519-78-6	2-hexanone	50U
108-10-1	4-methyl-2-pentanone	50U
100-42-5	styrene	2.5U
108-05-4	vinyl acetate	5U
95-47-6	o-xylene	2.5U

AR101918

LAB NAME

(red)

LAB SAMPLE I.D.#

27126

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE #

[Empty box for sample number]

AR101920

ITEM NUMBER	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	PURITY %	ESTIMATE CONC. (ug/l)
1			-NONE-	VDA		
2				VDA		
3				VDA		
4				VDA		
5				VDA		
6				VDA		
7				VDA		
8				VDA		
9				VDA		
10				VDA		

2-352

C-353

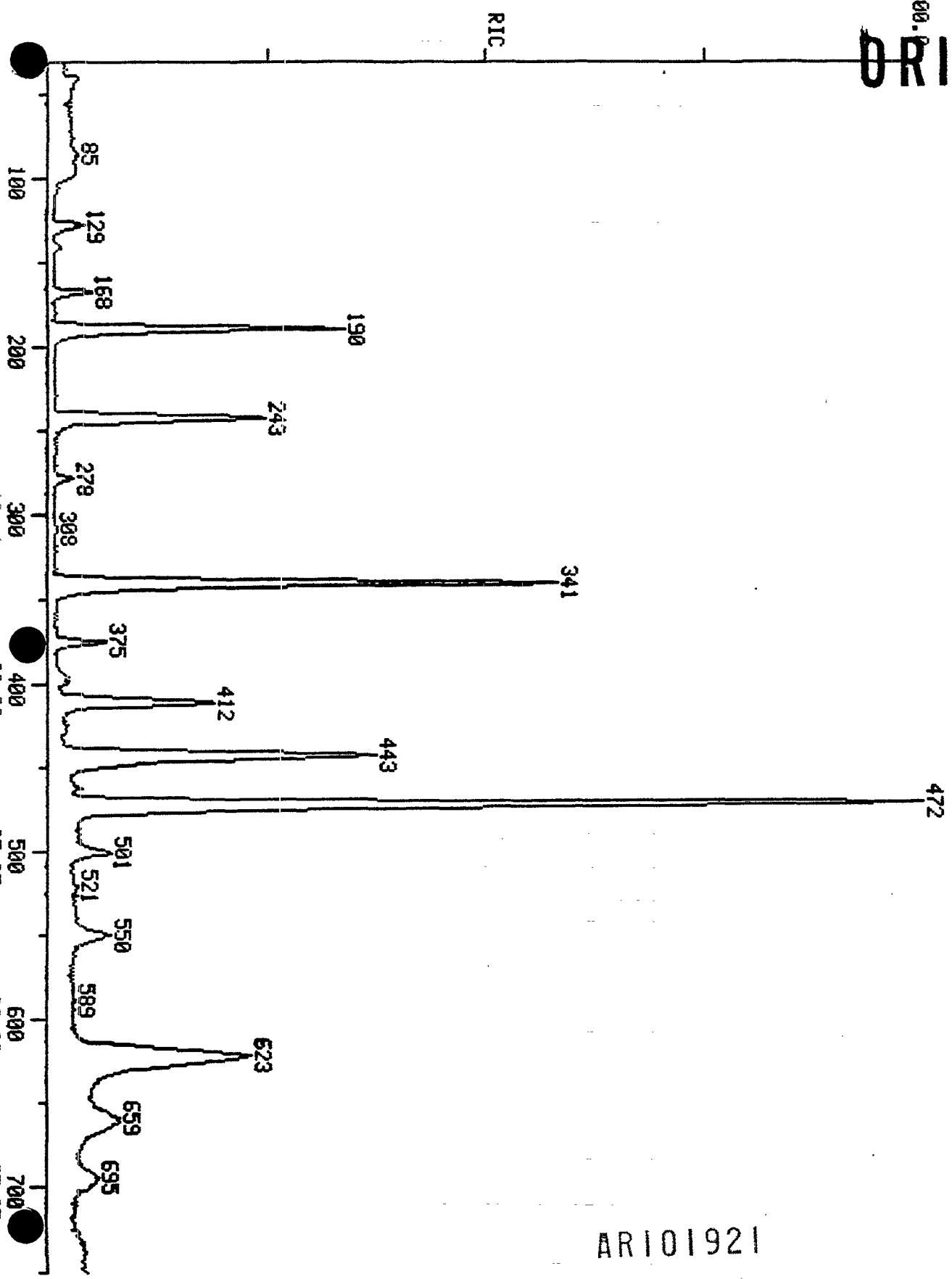
100.0
ORIGIN
(red)

RIC
02/17/83 12:03:00
SAMPLE: 10 ML SAMPLE #27126 + 5 UL 7879&7880 ON #13

MEAD COMPUTHER
DATA: GH027126A13

SCANS 30 TO 750

192255.



ARI01921

SCAN

C-354

ORIGIN

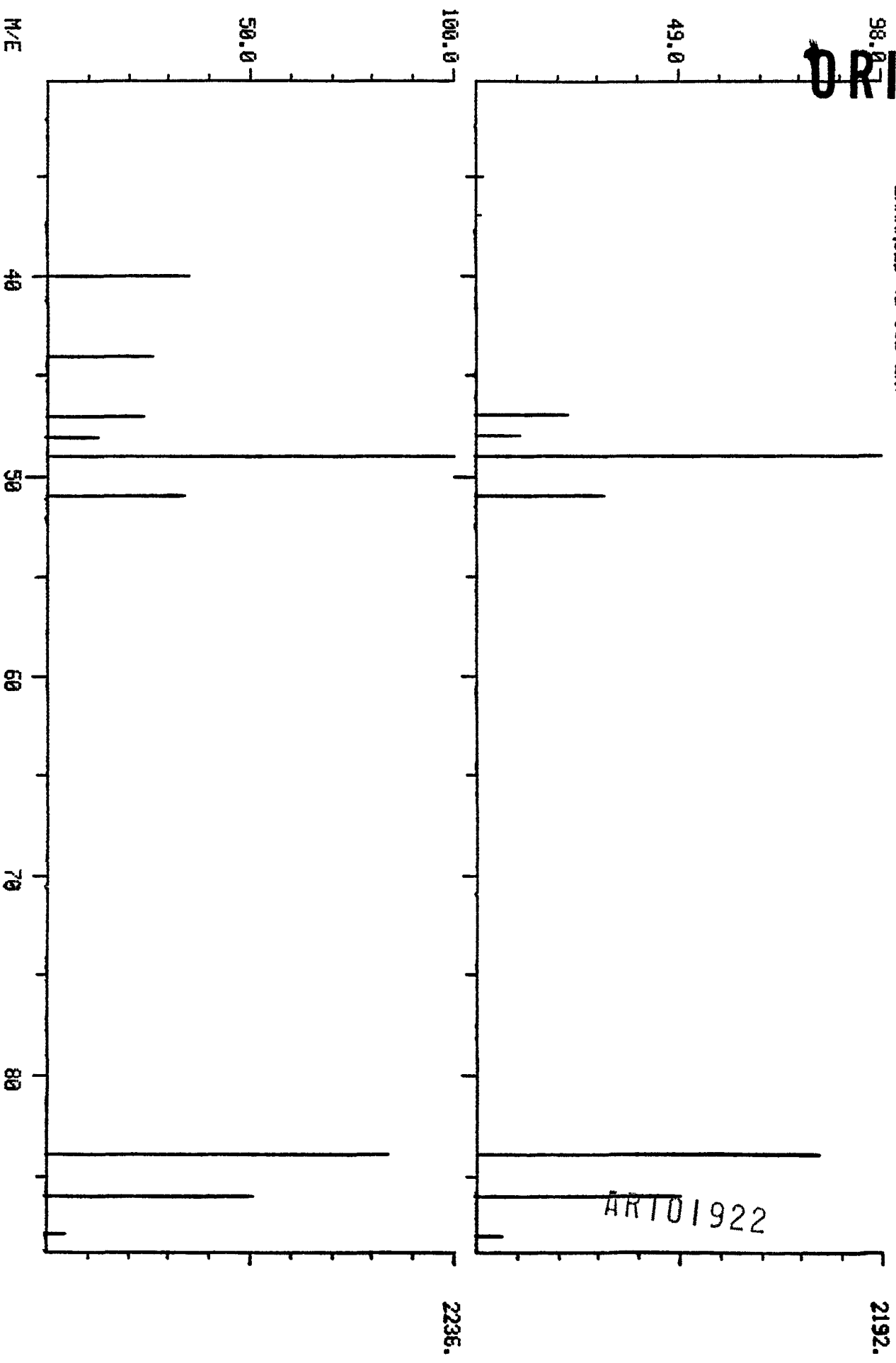
(red)

DUAL MASS SPECTRUM
02/17/83 12:03:00 + 6:33
SAMPLE: 10 ML SAMPLE #27126 + 5 UL 7879&7880 ON #13
ENHANCED (S 15B 2N)

MEAD COMPUTCHEM

DATA: GH027126A13 #129

BASE M/E: 49 / 49
RIC: 6759, / 8255.



C 355

PROCEDURE: RK
ATA FILE: GH027126A13
REFERENCE: LOWS
METHOD: LOWS
REPORT: LOWSS1

DIAGNOSTIC REPORT

2/17/83 12:37:37

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

ORIGINAL

(red)

STANDARDS				PLUS UNKNOWN				LIST NAMES			
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN			
2	2	1	0	23	9	8	54	LOWSS1/LOWSU1			
2	2	1	0	22	17	64	73	LOWSS2/LOWSU2			

45 COMPOUNDS PROCESSED, 26 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	VQ	1	190	190	190	.	1	963	.	130	190	.	1
2	VU	2	243	242	242	.	1	996	.	67	242	.	1
3	VQ	2	36	36	.	.	.	.	.	50	.	.	.
4	VQ	3	71	71	.	.	.	.	.	62	.	.	.
5	VQ	4	92	92	.	.	.	.	.	64	.	.	.
6	VQ	5	56	56	.	.	.	.	.	94	.	.	.
7	VQ	6	142	142	.	.	.	.	.	56	.	.	.
8	VQ	7	155	155	.	.	.	.	.	53	.	.	.
9	VR	1	190	189	190	1	1	963	.	130	190	.	1
10	VR	2	130	130	129	-1	1	984	.	84	129	.	1
11	VR	3	169	169	168	-1	1	998	.	101	168	.	1
12	VR	4	182	182	.	.	.	.	.	96	.	.	.
13	VR	5	206	205	.	.	.	.	.	65	.	.	.
14	VR	6	219	218	.	.	.	.	.	96	.	.	.
15	VR	7	230	229	.	.	.	.	.	83	229	.	1
16	VR	8	244	243	.	.	.	.	.	62	.	.	.
17	VR	9	271	270	.	.	.	.	.	97	.	.	.
18	VR	10	279	278	278	.	1	998	.	117	278	.	1
19	VR	11	288	287	.	.	.	.	.	127	.	.	.
20	VV	2	141	141	141	.	1	992	.	58	141	.	1
21	VV	3	244	243	244	1	2	985	.	72	244	.	1
22	VV	6	159	159	.	.	.	.	.	76	.	.	.
23	VV	7	282	281	281	.	4	956	.	43	281	.	1
24	VS	1	342	341	341	.	1	993	.	84	341	.	1
25	VU	3	475	472	472	.	1	1000	.	100	472	.	1
26	VS	2	317	316	.	.	.	.	.	65	.	.	.
27	VS	3	322	321	321	.	2	771	.	75	.	.	.
28	VS	4	334	333	.	.	.	.	.	130	.	.	.
29	VS	5	345	344	342	-2	1	994	.	78	342	.	1
30	VS	6	348	347	347	.	1	990	.	75	349	2	2
31	VS	7	348	347	.	.	.	.	.	97	346	.	2
32	VS	8	345	344	343	-1	2	975	.	127	342	-1	1
33	VS	9	401	399	400	1	1	997	.	173	399	-1	1
34	VS	10	450	448	448	.	1	999	.	164	448	.	1
35	VS	11	449	447	446	-1	1	982	.	83	447	1	1
36	VS	12	478	475	476	1	1	998	.	92	476	.	1
37	VS	13	504	501	501	.	2	999	.	112	501	.	1
38	VS	14	555	551	551	.	2	997	.	106	551	.	1
39	VS	15	371	370	.	.	.	.	.	63	.	.	.
40	VU	1	342	341	341	.	1	993	.	84	341	.	1
41	VV	1	342	341	341	.	1	993	.	84	341	.	1
42	VV	4	413	411	412	1	2	997	.	58	412	.	1
43	VV	5	445	443	443	.	2	989	.	58	443	.	1
44	VV	8	666	661	660	-1	1	996	.	104	661	1	1
45	VV	9	702	696	.	.	.	.	.	106	696	.	3

101923

C 356

MEAD COMPUCHEM

JANTITATION REPORT

FILE: GH027126A13

ATA: GH027126A13.TI

2/17/83 12:03:00

SAMPLE: 10 ML SAMPLE #27126 + 5 UL 7879&7880 ON #13

UBMITTED BY: #13

ANALYST: SWB

ORIGINAL

(red)

OUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT))* RESP. FACT)

ESP. FAC. FROM LINEAR FIT TO WHOLE .RL

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

AR101924

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

IO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	190	9:39	1	1.000	A BV	54999.	10.000 UG/KG	10.15
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	130	190	9:39	8	1.000	A BV	54999.	10.000 UG/KG	10.15
9	84	129	6:33	8	0.679	A BB	7919.	2.215 UG/KG	2.25
10	101	168	8:32	8	0.884	A BB	17820.	0.925 UG/KG	0.94
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	83	229	11:38	8	1.205	A BB	517.	0.036 UG/KG	0.04
15	NOT FOUND								
16	NOT FOUND								
17	117	278	14:08	8	1.463	A BB	5784.	0.361 UG/KG	0.37
18	NOT FOUND								
19	84	341	17:20	19	1.000	A BV	216851.	10.000 UG/KG	10.15
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	78	342	17:23	19	1.003	A BB	5046.	0.241 UG/KG	0.24
24	75	349	17:44	19	1.023	A*BB	524.	0.065 UG/KG	0.07
25	97	346	17:35	19	1.015	A*BB	385.	0.046 UG/KG	0.05
26	127	342	17:23	19	1.003	A BB	364.	0.032 UG/KG	0.03
27	173	399	20:17	19	1.170	A BB	4093.	0.419 UG/KG	0.43
28	164	448	22:46	19	1.314	A BB	4984.	0.371 UG/KG	0.38
29	83	447	22:43	19	1.311	A BV	11372.	0.851 UG/KG	0.86
30	92	476	24:12	19	1.396	A BB	16930.	0.848 UG/KG	0.86
31	112	501	25:28	19	1.469	A BB	17407.	0.656 UG/KG	0.67
32	106	551	28:01	19	1.616	A BB	9029.	0.652 UG/KG	0.66
33	NOT FOUND								
34	84	341	17:20	34	1.000	A BV	216851.	10.000 UG/KG	10.15
35	67	242	12:18	34	0.710	A BV	39777.	8.330 UG/KG	8.45
36	100	472	24:00	34	1.384	A BV	174222.	9.555 UG/KG	9.70
37	84	341	17:20	37	1.000	A BV	216851.	10.000 UG/KG	10.15
38	58	141	7:10	37	0.413	A BB	610.	1.417 UG/KG	1.44
39	72	244	12:24	37	0.716	A BB	2684.	3.445 UG/KG	3.50
40	58	412	20:57	37	1.208	A VV	21895.	5.037 UG/KG	5.11
41	58	443	22:31	37	1.299	A BV	57118.	11.892 UG/KG	12.07
42	NOT FOUND								
43	43	281	14:17	37	0.824	A BB	330.	0.028 UG/KG	0.03
44	104	661	33:36	37	1.938	A BV	21612.	0.772 UG/KG	0.78
45	106	696	35:23	37	2.041	A*VV	8498.	0.364 UG/KG	0.37

ORIGIN

(red)

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:43	0.99	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	1:47		0.183			60.00		0.540	
3	3:30		0.361			60.00		0.763	
4	4:34		0.471			60.00		0.475	
5	2:45		0.283			60.00		1.043	
6	7:16		0.749			599.99		0.082	
7	7:56		0.817			599.99		0.249	
8	9:43	0.99	1.000	1.00	10.00	10.00	1.000	1.000	1.00
9	6:36	0.99	0.681	1.00	2.22	60.00	0.024	0.650	0.04

ORIGIN 1925

ORIGIN

	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. CHG	RATIO
0	8:38	0.99	0.890	0.99	0.92	60.00	0.054	3.505	0.02
1	9:18		0.958			60.00		0.739	(red)
2	10:31		1.084			60.00		0.495	
3	11:14		1.157			60.00		0.924	
4	11:45	0.99	1.209	1.00	0.04	60.00	0.002	2.606	0.00
5	12:30		1.288			60.00		2.277	
6	13:50		1.424			60.00		2.588	
7	14:14	0.99	1.466	1.00	0.36	60.00	0.018	2.909	0.01
8	14:41		1.513			60.00		0.249	
9	17:23	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
10	16:10		0.930			60.00		0.088	
11	16:25		0.944			60.00		0.646	
12	16:59		0.977			60.00		0.489	
13	17:32	0.99	1.009	0.99	0.24	60.00	0.004	0.964	0.00
14	17:41	1.00	1.018	1.01	0.06	60.00	0.000	0.375	0.00
15	17:41	0.99	1.018	1.00	0.05	60.00	0.000	0.386	0.00
16	17:32	0.99	1.009	0.99	0.03	60.00	0.000	0.530	0.00
17	20:20	1.00	1.170	1.00	0.42	60.00	0.003	0.450	0.01
18	22:49	1.00	1.313	1.00	0.37	60.00	0.004	0.620	0.01
19	22:43	1.00	1.307	1.00	0.85	60.00	0.009	0.617	0.01
20	24:15	1.00	1.395	1.00	0.85	60.00	0.013	0.921	0.01
21	25:28	1.00	1.465	1.00	0.66	60.00	0.013	1.224	0.01
22	28:01	1.00	1.611	1.00	0.65	60.00	0.007	0.639	0.01
23	18:52		1.085			60.00		0.172	
24	17:23	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
25	12:24	0.99	0.713	0.99	8.33	10.00	0.183	0.220	0.83
26	24:03	1.00	1.383	1.00	9.56	10.00	0.803	0.841	0.96
27	17:23	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
28	7:16	0.99	0.418	0.99	1.42	450.00	0.000	0.020	0.00
29	12:30	0.99	0.719	0.99	3.44	450.00	0.000	0.036	0.01
30	20:57	1.00	1.205	1.00	5.04	450.00	0.002	0.200	0.01
31	22:34	1.00	1.298	1.00	11.89	450.00	0.006	0.221	0.03
32	8:08		0.468			60.00		0.588	
33	14:23	0.99	0.827	1.00	0.03	60.00	0.000	0.540	0.00
34	33:39	1.00	1.936	1.00	0.77	60.00	0.017	1.292	0.01
35	35:26	1.00	2.038	1.00	0.36	60.00	0.007	1.076	0.01

C 359

ORIGINAL

(red)

Laboratory Name Mead CompuChem
 Lab Sample ID No. GB830214305 Instrument Blank
 Associated Samples 23890

Case Number 1439
 QC Report No. _____

VOLATILES

ug/kg

107-02-8	acrolein	ND
107-13-1	acrylonitrile	ND
71-43-2	benzene	ND
56-23-5	carbon tetrachloride	ND
108-90-7	chlorobenzene	ND
107-06-2	1,2-dichloroethane	ND
71-55-6	1,1,1-trichloroethane	ND
75-34-3	1,1-dichloroethane	ND
79-00-5	1,1,2-trichloroethane	ND
79-34-5	1,1,2,2-tetrachloroethane	ND
75-00-3	chloroethane	ND
110-75-8	2-chloroethyl vinyl ether	ND
67-66-3	chloroform	ND
75-35-4	1,1-dichloroethene	ND
156-60-5	1,2-trans-dichloroethene	ND
78-87-5	1,2-dichloropropane	ND
10061-02-6	trans-1,3-dichloropropene	ND
10061-01-05	cis,1,3-dichloropropene	ND
100-41-4	ethylbenzene	ND
75-09-2	methylene chloride	ND
74-87-3	chloromethane	ND
74-83-9	bromomethane	ND
75-25-2	bromoform	ND
75-27-4	bromodichloromethane	ND
75-69-4	fluorotrchloromethane	ND
75-71-8	dichlorodifluoromethane	ND
124-48-1	chlorodibromomethane	ND
127-18-4	tetrachloroethene	ND
108-88-3	toluene	ND
79-01-6	trichloroethene	ND
75-01-4	vinyl chloride	ND

ARI01927

C 360

Lab Name: Mead CompuChem® Case No: _____
Lab Sample I.D. No. _____ Instrument Blank
QC Report No: _____

ORIGINAL

(red)

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC. (ug/kg)	(Surrogates Only)	
			Spike Added (ug/kg)	Recovery
D4 1,2-Dichloroethane	VOA	13.2	10.0	132
D8-Toluene	VOA	8.5	10.0	85

FORM 1 (continued) Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit, however.

- (a) Value - If the result is a value greater than or equal to the detection limit, report the value.
- (b) U - Indicates compound was analyzed for but not detected. Report the minimum detection limit value with the U, e.g., 10U. The footnote should read: U-compound was analyzed but not detected. The number is the minimum detection limit.
- (c) X - If the mass spectral data indicate the presence of a compound that meets the identification criteria but the quantitative results is less than the specified detection limit out greater than zero, report the detection limit as K, e.g., 10K. The footnote should read: K-Actual value, within the limitations of this method, is less than the value given.
- (d) J - Indicates as estimated value which is used when estimating a concentration for tentatively identified compounds, e.g., 1200J. The footnote should read: J - Estimated value.
- (e) Other - Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described in a page attached to the data summary report.
- (f) - This flag applies to pesticides parameters where the identification has been performed using two column confirmation (as specified in Method 608) but the level is too low for verification of the compound by mass spectrometry.

APR 10 1992

Lab Name: _____ Case no. C-361 1439
Lab Sample I.D. No. GB830214B05 Instrument Blank
QC Report No.: _____

ORIGINAL
(red)

B. TENTATIVELY IDENTIFIED COMPOUNDS

#	CAS #	COMPOUND NAME	FRAC-TION	% Pur.	Est. Conc.
1			BN		
2			BN		
3			BN		
4			BN		
5			BN		
6			BN		
7			BN		
8			BN		
9			BN		
10			BN		
11			ACID		
12			ACID		
13			ACID		
14			ACID		
15			ACID		
16			ACID		
17			ACID		
18			ACID		
19			ACID		
20			ACID		
21		NONE	VOA		
22			VOA		
23			VOA		
24			VOA		
25			VOA		
26			VOA		
27			VOA		
28			VOA		
29			VOA		
30			VOA		

AR101929

C 362

ORIGINAL

(red)

QUALITY CONTROL NOTICE

The volatile analysis of blank GBB3021485 shows the presence of the laboratory artifact siloxane at scan none. The presence of this compound has resulted from the addition of an antifoaming agent and may or may not actually be present in this sample. Siloxane has not been listed as one of the non-priority pollutant compounds identified in this sample.

Patty Ragsdale/CA.

Patty Ragsdale
Quality Control Manager

AR101930

C 363

ORIGINA

(red)

RIC
02/14/83 22:54:00
SAMPLE: EHP 10ML H2O + SUL (7836&7838)

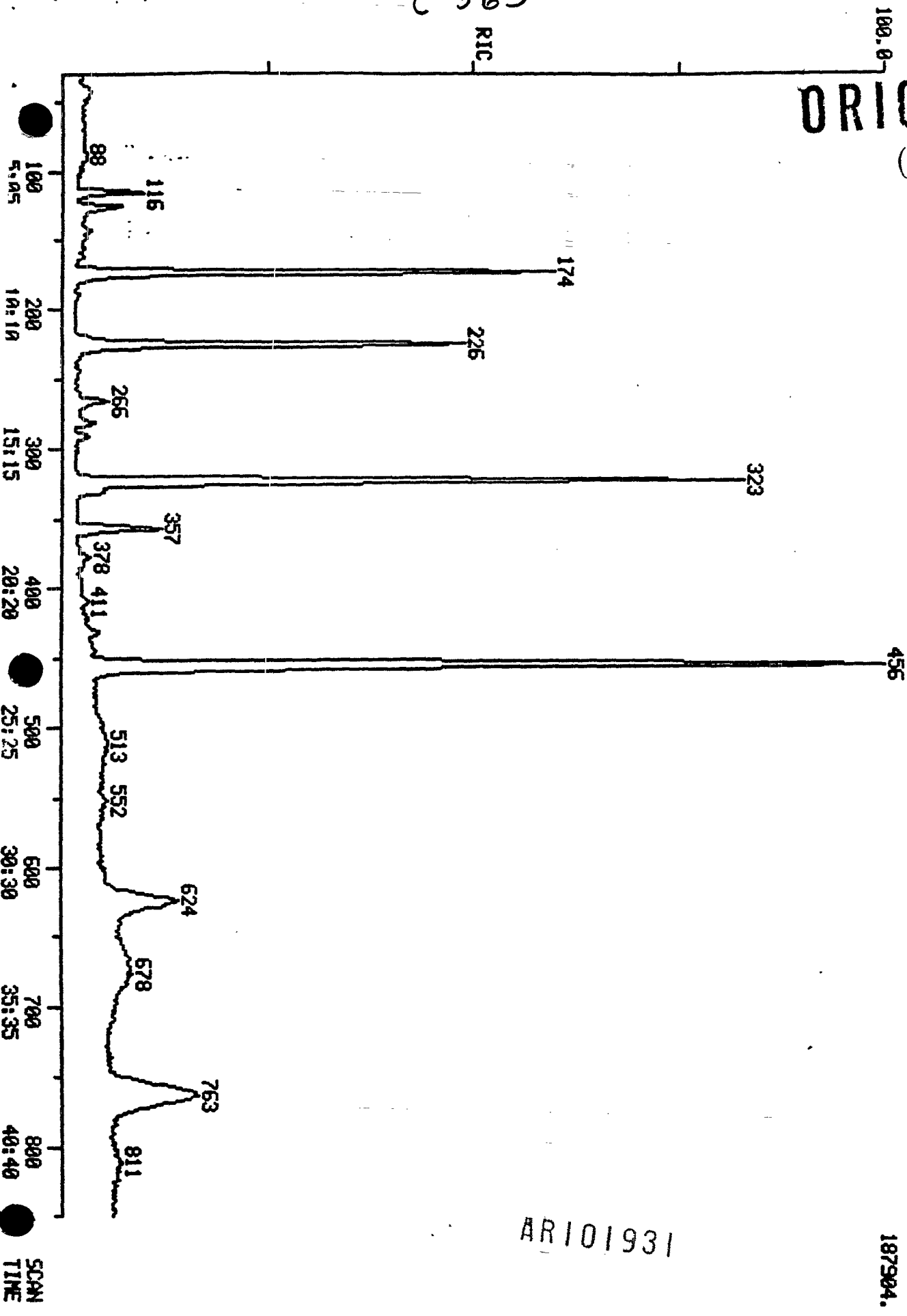
HEAD COMPUTER

DATA: C8830214805

SCANS 30 TO 850

Used
2-14-83
cae

187904.



AR101931

C 364

PROCEDURE: RK
DATA FILE: G8830214B05
REFERENCE: LOWS
METHOD: LOWS
REPORT: LOWSS1

DIAGNOSTIC REPORT

2/14/83 23:42:28

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

STANDARDS				PLUS UNKNOWN				LIST NAMES	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
2	2	1	0	23	9	27	89	LOWSS1/LOWSU1	
2	2	1	0	22	11	80	257	LOWSS2/LOWSU2	

(red)

45 COMPOUNDS PROCESSED, 20 FOUND

COMPOUND			SEARCH					SAT		CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	VQ	1	167	174	174	.	1	988	.	130	174	.	1
2	VU	2	220	226	226	.	1	999	.	67	226	.	1
3	VQ	2	32	42	.	.	.	.	.	50	.	.	.
4	VQ	3	57	66	.	.	.	.	.	62	.	.	.
5	VQ	4	72	81	.	.	.	.	.	64	.	.	.
6	VQ	5	46	55	.	.	.	.	.	94	.	.	.
7	VQ	6	115	124	.	.	.	.	.	56	.	.	.
8	VQ	7	129	137	.	.	.	.	.	53	.	.	.
9	VR	1	167	175	174	-1	1	987	.	130	174	.	1
10	VR	2	107	116	116	.	1	992	.	84	116	.	1
11	VR	3	144	152	.	.	.	.	.	101	.	.	.
12	VR	4	195	202	.	.	.	.	.	96	.	.	.
13	VR	5	182	190	.	.	.	.	.	65	.	.	.
14	VR	6	195	202	.	.	.	.	.	96	.	.	.
15	VR	7	208	215	.	.	.	.	.	83	215	.	1
16	VR	8	222	229	.	.	.	.	.	62	.	.	.
17	VR	9	248	255	255	.	1	930	.	97	254	-1	1
18	VR	10	256	263	.	.	.	.	.	117	.	.	.
19	VR	11	267	274	.	.	.	.	.	127	.	.	.
20	VV	2	116	125	125	.	3	997	.	58	126	1	1
21	VV	3	219	226	226	.	3	987	.	72	226	.	1
22	VV	6	134	142	143	1	1	869	.	76	143	.	1
23	VV	7	257	264	265	1	3	954	.	43	.	.	.
24	VS	1	316	323	323	.	1	989	.	84	323	.	1
25	VU	3	447	456	456	.	1	1000	.	100	456	.	1
26	VS	2	293	297	.	.	.	.	.	65	.	.	.
27	VS	3	299	303	.	.	.	.	.	75	.	.	.
28	VS	4	309	314	.	.	.	.	.	130	.	.	.
29	VS	5	319	324	324	.	1	999	.	78	324	.	1
30	VS	6	325	331	.	.	.	.	.	75	.	.	.
31	VS	7	325	331	.	.	.	.	.	97	.	.	.
32	VS	8	324	330	.	.	.	.	.	127	.	.	.
33	VS	9	379	387	.	.	.	.	.	173	.	.	.
34	VS	10	425	436	433	-3	1	984	.	164	433	.	1
35	VS	11	425	436	.	.	.	.	.	83	.	.	.
36	VS	12	451	463	460	-3	1	998	.	92	460	.	1
37	VS	13	477	490	.	.	.	.	.	112	.	.	.
38	VS	14	528	544	542	-2	4	784	.	106	.	.	.
39	VS	15	346	353	.	.	.	.	.	63	.	.	.
40	VU	1	316	321	323	2	1	989	.	84	323	.	1
41	VU	1	316	321	323	2	1	989	.	84	323	.	1
42	VU	4	387	396	394	-2	5	934	.	58	.	.	.
43	VU	5	418	428	431	3	4	967	.	58	431	.	2
44	VU	8	641	662	666	4	1	954	.	104	663	-3	2
45	VU	9	679	702	.	.	.	.	.	106	.	.	.

AR101932

AR101932

C 365

QUANTITATION REPORT FILE: GBB30214B05

DATA: GBB30214B05.TI

02/14/83 22:54:00

SAMPLE: EHP 10ML H2O + SUL(7836&7838)

SUBMITTED BY: 05

ANALYST: CAC

ORIGINAL

(red)

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

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

AR101933

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

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGHT)	AMOUNT	ZTOT
1	130	174	8:51	1	1.000	A BB	76083.	10.000 UG/KG	6.56
2	NOT FOUND								
3	NOT FOUND								
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	130	174	8:51	8	1.000	A BB	76083.	10.000 UG/KG	6.56
9	84	116	5:54	8	0.667	A BB	12517.	1.724 UG/KG	1.13
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	83	215	10:56	8	1.236	A BB	355.	0.020 UG/KG	0.01
15	NOT FOUND								
16	97	254	12:55	8	1.460	A BB	779.	0.048 UG/KG	0.03
17	NOT FOUND								
18	NOT FOUND								
19	84	323	16:25	19	1.000	A BV	269996.	10.000 UG/KG	6.56
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	78	324	16:28	19	1.003	A BB	5224.	0.232 UG/KG	0.15
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	164	433	22:01	19	1.341	A BB	241.	0.019 UG/KG	0.01
29	NOT FOUND								
30	92	460	23:23	19	1.424	A BB	12896.	0.639 UG/KG	0.42
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	84	323	16:25	34	1.000	A BV	269996.	10.000 UG/KG	6.56
35	67	226	11:29	34	0.700	A BB	64819.	2.868 UG/KG	1.88
36	100	456	23:11	34	1.412	A BB	178974.	64.878 UG/KG	42.55
37	84	323	16:25	37	1.000	A BV	269996.	10.000 UG/KG	6.56
38	58	126	6:24	37	0.390	A BB	8781.	24.389 UG/KG	15.99
39	72	226	11:29	37	0.700	A BB	4092.	6.824 UG/KG	4.48
40	NOT FOUND								
41	58	431	21:55	37	1.334	A*VB	1472.	0.536 UG/KG	0.35
42	76	143	7:16	37	0.443	A BB	6801.	0.289 UG/KG	0.19
43	NOT FOUND								
44	104	663	33:42	37	2.053	A*VB	537.	0.022 UG/KG	0.01
45	NOT FOUND								

ORIGINAL

(red)

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	8:29	1.04	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	1:38		0.192			60.00		0.566	
3	2:54		0.341			60.00		0.682	
4	3:40		0.431			60.00		0.436	
5	2:20		0.275			60.00		0.826	
6	5:51		0.689			599.99		0.077	
7	6:33		0.772			599.99		0.209	
8	8:29	1.04	1.000	1.00	10.00	10.00	1.000	1.000	1.00
9	5:26	1.08	0.641	1.04	1.72	60.00	0.027	0.955	0.03

13.19
2.48
64.878

AR 1000034

C 367

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
10	7:19		0.862			60.00		2.371	
11	9:55		1.168			60.00		0.866	
12	9:15		1.090			60.00		0.468	
13	9:55		1.168			60.00		0.866	(red)
14	10:34	1.03	1.246	0.99	0.02	60.00	0.001	2.280	0.00
15	11:17		1.329			60.00		1.387	
16	12:36	1.02	1.485	0.98	0.05	60.00	0.002	2.115	0.00
17	13:01		1.533			60.00		2.363	
18	13:34		1.599			60.00		0.203	
19	16:04	1.02	1.000	1.00	10.00	10.00	1.000	1.000	1.00
20	14:54		0.927			60.00		0.105	
21	15:12		0.946			60.00		0.648	
22	15:42		0.978			60.00		0.537	
23	16:13	1.02	1.009	0.99	0.23	60.00	0.003	0.834	0.00
24	16:31		1.028			60.00		0.312	
25	16:31		1.028			60.00		0.353	
26	16:28		1.025			60.00		0.539	
27	19:16		1.199			60.00		0.635	
28	21:36	1.02	1.345	1.00	0.02	60.00	0.000	0.466	0.00
29	21:36		1.345			60.00		0.579	
30	22:56	1.02	1.427	1.00	0.64	60.00	0.008	0.748	0.01
31	24:15		1.509			60.00		1.087	
32	26:50		1.671			60.00		0.580	
33	17:35		1.095			60.00		0.213	
34	16:04	1.02	1.000	1.00	10.00	10.00	1.000	1.000	1.00
35	11:11	1.03	0.696	1.01	2.87	10.00	0.240	0.837	0.29
36	22:43	1.02	1.415	1.00	64.88	10.00	0.663	0.102	6.49
37	16:04	1.02	1.000	1.00	10.00	10.00	1.000	1.000	1.00
38	5:54	1.09	0.367	1.06	24.39	450.00	0.001	0.013	0.05
39	11:08	1.03	0.693	1.01	6.82	450.00	0.000	0.022	0.02
40	19:40		1.225			450.00		0.140	
41	21:15	1.03	1.323	1.01	0.54	450.00	0.000	0.102	0.00
42	6:49	1.07	0.424	1.04	0.29	60.00	0.004	0.872	0.00
43	13:04		0.813			60.00		0.427	
44	32:38	1.03	2.032	1.01	0.02	60.00	0.000	0.894	0.00
45	34:28		2.146			60.00		0.639	

ORIGINAL

(red)

AR101935

C 368

ORGANICS ANALYSIS DATA SHEET - Page 1

ME... DEVL SOLI
ORIGINAL

Laboratory Name Mead CompuChem
 Lab Sample ID No. 23960
 Sample Spike

Case Number 1439 (red)
 QC Report No. 121-98

Multiply all Values and Detection Limits by 1 or 10 or
 (Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/g
(21A)	88-06-2	2,4,6-trichlorophenol	100 ⁴¹
(22A)	59-50-7	p-chloro-m-cresol	200 ⁴⁶
(24A)	95-57-8	2-chlorophenol	100 ⁶⁶
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	200 ⁶⁴
(58A)	100-02-7	4-nitrophenol	1000 ³¹⁰
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200 ²³⁰
(64A)	87-36-5	pentachlorophenol	200 ⁴¹
(65A)	108-95-2	phenol	100 ⁶³

(Non-Priority Pollutant Hazardous Substances)

65-85-0	benzoic acid	100U
95-48-7	2-methylphenol	10U
108-39-4	4-methylphenol	10U
95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	100 ⁷⁴
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	100 ⁶⁹
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	100 ⁶⁸
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	100 ⁷¹
(25B)	95-50-1	1,2-dichlorobenzene	100 ⁶⁸
(26B)	541-73-1	1,3-dichlorobenzene	100 ⁶⁸
(27B)	106-46-7	1,4-dichlorobenzene	100 ⁶⁹
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	200 ⁵³
(36B)	606-20-2	2,6-dinitrotoluene	20U
(37B)	122-66-7	1,2-diphenylhydrazine (as azobenzene)	200 ⁶⁸
(39B)	206-44-0	fluoranthene	100 ⁷⁰
(40B)	7005-72-3	4-chlorophenyl phenylether	100 ⁵⁴
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/g
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	100 ⁶⁸
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	100 ⁶⁹
(62B)	86-30-6	N-nitrosodiphenylamine	100 ⁵³
(63B)	621-64-7	N-nitrosodi-n-propylamine	200 ³⁰⁰
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	100 ⁷⁴
(68B)	84-74-2	di-n-butyl phthalate	100 ⁶⁵
(69B)	117-84-0	di-n-octyl phthalate	100 ⁸⁷
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	100 ⁷⁵
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	100 ⁷⁰
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	100 ⁶⁴

(Non-Priority Pollutant Hazardous Substances)

62-53-3	aniline	10U
100-51-6	benzyl alcohol	20U
106-47-8	4-chloroaniline	50U
132-64-9	dibenzofuran	10U
91-57-6	2-methylnaphthalene	20U
88-74-4	2-nitroaniline	100U
99-09-2	3-nitroaniline	100U
100-01-6	4-nitroaniline	100U

AR101936

ORIGINAL
(red)Lab Name: Mead CompuChemLab Sample I.D. No. 23960
Sample Spike

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only)	
			Spike Added (ug/g)	% Recovery
2-Fluorophenol	SEMIVOA	69	100	69
Pentafluorophenol	SEMIVOA	59	100	59
D6-Phenol	SEMIVOA		100	
D5-Nitrobenzene	SEMIVOA	69	100	69
Decafluorobiphenyl	SEMIVOA	54	100	54
2-Fluorobiphenyl	SEMIVOA	72	100	72
2-Fluoroaniline	SEMIVOA	45	100	45

AR101937

C 3707

ORIGINAL

LAB NAME: _____

LAB SAMPLE I.D.# 23960

CC#

(red)

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	PURITY %	ESTIMATE CONC. (ug)
1			NONE	FSCC	98	
2				FSCC		
3				FSCC		
4				FSCC		
5				FSCC		
6				FSCC		
7				FSCC		
8				FSCC		
9				FSCC		
10				FSCC		
11				FSCC		
12				FSCC		
13				FSCC		
14				FSCC		
15				FSCC		
16				FSCC		
17				FSCC		
18				FSCC		
19				FSCC		
20				FSCC		

ORIGINAL

QC SAMPLE NO. 23960 ORIGINAL NO. 23888 EPA NO. 22342
 ASSOCIATED SAMPLE NOS: 24694

LAB NAME: MEAD COMPUCHEM
 QC REPORT NO: 121-48

CASE NO: 1439

PP#	CAS#	COMPOUNDS	ORIG SAMPLE RESULTS	QC SAMPLE RESULTS	SPIKE ADDED ug/l	% RECOVERY
(21A)	88-06-2	2,4,6-trichlorophenol	ND	41	100	41
(22A)	99-50-7	p-chloro-m-cresol	-	46	100	46
(24A)	95-57-8	2-chlorophenol	-	66	100	66
(31A)	122-83-2	2,4-dichlorophenol				
(34A)	105-67-9	2,4-dimethylphenol				
(57A)	88-75-5	2-nitrophenol				
(58A)	100-02-7	4-nitrophenol	-	310	600	52
(59A)	51-88-5	2,4-dinitrophenol				
(60A)	534-52-1	4,6-dinitro-2-methylphenol	-	230	500	46
(64A)	87-36-5	pentachlorophenol	-	41	100	41
(65A)	108-95-2	phenol	-	63	100	63
(1B)	83-32-9	acenaphthene	-	74	100	74
(5B)	92-87-5	benzidine				
(8B)	120-82-1	1,2,4-trichlorobenzene	-	69	100	69
(9B)	118-74-1	hexachlorobenzene				
(12B)	67-72-1	hexachloroethane	-	68	100	68
(18B)	111-44-4	bis(2-chloroethyl)ether				
(20B)	91-58-7	2-chloronaphthalene	-	71	100	71
(25B)	95-50-1	1,2-dichlorobenzene	-	68	100	68
(26B)	541-73-1	1,3-dichlorobenzene	-	68	100	68
(27B)	106-46-7	1,4-dichlorobenzene	-	69	100	69
(28B)	91-94-1	3,3'-dichlorobenzidine				
(35B)	121-14-2	2,4-dinitrotoluene	-	53	100	53
(36B)	606-20-2	2,6-dinitrotoluene				

C 272

PAGE 2 of 2

LAB NAME: MEAD COMPUCHEM

QC REPORT NO: 10248

CASE NO: 1439

PP#	CAS#	COMPOUNDS	ORIG SAMPLE RESULTS	QC SAMPLE RESULTS	SPIKE ADDED ug/l	% RECOVERY
(37B)	122-66-7	1,2-diphenylhydrazine	-	68	100	68
(39B)	206-44-0	fluoranthene	-	70	100	70
(40B)	7005-72-3	4-chlorophenyl phenylether				
(41B)	101-55-3	4-bromophenyl phenyl ether	-	54	100	54
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether				
(43B)	11--91-1	bis-(2-chloroethoxy)methane				
(52B)	87-68-3	hexachlorobutadiene				
(53B)	77-47-4	hexachlorocyclopentadiene				
(54B)	78-59-1	isophorone	-	68	100	68
(55B)	91-20-3	naphthalene				
(56B)	98-95-3	nitrobenzene	-	69	100	69
(62B)	86-30-6	N-nitrosodiphenylamine		100	100	100
(63B)	621-64-7	N-nitrosodi-n-propylamine	-	306	400	75
(66B)	117-81-7	bis(2-ethylhexyl)phthalate				
(67B)	85-68-7	butyl benzyl phthalate	-	74	100	74
(68B)	84-74-2	di-n-butyl phthalate	-	65	100	65
(69B)	117-84-0	di-n-octyl phthalate	30	87	100	57
(70B)	84-66-2	diethyl phthalate				
(71B)	131-11-3	dimethyl phthalate				
(72B)	56-55-3	benzo(a)anthracene				
(73B)	50-53-8	benzo(a)pyrene				
(74B)	205-99-2	benzo(b)fluoranthene				
(75B)	207-08-9	benzo(k)fluoranthene				
(76B)	318-01-9	chrysene	-	75	100	75
(77B)	208-96-8	acensphthylene				
(78B)	120-12-7	anthracene	-	70	100	70
(79B)	181-24-2	benzo(ghi)perylene				
(80B)	86-73-7	fluorene				
(81B)	85-01-8	phenanthrene				
(82B)	53-70-3	dibenzo(a,h)anthracene				
(83B)	183-39-5	Indeno(1,2,3-cd)pyrene				
(84B)	129-00-0	pyrene	-	64	100	64

ART101940

ORIGINAL

C 373

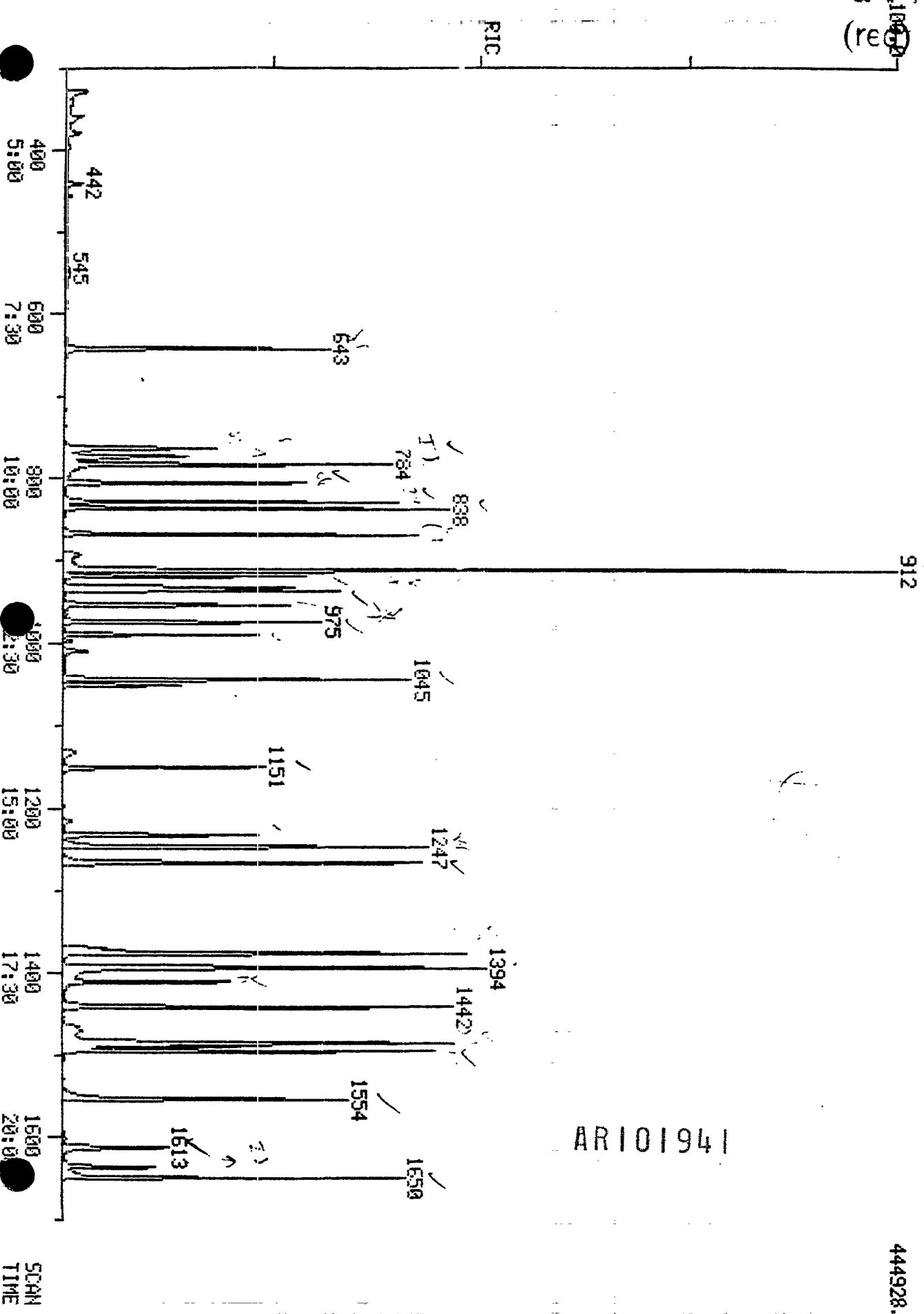
RIC
01/14/83 13:09:00
SAMPLE: 1 UL 23960 FSCC MED. LEVEL

HEAD COMPUCHEM

DATA: GH023960A14

SCANS 300 TO 1700

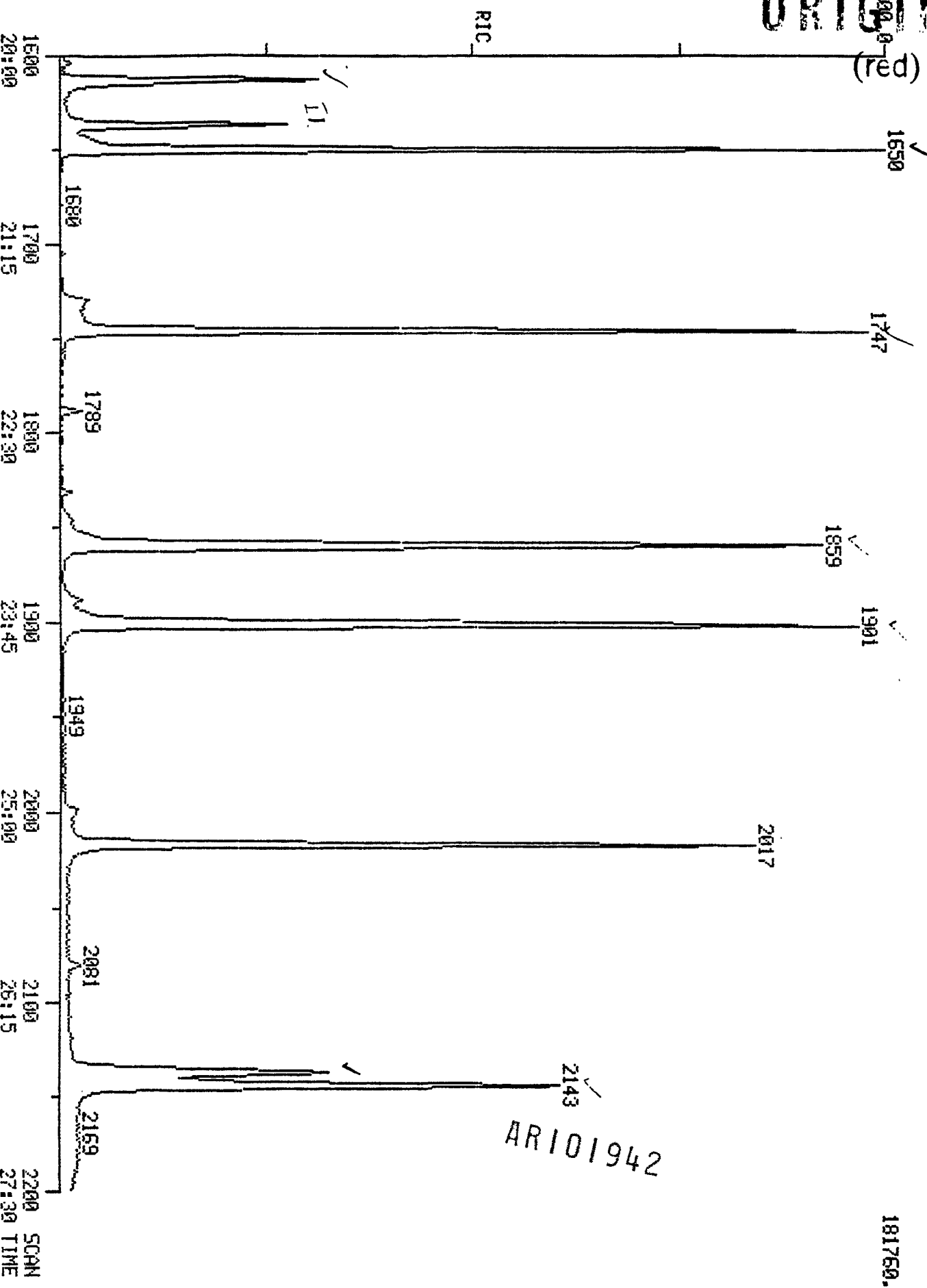
444928.



ARI01941

c 374

ORIGINAL



RIC
 01/14/83 13:09:00
 SAMPLE: 1 UL 23960 FSCC MED. LEVEL

HEAD COMPUTER
 DATA: GH023960A14
 SCANS 1600 TO 2200

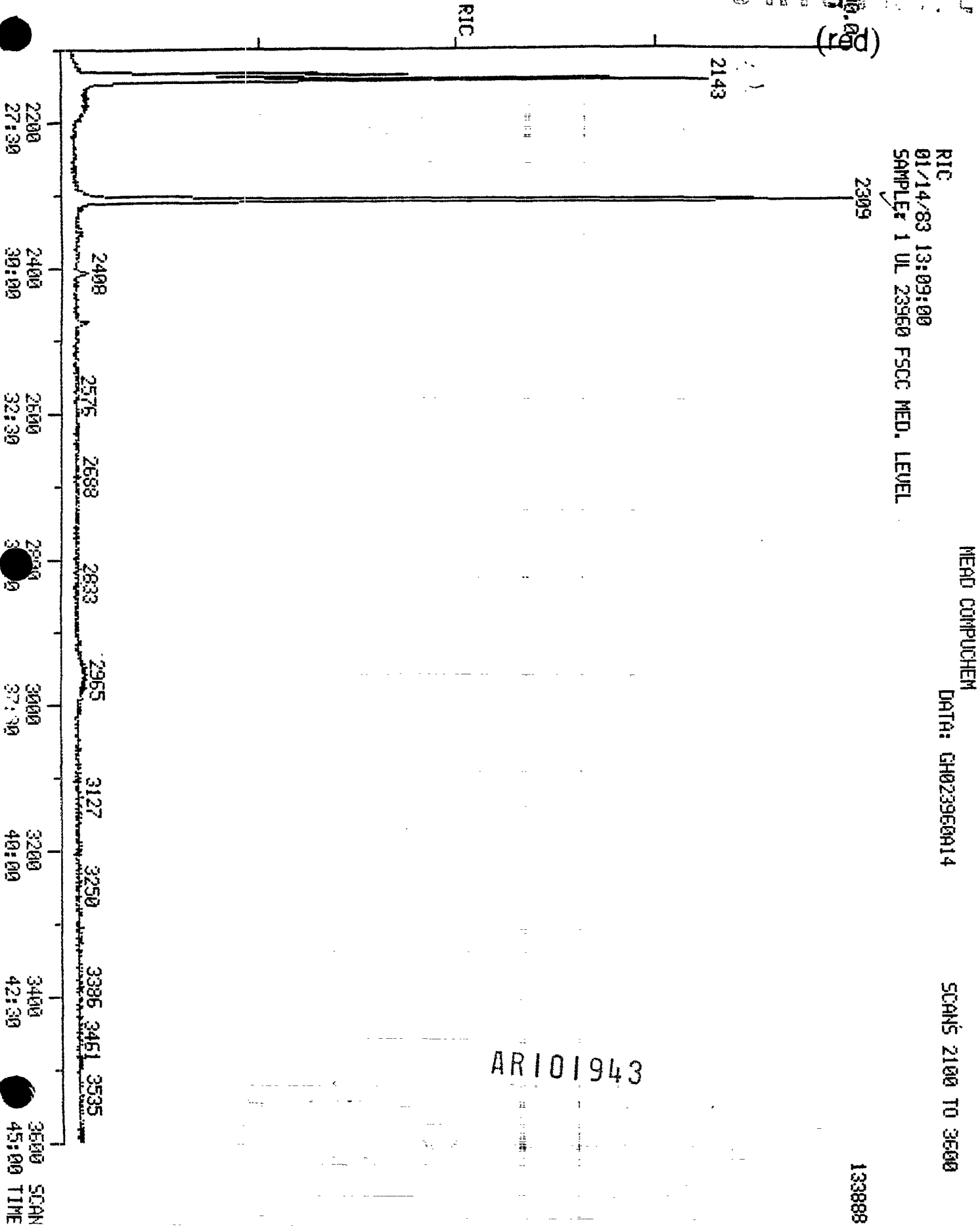
AR101942

181760.

C 375'

ORIGINAL

(red)



RIC
 01/14/83 13:09:00
 SAMPLE: 1 UL 23960 FSCC MED. LEVEL

HEAD COMPUTED

DATA: CH023960A14

SCANS 2100 TO 3600

133888

AR101943

PROCEDURE: RK
 DATA FILE: GH023960A14
 REFERENCE: FSCC6
 METHOD: FSCC6
 REPORT: FSCC6S1

DIAGNOSTIC REPORT

1/14/83 14:30:17

METHOD: FSCC6 INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

ORIGINAL

< ---- STANDARDS ---- >				--- PLUS UNKNOWN ---			--- > LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN (red)
4	4	1	95	65	37	18	271	FSCC6S1/FSCC6U1
2	2	1	0	15	5	1	53	FSCC6S2/FSCC6U2

79 COMPOUNDS PROCESSED, 41 FOUND

< COMPOUND >		----- SEARCH -----					> SAT >		----- CHRO -----			
NO	LIS ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	F1	1	-783	783	784	1	1	990	97	784	.	1
2	F2	1	-1054	1054	1053	-1	1	998	136	1053	.	1
3	F1	20	-1247	1247	1247	.	1	997	172	1247	.	1
4	F3	1	-1637	1637	1637	.	1	974	188	1637	.	1
5	F1	2	-449	449	.	.	.	.	74	.	.	.
6	F1	3	-784	784	784	.	1	981	94	784	.	1
7	F1	4	-791	791	.	.	.	.	93	788	.	1
8	F1	5	-799	799	.	.	.	.	93	.	.	.
9	F1	6	-807	807	806	-1	1	997	128	806	.	1
10	F1	7	-830	830	829	-1	1	998	146	829	.	1
11	F1	8	-839	839	838	-1	1	997	146	838	.	1
12	F1	9	-870	870	869	-1	1	999	146	869	.	1
13	F1	10	-862	862	.	.	.	.	108	.	.	.
14	F1	11	-887	887	.	.	.	.	121	.	.	.
15	F1	12	-881	881	.	.	.	.	108	.	.	.
16	F1	13	-921	921	920	-1	1	1000	117	920	.	1
17	F1	14	-904	904	.	.	.	.	108	.	.	.
18	F1	15	-642	642	643	1	1	994	112	643	.	1
19	F1	16	-771	771	774	3	2	991	184	774	.	1
20	F1	17	-934	934	933	-1	1	992	82	933	.	1
21	F1	18	-955	955	954	-1	1	997	334	954	.	1
22	F1	19	-764	764	764	.	1	1000	111	764	.	1
23	F2	2	-912	912	912	.	3	997	166 130	912	.	1
24	F2	3	-937	937	936	-1	1	998	123	936	.	1
25	F2	4	-977	977	975	-2	1	997	82	975	.	1
26	F2	5	-991	991	990	-1	1	991	139	990	.	1
27	F2	6	-995	995	.	.	.	.	122	.	.	.
28	F2	7	-1013	1013	.	.	.	.	93	.	.	.
29	F2	8	-1030	1030	.	.	.	.	162	1031	.	1
30	F2	9	-1046	1046	1045	-1	1	998	180	1045	.	1
31	F2	10	-1071	1071	.	.	.	.	127	.	.	.
32	F2	11	-1030	1030	1045	15	3	988	105	1046	1	1
33	F2	12	-1087	1087	.	.	.	.	225	.	.	.
34	F2	13	-1152	1152	1151	-1	1	996	107	1151	.	1
35	F2	14	-1179	1179	.	.	.	.	115	.	.	.
36	F2	15	-1218	1218	.	.	.	.	237	.	.	.
37	F2	16	-1233	1233	1233	.	1	1000	196	1233	.	1
38	F2	17	-1266	1266	1266	.	1	991	162	1266	.	1
39	F2	18	-1343	1343	.	.	.	.	163	.	.	.
40	F2	19	-1328	1328	.	.	.	.	128	1057	.	2
41	F2	20	-1057	1057	.	.	.	.	165	.	.	.
42	F2	21	-1341	1341	.	.	.	.	165	.	.	.
43	F2	22	-1411	1411	1411	.	1	993	165	1411	.	1
44	F2	23	-1368	1368	138	.	.	.
45	F2	24	-1293	1293	138	.	.	.

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49	F3	2	-1376	1376	1376	C 377	1	998	134	1376	1
50	F3	3	-1385	1385					184		1
51	F3	4	-1393	1393	1394		1	996	139	1394	1
52	F3	5	-1467	1467					166		1
53	F3	6	-1466	1466					204		1
54	F3	7	-1455	1455					149		1
55	F3	8	-1486	1486	1485		-1	977	198	1485	1
56	F3	9	-1489	1489	1489			1000	169	1489 (red)	1
57	F3	10	-1553	1553	1554		1	984	248	1554	1
58	F3	11	-1581	1581					284		1
59	F3	12	-1642	1642					178		1
60	F3	13	-1650	1650	1650		1	997	178	1650	1
61	F3	14	-1859	1859	1859		1	992	202	1859	1
62	F3	15	-1901	1901	1901		1	984	202	1901	1
63	F3	16	-1495	1495	1495		1	995	77	1495	1
64	F3	17	-1747	1747	1747		1	1000	149	1747	1
65	F3	18	-1613	1613	1613		1	998	266	1613	1
66	F4	1	-2138	2137	2137		1	995	240	2137	1
67	F4	2	-2134	2133					228	2134	1
68	F4	3	-2144	2143	2143		1	995	228	2143	1
69	F4	4	-2129	2128					252		1
70	F4	5	-2017	2016	2017		1	998	149	2017	1
71	F4	6	-2139	2138					149	2138	1
72	F4	7	-2310	2308	2308		1	996	149	2308	1
73	F4	8	-1955	1954					184		1
74	F4	9	-2589	2587					252		1
75	F4	10	-3202	3198					276		1
76	F4	11	-3216	3212					278		1
77	F4	12	-3383	3379					276		1
78	F4	13	-2459	2457					252		1
79	F4	14	-2468	2466					252		1

ORIGINAL

ARI01945

C 378

QUANTITATION REPORT FILE: GH023960A14

DATA: GH023960A14.TI
01/14/83 13:09:00
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
SUBMITTED BY: 14 ANALYST: MB

ORIGINAL

(red)

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

NO	NAME
1	*D3-PHENOL (INTERNAL STANDARD) (624)
2	N-NITROSODIMETHYLAMINE (441)
3	PHENOL (610)
4	ANILINE (473)
5	BIS(2-CHLOROETHYL)ETHER (411)
6	2-CHLOROPHENOL (601)
7	1,3-DICHLOROBENZENE (421)
8	1,4-DICHLOROBENZENE (422)
9	1,2-DICHLOROBENZENE (420)
10	BENZYL ALCOHOL (474)
11	BIS(2-CHLOROISOPROPYL)ETHER (412)
12	2-METHYLPHENOL (620)
13	HEXACHLOROETHANE (436)
14	4-METHYLPHENOL (622)
15	2-FLUOROPHENOL (SURROGATE) (619)
16	PENTAFLUOROPHENOL (SURROGATE) (623)
17	05-NITROBENZENE (SURROGATE) (447)
18	DECAFLUOROBIPHENYL (SURROGATE) (470)
19	2-FLUOROANILINE (SURROGATE) (472)
20	2-FLUOROBIPHENYL (SURROGATE) (448)
21	*D8-NAPHTHALENE (INTERNAL STANDARD) (460)
22	N-NITROSO-DI-N-PROPYLAMINE (442)
23	NITROBENZENE (440)
24	ISOPHORONE (438)
25	2-NITROPHENOL (606)
26	2,4-DIMETHYLPHENOL (603)
27	BIS(2-CHLOROETHOXY)METHANE (410)
28	2,4-DICHLOROPHENOL (602)
29	1,2,4-TRICHLOROBENZENE (446)
30	4-CHLOROANILINE (475)
31	BENZOIC ACID (625)
32	HEXACHLOROBUTADIENE (434)
33	P-CHLORO-M-CRESOL (608)
34	2-METHYLNAPHTHALENE (472)
35	HEXACHLOROCYCLOPENTADIENE (435)
36	2,4,6-TRICHLOROPHENOL (611)
37	2-CHLORONAPHTHALENE (416)
38	ACENAPHTHYLENE (402)
39	DIMETHYLPHTHALATE (425)
40	NAPHTHALENE (439)
41	2,6-DINITROTOLUENE (428)
42	2,4-DINITROTOLUENE (427)
43	3-NITROANILINE(479)
44	2-NITROANILINE(478)
45	DIBENZOFURAN (476)
46	4-NITROANILINE(480)

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ORIGINAL
(red)

NO	NAME
47	2, 4, 5-TRICHLOROPHENOL (626)
48	*D10-PHENANTHRENE (INTERNAL STANDARD) (467)
49	ACENAPHTHENE (401)
50	2, 4-DINITROPHENOL (605)
51	4-NITROPHENOL (607)
52	FLUORENE (432)
53	4-CHLOROPHENYL PHENYL ETHER (417)
54	DIETHYLPHTHALATE (424)
55	4, 6-DINITRO-O-CRESOL (604)
56	DIPHENYLAMINE (N-NITROSO) (443)
57	4-BROMOPHENYL PHENYL ETHER (414)
58	HEXACHLOROBENZENE (433)
59	PHENANTHRENE (444)
60	ANTHRACENE (403)
61	FLUORANTHENE (431)
62	PYRENE (445)
63	1, 2-DIPHENYLHYDRAZINE (AZOBENZENE) (430)
64	DI-N-BUTYLPHTHALATE (426)
65	PENTACHLOROPHENOL (609)
66	*D12-CHRYSENE (INTERNAL STANDARD) (459)
67	BENZO(A)ANTHRACENE (405)
68	CHRYSENE (418)
69	3, 3'-DICHLOROBENZIDINE (423)
70	BUTYLBENZYLPHthalATE (415)
71	BIS(2-ETHYLHEXYL)PHTHALATE (413)
72	DI-N-OCTYLPHTHALATE (429)
73	BENZIDINE (404)
74	BENZO(A)PYRENE (406)
75	INDENO(1, 2, 3-C, D)PYRENE (#437)
76	DIBENZO(A, H)ANTHRACENE (419)
77	BENZO(G, H, I)PERYLENE (408)
78	BENZO(B)FLUORANTHENE (407)
79	BENZO(K)FLUORANTHENE (409)

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

AR101947.

ORIGINAL

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	NG (red)	%TOT
1	97	784	9:48	1	1.000	A BV	27484.	20.000	NG	0.67
2	NOT FOUND									
3	94	784	9:48	1	1.000	A BB	81970.	62.729	NG	2.09 ⁴⁹
4	93	788	9:51	1	1.005	A VB	84.	0.064	NG	0.00
5	NOT FOUND									
6	128	806	10:04	1	1.028	A BV	74532.	66.142	NG	2.20 ⁴⁹
7	146	829	10:22	1	1.057	A BV	95699.	67.740	NG	2.26 ⁴⁹
8	146	838	10:28	1	1.069	A VB	105805.	68.633	NG	2.28 ⁴⁹
9	146	869	10:52	1	1.108	A VB	91984.	68.210	NG	2.27 ⁴⁹
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	117	920	11:30	1	1.173	A BB	40145.	67.585	NG	2.25 ⁴⁹
14	NOT FOUND									
15	112	643	8:02	1	0.820	A BB	83226.	69.183	NG	2.30
16	184	774	9:40	1	0.987	A VV	41877.	59.171	NG	1.97
17	82	933	11:40	1	1.150	A VB	91327.	69.485	NG	2.31
18	334	954	11:55	1	1.217	A BB	68710.	53.707	NG	1.79
19	111	764	9:33	1	0.974	A BV	70295.	45.347	NG	1.51
20	172	1247	15:35	1	1.591	A BV	163035.	72.482	NG	2.41
21	136	1053	13:10	21	1.000	A VB	57790.	20.000	NG	0.67
22	130	912	11:24	21	0.866	A BB	63896.	304.809	NG	10.15 ⁴⁹
23	123	936	11:42	21	0.889	A VV	43034.	68.619	NG	2.28 ⁴⁹
24	82	975	12:11	21	0.926	A BB	151181.	67.835	NG	2.26 ⁴⁹
25	139	990	12:22	21	0.940	A VV	39263.	63.784	NG	2.12 ⁴⁹
26	NOT FOUND									
27	NOT FOUND									
28	162	1031	12:53	21	0.979	A BB	490.	0.483	NG	0.02
29	180	1045	13:04	21	0.992	A BV	77168.	68.631	NG	2.28 ⁴⁹
30	NOT FOUND									
31	105	1046	13:04	21	0.993	A BB	1012.	1.802	NG	0.06
32	NOT FOUND									
33	107	1151	14:23	21	1.093	A BB	52344.	45.761	NG	1.52 ⁴⁹
34	NOT FOUND									
35	NOT FOUND									
36	196	1233	15:25	21	1.171	A VV	32686.	41.146	NG	1.37 ⁴⁹
37	162	1266	15:49	21	1.202	A VV	142814.	71.246	NG	2.37 ⁴⁹
38	NOT FOUND									
39	NOT FOUND									
40	128	1057	13:13	21	1.004	A*BB	398.	0.104	NG	0.00
41	NOT FOUND									
42	165	1411	17:38	21	1.340	A VB	42465.	52.807	NG	1.76 ⁴⁹
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	196	1242	15:31	21	1.179	A VV	1144.	1.229	NG	0.04
48	188	1637	20:28	48	1.000	A VB	55329.	20.000	NG	0.67
49	154	1376	17:12	48	0.841	A VB	146298.	73.961	NG	2.46 ⁴⁹
50	NOT FOUND									
51	139	1394	17:25	AR 10 / 9.48	0.852	A BB	111185.	308.780	NG	10.28 ⁴⁹
52	NOT FOUND									
53	NOT FOUND									
54	NOT FOUND									
55	198	1485	18:34	48	0.907	A BB	72972.	228.315	NG	7.60 ⁴⁹
56	169	1489	18:37	48	0.910	A VB	51404.	52.689	NG	1.75 ⁴⁹

ORIGINAL
(red)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	NO. OF PEAKS	% AT
57	248	1554	19:25	48	0.949	A VB	37146.	54.251 NG	1.81
58	NOT FOUND								
59	NOT FOUND								
60	178	1650	20:37	48	1.008	A BB	201938.	70 76.915 NG	2.56
61	202	1859	23:14	48	1.136	A VV	216132.	69.957 NG	2.33
62	202	1901	23:46	48	1.161	A BB	223332.	64 70.221 NG	2.34
63	77	1495	18:41	48	0.913	A VB	169824.	67.704 NG	2.25
64	149	1747	21:50	48	1.067	A VB	258919.	65.444 NG	2.18
65	266	1613	20:10	48	0.985	A VV	21442.	40.515 NG	1.35
66	240	2137	26:43	66	1.000	A BV	81085.	40.000 NG	1.33
67	228	2134	26:40	66	0.999	A BV	1250.	0.521 NG	0.02
68	228	2143	26:47	66	1.003	A VV	154356.	74.501 NG	2.48
69	NOT FOUND								
70	149	2017	25:13	66	0.944	A VV	109167.	73.665 NG	2.45
71	149	2138	26:43	66	1.000	A BV	1476.	0.747 NG	0.02
72	149	2308	28:51	66	1.000	A VB	308722.	87.239 NG	2.90
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:45	1.01	1.000	1.00	20.00	20.00	1.000	1.000	1.00
2	5:33		0.569			50.00		0.681	
3	9:46	1.00	1.001	1.00	62.73	50.00	1.193	0.951	1.25
4	9:50	1.00	1.009	1.00	0.06	50.00	0.001	0.955	0.00
5	9:57		1.021			50.00		1.000	
6	10:03	1.00	1.031	1.00	66.14	50.00	1.085	0.820	1.32
7	10:21	1.00	1.062	1.00	67.74	50.00	1.393	1.028	1.35
8	10:27	1.00	1.072	1.00	68.63	50.00	1.540	1.122	1.37
9	10:50	1.00	1.112	1.00	68.21	50.00	1.339	0.981	1.36
10	10:44		1.101			50.00		0.462	
11	11:04		1.135			50.00		0.362	
12	10:58		1.126			50.00		0.709	
13	11:28	1.00	1.177	1.00	67.58	50.00	0.584	0.432	1.35
14	11:16		1.155			50.00		0.764	
15	7:59	1.01	0.819	1.00	69.18	50.00	1.211	0.875	1.38
16	9:37	1.01	0.986	1.00	59.17	50.00	0.609	0.515	1.18
17	11:38	1.00	1.194	1.00	69.48	50.00	1.329	0.956	1.39
18	11:55	1.00	1.222	1.00	53.71	50.00	1.000	0.931	1.07
19	9:31	1.00	0.976	1.00	45.35	50.00	1.023	1.128	0.91
20	15:34	1.00	1.597	1.00	72.48	50.00	2.373	1.637	1.45
21	13:08	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
22	11:21	1.00	0.864	1.00	304.81	50.00	0.442	0.073	6.10
23	11:40	1.00	0.889	1.00	68.62	50.00	0.298	0.217	1.37
24	12:10	1.00	0.926	1.00	67.83	50.00	1.046	0.771	1.36
25	12:21	1.00	0.940	1.00	63.78	50.00	0.272	0.213	1.28
26	12:24		0.944			50.00		0.335	
27	12:38		0.962			50.00		0.415	
28	12:50	1.00	0.977	1.00	0.48	50.00	0.003	0.351	0.01
29	13:03	1.00	0.993	1.00	68.63	50.00	0.534	0.389	1.37
30	13:21		1.016			250.00		0.458	
31	12:46	1.02	0.972	1.02	1.80	250.00	0.001	0.194	0.01

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C 382

ORIGINAL

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FACT	R. FACT	RATIO
32	13:34		1.032			50.00		0.208	
33	14:22	1.00	1.094	1.00	45.76	50.00	0.362	0.376	0.92
34	14:43		1.120			50.00		0.337	
35	15:13		1.158			50.00		0.131	
36	15:23	1.00	1.171	1.00	41.15	50.00	0.226	0.275	0.82
37	15:49	1.00	1.204	1.00	71.25	50.00	0.989	0.694	1.42
38	16:46		1.277			50.00		1.012	
39	16:34		1.262			50.00		0.991	
40	13:11	1.00	1.004	1.00	0.10	50.00	0.003	1.321	0.00
41	16:44		1.274			50.00		0.211	
42	17:37	1.00	1.342	1.00	52.81	50.00	0.294	0.278	1.06
43	17:04		1.299			250.00		0.107	
44	16:08		1.228			250.00		0.277	
45	17:32		1.335			50.00		0.989	
46	18:31		1.409			250.00		0.054	
47	15:28	1.00	1.178	1.00	1.23	250.00	0.002	0.322	0.00
48	20:27	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
49	17:11	1.00	0.840	1.00	73.96	50.00	1.058	0.715	1.48
50	17:17		0.845			250.00		0.052	
51	17:23	1.00	0.850	1.00	308.78	125.00	0.322	0.130	2.47
52	18:19		0.896			50.00		0.835	
53	18:18		0.895			50.00		0.344	
54	18:10		0.888			50.00		1.117	
55	18:33	1.00	0.907	1.00	228.31	250.00	0.106	0.116	0.91
56	18:35	1.00	0.909	1.00	52.69	50.00	0.372	0.353	1.05
57	19:24	1.00	0.949	1.00	54.25	50.00	0.269	0.248	1.09
58	19:45		0.966			50.00		0.254	
59	20:30		1.002			50.00		1.098	
60	20:36	1.00	1.007	1.00	76.92	50.00	1.460	0.949	1.54
61	23:13	1.00	1.135	1.00	69.96	50.00	1.563	1.117	1.40
62	23:44	1.00	1.161	1.00	70.22	50.00	1.615	1.150	1.40
63	18:40	1.00	0.913	1.00	67.70	50.00	1.228	0.907	1.35
64	21:49	1.00	1.067	1.00	65.44	50.00	1.872	1.430	1.31
65	20:09	1.00	0.985	1.00	40.51	50.00	0.155	0.191	0.81
66	26:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	26:37	1.00	0.998	1.00	0.52	50.00	0.012	1.184	0.01
68	26:46	1.00	1.003	1.00	74.50	50.00	1.523	1.022	1.49
69	26:34		0.995			50.00		0.086	
70	25:11	1.00	0.944	1.00	73.67	50.00	1.077	0.731	1.47
71	26:42	1.00	1.000	1.00	0.75	50.00	0.015	0.975	0.01
72	28:49	1.00	1.080	1.00	87.24	50.00	3.046	1.746	1.74
73	24:26		0.870			150.00		0.002	
74	32:17		1.210			50.00		0.880	
75	39:55		1.496			50.00		0.475	
76	40:06		1.503			50.00		0.551	
77	42:10		1.580			50.00		0.788	
78	30:40		1.149			50.00		1.044	
79	30:46		1.153			50.00		0.997	

AR101950

c 383

ORIGINAL

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 9:48
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 158 2N)

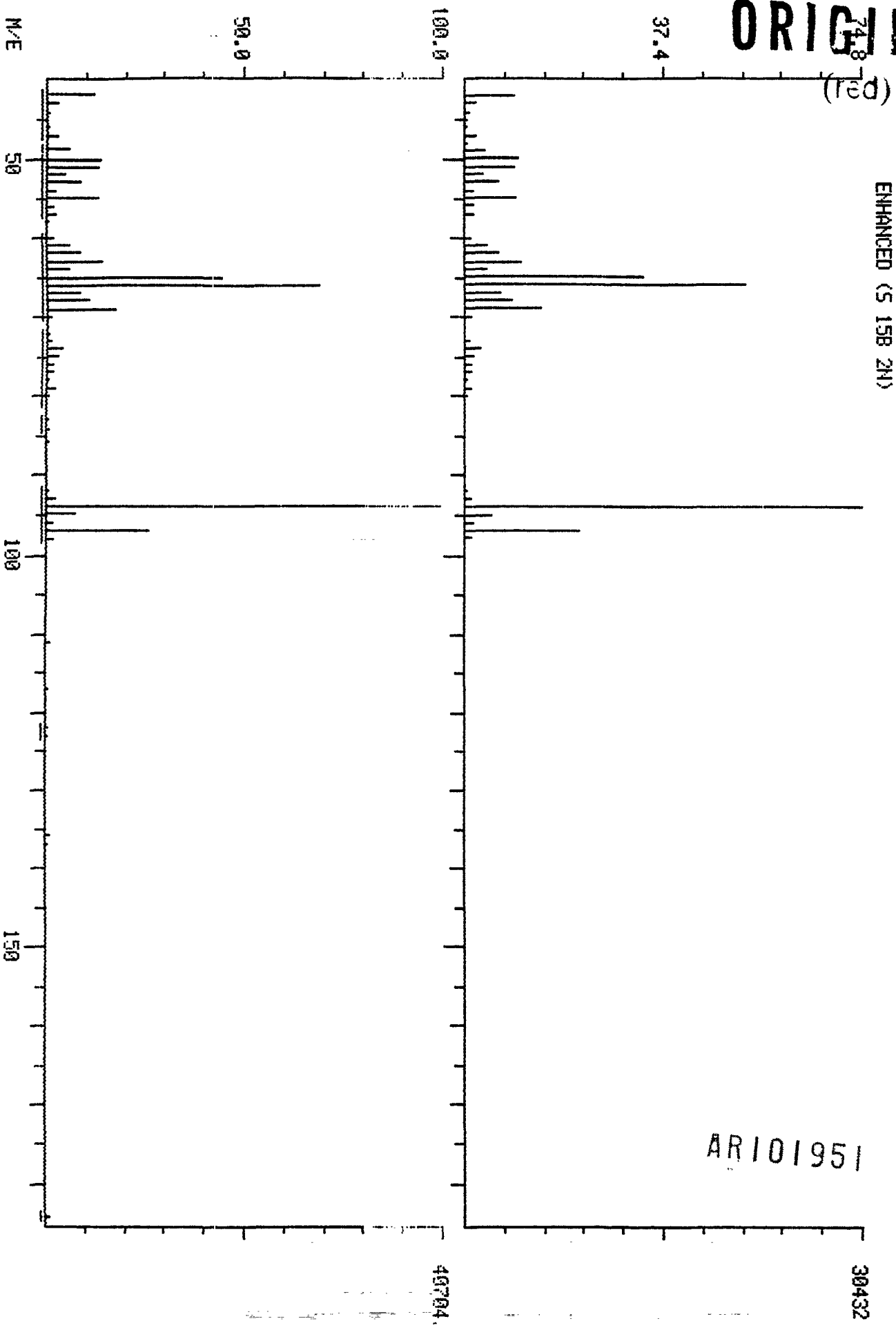
MEAD COMPUTHER

DATA: GH023960014 #784

BASE M/E: 94/ 94
RIC: 131593. / 175359.

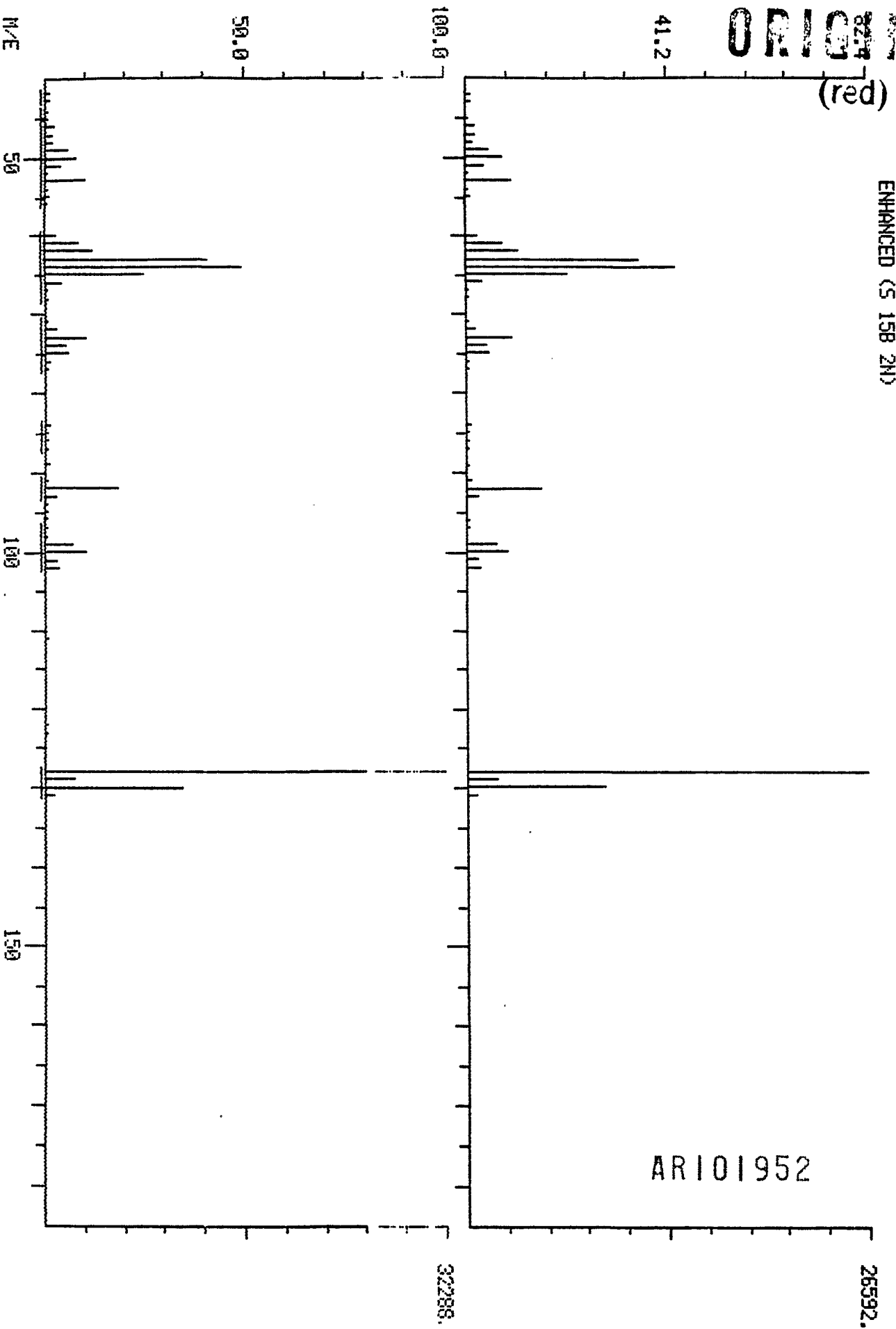
861P

AR101951



C 384

ORIGINAL



DUAL MASS SPECTRUM
 01/14/83 13:09:00 + 10:34
 SAMPLE: 1 UL 23960 F5CC MED. LEVEL
 ENHANCED (5 158 2N)

MEAD COMPUTER

DATA: GH023960A14 #806

BASE M/E: 128 / 128
 RIC: 110079. / 130303.

Handwritten signature

AR101952

26592.

32288.

C. 385

ORIGINAL

(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 10:22
SAMPLE: 1 UL 23960 FSOC MED. LEVEL
ENHANCED (5 158 2N)

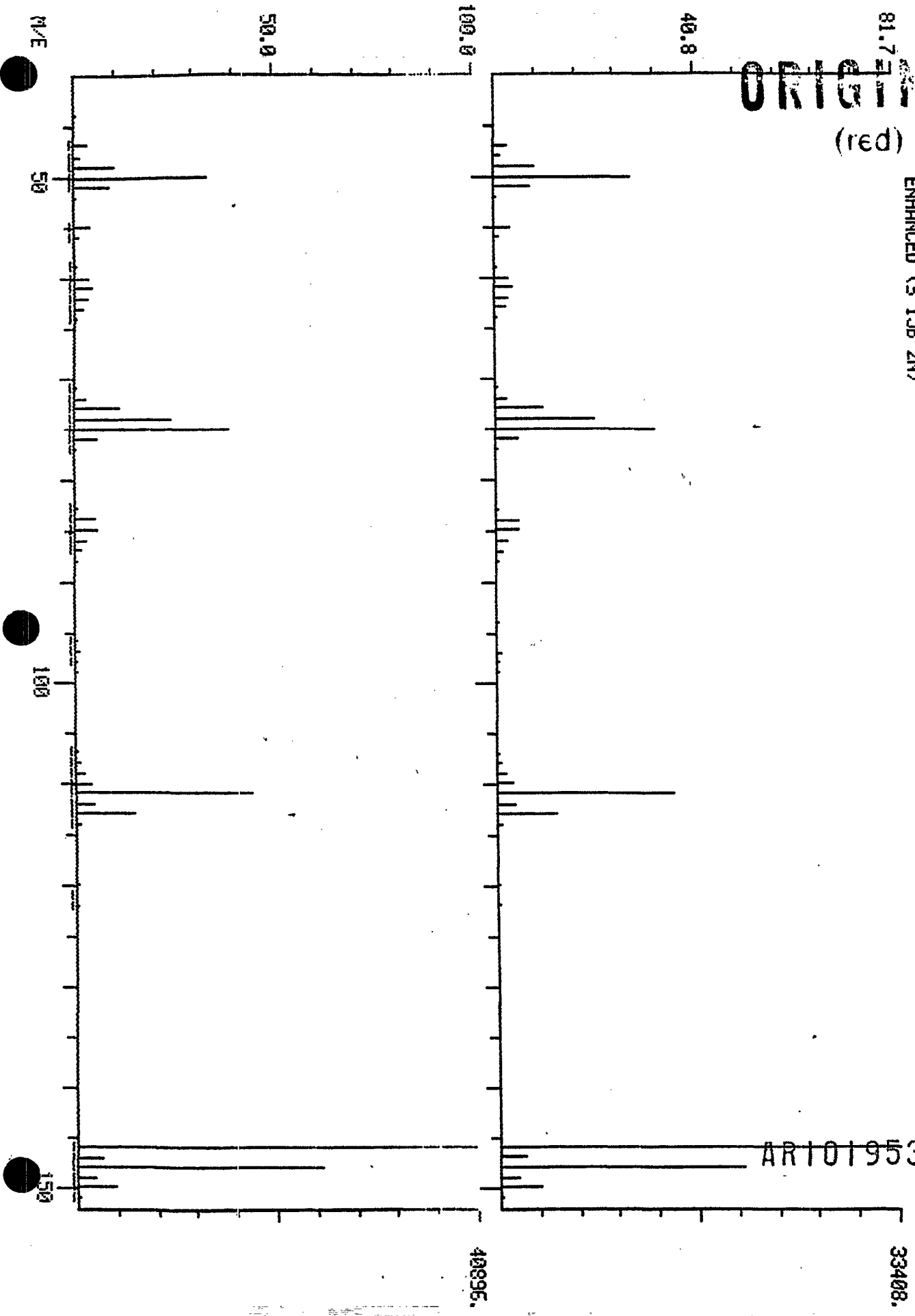
MEAD COMPUTCHEM

DATA: GH023960A14 #829

BASE M/E: 146/ 146
RIC: 146943. / 179697.

042

ART101953



m/e

50.0

100.0

40.8

50

100

150

40896.

33408.

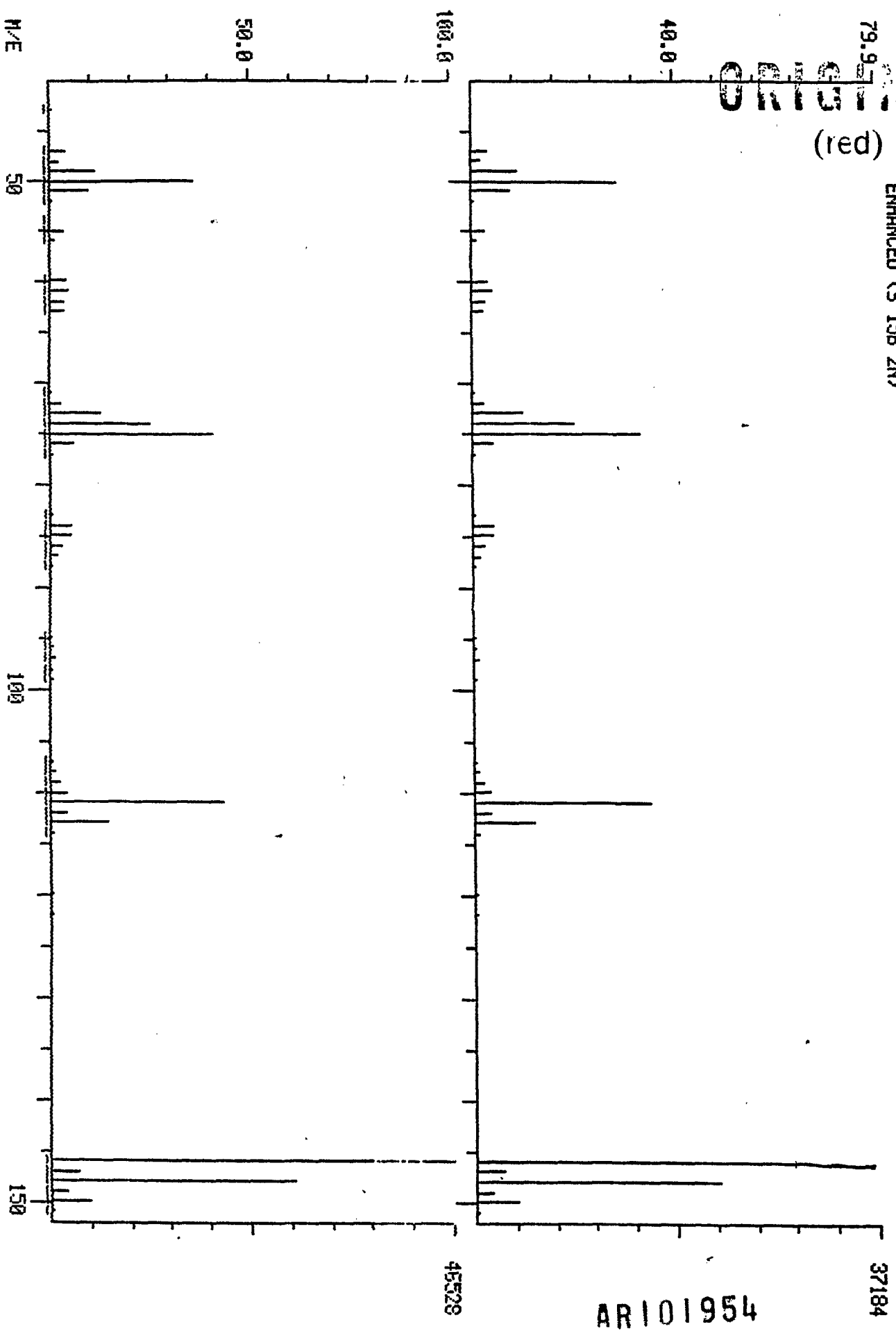
0422

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 14:28
SAMPLE: 1 UL 23950 F50C MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHER

DATA: GH023950R14 #838
BASE M/E: 145/ 146
RIC: 164597 / 205311.

ORIGINAL
(red)



AR101954

98

C 387

ORION

(red)

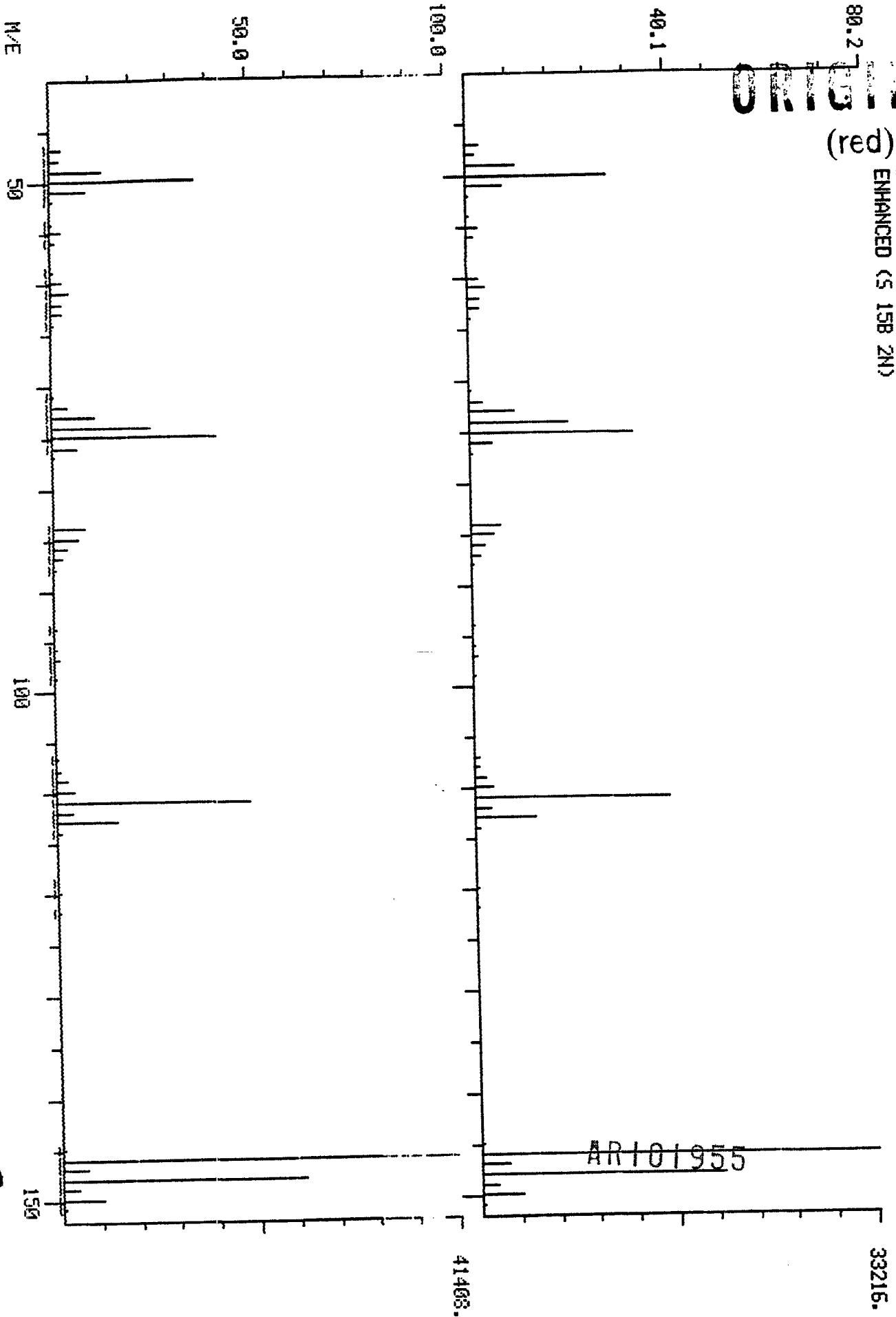
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 10:52
SAMPLE: 1 UL 23960 F5CC MED. LEVEL
ENHANCED (S 15B 2N)

MEAD COMPUTHER

DATA: GH023960A14 #869

BASE M/E: 146/ 146
RIC: 151295./ 188927.

09 24



AR101955

c3 88

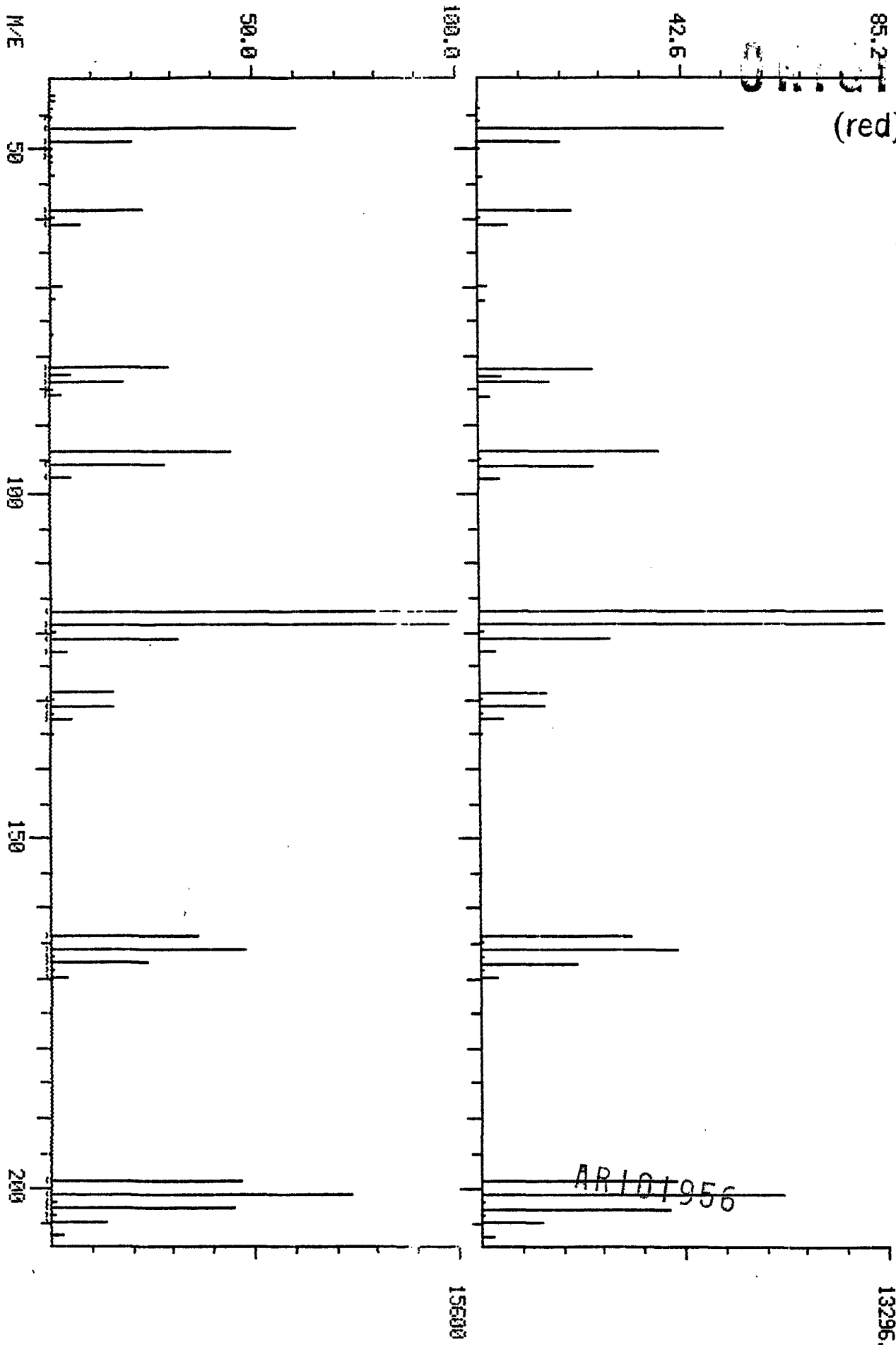
MEAD COMPUTHER

DATA: GH023960A14 #920

BASE M/E: 119/ 117
RIC: 109823./ 129279.

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 11:30
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 158 2N)

(red)



PK 36

C 389

ORIGINAL

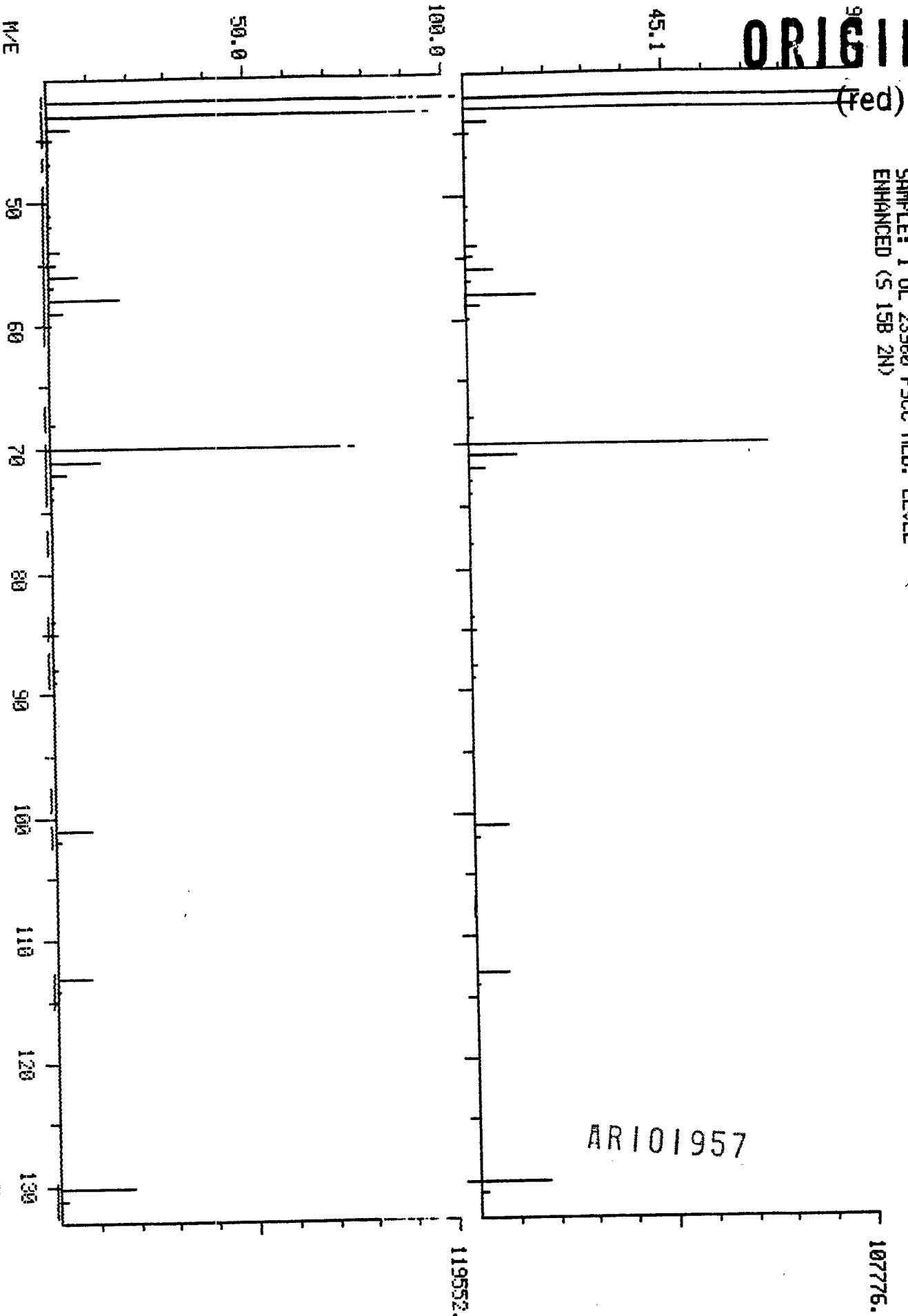
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 11:24
SAMPLE: 1 UL 23960 F5CC MED. LEVEL
ENHANCED (S 15B 2N)

MEAD COMPUTCHEM

DATA: GH023960A14 #912

BASE M/E: 42/ 42
RIC: 403967./ 443391.

0442



C 390

ORIGINAL

(red)

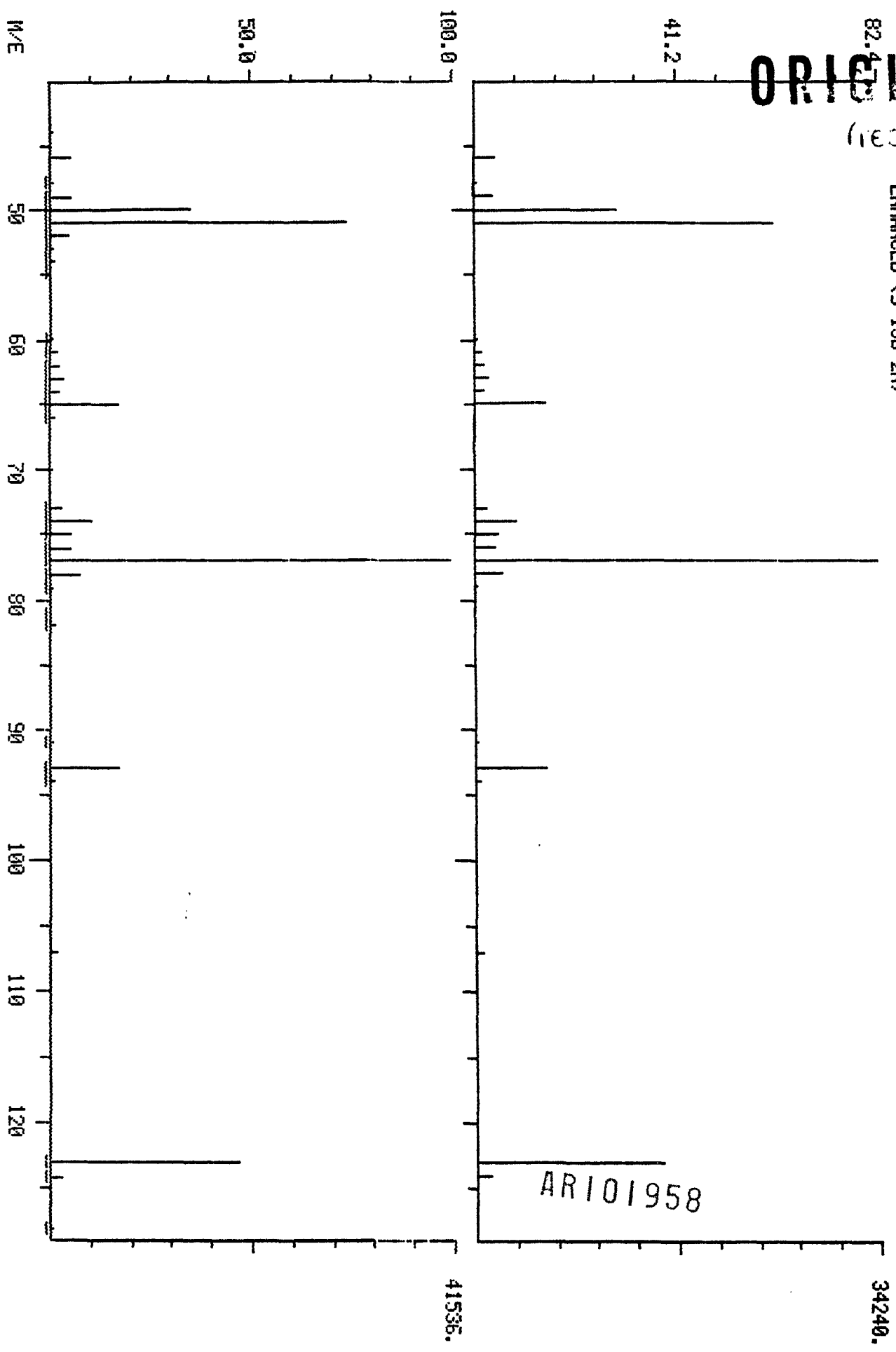
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 11:42
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTHER

DATA: GH023950A14 #936

BASE M/E: 77/ 77
RIC: 119039. / 147967.

0440



AR101958

ORIGINAL

(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 13:04
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTCHEM

DATA: CH023960A14 #1045 BASE M/E: 180/ 180
RIC: 162047./ 185593.

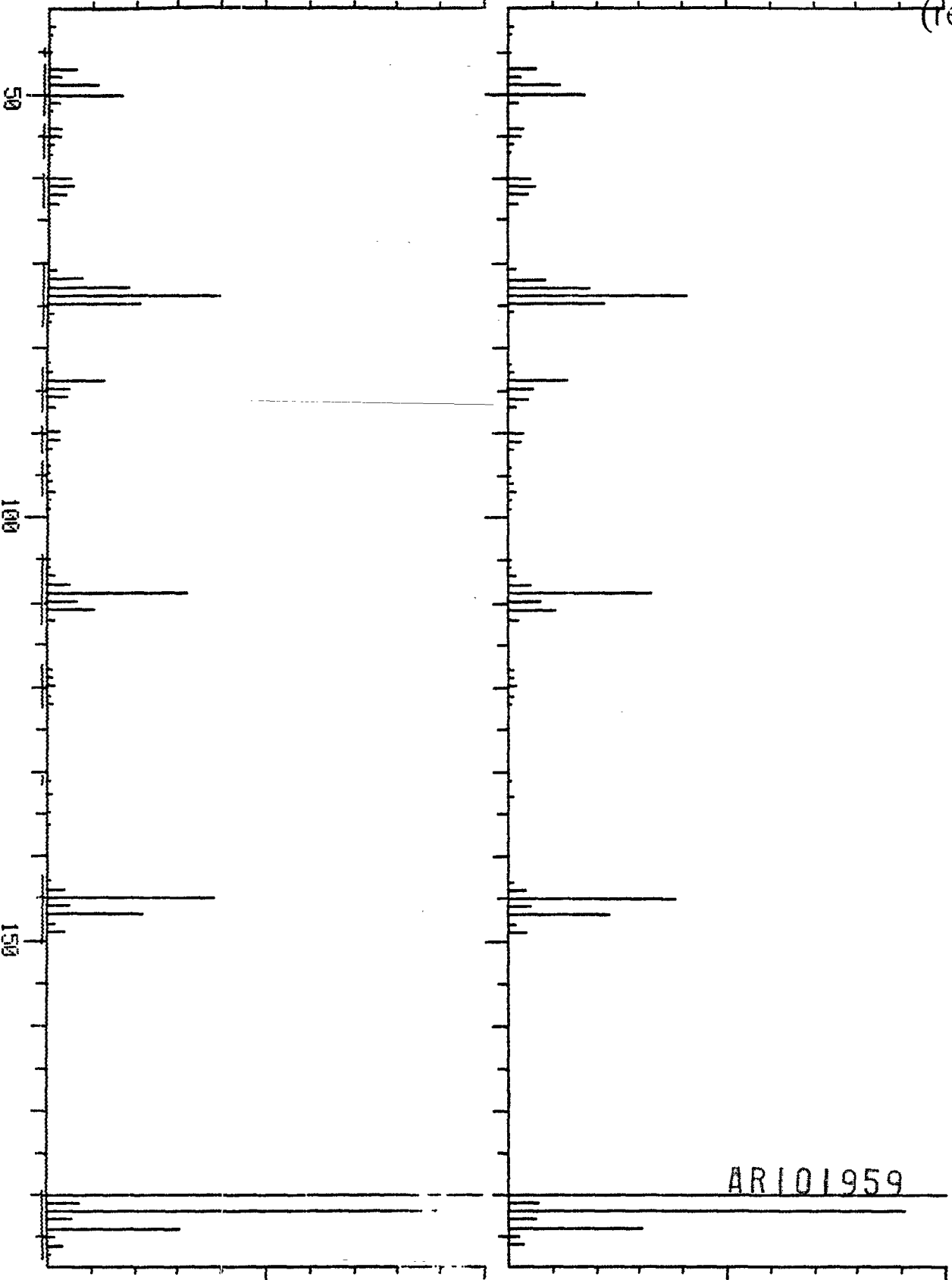
2446

42.9

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50.0

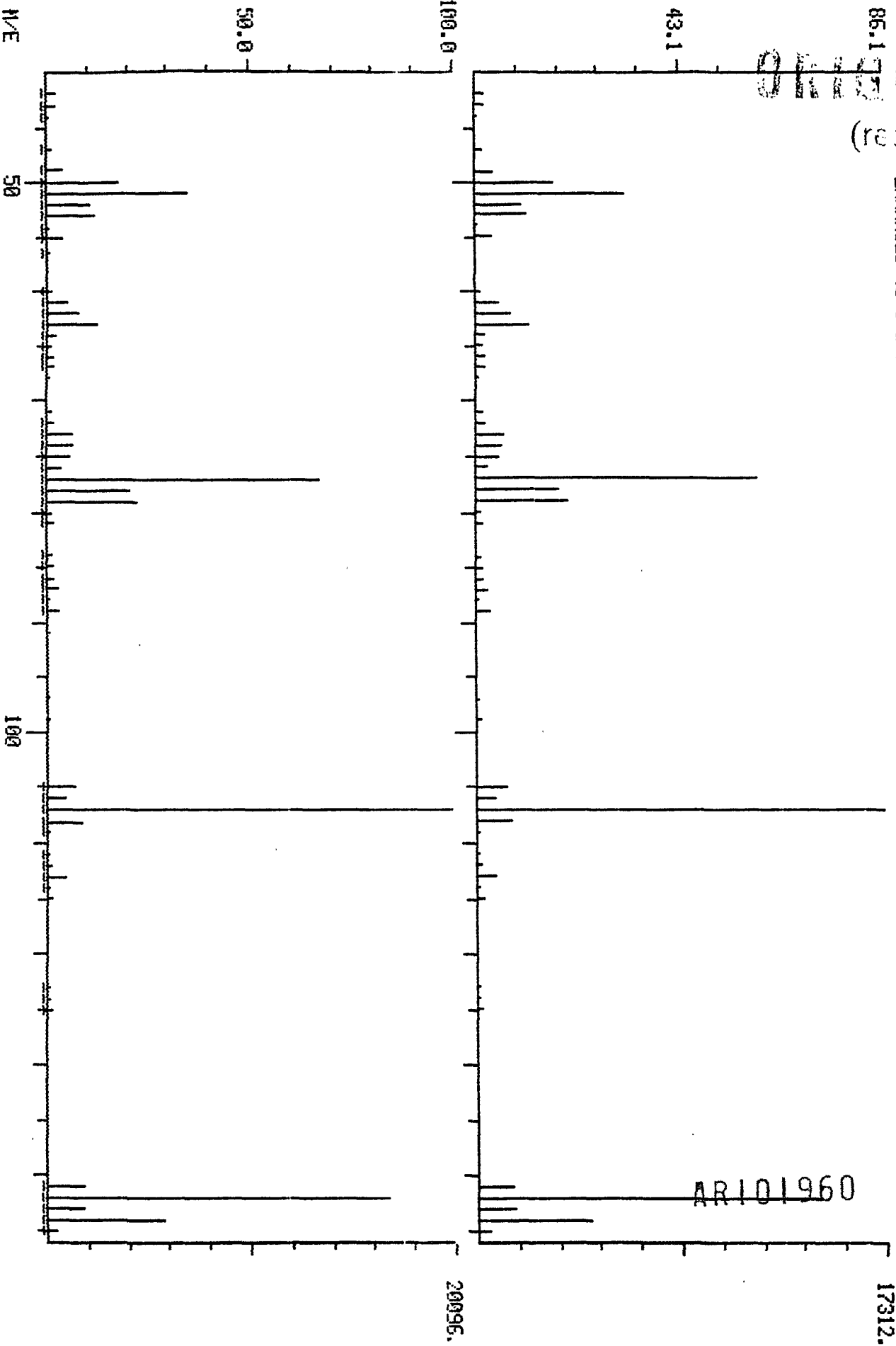
M/E



27648.

32224.

c 392



(72)

DUAL MASS SPECTRUM
 01/14/83 13:09:00 + 14:23
 SAMPLE: 1 UL 23960 FSCC MED. LEVEL
 ENHANCED (5 158 2N)

MEAD COMPUTCHEM

DATA: GH023960R14 #1151 BASE M/E: 107 / 107
 RIC: 94463. / 108287.

0608

AR101960

17312.

20096.

C 393

ORIGINAL

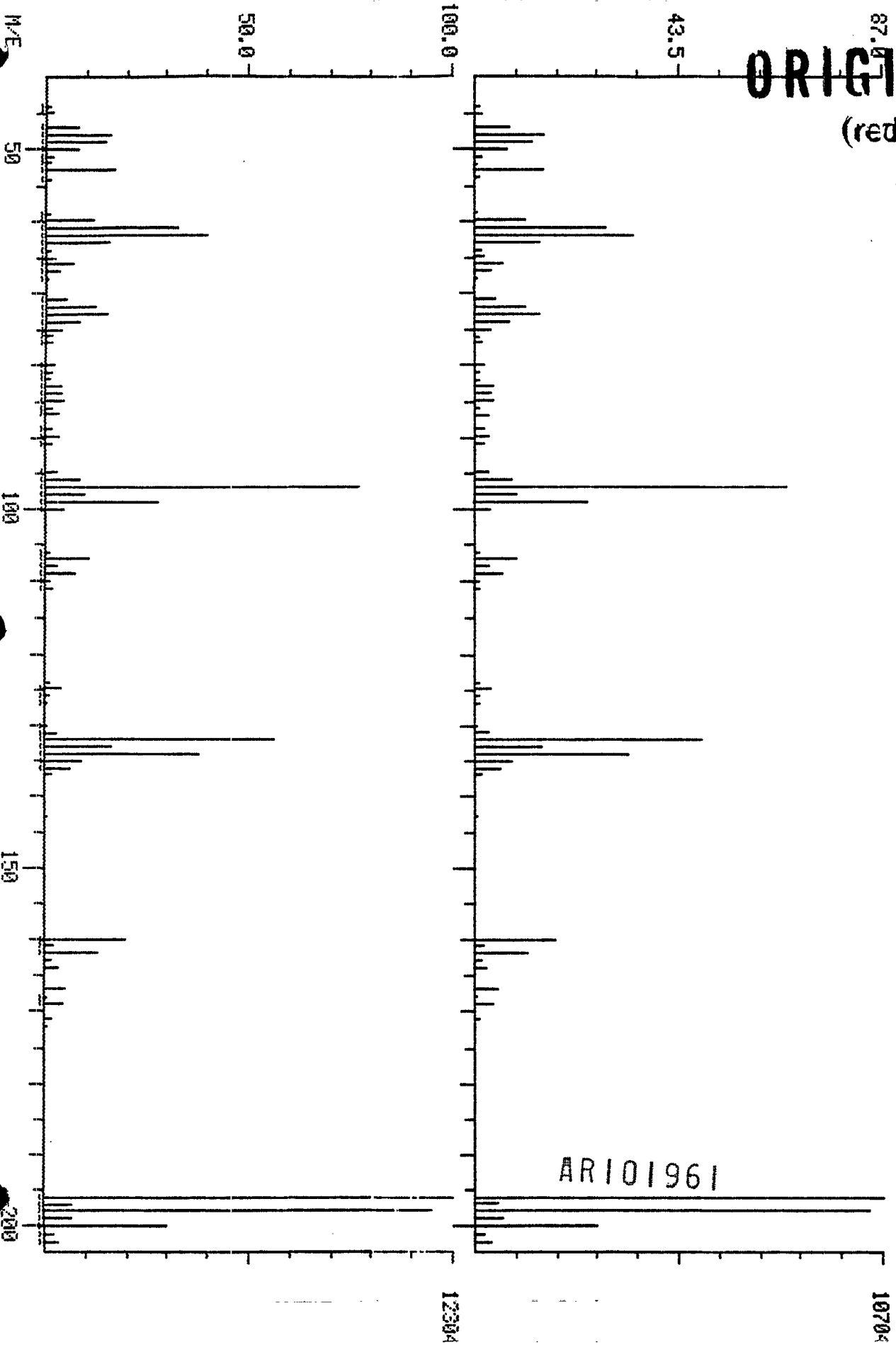
(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 15:25
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTCHEM

DATA: GH023960A14 #1233 BASE M/E: 196/ 196
RIC: 91007/ 104575.

2611



C 394

ORIGINAL

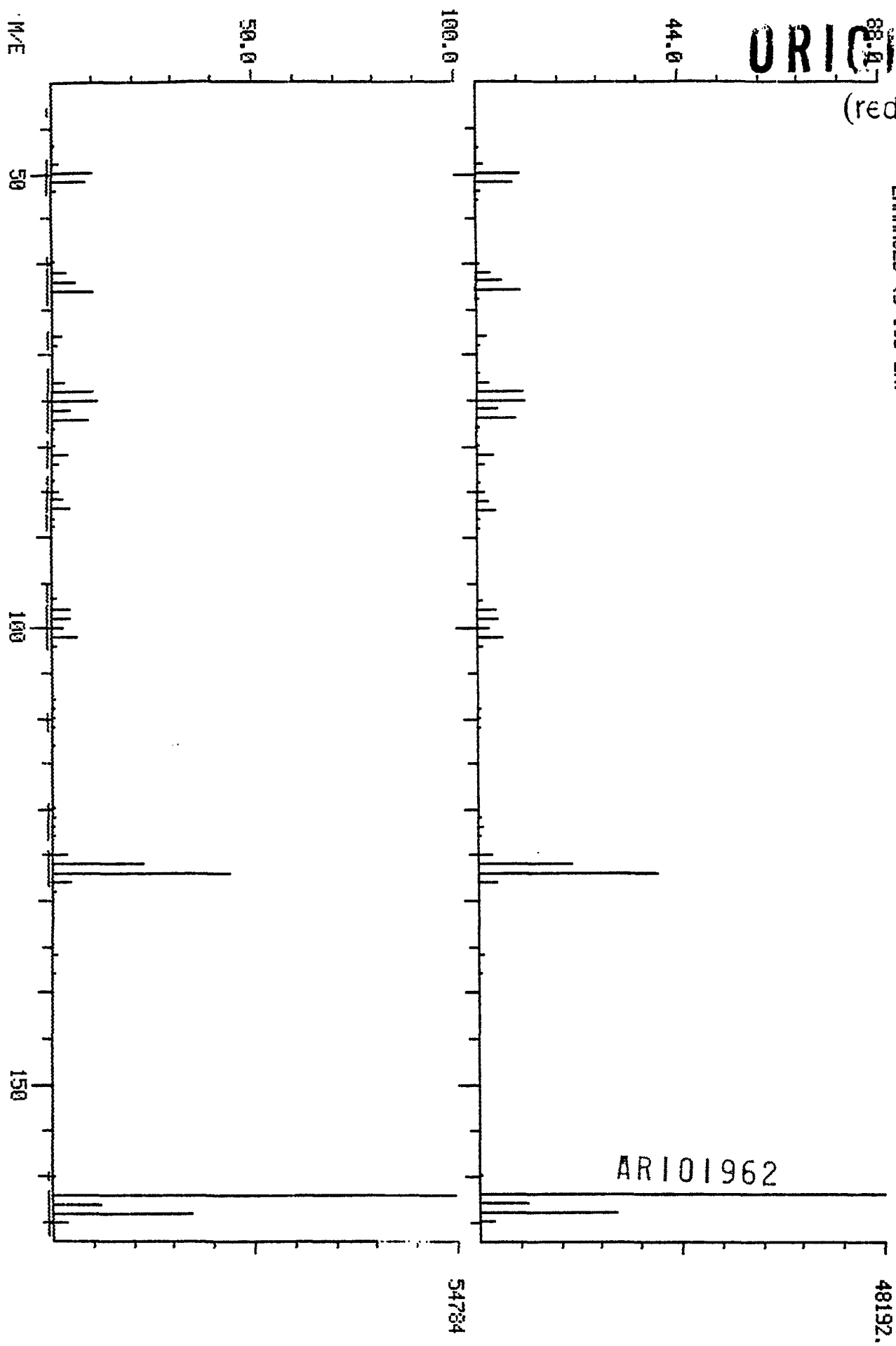
(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 15:49
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 15B 2N)

HEAD COMPUTER

DATA: GH023960014 #1266 BASE M/E: 162/ 162
RIC: 172739./ 191743.

Ø 411



C 395

ORIGINAL

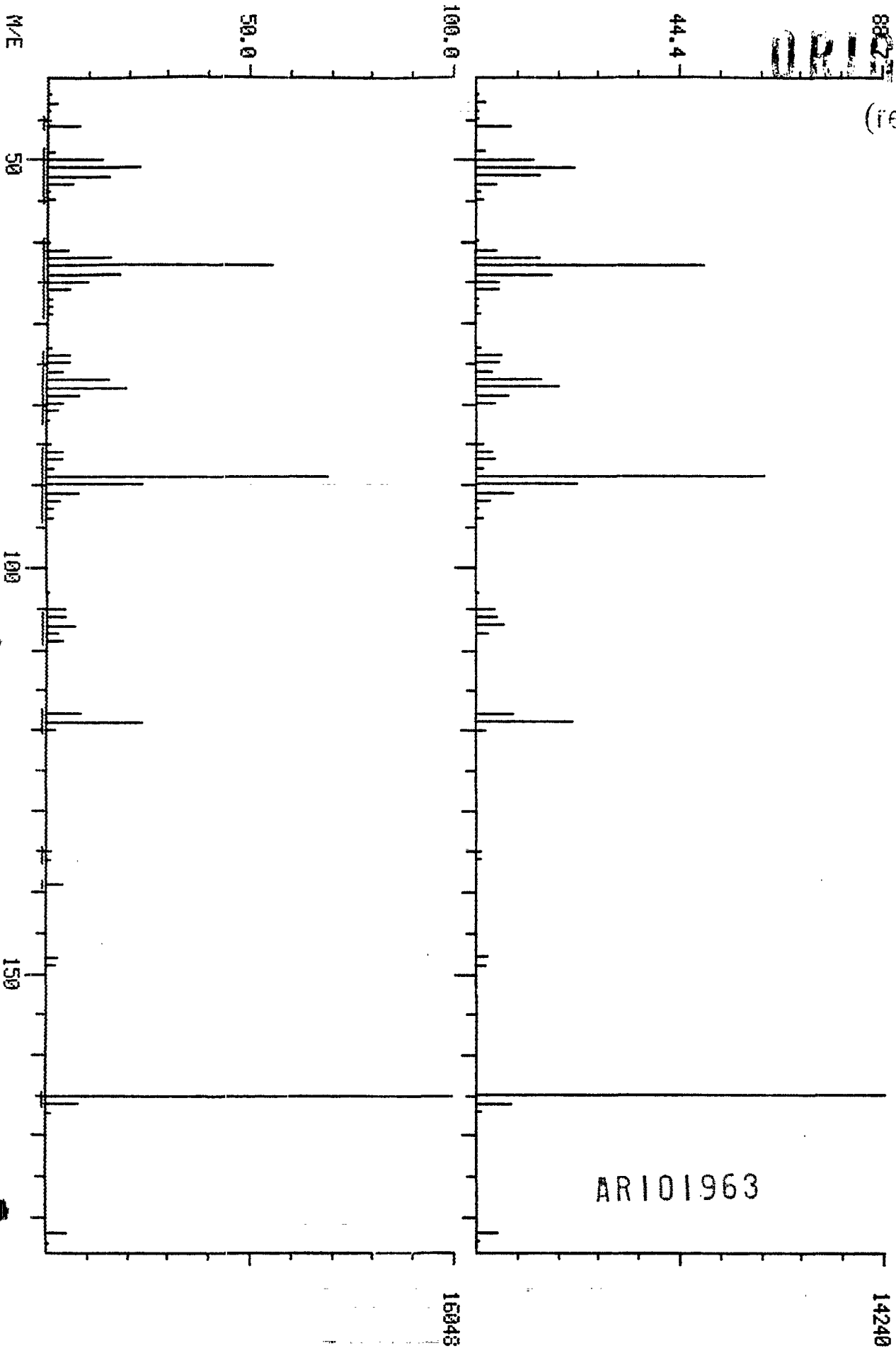
(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 17:38
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 15R 2M)

MEAD COMPUTER

DATA: GH023960A14 #1411 BASE M/E: 165/ 165
RIC: 78335./ 88359.

0427



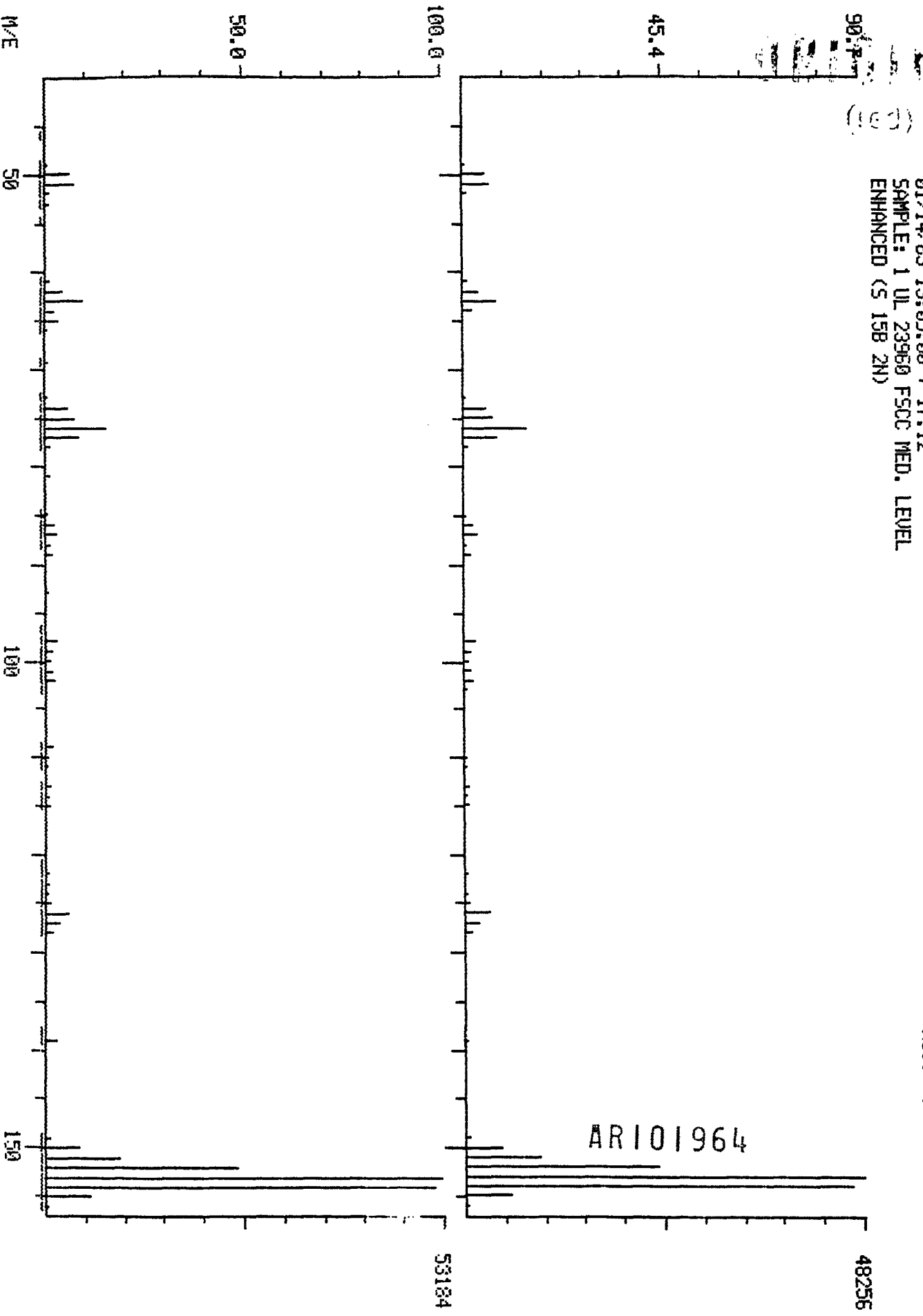
C 396

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 17:12
SAMPLE: 1 UL 23960 F50C MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTED

DATA: GH023960A14 #1376 BASE M/E: 153/ 153
RIC: 189183.7 215039.

Handwritten signature



AR101964

ORIGINAL

(red)

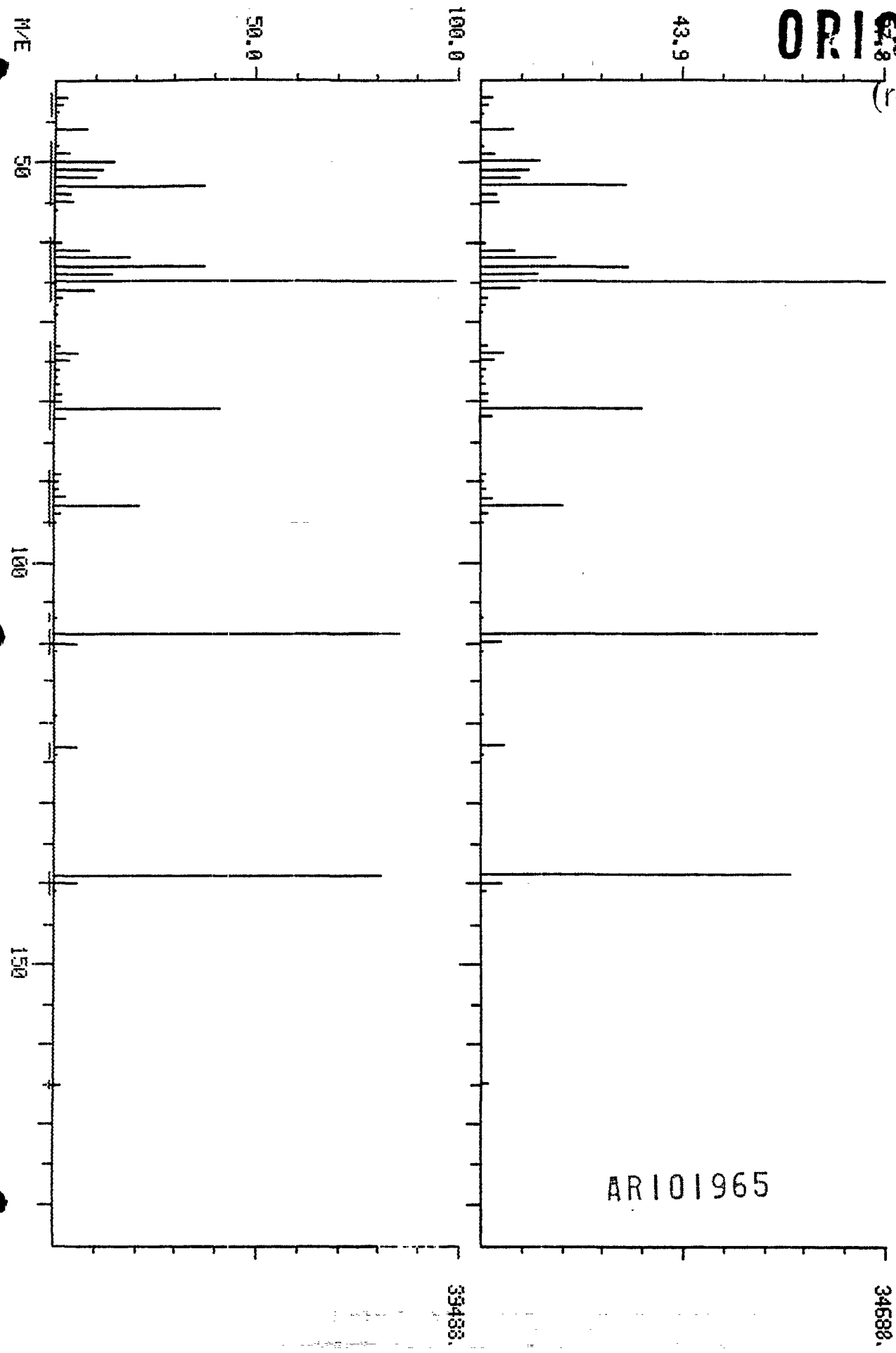
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 17:25
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHEN

DATA: GH023960A14 #1394 BASE M/E: 65/ 65
RIC: 194047. / 224767.

DL 107

AR101965



C 398

ORIGINAL

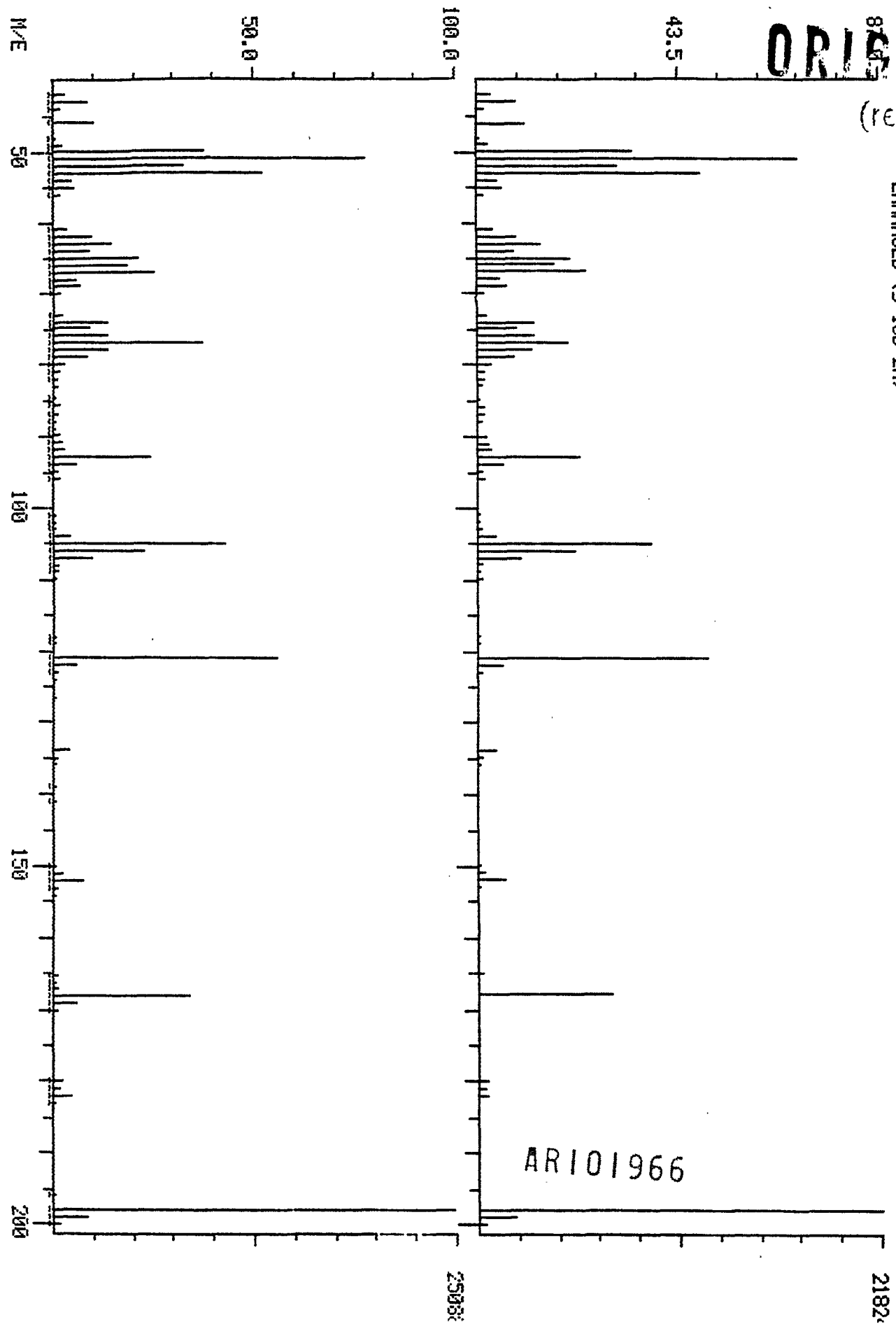
(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 18:34
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTER

DATA: GH023960A14 #1485 BASE M/E: 198/198
RIC: 181759./ 208127.

ABY



C 399

01/14/83

(red)

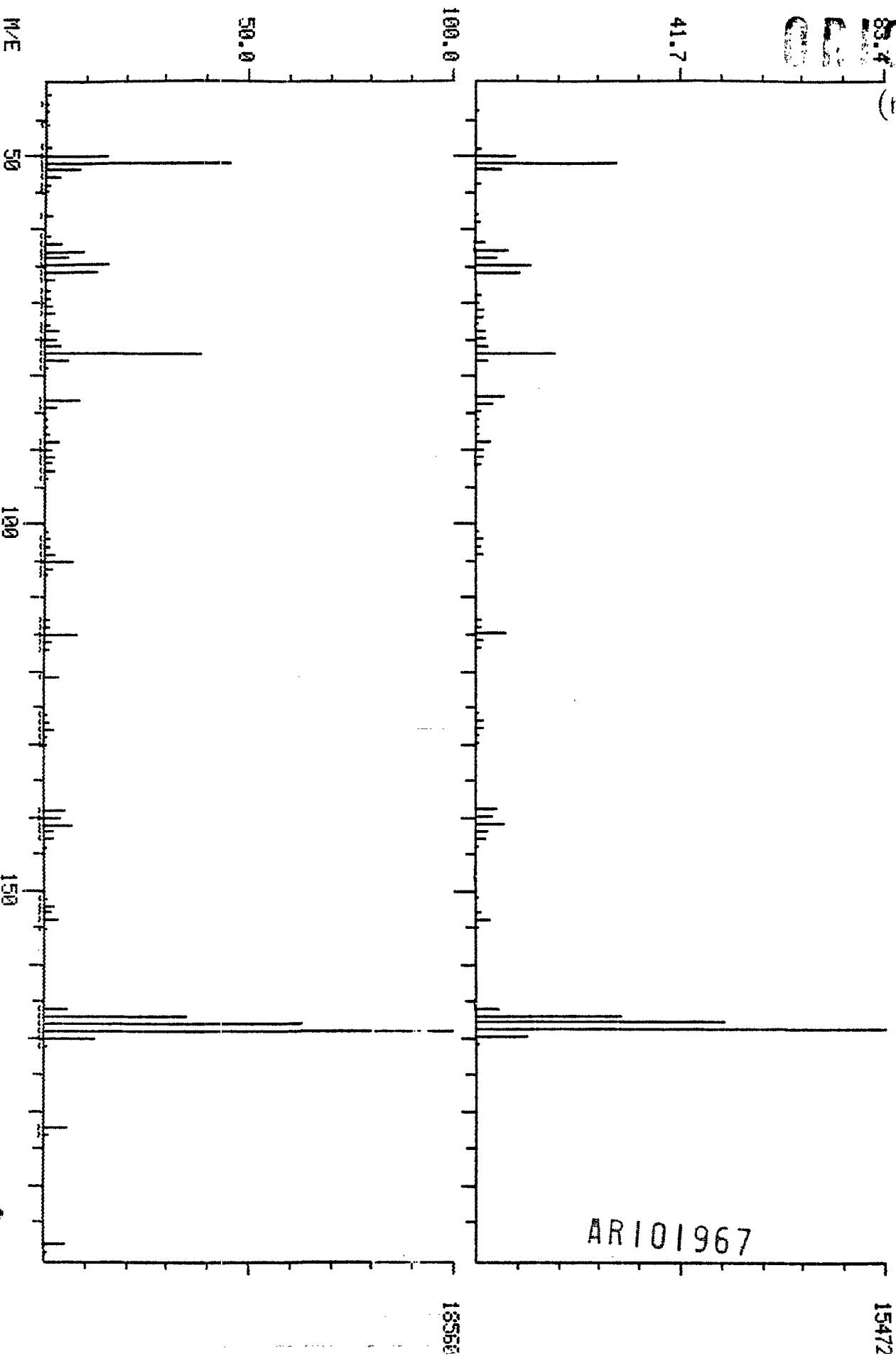
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 18:37
SAMPLE: 1 UL 239600 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHER

DATA: GH023960A14 #1489 BASE M/E: 169/ 169
RIC: 64191. / 95359.

8443

AR101967



C 400

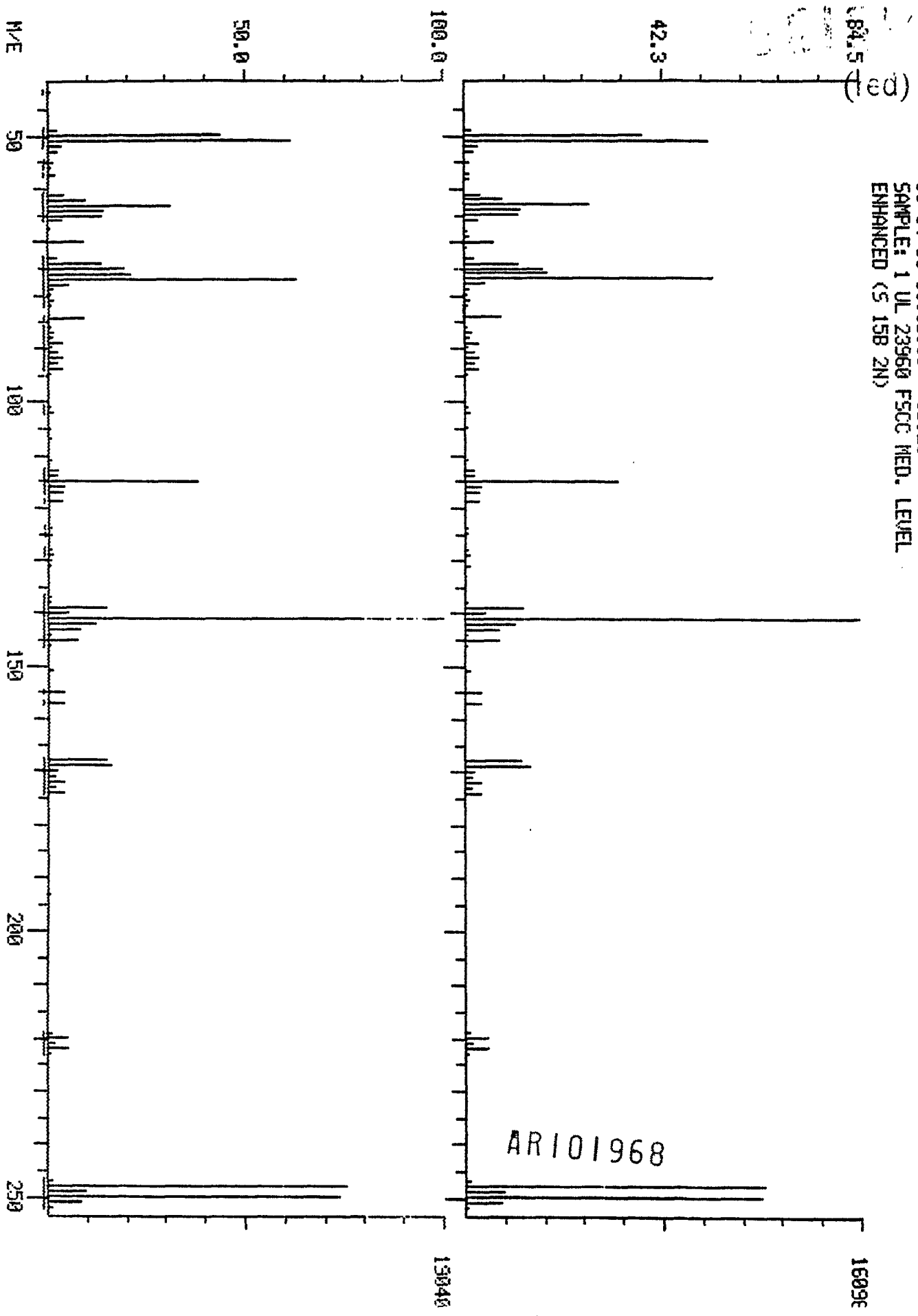
DUAL MASS SPECTRUM
01/14/83 13:09:00 + 19:25
SAMPLE: 1 UL 23960 F5CC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHER

DATA: GH023960A14 #1554 BASE M/E: 141/ 141
RIC: 12919./ 152319.

D914

AR101968



c 401

ORIGINAL

02.0

(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 20:37
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 158 2N)

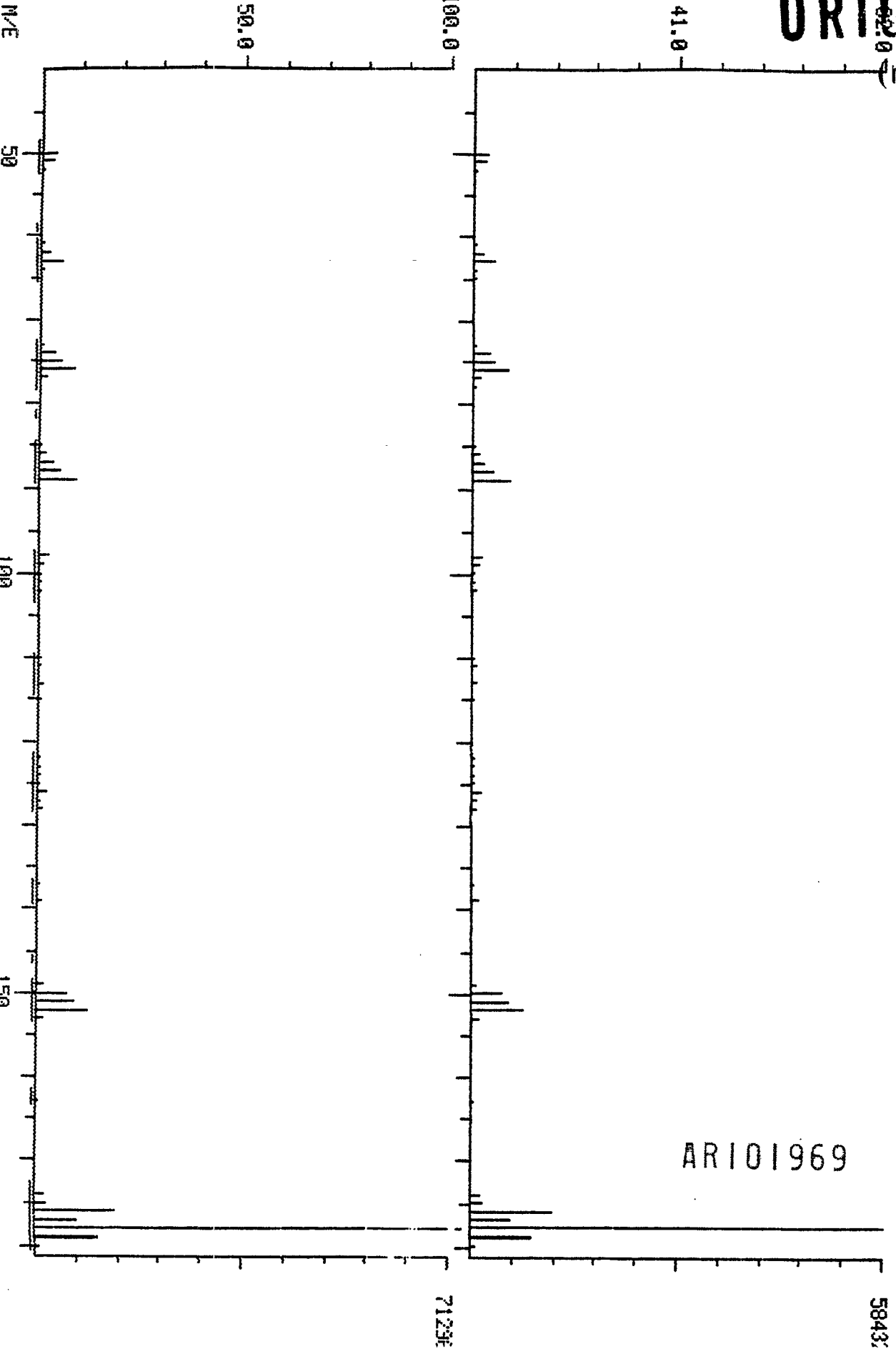
MEAD COMPUTCHEM

DATA: GH023960A14 #1650 BASE M/E: 178/ 178

RIC: 151039./ 182015.

0403

AR101969



58437

7123E

c 402

ORIGINAL

90.5111

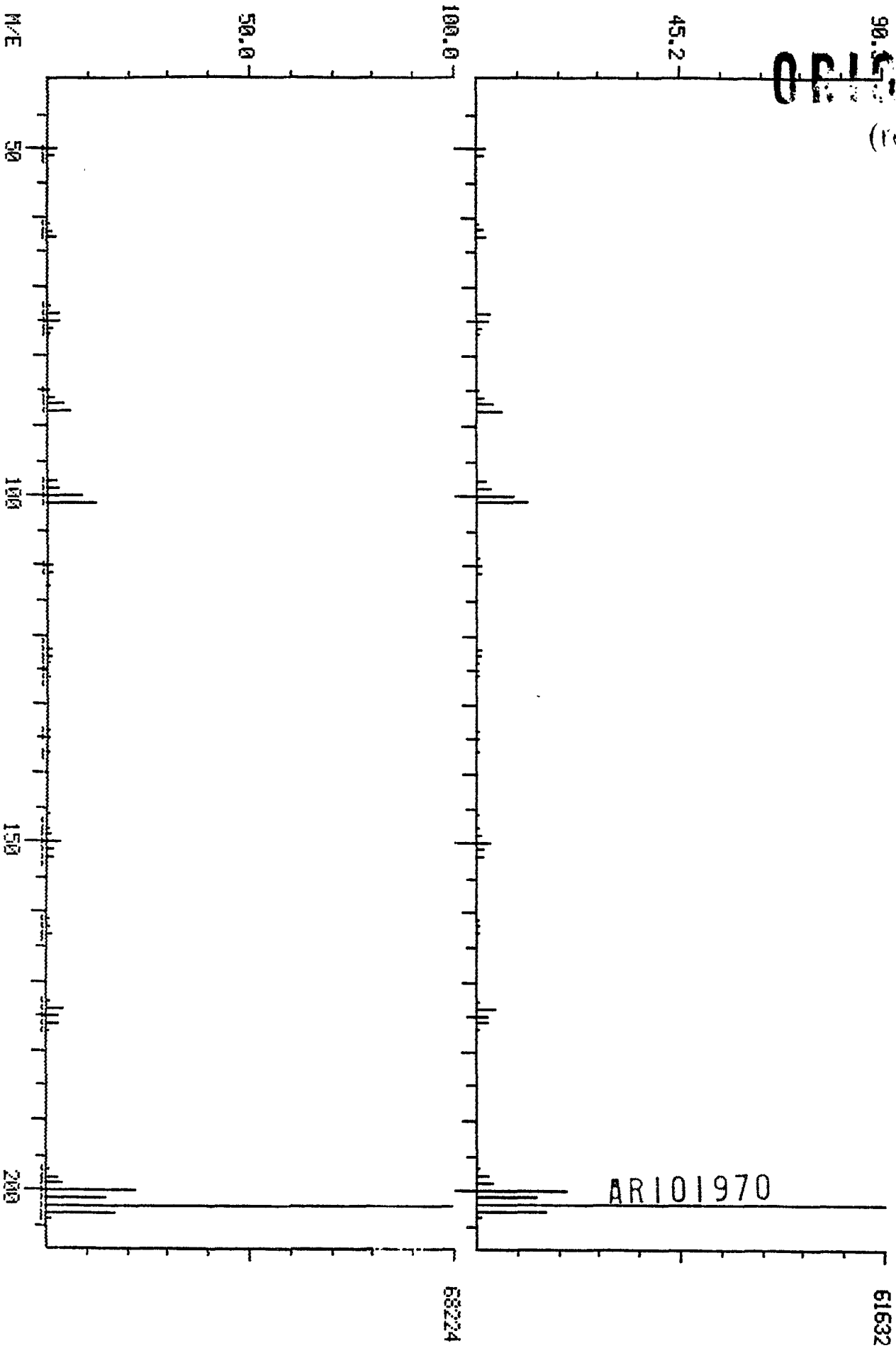
(P2)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 23:14
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 15B 2N)

MEAD COMPUTHER

DATA: GH023960A14 #1859 BASE M/E: 202/ 202
RIC: 154111. / 167679.

0431



c 403

ORIGINAL

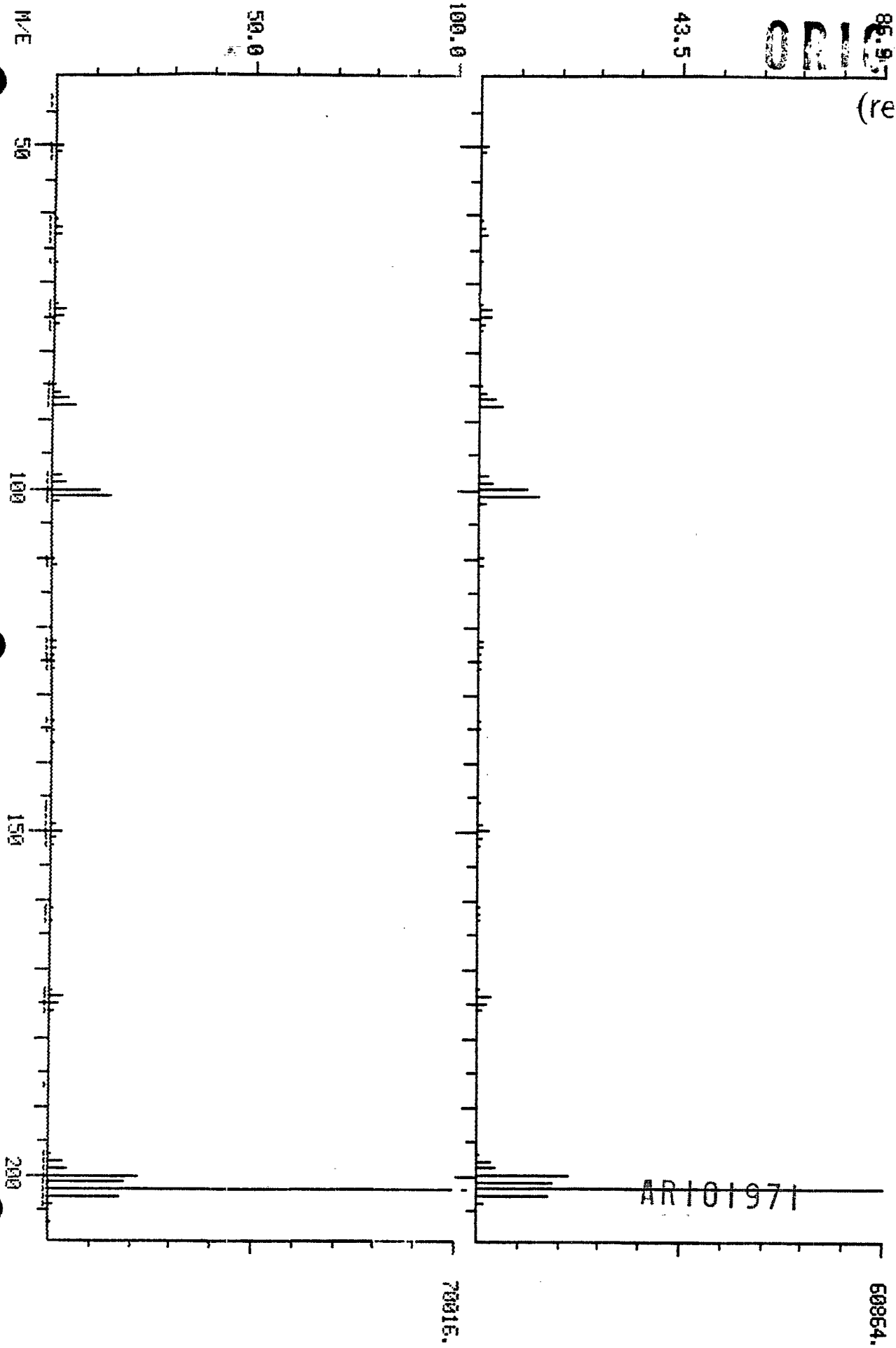
(red)

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 23:46
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTCHEM

DATA: GH023960A14 #1901 BASE M/E: 202 / 202
RIC: 153855. / 175615.

Ø 445

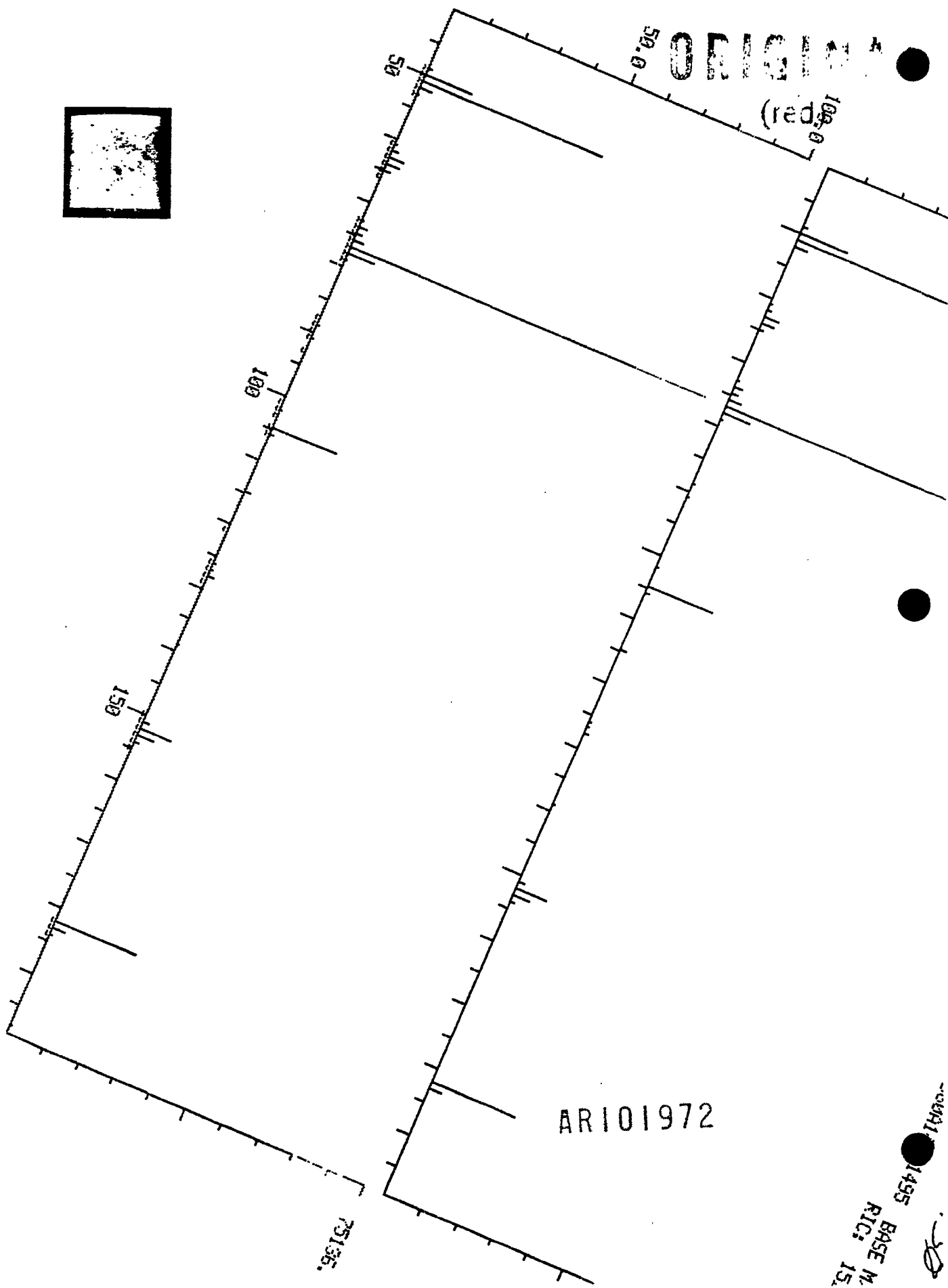


C.404
E



50.0
ORIGIN

(red) 100.0



75136.

1495
BASE M.
R.I.C. 15.
OK

C 405

01/14/83 13:09:00 + 20:10
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 15B 2N)

DUAL MASS SPECTRUM
MEAD COMPUTCHEM

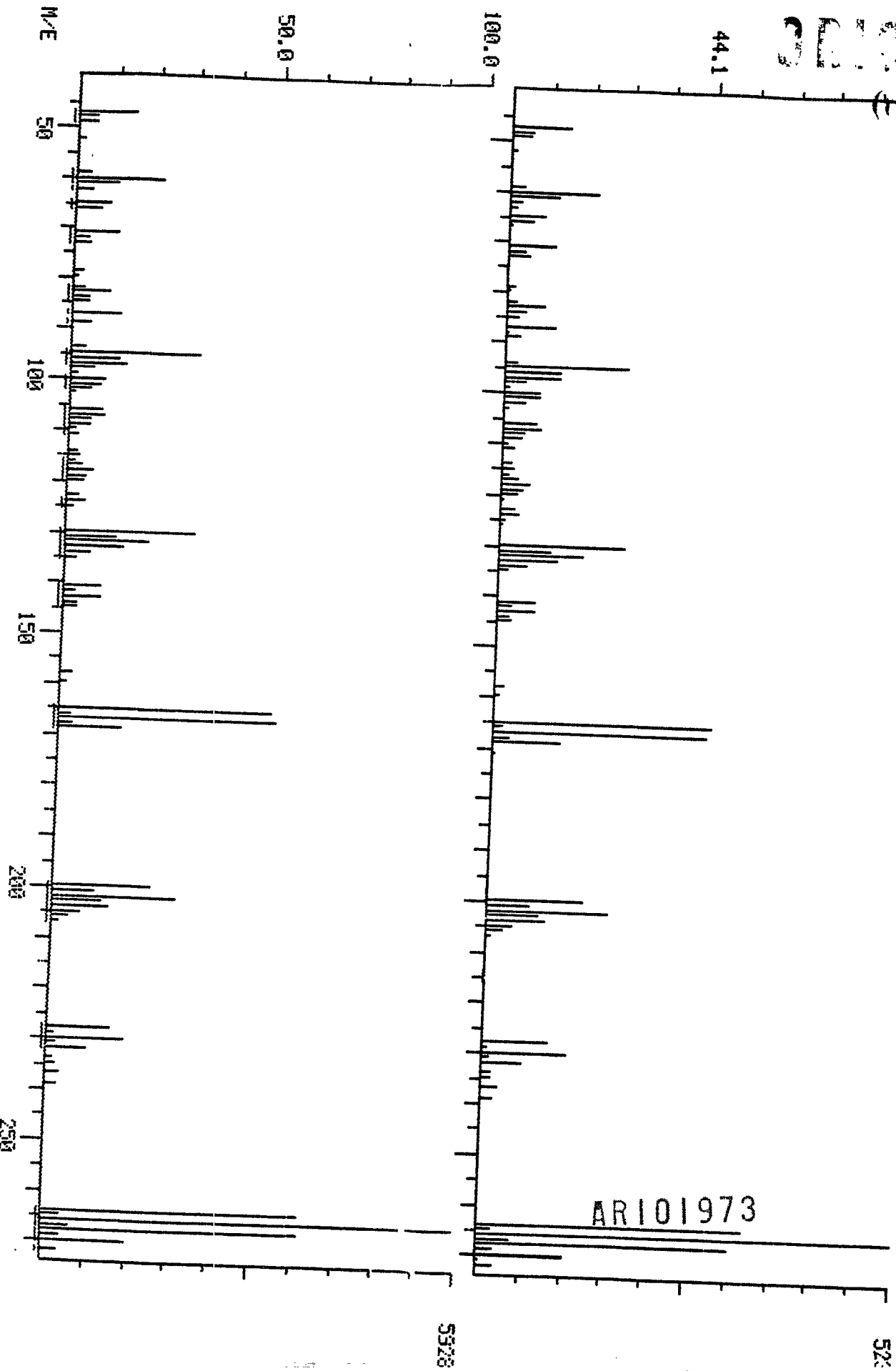
DATA: GH023960A14 #1613

BASE M/E: 265 / 265

RIC: 50495. / 56767.

0609

(P)



2 406

DUAL MASS SPECTRUM
01/14/83 13:09:00 + 28:51
SAMPLE: 1 UL 23960 FSCC MED. LEVEL
ENHANCED (S 158 2N)

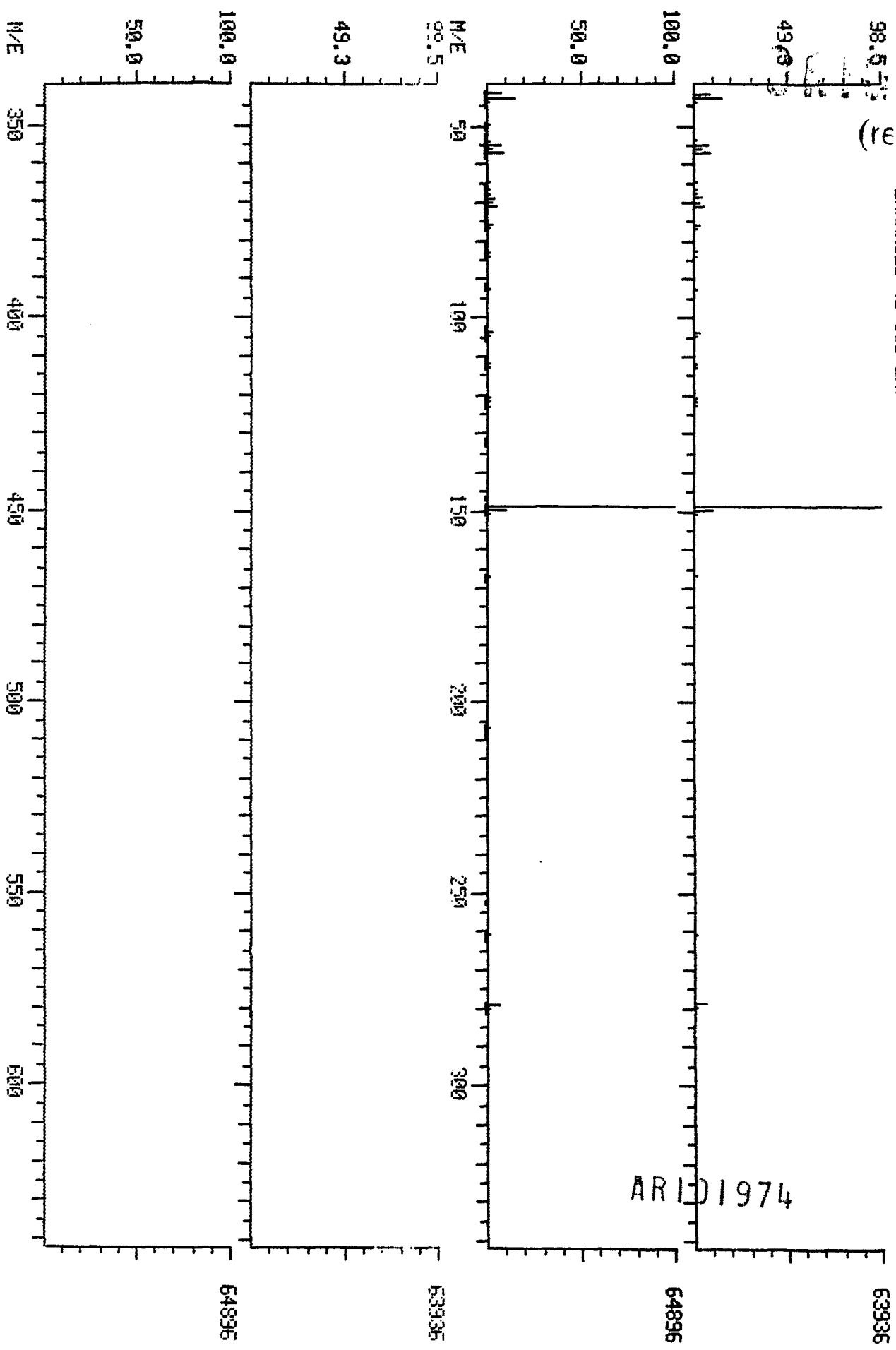
MEAD COMPUTHER

DATA: GH023960A14 #2308 BASE M/E: 149/ 149
RIC: 128511./ 133375.

Dr 29

(red)

ARID 1974



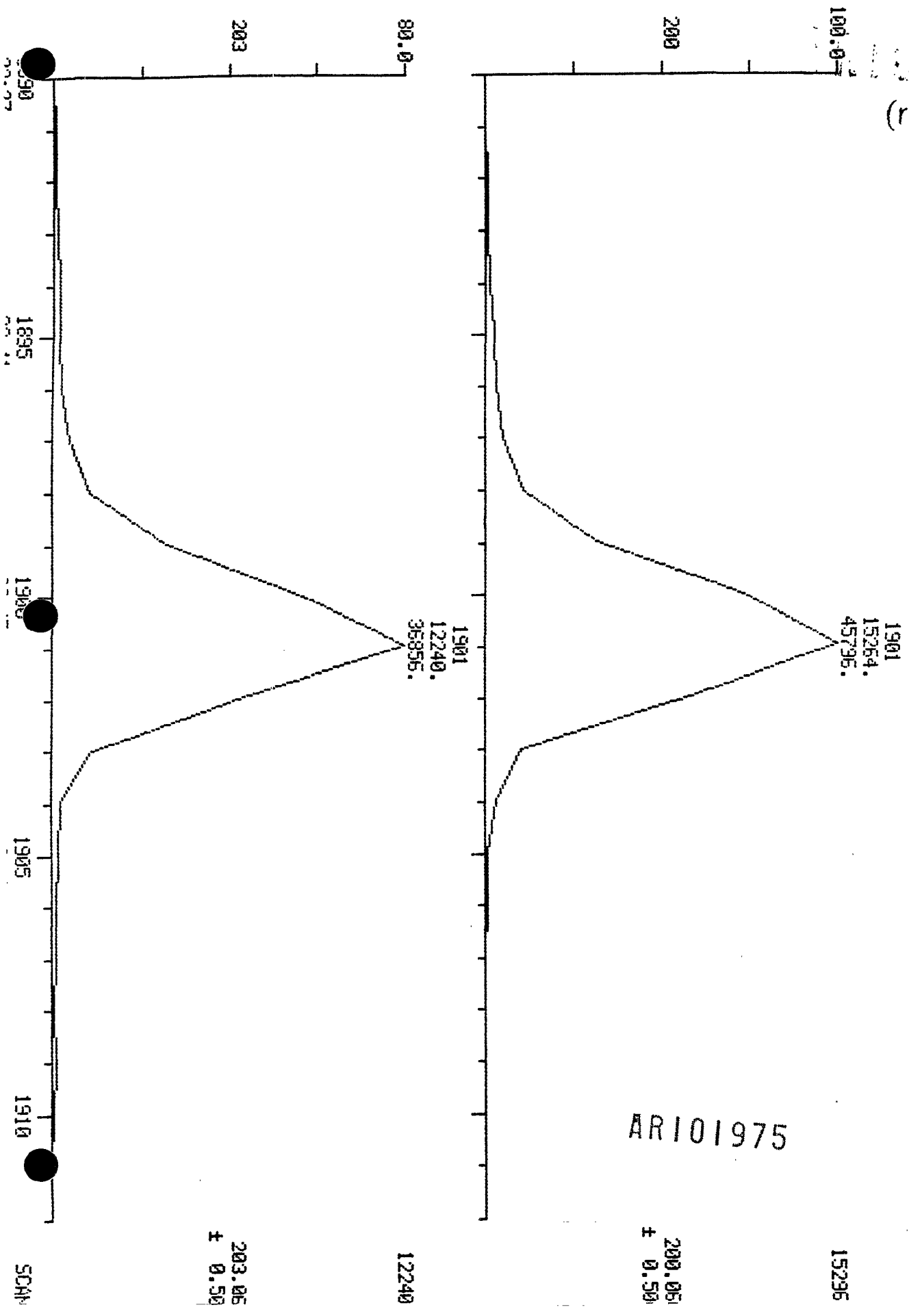
c 407

(red)

MASS CHROMATOGRAMS
01/14/83 13:09:00
SAMPLE: 1 UL 23960 FSCC MED. LEVEL

MEAD COMPUCHEN
DATA: GH023960A14
SCANS 1890 TO 1912

AR101975



203.06
± 0.50

200.05
± 0.50

12240

15296

SCAN

ORIGINAL

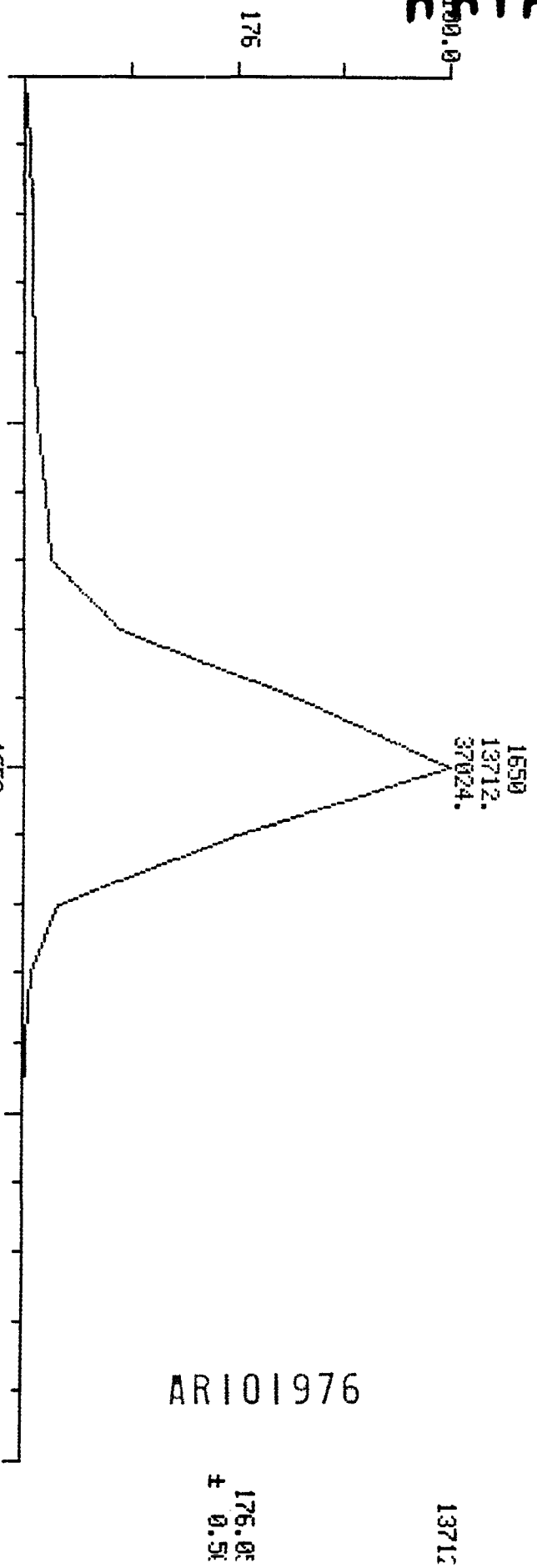
MASS CHROMATOGRAMS
01/14/83 13:03:00
SAMPLE: 1 UL 23960 F50C MED. LEVEL

HEAD COMPUCHEM

DATA: GH023960A14

SCANS 1640 TO 1660

2408



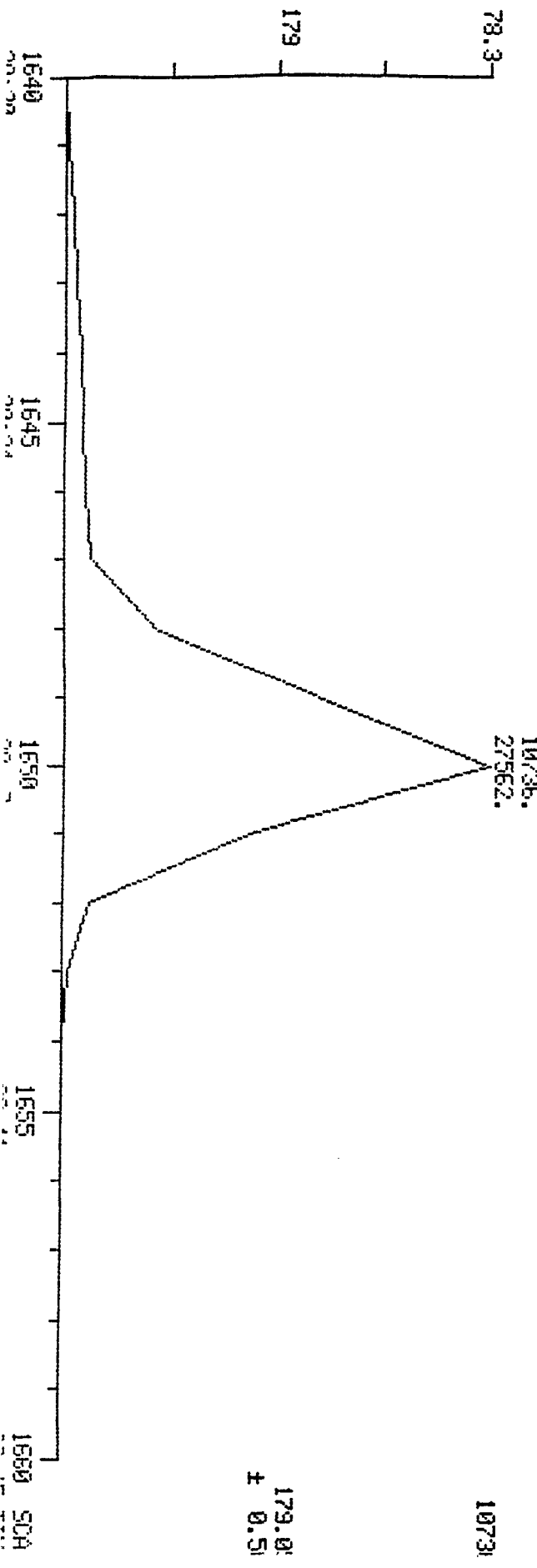
ARI01976

176.0E
± 0.5X

13712

179.0E
± 0.5X

10731



ORIGINAL

(red)

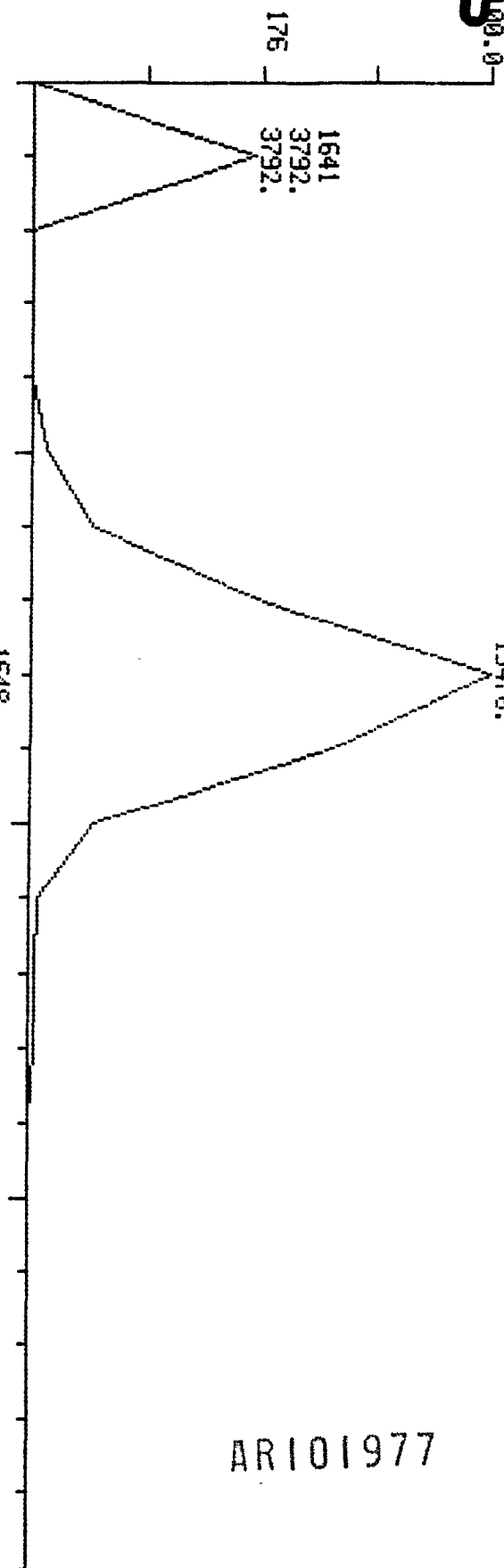
MASS CHROMATOGRAMS
01/14/83 10:03:00
SAMPLE: 1 UL FSCC STD. # 7077(2337) EXP.1.19.83

HEAD COMPUCHEM

DATA: HG330114A14

SCANS 1640 TO 1660

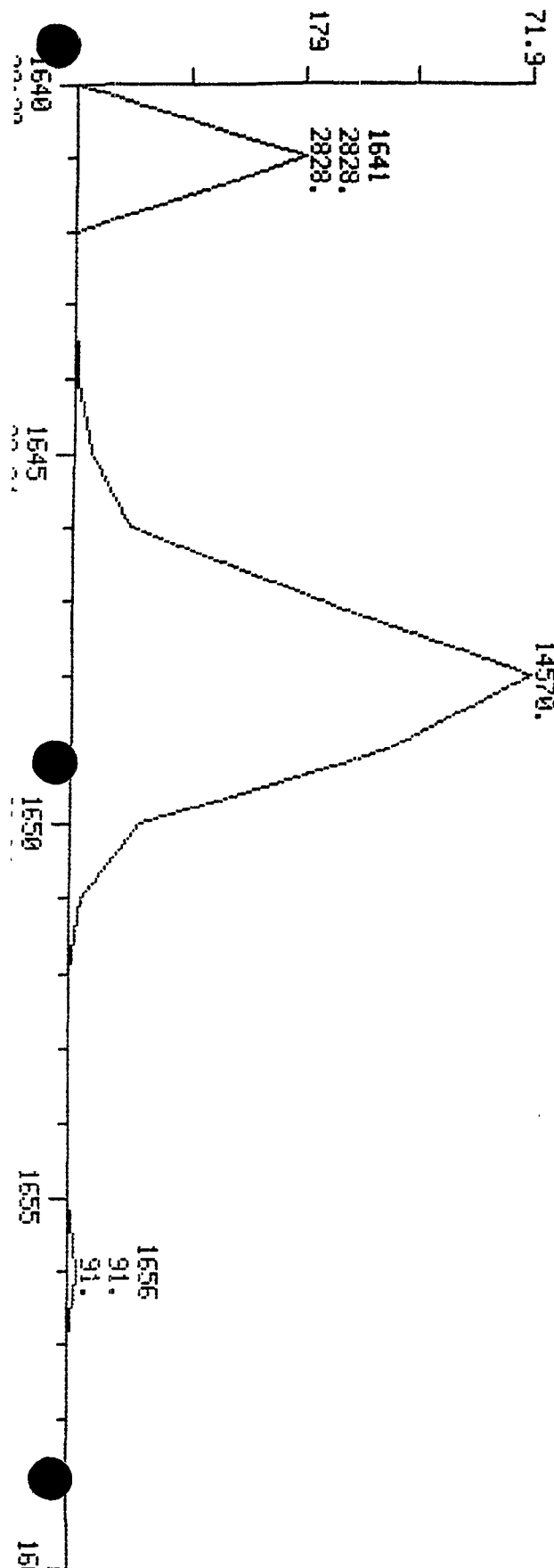
c 409



AR101977

176.0
± 0.5

783



179.0
± 0.5

563

1660 50%

C 410

ORIGINAL

(red)

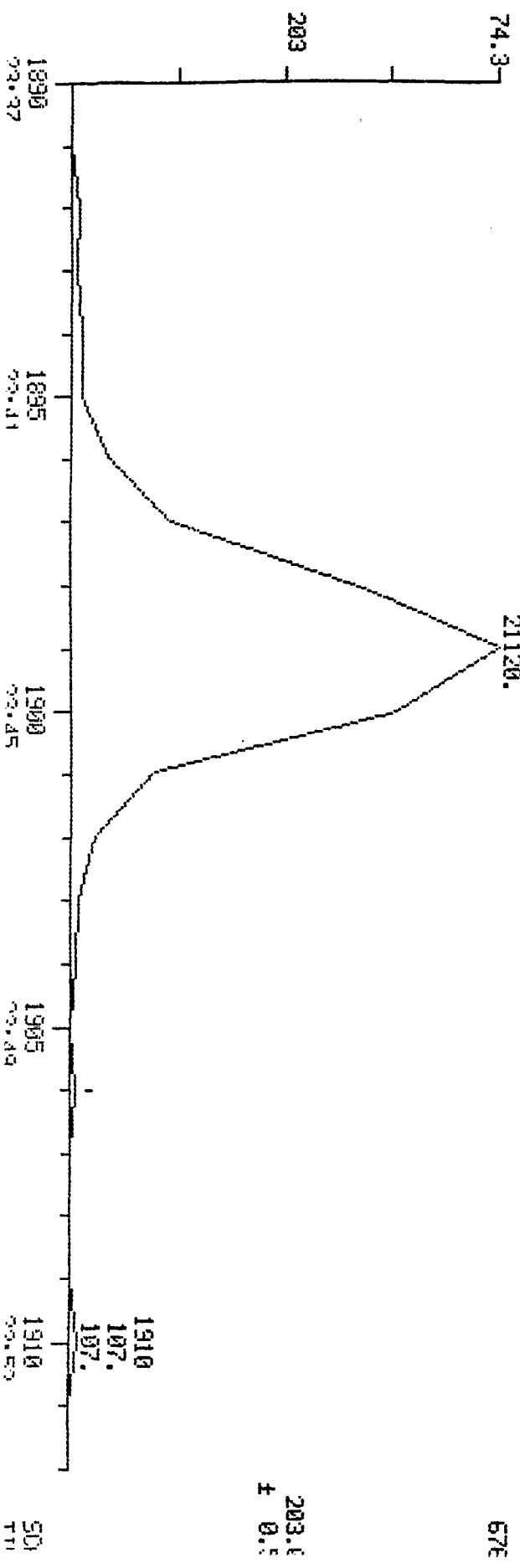
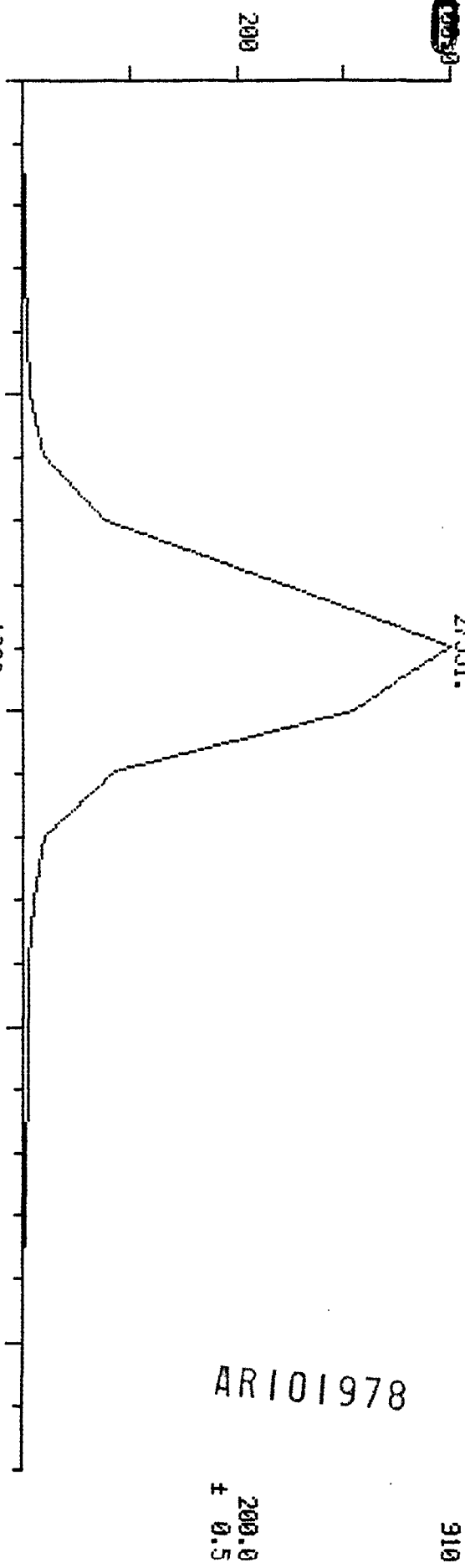
MASS CHROMATOGRAMS
01/14/83 14:03:00
SAMPLE: 1 UL F500 STD. # 7077(2337) EXP. 1.19.83

HEAD COMPUSHEM

DATA: HG330114A14

SCANS 1890 TO 1912

AR101978



C 411

ORGANICS ANALYSIS DATA SHEET - Page 1

MEDIUM LEVEL SOLID

ORIGINAL

Laboratory Name Mead CompuChem
 Lab Sample ID No. 23961
 Duplicate Sample Spike

Case Number 1439
 QC Report No. 121-48(red)

Multiply all Values and Detection Limits by 1 or 10 or
 (Check Box for Appropriate Factor)

ACID COMPOUNDS

PP#	CAS#		ug/g
(21A)	88-06-2	2,4,6-trichlorophenol	100 55
(22A)	59-50-7	p-chloro-m-cresol	200 74
(24A)	95-57-8	2-chlorophenol	100 73
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	200 75
(58A)	100-02-7	4-nitrophenol	1000 430
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	200 300
(64A)	87-36-5	pentachlorophenol	200 45
(65A)	108-95-2	phenol	100 74

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/g
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11-91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	100 90
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	100 80
(62B)	86-30-6	N-nitrosodiphenylamine	100 100
(63B)	621-64-7	N-nitrosodi-n-propylamine	200 4/0
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	100 90
(68B)	84-74-2	di-n-butyl phthalate	100 75
(69B)	117-84-0	di-n-octyl phthalate	100 96
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	100 84
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	100 83
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	100 88

(Non-Priority Pollutant Hazardous Substances)

65-85-0	benzoic acid	100U
95-48-7	2-methylphenol	10U
108-39-4	4-methylphenol	10U
95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	100 80
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	100 75
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	100 70
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	100 83
(25B)	95-50-1	1,2-dichlorobenzene	100 69
(26B)	541-73-1	1,3-dichlorobenzene	100 67
(27B)	106-46-7	1,4-dichlorobenzene	100 70
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	200 78
(36B)	606-20-2	2,6-dinitrotoluene	20U
		1,2-diphenylhydrazine	
(37B)	122-66-7	(as azobenzene)	200 88
(39B)	206-44-0	fluoranthene	100 74
(40B)	7005-72-3	4-chlorophenyl phenylether	100 71
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

(Non-Priority Pollutant Hazardous Substances)

62-53-3	aniline	10U
100-51-6	benzyl alcohol	20U
106-47-8	4-chloroaniline	50U
132-64-9	dibenzofuran	10U
91-57-6	2-methylnaphthalene	20U
88-74-4	2-nitroaniline	100U
99-09-2	3-nitroaniline	100U
100-01-6	4-nitroaniline	100U

ART101979

C 412

ORIGINAL

(red)

Lab Name: Mead CompuChemLab Sample I.D. No. 23961
Duplicate Sample Spike

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only)	
			Spike Added (ug/g)	% Recovery
2-Fluorophenol	SEMIVOA	72	100	72
Pentafluorophenol	SEMIVOA	58	100	58
D6-Phenol	SEMIVOA		100	
D5-Nitrobenzene	SEMIVOA	73	100	73
Decafluorobiphenyl	SEMIVOA	52	100	52
2-Fluorobiphenyl	SEMIVOA	73	100	73
2-Fluoroaniline	SEMIVOA	58	100	58

AR101980

EPA SAMPLE #

LAB NAME: _____
 LAB SAMPLE I.D.# 23961

CC#

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS

ITEM NUMBER	SCAN NUMBER	CAS #	COMPOUND NAME	FRACTION	PURITY %	ESTIMATE CONC. (ug/g)	EV
1			-NONE-	FSCC			
2				FSCC			
3				FSCC			
4				FSCC			
5				FSCC			
6				FSCC			
7				FSCC			
8				FSCC			
9				FSCC			
10				FSCC			
11				FSCC			
12				FSCC			
13				FSCC			
14				FSCC			
15				FSCC			
16				FSCC			
17				FSCC			
18				FSCC			
19				FSCC			
20				FSCC			

20413

C 414

BASE/NEUTRAL & ACID DUPLICATE ANALYSIS

ORIGINAL

23961 23888 02342
 QC SAMPLE NO. ORIGINAL NO. EPA NO.
 ASSOCIATED SAMPLE NOS: 74094

LAB NAME: Mead ComputChem
 QC REPORT No: 121-48
 CASE NO: 1439

PP#	COMPOUNDS	QC SAMPLE RESULTS ug/l	ORIG. SAMPLE RESULTS ug/l	RELATIVE PERCENT DIFFERENCE
	<u>2-fluorophenol</u>	<u>72</u>	<u>69</u>	<u>4</u>
	<u>d₆-phenol</u>			
	<u>pentafluorophenol</u>	<u>58</u>	<u>59</u>	<u>2</u>
	<u>d₅-nitrobenzene</u>	<u>73</u>	<u>69</u>	<u>6</u>
	<u>2-fluorobiphenyl</u>	<u>73</u>	<u>72</u>	<u>1</u>
	<u>2-fluoroaniline</u>	<u>58</u>	<u>45</u>	<u>25</u>
	<u>decafluorobiphenyl</u>	<u>52</u>	<u>54</u>	<u>4</u>
<u>--21A--</u>	<u>2,4,6-trichlorophenol</u>	<u>55</u>	<u>41</u>	<u>29</u>
<u>--22A--</u>	<u>p-chloro-phenol</u>	<u>74</u>	<u>46</u>	<u>47</u>
<u>--24A--</u>	<u>2-chlorophenol</u>	<u>73</u>	<u>66</u>	<u>10</u>
<u>--58A--</u>	<u>4-nitrophenol</u>	<u>430</u>	<u>310</u>	<u>32</u>
<u>--60A--</u>	<u>4,6-dinitro-2-methylphenol</u>	<u>300</u>	<u>230</u>	<u>26</u>
<u>--64A--</u>	<u>pentachlorophenol</u>	<u>45</u>	<u>41</u>	<u>9</u>
<u>--65A--</u>	<u>phenol</u>	<u>74</u>	<u>63</u>	<u>16</u>
<u>--1B--</u>	<u>acenaphthene</u>	<u>80</u>	<u>74</u>	<u>8</u>
<u>--8B--</u>	<u>1,2,4-trichlorobenzene</u>	<u>75</u>	<u>69</u>	<u>8</u>
<u>--12B--</u>	<u>hexachloroethane</u>	<u>70</u>	<u>68</u>	<u>1</u>

ARI01982

C 415

BASE/NEUTRAL & ACID DUPLICATE ANALYSIS

ORIGINAL

(red)

23961 23888 C2342
QC SAMPLE NO. ORIGINAL NO. EPA NO.
ASSOCIATED SAMPLE NOS: 24094

LAB NAME: Mead CompuChem
QC REPORT No: 121-98
CASE NO: 1939

PP#	COMPOUNDS	QC SAMPLE RESULTS ug/l	ORIG. SAMPLE RESULTS ug/l	RELATIVE PERCENT DIFFERENCE
62B	N-nitrosodiphenylamine	100	53	61
20B	2-chloronaphthalene	83	71	16
25B	1,2-dichlorobenzene	69	68	1
26B	1,3-dichlorobenzene	67	68	1
27B	1,4-dichlorobenzene	70	69	1
35B	2,4-dinitrotoluene	78	53	38
37B	1,2-diphenylhydrazine	88	68	26
38B	fluoranthene	74	70	6
41B	4-bromophenyl phenyl ether	71	54	27
54B	isophorone	90	68	28
55B	nitrobenzene	80	69	15
63B	n-nitrosodi-n-propylamine	410	300	31
67B	butyl benzyl phthalate	90	74	20
68B	di-n-butyl phthalate	75	65	14
69B	di-n-octyl phthalate	96	87	10
76B	chrysene	84	75	11
78B	anthracene	83	70	17
84B	pyrene	88	64	32

AR101983

MEAD COMPUTHER ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE I.D. # 023961

SAMPLE # _____

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: FSC06

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	PURITY	ESTIMATED CONC. (UG/G) OR (UG/L)
1	328	-	SEARCH RESULTS < 80% PURITY	---	2.9
2	347	-	SEARCH RESULTS < 80% PURITY	---	0.31
3	440	-	SEARCH RESULTS < 80% PURITY	---	1.6
4	540	127-18-4	ETHENE, TETRACHLORO-	91.2	0.79
5	1730	84-65-1	9,10-ANTHRAQUINONE	89.5	0.53
6	1822	-	SEARCH RESULTS < 80% PURITY	---	0.24

1.000

C 416

AR101984

ORIGINAL

(red)

RIC
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

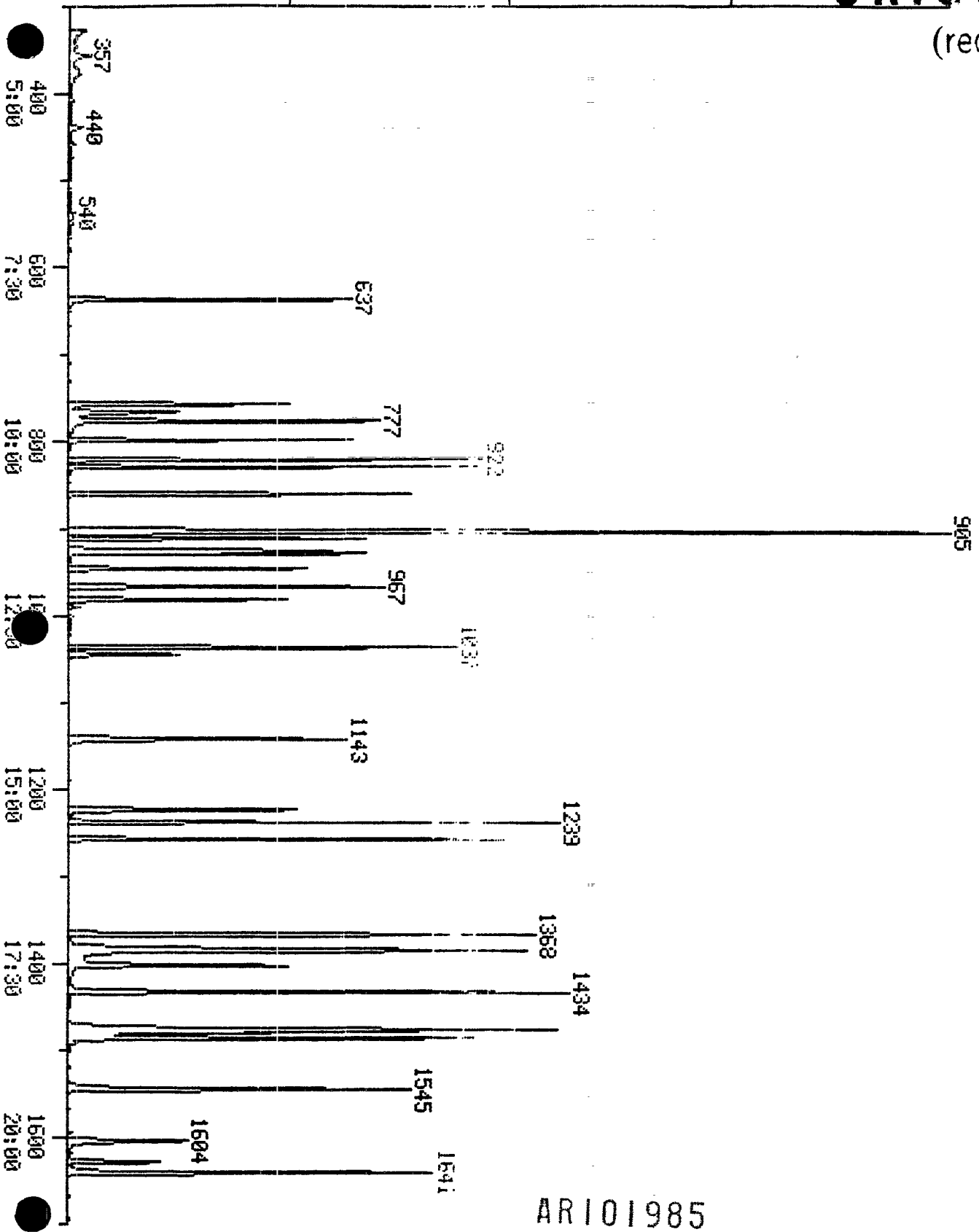
HEAD COMPUTER
DATA: GH023961A14

SCANS 300 TO 1700

465920.

c 417

RIC



ARI01985

SCAN
TIME

C 418

PROCEDURE: RK
DATA FILE: GH023961A14
REFERENCE: FSCC6
METHOD: FSCC6
REPORT: FSCC6S1

DIAGNOSTIC REPORT

1/14/83 15:41:34

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

ORIGINAL

(red)

< --- STANDARDS --- >				< --- PLUS UNKNOWN --- >				--- LIST NAMES ---	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
4	4	1	117	65	37	10	103	FSCC6S1/FSCC6U1	
2	2	1	0	15	6	1	103	FSCC6S2/FSCC6U2	

79 COMPOUNDS PROCESSED, 42 FOUND

< COMPOUND >		SEARCH						> SAT >		CHRO		
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	F1	1	-783	776	777	1	1	989	97	777	.	1
2	F2	1	-1054	1046	1047	-1	1	992	136	1045	.	1
3	F1	20	-1247	1239	1239	.	1	998	-1	172	1239	1
4	F3	1	-1637	1628	1628	.	1	980	188	1628	.	1
5	F1	2	-449	442	.	.	.	.	74	.	.	.
6	F1	3	-784	777	778	1	1	978	94	777	-1	1
7	F1	4	-791	783	.	.	.	.	93	781	.	1
8	F1	5	-799	791	.	.	.	.	93	.	.	.
9	F1	6	-807	799	799	.	1	998	128	799	.	1
10	F1	7	-830	822	822	.	1	997	146	822	.	1
11	F1	8	-839	831	831	.	1	999	146	831	.	1
12	F1	9	-870	862	862	.	1	998	146	862	.	1
13	F1	10	-862	854	.	.	.	.	108	.	.	.
14	F1	11	-887	879	.	.	.	.	121	.	.	.
15	F1	12	-881	873	.	.	.	.	108	.	.	.
16	F1	13	-921	913	912	-1	1	999	117	912	.	1
17	F1	14	-904	896	.	.	.	.	108	.	.	.
18	F1	15	-642	635	637	2	1	995	112	637	.	1
19	F1	16	-771	764	766	2	1	992	184	766	.	1
20	F1	17	-934	926	925	-1	1	996	82	925	.	1
21	F1	18	-955	947	946	-1	1	996	334	946	.	1
22	F1	19	-764	757	757	.	1	999	111	757	.	1
23	F2	2	-912	904	905	1	2	994	130	905	.	1
24	F2	3	-937	929	928	-1	1	995	123	928	.	1
25	F2	4	-977	969	967	-2	1	996	82	967	.	1
26	F2	5	-991	983	982	-1	1	992	139	982	.	1
27	F2	6	-995	987	.	.	.	.	122	.	.	.
28	F2	7	-1013	1005	.	.	.	.	93	.	.	.
29	F2	8	-1030	1022	1022	.	1	998	162	1022	.	1
30	F2	9	-1046	1038	1037	-1	1	997	180	1037	.	1
31	F2	10	-1071	1063	.	.	.	.	127	.	.	.
32	F2	11	-1030	1022	1022	.	5	1000	105	1022	.	1
33	F2	12	-1087	1079	.	.	.	.	225	.	.	.
34	F2	13	-1152	1144	1145	-1	1	995	107	1143	.	1
35	F2	14	-1179	1171	.	.	.	.	115	.	.	.
36	F2	15	-1218	1210	.	.	.	.	237	.	.	.
37	F2	16	-1233	1225	1224	-1	1	1000	196	1224	.	1
38	F2	17	-1266	1258	1258	.	1	994	162	1258	.	1
39	F2	18	-1343	1334	.	.	.	.	152	1334	.	1
40	F2	19	-1328	1319	.	.	.	.	163	.	.	.
41	F2	20	-1057	1049	.	.	.	.	128	1048	.	.
42	F2	21	-1341	1332	.	.	.	.	165	.	.	.
43	F2	22	-1411	1402	1403	1	1	992	165	1403	.	1
44	F2	23	-1368	1359	.	.	.	.	138	.	.	.
45	F2	24	-1293	1285	.	.	.	.	138	.	.	.
46	F2	25	-1405	1396	.	.	.	.	168	.	.	.
47	F2	26	-1485	1476	.	.	.	.	138	.	.	.

AR:101986

Line	Code	Index	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
50	F3	3	-1385	1376								184	
51	F3	4	-1393	1384	1384	2	1	994				139	1386
52	F3	5	-1467	1458								166	
53	F3	6	-1466	1457								204	
54	F3	7	-1455	1446								149	
55	F3	8	-1486	1477	1477		1	980				198	1477
56	F3	9	-1489	1480	1480		1	999				159	1480
57	F3	10	-1553	1544	1544	1	1	978				248	1544
58	F3	11	-1581	1572								284	(red)
59	F3	12	-1642	1633								178	
60	F3	13	-1650	1641	1641		1	997	-1			178	1641
61	F3	14	-1859	1850	1850		1	996	-1			202	1850
62	F3	15	-1901	1891	1891		1	988	-1			202	1891
63	F3	16	-1495	1486	1486		1	994				77	1486
64	F3	17	-1747	1738	1738		1	997				149	1738
65	F3	18	-1613	1604	1604		1	997				266	1604
66	F4	1	-2138	2126	2126		1	995				240	2126
67	F4	2	-2134	2122								228	
68	F4	3	-2144	2132	2132		1	1000				228	2132
69	F4	4	-2129	2117								252	
70	F4	5	-2017	2006	2006	2	1	998				149	2007
71	F4	6	-2139	2127	2127		1	987				149	2127
72	F4	7	-2310	2297	2297		1	1000				149	2297
73	F4	8	-1955	1945								184	
74	F4	9	-2589	2575								252	
75	F4	10	-3202	3184								276	
76	F4	11	-3216	3198								278	
77	F4	12	-3383	3363								276	
78	F4	13	-2459	2445								252	
79	F4	14	-2468	2454								252	

AR101987

QUANTITATION REPORT FILE: GH023961A14

DATA: GH023961A14.TI
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
SUBMITTED BY: 14 ANALYST: MB

RECEIVED
(red)

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

- NO NAME
- 1 *D3-PHENOL (INTERNAL STANDARD) (624)
- 2 N-NITROSODIMETHYLAMINE (441)
- 3 PHENOL (610)
- 4 ANILINE (473)
- 5 BIS(2-CHLOROETHYL)ETHER (411)
- 6 2-CHLOROPHENOL (601)
- 7 1,3-DICHLOROBENZENE (421)
- 8 1,4-DICHLOROBENZENE (422)
- 9 1,2-DICHLOROBENZENE (420)
- 10 BENZYL ALCOHOL (474)
- 11 BIS(2-CHLOROISOPROPYL)ETHER (412)
- 12 2-METHYLPHENOL (620)
- 13 HEXACHLOROETHANE (436)
- 14 4-METHYLPHENOL (622)
- 15 2-FLUOROPHENOL (SURROGATE) (619)
- 16 PENTAFLUOROPHENOL (SURROGATE) (623)
- 17 D5-NITROBENZENE (SURROGATE) (447)
- 18 DECAFLUOROBIPHENYL (SURROGATE) (470)
- 19 2-FLUOROANILINE (SURROGATE) (472)
- 20 2-FLUOROBIPHENYL (SURROGATE) (448)
- 21 *D8-NAPHTHALENE (INTERNAL STANDARD) (460)
- 22 N-NITROSO-DI-N-PROPYLAMINE (442)
- 23 NITROBENZENE (440)
- 24 ISOPHORONE (438)
- 25 2-NITROPHENOL (606)
- 26 2,4-DIMETHYLPHENOL (603)
- 27 BIS(2-CHLOROETHOXY)METHANE (410)
- 28 2,4-DICHLOROPHENOL (602)
- 29 1,2,4-TRICHLOROBENZENE (446)
- 30 4-CHLOROANILINE (475)
- 31 BENZOIC ACID (625)
- 32 HEXACHLOROBUTADIENE (434)
- 33 P-CHLORO-M-CRESOL (608)
- 34 2-METHYLNAPHTHALENE (472)
- 35 HEXACHLOROCYCLOPENTADIENE (435)
- 36 2,4,6-TRICHLOROPHENOL (611)
- 37 2-CHLORONAPHTHALENE (416)
- 38 ACENAPHTHYLENE (402)
- 39 DIMETHYLPHTHALATE (425)
- 40 NAPHTHALENE (439)
- 41 2,6-DINITROTOLUENE (428)
- 42 2,4-DINITROTOLUENE (427)
- 43 3-NITROANILINE(479)
- 44 2-NITROANILINE(478)
- 45 DIBENZOFURAN (476)
- 46 4-NITROANILINE(480)

AR101988

NO NAME
 47 2,4,5-TRICHLOROPHENOL (626)
 48 *D10-PHENANTHRENE (INTERNAL STANDARD) (467)
 ACENAPHTHENE (401)
 50 2,4-DINITROPHENOL (605)
 51 4-NITROPHENOL (607)
 52 FLUORENE (432)
 53 4-CHLOROPHENYL PHENYL ETHER (417)
 54 DIETHYLPHTHALATE (424)
 55 4,6-DINITRO-O-CRESOL (604)
 56 DIPHENYLAMINE (N-NITROSO) (443)
 57 4-BROMOPHENYL PHENYL ETHER (414)
 58 HEXACHLORO BENZENE (433)
 59 PHENANTHRENE (444)
 60 ANTHRACENE (403)
 61 FLUORANTHENE (431)
 62 PYRENE (445)
 63 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (430)
 64 DI-N-BUTYLPHTHALATE (426)
 65 PENTACHLOROPHENOL (609)
 66 *D12-CHRYSENE (INTERNAL STANDARD) (459)
 67 BENZO(A)ANTHRACENE (405)
 68 CHRYSENE (418)
 69 3,3'-DICHLORO BENZIDINE (423)
 70 BUTYLBENZYLPHTHALATE (415)
 71 BIS(2-ETHYLHEXYL)PHTHALATE (413)
 72 DI-N-OCTYLPHTHALATE (429)
 73 BENZIDINE (404)
 BENZO(A)PYRENE (406)
 75 INDENO(1,2,3-C,D)PYRENE (#437)
 76 DIBENZO(A,H)ANTHRACENE (419)
 77 BENZO(G,H,I)PERYLENE (408)
 78 BENZO(B)FLUORANTHENE (407)
 79 BENZO(K)FLUORANTHENE (409)

(red)

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

AR101989

C 422

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	NG	%TOT
1	97	777	9:43	1	1.000	A BB	29224.	20.000	NG	0.55
2	NOT FOUND									
3	94	777	9:43	1	1.000	A BV	101848.	74.179	NG	2.05 <i>40</i>
4	93	781	9:46	1	1.005	A VB	148.	0.106	NG	0.00
5	NOT FOUND									
6	128	799	9:59	1	1.028	A BV	87631.	72.722	NG	2.01 <i>40</i>
7	146	822	10:16	1	1.058	A BV	102207.	67.275	NG	1.85 <i>40</i>
8	146	831	10:23	1	1.059	A VB	117140.	70.241	NG	1.94 <i>40</i>
9	146	862	10:46	1	1.109	A BV	100525.	68.798	NG	1.90 <i>40</i>
10	NOT FOUND									
11	NOT FOUND									
12	NOT FOUND									
13	117	912	11:24	1	1.174	A BB	44167.	70.367	NG	1.94 <i>40</i>
14	NOT FOUND									
15	112	637	7:58	1	0.820	A BV	93744.	71.492	NG	1.97
16	184	766	9:34	1	0.906	A BV	44005.	58.263	NG	1.61
17	82	925	11:34	1	1.190	A BV	103039.	73.377	NG	2.02
18	334	946	11:49	1	1.215	A BB	70032.	51.665	NG	1.42
19	111	757	9:28	1	0.974	A BV	99417.	58.014	NG	1.60
20	172	1239	15:29	1	1.595	A BB	176415.	73.571	NG	2.03
21	136	1045	13:04	21	1.000	A BB	55537.	20.000	NG	0.55
22	130	905	11:19	21	0.866	A BB	81051.	406.289	NG	11.20
23	123	928	11:36	21	0.888	A BB	49199.	80.427	NG	2.22 <i>40</i>
24	82	967	12:05	21	0.925	A BB	186545.	89.766	NG	2.48 <i>40</i>
25	139	982	12:16	21	0.940	A BV	44392.	75.042	NG	2.07 <i>40</i>
26	NOT FOUND									
27	NOT FOUND									
28	162	1022	12:46	21	0.978	A BB	743.	0.762	NG	0.02
29	180	1037	12:58	21	0.992	A BB	80522.	74.845	NG	2.06 <i>40</i>
30	NOT FOUND									
31	105	1022	12:46	21	0.978	A BV	778.	1.442	NG	0.04
32	NOT FOUND									
33	107	1143	14:17	21	1.084	A BV	76130.	74.100	NG	2.04
34	NOT FOUND									
35	NOT FOUND									
36	196	1224	15:18	21	1.171	A BV	42857.	55.383	NG	1.53 <i>40</i>
37	162	1258	15:43	21	1.204	A BV	158686.	83.154	NG	2.29 <i>40</i>
38	152	1334	16:40	21	1.277	A BB	438.	0.149	NG	0.00
39	NOT FOUND									
40	128	1048	13:06	21	1.000	A BB	562.	0.153	NG	0.00
41	NOT FOUND									
42	165	1403	17:32	21	1.343	A BV	60307.	78.315	NG	2.16 <i>40</i>
43	NOT FOUND									
44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	196	1232	15:24	21	1.179	A VB	752.	0.841	NG	0.02
48	188	1628	20:21	48	1.000	A VV	56321.	20.000	NG	0.55
49	154	1368	17:06	48	0.840	A BB	164808.	80.430	NG	2.22 <i>40</i>
50	NOT FOUND									
51	139	1386	17:19	48	0.851	A VV	139980.	430.174	NG	11.86 <i>40</i>
52	NOT FOUND									
53	NOT FOUND									
54	NOT FOUND									
55	198	1477	18:28	48	0.907	A BE	101207	301.511	NG	8.31 <i>40</i>
56	169	1480	18:30	48	0.909	A BE	86596	101.229	NG	2.79 <i>40</i>

AR101990

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	248	1545	19:19	48	0.949	A BB	46430.	70.816 NG	1.95
58	NOT FOUND								
59	NOT FOUND								
60	178	1641	20:31	48	1.008	A BV	220781.	83.333 NG	2.30
61	202	1850	23:07	48	1.136	A VB	230168.	74.626 NG (red)	2.06
62	202	1891	23:38	48	1.162	A VV	235910.	74.090 NG	2.04
63	77	1486	18:34	48	0.913	A VV	211865.	88.360 NG	2.44
64	149	1738	21:43	48	1.058	A VB	295471.	75.419 NG	2.08
65	266	1604	20:03	48	0.985	A BV	23581.	44.796 NG	1.24
66	240	2126	26:34	66	1.000	A BV	75623.	40.000 NG	1.10
67	NOT FOUND								
68	228	2132	26:39	66	1.000	A VB	160929.	84.003 NG	2.32
69	NOT FOUND								
70	149	2007	25:05	66	0.944	A VB	125804.	89.766 NG	2.48
71	149	2127	26:35	66	1.000	A VV	3312.	1.793 NG	0.05
72	149	2297	28:43	66	1.080	A BB	318454.	95.993 NG	2.65
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								

ORIGINAL

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:45	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
2	5:33		0.569			50.00		0.681	
3	9:46	0.99	1.001	1.00	74.18	50.00	1.394	0.940	1.48
4	9:50	0.99	1.009	1.00	0.11	50.00	0.002	0.955	0.00
5	9:57		1.021			50.00		1.000	
6	10:03	0.99	1.031	1.00	72.72	50.00	1.199	0.825	1.45
7	10:21	0.99	1.062	1.00	67.28	50.00	1.399	1.040	1.35
8	10:27	0.99	1.072	1.00	70.24	50.00	1.603	1.141	1.40
9	10:50	0.99	1.112	1.00	68.80	50.00	1.376	1.000	1.38
10	10:44		1.101			50.00		0.462	
11	11:04		1.135			50.00		0.362	
12	10:58		1.126			50.00		0.709	
13	11:28	0.99	1.177	1.00	70.37	50.00	0.605	0.430	1.41
14	11:16		1.155			50.00		0.764	
15	7:59	1.00	0.819	1.00	71.49	50.00	1.283	0.897	1.43
16	9:37	1.00	0.986	1.00	58.26	50.00	0.602	0.517	1.17
17	11:38	0.99	1.194	1.00	73.38	50.00	1.410	0.961	1.47
18	11:55	0.99	1.222	1.00	51.67	50.00	0.959	0.928	1.03
19	9:31	0.99	0.976	1.00	58.01	50.00	1.361	1.173	1.16
20	15:34	0.99	1.597	1.00	73.57	50.00	2.415	1.641	1.47
21	13:08	0.99	1.000	1.00	20.00	20.00	1.000	1.000	1.00
22	11:21	1.00	0.864	1.00	406.29	50.00	0.584	0.072	8.13
23	11:40	0.99	0.889	1.00	80.43	50.00	0.354	0.220	1.61
24	12:10	0.99	0.926	1.00	89.77	50.00	1.344	0.748	1.80
25	12:21	0.99	0.940	1.00	75.04	50.00	0.320	0.213	1.50
26	12:24		0.944			50.00		0.335	
27	12:38		0.962			50.00		0.415	
28	12:50	1.00	0.977	1.00	0.76	50.00	0.005	0.351	0.02
29	13:03	0.99	0.993	1.00	74.85	50.00	0.580	0.387	1.50
30	13:21		1.016			250.00		0.458	
31	12:46	1.00	0.972	1.01	1.44	250.00	0.001	0.194	0.01

C 424

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
32	13:34		1.032			50.00			
33	14:22	0.99	1.094	1.00	74.10	50.00	0.548	0.876	1.48
34	14:43		1.120			50.00		0.339	
35	15:13		1.158			50.00		0.131	
36	15:23	0.99	1.171	1.00	55.38	50.00	0.309	0.279	1.11
37	15:49	0.99	1.204	1.00	83.15	50.00	1.143	0.687	1.66
38	16:46	0.99	1.277	1.00	0.15	50.00	0.003	1.062	0.00
39	16:34		1.262			50.00		0.991	
40	13:11	0.99	1.004	1.00	0.15	50.00	0.004	1.321	0.00
41	16:44		1.274			50.00		0.211	
42	17:37	1.00	1.342	1.00	78.31	50.00	0.434	0.277	1.57
43	17:04		1.299			250.00		0.107	
44	16:08		1.228			250.00		0.277	
45	17:32		1.335			50.00		0.989	
46	18:31		1.409			250.00		0.054	
47	15:28	1.00	1.178	1.00	0.84	250.00	0.001	0.322	0.00
48	20:27	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
49	17:11	0.99	0.840	1.00	80.43	50.00	1.171	0.728	1.61
50	17:17		0.845			250.00		0.052	
51	17:23	1.00	0.850	1.00	430.17	125.00	0.398	0.116	3.44
52	18:19		0.896			50.00		0.835	
53	18:18		0.895			50.00		0.344	
54	18:10		0.888			50.00		1.117	
55	18:33	1.00	0.907	1.00	301.51	250.00	0.144	0.119	1.21
56	18:35	1.00	0.909	1.00	101.23	50.00	0.615	0.304	2.02
57	19:24	1.00	0.949	1.00	70.82	50.00	0.330	0.233	1.42
58	19:45		0.966			50.00		0.254	
59	20:30		1.002			50.00		1.098	
60	20:36	1.00	1.007	1.00	83.33	50.00	1.568	0.941	1.67
61	23:13	1.00	1.135	1.00	74.63	50.00	1.635	1.095	1.49
62	23:44	1.00	1.161	1.00	74.09	50.00	1.675	1.131	1.48
63	18:40	1.00	0.913	1.00	88.36	50.00	1.505	0.851	1.77
64	21:49	1.00	1.067	1.00	75.42	50.00	2.098	1.391	1.51
65	20:09	1.00	0.985	1.00	44.80	50.00	0.167	0.187	0.90
66	26:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	26:37		0.998			50.00		1.162	
68	26:46	1.00	1.003	1.00	84.00	50.00	1.702	1.013	1.68
69	26:34		0.995			50.00		0.086	
70	25:11	1.00	0.944	1.00	89.77	50.00	1.331	0.741	1.80
71	26:42	1.00	1.000	1.00	1.79	50.00	0.035	0.977	0.04
72	28:49	1.00	1.080	1.00	95.99	50.00	3.369	1.755	1.92
73	24:26		0.870			150.00		0.002	
74	32:17		1.210			50.00		0.880	
75	39:55		1.496			50.00		0.475	
76	40:06		1.503			50.00		0.551	
77	42:10		1.580			50.00		0.788	
78	30:40		1.149			50.00		1.044	
79	30:46		1.153			50.00		0.997	

ORIGINAL

AR101992

C 425

ORIGINAL

(red)

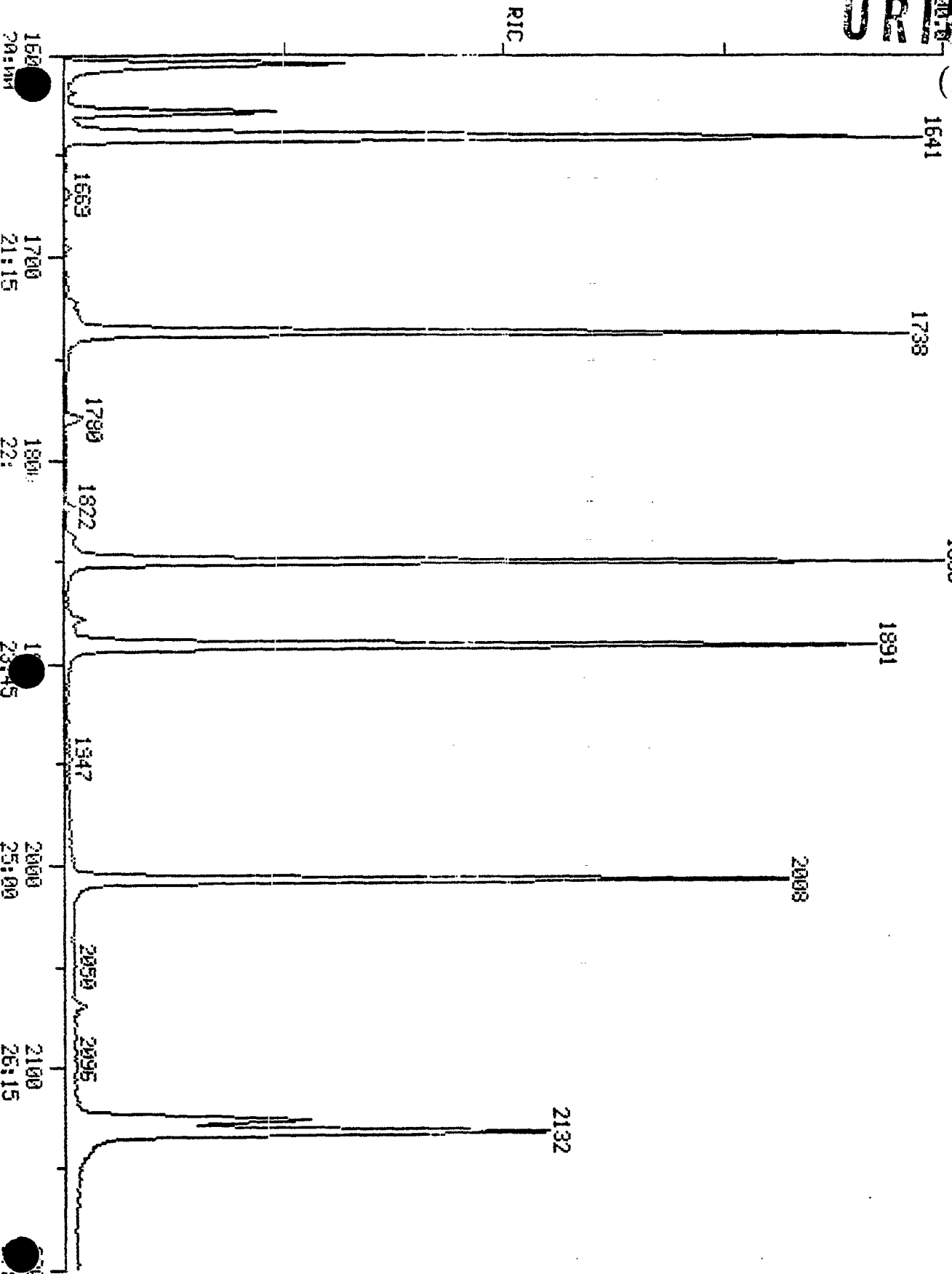
RIC
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

HEAD COMPUTED

DATA: GH023961A14

SCANS 1600 TO 2200

198144.



ARI01993

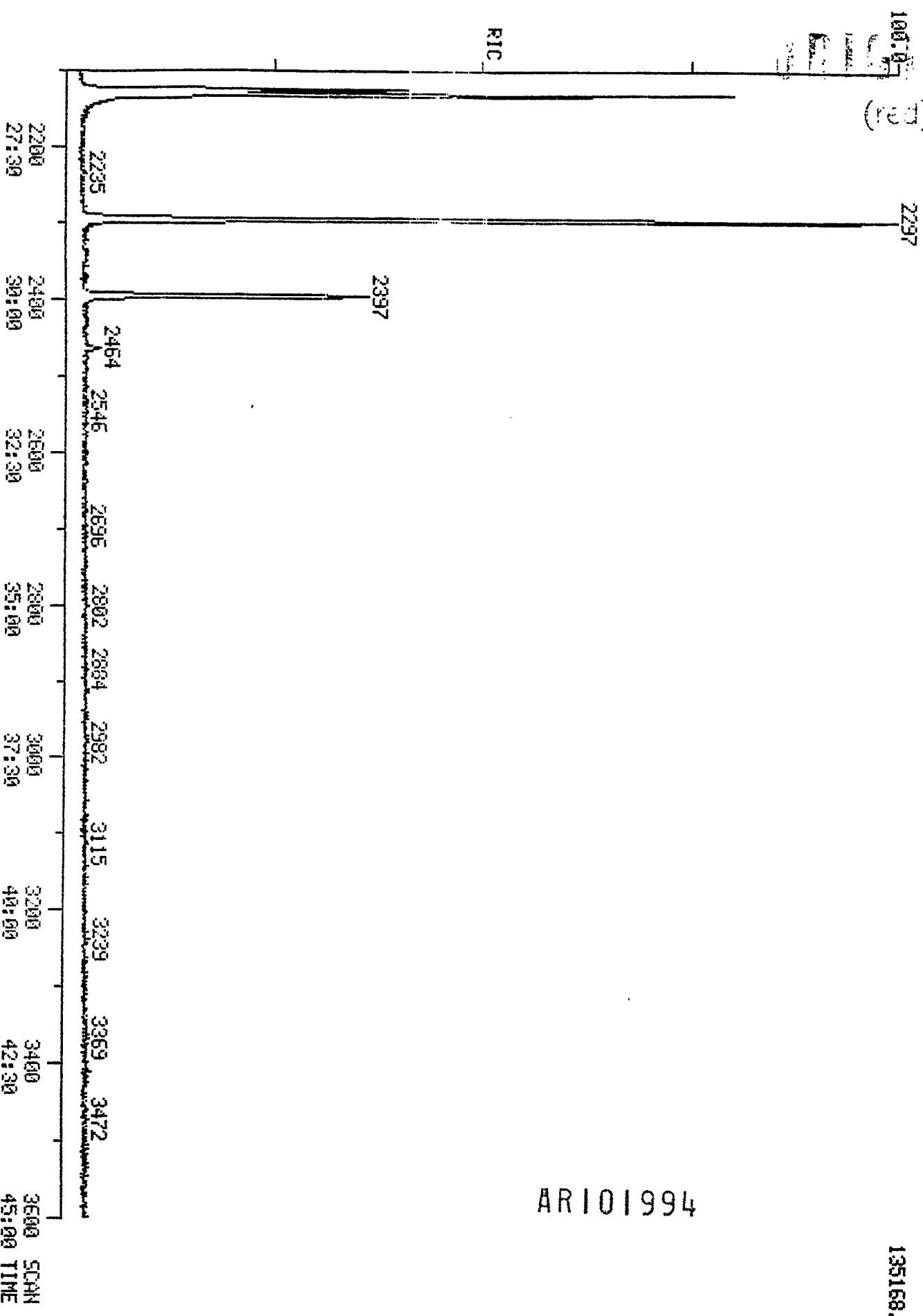
2100 SCAN
26:15 TIME

c 426

RIC
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

MEAD COMPUTHER
DATA: GH023961A14
SCANS 2100 TO 3600

100.0
(red)



ARI01994

135168.

C 427

MASS CHROMATOGRAMS
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

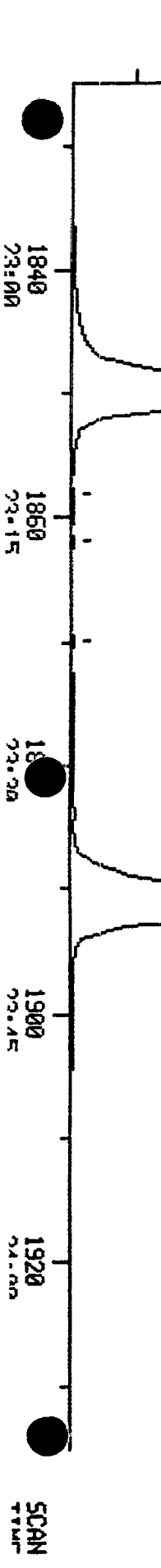
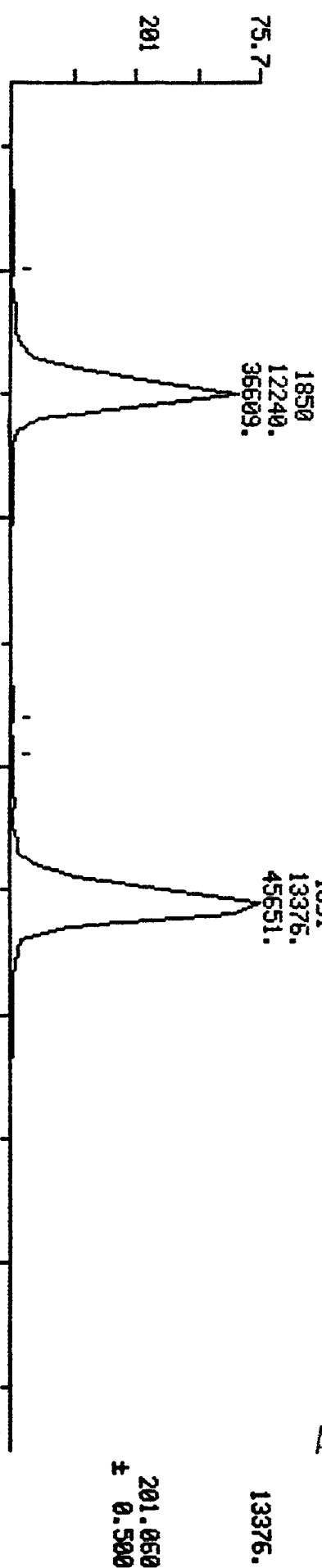
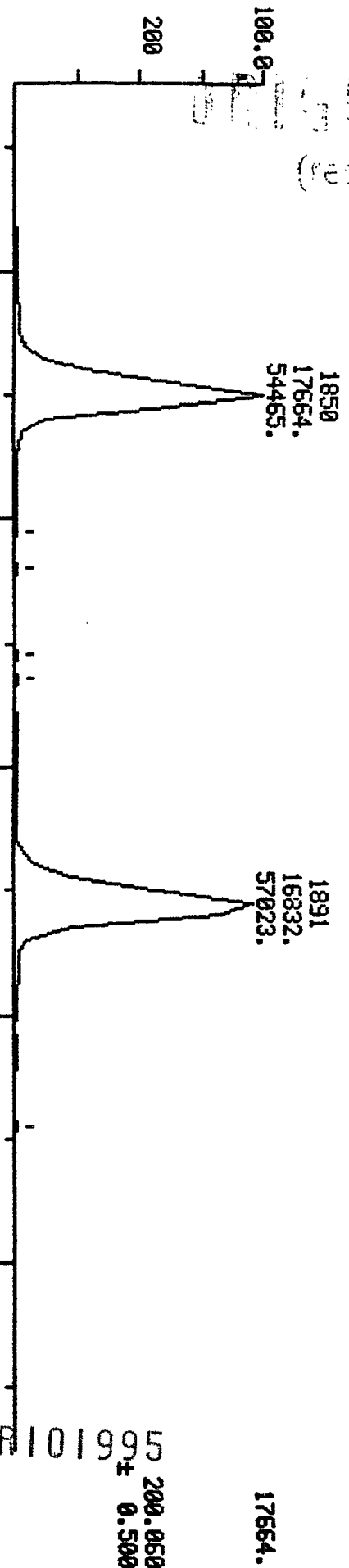
MEAD COMPUTCHEM

DATA: GH023961A14

SCANS 1825 TO 1935

AP101995
200.060
± 0.500
17664.

(2)



203.061
± 0.500

201.060
± 0.500

13552.

SCAN
TIME

ORIGINAL

(red)

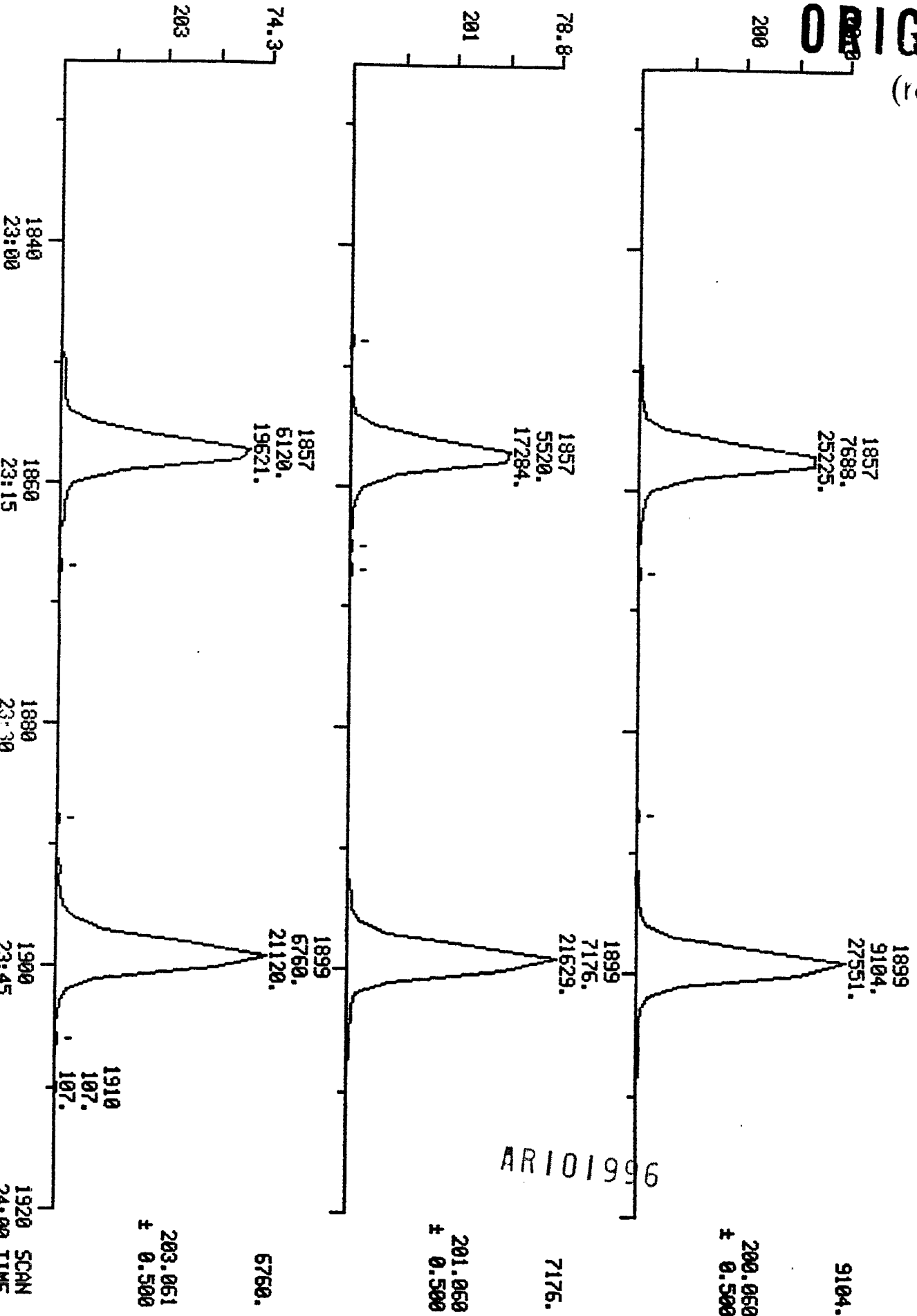
MASS CHROMATOGRAMS
01/14/83 10:03:00
SAMPLE: 1 UL FSCC STD. # 7077(2337) EXP. 1.19.83

HEAD COMPUTED

DATA: HG830114A14

SCANS 1825 TO 1920

C 428



9104.

200.050
± 0.500

7175.

201.050
± 0.500

6760.

203.051
± 0.500

AR101996

c 429

ORIGINAL

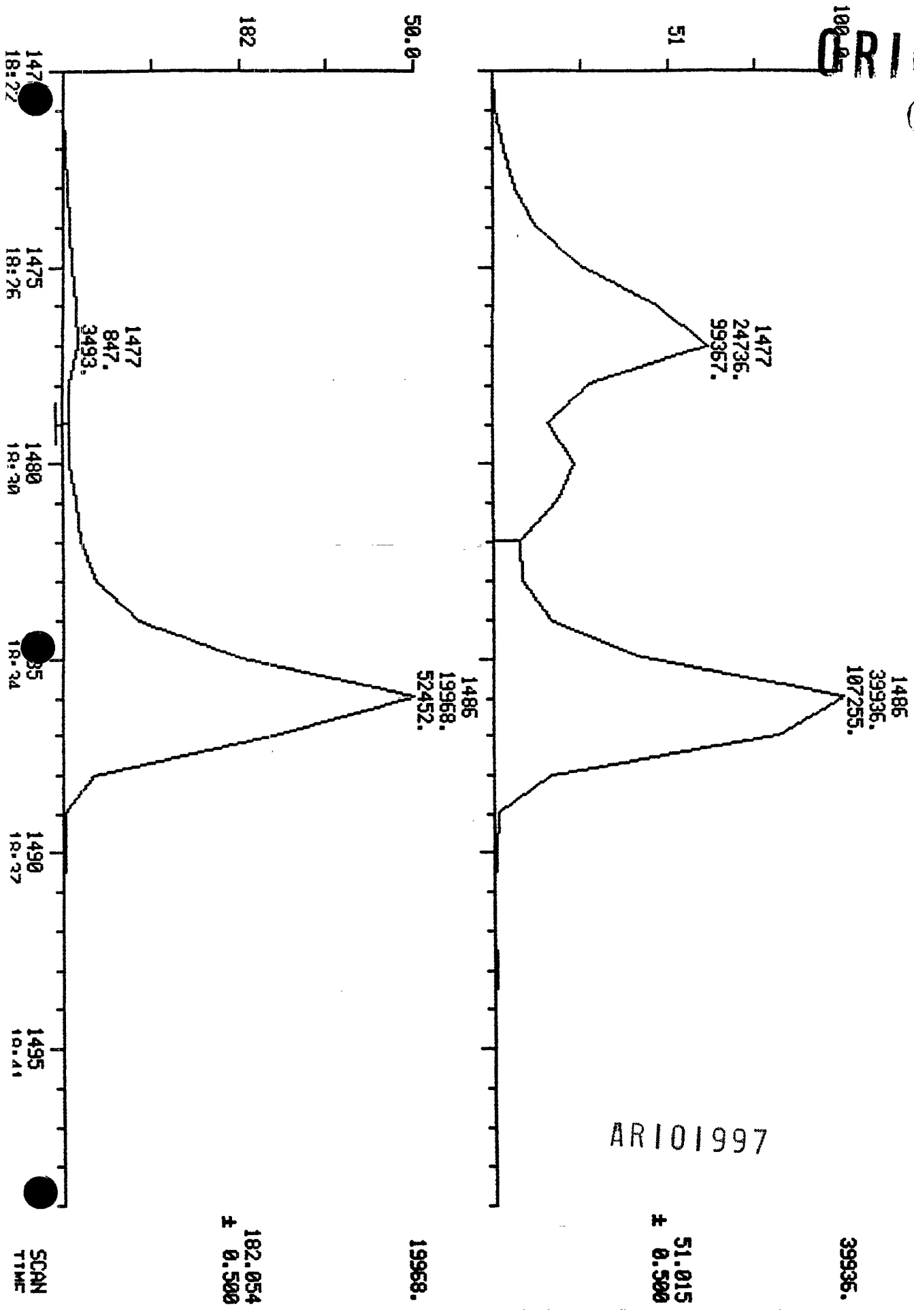
(10)

MASS CHROMATOGRAMS
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

MEAD COMPUTHER
DATA: GH023961A14

SCANS 1470 TO 1499

ARI01997



39936.

51.015
± 0.500

19968.

182.054
± 0.500

1470 18:22

1475 18:26

1480 18:30

1485 18:34

1490 18:37

1495 18:41

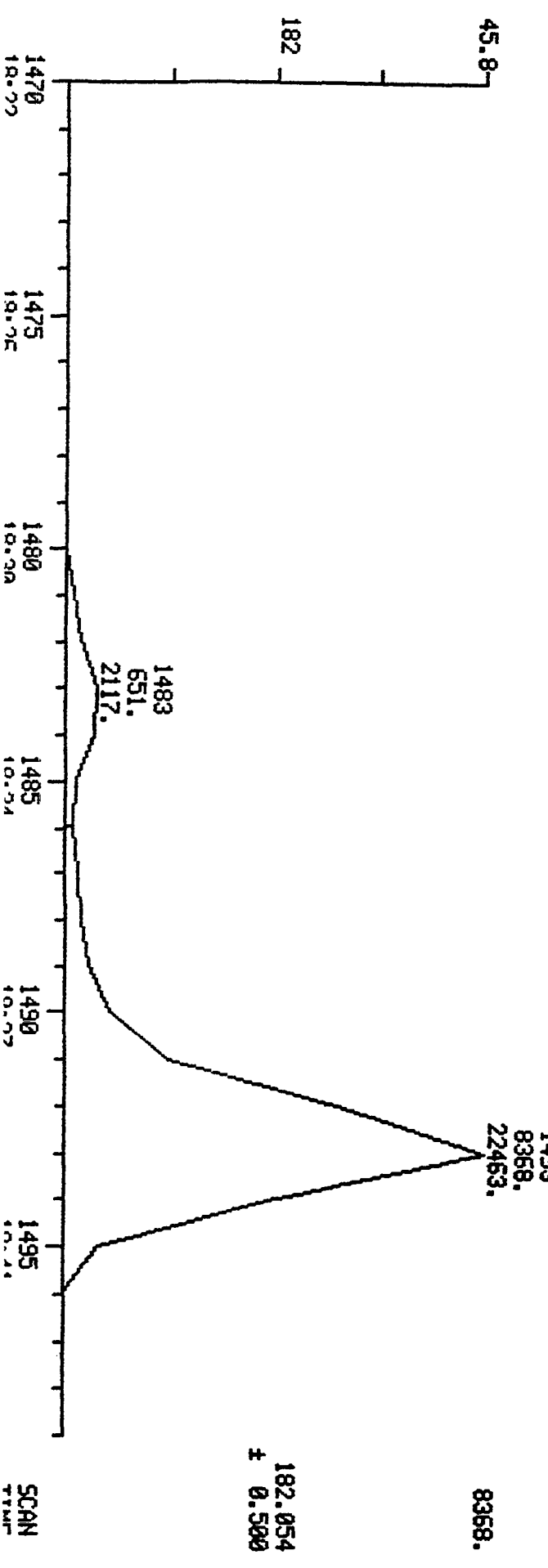
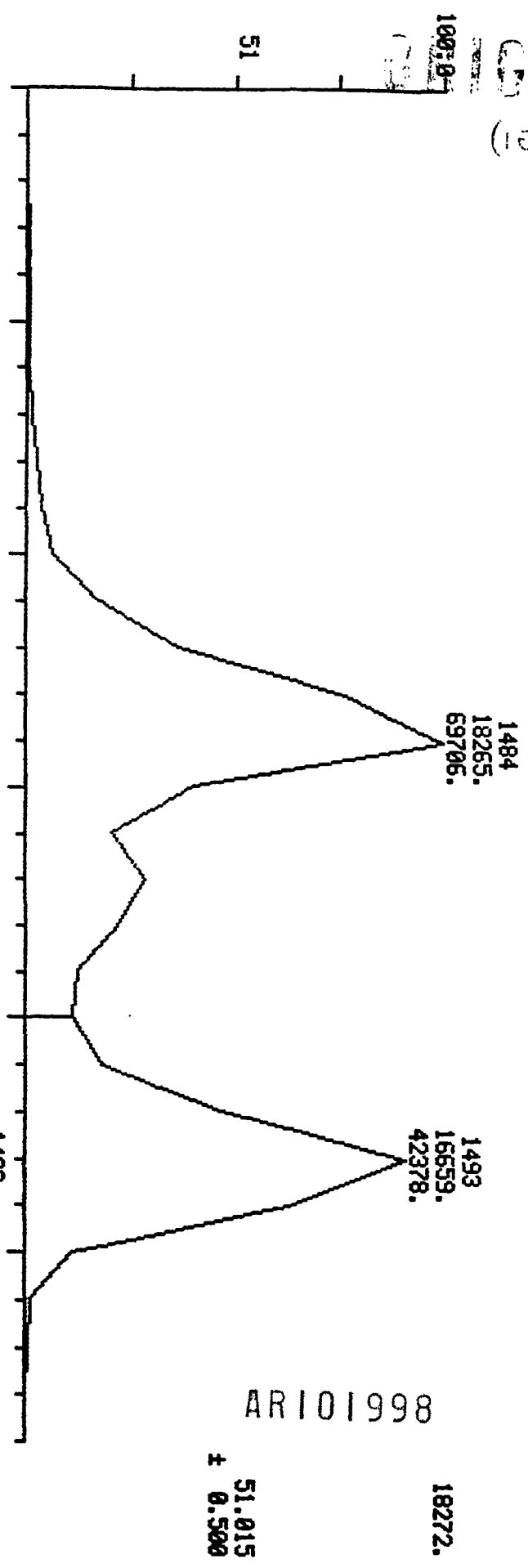
SCAN TIME

C 430

(2)

MASS CHROMATOGRAMS
01/14/83 10:03:00
SAMPLE: 1 UL FSCC STD. # 7077(2337) EXP.1.19.83

HEAD COMPUTHER DATA: HG830114014 SCANS 1470 TO 1499



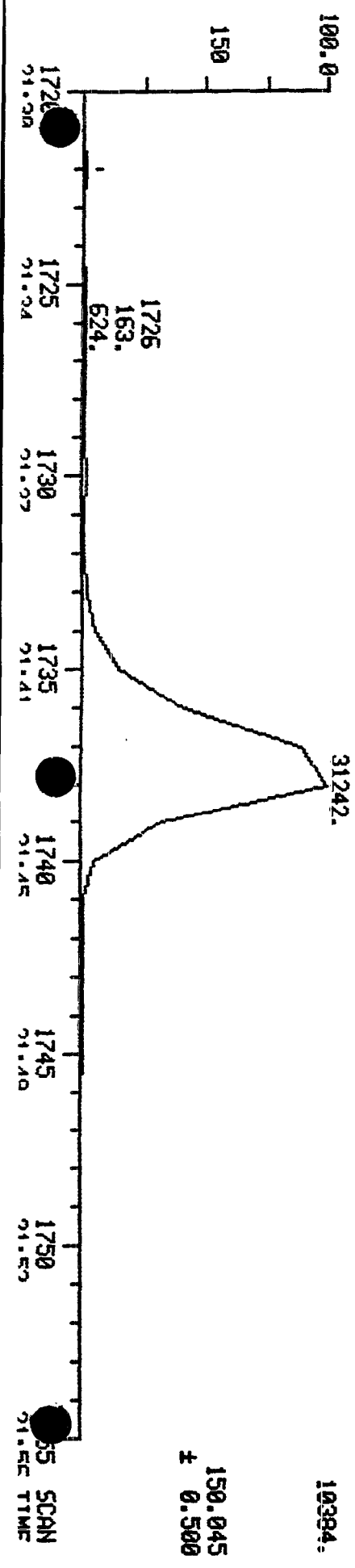
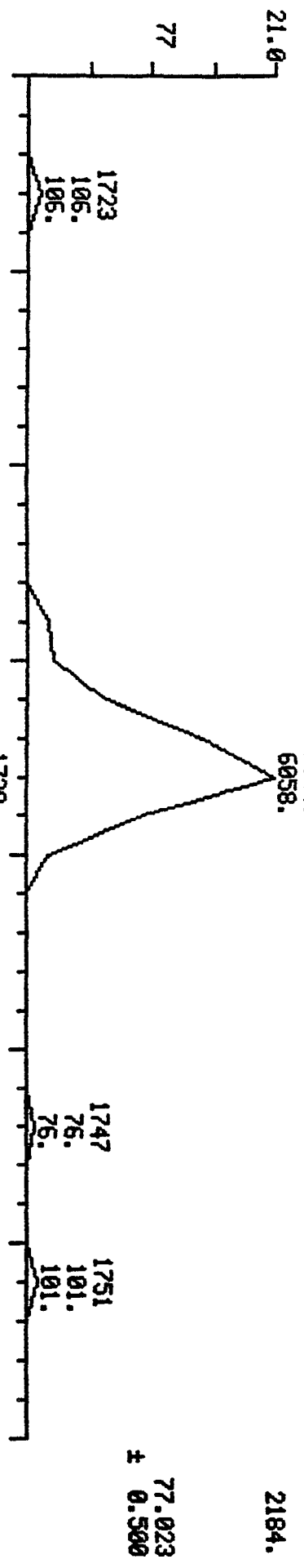
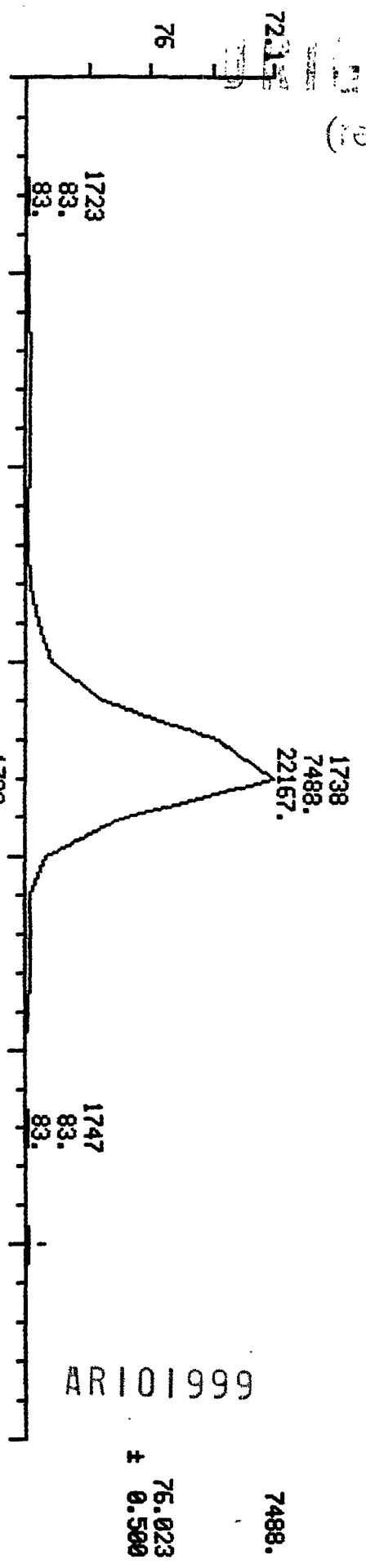
AR101998

SCAN
TIME

(red)

MASS CHROMATOGRAMS
01/14/83 14:23:00
SAMPLE: 1 UL 23961 F5CC MED. LEVEL

HEAD COMPUCHEM
DATA: GH023961A14
SCANS 1720 TO 1755



C 431

ORIGINAL

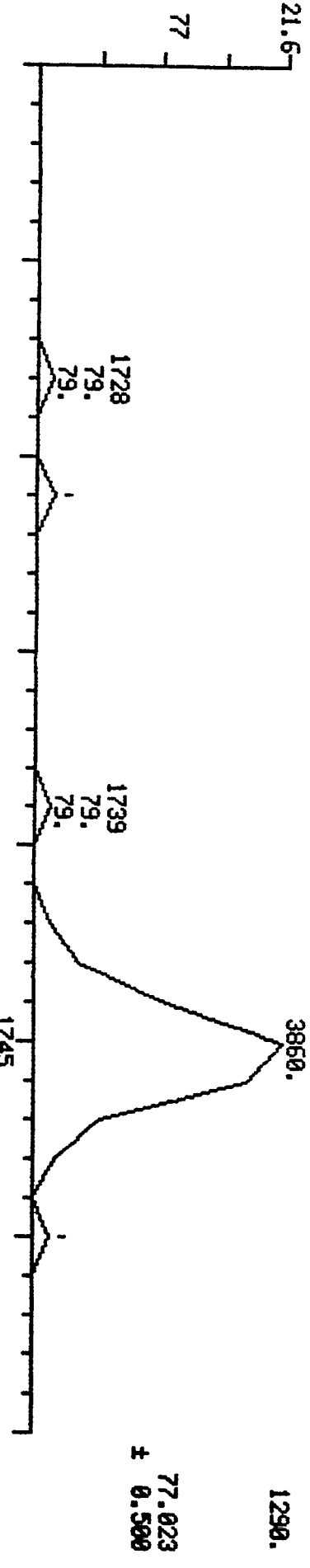
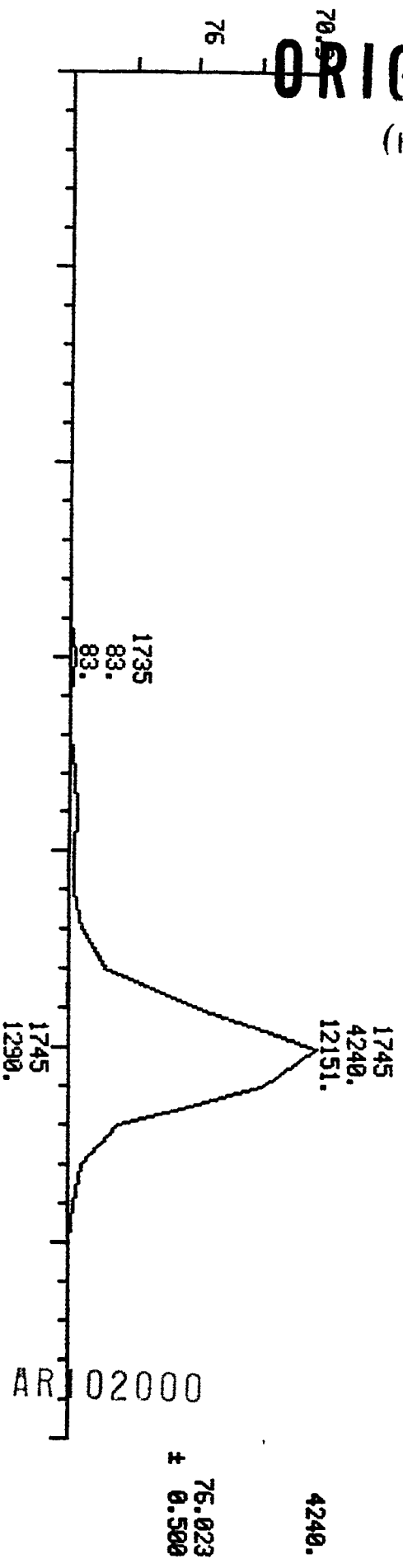
(2)

MASS CHROMATOGRAMS
01/14/83 10:03:00
SAMPLE: 1 UL FSCC STD. # 7077(2337) EXP.1.19.83

HEAD COMPUCHEM

DATA: HG830114A14

SCANS 1720 TO 1755



C 432

ORIGINAL

(red)

LIBRARY SEARCH
01/14/83 14:23:00 + 4:06
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N 0T)

MEAD COMPUCHEM

DATA: GH023961A14 # 328

BASE M/E: 177
RIC: 3271.

AR10200

C14.H25.N

M WT 1822
B PK 201
RANK 188
IN 7615
PUR 176

PYRROLIDINE,1-VA-(1,1-DIMETHYLETHYL)-1-CYCLOHEXEN-1-YL

CAS# 4147-00-6

C6.H8.5.SE

M WT 1922
B PK 192
RANK 15939
IN 15939
PUR 144

THIOPHENE,2-METHYL-5-(METHYLSELENYL)-

CAS# 29421-78-1

C7.H5.0.N.Cl2

M WT 1822
B PK 189
RANK 1733
IN 5810
PUR 112

BENZAMIDE,2,6-DICHLORO-

CAS# 2008-58-4

M/E

50

100

150

200

250

C 434

LIBRARY SEARCH
01/14/83 14:23:00 + 4:20
SAMPLE: 1 UL 23961 F500 MED. LEVEL
ENHANCED (S 158 ZN 0T)

MEAD COMPUTHEN

DATA: GH023961A14 # 347

BASE M/E: 42
RIC: 1005.

19869
SAMPLE

C4.H9.N
1986

M WT 71
R PK 42
RANK 1
IN 12991
PUR 209

AZETIDINE, 2-METHYL- CAS# 19812-49-8

C4.H6.O4
1986

M WT 118
R PK 56
RANK 3
IN 1252
PUR 200

BUTANEDIOICACID CAS# 110-15-6

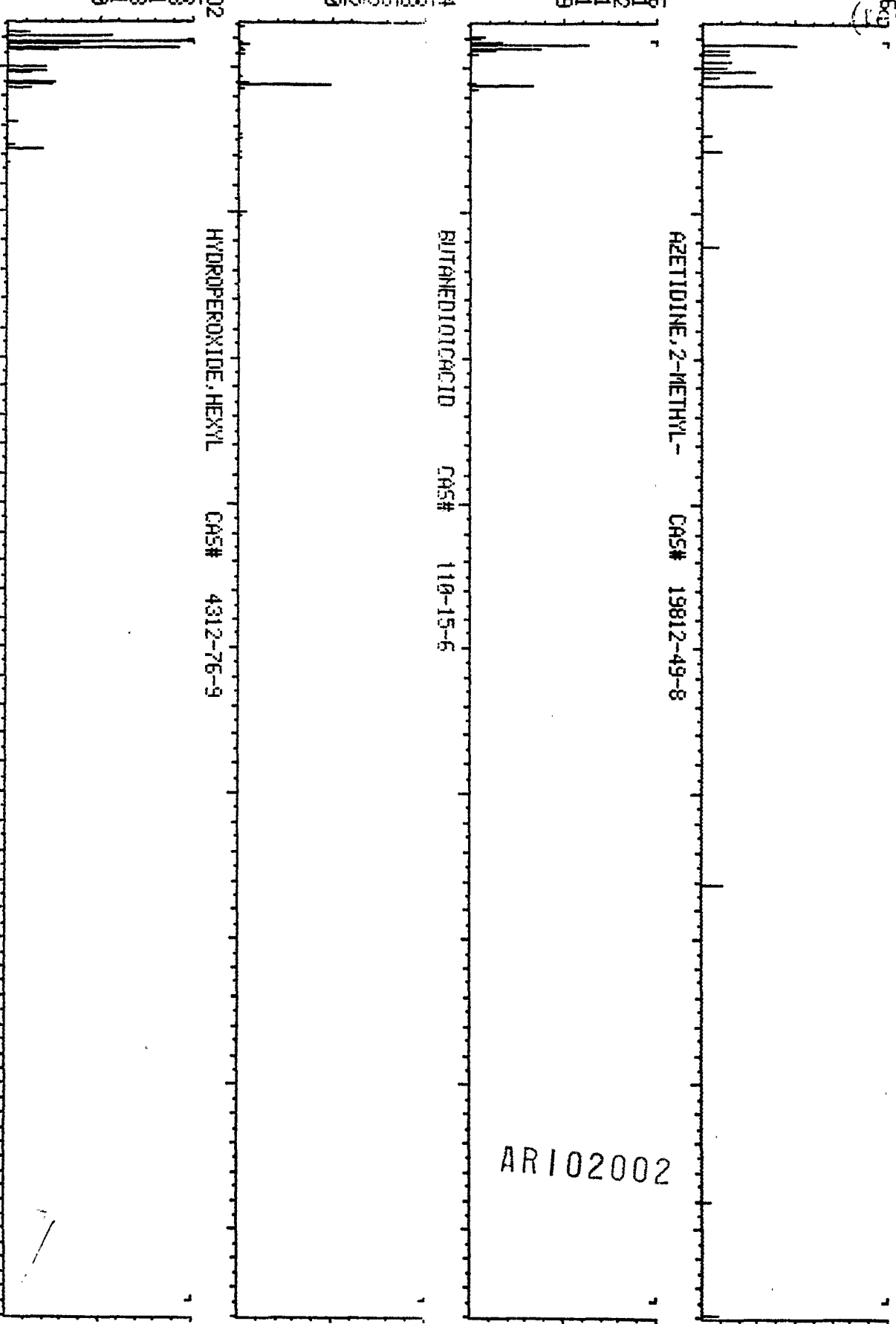
C6.H14.O2
1986

M WT 118
R PK 41
RANK 3
IN 7731
PUR 170

HYDROPEROXIDE, HEXYL CAS# 4312-76-9

AR102002

M/E 50 100 150 200 250 300 350 400 450



C 435

1119
SAMPLES

LIBRARY SEARCH
01/14/83 14:23:00 + 5:30
SAMPLE: 1 UL 23961 F500 MED. LEVEL
ENHANCED (5 158 2N 0T)

MEAD COMPUTHER

DATA: GH023961A14 # 440

BASE M/E: 75
RIC: 64820

ARI0200

C10.H20.05

M UT 1119
B PK 220
RANK 75
IN 20480
PUR 588

3-HEXANONE, 1,5,6,6-TETRAMETHOXY-

CAS# 53914-29-7

C7.H15.02

M UT 1119
B PK 132
RANK 59
IN 8036
PUR 504

PROPANE, 1,1-DIETHOXY-

CAS# 4744-08-5

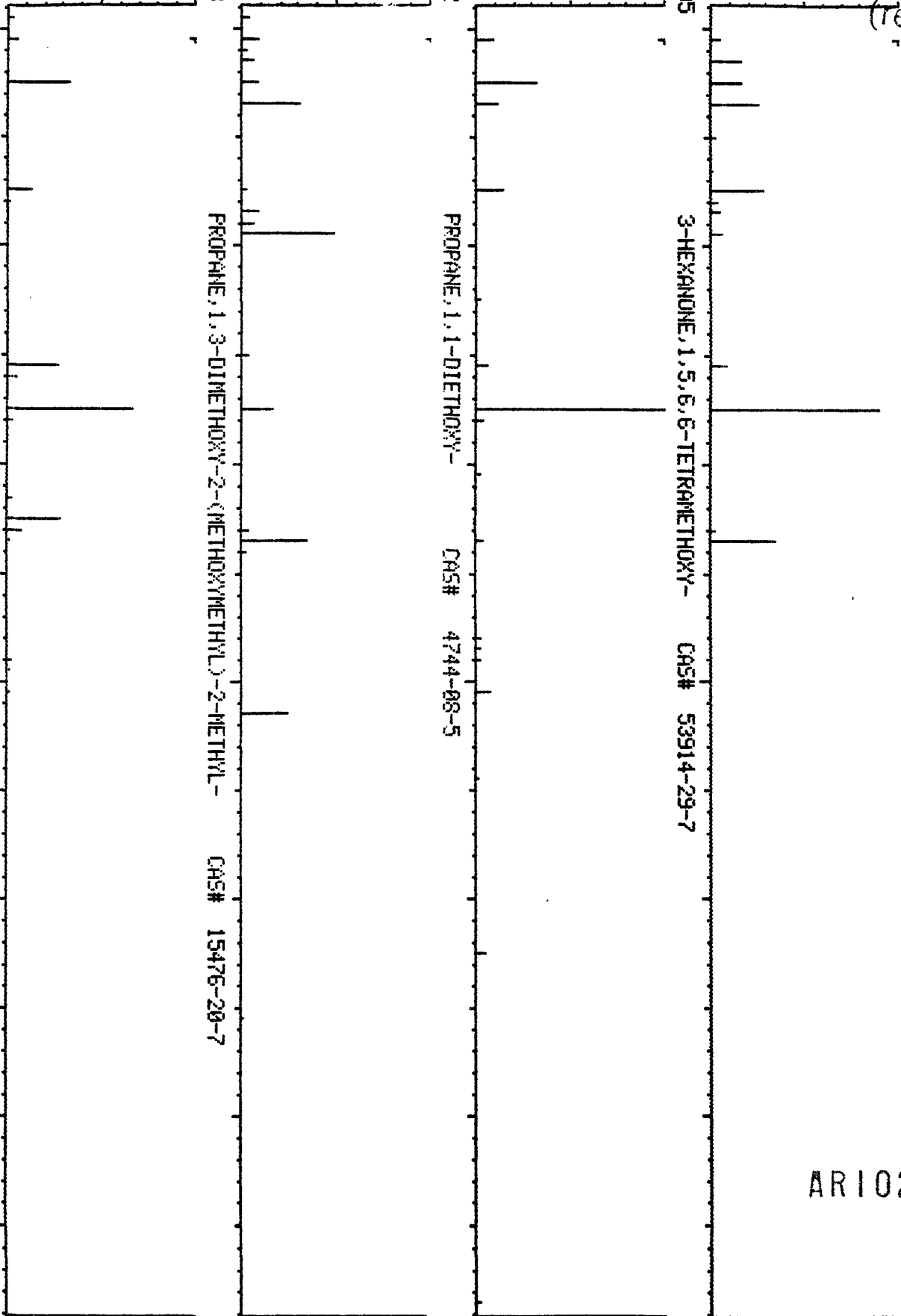
C8.H18.03

M UT 1119
B PK 162
RANK 75
IN 11175
PUR 478

PROPANE, 1,3-DIMETHOXY-2-(METHOXYMETHYL)-2-METHYL-

CAS# 15476-20-7

M/E 40 60 80 100 120 140



ORIGINAL

LIBRARY SEARCH
 01/14/83 14:23:00 + 6:45
 SAMPLE: 1 UL 23961 F500 MED. LEVEL
 ENHANCED (S 15B 2N 0T)

MEMO COMPUTHEN

DATA: GH023961A14 # 540

BASE M/E: 166
 RIC: 2299.

SAMPLE
 1603

(red)

C2,CL4
 1053

M WT 164
 B PK 166
 RANK 1
 IN 1626
 PUR 912

ETHENE, TETRACHLORO- CAS# 127-18-4

C3,H,CL2,F3
 1953

M WT 164
 B PK 164
 RANK 2
 IN 2203
 PUR 457

PROPENE, 1,2-DICHLORO-3,3,3-TRIFLUORO- CAS# 431-27-6

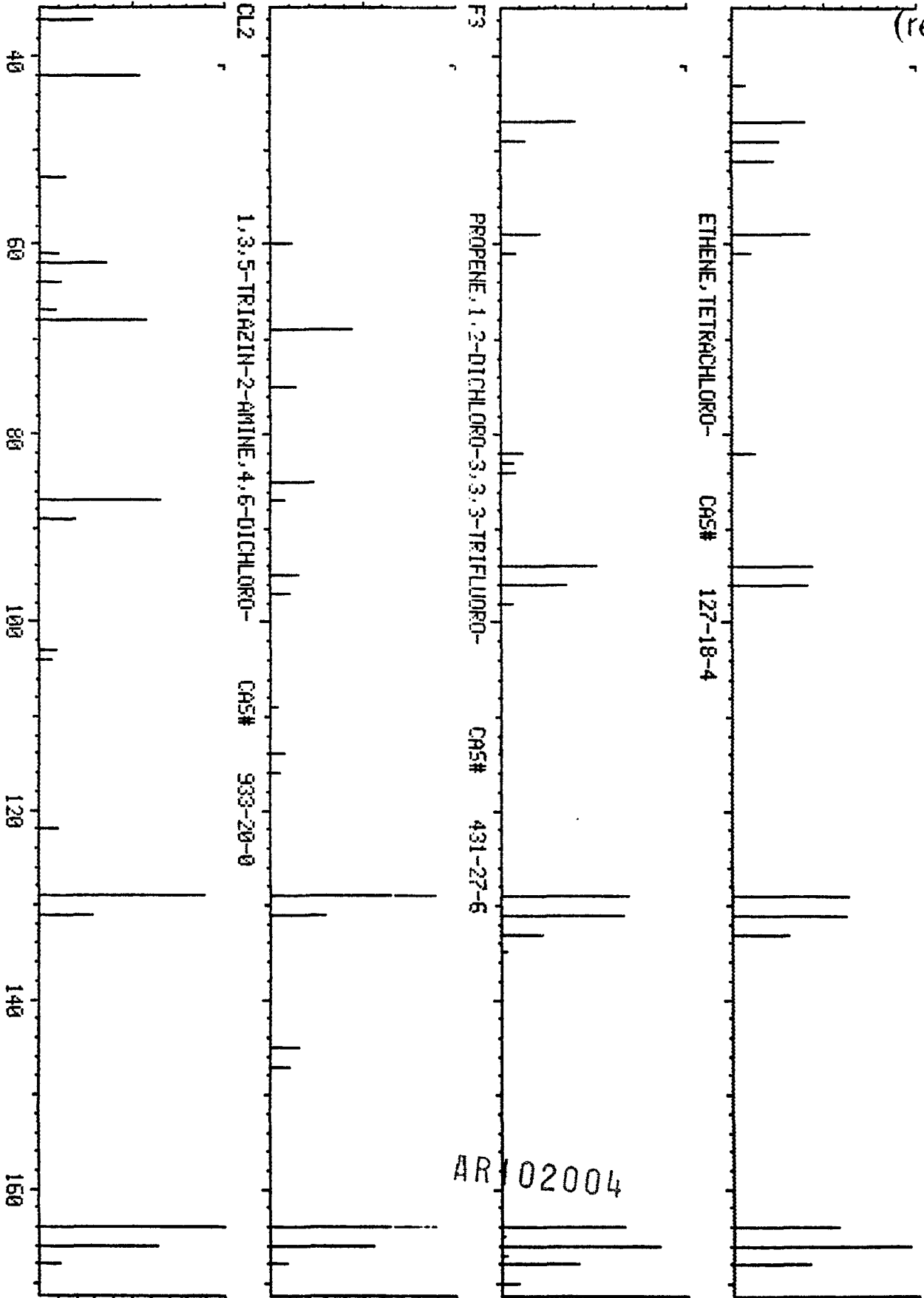
AR 02004

C3,H2,N4,CL2
 1053

M WT 164
 B PK 164
 RANK 3
 IN 4399
 PUR 442

1,3,5-TRIAZIN-2-AMINE,4,6-DICHLORO- CAS# 933-20-0

M/E



C 437

LIBRARY SEARCH
01/14/83 14:23:00 + 22:15
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N 0T)

MEAD COMPUTHEN

DATA: GH023961A14 #1780

BASE M/E: 152
RIC: 3727.

1926
SAMPLE

C14.H8.02

M WT 1225
B PK 208
RANK 152
IH 511
PUR 895

9,10-ANTHRACENEDIONE CAS# 84-65-1

C14.H8.02

M WT 1225
B PK 208
RANK 152
IH 505
PUR 812

9,10-PHENANTHRENE-9,10-DIONE CAS# 84-11-7

C12.H8.N2

M WT 1225
B PK 152
RANK 3
IH 1861
PUR 593

BENZO[C]CINOLINE CAS# 239-17-1

M/E 40 60 80 100 120 140 160 180 200

AR102005

438

LIBRARY
SAMPLE 1826

LIBRARY SEARCH
01/14/83 14:23:00 + 22:46
SAMPLE: 1 UL 23961 F50C MED. LEVEL
ENHANCED (< 5 15B 2N 0T)

MEAD COMPUTCHEM

DATA: GH023961A14 #1822

BASE M/E: 180
RIC: 1881.

C17.H16.02.N2

M WT 1020
B PK 280
RANK 180
IN 18675
PUR 479

2,4-IMIDAZOLIDINEDIONE,3-ETHYL-5,5-DIPHENYL-

CAS# 39588-47-1

C19.H15.0.N

M WT 1020
B PK 275
RANK 180
IN 11301
PUR 457

BENZENECARBOXIMIDICACID,N-PHENYL-,PHENYLESTER

CAS# 15940-86-0

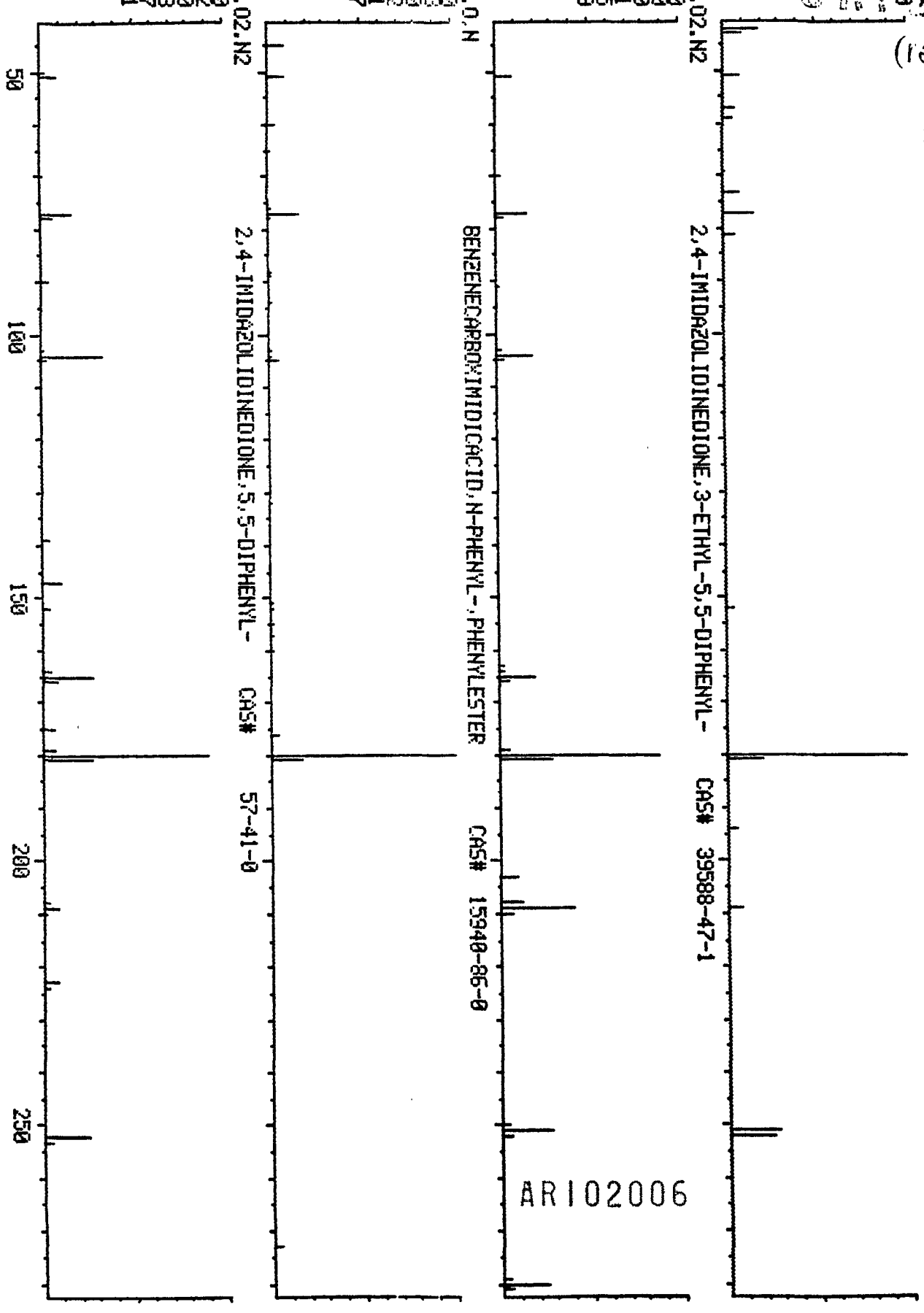
C15.H12.02.N2

M WT 1020
B PK 252
RANK 180
IN 97
PUR 451

2,4-IMIDAZOLIDINEDIONE,5,5-DIPHENYL-

CAS# 57-41-0

M/E



AR102006

92.57
46.3
50.0
100.0
M/E

(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 9:43
SAMPLE: 1 UL 23961 F50C MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTCHEM

DATA: GH023961A14 #777

BASE M/E: 94/ 94
RIC: 14771. / 165119.

2110

AR102007

34816.

37632.

M/E

50

100

150



C 440

86.2

43.1

50.0

100.0

M/E

(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 9:59
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTCHEM

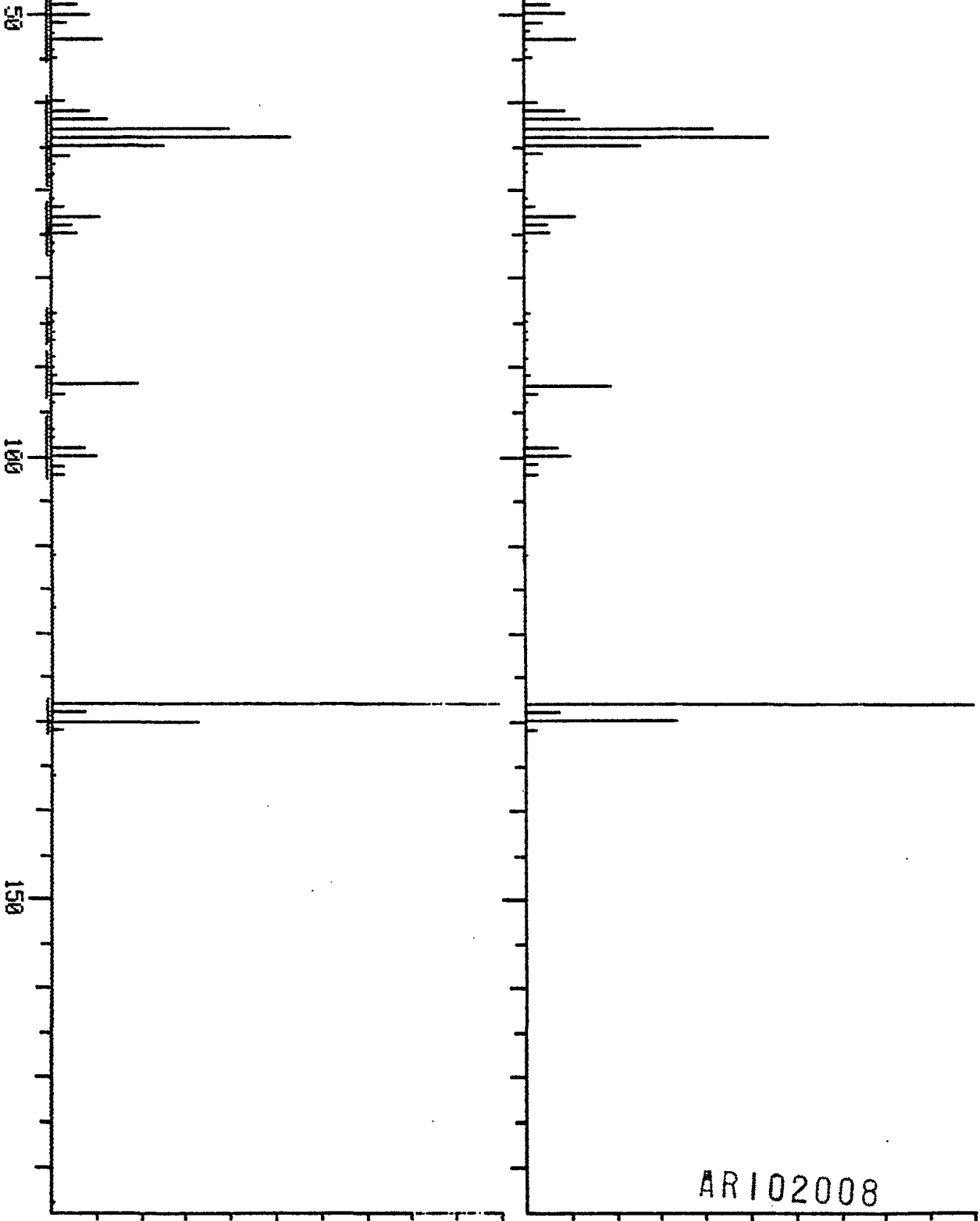
DATA: GH023961R14 #799
BASE M/E: 128/ 128
RIC: 131071./ 149247.

2601

AR102008

31456.

36480.



C 441

ORIGINAL

(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 10:16
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

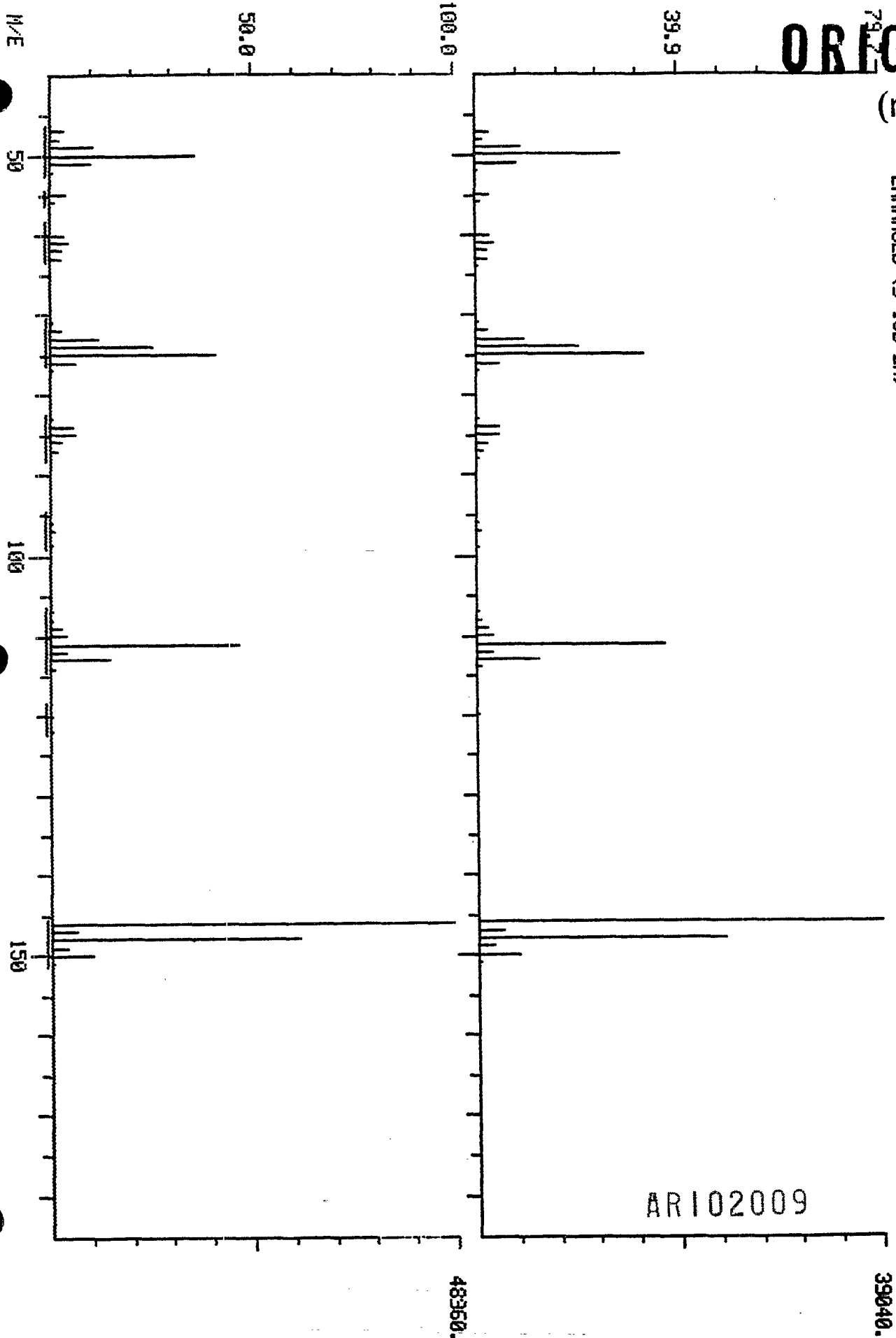
HEAD COMPUTED

DATA: CH023961A14 #822

BASE M/E: 146/ 146
RIC: 175359. / 219647.

0421

AR102009



C 442

ORIGINAL

(red)

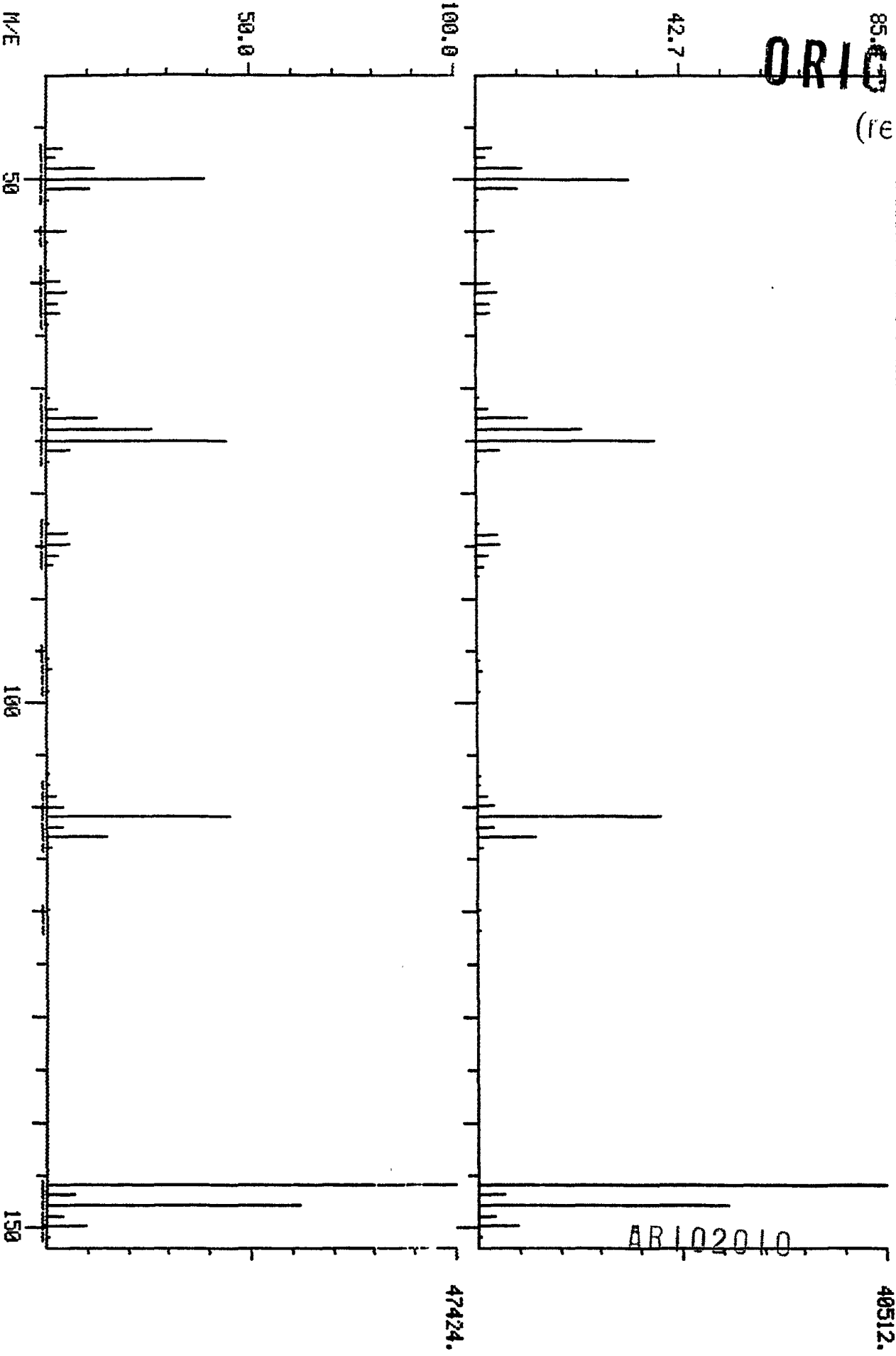
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 10:23
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 15B 2N)

MEAD COMPUTHER

DATA: GH023961A14 #831

BASE M/E: 146/ 146
RIC: 182271./ 216063.

4422



C 443

ORIGINAL

(Ref)

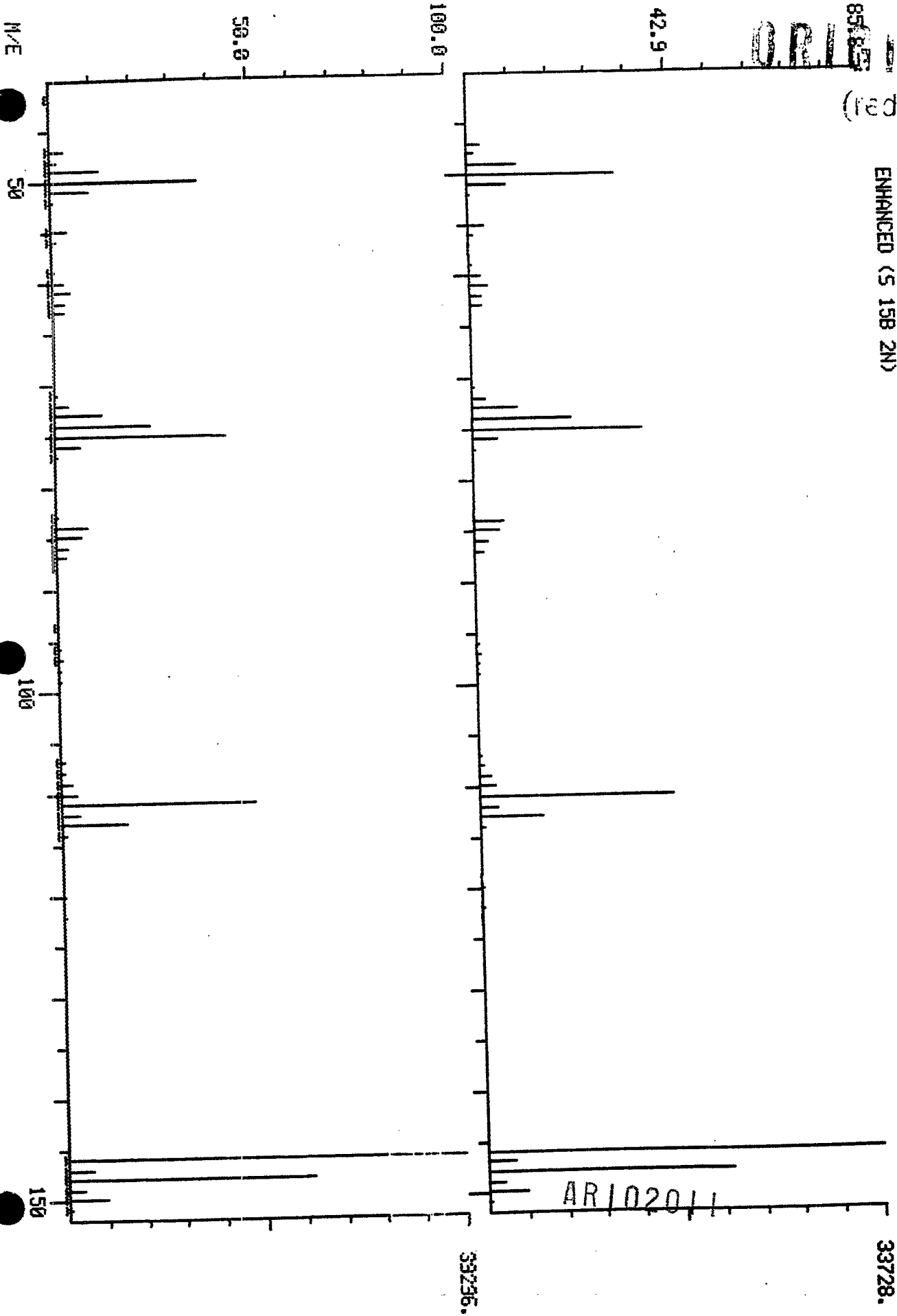
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 10:46
SAMPLE: 1 UL 23961 F50C MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTCHEM

DATA: GH023961A14 #862

BASE M/E: 146/ 146
RIC: 155391. / 181503.

DUP



MEAD COMFUCHEM

DATA: GH023961A14 #912

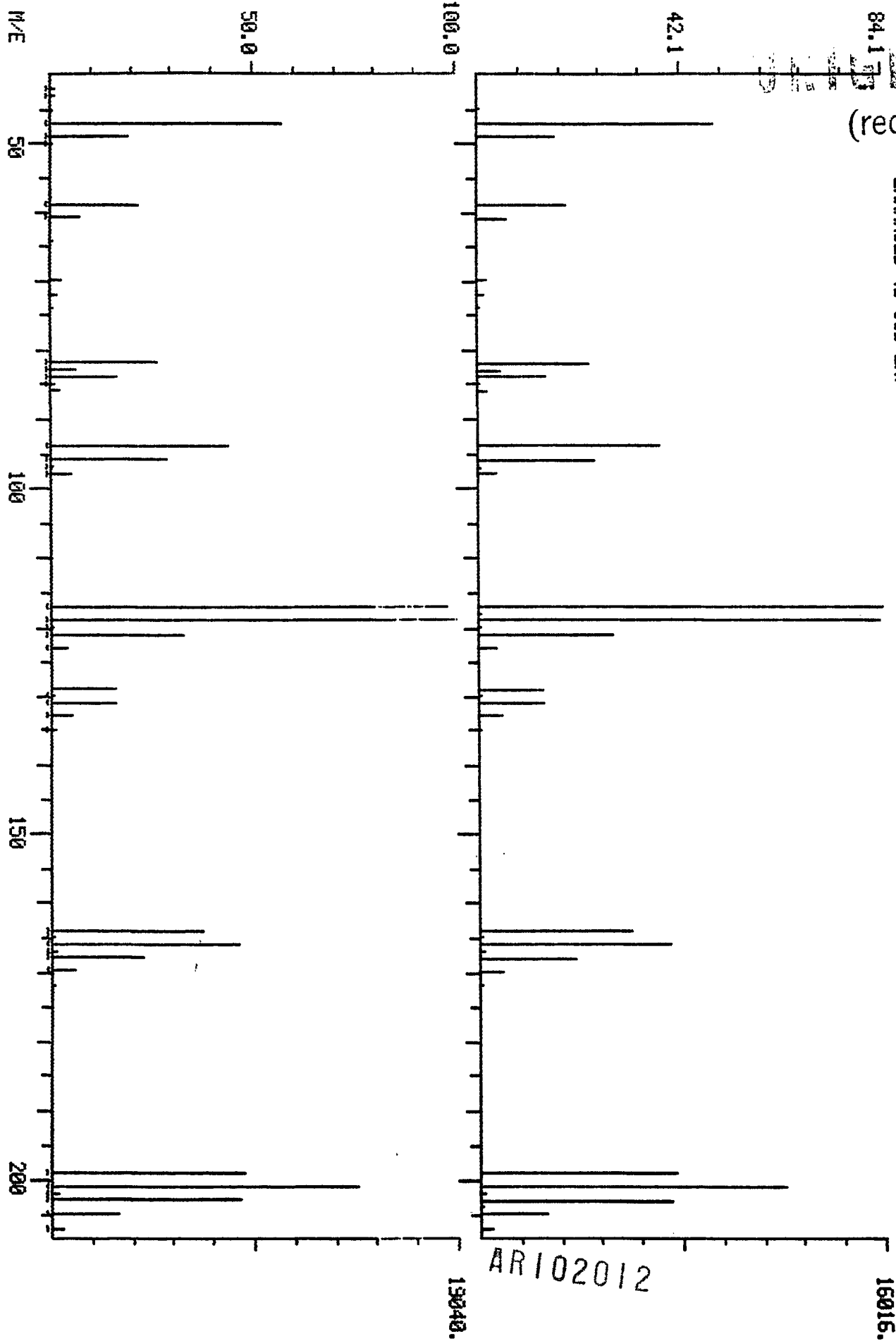
BASE M/E: 117/ 119

RIC: 132863./ 156415.

43

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 11:24
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

(red)



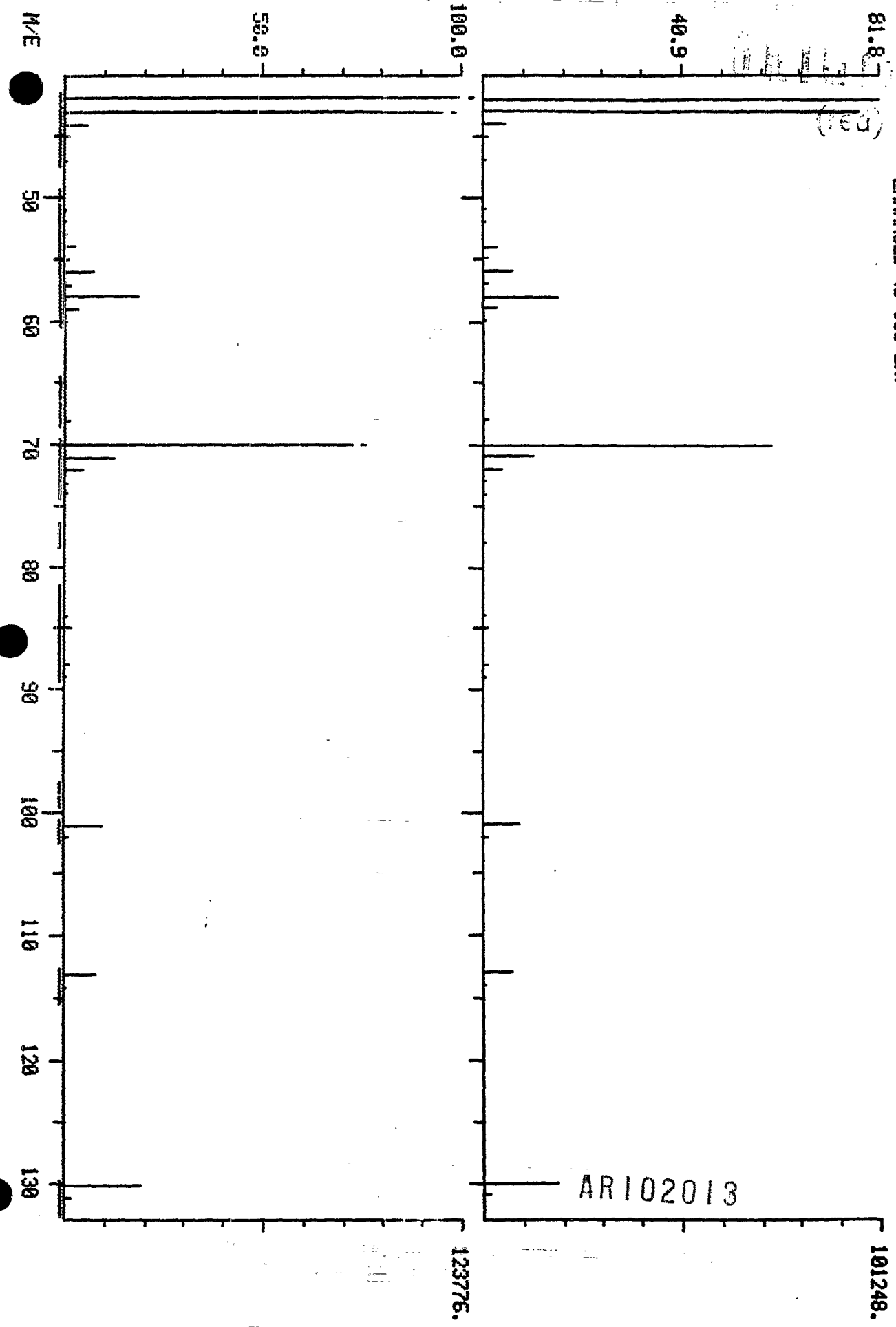
C 445

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 11:19
SAMPLE: 1 UL 23961 F5CC MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTHER

DATA: GH023961A14 #905
BASE M/E: 42/ 42
RIC: 375807./ 464895.

Ø442

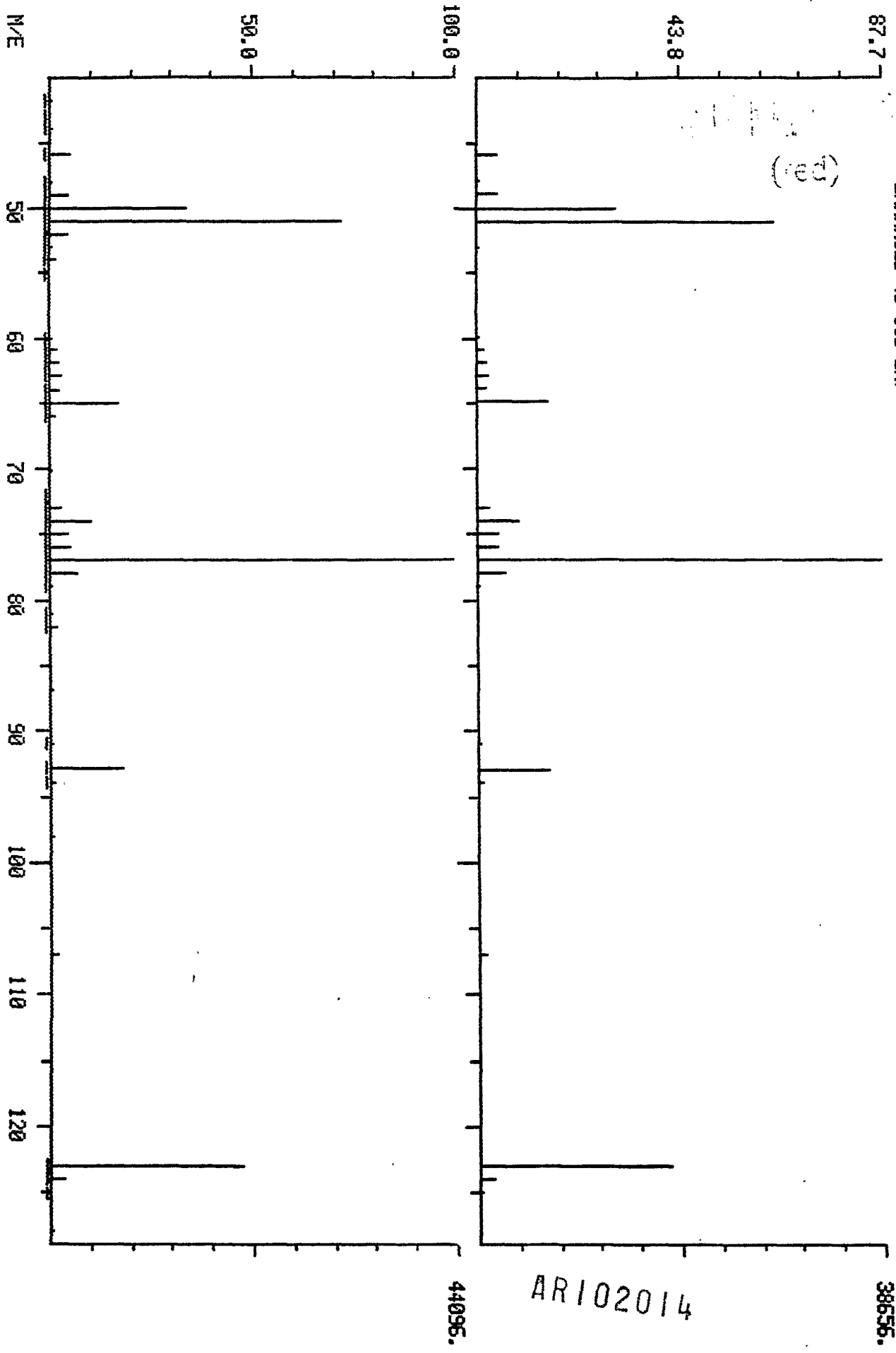


HEAD COMPUTCHEM

0446

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 11:36
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

DATA: CH023961A14 #928 BASE M/E: 77 / 77
R.I.C: 133887. / 157439.



C 447

ORIGINAL
(red)

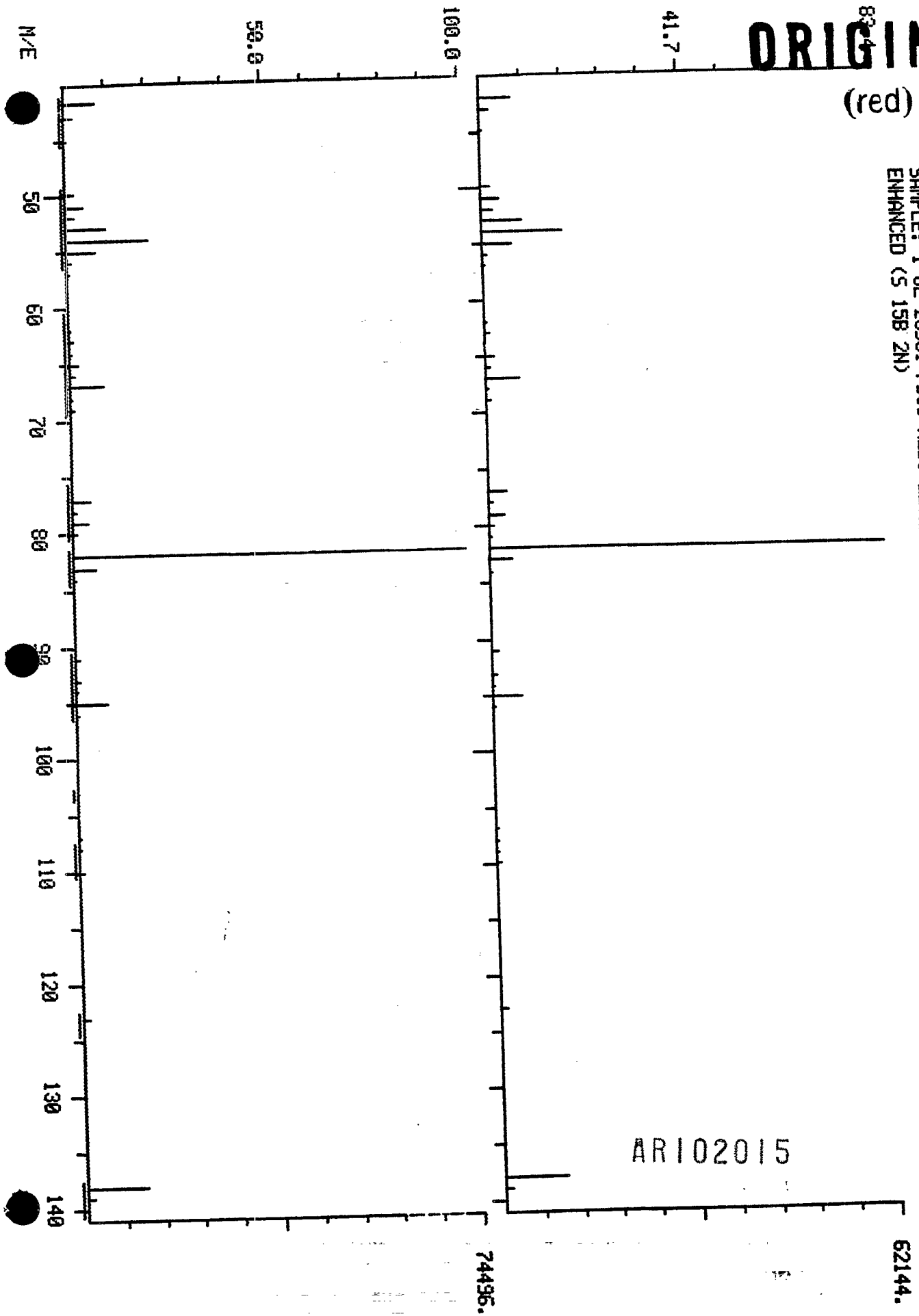
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 12:05
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 ZN)

MEAD COMPUTHER

DATA: GH023961A14 #967

BASE M/E: 82 / 82
RIC: 141055. / 166655.

0438



AR102015

C 448

ORIGINAL

(red)

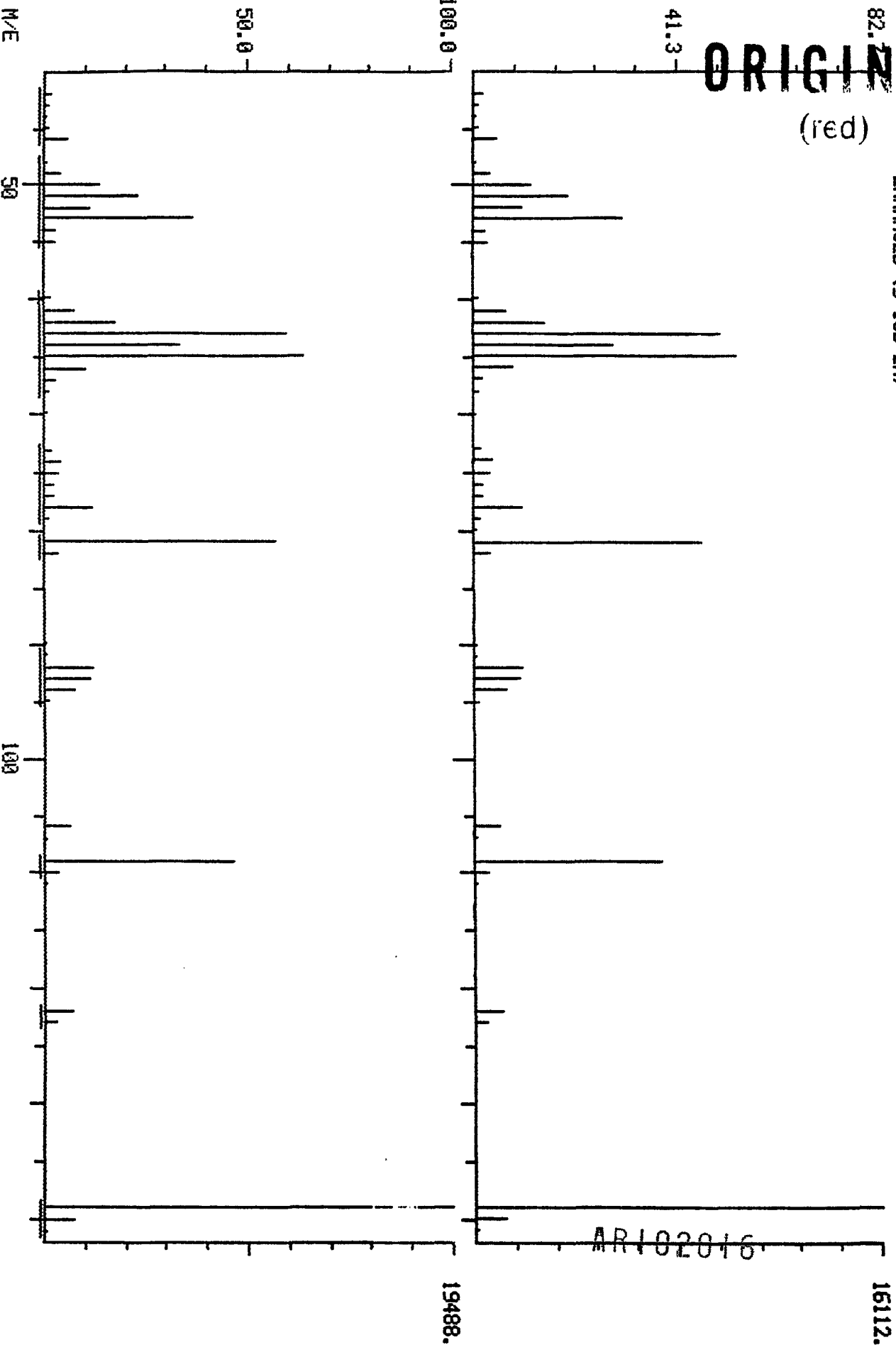
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 12:16
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHER

DATA: GH023961A14 #982

BASE M/E: 139/ 139
PIC: 97407/ 115711.

W



C 449

ORIGINAL

(red)

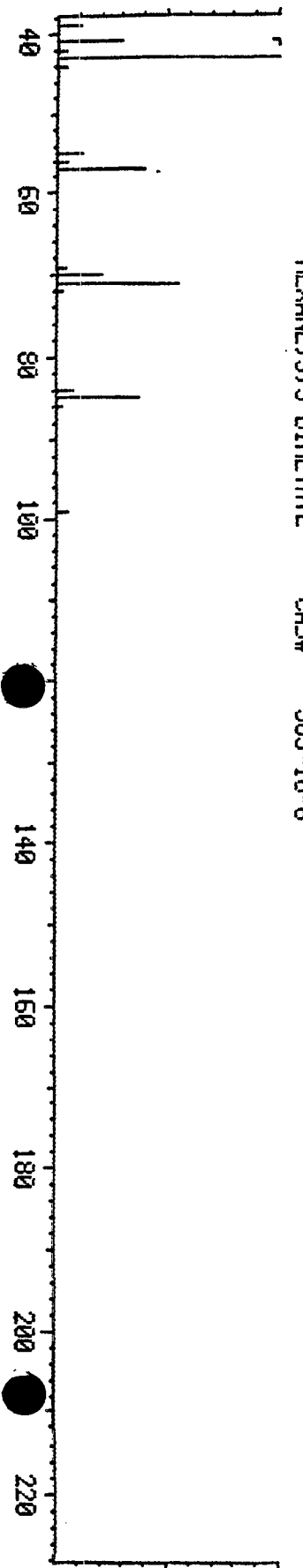
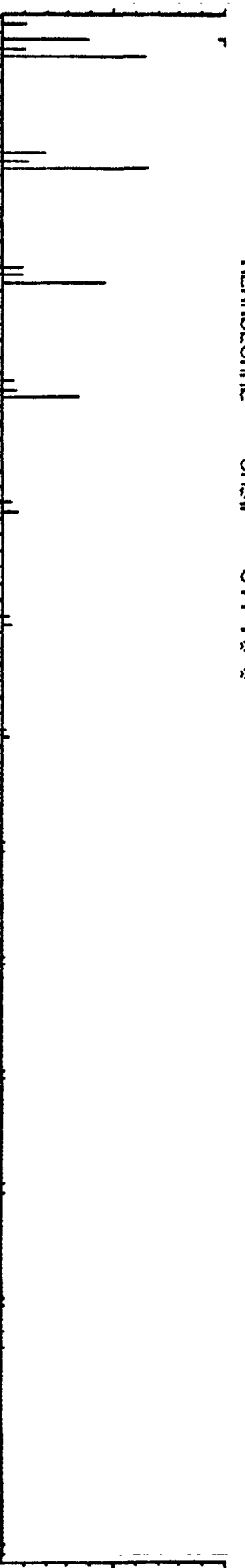
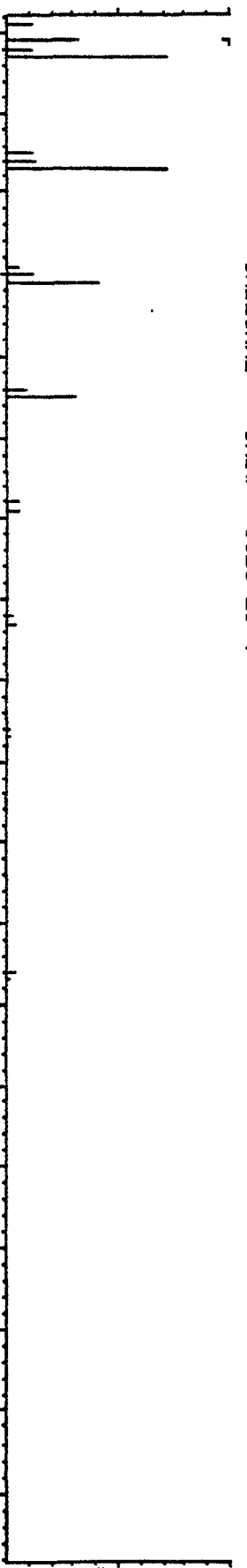
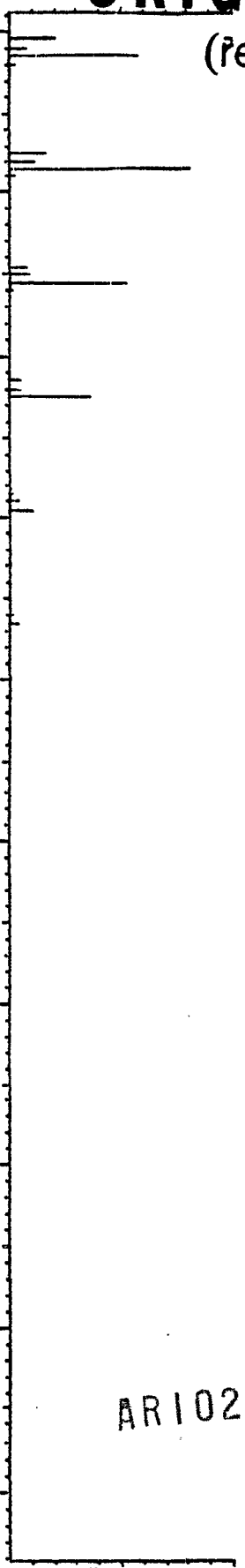
LIBRARY SEARCH
 01/15/83 0:03:00 + 23:23
 SAMPLE: JUL 24952 DIRECT INJECT ON #7
 ENHANCED (S 158 2N 0T)

HEAD COMPUTED

DATA: GH024952007 #1871

BASE M/E: 57
 RIC: 7103

AR10201



M WT 1240
 B PK 114
 RANK 43
 IN 2914
 PUR 863

M WT 1240
 B PK 226
 RANK 57
 IN 2811
 PUR 868

M WT 1240
 B PK 156
 RANK 57
 IN 4769
 PUR 898

M/E 40 50 60 80 100 140 150 180 200 220

c 450

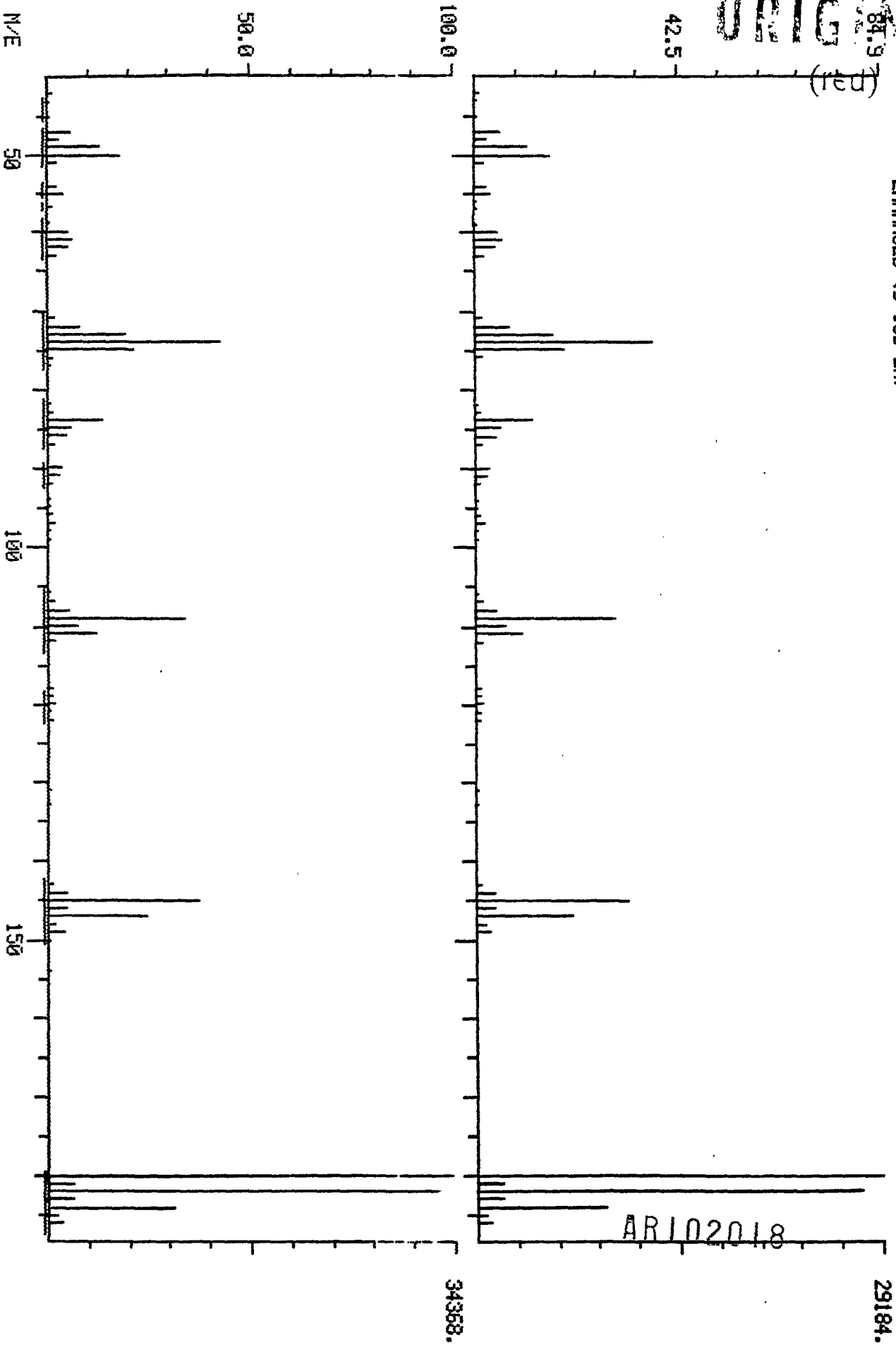
ORIGINAL

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 12:58
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 15B 2N)

MEAD COMPUTHER

DATA: CH023961A14 #1037 BASE M/E: 180/180
RIC: 176383./ 205311.

0446



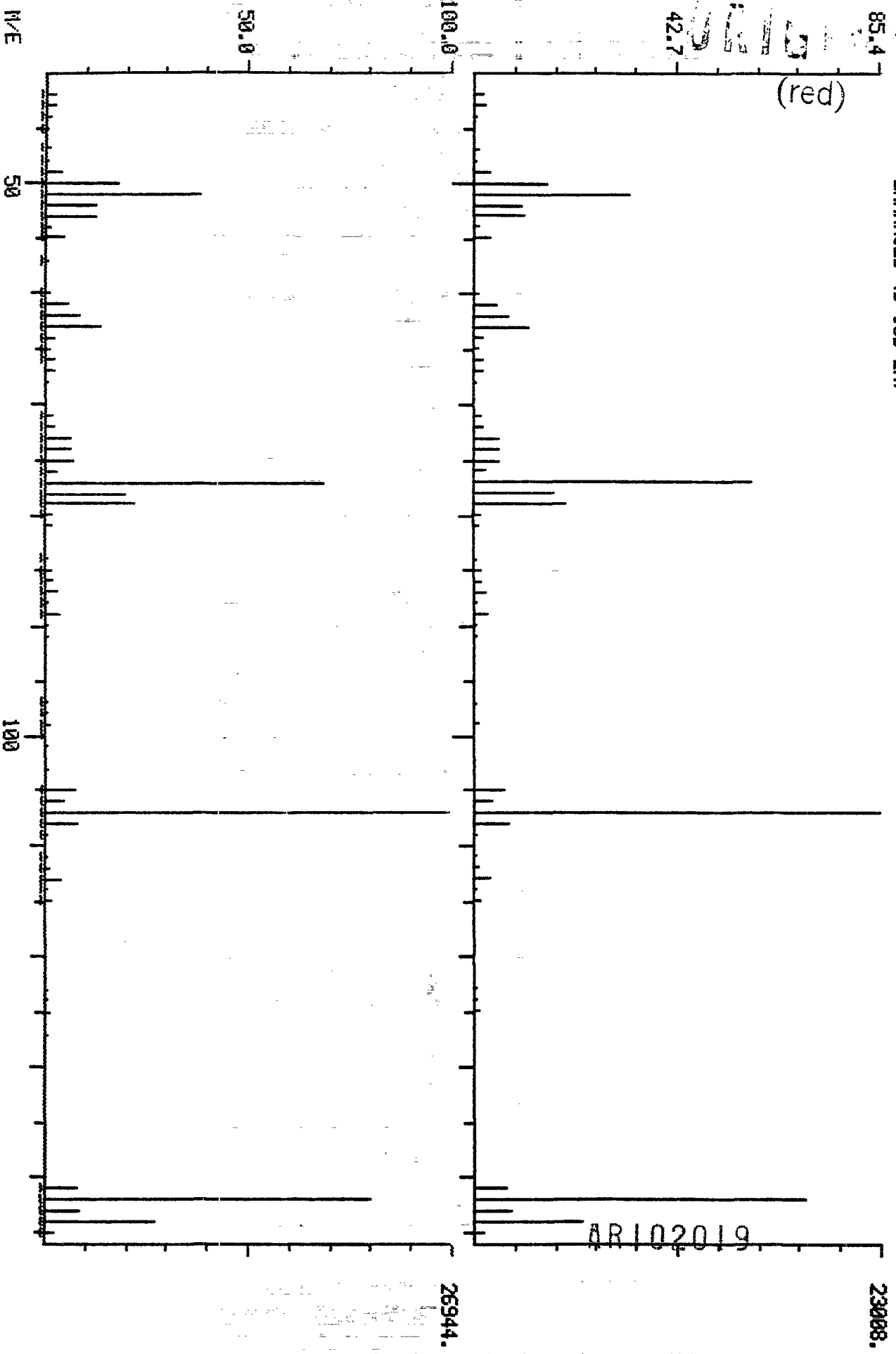
C 451

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 14:17
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 15B 2N)

MEAD COMPUTCHEM

DATA: GH023961A14 #1143 BASE M/E: 107/ 107
RIC: 125311./ 146175.

WDS



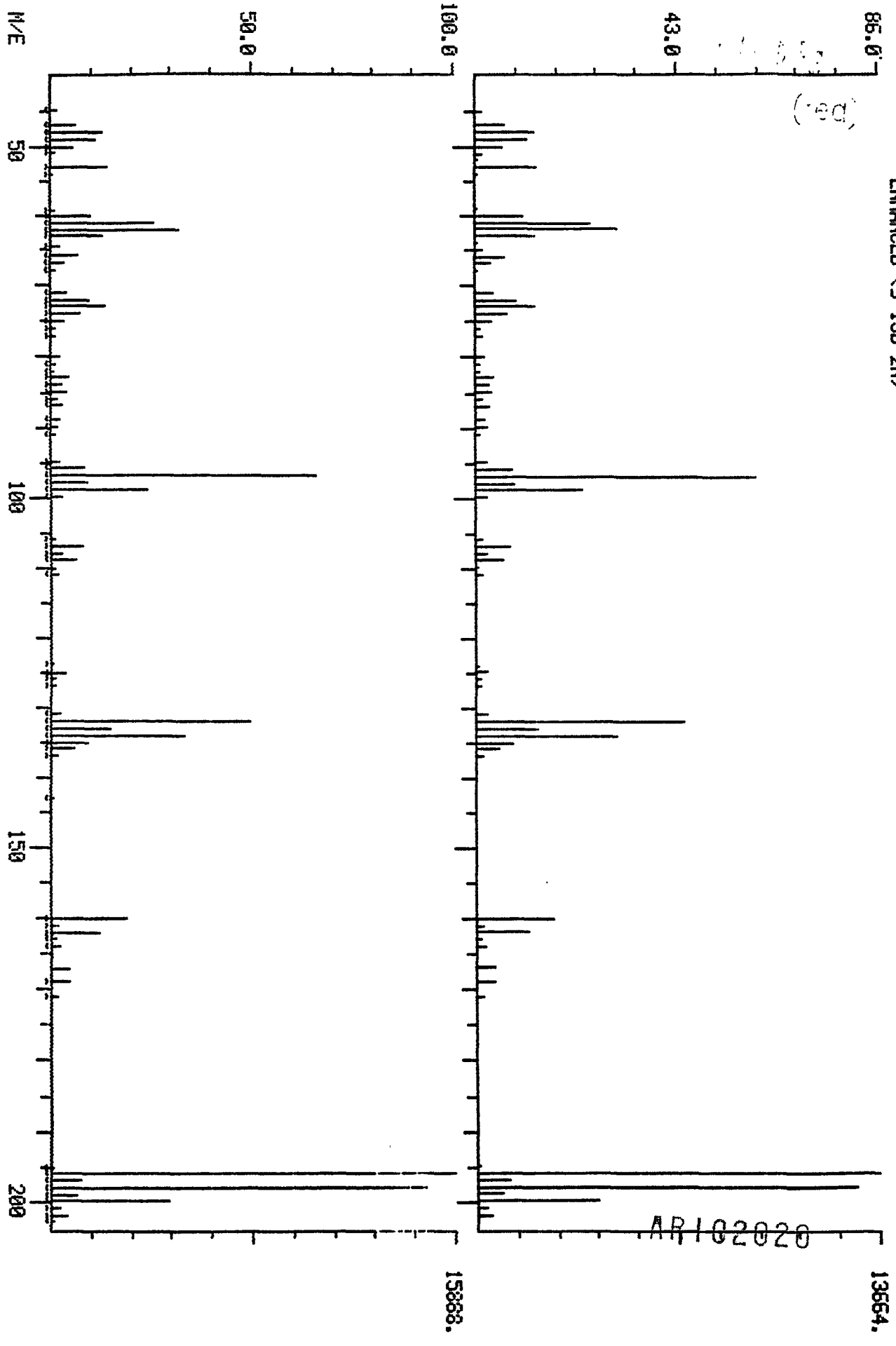
AR102019

0611

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 15:18
SAMPLE: 1 UL 23961 F5CC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTHER

DATA: GH023961A14 #1224 BASE M/E: 196/ 196
RIC: 109695./ 120831.



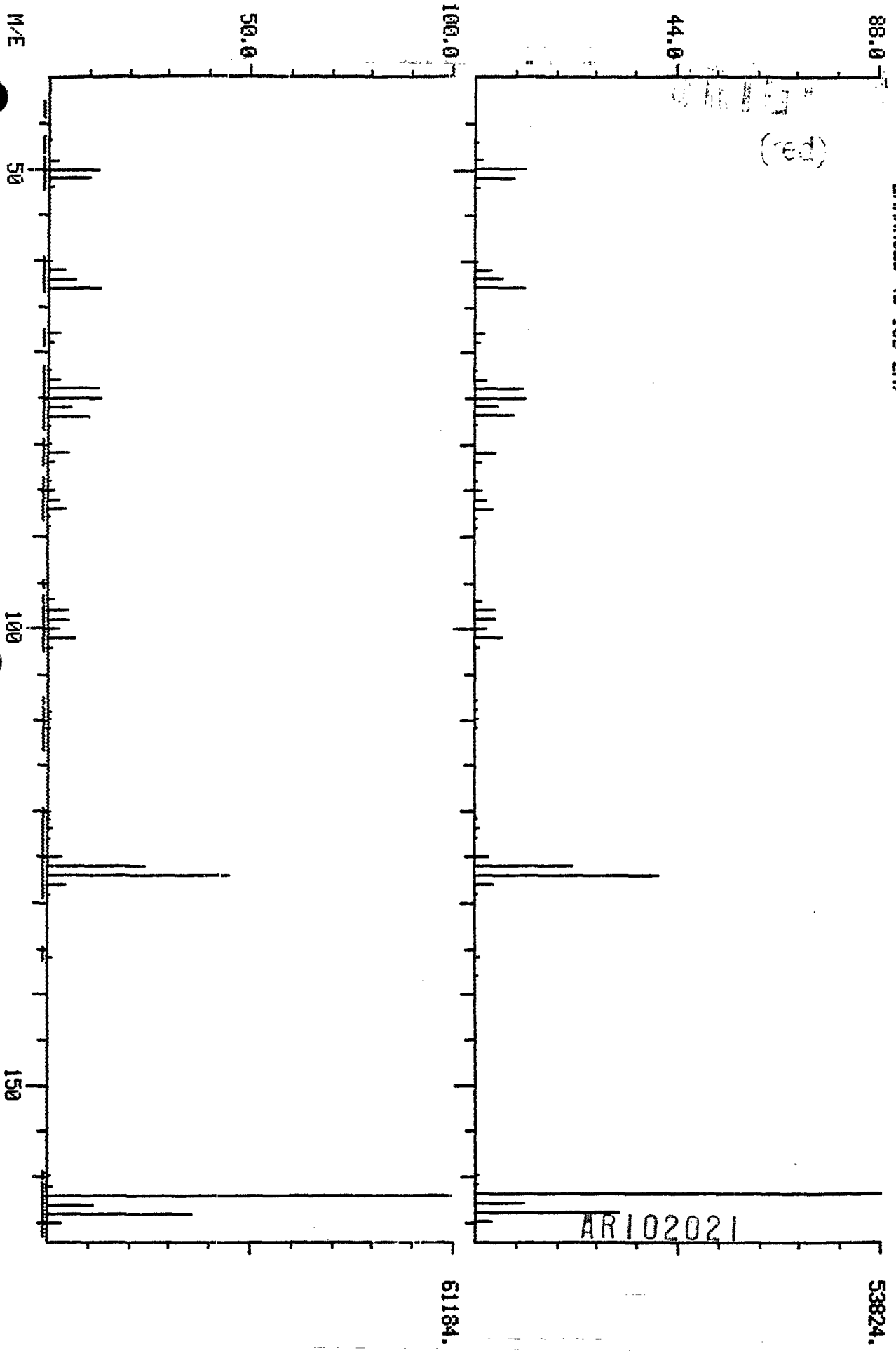
C 453

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 15:43
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTER

DATA: GH023961A14 #1258 BASE M/E: 162/ 162
RIC: 200191./ 230143.

2414



AR102021

C 454

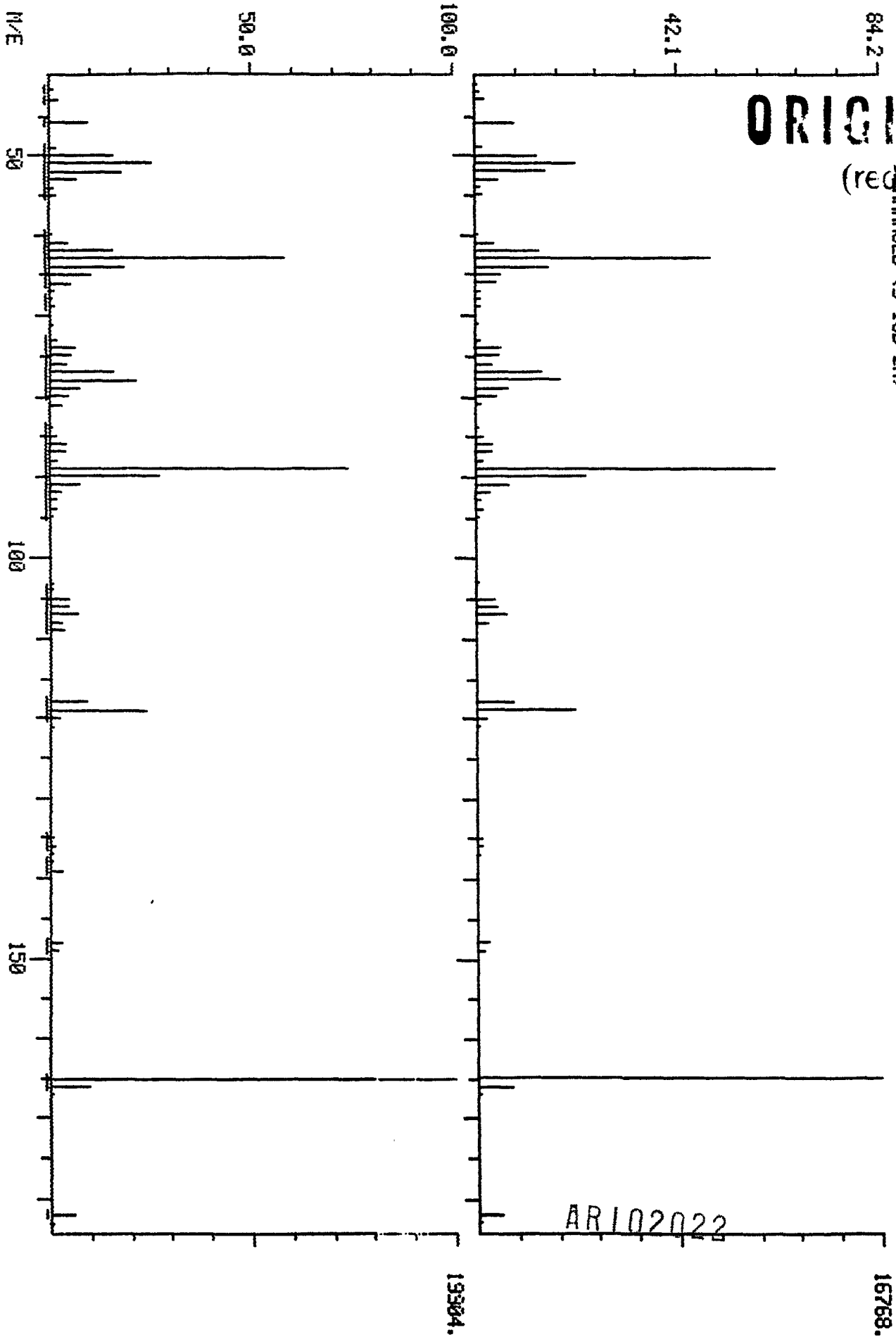
ORIGINAL

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 17:32
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)
(rec)

MEAD COMPUTHERM

DATA: GH023961A14 #1403 BASE M/E: 165/ 165
RIC: 95103./ 115967.

8427



C 455

ORIGINAL

(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 17:06
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

MEAD COMPUTHER

DATA: GH023961A14 #1368 BASE M/E: 153/ 153

RIC: 213503./ 246783.

Ø401

43.7

100.0

50.0

M/E

50

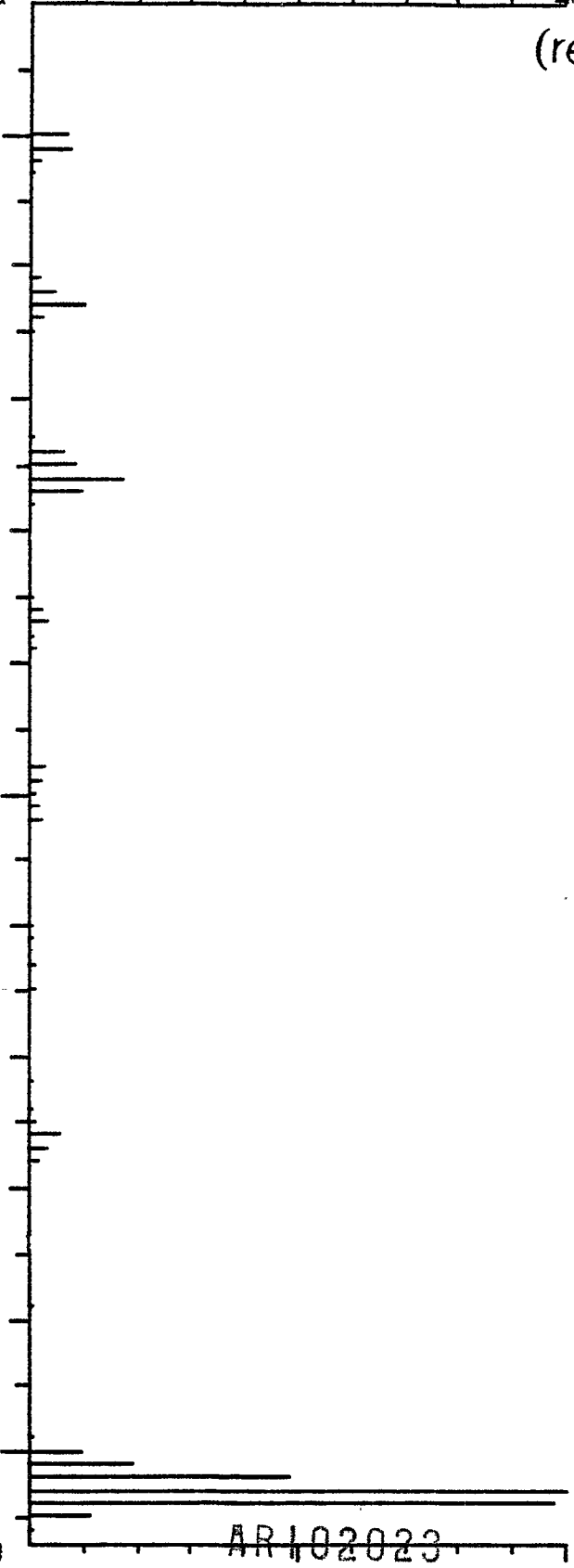
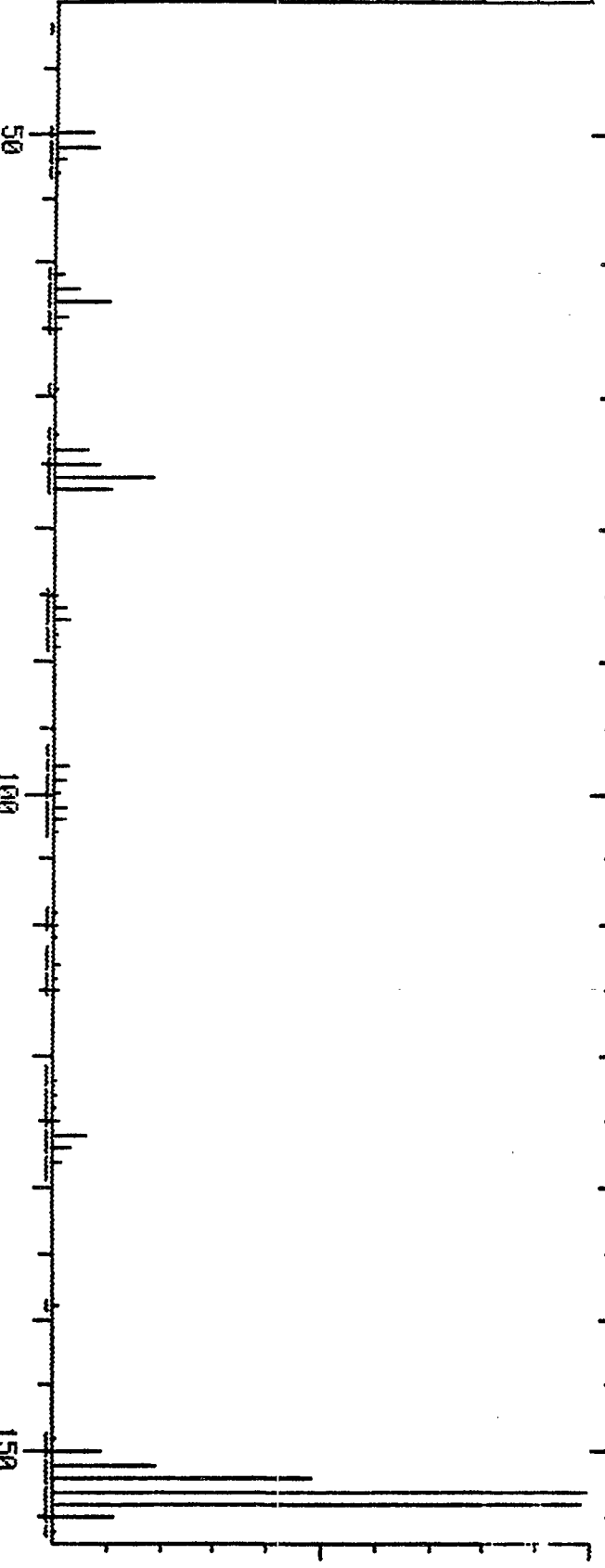
100

150

50480.

52800.

AR102023



C 456

01/14/83 14:23:00 + 17:19

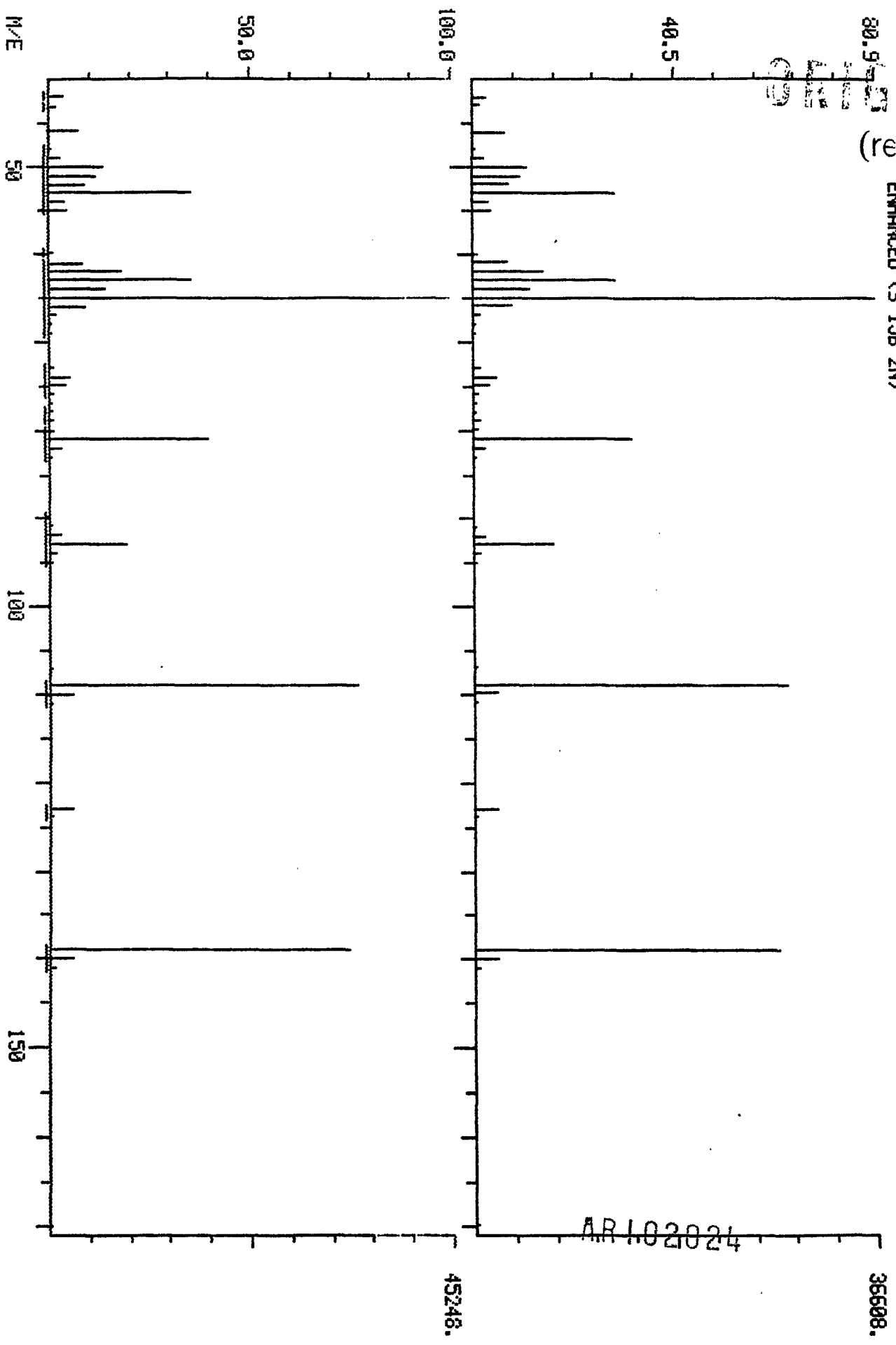
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 17:19
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTER

DATA: CH023961A14 #1386 BASE M/E: 65/ 65
RIC: 197887. / 243199.

Ø 687



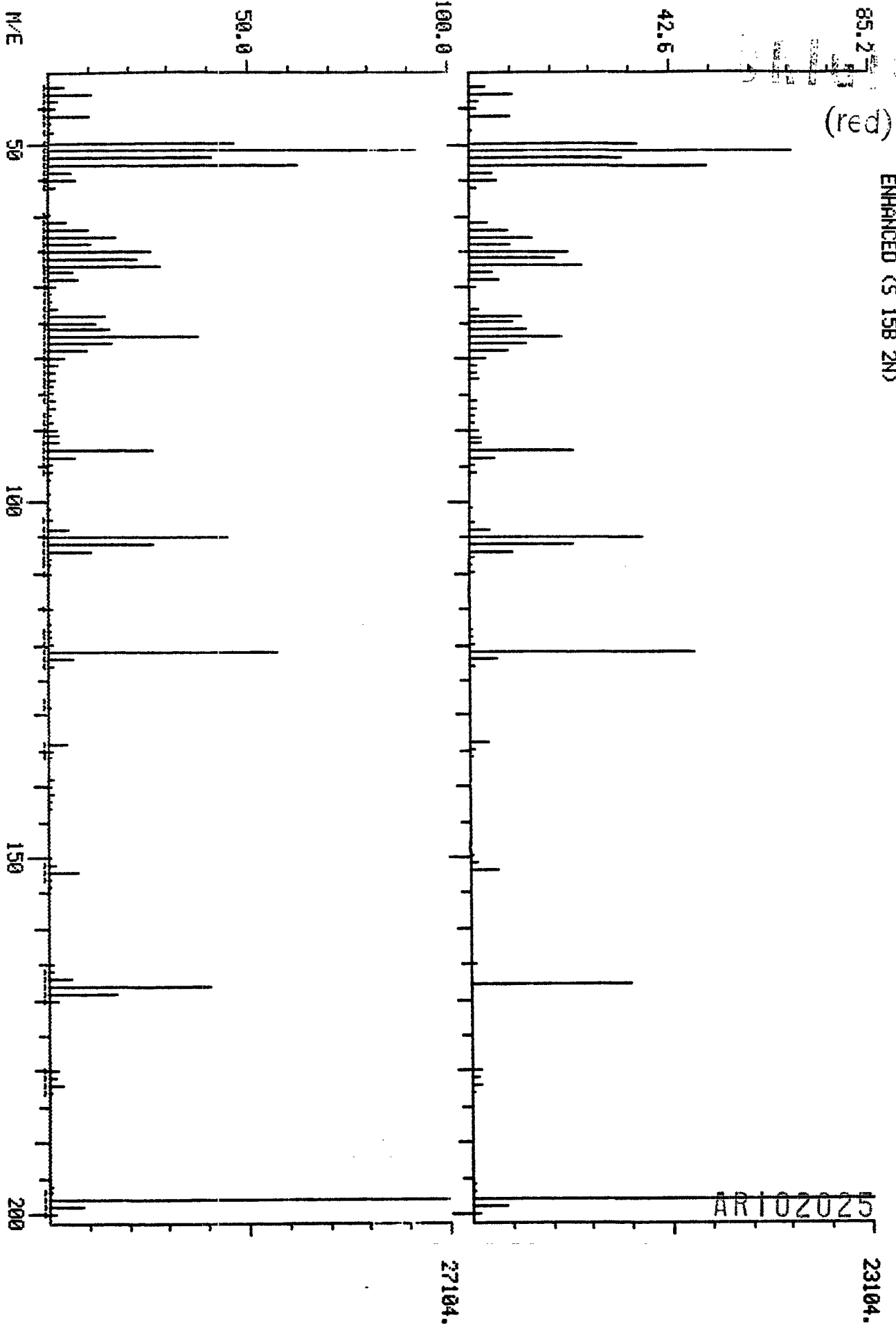
C 457

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 18:28
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTCHEM

DATA: GH023961A14 #1477 BASE M/E: 198/198
RIC: 199679./ 258559.

duph

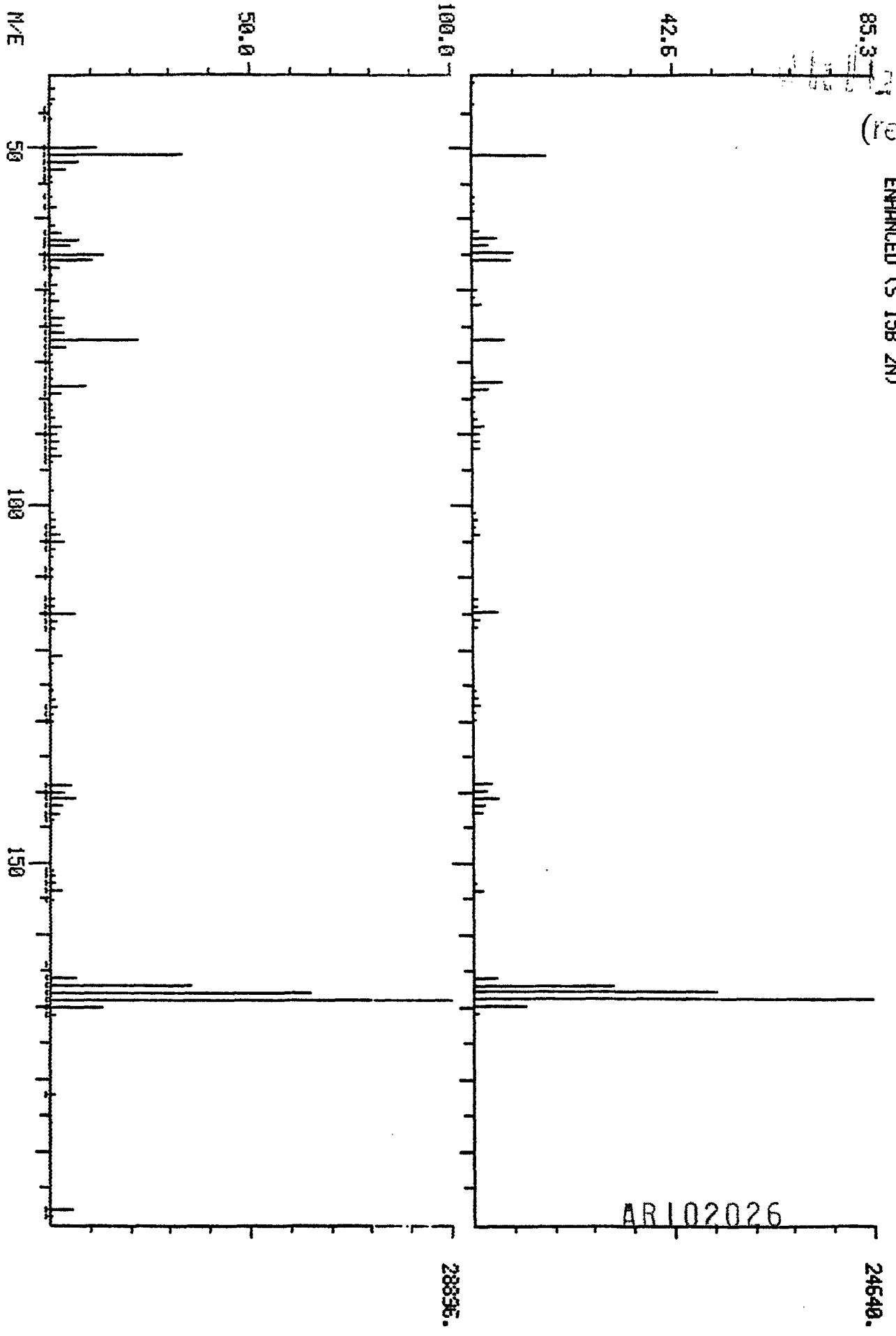


0443

MEAD COMPUTHER

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 18:30
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 15B ZN)

DATA: GH023961A14 #1480 BASE M/E: 169/ 169
RIC: 84223./ 131839.



854.0

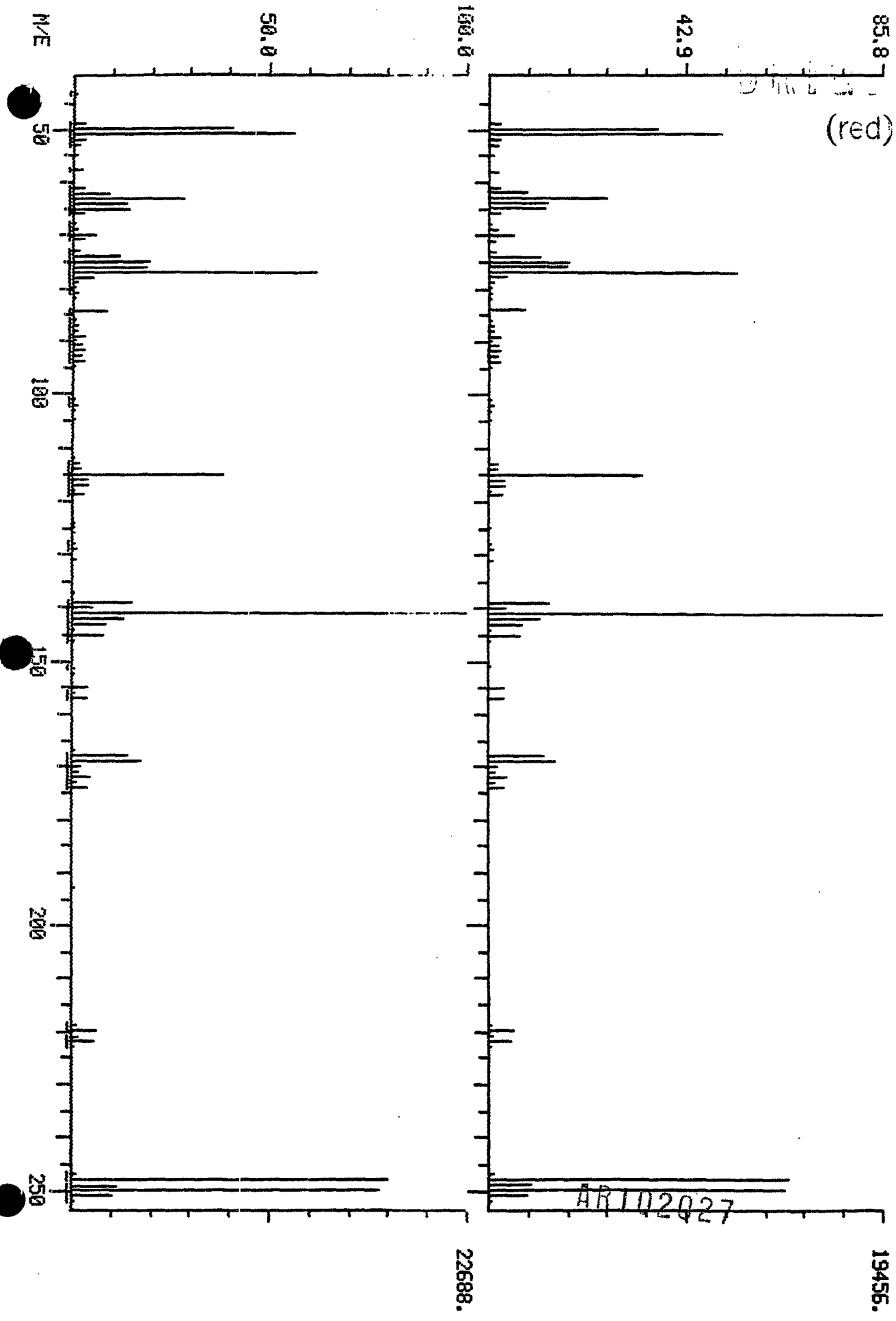
C 459

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 19:19
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 15B 2N)

NEAD COMPUTER

DATA: GH023961A14 #1545 BASE M/E: 141/ 141
RIC: 155135.7 181503.

Ø414



C 460

ORIGINAL

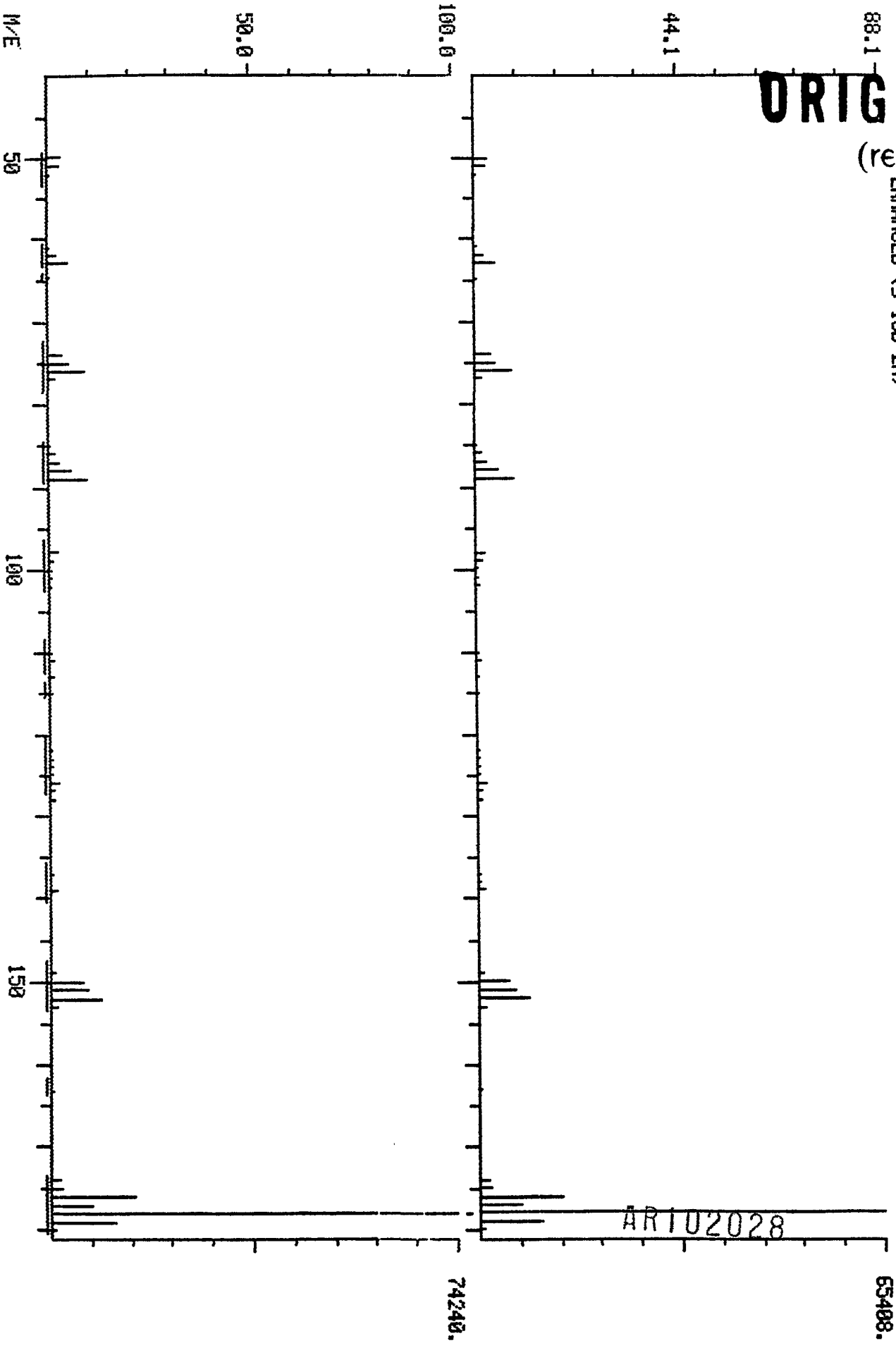
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 20:31
SAMPLE: 1 UL 23961 F5CC MED. LEVEL
ENHANCED (5 158 ZN)

MEAD COMPUTHER

DATA: GH023961A14 #1641
BASE M/E: 178/ 178
RIC: 170495./ 193791.

0403



C461

QUANTITATION REPORT FILE: EXTRA

DATA: GH023961A14.TI
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
SUBMITTED BY: 14 ANALYST: MB

ORIGINAL
(red)

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	328	4:06	21	0.362	A BV	65138.	4.036	0.34
2	RIC	347	4:20	21	0.383	A VB	6950.	0.431	0.04
3	RIC	357	4:28	21	0.394	A BE	50482.	3.128	0.26
4	RIC	378	4:43	21	0.418	A BV	41429.	2.567	0.21
5	RIC	409	5:07	21	0.452	A BV	8314.	0.515	0.04
6	RIC	440	5:30	21	0.486	A VB	36002.	2.231	0.19
7	RIC	458	5:43	21	0.506	A BV	15248.	0.945	0.08
8	RIC	474	5:55	21	0.524	A VV	10823.	0.671	0.06
9	RIC	487	6:05	21	0.538	A VV	6538.	0.405	0.03
10	RIC	540	6:45	21	0.597	A VV	17893.	1.109	0.09
11	RIC	550	6:52	21	0.608	A VV	13322.	0.825	0.07
12	RIC	581	7:16	21	0.642	A BE	5341.	0.331	0.03
13	RIC	637	7:58	21	0.704	A VV	381759.	23.653	1.97
14	RIC	757	9:28	21	0.836	A BV	321360.	19.911	1.65
15	RIC	766	9:34	21	0.846	A VV	232112.	14.381	1.19
16	RIC	777	9:43	21	0.859	A VB	455038.	28.193	2.34
17	RIC	799	9:59	21	0.883	A BE	371698.	23.030	1.91
18	RIC	822	10:16	21	0.908	A BV	459982.	28.500	2.37
19	RIC	831	10:23	21	0.918	A VV	516900.	32.026	2.66
20	RIC	862	10:46	21	0.952	A BE	449887.	27.874	2.32
21	RIC	905	11:19	21	1.000	A BV	1613990.	100.000	8.31
22	RIC	912	11:24	21	1.008	A VB	368729.	22.846	1.90
23	RIC	928	11:36	21	1.025	A BV	743869.	46.089	3.83
24	RIC	946	11:49	21	1.045	A BE	304558.	18.870	1.57
25	RIC	967	12:05	21	1.069	A BE	424422.	26.296	2.18
26	RIC	982	12:16	21	1.085	A BV	267064.	16.547	1.37
27	RIC	990	12:22	21	1.094	A VB	17892.	1.109	0.09
28	RIC	1001	12:31	21	1.106	A BV	19026.	1.179	0.10
29	RIC	1023	12:47	21	1.130	A VB	5790.	0.359	0.03
30	RIC	1037	12:58	21	1.146	A BV	487958.	30.233	2.51
31	RIC	1045	13:04	21	1.155	A VB	150665.	9.335	0.78
32	RIC	1143	14:17	21	1.263	A BE	406360.	25.177	2.09
33	RIC	1224	15:18	21	1.352	A BV	350936.	21.743	1.81
34	RIC	1239	15:29	21	1.369	A VB	593207.	36.754	3.05
35	RIC	1258	15:43	21	1.390	A BE	576720.	35.733	2.97
36	RIC	1368	17:06	21	1.512	A BE	663424.	41.105	3.42
37	RIC	1386	17:19	21	1.531	A BV	931682.	57.725	4.80
38	RIC	1403	17:32	21	1.550	A VB	347144.	21.508	1.79
39	RIC	1434	17:55	21	1.585	A BE	633294.	39.238	3.26
40	RIC	1477	18:28	21	1.632	A BV	1166950.	72.302	6.01
41	RIC	1486	18:34	21	1.642	A VV	555464.	34.416	2.86
42	RIC	1492	18:39	21	1.649	A VB	12180.	0.755	0.06
43	RIC	1545	19:19	21	1.707	A BE	474462.	29.397	2.44
44	RIC	1595	19:56	21	1.762	A BE	5917.	0.367	0.03
45	RIC	1604	20:03	21	1.772	A BE	219290.	13.587	1.13
46	RIC	1628	20:21	21	1.799	A BV	137534.	8.521	0.71

AR102029

C 462

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
47	RIC	1641	20:31	21	1.813	A VB	551693.	34.182	2.84
48	RIC	1669	20:52	21	1.844	A BB	5824.	0.361	0.03
49	RIC	1722	21:31	21	1.903	A BV	9296.	0.576	0.05
50	RIC	1738	21:43	21	1.920	A VB	579554.	35.908	2.98
51	RIC	1780	22:15	21	1.967	A BB	12091.	0.749	0.06
52	RIC	1822	22:46	21	2.013	A BB	5466.	0.339	0.03
53	RIC	1838	22:58	21	2.031	A BV	7628.	0.473	0.04
54	RIC	1850	23:07	21	2.044	A VB	592438.	36.706	3.05
55	RIC	1879	23:29	21	2.076	A BV	15991.	0.991	0.08
56	RIC	1891	23:38	21	2.090	A VB	595773.	36.913	3.07
57	RIC	2008	25:06	21	2.219	A BV	508526.	31.507	2.62
58	RIC	2069	25:52	21	2.286	A BB	12569.	0.779	0.06
59	RIC	2069	25:52	21	2.286	A BB	9049.	0.561	0.05
60	RIC	2126	26:34	21	2.349	A BV	234859.	14.551	1.21
61	RIC	2132	26:39	21	2.356	A VB	437220.	27.089	2.25
62	RIC	2297	28:43	21	2.508	A BB	641416.	39.741	3.30
63	RIC	2397	29:58	21	2.649	A BB	245756.	15.227	1.27
64	RIC	2464	30:48	21	2.723	A BB	15730.	0.975	0.08

ORIGINAL

(red)

AR102030

C 463

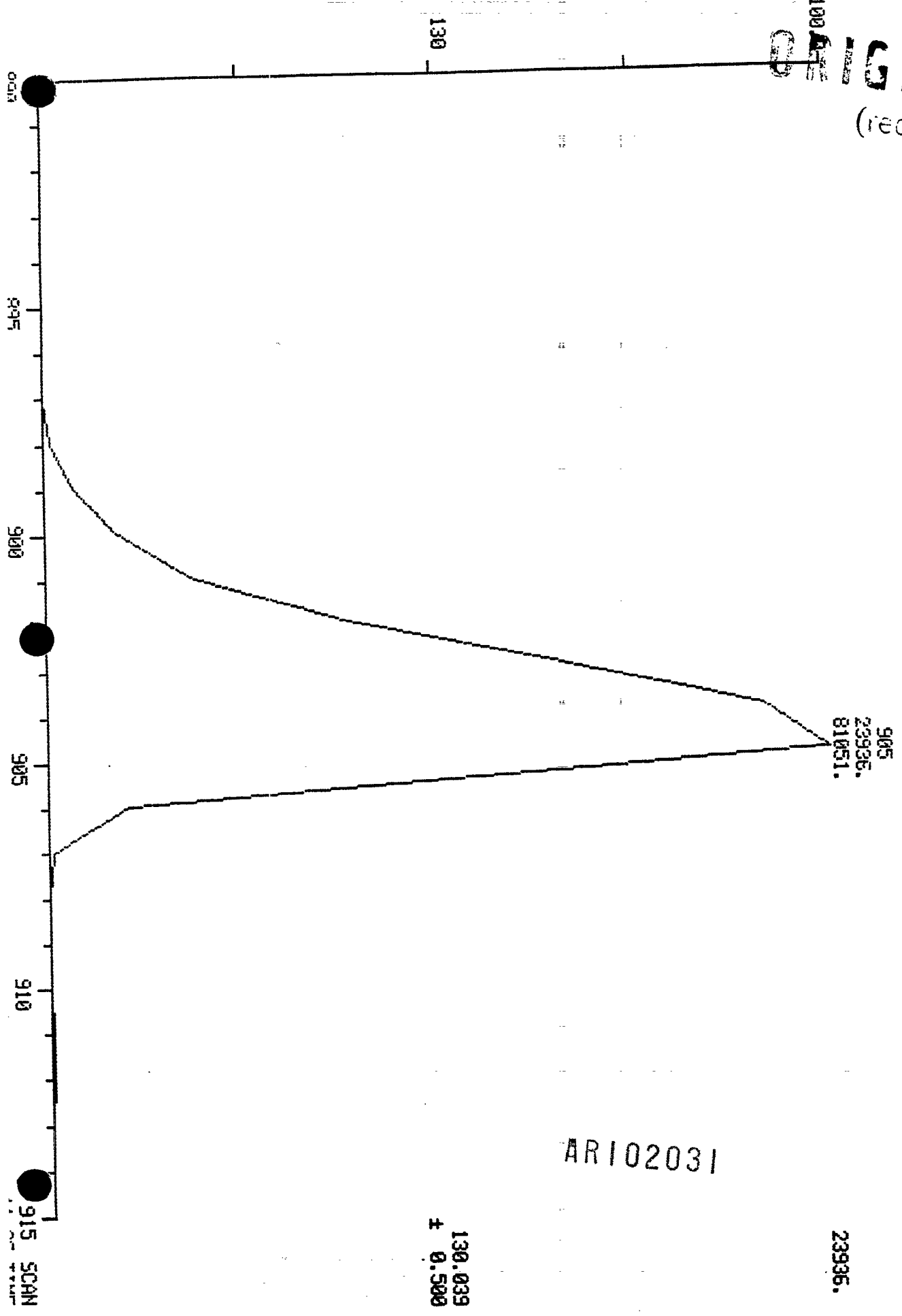
100
ORIGINAL

(red)

MASS CHROMATOGRAM
01/14/83 14:23:00
SAMPLE: 1 UL 23961 FSOC MED. LEVEL

MEAD COMPUTHER
DATA: GH023961R14

SCANS 890 TO 915



AR102031

C464

1630-0
1635-0
1640-0
1645-0
1650-0

(red)

MASS CHROMATOGRAM
01/14/83 14:23:00
SAMPLE: 1 UL 23961 F5CC MED. LEVEL

MEAD COMPUTHERM

DATA: CH023961A14

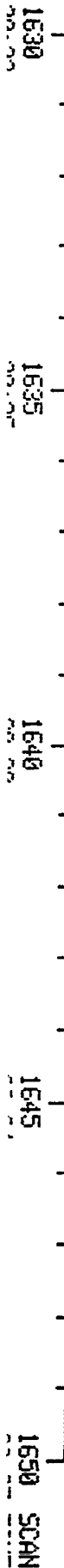
SCANS 1630 TO 1650

1641
73980.
215548.

73984.

AR102032

178.053
± 0.500

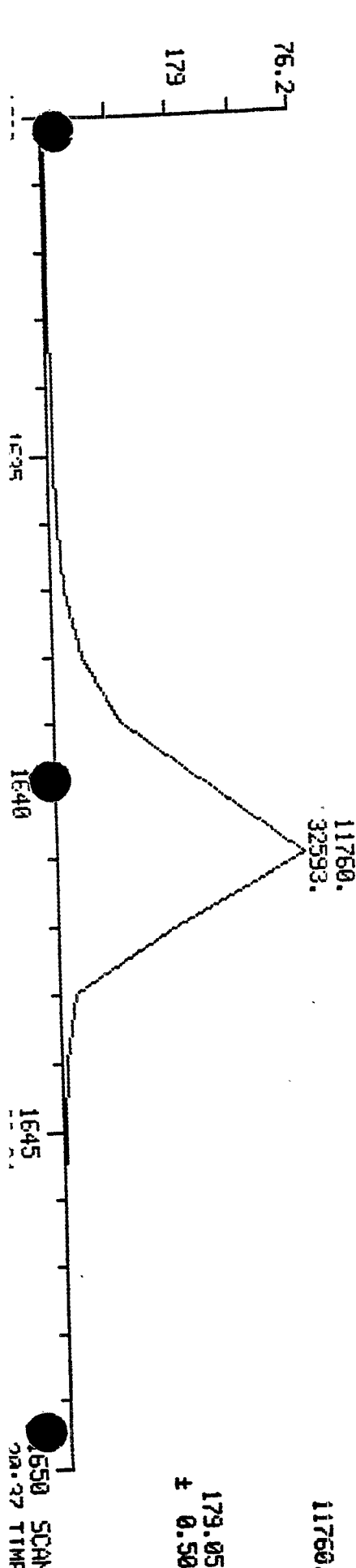
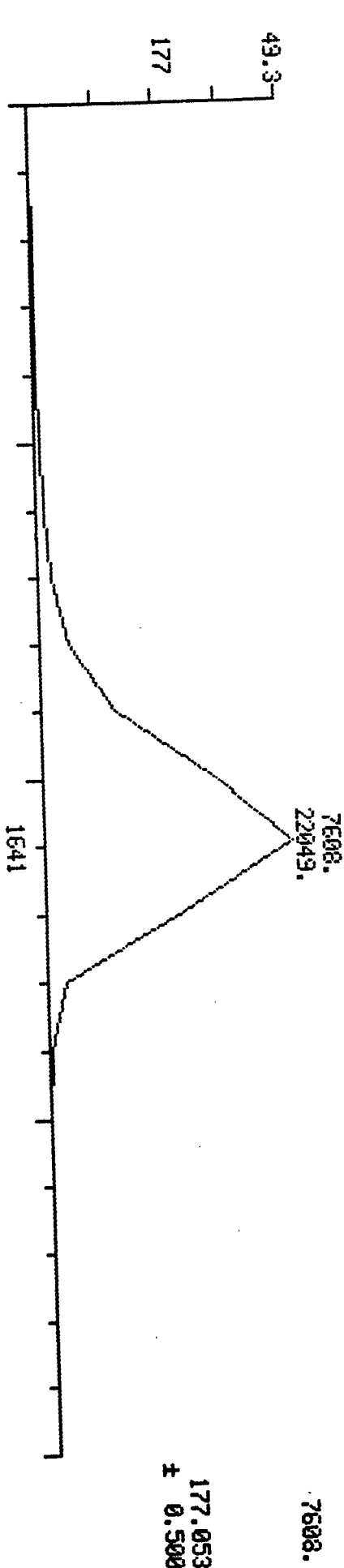
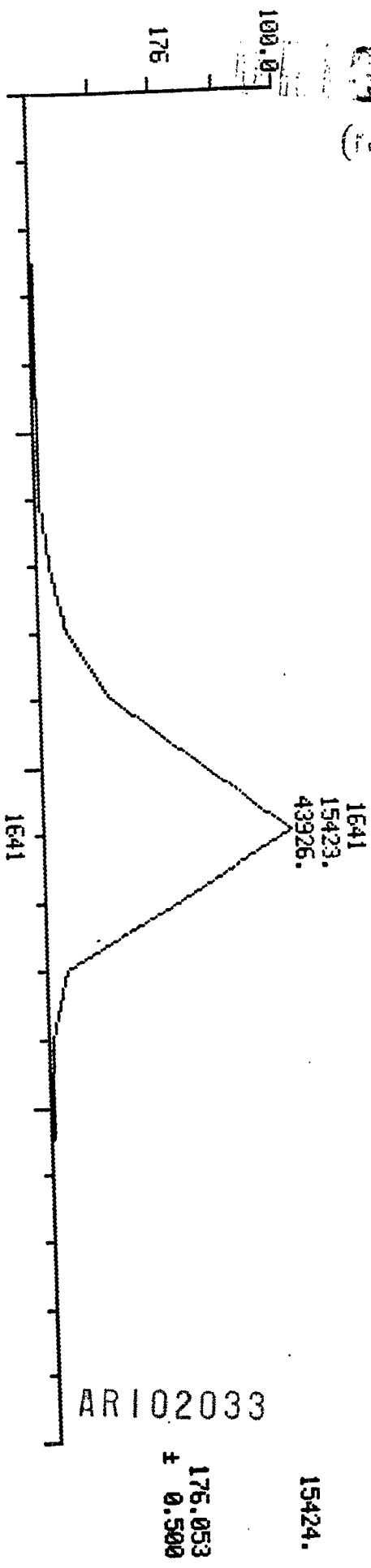


C465

MASS CHROMATOGRAMS
01/14/83 14:23:00
SAMPLE: 1 UL 23961 F50C MED. LEVEL

MEAD COMPUTHEN DATA: GH023961A14

SCANS 1630 TO 1650



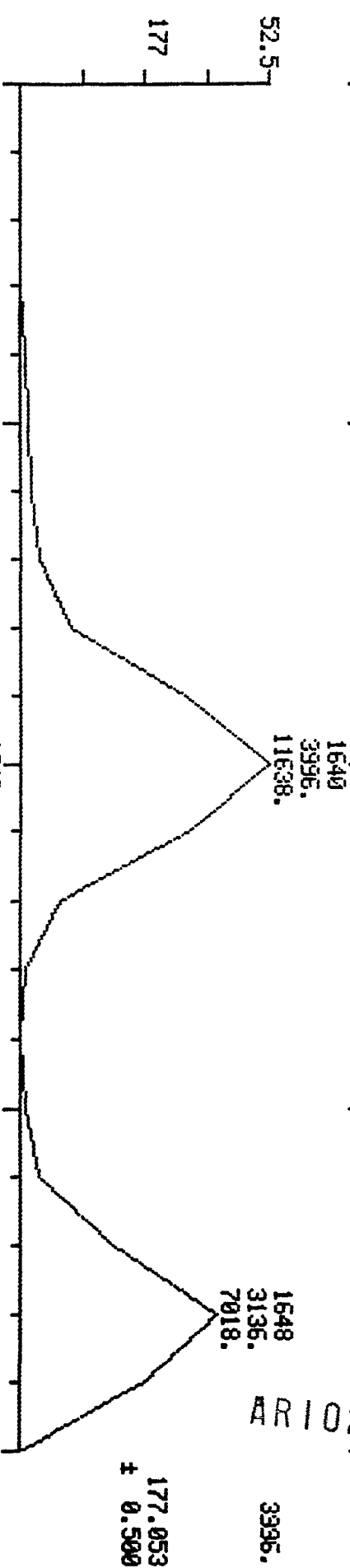
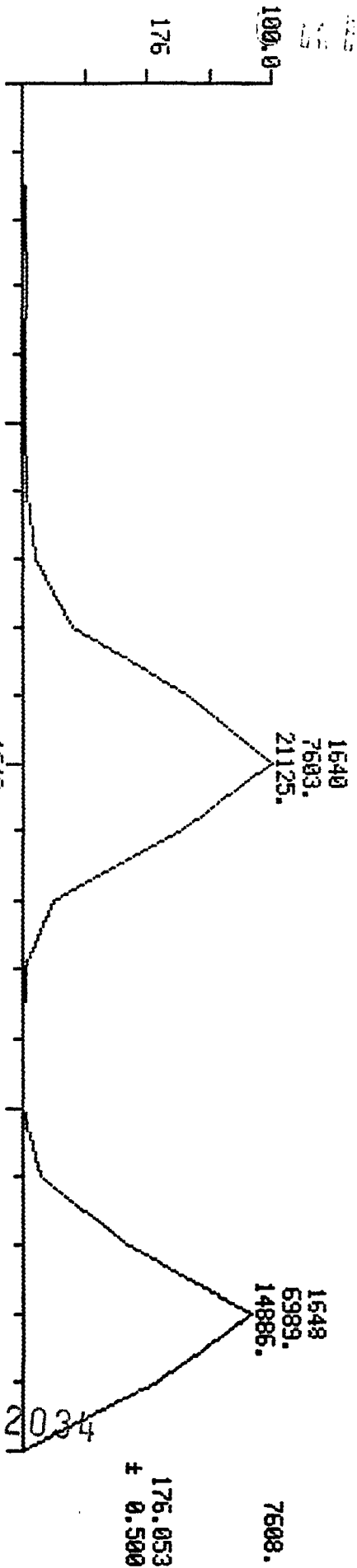
1650 SCAN
01.27 TIME

C 466

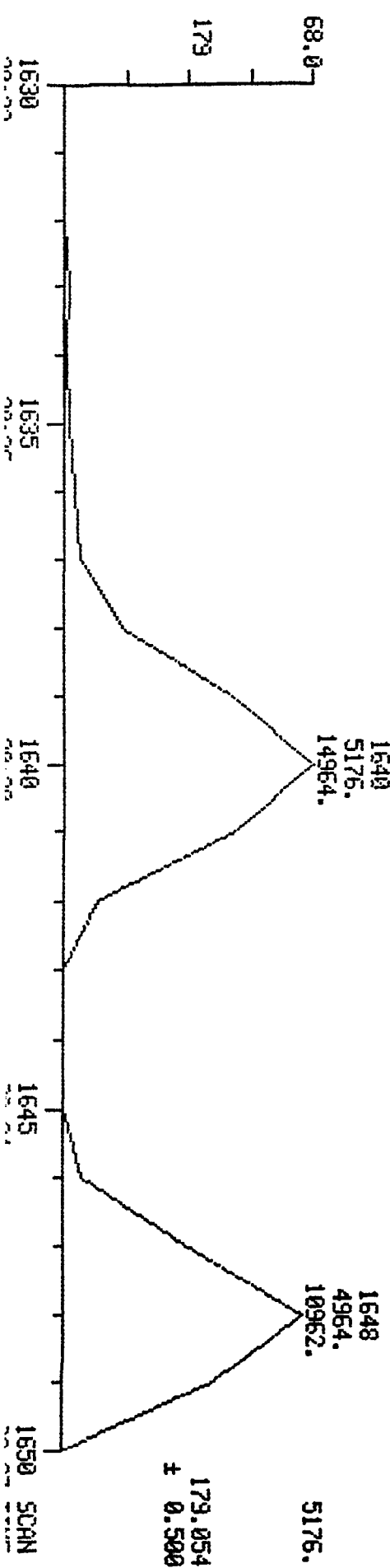
(red)

MASS CHROMATOGRAMS
01/14/83 10:03:00
SAMPLE: 1 UL F50C STD. # 7077(2337) EXP. 1.19.83

MEAD COMPUTHER DATA: H0330114A14 SCANS 1630 TO 1650



AR102034



C 467

ORIGINAL

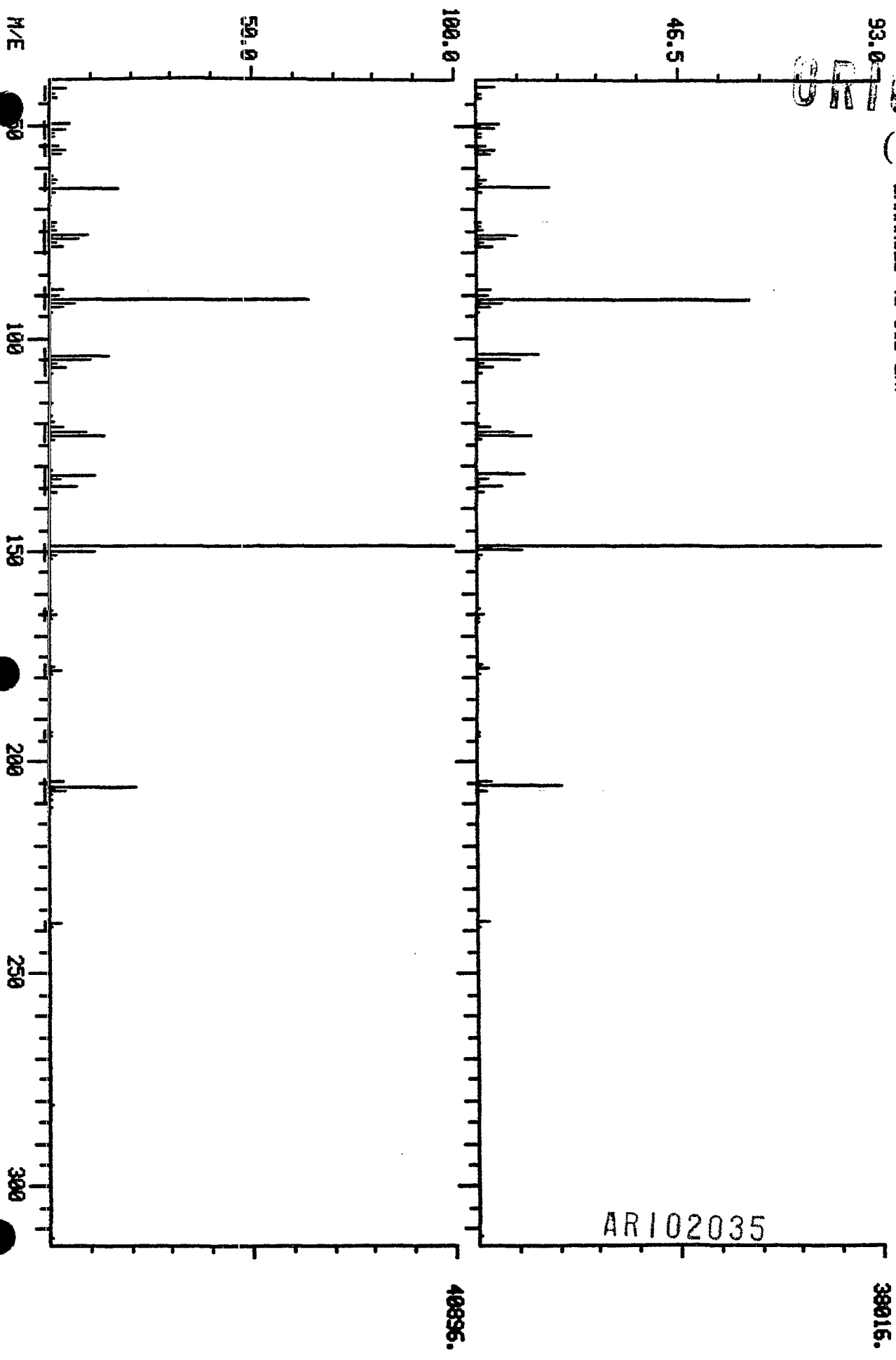
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 25:05
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

MEAD COMPUTEM

DATA: GH023961A14 #2007 BASE M/E: 149/ 149
RIC: 153087./ 162559.

Ø415



AR102035

39015.

40895.

C 468

ORIGINAL

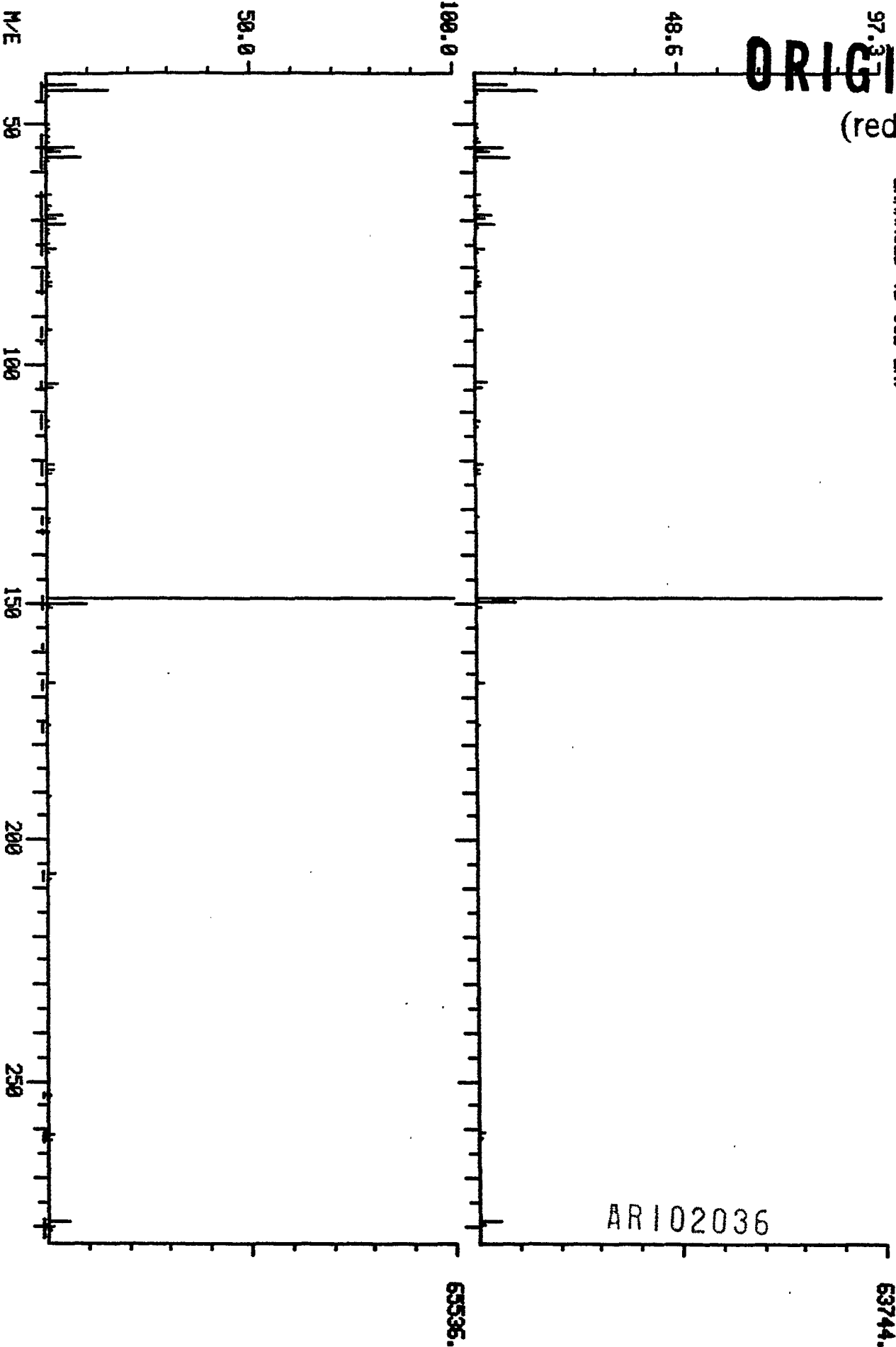
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 28:43
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTED

DATA: GH023961A14 #2297 BASE M/E: 149/ 149
RIC: 128767./ 135423.

0129



AR102036

C 469

ORIGINAL

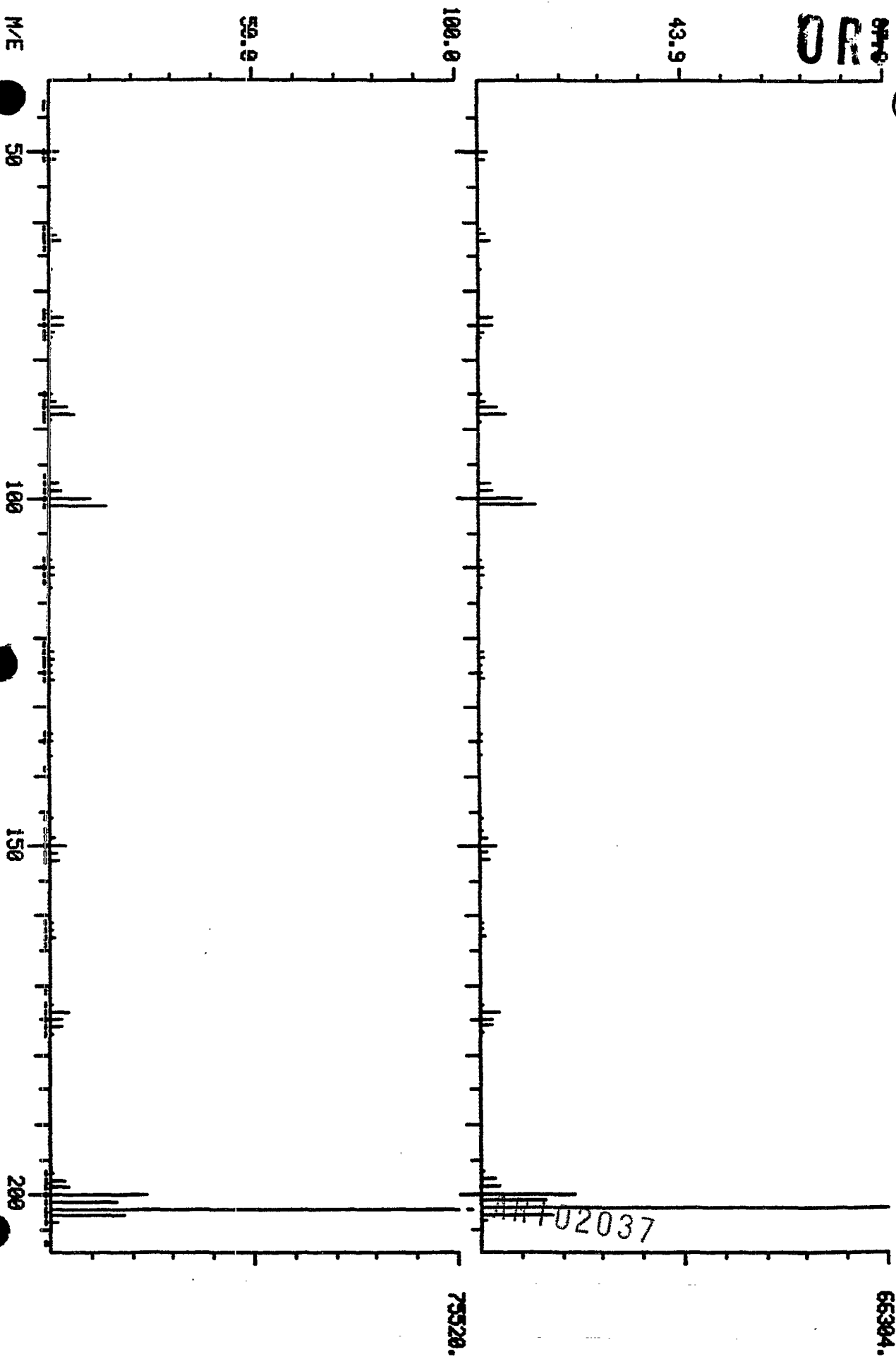
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 23:07
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

HEAD COMPUTER

DATA: CH023961A14 #1850 BASE M/E: 202/ 202
RIC: 174847./ 198399.

0431



C 470

ORIGINAL

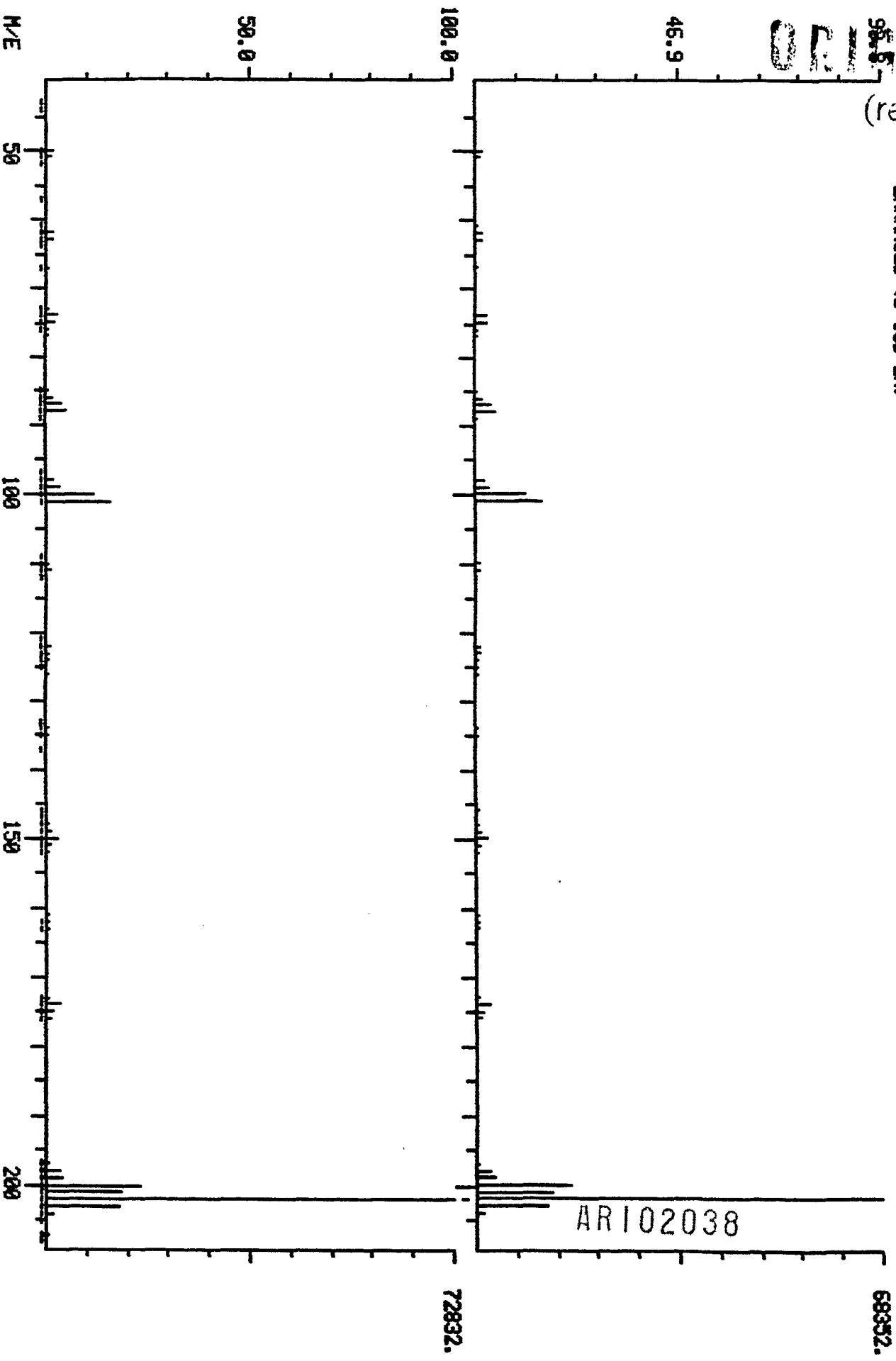
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 23:38
SAMPLE: 1 UL 23951 FSCC MED. LEVEL
ENHANCED (5 158 2N)

HEAD COMPUTER

DATA: GH023951A14 #1891 BASE M/E: 202 / 202
RIC: 172799. / 182783.

φ495



C 471

ORIGINAL

(red)

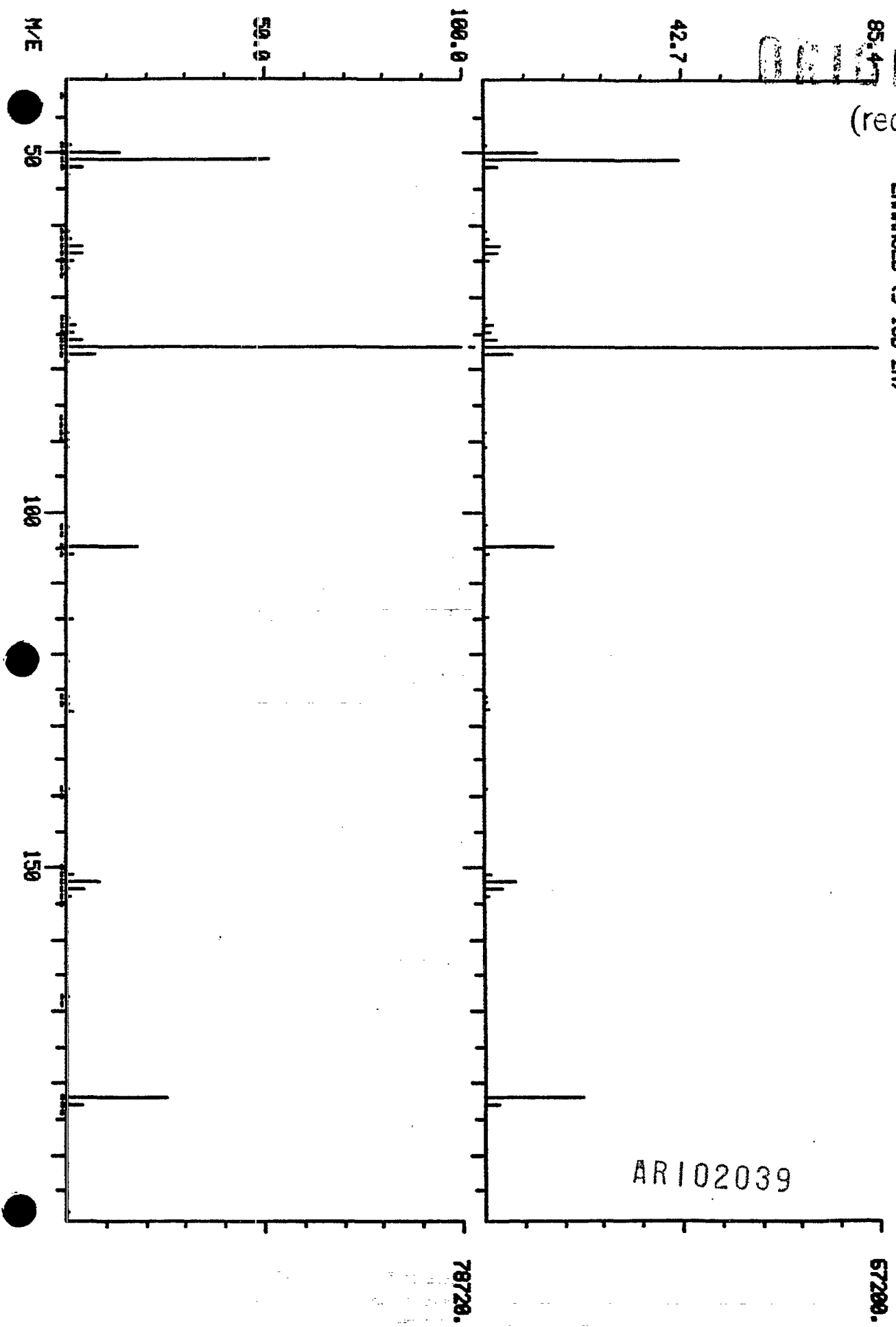
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 18:34
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUCHEM

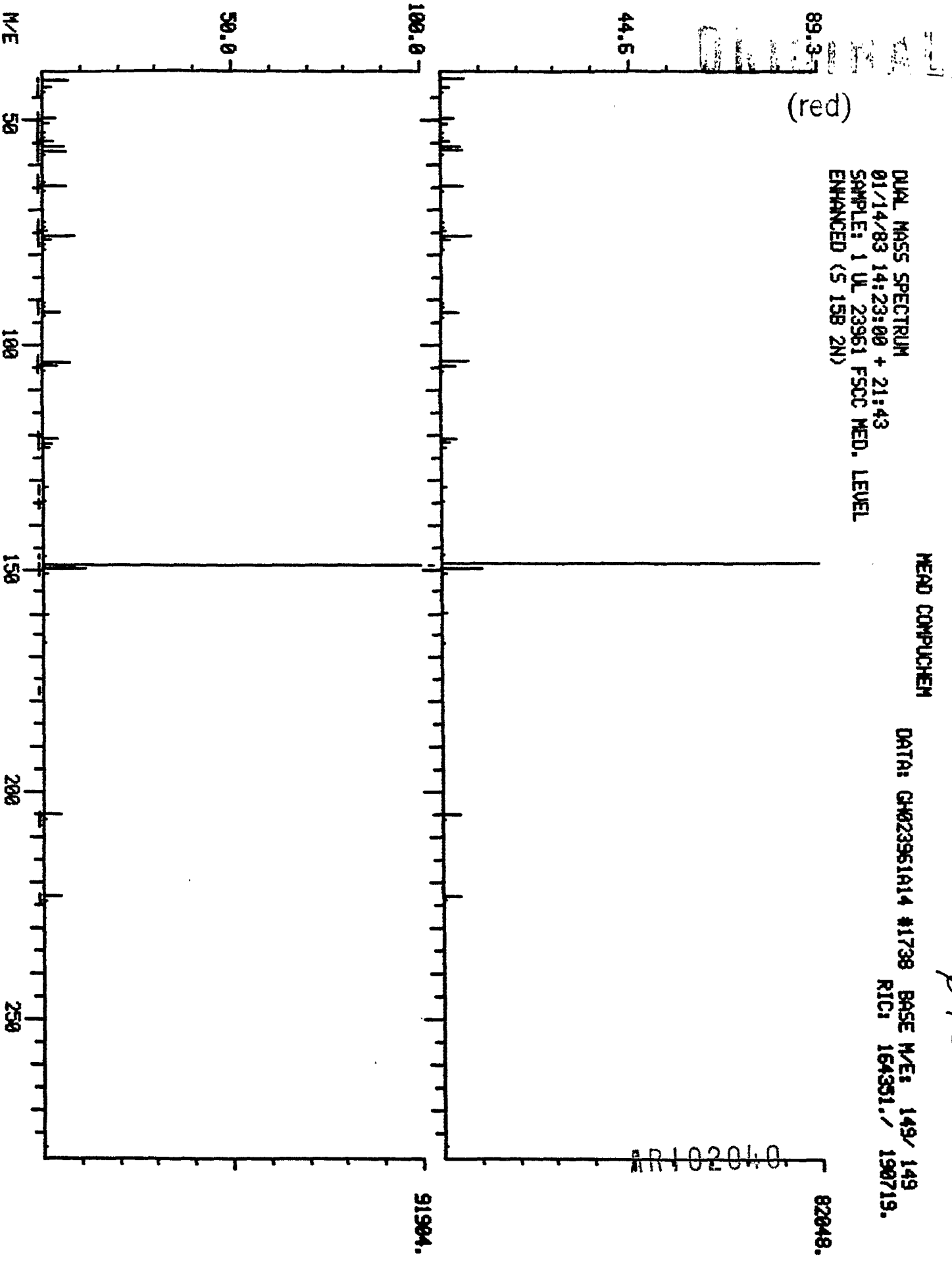
DATA: CH023961A14 #1485 BASE M/E: 77/ 77
RIC: 176639. / 215295.

0430

AR102039



C 472



(red)

DUAL MASS SPECTRUM
 01/14/83 14:23:00 + 21:43
 SAMPLE: 1 UL 23961 FSCC MED. LEVEL
 ENHANCED (5 158 2N)

HEAD COMPUTER

DATA: CH023961A14 #1738 BASE M/E: 149/ 149
 RIC: 164351./ 190719.

0426

82048.

91904.

AR102040

C 473

(red)

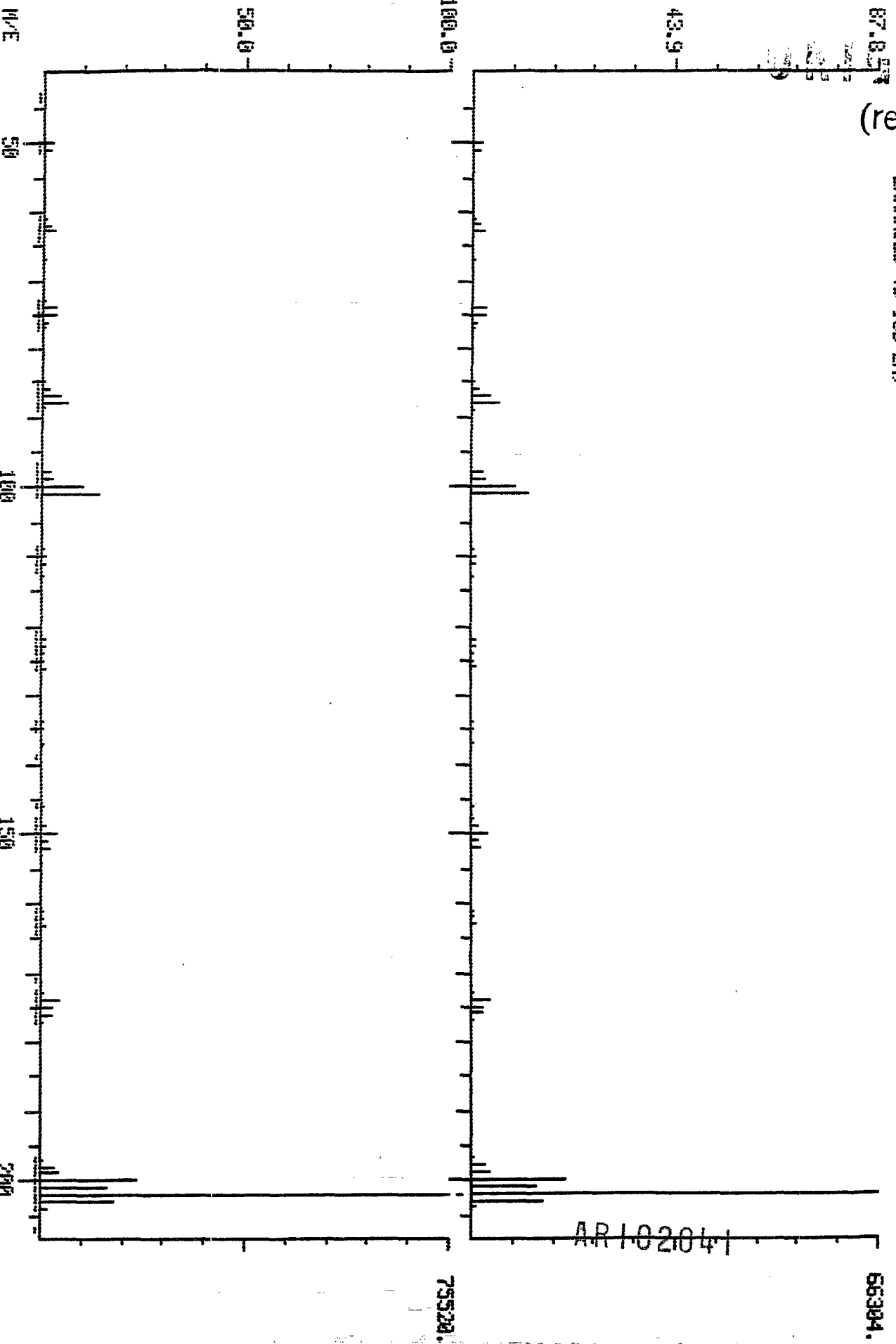
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 23:07
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTER

DATA: GH023961A14 #1850 BASE M/E: 202/ 202

RIC: 174847. / 196399.

0431



AR 10204

66304.

75520.

C 474

ORIGINAL

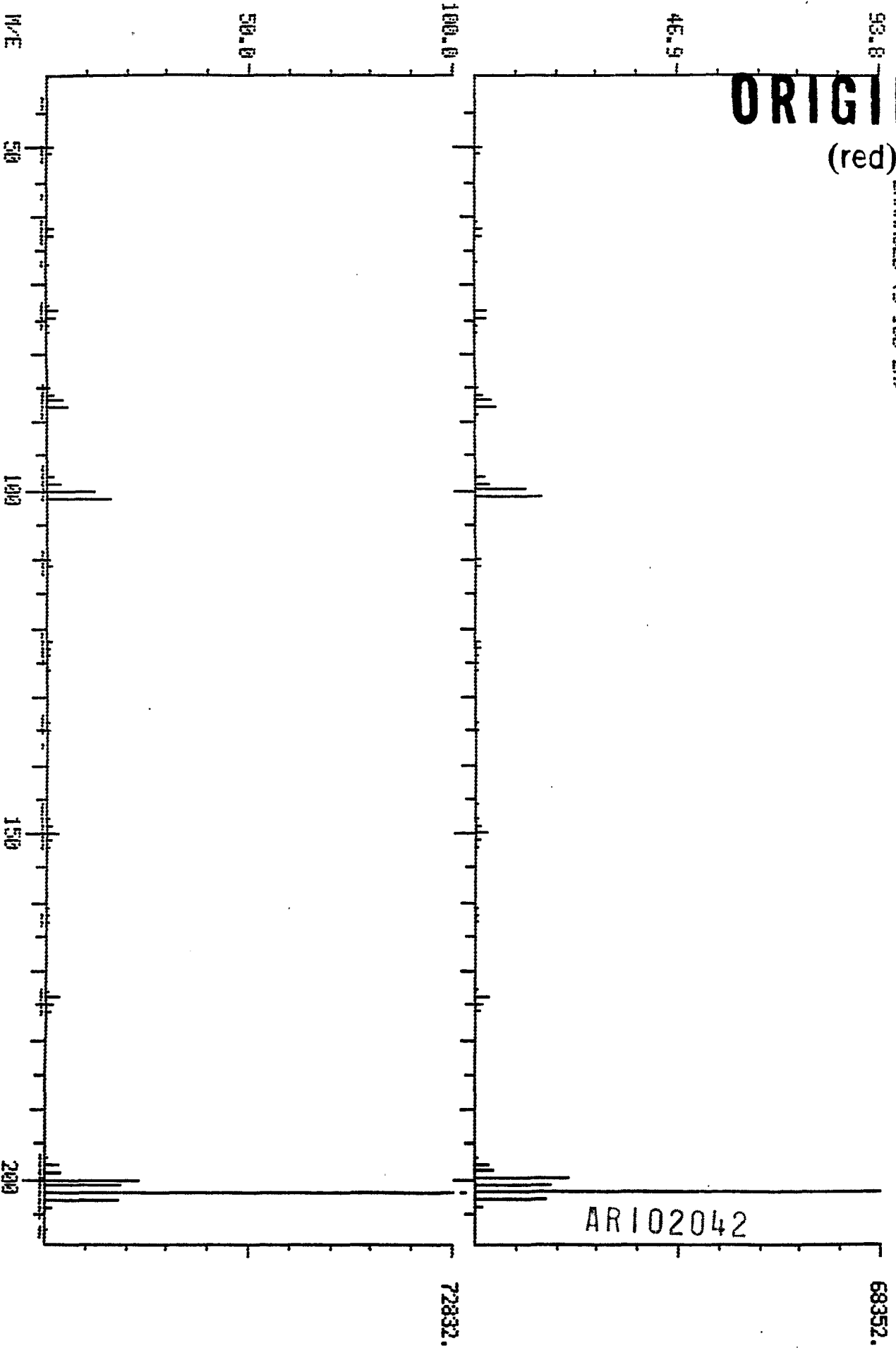
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 23:38
SAMPLE: 1 UL 23961 F5CC MED. LEVEL
ENHANCED (5 158 2N)

MEMO COMPUTEM

DATA: GH023961A14 #1891 BASE M/E: 202/ 202
RIC: 172799.7 182783.

4945



ORIGINAL

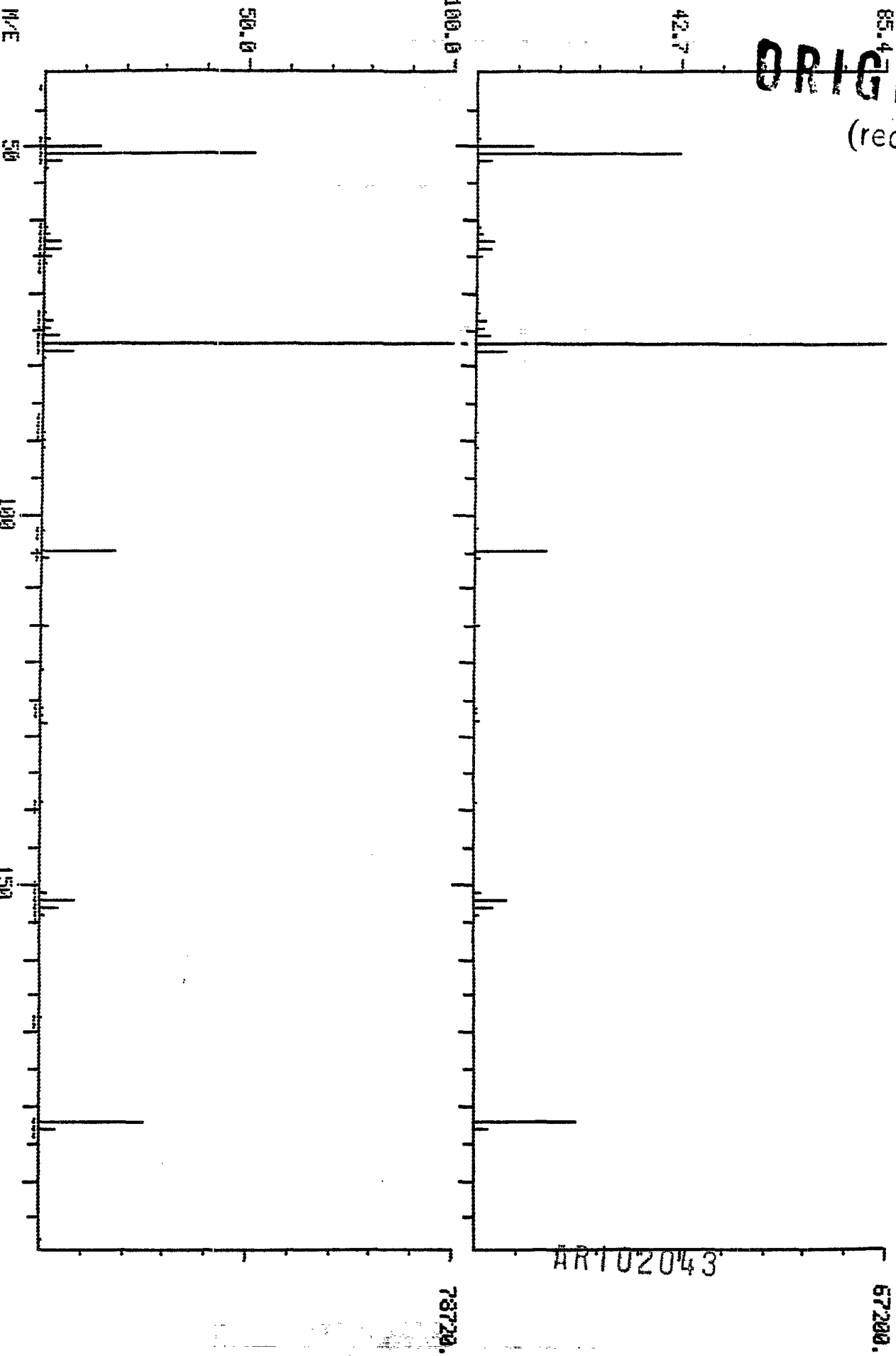
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 18:34
SAMPLE: 1 UL 23961 F500 MED. LEVEL
ENHANCED (S 158 2N)

HEAD COMPUTED

0432

DATA: 01023961A14 #1486 BASE M/E: 77/ 77
R1: 176639. / 215295.



0432

ORIGINAL

(red)

MASS CHROMATOGRAM
01/14/83 14:23:00
SAMPLE: 1 UL 23961 F50C MED. LEVEL

MEMO COMPUTER

DATA: 01023961A14

SCANS 1999 TO 2019

2007
48704.
123372.

48704.

AR102044

149.045
± 0.500

C 476

149

100.0

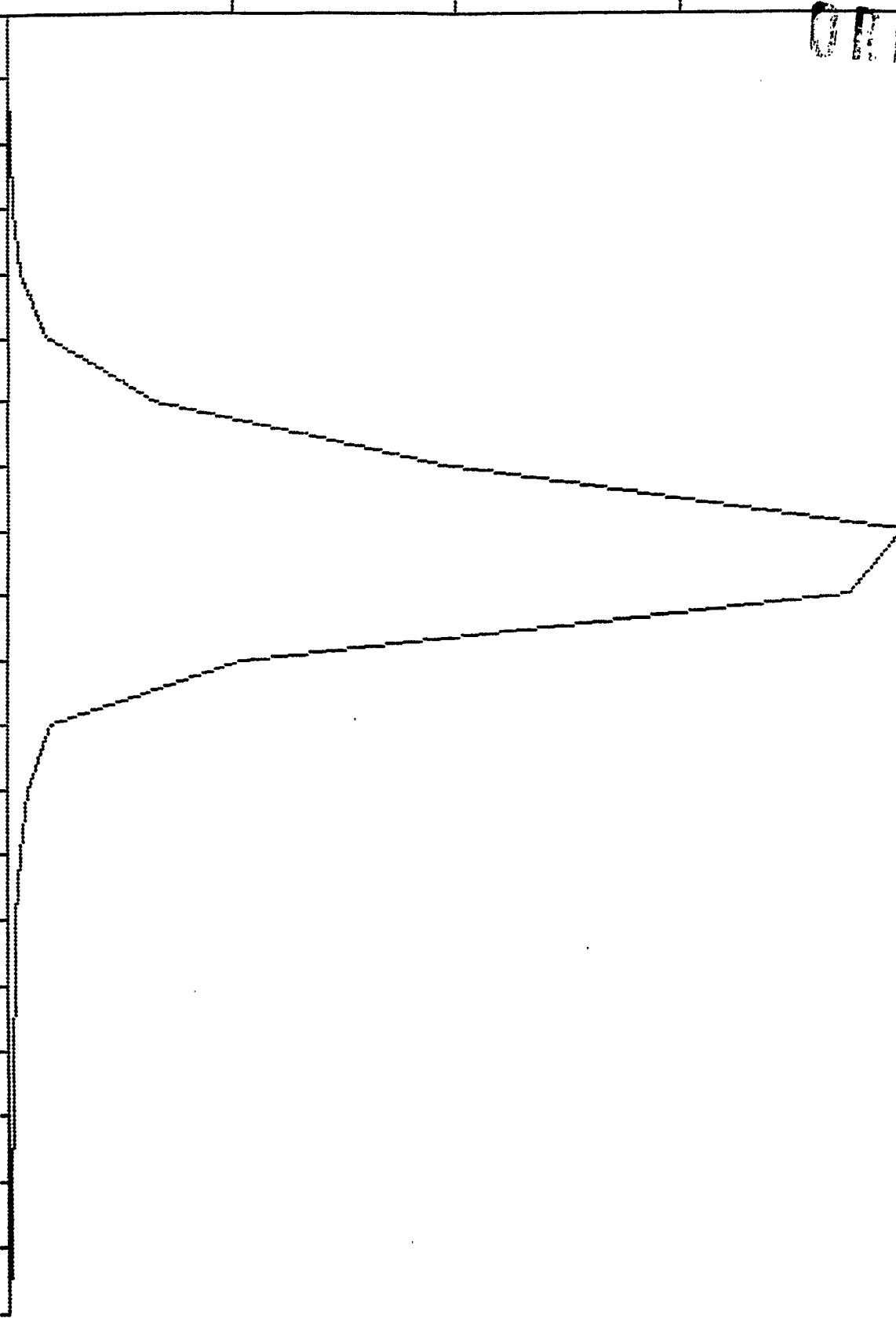
2000
25:00

2005
25:04

2010
25:07

2015
25:11

SCAN
TIME



C-477

01/14/83 14:28:00

(red)

MASS CHROMATOGRAM
01/14/83 14:28:00
SAMPLE: 1 UL 23961 FSCC MED. LEVEL

HEAD COMPUTER

DATA: GH023961A14

SCANS 2285 TO 2310

100.0

149

2297
65122.
313853.

65216.

149.045
± 0.500

AR102045

2285
28:34

2290
28:37

2295
28:41

2300
28:45

2305
28:49

2310
28:52 TIME

SCAN

MEAD COMPUTER

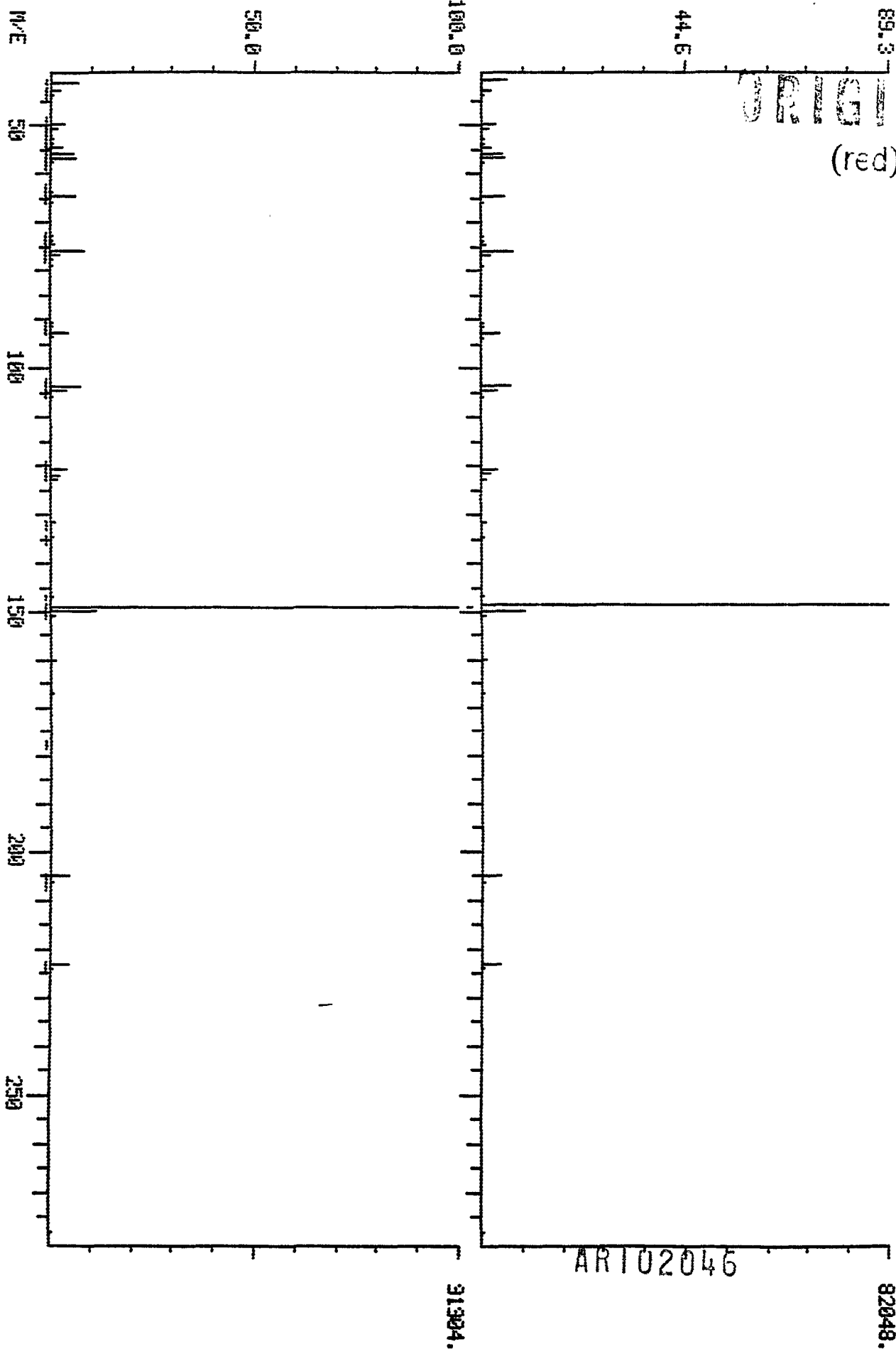
DUAL MASS SPECTRUM
01/14/83 14:23:00 + 21:43
SAMPLE: 1 UL 23961 F500 MED. LEVEL
ENHANCED (5 158 2N)

DATA: GH023961A14 #1738 BASE M/E: 149/149
M/C: 164351./ 190719.

8426

ORIGINAL

(red)



AR102046

C. Y. 18

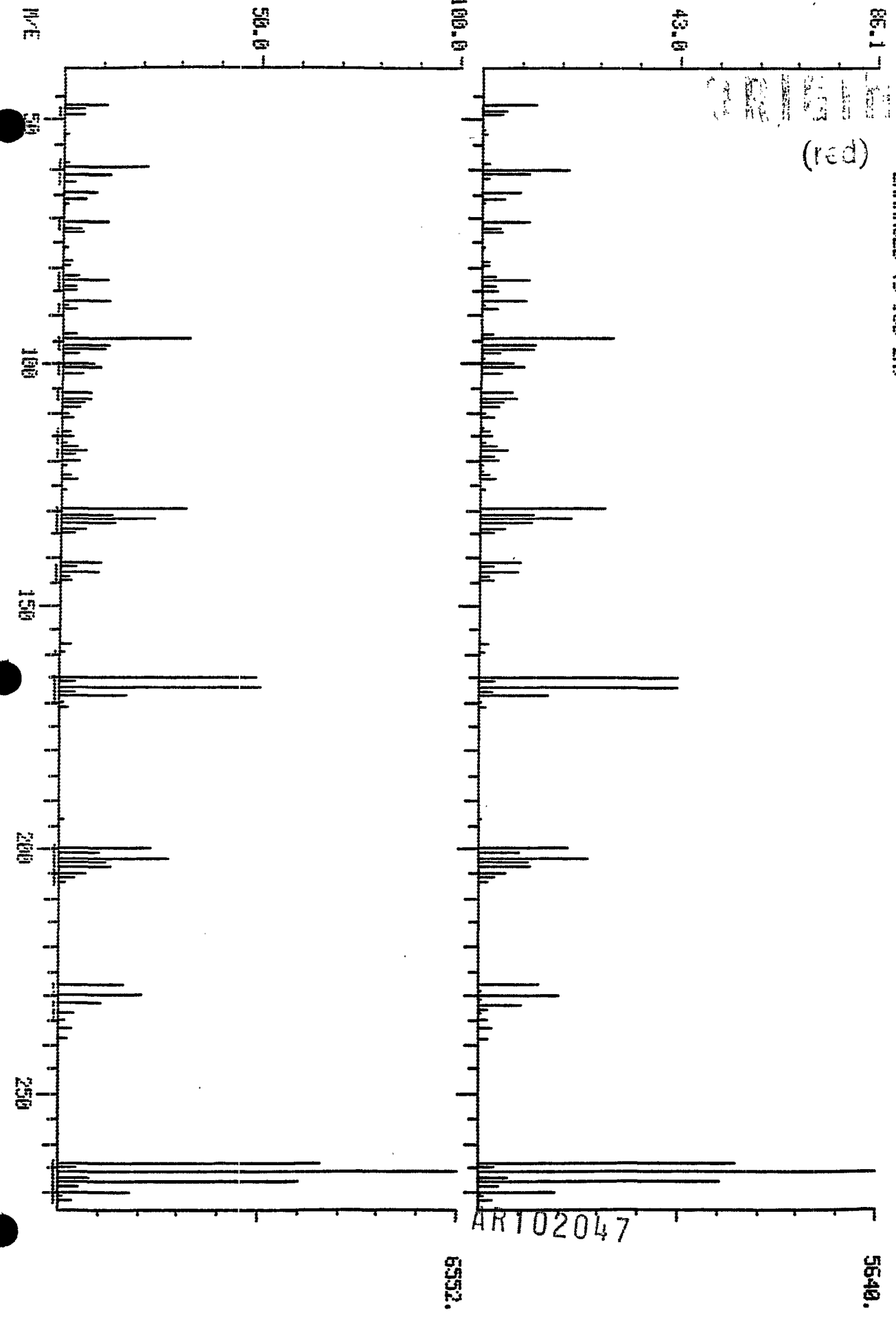
0609

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 20:03
SAMPLE: 1 UL 23961 F5CC MED. LEVEL
ENHANCED (5 150 2N)

MEAD COMPUTHER

DATA: GH023961A14 #1504 BASE M/E: 266/ 266
RIC: 54911./ 62911.

ART102047
(red)



ORIGINAL

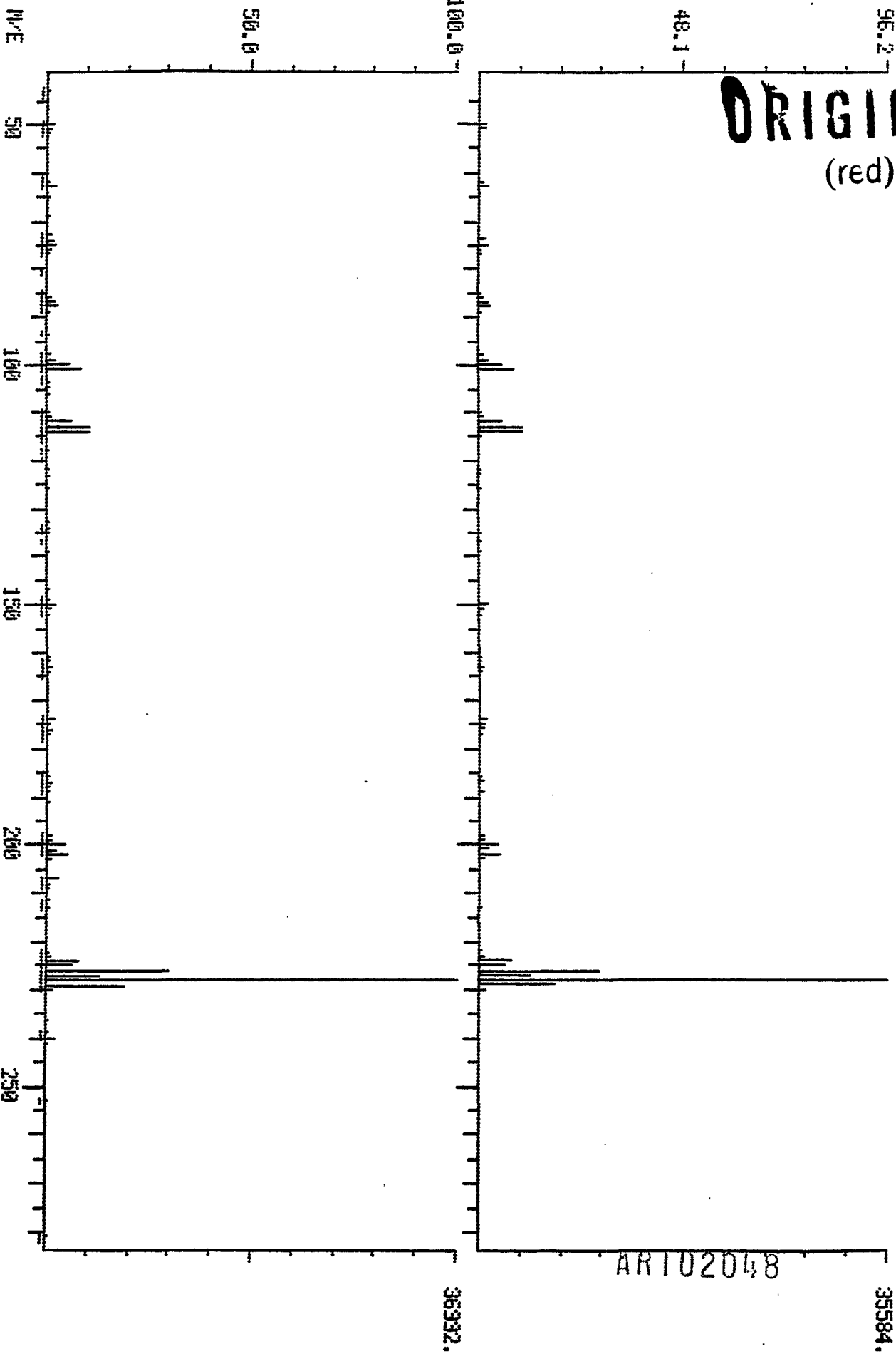
(red)

DUAL MASS SPECTRUM
01/14/83 14:23:00 + 26:39
SAMPLE: 1 UL 23961 FSCC MED. LEVEL
ENHANCED (5 158 2N)

HEAD COMPUCHEM

DATA: CH023961A14 #2132 BASE M/E: 228/228
RIC: 99159.7 106267.

0418



MEDIUM LEVEL SOLID

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
 Lab Sample ID No. Blank 25786
 Associated Samples 24094

Case Number 1439
 QC Report No. 2984

ORIGINAL

Multiply all Values and Detection Limits by 1 or 10 or
 (Check Box for Appropriate Factor)

(red)

ACID COMPOUNDS

PP#	CAS#		ug/g
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U

(Non-Priority Pollutant Hazardous Substances)

65-85-0	benzoic acid	100U
95-48-7	2-methylphenol	10U
108-39-4	4-methylphenol	10U
95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
		1,2-diphenylhydrazine	
(37B)	122-66-7	(as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/g
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11-91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

62-53-3	aniline	10U
100-51-6	benzyl alcohol	20U
106-47-8	4-chloroaniline	50U
132-64-9	dibenzofuran	10U
91-57-6	2-methylnaphthalene	20U
88-74-4	2-nitroaniline	100U
99-09-2	3-nitroaniline	100U
100-01-6	4-nitroaniline	100U

AR102049

C 482

ORGANICS ANALYSIS DATA SHEET - Page 3

Lab Name: Mead CompuChem

Lab Sample I.D. No. 25786
Blank

ORIGINAL
(red)

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only)	
			Spike Added (ug/g)	% Recovery
2-Fluorophenol	SEMIVOA	72	100	72
Pentafluorophenol	SEMIVOA	21	100	21
D6-Phenol	SEMIVOA		100	
D5-Nitrobenzene	SEMIVOA	71	100	71
* Decafluorobiphenyl	SEMIVOA	83	100	83
2-Fluorobiphenyl	SEMIVOA	78	100	78
* 2-Fluoroaniline	SEMIVOA	70	100	70
* TRIAL Surrogates				

AR102050

C 483

HEAD COMPONENT ORGANICS ANALYSIS DATA SHEET

LAB SAMPLE I.D. # 023786

SAMPLE # _____

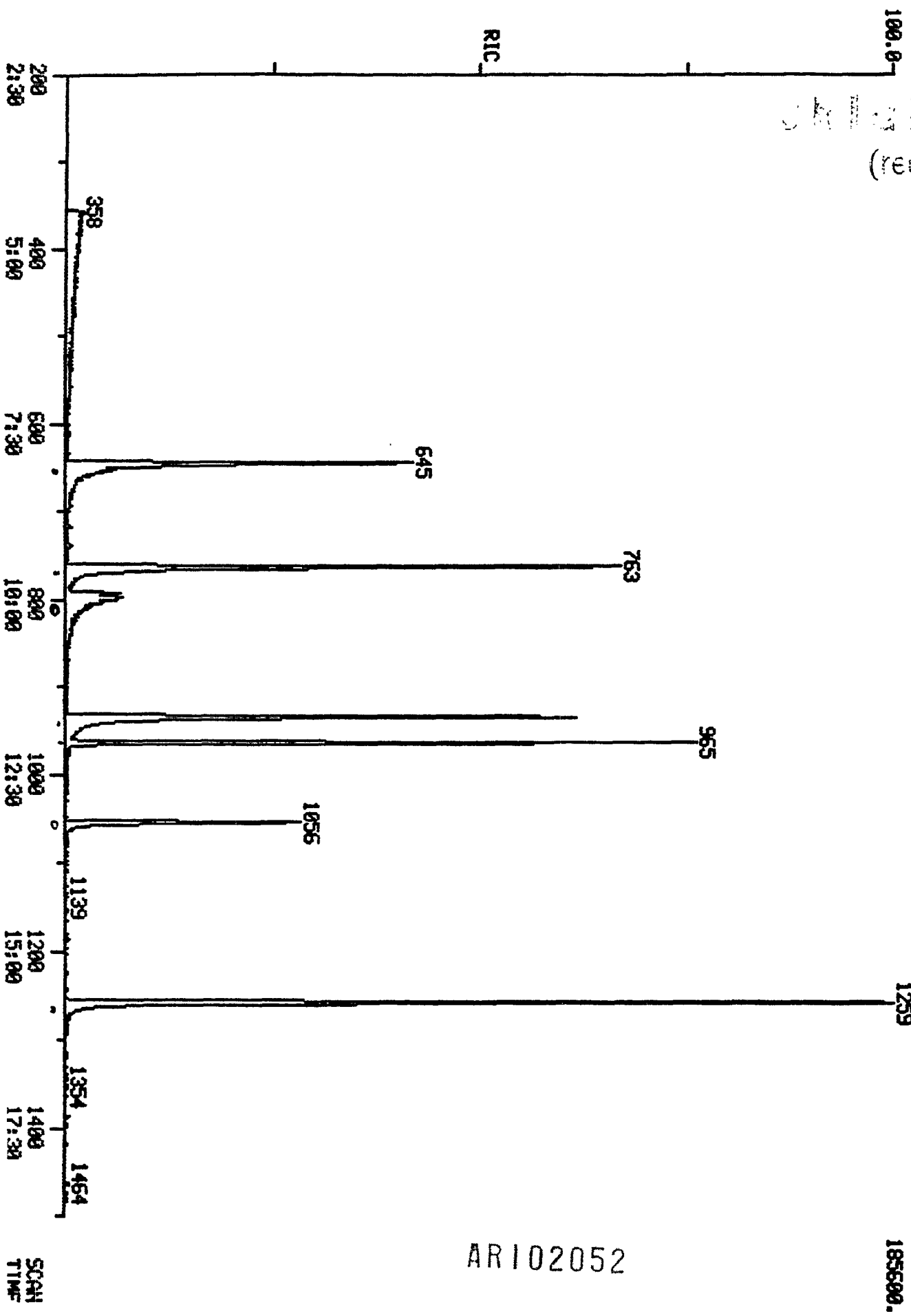
(red)

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION, FSC06

ITEM	SCAN NUMBER	CAS #	COMPOUND NAME	PURITY %	ESTIMATED CONC. (UG/G) OR (UG/L)
1	1704	17851-53-5	1,2-BENZENEDICARBOXYLIC ACID, BUTYL 2-METHYLPROPYLESTER	87.6	2.9 ^{sc}
2	1776	-	SEARCH RESULTS < 80% PURITY	-	1.3
3	2073	-	SEARCH RESULTS < 80% PURITY	-	1.6
4	2354	-	SEARCH RESULTS < 80% PURITY	-	2.2
5	2570	-	SEARCH RESULTS < 80% PURITY	-	2.0
6	2855	-	SEARCH RESULTS < 80% PURITY	-	1.5
					1.000

AR102051

C 484



RIC
 01/27/83 20:20:00
 SAMPLE: 1.0 UL FSCC SAMPLE 25786

HEAD COMPUTED
 DATA: G:\025786B15
 SCANS 200 TO 1500

Chromatogram
 (red)

AR102052

185600.

C 485

RIC
01/27/83 20:20:00
SAMPLE: 1.0 UL FSCC SAMPLE 25785

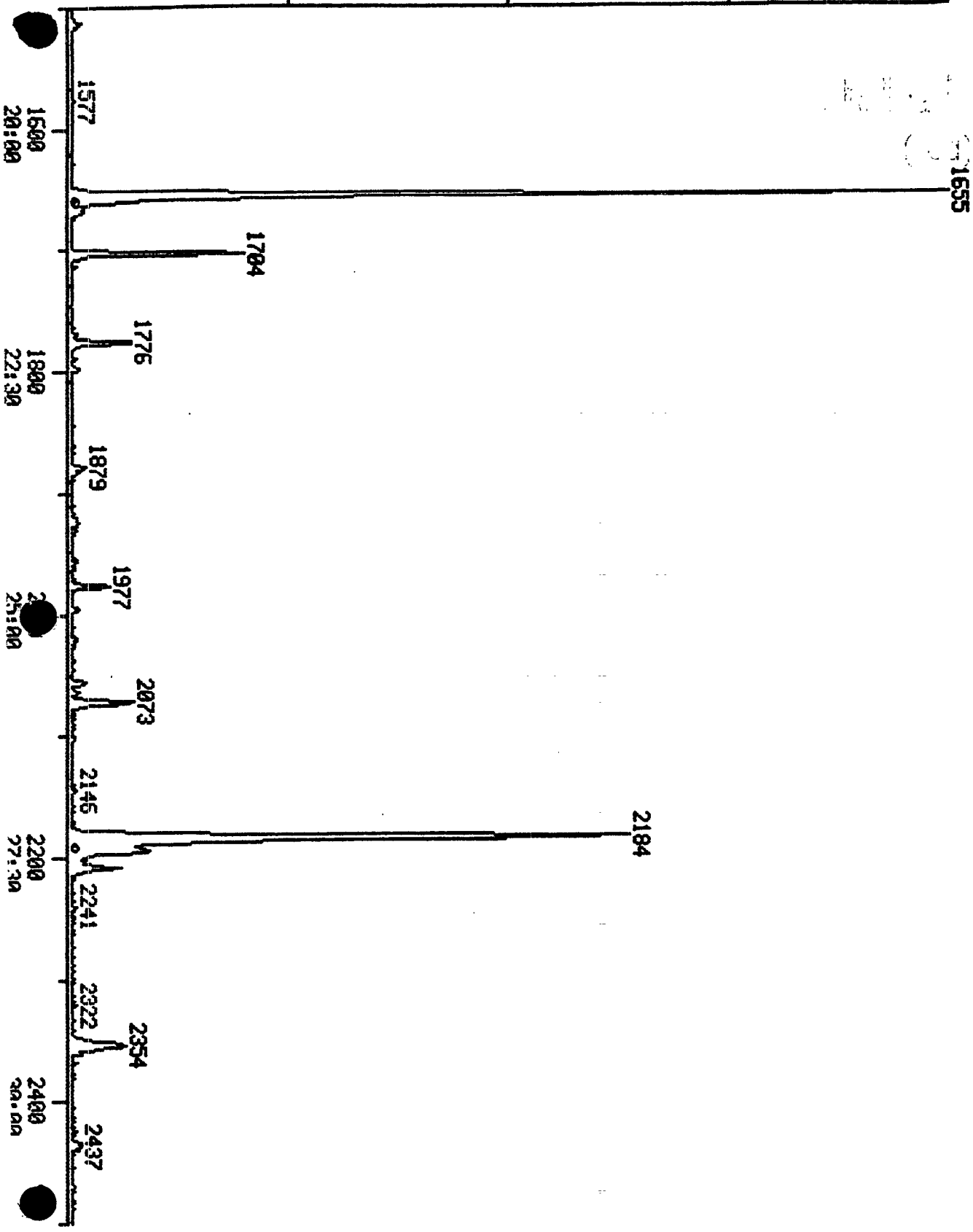
HEAD COMPUTER

DATA: GR025785815

SCANS 1500 TO 2500

100.0

RIC



36160.

ARI02053

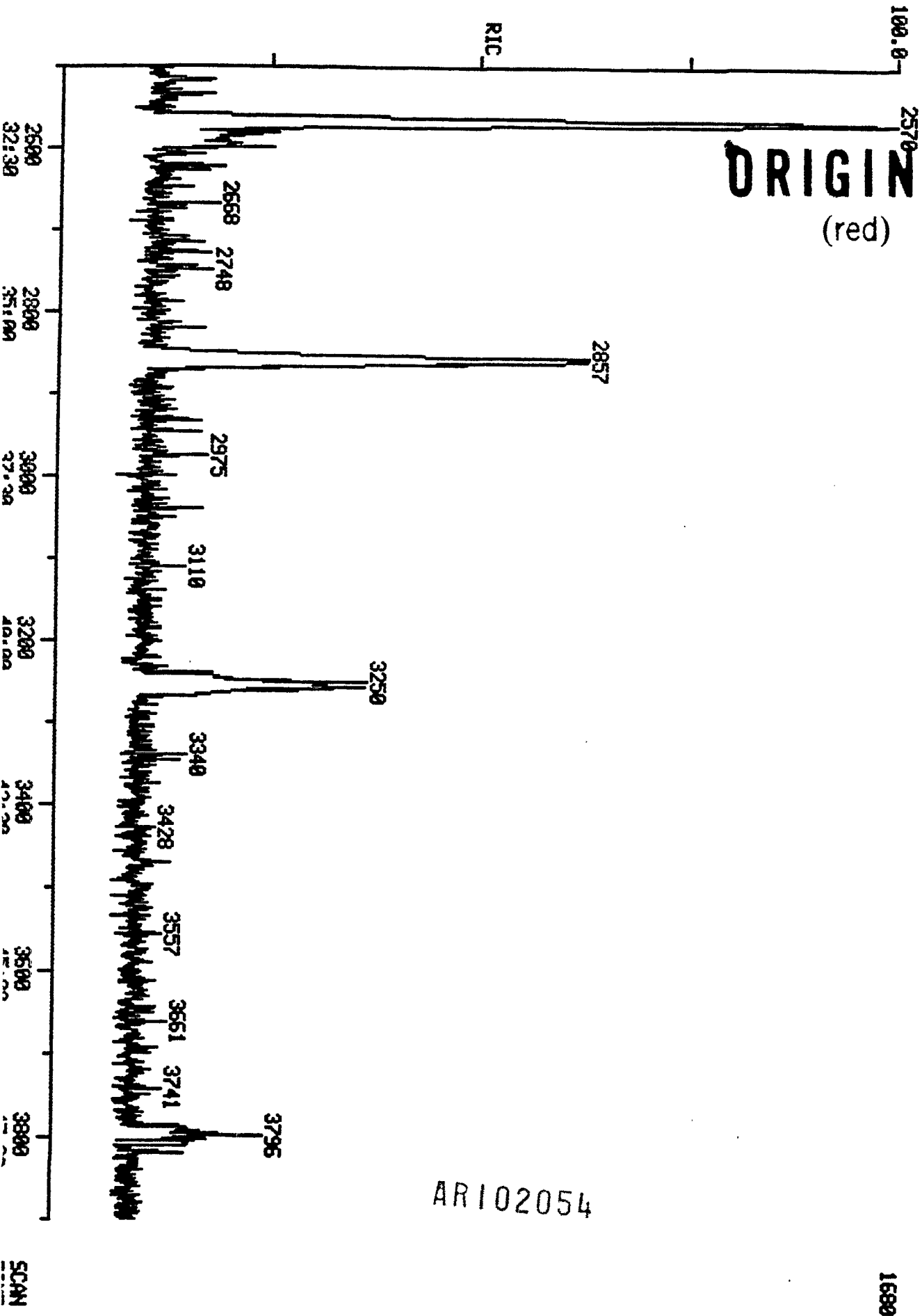
SCAN TIME

C486

RIC
1/27/83 20:20:00
SAMPLE: 1.0 UL FSCC SAMPLE 25786

HEAD COMPUTER
DATA: GH025786B15
SCANS 2500 TO 3900

ORIGINAL
(red)



AR102054

C 489

QUANTITATION REPORT FILE: EXTRA

DATA: CH025786B15.TI
01/27/83 20:20:00
SAMPLE: 1.0 UL FSCC SAMPLE 25786
SUBMITTED BY: OWA#15 ANALYST: 602

ORIGINAL

(red)

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)
RESP. FAC. FROM LIBRARY ENTRY

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	RIC	358	4:28	10	0.284	A BV	47908.	7.278	1.44
2	RIC	374	4:40	10	0.297	A VB	35964.	5.463	1.08
3	RIC	645	8:04	10	0.512	A BB	380736.	57.836	11.45
4	RIC	763	9:32	10	0.606	A BV	481126.	73.086	14.46
5	RIC	798	9:58	10	0.634	A BB	152052.	23.098	4.57
6	RIC	935	11:41	10	0.743	A BB	437030.	66.387	13.14
7	RIC	965	12:04	10	0.766	A BB	338775.	51.462	10.19
8	RIC	1056	13:12	10	0.839	A BV	202945.	30.829	6.10
9	RIC	1056	13:12	10	0.839	A BV	204231.	31.024	6.14
10	RIC	1259	15:44	10	1.000	A BB	658302.	100.000	19.79
11	RIC	1655	20:41	10	1.315	A BB	142964.	21.717	4.30
12	RIC	1704	21:18	10	1.353	A BB	20698.	3.144	0.62
13	RIC	1776	22:12	10	1.411	A BB	9219.	1.400	0.28
14	RIC	2073	25:55	10	1.647	A BB	11479.	1.744	0.35
15	RIC	2073	25:55	10	1.647	A BB	11479.	1.744	0.35
16	RIC	2184	27:18	10	1.735	A BV	129489.	19.670	3.89
17	RIC	2194	27:25	10	1.743	A VB	12982.	1.972	0.39
18	RIC	2209	27:37	10	1.755	A BB	7993.	1.214	0.24
19	RIC	2354	29:25	10	1.870	A BB	15837.	2.406	0.48
20	RIC	2570	32:07	10	2.041	A BV	14074.	2.138	0.42
21	RIC	2855	35:41	10	2.268	A BB	10909.	1.657	0.33

AR102055

PROCEDURE: RK
DATA FILE: GH025786B15
REFERENCE: FS66
METHOD: FS66
REPORT: FS66S

DIAGNOSTIC REPORT

1/27/83 21:25:1

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

ORIGINAL

< ---- STANDARDS ---- > < --- PLUS UNKNOWN --- > < - LIST NAMES - >
PROC USED POSS RMS PROC USED POSS RMS STANDARD/UNKNOWN (red)
4 4 2 152 79 14 1 198 FS66S/FS66U

79 COMPOUNDS PROCESSED, 14 FOUND

COMPOUND			SEARCH							SAT		CHRO		
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAK	
1	F1	1	792	793	794	1	2	957	.	97	794	.	.	
2	F2	1	1057	1058	1056	-2	1	997	.	136	1056	.	.	
3	F3	1	1654	1654	1655	1	1	995	.	188	1655	.	.	
4	F4	1	2184	2184	2184	.	1	996	.	240	2184	.	.	
5	F1	2	444	445	.	.	.	.	.	74	.	.	.
6	F1	3	792	792	.	.	.	.	.	94	794	.	.
7	F1	4	-792	792	.	.	.	.	.	93	.	.	.
8	F1	5	802	802	.	.	.	.	.	93	804	.	.
9	F1	6	808	808	.	.	.	.	.	128	.	.	.
10	F1	7	829	829	828	-1	1	957	.	146	828	.	.	
11	F1	8	838	838	839	1	1	964	.	146	838	-1	.	
12	F1	9	869	869	869	.	1	992	.	146	869	.	.	
13	F1	10	865	865	.	.	.	.	.	108	.	.	.
14	F1	11	891	891	.	.	.	.	.	121	.	.	.
15	F1	12	888	888	.	.	.	.	.	108	.	.	.
16	F1	13	920	920	.	.	.	.	.	117	919	.	.
17	F1	14	914	914	.	.	.	.	.	108	.	.	.
18	F1	15	646	646	645	-1	1	985	.	112	645	.	.	
19	F1	16	794	794	800	6	1	983	.	184	800	.	.	
20	F1	17	935	935	935	.	1	991	.	82	935	.	.	
21	F1	18	966	966	965	-1	1	990	.	334	965	.	.	
22	F1	19	764	764	763	-1	1	997	.	111	763	.	.	
23	F1	20	1259	1259	1258	-1	1	1000	.	172	1258	.	.	
24	F2	2	916	916	.	.	.	.	.	130	.	.	.
25	F2	3	938	938	.	.	.	.	.	123	.	.	.
26	F2	4	979	979	.	.	.	.	.	82	.	.	.
27	F2	5	994	994	.	.	.	.	.	139	.	.	.
28	F2	6	1004	1004	.	.	.	.	.	122	.	.	.
29	F2	7	1021	1021	.	.	.	.	.	93	.	.	.
30	F2	8	1037	1037	.	.	.	.	.	162	.	.	.
31	F2	9	1050	1050	.	.	.	.	.	180	.	.	.
32	F2	10	1079	1079	.	.	.	.	.	127	.	.	.
33	F2	11	1038	1038	.	.	.	.	.	105	.	.	.
34	F2	12	1093	1093	.	.	.	.	.	225	.	.	.
35	F2	13	1167	1167	.	.	.	.	.	107	.	.	.
36	F2	14	1186	1186	.	.	.	.	.	115	.	.	.
37	F2	15	1227	1227	.	.	.	.	.	237	.	.	.
38	F2	16	1245	1245	.	.	.	.	.	196	.	.	.
39	F2	17	1275	1275	.	.	.	.	.	162	1275	.	.
40	F2	18	1353	1353	.	.	.	.	.	152	1354	.	.
41	F2	19	1344	1344	.	.	.	.	.	163	1345	.	.
42	F2	20	1060	1060	.	.	.	.	.	128	1059	.	.
43	F2	21	1357	1357	.	.	.	.	.	165	.	.	.
44	F2	22	1428	1428	.	.	.	.	.	165	.	.	.
45	F2	23	1387	1387	.	.	.	.	.	138	.	.	.
46	F2	24	1305	1305	.	.	.	.	.	138	.	.	.
47	F2	25	1417	1417	.	.	.	.	.	168	1419	.	.

AR10.2056

50	F3	2	1387	1387	154	1388
51	F3	3	1403	1403	184	
52	F3	4	-1417	1417	139	
53	F3	5	1481	1481	166	1482
54	F3	6	1483	1483	204	
55	F3	7	1474	1474	149	1475
	F3	8	1503	1503	198	
	F3	9	1507	1507	169	
58	F3	10	1573	1573	248	
59	F3	11	1598	1598	284	
60	F3	12	1659	1659	178	1659
61	F3	13	1667	1667	178	1667
62	F3	14	1881	1881	202	1883
63	F3	15	1923	1923	202	1924
64	F3	16	1512	1512	77	1515
65	F3	17	1776	1776	149	1776
66	F3	18	1637	1637	266	
67	F4	2	2179	2179	228	2179
68	F4	3	2191	2191	228	2191
69	F4	4	2183	2183	252	
70	F4	5	2057	2057	149	2057
71	F4	6	2209	2209	149	2209
72	F4	7	2436	2436	149	2437
73	F4	8	-1958	1958	184	
74	F4	9	2746	2746	252	
75	F4	10	3572	3572	276	
76	F4	11	-3614	3614	278	
77	F4	12	3815	3815	276	
78	F4	13	2580	2580	252	2583
79	F4	14	2592	2592	252	2594

AR102057

QUANTITATION REPORT FILE: GH025786B15

DATA: GH025786B15.TI

01/27/83 20:20:00

SAMPLE: 1.0 UL FSCC SAMPLE 25786

SUBMITTED BY: OWA#15 ANALYST: 602

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

2 10 10 10 10 10
 (red)

NO	NAME
1	*624 D3-PHENOL (INTERNAL STANDARD)
2	441 N-NITROSODIMETHYLAMINE
3	610 PHENOL
4	473 ANILINE
5	411 BIS(2-CHLOROETHYL)ETHER
6	601 2-CHLOROPHENOL
7	421 1, 3-DICHLOROBENZENE
8	422 1, 4-DICHLOROBENZENE
9	420 1, 2-DICHLOROBENZENE
10	474 BENZYL ALCOHOL
11	412 BIS(2-CHLOROISOPROPYL)ETHER
12	620 2-METHYLPHENOL
13	436 HEXACHLOROETHANE
14	622 4-METHYLPHENOL
15	*619 2-FLUOROPHENOL (SURROGATE STANDARD)
16	*623 PENTAFLUOROPHENOL (SURROGATE STANDARD)
17	*447 D5-NITROBENZENE (SURROGATE STANDARD)
18	*470 DECAFLUOROBIPHENYL (SURROGATE STANDARD)
19	*472 2-FLUOROANILINE (SURROGATE STANDARD)
20	*448 2-FLUOROBIPHENYL (SURROGATE STANDARD)
21	*460 D8-NAPHTHALENE (INTERNAL STANDARD)
22	442 N-NITROSO-DI-N-PROPYLAMINE
23	440 NITROBENZENE
24	438 ISOPHORONE
25	606 2-NITROPHENOL
26	603 2, 4-DIMETHYLPHENOL
27	410 BIS(2-CHLOROETHOXY)METHANE
28	602 2, 4-DICHLOROPHENOL
29	446 1, 2, 4-TRICHLOROBENZENE
30	475 4-CHLOROANILINE
31	625 BENZOIC ACID
32	434 HEXACHLOROBUTADIENE
33	608 P-CHLORO-M-CRESOL
34	477 2-METHYLNAPHTHALENE
35	435 HEXACHLOROCYCLOPENTADIENE
36	611 2, 4, 6-TRICHLOROPHENOL
37	416 2-CHLORONAPHTHALENE
38	402 ACENAPHTHYLENE
39	425 DIMETHYLPHTHALATE
40	439 NAPHTHALENE
41	428 2, 6-DINITROTOLUENE
42	427 2, 4-DINITROTOLUENE
43	479 3-NITROANILINE
44	478 2-NITROANILINE
45	476 DIBENZOFURAN
46	480 4-NITROANILINE

AR102058

NO	NAME
47	626 2, 4, 5-TRICHLOROPHENOL
	*D10-PHENANTHRENE (INTERNAL STANDARD) (467)
	ACENAPHTHENE (401)
50	2, 4-DINITROPHENOL (605)
51	4-NITROPHENOL (607)
52	FLUORENE (432)
53	4-CHLOROPHENYL PHENYL ETHER (417)
54	DIETHYLPHTHALATE (424)
55	4, 6-DINITRO-O-CRESOL (604)
56	DIPHENYLAMINE (N-NITROSO) (443)
57	4-BROMOPHENYL PHENYL ETHER (414)
58	HEXACHLOROBENZENE (433)
59	PHENANTHRENE (444)
60	ANTHRACENE (403)
61	FLUORANTHENE (431)
62	PYRENE (445)
63	1, 2-DIPHENYLHYDRAZINE (AZOBENZENE) (430)
64	DI-N-BUTYLPHTHALATE (426)
65	PENTACHLOROPHENOL (609)
66	*D12-CHRYSENE (INTERNAL STANDARD) (459)
67	BENZO(A)ANTHRACENE (405)
68	CHRYSENE (418)
69	3, 3'-DICHLOROBENZIDINE (423)
70	BUTYLBENZYLPHTHALATE (415)
71	BIS(2-ETHYLHEXYL)PHTHALATE (413)
72	DI-N-OCTYLPHTHALATE (429)
73	BENZIDINE (404)
	BENZO(A)PYRENE (406)
75	INDENO(1, 2, 3-C, D)PYRENE (#437)
76	DIBENZO(A, H)ANTHRACENE (419)
77	BENZO(G, H, I)PERYLENE (408)
78	BENZO(B)FLUORANTHENE (407)
79	BENZO(K)FLUORANTHENE (409)

ORIGINAL

(red)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
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AR102059

C 492

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HGT)	AMOUNT	%TOT
1	97	794	9:55	1	1.000	A*BV	18045.	20.000 NG	2.280
2	NOT FOUND								
3	94	794	9:55	1	1.000	A BV	803.	0.782 NG	0.09
4	NOT FOUND								
5	93	804	10:03	1	1.013	A*VV	2107.	2.223 NG	0.25
6	NOT FOUND								
7	146	828	10:21	1	1.043	A*BB	595.	0.691 NG	0.08
8	146	838	10:28	1	1.055	A BB	527.	0.549 NG	0.06
9	146	869	10:52	1	1.094	A BB	543.	0.588 NG	0.07
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	117	919	11:29	1	1.157	A BB	432.	1.085 NG	(red) 12
14	NOT FOUND								
15	112	645	8:04	1	0.812	A BV	⁹³⁷⁶⁰ 74434.	97.448 NG	11.13
16	184	800	10:00	1	1.008	A*BV	¹³⁴²⁷ 6992.	22.872 NG	2.61
17	82	935	11:41	1	1.178	A BV	128242.	144.773 NG	16.54
18	334	965	12:04	1	1.215	A BB	67354.	158.956 NG	18.16
19	111	763	9:32	1	0.961	A BV	142896.	147.299 NG	16.83
20	172	1258	15:43	1	1.584	A BB	178736.	185.144 NG	21.15
21	136	1056	13:12	21	1.000	A BB	79868.	20.000 NG	2.280
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	162	1275	15:56	21	1.207	A BB	694.	0.286 NG	0.03
38	152	1354	16:55	21	1.282	A BB	1113.	0.358 NG	0.04
39	163	1345	16:49	21	1.274	A BB	680.	0.234 NG	0.03
40	128	1059	13:14	21	1.003	A BB	1889.	0.388 NG	0.04
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	168	1419	17:44	21	1.344	A BB	653.	0.218 NG	0.02
46	NOT FOUND								
47	NOT FOUND								
48	188	1655	20:41	48	1.000	A BV	51614.	20.000 NG	2.280
49	154	1388	17:21	48	0.839	A BB	518.	0.226 NG	0.03
50	NOT FOUND								
51	NOT FOUND								
52	166	1482	18:31	48	0.895	A BB	624.	0.266 NG	0.03
53	NOT FOUND								
54	149	1475	18:26	48	0.891	A BB	972.	0.300 NG	0.03
55	NOT FOUND								
56	NOT FOUND								

ORIGINAL

AB 102050

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
57	NOT FOUND								
59	178	1659	20:44	48	1.002	A BB	1105.	0.369 NG	0.04
60	178	1669	20:52	48	1.008	A BB	1118.	0.398 NG	0.05
61	202	1883	23:32	48	1.138	A BV	771.	0.305 NG	0.03
62	202	1924	24:03	48	1.163	A BB	1067.	0.404 NG	0.05
63	77	1515	18:56	48	0.915	A BB	906.	0.248 NG	0.03
64	149	1776	22:12	48	1.073	A BB	6738.	1.503 NG	0.17
65	NOT FOUND								
66	240	2184	27:18	66	1.000	A BB	42803.	40.000 NG	4.57 °
67	228	2179	27:14	66	0.998	A*BB	1302.	0.876 NG	0.10
68	228	2191	27:23	66	1.003	A BB	1517.	1.109 NG	0.13
69	NOT FOUND								
70	149	2057	25:43	66	0.942	A BB	1073.	0.681 NG	0.08
71	149	2209	27:37	66	1.011	A VB	2834.	1.719 NG	0.20
72	149	2437	30:28	66	1.116	A BB	1996.	0.895 NG	0.10
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	252	2583	32:17	66	1.183	A BV	811.	0.867 NG	0.10
79	252	2594	32:25	66	1.188	A*VB	1456.	1.589 NG	0.18

ORIGINAL

(red)

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	9:54	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
	5:32		0.559			50.00		0.475	
3	9:54	1.00	1.000	1.00	0.78	50.00	0.018	1.138	0.02
4	9:53		0.999			50.00		1.009	
5	10:01	1.00	1.013	1.00	2.22	50.00	0.047	1.051	0.04
6	10:06		1.020			50.00		0.805	
7	10:22	1.00	1.047	1.00	0.69	50.00	0.013	0.954	0.01
8	10:28	1.00	1.058	1.00	0.55	50.00	0.012	1.065	0.01
9	10:52	1.00	1.097	1.00	0.60	50.00	0.012	1.007	0.01
10	10:49		1.092			50.00		0.499	
11	11:08		1.125			50.00		0.283	
12	11:06		1.121			50.00		0.637	
13	11:30	1.00	1.162	1.00	1.09	50.00	0.010	0.441	0.02
14	11:25		1.154			50.00		0.632	
15	8:04	1.00	0.816	1.00	97.45	50.00	1.650	0.847	1.95
16	9:55	1.01	1.003	1.01	22.87	50.00	0.155	0.339	0.46
17	11:41	1.00	1.181	1.00	144.77	50.00	2.843	0.982	2.90
18	12:04	1.00	1.220	1.00	158.96	50.00	1.493	0.470	3.18
19	9:33	1.00	0.965	1.00	147.30	50.00	3.168	1.075	2.95
20	15:44	1.00	1.590	1.00	185.14	50.00	3.962	1.070	3.70
21	13:13	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
22	11:26		0.866			50.00		0.077	
23	11:43		0.887			50.00		0.213	
24	12:14		0.926			50.00		0.857	
25	12:25		0.940			50.00		0.181	
26	12:33		0.950			50.00		0.289	
27	12:46		0.966			50.00		0.434	
28	12:58		0.981			50.00		0.258	
29	13:07		0.993			50.00		0.318	
30	13:29		1.021			250.00		0.227	
31	12:58		0.982			250.00		0.068	

102061

C.477

NC	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
32	13:40		1.034			50.00		0.174	
33	14:36		1.105			50.00		0.337	
34	14:49		1.122			50.00		0.308	
35	15:20		1.161			50.00		0.050	
36	15:34		1.178			50.00		0.132	
37	15:56	1.00	1.206	1.00	0.29	50.00	0.003	0.608	0.01
38	16:55	1.00	1.280	1.00	0.36	50.00	0.006	0.779	0.01
39	16:48	1.00	1.272	1.00	0.23	50.00	0.003	0.727	0.00
40	13:15	1.00	1.003	1.00	0.39	50.00	0.009	1.220	0.01
41	16:58		1.284			50.00		0.135	
42	17:51		1.351			50.00		0.188	
43	17:20		1.312			250.00		0.043	
44	16:19		1.235			250.00		0.184	
45	17:43	1.00	1.341	1.00	0.22	50.00	0.003	0.750	0.00
46	18:48		1.423			250.00		0.032	
47	15:40		1.185			250.00		0.140	
48	20:40	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
49	17:20	1.00	0.839	1.00	0.23	50.00	0.004	0.888	0.00
50	17:32		0.848			250.00		0.020	
51	17:43		0.857			125.00		0.236	
52	18:31	1.00	0.895	1.00	0.27	50.00	0.005	0.910	0.01
53	18:32		0.897			50.00		0.339	
54	18:25	1.00	0.891	1.00	0.30	50.00	0.008	1.254	0.01
55	18:47		0.909			250.00		0.062	
56	18:50		0.911			50.00		0.511	
57	19:39		0.950			50.00		0.178	
58	19:58		0.966			50.00		0.221	
59	20:44	1.00	1.003	1.00	0.37	50.00	0.009	1.161	0.01
60	20:50	1.00	1.008	1.00	0.40	50.00	0.009	1.088	0.01
61	23:31	1.00	1.137	1.00	0.30	50.00	0.006	0.980	0.01
62	24:02	1.00	1.163	1.00	0.40	50.00	0.008	1.024	0.01
63	18:54	1.00	0.914	1.00	0.25	50.00	0.007	1.418	0.00
64	22:12	1.00	1.074	1.00	1.50	50.00	0.052	1.737	0.03
65	20:27		0.989			50.00		0.009	
66	27:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	27:14	1.00	0.998	1.00	0.88	50.00	0.024	1.389	0.02
68	27:23	1.00	1.003	1.00	1.11	50.00	0.028	1.278	0.02
69	27:17		1.000			50.00		0.103	
70	25:42	1.00	0.941	1.00	0.68	50.00	0.020	1.473	0.01
71	27:37	1.00	1.011	1.00	1.72	50.00	0.053	1.541	0.03
72	30:27	1.00	1.115	1.00	0.90	50.00	0.037	2.084	0.02
73	24:31		0.868			150.00		0.006	
74	34:19		1.257			50.00		0.672	
75	44:40		1.636			50.00		0.213	
76	45:09		1.654			50.00		0.160	
77	47:41		1.747			50.00		0.192	
78	32:15	1.00	1.181	1.00	0.87	50.00	0.015	0.874	0.02
79	32:24	1.00	1.187	1.00	1.59	50.00	0.027	0.857	0.03

0.001

(red)

ARI02062

LIBRARY SEARCH
01/27/83 20:20:00 + 21:18
SAMPLE: 1.0 UL FSCC SAMPLE 25786
ENHANCED (5 158 2N 01)

HEAD COMPUTER

DATA: CH025786B15 #1704

BASE N/E: 149
R1C1 6263.

1018
SAMPLE

(red)

C16.H22.04

M WT 1018
B PK 149
IN 12130
PUR 876

1,2-BENZENEDICARBOXYLICACID, BUTYL-2-METHYLPROPYLESTER

CAS# 17851-53-5

AR102063

C16.H22.04

M WT 1018
B PK 149
IN 513
PUR 842

1,2-BENZENEDICARBOXYLICACID, BIS(2-METHYLPROPYL)ESTER

CAS# 84-69-5

C16.H22.04

M WT 1018
B PK 149
IN 514
PUR 828

1,2-BENZENEDICARBOXYLICACID, DIBUTYLESTER

CAS# 84-74-2

M/E

50

100

150

200

250

ORIGINAL

MEDIUM LEVEL LIQUID

(red)

ORGANICS ANALYSIS DATA SHEET - Page 1

Laboratory Name Mead CompuChem
 Lab Sample ID No. Blank 24952
 Associated Samples 23894

Case Number 1439 (101)
 QC Report No. 129-90

Multiply Detection Limits by 1 or 10 or
 (Check Box for Appropriate Factor)

ACID COMPOUNDS

BASE/NEUTRAL COMPOUNDS

PP#	CAS#		ug/g
(21A)	88-06-2	2,4,6-trichlorophenol	10U
(22A)	59-50-7	p-chloro-m-cresol	20U
(24A)	95-57-8	2-chlorophenol	10U
(31A)	122-83-2	2,4-dichlorophenol	10U
(34A)	105-67-9	2,4-dimethylphenol	10U
(57A)	88-75-5	2-nitrophenol	20U
(58A)	100-02-7	4-nitrophenol	100U
(59A)	51-88-5	2,4-dinitrophenol	50U
(60A)	534-52-1	4,6-dinitro-2-methylphenol	20U
(64A)	87-36-5	pentachlorophenol	20U
(65A)	108-95-2	phenol	10U

PP#	CAS#		ug/g
(42B)	39638-32-9	bis-(2-chloroisopropyl)ether	20U
(43B)	11--91-1	bis-(2-chloroethoxy)methane	20U
(52B)	87-68-3	hexachlorobutadiene	10U
(53B)	77-47-4	hexachlorocyclopentadiene	10U
(54B)	78-59-1	isophorone	10U
(55B)	91-20-3	naphthalene	10U
(56B)	98-95-3	nitrobenzene	10U
(62B)	86-30-6	N-nitrosodiphenylamine	10U
(63B)	621-64-7	N-nitrosodi-n-propylamine	20U
(66B)	117-81-7	bis(2-ethylhexyl)phthalate	10U
(67B)	85-68-7	butyl benzyl phthalate	10U
(68B)	84-74-2	di-n-butyl phthalate	10U
(69B)	117-84-0	di-n-octyl phthalate	10U
(70B)	84-66-2	diethyl phthalate	10U
(71B)	131-11-3	dimethyl phthalate	10U
(72B)	56-55-3	benzo(a)anthracene	10U
(73B)	50-33-8	benzo(a)pyrene	20U
(74B)	205-99-2	benzo(b)fluoranthene	20U
(75B)	207-08-9	benzo(k)fluoranthene	20U
(76B)	318-01-9	chrysene	10U
(77B)	208-96-8	acenaphthylene	10U
(78B)	120-12-7	anthracene	10U
(79B)	181-24-2	benzo(ghi)perylene	20U
(80B)	86-73-7	fluorene	10U
(81B)	85-01-8	phenanthrene	10U
(82B)	53-70-3	dibenzo(a,h)anthracene	20U
(83B)	183-39-5	indeno(1,2,3-cd)pyrene	20U
(84B)	129-00-0	pyrene	10U

(Non-Priority Pollutant Hazardous Substances)

65-85-0	benzoic acid	100U
95-48-7	2-methylphenol	10U
108-39-4	4-methylphenol	10U
95-95-4	2,4,5-trichlorophenol	100U

BASE-NEUTRAL COMPOUNDS

(1B)	83-32-9	acenaphthene	10U
(5B)	92-87-5	benzidine	40U
(8B)	120-82-1	1,2,4-trichlorobenzene	10U
(9B)	118-74-1	hexachlorobenzene	10U
(12B)	67-72-1	hexachloroethane	10U
(18B)	111-44-4	bis(2-chloroethyl)ether	10U
(20B)	91-58-7	2-chloronaphthalene	10U
(25B)	95-50-1	1,2-dichlorobenzene	10U
(26B)	541-73-1	1,3-dichlorobenzene	10U
(27B)	106-46-7	1,4-dichlorobenzene	10U
(28B)	91-94-1	3,3'-dichlorobenzidine	20U
(35B)	121-14-2	2,4-dinitrotoluene	20U
(36B)	606-20-2	2,6-dinitrotoluene	20U
		1,2-diphenylhydrazine	
(37B)	122-66-7	(as azobenzene)	20U
(39B)	206-44-0	fluoranthene	10U
(40B)	7005-72-3	4-chlorophenyl phenylether	10U
(41B)	101-55-3	4-bromophenyl phenyl ether	10U

(Non-Priority Pollutant Hazardous Substances)

62-53-3	aniline	10U
100-51-6	benzyl alcohol	20U
106-47-8	4-chloroaniline	50U
132-64-9	dibenzofuran	10U
91-57-6	2-methylnaphthalene	20U
88-74-4	2-nitroaniline	100U
99-09-2	3-nitroaniline	100U
100-01-6	4-nitroaniline	100U

*Liquid samples are prepared using a weighed portion, all data is reported on a per weight basis.

AR102064

ORIGINAL

(red)

Lab Name: Mead CompuChemLab Sample I.D. No. 24952Blank

A. SURROGATE SPIKE RESULTS

COMPOUND	FRACTION	CONC (ug/g)	(Surrogates only)	
			Spike Added (ug/g)	% Recovery
2-Fluorophenol	SEMIVOA	90	100	90
Pentafluorophenol	SEMIVOA	30	100	30
D6-Phenol	SEMIVOA		100	
D5-Nitrobenzene	SEMIVOA	82	100	82
Decafluorobiphenyl	SEMIVOA	92	100	92
2-Fluorobiphenyl	SEMIVOA	90	100	90
2-Fluoroaniline	SEMIVOA	93	100	93

AR102065

C 498

LAB SAMPLE I.D. # 024952

MEAD COMPLEXION ORGANICS ANALYSIS DATA SHEET

SAMPLE # -----

ESTIMATED CONCENTRATION OF TENTATIVELY IDENTIFIED COMPOUNDS
ANALYTICAL FRACTION: ABN

1	SCAN NUMBER	CAS #	COMPOUND NAME	PURITY %	ESTIMATED CONC (UG/G) OR (UG/L)
	1871	1120-21-4	UNDECANE	89.8	8.7

1.000

AR102066

C 477

ORIGINAL

(red)

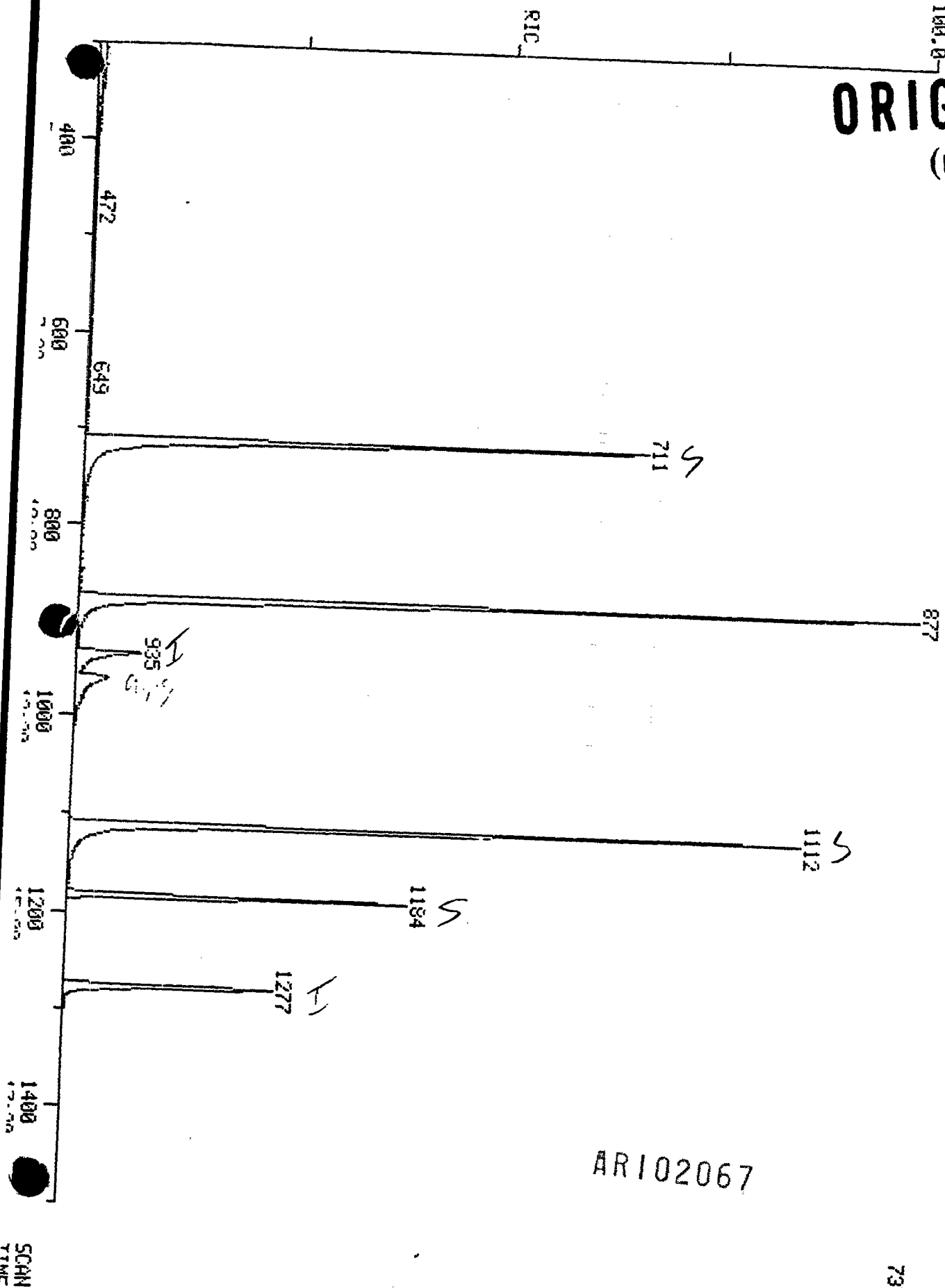
RIC
01/15/83 0:03:00
SAMPLE: JUL 24952 DIRECT INJECT ON #7

HEAD COMPUTER

DATA: GH024952007

SCANS 300 TO 1500

73728.



AR102067

SCAN TIME

C 500

ORIGINAL

100.0

(100.0)

RIC
01/15/83 0:03:00
SAMPLE: IUL 24952 DIRECT INJECT ON #7

NEED COMPUCHEM

DATA: GH024952007

SCANS 1500 TO 2500

81920.

RIC

1600
1800
2000
2200
2400
SCAN

1871

2100

2299

AR102068

C 501

ORIGINAL
(red)

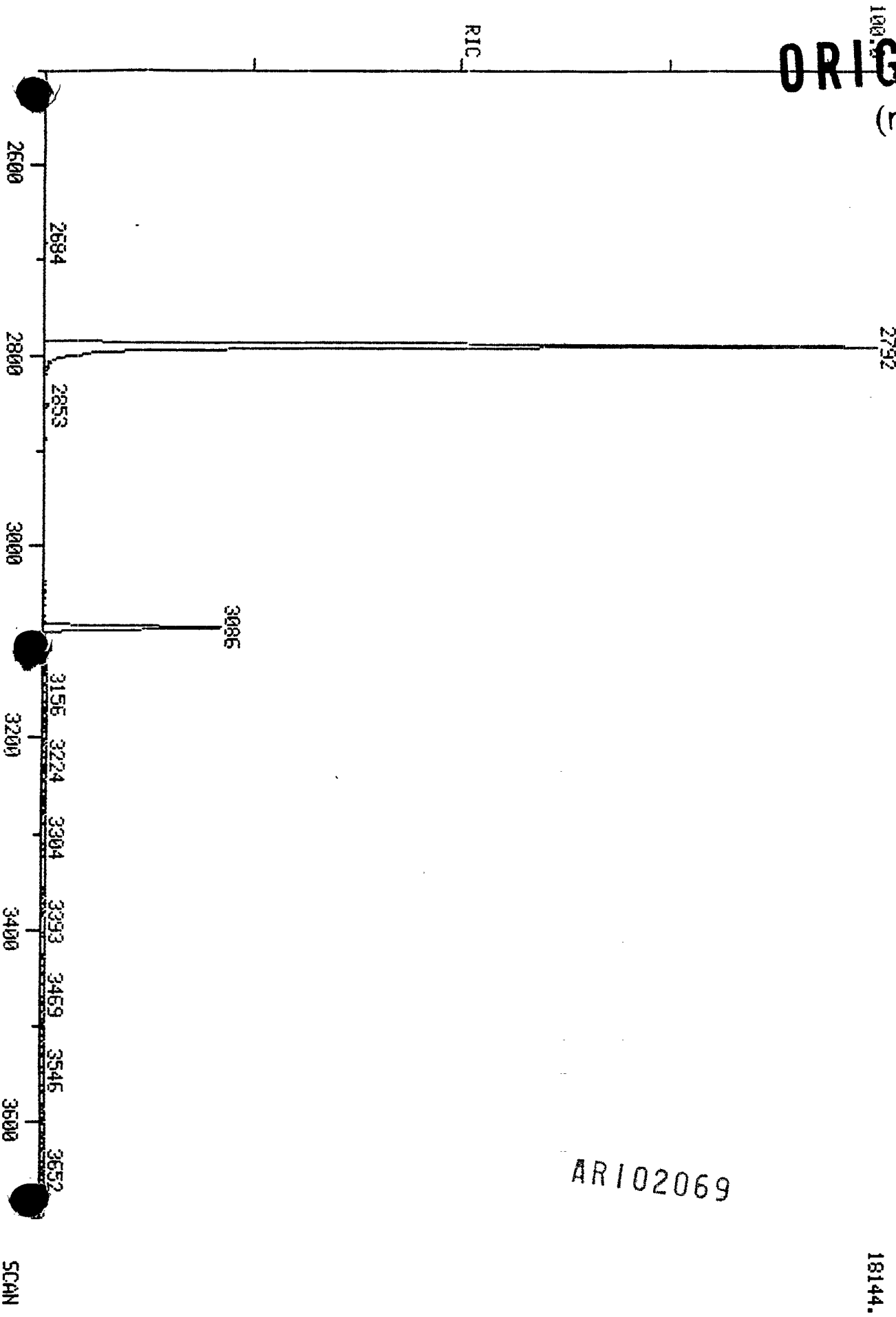
RIC
01/15/83 0:03:00
SAMPLE: IUL 24952 DIRECT INJECT ON #7

HEAD COMPLICHEM

DATA: CH024952007

SCANS 2500 TO 3700

18144.



AR102069

SCAN

C 502

PROCEDURE: RK
DATA FILE: GH024952C07
REFERENCE: FSCC6
METHOD: FSCC6
REPORT: FSCC6S1

DIAGNOSTIC REPORT

1/15/83 0:58:53

ORIGINAL

INITIALIZATION OPTION: 2 PROCESSING OPTION: 1

STANDARDS				PLUS UNKNOWN				LIST NAMES	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
4	4	1	89	65	10	1	179	FSCC6S1/FSCC6U1	
2	2	1	0	15	2	1	0	FSCC6S2/FSCC6U2	

79 COMPOUNDS PROCESSED, 11 FOUND

COMPOUND		SEARCH						SAT		CHRO		
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/E	TOP	DELTA	PEAKS
1	F1	1	-930	934	935	1	1	958	97	935	.	1
2	F1	20	-1562	1565	1564	-1	1	985	172	1564	.	1
3	F2	1	-1274	1277	1277	.	1	995	136	1276	-1	1
4	F3	1	-2098	2099	2100	1	1	993	168	2100	.	1
5	F1	2	-360	363	.	.	.	.	74	.	.	.
6	F1	3	-930	933	.	.	.	.	94	.	.	.
7	F1	4	-912	915	.	.	.	.	93	.	.	.
8	F1	5	-934	937	.	.	.	.	93	.	.	.
9	F1	6	-933	936	.	.	.	.	128	.	.	.
10	F1	7	-959	962	.	.	.	.	146	.	.	.
11	F1	8	-973	976	.	.	.	.	146	.	.	.
12	F1	9	-1015	1018	.	.	.	.	146	.	.	.
13	F1	10	-1022	1025	.	.	.	.	108	.	.	.
14	F1	11	-1059	1062	.	.	.	.	121	.	.	.
15	F1	12	-1062	1065	.	.	.	.	108	.	.	.
16	F1	13	-1084	1087	.	.	.	.	117	.	.	.
17	F1	14	-1099	1102	.	.	.	.	108	.	.	.
18	F1	15	-711	714	711	-3	1	976	112	711	.	1
19	F1	16	-955	958	961	3	1	974	164	961	.	2
20	F1	17	-1110	1113	1112	-1	1	985	62	1112	.	1
21	F1	18	-1182	1185	1184	-1	1	991	334	1184	.	1
22	F1	19	-875	878	877	-1	1	1000	111	877	.	1
23	F2	2	-1092	1095	.	.	.	.	130	.	.	.
24	F2	3	-1114	1117	.	.	.	.	123	.	.	.
25	F2	4	-1174	1177	.	.	.	.	62	.	.	.
26	F2	5	-1192	1195	.	.	.	.	139	.	.	.
27	F2	6	-1222	1225	.	.	.	.	122	.	.	.
28	F2	7	-1243	1246	.	.	.	.	93	.	.	.
29	F2	8	-1254	1257	.	.	.	.	162	.	.	.
30	F2	9	-1268	1271	.	.	.	.	160	.	.	.
31	F2	10	-1312	1315	.	.	.	.	127	.	.	.
32	F2	11	-1292	1295	.	.	.	.	105	.	.	.
33	F2	12	-1332	1335	.	.	.	.	225	.	.	.
34	F2	13	-1447	1450	.	.	.	.	107	.	.	.
35	F2	14	-1454	1457	.	.	.	.	115	.	.	.
36	F2	15	-1515	1517	.	.	.	.	237	.	.	.
37	F2	16	-1541	1543	.	.	.	.	196	.	.	.
38	F2	17	-1575	1577	.	.	.	.	162	.	.	.
39	F2	18	-1681	1683	.	.	.	.	152	.	.	.
40	F2	19	-1688	1690	.	.	.	.	163	.	.	.
41	F2	20	-1279	1282	.	.	.	.	128	.	.	.
42	F2	21	-1701	1703	.	.	.	.	165	.	.	.
43	F2	22	-1798	1800	.	.	.	.	165	.	.	.
44	F2	23	-1731	1733	.	.	.	.	138	.	.	.
45	F2	24	-1626	1628	.	.	.	.	138	.	.	.
46	F2	25	-1772	1774	.	.	.	.	168	.	.	.

ARI02070

49	F3	2	-1730	1732						167		
50	F3	3	-1759	1761						164		
51	F3	4	-1796	1798						139		
52	F3	5	-1860	1862						166		
53	F3	6	-1872	1874						164		
54	F3	7	-1873	1875						149		
55	F3	8	-1901	1903						178		
56	F3	9	-1908	1910						169		
57	F3	10	-1994	1996						248	(red)	
58	F3	11	-2022	2024						284		
59	F3	12	-2104	2106						178		
60	F3	13	-2115	2117						178		
61	F3	14	-2413	2415						202		
62	F3	15	-2468	2470						202		
63	F3	16	-1911	1913						77		
64	F3	17	-2297	2299	2299		1	924		149	2299	1
65	F3	18	-2075	2077						266		
66	F4	1	-2792	2792	2792		1	996		240	2792	1
67	F4	2	-2788	2788						228		
68	F4	3	-2798	2798						228		
69	F4	4	-2805	2805						252		
70	F4	5	-2683	2683						149		
71	F4	6	-2853	2853						149	2853	1
72	F4	7	-3012	3011						149		
73	F4	8	-2118	2120						164		
74	F4	9	-3134	3133						252		
75	F4	10	-3467	3465						276		
76	F4	11	-3482	3480						278		
77	F4	12	-3561	3559						276		
78	F4	13	-3060	3059						252		
79	F4	14	-3066	3065						252		

ORIGINAL

AR102071

QUANTITATION REPORT FILE: GH024952C07

ORIGINAL
(rcj)

DATA: GH024952C07.TI

01/15/83 0:03:00

SAMPLE: 1UL 24952 DIRECT INJECT ON #7

SUBMITTED BY: 7 ANALYST: 624

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

NO	NAME
1	*D3-PHENOL (INTERNAL STANDARD) (624)
2	N-NITROSODIMETHYLAMINE (441)
3	PHENOL (610)
4	ANILINE (473)
5	BIS(2-CHLOROETHYL)ETHER (411)
6	2-CHLOROPHENOL (601)
7	1,3-DICHLOROBENZENE (421)
8	1,4-DICHLOROBENZENE (422)
9	1,2-DICHLOROBENZENE (420)
10	BENZYL ALCOHOL (474)
11	BIS(2-CHLOROISOPROPYL)ETHER (412)
12	2-METHYLPHENOL (620)
13	HEXACHLOROETHANE (436)
14	4-METHYLPHENOL (622)
15	2-FLUOROPHENOL (SURROGATE) (619)
16	PENTAFLUOROPHENOL (SURROGATE) (623)
17	DS-NITROBENZENE (SURROGATE) (447)
18	DECAFLUOROBIPHENYL (SURROGATE) (470)
19	2-FLUOROANILINE (SURROGATE) (472)
20	2-FLUOROBIPHENYL (SURROGATE) (448)
21	*D8-NAPHTHALENE (INTERNAL STANDARD) (460)
22	N-NITROSO-DI-N-PROPYLAMINE (442)
23	NITROBENZENE (440)
24	ISOPHORONE (438)
25	2-NITROPHENOL (606)
26	2,4-DIMETHYLPHENOL (603)
27	BIS(2-CHLOROETHOXY)METHANE (410)
28	2,4-DICHLOROPHENOL (602)
29	1,2,4-TRICHLOROBENZENE (446)
30	4-CHLOROANILINE (475)
31	BENZOIC ACID (625)
32	HEXACHLOROBUTADIENE (434)
33	P-CHLORO-M-CRESOL (608)
34	2-METHYLNAPHTHALENE (472)
35	HEXACHLOROCYCLOPENTADIENE (435)
36	2,4,6-TRICHLOROPHENOL (611)
37	2-CHLORONAPHTHALENE (416)
38	ACENAPHTHYLENE (402)
39	DIMETHYLPHTHALATE (425)
40	NAPHTHALENE (439)
41	2,6-DINITROTOLUENE (428)
42	2,4-DINITROTOLUENE (427)
43	3-NITROANILINE(479)
44	2-NITROANILINE(478)
45	DIBENZOFURAN (476)
46	4-NITROANILINE(480)

AR102072

ORIGINAL
(red)

NO NAME
 47 2,4,5-TRICHLOROPHENOL (626)
 48 *D10-PHENANTHRENE (INTERNAL STANDARD) (467)
 49 ACENAPHTHENE (401)
 50 2,4-DINITROPHENOL (605)
 51 4-NITROPHENOL (607)
 52 FLUORENE (432)
 53 4-CHLOROPHENYL PHENYL ETHER (417)
 54 DIETHYLPHTHALATE (424)
 55 4,6-DINITRO-O-CRESOL (604)
 56 DIPHENYLAMINE (N-NITROSO) (443)
 57 4-BROMOPHENYL PHENYL ETHER (414)
 58 HEXACHLOROBENZENE (433)
 59 PHENANTHRENE (444)
 60 ANTHRACENE (403)
 61 FLUORANTHENE (431)
 62 PYRENE (445)
 63 1,2-DIPHENYLHYDRAZINE (AZOBENZENE) (430)
 64 DI-N-BUTYLPHTHALATE (426)
 65 PENTACHLOROPHENOL (609)
 66 *D12-CHRYSENE (INTERNAL STANDARD) (459)
 67 BENZO(A)ANTHRACENE (405)
 68 CHRYSENE (418)
 69 3,3'-DICHLOROBENZIDINE (423)
 70 BUTYLBENZYLPHTHALATE (415)
 71 BIS(2-ETHYLHEXYL)PHTHALATE (413)
 72 DI-N-OCTYLPHTHALATE (429)
 73 BENZIDINE (404)
 74 BENZO(A)PYRENE (406)
 75 INDENO(1,2,3-C,D)PYRENE (#437)
 76 DIBENZO(A,H)ANTHRACENE (419)
 77 BENZO(G,H,I)PERYLENE (408)
 78 BENZO(B)FLUORANTHENE (407)
 79 BENZO(K)FLUORANTHENE (409)

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

AR102073

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	97	935	11:41	1	1.000	A BV	13820.	20.000 NG	3.00
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	NOT	FOUND							
15	112	711	8:53	1	0.760	A BB	55452.	107.430 NG	16.10
16	184	961	12:01	1	1.028	A*BV	409 3190.	12.751 NG	1.91
17	82	1112	13:54	1	1.189	A BV	91334.	121.929 NG	18.27
18	334	1184	14:48	1	1.266	A BB	19858.	63.454 NG	9.51
19	111	877	10:58	1	0.938	A BB	90383.	139.817 NG	20.96
20	172	1564	19:33	1	1.673	A BV	85377.	119.935 NG	17.98
21	136	1276	15:57	21	1.000	A BV	35706.	20.000 NG	3.00
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	NOT	FOUND							
	NOT	FOUND							
	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	188	2100	26:15	48	1.000	A BV	24942.	20.000 NG	3.00
49	NOT	FOUND							
50	NOT	FOUND							
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							

ORIGINAL
(red)

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NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	149	2299	28:44	48	1.095	A BB	6849.	2.52 (red)	0.38
55	NOT FOUND								
56	240	2792	34:54	66	1.000	A BB	30139.	40.000 NC	6.00
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
70	NOT FOUND								
71	149	2853	35:40	66	1.022	A BB	416.	0.323 NC	0.05
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								

ORIGINAL

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
1	11:37	1.01	1.000	1.00	20.00	20.00	1.000	1.000	1.00
2	4:30		0.387			50.00		0.569	
3	11:37		1.000			50.00		1.025	
4	11:24		0.981			50.00		1.120	
5	11:40		1.004			50.00		0.956	
6	11:40		1.003			50.00		0.612	
7	11:59		1.031			50.00		0.621	
8	12:10		1.046			50.00		0.686	
9	12:41		1.091			50.00		0.640	
10	12:46		1.099			50.00		0.431	
11	13:14		1.139			50.00		0.239	
12	13:16		1.142			50.00		0.618	
13	13:33		1.166			50.00		0.361	
14	13:44		1.182			50.00		0.684	
15	8:53	1.00	0.765	0.99	107.43	50.00	1.605	0.747	2.15
16	11:56	1.01	1.027	1.00	12.75	50.00	0.092	0.362	0.26
17	13:52	1.00	1.194	1.00	121.93	50.00	2.643	1.084	2.44
18	14:46	1.00	1.271	1.00	63.45	50.00	0.575	0.453	1.27
19	10:56	1.00	0.941	1.00	139.82	50.00	2.616	0.935	2.80
20	19:31	1.00	1.680	1.00	119.94	50.00	2.471	1.030	2.40
21	15:55	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
22	13:39		0.857			50.00		0.086	
23	13:55		0.874			50.00		0.237	
24	14:40		0.922			50.00		1.344	
25	14:54		0.936			50.00		0.188	
26	15:16		0.959			50.00		0.351	
27	15:32		0.976			50.00		0.596	
28	15:40		0.984			50.00		0.213	
29	15:51		0.995			50.00		0.245	
30	16:24		1.030			250.00		0.318	
31	16:09		1.014			250.00		0.191	

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ORIGINAL
(red)

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
32	16:39		1.046			50.00		0.106	
33	18:05		1.136			50.00		0.447	
34	18:10		1.141			50.00		0.298	
35	18:56		1.189			50.00		0.064	
36	19:16		1.210			50.00		0.132	
37	19:41		1.236			50.00		0.532	
38	21:01		1.319			50.00		0.906	
39	21:06		1.325			50.00		0.814	
40	15:59		1.004			50.00		1.164	
41	21:16		1.335			50.00		0.173	
42	22:28		1.411			50.00		0.247	
43	21:38		1.359			250.00		0.005	
44	20:19		1.276			250.00		0.283	
45	22:09		1.391			50.00		0.750	
46	23:51		1.498			250.00		0.035	
47	19:23		1.217			250.00		0.136	
48	26:13	1.00	1.000	1.00	20.00	20.00	1.000	1.000	1.00
49	21:37		0.825			50.00		0.777	
50	21:59		0.838			250.00		0.062	
51	22:27		0.856			125.00		0.185	
52	23:15		0.887			50.00		0.766	
53	23:24		0.892			50.00		0.252	
54	23:25		0.893			50.00		1.307	
55	23:46		0.906			250.00		0.105	
56	23:51		0.909			50.00		0.346	
57	24:55		0.950			50.00		0.139	
58	25:16		0.964			50.00		0.178	
59	26:18		1.003			50.00		1.048	
60	26:26		1.008			50.00		0.948	
61	30:10		1.150			50.00		1.058	
62	30:51		1.176			50.00		1.071	
63	23:53		0.911			50.00		1.561	
64	28:43	1.00	1.095	1.00	2.52	50.00	0.110	2.177	0.05
65	25:56		0.989			50.00		0.095	
66	34:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
67	34:51		0.999			50.00		1.225	
68	34:58		1.002			50.00		1.158	
69	35:04		1.005			50.00		0.069	
70	33:32		0.961			50.00		1.335	
71	35:40	1.00	1.022	1.00	0.32	50.00	0.011	1.711	0.01
72	37:39		1.079			50.00		3.479	
73	26:28		1.000			150.00		0.002	
74	39:10		1.122			50.00		0.976	
75	43:20		1.242			50.00		0.797	
76	43:31		1.247			50.00		0.752	
77	44:31		1.275			50.00		0.813	
78	38:15		1.096			50.00		1.154	
79	38:19		1.098			50.00		1.021	

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