

Gas chromatograms from the following seven North Slope wells:

Arco Alaska Inc. Brontosaurus No. 1, 6320' - 6425' of core;

Amerada Hess Corp Northstar No. 1, 10962' - 11045' of core;

Atlantic Richfield Co. Nora Fed No. 1, 15150' - 15330' of cuttings;

Shell Western E & P Inc. OCS Y-0180-1 (Seal Island A-4), 15156' - 15160' of core;

Tenneco OCS Y-0338-1 (Phoenix No. 1), 7601' - 7998' of core;

Mobil Oil Corp. Beli Unit No. 1, 11194' - 11655' of core; and

Texaco Inc. West Kavik Unit No. 1, 14905' - 14906' of core.

Received 28 February 1990

Total of 92 pages in report

State of Alaska Geologic Materials Center Data Report No. 155

RECEIVED

APR 02 1990

Alaska Oil & Gas Cons. Commission  
Anchorage

WELL

DEPTH

SLIDE

GC

GMC Data Report No. 155

Page 1/92

ARCO BRONTOSURUS #1

"	6320	Y	Y
"	6330	Y	Y
"	6340	Y	Y
"	6350	Y	Y
"	6356	Y	Y
"	6357	Y	Y
"	6358	Y	Y
"	6362	Y	Y
"	6363	Y	Y
"	6367	Y	Y
"	6369	Y	Y
"	6370	Y	Y
"	6381	Y	Y
"	6382	Y	Y
"	6383	Y	Y
"	6384	Y	Y
"	6391	Y	Y
"	6391	Y	Y
"	6393	Y	Y
"	6401	Y	Y
"	6409	Y	Y
"	6411	Y	Y
"	6424	Y	Y
"	6425	Y	Y

Core

one is shale  
one is carbon

Pages 3/92 thru 28/92

AMERADA NORTHSTAR

BF-46 #1

"	10962	Y	Y
"	10986	Y	Y
"	10998	Y	Y
"	11007	Y	Y
"	11009	Y	Y
"	11019	Y	Y
"	11031	Y	Y
"	11045	Y	Y

Core

Pages 29/92 thru 38/92

ARCO NORA FEDERAL #1

"	15150/60	Y	Y
"	15160/70	Y	Y
"	15190/200	Y	Y
"	15220/30	Y	Y
"	15240/50	Y	Y
"	15260/70	Y	Y
"	15280/90	Y	Y
"	15300/10	Y	Y
"	15320/30	Y	Y

Cuttings

Pages 39/92 thru 50/92

SHELL OCS-Y-0180 #1

"	15156/58	Y	Y
"	15159/60	Y	Y

Core

Pages 51/92 thru 54/92

TENNECO OCS-Y-0338 #1

"	7601	Y	Y
"	7604	Y	Y
"	7607	Y	Y
"	7613	Y	Y
"	7630 7730'	Y	Y
"	7805	Y	Y
"	7808	Y	Y
"	7816	Y	Y
"	7907	Y	Y
"	7910	Y	Y
"	7920	Y	Y
"	7943	Y	Y
"	7950	Y	Y
"	7952	Y	Y

Core

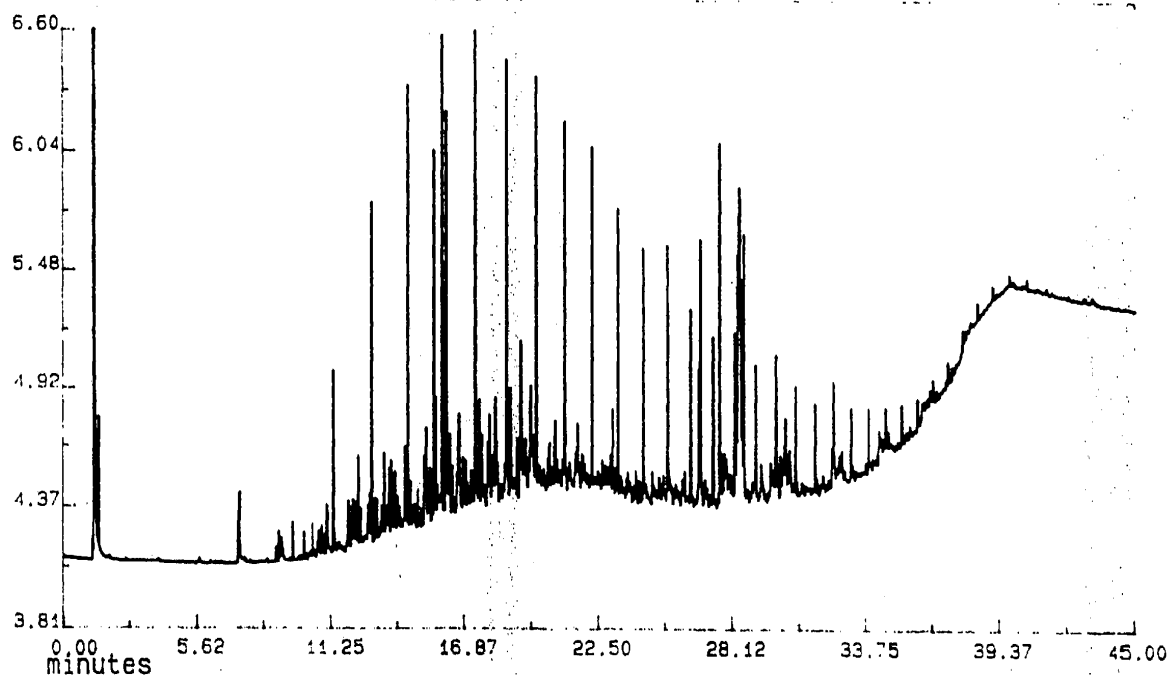
"		7973	Y	Y	Pages 55/92 thru 74/92
"	Core	7989	Y	Y	
"		7998	Y	Y	

MOBIL BELI UNIT #1		11194 - 11195'	Y	Y	Pages 75/92 thru 88/92
"	Core	11195 - 11196'	Y	Y	
"		11196 - 11197'	Y	Y	
"		11198 - 11199'	Y	Y	
"		11218 - 11219'	Y	Y	
"		11219 - 11220'	Y	Y	
"		11223 - 11224'	Y	Y	
"		11244 - 11245'	Y	Y	
"		11247 - 11248'	Y	Y	
"		11249 - 11250'	Y	Y	
"		11648 - 11655'	Y	Y	

TEXACO WEST KAVIK #1		14896 - 14897'	N	Y	Pages 89/92 thru 92/92
"	Core	15905 - 15906'	Y	Y	

AMPLITUDE/1000  
Force Normalized  
( 3.96, 6.60)

1C01228 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6320 FT.

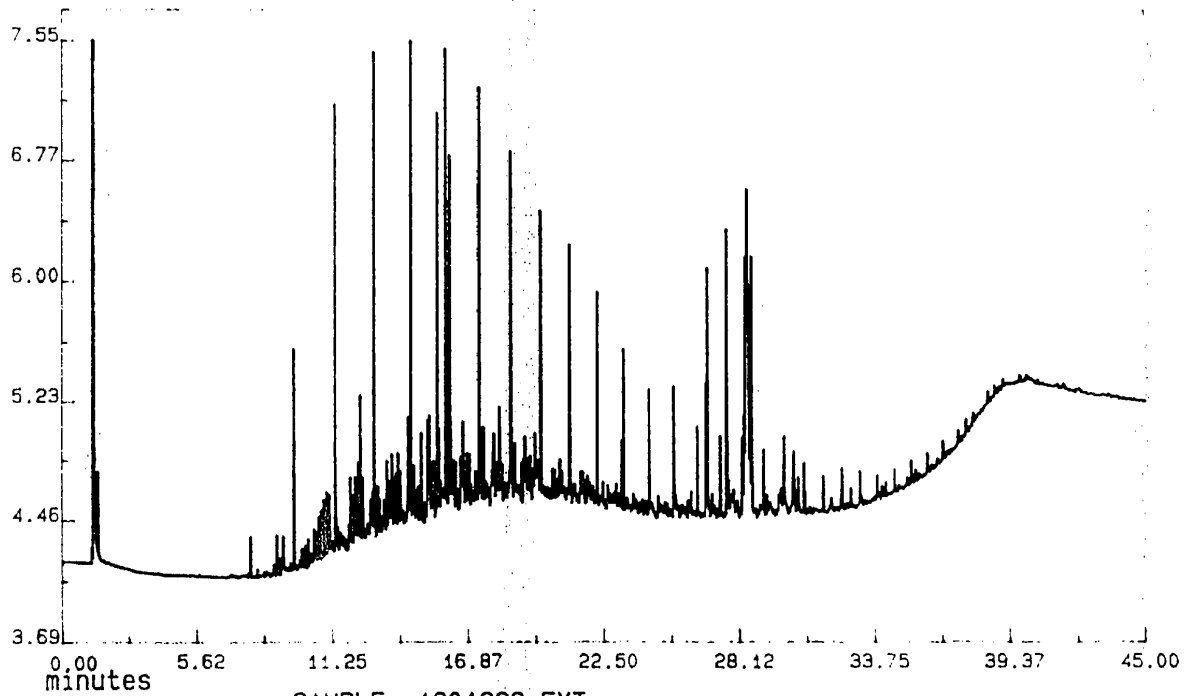


SAMPLE: 1C01228-EXT  
ANALYZED: Wed Jan 24, 1990 10:09:41 am  
RESULT: /DATA/LOOP/RESULT/Z39033.RES METHOD: M9FINGERPRINT

RL 900182602

AMPLITUDE/1000  
Force Normalized  
( 3.90, 7.55)

1C01229 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6330 FT.



SAMPLE: 1C01229-EXT

ANALYZED: Wed Jan 24, 1990 11:21:10 am

RESULT: /DATA/LOOP/RESULT/Z39034.RES METHOD: M9FINGERPRINT

RL 900182601

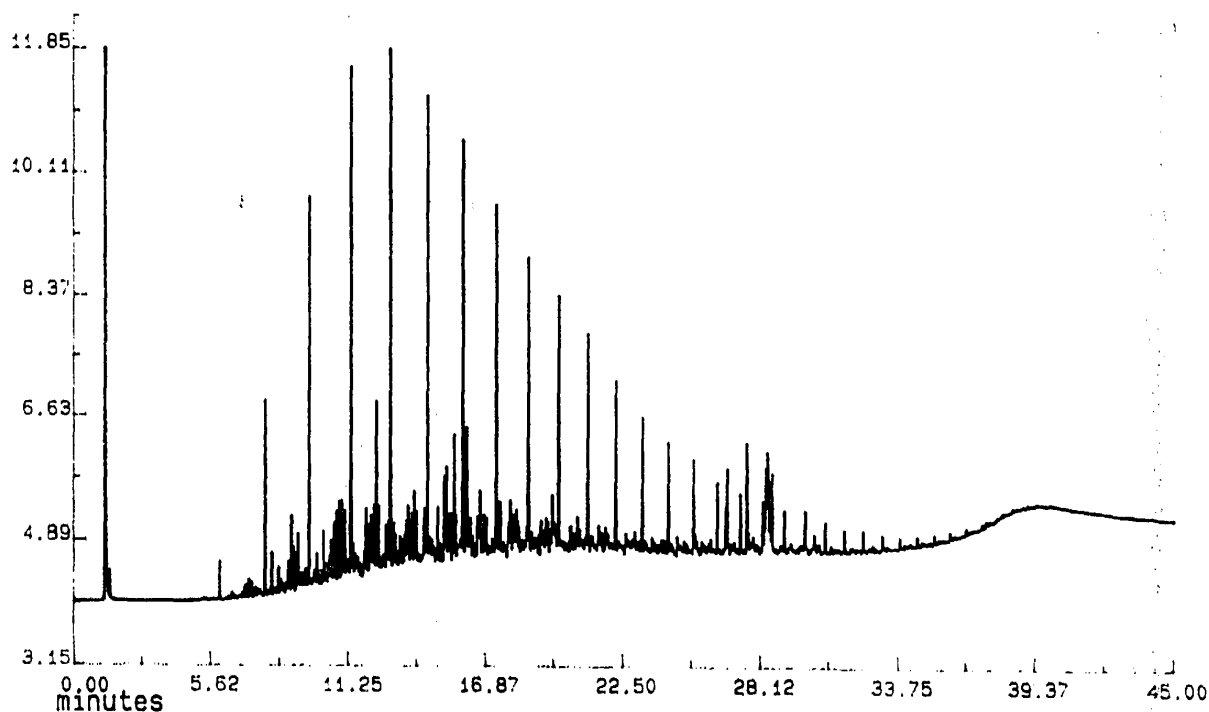
AMPLITUDE/1000  
Force Normalized  
( 3.61, 11.85)

Oil & Gas Cons. Commission  
Anchorage

APR 02 1990

RECEIVED

1C01230 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6340 FT.



SAMPLE: 1C01230-EXT

ANALYZED: Wed Jan 24, 1990 12:28:58 pm

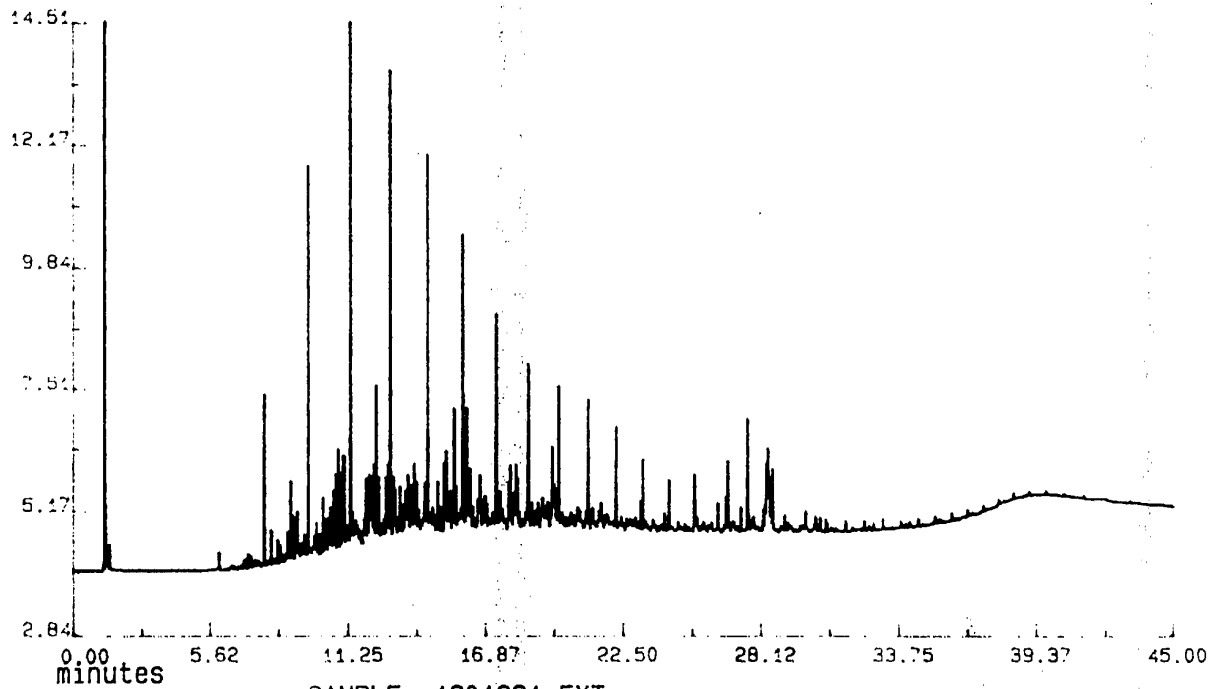
RESULT: /DATA/LOOP/RESULT/Z39035.RES

METHOD: M9FINGERPRINT

R L 900182601

AMPLITUDE/1000  
Force Normalized  
( 3.46, 14.51)

1C01231 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6350 FT.

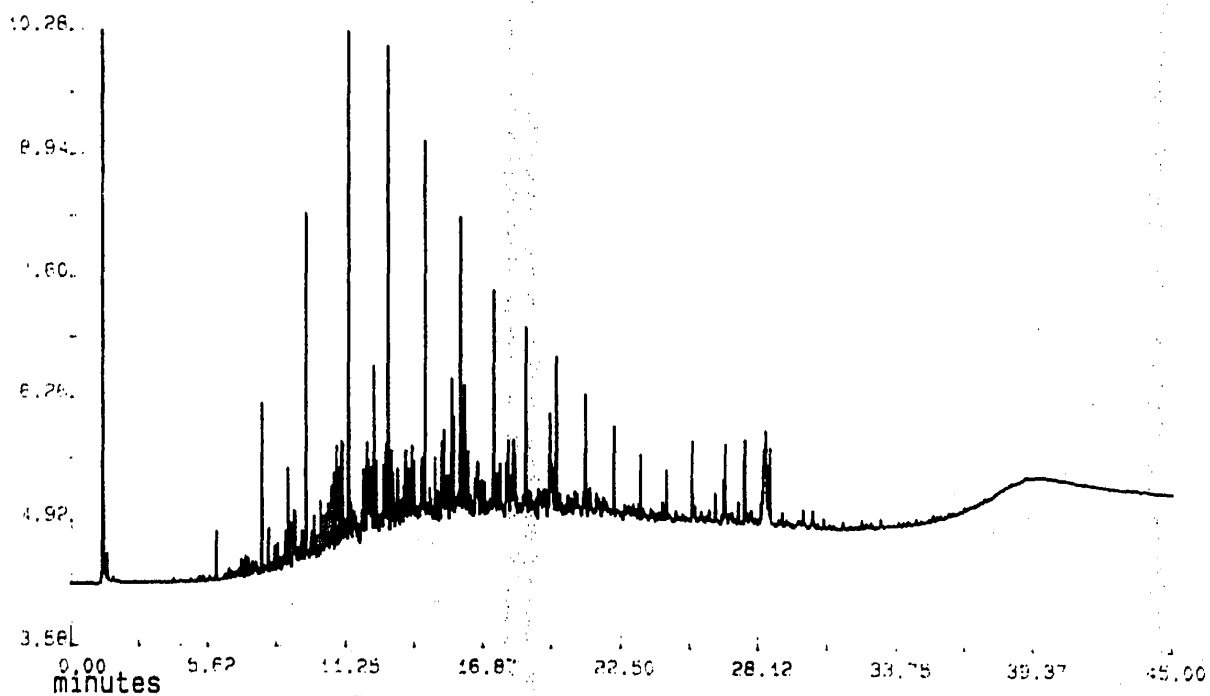


SAMPLE: 1C01231-EXT  
ANALYZED: Wed Jan 24, 1990 1:21:48 pm  
RESULT: /DATA/LOOP/RESULT/Z39036.RES METHOD: M9FINGERPRINT

R L 900182402

AMPLITUDE/1000  
Force Normalized  
( 3.94, 10.28)

1C01232 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6356 FT.



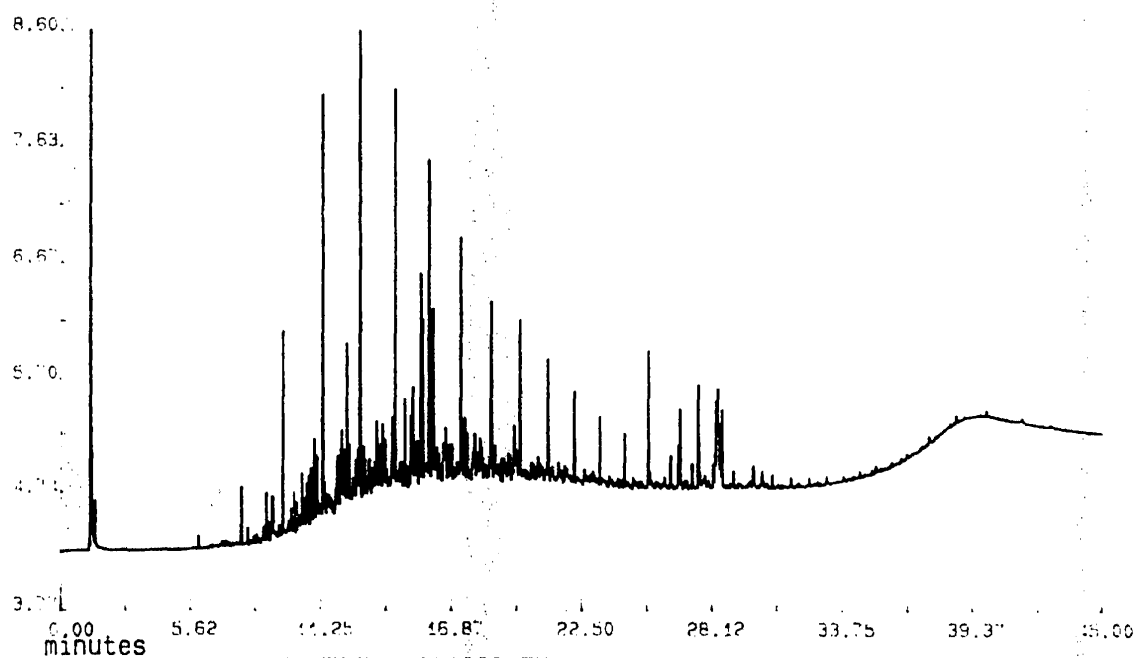
SAMPLE: 1C01232-EXT  
ANALYZED: Thu Jan 25, 1990 7:11:57 am  
RESULT: /DATA/LOOP/RESULT/Z39037.RES METHOD: M9FINGERPRINT

RL 900192601



AMPLITUDE/1000  
Force Normalized  
( 4.03, 8.60)

1C01233 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6357 FT.

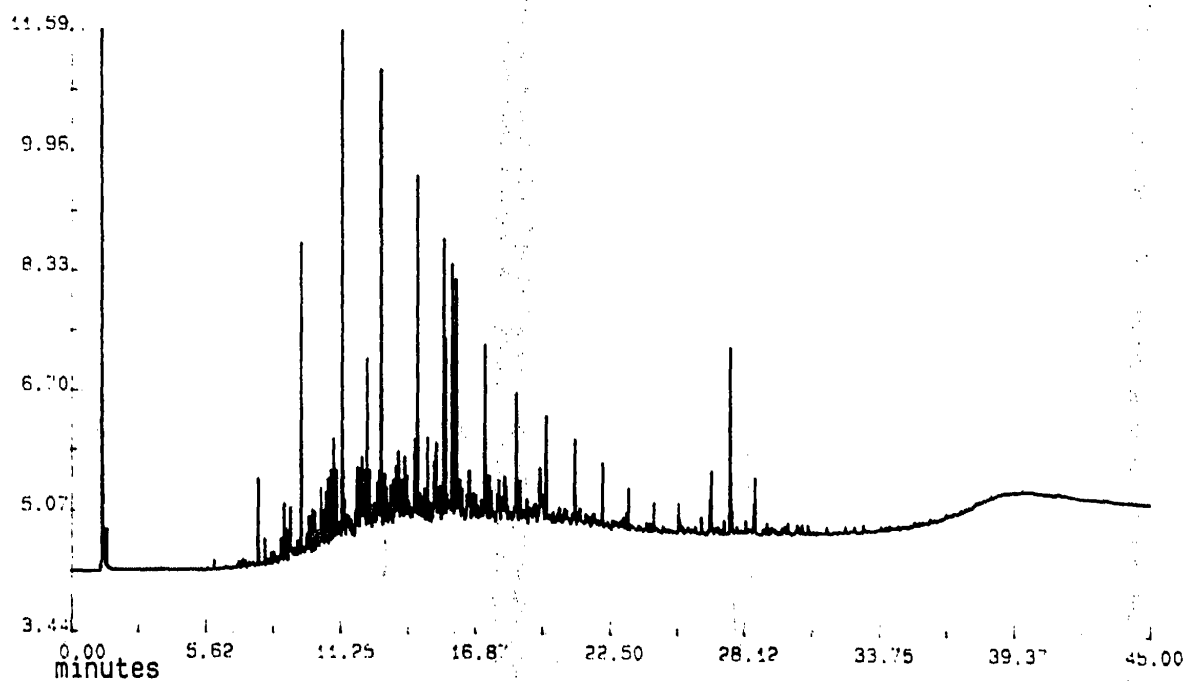


SAMPLE: 1C01233-EXT  
ANALYZED: Thu Jan 25, 1990 8:18:08 am  
RESULT: /DATA/LOOP/RESULT/Z39038.RES METHOD: M9FINGERPRINT

RL 400/92001

1C01234 -EXT  
 NORTH-SLOPE  
 BRONTOSAURUS 1  
 6358 FT.

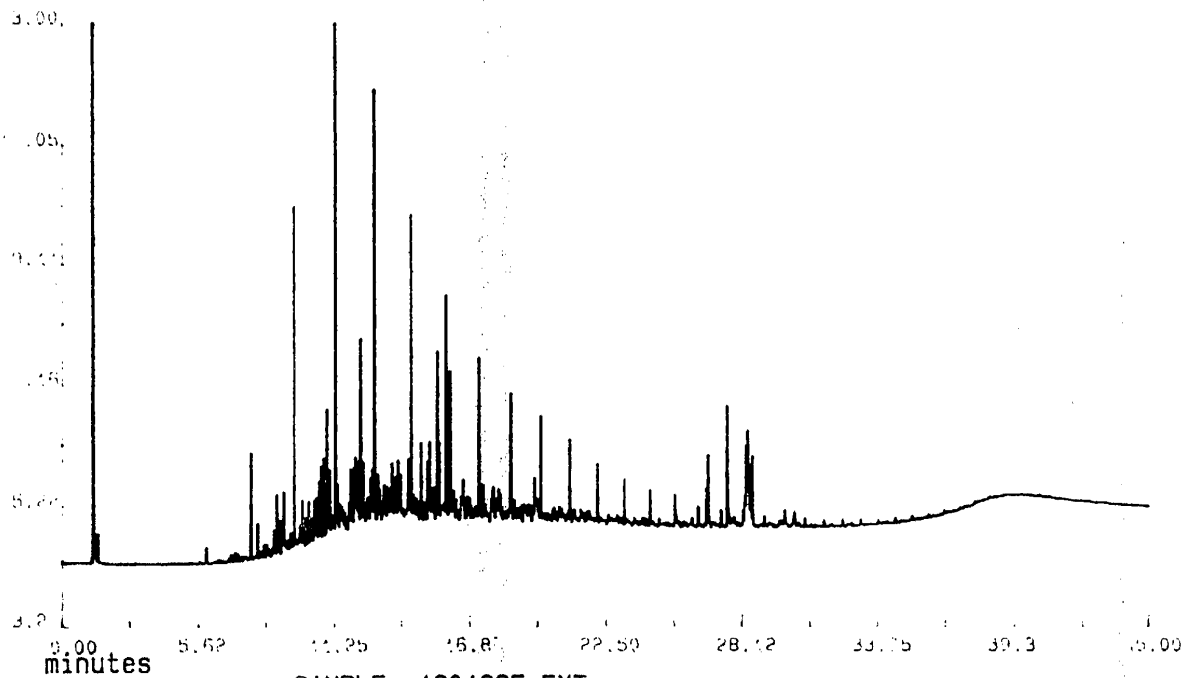
AMPLITUDE/1000  
 Force Normalized  
 ( 3.87, 11.59)



SAMPLE: 1C01234-EXT  
 ANALYZED: Thu Jan 25, 1990 9:25:53 am  
 RESULT: /DATA/LOOP/RESULT/Z39039.RES METHOD: M9FINGERPRINT

R L 900192601

AMPLITUDE/1000  
Force Normalized  
( 3.79, 13.00)



SAMPLE: 1C01235-EXT

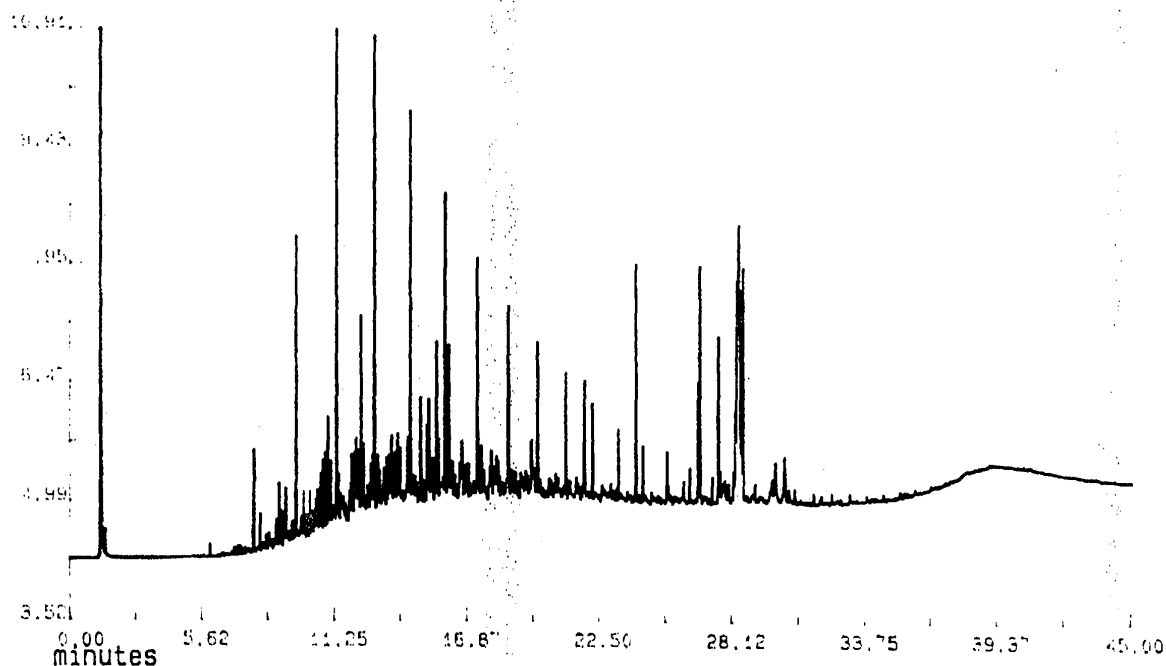
ANALYZED: Thu Jan 25, 1990 1: 47: 47 pm

RESULT: /DATA/LOOP/RESULT/Z39040.RES METHOD: M9FINGERPRINT

1C01235 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6362 FT•

R L 900192601

AMPLITUDE/1000  
Force Normalized  
( 3.91, 10.91)



1C01236 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6363 FT.

SAMPLE: 1C01236-EXT

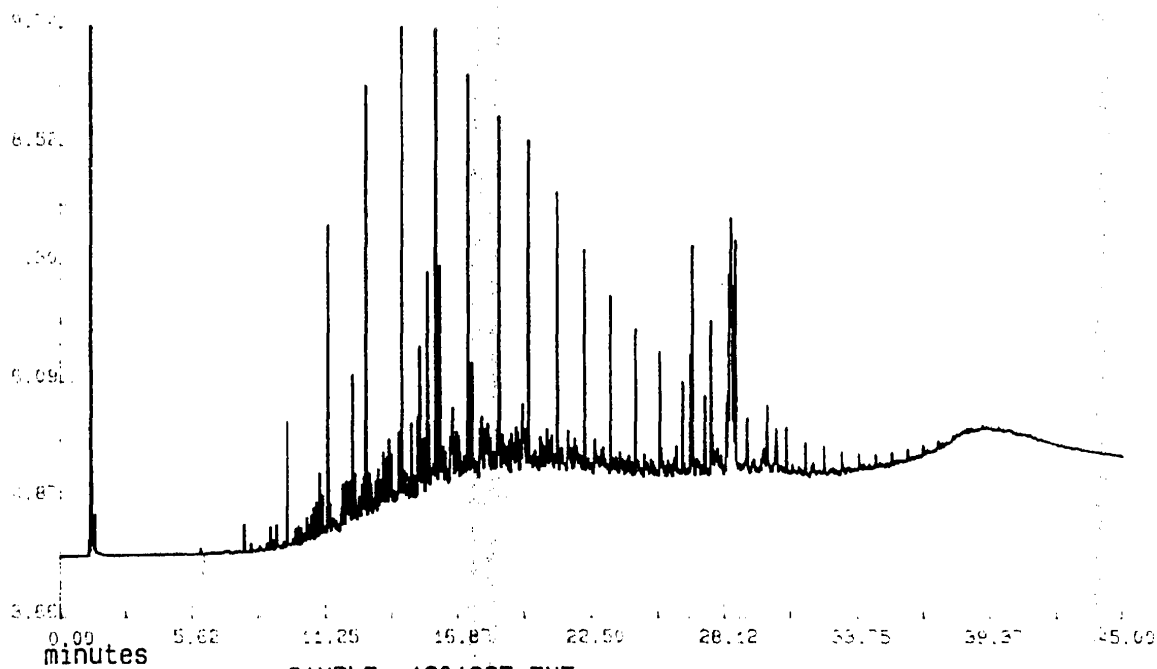
ANALYZED: Thu Jan 25, 1990 10:28:13 am

RESULT: /DATA/LOOP/RESULT/Z39041.RES METHOD: M9FINGERPRINT

R L 900192601

AMPLITUDE/1000  
Force Normalized  
( 3.98, 9.74)

1C01237 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6367 FT•

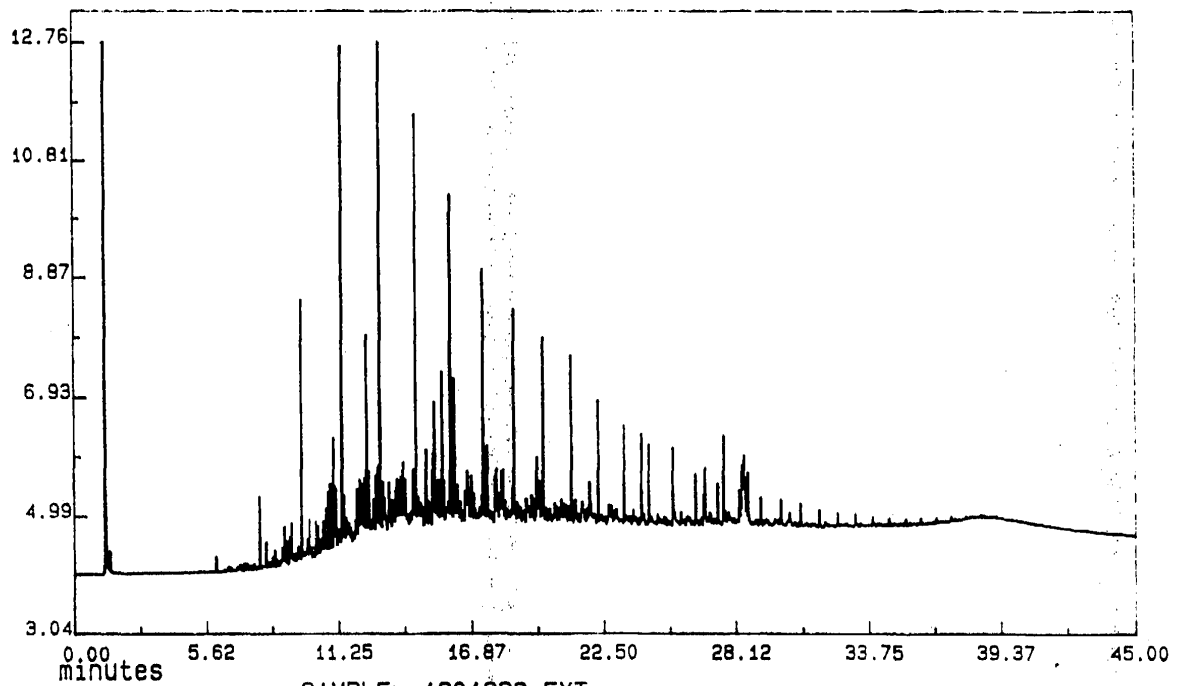


SAMPLE: 1C01237-EXT  
ANALYZED: Thu Jan 25, 1990 11:39:55 am  
RESULT: /DATA/LOOP/RESULT/Z39042.RES METHOD: M9FINGERPRINT

R L 900152601

AMPLITUDE/1000  
Force Normalized  
( 3.56, 12.76)

1C01238 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6369 FT.



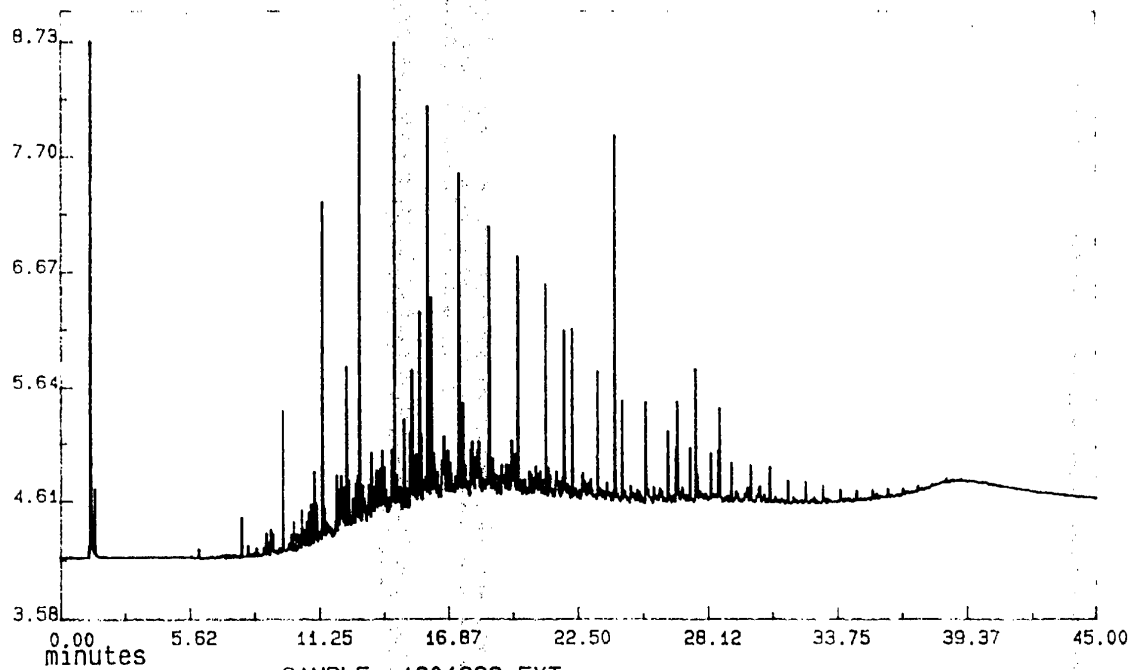
SAMPLE: 1C01238-EXT

ANALYZED: Mon Jan 22, 1990 1: 24: 00 pm

RESULT: /DATA/LOOP/RESULT/Z39043.RES METHOD: M9FINGERPRINT

R L 900162601

AMPLITUDE/1000  
Force Normalized  
( 3.86, 8.73)



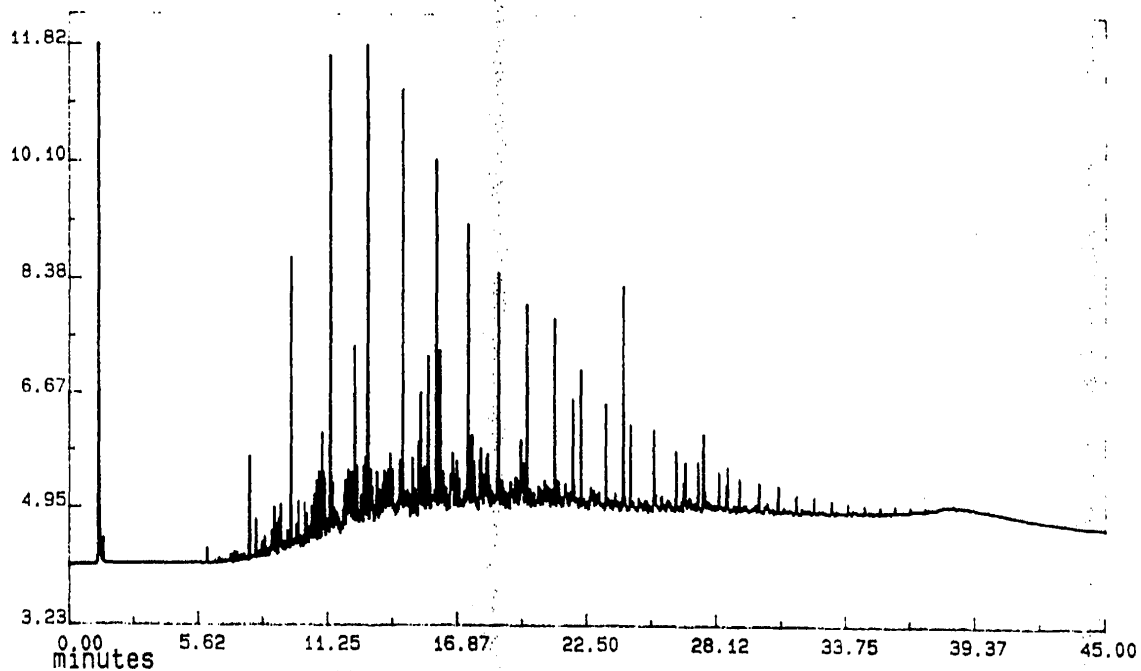
1C01239 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6370 FT.

SAMPLE: 1C01239-EXT  
ANALYZED: Tue Jan 23, 1990 5:50:58 am  
RESULT: /DATA/LOOP/RESULT/Z39044.RES METHOD: M9FINGERPRINT

RL 900126

AMPLITUDE/1000  
Force Normalized  
( 3.69, 11.82)

1C01240 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6381 FT.



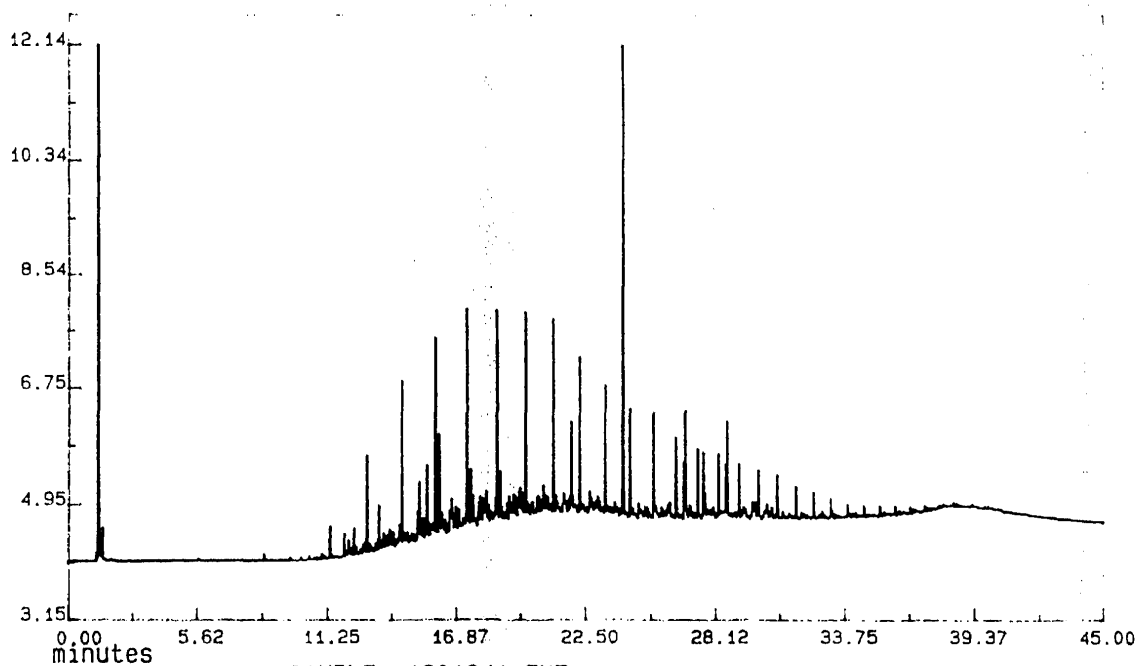
SAMPLE: 1C01240-EXT  
ANALYZED: Tue Jan 23, 1990 6:57:05 am  
RESULT: /DATA/LOOP/RESULT/Z39045.RES METHOD: M9FINGERPRINT

R L 90017260



AMPLITUDE/1000  
Force Normalized  
( 3.63, 12.14)

1C01241 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6382 FT•

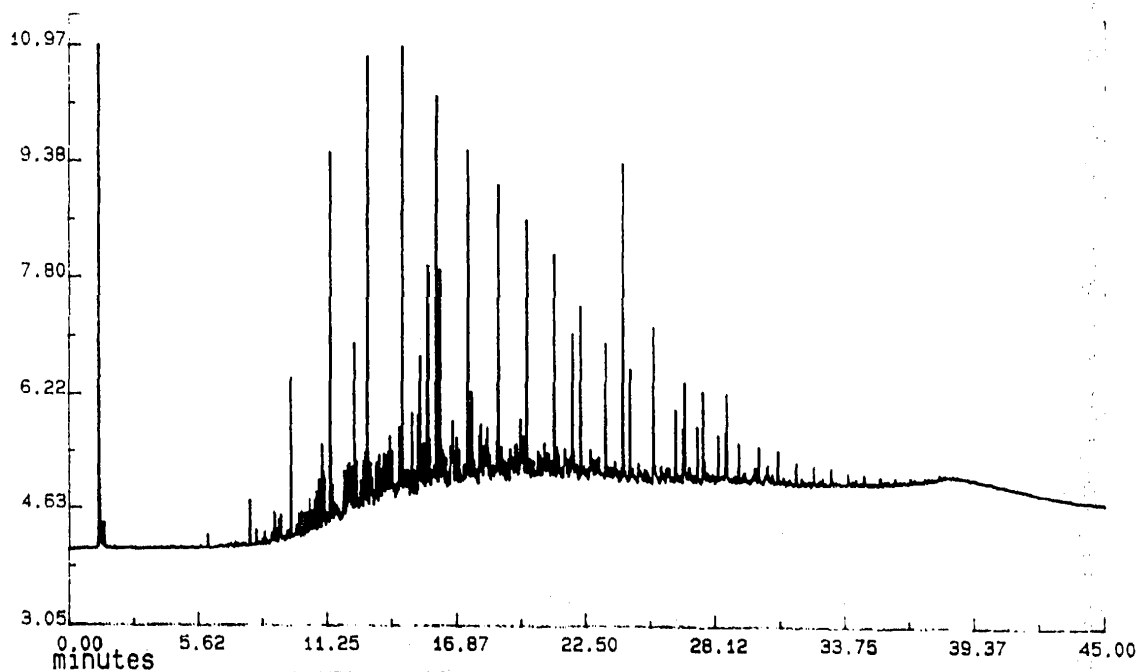


SAMPLE: 1C01241-EXT  
ANALYZED: Tue Jan 23, 1990 7:56:17 am  
RESULT: /DATA/LOOP/RESULT/Z39046.RES METHOD: M9FINGERPRINT

R L 90017260

AMPLITUDE/1000  
Force Normalized  
( 3.47, 10.97)

1C01242 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6383 FT.

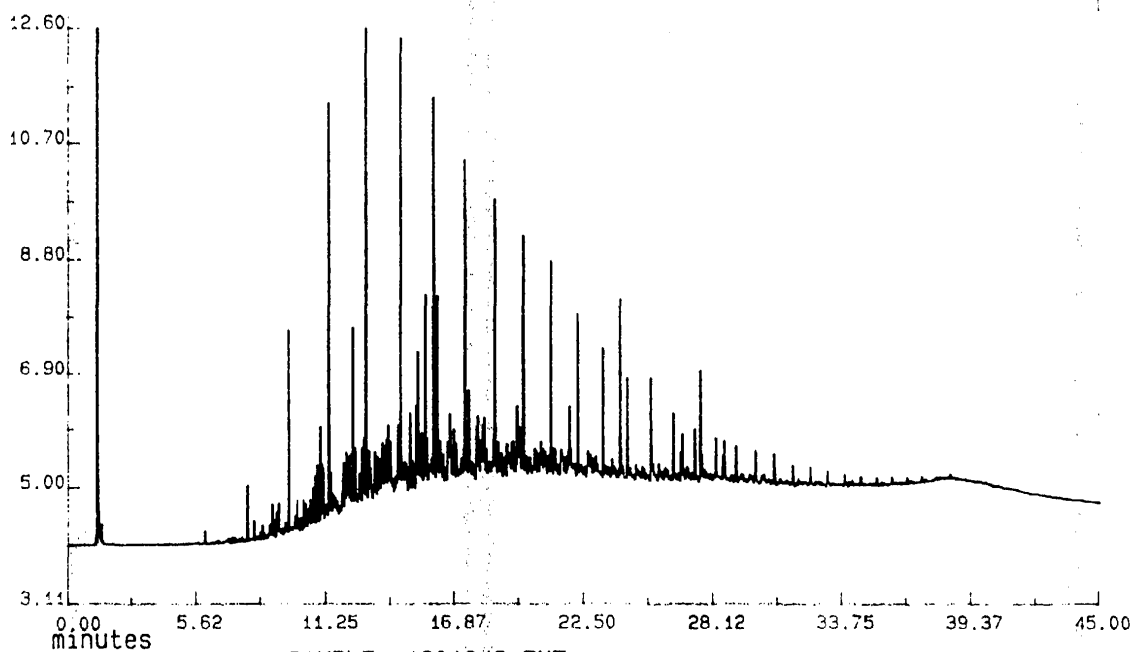


SAMPLE: 1C01242-EXT  
ANALYZED: Tue Jan 23, 1990 9:08:44 am  
RESULT: /DATA/LOOP/RESULT/Z39047.RES METHOD: M9FINGERPRINT

R L 90017260

AMPLITUDE/1000  
Force Normalized  
( 3.61, 12.60)

1C01243 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6384 FT.



SAMPLE: 1C01243-EXT  
ANALYZED: Tue Jan 23, 1990 10:16:15 am  
RESULT: /DATA/LOOP/RESULT/Z39048.RES METHOD: M9FINGERPRINT

RL 900172602

AMPLITUDE/1000  
Force Normalized  
( 3.59, 13.26)

1C01244 -EXT

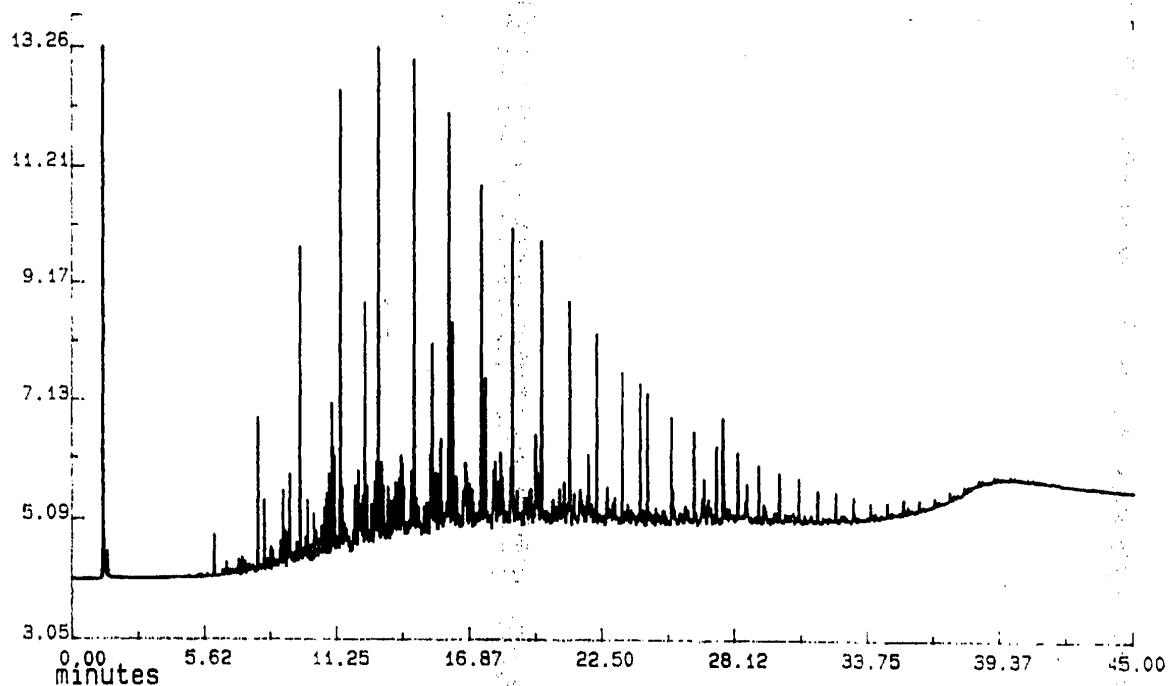
NORTH-SLOPE

BRONTOSAURUS 1

6391

FT.

one 6391 sample was a  
shale  
one 6391 sample was a  
caving



SAMPLE: 1C01244-EXT

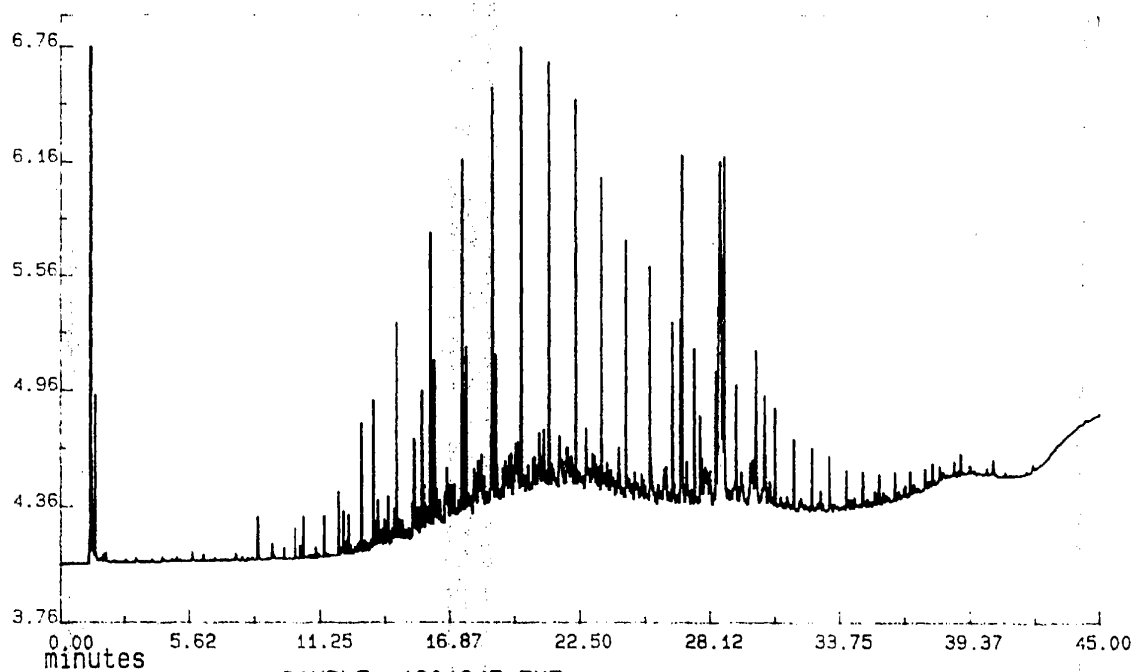
ANALYZED: Tue Jan 23, 1990 12:56:41 pm

RESULT: /DATA/LOOP/RESULT/Z39049.RES METHOD: M9FINGERPRINT

R L 900172602

AMPLITUDE/1000  
Force Normalized  
( 3.92, 6.76)

1C01245 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6391 FT•

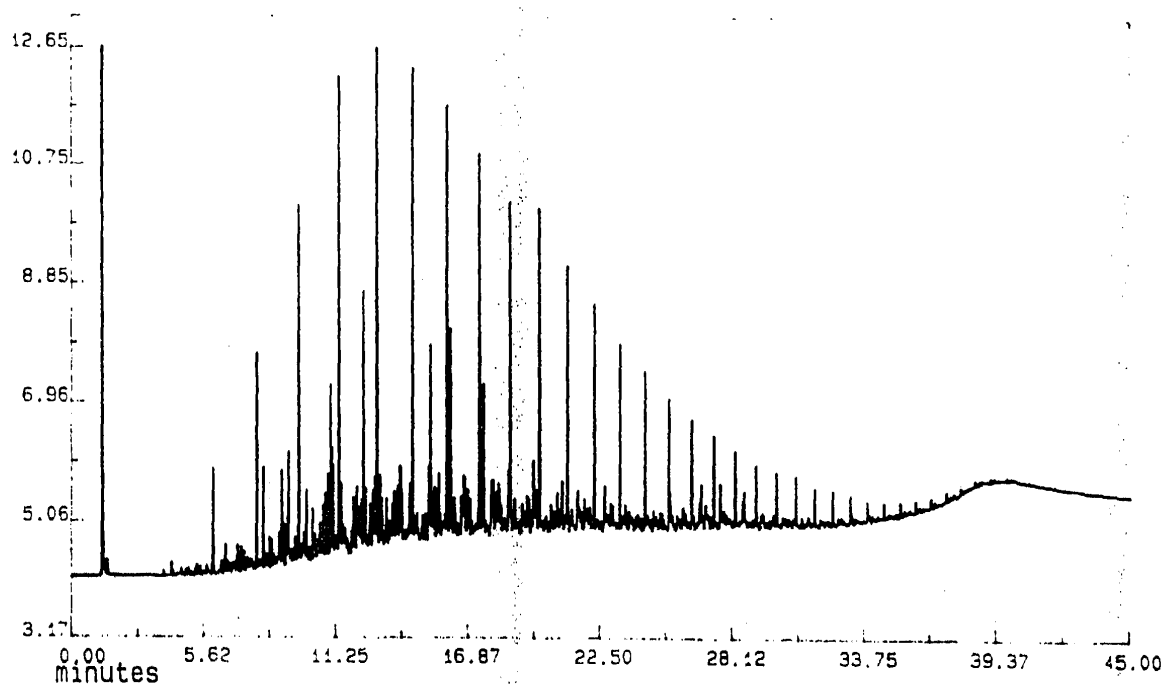


SAMPLE: 1C01245-EXT  
ANALYZED: Tue Jan 23, 1990 11:25:58 am  
RESULT: /DATA/LOOP/RESULT/Z39050.RES METHOD: M9FINGERPRINT

R L 40017266

AMPLITUDE/1000  
Force Normalized  
( 3.67, 12.65)

1C01246 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6393 FT.

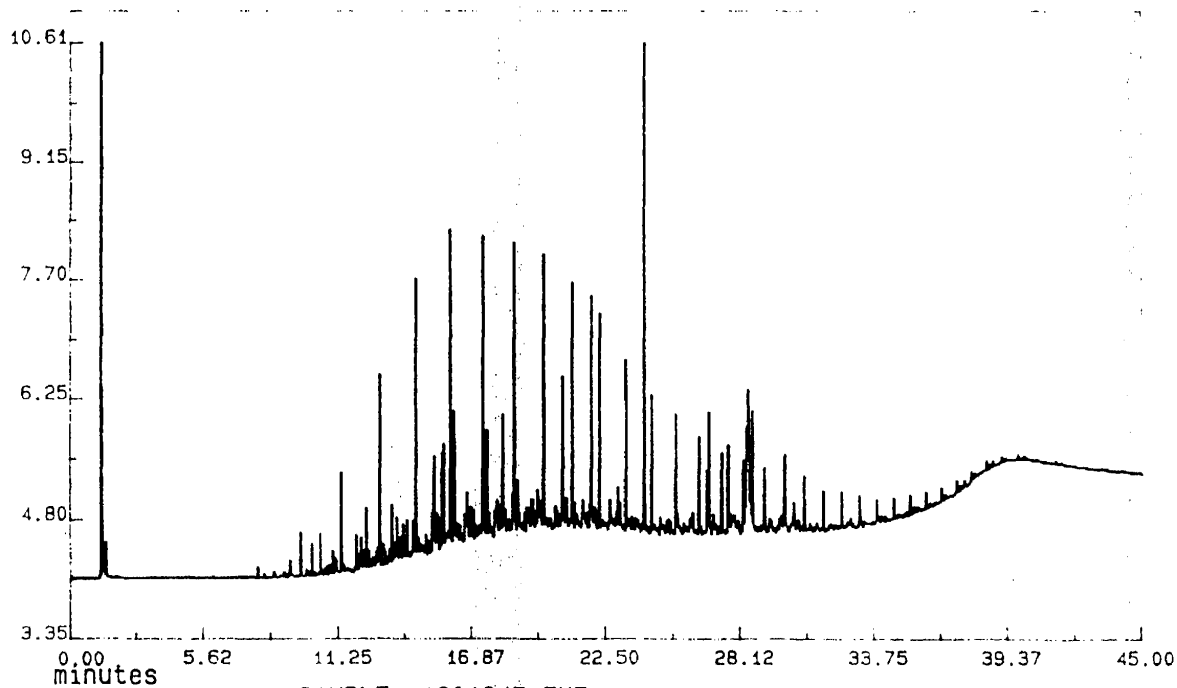


SAMPLE: 1C01246-EXT  
ANALYZED: Wed Jan 24, 1990 5:58:47 am  
RESULT: /DATA/LOOP/RESULT/Z39051.RES METHOD: M9FINGERPRINT

RL 900182601

AMPLITUDE/1000  
Force Normalized  
( 3.74, 10.61)

1C01247 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6401 FT•

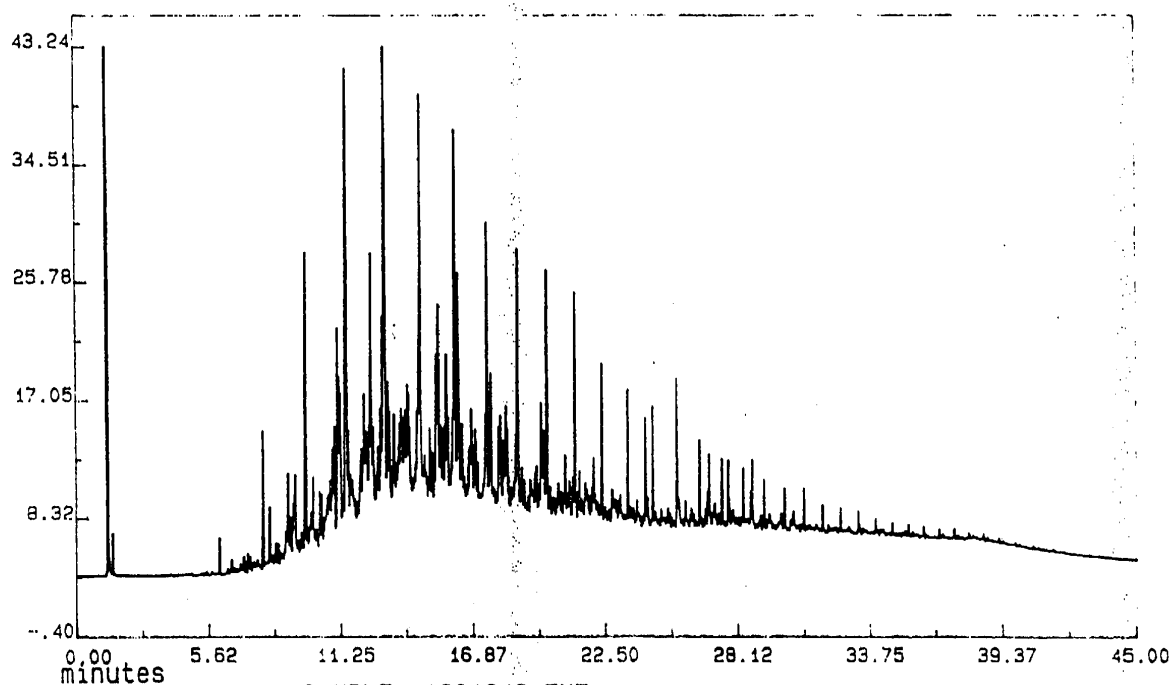


SAMPLE: 1C01247-EXT  
ANALYZED: Wed Jan 24, 1990 7:08:48 am  
RESULT: /DATA/LOOP/RESULT/Z39052.RES METHOD: M9FINGERPRINT

RL 900182601

AMPLITUDE/1000  
Force Normalized  
( 1.89, 43.24)

1C01248 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6409 FT.



SAMPLE: 1C01248-EXT

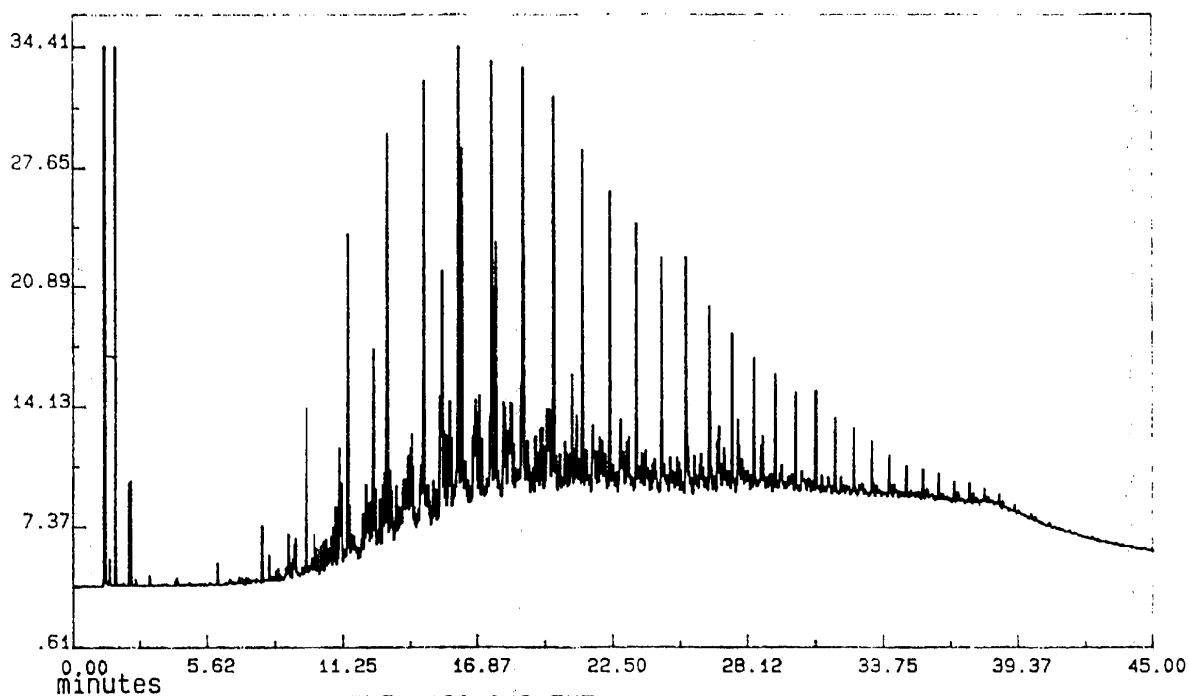
ANALYZED: Wed Jan 17, 1990 5:33:23 pm

RESULT: /DATA/LOOP/RESULT/Z39053.RES METHOD: M9FINGERPRINT



AMPLITUDE/1000  
Force Normalized  
( 2.39, 34.41)

1C01249 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6411 FT•



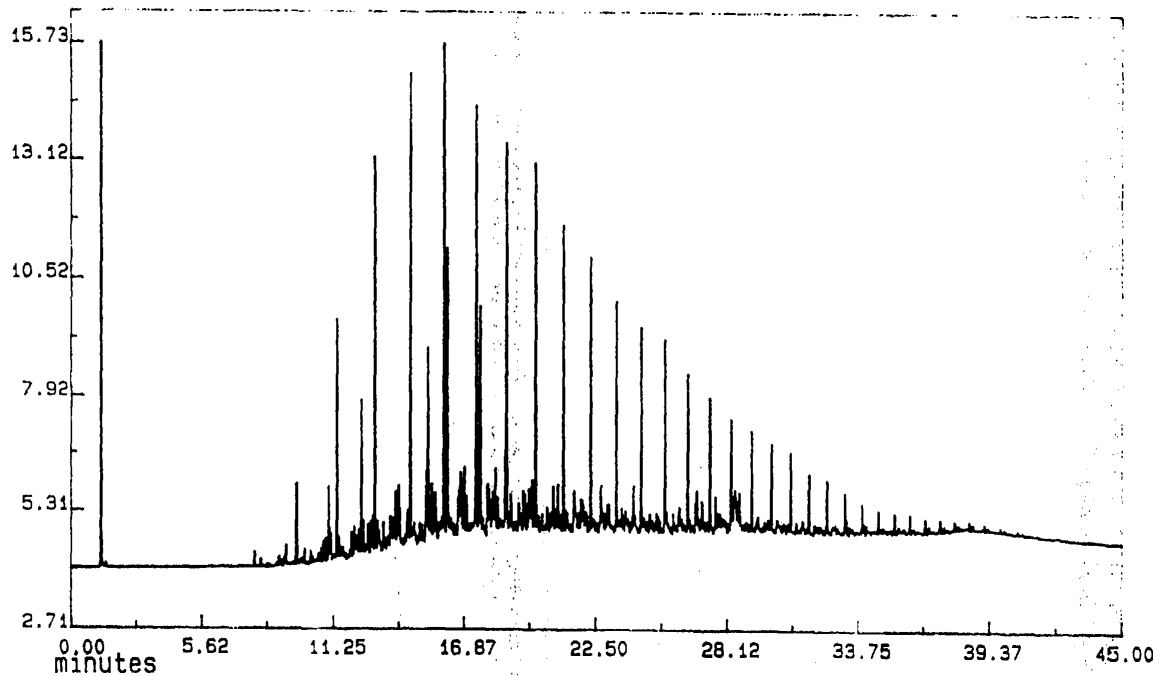
SAMPLE: 1C01249-EXT

ANALYZED: Wed Jan 17, 1990 6:38:37 pm

RESULT: /DATA/LOOP/RESULT/Z39054.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.40, 15.73)

1C01250 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6424 FT.

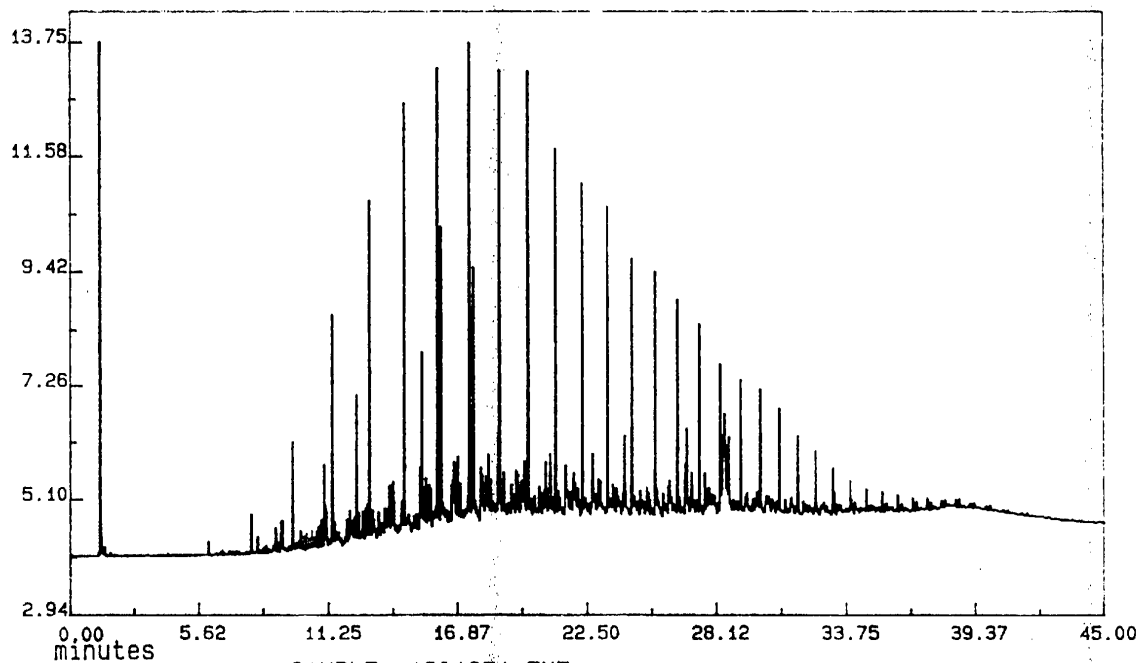


SAMPLE: 1C01250-EXT  
ANALYZED: Thu Jan 18, 1990 12: 31: 49 pm  
RESULT: /DATA/LOOP/RESULT/Z39055.RES METHOD: M9FINGERPRINT

RL 9005002

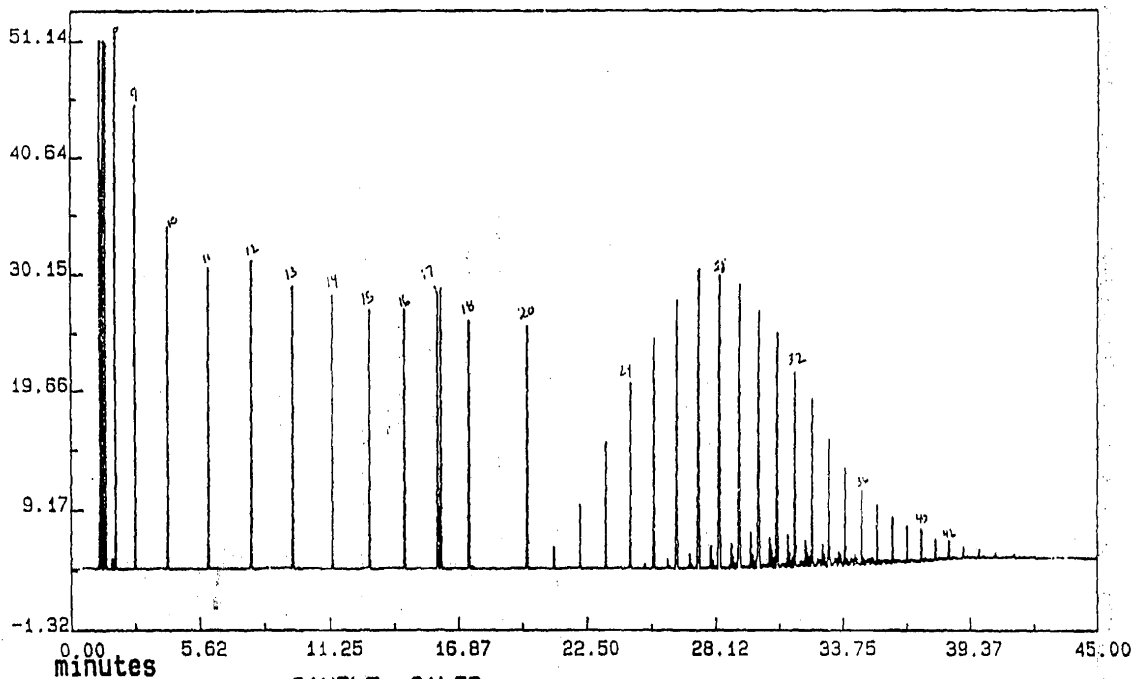
AMPLITUDE/1000  
Force Normalized  
( 3.51, 13.75)

1C01251 -EXT  
NORTH-SLOPE  
BRONTOSAURUS 1  
6425 FT.



SAMPLE: 1C01251-EXT  
ANALYZED: Thu Jan 18, 1990 1:38:02 pm  
RESULT: /DATA/LOOP/RESULT/Z39056.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



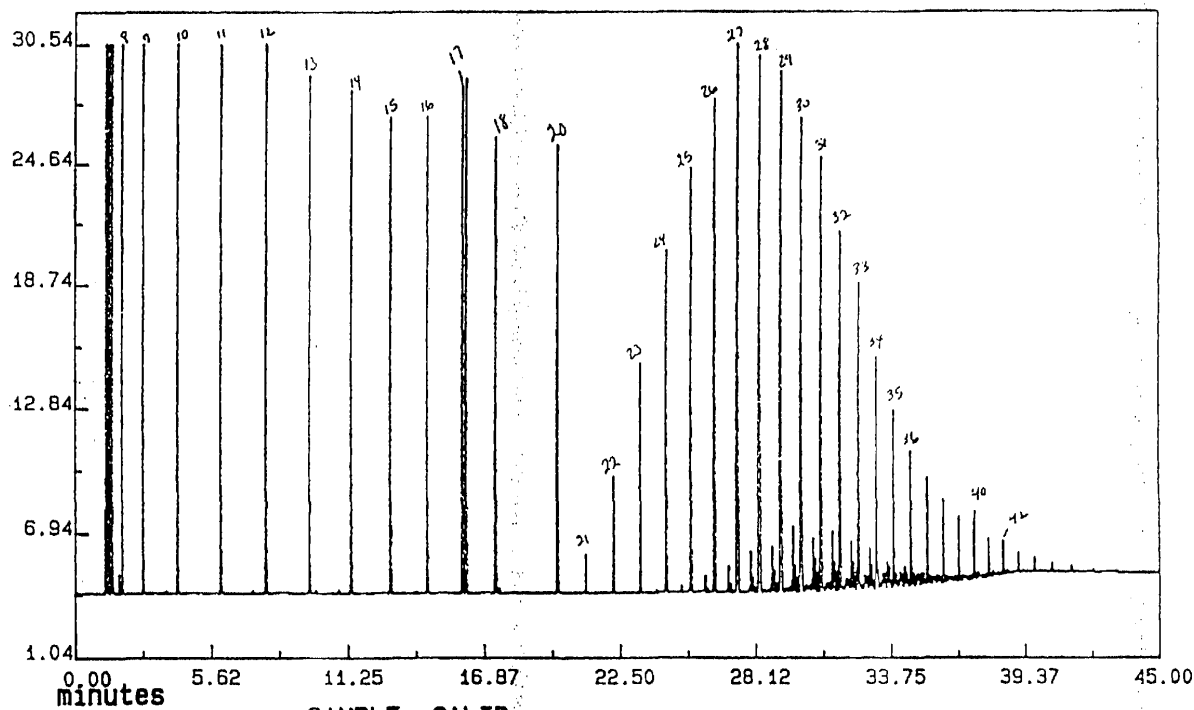
SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB

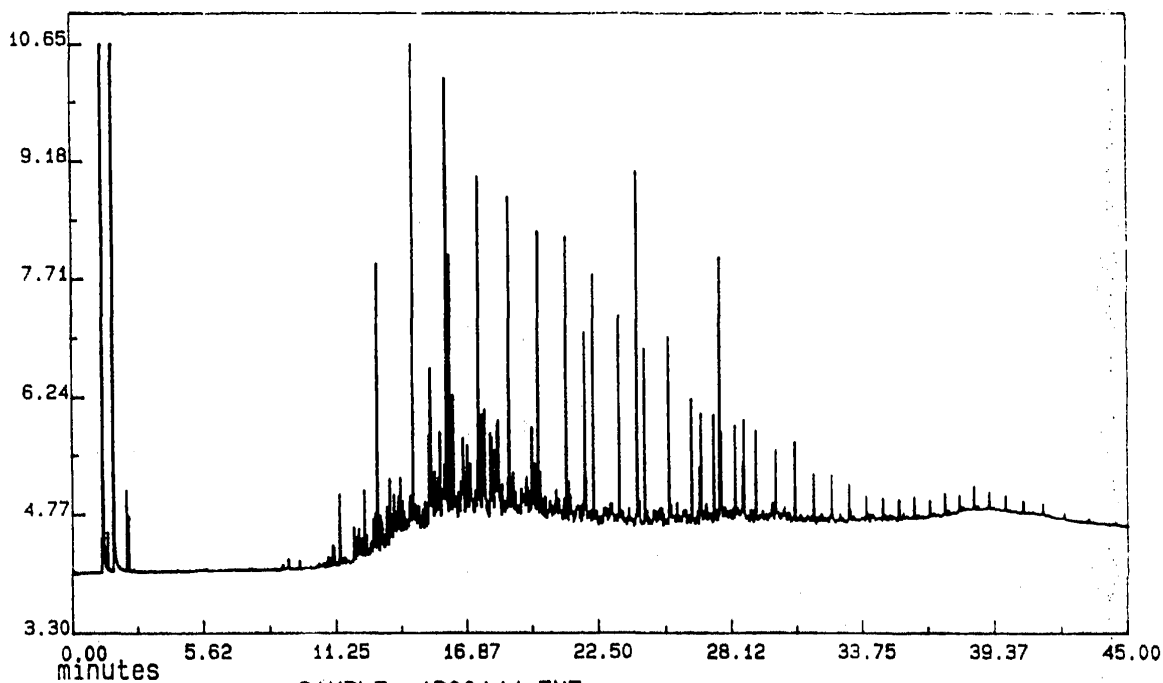
ANALYZED: Thu Jan 25, 1990 5: 53: 37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.69, 10.65)

1D00144 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
10962 FT•

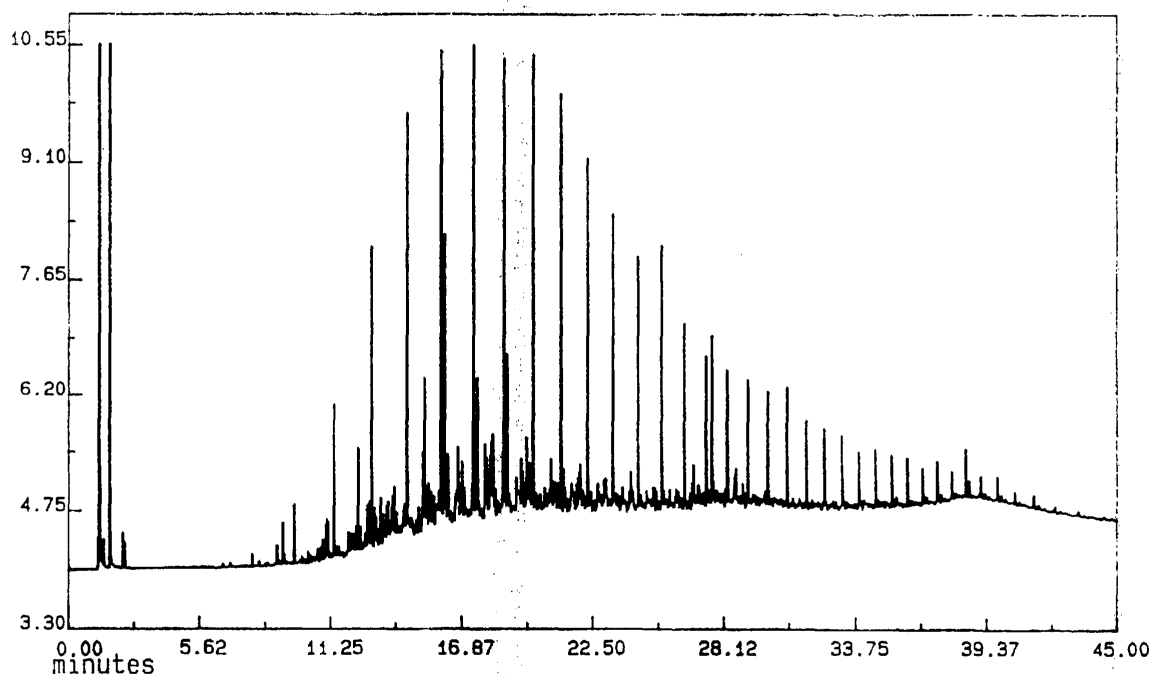


SAMPLE: 1D00144-EXT  
ANALYZED: Mon Jan 22, 1990 7: 23: 53 am  
RESULT: /DATA/LOOP/RESULT/Z39057.RES METHOD: M9FINGERPRINT

JAL 900162601

AMPLITUDE/1000  
Force Normalized  
( 3.69, 10.55)

1D00145 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
10986 FT.

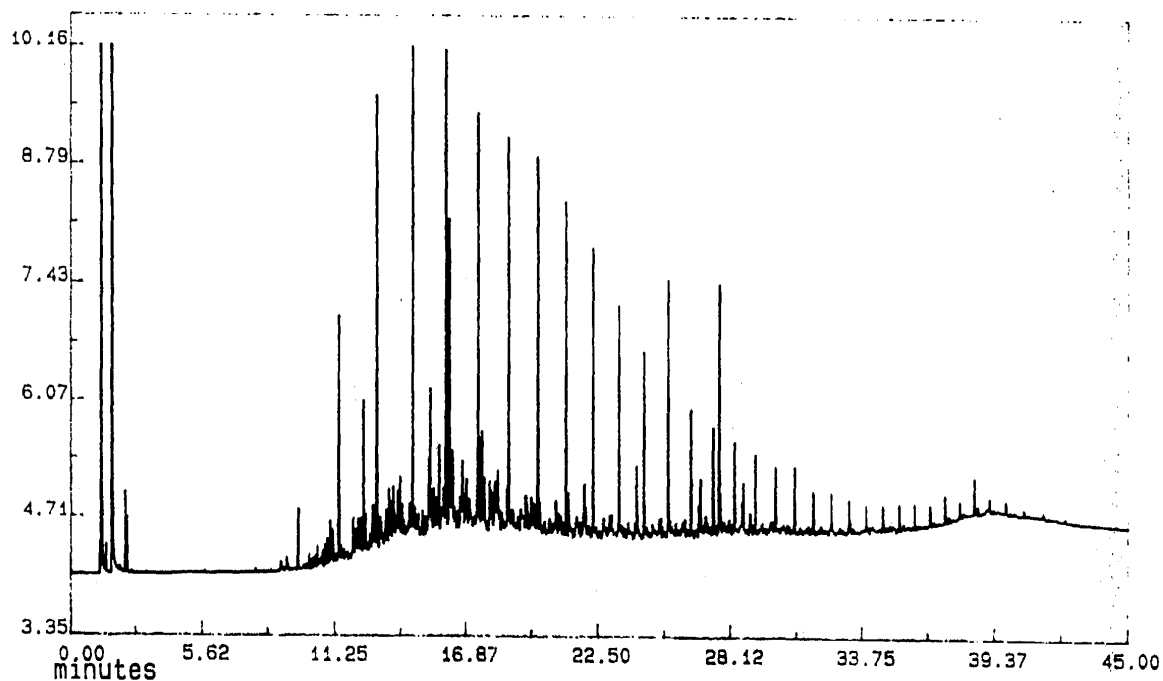


SAMPLE: 1D00145-EXT  
ANALYZED: Mon Jan 22, 1990 8:37:39 am  
RESULT: /DATA/LOOP/RESULT/Z39058.RES METHOD: M9FINGERPRINT

JAL 90012601

AMPLITUDE/1000  
Force Normalized  
( 3.71, 10.16)

1D00146 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
10998 FT.



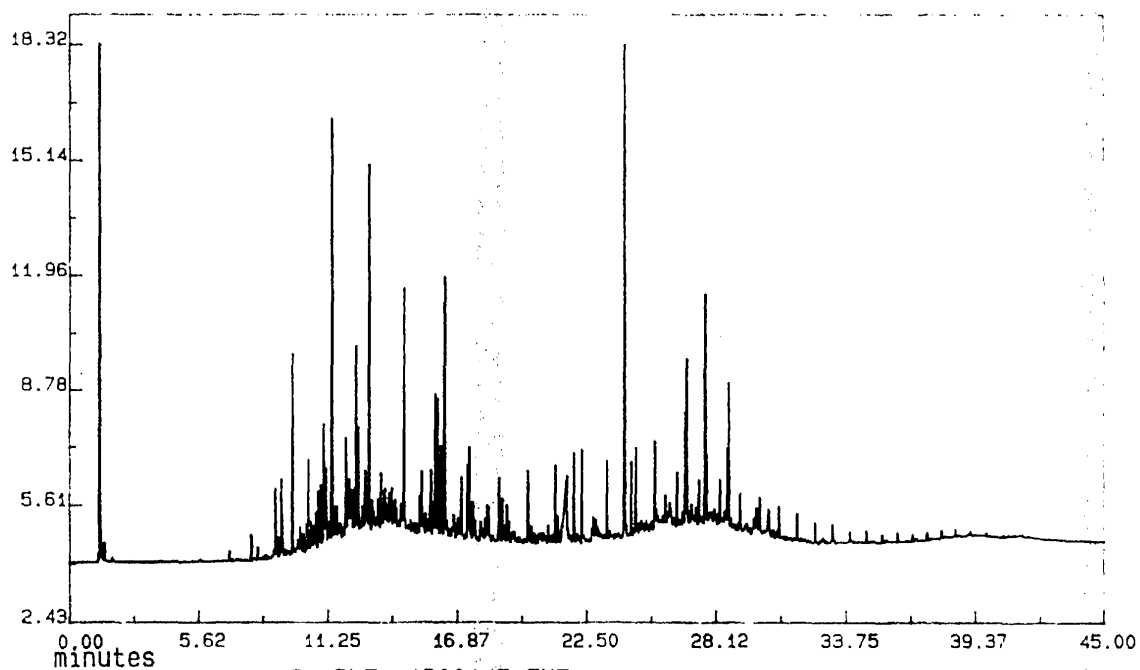
SAMPLE: 1D00146-EXT  
ANALYZED: Thu Jan 18, 1990 11:09:53 am  
RESULT: /DATA/LOOP/RESULT/Z39059.RES METHOD: M9FINGERPRINT

JAC 900152602



AMPLITUDE/1000  
Force Normalized  
( 3.27, 18.32)

1000147 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
11007 FT.



SAMPLE: 1000147-EXT

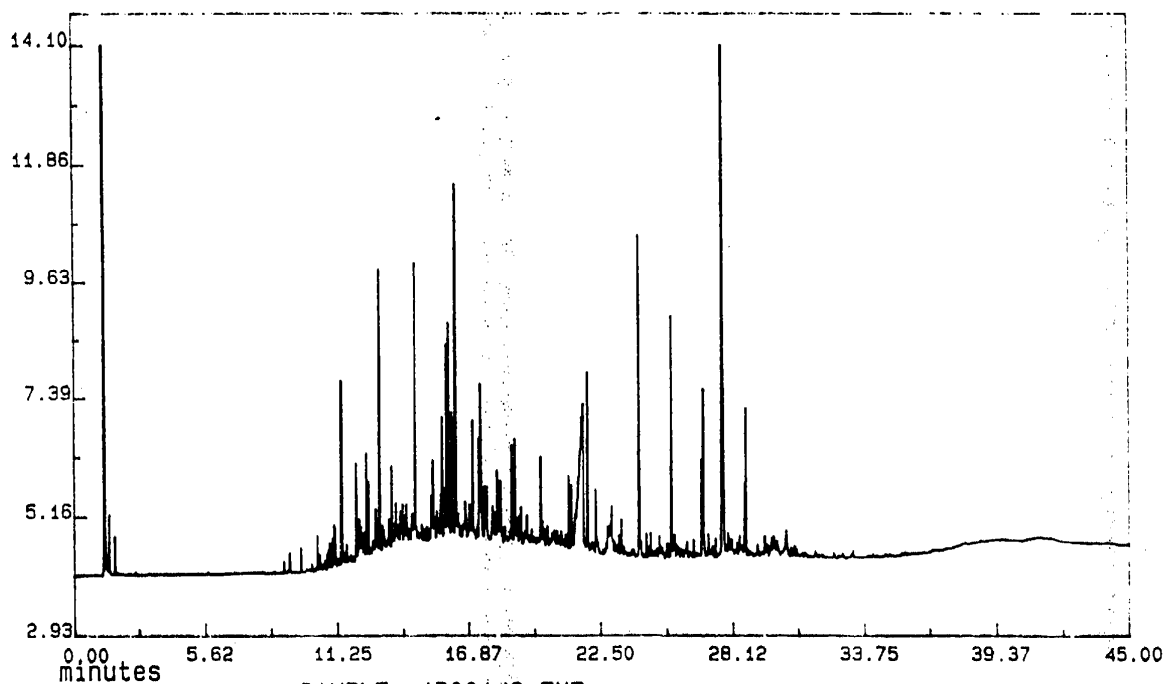
ANALYZED: Thu Jan 18, 1990 10:06:36 am

RESULT: /DATA/LOOP/RESULT/Z39060.RES METHOD: M9FINGERPRINT

1000147-EXT

AMPLITUDE/1000  
Force Normalized  
( 3.52, 14.10)

1D00148 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
11009 FT•

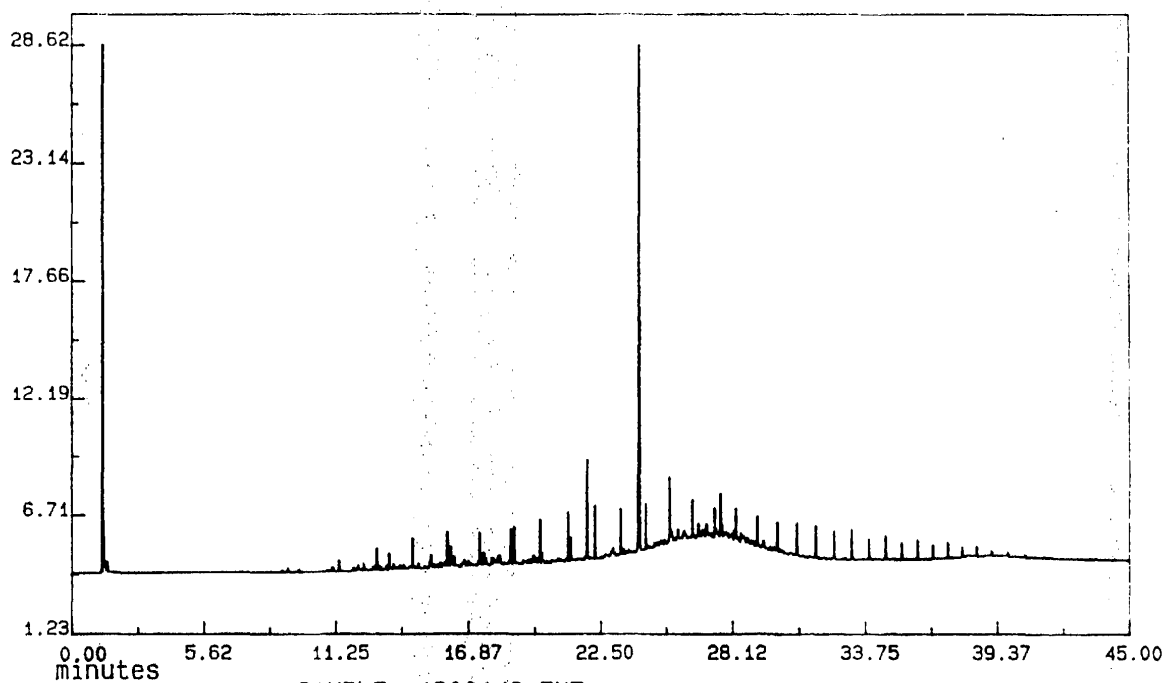


SAMPLE: 1D00148-EXT  
ANALYZED: Thu Jan 18, 1990 7:56:50 am  
RESULT: /DATA/LOOP/RESULT/Z39061.RES METHOD: M9FINGERPRINT

JAC 950152602

AMPLITUDE/1000  
Force Normalized  
( 2.68, 28.62)

1D00149 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
11019 FT.

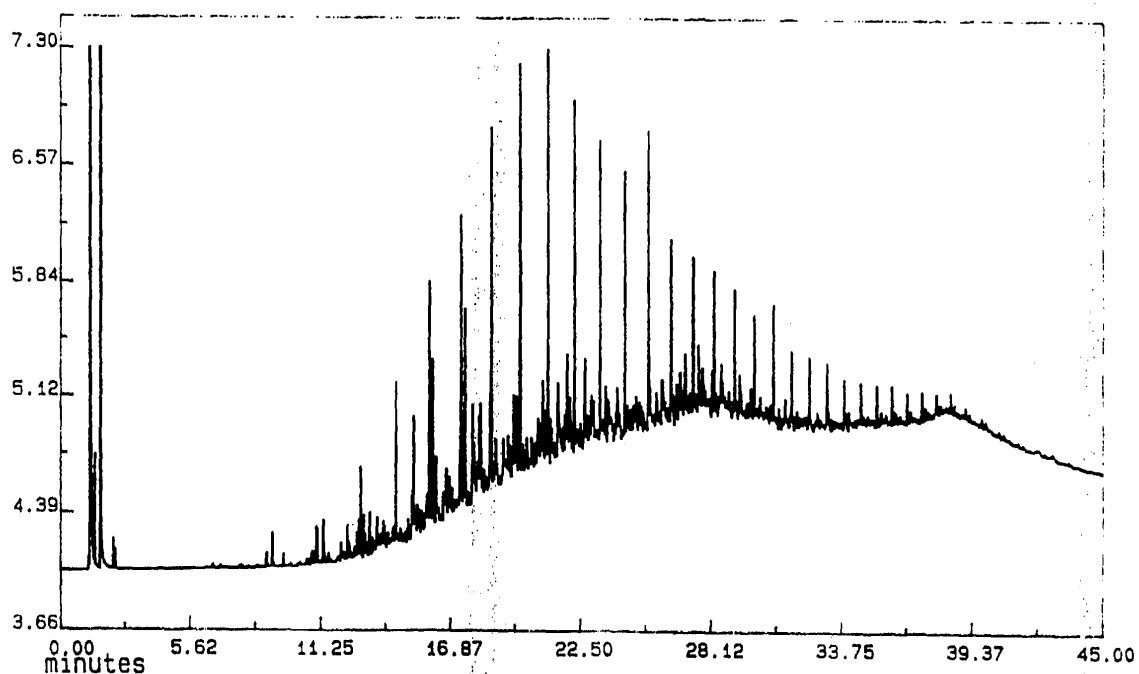


SAMPLE: 1D00149-EXT  
ANALYZED: Mon Jan 22, 1990 9: 50: 28 am  
RESULT: /DATA/LOOP/RESULT/Z39062.RES METHOD: M9FINGERPRINT

JAC 900162601

AMPLITUDE/1000  
Force Normalized  
( 3.86, 7.30)

1D00150 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
11031 FT•

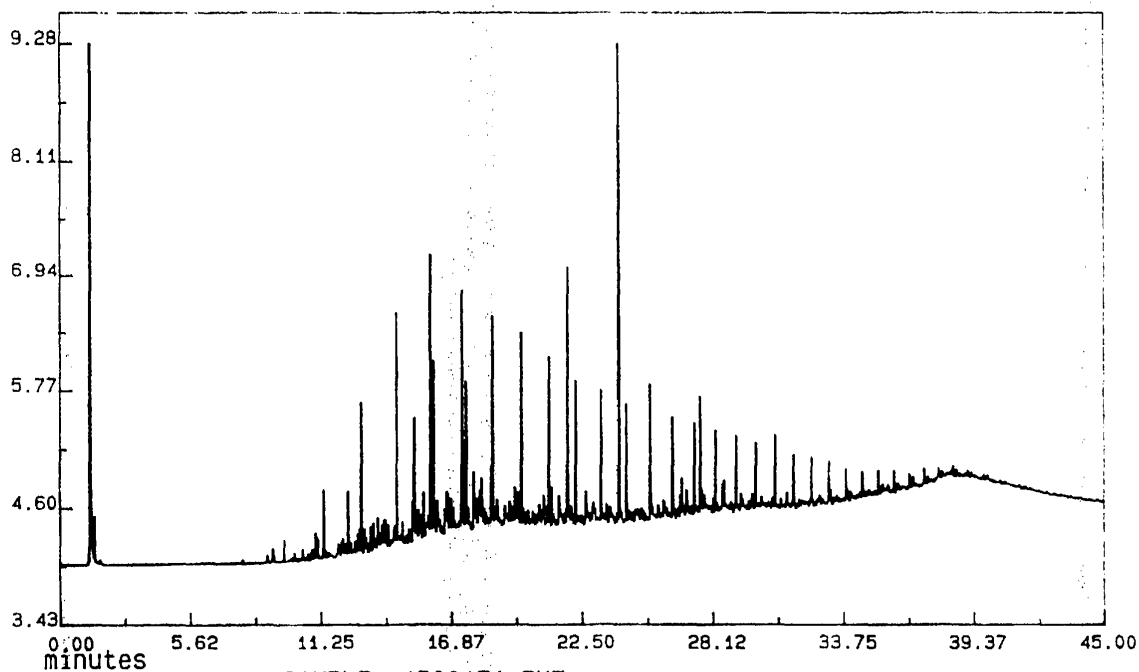


SAMPLE: 1D00150-EXT  
ANALYZED: Mon Jan 22, 1990 10:59:12 am  
RESULT: /DATA/LOOP/RESULT/Z39065.RES METHOD: M9FINGERPRINT

JAL 900162601

AMPLITUDE/1000  
Force Normalized  
( 3.74, 9.28)

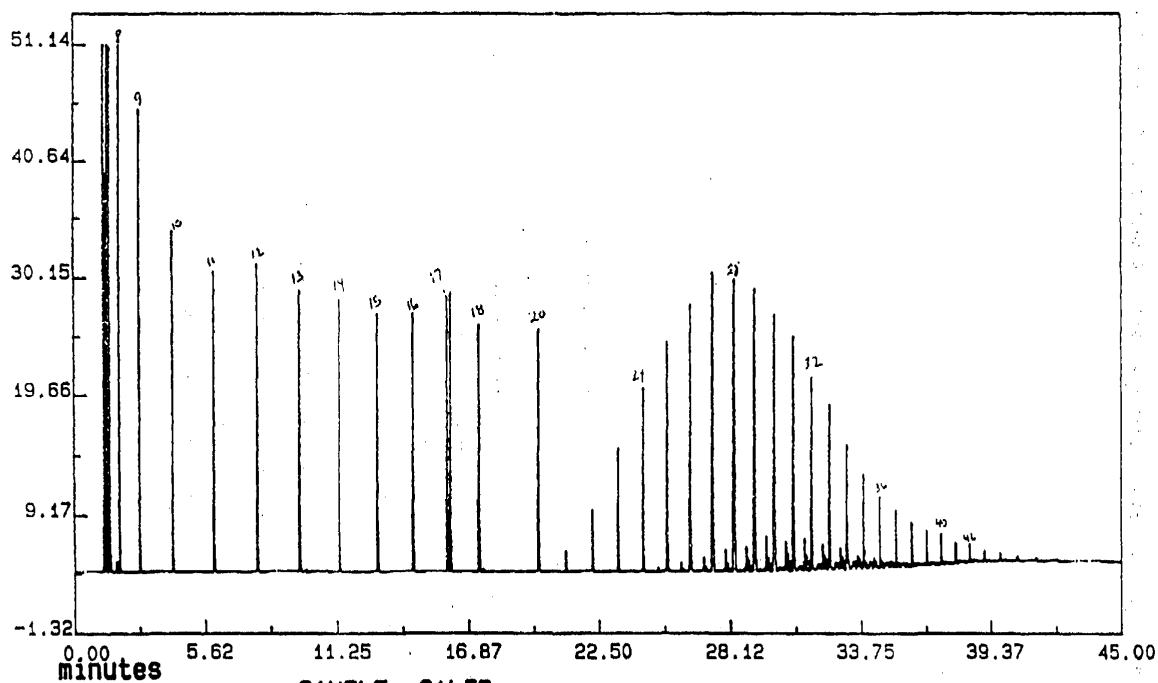
1D00151 -EXT  
NORTH-SLOPE  
NORTHSTAR BF-46 1  
11045 FT.



SAMPLE: 1D00151-EXT  
ANALYZED: Mon Jan 22, 1990 12:04:26 pm  
RESULT: /DATA/LOOP/RESULT/Z39064.RES METHOD: M9FINGERPRINT

JAC 900162401

AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)

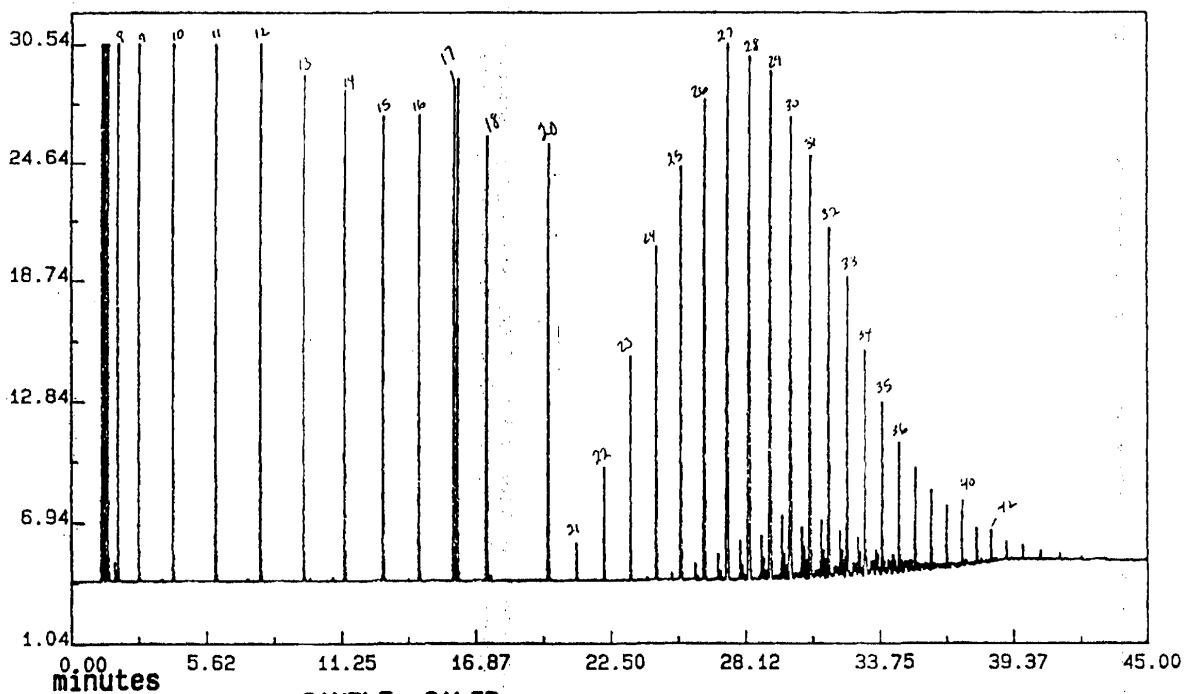


SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB

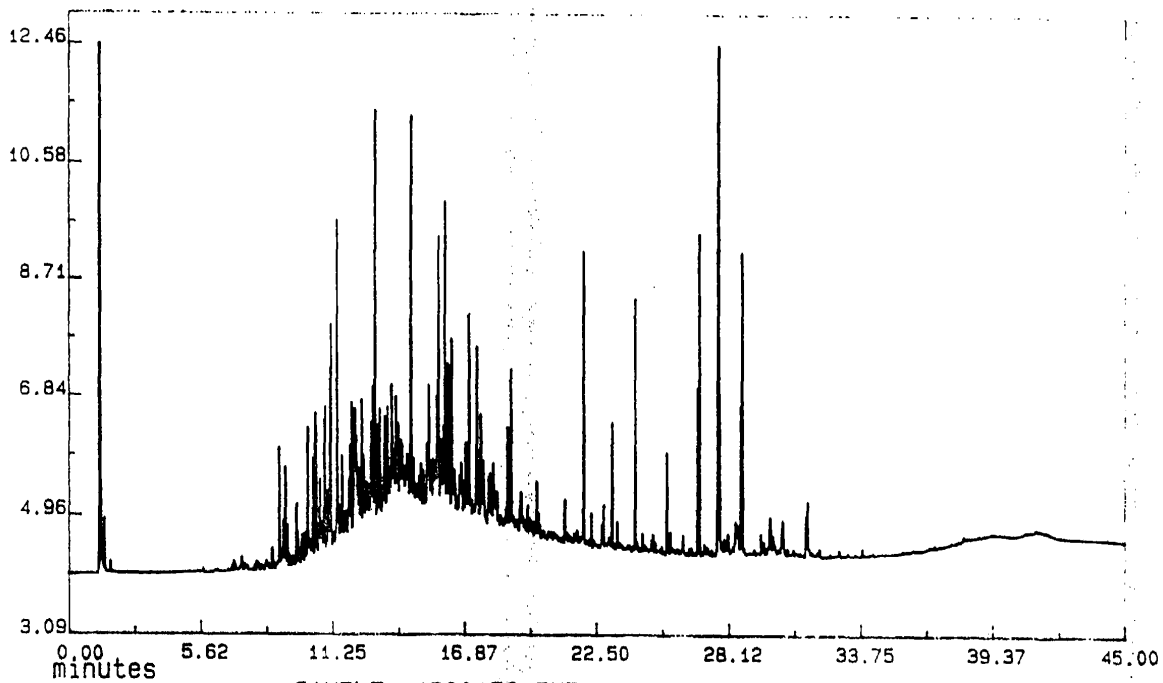
ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.59, 12.46)

1000152 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15150 15160 FT.

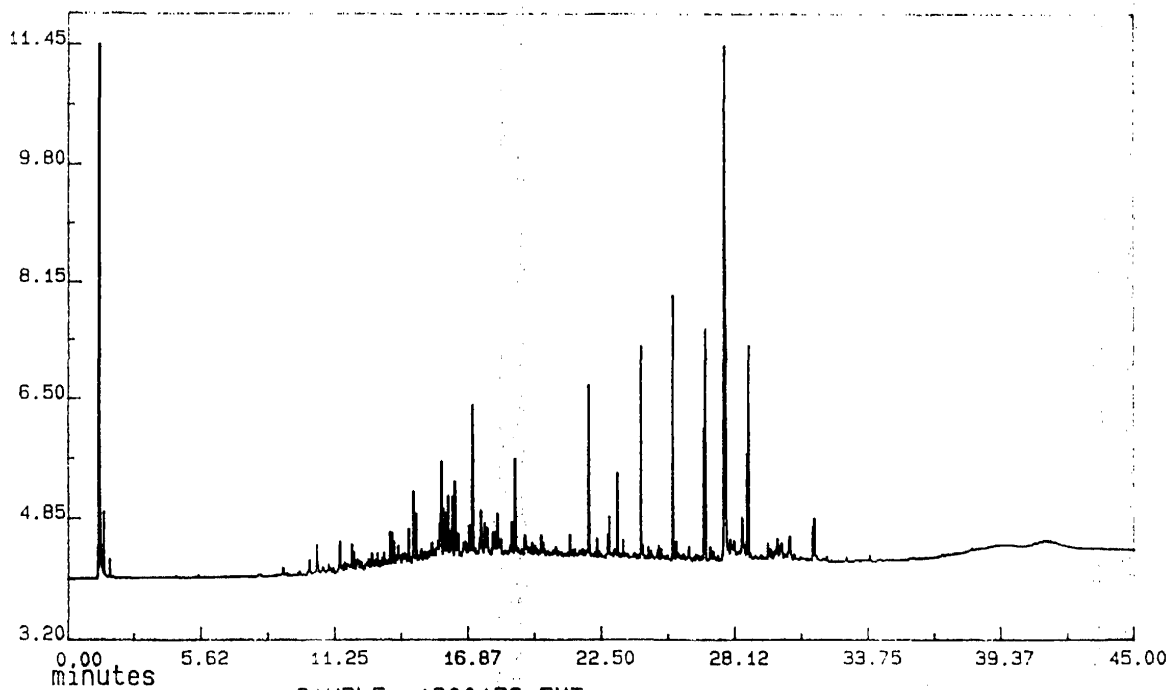


SAMPLE: 1D00152-EXT  
ANALYZED: Thu Jan 18, 1990 9:08:50 am  
RESULT: /DATA/LOOP/RESULT/Z39066.RES METHOD: M9FINGERPRINT



AMPLITUDE/1000  
Force Normalized  
( 3.64, 11.45)

1D00153 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15160 15170 FT•

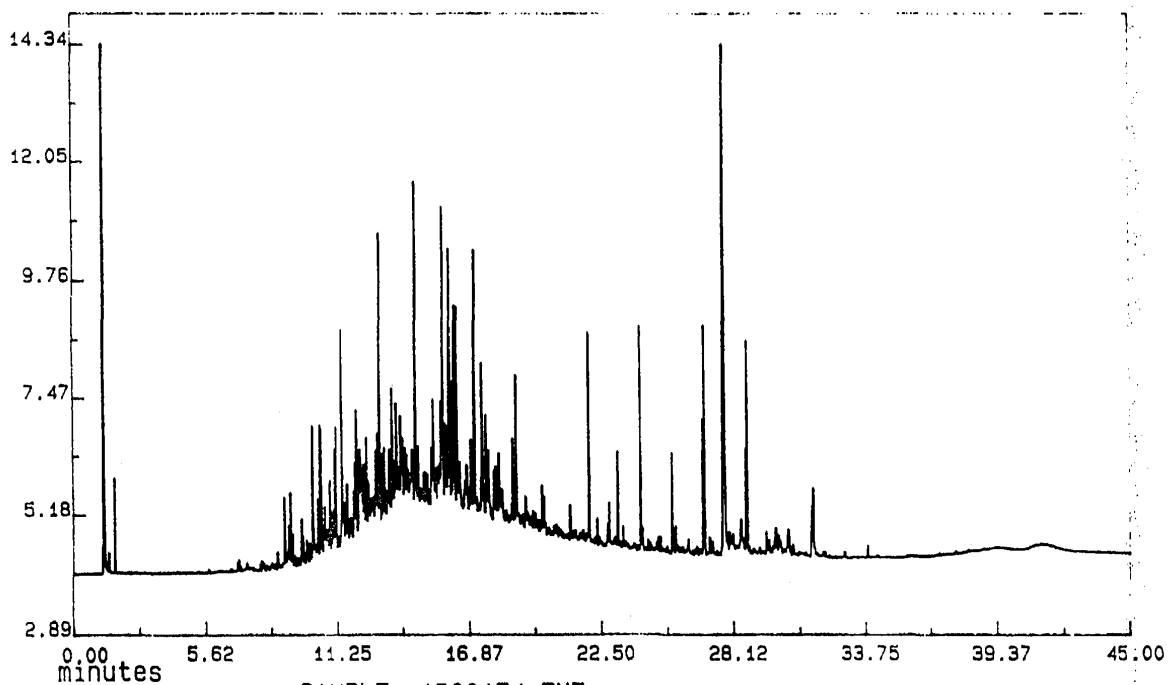


SAMPLE: 1D00153-EXT  
ANALYZED: Wed Jan 17, 1990 9:08:03 am  
RESULT: /DATA/LOOP/RESULT/Z39067.RES METHOD: M9FINGERPRINT

7A-C

AMPLITUDE/1000  
Force Normalized  
( 3.50, 14.34)

1D00154 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15190 15200 FT•

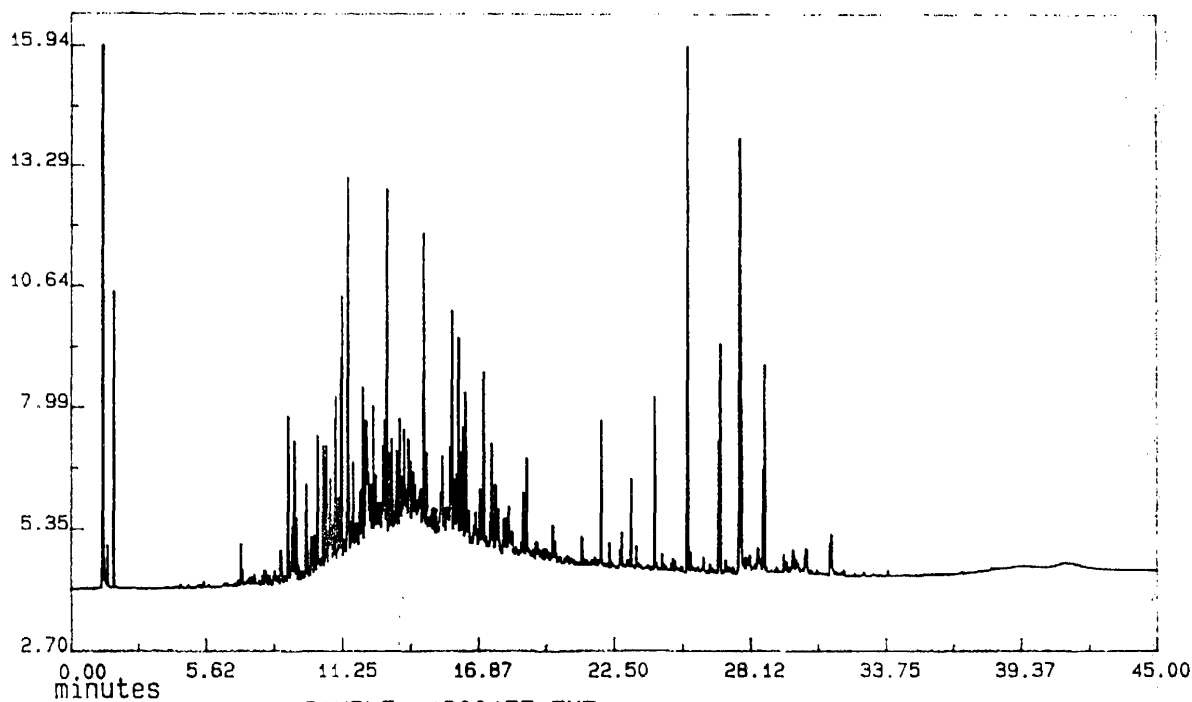


SAMPLE: 1D00154-EXT  
ANALYZED: Wed Jan 17, 1990 8:01:02 am  
RESULT: /DATA/LOOP/RESULT/Z39068.RES METHOD: M9FINGERPRINT

T.A.

AMPLITUDE/1000  
Force Normalized  
( 3.40, 15.94)

1D00155 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15220 15230 FT.



SAMPLE: 1D00155-EXT

ANALYZED: Wed Jan 17, 1990 10:15:29 am

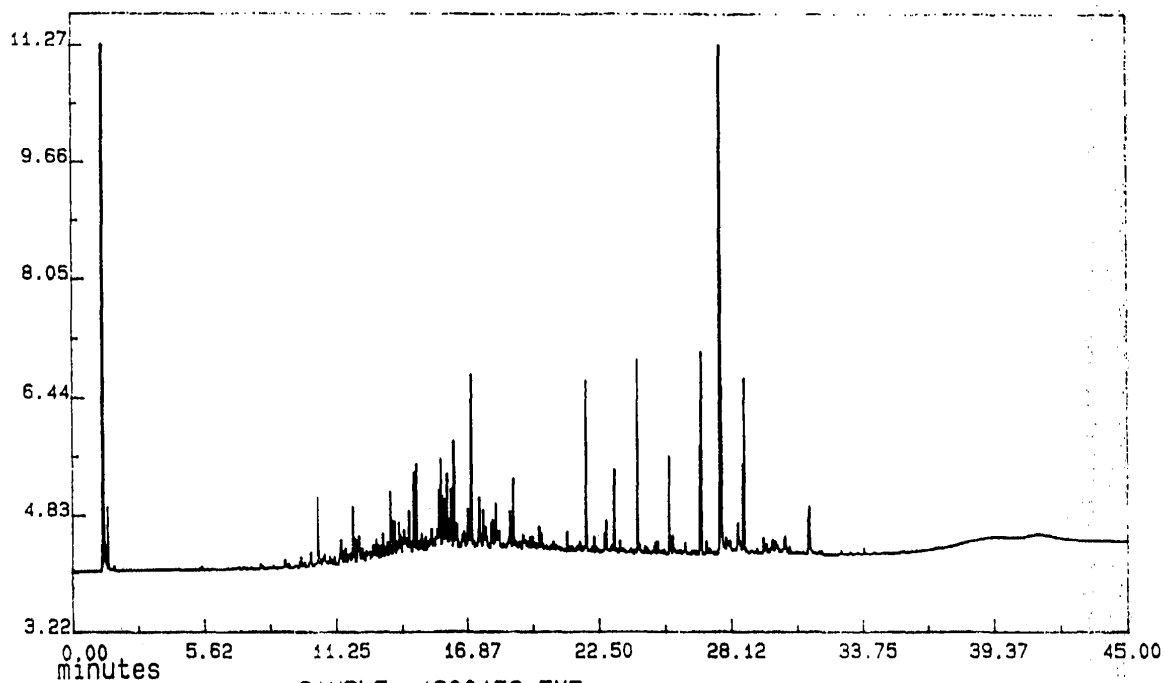
RESULT: /DATA/LOOP/RESULT/Z39069.RES

METHOD: M9FINGERPRINT

TAC

AMPLITUDE/1000  
Force Normalized  
( 3.65, 11.27)

1D00156 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15240 15250 FT.



SAMPLE: 1D00156-EXT

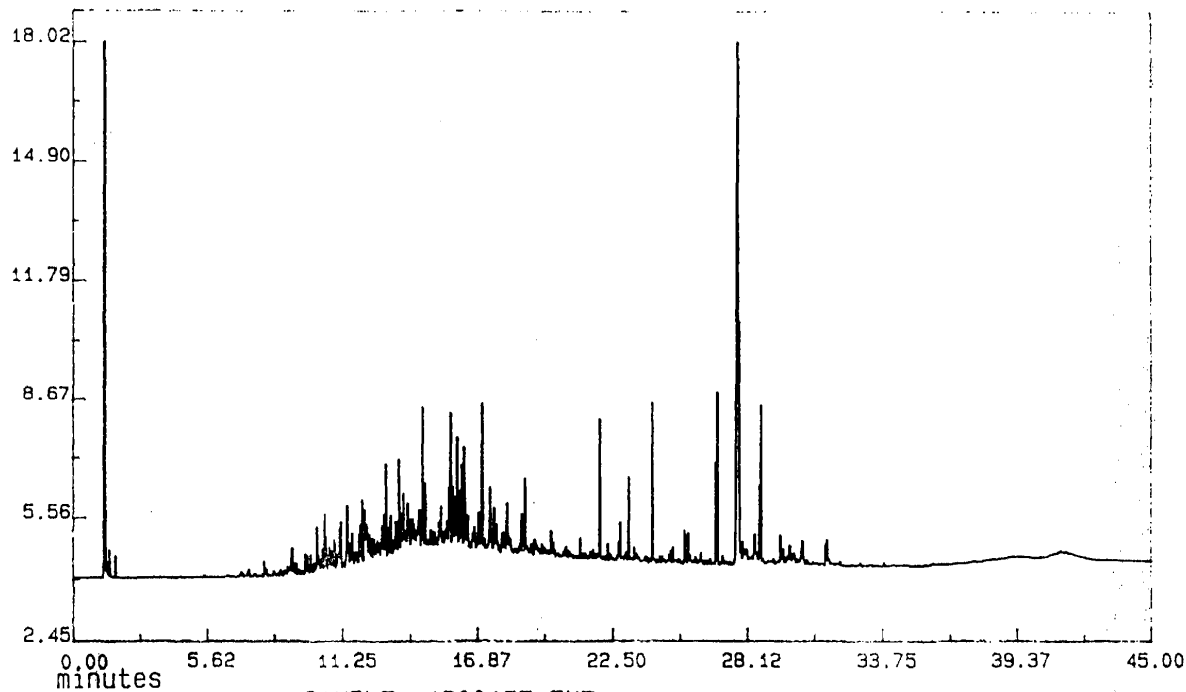
ANALYZED: Wed Jan 17, 1990 12: 35: 36 pm

RESULT: /DATA/LOOP/RESULT/Z39070.RES METHOD: M9FINGERPRINT

TAC.

AMPLITUDE/1000  
Force Normalized  
( 3.27, 18.02)

1D00157 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15260 15270 FT•

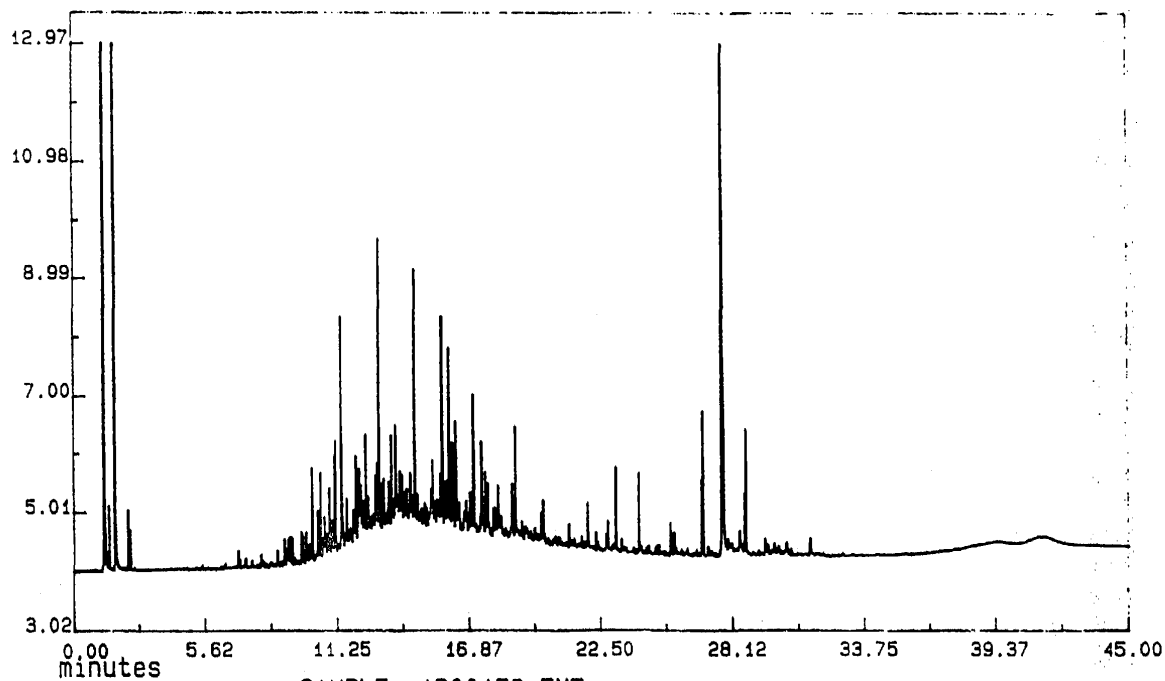


SAMPLE: 1D00157-EXT  
ANALYZED: Wed Jan 17, 1990 11: 15: 22 am  
RESULT: /DATA/LOOP/RESULT/Z39071.RES METHOD: M9FINGERPRINT

TAY

AMPLITUDE/1000  
Force Normalized  
( 3.55, 12.97)

1000158 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15280 15290 FT.



SAMPLE: 1000158-EXT

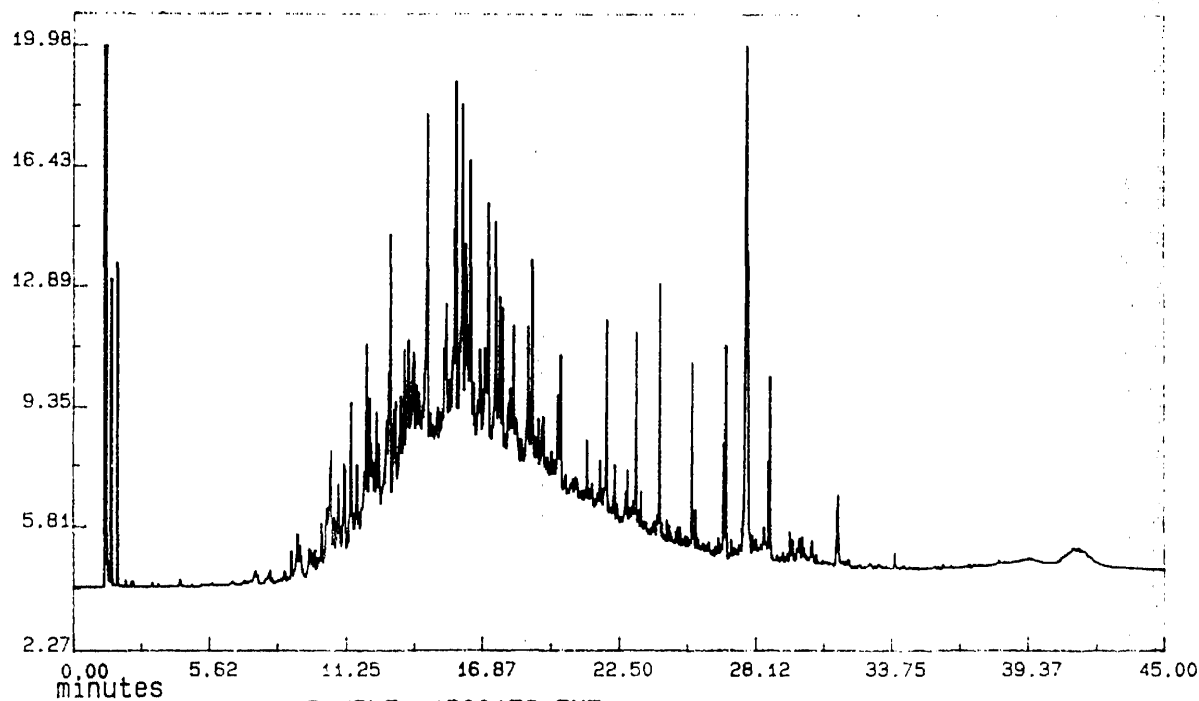
ANALYZED: Wed Jan 17, 1990 1:46:12 pm

RESULT: /DATA/LOOP/RESULT/Z39072.RES METHOD: M9FINGERPRINT

TN

AMPLITUDE/1000  
Force Normalized  
( 3.21, 19.98)

1D00159 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15300 15310 FT•



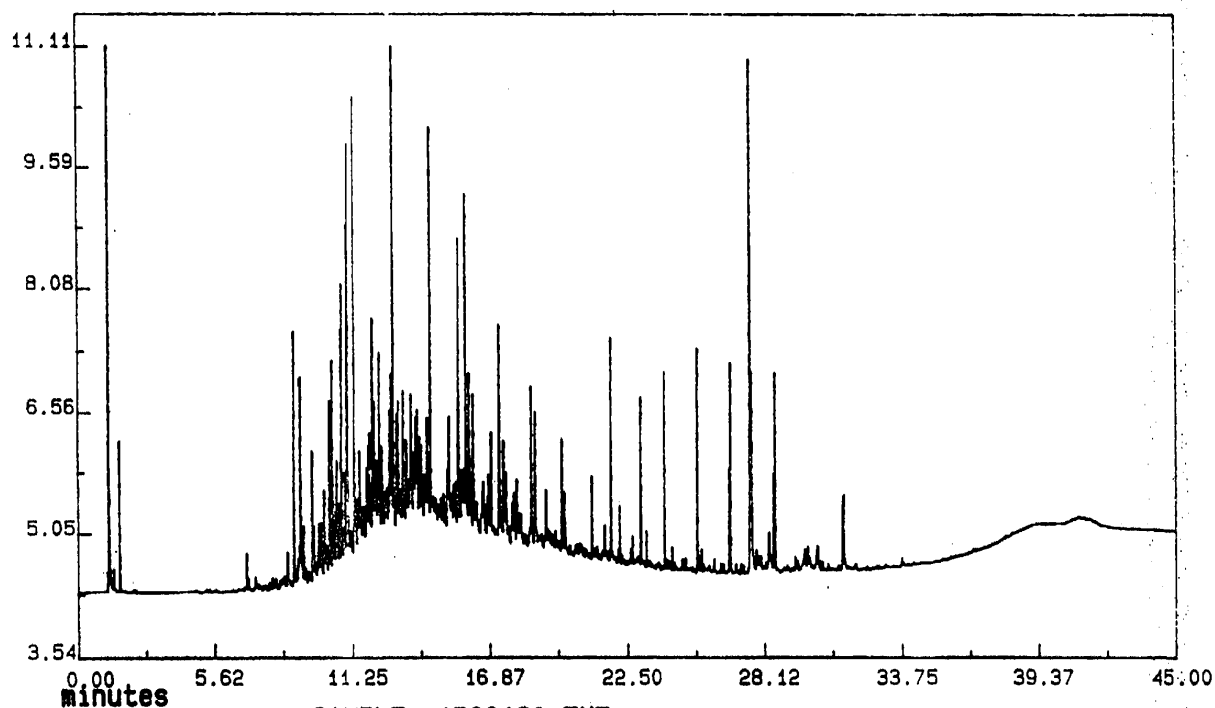
SAMPLE: 1D00159-EXT

ANALYZED: Wed Jan 17, 1990 4:28:36 pm

RESULT: /DATA/LOOP/RESULT/Z39073.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.94, 11.11)

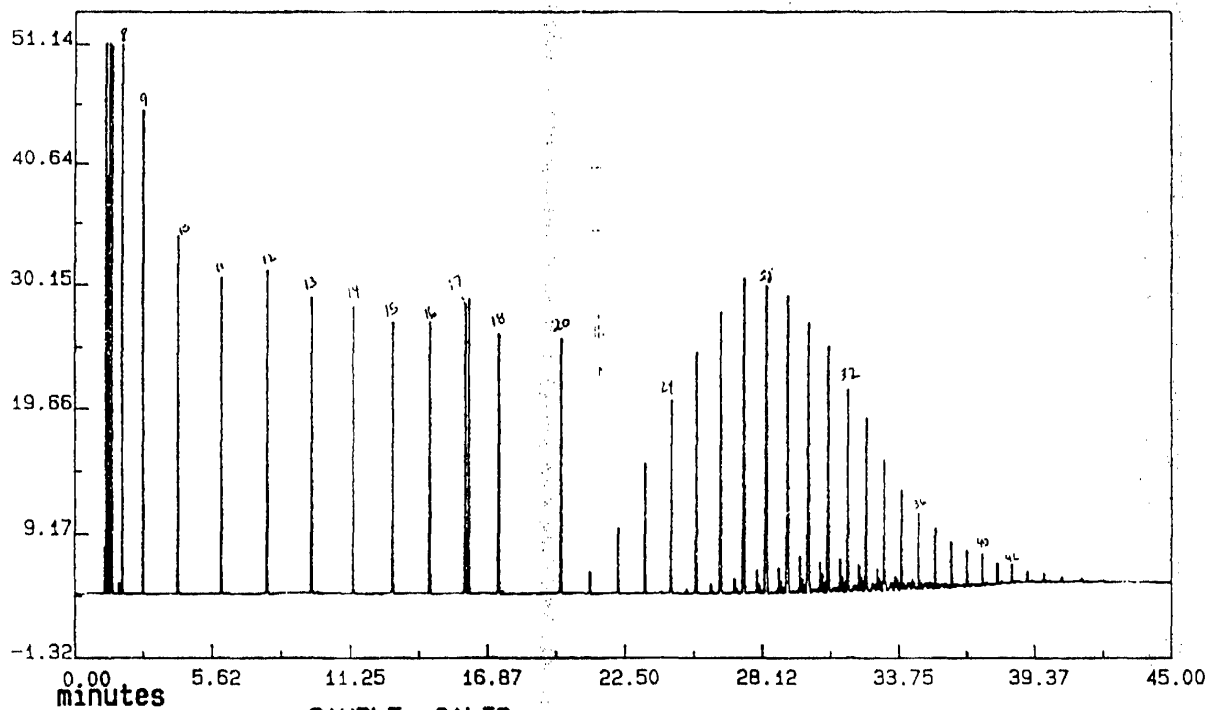
1D00160 -EXT  
NORTH-SLOPE  
NORA FEDERAL 1  
15320 15330 FT.



SAMPLE: 1D00160-EXT  
ANALYZED: Fri Jan 26, 1990 5:45:57 am  
RESULT: /DATA/LOOP/RESULT/Z39074.RES METHOD: M9FINGERPRINT



AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



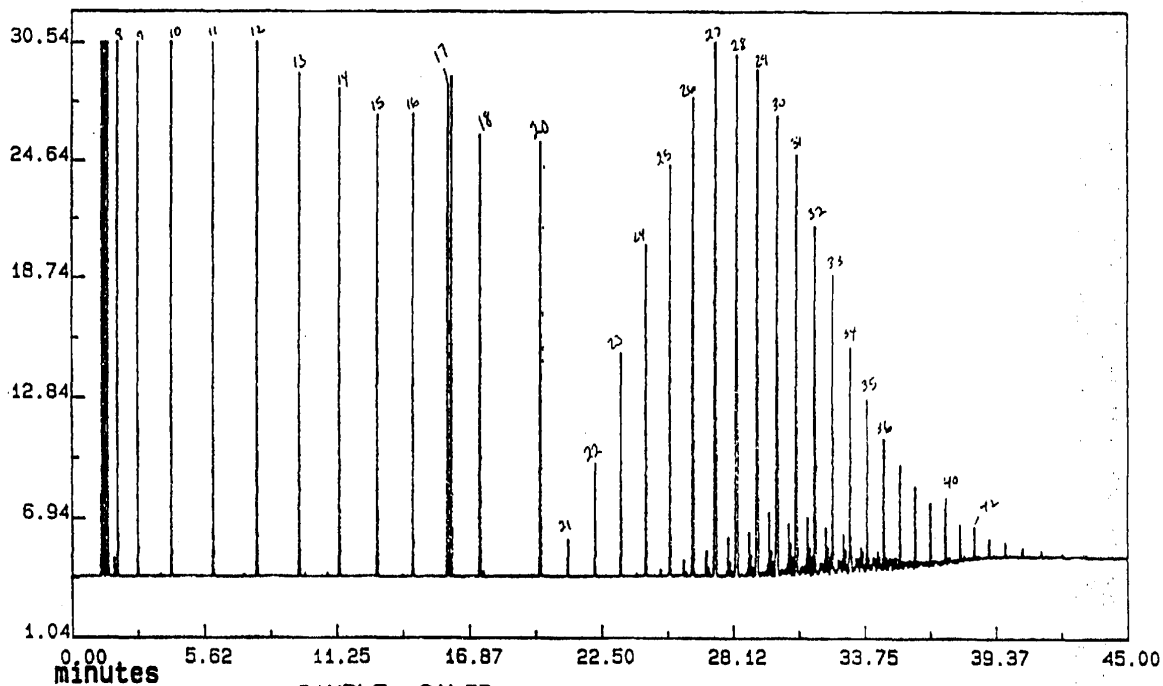
SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

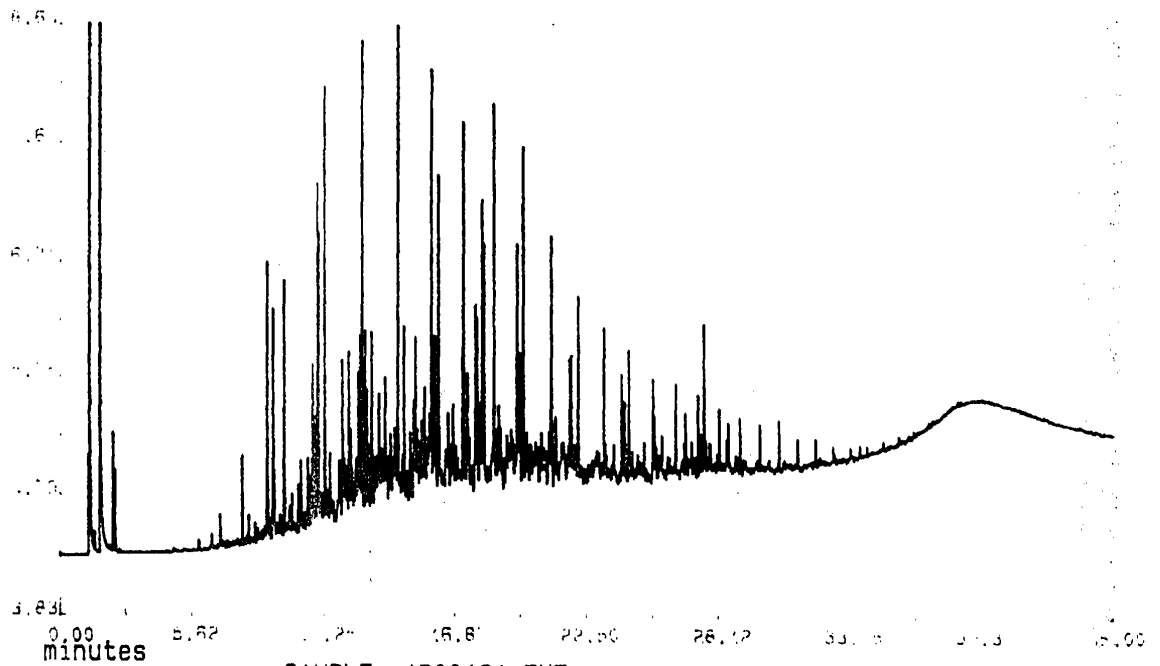
AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB  
ANALYZED: Thu Jan 25, 1990 5:53:37 am  
RESULT: /DATA/LOOP/RESULT/R9STD018.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 4.09, 8.64)

1D00161 -EXT  
NORTH-SLOPE  
OCS-Y-0180 1  
15156 15158 FT.

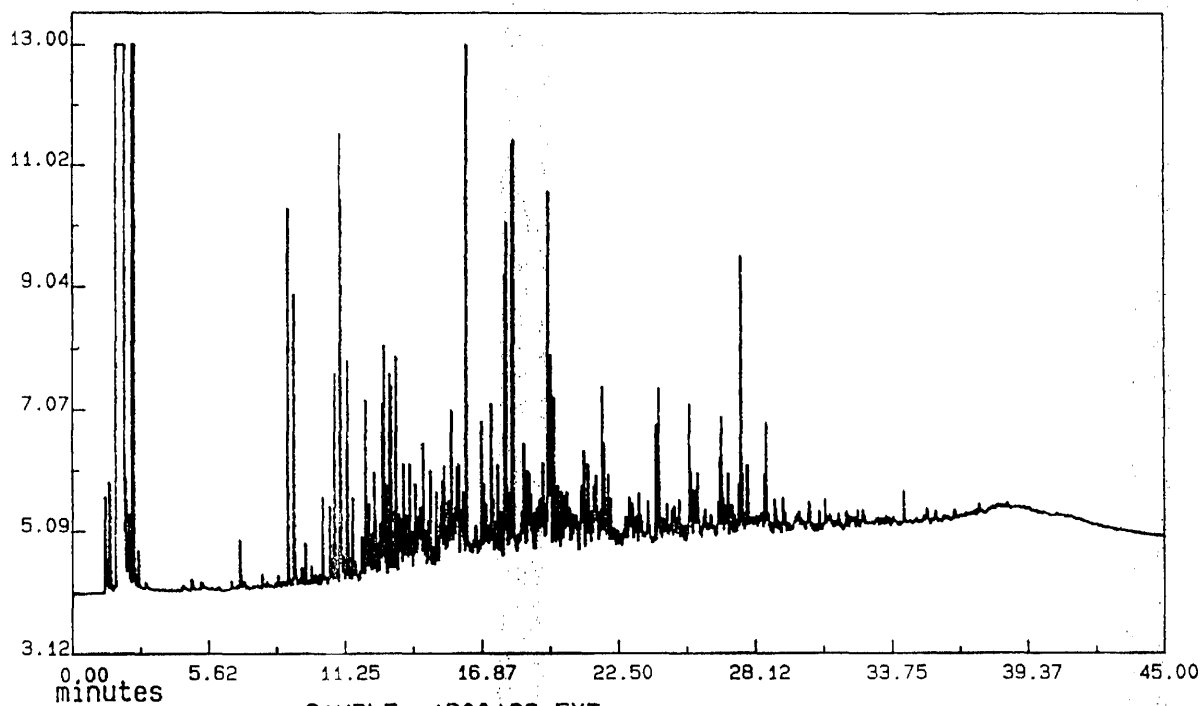


SAMPLE: 1D00161-EXT  
ANALYZED: Fri Jan 26, 1990 8:45:26 am  
RESULT: /DATA/LOOP/RESULT/Z39075.RES METHOD: M9FINGERPRINT

90010601 JAC

AMPLITUDE/1000  
Force Normalized  
( 3.64, 13.00)

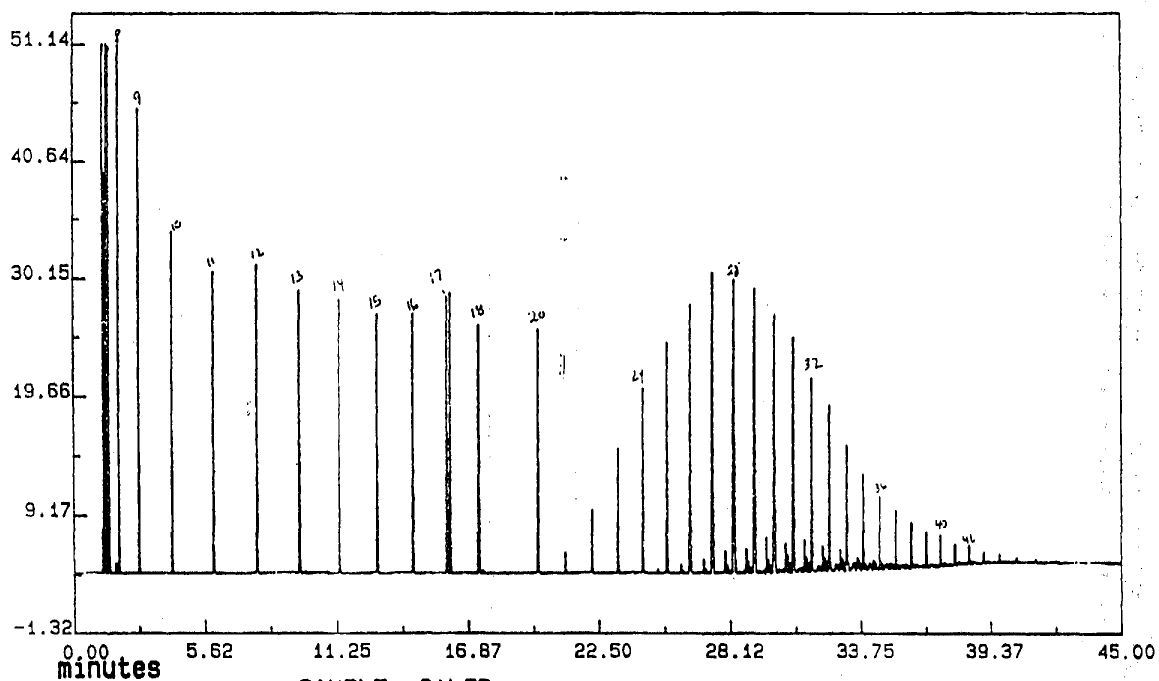
1000162 -EXT  
NORTH-SLOPE  
OCS-Y-0180 1  
15159 15160 FT•



SAMPLE: 1000162-EXT  
ANALYZED: Tue Jan 30, 1990 1:19:09 pm  
RESULT: /DATA/LOOP/RESULT/Z39076.RES METHOD: M9GEO

JAC 900226-02

AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



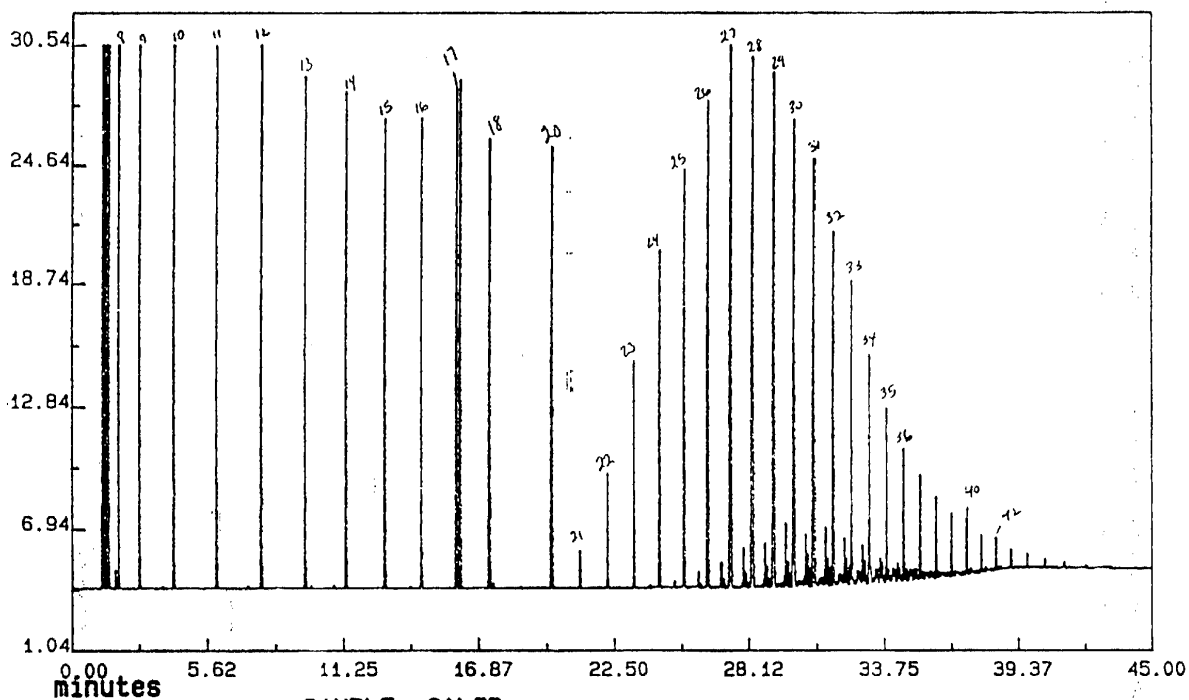
SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)

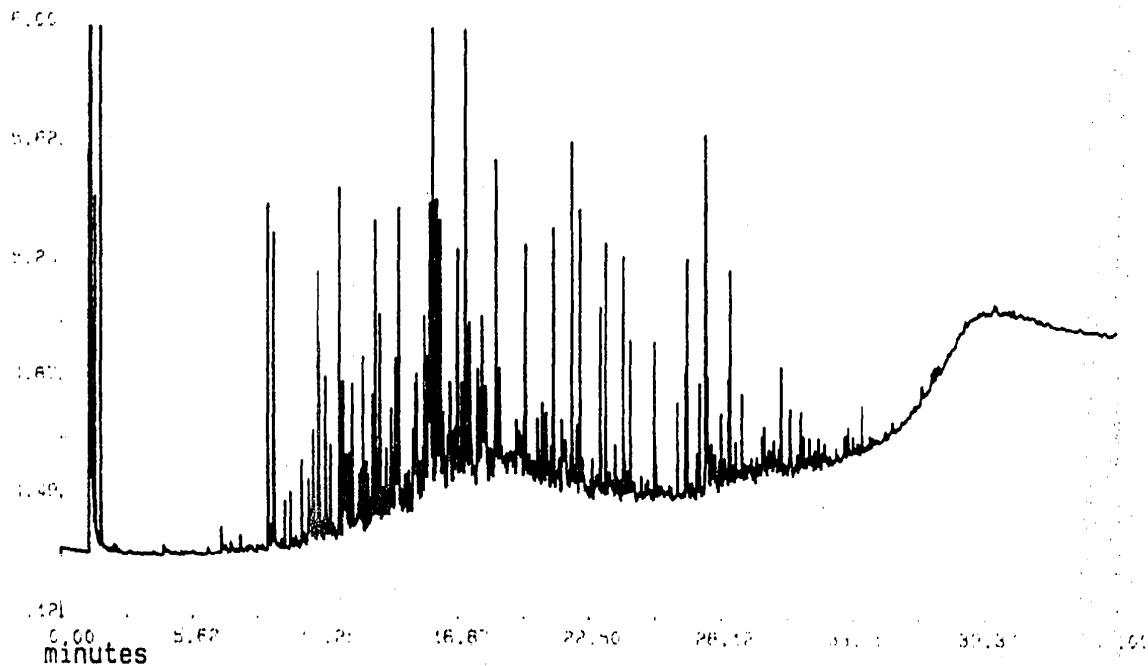


SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5: 53: 37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 4.22, 6.00)



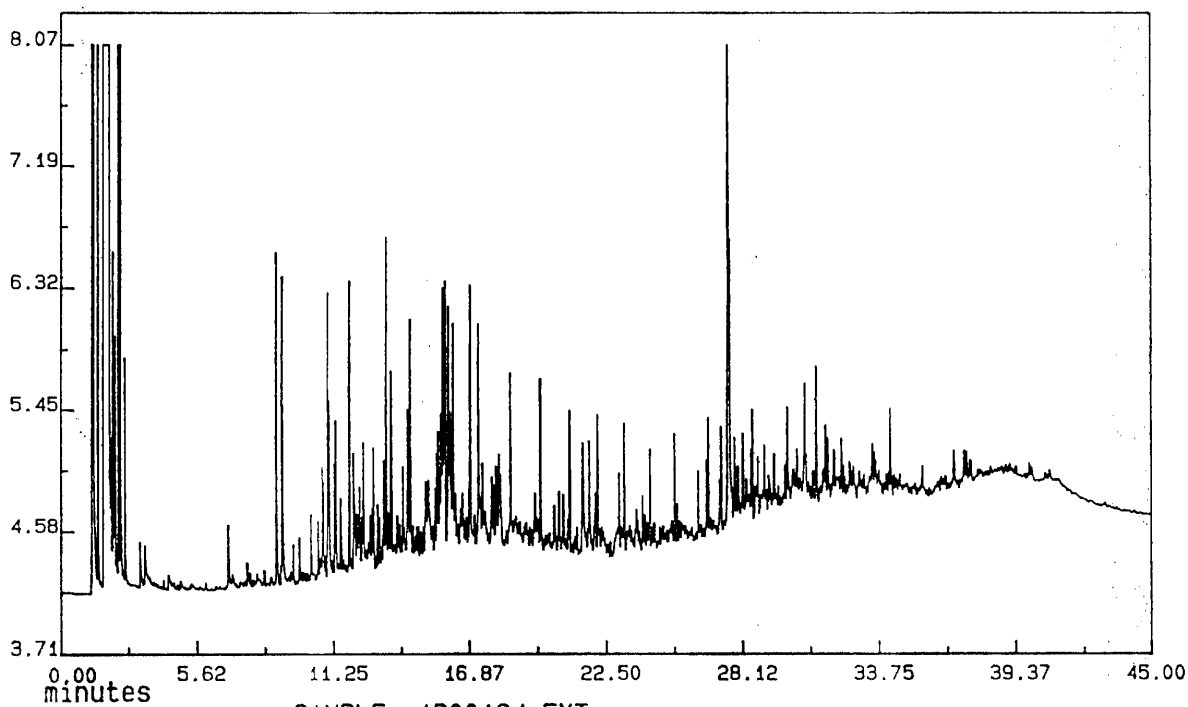
1000163 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7601 FT.

SAMPLE: 1000163-EXT  
ANALYZED: Fri Jan 26, 1990 10:53:16 am  
RESULT: /DATA/LOOP/RESULT/Z39077.RES METHOD: M9FINGERPRINT

JAL 900202601

AMPLITUDE/1000  
Force Normalized  
( 3.94, 8.07)

1D00164 -EXT  
NORTH-SLOPE ..  
OCS-Y-0338 1PHOENX  
7604 FT.

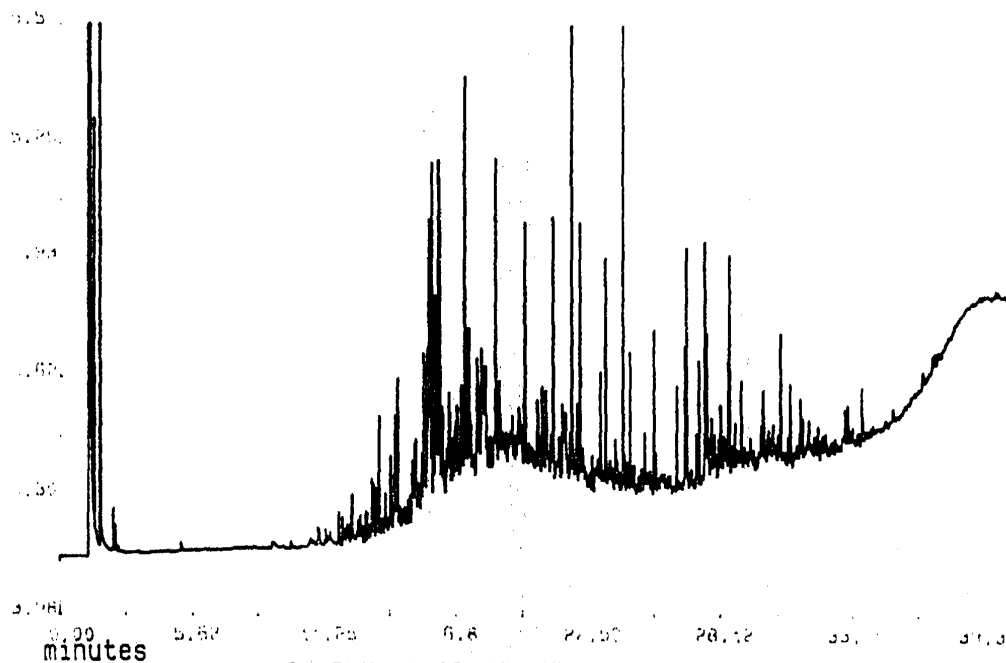


SAMPLE: 1D00164-EXT  
ANALYZED: Thu Feb 1, 1990 7:52:11 am  
RESULT: /DATA/LOOP/RESULT/Z39078.RES METHOD: M9FINGERPRINT

TO: 00000000



AMPLITUDE/1000  
Force Normalized  
( 4.07, 5.57)

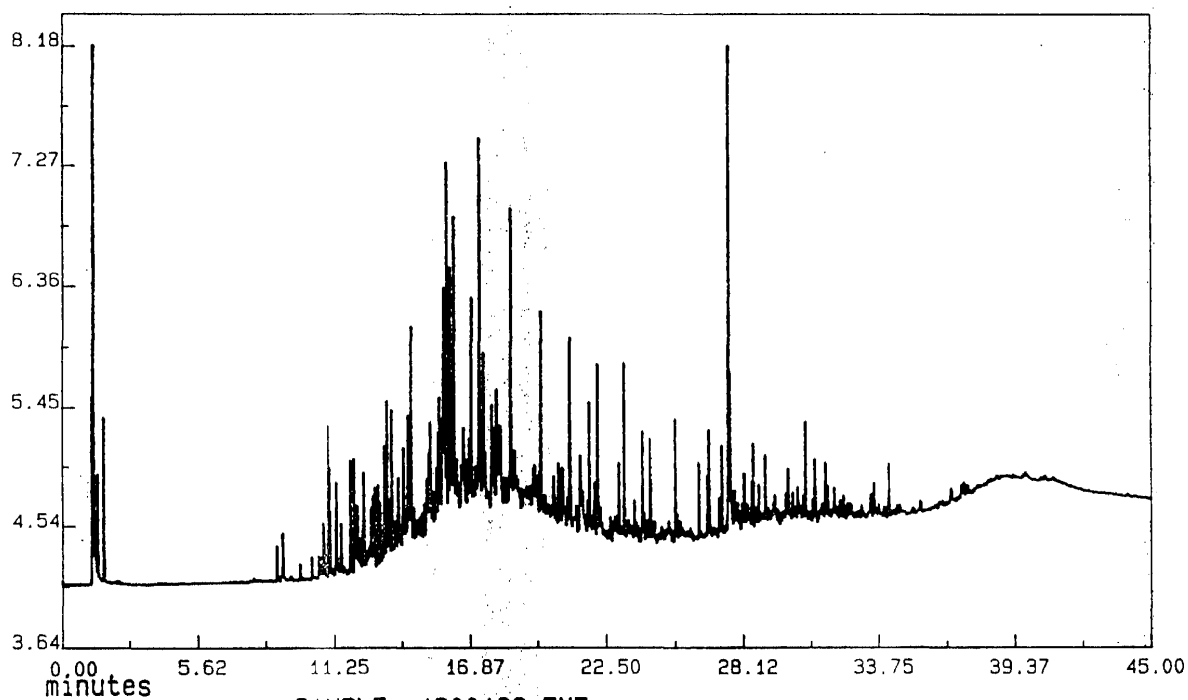


1D00165 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7607 FT.

SAMPLE: 1D00165-EXT  
ANALYZED: Mon Jan 29, 1990 10:18:37 am  
RESULT: /DATA/LOOP/RESULT/Z39079.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.88, 8.18)

1D00166 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7613 FT•

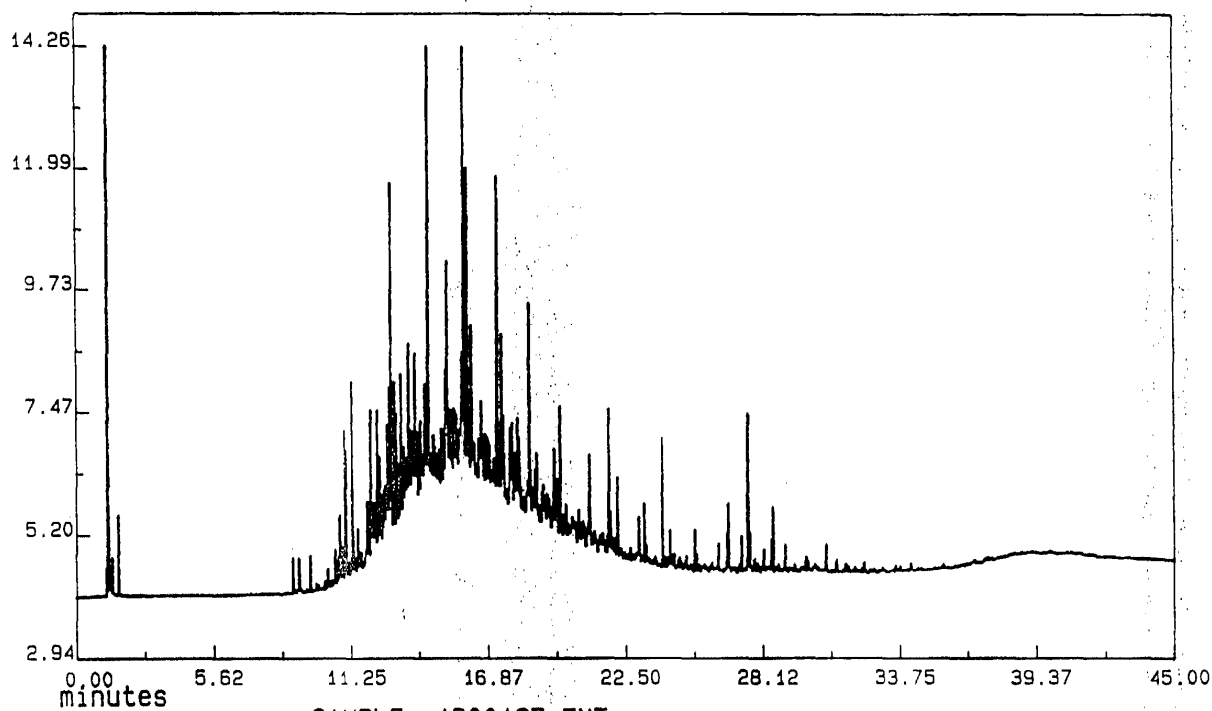


SAMPLE: 1D00166-EXT  
ANALYZED: Mon Jan 29, 1990 1:27:58 pm  
RESULT: /DATA/LOOP/RESULT/Z39080.RES METHOD: M9FINGERPRINT

TA 000 12501

AMPLITUDE/1000  
Force Normalized  
( 3.54, 14.26)

1000167 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
~~7638~~ 7730 FT.

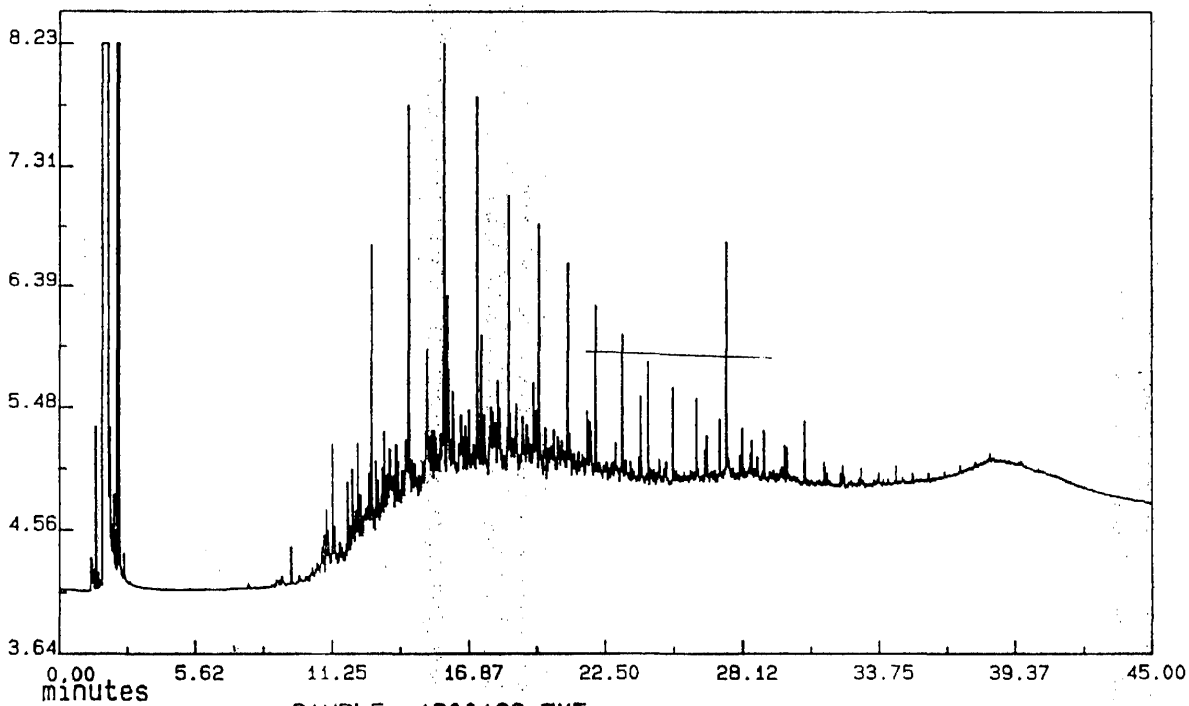


SAMPLE: 1000167-EXT  
ANALYZED: Tue Jan 30, 1990 9:46:32 am  
RESULT: /DATA/LOOP/RESULT/Z39081.RES METHOD: M9FINGERPRINT

JAC 90022200L

AMPLITUDE/1000  
Force Normalized  
( 3.89, 8.23)

1D00168 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7805 FT.

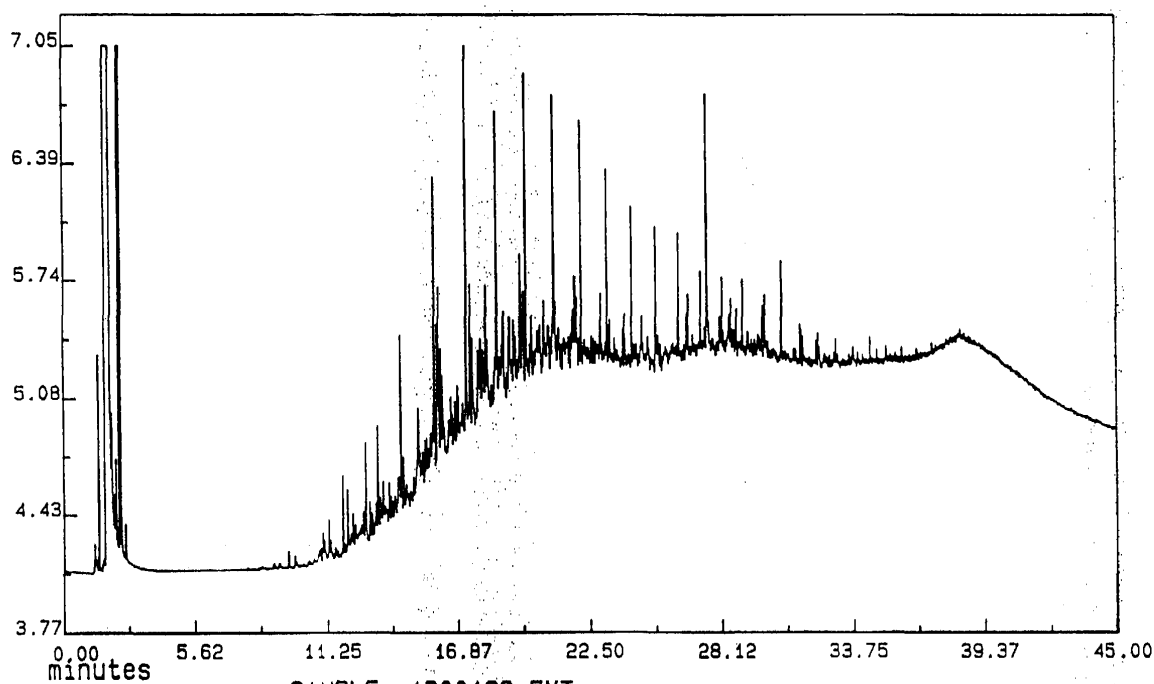


SAMPLE: 1D00168-EXT  
ANALYZED: Thu Feb 1, 1990 6:46:38 pm  
RESULT: /DATA/LOOP/RESULT/Z39082.RES METHOD: M9GEO

701 0.000000

AMPLITUDE/1000  
Force Normalized  
( 3.95, 7.05)

1D00169 -EXT  
NORTH-SLOPE  
DCS-Y-0338 1PHOENX  
7808 7814 FT.

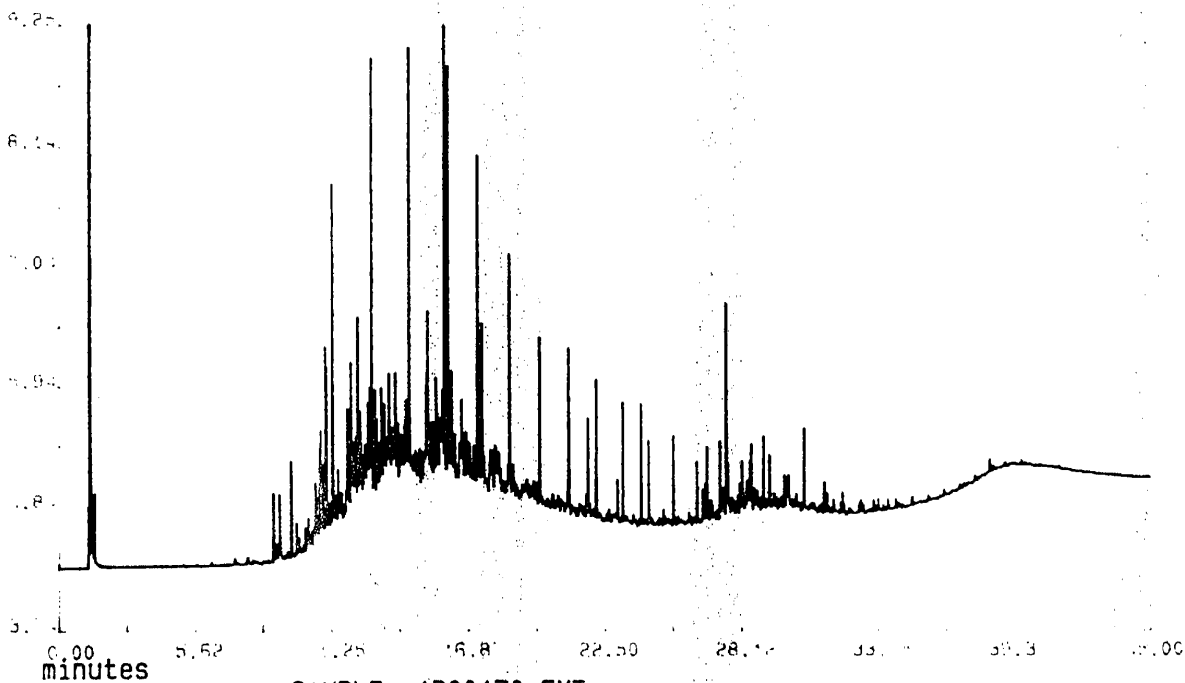


SAMPLE: 1D00169-EXT  
ANALYZED: Wed Jan 31, 1990 2:31:00 pm  
RESULT: /DATA/LOOP/RESULT/Z39083.RES METHOD: M9GEO

TAC 900232601

AMPLITUDE/1000  
Force Normalized  
( 4.03, 9.25)

1000170 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7816 FT.

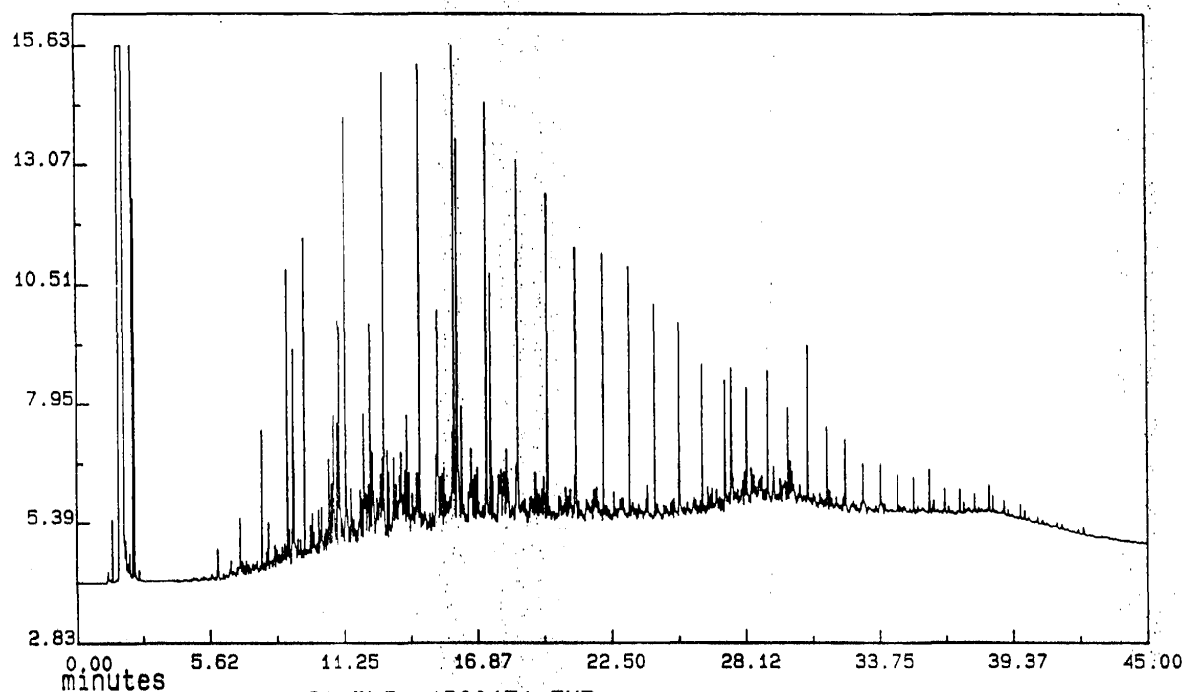


SAMPLE: 1000170-EXT  
ANALYZED: Fri Jan 26, 1990 7:03:24 am  
RESULT: /DATA/LOOP/RESULT/Z39084.RES METHOD: M9FINGERPRINT

JAL 90020601

1D00171 -EXT  
 NORTH-SLOPE  
 OCS-Y-0338 1PHOENX  
 7907 FT•

AMPLITUDE/1000  
 Force Normalized  
 ( 3.51, 15.63)



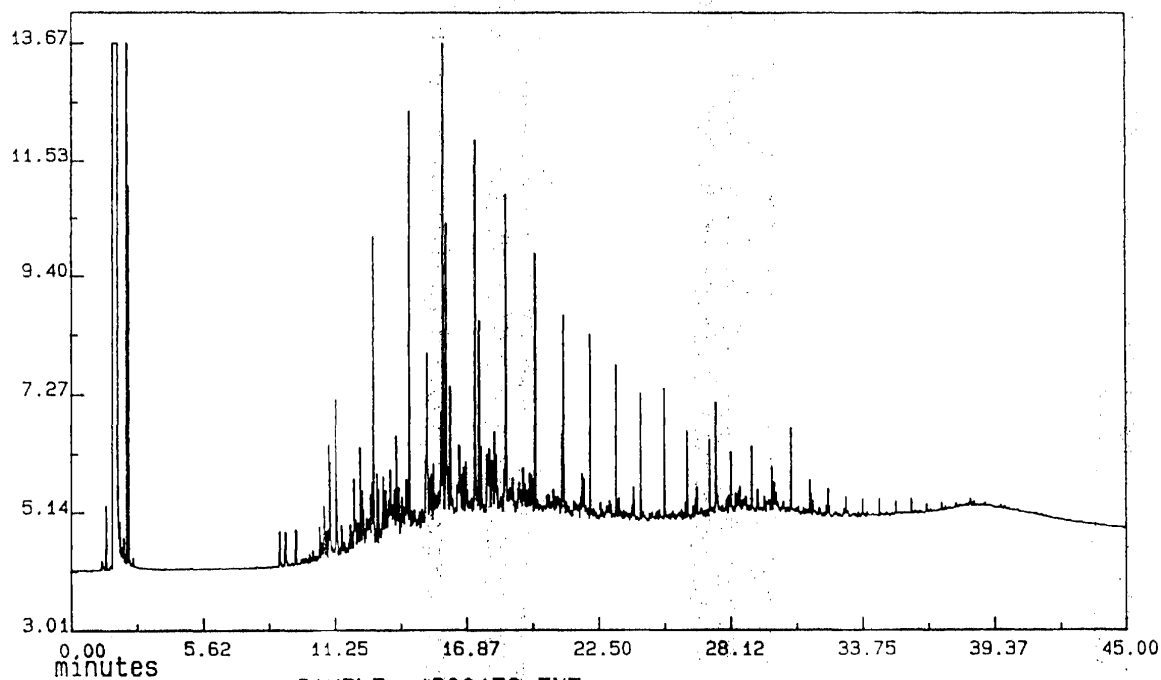
SAMPLE: 1D00171-EXT

ANALYZED: Wed Jan 31, 1990 1:26:40 pm

RESULT: /DATA/LOOP/RESULT/Z39085.RES METHOD: M9GEO

AMPLITUDE/1000  
Force Normalized  
( 3.58, 13.67)

1000172 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7910 7916 FT•



SAMPLE: 1000172-EXT

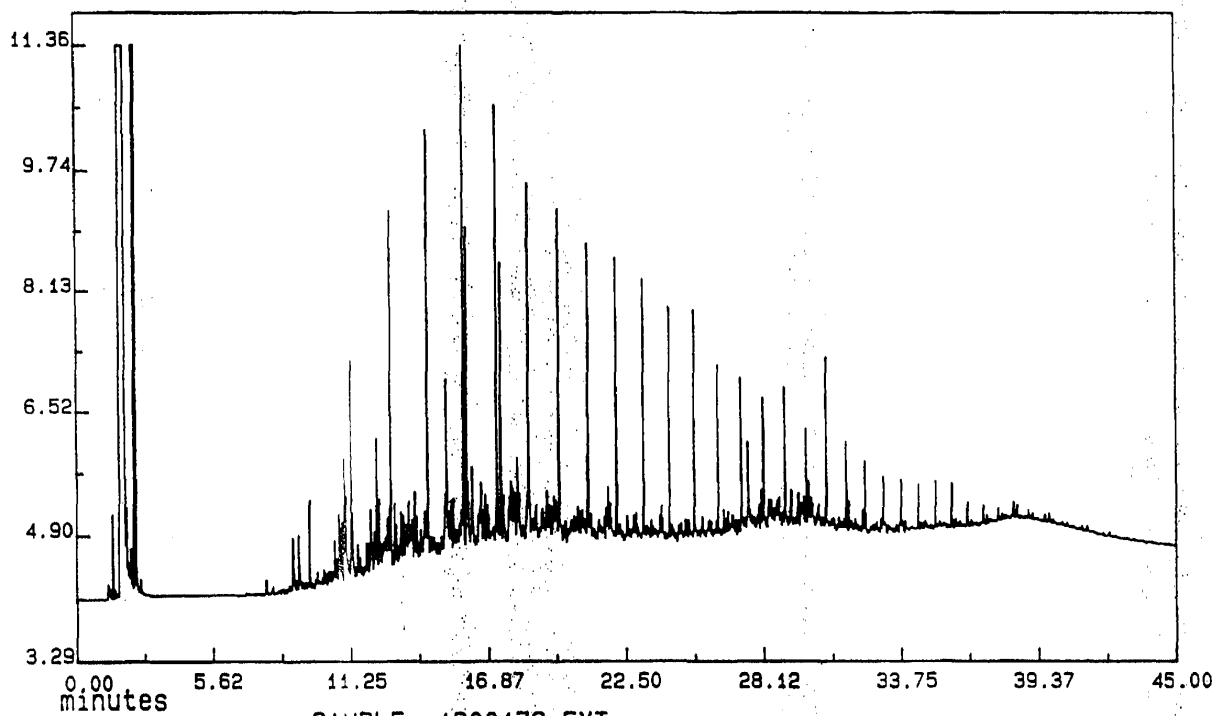
ANALYZED: Wed Jan 31, 1990 3:34:48 pm

RESULT: /DATA/LOOP/RESULT/Z39086.RES METHOD: M9GEO



AMPLITUDE/1000  
Force Normalized  
( 3.72, 11.36)

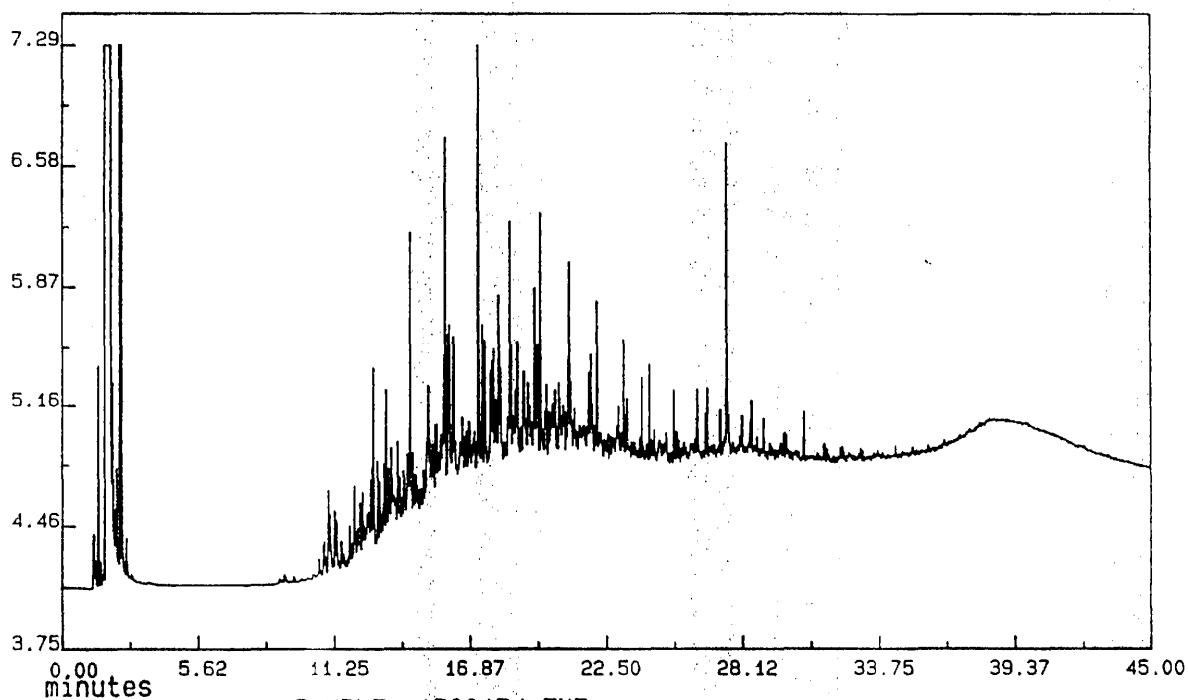
1D00173 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7920 FT.



SAMPLE: 1D00173-EXT  
ANALYZED: Thu Feb 1, 1990 5:42:19 pm  
RESULT: /DATA/LOOP/RESULT/Z39087.RES METHOD: M9GEO

AMPLITUDE/1000  
Force Normalized  
( 3.94, 7.29)

1D00174 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7943 ET•

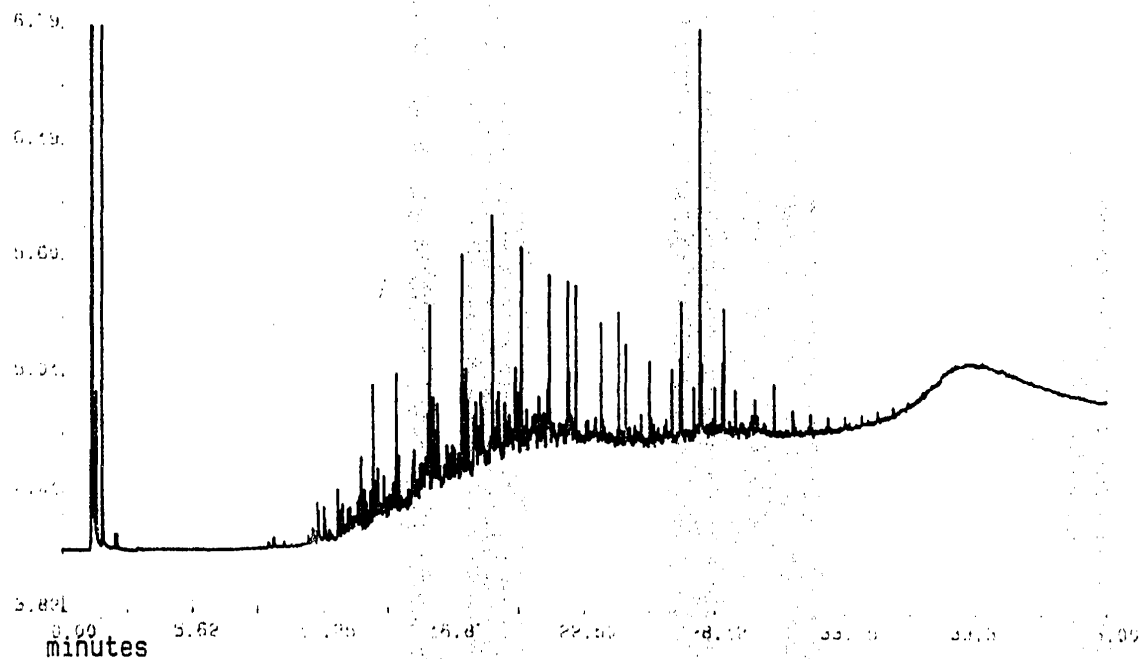


SAMPLE: 1D00174-EXT  
ANALYZED: Thu Feb 1, 1990 1: 11: 47 pm  
RESULT: /DATA/LOOP/RESULT/Z39088.RES METHOD: M96E0

JAL

AMPLITUDE/1000  
Force Normalized  
( 3.98, 6.79)

1000175 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7950 FT.

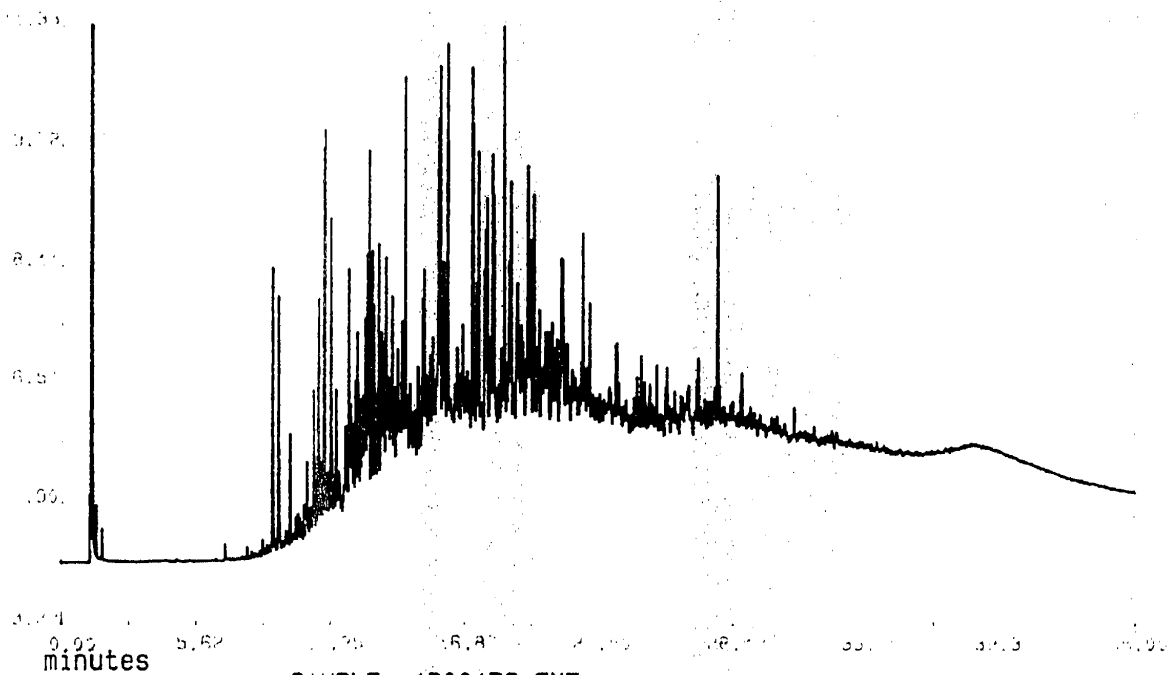


SAMPLE: 1D00175-EXT  
ANALYZED: Mon Jan 29, 1990 9:10:00 am  
RESULT: /DATA/LOOP/RESULT/Z39089.RES METHOD: M9FINGERPRINT

T11 00102126

AMPLITUDE/1000  
Force Normalized  
( 3.72, 11.33)

1000176 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7952 FT•

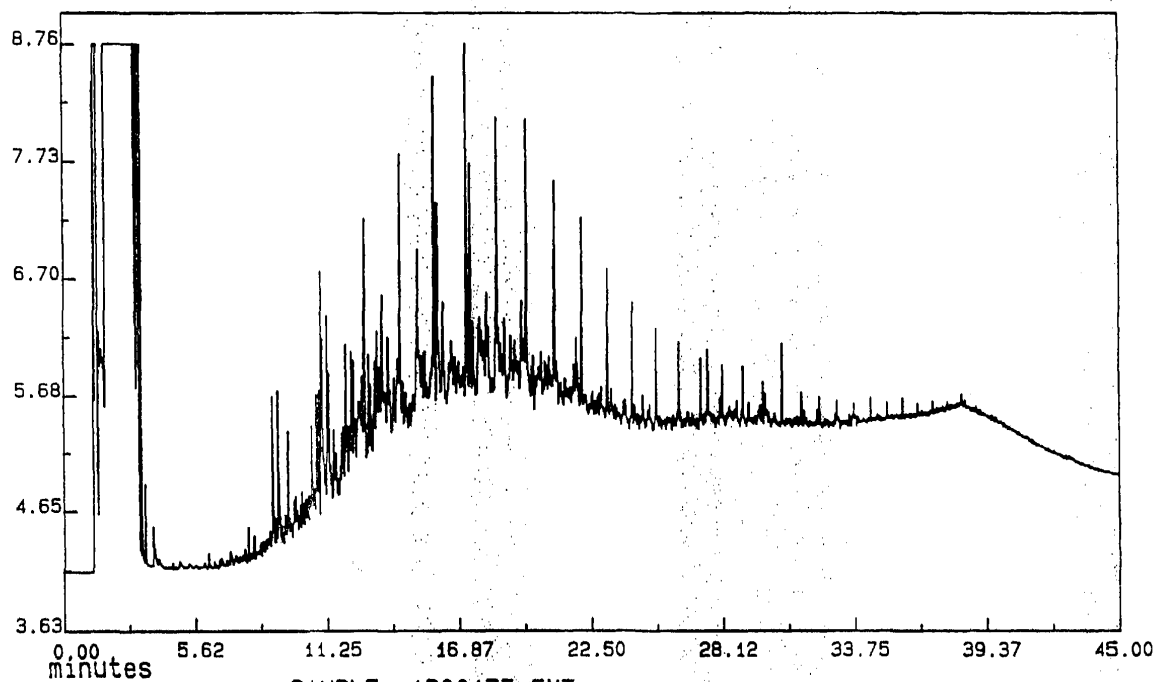


SAMPLE: 1000176-EXT  
ANALYZED: Mon Jan 29, 1990 11:17:04 am  
RESULT: /DATA/LOOP/RESULT/Z39090.RES METHOD: M9FINGERPRINT

TAC 900212000

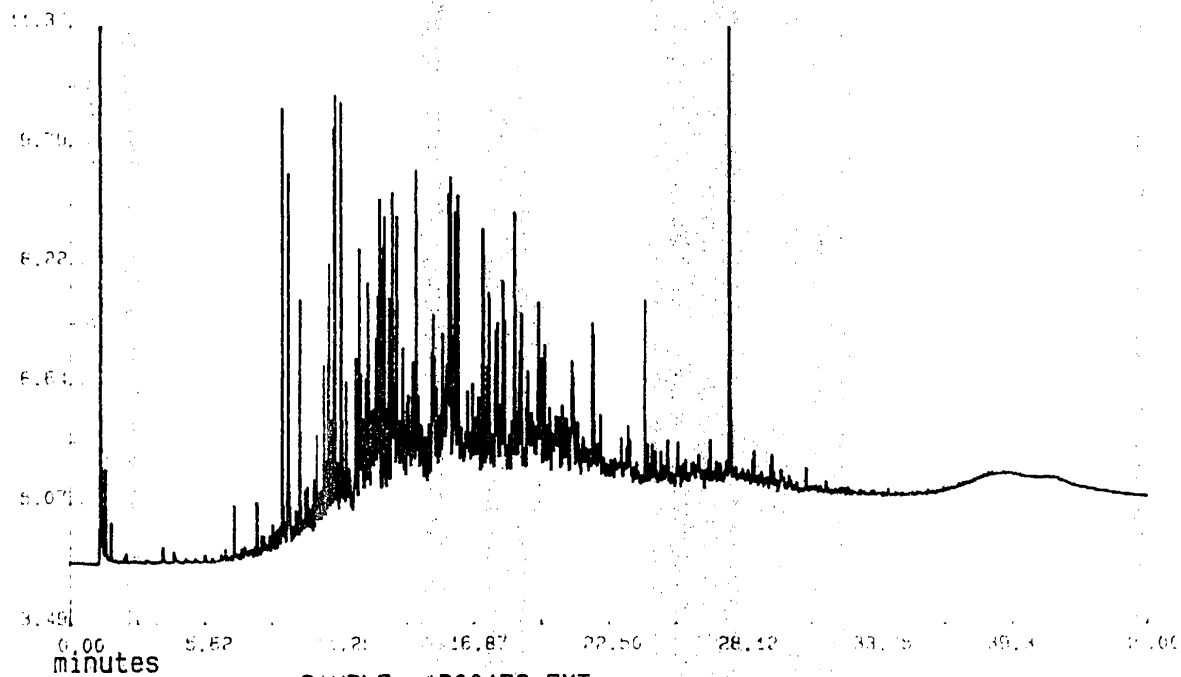
AMPLITUDE/1000  
Force Normalized  
( 3.90, 8.76)

1D00177 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7964 FT•



SAMPLE: 1D00177-EXT  
ANALYZED: Fri Feb 2, 1990 5:43:22 am  
RESULT: /DATA/LOOP/RESULT/Z39091.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.91, 11.37)



1D00178 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7973 FT.

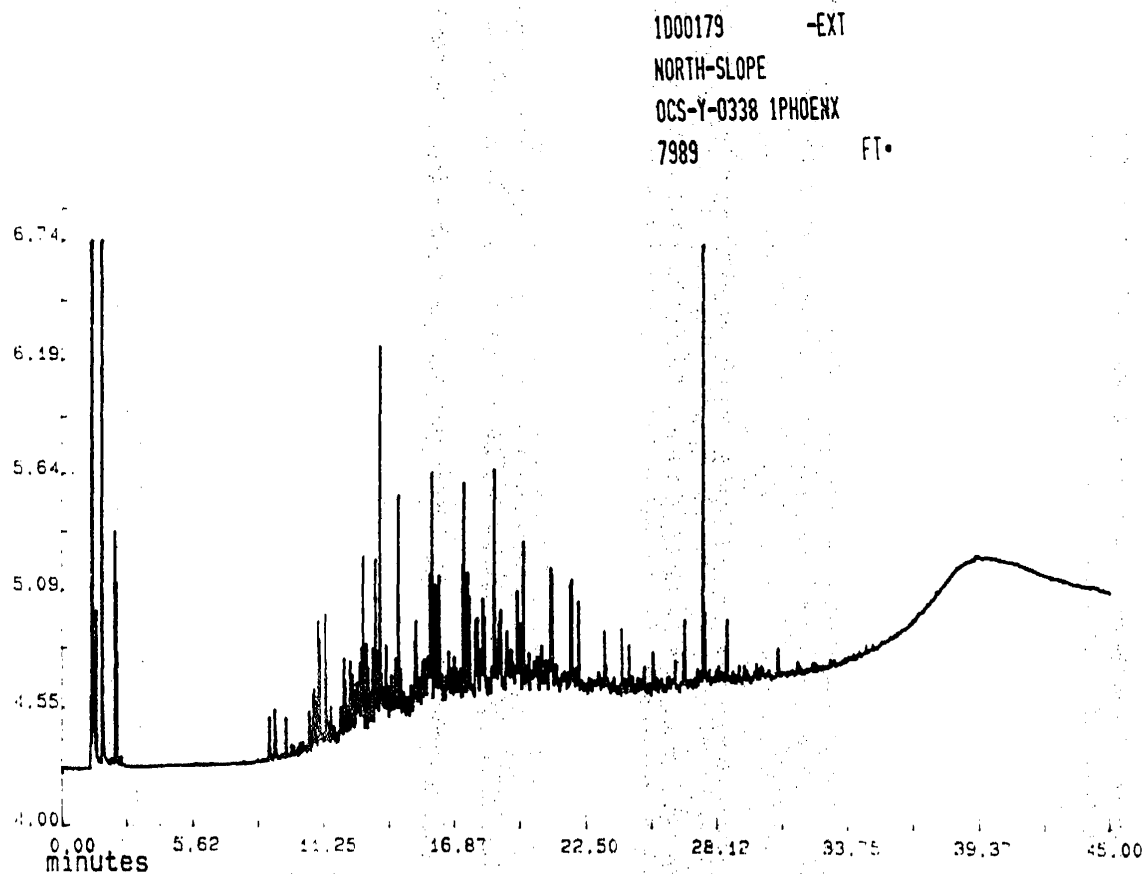
SAMPLE: 1D00178-EXT

ANALYZED: Fri Jan 26, 1990 11:56:51 am

RESULT: /DATA/LOOP/RESULT/Z39092.RES METHOD: M9FINGERPRINT

JAN 26 1990 11:56:51

AMPLITUDE/1000  
Force Normalized  
( 4.15, 6.74)



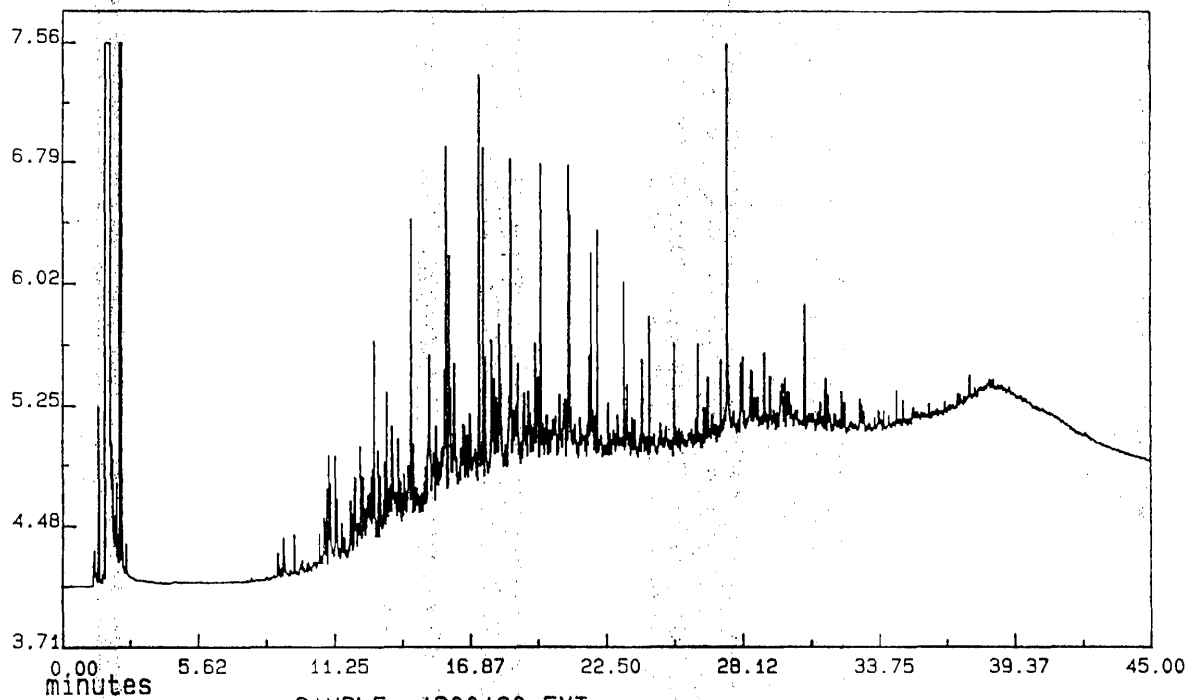
1000179 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7989 FT.

SAMPLE: 1000179-EXT  
ANALYZED: Fri Jan 26, 1990 1:08:47 pm  
RESULT: /DATA/LOOP/RESULT/Z39093.RES METHOD: M9FINGERPRINT

JAL 90202001

AMPLITUDE/1000  
Force Normalized  
( 3.92, 7.56)

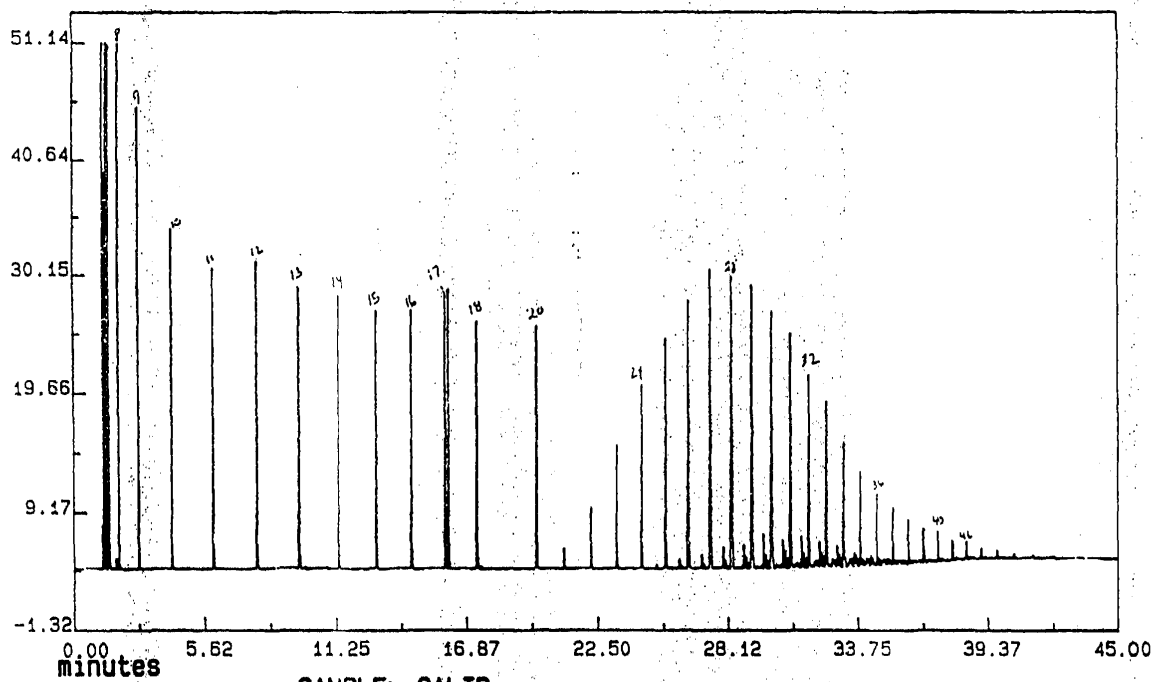
1D00180 -EXT  
NORTH-SLOPE  
OCS-Y-0338 1PHOENX  
7998 FT.



SAMPLE: 1D00180-EXT  
ANALYZED: Wed Jan 31, 1990 4:39:24 pm  
RESULT: /DATA/LOOP/RESULT/Z39094.RES METHOD: M9GEO



AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



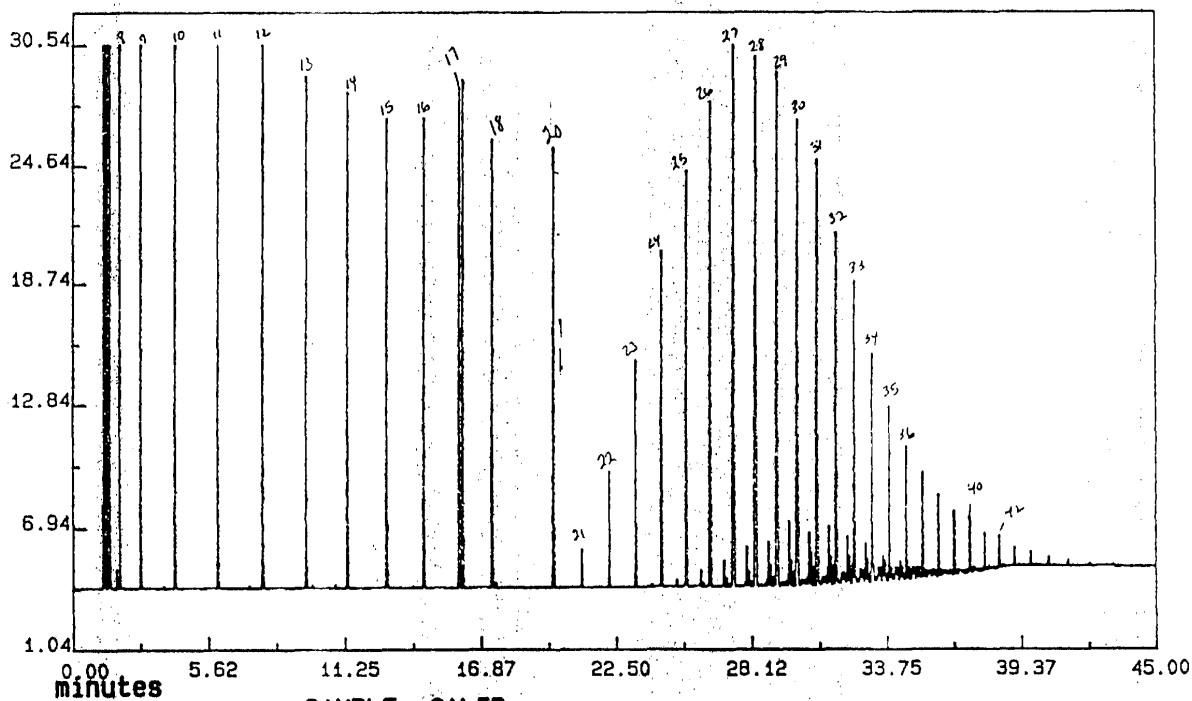
SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB

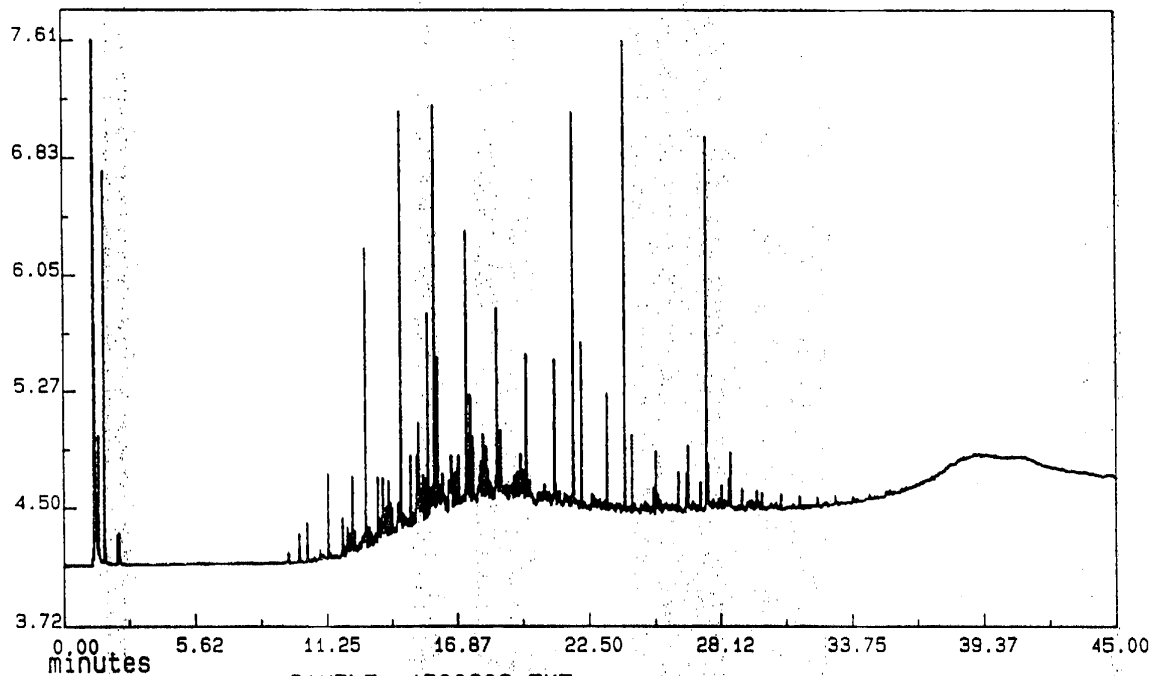
ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.93, 7.61)

1000209 -EXT  
NORTH-SLOPE  
BELT UNIT 1  
11194 11195 FT.



SAMPLE: 1000209-EXT

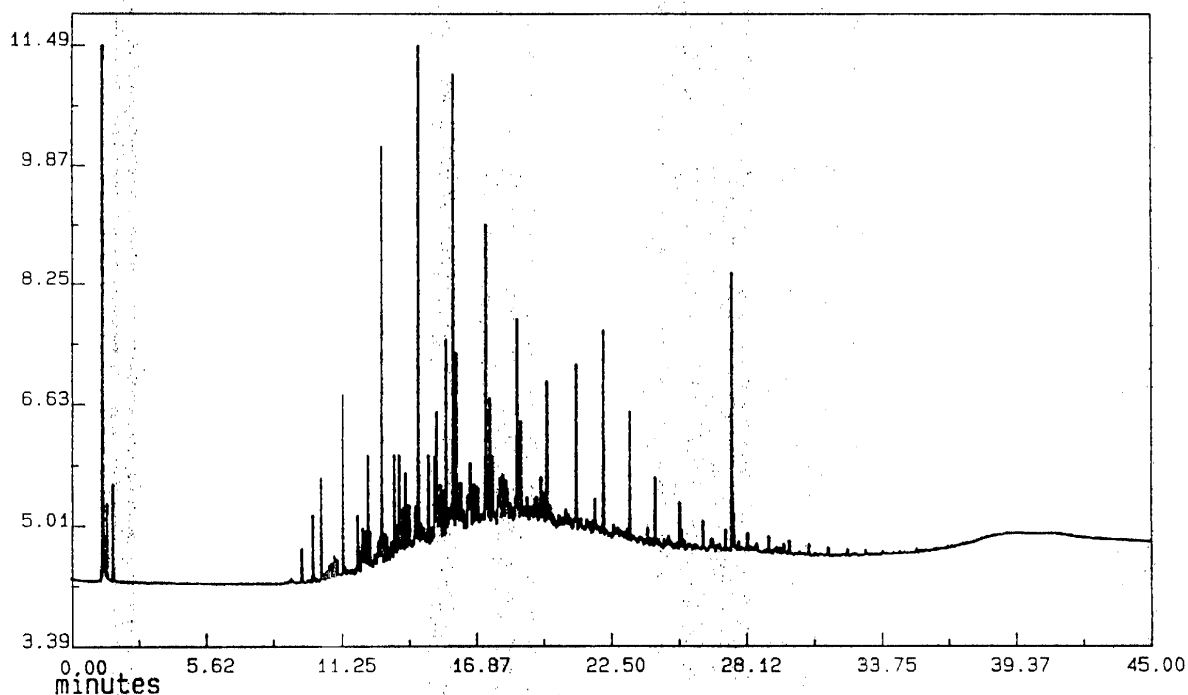
ANALYZED: Wed Jan 31, 1990 7:03:16 am

RESULT: /DATA/LOOP/RESULT/Z39095.RES METHOD: M9FINGERPRINT

TAC 9002311.01

AMPLITUDE/1000  
Force Normalized  
( 3.82, 11.49)

1D00210 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11195 11196 FT•

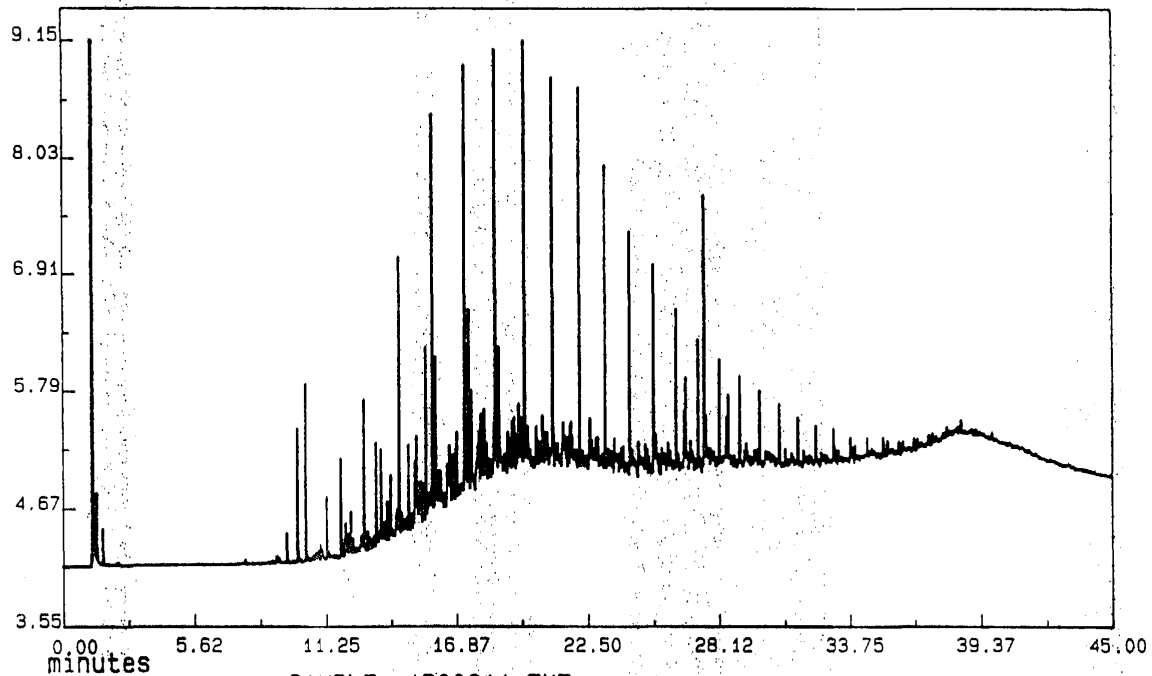


SAMPLE: 1D00210-EXT  
ANALYZED: Tue Jan 30, 1990 5:51:48 am  
RESULT: /DATA/LOOP/RESULT/Z39096.RES METHOD: M9FINGERPRINT

JAC 90022602

AMPLITUDE/1000  
Force Normalized  
( 3.85, 9.15)

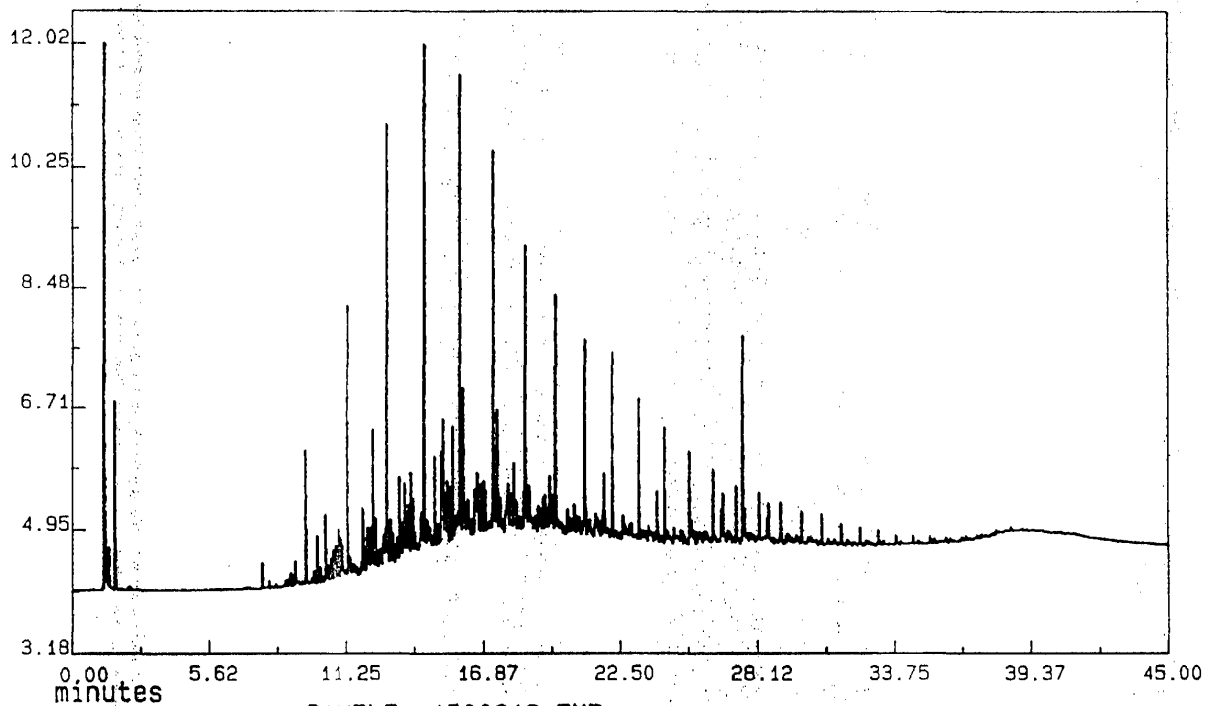
1D00211 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11196 11197 FT.



SAMPLE: 1D00211-EXT  
ANALYZED: Tue Jan 30, 1990 8:12:24 am  
RESULT: /DATA/LOOP/RESULT/Z39099.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.65, 12.02)

1D00212 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11198 11199 FT.

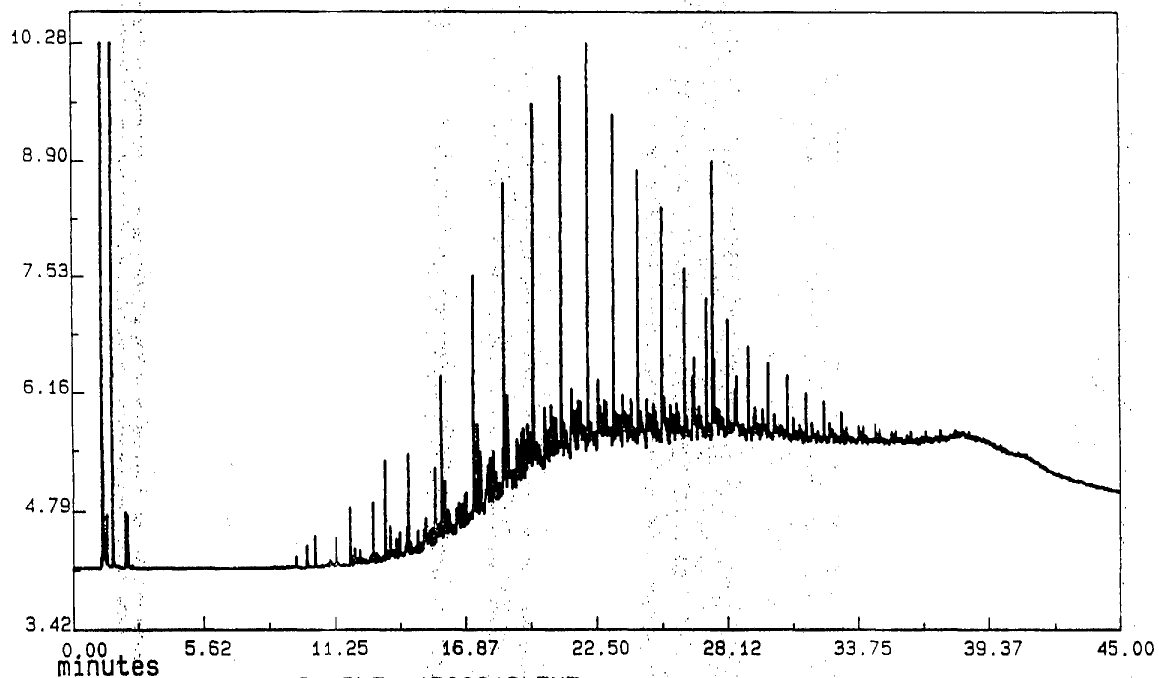


SAMPLE: 1D00212-EXT  
ANALYZED: Tue Jan 30, 1990 12:02:01 pm  
RESULT: /DATA/LOOP/RESULT/Z39100.RES METHOD: M9FINGERPRINT

JAC 90022602

AMPLITUDE/1000  
Force Normalized  
( 3.79, 10.28)

1D00213 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11218 11219 FT•

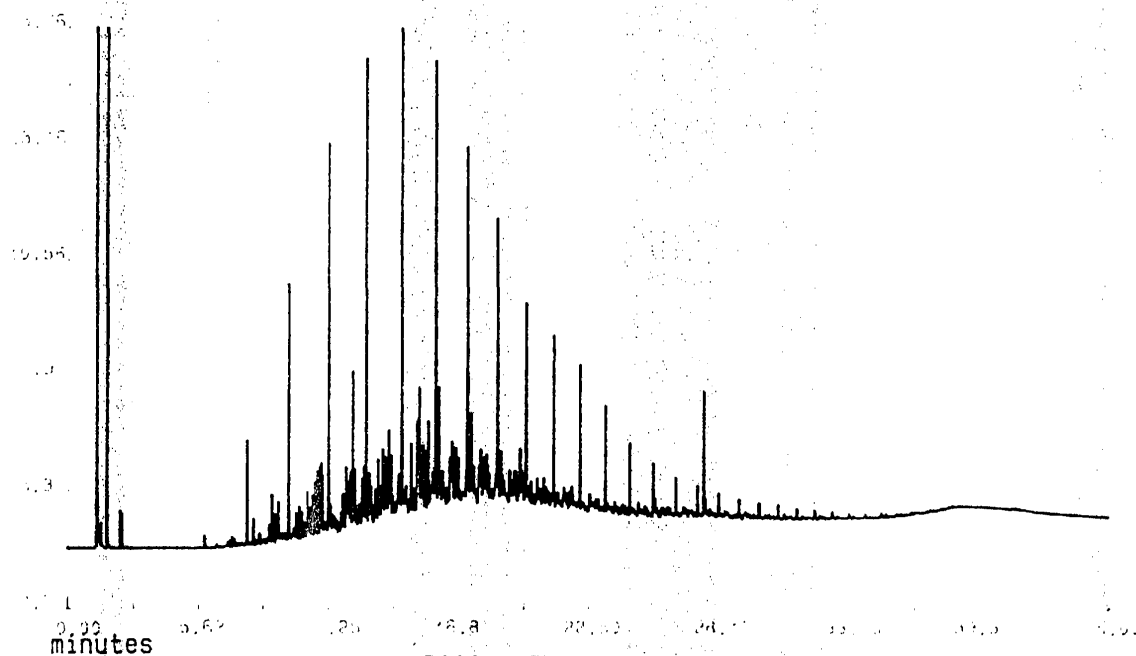


SAMPLE: 1D00213-EXT  
ANALYZED: Tue Jan 30, 1990 6:57:27 am  
RESULT: /DATA/LOOP/RESULT/Z39101.RES METHOD: M9FINGERPRINT

JAC 900222602

AMPLITUDE/1000  
Force Normalized  
( 3.46, 15.76)

1D00214 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11219 11220 FT•



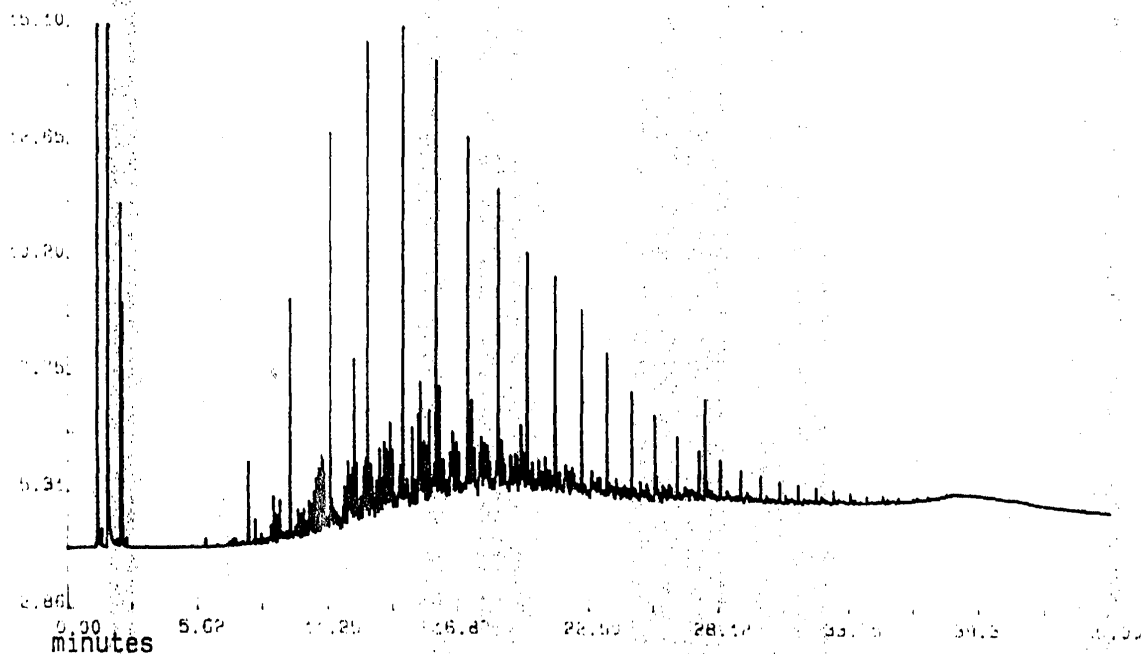
SAMPLE: 1D00214-EXT  
ANALYZED: Mon Jan 29, 1990 12:23:21 pm  
RESULT: /DATA/LOOP/RESULT/Z39102.RES METHOD: M9FINGERPRINT

TOTAL: 0.000000



AMPLITUDE/1000  
Force Normalized  
( 3.51, 15.10)

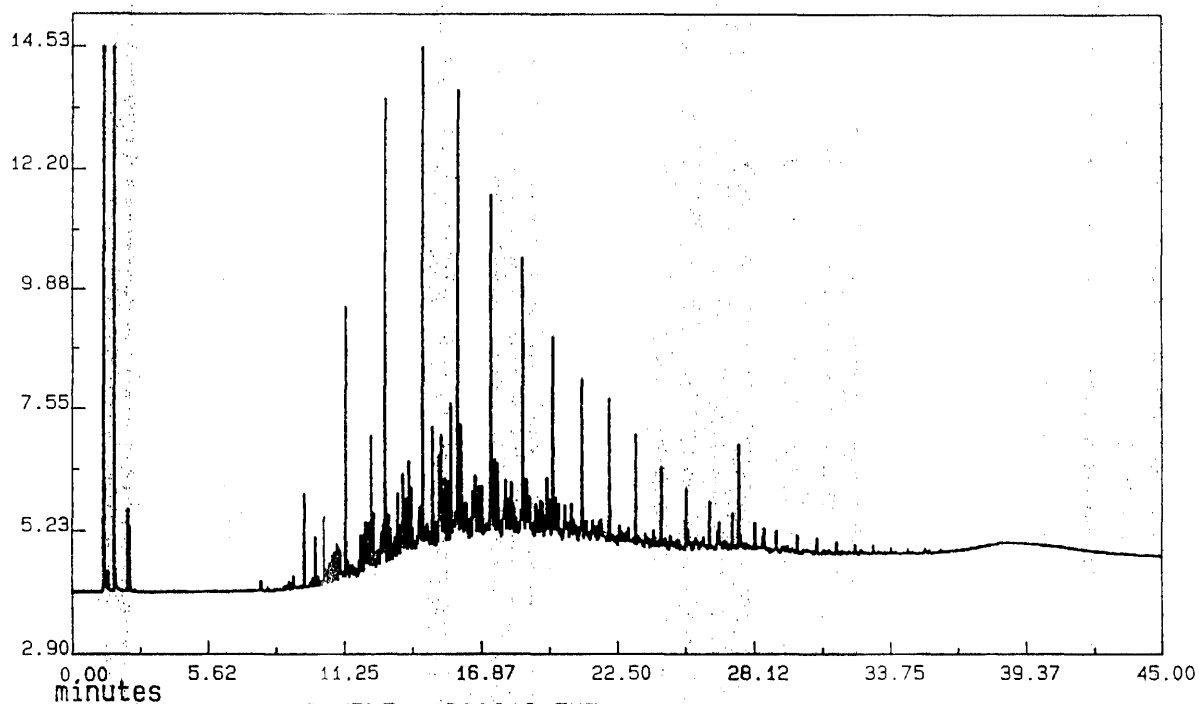
1D00215 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11223 11224 FT.



SAMPLE: 1D00215-EXT  
ANALYZED: Mon Jan 29, 1990 7:09:01 am  
RESULT: /DATA/LOOP/RESULT/Z39103.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 3.52, 14.53)

1000216 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11244 11245 FT.

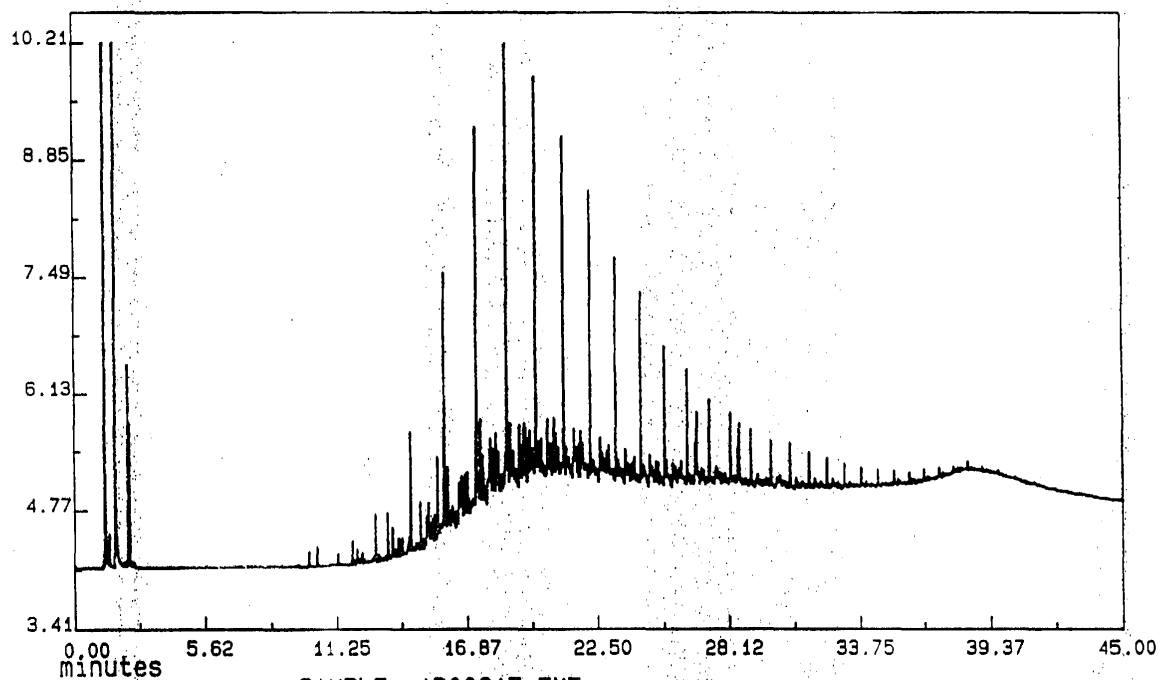


SAMPLE: 1000216-EXT  
ANALYZED: Tue Jan 30, 1990 10:50:38 am  
RESULT: /DATA/LOOP/RESULT/Z39104.RES METHOD: M9FINGERPRINT

TAC 900222602

AMPLITUDE/1000  
Force Normalized  
( 3.77, 10.21)

1D00217 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11247 11248 FT.

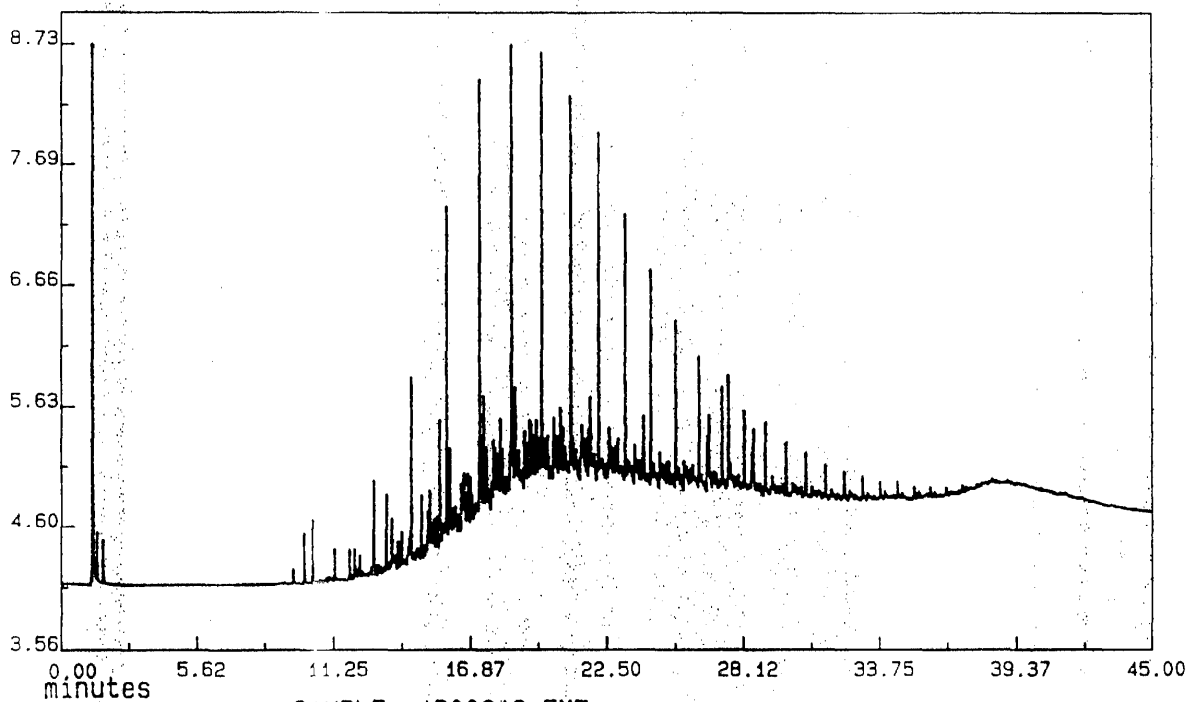


SAMPLE: 1D00217-EXT  
ANALYZED: Wed Jan 31, 1990 5:51:28 am  
RESULT: /DATA/LOOP/RESULT/Z39105.RES METHOD: M9FINGERPRINT

TAC 900222601

AMPLITUDE/1000  
Force Normalized  
( 3.84, 8.73)

1000218 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11249 11250 FT.

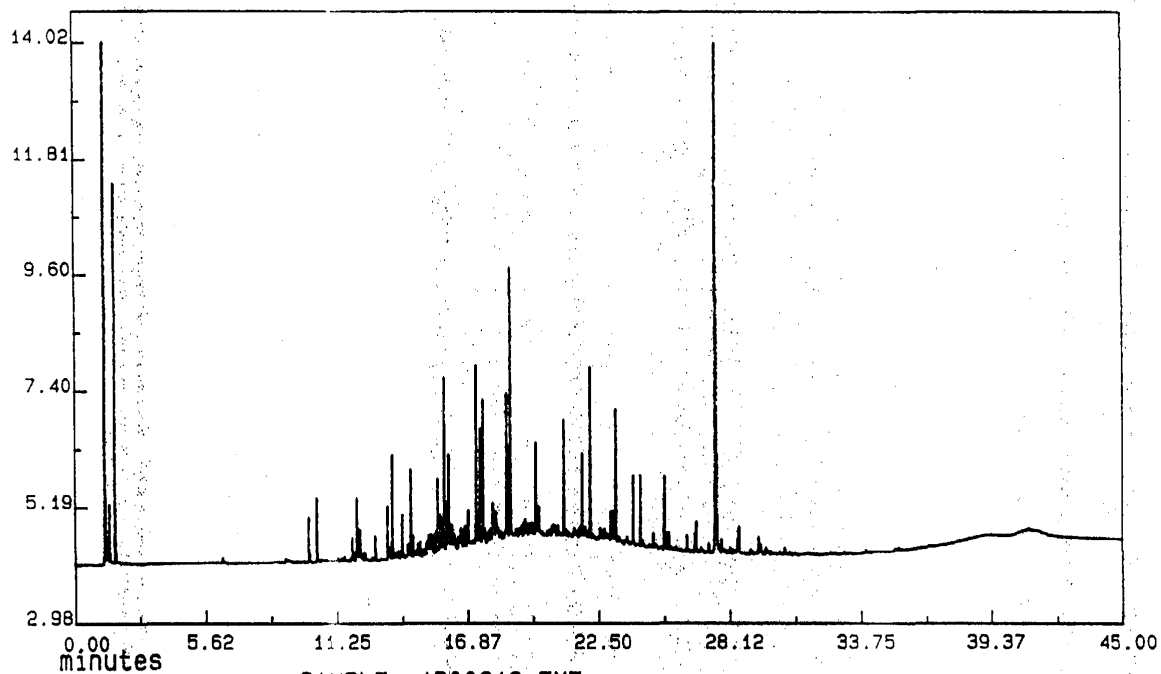


SAMPLE: 1000218-EXT  
ANALYZED: Wed Jan 31, 1990 11:29:00 am  
RESULT: /DATA/LOOP/RESULT/Z39106.RES METHOD: M9FINGERPRINT

TAC 900232601

AMPLITUDE/1000  
Force Normalized  
( 3.57, 14.02)

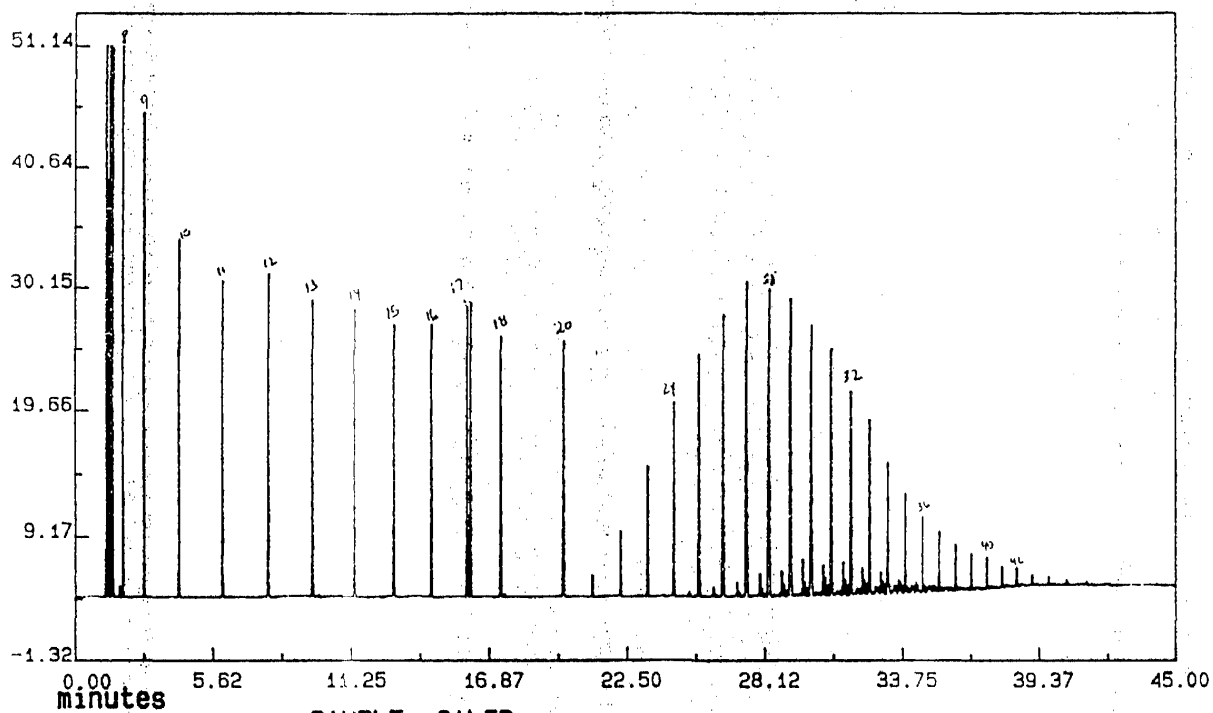
1D00219 -EXT  
NORTH-SLOPE  
BELI UNIT 1  
11648 11655 FT•



SAMPLE: 1D00219-EXT  
ANALYZED: Wed Jan 31, 1990 9:22:23 am  
RESULT: /DATA/LOOP/RESULT/Z39107.RES METHOD: M9FINGERPRINT

TAC 900232601

AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



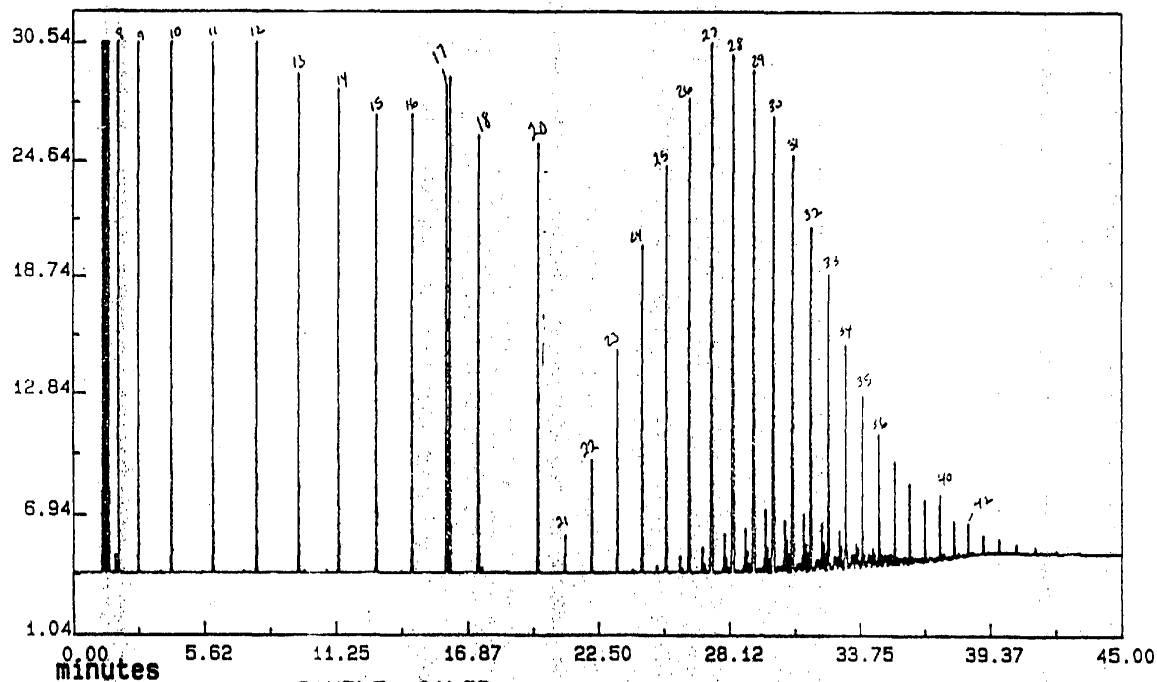
SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB

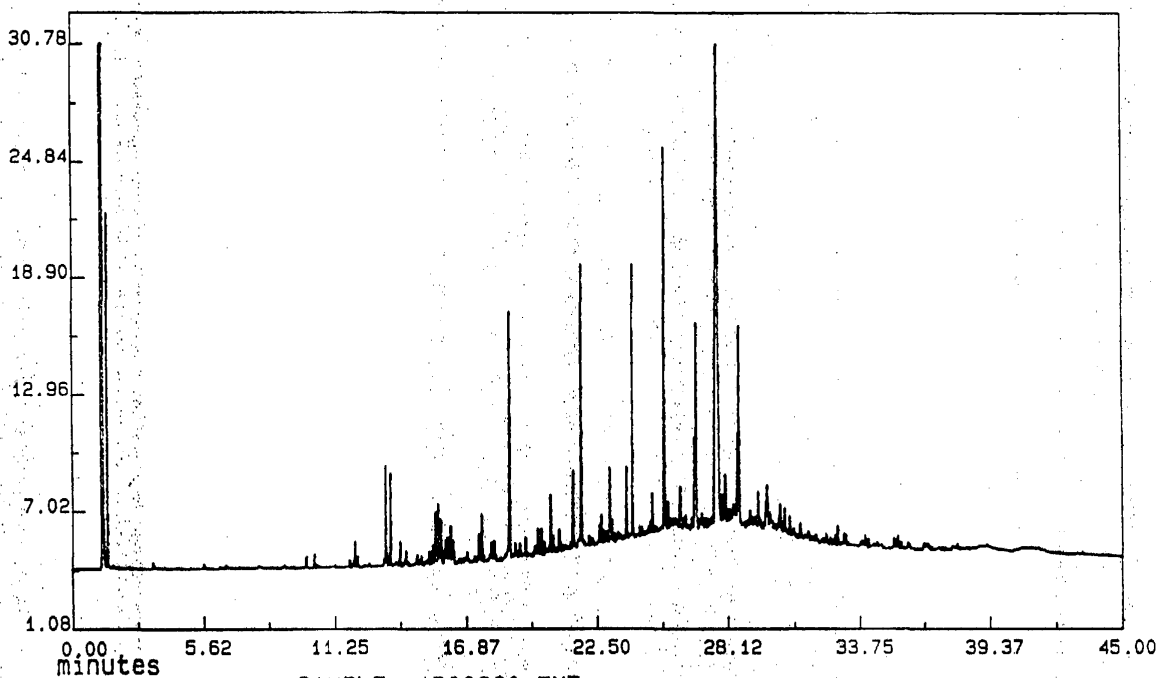
ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.65, 30.78)

1D00220 -EXT  
NORTH-SLOPE  
WEST KAVIK 1  
14896 14897 FT•



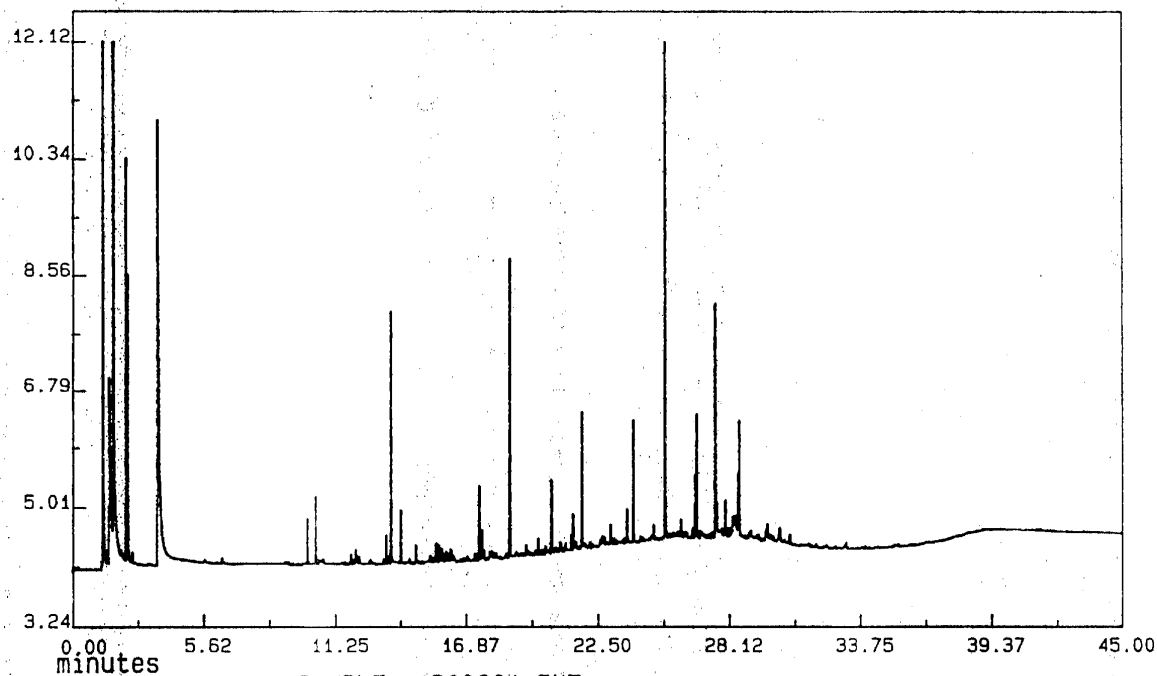
SAMPLE: 1D00220-EXT  
ANALYZED: Wed Jan 31, 1990 10:25:14 am  
RESULT: /DATA/LOOP/RESULT/Z39108.RES METHOD: M9FINGERPRINT

TAC 900232601



AMPLITUDE/1000  
Force Normalized  
( 3.71, 12.12)

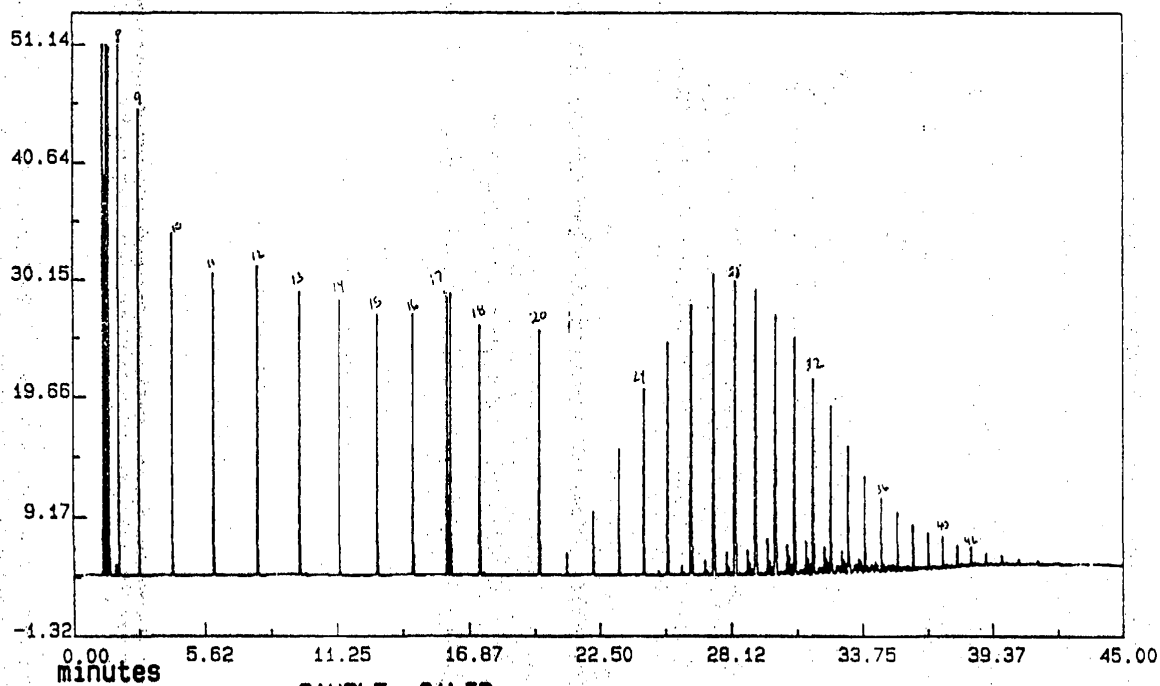
1D00221 -EXT  
NORTH-SLOPE  
WEST XAVIK 1  
14905 14906 FI•



SAMPLE: 1D00221-EXT  
ANALYZED: Wed Jan 31, 1990 8:15:37 am  
RESULT: /DATA/LOOP/RESULT/Z39109.RES METHOD: M9FINGERPRINT

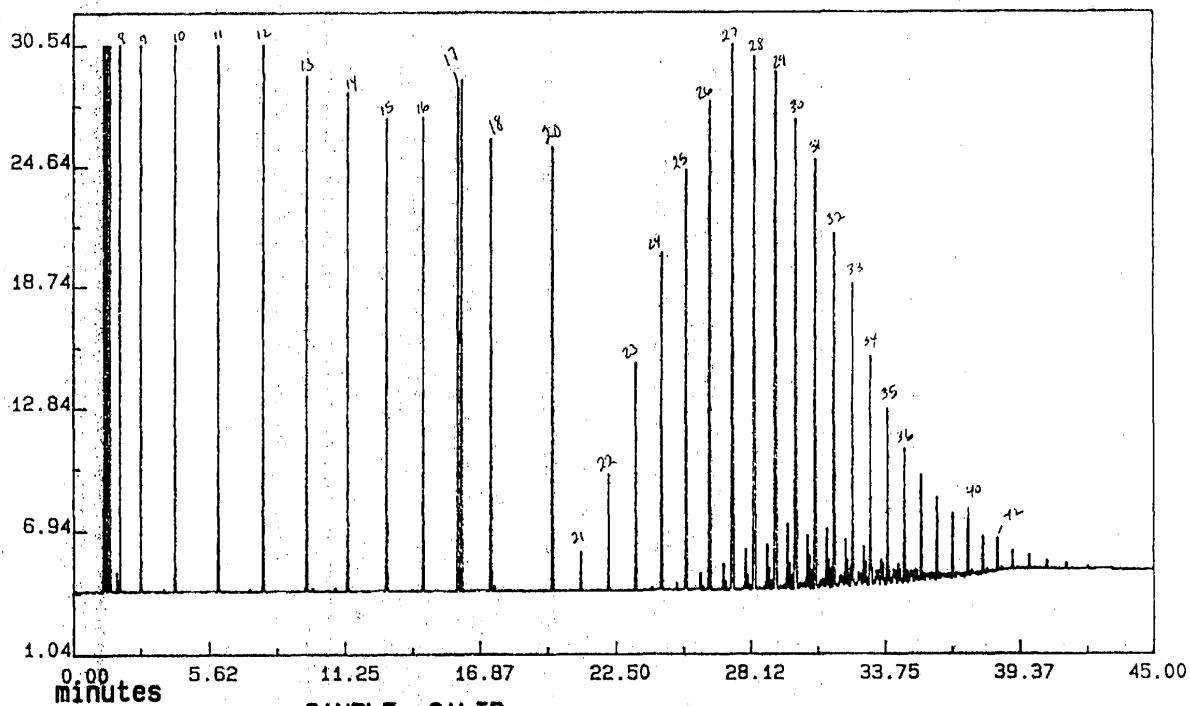
JAC 900232601

AMPLITUDE/1000  
Force Normalized  
( 1.44, 51.14)



SAMPLE: CALIB  
ANALYZED: Thu Jan 25, 1990 5:53:37 am  
RESULT: /DATA/LOOP/RESULT/R9STD018.RES METHOD: M9FINGERPRINT

AMPLITUDE/1000  
Force Normalized  
( 2.60, 30.54)



SAMPLE: CALIB

ANALYZED: Thu Jan 25, 1990 5:53:37 am

RESULT: /DATA/LOOP/RESULT/R9STD018.RES

METHOD: M9FINGERPRINT