182416

000510

SAMPLE DATA

GW-1

ORGANICS ANALYSIS DATA SHEET
(PAGE 1)

000511 SAMPLE NUMBER

Laboratory Name:NANCO LABORATORY INC.
Lab Sample ID No:>P3273
Sample Matrix: WATER
Data Release Authorized By: Sohail Jafarni

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

GW-1

VOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 09/22/86
Date Analyzed: 09/22/86
Conc/Dil Factor: 1 pH: 11.8
Percent Moisture: N/A

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	1.9 JB	124-48-1	Dibromochloromethane	5.0 U
67-64-1	Acetone	230.0	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	1.6 J
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	190.0
75-27-4	Bromodichloromethane	5.0 U	100-42-5	Styrene	5.0 U
				Total Xylenes	890.0

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)

000512

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

SAMPLE NO.
GW-1

SEMIVOLATILE COMPOUNDS

Concentration: Low Medium (Circle One)
Date Extracted/Prepared: 9/23/86
Date Analyzed: 10/09/86
Conc/Dil Factor:----------> 1
Percent Moisture: N/A

GPC Cleanup: Yes____ No X
Separatory Funnel Extraction: Yes X
Continuous Liquid - Liquid Extraction: Yes___

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	10.0 U
108-95-2	Phenol	11.0
62-53-3	Aniline	10.0 U
111-44-4	bis(-2-Chloroethyl)Ether	10.0 U
95-57-8	2-Chlorophenol	10.0 U
541-73-1	1,3-Dichlorobenzene	10.0 U
106-46-7	1,4-Dichlorobenzene	10.0 U
100-51-6	Benzyl Alcohol	10.0 U
95-50-1	1,2-Dichlorobenzene	10.0 U
95-48-7	2-Methylphenol	10.0 U
39638-32-9	bis(2-chloroisopropyl)Ether	10.0 U
106-44-5	4-Methylphenol	10.0 U
621-64-7	N-Nitroso-Di-n-Propylamine	10.0 U
67-72-1	Hexachloroethane	10.0 U
98-95-3	Nitrobenzene	10.0 U
78-59-1	Isophorone	10.0 U
88-75-5	2-Nitrophenol	10.0 U
105-67-9	2,4-Dimethylphenol	22.0
65-85-0	Benzoic Acid	50.0 U
111-91-1	bis(-2-Chloroethoxy)Methane	10.0 U
120-83-2	2,4-Dichlorophenol	10.0 U
120-82-1	1,2,4-Trichlorobenzene	10.0 U
91-20-3	Naphthalene	10.0 U
106-47-8	4-Chloroaniline	10.0 U
87-68-3	Hexachlorobutadiene	10.0 U
59-50-7	4-Chloro-3-Methylphenol	10.0 U
91-57-6	2-Methylnaphthalene	10.0 U
77-47-4	Hexachlorocyclopentadiene	10.0 U
88-06-2	2,4,6-Trichlorophenol	10.0 U
95-95-4	2,4,5-Trichlorophenol	50.0 U
91-58-7	2-Chloronaphthalene	10.0 U
88-74-4	2-Nitroaniline	50.0 U
131-11-3	Dimethyl Phthalate	10.0 U
208-96-8	Acenaphthylene	10.0 U
99-09-2	3-Nitroaniline	50.0 U

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	10.0 U
51-28-5	2,4-Dinitrophenol	50.0 U
100-02-7	4-Nitrophenol	50.0 U
132-64-9	Dibenzofuran	10.0 U
121-14-2	2,4-Dinitrotoluene	10.0 U
606-20-2	2,6-Dinitrotoluene	10.0 U
84-66-2	Diethylphthalate	10.0 U
7005-72-3	4-Chlorophenyl-phenylether	10.0 U
86-73-7	Fluorene	10.0 U
100-01-6	4-Nitroaniline	50.0 U
534-52-1	4,6-Dinitro-2-Methylphenol	50.0 U
86-30-6	N-Nitrosodiphenylamine (1)	10.0 U
101-55-3	4-Bromophenyl-phenylether	10.0 U
118-74-1	Hexachlorobenzene	10.0 U
87-86-5	Pentachlorophenol	50.0 U
85-01-8	Phenanthrene	10.0 U
120-12-7	Anthracene	10.0 U
84-74-2	Di-n-Butylphthalate	10.0 U
206-44-0	Fluoranthene	10.0 U
92-87-5	Benzidine	80.0 U
129-00-0	Pyrene	10.0 U
85-68-7	Butylbenzylphthalate	10.0 U
91-94-1	3,3'-Dichlorobenzidine	20.0 U
56-55-3	Benzo(a)Anthracene	10.0 U
117-81-7	bis(2-Ethylhexyl)Phthalate	49.0 B
218-01-9	Chrysene	10.0 U
117-84-0	Di-n-Octyl Phthalate	4.1 J
205-99-2	Benzo(b)Fluoranthene	10.0 U
207-08-9	Benzo(k)Fluoranthene	10.0 U
50-32-8	Benzo(a)Pyrene	10.0 U
193-39-5	Indeno(1,2,3-cd)Pyrene	10.0 U
53-70-3	Dibenz(a,h)Anthracene	10.0 U
191-24-2	Benzo(g,h,i)Perylene	10.0 U

(1) - Cannot be separated from diphenylamine

ORGANICS ANALYSIS DATA SHEET

(PAGE 3)

SAMPLE NUMBER

LABORATORY NAME: NANCO LABS, INC.

CASE NO: NJ DEP

000513

GW 1

PESTICIDE/PCBs

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 9/23/86

Date Analyzed: 10/2/86

Conc/Dil Factor: -----> 1

Percent Moisture: N/A

GPC Cleanup: Yes____ No__X__

Separatory Funnel Extraction: Yes__X__

Continuous Liquid-Liquid Extraction: Yes____

CAS Number		ug/l or ug/Kg (Circle One)
319-84-6	Alpha-BHC	0.05 U
319-85-7	Beta-BHC	0.05 U
319-86-8	Delta-BHC	0.05 U
58-89-9	Gamma-BHC (Lindane)	0.05 U
76-44-8	Heptachlor	0.05 U
309-00-2	Aldrin	0.05 U
1024-57-3	Heptachlor Epoxide	0.05 U
959-98-8	Endosulfan I	0.05 U
60-57-1	Dieldrin	0.10 U
72-55-9	4,4'-DDE	0.10 U
72-20-8	Endrin	0.10 U
33213-65-9	Endosulfan II	0.10 U
72-54-8	4,4'-DDD	0.10 U
7421-93-4	Endrin Aldehyde	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U
50-29-3	4,4'-DDT	0.10 U
53494-70-5	Endrin Ketone	0.10 U
72-43-5	Methoxychlor	0.50 U
57-74-9	Chlordane	0.50 U
8001-35-2	Toxaphene	1.00 U
12674-11-2	Aroclor-1016	0.50 U
11104-28-2	Aroclor-1221	0.50 U
11141-16-5	Aroclor-1232	0.50 U
53469-21-9	Aroclor-1242	0.50 U
12672-29-6	Aroclor-1248	0.50 U
11097-69-1	Aroclor-1254	1.00 U
11096-82-5	Aroclor-1260	1.00 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 1000 or Ws _____ Vt 10000 Vi 3

FORM I

ORGANICS ANALYSIS DATA SHEET
(PAGE 4)

SAMPLE NUMBER

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

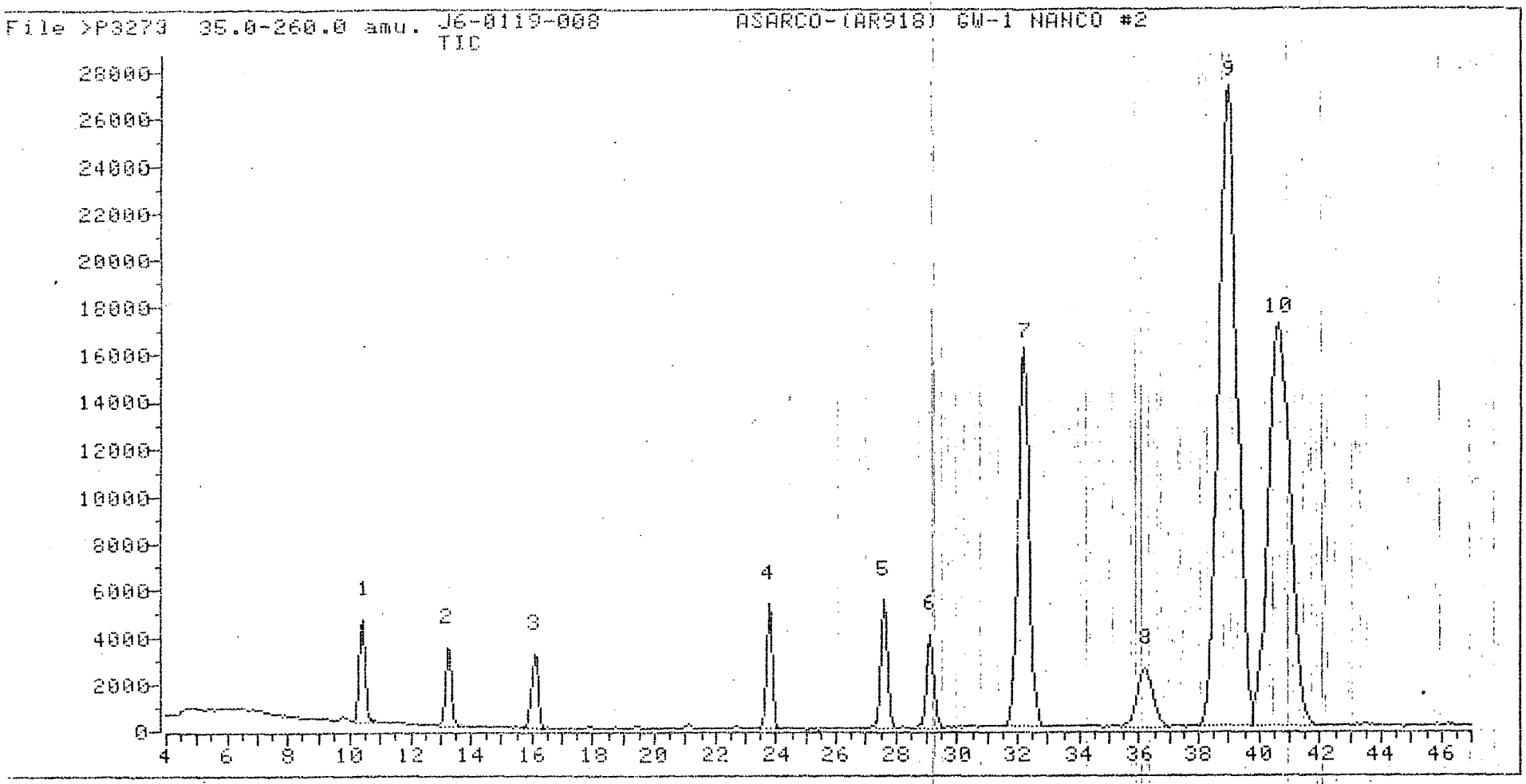
GW-1

000514

Tentatively Identified Compounds

	CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ~~ug/kg~~)	SQ
1						
2	-----	NONE FOUND	VOA	------	---------	
3						
4						
5	127184	TETRACHLOROETHENE	BNA	6.26	48.0 JB	
6	100414	ETHYL BENZENE	BNA	7.81	120.0 J	
7	-----	ISOMER OF DIMETHYL BENZENE	BNA	8.07	490.0 J	
8	-----	ISOMER OF DIMETHYL BENZENE	BNA	8.66	64.0 J	
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						

Inj 11:37 9/22/86



PK#		
2	BROMOCHLOROMETHANE	(IS)
4	1,4-DIFLUOROBENZENE	(IS)
6	CHLOROBENZENE-d5	(IS)
3	1,2-DICHLOROETHANE-d4	(SR)
5	TOLUENE-d8	(SR)
8	4-BROMOFLUOROBENZENE	(SR)

000515

QUANT REPORT

Operator ID: DALY
Output File: ^P3273::PS
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2

Quant Rev: 4
Quant Time: 860922 12:26
Injected at: 860922 11:37
Dilution Factor: 1.00

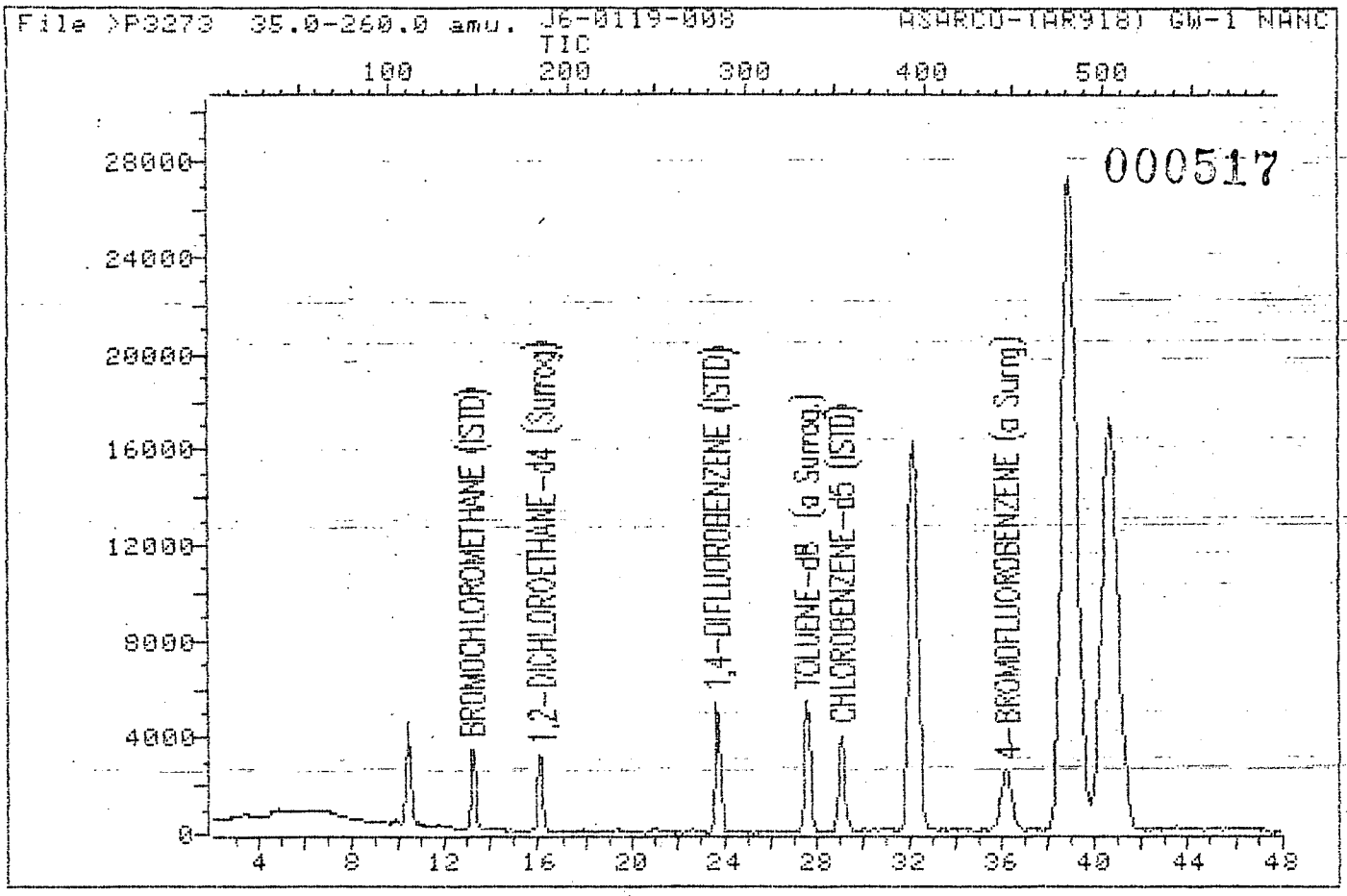
000516

ID File: IDEPA2::NA
Title: IDEPA VOA
Last Calibration: 860922 06:51

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*BROMOCHLOROMETHANE (ISTD)	13.20	146	6368	50.00	UG	83
6)	Methylene Chloride	9.82	102	525	1.87	UG	97
7)	Acetone	10.44	110	43715	232.59	UG	81
14)	*1,4-DIFLUOROBENZENE (ISTD)	23.74	283	27339	50.00	UG	96
29)	*CHLOROBENZENE-d5 (ISTD)	29.12	353	20405	50.00	UG	96
34)	Toluene	27.82	336	733	1.60	UG	89
36)	Ethylbenzene	32.20	393	45473	189.42	UG	96
38)	Total Xylenes	38.97	481	159980	523.32	UG	94
38)	Total Xylenes	40.59	502	113769	372.15	UG	94
39)	TOLUENE-d8 (a Surrog.)	27.59	333	26671	49.93	UG	98
40)	4-BROMOFLUOROBENZENE (a Surrg)	36.20	445	17603	49.87	UG	78
41)	*[BROMOCHLOROMETHANE (ISTD)]	13.20	146	6368	50.00	UG	83
42)	1,2-DICHLOROETHANE-d4 (Surrog)	16.13	184	16026	49.08	UG	96

* Compound is ISTD

TOTAL ION CHROMATOGRAM



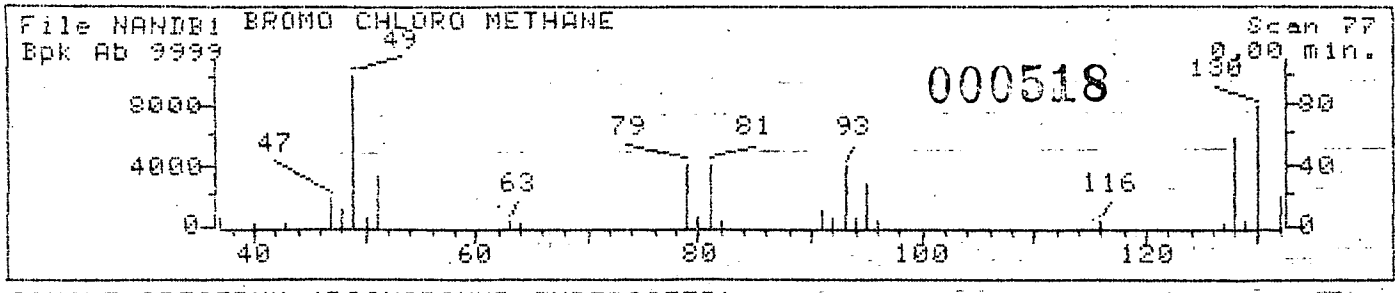
000517

Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2

Id File: IDEPA2::NA
Title: IDEPA VOA
Last Calibration: 860922 06:51

Operator ID: DALY
Quant Time: 860922 12:26
Injected at: 860922 11:37

REFERENCE STANDARD SPECTRUM



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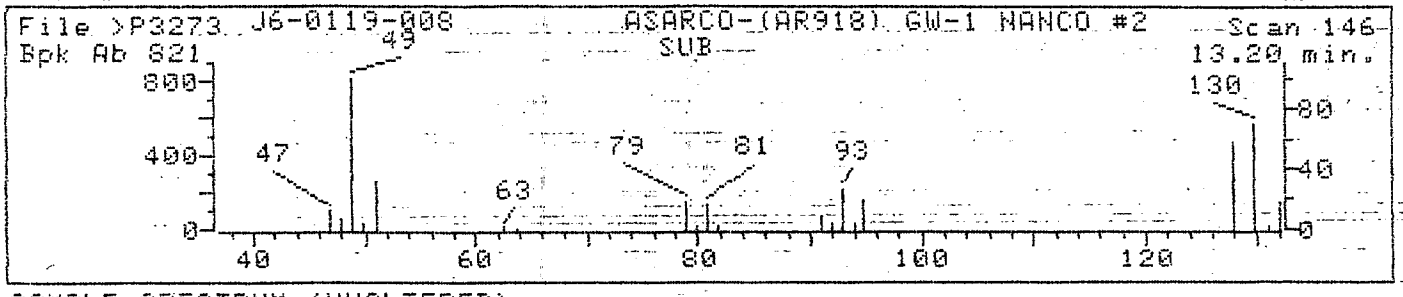

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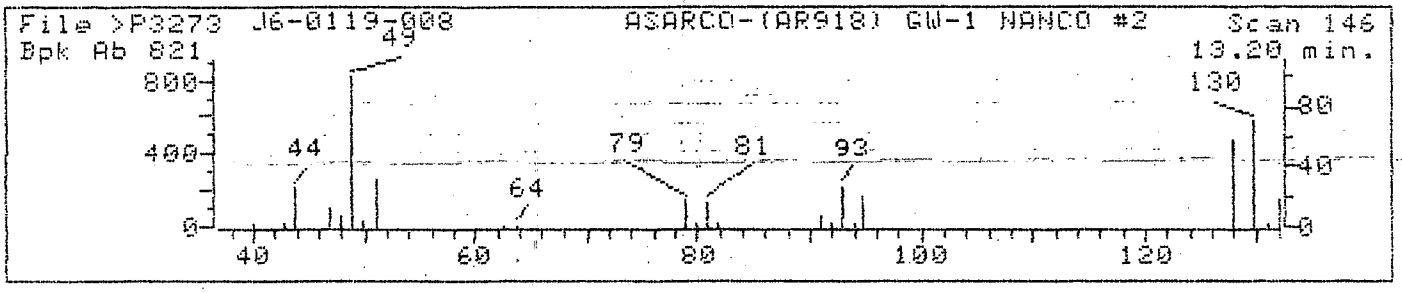


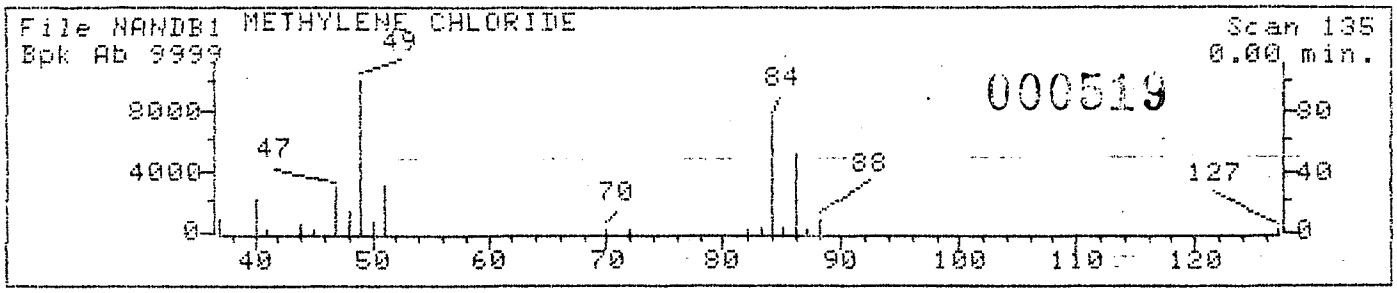
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 1 (ISTD)
Compound Name: BROMOCHLOROMETHANE (ISTD)
Scan Number: 146
Retention Time: 13.20 min.
Area: 6368
Concentration: 50.00 UG
a-value: 83

J

JD

REFERENCE STANDARD SPECTRUM



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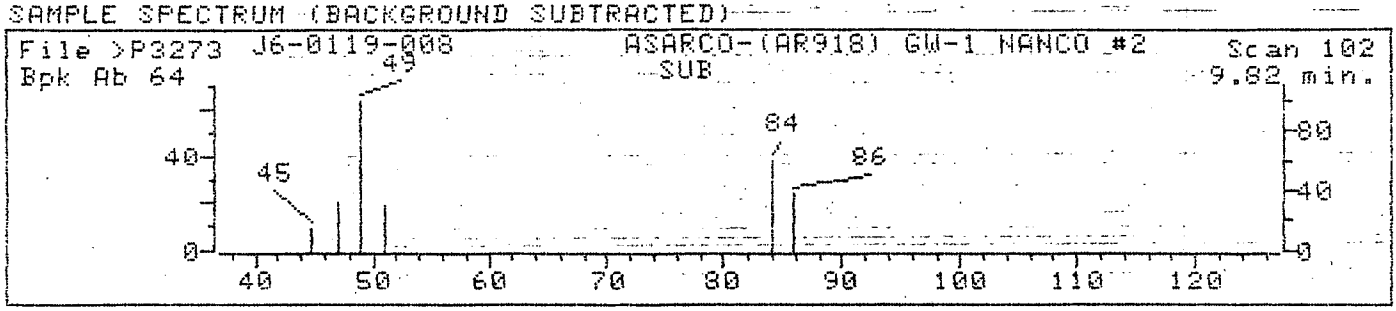

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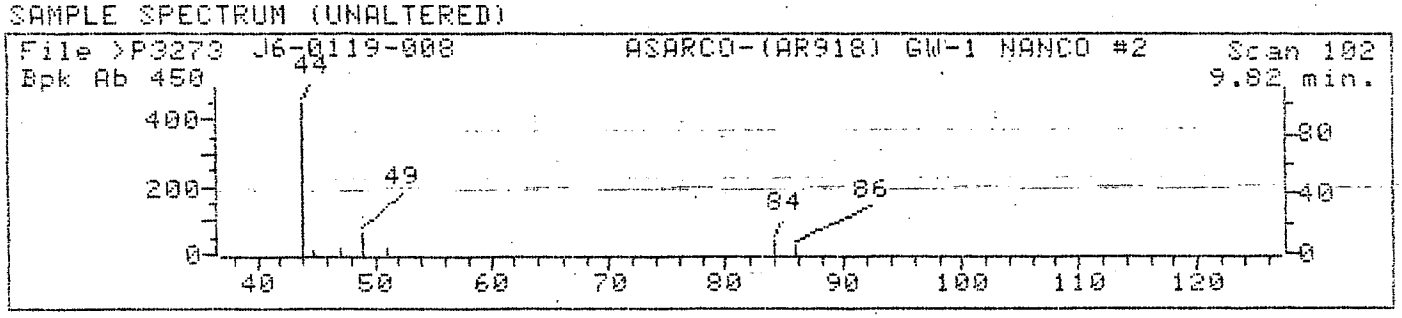


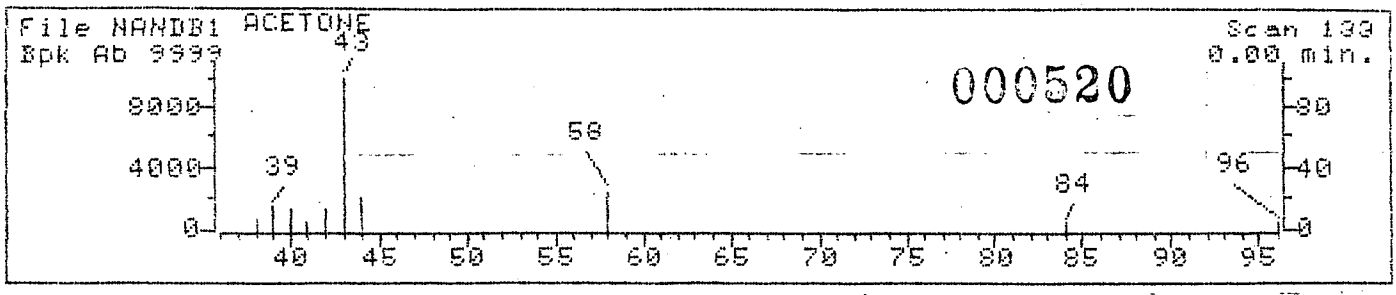
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 6
Compound Name: Methylene Chloride
Scan Number: 102
Retention Time: 9.82 min.
Area: 525
Concentration: 1.87 UG
q-value: 97

✓

ZD

REFERENCE STANDARD SPECTRUM



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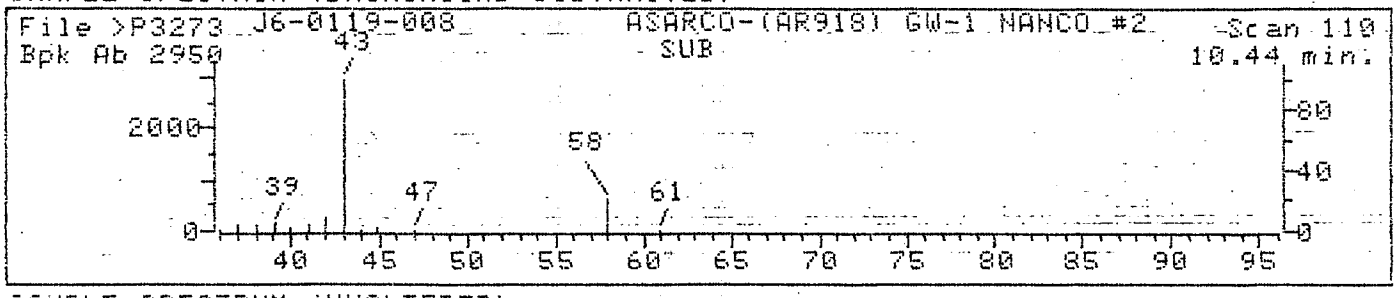

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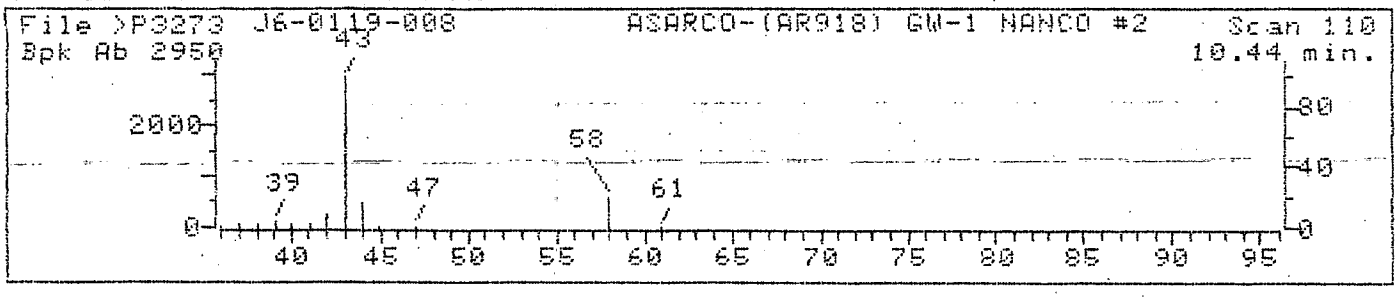
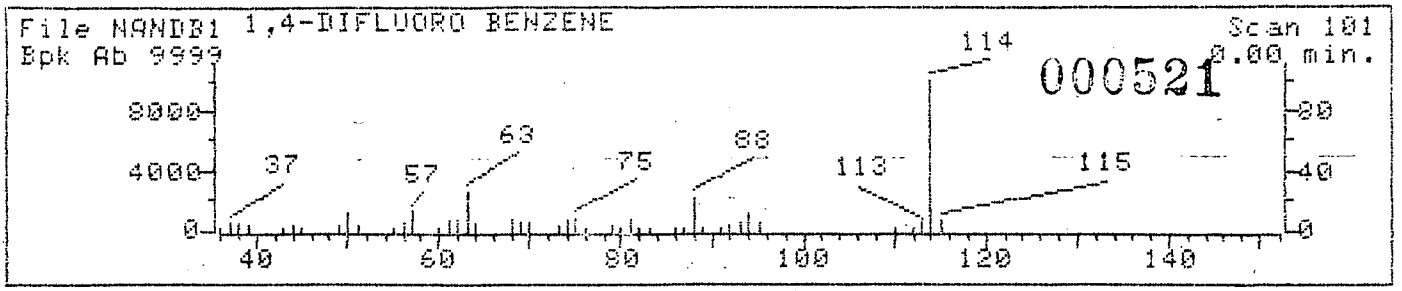


Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 7
Compound Name: Acetone
Scan Number: 110
Retention Time: 10.44 min.
Area: 43715
Concentration: 232.59 UG
q-value: 81

JD

REFERENCE STANDARD SPECTRUM



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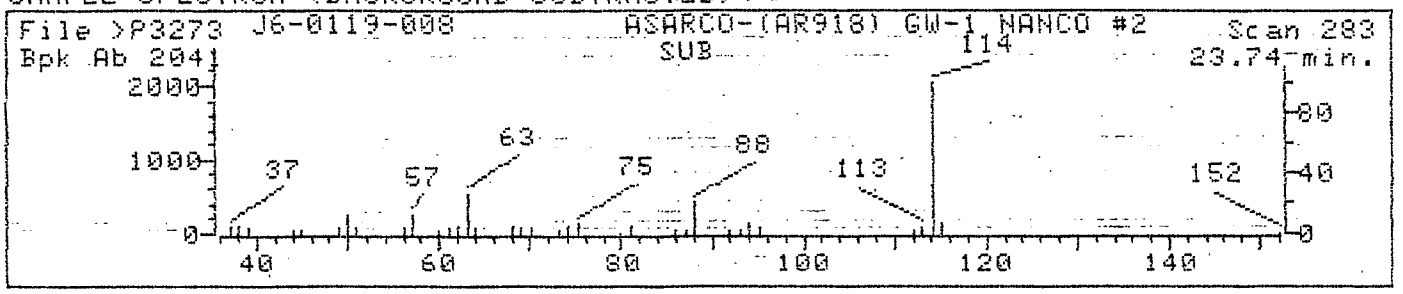
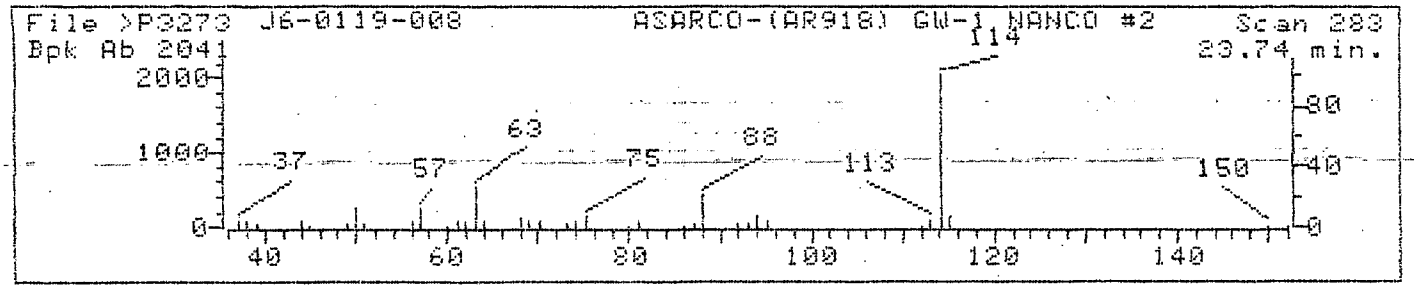


SAMPLE SPECTRUM (UNALTERED)

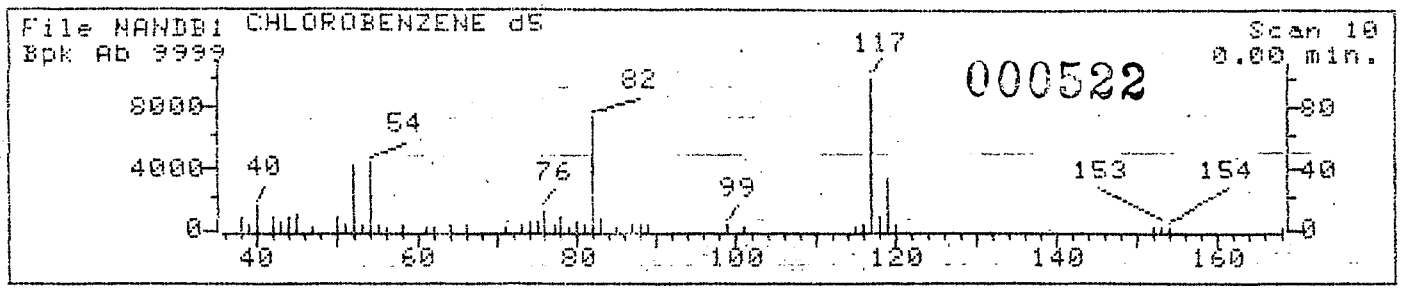


Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 14 (ISTD)
Compound Name: 1,4-DIFLUOROBENZENE (ISTD)
Scan Number: 283
Retention Time: 23.74 min.
Area: 27339
Concentration: 50.00 UG
q-value: 96

JD

REFERENCE STANDARD SPECTRUM



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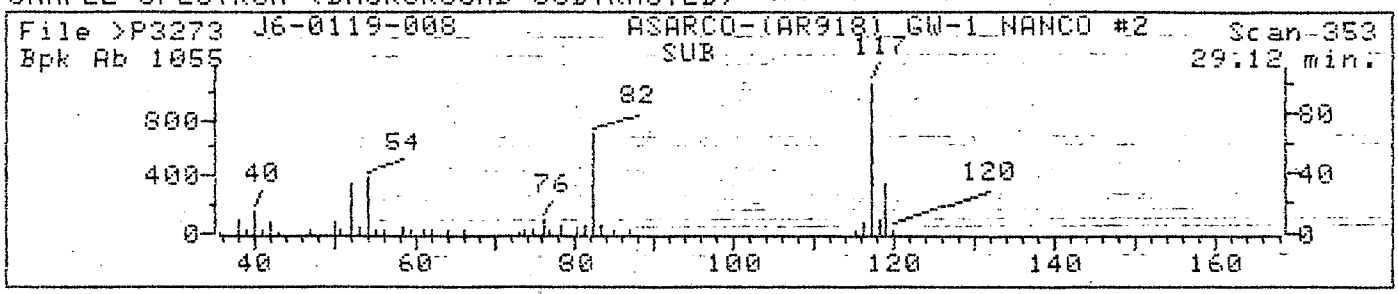

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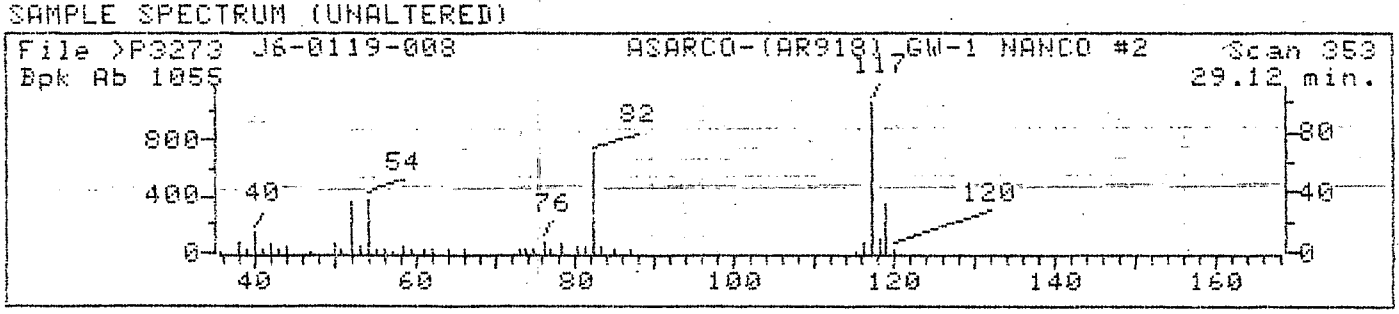
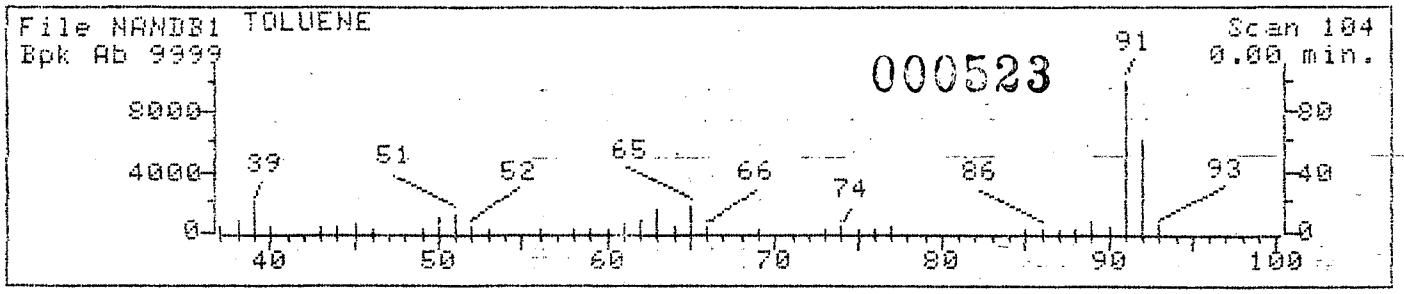


Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 29 (ISTD)
Compound Name: CHLOROBENZENE-d5 (ISTD)
Scan Number: 353
Retention Time: 29.12 min.
Area: 20405
Concentration: 50.00 UG
a-value: 96

REFERENCE STANDARD SPECTRUM



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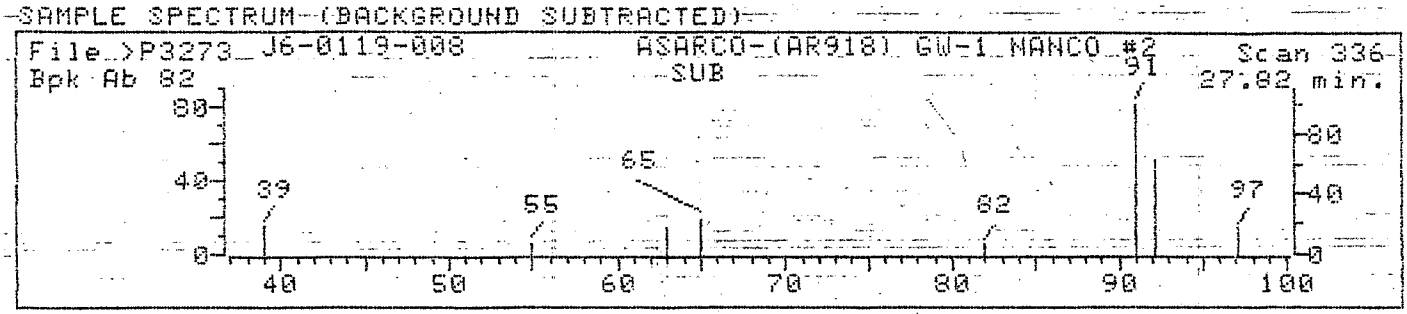
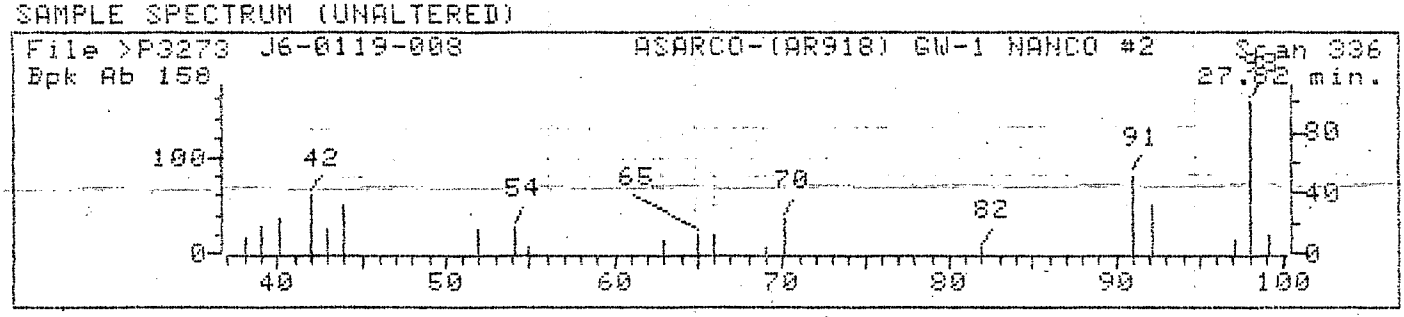


SAMPLE SPECTRUM (UNALTERED)



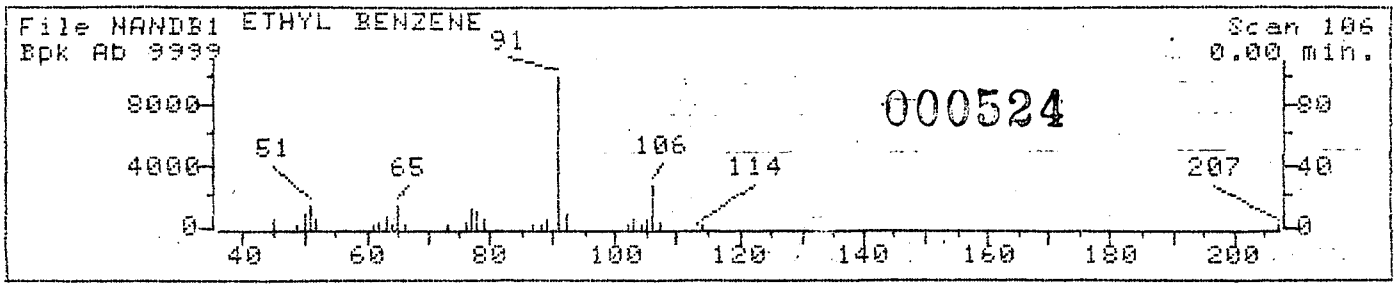
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 34
Compound Name: Toluene
Scan Number: 336
Retention Time: 27.82 min.
Area: 733
Concentration: 1.60 UG
q-value: 89

✓

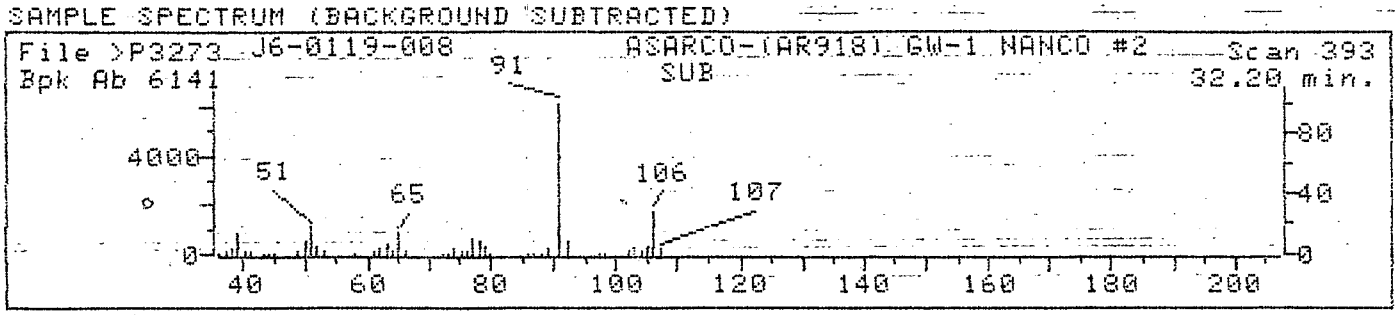
JD

REFERENCE STANDARD SPECTRUM

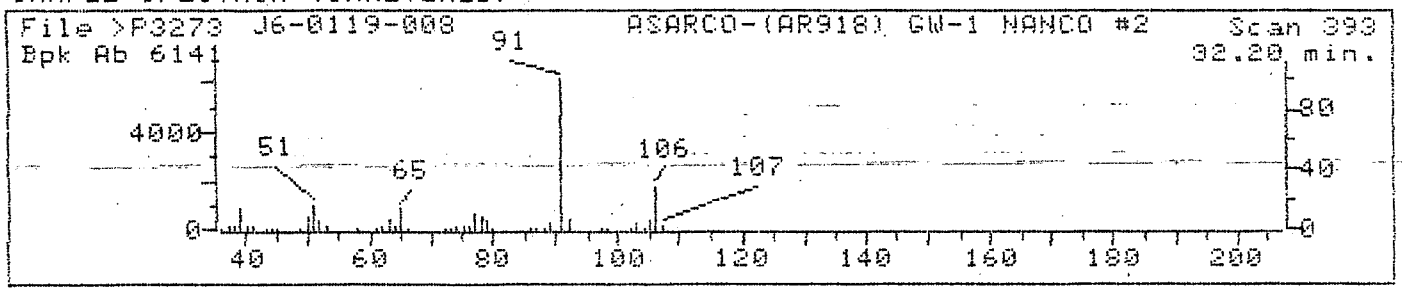


000524

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

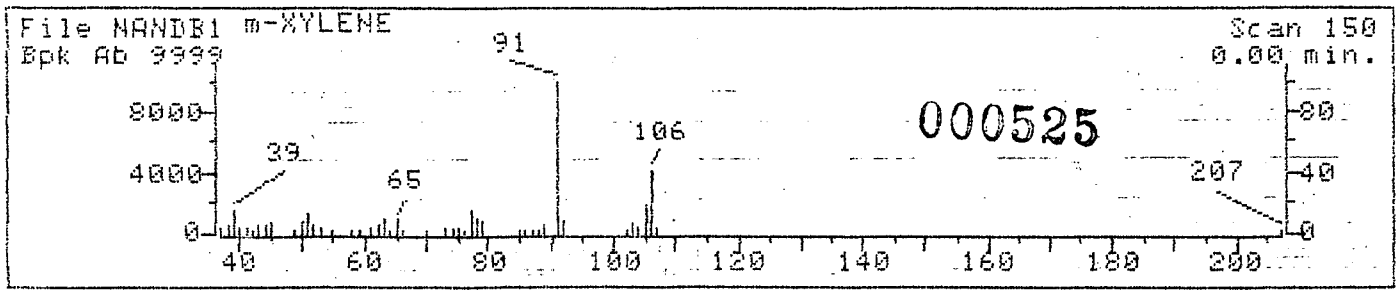


Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

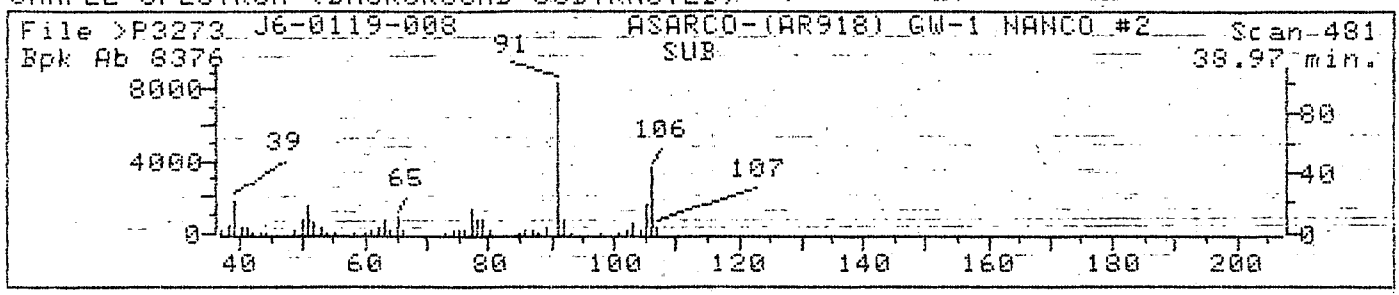
Compound No: 36
Compound Name: Ethylbenzene
Scan Number: 393
Retention Time: 32.20 min.
Area: 45473
Concentration: 189.42 UG
q-value: 96

✓
80

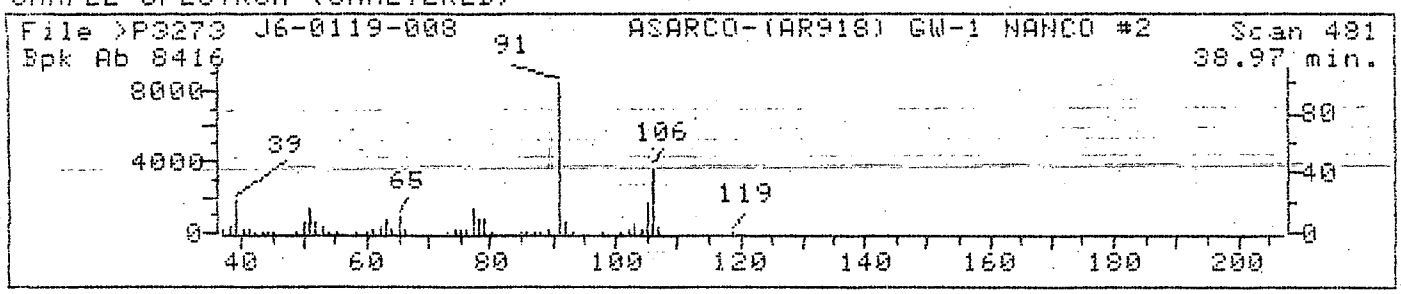
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND-SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



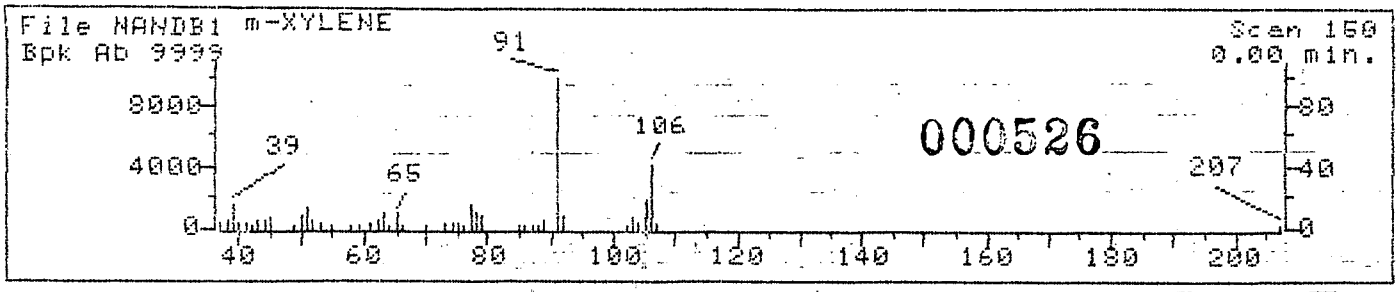
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 38
Compound Name: Total Xylenes
Scan Number: 481
Retention Time: 38.97 min.
Area: 159980
Concentration: 523.32 UG
a-value: 94

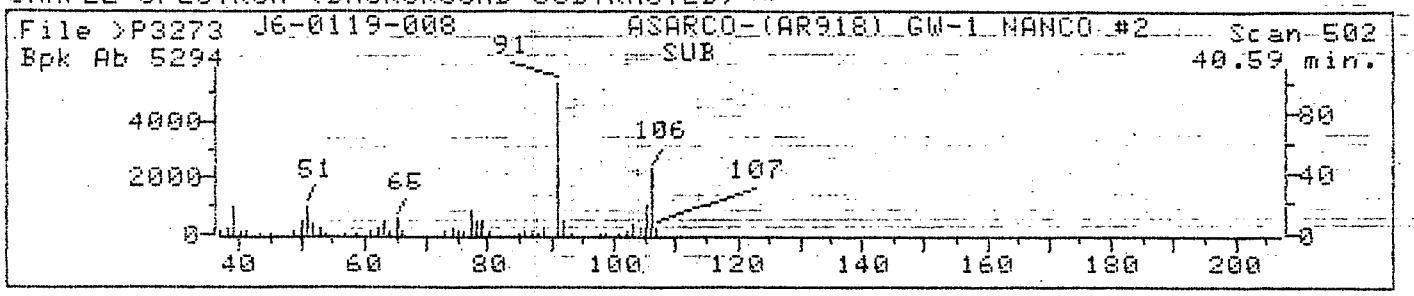
✓

00

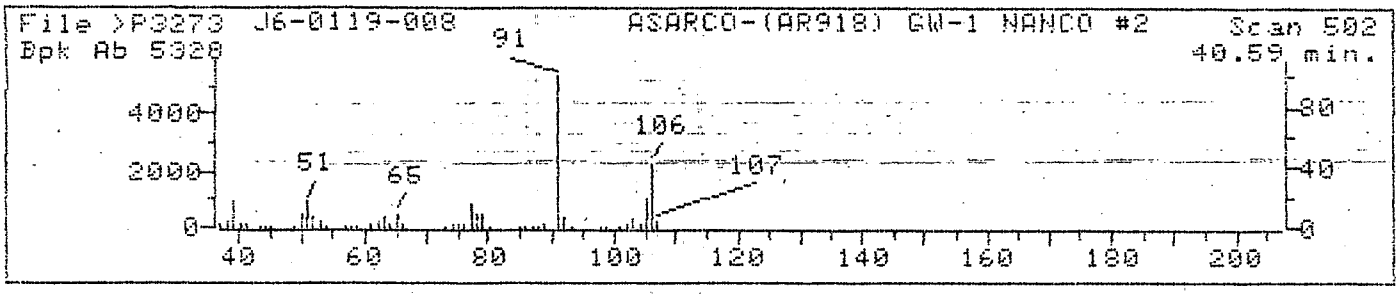
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



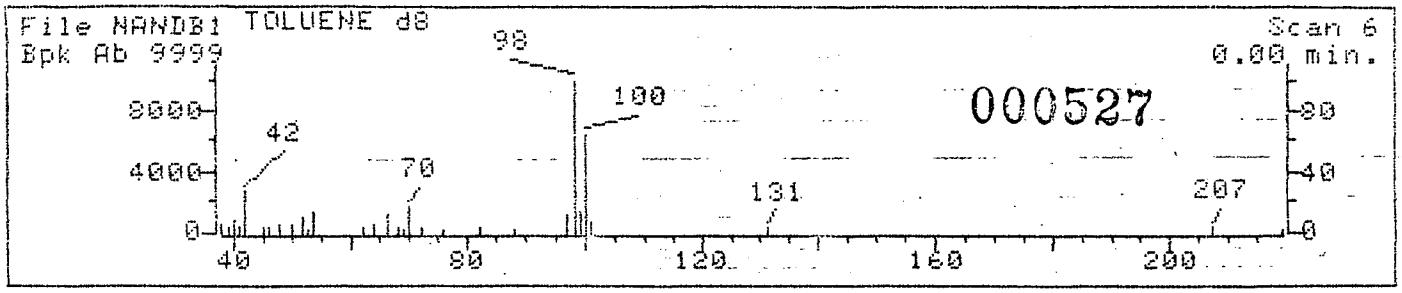
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 38
Compound Name: Total Xylenes
Scan Number: 502
Retention Time: 40.59 min.
Area: 113769
Concentration: 372.15 UG
q-value: 94

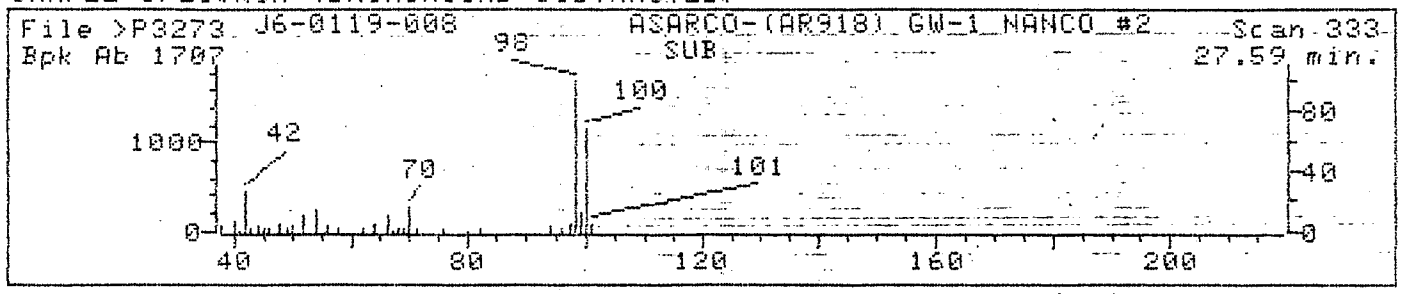
✓

JD

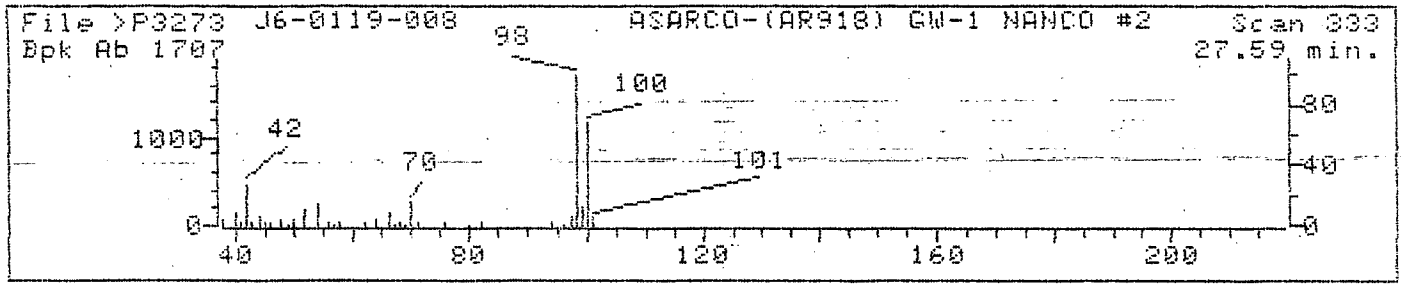
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



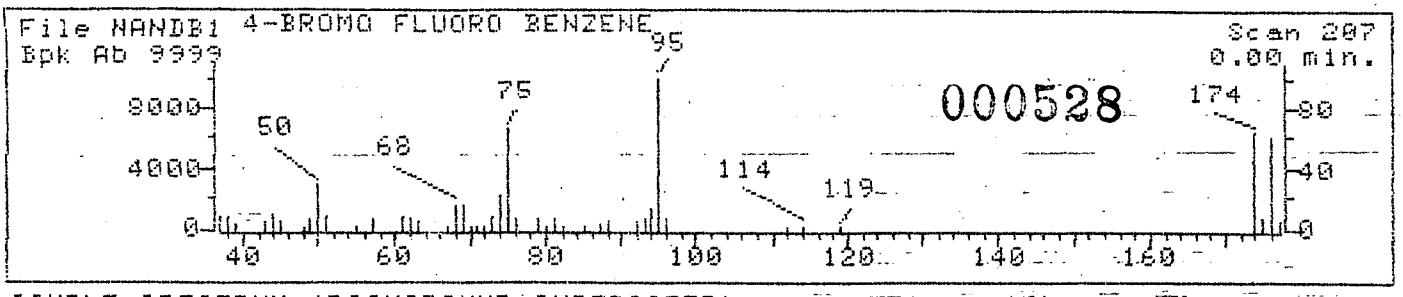
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 39
Compound Name: TOLUENE-d8 (a Surrog.)
Scan Number: 333
Retention Time: 27.59 min.
Area: 26671
Concentration: 49.93 UG
q-value: 98

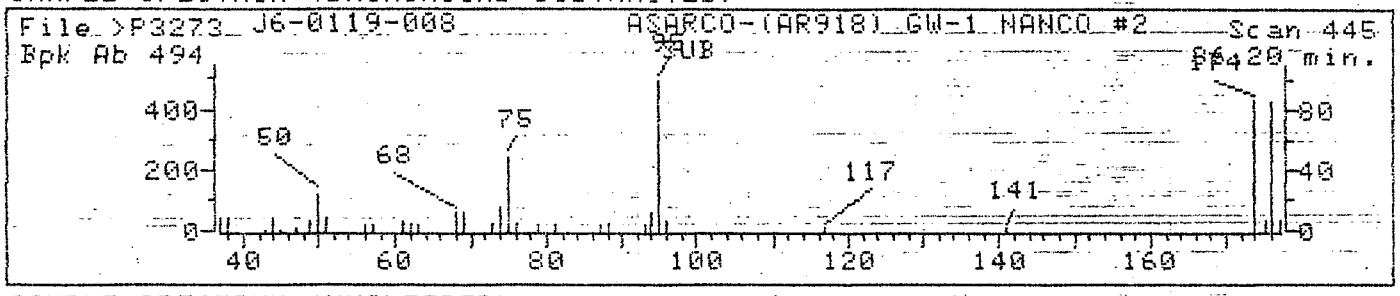
✓

80

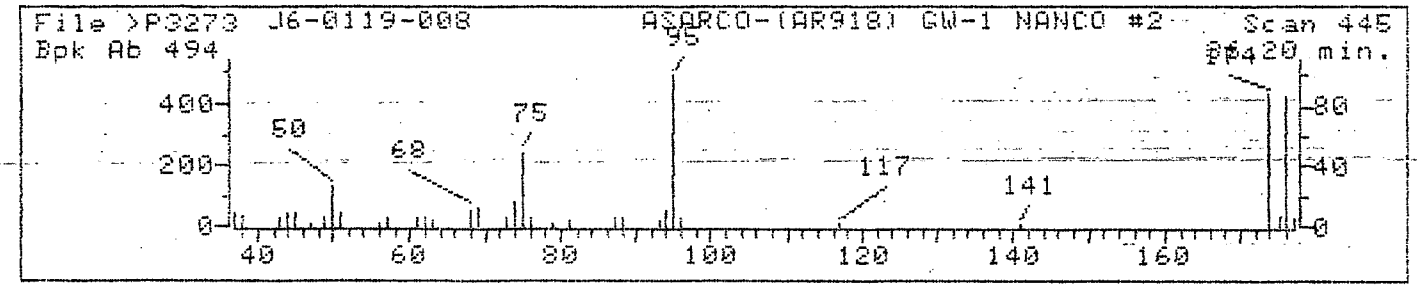
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

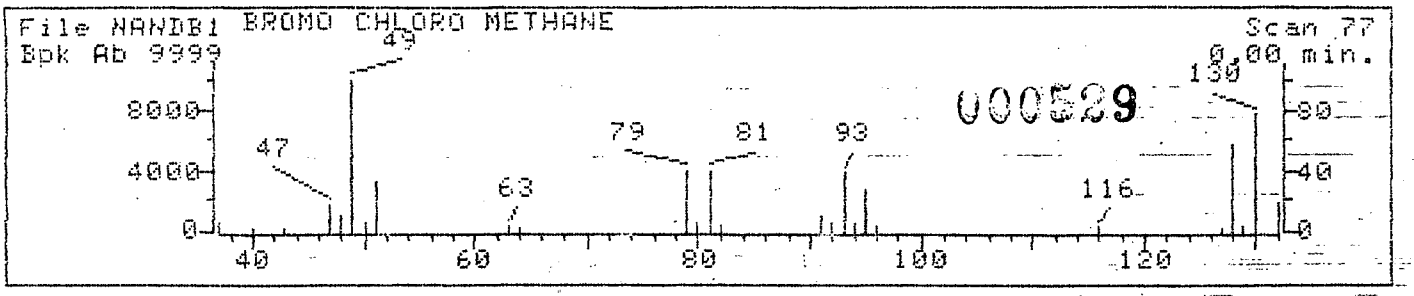


Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

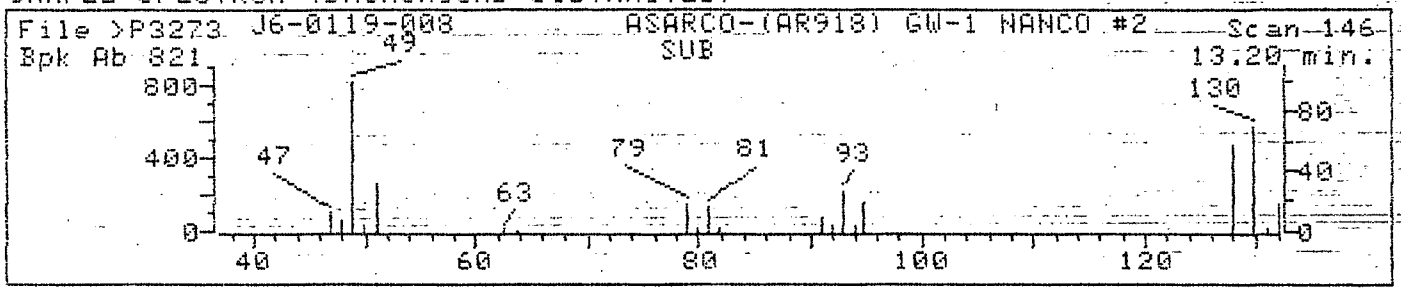
Compound No: 40
Compound Name: 4-BROMOFLUOROBENZENE (a Surrg)
Scan Number: 445
Retention Time: 36.20 min.
Area: 17603
Concentration: 49.87 UG
q-value: 78

JD

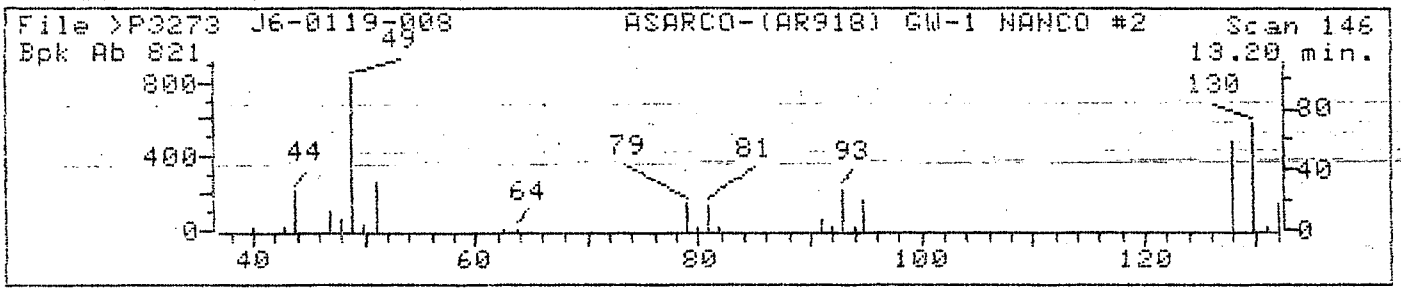
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



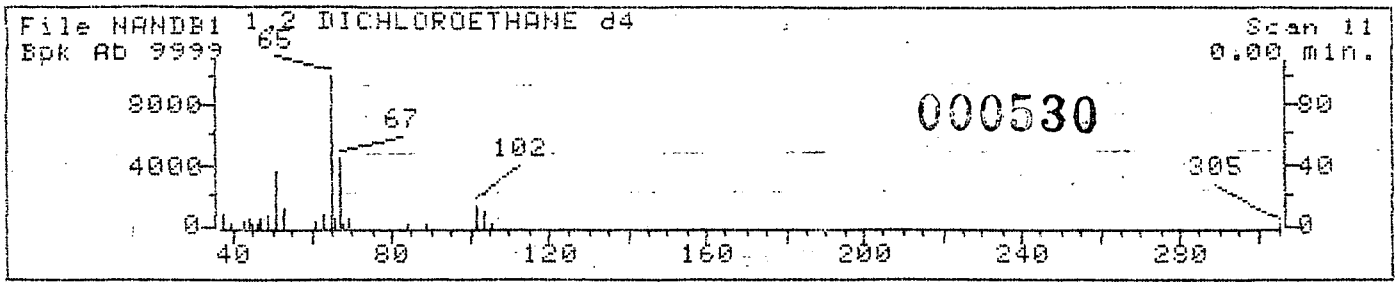
Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 41 (ISTD)
Compound Name: [BROMOCHLOROMETHANE (ISTD)]
Scan Number: 146
Retention Time: 13:20 min.
Area: 6368
Concentration: 50.00 UG
a-value: 83

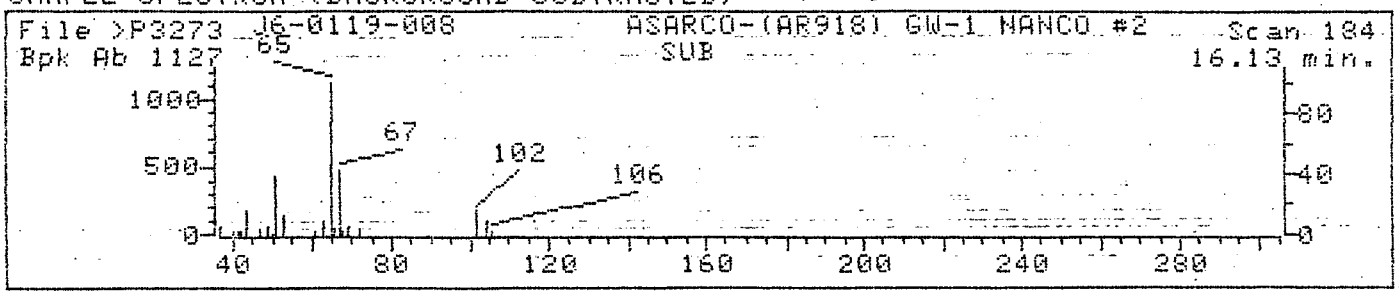
✓

OD

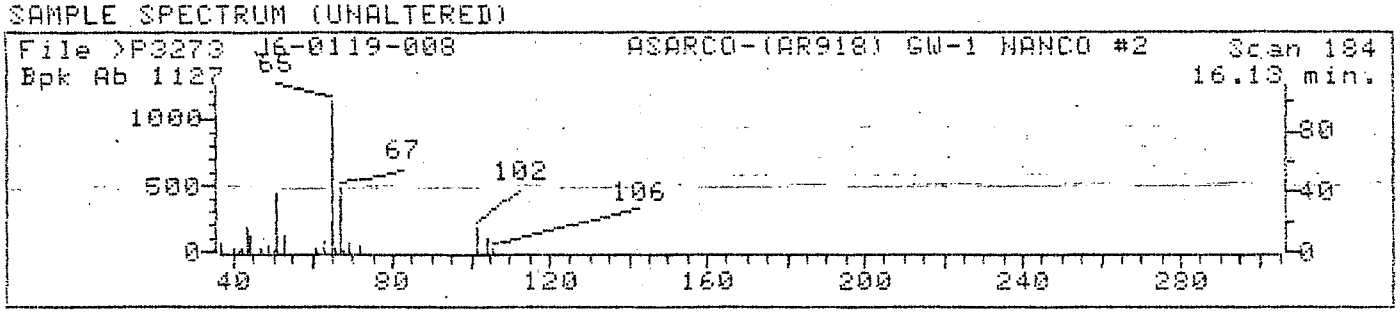
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM-(BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >P3273::D2
Name: J6-0119-008
Misc: ASARCO-(AR918) GW-1 NANCO #2
Quant Time: 860922 12:26
Injected at: 860922 11:37

Compound No: 42
Compound Name: 1,2-DICHLOROETHANE-d4 (Surrog)
Scan Number: 184
Retention Time: 16.13 min.
Area: 16026
Concentration: 49.08 UG
q-value: 96

✓
JD

MS data file header from : >P3273

000531

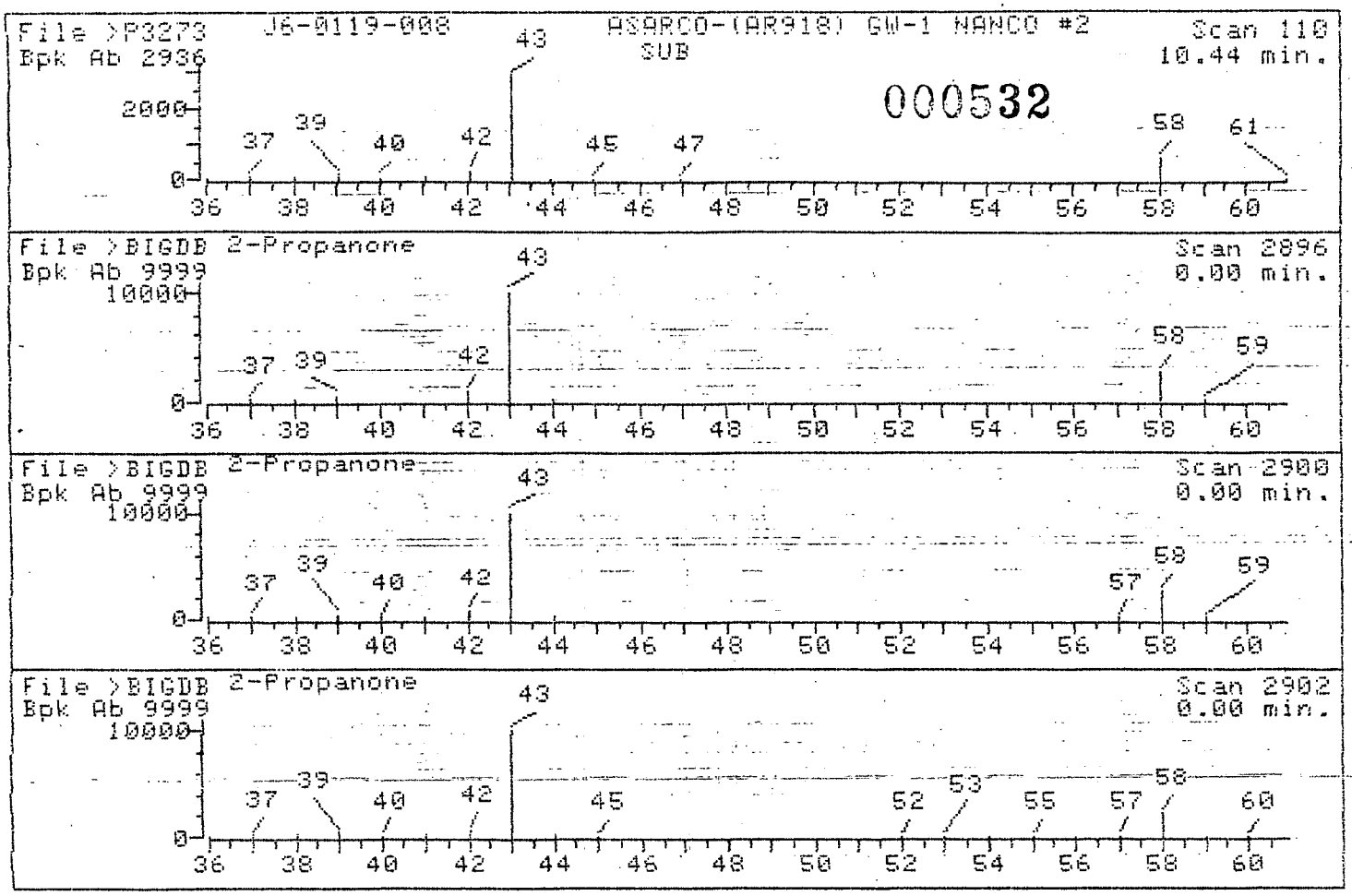
Sample: J6-0119-008 Operator: DALY MS 9/22/86 11:37
Misc : ASARCO-(AR918) GW-1 NANCO #2
Sys. #: 2 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH03 Tuning file: MT9002 No. of extra records: 1
Source temp.: 165 Analyzer temp.: 180 Transfer line temp. : 200

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

>P3273 J6-0119-008 ASARCO-(AR918) GW-1 NANCO #2
35.0| 260.0 TIC

Peak #	R.T. min.	first scan	max scan	last scan	peak height	raw area	corr. area	corr. % max	% of total
1	10.436	106	110	117	4306	83423	63475	5.31	2.156
2	13.205	143	146	153	3303	57844	48061	4.02	1.632
3	16.050	177	183	188	3143	51682	45033	3.77	1.529
4	23.740	279	283	288	5299	75960	72222	6.05	2.453
5	27.586	329	333	340	5415	92442	86908	7.27	2.952
6	29.124	347	353	359	3966	80697	73940	6.19	2.511
7	32.201	384	393	402	16167	432736	419691	35.13	14.254
8	36.200	435	445	456	2494	102834	90525	7.58	3.075
9	38.969	466	481	492	27209	1212743	1194739	100.00	40.577
10	40.662	492	503	521	17159	873264	849766	71.13	28.861

Sum of corrected areas: 2944360.

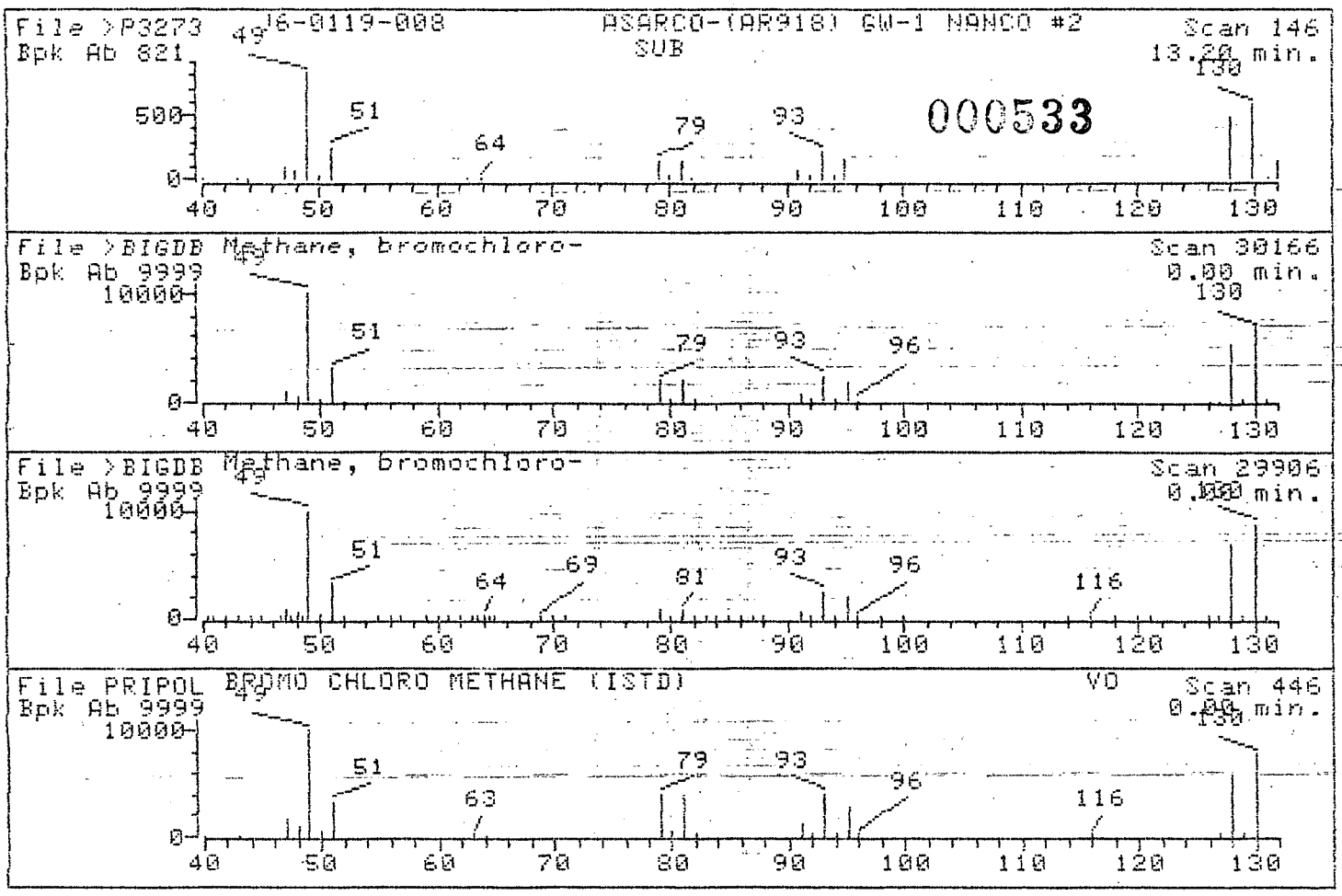


1. 2-Propanone 58 C3H6O
2. 2-Propanone 58 C3H6O
3. 2-Propanone 58 C3H6O
4. 2-Propanone 58 C3H6O
5. 2-Propanone 58 C3H6O

70

Sample file: >P3273 Spectrum #: 110
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

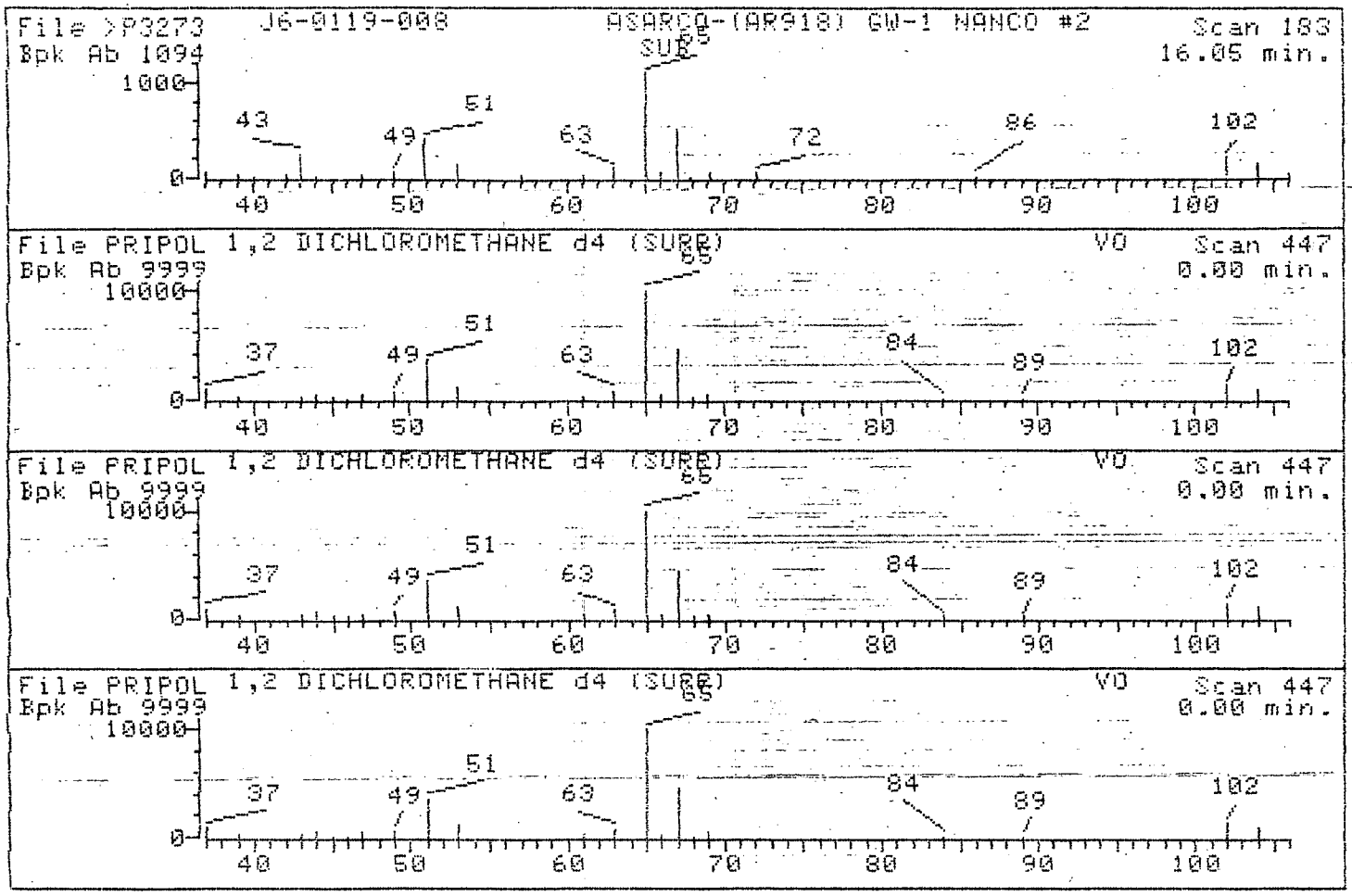
	Prob.	CAS #	CON #	ROOT	K	DK	#FLG	TILT	%	CON	C_I	R_IV
1.	70*	67641	2896	"BIGDB	25	38	1	0	73	6	42	14
2.	70*	67641	2900	"BIGDB	27	41	2	0	78	6	42	14
3.	70*	67641	2902	"BIGDB	24	41	2	0	89	6	42	14
4.	70*	67641	2897	"BIGDB	28	19	1	0	71	10	42	15
5.	60*	67641	2519	"BIGDB	24	47	2	0	86	12	30	14



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

Sample file: >P3273 Spectrum #: 146
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	88	3	72	94
2.	89*	74975	29906	"BIGDB	95	17	2	0	79	3	66	73
3.	89%	446	204	PRIPOL	96	30	2	0	68	3	66	74



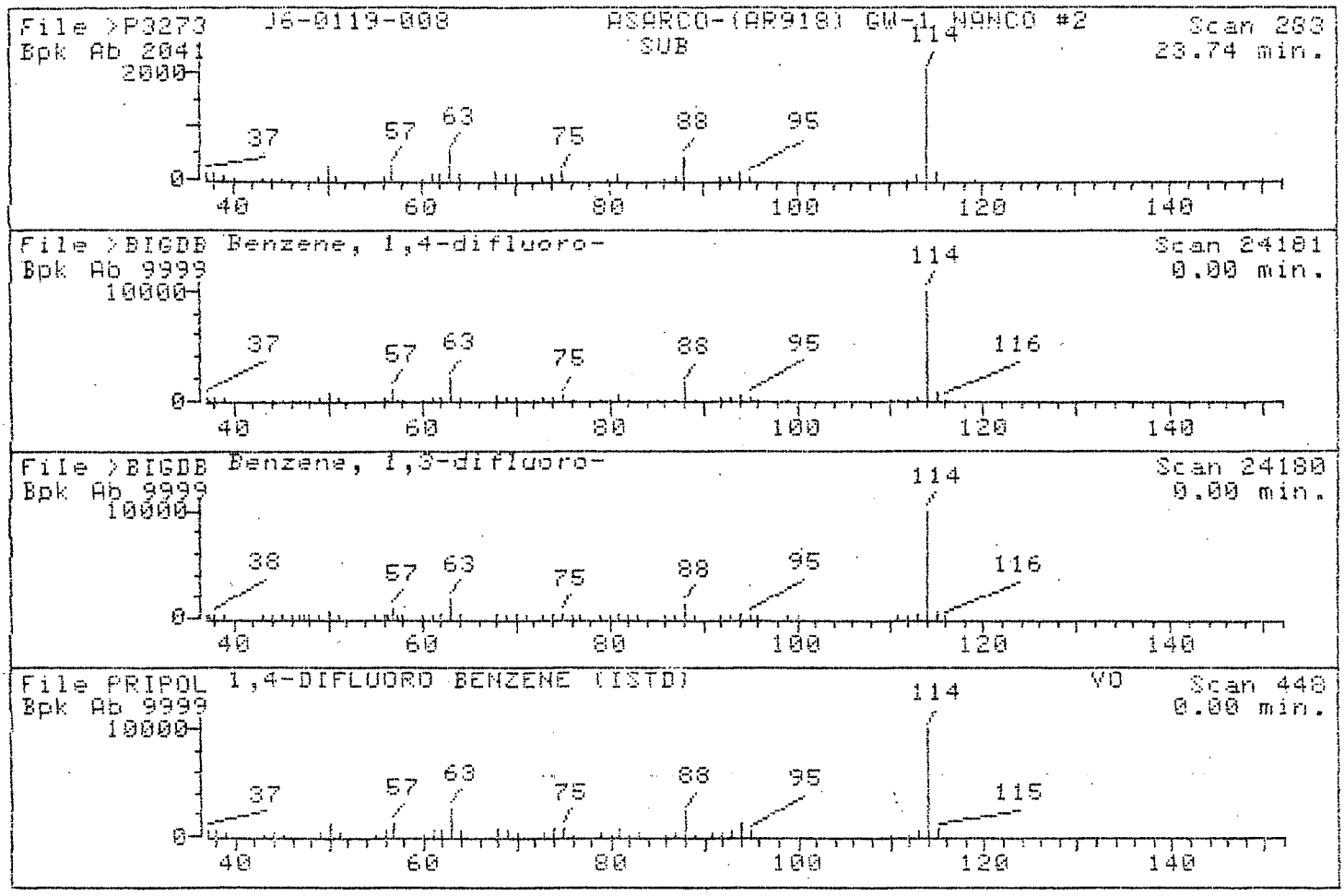
000534 3

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

20 VO 102

Sample file: >P3273 Spectrum #: 183
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

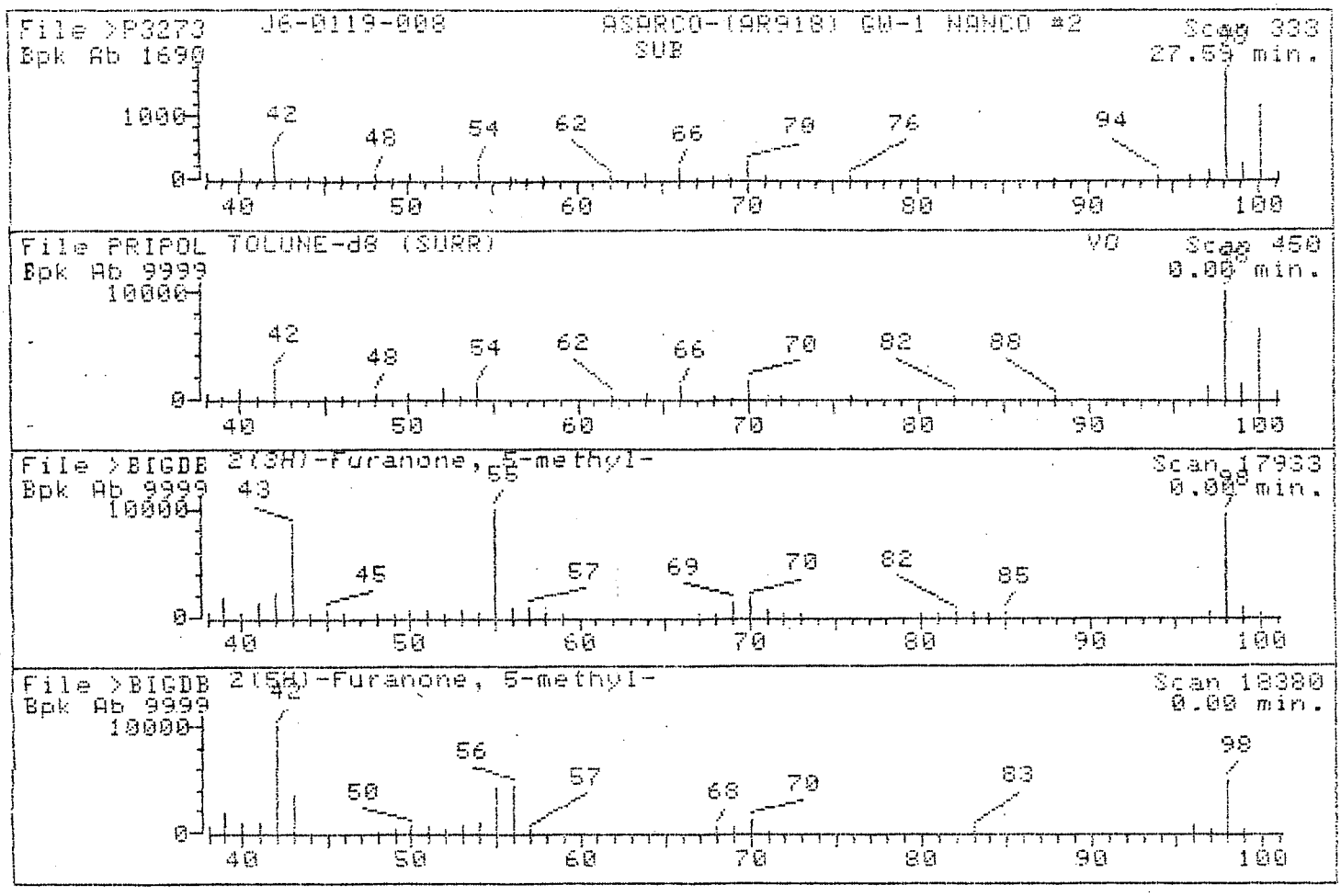


000535 4

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

Sample file: >P3273 Spectrum #: 283
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*	540363	24181	"BIGDB	83	6	0	0	100	0	72	97
2.	93*	372189	24180	"BIGDB	67	18	0	0	100	7	68	92
3.	91*	448	176	PRIPOL	77	23	0	0	62	30	57	93
4.	89*	367113	24179	"BIGDB	63	22	0	0	100	7	62	80
5.	52*	540363	24611	"BIGDB	45	36	2	0	100	24	22	24



000536

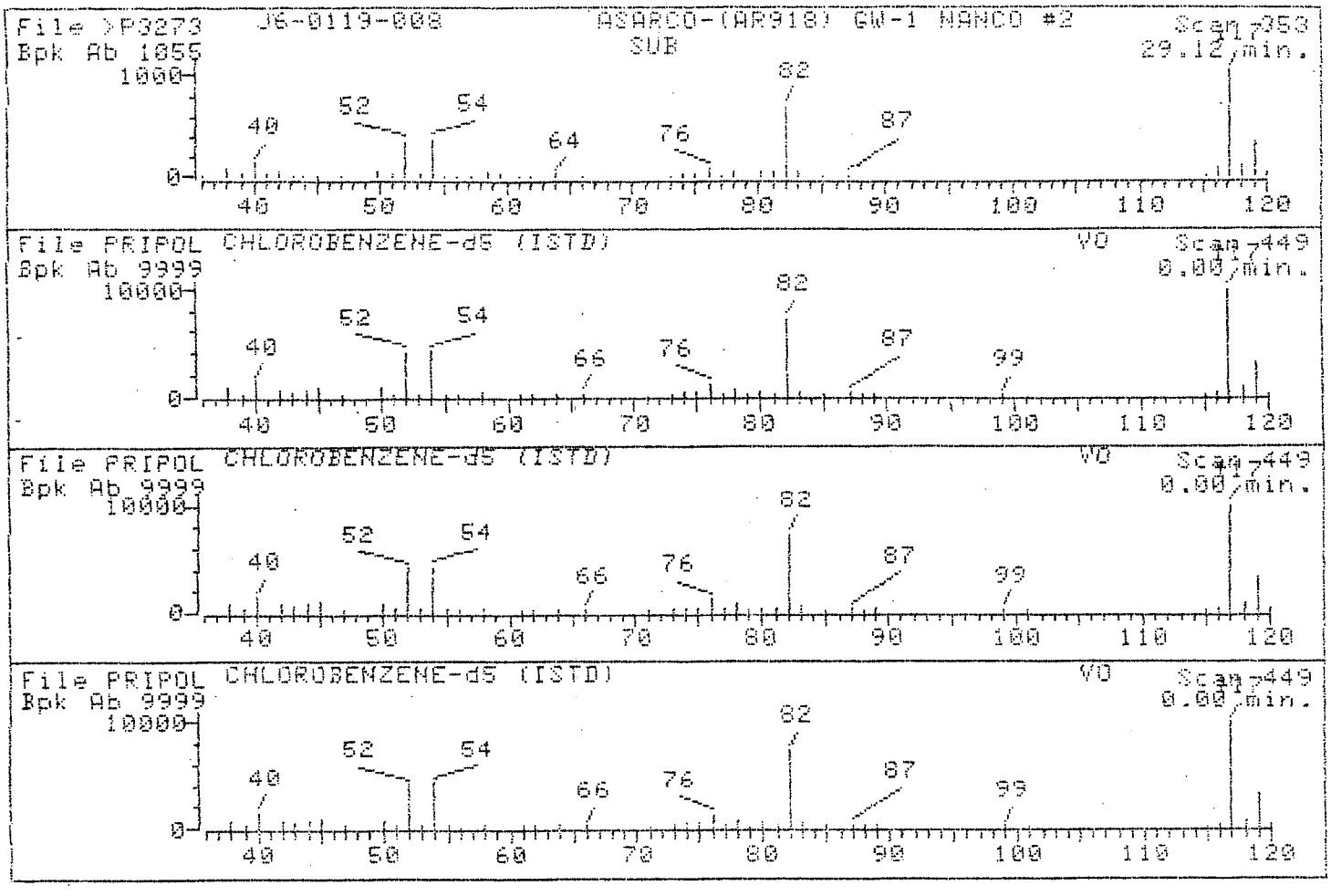
1.	TOLUNE-d8 (SURR)	VO	96
	LATILE SURROGATE		
2.	2(3H)-Furanone, 5-methyl-		98 C5H6O2
3.	2(5H)-Furanone, 5-methyl-		98 C5H6O2
4.	Svdnone, 3-methyl-		100 C3H4N2O2

30

5

Sample file: >P3273 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	68	30	2	0	86	28	19	24
2.	30%	591128	17933	"BIGDB	27	73	3	0	105	31	12	13
3.	24%	591117	18380	"BIGDB	24	82	3	0	204	42	8	12
4.	15%	6939124	18996	"BIGDB	24	47	3	0	68	60	3	12

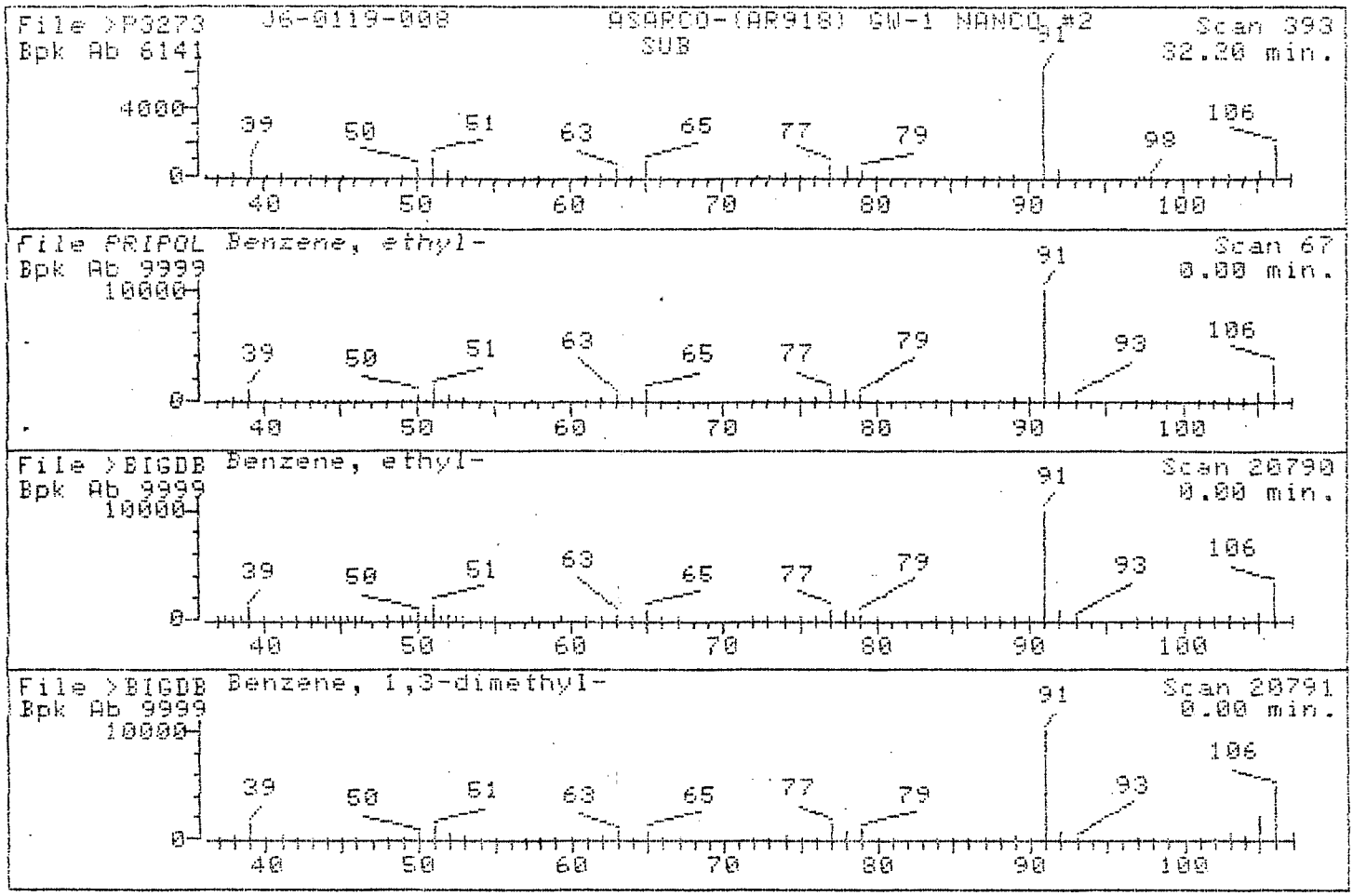


UU537

1. CHLOROBENZENE-d5 (ISTD) VO 117
A INTERNAL STANDARD

Sample file: >P3273 Spectrum #: 353
Search speed: 1 Tilting option: N No. of ion ranges searched: 40

	Prob.	CAS #	CON #	ROOT	K	DK	#PLG	TILT	%	CON	C_I	R_IV
1.	78%	449	177	PRIPOL	32	73	3	0	91	1	55	13

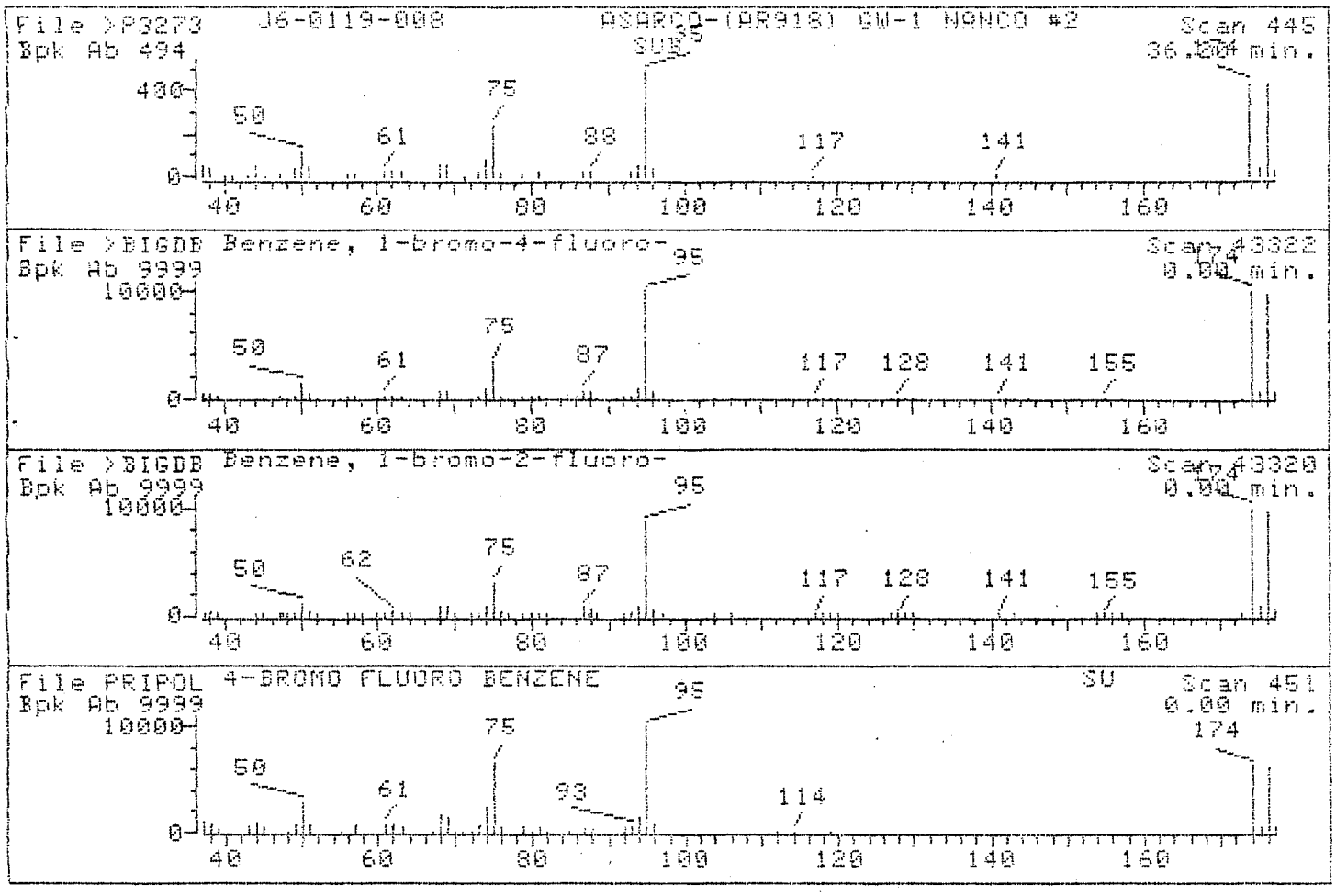


000538

1. Benzene, ethyl-	106	C8H10
2. Benzene, ethyl-	106	C8H10
3. Benzene, 1,3-dimethyl-	106	C8H10
4. Benzene, 1,2-dimethyl-	106	C8H10
5. OXALIC ACID, BENZYLESTER	180	C9H8O4

Sample file: >P3273 Spectrum #: 393
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%	67	166	PRIPOL	75	7	0	0	83	0	72	97
2.	97%	100414	20790	"BIGDB	75	7	0	0	83	0	72	97
3.	57%	108383	20791	"BIGDB	56	34	2	0	59	35	22	42
4.	49%	95476	20789	"BIGDB	51	38	2	0	66	32	20	33
5.	42	0	14927	"BIGDB	38	42	2	0	89	24	17	13

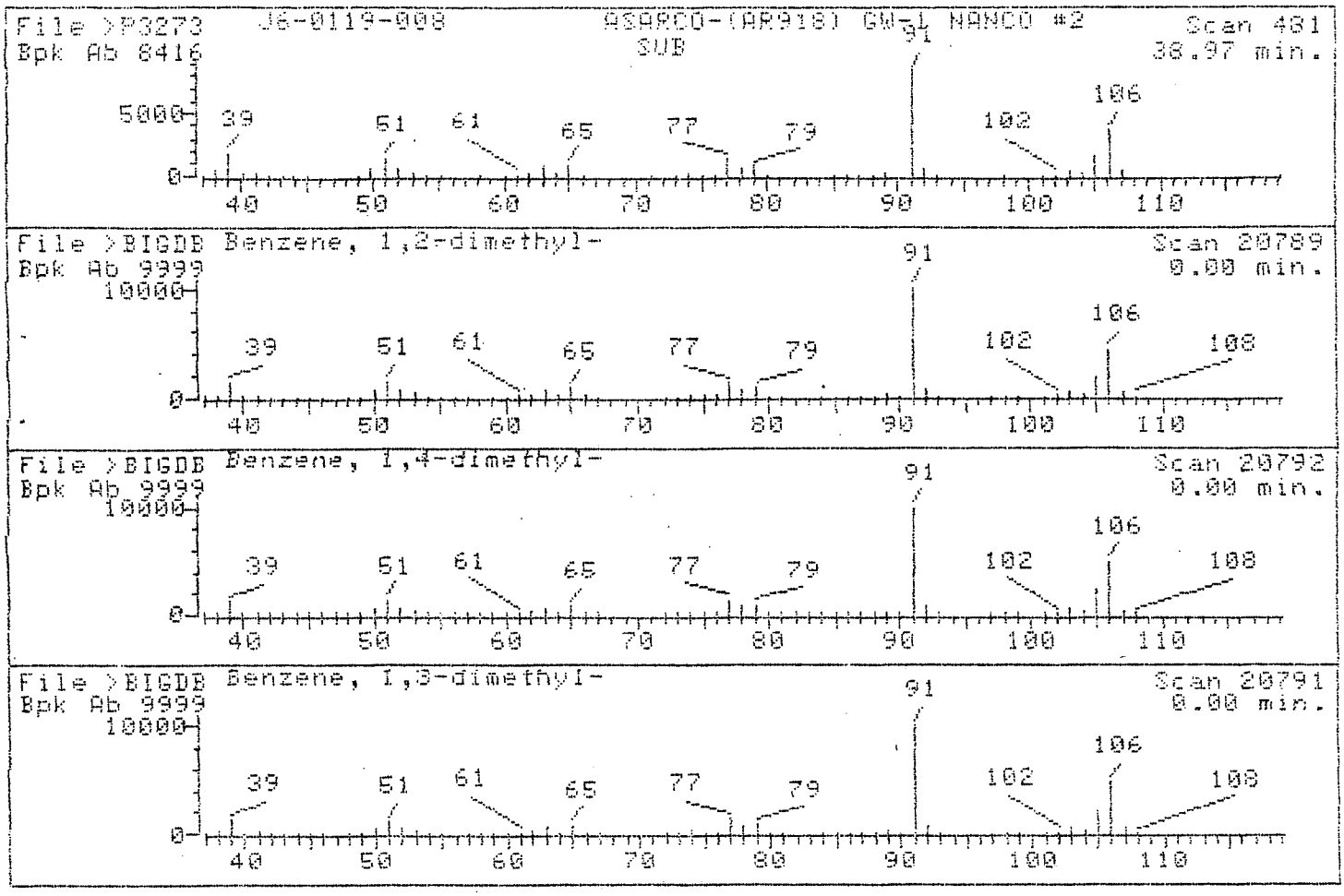


000539

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

Sample file: >P3273 Spectrum #: 445
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.	79%	460004	43322	"BIGDB	54	56	2	0	87	9	48	31
2.	79%	1072851	43320	"BIGDB	59	48	2	0	87	9	48	36
3.	73%	451	144	PRIPOL	78	38	2	0	72	24	32	60
4.	73%	1073069	43321	"BIGDB	62	51	1	0	63	21	32	60



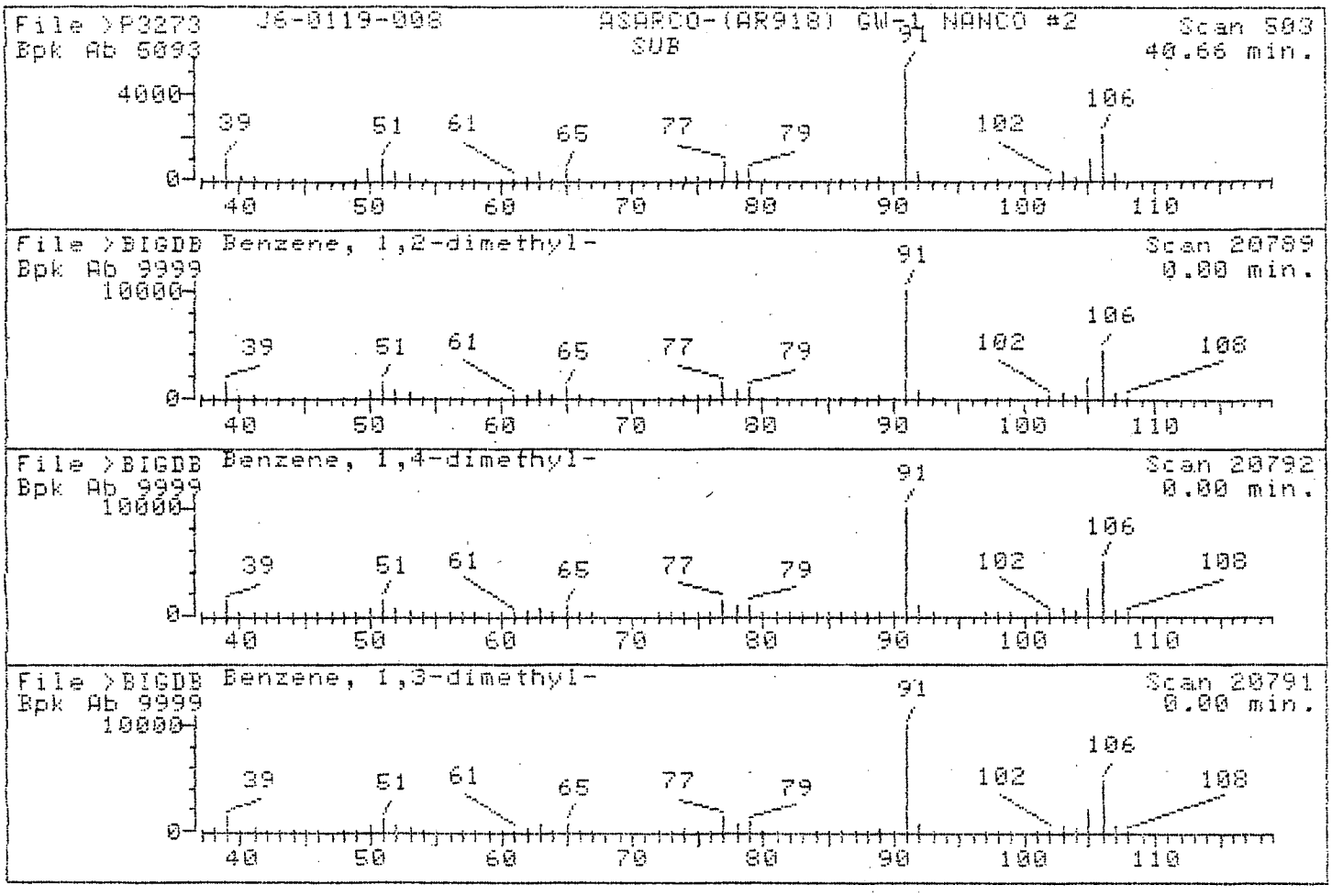
000540

1. Benzene, 1,2-dimethyl- 106 C8H10
2. Benzene, 1,4-dimethyl- 106 C8H10
3. Benzene, 1,3-dimethyl- 106 C8H10
4. XYLENE 106 C8H10
5. Benzene, ethyl- 106 C8H10

20

Sample file: >P3273 Spectrum #: 481
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%	95476	20789	"BIGDB	89	0	0	0	97	7	68	97
2.	97%	106423	20792	"BIGDB	83	7	0	0	83	7	68	97
3.	97%	108383	20791	"BIGDB	83	7	0	0	91	7	68	97
4.	95%	1330207	21031	"BIGDB	78	13	0	0	68	7	68	95
5.	95%	100414	20790	"BIGDB	72	10	0	0	97	15	64	96



000541

1. Benzene, 1,2-dimethyl- 106 C8H10
2. Benzene, 1,4-dimethyl- 106 C8H10
3. Benzene, 1,3-dimethyl- 106 C8H10
4. Benzene, 1,3-dimethyl- 106 C8H10
5. XYLENE 106 C8H10

✓ ZP

10

Sample File: >P3273 Spectrum #: 503
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*	95476	20789	"BIGDB	89	0	0	0	97	0	72	97
2.	97*	106423	20792	"BIGDB	83	7	0	0	84	0	72	97
3.	97*	108383	20791	"BIGDB	83	7	0	0	87	0	72	97
4.	95*	108383	21029	"BIGDB	77	13	0	0	70	2	72	95
5.	95*	1330207	21031	"BIGDB	77	14	0	0	73	2	72	95

9/22/86 NJ DEP 008 009

1077

P3273 J6-0119-008 GW-1

HSL	Conc (ug/L)	
Meth. Chlor.	1.9	JB
Acetone	230	B
Toluene	1.6	J
Ethyl benzene	190	
Total Xylenes	520	
Total Xylenes	370	

000542

Surr	Conc (ug/L)	% Rec
tol d-8	49.93	100
BFB	49.87	100
1,2 dichlor	49.08	98

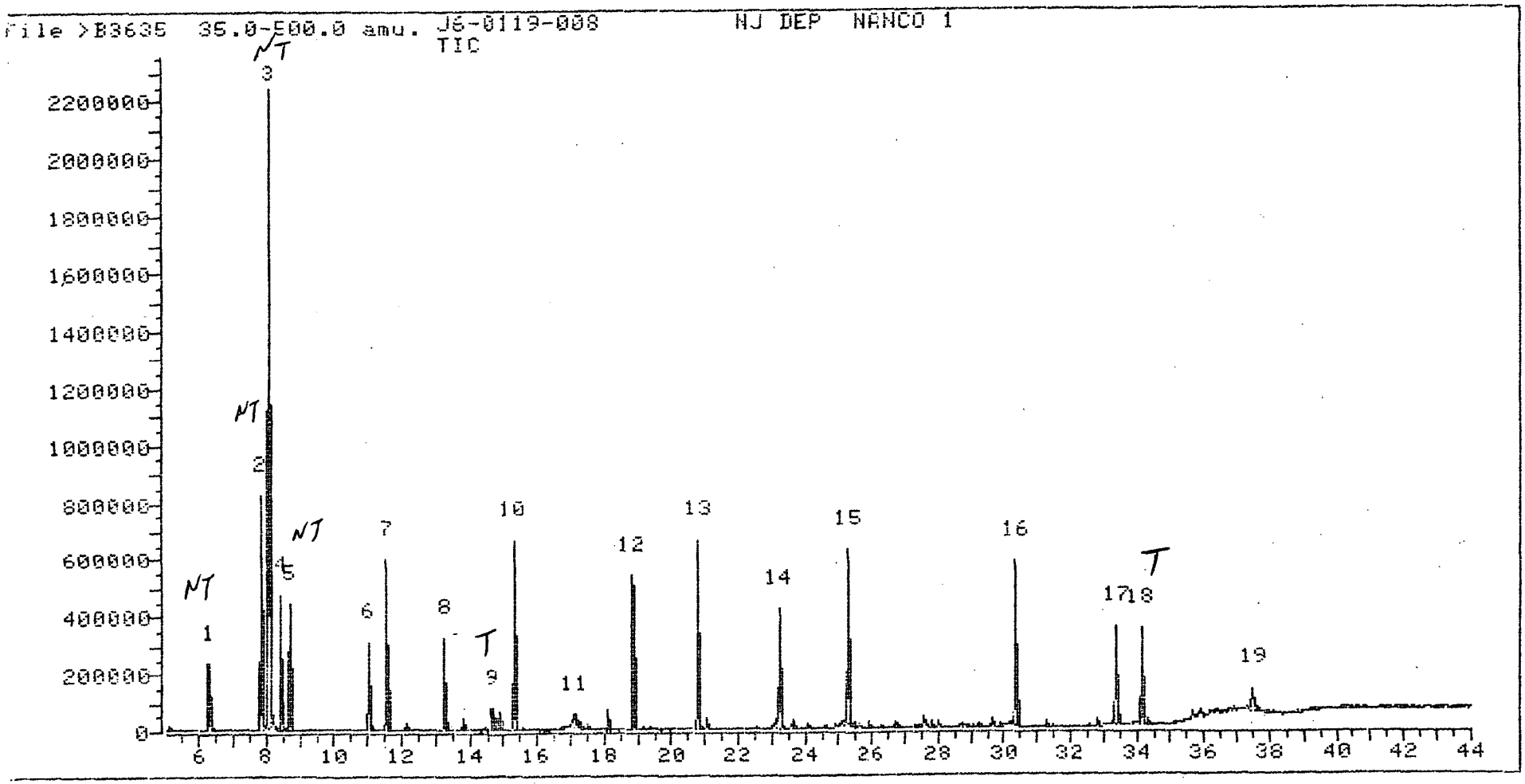
TIC none found.

P3274 J6-0120-008 trip Blank

HSL	Conc (ug/L)	
Meth. Chlor.	2.1	JB
Acetone	8.5	JB
Toluene	13	

Surr	Conc (ug/L)	% Rec
tol d-8	50.50	101
BFB	49.40	99
1,2 dichlor.	50.64	101

Inj 10/9/86 3:26



PK #		
7	1,4-DICHLOROBENZENE d4	(IS)
10	NAPHTHALENE d8	(IS)
13	ACENAPHTHENE d10	(IS)
15	PHENANTHRENE d10	(IS)
17	CHRYSENE d12	(IS)
19	PERYLENE d12	(IS)

PK #		
6	PHENOL d6	(SURR)
4	2-FLUOROPHENOL	(SURR)
8	NITROBENZENE d5	(SURR)
12	2-FLUOROBIPHENYL	(SURR)
14	2,4,6-TRIBROMOPHENOL	(SURR)
16	TERPHENYL d14	(SURR)

000543

QUANT REPORT

Operator ID: JAHANI
Output File: ^B3635::AQ
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1

Quant Rev: 4
Quant Time: 861009 10:22
Injected at: 861009 03:26
Dilution Factor: 2.22

BTL#17

ID File: IDEPA1:PK:NA
Title: IDEPA BNA
Last Calibration: 861009 09:59

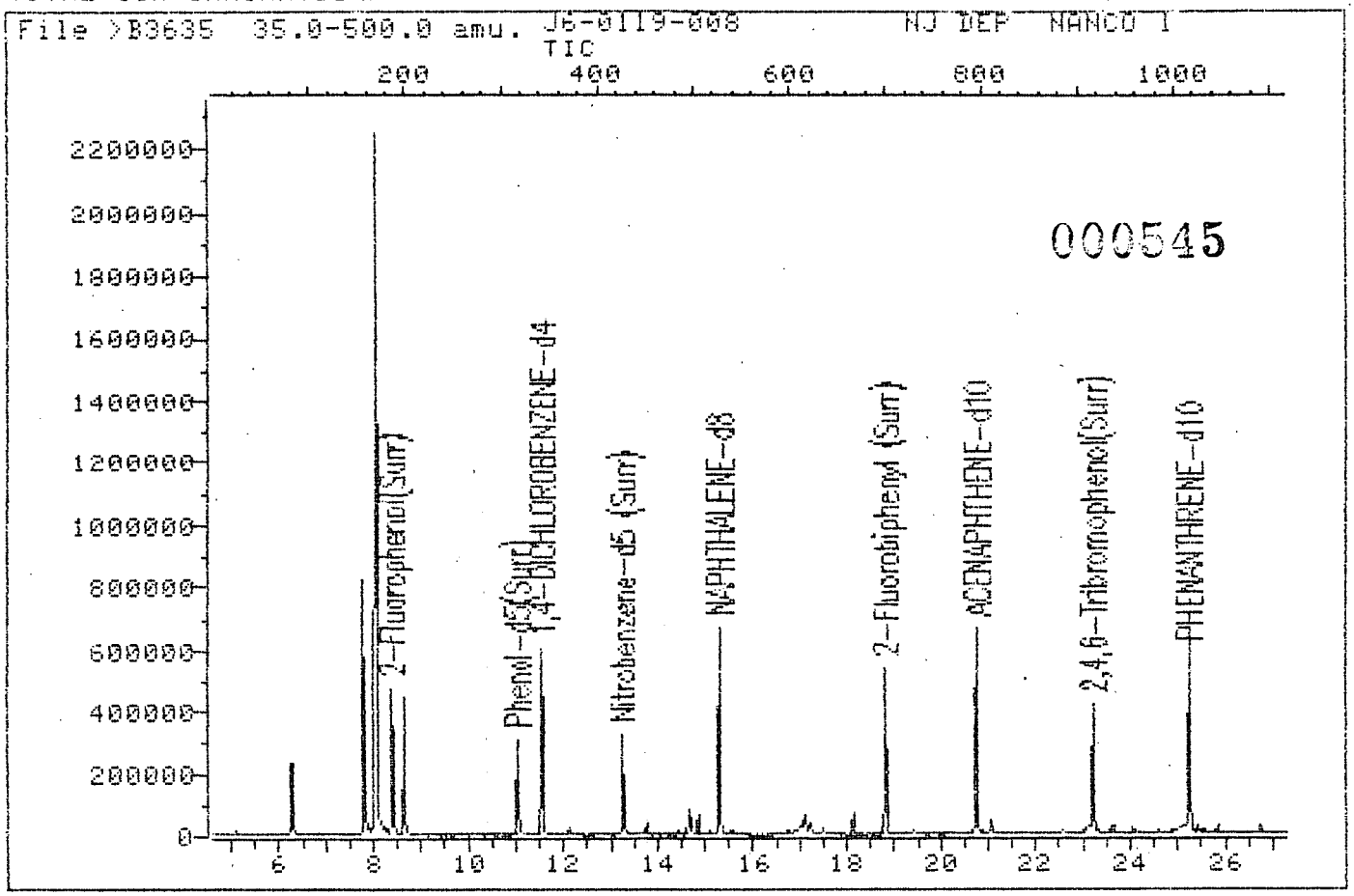
000544

	Compound	R.T.	Scan#	Area	Conc	Units	q
1)	*1,4-DICHLOROBENZENE-d4	11.56	342	212550	40.00	UG	94
2)	Phenol	11.08	318	45642	11.11	UG	89
14)	*NAPHTHALENE-d8	15.30	526	792622	40.00	UG	100
18)	2,4-Dimethylphenol	14.67	495	64818	21.86	UG	95
28)	*ACENAPHTHENE-d10	20.77	795	391630	40.00	UG	98
47)	*PHENANTHRENE-d10	25.24	1015	795873	40.00	UG	93
57)	*CHRYSENE-d12	33.38	1415	347966	40.00	UG	100
62)	bis(2-Ethylhexyl)Phthalate	34.09	1450	211935	49.35	UG	94
64)	*PERYLENE-d12	37.45	1615	89721	40.00	UG	100
65)	Di-n-Octyl Phthalate	35.65	1527	15331	4.08	UG	100
72)	* 1,4 Dichlorobenzene(IS)	11.56	342	212550	40.00	UG	94
73)	Phenol-d5(Surr)	11.04	316	281055	66.35	UG	73
74)	2-Fluorophenol(Surr)	8.40	186	311593	90.11	UG	67
75)	*Naphthalene-d8 (IS)	15.30	526	792622	40.00	UG	95
76)	Nitrobenzene-d5 (Surr)	13.27	426	256531	70.19	UG	86
77)	*Acenaphthene-d10 (IS)	20.77	795	391630	40.00	UG	98
78)	2-Fluorobiphenyl (Surr)	18.81	699	507076	77.47	UG	98
79)	2,4,6-Tribromophenol(Surr)	23.23	916	165062	233.62	UG	88
80)	*Chrysene-d12 (IS)	33.38	1415	348992	40.00	UG	100
81)	Terphenyl-d14 (Surr)	30.35	1266	~~514081~~ 332665	~~201.08~~ 130.12	UG	99

50

* Compound is ISTD

TOTAL ION CHROMATOGRAM



000545

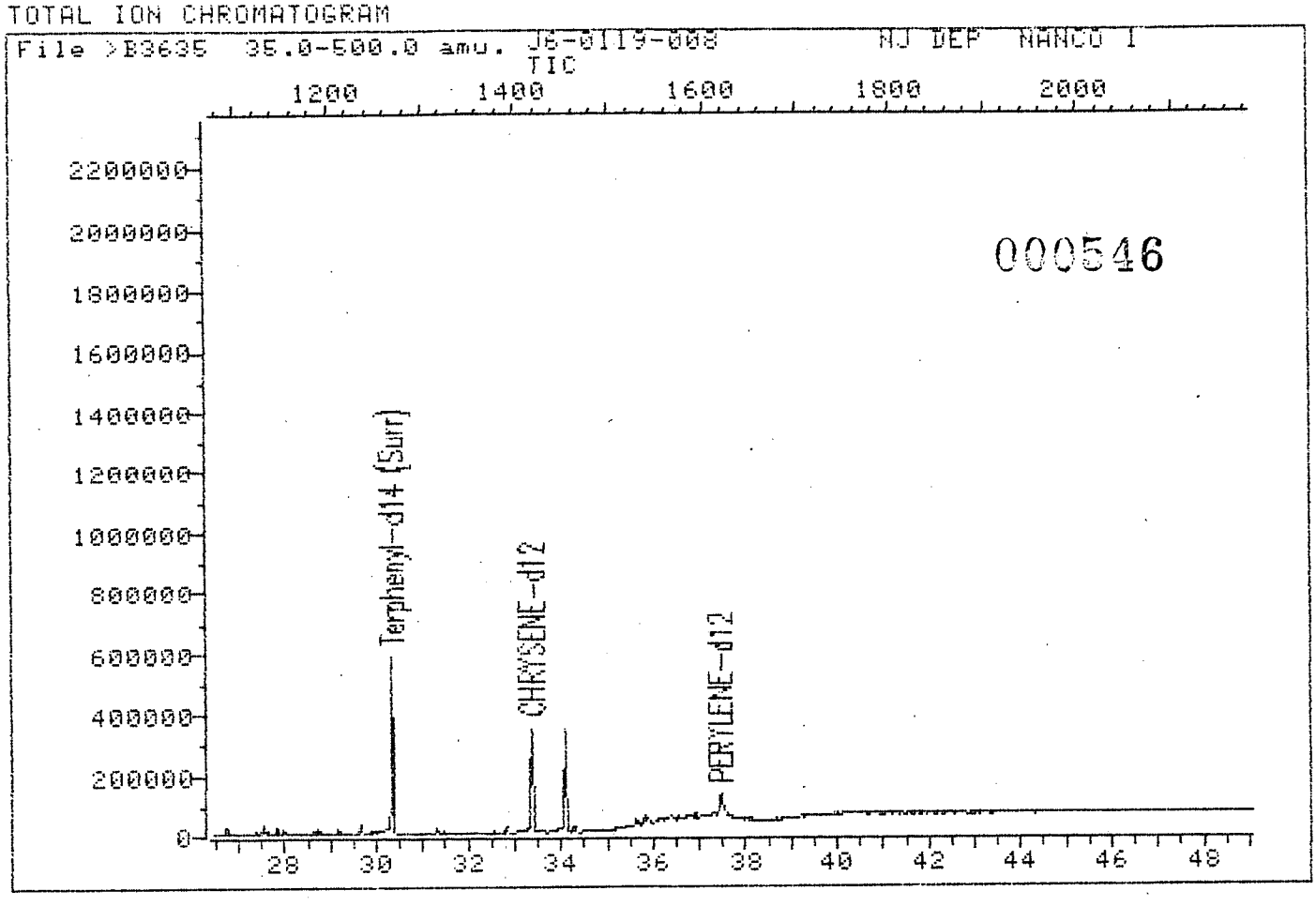
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17

Id File: IDEPA1:PK:NA
Title: IDEPA BNA
Last Calibration: 861009 09:59

Operator ID: JAHANI
Quant Time: 861009 10:22
Injected at: 861009 03:26

TIC page 1 of 2

TOTAL ION CHROMATOGRAM



Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1

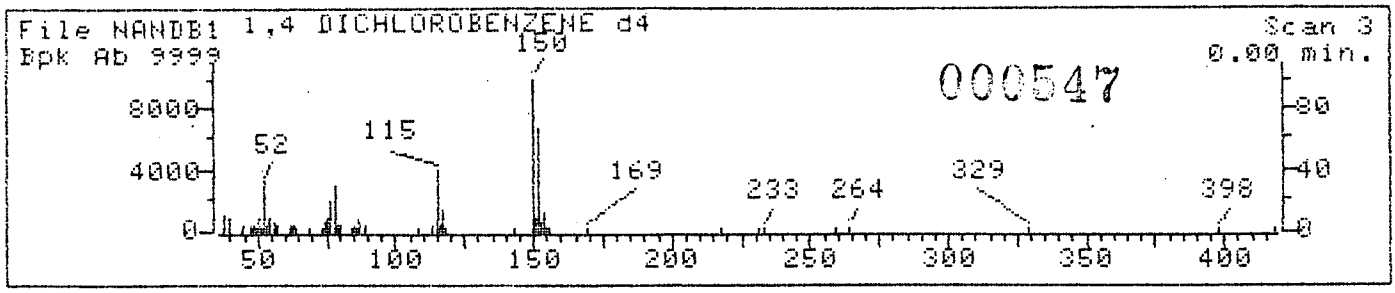
BTL#17

Id File: IDEPA1:PK:NA
Title: IDEPA BNA
Last Calibration: 861009 09:59

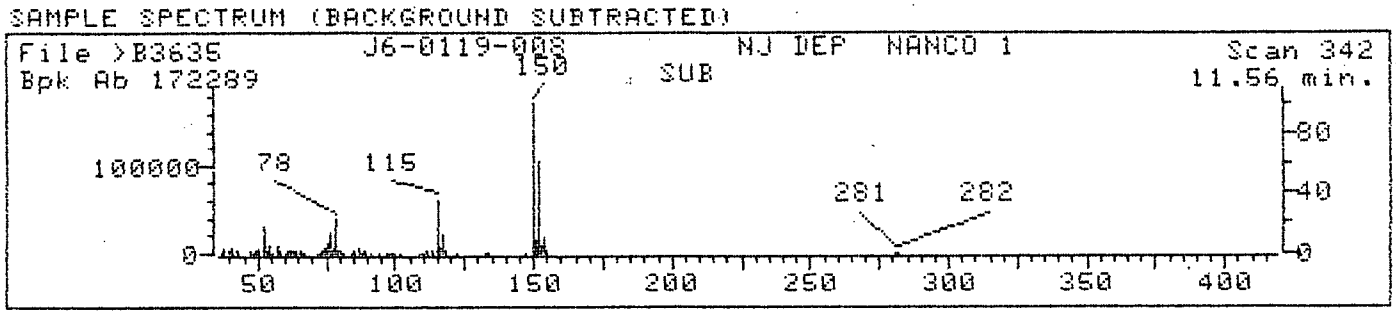
Operator ID: JAHANI
Quant Time: 861009 10:22
Injected at: 861009 03:26

TIC page 2 of 2

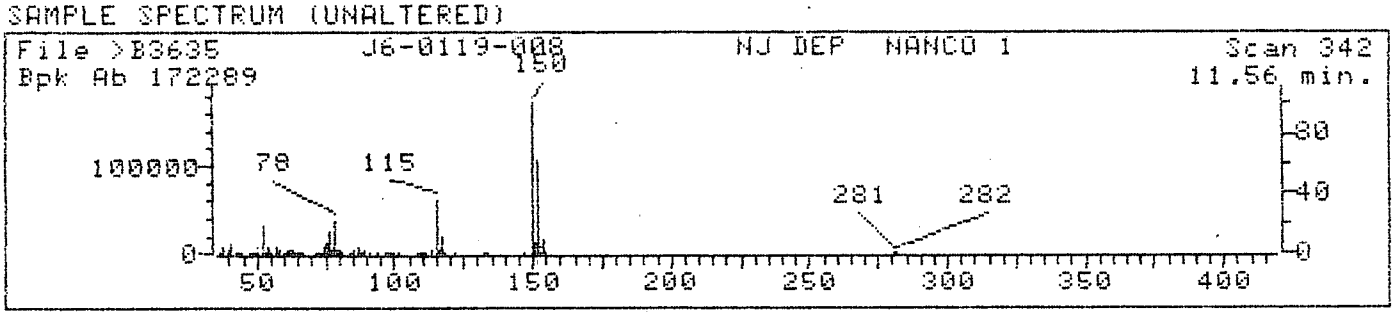
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



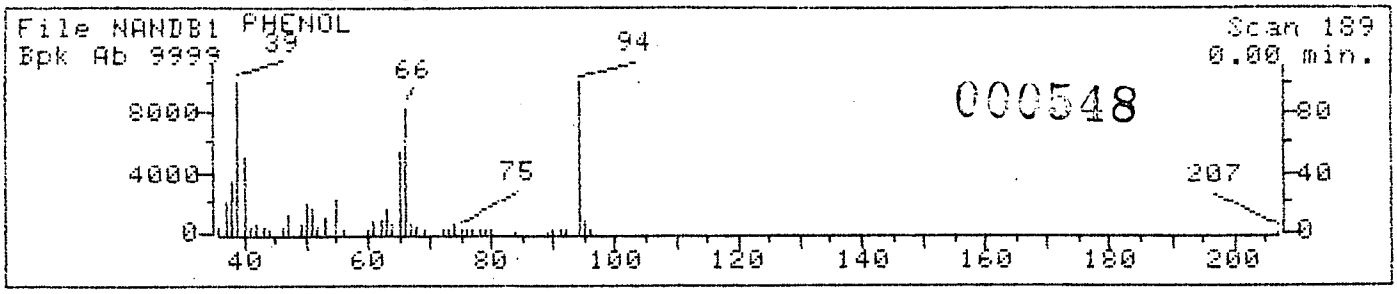
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

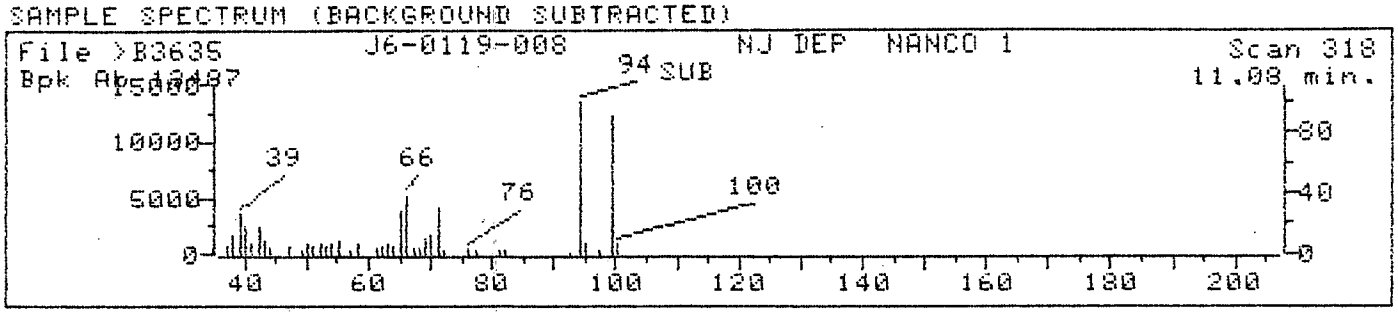
Compound No: 1 (ISTD)
Compound Name: 1,4-DICHLOROBENZENE-d4
Scan Number: 342
Retention Time: 11.56 min.
Area: 212550
Concentration: 40.00 UG
q-value: 94

REFERENCE STANDARD SPECTRUM



000548

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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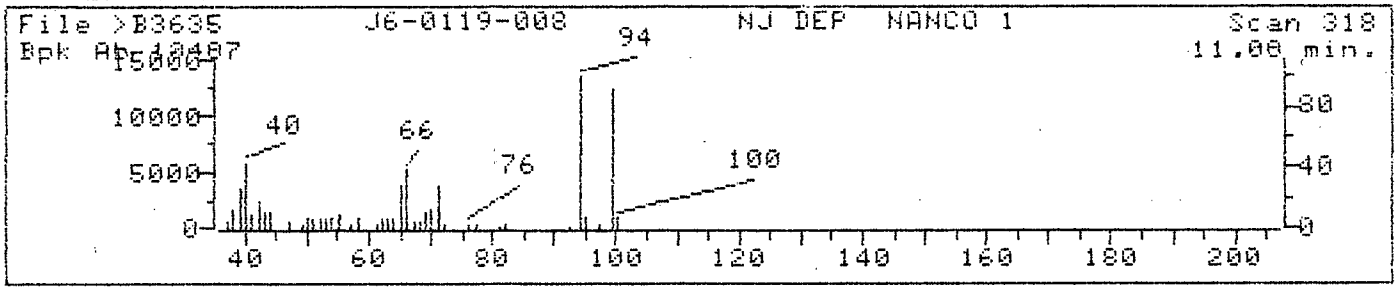
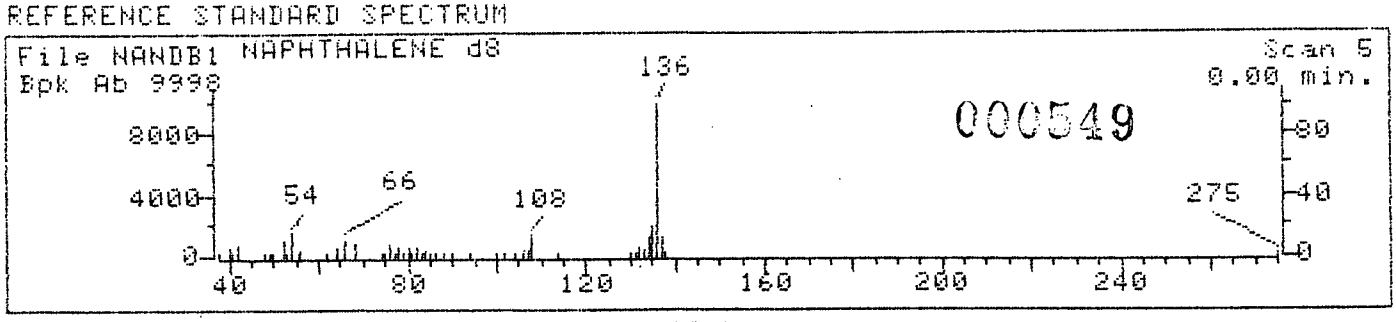


Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 2
Compound Name: Phenol
Scan Number: 318
Retention Time: 11.08 min.
Area: 45642
Concentration: 11.11 UG
q-value: 89

REFERENCE STANDARD SPECTRUM



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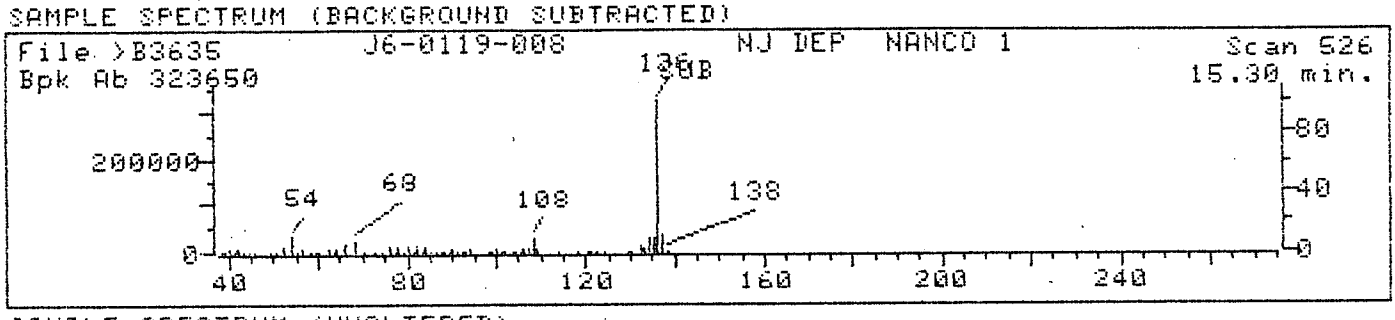

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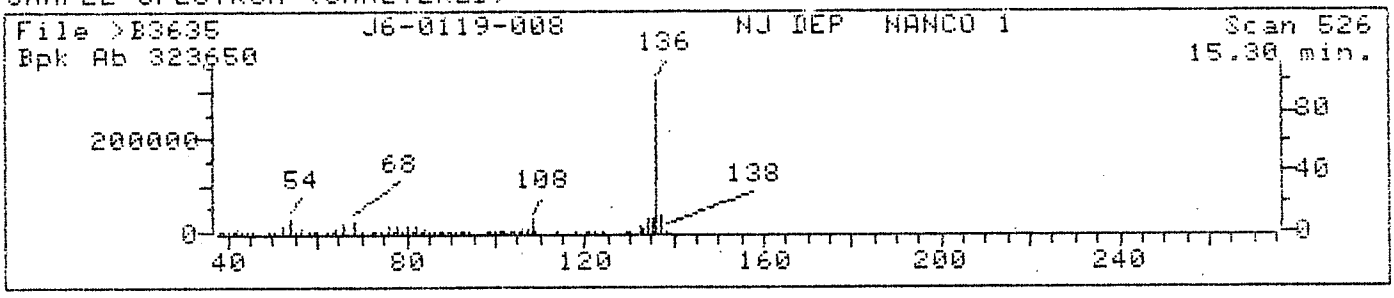
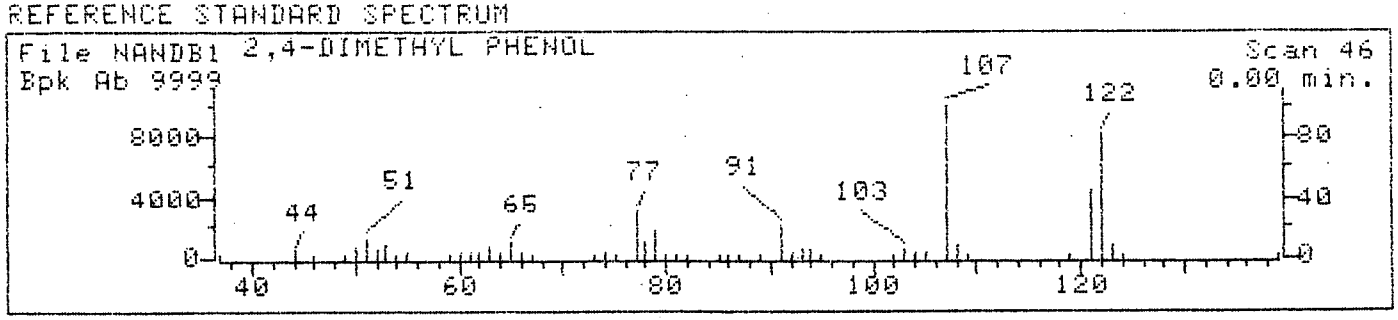


Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 14 (ISTD)
Compound Name: NAPHTHALENE-d8
Scan Number: 526
Retention Time: 15.30 min.
Area: 792622
Concentration: 40.00 UG
q-value: 100

REFERENCE STANDARD SPECTRUM



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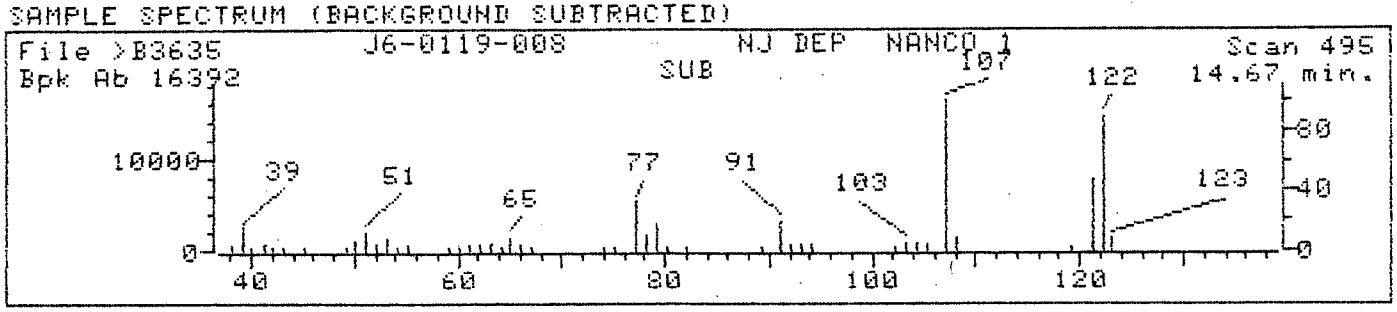

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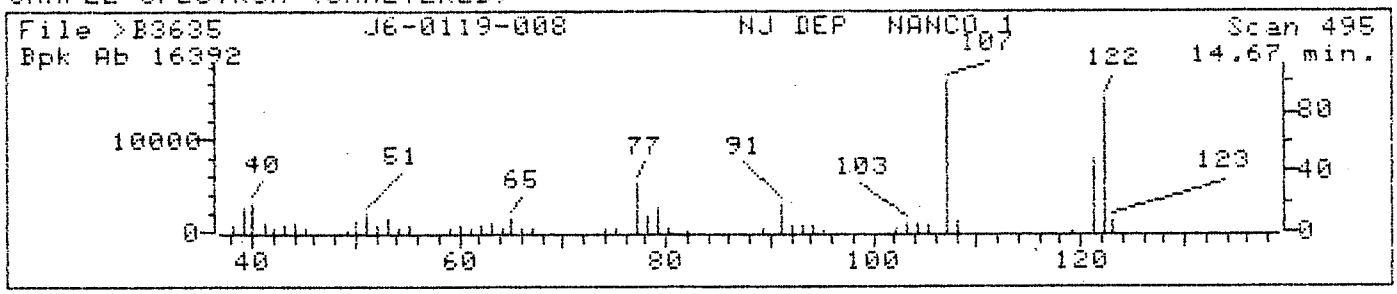
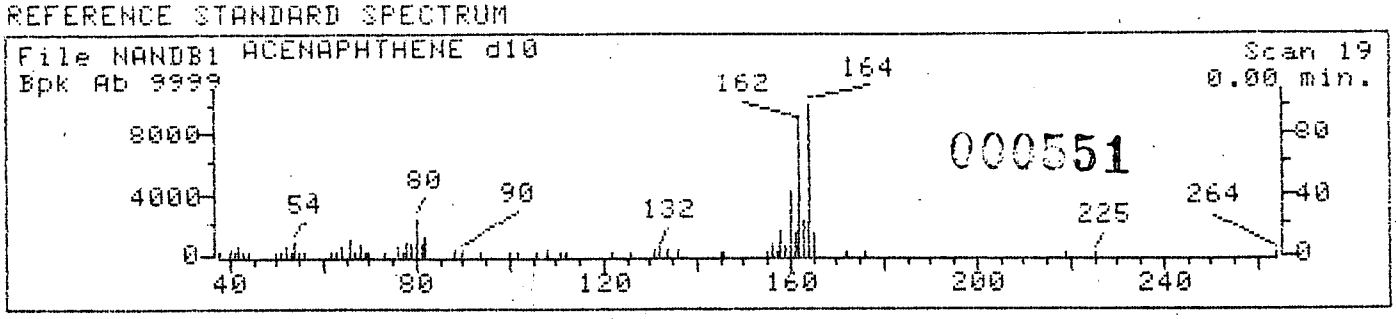


Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

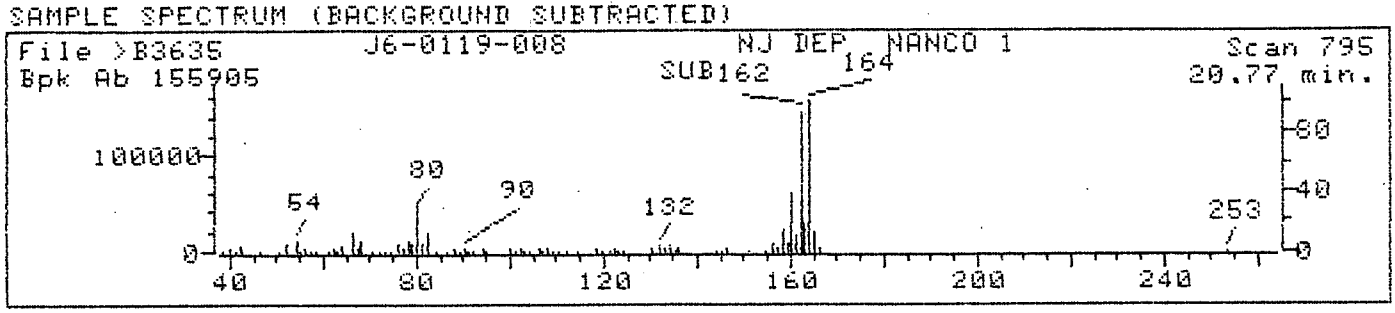
Compound No: 18
Compound Name: 2,4-Dimethylphenol
Scan Number: 495
Retention Time: 14.67 min.
Area: 64818
Concentration: 21.86 UG
q-value: 95

REFERENCE STANDARD SPECTRUM



000551

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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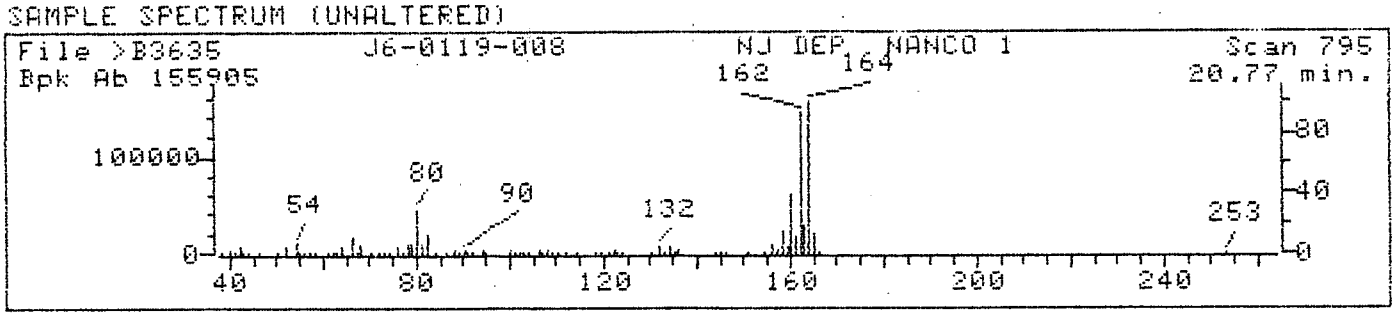
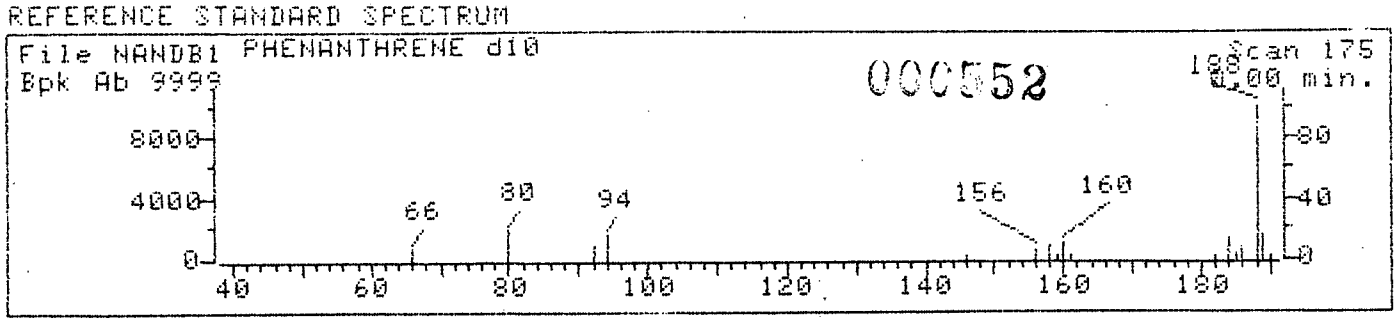


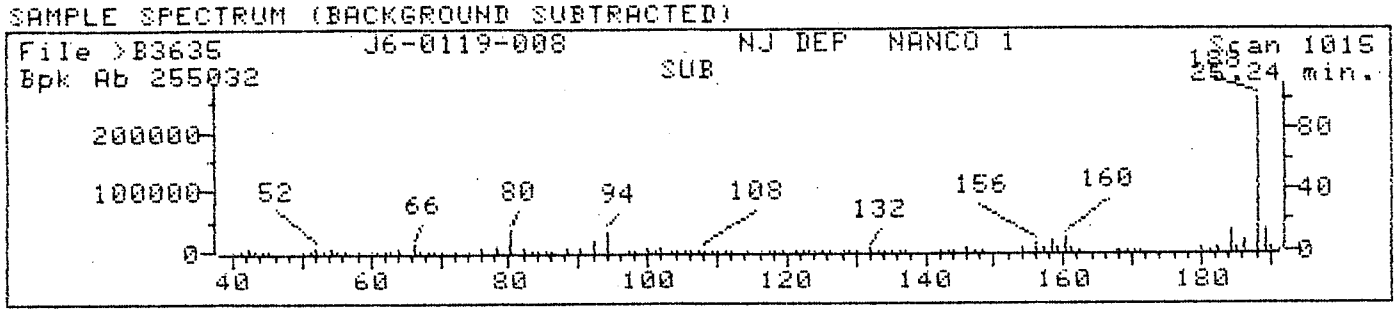
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 28 (ISTD)
Compound Name: ACENAPHTHENE-d10
Scan Number: 795
Retention Time: 20.77 min.
Area: 391630
Concentration: 40.00 UG
q-value: 98

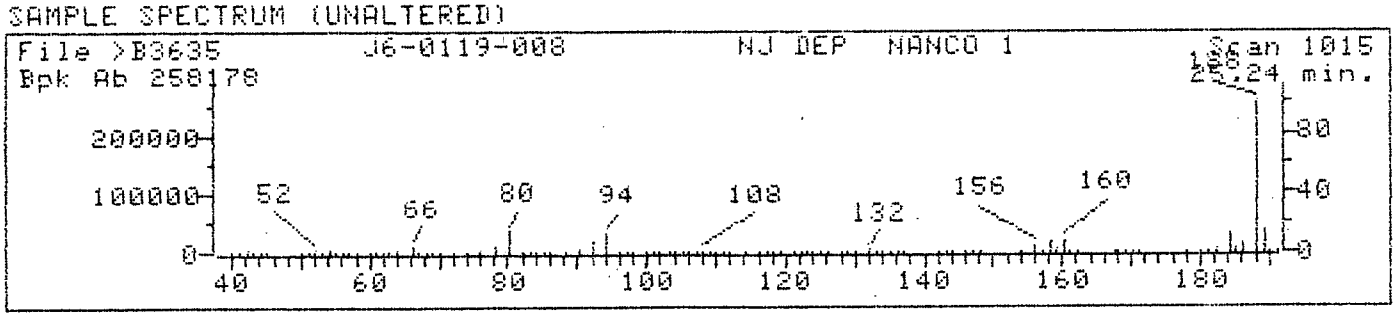
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



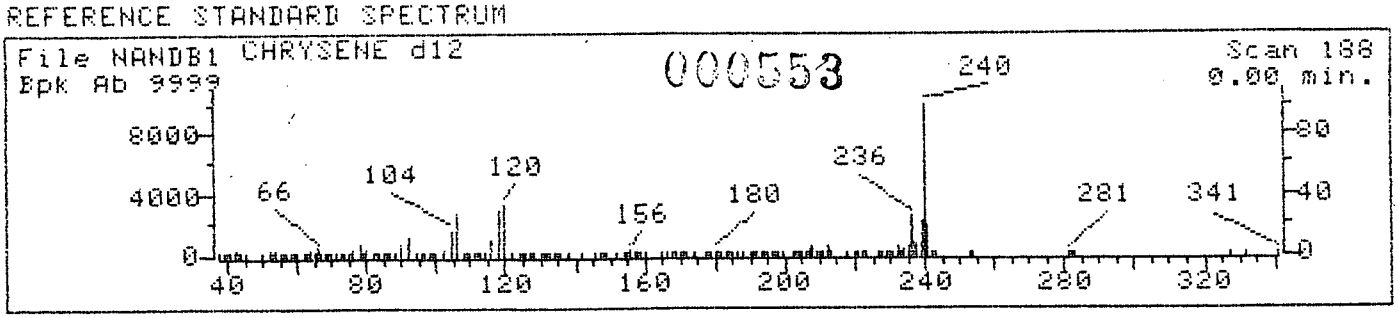
SAMPLE SPECTRUM (UNALTERED)



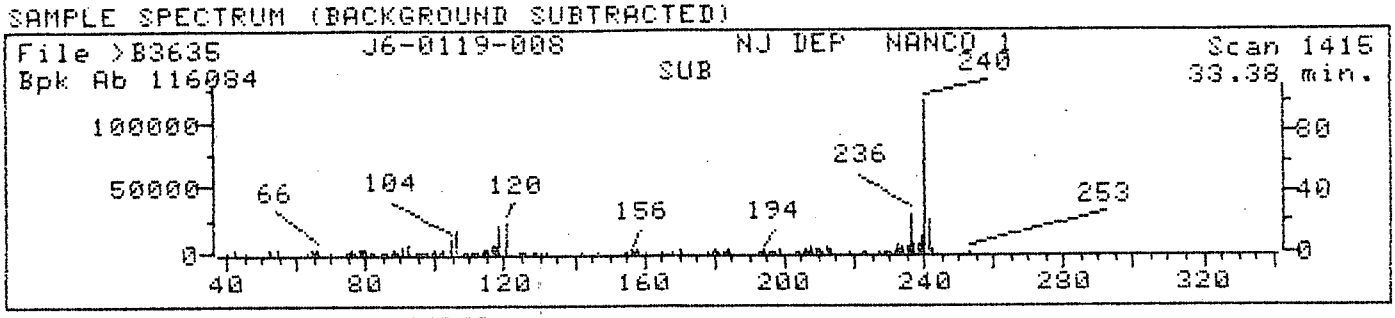
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 47 (ISTD)
Compound Name: PHENANTHRENE-d10
Scan Number: 1015
Retention Time: 25.24 min.
Area: 795873
Concentration: 40.00 UG
q-value: 93

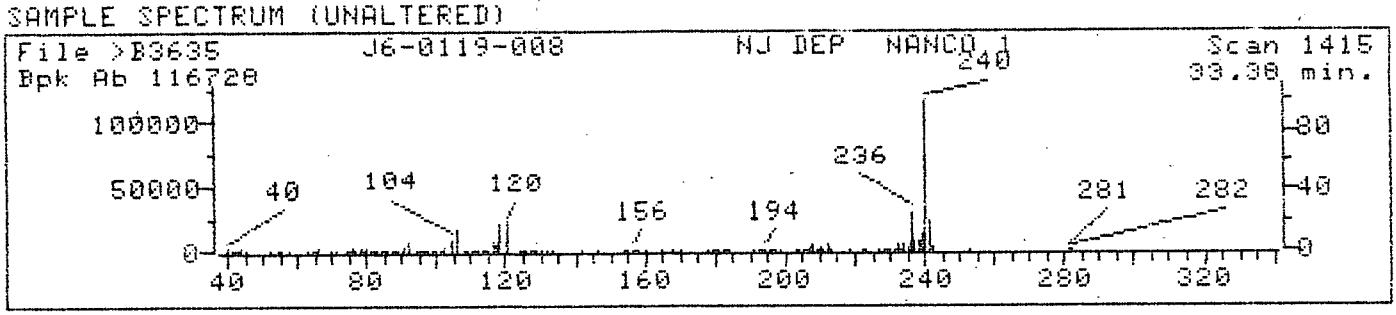
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

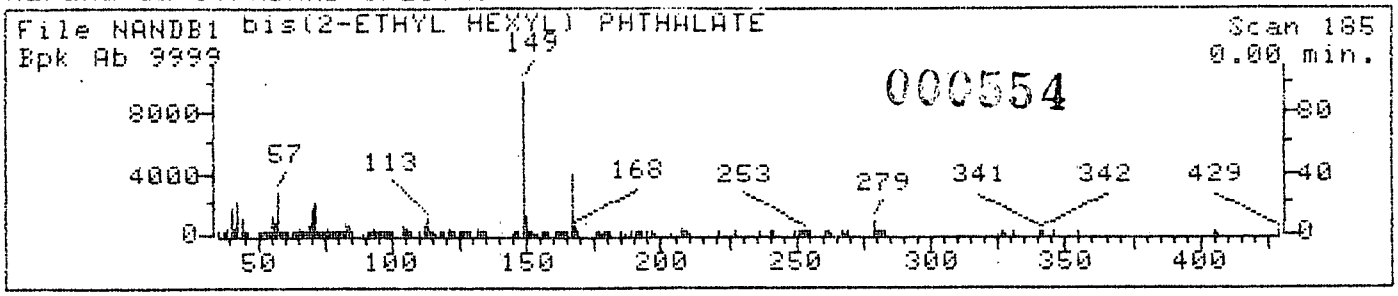


Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1
Quant Time: 861009 10:22
Injected at: 861009 03:26

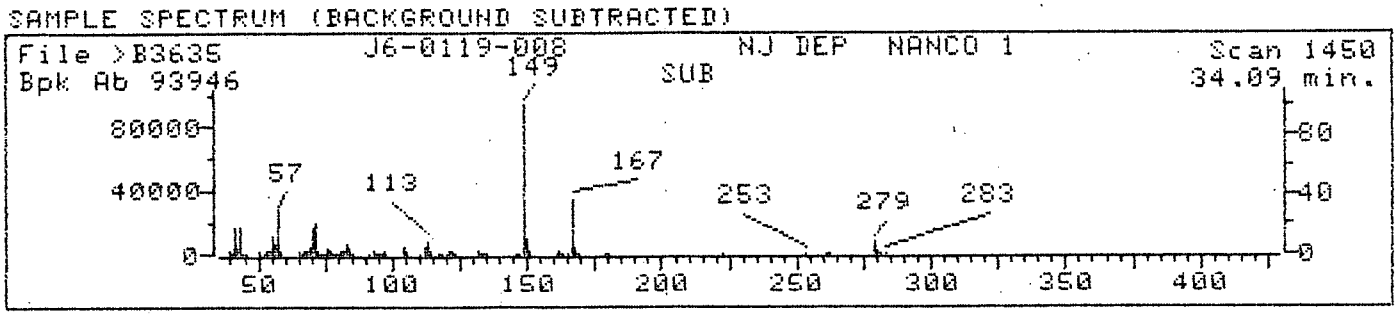
BTL#17

Compound No: S7 (ISTD)
Compound Name: CHRYSENE-d12
Scan Number: 1415
Retention Time: 33.38 min.
Area: 347966
Concentration: 40.00 UG
q-value: 100

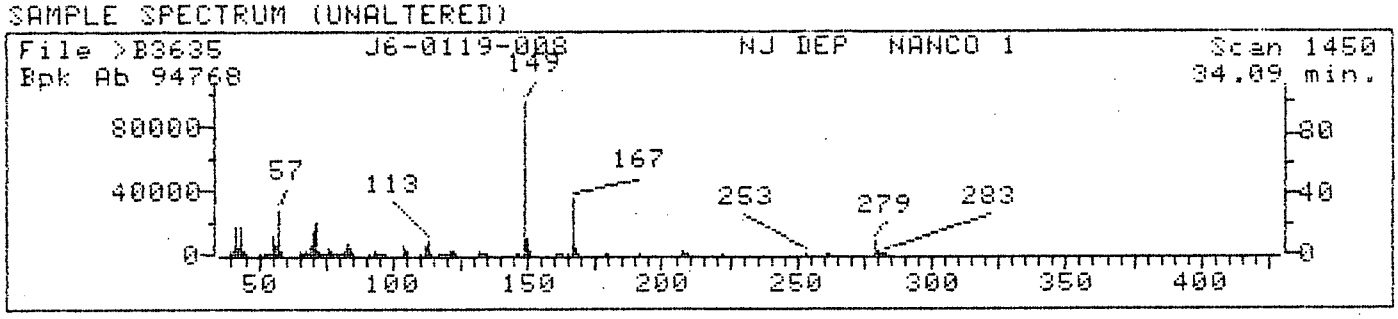
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



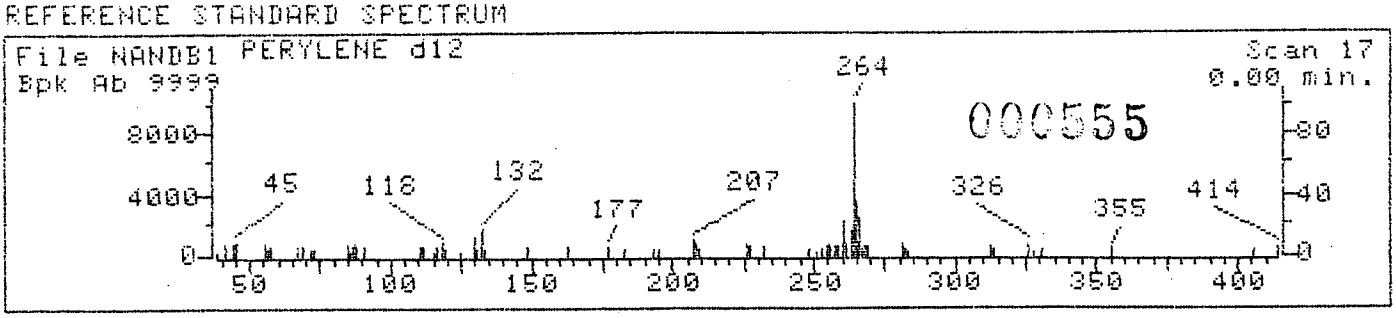
SAMPLE SPECTRUM (UNALTERED)



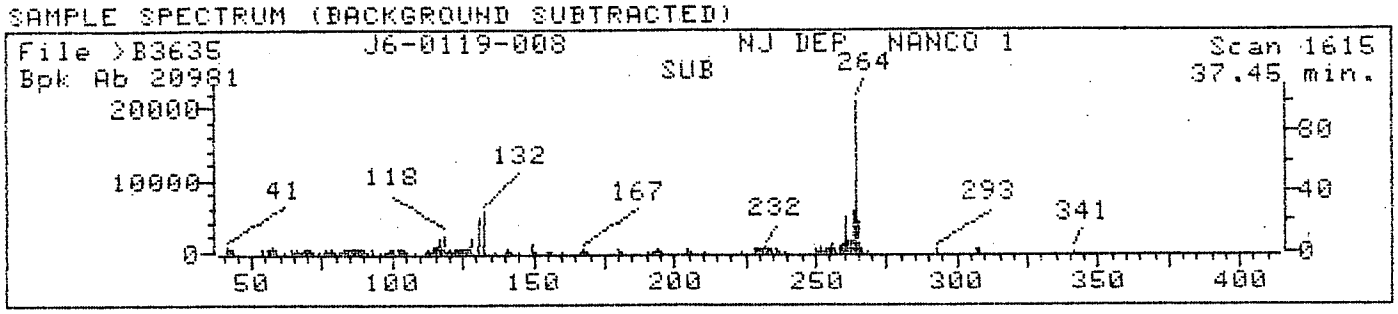
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 62
Compound Name: bis(2-Ethylhexyl)Phthalate
Scan Number: 1450
Retention Time: 34.09 min.
Area: 211935
Concentration: 49.35 UG
q-value: 94

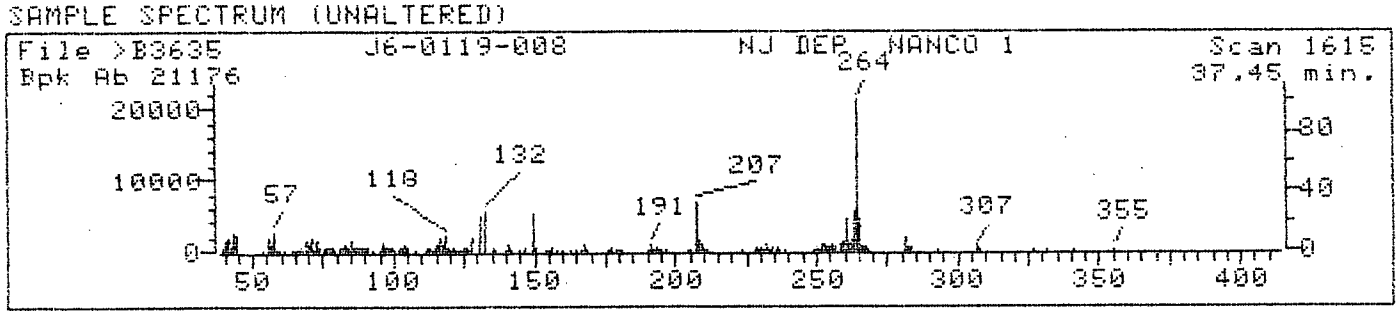
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



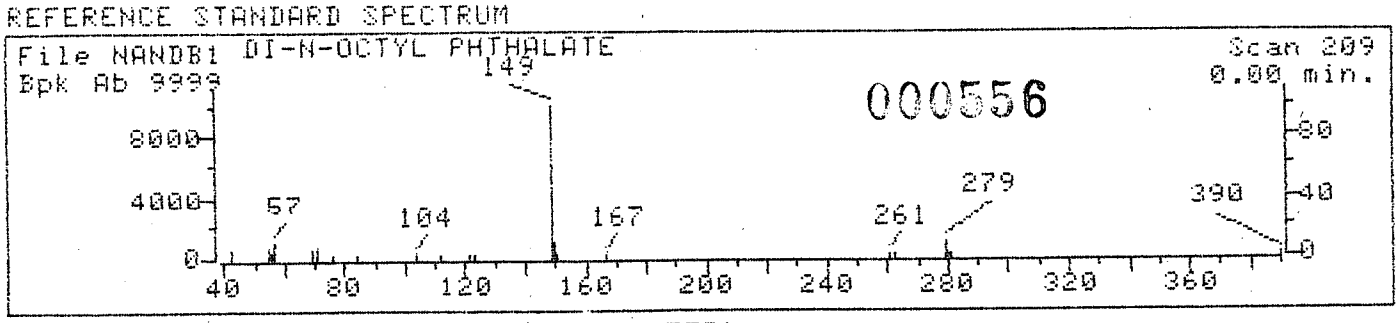
SAMPLE SPECTRUM (UNALTERED)



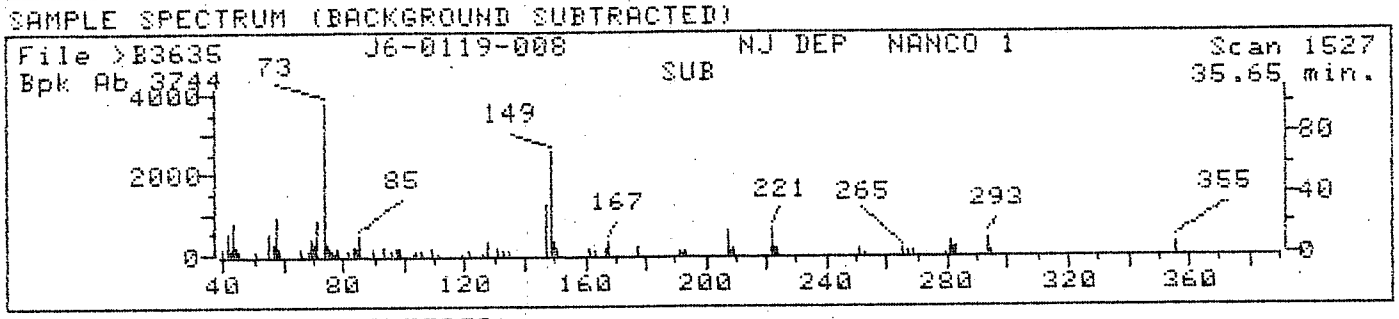
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 64 (ISTD)
Compound Name: PERYLENE-d12
Scan Number: 1615
Retention Time: 37.45 min.
Area: 89721
Concentration: 40.00 UG
q-value: 100

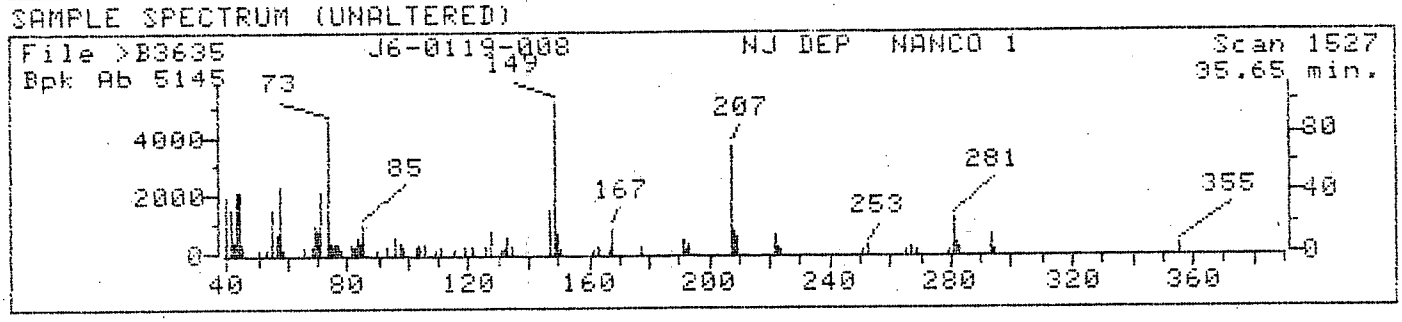
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



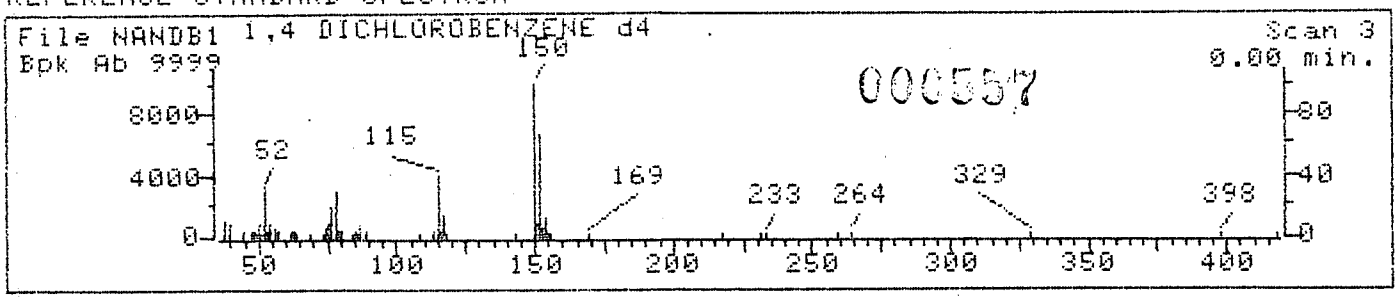
SAMPLE SPECTRUM (UNALTERED)



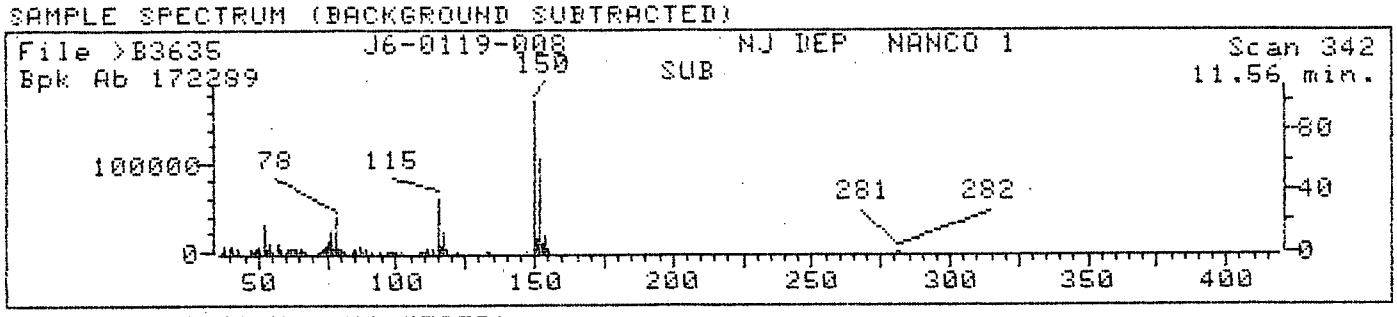
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 65
Compound Name: Di-n-Octyl Phthalate
Scan Number: 1527
Retention Time: 35.65 min.
Area: 15331
Concentration: 4.08 UG
q-value: 100

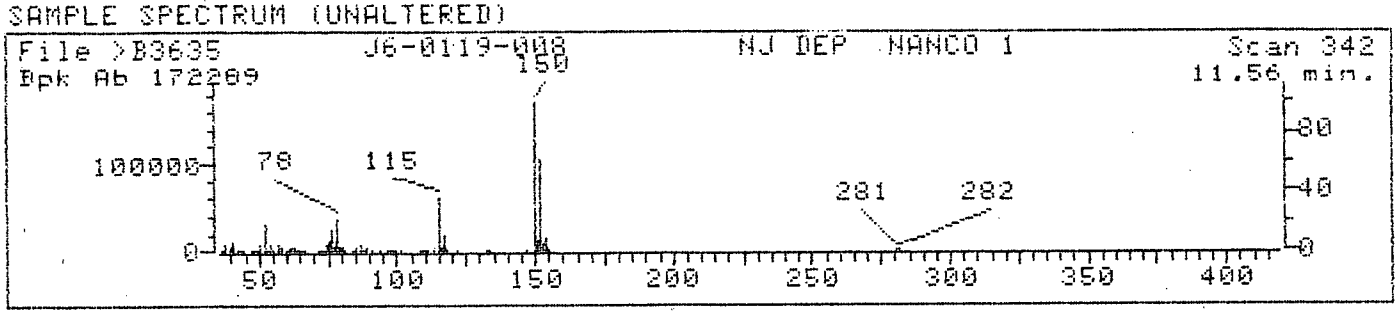
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



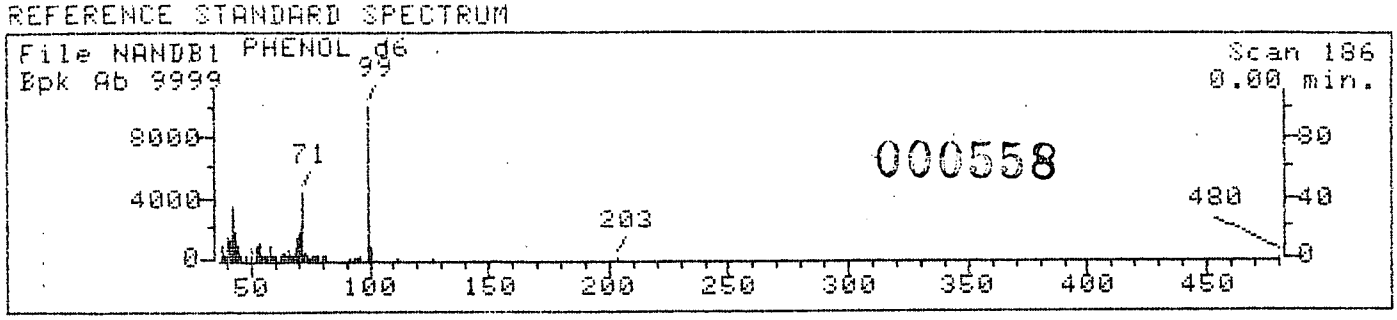
SAMPLE SPECTRUM (UNALTERED)



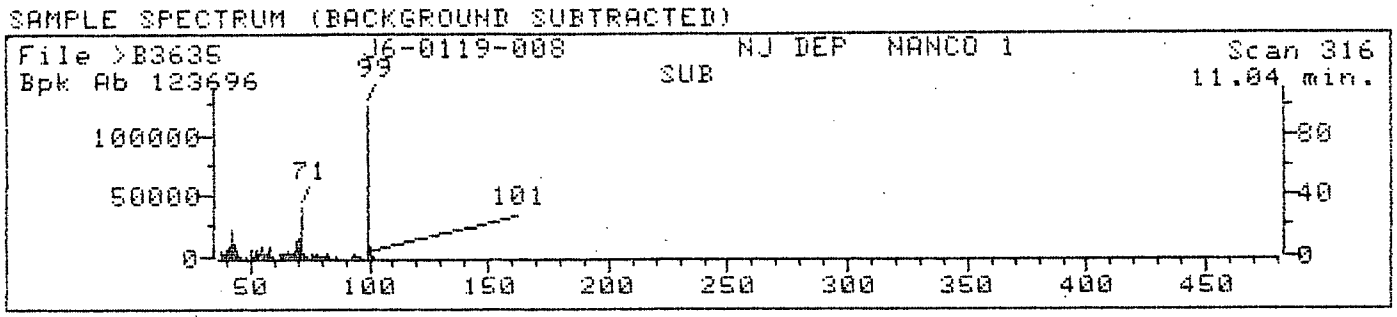
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 72 (ISTD)
Compound Name: 1,4 Dichlorobenzene(IS)
Scan Number: 342
Retention Time: 11.56 min.
Area: 212550
Concentration: 40.00 UG
q-value: 94

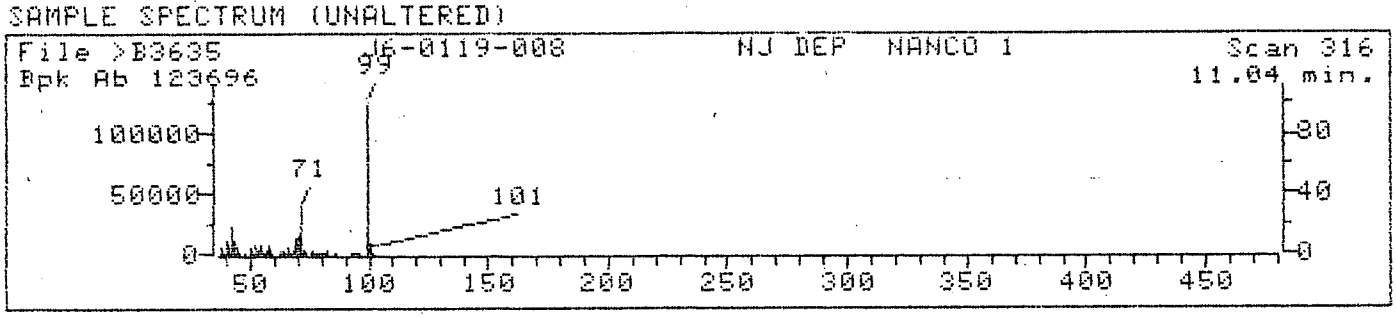
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



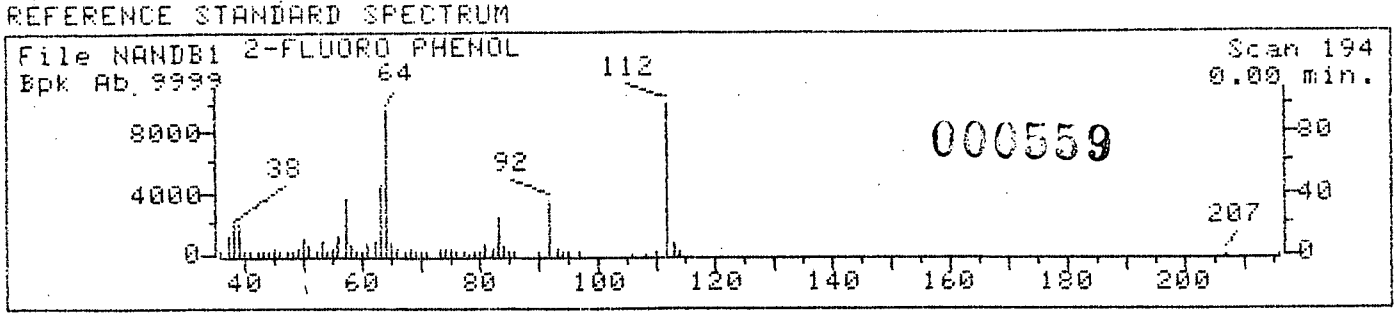
SAMPLE SPECTRUM (UNALTERED)



Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

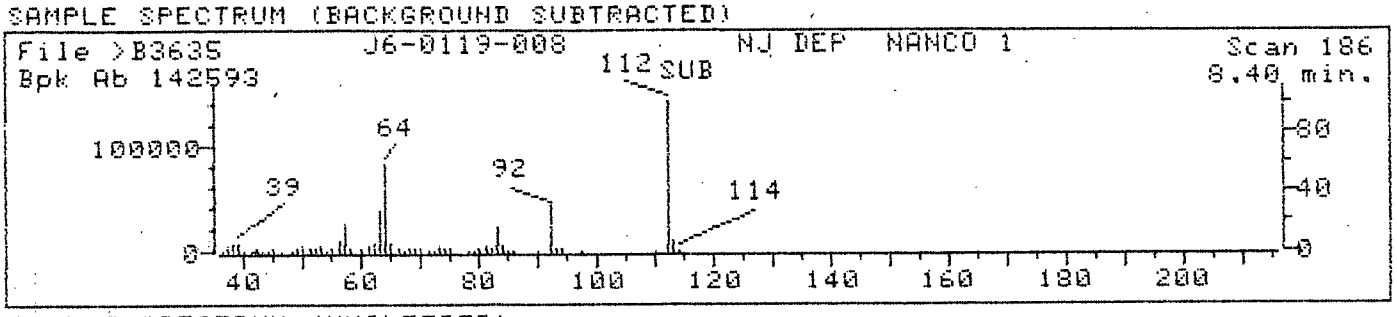
Compound No: 73
Compound Name: Phenol-d5(Surr)
Scan Number: 316
Retention Time: 11.04 min.
Area: 281055
Concentration: 66.35 UG
q-value: 73

REFERENCE STANDARD SPECTRUM

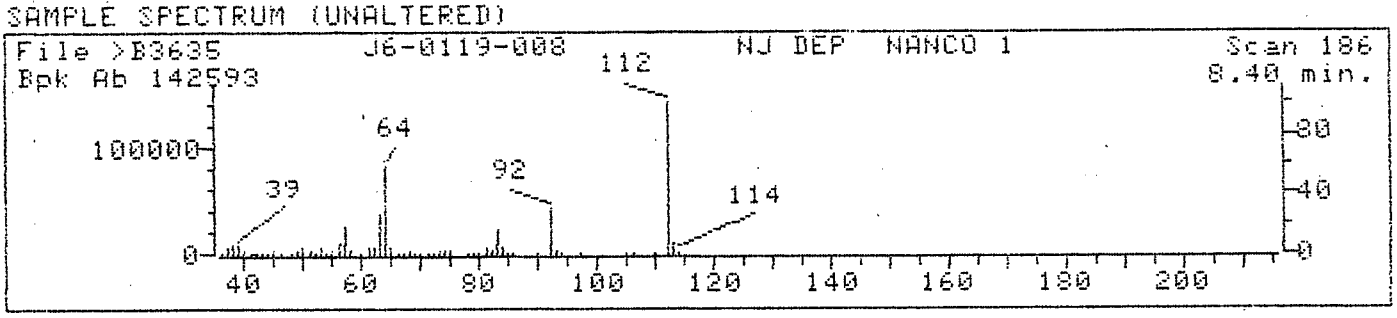


000559

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



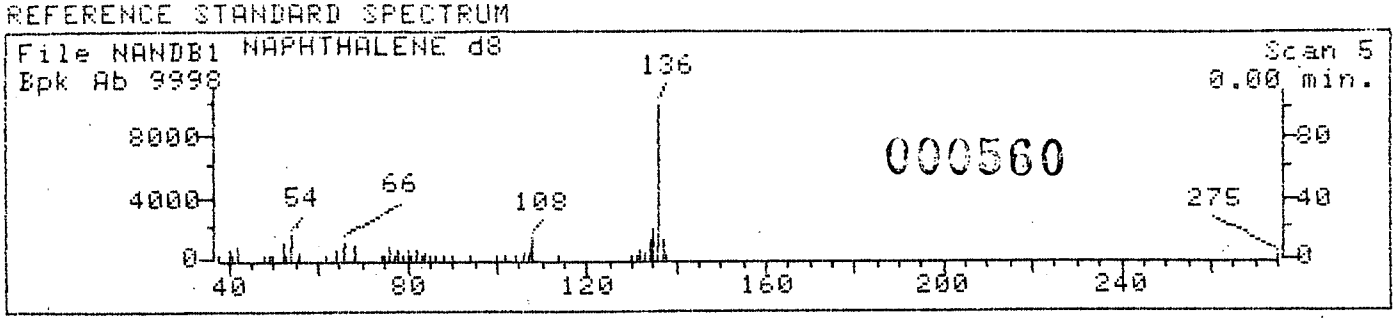
SAMPLE SPECTRUM (UNALTERED)



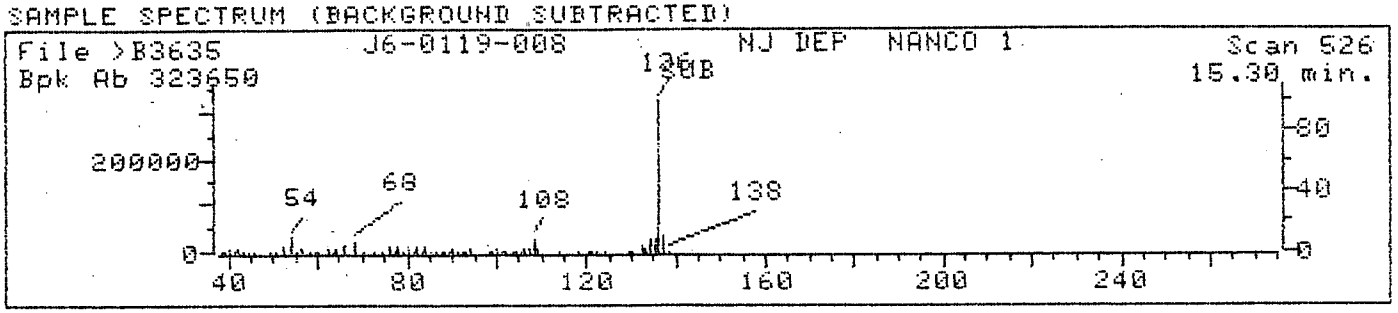
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 74
Compound Name: 2-Fluorophenol(Surr)
Scan Number: 186
Retention Time: 8.40 min.
Area: 311593
Concentration: 90.11 UG
q-value: 67

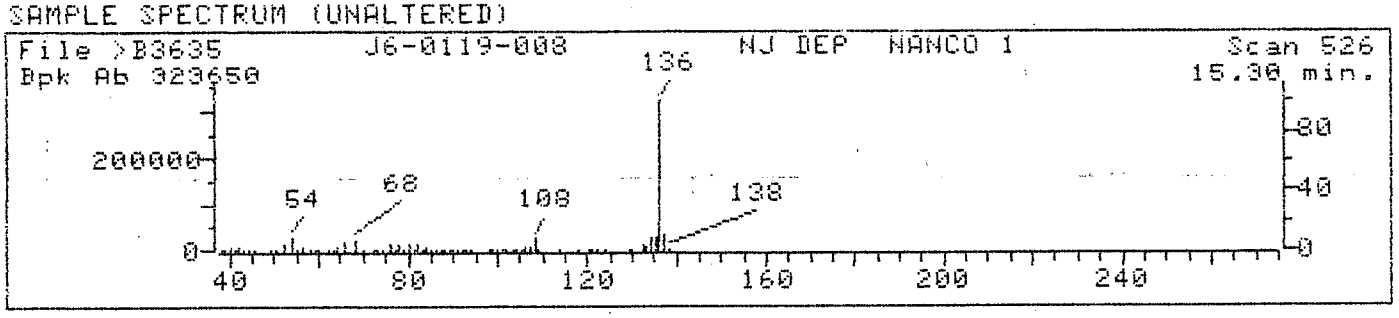
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



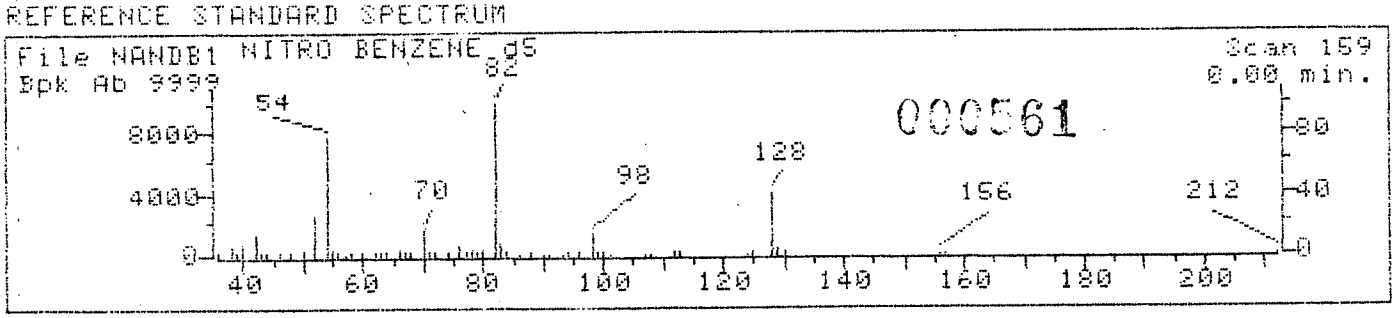
SAMPLE SPECTRUM (UNALTERED)



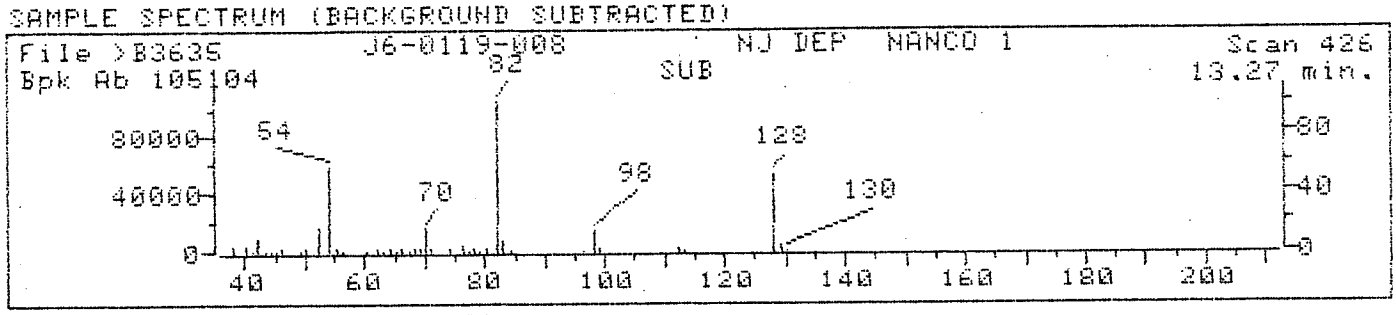
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 75 (ISTD)
Compound Name: Naphthalene-d8 (IS)
Scan Number: 526
Retention Time: 15.30 min.
Area: 792622
Concentration: 40.00 UG
q-value: 95

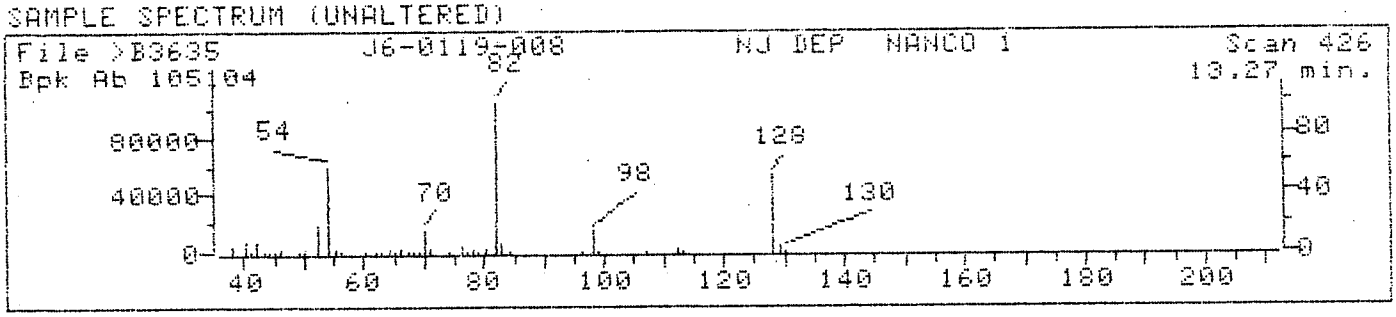
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



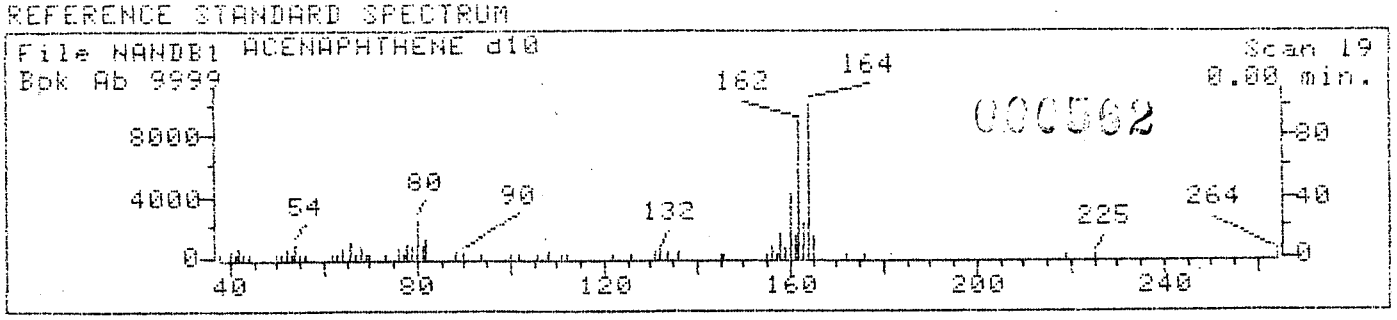
SAMPLE SPECTRUM (UNALTERED)



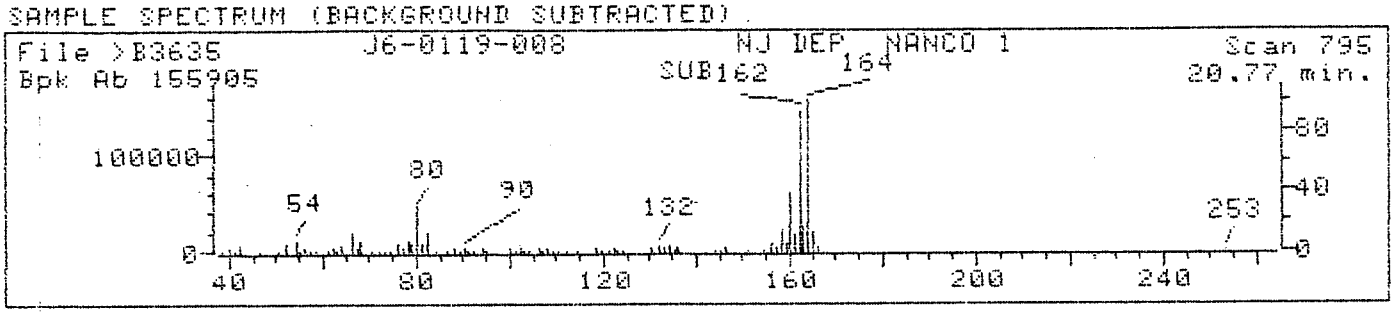
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 76
Compound Name: Nitrobenzene-d5 (Surr)
Scan Number: 426
Retention Time: 13.27 min.
Area: 256531
Concentration: 70.19 UG
q-value: 86

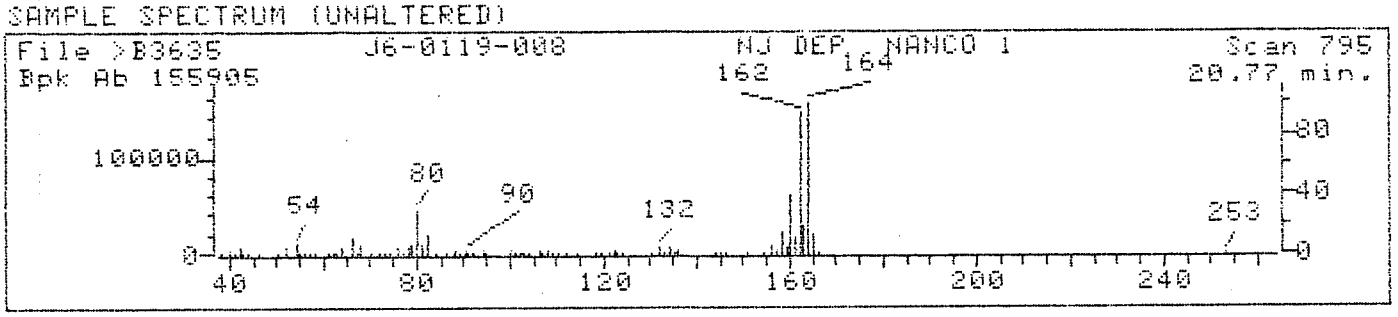
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



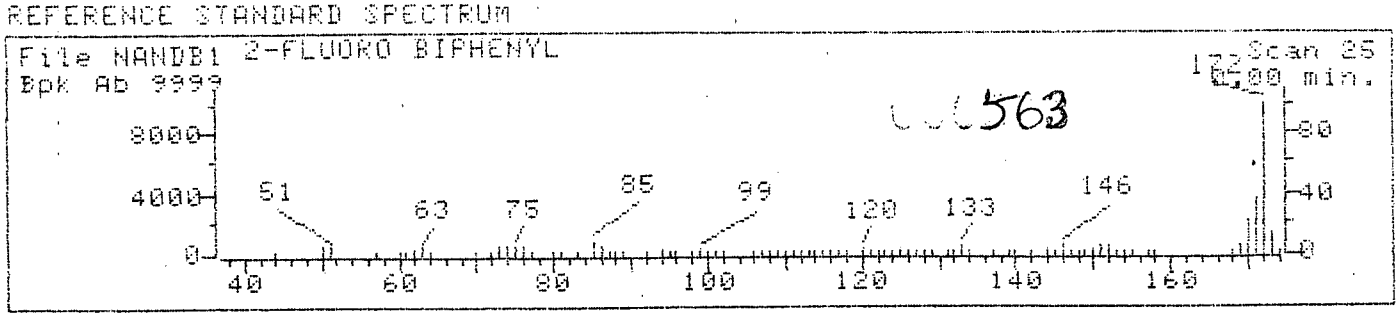
SAMPLE SPECTRUM (UNALTERED)



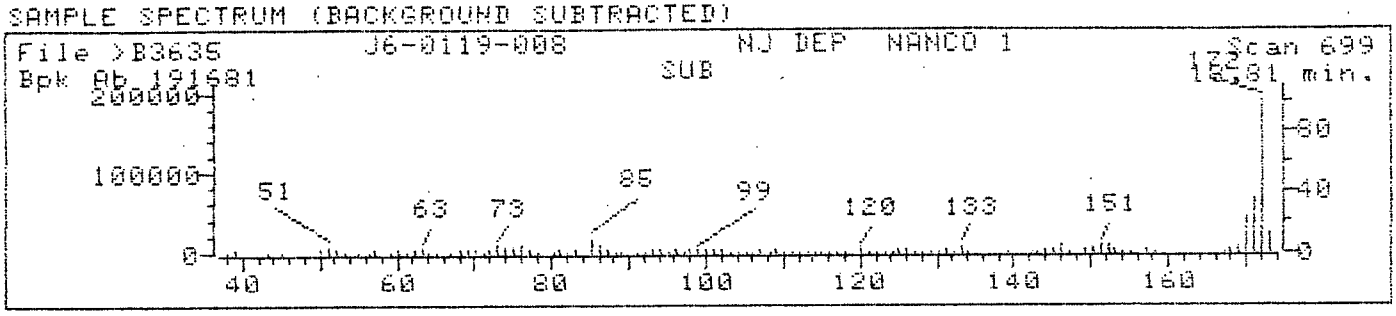
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 77 (ISTD)
Compound Name: Acenaphthene-d10 (IS)
Scan Number: 795
Retention Time: 20.77 min.
Area: 391630
Concentration: 40.00 UG
q-value: 98

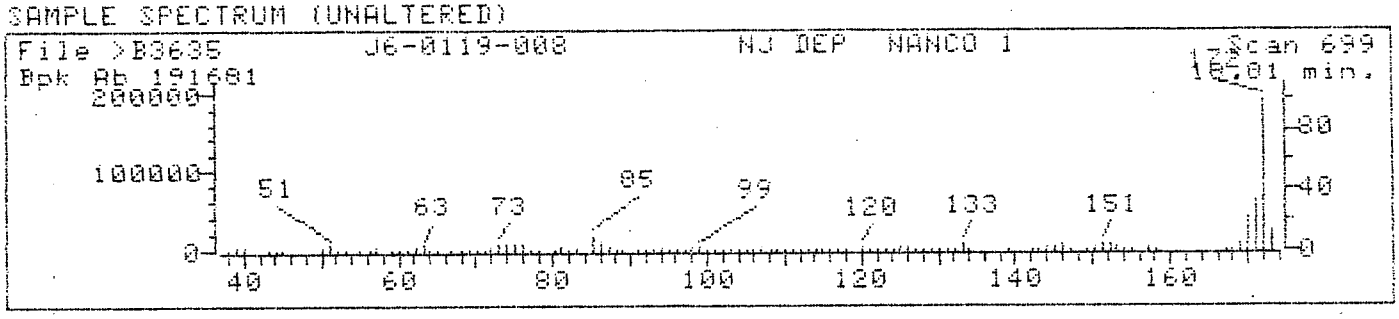
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



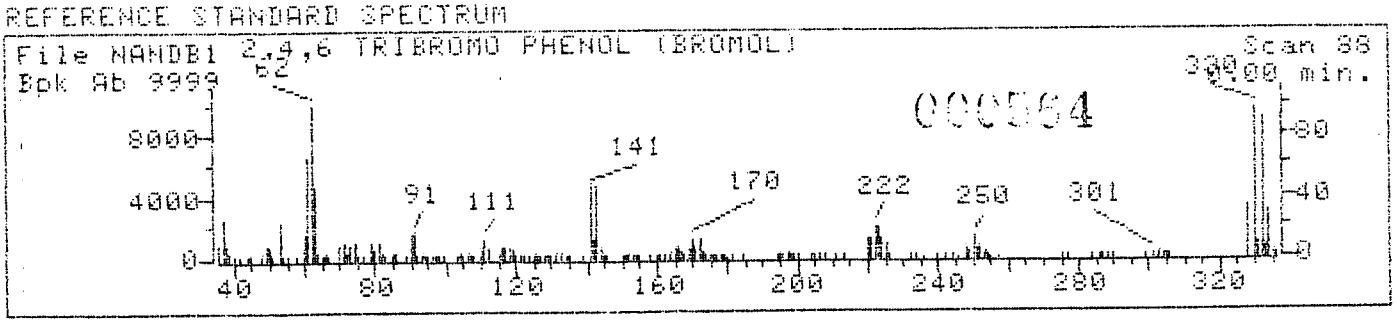
SAMPLE SPECTRUM (UNALTERED)



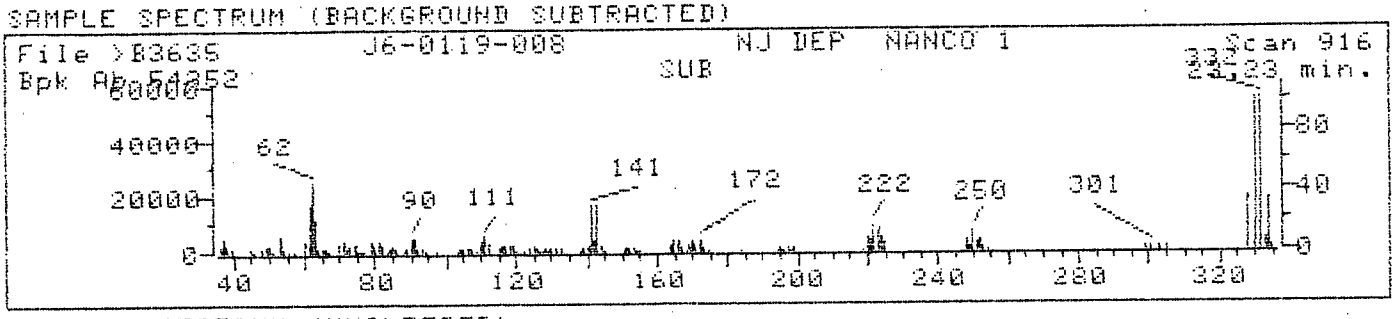
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 78
Compound Name: 2-Fluorobiphenyl (Surr)
Scan Number: 699
Retention Time: 18.81 min.
Area: 507076
Concentration: 77.4% UG
q-value: 98

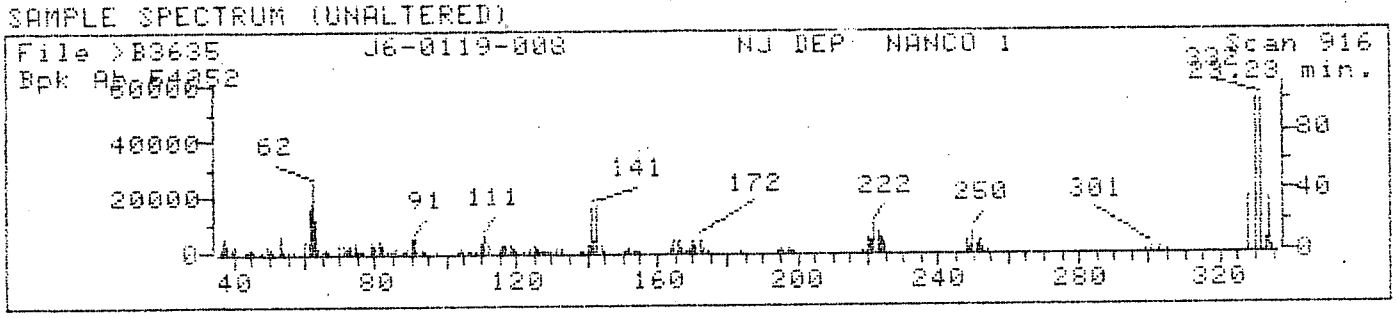
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



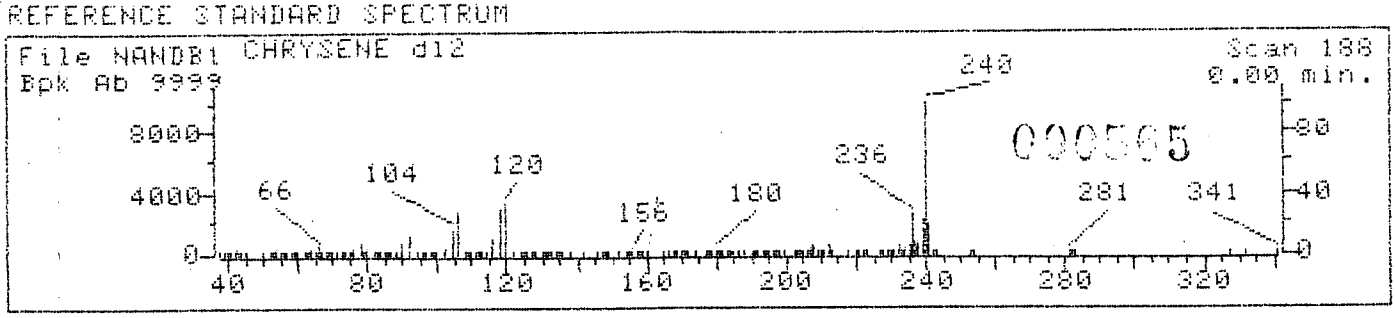
SAMPLE SPECTRUM (UNALTERED)



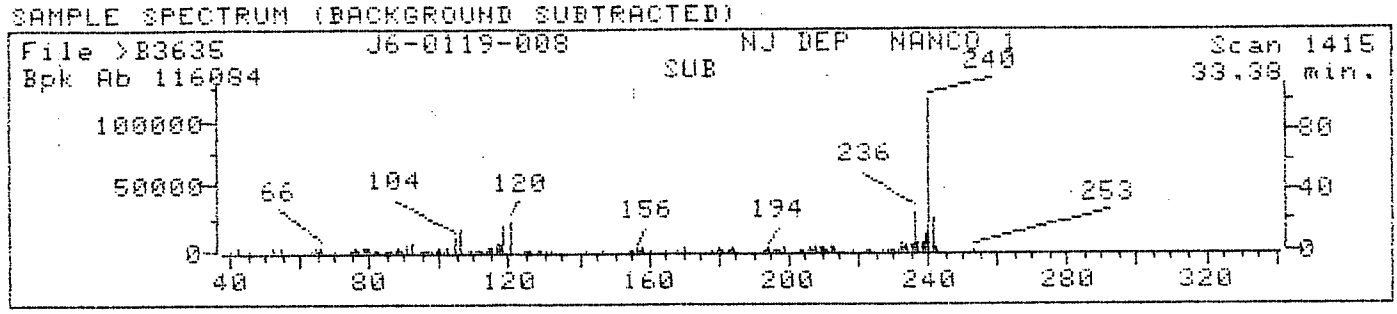
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 79
Compound Name: 2,4,6-Tribromophenol(Surr)
Scan Number: 916
Retention Time: 23.23 min.
Area: 165062
Concentration: 233.62 UG
q-value: 88

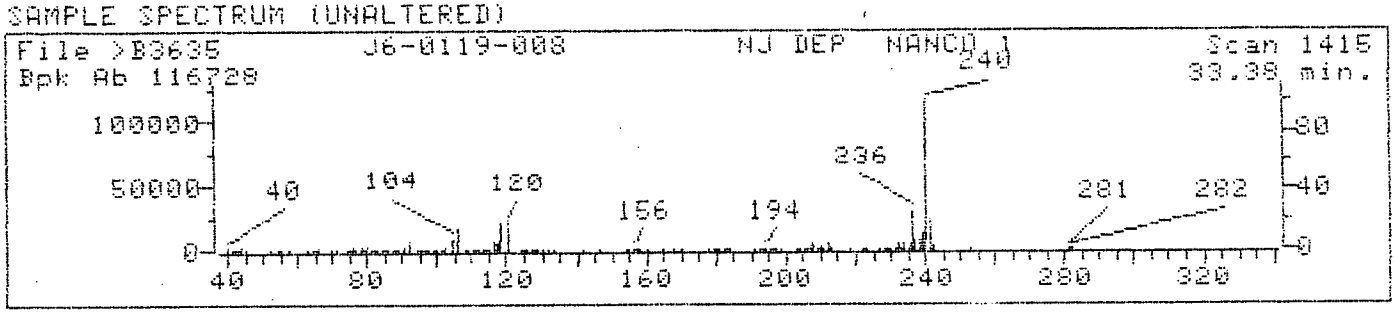
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



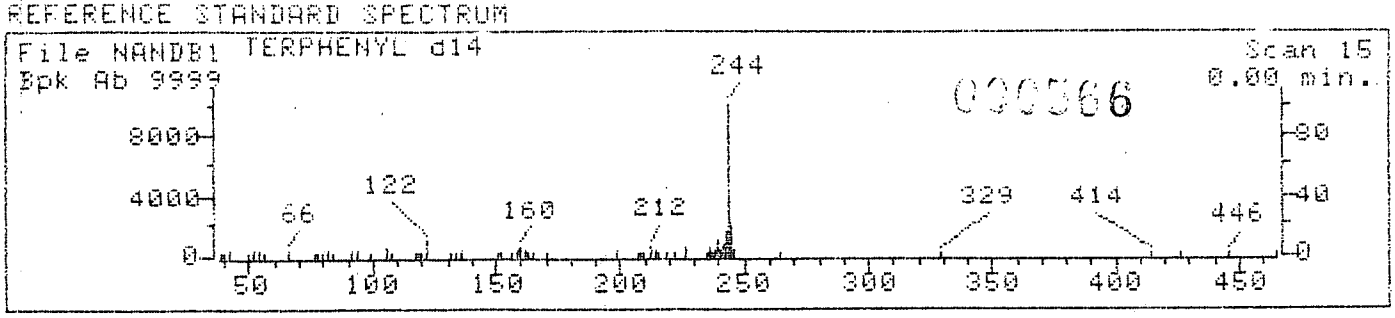
SAMPLE SPECTRUM (UNALTERED)



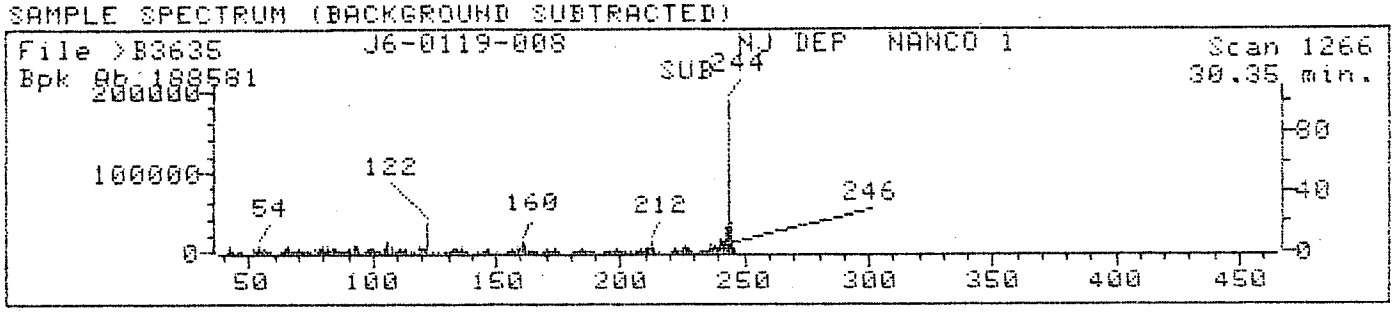
Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 80 (ISTD)
Compound Name: Chrysene-d12 (IS)
Scan Number: 1415
Retention Time: 33.38 min.
Area: 348992
Concentration: 40.00 UG
q-value: 100

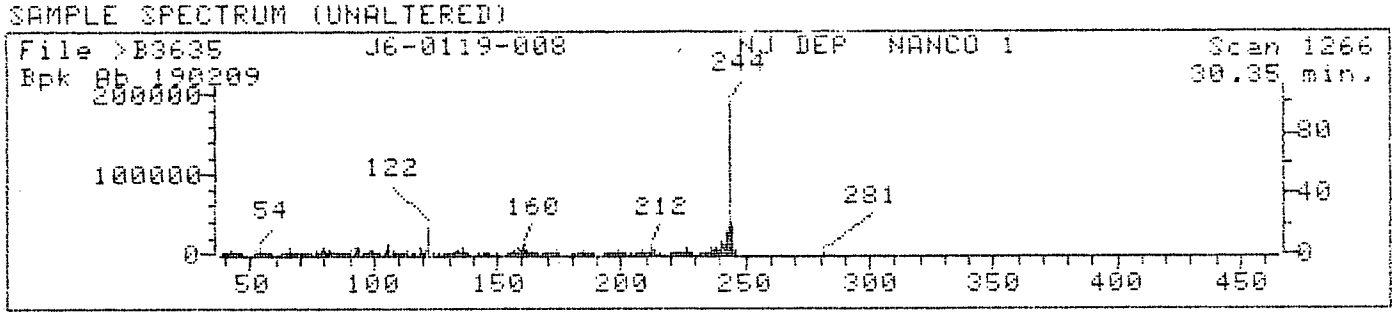
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



Data File: >B3635::D1
Name: J6-0119-008
Misc: NJ DEP NANCO 1 BTL#17
Quant Time: 861009 10:22
Injected at: 861009 03:26

Compound No: 81
Compound Name: Terphenyl-d14 (Surr)
Scan Number: 1266
Retention Time: 30.35 min.
Area: ~~514081~~ 332665 (SJ)
Concentration: ~~201.00~~ UG
q-value: 99 130.12

MS data file header from : >B3635

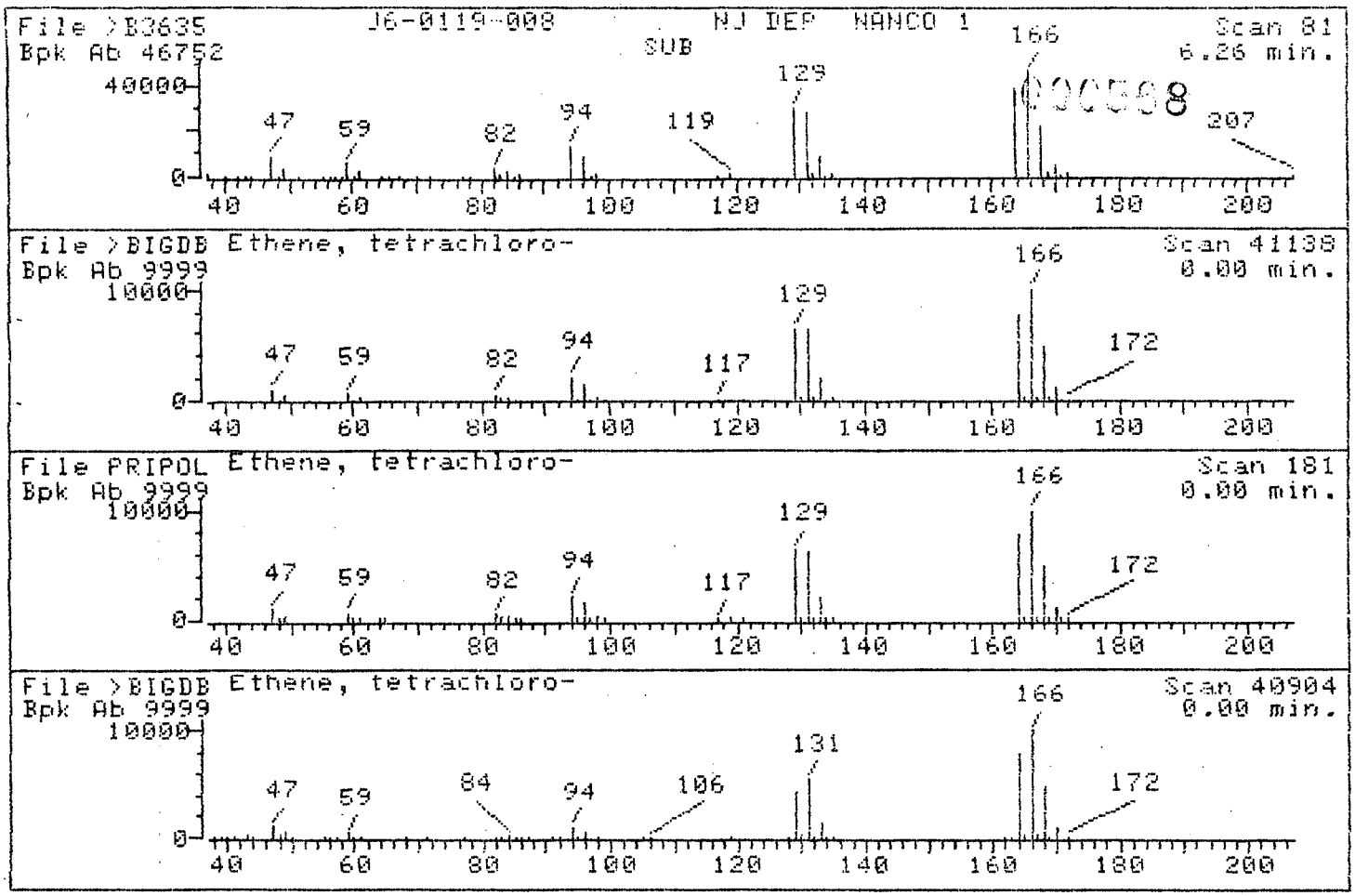
Sample: J6-0119-008 Operator: JAHANI MS 10/09/86 3:26
Misc : NJ DEP NANCO 1 BTL#17
Sys. #: 1 MS model: 96 SW/HW rev.: IA ALS # : 0
Method file: METH01 Tuning file: MT7986 No. of extra records: 1
Source temp.: 200 Analyzer temp.: 220 Transfer line temp. : 280

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

>B3635 J6-0119-008 NJ DEP NANCO 1 000587
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	6.264	79	81	92	231751	831669	724152	9.75	2.627
2	7.807	154	157	160	817362	1872977	1786918	24.06	6.482
3	8.072	165	170	173	2233422	7567750	7425883	100.00	26.939
SR 4	8.397	184	186	196	470130	1138163	1054720	14.20	3.826
5	8.661	196	199	201	438545	1022844	959411	12.92	3.480
SR 6	11.036	313	316	324	306204	869879	800770	10.78	2.905
IS 7	11.564	337	342	345	600219	1382019	1332521	17.94	4.834
SR 8	13.270	423	426	432	319306	845971	761625	10.26	2.763
9 H	14.691	492	496	500	78010	371516	304954	4.11	1.106
IS 10	15.301	521	526	529	662808	1930084	1862448	25.08	6.756
11	17.129	602	616	619	51025	650314	392135	5.28	1.423
SR 12	18.815	694	699	702	539184	1568595	1521016	20.48	5.518
IS 13	20.765	786	795	798	664849	1822565	1737692	23.40	6.304
SR 14	23.225	913	916	925	415187	1421205	1302439	17.54	4.725
IS 15	25.259	1012	1016	1019	613695	2016655	1839938	24.78	6.675
SR 16	30.346	1262	1266	1269	568923	1669582	1517858	20.44	5.506
IS 17	33.375	1411	1415	1422	342471	1257009	1072515	14.44	3.891
18 H	34.088	1448	1450	1453	331179	884769	772353	10.40	2.802
IS 19	37.470	1611	1616	1623	76858	1324462	396273	5.34	1.438

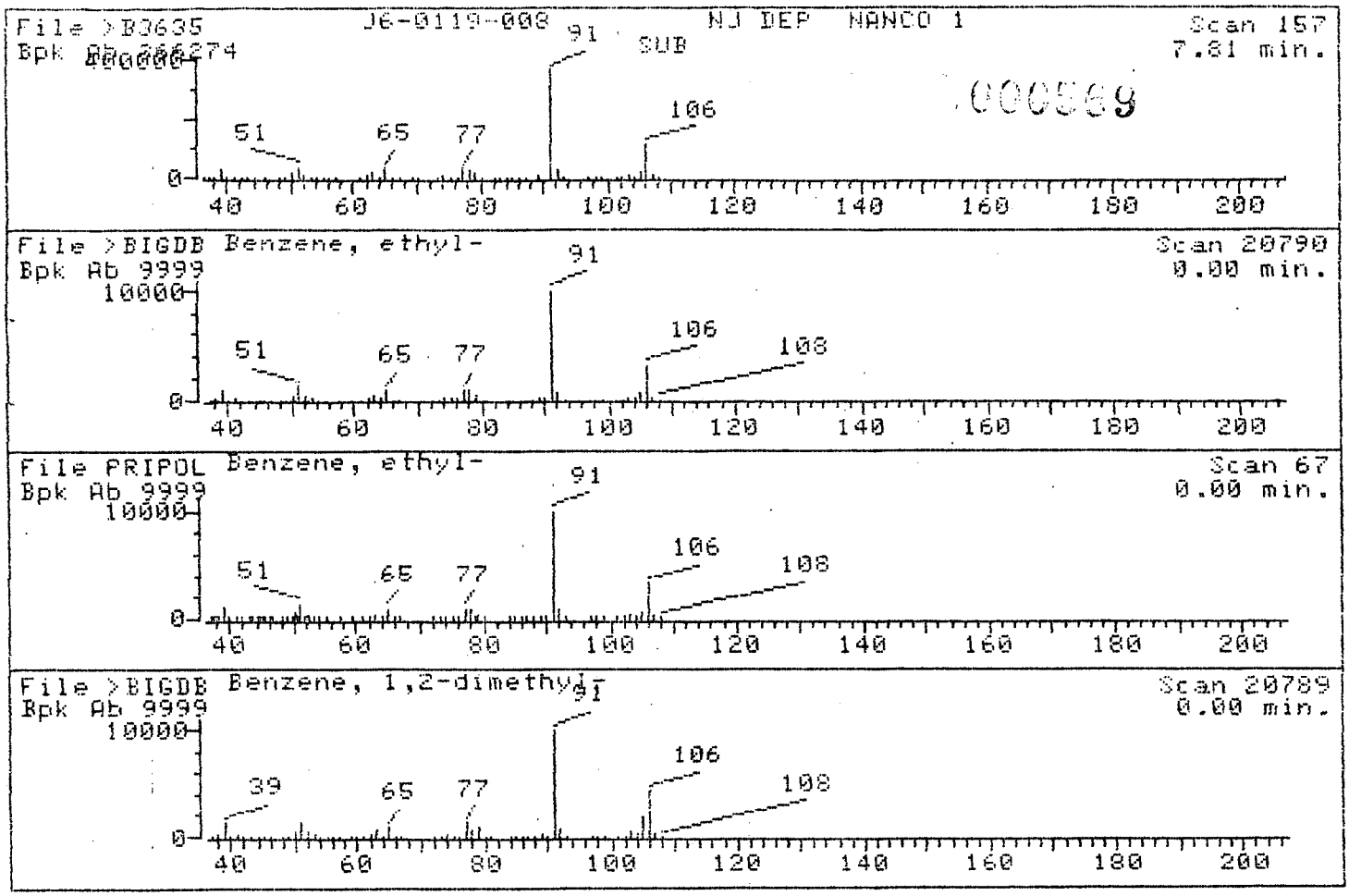
Sum of corrected areas: 27565632.



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: >B3635 Spectrum #: 81
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*	127184	41138	"BIGDB	99	23	0	0	88	2	72	97
2.	97*	181	280	PRIPOL	99	23	0	0	88	2	72	97
3.	89*	127184	40904	"BIGDB	68	52	1	0	95	4	66	66
4.	89*	180	279	PRIPOL	68	52	1	0	95	4	66	66
5.	86*	184	283	PRIPOL	63	80	3	0	91	2	60	31

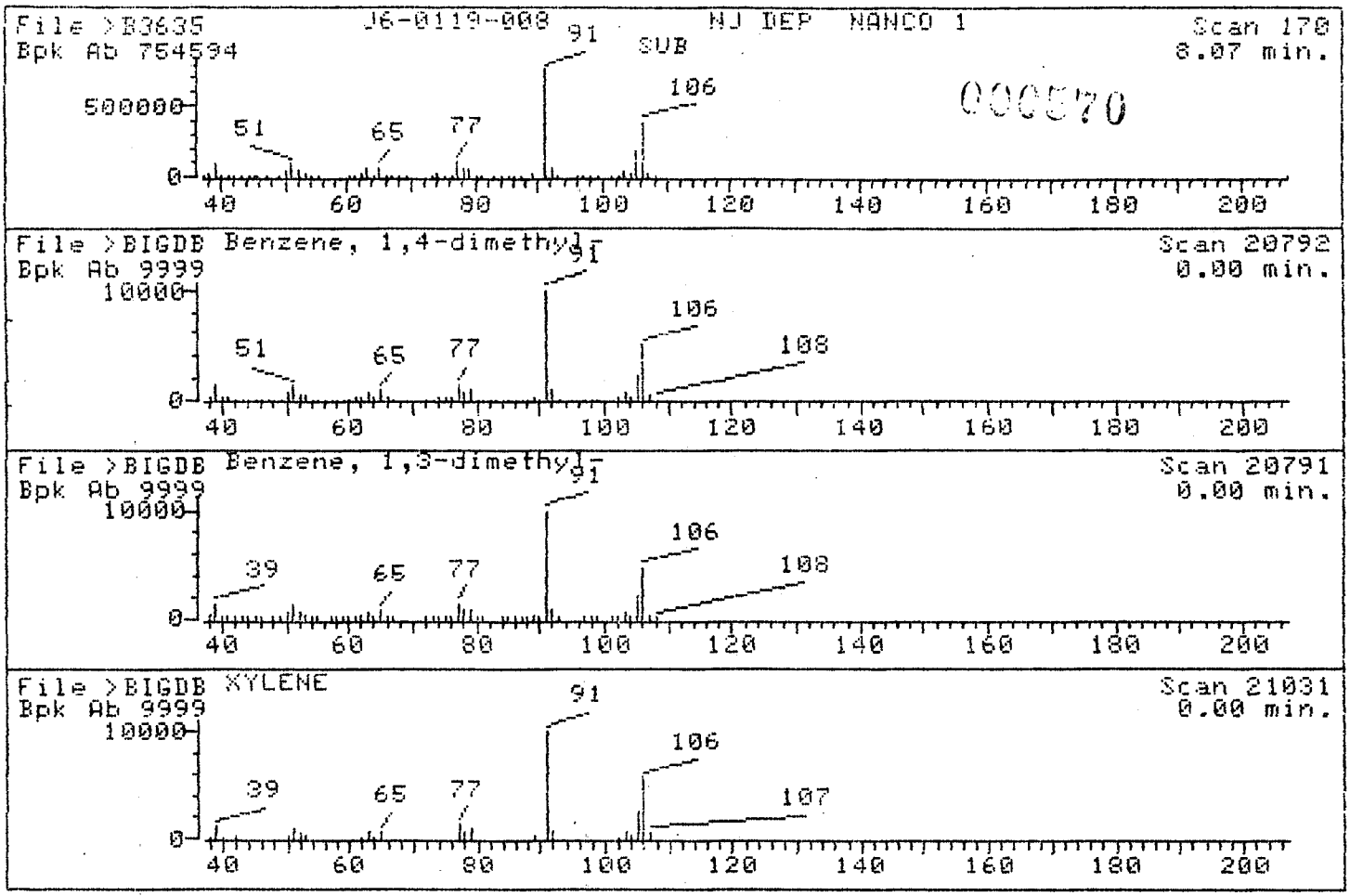


000569

1. Benzene, ethyl- 106 C8H10
2. Benzene, ethyl- 106 C8H10
3. Benzene, 1,2-dimethyl- 106 C8H10
4. Benzene, 1,3-dimethyl- 106 C8H10
5. Benzene, (4-bromobutyl)- 212 C10H13Br

Sample file: >B3635 Spectrum #: 157
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*	100414	20790	"BIGDB	82	0	0	0	77	0	72	97
2.	97*	67	166	PRIPOL	82	0	0	0	77	0	72	97
3.	83*	95476	20789	"BIGDB	48	41	2	0	72	5	57	28
4.	65*	108383	20791	"BIGDB	55	20	1	0	48	35	24	52
5.	52	13633255	14997	"BIGDB	52	44	2	0	94	16	20	14



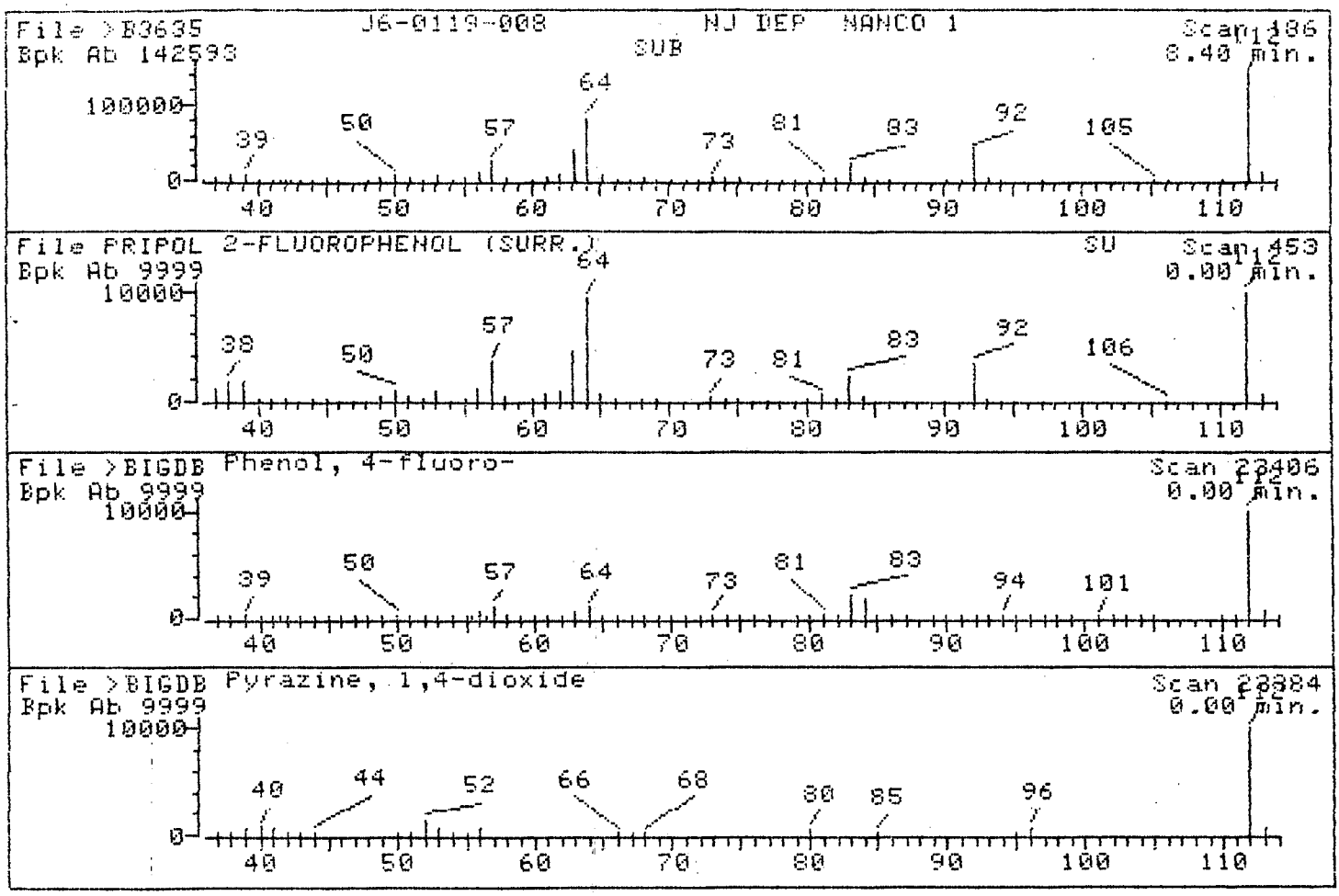
Isomer of dimethyl Benz.

1.	Benzene, 1,4-dimethyl-	106	C8H10
2.	Benzene, 1,3-dimethyl-	106	C8H10
3.	XYLENE	106	C8H10
4.	Benzene, 1,3-dimethyl-	106	C8H10
5.	Benzene, 1,4-dimethyl-	106	C8H10

16

Sample file: >B3635 Spectrum #: 170
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*	106423	20792	"BIGDB	90	0	0	0	88	0	72	97
2.	97*	108383	20791	"BIGDB	90	0	0	0	94	0	72	97
3.	97*	1330207	21031	"BIGDB	90	1	0	0	77	0	72	97
4.	97*	108383	21029	"BIGDB	88	2	0	0	72	0	72	97
5.	97*	106423	21033	"BIGDB	83	7	0	0	70	0	72	97

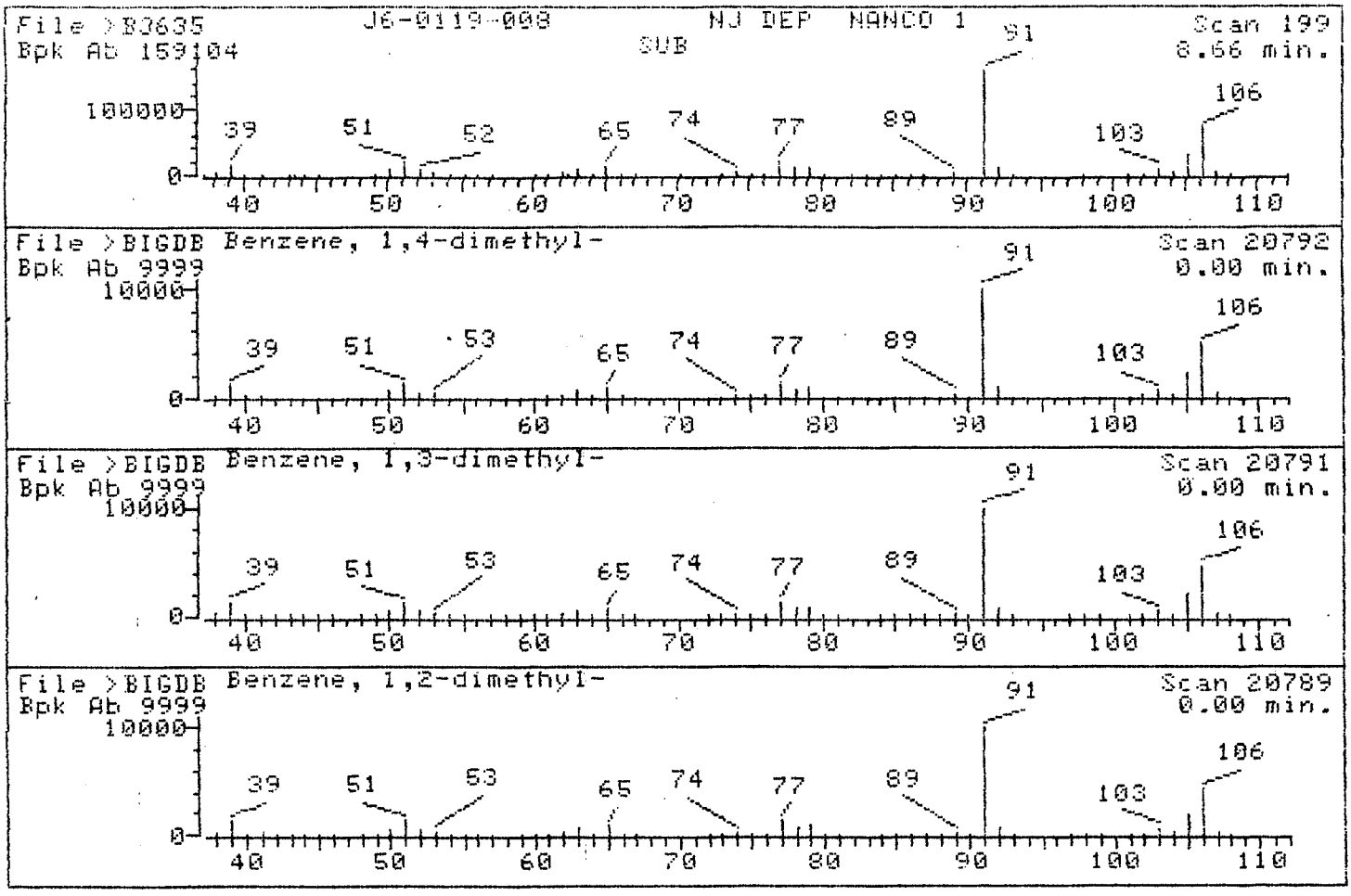


000571

1. 2-FLUOROPHENOL (SURR.) SU 112 C6.H5FO
   RROGATE COMPOUND BNA
   SURROGATE
2. Phenol, 4-fluoro- 112 C6H5FO
3. Pyrazine, 1,4-dioxide 112 C4H4N2O2

Sample file: >B3635 Spectrum #: 186
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.	62*	453	57	PRIPOL	62	54	2	0	58	26	25	40
2.	28*	371415	23406	"BIGDB	32	58	2	0	69	42	8	16
3.	15*	2423849	23384	"BIGDB	24	55	3	0	100	56	3	12



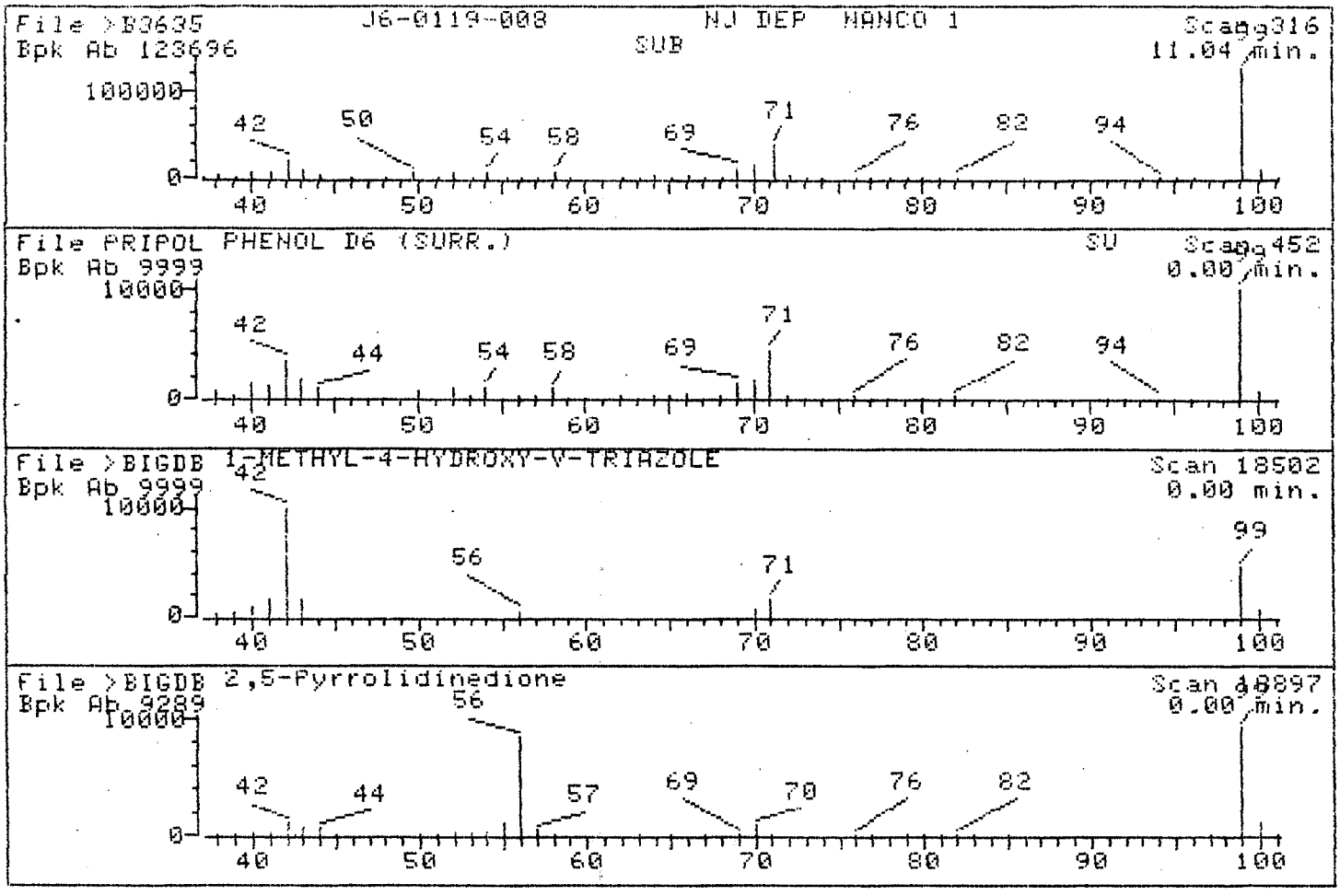
isomer of dimethyl xylenes 000572

16

1.	Benzene, 1,4-dimethyl-	106	C8H10
2.	Benzene, 1,3-dimethyl-	106	C8H10
3.	Benzene, 1,2-dimethyl-	106	C8H10
4.	XYLENE	106	C8H10
5.	Benzene, 1,3-dimethyl-	106	C8H10

Sample file: >B3635 Spectrum #: 199
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*	106423	20792	"BIGDB	90	0	0	0	81	0	72	97
2.	97*	108383	20791	"BIGDB	90	0	0	0	88	0	72	97
3.	97*	95476	20789	"BIGDB	89	0	0	0	81	0	72	97
4.	97*	1330207	21031	"BIGDB	90	1	0	0	72	0	72	97
5.	97*	108383	21029	"BIGDB	88	2	0	0	67	0	72	97

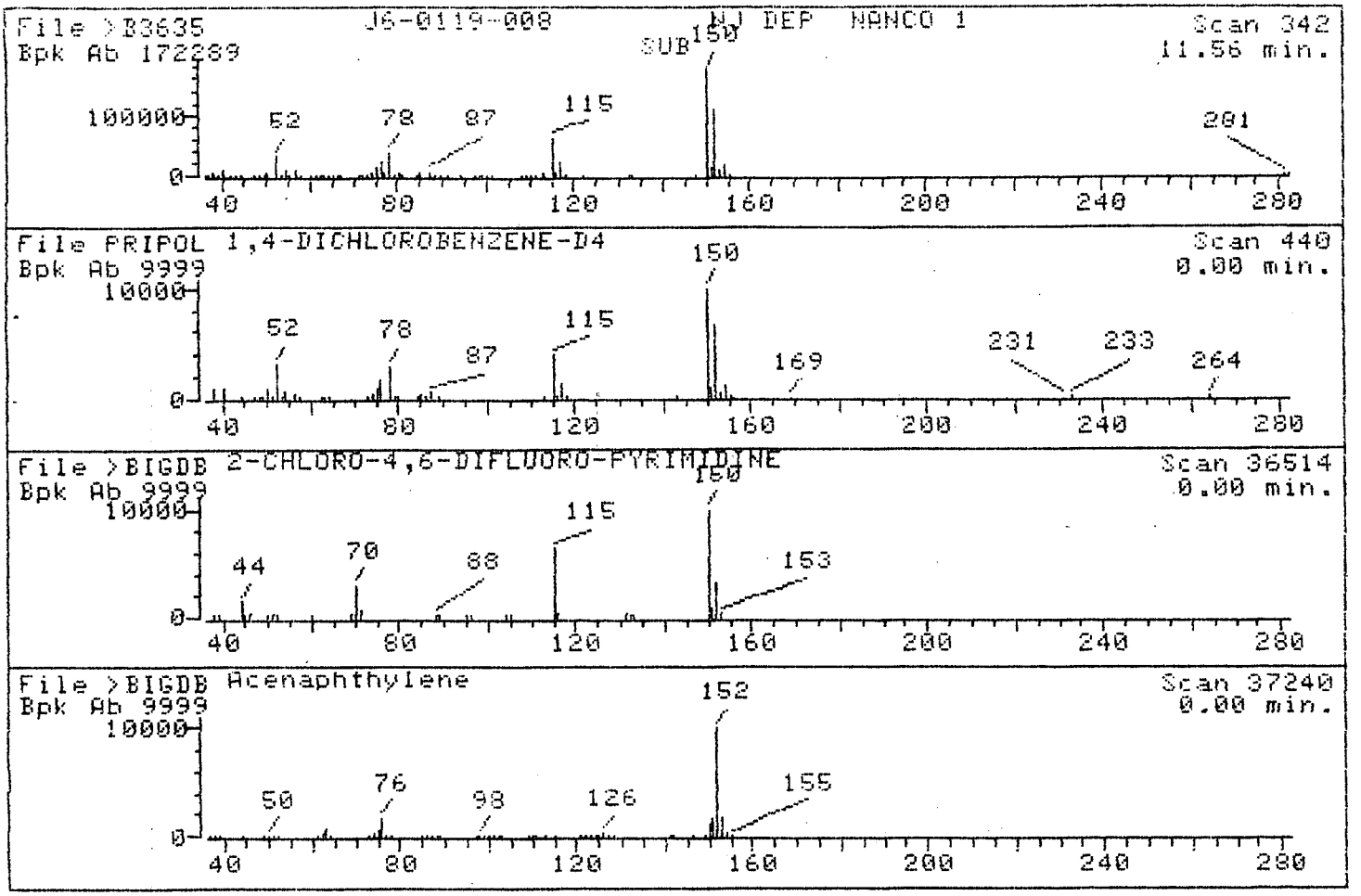


000573

1. PHENOL D6 (SURR.)	SU	100	C6.D6.0
RROGATE COMPOUND	BNA		
SURROGATE			
2. 1-METHYL-4-HYDROXY-V-TRIAZOLE		99	C3H5N3O
3. 2,5-Pyrrolidinedione		99	C4H5NO2
4. 2,5-Pyrrolidinedione		99	C4H5NO2

Sample file: >B3635 Spectrum #: 316
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.	92*	452	159	PRIPOL	66	13	0	0	49	27	57	95
2.	42*	0	18502	"BIGDB	20	51	2	0	209	22	17	13
3.	37*	123568	18897	"BIGDB	24	70	2	0	100	28	14	14
4.	32*	123568	18898	"BIGDB	30	39	2	0	100	32	12	15

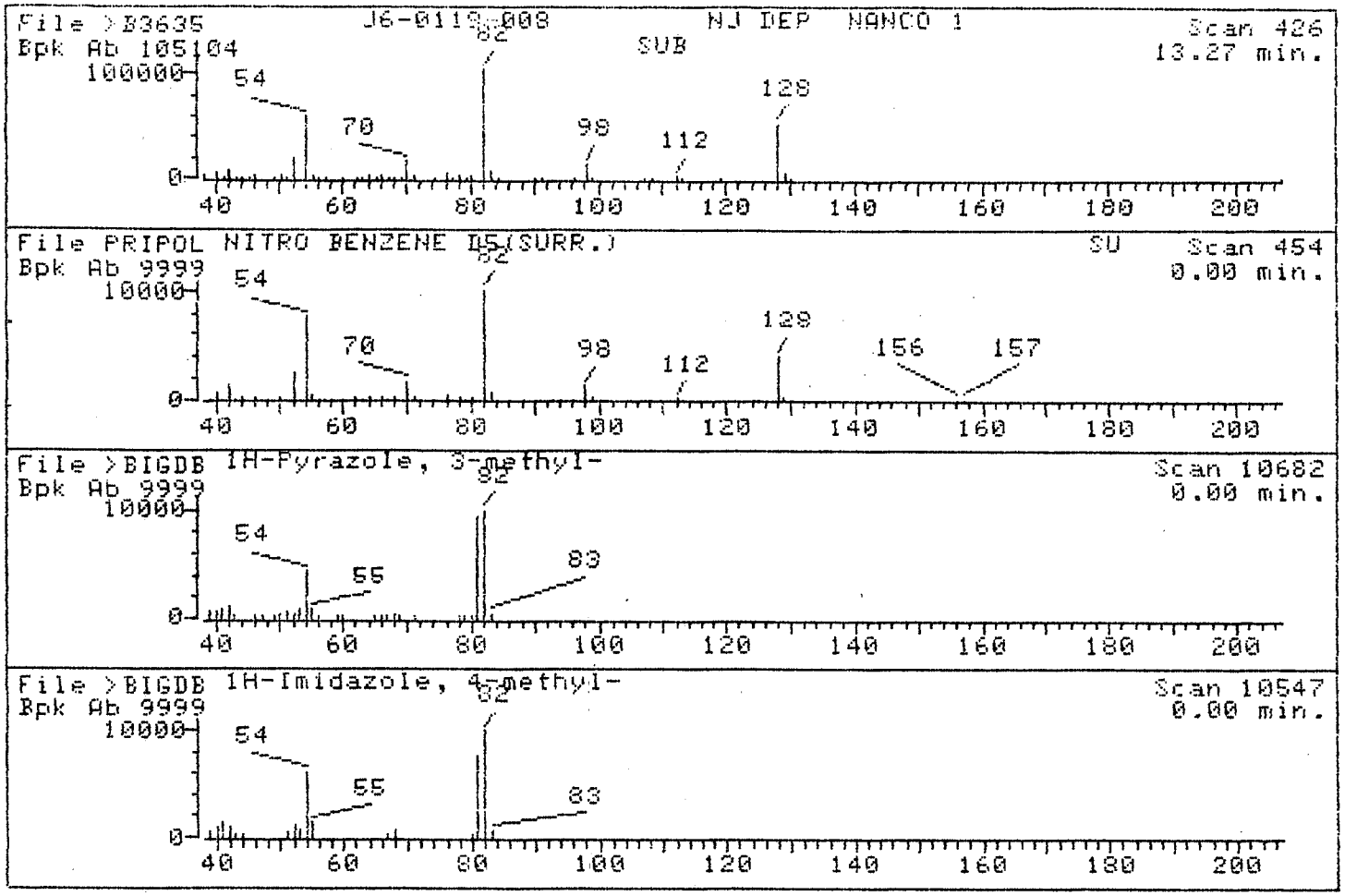


000574

1. 1,4-DICHLOROBENZENE-D4 150 C6.D4.CL4
INTERNAL STD. BNA 1
2. 2-CHLORO-4,6-DIFLUORO-PYRIMIDINE 150 C4HC1F2N2
3. Acenaphthylene 152 C12H8
4. Acenaphthylene 152 C12H8

Sample file: >B3635 Spectrum #: 342
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.	33*	440	257	PRIPOL	47	63	2	0	56	36	10	19
2.	26*	38953309	36514	"BIGDB	24	71	3	0	100	36	10	12
3.	11*	208968	37240	"BIGDB	26	63	2	0	61	65	2	14
4.	11*	166	258	PRIPOL	26	63	2	0	61	65	2	14



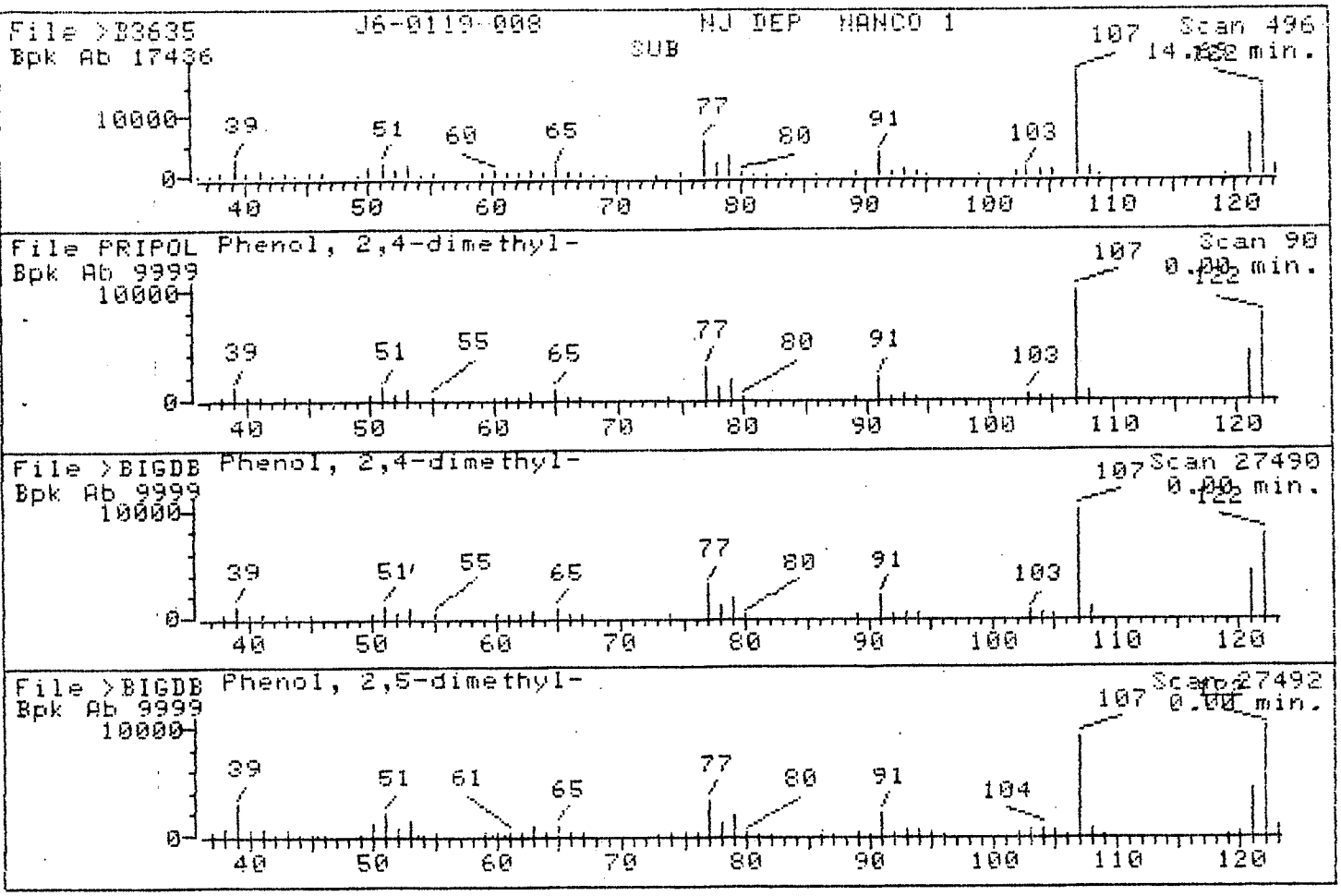
000575

16

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

Sample file: >B3635 Spectrum #: 426
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.	92*	454	15	PRIPOL	81	22	0	0	61	30	57	94
2.	27*	1453583	10682	"BIGDB	31	59	3	0	100	39	10	13
3.	27*	822366	10547	"BIGDB	26	65	3	0	92	36	10	13
4.	27*	822366	10681	"BIGDB	27	69	3	0	81	36	10	13



HSL

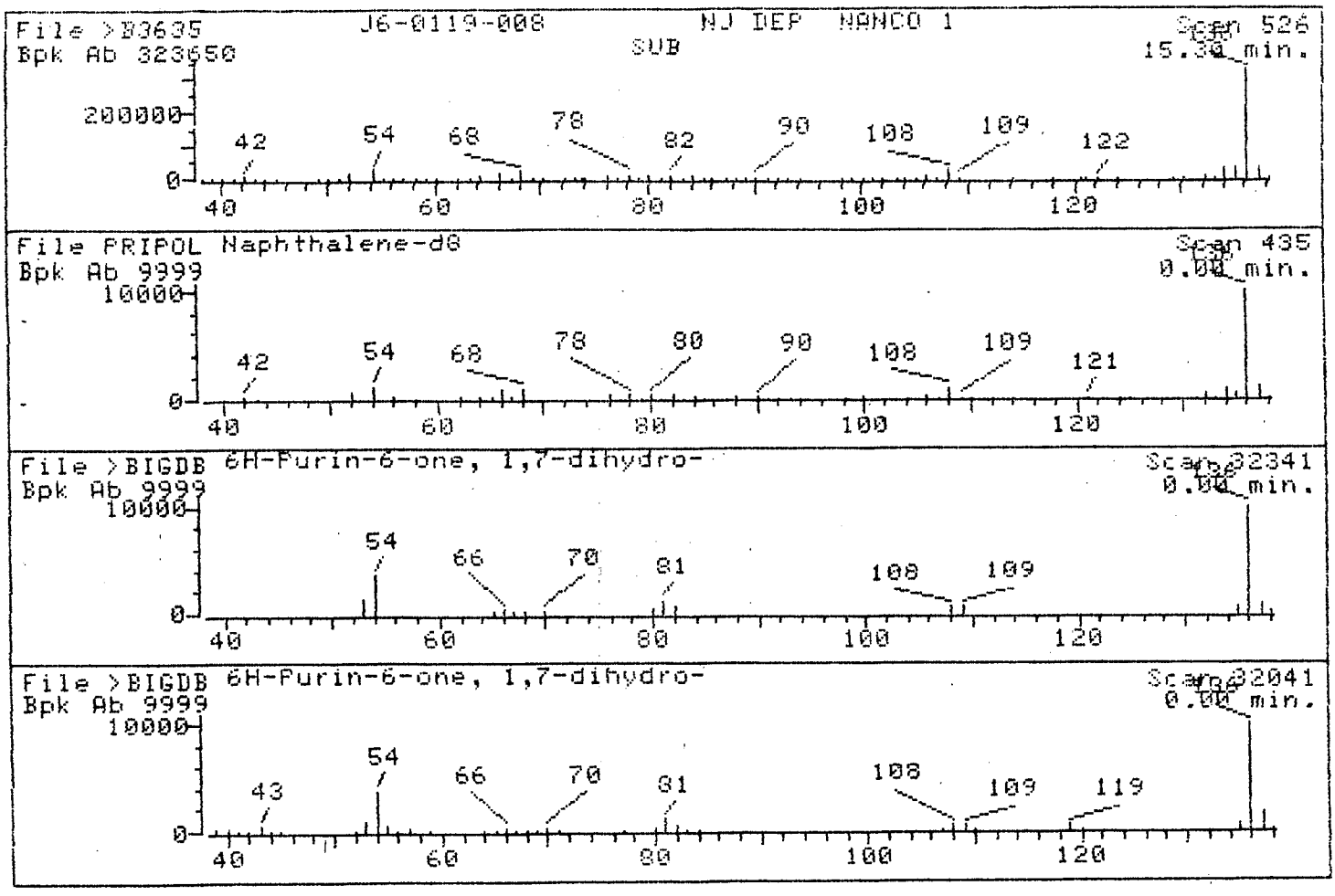
000576

1. Phenol, 2,4-dimethyl-	122	C8H10O
2. Phenol, 2,4-dimethyl-	122	C8H10O
3. Phenol, 2,5-dimethyl-	122	C8H10O
4. Phenol, 2,5-dimethyl-	122	C8H10O
5. Benzene, 1-methoxy-4-methyl-	122	C8H10O

(50)

Sample file: >B3635 Spectrum #: 496
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*	90	187	PRIPOL	99	1	0	0	87	2	72	97
2.	97*	105679	27490	"BIGDB	99	1	0	0	87	2	72	97
3.	92*	95874	27492	"BIGDB	73	37	0	0	61	17	60	92
4.	89*	95874	27248	"BIGDB	63	36	0	0	82	5	66	76
5.	76*	104938	27503	"BIGDB	81	17	1	0	56	36	37	80

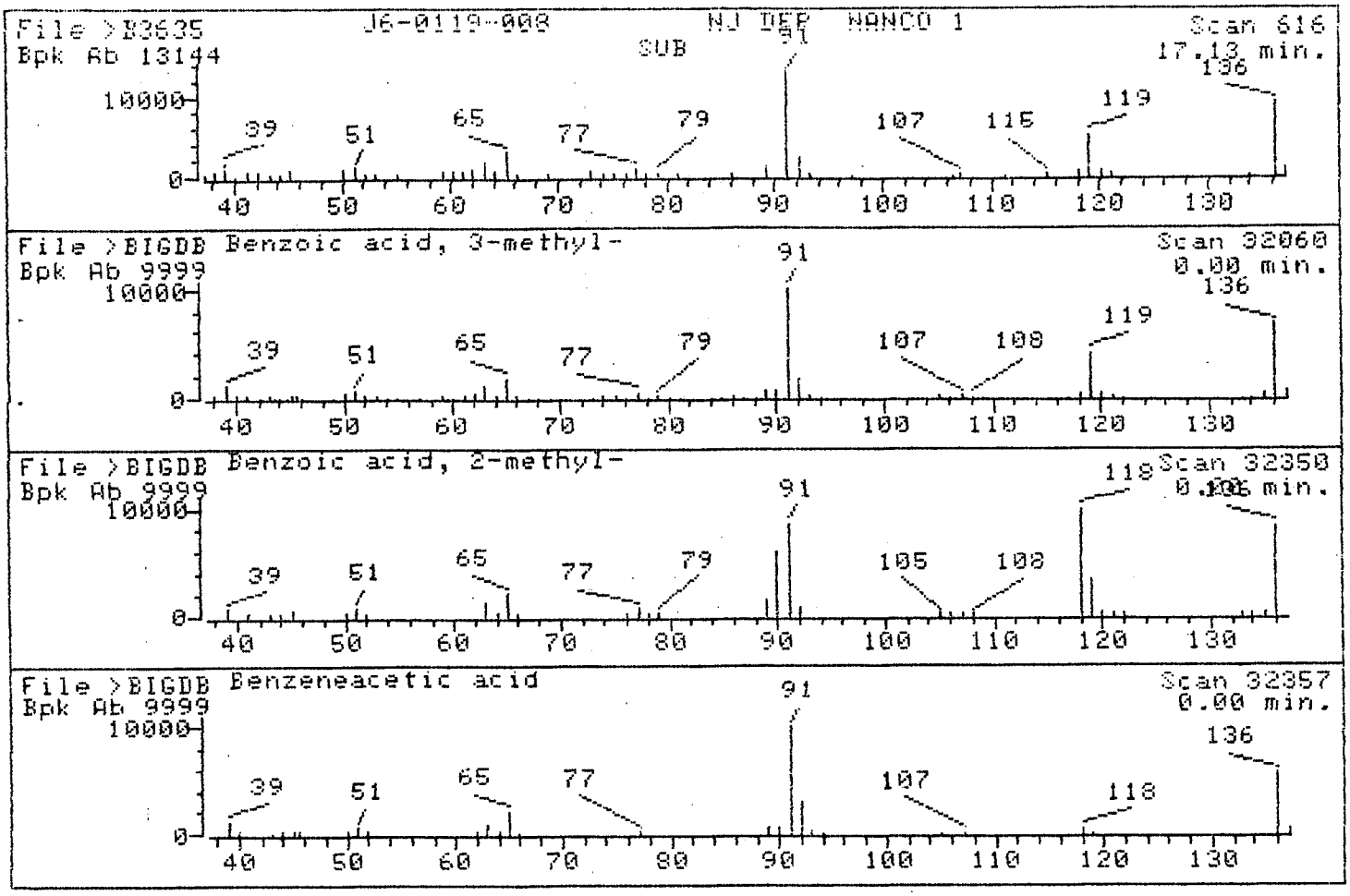


000577

1. Naphthalene-d8	136	C10.D8
		800
2. 6H-Purin-6-one, 1,7-dihydro-	136	C5H4N4O
3. 6H-Purin-6-one, 1,7-dihydro-	136	C5H4N4O
4. 7H-Pyrazolo[4,3-d]pyrimidin-7-one, 1,4-dihydro-	136	C5H4N4O
5. NAPTHALENE-D8	136	C10.D8.
	BNA	
INTERNAL STD.		1

Sample file: >B3635 Spectrum #: 526
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.	73*	435	208	PRIPOL	54	24	0	0	48	38	28	77
2.	60*	68940	32341	"BIGDB	31	54	3	0	100	11	30	13
3.	60*	68940	32041	"BIGDB	24	66	3	0	100	11	30	12



X <25%

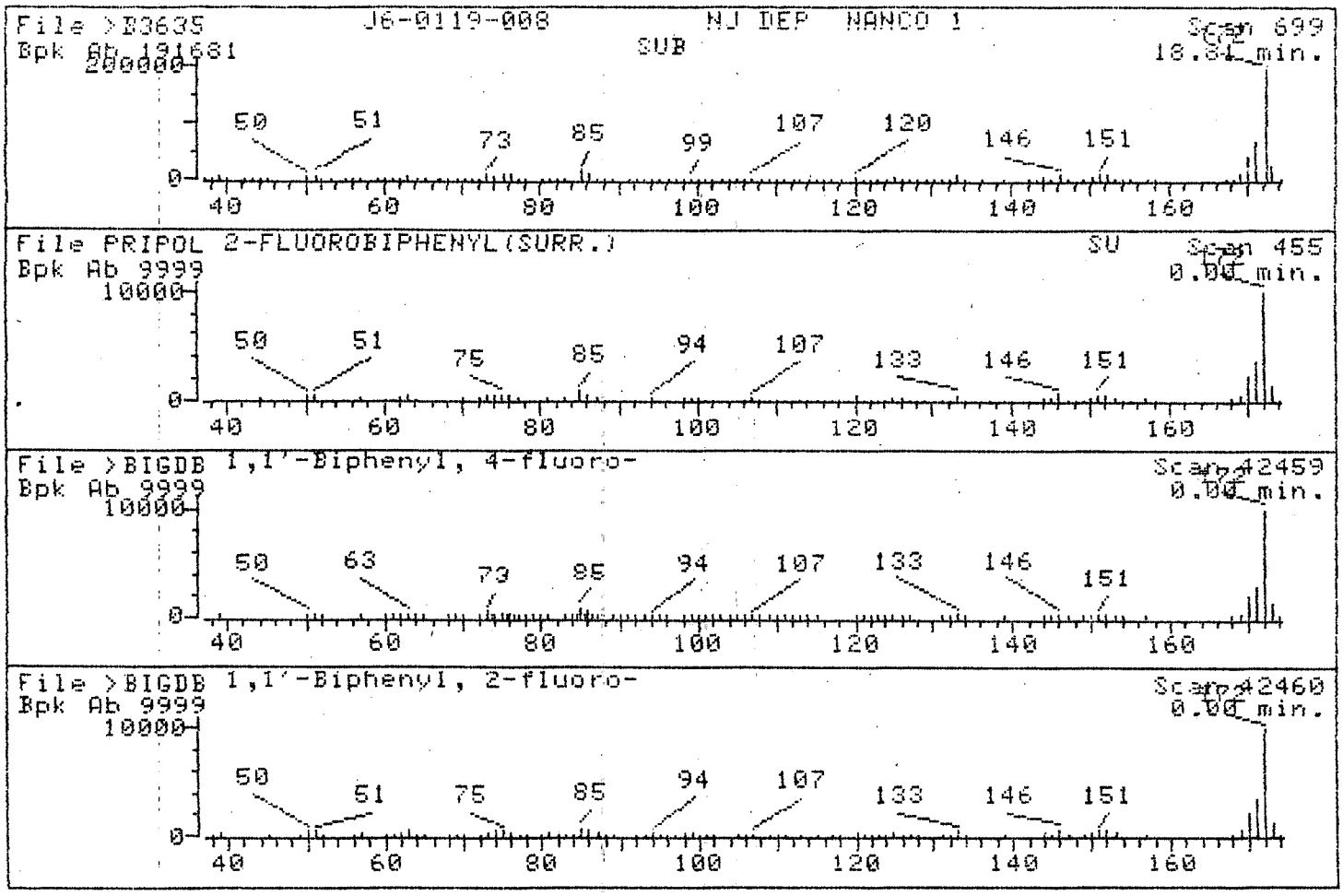
(50)

000578

1. Benzoic acid, 3-methyl- 136 C8H8O2
2. Benzoic acid, 2-methyl- 136 C8H8O2
3. Benzeneacetic acid 136 C8H8O2
4. Benzoic acid, 2-methyl- 136 C8H8O2
5. Benzoic acid, 2-methyl- 136 C8H8O2

Sample file: >B3635 Spectrum #: 616
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.	88*	99047	32060	"BIGDB	70	29	2	0	95	2	65	50
2.	76*	118901	32350	"BIGDB	60	46	3	0	82	8	45	27
3.	73*	103822	32357	"BIGDB	70	21	2	0	100	24	32	61
4.	60*	118901	32349	"BIGDB	49	65	3	0	73	15	30	13
5.	43*	118901	32351	"BIGDB	34	50	3	0	85	24	17	14

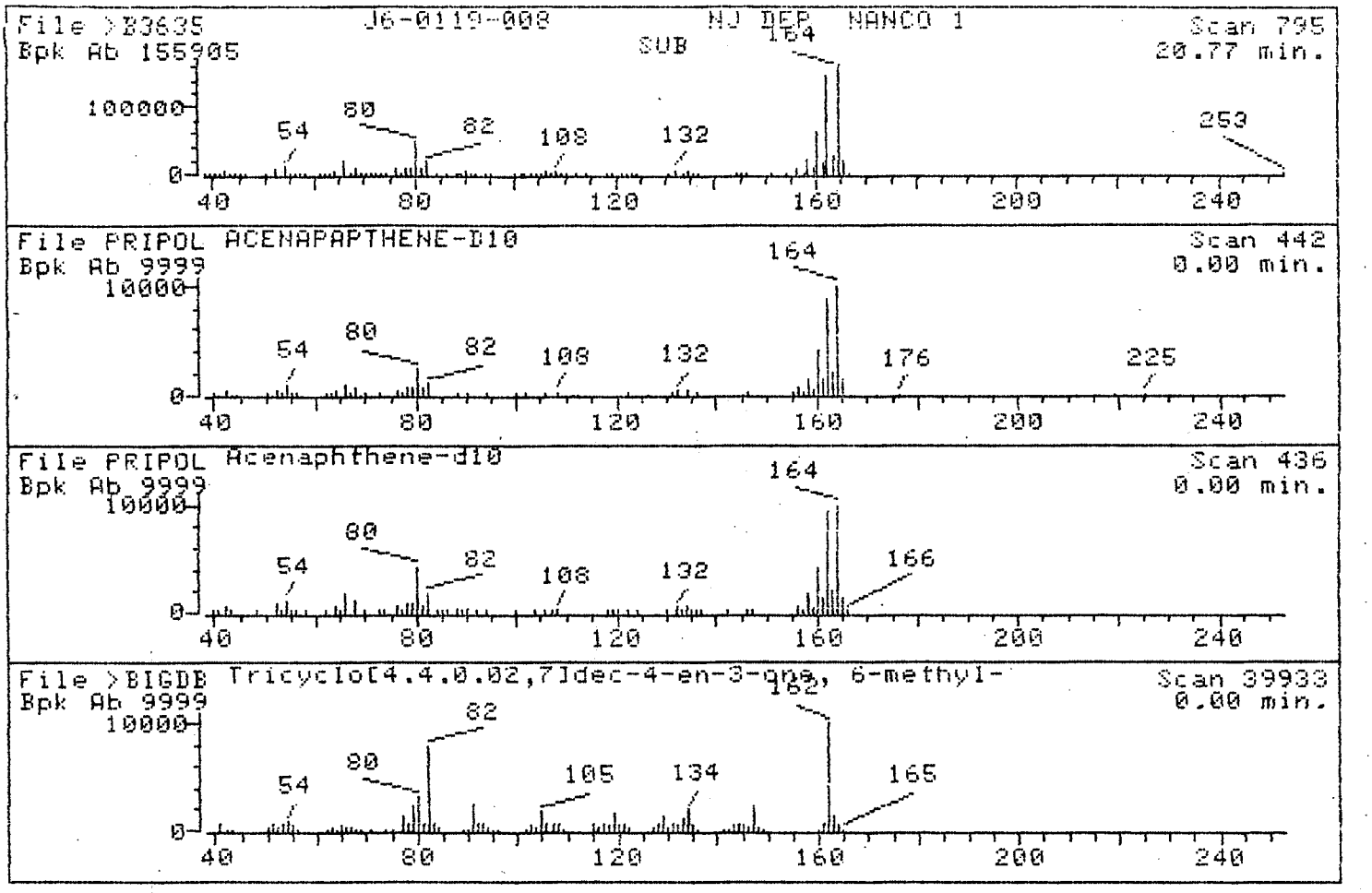


000579

1.	2-FLUOROBIPHENYL(SURR.)	SU	172	C12H9F
	PROGATE COMPOUND	BNA		
	SURROGATE			
2.	1,1'-Biphenyl, 4-fluoro-		172	C12H9F
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: >B3635 Spectrum #: 699
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*	455	299	PRIPOL	95	9	0	0	78	6	68	97
2.	96*	324743	42459	"BIGDB	94	10	0	0	85	6	68	96
3.	96*	321608	42460	"BIGDB	89	15	0	0	86	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

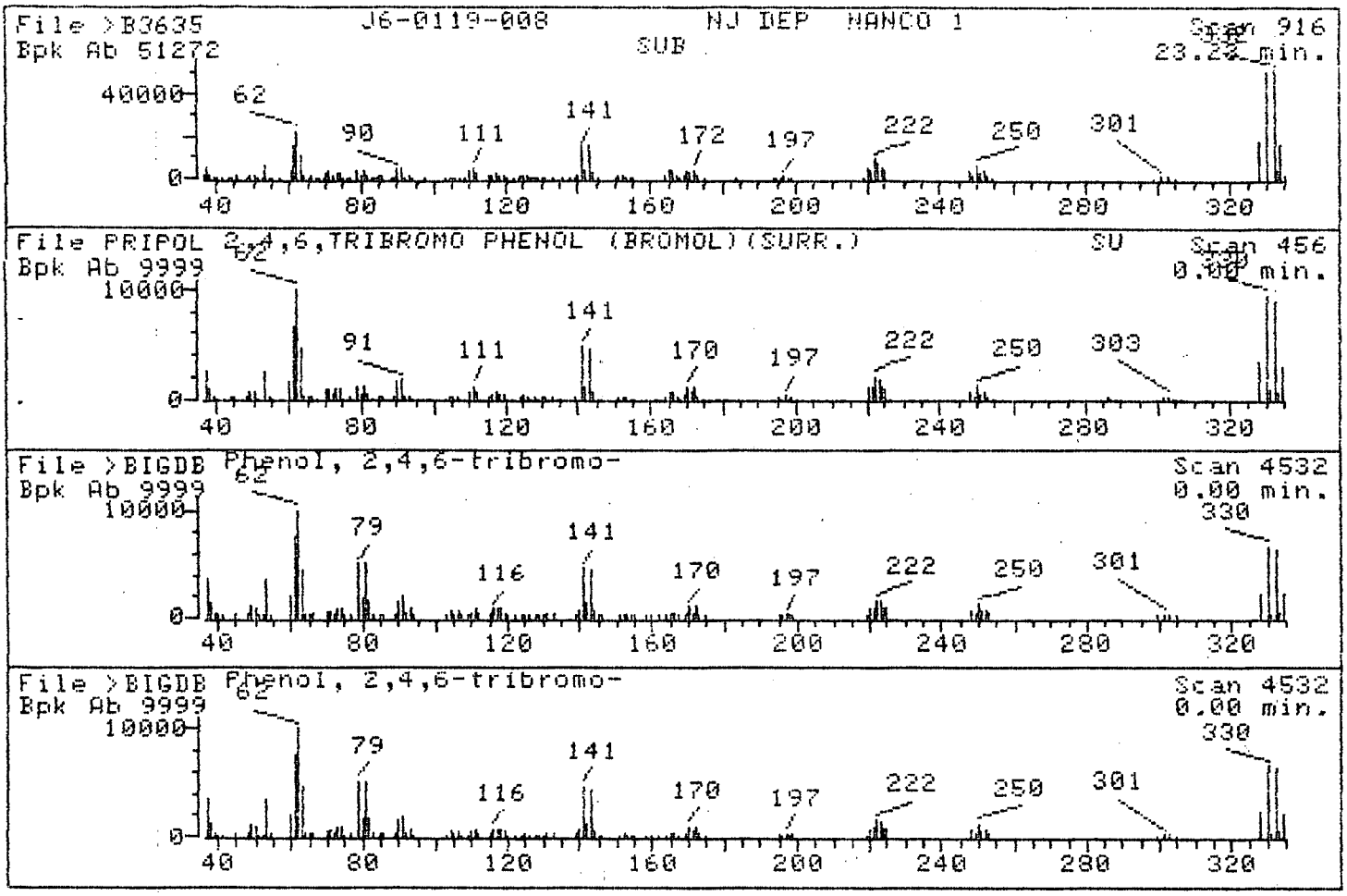


000580

1. ACENAPAPTHENE-D10	164	C12.D10
	BNA	
INTERNAL STD.		1
2. Acenaphthene-d10	164	C12.D10
		800
3. Tricyclo[4.4.0.02,7]dec-4-en-3-one, 6-methyl-	162	C11H14O
4. 4-METHYL-7-HYDROXYPTERIDINE	162	C7H6N4O
5. 2H-1,5-Benzodioxepin, 3,4-dihydro-3-methylene-	162	C10H10O2

Sample file: >B3635 Spectrum #: 795
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*	442	275	PRIPOL	106	11	0	0	74	3	72	97
2.	93*	436	274	PRIPOL	94	24	0	0	63	29	57	96
3.	20*	6518509	39933	"BIGDB	31	84	3	0	92	54	5	13



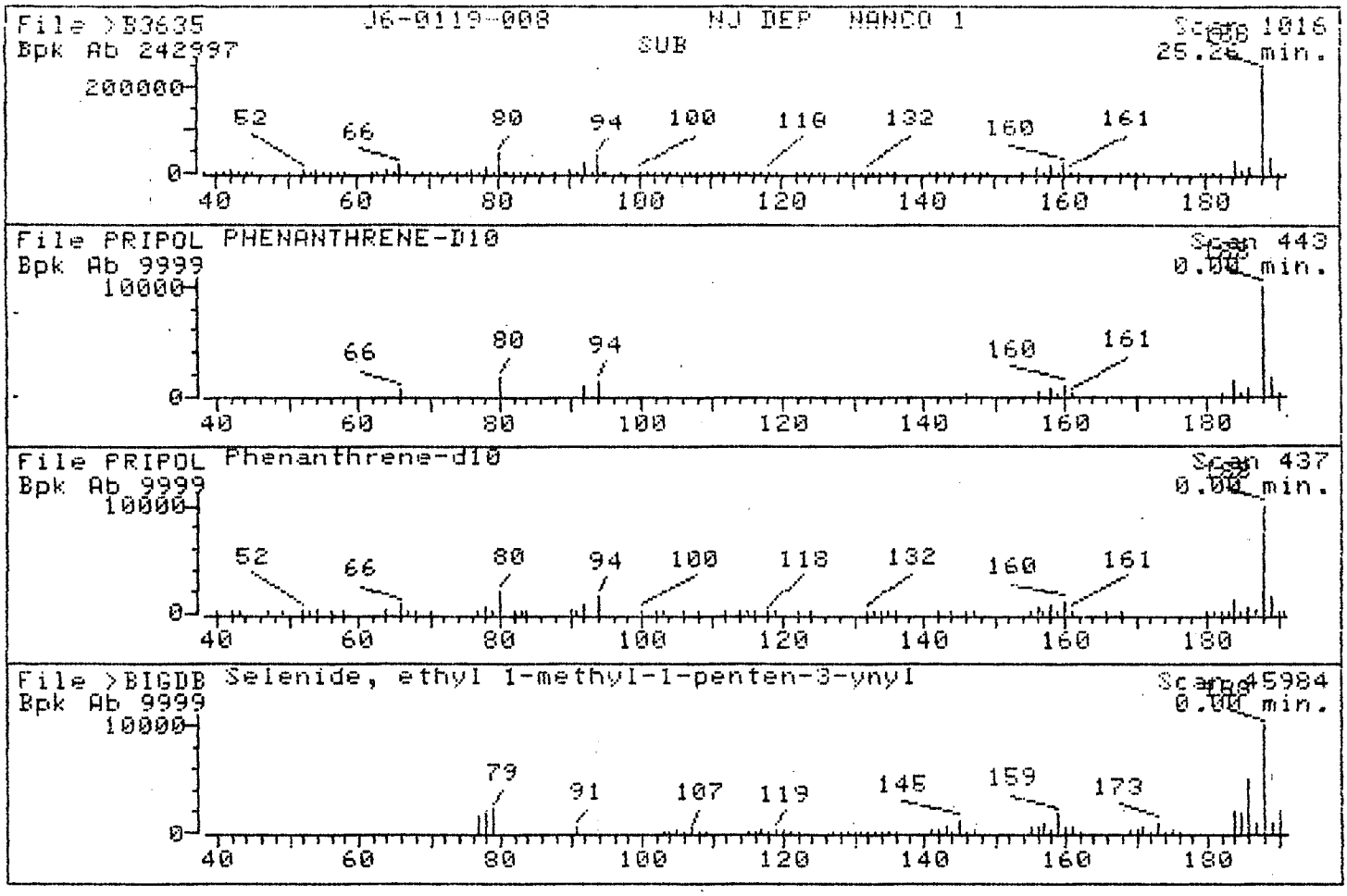
16

000581

1. 2,4,6,TRIBROMO PHENOL (BROMOL)(SURR.) SU 328 C6.H3.BR30
   RROGATE COMPOUND BNA
   SURROGATE
2. Phenol, 2,4,6-tribromo- 328 C6H3Br30

Sample file: >B3635 Spectrum #: 916
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.	86*	456	36	PRIPOL	110	66	1	0	44	46	40	96
2.	24*	118796	4532	"BIGDB	57	123	3	0	44	53	7	22

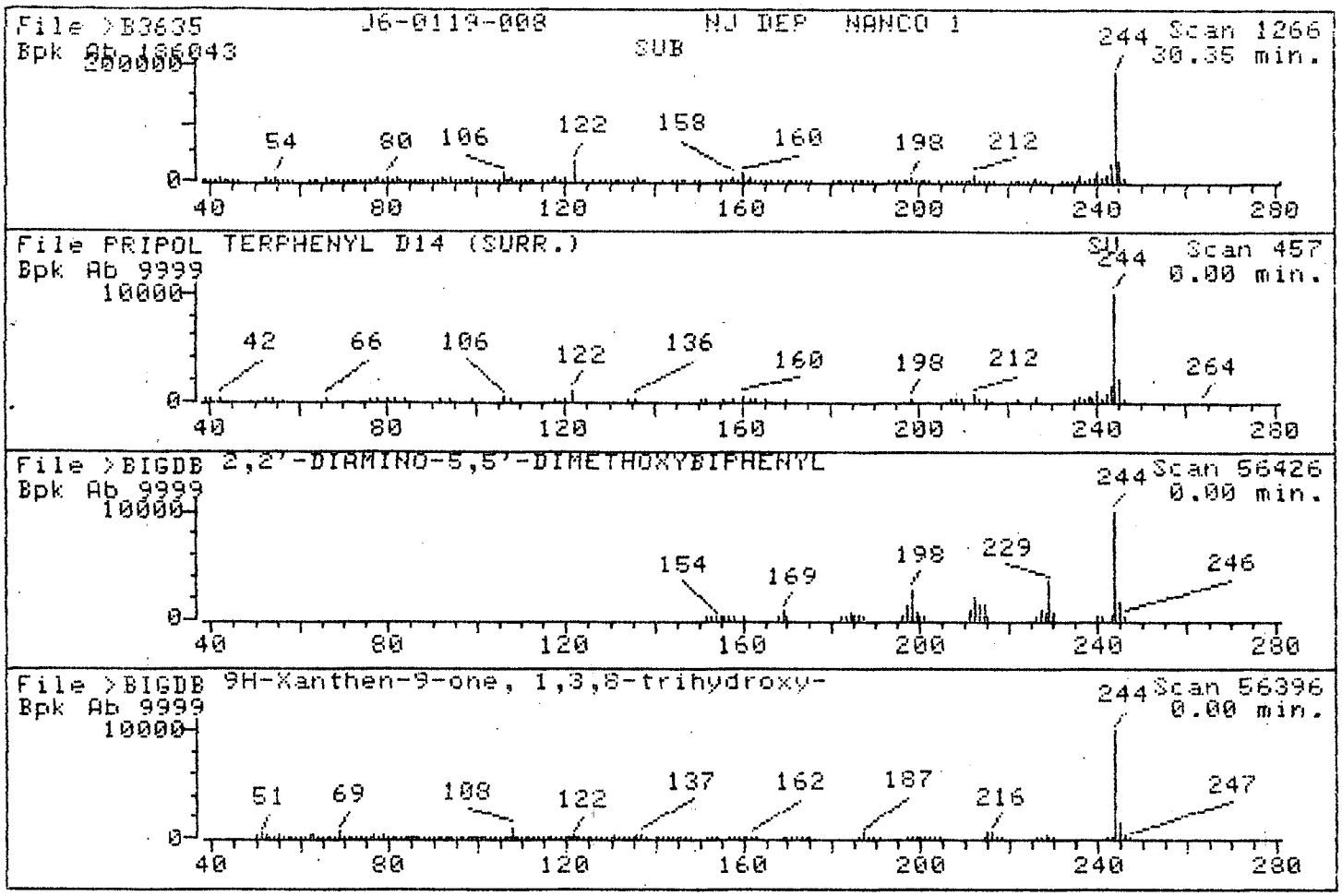


000582

1. PHENANTHRENE-D10	188	C14.D10
	BNA	
INTERNAL STD.		1
2. Phenanthrene-d10	188	C14.D10
		800
3. Selenide, ethyl 1-methyl-1-penten-3-ynyl	188	C8H12Se
4. 1,4-Naphthalenedione, 2-methoxy-	188	C11H8O3
5. 4-HYDROXY-6-PHENYL-3-PYRIDAZONE	188	C10H8N2O2

Sample file: >B3635 Spectrum #: 1016
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.	99*	443	334	PRIPOL	111	1	0	0	88	0	72	99
2.	96*	437	333	PRIPOL	107	7	1	0	76	0	72	96
3.	35*	25128487	45984	"BIGDB	24	110	3	0	100	26	14	12

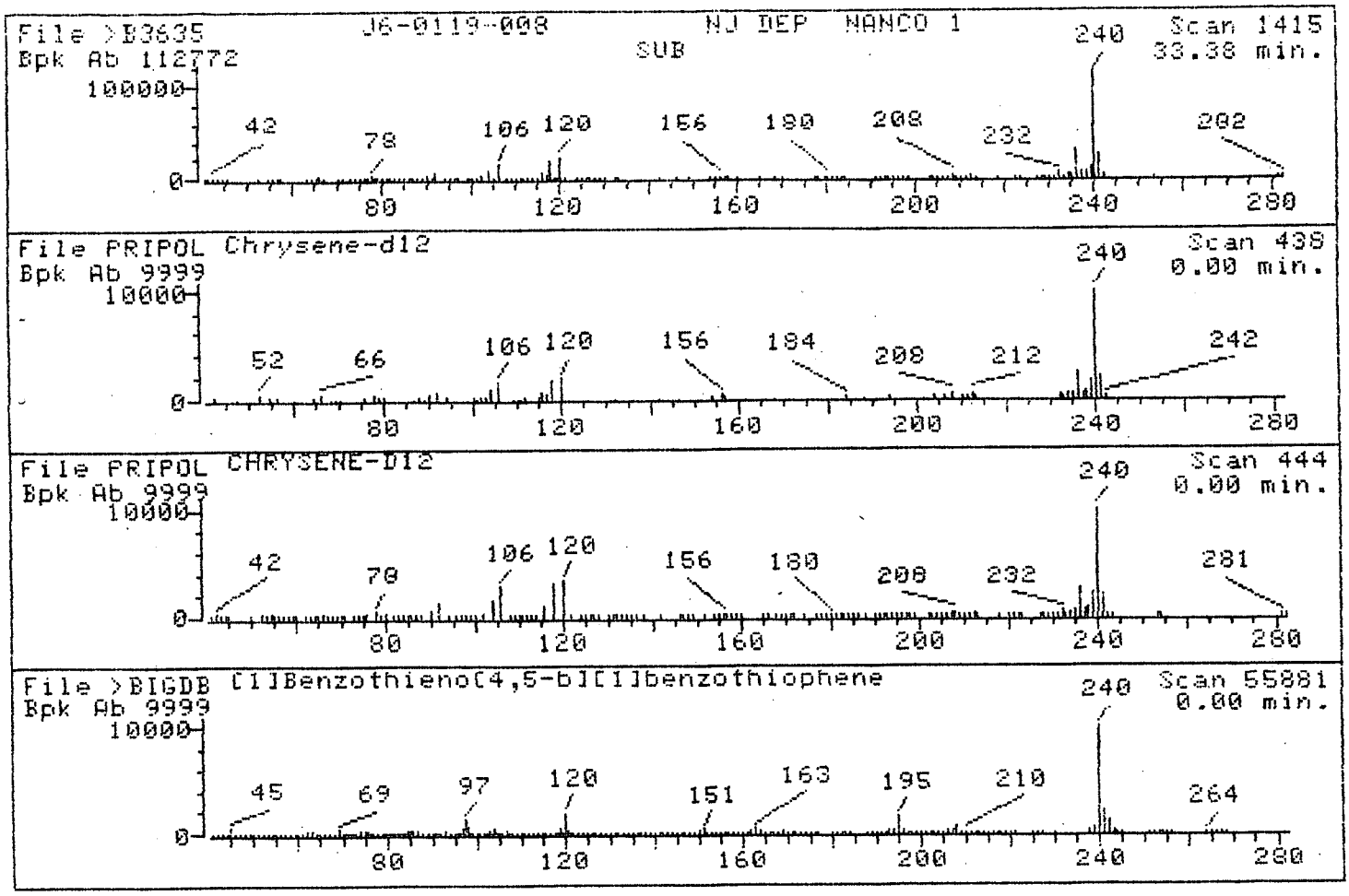


96

1. TERPHENYL D14 (SURR.) SU 244
   ROGATE COMPOUND BNA
   SURROGATE
2. 2,2'-~~DIAMINO~~-5,5'-DIMETHOXYBIPHENYL 244 C14H16N2O2
3. 9H-Xanthen-9-one, 1,3,8-trihydroxy- 244 C13H8O5
4. Ferrocene, (3-hydroxypropyl)- 244 C13H16FeO
5. Matridin-15-one, 11,12,13,14-tetradehydro-, (6.beta. 244 C15H20N2O

Sample file: >B3635 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.	96*	457	403	PRIPOL	110	27	1	0	73	3	72	96
2.	42*	0	56426	"BIGDB	31	117	3	0	100	23	17	13
3.	37*	6052933	56396	"BIGDB	38	79	2	0	100	30	14	14
4.	36*	12093888	56405	"BIGDB	26	97	3	0	100	30	14	13
5.	35*	6838342	56443	"BIGDB	24	129	3	0	100	26	14	12



000584

1. Chrysene-d12 240 C18.D12

800

2. CHRYSENE-D12 240 C18.D12

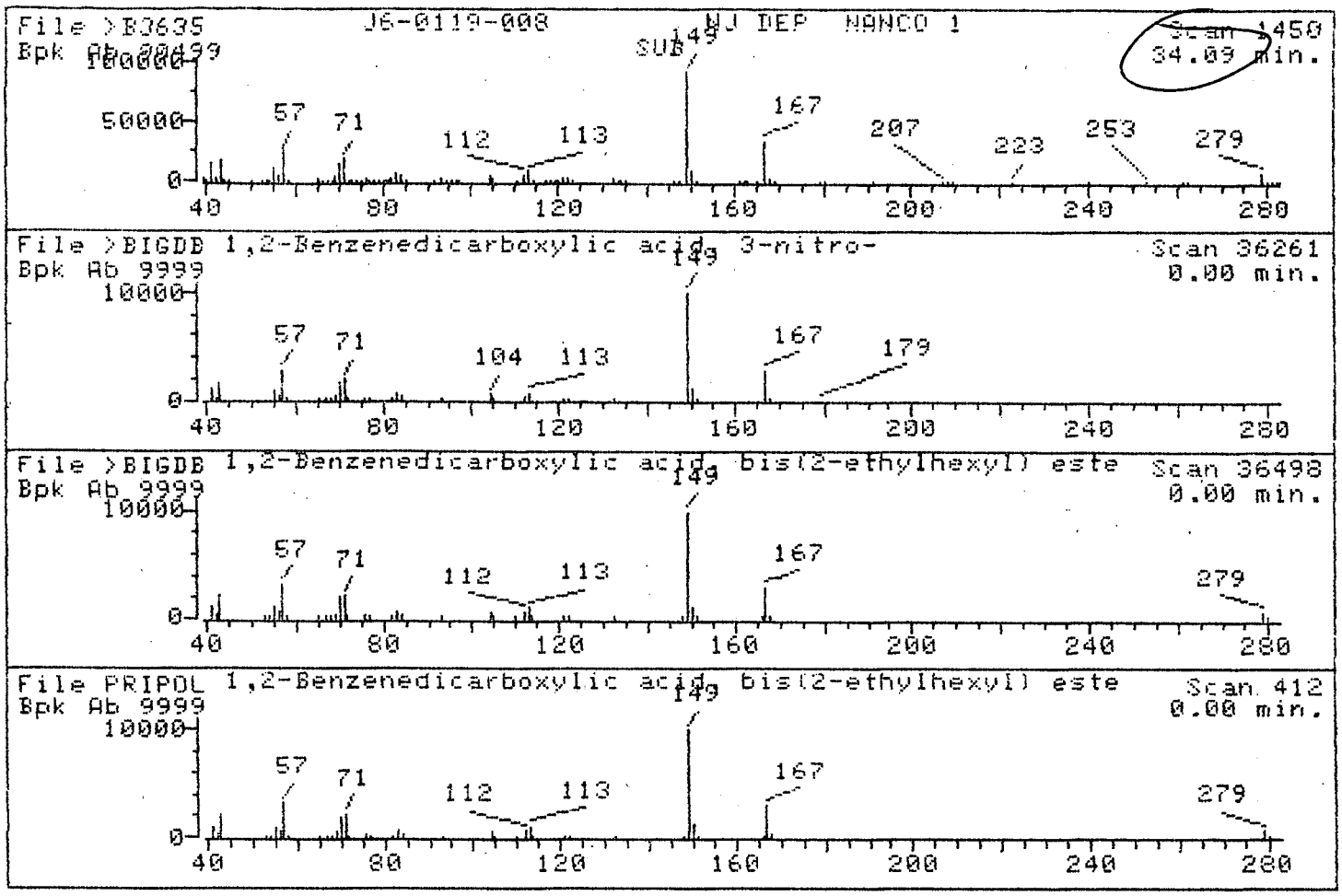
BNA

INTERNAL STD. 1

3. [1]Benzothieno[4,5-b][1]benzothiophene 240 C14H8S2
4. 2-Propen-1-one, 1-(2-hydroxyphenyl)-3-(4-hydroxyphenyl)- 240 C15H12O3
5. [1]Benzothieno[3,2-b][1]benzothiophene 240 C14H8S2

Sample file: >B3635 Spectrum #: 1415
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.	91*	438	401	PRIPOL	97	43	0	0	50	38	47	97
2.	89*	444	402	PRIPOL	82	46	0	0	41	37	47	94



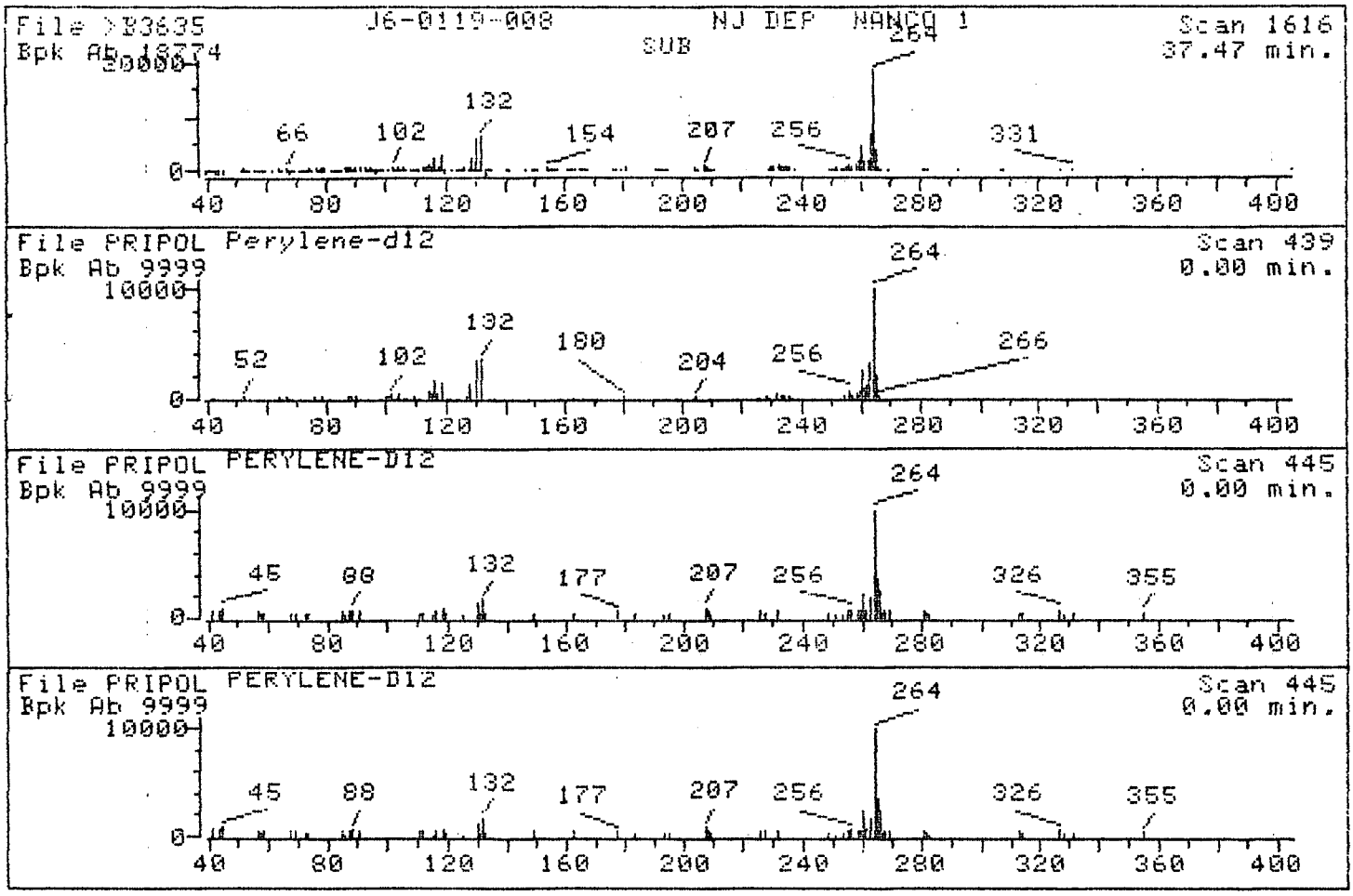
bis(2 eth hex) Pluth (HSL)

000005

1. 1,2-Benzenedicarboxylic acid, 3-nitro- 211 C8H5NO6
2. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H38O4
3. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H38O4
4. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H38O4
5. 1,2-Benzenedicarboxylic acid, bis(2-ethylhexyl) este 390 C24H38O4

Sample file: >B3635 Spectrum #: 1450
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	603112	36261	"BIGDB	108	0	0	0	89	4	68	89
2.	93	117817	36498	"BIGDB	122	15	0	0	82	0	68	83
3.	93	412	247	PRIPOL	122	15	0	0	82	0	68	83
4.	83	117817	36390	"BIGDB	94	53	2	0	80	1	57	28
5.	83	408	243	PRIPOL	94	53	2	0	80	1	57	28



5.36

000586

1. Perylene-d12 264 C20.D12

800

2. PERYLENE-D12 264 C20.D12

BNA

INTERNAL STD. 1

Sample file: >B3635 Spectrum #: 1616
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.	98*	439	418	PRIPOL	123	31	1	0	66	19	60	99
2.	52*	445	419	PRIPOL	39	110	3	0	100	19	20	13

NJ DEP BNA 10/9/86 1079

SB 3635 J6-0119-008

phenol 11 ug/L

2,4 Dimethyl Phenol 22

bis (2 Eth hex) phth 49 B

Di-n-oct. phth. 4.1 Ja

SURR

phenol-d5	33 %
2Fl Phenol	45
Nitro benz.	70
2Fl biph.	77
Bromol	116
Terph.	130

(10) ~~Soft~~ TICS b = 40 x ~~88.8~~ 2.22 (50) = 88.8

(127184) Ethene, tetrachloro- (6.264) cx = (724152/1332521) xb = 48 JB

(100414) Benzene, ethyl- (7.807) cx = (178691 8/ ") xb = 120 J

isomer of dimethyl Benzene (8.072) cx = (7425883/ ") xb = 490 J

" " " " (8.661) cx = (959411 / ") xb = 64 J

SB3636 J6-0120-008

bis (2Eth hex) phth 41 B ug/L

000507

SURR

phenol-d5	30 %
2Fl phenol	47
Nitrobenz	63
2Fl biph.	70
Bromol	105
Terph.	132

b = 40 x 2.22 = 88.8

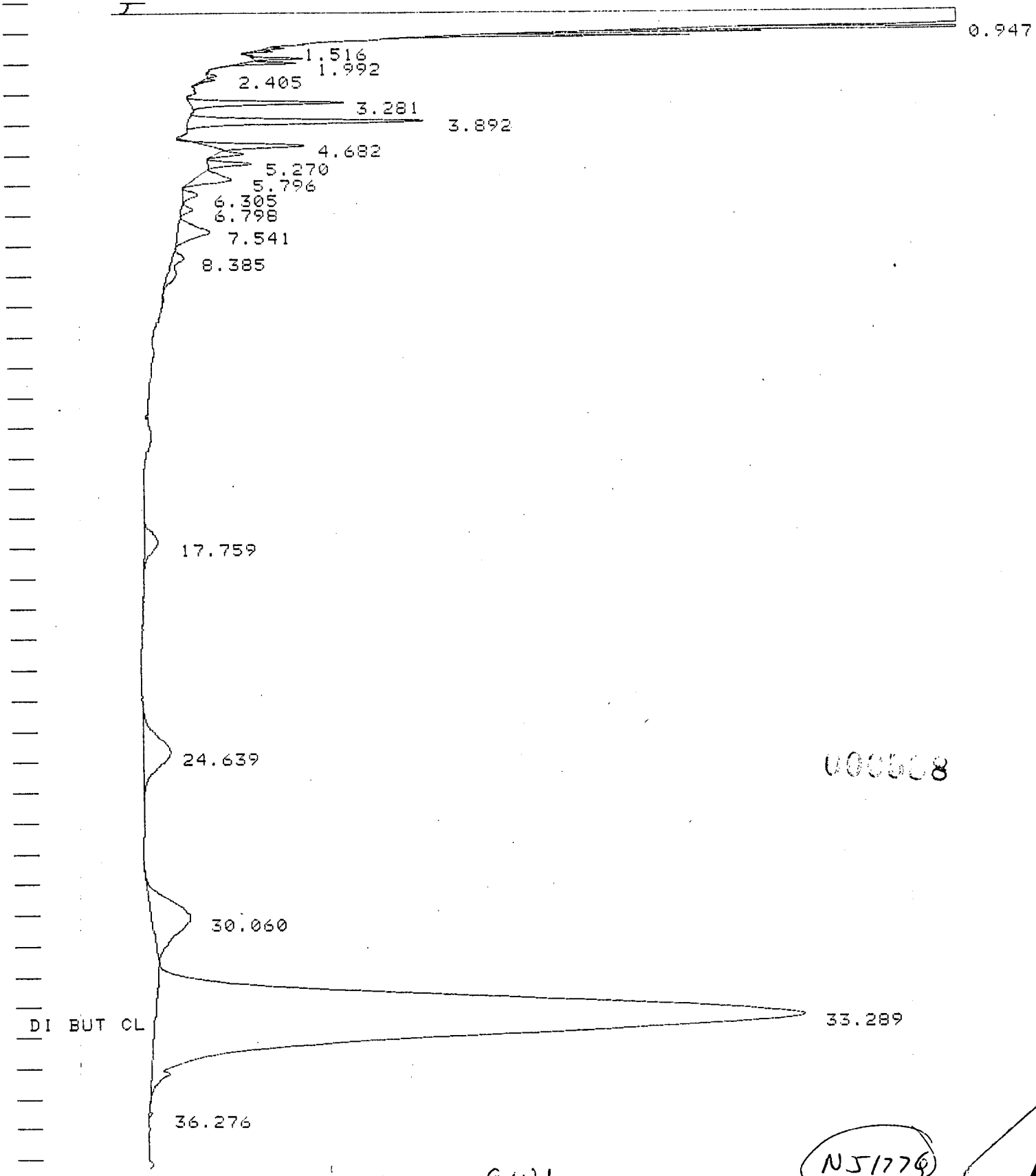
TICS

(127184) Ethene, tetrachloro- (6.361) cx = (553629/943835) xb = 52 JB

unknown (37.504) cx = (77379/642544) xb = 11 J

1

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



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000608

GW1

NJ1776

2

GW1

(NJ 1119)

TITLE: PESTICIDE & PCB ANALYSIS 2:42 2 OCT 86

CHANNEL NO: 2 SAMPLE: J6-0119-008 METHOD: PEST4Q

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		7.0057	0.947		23986	0.03	BB	2.20
2		0.5400	1.040		1849	0.03	BB	1.80
3		0.8584	1.147		2939	0.03	BB	2.20
4		0.0701	1.516		240	0.05	BB	2.55
5		0.0751	1.617		257	0.05	BB	2.30
6		0.2664	1.843		912	0.05	BB	4.50
7		0.2810	1.992		962	0.06	BB	4.75
8		0.0686	2.405		235	0.07	BB	? 5.70
9		0.0829	2.541		284	0.08	BB	4.10
10		1.6879	3.281		5779	0.10	BB	7.45
11		3.2403	3.892		11094	0.12	BB	9.20
12		1.2743	4.682		4363	0.14	BB	11.35
13		0.2611	4.951		894	0.15	BB	? 17.30
14		0.5278	5.270		1807	0.16	BB	13.85
15		0.9402	5.796		3219	0.17	BB	? 28.05
16		0.2900	6.305		993	0.19	BB	17.35
17		0.1983	6.798		679	0.20	BB	? 17.35
18		1.1841	7.541		4054	0.23	BB	24.40
19		0.6259	8.385		2143	0.25	BB	16.80
20		0.8038	17.759		2752	0.53	BB	? 38.20
21		2.5787	24.639		8829	0.74	BB	? 64.55
22		4.0210	30.060		13767	0.90	BB	90.05
23	DI BUT CL	73.1182	33.289	0.229	250340	1.00	BB	78.75
TOTALS:		99.9998		0.229	342377			

DETECTED PKS: 25 REJECTED PKS: 2

MULTIPLIER: 1.00000

NOISE: 18.2 OFFSET: 19

RACK: 8 VIAL: 4 INJ: 1

SAVED FILE: PEST4Q015

NOTES:
***** NANCO LABS, INC *****
1.95%SP2401+1.5%SP2250 ON 100/120 SUPEL.
LENGTH:2.0M; OD:1/4"; 1D: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

000509

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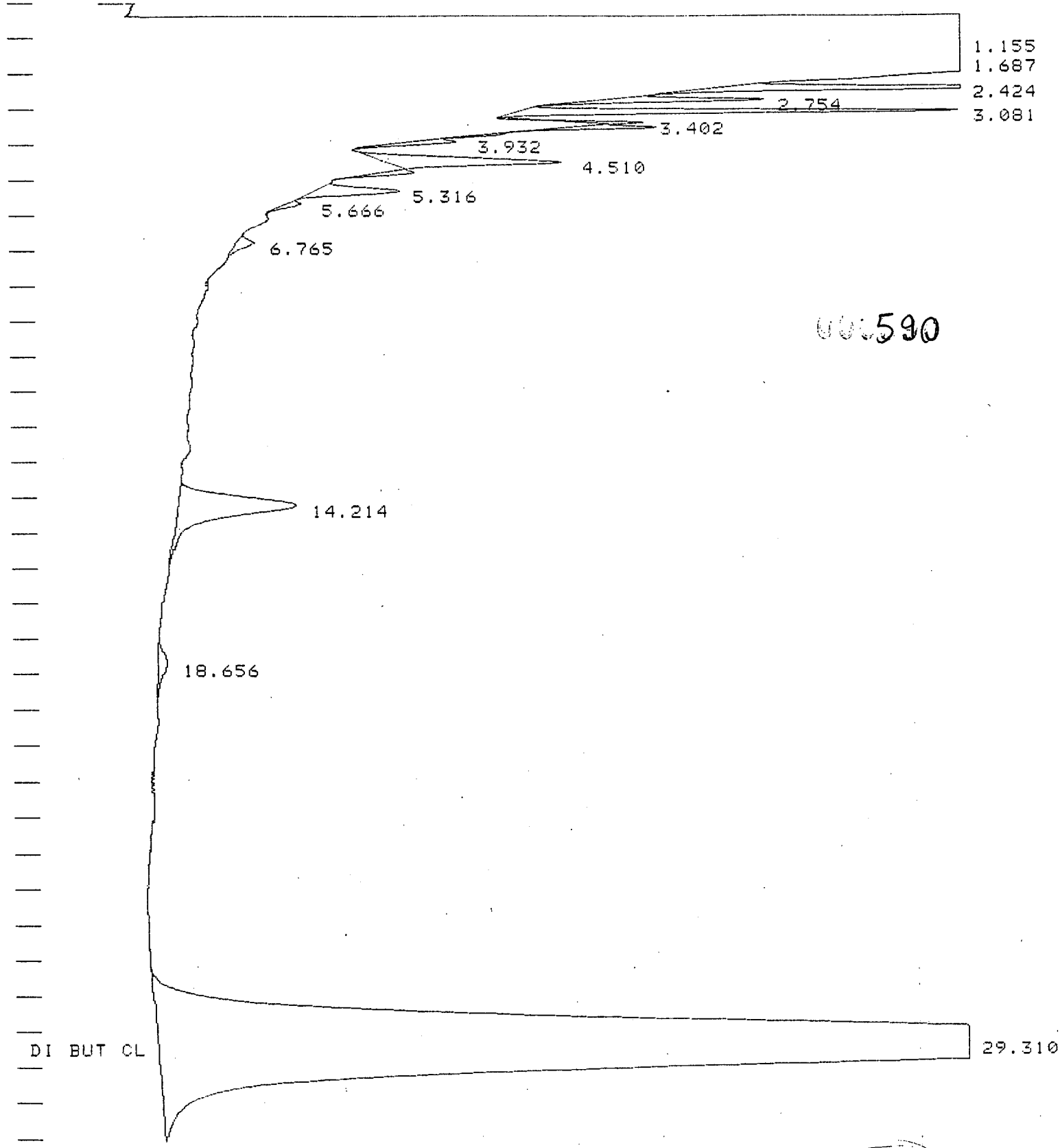
2

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



UU590

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

GW 1

N51/8C

3 GW1 (NJ178C)

TITLE: PESTICIDE & PCB ANALYSIS 15:15 30 SEP 86

CHANNEL NO: 1 SAMPLE: J6-0119-008 METHOD: PEST4C

PEAK NO	PEAK NAME	RESULT %	TIME (MIN)	TIME OFFSET	AREA COUNTS	RRT	SEP CODE	W1/2 (SEC)
1		6.2098	1.155		35048	0.04	BB	2.90
2		0.4695	1.435		2650	0.05	BB	2.25
3		0.0918	1.687		518	0.06	BB	1.80
4		0.1042	1.784		588	0.06	BB	0.70
5		2.3646	2.424		13346	0.08	BB	6.00
6		0.9072	2.754		5120	0.09	BB	5.55
7		2.6081	3.081		14720	0.10	BB	6.65
8		0.3033	3.402		1712	0.12	BB	? 6.80
9		0.2755	3.533		1555	0.12	BB	? 9.30
10		0.2404	3.932		1357	0.13	BB	3.80
11		2.0531	4.510		11588	0.15	BB	? 15.05
12		0.1738	4.783		981	0.16	BB	? 13.10
13		0.9114	5.316		5144	0.18	BB	11.75
14		0.1049	5.666		592	0.19	T	5.40
15		0.2261	6.765		1276	0.23	BB	12.80
16		3.6628	14.214		20673	0.48	BB	? 31.90
17		0.3606	18.656		2035	0.64	BB	43.20
18	DI BUT CL	78.9329	29.310	0.310	445499	1.00	BB	? 72.10
TOTALS:		100.0000		0.310	564402			

DETECTED PKS: 18 REJECTED PKS: 0

000591

MULTIPLIER: 1.00000

NOISE: 12.1 OFFSET: -14

RACK: 3 VIAL: 5 INJ: 1

SAVED FILE: PEST4C117

NOTES:
***** NANCO LABS, INC *****
3% SP2100 ON 100/120 SUPELCOPORT
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