182418

001407

SAMPLE DATA

SED-2

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3289
Sample Matrix: SOIL
Data Release Authorized By: Sohail Jafari

Case No: N.J. D.E.P.
QC Report No: 008, 009
Contract No: N/A
Date Sample Received: 9/19/86

SED-2

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)

001408

Date Extracted/Prepared: 09/23/86
Date Analyzed: 09/23/86
Conc/Dil Factor: 1 pH: 6.8
Percent Moisture: 20

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	2.3 J
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	8.1
67-64-1	ACETONE	35.0 B
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	2.0 J
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	10.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	6.0
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	7.0 B
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g.10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected.The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value.This flag is used either when estimating a concentration for tentatively identified compounds where a 1 1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. D.E.P.

001409

SAMPLE NO.
SED-2

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/24/86
Date Analyzed: 10/03/86
Conc/Dil Factor:----------> 2
Percent Moisture: 20

GPC Cleanup: Yes X No____
Separatory Funnel Extraction: Yes____
Continuous Liquid - Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	660.0 U
108-95-2	Phenol	660.0 U
111-44-4	bis(-2-Chloroethyl)Ether	660.0 U
95-57-8	2-Chlorophenol	660.0 U
541-73-1	1,3-Dichlorobenzene	660.0 U
106-46-7	1,4-Dichlorobenzene	660.0 U
100-51-6	Benzyl Alcohol	660.0 U
95-50-1	1,2-Dichlorobenzene	660.0 U
95-48-7	2-Methylphenol	660.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	660.0 U
106-44-5	4-Methylphenol	660.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	660.0 U
67-72-1	Hexachloroethane	660.0 U
98-95-3	Nitrobenzene	660.0 U
78-59-1	Isophorone	660.0 U
88-75-5	2-Nitrophenol	660.0 U
105-67-9	2,4-Dimethylphenol	660.0 U
65-85-0	Benzoic Acid	38.0 J
111-91-1	bis(-2-Chloroethoxy)Methane	660.0 U
120-83-2	2,4-Dichlorophenol	660.0 U
120-82-1	1,2,4-Trichlorobenzene	660.0 U
91-20-3	Naphthalene	660.0 U
106-47-8	4-Chloroaniline	660.0 U
87-68-3	Hexachlorobutadiene	660.0 U
59-50-7	4-Chloro-3-Methylphenol	660.0 U
91-57-6	2-Methylnaphthalene	660.0 U
77-47-4	Hexachlorocyclopentadiene	660.0 U
88-06-2	2,4,6-Trichlorophenol	660.0 U
95-95-4	2,4,5-Trichlorophenol	3200.0 U
91-58-7	2-Chloronaphthalene	660.0 U
88-74-4	2-Nitroaniline	3200.0 U
131-11-3	Dimethyl Phthalate	660.0 U
208-96-8	Acenaphthylene	660.0 U
99-09-2	3-Nitroaniline	3200.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	660.0 U
51-28-5	2,4-Dinitrophenol	3200.0 U
100-02-7	4-Nitrophenol	3200.0 U
132-64-9	Dibenzofuran	660.0 U
121-14-2	2,4-Dinitrotoluene	660.0 U
606-20-2	2,6-Dinitrotoluene	660.0 U
84-66-2	Diethylphthalate	660.0 U
7005-72-3	4-Chlorophenyl-phenylether	660.0 U
86-73-7	Fluorene	660.0 U
100-01-6	4-Nitroaniline	3200.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	3200.0 U
86-30-6	N-Nitrosodiphenylamine (1)	660.0 U
101-55-3	4-Bromophenyl-phenylether	660.0 U
118-74-1	Hexachlorobenzene	660.0 U
87-86-5	Pentachlorophenol	3200.0 U
85-01-8	Phenanthrene	660.0 U
120-12-7	Anthracene	660.0 U
84-74-2	Di-n-Butylphthalate	660.0 U
206-44-0	Fluoranthene	660.0 U
129-00-0	Pyrene	660.0 U
85-68-7	Butylbenzylphthalate	660.0 U
91-94-1	3,3'-Dichlorobenzidine	1320.0 U
56-55-3	Benzo(a)Anthracene	660.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	800.0 ~~B~~ JB
218-01-9	Chrysene	660.0 U
117-84-0	Di-n-Octyl Phthalate	800.0
205-99-2	Benzo(b)Fluoranthene	660.0 U
207-08-9	Benzo(k)Fluoranthene	660.0 U
50-32-8	Benzo(a)Pyrene	660.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	660.0 U
53-70-3	Dibenz(a,h)Anthracene	660.0 U
191-24-2	Benzo(g,h,i)Perylene	660.0 U

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

001410

SED 2

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/24/86

Date Analyzed: 10/1/86

Conc/Dil Factor: -----> 2

Percent Moisture: 20

GPC Cleanup: Yes_X_ No___

Separatory Funnel Extraction: Yes_X_

Continuous Liquid-Liquid Extraction: Yes___

50

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	16.00 U
319-85-7	Beta-BHC	16.00 U
319-86-8	Delta-BHC	16.00 U
58-89-9	Gamma-BHC (Lindane)	16.00 U
76-44-8	Heptachlor	16.00 U
309-00-2	Aldrin	16.00 U
1024-57-3	Heptachlor Epoxide	16.00 U
959-98-8	Endosulfan I	16.00 U
60-57-1	Dieldrin	32.00 U
72-55-9	4,4'-DDE	32.00 U
72-20-8	Endrin	32.00 U
33213-65-9	Endosulfan II	32.00 U
72-54-8	4,4'-DDD	32.00 U
7421-93-4	Endrin Aldehyde	32.00 U
1031-07-8	Endosulfan Sulfate	32.00 U
50-29-3	4,4'-DDT	32.00 U
53494-70-5	Endrin Ketone	32.00 U
72-43-5	Methoxychlor	160.00 U
57-74-9	Chlordane	160.00 U
8001-35-2	Toxaphene	320.00 U
12674-11-2	Aroclor-1016	160.00 U
11104-28-2	Aroclor-1221	160.00 U
11141-16-5	Aroclor-1232	160.00 U
53469-21-9	Aroclor-1242	160.00 U
12672-29-6	Aroclor-1248	160.00 U
11097-69-1	Aroclor-1254	3431.37
11096-82-5	Aroclor-1260	320.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 40000 Vi 3

FORM I

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. D.E.P.

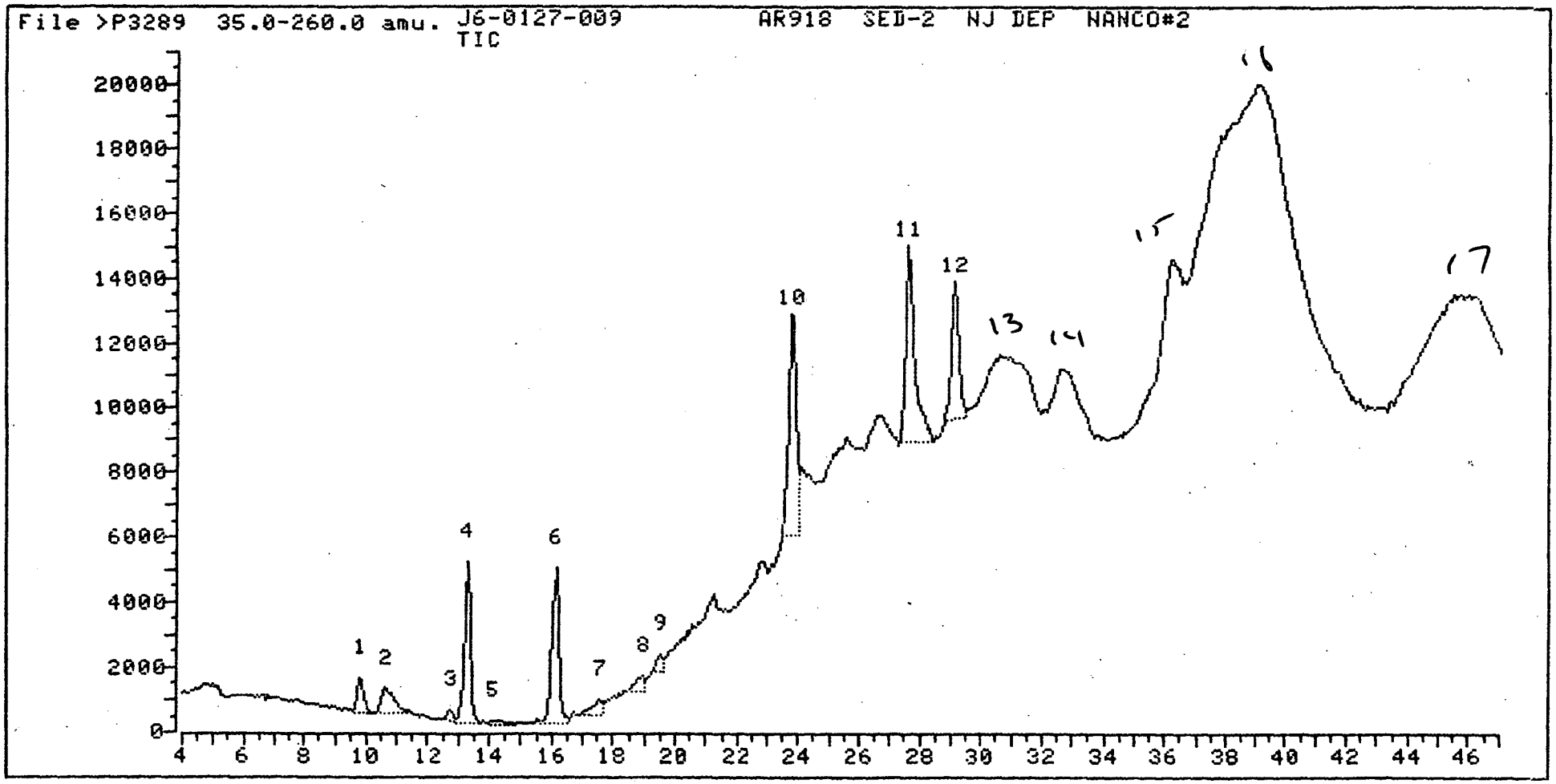
SED-2

001411

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN	VOA	17.59	10.0 J
3	-----	UNKNOWN BENZENE ISOMER	VOA	30.60	114.0 J
4	-----	UNKNOWN	VOA	32.68	97.0 J
5	-----	UNKNOWN	VOA	39.07	15.0 J
6	-----	UNKNOWN ALKANE	VOA	45.46	630.0 J
7					
8					
9					
10					
11					
12					
13	127184	ETHENE, TETRACHLORO	BNA	6.40	2600.0 J
14	-----	UNKNOWN ALKENE	BNA	6.70	1070.0 J
15	-----	UNKNOWN ALKENE	BNA	6.91	3400.0 J
16	-----	UNKNOWN ALKANE	BNA	7.09	5400.0 J
17	-----	UNKNOWN	BNA	7.58	38000.0 J
18	-----	UNKNOWN	BNA	7.62	1600.0 J
19	-----	UNKNOWN	BNA	10.70	2900.0 J
20	-----	UNKNOWN ALCOHOL	BNA	10.88	2100.0 J
21	-----	UNKNOWN ALCOHOL	BNA	12.00	902.0 J
22	-----	UNKNOWN ALKANE	BNA	22.67	1100.0 J
23	-----	UNKNOWN ALKANE	BNA	24.12	970.0 J
24	-----	UNKNOWN ALKANE	BNA	24.22	660.0 J
25					
26					

IAJ 15:18 9/24/96



PK#

4	BROMOCHLOROMETHANE	(IS
10	1,4-DIFLUOROBENZENE	(IS
12	CHLOROBENZENE-d5	(IS
6	1,2-DICHLOROETHANE-d4	(SR
11	TOLUENE-d8	(SR
11	4-BROMOFLUOROBENZENE	(SR

001412

QUANT REPORT

Operator ID: DALY Quant Rev: 4 Quant Time: 860923 07:33
Output File: ^P3289::PS Injected at: 860923 03:10
Data File: >P3289::D2 Dilution Factor: 1.00
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2

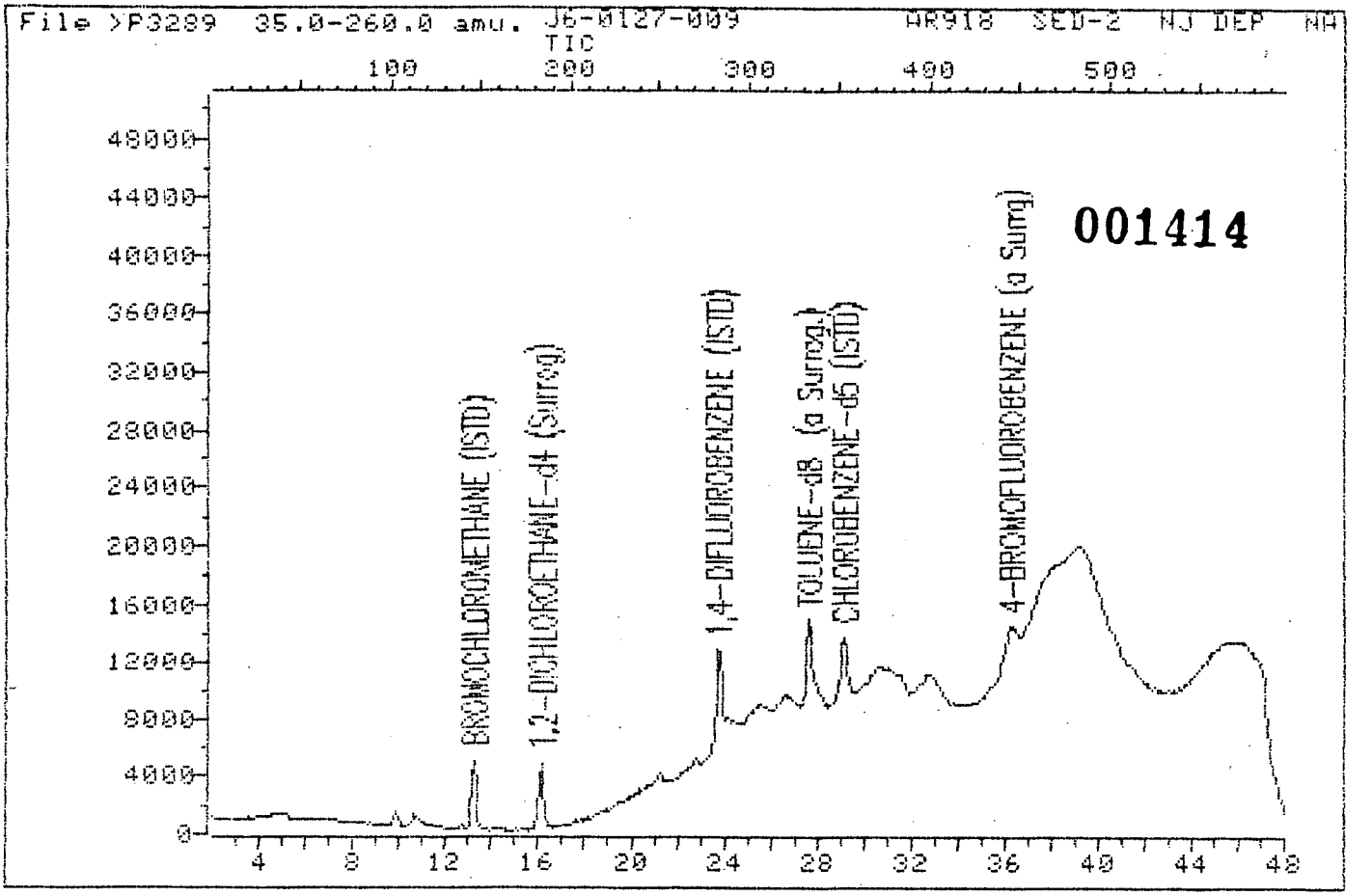
001413

ID File: IDEPA2:PK:NA
Title: IDEPA VOA
Last Calibration: 860922 19:40

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	13.28	147	7251	50.00	UG	60
2)	Chloromethane	2.90	12	521	1.84	UG	76
6)	Methylene Chloride	9.82	102	2810	6.48	UG	92
7)	Acetone	10.62	115	6696	28.14	UG	66
14)	*1,4-DIFLUOROBENZENE (ISTD)	23.74	283	30916	50.00	UG	99
~~15)~~	~~2-Butanone~~	~~16.42~~	~~184~~	~~1015~~	~~13.42~~	~~UG~~	~~87~~
25)	Benzene	21.20	250	3689	4.47	UG	93
29)	*CHLOROBENZENE-d5 (ISTD)	29.13	353	22031	50.00	UG	96
34)	Toluene	27.82	336	2878	5.56	UG	84
39)	TOLUENE-d8 (a Surrog.)	27.59	333	29807	49.49	UG	97
40)	4-BROMOFLUOROBENZENE (a Surrg)	36.22	445	17737	45.81	UG	90
41)	*[BROMOCHLOROMETHANE (ISTD)]	13.28	147	7251	50.00	UG	60
42)	1,2-DICHLOROETHANE-d4 (Surrog)	16.12	184	18909	49.60	UG	94
9)	1,1 Dichloroethane	12.74	140	392	1.85		

* Compound is ISTD

TOTAL ION CHROMATOGRAM

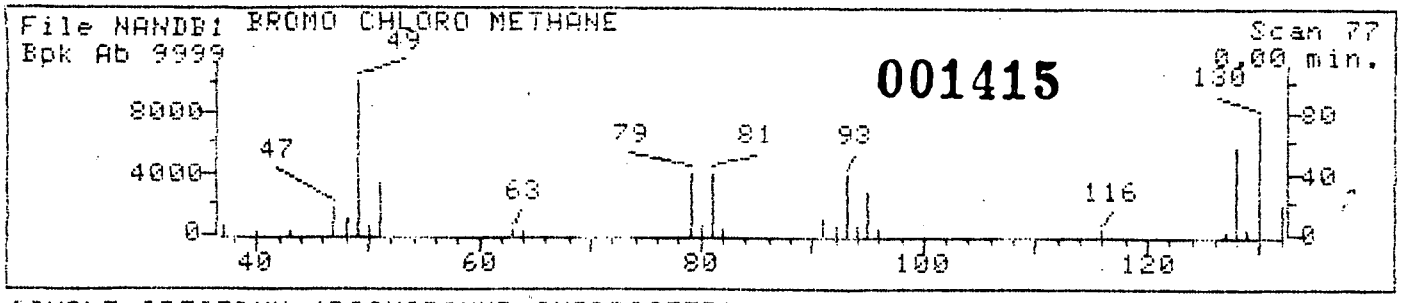


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2

Id File: IDEPA2:PK:NA
Title: IDEPA VOA
Last Calibration: 860922 19:40

Operator ID: DALY
Quant Time: 860923 07:33
Injected at: 860923 03:10

REFERENCE STANDARD SPECTRUM



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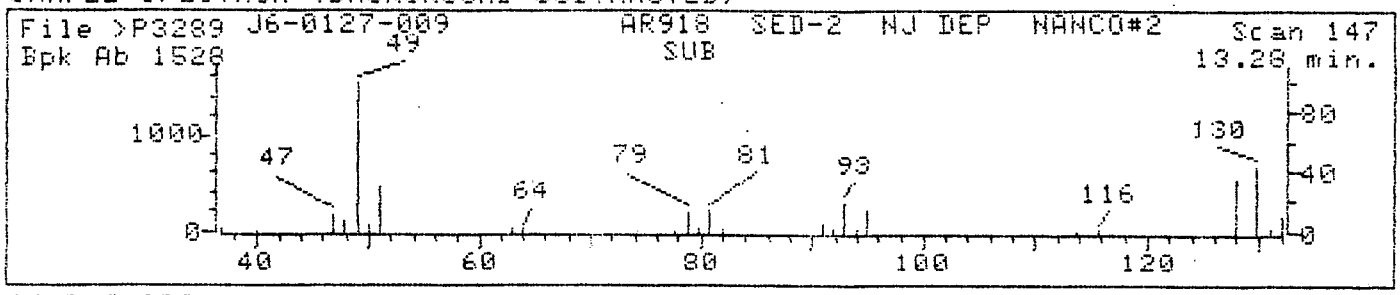

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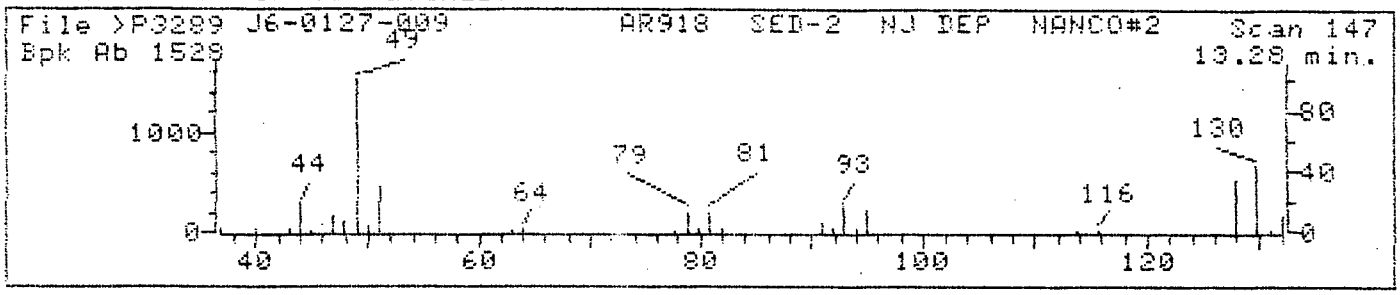
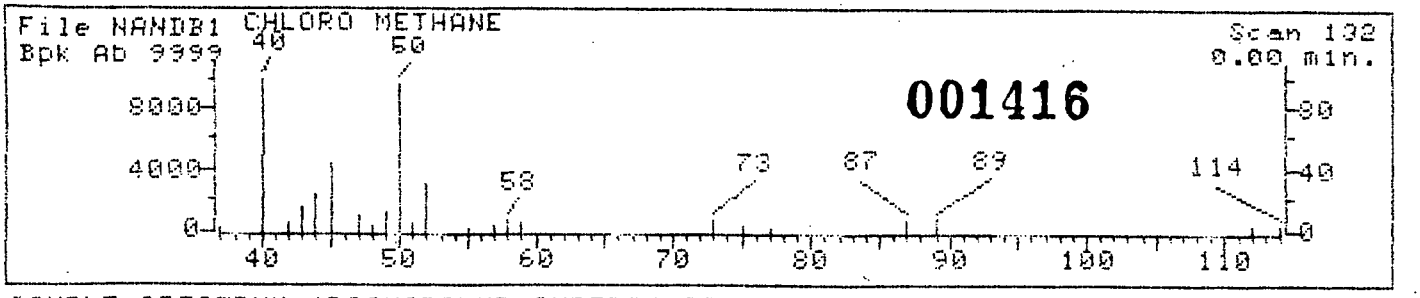


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 1 (ISTD)
Compound Name: BROMOCHLOROMETHANE (ISTD)
Scan Number: 147
Retention Time: 13.28 min.
Area: 7251
Concentration: 50.00 UG
q-value: 60

REFERENCE STANDARD SPECTRUM



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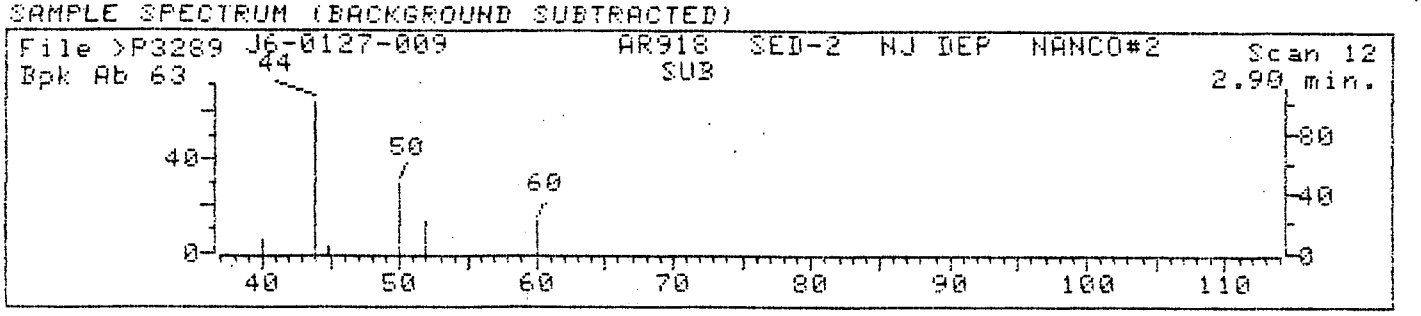

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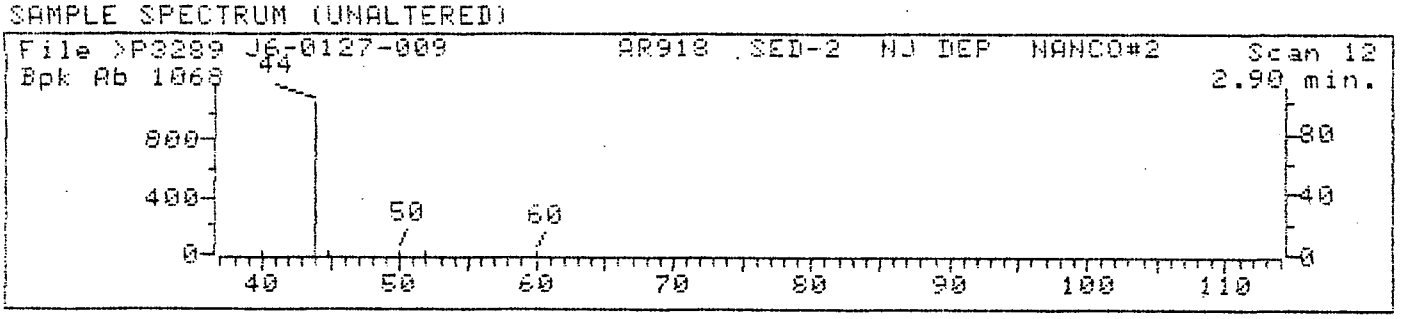
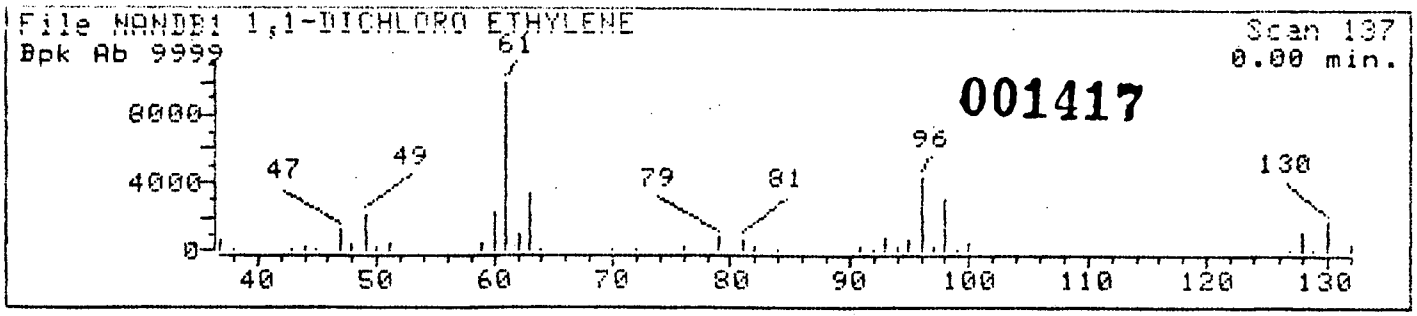
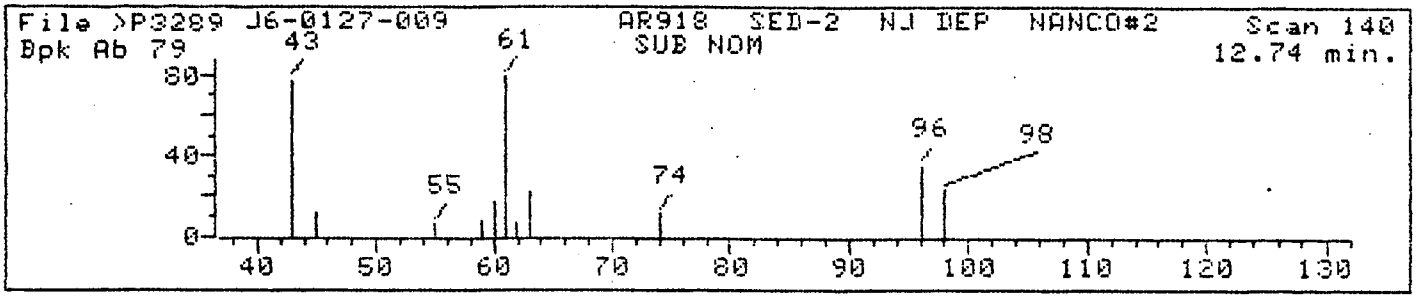


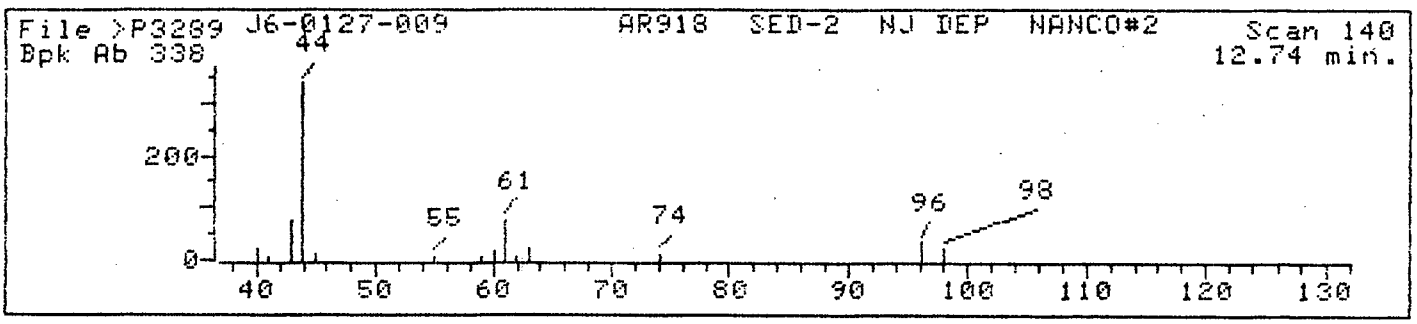
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 2
Compound Name: Chloromethane
Scan Number: 12
Retention Time: 2.90 min.
Area: 521
Concentration: 1.84 UG
q-value: 76

✓
DD



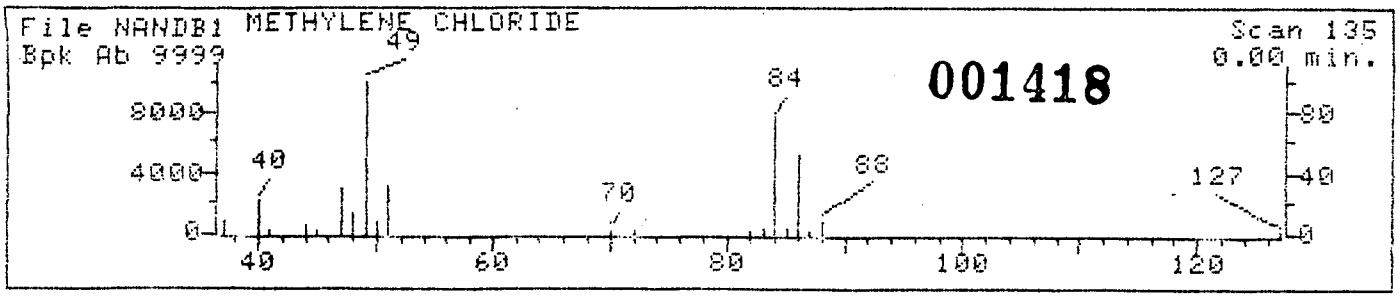




Data File: >P3289 :D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time:
Injected at: 860923 07:33
860923 03:0

Compound No: 9
Compound Name: 1,1 Dichloroethene
Scan Number: 140
Retention Time: 12.74
Area: 392
Concentration: 1.8

REFERENCE STANDARD SPECTRUM



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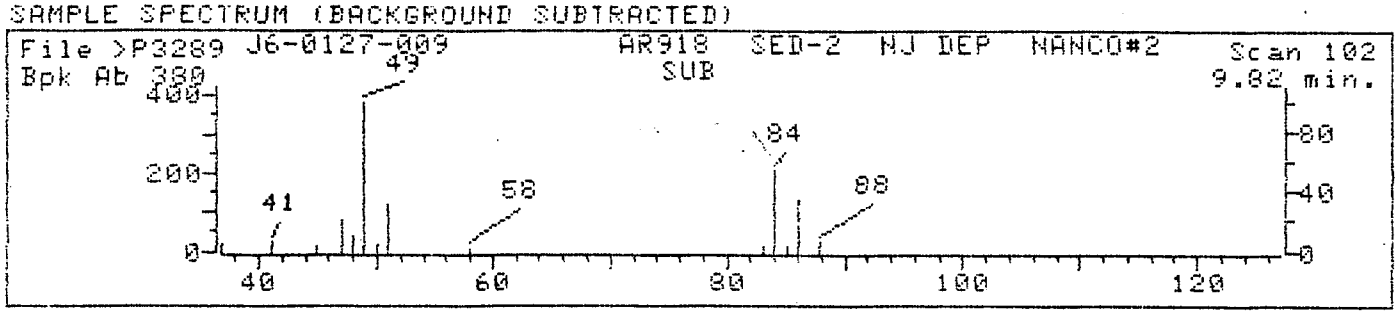

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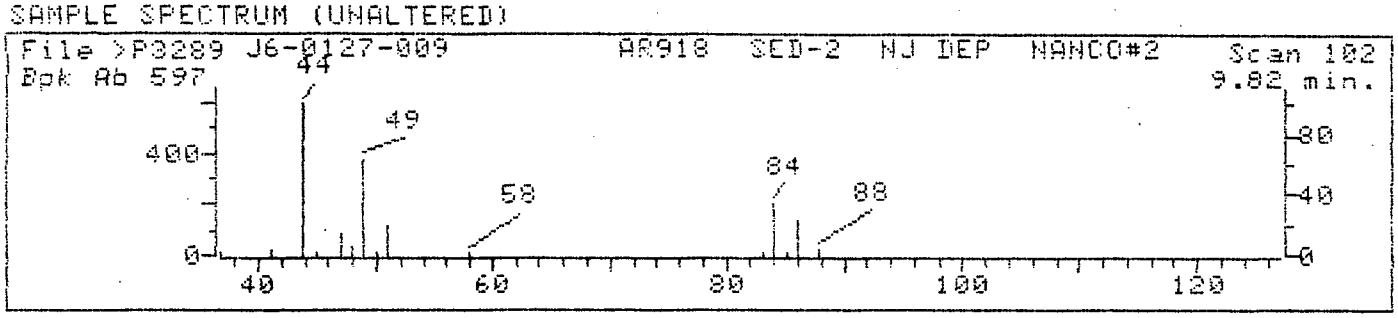
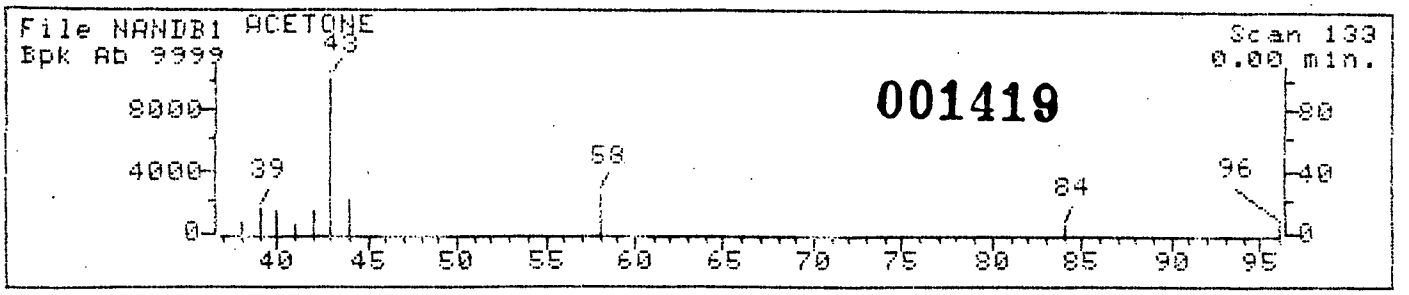


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 6
Compound Name: Methylene Chloride
Scan Number: 102
Retention Time: 9.82 min.
Area: 2810
Concentration: 6.48 UG.
q-value: 92

2b

REFERENCE STANDARD SPECTRUM



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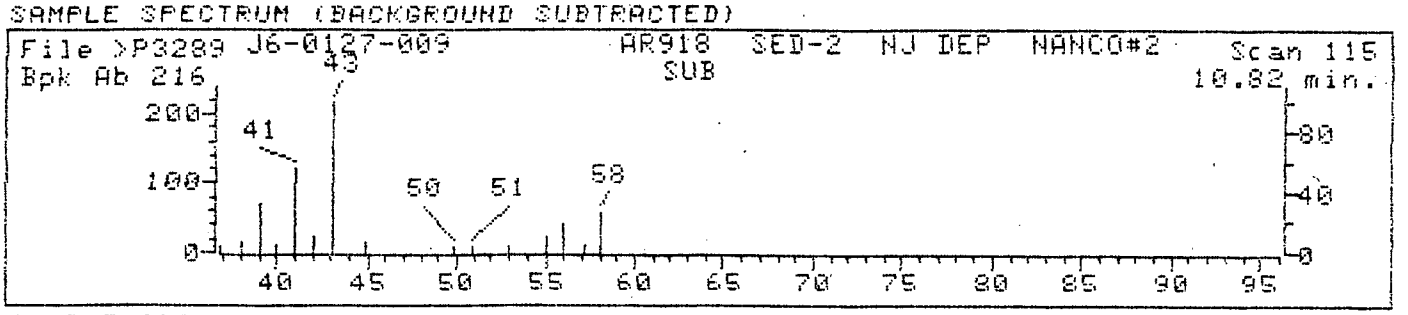

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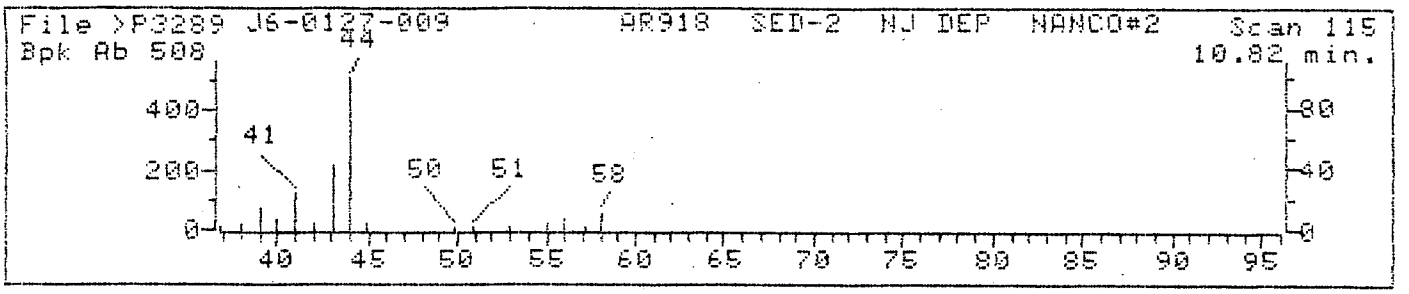
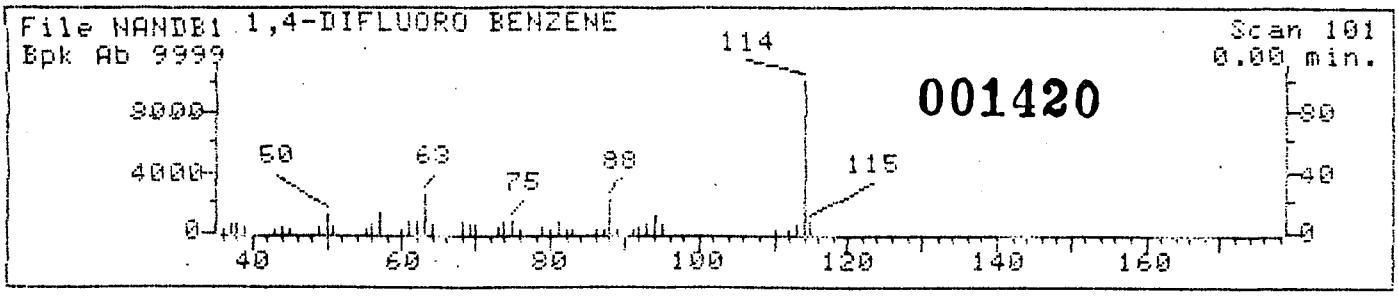


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 7
Compound Name: Acetone
Scan Number: 115
Retention Time: 10.82 min.
Area: 6696
Concentration: 28.14 UG
q-value: 66

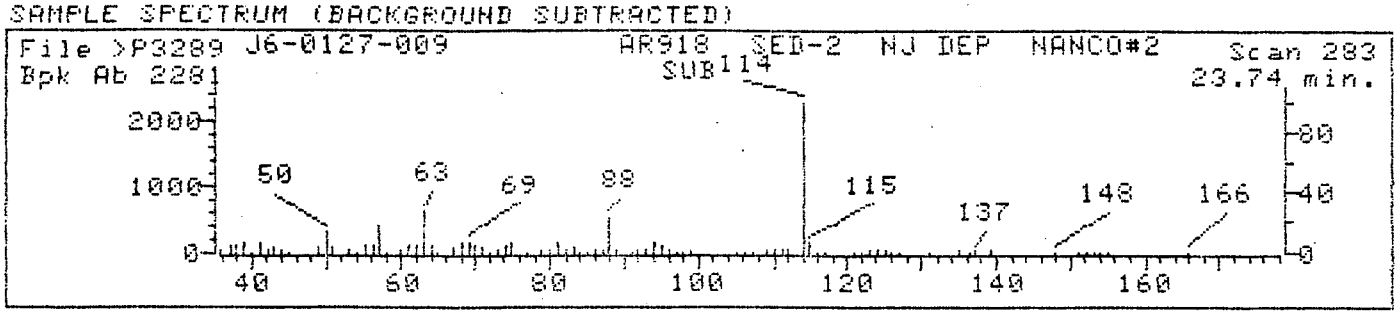
✓
00

REFERENCE STANDARD SPECTRUM

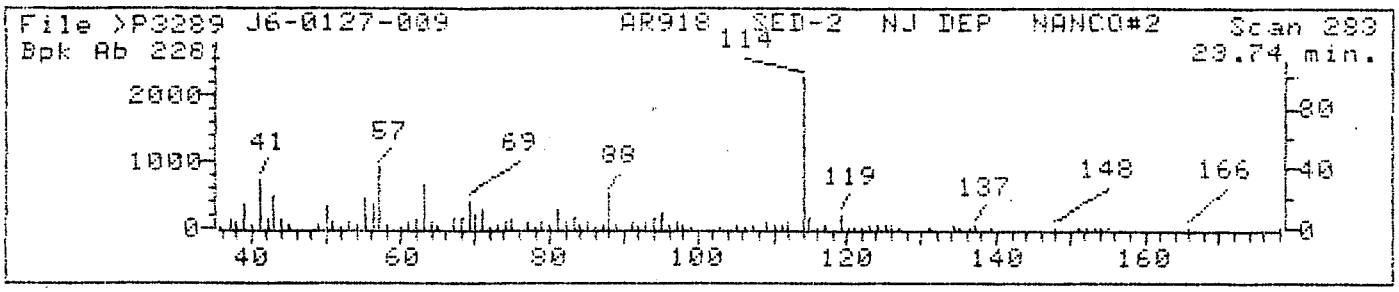


001420

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



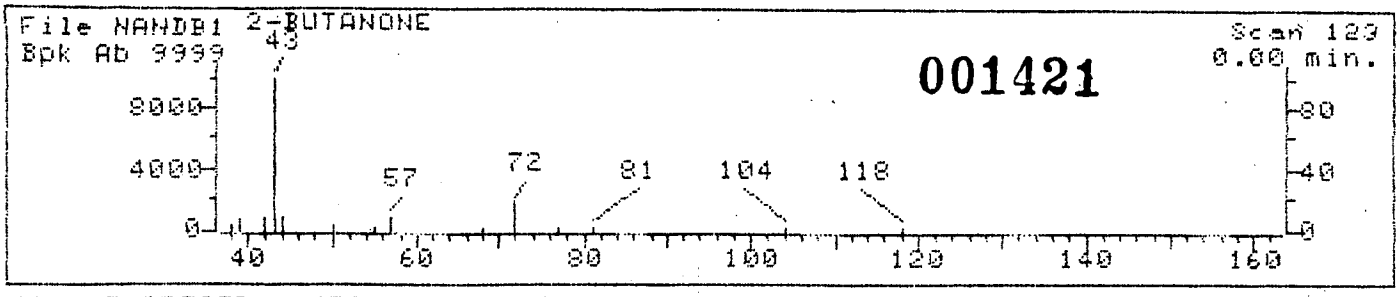
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 14 (ISTD)
Compound Name: 1,4-DIFLUOROBENZENE (ISTD)
Scan Number: 283
Retention Time: 23.74 min.
Area: 30916
Concentration: 50.00 UG
q-value: 99

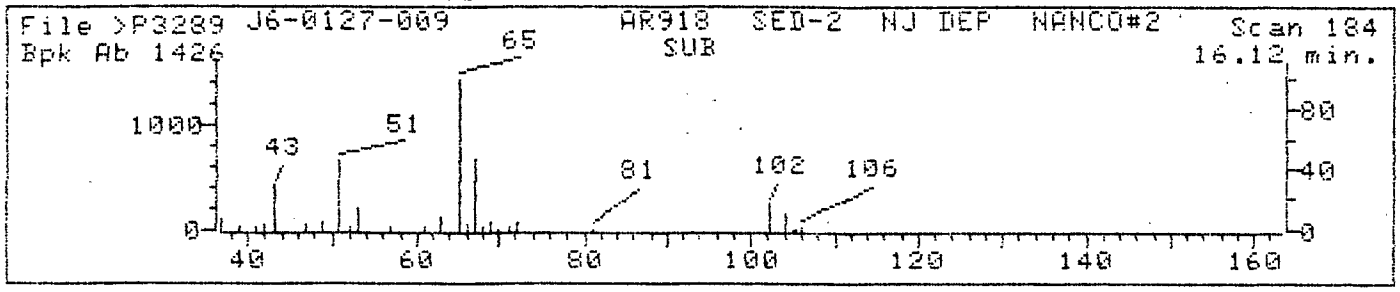
✓

20

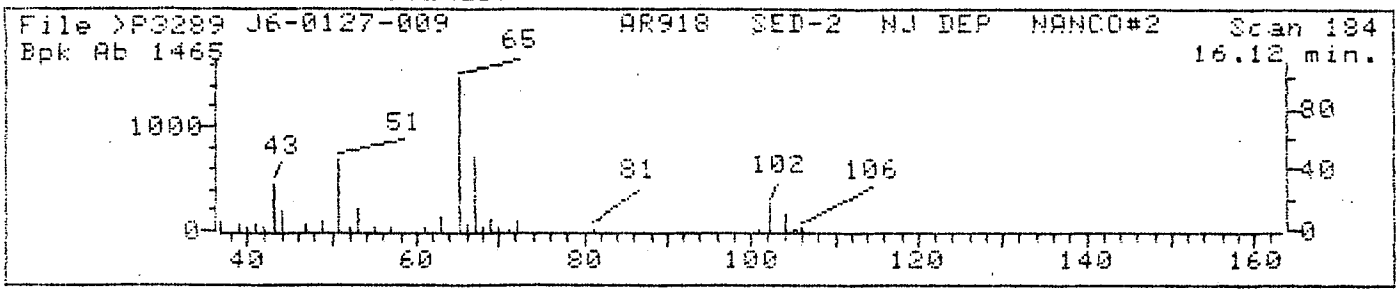
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

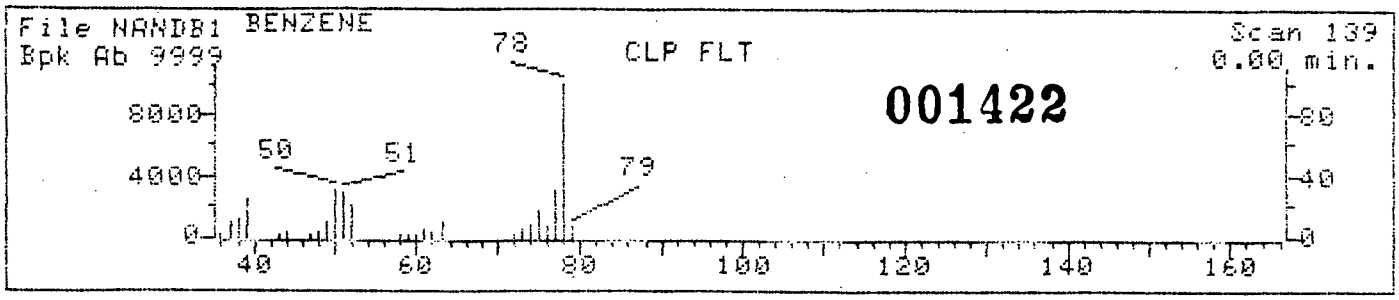


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

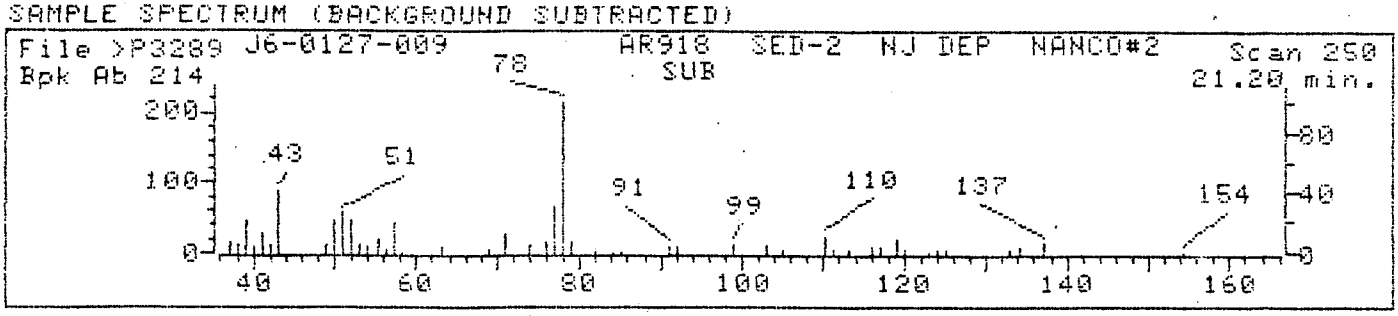
Compound No: 15
~~Compound Name: 2-Butanone~~ X
Scan Number: 184
Retention Time: 16.12 min.
Area: 1015
Concentration: 13.42 UG
a-value: 87

JD

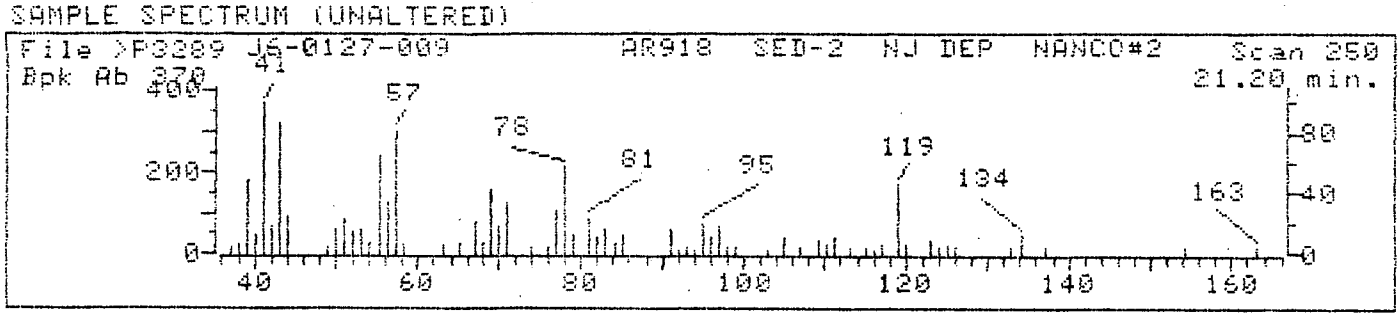
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



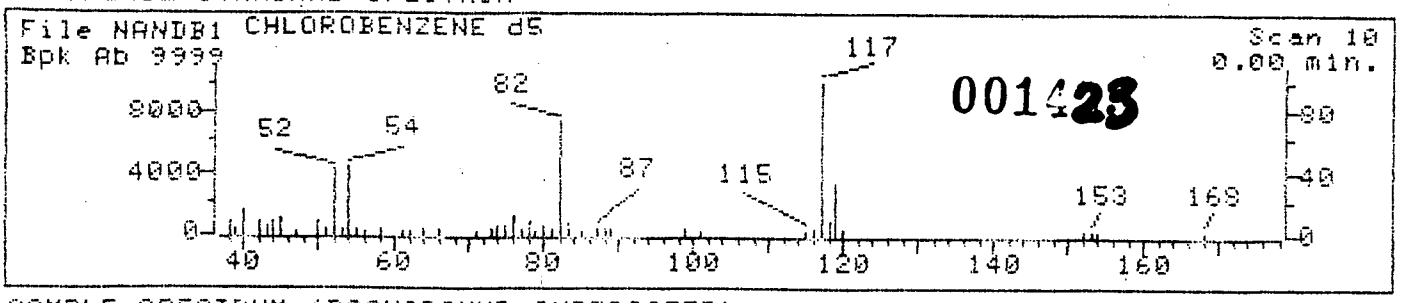
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 25
Compound Name: Benzene
Scan Number: 250
Retention Time: 21.20 min.
Area: 3689
Concentration: 4.47 UG
q-value: 93

✓

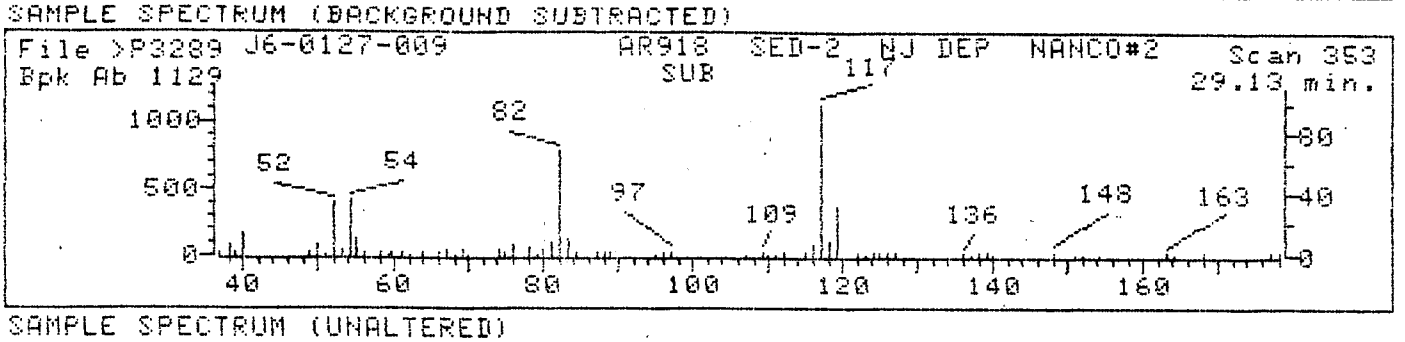
2b

REFERENCE STANDARD SPECTRUM

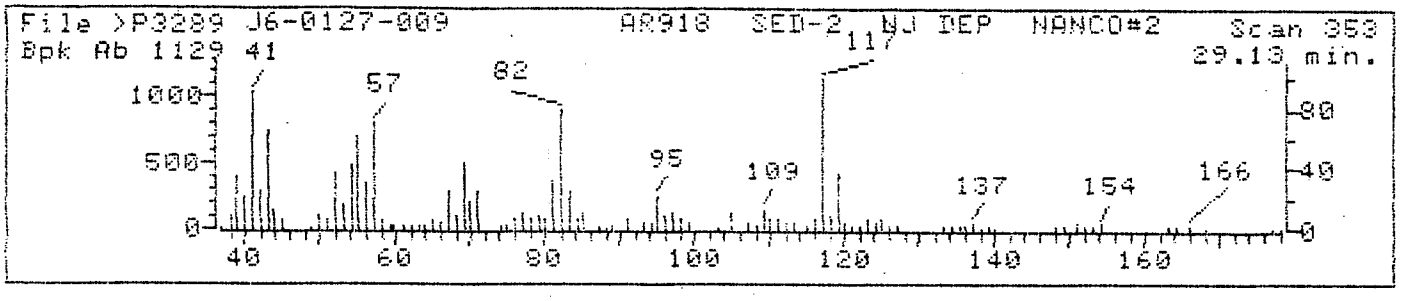


001423

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



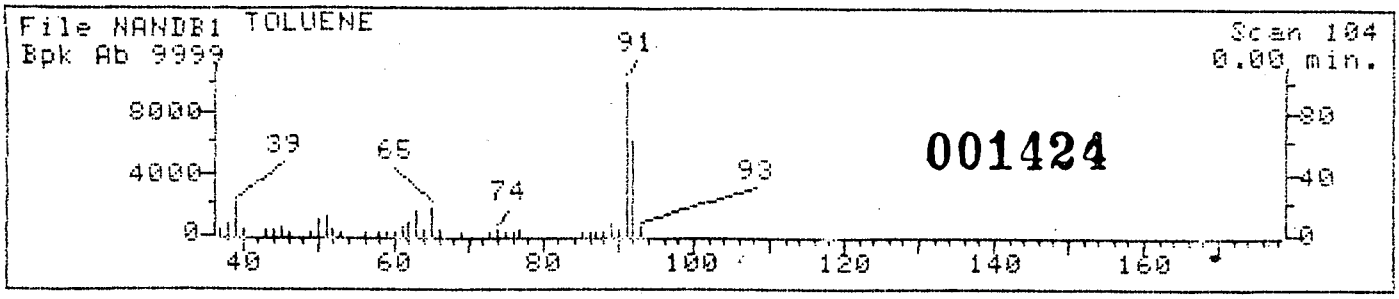
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 29 (ISTD)
Compound Name: CHLOROBENZENE-d5 (ISTD)
Scan Number: 353
Retention Time: 29.13 min.
Area: 22031
Concentration: 50.00 UG
a-value: 96

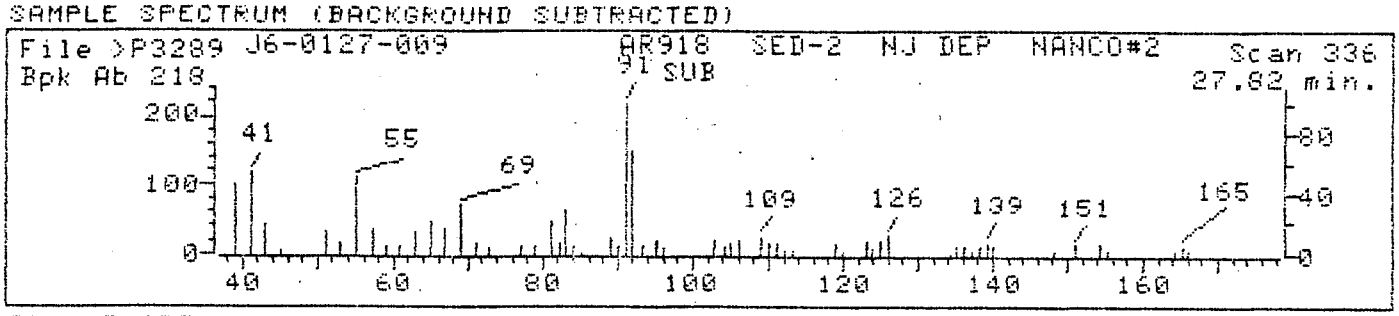
✓

OD

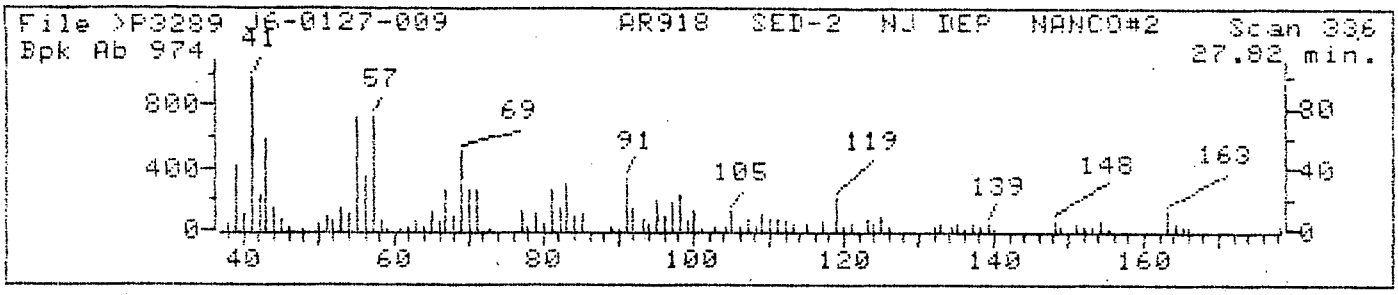
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



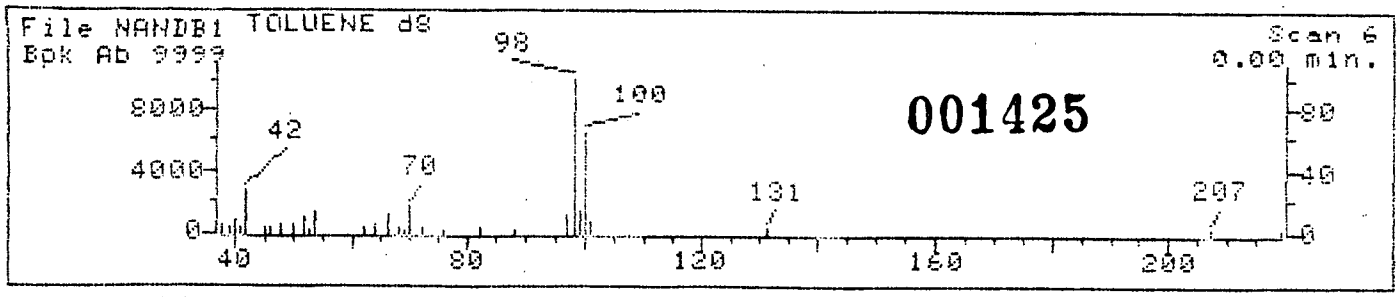
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 34
Compound Name: Toluene
Scan Number: 336
Retention Time: 27.82 min.
Area: 2878
Concentration: 5.56 UG
q-value: 84

✓

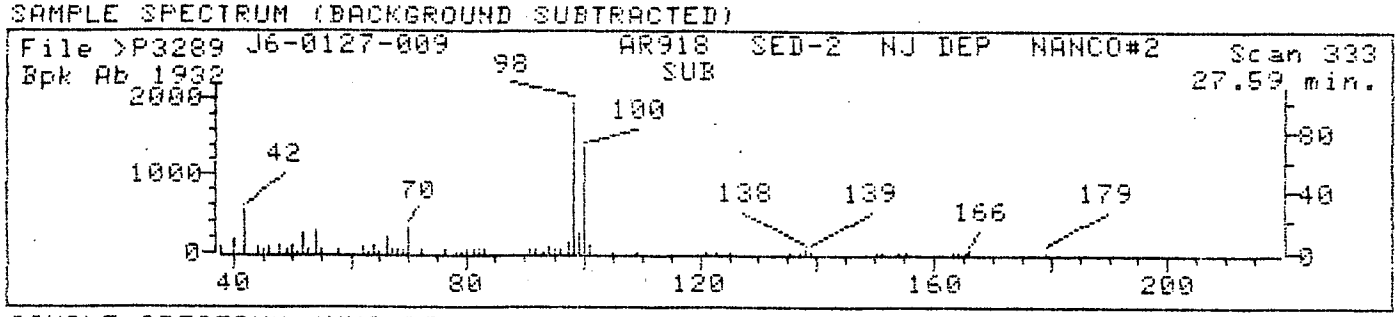
OD

REFERENCE STANDARD SPECTRUM

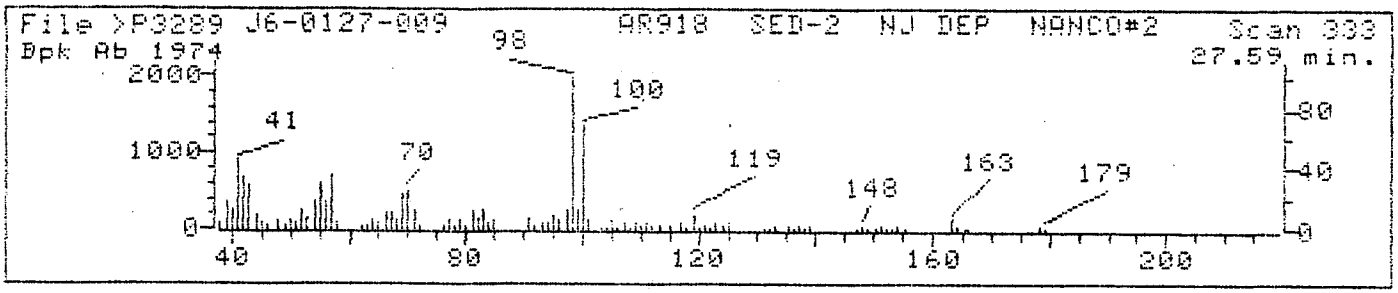


001425

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

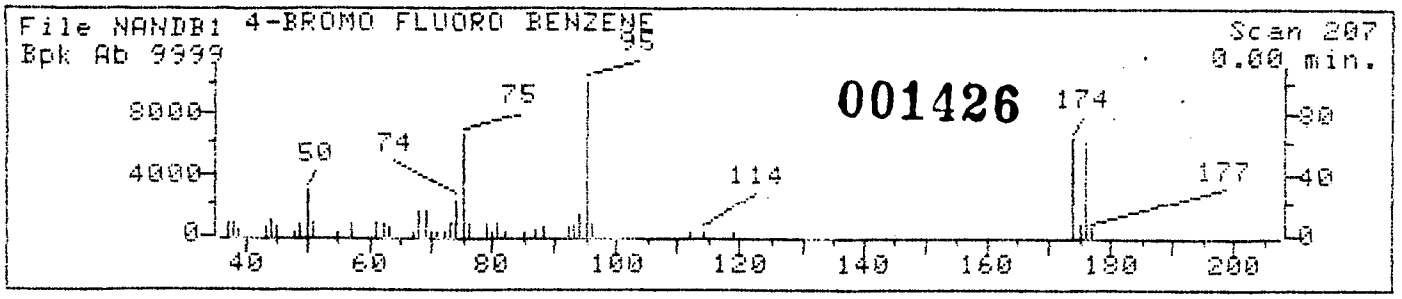


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

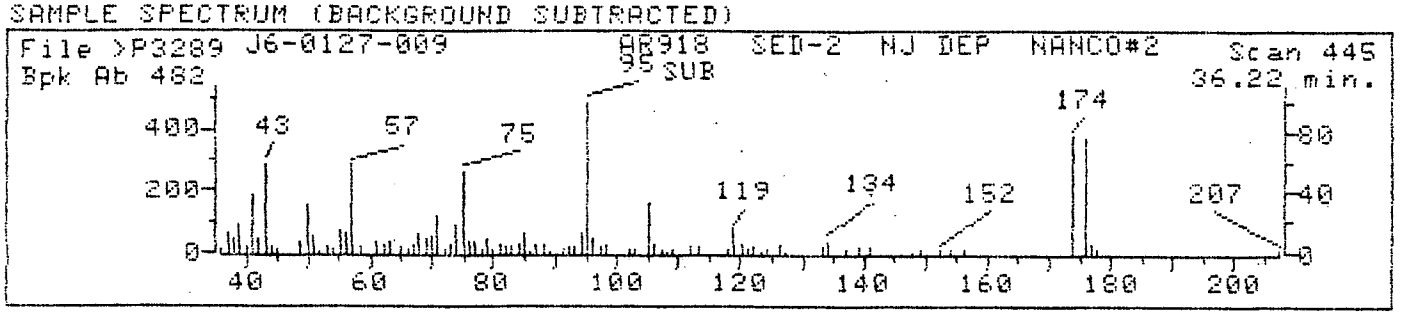
Compound No: 39
Compound Name: TOLUENE-d8 (a Surrog.)
Scan Number: 333
Retention Time: 27.59 min.
Area: 29807
Concentration: 49.49 UG
q-value: 97

✓
8D

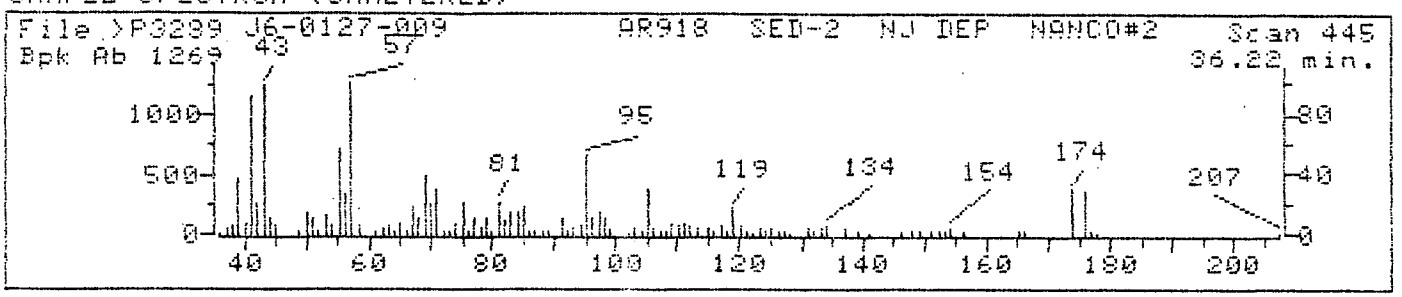
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



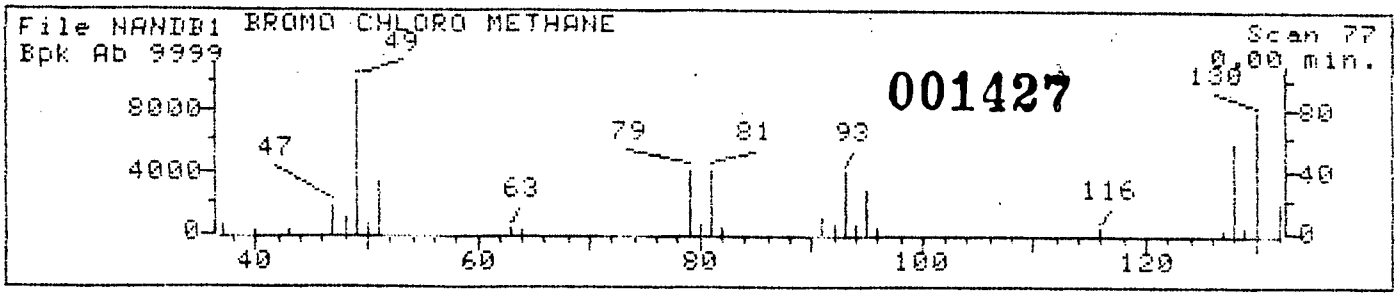
SAMPLE SPECTRUM (UNALTERED)



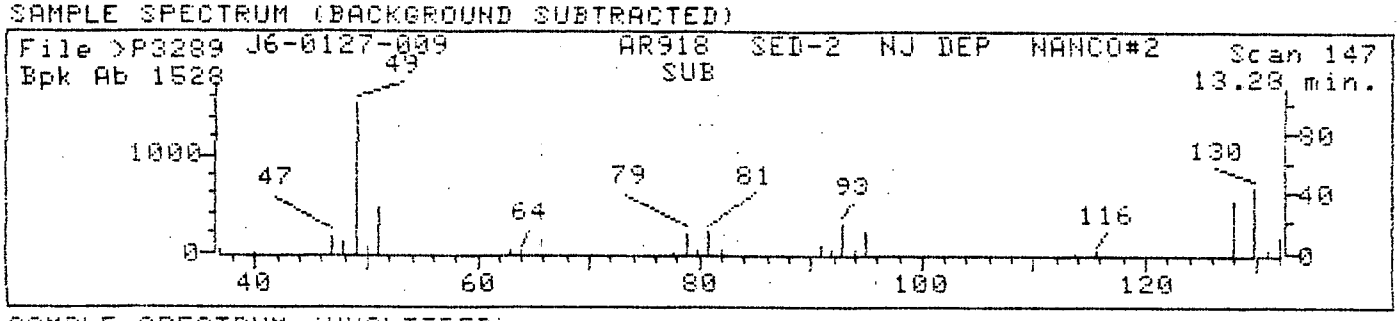
Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 40
Compound Name: 4-BROMOFLUOROBENZENE (a Surrg)
Scan Number: 445
Retention Time: 36.22 min.
Area: 17737
Concentration: 45.81 UG
a-value: 90

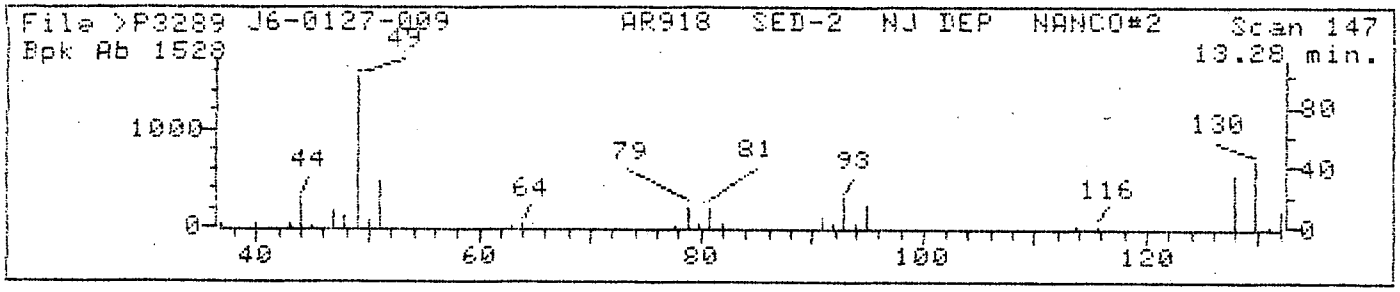
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

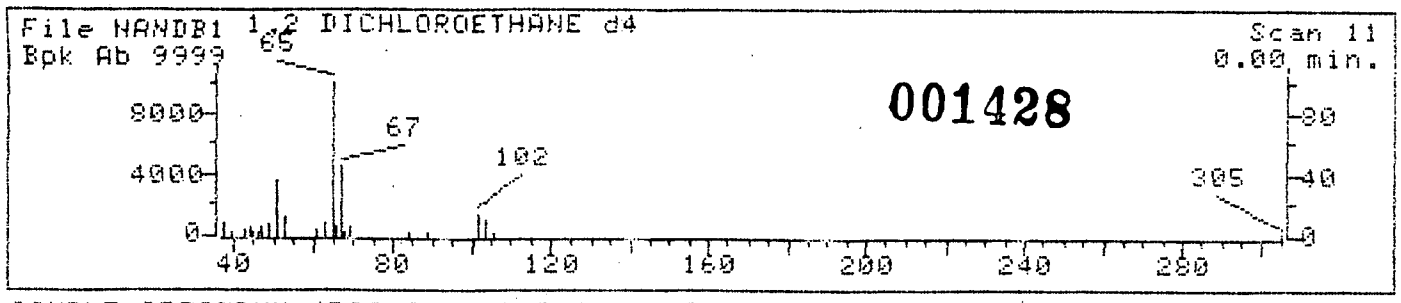


Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 41 (ISTD)
Compound Name: [BROMOCHLOROMETHANE (ISTD)]
Scan Number: 147
Retention Time: 13.28 min.
Area: 7251
Concentration: 50.00 UG
q-value: 60

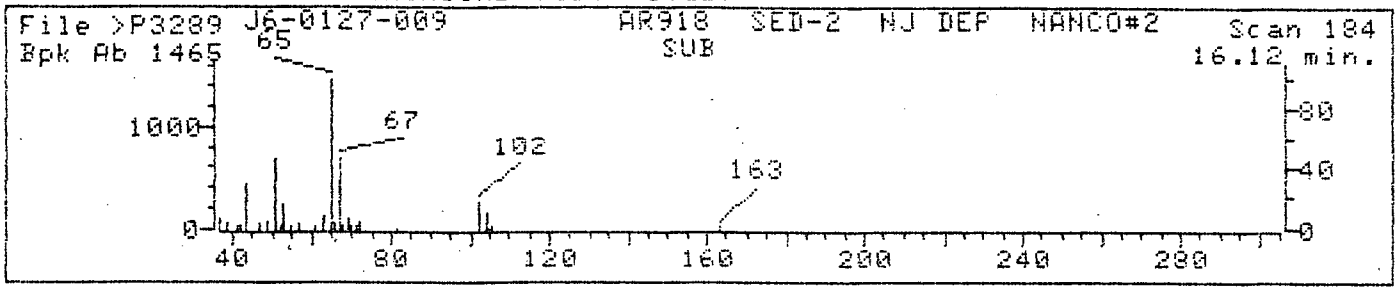
✓
JP

REFERENCE STANDARD SPECTRUM

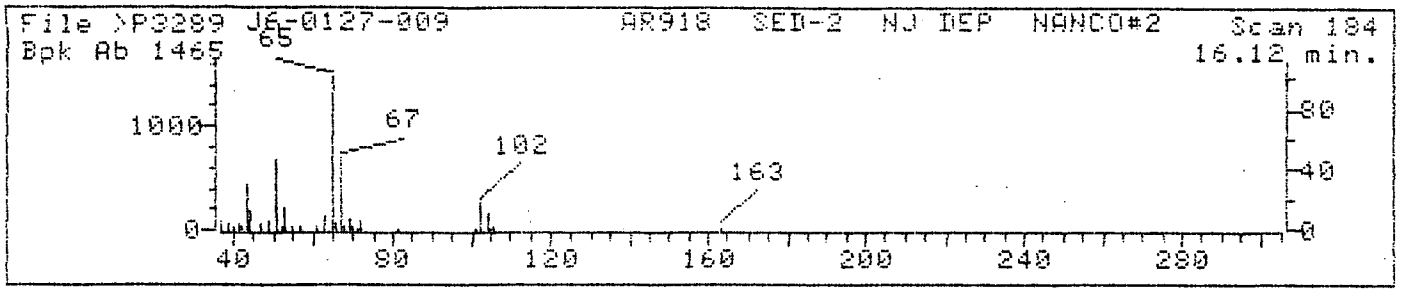


001428

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P3289::D2
Name: J6-0127-009
Misc: AR918 SED-2 NJ DEP NANCO#2
Quant Time: 860923 07:33
Injected at: 860923 03:10

Compound No: 42
Compound Name: 1,2-DICHLOROETHANE-d4 (Surrog)
Scan Number: 184
Retention Time: 16.12 min.
Area: 18909
Concentration: 49.60 UG
q-value: 94

MS data file header from : >P3289

001429

Sample: J6-0127-009 Operator: DALY MS 9/23/86 3:10
Misc : AR918 SED-2 NJ DEP NANCO#2
Sys. #: 2 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH03 Tuning file: MT9002 No. of extra records: 1
Source temp.: 165 Analyzer temp.: 180 Transfer line temp. : 200

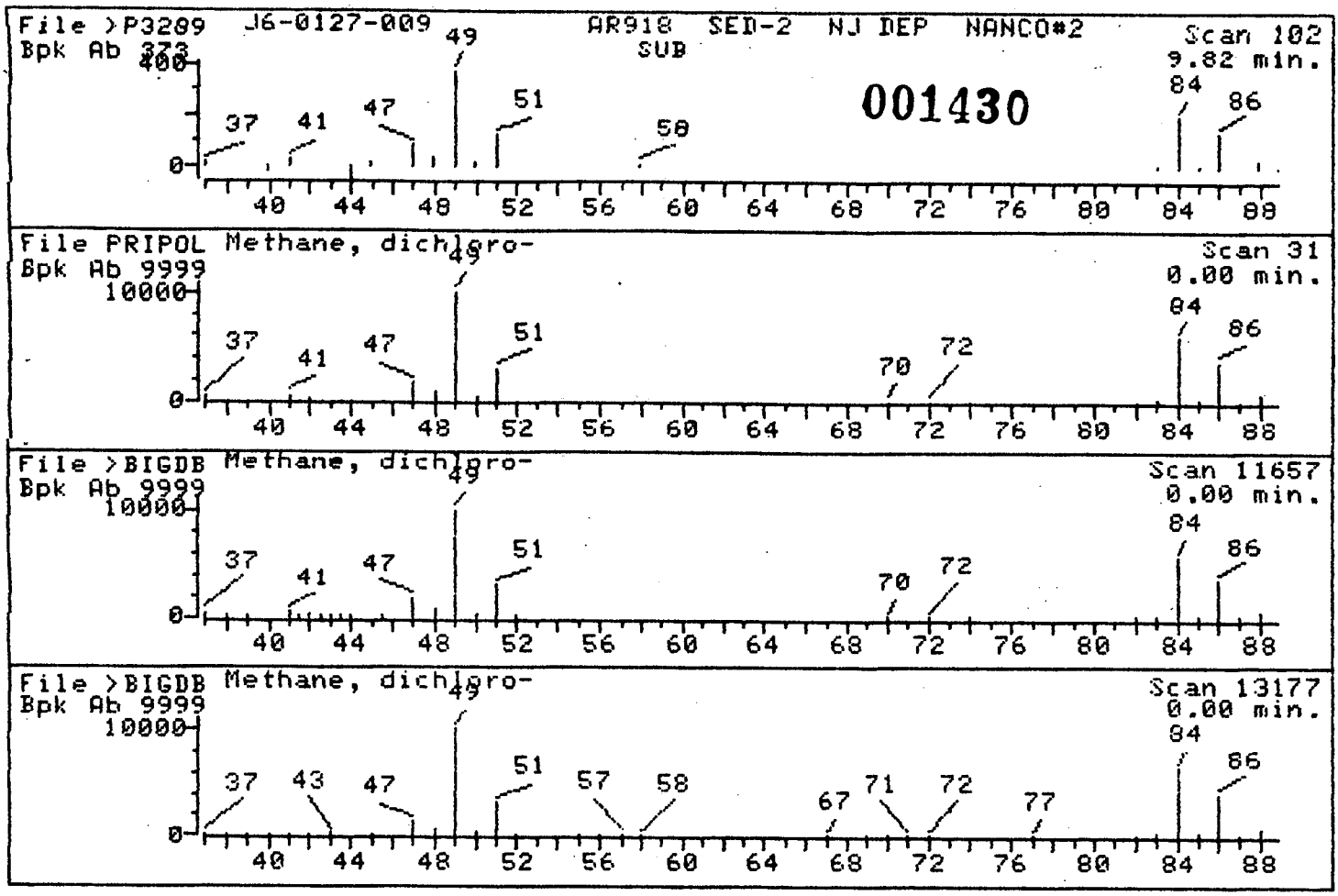
Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	22.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	8.0	0.0	0.0	0.0	0.0

>P3289 J6-0127-009 AR918 SED-2 NJ DEP NANCO#2
35.01 260.0 TIC

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	9.818	99	102	107	1069	37719	15495	12.19	2.880
2	10.664	109	113	122	773	56685	20928	16.46	3.890
3	12.741	136	140	143	285	16408	4199	3.30	.781
4	13.279	143	147	153	4933	79482	65729	51.71	12.218
5	14.125	156	158	167	112	15351	3525	2.77	.655
6	16.125	178	184	190	4763	83525	67685	53.24	12.581
7	17.587	194	203	204	458	36467	10940	8.61	2.034
8	18.972	214	221	222	429	57863	10697	8.41	1.988
9	19.510	224	228	230	511	61902	10402	8.18	1.934
10	23.744	280	283	287	6857	316730	120419	94.73	22.383
11	27.593	330	333	344	6132	704290	127120	100.00	23.629
12	29.133	349	353	358	4278	480807	80846	63.60	15.028

Sum of corrected areas: 537985.

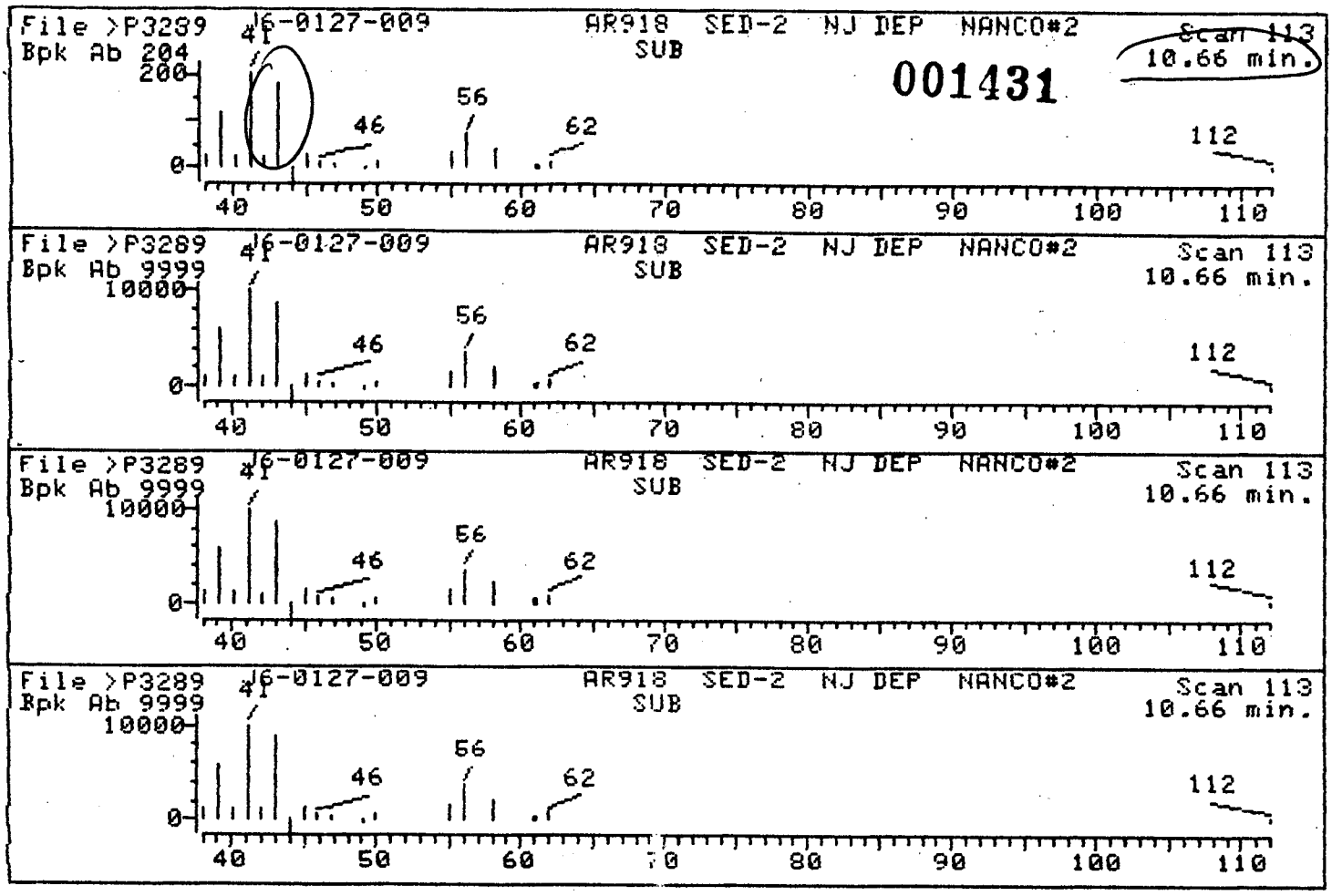
13	30.596	368	372	391	1732	1657731	1488541	100.00
14	32.675	391	399	417	2169	1212033	1268869	100
15	36.217	417	445	450	5540	1684744	307366	100
16	39.066	450	482	533	9977	5782656	1938803	100
17	45.457	533	565	588	4757	3047558	816060	100



1. Methane, dichloro-		84 CH2Cl2
2. Methane, dichloro-		84 CH2Cl2
3. Methane, dichloro-		84 CH2Cl2
4. Methane, dichloro-		84 CH2Cl2
5. Methane, dichloro-		84 CH2Cl2

Sample file: >P3289 Spectrum #: 102
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	93*	31	112	PRIPOL	85	18	1	0	92	0	68	83
2.	93*	75092	11657	"BIGDB	85	18	1	0	92	0	68	83
3.	81*	75092	13177	"BIGDB	67	32	2	0	83	6	53	46
4.	81*	29	127	PRIPOL	67	32	2	0	83	6	53	46
5.	76*	75092	11656	"BIGDB	57	63	3	0	86	9	45	22



Sample file: >P3289 Spectrum #: 113

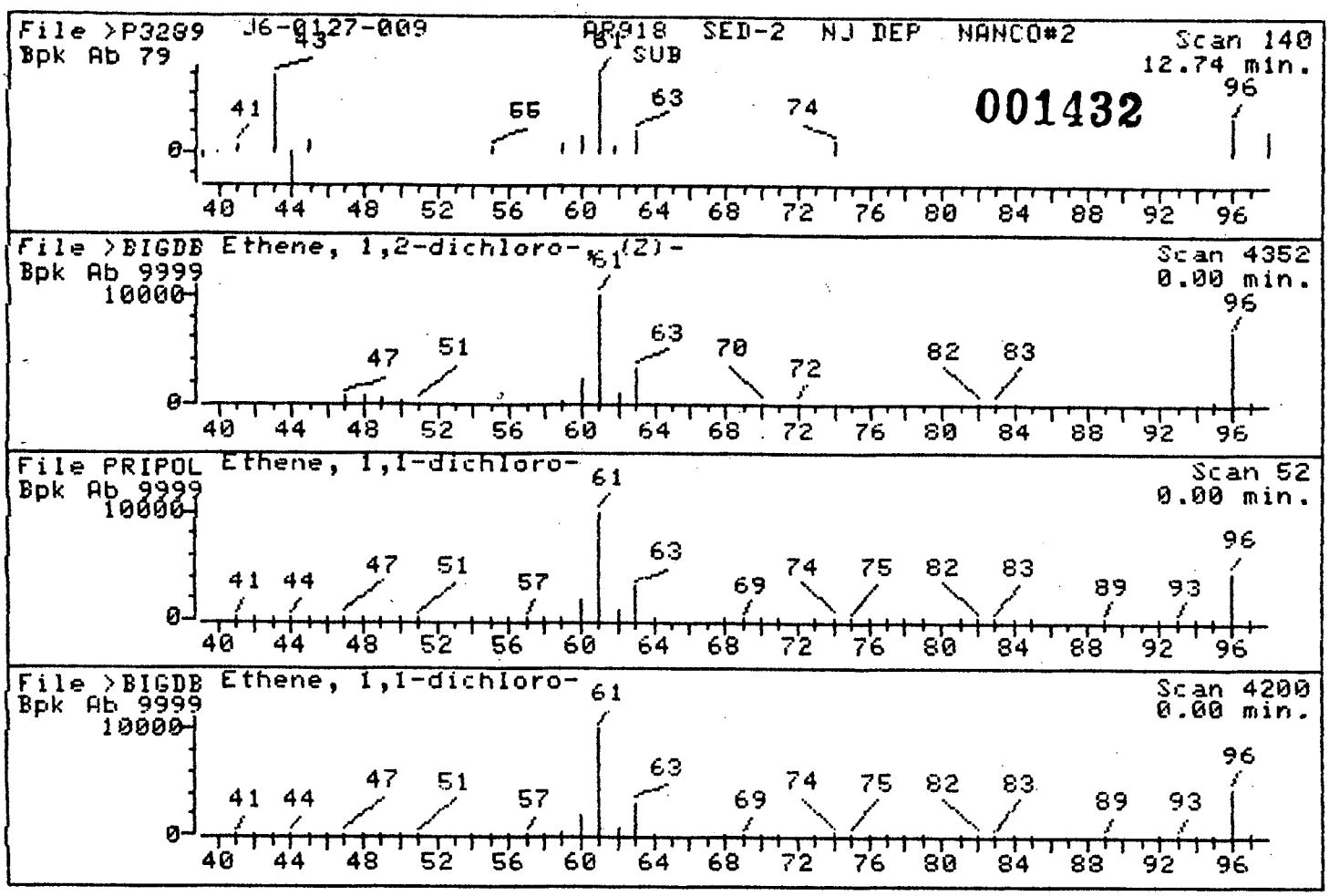
2

No data base entries were retrieved.

acetone

✓

JD



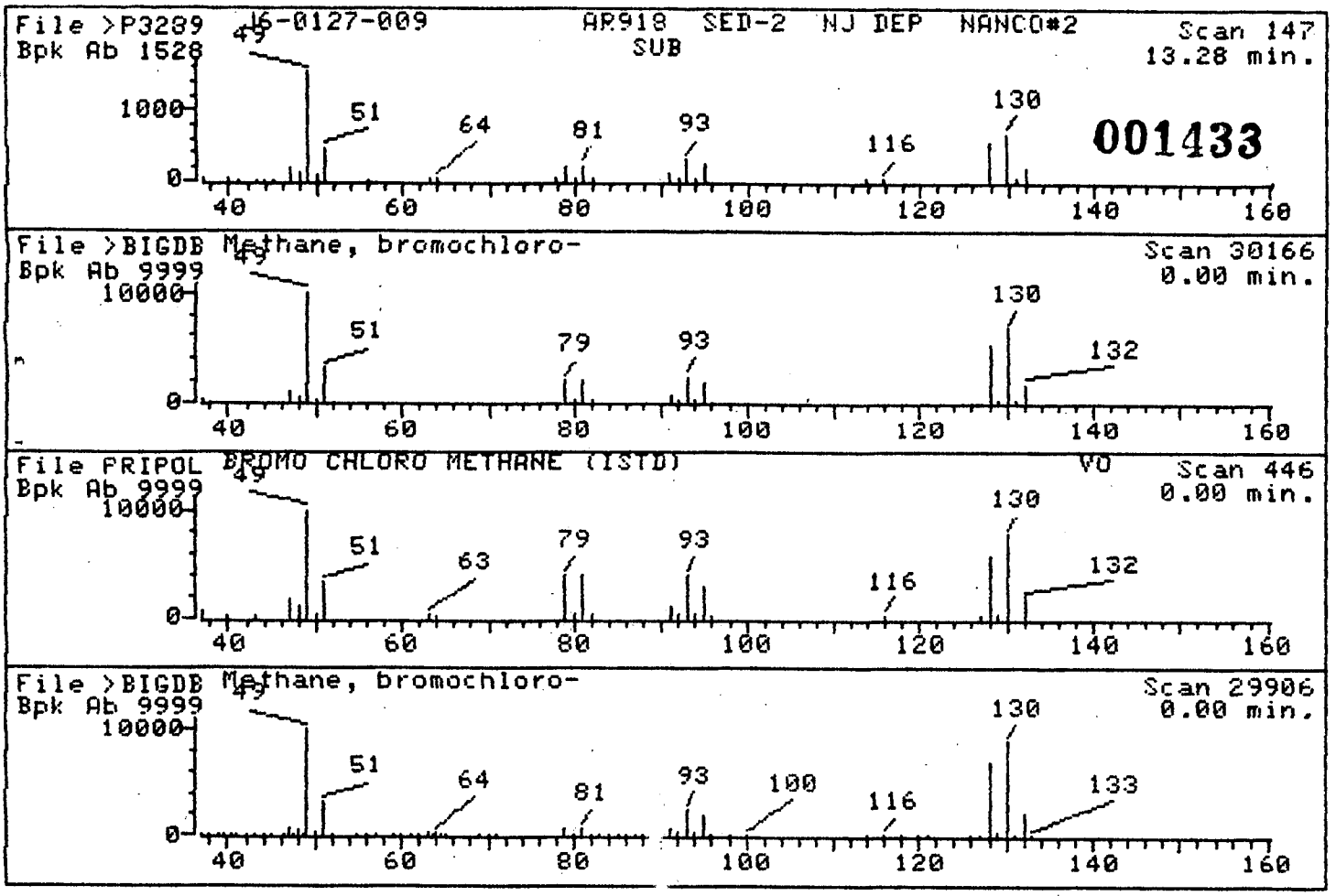
1. Ethene, 1,2-dichloro-, (Z)- 96 C2H2Cl2
2. Ethene, 1,1-dichloro- 96 C2H2Cl2
3. Ethene, 1,1-dichloro- 96 C2H2Cl2
4. Ethene, 1,2-dichloro-, (E)- 96 C2H2Cl2
5. Ethene, 1,2-dichloro-, (E)- 96 C2H2Cl2

1,1 dichloro ethe

3

Sample file: >P3289 Spectrum #: 140
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

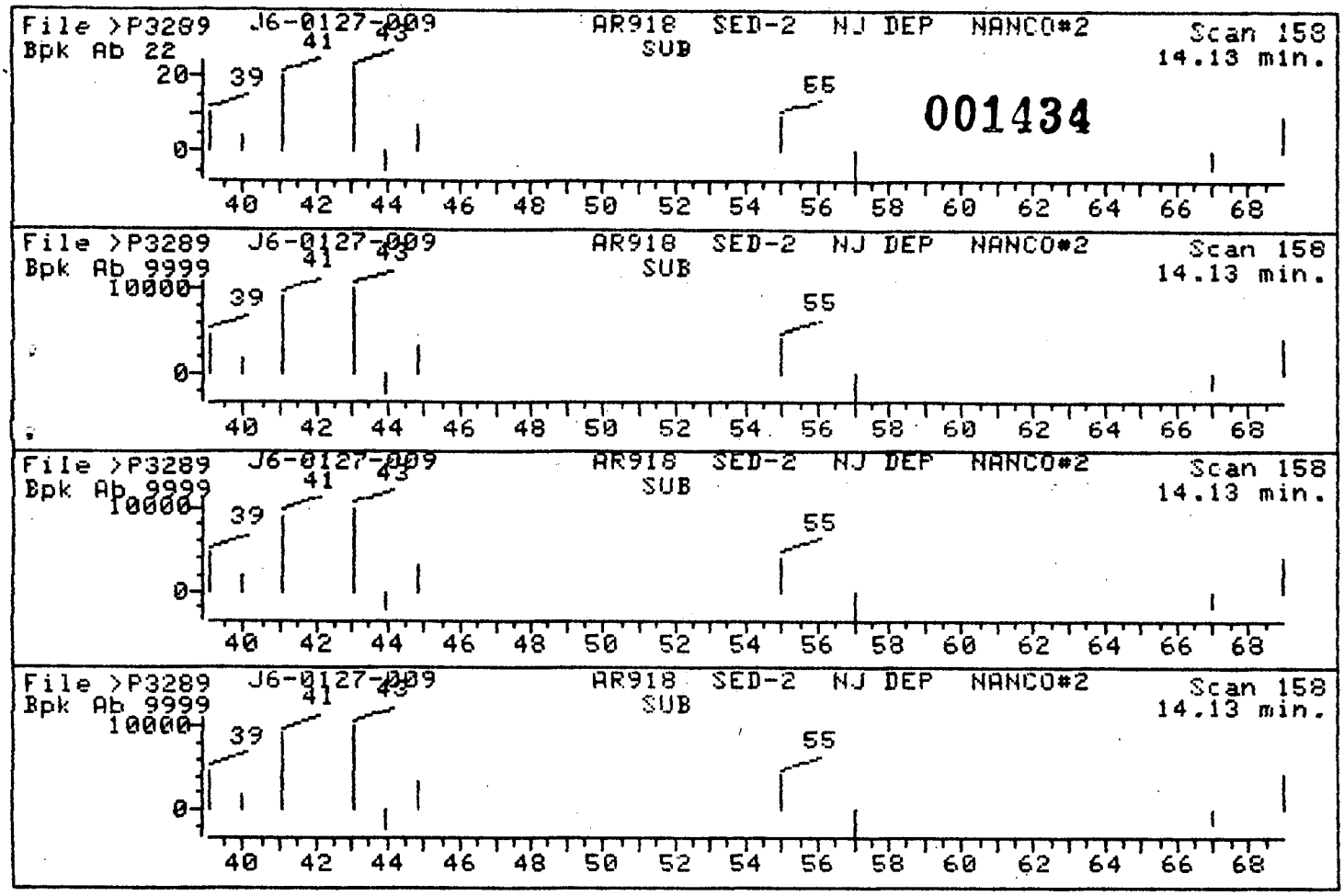
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
* 1.	42*	156592	4352	"BIGDB	54	68	2	0	68	37	17	31
2.	42*	52	20	PRIPOL	49	48	2	0	91	35	16	25
3.	42*	75354	4200	"BIGDB	49	48	2	0	91	35	16	25
4.	29*	56	22	PRIPOL	45	74	2	0	71	37	10	15
5.	29*	156605	4353	"BIGDB	45	74	2	0	71	37	10	15



1. Methane, bromochloro- 128 CH2BrCl
2. BROMO CHLORO METHANE (ISTD) VO 128 CH2BrCl
A INTERNAL STANDARD
3. Methane, bromochloro- 128 CH2BrCl

Sample file: >P3289 Spectrum #: 147
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	74975	30166	"BIGDB	87	26	1	0	65	22	47	86
2.	51*	446	204	PRIPOL	51	60	0	0	32	50	14	61
3.	32*	74975	29906	"BIGDB	38	59	2	0	48	35	12	15



Sample file: >P3289 Spectrum #: 158

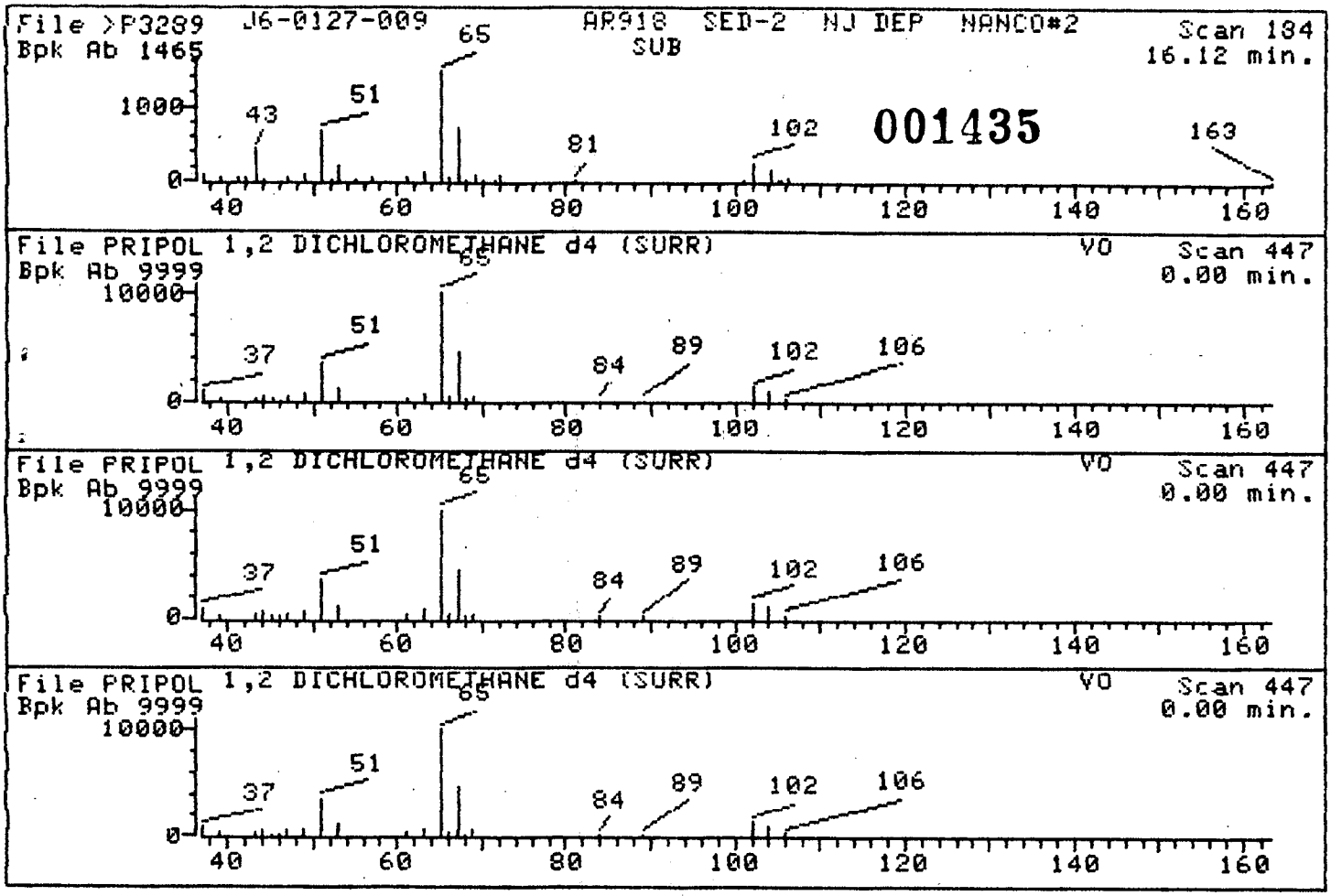
No data base entries were retrieved.

J-

710% of IS

Y

JP

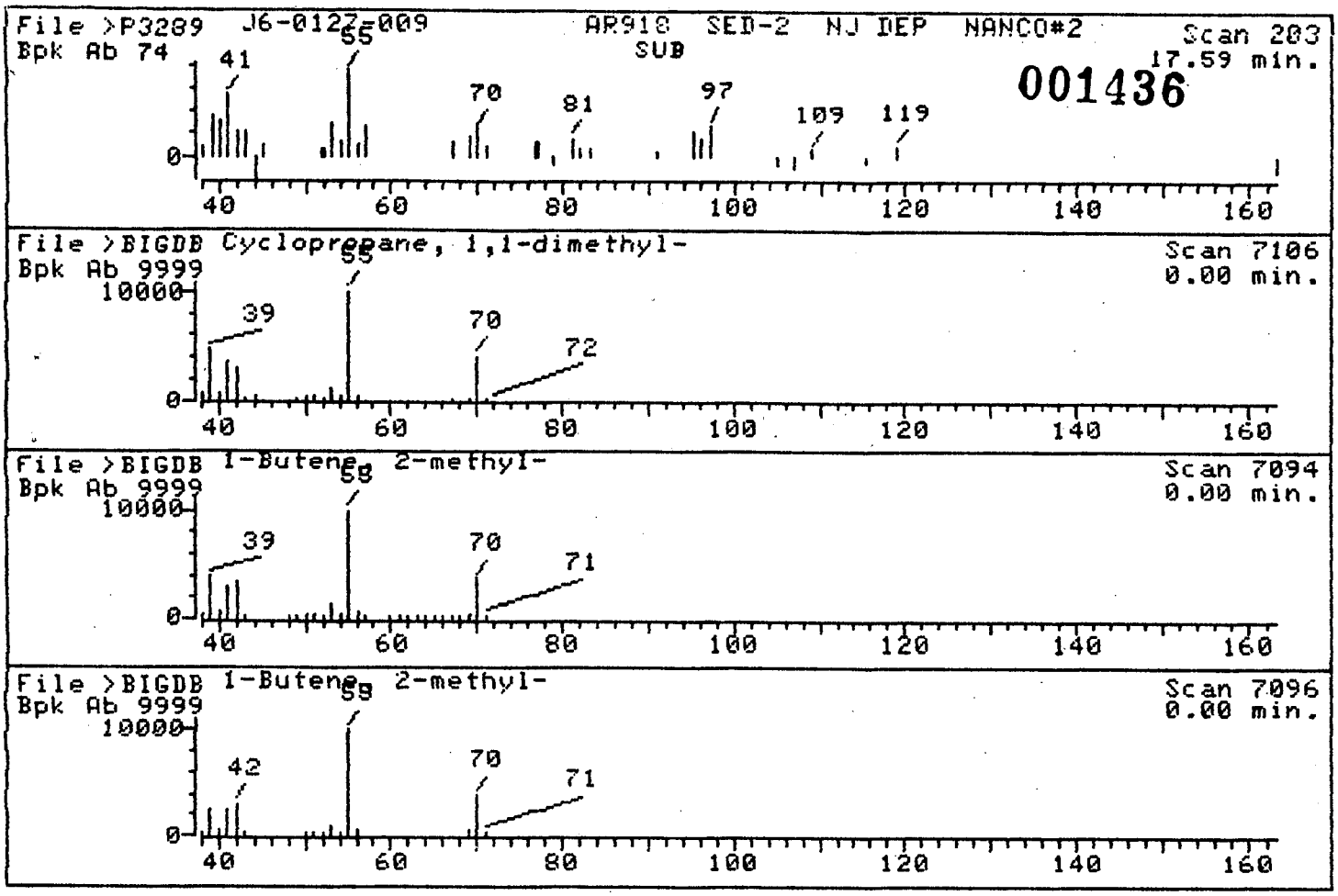


1. 1,2 DICHLOROMETHANE d4 (SURR) VO 102
LATILE SURROGATE

6

Sample file: >P3289 Spectrum #: 184
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

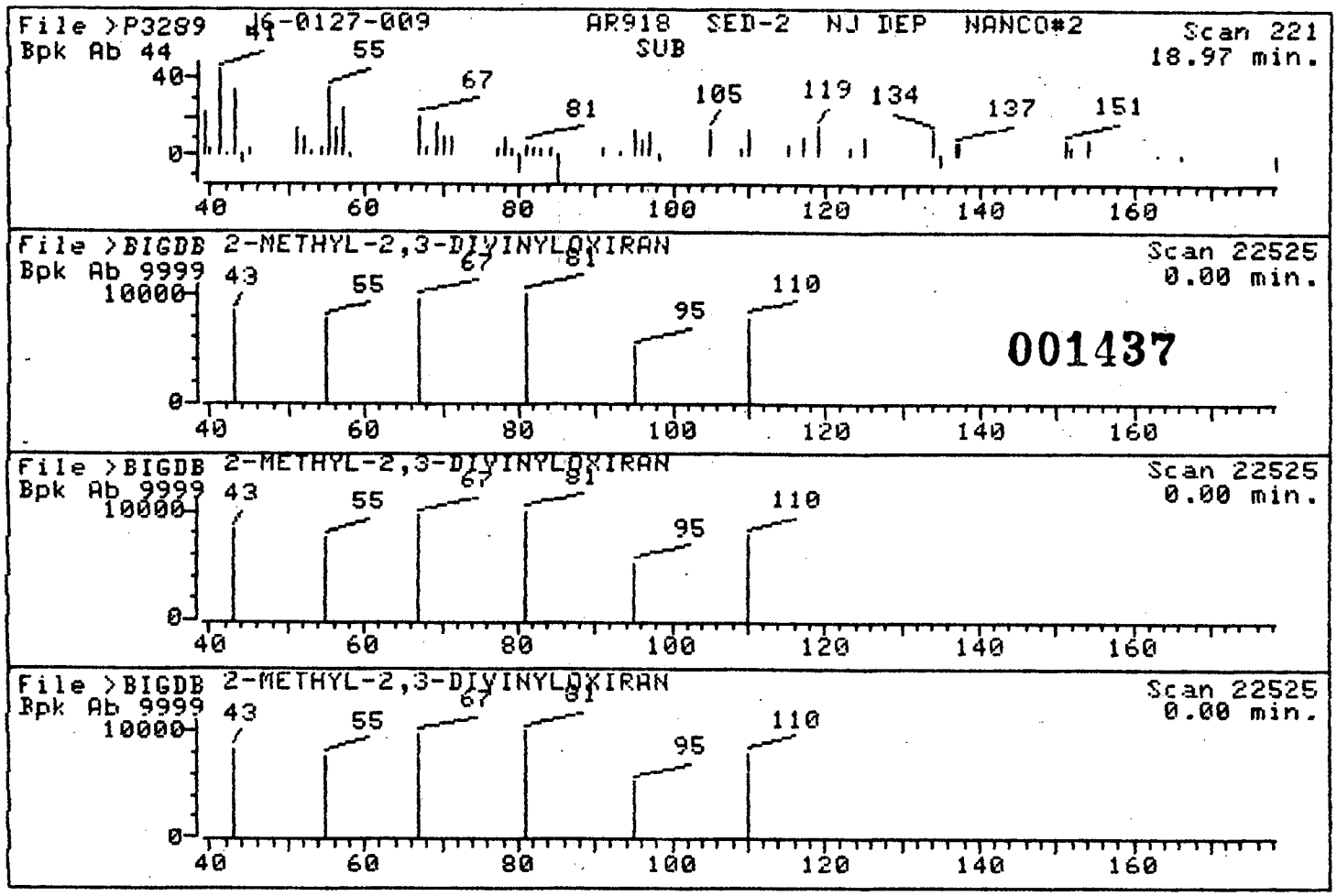
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	447	64	PRIPOL	59	41	2	0	100	2	60	36



1. Cyclopropane, 1,1-dimethyl- 70 C5H10
2. 1-Butene, 2-methyl- 70 C5H10
3. 1-Butene, 2-methyl- 70 C5H10
4. 1-Butene, 2-methyl- 70 C5H10
5. 1-Butene, 3-methyl- 70 C5H10

Sample file: >P3289 Spectrum #: 203
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	29*	1630940	7106	"BIGDB	35	57	2	0	77	41	8	17
2.	26*	563462	7094	"BIGDB	29	56	2	0	84	41	8	14
3.	25*	563462	7096	"BIGDB	22	57	2	0	84	50	7	13
4.	25*	563462	6785	"BIGDB	21	59	0	0	72	50	7	15
5.	25*	563451	6783	"BIGDB	21	59	0	0	98	50	7	15



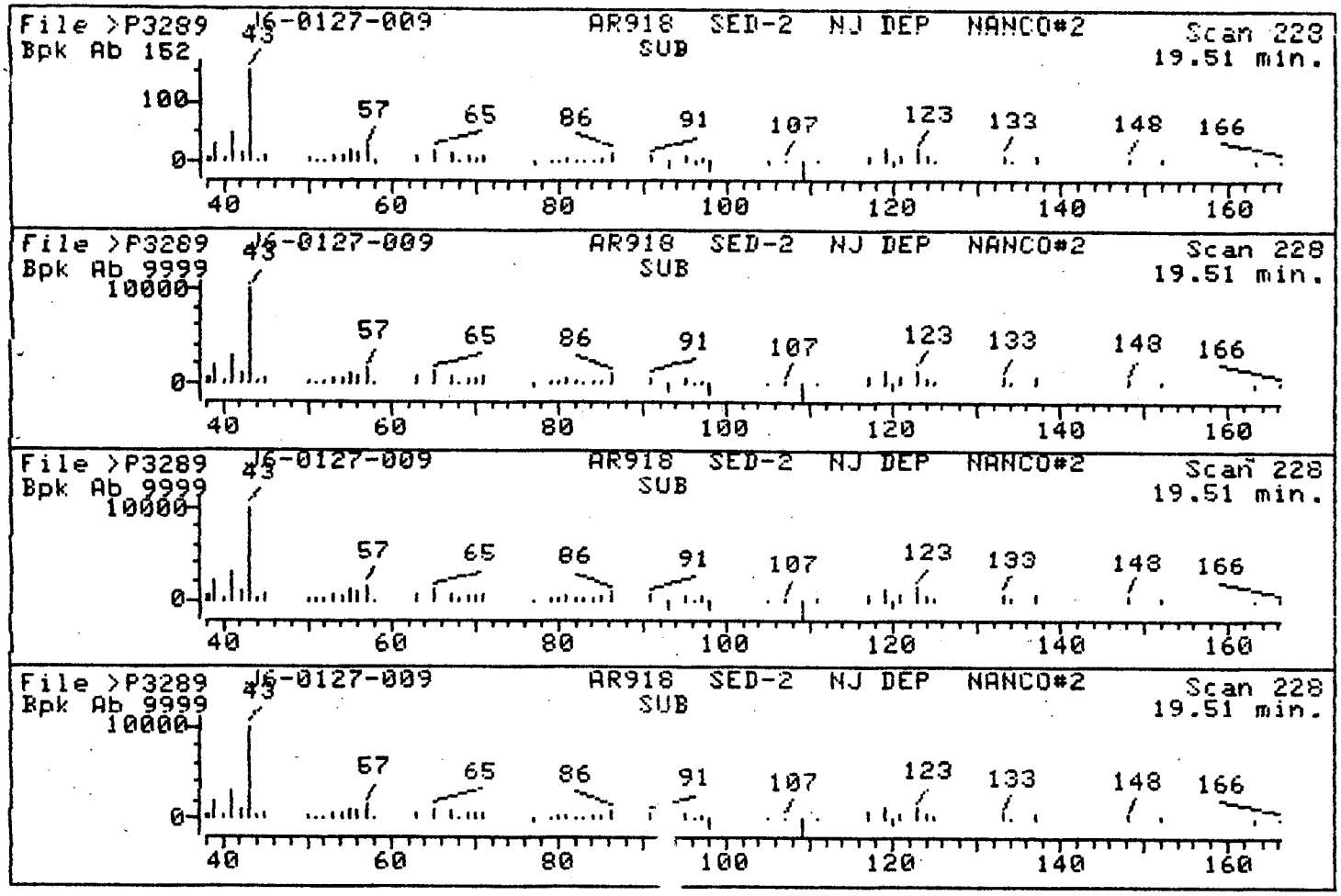
710% of IS

1. 2-METHYL-2,3-DIVINYLOXIRAN 110 C7H10O

20

Sample file: >P3289 Spectrum #: 221
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	11*	0	22525	"BIGDB	35	22	1	0	37	61	2	19



Sample file: >P3289 Spectrum #: 228

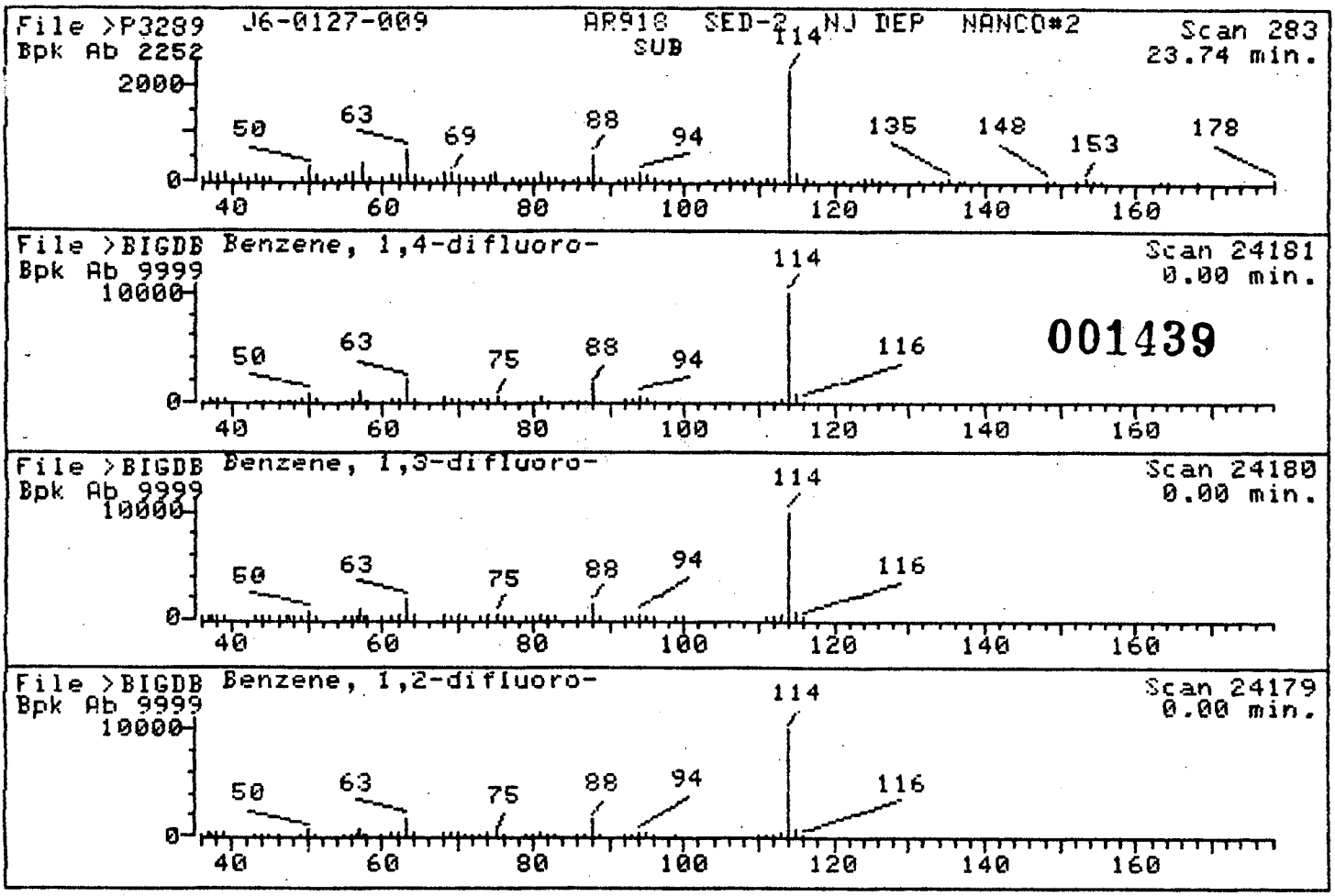
No data base entries were retrieved.

9

710% of IS

Y

JD



001439

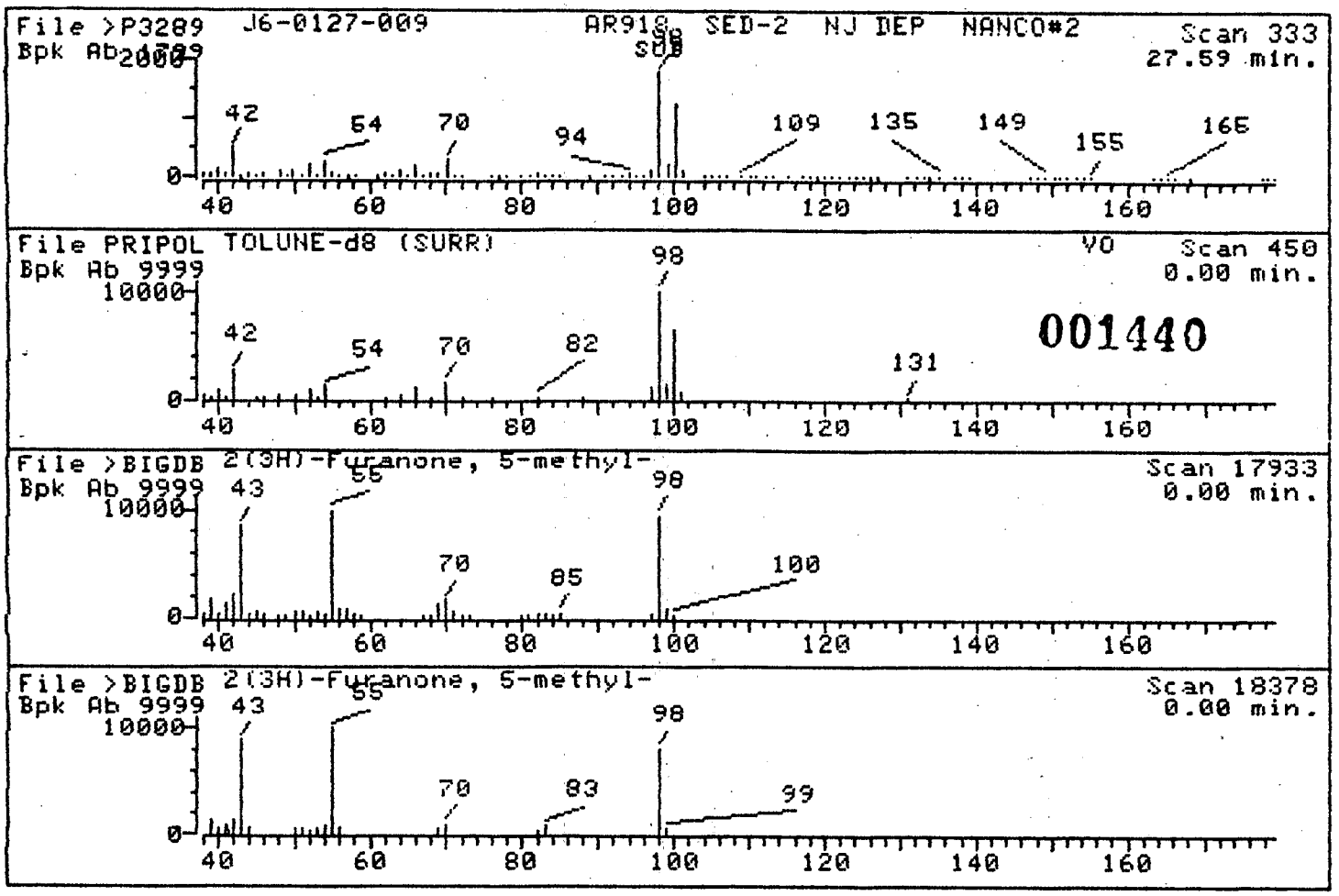
1. Benzene, 1,4-difluoro- ISTD — 114 C6H4F2
2. Benzene, 1,3-difluoro- — 114 C6H4F2
3. Benzene, 1,2-difluoro- — 114 C6H4F2
4. Benzene, 1,4-difluoro- — 114 C6H4F2
5. 1H-1,2,4-Triazole, 3-nitro- — 114 C2H2N4O2

20

10

Sample file: >P3289 Spectrum #: 283
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83*	540363	24181	"BIGDB	58	31	1	0	95	7	54	53
2.	76*	372189	24180	"BIGDB	55	30	1	0	95	13	40	52
3.	74*	367113	24179	"BIGDB	50	35	1	0	96	13	39	41
4.	41*	540363	24611	"BIGDB	33	48	1	0	90	28	14	18
5.	20*	24807554	24149	"BIGDB	28	63	3	0	100	51	5	13

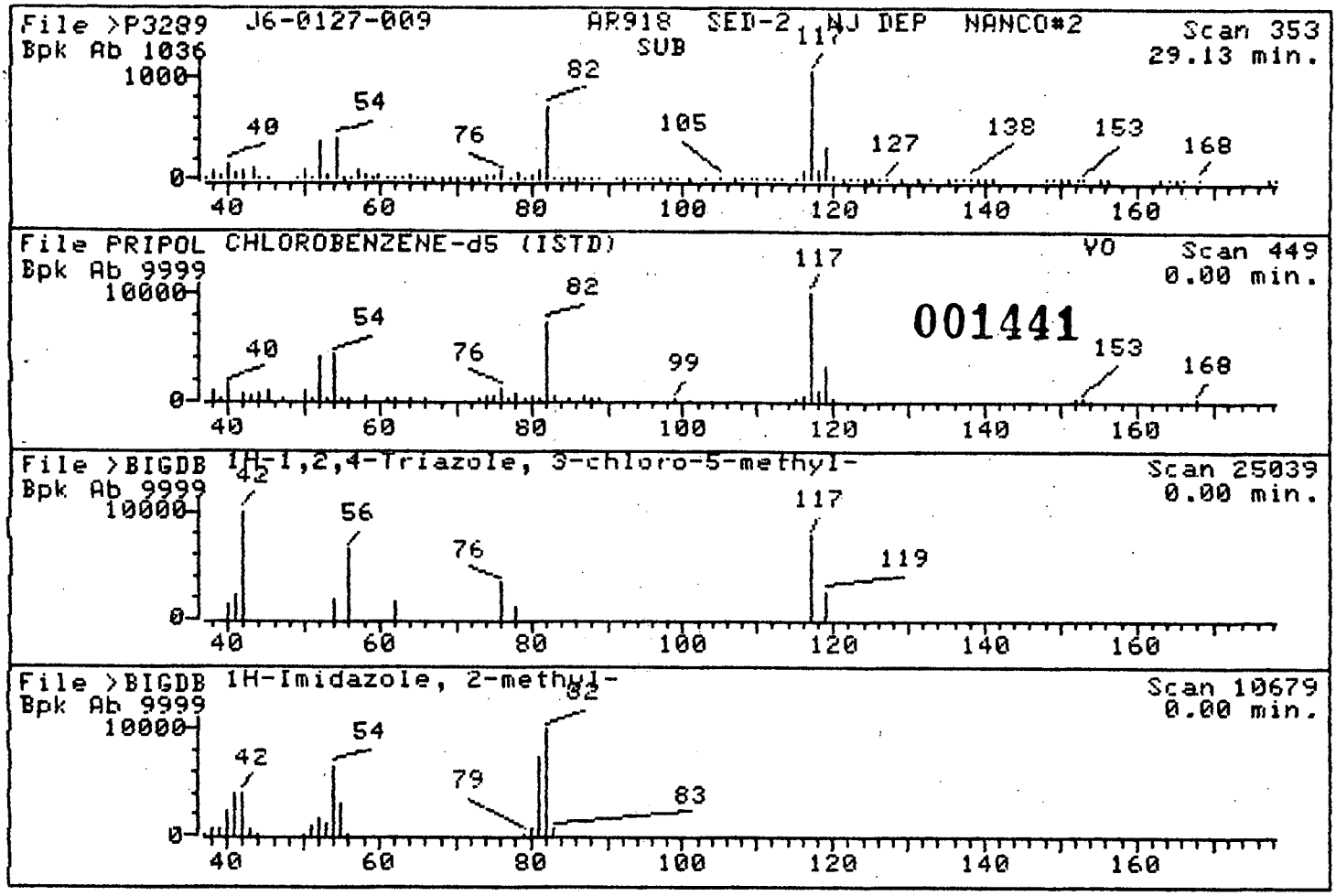


001440

1. TOLUNE-d8 (SURR) VO 96
   LATILE SURROGATE
2. 2(3H)-Furanone, 5-methyl- 98 C5H6O2
3. 2(3H)-Furanone, 5-methyl- 98 C5H6O2
4. 1H-1,2,4-Triazol-3-amine, 5-methyl- 98 C3H6N4
5. 2(3H)-Furanone, 5-methyl- 98 C5H6O2

Sample file: >P3289 Spectrum #: 333
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	46	450	158	PRIPOL	79	19	2	0	89	31	16	29
2.	32*	591128	17933	"BIGDB	41	59	2	0	102	32	12	15
3.	31*	591128	18378	"BIGDB	35	56	2	0	125	36	10	17
4.	28*	4923017	17919	"BIGDB	30	49	3	0	100	40	10	14
5.	28*	591128	18377	"BIGDB	25	66	2	0	137	36	10	14

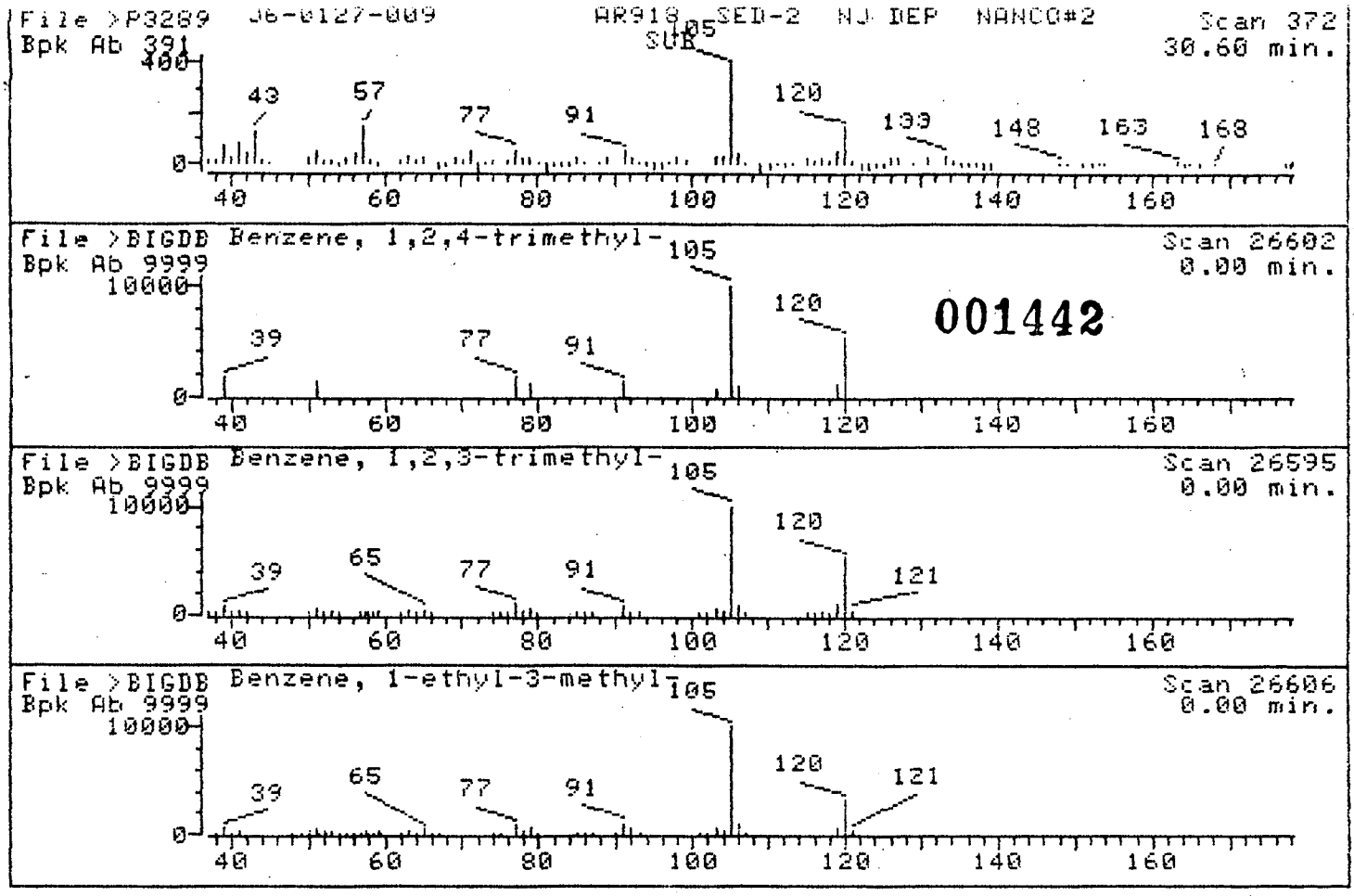


1. CHLOROBENZENE-d5 (ISTD) VO 117
   A INTERNAL STANDARD
2. 1H-1,2,4-Triazole, 3-chloro-5-methyl- 117 C3H4ClN3
3. 1H-Imidazole, 2-methyl- 82 C4H6N2
4. 1H-Indole 117 C8H7N
5. 1H-Pyrazole, 4-methyl- 82 C4H6N2

12

Sample file: >P3289 Spectrum #: 353
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83*	449	177	PRIPOL	52	53	2	0	89	3	57	27
2.	25*	15285151	25039	"BIGDB	22	57	2	0	125	43	8	13
3.	15*	693981	10679	"BIGDB	33	65	2	0	59	59	3	14
4.	15*	120729	25368	"BIGDB	23	73	3	0	100	59	3	12
5.	11*	7554656	1394	"BIGDB	25	51	2	0	47	61	2	14



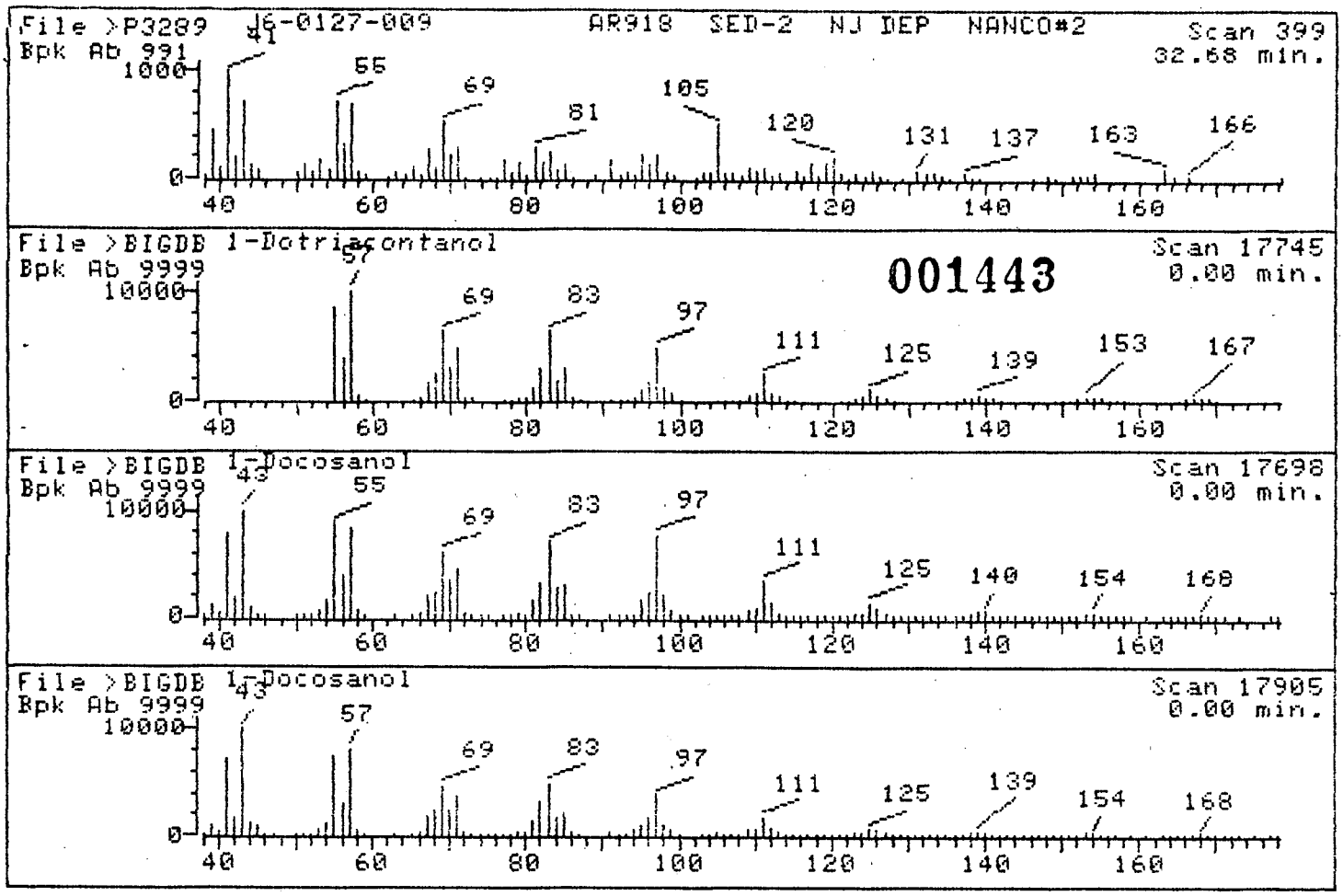
Unknown Benzene Isomer

13

1.	Benzene, 1,2,4-trimethyl-	120	C9H12
2.	Benzene, 1,2,3-trimethyl-	120	C9H12
3.	Benzene, 1-ethyl-3-methyl-	120	C9H12
4.	Benzene, 1-ethyl-3-methyl-	120	C9H12
5.	Benzene, 1-ethyl-4-methyl-	120	C9H12

Sample file: >P3289 Spectrum #: 372
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	75*	95636	26602	"BIGDB	58	11	1	0	69	20	35	60
2.	66*	526738	26595	"BIGDB	56	32	2	0	68	18	31	42
3.	64*	620144	26606	"BIGDB	62	27	2	0	97	23	28	49
4.	64*	620144	26298	"BIGDB	54	33	1	0	83	23	28	49
5.	64*	622968	26299	"BIGDB	53	32	1	0	89	23	28	46



001443

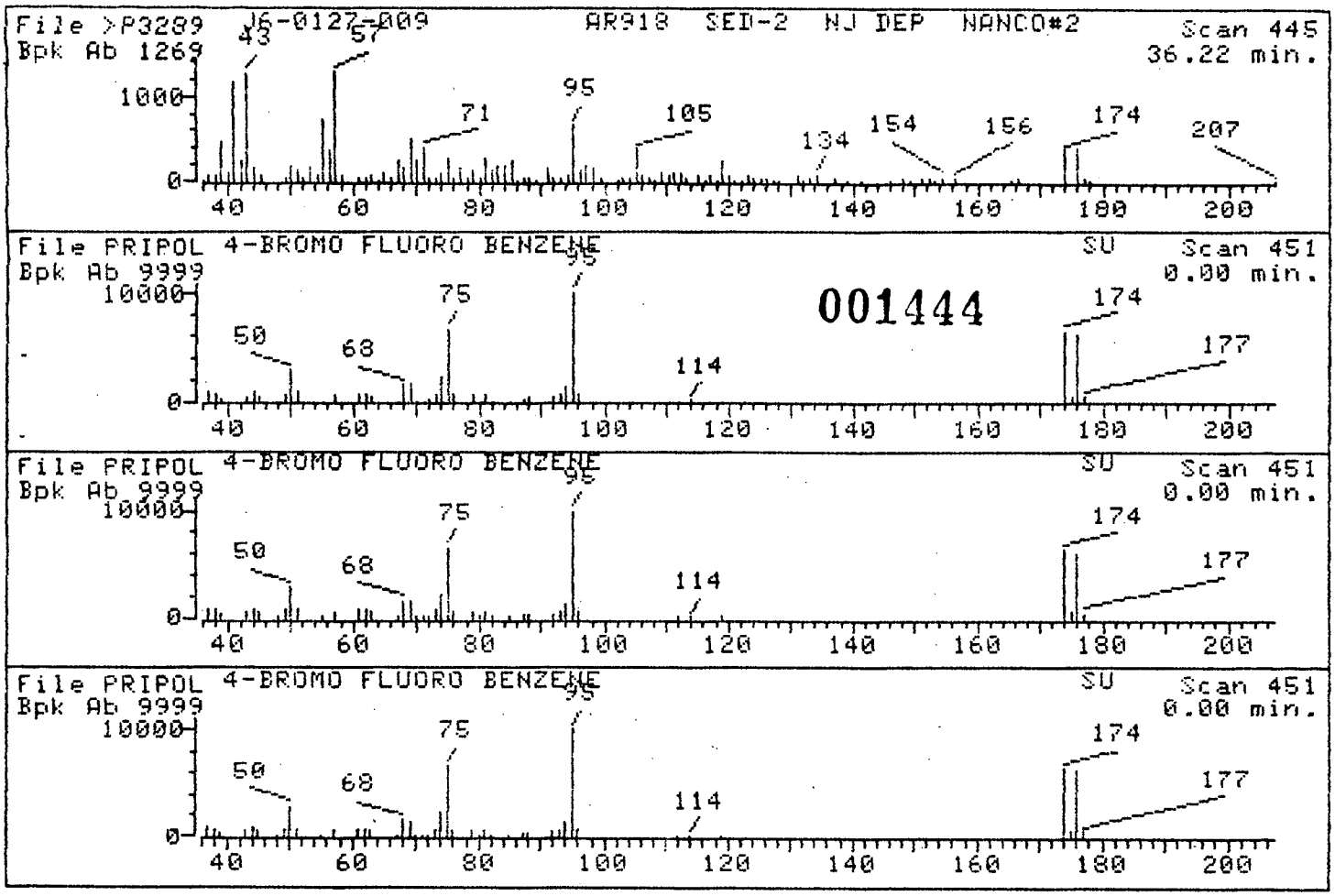
Unknown

14

1.	1-Dotriacontanol	466	C32H66O
2.	1-Docosanol	326	C22H46O
3.	1-Docosanol	326	C22H46O
4.	1-Hexacosanol	382	C26H54O
5.	Nonacosanol	424	C29H60O

Sample file: >P3289 Spectrum #: 399
Search speed: 1 Tilting option: N No. of ion ranges searched: 54

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	38	6624799	17745	"BIGDB	81	76	0	0	35	53	11	60
2.	34	661198	17698	"BIGDB	74	83	0	0	26	53	10	53
3.	28	661198	17905	"BIGDB	63	80	0	0	38	53	8	31
4.	26	506525	17734	"BIGDB	79	84	0	0	50	58	7	59
5.	26	25154567	17742	"BIGDB	73	80	0	0	33	57	7	52

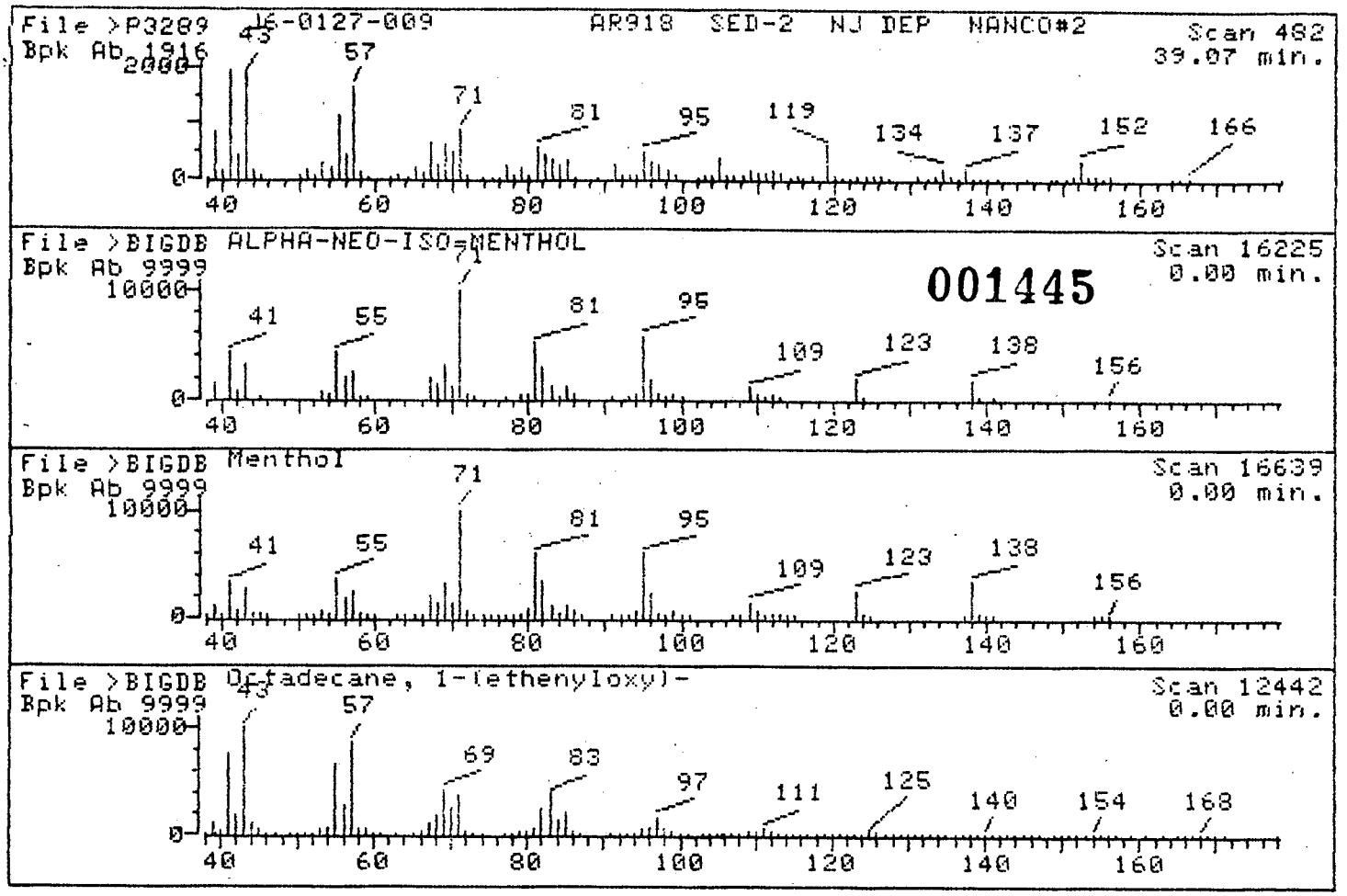


1. 4-BROMO FLUORO BENZENE
RROGATE COMPOUND

SU 174 C6H4BrF

Sample file: >P3289 Spectrum #: 445
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	21*	451	144	PRIPOL	57	43	2	0	31	60	5	34



001445

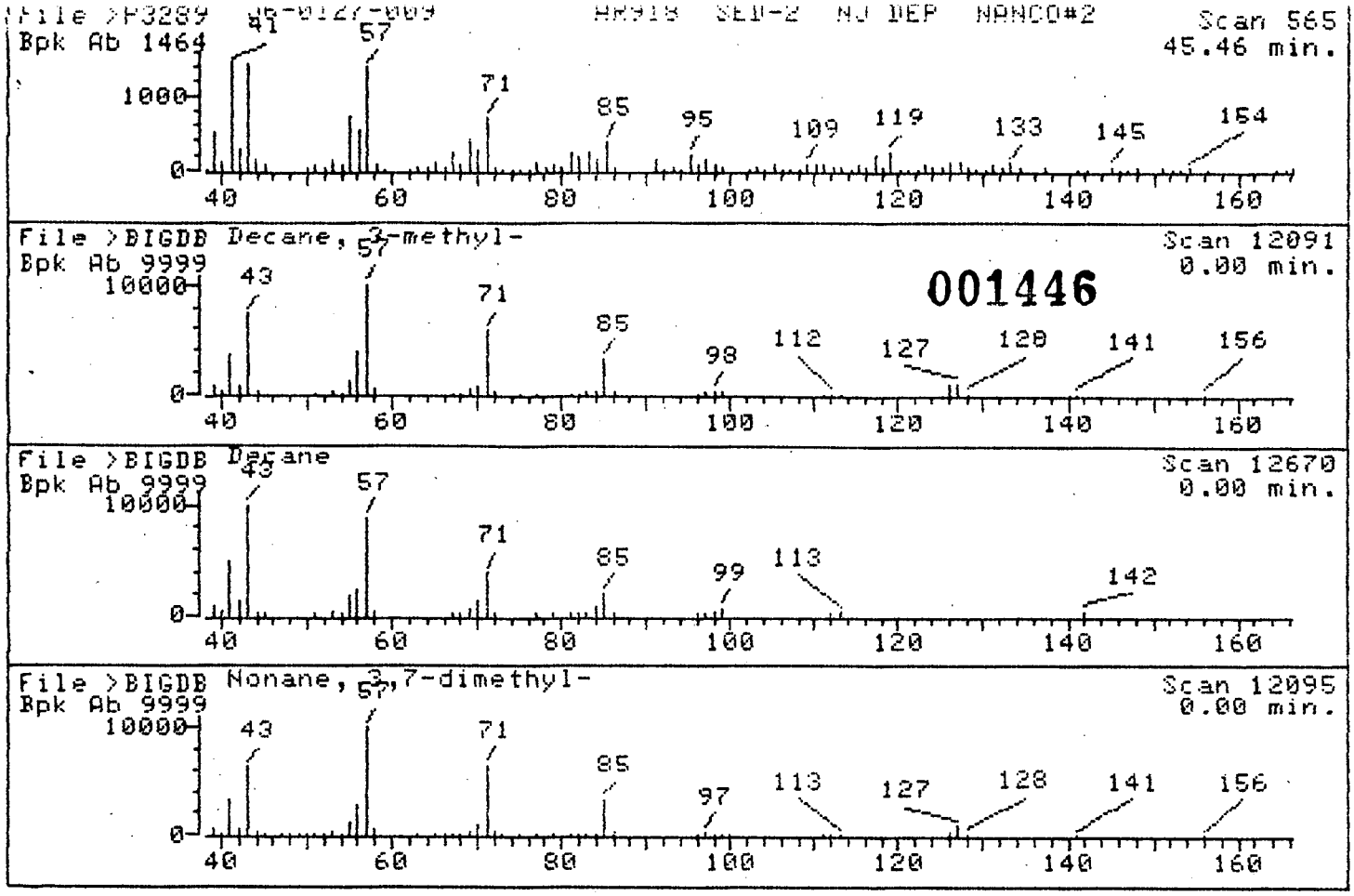
unknown

16

1. ALPHA-NEO-ISO-MENTHOL	156	C10H20O
2. Menthol	156	C10H20O
3. Octadecane, 1-(ethenyloxy)-	296	C20H40O
4. neo-Menthol	156	C10H20O
5. Cyclopentanol, 1,2-dimethyl-3-(1-methylethenyl)-, [1 R-(1.alpha.,2.beta.,3.alpha.)]-	154	C10H18O

Sample file: >P3289 Spectrum #: 482
Search speed: 1 Tilting option: N No. of ion ranges searched: 54

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	491021	16225	"BIGDB	33	64	2	0	41	48	7	14
2.	25*	89781	16639	"BIGDB	31	65	2	0	40	48	7	14
3.	21	930029	12442	"BIGDB	78	67	1	0	65	58	5	30
4.	20*	491010	16227	"BIGDB	32	59	2	0	43	51	5	15
5.	20*	4099074	16857	"BIGDB	22	96	3	0	78	52	5	12



001446

unknown alkane

1.	Decane, 3-methyl-	156	C11H24
2.	Decane	142	C10H22
3.	Nonane, 3,7-dimethyl-	156	C11H24
4.	Octadecane, 1-chloro-	288	C18H37Cl
5.	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26

17

Sample file: >P3289 Spectrum #: 565
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	71*	13151343	12091	"BIGDB	54	40	0	0	67	27	29	66
2.	67	124185	12670	"BIGDB	69	30	2	0	97	15	34	24
3.	67*	17302328	12095	"BIGDB	44	42	0	0	74	28	27	53
4.	58	3386332	12436	"BIGDB	91	56	2	0	74	20	25	27
5.	54	62183555	12170	"BIGDB	56	35	0	0	93	26	24	34

X P 3289 J6-0127-009 moisture: 20%

HSLs	001447	CONC.	Dry u
Chloromethane		1.84	2.3
Methylene Chloride		6.48	8.1
Acetone		28.14	35
Benzene		4.47	6
Toluene		5.56	7
1,1 Dichloroethane		1.85	2

SURROG.	CONC.	% REC.
Toluene-d8	49.49	99
4-BFB	45.81	92
1,2-Dichloroethane-d4	49.60	99

TIC

50 ÷ 1--20 = 62.5 Dry u 1C

C-> Unknown (17.59) $\frac{10940 \times 62}{65729}$ =

C-> Unknown (30.60) Benzene Isomer $\frac{148854 \times 62}{80846}$ = 114

C-> Unknown (32.68) $\frac{126869 \times 62}{80846}$ = 97

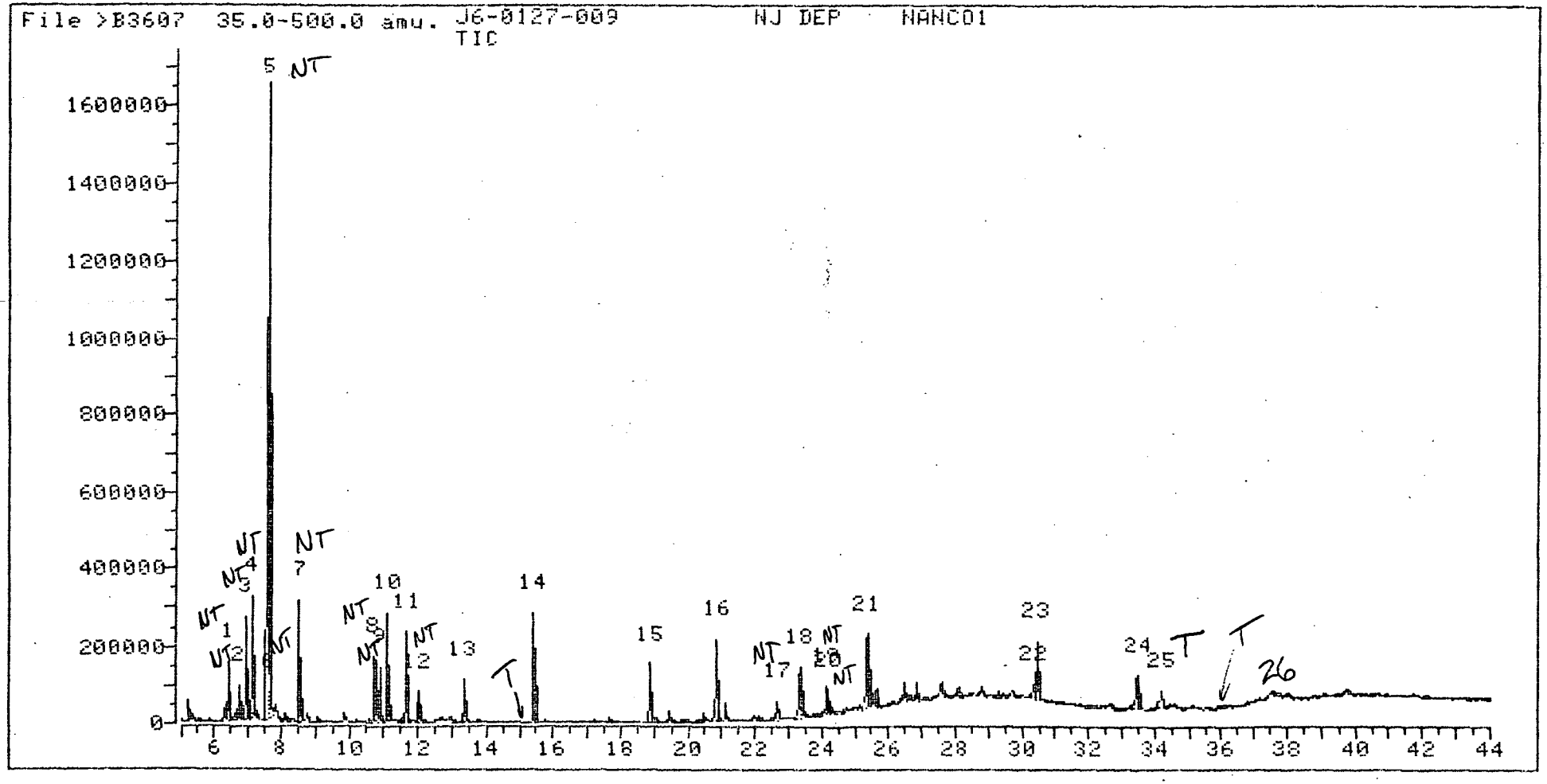
C-> Unknown (39.07) $\frac{1938803 \times 62}{80846}$ = 15

C-> Unknown Alkane (45.46) $\frac{816060 \times 62}{80846}$ = 626

Witnessed:

Malini Mehta 10/28/86

INJECTED 10-3-86 18:05



PK #
11 1,4-DICHLOROBENZENE d4 (IS)
14 NAPHTHALENE d8 (IS)
16 ACENAPHTHENE d10 (IS)
21 PHENANTHRENE d10 (IS)
24 CHRYSENE d12 (IS)
26 PERYLENE d12 (IS)

PK #
10 PHENOL d6 (SURR)
7 2-FLUOROPHENOL (SURR)
13 NITROBENZENE d5(SURR)
15 2-FLUOROBIPHENYL (SURR)
18 2,4,6-TRIBROMOPHENOL (SURR)
23 TERPHENYL d14 (SURR)

001448

QUANT REPORT

Operator ID: GUPTILL
Output File: ^B3607::AQ
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01

Quant Rev: 4
Quant Time: 861003 18:59
Injected at: 861003 18:05
Dilution Factor: 74.00

20% MOIST BTL# 9

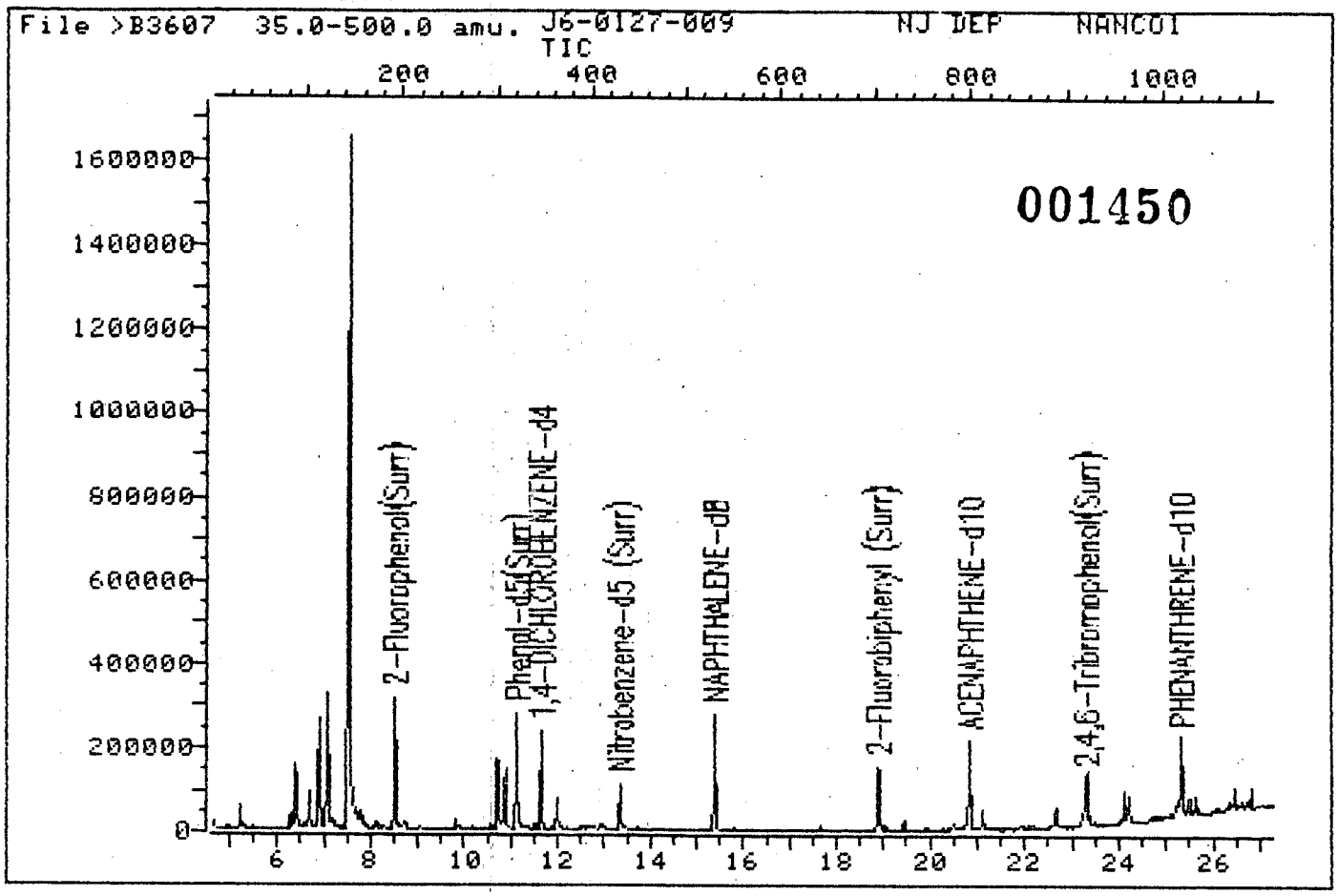
ID File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

001449

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4	11.65	346	72043	40.00	UG	97
14)	*NAPHTHALENE-d8	15.39	530	284381	40.00	UG	100
19)	Benzoic Acid	15.16	519	806	30.27	UG	21
28)	*ACENAPHTHENE-d10	20.85	799	133638	40.00	UG	98
47)	*PHENANTHRENE-d10	25.32	1019	229329	40.00	UG	92
57)	*CHRYSENE-d12	33.48	1419	102162	40.00	UG	100
62)	bis(2-Ethylhexyl)Phthalate	34.17	1453	25037	637.44	UG	88
64)	*PERYLENE-d12	37.56	1619	24419	40.00	UG	100
65)	Di-n-Octyl Phthalate	35.97	1541	16798	638.67	UG	100
72)	* 1,4 Dichlorobenzene(IS)	11.65	346	72043	40.00	UG	97
73)	Phenol-d5(Surr)	11.13	320	224866	4181.05	UG	89
74)	2-Fluorophenol(Surr)	8.51	191	158565	4048.67	UG	99
75)	*Naphthalene-d8 (IS)	15.39	530	284381	40.00	UG	92
76)	Nitrobenzene-d5 (Surr)	13.34	429	93024	2186.64	UG	89
77)	*Acenaphthene-d10 (IS)	20.85	799	133638	40.00	UG	98
78)	2-Fluorobiphenyl (Surr)	18.90	703	141012	2018.55	UG	97
79)	2,4,6-Tribromophenol(Surr)	23.30	920	40219	4016.24	UG	93
80)	*Chrysene-d12 (IS)	33.48	1419	106160	40.00	UG	100
81)	Terphenyl-d14 (Surr)	30.42	1269	120978	2056.81	UG	99

* Compound is ISTD

TOTAL ION CHROMATOGRAM



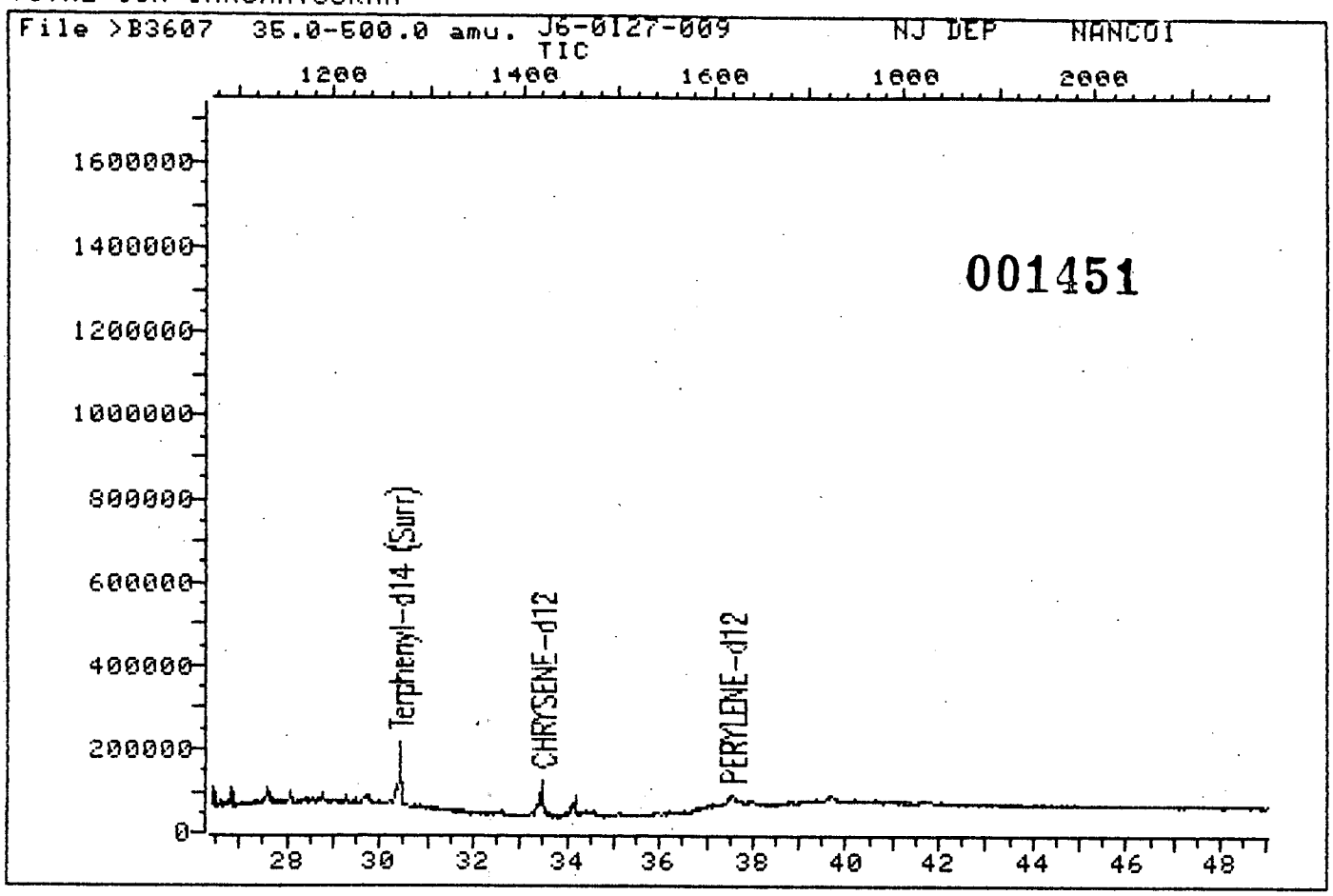
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

Operator ID: GUPTILL
Quant Time: 861003 18:59
Injected at: 861003 18:05

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



001451

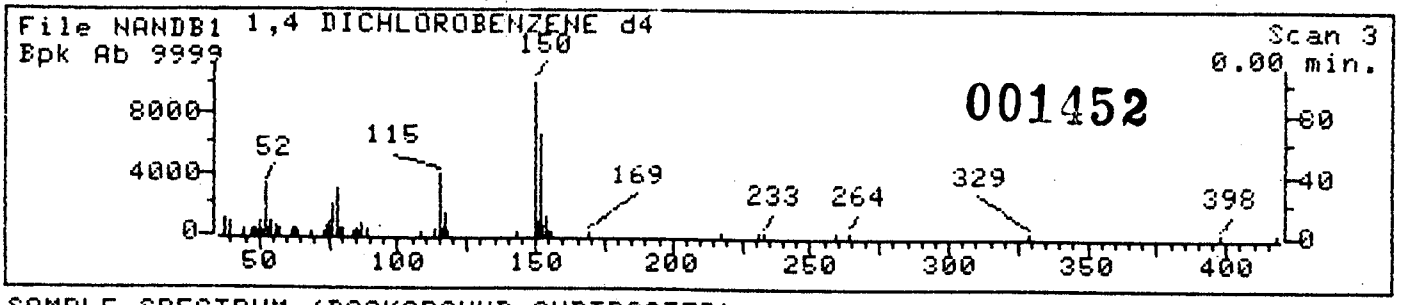
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

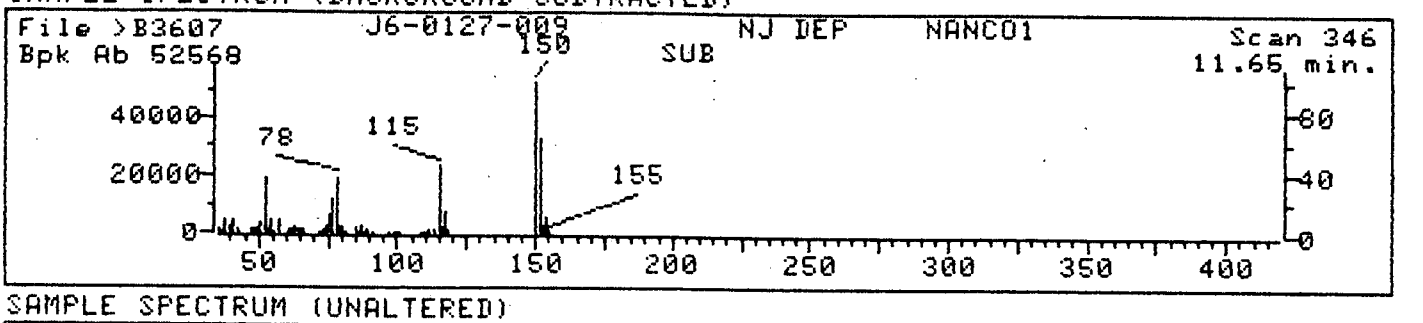
Operator ID: GUPTILL
Quant Time: 861003 18:59
Injected at: 861003 18:05

TIC page 2 of 2

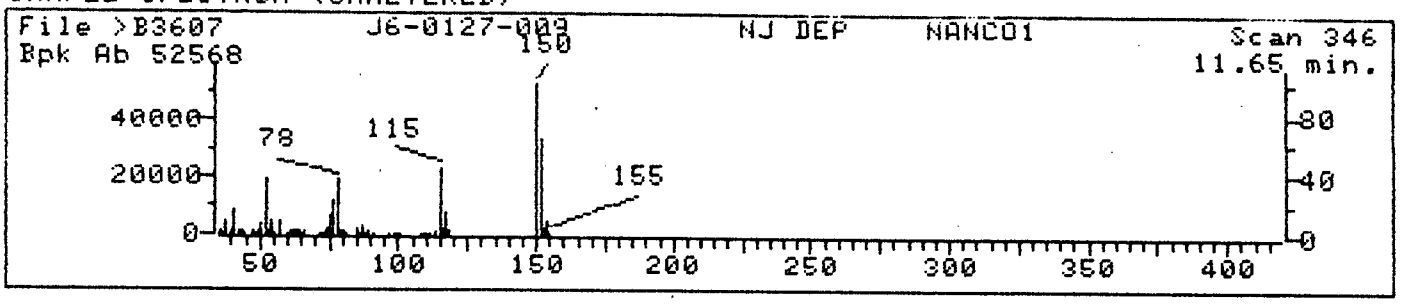
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



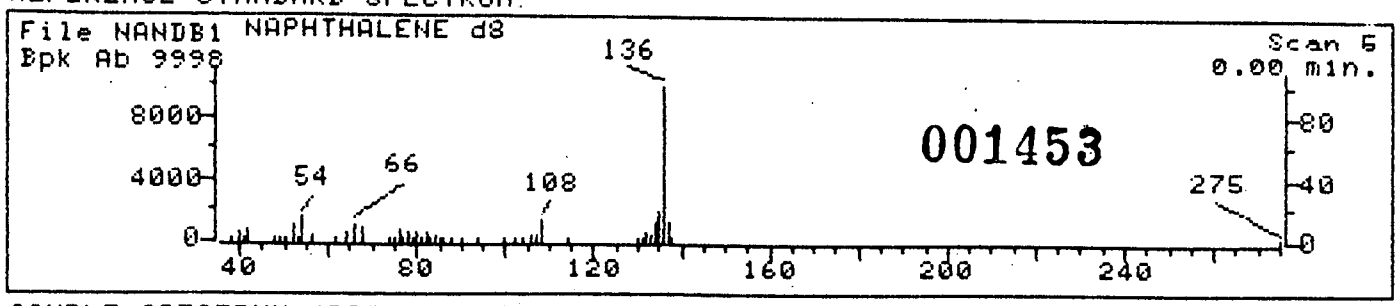
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

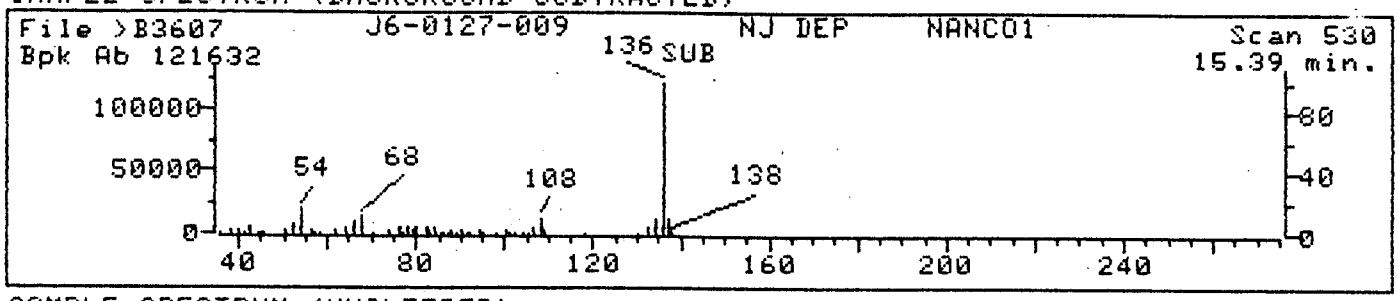
Compound No: 1 (ISTD)
Compound Name: 1,4-DICHLOROBENZENE-d4
Scan Number: 346
Retention Time: 11.65 min.
Area: 72043
Concentration: 40.00 UG
q-value: 97

REFERENCE STANDARD SPECTRUM

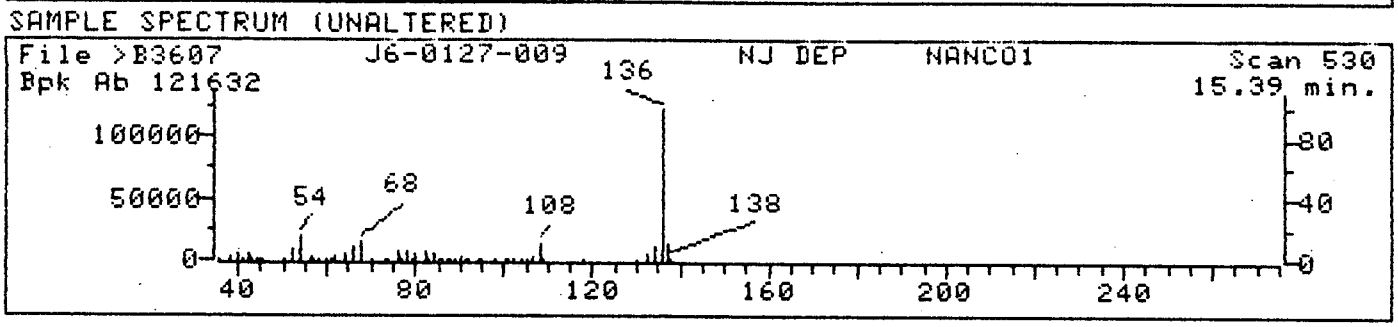


001453

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



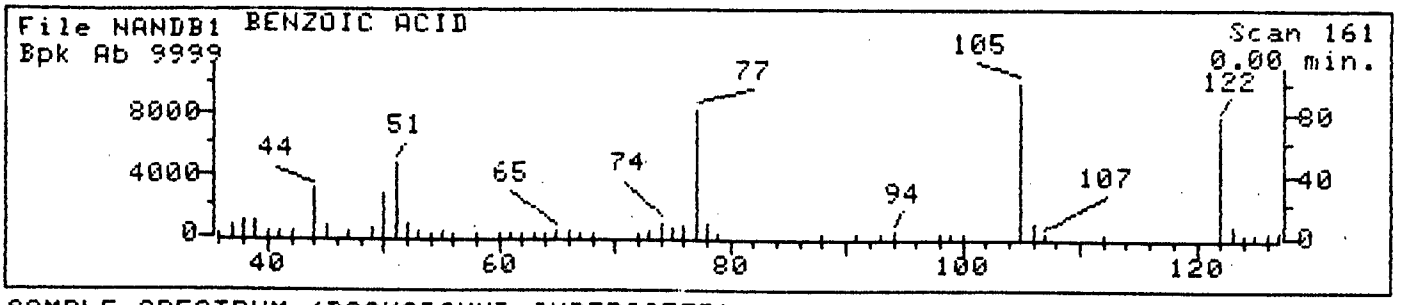
SAMPLE SPECTRUM (UNALTERED)



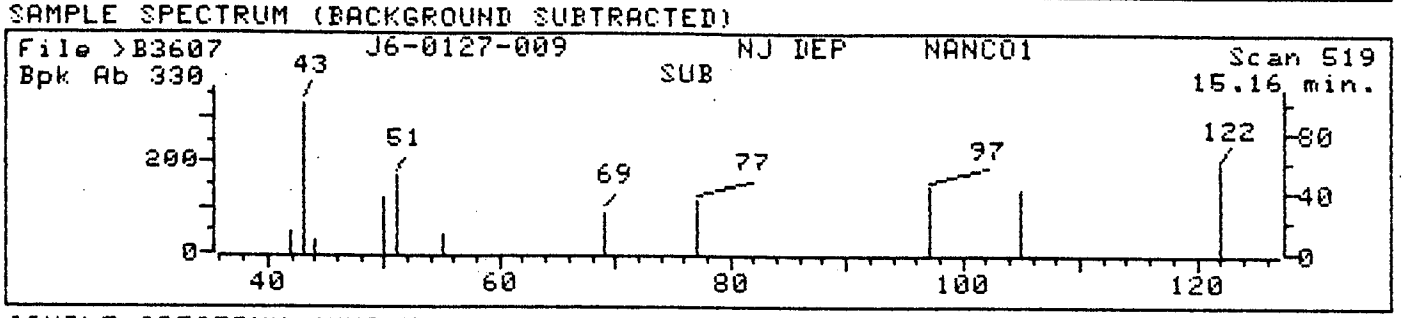
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 14 (ISTD)
Compound Name: NAPHTHALENE-d8
Scan Number: 530
Retention Time: 15.39 min.
Area: 284381
Concentration: 40.00 UG
q-value: 100

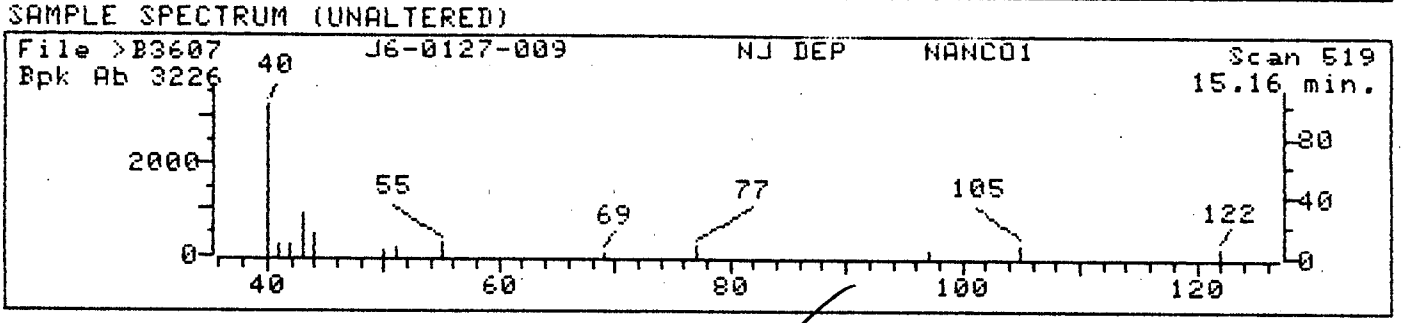
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



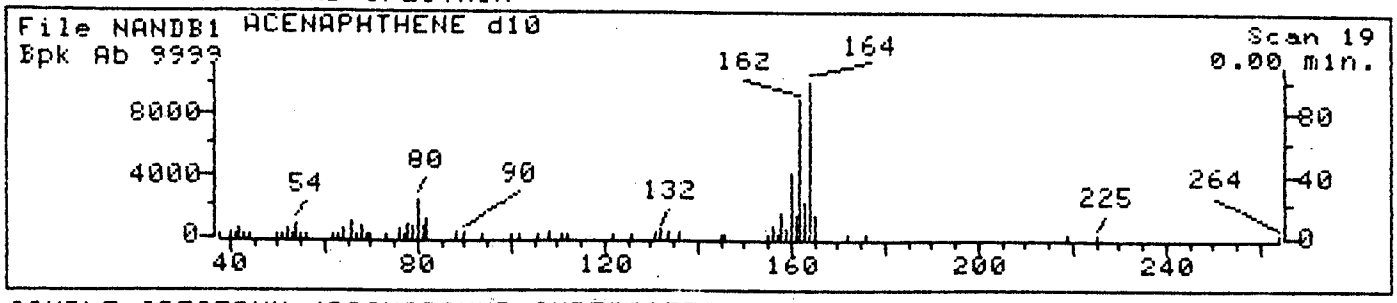
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01
Quant Time: 861003 18:59
Injected at: 861003 18:05

BTL# 9

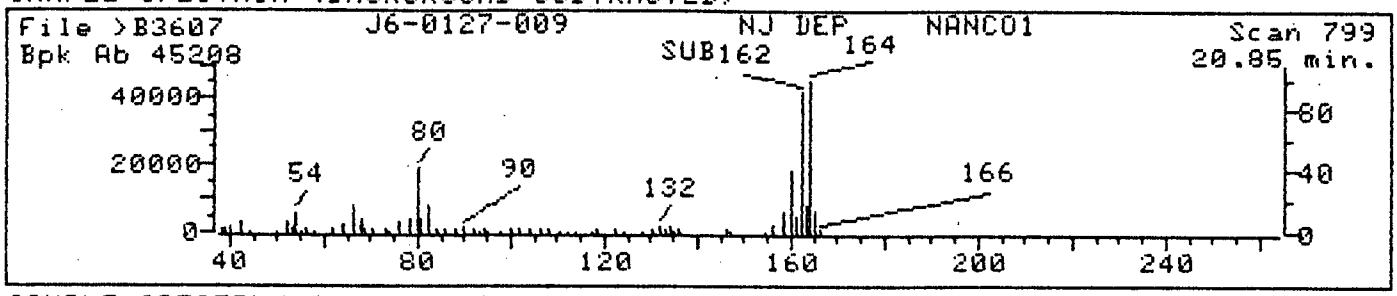
MM

Compound No: 19
Compound Name: Benzoic Acid
Scan Number: 519
Retention Time: 15.16 min.
Area: 806
Concentration: 30.27 UG
q-value: 21

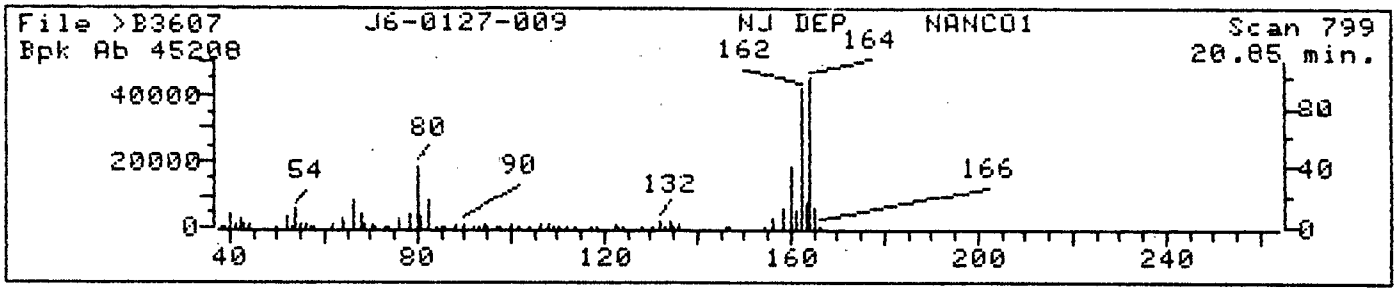
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



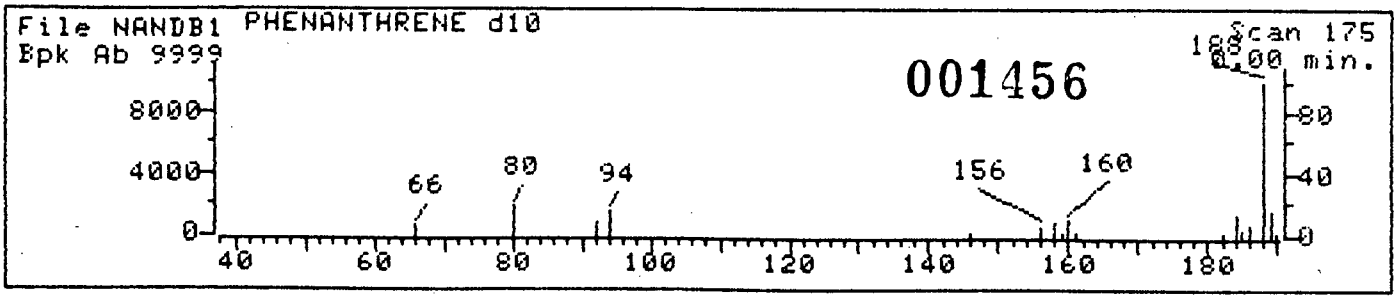
SAMPLE SPECTRUM (UNALTERED)



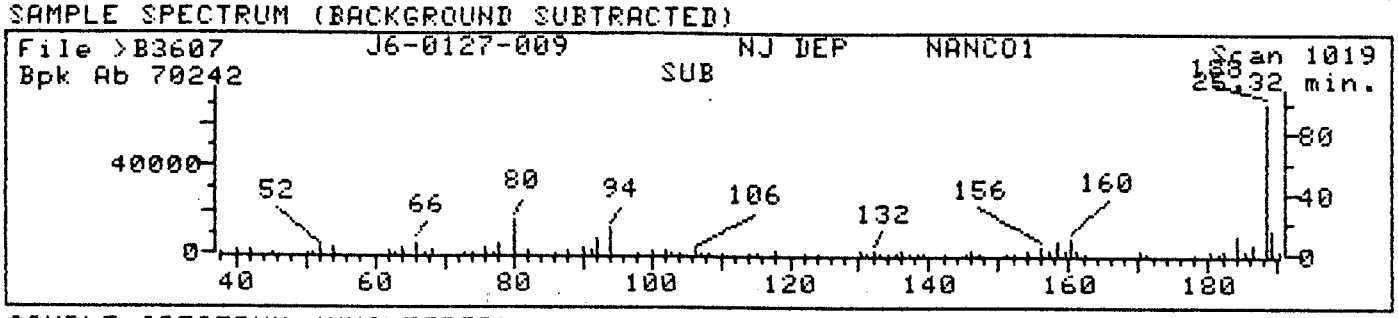
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 28 (ISTD)
Compound Name: ACENAPHTHENE-d10
Scan Number: 799
Retention Time: 20.85 min.
Area: 133638
Concentration: 40.00 UG
q-value: 98

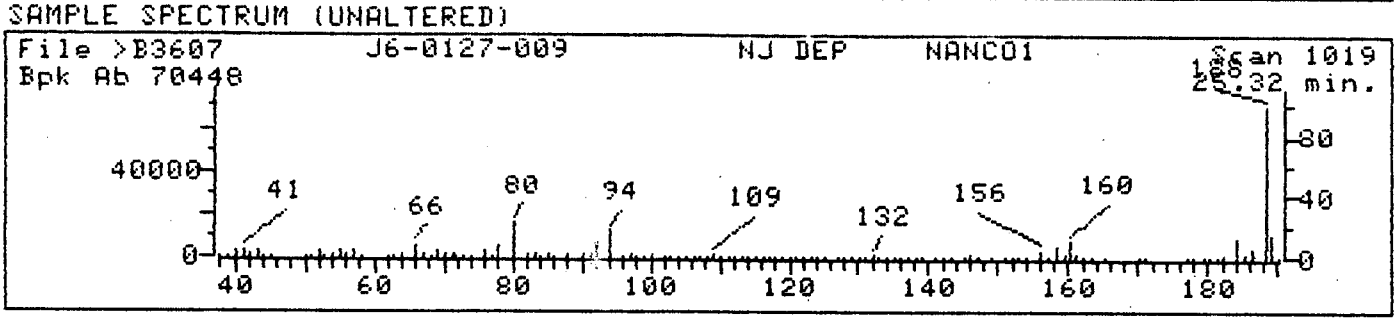
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



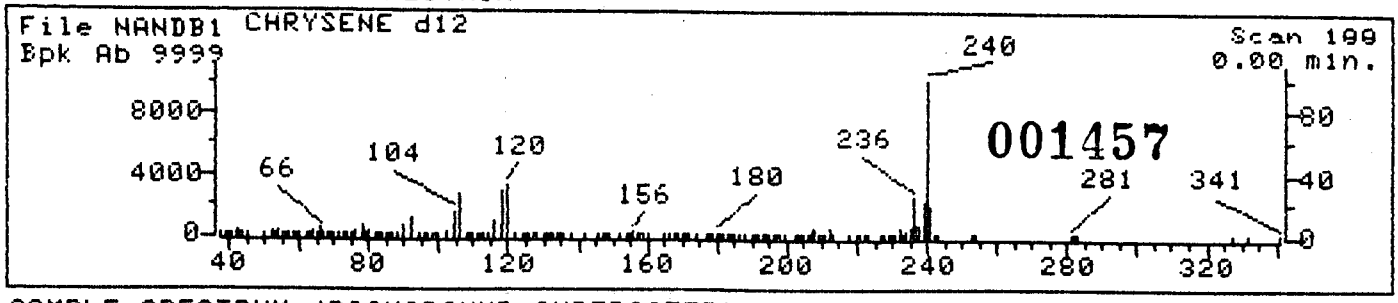
SAMPLE SPECTRUM (UNALTERED)



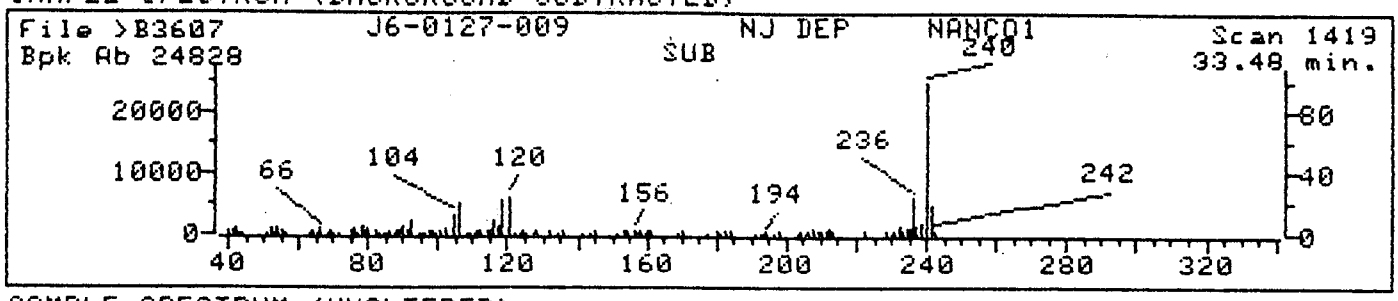
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 47 (ISTD)
Compound Name: PHENANTHRENE-d10
Scan Number: 1019
Retention Time: 25.32 min.
Area: 229329
Concentration: 40.00 UG
q-value: 92

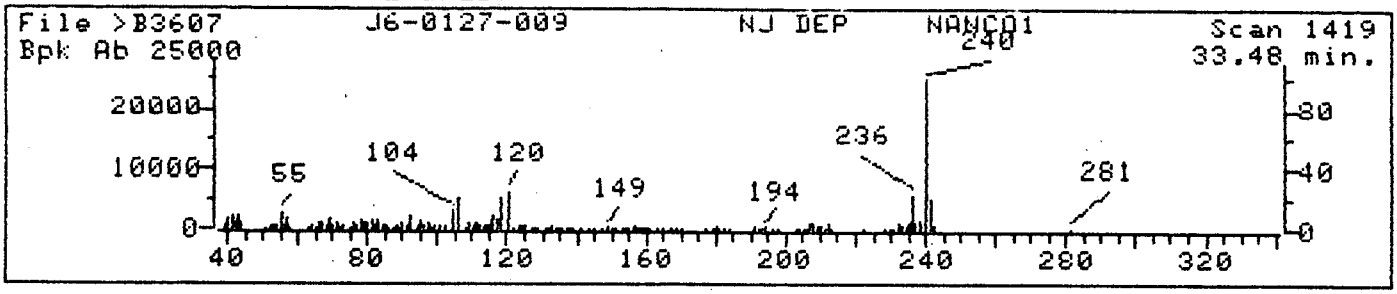
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



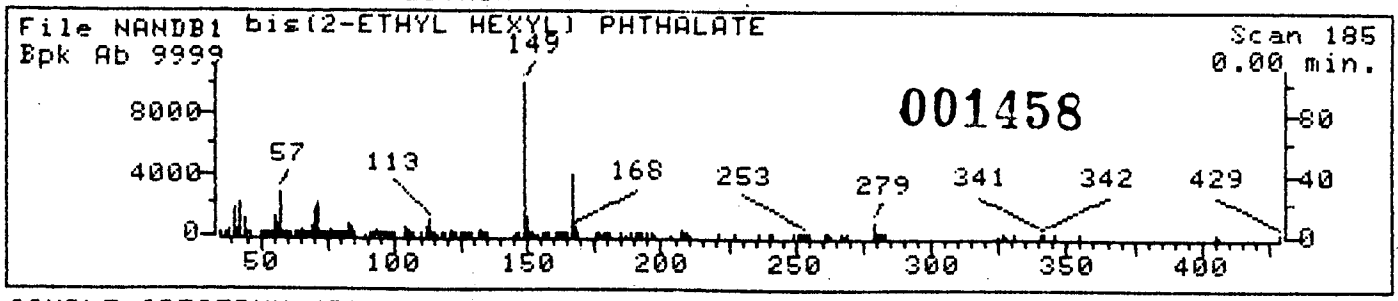
SAMPLE SPECTRUM (UNALTERED)



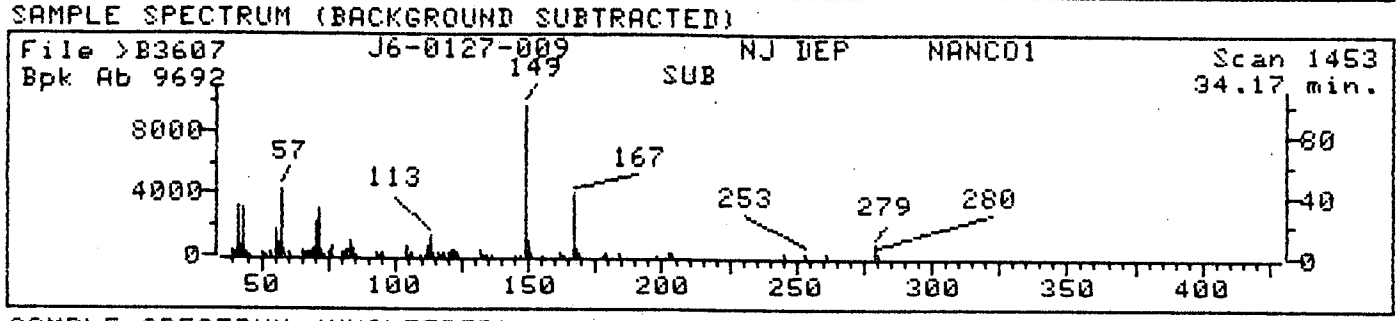
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 57 (ISTD)
Compound Name: CHRYSENE-d12
Scan Number: 1419
Retention Time: 33.48 min.
Area: 102162
Concentration: 40.00 UG
q-value: 100

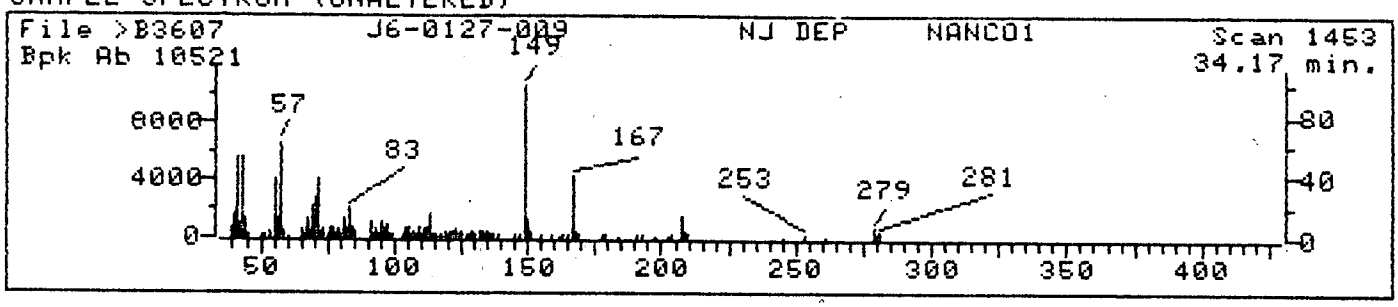
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

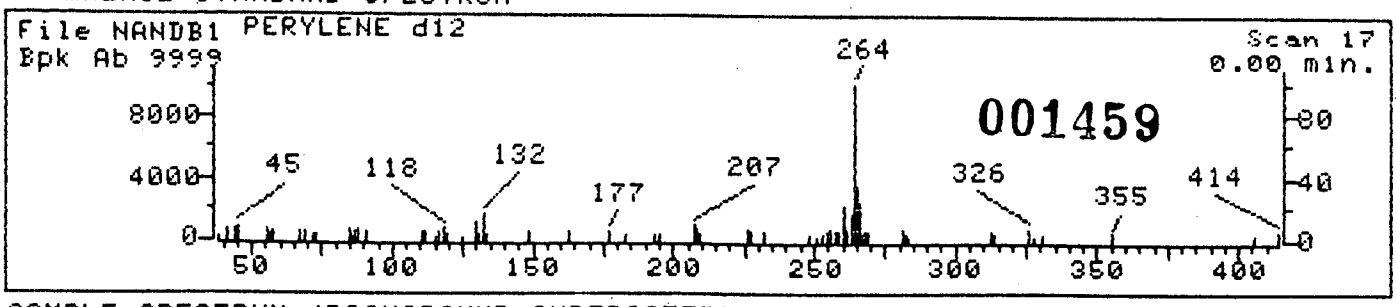


Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01
Quant Time: 861003 18:59
Injected at: 861003 18:05

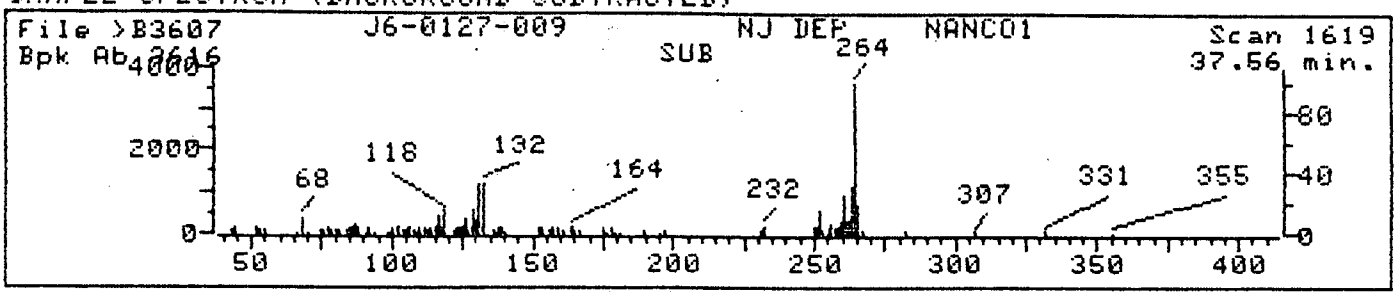
BTL# 9

Compound No: 62
Compound Name: bis(2-Ethylhexyl)Phthalate
Scan Number: 1453
Retention Time: 34.17 min.
Area: 25037
Concentration: 637.44 UG
q-value: 88

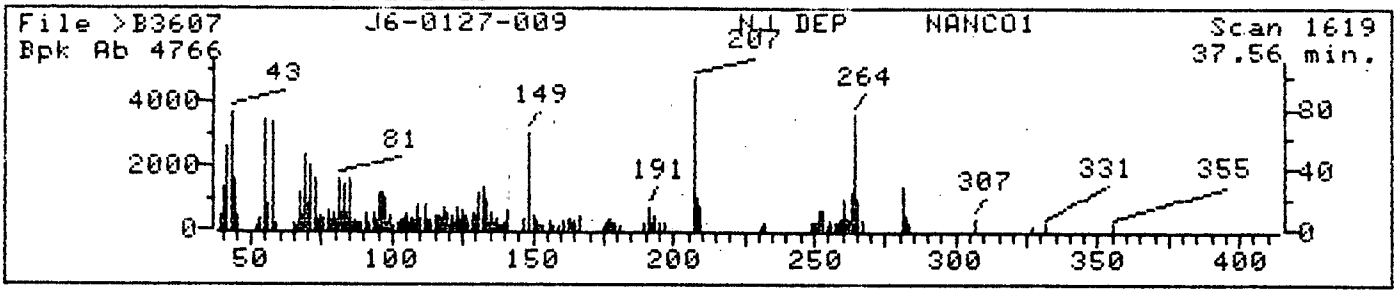
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



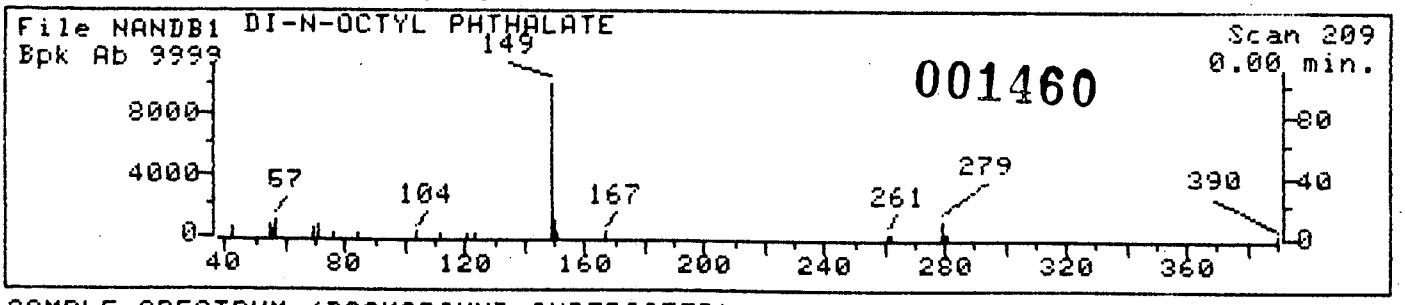
SAMPLE SPECTRUM (UNALTERED)



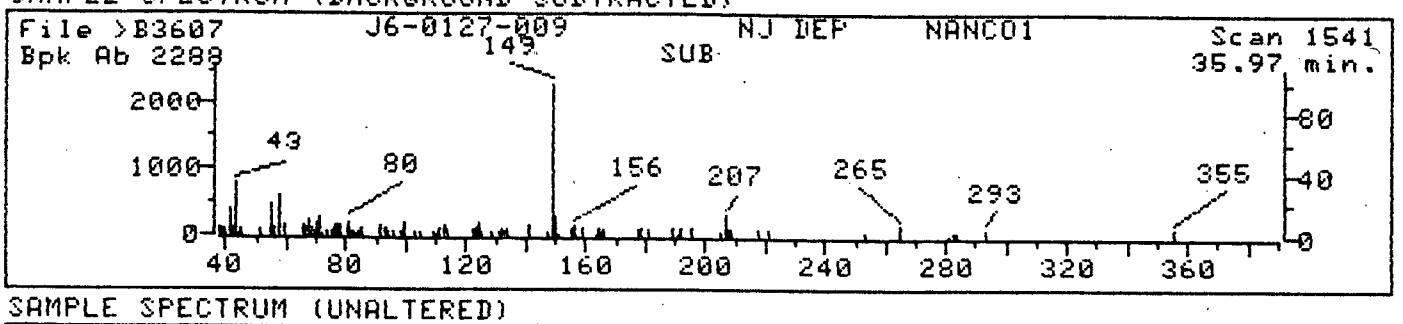
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 64 (ISTD)
Compound Name: PERYLENE-d12
Scan Number: 1619
Retention Time: 37.56 min.
Area: 24419
Concentration: 40.00 UG
q-value: 100

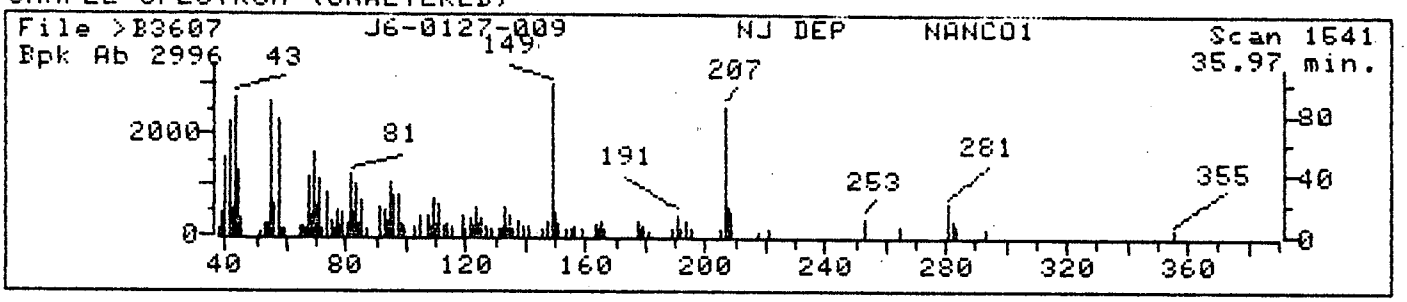
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



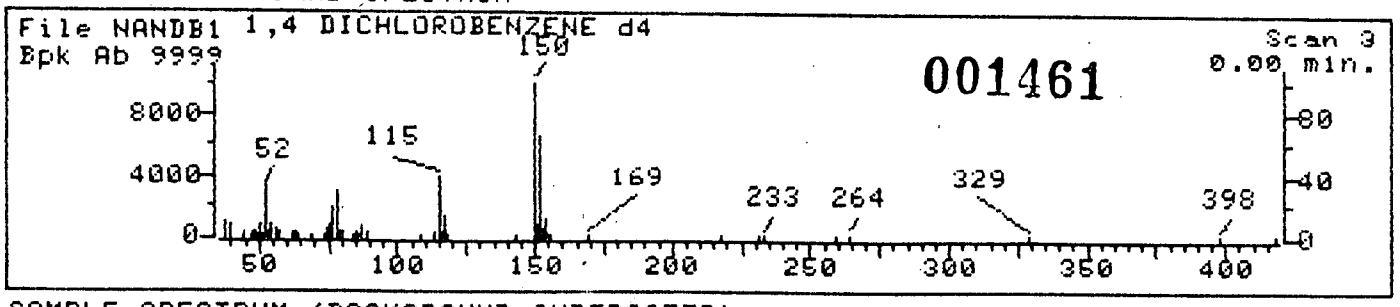
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01
Quant Time: 861003 18:59
Injected at: 861003 18:05

BTL# 9

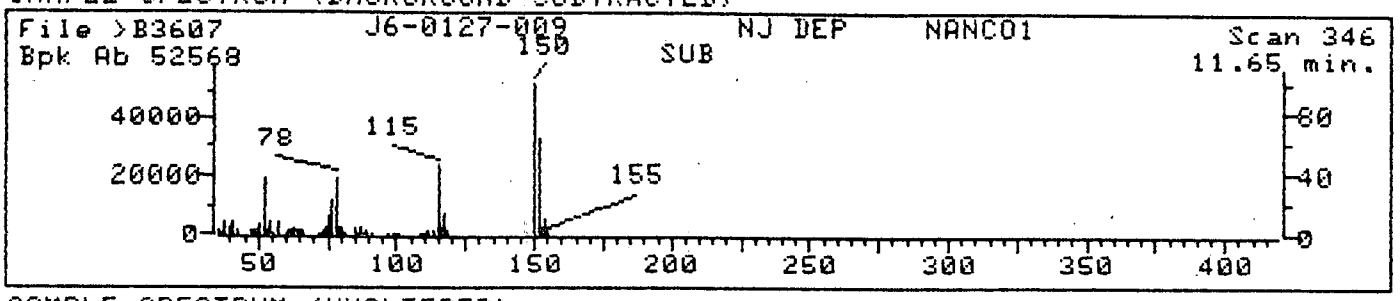
MM

Compound No: 65
Compound Name: Di-n-Octyl Phthalate
Scan Number: 1541
Retention Time: 35.97 min.
Area: 16798
Concentration: 638.67 UG
q-value: 100

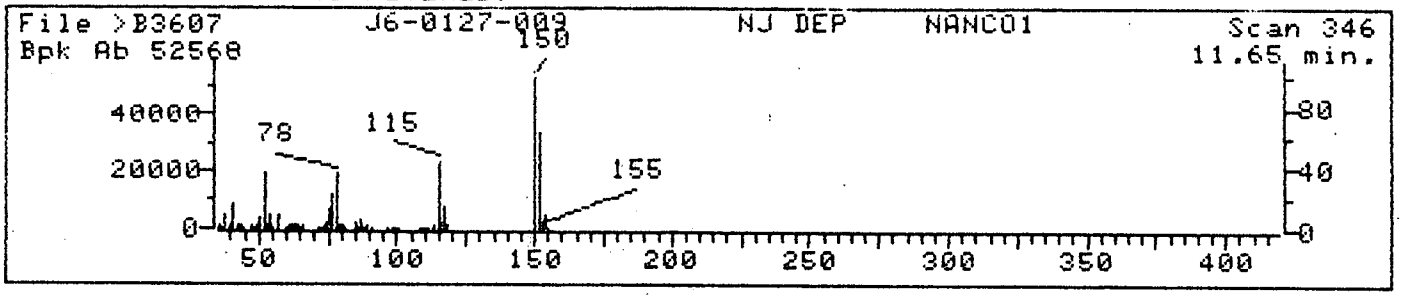
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



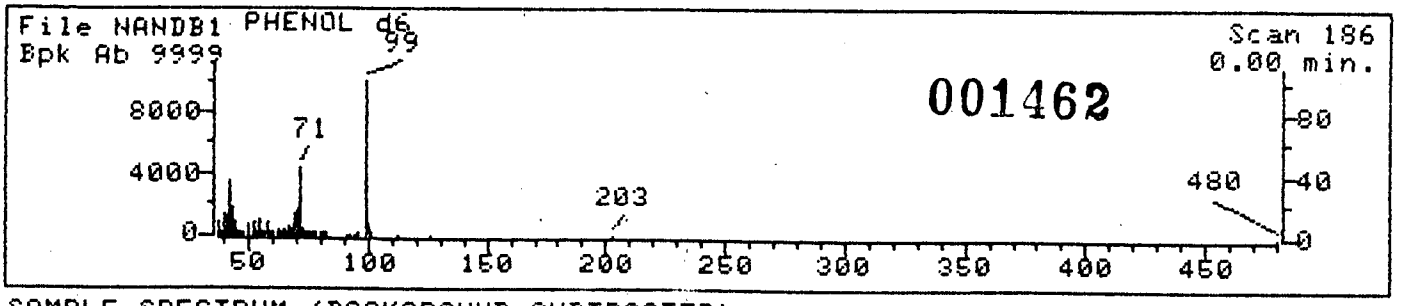
SAMPLE SPECTRUM (UNALTERED)



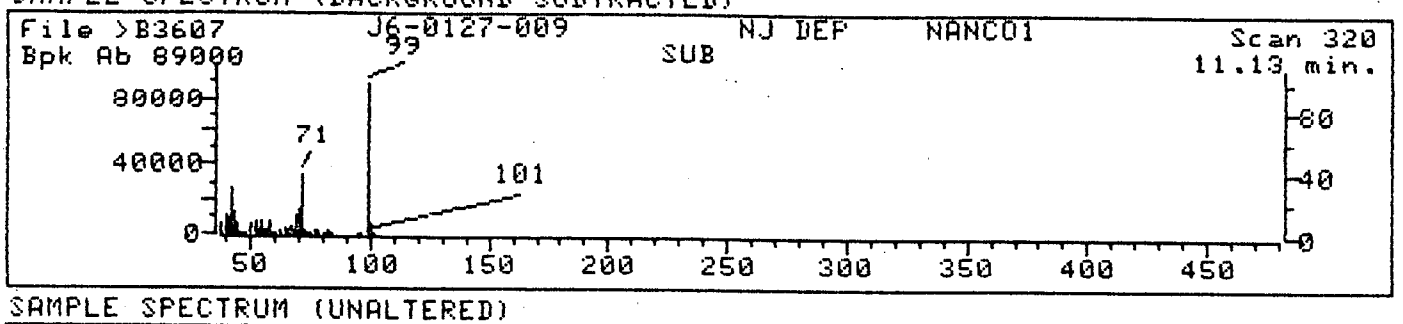
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 72 (ISTD)
Compound Name: 1,4 Dichlorobenzene(IS)
Scan Number: 346
Retention Time: 11.65 min.
Area: 72043
Concentration: 40.00 UG
q-value: 97

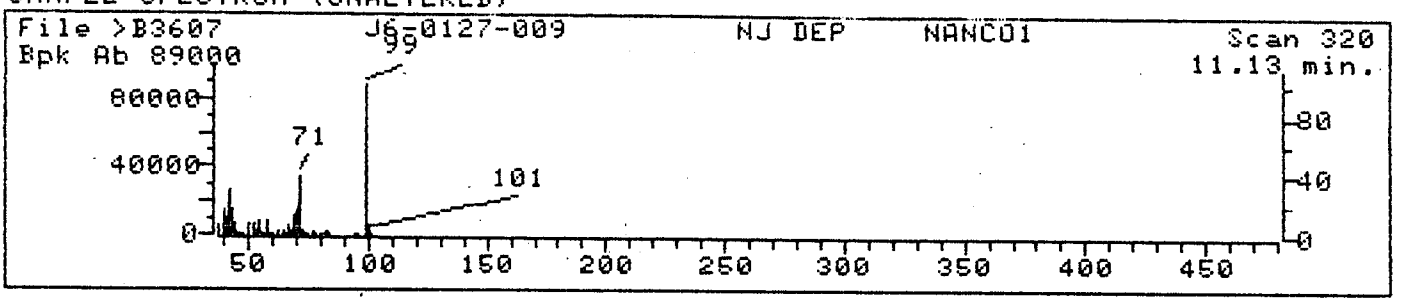
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



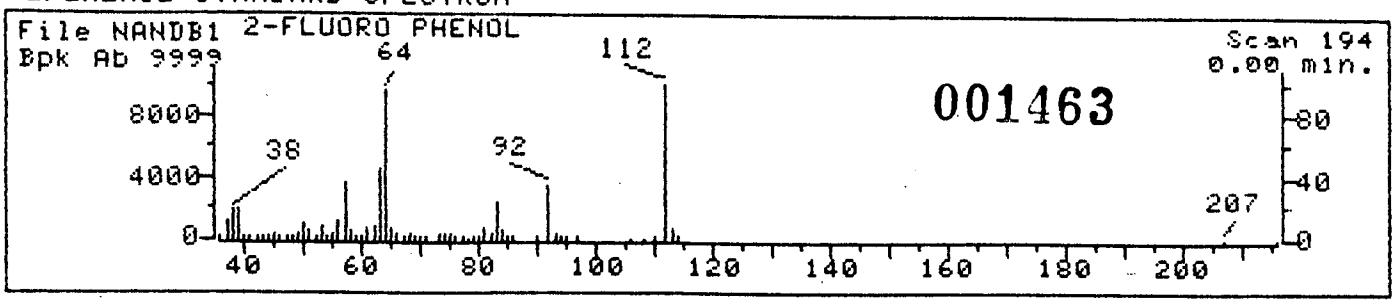
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

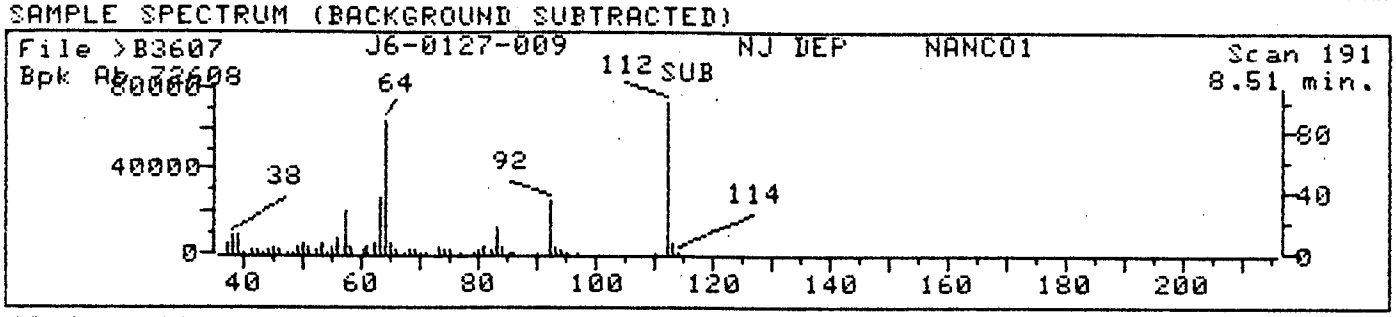
Compound No: 73
Compound Name: Phenol-d5(Surr)
Scan Number: 320
Retention Time: 11.13 min.
Area: 224866
Concentration: 4181.05 UG
q-value: 89

REFERENCE STANDARD SPECTRUM

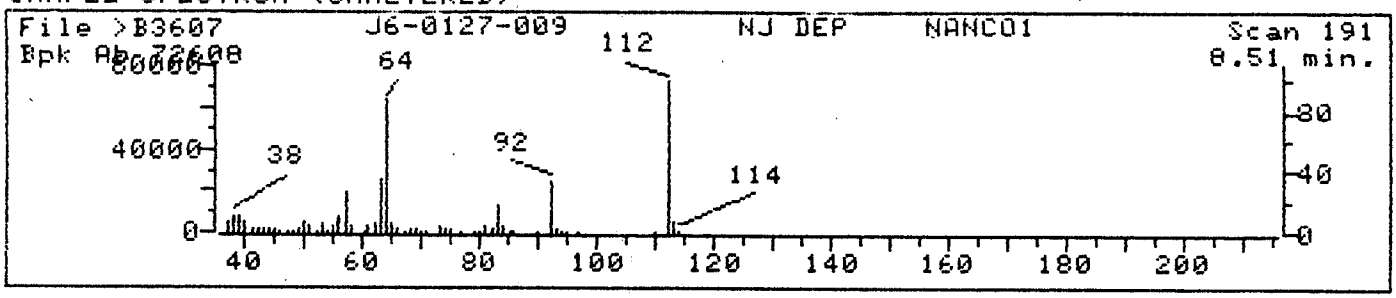


001463

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



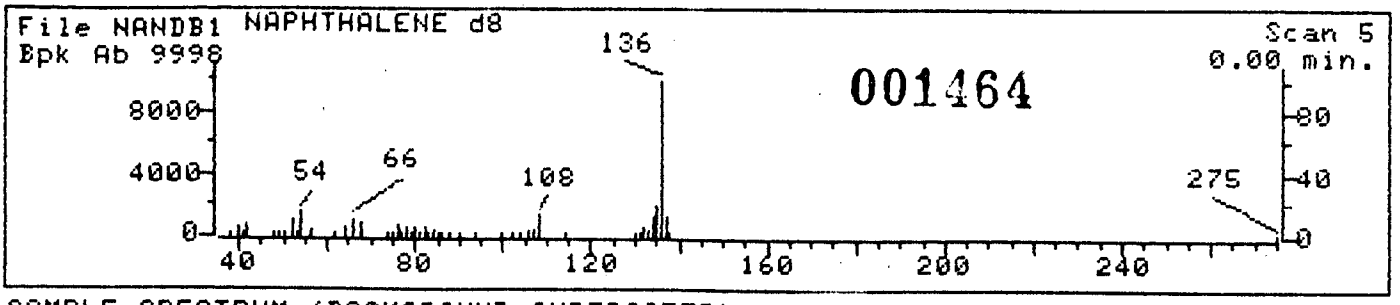
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

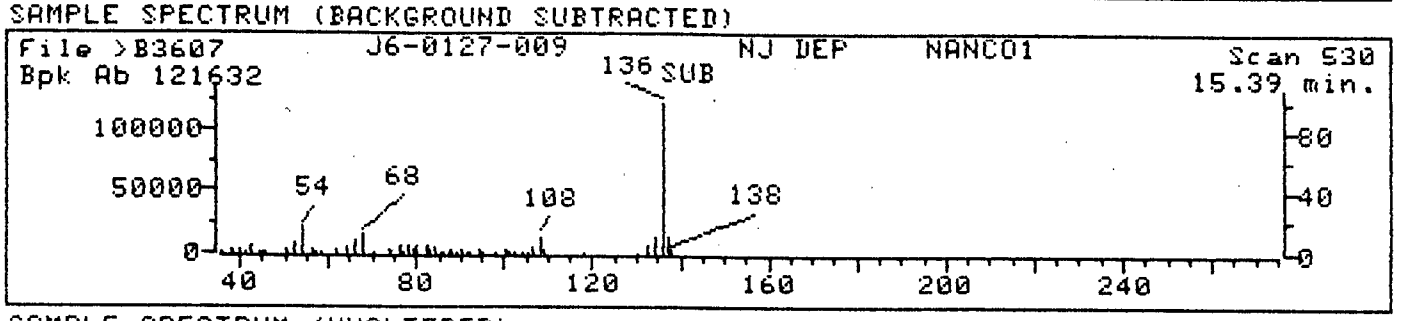
Compound No: 74
Compound Name: 2-Fluorophenol(Surr)
Scan Number: 191
Retention Time: 8.51 min.
Area: 158565
Concentration: 4048.67 UG
q-value: 99

REFERENCE STANDARD SPECTRUM

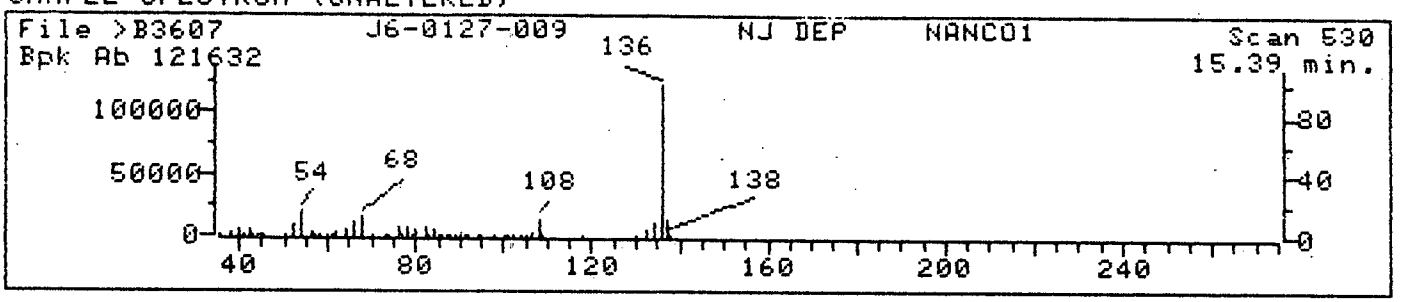


001464

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



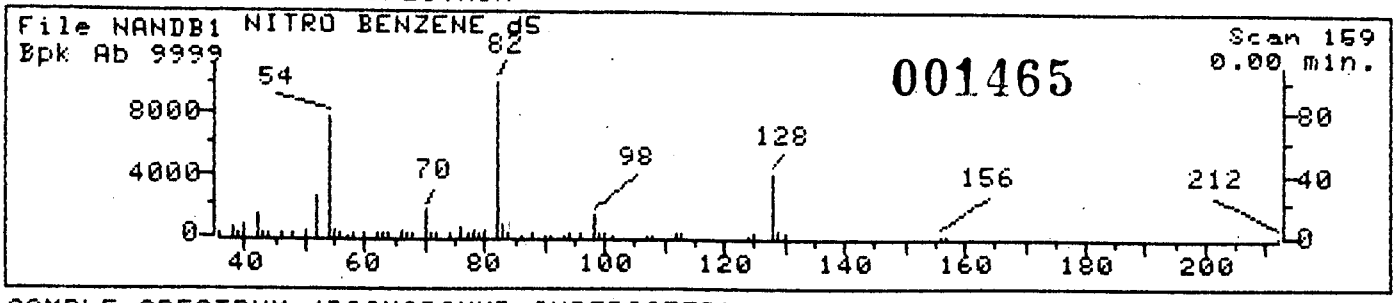
SAMPLE SPECTRUM (UNALTERED)



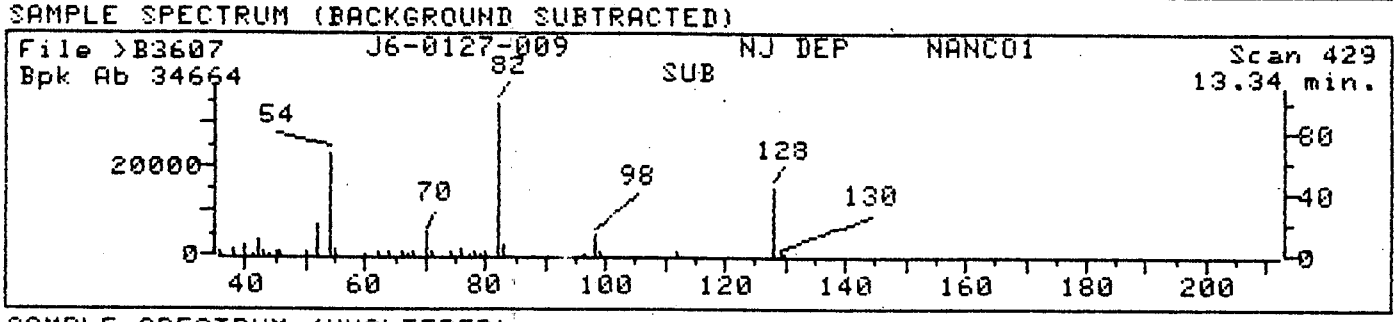
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 75 (ISTD)
Compound Name: Naphthalene-d8 (IS)
Scan Number: 530
Retention Time: 15.39 min.
Area: 284381
Concentration: 40.00 UG
q-value: 92

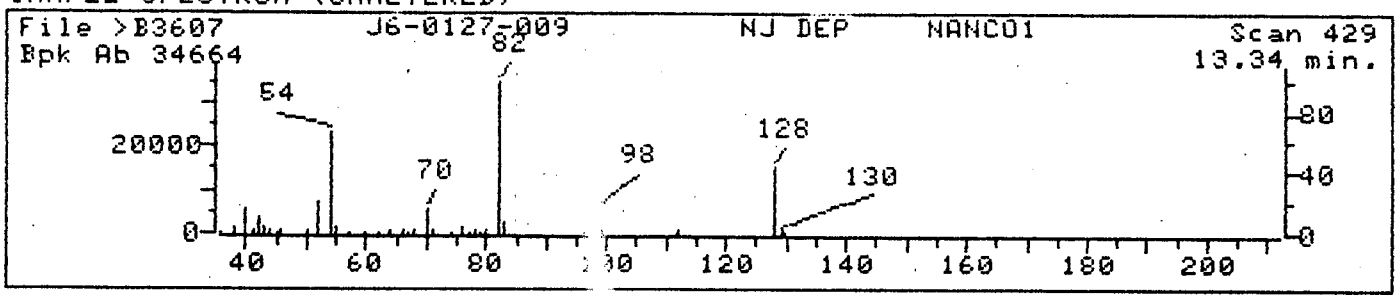
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



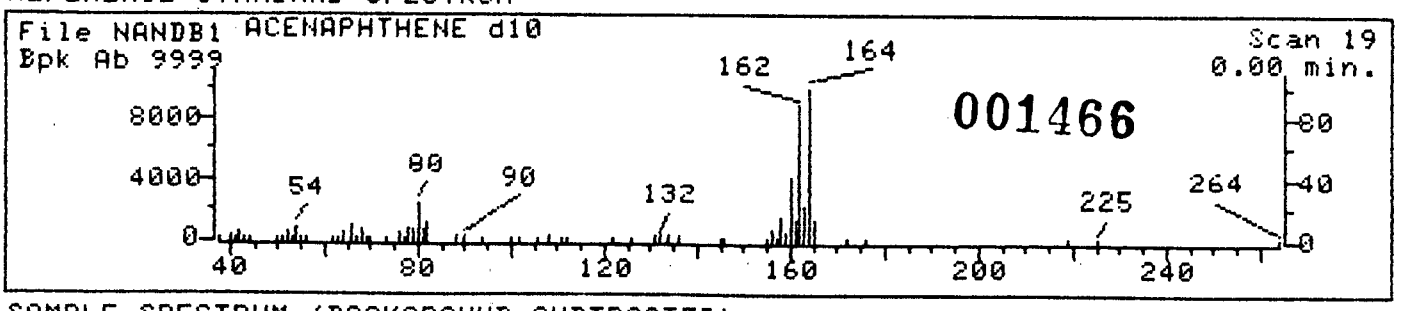
SAMPLE SPECTRUM (UNALTERED)



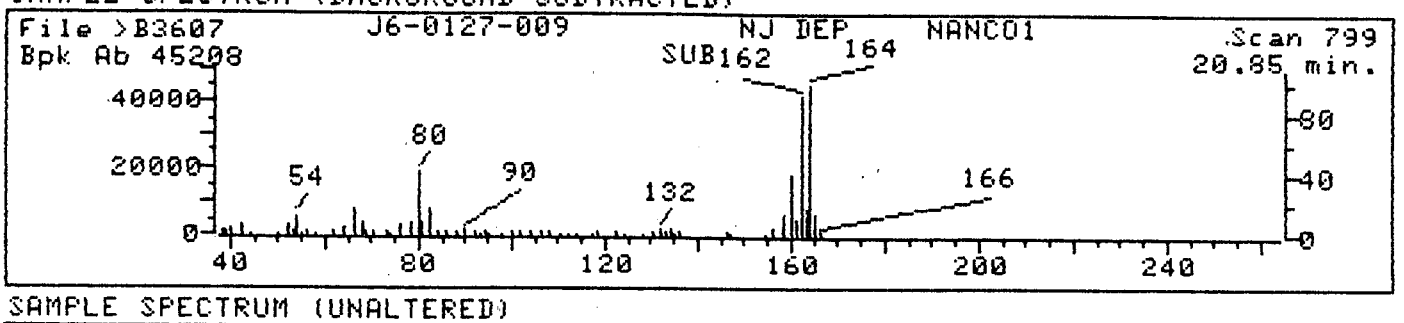
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 76
Compound Name: Nitrobenzene-d5 (Surr)
Scan Number: 429
Retention Time: 13.34 min.
Area: 93024
Concentration: 2186.64 UG
q-value: 89

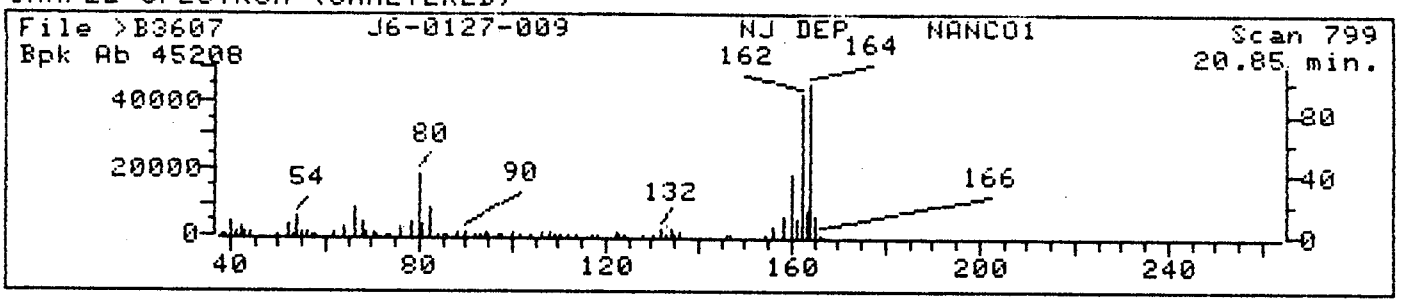
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



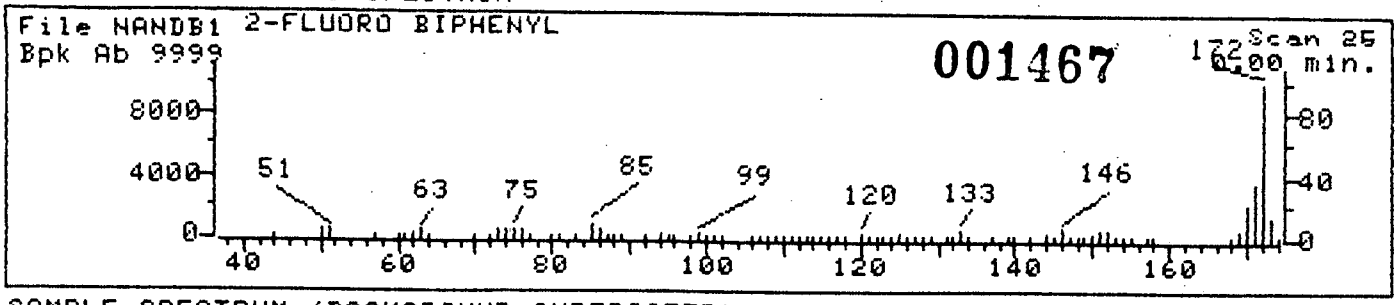
SAMPLE SPECTRUM (UNALTERED)



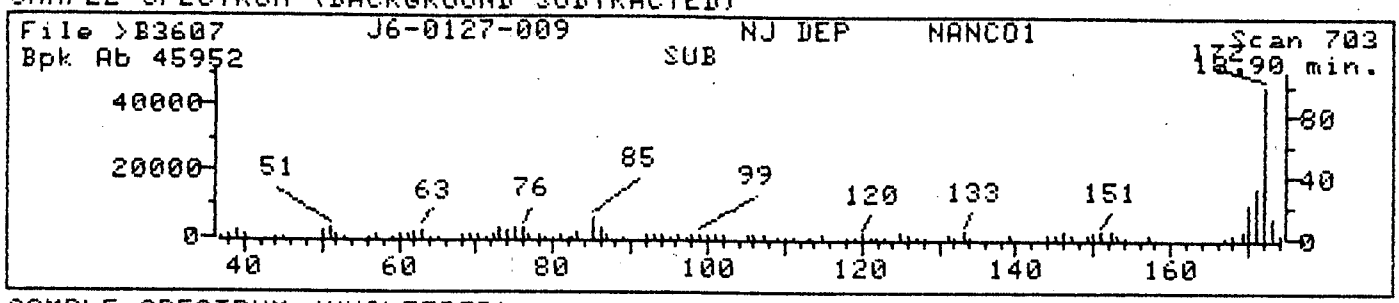
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 77 (ISTD)
Compound Name: Acenaphthene-d10 (IS)
Scan Number: 799
Retention Time: 20.85 min.
Area: 133638
Concentration: 40.00 UG
q-value: 98

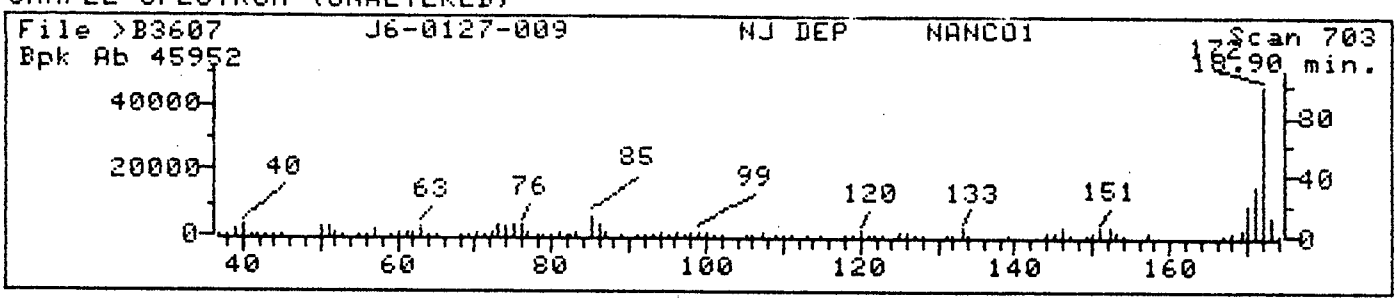
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



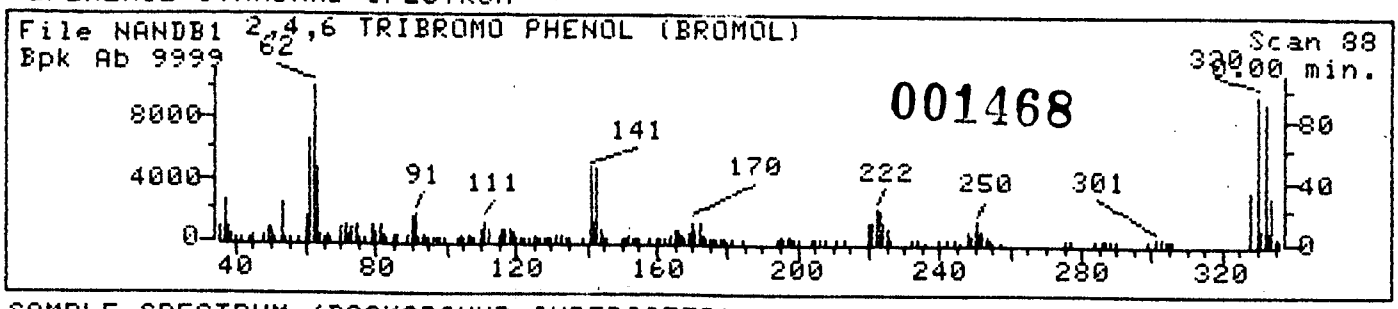
SAMPLE SPECTRUM (UNALTERED)



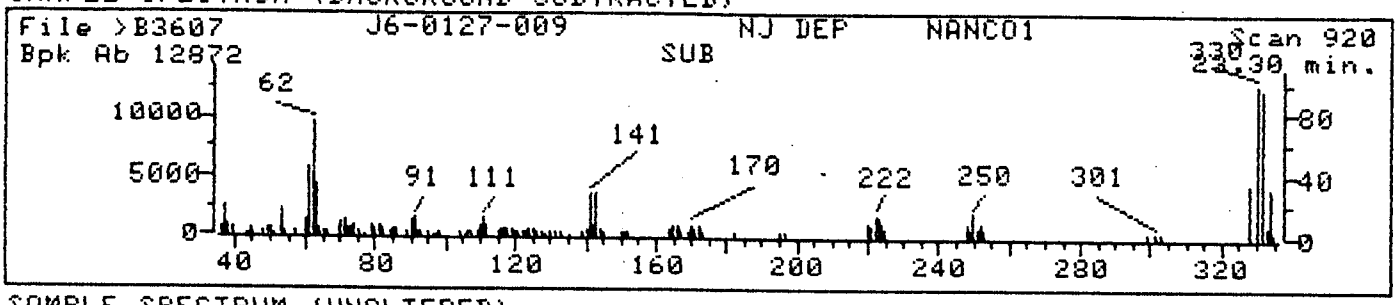
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 78
Compound Name: 2-Fluorobiphenyl (Surr)
Scan Number: 703
Retention Time: 18.90 min.
Area: 141012
Concentration: 2018.55 UG
q-value: 97

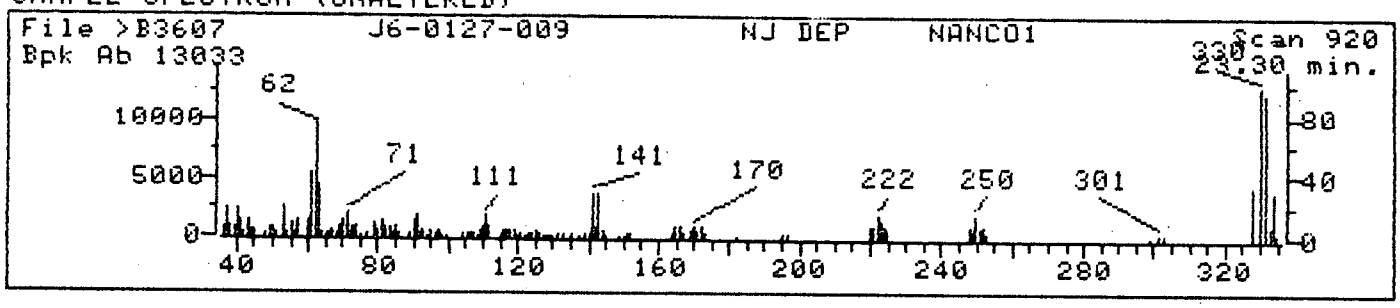
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



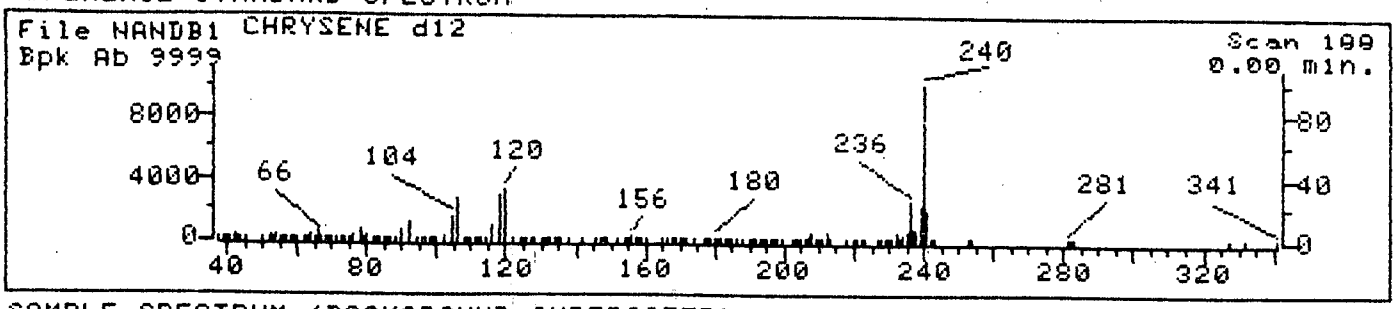
SAMPLE SPECTRUM (UNALTERED)



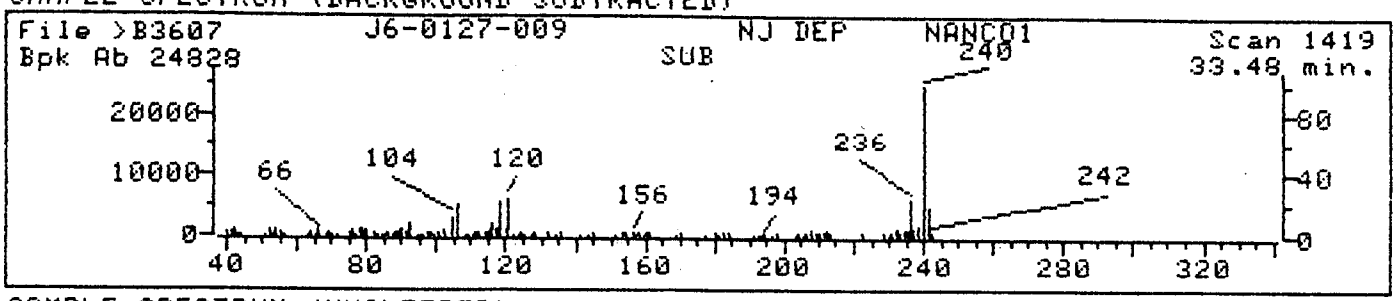
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 79
Compound Name: 2,4,6-Tribromophenol(Surr)
Scan Number: 920
Retention Time: 23.30 min.
Area: 40219
Concentration: 4016.24 UG
q-value: 93

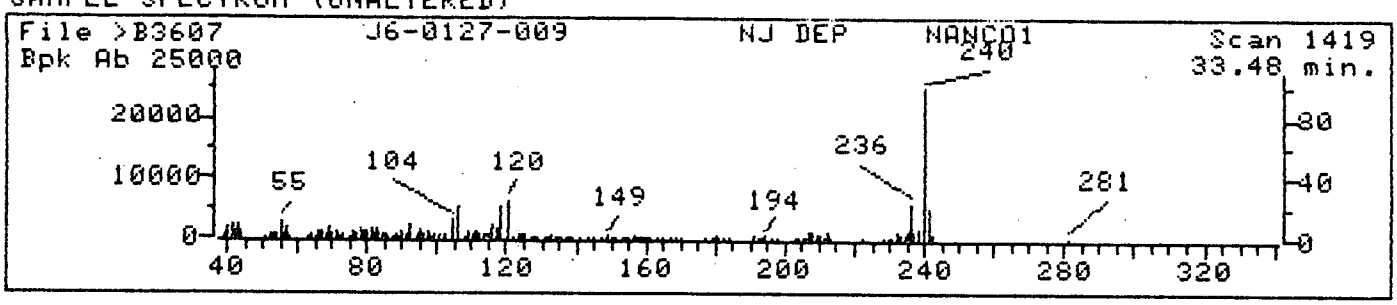
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



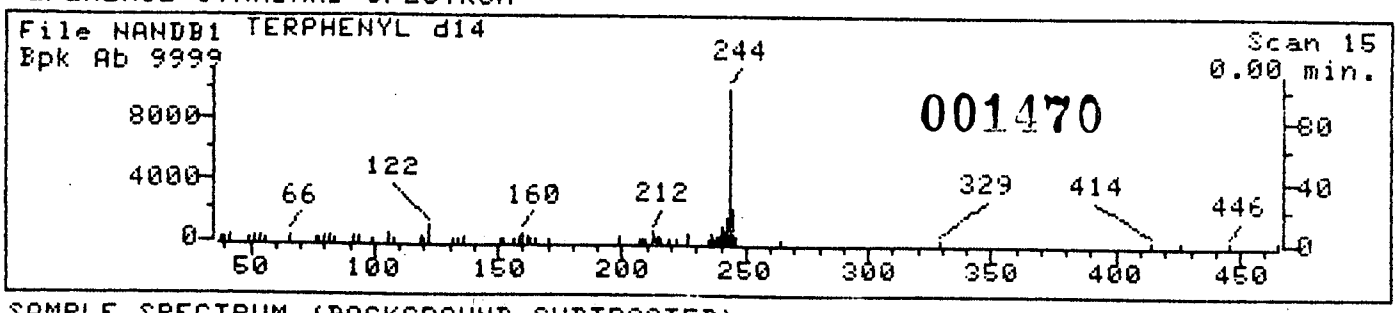
SAMPLE SPECTRUM (UNALTERED)



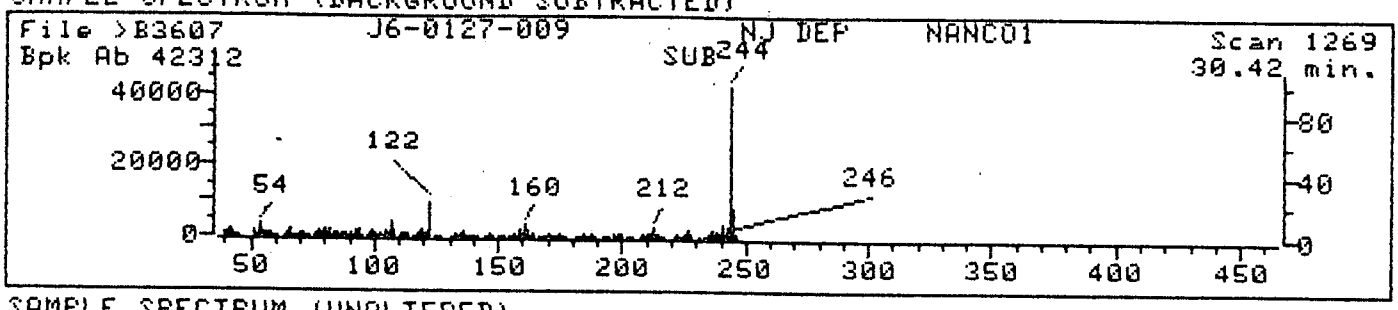
Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANC01 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 80 (ISTD)
Compound Name: Chrysene-d12 (IS)
Scan Number: 1419
Retention Time: 33.48 min.
Area: 106160
Concentration: 40.00 UG
q-value: 100

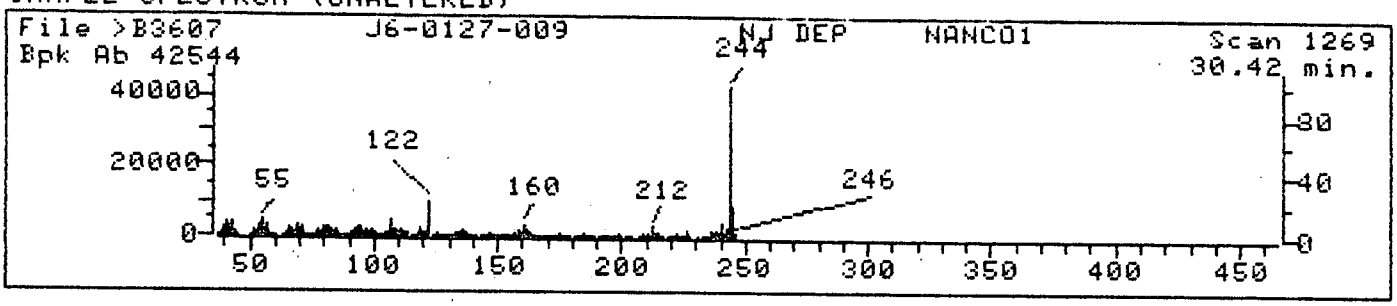
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >B3607::D3
Name: J6-0127-009
Misc: NJ DEP NANCO1 BTL# 9
Quant Time: 861003 18:59
Injected at: 861003 18:05

Compound No: 81
Compound Name: Terphenyl-d14 (Surr)
Scan Number: 1269
Retention Time: 30.42 min.
Area: 120978
Concentration: 2056.81 UG
q-value: 99

MS data file header from : >B3607

Sample: J6-0127-009 Operator: GUPTILL MS 10/03/86 18:05
Misc : NJ DEP NANC01 BTL# 9
Sys. #: 1 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH01 Tuning file: MT7986 No. of extra records: 1
Source temp.: 200 Analyzer temp.: 220 Transfer line temp. : 280

Chromatographic temperatures :	30.	310.	0.	0.	0.
Chromatographic times, min. :	4.0	10.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	8.0	0.0	0.0	0.0	0.0

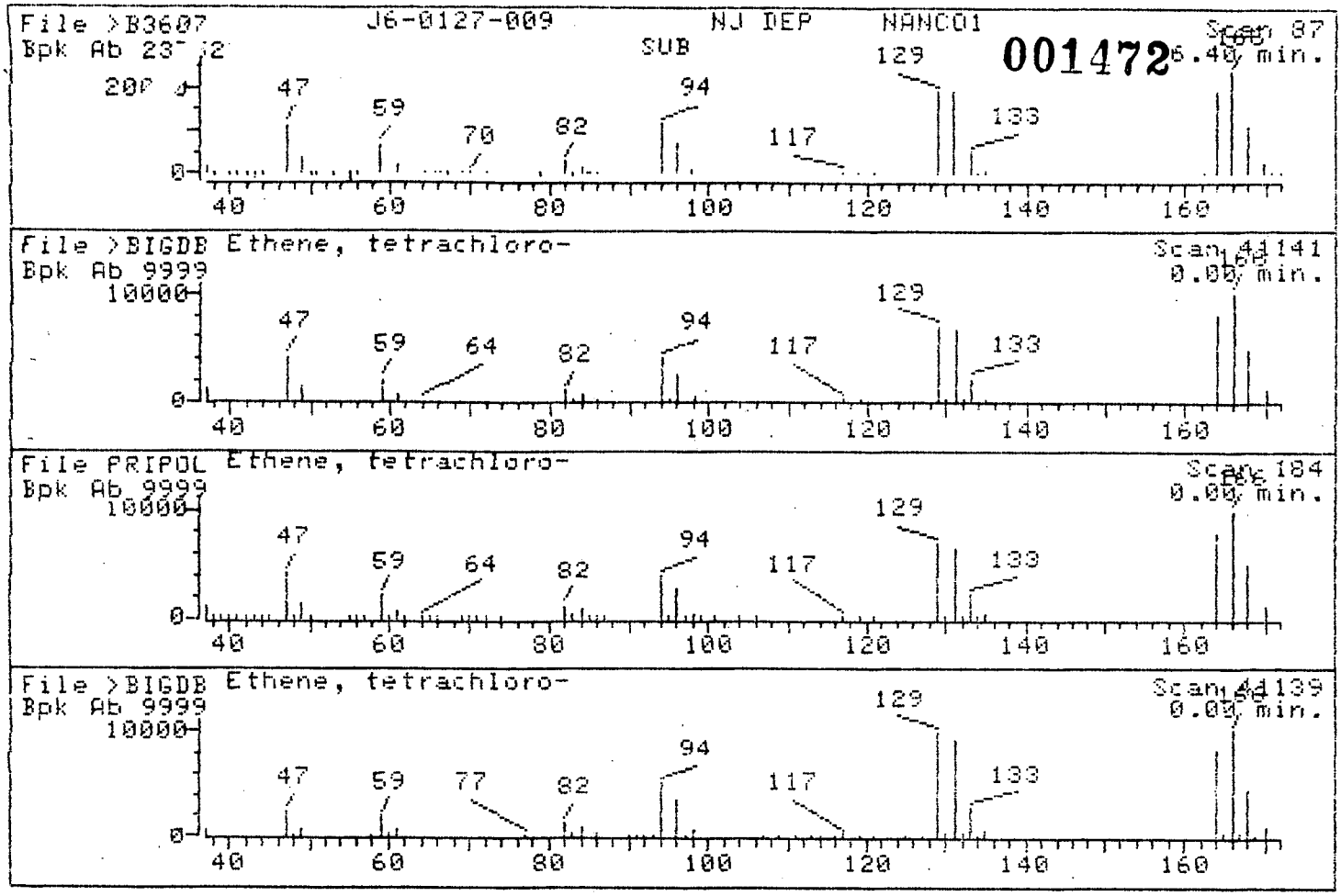
>B3607 J6-0127-009 NJ DEP NANC01
35.01 500.0 TIC

001471

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	6.398	84	87	94	152686	560341	450078	6.71	2.577
2	6.703	100	102	105	88317	250000	188074	2.80	1.077
3	6.906	108	112	118	265314	719750	598148	8.92	3.425
4	7.088	118	121	124	320507	1035821	950363	14.17	5.442
5	7.575	139	145	147	1649711	6797723	6707718	100.00	38.410
6	7.616	147	147	155	67551	425794	287813	4.29	1.648
SR 7	8.509	188	191	198	312669	752217	670341	9.99	3.839
8	10.700	297	299	305	166186	604057	511518	7.63	2.929
9	10.883	305	308	315	141777	475726	375180	5.59	2.148
R 10	11.126	317	320	330	275688	819292	674027	10.05	3.860
IS 11	11.654	343	346	349	231018	584299	519085	7.74	2.972
12	11.999	360	363	370	78609	312832	219025	3.27	1.254
SR 13	13.338	426	429	439	110070	430216	319563	4.76	1.830
IS 14	15.387	527	530	533	280524	764880	718502	10.71	4.114
SR 15	18.897	697	703	708	151415	577258	499395	7.45	2.860
IS 16	20.846	792	799	803	211919	789025	647728	9.66	3.709
17	22.674	877	889	893	51813	482772	249333	3.72	1.428
R 18	23.325	912	921	923	132678	799327	554881	8.27	3.177
19	24.118	958	960	963	72740	384111	213391	3.18	1.222
20	24.220	963	965	967	61622	291039	145207	2.16	.831
IS 21	25.340	1011	1020	1023	192220	1404729	797482	11.89	4.567
22	30.361	1261	1266	1267	34336	714251	184015	2.74	1.054
SR 23	30.422	1267	1269	1273	150187	903638	420988	6.28	2.411
IS 24	33.482	1415	1419	1425	80930	879376	339924	5.07	1.947
25 H	34.175	1446	1453	1456	46554	750607	221535	3.30	1.269

Sum of corrected areas: 17463328.

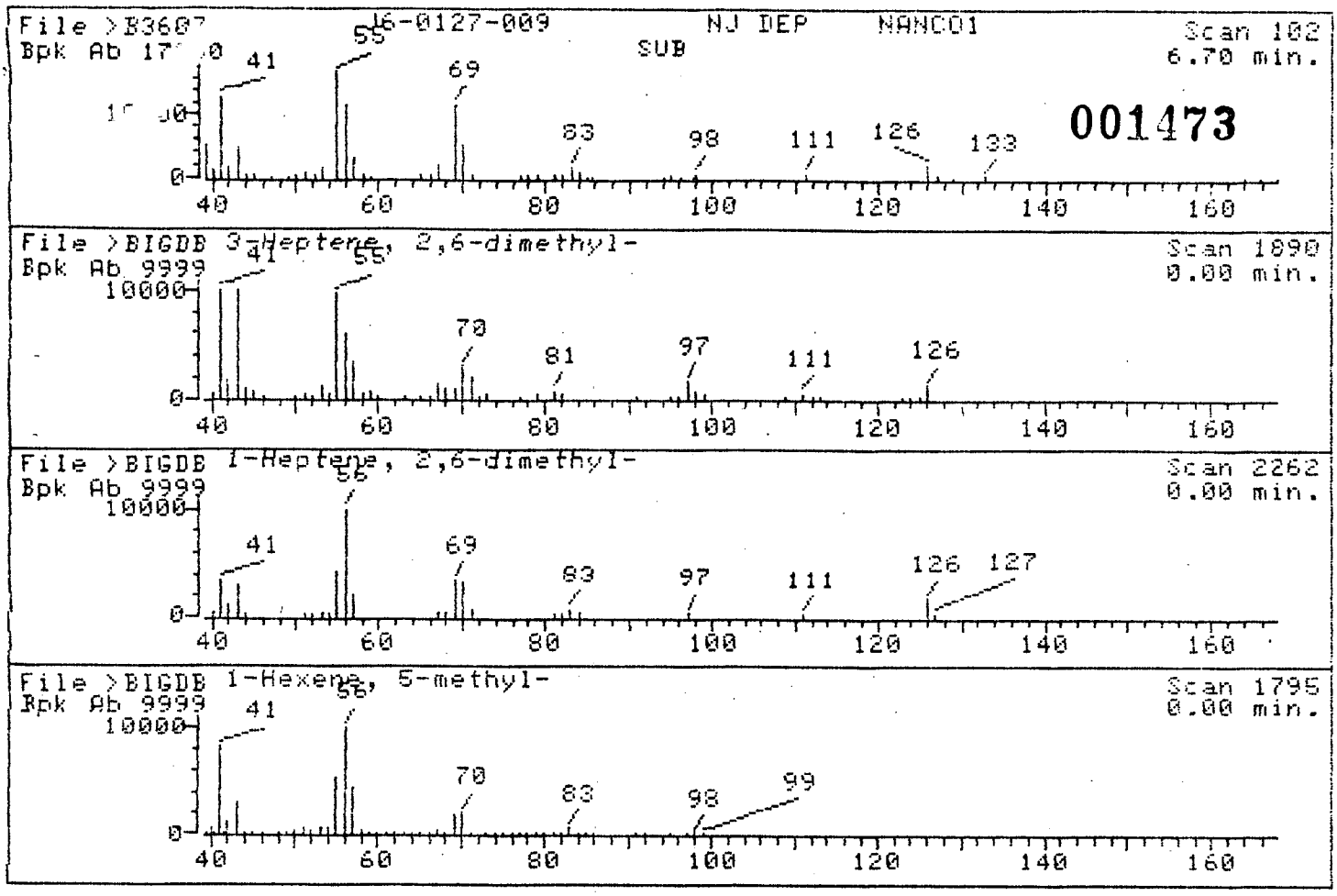
26) 37.56 1619



1. Ethene, tetrachloro- 164 C2Cl4
2. Ethene, tetrachloro- 164 C2Cl4
3. Ethene, tetrachloro- 164 C2Cl4
4. Ethene, tetrachloro- 164 C2Cl4
5. Ethene, tetrachloro- 164 C2Cl4

Sample file: >B3607 Spectrum #: 87
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	127184	41141	"BIGDB	115	28	2	0	95	0	72	93
2.	95*	184	283	PRIPOL	115	28	2	0	95	0	72	93
3.	86*	127184	41139	"BIGDB	82	49	1	0	69	10	59	78
4.	86*	182	281	PRIPOL	82	49	1	0	69	10	59	78
5.	74*	181	280	PRIPOL	67	55	2	0	94	12	39	46

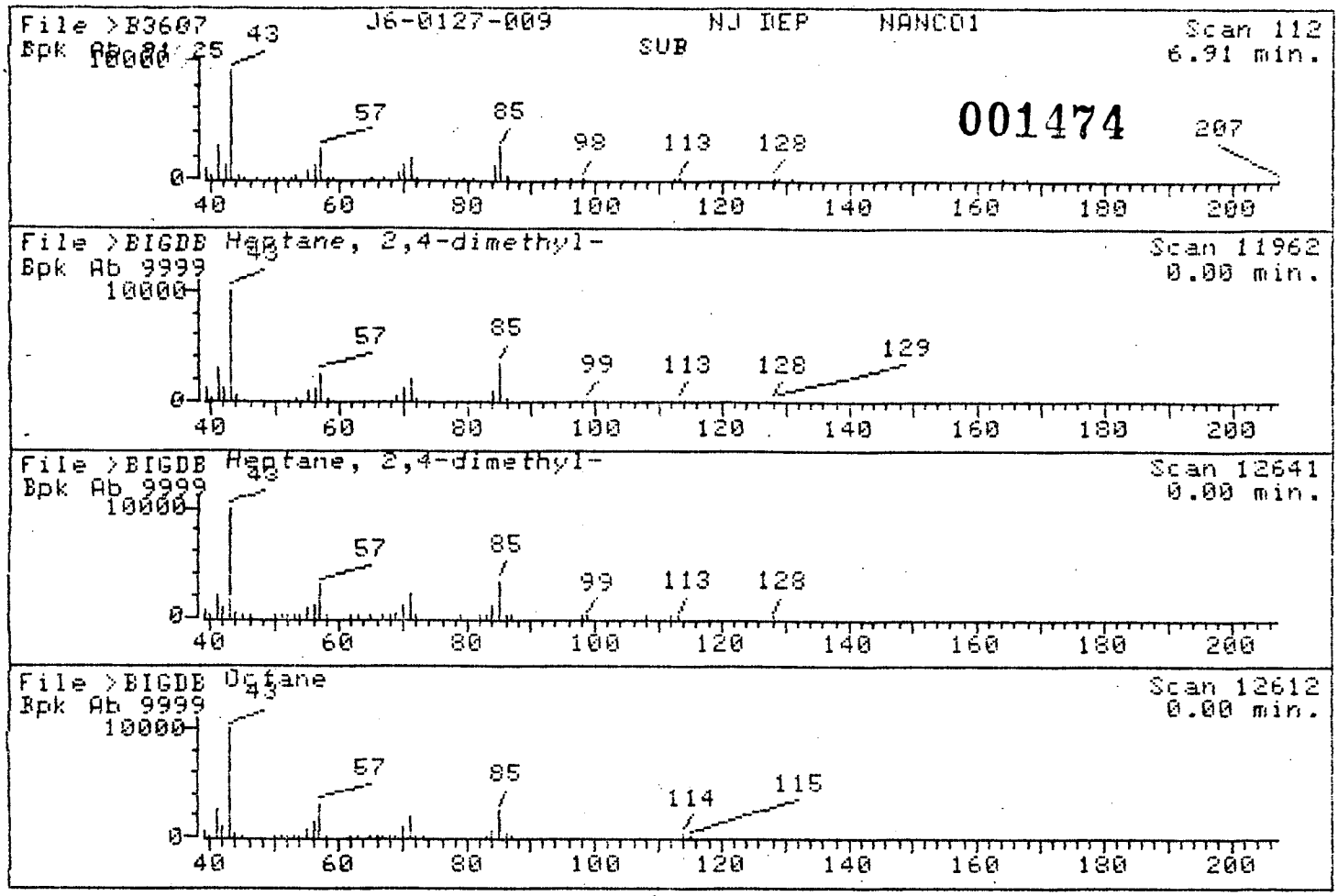


ALKENE

1.	3-Heptene, 2,6-dimethyl-	126	C9H18
2.	1-Heptene, 2,6-dimethyl-	126	C9H18
3.	1-Hexene, 5-methyl-	98	C7H14
4.	1-Heptene, 2,6-dimethyl-	126	C9H18
5.	Cyclopropane, propyl-	84	C6H12

Sample file: >B3607 Spectrum #: 102
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	42*	2738183	1890	"BIGDB	28	77	3	0	76	22	17	13
2.	28*	3074780	2262	"BIGDB	51	39	2	0	68	54	8	33
3.	27*	3524730	1795	"BIGDB	38	61	2	0	68	43	8	15
4.	26*	3074780	1891	"BIGDB	47	45	0	0	67	58	7	55
5.	25*	2415727	1768	"BIGDB	30	58	2	0	68	50	7	15

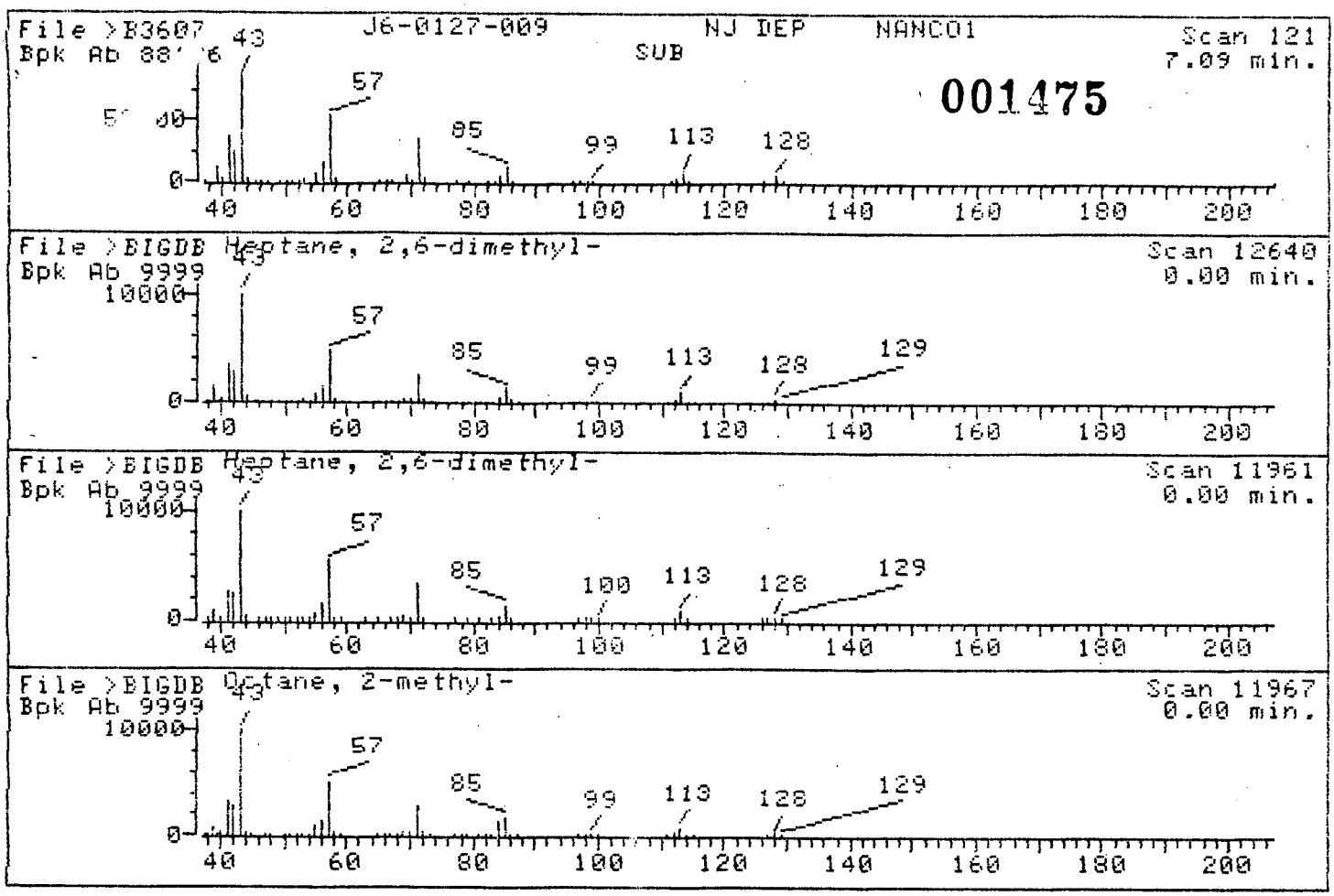


ALKANE

1.	Heptane, 2,4-dimethyl-	128	C9H20
2.	Heptane, 2,4-dimethyl-	128	C9H20
3.	Octane	114	C8H18
4.	Octane	114	C8H18
5.	Octane, 4-methyl-	128	C9H20

Sample file: >B3607 Spectrum #: 112
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	2213232	11962	"BIGDB	80	12	0	0	81	0	72	95
2.	95*	2213232	12641	"BIGDB	70	17	0	0	68	2	72	93
3.	86	111659	12612	"BIGDB	64	25	1	0	88	4	60	30
4.	83	111659	11907	"BIGDB	62	31	1	0	68	4	57	28
5.	79*	2216344	12645	"BIGDB	49	36	0	0	80	15	43	60

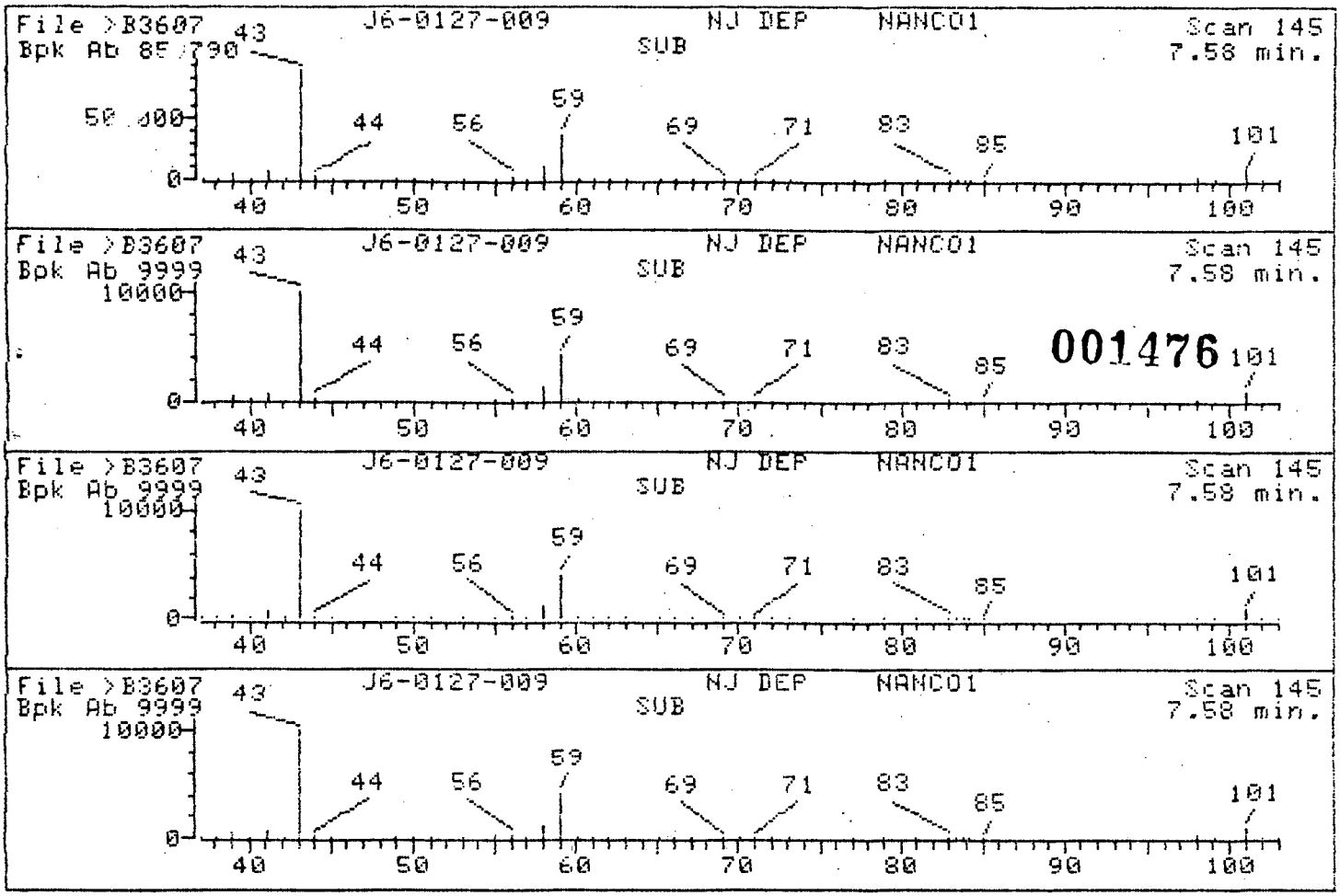


ALKANE

1. Heptane, 2,6-dimethyl-	128	C9H20
2. Heptane, 2,6-dimethyl-	128	C9H20
3. Octane, 2-methyl-	128	C9H20
4. Decane, 2-methyl-	156	C11H24
5. Decane, 2-methyl-	156	C11H24

Sample file: >B3607 Spectrum #: 121
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	1072055	12640	"BIGDB	76	16	0	0	96	10	68	94
2.	93*	1072055	11961	"BIGDB	74	16	1	0	98	2	68	83
3.	81*	3221612	11967	"BIGDB	60	33	2	0	100	6	53	44
4.	78	6975980	23859	"BIGDB	53	47	2	0	74	4	55	13
5.	70	6975980	7704	"BIGDB	45	49	2	0	72	6	42	12



U.K.

Sample file: >B3607 Spectrum #: 145

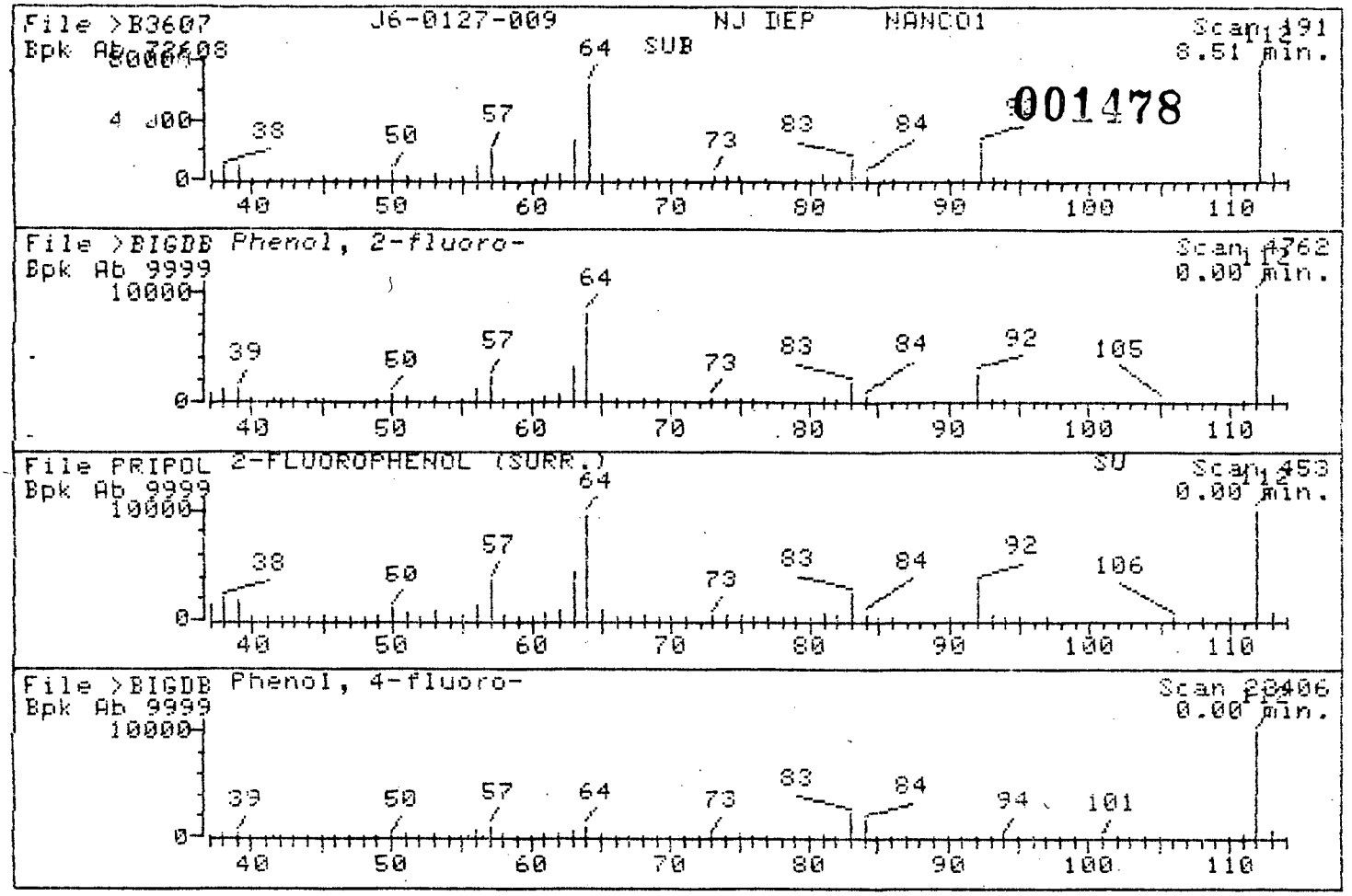
No data base entries were retrieved.

001477

U.K.

Sample file: >B3607 Spectrum #: 147

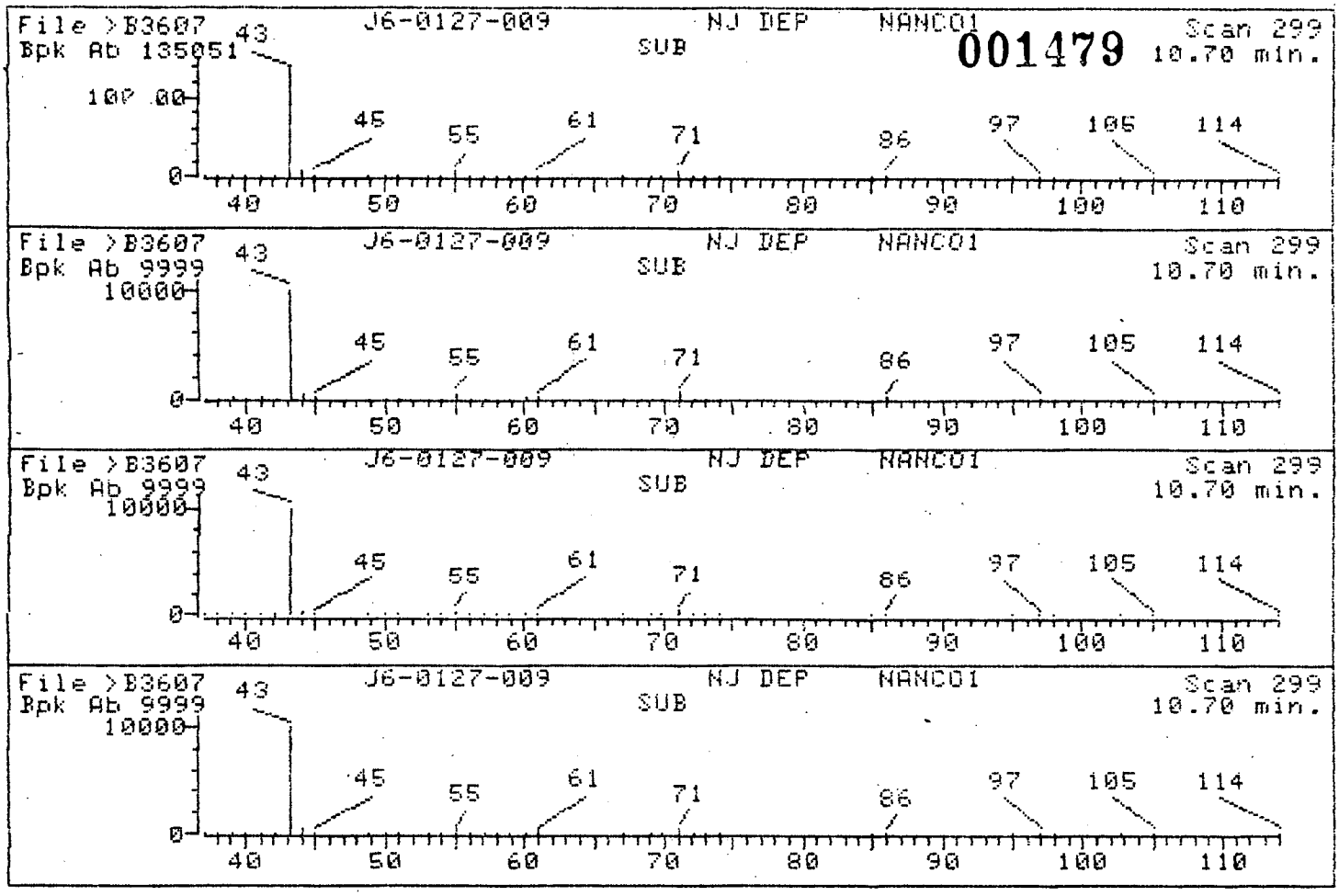
No data base entries were retrieved.



1.	Phenol, 2-fluoro-		112	C6H5FO
2.	2-FLUOROPHENOL (SURR.)	SU	112	C6.H5FO
	RROGATE COMPOUND	BNA		
	SURROGATE			
3.	Phenol, 4-fluoro-		112	C6H5FO
4.	1H-Tetrazaborole, 4,5-dihydro-1,4,5-trimethyl-		112	C3H9BN4
5.	2-Thiophenecarboxaldehyde		112	C5H4OS

Sample file: >B3607 Spectrum #: 191
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

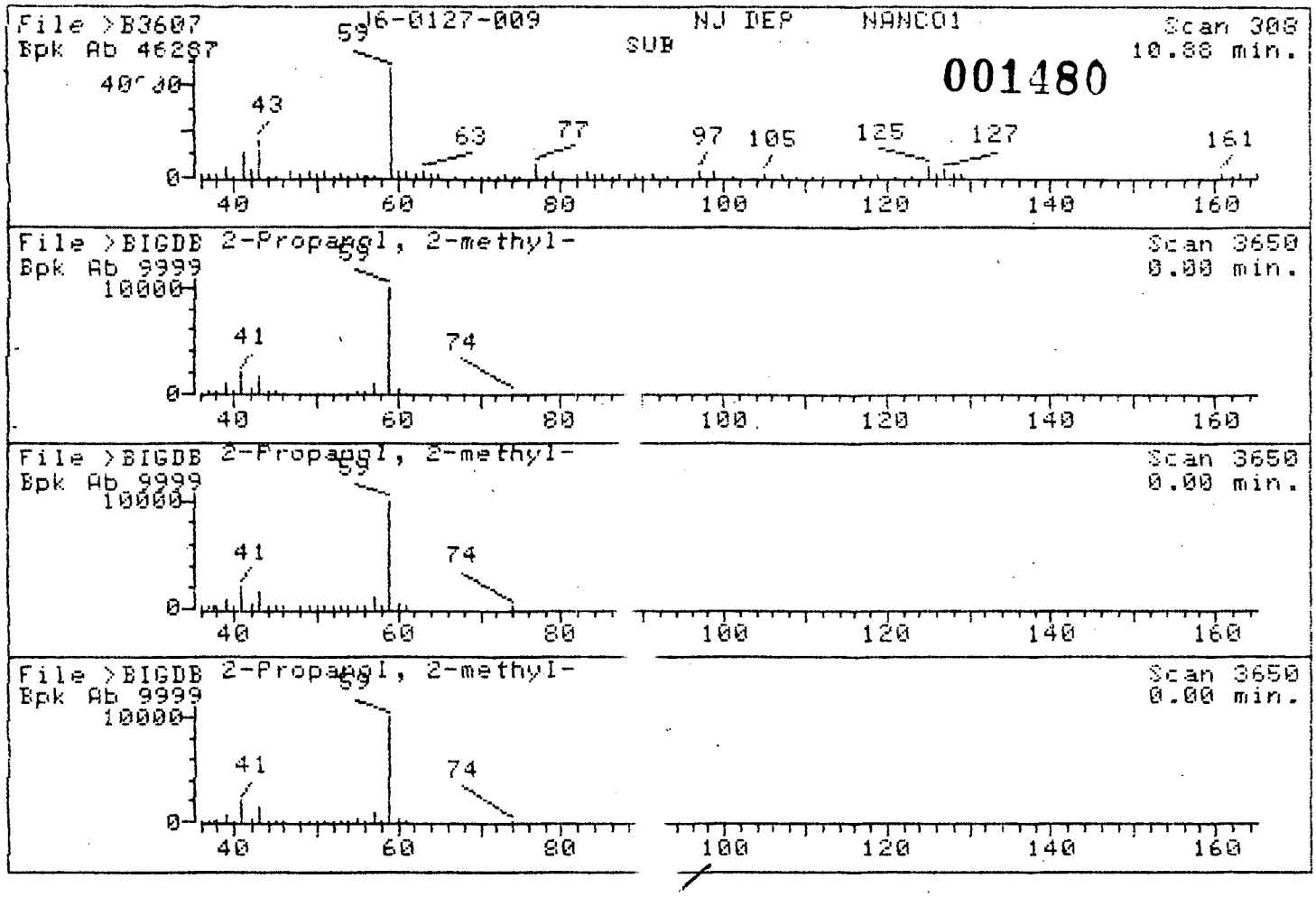
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	367124	4762	"BIGDB	95	14	0	0	91	0	72	97
2.	91*	453	57	PRIPOL	80	36	0	0	61	33	50	94
3.	20*	371415	23406	"BIGDB	27	63	2	0	79	51	5	14
4.	20*	20546183	23379	"BIGDB	28	69	3	0	100	55	5	13
5.	15*	98033	23666	"BIGDB	32	65	3	0	118	60	3	13



001479

Sample file: >B3607 Spectrum #: 299

No data base entries were retrieved.

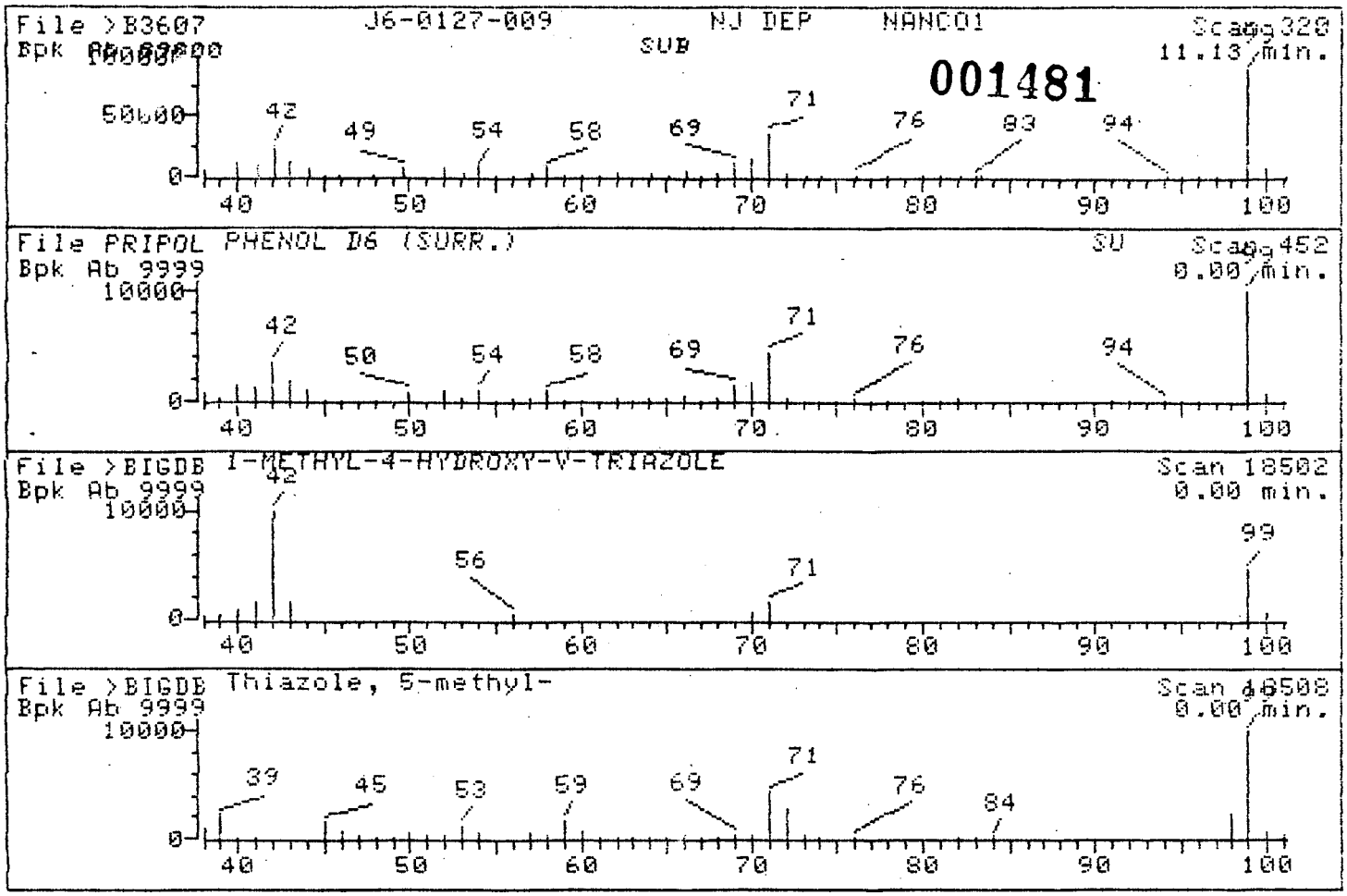


V ( ) ALCOHOL

1. 2-Propanol, 2-methyl- 74 C4H10O

Sample file: >B3607 Spectrum #: 308
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

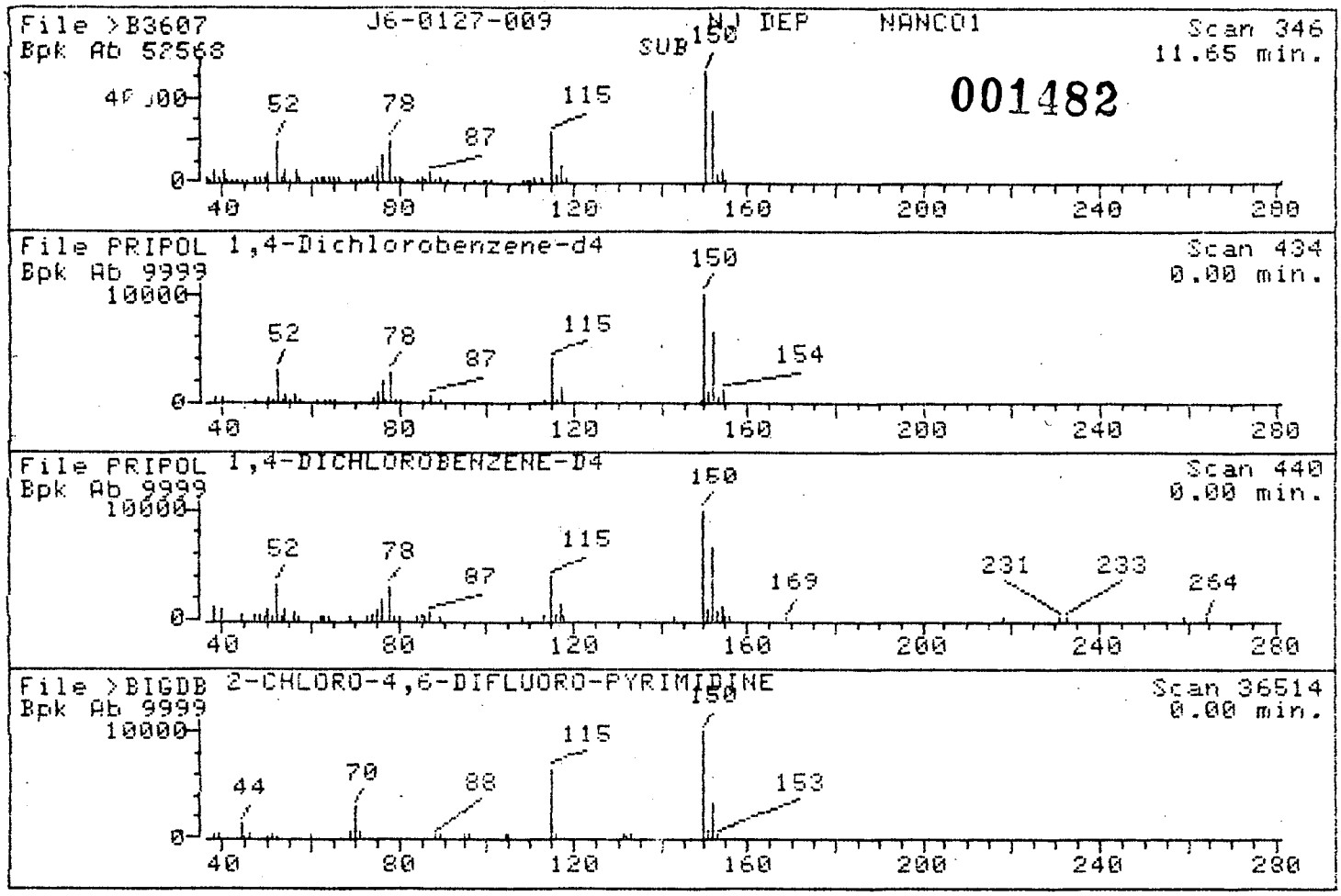
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	29	75650	3650	"BIGDB	35	42	2	0	100	35	12	12



1.	PHENOL D6 (SURR.) RROGATE COMPOUND SURROGATE	SU BNA	100 C6.D6.0
2.	1-METHYL-4-HYDROXY-V-TRIAZOLE		99 C3H5N3O
3.	Thiazole, 5-methyl-		99 C4H5NS
4.	3,4-DIAMINO-1,2,4-TRIAZOLE		99 C2H5N5
5.	Pyrrolidine		71 C4H9N

Sample file: >B3607 Spectrum #: 320
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	452	159	PRIPOL	93	1	0	0	80	2	72	97
2.	35*	0	18502	"BIGDB	24	47	3	0	217	28	14	12
3.	29*	3581893	18508	"BIGDB	23	87	3	0	91	32	12	12
4.	25*	0	18500	"BIGDB	22	35	2	0	100	46	7	13
5.	15*	123751	7607	"BIGDB	23	70	3	0	96	57	3	12



1. 1,4-Dichlorobenzene-d4 150 C6.D4.CL4

800

2. 1,4-DICHLOROBENZENE-D4 150 C6.D4.CL4

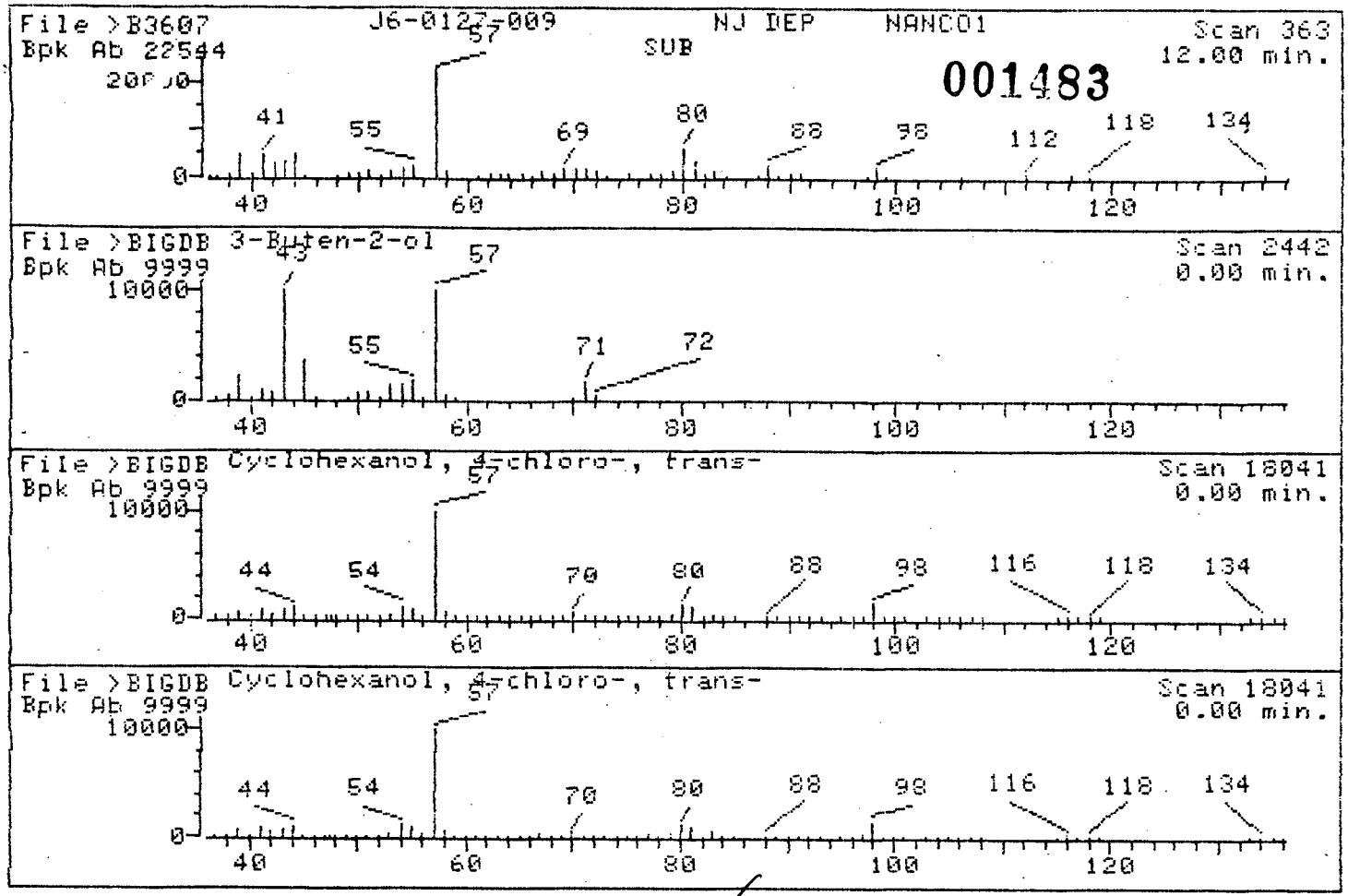
BNA

INTERNAL STD. 1

3. 2-CHLORO-4,6-DIFLUORO-PYRIMIDINE 150 C4HC1F2N2

Sample file: >B3607 Spectrum #: 346
Search speed: 1. Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	84*	434	256	PRIPOL	80	27	2	0	98	6	55	61
2.	83*	440	257	PRIPOL	72	38	2	0	96	8	54	54
3.	24*	38953309	36514	"BIGDB	22	73	3	0	69	41	8	12



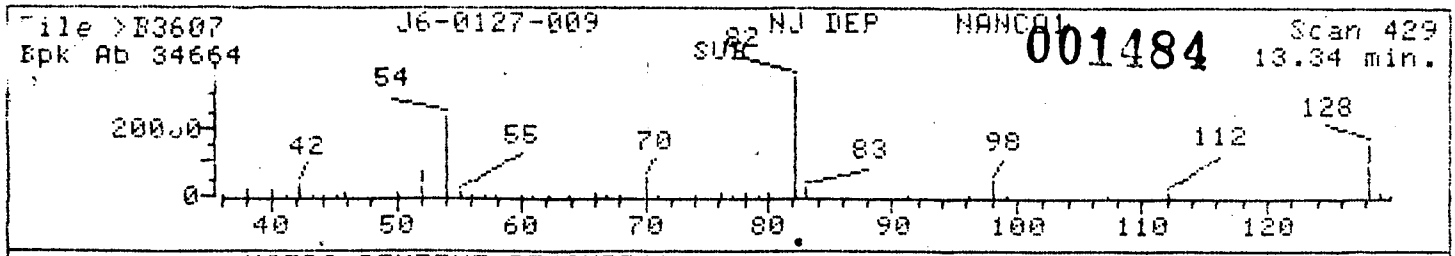
ALcohol

1. 3-Buten-2-ol 72 C4H8O
2. Cyclohexanol, 4-chloro-, trans- 134 C6H11ClO

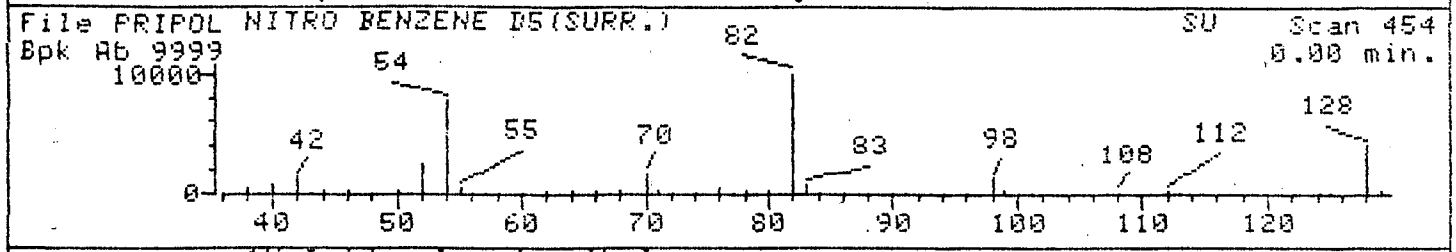
Sample file: >B3607 Spectrum #: 363
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	26*	598323	2442	"BIGDB	22	75	3	0	100	40	10	12
2.	15*	29538770	18041	"BIGDB	40	47	0	0	59	62	3	48

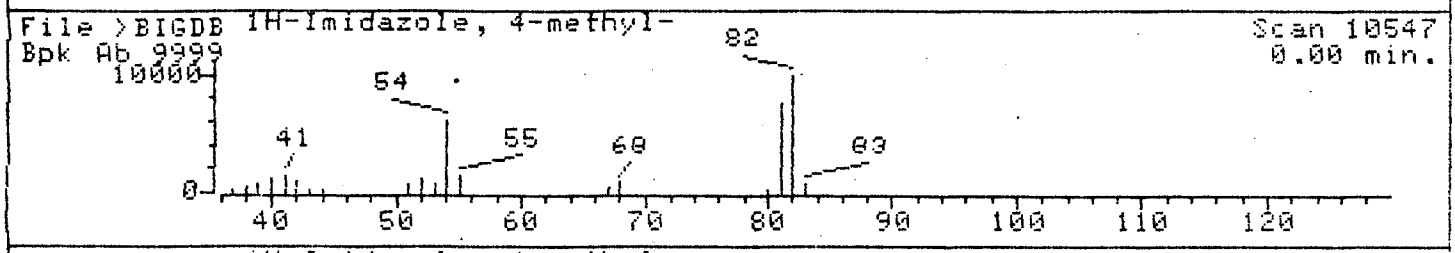
File >B3607 J6-0127-009 NJ DEP NANCAL 001484 Scan 429
Bpk Ab 34664 13.34 min.



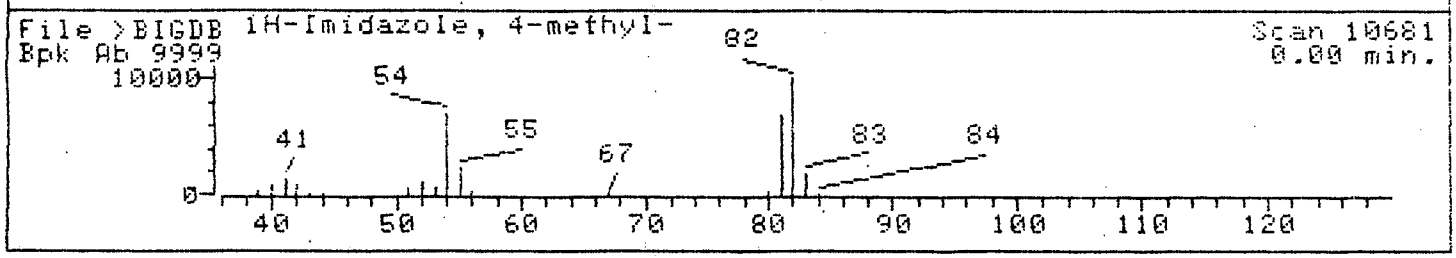
File PRIPOL NITRO BENZENE D5(SURR.) SU Scan 454
Bpk Ab 9999 0.00 min.



File >BIGDB 1H-Imidazole, 4-methyl- Scan 10547
Bpk Ab 9999 0.00 min.



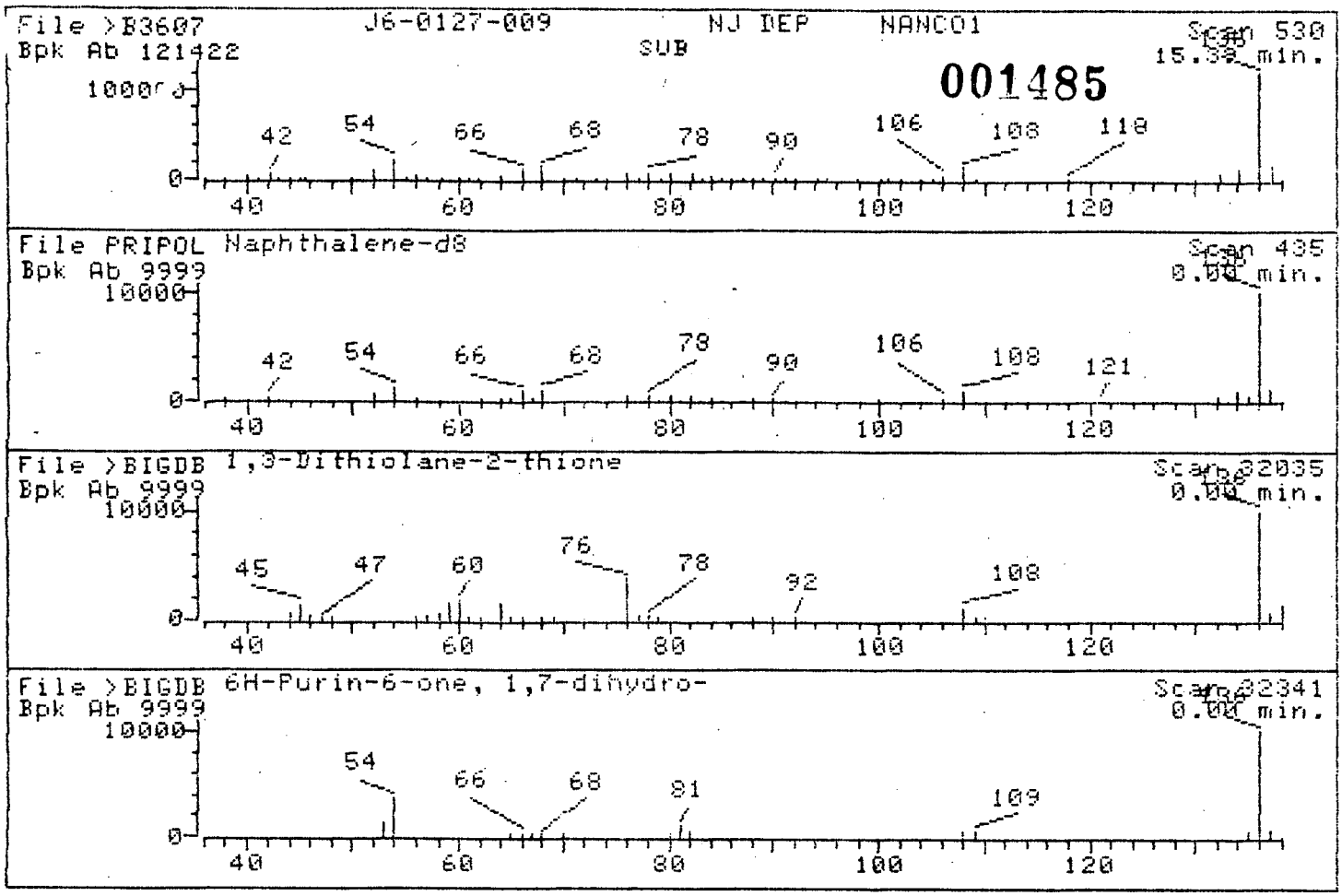
File >BIGDB 1H-Imidazole, 4-methyl- Scan 10681
Bpk Ab 9999 0.00 min.



1. NITRO BENZENE D5(SURR.) SU 128
   RROGATE COMPOUND BNA
   SURROGATE
2. 1H-Imidazole, 4-methyl- 82 C4H6N2
3. 1H-Imidazole, 4-methyl- 82 C4H6N2
4. 1H-Pyrazole, 3-methyl- 82 C4H6N2
5. 1H-Imidazole, 2-methyl- 82 C4H6N2

Sample file: >B3607 Spectrum #: 429
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

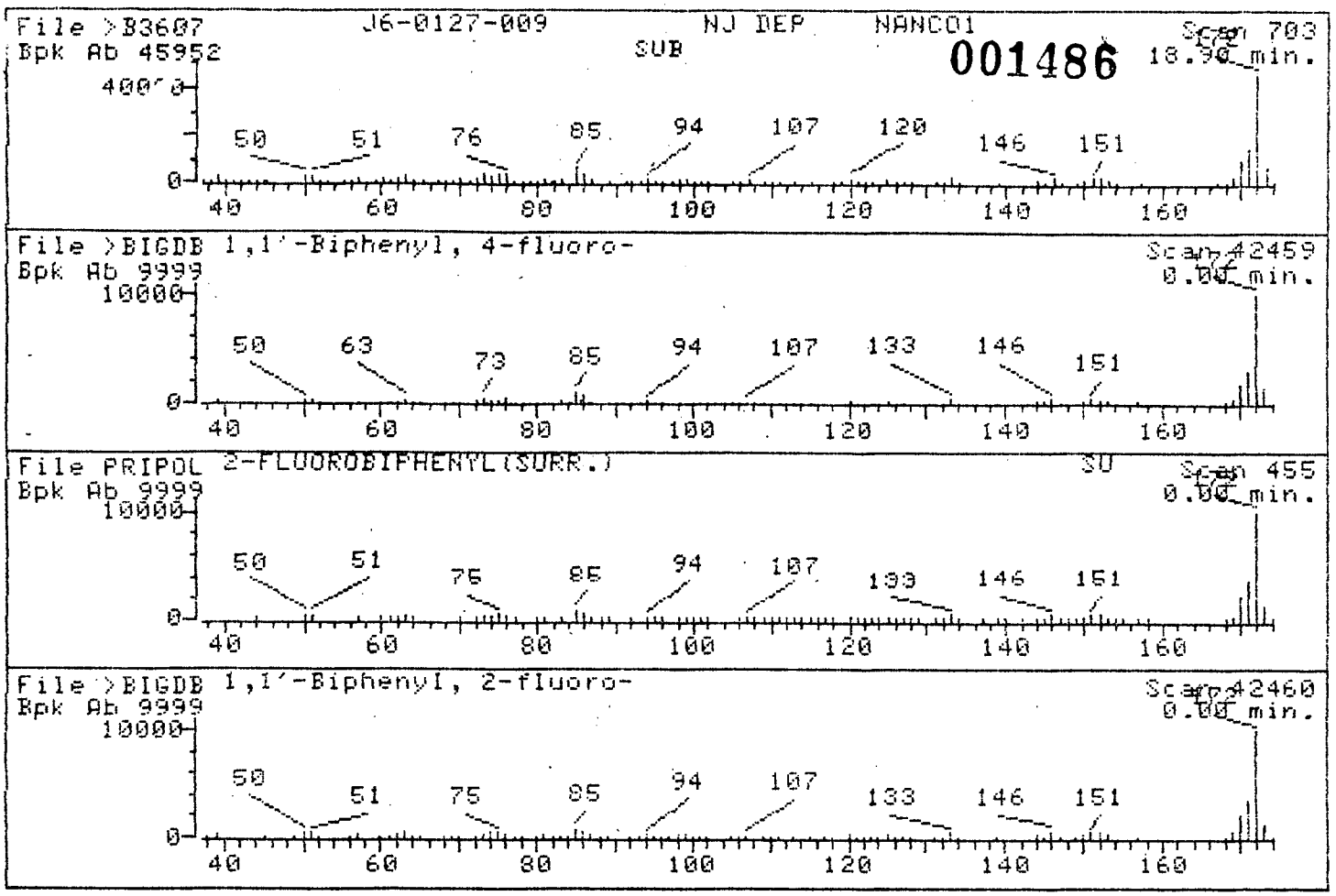
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	454	15	PRIPOL	103	0	0	0	77	0	72	97
2.	27*	822366	10547	"BIGDB	27	64	3	0	100	36	10	13
3.	27*	822366	10681	"BIGDB	28	68	3	0	96	36	10	13
4.	26*	1453583	10682	"BIGDB	22	68	3	0	100	38	10	12
5.	20*	693981	10680	"BIGDB	25	41	3	0	100	53	5	13



1. Naphthalene-d8 — 136 C10.D8
2. 1,3-Dithiolane-2-thione — 800 136 C3H4S3
3. 6H-Purin-6-one, 1,7-dihydro- — 136 C5H4N4O
4. 2H-Imidazo[4,5-b]pyrazin-2-one — 136 C5H4N4O
5. 6H-Purin-6-one, 1,7-dihydro- — 136 C5H4N4O

Sample file: >B3607 Spectrum #: 530
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

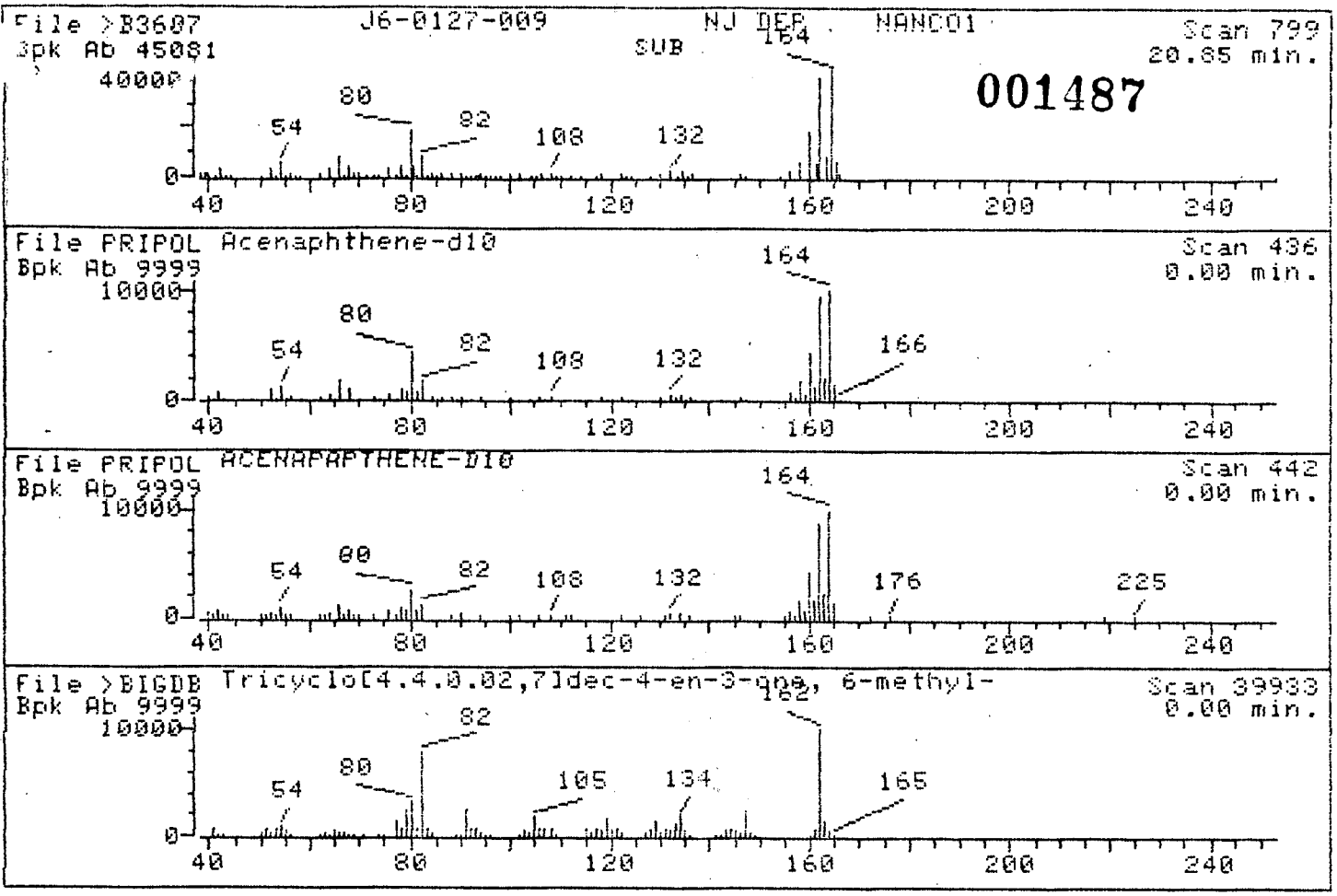
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89*	435	208	PRIPOL	72	21	1	0	87	3	66	72
2.	36*	822388	32035	"BIGDB	27	77	3	0	100	27	14	13
3.	35*	68940	32341	"BIGDB	24	61	3	0	100	27	14	12
4.	35*	16328635	32040	"BIGDB	22	86	3	0	100	27	14	12
5.	31*	68940	32340	"BIGDB	26	54	2	0	79	31	12	14



1.	1,1'-Biphenyl, 4-fluoro-		172	C12H9F
2.	2-FLUOROBIPHENYL(SURR.)	SU	172	C12H9F
	RROGATE COMPOUND	BNA		
	SURROGATE			
3.	1,1'-Biphenyl, 2-fluoro-		172	C12H9F
4.	2-Propenenitrile, 3-[4-(dimethylamino)phenyl]-		172	C11H12N2
5.	1,3-DIMETHYL-2,4-(1H,3H)-PYRIMIDINEDITHIONE		172	C6H8N2S2

Sample file: >B3607 Spectrum #: 703
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	324743	42459	"BIGDB	95	9	0	0	100	6	68	97
2.	97*	455	299	PRIPOL	95	9	0	0	88	6	68	97
3.	96*	321608	42460	"BIGDB	89	15	0	0	95	6	68	96
4.	25*	32444636	42458	"BIGDB	26	67	3	0	100	43	8	13
5.	24*	0	42396	"BIGDB	23	92	3	0	100	45	8	12



1. Acenaphthene-d10 164 C12.D10

800

2. ACENAPAPTHENE-D10 164 C12.D10

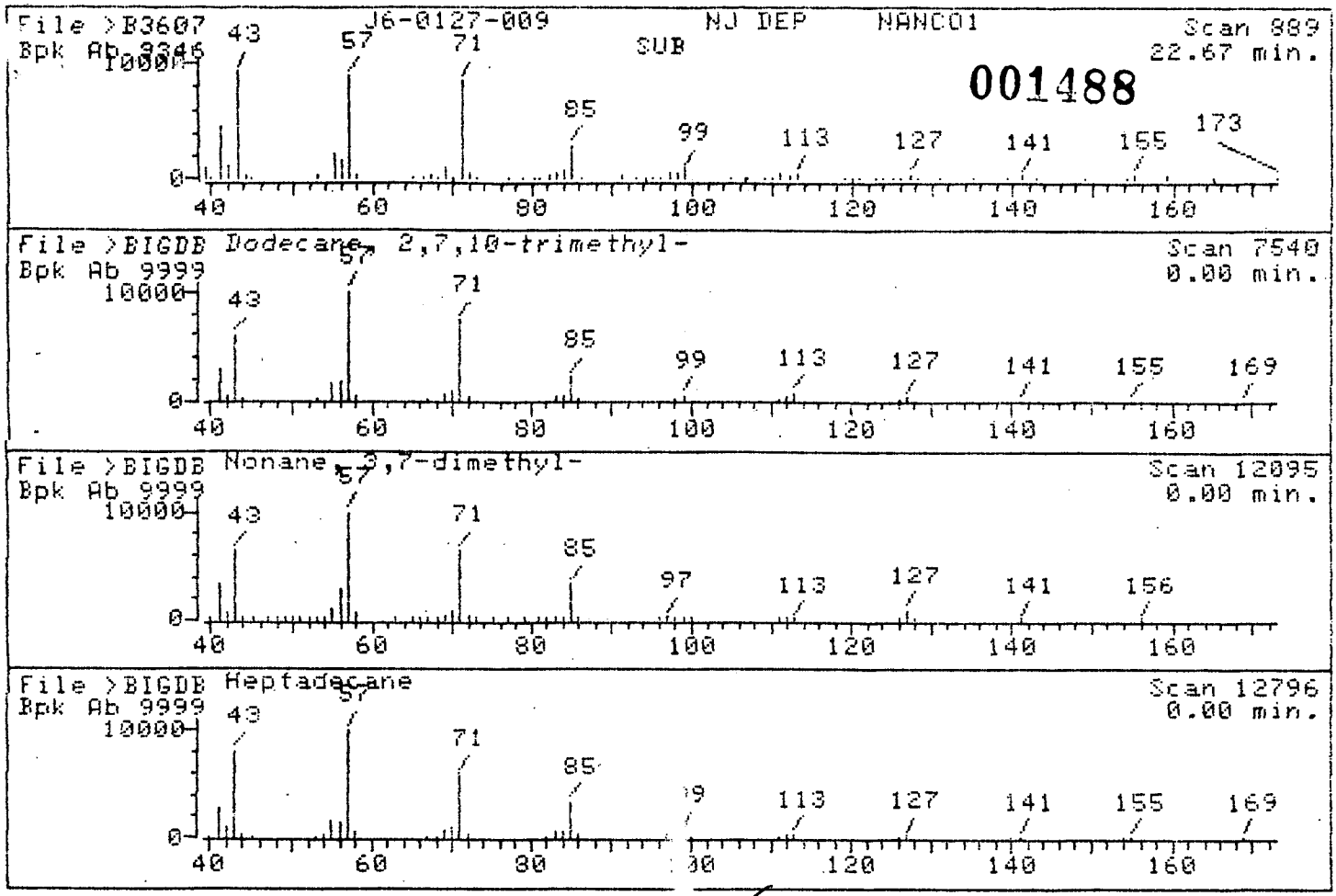
BNA

INTERNAL STD. 1

3. Tricyclo[4.4.0.02,7]dec-4-en-3-one, 6-methyl- 162 C11H14O
4. 6(5H)-Pteridinone, 2-methyl- 162 C7H6N4O
5. 7(8H)-Pteridinone, 4-methyl- 162 C7H6N4O

Sample file: >B3607 Spectrum #: 799
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	436	274	PRIPOL	111	7	1	0	73	0	72	96
2.	87*	442	275	PRIPOL	87	30	1	0	72	11	55	86
3.	25*	6518509	39933	"BIGDB	31	84	3	0	92	50	7	13

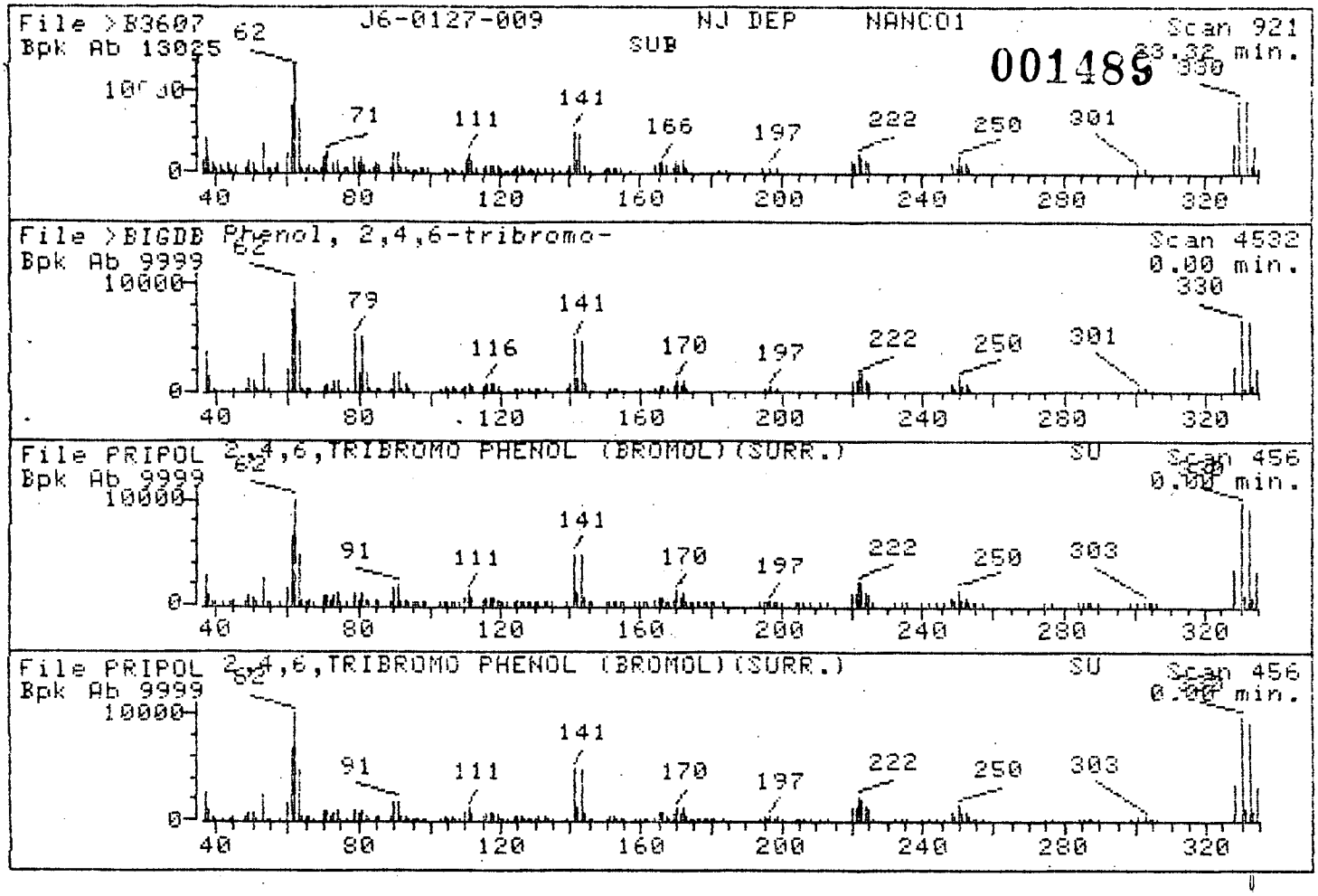


V (m) ALKANE

1.	Dodecane, 2,7,10-trimethyl-	212	C15H32
2.	Nonane, 3,7-dimethyl-	156	C11H24
3.	Heptadecane	240	C17H36
4.	Pentadecane	212	C15H32
5.	OCTANE, 2,3,6,7-TETRAMETHYL-	170	C12H26

Sample file: >B3607 Spectrum #: 889
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

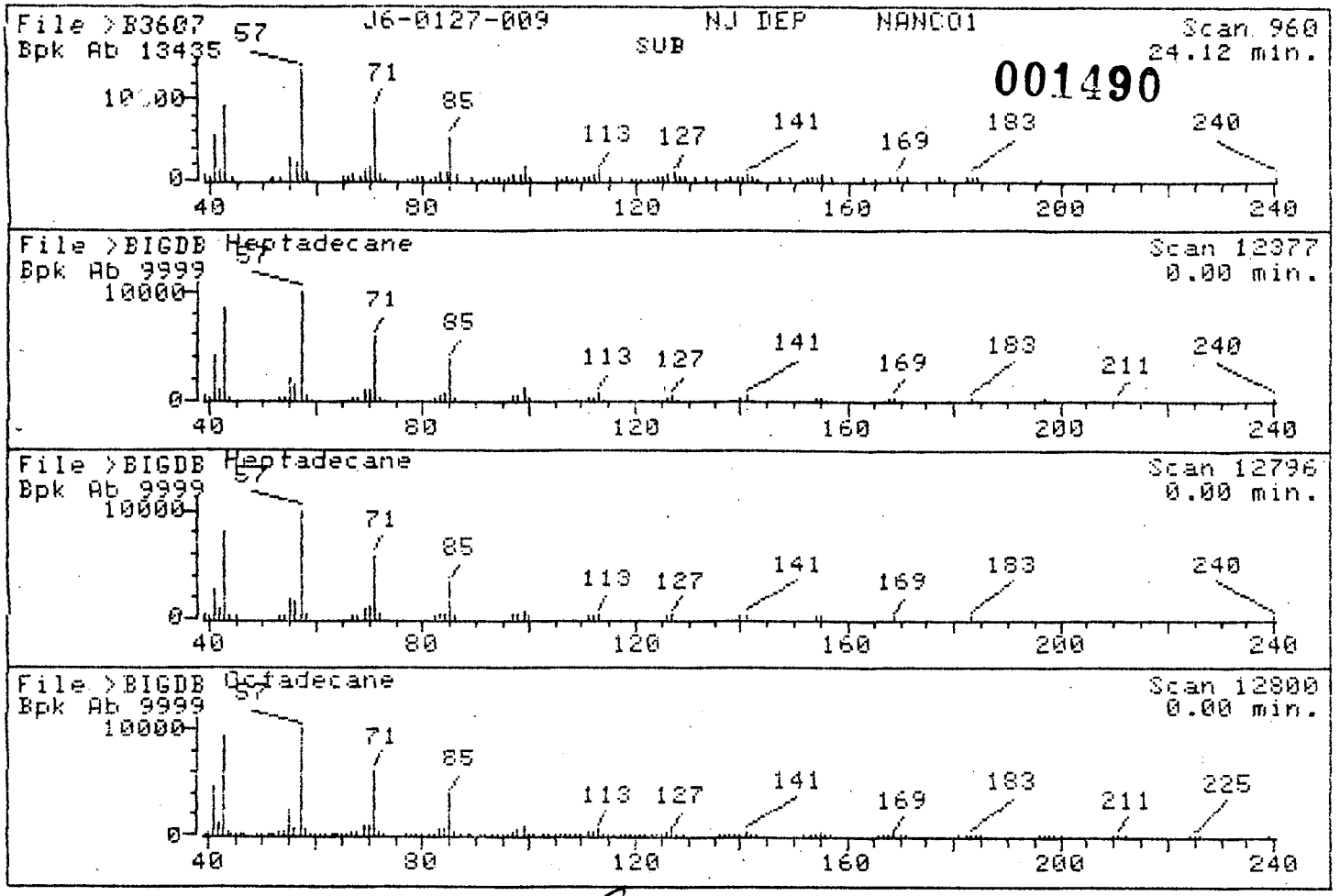
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	74645980	7540	"BIGDB	61	48	2	0	94	5	55	12
2.	60	17302328	12095	"BIGDB	48	38	3	0	94	12	30	13
3.	59	629787	12796	"BIGDB	90	21	2	0	94	22	27	35
4.	59	629629	12777	"BIGDB	77	32	1	0	99	22	27	30
5.	58	0	7458	"BIGDB	63	36	2	0	100	18	25	22



1. Phenol, 2,4,6-tribromo- 328 C6H3Br3O
2. 2,4,6,TRIBROMO PHENOL (BROMOL)(SURR.) SU 328 C6.H3.BR3O
RROGATE COMPOUND BNA
SURROGATE

Sample file: >B3607 Spectrum #: 921
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	99*	118796	4532	"BIGDB	190	12	1	0	75	0	72	99
2.	97*	456	36	PRIPOL	143	55	2	0	71	21	53	99

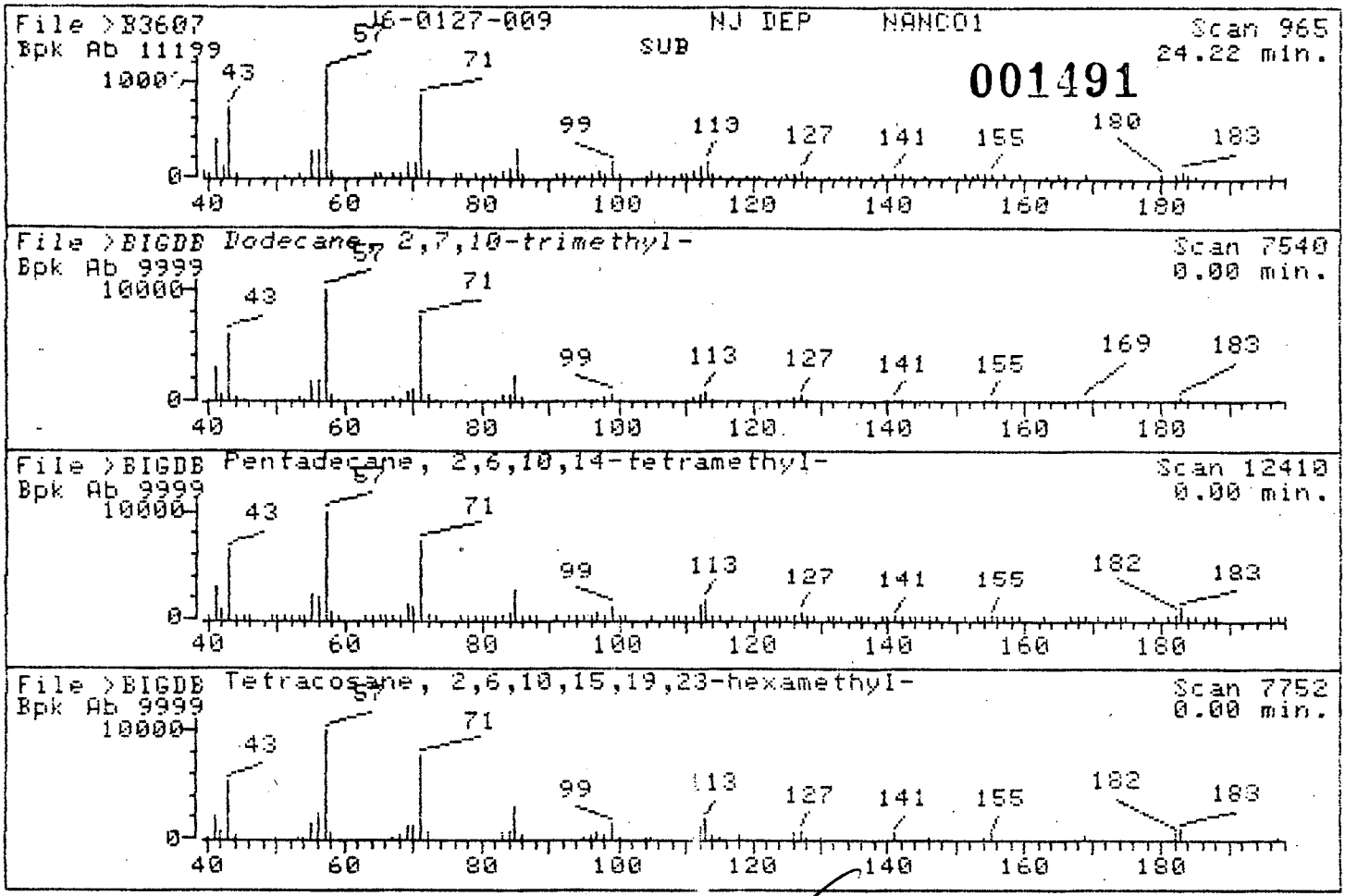


ALKANE

1. Heptadecane	240	C17H36
2. Heptadecane	240	C17H36
3. Octadecane	254	C18H38
4. Heptadecane	240	C17H36
5. Eicosane	282	C20H42

Sample file: >B3607 Spectrum #: 960
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	629787	12377	"BIGDB	107	15	1	0	81	3	72	96
2.	93*	629787	12796	"BIGDB	89	22	1	0	100	2	68	89
3.	89	593453	12800	"BIGDB	107	18	1	0	73	5	66	66
4.	89*	629787	12795	"BIGDB	77	44	1	0	74	3	66	74
5.	87	112958	12426	"BIGDB	106	22	2	0	87	3	63	42

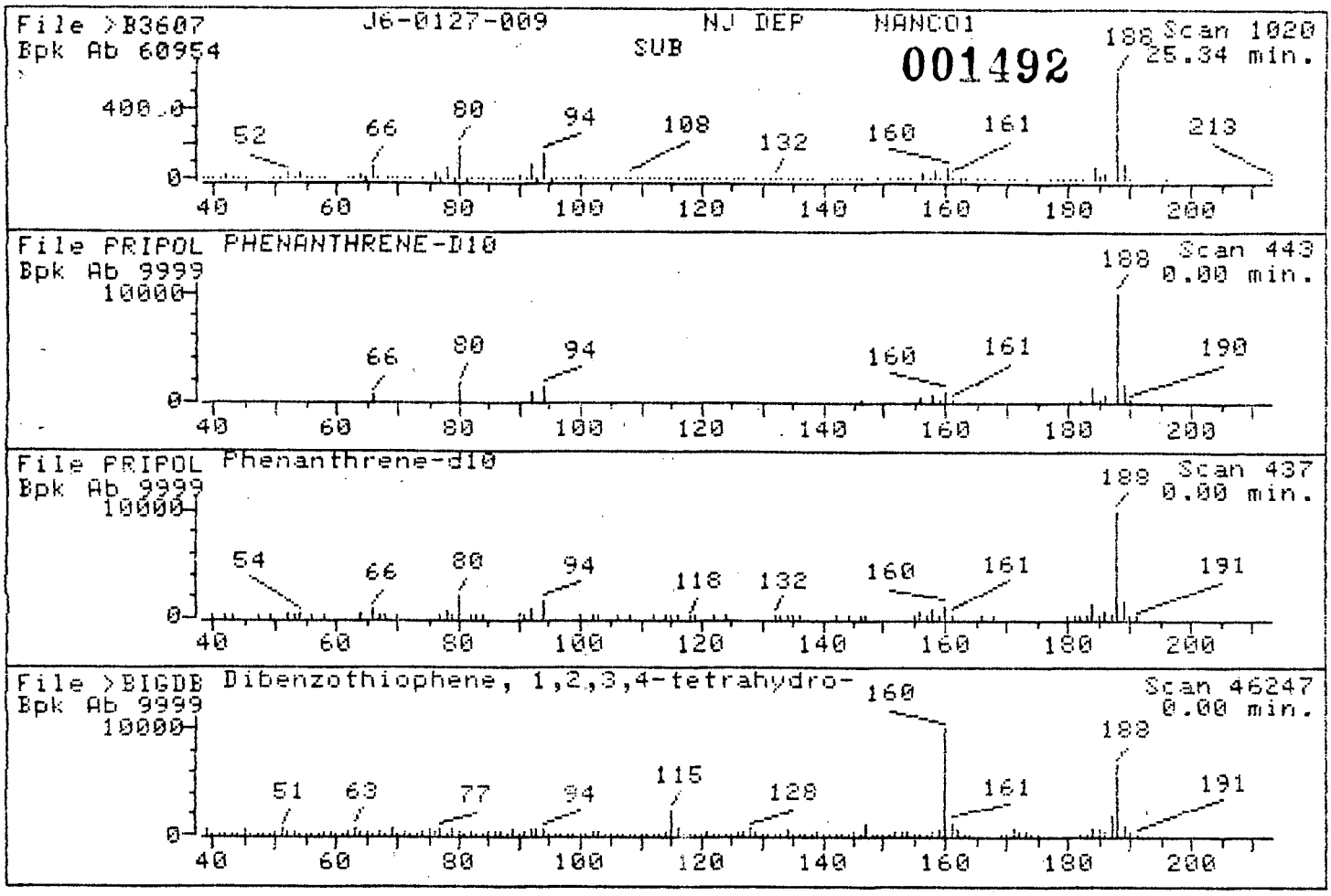


ALKANE

1. Dodecane, 2,7,10-trimethyl- 212 C15H32
2. Pentadecane, 2,6,10,14-tetramethyl- 268 C19H40
3. Tetracosane, 2,6,10,15,19,23-hexame hyl- 422 C30H62
4. Hexadecane, 2,6,10,14-tetramethyl- 282 C20H42
5. Tetracosane, 2,6,10,15,19,23-hexame hyl- 422 C30H62

Sample file: >B3607 Spectrum #: 965
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87	74645980	7540	"BIGDB	86	23	1	0	92	5	63	45
2.	83	1921706	12410	"BIGDB	83	49	2	0	75	2	57	23
3.	83	111013	7752	"BIGDB	90	64	2	0	74	1	57	27
4.	83	638368	7583	"BIGDB	79	56	2	0	71	5	57	21
5.	83	111013	12853	"BIGDB	82	68	2	0	80	0	57	22



1. PHENANTHRENE-D10 188 C14.D10

BNA

INTERNAL STD. 1

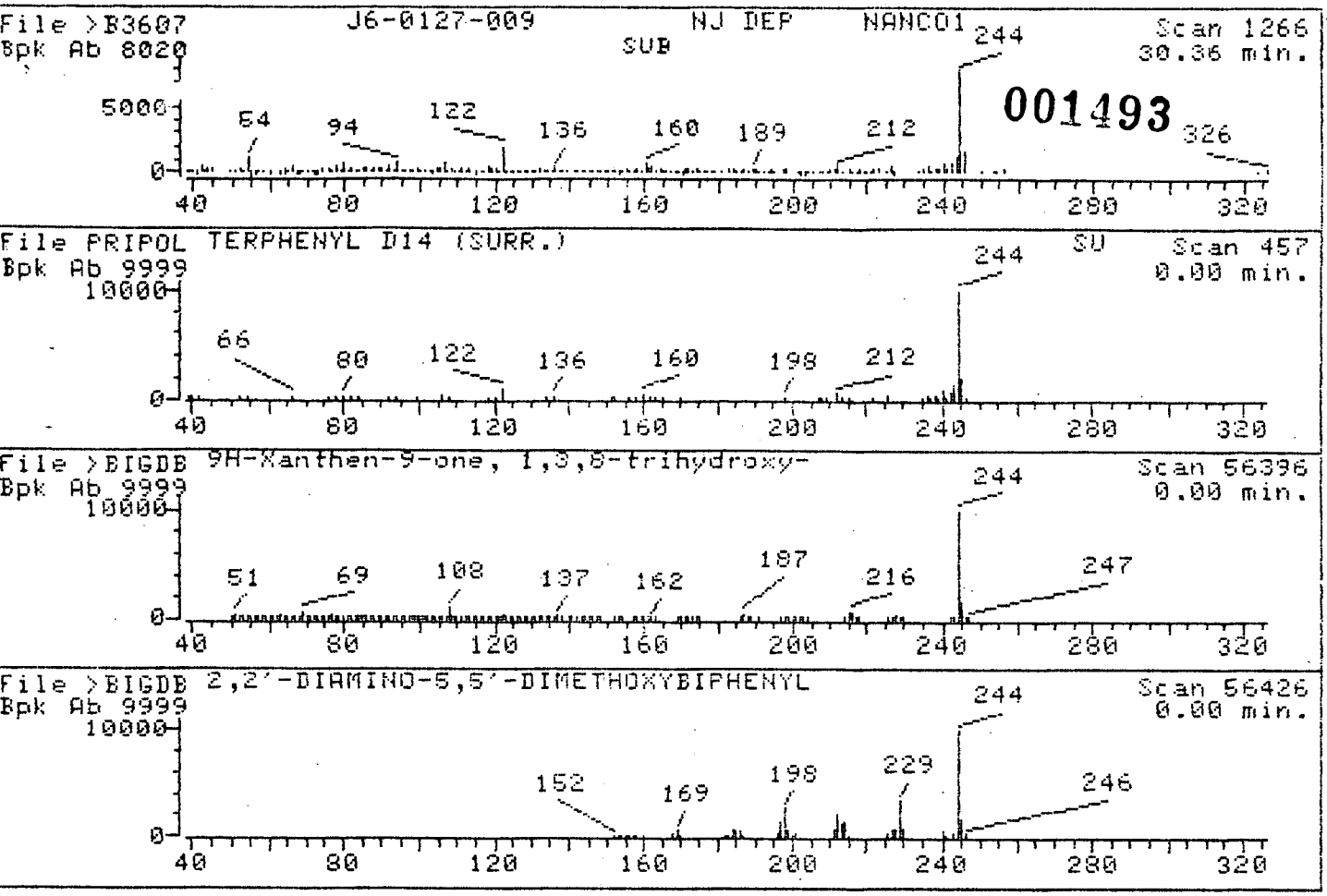
2. Phenanthrene-d10 188 C14.D10

800

3. Dibenzothiophene, 1,2,3,4-tetrahydro- 188 C12H12S
4. Selenide, ethyl 1-methyl-1-penten-3-ynyl 188 C8H12Se
5. 1,1'-Biphenyl, 4-chloro- 188 C12H9Cl

Sample file: >B3607 Spectrum #: 1020
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

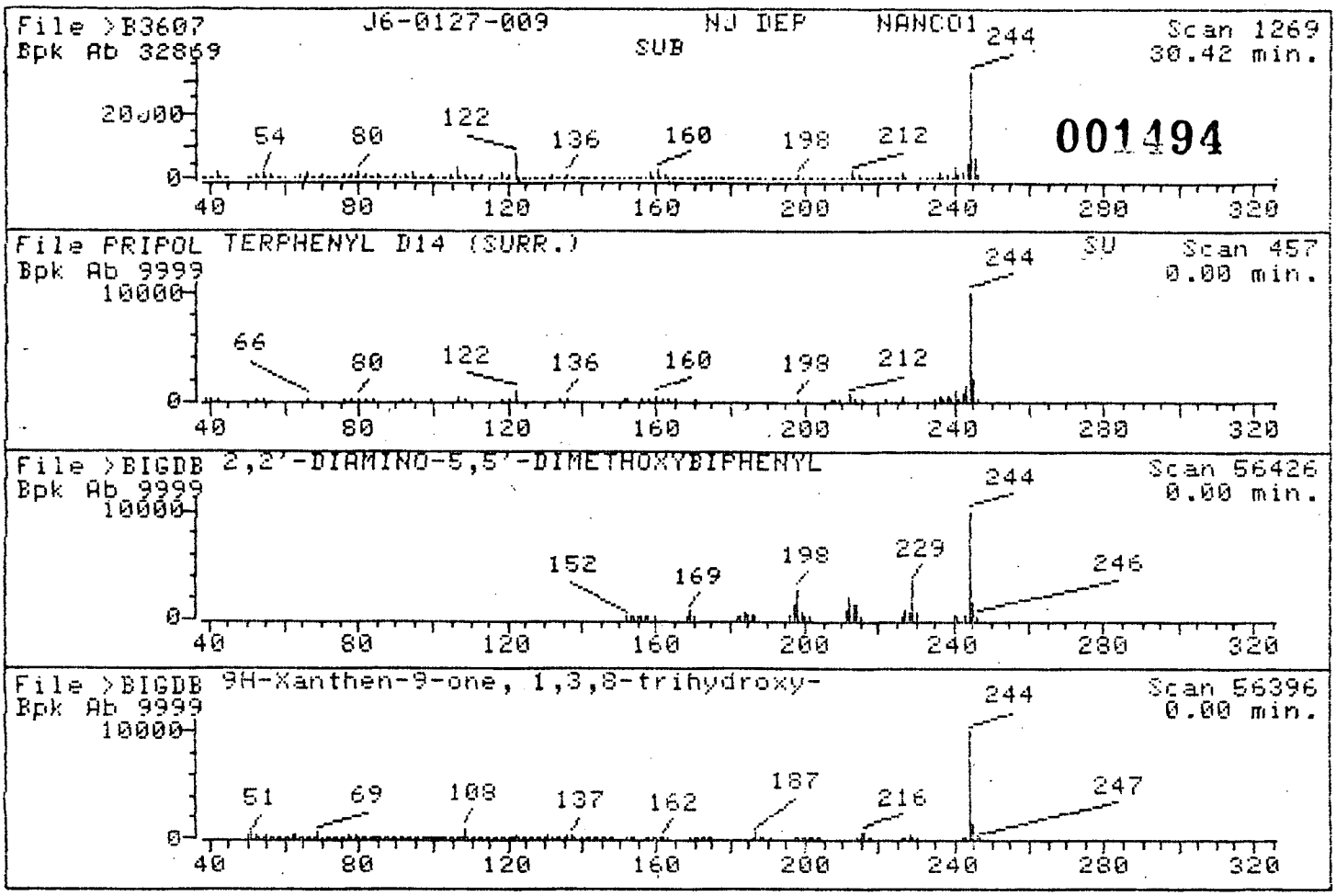
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	443	334	PRIPOL	95	17	0	0	93	11	64	97
2.	87*	437	333	PRIPOL	90	24	1	0	84	11	55	89
3.	27*	16587330	46247	"BIGDB	28	92	3	0	151	36	10	13



1. TERPHENYL D14 (SURR.) SU 244
RROGATE COMPOUND BNA
SURROGATE
2. 9H-Xanthen-9-one, 1,3,8-trihydroxy- 244 C13H8O5
3. 2,2'-DIAMINO-5,5'-DIMETHOXYBIPHENYL 244 C14H16N2O2
4. Matridin-15-one, 11,12,13,14-tetradehydro-, (6.beta. 244 C15H20N2O
5. 1H-Benzimidazol-4-ol, 1-(4-chlorophenyl)- 244 C13H9ClN2O

Sample file: >B3607 Spectrum #: 1266
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

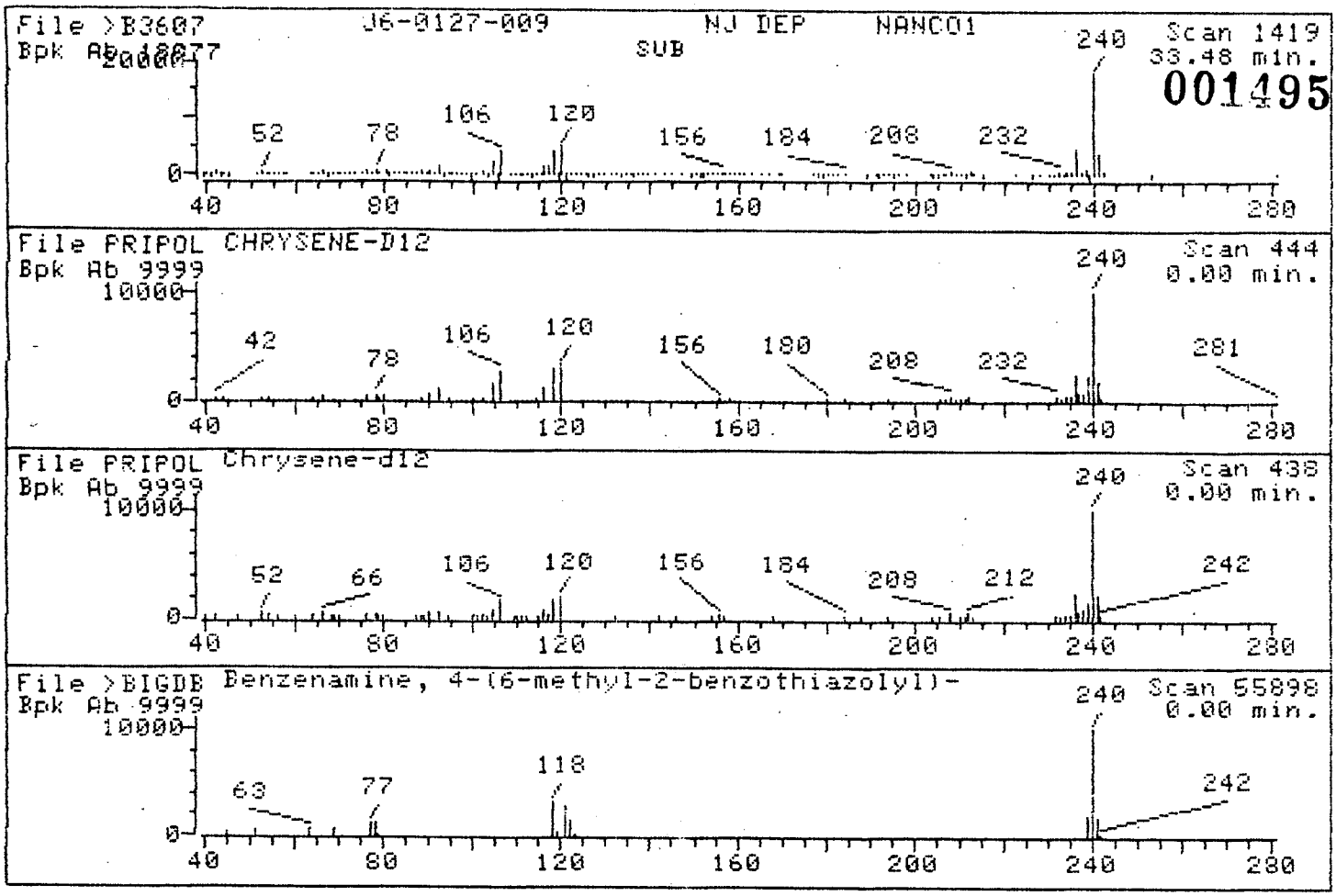
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83*	457	403	PRIPOL	76	61	2	0	99	10	54	59
2.	30*	6052933	56396	"BIGDB	23	94	2	0	100	35	12	13
3.	30*	0	56426	"BIGDB	25	123	3	0	100	32	12	13
4.	29*	6838342	56443	"BIGDB	24	129	3	0	100	32	12	12
5.	26*	54986468	56400	"BIGDB	24	121	3	0	100	38	10	12



1. TERPHENYL D14 (SURR.) SU 244
   RROGATE COMPOUND BNA
   SURROGATE
2. 2,2'-DIAMINO-5,5'-DIMETHOXYBIPHENYL 244 C14H16N2O2
3. 9H-Xanthen-9-one, 1,3,8-trihydroxy- 244 C13H8O5
4. DICYCLOOCTANOPYRIDAZINE 244 C16H24N2
5. Linderalactone 244 C15H16O3

Sample file: >B3607 Spectrum #: 1269
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	457	403	PRIPOL	116	21	1	0	73	14	64	97
2.	30*	0	56426	"BIGDB	31	117	3	0	100	34	12	13
3.	27*	6052933	56396	"BIGDB	23	94	2	0	100	40	10	13
4.	26*	0	56453	"BIGDB	23	126	3	0	100	37	10	12
5.	24*	728610	56431	"BIGDB	24	127	3	0	100	43	8	12



1. CHRYSENE-D12 240 C18.D12

BNA

INTERNAL STD. 1

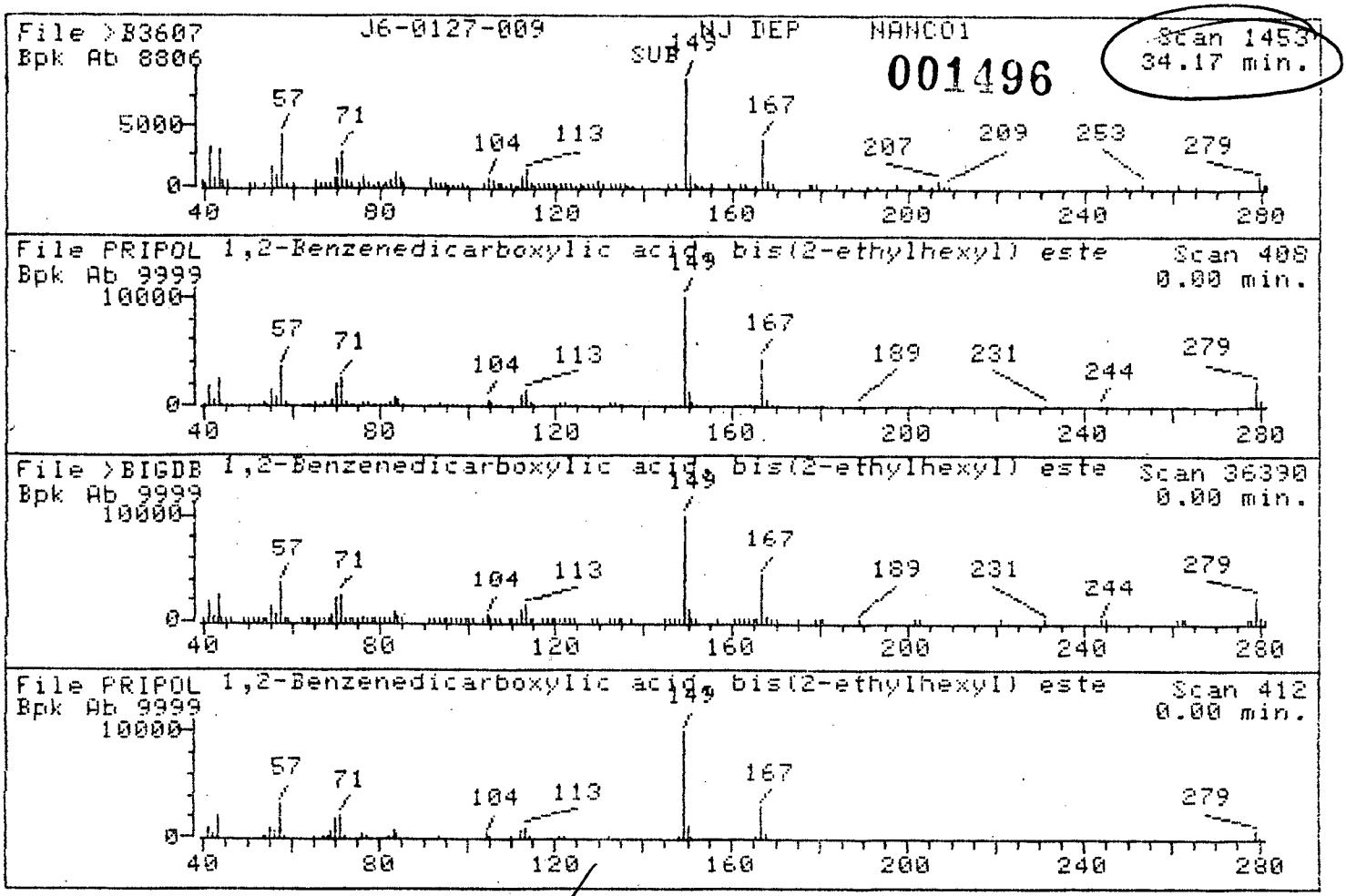
2. Chrysene-d12 240 C18.D12

800

3. Benzenamine, 4-(6-methyl-2-benzothiazolyl)- 240 C14H12N2S
4. [1]Benzothieno[4,5-b][1]benzothiophene 240 C14H8S2
5. 1H-Naphtho[2,1-b]pyran-1-one, 6-methoxy-3-methyl- 240 C15H12O3

Sample file: >B3607 Spectrum #: 1419
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	444	402	PRIPOL	116	31	1	0	64	25	53	97
2.	67*	438	401	PRIPOL	76	64	1	0	56	45	24	74
3.	27*	92364	55898	"BIGDB	26	76	3	0	100	40	10	13



BIS(2-ETHYLHEXYL) PHTHALATE SEE QUANT

1. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H3804
2. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H3804
3. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H3804
4. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H3804
5. 1,2-Benzenedicarboxylic acid, diisooctyl ester 390 C24H3804

Sample file: >B3607 Spectrum #: 1453
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86	408	243	PRIPOL	99	48	2	0	99	5	60	32
2.	86	117817	36390	"BIGDB	99	48	2	0	99	5	60	32
3.	79	412	247	PRIPOL	82	55	0	0	100	13	43	60
4.	79	117817	36498	"BIGDB	82	55	0	0	100	13	43	60
5.	60	27554263	36493	"BIGDB	75	65	3	0	100	12	30	13

NYDEP 10/03/86 1030 001497

> B3607 J6-0127-009 SED-2 (20% mois

HSL's	CONC ug/L	Dry Wt Conc
Benzoic acid	30.27	38
bis(2-ethylhexyl phthalate	637.44	800
Di-n-octyl phthalate	638.67	800

SURR'S		% REC
Phenol	4181.05	63
2-Fluorophenol	4048.67	61
nitrobenzene d5	2186.64	65
2-Fluorobiphenyl	2018.55	61
2,4,6-Tribromophenol	4016.24	61
Terphenyl-d14	2056.81	62

TIC'S

$b = (40 \times 74) \div (1 - .20) = 2959$

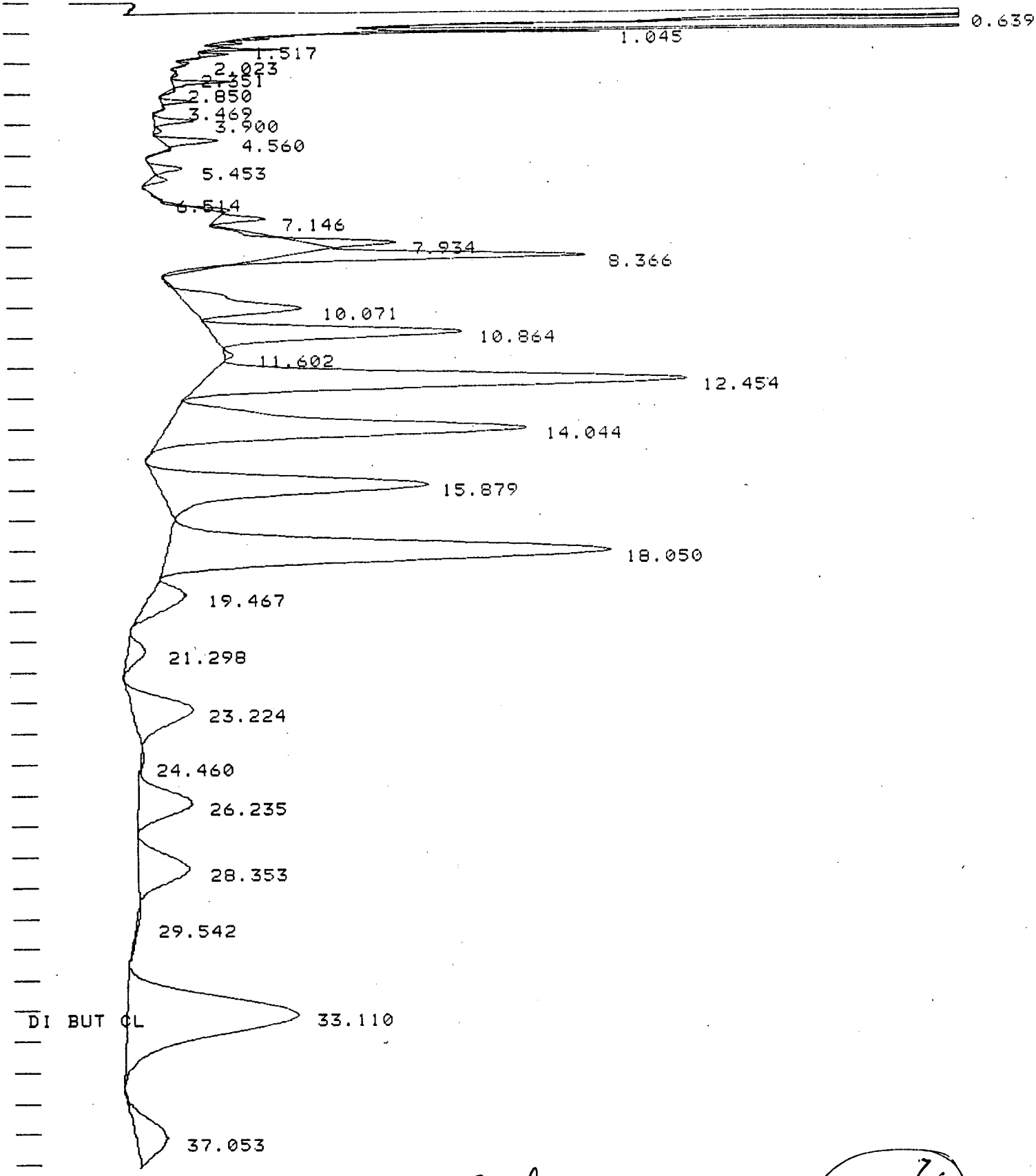
			CONC ug/kg
127184 TETRACHLOROETHENE	(6.40)	$x = 450078/519085 \times b =$	2600 J
— unknown ALKENE	(6.70)	$x = 188074/519085 \times b =$	1070 J
— unknown " "	(6.91)	$x = 598148/519085 \times b =$	3400 J
— unknown ALKANE	(7.09)	$x = 950363/519085 \times b =$	5400 J
— unknown	(7.58)	$x = 6707718/519085 \times b =$	38000 J
— " "	(7.62)	$x = 287813/519085 \times b =$	1600 J
— " "	(10.70)	$x = 511518/519085 \times b =$	2900 J
— unknown alcohol	(10.88)	$x = 375180/519085 \times b =$	2100 J
— " "	(12.00)	$x = 219025/818502 \times b =$	902 J
— unknown alkane	(22.67)	$x = 249333/647728 \times b =$	~~1200 J~~
— " "	(24.12)	$x = 213391/647728 \times b =$	1100 J
— " "	(24.22)	$x = 145207/647728 \times b =$	970 J
			660 J

Reviewed 10/28/86

3

001498

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Seed 2

NJ 1986

varian /sunnyvale, calif. p/n 03-906362-00

Sed 2 (NJ1989)

TITLE: PESTICIDE & PCB ANALYSIS 0:02 3 OCT 86

CHANNEL NO: 2 SAMPLE: J6-127-009 METHOD: PEST8Q 001499

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		14.9356	0.639		94264	0.02	BB	1.30
2		0.0778	0.735		491	0.02	T	0.90
3		0.0732	0.784		462	0.02	T	0.95
4		0.0418	0.877		264	0.03	T	1.15
5		6.0965	0.954		38477	0.03	BB	2.20
6		0.3779	1.045		2385	0.03	BB	2.15
7		0.0635	1.247		401	0.04	T	2.80
8		0.0681	1.399		430	0.04	T	3.15
9		0.1618	1.597		1021	0.05	BB	3.35
10		0.1049	1.750		662	0.05	BB	5.10
11		0.2755	2.652		1739	0.08	BB	5.55
12		0.1605	3.262		1013	0.10	BB	7.15
13		0.2784	3.900		1757	0.12	BB	9.55
14		0.0376	4.227		237	0.13	BB	10.00
15		0.4837	4.560		3053	0.14	BB	13.05
16		0.2850	5.453		1799	0.16	BB	14.40
17		0.1256	5.826		793	0.18	BB	? 14.45
18		0.1597	6.859		1008	0.21	BB	? 18.40
19		0.3971	7.146		2506	0.22	BB	? 19.50
20		0.7900	7.934		4986	0.24	BB	? 23.90
21		3.0306	8.366		19127	0.25	BB	? 17.45
22		2.4855	10.071		15687	0.30	BB	? 33.80
23		4.4561	10.864		28124	0.33	BB	28.05
24		0.0767	11.602		484	0.35	BB	? 19.90
25		11.1340	12.454		70271	0.38	BB	? 36.75
26		10.2331	14.044		64585	0.42	BB	35.65
27		7.6988	15.879		48590	0.48	BB	37.05
28		14.5493	18.050		91826	0.54	BB	43.80
29		1.2682	19.467		8004	0.59	BB	49.95
30		0.5511	21.298		3478	0.64	BB	38.40
31		2.6587	23.224		16780	0.70	BB	65.75
32		0.0569	24.460		359	0.74	BB	?
33		2.1205	26.235		13383	0.79	BB	? 63.45
34		2.2555	28.353		14235	0.86	BB	? 71.45
35		0.1199	29.542		757	0.89	BB	?166.40
36	DI BUT CL	10.6266	33.110	0.110	67068	1.00	BB	79.40
37		1.6843	37.053		10630	1.12	VB	87.70
TOTALS:		100.0000		0.110	631136			

DETECTED PKS: 51 REJECTED PKS: 14

MULTIPLIER: 1.00000

NOISE: 9.7 OFFSET: -101

RACK: 3 VIAL: 4 INJ: 1

SAVED FILE: PEST8Q003

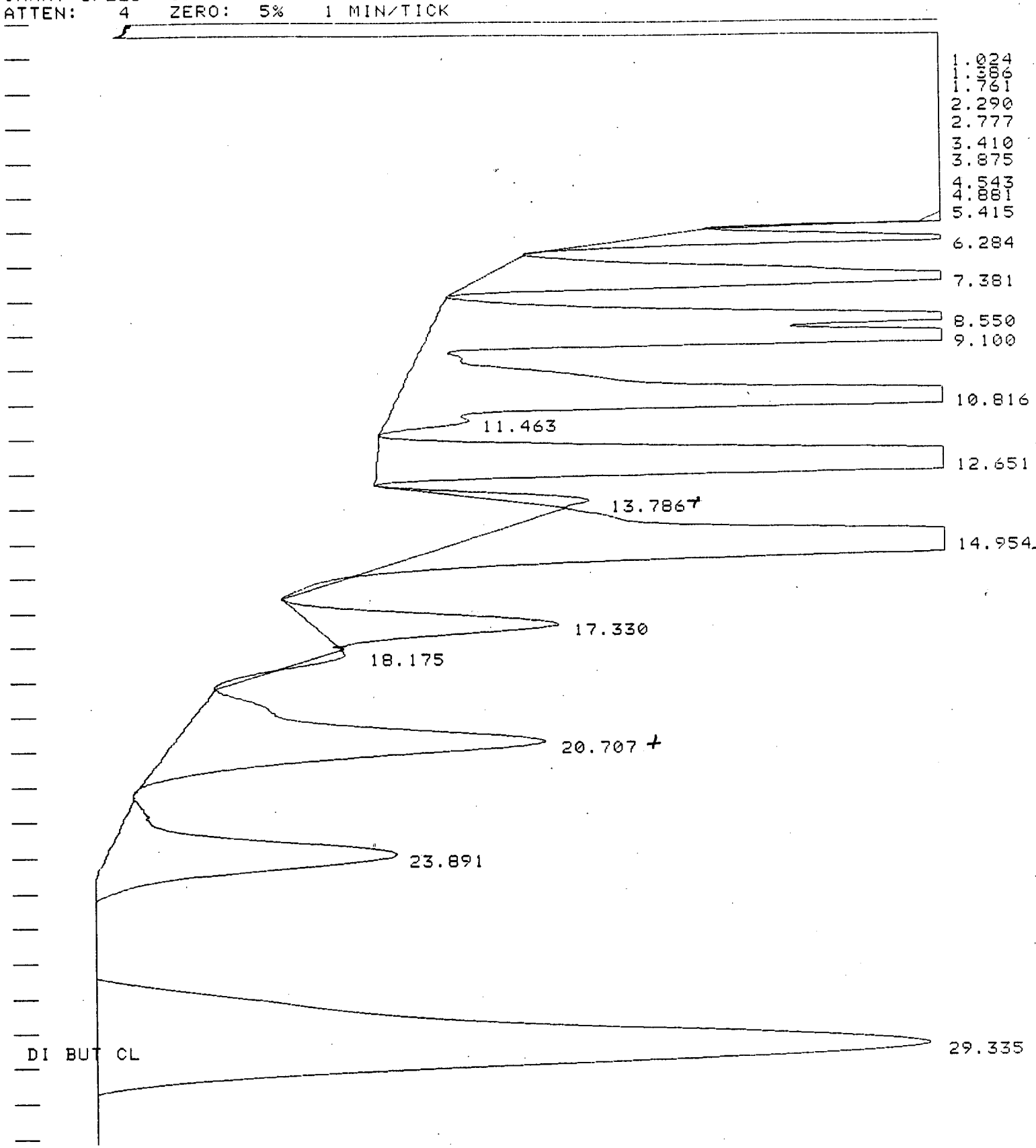
NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 30ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

1

001500

CHART SPEED 0.7 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Seed 2

NJ194C

varian /sunnyvale, calif. p/n 03-906362-00

2 Sed 2 (NJ194C)

TITLE: PESTICIDE & PCB ANALYSIS 23:35 1 OCT 86

CHANNEL NO: 1 SAMPLE: J6-0127-009 METHOD: PEST3C

001501

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.0259	1.024		1235	0.03	BB		2.05
2		3.9835	1.162		189747	0.04	BB		3.30
3		3.2480	1.386		154709	0.05	BB		3.65
4		0.0253	1.672		1206	0.06	T	?	3.30
5		0.0412	1.761		1963	0.06	T	?	4.70
6		0.1907	1.982		9083	0.07	T		13.25
7		0.2288	2.290		10900	0.08	BB		6.80
8		0.0293	2.420		1394	0.08	BB	?	4.40
9		2.8566	2.777		136068	0.09	BB	?	4.25
10		0.0449	3.042		2138	0.10	BB	?	8.70
11		0.2146	3.410		10220	0.12	BB	?	12.70
12		0.2863	3.875		13636	0.13	BB	?	15.00
13		0.3301	4.543		15723	0.15	BB	?	29.60
14		0.0827	4.881		3940	0.17	BB	?	23.80
15		55.0817	5.415		2623690	0.19	BB		11.45
16		0.6179	6.284		29430	0.21	T		14.90
17		1.8785	7.381		89480	0.25	T	?	27.20
18		1.6591	8.550		79027	0.29	T	?	28.00
19		2.2817	9.100		108683	0.31	T		20.70
20		4.3004	10.816		204838	0.37	T		23.85
21		0.1484	11.463		7070	0.39	T	?	12.40
22		4.5278	12.651		215672	0.43	T		36.45
23		0.1885	13.786		8981	0.47	T	?	29.40
24		4.8288	14.954		230009	0.51	BB		37.70
25		0.9376	17.330		44660	0.59	BB		41.10
26		0.0348	18.175		1658	0.62	BB	?	36.15
27		2.3366	20.707		111297	0.71	BB		48.15
28		1.8056	23.891		86005	0.81	BB		50.20
29	DI BUT CL	7.7848	29.335	0.315	370811	1.00	BB		76.35
TOTALS:		100.0000		0.315	4763270				

DETECTED PKS: 30 REJECTED PKS: 1

MULTIPLIER: 1.00000

NOISE: 13.4 OFFSET: 2105

RACK: 3 VIAL: 14 INJ: 1

SAVED FILE: PEST3C046

ERRORS:
ADC OVERANGE

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

001833

SAMPLE DATA

SED - 1

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

SAMPLE NUMBER

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3323
Sample Matrix: SOIL
Data Release Authorized By: Sohil Johani

Case No: N.J. D.E.P.
QC Report No: 008, 009
Contract No: N/A
Date Sample Received: 9/19/86

SED-1

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/24/86
Date Analyzed: 09/24/86
Conc/Dil Factor: 1 pH: 7.6
Percent Moisture: 24

001304

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U
74-83-9	Bromomethane	10.0 U
75-01-4	Vinyl Chloride	10.0 U
75-00-3	Chloroethane	10.0 U
75-09-2	Methylene Chloride	5.0 U
67-64-1	ACETONE	31.0 B
75-15-0	Carbon Disulfide	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U
67-66-3	Chloroform	5.0 U
107-06-2	1,2-Dichloroethane	5.0 U
78-93-3	2-Butanone	10.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U
56-23-5	Carbon Tetrachloride	5.0 U
108-05-4	Vinyl Acetate	10.0 U
75-27-4	Bromodichloromethane	5.0 U

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
78-87-5	1,2-Dichloropropane	5.0 U
10061-02-6	Trans-1,3-Dichloropropene	5.0 U
79-01-6	Trichloroethene	5.0 U
124-48-1	Dibromochloromethane	5.0 U
79-00-5	1,1,2-Trichloroethane	5.0 U
71-43-2	Benzene	5.0 U
10061-01-5	cis-1,3-Dichloropropene	5.0 U
110-75-8	2-Chloroethylvinylether	10.0 U
75-25-2	Bromoform	5.0 U
591-78-6	2-Hexanone	10.0 U
108-10-1	4-Methyl-2-Pentanone	10.0 U
127-18-4	Tetrachloroethene	5.0 U
108-88-3	Toluene	5.0 U
108-90-7	Chlorobenzene	5.0 U
100-41-4	Ethylbenzene	5.0 U
100-42-5	Styrene	5.0 U
	Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE
If the result is a value greater than or equal to the detection limit, report the value.

U
Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g.10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected.The number is the minimum attainable detection limit for the sample.

J
Indicates an estimated value.This flag is used either when estimating a concentration for tentatively identified compounds where a 1 1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C
This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B
This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER
Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. D.E.P.

001305

SAMPLE NO.
SED-1

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/24/86
Date Analyzed: 10/03/86
Conc/Dil Factor:----------> 2
Percent Moisture: 24

GPC Cleanup: Yes X No____
Separatory Funnel Extraction: Yes____
Continuous Liquid - Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	660.0 U
108-95-2	Phenol	660.0 U
111-44-4	bis(-2-Chloroethyl)Ether	660.0 U
95-57-8	2-Chlorophenol	660.0 U
541-73-1	1,3-Dichlorobenzene	660.0 U
106-46-7	1,4-Dichlorobenzene	660.0 U
100-51-6	Benzyl Alcohol	660.0 U
95-50-1	1,2-Dichlorobenzene	660.0 U
95-48-7	2-Methylphenol	660.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	660.0 U
106-44-5	4-Methylphenol	660.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	660.0 U
67-72-1	Hexachloroethane	660.0 U
98-95-3	Nitrobenzene	660.0 U
78-59-1	Isophorone	660.0 U
88-75-5	2-Nitrophenol	660.0 U
105-67-9	2,4-Dimethylphenol	660.0 U
65-85-0	Benzoic Acid	97.0 J
111-91-1	bis(-2-Chloroethoxy)Methane	660.0 U
120-83-2	2,4-Dichlorophenol	660.0 U
120-82-1	1,2,4-Trichlorobenzene	660.0 U
91-20-3	Naphthalene	660.0 U
106-47-8	4-Chloroaniline	660.0 U
87-68-3	Hexachlorobutadiene	660.0 U
59-50-7	4-Chloro-3-Methylphenol	660.0 U
91-57-6	2-Methylnaphthalene	660.0 U
77-47-4	Hexachlorocyclopentadiene	660.0 U
88-06-2	2,4,6-Trichlorophenol	660.0 U
95-95-4	2,4,5-Trichlorophenol	3200.0 U
91-58-7	2-Chloronaphthalene	660.0 U
88-74-4	2-Nitroaniline	3200.0 U
131-11-3	Dimethyl Phthalate	660.0 U
208-96-8	Acenaphthylene	660.0 U
99-09-2	3-Nitroaniline	3200.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	660.0 U
51-28-5	2,4-Dinitrophenol	3200.0 U
100-02-7	4-Nitrophenol	3200.0 U
132-64-9	Dibenzofuran	660.0 U
121-14-2	2,4-Dinitrotoluene	660.0 U
606-20-2	2,6-Dinitrotoluene	660.0 U
84-66-2	Diethylphthalate	660.0 U
7005-72-3	4-Chlorophenyl-phenylether	660.0 U
86-73-7	Fluorene	660.0 U
100-01-6	4-Nitroaniline	3200.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	3200.0 U
86-30-6	N-Nitrosodiphenylamine (1)	660.0 U
101-55-3	4-Bromophenyl-phenylether	660.0 U
118-74-1	Hexachlorobenzene	660.0 U
87-86-5	Pentachlorophenol	3200.0 U
85-01-8	Phenanthrene	230.0 J
120-12-7	Anthracene	660.0 U
84-74-2	Di-n-Butylphthalate	660.0 U
206-44-0	Fluoranthene	300.0 J
129-00-0	Pyrene	140.0 J
85-68-7	Butylbenzylphthalate	660.0 U
91-94-1	3,3'-Dichlorobenzidine	900.0 J
56-55-3	Benzo(a)Anthracene	660.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	440.0 JB
218-01-9	Chrysene	320.0 J
117-84-0	Di-n-Octyl Phthalate	660.0 U
205-99-2	Benzo(b)Fluoranthene	660.0 U
207-08-9	Benzo(k)Fluoranthene	660.0 U
50-32-8	Benzo(a)Pyrene	660.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	660.0 U
53-70-3	Dibenz(a,h)Anthracene	660.0 U
191-24-2	Benzo(g,h,i)Perylene	660.0 U

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

001306

SED-1

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/24/86

Date Analyzed: 10/1/86

Conc/Dil Factor: -----> 2

Percent Moisture: 24

GPC Cleanup: Yes__X__ No____

Separatory Funnel Extraction: Yes__X__ (50)

Continuous Liquid-Liquid Extraction: Yes____

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	16.00 U
319-85-7	Beta-BHC	16.00 U
319-86-8	Delta-BHC	16.00 U
58-89-9	Gamma-BHC (Lindane)	16.00 U
76-44-8	Heptachlor	16.00 U
309-00-2	Aldrin	16.00 U
1024-57-3	Heptachlor Epoxide	16.00 U
959-98-8	Endosulfan I	16.00 U
60-57-1	Dieldrin	32.00 U
72-55-9	4,4'-DDE	32.00 U
72-20-8	Endrin	32.00 U
33213-65-9	Endosulfan II	32.00 U
72-54-8	4,4'-DDD	32.00 U
7421-93-4	Endrin Aldehyde	32.00 U
1031-07-8	Endosulfan Sulfate	32.00 U
50-29-3	4,4'-DDT	32.00 U
53494-70-5	Endrin Ketone	32.00 U
72-43-5	Methoxychlor	160.00 U
57-74-9	Chlordane	160.00 U
8001-35-2	Toxaphene	320.00 U
12674-11-2	Aroclor-1016	160.00 U
11104-28-2	Aroclor-1221	160.00 U
11141-16-5	Aroclor-1232	160.00 U
53469-21-9	Aroclor-1242	160.00 U
12672-29-6	Aroclor-1248	160.00 U
11097-69-1	Aroclor-1254	3947.37
11096-82-5	Aroclor-1260	320.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 40000 Vi 3

FORM I

001307

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER

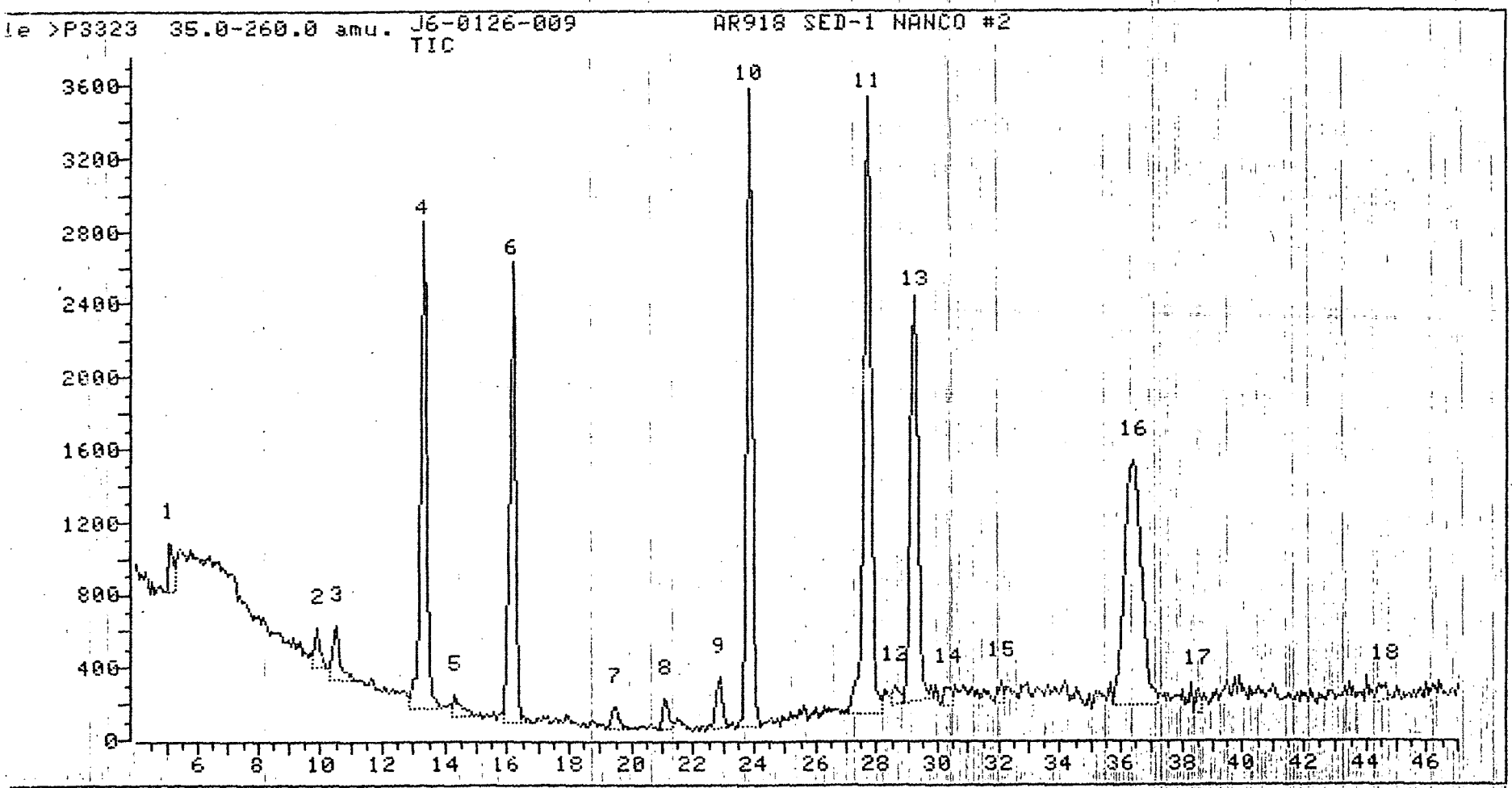
SED-1

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. D.E.P.

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	--------	NONE FOUND	VOA	------	----------
3					
4					
5	127184	ETHENE, TETRACHLORO	BNA	6.39	3000.0 J B
6	-----	UNKNOWN ALKANE	BNA	6.90	2800.0 J
7	-----	UNKNOWN ALKANE	BNA	7.10	4700.0 J
8	-----	UNKNOWN	BNA	7.57	440000.0 J
9	-----	UNKNOWN	BNA	7.63	1500.0 J
10	-----	UNKNOWN KETONE	BNA	8.12	4300.0 J
11	-----	UNKNOWN	BNA	10.88	2100.0 J
12	-----	UNKNOWN	BNA	12.00	1600.0 J
13	-----	UNKNOWN	BNA	12.67	1200.0 J
14	-----	UNKNOWN ALKANE	BNA	22.68	770.0 J
15	-----	UNKNOWN ALKANE	BNA	24.14	830.0 J
16	-----	UNKNOWN ALKANE	BNA	24.25	910.0 J
17	-----	UNKNOWN	BNA	26.82	1500.0 J
18	-----	UNKNOWN CARBOXYLIC ACID	BNA	27.61	830.0 J
19	-----	UNKNOWN	BNA	31.79	1700.0 J
20	-----	UNKNOWN ALCOHOL	BNA	33.29	1200.0 J
21	-----	UNKNOWN ALKANE	BNA	33.88	1200.0 J
22	-----	UNKNOWN	BNA	34.33	1000.0 J
23	-----	UNKNOWN	BNA	34.64	1900.0 J
24	-----	UNKNOWN	BNA	35.05	230.0 J
25	-----	UNKNOWN HYDROCARBON	BNA	36.37	1100.0 J
26	-----	UNKNOWN ALCOHOL	BNA	36.82	1700.0 J
27	-----	UNKNOWN	BNA	38.03	2800.0 J

9/24/86 14:21



PK#
4 BROMOCHLOROMETHANE (IS
10 1,4-DIFLUOROBENZENE (IS
13 CHLOROBENZENE-d5 (IS
6 1,2-DICHLOROETHANE-d4 (SR
11 TOLUENE-d8 (SR
16 4-BROMOFLUOROBENZENE (SR

001308

QUANT REPORT

Operator ID: DALY
Output File: ^P3323::PS
Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2

Quant Rev: 4
Quant Time: 860924 16:16
Injected at: 860924 14:21
Dilution Factor: 1.00

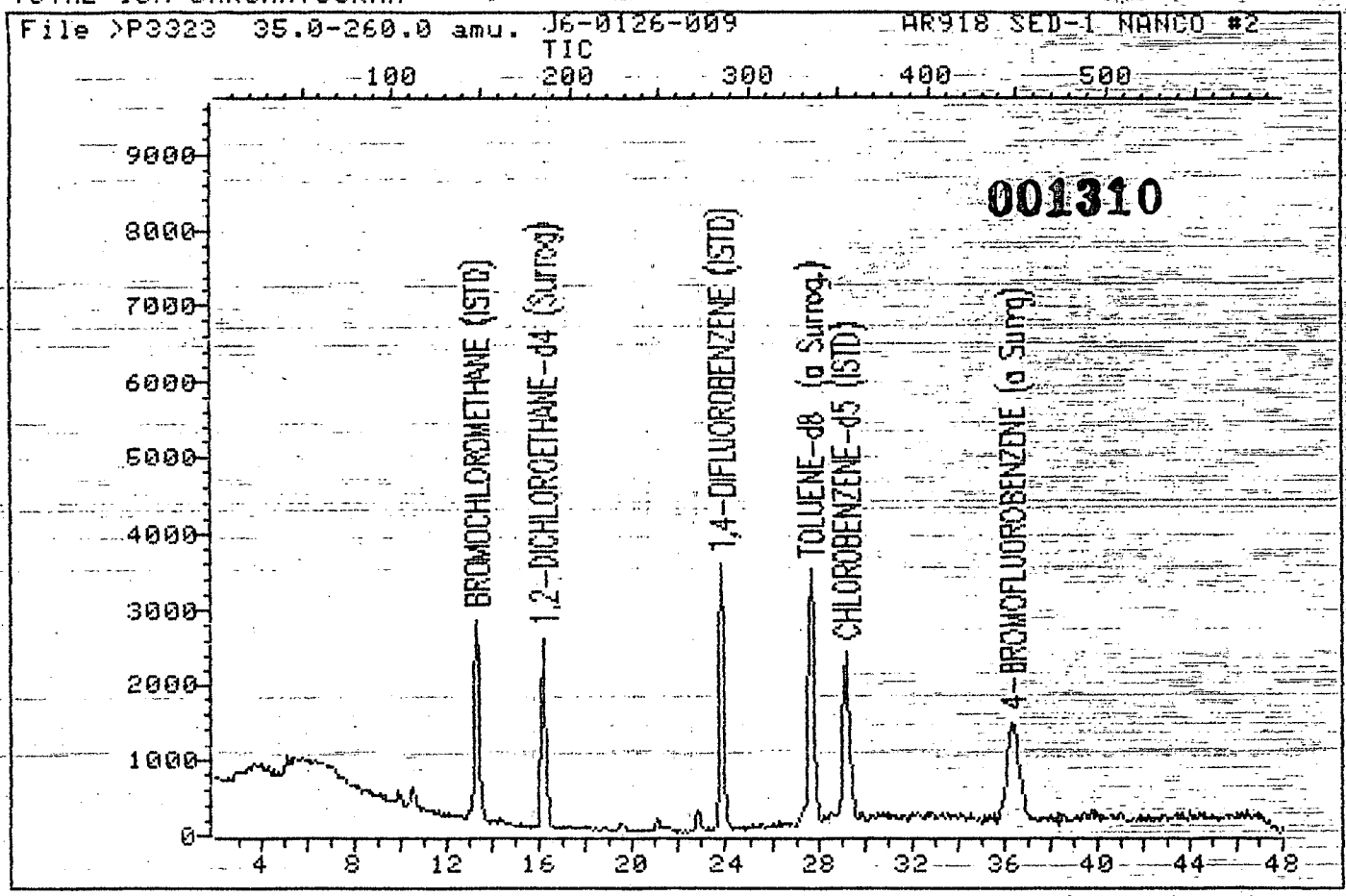
ID File: IDEPA2:PK:NA
Title: IDEPA-VOA
Last Calibration: 860924 11:18

001309

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	13.31	147	4499	50.00	UG	75
7)	Acetone	10.54	111	2787	23.78	UG	79
14)	*1,4-DIFLUOROBENZENE (ISTD)	23.85	284	17472	50.00	UG	99
29)	*CHLOROBENZENE-d5 (ISTD)	29.23	354	11922	50.00	UG	95
39)	TOLUENE-d8 (a Surrog.)	27.69	334	16325	50.62	UG	98
40)	4-BROMOFLUOROBENZENE (a Surrg)	36.38	447	9785	46.91	UG	76
41)	*[BROMOCHLOROMETHANE (ISTD)]	13.31	147	4499	50.00	UG	75
42)	1,2-DICHLOROETHANE-d4 (Surrog)	16.16	184	11033	48.13	UG	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM

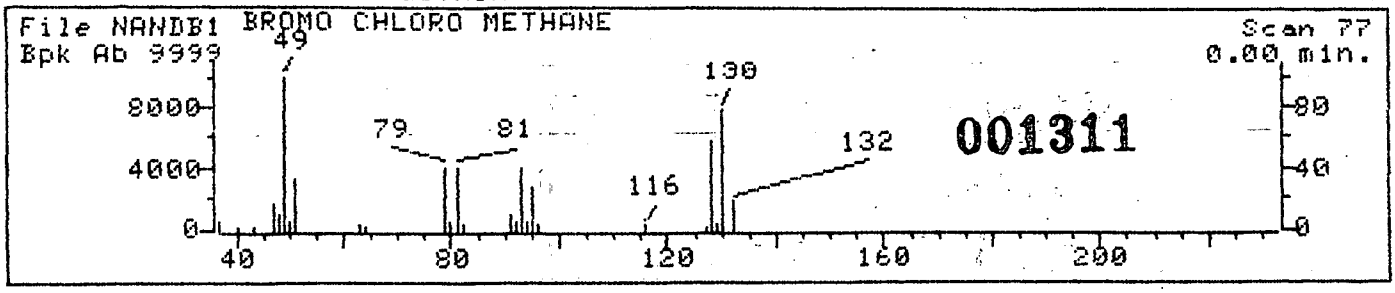


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2

Id File: IDEPA2:PK:NA
Title: IDEPA VOA
Last Calibration: 860924 11:18

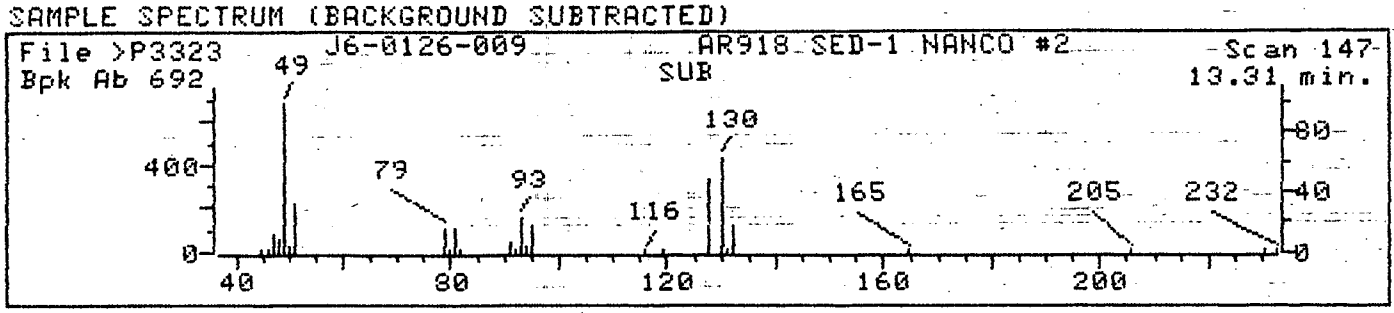
Operator ID: DALY
Quant Time: 860924 16:16
Injected at: 860924 14:21

REFERENCE STANDARD SPECTRUM

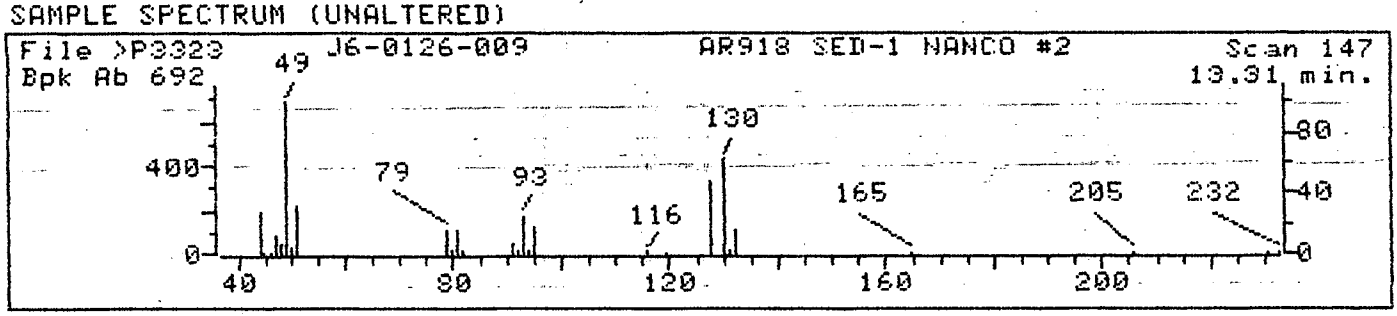


001311

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

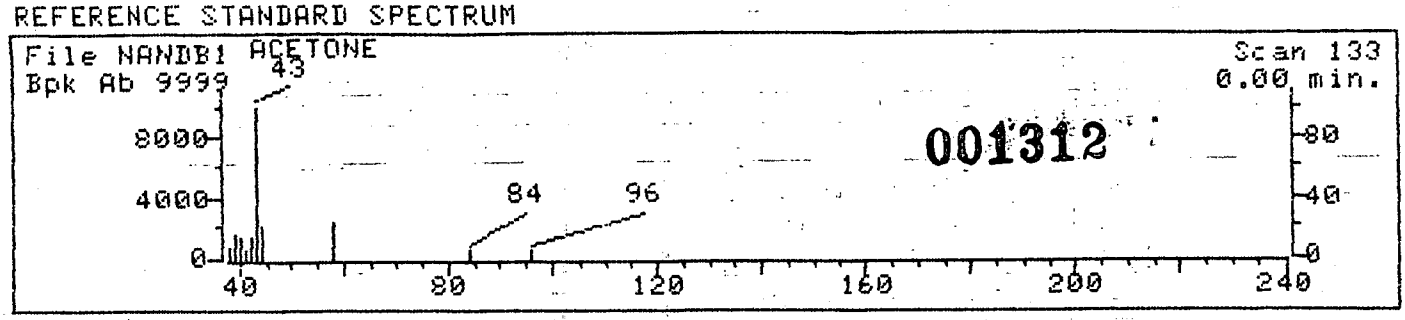


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 1 (ISTD)
Compound Name: BROMOCHLOROMETHANE (ISTD)
Scan Number: 147
Retention Time: 13.31 min.
Area: 4499
Concentration: 50.00 UG
q-value: 75

pl9

REFERENCE STANDARD SPECTRUM



001312

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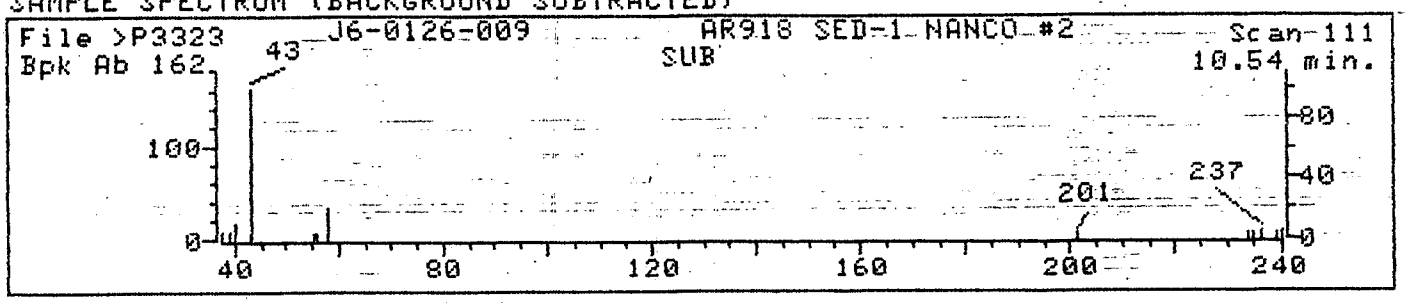

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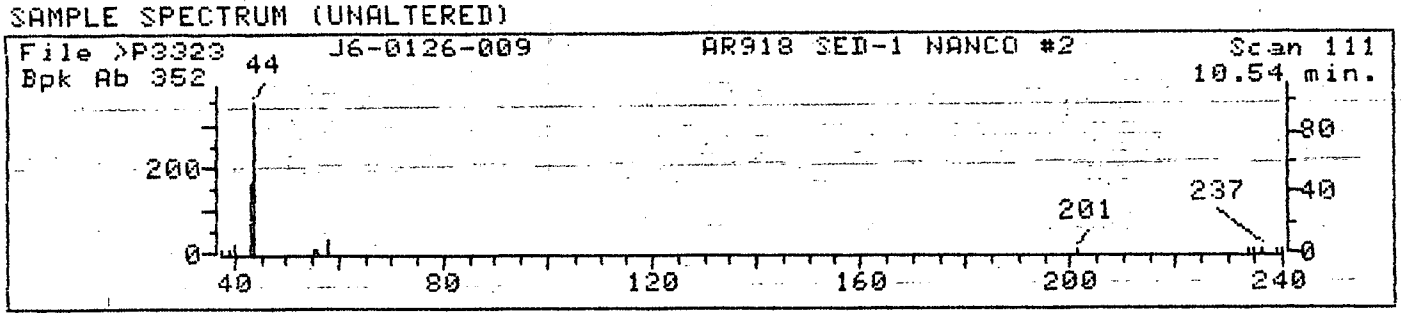
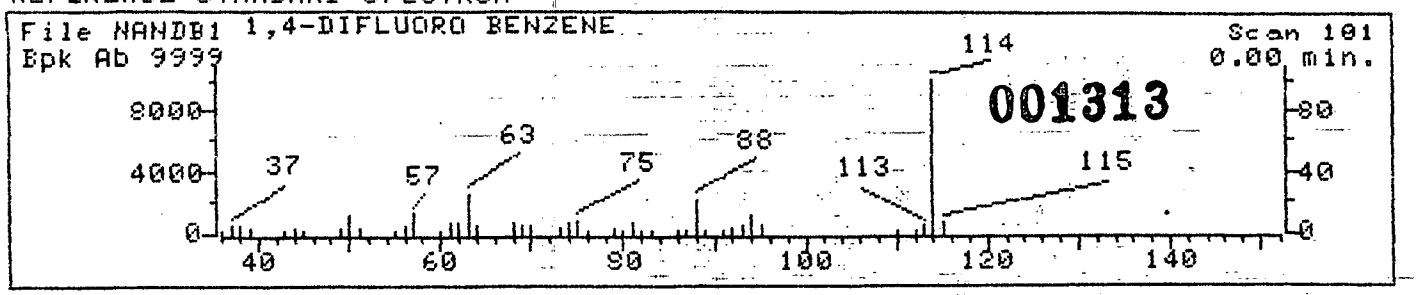


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

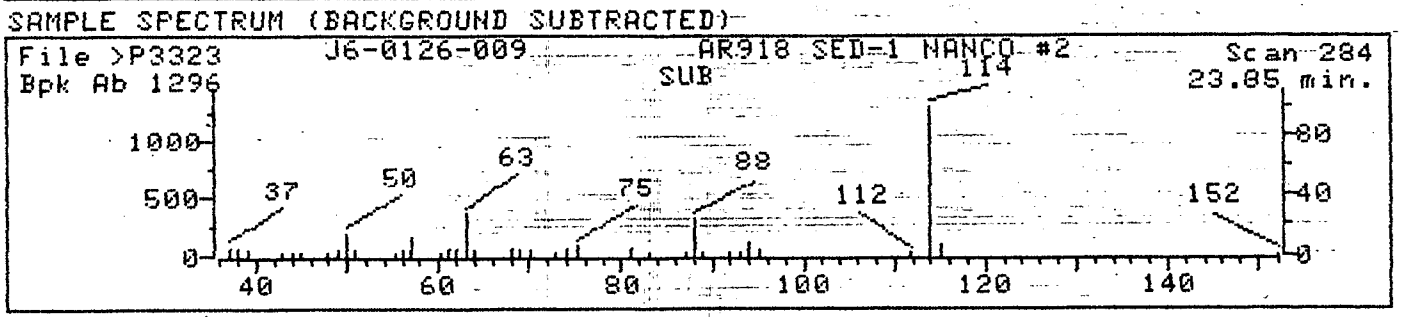
Compound No: 7
Compound Name: Acetone
Scan Number: 111
Retention Time: 10.54 min.
Area: 2787
Concentration: 23.78 UG
q-value: 79

plg

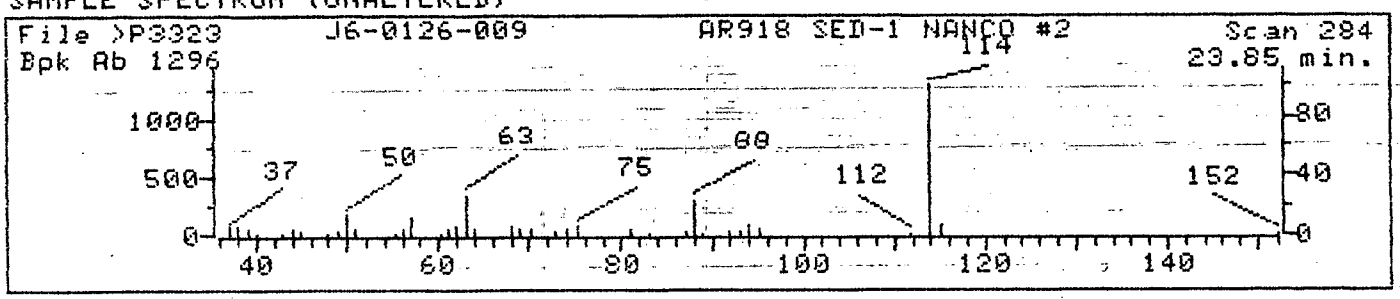
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

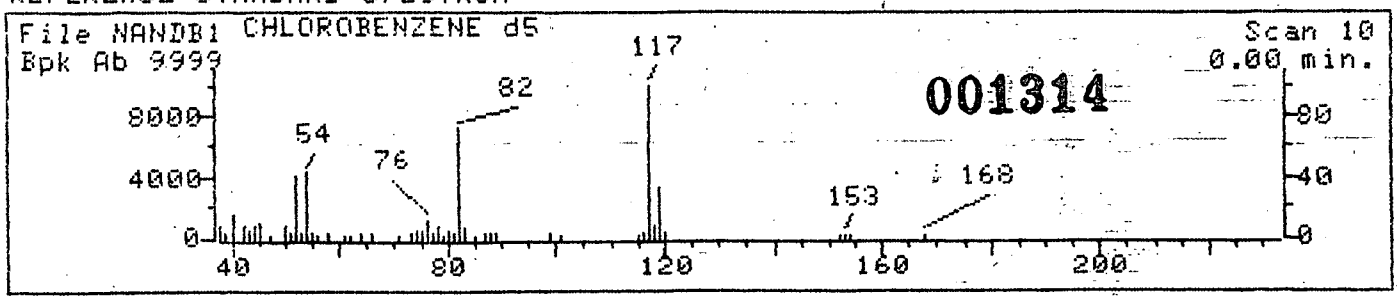


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 14 (ISTD)
Compound Name: 1,4-DIFLUOROBENZENE (ISTD)
Scan Number: 284
Retention Time: 23.85 min.
Area: 17472
Concentration: 50.00 UG
q-value: 99

plg

REFERENCE STANDARD SPECTRUM



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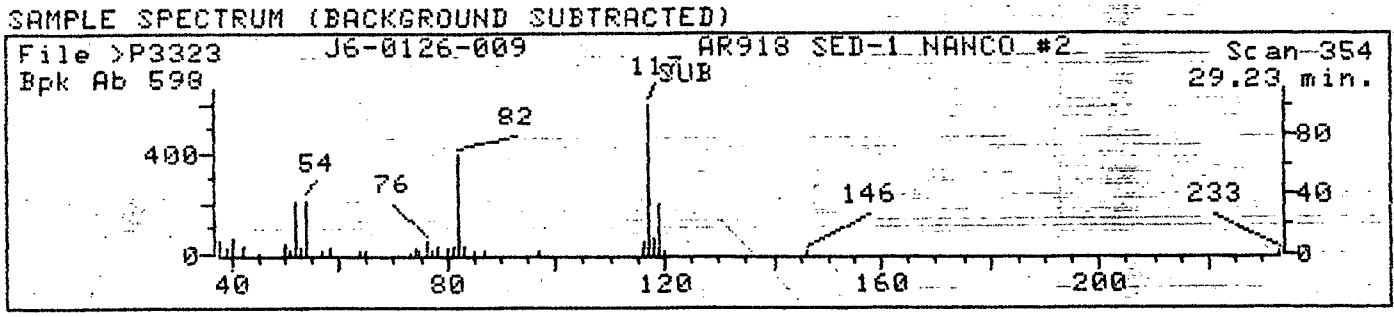

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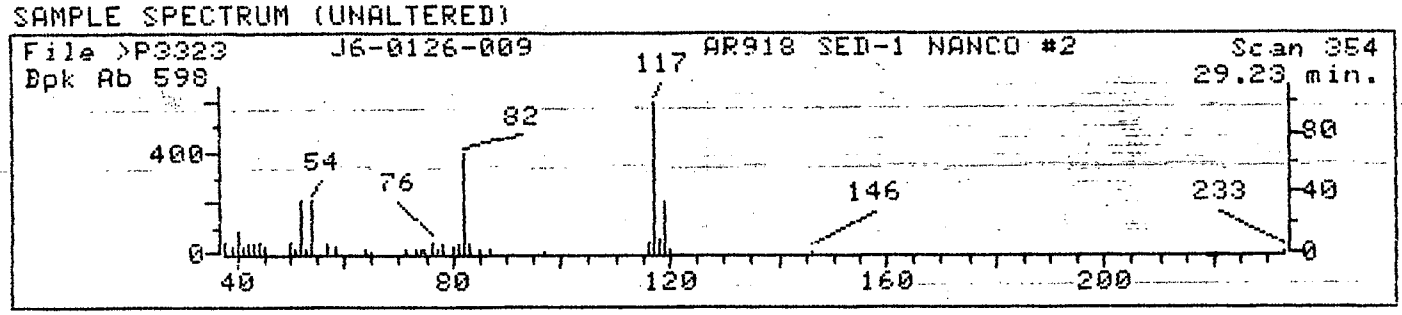
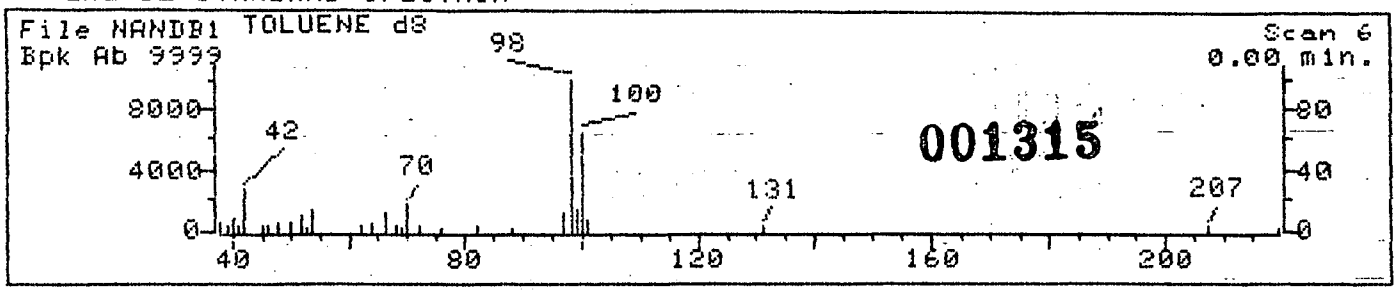


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 29 (ISTD)
Compound Name: CHLOROBENZENE-d5 (ISTD)
Scan Number: 354
Retention Time: 29.23 min.
Area: 11922
Concentration: 50.00 UG
q-value: 95

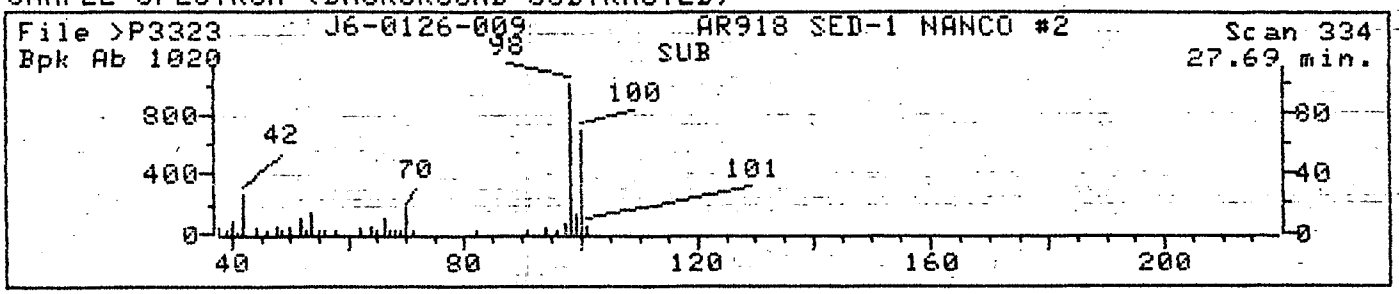
plg

REFERENCE STANDARD SPECTRUM

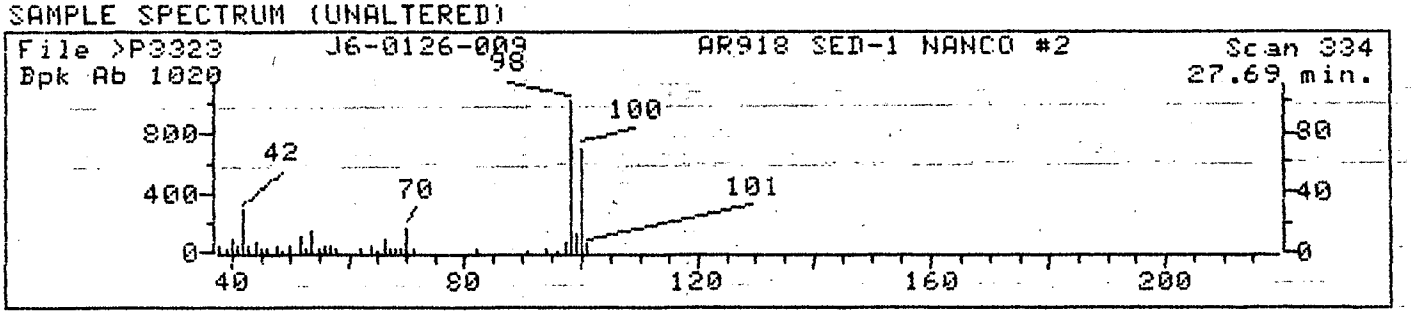


001315

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

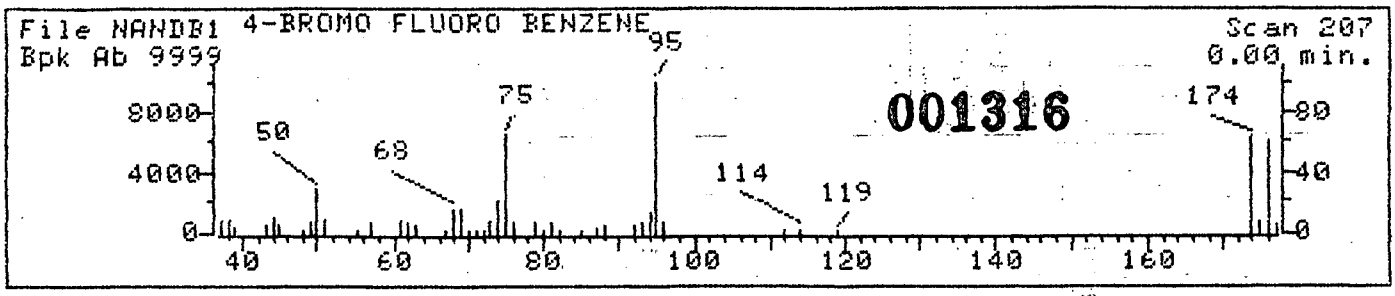


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

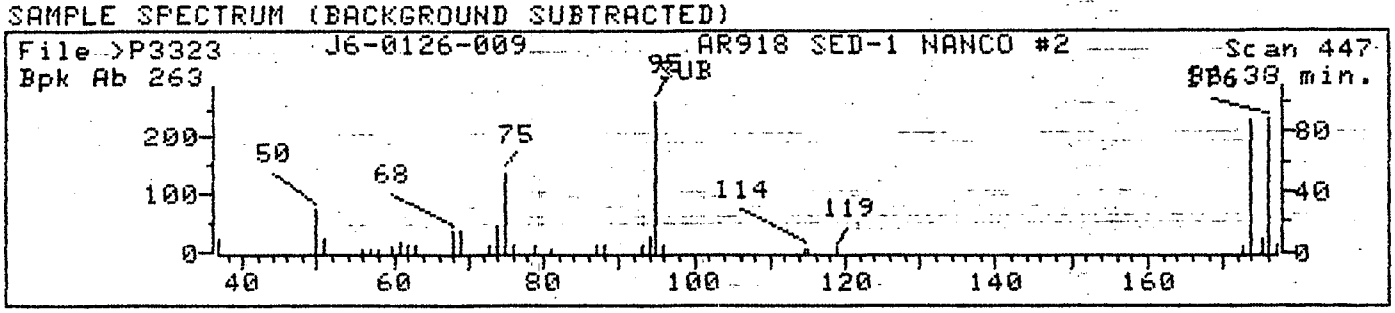
Compound No: 39
Compound Name: TOLUENE-d8 (a Surrog.)
Scan Number: 334
Retention Time: 27.69 min.
Area: 16325
Concentration: 50.62 UG
q-value: 98

plg

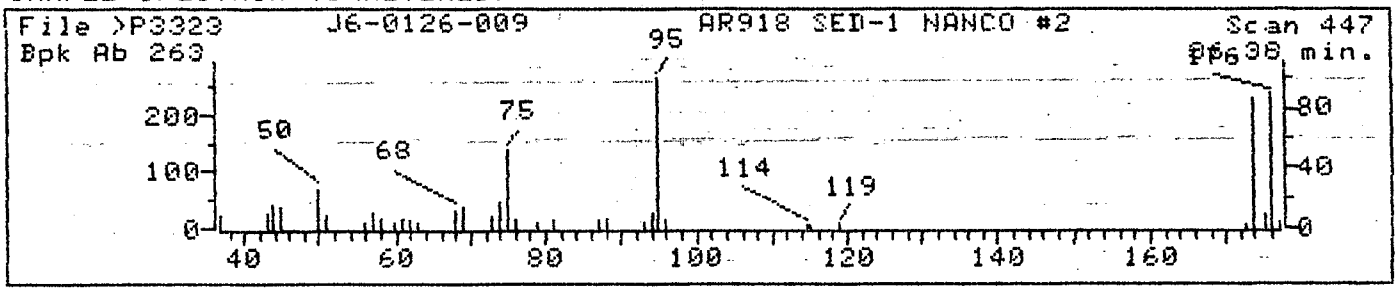
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

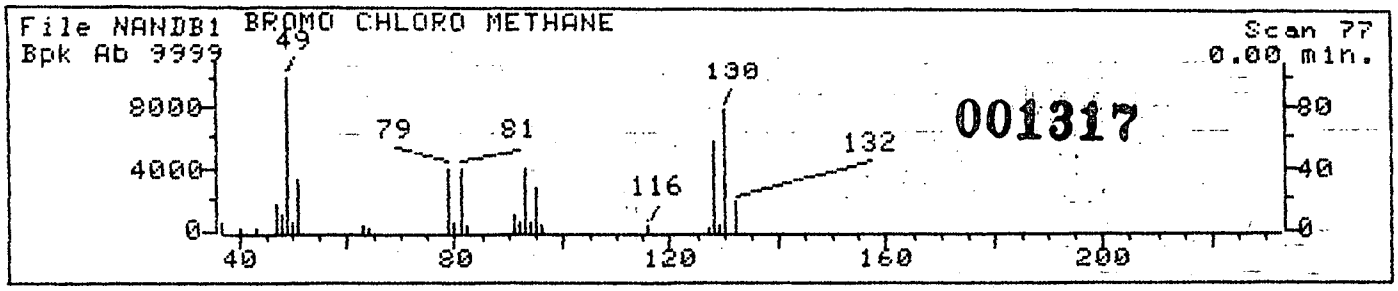


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 40
Compound Name: 4-BROMOFLUOROBENZENE (a Surrg)
Scan Number: 447
Retention Time: 36.38 min.
Area: 9785
Concentration: 46.91 UG
q-value: 76

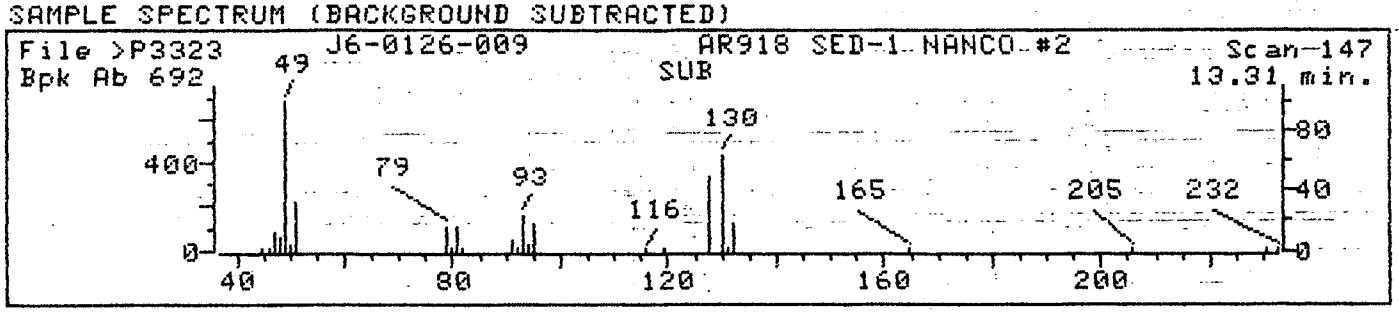
plg

REFERENCE STANDARD SPECTRUM

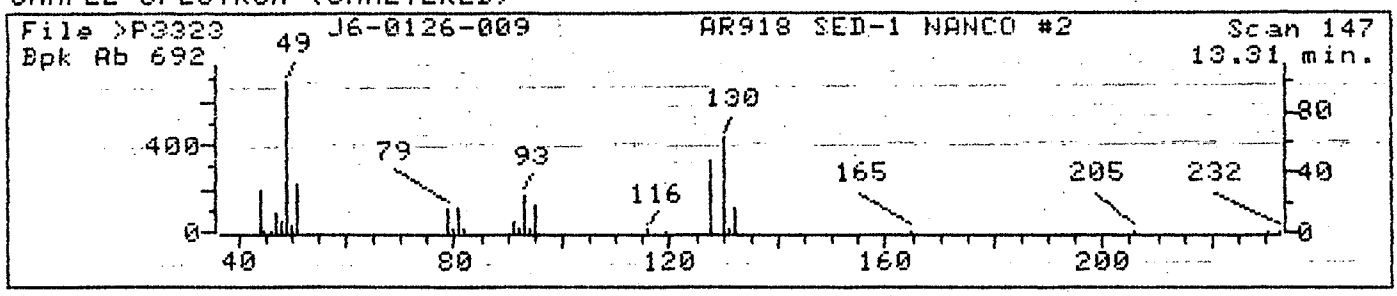


001317

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

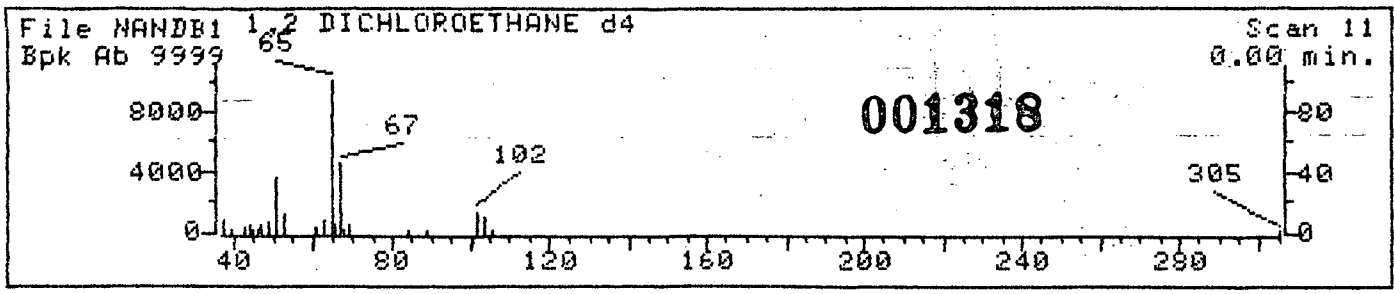


Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 41 (ISTD)
Compound Name: [BROMOCHLOROMETHANE (ISTD)]
Scan Number: 147
Retention Time: 13.31 min.
Area: 4499
Concentration: 50.00 UG
q-value: 75

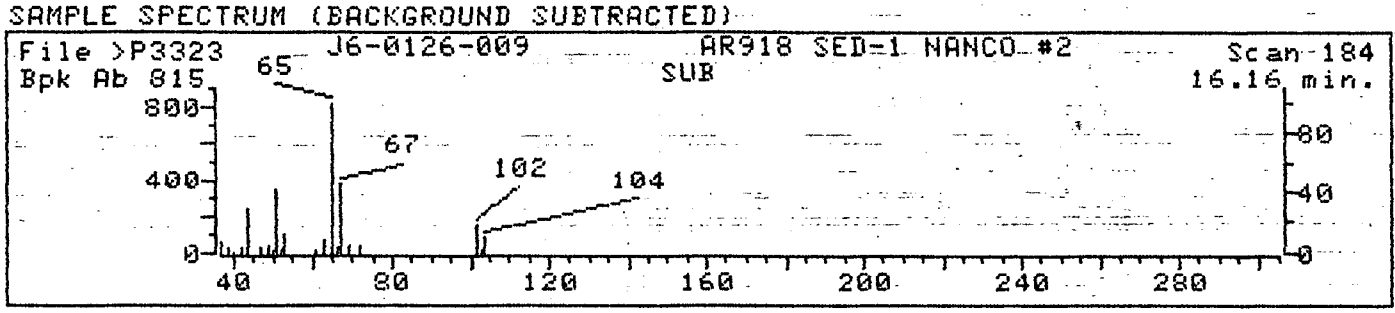
plg

REFERENCE STANDARD SPECTRUM

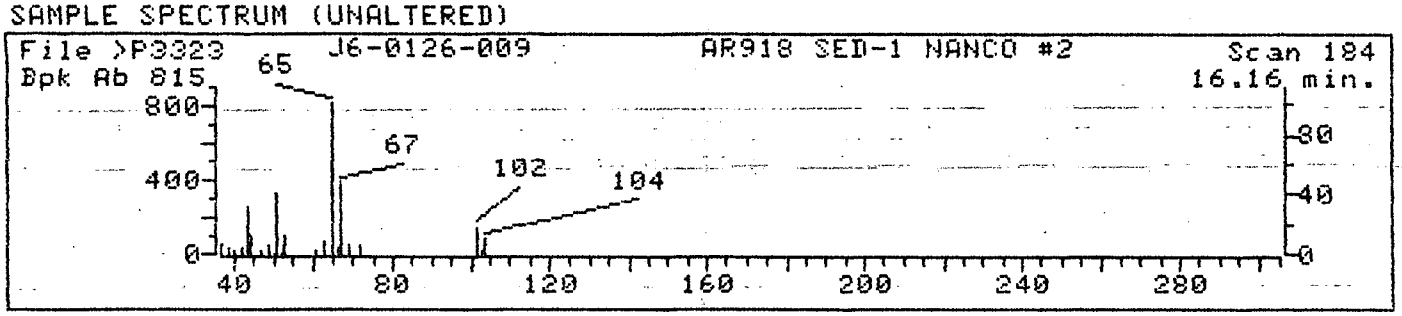


001318

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P3323::D2
Name: J6-0126-009
Misc: AR918 SED-1 NANCO #2
Quant Time: 860924 16:16
Injected at: 860924 14:21

Compound No: 42
Compound Name: 1,2-DICHLOROETHANE-d4 (Surrog)
Scan Number: 184
Retention Time: 16.16 min.
Area: 11033
Concentration: 48.13 UG
q-value: 94

plg

MS data file header from : >P3323

Sample: J6-0126-009 Operator: DALY MS 9/24/86 14:21
Misc : AR918 SED-1 NANCO #2
Sys. #: 2 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH03 Tuning file: MT9002 No. of extra records: 1
Source temp.: 165 Analyzer temp.: 180 Transfer line temp. : 200

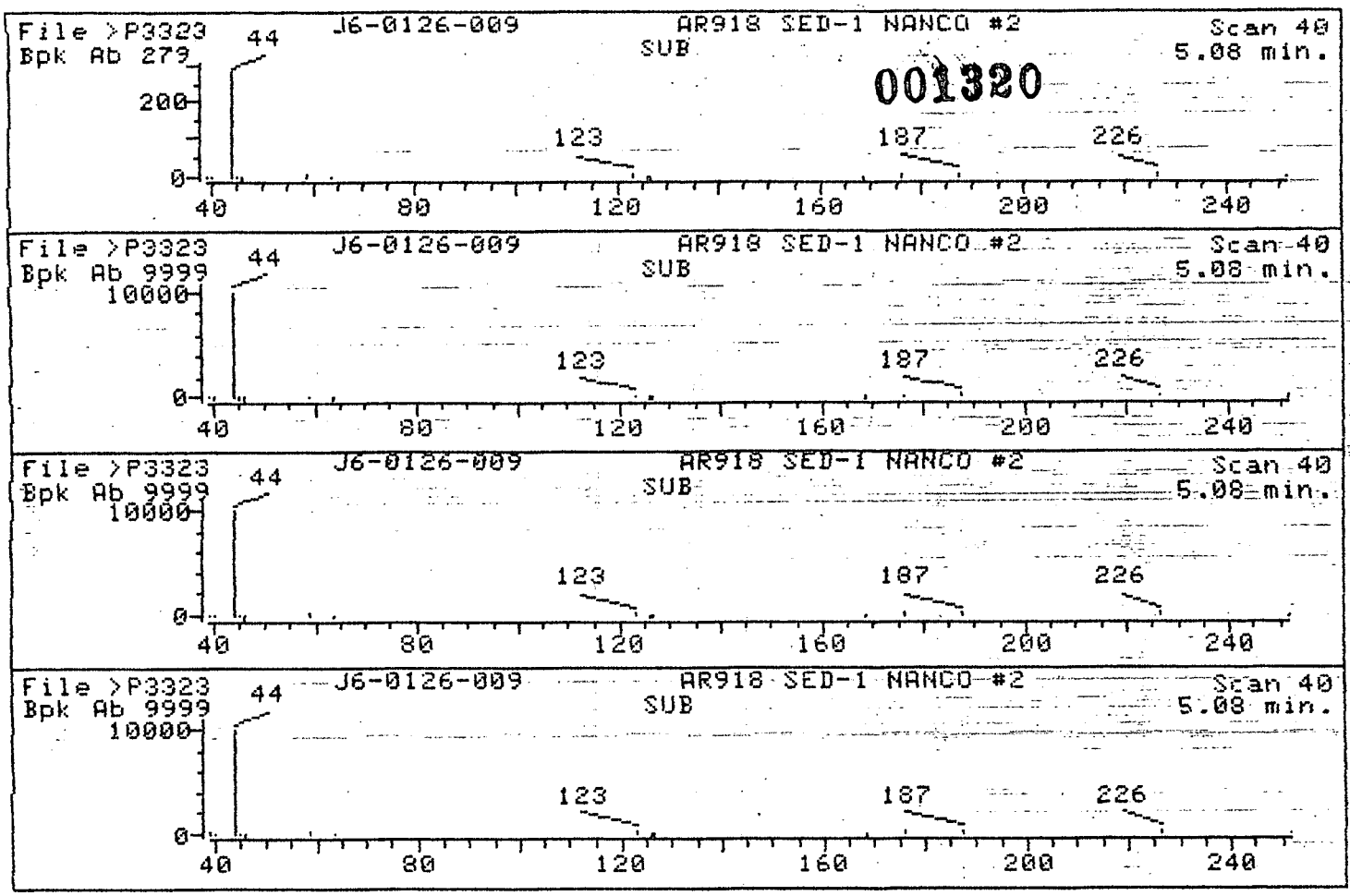
Chromatographic temperatures : 45. 220. 0. 0. 0.
Chromatographic times, min. : 4.0 22.0 0.0 0.0 0.0
Chromatographic rate, deg/min: 8.0 0.0 0.0 0.0 0.0

>P3323 J6-0126-009 AR918 SED-1 NANCO #2
35.01 260.0 TIC

001319

	Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr area	corr % max.	% of total
	1	5.081	38	40	43	271	22845	3926	6.61	1.297
	2	9.926	101	103	107	211	13603	2417	4.07	.799
	3H	10.542	108	111	118	296	20395	4983	8.39	1.647
IS	4	13.310	141	147	154	2674	49818	39319	66.17	12.993
	5	14.310	159	160	170	111	8776	1924	3.24	.636
SU	6	16.156	181	184	192	2532	38452	33782	56.85	11.164
	7	19.463	223	227	235	129	5569	2523	4.25	.834
	8	21.078	245	248	251	166	3968	2362	3.98	.781
	9	22.846	268	271	275	287	5962	3959	6.66	1.308
IS	10	23.846	280	284	289	3503	48863	45789	77.06	15.132
SU	11	27.692	326	334	340	3388	68723	59419	100.00	19.636
	12	28.615	344	346	349	100	6271	1758	2.96	.581
IS	13	29.230	349	354	360	2227	54515	43570	73.33	14.398
	14	30.307	365	368	370	96	6105	1675	2.82	.554
	15	32.076	388	391	392	116	5261	1458	2.45	.482
SU	16	36.384	438	447	457	1337	67369	50881	85.63	16.814
	17	38.538	473	475	476	122	3438	1389	2.34	.459
	18	44.614	550	554	555	92	6285	1472	2.48	.486

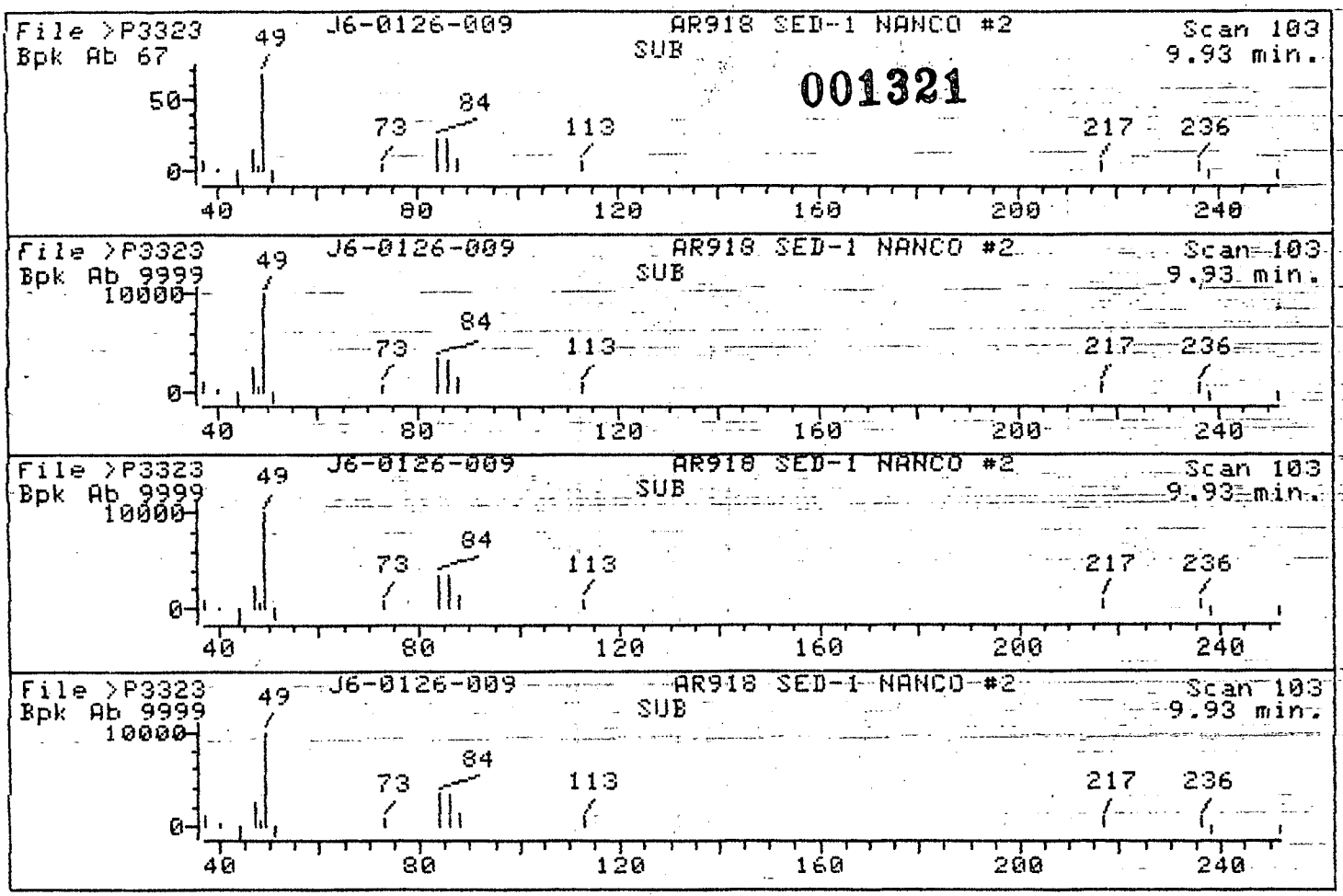
Sum of corrected areas: 302606.



<10% IS

Sample file: >P3323 Spectrum #: 40 plg

No data base entries were retrieved.

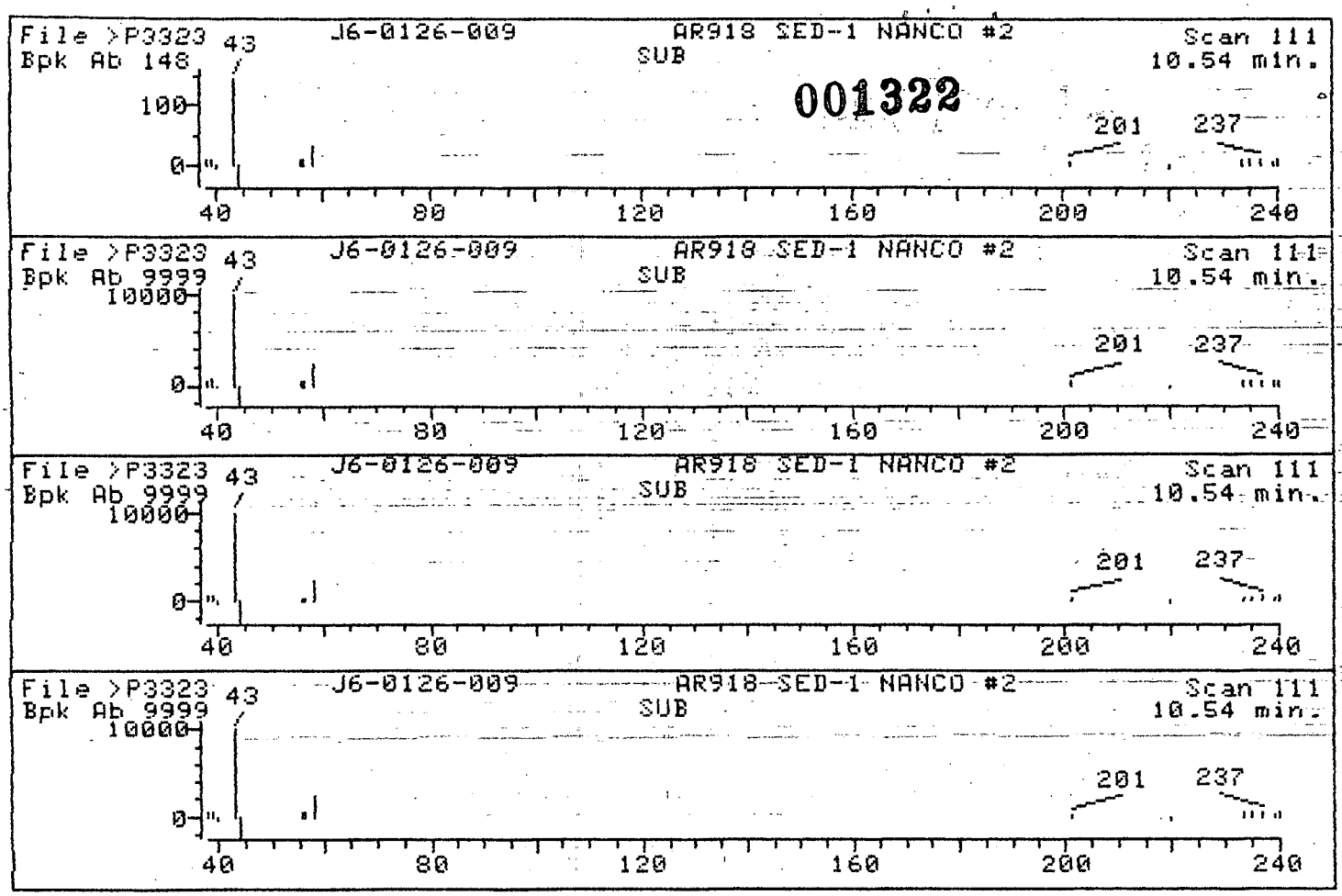


<10% IS

Sample file: >P3323 Spectrum #: 103

plg

No data base entries were retrieved.



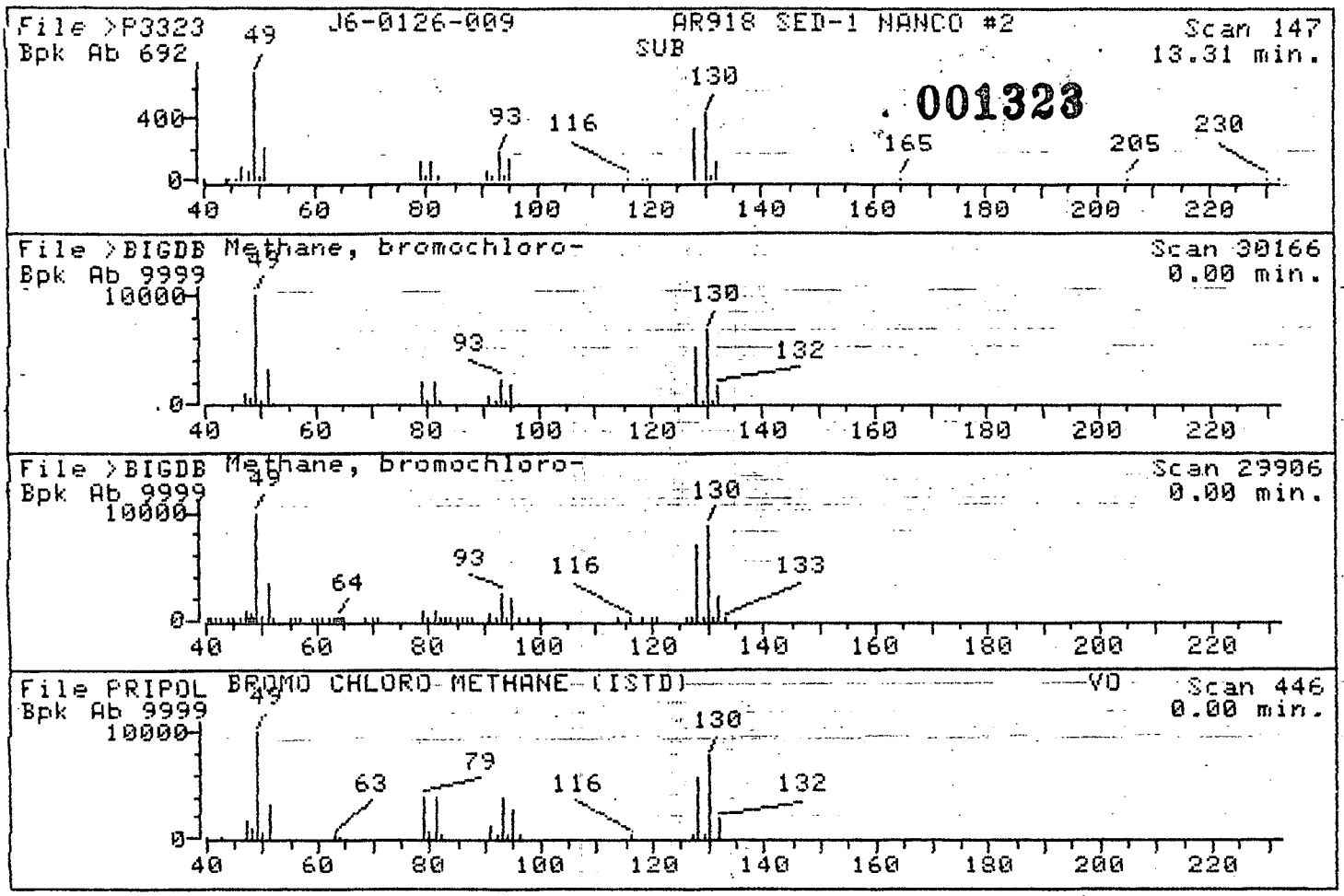
001322

HSL

Sample file: >P3323 Spectrum #: 111

No data base entries were retrieved.

plg



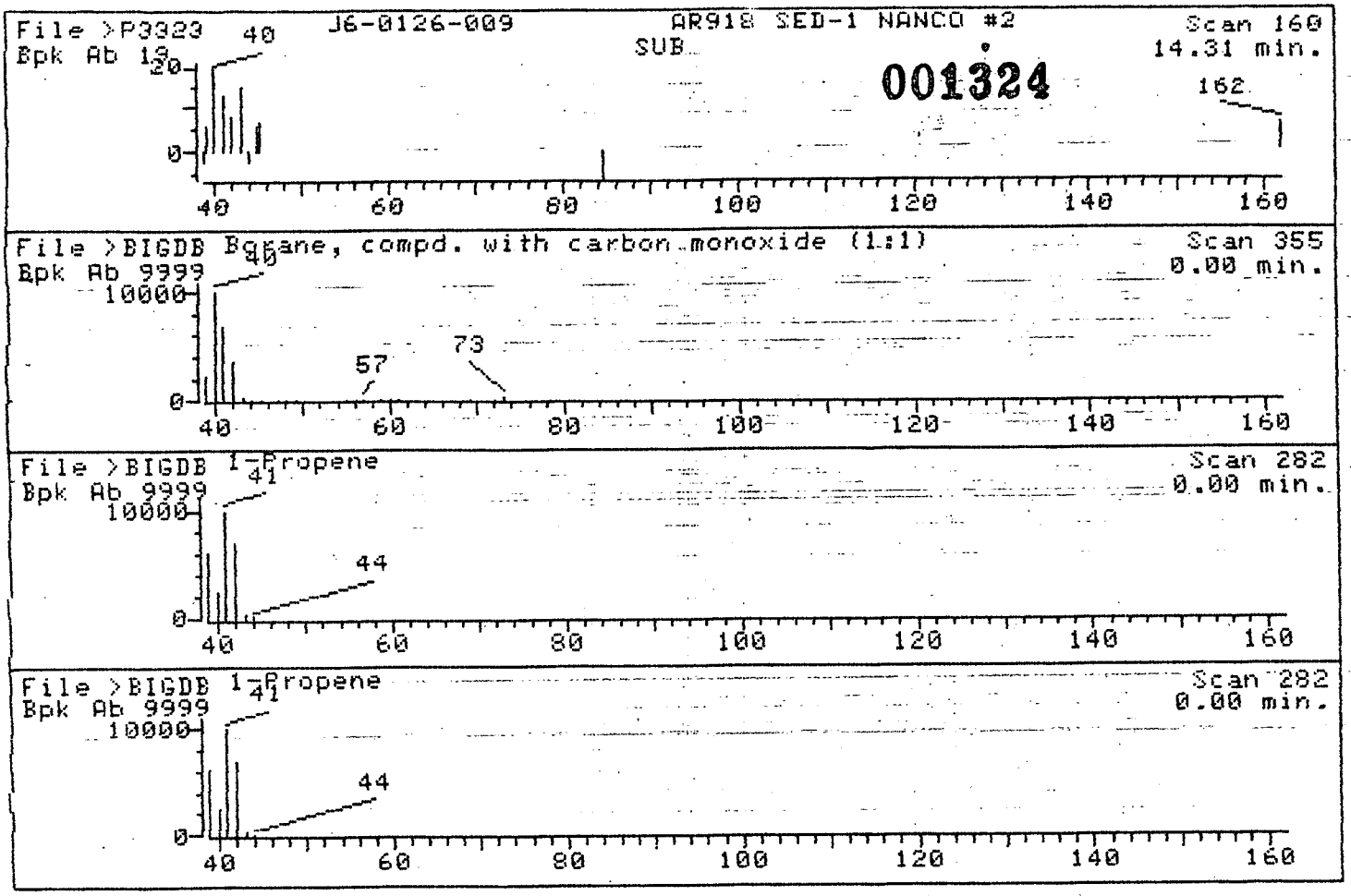
001323

1. Methane, bromochloro- 128 CH2BrCl
2. Methane, bromochloro- 128 CH2BrCl
3. BROMO CHLORO METHANE (ISTD) VO 128 CH2BrCl
   A INTERNAL STANDARD

pl 9

Sample file: >P3323 Spectrum #: 147
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	74975	30166	"BIGDB	101	12	1	0	82	4	72	94
2.	76*	74975	29906	"BIGDB	72	40	2	0	69	11	40	54
3.	75*	446	204	PRIPOL	82	44	2	0	64	20	35	63



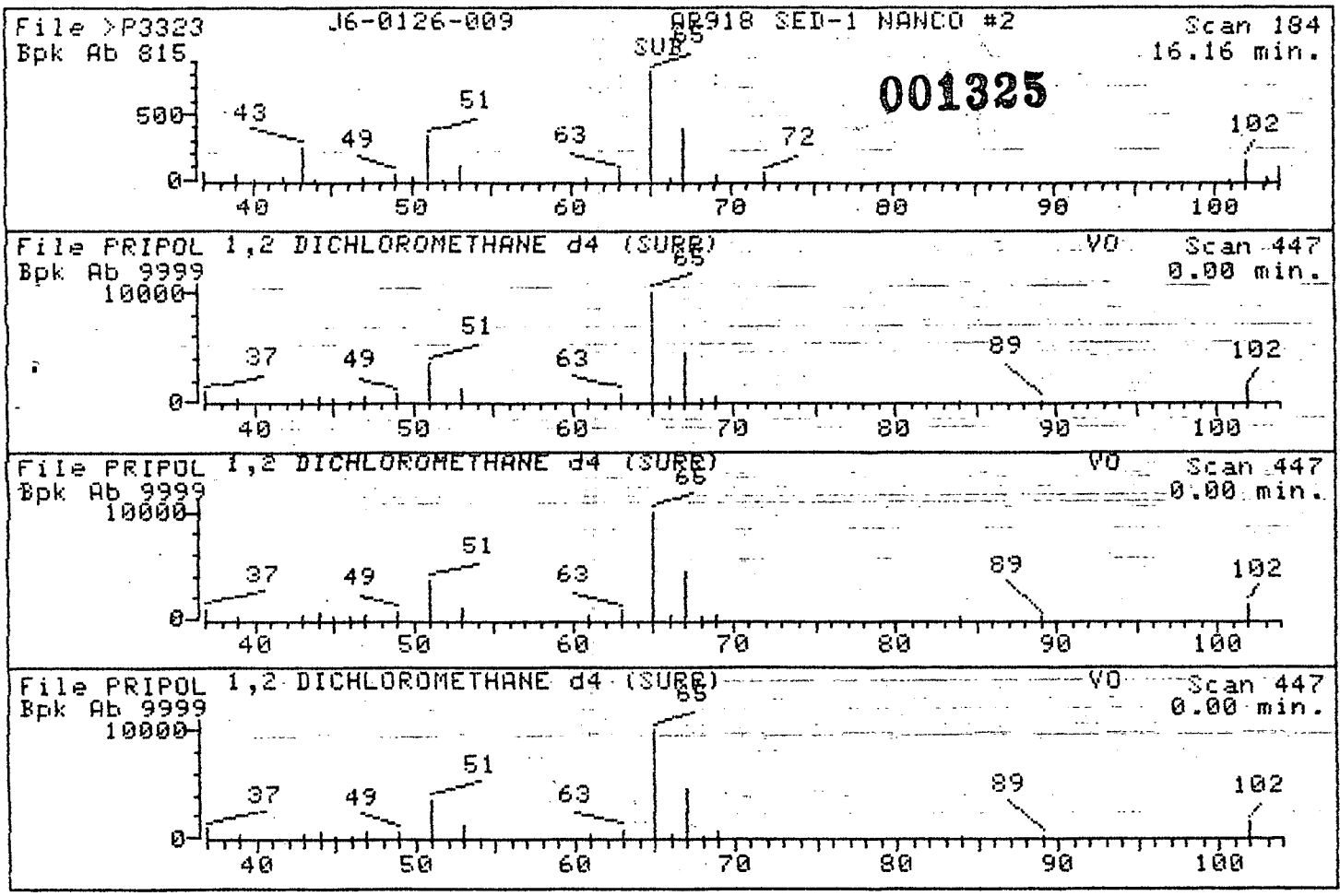
001324

<10% IS plg

1. Borane, compd. with carbon monoxide (1:1) 42 CH3BO
2. 1-Propene 42 C3H6

Sample file: >P3323 Spectrum #: 160
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30*	13205442	355	"BIGDB	26	87	0	0	100	44	8	18
2.	11*	115071	282	"BIGDB	21	63	0	0	51	65	2	15



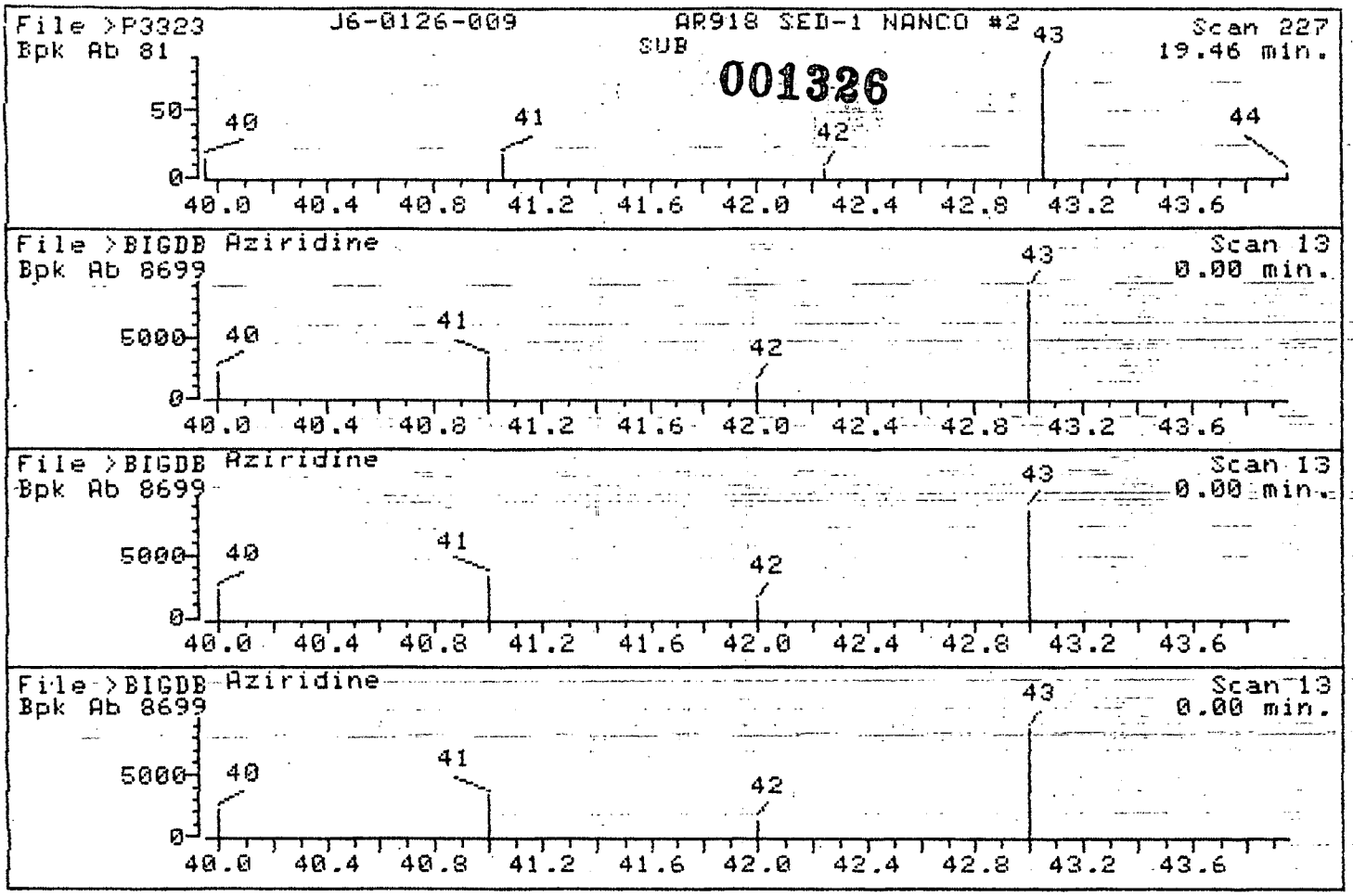
001325

1. 1,2 DICHLOROMETHANE d4 (SURR) VO 102
LATILE SURROGATE

pl 9

Sample file: >P3323 Spectrum #: 184
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	447	64	PRIPOL	59	41	2	0	100	2	60	36

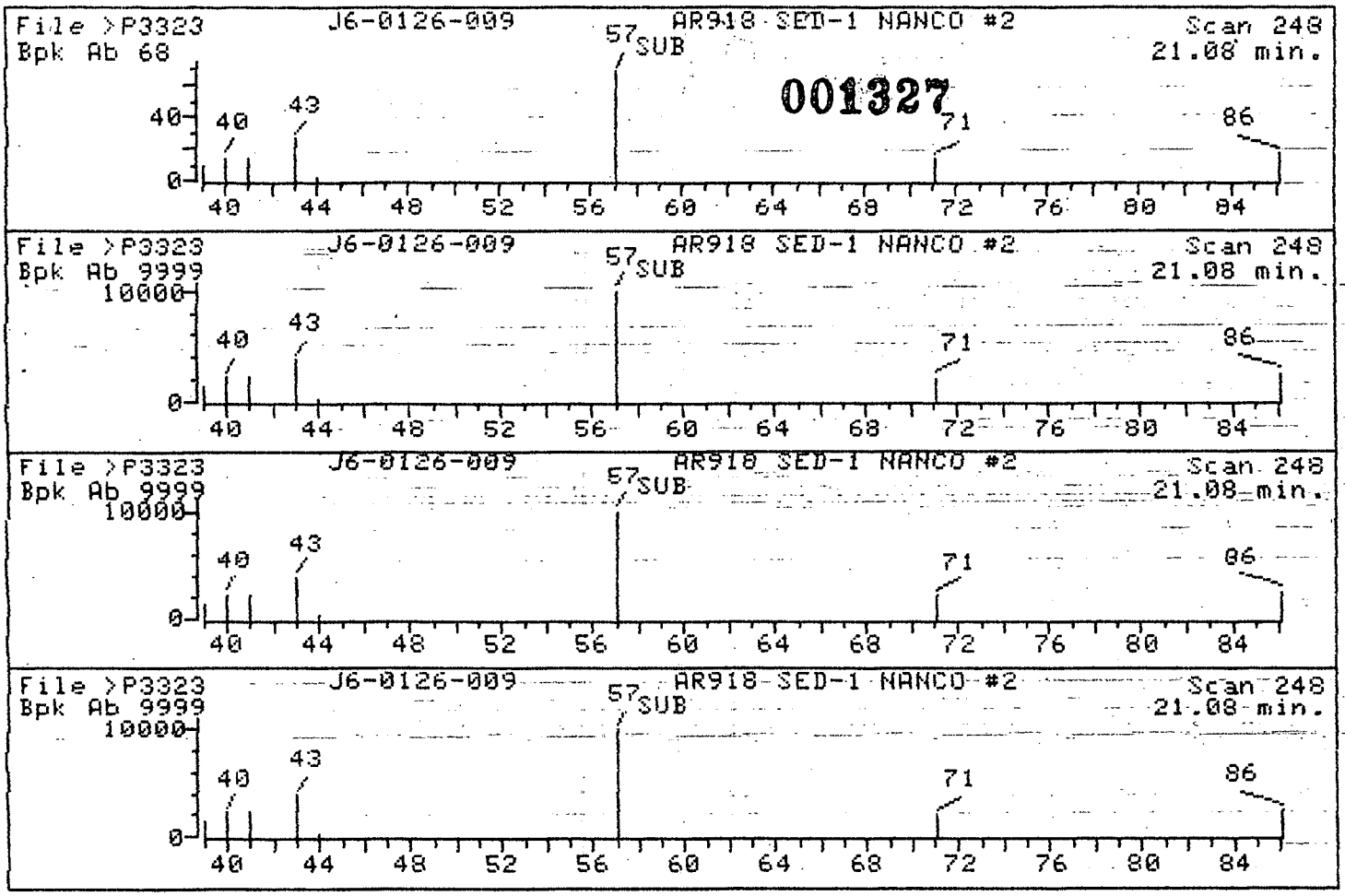


001326

1. Aziridine X <10% IS plg 43 C2H5N

Sample file: >P3323 Spectrum #: 227
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30*	151564	13	"BIGDB	22	39	0	0	51	39	10	16



001327

<10% IS

plg

Sample file: >P3323 Spectrum #: 248

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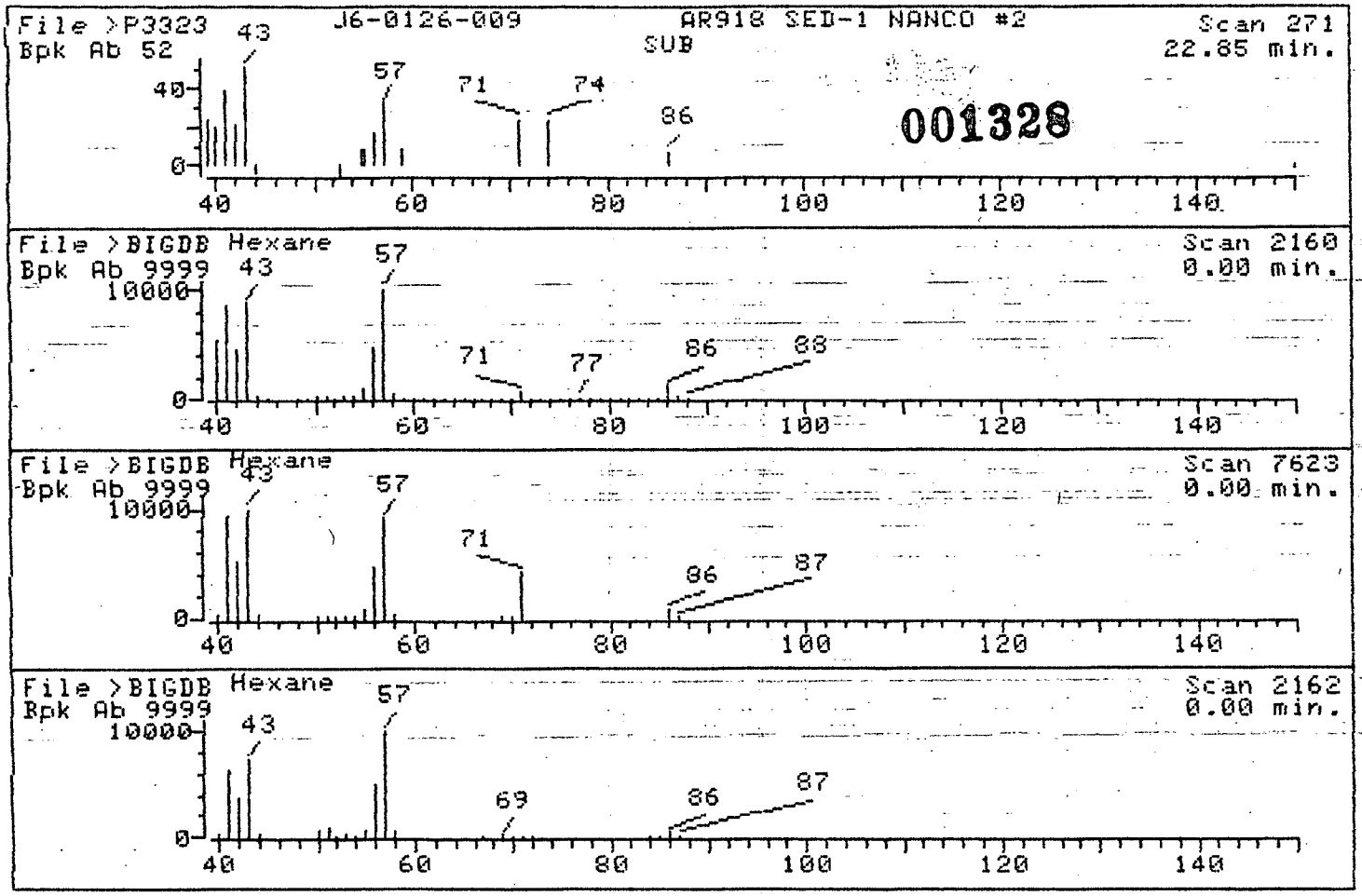


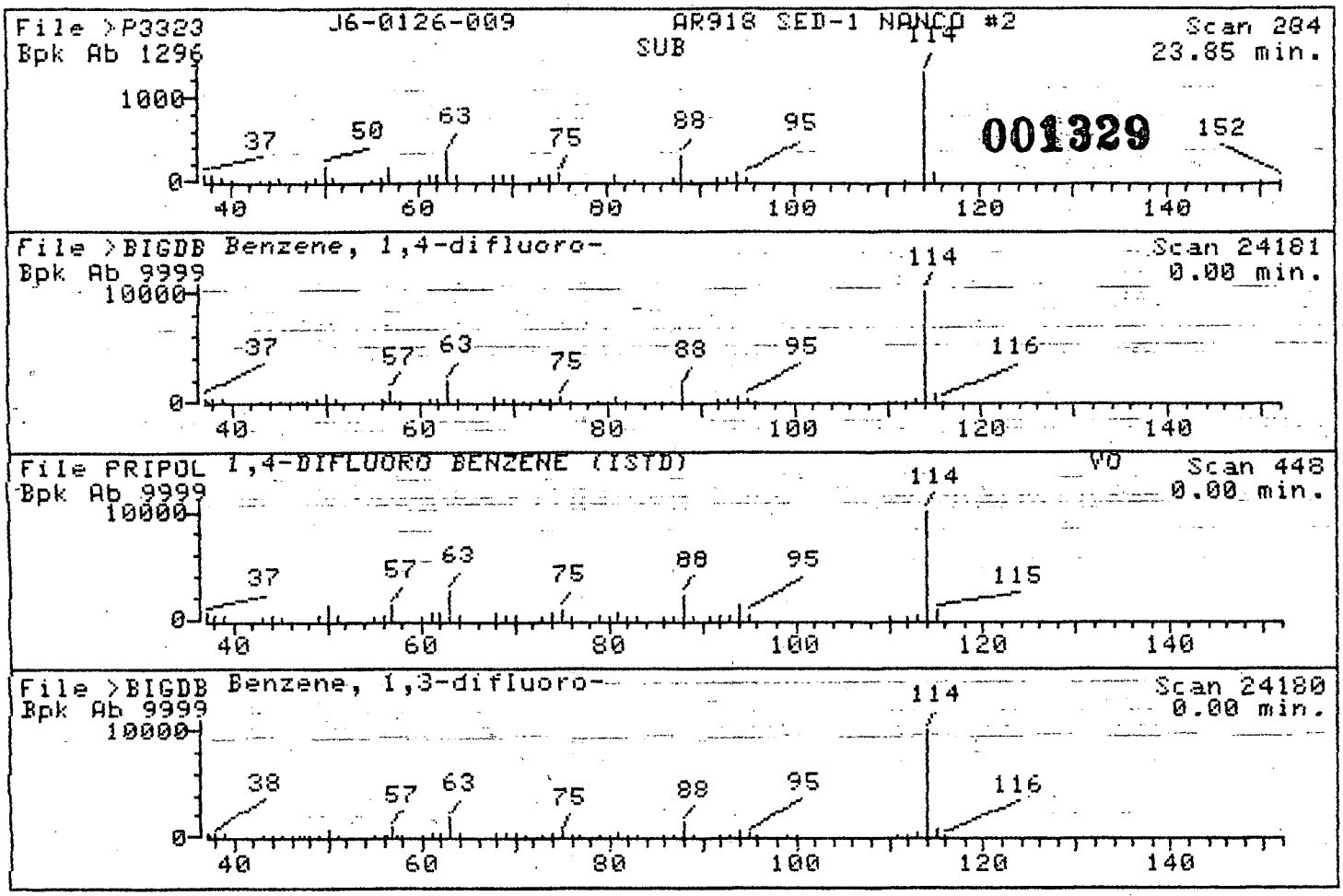
1. Hexane
2. Hexane
3. Hexane
4. Hexane
5. Acetic acid, methyl ester

<10% IS
pl9

86 C6H14
86 C6H14
86 C6H14
86 C6H14
74 C3H6O2

Sample file: >P3323 Spectrum #: 271
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	35*	110543	2160	"BIGDB	46	44	2	0	61	45	12	26
2.	27*	110543	7623	"BIGDB	37	61	2	0	67	43	8	15
3.	15*	110543	2162	"BIGDB	22	64	3	0	110	59	3	12
4.	11*	110543	2164	"BIGDB	28	35	1	0	83	63	2	15
5.	11*	79209	8748	"BIGDB	21	29	2	0	88	61	2	13

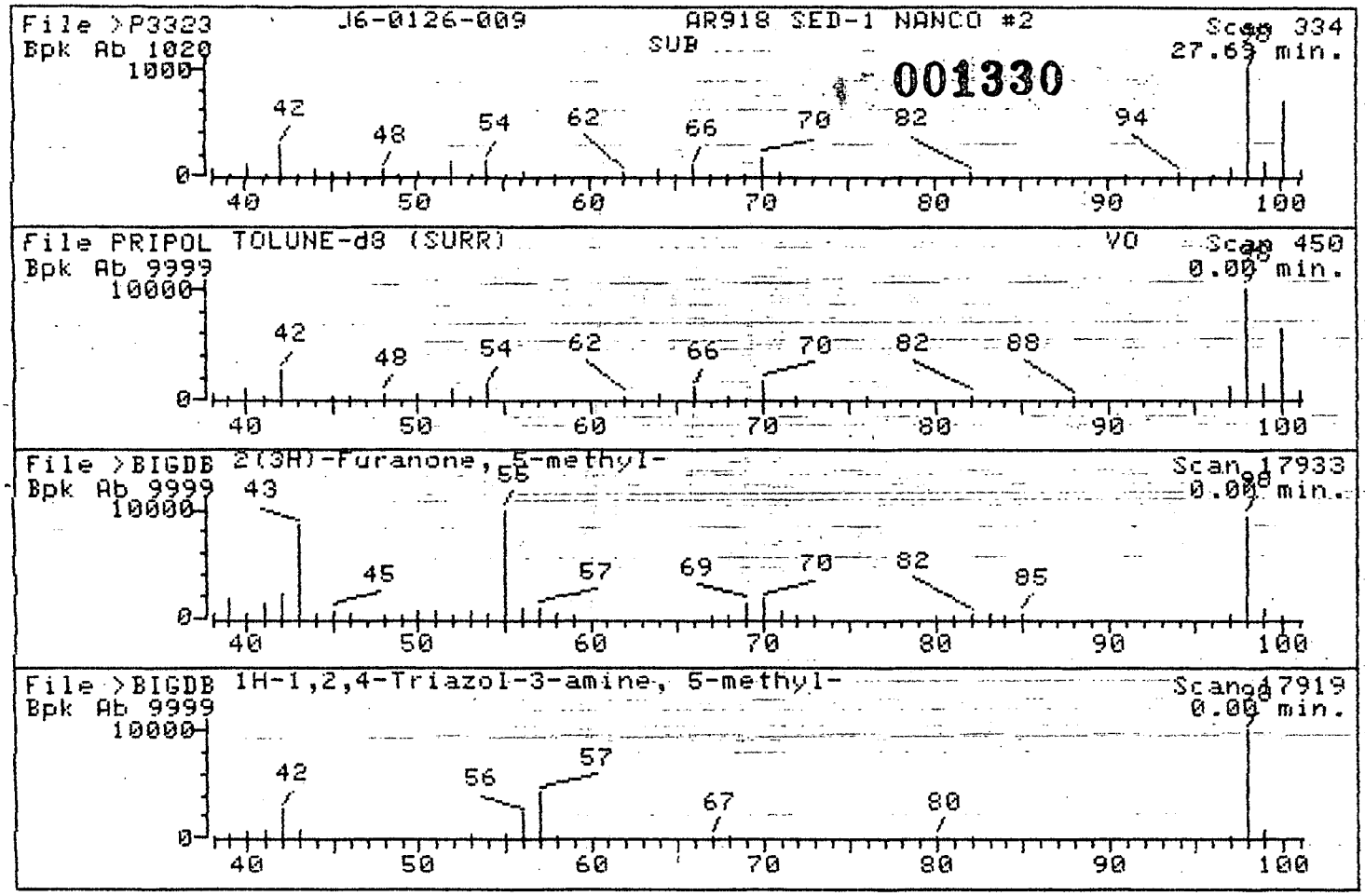


1.	Benzene, 1,4-difluoro-		114	C6H4F2
2.	1,4-DIFLUORO BENZENE (ISTD)	VO	114	C6H4F2
	A INTERNAL STANDARD			
3.	Benzene, 1,3-difluoro-		114	C6H4F2
4.	Benzene, 1,2-difluoro-		114	C6H4F2
5.	Benzene, 1,4-difluoro-		114	C6H4F2

plg

Sample file: >P3323 Spectrum #: 284
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	540363	24181	"BIGDB	78	11	1	0	100	1	72	94
2.	83*	448	176	PRIPOL	74	26	1	0	68	13	51	72
3.	76*	372189	24180	"BIGDB	55	30	1	0	100	15	40	52
4.	71*	367113	24179	"BIGDB	47	38	1	0	100	12	38	32
5.	46*	540363	24611	"BIGDB	45	36	2	0	100	26	19	24



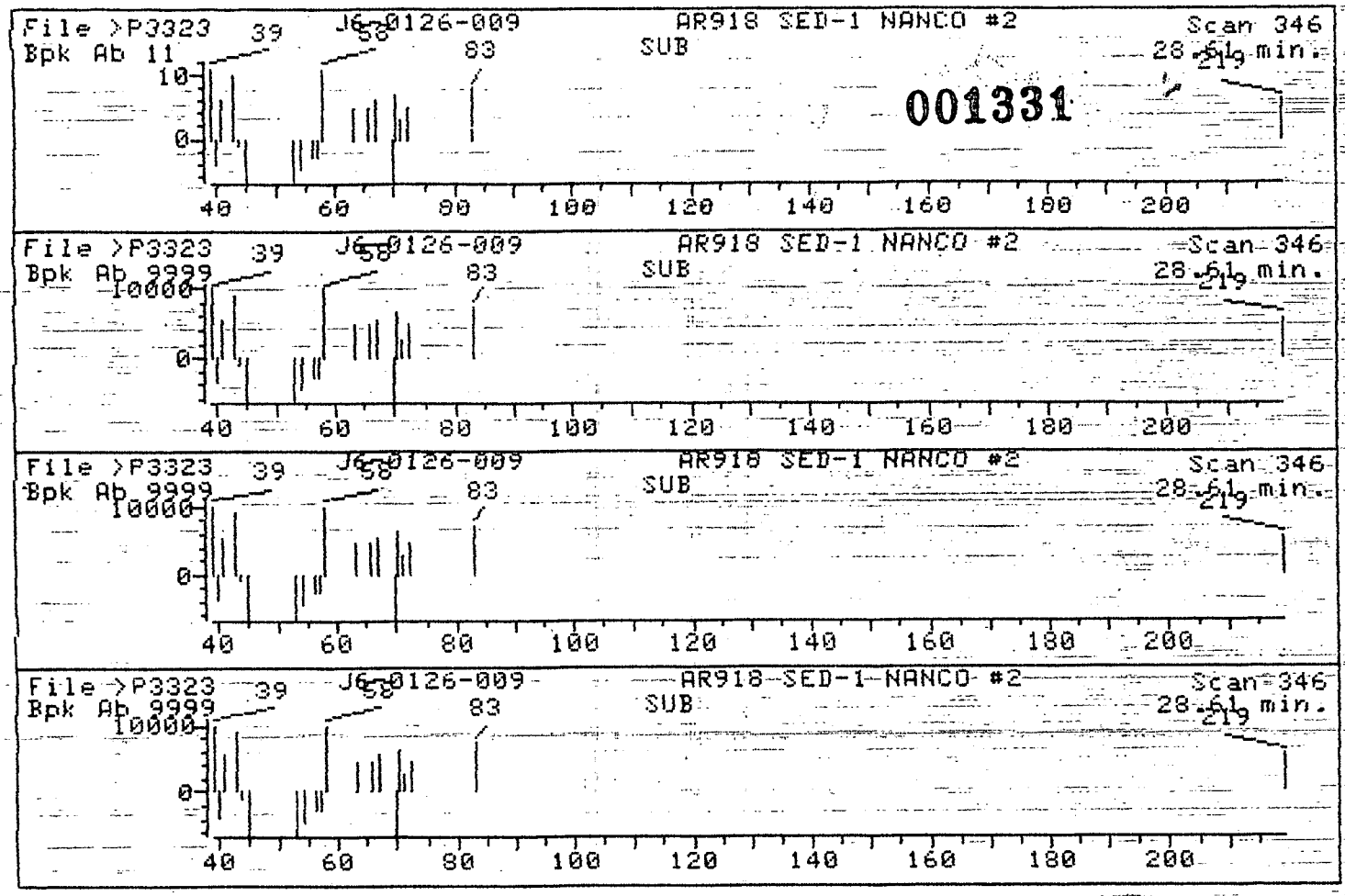
001330

1. TOLUNE-d8 (SURR) VO 96
   LATILE SURROGATE
2. 2(3H)-Furanone, 5-methyl- 98 C5H6O2
3. 1H-1,2,4-Triazol-3-amine, 5-methyl- 98 C3H6N4
4. 2(5H)-Furanone, 5-methyl- 98 C5H6O2
5. Sydnone, 3-methyl- 100 C3H4N2O2

plg

Sample file: >P3323 Spectrum #: 334
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	42	450	158	PRIPOL	60	38	2	0	87	28	14	19
2.	29*	591128	17933	"BIGDB	22	78	3	0	105	32	12	12
3.	27*	4923017	17919	"BIGDB	22	57	2	0	100	40	10	13
4.	24*	591117	18380	"BIGDB	24	82	3	0	204	42	8	12
5.	15*	6939124	18996	"BIGDB	24	47	3	0	68	60	3	12



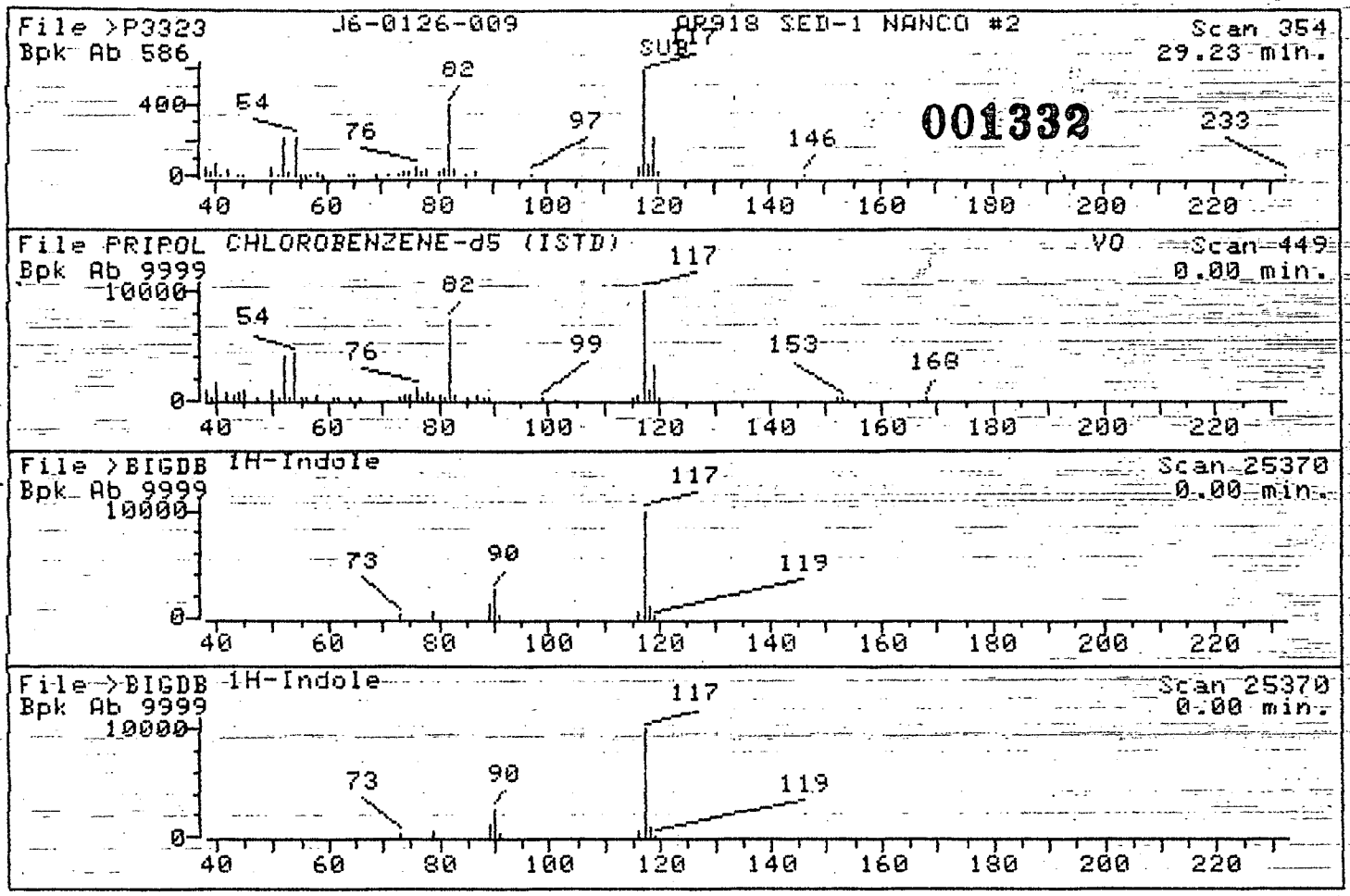
001331

<10% IS

plg

Sample file: >P3323 Spectrum #: 346

No data base entries were retrieved.

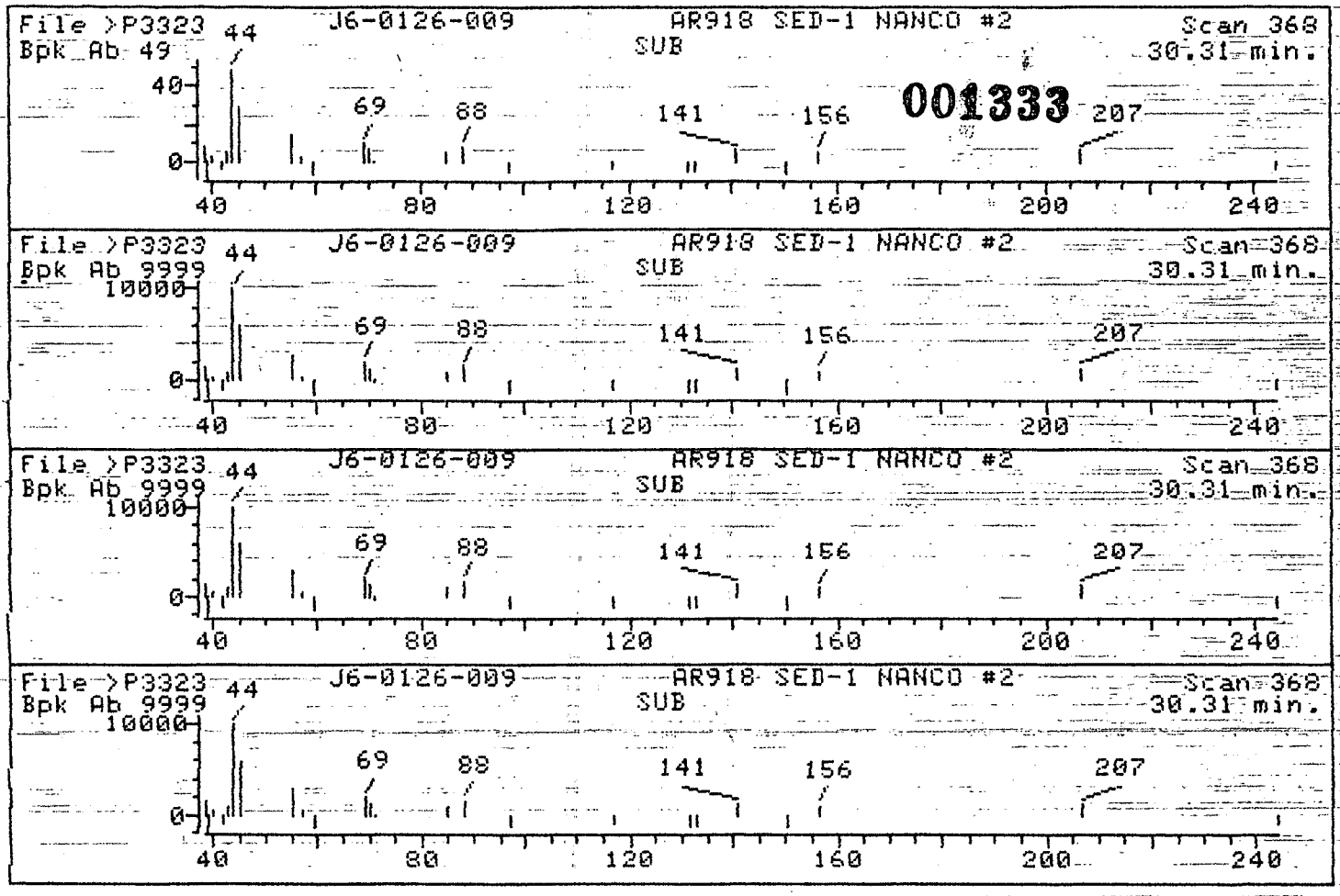


1. CHLOROBENZENE-d5 (ISTD) VO 117
   A INTERNAL STANDARD
2. 1H-Indole 117 C8H7N

pl9

Sample file: >P3323 Spectrum #: 354
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78*	449	177	PRIPOL	32	73	3	0	92	2	55	13
2.	20*	120729	25370	"BIGDB	22	34	3	0	100	53	5	12

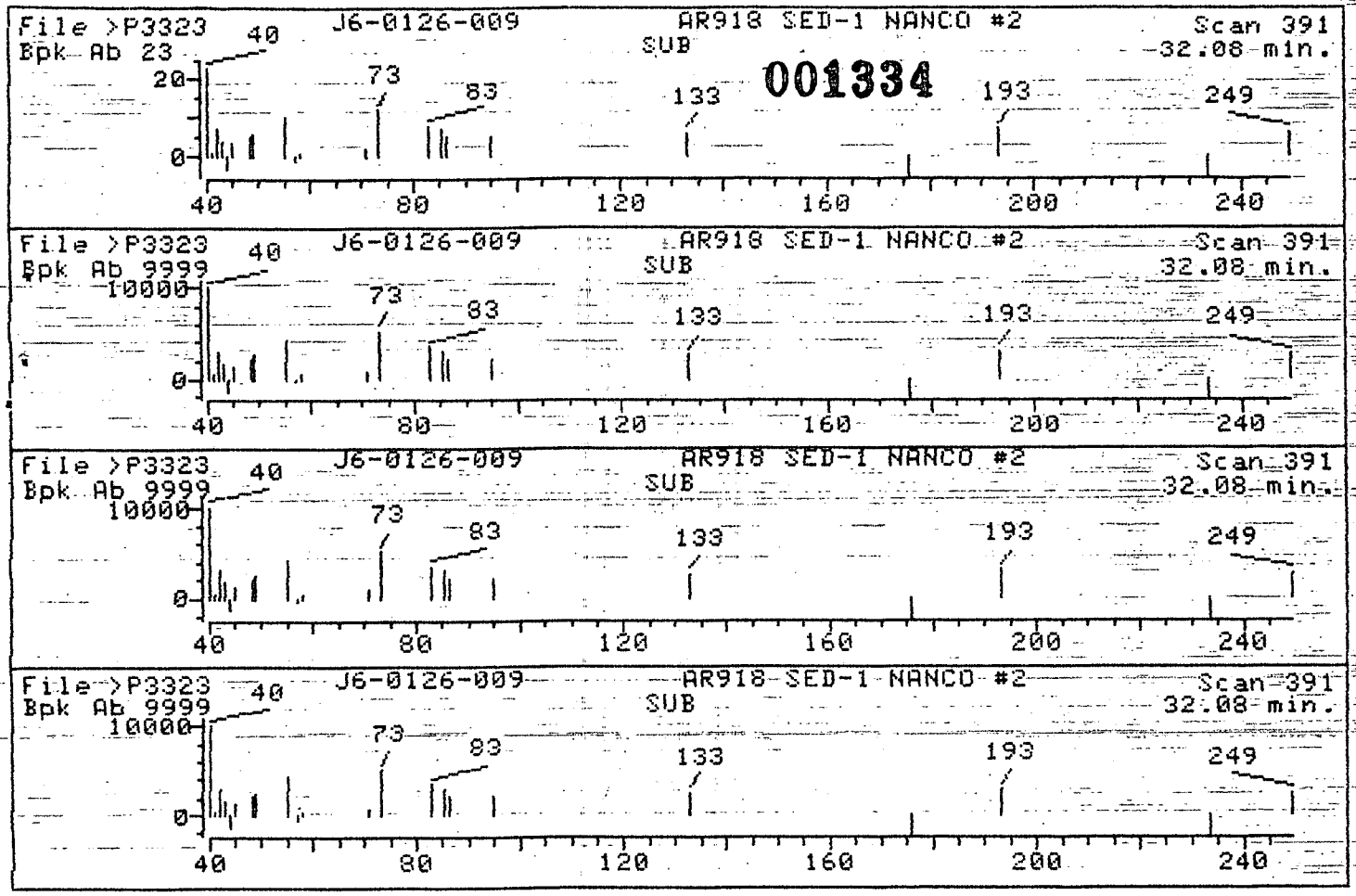


001333

<10% IS
plg

Sample file: >P3323 Spectrum #: 368

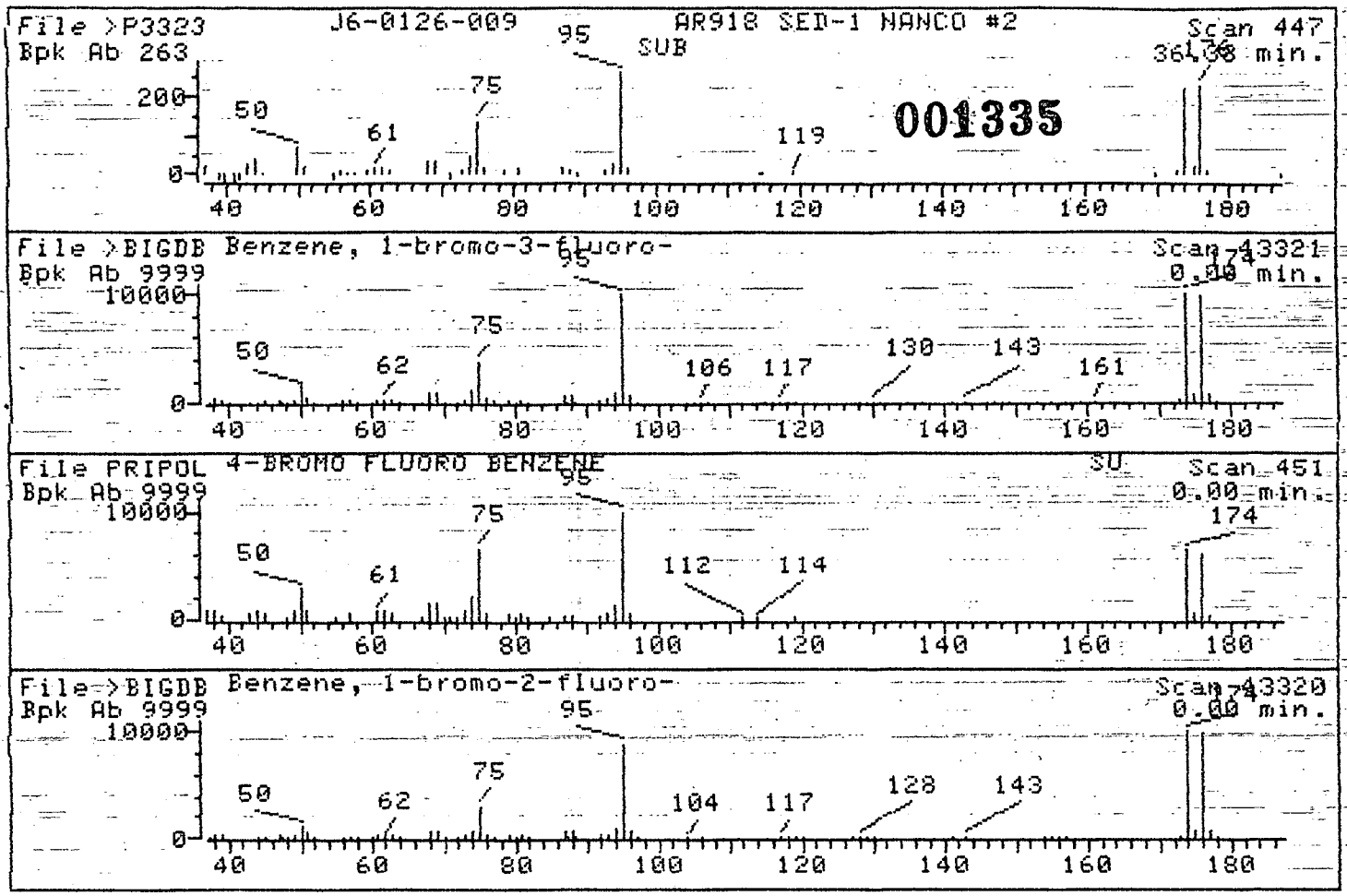
No data base entries were retrieved.



Sample file: >P3323 Spectrum #: 391

<10% IS
plg

No data base entries were retrieved.

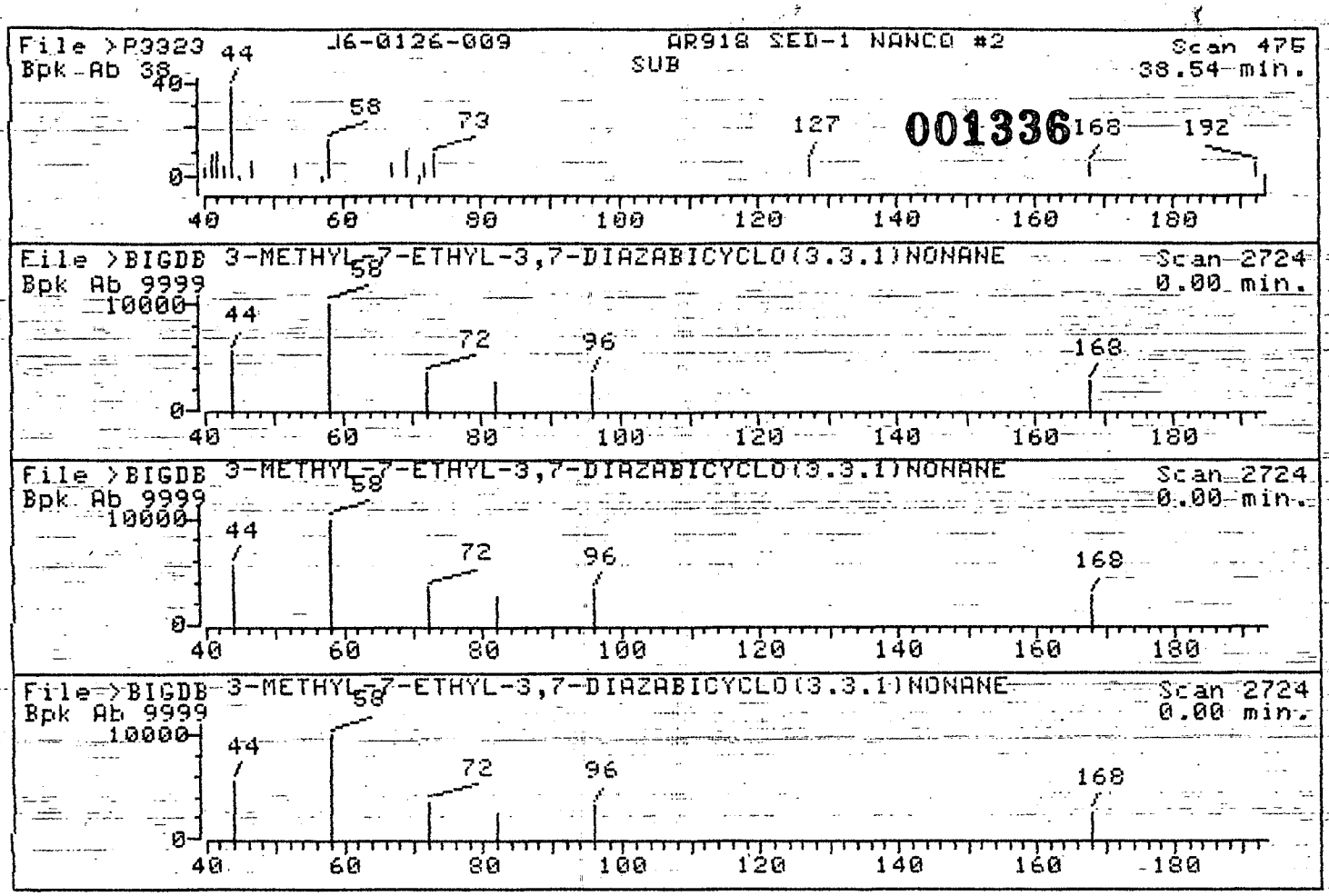


1. Benzene, 1-bromo-3-fluoro- 174 C6H4BrF
2. 4-BROMO FLUORO BENZENE SU 174 C6H4BrF
   RROGATE COMPOUND
3. Benzene, 1-bromo-2-fluoro- 174 C6H4BrF
4. Benzene, 1-bromo-4-fluoro- 174 C6H4BrF

plg

Sample file: >P3323 Spectrum #: 447
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	71*	1073069	43321	"BIGDB	55	58	2	0	86	11	38	32
2.	62*	451	144	PRIPOL	65	51	2	0	76	27	25	44
3.	60*	1072851	43320	"BIGDB	48	59	2	0	86	12	30	19
4.	60*	460004	43322	"BIGDB	48	62	2	0	86	12	30	19



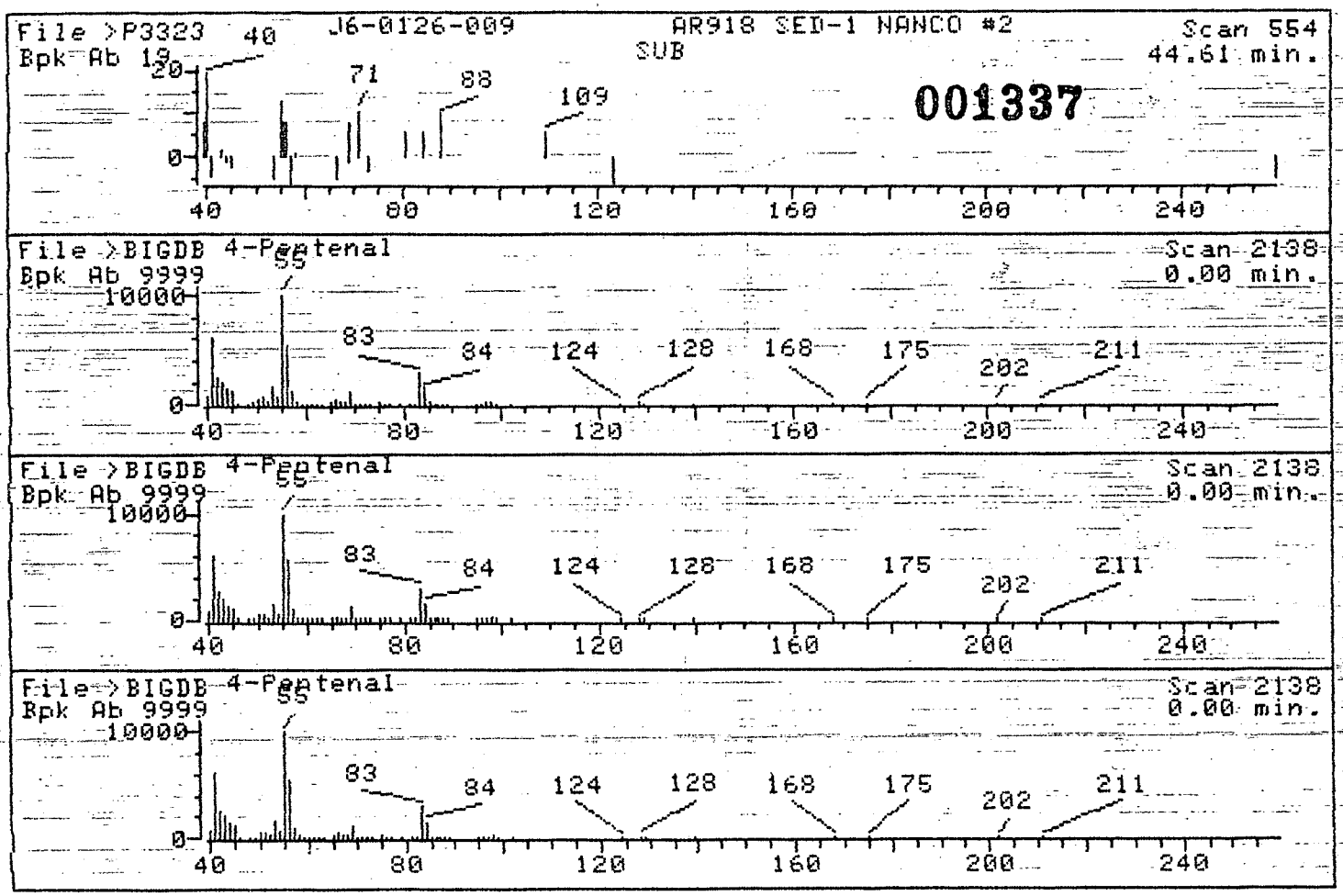
001336

<10% IS

1. 3-METHYL-7-ETHYL-3,7-DIAZABICYCLO(3.3.1)NONANE pl9 168 C10H20N2

Sample file: >P3323 Spectrum #: 475
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	11*	0	2724	"BIGDB	22	23	2	0	37	63	2	13



1. 4-Pentenal 84 C5H8O
2. 4-Pentenal 84 C5H8O

X <10% IS

plg

Sample file: >P3323 Spectrum #: 554
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	15*	2100176	2138	"BIGDB	22	85	3	0	68	56	3	12
2.	15*	2100176	2138	"BIGDB	22	85	3	0	68	56	3	12

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BLANK > P3316

HSLs	~~CONC~~ UG/L
Acetone	5.72

SURROG.	CONC	% REC
Toluene-d8	50.24	100
4-BFB	49.76	99
1,2-Di-chloroethane-d4	47.91	96

TIC

None.

SED-1 9/24/86 J6-0126-009

% mois = 24%

> P 3323

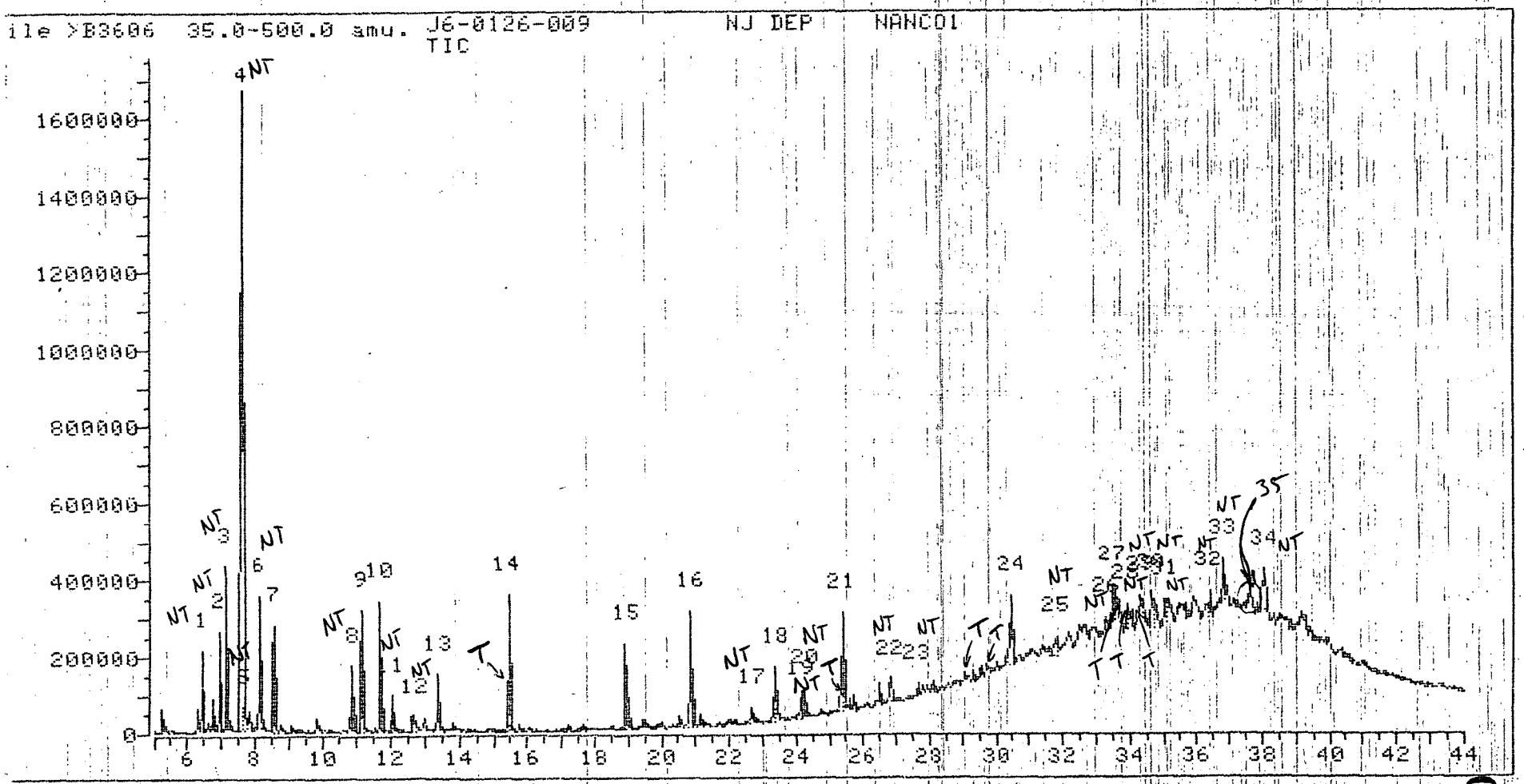
HSLs	CONC	Dry weight	~~CONC~~ UG/L MM
Acetone	23.78	31	~~23.78~~ MM

SURROG.	CONC	% REC
Toluene-d8	50.62	101
4-BFB	46.91	94
1,2-Di-chloroethane-d4	48.13	96

TIC

None

INJECTED 10-3-86 17:07



PK #		
10	1,4-DICHLOROBENZENEd4	(IS)
14	NAPHTHALENE d8	(IS)
16	ACENAPHTHENE d10	(IS)
21	PHENANTHRENE d10	(IS)
27	CHRYSENE d12	(IS)
35	PERYLENE d12	(IS)

PK #		
9	PHENOL d6	(SURR)
7	2-FLUOROPHENOL	(SURR)
13	NITROBENZENE d5	(SURR)
15	2-FLUOROBIPHENYL	(SURR)
18	2,4,6-TRIBROMOPHENOL	(SURR)
24	TERPHENYL d14	(SURR)

001339

QUANT REPORT

Operator ID: GUPTILL Quant Rev: 4 Quant Time: 861003 17:59
Output File: ^B3606::AQ Injected at: 861003 17:07
Data File: >B3606::D3 Dilution Factor: 74.00
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8

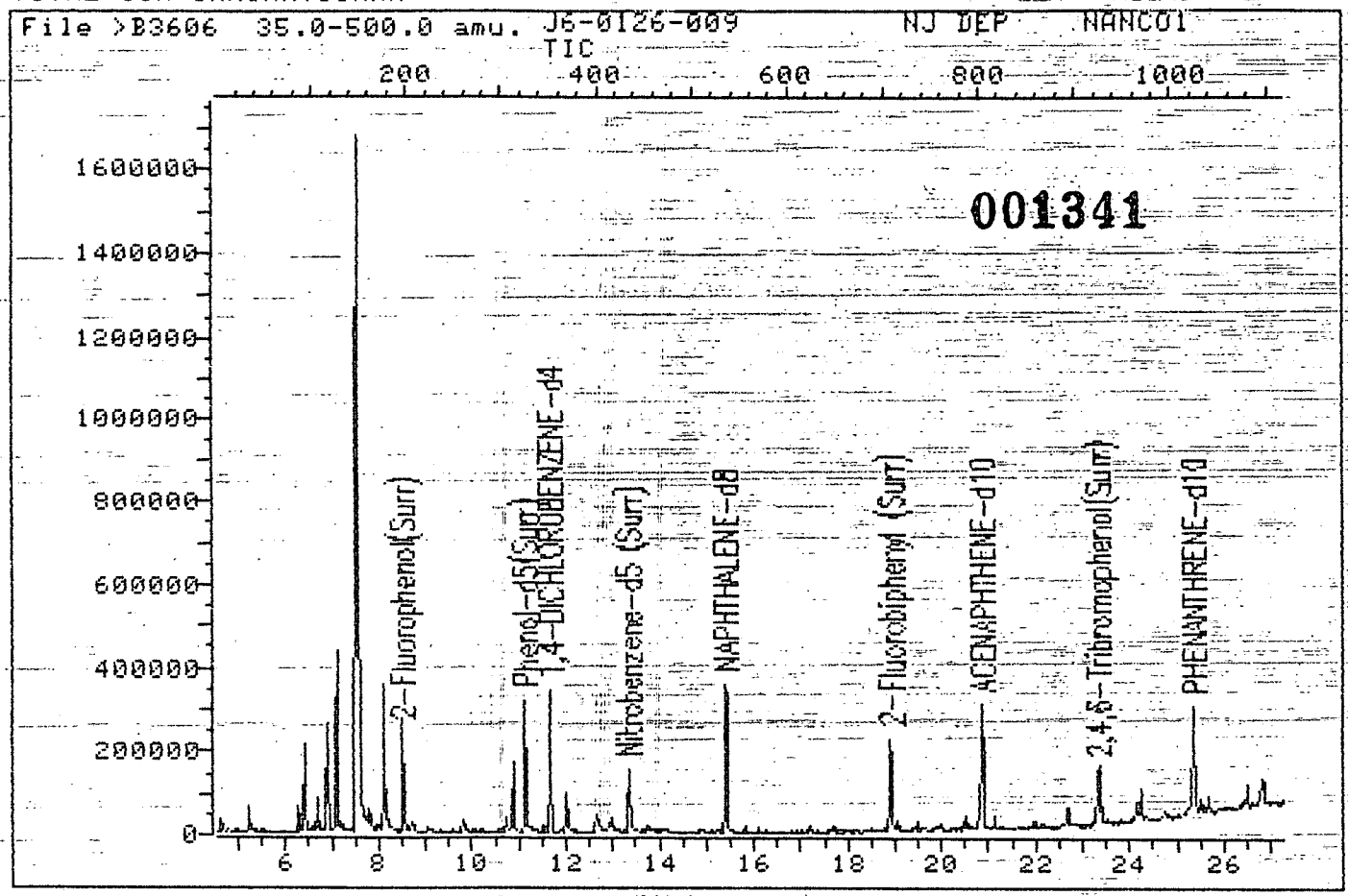
ID File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

001340

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4	11.67	350	102291	40.00	UG	96
14)	*NAPHTHALENE-d8	15.41	534	426465	40.00	UG	100
19)	Benzoic Acid	15.23	525	2973	74.46	UG	95
28)	*ACENAPHTHENE-d10	20.87	803	191981	40.00	UG	98
47)	*PHENANTHRENE-d10	25.35	1023	339221	40.00	UG	92
53)	Phenanthrene	25.41	1026	19549	178.25	UG	96
56)	Fluoranthene	29.07	1205	21809	230.18	UG	82
57)	*CHRYSENE-d12	33.50	1421	196282	40.00	UG	100
58)	Pyrene	29.72	1237	22517	104.24	UG	64
60)	3,3'-Dichlorobenzidine	33.82	1437	2730	682.18	UG	56
62)	bis(2-Ethylhexyl)Phthalate	34.19	1455	25296	335.21	UG	91
63)	Chrysene	33.56	1424	14704	241.31	UG	95
64)	*PERYLENE-d12	37.58	1620	49090	40.00	UG	100
72)	*-1,4-Dichlorobenzene(IS)	11.67	350	102291	40.00	UG	96
73)	Phenol-d5(Surr)	11.15	324	298627	3910.62	UG	92
74)	2-Fluorophenol(Surr)	8.51	194	181170	3257.96	UG	89
75)	*Naphthalene-d8 (IS)	15.41	534	426465	40.00	UG	85
76)	Nitrobenzene-d5 (Surr)	13.36	433	124719	1954.93	UG	90
77)	*Acenaphthene-d10 (IS)	20.87	803	191981	40.00	UG	98
78)	2-Fluorobiphenyl (Surr)	18.92	707	195486	1947.92	UG	98
79)	2,4,6-Tribromophenol(Surr)	23.33	924	52264	3632.98	UG	95
80)	*Chrysene-d12 (IS)	33.50	1421	197550	40.00	UG	100
81)	Terphenyl-d14 (Surr)	30.44	1272	236008	2156.24	UG	98

* Compound is ISTD

TOTAL ION CHROMATOGRAM



001341

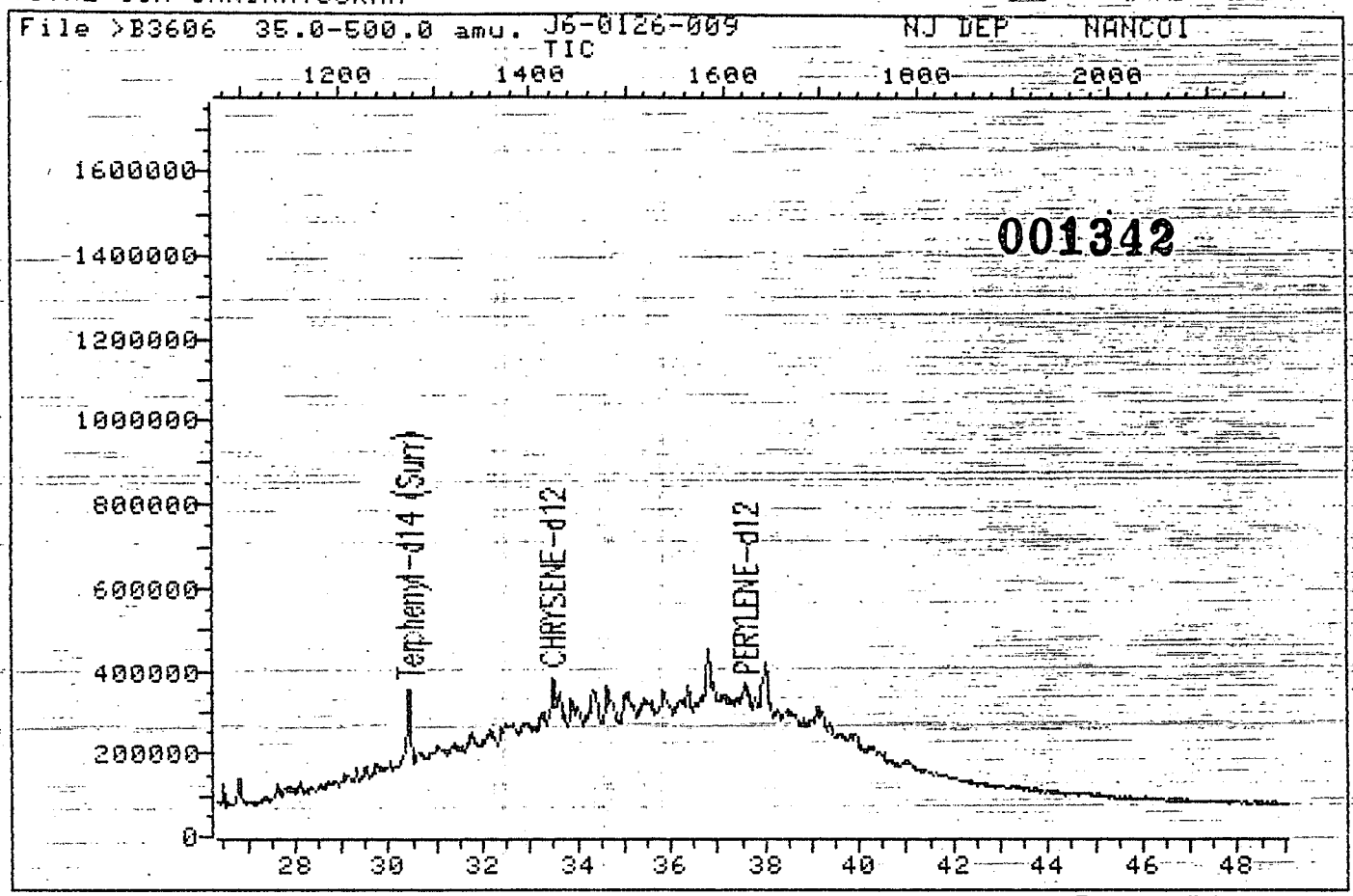
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

Operator ID: GUPTILL
Quant Time: 861003 17:59
Injected at: 861003 17:07

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



001342

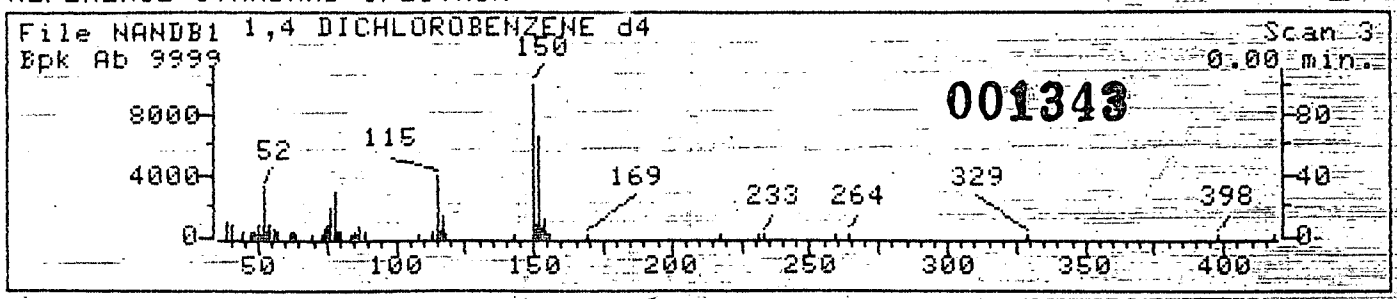
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861003 14:57

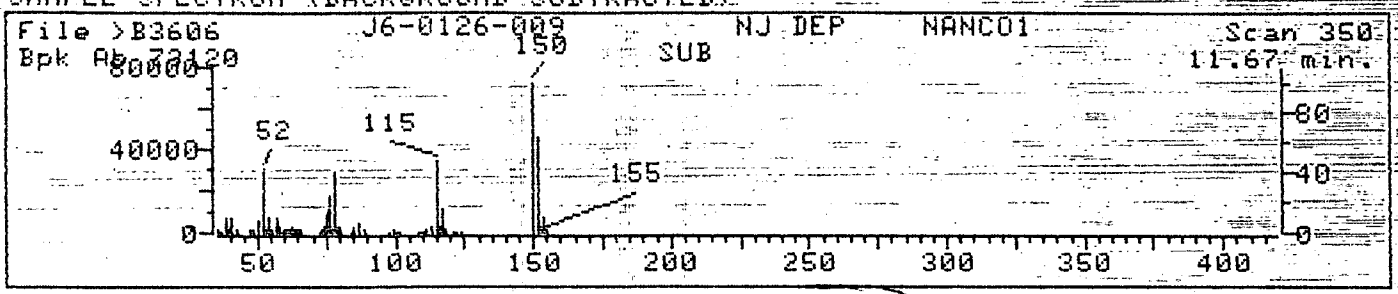
Operator ID: GUPTILL
Quant Time: 861003 17:59
Injected at: 861003 17:07

TIC page 2 of 2

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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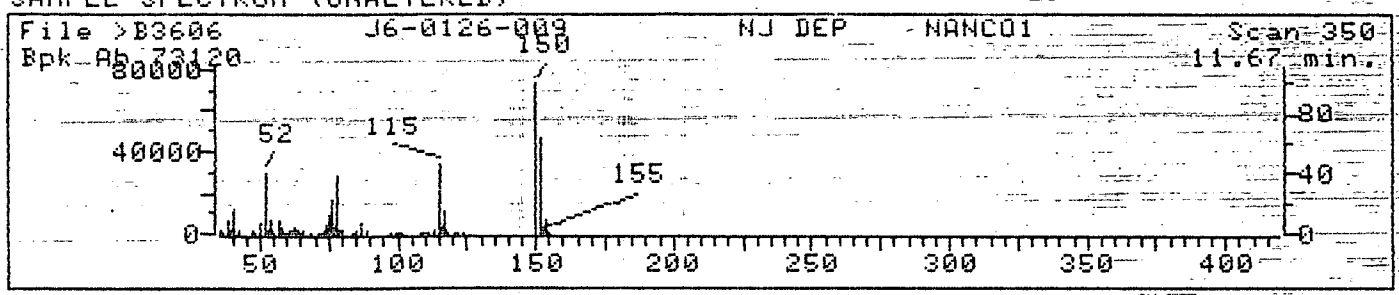
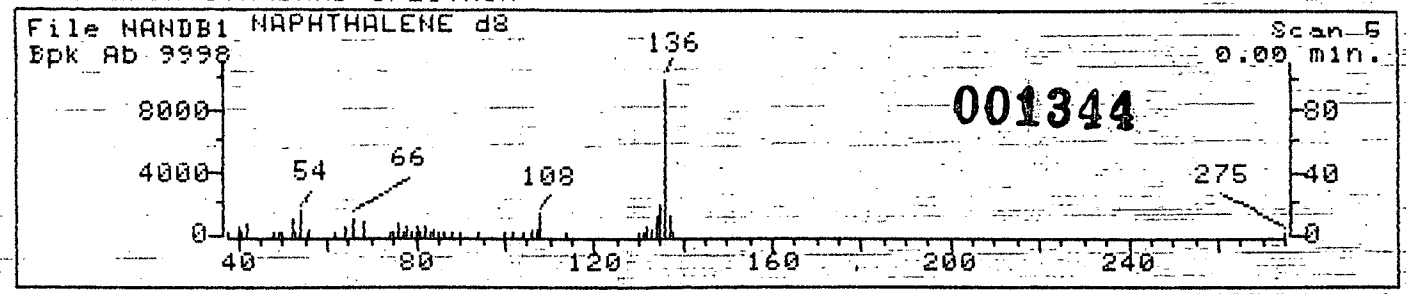


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 1 (ISTD)
Compound Name: 1,4-DICHLOROBENZENE-d4
Scan Number: 350
Retention Time: 11.67 min.
Area: 102291
Concentration: 40.00 UG
q-value: 96

REFERENCE STANDARD SPECTRUM



001344

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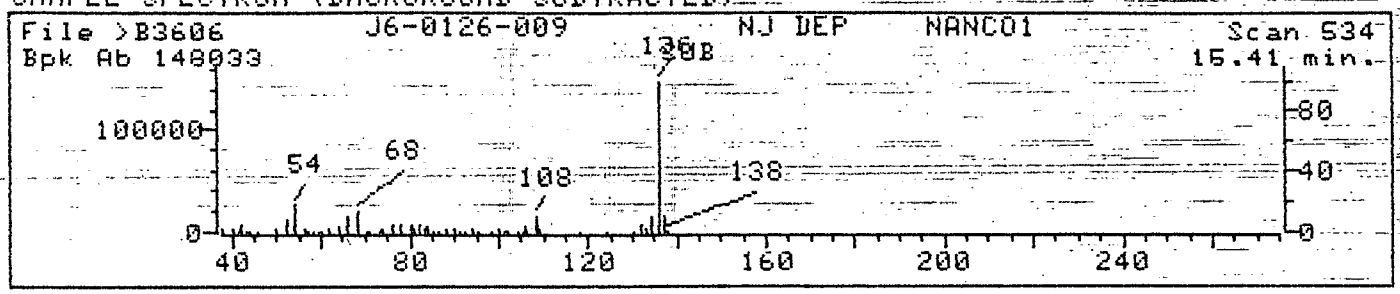

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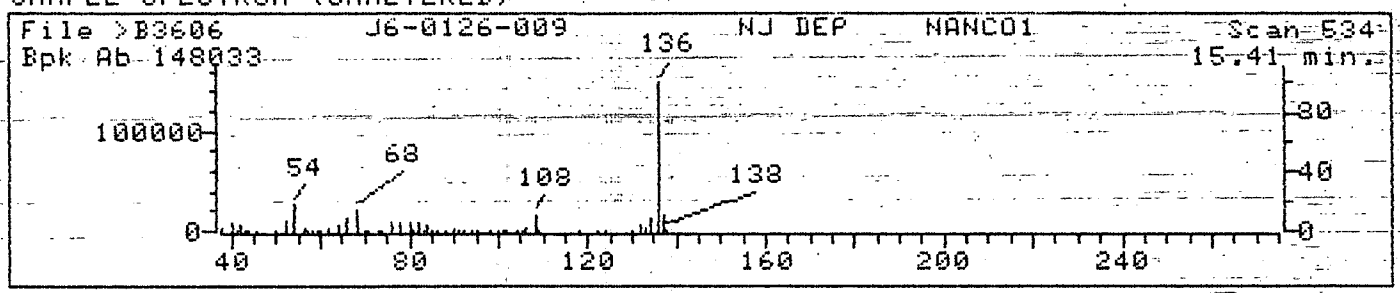
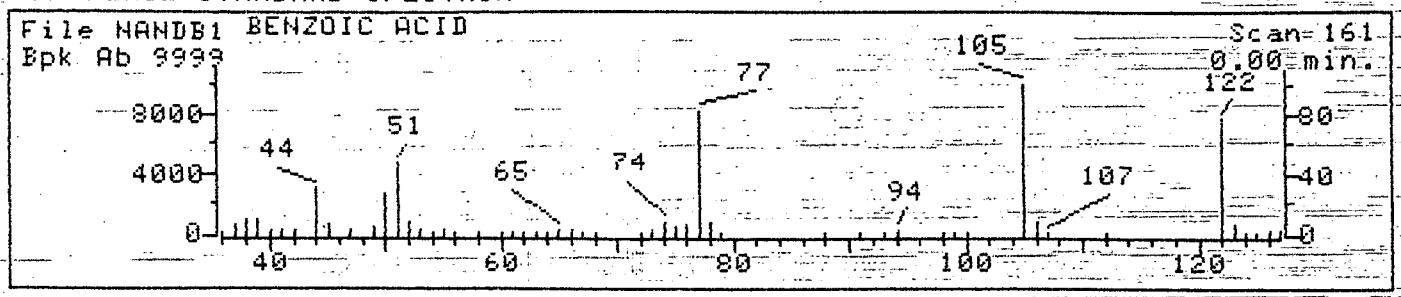


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

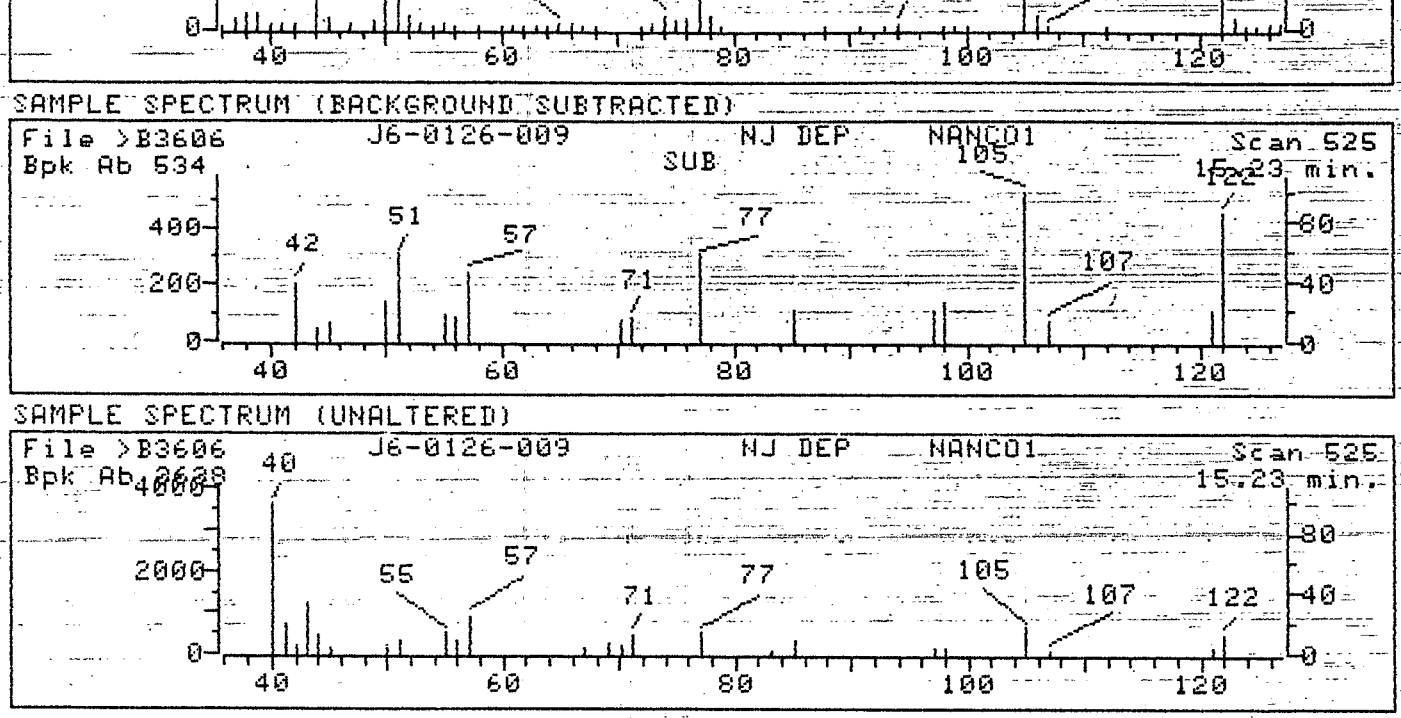
Compound No: 14 (ISTD)
Compound Name: NAPHTHALENE-d8
Scan Number: 534
Retention Time: 15.41 min.
Area: 426465
Concentration: 40.00 UG
q-value: 100

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

SAMPLE SPECTRUM (UNALTERED)

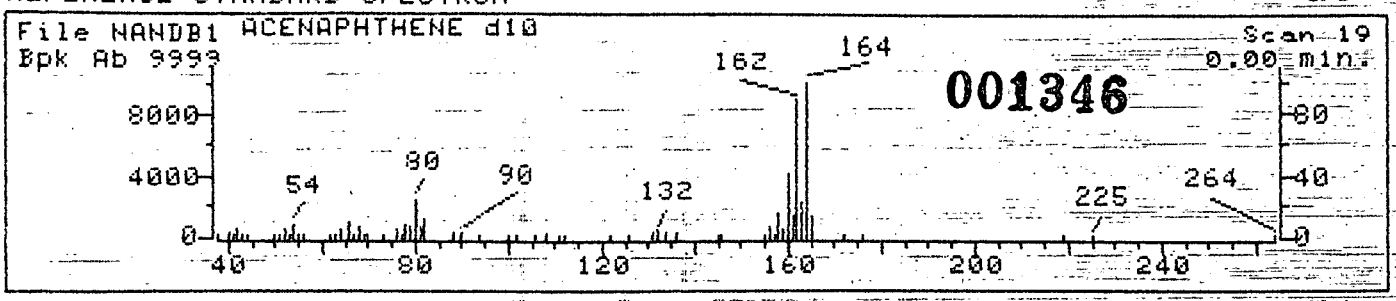


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

BTL# 8

Compound No: 19
Compound Name: Benzoic Acid
Scan Number: 525
Retention Time: 15.23 min.
Area: 2973
Concentration: 74.46 UG
q-value: 95

REFERENCE STANDARD SPECTRUM



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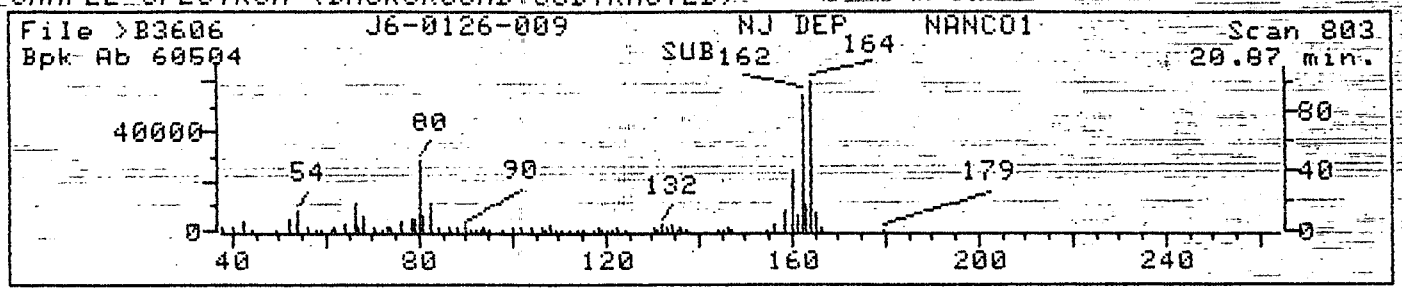

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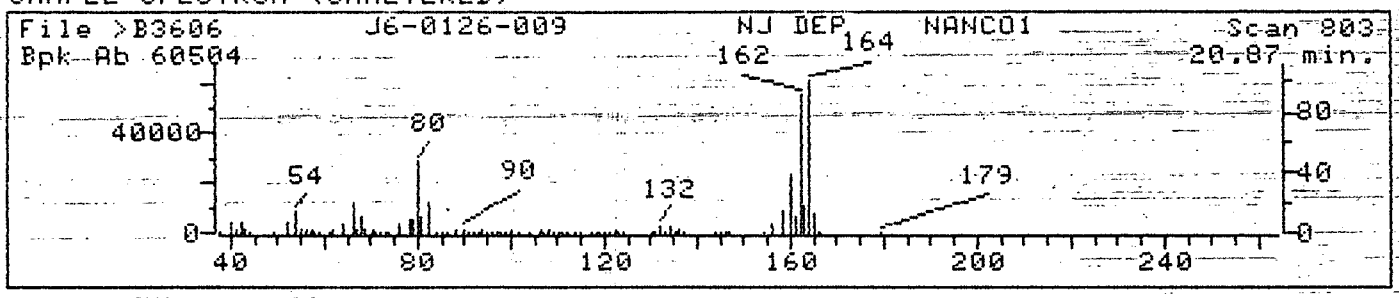
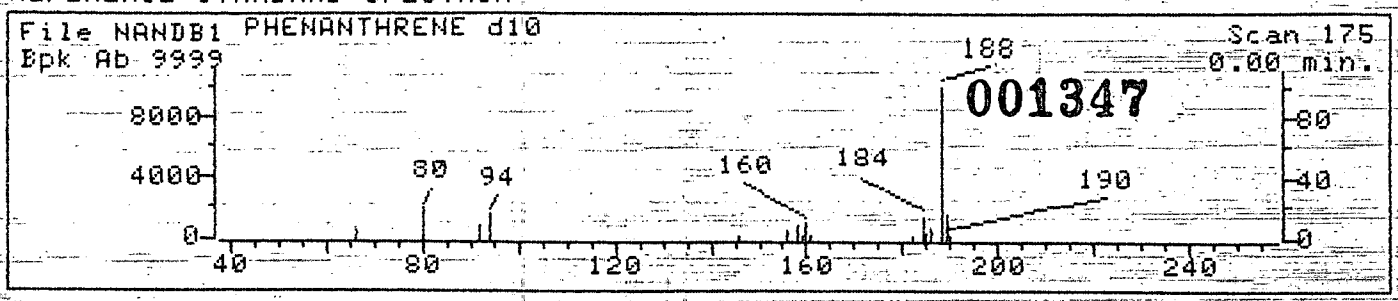


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No.: 28 (ISTD)
Compound Name: ACENAPHTHENE-d10
Scan Number: 803
Retention Time: 20.87 min.
Area: 191981
Concentration: 40.00 UG
q-value: 98

REFERENCE STANDARD SPECTRUM



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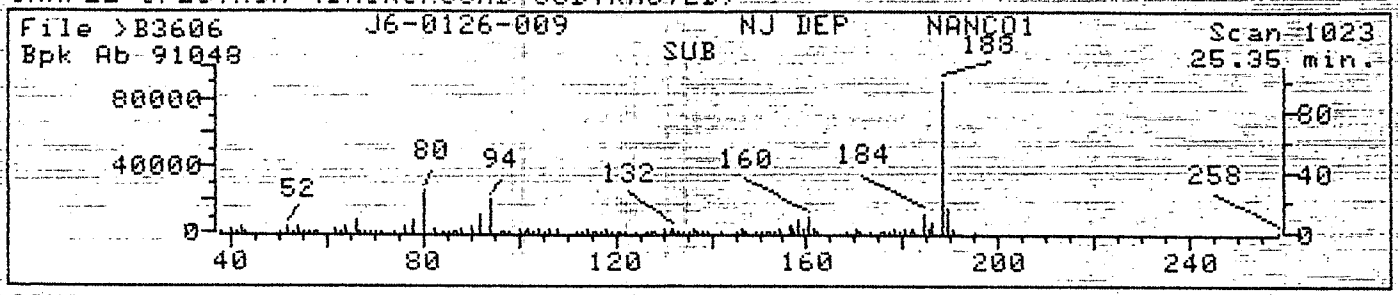

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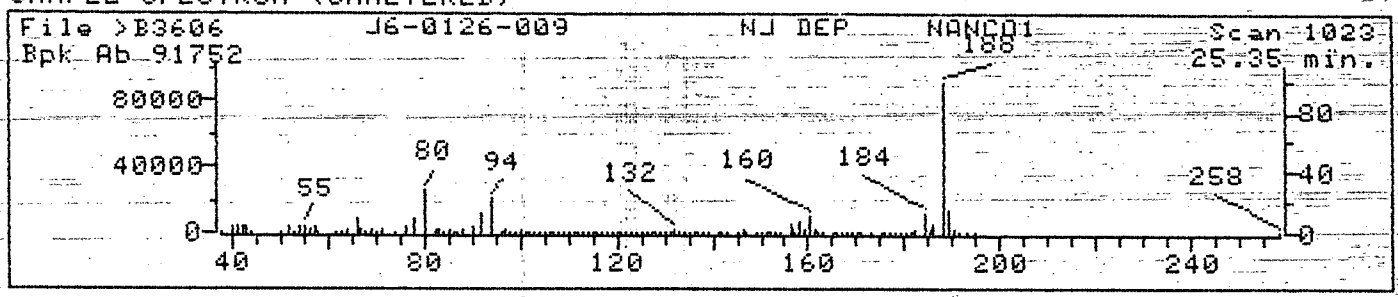
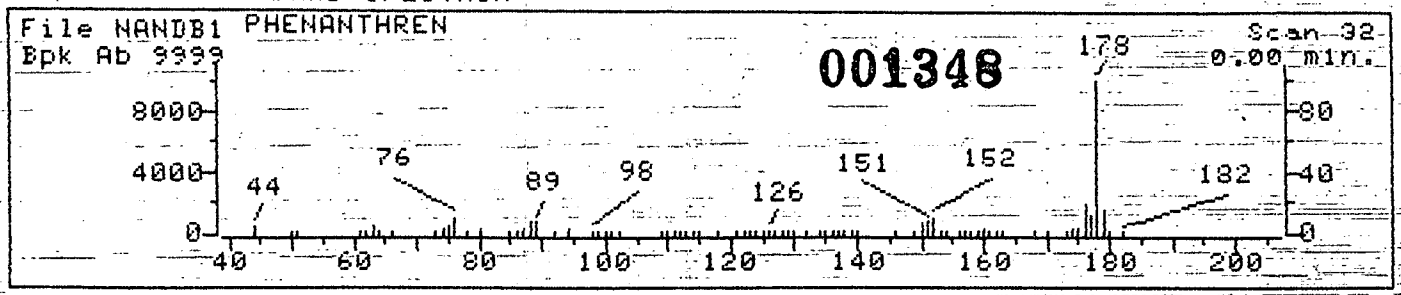


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 47 (ISTD)
Compound Name: PHENANTHRENE-d10
Scan Number: 1023
Retention Time: 25.35 min.
Area: 339221
Concentration: 40.00 UG
q-value: 92

REFERENCE STANDARD SPECTRUM



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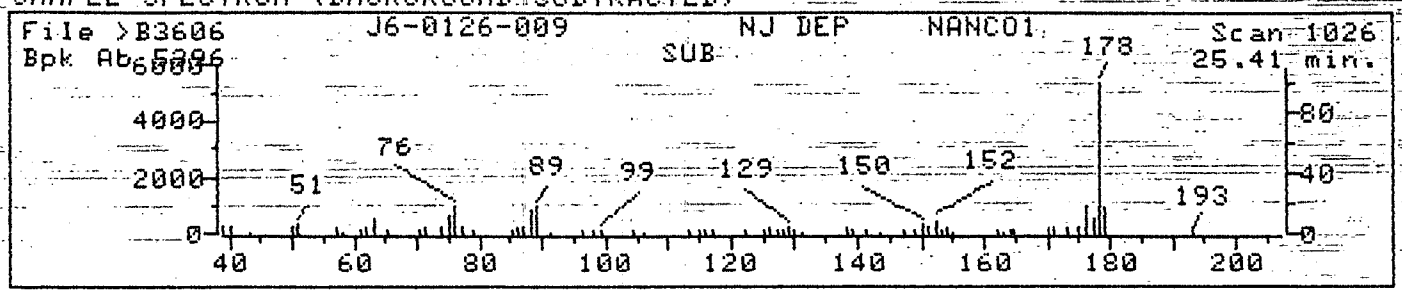

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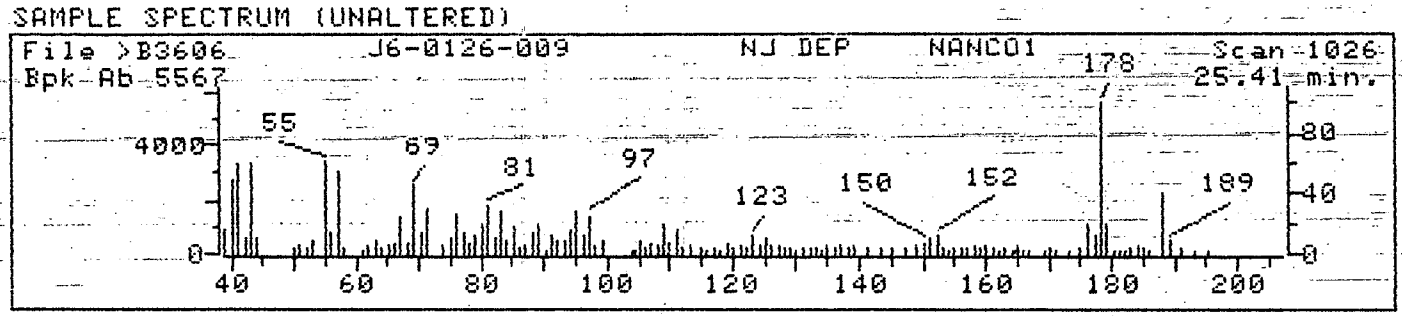
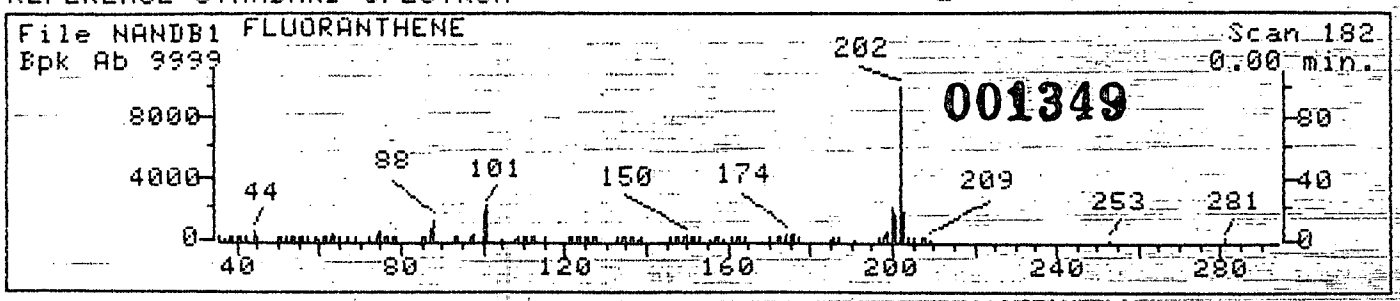


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

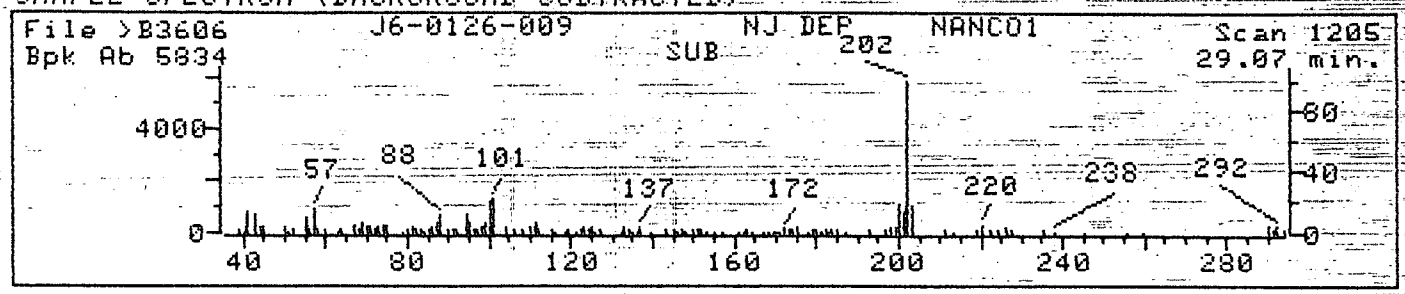
BTL# 8

Compound No: 53
Compound Name: Phenanthrene
Scan Number: 1026
Retention Time: 25.41 min.
Area: 19549
Concentration: 178.25 UG
q-value: 96

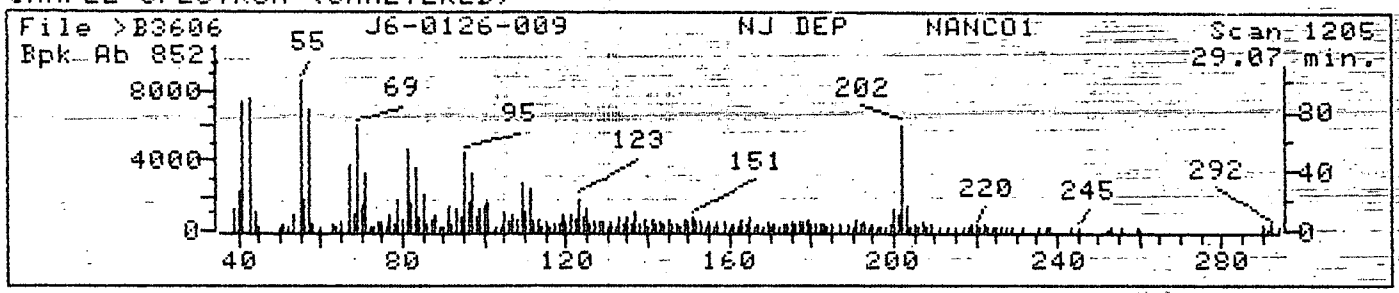
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

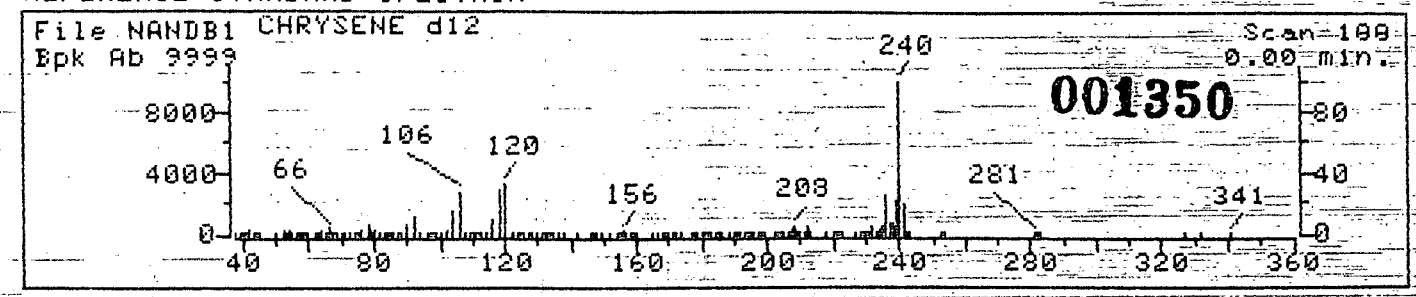


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

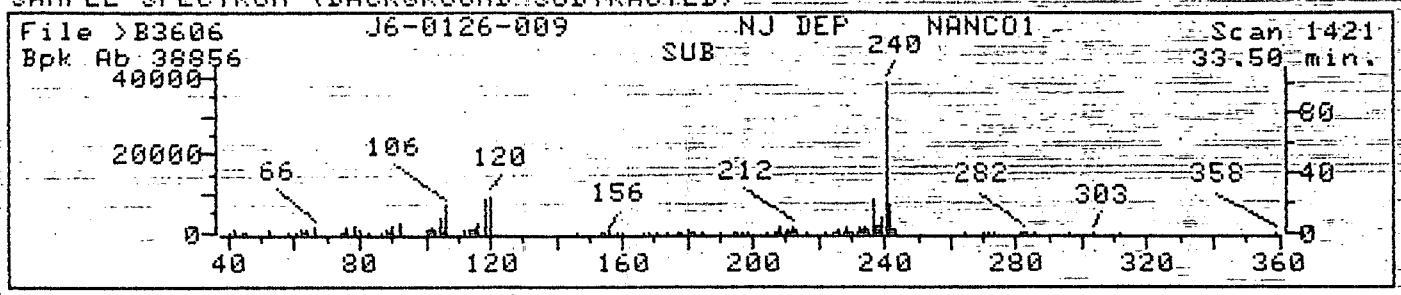
BTL# 8

Compound No: 56
Compound Name: Fluoranthene
Scan Number: 1205
Retention Time: 29.07 min.
Area: 21809
Concentration: 230.18 UG
q-value: 82

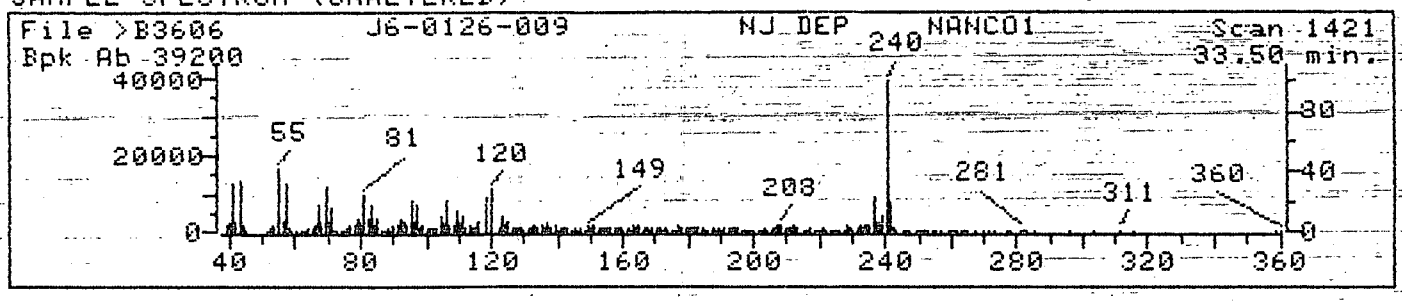
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



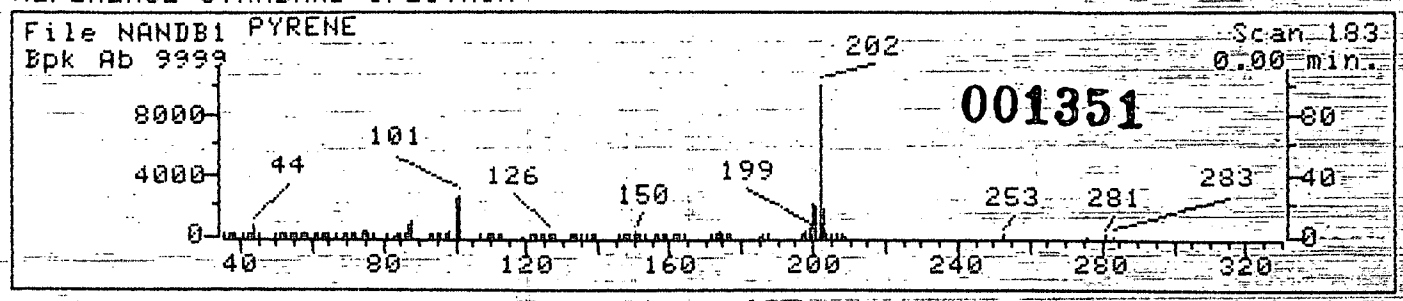
SAMPLE SPECTRUM (UNALTERED)



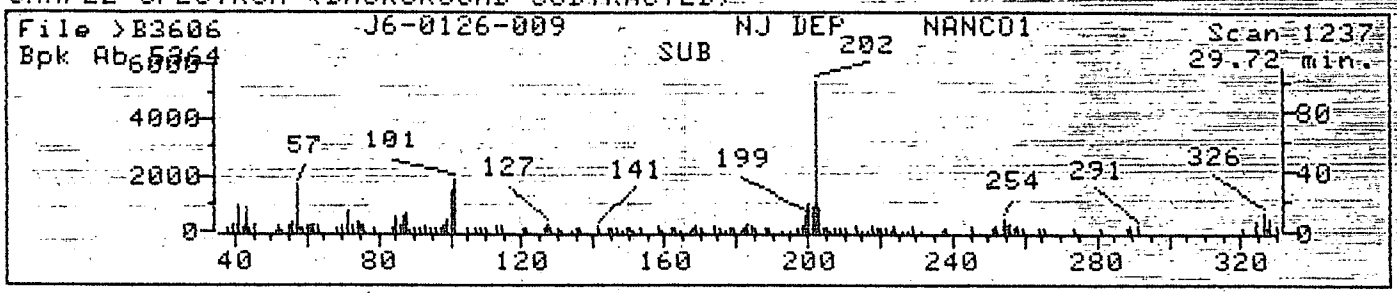
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 57 (ISTD)
Compound Name: CHRYSENE-d12
Scan Number: 1421
Retention Time: 33.50 min.
Area: 196282
Concentration: 40.00 UG
q-value: 100

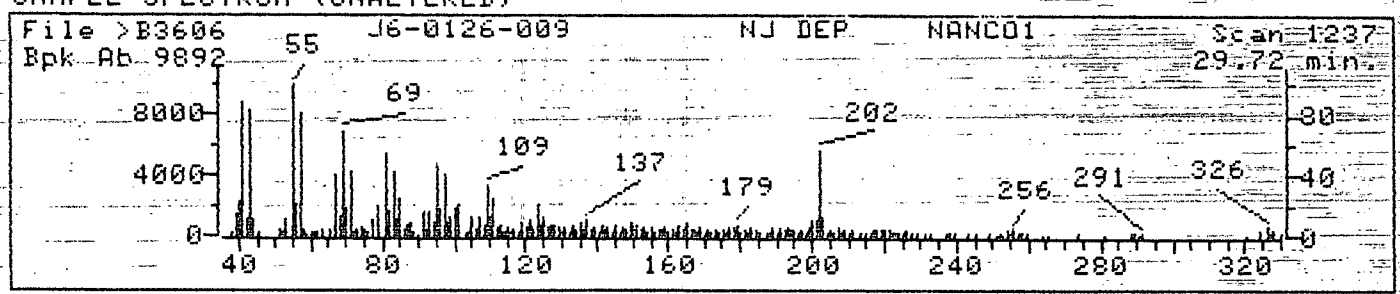
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

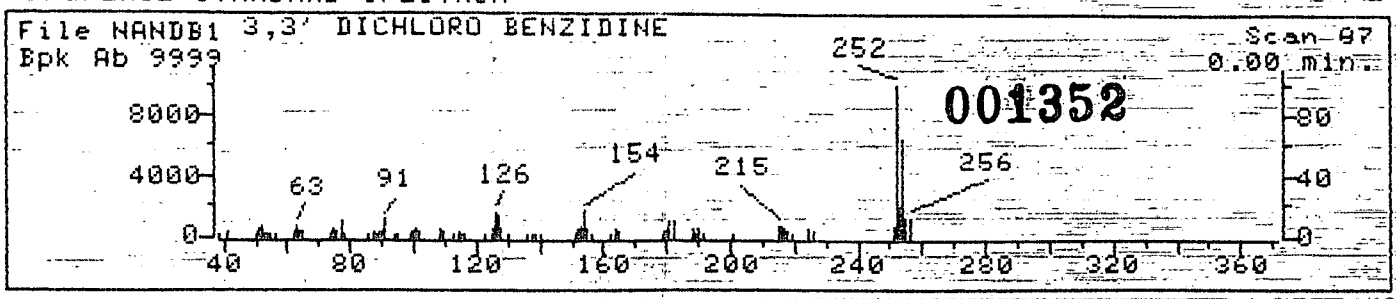


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01
Quant Time: 861003 17:59
Injected at: 861003 17:07

BTL# 8

Compound No: 58
Compound Name: Pyrene
Scan Number: 1237
Retention Time: 29.72 min.
Area: 22517
Concentration: 104.24 UG
q-value: 64

REFERENCE STANDARD SPECTRUM



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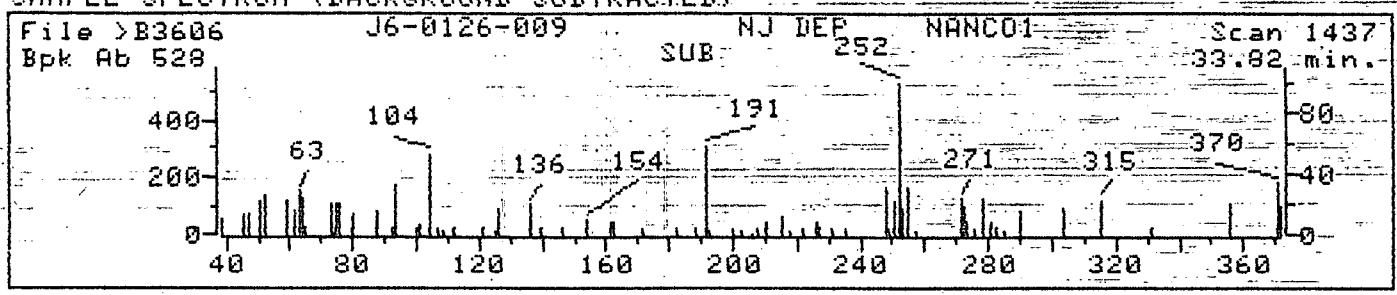

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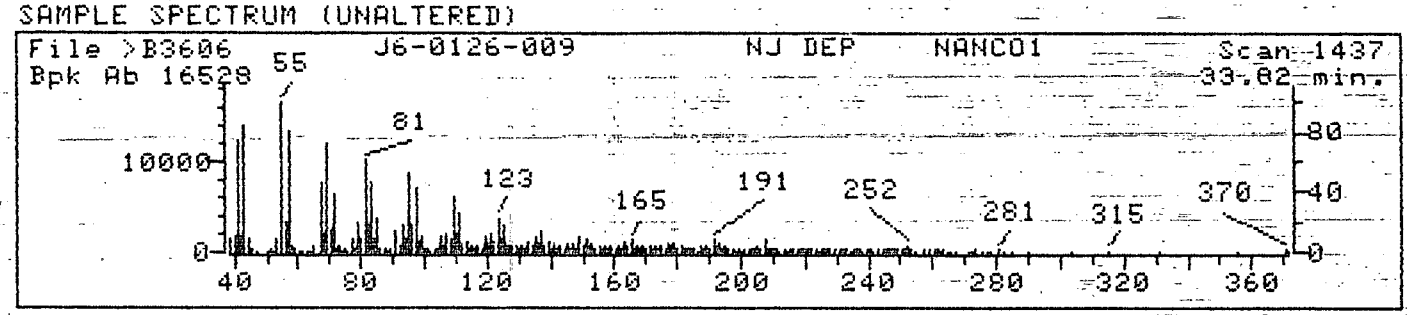
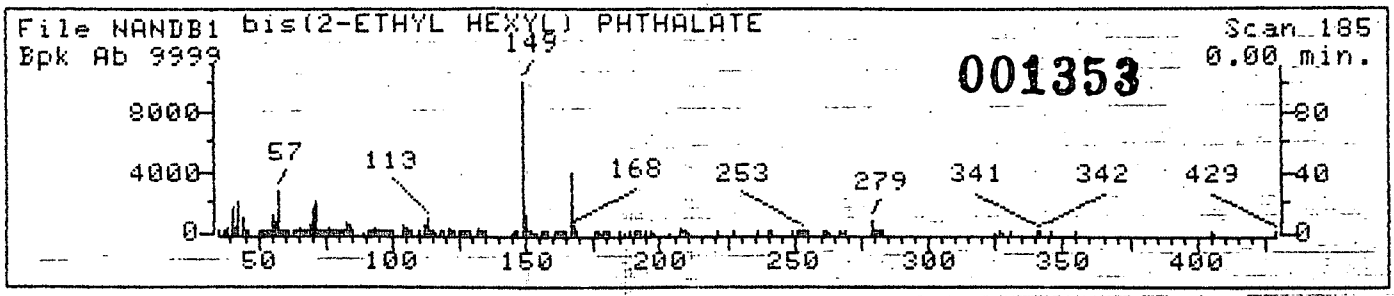


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

BTL# 8

Compound No: 60
Compound Name: 3,3'-Dichlorobenzidine
Scan Number: 1437
Retention Time: 33.82 min.
Area: 2730
Concentration: 682.18 UG
q-value: 56

REFERENCE STANDARD SPECTRUM



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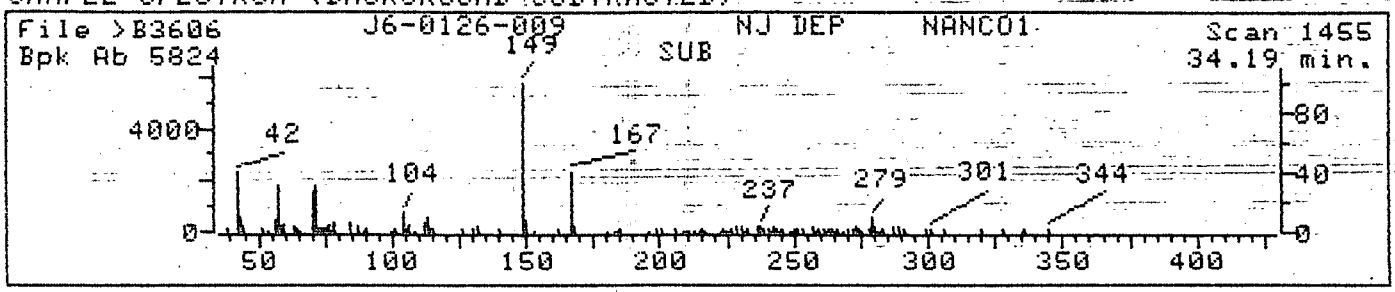

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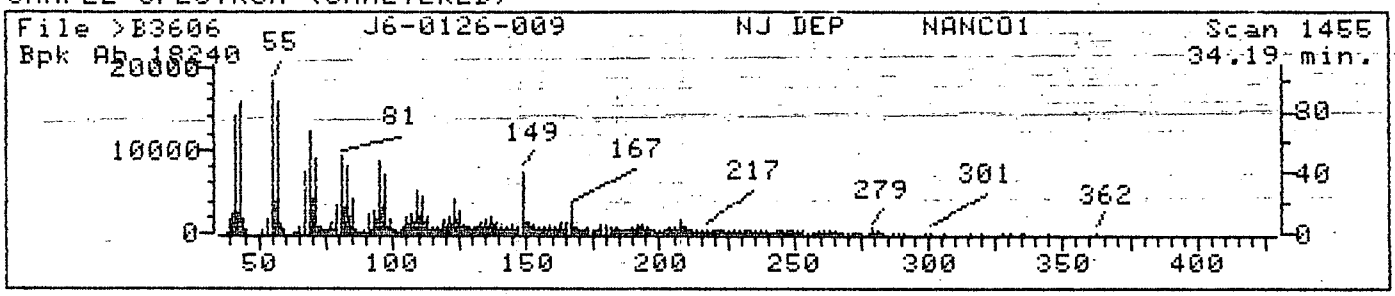
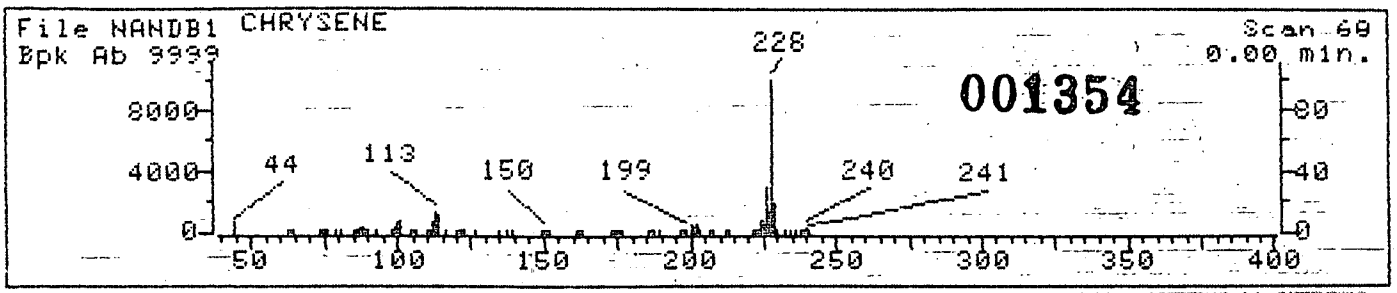


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

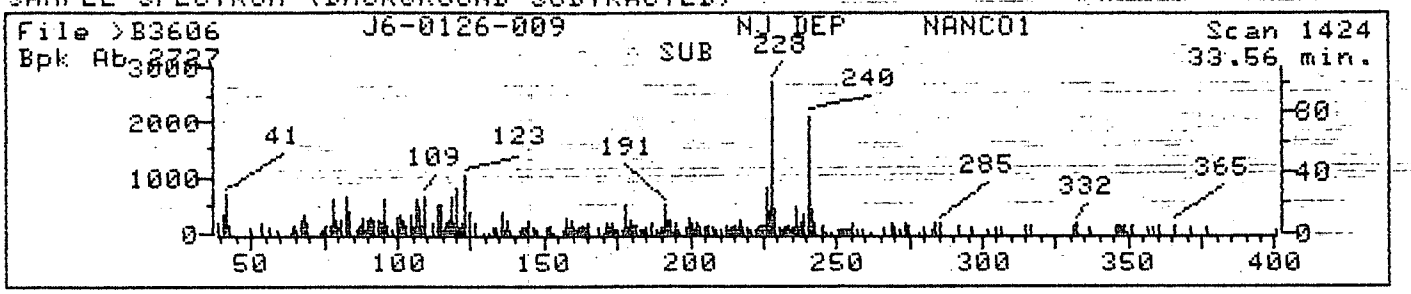
BTL# 8

Compound No: 62
Compound Name: bis(2-Ethylhexyl)Phthalate
Scan Number: 1455
Retention Time: 34.19 min.
Area: 25296
Concentration: 335.21 UG
q-value: 91

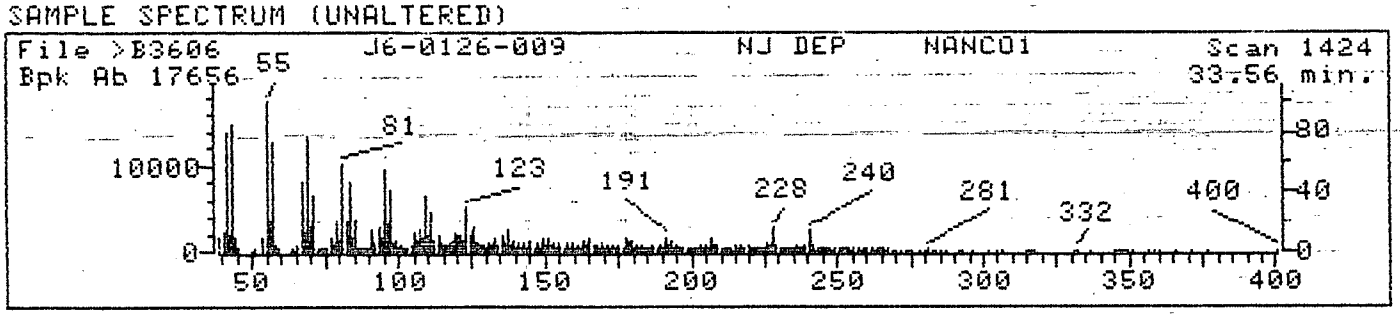
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

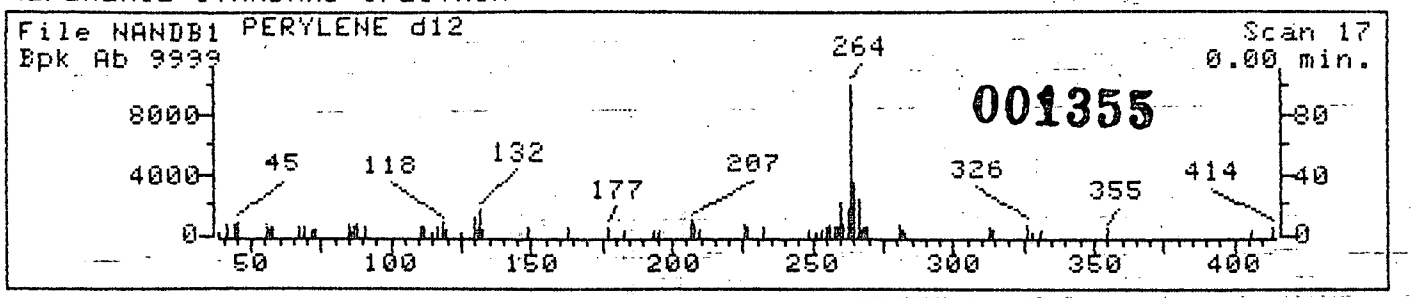


Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1
Quant Time: 861003 17:59
Injected at: 861003 17:07

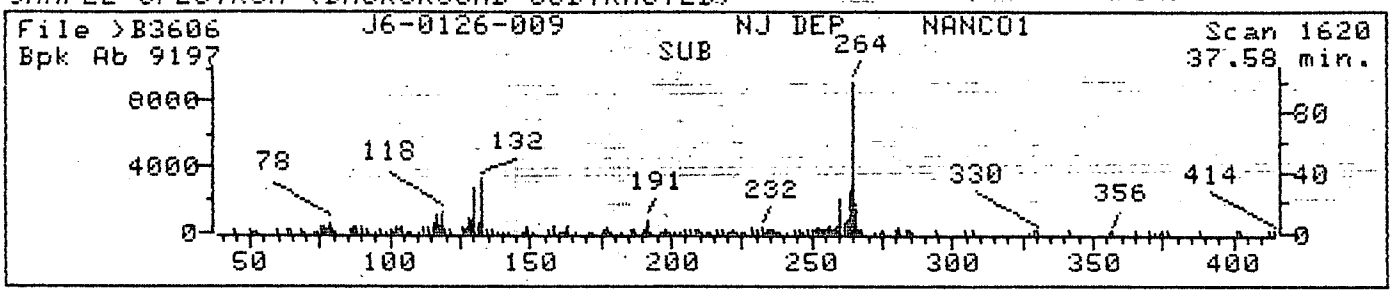
BTL# 8

Compound No: 63
Compound Name: Chrysene
Scan Number: 1424
Retention Time: 33.56 min.
Area: 14704
Concentration: 241.31 UG
q-value: 95

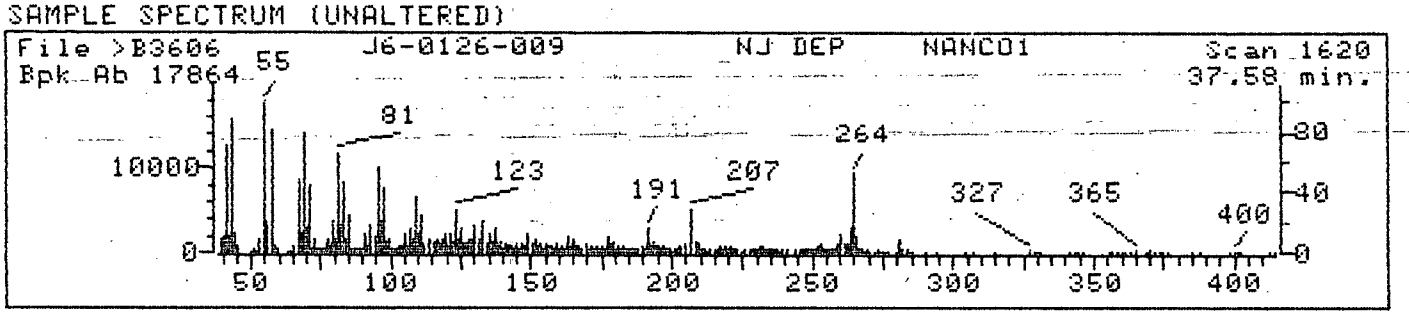
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



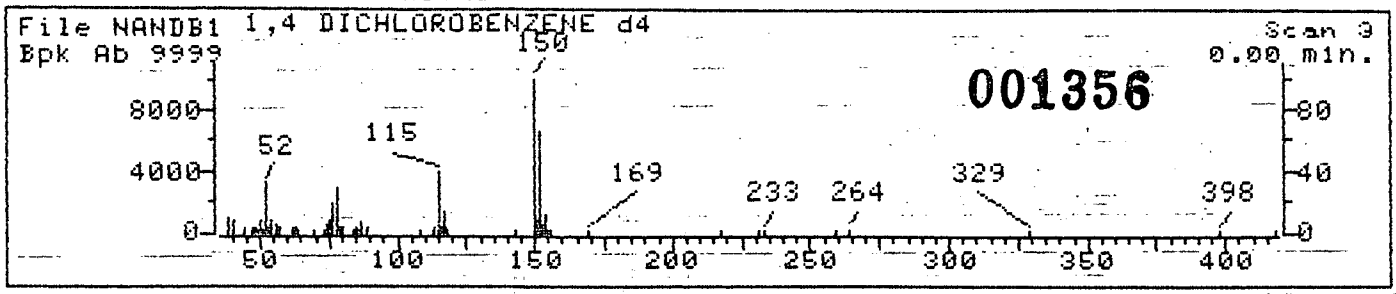
SAMPLE SPECTRUM (UNALTERED)



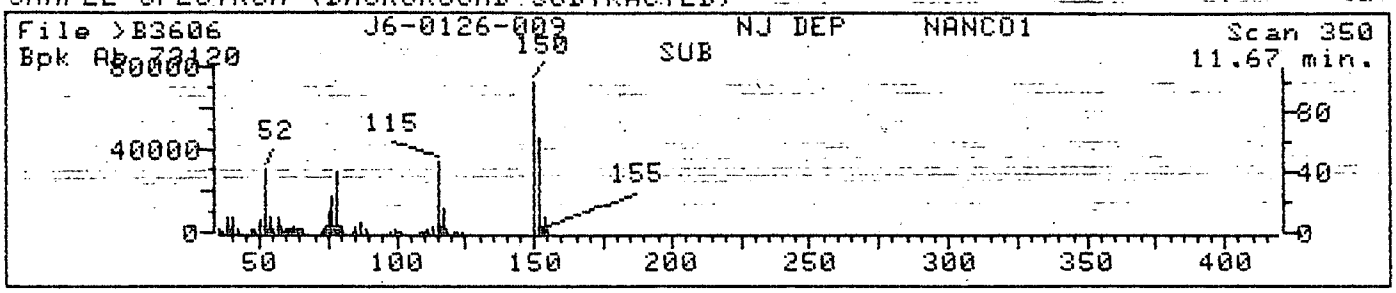
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 64 (ISTD)
Compound Name: PERYLENE-d12
Scan Number: 1620
Retention Time: 37.58 min.
Area: 49090
Concentration: 40.00 UG
q-value: 100

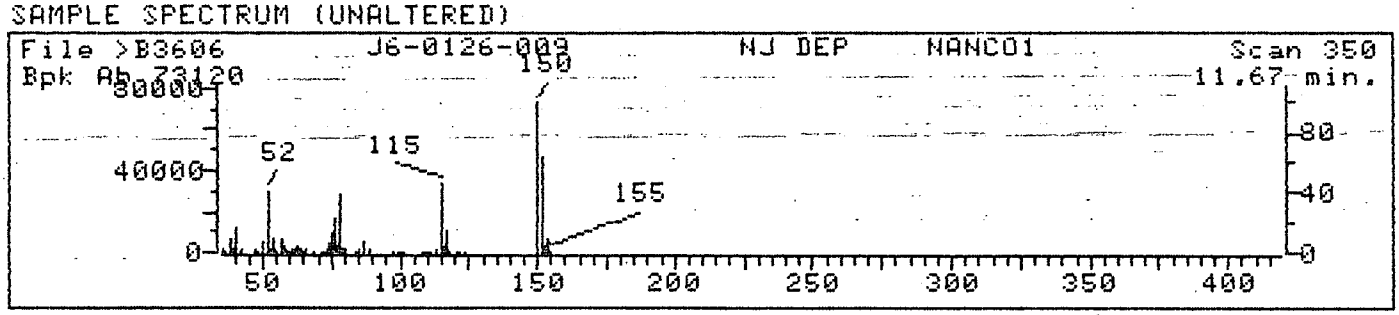
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



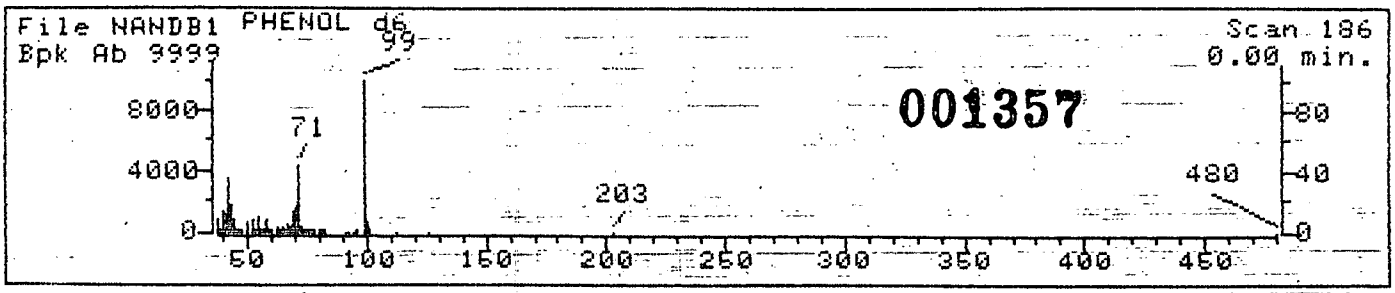
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

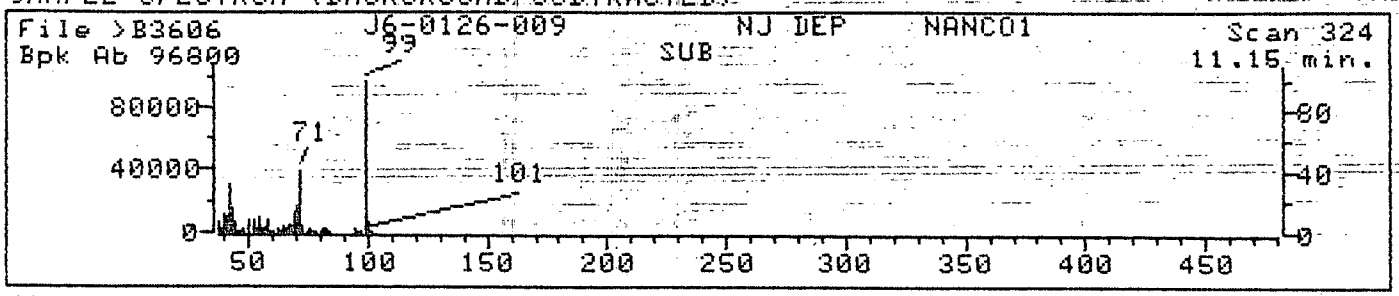
Compound No: 72 (ISTD)
Compound Name: 1,4 Dichlorobenzene(IS)
Scan Number: 350
Retention Time: 11.67 min.
Area: 102291
Concentration: 40.00 UG
q-value: 96

REFERENCE STANDARD SPECTRUM

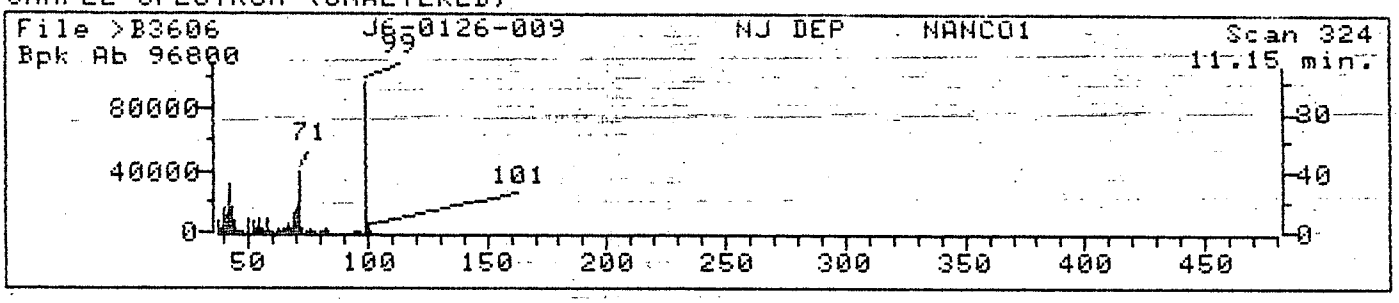


001357

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



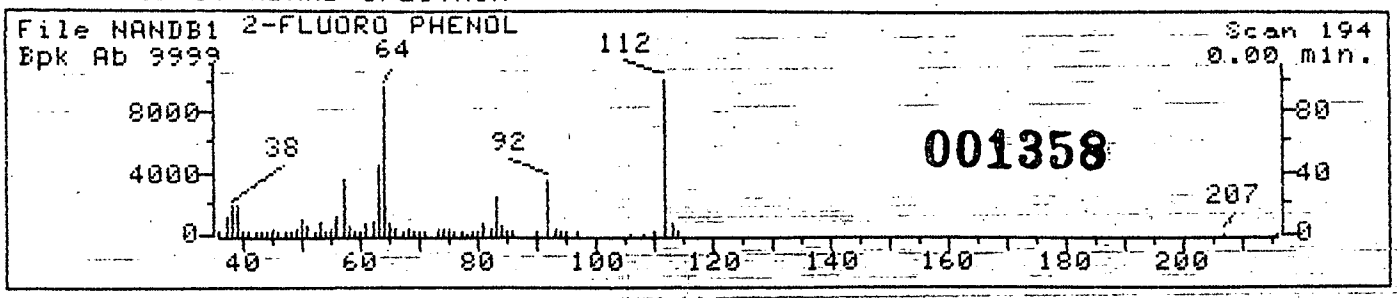
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

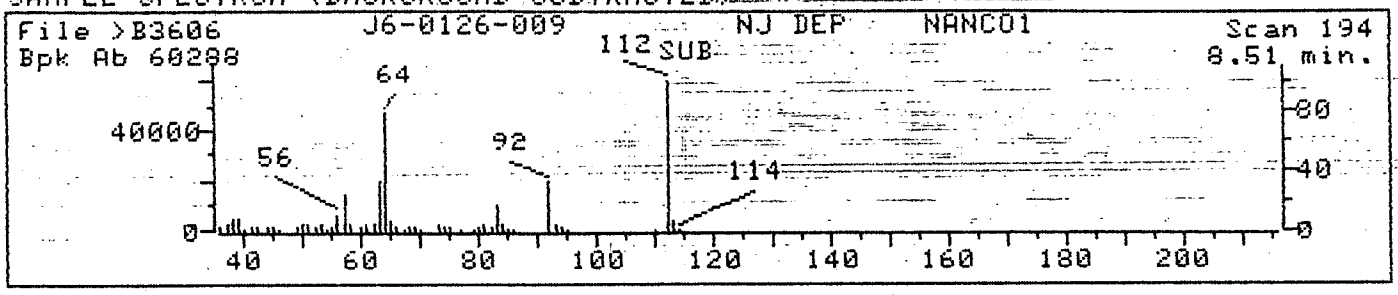
Compound No: 73
Compound Name: Phenol-d5(Surr)
Scan Number: 324
Retention Time: 11.15 min.
Area: 298627
Concentration: 3910.62 UG
q-value: 92

REFERENCE STANDARD SPECTRUM

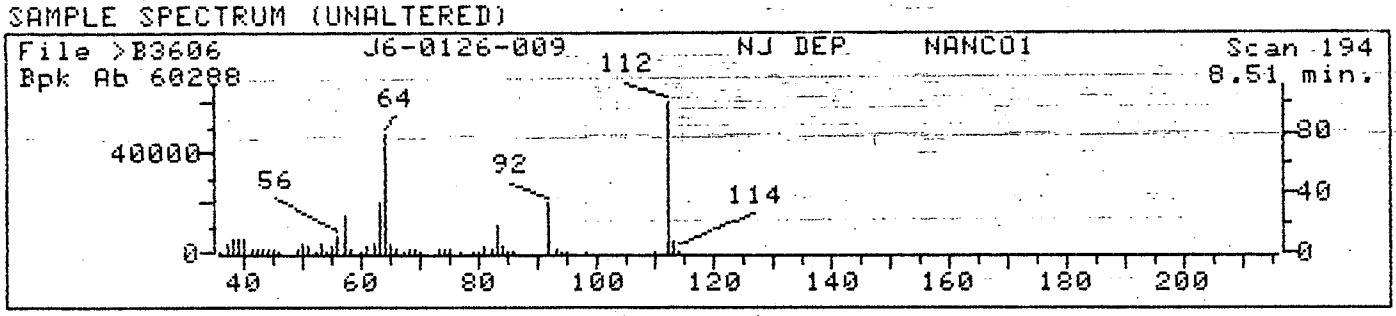


001358

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



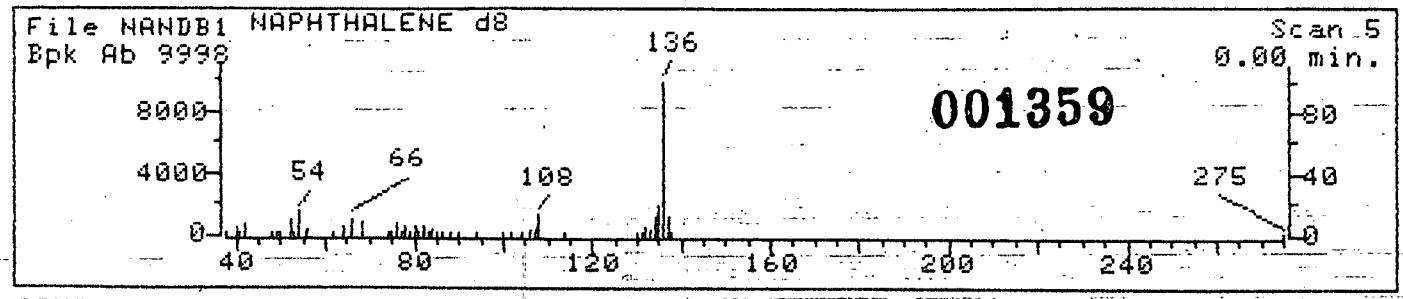
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

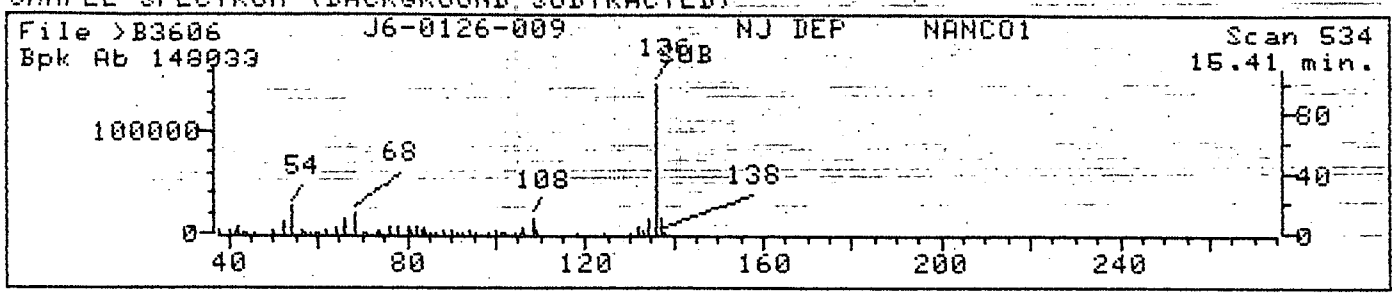
Compound No: 74
Compound Name: 2-Fluorophenol(Surr)
Scan Number: 194
Retention Time: 8.51 min.
Area: 181170
Concentration: 3257.96 UG
q-value: 89

REFERENCE STANDARD SPECTRUM

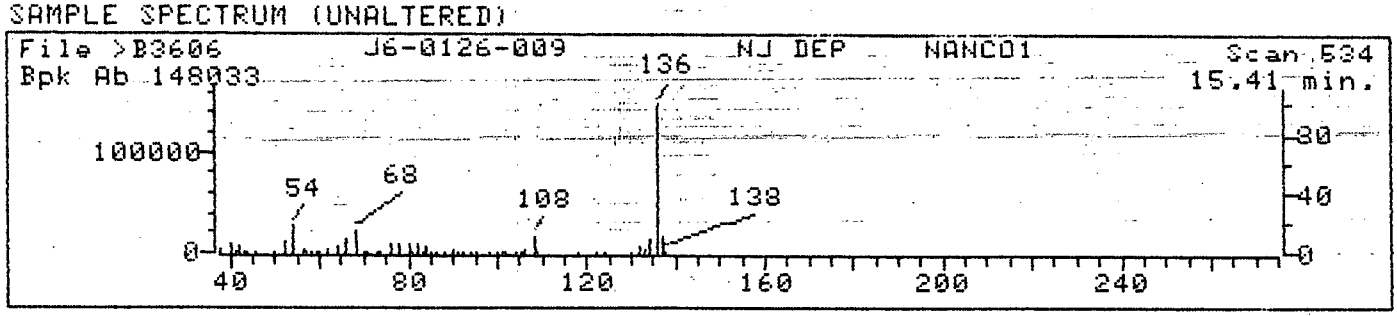


001359

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



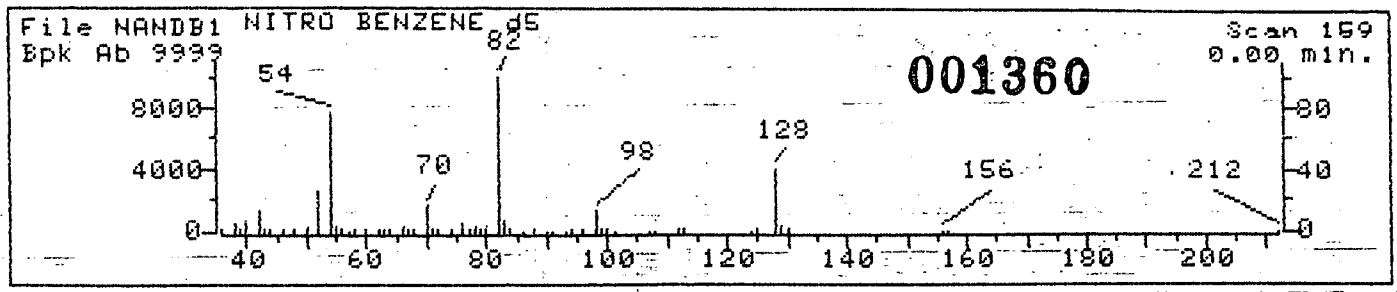
SAMPLE SPECTRUM (UNALTERED)



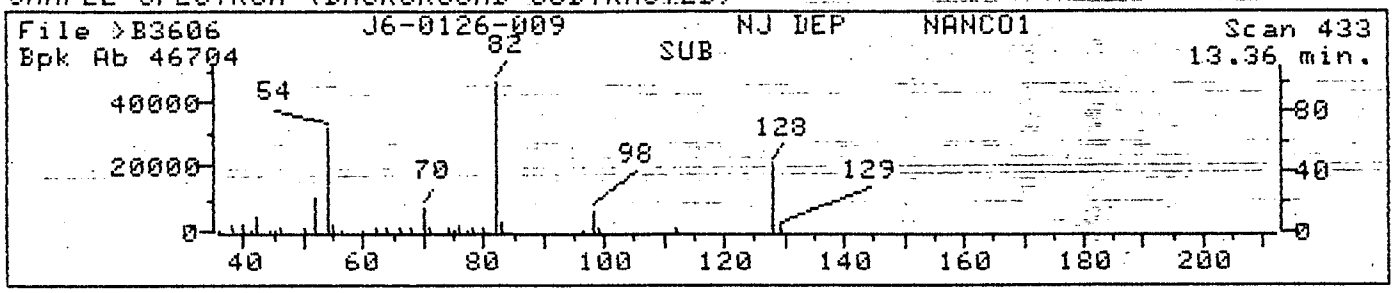
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 75 (ISTD)
Compound Name: Naphthalene-d8 (IS)
Scan Number: 534
Retention Time: 15.41 min.
Area: 426465
Concentration: 40.00 UG
q-value: 85

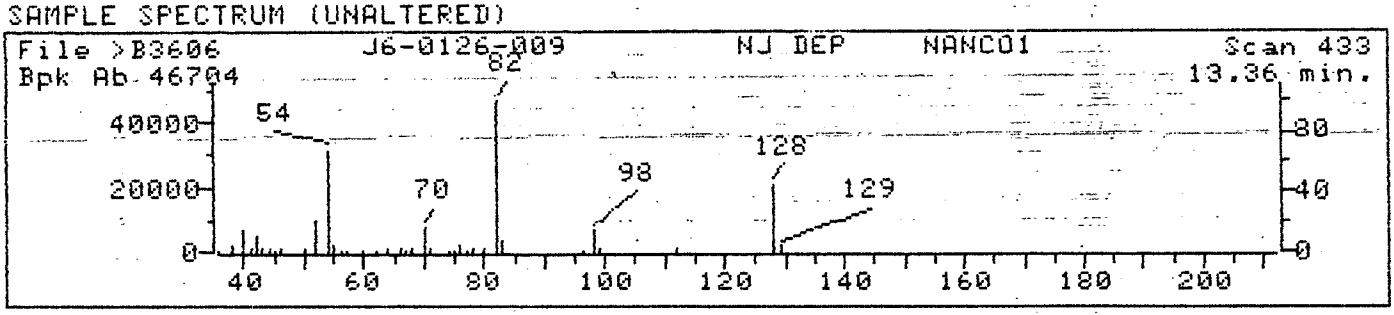
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



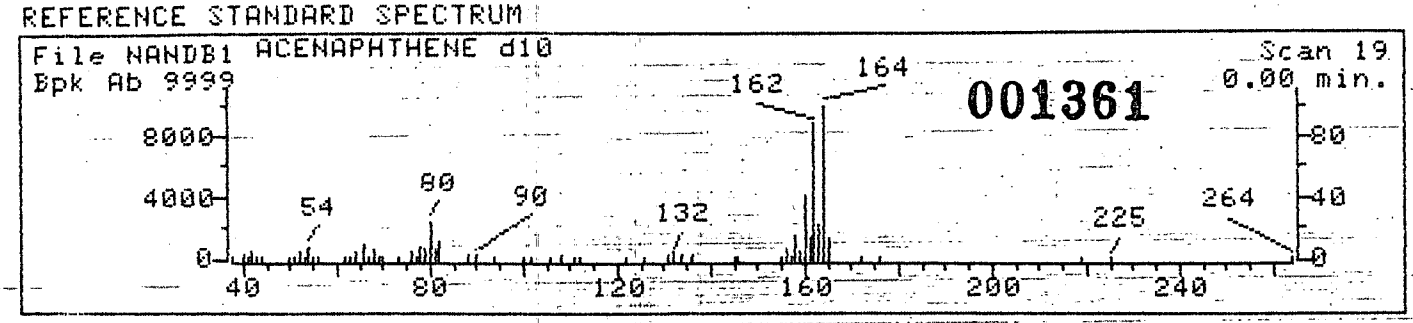
SAMPLE SPECTRUM (UNALTERED)



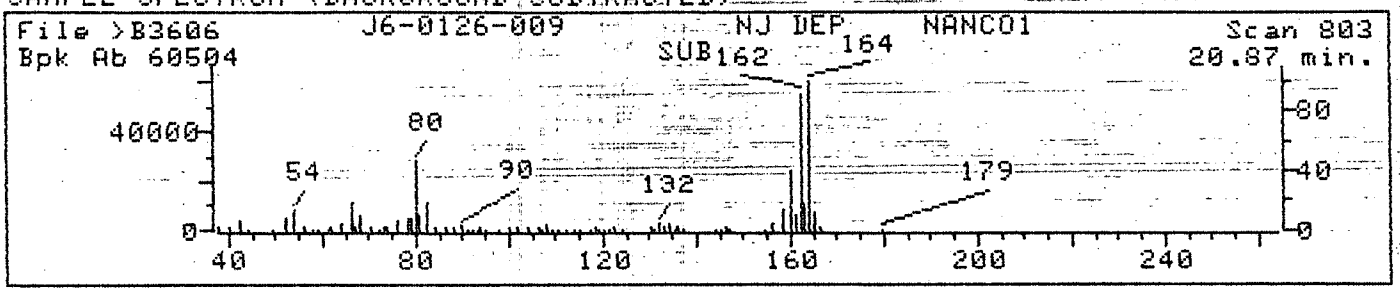
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 76
Compound Name: Nitrobenzene-d5 (Surr)
Scan Number: 433
Retention Time: 13.36 min.
Area: 124719
Concentration: 1954.93 UG
q-value: 90

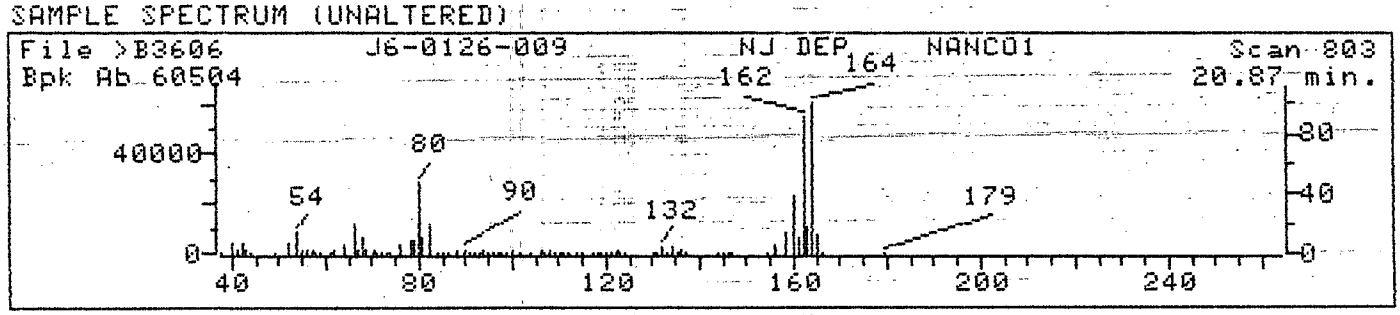
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



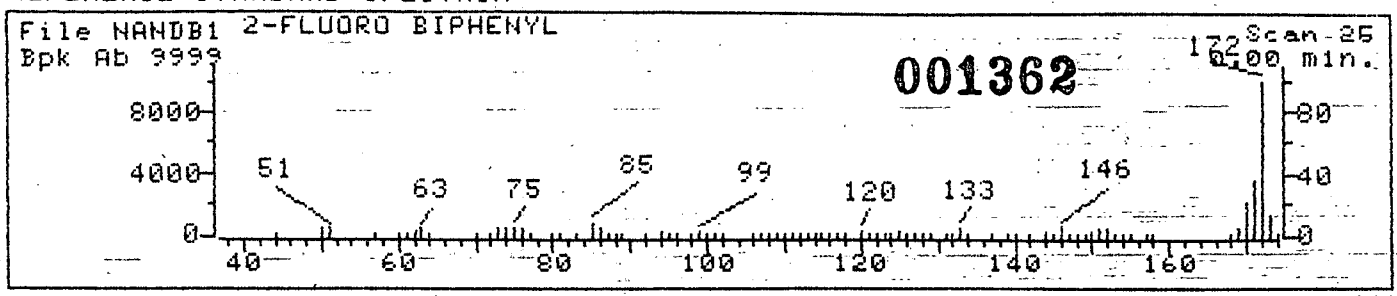
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

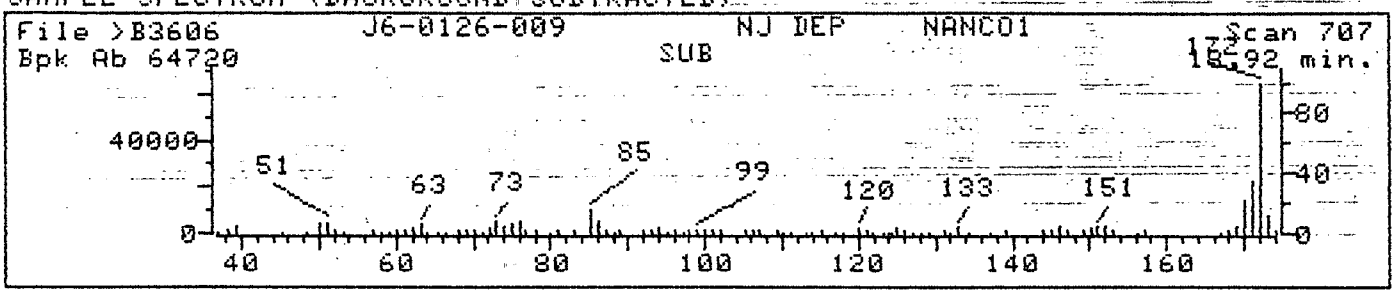
Compound No: 77 (ISTD)
Compound Name: Acenaphthene-d10 (IS)
Scan Number: 803
Retention Time: 20.87 min.
Area: 191981
Concentration: 40.00 UG
q-value: 98

REFERENCE STANDARD SPECTRUM

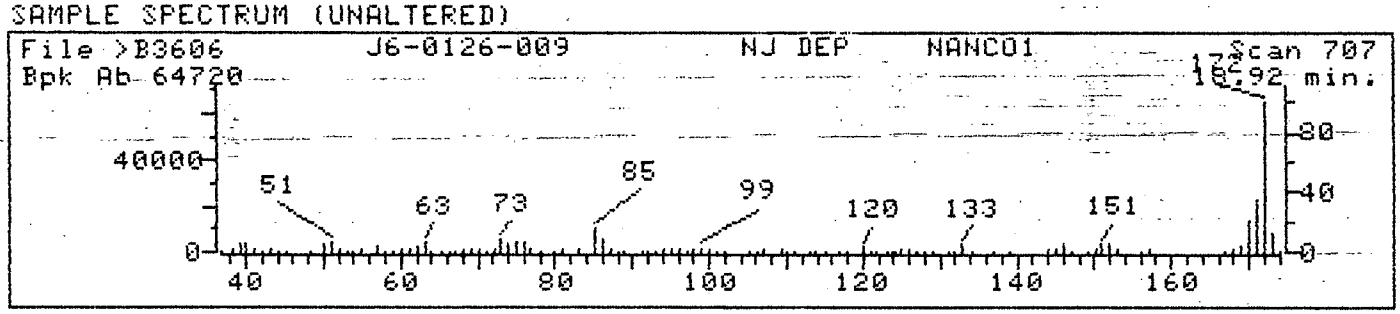


001362

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



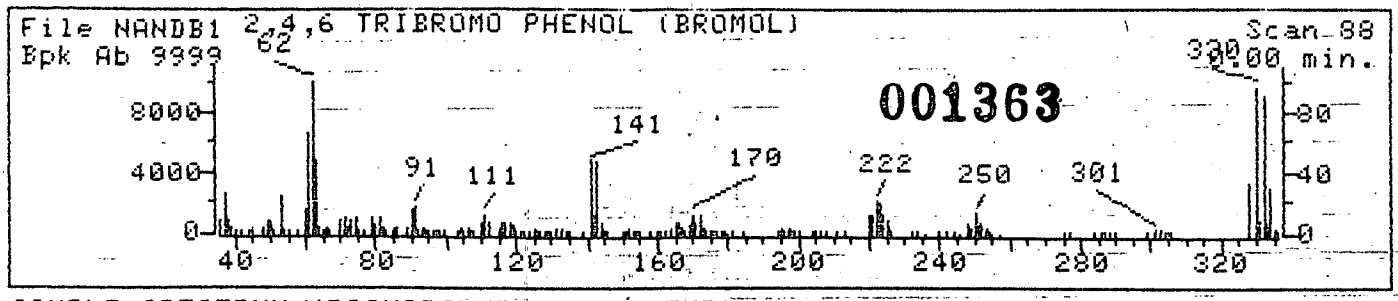
SAMPLE SPECTRUM (UNALTERED)



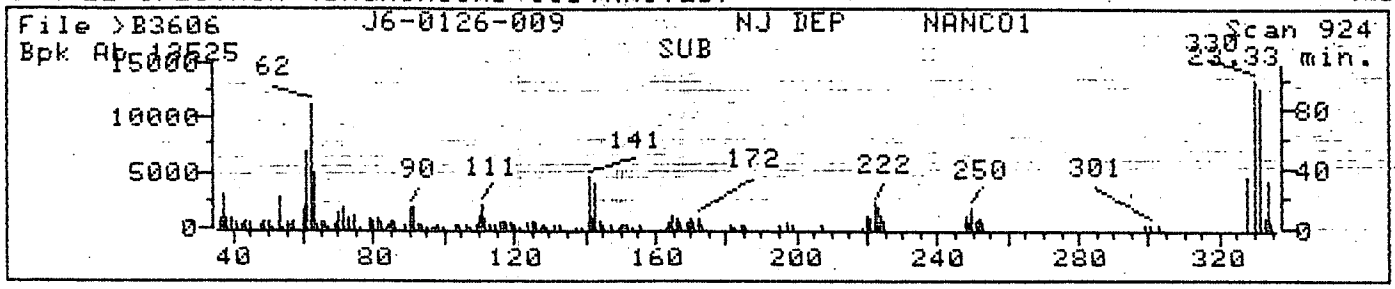
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANC01 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 78
Compound Name: 2-Fluorobiphenyl (Surr)
Scan Number: 707
Retention Time: 18.92 min.
Area: 195486
Concentration: 1947.92 UG
q-value: 98

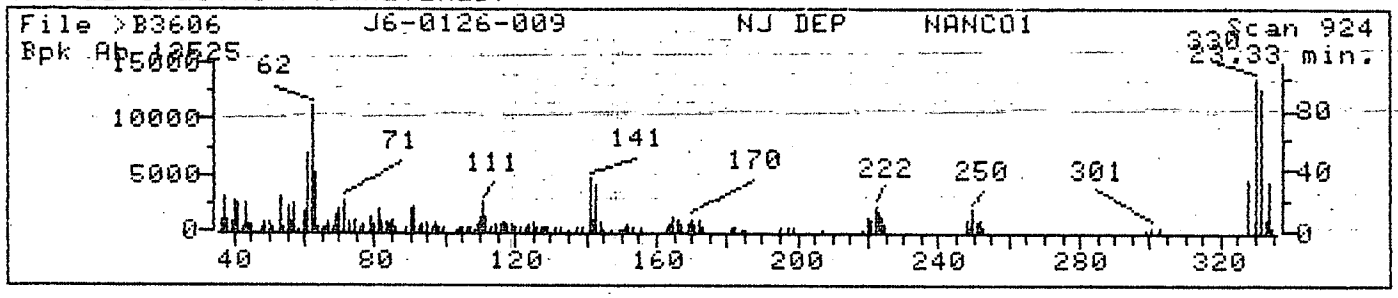
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



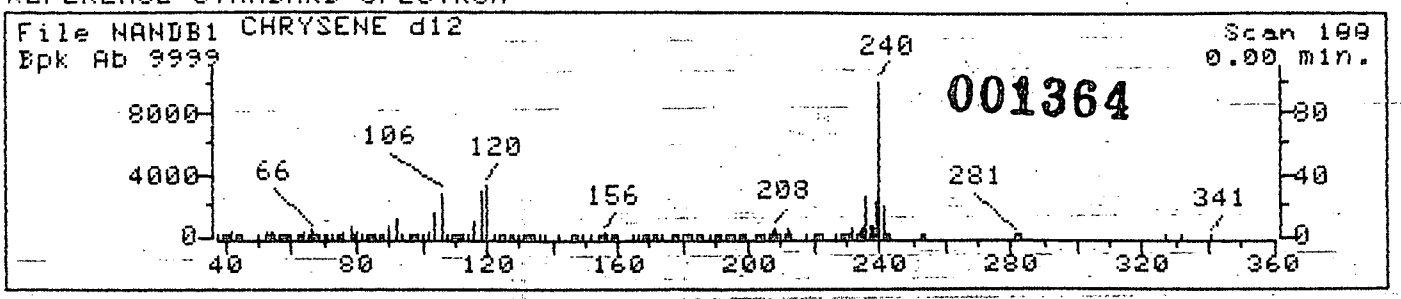
SAMPLE SPECTRUM (UNALTERED)



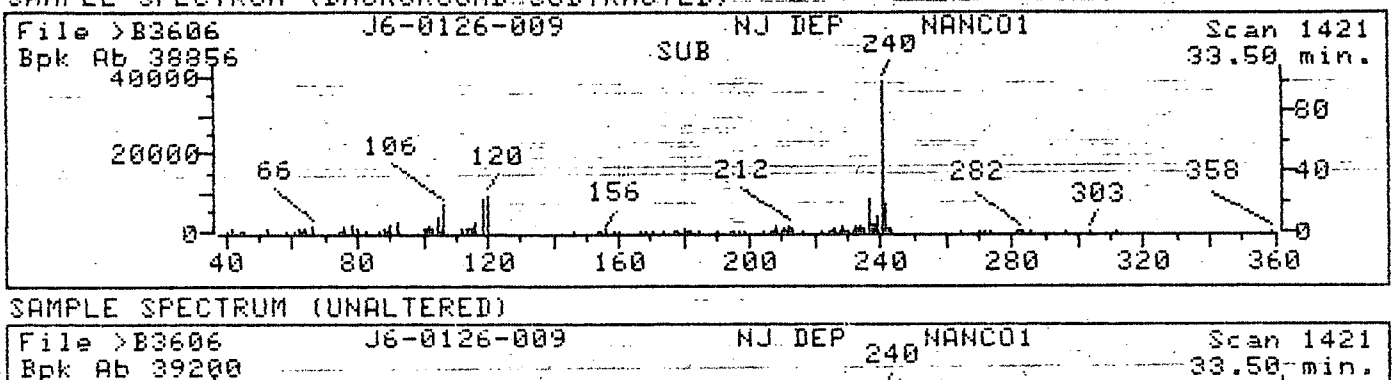
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 79
Compound Name: 2,4,6-Tribromophenol(Surr)
Scan Number: 924
Retention Time: 23.33 min.
Area: 52264
Concentration: 3632.98 UG
q-value: 95

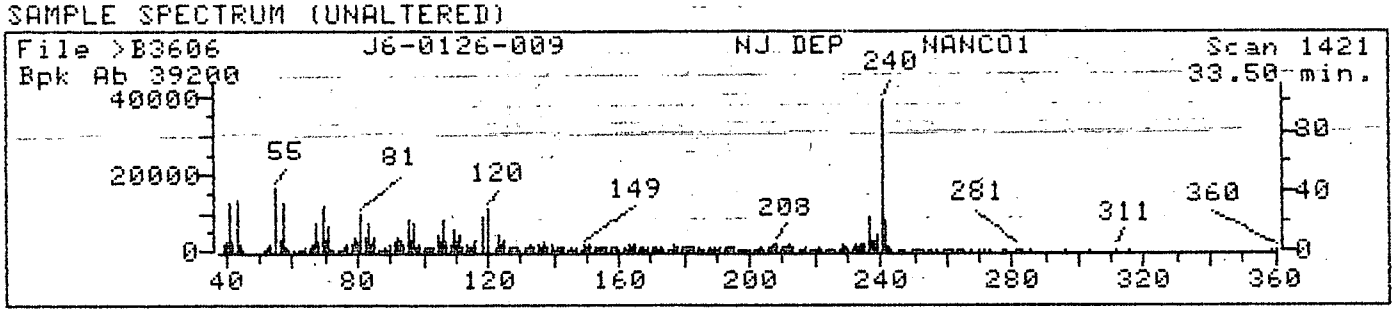
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



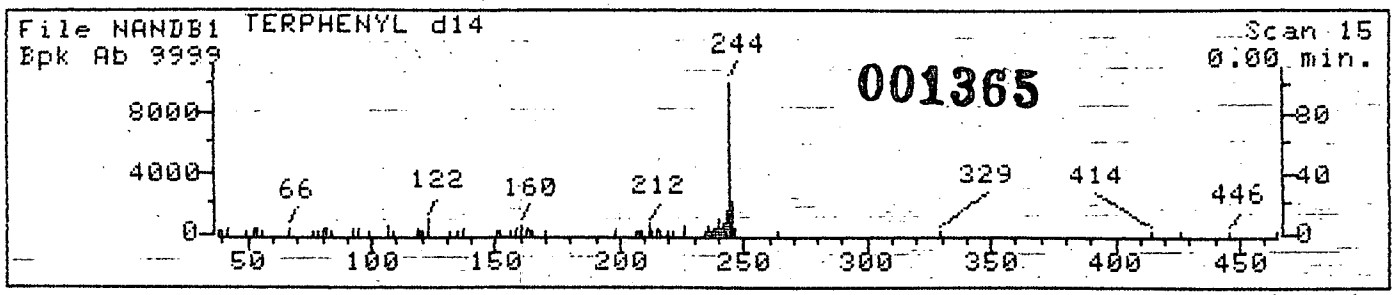
SAMPLE SPECTRUM (UNALTERED)



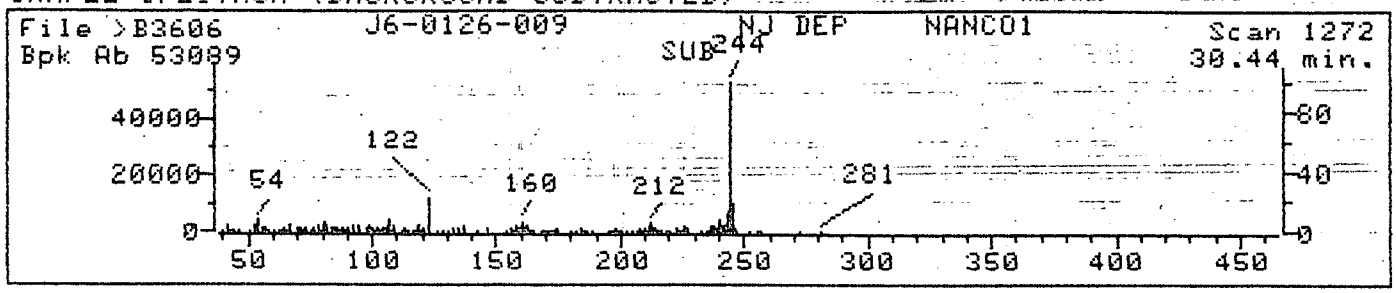
Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 80 (ISTD)
Compound Name: Chrysene-d12 (IS)
Scan Number: 1421
Retention Time: 33.50 min.
Area: 197550
Concentration: 40.00 UG
q-value: 100

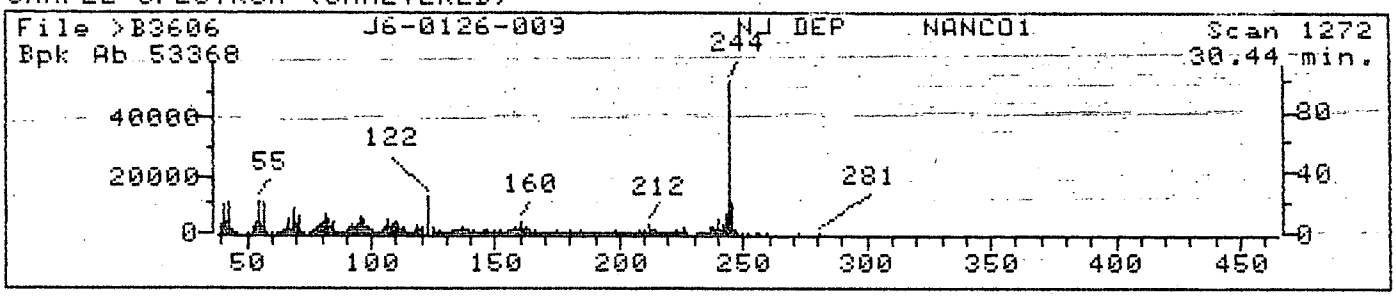
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >B3606::D3
Name: J6-0126-009
Misc: NJ DEP NANCO1 BTL# 8
Quant Time: 861003 17:59
Injected at: 861003 17:07

Compound No: 81
Compound Name: Terphenyl-d14 (Surr)
Scan Number: 1272
Retention Time: 30.44 min.
Area: 236008
Concentration: 2156.24 UG
q-value: 98

MS data file header from : >B3606

Sample: J6-0126-009 Operator: GUPTILL MS 10/03/86 17:07
Misc : NJ DEP NANC01 BTL# 8
Sys. #: 1 MS model: 96 SW/HW rev.: IA ALS #: 0
Method file: METH01 Tuning file: MT7986 No. of extra records: 1
Source temp.: 200 Analyzer temp.: 220 Transfer line temp. : 280

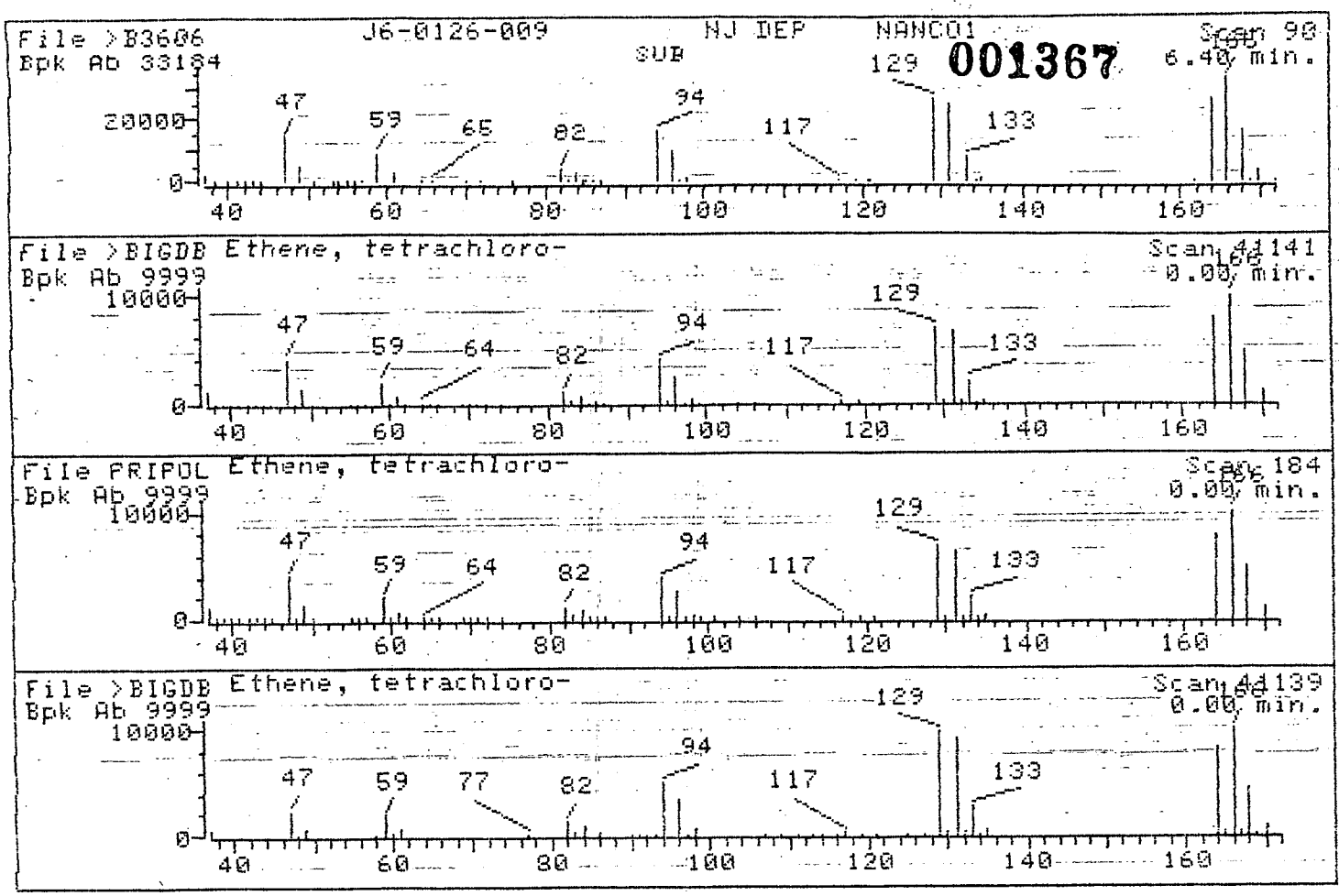
Chromatographic temperatures : 30. 310. 0. 0. 0.
Chromatographic times, min. : 4.0 10.0 0.0 0.0 0.0
Chromatographic rate, deg/min : 8.0 0.0 0.0 0.0 0.0

>B3606 J6-0126-009 NJ DEP NANC01 **001366**
35.01 500.0 TIC

	Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max	% of total
	1	6.398	88	90	97	209336	691746	570807	6.81	2.235
	2	6.906	112	115	122	255902	672677	535428	6.39	2.096
	3	7.109	122	125	127	429883	972139	896025	10.70	3.508
	4	7.576	142	148	151	1669640	8482760	8376434	100.00	32.796
	5	7.637	151	151	158	62949	383730	279320	3.33	1.094
	6	8.124	173	175	182	347644	994934	827636	9.88	3.240
SR	7	8.530	192	195	203	274942	890081	772885	9.23	3.026
	8	10.883	308	311	314	168298	478063	391571	4.67	1.533
SR	9	11.147	321	324	330	317448	1002319	913532	10.91	3.577
IS	10	11.675	347	350	353	337209	811226	743001	8.87	2.909
	11	12.000	363	366	369	95350	368861	305654	3.65	1.197
	12	12.670	396	399	406	40433	327538	235869	2.82	.923
SR	13	13.360	430	433	436	147227	458173	387676	4.63	1.518
IS	14	15.410	528	534	537	355535	1204680	1115934	13.32	4.369
SR	15	18.922	701	707	710	222127	858129	715228	8.54	2.800
IS	16	20.873	794	803	806	297419	1243294	966220	11.53	3.783
	17	22.683	887	892	896	40662	481210	190177	2.27	.745
SR	18	23.354	915	925	927	145704	1056197	643217	7.68	2.518
	19	24.149	957	964	966	52907	604943	206017	2.46	.807
	20	24.250	966	969	971	72915	487358	224884	2.68	.880
IS	21	25.351	1015	1023	1026	254399	1800679	1024054	12.23	4.009
	22	26.820	1090	1095	1100	61032	1374440	369757	4.41	1.448
	23	27.617	1129	1134	1139	35899	1346062	206104	2.46	.807
SR	24	30.461	1268	1273	1276	179383	2571551	839313	10.02	3.286
	25	31.794	1329	1338	1341	48717	3411746	426660	5.09	1.670
	26	33.291	1406	1411	1415	41253	3167121	284693	3.40	1.115
IS	27	33.496	1417	1421	1424	91562	2947279	432273	5.16	1.692
	28	33.886	1437	1440	1443	65451	2298531	297939	3.56	1.167
	29	34.338	1459	1462	1464	53493	2110622	250550	2.99	.981
	30	34.646	1473	1477	1480	90957	2824954	458524	5.47	1.795
	31	35.057	1493	1497	1498	55135	2054048	256050	3.06	1.003
	32	36.372	1559	1561	1566	65359	2895609	281517	3.36	1.102
	33	36.824	1579	1583	1586	106384	3425942	428888	5.12	1.679
	34	38.036	1635	1642	1645	106341	4592767	687206	8.20	2.691

Sum of corrected areas: 25541048.

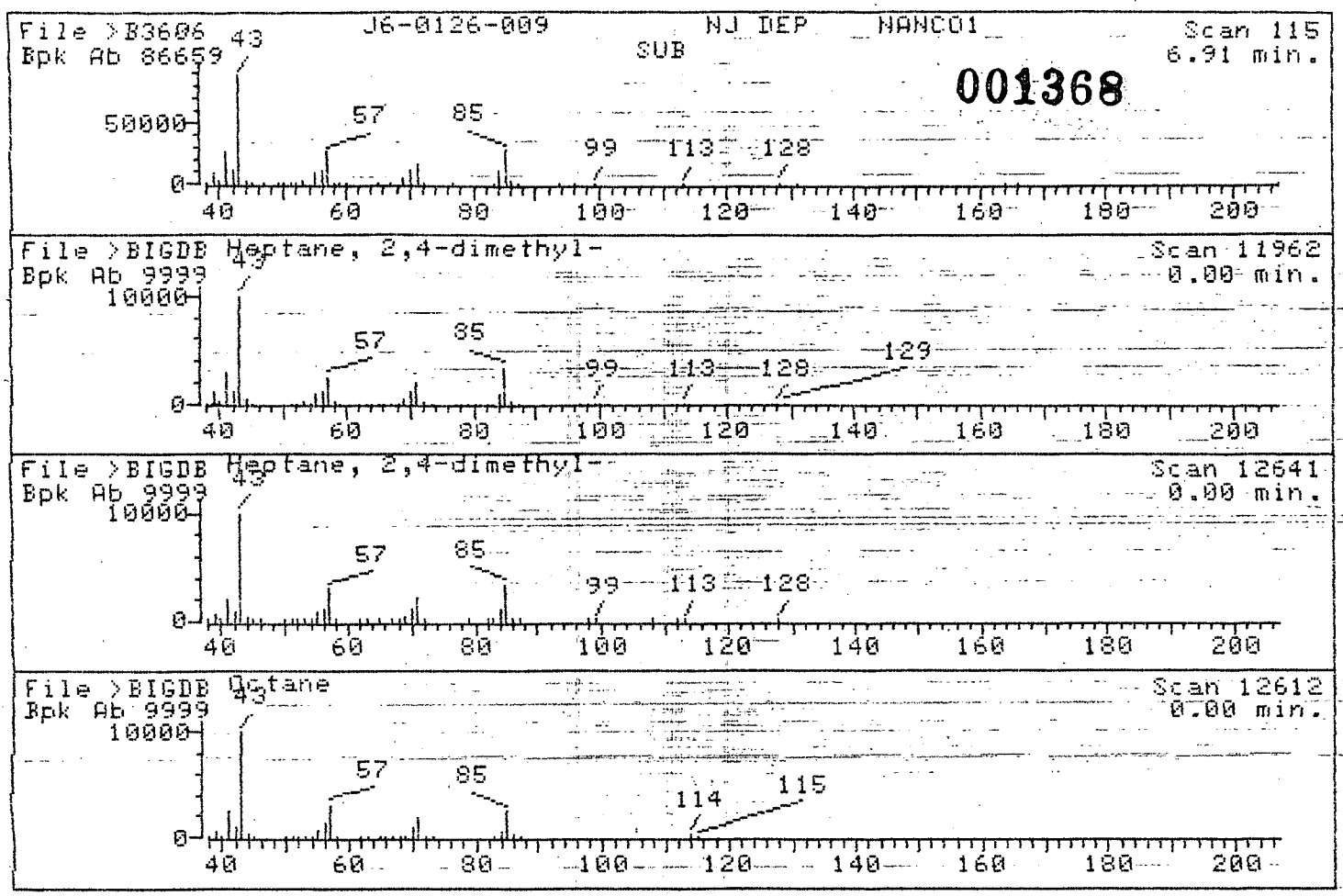
IS 35) 37.58 1620



1. Ethene, tetrachloro- 164 C2Cl4
2. Ethene, tetrachloro- 164 C2Cl4
3. Ethene, tetrachloro- 164 C2Cl4
4. Ethene, tetrachloro- 164 C2Cl4
5. Ethene, tetrachloro- 164 C2Cl4

Sample file: >B3606 Spectrum #: 90
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	127184	41141	"BIGDB	115	28	2	0	92	0	72	93
2.	95*	184	283	PRIPOL	115	28	2	0	92	0	72	93
3.	93*	127184	41139	"BIGDB	92	39	1	0	72	6	68	92
4.	93*	182	281	PRIPOL	92	39	1	0	72	6	68	92
5.	83*	181	280	PRIPOL	72	50	1	0	90	13	51	71

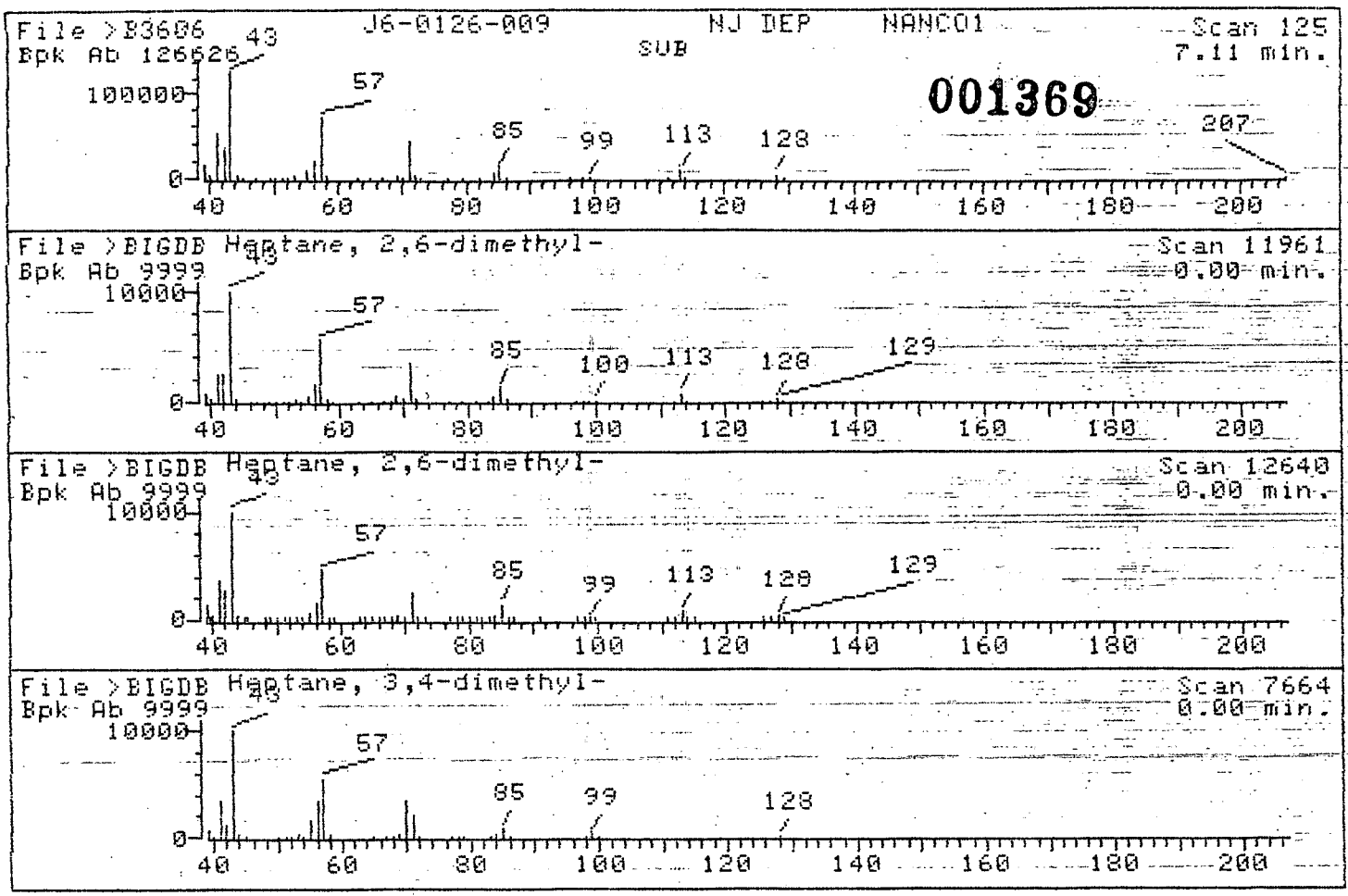


ALKANE

1. Heptane, 2,4-dimethyl-	128	C9H20
2. Heptane, 2,4-dimethyl-	128	C9H20
3. Octane	114	C8H18
4. Octane, 4-methyl-	128	C9H20
5. Octane	114	C8H18

Sample file: >B3606 Spectrum #: 115
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	2213232	11962	"BIGDB	82	10	0	0	92	0	72	96
2.	96*	2213232	12641	"BIGDB	76	11	0	0	85	0	72	96
3.	86	111659	12612	"BIGDB	64	25	1	0	89	5	60	30
4.	84*	2216344	12645	"BIGDB	49	36	0	0	83	10	55	60
5.	83	111659	11907	"BIGDB	58	35	1	0	69	4	57	25

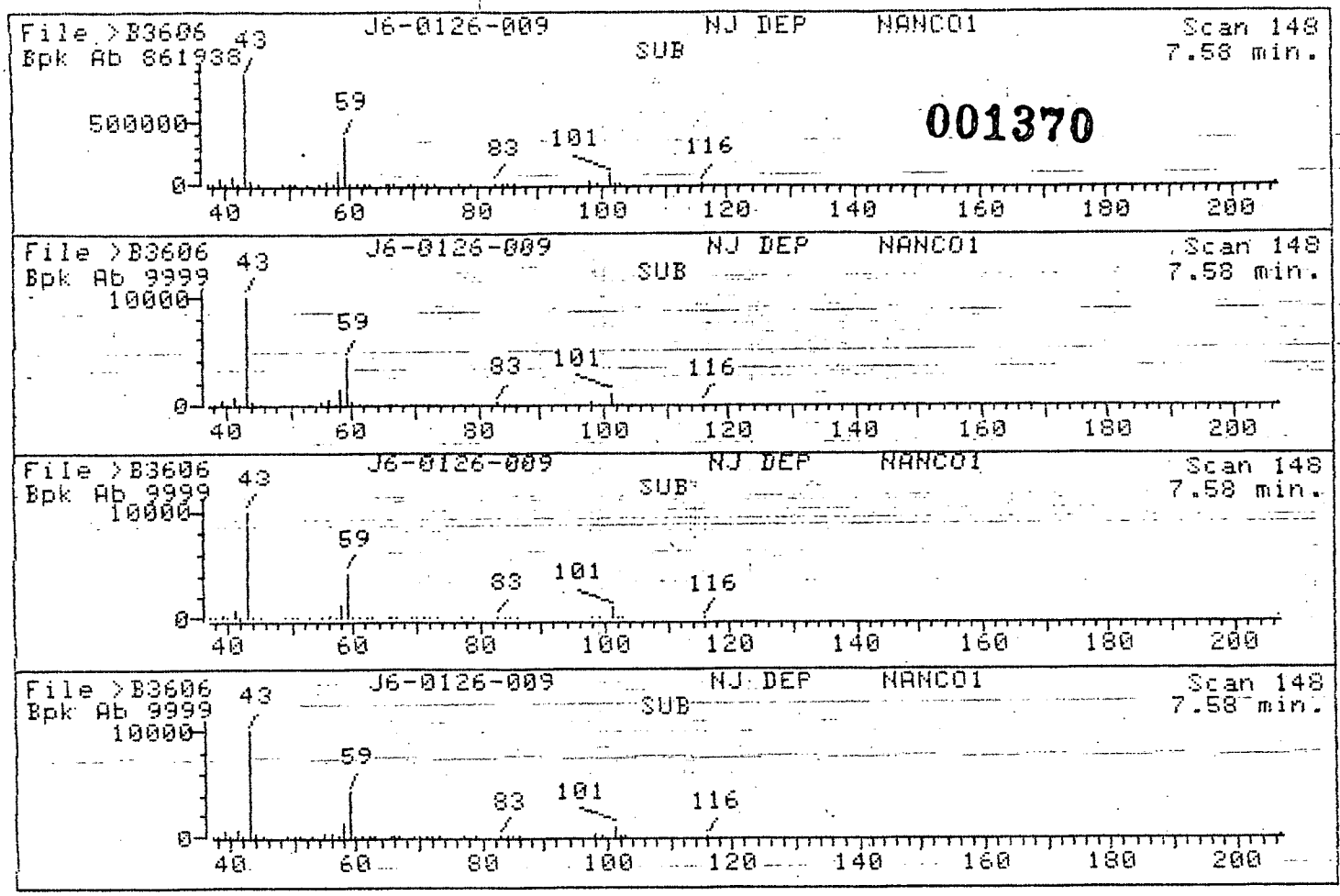


ALKANE

1. Heptane, 2,6-dimethyl-	128	C9H20
2. Heptane, 2,6-dimethyl-	128	C9H20
3. Heptane, 3,4-dimethyl-	128	C9H20
4. Nonane	128	C9H20
5. Octane, 4-methyl-	128	C9H20

Sample file: >B3606 Spectrum #: 125
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	1072055	11961	"BIGDB	79	11	1	0	83	0	72	94
2.	83*	1072055	12640	"BIGDB	62	30	0	0	70	15	51	74
3.	70*	922281	7664	"BIGDB	31	57	3	0	100	8	42	13
4.	60*	111842	12647	"BIGDB	23	69	3	0	79	14	30	12
5.	42*	2216344	11966	"BIGDB	31	60	3	0	100	24	17	13



001370

UK.

Sample file: >B3606 Spectrum #: 148

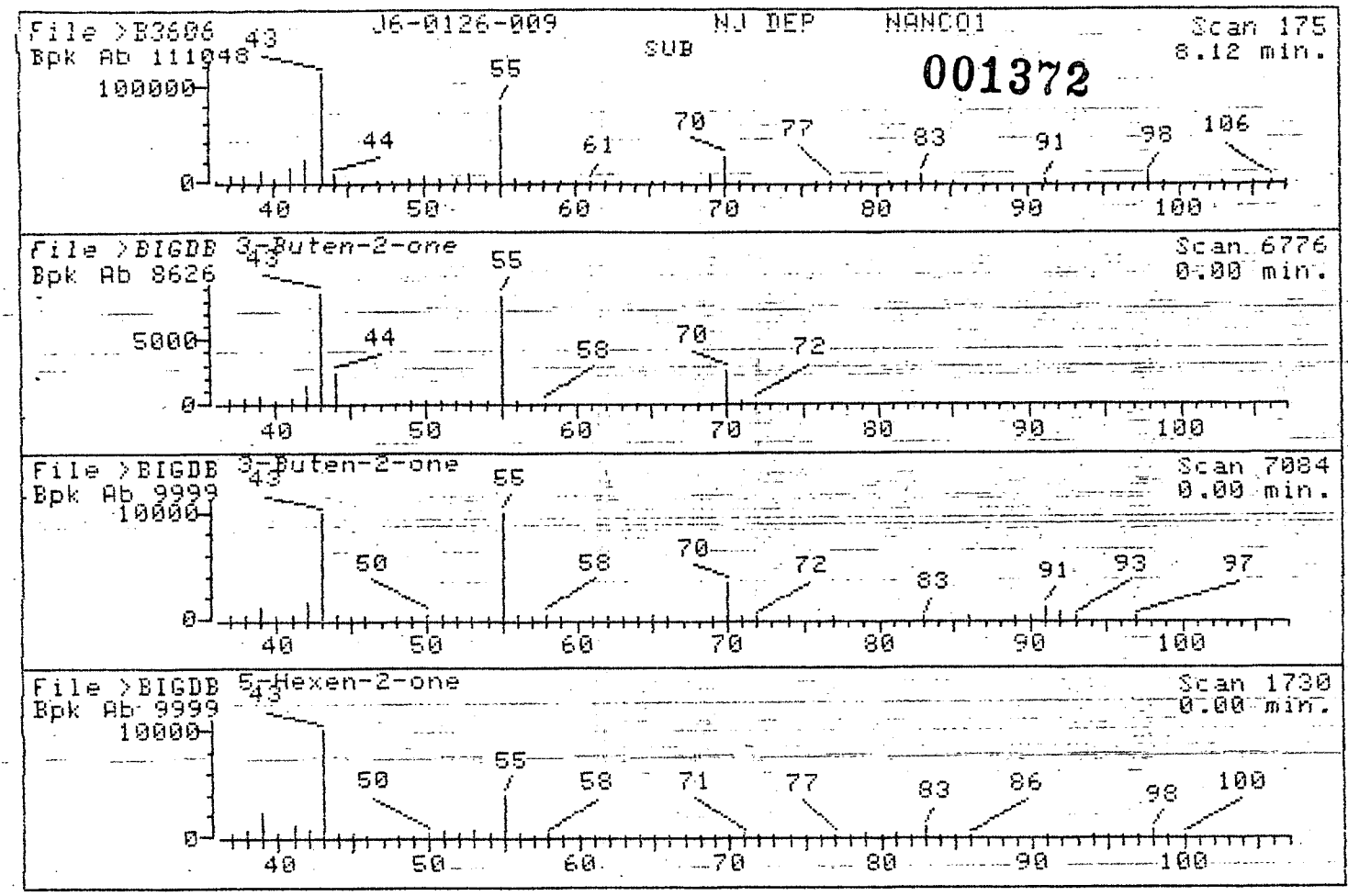
No data base entries were retrieved.

001371

U.K.

Sample file: >B3606 Spectrum #: 151

No data base entries were retrieved.

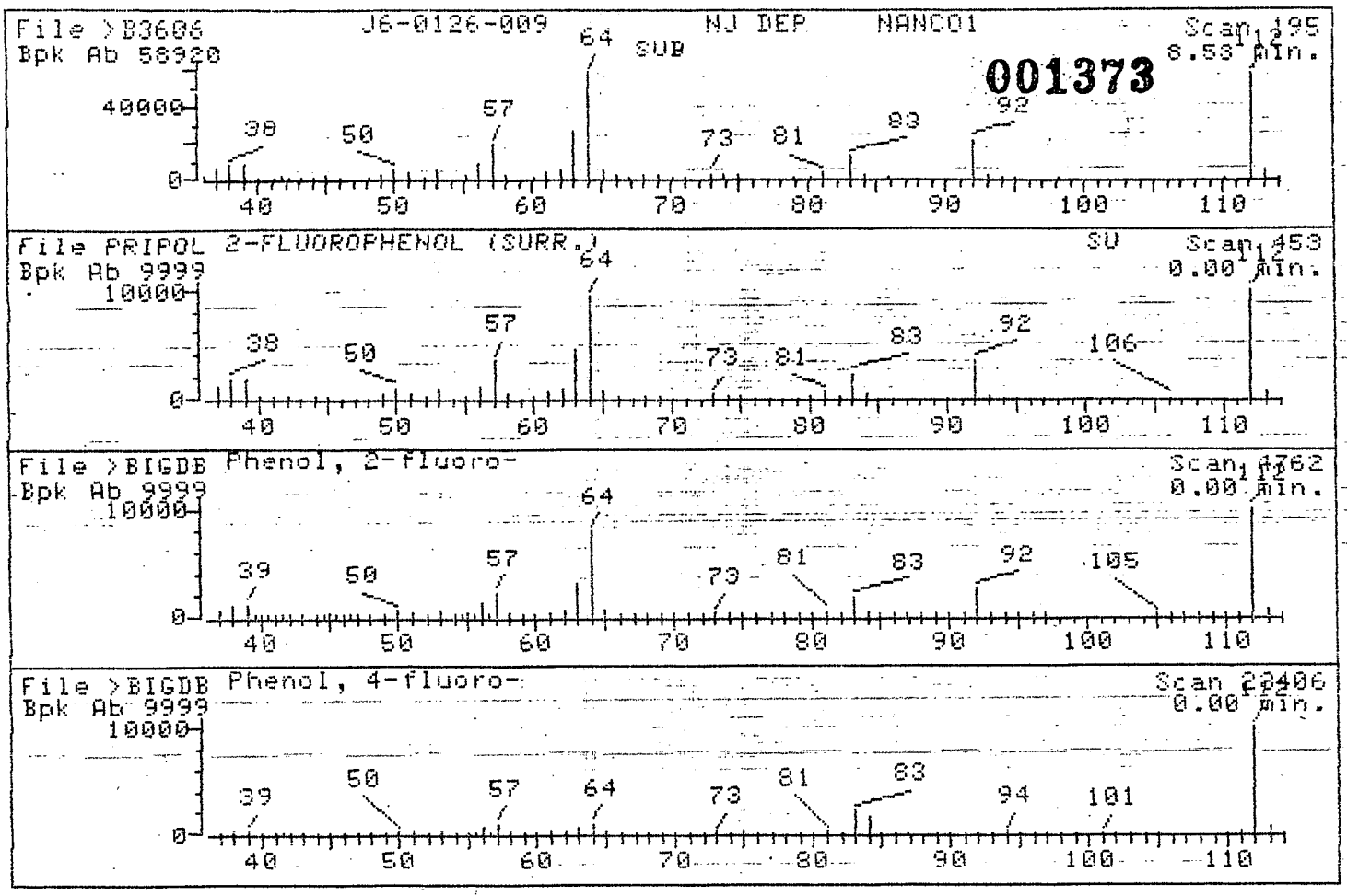


KETONE

1.	3-Buten-2-one	70	C4H6O
2.	3-Buten-2-one	70	C4H6O
3.	5-Hexen-2-one	98	C6H10O
4.	Ethanone, 1-cyclobutyl-	98	C6H10O
5.	5-Hexen-2-one	98	C6H10O

Sample file: >B3606 Spectrum #: 175
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

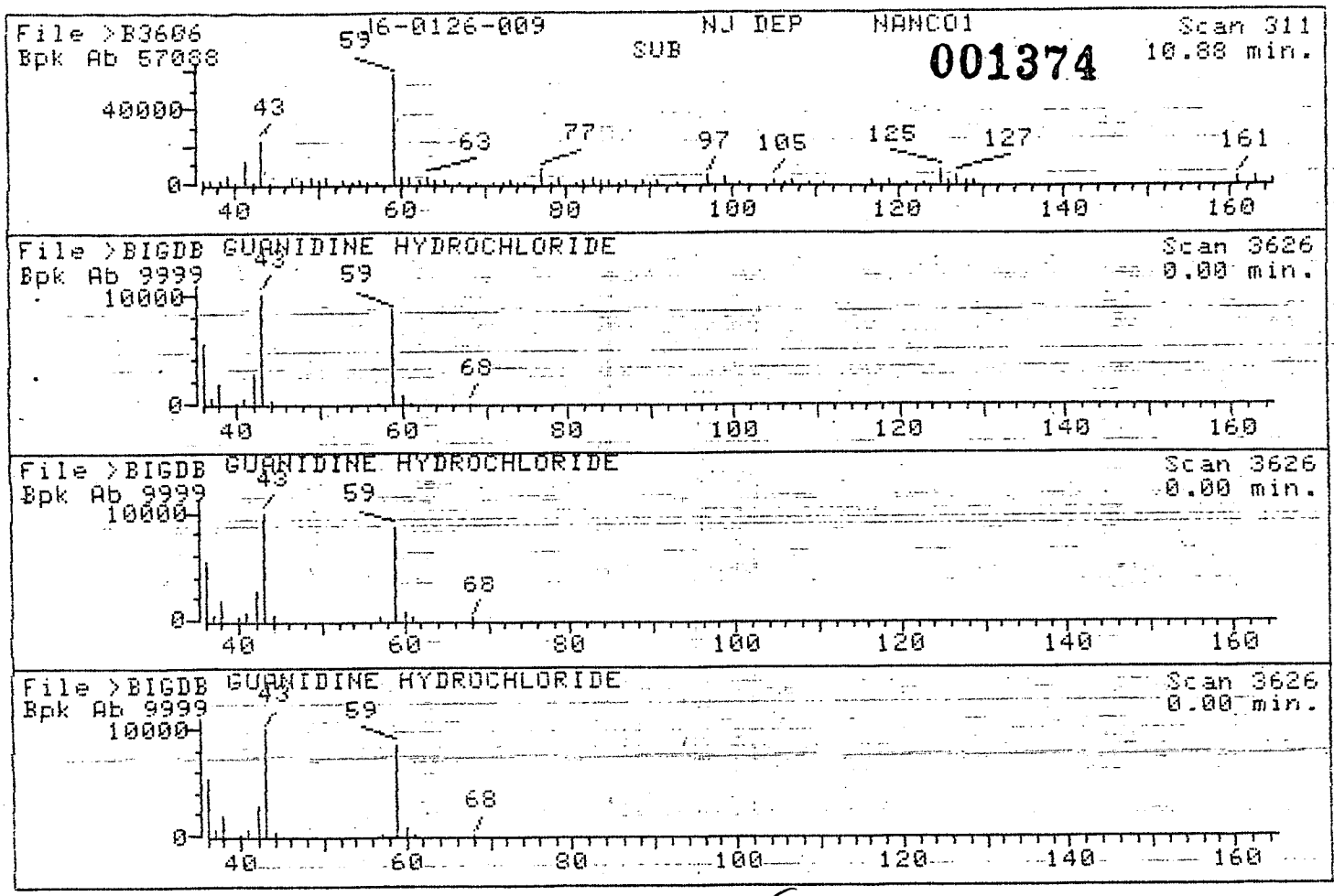
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	71*	78944	6776	"BIGDB	47	41	1	0	83	13	38	32
2.	60*	78944	7084	"BIGDB	36	55	2	0	70	13	30	18
3.	52*	109499	1730	"BIGDB	35	47	0	0	72	34	20	36
4.	39*	3019258	1700	"BIGDB	32	45	2	0	81	30	14	16
5.	28*	109499	1731	"BIGDB	27	40	2	0	100	38	10	14



1. 2-FLUOROPHENOL (SURR.) SU 112 C6.H5FO
   RROGATE COMPOUND BNA
   SURROGATE
2. ~~Phenol, 2-fluoro-~~ 112 C6H5FO
3. Phenol, 4-fluoro- 112 C6H5FO
4. 2-Thiophenecarboxaldehyde 112 C5H4OS
5. 2-Thiophenecarboxaldehyde 112 C5H4OS

Sample file: >B3606 Spectrum #: 195
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	99*	453	57	PRIPOL	113	3	0	0	71	0	72	99
2.	97*	367124	4762	"BIGDB	95	14	0	0	93	0	72	97
3.	20*	371415	23406	"BIGDB	27	63	2	0	86	53	5	14
4.	15*	98033	23666	"BIGDB	32	65	3	0	116	60	3	13
5.	15*	98033	23390	"BIGDB	37	71	3	0	97	60	3	13



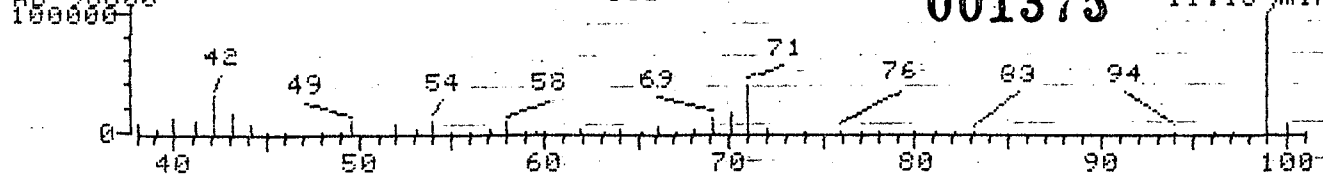
1. GUANIDINE HYDROCHLORIDE 59 CH5N3

U.K.

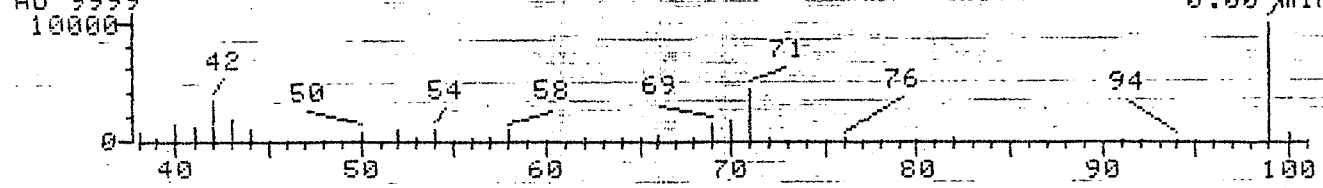
Sample file: >B3606 Spectrum #: 311
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	27*	113008	3626	"BIGDB	21	59	2	0	117	40	10	13

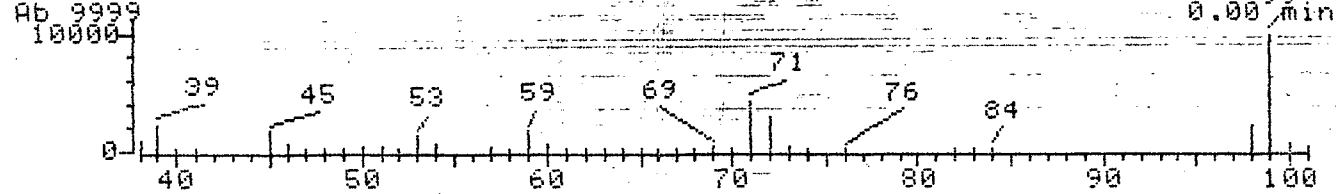
File >B3606 J6-0126-009 NJ DEP NANCO1 Scan324
Bpk Ab 36800 SUB 001375 11.15 min.



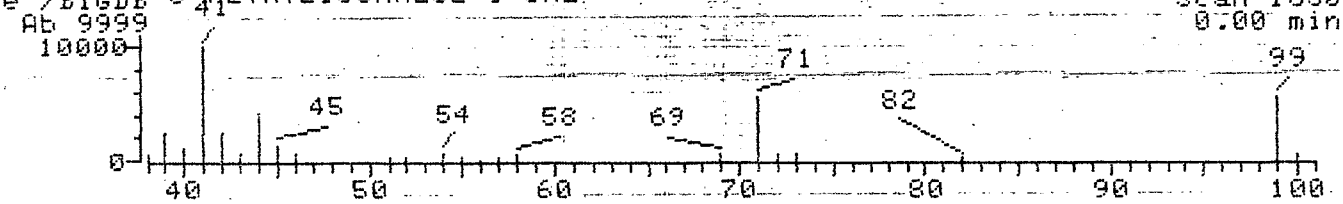
File PRIPOL PHENOL D6 (SURR.) SU Scan452
Bpk Ab 9999 0.00 min.



File >BIGDB Thiazole, 5-methyl- Scan 18508
Bpk Ab 9999 0.00 min.



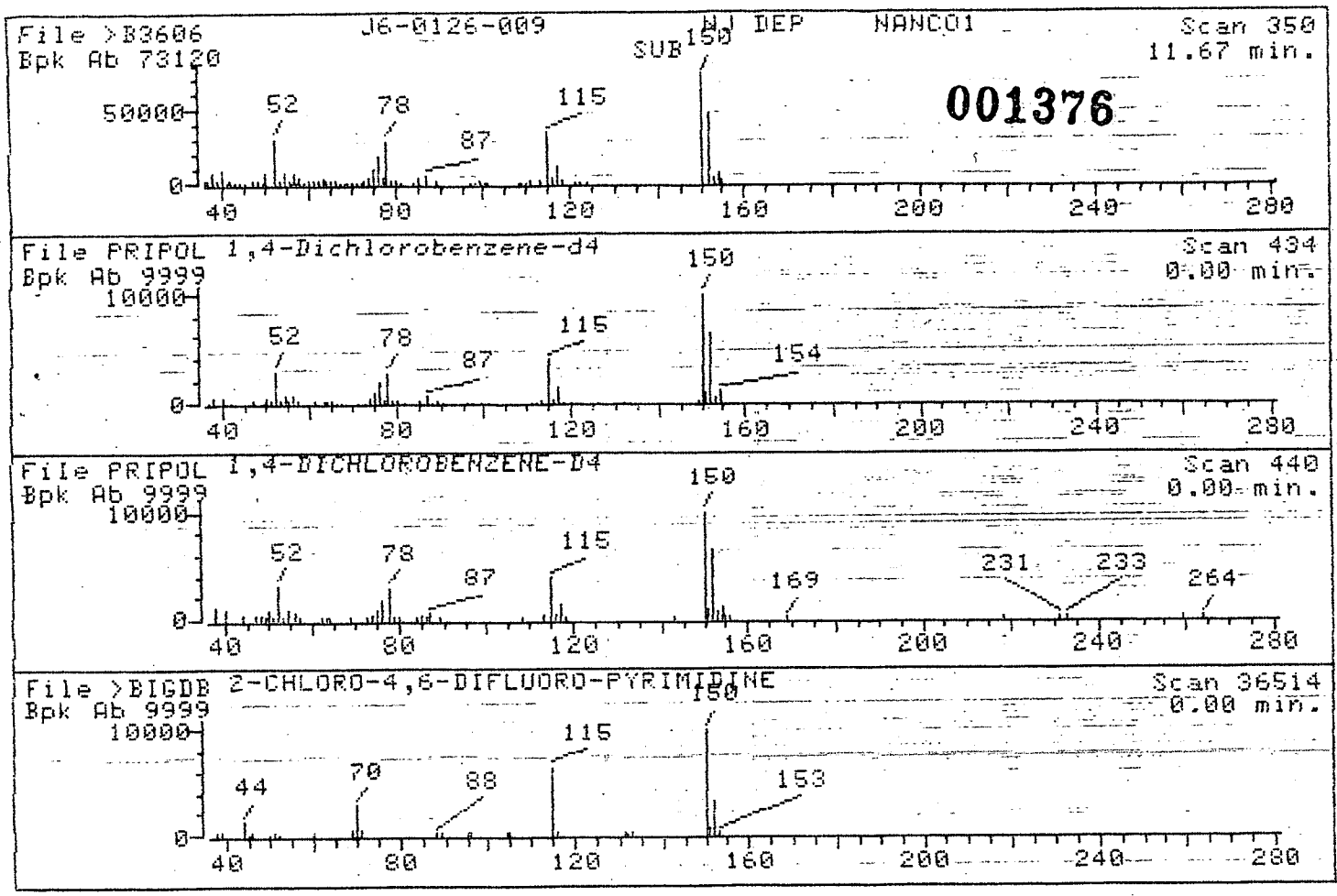
File >BIGDB 3-METHYLISOXAZOL-5-ONE Scan 18506
Bpk Ab 9999 0.00 min.



1. PHENOL D6 (SURR.) SU 100 C6.D6.0
RROGATE COMPOUND BNA
SURROGATE
2. Thiazole, 5-methyl- 99 C4H5NS
3. 3-METHYLISOXAZOL-5-ONE 99 C4H5NO2
4. 3,4-DIAMINO-1,2,4-TRIAZOLE 99 C2H5N5
5. Pyrrolidine 71 C4H9N

Sample file: >B3606 Spectrum #: 324
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	452	159	PRIPOL	93	1	0	0	85	2	72	97
2.	29*	3581893	18508	"BIGDB	23	87	3	0	94	32	12	12
3.	26*	1517960	18506	"BIGDB	22	75	3	0	73	36	10	12
4.	25*	0	18500	"BIGDB	22	35	2	0	100	46	7	13
5.	11*	123751	7607	"BIGDB	23	70	3	0	99	62	2	12



1. 1,4-Dichlorobenzene-d4 150 C6.D4.CL4

800

2. 1,4-DICHLOROBENZENE-D4 150 C6.D4.CL4

BNA

INTERNAL STD. 1

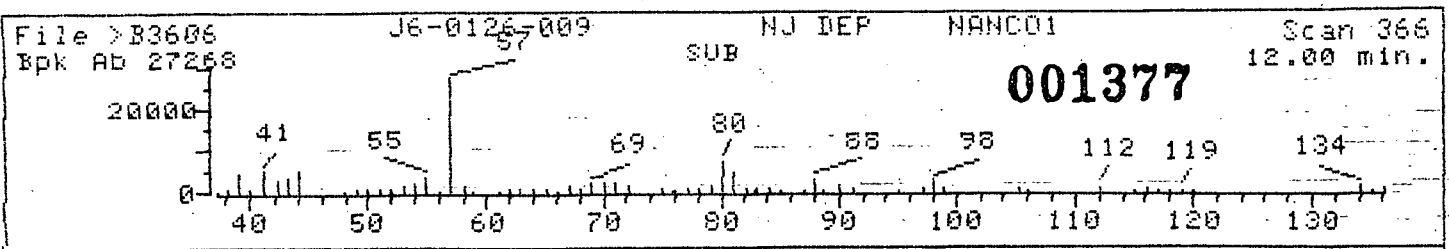
3. 2-CHLORO-4,6-DIFLUORO-PYRIMIDINE 150 C4HC1F2N2

Sample file: >B3606 Spectrum #: 350
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

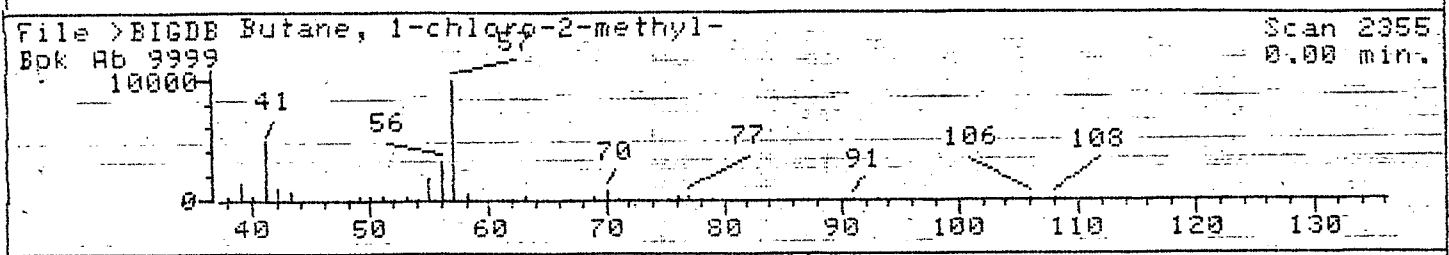
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89%	434	256	PRIPOL	91	16	2	0	98	5	66	72
2.	83%	440	257	PRIPOL	73	37	2	0	96	6	54	55
3.	25%	38953309	36514	"BIGDB	22	73	3	0	72	49	7	12

File >B3606 J6-0126-009 NJ DEP NANCO1 Scan 366
Bpk Ab 27268 SUB 12.00 min.

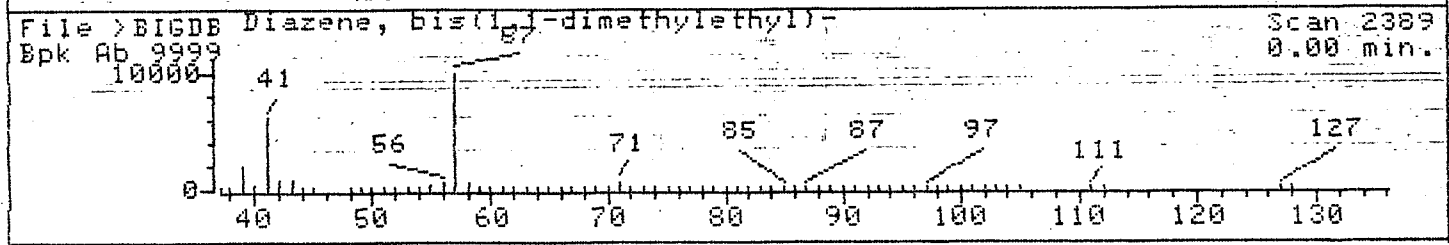
001377



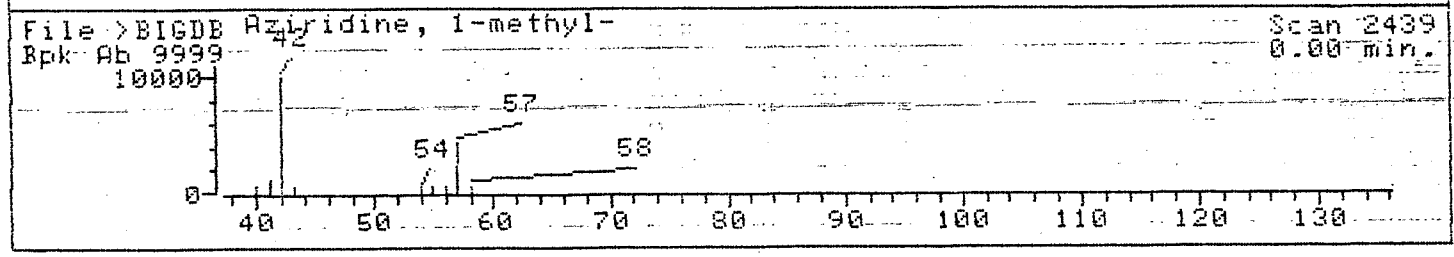
File >BIGDB Butane, 1-chloro-2-methyl- Scan 2355
Bpk Ab 9999 0.00 min.



File >BIGDB Diazene, bis(1,1-dimethylethyl)- Scan 2389
Bpk Ab 9999 0.00 min.



File >BIGDB Aziridine, 1-methyl- Scan 2439
Bpk Ab 9999 0.00 min.

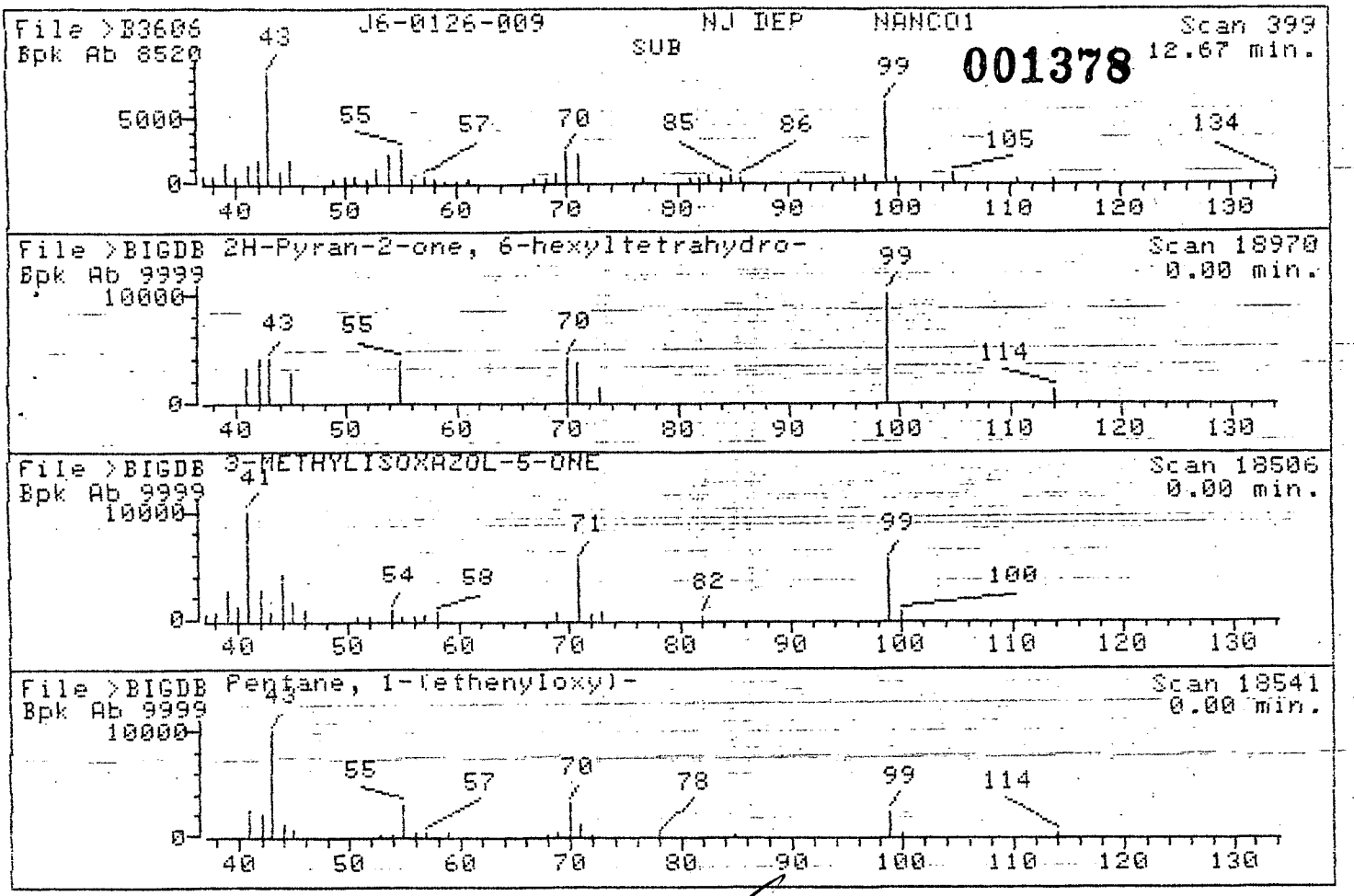


V U.K.

1. Butane, 1-chloro-2-methyl- 106 C5H11Cl
2. Diazene, bis(1,1-dimethylethyl)- 142 C8H18N2
3. Aziridine, 1-methyl- 57 C3H7N
4. Cyclohexanol, 4-chloro-, trans- 134 C6H11ClO

Sample file: >B3606 Spectrum #: 366
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	31*	616137	2355	"BIGDB	34	46	2	0	67	39	10	17
2.	26	927833	2389	"BIGDB	37	34	2	0	85	40	10	12
3.	25*	1072442	2439	"BIGDB	22	58	2	0	164	47	7	13
4.	23*	29538770	18041	"BIGDB	40	47	0	0	60	60	6	48

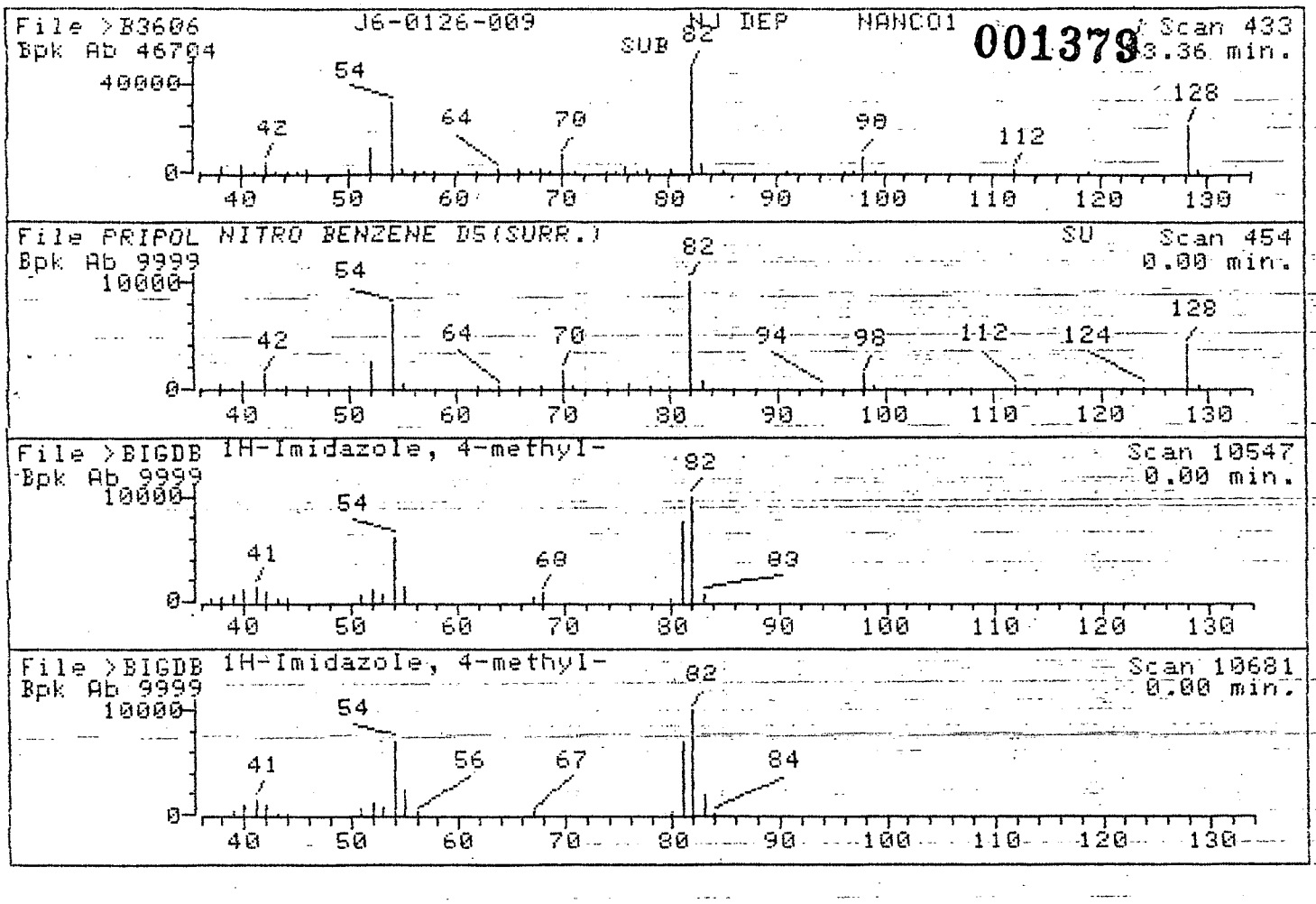


U.K.

1.	2H-Pyran-2-one, 6-hexyltetrahydro-	184	C11H20O2
2.	3-METHYLISOXAZOL-5-ONE	99	C4H5NO2
3.	Pentane, 1-(ethenyloxy)-	114	C7H14O
4.	Isothiazole, 4-methyl-	99	C4H5NS
5.	1,3-Dioxolane, 2-(1-propenyl)-	114	C6H10O2

Sample file: >B3606 Spectrum #: 399
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

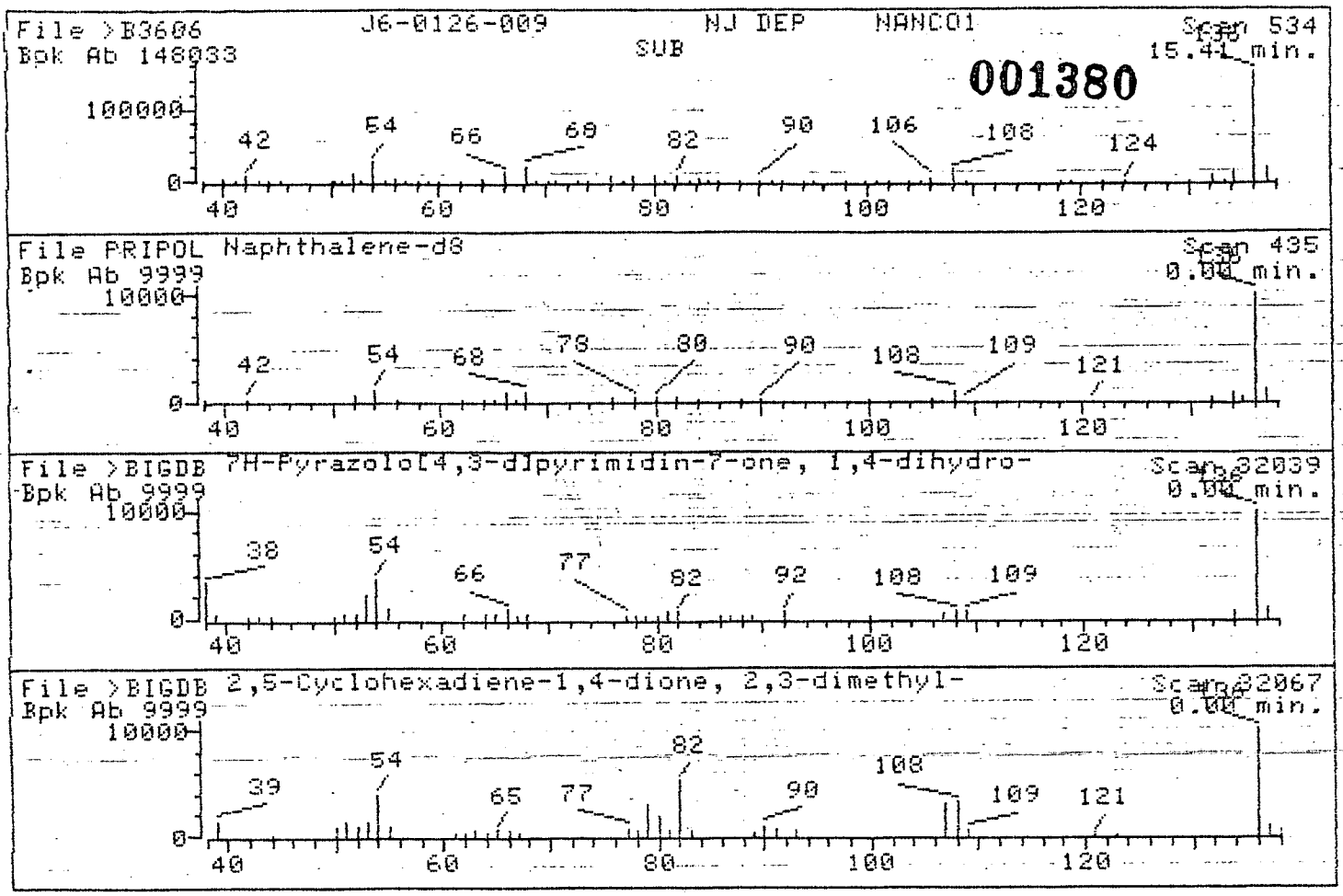
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30	710043	18970	"BIGDB	39	38	2	0	50	32	12	13
2.	29*	1517960	18506	"BIGDB	24	73	3	0	131	32	12	12
3.	28*	5363633	18541	"BIGDB	52	34	2	0	84	52	8	35
4.	25*	693903	18511	"BIGDB	25	37	3	0	72	50	7	13
5.	25*	4528261	18529	"BIGDB	35	74	3	0	72	43	8	13



1.	NITRO BENZENE D5(SURR.)	SU	128
	RROGATE COMPOUND	BNA	
	SURROGATE		
2.	1H-Imidazole, 4-methyl-	82	C4H6N2
3.	1H-Imidazole, 4-methyl-	82	C4H6N2
4.	1H-Pyrazole, 3-methyl-	82	C4H6N2
5.	1H-Imidazole, 2-methyl-	82	C4H6N2

Sample file: >B3606 Spectrum #: 433
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

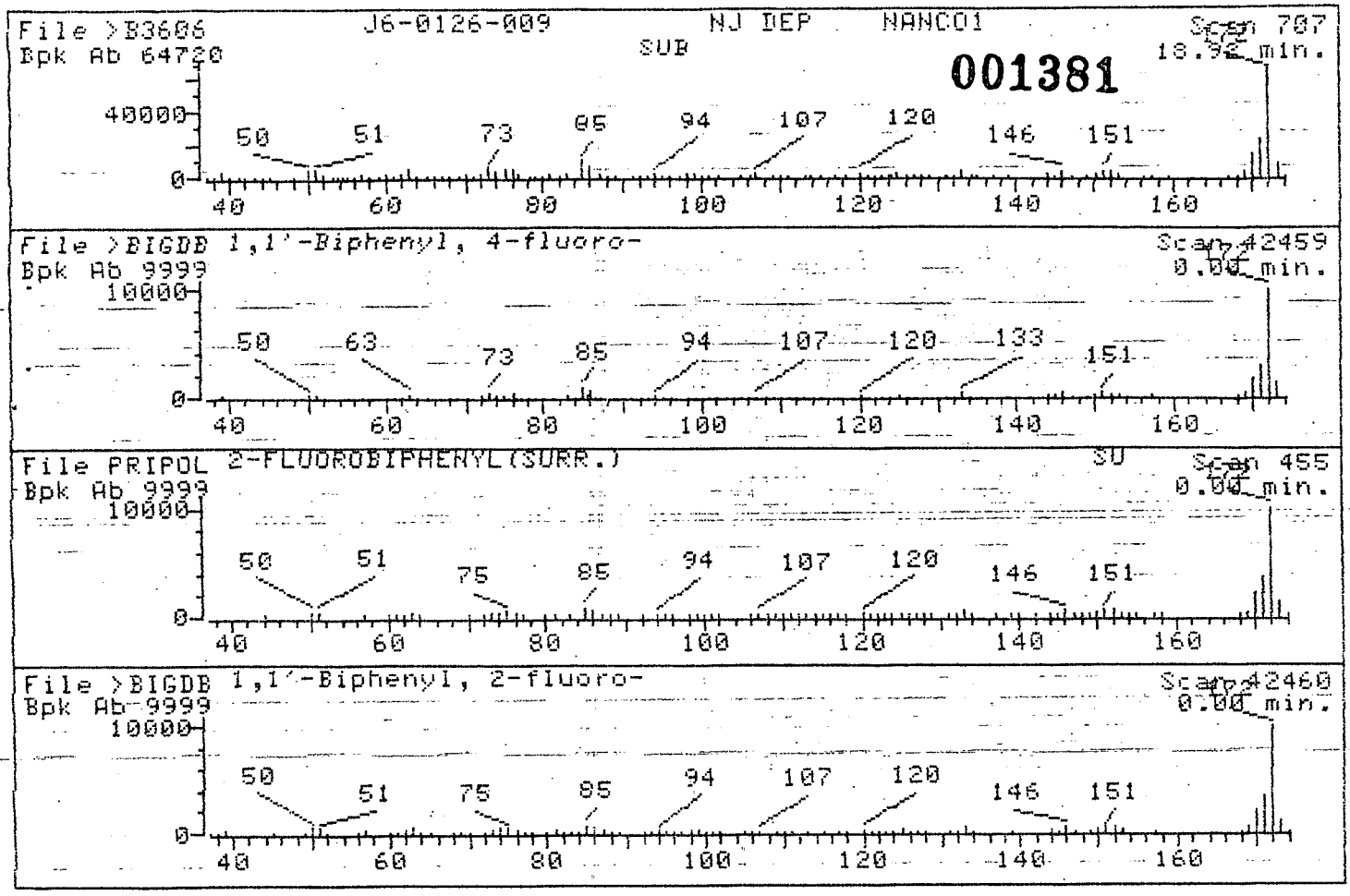
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	454	15	PRIPOL	103	0	0	0	80	0	72	97
2.	27*	822366	10547	"BIGDB	27	64	3	0	100	36	10	13
3.	27*	822366	10681	"BIGDB	28	68	3	0	97	36	10	13
4.	26*	1453583	10682	"BIGDB	22	68	3	0	100	38	10	12
5.	20*	693981	10680	"BIGDB	25	41	3	0	100	53	5	13



1.	Naphthalene-d8	136	C10 D8
2.	7H-Pyrazolo[4,3-d]pyrimidin-7-one, 1,4-dihydro-	136	C5H4N4O
3.	2,5-Cyclohexadiene-1,4-dione, 2,3-dimethyl-	136	C8H8O2
4.	1,3-Dithiolane-2-thione	136	C3H4S3
5.	6H-Purin-6-one, 1,7-dihydro-	136	C5H4N4O

Sample file: >B3606 Spectrum #: 534
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

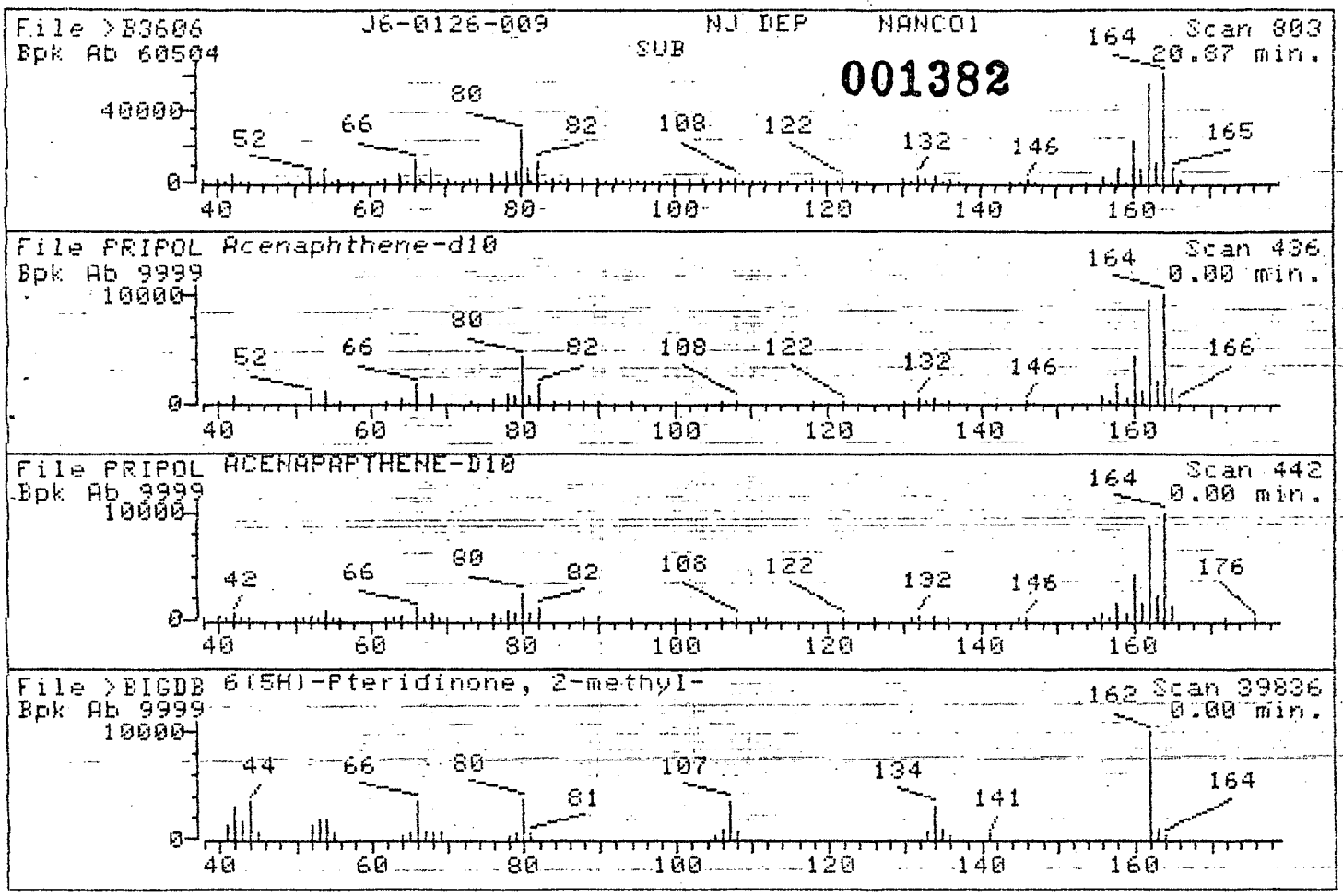
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89*	435	208	PRIPOL	73	20	1	0	90	3	66	73
2.	42*	13877559	32039	"BIGDB	26	81	3	0	100	23	17	13
3.	41*	526863	32067	"BIGDB	22	93	3	0	100	23	17	12
4.	36*	822388	32035	"BIGDB	27	77	3	0	100	30	14	13
5.	35*	68940	32341	"BIGDB	24	61	3	0	100	30	14	12



1.	1,1'-Biphenyl, 4-fluoro-		172	C12H9F
2.	2-FLUOROBIPHENYL(SURR.)	SU	172	C12H9F
	RROGATE COMPOUND	BNA		
	SURROGATE			
3.	1,1'-Biphenyl, 2-fluoro-		172	C12H9F
4.	2-Propenenitrile, 3-[4-(dimethylamino)phenyl]-		172	C11H12N2
5.	1,3-DIMETHYL-2,4-(1H,3H)-PYRIMIDINEDITHIONE		172	C6H8N2S2

Sample file: >B3606 Spectrum #: 707
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

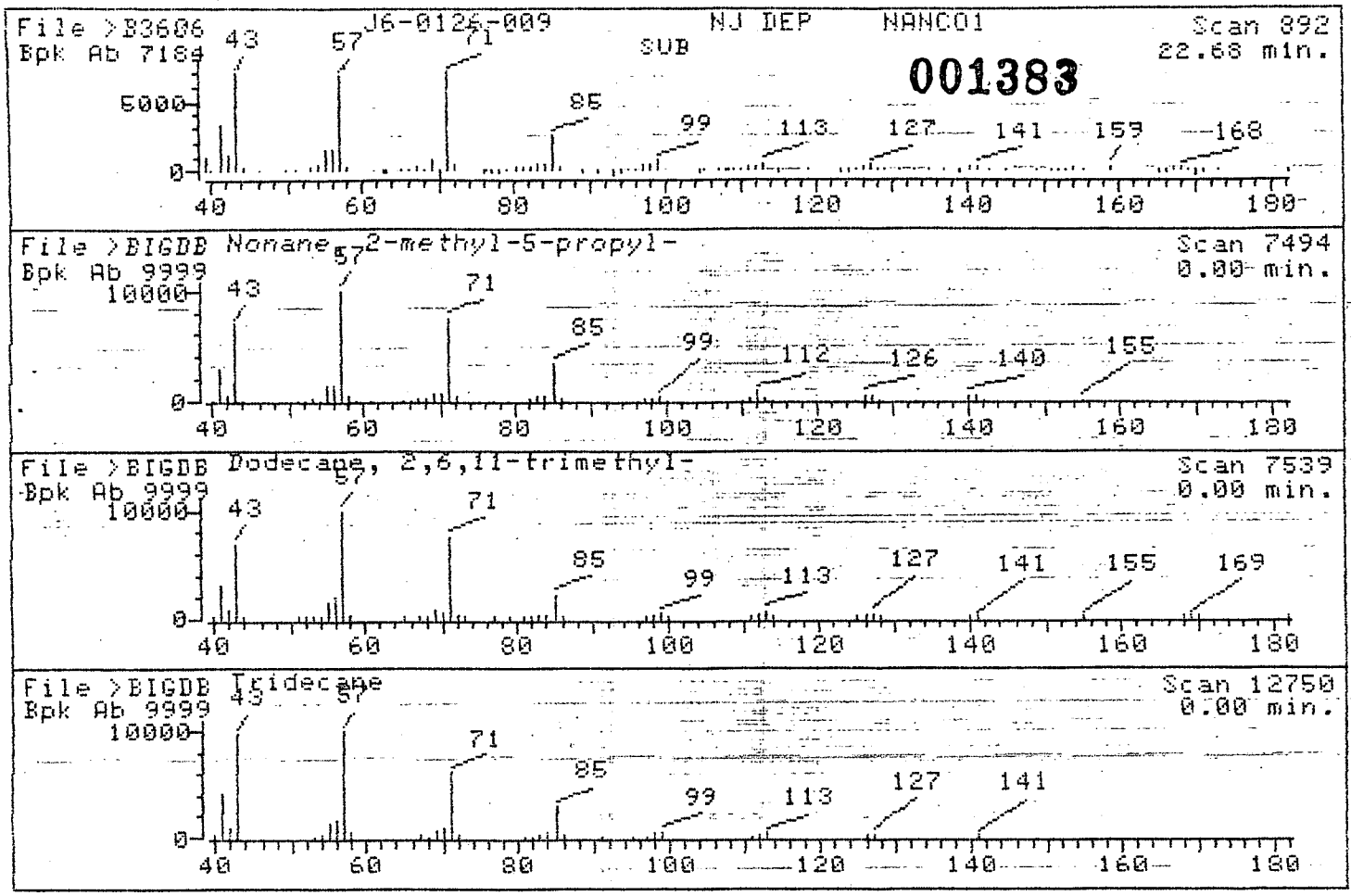
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	324743	42459	"BIGDB	88	16	0	0	96	6	68	96
2.	89*	455	299	PRIPOL	71	33	0	0	78	9	62	89
3.	89*	321608	42460	"BIGDB	71	33	0	0	90	9	62	89
4.	25*	32444636	42458	"BIGDB	26	67	3	0	100	43	8	13
5.	24*	0	42396	"BIGDB	23	92	3	0	100	45	8	12



1.	Acenaphthene-d10		164 C12.D10
			800
2.	ACENAPAPTHENE-D10		164 C12.D10
		BNA	
	INTERNAL STD.		1
3.	6(5H)-Pteridinone, 2-methyl-		162 C7H6N4O
4.	3,4-DIMETHYL-1,2,5-SELENADIAZOLE		162 C4H6N2Se
5.	7(8H)-Pteridinone, 4-methyl-		162 C7H6N4O

Sample file: >B3606 Spectrum #: 803
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	95*	436	274	PRIPOL	101	17	1	0	72	6	68	94
2.	87*	442	275	PRIPOL	87	30	1	0	72	14	55	86
3.	25*	16041251	39836	"BIGDB	30	87	3	0	91	50	7	13

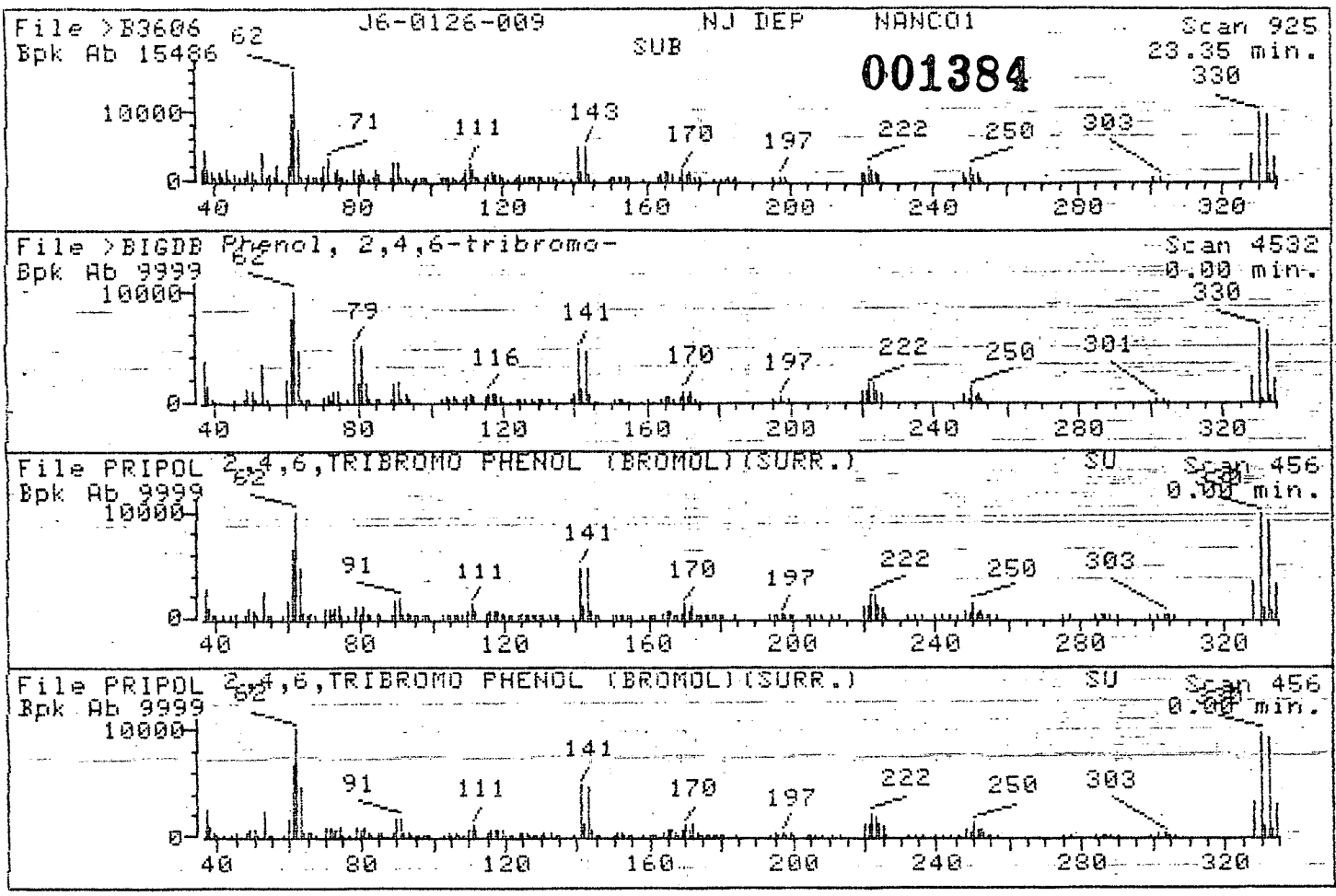


ALKANES

1. Nonane, 2-methyl-5-propyl-	184	C13H28
2. Dodecane, 2,6,11-trimethyl-	212	C15H32
3. Tridecane	184	C13H28
4. Octane, 2,3,7-trimethyl-	156	C11H24
5. Hexatriacontane	506	C36H74

Sample file: >B3606 Spectrum #: 892
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

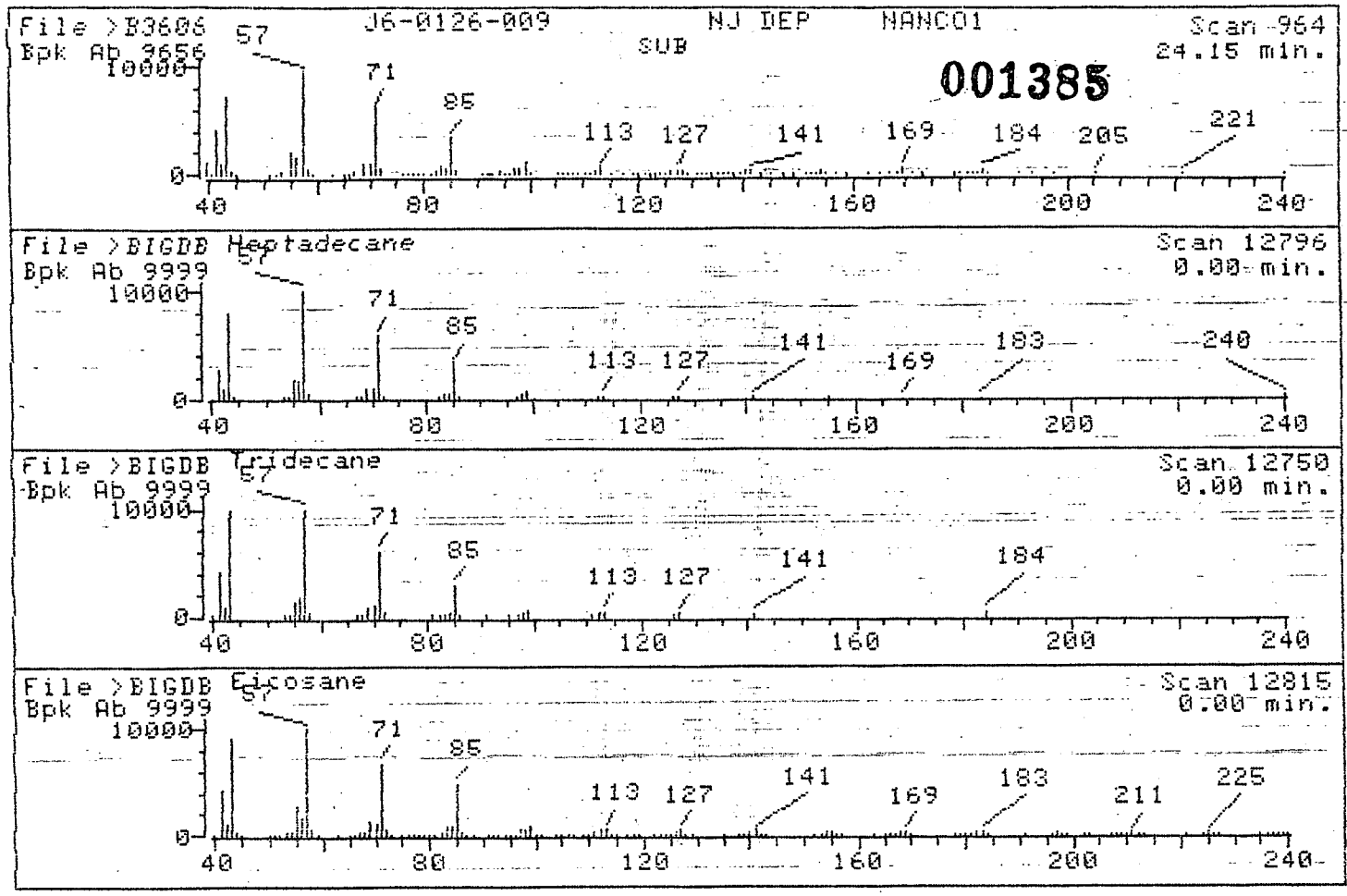
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	70	31081171	7494	"BIGDB	59	44	2	0	95	6	42	14
2.	70	31295564	7539	"BIGDB	57	49	2	0	94	6	42	12
3.	58	629505	12750	"BIGDB	73	34	2	0	95	20	25	24
4.	52	62016346	7412	"BIGDB	46	47	2	0	95	19	20	13
5.	52	630068	12862	"BIGDB	70	83	3	0	95	19	20	12



1. Phenol, 2,4,6-tribromo- 328 C6H3Br3O
2. 2,4,6,TRIBROMO PHENOL (BROMOL)(SURR.) SU 328 C6.H3.BR3O
RROGATE COMPOUND BNA
SURROGATE

Sample file: >B3606 Spectrum #: 925
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	98%	118796	4532	"BIGDB	159	43	1	0	64	19	60	99
2.	90%	456	36	PRIPOL	132	66	1	0	52	45	43	99



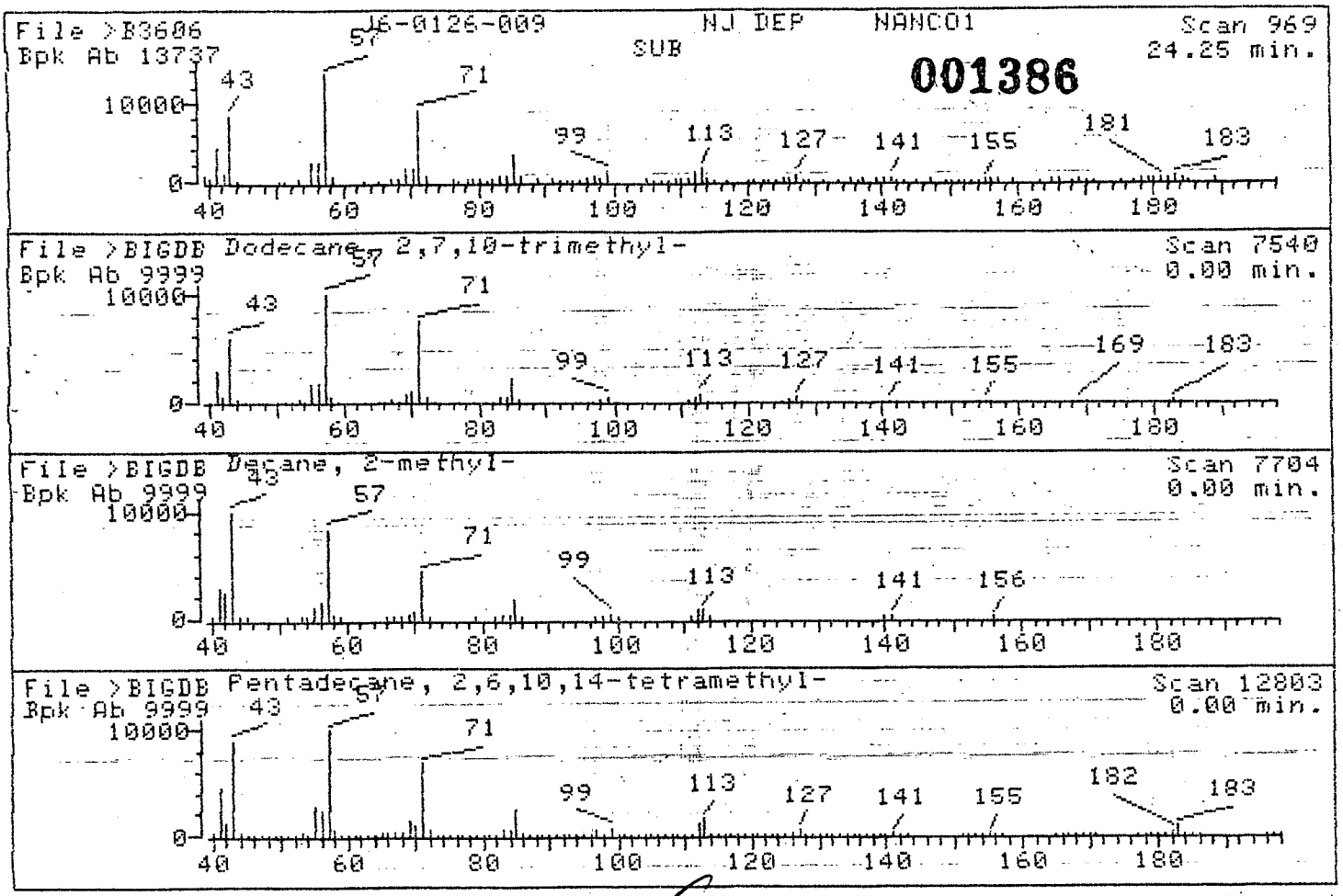
001385

1. Heptadecane 240 C17H36
2. Tridecane 184 C13H28
3. Eicosane 282 C20H42
4. Heptadecane 240 C17H36
5. Octadecane 254 C18H38

ALKANE

Sample file: >B3606 Spectrum #: 964
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	629787	12796	"BIGDB	90	21	0	0	94	7	68	96
2.	95*	629505	12750	"BIGDB	85	22	0	0	76	7	68	95
3.	87	112958	12815	"BIGDB	105	34	2	0	69	5	63	40
4.	86*	629787	12793	"BIGDB	94	21	2	0	78	7	59	72
5.	86	593453	12799	"BIGDB	97	36	2	0	68	5	60	31

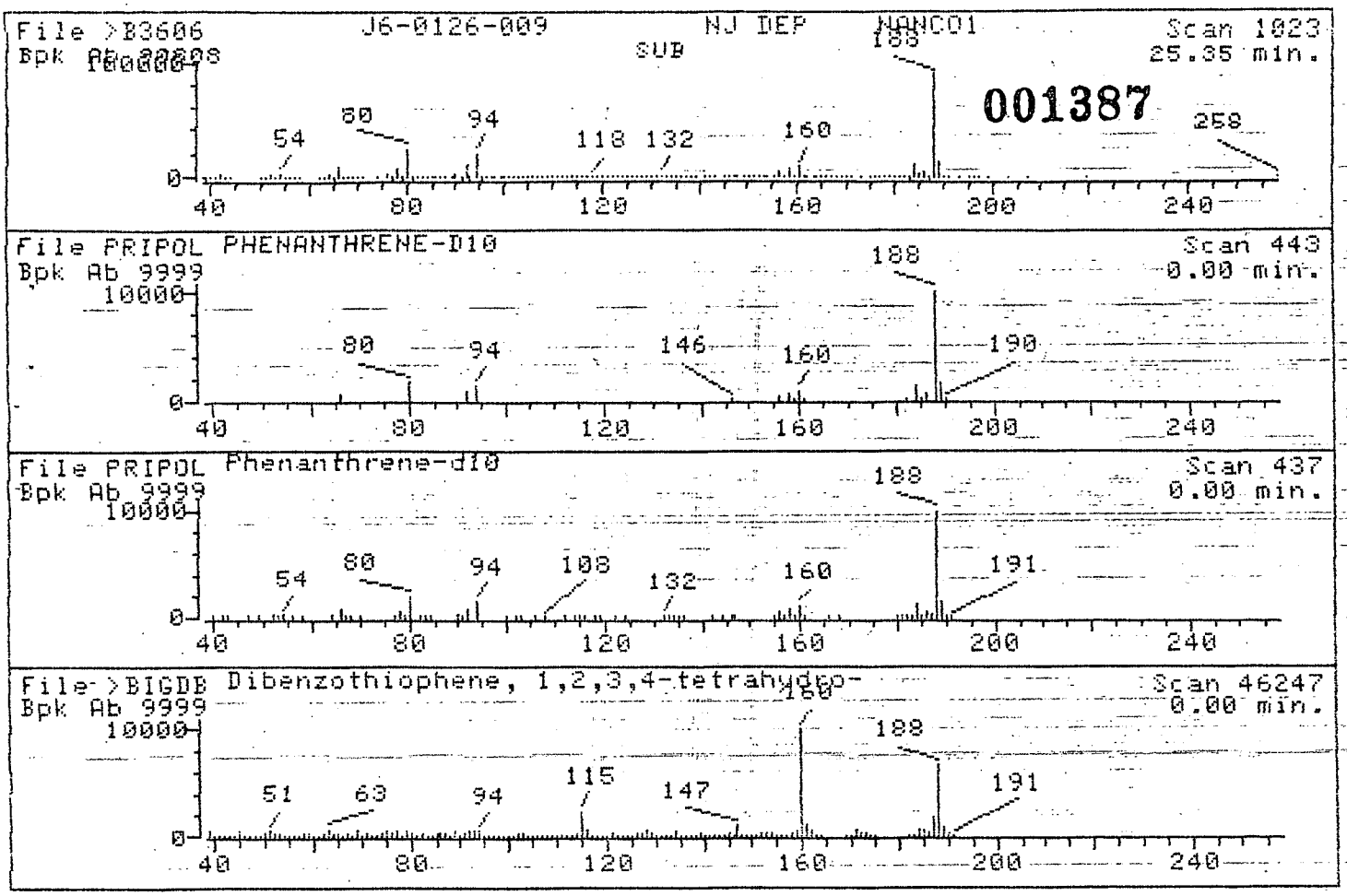


ALKANE

1.	Dodecane, 2,7,10-trimethyl-	212	C15H32
2.	Decane, 2-methyl-	156	C11H24
3.	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40
4.	Dodecane, 2,6,11-trimethyl-	212	C15H32
5.	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42

Sample file: >B3606 Spectrum #: 969
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	88	74645980	7540	"BIGDB	92	17	1	0	89	4	65	57
2.	87*	6975980	7704	"BIGDB	61	33	2	0	119	5	63	44
3.	83	1921706	12803	"BIGDB	86	44	2	0	69	0	57	24
4.	83	31295564	7539	"BIGDB	72	34	2	0	85	4	57	24
5.	83	638368	7583	"BIGDB	86	49	2	0	67	0	57	24



1. PHENANTHRENE-D10 — 188 C14.D10

INTERNAL STD.

2. Phenanthrene-d10 — 188 C14.D10

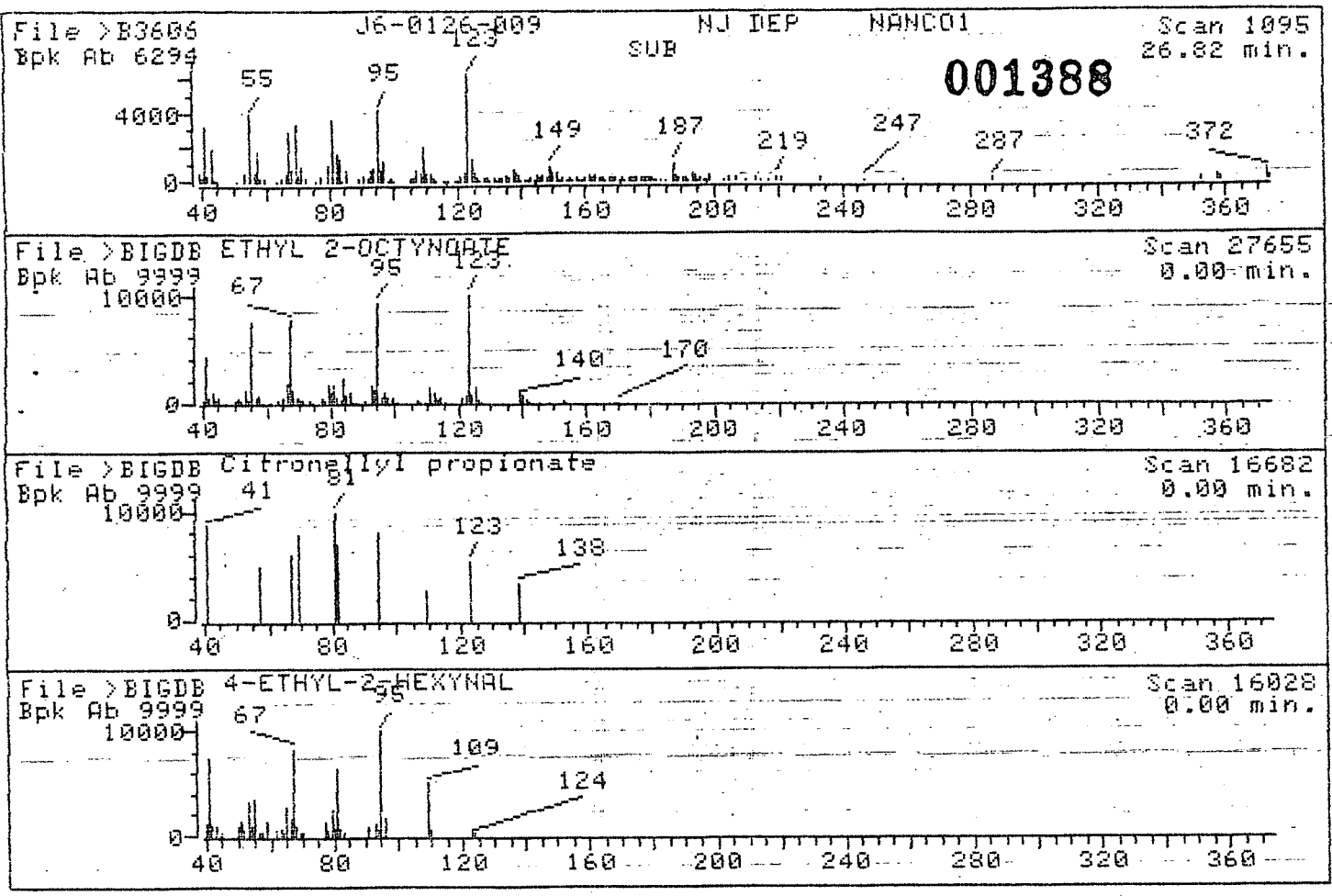
BNA 1

800

3. Dibenzothiophene, 1,2,3,4-tetrahydro- — 188 C12H12S
4. Selenide, ethyl 1-methyl-1-penten-3-ynyl — 188 C8H12Se
5. 1,1'-Biphenyl, 4-chloro- — 188 C12H9Cl

Sample file: >B3606 Spectrum #: 1023
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	443	334	PRIPOL	95	17	0	0	88	11	64	97
2.	87*	437	333	PRIPOL	90	24	1	0	80	11	55	89
3.	27*	16587330	46247	"BIGDB	28	92	3	0	151	36	10	13

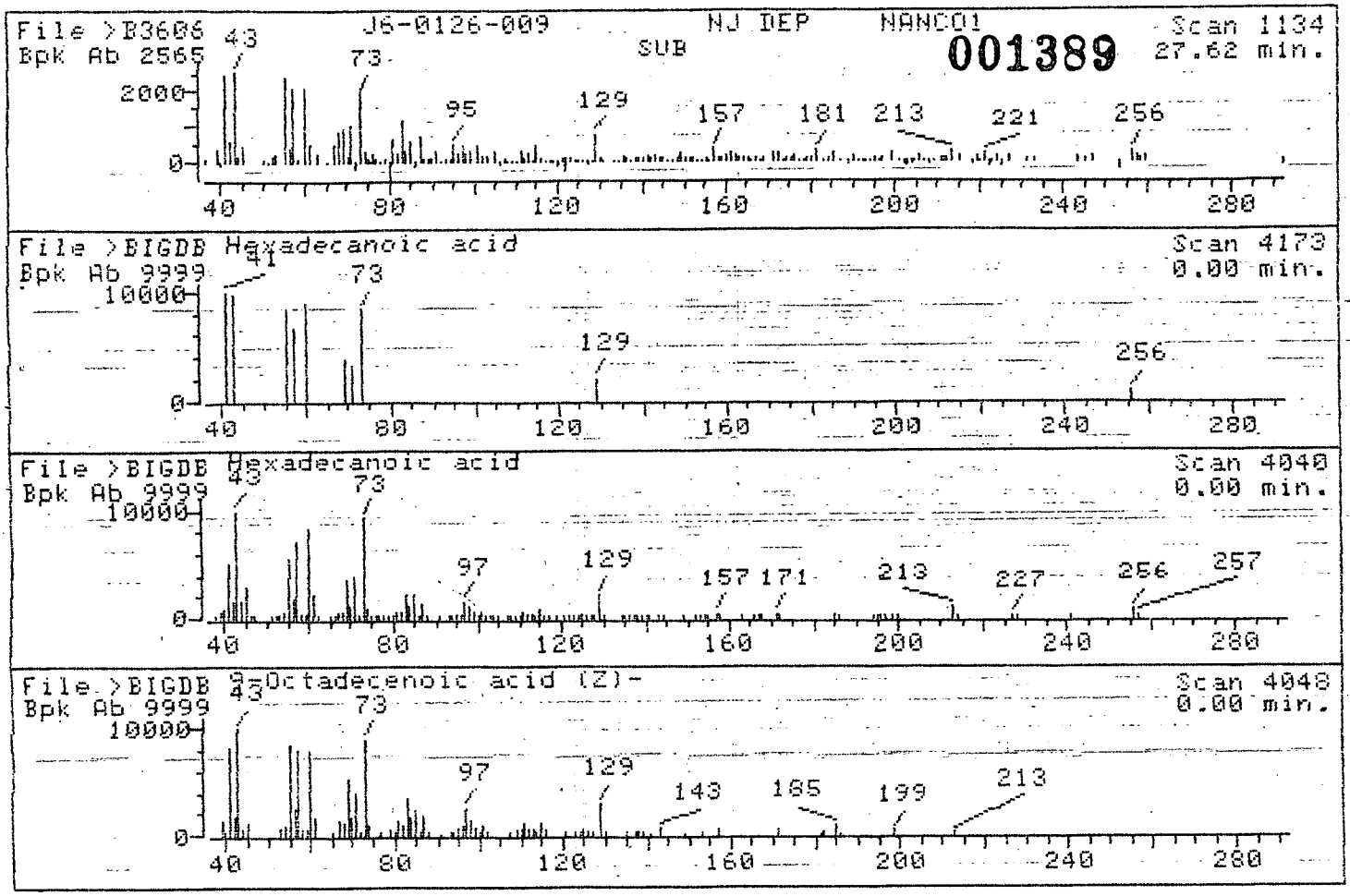


U.K.

1.	ETHYL 2-OCTYNOATE	168	C10H16O2
2.	Citronellyl propionate	212	C13H24O2
3.	4-ETHYL-2-HEXYNAL	124	C8H12O
4.	N-ETHYL-4-PYRIDONE	123	C7H9NO
5.	4-Pyrimidinamine, 2,6-dimethyl-	123	C6H9N3

Sample file: >B3606 Spectrum #: 1095
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25%	0	27655	"BIGDB	25	95	3	0	62	48	7	13
2.	20	141140	16682	"BIGDB	40	48	2	0	54	53	5	12
3.	20*	0	16028	"BIGDB	42	73	2	0	57	54	5	14
4.	20*	0	27556	"BIGDB	31	68	3	0	100	53	5	13
5.	20*	461983	27537	"BIGDB	21	72	2	0	100	55	5	13

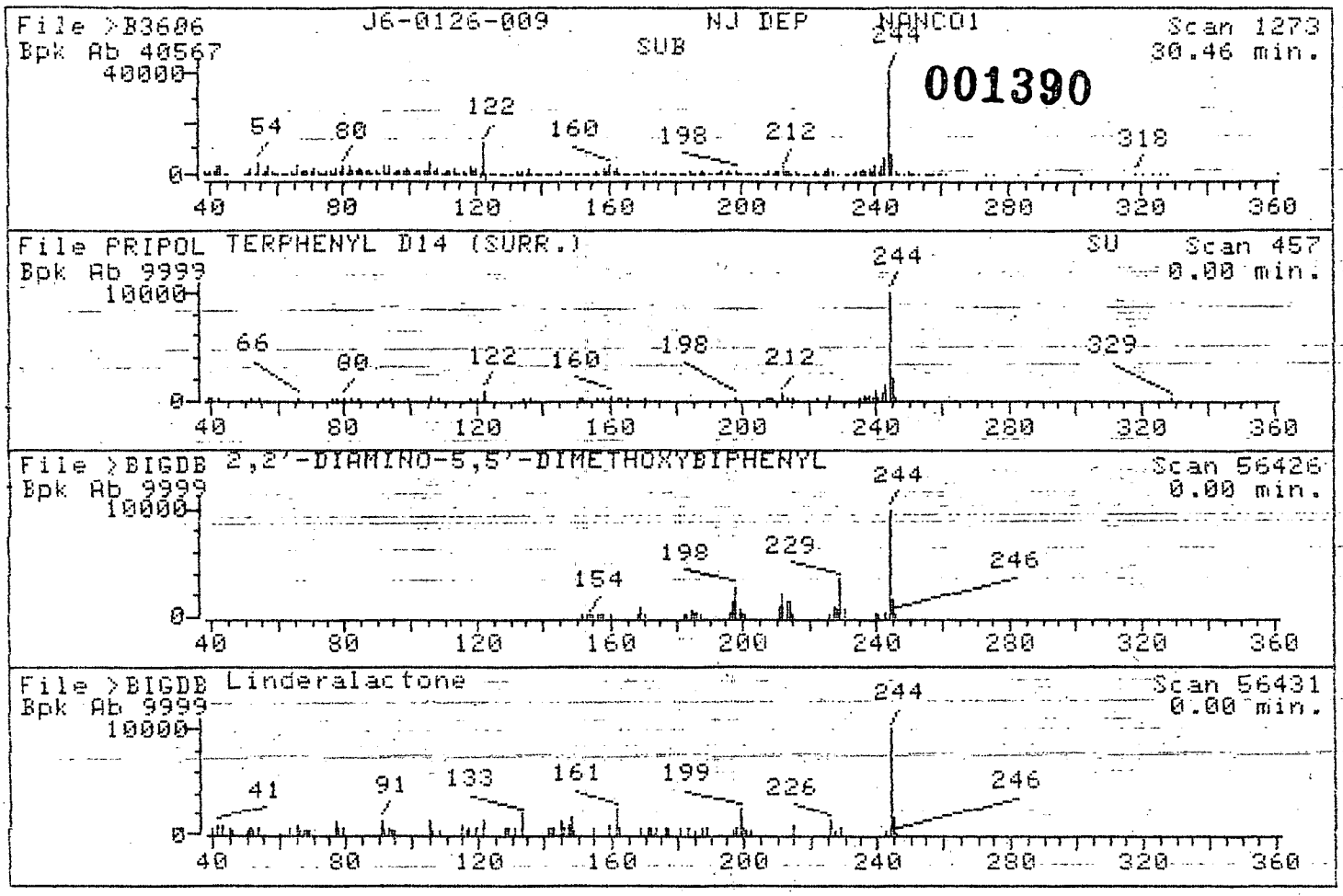


CARBOXYLIC ACID

1. Hexadecanoic acid	256	C16H3202
2. Hexadecanoic acid	256	C16H3202
3. 9-Octadecenoic acid (Z)-	282	C18H3402
4. Octadecanoic acid	284	C18H3602
5. Dodecanoic acid, silver(1+) salt	0	

Sample file: >B3606 Spectrum #: 1134
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	90*	57103	4173	"BIGDB	67	9	0	0	89	39	47	96
2.	75*	57103	4040	"BIGDB	91	60	2	0	82	21	41	71
3.	67	112801	4048	"BIGDB	95	71	3	0	85	15	34	21
4.	60	57114	4176	"BIGDB	75	90	3	0	78	15	30	13
5.	60	18268456	4054	"BIGDB	80	95	3	0	77	14	30	14

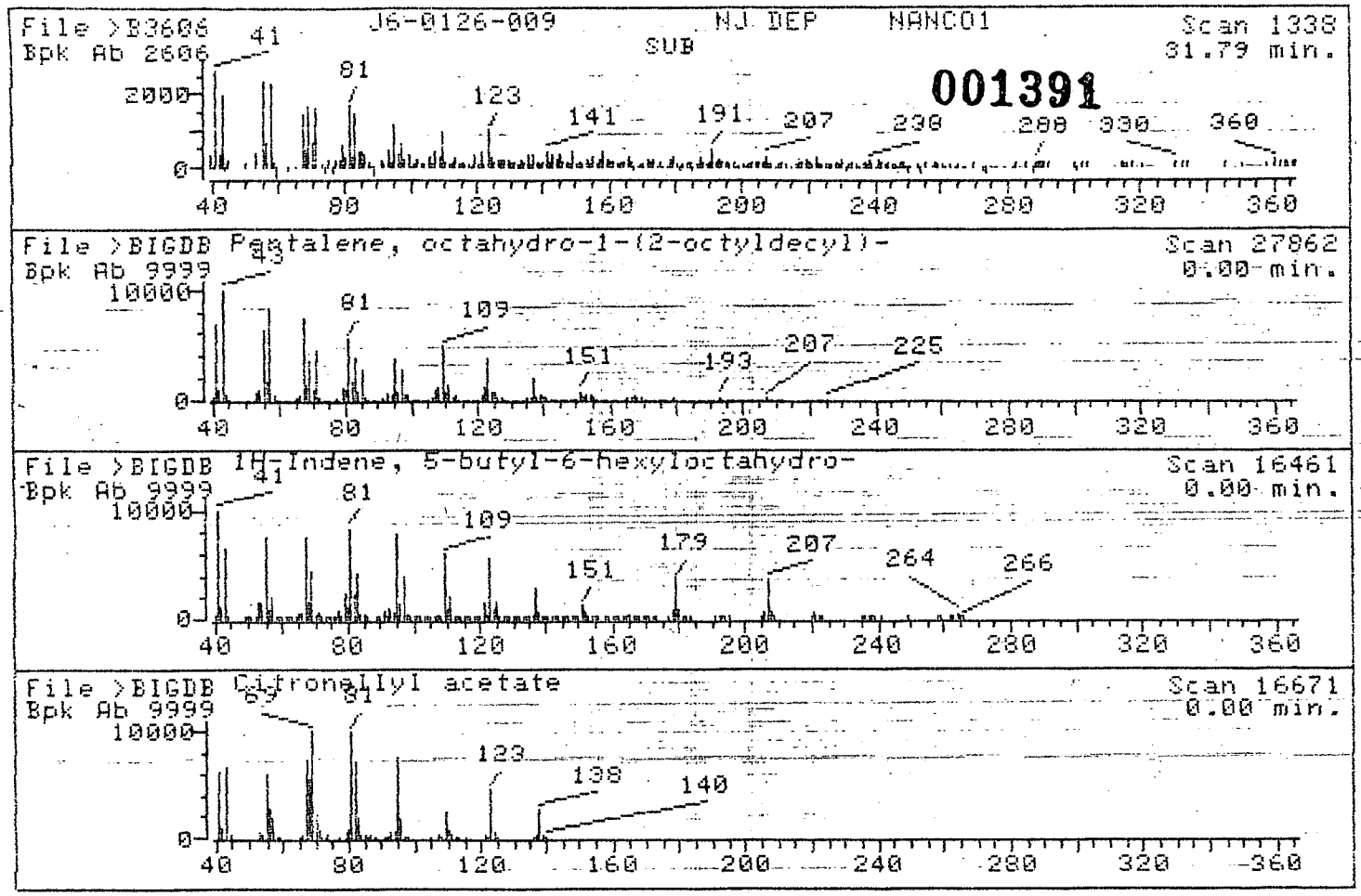


001390

1. TERPHENYL D14 (SURR.) SU 244
RROGATE COMPOUND BNA
SURROGATE
2. 2,2'-DIAMINO-5,5'-DIMETHOXYBIPHENYL 244 C14H16N2O2
3. Linderalactone 244 C15H16O3

Sample file: >B3606 Spectrum #: 1273
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	457	403	PRIPOL	90	47	1	0	69	14	55	89
2.	30*	0	56426	"BIGDB	25	123	3	0	100	32	12	13
3.	26*	728610	56431	"BIGDB	24	127	3	0	100	39	10	12

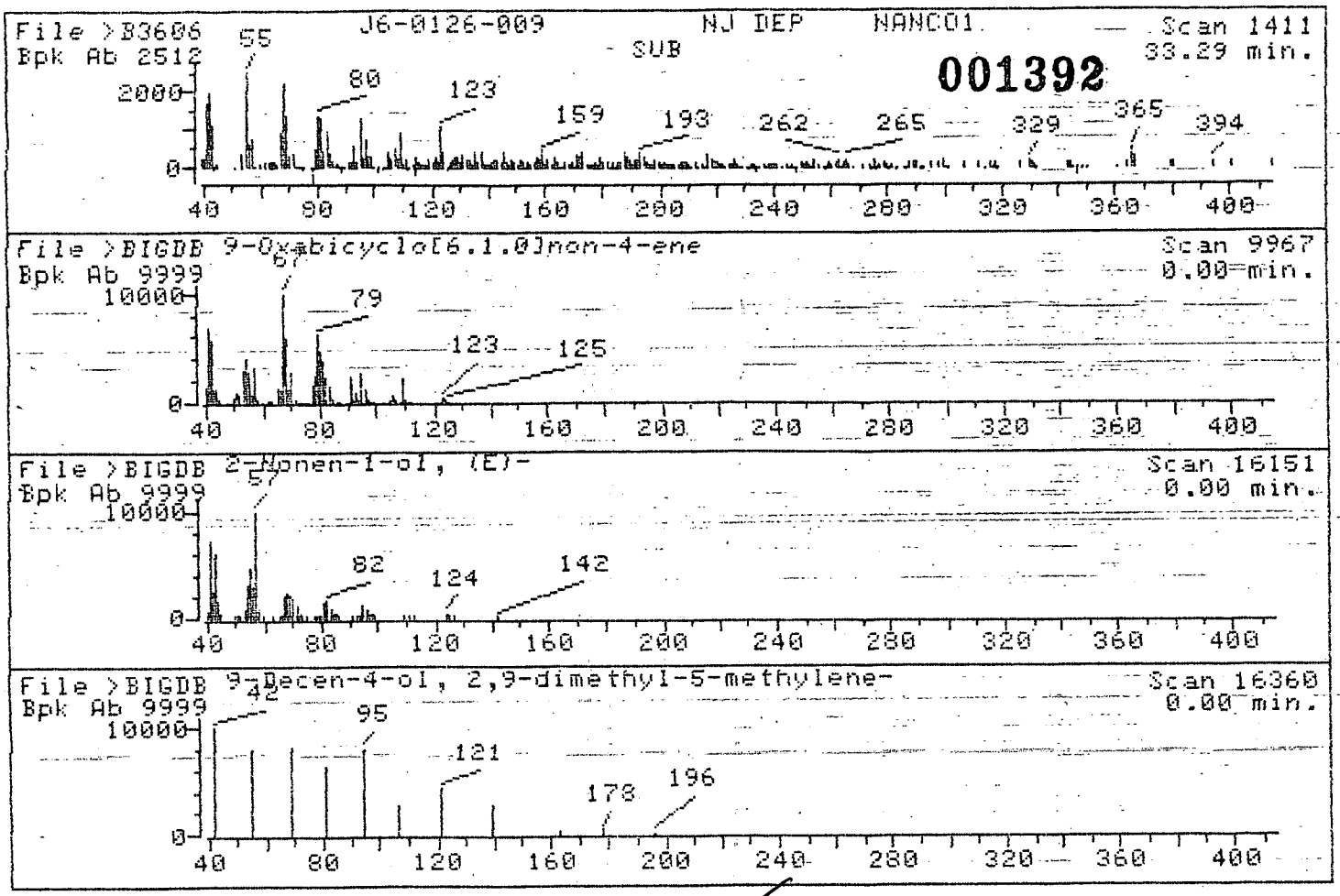


V.K.

1. Pentalene, octahydro-1-(2-octyldecyl) 362 C26H50
2. 1H-Indene, 5-butyl-6-hexyloctahydro- 264 C19H36
3. Citronellyl acetate 198 C12H2202
4. (+)-2-ENDO,3-ENDO-DIMETHYLBORNANE 166 C12H22
5. 7-OXABICYCLO[4,1,0]HEPTANE, 1,5-DIMETHYL- 126 C8H140

Sample file: >B3606 Spectrum #: 1338
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	40	55401655	27862	"BIGDB	83	94	2	0	57	33	16	23
2.	31	55044365	16461	"BIGDB	78	91	3	0	53	33	12	14
3.	25	150845	16671	"BIGDB	70	80	3	0	56	50	7	12
4.	25*	0	16276	"BIGDB	53	68	3	0	98	50	7	16
5.	25*	0	7318	"BIGDB	37	78	3	0	74	50	7	13

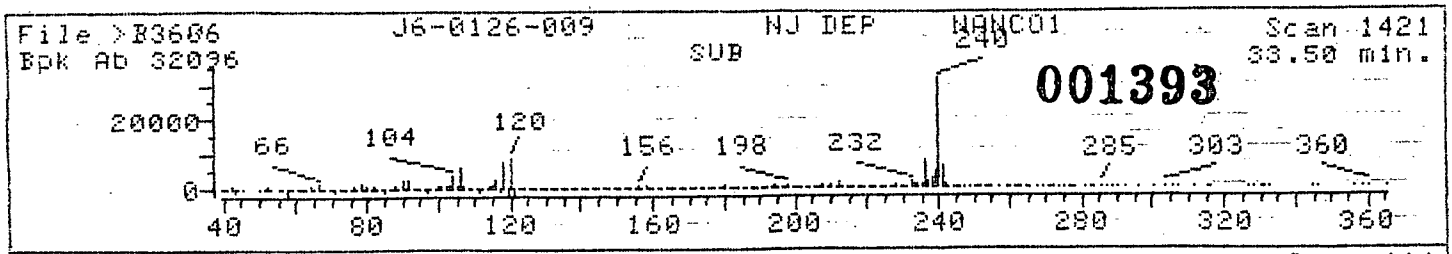


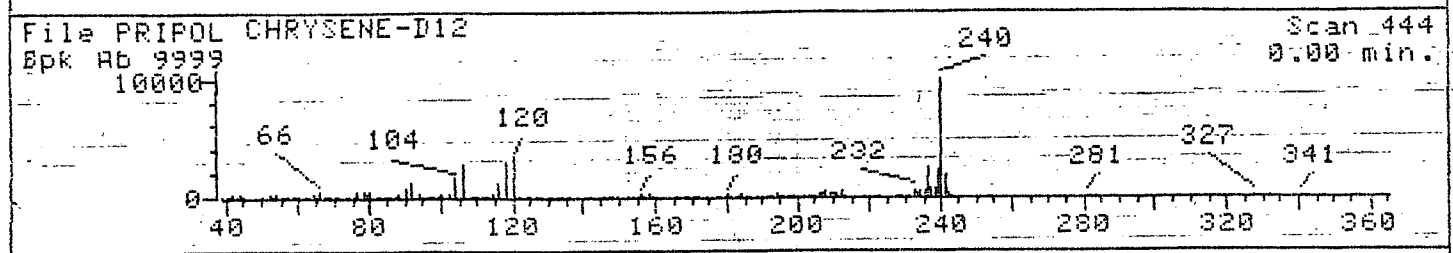
U.K. ALCOHOL

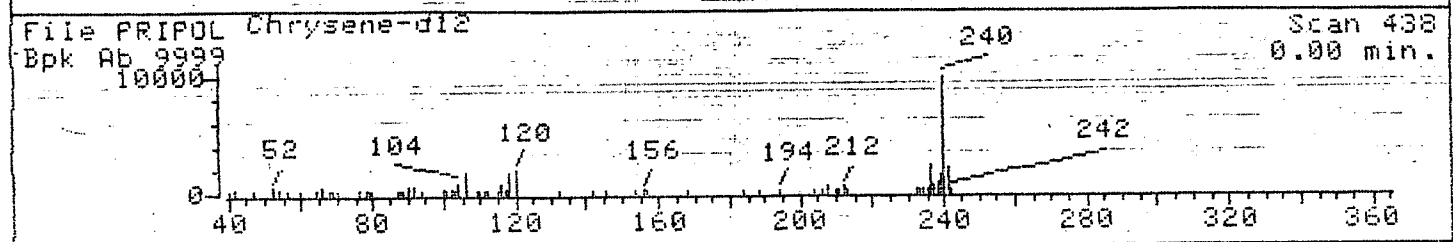
1. 9-Oxabicyclo[6.1.0]non-4-ene 124 C8H12O
2. 2-Nonen-1-ol, (E)- 142 C9H18O
3. 9-Decen-4-ol, 2,9-dimethyl-5-methylene- 196 C13H24O
4. 4-Nonen-1-ol, (E)- 142 C9H18O
5. 3-Azabicyclo[3.2.2]nonane, 3-nitroso- 154 C8H14N2O

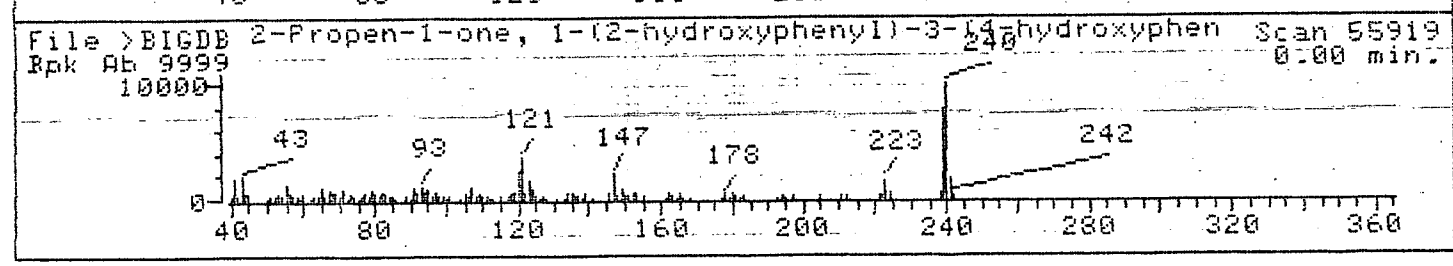
Sample file: >B3606 Spectrum #: 1411
Search speed: 1 Tilting option: N No. of ion ranges searched: 51

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30*	637901	9967	"BIGDB	34	91	3	0	113	33	12	13
2.	27*	31502144	16151	"BIGDB	35	67	3	0	323	39	10	13
3.	13*	69690773	16360	"BIGDB	50	36	2	0	62	63	3	31
4.	11*	16695344	16153	"BIGDB	33	36	2	0	88	63	2	16
5.	11	1522094	16608	"BIGDB	35	41	2	0	117	63	2	12





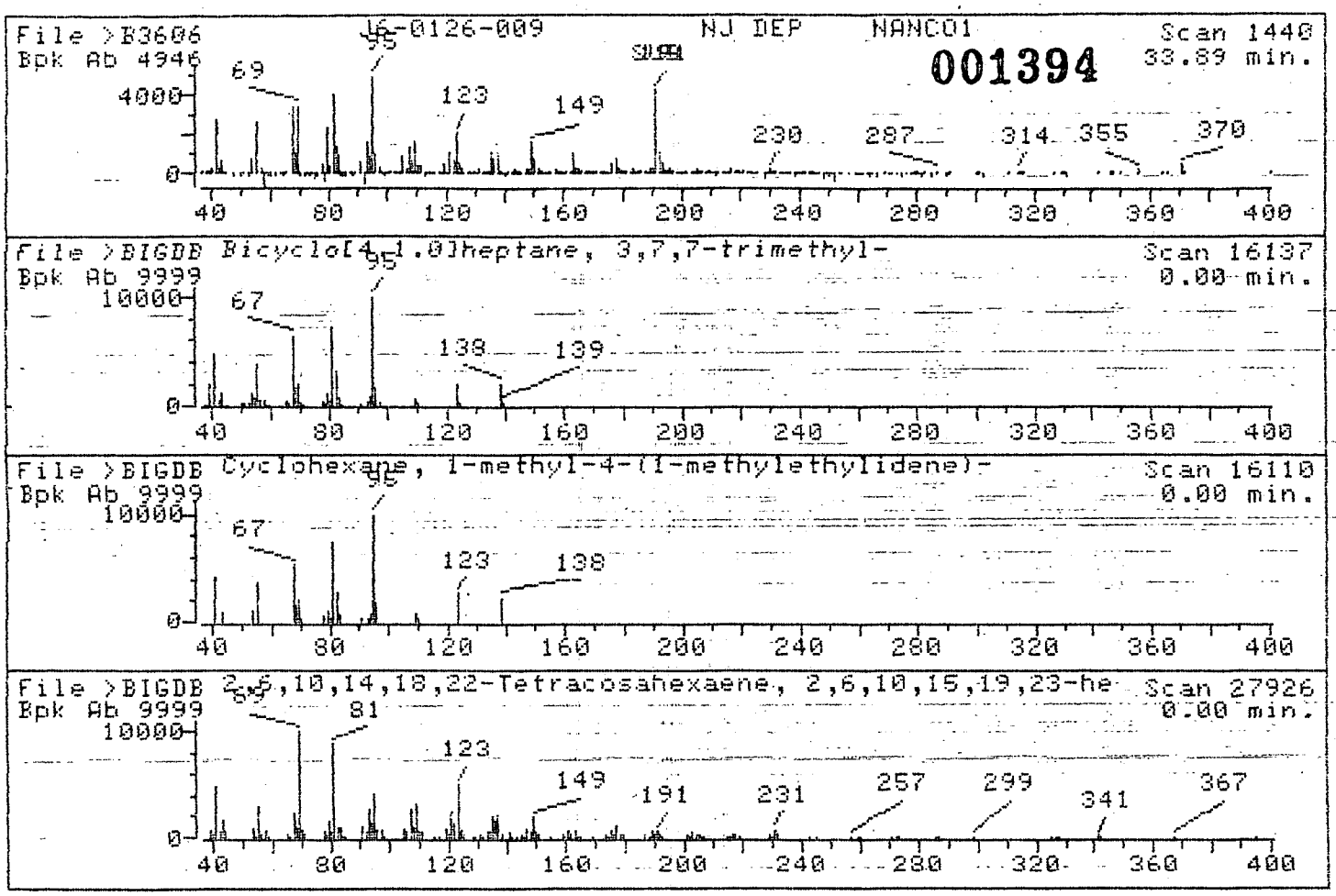




1. CHRYSENE-D12		240 C18.D12
INTERNAL STD.	BNA	1
2. Chrysene-d12		240 C18.D12
		800
3. 2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4-hydroxyphenyl)-		240 C15H12O3
4. Benzenamine, 4-(6-methyl-2-benzothiazolyl)-		240 C14H12N2S
5. [1]Benzothieno[4,5-b][1]benzothiophene		240 C14H8S2

Sample file: >B3606 Spectrum #: 1421
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	93*	444	402	PRIPOL	108	39	1	0	60	29	57	96
2.	79*	438	401	PRIPOL	71	50	0	0	43	47	30	89

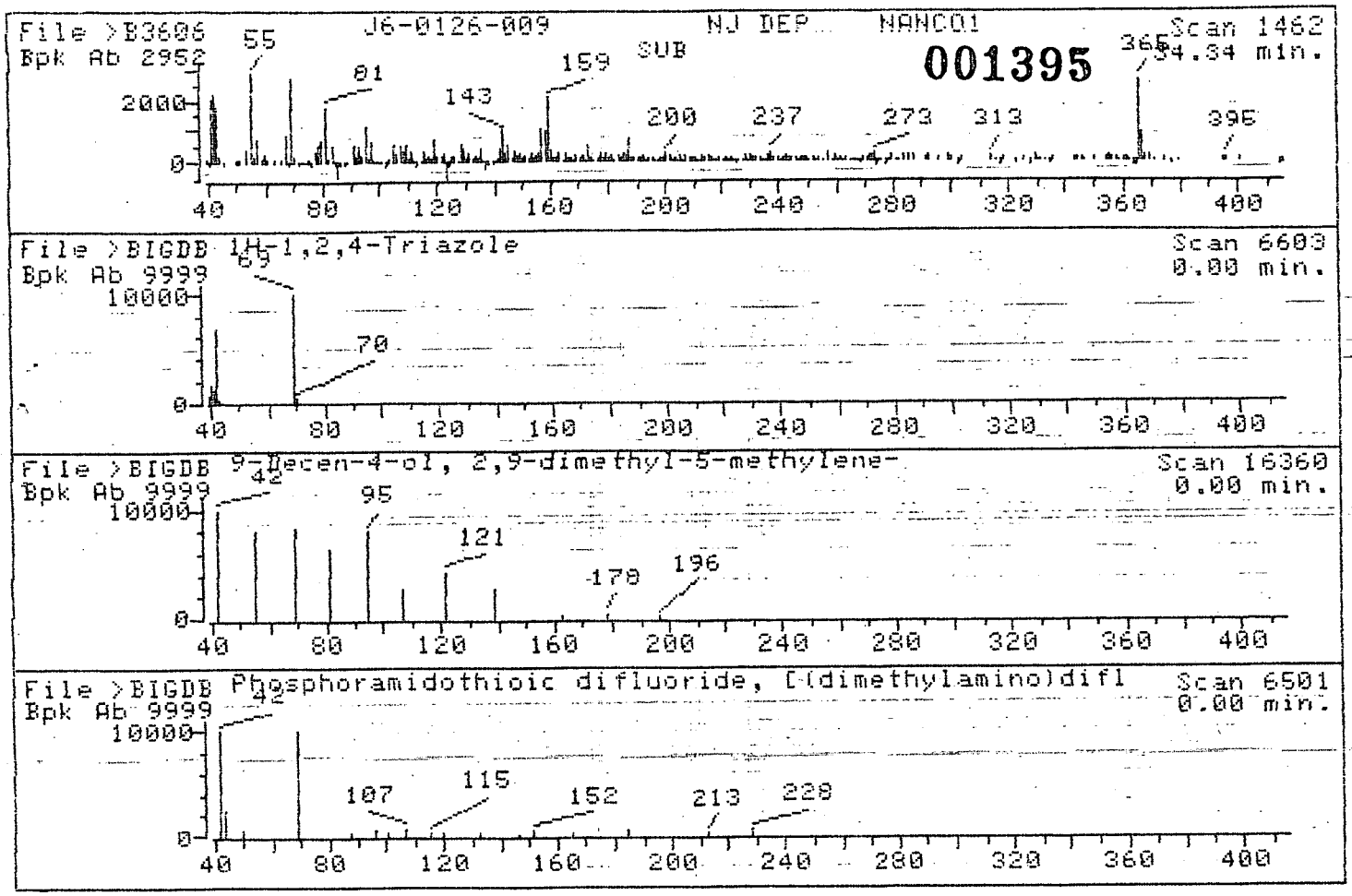


ALKANE

1. Bicyclo[4.1.0]heptane, 3,7,7-trimethyl- 138 C10H18
2. Cyclohexane, 1-methyl-4-(1-methylethylidene)- 138 C10H18
3. 2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl- 410 C30H50
4. Citronellyl acetate 198 C12H22O2
5. CYCLOPENTANE, 1-METHYL-3-(2-METHYLPROPENYL)- 138 C10H18

Sample file: >B3606 Spectrum #: 1440
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	24	554596	16137	"BIGDB	67	44	1	0	94	53	7	24
2.	24	1124272	16110	"BIGDB	63	47	1	0	100	53	7	21
3.	24	7683649	27926	"BIGDB	99	86	3	0	86	51	7	23
4.	15	150845	16671	"BIGDB	74	76	3	0	69	58	3	13
5.	15	0	27583	"BIGDB	54	63	1	0	72	58	3	13

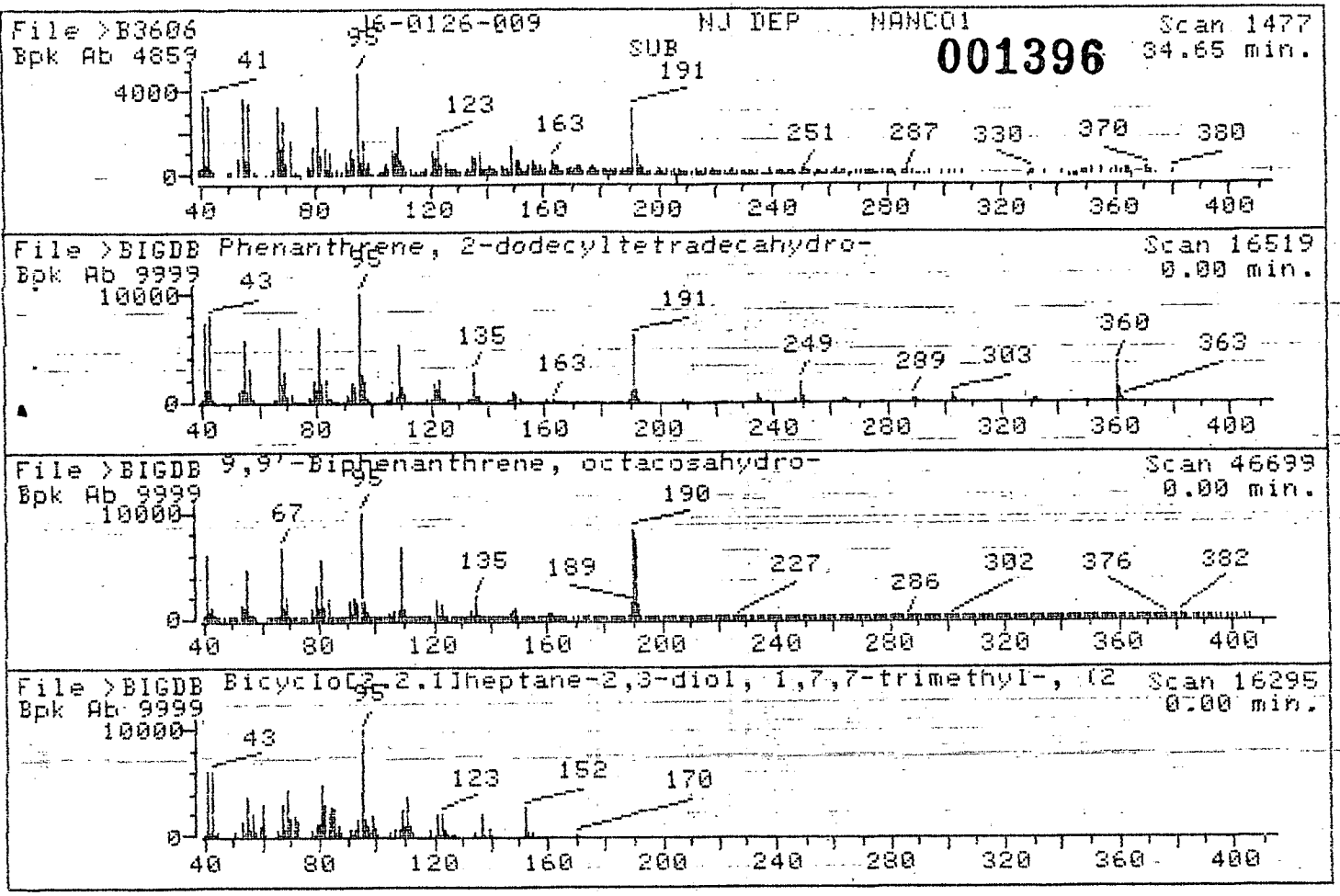


OK.

1. 1H-1,2,4-Triazole 69 C2H3N3
2. 9-Decen-4-ol, 2,9-dimethyl-5-methylene- 196 C13H24O
3. Phosphoramidothioic difluoride, [(dimethylamino)difl 228 C2H6F4N2P2S
   uorophosphoranylidene]-

Sample file: >B3606 Spectrum #: 1462
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	11%	288880	6603	"BIGDB	21	37	2	0	94	61	2	13
2.	11%	69690773	16360	"BIGDB	33	53	2	0	50	61	2	16
3.	11%	27352029	6501	"BIGDB	35	64	2	0	75	61	2	14

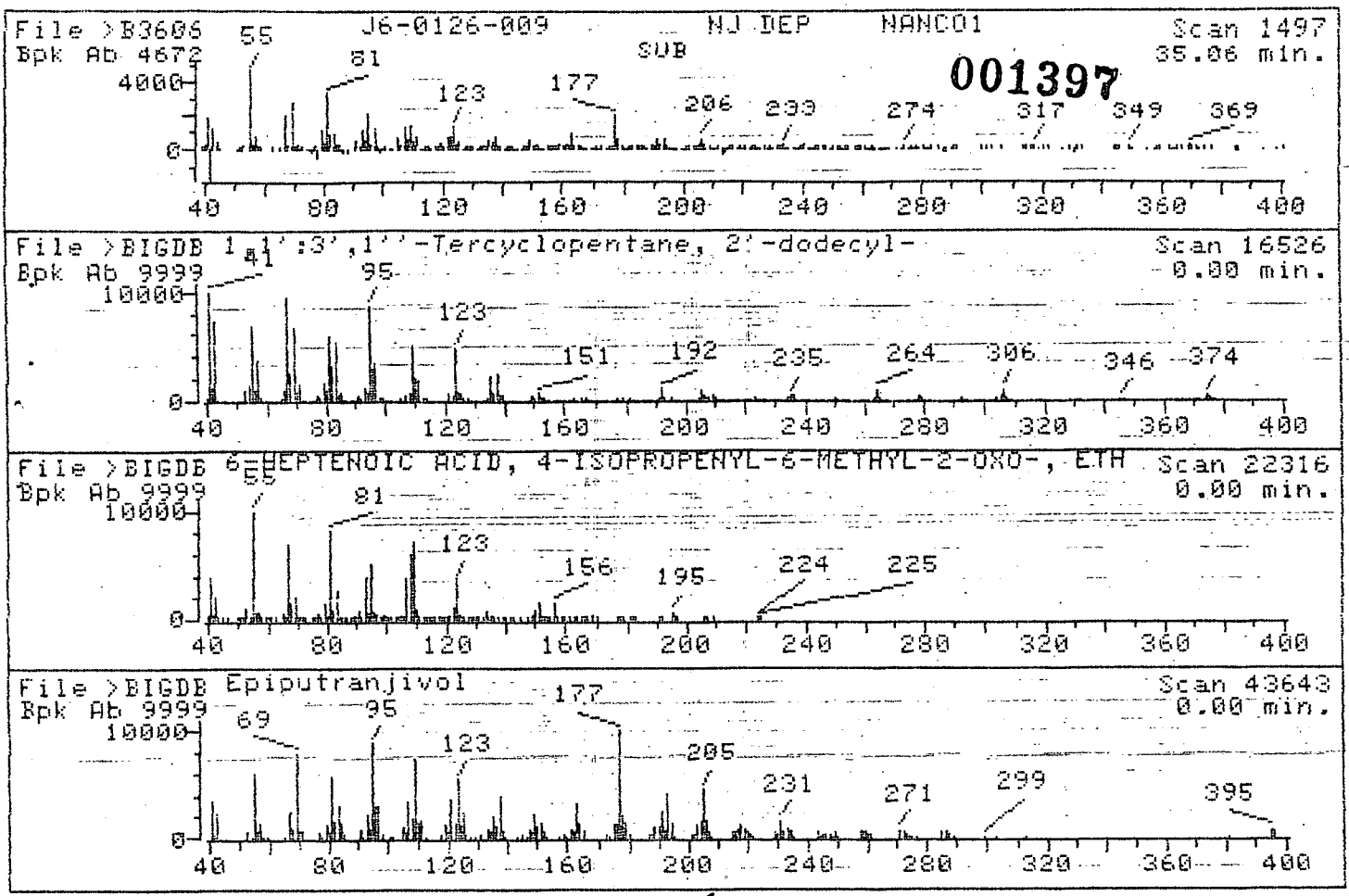


V U.K.

1. Phenanthrene, 2-dodecyltetradecahydro- 360 C26H48
2. 9,9'-Biphenanthrene, octacosahydro- 382 C28H46
3. Bicyclo[2.2.1]heptane-2,3-diol, 1,7,7-trimethyl-, (2-exo,3-endo)- 170 C10H18O2
4. CIS-1-ETHINYL-2-METHYL-1-CYCLOHEXANOLE 138 C9H14O
5. Carbamothioic acid, dimethyl-, S-phenyl ester 181 C9H11NOS

Sample file: >B3606 Spectrum #: 1477
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52	55334220	16519	"BIGDB	76	115	3	0	92	20	20	14
2.	44	55334184	46699	"BIGDB	83	95	3	0	70	24	17	15
3.	25*	56614585	16295	"BIGDB	25	100	3	0	100	48	7	13
4.	25	0	16094	"BIGDB	35	22	2	0	87	46	7	12
5.	24*	7304689	22199	"BIGDB	59	84	3	0	76	51	7	25

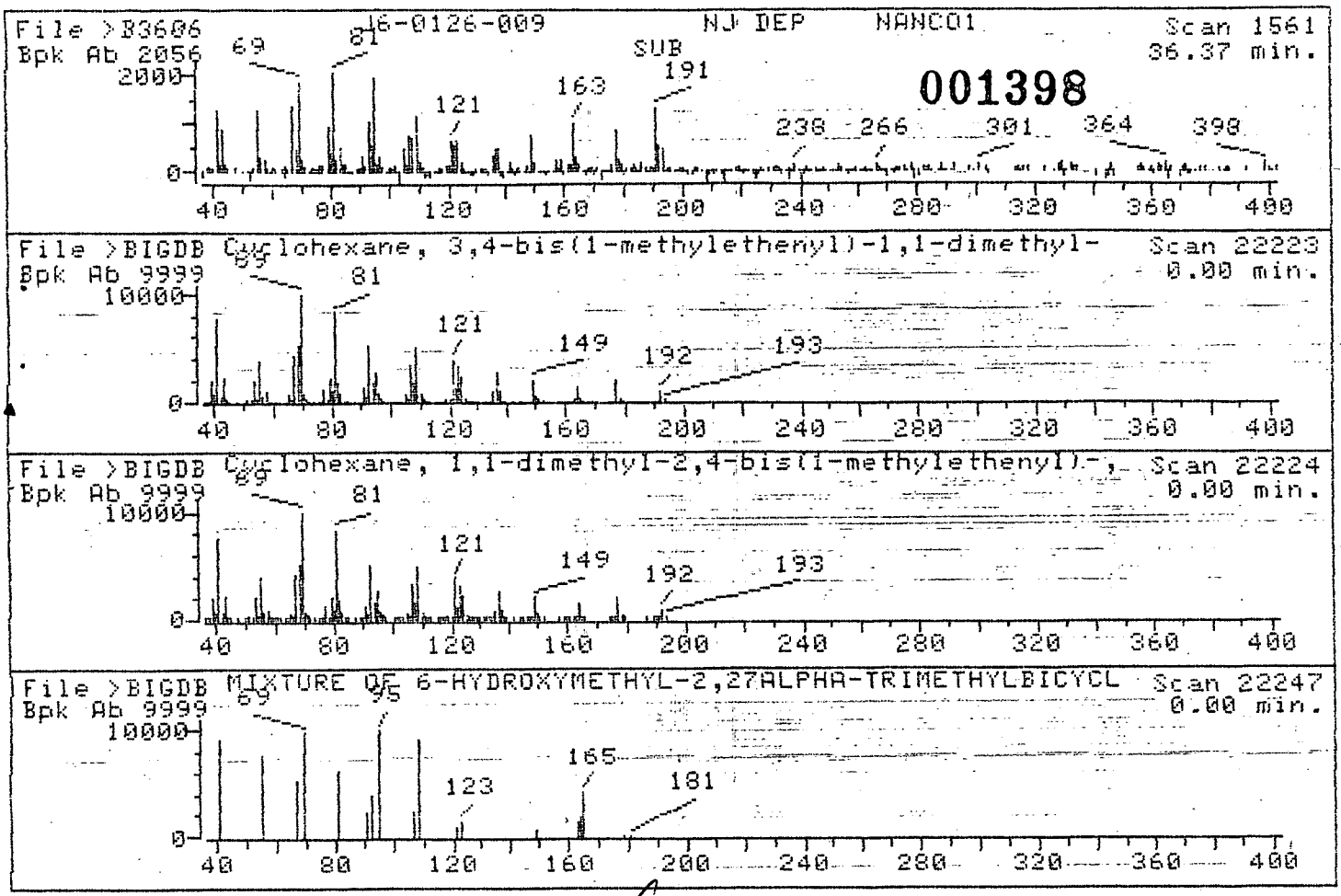


U.K.

1. 1,1':3',1''-Tercyclopentane, 2'-dodecyl- 374 C27H50
2. 6-HEPTENOIC ACID, 4-ISOPROPENYL-6-METHYL-2-OXO-, ETHYLESTER 224 C13H20O3
3. Epiputranjivol 428 C30H52O
4. 1,4-Methanonaphthalene, 6,7-diethyldecahydro-, cis- 206 C15H26
5. 1H-Indene, 2-butyl-5-hexyloctahydro- 264 C19H36

Sample file: >B3606 Spectrum #: 1497
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	59*	55282683	16526	"BIGDB	93	71	3	0	39	39	21	59
2.	40*	0	22316	"BIGDB	58	95	3	0	62	34	16	23
3.	33	18671573	43643	"BIGDB	86	110	3	0	41	31	12	16
4.	33*	16539029	16386	"BIGDB	53	80	3	0	45	31	12	16
5.	30	55044332	16460	"BIGDB	74	78	3	0	45	35	12	13



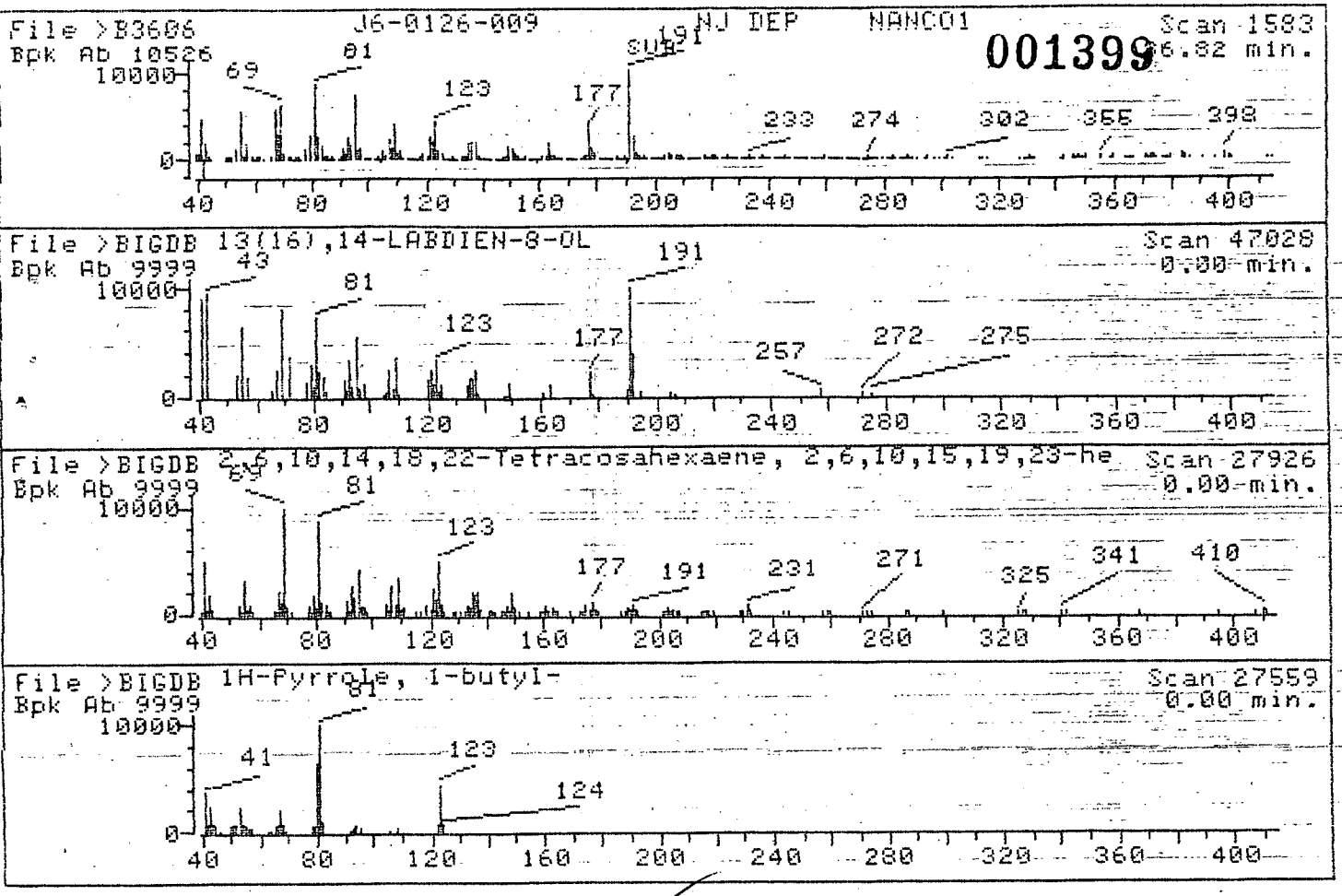
001398

HYDROCARBON

1. Cyclohexane, 3,4-bis(1-methylethenyl)-1,1-dimethyl- 192 C14H24
2. Cyclohexane, 1,1-dimethyl-2,4-bis(1-methylethenyl)-, cis- 192 C14H24
3. MIXTURE OF 6-HYDROXYMETHYL-2,27ALPHA-TRIMETHYLBICYCLO(4.LO[4.3.0]NONANE 196 C13H240
4. MIXTURE OF 6-HYDROXYMETHYL-2,2,7B-TRIMETHYLBICYCLO(4.3.0)NONANE 196 C13H240
5. CIS-1-ETHINYL-2-METHYL-1-CYCLOHEXANOLE 138 C9H140

Sample file: >B3606 Spectrum #: 1561
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	49*	61142743	22223	"BIGDB	71	77	2	0	90	45	17	52
2.	49*	62337988	22224	"BIGDB	71	77	2	0	90	45	17	52
3.	28	0	22247	"BIGDB	58	84	1	0	63	41	8	16
4.	28	0	22246	"BIGDB	58	84	1	0	63	41	8	16



ALCOHOL

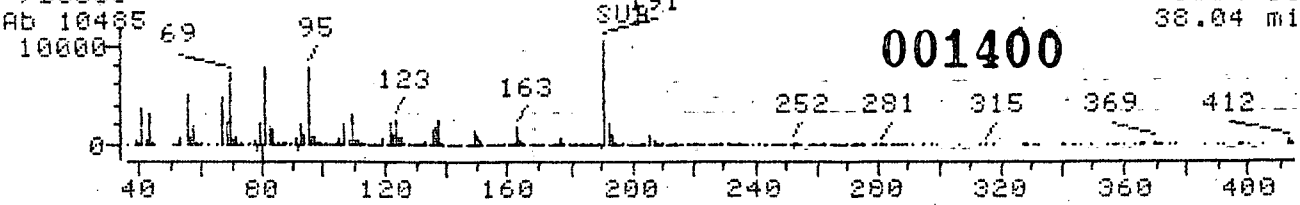
1. 13(16),14-LABDIEN-8-OL 290 C20H340
2. 2,6,10,14,18,22-Tetracosahexaene, 2,6,10,15,19,23-hexamethyl- 410 C30H50
3. 1H-Pyrrole, 1-butyl- 123 C8H13N
4. 2-Decyne 138 C10H18

Sample file: >B3606 Spectrum #: 1583
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25	0	47028	"BIGDB	74	104	3	0	76	42	8	13
2.	18	7683649	27926	"BIGDB	81	104	2	0	56	60	4	22
3.	11*	589333	27559	"BIGDB	29	71	3	0	84	63	2	13
4.	11*	2384705	16114	"BIGDB	33	82	3	0	72	61	2	13

File >B3606 J6-0126-009 NJ DEP NANC01 Scan 1642
Bpk Ab 10465 38.04 min.

001400



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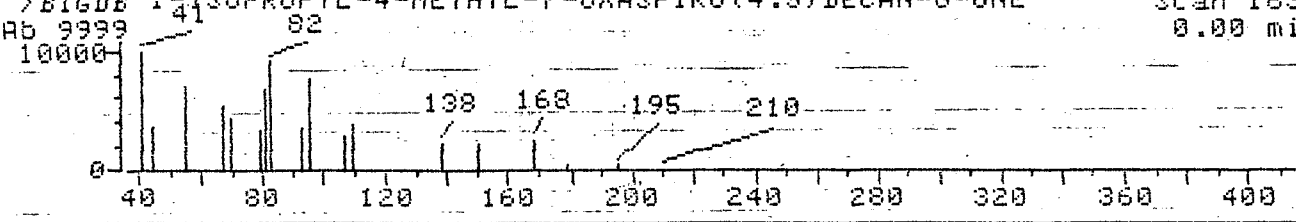
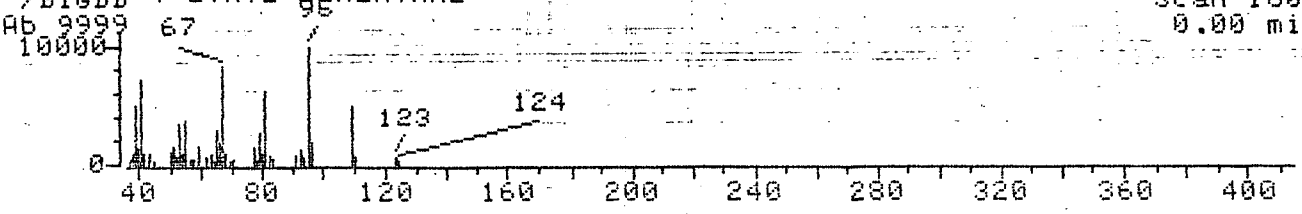
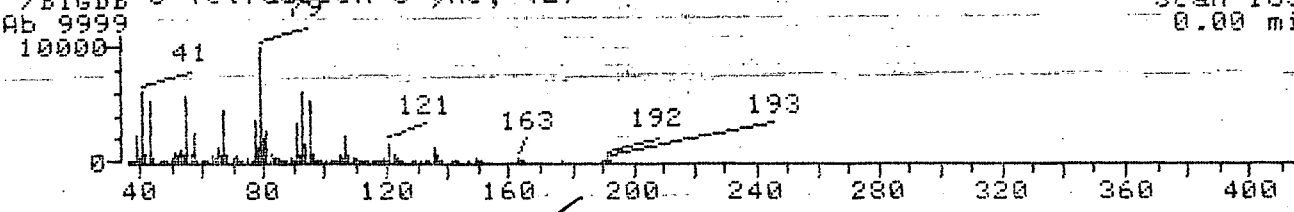
Bpk Ab 9999 0.00 min.



File >BIGDB 4-ETHYL-2-HEXYNAL Scan 16028
Bpk Ab 9999 0.00 min.



File >BIGDB 3-Tetradecen-5-yne, (E)- Scan 16343
Bpk Ab 9999 0.00 min.



U.K.

1.	1-ISOPROPYL-4-METHYL-7-OXASPIRO(4.5)DECAN-8-ONE	210	C13H22O2
2.	4-ETHYL-2-HEXYNAL	124	C8H12O
3.	3-Tetradecen-5-yne, (E)-	192	C14H24
4.	ETHYL 2-OCTYNOATE	168	C10H16O2
5.	2-Decyne	138	C10H18

Sample file: >B3606 Spectrum #: 1642
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	0	16396	"BIGDB	39	103	3	0	69	47	7	13
2.	20*	0	16028	"BIGDB	42	73	3	0	54	53	5	13
3.	20*	74744448	16343	"BIGDB	44	86	3	0	97	52	5	13
4.	20*	0	27655	"BIGDB	36	84	3	0	59	54	5	13
5.	20*	2384705	16114	"BIGDB	23	92	3	0	74	54	5	12

Page No. B3606 J6-126-009 (moisture) 24

	wet	DRY
Benzoic acid	74 J ug/kg	97
Phenanthrene	178 J	230
fluoranthene	230 J	300
pyrene	104 J	140
3,3'-Dichlorobenzidine	682	900
bis (2Eth hex) phth	335	440
chrysene	241	320

001401

SURR

phenol-d5	59 %
2Fl phenol	49
Nitro benz	59
2Fl biph	59
Bromol	55
Terph	65

TIC's b = (40x74) / .76 = 3900

(127184) Ethene, tetrachloro- (6.398) cx=(570807/743001)xb= 3000
unknown alkane (6.906) cx=(535428/ ")xb= 2800
" " (7.109) cx=(896025/ ")xb= 4700
unknown (7.576) cx=(8376434/ ")xb= 44000
" (7.637) cx=(279320/ ")xb= 1500
unknown ketone (8.124) cx=(827636/ ")xb= 4300
unknown (10.883) cx=(391571/ ")xb= 2100
" (12.000) cx=(305654/ ")xb= 1600
" (12.670) cx=(235869/ ")xb= 1200
unknown alkane (22.683) cx=(190177/966220) xb= 770
" " (24.149) cx=(206017/ ")xb= 830
" " (24.250) cx=(224884/ ")xb= 910
unknown (26.820) cx=(369757/ ")xb= 1500
unknown Carboxylic acid (27.617) cx=(206104/ ")xb= 830

Con'd next pg →

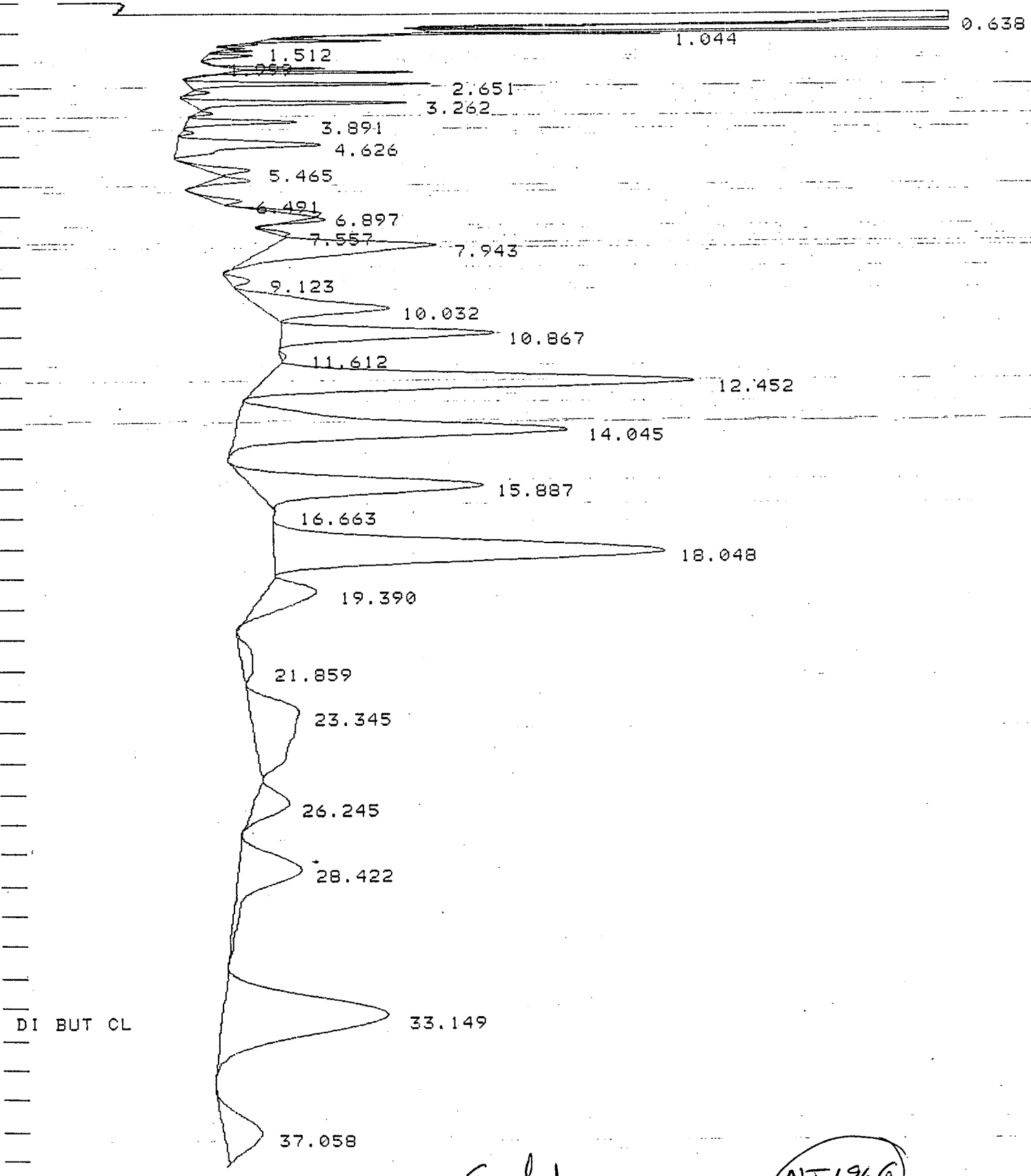
Page No. B 3606 NJ-126-009 Cont'd 001402 (moisture) 24

TIC Cont'd

unknown (31.794) cx = (426660/966220) xb = 1700
unknown alcohol (33.291) cx = (284693/ ") xb = 1200
unknown alkane (33.886) cx = (297939/ ") xb = 1200
unknown (34.338) cx = (250550/ ") xb = 1000
" (34.646) cx = (458524/ ") xb = 1900
" (35.057) cx = (256050/ ") xb = 230
unknown Hydrocarbon (36.372) cx = (281517/ ") xb = 1100
unknown alcohol (36.824) cx = (428888/ ") xb = 1700
unknown (38.036) cx = (687206/ ") xb = 2800

001403

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Seed 1

NJ1969

varian /sunnyvale, calif. p/n 03-906362-00

2

Sed 1 **001404** (NJ196G)

TITLE: PESTICIDE & PCB ANALYSIS 23:18 2 OCT 86

CHANNEL NO: 2 SAMPLE: J6-126-009 METHOD: PEST8Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		13.8446	0.638		88160	0.02	BB	1.30
2		0.1189	0.734		757	0.02	T	0.85
3		0.0455	0.781		290	0.02	T	? 0.45
4		0.1285	0.881		818	0.03	T	1.65
5		6.5020	0.954		41404	0.03	BB	2.20
6		0.4151	1.044		2643	0.03	BB	2.10
7		0.3149	1.256		2005	0.04	BB	3.25
8		0.0540	1.388		344	0.04	BB	2.40
9		0.0437	1.512		278	0.05	BB	3.40
10		0.0716	1.596		456	0.05	BB	3.55
11		0.2056	1.743		1309	0.05	BB	5.85
12		0.2817	2.147		1794	0.06	BB	5.05
13		0.5423	2.272		3453	0.07	BB	4.70
14		1.0947	2.651		6971	0.08	BB	5.70
15		0.1052	2.934		670	0.09	BB	? 8.00
16		1.2420	3.262		7909	0.10	BB	7.45
17		0.0743	3.617		473	0.11	BB	? 10.20
18		0.7668	3.891		4883	0.12	BB	9.65
19		0.0617	4.242		393	0.13	BB	8.20
20		1.8408	4.626		11722	0.14	BB	? 14.90
21		0.4279	5.465		2725	0.16	BB	? 14.60
22		0.3425	5.820		2181	0.18	BB	? 19.50
23		0.2261	6.491		1440	0.20	BB	? 19.90
24		0.2776	6.897		1768	0.21	BB	? 22.90
25		0.1972	7.101		1256	0.21	BB	? 9.40
26		0.0922	7.557		587	0.23	BB	? 22.50
27		3.5034	7.943		22309	0.24	BB	? 51.90
28		0.2219	9.123		1413	0.28	BB	? 29.60
29		2.7469	10.032		17492	0.30	BB	49.70
30		3.6628	10.867		23324	0.33	BB	31.75
31		0.0496	11.612		316	0.35	BB	? 17.90
32		9.8475	12.452		62707	0.38	BB	34.45
33		9.2069	14.045		58628	0.42	BB	38.60
34		5.9998	15.887		38206	0.48	BB	42.85
35		12.5988	18.048		80227	0.54	BB	50.10
36		1.9902	19.390		12673	0.58	BB	?101.30
37		0.5661	21.859		3605	0.66	BB	?111.60
38		3.8449	23.345		24484	0.70	BB	? 97.90
39		1.2667	26.245		8066	0.79	BB	? 68.30
40		3.3211	28.422		21148	0.86	BB	?110.95
41	DI BUT CL	10.0477	33.149	0.149	63982	1.00	BB	92.80
42		1.8083	37.058		11515	1.12	VB	?123.10
TOTALS:		100.0000		0.149	636784			

DETECTED PKS: 45 REJECTED PKS: 3

MULTIPLIER: 1.00000

NOISE: 9.7 OFFSET: -223

RACK: 3 VIAL: 3 INJ: 1

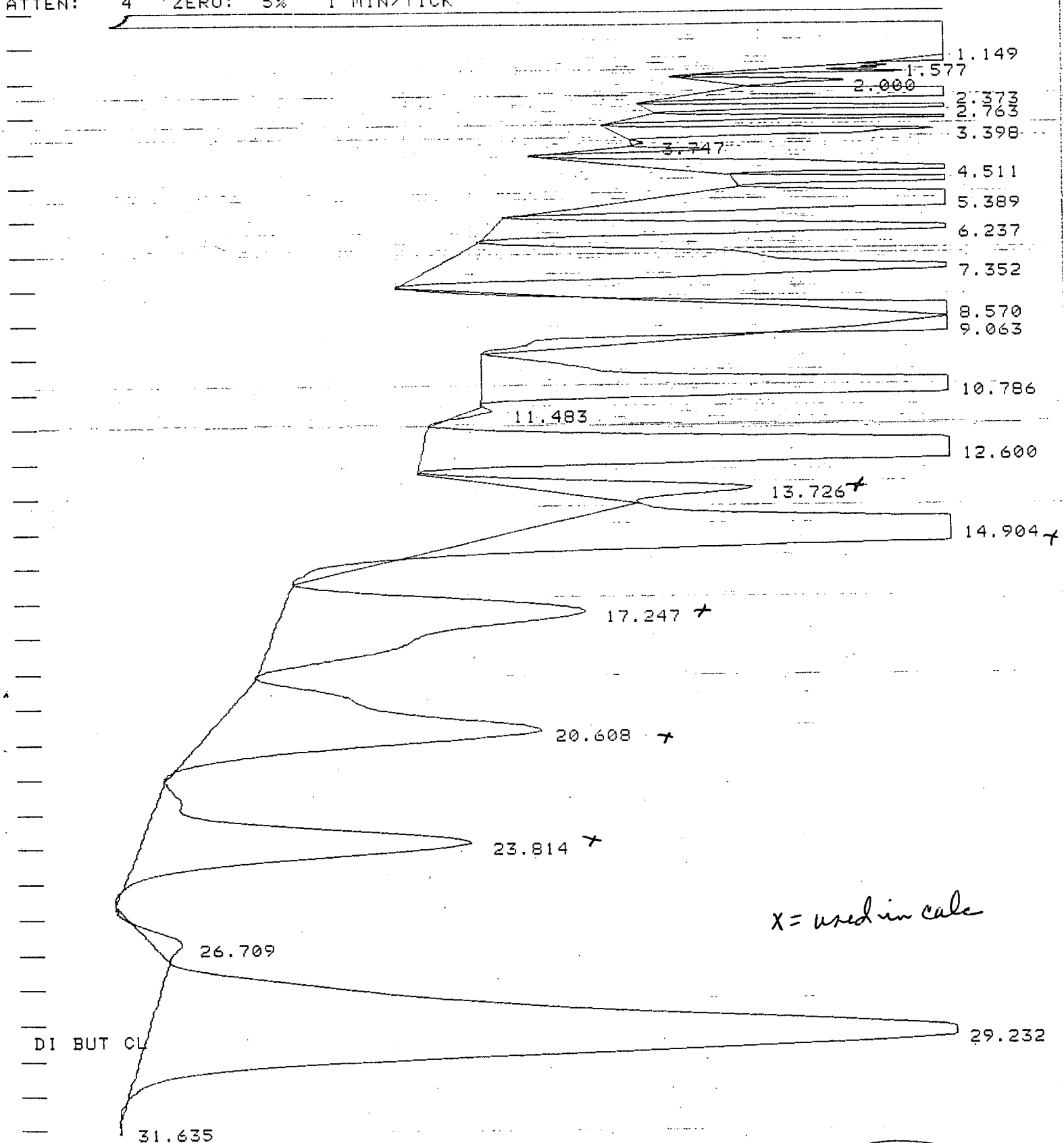
SAVED FILE: PEST8Q002

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 30ML/MIN
ANALYST: S. EASTER

varian /sunnyvale,calif.p/n 03-906362-00

001405

CHART SPEED 0.7 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



X = used in calc

Sed 1

NJ193C

varian /sunnyvale, calif. p/n 03-906362-00

8

Sed 1 **001406** (NJ193C)

TITLE: PESTICIDE & PCB ANALYSIS 22:58 1 OCT 86

CHANNEL NO: 1 SAMPLE: J6-0126-009 METHOD: PEST3C

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		9.5181	1.149		212078	0.04	BB	3.30
2		0.9499	1.374		21165	0.05	BB	3.75
3		0.0364	1.577		812	0.05	T	2.40
4		0.0638	1.654		1421	0.06	T	1.45
5		0.1686	1.747		3756	0.06	T	2.85
6		0.2735	2.000		6093	0.07	BB	? 13.50
7		4.5619	2.373		101646	0.08	BB	? 12.35
8		0.6926	2.763		15433	0.09	BB	6.55
9		0.5531	3.067		12325	0.10	BB	6.75
10		0.8592	3.398		19144	0.12	BB	13.80
11		0.1969	3.941		4387	0.14	BB	? 4.40
12		1.2739	4.511		28384	0.15	BB	? 18.10
13		0.7232	4.819		16114	0.16	BB	13.55
14		15.7836	5.389		351685	0.18	BB	12.05
15		2.1361	6.237		47596	0.21	BB	19.65
16		4.5013	7.352		100296	0.25	BB	? 31.75
17		0.9881	8.570		22016	0.29	BB	? 29.60
18		1.6158	9.063		36002	0.31	BB	? 27.30
19		6.6555	10.786		148296	0.37	BB	24.80
20		0.0829	11.483		1847	0.39	BB	? 36.50
21		8.0979	12.600		180434	0.43	BB	36.15
22		1.1424	13.726		25454	0.47	BB	? 30.10
23		9.5594	14.904		213000	0.51	BB	38.05
24		4.8439	17.247		107930	0.59	BB	59.80
25		4.9067	20.608		109330	0.70	BB	53.10
26		4.1980	23.814		93538	0.81	BB	50.20
27		0.1967	26.709		4382	0.91	BB	? 55.60
28	DI BUT CL	15.4208	29.232	0.212	343601	1.00	BB	79.85
TOTALS:		100.0000		0.212	2228170			

DETECTED PKS: 30 REJECTED PKS: 2

MULTIPLIER: 1.00000

NOISE: 13.4 OFFSET: 2336

RACK: 3 VIAL: 13 INJ: 1

SAVED FILE: PEST3C045

ERRORS:
ADC OVERANGE

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

001146

SAMPLE DATA

S-4

ORGANICS ANALYSIS DATA SHEET

(PAGE 1)

SAMPLE NUMBER

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3324
Sample Matrix: SOIL
Data Release Authorized By: Sohail Jafrani

Case No: N.J. D.E.P.
QC Report No: 008, 009
Contract No: N/A
Date Sample Received: 9/19/86

S-4

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/24/86
Date Analyzed: 09/24/86
Conc/Dil Factor: 1 pH: 7.4
Percent Moisture: 56

001147

CAS Number		ug/l or ug/Kg (Circle One)	CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10.0 U	79-34-5	1,1,2,2-Tetrachloroethane	5.0 U
74-83-9	Bromomethane	10.0 U	78-87-5	1,2-Dichloropropane	5.0 U
75-01-4	Vinyl Chloride	10.0 U	10061-02-6	Trans-1,3-Dichloropropene	5.0 U
75-00-3	Chloroethane	10.0 U	79-01-6	Trichloroethene	5.0 U
75-09-2	Methylene Chloride	9.0	124-48-1	Dibromochloromethane	5.0 U
67-64-1	ACETONE	96.0 B	79-00-5	1,1,2-Trichloroethane	5.0 U
75-15-0	Carbon Disulfide	5.0 U	71-43-2	Benzene	5.0 U
75-35-4	1,1-Dichloroethene	5.0 U	10061-01-5	cis-1,3-Dichloropropene	5.0 U
75-34-3	1,1-Dichloroethane	5.0 U	110-75-8	2-Chloroethylvinylether	10.0 U
156-60-5	Trans-1,2-Dichloroethene	5.0 U	75-25-2	Bromoform	5.0 U
67-66-3	Chloroform	5.0 U	591-78-6	2-Hexanone	10.0 U
107-06-2	1,2-Dichloroethane	5.0 U	108-10-1	4-Methyl-2-Pentanone	10.0 U
78-93-3	2-Butanone	10.0 U	127-18-4	Tetrachloroethene	5.0 U
71-55-6	1,1,1-Trichloroethane	5.0 U	108-88-3	Toluene	15.0
56-23-5	Carbon Tetrachloride	5.0 U	108-90-7	Chlorobenzene	5.0 U
108-05-4	Vinyl Acetate	10.0 U	100-41-4	Ethylbenzene	13.0
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	5.0 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE

If the result is a value greater than or equal to the detection limit, report the value.

U

Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U(e.g.10U based on necessary concentration dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read U-Compound was analyzed for but not detected.The number is the minimum attainable detection limit for the sample.

J

Indicates an estimated value.This flag is used either when estimating a concentration for tentatively identified compounds where a 1 1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero (e.g. 10J).

C

This flag applies to pesticide parameters where the identification has been confirmed by GC/MS Single component pesticides greater than or equal to 10 ng/ul in the final extract should be confirmed by GC/MS

B

This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

OTHER

Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

ORGANIC ANALYSIS DATA SHEET
(PAGE 2)

LABORATORY NAME: NANCO LABS. INC.
CASE NO: N.J. D.E.P.

001148

SAMPLE NO.
S-4

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/24/86
Date Analyzed: 10/28/86
Conc/Dil Factor:----------> 2
Percent Moisture: 56

GPC Cleanup: Yes X No____
Separatory Funnel Extraction: Yes____
Continuous Liquid - Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	660.0 U
108-95-2	Phenol	660.0 U
111-44-4	bis(-2-Chloroethyl)Ether	660.0 U
95-57-8	2-Chlorophenol	660.0 U
541-73-1	1,3-Dichlorobenzene	660.0 U
106-46-7	1,4-Dichlorobenzene	660.0 U
100-51-6	Benzyl Alcohol	660.0 U
95-50-1	1,2-Dichlorobenzene	660.0 U
95-48-7	2-Methylphenol	660.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	660.0 U
106-44-5	4-Methylphenol	660.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	660.0 U
67-72-1	Hexachloroethane	660.0 U
98-95-3	Nitrobenzene	660.0 U
78-59-1	Isophorone	8700.0
88-75-5	2-Nitrophenol	3400.0
105-67-9	2,4-Dimethylphenol	1500.0
65-85-0	Benzoic Acid	3200.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	660.0 U
120-83-2	2,4-Dichlorophenol	660.0 U
120-82-1	1,2,4-Trichlorobenzene	660.0 U
91-20-3	Naphthalene	660.0 U
106-47-8	4-Chloroaniline	660.0 U
87-68-3	Hexachlorobutadiene	660.0 U
59-50-7	4-Chloro-3-Methylphenol	6600.0
91-57-6	2-Methylnaphthalene	35000.0
77-47-4	Hexachlorocyclopentadiene	660.0 U
88-06-2	2,4,6-Trichlorophenol	660.0 U
95-95-4	2,4,5-Trichlorophenol	3200.0 U
91-58-7	2-Chloronaphthalene	660.0 U
88-74-4	2-Nitroaniline	3200.0 U
131-11-3	Dimethyl Phthalate	660.0 U
208-96-8	Acenaphthylene	660.0 U
99-09-2	3-Nitroaniline	2100.0 j

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	12000.0
51-28-5	2,4-Dinitrophenol	3200.0 U
100-02-7	4-Nitrophenol	3200.0 U
132-64-9	Dibenzofuran	3400.0
121-14-2	2,4-Dinitrotoluene	30000.0
606-20-2	2,6-Dinitrotoluene	660.0 U
84-66-2	Diethylphthalate	660.0 U
7005-72-3	4-Chlorophenyl-phenylether	660.0 U
86-73-7	Fluorene	660.0 U
100-01-6	4-Nitroaniline	3200.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	3200.0 U
86-30-6	N-Nitrosodiphenylamine (1)	660.0 U
101-55-3	4-Bromophenyl-phenylether	660.0 U
118-74-1	Hexachlorobenzene	660.0 U
87-86-5	Pentachlorophenol	3200.0 U
85-01-8	Phenanthrene	25000.0
120-12-7	Anthracene	660.0 U
84-74-2	Di-n-Butylphthalate	660.0 U
206-44-0	Fluoranthene	6700.0
129-00-0	Pyrene	9300.0
85-68-7	Butylbenzylphthalate	660.0 U
91-94-1	3,3'-Dichlorobenzidine	1320.0 U
56-55-3	Benzo(a)Anthracene	660.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	660.0 U
218-01-9	Chrysene	660.0 U
117-84-0	Di-n-Octyl Phthalate	660.0 U
205-99-2	Benzo(b)Fluoranthene	660.0 U
207-08-9	Benzo(k)Fluoranthene	660.0 U
50-32-8	Benzo(a)Pyrene	660.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	660.0 U
53-70-3	Dibenz(a,h)Anthracene	660.0 U
191-24-2	Benzo(g,h,i)Perylene	660.0 U

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

S4 DIL 10X

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

PESTICIDE/PCBs 001149

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/24/86
Date Analyzed: 10/2/86
Conc/Dil Factor: -----> 20
Percent Moisture: 56

GPC Cleanup: Yes_X_ No___
Separatory Funnel Extraction: Yes_X_ SD
Continuous Liquid-Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	160.00 U
319-85-7	Beta-BHC	160.00 U
319-86-8	Delta-BHC	160.00 U
58-89-9	Gamma-BHC (Lindane)	160.00 U
76-44-8	Heptachlor	160.00 U
309-00-2	Aldrin	160.00 U
1024-57-3	Heptachlor Epoxide	160.00 U
959-98-8	Endosulfan I	160.00 U
60-57-1	Dieldrin	320.00 U
72-55-9	4,4'-DDE	320.00 U
72-20-8	Endrin	320.00 U
33213-65-9	Endosulfan II	320.00 U
72-54-8	4,4'-DDD	320.00 U
7421-93-4	Endrin Aldehyde	320.00 U
1031-07-8	Endosulfan Sulfate	320.00 U
50-29-3	4,4'-DDT	320.00 U
53494-70-5	Endrin Ketone	320.00 U
72-43-5	Methoxychlor	1600.00 U
57-74-9	Chlordane	1600.00 U
8001-35-2	Toxaphene	3200.00 U
12674-11-2	Aroclor-1016	1600.00 U
11104-28-2	Aroclor-1221	1600.00 U
11141-16-5	Aroclor-1232	1600.00 U
53469-21-9	Aroclor-1242	1600.00 U
12672-29-6	Aroclor-1248	1600.00 U
11097-69-1	Aroclor-1254	3200.00 U
11096-82-5	Aroclor-1260	3200.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 400000 Vi 3

FORM I

ORGANICS ANALYSIS DATA SHEET
(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.
CASE NO: NJ DEP

S4 DIL 100X

PESTICIDE/PCBs 001150

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/24/86
Date Analyzed: 10/2/86
Conc/Dil Factor: -----> 200
Percent Moisture: 56

GPC Cleanup: Yes_X_ No____
Separatory Funnel Extraction: Yes_X_ (SD)
Continuous Liquid-Liquid Extraction: Yes____

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	1600.00 U
319-85-7	Beta-BHC	1600.00 U
319-86-8	Delta-BHC	1600.00 U
58-89-9	Gamma-BHC (Lindane)	1600.00 U
76-44-8	Heptachlor	1600.00 U
309-00-2	Aldrin	1600.00 U
1024-57-3	Heptachlor Epoxide	1600.00 U
959-98-8	Endosulfan I	1600.00 U
60-57-1	Dieldrin	3200.00 U
72-55-9	4,4'-DDE	3200.00 U
72-20-8	Endrin	3200.00 U
33213-65-9	Endosulfan II	3200.00 U
72-54-8	4,4'-DDD	3200.00 U
7421-93-4	Endrin Aldehyde	3200.00 U
1031-07-8	Endosulfan Sulfate	3200.00 U
50-29-3	4,4'-DDT	3200.00 U
53494-70-5	Endrin Ketone	3200.00 U
72-43-5	Methoxychlor	16000.00 U
57-74-9	Chlordane	16000.00 U
8001-35-2	Toxaphene	32000.00 U
12674-11-2	Aroclor-1016	16000.00 U
11104-28-2	Aroclor-1221	16000.00 U
11141-16-5	Aroclor-1232	16000.00 U
53469-21-9	Aroclor-1242	16000.00 U
12672-29-6	Aroclor-1248	16000.00 U
11097-69-1	Aroclor-1254	32000.00 U
11096-82-5	Aroclor-1260	32000.00 U

Vi = Volume of extract injected (ul)

Vs = Volume of water extracted (ml)

Ws = Weight of sample extracted (g)

Vt = Volume of total extract (ul)

Vs _____ or Ws 30 Vt 4000000 Vi 3

FORM I

~~FORM I, PART~~ B wq

001151

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER

S-4

PAGE 1

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. D.E.P.

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN HYDROCARBON	VOA	18.10	24.0 J
3	107835	PENTANE, 2-METHYL	VOA	21.18	30.0 J
4	110543	HEXANE	VOA	22.80	37.0 J
5	-----	UNKNOWN HYDROCARBON	VOA	23.88	520.0 J
6	-----	UNKNOWN	VOA	25.95	220.0 J
7	-----	UNKNOWN	VOA	28.34	230.0 J
8	-----	UNKNOWN HYDROCARBON	VOA	29.11	650.0 J
9	-----	UNKNOWN	VOA	29.72	100.0 J
10	2207047	CYCLOHEXANE,1,4-DIMETHYL	VOA	30.65	77.0 J
11	-----	UNKNOWN	VOA	31.34	380.0 J
12	-----	UNKNOWN HYDROCARBON	VOA	32.80	180.0 J
13	-----	UNKNOWN	VOA	34.26	480.0 J
14	-----	UNKNOWN	VOA	35.49	540.0 J
15	-----	UNKNOWN	VOA	37.57	810.0 J
16	-----	UNKNOWN	VOA	39.19	1200.0 J
17	-----	UNKNOWN	VOA	43.03	550.0 J
18	-----	UNKNOWN	VOA	40.80	110.0 J
19	-----	UNKNOWN	VOA	41.88	210.0 J
20	-----	UNKNOWN HYDROCARBON	VOA	43.03	680.0 J
21	-----	UNKNOWN	VOA	44.34	760.0 J
22	-----	UNKNOWN	VOA	46.58	1060.0 J
23					
24					
25					
26					
27					
28					
29					
30					

Form I, part B

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER

LABORATORY NAME :NANCO LABS.INC.
CASE NO: N.J. D.E.P.

S-4

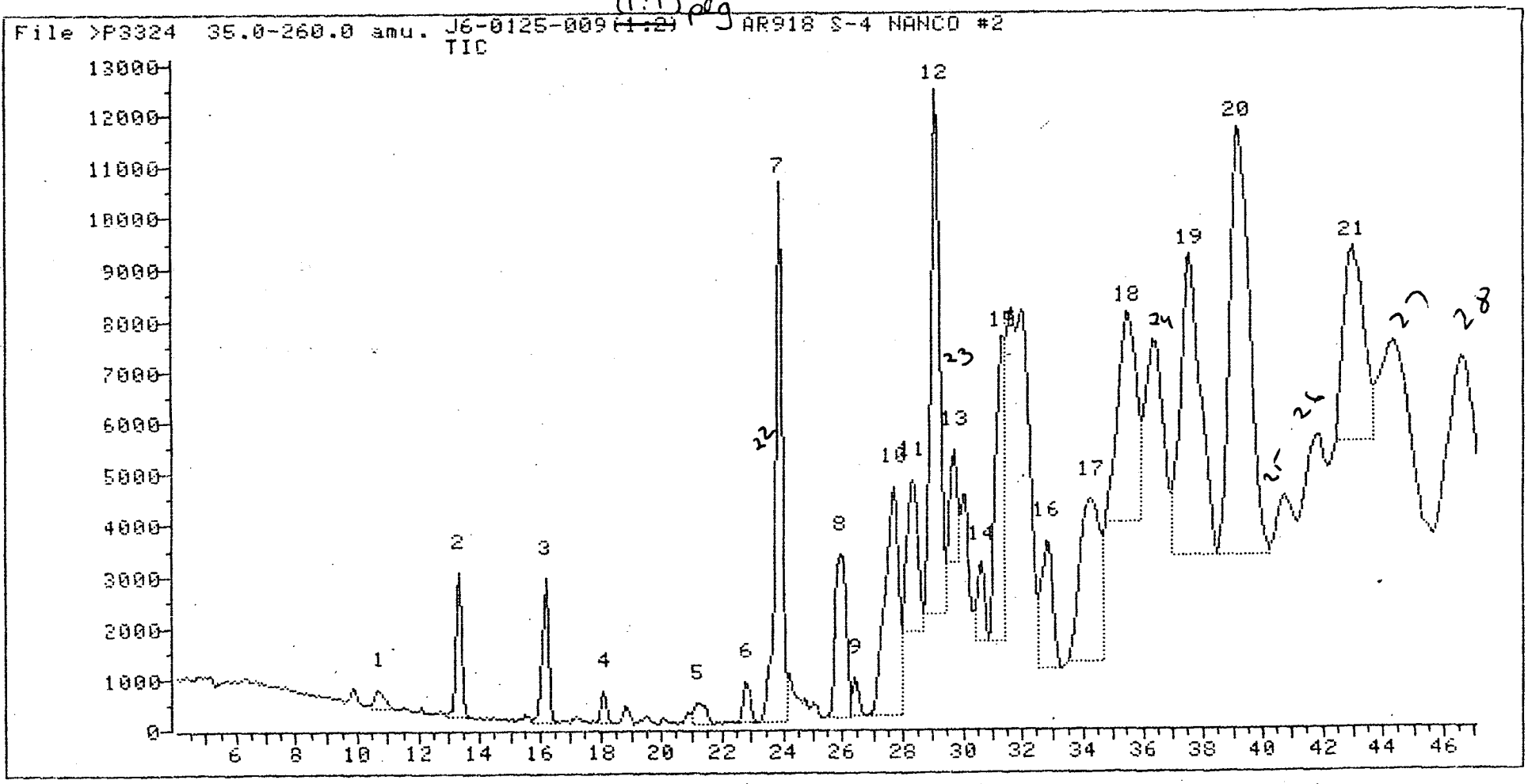
PAGE 2

Tentatively Identified Compounds

001152

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/Kg)
1					
2	-----	UNKNOWN KETONE	BNA	8.27	9300.0 J
3	123422	2-PENTANONE,4-HYDROXY-4-METHYL	BNA	8.65	107000.0 J B
4	-----	UNKNOWN	BNA	10.99	6900.0 J
5	-----	UNKNOWN	BNA	11.77	10000.0 J
6	-----	UNKNOWN KETONE	BNA	12.08	9200.0 J
7	-----	UNKNOWN AROMATIC	BNA	12.61	6100.0 J
8	-----	UNKNOWN ALKANE	BNA	13.30	4800.0 J
9	-----	UNKNOWN	BNA	13.53	27000.0 J
10	-----	UNKNOWN ALCOHOL	BNA	14.07	86000.0 J
11	-----	UNKNOWN ALKANE	BNA	14.26	13000.0 J
12	-----	UNKNOWN AROMATIC	BNA	14.58	26000.0 J
13	-----	UNKNOWN AROMATIC	BNA	14.73	11000.0 J
14	-----	UNKNOWN ALKANE	BNA	15.07	46000.0 J
15	-----	UNKNOWN ALKANE	BNA	15.42	73000.0 J
16	-----	UNKNOWN	BNA	15.70	41000.0 J
17	-----	UNKNOWN ALKANE	BNA	17.50	87000.0 J
18	-----	UNKNOWN AROMATIC	BNA	16.03	8800.0 J
19	-----	UNKNOWN ALKANE	BNA	16.23	85000.0 J
20	-----	UNKNOWN ALKANE	BNA	18.31	31000.0 J
21	-----	UNKNOWN ALKANE	BNA	25.75	14000.0 J
22	-----	UNKNOWN ALKANE	BNA	30.78	3300.0 J
23	-----	UNKNOWN ALKANE	BNA	32.11	5700.0 J
24	-----	UNKNOWN ALKENE	BNA	35.97	2100.0 J
25	-----	UNKNOWN	BNA	40.87	6500.0 J
26	-----	UNKNOWN	BNA	41.85	9800.0 J
27					
28					
29					
30					

Int 15:16 9/24/96



PK#		
2	BROMOCHLOROMETHANE	(IS
22	1,4-DIFLUOROBENZENE	(IS
23	CHLOROBENZENE-d5	(IS
3	1,2-DICHLOROETHANE-d4	(SR
10	TOLUENE-d8	(SR
24	4-BROMOFLUOROBENZENE	(SR

001453

QUANT REPORT

Operator ID: DALY
Output File: ^P3324::D3
Data File: >P3324::D2
Name: J6-0125-009([redacted]
Misc: AR918 S-4 NANCO #2

Quant Rev: 4
Quant Time: 860924 16:17
Injected at: 860924 15:16
Dilution Factor: 1.000

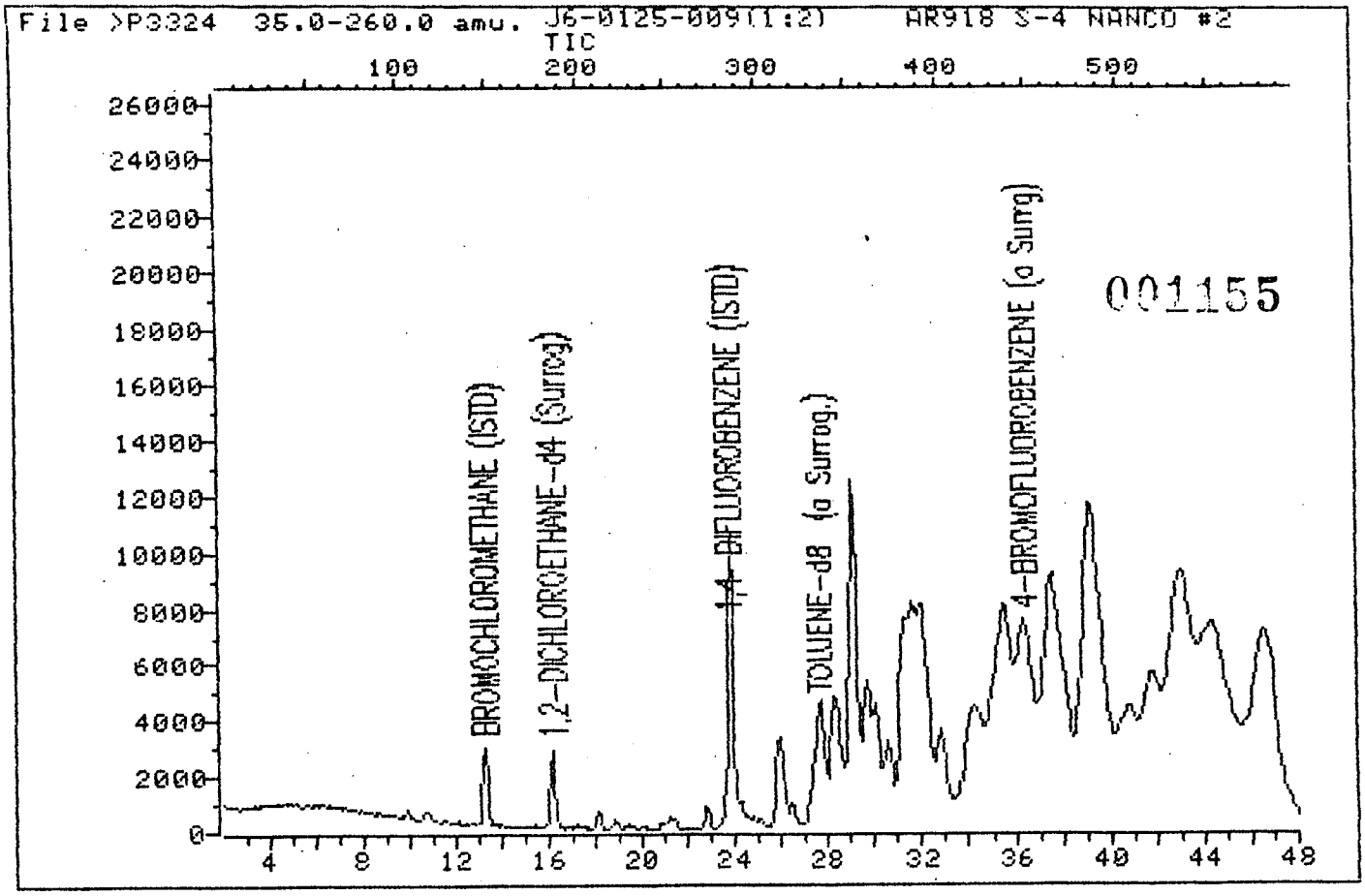
ID File: IDEPA2:PK:NA
Title: IDEPA VOA
Last Calibration: 860924 11:18

001154

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	13.34	147	4739	50.00	UG	69
6)	Methylene Chloride	9.88	102	872	4.08	UG	89
7)	Acetone	10.72	113	5237	42.41	UG	73
14)	*1,4-DIFLUOROBENZENE (ISTD)	23.80	283	16254	50.00	UG	96
~~15)~~	~~2-Butanone~~	~~16.18~~	~~184~~	~~701~~	~~25.42~~	~~UG~~	~~85~~
29)	*CHLOROBENZENE-d5 (ISTD)	29.18	353	7012M	50.00	UG	
34)	Toluene	27.88	336	992	6.48	UG	98
36)	Ethylbenzene	31.18	379	480	5.54	UG	37
39)	TOLUENE-d8 (a Surrog.)	27.64	333	10415M	54.91	UG	88
40)	4-BROMOFLUOROBENZENE (a Surrg)	36.42	447	6275M	51.15	UG	57
41)	*[BROMOCHLOROMETHANE (ISTD)]	13.34	147	4739	50.00	UG	69
42)	1,2-DICHLOROETHANE-d4 (Surrog)	16.18	184	11436	47.36	UG	94
	~~[illegible]~~	~~[illegible]~~		~~[illegible]~~	~~[illegible]~~		

* Compound is ISTD

TOTAL ION CHROMATOGRAM

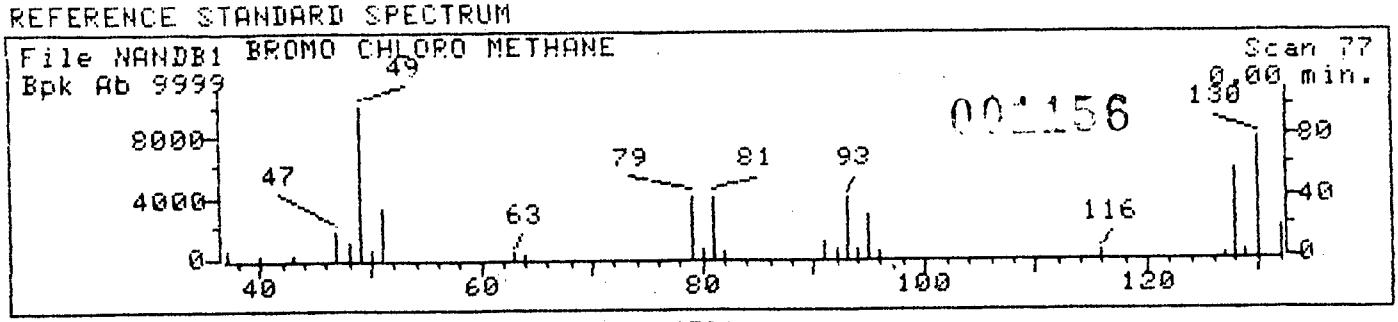


Data File: >P3324::D2
Name: J6-0125-009(
Misc: AR918 S-4 NANCO #2

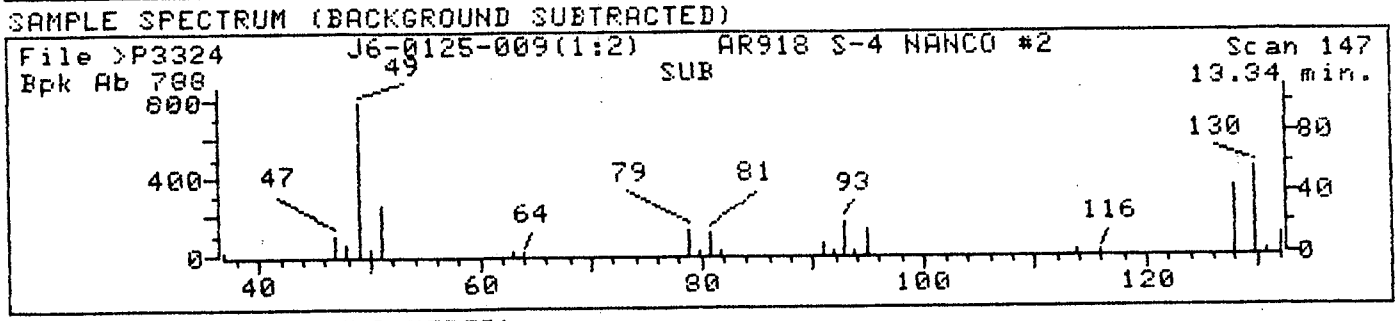
Id File: IDEPA2:PK:NA
Title: IDEPA VOA
Last Calibration: 860924 11:18

Operator ID: DALY
Quant Time: 860924 16:17
Injected at: 860924 15:16

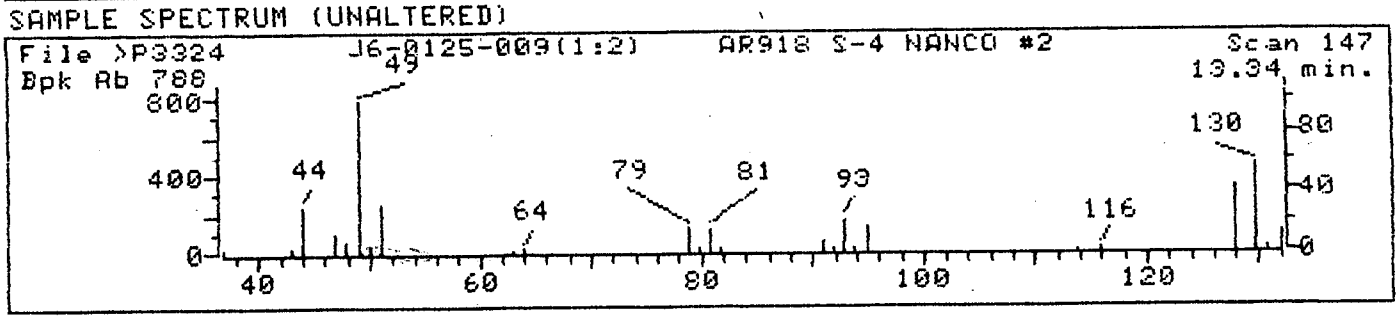
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

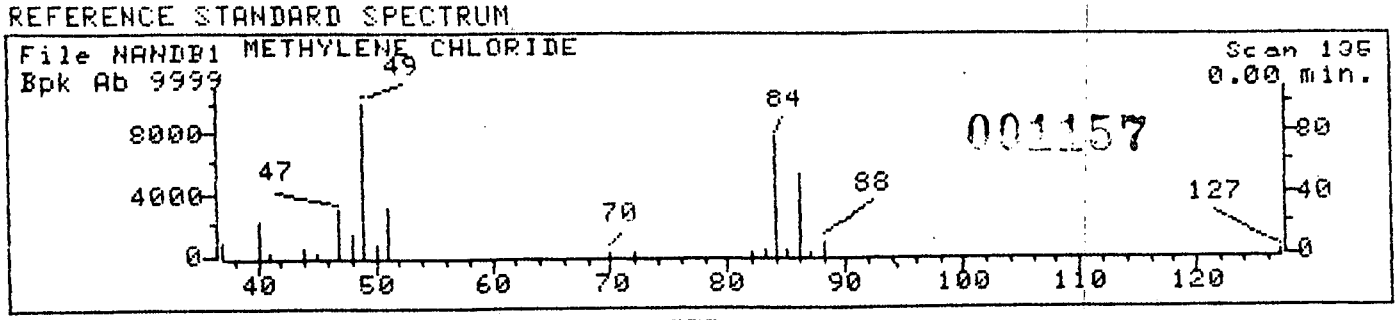


Data File: >P3324::D2
Name: J6-0125-009
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

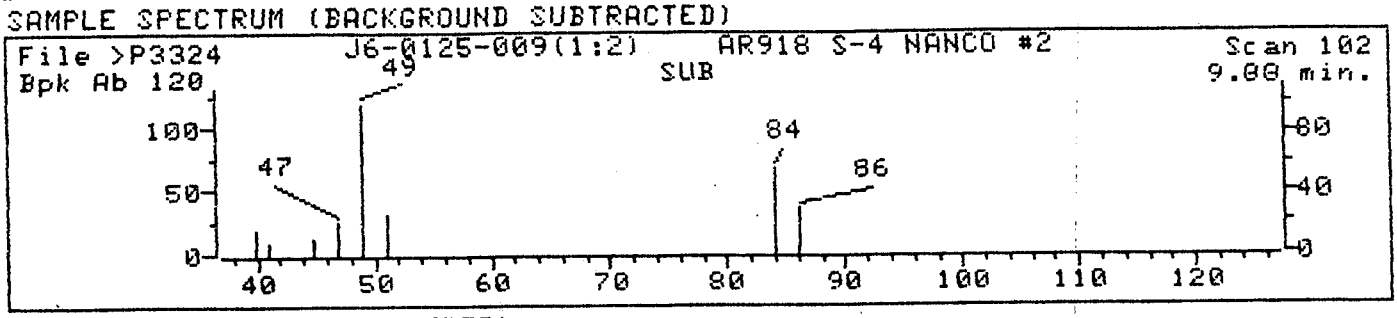
Compound No: 1 (ISTD)
Compound Name: BROMOCHLOROMETHANE (ISTD)
Scan Number: 147
Retention Time: 13.34 min.
Area: 4739
Concentration: 50.00 UG
q-value: 69

plg

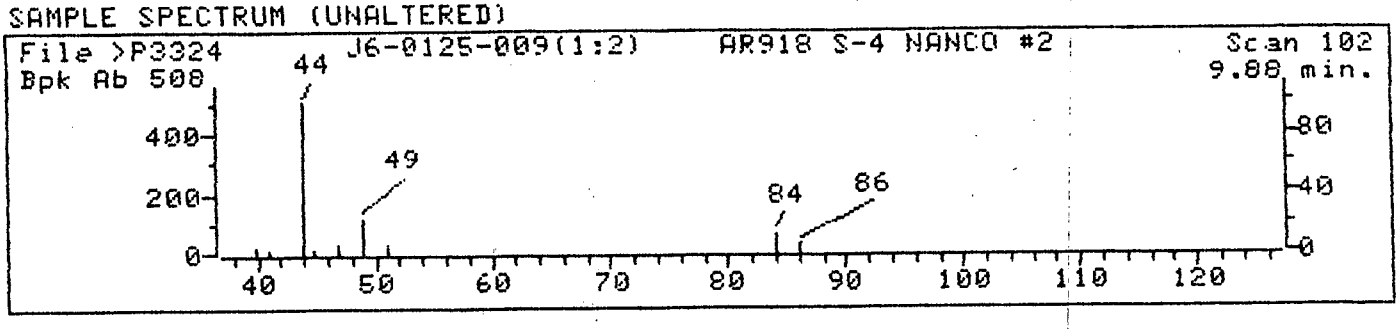
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

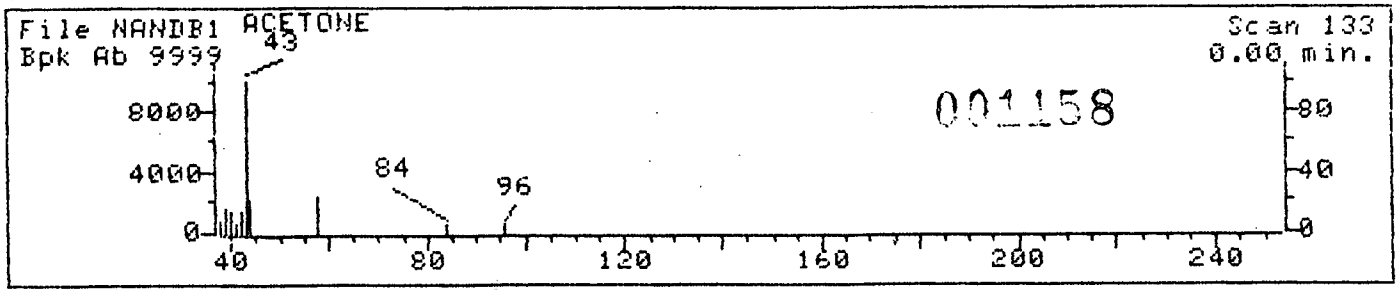


Data File: >P3324::D2
Name: J6-0125-009(~~1:2~~)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

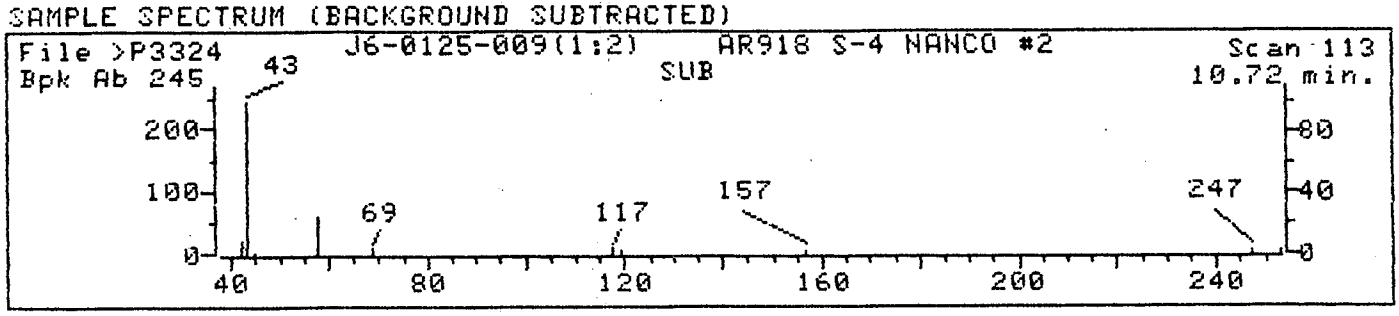
Compound No: 6
Compound Name: Methylene Chloride
Scan Number: 102
Retention Time: 9.88 min.
Area: 872
Concentration: 4.08 UG
q-value: 89

plg

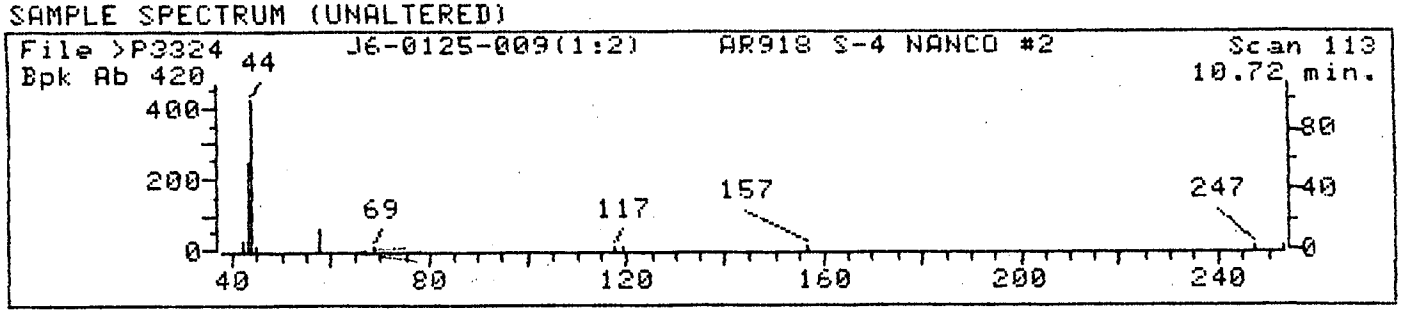
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

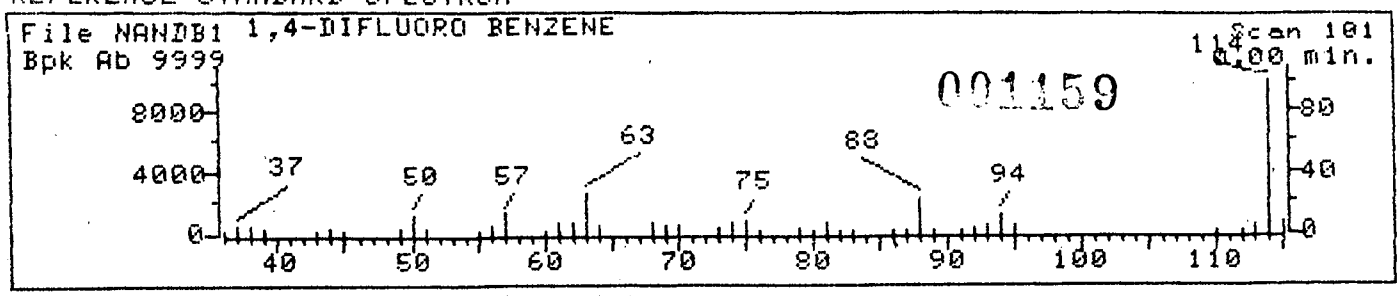


Data File: >P3324::D2
Name: J6-0125-009(1:2)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

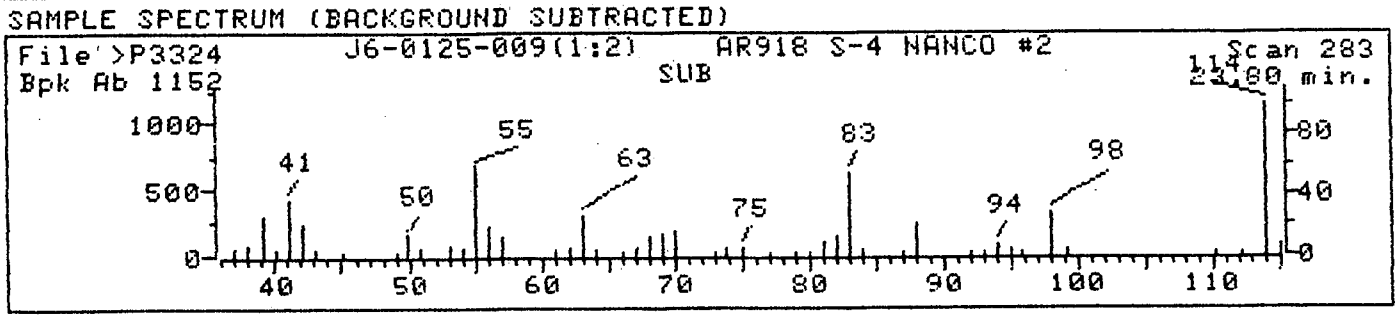
Compound No: 7
Compound Name: Acetone
Scan Number: 113
Retention Time: 10.72 min.
Area: 5237
Concentration: 42.41 UG
q-value: 73

pdg

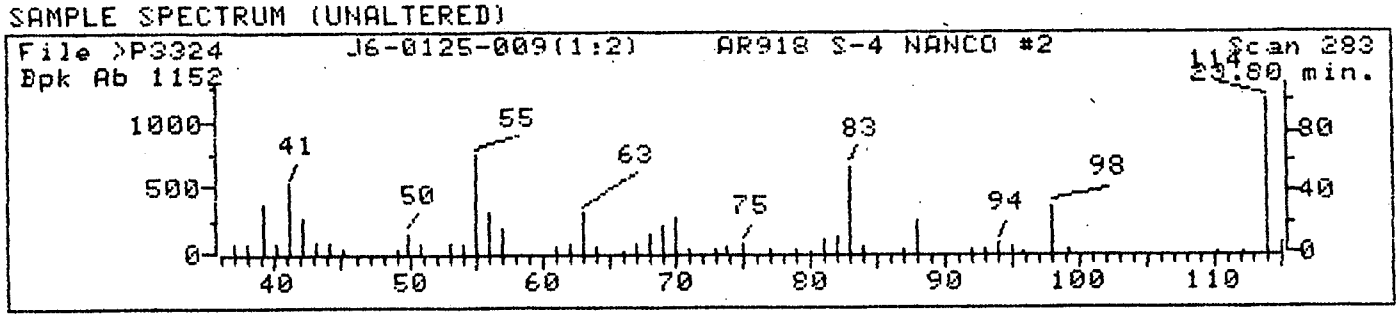
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



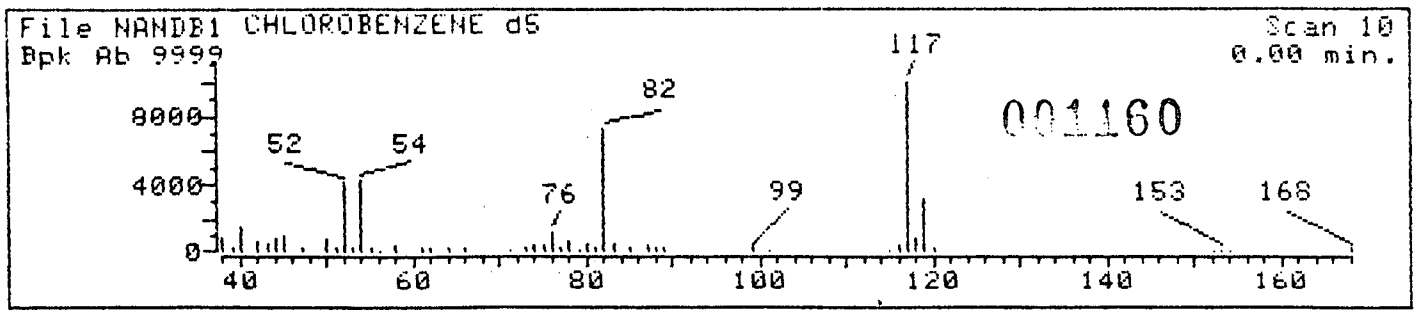
SAMPLE SPECTRUM (UNALTERED)



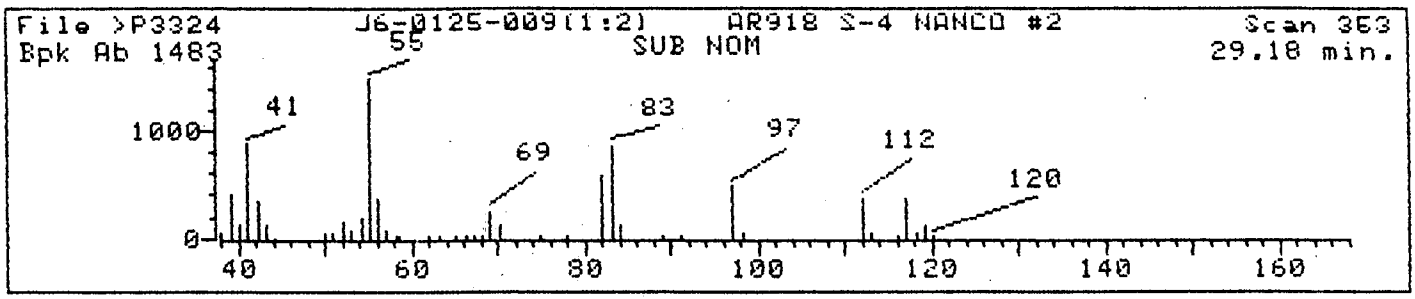
Data File: >P3324::D2
Name: J6-0125-009
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

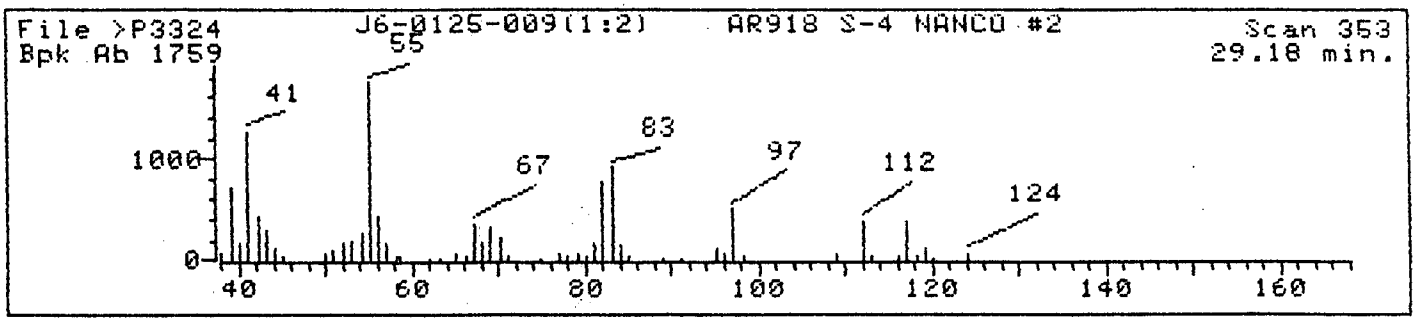
Compound No: 14 (ISTD)
Compound Name: 1,4-DIFLUOROBENZENE (ISTD)
Scan Number: 283
Retention Time: 23.80 min.
Area: 16254
Concentration: 50.00 UG
q-value: 96

pdg



001160

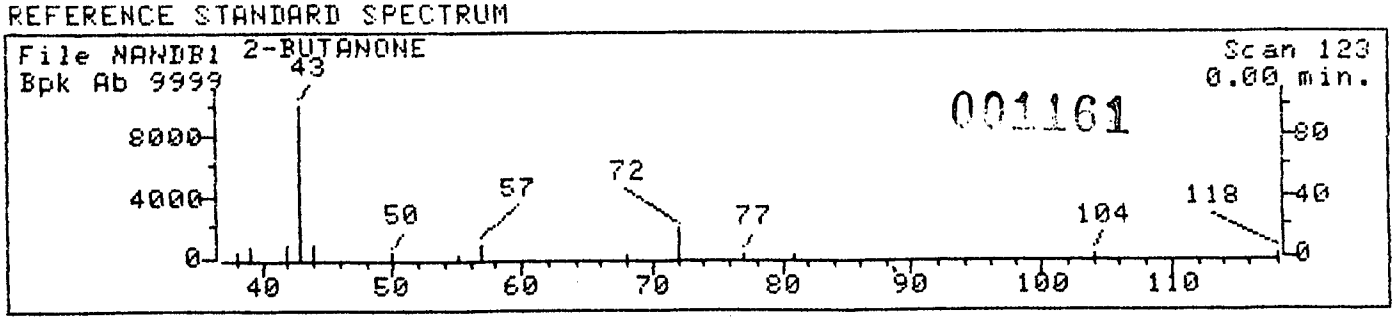




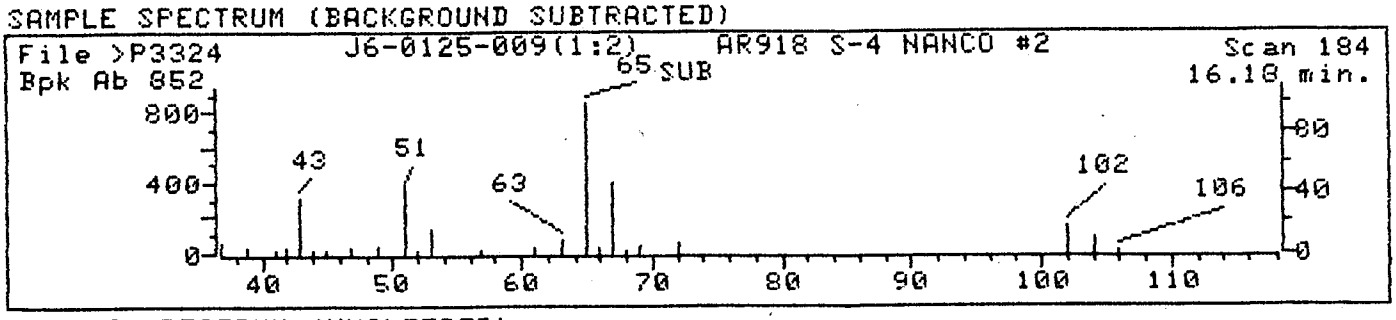
Data File: 7 P3324 . D 2
Name: 56-0125-009
Misc: AR 918 S-4 NANCO #2
Quant Time: 86 09 24 16:17
Injected at: 86 09 24 15:16

Compound No: 29
Compound Name: chlorobenzene d5 ISTD
Scan Number: 353
Retention Time: 29.18
Area: 7012
Concentration: 50

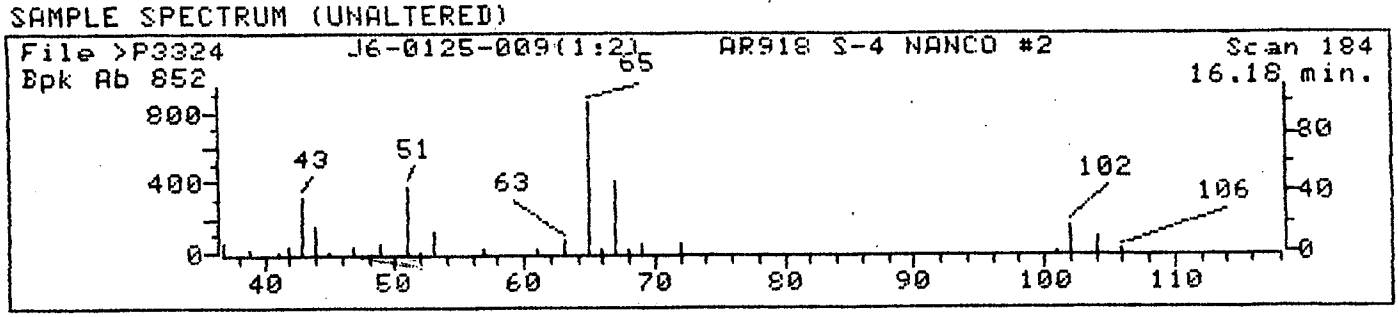
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

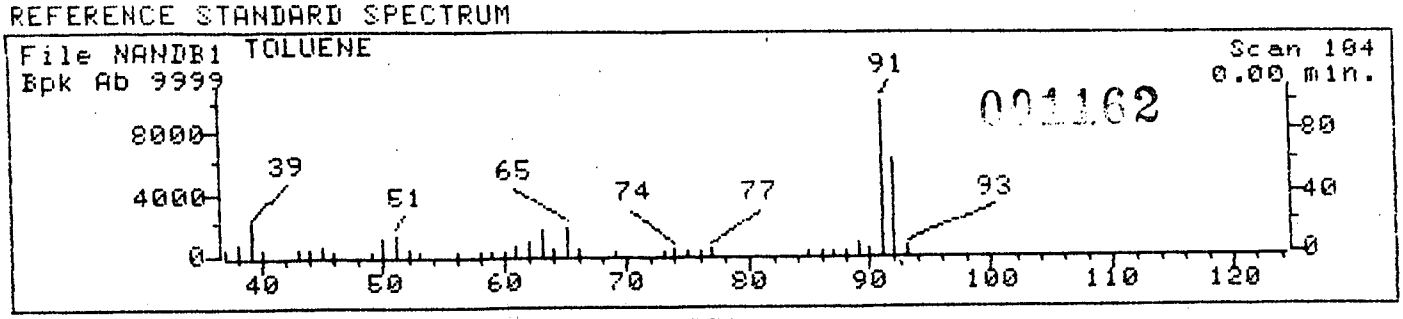


Data File: >P3324::D2
Name: J6-0125-009(1:2)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

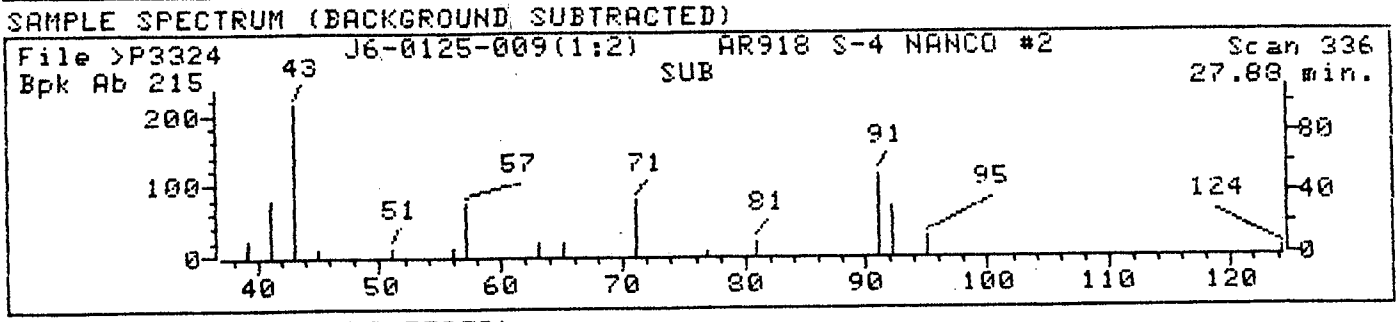
Compound No: 15
~~Compound Name: 2-Butanone~~
Scan Number: 184
Retention Time: 16.18 min.
Area: 701
Concentration: 25.42 UG
q-value: 85

plg

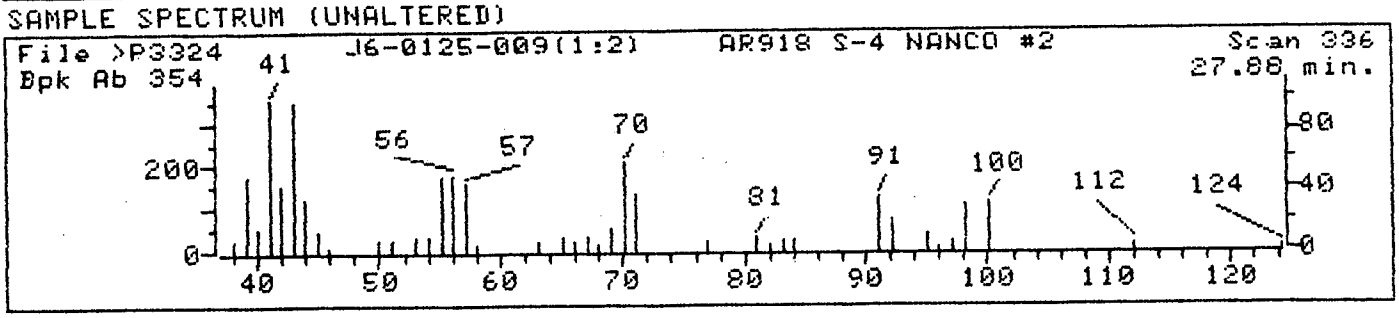
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

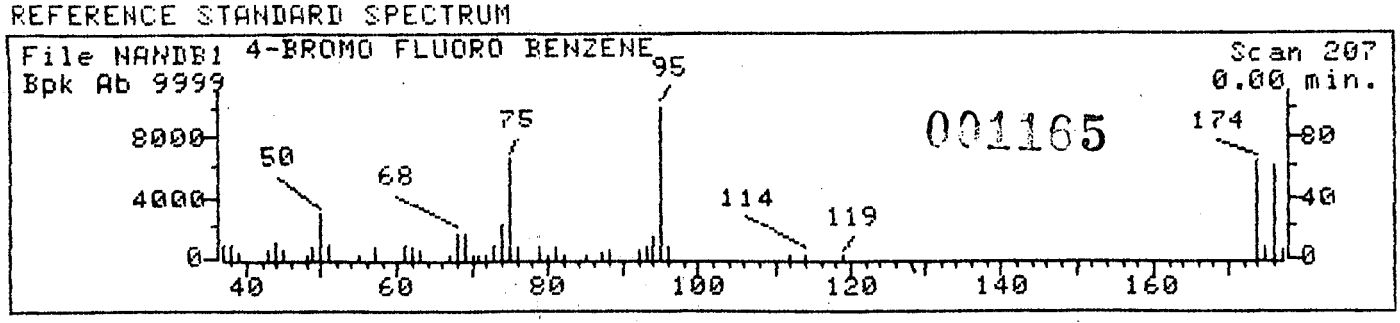


Data File: >P3324::D2
Name: J6-0125-009(1:2)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

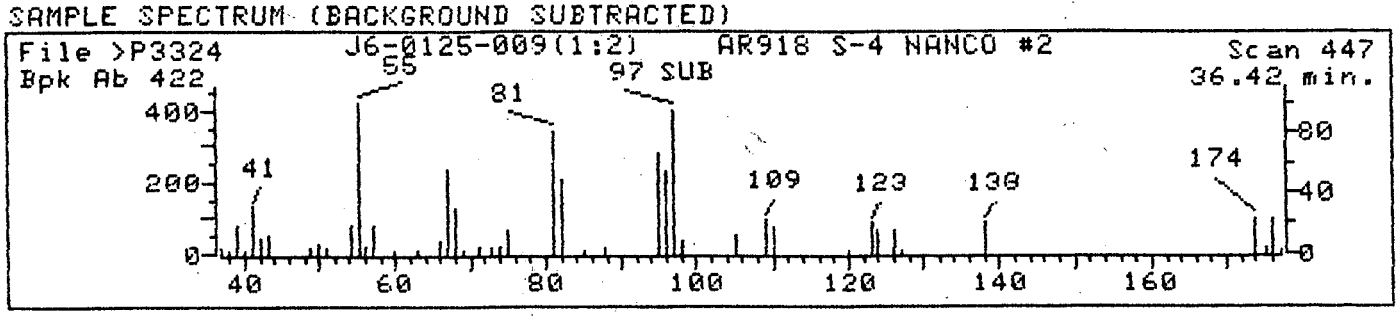
Compound No: 34
Compound Name: Toluene
Scan Number: 336
Retention Time: 27.88 min.
Area: 992
Concentration: 992.00 COUNTS
q-value: 98

✓ pl9

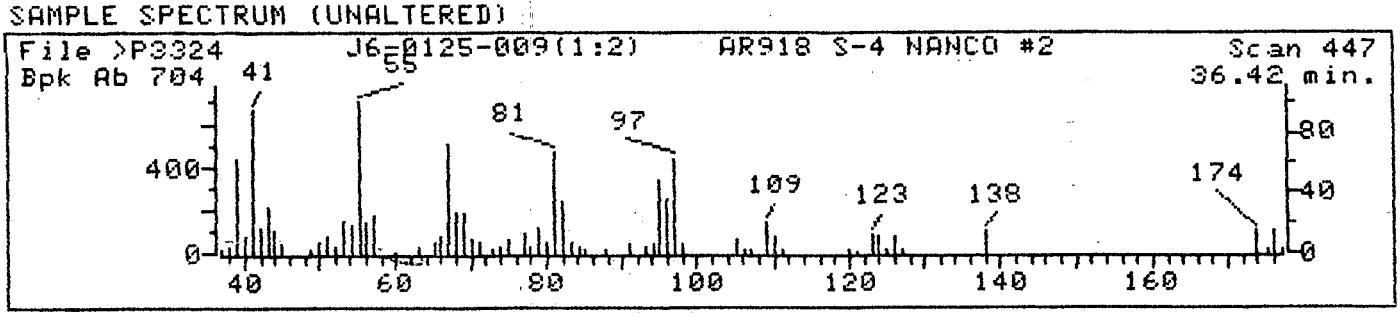
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

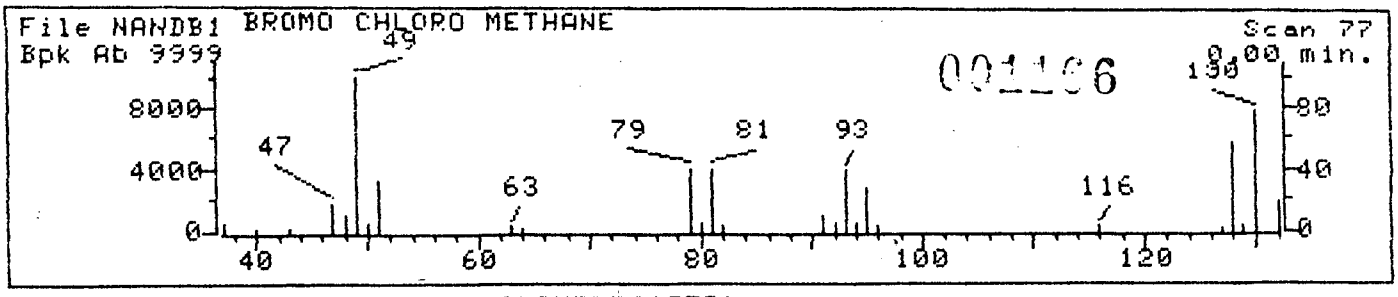


Data File: >P3324::D2
Name: J6-0125-009(~~[illegible]~~)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

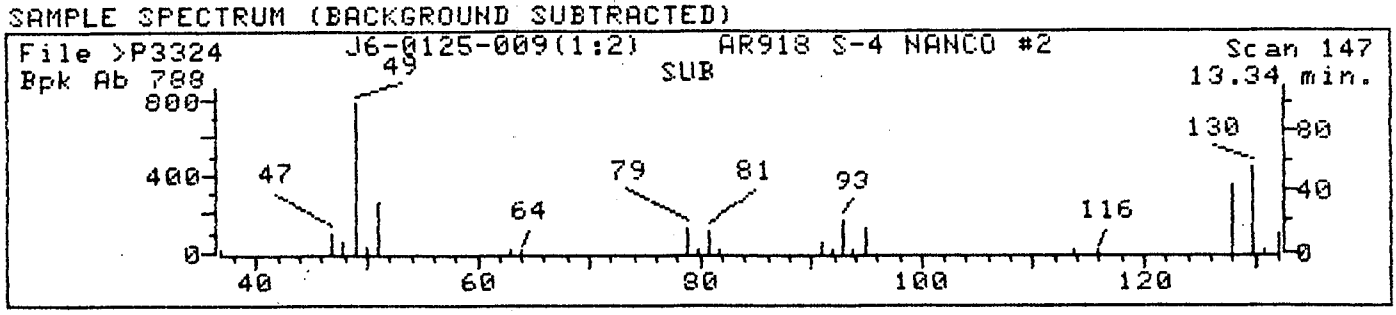
Compound No: 40
Compound Name: 4-BROMOFLUOROBENZENE (a Surrg)
Scan Number: 447
Retention Time: 36.42 min.
Area: 15839
Concentration: 15839.00 COUNTS
q-value: 57

pl9

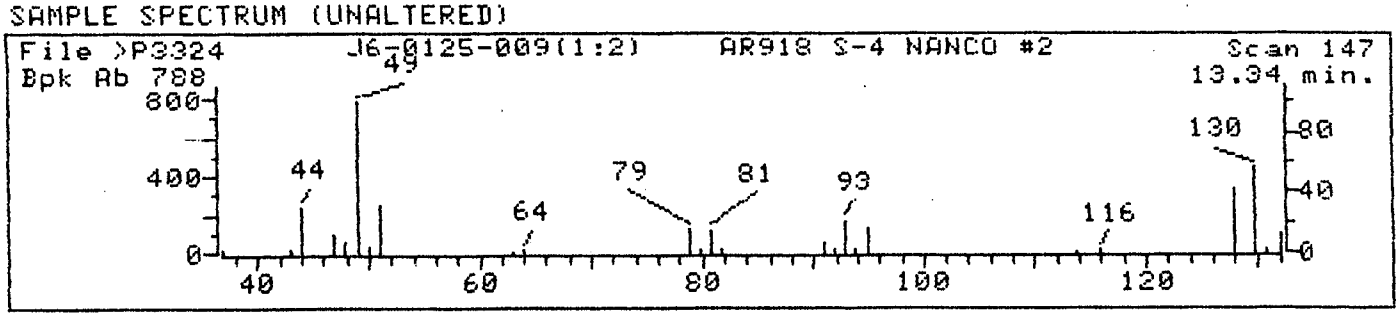
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

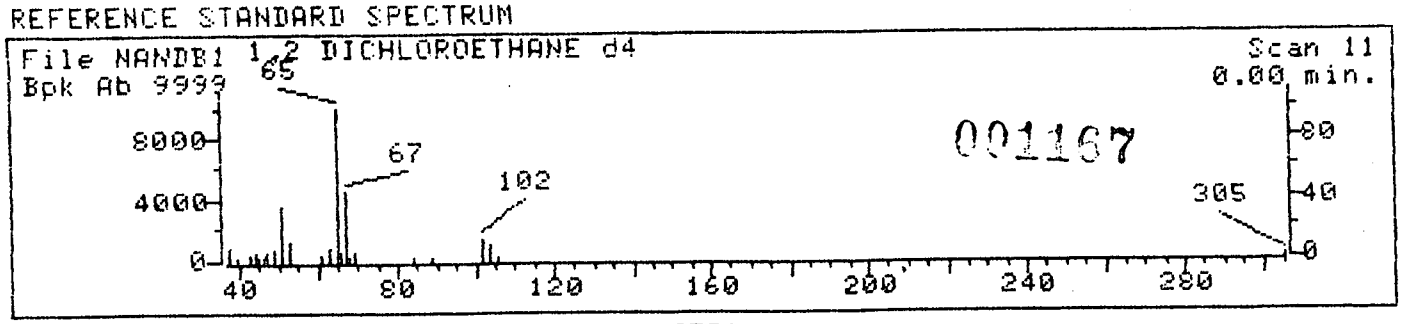


Data File: >P3324::D2
Name: J6-0125-009(1:2)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

Compound No: 41 (ISTD)
Compound Name: [BROMOCHLOROMETHANE (ISTD)]
Scan Number: 147
Retention Time: 13.34 min.
Area: 4739
Concentration: 50.00 UG
q-value: 69

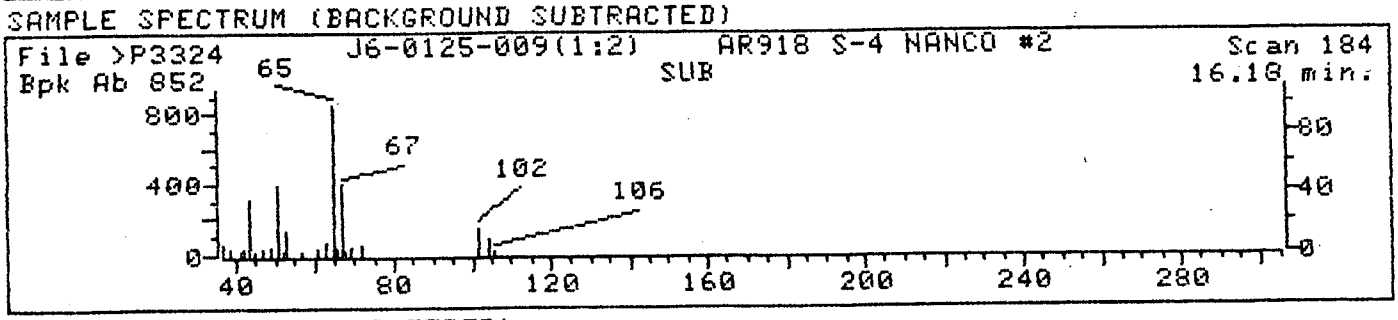
pl 9

REFERENCE STANDARD SPECTRUM

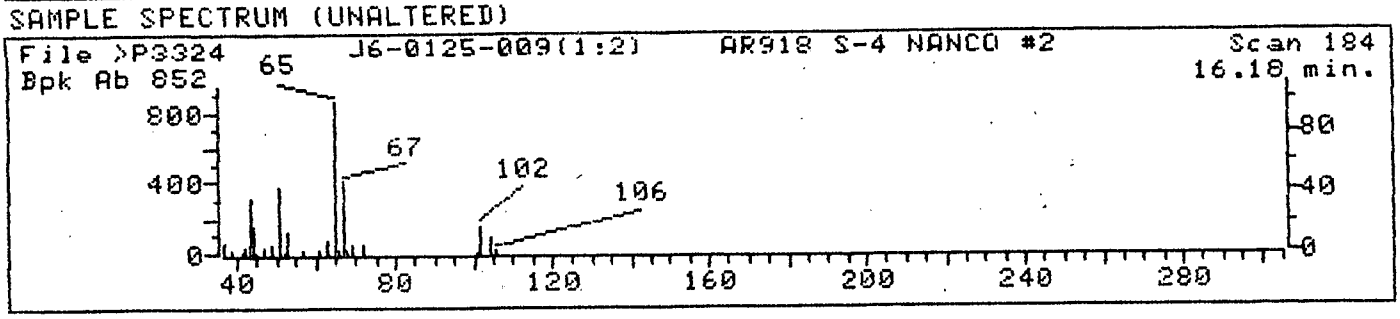


001167

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P3324::D2
Name: J6-0125-009(1:2)
Misc: AR918 S-4 NANCO #2
Quant Time: 860924 16:17
Injected at: 860924 15:16

Compound No: 42
Compound Name: 1,2-DICHLOROETHANE-d4 (Surrog)
Scan Number: 184
Retention Time: 16.18 min.
Area: 11436
Concentration: 47.36 UG
q-value: 94

plg

Use pk # 2 to all calc. due to coelution

MS data file header from : >P3324

Sample: J6-0125-009(1:2) Operator: DALY MS 9/24/86 15:16
Misc : AR918 S-4 NANCO #2
Sys. #: 2 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH03 Tuning file: MT9002 No. of extra records: 1
Source temp.: 165 Analyzer temp.: 180 Transfer line temp. : 200

Chromatographic temperatures :	45.	220.	0.	0.	0.
Chromatographic times, min. :	4.0	22.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	8.0	0.0	0.0	0.0	0.0

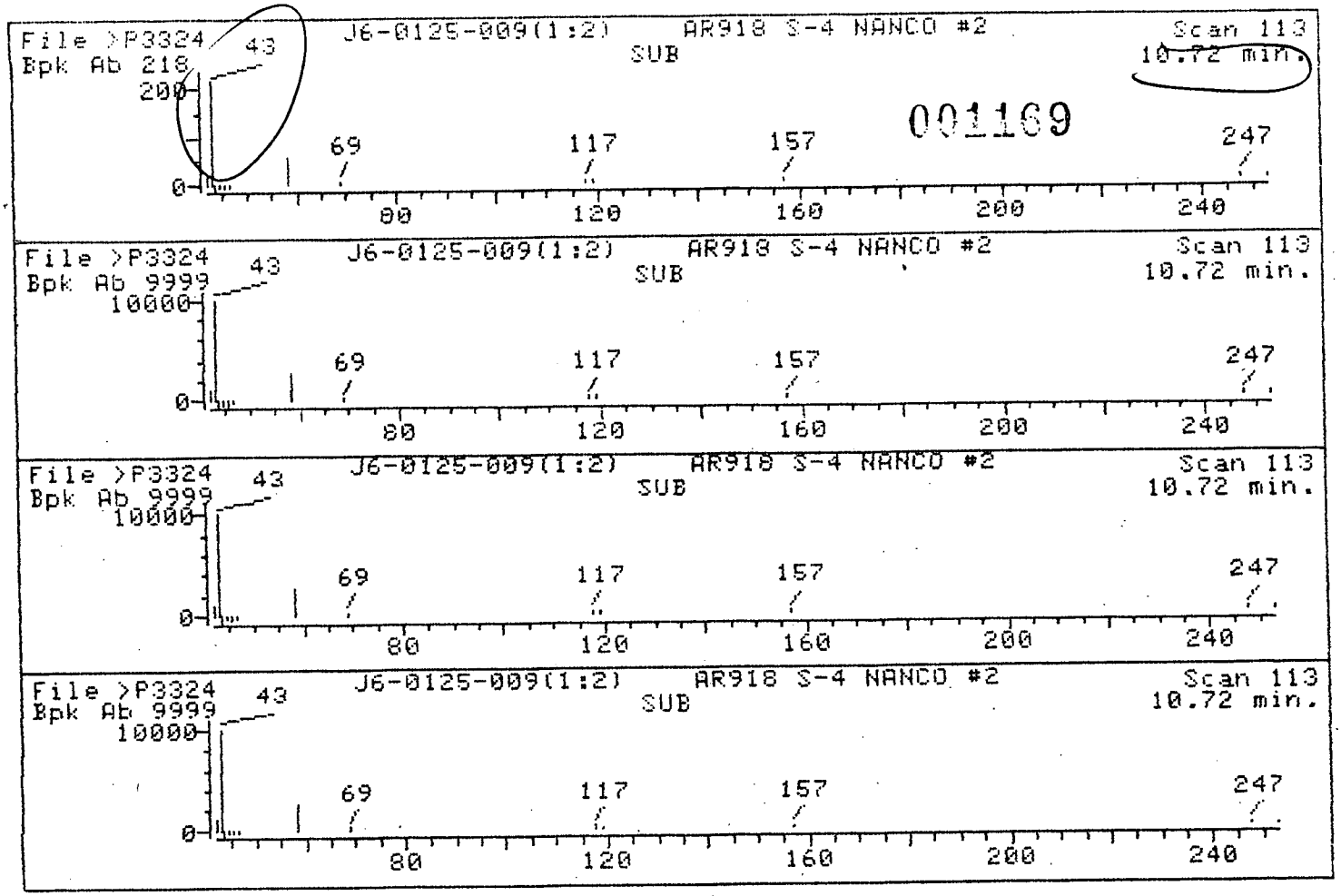
>P3324 J6-0125-009(1:2) AR918 S-4 NANCO #2
35.0| 260.0 TIC

001168

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	10.724	110	113	120	376	27041	8121	2.09	.362
IS 2	13.339	143	147	152	2811	48299	37809	9.73	1.687
S 3	16.185	178	184	190	2807	46635	38826	9.99	1.732
4	18.107	206	209	213	606	12256	8089	2.08	.361
5	21.183	247	249	255	413	13747	9834	2.53	.439
6	22.798	266	270	274	816	16811	12454	3.20	.556
7	23.875	276	284	288	10548	179003	172245	44.31	7.686
8	25.952	306	311	315	3166	83494	73940	19.02	3.299
9	26.414	315	317	322	743	18833	10434	2.68	.466
S 10	27.722	322	334	338	4467	172564	153360	39.45	6.843
11	28.337	338	342	347	2951	156285	76764	19.75	3.425
12	29.106	347	352	357	10251	319422	215401	55.41	9.611
13	29.722	357	360	362	2199	107576	33265	8.56	1.484
14	30.646	369	372	375	1529	72423	25670	6.60	1.145
15	31.338	375	381	382	5976	181837	127278	32.74	5.679
16	32.800	397	400	407	2475	113453	59577	15.32	2.658
17	34.262	409	419	425	3155	254419	158463	40.76	7.071
18	35.493	426	435	441	4081	458495	179109	46.07	7.992
19	37.571	455	462	474	5890	562934	268569	69.08	11.984
20	39.187	474	483	497	8356	745053	388769	100.00	17.347
21	43.035	525	533	542	3799	619680	183108	47.10	8.171

Sum of corrected areas: 2241085.

IS 22) 1,4- Di Fluro Benz 23.80 283 coelutes with Pk 7
IS 23) Chloro Benz Di 29.18 353 coelutes with Pks 12,13
S 24) 4 Bromo fluro Benz 36.42 443 coelutes with Pk 18,19
25 40.803 497 504 509 1016 229210 35957 100.00
26 41.881 509 518 522 1735 306451 68095
27 43.035 522 533 542 4312 693139 226911
28 44.344 542 550 566 3774 668418 210794
29 46.576 566 579 590 5209 573441 372005



001169

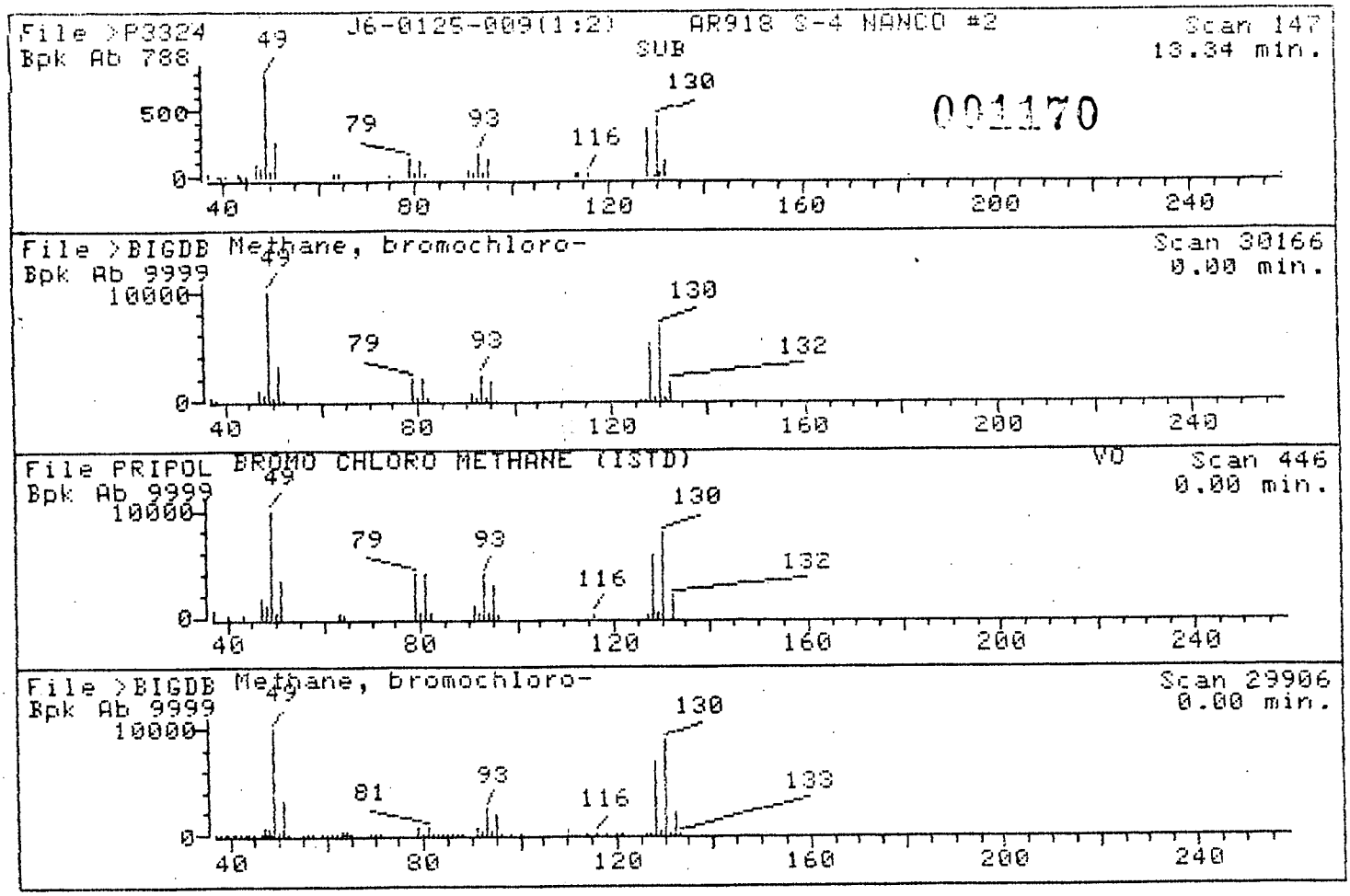
Sample file: >P3324 Spectrum #: 113

No data base entries were retrieved.

acetone

✓

BD

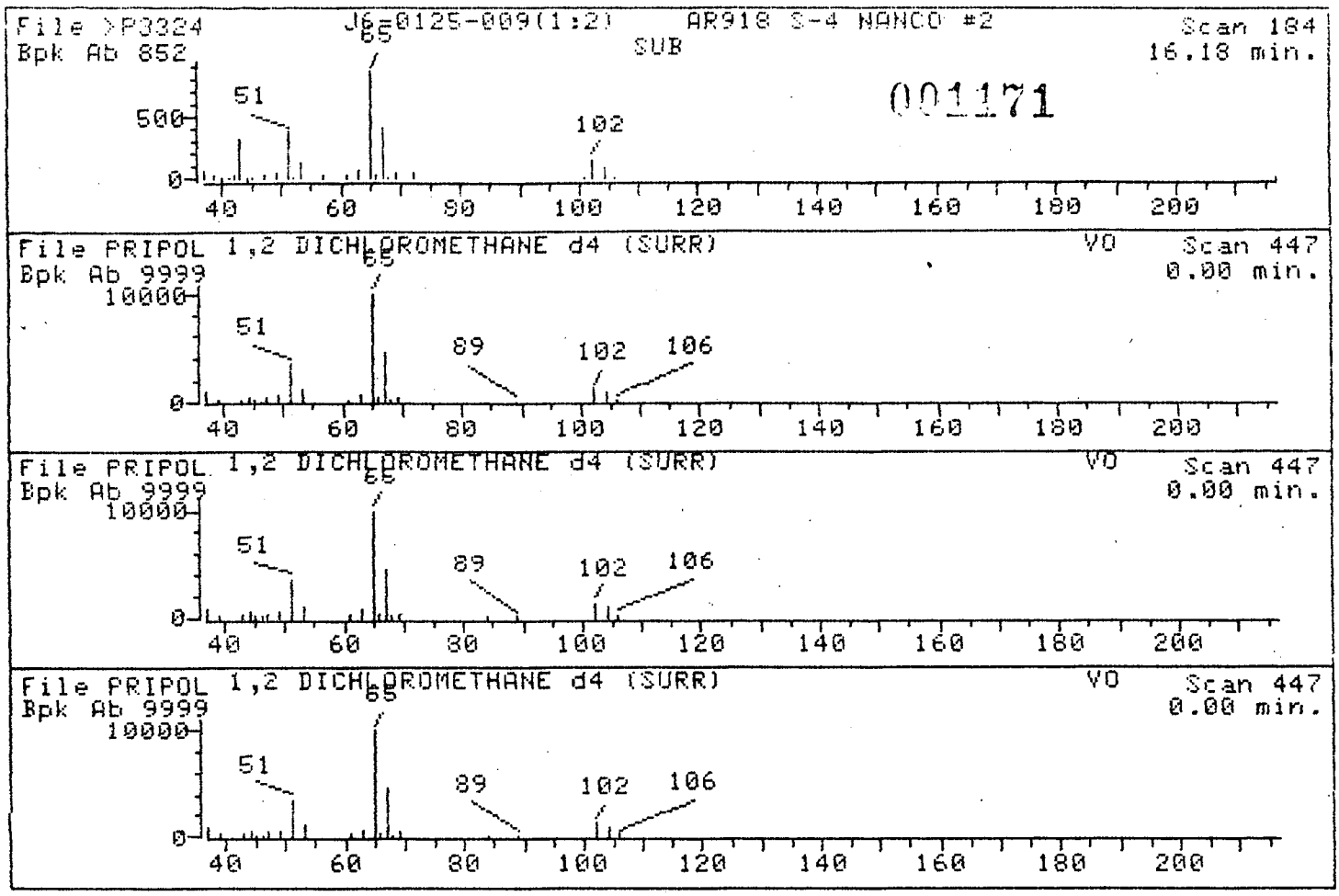


1. ~~Methane, bromochloro-~~
2. BROMO CHLORO METHANE (ISTD)
   A INTERNAL STANDARD
3. ~~Methane, bromochloro-~~

128 CH2BrCl
VO 128 CH2BrCl
128 CH2BrCl

Sample file: >P3324 Spectrum #: 147
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	74975	30166	"BIGDB	101	12	1	0	79	4	72	94
2.	66*	446	204	PRIPOL	60	51	0	0	36	44	24	73
3.	31*	74975	29906	"BIGDB	42	70	2	0	58	31	12	14

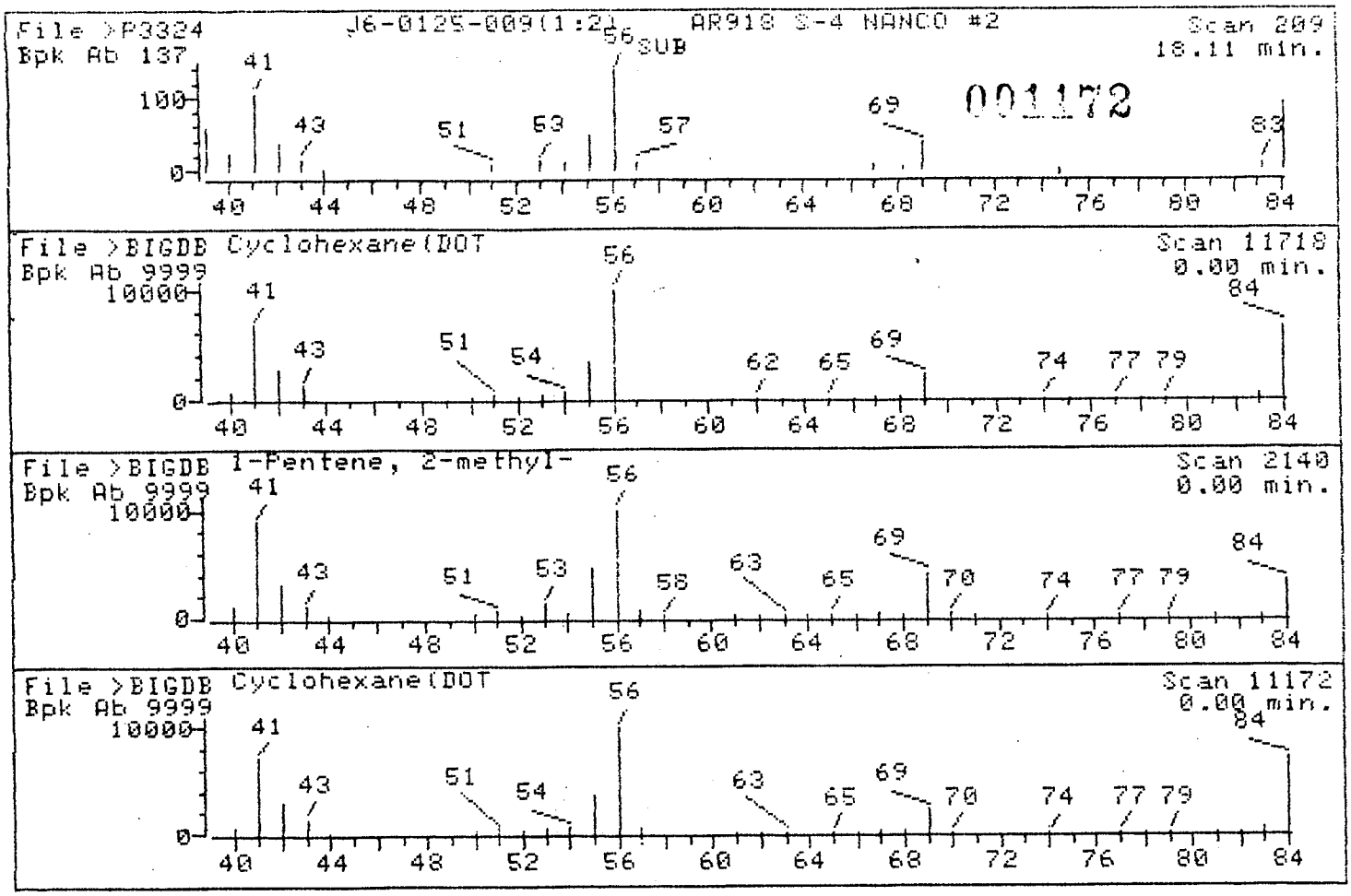


1. 1,2 DICHLOROMETHANE d4 (SURR) VO 102
LATILE SURROGATE

3

Sample file: >P3324 Spectrum #: 184
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	447	64	PRIPOL	64	36	2	0	100	2	63	43



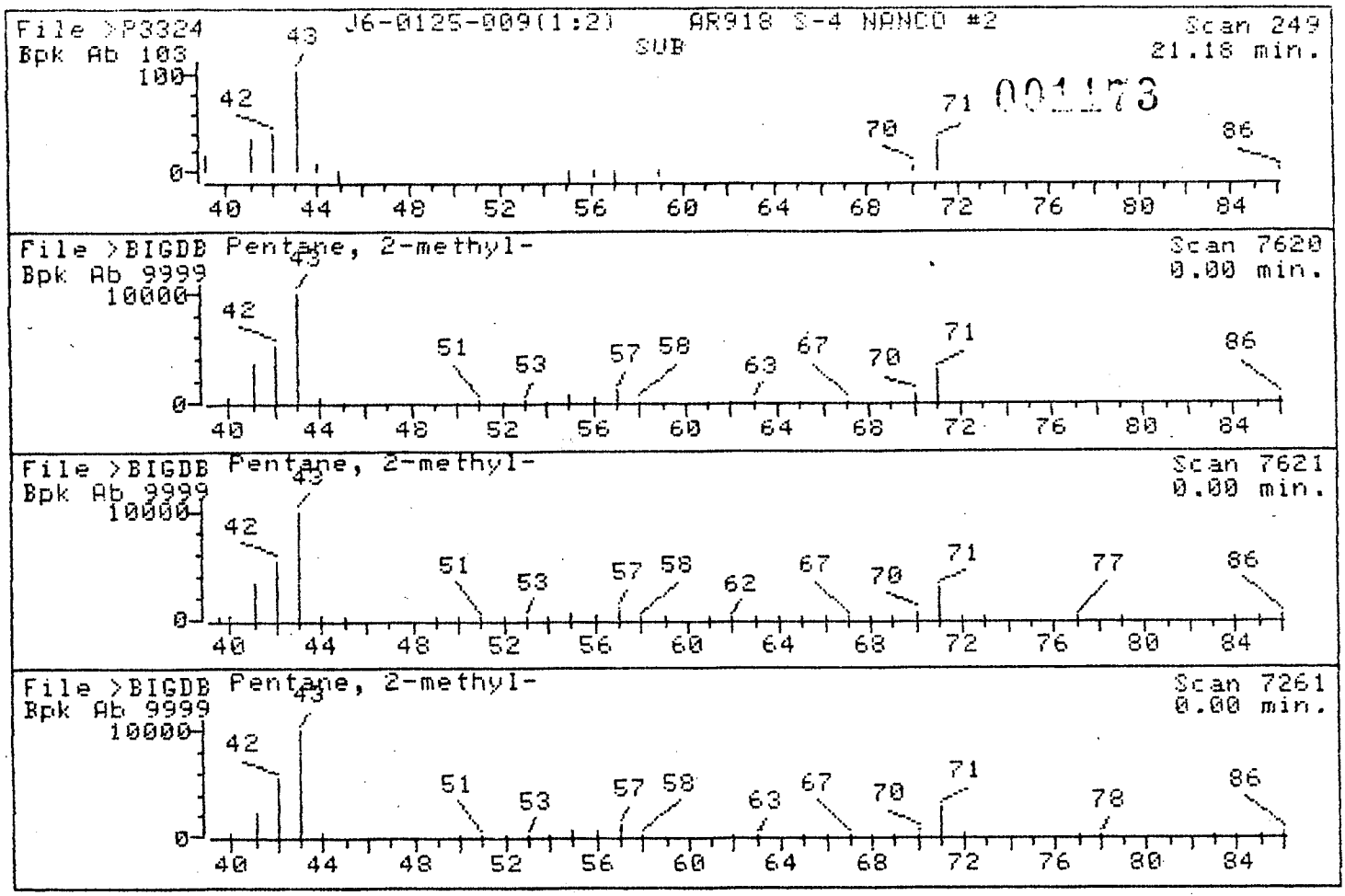
unknown hydrocarbon

4

1. Cyclohexane(DOT 84 C6H12
2. 1-Pentene, 2-methyl- 84 C6H12
3. Cyclohexane(DOT 84 C6H12
4. Cyclohexane(DOT 84 C6H12
5. 1-Pentene, 2-methyl- 84 C6H12

Sample file: >P3324 Spectrum #: 209
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	87*	110827	11718	"BIGDB	67	22	0	0	100	13	55	80
2.	83*	763291	2140	"BIGDB	60	41	1	0	66	9	54	56
3.	75*	110827	11172	"BIGDB	68	24	1	0	93	16	35	66
4.	71*	110827	11720	"BIGDB	49	19	1	0	88	14	38	37
5.	71*	763291	1763	"BIGDB	49	48	1	0	74	11	38	31

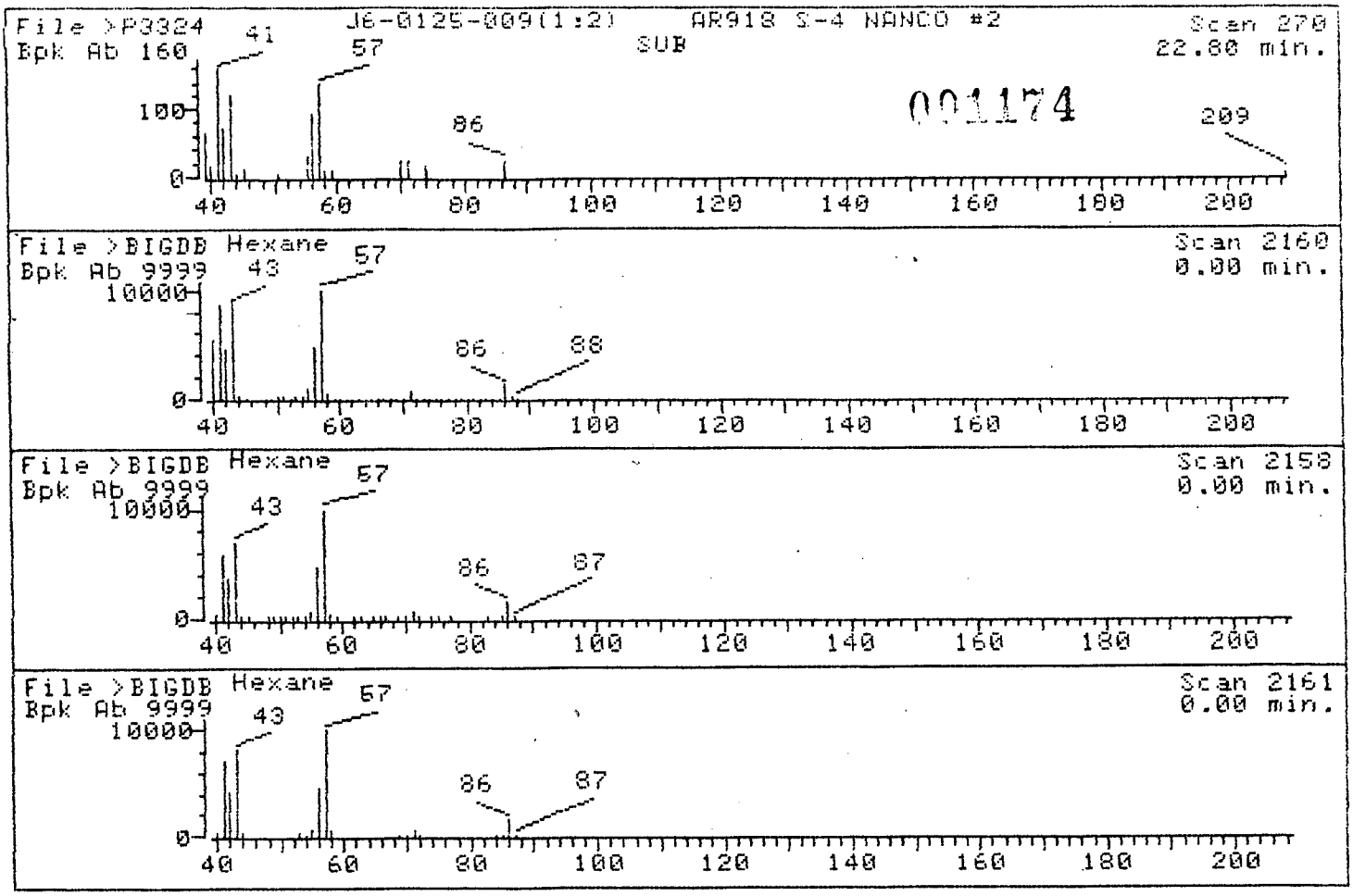


1. Pentane, 2-methyl-
2. Pentane, 2-methyl-
3. Pentane, 2-methyl-
4. Pyrrolidine
5. Pyrrolidine

86 C6H14
86 C6H14
86 C6H14
71 C4H9N
71 C4H9N

Sample file: >P3324 Spectrum #: 249
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78*	107835	7620	"BIGDB	41	45	3	0	73	4	55	17
2.	70*	107835	7621	"BIGDB	28	56	3	0	71	9	42	13
3.	60*	107835	7261	"BIGDB	23	58	3	0	71	12	30	12
4.	52*	123751	7603	"BIGDB	22	64	3	0	100	20	20	12
5.	42*	123751	7605	"BIGDB	20	68	2	0	100	22	17	13



1. Hexane
2. Hexane
3. Hexane
4. Hexane
5. Pentane, 3-methyl-

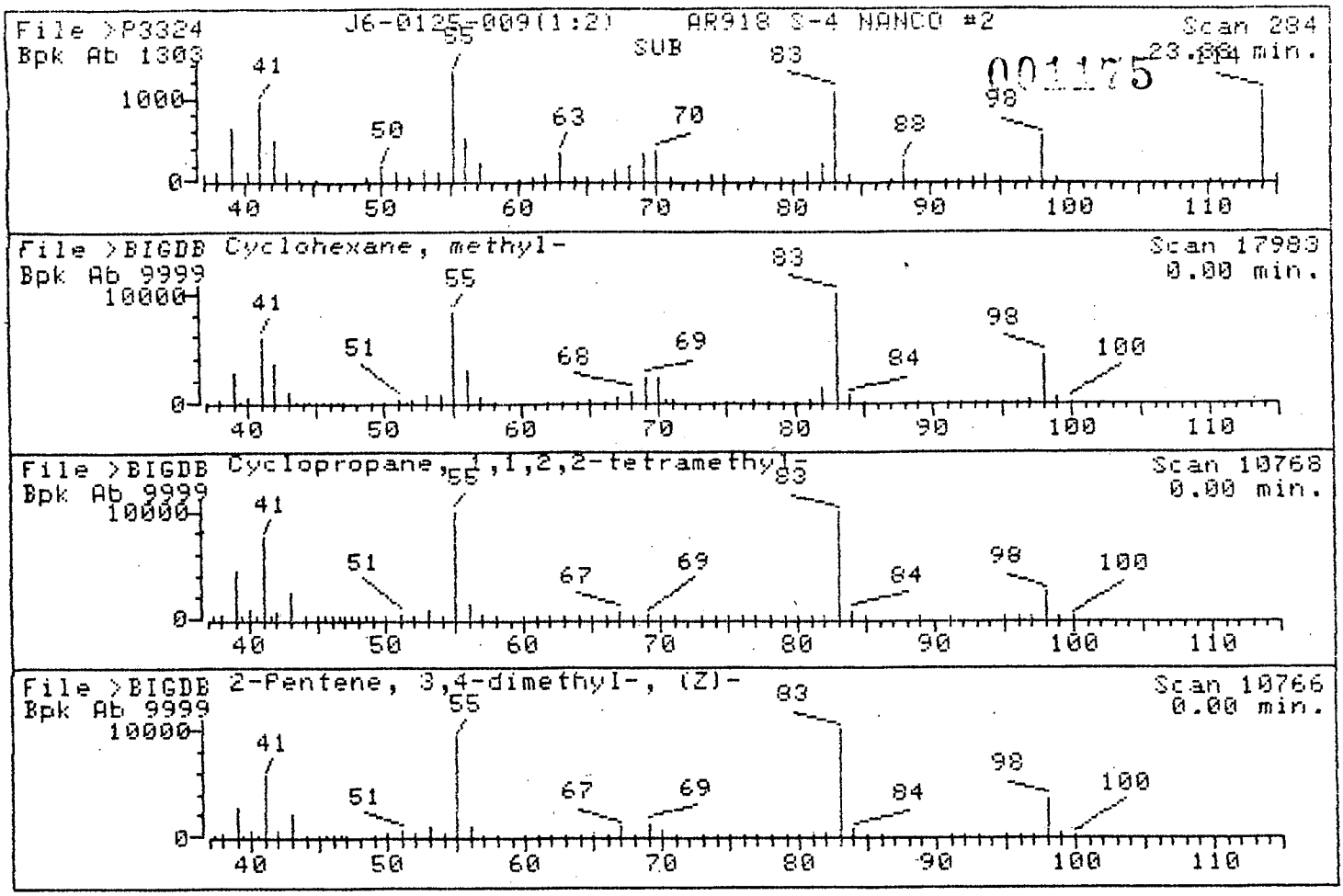
on

86 C6H14
86 C6H14
86 C6H14
86 C6H14
86 C6H14

6

Sample file: >P3324 Spectrum #: 270
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	59*	110543	2160	"BIGDB	49	41	2	0	86	21	27	30
2.	55*	110543	2158	"BIGDB	45	41	1	0	86	21	22	27
3.	53*	110543	2161	"BIGDB	43	51	1	0	86	21	22	25
4.	47*	110543	2162	"BIGDB	37	49	2	0	86	24	17	18
5.	29*	96140	2156	"BIGDB	36	57	2	0	68	43	8	17



001175

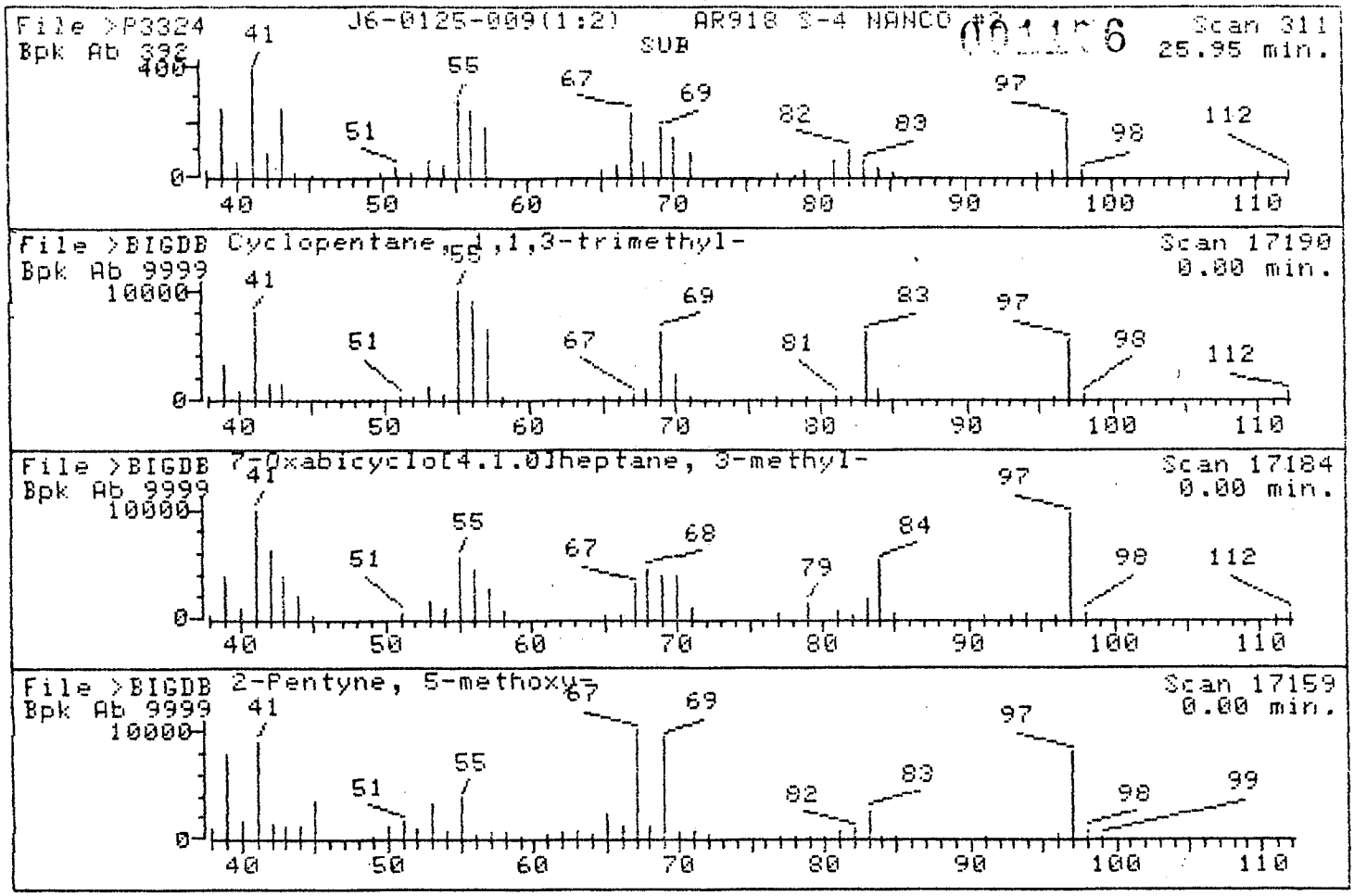
1.	Cyclohexane, methyl-	98	C7H14
2.	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14
3.	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14
4.	2-Pentene, 2,3-dimethyl-	98	C7H14
5.	Cyclohexane, methyl-	98	C7H14

various hydrocarbon

7

Sample file: >P3324 Spectrum #: 284
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

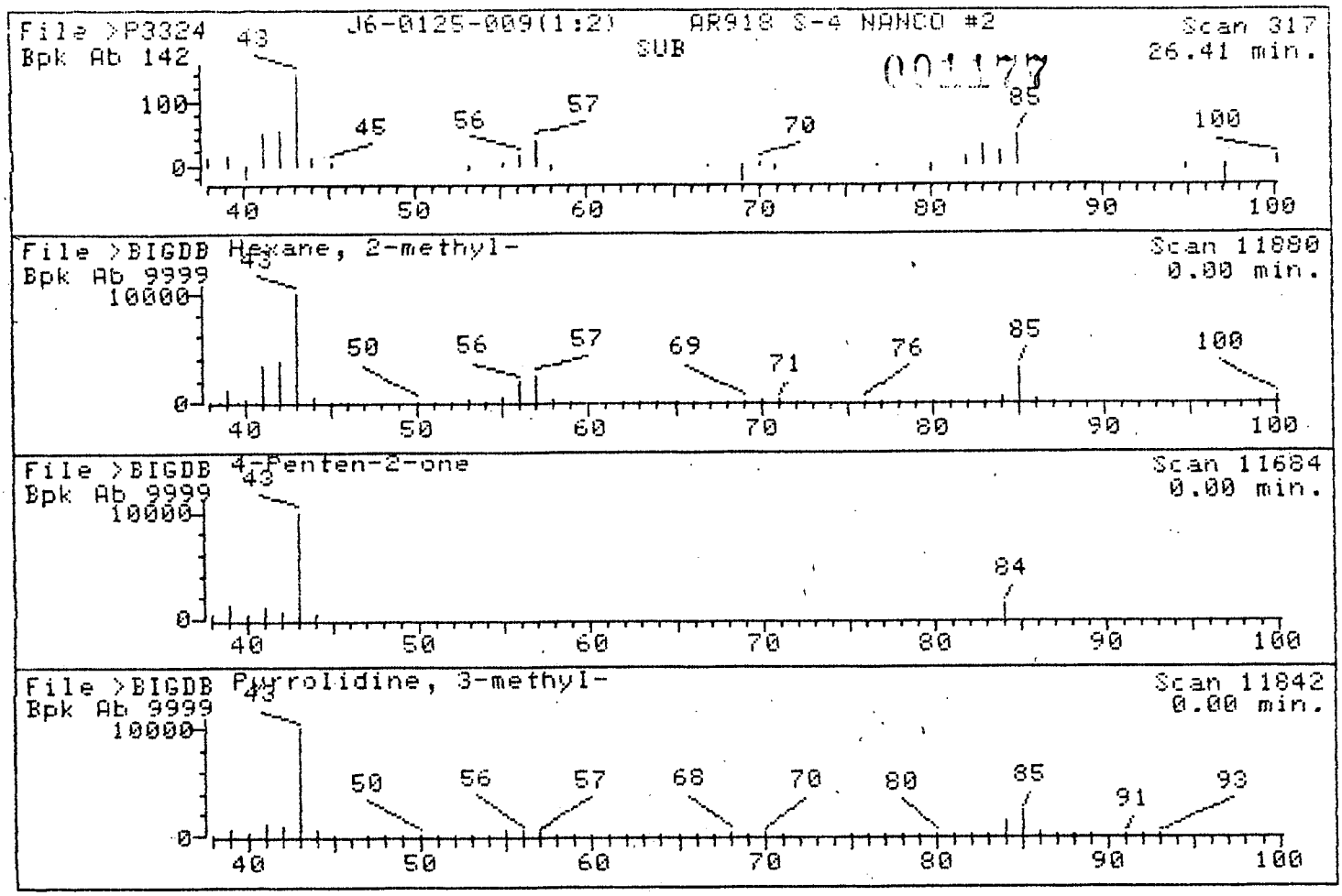
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	84*	108872	17983	"BIGDB	73	30	0	0	82	41	43	92
2.	62*	4127473	10768	"BIGDB	56	41	0	0	84	45	18	67
3.	59*	4914914	10766	"BIGDB	57	41	0	0	82	50	14	69
4.	55*	10574375	18418	"BIGDB	53	39	0	0	74	50	14	65
5.	49*	108872	11063	"BIGDB	76	22	1	0	118	53	16	74



1.	Cyclopentane, 1,1,3-trimethyl-	112	C8H16
2.	7-Oxabicyclo[4.1.0]heptane, 3-methyl-	112	C7H12O
3.	2-Pentyne, 5-methoxy-	98	C6H10O
4.	CYCLOHEPTANE, METHYL-	112	C8H16
5.	4-Pentenal	84	C5H8O

Sample file: >P3324 Spectrum #: 311
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
* 1.	31*	4516692	17190	"BIGDB	69	41	1	0	66	58	8	67
2.	20*	36099511	17184	"BIGDB	27	89	3	0	54	54	5	13
3.	18*	62108183	17159	"BIGDB	50	54	2	0	45	56	4	23
4.	18*	0	17200	"BIGDB	48	58	1	0	50	58	4	27
5.	18*	2100176	1760	"BIGDB	46	68	1	0	64	60	4	21



001177

unknown

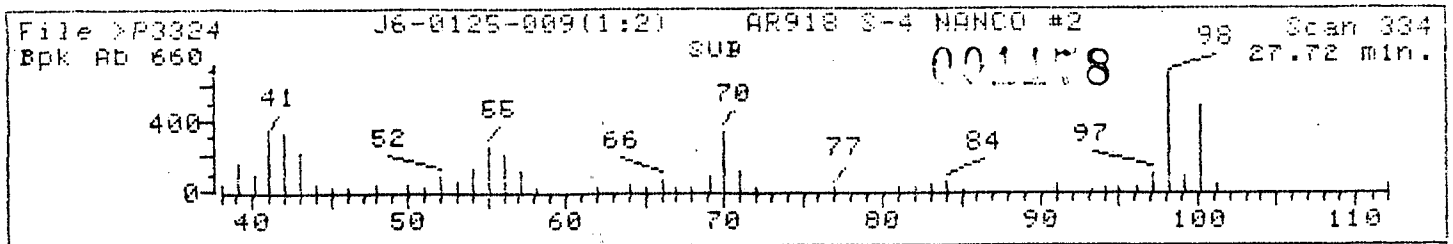
9

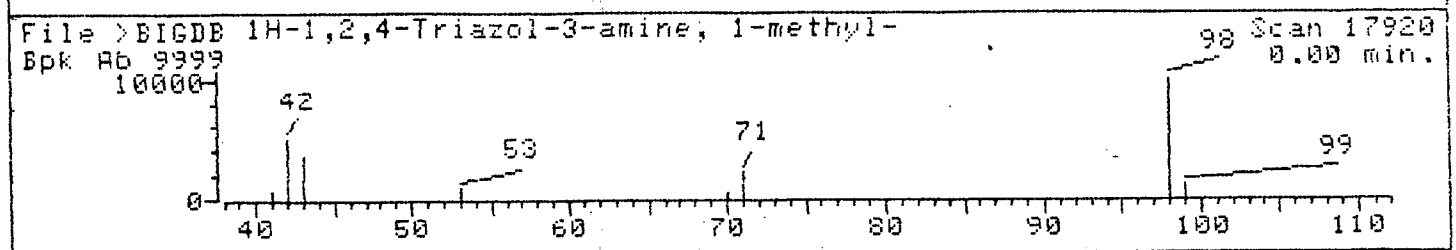
top

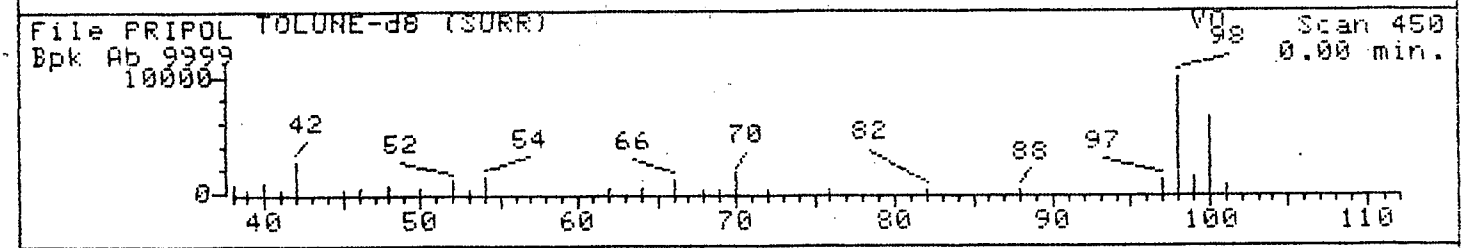
1.	Hexane, 2-methyl-	100	C7H16
2.	4-Penten-2-one	84	C5H8O
3.	Pyrrolidine, 3-methyl-	85	C5H11N
4.	1,3-Diazabicyclo[3.1.0]hexane	84	C4H8N2
5.	Pyrrolidine, 1-methyl-	85	C5H11N

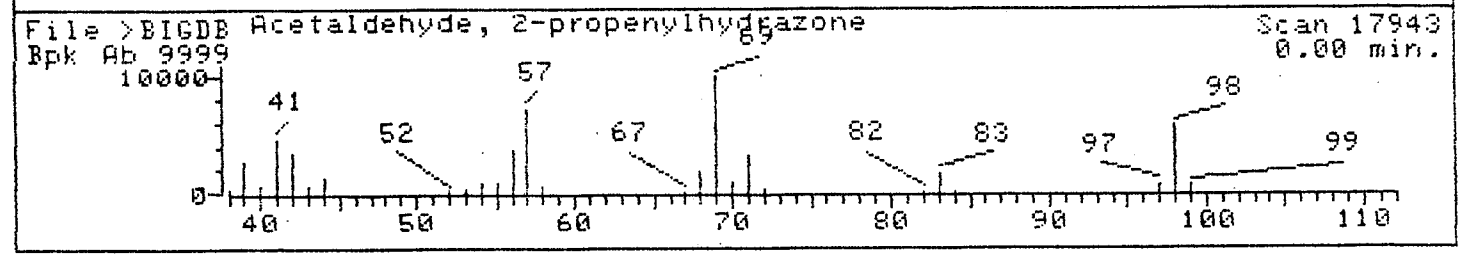
Sample file: >P3324 Spectrum #: 317
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	42*	591764	11880	"BIGDB	29	57	3	0	100	21	17	13
2.	25*	13891877	11684	"BIGDB	21	25	1	0	86	50	7	14
3.	25*	34375898	11842	"BIGDB	21	59	2	0	80	41	8	13
4.	11*	17038287	11140	"BIGDB	28	51	2	0	35	61	2	14
5.	11*	120945	11726	"BIGDB	29	62	3	0	51	65	2	13







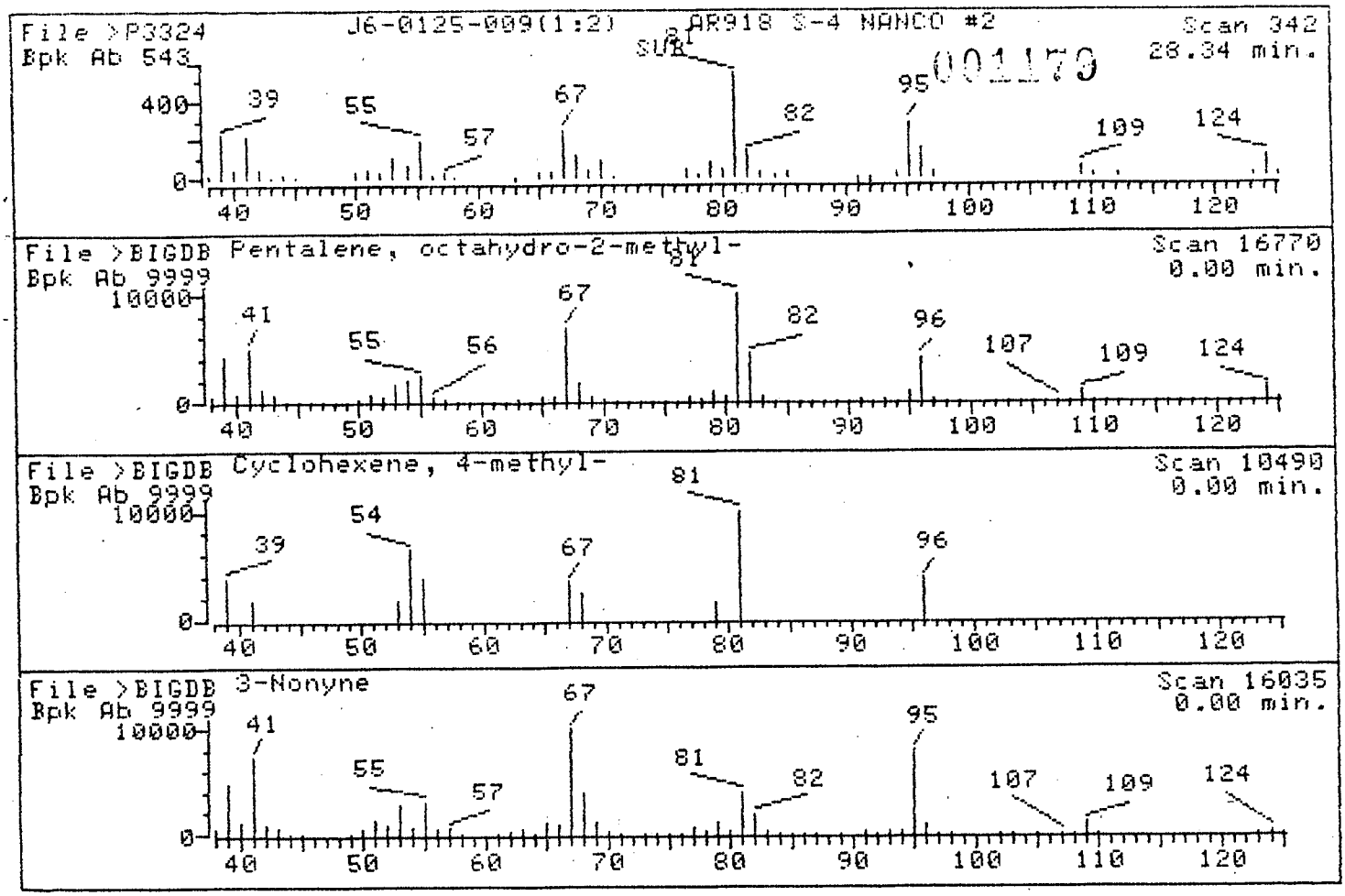


1. ~~1H-1,2,4-Triazol-3-amine, 1-methyl-~~ 98 C3H6N4
2. TOLUNE-d8 (SURR) VO 96
   LATILE SURROGATE
3. ~~Acetaldehyde, 2-propenylhydrazone~~ 98 C5H10N2
4. Cyclohexanone 98 C6H10O
5. 2-Furanmethanol 98 C5H6O2

10

Sample file: >P3324 Spectrum #: 334
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

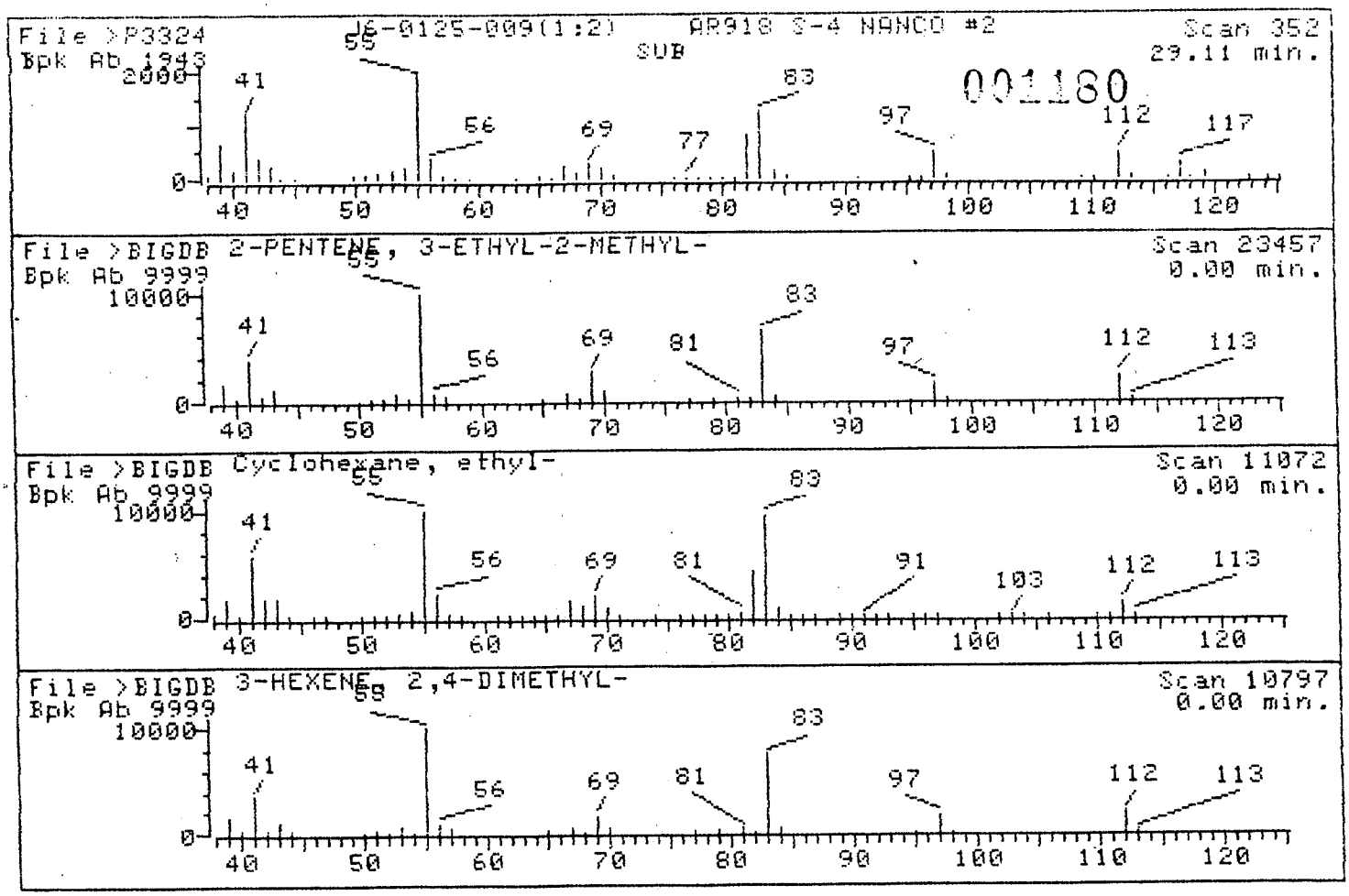
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	45*	49607514	17920	"BIGDB	42	18	0	0	73	48	13	55
2.	40	450	158	PRIPOL	64	34	0	0	91	48	12	41
3.	30*	19031777	17943	"BIGDB	35	79	3	0	141	34	12	13
4.	28*	108941	18410	"BIGDB	36	53	3	0	248	40	10	14
5.	27*	98000	18385	"BIGDB	30	79	3	0	100	40	10	13



1. Pentalene, octahydro-2-methyl- — 124 C9H16
2. Cyclohexene, 4-methyl- — 96 C7H12
3. 3-Nonyne — 124 C9H16
4. Cyclohexene, 3-methyl- — 96 C7H12
5. Cyclohexene, 3-methyl- — 96 C7H12

Sample file: >P3324 Spectrum #: 342
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	70*	3868642	16770	"BIGDB	62	49	0	0	55	40	28	74
2.	55*	591479	10490	"BIGDB	53	21	1	0	76	36	19	46
3.	55*	20184898	16035	"BIGDB	53	49	0	0	45	46	14	65
4.	45*	591480	10486	"BIGDB	61	49	3	0	74	33	16	28
5.	44*	591480	10295	"BIGDB	52	54	2	0	83	33	16	27



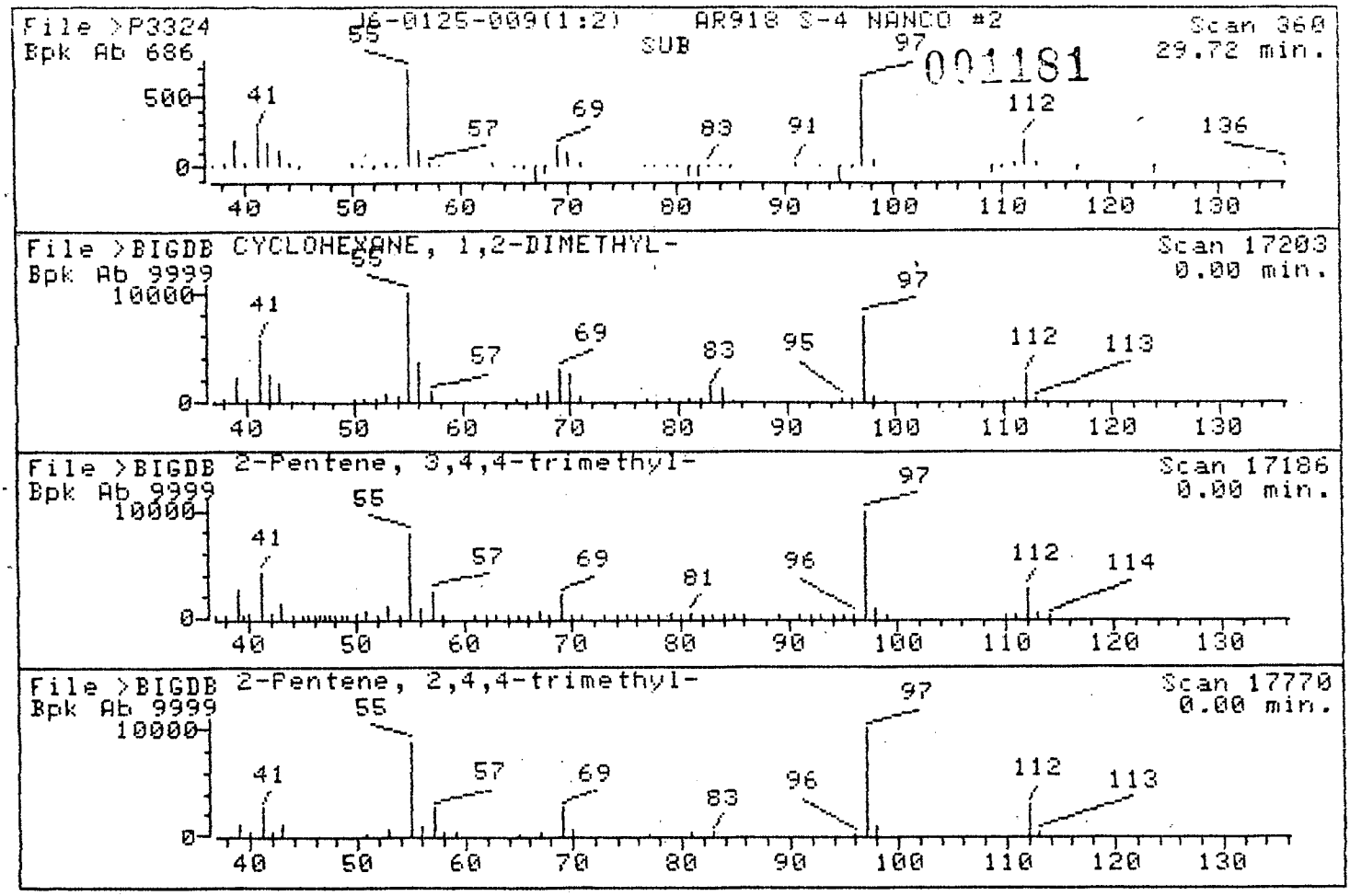
001180

unknown hydrocarbon 12

1. 2-PENTENE, 3-ETHYL-2-METHYL- 112 C8H16
2. Cyclohexane, ethyl- 112 C8H16
3. 3-HEXENE, 2,4-DIMETHYL- 112 C8H16
4. 2-PENTENE, 3-ETHYL-4-METHYL- 112 C8H16
5. Cyclohexane, ethyl- 112 C8H16

Sample file: >P3324 Spectrum #: 352
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	65*	0	23457	"BIGDB	59	31	1	0	97	32	24	53
2.	59*	1678917	11072	"BIGDB	57	48	2	0	67	24	27	34
3.	58*	0	10797	"BIGDB	58	36	1	0	83	36	19	49
4.	46*	0	23459	"BIGDB	49	41	2	0	96	32	20	30
5.	45*	1678917	11071	"BIGDB	57	42	2	0	99	38	17	34

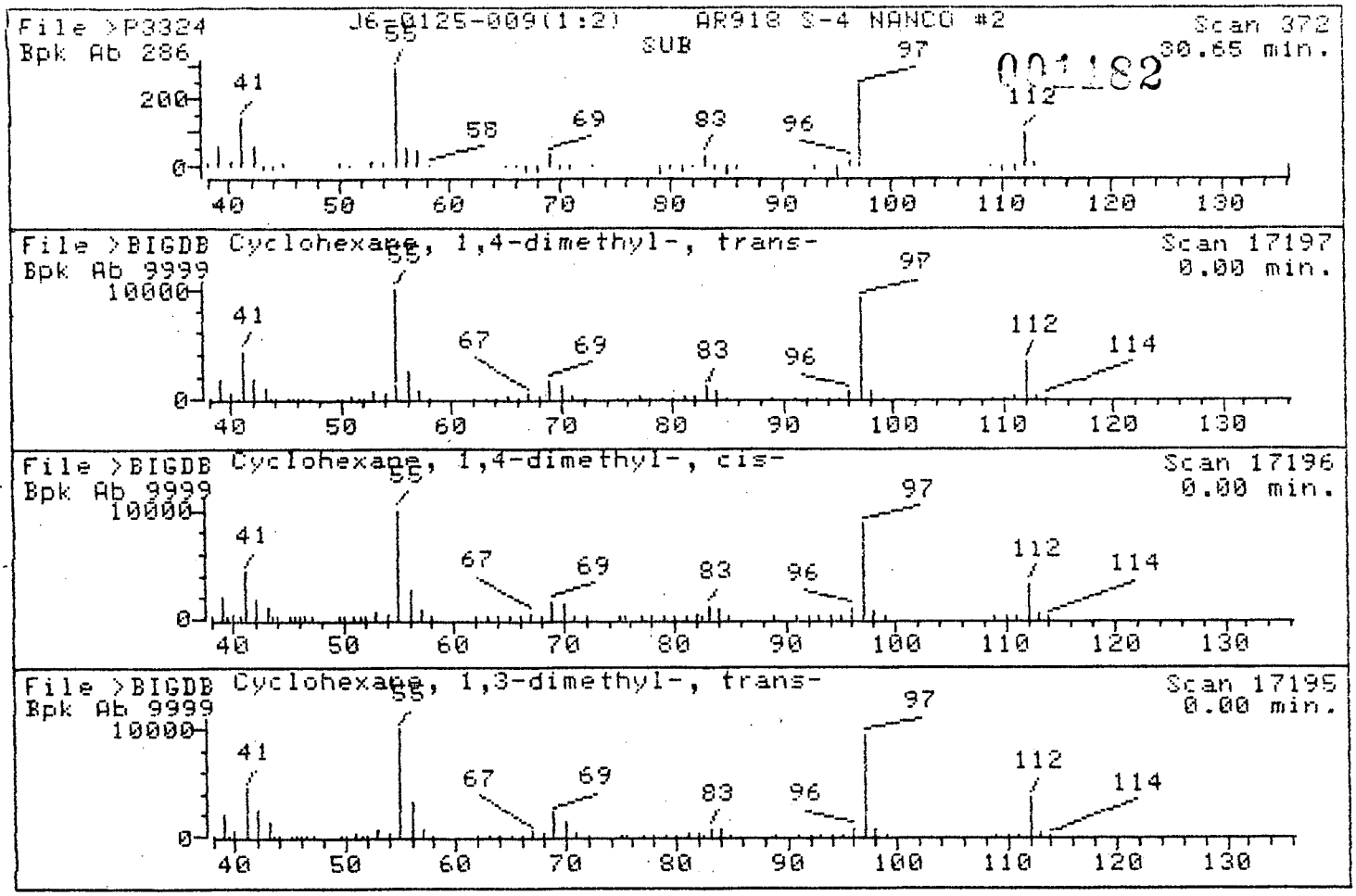


13

1.	CYCLOHEXANE, 1,2-DIMETHYL-		112 C8H16
2.	2-Pentene, 3,4,4-trimethyl-	✓	112 C8H16
3.	2-Pentene, 2,4,4-trimethyl-		112 C8H16
4.	1H-1,2,4-Triazole, 1-ethyl-		97 C4H7N3
5.	2-Pentene, 2,3,4-trimethyl-		112 C8H16

Sample file: >P3324 Spectrum #: 360
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
* 1.	78*	0	17203	"BIGDB	36	69	3	0	100	2	55	13
2.	60*	598969	17186	"BIGDB	41	54	3	0	88	15	30	13
3.	60*	107404	17770	"BIGDB	35	53	3	0	88	13	30	14
4.	60*	16778704	17150	"BIGDB	26	70	3	0	88	15	30	13
5.	58*	565775	17772	"BIGDB	42	52	2	0	84	19	25	21



001182

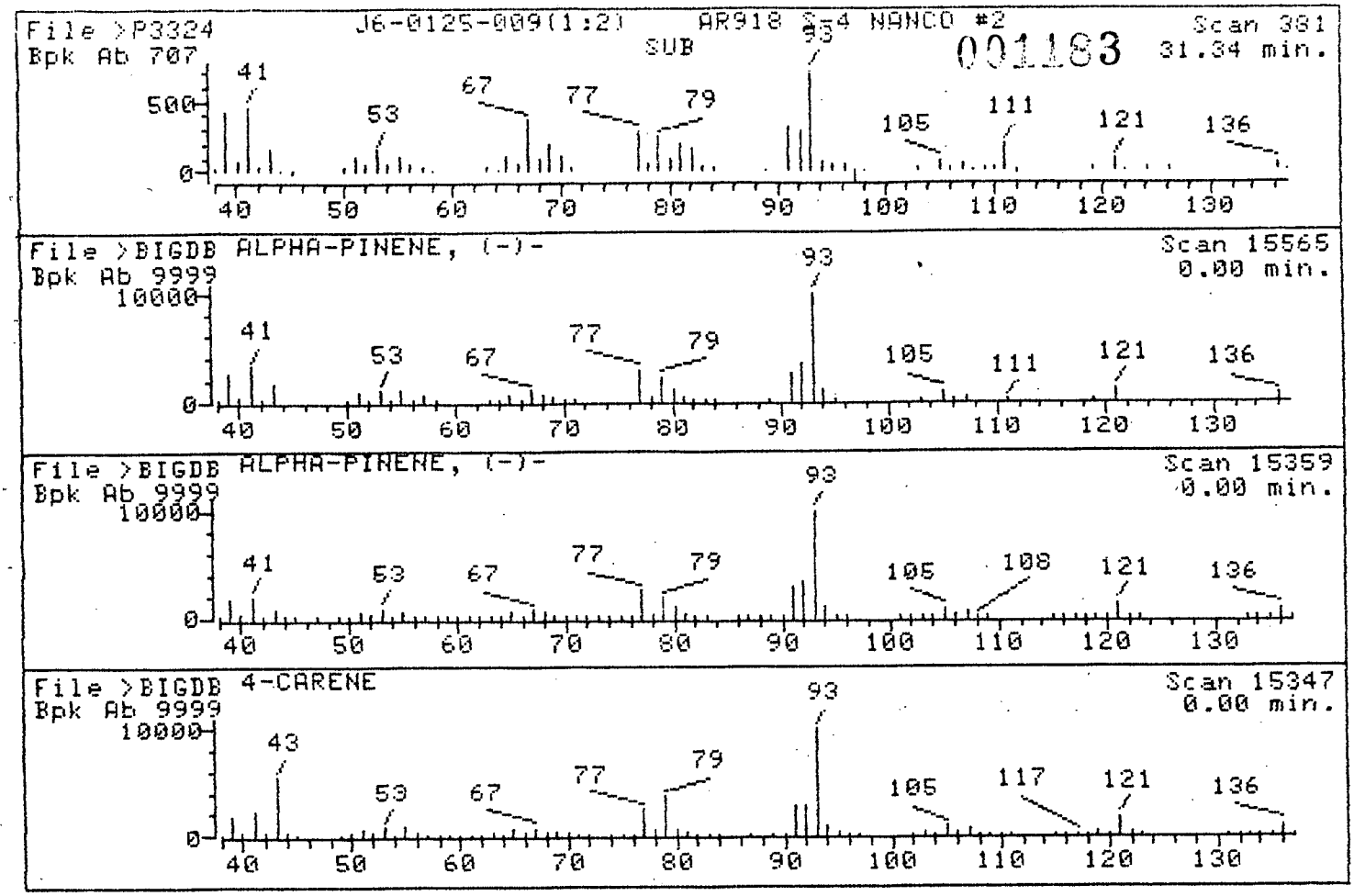
cyclohexane, 1,4 dimethyl/ Isomer

1. Cyclohexane, 1,4-dimethyl-, trans- 112 C8H16
2. Cyclohexane, 1,4-dimethyl-, cis- 112 C8H16
3. Cyclohexane, 1,3-dimethyl-, trans- 112 C8H16
4. Cyclohexane, 1,2-dimethyl-, trans- 112 C8H16
5. Cyclohexane, 1,3-dimethyl-, cis- 112 C8H16

14

Sample file: >P3324 Spectrum #: 372
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

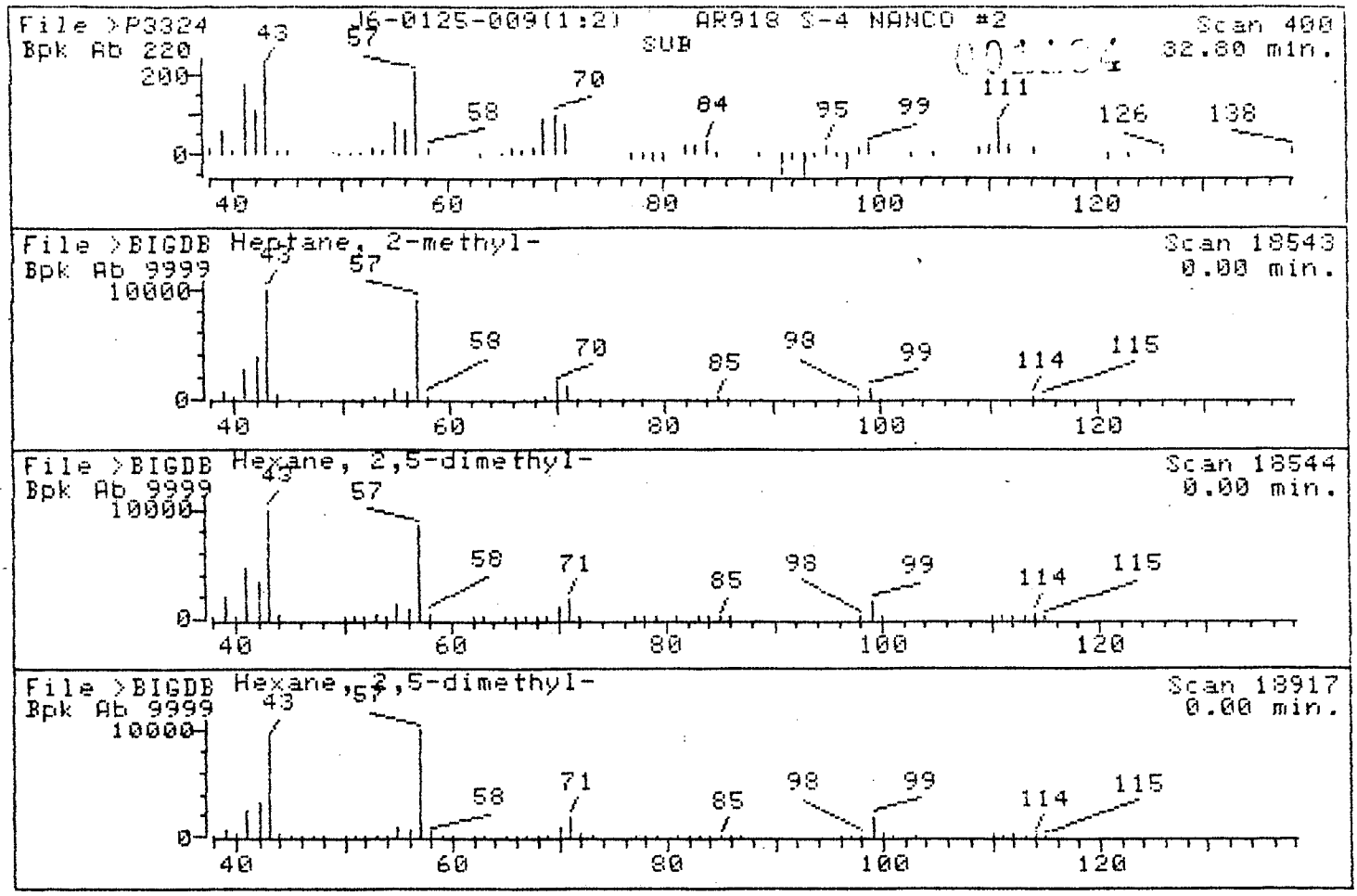
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78*	2207047	17197	"BIGDB	50	52	3	0	88	4	55	14
2.	78*	624293	17196	"BIGDB	49	53	3	0	94	0	55	14
3.	78*	2207036	17195	"BIGDB	35	65	3	0	87	2	55	13
4.	78*	6876239	17193	"BIGDB	36	71	3	0	89	5	55	13
5.	70*	638040	17194	"BIGDB	46	52	3	0	81	7	42	14



1. ALPHA-PINENE, (-)- 136 C10H16
2. ALPHA-PINENE, (-)- 136 C10H16
3. 4-CARENE 136 C10H16
4. d-Limonene 136 C10H16
5. .alpha.-Thujene 136 C10H16

Sample file: >P3324 Spectrum #: 381
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	89*	80568	15565	"BIGDB	71	35	0	0	100	24	47	89
2.	81*	80568	15359	"BIGDB	68	36	0	0	98	35	40	83
3.	76*	0	15347	"BIGDB	69	32	0	0	77	48	30	86
4.	74*	5989275	15517	"BIGDB	66	32	0	0	100	38	28	78
5.	69*	2867052	15528	"BIGDB	44	21	0	0	89	35	26	60

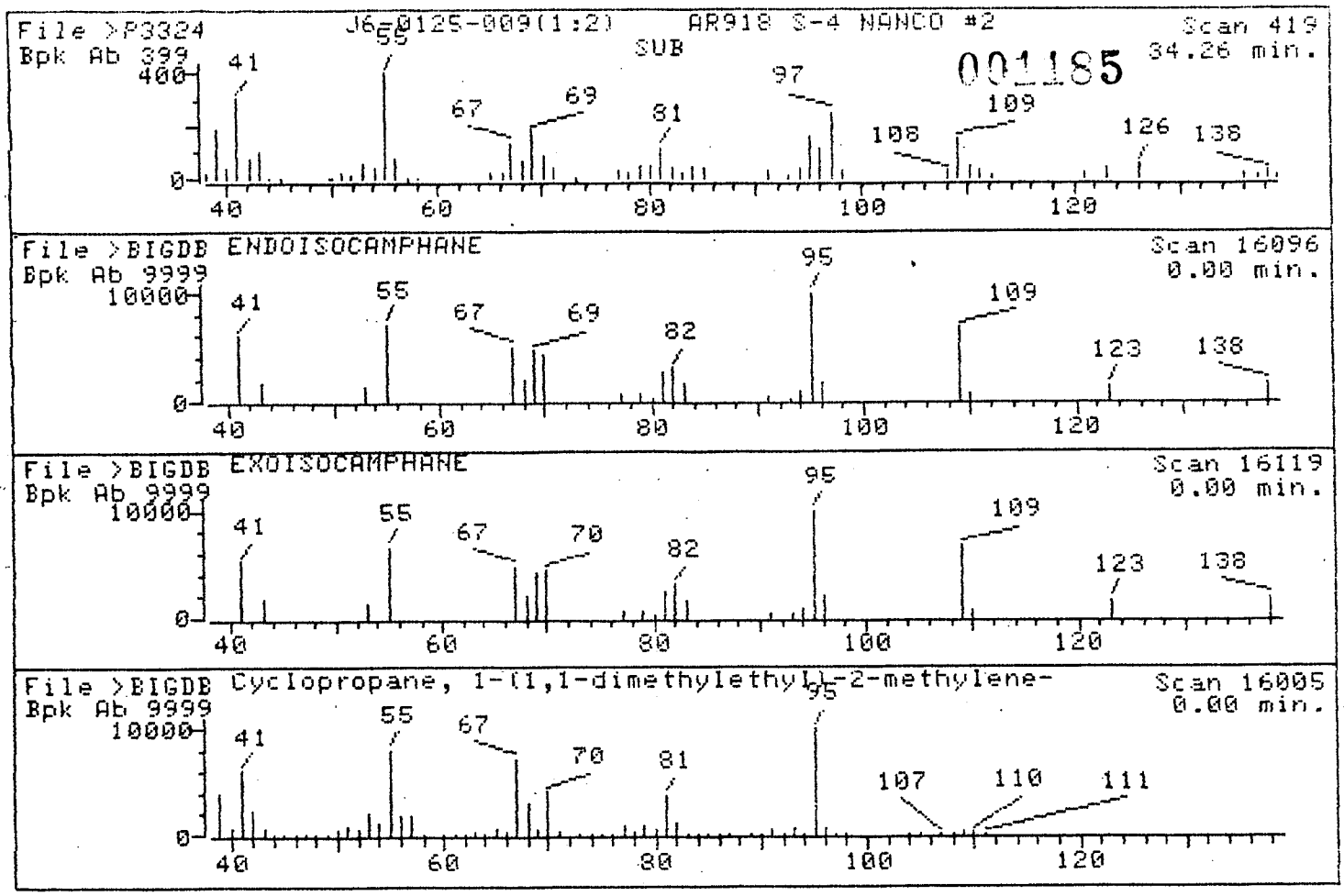


Unknown hydrocarbon 16

1.	Heptane, 2-methyl-	114	C8H18
2.	Hexane, 2,5-dimethyl-	114	C8H18
3.	Hexane, 2,5-dimethyl-	114	C8H18
4.	Heptane, 2-methyl-	114	C8H18
5.	1-Octene	112	C8H16

Sample file: >P3324 Spectrum #: 400
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

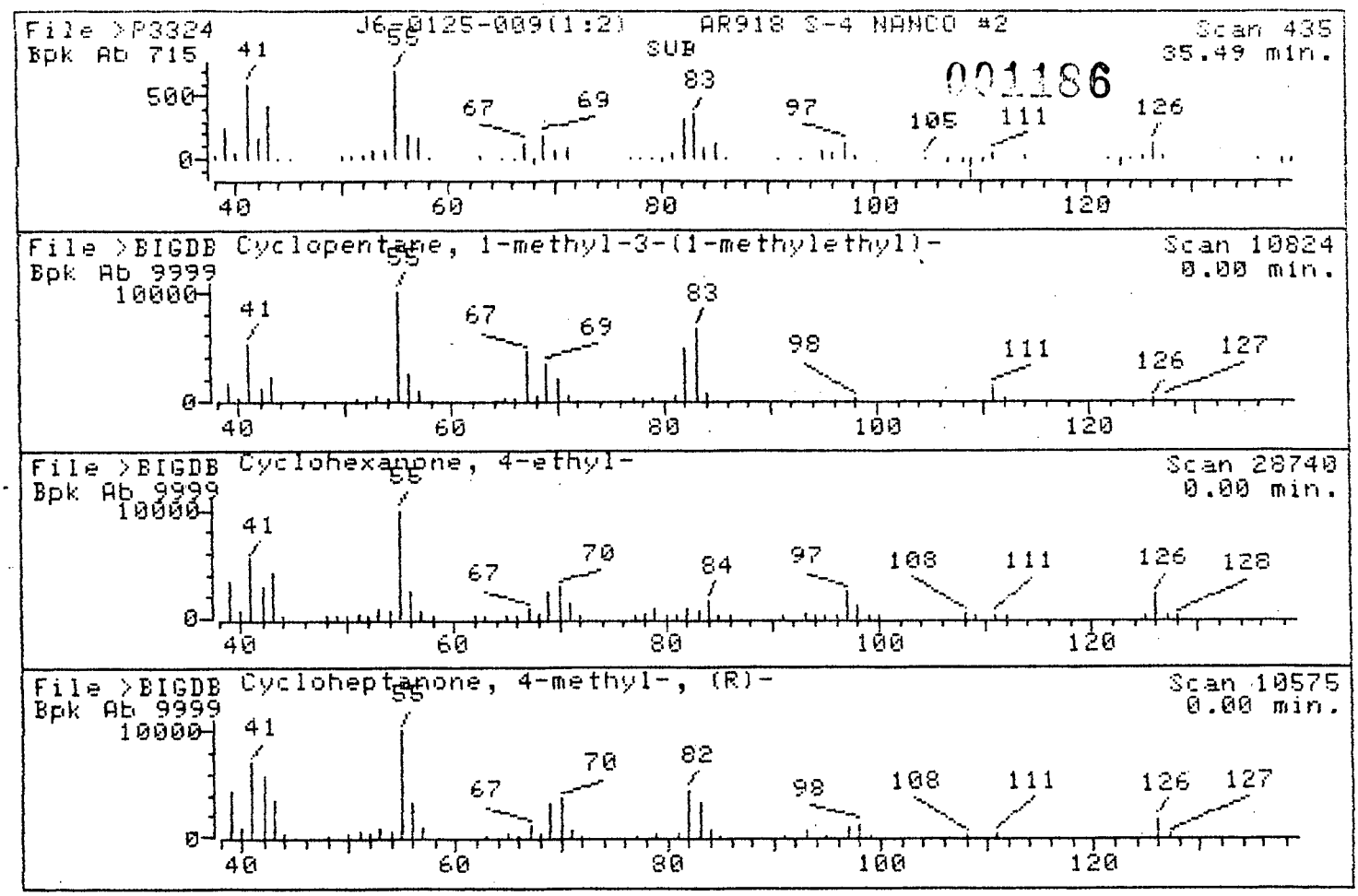
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	31*	592278	18543	"BIGDB	34	57	2	0	100	37	10	17
2.	27*	592132	18544	"BIGDB	32	61	3	0	100	40	10	13
3.	25*	592132	18917	"BIGDB	24	66	3	0	91	48	7	12
4.	20*	592278	18916	"BIGDB	34	59	2	0	82	52	5	15
5.	20*	111660	7152	"BIGDB	29	74	3	0	98	51	5	13



1.	ENDOISOCAMPHANE	138	C10H18
2.	EXOISOCAMPHANE	138	C10H18
3.	Cyclopropane, 1-(1,1-dimethylethyl)-2-methylene-	110	C8H14
4.	1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18
5.	(-)-TRANS PINANE	138	C10H18

Sample file: >P3324 Spectrum #: 419
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

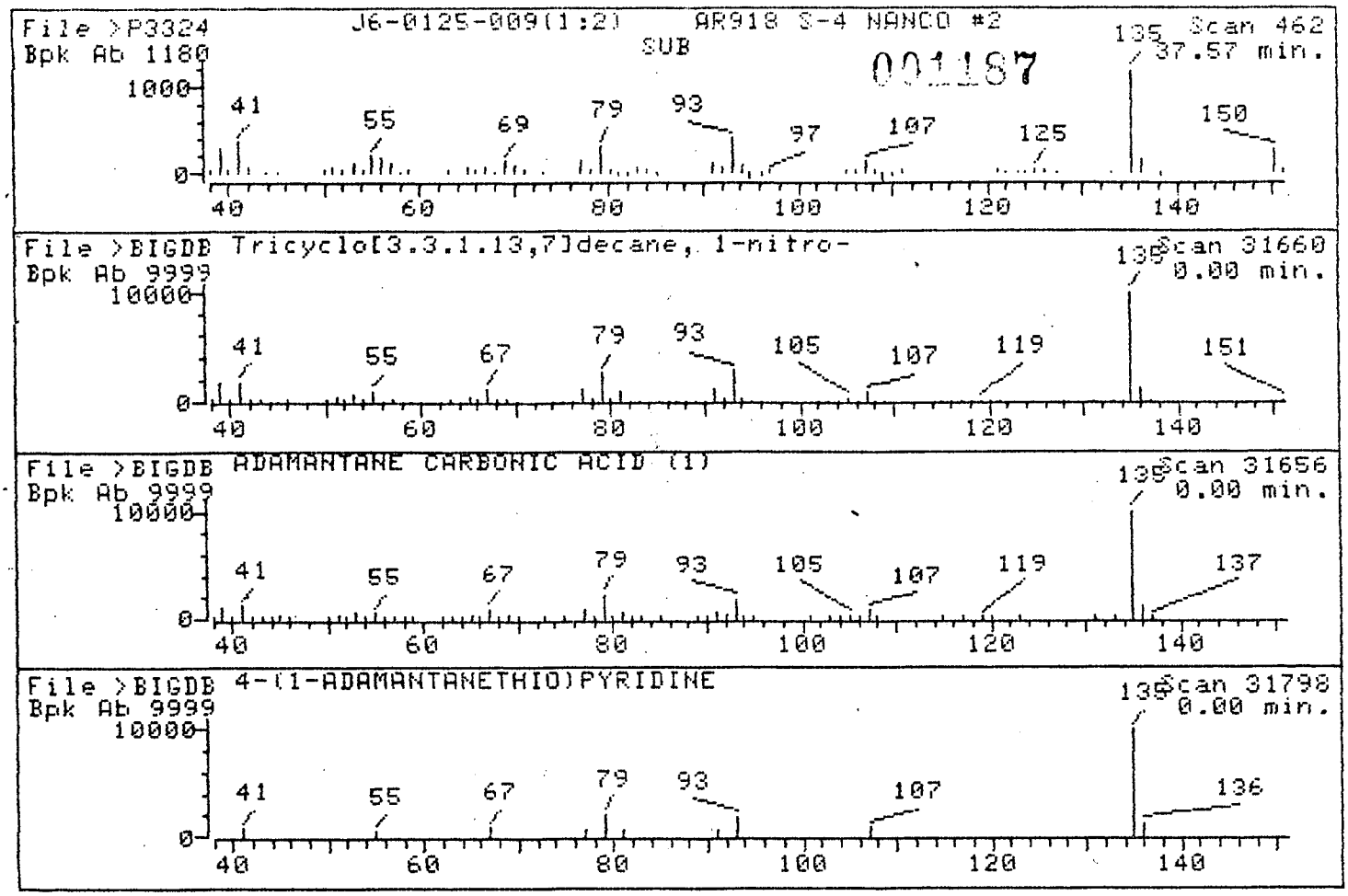
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	28*	20536407	16096	"BIGDB	39	64	0	0	31	51	8	38
2.	28*	20536418	16119	"BIGDB	39	65	0	0	32	51	8	38
3.	26*	61142254	16005	"BIGDB	47	51	0	0	38	56	7	55
4.	24*	62238282	16132	"BIGDB	49	54	2	0	70	53	7	22
5.	15*	473552	16594	"BIGDB	39	69	2	0	43	58	3	14



1. Cyclopentane, 1-methyl-3-(1-methylethyl)- 126 C9H18
2. Cyclohexanone, 4-ethyl- 126 C8H14O
3. Cycloheptanone, 4-methyl-, (R)- 126 C8H14O
4. 1-Azabicyclo[3.1.0]hexane 83 C5H9N
5. Pyridine, 2,3,4,5-tetrahydro- 83 C5H9N

Sample file: >P3324 Spectrum #: 435
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52*	53771883	10824	"BIGDB	42	60	2	0	74	20	20	15
2.	46*	5441510	28740	"BIGDB	58	47	2	0	66	37	17	35
3.	42*	13609591	10575	"BIGDB	35	76	3	0	97	21	17	13
4.	37*	285767	10749	"BIGDB	28	51	2	0	83	30	14	14
5.	37*	505180	10748	"BIGDB	26	67	2	0	89	29	14	14



Unknown

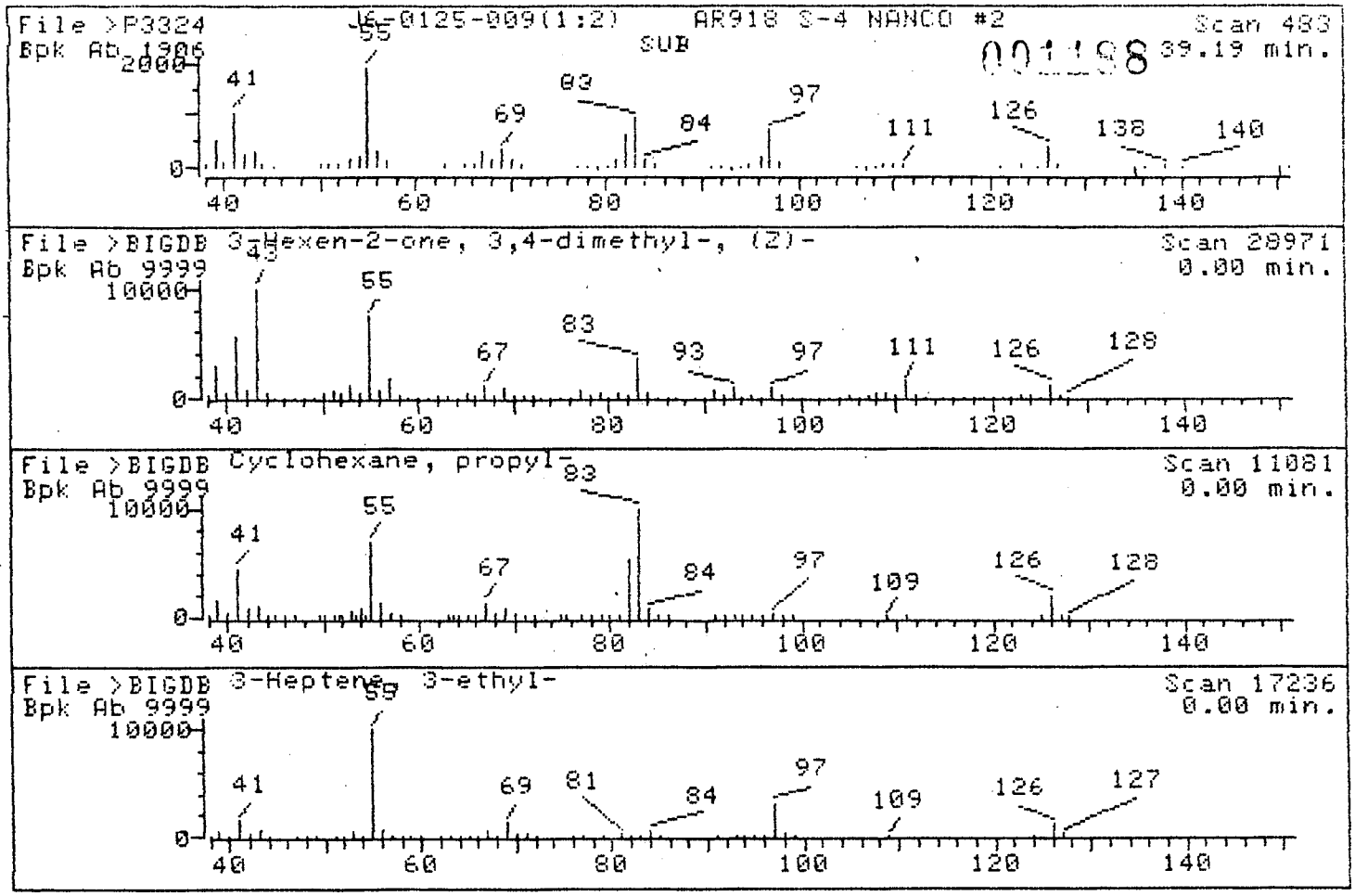
1.	Tricyclo[3.3.1.13,7]decane, 1-nitro-	181	C10H15NO2
2.	ADAMANTANE CARBONIC ACID (1)	180	C11H16O2
3.	4-(1-ADAMANTANETHIO)PYRIDINE	245	C15H19NS
4.	Phenol, 5-methyl-2-(1-methylethyl)-	150	C10H14O
5.	ADAMANTANE, 1-BROMO-	214	C10H15Br

8b

19

Sample file: >P3324 Spectrum #: 462
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52	7575828	31660	"BIGDB	61	46	2	0	81	16	20	13
2.	44	0	31656	"BIGDB	50	43	2	0	97	21	17	15
3.	43	0	31798	"BIGDB	41	37	2	0	91	23	17	14
4.	38*	89838	31988	"BIGDB	41	50	2	0	68	35	16	21
5.	38	0	31742	"BIGDB	50	47	1	0	77	28	14	15



Unknown

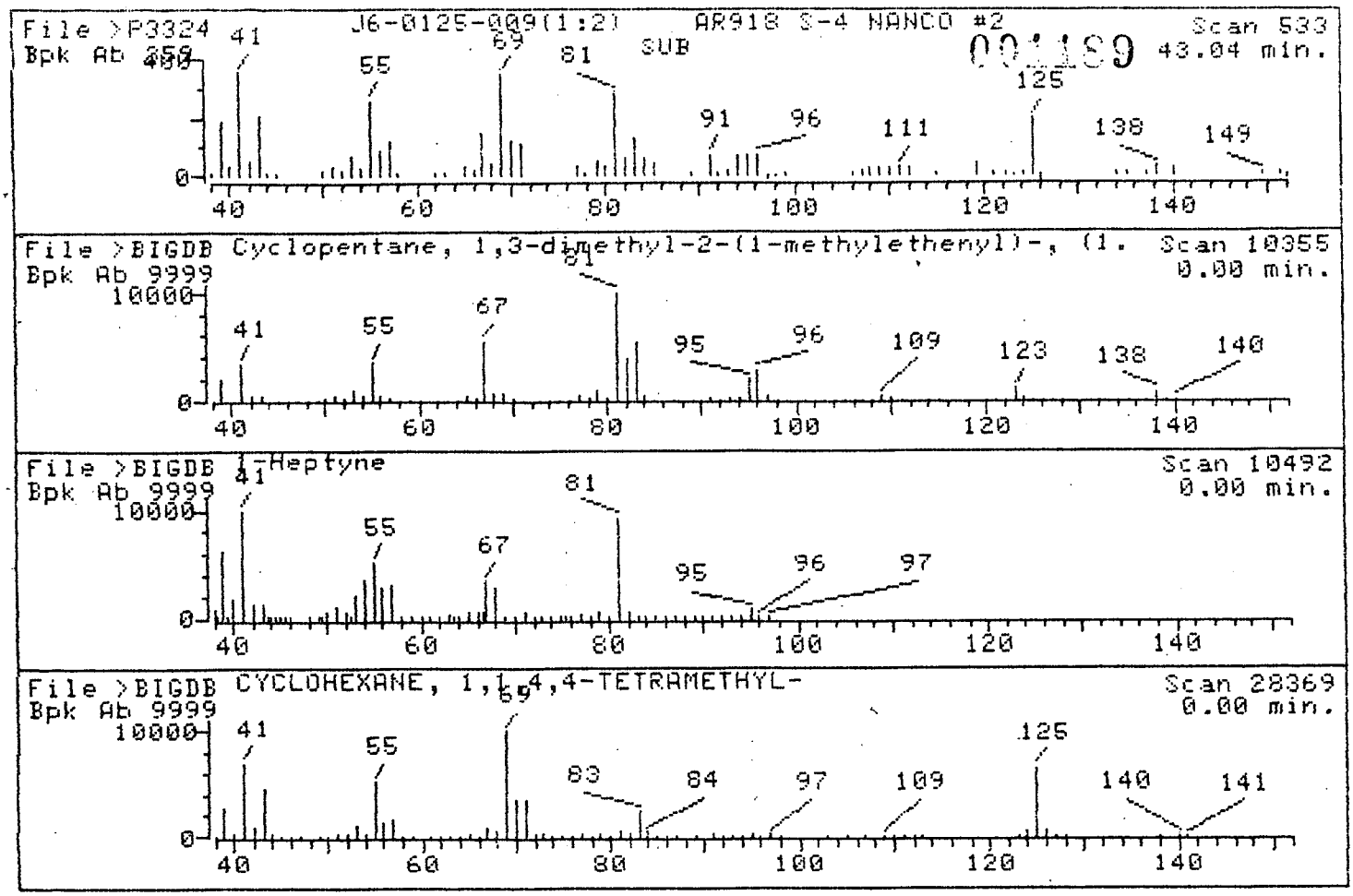
1.	3-Hexen-2-one, 3,4-dimethyl-, (Z)-	126	C8H14O
2.	Cyclohexane, propyl-	126	C9H18
3.	3-Heptene, 3-ethyl-	126	C9H18
4.	Ethanone, 1-cyclohexyl-	126	C8H14O
5.	Cyclopentane, 1-methyl-3-(1-methylethyl)-	126	C9H18

gn

20

Sample file: >P3324 Spectrum #: 483
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52*	20685454	28971	"BIGDB	41	62	3	0	134	18	20	13
2.	49*	1678928	11081	"BIGDB	58	38	2	0	95	40	17	38
3.	48*	74764468	17236	"BIGDB	47	35	1	0	100	34	20	32
4.	42*	823767	28739	"BIGDB	36	69	3	0	73	22	17	13
5.	42*	53771883	10824	"BIGDB	26	76	3	0	72	25	17	13



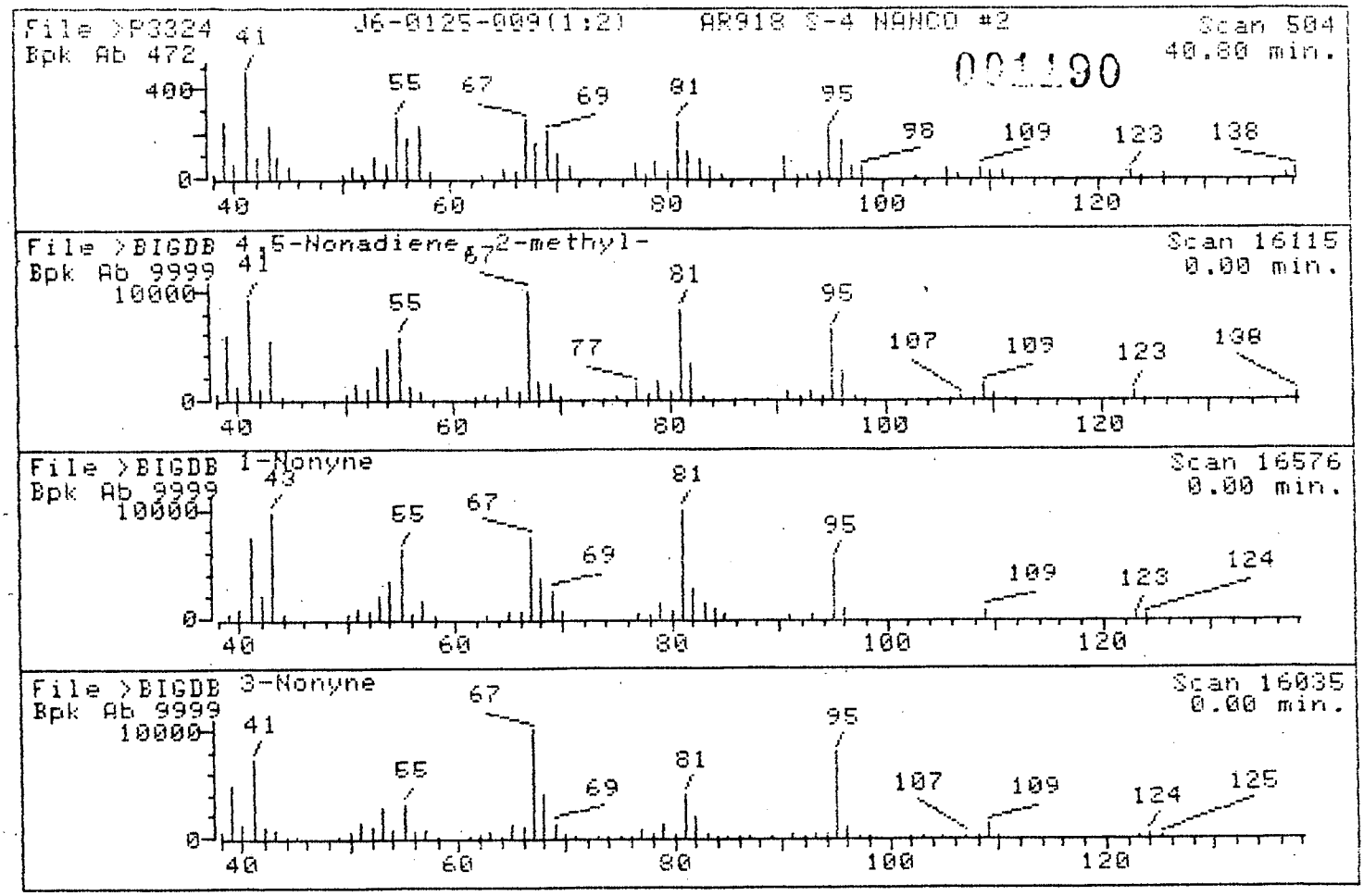
Unknown

1.	Cyclopentane, 1,3-dimethyl-2-(1-methylethenyl)-, (1. alpha.,2.alpha.,3.beta.)-	138	C10H18
2.	1-Heptyne	96	C7H12
3.	CYCLOHEXANE, 1,1,4,4-TETRAMETHYL-	140	C10H20
4.	SPIRO(3.5)NONAN-1-ONE	138	C9H14O
5.	CYCLOPROPANE, 1,1-DIMETHYL-2-ALLYL-	110	C8H14

21

Sample file: >P3324 Spectrum #: 533
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	61142312	10355	"BIGDB	36	71	3	0	74	46	7	13
2.	21*	628717	10492	"BIGDB	58	51	2	0	83	60	5	35
3.	20*	0	28369	"BIGDB	33	74	2	0	83	54	5	14
4.	15*	0	10353	"BIGDB	32	53	3	0	60	56	3	14
5.	15*	0	6208	"BIGDB	37	59	2	0	100	57	3	15

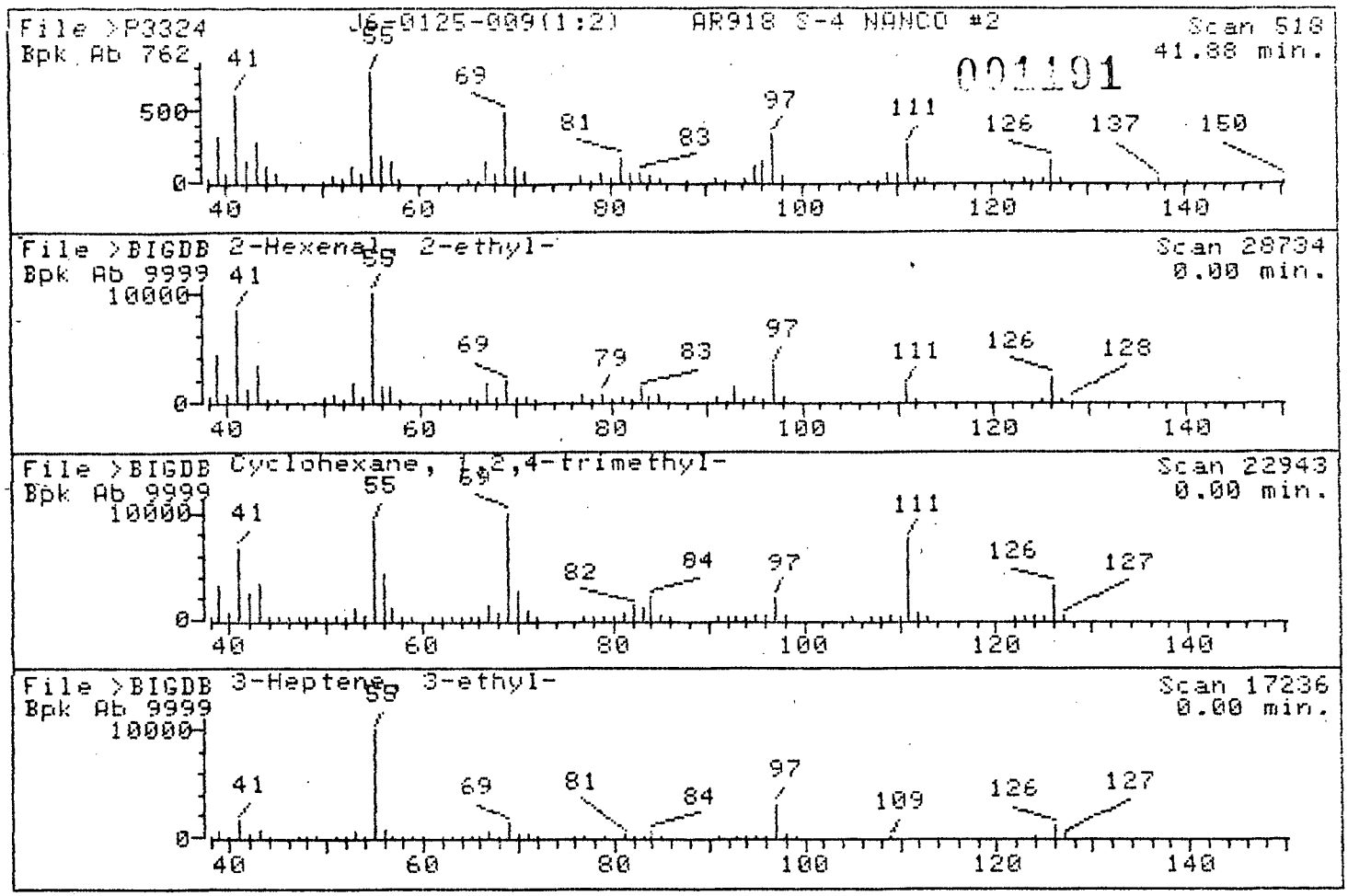


Unknown Hydrocarbon

1. 4,5-Nonadiene, 2-methyl- — 138 C10H18
2. 1-Nonyne — 124 C9H16
3. 3-Nonyne — 124 C9H16
4. 1-Hexadecyne — 222 C16H30
5. 7-13C-METHYLENE-CYCLOHEXANE — 96 C7H12

Sample file: >P3324 Spectrum #: 504
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	62*	55956326	16115	"BIGDB	74	44	1	0	54	47	20	72
2.	48	3452093	16576	"BIGDB	86	25	2	0	73	35	20	32
3.	40*	20184898	16035	"BIGDB	44	58	0	0	47	50	12	49
4.	39	629743	16967	"BIGDB	82	64	2	0	53	32	16	22
5.	36*	33717963	17146	"BIGDB	60	69	3	0	53	41	12	27

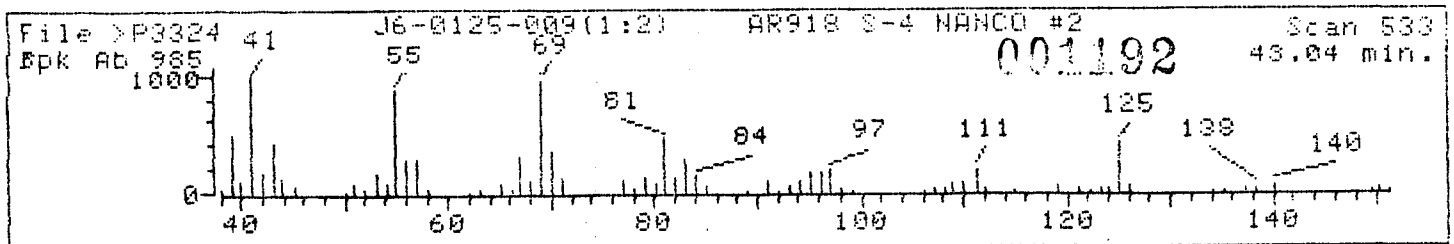


unknown

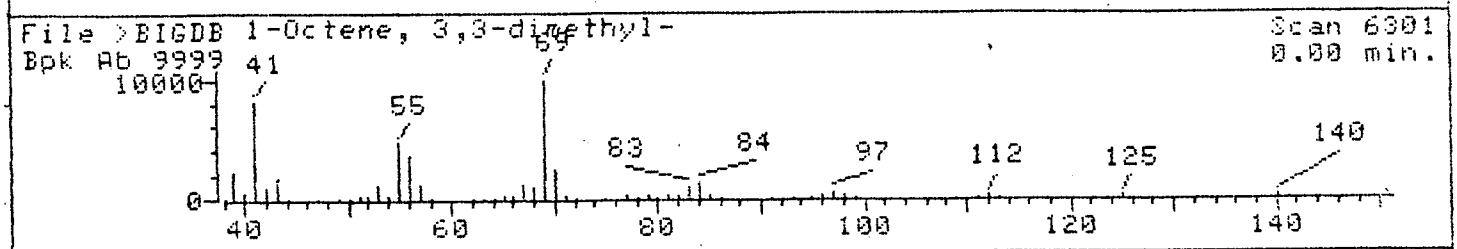
1. 2-Hexenal, 2-ethyl- 126 C8H14O 2C
2. Cyclohexane, 1,2,4-trimethyl- 126 C9H18
3. 3-Heptene, 3-ethyl- 126 C9H18
4. Cyclohexane, 1-ethyl-2-methyl-, cis- 126 C9H18
5. 7-Oxabicyclo[4.1.0]heptan-2-one, 6-methyl- 126 C7H10O2

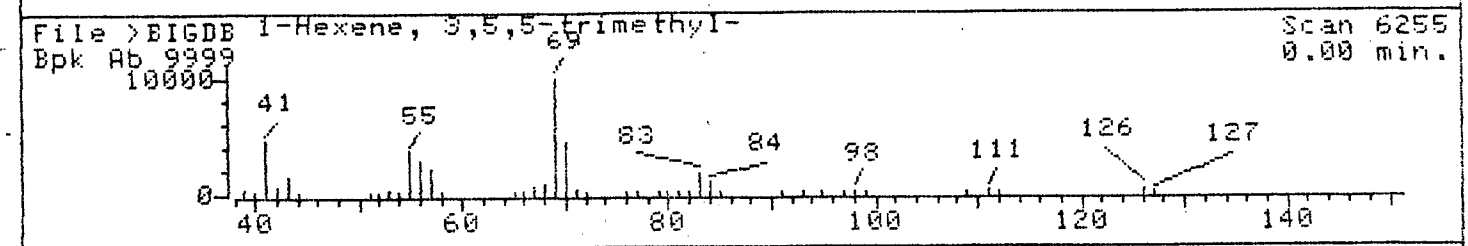
Sample file: >P3324 Spectrum #: 518
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

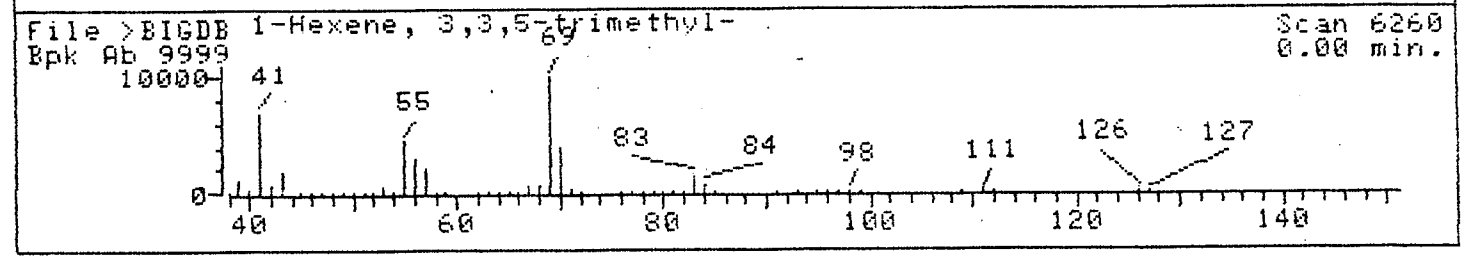
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	36*	645625	28734	"BIGDB	48	60	2	0	77	32	12	19
2.	32*	2234755	22943	"BIGDB	54	48	1	0	45	54	9	40
3.	30*	74764468	17236	"BIGDB	30	52	0	0	100	48	10	22
4.	30*	4923777	17785	"BIGDB	48	44	2	0	103	48	10	28
5.	26*	21889894	28724	"BIGDB	35	83	2	0	70	43	8	14



001192







Unknown Hydrocarbon

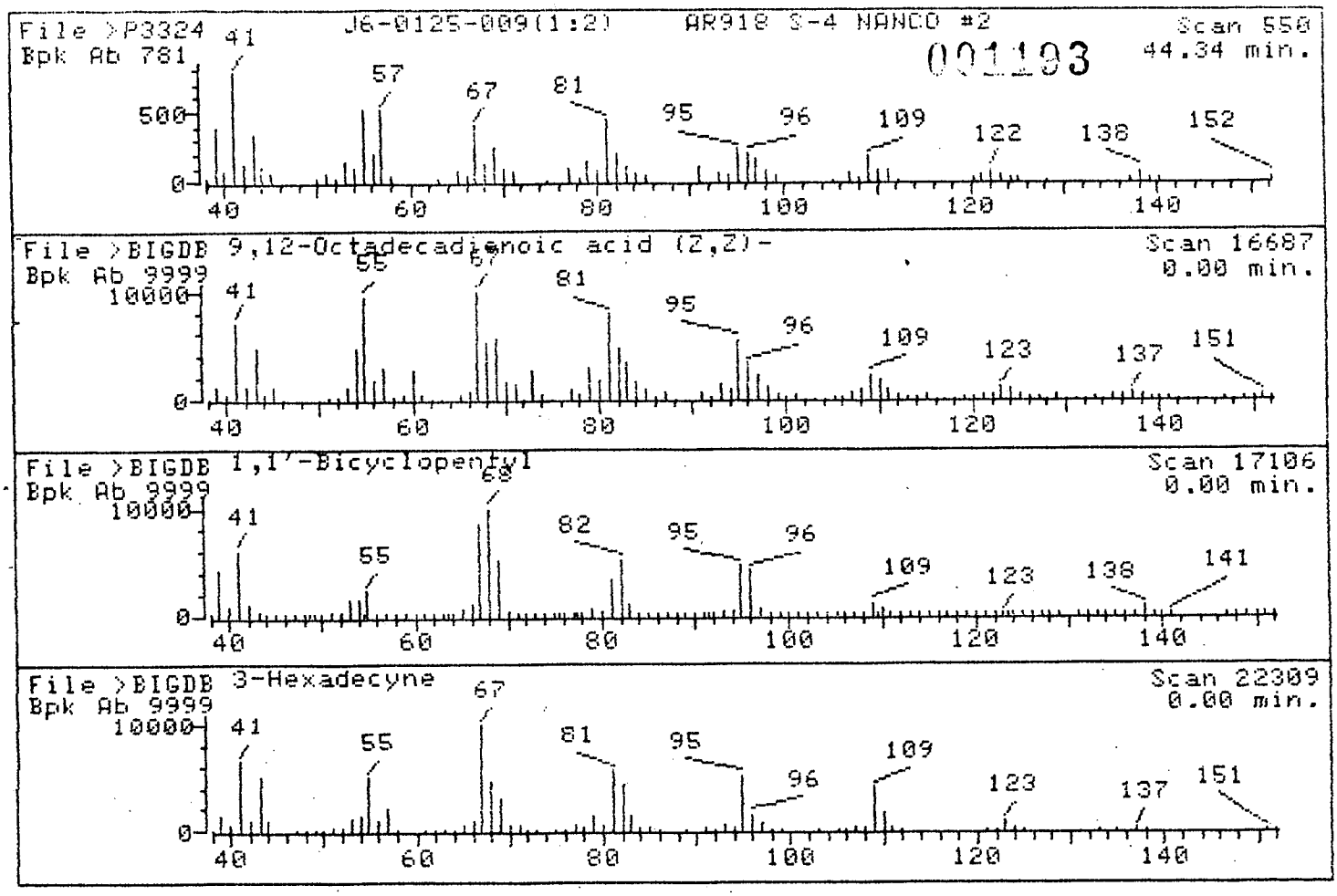
(27

1.	1-Octene, 3,3-dimethyl-	140	C10H20
2.	1-Hexene, 3,5,5-trimethyl-	126	C9H18
3.	1-Hexene, 3,3,5-trimethyl-	126	C9H18
4.	Cyclopentane, (3-methylbutyl)-	140	C10H20
5.	Cyclopropane, 1,1-dimethyl-2-pentyl-	140	C10H20

29

Sample file: >P3324 Spectrum #: 533
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	41*	74511516	6301	"BIGDB	50	56	1	0	97	45	14	32
2.	40*	4316658	6255	"BIGDB	42	51	0	0	79	46	12	44
3.	40*	13427435	6260	"BIGDB	41	51	0	0	90	46	12	43
4.	31*	1005681	6306	"BIGDB	31	80	2	0	69	35	12	14
5.	30*	62167979	6303	"BIGDB	38	62	1	0	82	50	10	21

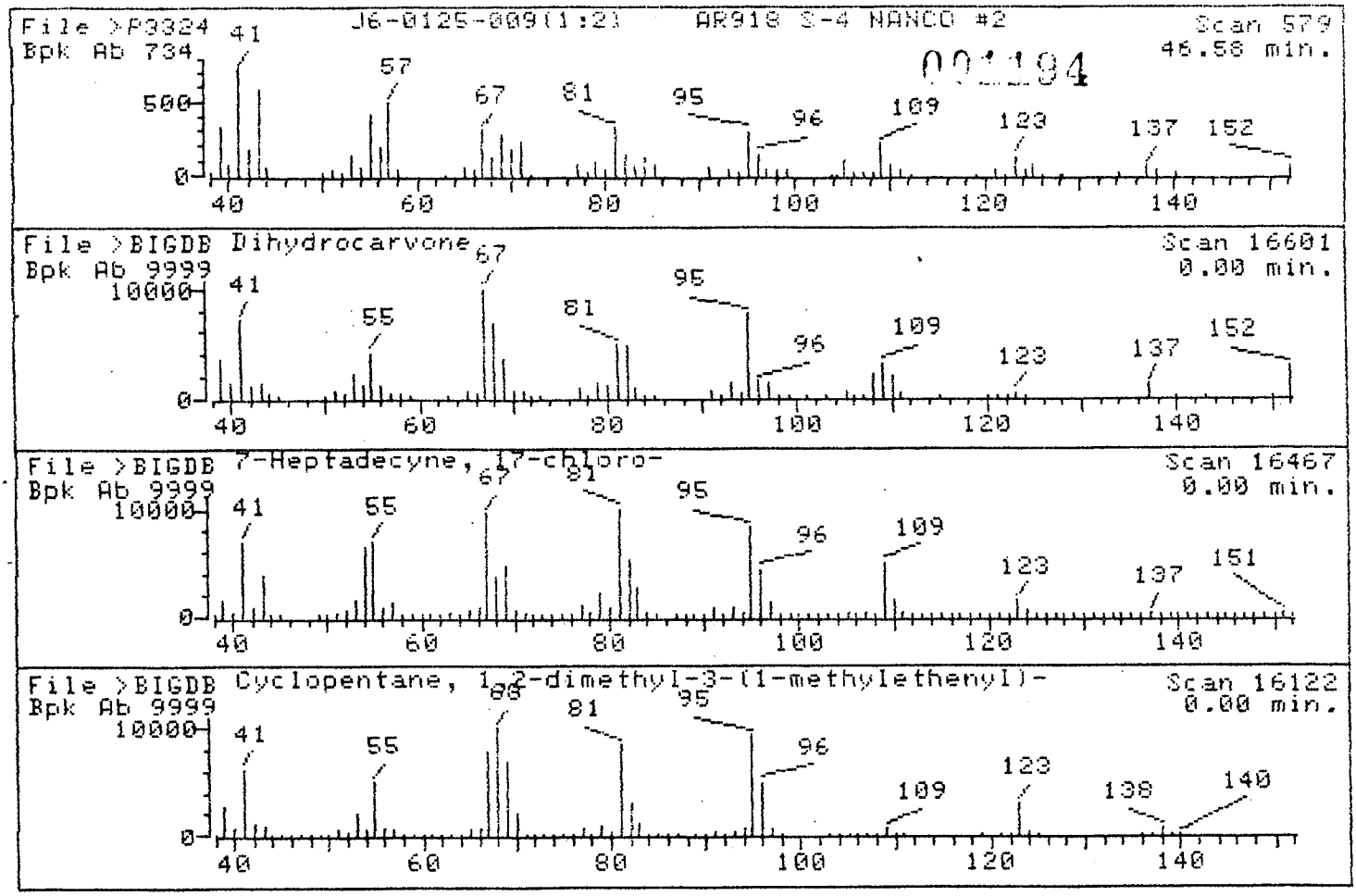


unknown

1. 9,12-Octadecadienoic acid (Z,Z)- — 280 C18H32O2 — 2Y
2. 1,1'-Bicyclopentyl — 138 C10H18
3. 3-Hexadecyne — 222 C16H30
4. 4,5-Nonadiene — 124 C9H16
5. o-Menth-8-ene — 138 C10H18

Sample file: >P3324 Spectrum #: 550
Search speed: 1 Tilting option: N No. of ion ranges searched: 50

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	44	60333	16687	"BIGDB	82	93	3	0	52	23	17	15
2.	38*	1636391	17106	"BIGDB	49	52	1	0	48	45	12	29
3.	37	61886622	22309	"BIGDB	67	66	1	0	52	39	14	24
4.	35*	821749	16774	"BIGDB	36	59	0	0	40	50	11	34
5.	35*	15193256	16803	"BIGDB	61	58	2	0	56	48	11	38



001194

29

unknown

20

1.	Dihydrocarvone	152	C10H16O
2.	7-Heptadecyne, 17-chloro-	270	C17H31Cl
3.	Cyclopentane, 1,2-dimethyl-3-(1-methylethenyl)-	138	C10H18
4.	CYCLOPENTANE, 1-ISOPROPENYL-2,3-DIMETHYL-	138	C10H18
5.	Dihydrocarvone	152	C10H16O

Sample file: >P3324 Spectrum #: 579
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	50*	5948049	16601	"BIGDB	57	54	2	0	35	32	20	34
2.	45	56554757	16467	"BIGDB	74	61	1	0	34	32	16	28
3.	41*	6983035	16122	"BIGDB	61	44	2	0	42	45	14	38
4.	41*	0	16136	"BIGDB	56	51	2	0	42	44	14	33
5.	40*	5948049	16170	"BIGDB	50	64	2	0	31	32	16	23

AK 918 - S-4 9/24/86 1077

YP 3324 J6-0125-009 moisture: 56%

dil (1:2)

HSL	CONC	Dry wt
Methylene Chloride	4.08	9
Acetone	42.41	96
Toluene	6.48	15
Ethylbenzene	5.54	13

001195

SURROG.	CONC.	% REC
Toluene-d8	54.91	110
4-BFB	51.15	102
1,2-Dichloroethane-d4	47.36	95

TIC $50 \times 1 \div (1-0.56) = 114$

			Dry wt
C-> Unknown hydrocarbon	(18.10)	$\frac{8089 \times 114}{37809} =$	24
107835 Pentane 2-methyl	(21.18)	$\frac{9834 \times 114}{37809} =$	30
110543 Hexane	(22.80)	$\frac{12454 \times 114}{37809} =$	37
C-> Unknown Hydrocarbon	(23.88)	$\frac{172245 \times 114}{37809} =$	519
C-> Unknown	(25.95)	$\frac{73940 \times 114}{37809} =$	223
C-> Unknown	(28.34)	$\frac{76764 \times 114}{37809} =$	231
C-> Unknown Hydrocarbon	(29.11)	$\frac{215401 \times 114}{37809} =$	649
C-> Unknown	(29.72)	$\frac{33265 \times 114}{37809} =$	100
2207047 Cyclohexane 1-4 dimethyl	(30.65)	$\frac{25670 \times 114}{37809} =$	77
C-> Unknown	(31.34)	$\frac{127278 \times 114}{37809} =$	384

Processed & Un

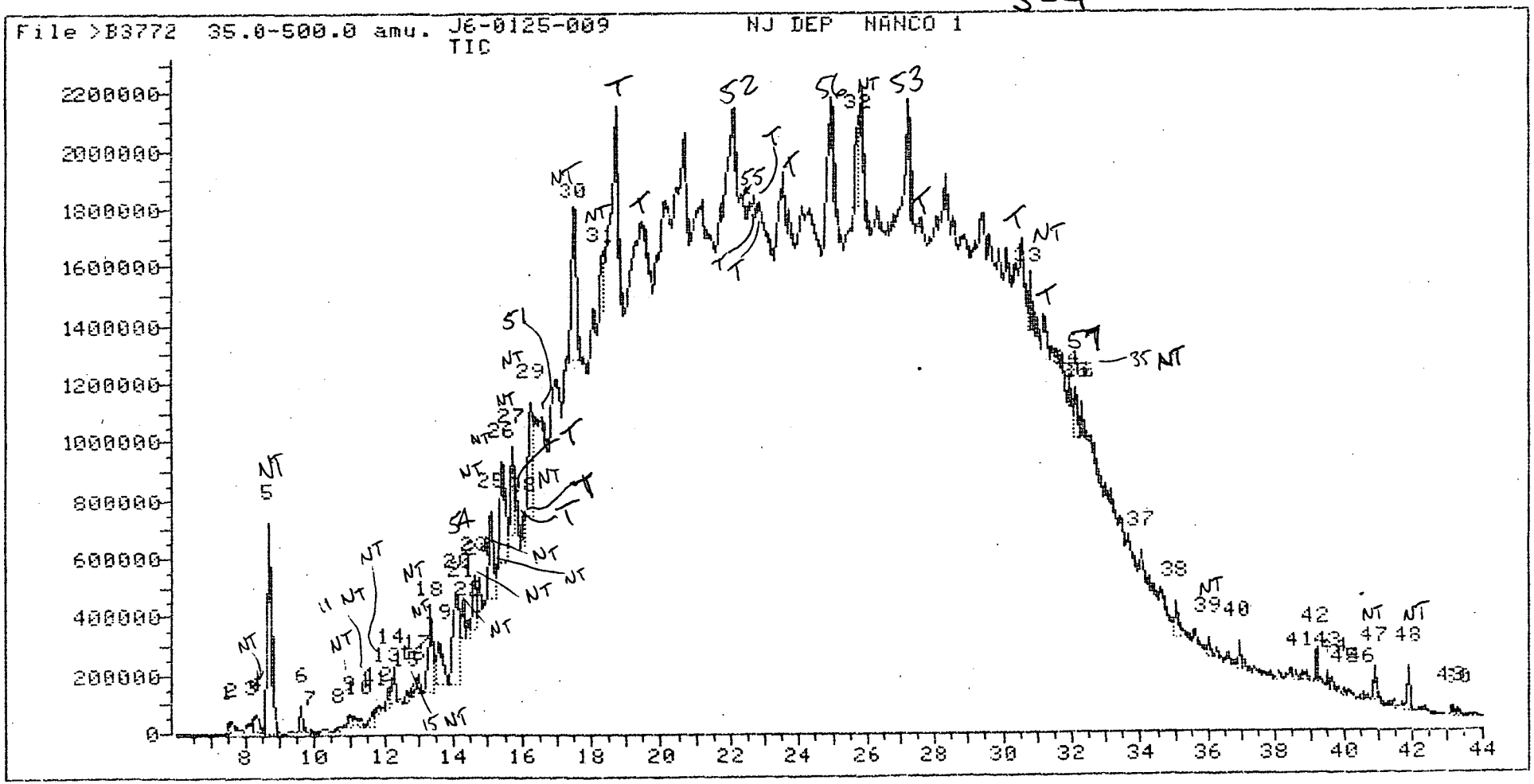
				Dry wt.
C-> Unknown Hydrocarbon	(32.80)	$\frac{59577 \times 114}{37809}$	=	180
C-> Unknown	(34.26)	$\frac{158463 \times 114}{37809}$	=	478
C-> Unknown	(35.49)	$\frac{179109 \times 114}{37809}$	=	540
C-> Unknown	(37.57)	$\frac{268569 \times 114}{37809}$	=	810
C-> Unknown	(39.19)	$\frac{388769 \times 114}{37809}$	=	1172
C-> Unknown	(43.03)	$\frac{183108 \times 114}{37809}$	=	552
C-> Unknown	(40.80)	$\frac{35957 \times 114}{37809}$	=	108
C-> Unknown	(41.88)	$\frac{68095 \times 114}{37809}$	=	205
C-> Unknown hydrocarbon	(43.03)	$\frac{226911 \times 114}{37809}$	=	684
C-> Unknown	(44.34)	$\frac{250794 \times 114}{37809}$	=	756
C-> Unknown	(46.58)	$\frac{352005 \times 114}{37809}$	=	1061

Witnesses

Malini Mehta 10/28/86

INJECTED 10-28-86 13:38

S-4



PK #

17 1,4-DICHLOROBENZENE d4 (IS)
51 NAPHTHALENE d8 (IS)
52 ACENAPHTHENE d10 (IS)
53 PHENANTHRENE d10 (IS)
38 CHRYSENE d12 (IS)
42 PERYLENE d12 (IS)

PK #

14 PHENOL d6 (SURR)
6 2-FLUOROPHENOL (SURR)
54 NITROBENZENE d5 (SURR)
55 2-FLUOROBIPHENYL (SURR)
56 2,4,6-TRIBROMOPHENOL (SURR)
57 TERPHENYL d14 (SURR)

QUANT REPORT

Operator ID: MORRIS
Output File: ^B3772::AQ
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1

Quant Rev: 4
Quant Time: 861028 15:03
Injected at: 861028 13:38
Dilution Factor: 74.000

BTL# 3

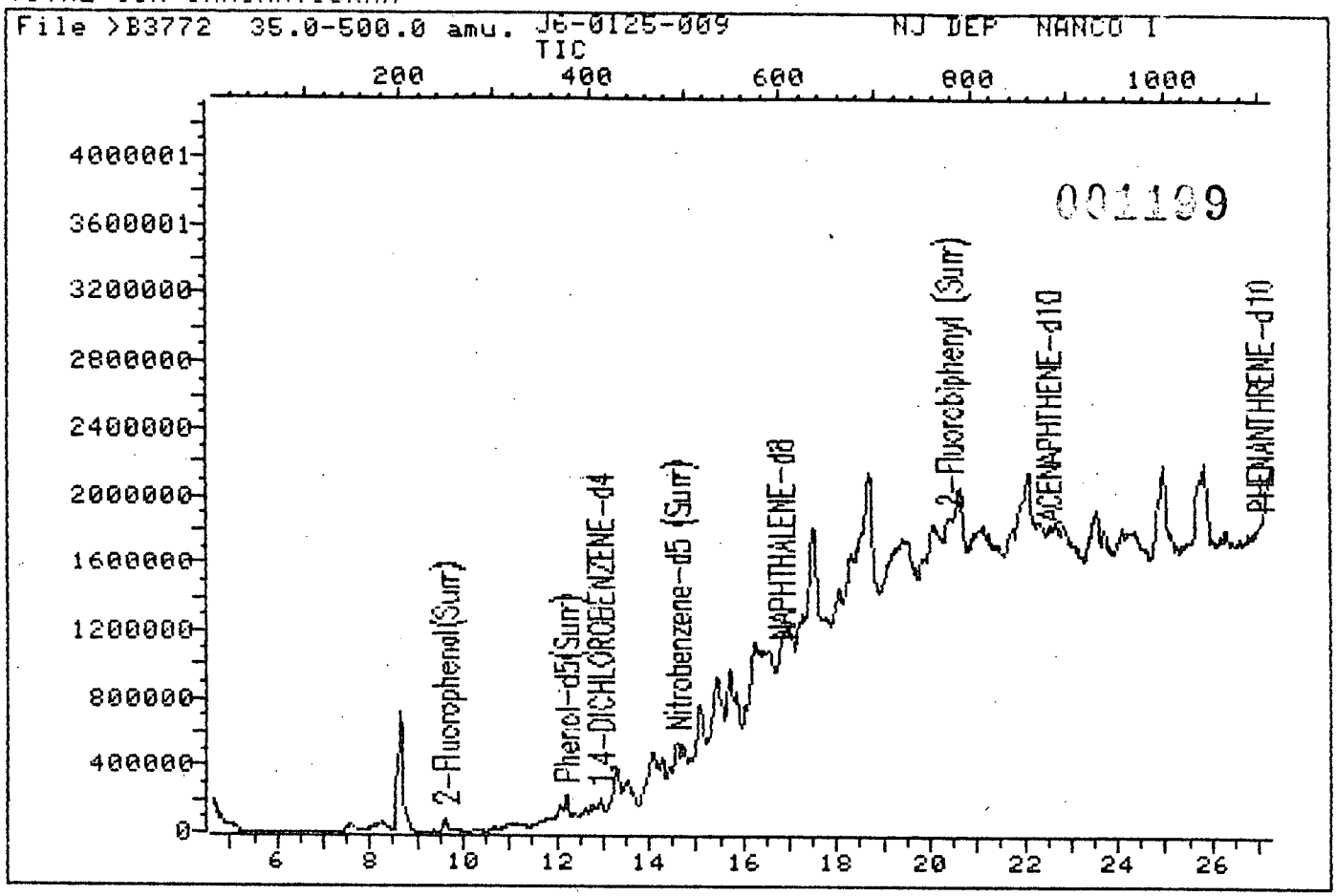
ID File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861028 15:02

001198

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4	12.94	411	105808	40.00	UG	96
14)	*NAPHTHALENE-d8	16.81	601	211764	40.00	UG	100
16)	Isophorone	15.73	548	177731	3836.32	UG	65
17)	2-Nitrophenol	16.01	562	23511	1513.56	UG	100
18)	2,4-Dimethylphenol	16.18	570	14170	644.50	UG	69
~~19)~~	~~Benzoic Acid~~	~~17.26~~	~~623~~	~~8894~~	~~549.87~~	~~UG~~	~~9~~ nu
26)	4-Chloro-3-Methylphenol	18.95	706	54061	2895.77	UG	16
27)	2-Methylnaphthalene	19.50	733	650956	15286.27	UG	93
28)	*ACENAPHTHENE-d10	22.52	881	23562	40.00	UG	89
36)	3-Nitroaniline	22.24	867	22698	9060.38	UG	80
37)	Acenaphthene	22.63	886	44934	5348.56	UG	79
40)	Dibenzofuran	22.71	890	19056	1484.90	UG	52
41)	2,4-Dinitrotoluene	23.30	919	38211	13165.19	UG	96
47)	*PHENANTHRENE-d10	27.05	1102	32200	40.00	UG	67
53)	Phenanthrene	27.11	1105	121477	11009.70	UG	91
56)	Fluoranthene	30.45	1268	20853	2951.85	UG	8
57)	*CHRYSENE-d12	35.03	1491	32641	40.00	UG	100
58)	Pyrene	31.39	1314	62133	4089.71	UG	91
64)	*PERYLENE-d12	39.10	1690	9904M	40.00	UG	
72)	* 1,4 Dichlorobenzene(IS)	12.94	411	105808	40.00	UG	96
73)	Phenol-d5(Surr)	12.21	375	221824	3239.41	UG	86
74)	2-Fluorophenol(Surr)	9.61	247	114114	2063.63	UG	93
75)	*Naphthalene-d8 (IS)	16.81	601	211764	40.00	UG	84
76)	Nitrobenzene-d5 (Surr)	14.61	493	128597	3241.47	UG	77
77)	*Acenaphthene-d10 (IS)	22.52	881	23562	40.00	UG	89
78)	2-Fluorobiphenyl (Surr)	20.42	778	43108 ~~76508~~	~~6376.56~~ UG 3593.23		91
79)	2,4,6-Tribromophenol(Surr)	24.98	1001	7169M	3521.13	UG	
80)	*Chrysene-d12 (IS)	35.03	1491	32641	40.00	UG	100
81)	Terphenyl-d14 (Surr)	31.99	1343	35670	3151.11	UG	97

* Compound is ISTD

TOTAL ION CHROMATOGRAM



001199

Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1

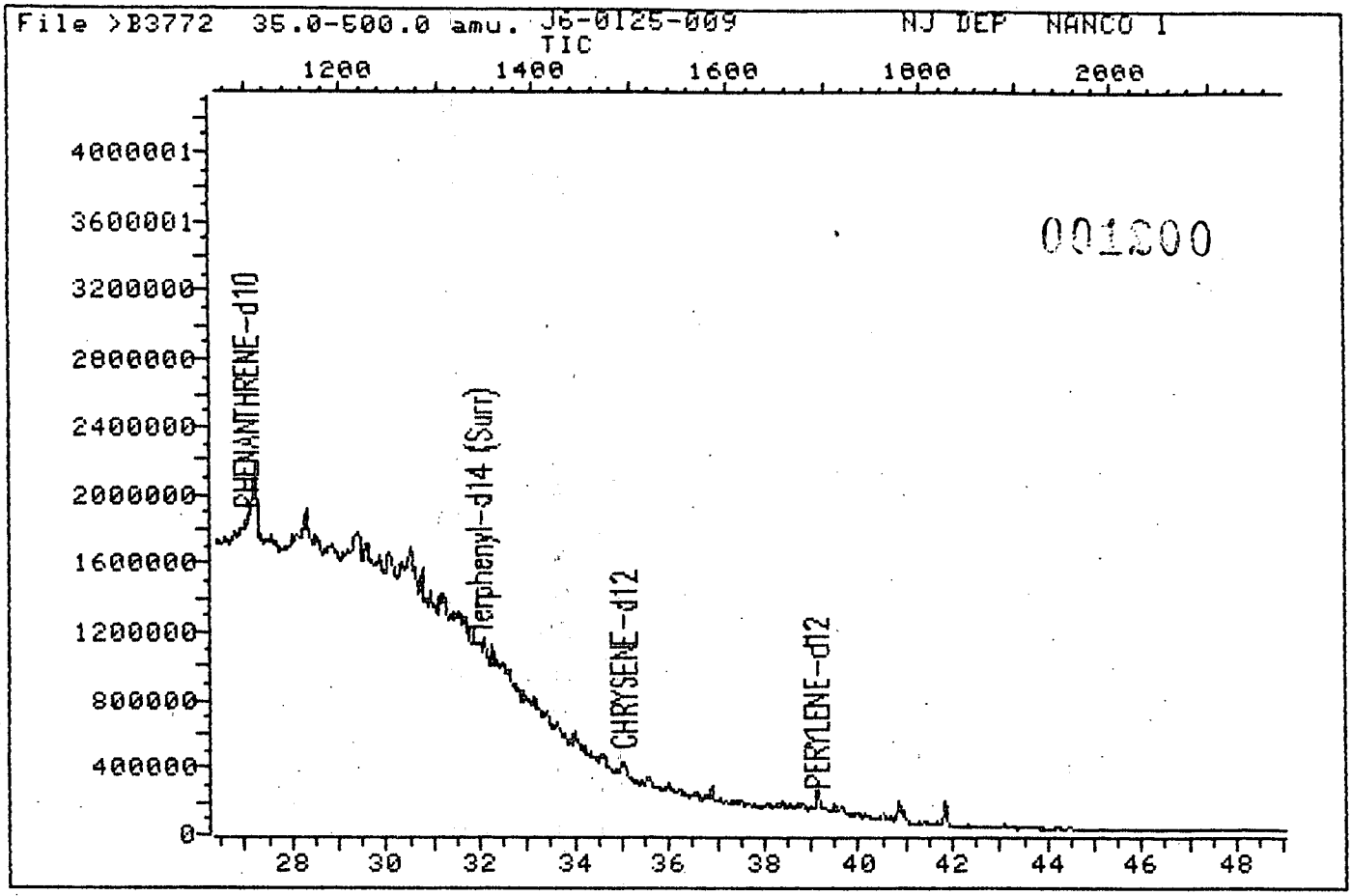
BTL# 3

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861028 15:02

Operator ID: MORRIS
Quant Time: 861028 15:03
Injected at: 861028 13:38

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



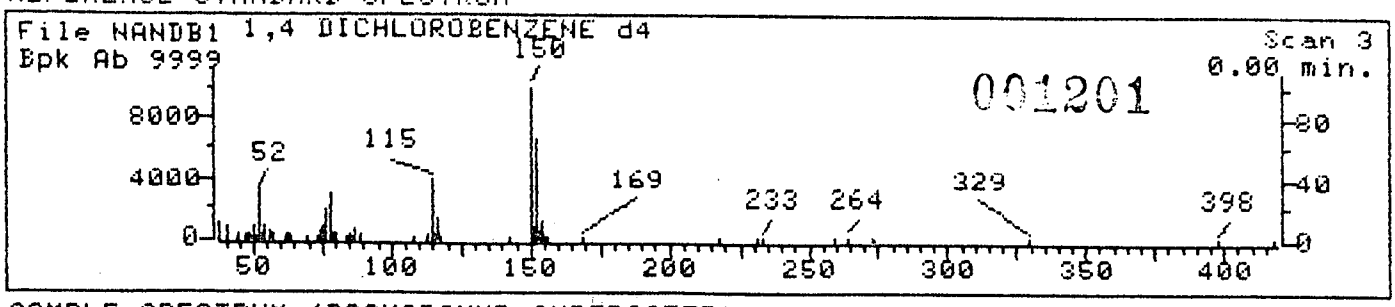
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3

Id File: IDEPA1::NA
Title: IDEPA BNA
Last Calibration: 861028 15:02

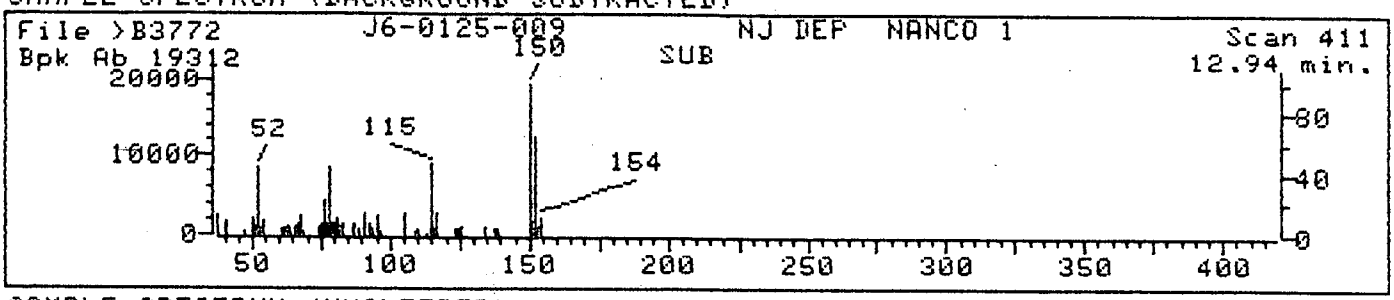
Operator ID: MORRIS
Quant Time: 861028 15:03
Injected at: 861028 13:38

TIC page 2 of 2

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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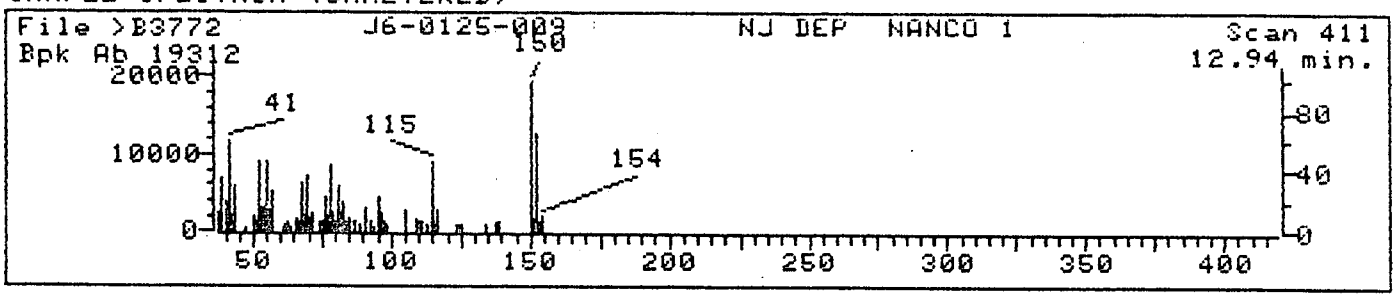
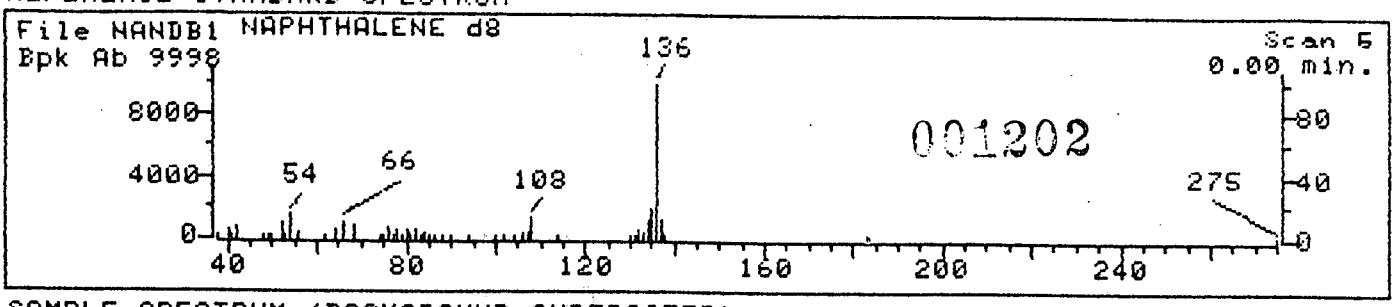


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 1 (ISTD)
Compound Name: 1,4-DICHLOROBENZENE-d4
Scan Number: 411
Retention Time: 12.94 min.
Area: 105808
Concentration: 40.00 UG
q-value: 96

REFERENCE STANDARD SPECTRUM



001202

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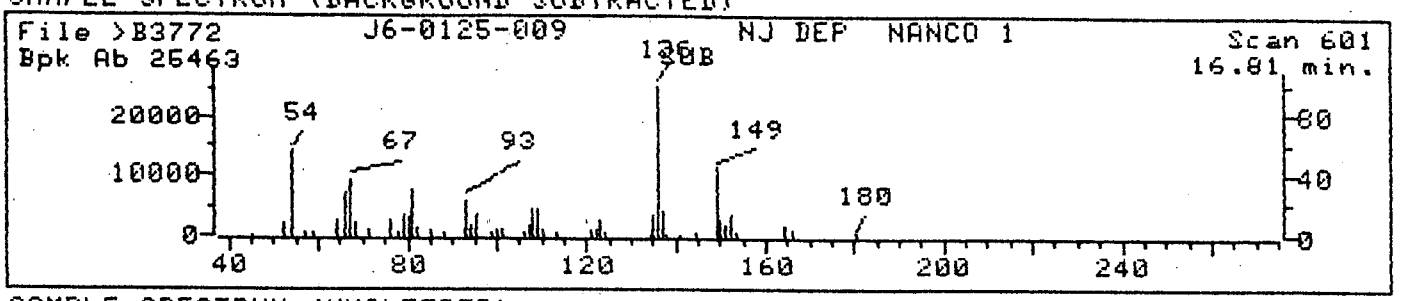

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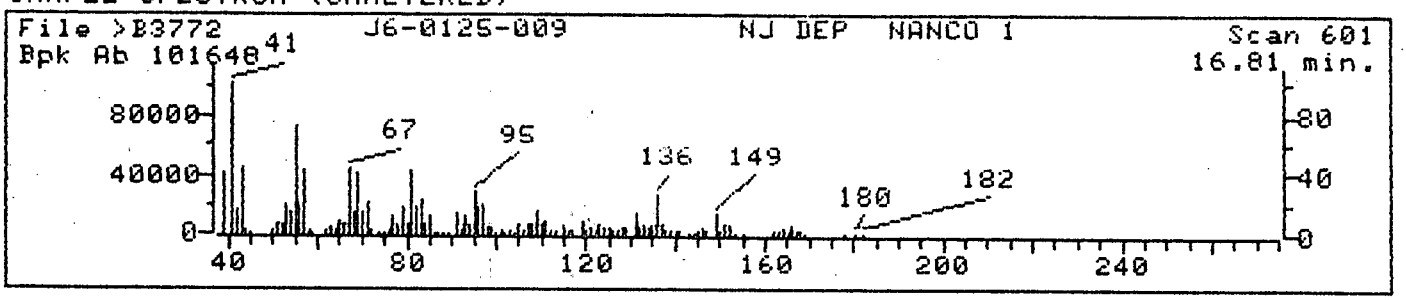
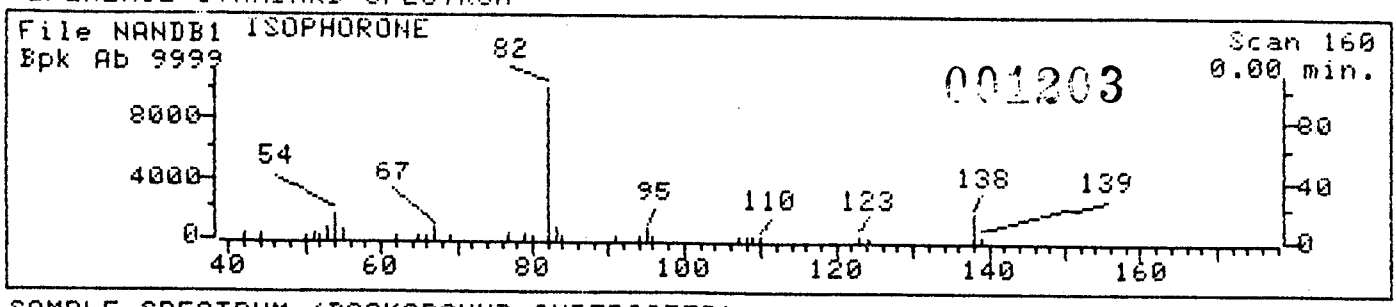


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 14 (ISTD)
Compound Name: NAPHTHALENE-d8
Scan Number: 601
Retention Time: 16.81 min.
Area: 211764
Concentration: 40.00 UG
q-value: 100

REFERENCE STANDARD SPECTRUM



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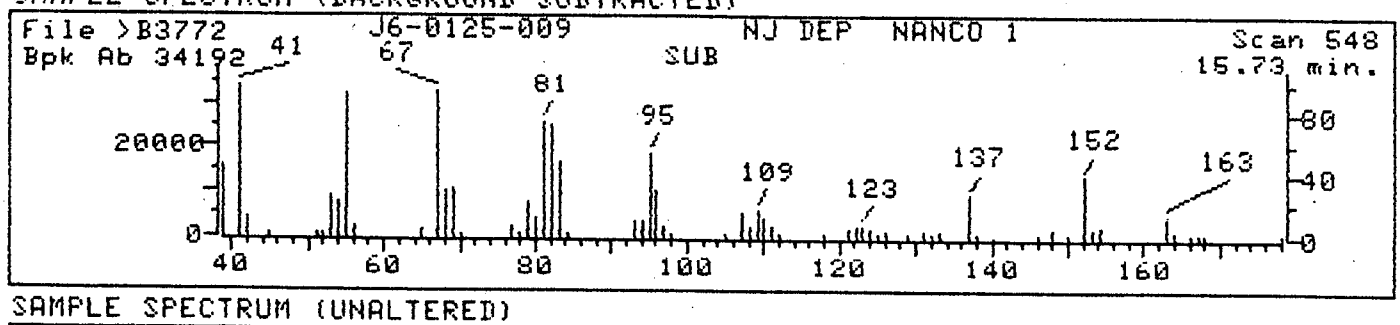

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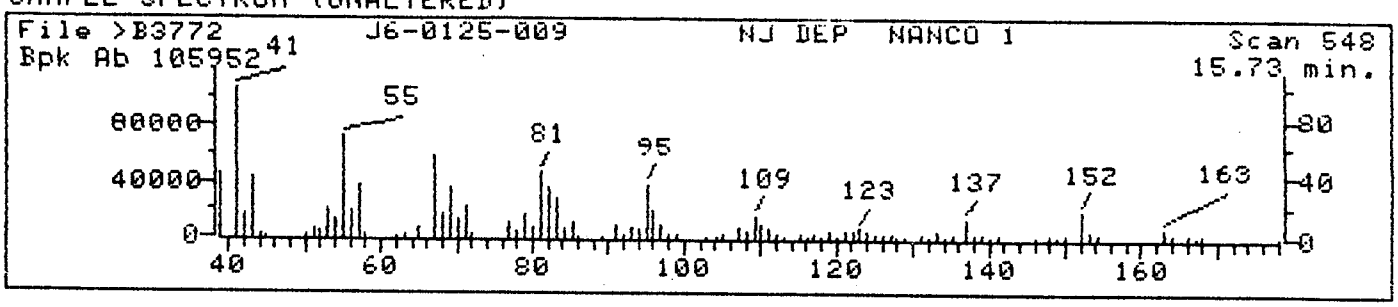
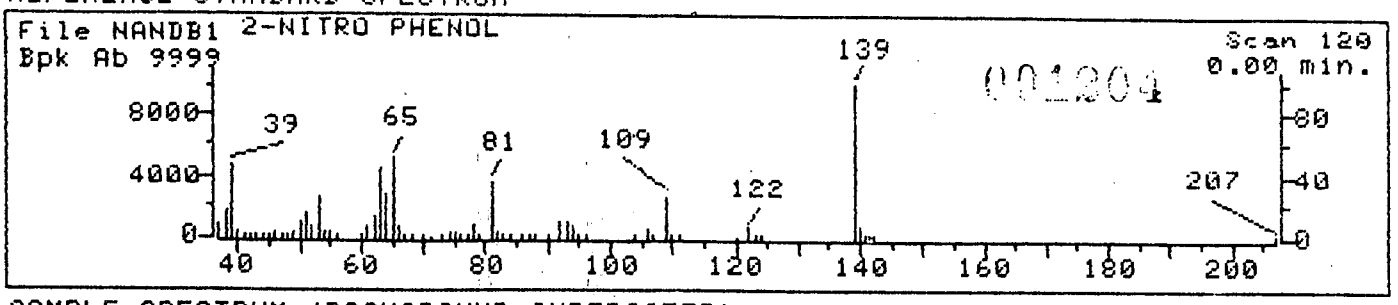


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 16
Compound Name: Isophorone
Scan Number: 548
Retention Time: 15.73 min.
Area: 177731
Concentration: 3836.32 UG
q-value: 65

REFERENCE STANDARD SPECTRUM



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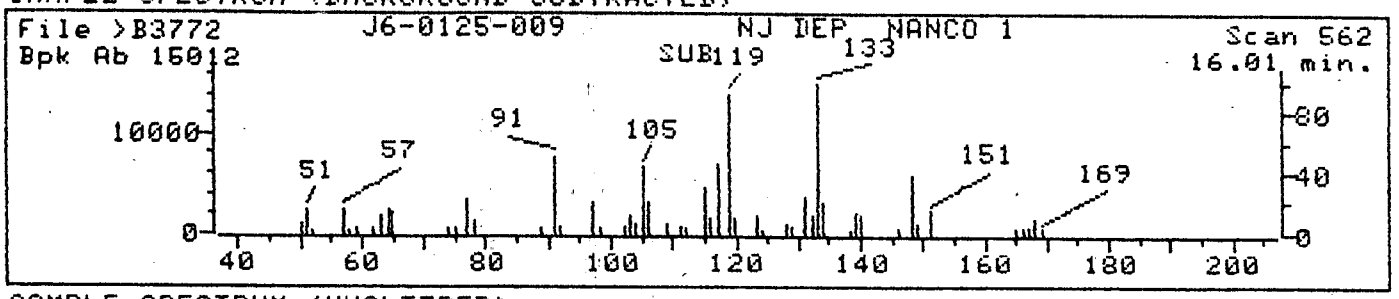

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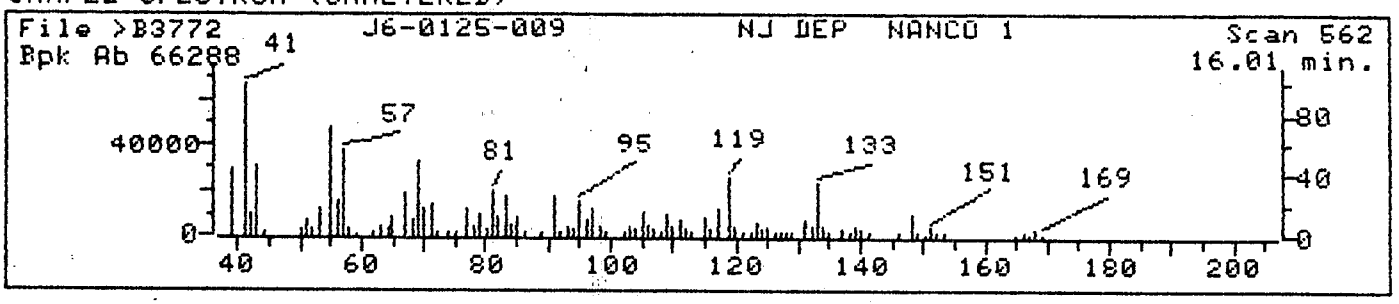
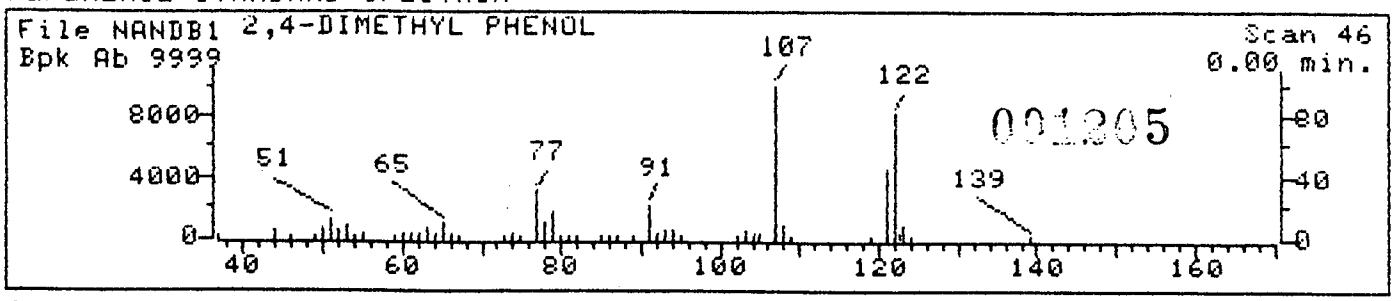


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 17
Compound Name: 2-Nitrophenol
Scan Number: 562
Retention Time: 16.01 min.
Area: 23511
Concentration: 1513.56 UG
q-value: 100

BTL# 3

REFERENCE STANDARD SPECTRUM



001205

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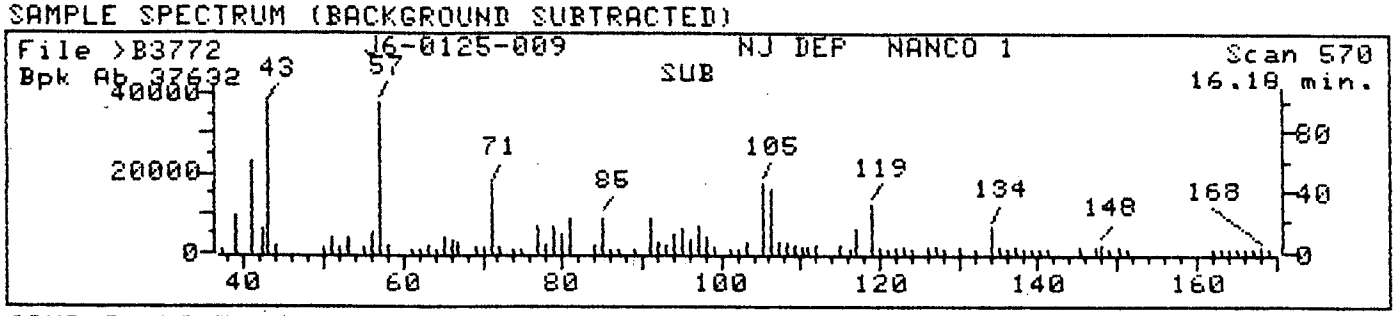

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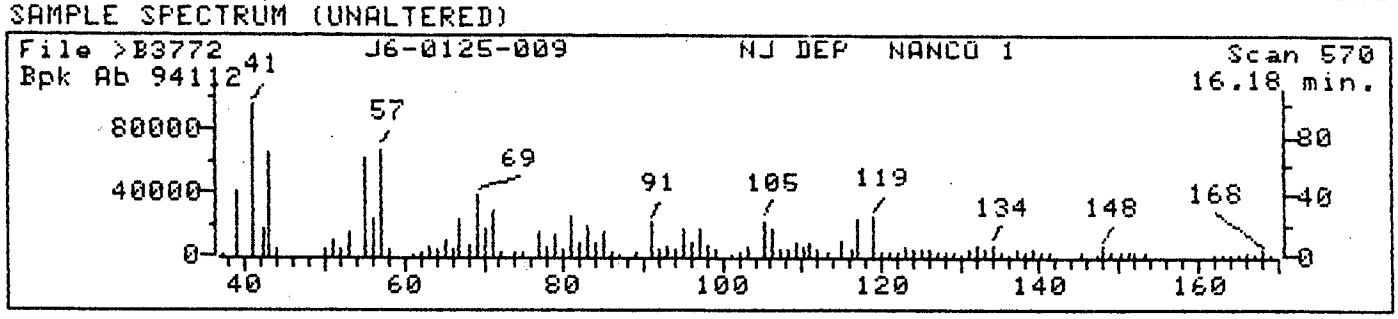
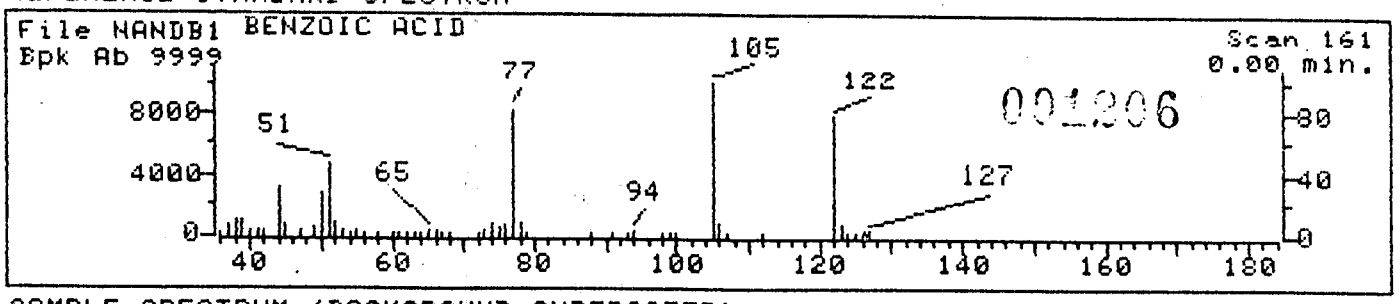


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 18
Compound Name: 2,4-Dimethylphenol
Scan Number: 570
Retention Time: 16.18 min.
Area: 14170
Concentration: 644.50 UG
q-value: 69

REFERENCE STANDARD SPECTRUM



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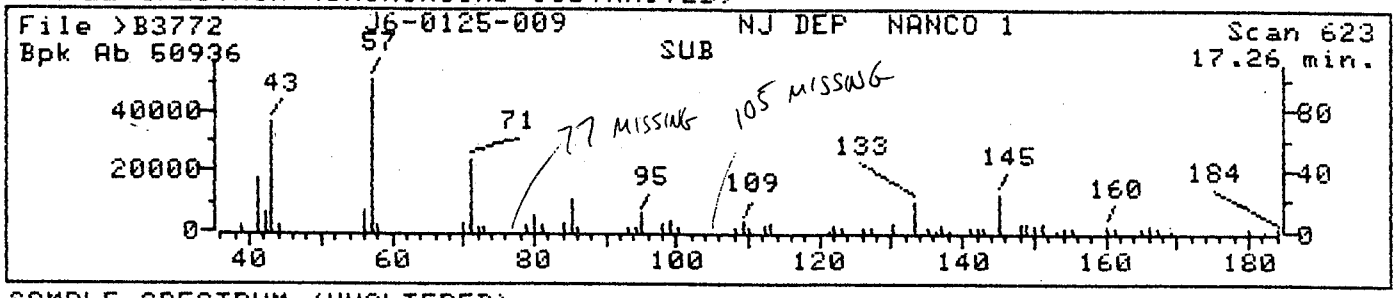

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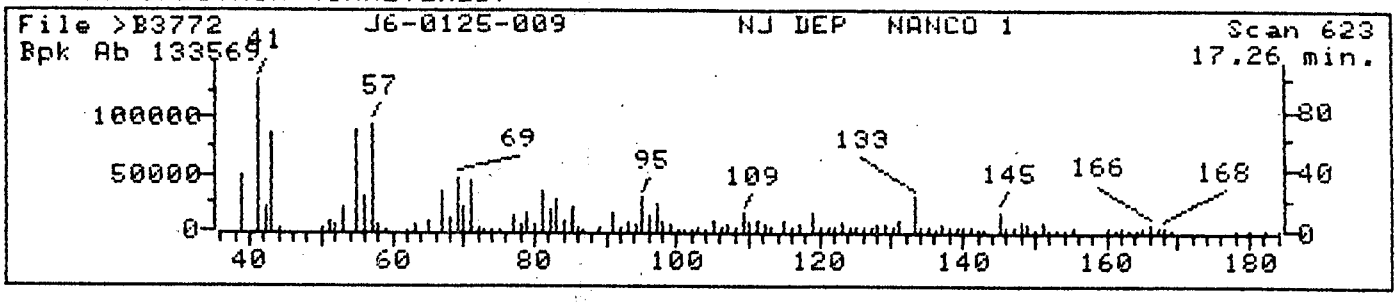


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

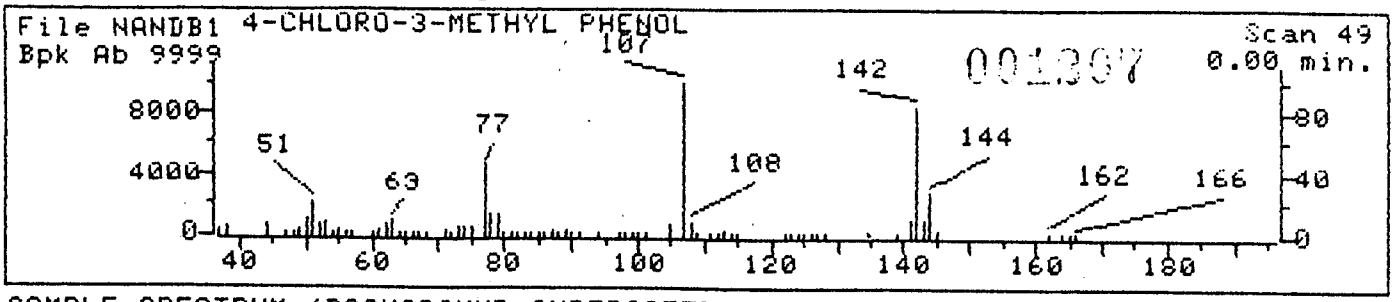
Compound No: 19
Compound Name: Benzoic Acid
Scan Number: 623
Retention Time: 17.26 min.
Area: 8894
Concentration: 549.89 UG
q-value: 9

77 & 105 MISSING

MM

BTL# 3

REFERENCE STANDARD SPECTRUM



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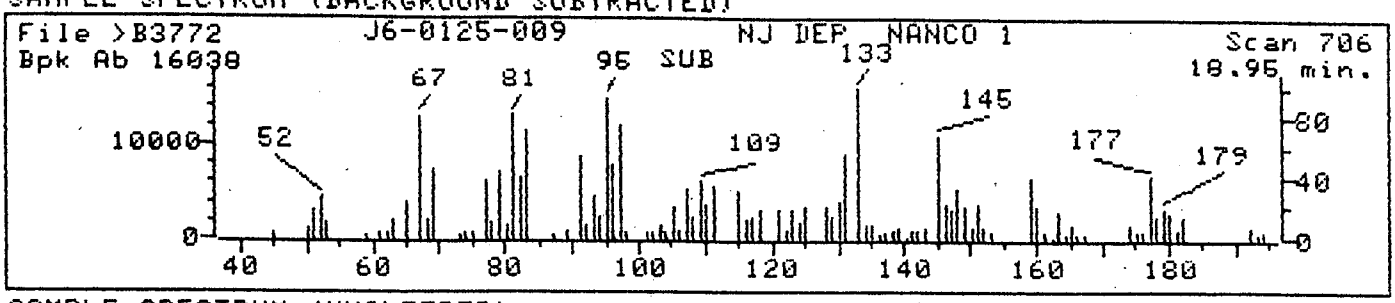

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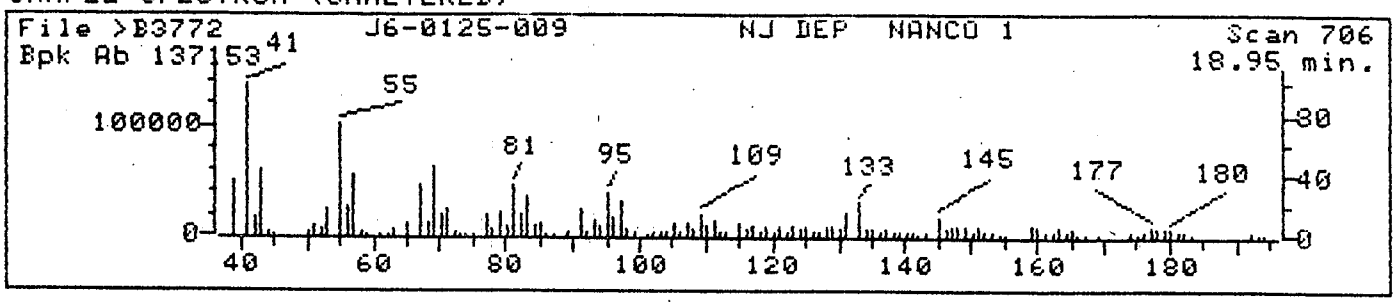
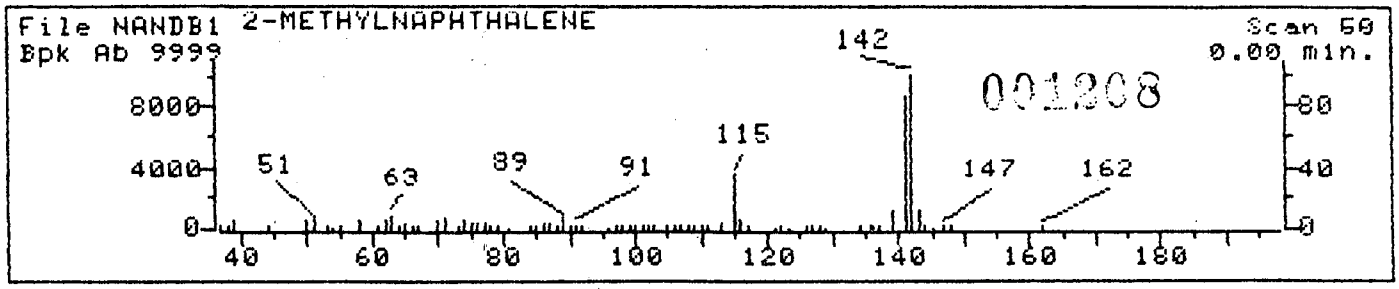


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 26
Compound Name: 4-Chloro-3-Methylphenol
Scan Number: 706
Retention Time: 18.95 min.
Area: 54061
Concentration: 2895.77 UG
q-value: 16

REFERENCE STANDARD SPECTRUM



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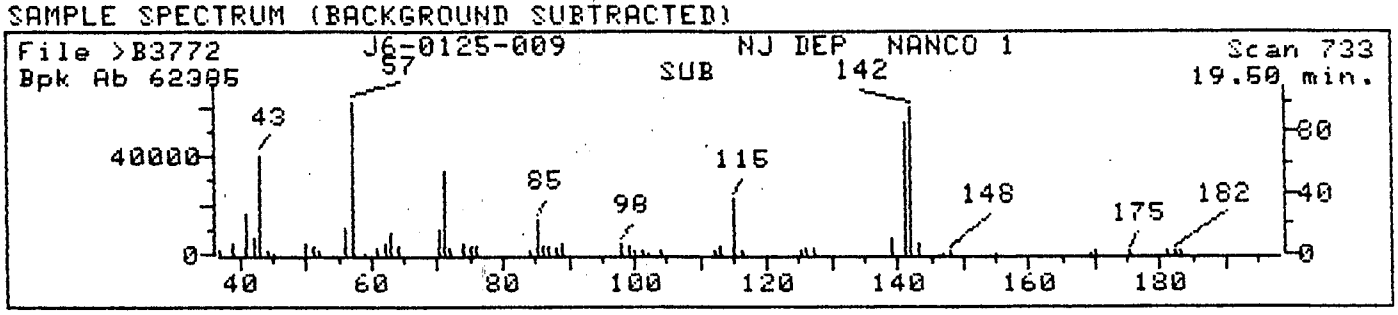

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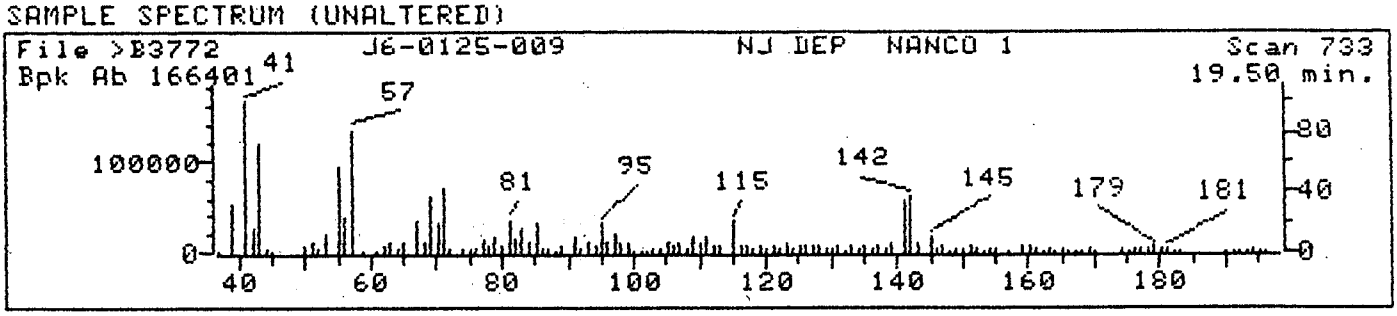


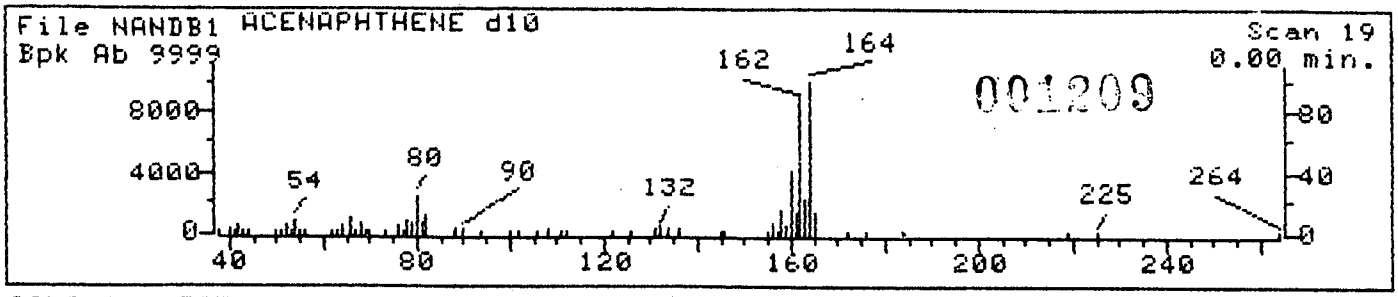
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 27
Compound Name: 2-Methylnaphthalene
Scan Number: 733
Retention Time: 19.50 min.
Area: 650956
Concentration: 15286.27 UG
q-value: 93

MM

REFERENCE STANDARD SPECTRUM



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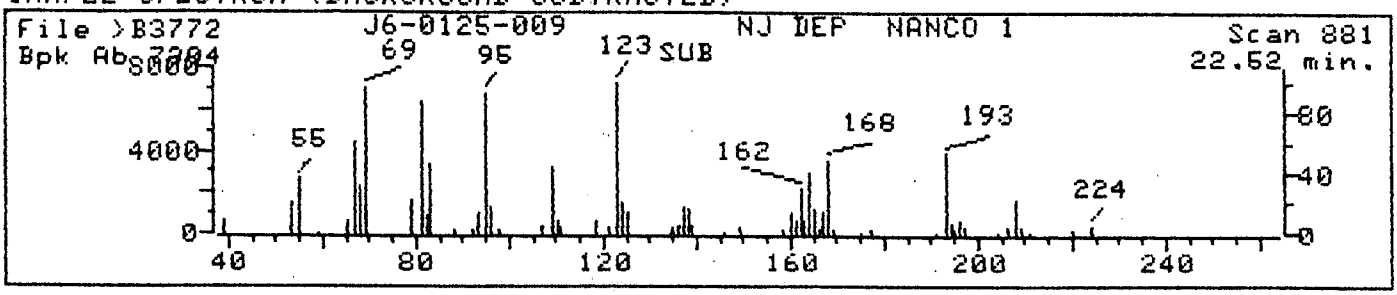

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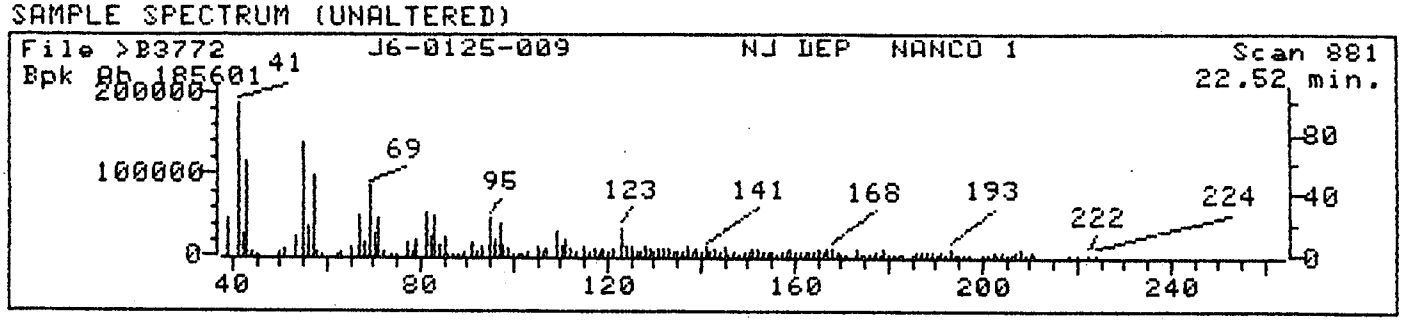
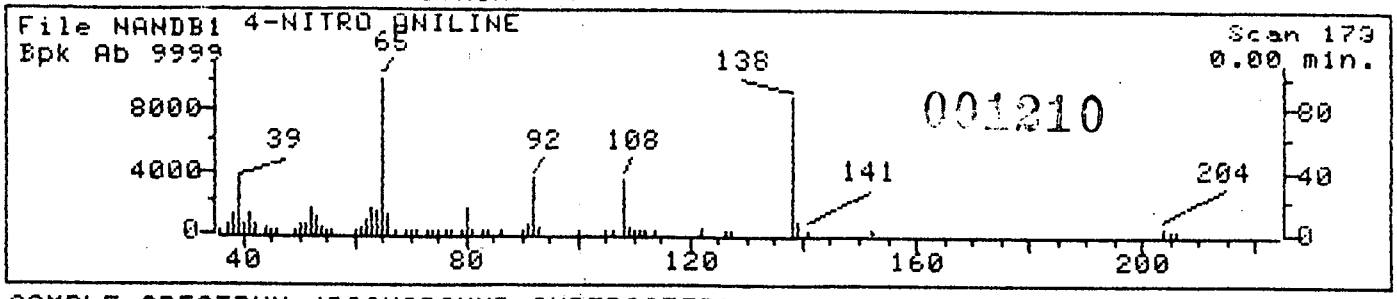


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 28 (ISTD)
Compound Name: ACENAPHTHENE-d10
Scan Number: 881
Retention Time: 22.52 min.
Area: 23562
Concentration: 40.00 UG
q-value: 89

REFERENCE STANDARD SPECTRUM



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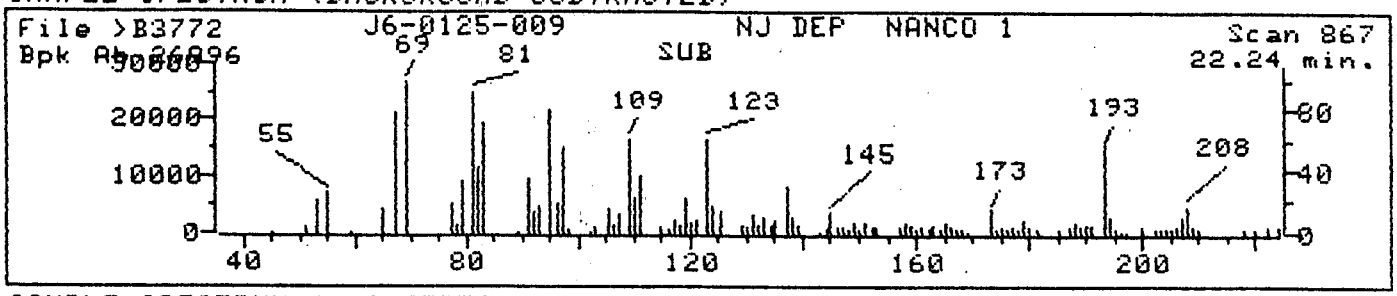

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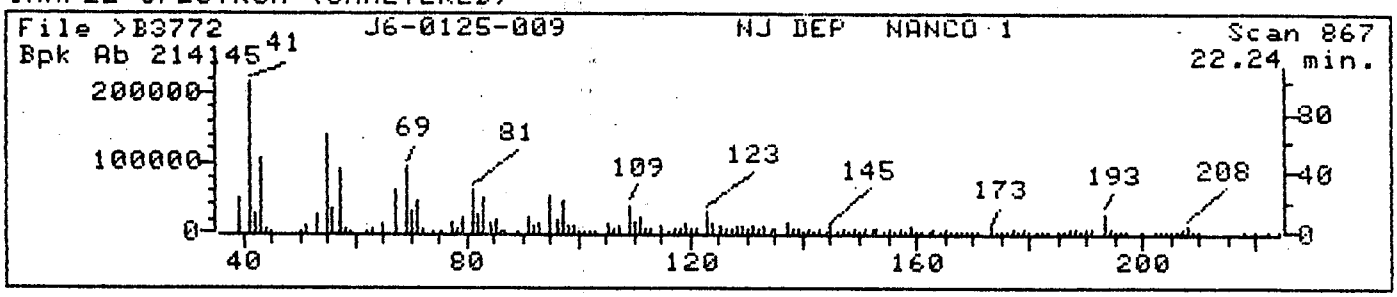
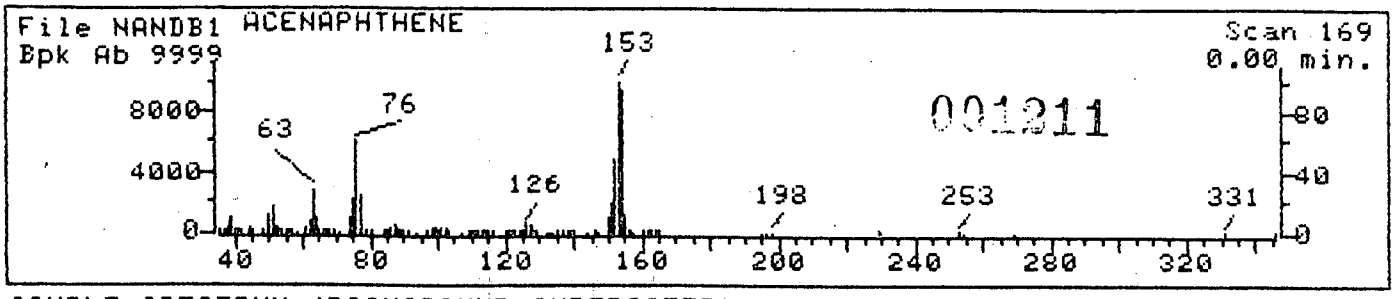


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 36
Compound Name: 3-Nitroaniline
Scan Number: 867
Retention Time: 22.24 min.
Area: 22698
Concentration: 9060.38 UG
q-value: 80

REFERENCE STANDARD SPECTRUM



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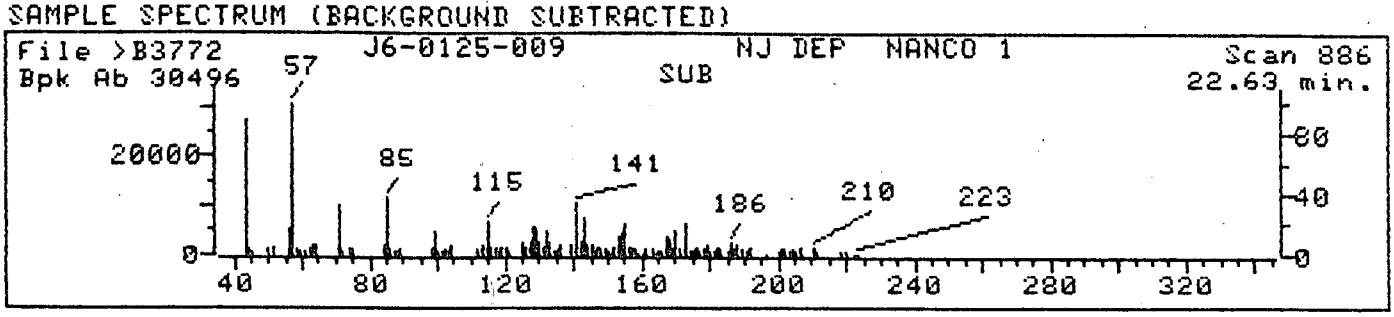

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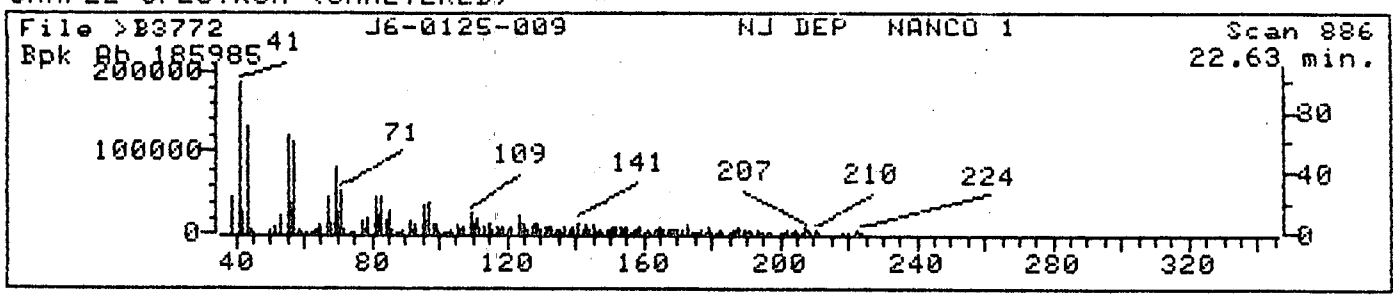
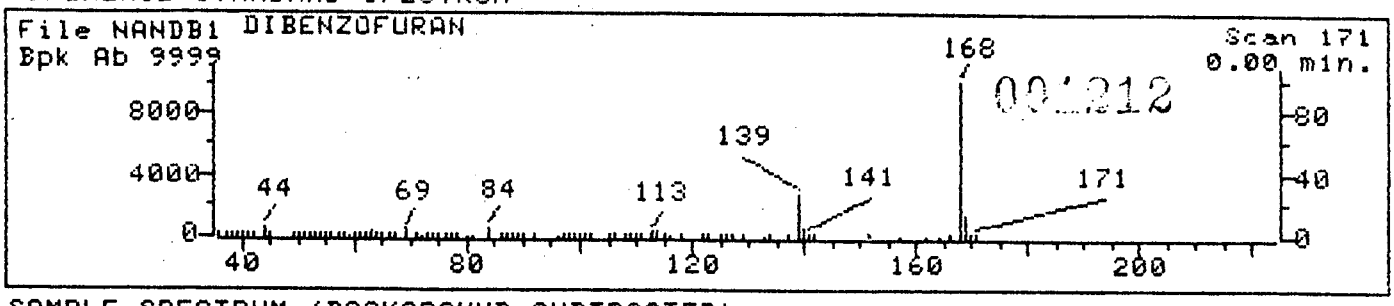


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 37
Compound Name: Acenaphthene
Scan Number: 886
Retention Time: 22.63 min.
Area: 44934
Concentration: 5348.56 UG
q-value: 79

REFERENCE STANDARD SPECTRUM



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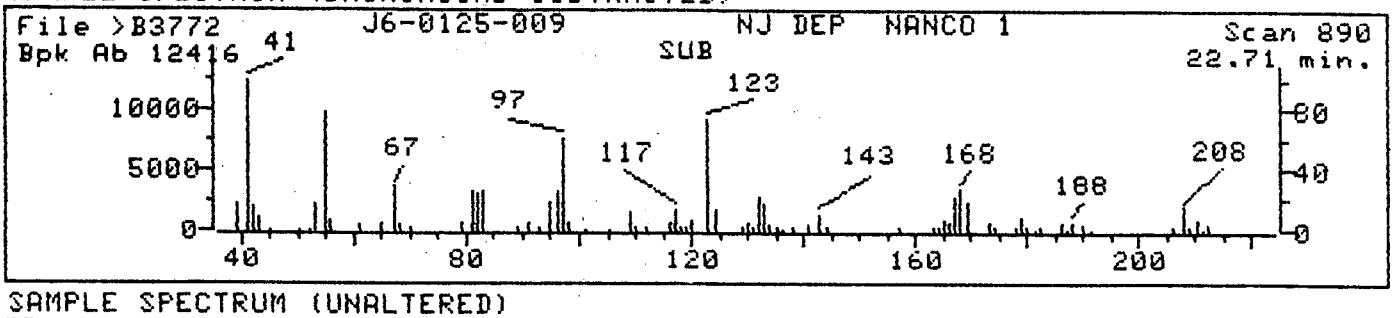

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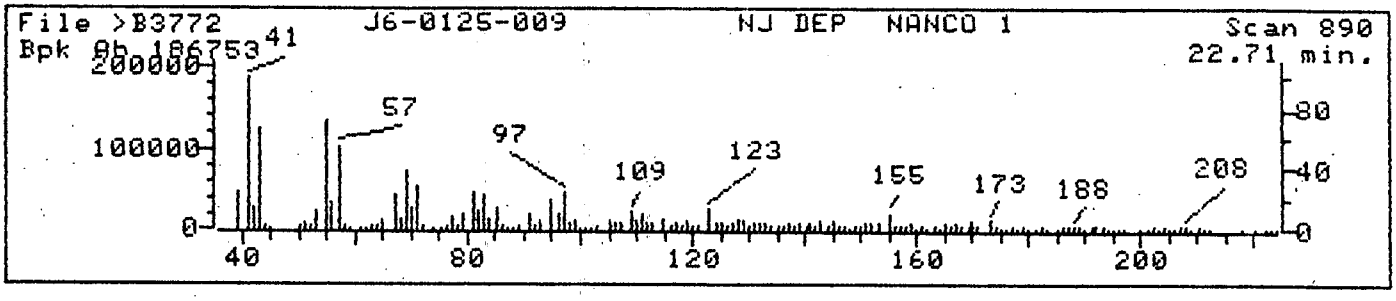
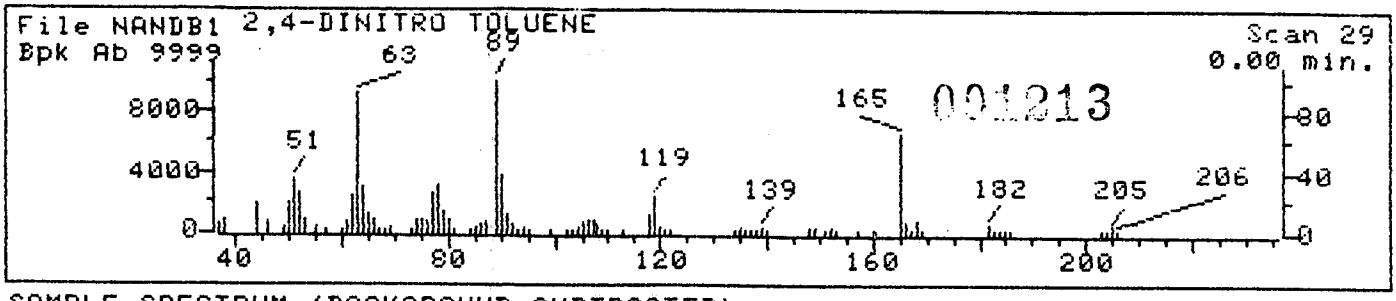


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

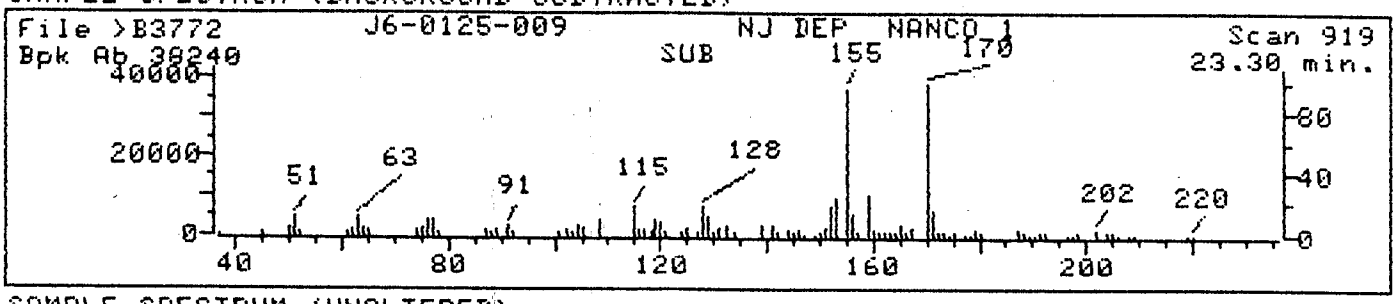
BTL# 3

Compound No: 40
Compound Name: Dibenzofuran
Scan Number: 890
Retention Time: 22.71 min.
Area: 19056
Concentration: 1484.90 UG
q-value: 52

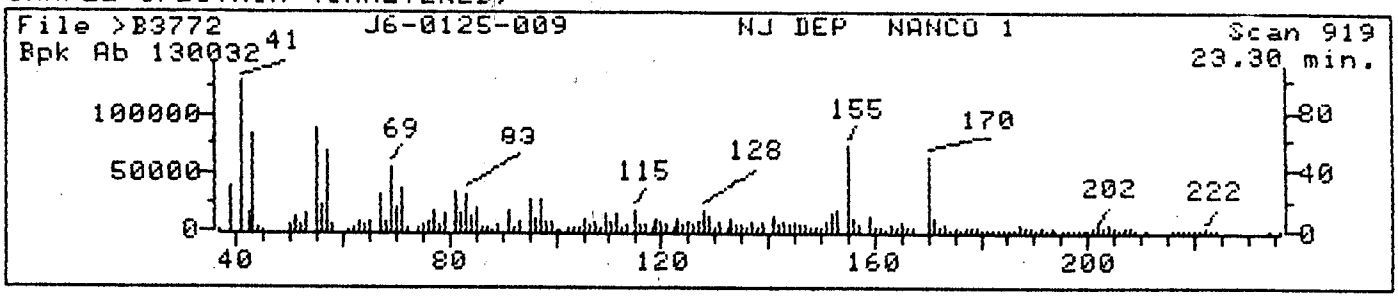
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

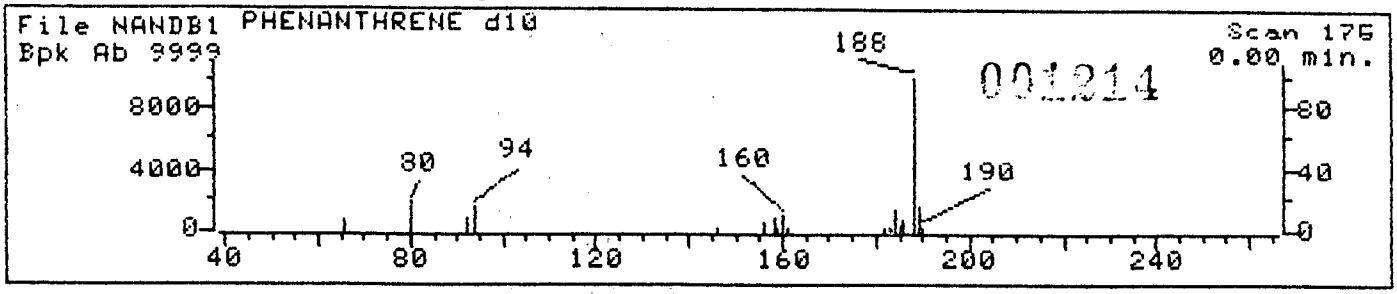


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

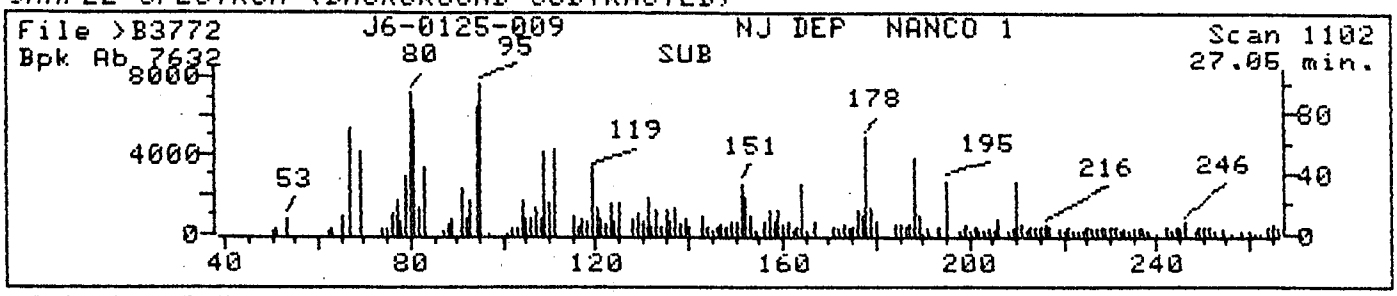
Compound No: 41
Compound Name: 2,4-Dinitrotoluene
Scan Number: 919
Retention Time: 23.30 min.
Area: 38211
Concentration: 13165.19 UG
q-value: 96

REFERENCE STANDARD SPECTRUM

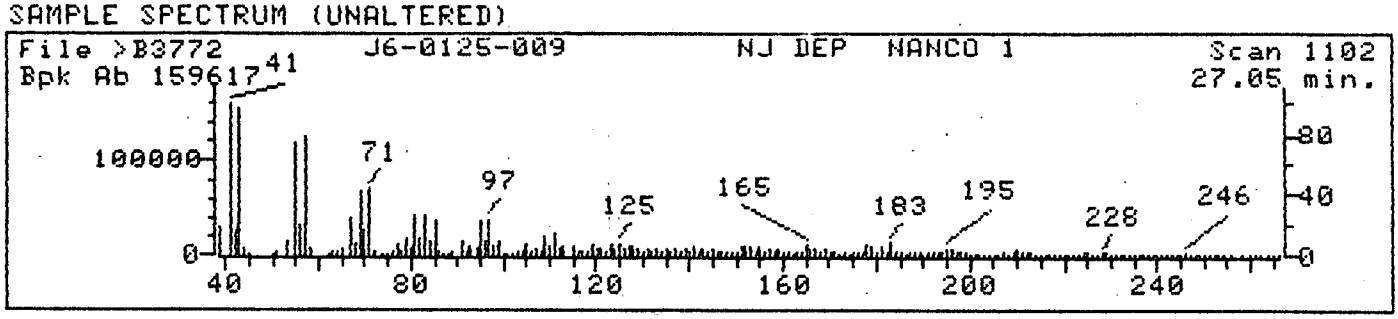


001214

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



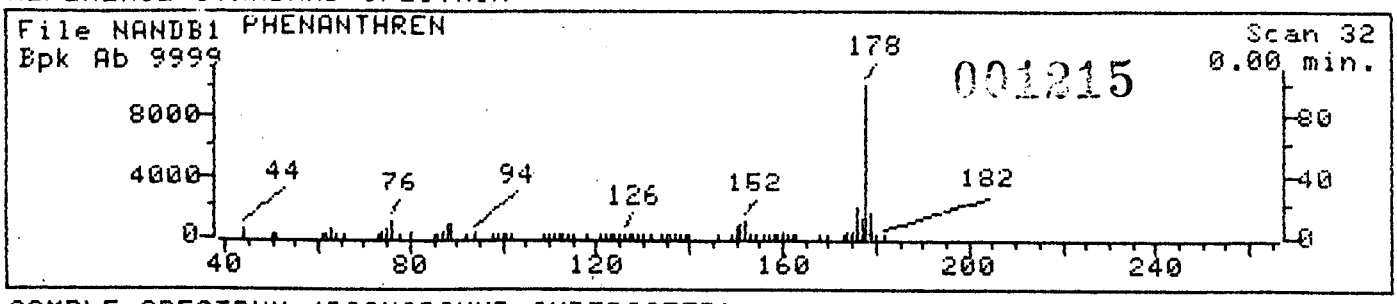
SAMPLE SPECTRUM (UNALTERED)



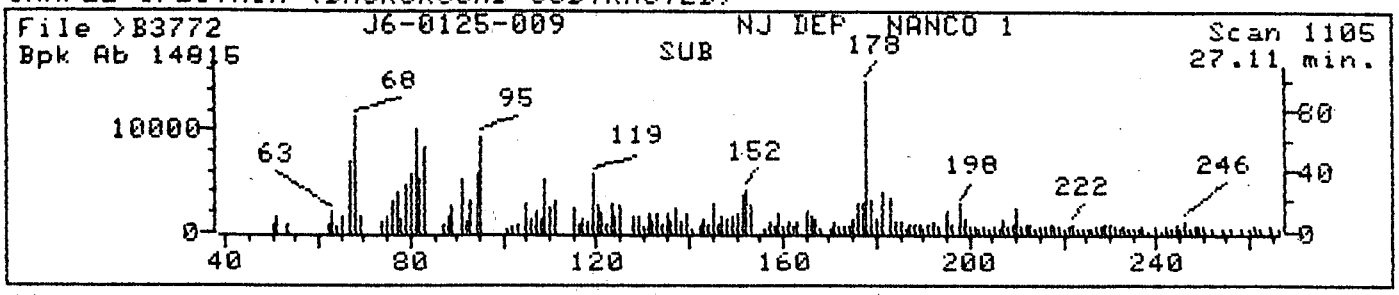
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 47 (ISTD)
Compound Name: PHENANTHRENE-d10
Scan Number: 1102
Retention Time: 27.05 min.
Area: 32200
Concentration: 40.00 UG
q-value: 67

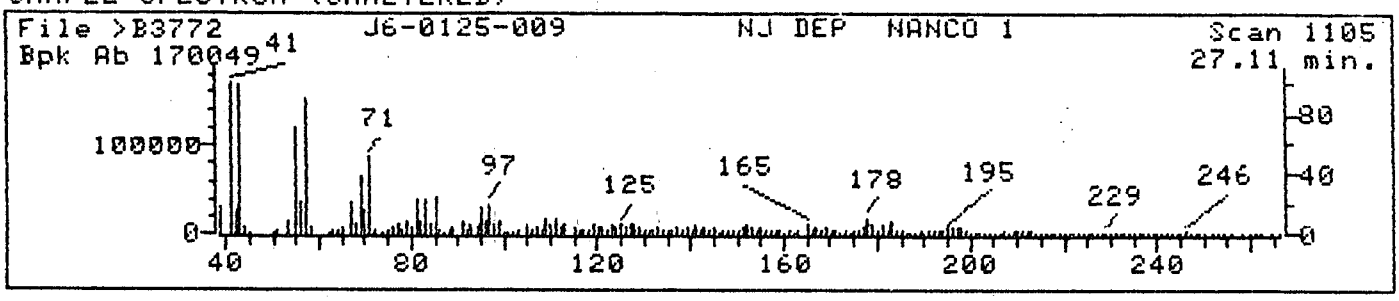
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

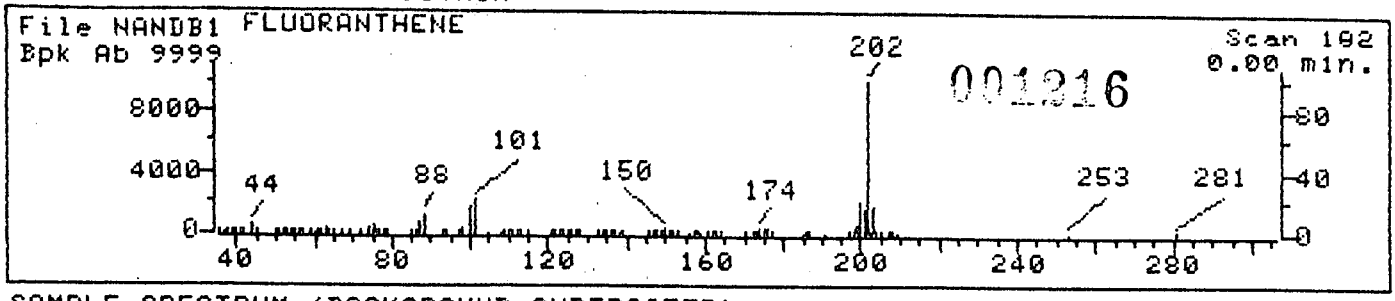


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

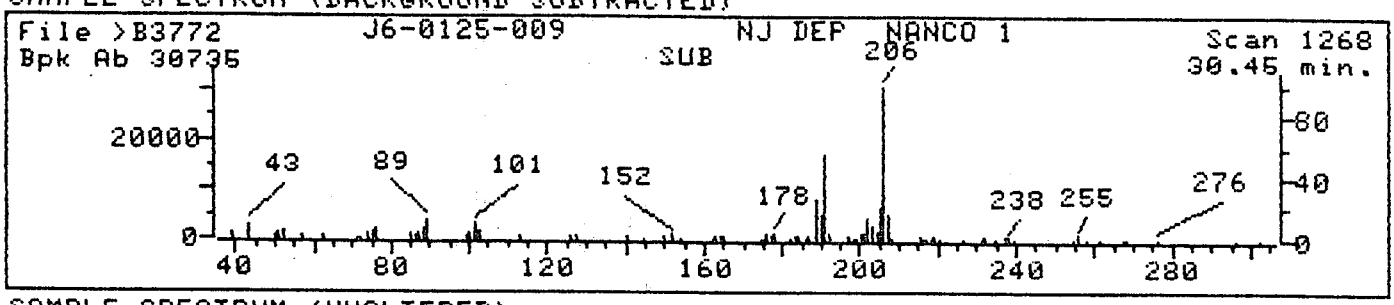
BTL# 3

Compound No: 53
Compound Name: Phenanthrene
Scan Number: 1105
Retention Time: 27.11 min.
Area: 121477
Concentration: 11009.70 UG
q-value: 91

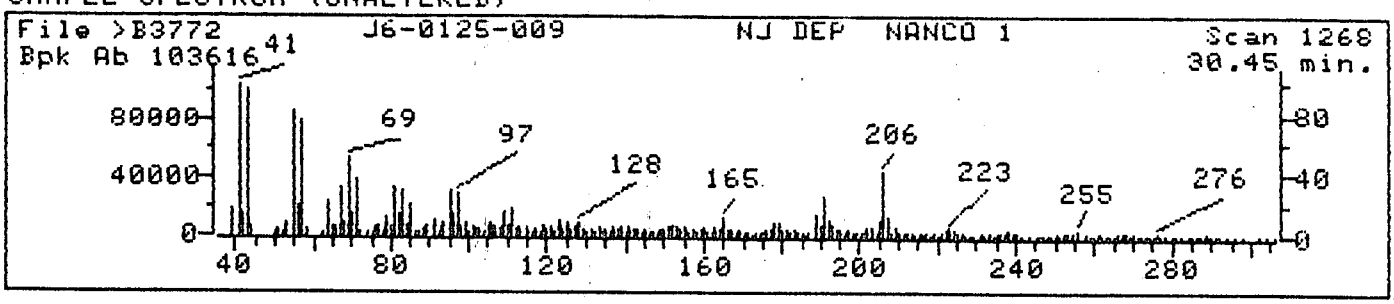
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



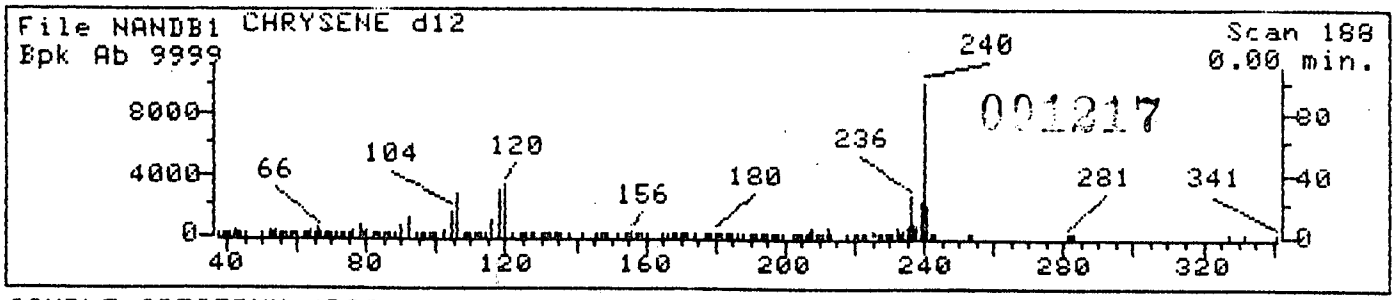
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

Compound No: 56
Compound Name: Fluoranthene
Scan Number: 1268
Retention Time: 30.45 min.
Area: 20853
Concentration: 2951.85 UG
q-value: 8

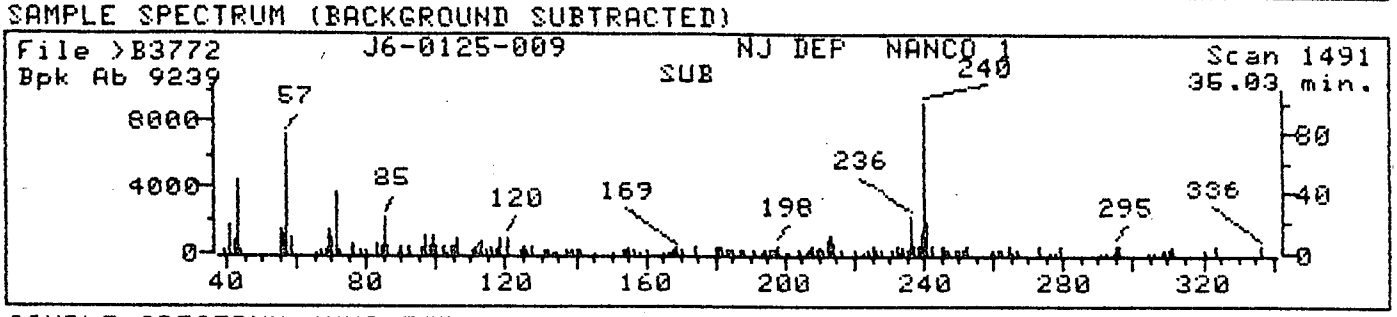
MN

REFERENCE STANDARD SPECTRUM

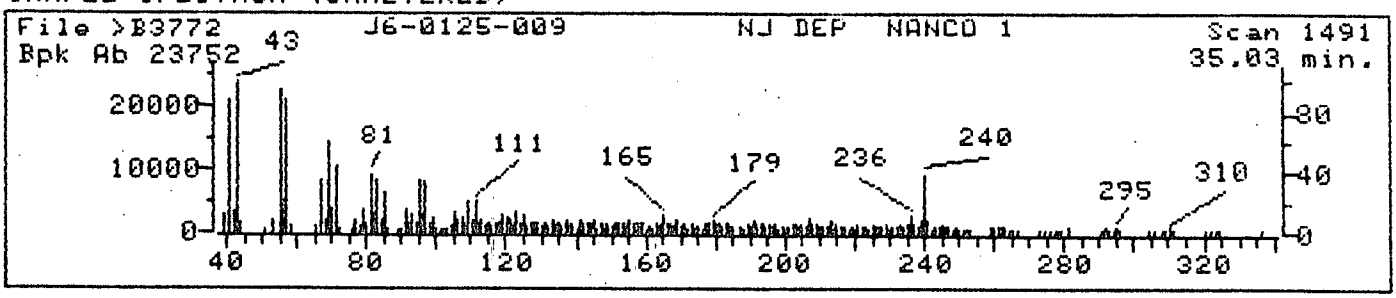


001217

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



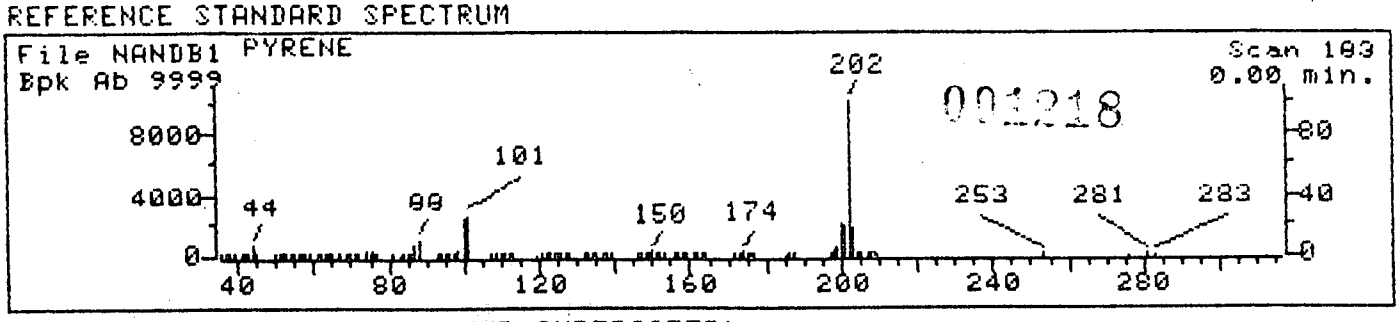
SAMPLE SPECTRUM (UNALTERED)



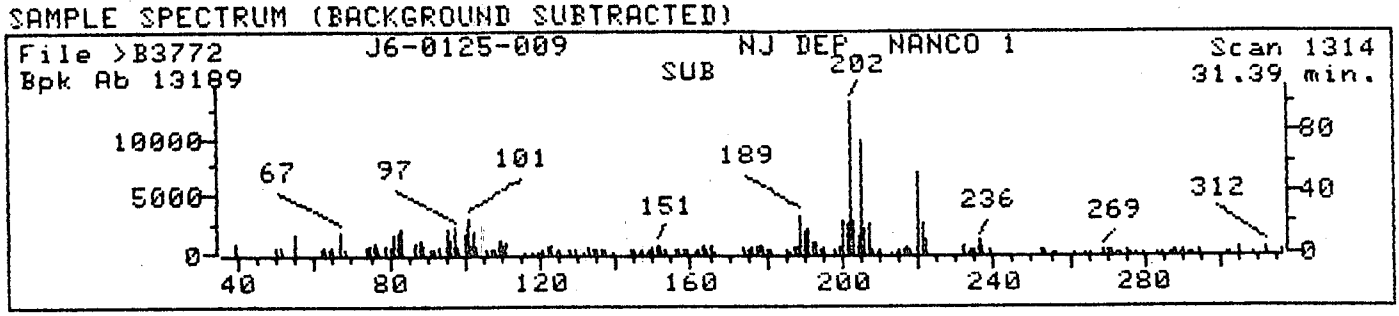
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 57 (ISTD)
Compound Name: CHRYSENE-d12
Scan Number: 1491
Retention Time: 35.03 min.
Area: 32641
Concentration: 40.00 UG
q-value: 100

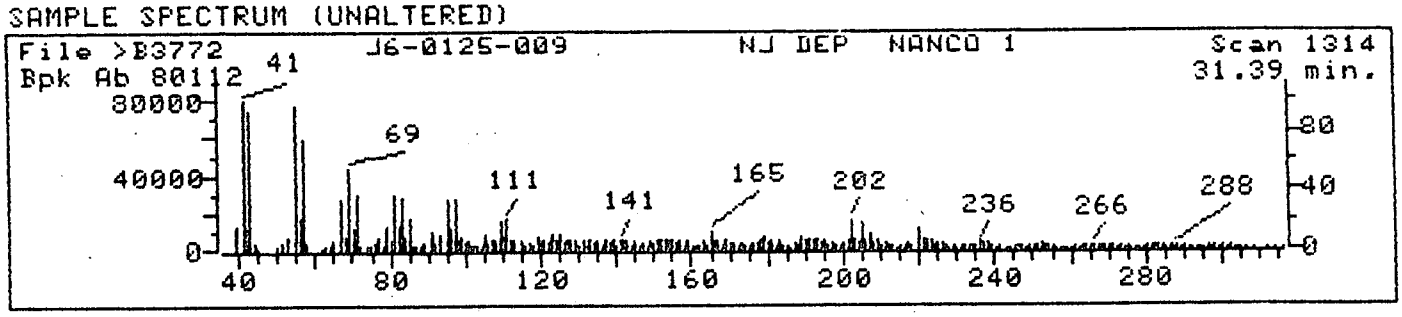
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

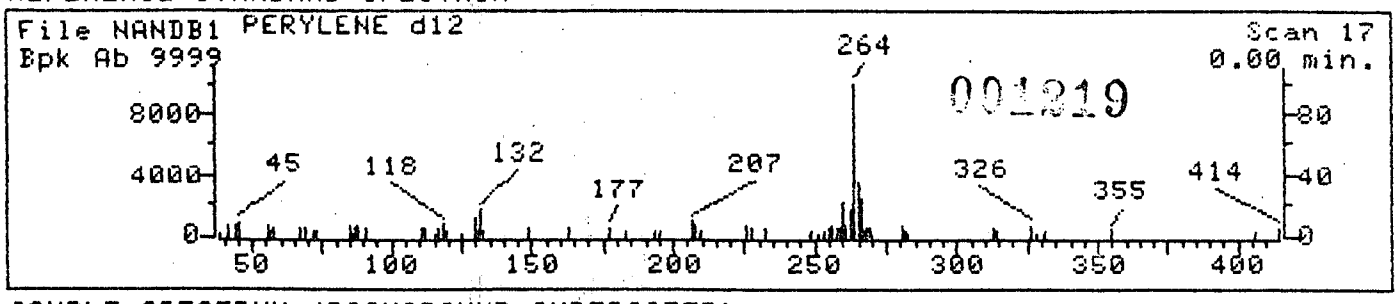


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

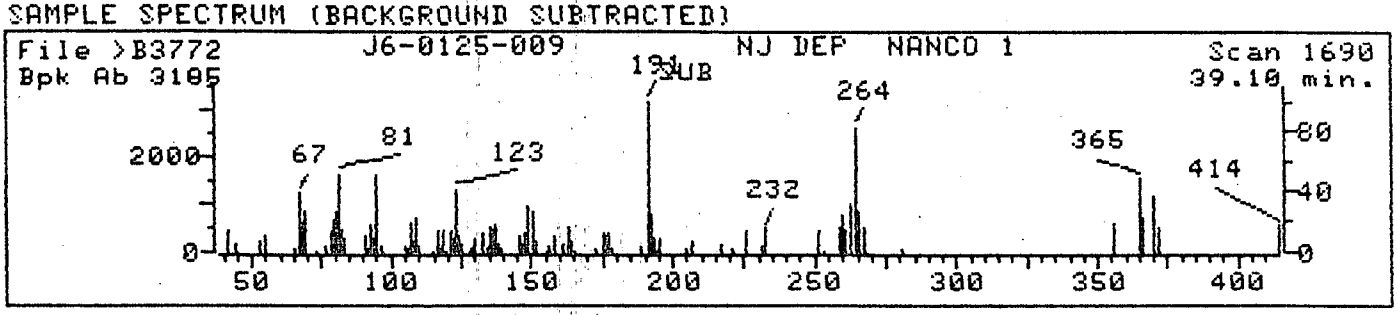
BTL# 3

Compound No: 58
Compound Name: Pyrene
Scan Number: 1314
Retention Time: 31.39 min.
Area: 62133
Concentration: 4089.71 UG
q-value: 91

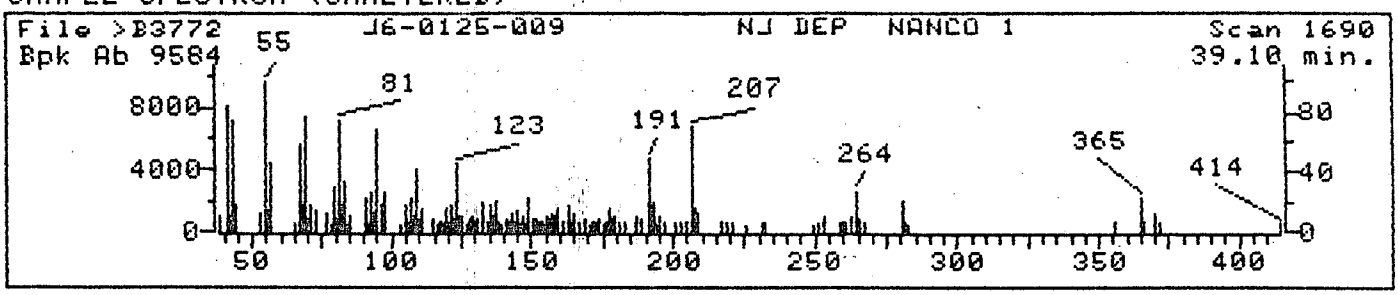
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



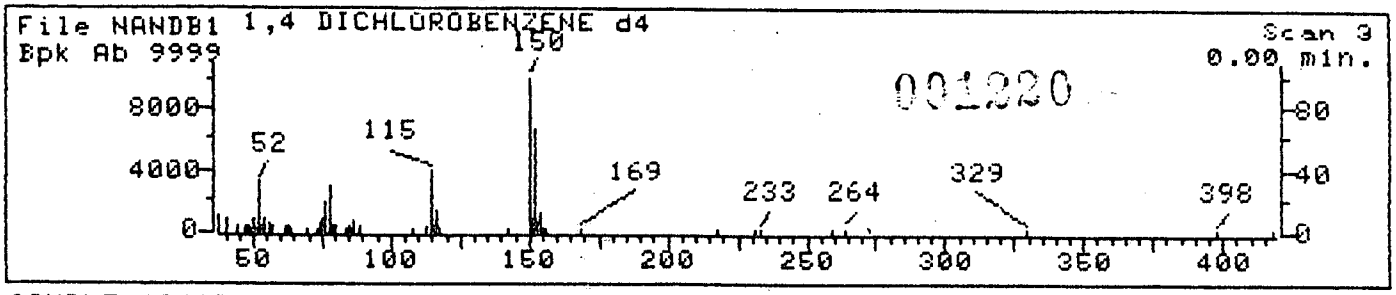
SAMPLE SPECTRUM (UNALTERED)



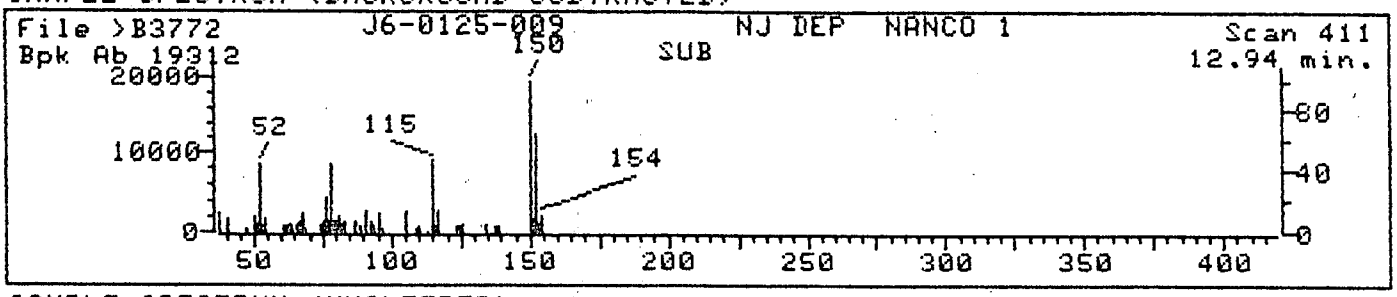
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 64 (ISTD)
Compound Name: PERYLENE-d12
Scan Number: 1690
Retention Time: 39.10 min.
Area: 9904M
Concentration: 40.00 UG

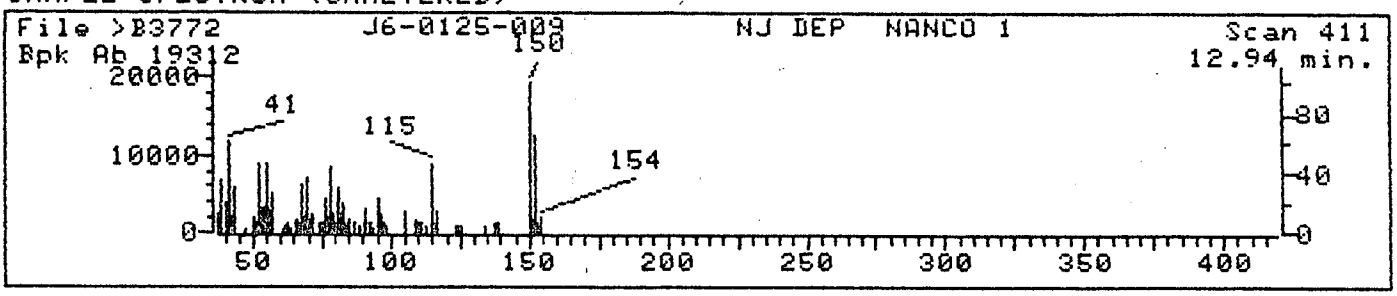
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



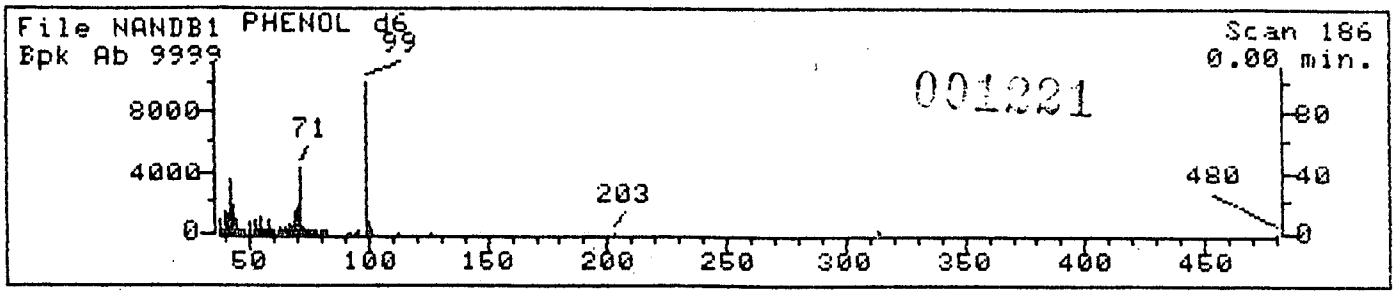
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

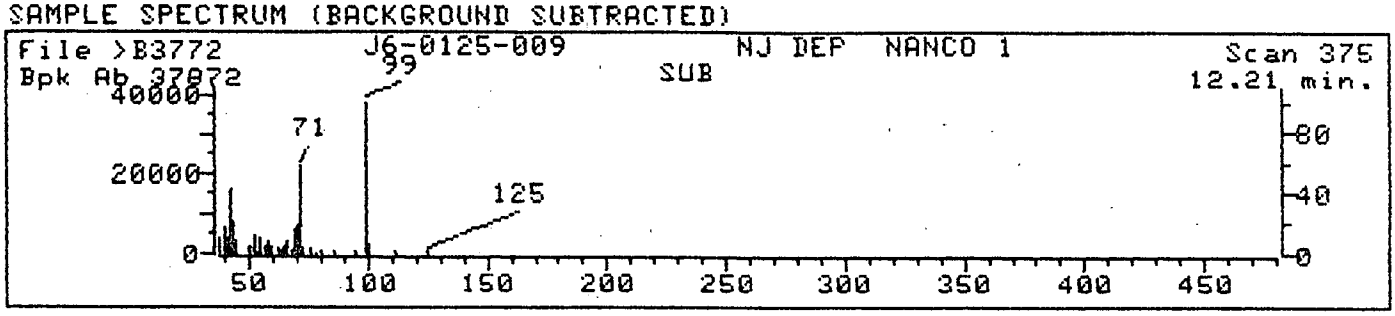
Compound No: 72 (ISTD)
Compound Name: 1,4 Dichlorobenzene(IS)
Scan Number: 411
Retention Time: 12.94 min.
Area: 105808
Concentration: 40.00 UG
q-value: 96

REFERENCE STANDARD SPECTRUM

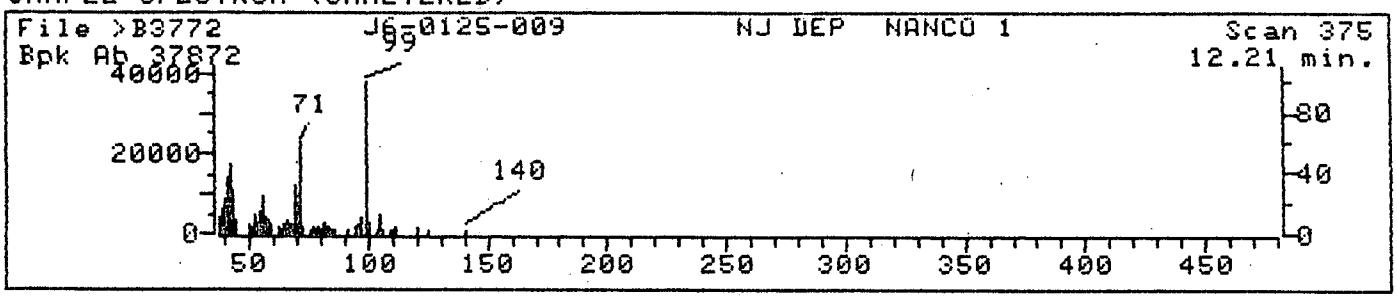


001221

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



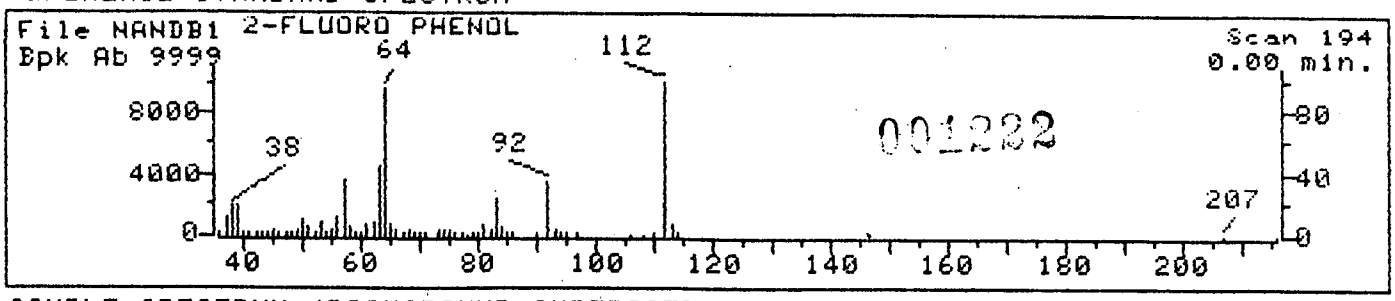
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

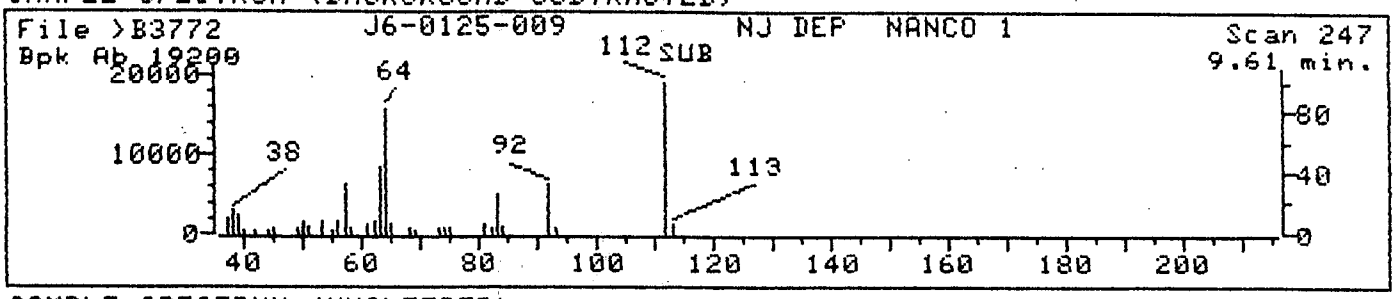
Compound No: 73
Compound Name: Phenol-d5(Surr)
Scan Number: 375
Retention Time: 12.21 min.
Area: 221824
Concentration: 3239.41 UG
q-value: 86

REFERENCE STANDARD SPECTRUM

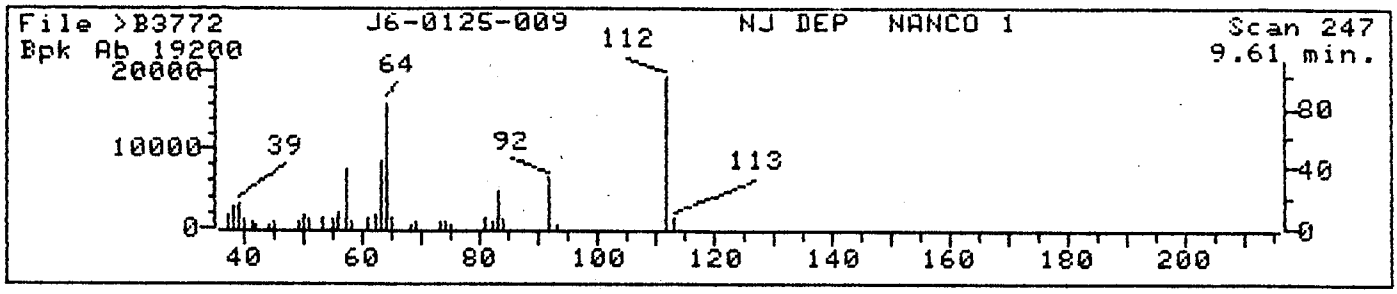


001232

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



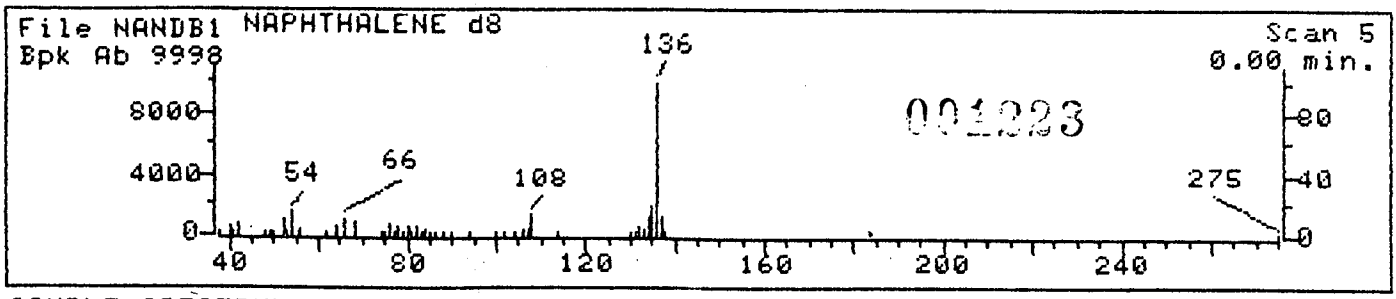
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

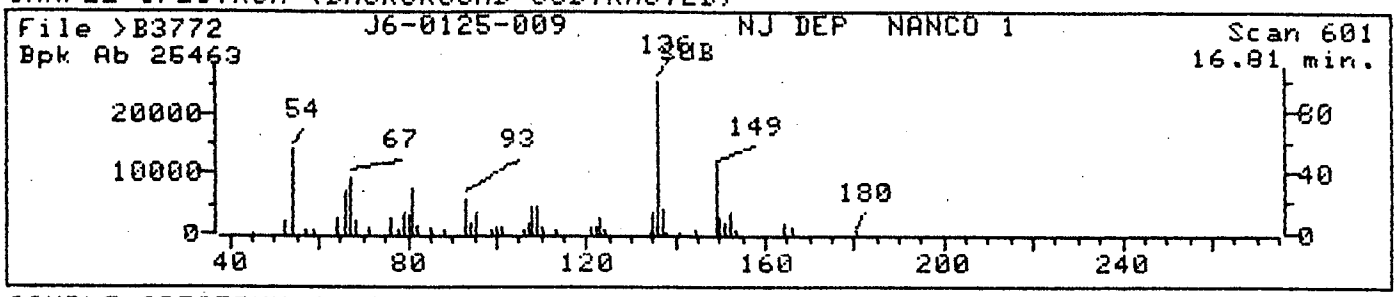
Compound No: 74
Compound Name: 2-Fluorophenol(Surr)
Scan Number: 247
Retention Time: 9.61 min.
Area: 114114
Concentration: 2063.63 UG
q-value: 93

REFERENCE STANDARD SPECTRUM

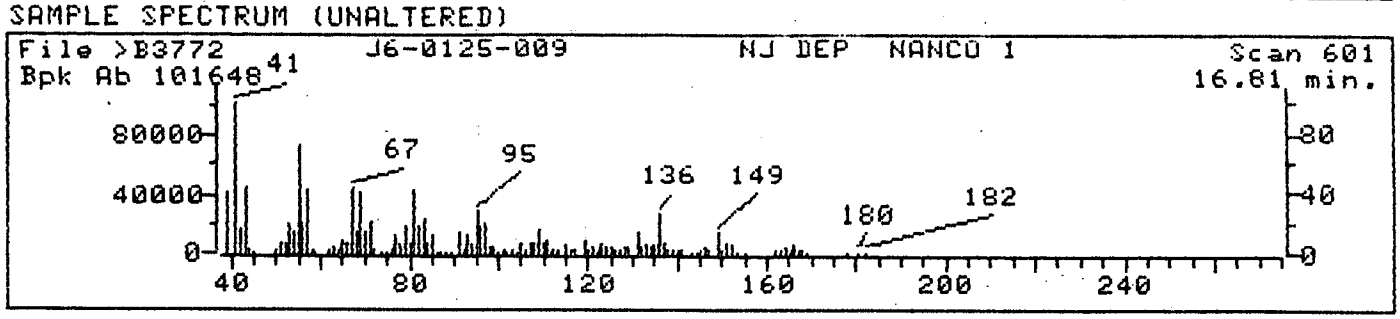


001223

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



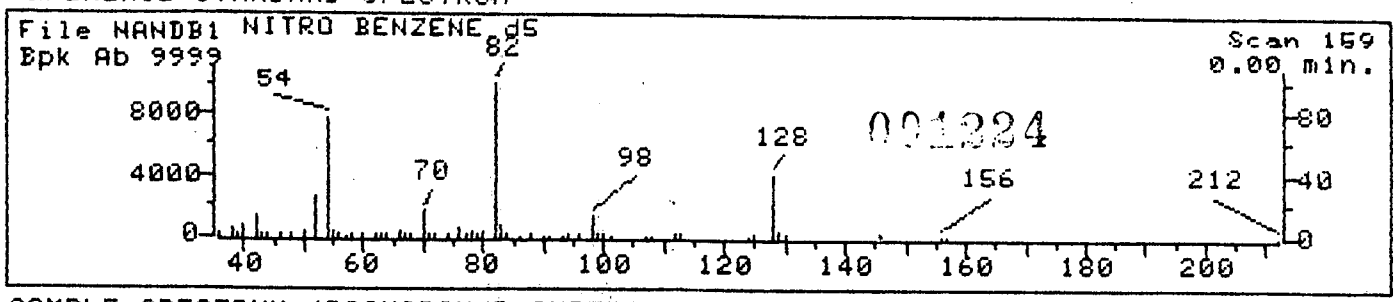
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

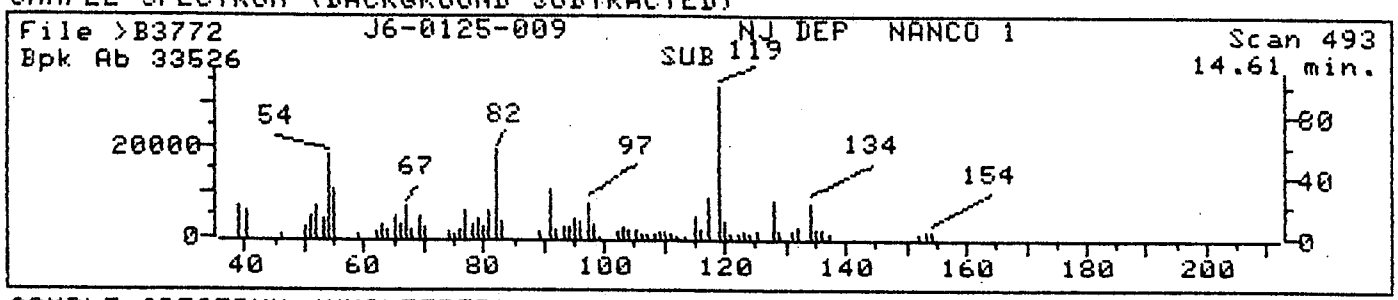
Compound No: 75 (ISTD)
Compound Name: Naphthalene-d8 (IS)
Scan Number: 601
Retention Time: 16.81 min.
Area: 211764
Concentration: 40.00 UG
q-value: 84

REFERENCE STANDARD SPECTRUM

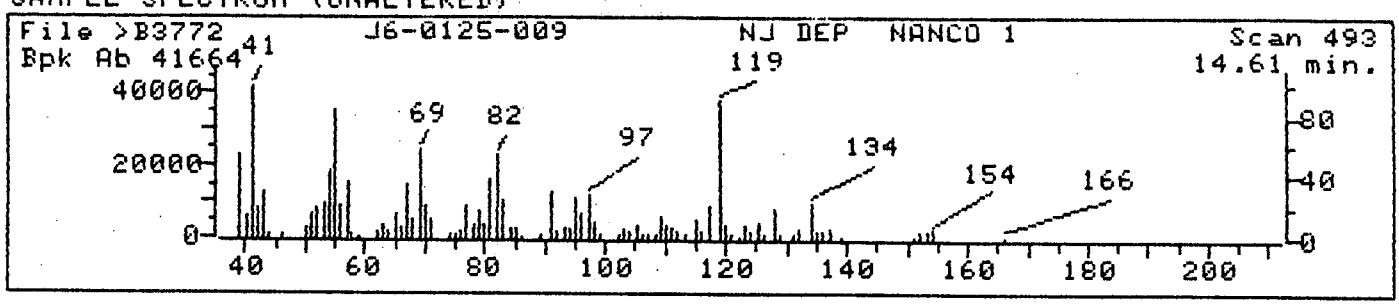


001324

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

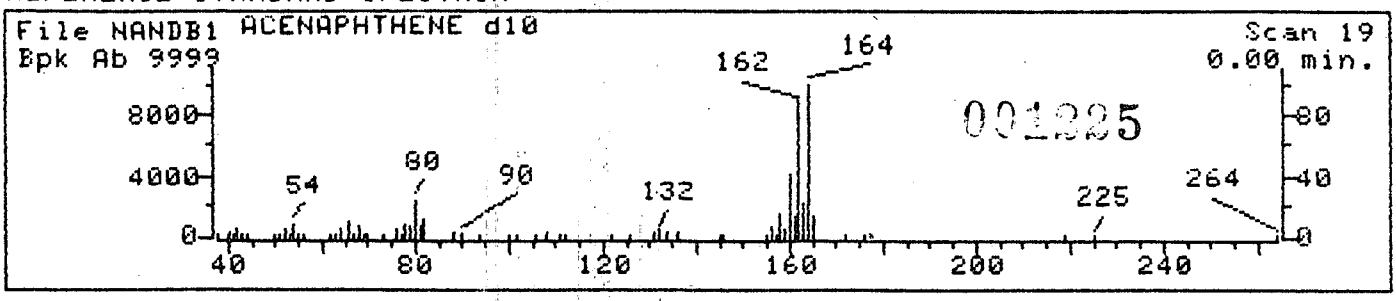


Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1
Quant Time: 861028 15:03
Injected at: 861028 13:38

BTL# 3

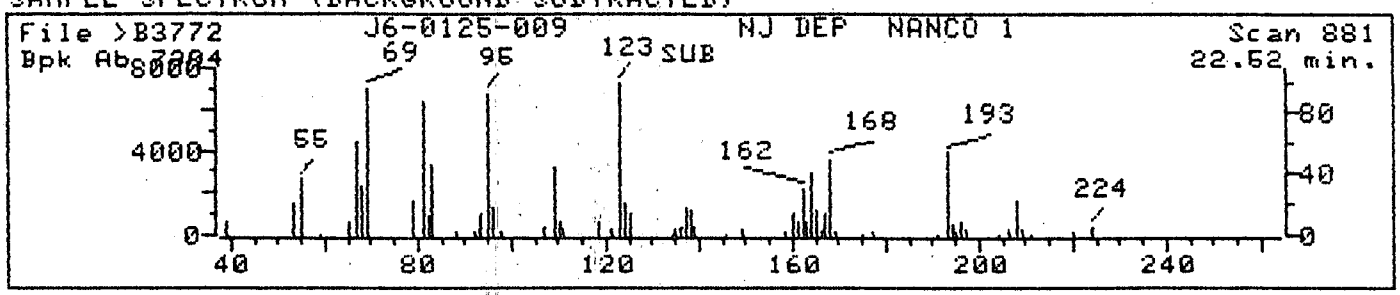
Compound No: 76
Compound Name: Nitrobenzene-d5 (Surr)
Scan Number: 493
Retention Time: 14.61 min.
Area: 128597
Concentration: 3241.47 UG
q-value: 77

REFERENCE STANDARD SPECTRUM

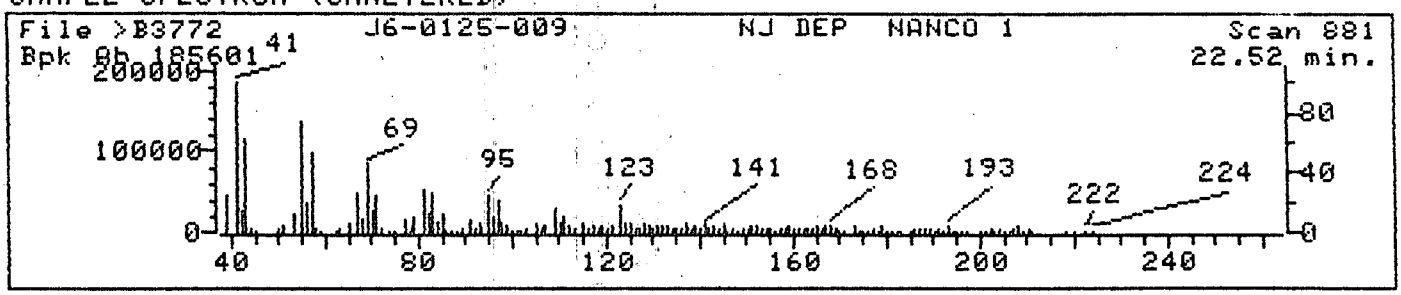


001325

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



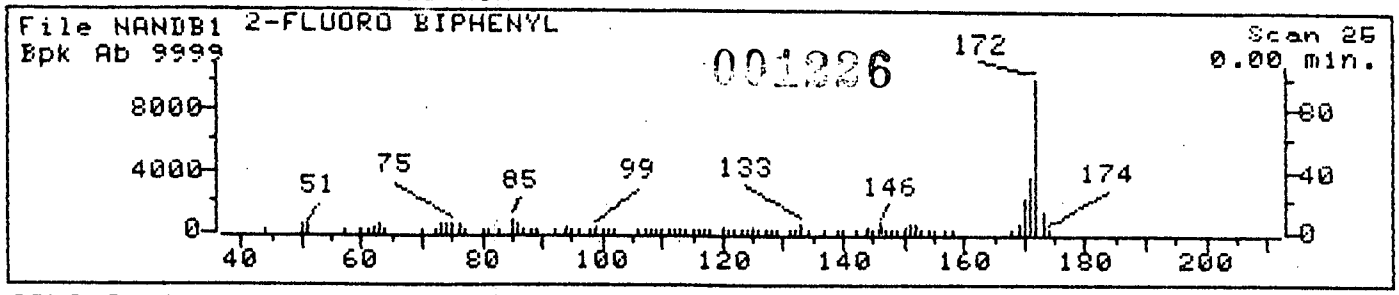
SAMPLE SPECTRUM (UNALTERED)



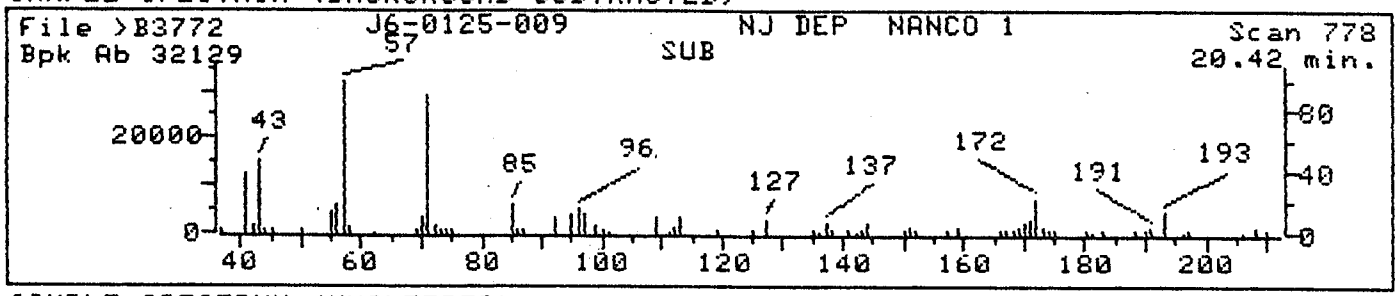
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 77 (ISTD)
Compound Name: Acenaphthene-d10 (IS)
Scan Number: 881
Retention Time: 22.52 min.
Area: 23562
Concentration: 40.00 UG
q-value: 89

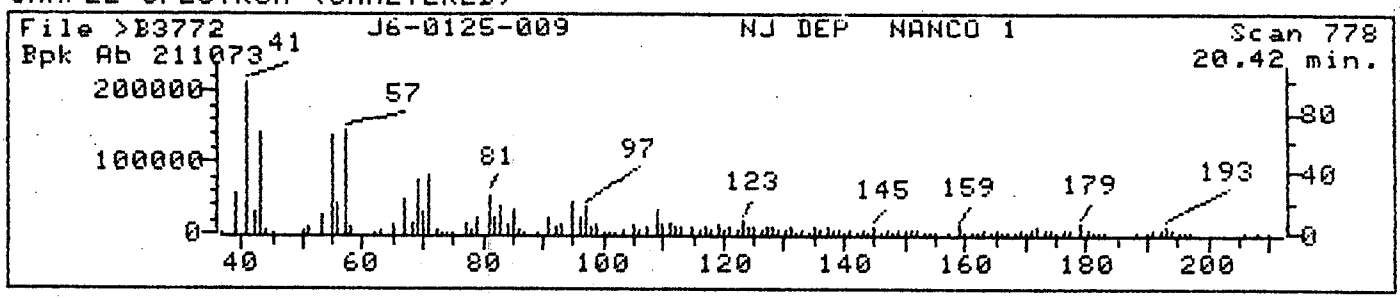
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



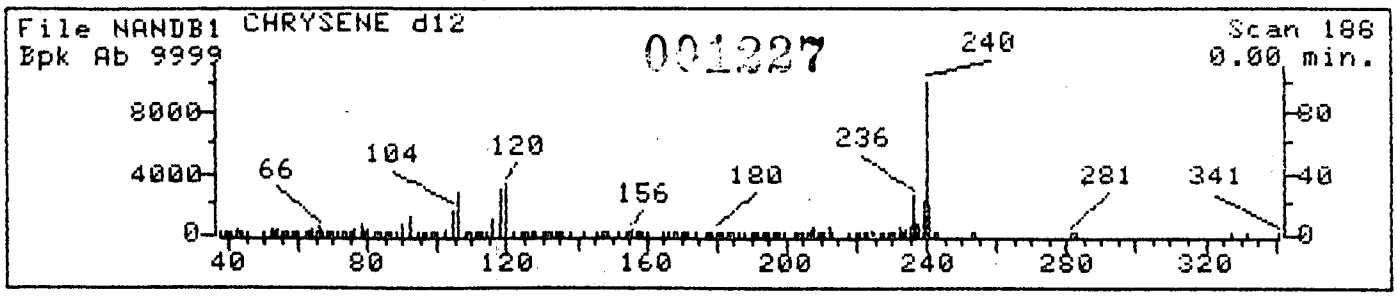
SAMPLE SPECTRUM (UNALTERED)



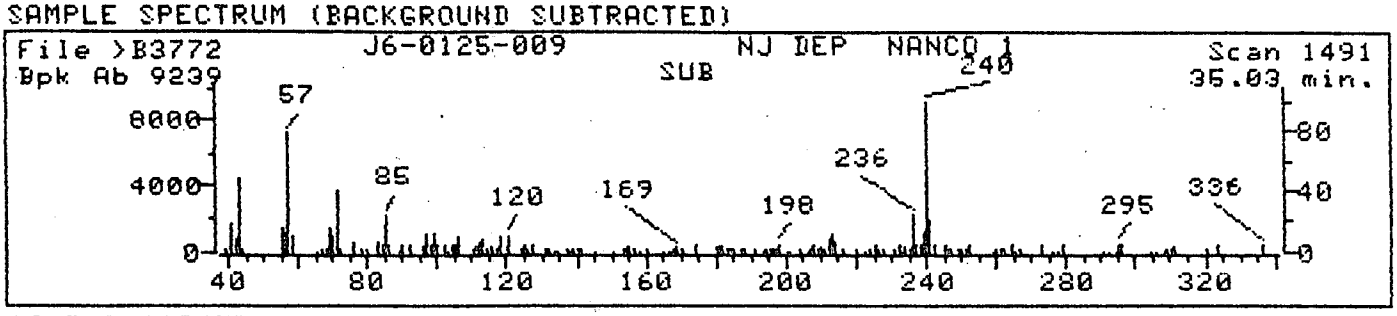
Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 78
Compound Name: 2-Fluorobiphenyl (Surr)
Scan Number: 778
Retention Time: 20.42 min.
Area: 76500
Concentration: 6376.56 UG
q-value: 91

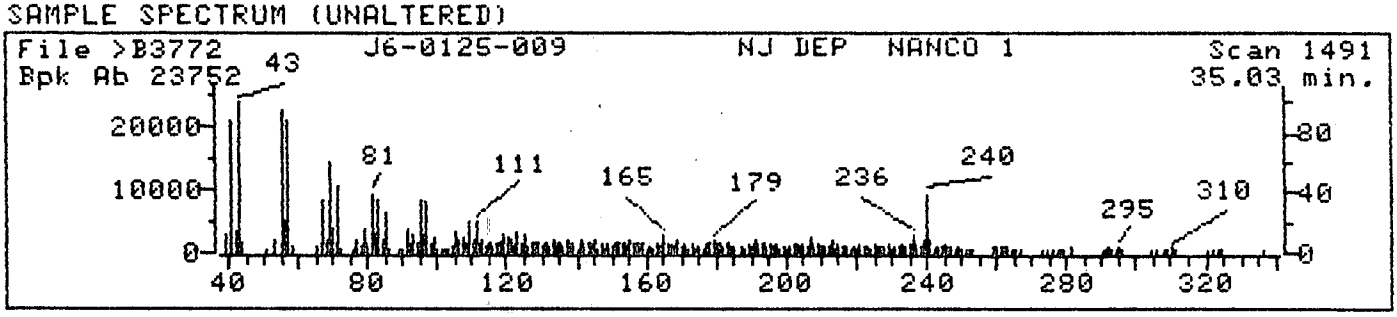
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



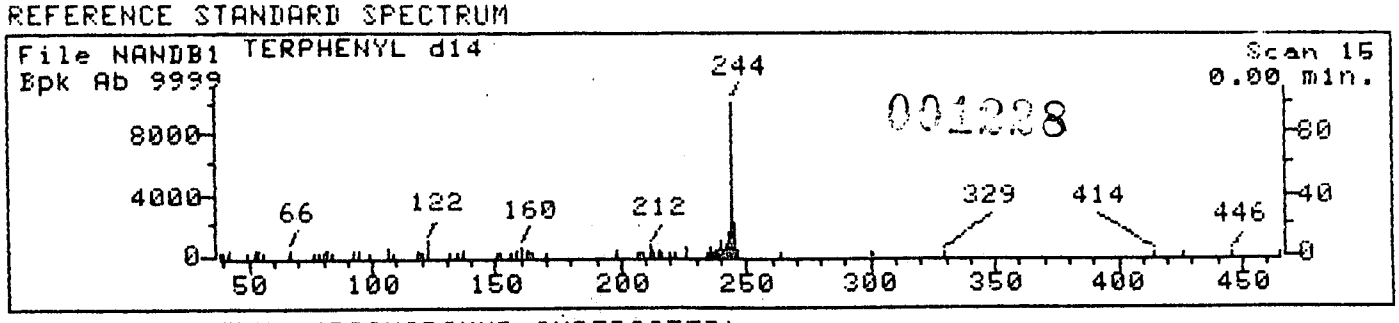
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

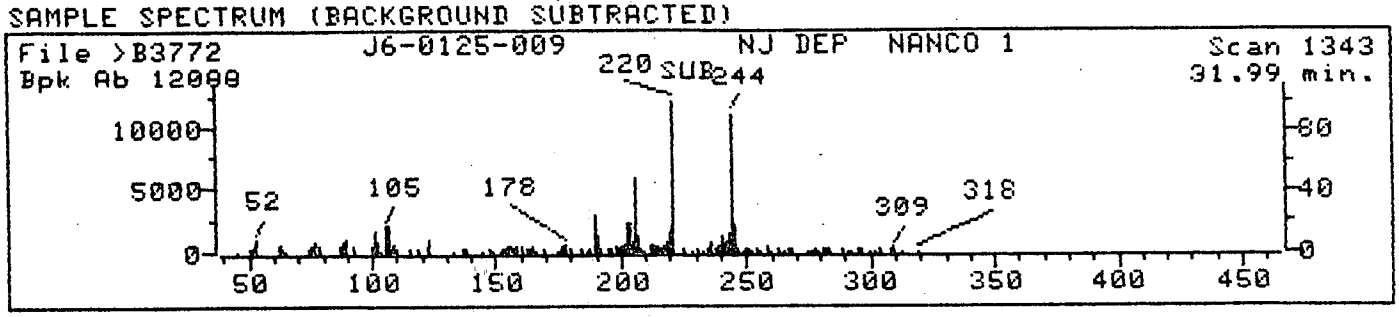
Compound No: 80 (ISTD)
Compound Name: Chrysene-d12 (IS)
Scan Number: 1491
Retention Time: 35.03 min.
Area: 32641
Concentration: 40.00 UG
q-value: 100

REFERENCE STANDARD SPECTRUM

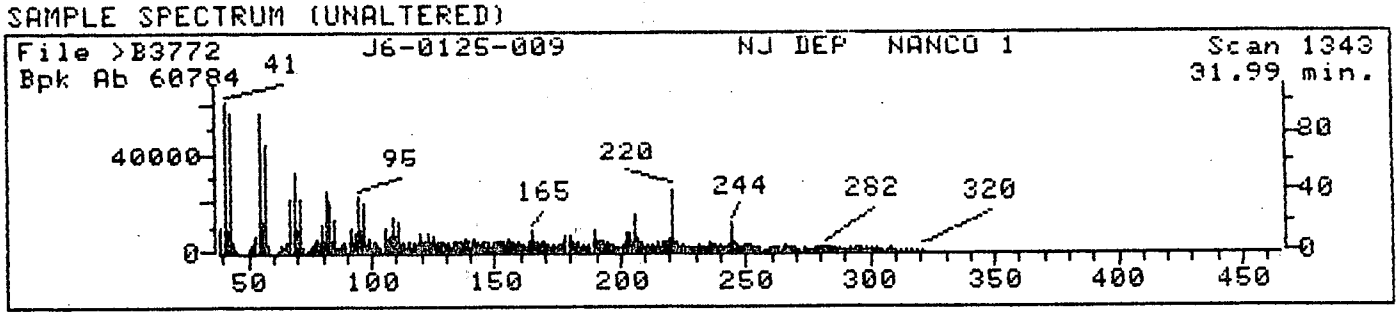


001228

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >B3772::D1
Name: J6-0125-009
Misc: NJ DEP NANCO 1 BTL# 3
Quant Time: 861028 15:03
Injected at: 861028 13:38

Compound No: 81
Compound Name: Terphenyl-d14 (Surr)
Scan Number: 1343
Retention Time: 31.99 min.
Area: 35670
Concentration: 3151.11 UG
q-value: 97

MS data file header from : >B3772

Sample: J6-0125-009 Operator: MORRIS MS 10/28/86 13:38
Misc : NJ DEP NANCO 1 BTL# 3
Sys. #: 1 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH01 Tuning file: MT7986 No. of extra records: 1
Source temp.: 200 Analyzer temp.: 220 Transfer line temp. : 280

Chromatographic temperatures :	30.	310.	0.	0.	0.
Chromatographic times, min. :	4.0	10.0	0.0	0.0	0.0
Chromatographic rate, deg/min:	8.0	0.0	0.0	0.0	0.0

>B3772 J6-0125-009 NJ DEP NANCO 1 001229
35.01 500.0 TIC

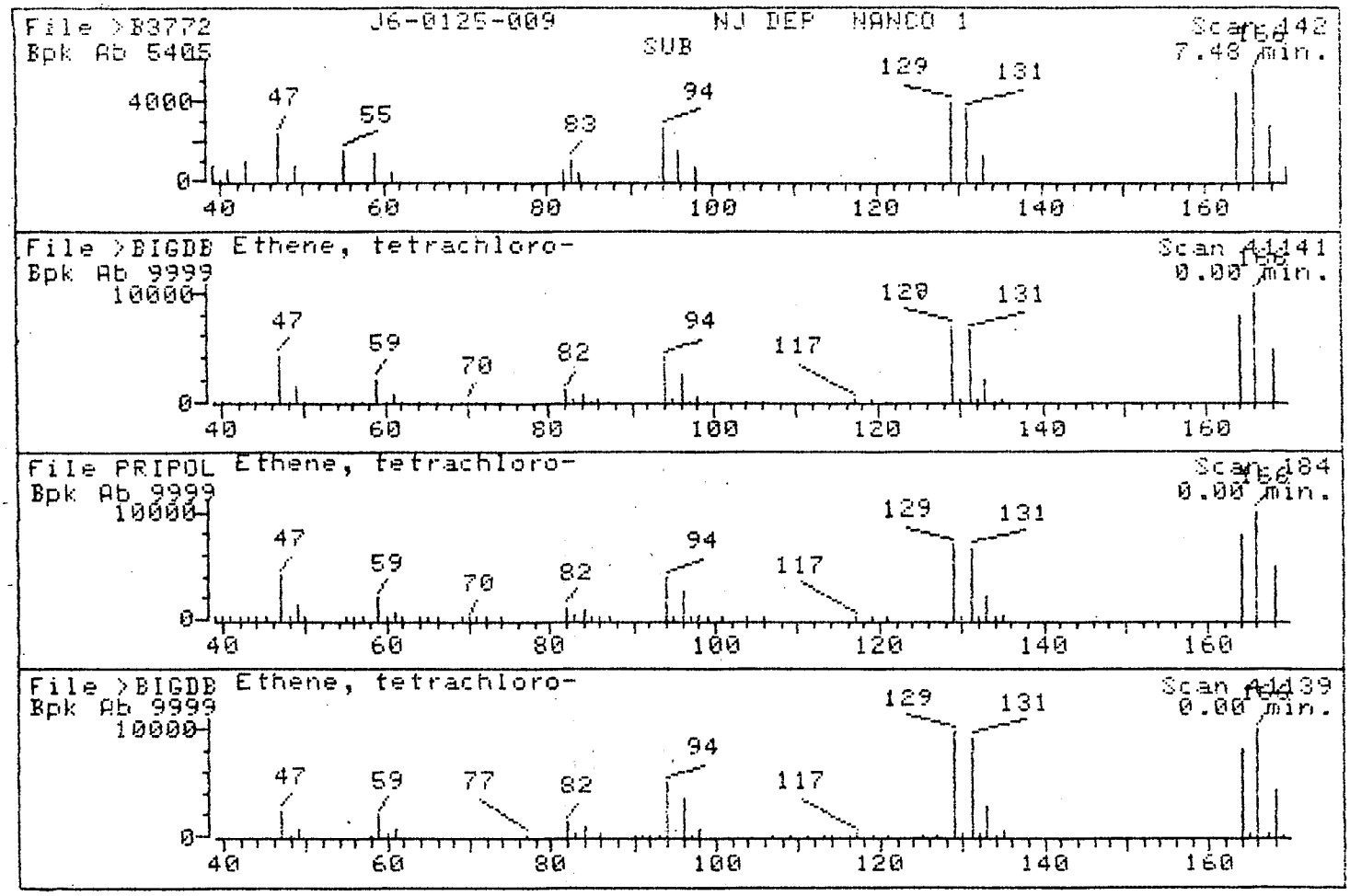
Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max.	% of total
1	7.482	136	142	144	37141	171118	160508	2.84	.312
2	7.583	144	147	154	37657	412714	269272	4.76	.524
3	8.151	173	175	177	33650	226226	129680	2.29	.252
4	8.273	177	181	193	58252	714645	491048	8.69	.955
5	8.658	193	200	220	719849	5746024	5653873	100.00	10.996
SR6	9.611	242	247	255	88014	581745	486270	8.60	.946
7	9.875	255	260	269	13717	177480	124365	2.20	.242
8	10.686	291	300	302	19040	235410	150858	2.67	.293
9	10.991	306	315	319	40860	733696	365133	6.46	.710
10	11.275	327	329	337	25014	485104	173458	3.07	.337
11	11.701	337	350	351	54551	986670	550018	9.73	1.070
12	11.823	351	356	360	27528	999003	240131	4.25	.467
13	12.087	363	369	371	74693	1331770	487200	8.62	.947
SR14	12.209	372	375	381	130622	1764186	640023	11.32	1.245
15	12.616	389	395	398	47479	1426565	322110	5.70	.626
16	12.798	398	404	406	40744	1483772	256530	4.54	.499
IS17	12.941	407	411	416	67345	1881820	355329	6.28	.691
18	13.307	418	429	434	247936	5324988	2535801	44.85	4.932
19	13.530	437	440	452	144768	4474814	1417662	25.07	2.757
20	14.079	453	467	473	312847	8685780	4556482	80.59	8.861
21	14.262	473	476	481	128602	3900295	703218	12.44	1.368
22	14.425	481	484	487	62938	2701129	301672	5.34	.587
23	14.588	487	492	496	189744	5263745	1352411	23.92	2.630
24	14.730	496	499	503	119882	4129349	600397	10.62	1.168
25	15.076	510	516	522	299915	9186390	2430230	42.98	4.726
26	15.423	526	533	542	346307	15271638	3847658	68.05	7.483
27	15.708	542	547	551	300972	9610506	2153584	38.09	4.188
28	16.034	560	563	565	97958	4423440	467397	8.27	.909
29	16.237	566	573	579	389922	16324830	4464824	78.97	8.683
30	17.501	628	635	642	530469	26516040	4606931	81.48	8.959
31	18.317	670	675	678	205260	15872844	1656330	29.30	3.221
32	25.755	1032	1039	1040	304377	20066932	2351722	41.59	4.574
33	30.779	1282	1284	1286	196999	7330746	542484	9.59	1.055
34	31.888	1336	1338	1341	111478	7136163	287403	5.08	.559
35	32.114	1346	1349	1355	170086	12105064	939141	16.61	1.826
36	32.298	1355	1358	1360	122926	6503046	317544	5.62	.618
37	34.005	1439	1441	1444	69815	3655431	279020	4.94	.543
IS38	35.031	1487	1491	1503	119527	7454191	1111342	19.66	2.161

41	38.735	1668	1672	1675	29981	1624042	190432	3.37	.370
IS 42	39.144	1688	1692	1696	117472	2100846	525180	9.29	- 1.021
43	39.511	1707	1710	1714	52796	1426767	197390	3.49	.384
44	39.674	1714	1718	1721	41797	1323398	177844	3.15	.346
45	40.000	1730	1734	1738	26834	1256831	144249	2.55	.281
46	40.530	1756	1760	1762	44165	911985	181377	3.21	.353
47	40.876	1771	1777	1779	114909	1462513	505027	8.93	.982
48	41.853	1820	1825	1835	157880	1791398	763016	13.50	1.484
49	43.113	1883	1887	1891	33316	584951	172936	3.06	.336
50	43.276	1891	1895	1900	27770	575840	145823	2.58	.284

Sum of corrected areas: 51419856.

IS 51)	16.81	601
IS 52)	22.52	881
IS 53)	27.05	1102
54)	14.61	493
55)	20.42	778
56)	24.98	1001
57)	31.99	1343

001230

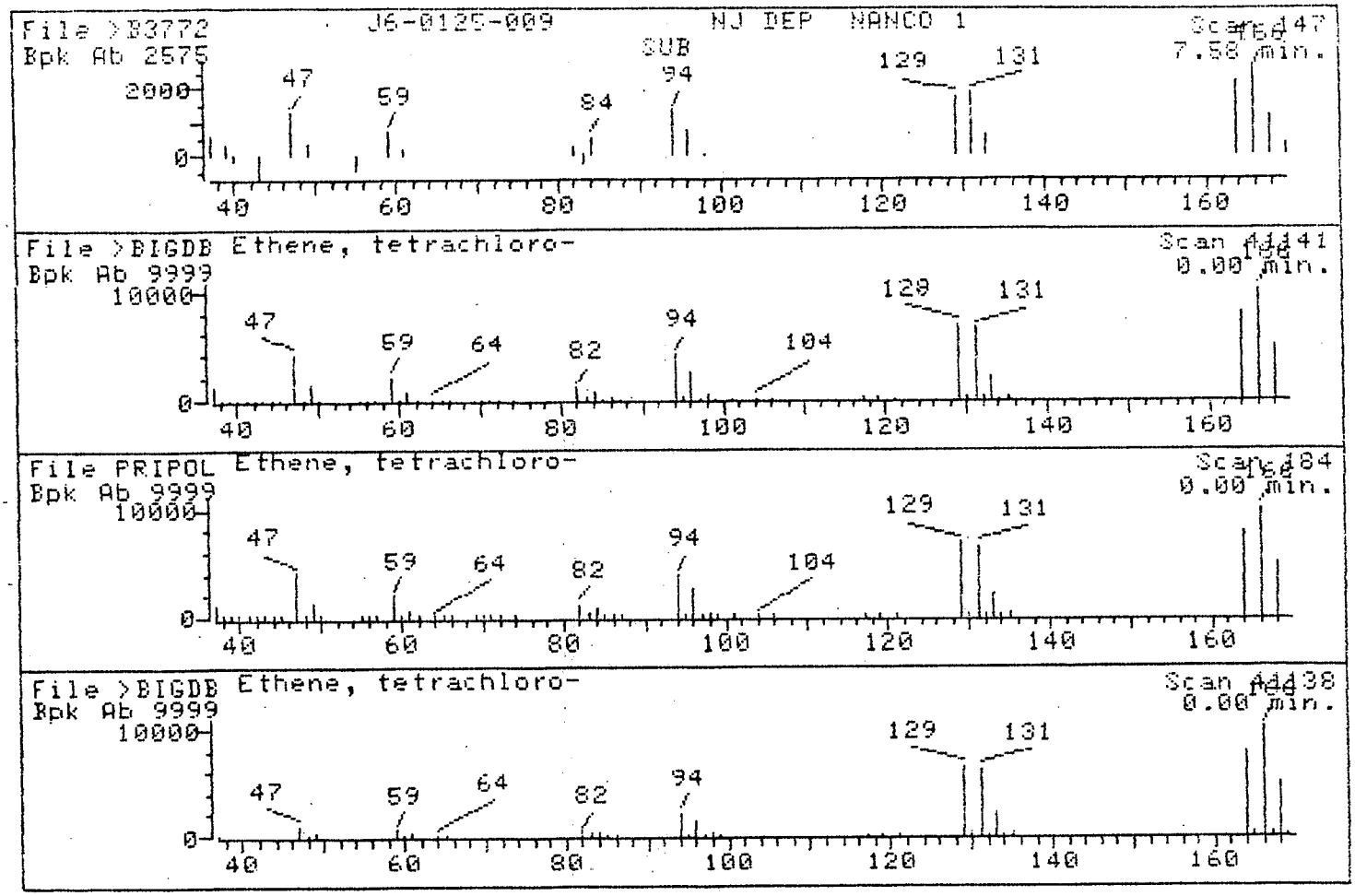


001231

1.	Ethene, tetrachloro-	164 C2Cl4
2.	Ethene, tetrachloro-	164 C2Cl4
3.	Ethene, tetrachloro-	164 C2Cl4
4.	Ethene, tetrachloro-	164 C2Cl4
5.	Ethene, tetrachloro-	164 C2Cl4

Sample file: >B3772 Spectrum #: 142
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	97*	127184	41141	"BIGDB	115	28	1	0	100	0	72	97
2.	97*	184	283	PRIPOL	115	28	1	0	100	0	72	97
3.	76*	127184	41139	"BIGDB	76	55	2	0	72	12	40	59
4.	76*	182	281	PRIPOL	76	55	2	0	72	12	40	59
5.	76*	127184	41140	"BIGDB	76	58	2	0	90	12	40	59

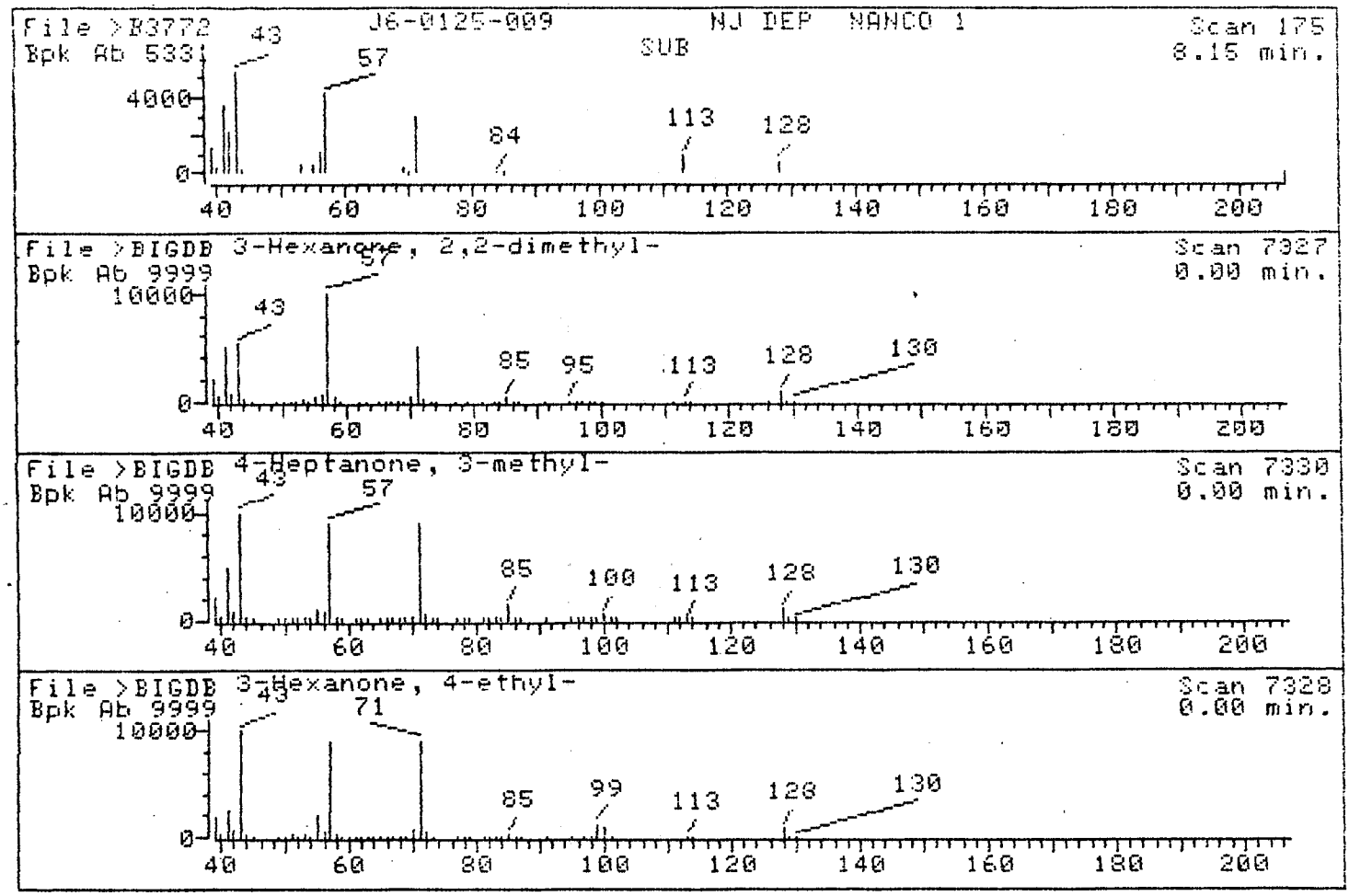


001232

1.	Ethene, tetrachloro-	164 C2Cl4
2.	Ethene, tetrachloro-	164 C2Cl4
3.	Ethene, tetrachloro-	164 C2Cl4
4.	Ethene, tetrachloro-	164 C2Cl4
5.	Ethene, tetrachloro-	164 C2Cl4

Sample file: >B3772 Spectrum #: 147
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	127184	41141	"BIGDB	106	37	1	0	95	2	72	96
2.	96*	184	283	PRIPOL	106	37	1	0	95	2	72	96
3.	74*	127184	41138	"BIGDB	67	55	2	0	95	15	39	46
4.	74*	181	280	PRIPOL	67	55	2	0	95	15	39	46
5.	74*	183	282	PRIPOL	67	67	2	0	86	15	39	46

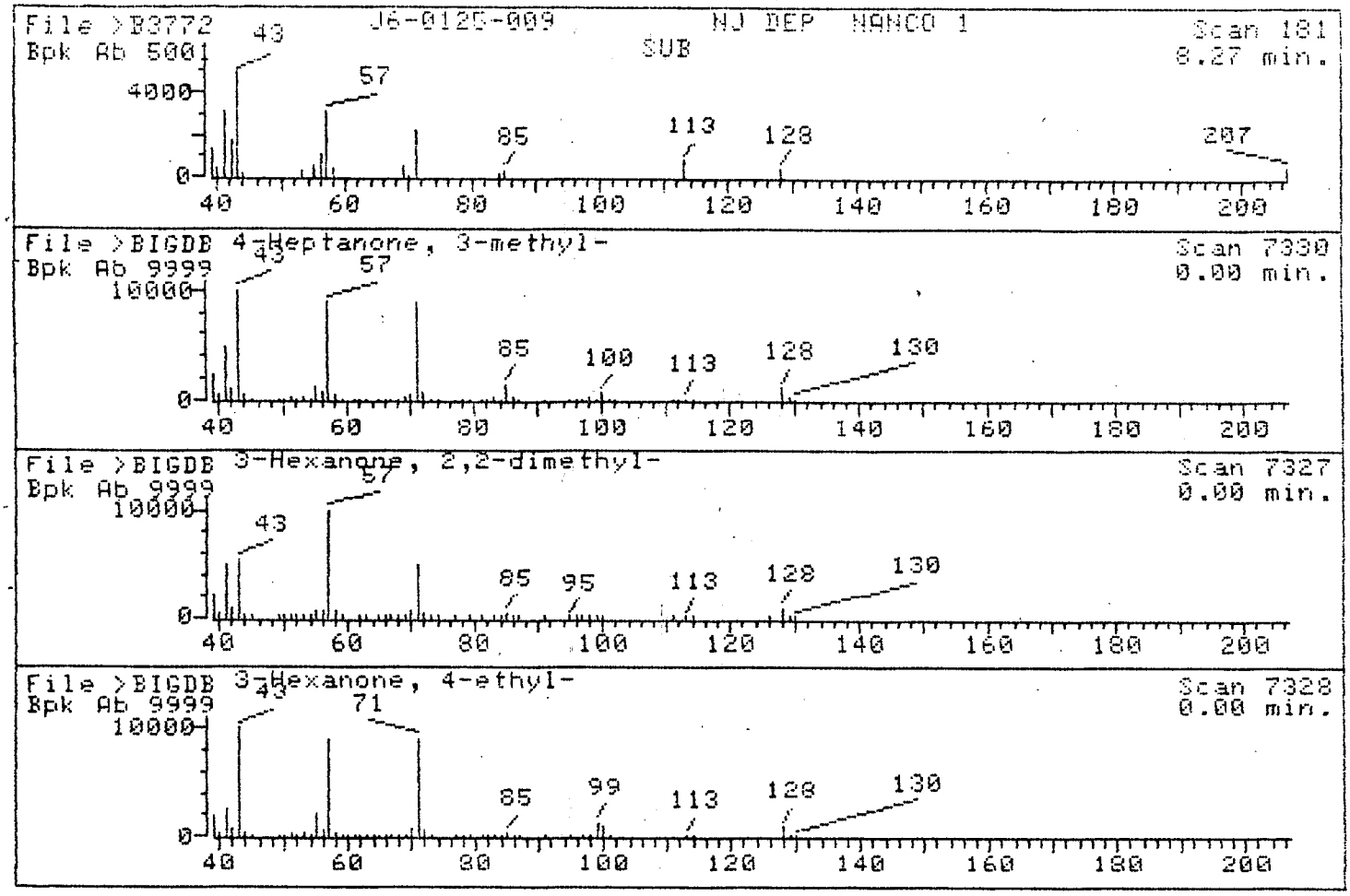


001233

1. 3-Hexanone, 2,2-dimethyl- 128 C8H16O
2. 4-Heptanone, 3-methyl- 128 C8H16O
3. 3-Hexanone, 4-ethyl- 128 C8H16O
4. Azetidine, 2-methyl- 71 C4H9N

Sample file: >B3772 Spectrum #: 175
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	28*	5405798	7327	"BIGDB	25	60	2	0	78	36	10	14
2.	27*	15726155	7330	"BIGDB	27	69	3	0	61	38	10	13
3.	27*	6137128	7328	"BIGDB	27	72	3	0	60	39	10	13
4.	11*	19812498	7602	"BIGDB	29	33	2	0	54	63	2	14



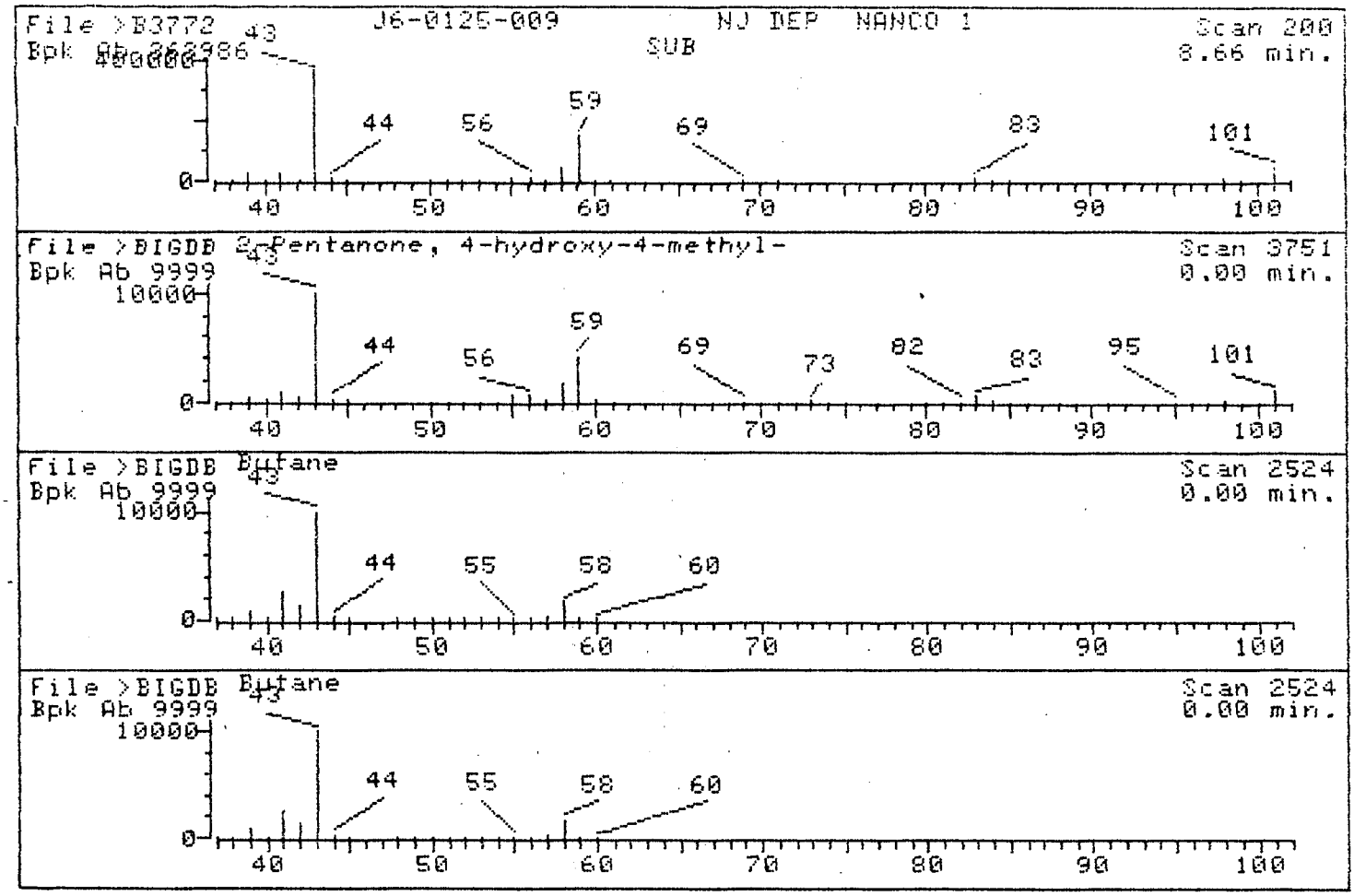
001234

KETONE

1. 4-Heptanone, 3-methyl- 128 C8H16O
2. 3-Hexanone, 2,2-dimethyl- 128 C8H16O
3. 3-Hexanone, 4-ethyl- 128 C8H16O
4. 2H-Pyran-2-one, tetrahydro-6,6-dimethyl- 128 C7H12O2
5. Propane, 2-methyl- 58 C4H10

Sample file: >B3772 Spectrum #: 181
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	27*	15726155	7330	"BIGDB	23	58	2	0	48	40	10	13
2.	25*	5405798	7327	"BIGDB	20	65	2	0	61	49	7	13
3.	24*	6137128	7328	"BIGDB	23	61	3	0	47	44	8	12
4.	24*	2610959	2266	"BIGDB	22	74	3	0	68	44	8	12
5.	20*	75285	410	"BIGDB	30	44	1	0	100	55	5	16

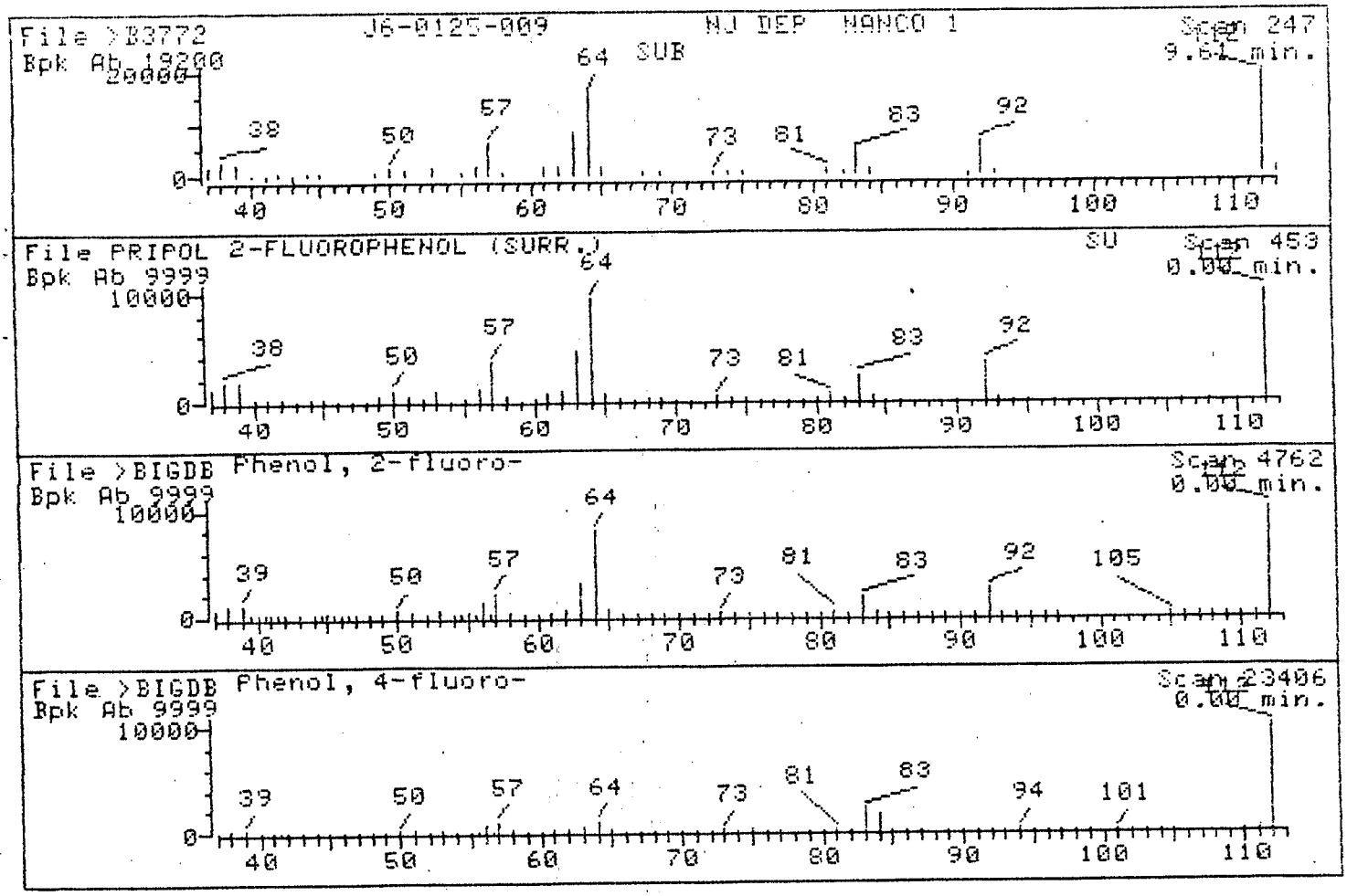


001335

1. 2-Pentanone, 4-hydroxy-4-methyl- 116 C6H12O2
2. Butane 58 C4H10

Sample file: >B3772 Spectrum #: 200
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78	123422	3751	"BIGDB	38	45	2	0	67	3	55	13
2.	27*	106978	2524	"BIGDB	22	50	2	0	69	38	10	13

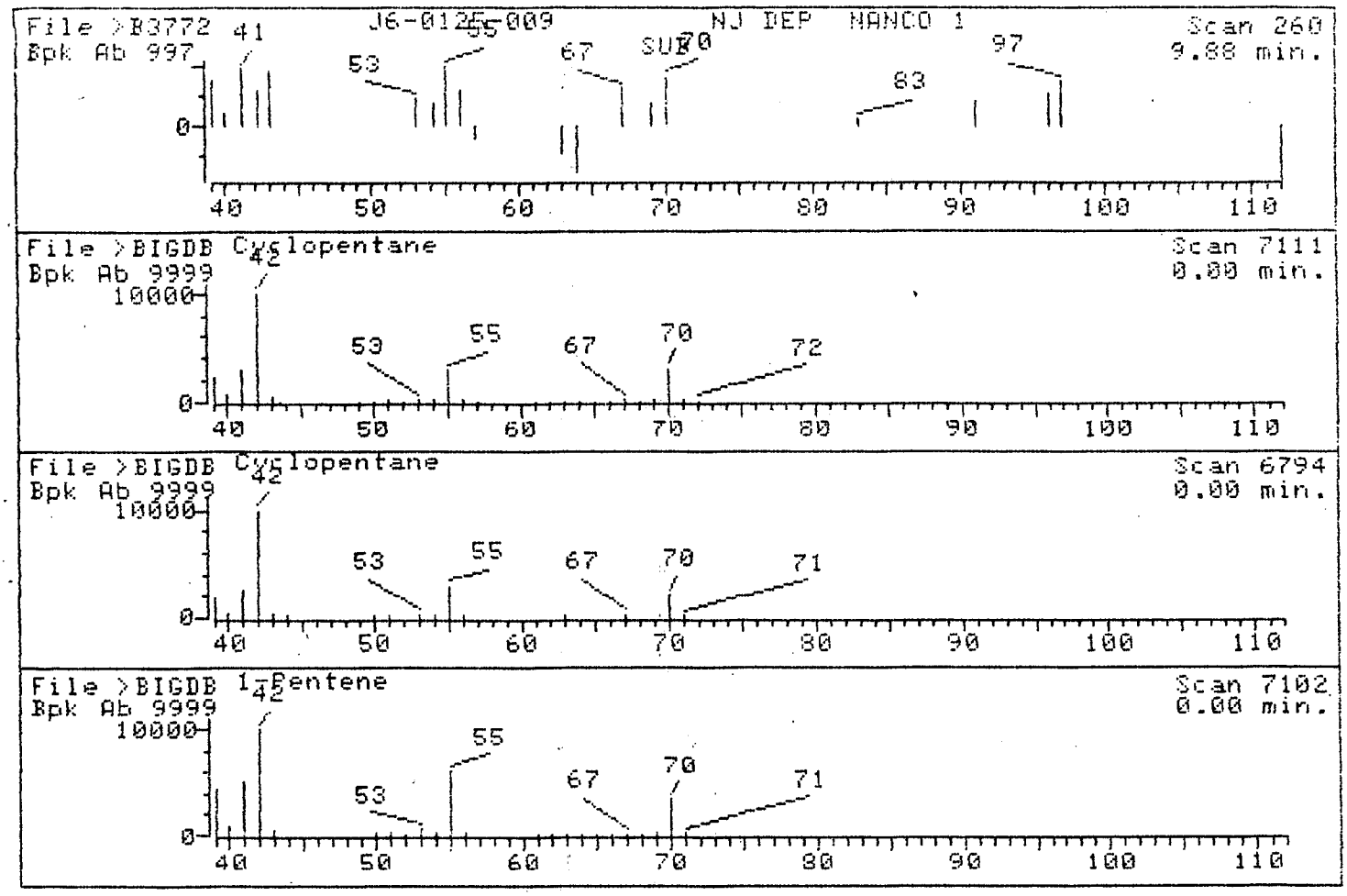


001236

1. 2-FLUOROPHENOL (SURR.) SU 112 C6.H5FO
   RROGATE COMPOUND BNA
   SURROGATE
2. Phenol, 2-fluoro- 112 C6H5FO
3. Phenol, 4-fluoro- 112 C6H5FO
4. Phenol, 3-fluoro- 112 C6H5FO
5. 2-Thiophenecarboxaldehyde 112 C5H4OS

Sample file: >B3772 Spectrum #: 247
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	99*	453	57	PRIPOL	115	1	0	0	79	0	72	99
2.	93*	367124	4762	"BIGDB	88	21	1	0	98	1	68	86
3.	25*	371415	23406	"BIGDB	32	58	2	0	100	50	7	16
4.	25*	372203	23405	"BIGDB	28	72	2	0	73	47	7	14
5.	20*	98033	23390	"BIGDB	37	71	3	0	100	55	5	13

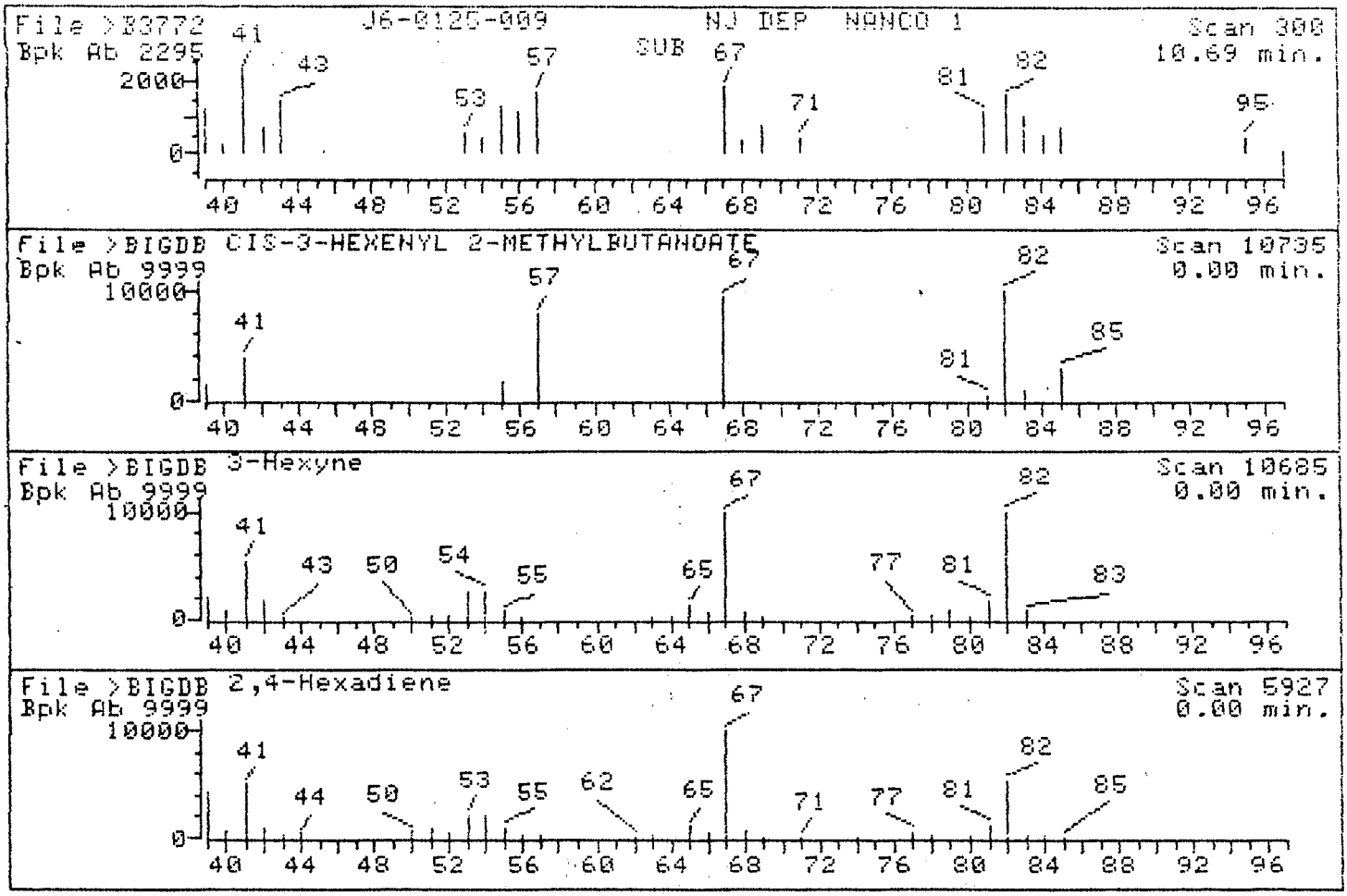


001237

1.	Cyclopentane	70 C5H10
2.	Cyclopentane	70 C5H10
3.	1-Pentene	70 C5H10
4.	Cyclopropane, ethyl-	70 C5H10
5.	Cyclopropane, 1,2-dimethyl-, trans-	70 C5H10

Sample file: >B3772 Spectrum #: 260
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	20*	287923	7111	"BIGDB	21	53	2	0	272	53	5	13
2.	20*	287923	6794	"BIGDB	20	52	2	0	349	51	5	13
3.	20*	109671	7102	"BIGDB	26	60	3	0	165	51	5	13
4.	20*	1191964	6792	"BIGDB	26	63	3	0	196	53	5	13
5.	20*	2402064	6790	"BIGDB	23	67	2	0	100	52	5	13

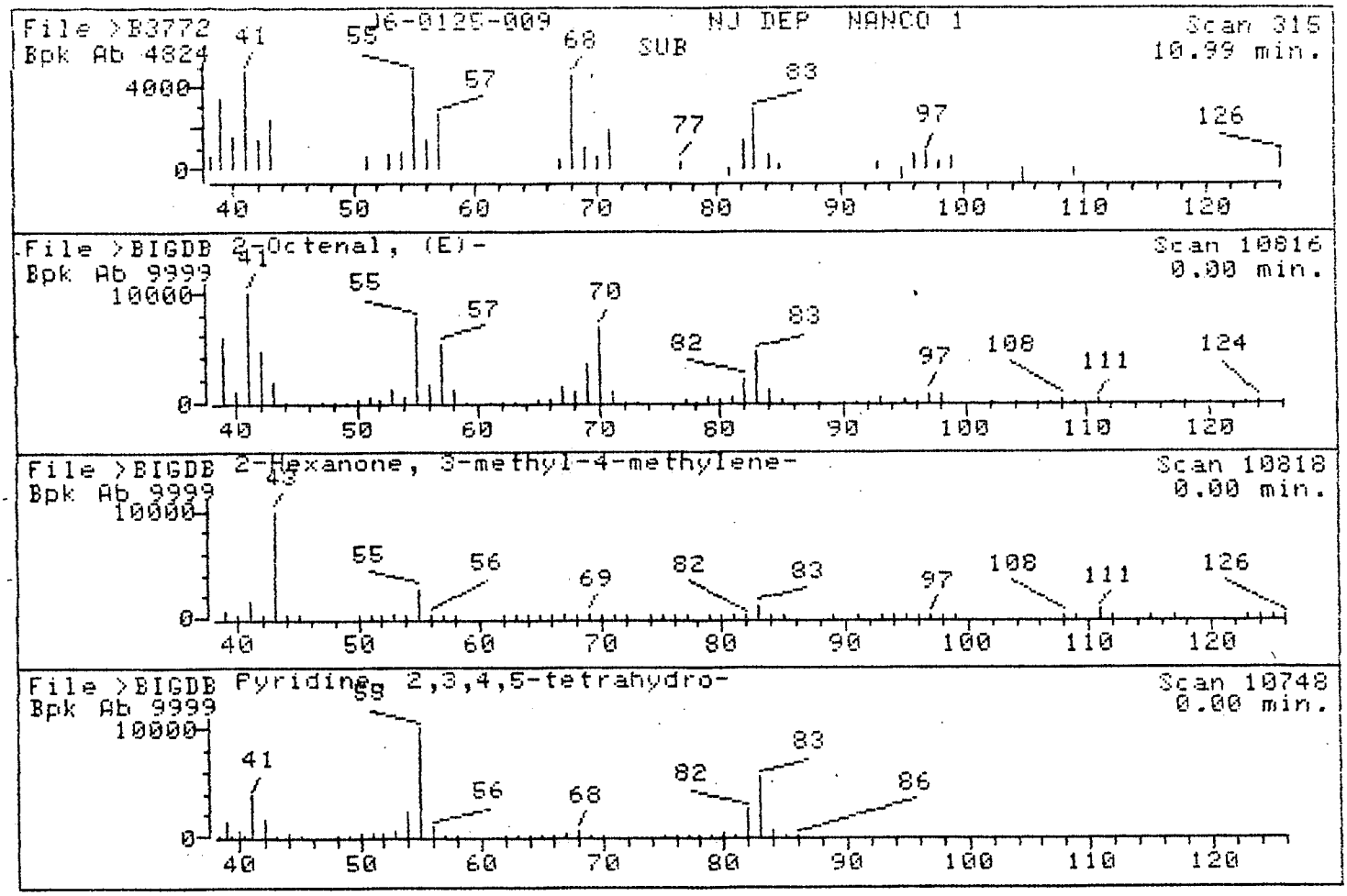


001238

1. CIS-3-HEXENYL 2-METHYLBUTANOATE 184 C11H20O2
2. 3-Hexyne 82 C6H10
3. 2,4-Hexadiene 82 C6H10
4. 3-Hexyne 82 C6H10
5. 3-Hexyne 82 C6H10

Sample file: >B3772 Spectrum #: 300
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	32	0	10735	"BIGDB	34	30	0	0	69	39	10	18
2.	15*	928494	10685	"BIGDB	33	63	3	0	69	60	3	13
3.	15*	592461	5927	"BIGDB	23	74	3	0	79	60	3	12
4.	11*	928494	10551	"BIGDB	33	78	3	0	74	62	2	13
5.	11*	928494	10686	"BIGDB	25	76	3	0	79	63	2	13



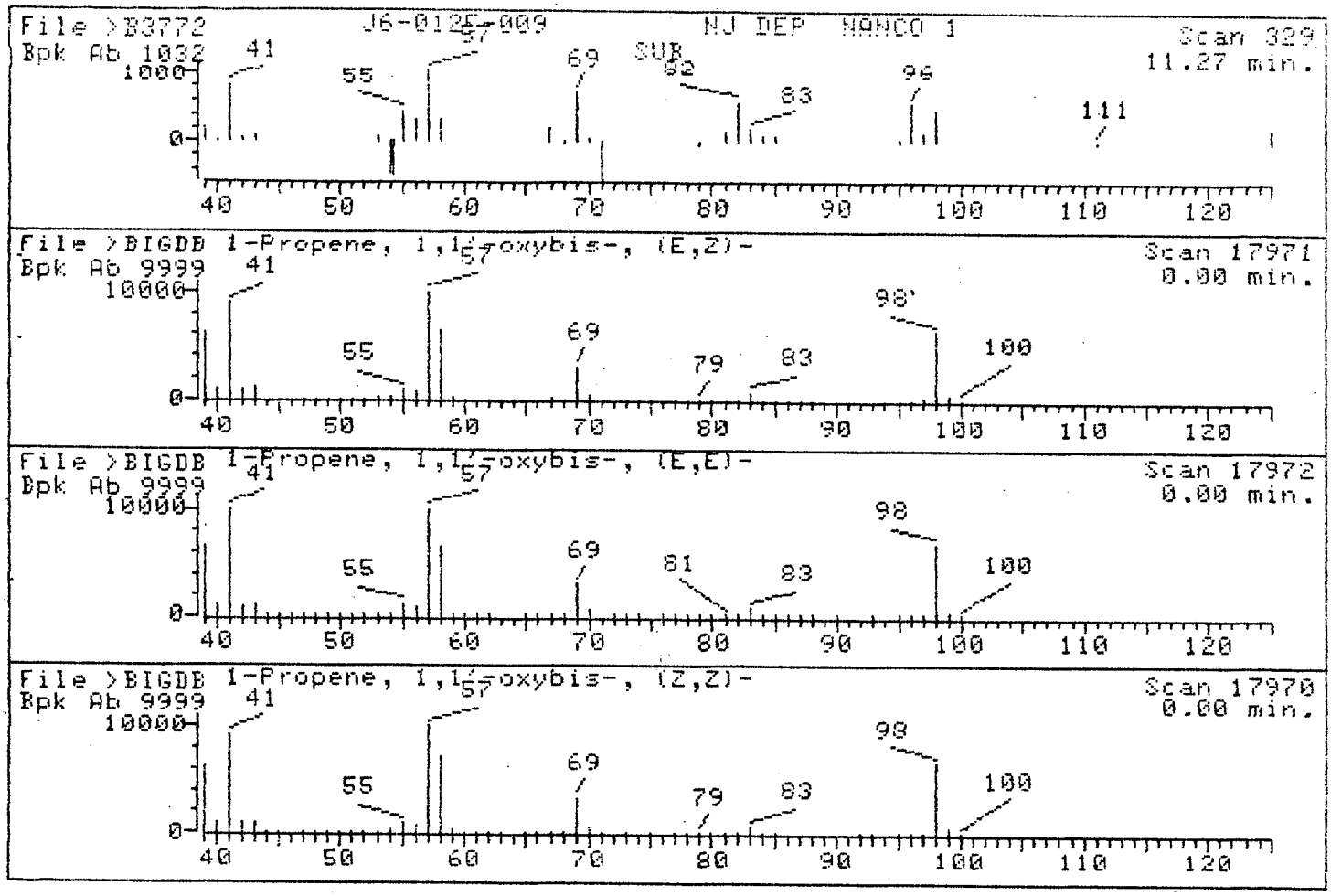
001239

U.K.

1.	2-Octenal, (E)-	126	C8H14O
2.	2-Hexanone, 3-methyl-4-methylene-	126	C8H14O
3.	Pyridine, 2,3,4,5-tetrahydro-	83	C5H9N
4.	Cyclopentane, 1-methyl-3-(1-methylethyl)-	126	C9H18
5.	2-Butenal, 3-methyl-	84	C5H8O

Sample file: >B3772 Spectrum #: 315
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	31*	2548870	10816	"BIGDB	57	53	3	0	100	44	12	22
2.	20*	20690715	10818	"BIGDB	26	47	3	0	375	54	5	13
3.	20*	505180	10748	"BIGDB	22	71	1	0	74	54	5	14
4.	20*	53771883	10824	"BIGDB	22	80	3	0	90	52	5	12
5.	15*	107868	10751	"BIGDB	49	53	3	0	93	56	3	14

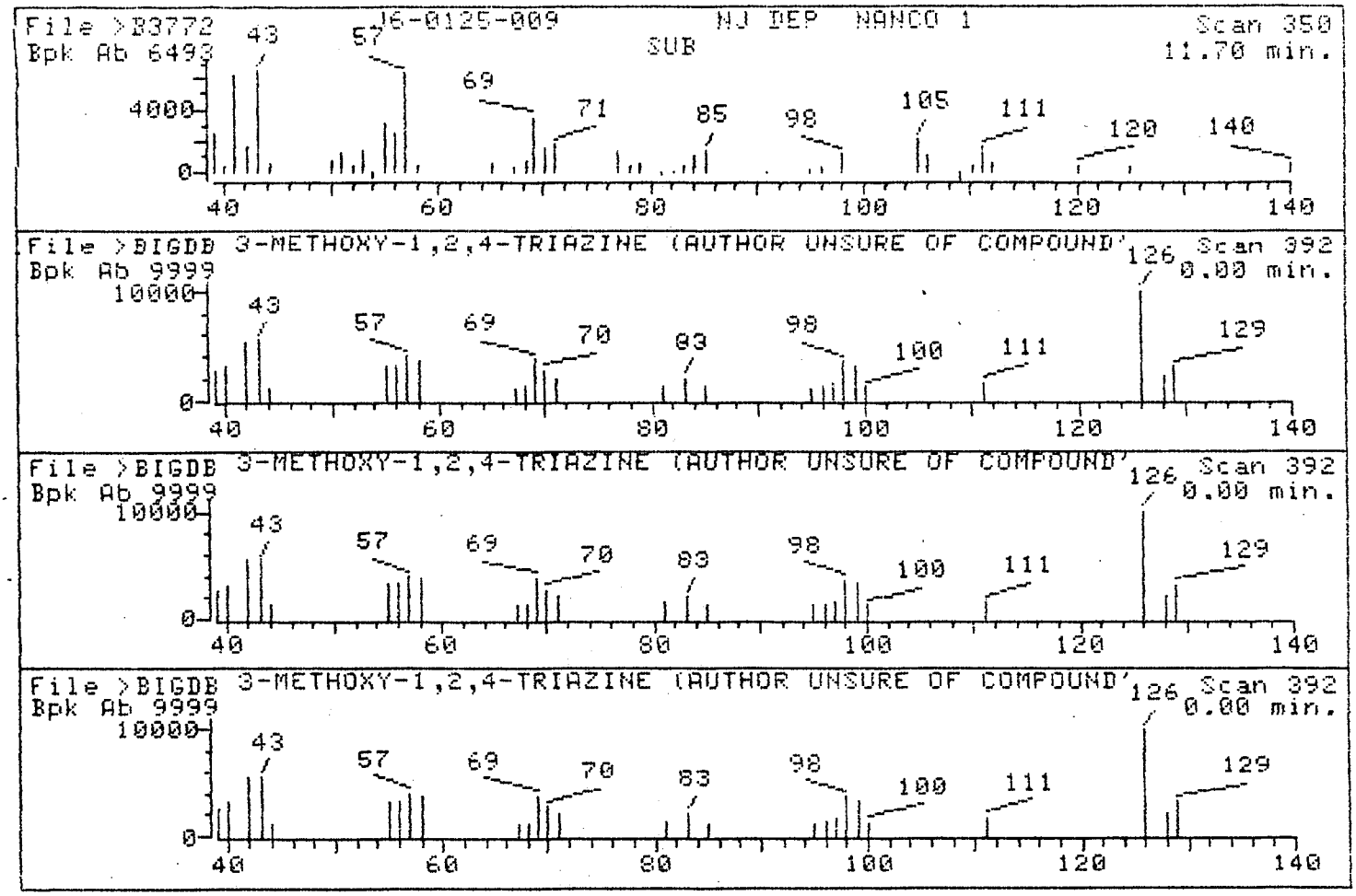


001240

1. 1-Propene, 1,1'-oxybis-, (E,Z)- 98 C6H10O
2. 1-Propene, 1,1'-oxybis-, (E,E)- 98 C6H10O
3. 1-Propene, 1,1'-oxybis-, (Z,Z)- 98 C6H10O
4. Acetaldehyde, 2-propenylhydrazone 98 C5H10N2

Sample file: >B3772 Spectrum #: 329
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	4696291	17971	"BIGDB	27	69	3	0	73	50	7	13
2.	25*	4696280	17972	"BIGDB	27	70	3	0	69	50	7	13
3.	25*	4696279	17970	"BIGDB	27	71	3	0	71	50	7	13
4.	11*	19031777	17943	"BIGDB	25	89	3	0	69	64	2	13



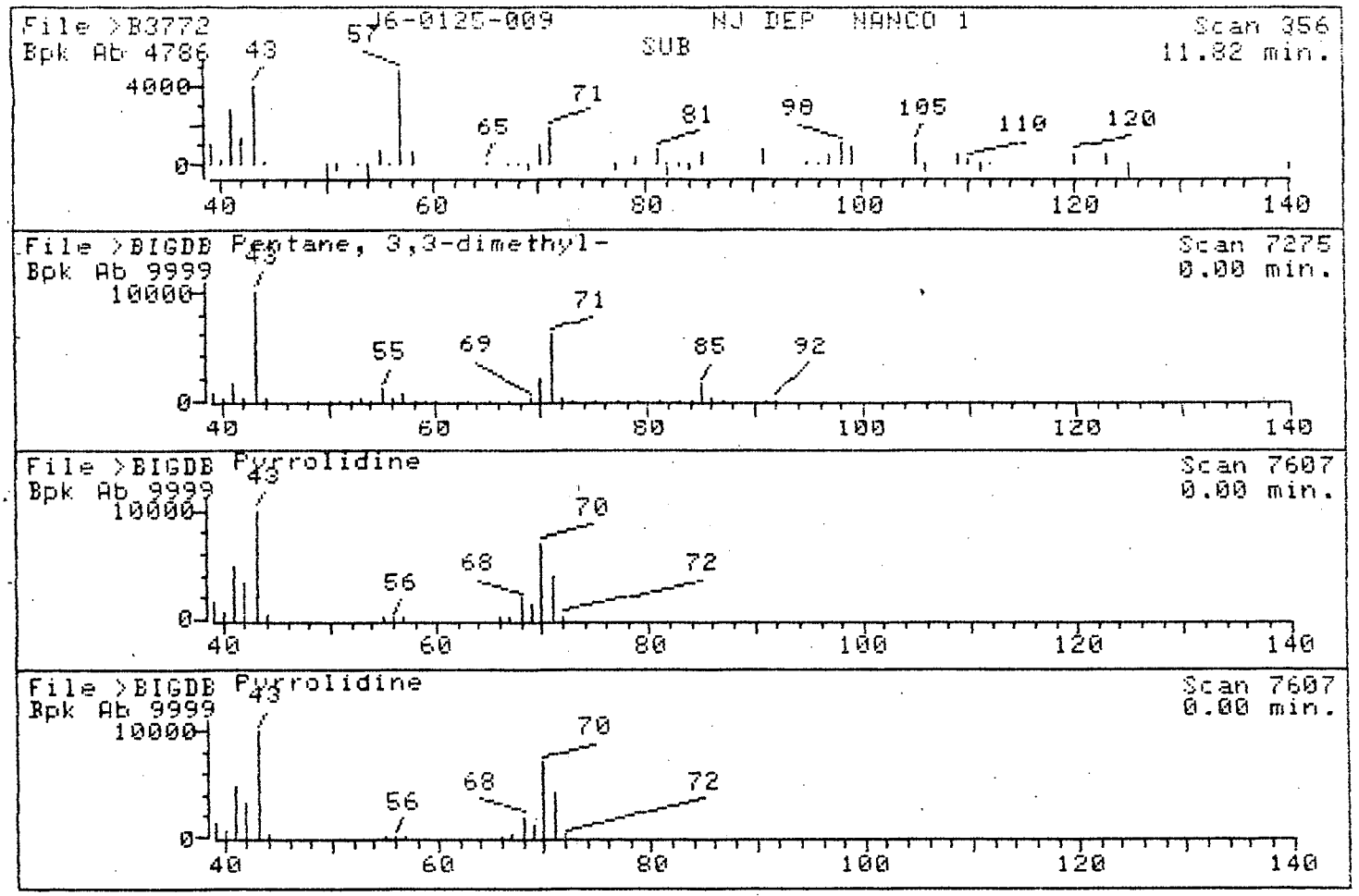
U.K.

001241

1. 3-METHOXY-1,2,4-TRIAZINE (AUTHOR UNSURE OF COMPOUND' S IDENTITY) 111 C4H5N3O

Sample file: >B3772 Spectrum #: 350
Search speed: 1 Tilting option: N No. of ion ranges searched: 52

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	11*	0	392	"BIGDB	23	111	3	0	57	62	2	12

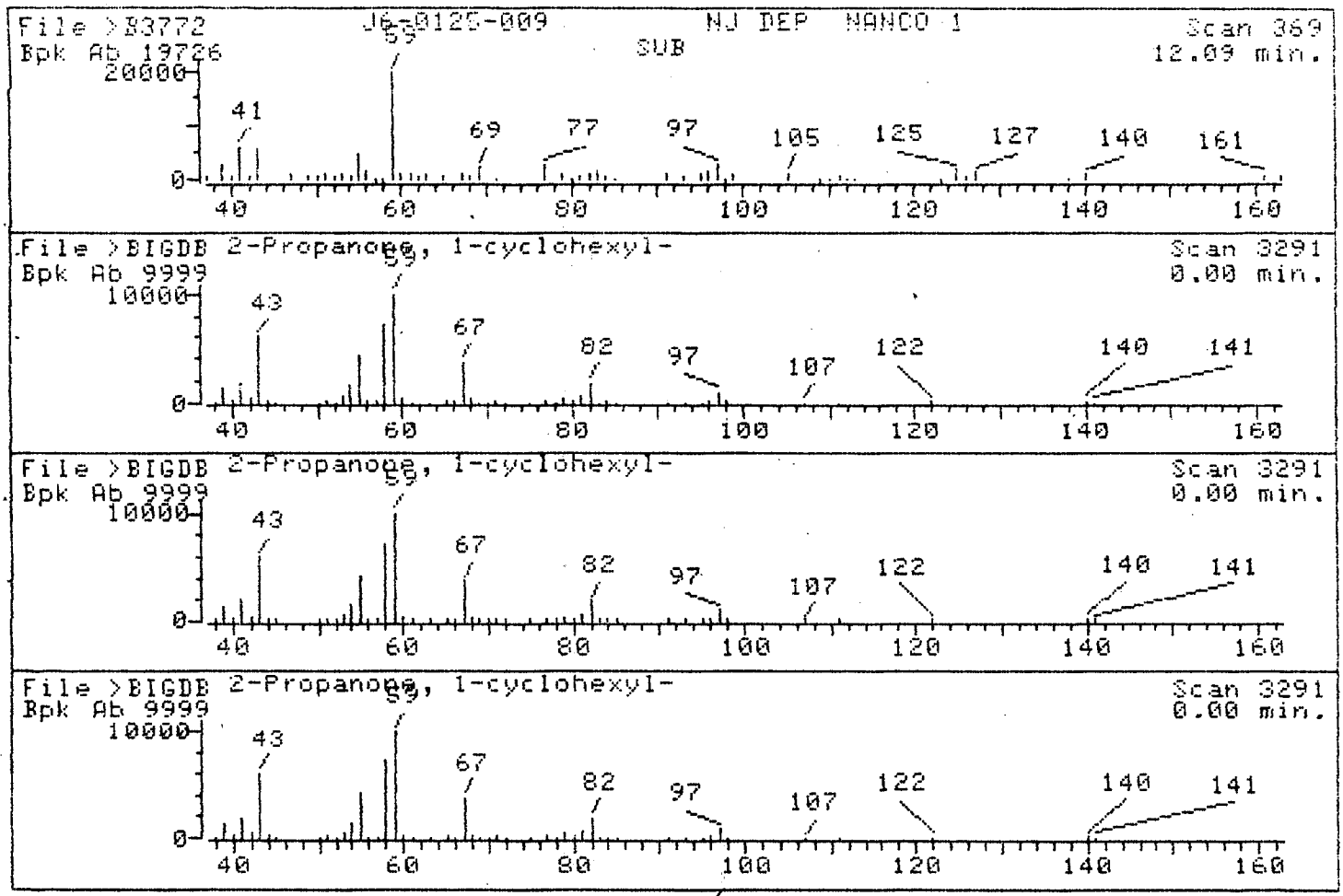


001242

1. Pentane, 3,3-dimethyl- 100 C7H16
2. Pyrrolidine 71 C4H9N

Sample file: >B3772 Spectrum #: 356
Search speed: 1 Tilting option: N No. of ion ranges searched: 50

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	15	562492	7275	"BIGDB	41	38	2	0	65	58	3	14
2.	11*	123751	7607	"BIGDB	31	62	3	0	84	64	2	13



KETONE

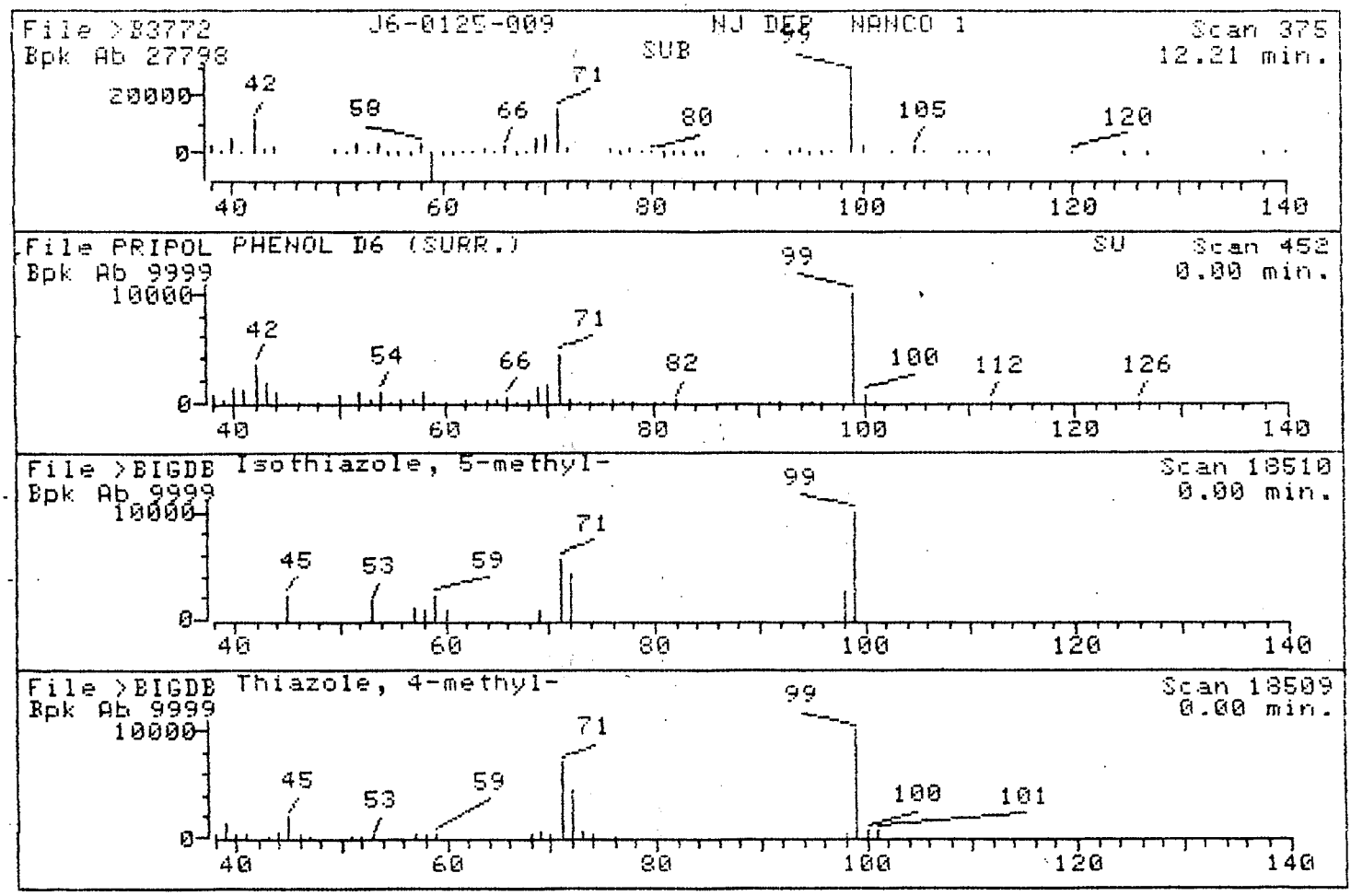
001243

1. 2-Propanone, 1-cyclohexyl- 140 C9H16O

Sample file: >B3772 Spectrum #: 369

Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	36*	103786	3291	"BIGDB	32	64	3	0	100	30	14	13

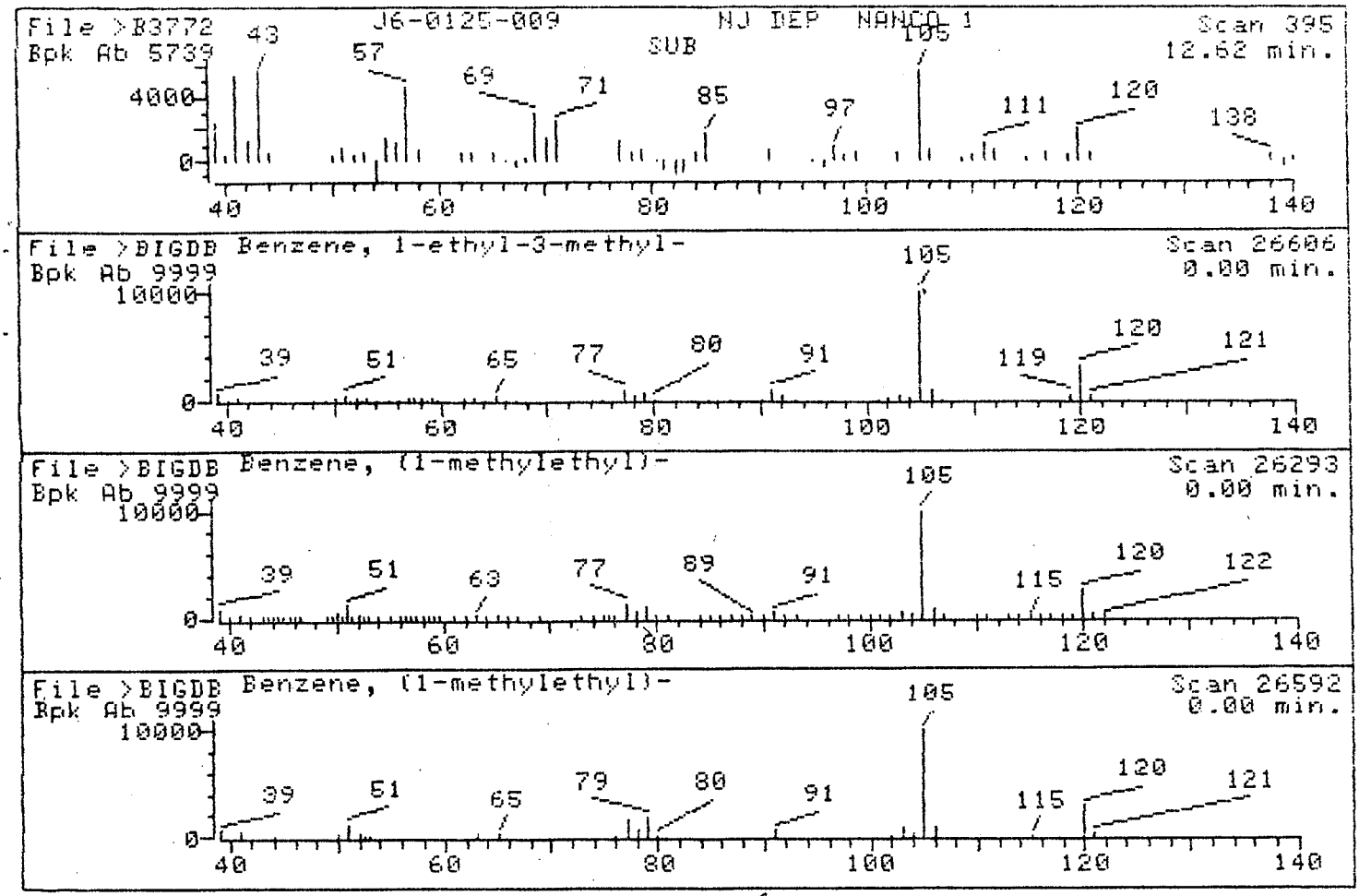


001244

1. PHENOL D6 (SURR.) SU 100 C6.D6.0
RROGATE COMPOUND BNA
SURROGATE
2. Isothiazole, 5-methyl- 99 C4H5NS
3. Thiazole, 4-methyl- 99 C4H5NS
4. Thiazole, 5-methyl- 99 C4H5NS
5. Pyrrolidine 71 C4H9N

Sample file: >B3772 Spectrum #: 375
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	96*	452	159	PRIPOL	88	6	1	0	99	0	72	96
2.	27*	693970	18510	"BIGDB	29	57	3	0	98	38	10	13
3.	26*	693958	18509	"BIGDB	23	72	3	0	78	37	10	12
4.	26*	3581893	18508	"BIGDB	23	87	3	0	100	40	10	12
5.	20*	123751	7603	"BIGDB	23	63	3	0	181	51	5	12



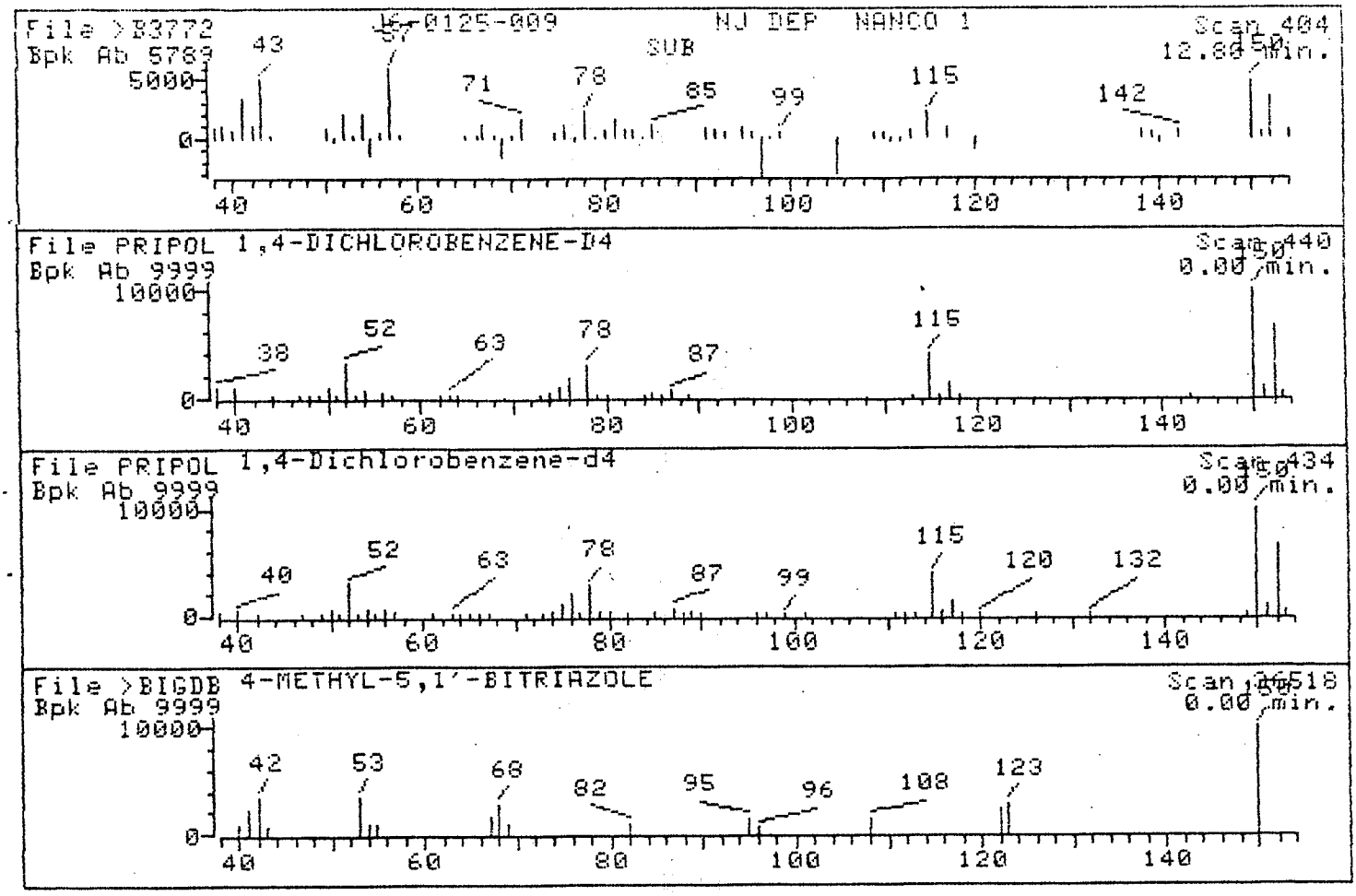
U.K.
AROMATIC

001245

1.	Benzene, 1-ethyl-3-methyl-	120	C9H12
2.	Benzene, (1-methylethyl)-	120	C9H12
3.	Benzene, (1-methylethyl)-	120	C9H12
4.	Benzene, 1,2,3-trimethyl-	120	C9H12
5.	Benzene, 1-ethyl-4-methyl-	120	C9H12

Sample file: >B3772 Spectrum #: 395
Search speed: 1 Tilting option: N No. of ion ranges searched: 51

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	28*	620144	26606	"BIGDB	51	38	2	0	100	52	8	33
2.	28*	98828	26293	"BIGDB	50	37	2	0	100	52	8	31
3.	25*	98828	26592	"BIGDB	45	48	3	0	100	48	7	16
4.	24*	526738	26594	"BIGDB	48	52	2	0	70	52	7	21
5.	24*	622968	26299	"BIGDB	43	42	2	0	100	52	7	23

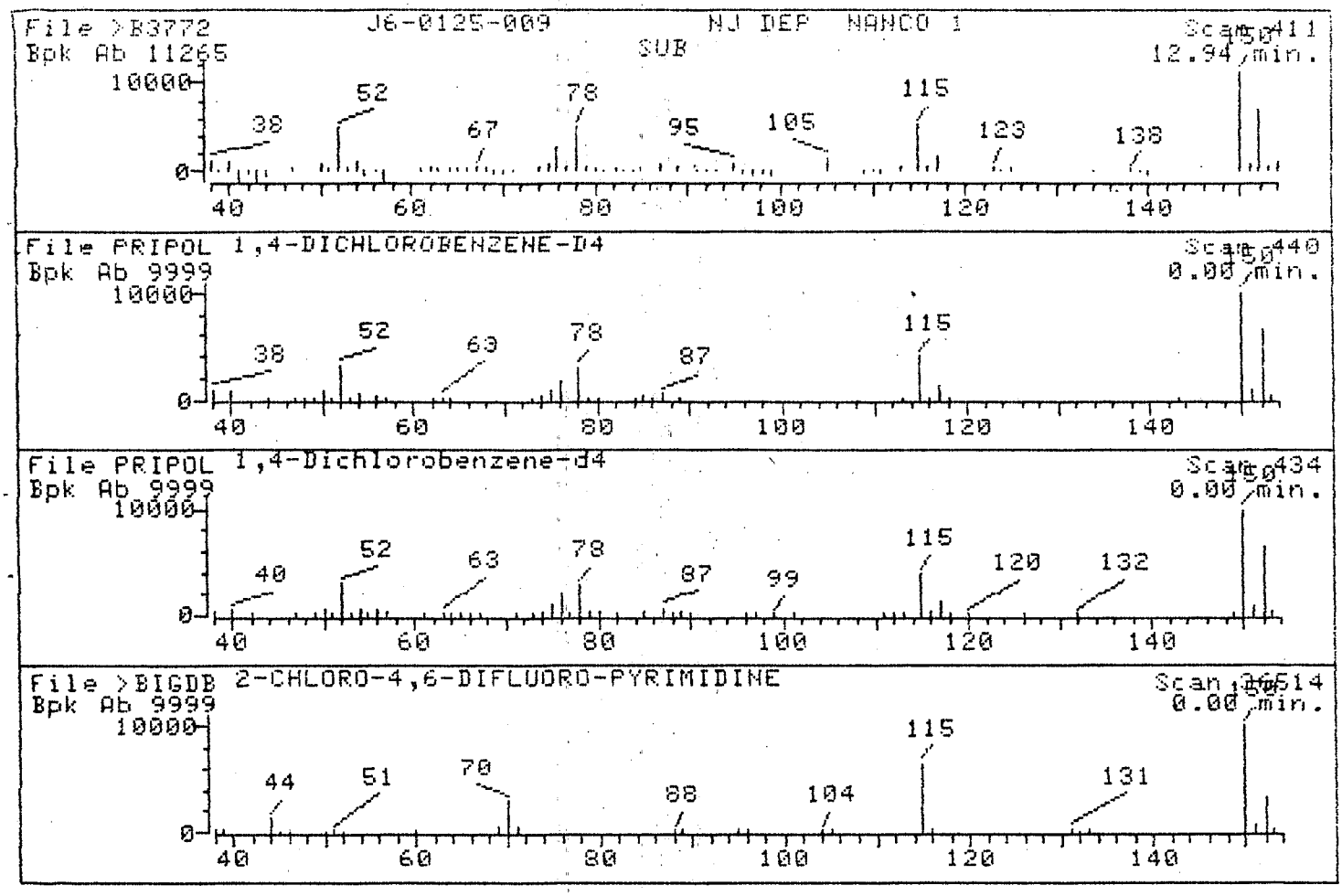


001246

1.	1,4-DICHLOROBENZENE-D4	150	C6.D4.CL4
	INTERNAL STD.		BNA
2.	1,4-Dichlorobenzene-d4	150	C6.D4.CL4
			1
3.	4-METHYL-5,1'-BITRIAZOLE	150	C5H6N6
4.	Benzenamine, N,N-dimethyl-4-nitroso-	150	C8H10N2O
5.	Imidazo[5,1-f][1,2,4]triazine-2,7-diamine	150	C5H6N6
			800

Sample file: >B3772 Spectrum #: 404
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	64*	440	257	PRIPOL	65	45	2	0	82	22	28	44
2.	59*	434	256	PRIPOL	60	47	2	0	82	21	27	37
3.	15*	0	36518	"BIGDB	28	81	3	0	82	59	3	13



001247

1. 1,4-DICHLOROBENZENE-D4 150 C6.D4.CL4

BNA

INTERNAL STD. 1

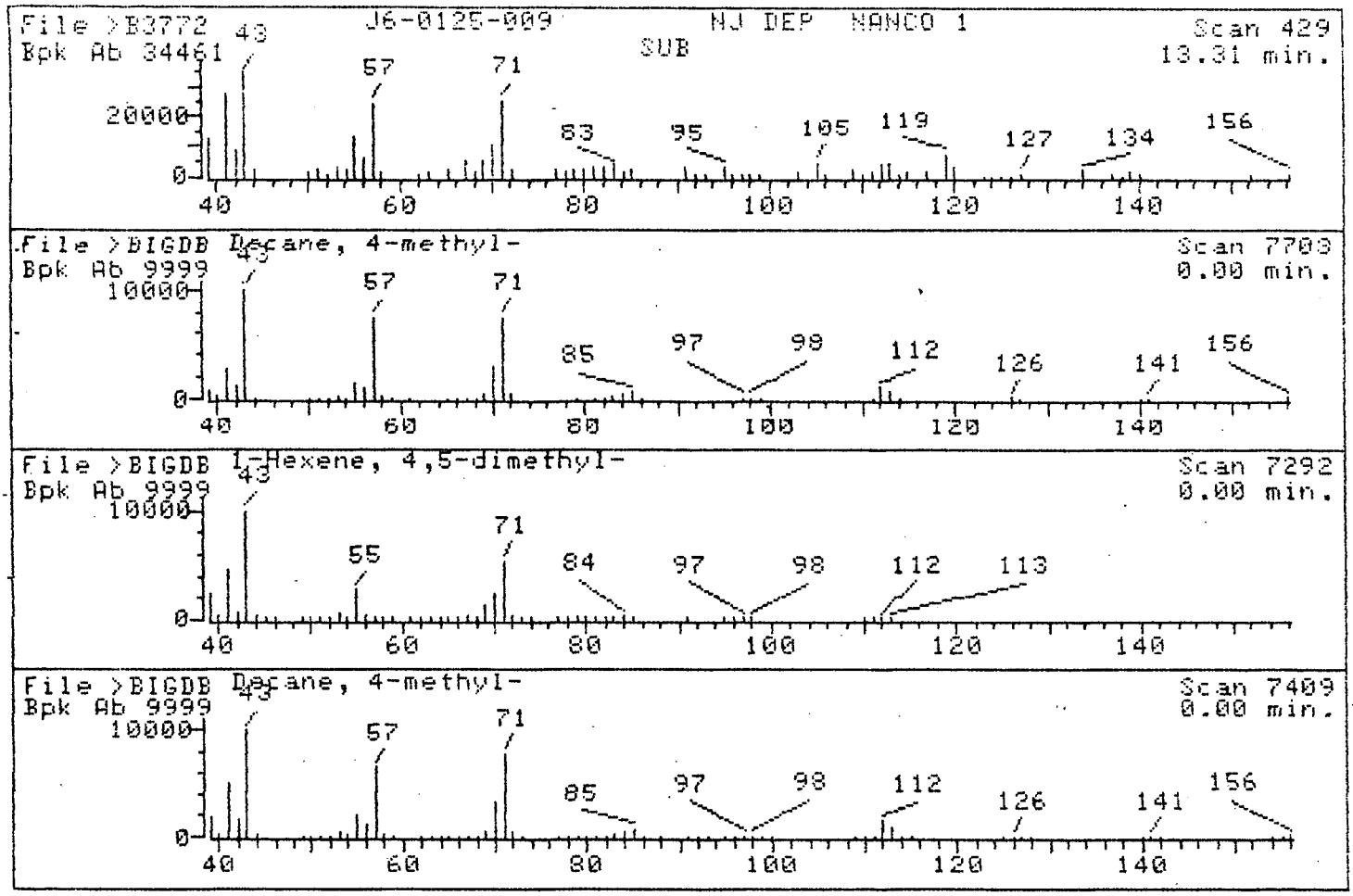
2. 1,4-Dichlorobenzene-d4 150 C6.D4.CL4

800

3. 2-CHLORO-4,6-DIFLUORO-PYRIMIDINE 150 C4HC1F2N2

Sample file: >B3772 Spectrum #: 411
Search speed: 1 Tilting option: N No. of ion ranges searched: 42

	Prob.	CAS #	CON #	ROOT.	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	83*	440	257	PRIPOL	77	33	2	0	95	10	54	59
2.	66*	434	256	PRIPOL	66	41	2	0	97	18	31	45
3.	25*	38953309	36514	"BIGDB	23	72	3	0	72	50	7	12

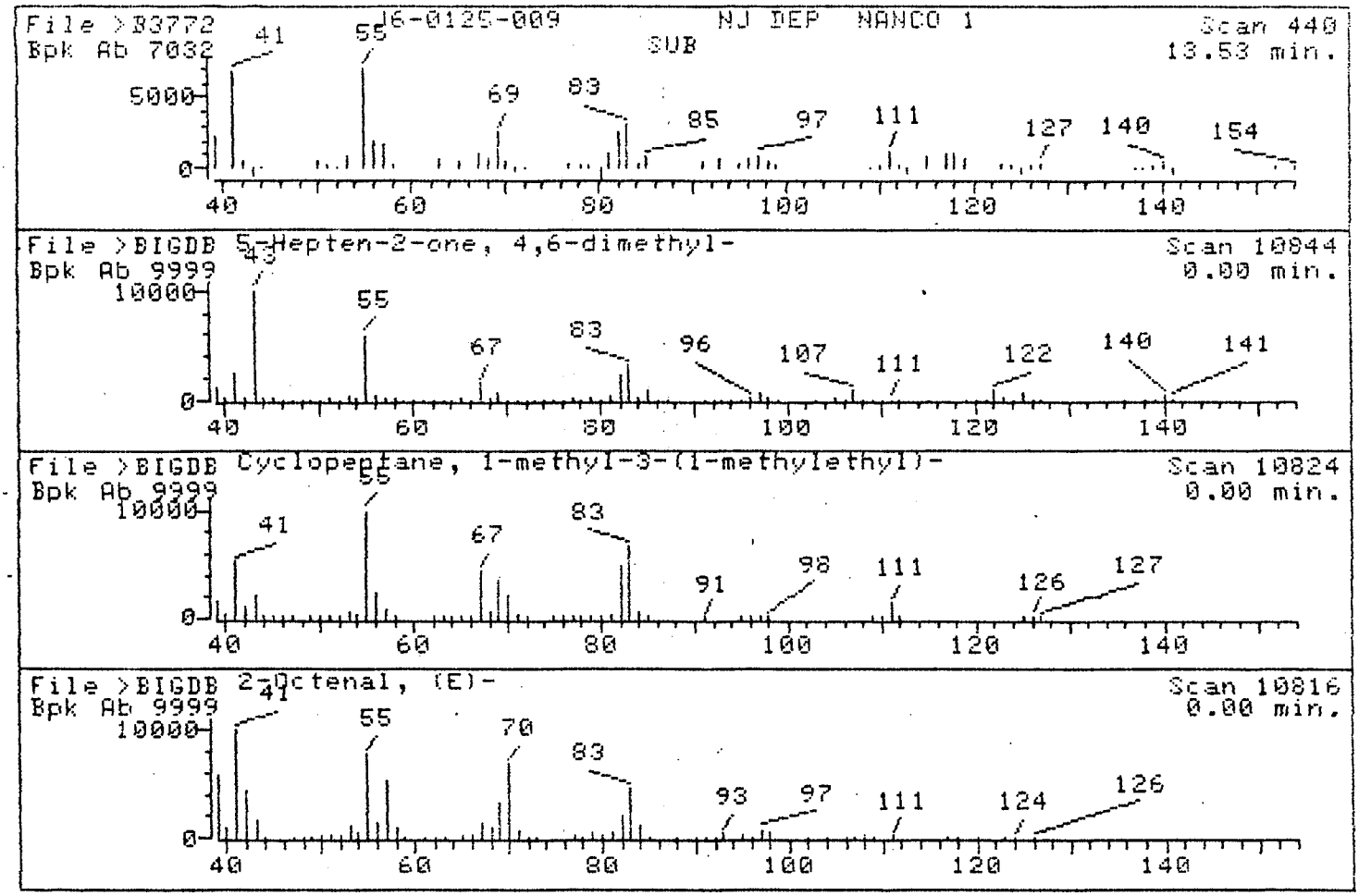


ALKANE 001248

1. Decane, 4-methyl-	156	C11H24
2. 1-Hexene, 4,5-dimethyl-	112	C8H16
3. Decane, 4-methyl-	156	C11H24
4. Nonane, 2,6-dimethyl-	156	C11H24
5. Octane, 2,3,6-trimethyl-	156	C11H24

Sample file: >B3772 Spectrum #: 429
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	72*	2847725	7703	"BIGDB	61	34	0	0	80	32	32	73
2.	56*	16106595	7292	"BIGDB	54	33	0	0	100	50	14	66
3.	54*	2847725	7409	"BIGDB	61	40	2	0	91	32	20	38
4.	49*	17302282	7414	"BIGDB	52	39	1	0	90	40	19	40
5.	41	62016335	7413	"BIGDB	56	36	0	0	71	45	14	34



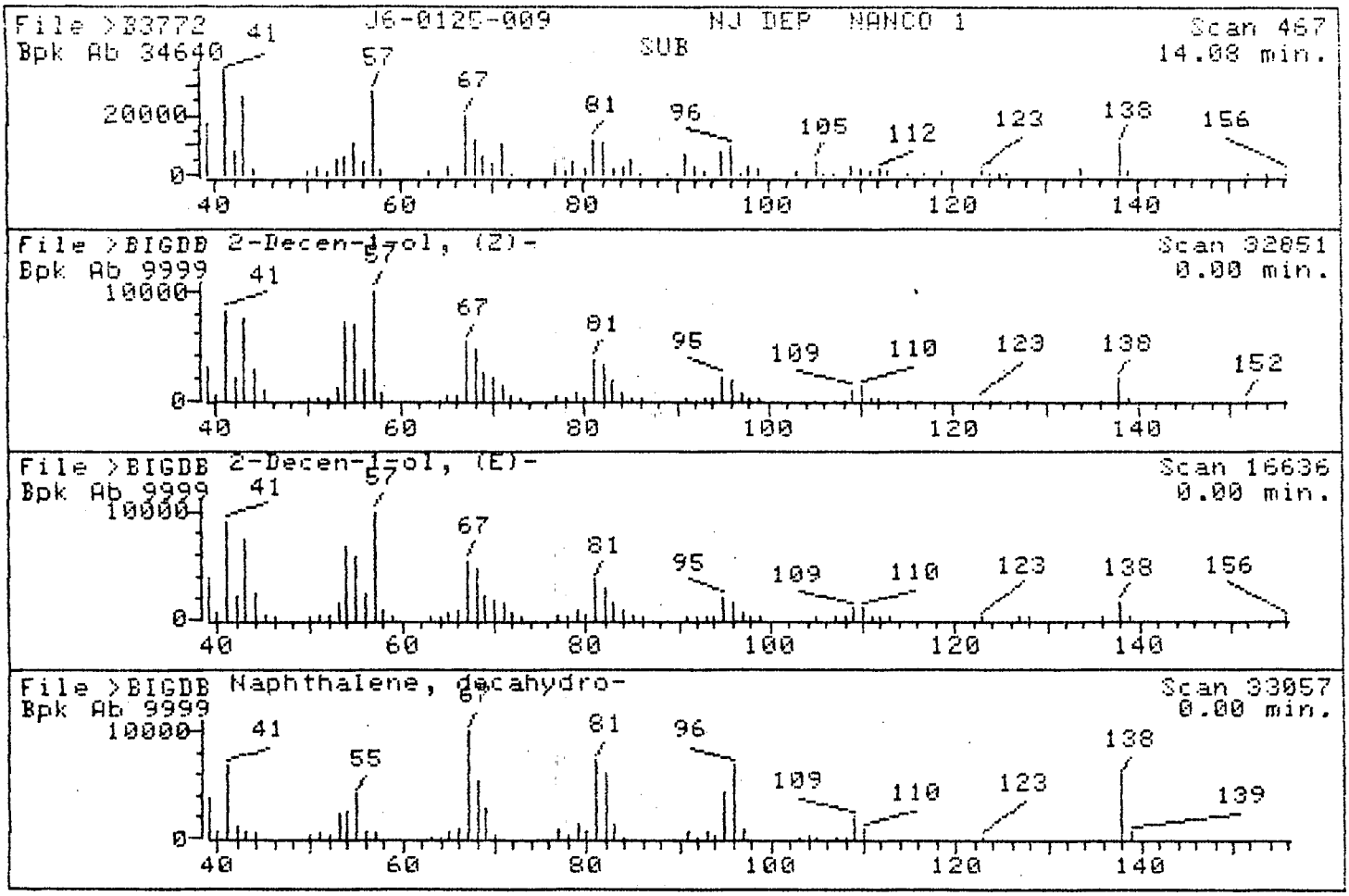
001249

V U.K

1.	5-Hepten-2-one, 4,6-dimethyl-	140	C9H16O
2.	Cyclopentane, 1-methyl-3-(1-methylethyl)-	126	C9H18
3.	2-Octenal, (E)-	126	C8H14O
4.	1-Decene	140	C10H20
5.	Cyclohexane, (1-methylpropyl)-	140	C10H20

Sample file: >B3772 Spectrum #: 440
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	48*	31162488	10844	"BIGDB	45	45	3	0	140	22	17	19
2.	37*	53771883	10824	"BIGDB	40	62	2	0	66	28	14	14
3.	36*	2548870	10816	"BIGDB	40	70	3	0	97	28	14	13
4.	36*	872059	1933	"BIGDB	25	87	3	0	109	30	14	13
5.	35*	7058017	10848	"BIGDB	36	49	0	0	46	47	11	39

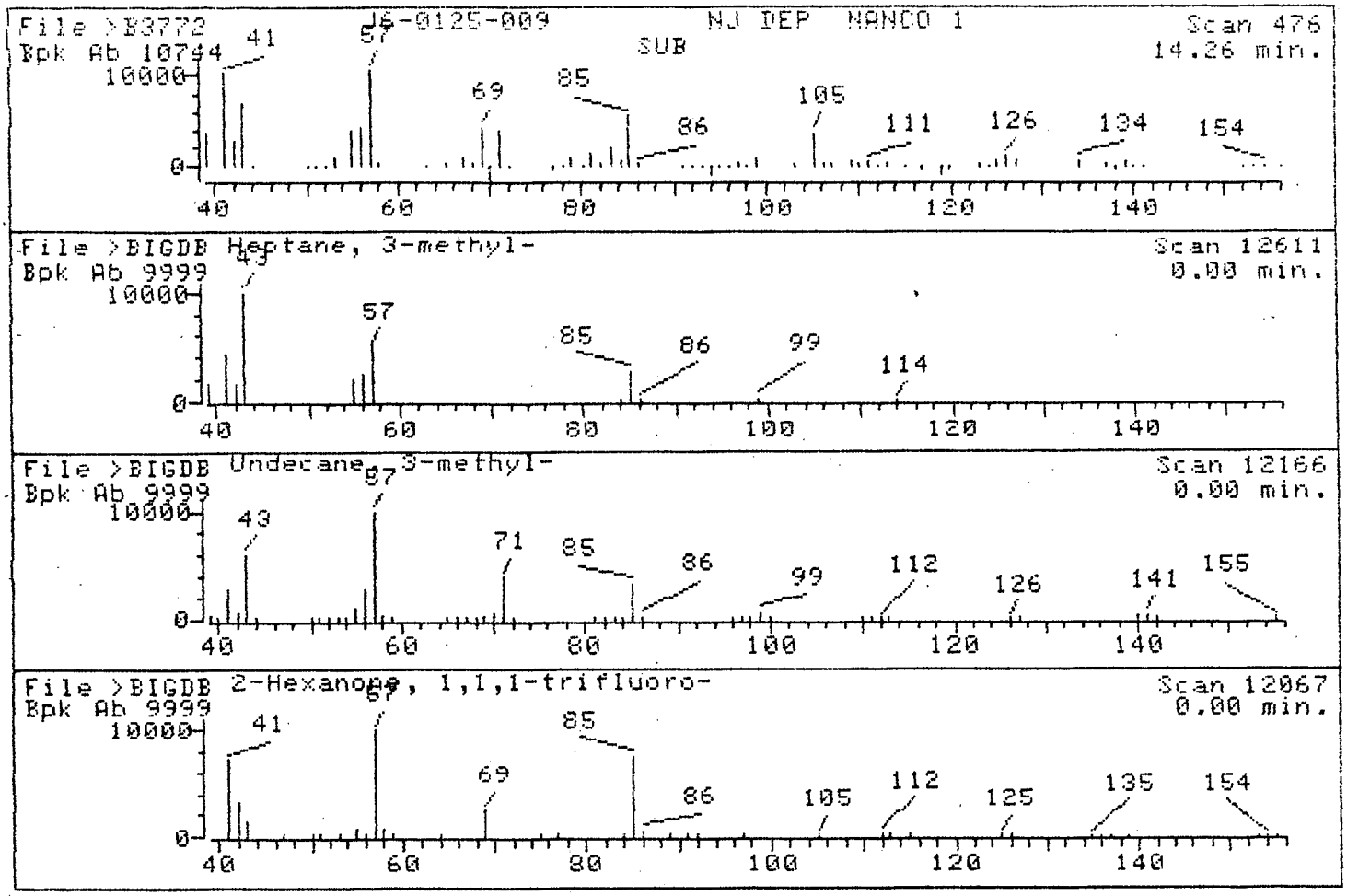


Alcohol 001250

1. 2-Decen-1-ol, (Z)-	156	C10H20O
2. 2-Decen-1-ol, (E)-	156	C10H20O
3. Naphthalene, decahydro-	138	C10H18
4. Decane, 2-methyl-	156	C11H24
5. Undecane	156	C11H24

Sample file: >B3772 Spectrum #: 467
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	52*	4194712	32851	"BIGDB	46	71	3	0	80	18	20	13
2.	52*	18409182	16636	"BIGDB	46	73	3	0	80	18	20	13
3.	35*	91178	33057	"BIGDB	58	51	2	0	39	48	11	35
4.	32*	6975980	7704	"BIGDB	61	33	2	0	67	51	9	44
5.	26*	1120214	7705	"BIGDB	60	36	1	0	66	57	7	56



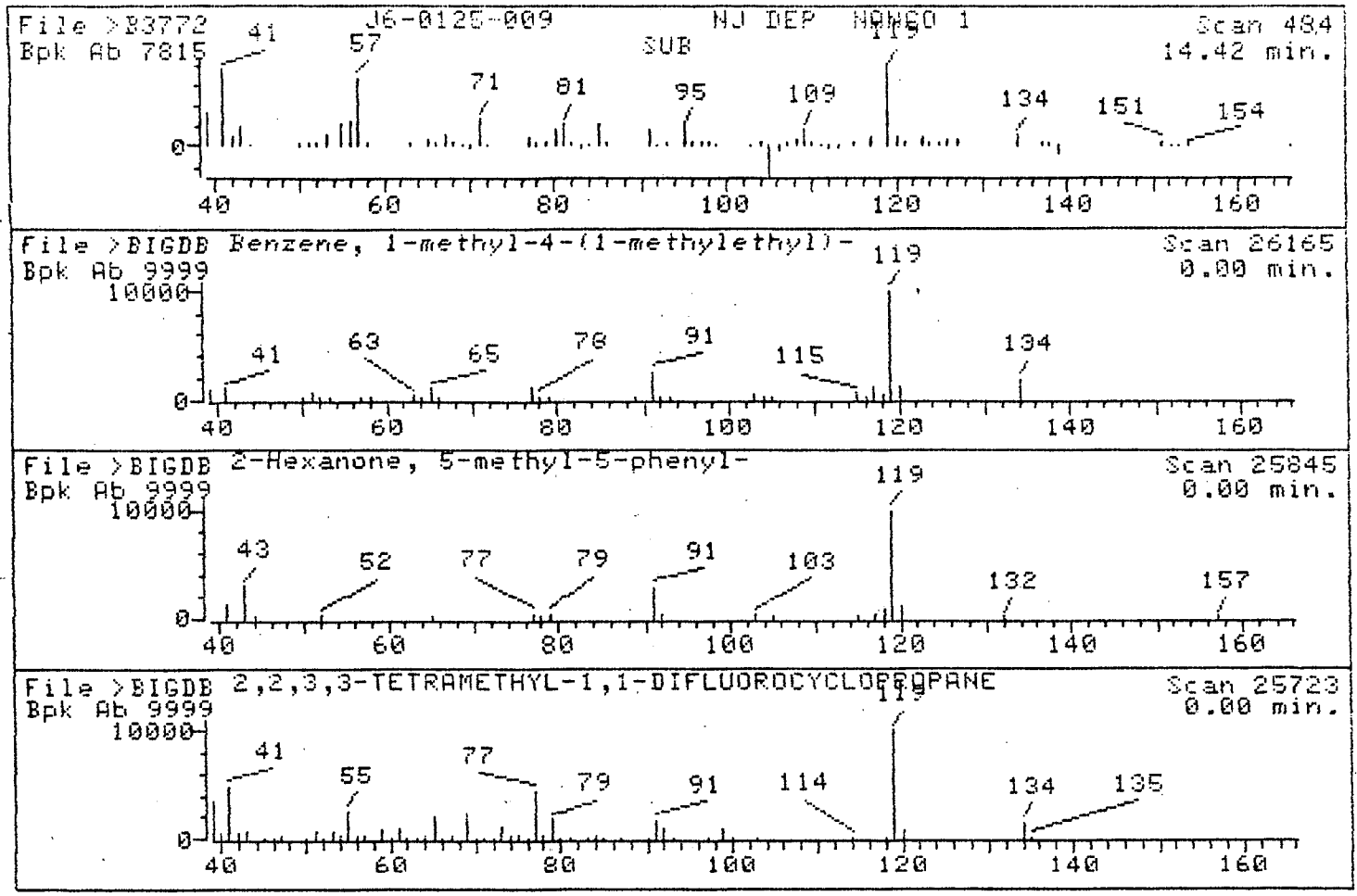
001251

ALKANE

1. Heptane, 3-methyl- 114 C8H18
2. Undecane, 3-methyl- 170 C12H26
3. 2-Hexanone, 1,1,1-trifluoro- 154 C6H9F3O
4. Pentane, 2,2-dimethyl- 100 C7H16
5. Hexane 86 C6H14

Sample file: >B3772 Spectrum #: 476
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	42	589811	12611	"BIGDB	59	26	2	0	155	26	14	19
2.	31	1002433	12166	"BIGDB	43	45	2	0	95	34	12	14
3.	31*	360349	12067	"BIGDB	40	46	2	0	68	41	8	19
4.	30	590352	11878	"BIGDB	34	50	0	0	76	41	8	18
5.	28	110543	2158	"BIGDB	37	49	1	0	77	40	10	14

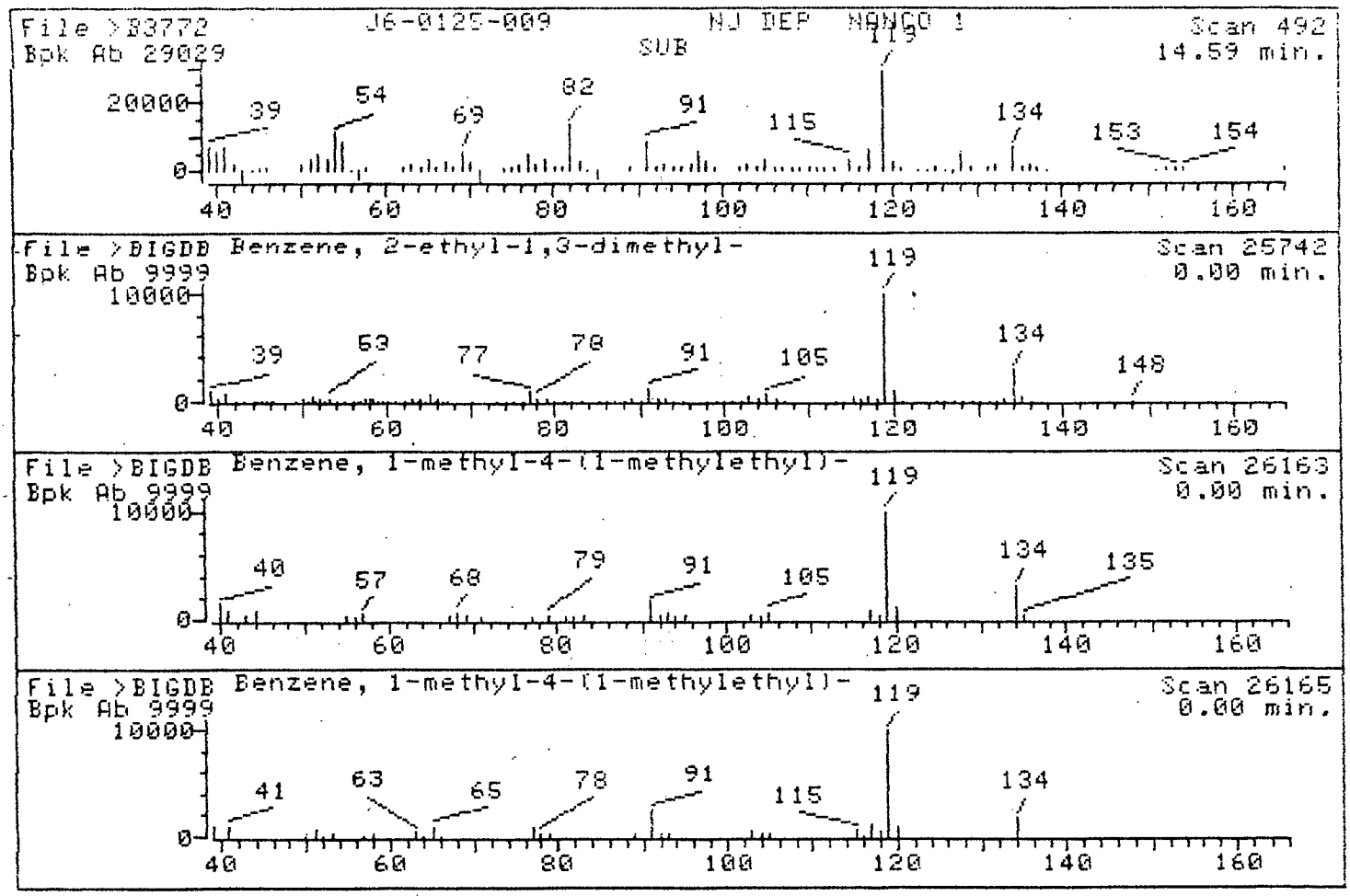


001252

1. Benzene, 1-methyl-4-(1-methylethyl)- 134 C10H14
2. 2-Hexanone, 5-methyl-5-phenyl- 190 C13H18O
3. 2,2,3,3-TETRAMETHYL-1,1-DIFLUOROCYCLOPROPANE 134 C7H12F2
4. Pyridine, 5-ethenyl-2-methyl- 119 C8H9N
5. Benzene, isocyanato- 119 C7H5NO

Sample file: >B3772 Spectrum #: 484
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	40*	99876	26165	"BIGDB	59	35	2	0	82	47	12	43
2.	20	14128611	25845	"BIGDB	39	49	2	0	76	55	5	12
3.	20*	823256	25723	"BIGDB	29	77	3	0	100	52	5	13
4.	20*	140761	25715	"BIGDB	22	83	3	0	100	52	5	12
5.	15*	103719	26140	"BIGDB	23	60	3	0	100	57	3	12



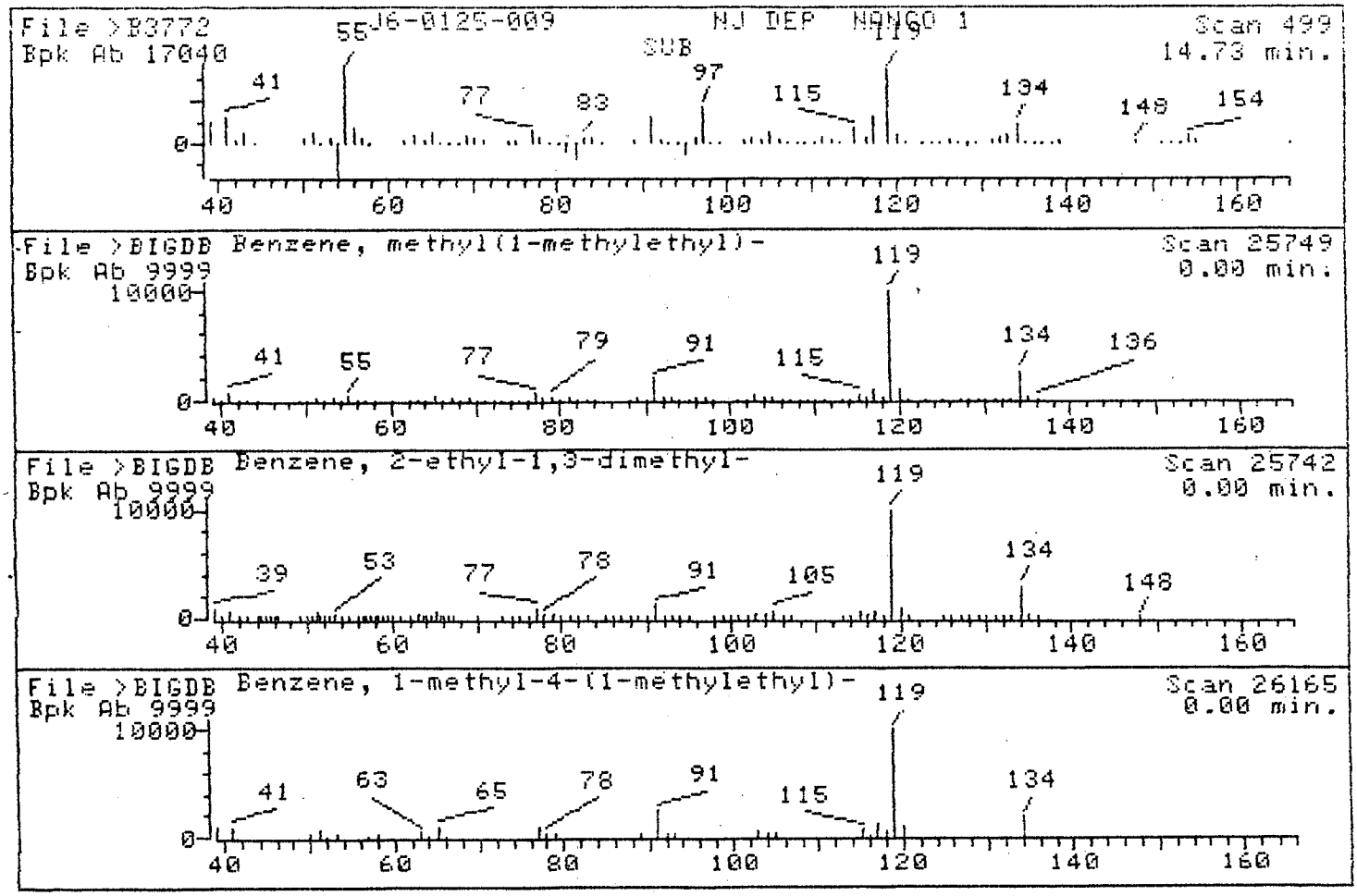
U.K.
AROMATIC RING

001253

1.	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14
2.	Benzene, 1-methyl-4-(1-methylethyl)-	134	C10H14
3.	Benzene, 1-methyl-4-(1-methylethyl)-	134	C10H14
4.	Benzene, 1-methyl-4-(1-methylethyl)-	134	C10H14
5.	Benzene, (1,1-dimethylethyl)-	134	C10H14

Sample file: >B3772 Spectrum #: 492
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	23*	2870044	25742	"BIGDB	55	33	2	0	78	58	6	41
2.	23*	99876	26163	"BIGDB	55	35	1	0	76	58	6	44
3.	23*	99876	26165	"BIGDB	56	38	1	0	90	56	6	44
4.	23*	99876	25736	"BIGDB	50	39	1	0	92	58	6	40
5.	21*	98066	26155	"BIGDB	52	40	2	0	86	59	5	35

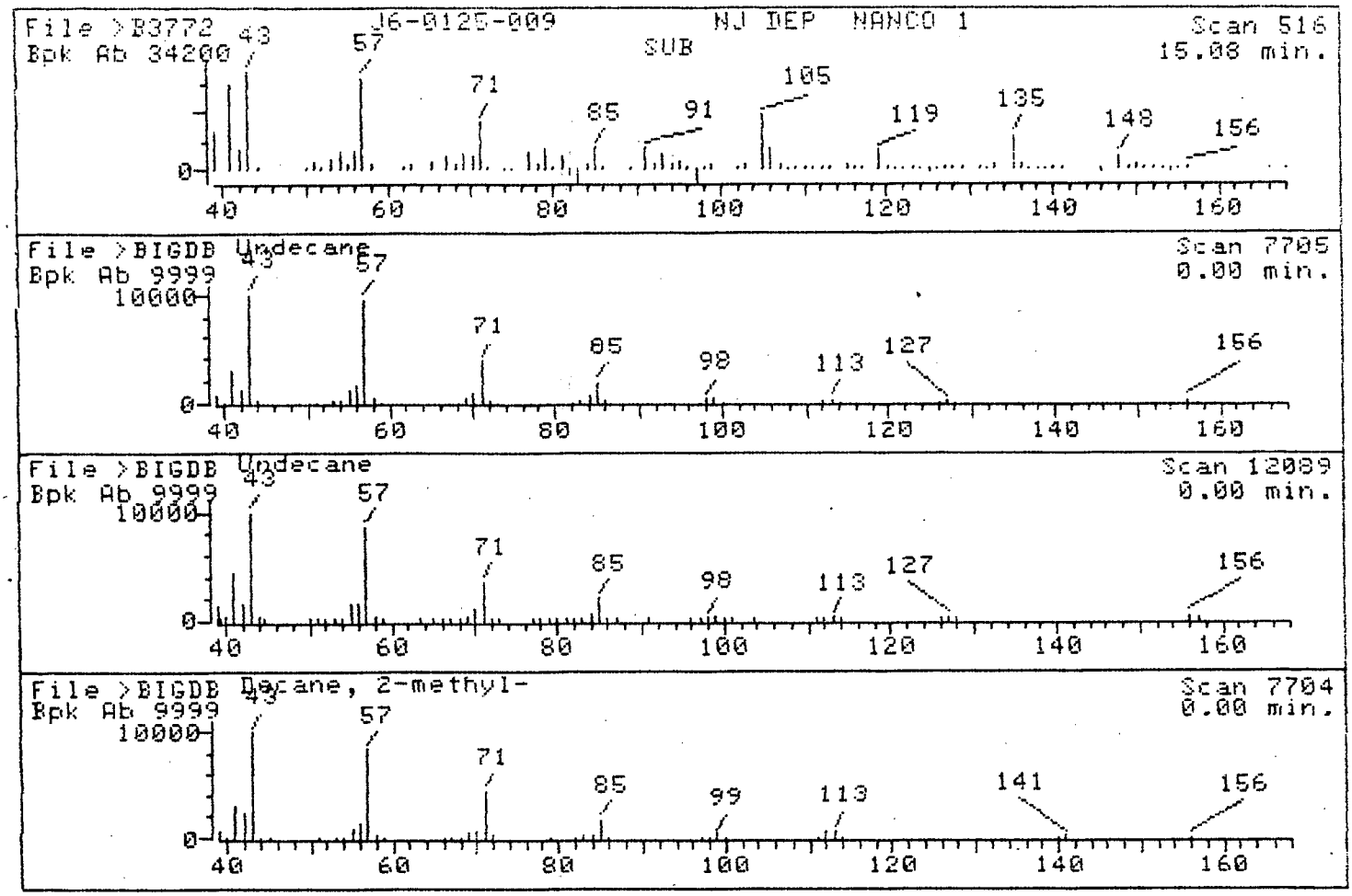


J.K. AROMATIC 001254

1. Benzene, methyl(1-methylethyl)- 134 C10H14
2. Benzene, 2-ethyl-1,3-dimethyl- 134 C10H14
3. Benzene, 1-methyl-4-(1-methylethyl)- 134 C10H14
4. Benzene, 1,3-diethyl- 134 C10H14
5. Benzene, 4-ethyl-1,2-dimethyl- 134 C10H14

Sample file: >B3772 Spectrum #: 499
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	24*	25155151	25749	"BIGDB	41	49	1	0	94	55	7	23
2.	21*	2870044	25742	"BIGDB	49	39	1	0	88	57	5	37
3.	21*	99876	26165	"BIGDB	50	44	1	0	92	59	5	35
4.	21*	141935	26177	"BIGDB	57	53	2	0	67	57	5	34
5.	18*	934805	25744	"BIGDB	46	47	1	0	89	57	4	29



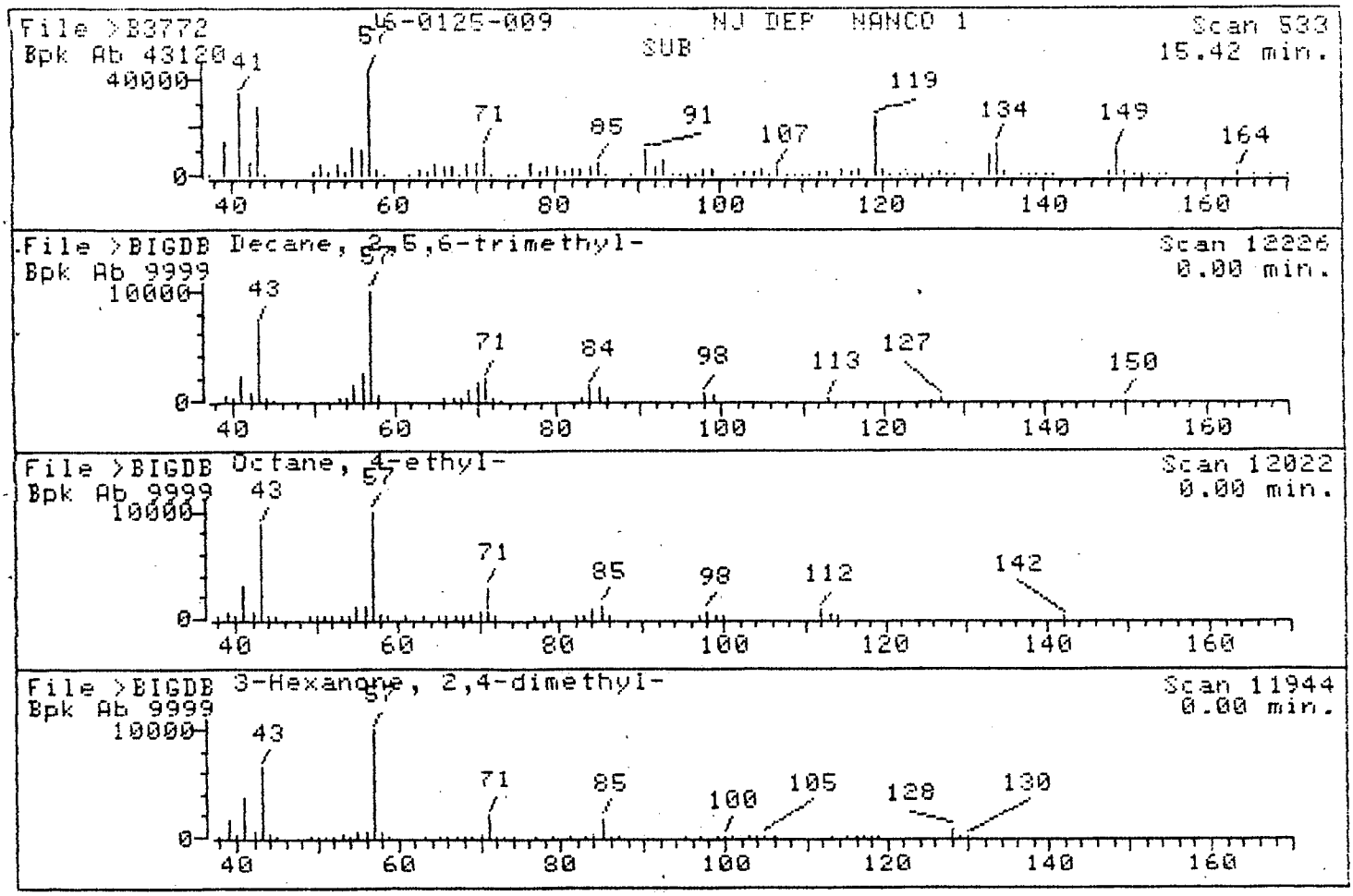
001255

1. Undecane — 156 C11H24
2. Undecane — 156 C11H24
3. Decane, 2-methyl- — 156 C11H24
4. Decane, 2-methyl- — 156 C11H24
5. Dodecane — 170 C12H26

MN ALKANE

Sample file: >B3772 Spectrum #: 516
Search speed: 1 Tilting option: N No. of ion ranges searched: 48

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	1120214	7705	"BIGDB	71	25	0	0	87	48	30	89
2.	51*	1120214	12089	"BIGDB	63	34	0	0	80	55	16	76
3.	47*	6975980	7704	"BIGDB	60	34	2	0	86	44	16	44
4.	41*	6975980	12689	"BIGDB	56	47	2	0	91	44	14	33
5.	40	112403	12729	"BIGDB	82	15	1	0	68	48	12	44



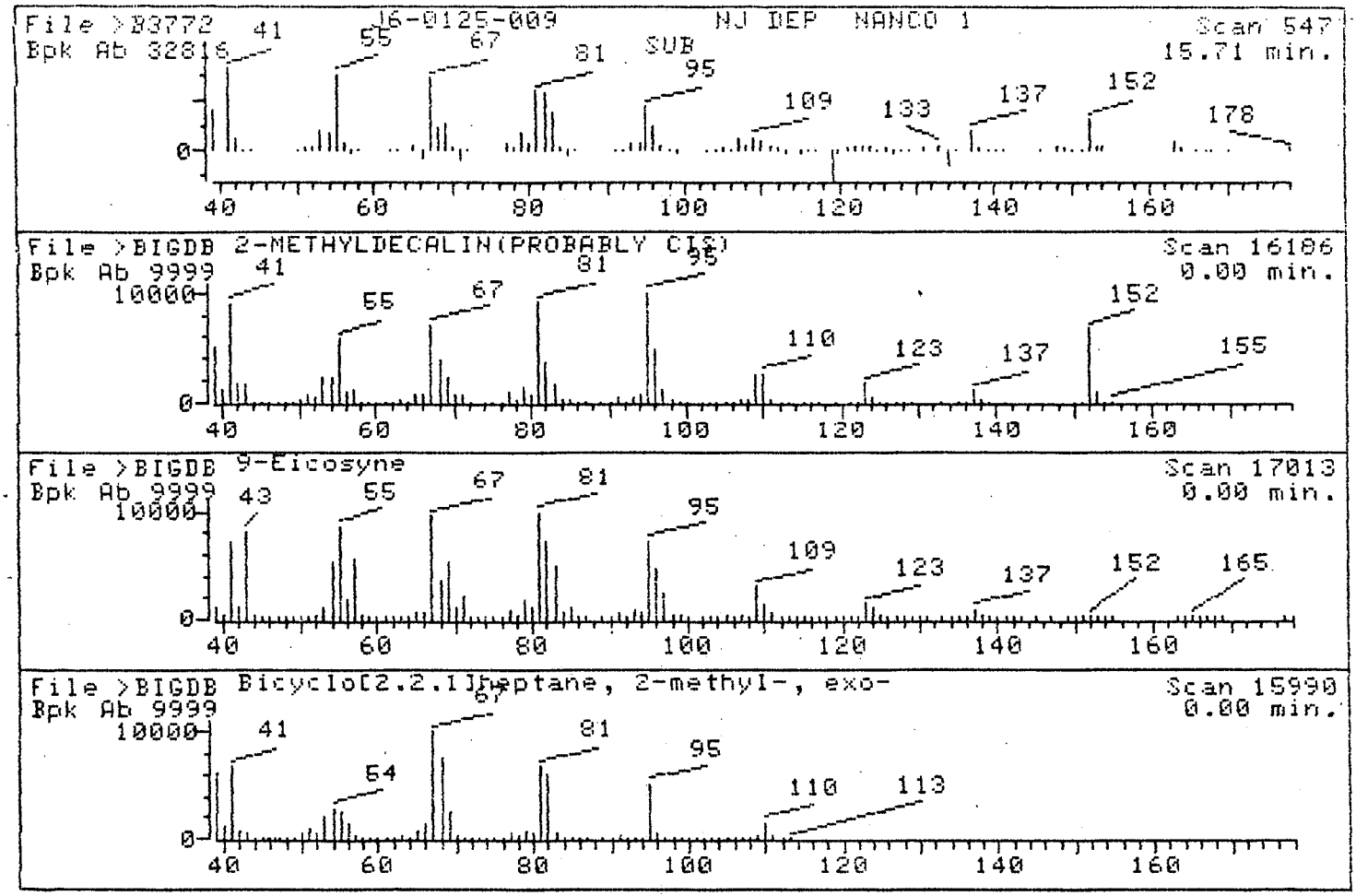
ALKANE

001256

1. Decane, 2,5,6-trimethyl- 184 C13H28
2. Octane, 4-ethyl- 142 C10H22
3. 3-Hexanone, 2,4-dimethyl- 128 C8H16O
4. Octane, 2,4,6-trimethyl- 156 C11H24
5. Dodecane 170 C12H26

Sample file: >B3772 Spectrum #: 533
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	35	62108230	12226	"BIGDB	71	30	1	0	82	47	11	33
2.	25	15869860	12022	"BIGDB	50	40	2	0	76	49	7	17
3.	20	18641708	11944	"BIGDB	34	51	1	0	74	53	5	12
4.	20	62016379	12092	"BIGDB	44	41	2	0	100	51	5	14
5.	18*	112403	12727	"BIGDB	62	35	1	0	54	63	5	60



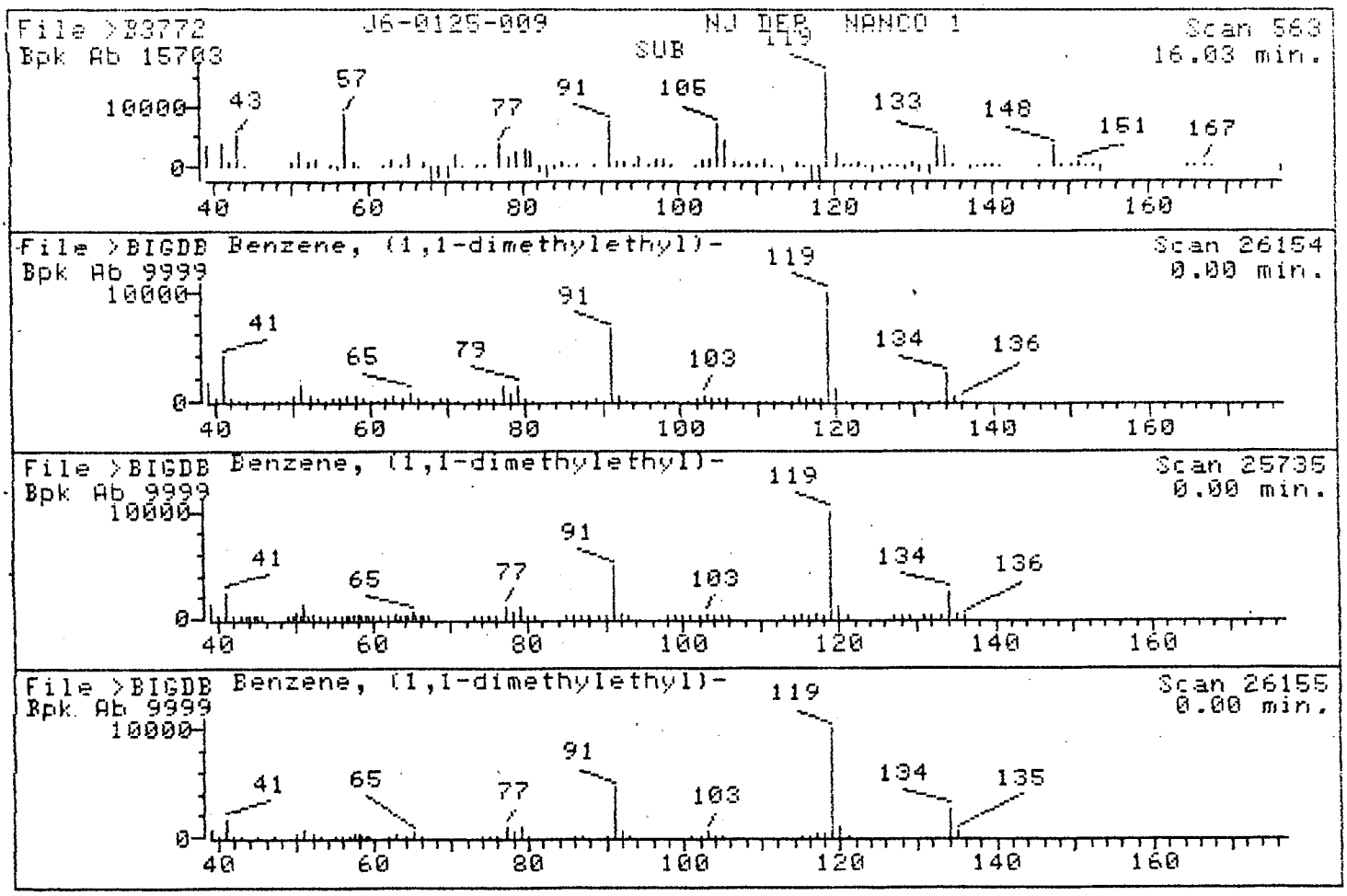
001257

✓ U.K.

1.	2-METHYLDECALIN(PROBABLY CIS)	152	C11H20
2.	9-Eicosyne	278	C20H38
3.	Bicyclo[2.2.1]heptane, 2-methyl-, exo-	110	C8H14
4.	TRANS-ANTI-1-METHYL-DECAHYDRONAPHTHALENE	152	C11H20
5.	9-Octadecyne	250	C18H34

Sample file: >B3772 Spectrum #: 547
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	55*	0	16186	"BIGDB	62	68	2	0	54	35	22	40
2.	52	71899382	17013	"BIGDB	75	93	3	0	73	17	20	13
3.	48*	872786	15990	"BIGDB	55	58	2	0	76	33	20	32
4.	46*	0	16187	"BIGDB	60	67	1	0	55	47	13	56
5.	43	35365594	16443	"BIGDB	80	76	3	0	73	22	17	14



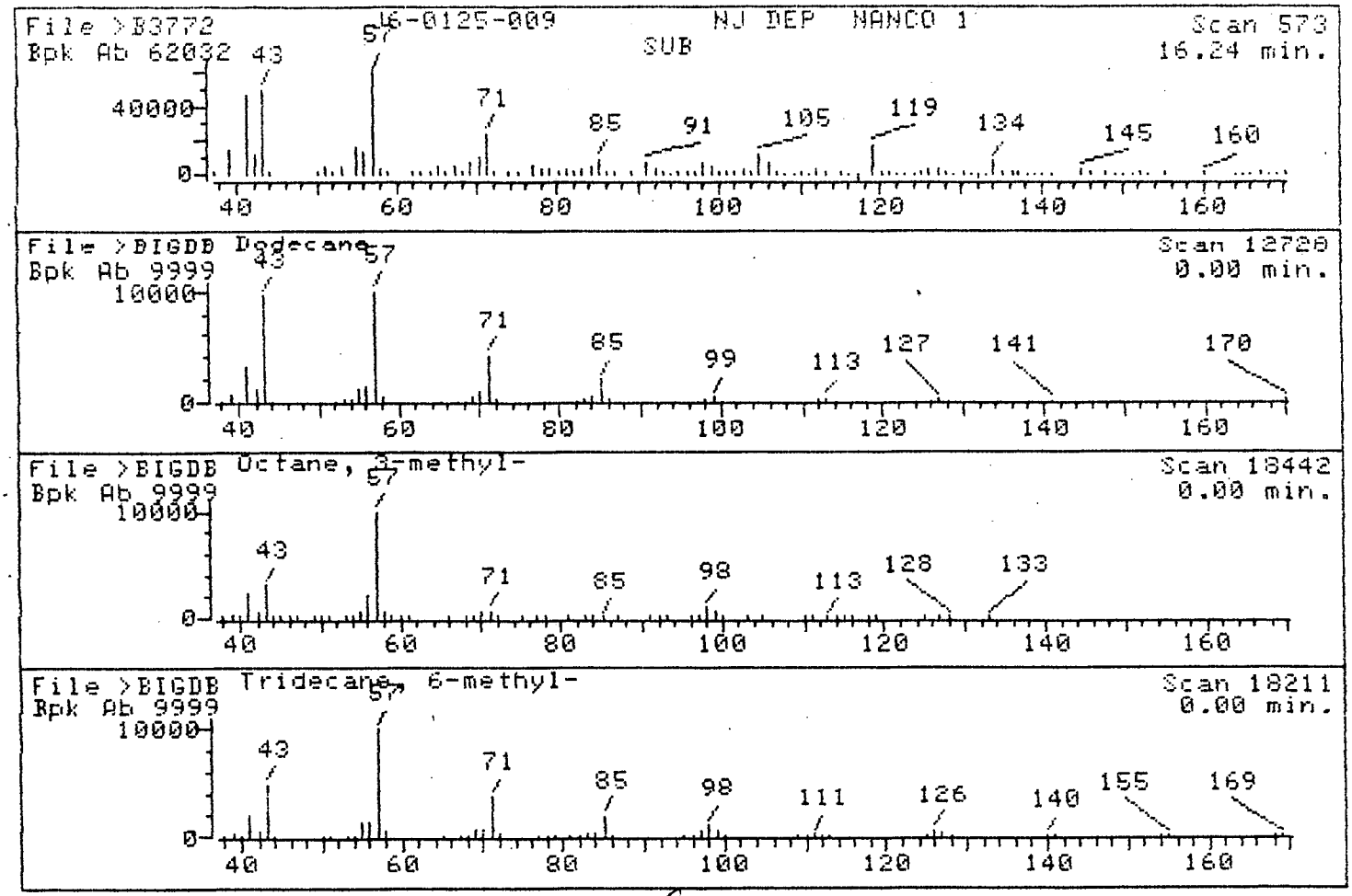
001358

V (MN) V.K. AROMATIC

1.	Benzene, (1,1-dimethylethyl)-	134	C10H14
2.	Benzene, (1,1-dimethylethyl)-	134	C10H14
3.	Benzene, (1,1-dimethylethyl)-	134	C10H14
4.	Benzene, 1-methyl-2-(1-methylethyl)-	134	C10H14
5.	Benzene, 1-methyl-4-(1-methylethyl)-	134	C10H14

Sample file: >B3772 Spectrum #: 563
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	47*	98066	26154	"BIGDB	67	28	2	0	72	43	17	50
2.	40*	98066	25735	"BIGDB	60	35	2	0	80	46	12	43
3.	30*	98066	26155	"BIGDB	48	44	2	0	74	46	10	28
4.	30*	527844	25748	"BIGDB	47	45	2	0	74	48	10	27
5.	26*	99876	26165	"BIGDB	42	52	3	0	100	44	8	14



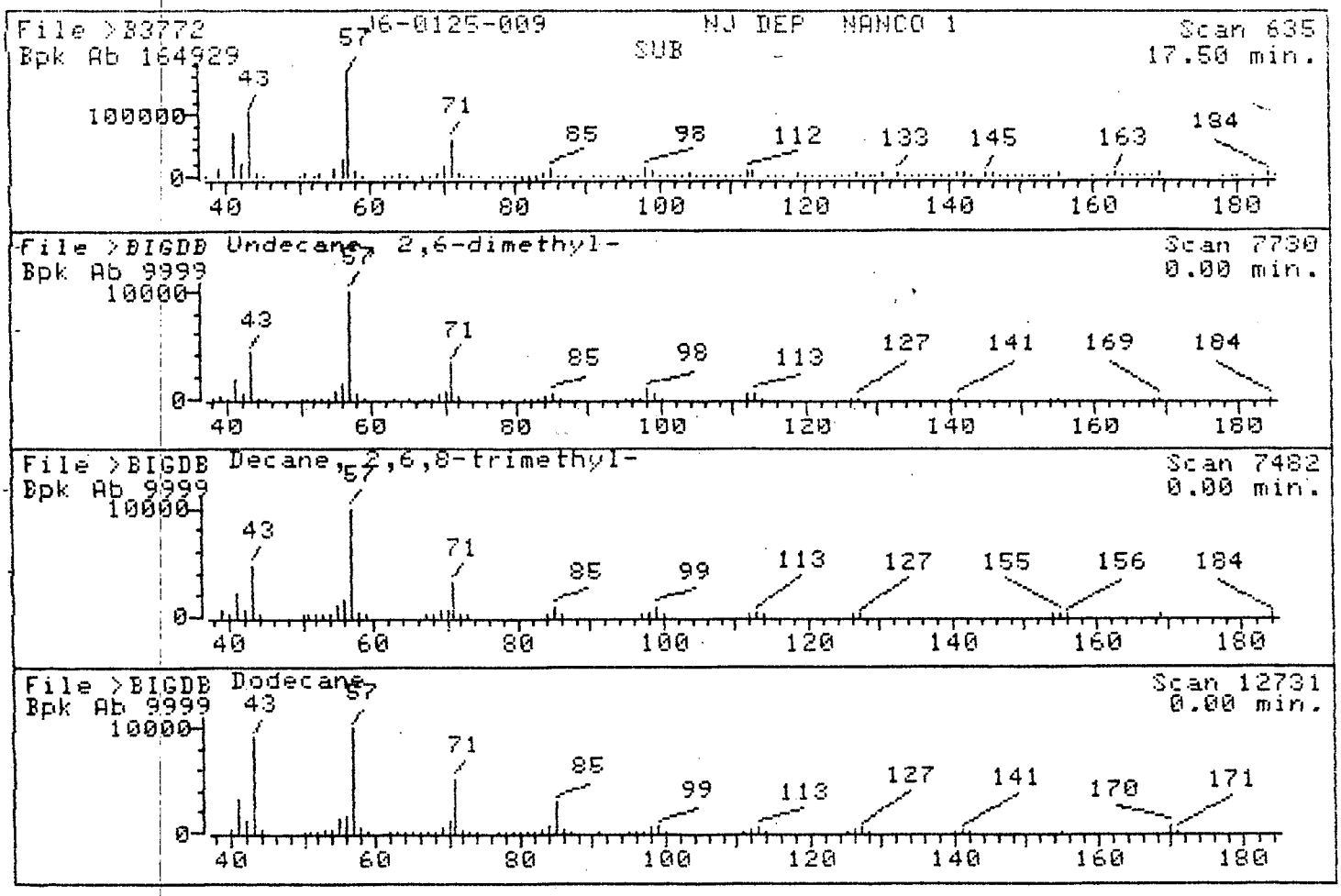
001259

ALKANE

1. Dodecane	170	C12H26
2. Octane, 3-methyl-	128	C9H20
3. Tridecane, 6-methyl-	198	C14H30
4. Decane	142	C10H22
5. Decane, 2,5,6-trimethyl-	184	C13H28

Sample file: >B3772 Spectrum #: 573
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	68*	112403	12728	"BIGDB	59	34	0	0	71	38	28	72
2.	47*	2216333	18442	"BIGDB	39	41	0	0	74	41	16	48
3.	44	13287213	18211	"BIGDB	71	34	1	0	74	35	16	27
4.	39	124185	12669	"BIGDB	59	34	1	0	81	39	14	26
5.	37	62108230	12226	"BIGDB	65	36	1	0	80	38	14	24



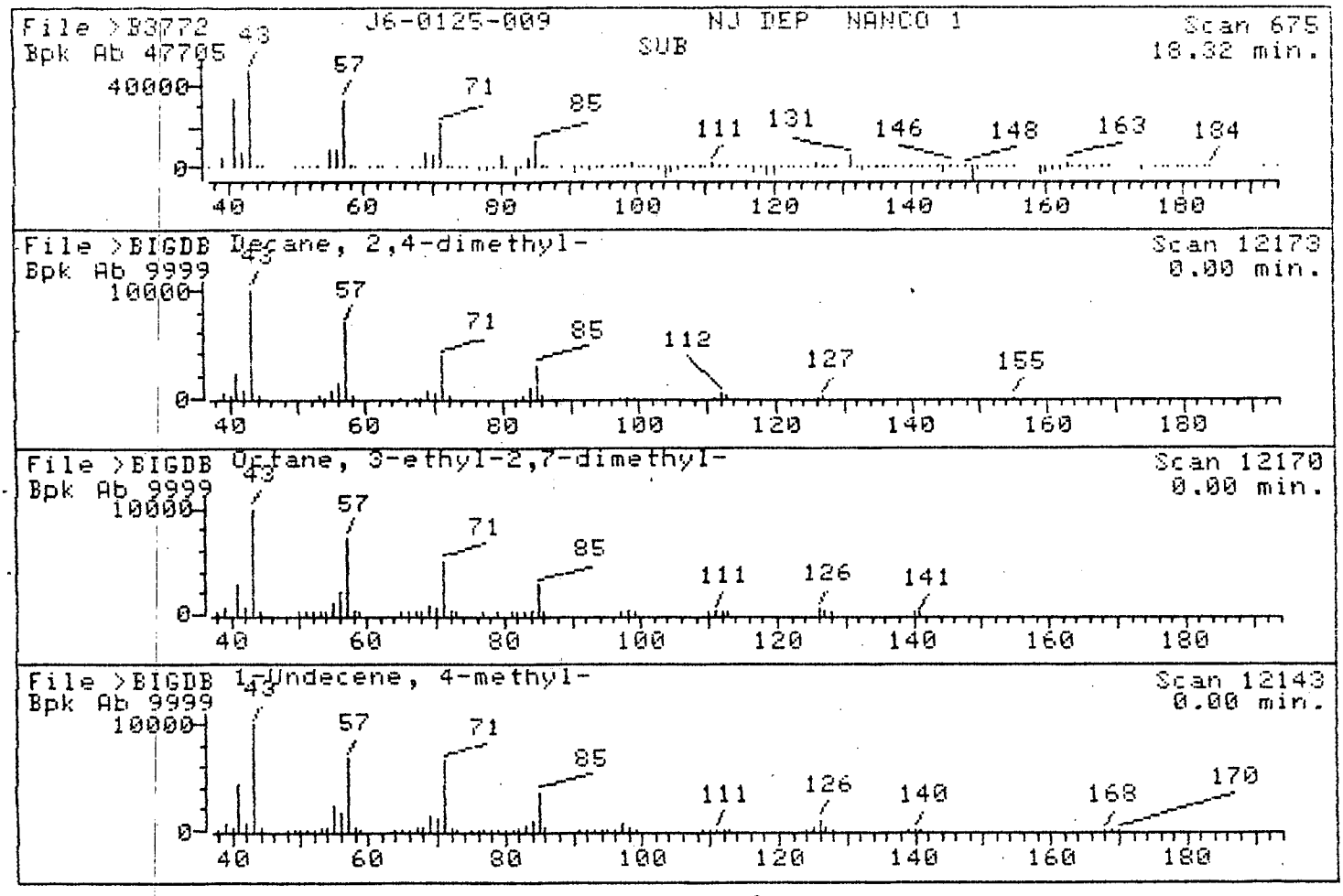
ALKANE

001260

1. Undecane, 2,6-dimethyl- 184 C13H28
2. Decane, 2,6,8-trimethyl- 184 C13H28
3. Dodecane 170 C12H26
4. Dodecane, 6-methyl- 184 C13H28
5. Undecane, 3,5-dimethyl- 184 C13H28

Sample file: >B3772 Spectrum #: 635
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	86*	17301234	7730	"BIGDB	74	21	1	0	78	9	59	72
2.	79*	62108263	7482	"BIGDB	51	41	2	0	100	8	48	33
3.	78	112403	12731	"BIGDB	58	41	2	0	69	3	55	17
4.	76*	6044719	18184	"BIGDB	59	38	1	0	66	11	40	53
5.	76*	17312811	18705	"BIGDB	51	47	2	0	95	9	45	26



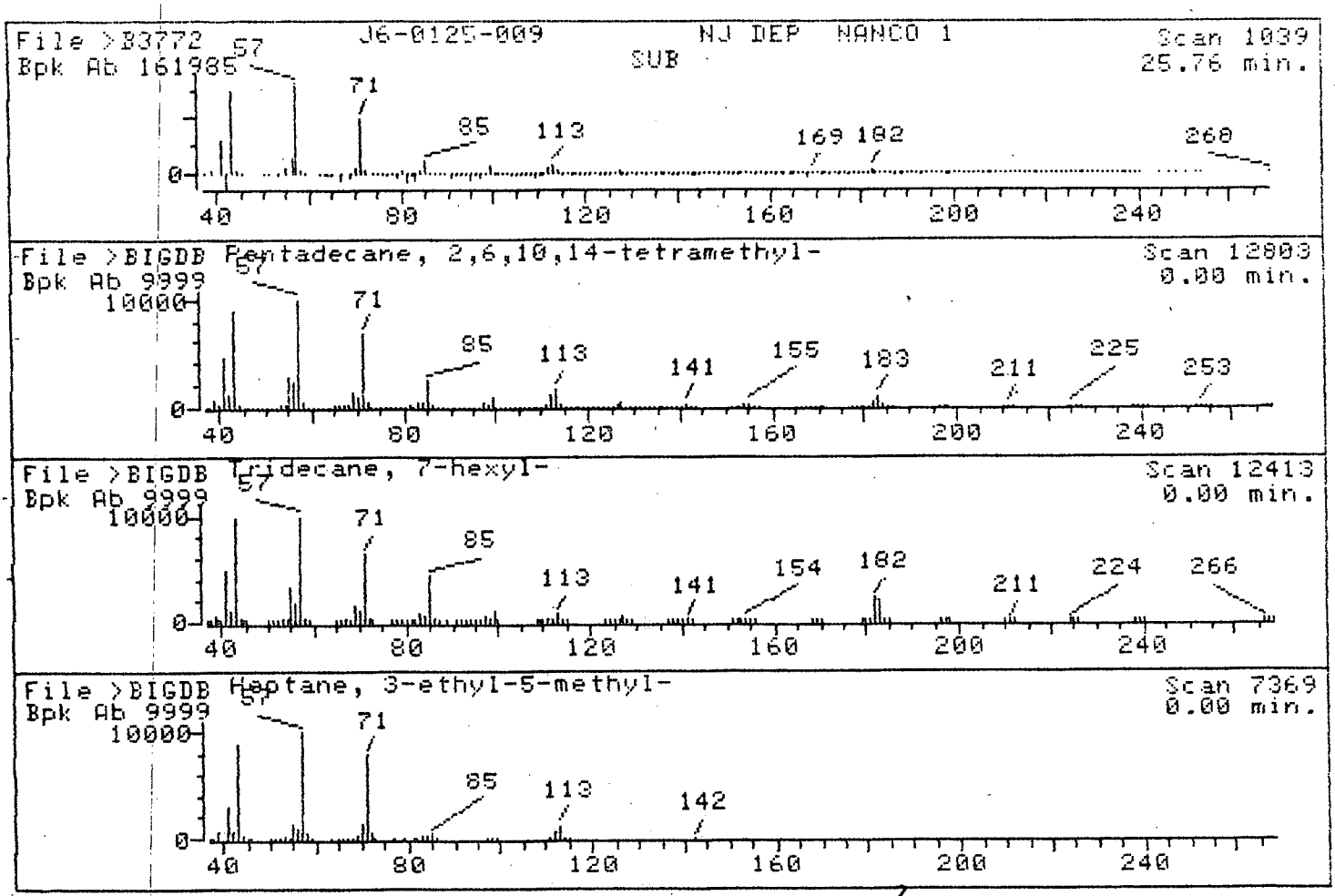
001261

ALKANE

1.	Decane, 2,4-dimethyl-	170	C12H26
2.	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26
3.	1-Undecene, 4-methyl-	168	C12H24
4.	Hexadecane	226	C16H34
5.	Dodecane	170	C12H26

Sample file: >B3772 Spectrum #: 675
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	49	2801845	12173	"BIGDB	63	24	0	0	90	36	19	40
2.	45	62183555	12170	"BIGDB	69	22	1	0	84	39	17	34
3.	43*	74630390	12143	"BIGDB	55	44	2	0	70	39	17	32
4.	42	544763	12782	"BIGDB	89	27	2	0	77	39	17	31
5.	41	112403	12729	"BIGDB	78	19	2	0	74	36	14	28



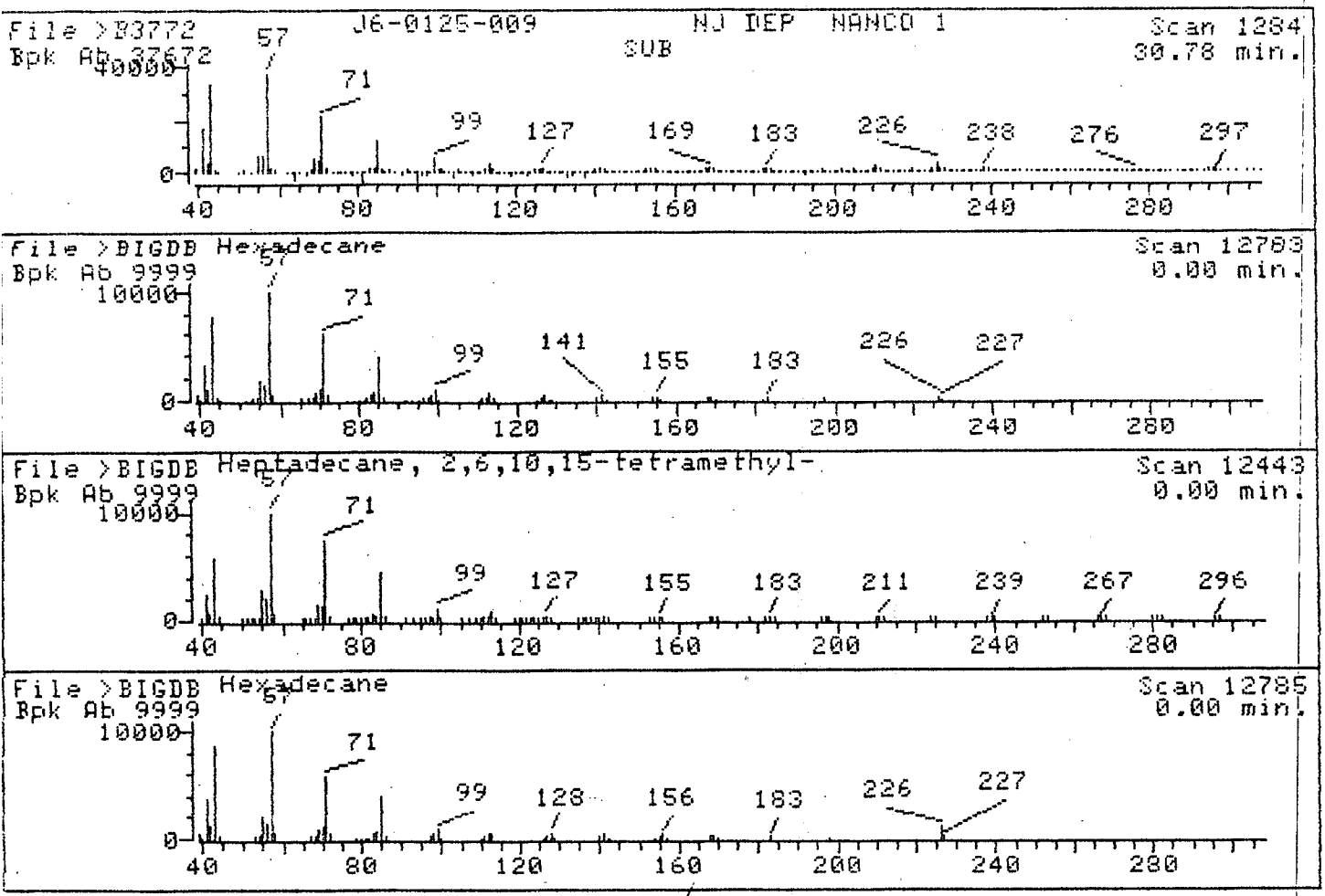
001262

ALKANE

1. Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40
2. Tridecane, 7-hexyl-	268	C19H40
3. Heptane, 3-ethyl-5-methyl-	142	C10H22
4. Nonane, 2,6-dimethyl-	156	C11H24
5. Heptane, 3-methyl-	114	C8H18

Sample file: >B3772 Spectrum #: 1039
Search speed: 1 Tilting option: N No. of ion ranges searched: 41

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	78*	1921706	12803	"BIGDB	42	88	3	0	89	0	55	13
2.	78*	7225663	12413	"BIGDB	34	96	3	0	91	3	55	13
3.	70	52896909	7369	"BIGDB	46	47	2	0	75	7	42	13
4.	41	17302282	7414	"BIGDB	42	49	2	0	83	21	17	12
5.	35*	589811	12609	"BIGDB	22	66	3	0	90	29	14	12



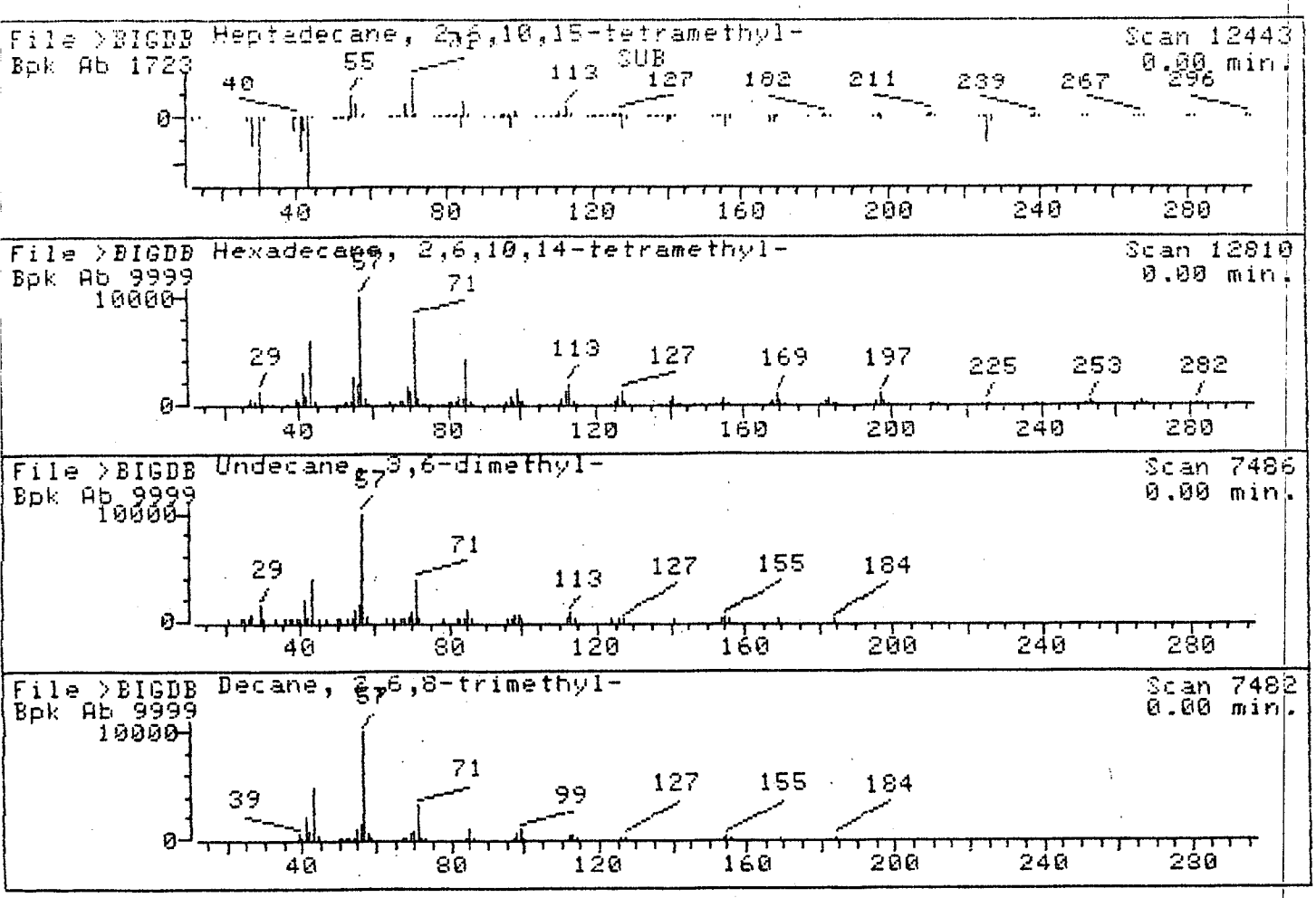
001263

ALKANE

1.	Hexadecane	226	C16H34
2.	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44
3.	Hexadecane	226	C16H34
4.	Dodecane, 5,8-diethyl-	226	C16H34
5.	Tridecane, 5-propyl-	226	C16H34

Sample file: >B3772 Spectrum #: 1284
Search speed: 1 Tilting option: N No. of ion ranges searched: 45

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	84*	544763	12783	"BIGDB	79	41	2	0	83	9	55	60
2.	83*	54833486	12443	"BIGDB	99	34	2	0	74	12	51	76
3.	83*	544763	12785	"BIGDB	77	54	2	0	86	6	54	59
4.	79*	24251863	12342	"BIGDB	70	49	3	0	100	10	48	36
5.	79*	55045119	12353	"BIGDB	57	56	2	0	87	10	48	34

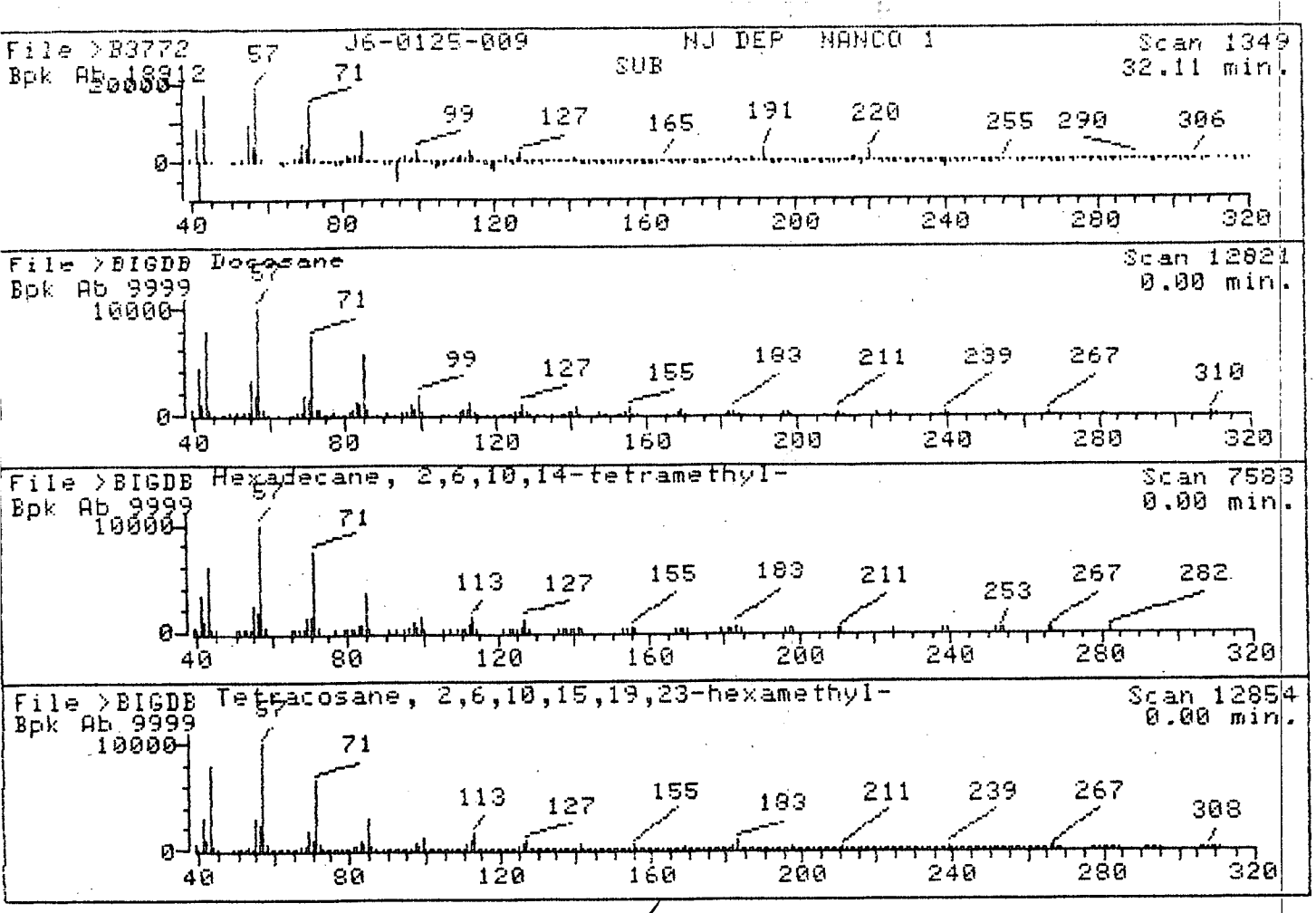


001364

1. Hexadecane, 2,6,10,14-tetramethyl- 282 C20H42
2. Undecane, 3,6-dimethyl- 184 C13H28
3. Decane, 2,6,8-trimethyl- 184 C13H28
4. 2-Hexadecen-1-ol, 3,7,11,15-tetramethyl-, [R-[R*,R*-(E)]]- 296 C20H40O

Sample file: >BIGDB Spectrum #: 12443
Search speed: 1 Tilting option: N No. of ion ranges searched: 16

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	70*	638368	12810	"BIGDB	25	117	3	0	125	10	42	13
2.	60*	17301289	7486	"BIGDB	31	67	3	0	258	14	30	13
3.	52*	62108263	7482	"BIGDB	22	70	3	0	315	20	20	12
4.	27*	150867	7745	"BIGDB	31	110	3	0	100	38	10	13



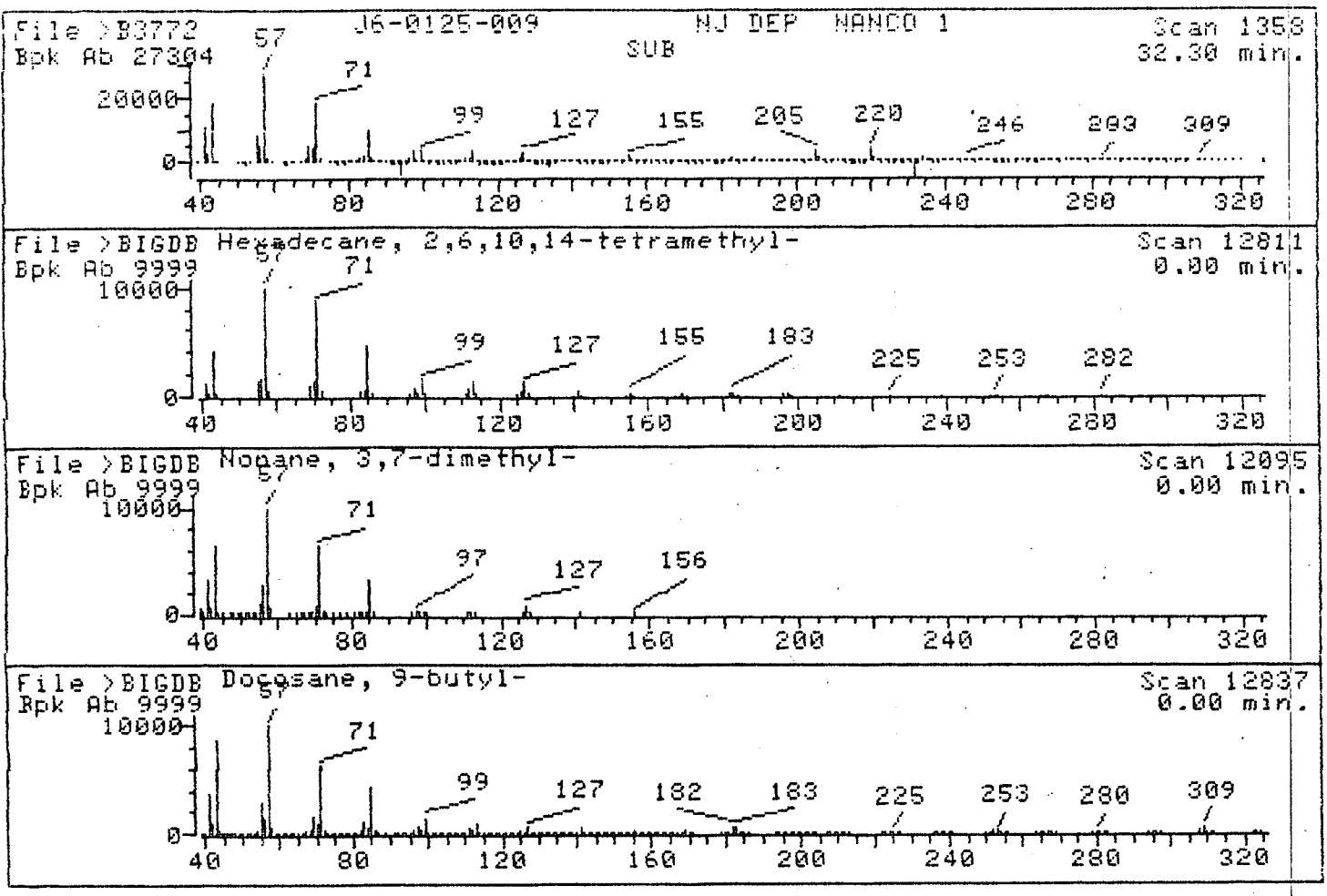
ALKANE

001265

1. Docosane	310	C22H46
2. Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42
3. Tetracosane, 2,6,10,15,19,23-hexamethyl-	422	C30H62
4. Undecane, 3,8-dimethyl-	184	C13H28
5. Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene)benzenamine-N,N']-	398	C21H14FeN2O3

Sample file: >B3772 Spectrum #: 1349
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	58	629970	12821	"BIGDB	94	53	2	0	69	17	25	28
2.	58	638368	7583	"BIGDB	85	50	2	0	97	18	25	23
3.	58	111013	12854	"BIGDB	81	71	2	0	90	17	25	22
4.	57	17301303	12235	"BIGDB	80	28	2	0	100	21	22	29
5.	52	74764117	12520	"BIGDB	67	70	2	0	99	18	20	14

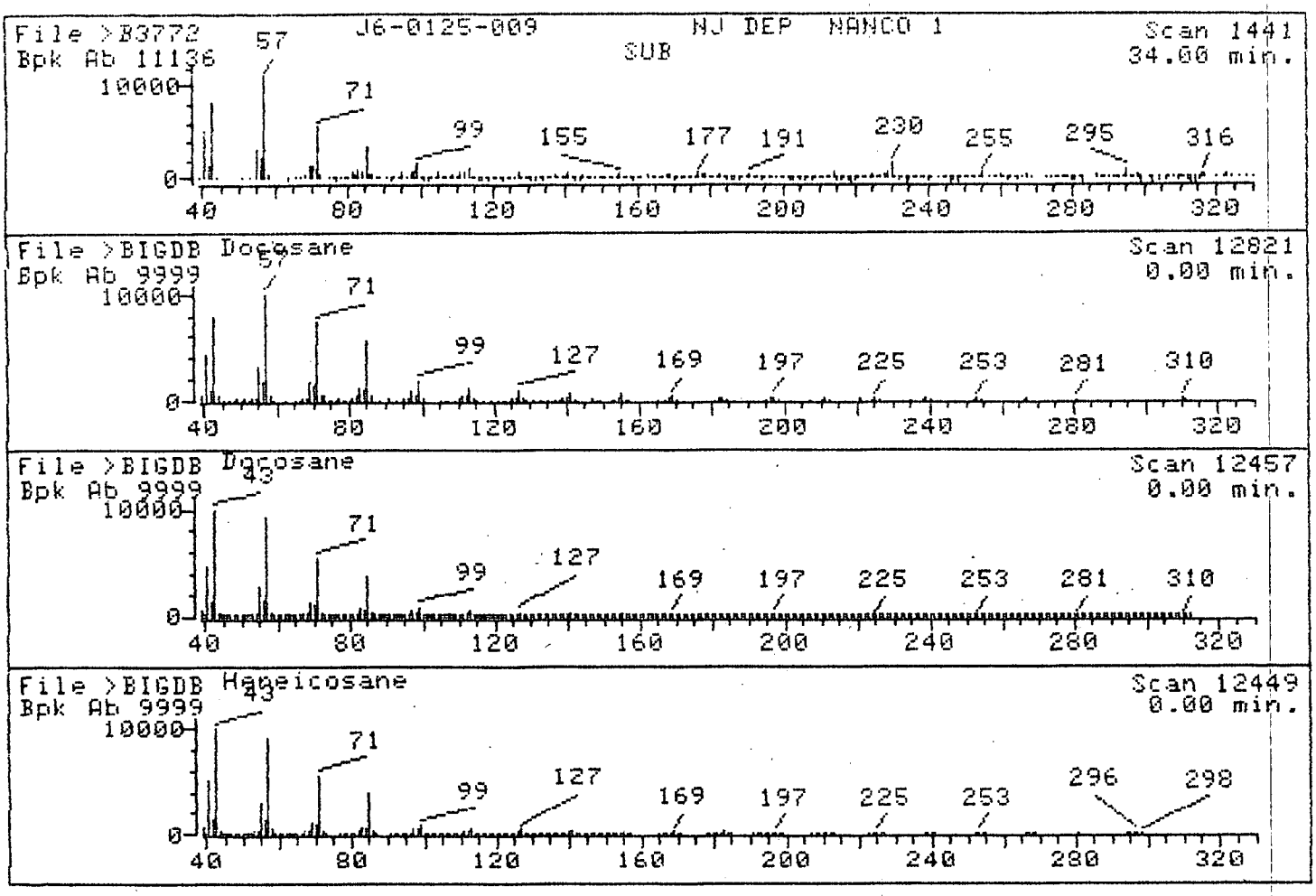


001266

1. Hexadecane, 2,6,10,14-tetramethyl- 282 C20H42
2. Nonane, 3,7-dimethyl- 156 C11H24
3. Docosane, 9-butyl- 366 C26H54
4. Docosane, 11-decyl- 450 C32H66
5. Docosane, 11-butyl- 366 C26H54

Sample file: >B3772 Spectrum #: 1358
Search speed: 1 Tilting option: N No. of ion ranges searched: 47

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	79*	638368	12811	"BIGDB	85	48	2	0	74	13	43	66
2.	76*	17302328	12095	"BIGDB	65	21	1	0	89	23	41	72
3.	76	55282149	12837	"BIGDB	89	62	2	0	77	9	45	26
4.	76	55401553	12857	"BIGDB	86	71	2	0	74	9	45	24
5.	76	13475768	12836	"BIGDB	83	68	2	0	76	9	45	23

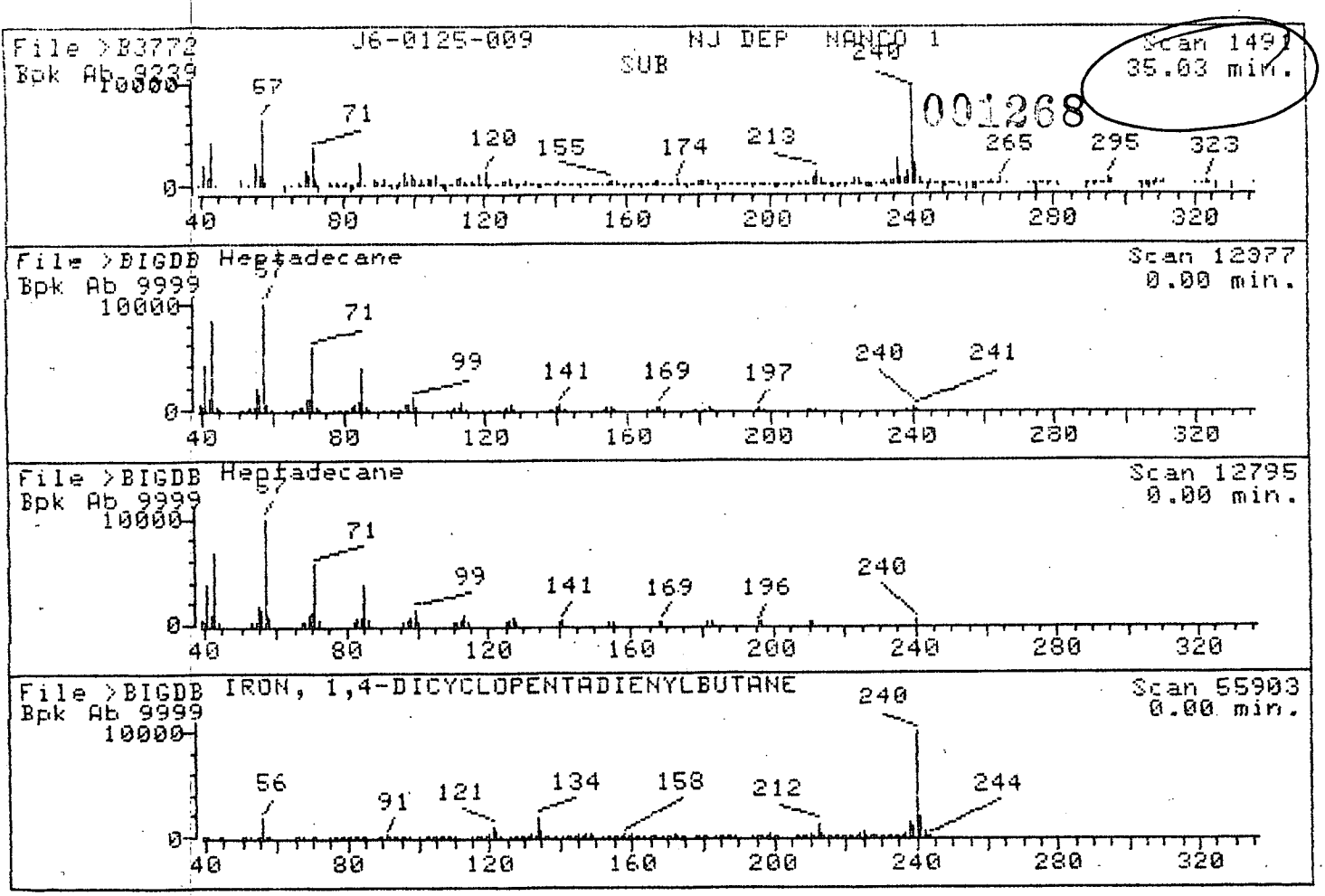


001267

1. Docosane	310	C22H46
2. Docosane	310	C22H46
3. Heneicosane	296	C21H44
4. Tricosane	324	C23H48
5. Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44

Sample file: >B3772 Spectrum #: 1441
Search speed: 1 Tilting option: N No. of ion ranges searched: 51

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	93*	629970	12821	"BIGDB	129	18	0	0	54	36	47	99
2.	89*	629970	12457	"BIGDB	84	48	0	0	73	40	47	95
3.	89*	629947	12449	"BIGDB	80	47	0	0	70	40	47	94
4.	89*	638675	12470	"BIGDB	85	53	0	0	58	40	47	95
5.	88*	54833486	12443	"BIGDB	95	38	1	0	62	36	47	93



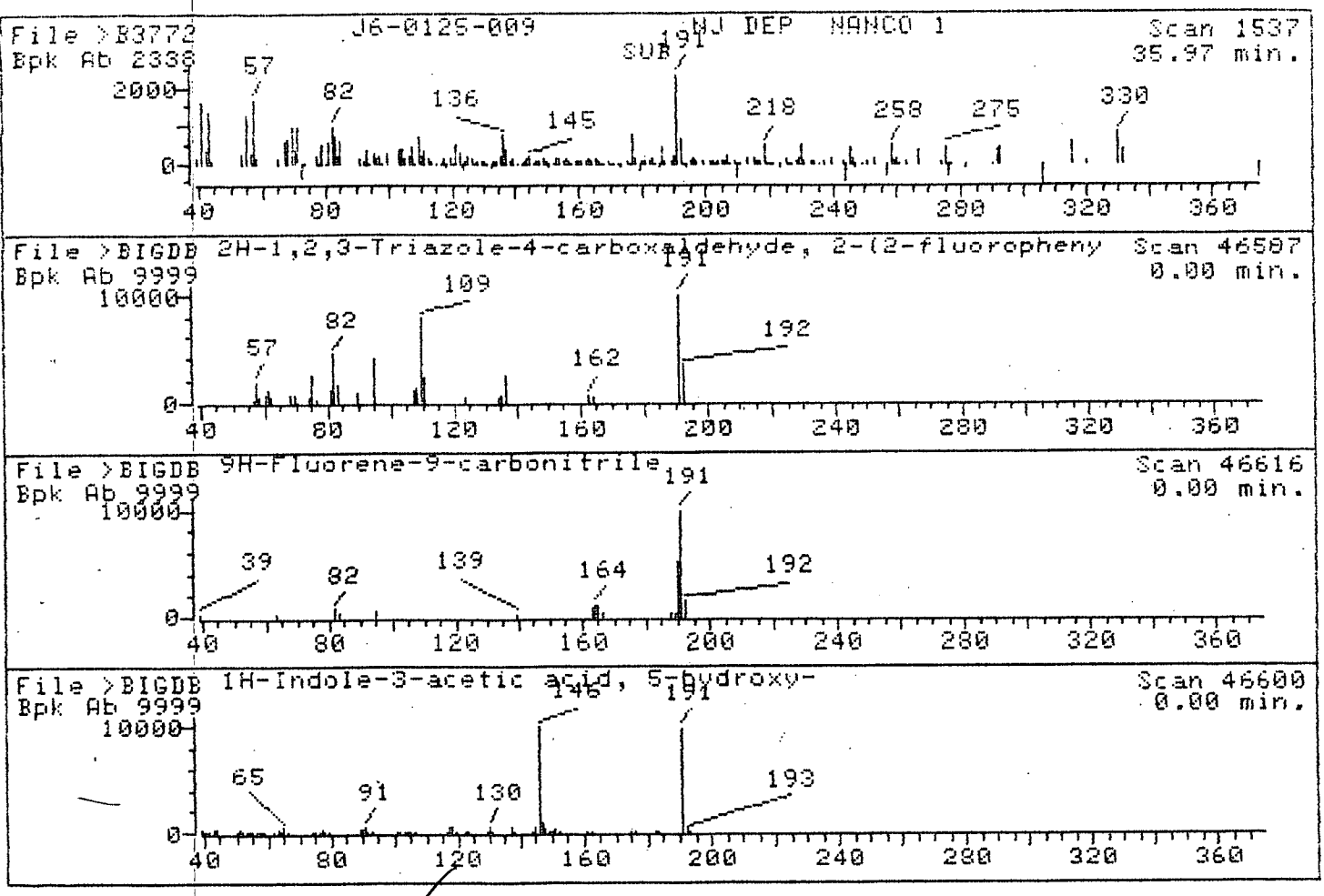
001268

CHRYSENE-d12 SEE QUANT

1. Heptadecane 240 C17H36
2. Heptadecane 240 C17H36
3. IRON, 1,4-DICYCLOPENTADIENYLBUTANE 240 C14H16Fe
4. IRON, ETHYLCYCLOPENTADIENYL-VINYLCYCLOPENTADIENYL- 240 C14H16Fe
5. 1H-Naphtho[2,1-b]pyran-1-one, 6-methoxy-3-methyl- 240 C15H12O3

Sample file: >B3772 Spectrum #: 1491
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	33*	629787	12377	"BIGDB	78	44	0	0	53	69	11	93
2.	32*	629787	12795	"BIGDB	73	48	0	0	57	69	11	92
3.	25*	0	55903	"BIGDB	41	88	3	0	100	50	7	13
4.	25*	0	55904	"BIGDB	42	93	3	0	100	50	7	13
5.	20*	5891930	55916	"BIGDB	28	64	3	0	100	51	5	13



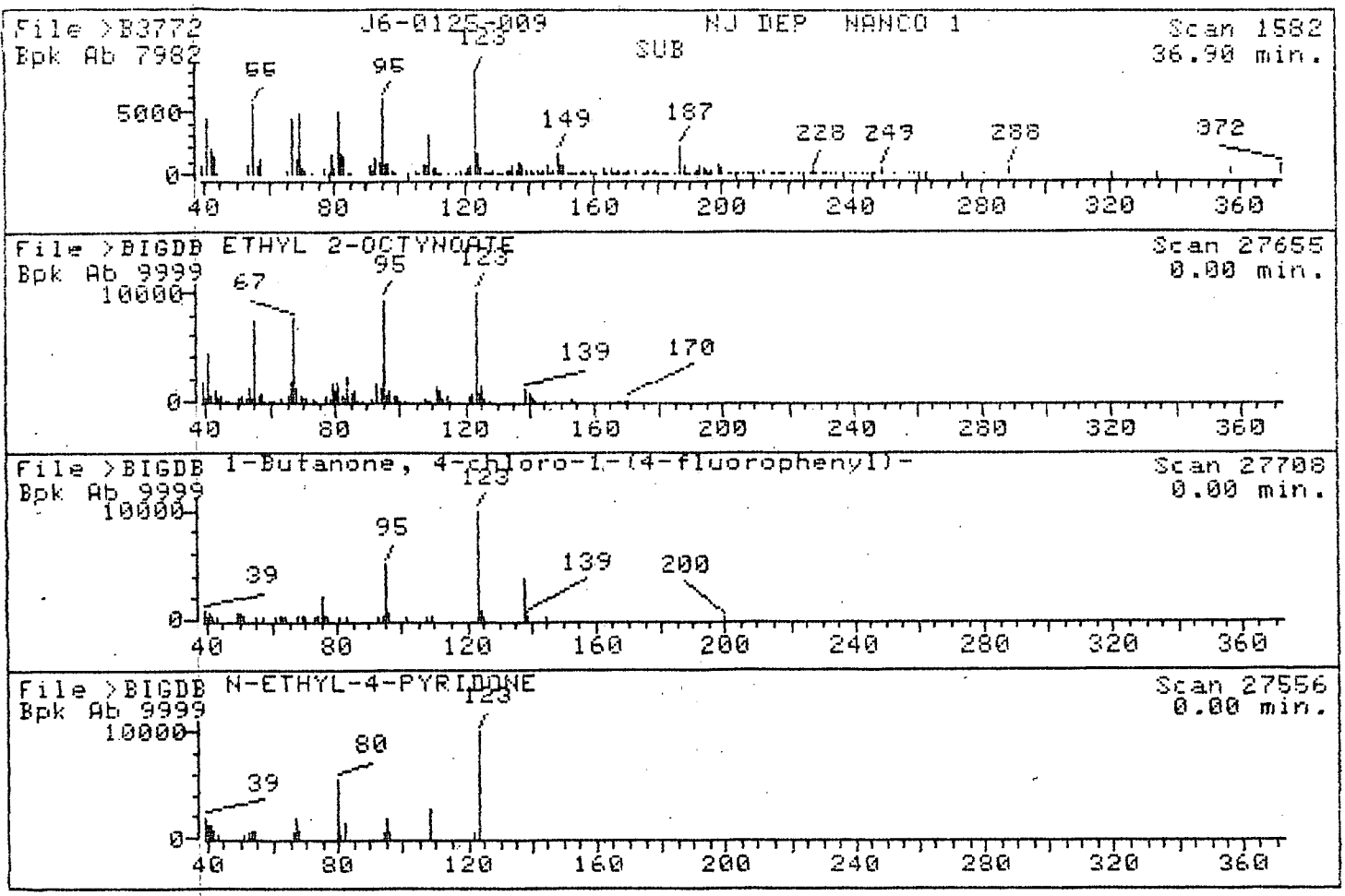
001269

U.K. ALKENE

1. 2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluoropheny 191 C9H6FN3O
   1)-
2. 9H-Fluorene-9-carbonitrile 191 C14H9N
3. 1H-Indole-3-acetic acid, 5-hydroxy- 191 C10H9NO3
4. 9H-Fluorene-2-carbonitrile 191 C14H9N

Sample file: >B3772 Spectrum #: 1537
Search speed: 1 Tilting option: N No. of ion ranges searched: 46

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	15*	51306435	46587	"BIGDB	32	104	3	0	93	58	3	13
2.	11*	1529404	46616	"BIGDB	24	71	2	0	100	62	2	14
3.	11*	54160	46600	"BIGDB	25	79	3	0	101	64	2	13
4.	11*	2523480	46615	"BIGDB	25	89	3	0	100	62	2	13

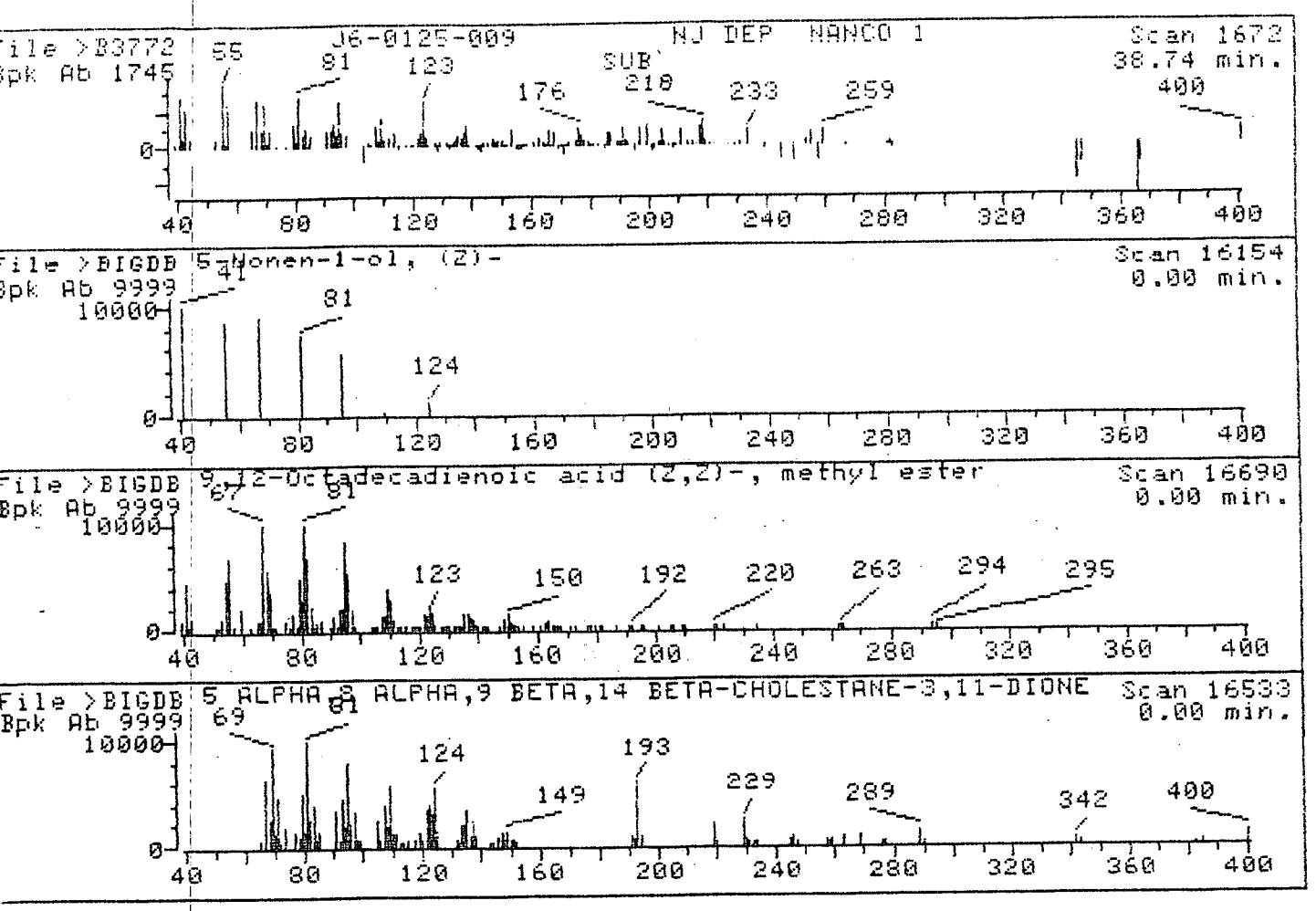


001270

1.	ETHYL 2-OCTYNOATE	168	C10H16O2
2.	1-Butanone, 4-chloro-1-(4-fluorophenyl)-	200	C10H10ClFO
3.	N-ETHYL-4-PYRIDONE	123	C7H9NO
4.	Benzenemethanol, 3-amino-	123	C7H9NO
5.	CYCLOPENTANE, 1-ISOPROPENYL-2,3-DIMETHYL-	138	C10H18

Sample file: >B3772 Spectrum #: 1582
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30*	0	27655	"BIGDB	43	77	3	0	71	34	12	13
2.	25*	3874542	27708	"BIGDB	24	87	3	0	100	50	7	12
3.	20*	0	27556	"BIGDB	32	67	3	0	100	55	5	13
4.	20*	1877776	27546	"BIGDB	24	90	3	0	100	51	5	12
5.	15*	0	16136	"BIGDB	47	75	3	0	64	57	3	13

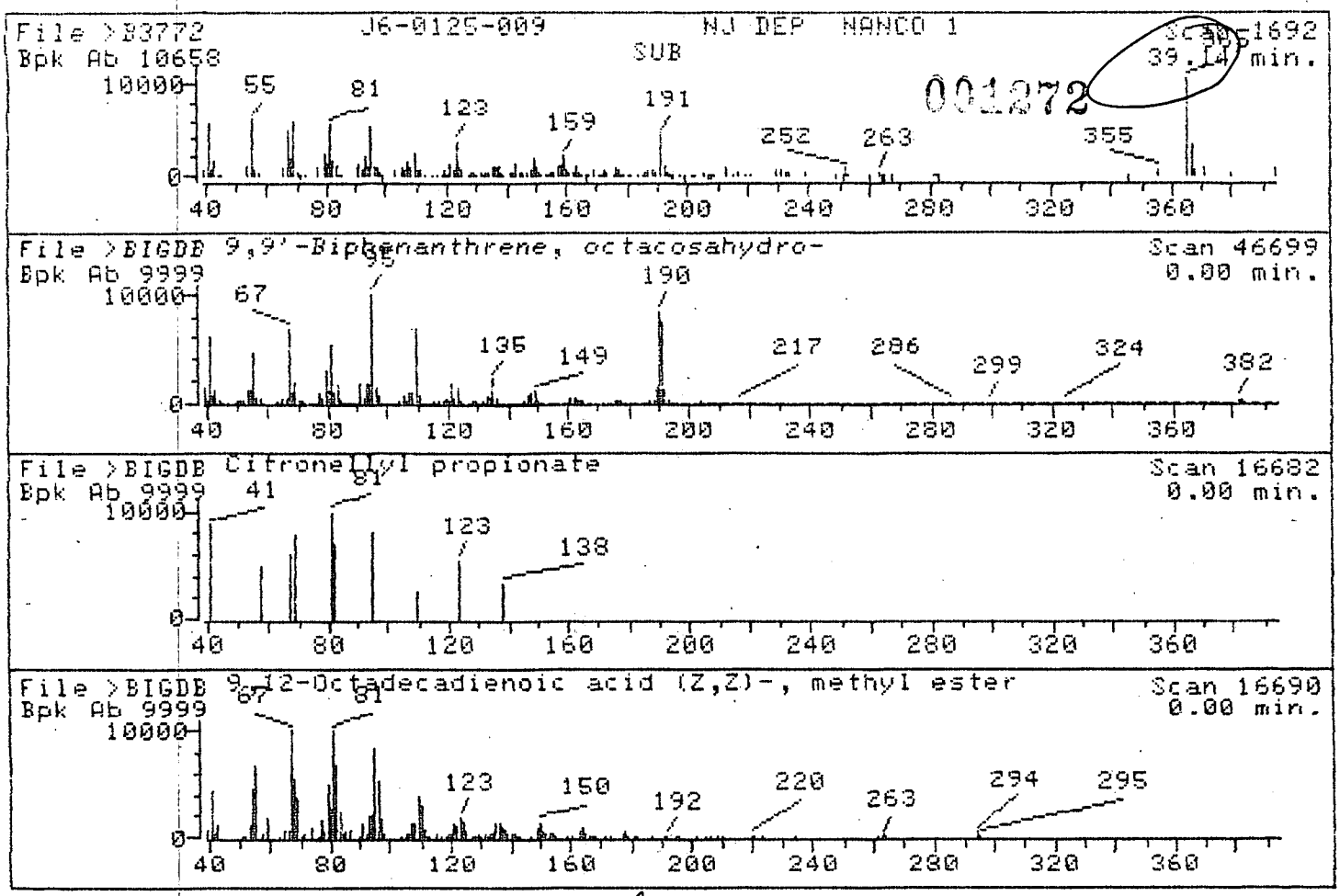


001271

1.	5-Nonen-1-ol, (Z)-	142	C9H18O
2.	9,12-Octadecadienoic acid (Z,Z)-, methyl ester	294	C19H34O2
3.	5 ALPHA,8 ALPHA,9 BETA,14 BETA-CHOLESTANE-3,11-DIONE	400	C27H44O2
4.	Bicyclo[4.1.0]heptane, 3,7,7-trimethyl-	138	C10H18
5.	Citronellyl propionate	212	C13H24O2

Sample file: >B3772 Spectrum #: 1672
Search speed: 1 Tilting option: N No. of ion ranges searched: 68

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30	64275758	16154	"BIGDB	39	25	0	0	78	49	10	21
2.	28	112630	16690	"BIGDB	78	102	3	0	76	37	10	14
3.	28*	0	16533	"BIGDB	66	144	3	0	73	52	8	33
4.	28*	554596	16137	"BIGDB	56	55	2	0	110	53	8	33
5.	27	141140	16682	"BIGDB	44	44	1	0	80	45	8	15

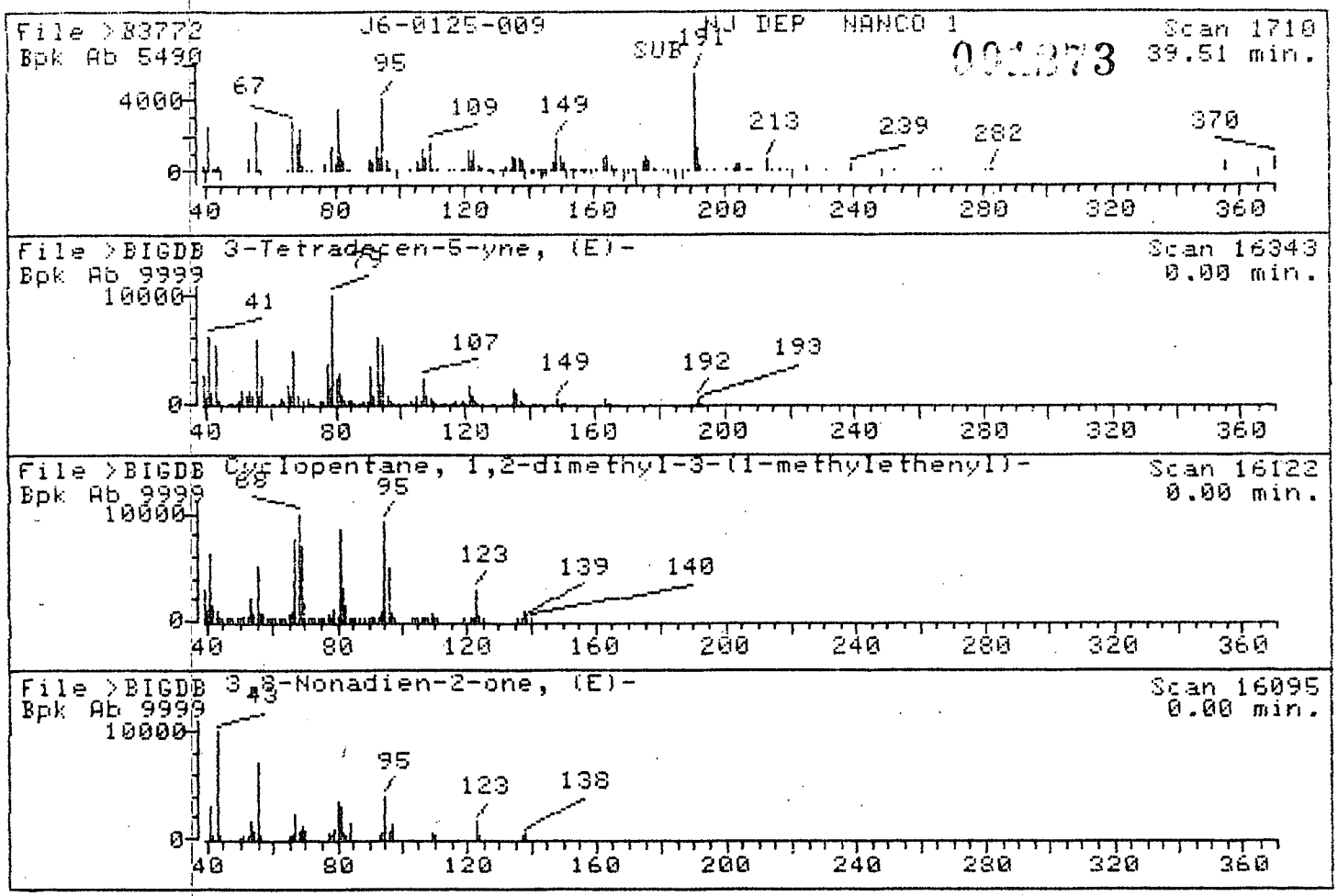


PERYLENE-d12 SEE QUANT

1. 9,9'-Biphenanthrene, octacosahydro- 382 C28H46
2. Citronellyl propionate 212 C13H2402
3. 9,12-Octadecadienoic acid (Z,Z)-, methyl ester 294 C19H3402
4. Noraporphin-7-one, 4,5,6,6a-tetradehydro-10-ethoxy-1,2,9-trimethoxy- 365 C21H19NO5

Sample file: >B3772 Spectrum #: 1692
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

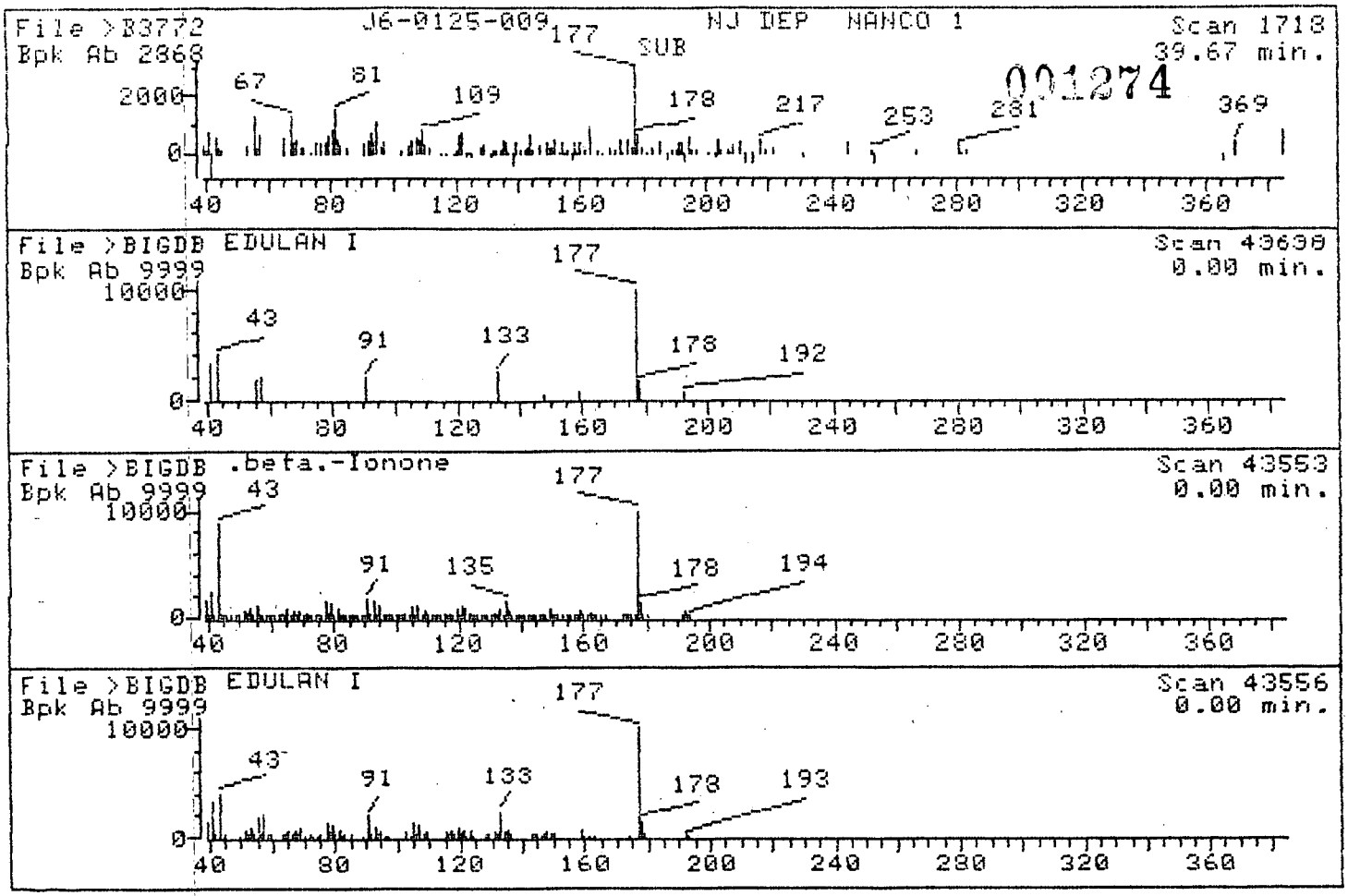
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	30	55334184	46699	"BIGDB	89	89	3	0	50	44	8	18
2.	15	141140	16682	"BIGDB	54	34	3	0	52	60	3	15
3.	11	112630	16690	"BIGDB	73	86	3	0	44	62	2	13
4.	11*	15358017	69917	"BIGDB	26	149	3	0	100	64	2	13



1.	3-Tetradecen-5-yne, (E)-	192	C14H24
2.	Cyclopentane, 1,2-dimethyl-3-(1-methylethenyl)-	138	C10H18
3.	3,8-Nonadien-2-one, (E)-	138	C9H14O
4.	(-)-CIS-1-METHYL-2-METHYLENE-3-ISOPROPYLCYCLOPENTANE	138	C10H18
5.	5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl-	192	C11H16N2O

Sample file: >B3772 Spectrum #: 1710
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	20*	74744448	16343	"BIGDB	56	74	3	0	109	53	5	19
2.	20*	6983035	16122	"BIGDB	49	71	3	0	65	54	5	13
3.	20*	55282901	16095	"BIGDB	35	72	3	0	183	54	5	13
4.	18*	0	16128	"BIGDB	31	8	0	0	73	59	4	24
5.	15*	69393415	16342	"BIGDB	41	53	2	0	54	60	3	19

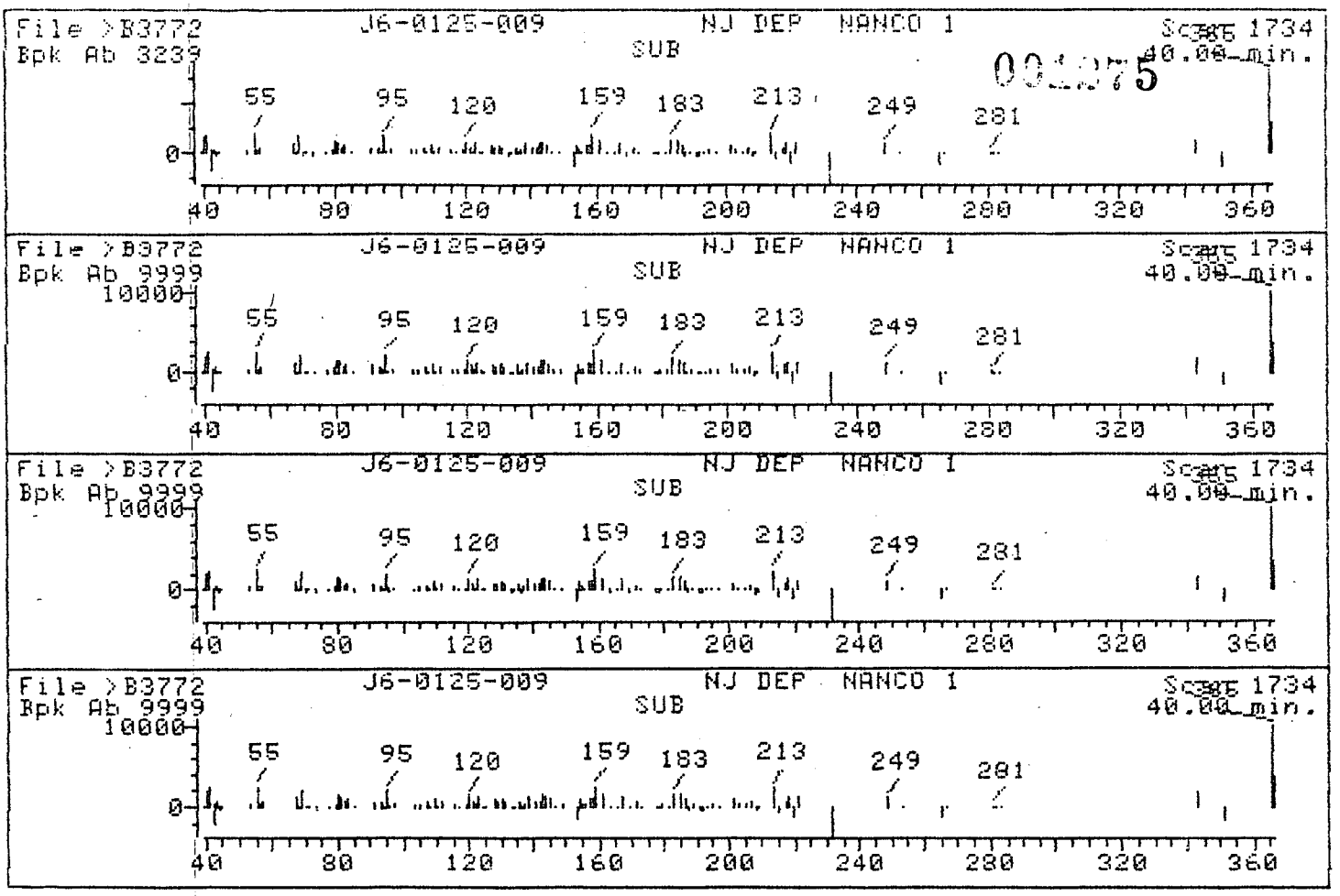


001274

1.	EDULAN I	192	C13H20O
2.	.beta.-Ionone	192	C13H20O
3.	EDULAN I	192	C13H20O
4.	.beta.-Ionone	192	C13H20O
5.	.beta.-Ionone	192	C13H20O

Sample file: >B3772 Spectrum #: 1718
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	0	43638	"BIGDB	29	47	3	0	100	50	7	14
2.	25*	14901076	43553	"BIGDB	29	87	2	0	100	50	7	14
3.	25*	0	43556	"BIGDB	23	91	3	0	100	50	7	12
4.	20*	14901076	43637	"BIGDB	42	69	2	0	94	52	5	14
5.	20*	14901076	43636	"BIGDB	37	78	3	0	100	52	5	13



Sample file: >B3772 Spectrum #: 1734

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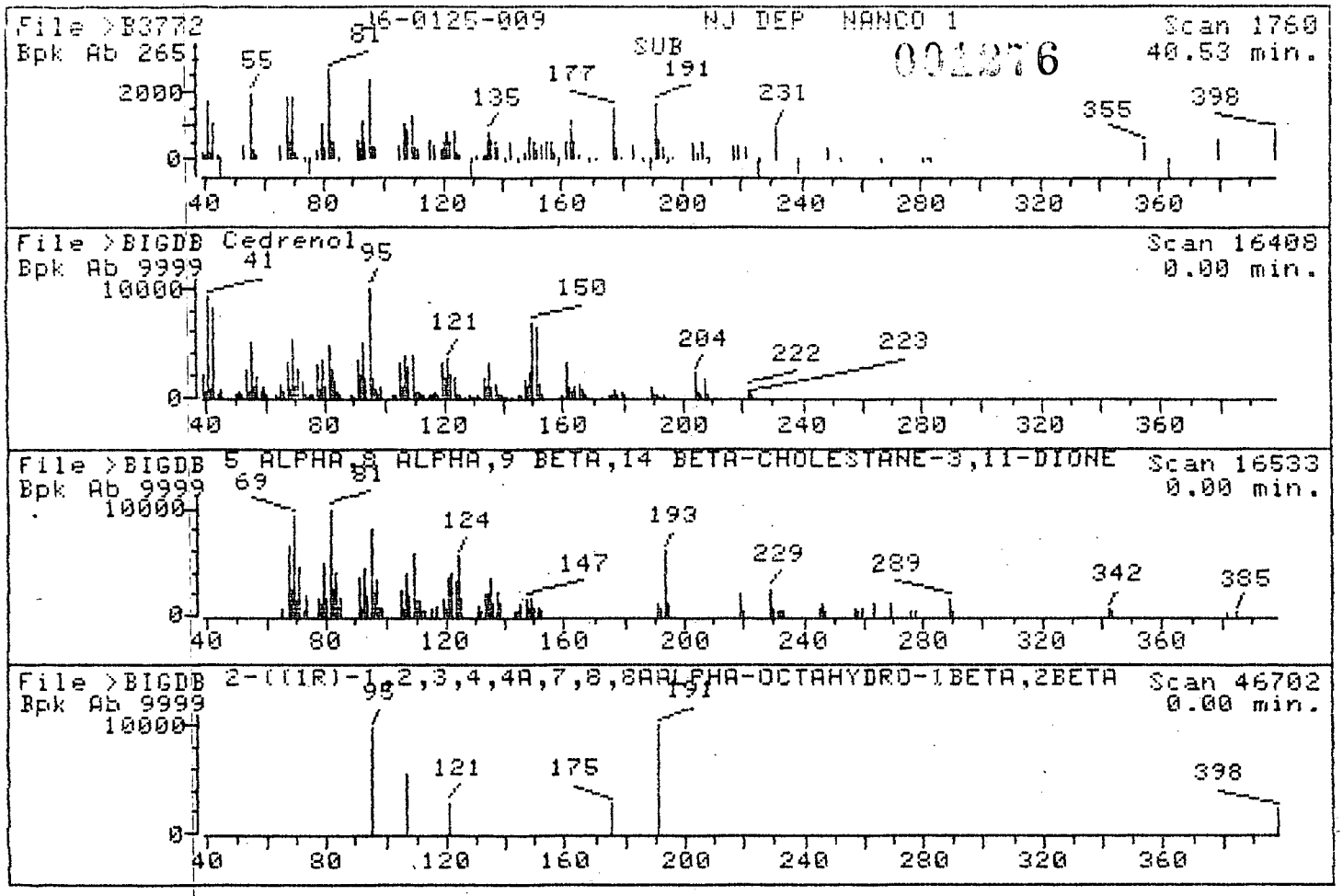
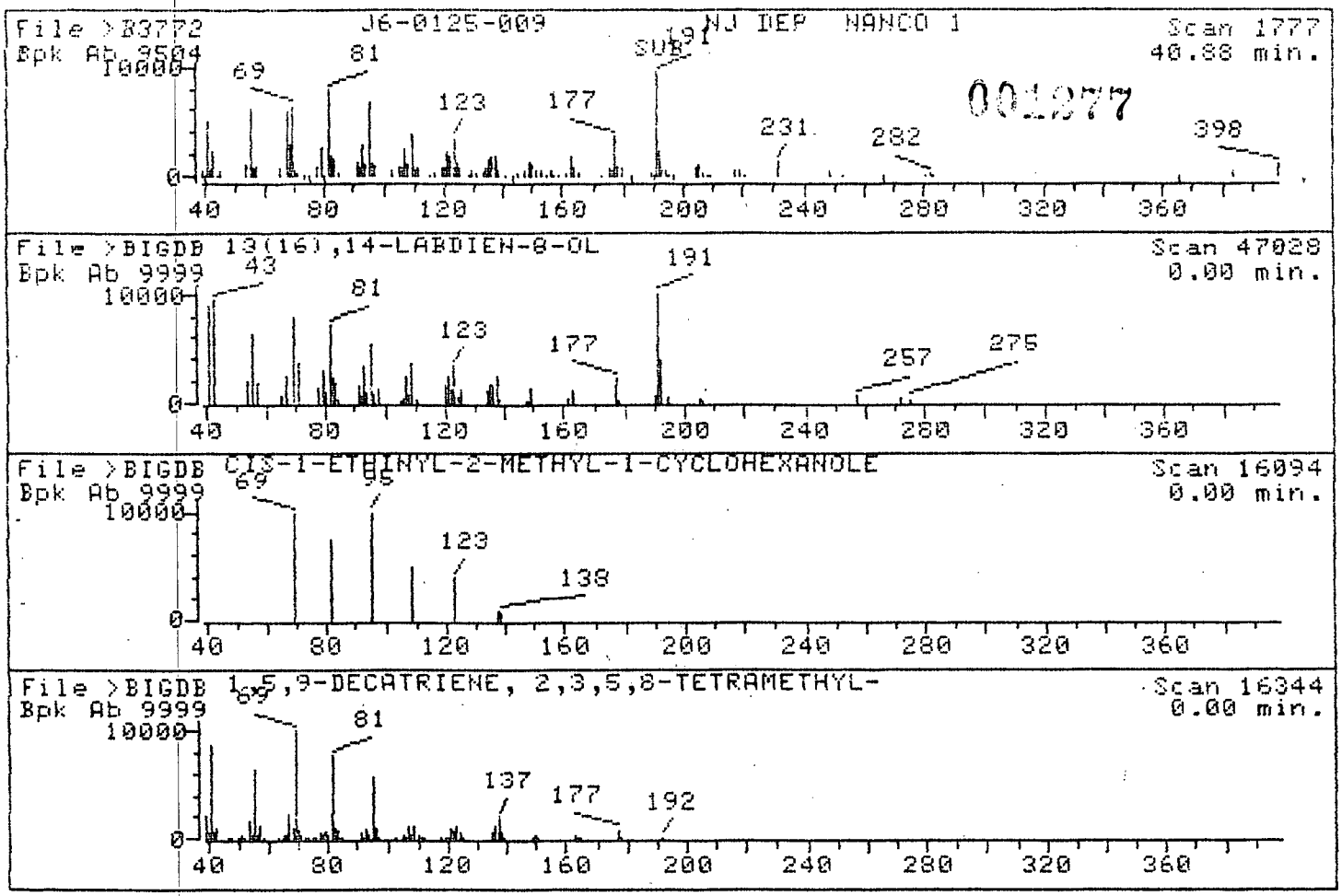


1. Cedrenol 220 C15H24O
2. 5 ALPHA,8 ALPHA,9 BETA,14 BETA-CHOLESTANE-3,11-DIONE 400 C27H44O2
3. 2-((1R)-1,2,3,4,4A,7,8,8AALPHA-OCTAHYDRO-1BETA,2BETA ,4AB 398 C25H34O4
4. 2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluorophenyl)- 191 C9H6FN3O

Sample file: >B3772 Spectrum #: 1760
Search speed: 1 Tilting option: N No. of ion ranges searched: 49

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	20	28231030	16408	"BIGDB	72	90	3	0	86	55	5	12
2.	20	0	16533	"BIGDB	84	126	3	0	75	55	5	16
3.	20*	0	46702	"BIGDB	29	26	1	0	63	52	5	16
4.	11*	51306435	46587	"BIGDB	44	92	3	0	61	65	2	13



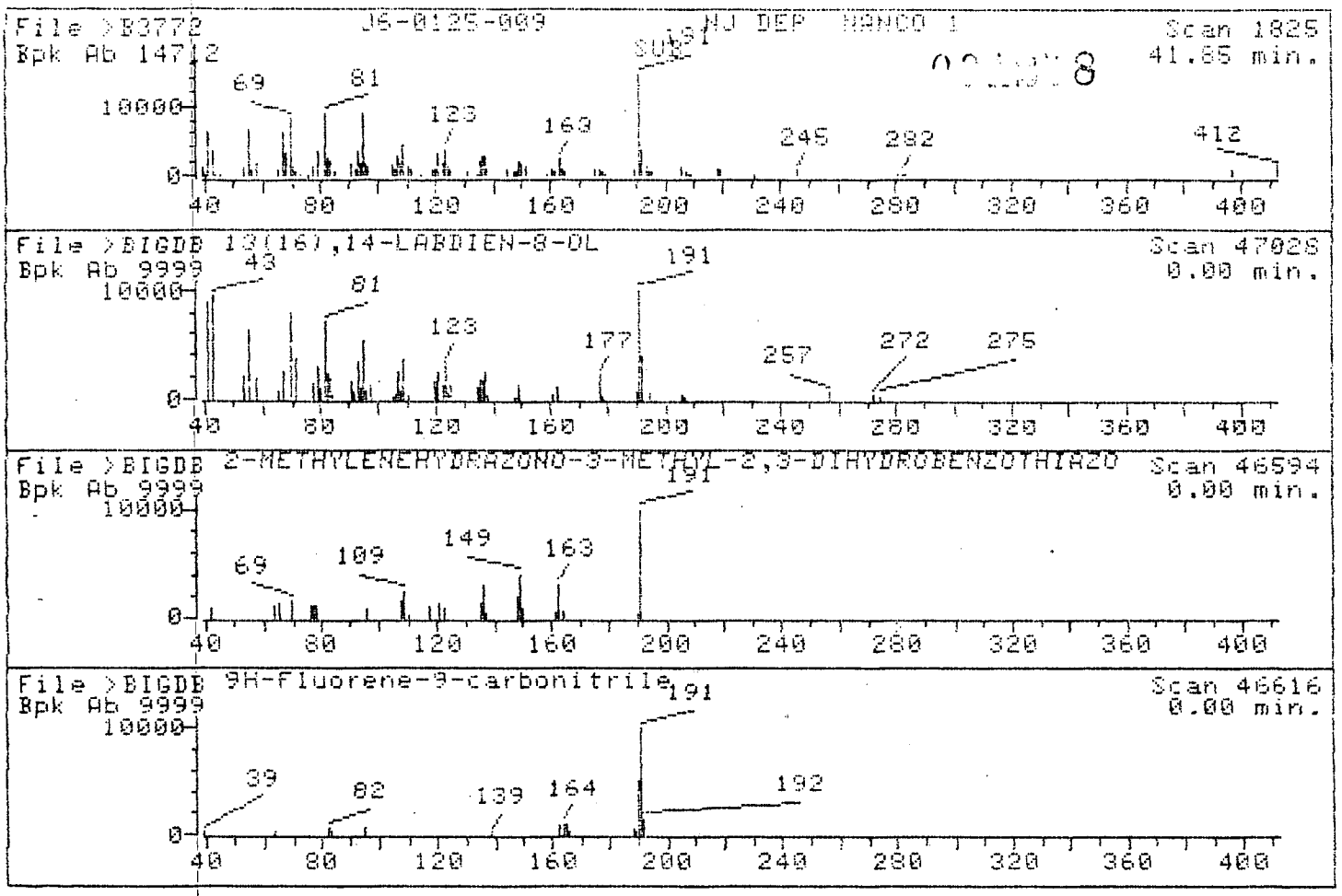
001977

U.K.

1. 13(16),14-LABDIEN-8-OL 290 C20H340
2. CIS-1-ETHINYL-2-METHYL-1-CYCLOHEXANOLE 138 C9H140
3. 1,5,9-DECATRIENE, 2,3,5,8-TETRAMETHYL- 192 C14H24
4. Naphthalene, 2-(1,1-dimethylethyl)decahydro- 194 C14H26
5. 2H-1,2,3-Triazole-4-carboxaldehyde, 2-(2-fluoropheny 191 C9H6FN3O
   1)-

Sample file: >B3772 Spectrum #: 1777
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	32	0	47028	"BIGDB	89	89	3	0	83	37	10	18
2.	31*	0	16094	"BIGDB	44	13	0	0	68	60	8	60
3.	24*	0	16344	"BIGDB	39	86	1	0	84	52	7	21
4.	20*	54824009	16351	"BIGDB	31	105	3	0	81	55	5	13
5.	15*	51306435	46587	"BIGDB	22	97	3	0	49	60	3	12

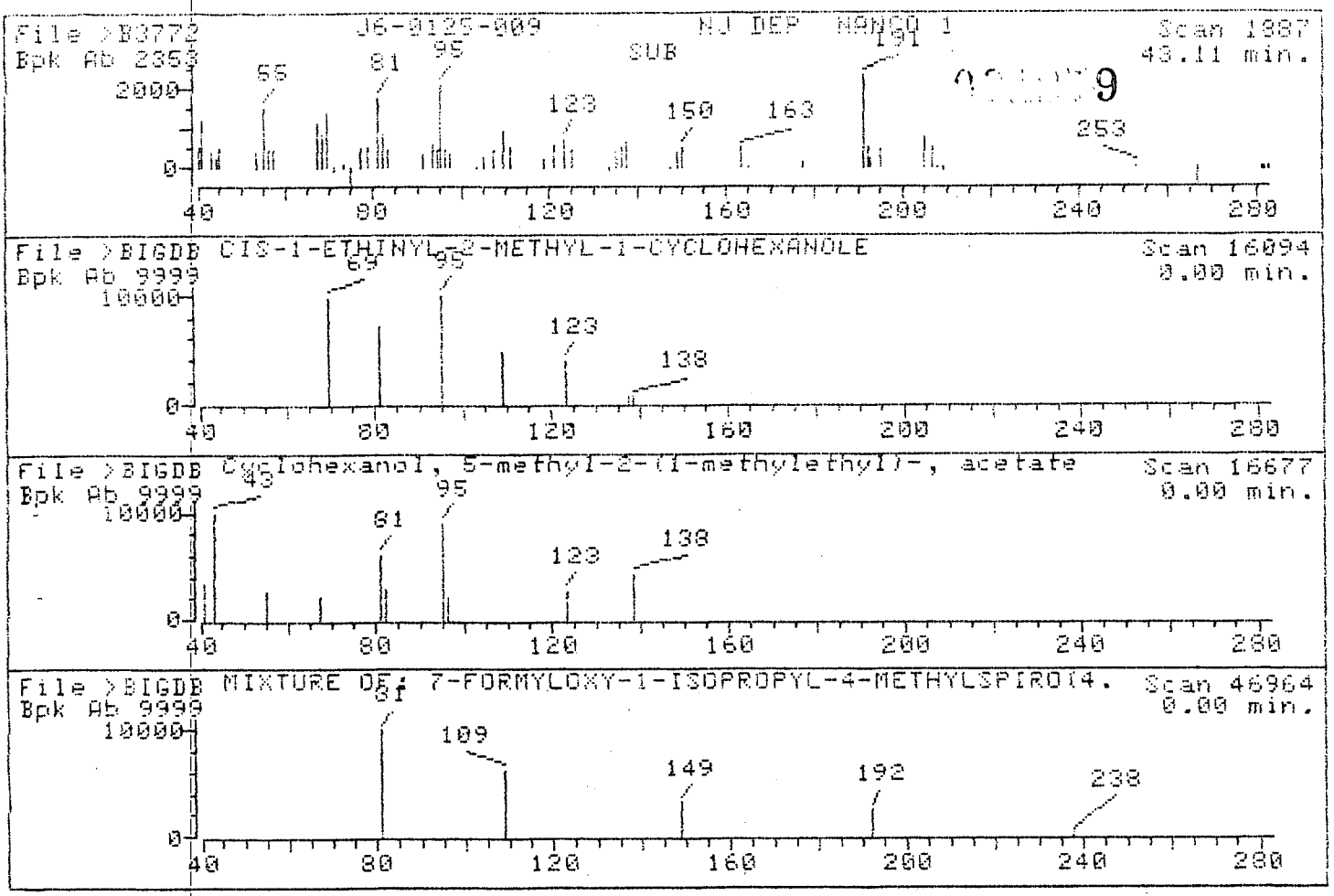


U.K.

1.	13(16),14-LABDIEN-8-OL	290	C20H34O
2.	2-METHYLENEHYDRAZONO-3-METHYL-2,3-DIHYDROBENZOTHIAZO	191	C9H9N3S
3.	9H-Fluorene-9-carbonitrile	191	C14H9N
4.	4-ETHYL-2-HEXYNAL	124	C8H12O
5.	CIS-1-ETHINYL-2-METHYL-1-CYCLOHEXANOLE	138	C9H14O

Sample file: >B3772 Spectrum #: 1825
Search speed: 1 Tilting option: N No. of ion ranges searched: 43

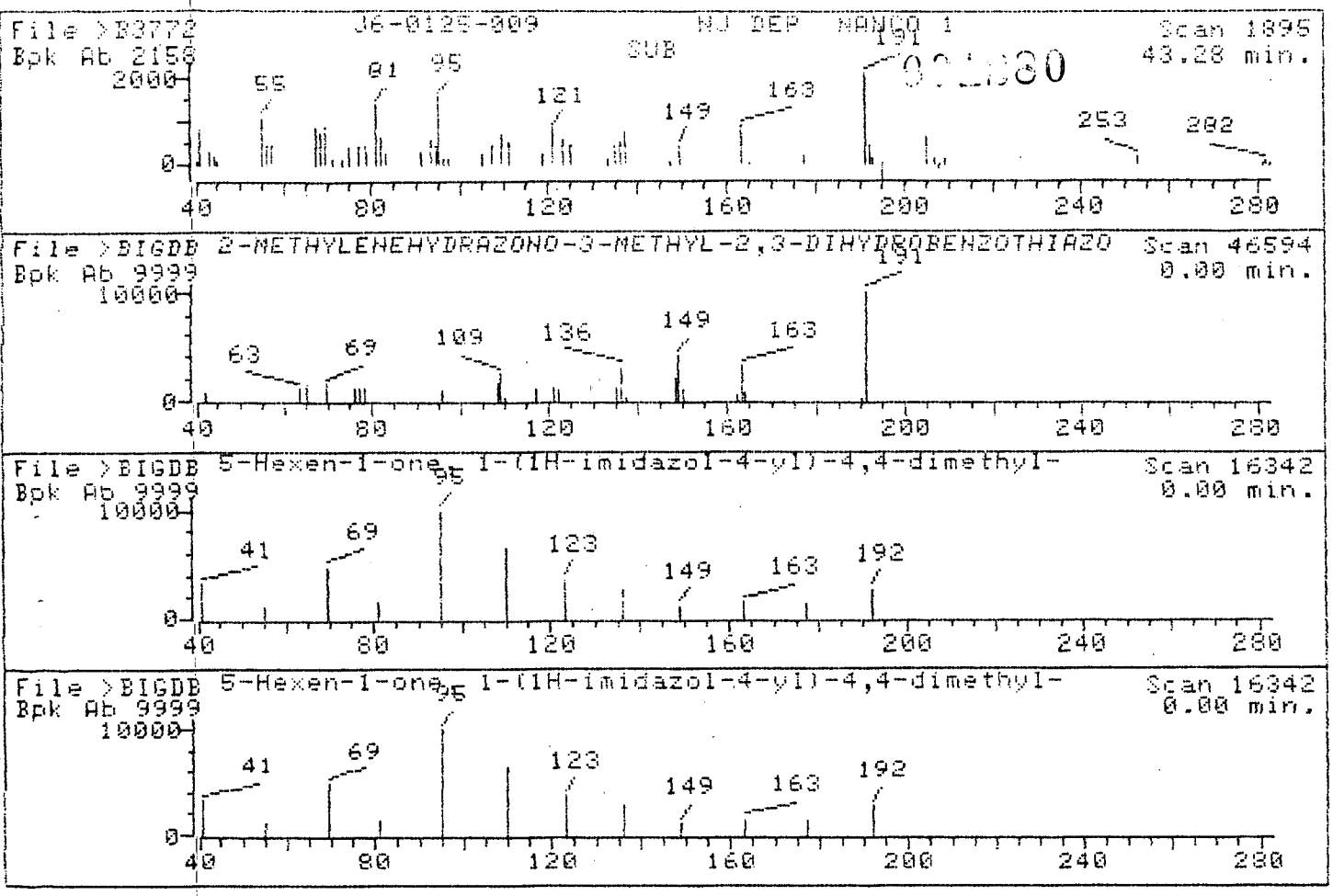
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	42	0	47028	"BIGDB	91	87	3	0	69	26	14	19
2.	20*	0	46594	"BIGDB	37	95	3	0	100	53	5	13
3.	15*	1529404	46616	"BIGDB	25	70	3	0	100	59	3	13
4.	15*	0	16028	"BIGDB	34	81	2	0	50	60	3	14
5.	15*	0	16094	"BIGDB	51	6	0	0	56	67	5	74



1. CIS-1-ETHINYL-2-METHYL-1-CYCLOHEXANOLE 138 C9H14O
2. Cyclohexanol, 5-methyl-2-(1-methylethyl)-, acetate 198 C12H22O2
3. MIXTURE OF: 7-FORMYLOXY-1-ISOPROPYL-4-METHYLSPIRO(4. 238 C15H26O2
   5)DECANE ANDBICYCLOANALOGUE
4. MIXTUREOF: 3-FORMYLOXY-8-ISOPROPYL-1-METHYLBICYCLO(5 238 C15H26O2
   .3.0)DECANEAND SPIRO ANALOGUE

Sample file: >B3772 Spectrum #: 1887
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	15	0	16094	"BIGDB	38	19	1	0	60	58	3	14
2.	15	16409453	16677	"BIGDB	40	36	2	0	98	60	3	14
3.	11	0	46964	"BIGDB	36	6	1	0	57	65	2	13
4.	11	0	46963	"BIGDB	36	6	1	0	57	65	2	13



1. 2-METHYLENEHYDRAZONO-3-METHYL-2,3-DIHYDROBENZOTHIAZO 191 C9H9N3S
2. 5-Hexen-1-one, 1-(1H-imidazol-4-yl)-4,4-dimethyl- 192 C11H16N2O

Sample file: >B3772 Spectrum #: 1895
Search speed: 1 Tilting option: N No. of ion ranges searched: 44

	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	25*	0	46594	"BIGDB	34	98	3	0	100	48	7	13
2.	12*	69393415	16342	"BIGDB	43	51	2	0	67	65	2	22

>B3772 J6-0125-009 021981

SURR	CONC (ug/kg)	% REC
PHENOL d5	3239.41	49
2-FLUOROPHENOL	2063.63	31
NITROBENZENE	3241.47	98
2-FLUOROBIPHENYL	3593.23	108
2,4,6 TRIBROMOPHENOL	3521.13	53
TERPHENYL d14	3151.11	95

MOISTURE 56 %

HSL	WET WT (ug/kg)	DRY WT (ug/kg)
ISOPHORONE	3836	8700
2-NITROPHENOL	1513.5	3400
2,4-DIMETHYLPHENOL	644	MM ~~11~~ 1500
4-CHLORO-3-METHYLPHENOL	2896	6600
2-METHYLNAPHTHALENE	15290	35000
3-NITROANILINE	9060	2100
ACENAPHTHENE	5348	12000
DIBENZOFURAN	1484	3400
2,4-DINITROTOLUENE	13165	30000
PHENANTHRENE	11000	25000
FLUORANTHENE	2952	6700
PYRENE	4089	9300

TIC b = 74 x 40 / (1-0.56) = 6727

			EST DRY CONC (ug/kg)
(-) UNKNOWN KETONE (8.273) :	491048/355329 x b	=	9300 J
(123422) 2-PENTANONE, 4-HYDROXY-4-METHYL (8.658)	5653873/355329 x b	=	107000 J
(-) UNKNOWN (10.991)	365133 / " "	=	6900 J
(-) UNKNOWN (11.771)	550018 / " "	=	10000 J
(-) UNKNOWN KETONE (12.087)	487200 / " "	=	9200 J
(-) " AROMATIC (12.616)	322110 / " "	=	6100 J
(-) " ALKANE (13.307)	2535801 / " "	=	48000 J
(-) " (13.530)	1417662 / " "	=	27000 J
(-) " ALCOHOL (14.079)	4556482 / " "	=	86000 J
(-) " ALKANE (14.262)	703218 / " "	=	13000 J
(-) " AROMATIC (14.588)	1352411 / " "	=	26000 J
(-) " " (14.730)	600397 / " "	=	11000 J

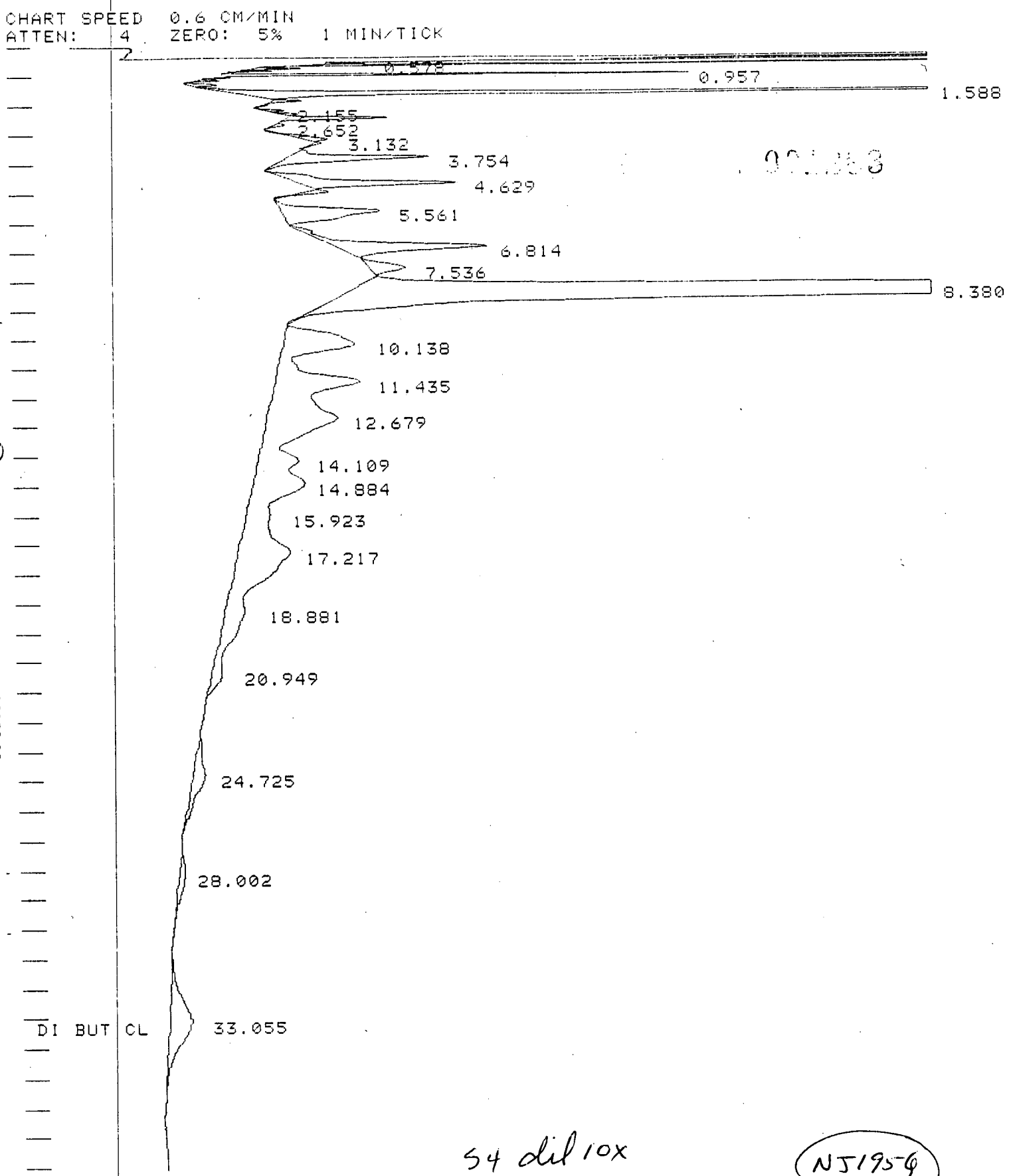
(CONT NEXT PAGE)

Michael J. Morris 12-29-87

>B3772 (CONT) J6-0125-009

TIC	(CONT FROM PREV PG)				EST DRY CONC (ug/kg)
(-)	UNKNOWN	ALKANE	(15.076)	2430230 / 355329 x 6 =	46000 J
(-)	"	"	(15.423)	3847658 / " " =	73000 J
(-)	"		(15.708)	2153584 / " " =	41000 J
(-)	"	AROMATIC	(16.237)	4467397 / " " =	~~88000~~ 85000 J
(-)	"	ALKANE	(17.501)	4606931 / " " =	87000 J
(-)	"	AROMATIC	(16.034)	467397 / " " =	8800 J
(-)	"	ALKANE	(16.234)	4464824 / " " =	85000 J
(-)	"	"	(18.317)	1656330 / " " =	31000 J
(-)	"	"	(25.755)	2351722 / 1111342 x 6 =	14000 J
(-)	"	"	(30.779)	542484 / " " =	3300 J
(-)	"	"	(32.114)	939141 / " " =	5700 J
(-)	"	ALKENE	(35.974)	346693 / " " =	2100 J
(-)	UNKNOWN		(40.876)	505027 / 525180 x 6 =	6500 J
(-)	"		(41.853)	763016 / " " =	9800 J

Michael L Morris



S4 dil 10x

NJ195-9

varian /sunnyvale, calif p/n 03-906362-00

34 dil 10x (NJ195-9)

TITLE: PESTICIDE & PCB ANALYSIS 22:35 2 OCT 86

CHANNEL NO: 2 SAMPLE: J6-125-9 10X METHOD: PEST8Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.0626	0.578		367	0.02	BB		1.90
2		1.0672	0.638		6252	0.02	BB		1.35
3		0.1304	0.746		764	0.02	T		2.70
4		0.0514	0.832		301	0.03	T		1.40
5		0.9827	0.957		5757	0.03	BB		2.45
6		0.0604	1.150		354	0.03	T		1.90
7		0.0927	1.298		543	0.04	BB		5.25
8		4.9745	1.588		29142	0.05	BB		3.85
9		0.0958	1.829		561	0.05	BB	?	5.90
10		0.0551	2.155		323	0.06	BB	?	7.40
11		0.0480	2.275		281	0.07	BB	?	7.00
12		0.4378	2.417		2565	0.07	BB	?	11.20
13		0.0577	2.652		338	0.08	BB	?	9.10
14		0.1482	3.132		868	0.09	BB	?	14.70
15		0.0423	3.261		248	0.10	BB	?	4.30
16		1.4477	3.754		8481	0.11	BB	?	18.70
17		1.6809	4.629		9847	0.14	BB	?	19.05
18		0.1270	4.909		744	0.15	BB	?	7.90
19		1.7807	5.561		10432	0.17	BB	?	29.00
20		2.1890	6.814		12824	0.21	BB	?	27.70
21		0.5365	7.536		3143	0.23	BB	?	38.40
22		60.7695	8.380		356004	0.25	BB	?	15.60
23		2.4581	10.138		14400	0.31	T	?	59.40
24		2.8633	11.435		16774	0.35	T	?	58.20
25		4.0592	12.679		23780	0.38	T	?	61.40
26		1.2336	14.109		7227	0.43	T	?	43.20
27		2.4132	14.884		14137	0.45	T	?	46.60
28		0.6463	15.923		3786	0.48	T	?	9.60
29		4.3632	17.217		25561	0.52	T	?	96.10
30		1.3996	18.881		8199	0.57	T	?	
31		0.3921	20.949		2297	0.63	T	?	65.10
32		0.9450	24.725		5536	0.75	T	?	50.65
33		0.3875	28.002		2270	0.85	BB		44.80
34	DI BUT CL	2.0008	33.055	0.055	11721	1.00	BB		85.60
TOTALS:		100.0000		0.055	585827				

DETECTED PKS: 38 REJECTED PKS: 4

MULTIPLIER: 1.00000

NOISE: 9.7 OFFSET: -275

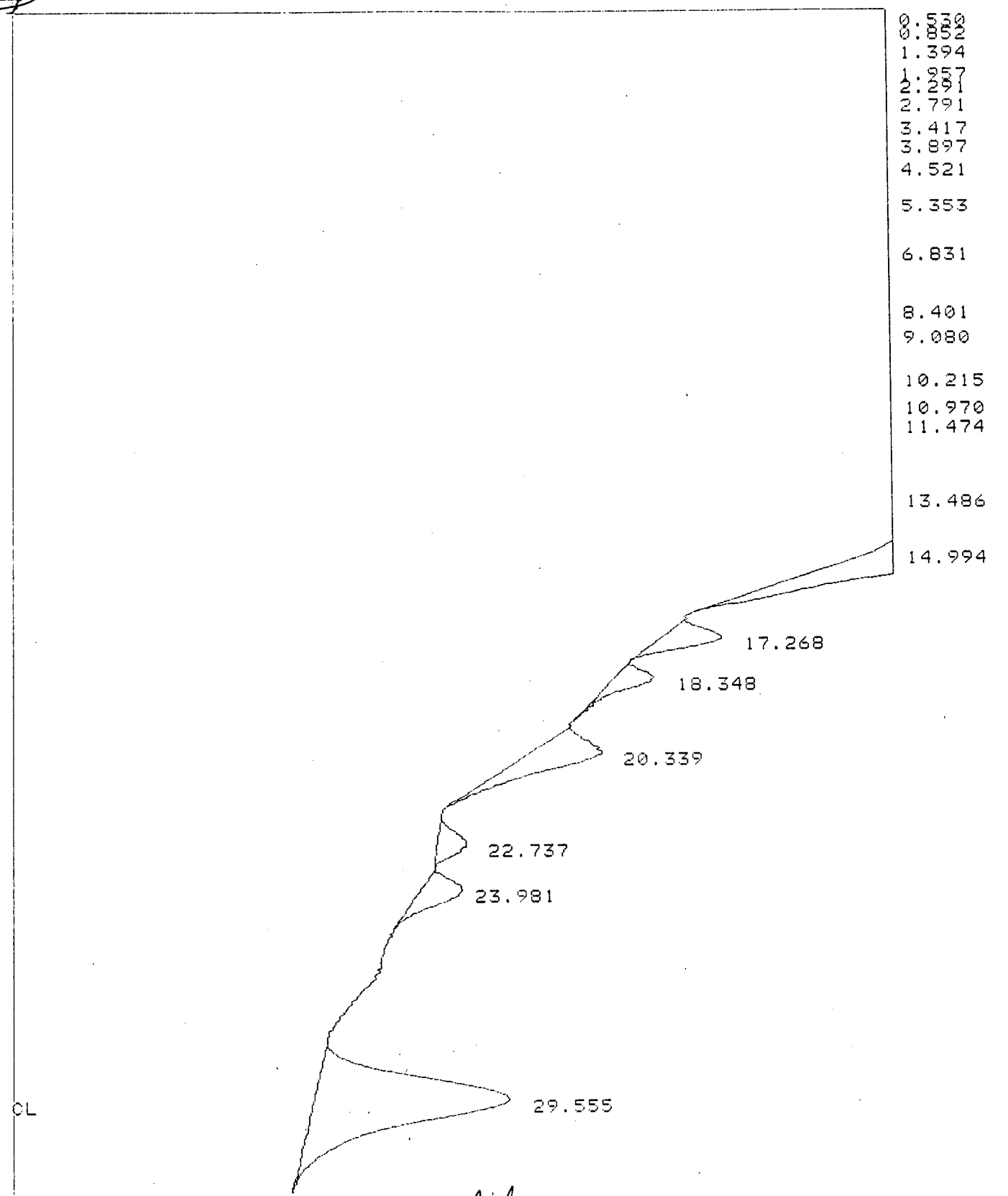
RACK: 3 VIAL: 2 INJ: 1

SAVED FILE: PEST8Q001

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 30ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

CHART SPEED 0.7 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



DI BUT CL

S4 dil 10x

NJ199c

varian /sunnyvale,calif.p/n 03-906362-00

54 ml 10X (NJ199c)

TITLE: PESTICIDE & PCB ANALYSIS 13:35 2 OCT 86

CHANNEL NO: 1 SAMPLE: J6-125-9 10X METHOD: PEST3C

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.1075	0.530		32685	0.02	BB		1.10
2		0.0260	0.600		7922	0.02	BB		1.00
3		0.0070	0.667		2119	0.02	BB		0.90
4		0.0630	0.852		19159	0.03	BB		2.25
5		0.0082	1.032		2496	0.03	BB		3.70
6		0.0443	1.168		13473	0.04	BB		4.40
7		15.7469	1.394		4789620	0.05	BB		4.25
8		0.0832	1.700		25296	0.06	BB	?	7.20
9		0.0797	1.957		24245	0.07	BB	?	7.20
10		0.0042	2.112		1267	0.07	BB	?	8.70
11		0.0933	2.291		28367	0.08	BB	?	14.90
12		0.0969	2.466		29467	0.08	BB	?	11.90
13		8.8217	2.791		2683250	0.09	BB	?	5.15
14		0.0100	3.008		3036	0.10	BB	?	2.60
15		0.3500	3.417		106454	0.12	BB	?	14.45
16		0.9269	3.897		281922	0.13	BB	?	14.80
17		0.4079	4.521		124054	0.15	BB	?	29.80
18		71.7788	5.353		21832500	0.18	BB	?	20.55
19		0.0910	6.831		27669	0.23	T	?	18.90
20		0.1586	8.401		48227	0.28	T	?	50.60
21		0.2123	9.080		64562	0.31	T		27.05
22		0.1510	10.215		45935	0.35	T		22.70
23		0.0804	10.970		24465	0.37	T		25.20
24		0.0874	11.474		26589	0.39	T	?	22.40
25		0.0269	13.486		8170	0.46	BB		22.15
26		0.1474	14.994		44833	0.51	BB		36.70
27		0.0291	17.268		8862	0.58	BB		26.35
28		0.0195	18.348		5937	0.62	BB		22.40
29		0.0577	20.339		17540	0.69	BB		31.80
30		0.0176	22.737		5357	0.77	BB		38.70
31		0.0284	23.981		8634	0.81	BB		34.35
32	DI BUT CL	0.2375	29.555	0.535	72250	1.00	BB	?	71.90
TOTALS:		100.0000		0.535	30416400				

DETECTED PKS: 32 REJECTED PKS: 0

MULTIPLIER: 1.00000

NOISE: 20.6 OFFSET: -44

RACK: 1 VIAL: 6 INJ: 1

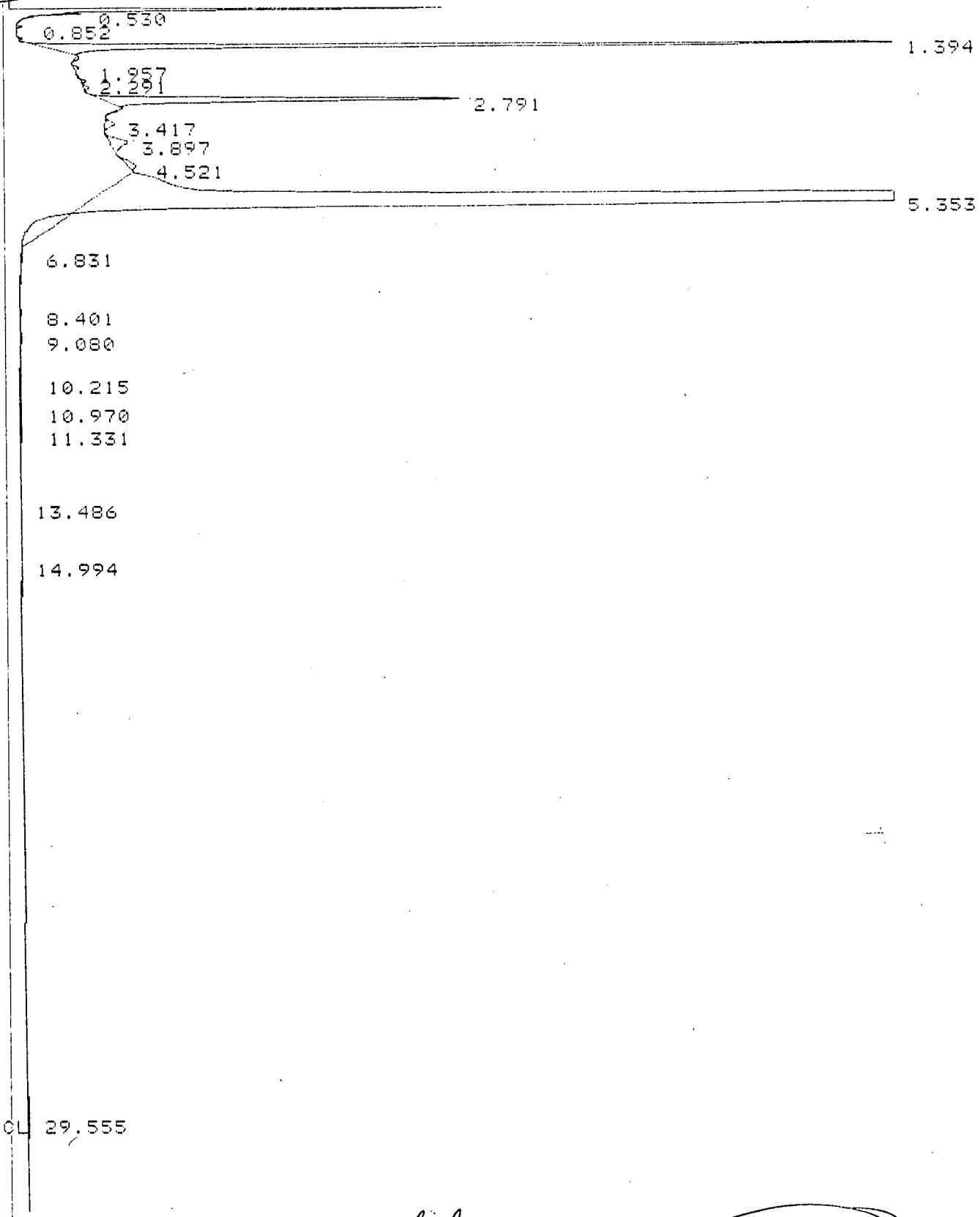
SAVED FILE: PEST3C052

ERRORS:
ADC OVERANGE

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

CHART SPEED 0.7 CM/MIN
ATTEN:1024 ZERO: 5% 1 MIN/TICK



54 dil 10x

NJ199C

varian /sunnyvale,calif.p/n 03-906362-00

57 all 10x (N5179C)

RECALC
TITLE: PESTICIDE & PCB ANALYSIS 13:35 2 OCT 86

CHANNEL NO: 1 SAMPLE: J6-125-9 10X METHOD: PEST30 001058

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.1077	0.530		32685	0.02	BB		1.10
2		0.0261	0.600		7922	0.02	BB		1.00
3		0.0070	0.667		2119	0.02	BB		0.90
4		0.0629	0.852		19098	0.03	BB		2.25
5		0.0082	1.032		2496	0.03	BB		3.70
6		0.0444	1.168		13473	0.04	BB		4.40
7		15.7796	1.394		4789620	0.05	BB		4.25
8		0.0833	1.700		25296	0.06	BB	?	7.20
9		0.0799	1.957		24245	0.07	BB	?	7.20
10		0.0655	2.291		19888	0.08	BB	?	14.90
11		0.0971	2.466		29467	0.08	BB	?	11.90
12		8.8401	2.791		2683250	0.09	BB	?	5.15
13		0.0100	3.008		3036	0.10	BB	?	1.80
14		0.3507	3.417		106454	0.12	BB	?	14.45
15		0.9288	3.897		281922	0.13	BB	?	14.80
16		0.4087	4.521		124054	0.15	BB	?	29.80
17		71.9279	5.353		21832500	0.18	BB	?	20.55
18		0.0912	6.831		27669	0.23	T	?	15.70
19		0.1589	8.401		48227	0.28	T	?	52.15
20		0.2127	9.080		64562	0.31	T	?	26.80
21		0.1513	10.215		45935	0.35	T		22.70
22		0.0806	10.970		24465	0.37	T		25.20
23		0.0876	11.331		26589	0.38	T	?	41.00
24		0.0269	13.486		8168	0.46	BB		22.15
25		0.1282	14.994		38927	0.51	BB		34.90
26	DI BUT CL	0.2347	29.555	0.515	71244	1.00	BB	?	71.40
TOTALS:		100.0000		0.515	30353300				

DETECTED PKS: 26 REJECTED PKS: 0

MULTIPLIER: 1.00000

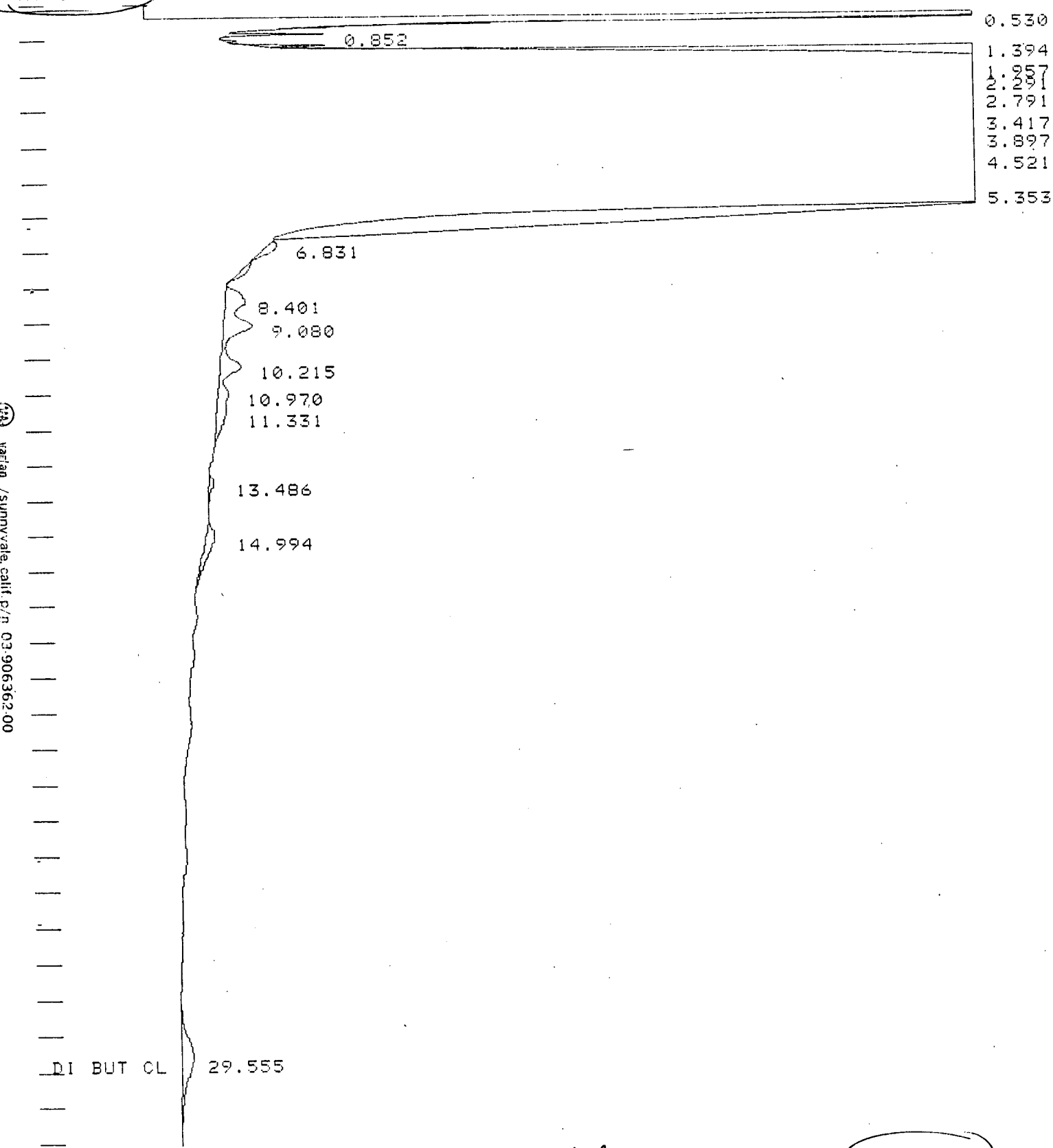
NOISE: 41.3 OFFSET: -44

ERRORS:
ADC OVERANGE

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale,calif.p/n 03-906362-00

CHART SPEED 0.7 CM/MIN
ATTEN: 64 ZERO: 5% 1 MIN/TICK



54 dil 10x

NJ 199c

varian /sunnyvale,calif.p/n 03-906362-00

54 dil 10x

(N5199c)

RECALC
TITLE: PESTICIDE & PCB ANALYSIS 13:35 2 OCT 86

CHANNEL NO: 1 SAMPLE: J6-125-9 10X METHOD: PEST30

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.1077	0.530		32685	0.02	BB		1.10
2		0.0261	0.600		7922	0.02	BB		1.00
3		0.0070	0.667		2119	0.02	BB		0.90
4		0.0629	0.852		19098	0.03	BB		2.25
5		0.0082	1.032		2496	0.03	BB		3.70
6		0.0444	1.168		13473	0.04	BB		4.40
7		15.7796	1.394		4789620	0.05	BB		4.25
8		0.0833	1.700		25296	0.06	BB	?	7.20
9		0.0799	1.957		24245	0.07	BB	?	7.20
10		0.0655	2.291		19888	0.08	BB	?	14.90
11		0.0971	2.466		29467	0.08	BB	?	11.90
12		8.8401	2.791		2683250	0.09	BB	?	5.15
13		0.0100	3.008		3036	0.10	BB	?	1.80
14		0.3507	3.417		106454	0.12	BB	?	14.45
15		0.9288	3.897		281922	0.13	BB	?	14.80
16		0.4087	4.521		124054	0.15	BB	?	29.80
17		71.9279	5.353		21832500	0.18	BB	?	20.55
18		0.0912	6.831		27669	0.23	T	?	15.70
19		0.1589	8.401		48227	0.28	T	?	52.15
20		0.2127	9.080		64562	0.31	T	?	26.80
21		0.1513	10.215		45935	0.35	T		22.70
22		0.0806	10.970		24465	0.37	T		25.20
23		0.0876	11.331		26589	0.38	T	?	41.00
24		0.0269	13.486		8168	0.46	BB		22.15
25		0.1282	14.994		38927	0.51	BB		34.90
26	DI BUT CL	0.2347	29.555	0.515	71244	1.00	BB	?	71.40
TOTALS:		100.0000		0.515	30353300				

DETECTED PKS: 26 REJECTED PKS: 0

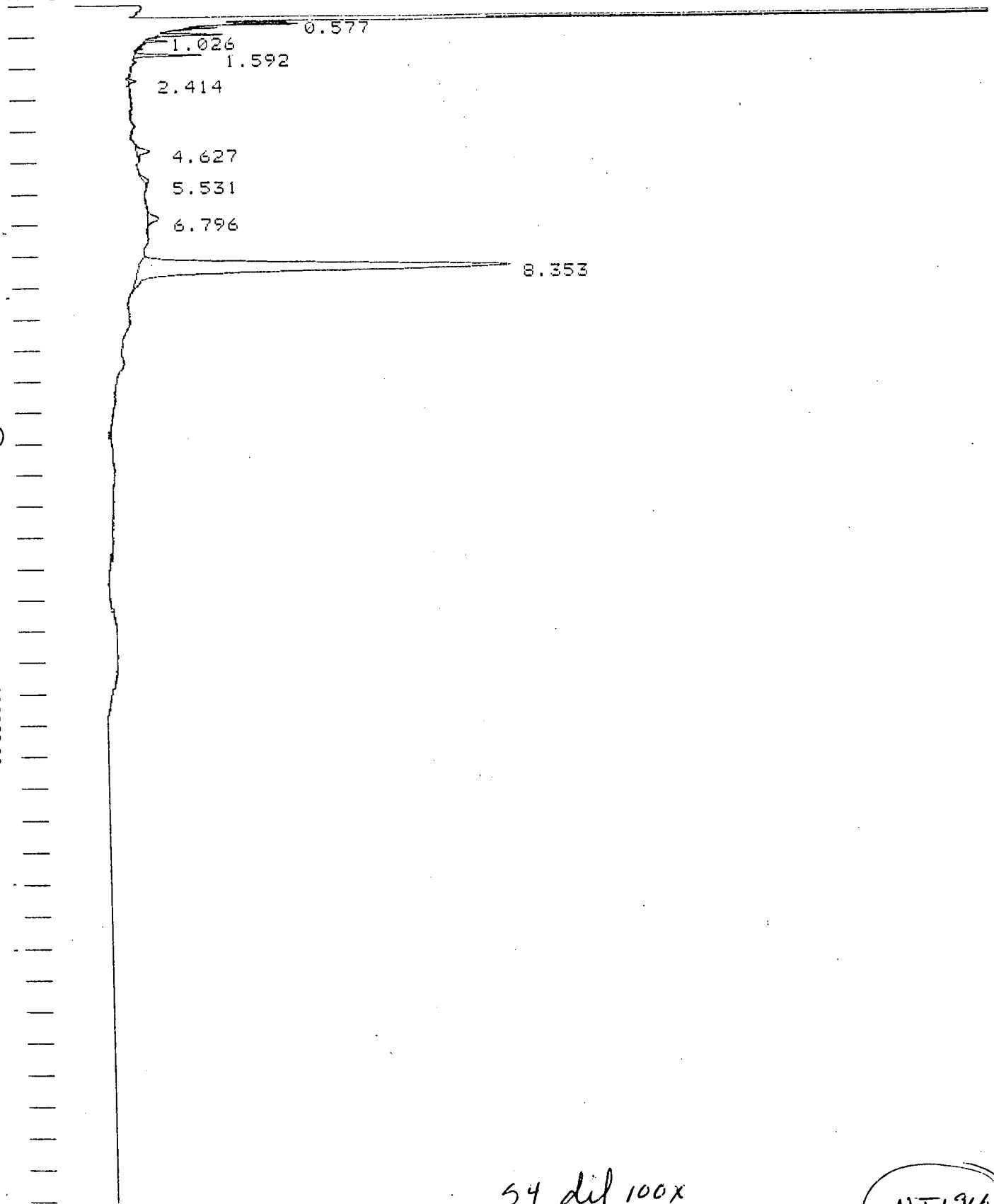
MULTIPLIER: 1.00000

NOISE: 41.3 OFFSET: -44

ERRORS:
ADC OVERANGE

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



S4 dil 100x

NJ1916

varian /sunnyvale, calif. p/n 03-906362-00

54 dil 100x (NJ1916)

TITLE: PESTICIDE & PCB ANALYSIS 19:39 2 OCT 86

CHANNEL NO: 2 SAMPLE: J6-125-9C100 METHOD: PEST7Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		1.5496	0.577		527	0.02	BB		2.80
2		0.7410	0.632		252	0.02	BB		1.30
3		0.7733	0.735		263	0.02	BB		1.65
4		2.9934	0.948		1018	0.03	BB		3.35
5		0.7675	1.146		261	0.03	BB		2.45
6		3.2198	1.592		1095	0.05	BB		3.25
7		1.7966	4.627		611	0.14	BB	?	9.85
8		0.7469	5.531		254	0.17	BB	?	5.30
9		2.1936	6.796		746	0.21	BB	?	12.40
10		85.2182	8.353		28981	0.25	BB		15.65
TOTALS:		99.9999			34008				

DETECTED PKS: 15 REJECTED PKS: 5

MULTIPLIER: 1.00000

NOISE: 12.1 OFFSET: -89

RACK: 6 VIAL: 12 INJ: 1

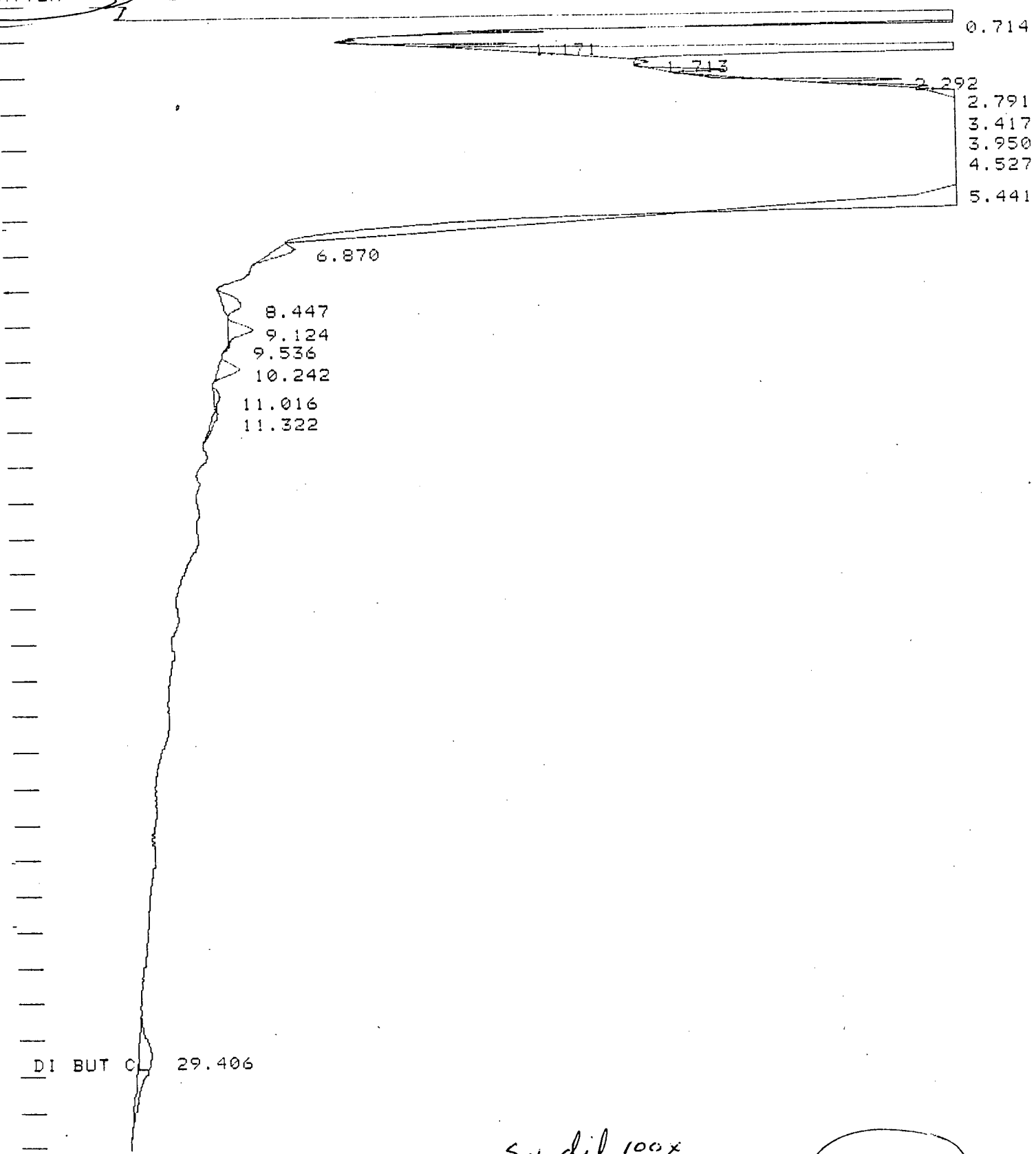
SAVED FILE: PEST7Q011

ERRORS:
REL RETEN PEAK NOT FOUND

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 30ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

CHART SPEED 0.7 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



S4 dil 100x

NJ197C

varian /sunnyvale, calif p/n 03-906362-00

54 dil 100x (NJ197C)

TITLE: PESTICIDE & PCB ANALYSIS 11:17 2 OCT 86

CHANNEL NO: 1 SAMPLE: J6-125-9C100 METHOD: PEST3C 001094

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE		W1/2 (SEC)
1		0.0894	0.714		3553	0.02	BB		1.60
2		0.0315	0.850		1253	0.03	BB		1.85
3		0.0353	1.171		1404	0.04	BB	?	3.30
4		5.7413	1.390		228055	0.05	BB		3.80
5		0.0385	1.957		1529	0.07	T	?	7.20
6		0.0446	2.292		1772	0.08	BB	?	7.40
7		0.0260	2.492		1033	0.08	BB	?	13.90
8		6.4675	2.791		256901	0.09	BB		6.85
9		0.1235	3.417		4906	0.12	BB	?	14.50
10		0.3807	3.950		15124	0.13	BB	?	14.40
11		0.2113	4.527		8392	0.15	BB	?	29.30
12		86.4230	5.441		3432860	0.19	BB		11.45
13		0.0468	6.870		1858	0.23	T		11.30
14		0.0597	8.447		2370	0.29	BB	?	40.80
15		0.0590	9.124		2343	0.31	BB		26.30
16		0.0555	10.242		2206	0.35	BB		20.95
17		0.0147	11.016		582	0.38	BB		23.20
18		0.0176	11.322		698	0.38	BB	?	50.80
19	DI BUT CL	0.1340	29.406	0.386	5322	1.00	BB		59.20
TOTALS:		99.9999		0.386	3972160				

DETECTED PKS: 23 REJECTED PKS: 4

MULTIPLIER: 1.00000

NOISE: 20.6 OFFSET: -11

RACK: 1 VIAL: 2 INJ: 1

SAVED FILE: PEST3C049

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
LENGTH: 2.0 M;OD:1/4";ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED: 3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian / sunnyvale, calif p/n 03-906362-00

TITLE: PESTICIDE & PCB ANALYSIS 10:17 8 OCT 86

CHANNEL NO: 2 SAMPLE: A1 METHOD: PEST4Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		0.1523	0.963		530	0.03	BB	3.30
2		0.1505	1.159		524	0.03	BB	3.25
3		0.2241	1.454		780	0.04	BB	3.35
4	α BHC	3.3102	2.363		11522	0.07	BB	4.85
5	Lindane	6.7204	3.011		23392	0.09	BB	6.30
6	Hept Cl	6.6569	3.709		23171	0.11	BB	8.30
7	β BHC	5.6970	4.041		19830	0.12	BB	8.35
8	Aldrin	6.1791	4.495		21508	0.13	BB	9.85
9	Hept Cl Ep	1.3813	6.827		4808	0.20	BB	? 15.80
10	Endo I	6.8186	8.613		23734	0.25	BB	18.20
11	Dieldrin	12.4364	10.567		43288	0.31	BB	22.55
12		0.6303	12.841		2194	0.38	BB	? 27.95
13	Endo II	14.3196	15.622		49843	0.46	BB	? 33.30
14	4,4' DDT	6.9758	18.562		24281	0.54	BB	42.65
15	End Ald	8.3585	20.524		29094	0.60	BB	51.65
16	End sulf	6.7121	25.073		23363	0.74	BB	58.20
17	DI BUT CL	13.2767	34.043	0.983	46213	1.00	BB	78.10
TOTALS:		99.9998		0.983	348075			

DETECTED PKS: 25 REJECTED PKS: 8

MULTIPLIER: 1.00000

NOISE: 18.2 OFFSET: -10

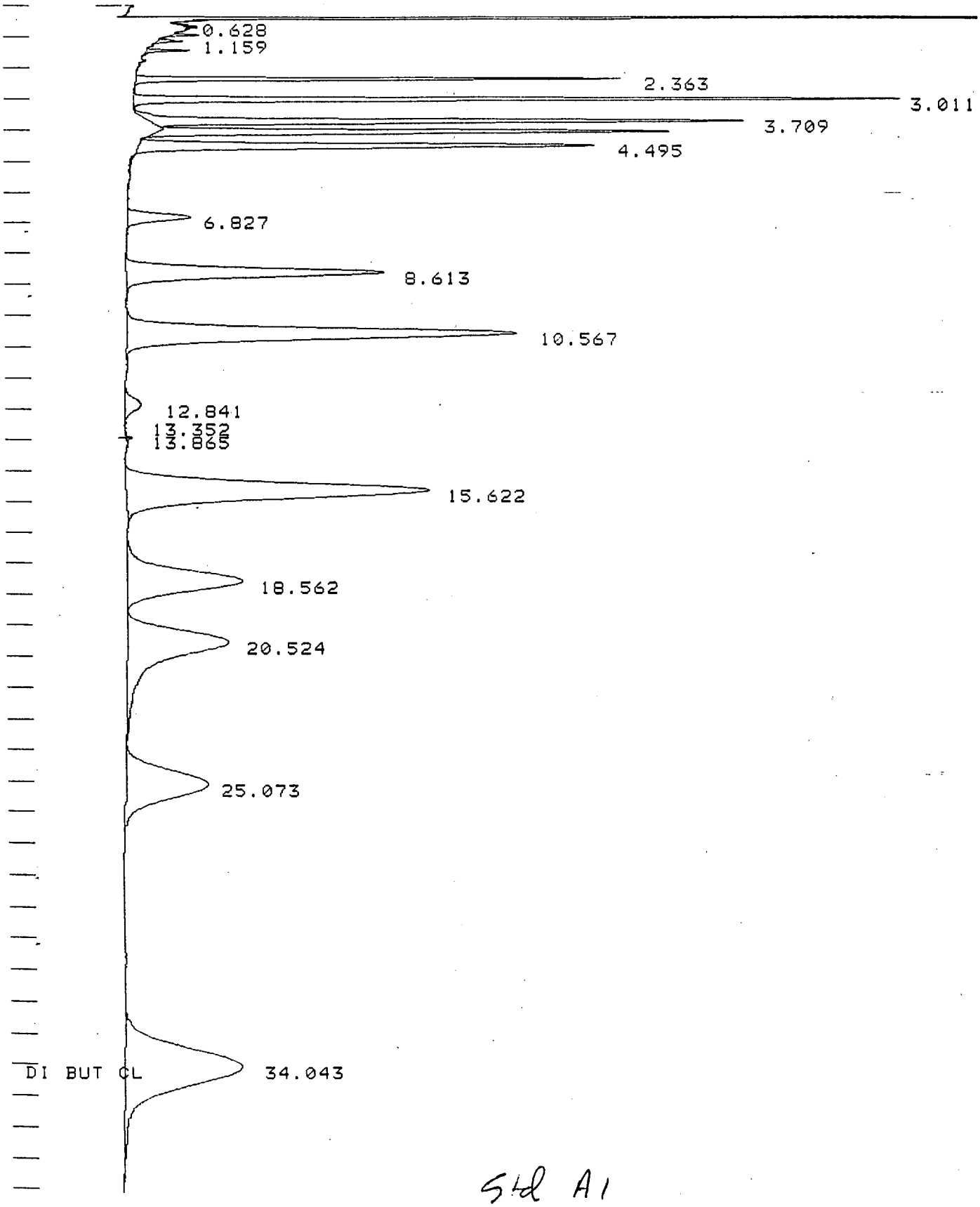
RACK: 3 VIAL: 2 INJ: 1

SAVED FILE: PEST4Q016

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale calif p/n 03-906362-00

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Std A1

TITLE: PESTICIDE & PCB ANALYSIS 11:42 8 OCT 86

CHANNEL NO: 2 SAMPLE: A2 METHOD: PEST4Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		0.0710	0.967		513	0.03	BB	4.00
2		0.0752	1.161		543	0.03	BB	3.15
3		0.1259	1.461		910	0.04	BB	3.50
4	α BHC	3.3683	2.370		24338	0.07	BB	5.00
5	Lindane	6.6507	3.018		48055	0.09	BB	6.70
6	Hept Cl	6.6399	3.716		47977	0.11	BB	? 8.70
7	β BHC	5.9553	4.050		43030	0.12	BB	? 8.80
8	Aldrin	6.3101	4.506		45594	0.13	BB	10.45
9	Hept Cl Ep	1.2337	6.833		8914	0.20	BB	? 16.00
10	Endo I	6.7435	8.616		48725	0.25	BB	18.90
11	Dieldrin	12.8408	10.569		92781	0.31	BB	23.20
12	Endo II	14.5226	15.638		104933	0.46	BB	? 34.95
13	4,4'-DDT	7.5679	18.590		54682	0.55	BB	38.40
14	End ald	7.9860	20.544		57703	0.60	BB	46.25
15	End sulf	6.6243	25.081		47864	0.74	BB	54.10
16	DI BUT CL	13.2847	34.076	1.016	95989	1.00	BB	70.10
TOTALS:		99.9999		1.016	722551			

DETECTED PKS: 23 REJECTED PKS: 7

MULTIPLIER: 1.00000

NOISE: 18.2 OFFSET: -42

RACK: 3 VIAL: 4 INJ: 1

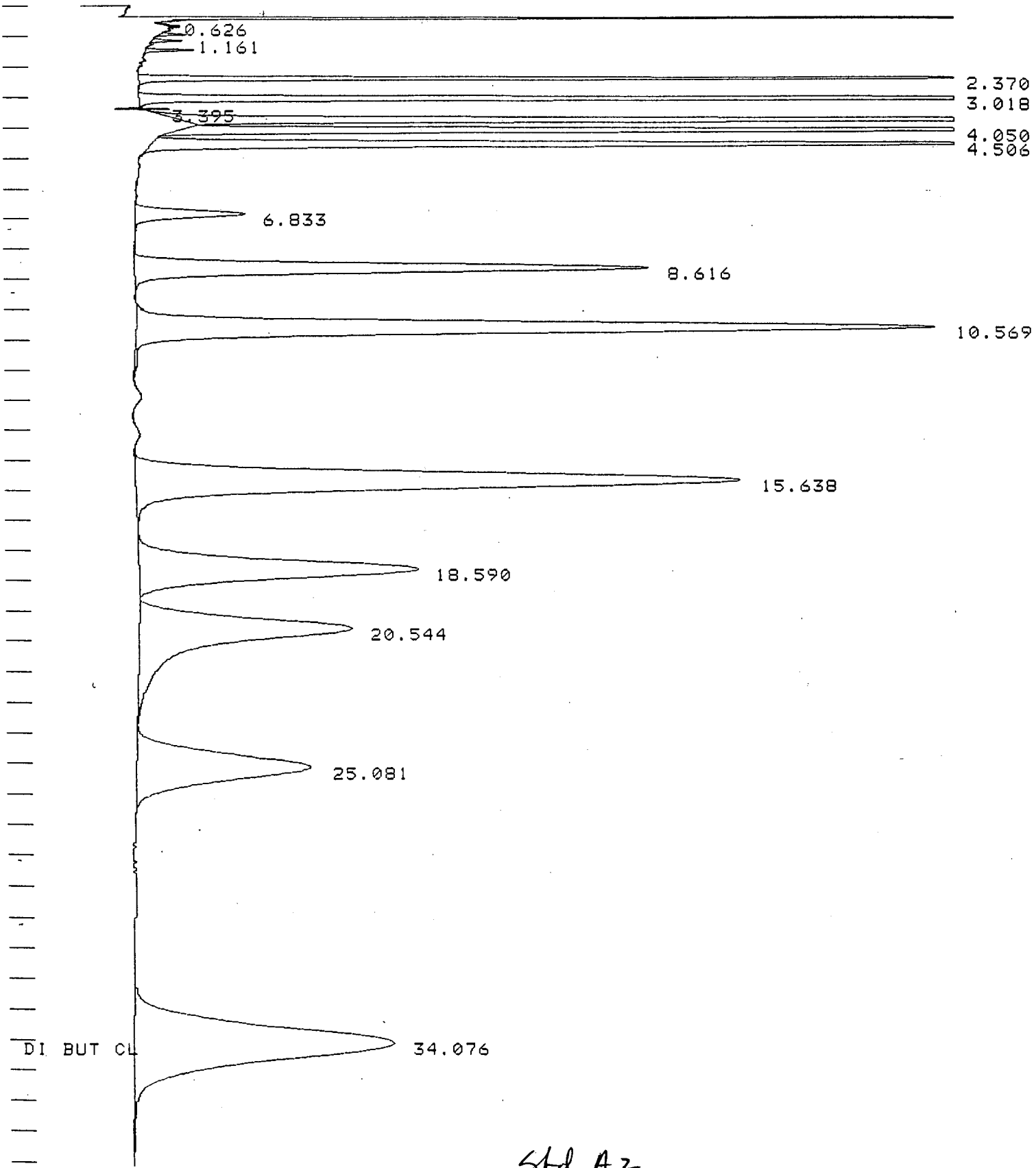
SAVED FILE: PEST4Q018

NOTES:
*****NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

1298

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Std A2

TITLE: PESTICIDE & PCB ANALYSIS 13:06 8 OCT 86

CHANNEL NO: 2 SAMPLE: A4 METHOD: PEST4Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		0.0391	0.965		502	0.03	BB	3.45
2		0.0404	1.159		519	0.03	BB	3.50
3		0.0454	1.297		583	0.04	BB	? 5.30
4		0.1137	1.459		1460	0.04	BB	4.60
5	α BHC	3.3715	2.369		43295	0.07	BB	5.30
6	Lindane	6.4204	3.019		82448	0.09	BB	6.95
7	Hept Cl	6.4257	3.718		82516	0.11	BB	? 8.95
8	β BHC	5.9456	4.055		76351	0.12	BB	9.05
9	Aldrin	6.1957	4.509		79563	0.13	BB	10.60
10	Hept Cl Ep	1.2343	6.845		15851	0.20	BB	14.20
11	Endo I	6.6879	8.635		85883	0.25	BB	19.45
12	Dieldrin	12.4705	10.586		160141	0.31	BB	24.20
13		0.1536	12.861		1973	0.38	BB	27.20
14		0.1046	14.136		1343	0.41	BB	32.25
15	Endo II	14.1528	15.660		181745	0.46	BB	35.15
16	4,4'-DDT	8.0252	18.605		103056	0.55	BB	40.30
17	End Ald	7.9486	20.551		102073	0.60	BB	49.05
18	End Sulf	6.9648	25.089		89439	0.74	BB	53.60
19		0.0204	29.230		262	0.86	BB	35.20
20		0.1821	30.905		2339	0.91	BB	9.40
21		0.0660	31.517		847	0.93	BB	? 9.60
22	DI BUT CL	13.2846	34.086	1.026	170595	1.00	VV	74.35
23		0.0359	36.305		461	1.07	T	? 20.00
24		0.0712	37.578		914	1.10	T	? 37.60
TOTALS:		100.0000		1.026	1284160			

DETECTED PKS: 29 REJECTED PKS: 5

MULTIPLIER: 1.00000

NOISE: 18.2 OFFSET: -52

RACK: 3 VIAL: 6 INJ: 1

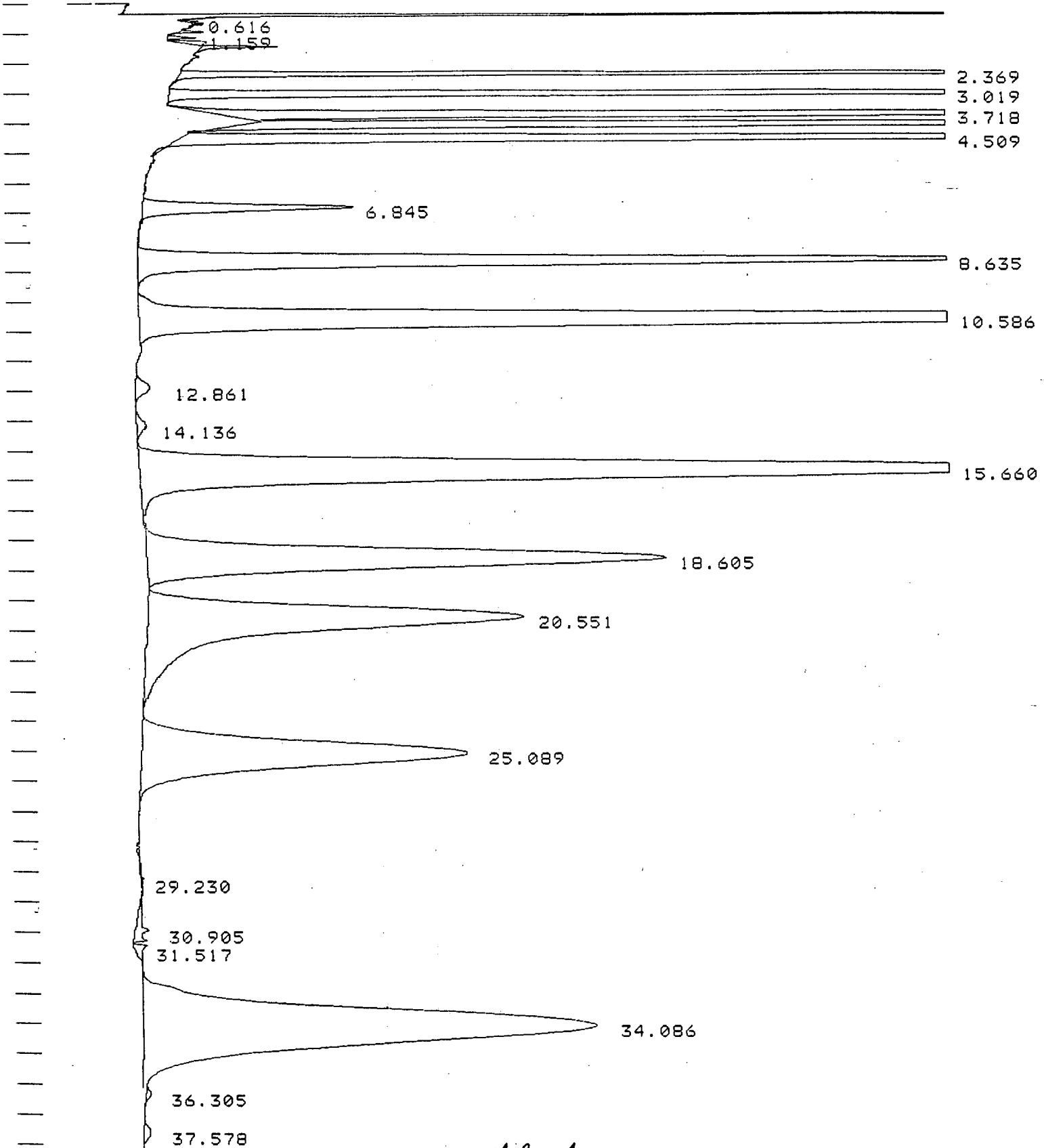
SAVED FILE: PEST4Q020

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale,calif.p/n 03-906362-00

001390

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Std A4

TITLE: PESTICIDE & PCB ANALYSIS 14:30 8 OCT 86 301

CHANNEL NO: 2 SAMPLE: A5 METHOD: PEST4Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		0.0070	0.607		446	0.02	BB	1.60
2		0.0082	0.964		518	0.03	BB	3.05
3		0.0784	1.461		4972	0.04	BB	3.15
4		0.0066	1.797		421	0.05	BB	3.95
5	α BHC	3.2685	2.369		207301	0.07	BB	5.40
6	Lindane	6.1381	3.017		389302	0.09	BB	6.60
7	Hept Cl	5.7924	3.717		367376	0.11	BB	8.90
8	β BHC	5.5575	4.049		352478	0.12	BB	9.20
9	Aldrin	5.7639	4.502		365565	0.13	BB	10.95
10		0.0109	5.213		691	0.15	T	? 12.00
11		0.0257	5.491		1632	0.16	T	? 18.65
12		0.0048	6.205		307	0.18	BB	8.40
13	Hept Cl Ep	1.4721	6.838		93366	0.20	BB	15.50
14	Endo I	6.4825	8.623		411145	0.25	BB	20.90
15	Dieldrin	11.9866	10.572		760229	0.31	BB	25.40
16		0.1316	12.853		8349	0.38	T	? 30.10
17		0.1015	14.122		6436	0.41	T	34.35
18	Endo II	13.4097	15.645		850492	0.46	BB	37.40
19	4,4'-DDT	9.4748	18.588		600927	0.55	BB	44.00
20	End Ald	8.6426	20.538		548146	0.60	BB	53.70
21	End Sulf	7.7008	25.087		488409	0.74	BB	? 58.35
22	DI BUT CL	13.9355	34.059	0.999	883836	1.00	BB	80.20
TOTALS:		99.9997		0.999	6342340			

DETECTED PKS: 30 REJECTED PKS: 8

MULTIPLIER: 1.00000

NOISE: 18.2 OFFSET: -59

RACK: 3 VIAL: 8 INJ: 1

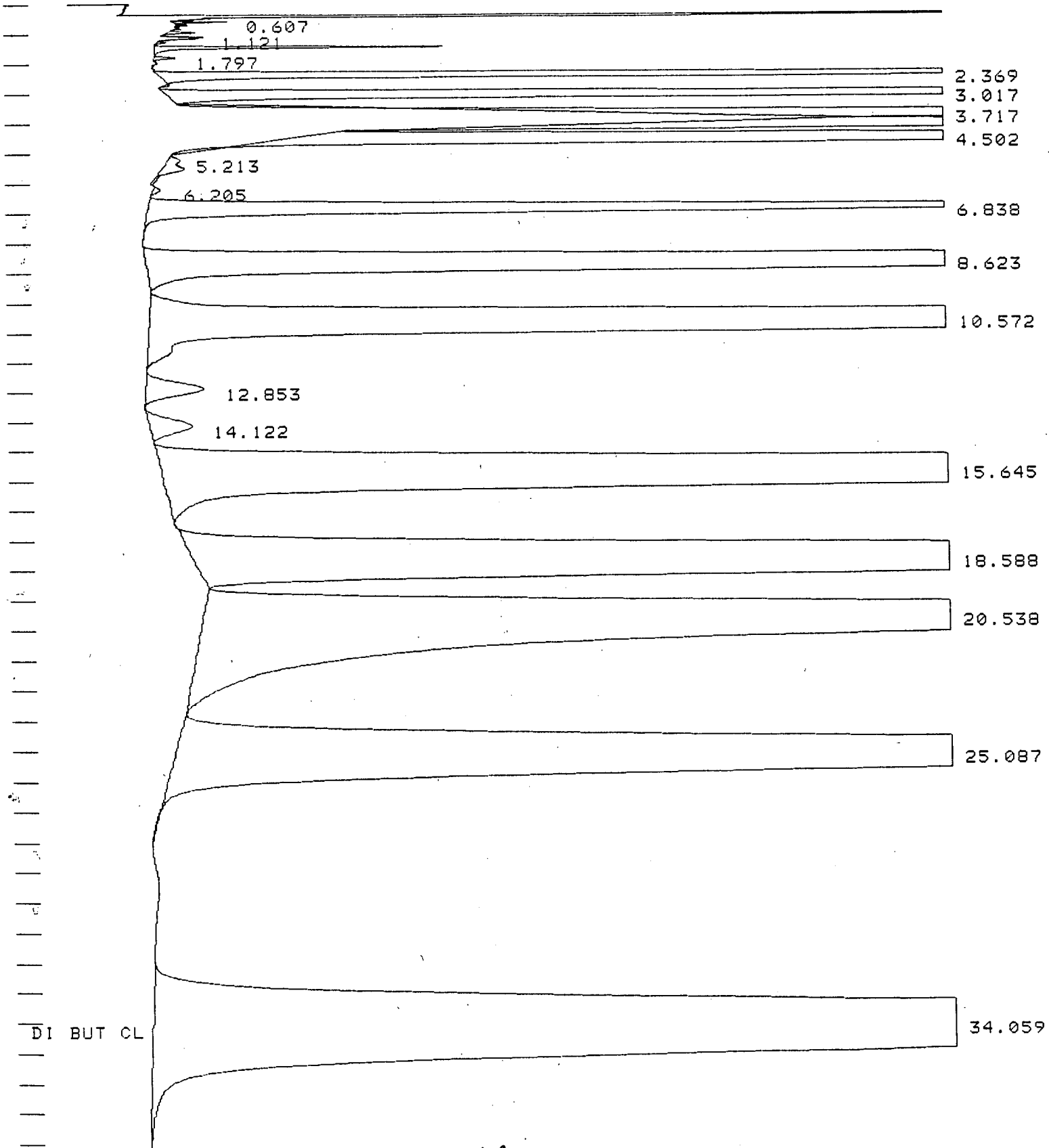
SAVED FILE: PEST4Q022

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; ID:2MM; GLASS
INJ @ 200°C;DET @ 250°C; ECD RANGE: 10
OVEN: 192°C ISOTHERMAL; UL INJECTED:3.0
GC: VARIAN 3700 #2; MODEL #371116-00
CARRIER GAS: 95%AR+5%ME @ 22ML/MIN
ANALYST: S. EASTER

varian /sunnyvale, calif. p/n 03-906362-00

001302

CHART SPEED 0.6 CM/MIN
ATTEN: 4 ZERO: 5% 1 MIN/TICK



Std A5