

TOTAL CONSUMPTION OF MUD ADDITIVES ON WELL 6305/9-1 PO: 1

Section	Product/ Additive	Unit	Total Amount Used
26"	BARITE	kg	28000,00
	CELPOL ESL	kg	25,00
	CMC EHV	kg	75,00
	DUOTEC NS	kg	25,00
12 1/4"	BARITE	kg	127000,00
	DUOTEC NS	kg	2375,00
	GLYCOL	l	20400,00
	GLYDRIL MC	l	186000,00
	KCL BRINE	l	410000,00
	PACSEAL LV	kg	7700,00
	POTASSIUM CARBONATE	kg	250,00
8 1/2"	BARITE	kg	56000,00
	CITRIC ACID	kg	1000,00
	DUOTEC NS	kg	175,00
	GLYCOL	l	2800,00
	PACSEAL LV	kg	975,00
	POTASSIUM CARBONATE	kg	650,00
	SODIUM BICARBONATE	kg	925,00

DAILY MUD PROPERTIES:RHEOLOGY PARAMETERS FOR WELL 6305/9-1 PO: 1

Hole section : 36" WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp Out [DegC]	Fann Readings							Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gel0 [Pa]	Gel10 [Pa]
	MD	TVD					600	300	200	100	60	30	6					
2001-07-09	211	211	SPUD MUD	90,0	1,05					0	0							
2001-07-10	274	274	SPUD MUD	95,0	1,05					0	0							

Hole section : 26" WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp Out [DegC]	Fann Readings							Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gel0 [Pa]	Gel10 [Pa]
	MD	TVD					600	300	200	100	60	30	6					
2001-07-11	680	680	SPUD MUD	105,0	1,05					0	0							
2001-07-12	680	680					0	0	0	0	0	0	0					

Hole section : 12 1/4" WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp Out [DegC]	Fann Readings							Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gel0 [Pa]	Gel10 [Pa]	
	MD	TVD					600	300	200	100	60	30	6						3
2001-07-14 23:59	972	972	KCL/POLYMER	80,0	1,30	20,0	76	56	45	31	0	0	12	10	50,0	20,0	18,0	6,0	9,0
2001-07-15 23:59	1522	1522	KCL/POLYMER	79,0	1,30	20,0	70	52	43	33	0	0	12	10	50,0	18,0	17,0	5,0	8,0
2001-07-16	2076	2076	KCL/POLYMER	79,0	1,31		73	54	46	35	0	0	12	10	50,0	19,0	17,5	5,0	9,0
2001-07-17 23:05	2305	2305	KCL/POLYMER	100,0	1,35		84	62	52	39	0	0	13	10	50,0	22,0	20,0	6,0	10,0
2001-07-18 22:00	2305	2305	KCL/POLYMER	103,0	1,40		81	59	49	37	0	0	13	10	50,0	22,0	18,5	5,0	10,0
2001-07-19 21:00	2305	2305	KCL/POLYMER	103,0	1,40		83	60	50	38	0	0	13	10	50,0	23,0	18,5	5,0	10,0

Hole section : 8 1/2" WATER BASED SYSTEM

Date	Depth [m]		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp Out [DegC]	Fann Readings							Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gel0 [Pa]	Gel10 [Pa]	
	MD	TVD					600	300	200	100	60	30	6						3
2001-07-20 21:00	2257	2257	KCL/POLYMER	87,0	1,30		61	45	38	29	0	0	8	11	50,0	16,0	14,5	4,5	9,0
2001-07-21 22:25	2477	2476	KCL/POLYMER	89,0	1,30		78	56	46	35	0	0	10	8	50,0	22,0	17,0	4,5	9,0
2001-07-22 22:00	2580	2579	KCL/POLYMER	85,0	1,30		70	51	40	30	0	0	10	8	50,0	19,0	16,0	4,0	9,0

DAILY MUD PROPERTIES:RHEOLOGY PARAMETERS FOR WELL 6305/9-1 PO: 1

Hole section : P&A		WATER BASED SYSTEM																	
Date	Depth [m]		Mud Type	Funnel Visc [sec]	Dens [sg]	Mudtmp Out [DegC]	Fann Readings								Rheo Test [DegC]	PV [mPas]	YP [Pa]	Gel0 [Pa]	Gel10 [Pa]
	MD	TVD					600	300	200	100	60	30	6	3					
2001-07-24 21:00	2655	2654	KCL/POLYMER	85,0	1,30		71	50	41	32	0	0	10	8	50,0	21,0	14,5	4,0	9,0
2001-07-25 21:00	2138	2138	KCL/POLYMER	92,0	1,40		77	54	44	36	0	0	11	9		23,0	15,5	5,0	10,0
2001-07-26 12:00	2195	2195	KCL/POLYMER	95,0	1,40		78	55	46	36	0	0	12	9	50,0	23,0	16,0	5,0	11,0
2001-07-28 10:00	300	300	KCL/POLYMER	85,0	1,40		70	50	41	30	0	0	10	8		20,0	15,0	5,0	10,0

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 6305/9-1 PO: 1

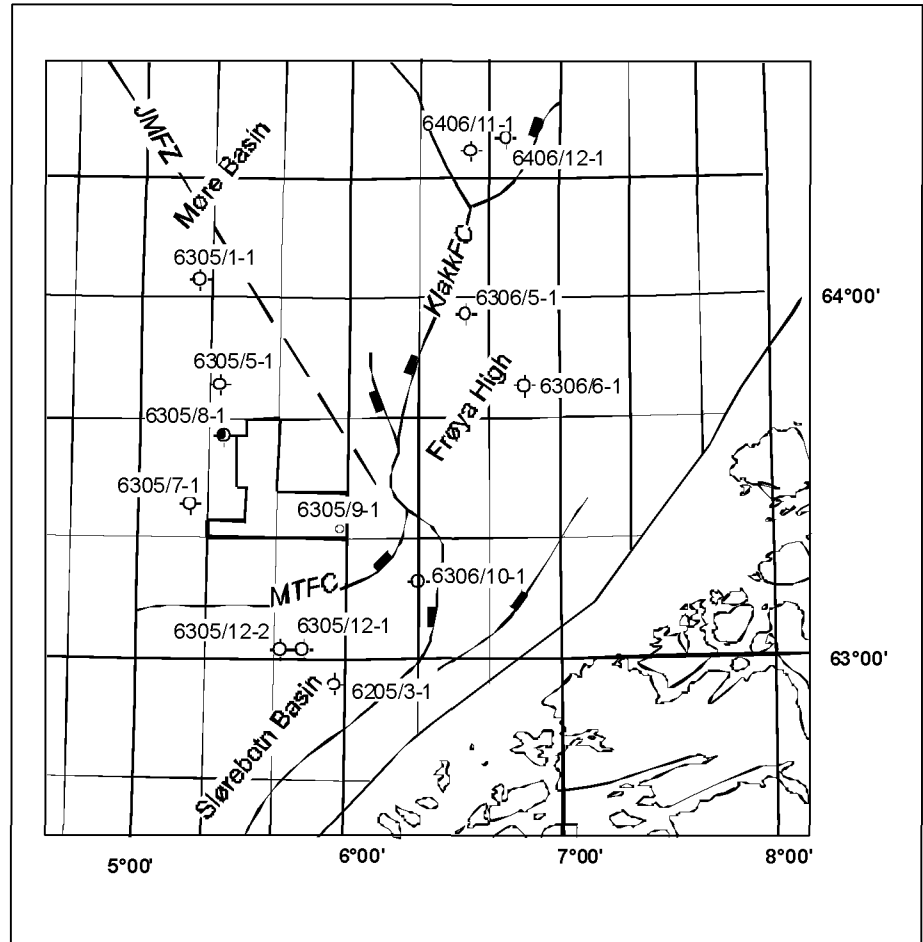
Hole section : 36"		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage Solid Oil Sand			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							[%]	[%]	[%]			
2001-07-09	211	211	SPUD MUD	1,05					/																
2001-07-10	274	274	SPUD MUD	1,05					/																
Hole section : 26"		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage Solid Oil Sand			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							[%]	[%]	[%]			
2001-07-11	680	680	SPUD MUD	1,05					/																
2001-07-12	680	680							/																
Hole section : 12 1/4"		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage Solid Oil Sand			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							[%]	[%]	[%]			
2001-07-14 23:59	972	972	KCL/POLYMER	1,30	1,8		1		/	8,6	0,5	0,0	0,1	95	90000	400		400	12,5	6,0	0,0	20	3,6	79	
2001-07-15 23:59	1522	1522	KCL/POLYMER	1,30	1,6	12,0	1	2	12/ 100	8,0	0,1	0,0	0,1	80000	90000	300		300	14,0	6,0	0,0	18	3,6	77	
2001-07-16	2076	2076	KCL/POLYMER	1,31	2,7	14,0	1	1	/ 121	8,0	0,1	0,1	0,9	95000	94000	500		500	15,5	4,5	0,6	18	3,4	115	
2001-07-17 23:05	2305	2305	KCL/POLYMER	1,35	2,1	12,0	1	1	/ 121	8,0	0,1	0,1	0,6		97000	820		820	17,0	4,8	0,7	25	3,5	147	
2001-07-18 22:00	2305	2305	KCL/POLYMER	1,40	2,4	12,0	1	1	/ 121	8,1	0,1	0,1	0,6	90	95000	840		840	17,0	4,5	0,8	28	3,5	147	
2001-07-19 21:00	2305	2305	KCL/POLYMER	1,40	2,4	12,0	1	1	/ 121	8,0	0,1	0,1	0,6	90	95000	800		800	17,0	5,0	0,8	28	3,5	147	
Hole section : 8 1/2"		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage Solid Oil Sand			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							[%]	[%]	[%]			
2001-07-20 21:00	2257	2257	KCL/POLYMER	1,30	2,3	12,0	1	1	/ 121	8,0	0,1	0,1	0,5	90	94000	820		820	14,0	4,5	0,6	30	3,2	152	
2001-07-21 22:25	2477	2476	KCL/POLYMER	1,30	2,2	11,0	1	1	/ 121	8,1	0,1	0,1	0,7	95000	91000	760		760	14,5	4,5	0,5	28	3,5	86	
2001-07-22 22:00	2580	2579	KCL/POLYMER	1,30	2,3	12,0	1	1	/ 121	8,1	0,1	0,1	0,7	95000	90000	900		900	14,0	4,6	0,5	28	3,7	60	
Hole section : P&A		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage Solid Oil Sand			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							[%]	[%]	[%]			
2001-07-24 21:00	2655	2654	KCL/POLYMER	1,30	2,5	14,0	1	1	/ 121	8,2	0,1	0,1	0,6	95000	90000	800		800	14,0	5,0	0,5	28	3,7	61	
2001-07-25 21:00	2138	2138	KCL/POLYMER	1,40	2,6	12,0	1	2	/	9,0		0,3	1,6	95000	90000	1000		1000	16,5	5,0	0,5	28	4,0	33	

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 6305/9-1 PO: 1

Hole section :		WATER BASED SYSTEM																							
Date	Depth [m]		Mud Type	Dens [sg]	Filtrate		Filtcake		HPHT Press/Temp [bar/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg/l]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	MD	TVD			API [ml]	HPHT [ml]	API [mm]	HPHT [mm]			Pm [ml]	Pf [ml]	Mf [ml]							Solid [%]	Oil [%]	Sand [%]			
2001-07-26 12:00	2195	2195	KCL/POLYMER	1,40	2,6	16,5	1	2	/	8,8	0,2	1,5	95000	90000	1000	1000	16,5	5,0	0,5	28	4,0	33			
2001-07-28 10:00	300	300	KCL/POLYMER	1,40	2,6	13,0	1	2	/	8,8	0,2	1,3	95000	89000	1200	1200	16,5	5,0	0,5	28	4,0	34			



Geochemistry well 6305/9-1



*E&P
Research Centre Bergen*



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Type	Start-depth, MD RKB	End-depth, MD RKB	Lith.	Rock Eval	latro Extr.	d13C scan	C5-20 isotope	SAT HC's	SAT HC's biom.	ARO	Vitr. Ro	Org.ID
DC	780.00	800.00	CLYST/SST									1 2146759
DC	880.00	900.00	CLYST/SST									1 2146758
DC	980.00	1000.00	CLYST/SST									1 2146760
DC	1080.00	1100.00	CLYST/SST									1 2146756
DC	1180.00	1200.00	CLYST									1 2146761
DC	1280.00	1300.00	CLYST									1 2146757
DC	1380.00	1400.00	CLYST									1 2146749
DC	1480.00	1500.00	CLYST									1 2146762
DC	1580.00	1600.00	CLYST									1 2146748
DC	1680.00	1700.00	CLYST									1 2146746
DC	1780.00	1800.00	CLYST									1 2146754
DC	1880.00	1900.00	CLYST									1 2146743
DC	1980.00	2000.00	CLYST									1 2146747
DC	2080.00	2100.00	CLYST									1 2146740
DC	2180.00	2200.00	CLYST									1 2146741
DC	2280.00	2300.00	CLYST									1 2146764
SWC	2340.00	2340.00		1								2129020
DC	2385.00	2388.00	CLYST									1 2146763
DC	2472.00	2475.00	CLYST/SST									1 2146755
COCH	2477.00	2477.00						1				2127831
COCH	2478.00	2478.00						1				2127832
COCH	2479.00	2479.00						1				2127833
COCH	2479.95	2479.95		1	1	1			1	1	1	2138139
COCH	2480.00	2480.00						1				2127834
COCH	2481.00	2481.00						1				2127835
COCH	2482.00	2482.00						1				2127836
COCH	2483.00	2483.00						1				2127837
COCH	2484.00	2484.00						1				2127838
COCH	2484.93	2484.93						1				2127839
COCH	2486.00	2486.00						1				2127841
COCH	2487.00	2487.00						1				2127842
COCH	2488.00	2488.00						1				2127843
COCH	2489.00	2489.00						1				2127844
COCH	2490.00	2490.00						1				2127845
COCH	2491.00	2491.00						1				2127846
COCH	2491.50	2491.50		1								2138138
COCH	2492.00	2492.00						1				2127847
COCH	2493.00	2493.00						1				2127848
COCH	2494.00	2494.00						1				2136943
COCH	2494.40	2494.40						1				2127850
SWC	2505.00	2505.00		1	1	1			1	1	1	2129019
SWC	2525.00	2525.00		1								2129018
SWC	2527.50	2527.50		1	1	1			1	1	1	2129017
SWC	2535.00	2535.00		1								2129016
SWC	2540.00	2540.00		1								2129015
SWC	2544.00	2544.00		1								2129014
SWC	2548.00	2548.00		1	1	1			1	1	1	2129013
SWC	2555.00	2555.00		1								2129012
SWC	2565.00	2565.00		1								2129011
SWC	2575.00	2575.00		1								2129010
DC	2574.00	2577.00	CLYST/SST									1 2146745
SWC	2590.00	2590.00		1								2129009
SWC	2610.00	2610.00		1								2129008
SWC	2650.00	2650.00		1								2129007
DC	2652.00	2655.00	CLYST/SST									1 2146742

Table 2.1: Sample list and analytical plan.



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3 Experimental

The analytical and preparative methods employed in this study comprise geochemical characterization of sediment extracts.

The analytical program involves:

- ✓ Rock Eval screening
- ✓ Asphaltene precipitation
- ✓ Preparative group type separation by MPLC¹
- ✓ Group type distribution by TLC-FID² (Iatroscan)
- ✓ Gas chromatography (GC-FID) of saturated C₁₅₊ hydrocarbons
- ✓ Gas chromatography-mass spectrometry (GC-MSD³) of the saturated (SAT) and aromatic (ARO) C₁₅₊ hydrocarbon fractions
- ✓ Gas chromatography (GC-FID) of C₅₋₁₀ hydrocarbons in core extracts. This technique is based on extracts from core chips which are frozen on the rig site, transported ashore and analyzed as soon as possible.

All analytical and interpretative works were carried out at the Norsk Hydro O&E Research Centre in Bergen, Norway. The vitrinite reflectance data are generated by APT, Kjeller. All chromatographic data are based on quantitative measurements. All sample depths are reported in mMDRKB.

The analytical methods are based on the guidelines in the Norwegian Industry Guide to Organic Geochemical Analyses (NIGOGA⁴). Major deviations from this guide are:

- Extract and asphaltene workup by centrifugation.
- Internal standard mixture added for quality control and quantitative measurements.
- GC analysis of SAT and ARO fractions by 5% phenyl methyl-silicone stationary phase.
- GC-MSD detection of the aromatic hydrocarbons (not FID).
- Report of a restricted number of compounds relative to the NIGOGA guide, due to known co-elutions or disputable identities.

The data quality control is according to defined laboratory procedures, available on request.

Samples which are annotated "nso..." or "s..." represent the internal North Sea reference oil (NSO1) and reflect the analytical repeatability.

1 Medium Pressure/Performance Liquid Chromatography
2 Thin layer chromatography with Flame Ionisation Detection
3 Gas Chromatography - Mass Selective Detector
4 The Norwegian Industry Guide to Organic Geochemical Analyses, edition 4.0, 2000



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Vitrinite reflectance data table well 6305/9-1								
Upper depth mRKB	Lower depth mRKB	Sample type	Lithology	%Ro	Std	Nb of meas	Sample description	Sample quality
780	800.00	DC	clyst/sst	0.21	0.04	10	-00-00	M
880	900.00	DC	clyst/sst	0.23	0.04	20	000-00	M/G
980	1000.00	DC	clyst/sst	0.23	0.04	15	-00-00	M
1080	1100.00	DC	clyst/sst	0.2	0.02	16	-00-00	M
1180	1200.00	DC	clyst	0.24	0.04	22	00000+	G
1280	1300.00	DC	clyst	0.22	0.03	22	00000+	G
1380	1400.00	DC	clyst	0.22	0.02	21	00000+	G
1480	1500.00	DC	clyst	0.21	0.02	22	00000+	G
1580	1600.00	DC	clyst	0.21	0.03	23	00000+	G
1680	1700.00	DC	clyst	0.22	0.03	20	00000+	G
1780	1800.00	DC	clyst	0.24	0.02	20	00000+	G
1880	1900.00	DC	clyst	0.23	0.02	21	00000+	G
1980	2000.00	DC	clyst	0.26	0.05	22	000-0+	M/G
2080	2100.00	DC	clyst	0.23	0.03	23	00000+	G/M
2180	2200.00	DC	clyst	0.28	0.05	20	000-0+	M
2280	2300.00	DC	clyst	0.32	0.06	22	000-0+	M
2385	2388.00	DC	clyst	0.36	0.07	21	000-0+	M
2472	2475.00	DC	clyst/sst	0.37	0.05	13	000-00	M
2574	2577.00	DC	clyst/sst	0.39	0.06	22	000-00	M
2652	2655.00	DC	clyst/sst	0.46	0.07	21	000-00	M

Legend to vitrinite reflectance data table		
Lithology code	Sample quality	Sample preparation
Sandstone sst	G good	HF sample treated with hydrofluoric acid prior to analysis
Siltstone slst	M moderate	bulk sample treated as bulk rock
Claystone clyst	P poor	
Shale sh	st hydrocarbon staining	
Limestone lst		
Coal coal		

Sample description and measurement evaluation (- o +)	Options
000000	1 Abundance of vitrinite - o
123456	2 Identification of vitrinite - o +
	3 Type of vitrinite - o +
	4 Vitrinite fragment size - o
	5 Vitrinite surface quality - o
	6 Abundance of pyrite o +

Options legend:

- may give too low vitrinite reflectance sample value
- o reliable vitrinite reflectance sample value
- + may give too high vitrinite reflectance sample value

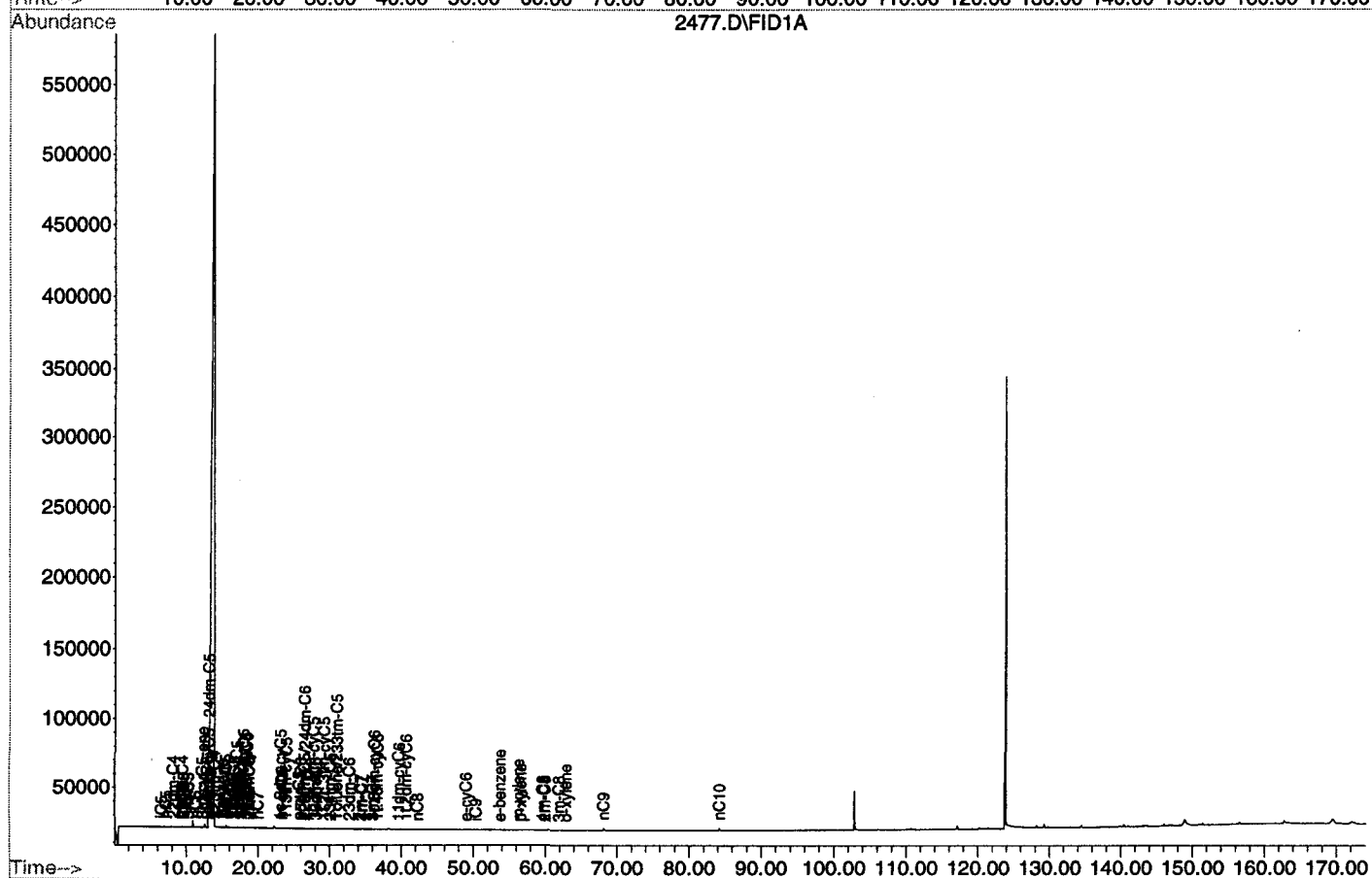
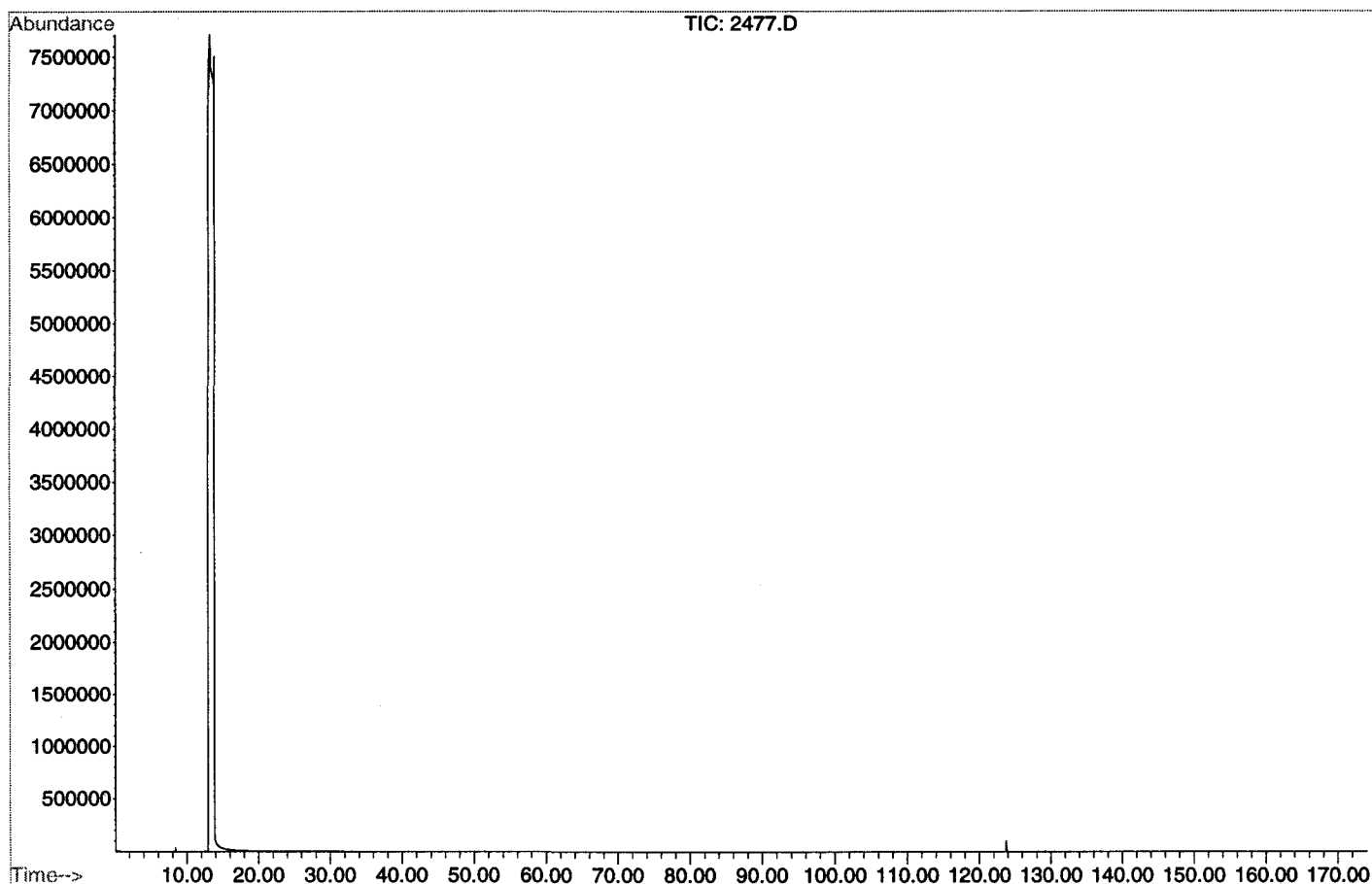
Table 6.: Vitrinite reflectance data.

Appendix 1

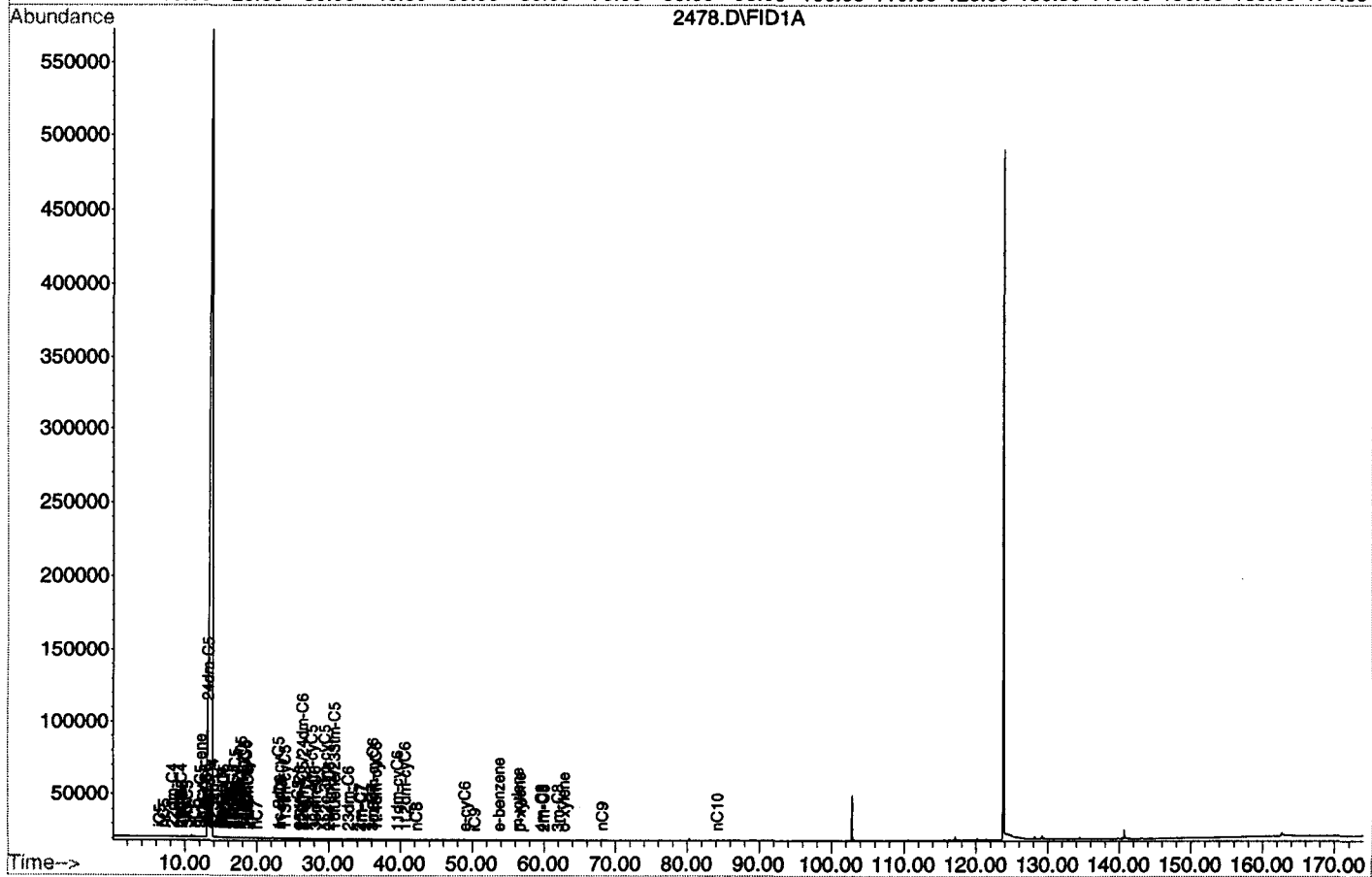
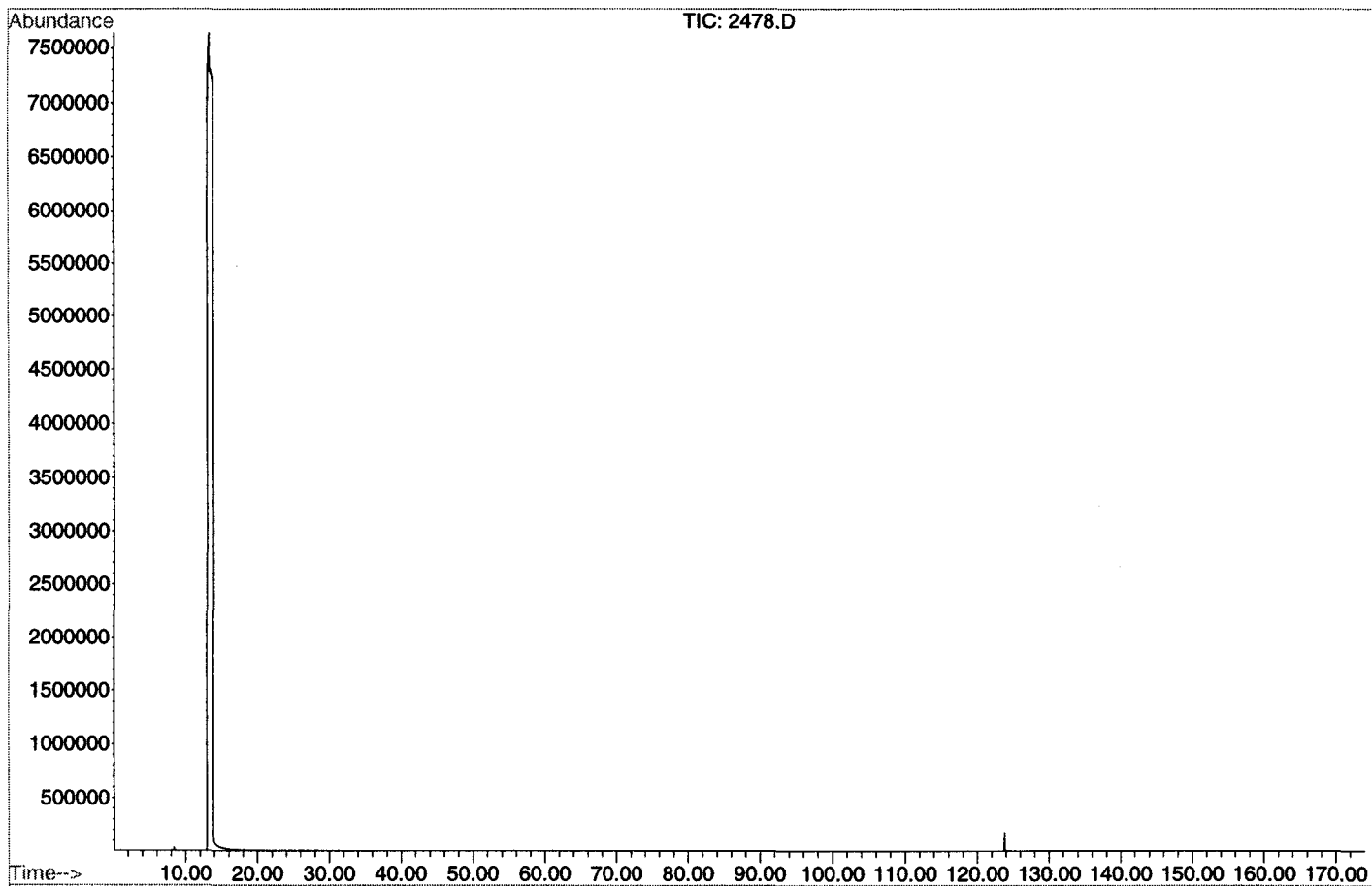
C₅₋₁₀ HC data

Peak labels indicate expected retention times.

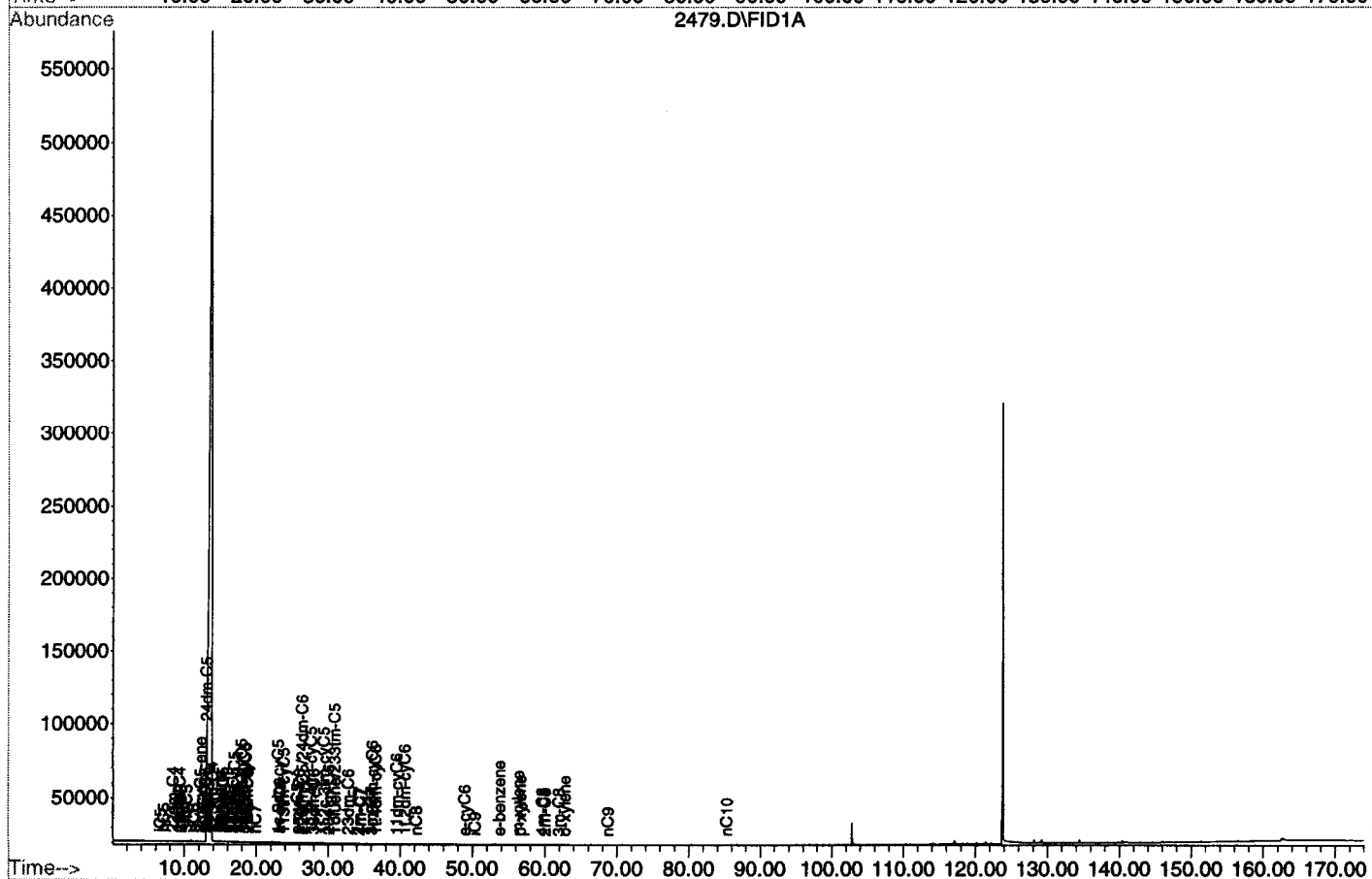
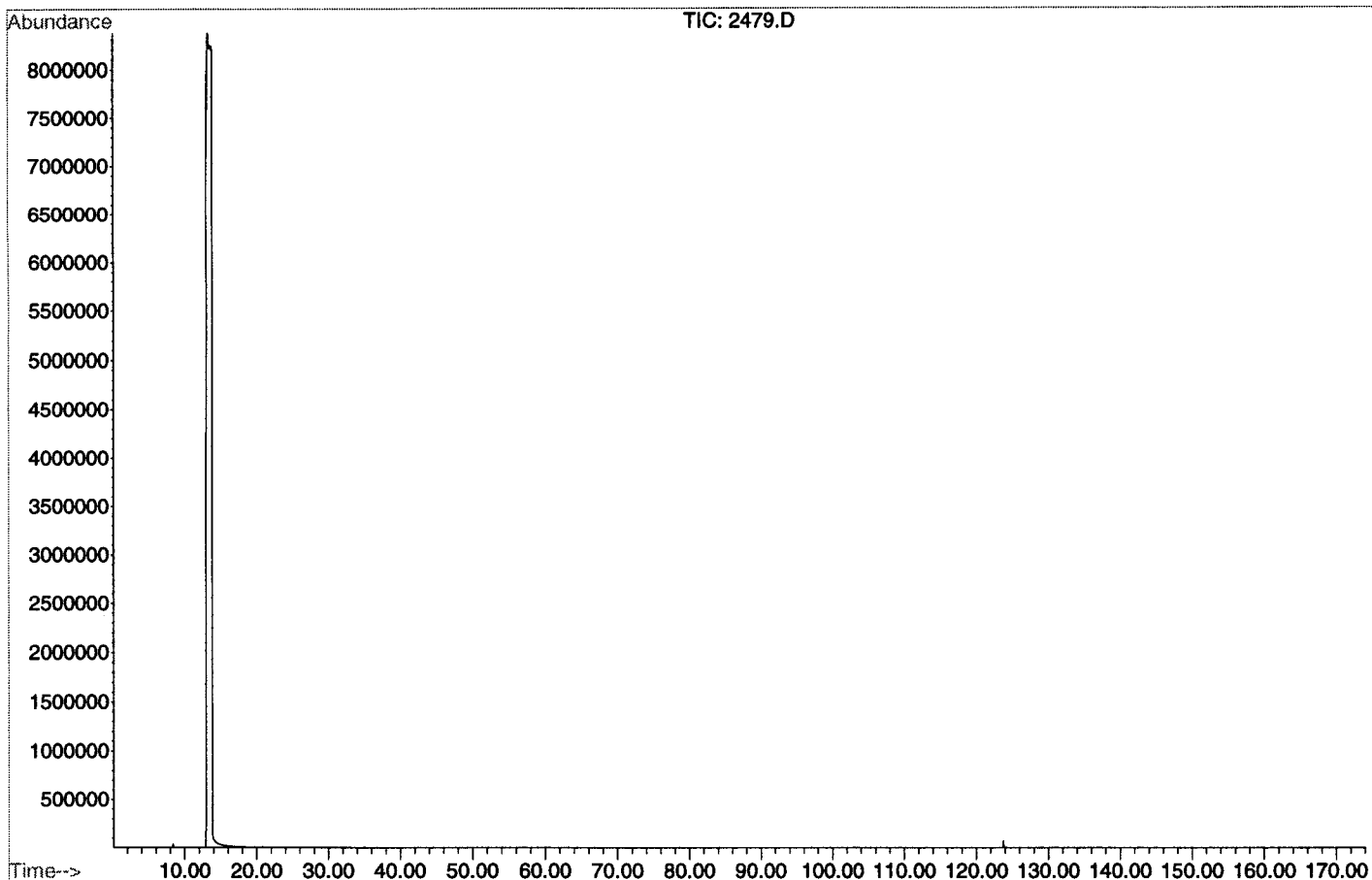
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 Acquired : 30 Aug 2001 16:28 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 COCH i CS2 **2477 m**
 Misc Info :
 Vial Number: 3



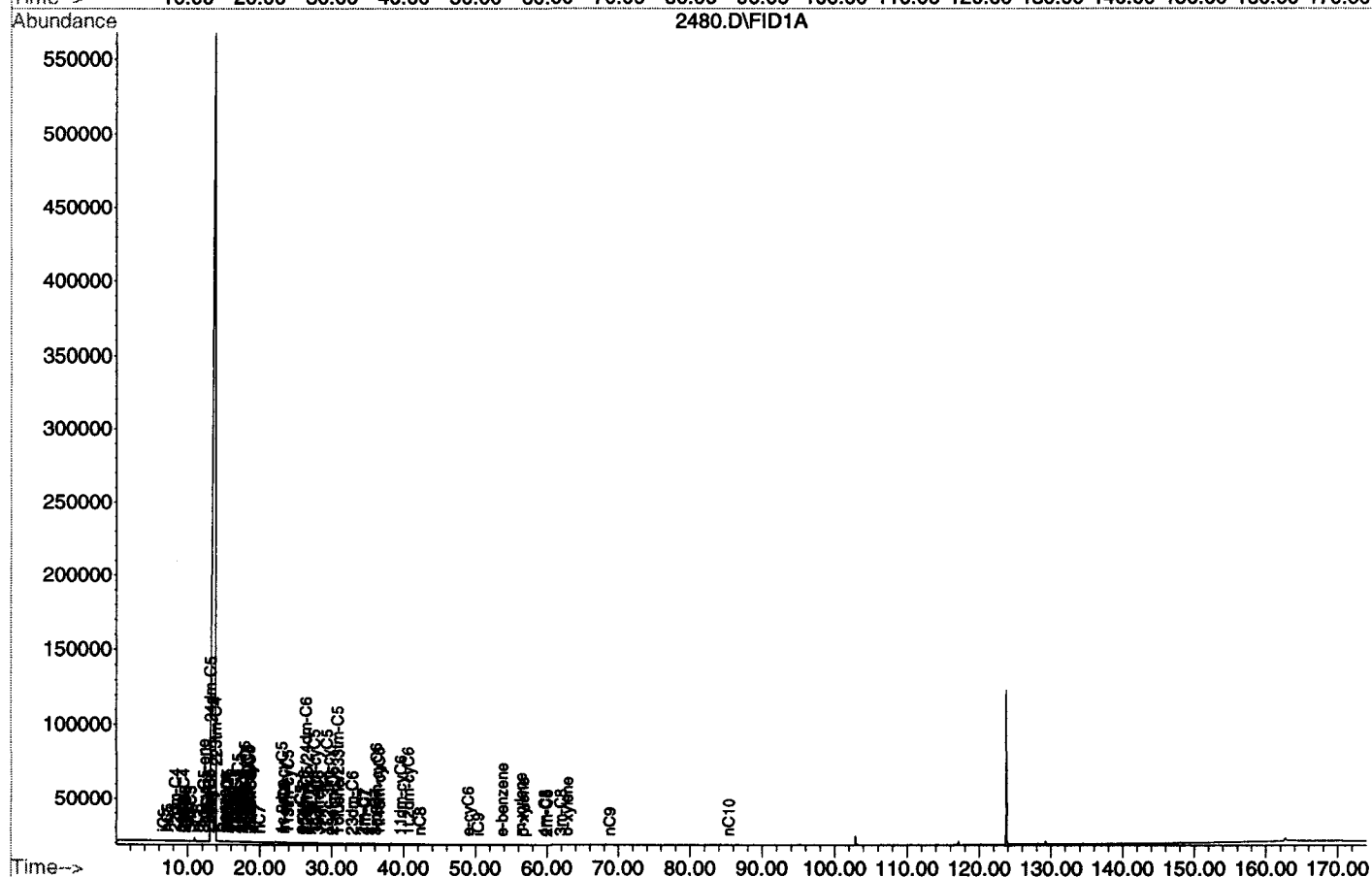
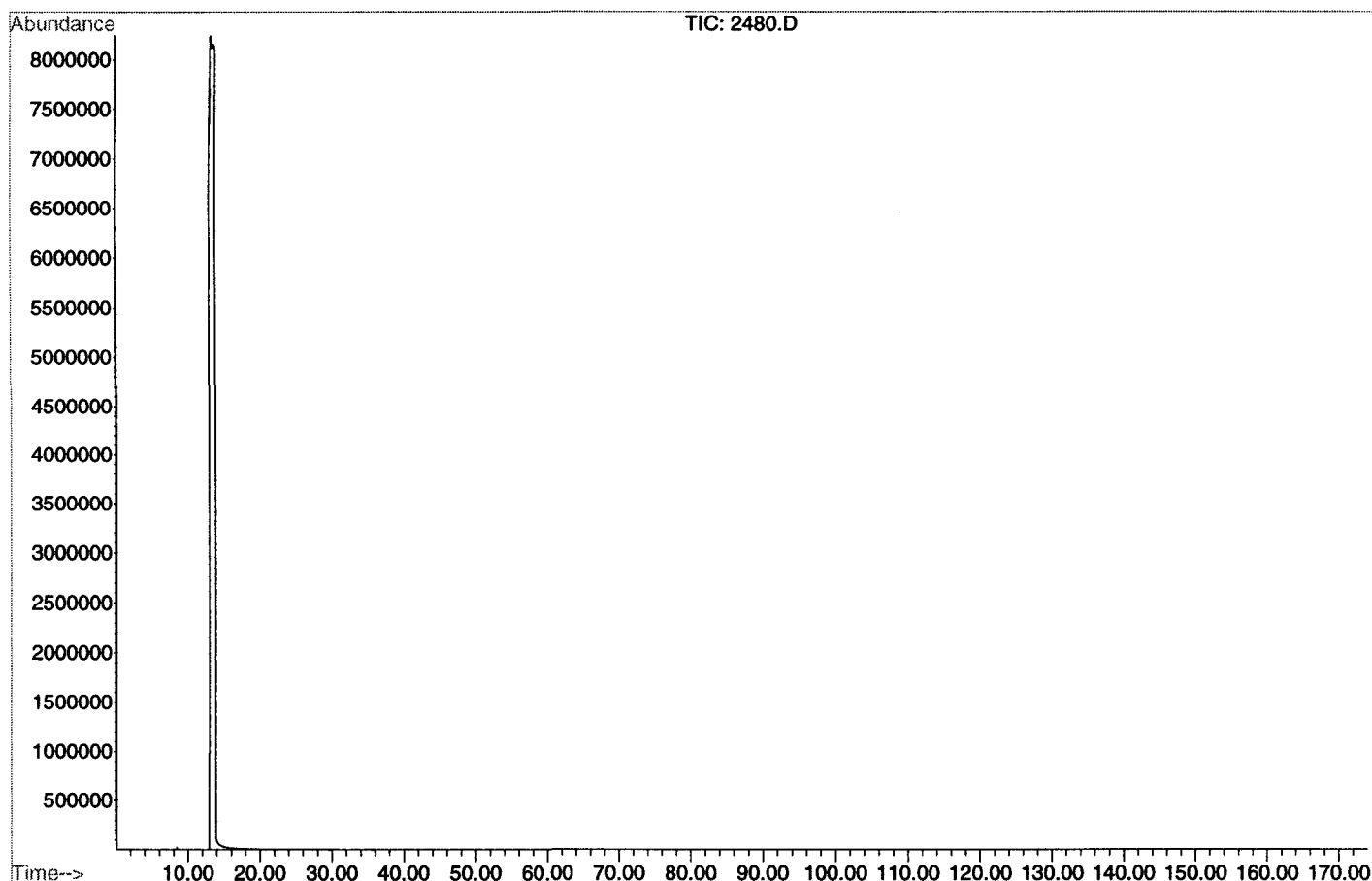
File : K:\CAP\C5_20ARK\1\6305_9\2478.D
 Operator : anne-karin
 Acquired : 30 Aug 2001 19:50 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 COCH i CS2 **2478m**
 Misc Info :
 Vial Number: 4



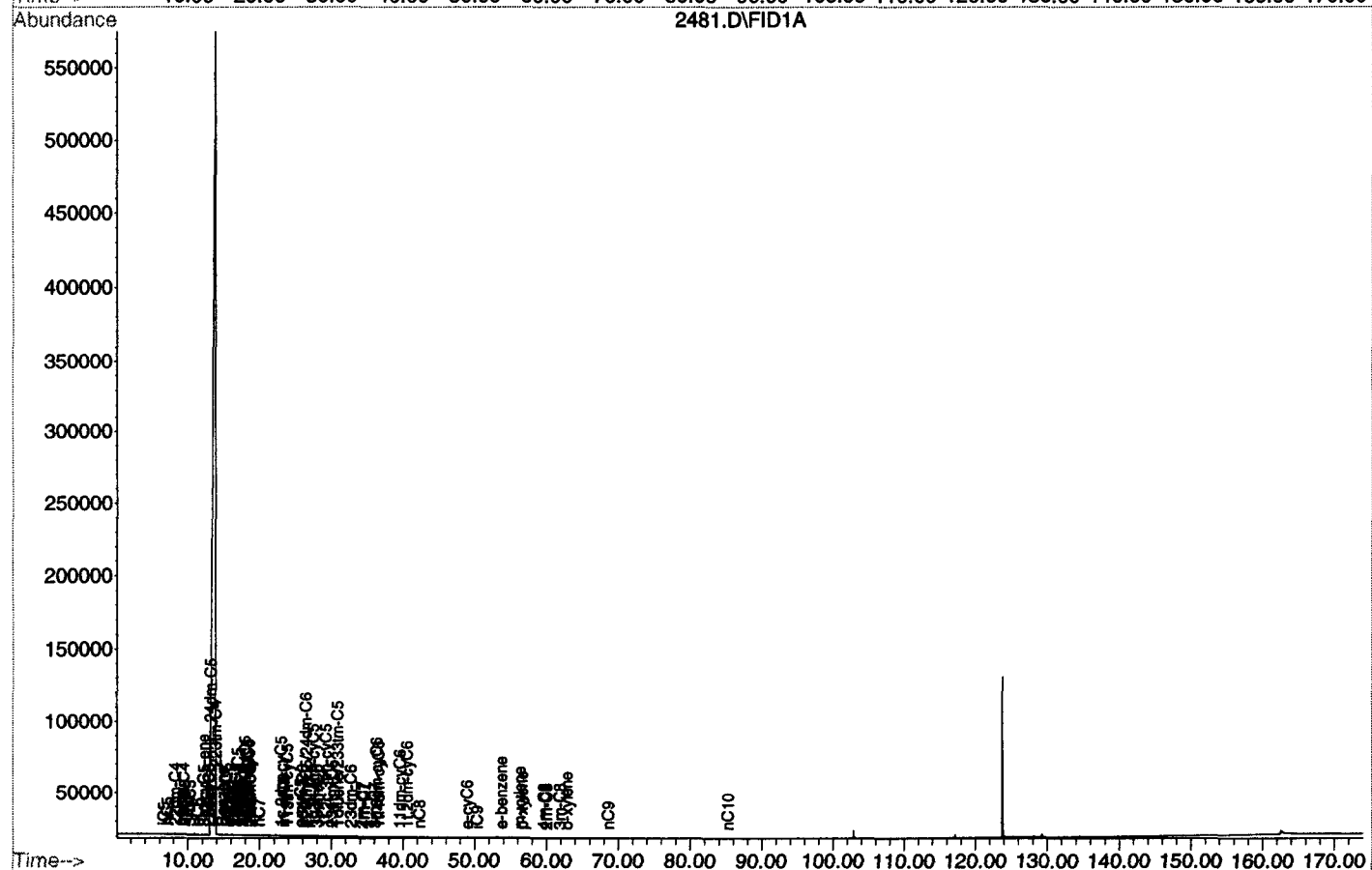
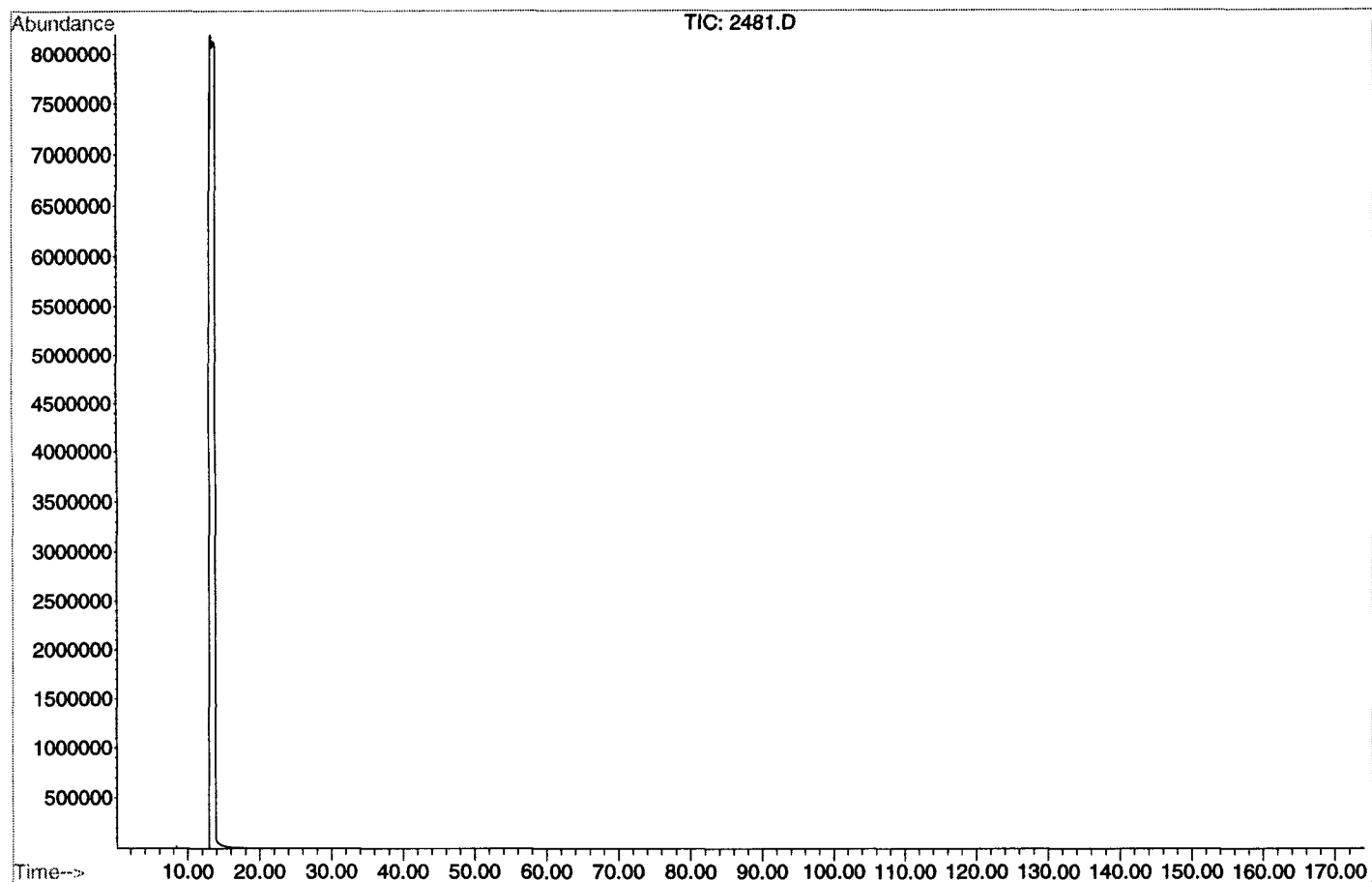
File : C:\HPCHEM\1\DATA\6305_9B\2479.D
 Operator : anne-karin
 Acquired : 31 Aug 2001 14:42 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2479M, COCH i CS2
 Misc Info :
 Vial Number: 5



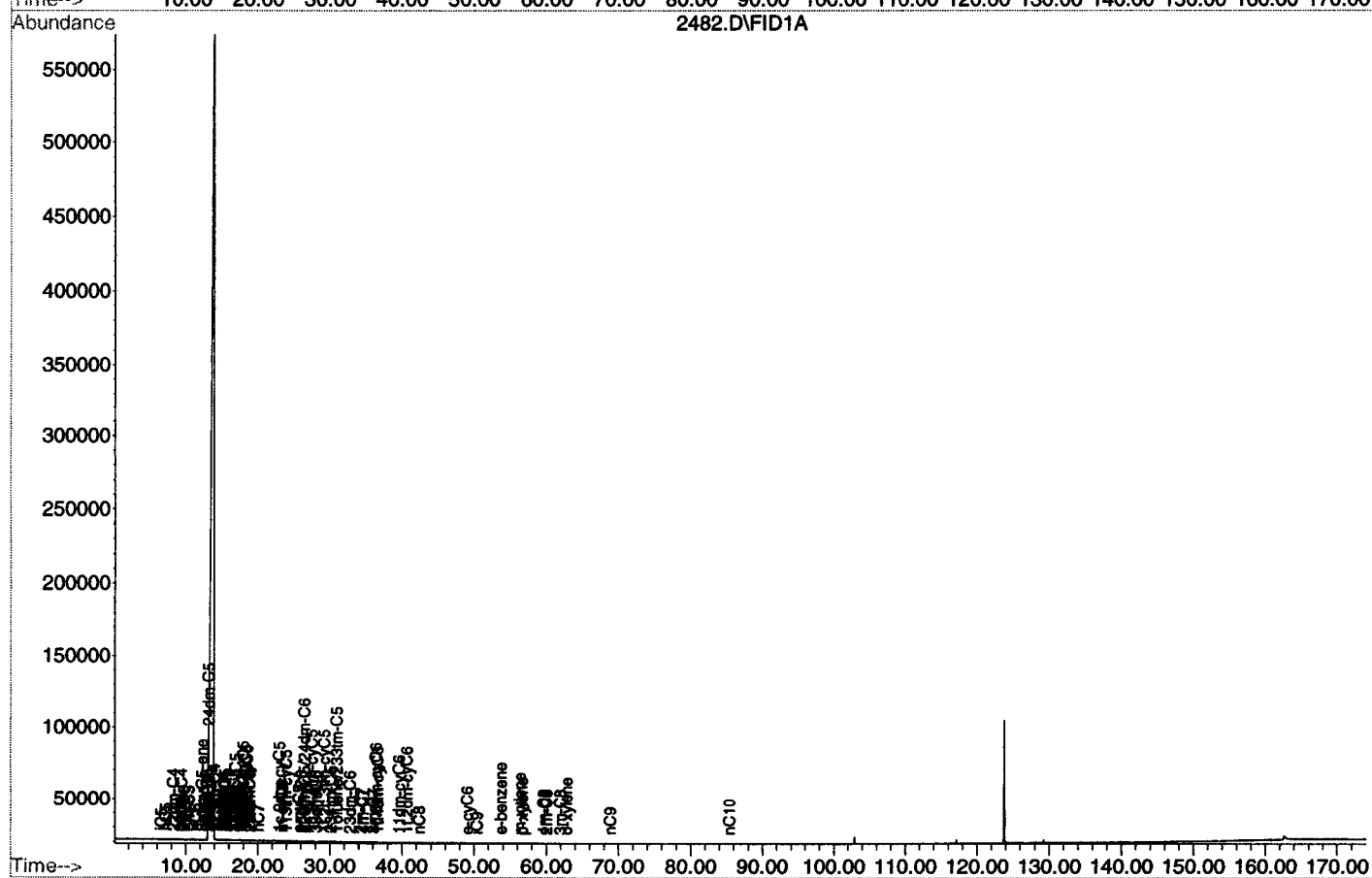
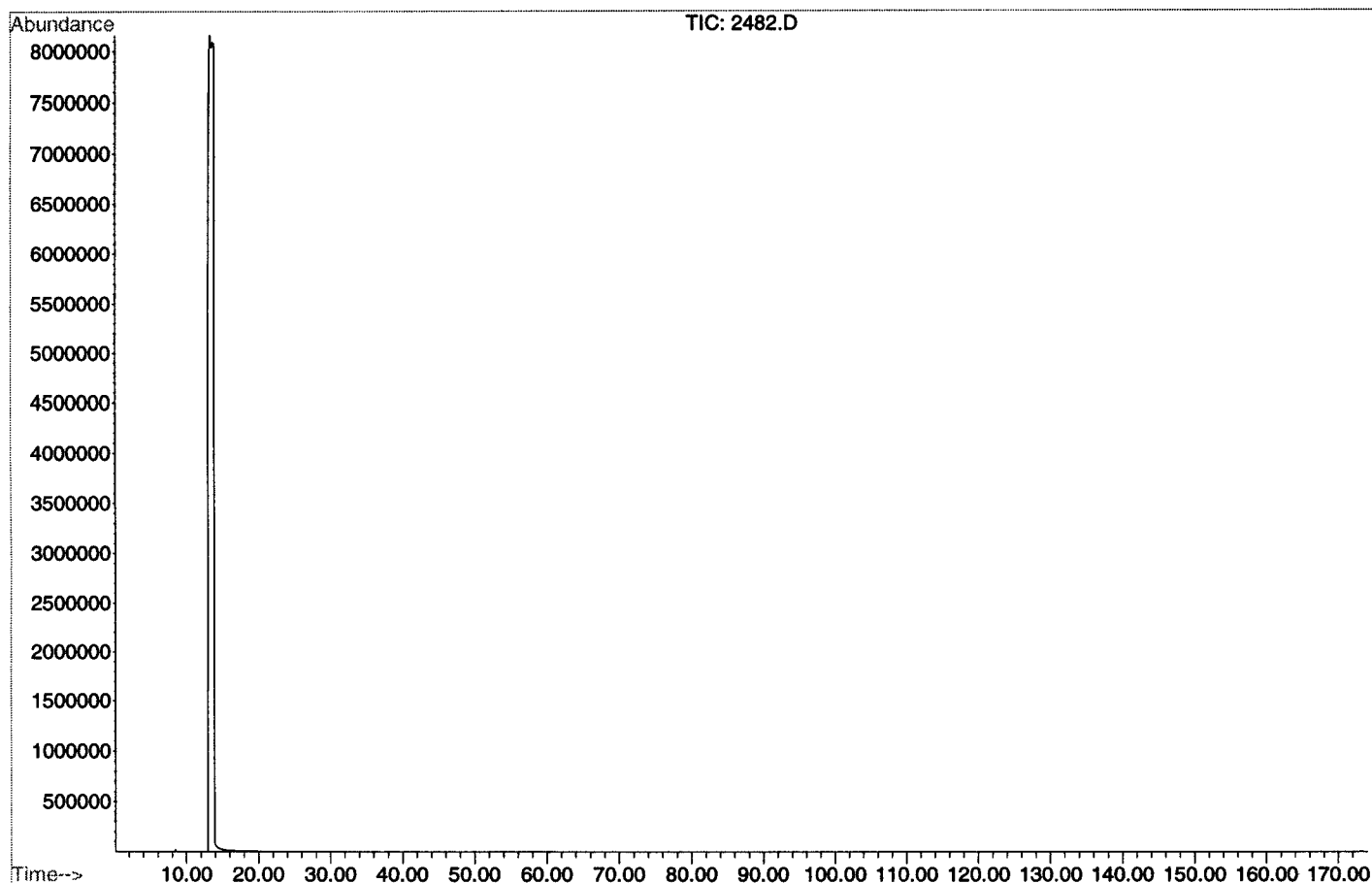
File : C:\HPCHEM\1\DATA\6305_9B\2480.D
 Operator : anne-karin
 Acquired : 31 Aug 2001 18:04 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2480M, COCH i CS2
 Misc Info :
 Vial Number: 6



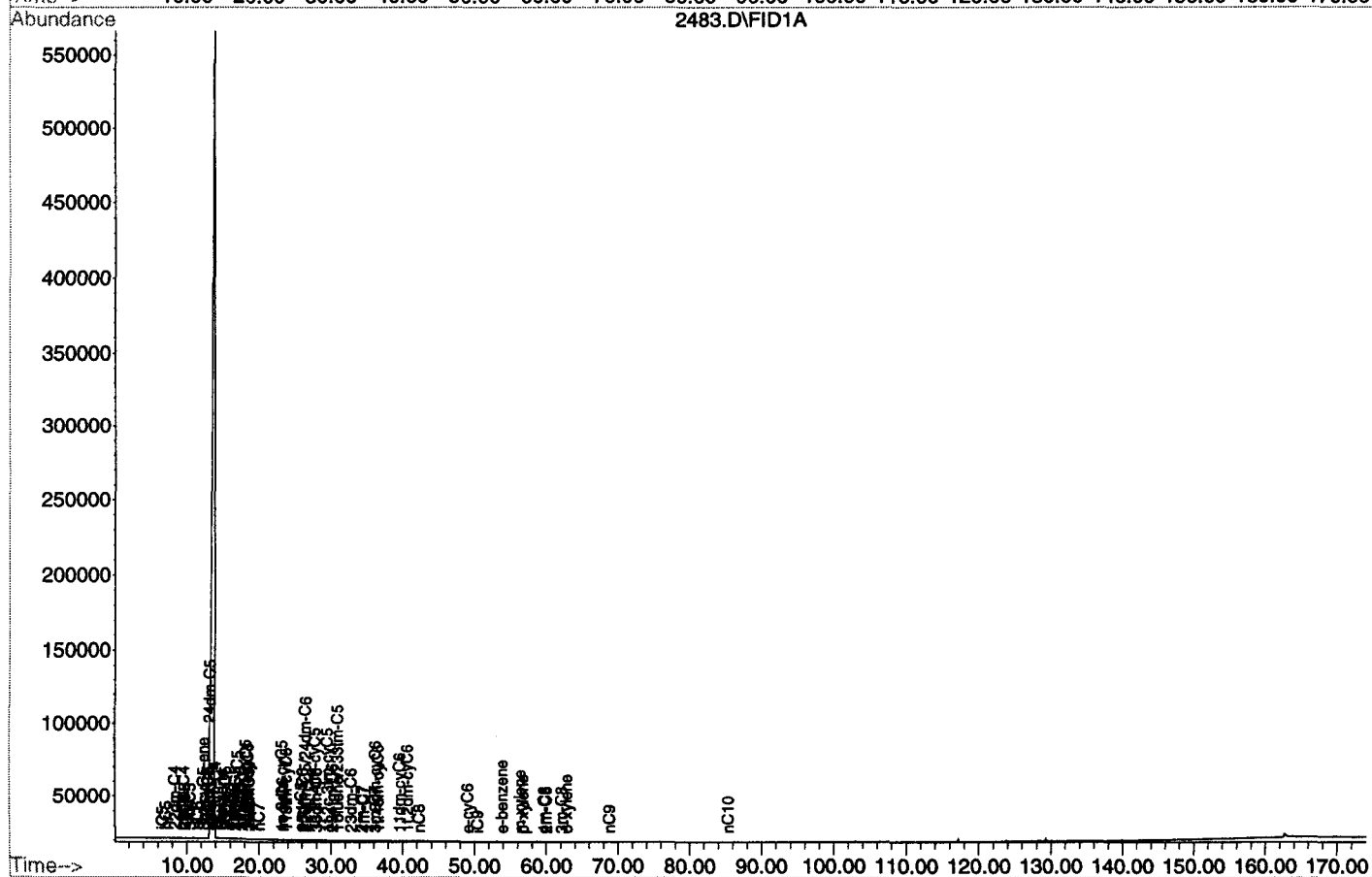
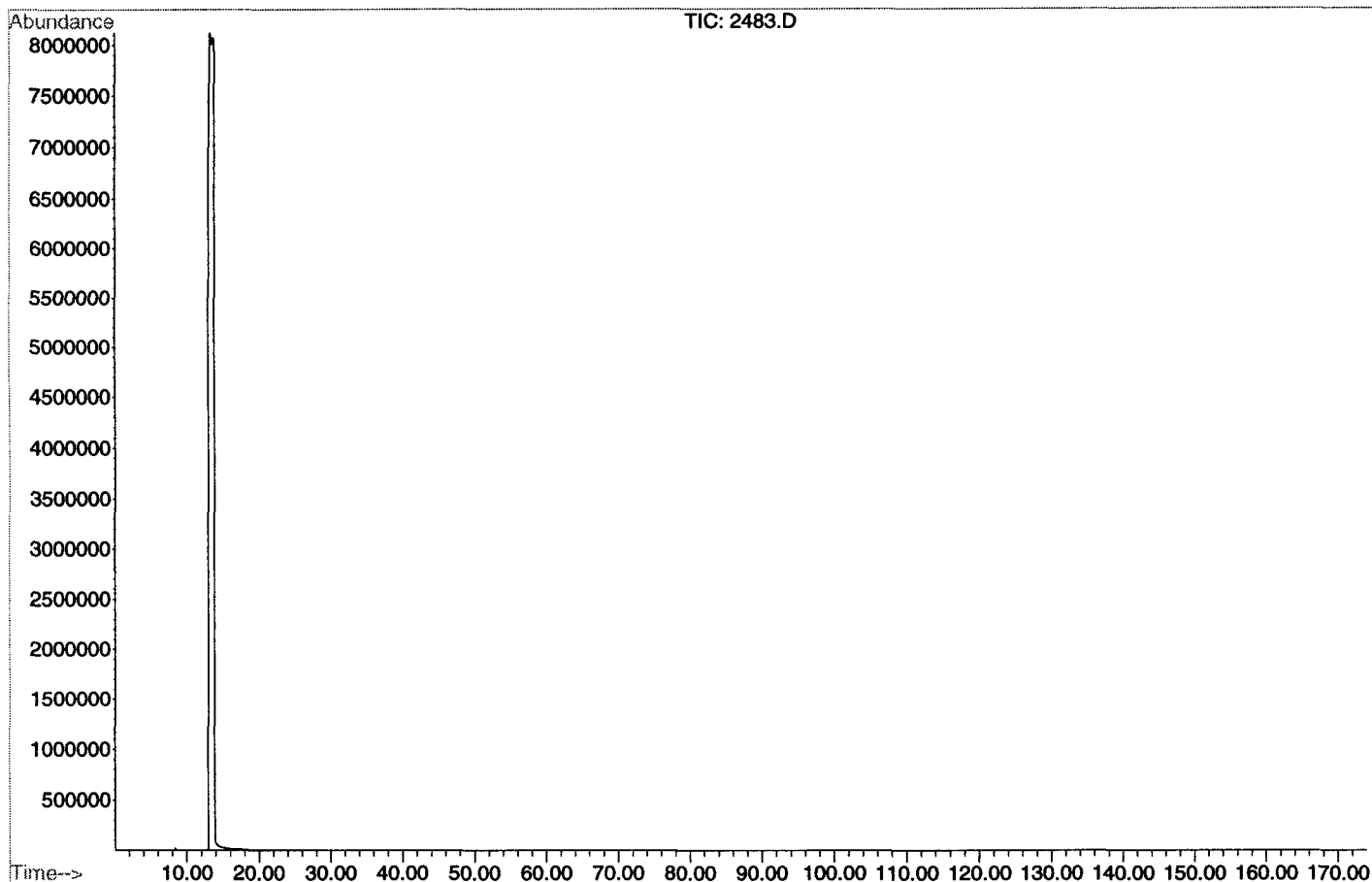
File : C:\HPCHEM\1\DATA\6305_9B\2481.D
 Operator : anne-karin
 Acquired : 31 Aug 2001 21:27 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2481m, COCH i CS2
 Misc Info :
 Vial Number: 7



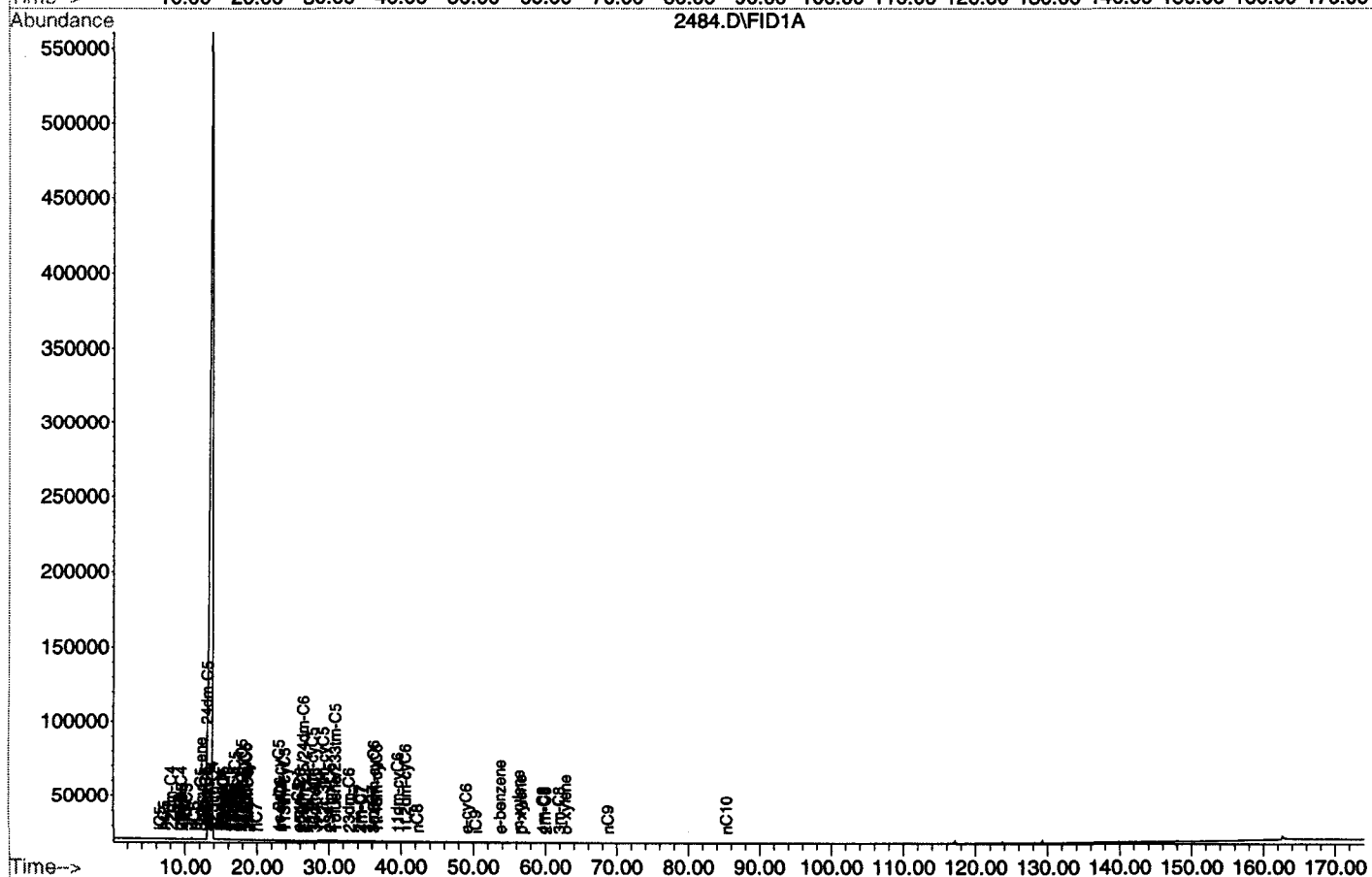
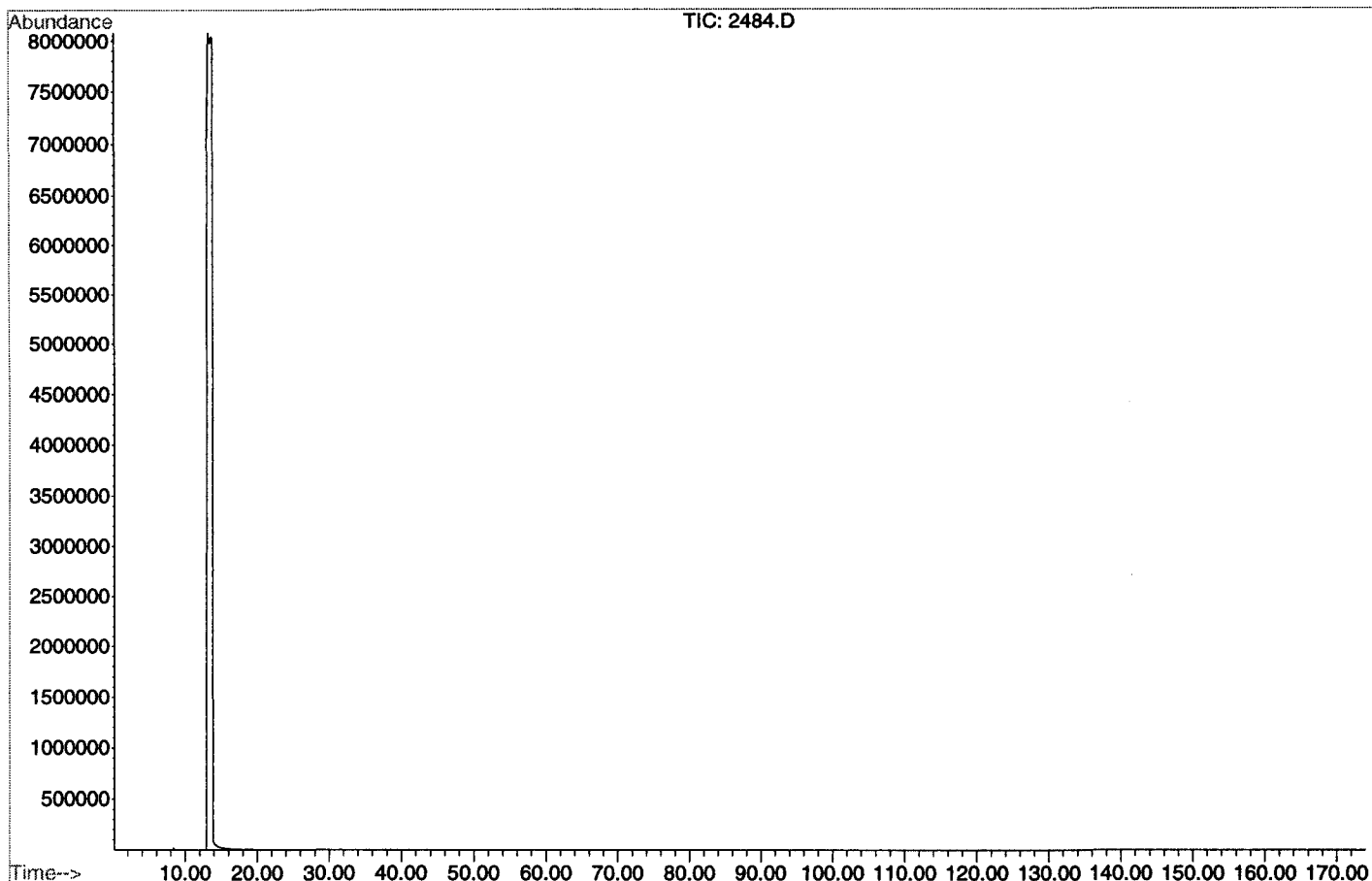
File : C:\HPCHEM\1\DATA\6305_9B\2482.D
Operator : anne-karin
Acquired : 1 Sep 2001 00:49 using AcqMethod C510_A
Instrument : LHC
Sample Name: 6305/9-1 2482M, COCH i CS2
Misc Info :
Vial Number: 8



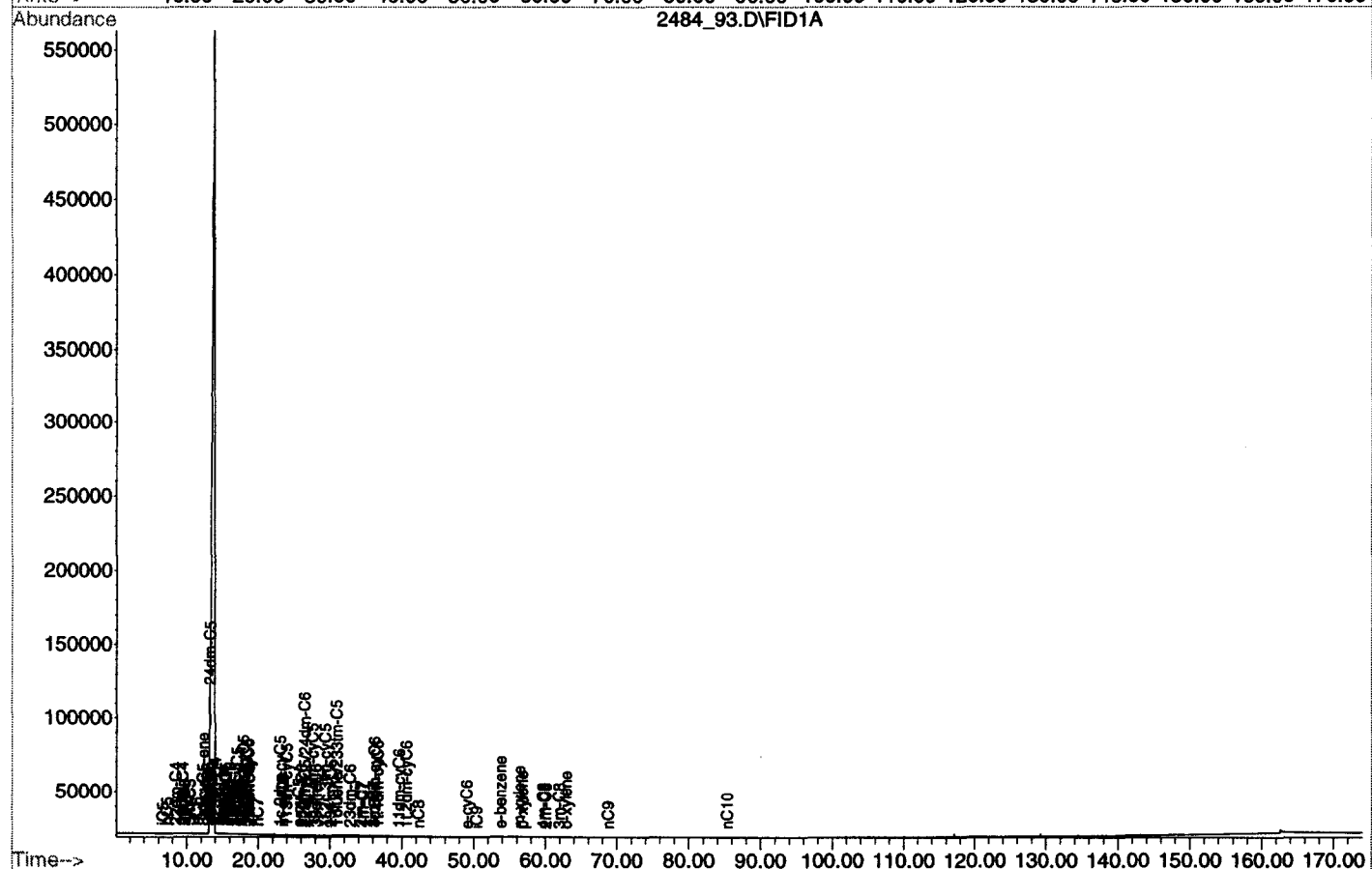
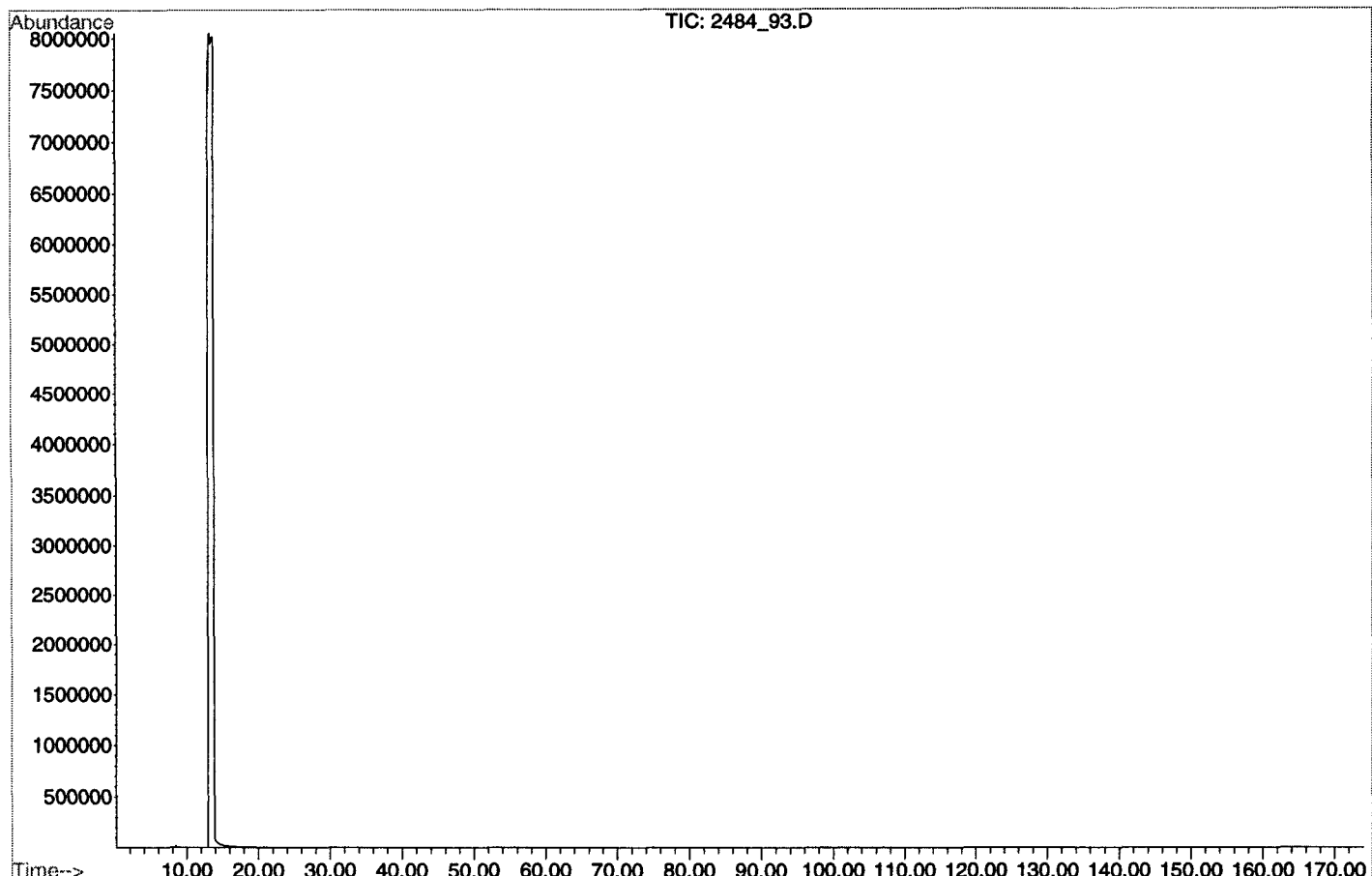
File : C:\HPCHEM\1\DATA\6305_9B\2483.D
 Operator : anne-karin
 Acquired : 1 Sep 2001 4:11 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2483m, COCH i CS2
 Misc Info :
 Vial Number: 9



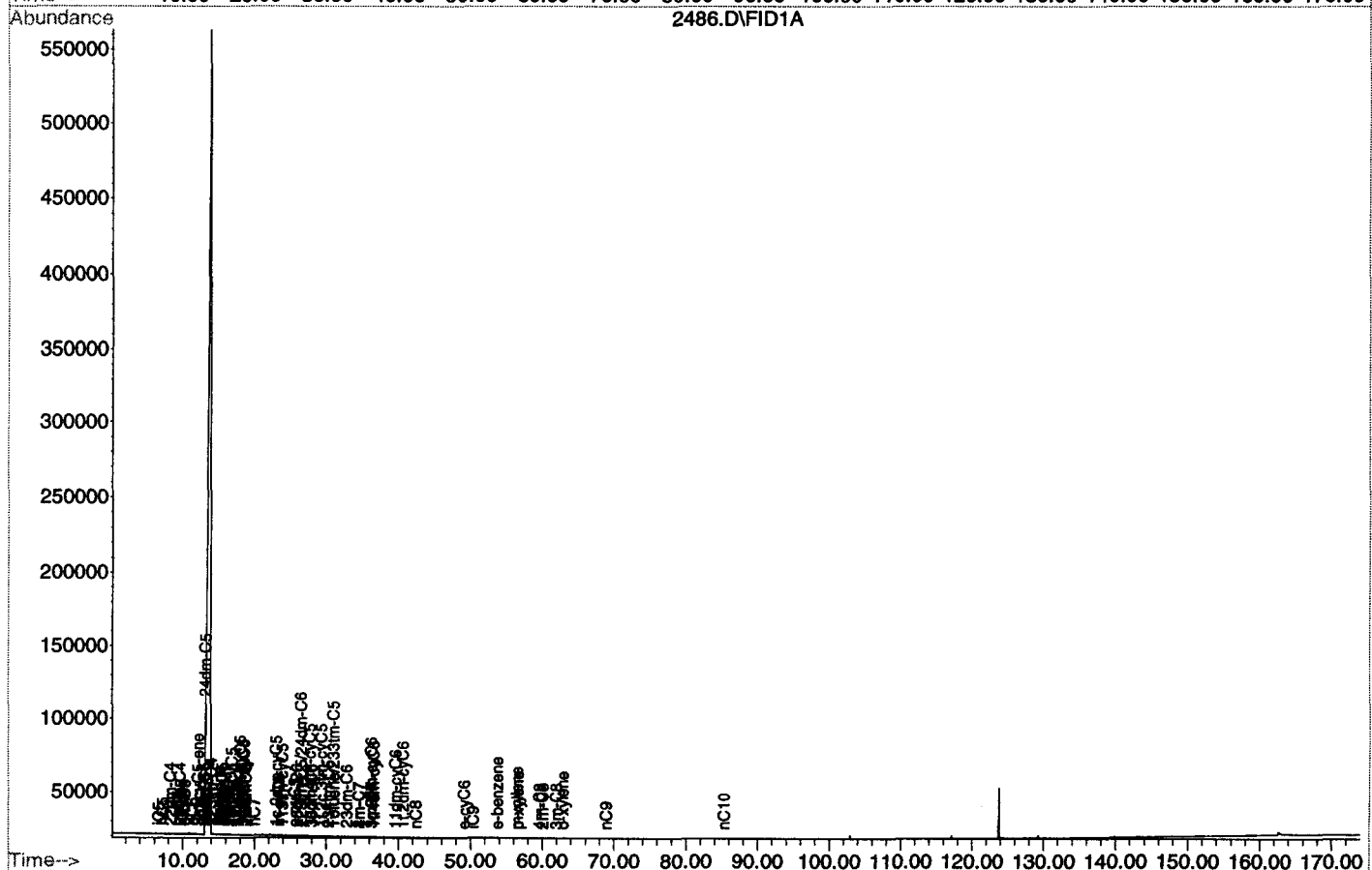
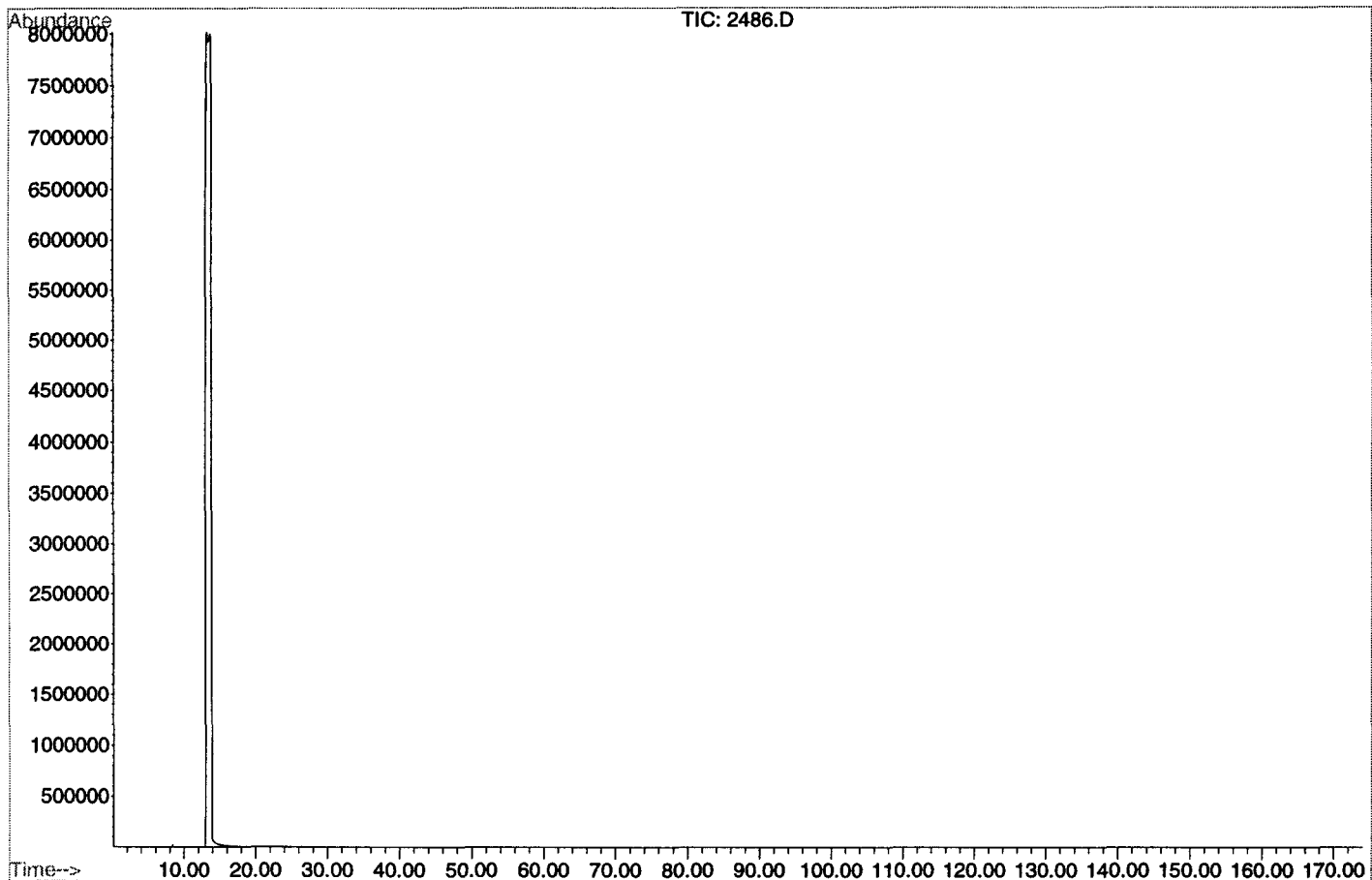
File : C:\HPCHEM\1\DATA\6305_9B\2484.D
 Operator : anne-karin
 Acquired : 1 Sep 2001 7:33 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2484M, COCH i CS2
 Misc Info :
 Vial Number: 10



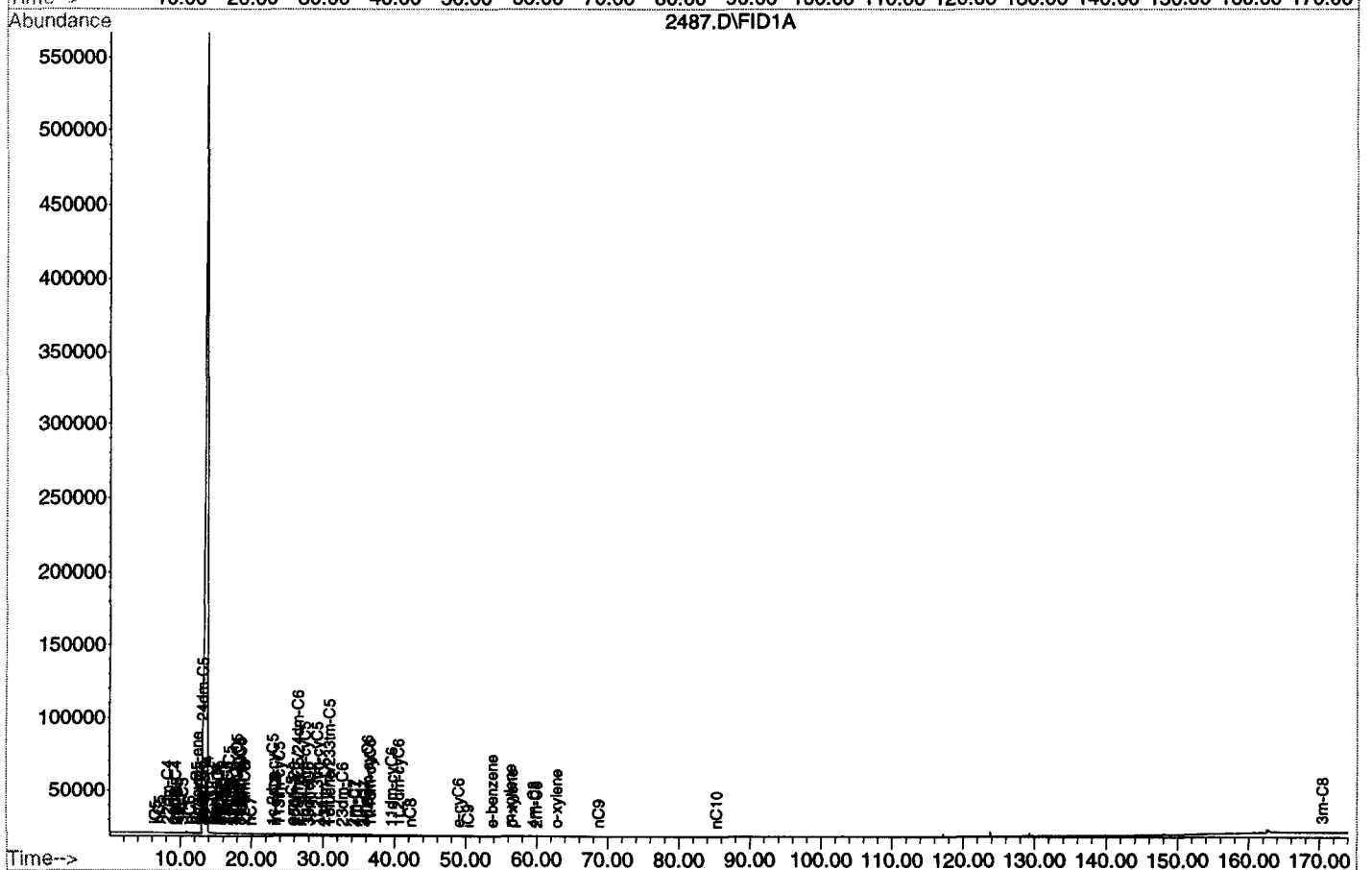
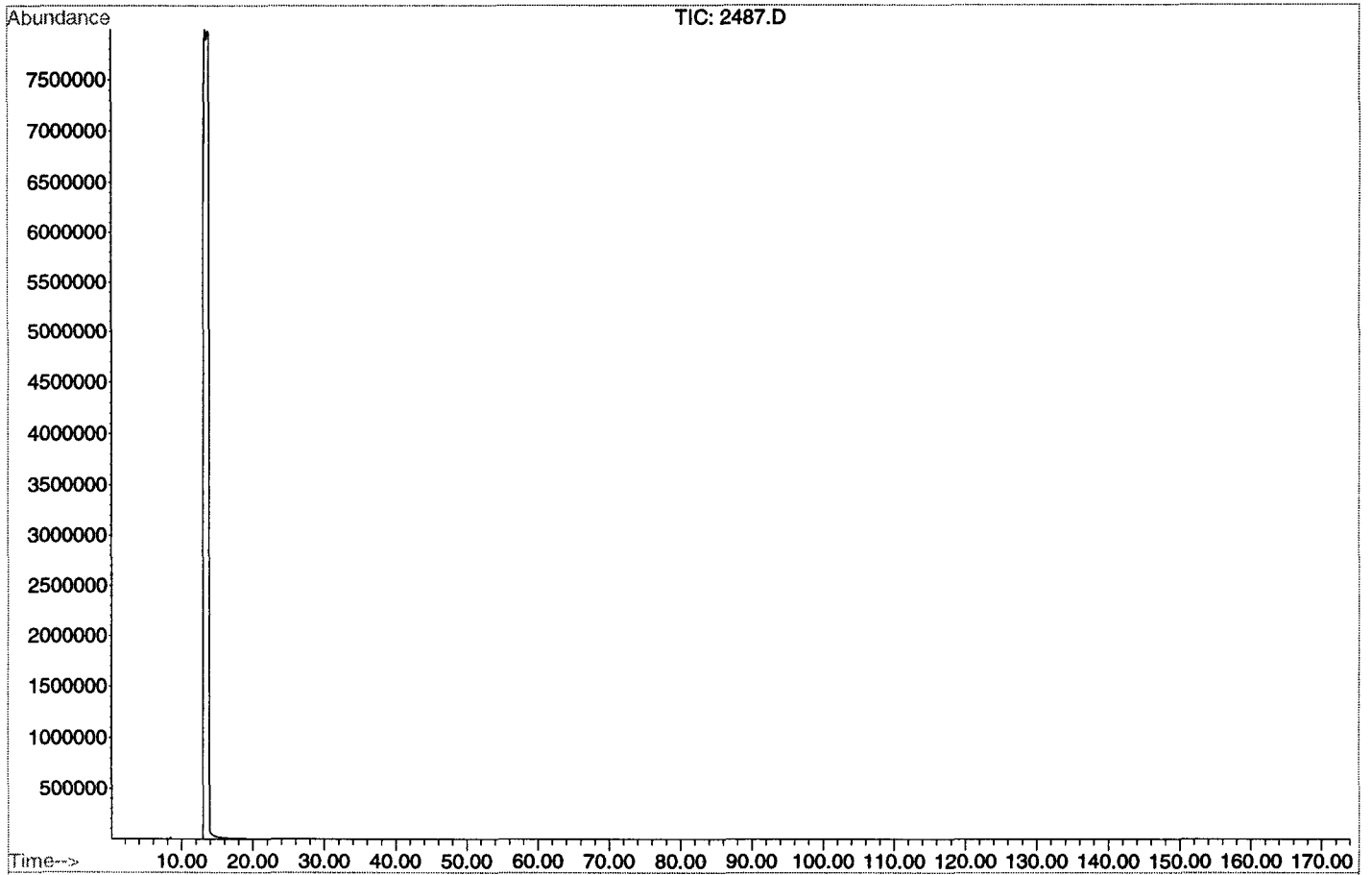
File : C:\HPCHEM\1\DATA\6305_9B\2484_93.D
 Operator : anne-karin
 Acquired : 1 Sep 2001 10:55 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2484.93m, COCH i CS2
 Misc Info :
 Vial Number: 11



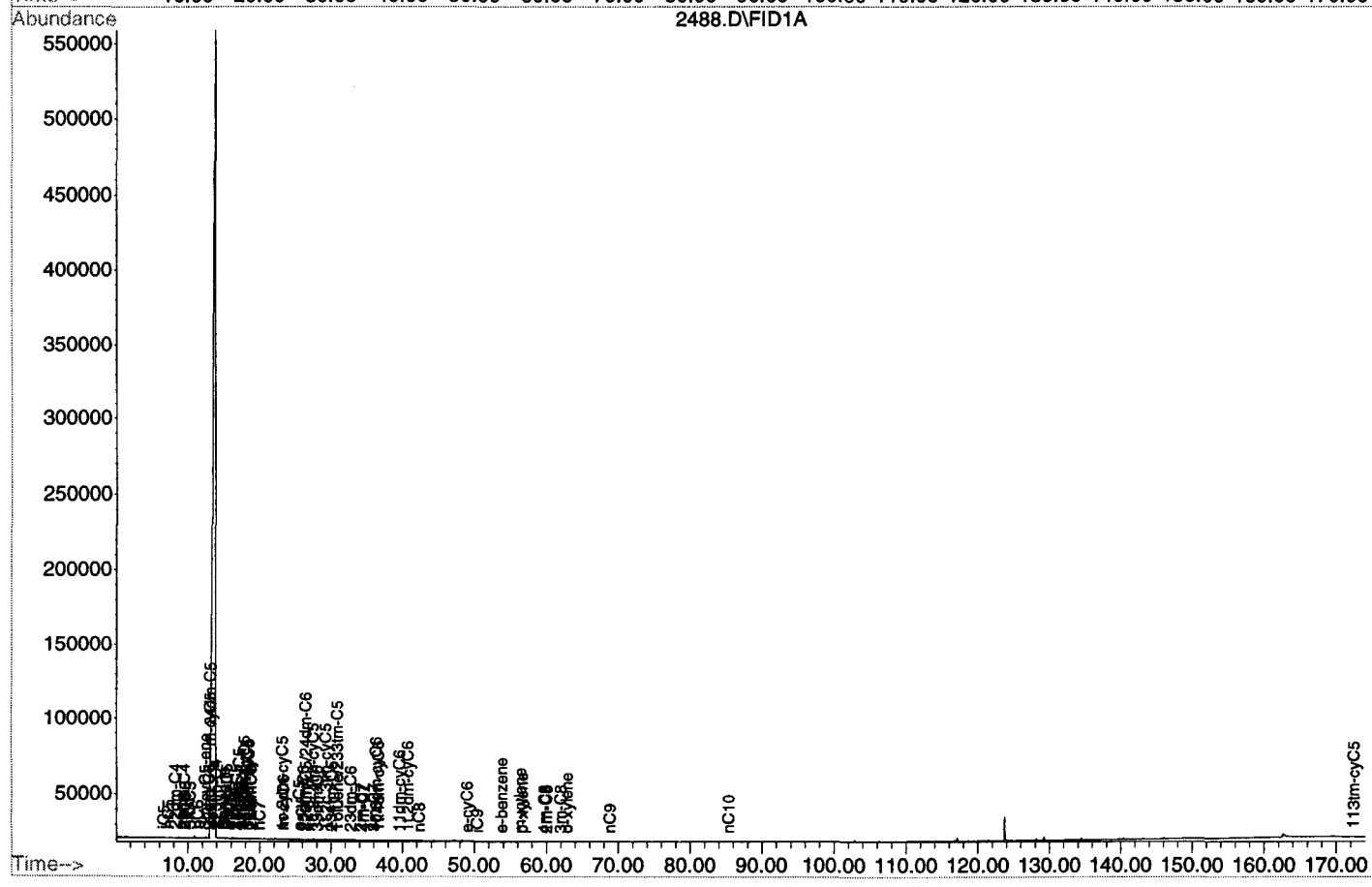
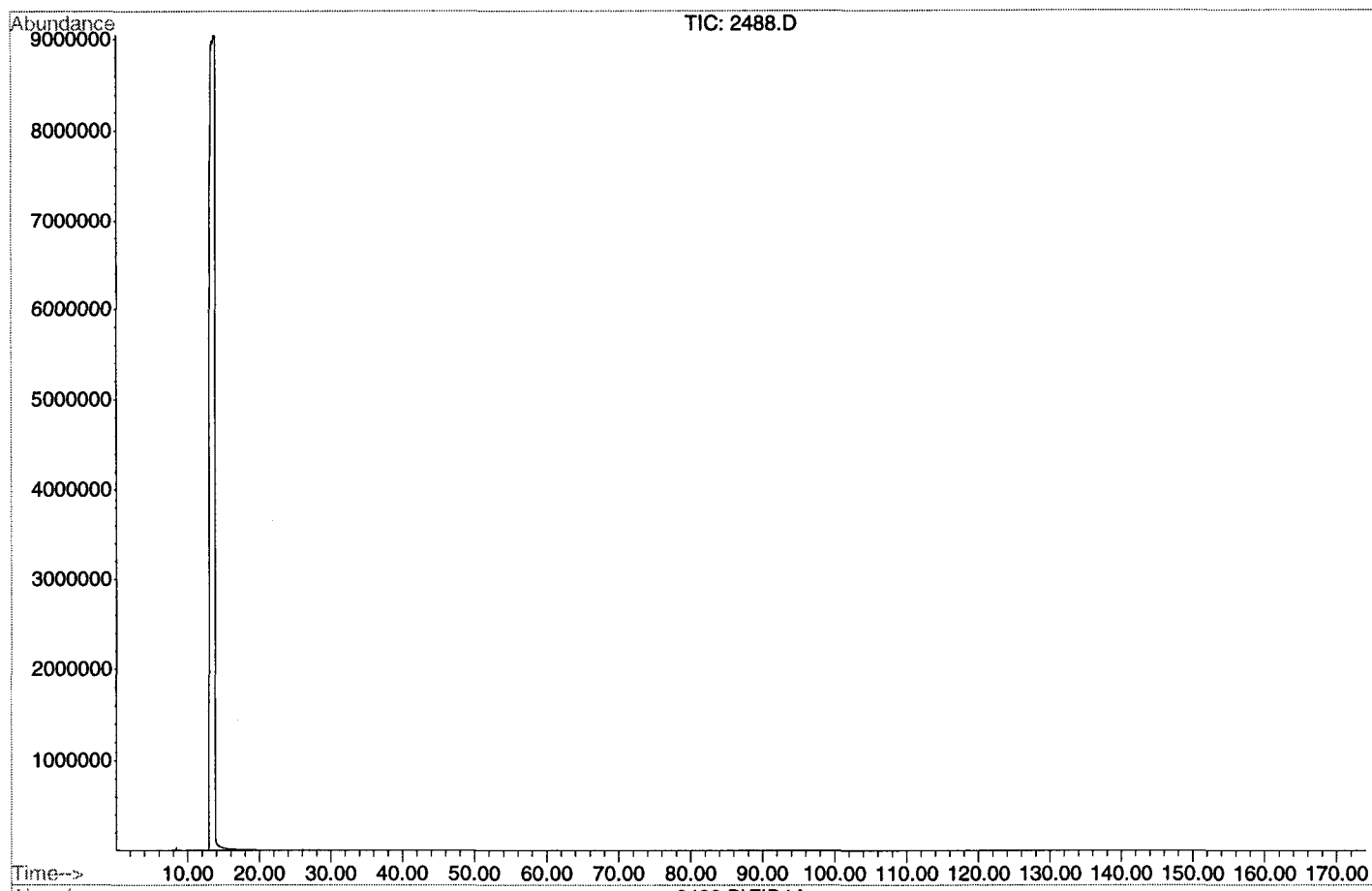
File : C:\HPCHEM\1\DATA\6305_9B\2486.D
Operator : anne-karin
Acquired : 1 Sep 2001 14:18 using AcqMethod C510_A
Instrument : LHC
Sample Name: 6305/9-1 2486m, COCH i CS2
Misc Info :
Vial Number: 12



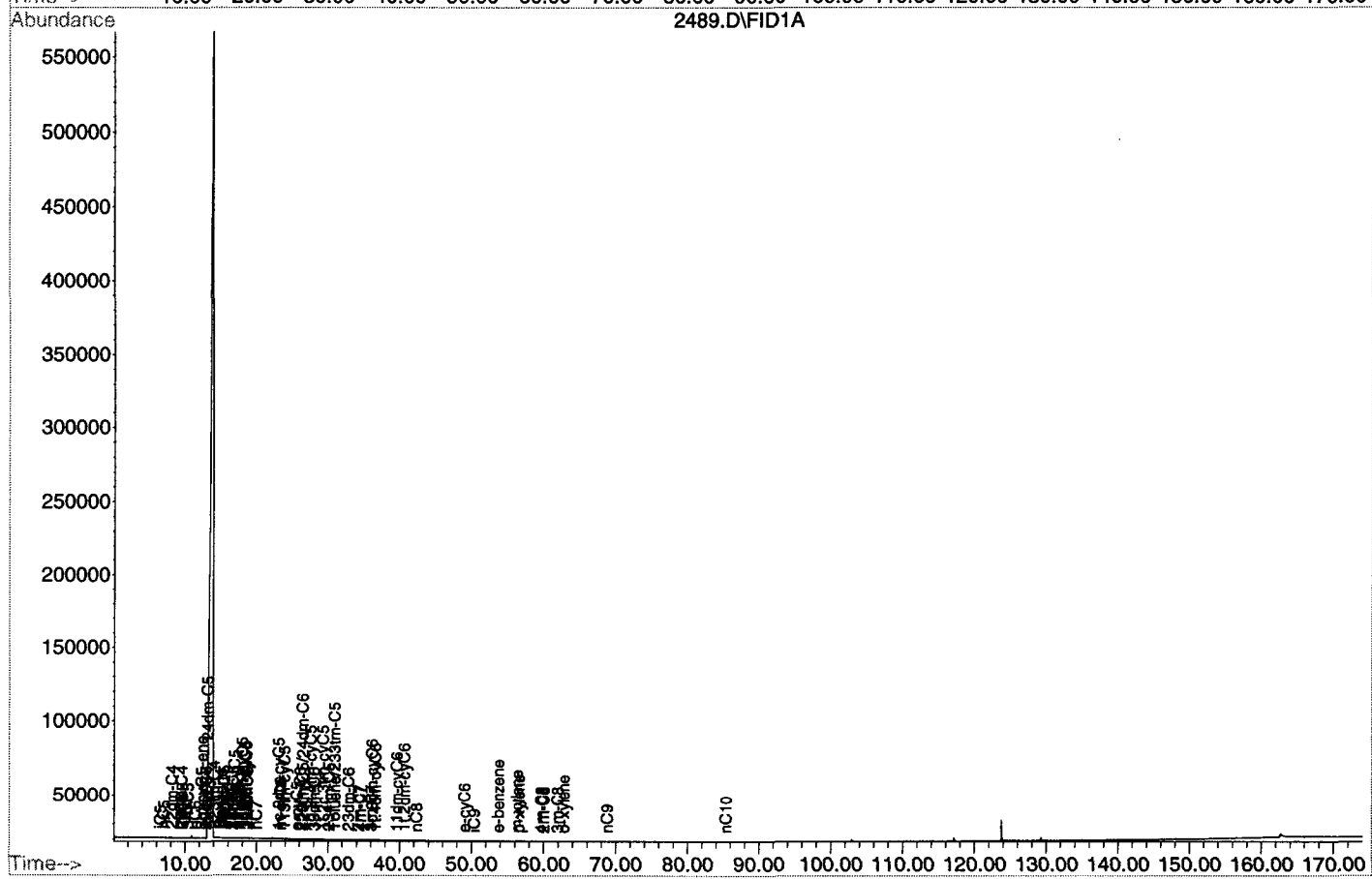
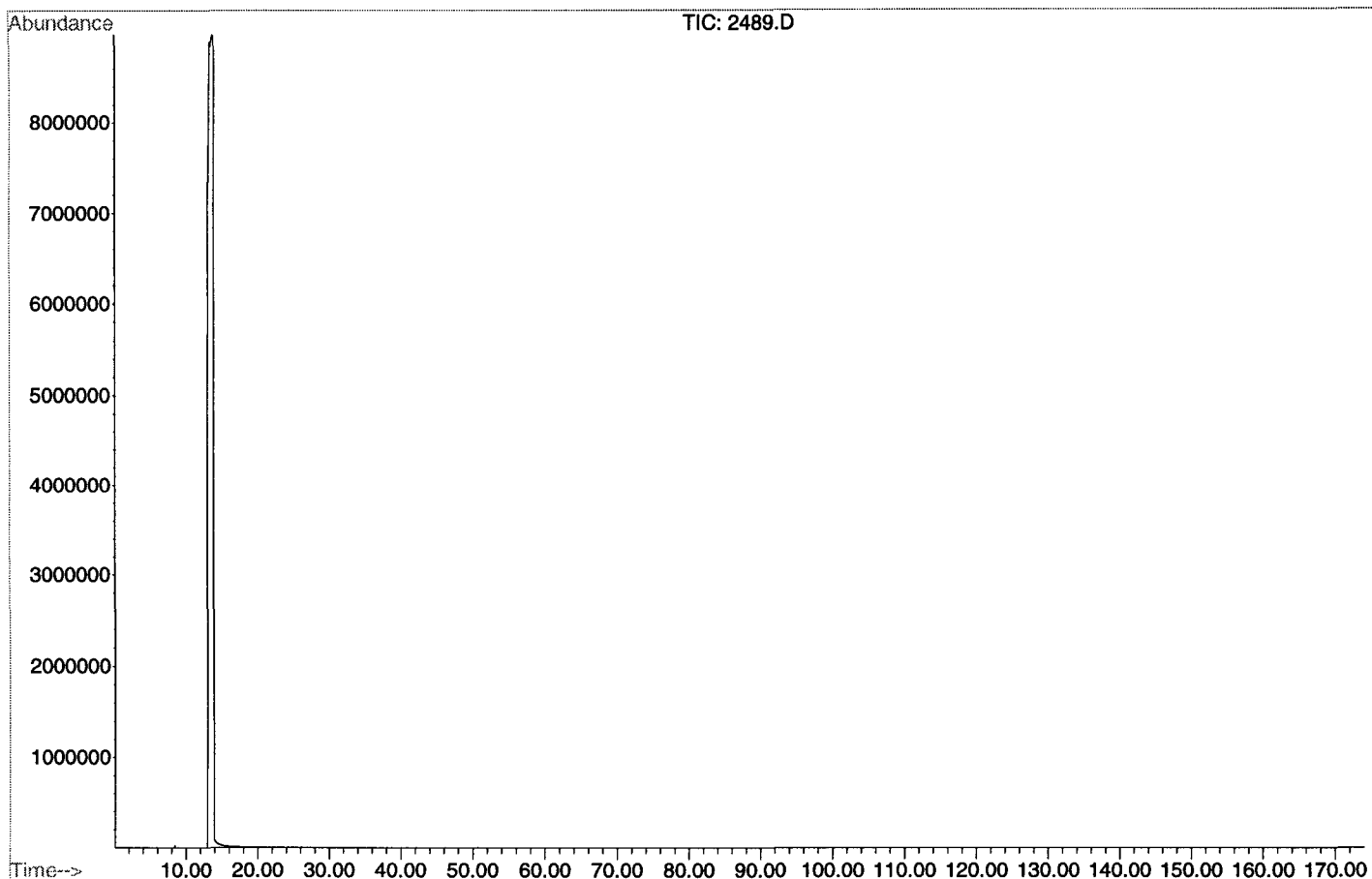
File : C:\HPCHEM\1\DATA\6305_9B\2487.D
 Operator : anne-karin
 Acquired : 1 Sep 2001 17:40 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2487M, COCH i CS2
 Misc Info :
 Vial Number: 13



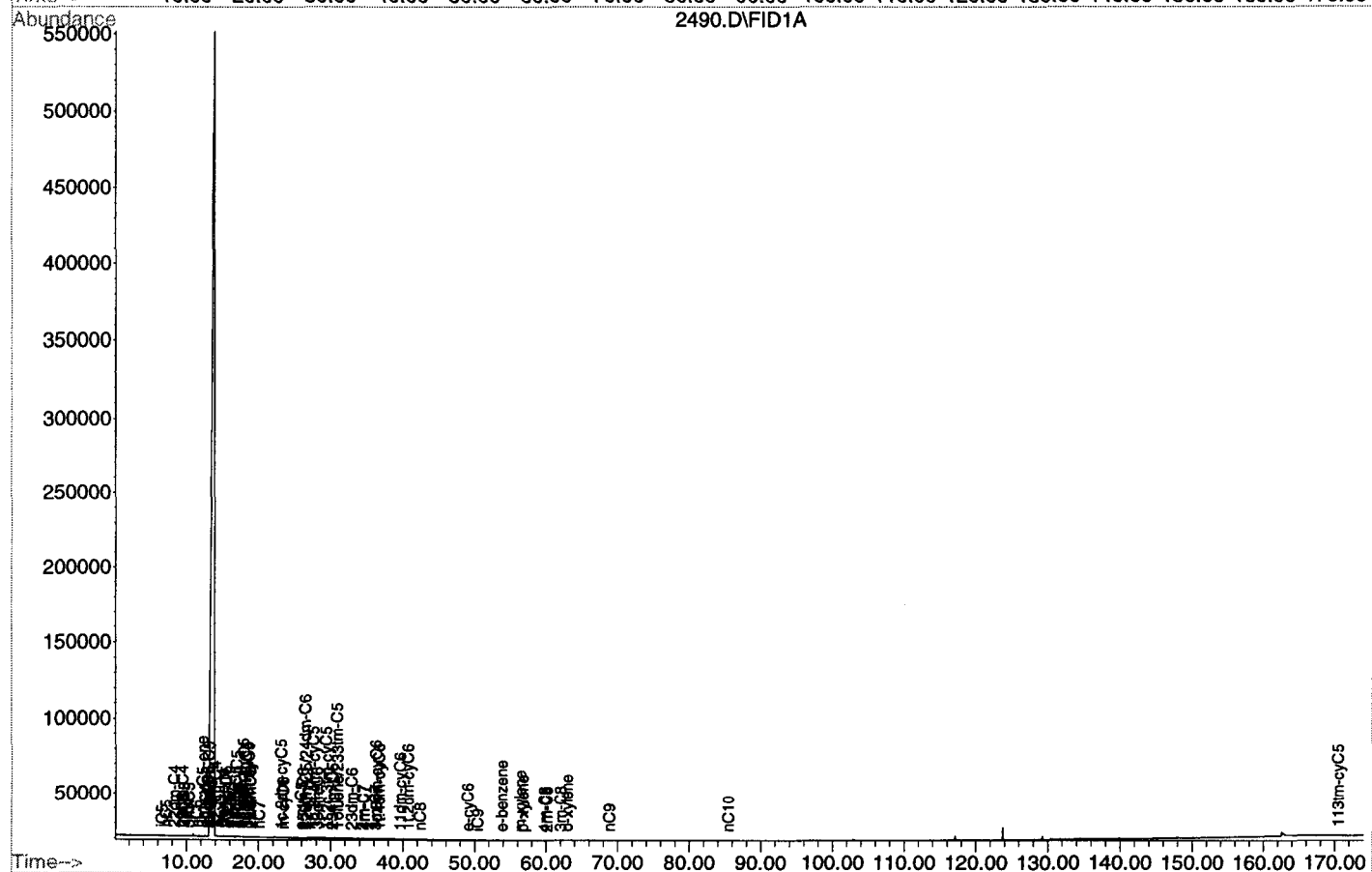
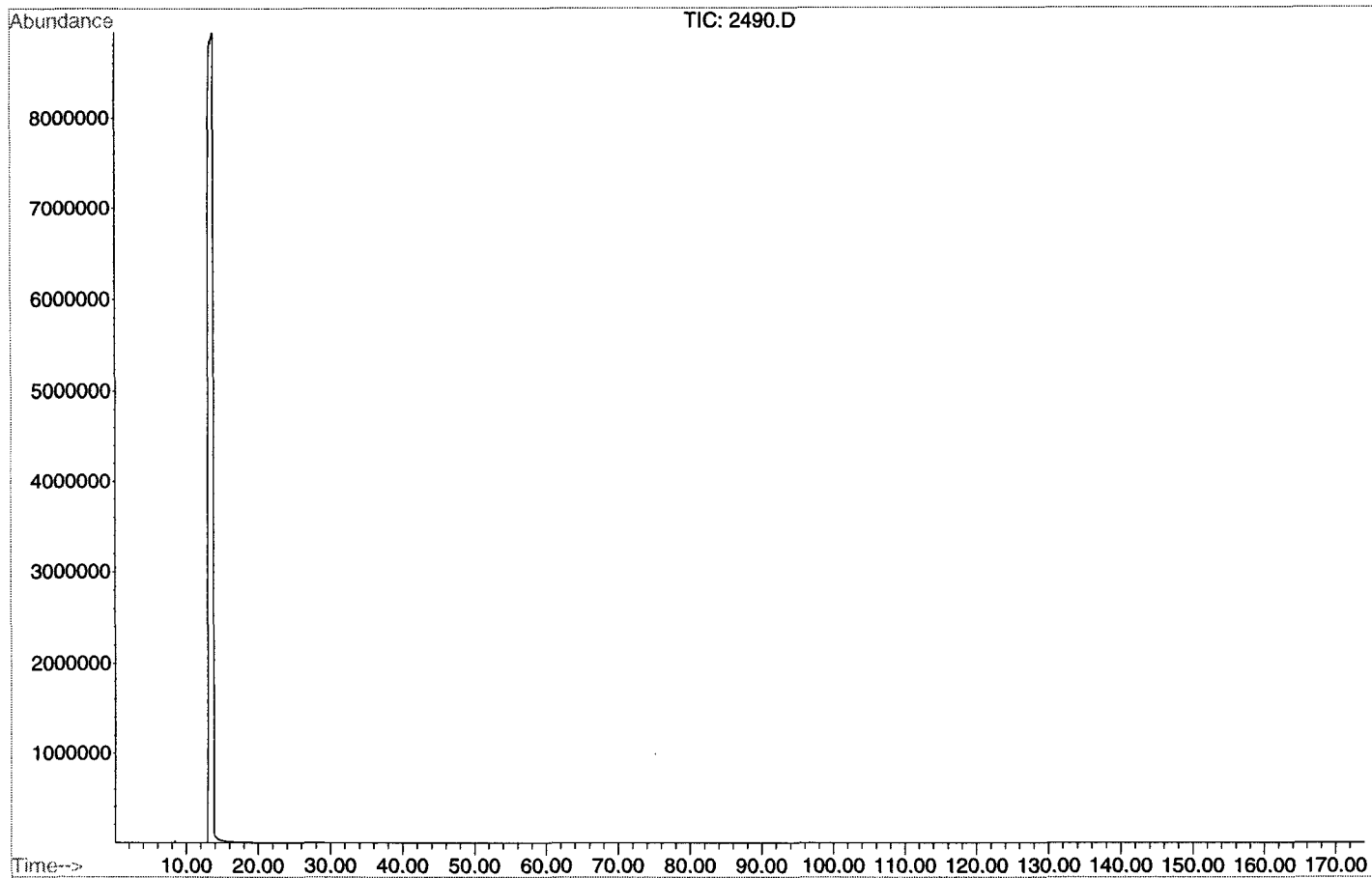
File : C:\HPCHEM\1\DATA\6305_9C\2488.D
 Operator : anne-karin
 Acquired : 3 Sep 2001 17:00 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2488M, COCH i CS2
 Misc Info :
 Vial Number: 3



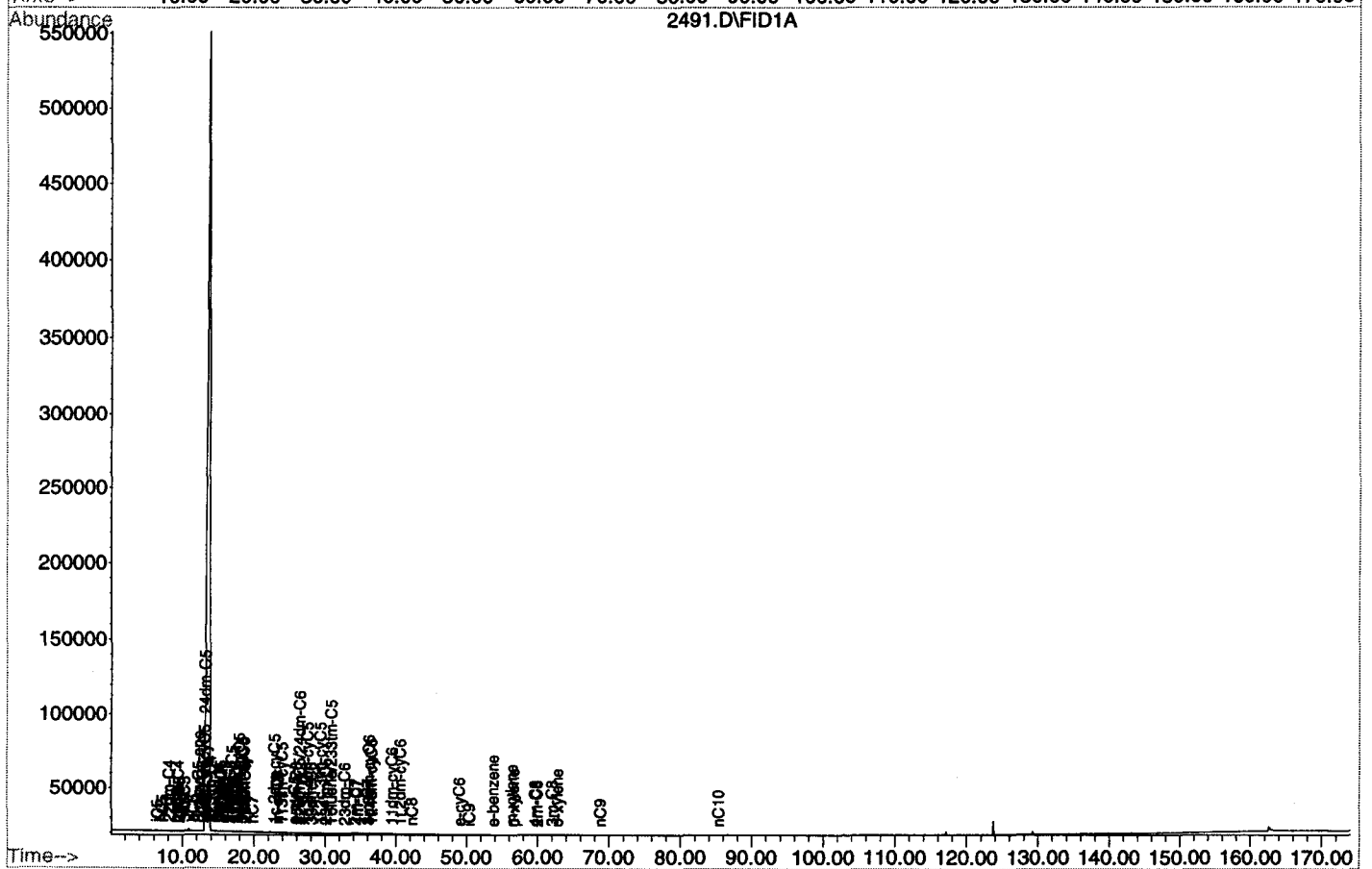
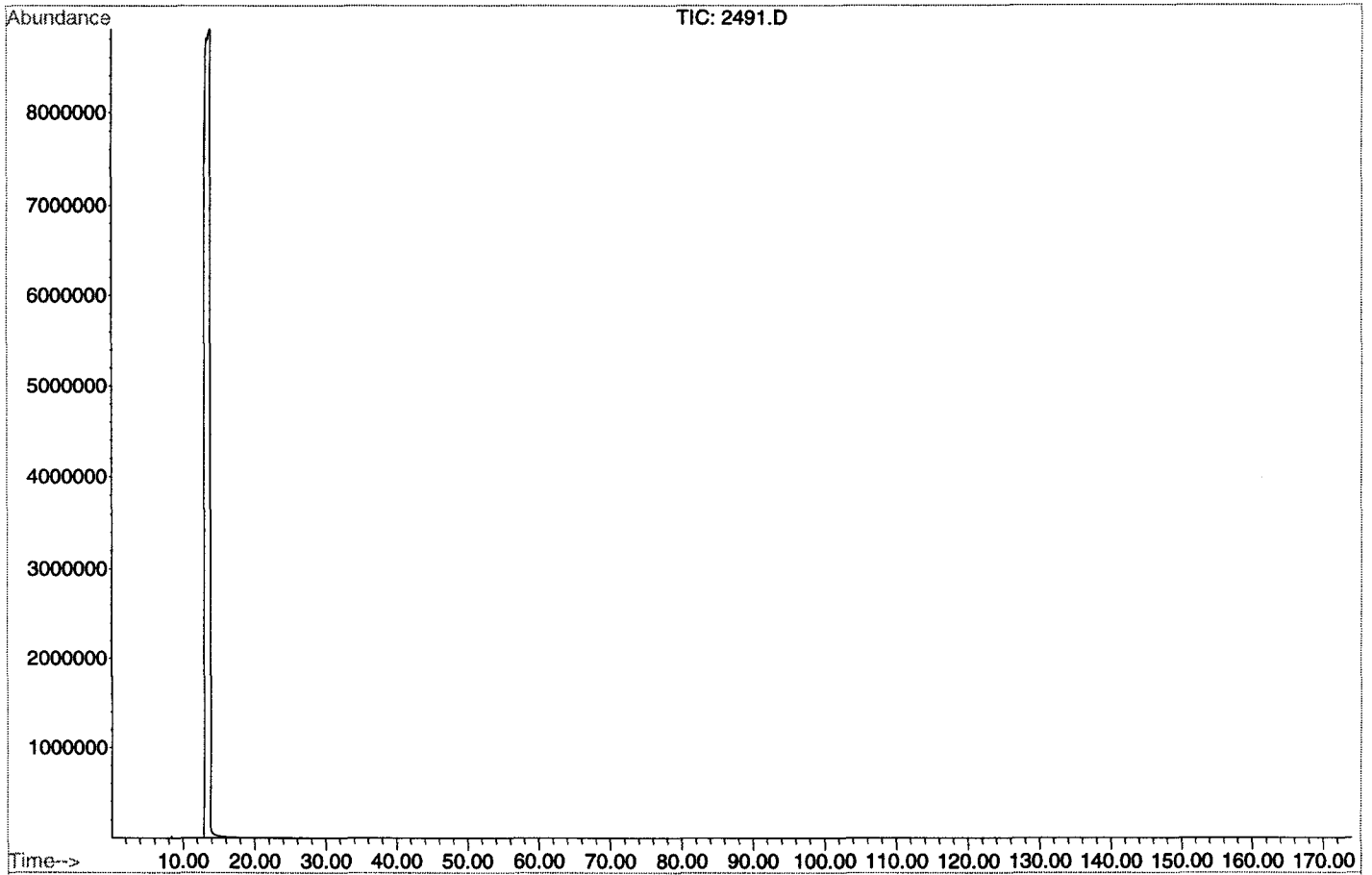
File : C:\HPCHEM\1\DATA\6305_9C\2489.D
 Operator : anne-karin
 Acquired : 3 Sep 2001 20:22 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2489M, COCH i CS2
 Misc Info :
 Vial Number: 4



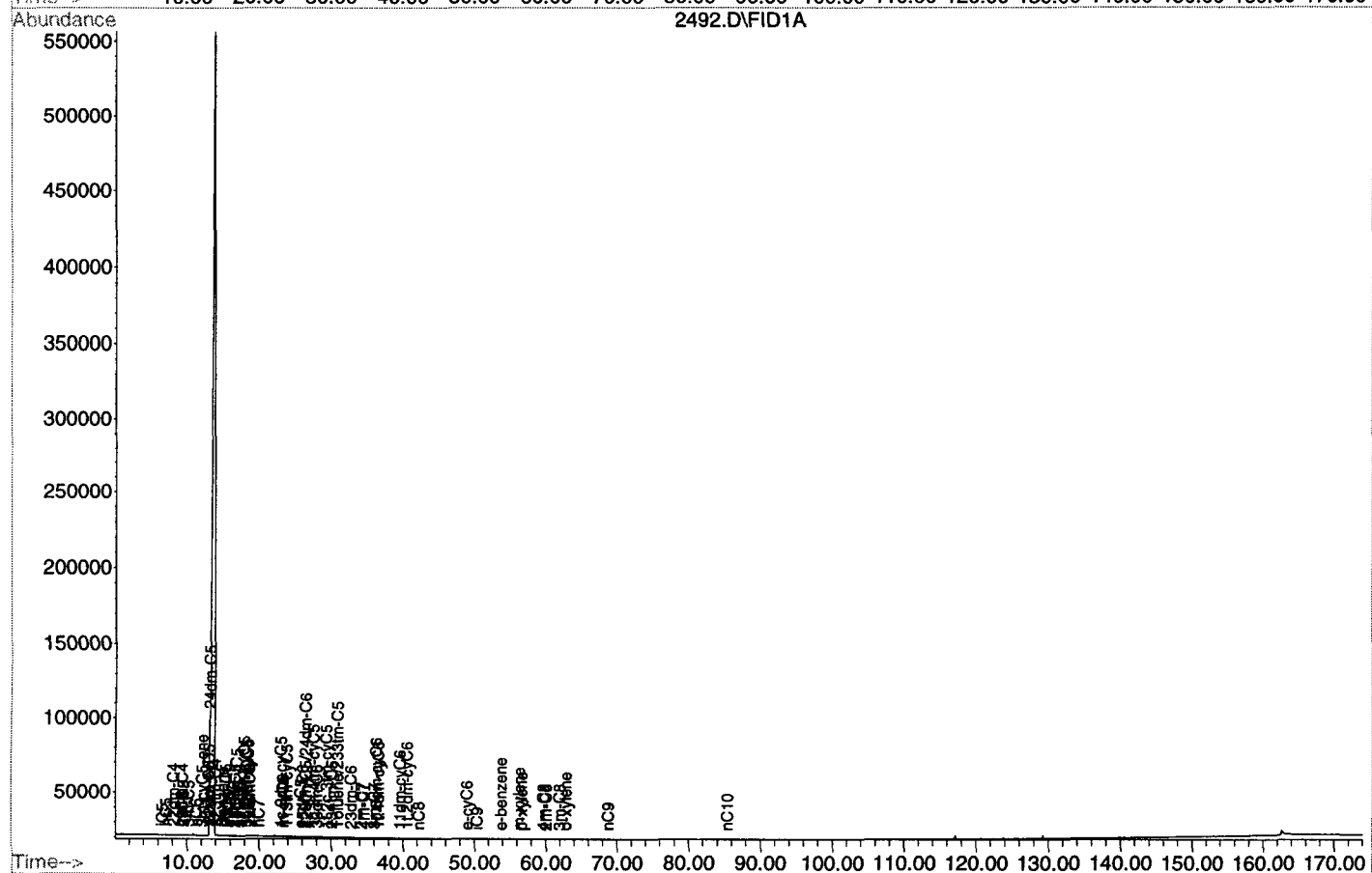
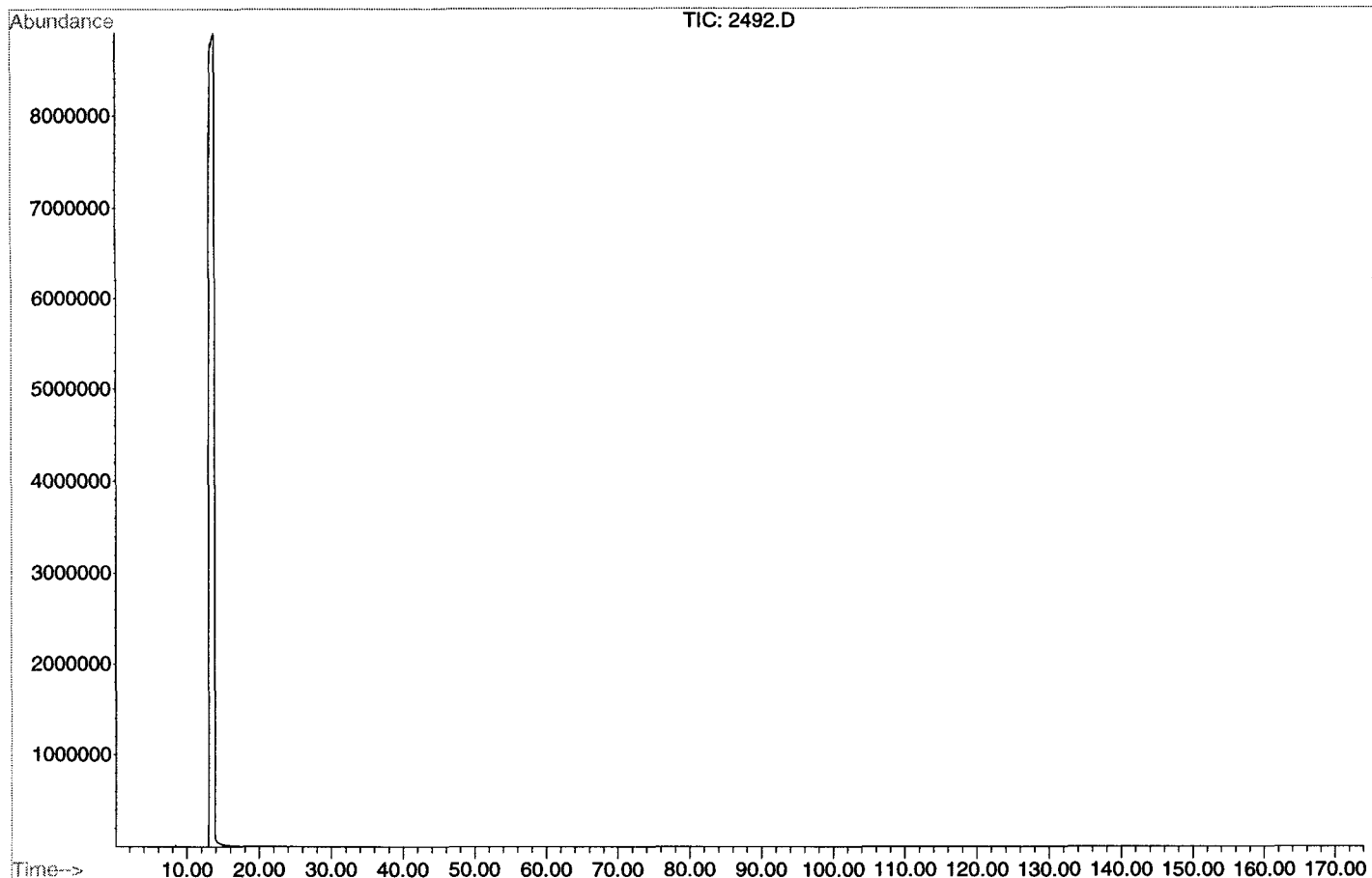
File : C:\HPCHEM\1\DATA\6305_9C\2490.D
 Operator : anne-karin
 Acquired : 3 Sep 2001 23:45 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2490m, COCH i CS2
 Misc Info :
 Vial Number: 5



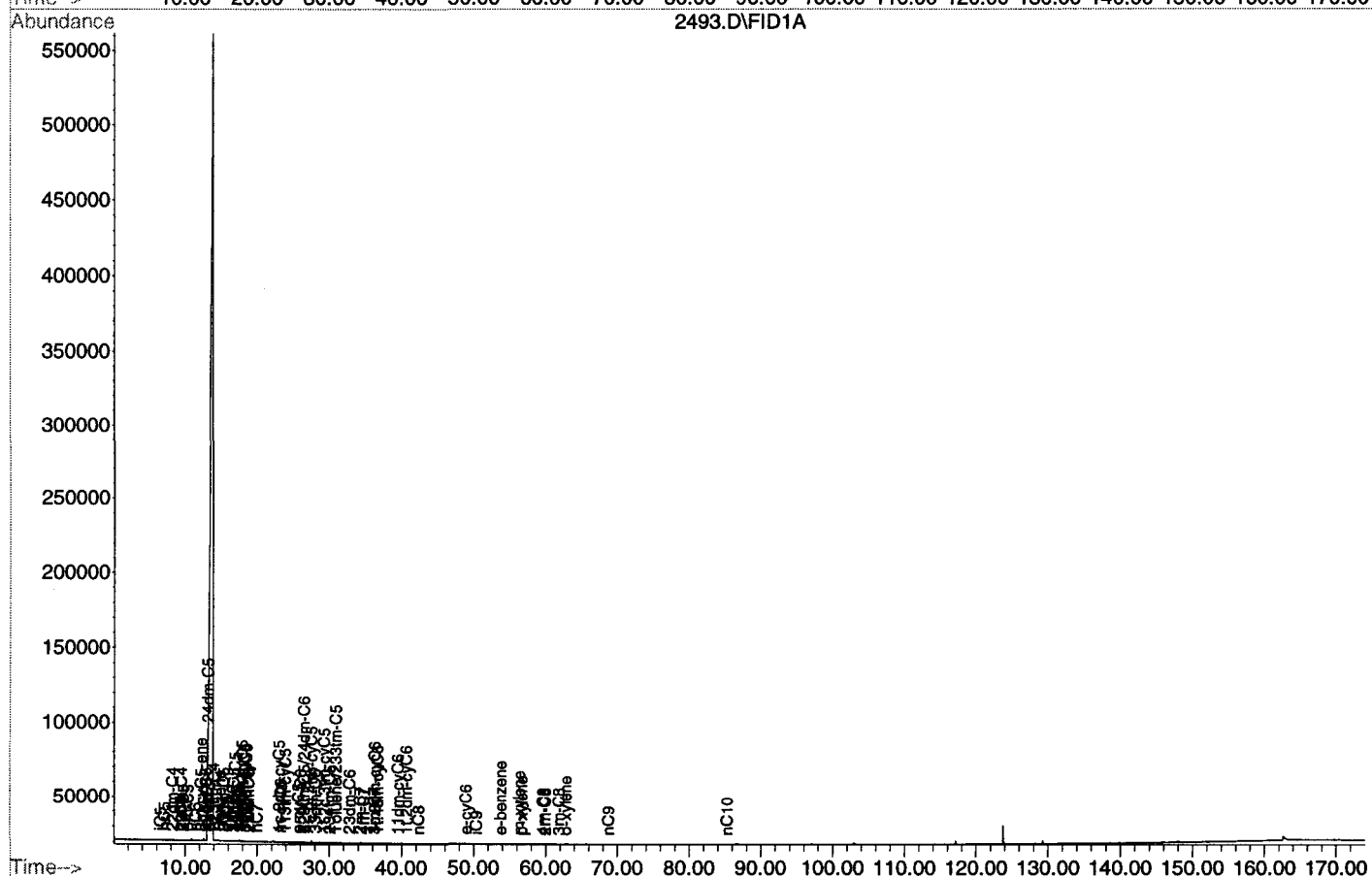
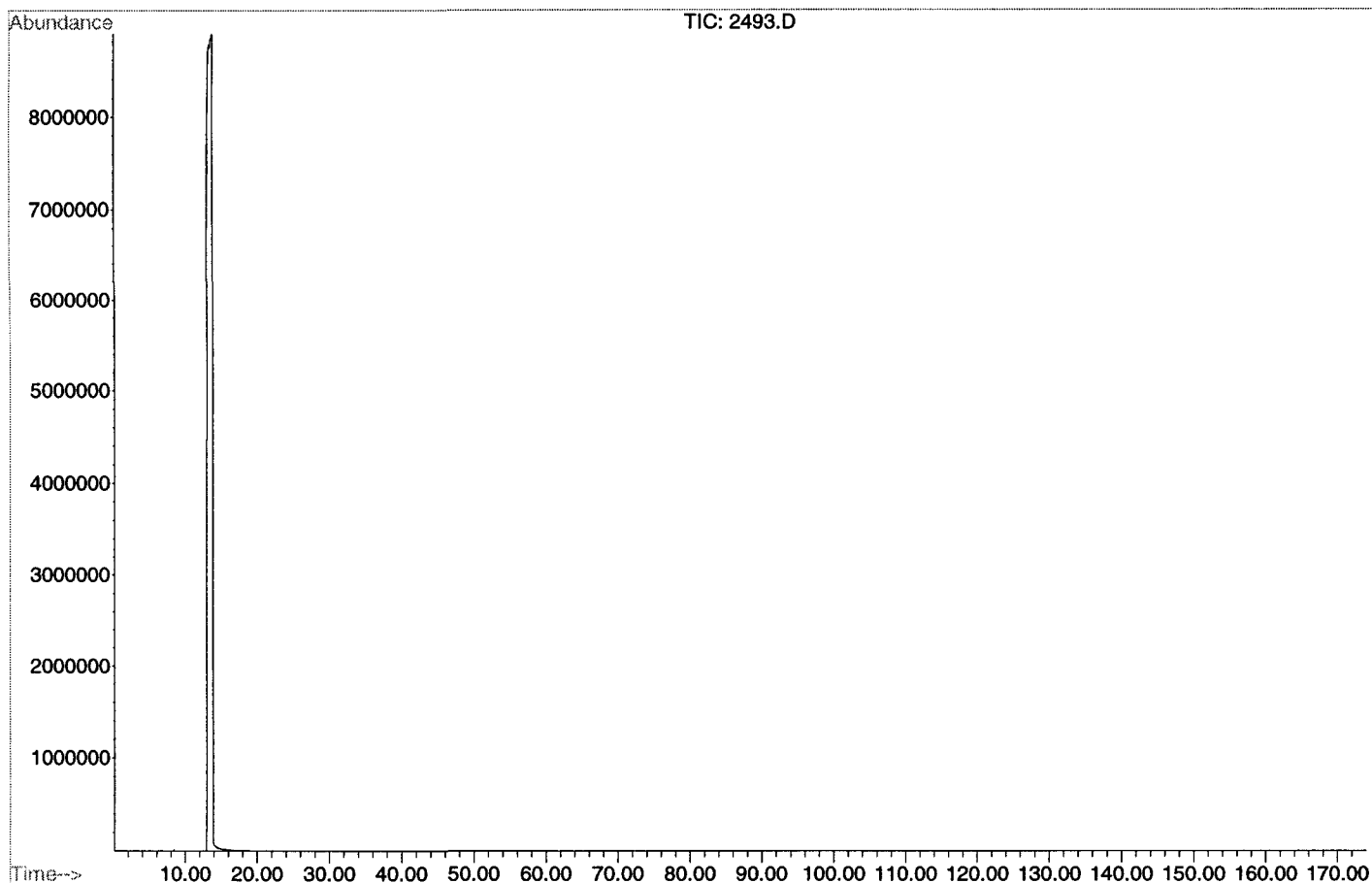
File : C:\HPCHEM\1\DATA\6305_9C\2491.D
 Operator : anne-karin
 Acquired : 4 Sep 2001 3:07 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2491M, COCH i CS2
 Misc Info :
 Vial Number: 6



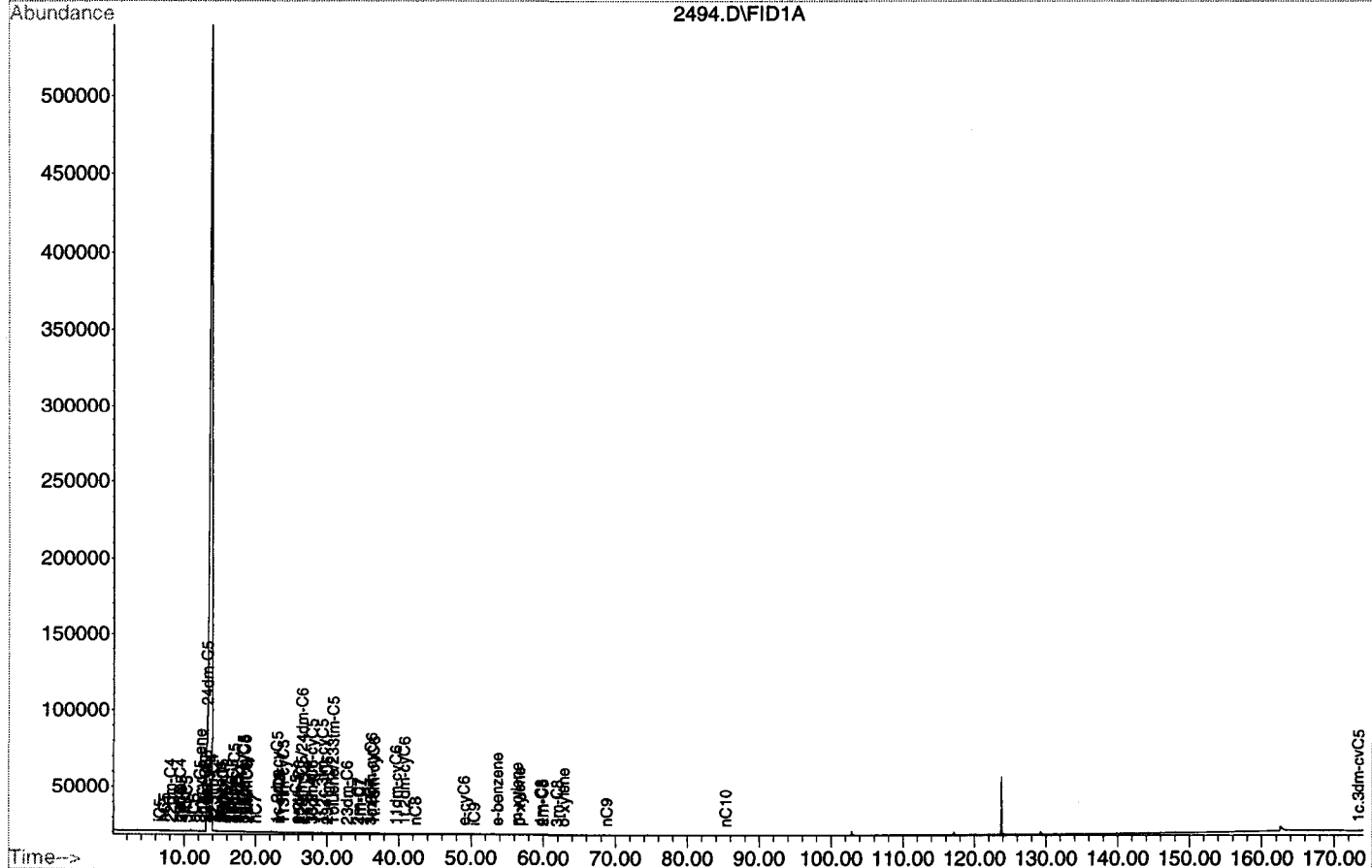
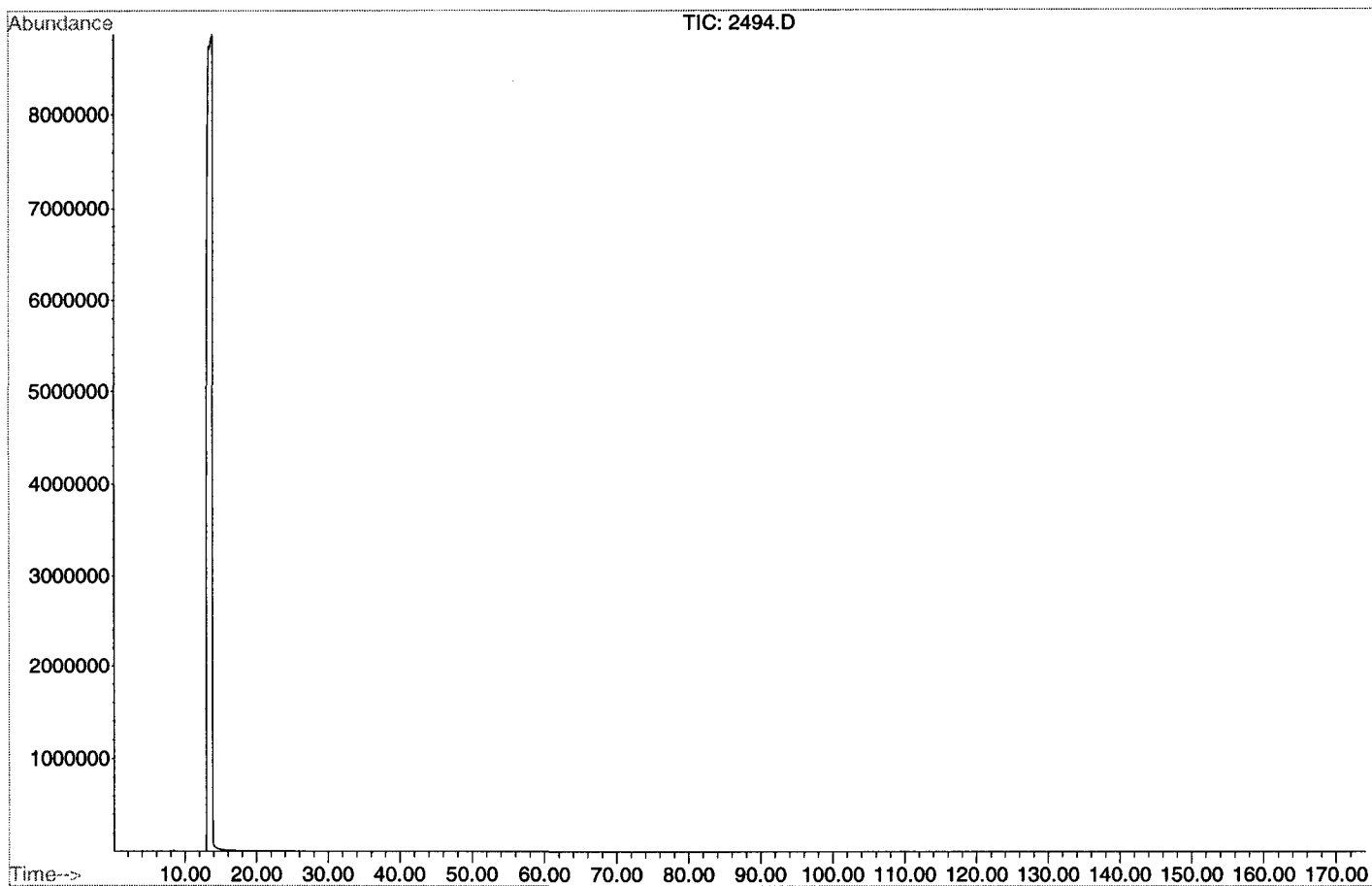
File : C:\HPCHEM\1\DATA\6305_9C\2492.D
 Operator : anne-karin
 Acquired : 4 Sep 2001 6:30 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2492m, COCH i CS2
 Misc Info :
 Vial Number: 7



File : C:\HPCHEM\1\DATA\6305_9C\2493.D
 Operator : anne-karin
 Acquired : 4 Sep 2001 9:51 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2493M, COCH i CS2
 Misc Info :
 Vial Number: 8



File : C:\HPCHEM\1\DATA\6305_9C\2494.D
 Operator : anne-karin
 Acquired : 4 Sep 2001 13:13 using AcqMethod C510_A
 Instrument : LHC
 Sample Name: 6305/9-1 2494m, COCH i CS2
 Misc Info :
 Vial Number: 9



File path: C:\HPCHEM\1\DATA\6305_9C\
 File name: NSO1_1.D
 Misc info:
 Sample name: nso1_1 ref.
 Date acquired: 3 Sep 2001 13:38
 Method/Operator: C520D_B anne-karin
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	29008285	7,43	18,83	phC6(ISTD)	34934644	7,43	110,20
iC5	6815606	1,75	6,69	Benzene	9384986	2,00	15,06
nC5	12013337	3,08	7,25	Toluene/233tm-C5	19443997	4,14	31,03
22dm-C4	476673	0,12	8,32	iC9	4073971	0,87	50,46
cyC5	2427079	0,62	9,45	e-benzene	4213862	0,90	53,82
23dm-C4	1582479	0,41	9,51	m-xylene	13537708	2,88	56,41
2m-C5	10359911	2,65	9,69	p-xylene	3645155	0,78	56,71
3m-C5	6988093	1,79	10,43	4m-C8	3824861	0,81	59,75
nC6	21821049	5,59	11,44	2m-C8	4816051	1,02	60,08
3m-cyC5-ene	4667	0,00	12,08	3m-C8	5185569	1,10	61,97
22dm-C5	639046	0,16	13,19	o-xylene	8086738	1,72	62,89
m-cyC5	13294597	3,41	13,36	nC9	28424925	6,05	68,84
24dm-C5	1531726	0,39	13,64	iC10	5569664	1,18	75,55
223tm-C4	139284	0,04	14,02	nC10	29279740	6,23	85,38
33dm-C5	440482	0,11	15,53	iC11	6864530	1,46	88,43
cyC6	24650763	6,32	15,84	nC11	28811488	6,13	96,83
2m-C6	9077172	2,33	16,64	nC12	27956734	5,95	106,06
23dm-C5	3246957	0,83	16,79	iC13	6442592	1,37	107,39
11dm-cyC5	2578353	0,66	17,05	iC14	6240661	1,33	112,60
3m-C6	10076596	2,58	17,46	nC13	25334963	5,39	114,10
1c.3dm-cyC5	3003534	0,77	18,08	iC15	6559759	1,40	119,95
1t.3dm-cyC5	3200715	0,82	18,37	nC14	23527107	5,01	121,38
3e-C5	876129	0,22	18,49	iC16	8940893	1,90	125,82
1t.2dm-cyC5	5969878	1,53	18,65	nC15	21863580	4,65	128,12
nC7	31383274	8,04	20,08	nC16	18875864	4,02	134,43
1c.2dm-cyC5	705346	0,18	23,23	iC18	5620079	1,20	137,59
m-cyC6	32521459	8,33	23,39	nC17	17481352	3,72	140,38
113tm-cyC5	1825233	0,47	24,04	pristane	9728084	2,07	141,00
e-cyC5	1965062	0,50	25,83	nC18	21769635	4,63	146,03
25dm-C6	1148746	0,29	26,19	phytane	9179888	1,95	146,83
223tm-C5/24dm-C6	1416301	0,36	26,60	nC19	36649479	7,80	151,43
1c.2t.4tm-cyC5	1717524	0,44	27,82	nC20	28351177	6,03	156,52
33dm-C6	433658	0,11	28,18				
1t.2c.3tm-cyC5	1728435	0,44	29,54				
234tm-C5	392681	0,10	30,21				
23dm-C6	1946639	0,50	32,90				
2m-C7	8906393	2,28	34,40				
4m-C7	2968183	0,76	34,73				
3m-C7	5638888	1,44	36,15				
1c.3dm-cyC6	7785161	1,99	36,31				
1t.4dm-cyC6	2661733	0,68	36,74				
11dm-cyC6	2124658	0,54	39,65				
1t.2dm-cyC6	4083948	1,05	40,71				
nC8	26536995	6,80	42,37				
e-cyC6	11492164	2,94	49,07				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	24,28	24,28
Isoheptane value(2):	1,49	1,49
Paraffinicity(3):	0,97	0,97
Aromaticity(4):	0,65	0,54

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

Title: 5_20_A

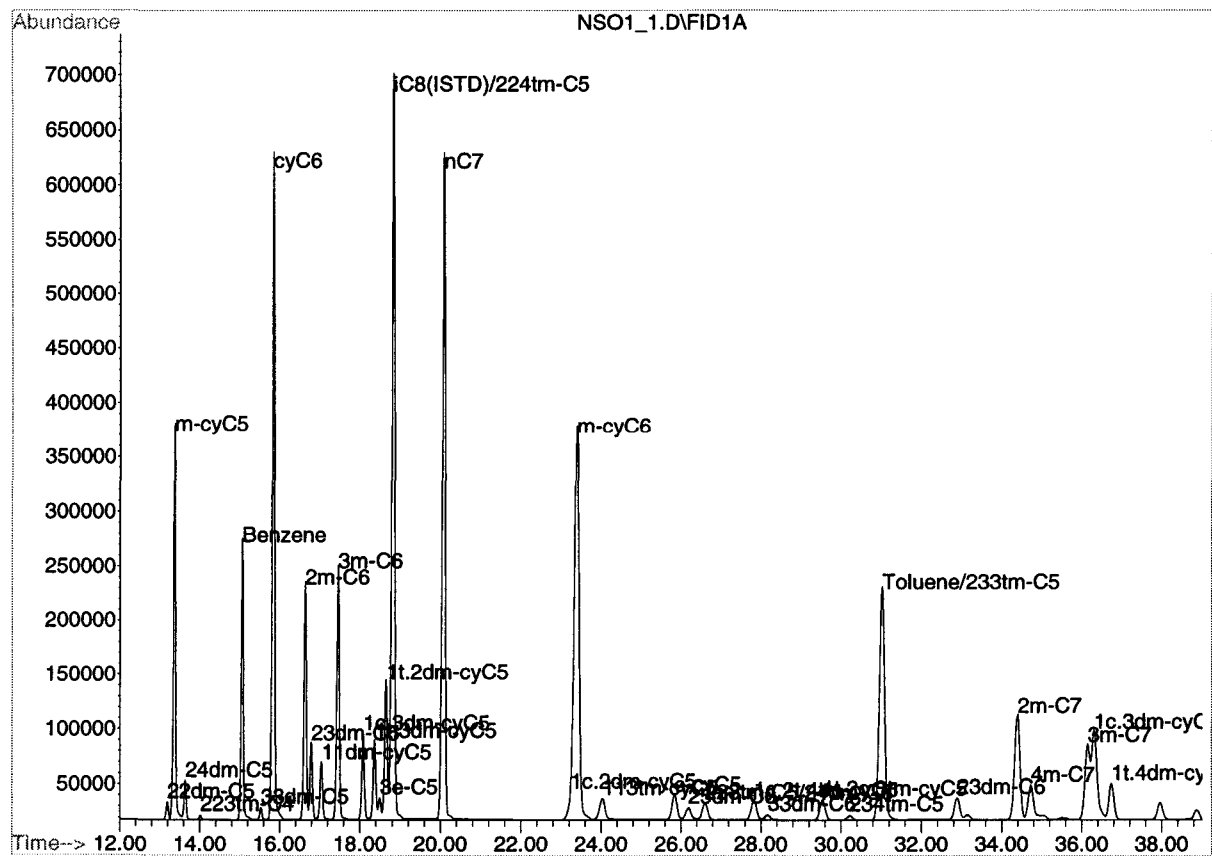
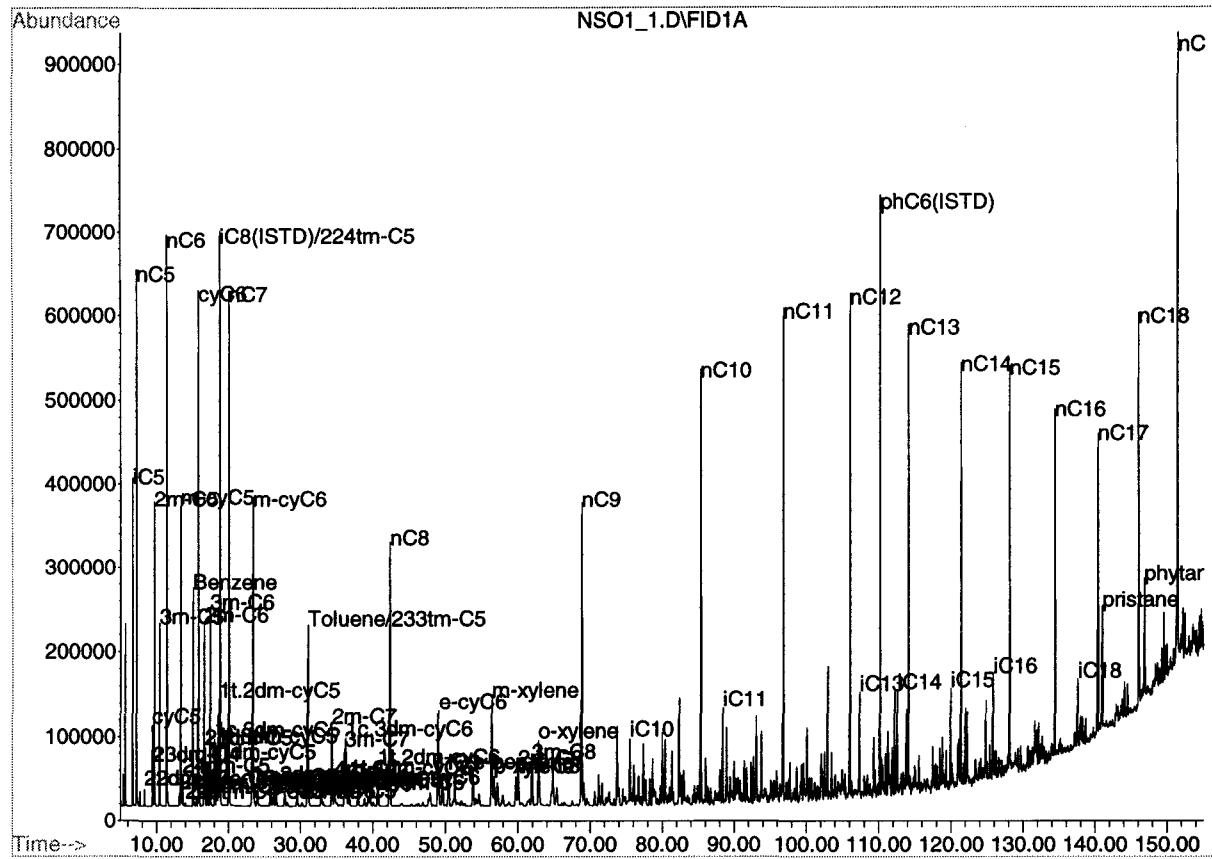
Data File: C:\HPCHEM\1\DATA\6305_9C\NSO1_1.D Name: nso1_1 ref.

Misc:

Method: C520D_B

.....Operator: anne-karin

Date Reported: Mon Sep 17 12:50:57 2001



File path: C:\HPCHEM1\DATA\6305_9C\
 File name: NSO1_10.D
 Misc Info:
 Sample name: nso1_10 ref.
 Date acquired: 4 Sep 2001 19:57
 Method/Operator: C520D_B anne-karin
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	28262407	7,43	18,78	phC6(ISTD)	34121360	7,43	110,19
iC5	5877190	1,55	6,65	Benzene	8315805	1,81	15,03
nC5	9912428	2,61	7,21	Toluene/233tm-C5	17328862	3,77	30,99
22dm-C4	417373	0,11	8,27	iC9	3862558	0,84	50,45
cyC5	2218687	0,58	9,41	e-benzene	3776795	0,82	53,82
23dm-C4	1281534	0,34	9,47	m-xylene	12101609	2,64	56,39
2m-C5	9173160	2,41	9,65	p-xylene	3310740	0,72	56,70
3m-C5	6113741	1,61	10,38	4m-C8	3487796	0,76	59,74
nC6	20021844	5,27	11,39	2m-C8	4330493	0,94	60,08
3m-cyC5-ene	3258	0,00	12,10	3m-C8	5038506	1,10	61,97
22dm-C5	352049	0,09	13,14	o-xylene	7475899	1,63	62,89
m-cyC5	11657568	3,07	13,32	nC9	26466231	5,76	68,84
24dm-C5	1140283	0,30	13,60	iC10	4990830	1,09	75,55
223tm-C4	142086	0,04	13,98	nC10	27564580	6,00	85,37
33dm-C5	417824	0,11	15,49	iC11	6544853	1,43	88,42
cyC6	22231881	5,85	15,80	nC11	27735296	6,04	96,81
2m-C6	8318221	2,19	16,60	nC12	27362276	5,96	106,05
23dm-C5	2957560	0,78	16,75	iC13	6589213	1,44	107,37
11dm-cyC5	2331651	0,61	17,00	iC14	6304881	1,37	112,58
3m-C6	9876786	2,60	17,41	nC13	24652654	5,37	114,09
1c.3dm-cyC5	3166788	0,83	18,04	iC15	6051055	1,32	119,93
1t.3dm-cyC5	3341278	0,88	18,33	nC14	22648231	4,93	121,37
3e-C5	1446495	0,38	18,45	iC16	8571721	1,87	125,80
1t.2dm-cyC5	6158133	1,62	18,61	nC15	21466094	4,68	128,10
nC7	30404656	8,00	20,03	nC16	18404353	4,01	134,41
1c.2dm-cyC5	1066702	0,28	23,20	iC18	5621763	1,22	137,57
m-cyC6	28343120	7,45	23,32	nC17	16430434	3,58	140,37
113tm-cyC5	1662604	0,44	23,97	pristane	9150342	1,99	140,97
e-cyC5	1767597	0,46	25,78	nC18	13009569	2,83	146,00
25dm-C6	1019945	0,27	26,15	phytane	5621842	1,22	146,80
223tm-C5/24dm-C6	1235931	0,33	26,56	nC19	11503149	2,51	151,36
1c.2t.4tm-cyC5	1567849	0,41	27,78	nC20	17866605	3,89	156,49
33dm-C6	401982	0,11	28,13				
1t.2c.3tm-cyC5	1679898	0,44	29,49				
234tm-C5	373998	0,10	30,19				
23dm-C6	1779879	0,47	32,85				
2m-C7	8195696	2,16	34,36				
4m-C7	2700422	0,71	34,69				
3m-C7	5651476	1,49	36,13				
1c.3dm-cyC6	7469872	1,96	36,29				
1t.4dm-cyC6	2476696	0,65	36,73				
11dm-cyC6	1943222	0,51	39,62				
1t.2dm-cyC6	3680813	0,97	40,69				
nC8	24677761	6,49	42,36				
e-cyC6	10629736	2,80	49,04				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	25,04	25,04
Isoheptane value(2):	1,32	1,32
Paraffinicity(3):	1,07	1,07
Aromaticity(4):	0,62	0,52

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylene/nC8

Title: 5_20_A

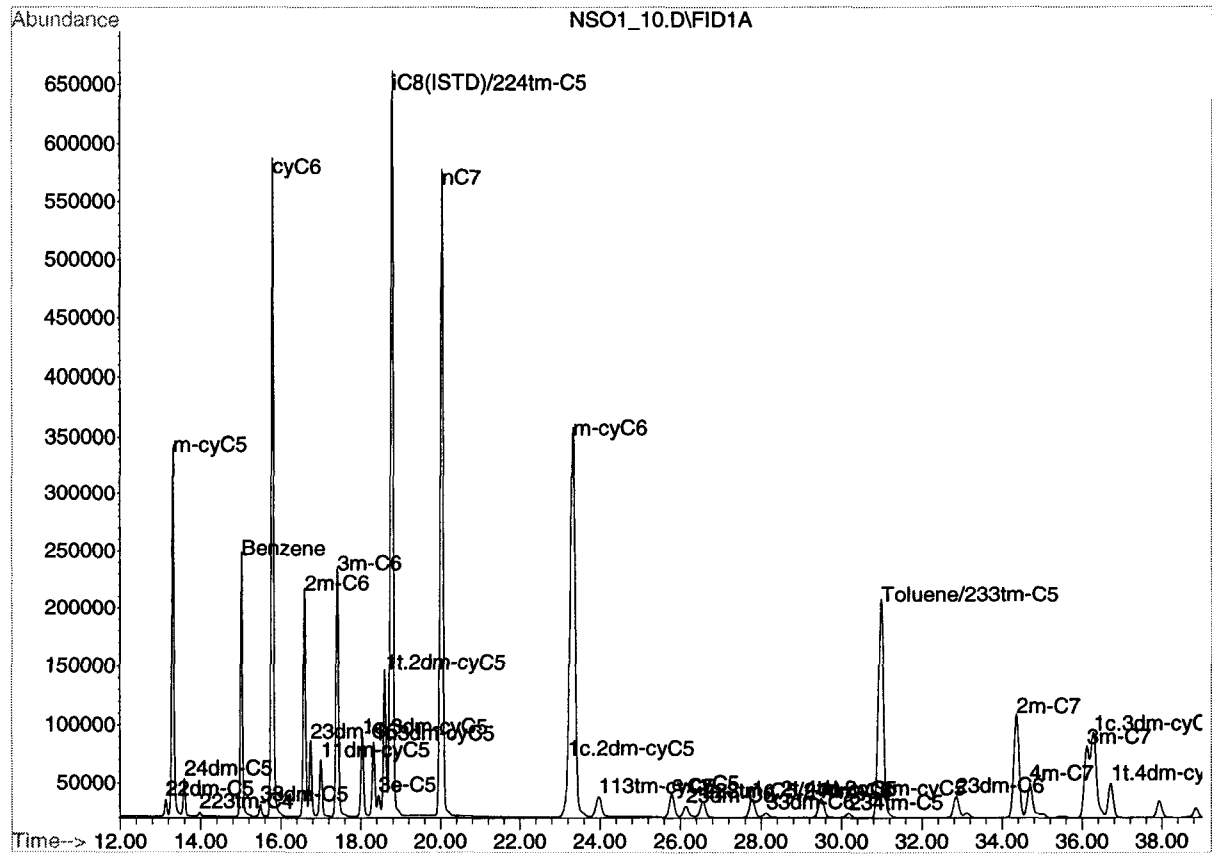
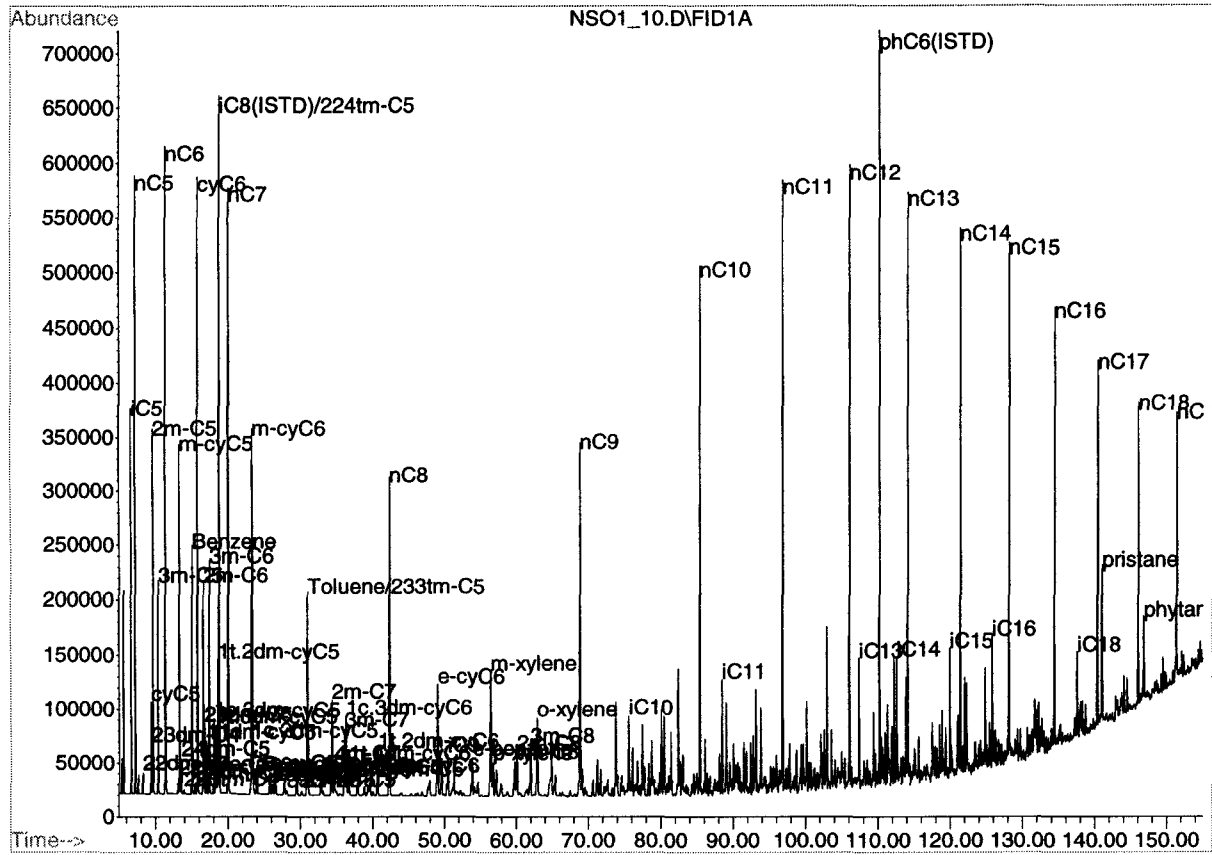
Data File: C:\HPCHEM\1\DATA\6305_9C\NSO1_10.D Name: nso1_10 ref.

Misc:

Method: C520D_B

Operator: anne-karin

Date Reported: Mon Sep 17 12:36:23 2001



File path: C:\HPCHEM\1\DATA\6305_9B\
 File name: NSO1_11.D
 Misc info:
 Sample name: nso1_11 ref.
 Date acquired: 1 Sep 2001 21:02
 Method/Operator: C520D_B anne-karin
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	32991671	7,43	18,80	phC6(ISTD)	36859236	7,43	110,19
iC5	8191799	1,85	6,66	Benzene	10615189	2,14	15,04
nC5	14950716	3,37	7,22	Toluene/233tm-C5	21360590	4,31	31,02
22dm-C4	526751	0,12	8,29	iC9	4291643	0,87	50,47
cyC5	2804426	0,63	9,42	e-benzene	4567623	0,92	53,83
23dm-C4	1554031	0,35	9,48	m-xylene	14479790	2,92	56,40
2m-C5	11797787	2,66	9,66	p-xylene	3883783	0,78	56,74
3m-C5	7423203	1,67	10,40	4m-C8	4149724	0,84	59,76
nC6	25923458	5,84	11,41	2m-C8	4896221	0,99	60,09
3m-cyC5-ene	6563	0,00	12,04	3m-C8	5740326	1,16	61,98
22dm-C5	619443	0,14	13,16	o-xylene	8580888	1,73	62,91
m-cyC5	14669586	3,30	13,33	nC9	29136845	5,87	68,86
24dm-C5	1625604	0,37	13,61	iC10	5228201	1,05	75,56
223tm-C4	140572	0,03	13,99	nC10	30576888	6,17	85,38
33dm-C5	526700	0,12	15,51	iC11	7190812	1,45	88,43
cyC6	26860545	6,05	15,81	nC11	29144614	5,88	96,82
2m-C6	9793860	2,21	16,62	nC12	28529095	5,75	106,05
23dm-C5	2955546	0,67	16,77	iC13	6365935	1,28	107,37
11dm-cyC5	2563883	0,58	17,02	iC14	6059185	1,22	112,58
3m-C6	11349322	2,56	17,44	nC13	26831850	5,41	114,09
1c.3dm-cyC5	3848403	0,87	18,06	iC15	6106836	1,23	119,93
1t.3dm-cyC5	2945734	0,66	18,34	nC14	24303620	4,90	121,37
3e-C5	1050465	0,24	18,47	iC16	8765648	1,77	125,80
1t.2dm-cyC5	6698372	1,51	18,62	nC15	24450626	4,93	128,11
nC7	35706108	8,04	20,06	nC16	21093687	4,25	134,41
1c.2dm-cyC5	1014780	0,23	23,20	iC18	6331800	1,28	137,57
m-cyC6	33840895	7,62	23,36	nC17	17027451	3,43	140,36
113tm-cyC5	2110251	0,48	24,01	pristane	9943202	2,00	140,97
e-cyC5	2176286	0,49	25,83	nC18	14686923	2,96	146,00
25dm-C6	1138678	0,26	26,17	phytane	5609011	1,13	146,81
223tm-C5/24dm-C6	1367021	0,31	26,60	nC19	13194373	2,66	151,36
1c.2t.4tm-cyC5	1833420	0,41	27,81	nC20	23013342	4,64	156,50
33dm-C6	445101	0,10	28,15				
1t.2c.3tm-cyC5	1835499	0,41	29,54				
234tm-C5	892514	0,20	30,22				
23dm-C6	2082647	0,47	32,90				
2m-C7	9776954	2,20	34,40				
4m-C7	3036109	0,68	34,73				
3m-C7	6082142	1,37	36,17				
1c.3dm-cyC6	8216061	1,85	36,31				
1t.4dm-cyC6	2836982	0,64	36,74				
11dm-cyC6	2246966	0,51	39,66				
1t.2dm-cyC6	4413760	0,99	40,72				
nC8	29291549	6,60	42,38				
e-cyC6	12415406	2,80	49,08				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	25,36	25,36
Isoheptane value(2):	1,46	1,46
Paraffinicity(3):	1,06	1,06
Aromaticity(4):	0,63	0,56

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC8+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylene/nC8

Title: 5_20_A

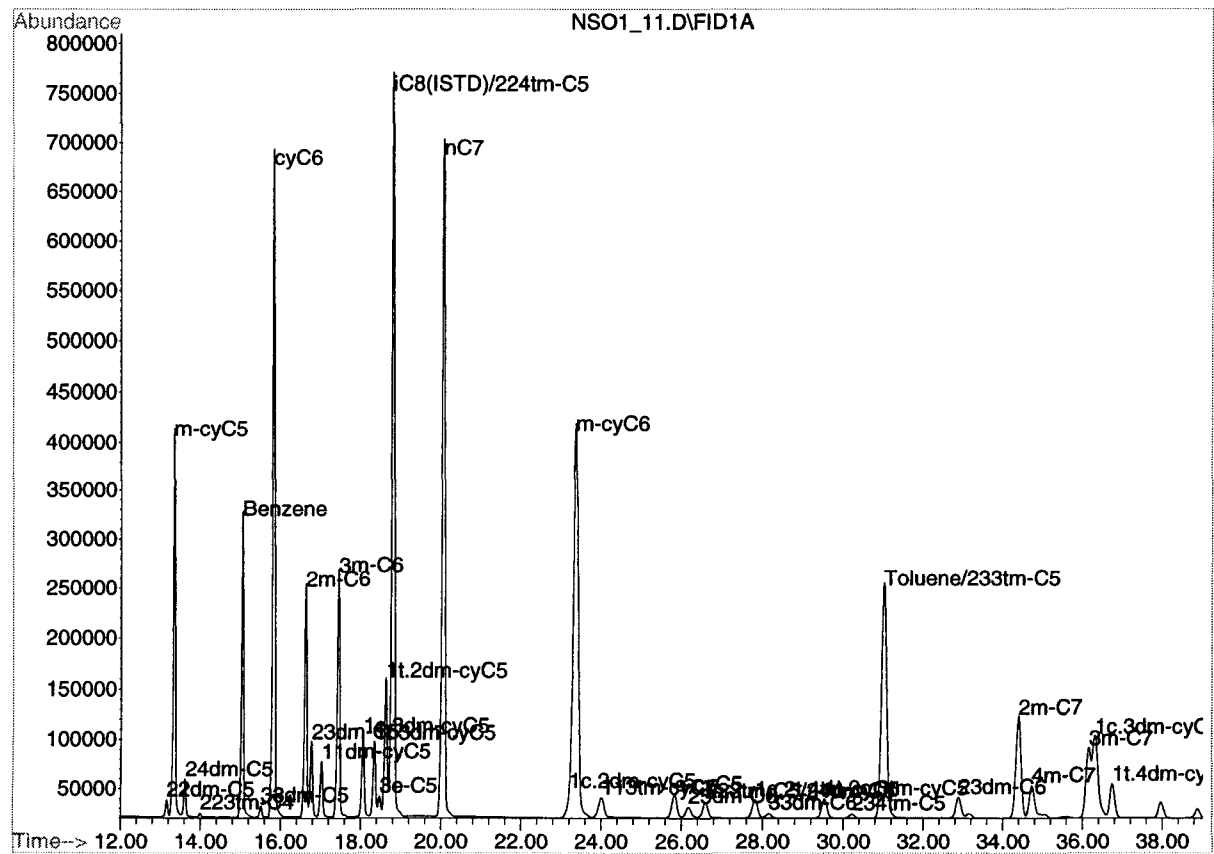
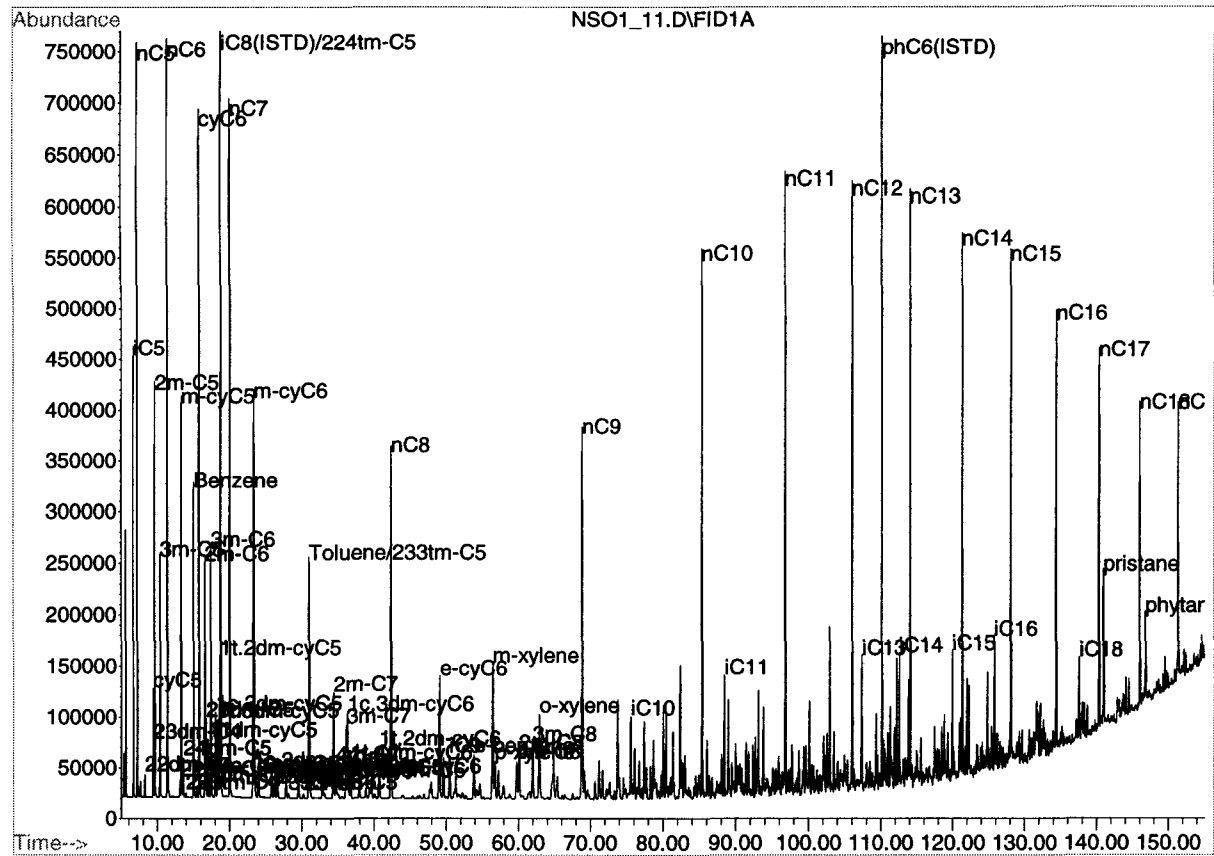
Data File: C:\HPCHEM\1\DATA\6305_9B\NSO1_11.D Name: ns01_11 ref.

Misc:

Method: C520D_B

Operator: anne-karin

Date Reported: Mon Sep 17 13:04:18 2001



File path: C:\HPCHEM1\DATA\6305_9B\
 File name: NSO1_1.D
 Misc info:
 Sample name: nso1_1 ref.
 Date acquired: 31 Aug 2001 11:20
 Method/Operator: C520D_B anne-karin
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	34251170	7,43	18,78	phC6(ISTD)	37123904	7,43	110,17
iC5	8492390	1,84	6,67	Benzene	11619882	2,33	15,03
nC5	16505083	3,58	7,23	Toluene/233tm-C5	23035436	4,61	30,95
22dm-C4	662160	0,14	8,30	iC9	4522244	0,91	50,40
cyC5	3144950	0,68	9,42	e-benzene	4775430	0,96	53,75
23dm-C4	1525749	0,33	9,49	m-xylene	15796035	3,16	56,34
2m-C5	12660045	2,75	9,67	p-xylene	4226340	0,85	56,64
3m-C5	7861146	1,71	10,40	4m-C8	4388461	0,88	59,67
nC6	27522034	5,97	11,40	2m-C8	5155021	1,03	60,01
3m-cyC5-ene	5486	0,00	12,21	3m-C8	5876711	1,18	61,90
22dm-C5	582294	0,13	13,15	o-xylene	9702923	1,94	62,82
m-cyC5	15079810	3,27	13,33	nC9	31517555	6,31	68,80
24dm-C5	1719702	0,37	13,61	iC10	6164761	1,23	75,51
223tm-C4	165428	0,04	13,99	nC10	31657968	6,34	85,35
33dm-C5	685653	0,15	15,50	iC11	7353924	1,47	88,40
cyC6	29081152	6,31	15,80	nC11	30944402	6,19	96,79
2m-C6	10492016	2,28	16,60	nC12	30223291	6,05	106,04
23dm-C5	3539028	0,77	16,75	iC13	6213434	1,24	107,35
11dm-cyC5	2751693	0,60	17,00	iC14	6105452	1,22	112,56
3m-C6	11862596	2,57	17,42	nC13	27494600	5,50	114,07
1c.3dm-cyC5	4290957	0,93	18,04	iC15	6223493	1,25	119,92
1t.3dm-cyC5	3925475	0,85	18,32	nC14	25418167	5,09	121,35
3e-C5	1441509	0,31	18,45	iC16	9353152	1,87	125,79
1t.2dm-cyC5	6325622	1,37	18,60	nC15	23948352	4,79	128,09
nC7	37090134	8,05	20,04	nC16	20947619	4,19	134,40
1c.2dm-cyC5	660044	0,14	23,16	iC18	6218913	1,24	137,56
m-cyC6	35171208	7,63	23,31	nC17	19889978	3,98	140,36
113tm-cyC5	1995504	0,43	23,95	pristane	12338107	2,47	140,97
e-cyC5	2283917	0,50	25,77	nC18	38722917	7,75	146,03
25dm-C6	1246160	0,27	26,11	phytane	16883752	3,38	146,81
223tm-C5/24dm-C6	1701494	0,37	26,53	nC19	43631679	8,73	151,40
1c.2t.4tm-cyC5	1858075	0,40	27,75	nC20	20582296	4,12	156,47
33dm-C6	495660	0,11	28,08				
1t.2c.3tm-cyC5	1943464	0,42	29,46				
234tm-C5	425160	0,09	30,15				
23dm-C6	2150536	0,47	32,82				
2m-C7	10152188	2,20	34,33				
4m-C7	3210375	0,70	34,65				
3m-C7	6481435	1,41	36,09				
1c.3dm-cyC6	8651669	1,88	36,24				
1t.4dm-cyC6	3112399	0,68	36,68				
11dm-cyC6	2375807	0,52	39,59				
1t.2dm-cyC6	4563243	0,99	40,65				
nC8	30619838	6,64	42,31				
e-cyC6	12641213	2,74	49,00				

Parameters	Area	Amount ug/mg
Heptane value(1):	24,91	24,91
Isoheptane value(2):	1,47	1,47
Paraffinicity(3):	1,05	1,05
Aromaticity(4):	0,65	0,60

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

Title: 5_20_A

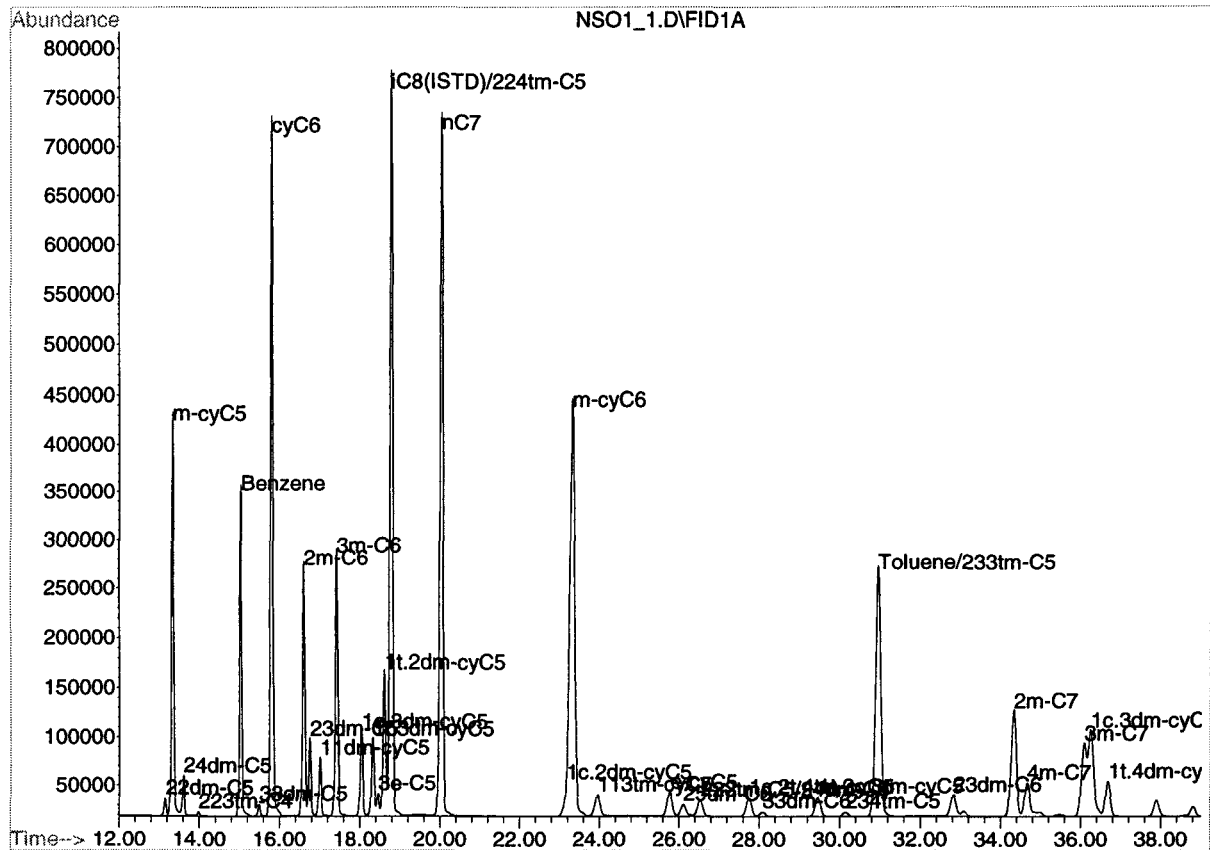
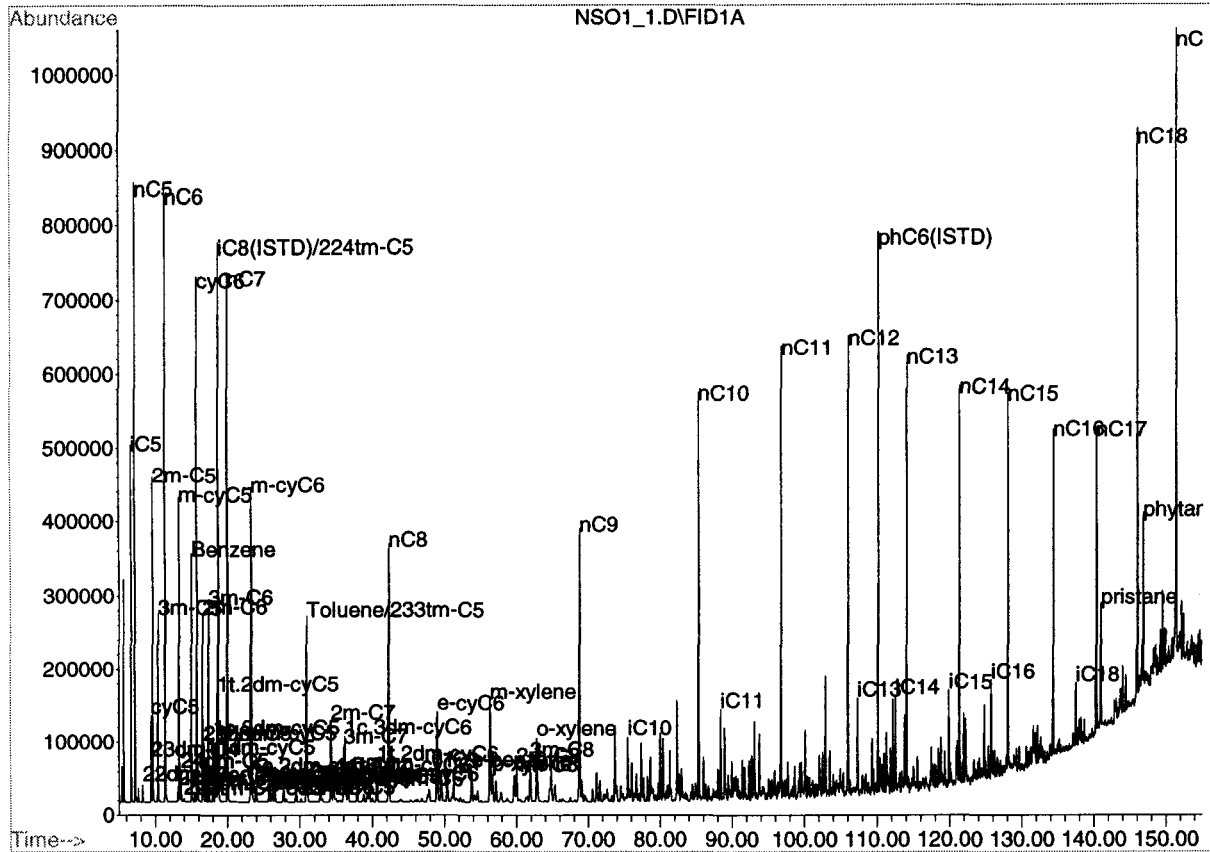
Data File: C:\HPCHEM\1\DATA\6305_9B\NSO1_1.D Name: nso1_1 ref.

Misc:

Method: C520D_B

Operator: anne-karin

Date Reported: Tue Sep 11 13:47:07 2001



File path: C:\HPCHEM\1\DATA\6305_9\
 File name: NSO1_2.D
 Misc info:
 Sample name: nso1 ref.
 Date acquired: 30 Aug 2001 13:06
 Method/Operator: C520D_B anne-karin
 Response factor = 1.0 (y=ax)

C5-20 hydrocarbons GC/FID

Norsk Hydro E&P Research Centre, Bergen
 Petroleum Geochemistry Laboratories



Name	Area	Amount ug/mg	Rt	Name	Area	Amount ug/mg	Rt
iC8(ISTD)/224tm-C5	35056351	7,43	18,75	phC6(ISTD)	35856553	7,43	110,16
iC5	9099814	1,93	6,64	Benzene	12394683	2,57	15,00
nC5	16374233	3,47	7,20	Toluene/233tm-C5	23561579	4,88	30,93
22dm-C4	649787	0,14	8,26	iC9	4410798	0,91	50,39
cyC5	3294315	0,70	9,39	e-benzene	4732597	0,98	53,75
23dm-C4	1768213	0,37	9,45	m-xylene	15436803	3,20	56,33
2m-C5	12978604	2,75	9,63	p-xylene	4150321	0,86	56,64
3m-C5	7893060	1,67	10,36	4m-C8	4232653	0,88	59,67
nC6	28964016	6,14	11,37	2m-C8	5543238	1,15	60,02
3m-cyC5-ene	1167	0,00	11,94	3m-C8	5822934	1,21	61,92
22dm-C5	647321	0,14	13,12	o-xylene	8880886	1,84	62,83
m-cyC5	15553064	3,30	13,30	nC9	30997941	6,42	68,79
24dm-C5	1400677	0,30	13,58	iC10	5329523	1,10	75,52
223tm-C4	168146	0,04	13,96	nC10	30479147	6,32	85,35
33dm-C5	600621	0,13	15,47	iC11	7095299	1,47	88,39
cyC6	28700502	6,08	15,78	nC11	29779413	6,17	96,79
2m-C6	10643696	2,26	16,58	nC12	28529994	5,91	106,03
23dm-C5	3408444	0,72	16,72	iC13	6984387	1,45	107,35
11dm-cyC5	2668843	0,57	16,98	iC14	6413537	1,33	112,55
3m-C6	12366221	2,62	17,39	nC13	25924350	5,37	114,07
1c.3dm-cyC5	4446364	0,94	18,01	iC15	5504961	1,14	119,91
1t.3dm-cyC5	3773547	0,80	18,30	nC14	23847907	4,94	121,35
3e-C5	1102781	0,23	18,42	iC16	9134020	1,89	125,77
1t.2dm-cyC5	7278855	1,54	18,58	nC15	22411160	4,65	128,08
nC7	37792813	8,01	20,01	nC16	19670425	4,08	134,39
1c.2dm-cyC5	754780	0,16	23,12	iC18	5580655	1,16	137,54
m-cyC6	36609326	7,76	23,28	nC17	17641805	3,66	140,34
113tm-cyC5	1965132	0,42	23,93	pristane	9498384	1,97	140,96
e-cyC5	2304138	0,49	25,74	nC18	13965236	2,89	145,97
25dm-C6	1237015	0,26	26,09	phytane	5674704	1,18	146,78
223tm-C5/24dm-C6	1648023	0,35	26,51	nC19	11968655	2,48	151,34
1c.2t.4tm-cyC5	1909922	0,40	27,72	nC20	17396471	3,61	156,46
33dm-C6	475848	0,10	28,08				
1t.2c.3tm-cyC5	1927543	0,41	29,45				
234tm-C5	414695	0,09	30,14				
23dm-C6	2117627	0,45	32,80				
2m-C7	10086744	2,14	34,32				
4m-C7	3220474	0,68	34,65				
3m-C7	6991998	1,48	36,07				
1c.3dm-cyC6	8778805	1,86	36,24				
1t.4dm-cyC6	3133527	0,66	36,66				
11dm-cyC6	2245479	0,48	39,59				
1t.2dm-cyC6	4642033	0,98	40,64				
nC8	30624245	6,49	42,32				
e-cyC6	12833664	2,72	49,01				

Parameters	Area	Amount ug/mg
(Thompson 1979/1983)		
Heptane value(1):	24,89	24,89
Isoheptane value(2):	1,42	1,42
Paraffinicity(3):	1,03	1,03
Aromaticity(4):	0,64	0,63

1: 100*nC7/C7paraffins, modified after Thompson 1983
 2: (2mC6+3mC6)/Dm-cycloC5
 3: nC7/m-cycloC6
 4: (m+p)xylenes/nC8

Title: 5_20_A

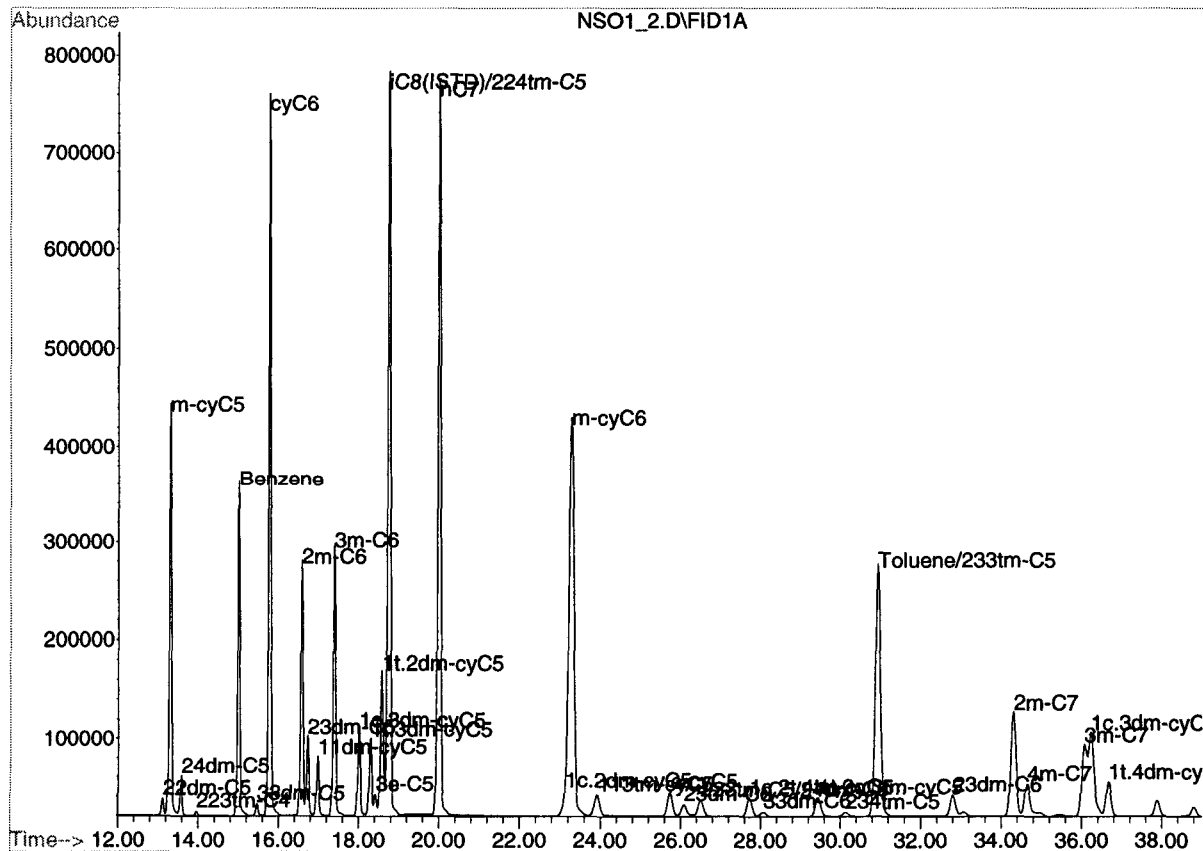
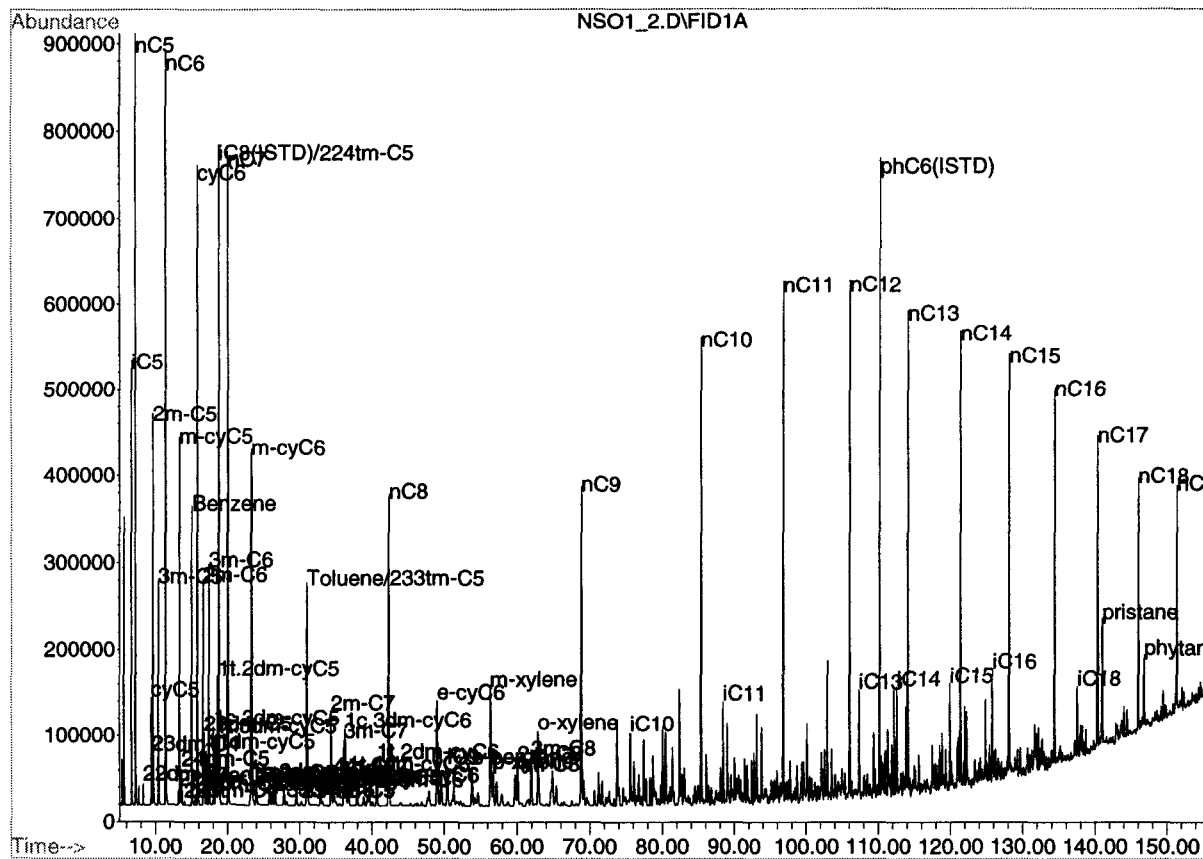
Data File: C:\HPCHEM\1\DATA\6305_9\NSO1_2.D Name: nsol ref.

Misc:

Method: C520D_B

.....Operator: anne-karin

Date Reported: Mon Sep 17 13:12:54 2001

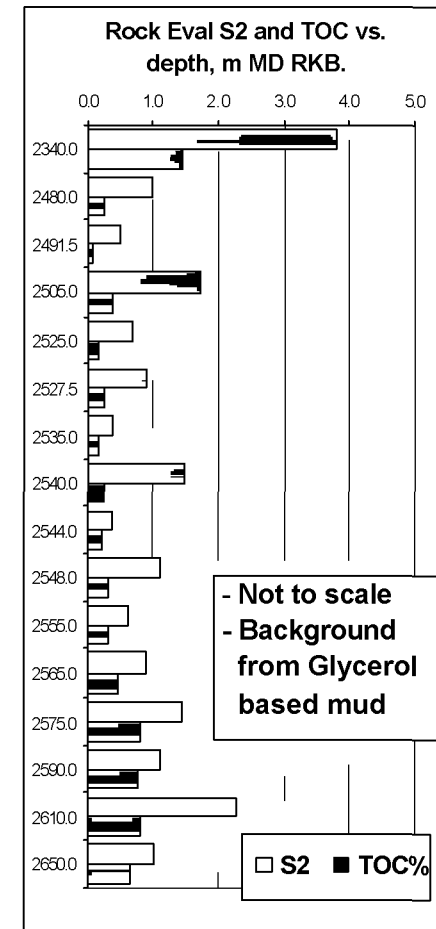
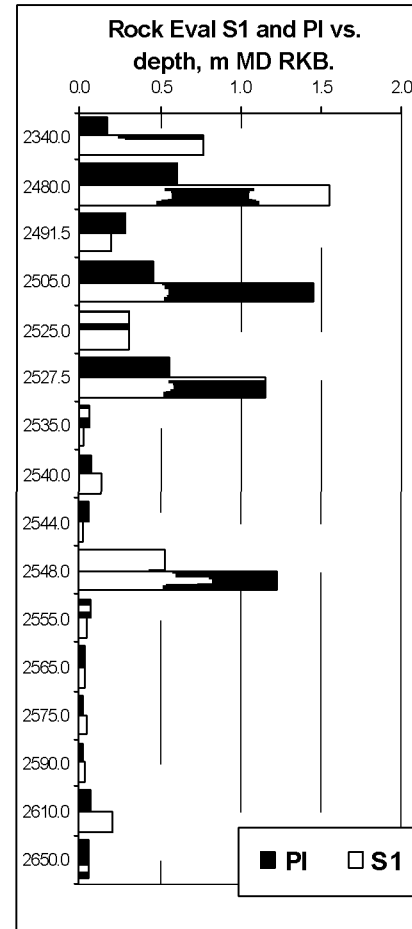


Appendix 2

Bulk data

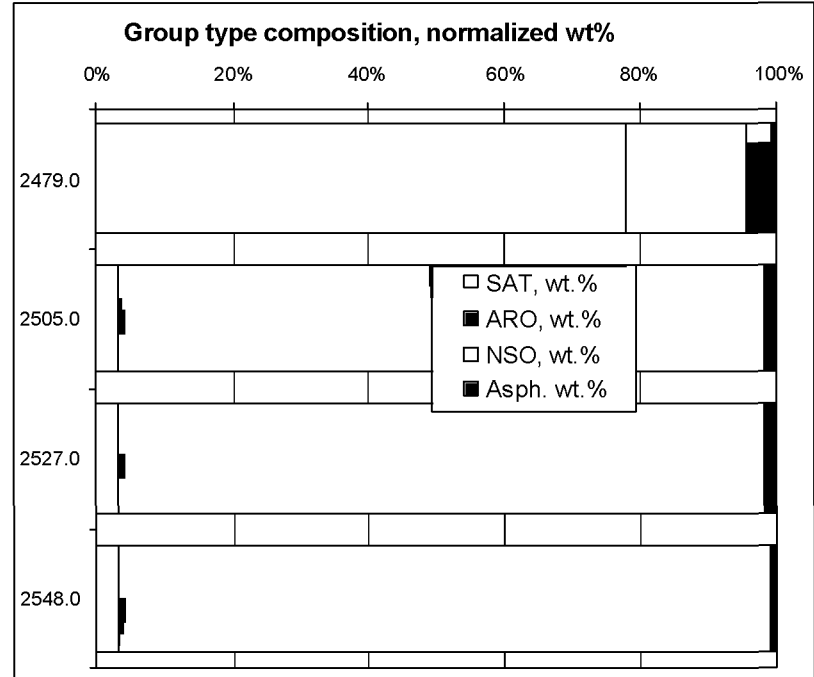
Rock Eval data

End-depth	S1	PI	Tmax	S2	TOC%	HI
2340.00	0.8	0.2	347	3.8	1.4	265
2479.95	1.5	0.6	306	1.0	0.3	385
2491.50	0.2	0.3	327	0.5	0.1	625
2505.00	1.5	0.5	314	1.7	0.4	444
2525.00	0.3	0.3	321	0.7	0.2	400
2527.50	1.2	0.6	312	0.9	0.3	337
2535.00	0.0	0.1	322	0.4	0.2	229
2540.00	0.1	0.1	343	1.5	0.3	565
2544.00	0.0	0.1	328	0.4	0.2	181
2548.00	1.2	0.5	312	1.1	0.3	347
2555.00	0.1	0.1	336	0.6	0.3	188
2565.00	0.0	0.0	352	0.9	0.5	184
2575.00	0.1	0.0	344	1.4	0.8	181
2590.00	0.0	0.0	344	1.1	0.8	144
2610.00	0.2	0.1	348	2.3	0.8	285
2650.00	0.1	0.1	429	1.0	0.6	159



EOM and group type distribution data

Name	End-depth, m	EOM, mg/g rock	SAT, wt. %	ARO, wt. %	NSO, wt. %	Asph. wt. %
2479	2480.0	5.1	78.1	0.01	17.6	4.3
2505	2505.0	5.8	3.2	0.01	94.8	2.0
2527	2527.5	4.4	3.2	0.01	94.9	1.9
2548	2548.0	6.3	3.2	0.01	95.7	1.1



Appendix 3

Summary sheets

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m
 Stratigraphy (Gr./Fm.):

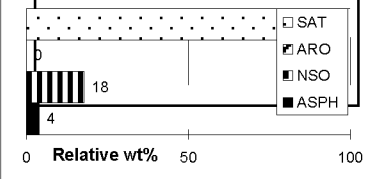
**Sediment
sample**



E&P Reserach Centre,
Bergen, Norway

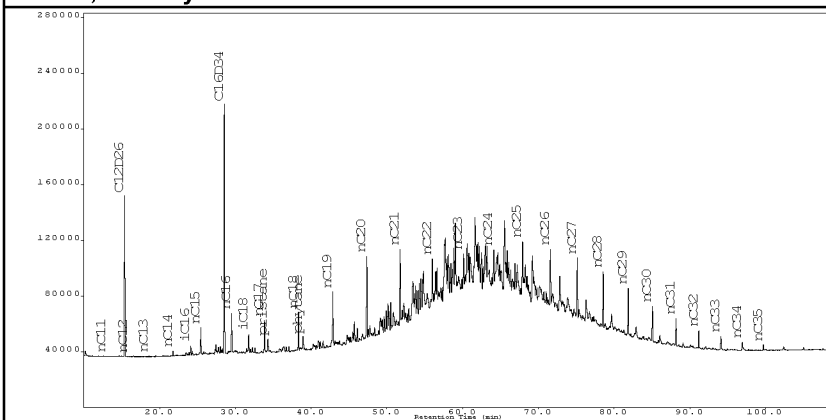
Remarks:

OrgID: 2138139, PlanID: 480792

Bulk data, Introscean and EOM		Rock Eval		δ13C isotope		ISTD-mix.(ng/mg EOM):		
	EOM, mg	90.0	S1, kg/t	1.5	Sat.	F28	C12D26	3550
	EOM, %	0.5	S2, kg/t	1.0	Aro.	F29	C16D34	3550
	EOM/TOC	346.2	PI	0.6	NSO	F30	24αββ	21
	HC/nonHC	3.6	TOC, %	0.3	Asph.	F31	d8N	43
			HI	385	Total	F32	d10BP	38
			Tmax	306	Kerogen	F33	d10P	43
							d12C	43

PyGC:

GC/FID, C15+ hydrocarbons:



GC/FID	Area	ng/mgEOM
Pr/nC ₁₇	0.5	0.5
Ph/nC ₁₈	0.5	0.5
Pr/Ph	0.9	1.0
nC ₁₇ /(C ₁₇ +C ₂₇)	0.3	0.3
nC ₁₇		460
Pristane		220
ΣC ₁₅₋₃₅		12870

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

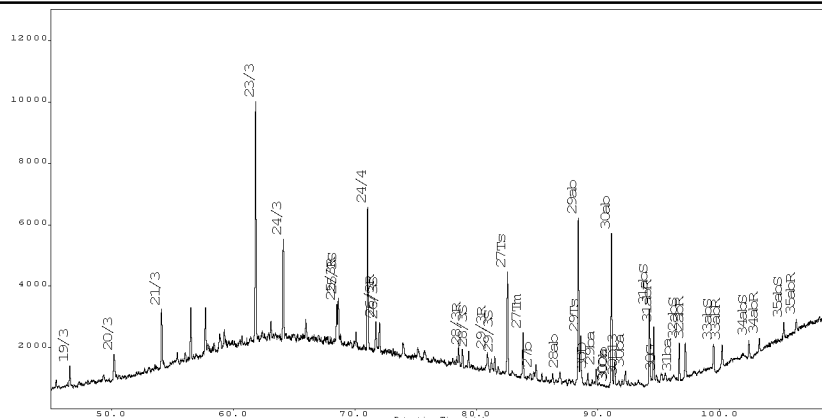


E&P Reserach Centre,
Bergen, Norway

Remarks:

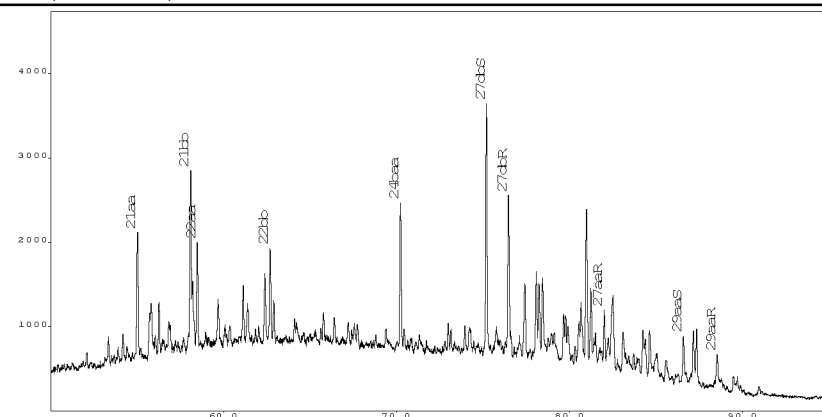
OrgID: 2138139, PlanID: 480792

GC/MS, Steranes, m/z 217:



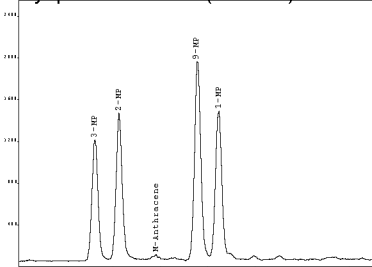
GC/MS	Height	ng/mgEOM
%Tri	37	39
%20/3	5	5
%23/3	70	70
%24/4	30	30
C26/C25	0.8	0.8
%27Ts	71	71
%28αβ	7	11
%29Ts	21	21
%25nor30αβ	1.6	2.4
%29αβ	52	62
%30βα	8	8
%30D	8	13
%30G	4	6
%32αβS	54	54
%35αβ	48	48
30αβ		29
25nor30αβ		1
Σterpanes		479
%29ααS	60	60
%29ββ	68	68
%27dia	63	63
%27ster.	44	44
%28ster.	22	22
%29ster.	30	30
%30ster.	5	5
29ααS		7
29ααR		5
Σsteranes		253

GC/MS, Steranes, m/z 217:

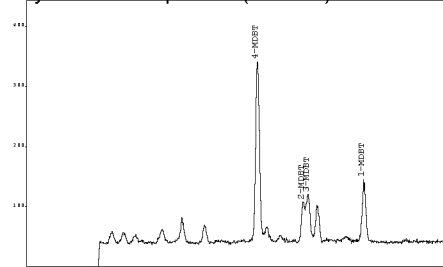


Aromatic hydrocarbons, GC/MS:

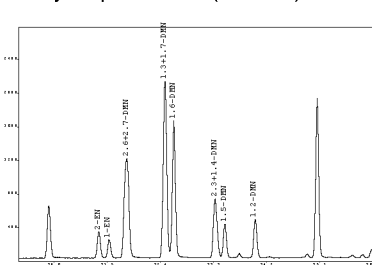
Methyl-phenanthrenes (m/z 192):



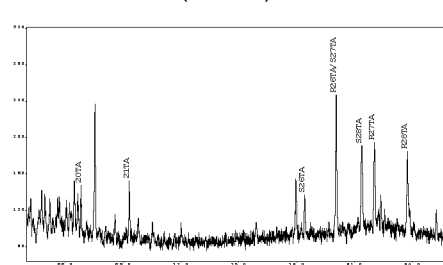
Methyl-dibenzothiophenes (m/z 198):



Dimethyl-naphthalenes (m/z 156):



Triaromatic steroids (m/z 231):



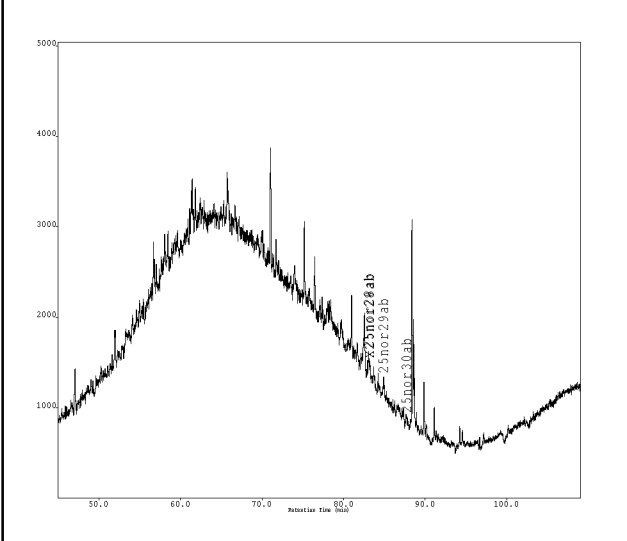
GC/MS	Height	ng/mgEOM
Naphth	2011	2
C1-naph.	6565	5
C2-naph.	6469	4
C3-naph.	5627	4
DNR	3.0	2.9
2/1MN	1.4	1.4
2/1EN	1.4	1.5
Phen.	5126	4
C1phen.	5891	5
C2-phen.	3304	3
MPI1	0.46	0.50
F1	0.44	0.44
F2	0.24	0.24
%TAS'n	23.3	23.1
DBT/P	0.05	0.02
F/P	0.15	0.11
BP/1.6DMN	0.50	0.35
4/1MDBT	2.86	2.67
3MP/R	3.1	3.7

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m

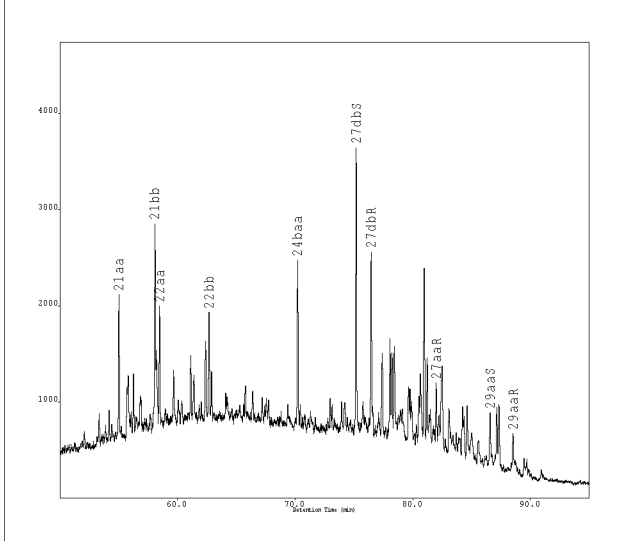
Sediment
 sample



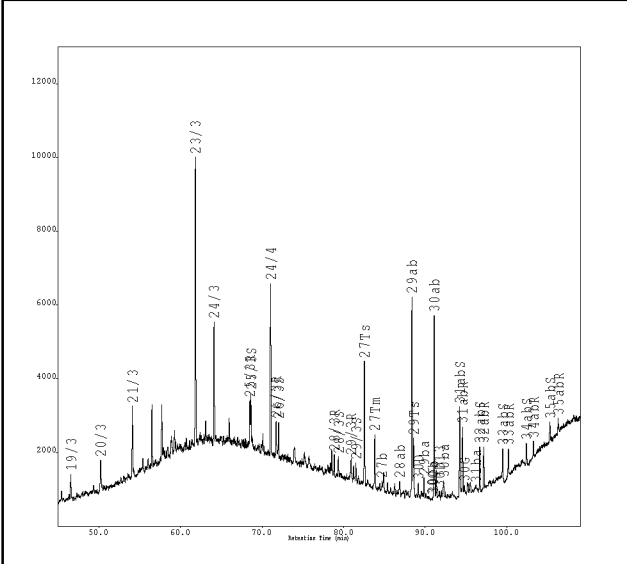
Saturated HC biomarkers, m/z 177



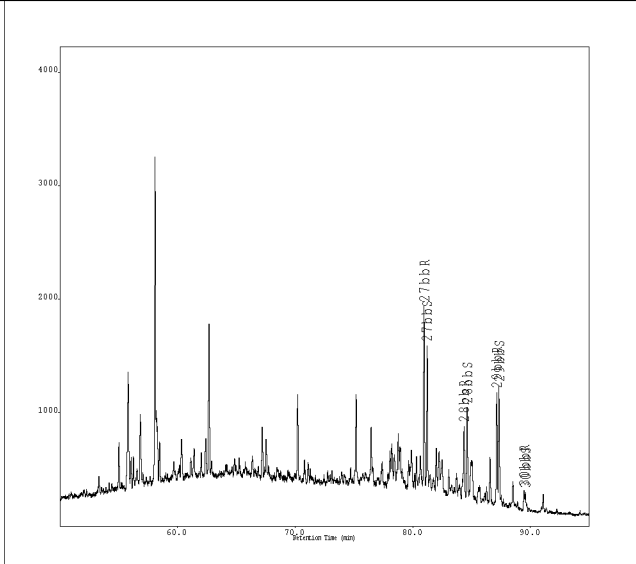
Saturated HC biomarkers, m/z 217



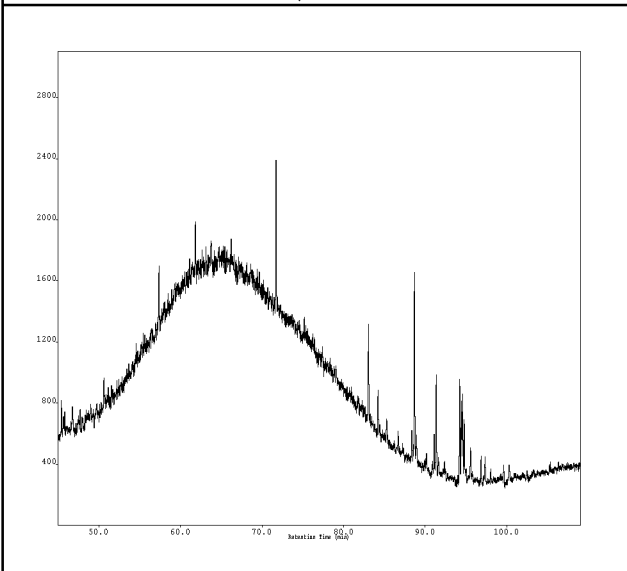
Saturated HC biomarkers, m/z 191



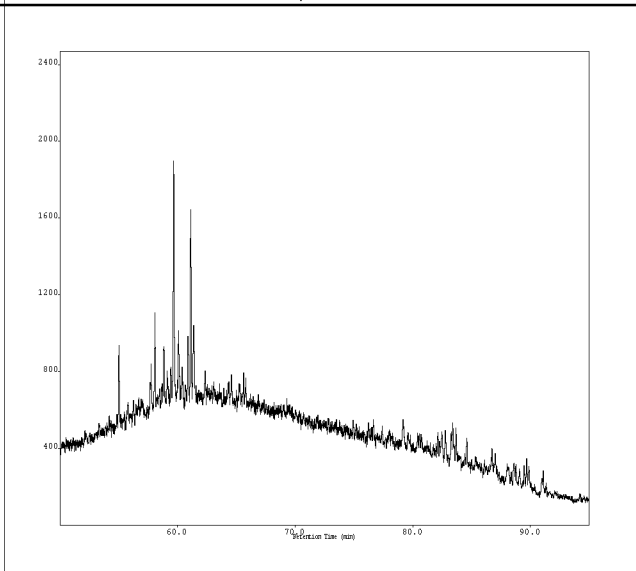
Saturated HC biomarkers, m/z 218



Saturated HC biomarkers, m/z 205



Saturated HC biomarkers, m/z 231

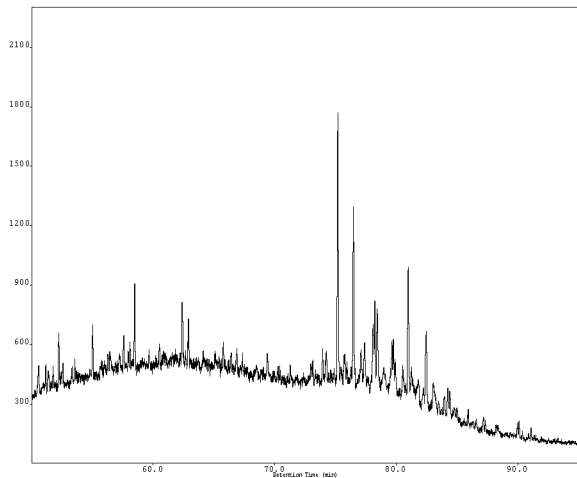


Country, well/location: NOR 6305/9-1
Sample type, depth (m): COCH, 2479.95-2479.95m

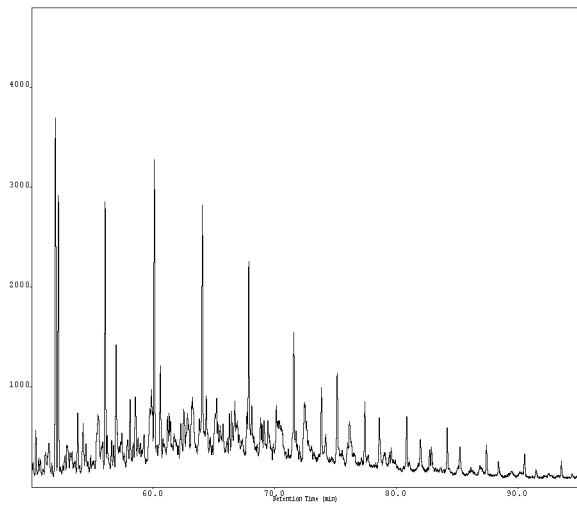
Sediment
sample



Saturated HC biomarkers, m/z 259



QC, monoaromatic steroids in SAT-fraction, m/z 253

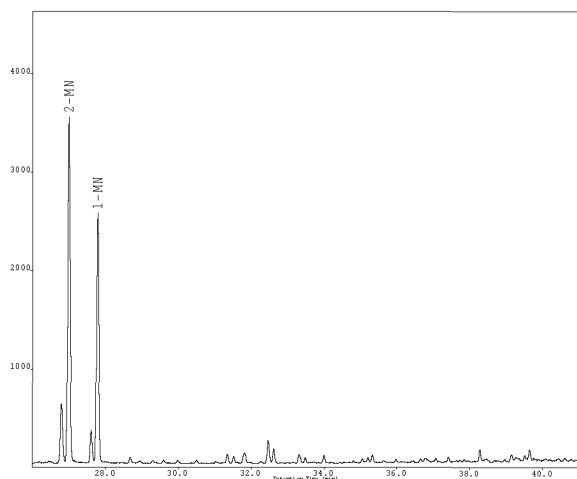


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m

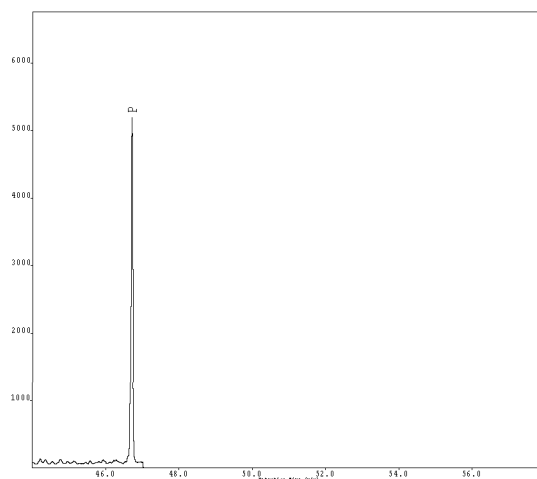
Sediment
 sample



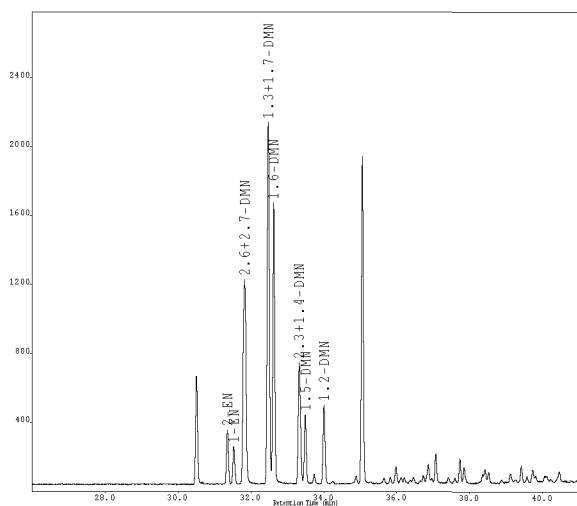
Aromatic HC's, methyl-naphthalenes m/z 142



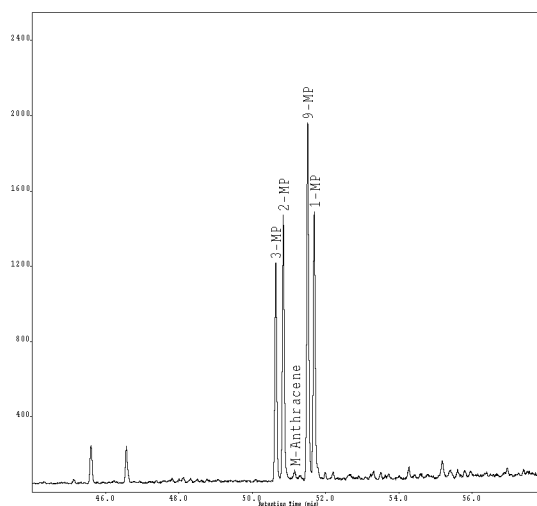
Aromatic HC's, phenanthrene m/z 178



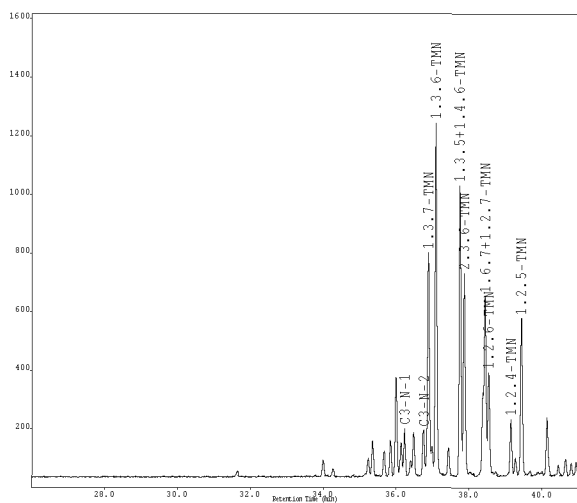
Aromatic HC's, C2-naphthalenes m/z 156



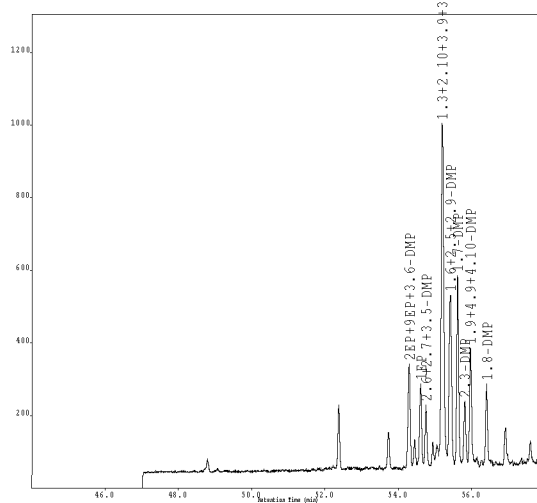
Aromatic HC's, methyl-phenanthrenes m/z 192



Aromatic HC's, C3-naphthalenes m/z 170



Aromatic HC's, dimethyl-phenanthrenes m/z 206

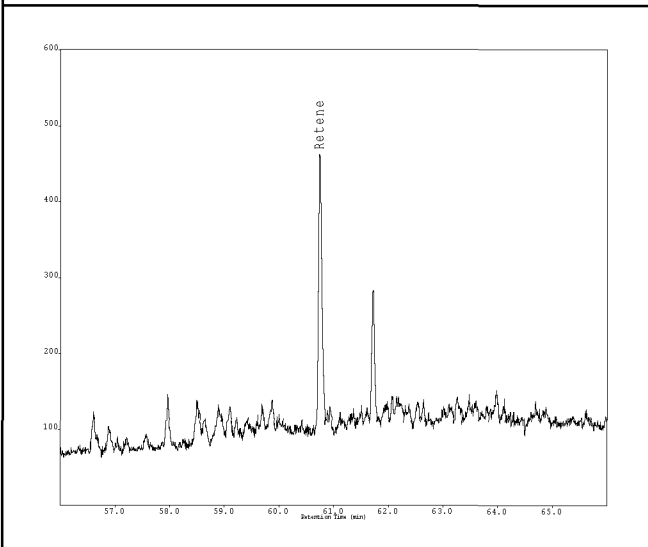


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m

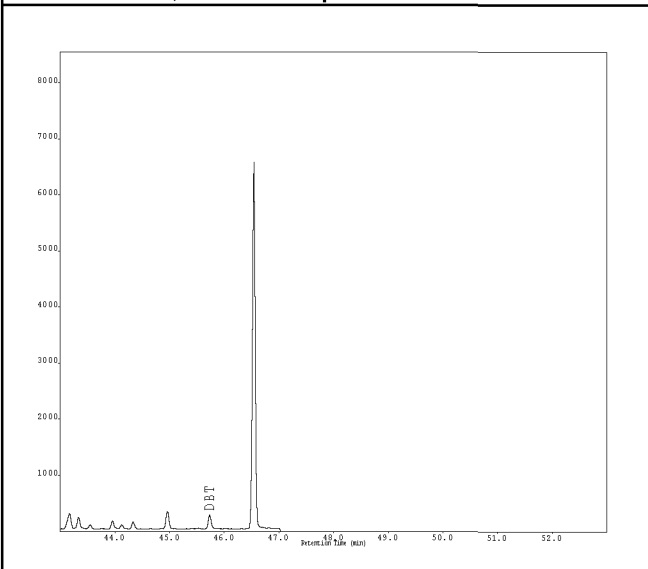
Sediment
 sample



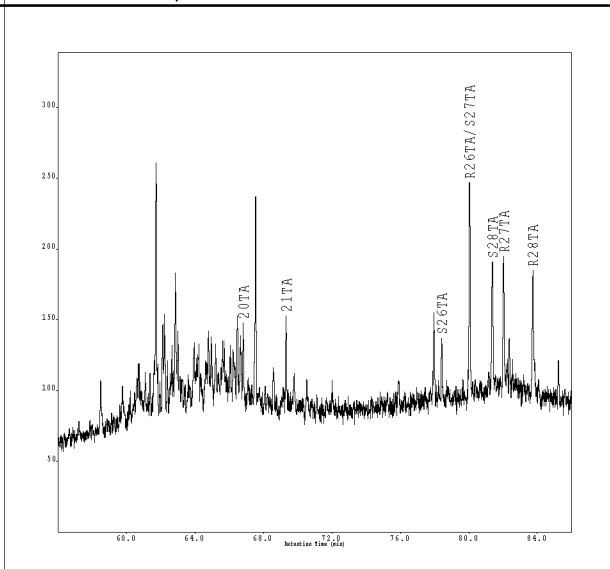
Retene m/z 219



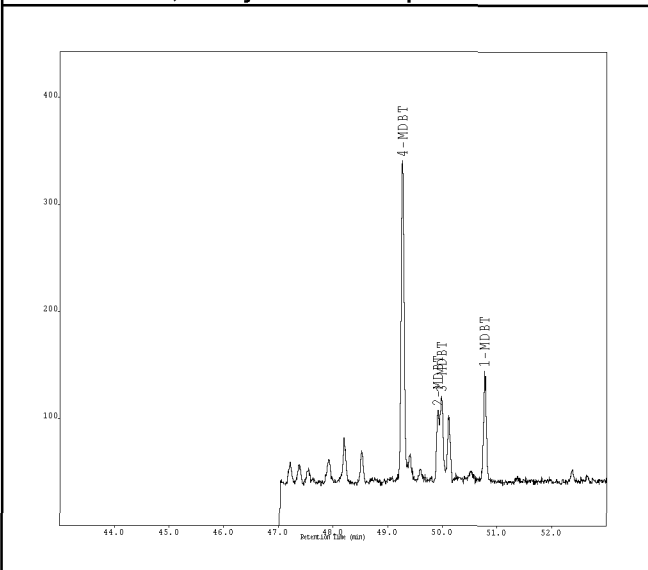
Aromatic HC's, dibenzothiophene m/z 184



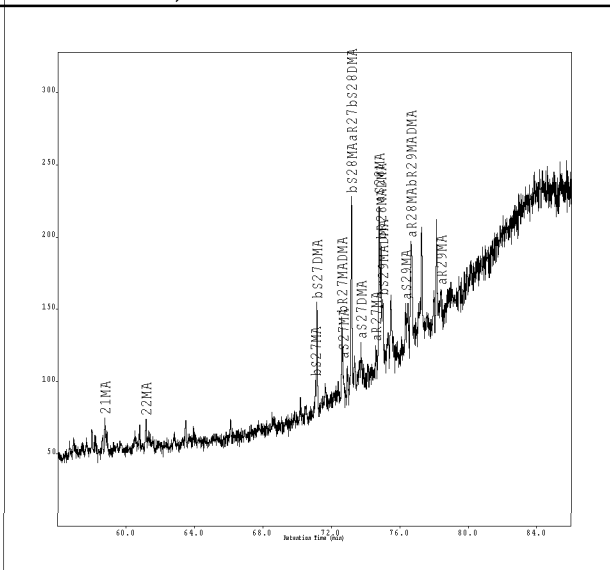
Aromatic HC's, triaromatic steroids m/z 231



Aromatic HC's, methyl-dibenzothiophenes m/z 198



Aromatic HC's, monoaromatic steroids m/z 253



Country, well/location: NOR 6305/9-1
 Sample type, depth (m): COCH, 2479.95-2479.95m
 Stratigraphy (Gr./Fm.):
 Remarks:

**Sediment
sample**



E&P Research Centre,
Bergen, Norway

OrgID: , PlanID:

Saturated HC's, GC/FID			cont...	Height	ng/mgEOM	cont...	Height	ng/mgEOM
	Area	ng/mgEOM	27b	311	3	Aromatic HC's, GC/MS		
nC11	1467	0	25nor28ab	307	3		Height	ng/mgEOM
nC12	1333	0	28ab	384	4	N	2011	2
nC13	5509	0	25nor29ab	218	2	2MN	3506	3
nC14	12282	0	29ab	5230	49	1MN	2530	2
iC16	32167	130	29ba	591	6	2EN	313	0
nC15	68563	270	29Ts	1415	13	1EN	216	0
nC16	121034	480	25nor30ab	78	1	2627DMN	1186	1
iC18	83527	330	30ab	4906	29	1317DMN	2097	1
nC17	114988	460	30ba	446	3	16DMN	1623	1
Prinstane	55437	220	30D	453	4	2314DMN	702	0
nC18	126846	510	30G	208	2	15DMN	401	0
Phytane	58717	230	30O	0	0	12DMN	460	0
nC19	183634	730	30D13	233	2	C3N1	163	0
nC20	285984	1140	31abS	2316	22	C3N2	156	0
nC21	285907	1140	31abR	1790	17	137TMN	729	1
nC22	171763	690	31ba	140	1	136TMN	1200	1
nC23	137946	550	32abS	1269	12	135146TMN	992	1
nC24	122676	490	32abR	1079	10	236TMN	689	0
nC25	197730	790	33abS	930	9	167127TMN	615	0
nC26	201040	800	33abR	702	7	126TMN	354	0
nC27	219935	880	34abS	629	6	124TMN	193	0
nC28	211291	840	34abR	479	4	125TMN	536	0
nC29	167409	670	35abS	562	5	BP	818	0
nC30	122935	490	35abR	451	4	3MBP	1188	1
nC31	96861	390	21aa	1464	20	4MBP	335	0
nC32	57127	230	21bb	1993	27	23XDMBP	46	0
nC33	48179	190	22aa	1325	18	25DMBP	25	0
nC34	32345	130	22bb	1111	15	2424XDMBP	32	0
nC35	21428	90	27dbS	2946	40	23DMBP	93	0
			27dbR	1831	25	3EBP	81	0
			27bbR	1609	22	35DMBP	295	0
			27bbS	1240	17	33XDMBP	814	1
			27aaR	633	9	4EBP	41	0
			28bbR	630	8	34XDMBP	390	0
			28bbS	796	11	44XDMBP	73	0
			29aaS	555	7	34DMBP	173	0
			29bbR	947	13	DBF	530	0
			29bbS	1012	14	DBF1	724	0
			29aaR	368	5	MDBF2	335	0
			30bbR	183	2	MDBF3	377	0
			30bbS	119	2	F	764	0
						C1F1	435	0
						C1F2	1140	1
						1MF	189	0
						DBT	252	0
						4MDBT	300	0
						3MDBT	0	0
						1MDBT	105	0
						P	5126	4
						3MP	1161	1
Saturated HC biomarkers, GC/MS								
	Height	ng/mgEOM						
19/3	643	6						
20/3	797	7						
21/3	1874	17						
23/3	7823	73						
24/3	3323	31						
25/3	0	0						
25/3R	1228	11						
25/3S	1362	13						
26/3R	976	9						
26/3S	1050	10						
28/3R	624	6						
28/3S	574	5						
29/3R	546	5						
29/3S	513	5						
24/4	4686	44						
27Ts	3332	31						
27Tm	1393	13						

Country, well/location: **NOR 6305/9-1**
 Sample type, depth (m): **COCH, 2479.95-2479.95m**
 Stratigraphy (Gr./Fm.):
 Remarks:
 OrgID: , PlanID:

**Sediment
sample**



E&P Reserach Centre,
Bergen, Norway

Aromatic HC's, GC/MS cont...		
	Height	ng/mgEOM
2MP	1408	1
9MP	1901	2
1MP	1421	1
2EP9EP36DMP	289	0
1EP	230	0
262735DMP	169	0
13210393DMP	916	1
162529DMP	466	0
17DMP	521	0
23DMP	171	0
194941DMP	315	0
18DMP	227	0
RETENE	371	0
20TA	55	0
21TA	69	0
S26TA	49	0
R26TAS27TA	154	0
S28TA	92	0
R27TA	100	0
R28TA	89	0

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2505-2505m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

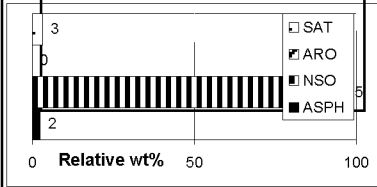


E&P Reserach Centre,
Bergen, Norway

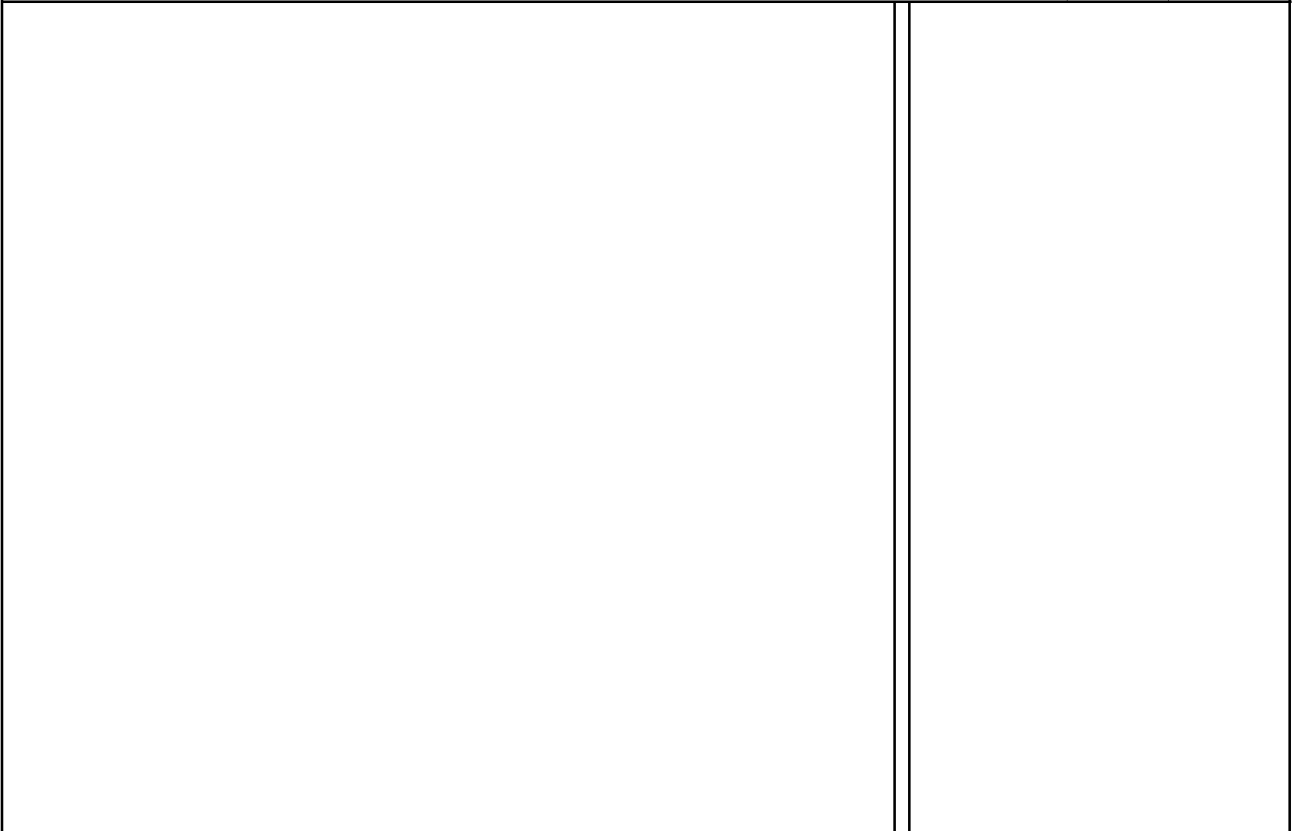
Remarks:

OrgID: 2129019, PlanID: 470568

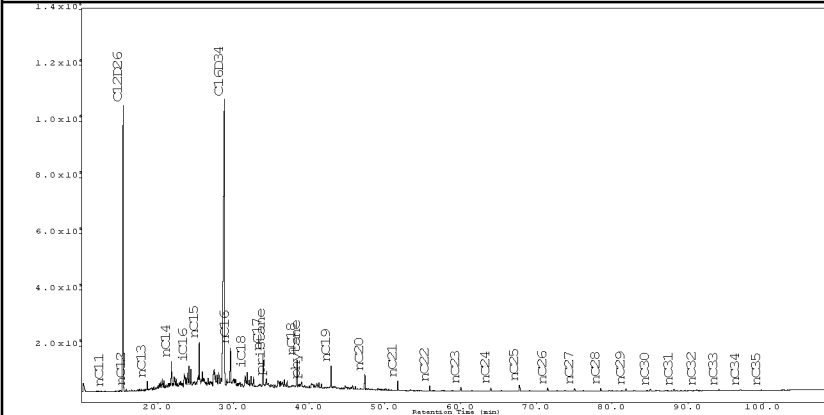
Bulk data, Introscean and EOM		Rock Eval		δ13C isotope		ISTD-mix.(ng/mg EOM):	
EOM, mg	86.0	S1, kg/t	1.5	Sat.	F28	C12D26	3600
EOM, %	0.6	S2, kg/t	1.7	Aro.	F29	C16D34	3600
EOM/TOC	220.5	PI	0.5	NSO	F30	24αββ	22
HC/nonHC	0.0	TOC, %	0.4	Asph.	F31	d8N	43
		HI	444	Total	F32	d10BP	38
		Tmax	314	Kerogen	F33	d10P	43
						d12C	43



PyGC:



GC/FID, C15+ hydrocarbons:



GC/FID	Area	ng/mgEOM
Pr/nC ₁₇	0.2	0.2
Ph/nC ₁₈	0.2	0.3
Pr/Ph	0.9	0.8
nC ₁₇ /(C ₁₇ +C ₂₇)	0.9	0.9
nC ₁₇		190
Pristane		30
ΣC ₁₅₋₃₅		1480

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2505-2505m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

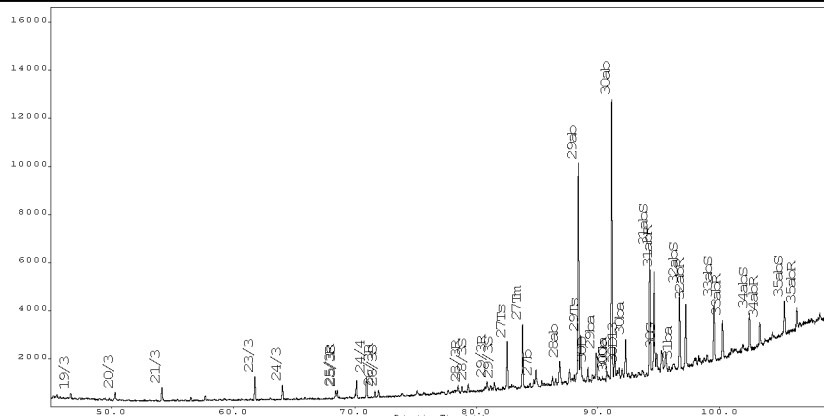


E&P Research Centre,
Bergen, Norway

Remarks:

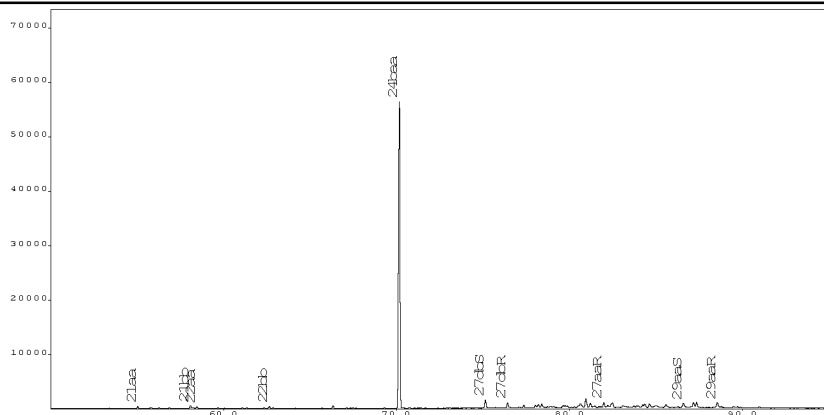
OrgID: 2129019, PlanID: 470568

GC/MS, Steranes, m/z 217:



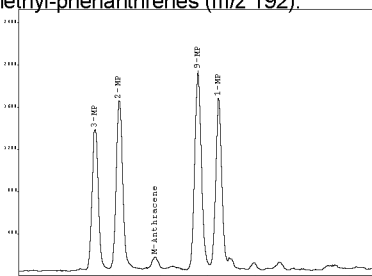
GC/MS	Height	ng/mgEOM
%Tri	6	6
%20/3	11	11
%23/3	61	62
%24/4	35	36
C26/C25	0.9	0.9
%27Ts	43	43
%28αβ	8	11
%29Ts	17	17
%25nor30αβ	4.3	6.4
%29αβ	43	54
%30βα	12	12
%30D	6	8
%30G	5	8
%32αβS	56	57
%35αβ	48	48
30αβ		2
25nor30αβ		0
Σterpanes		17
%29ααS	46	46
%29ββ	63	63
%27dia	49	49
%27ster.	34	34
%28ster.	25	25
%29ster.	34	35
%30ster.	7	7
29ααS		0
29ααR		0
Σsteranes		6

GC/MS, Steranes, m/z 217:

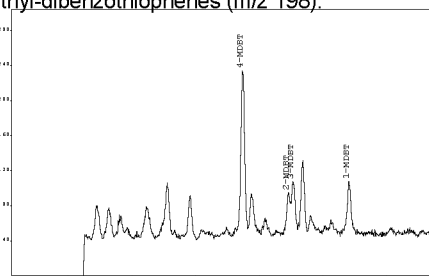


Aromatic hydrocarbons, GC/MS:

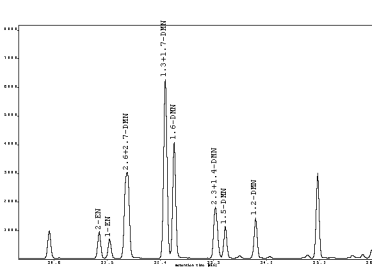
Methyl-phenanthrenes (m/z 192):



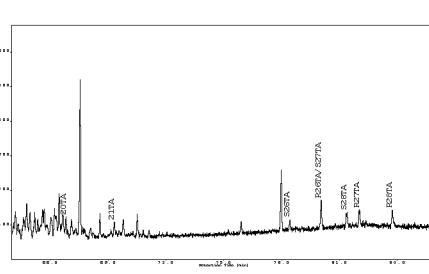
Methyl-dibenzothiophenes (m/z 198):



Dimethyl-naphthalenes (m/z 156):



Triaromatic steroids (m/z 231):



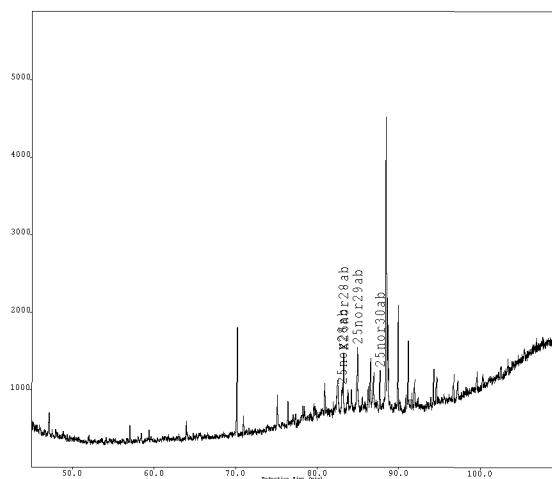
GC/MS	Height	ng/mgEOM
Naphth	3689	3
C1-naph.	13439	6
C2-naph.	17551	7
C3-naph.	13530	6
DNR	2.7	2.7
2/1MN	1.3	1.3
2/1EN	1.4	1.4
Phen.	5452	2
C1phen.	6415	3
C2-phen.	4008	2
MPI1	0.49	0.55
F1	0.46	0.46
F2	0.25	0.25
%TAS'n	34.5	33.3
DBT/P	0.03	0.01
F/P	0.19	0.19
BP/1.6DMN	0.46	0.32
4/1MDBT	3.03	2.00
3MP/R	2.1	2.5

Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2505-2505m

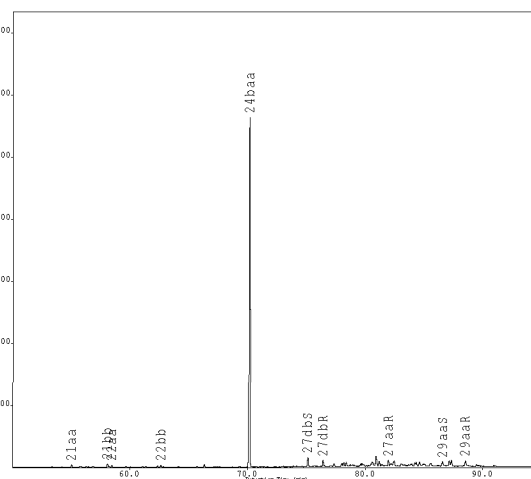
Sediment
sample



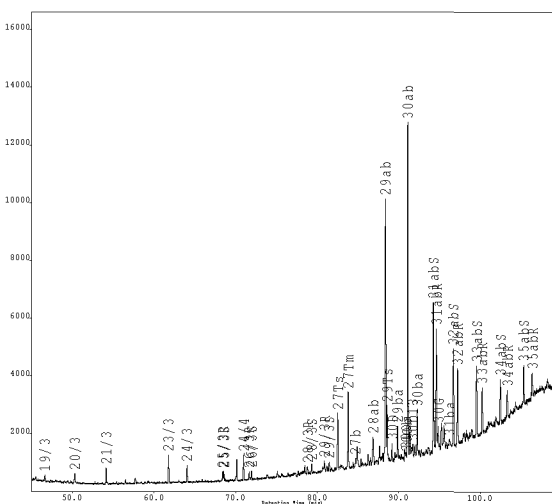
Saturated HC biomarkers, m/z 177



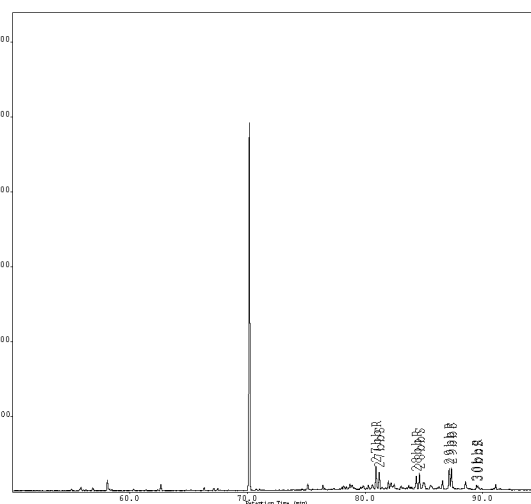
Saturated HC biomarkers, m/z 217



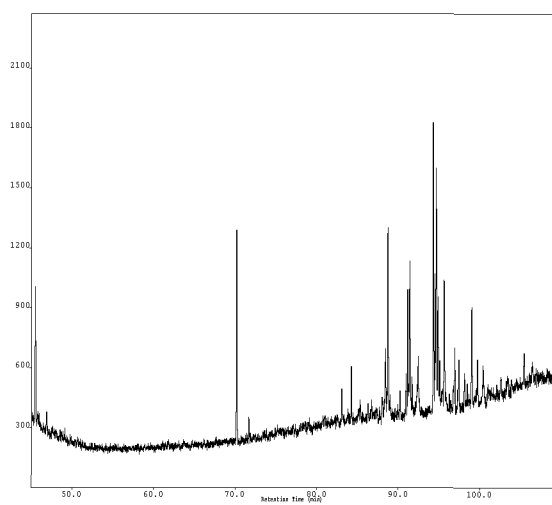
Saturated HC biomarkers, m/z 191



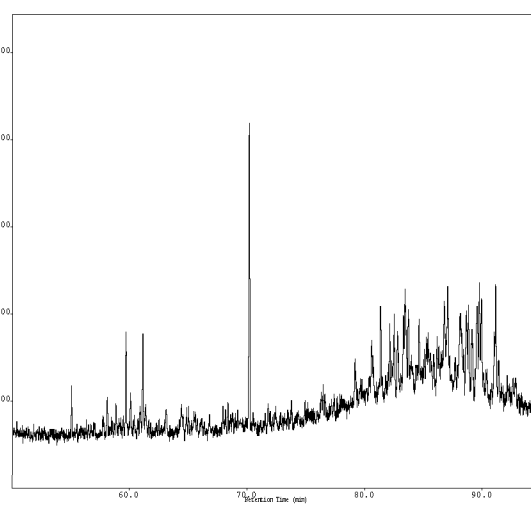
Saturated HC biomarkers, m/z 218



Saturated HC biomarkers, m/z 205



Saturated HC biomarkers, m/z 231

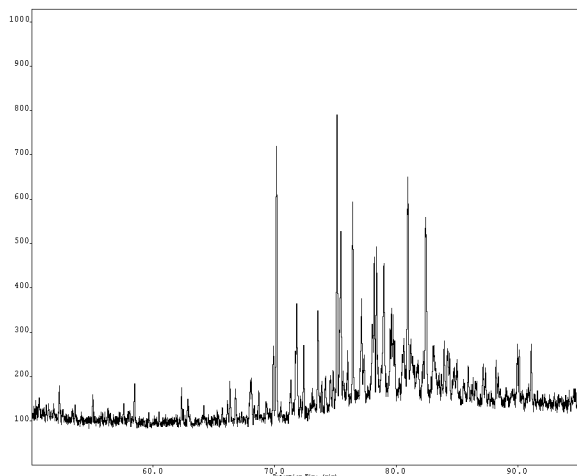


Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2505-2505m

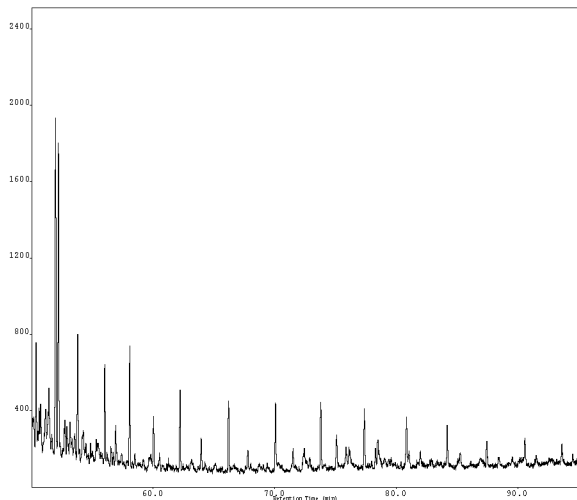
Sediment
sample



Saturated HC biomarkers, m/z 259



QC, monoaromatic steroids in SAT-fraction, m/z 253

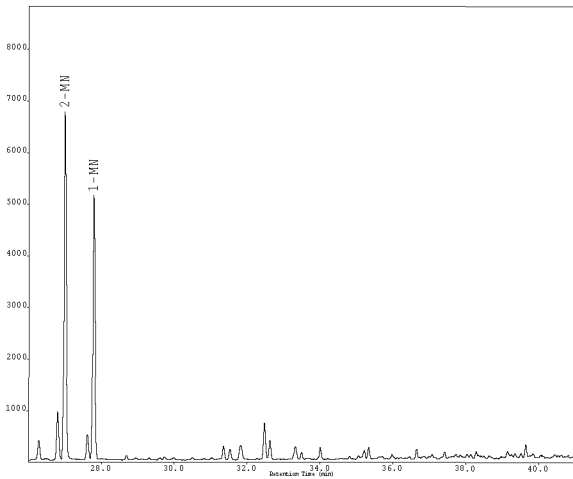


Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2505-2505m

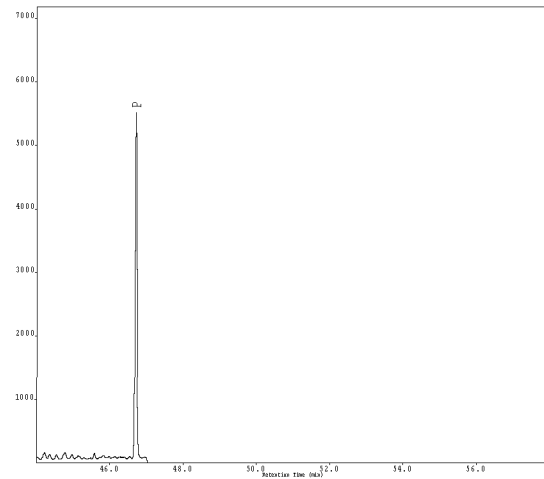
Sediment
sample



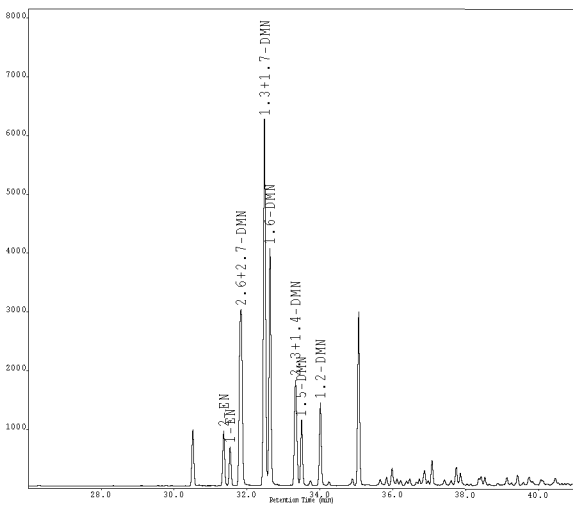
Aromatic HC's, methyl-naphthalenes m/z 142



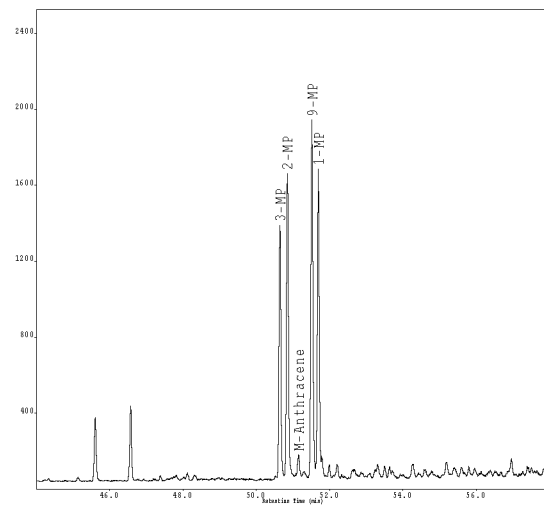
Aromatic HC's, phenanthrene m/z 178



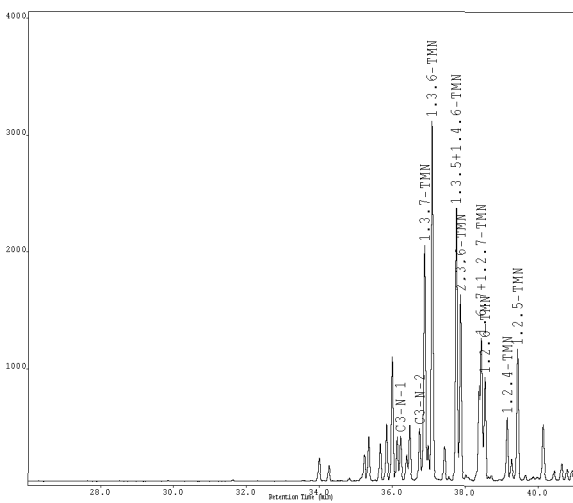
Aromatic HC's, C2-naphthalenes m/z 156



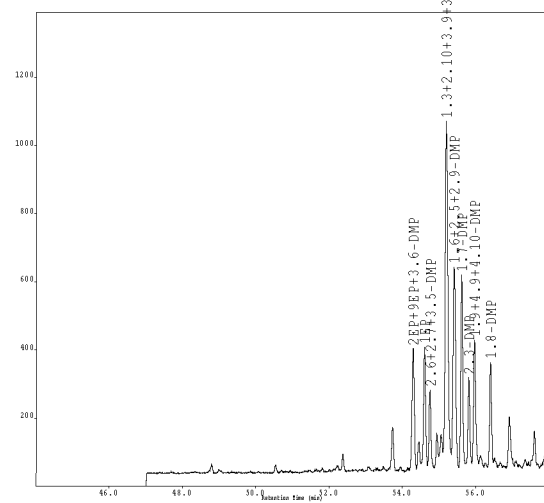
Aromatic HC's, methyl-phenanthrenes m/z 192



Aromatic HC's, C3-naphthalenes m/z 170



Aromatic HC's, dimethyl-phenanthrenes m/z 206

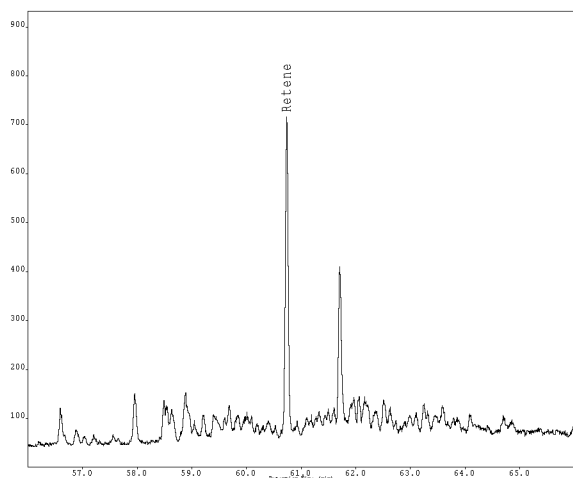


Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2505-2505m

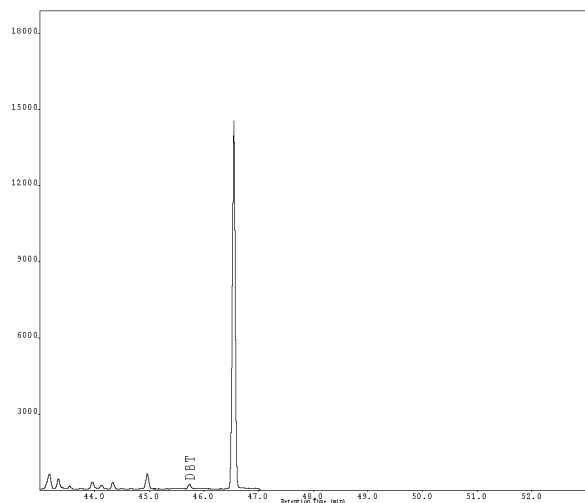
Sediment
sample



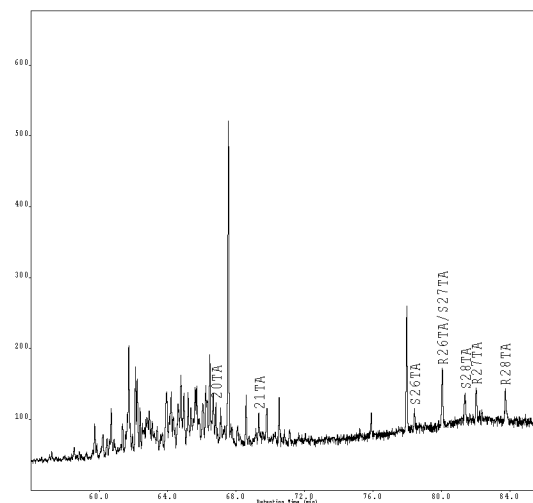
Retene m/z 219



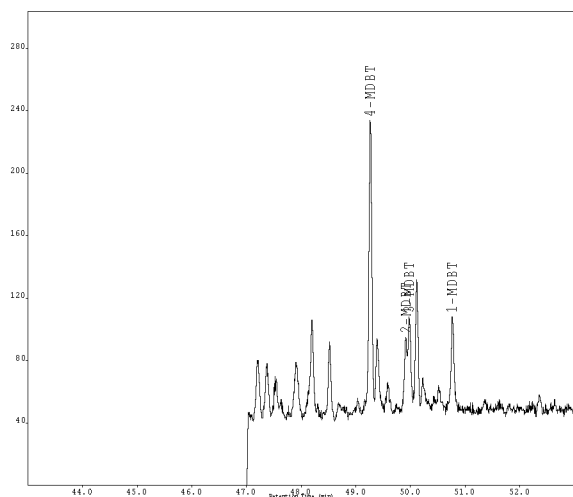
Aromatic HC's, dibenzothiophene m/z 184



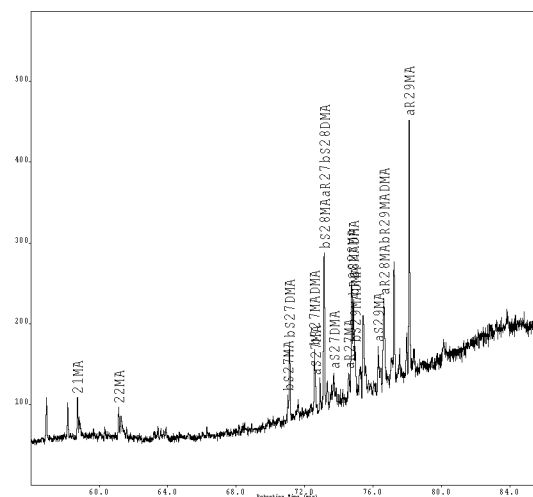
Aromatic HC's, triaromatic steroids m/z 231



Aromatic HC's, methyl-dibenzothiophenes m/z 198



Aromatic HC's, monoaromatic steroids m/z 253



Country, well/location: **NOR 6305/9-1**
 Sample type, depth (m): **SWC, 2505-2505m**
 Stratigraphy (Gr./Fm.):
 Remarks:

**Sediment
sample**



E&P Reserach Centre,
Bergen, Norway

OrgID: , PlanID:

Saturated HC's, GC/FID			cont...	Height	ng/mgEOM	cont...	Height	ng/mgEOM
	Area	ng/mgEOM	27b	340	0	Aromatic HC's, GC/MS		
nC11	12369	0	25nor28ab	303	0		Height	ng/mgEOM
nC12	64788	0	28ab	970	0	N	3689	3
nC13	96635	0	25nor29ab	769	0	2MN	6733	3
nC14	314889	0	29ab	8788	3	1MN	5113	2
iC16	372578	120	29ba	1183	0	2EN	932	0
nC15	567617	180	29Ts	1737	1	1EN	661	0
nC16	578757	190	25nor30ab	522	0	2627DMN	2993	1
iC18	223490	70	30ab	11638	2	1317DMN	6232	3
nC17	587002	190	30ba	1591	0	16DMN	4025	2
Prinstane	107053	30	30D	693	0	2314DMN	1786	1
nC18	507517	160	30G	658	0	15DMN	1107	0
Phytane	117965	40	30O	0	0	12DMN	1408	1
nC19	361384	120	30D13	408	0	C3N1	377	0
nC20	284765	90	31abS	5201	2	C3N2	443	0
nC21	161760	50	31abR	4148	1	137TMN	2006	1
nC22	97256	30	31ba	264	0	136TMN	3068	1
nC23	71688	20	32abS	3382	1	135146TMN	2326	1
nC24	71521	20	32abR	2606	1	236TMN	1585	1
nC25	152511	50	33abS	2507	1	167127TMN	1194	1
nC26	60064	20	33abR	1645	0	126TMN	867	0
nC27	48771	20	34abS	1570	0	124TMN	540	0
nC28	46710	20	34abR	925	0	125TMN	1124	0
nC29	42273	10	35abS	1414	0	BP	1839	1
nC30	30169	10	35abR	904	0	3MBP	3128	1
nC31	27823	10	21aa	385	0	4MBP	739	0
nC32	30602	10	21bb	517	0	23XDMBP	216	0
nC33	27435	10	22aa	353	0	25DMBP	88	0
nC34	17787	10	22bb	360	0	2424XDMBP	140	0
nC35	15380	0	27dbS	1501	1	23DMBP	422	0
			27dbR	994	0	3EBP	199	0
			27bbR	1474	1	35DMBP	907	0
			27bbS	1104	0	33XDMBP	2437	1
			27aaR	893	0	4EBP	73	0
			28bbR	847	0	34XDMBP	1005	0
			28bbS	1066	0	44XDMBP	160	0
			29aaS	707	0	34DMBP	381	0
			29bbR	1306	1	DBF	952	0
			29bbS	1324	1	DBF1	1348	1
			29aaR	834	0	MDBF2	506	0
			30bbR	271	0	MDBF3	554	0
			30bbS	240	0	F	1025	0
						C1F1	635	0
						C1F2	1273	0
						1MF	225	0
						DBT	181	0
						4MDBT	185	0
						3MDBT	0	0
						1MDBT	61	0
						P	5452	2
						3MP	1336	1
Saturated HC biomarkers, GC/MS								
	Height	ng/mgEOM						
19/3	216	0						
20/3	336	0						
21/3	581	0						
23/3	981	0						
24/3	628	0						
25/3	0	0						
25/3R	311	0						
25/3S	333	0						
26/3R	297	0						
26/3S	301	0						
28/3R	297	0						
28/3S	373	0						
29/3R	358	0						
29/3S	351	0						
24/4	882	0						
27Ts	1977	1						
27Tm	2634	1						

Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2505-2505m
Stratigraphy (Gr./Fm.):
Remarks:

**Sediment
sample**



E&P Reserach Centre,
Bergen, Norway

OrgID: , PlanID:

Aromatic HC's, GC/MS cont...

	Height	ng/mgEOM
2MP	1601	1
9MP	1884	1
1MP	1594	1
2EP9EP36DMP	356	0
1EP	348	0
262735DMP	229	0
13210393DMP	989	0
162529DMP	589	0
17DMP	565	0
23DMP	259	0
194941DMP	364	0
18DMP	309	0
RETENE	648	0
20TA	51	0
21TA	44	0
S26TA	34	0
R26TAS27TA	86	0
S28TA	44	0
R27TA	54	0
R28TA	53	0

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2527.5-2527.5m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

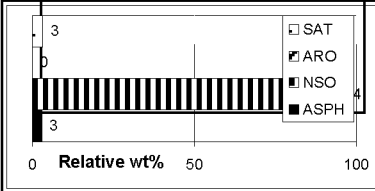


E&P Research Centre,
Bergen, Norway

Remarks:

OrgID: 2129017, PlanID: 470569

Bulk data, Interscan and EOM

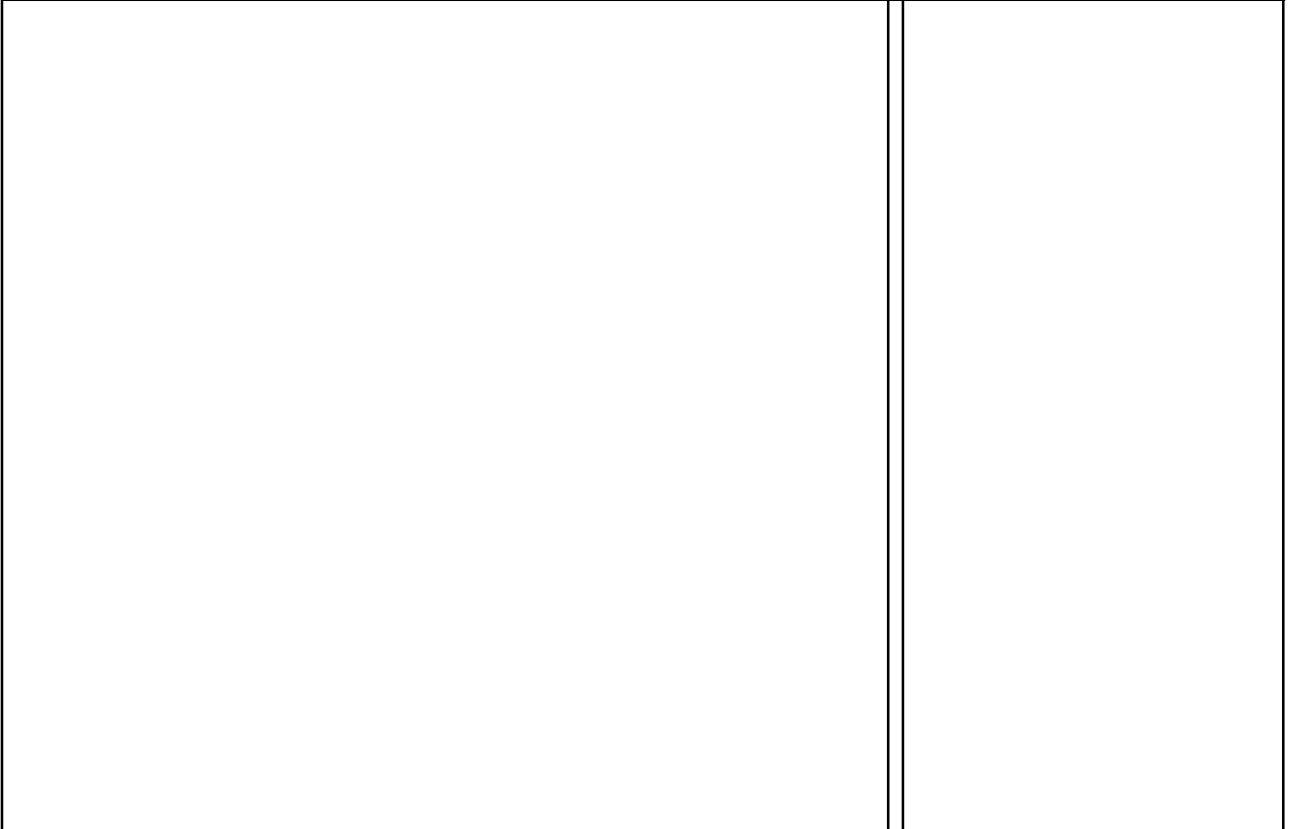


EOM, mg	66.0	S1, kg/t	1.2	Sat.	F28
EOM, %	0.4	S2, kg/t	0.9	Aro.	F29
EOM/TOC	244.4	PI	0.6	NSO	F30
HC/nonHC	0.0	TOC, %	0.3	Asph.	F31
		HI	337	Total	F32
		Tmax	312	Kerogen	F33

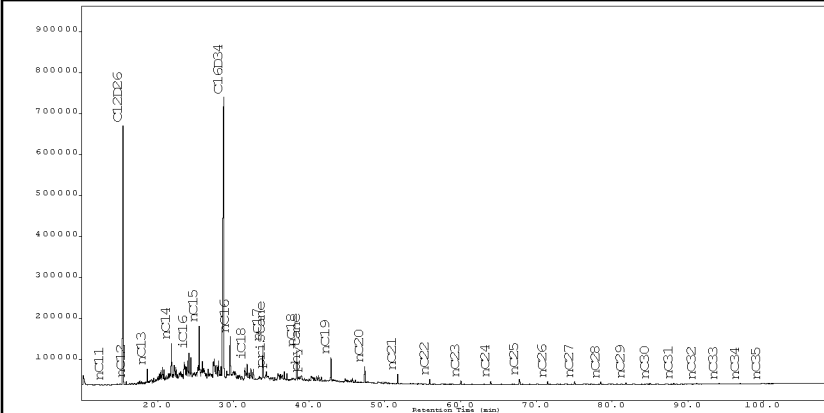
ISTD-mix.(ng/mg EOM):

C12D26		3650
C16D34		3650
24αββ		22
d8N		44
d10BP		39
d10P		44
d12C		44

PyGC:



GC/FID, C15+ hydrocarbons:



GC/FID	Area	ng/mgEOM
Pr/nC ₁₇	0.2	0.2
Ph/nC ₁₈	0.2	0.2
Pr/Ph	1.1	1.3
nC ₁₇ /(C ₁₇ +C ₂₇)	0.9	0.9
nC ₁₇		250
Pristane		50
ΣC ₁₅₋₃₅		1960

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2527.5-2527.5m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

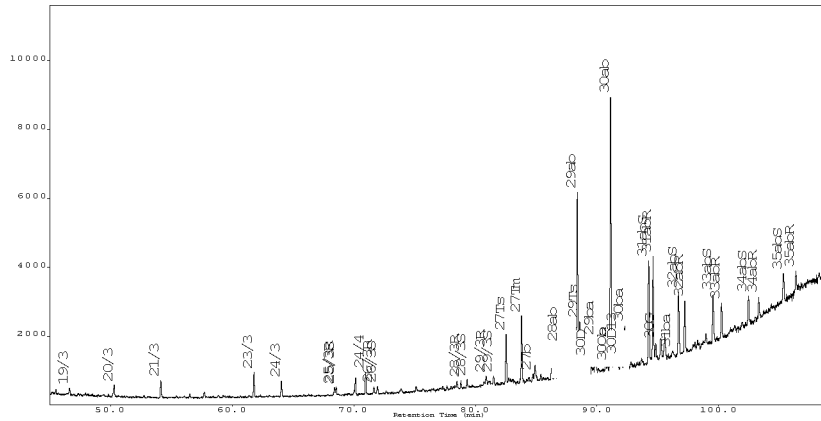


E&P Research Centre,
Bergen, Norway

Remarks:

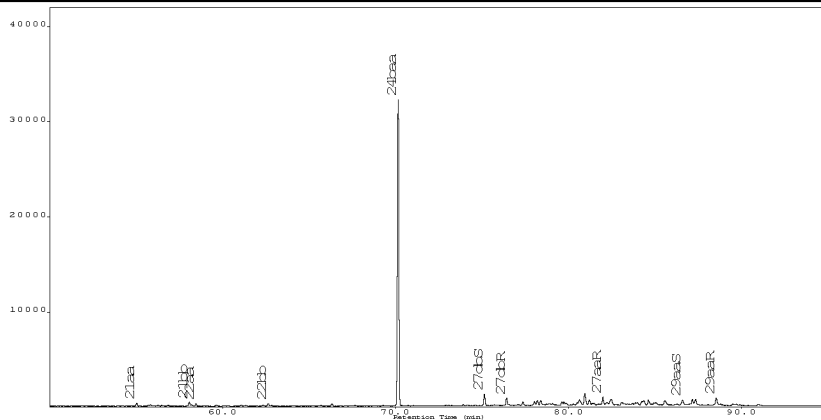
OrgID: 2129017, PlanID: 470569

GC/MS, Steranes, m/z 217:



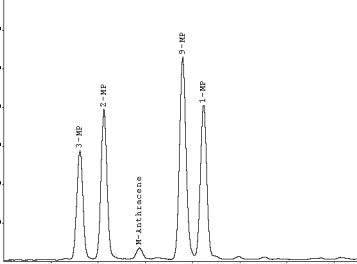
GC/MS	Height	ng/mgEOM
%Tri	7	7
%20/3	13	13
%23/3	61	61
%24/4	35	35
C26/C25	1.0	1.0
%27Ts	43	43
%28αβ	11	16
%29Ts	21	21
%25nor30αβ	0.8	1.1
%29αβ	39	50
%30βα	13	13
%30D	6	9
%30G	6	9
%32αβS	55	55
%35αβ	50	50
30αβ		3
25nor30αβ		0
Σterpanes		20
%29ααS	42	42
%29ββ	57	57
%27dia	50	51
%27ster.	37	37
%28ster.	24	24
%29ster.	32	32
%30ster.	6	7
29ααS		0
29ααR		1
Σsteranes		8

GC/MS, Steranes, m/z 217:

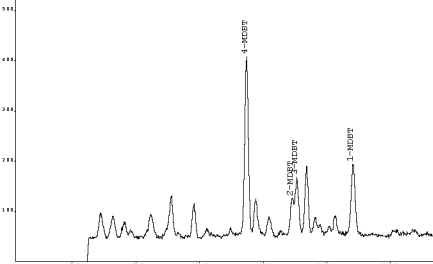


Aromatic hydrocarbons, GC/MS:

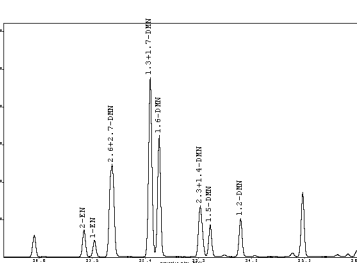
Methyl-phenanthrenes (m/z 192):



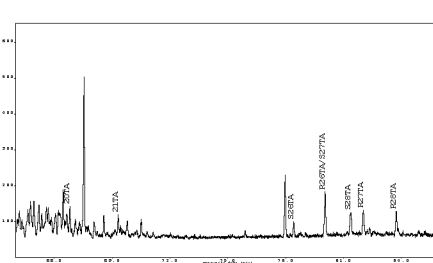
Methyl-dibenzothiophenes (m/z 198):



Dimethyl-naphthalenes (m/z 156):



Triaromatic steroids (m/z 231):



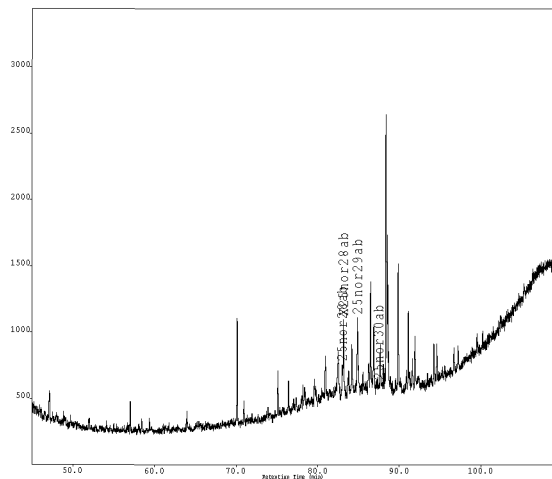
GC/MS	Height	ng/mgEOM
Naphth	6099	4
C1-naph.	24915	9
C2-naph.	27323	10
C3-naph.	17116	6
DNR	2.9	2.9
2/1MN	1.3	1.3
2/1EN	1.6	1.6
Phen.	14622	6
C1phen.	15952	7
C2-phen.	6372	3
MPI1	0.42	0.46
F1	0.42	0.42
F2	0.24	0.24
%TAS'n	34.9	33.3
DBT/P	0.03	0.01
F/P	0.12	0.09
BP/1.6DMN	0.54	0.38
4/1MDBT	2.47	2.50
3MP/R	2.8	3.2

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2527.5-2527.5m

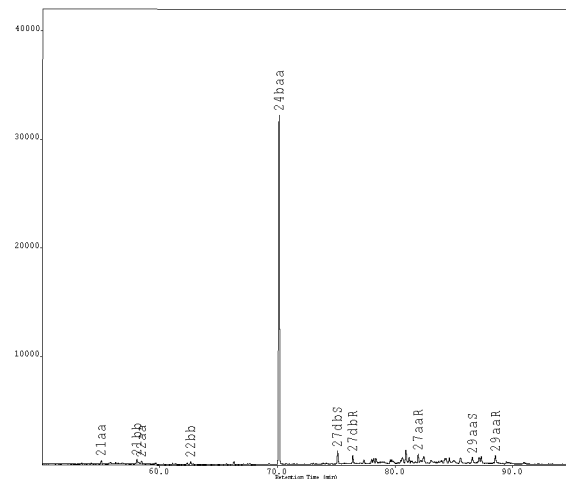
Sediment
 sample



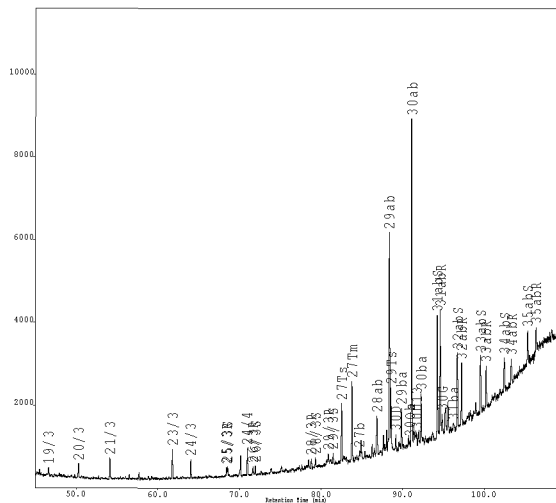
Saturated HC biomarkers, m/z 177



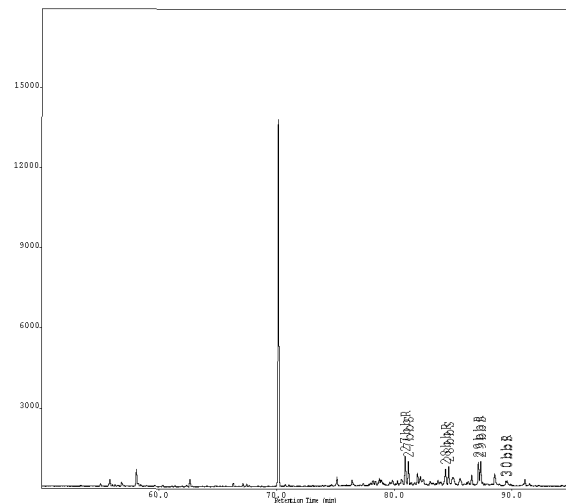
Saturated HC biomarkers, m/z 217



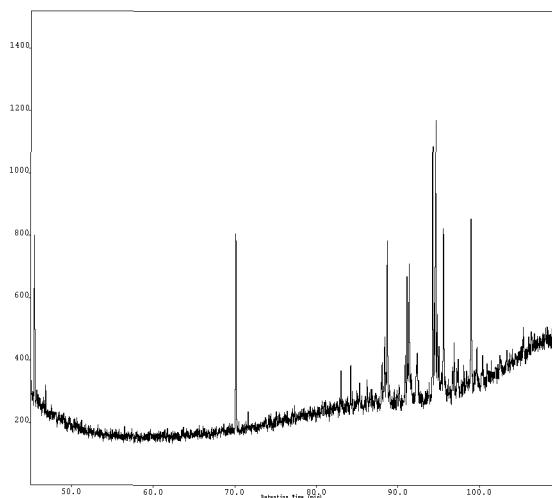
Saturated HC biomarkers, m/z 191



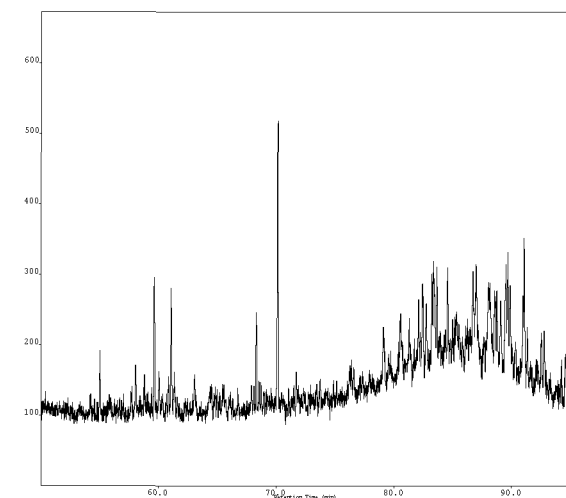
Saturated HC biomarkers, m/z 218



Saturated HC biomarkers, m/z 205



Saturated HC biomarkers, m/z 231

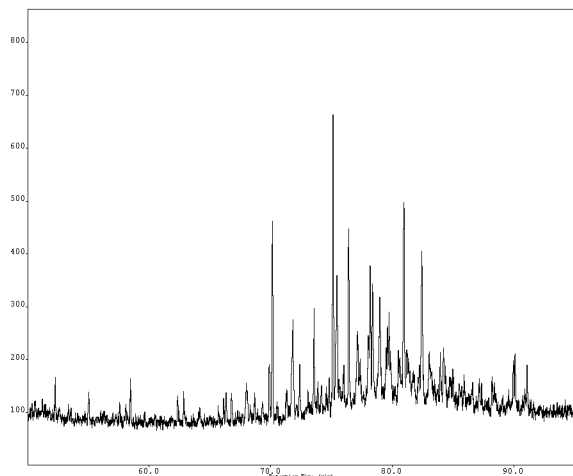


Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2527.5-2527.5m

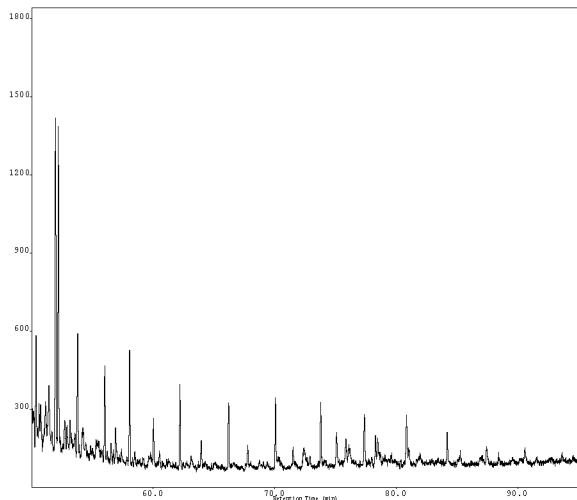
Sediment
sample



Saturated HC biomarkers, m/z 259



QC, monoaromatic steroids in SAT-fraction, m/z 253

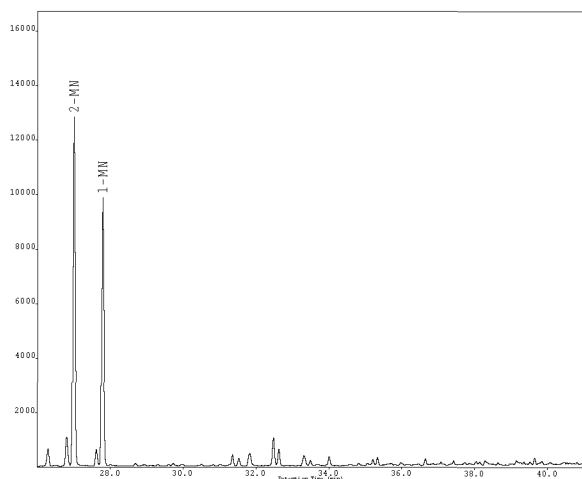


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2527.5-2527.5m

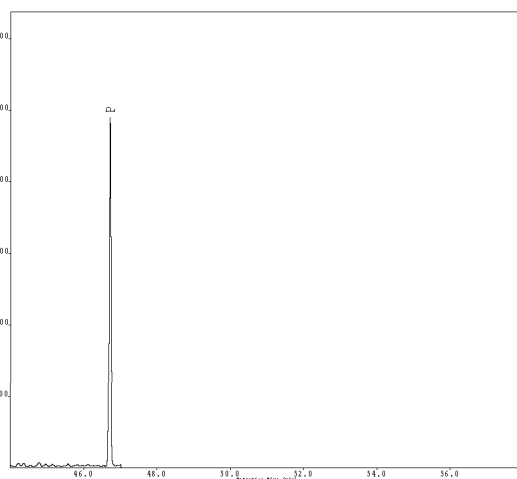
Sediment
 sample



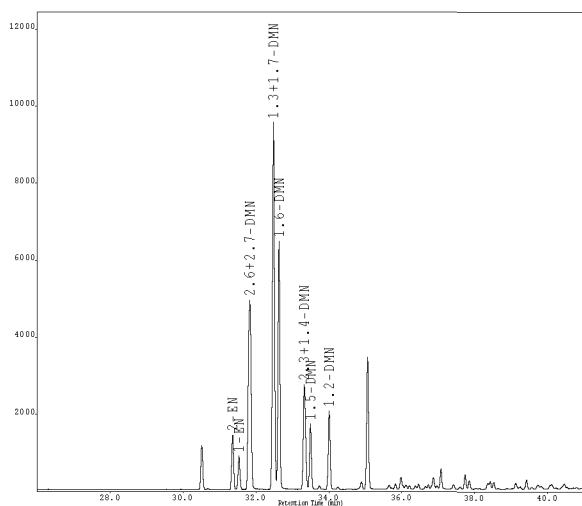
Aromatic HC's, methyl-naphthalenes m/z 142



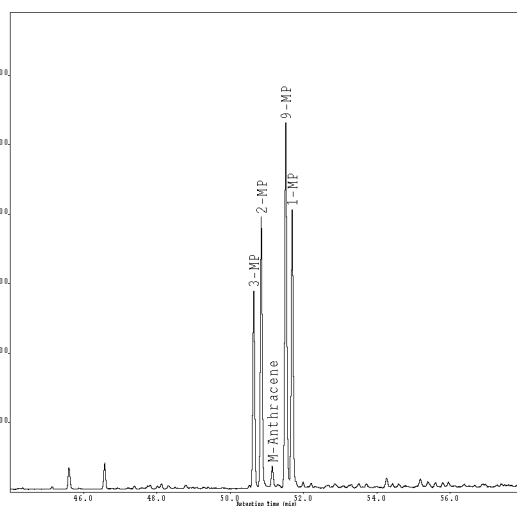
Aromatic HC's, phenanthrene m/z 178



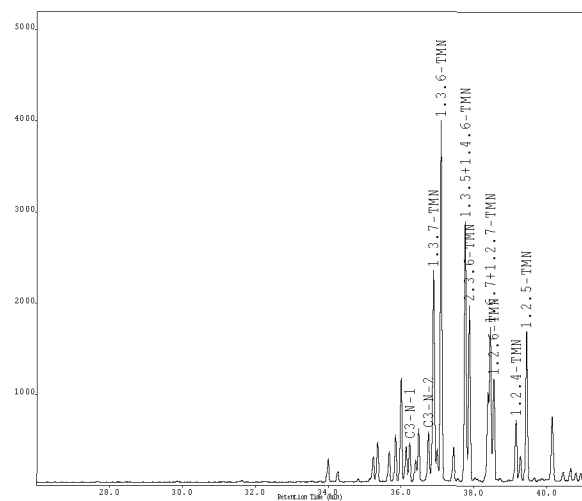
Aromatic HC's, C2-naphthalenes m/z 156



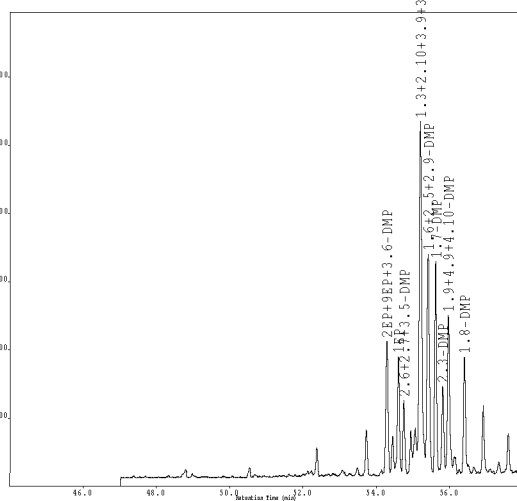
Aromatic HC's, methyl-phenanthrenes m/z 192



Aromatic HC's, C3-naphthalenes m/z 170



Aromatic HC's, dimethyl-phenanthrenes m/z 206

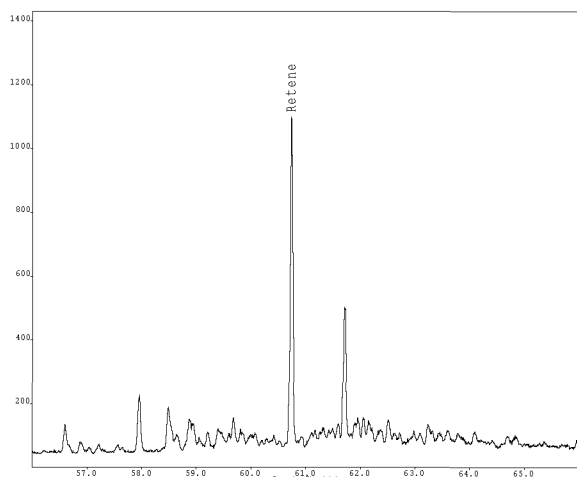


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2527.5-2527.5m

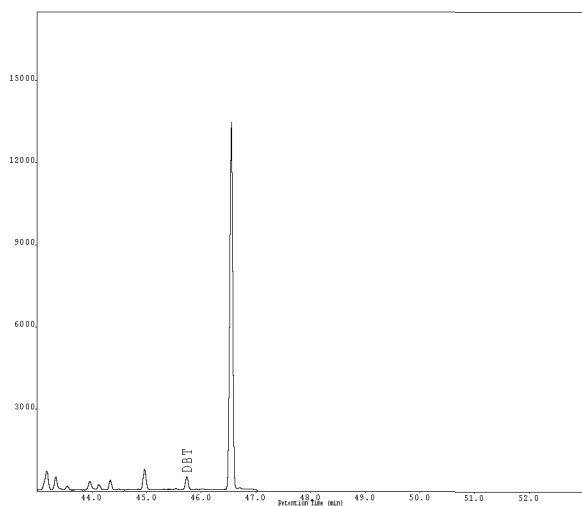
Sediment
 sample



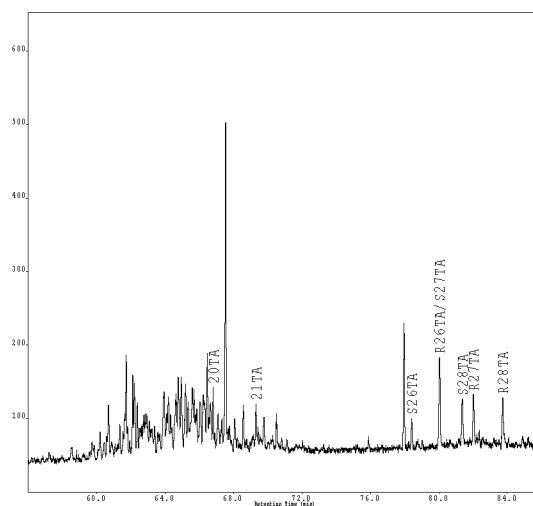
Retene m/z 219



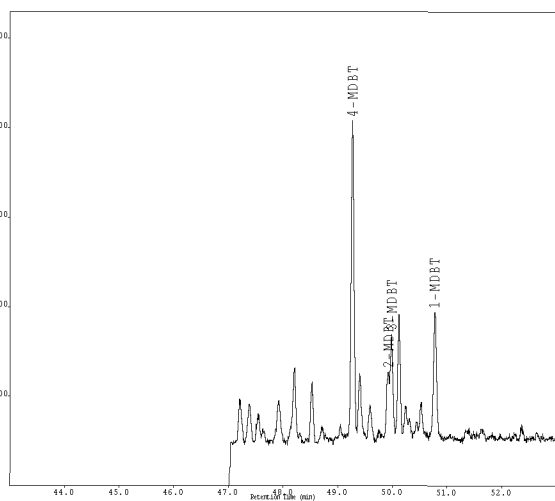
Aromatic HC's, dibenzothiophene m/z 184



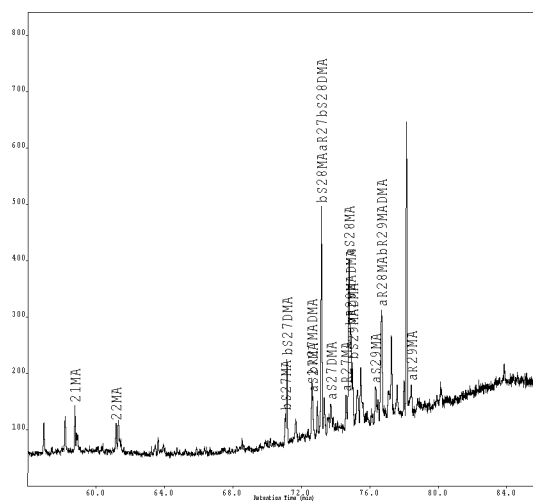
Aromatic HC's, triaromatic steroids m/z 231



Aromatic HC's, methyl-dibenzothiophenes m/z 198



Aromatic HC's, monoaromatic steroids m/z 253



Country, well/location: **NOR 6305/9-1**
 Sample type, depth (m): **SWC, 2527.5-2527.5m**
 Stratigraphy (Gr./Fm.):
 Remarks:

OrgID: , PlanID:

**Sediment
sample**



E&P Research Centre,
Bergen, Norway

Saturated HC's, GC/FID			cont...	Height	ng/mgEOM	cont...	Height	ng/mgEOM
	Area	ng/mgEOM	27b	246	0	Aromatic HC's, GC/MS		
nC11	7048	0	25nor28ab	232	0		Height	ng/mgEOM
nC12	59294	0	28ab	960	0	N	6099	4
nC13	110546	0	25nor29ab	503	0	2MN	12793	5
nC14	264950	0	29ab	5096	3	1MN	9833	4
iC16	319269	190	29ba	1005	1	2EN	1416	1
nC15	461375	270	29Ts	1372	1	1EN	873	0
nC16	431242	260	25nor30ab	67	0	2627DMN	4919	2
iC18	171447	100	30ab	7922	3	1317DMN	9530	3
nC17	421000	250	30ba	1168	0	16DMN	6432	2
Prinstane	78404	50	30D	480	0	2314DMN	2714	1
nC18	345540	210	30G	522	0	15DMN	1692	1
Phytane	71189	40	30O	0	0	12DMN	2036	1
nC19	252417	150	30D13	386	0	C3N1	428	0
nC20	193774	120	31abS	3036	2	C3N2	543	0
nC21	107330	60	31abR	3039	2	137TMN	2306	1
nC22	69817	40	31ba	201	0	136TMN	3944	1
nC23	50963	30	32abS	1819	1	135146TMN	2853	1
nC24	44471	30	32abR	1487	1	236TMN	1919	1
nC25	91876	50	33abS	1459	1	167127TMN	1703	1
nC26	38548	20	33abR	1036	1	126TMN	1109	0
nC27	39560	20	34abS	832	0	124TMN	676	0
nC28	29025	20	34abR	662	0	125TMN	1635	1
nC29	23959	10	35abS	837	0	BP	3485	1
nC30	15647	10	35abR	653	0	3MBP	4335	1
nC31	14698	10	21aa	329	0	4MBP	1113	0
nC32	10534	10	21bb	419	0	23XDMBP	224	0
nC33	9821	10	22aa	283	0	25DMBP	96	0
nC34	5076	0	22bb	286	0	2424XDMBP	162	0
nC35	4833	0	27dbS	1188	1	23DMBP	512	0
			27dbR	748	1	3EBP	262	0
			27bbR	1056	1	35DMBP	1049	0
			27bbS	852	1	33XDMBP	2651	1
			27aaR	818	1	4EBP	100	0
			28bbR	570	0	34XDMBP	1447	1
			28bbS	677	1	44XDMBP	250	0
			29aaS	528	0	34DMBP	735	0
			29bbR	836	1	DBF	1749	0
			29bbS	813	1	DBF1	2428	1
			29aaR	717	1	MDBF2	1002	0
			30bbR	171	0	MDBF3	1479	1
			30bbS	157	0	F	1757	1
						C1F1	1115	0
						C1F2	2467	1
						1MF	462	0
						DBT	474	0
						4MDBT	353	0
						3MDBT	0	0
						1MDBT	143	0
						P	14622	6
						3MP	2831	1
Saturated HC biomarkers, GC/MS								
	Height	ng/mgEOM						
19/3	204	0						
20/3	337	0						
21/3	516	0						
23/3	738	0						
24/3	466	0						
25/3	0	0						
25/3R	213	0						
25/3S	230	0						
26/3R	224	0						
26/3S	223	0						
28/3R	249	0						
28/3S	315	0						
29/3R	224	0						
29/3S	285	0						
24/4	648	0						
27Ts	1438	1						
27Tm	1945	1						

Country, well/location: **NOR 6305/9-1**
 Sample type, depth (m): **SWC, 2527.5-2527.5m**
 Stratigraphy (Gr./Fm.):
 Remarks:
 OrgID: , PlanID:

**Sediment
sample**



E&P Reserach Centre,
Bergen, Norway

Aromatic HC's, GC/MS cont...		
	Height	ng/mgEOM
2MP	3881	2
9MP	5248	2
1MP	3992	2
2EP9EP36DMP	585	0
1EP	503	0
262735DMP	324	0
13210393DMP	1520	1
162529DMP	956	0
17DMP	924	0
23DMP	376	0
194941DMP	673	0
18DMP	511	0
RETENE	1028	0
20TA	73	0
21TA	57	0
S26TA	42	0
R26TAS27TA	126	0
S28TA	65	0
R27TA	70	0
R28TA	71	0

Country, well/location: **NOR 6305/9-1**
 Sample type, depth (m): **SWC, 2548-2548m**
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

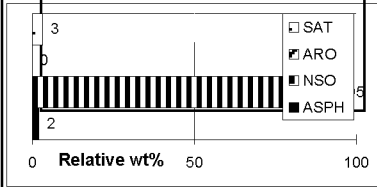


E&P Reserach Centre,
Bergen, Norway

Remarks:

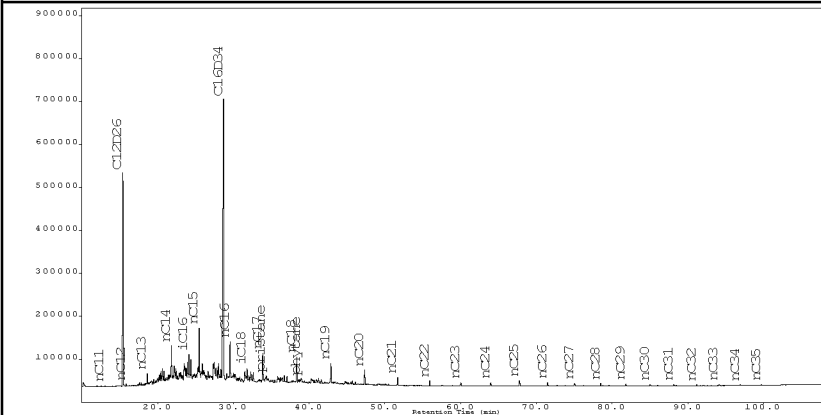
OrgID: 2129013, PlanID: 470570

Bulk data, Introscean and EOM		Rock Eval		δ13C isotope		ISTD-mix.(ng/mg EOM):	
EOM, mg	54.6	S1, kg/t	1.2	Sat.	F28	C12D26	3660
EOM, %	0.6	S2, kg/t	1.1	Aro.	F29	C16D34	3660
EOM/TOC	170.6	PI	0.5	NSO	F30	24αββ	22
HC/nonHC	0.0	TOC, %	0.3	Asph.	F31	d8N	44
		HI	347	Total	F32	d10BP	39
		Tmax	312	Kerogen	F33	d10P	44
						d12C	44



PyGC:

GC/FID, C15+ hydrocarbons:



GC/FID	Area	ng/mgEOM
Pr/nC ₁₇	0.2	0.2
Ph/nC ₁₈	0.2	0.2
Pr/Ph	1.2	1.3
nC ₁₇ /(C ₁₇ +C ₂₇)	0.9	0.9
nC ₁₇		240
Pristane		40
ΣC ₁₅₋₃₅		2000

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2548-2548m
 Stratigraphy (Gr./Fm.):

**Sediment
sample**

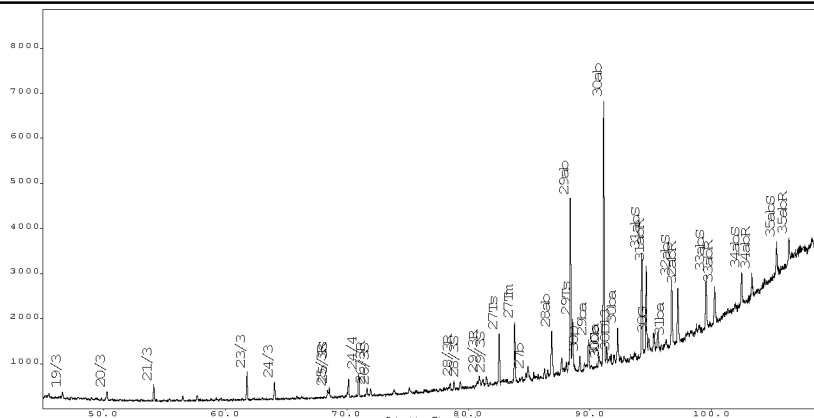


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Bergen, Norway

Remarks:

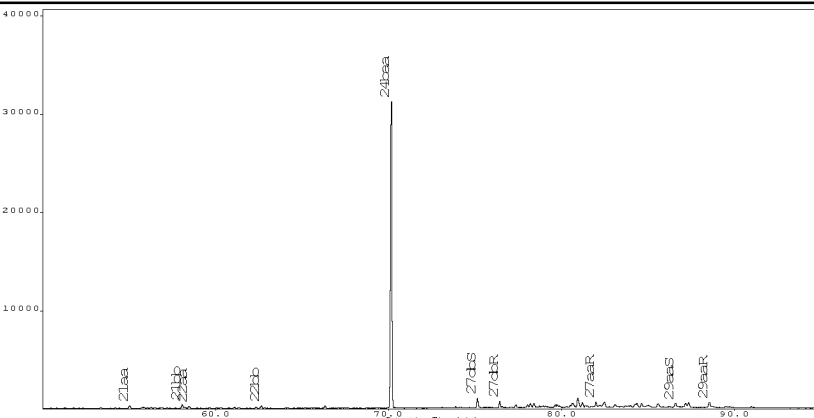
OrgID: 2129013, PlanID: 470570

GC/MS, Steranes, m/z 217:



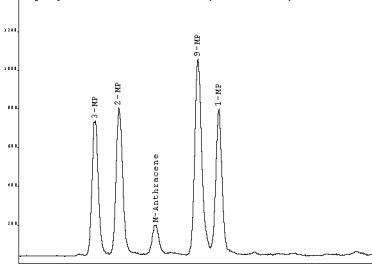
GC/MS	Height	ng/mgEOM
%Tri	7	8
%20/3	10	10
%23/3	61	60
%24/4	33	33
C26/C25	0.9	0.9
%27Ts	46	46
%28αβ	15	21
%29Ts	22	22
%25nor30αβ	5.1	7.8
%29αβ	39	50
%30βα	12	12
%30D	5	8
%30G	5	8
%32αβS	54	54
%35αβ	52	52
30αβ		2
25nor30αβ		0
Σterpanes		16
%29ααS	47	46
%29ββ	59	58
%27dia	52	52
%27ster.	36	36
%28ster.	26	26
%29ster.	31	31
%30ster.	7	7
29ααS		0
29ααR		0
Σsteranes		6

GC/MS, Steranes, m/z 217:

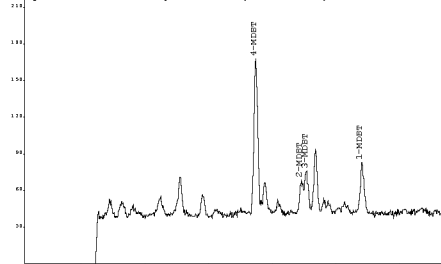


Aromatic hydrocarbons, GC/MS:

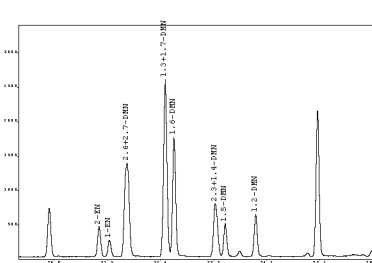
Methyl-phenanthrenes (m/z 192):



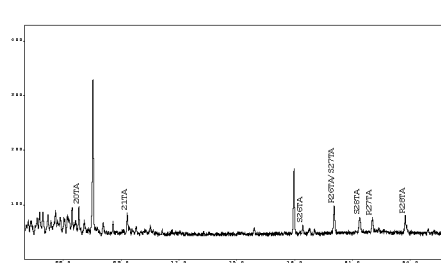
Methyl-dibenzothiophenes (m/z 198):



Dimethyl-naphthalenes (m/z 156):



Triaromatic steroids (m/z 231):



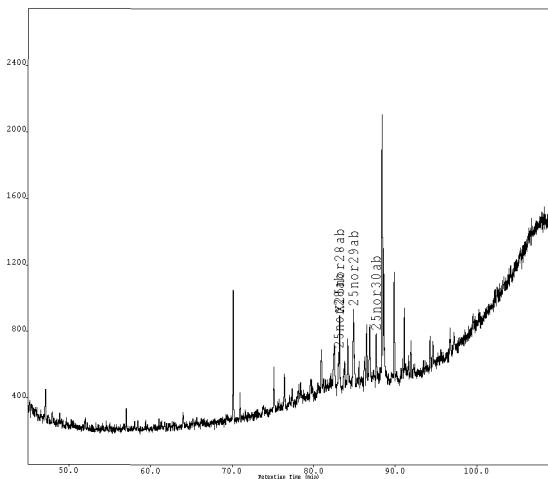
GC/MS	Height	ng/mgEOM
Naphth	4170	5
C1-naph.	10343	6
C2-naph.	7516	4
C3-naph.	4246	2
DNR	2.8	2.8
2/1MN	1.3	1.3
2/1EN	1.8	1.8
Phen.	3369	2
C1phen.	3225	2
C2-phen.	2181	1
MPI1	0.43	0.47
F1	0.45	0.45
F2	0.24	0.24
%TAS'n	41.1	33.3
DBT/P	0.04	0.02
F/P	0.17	0.15
BP/1.6DMN	0.77	0.54
4/1MDBT	3.05	2.00
3MP/R	1.4	1.6

Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2548-2548m

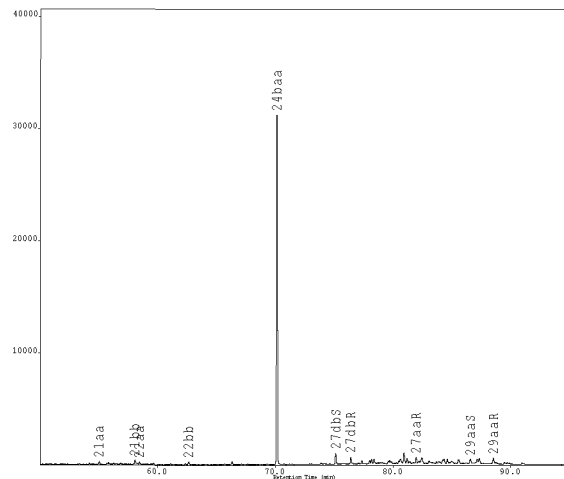
Sediment
 sample



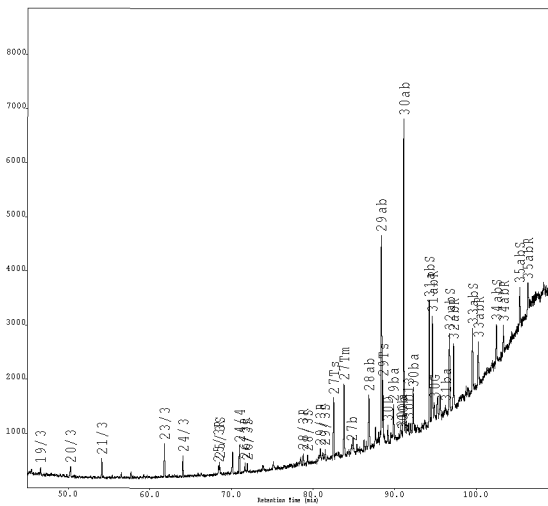
Saturated HC biomarkers, m/z 177



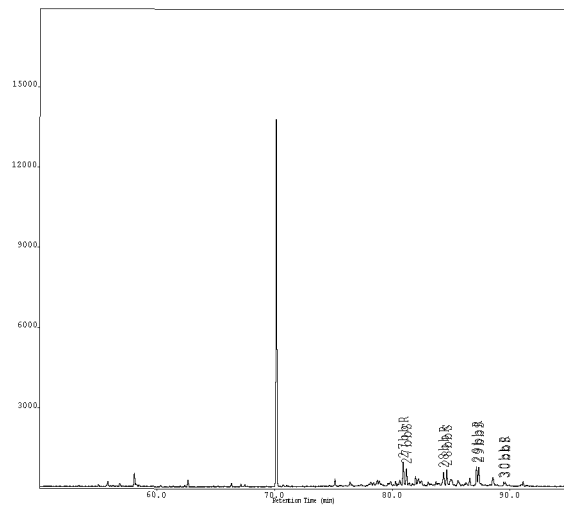
Saturated HC biomarkers, m/z 217



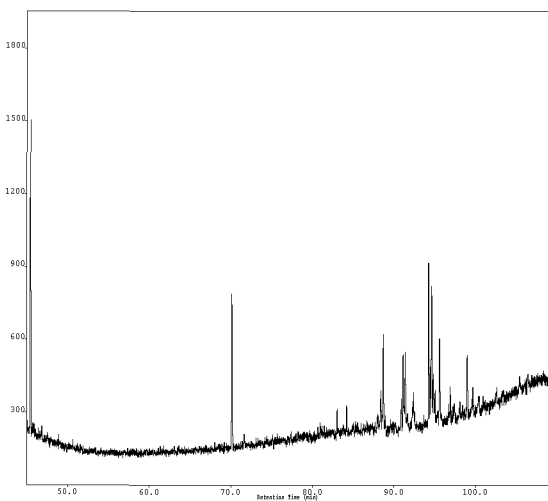
Saturated HC biomarkers, m/z 191



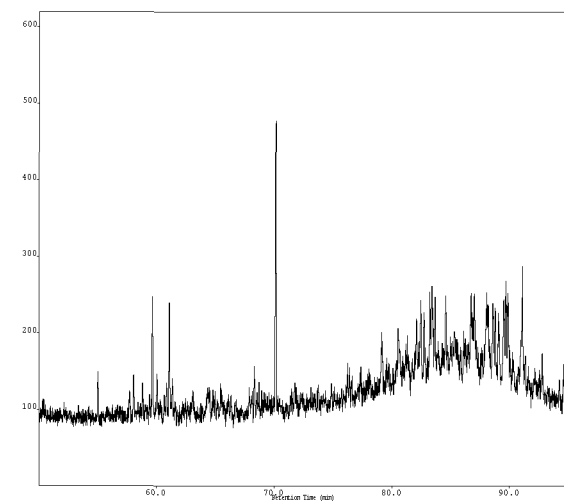
Saturated HC biomarkers, m/z 218



Saturated HC biomarkers, m/z 205



Saturated HC biomarkers, m/z 231

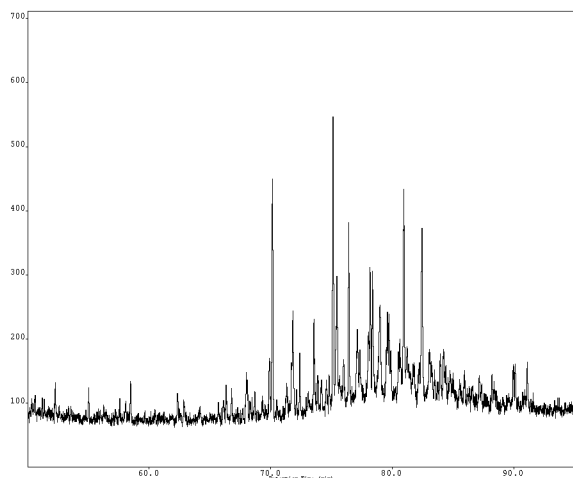


Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2548-2548m

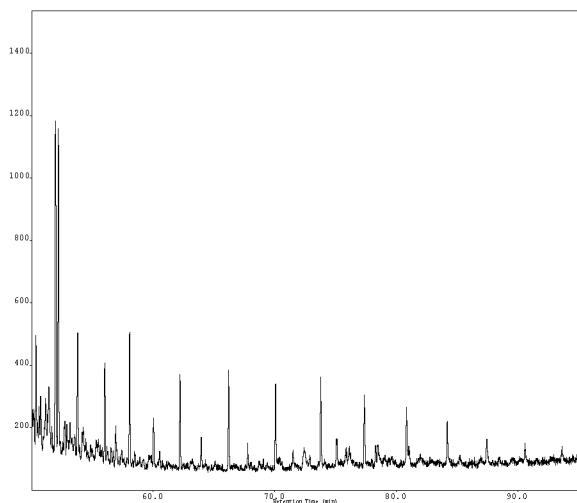
Sediment
sample



Saturated HC biomarkers, m/z 259



QC, monoaromatic steroids in SAT-fraction, m/z 253

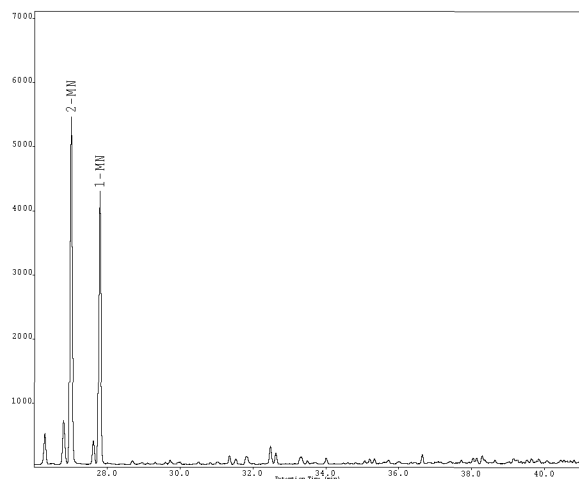


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2548-2548m

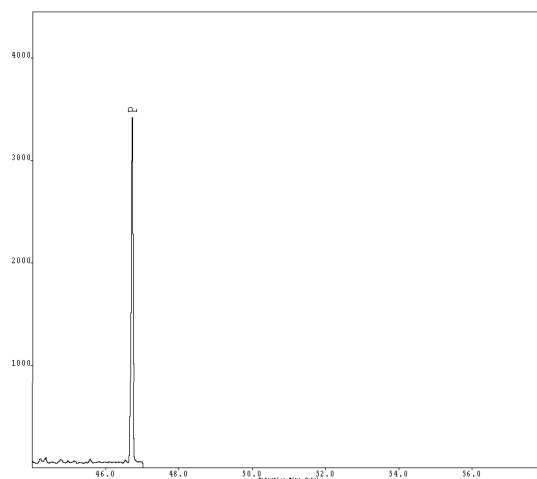
Sediment
 sample



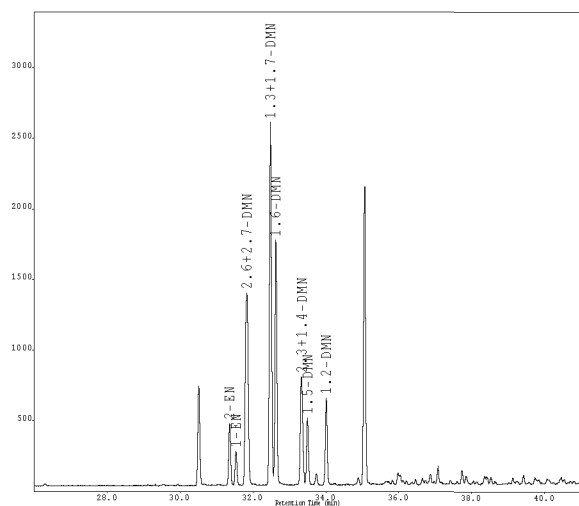
Aromatic HC's, methyl-naphthalenes m/z 142



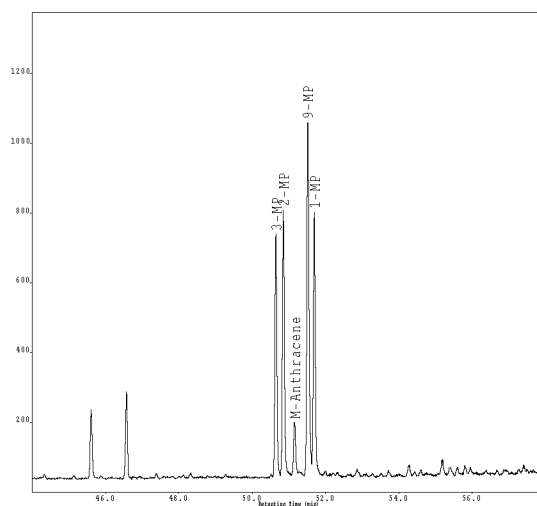
Aromatic HC's, phenanthrene m/z 178



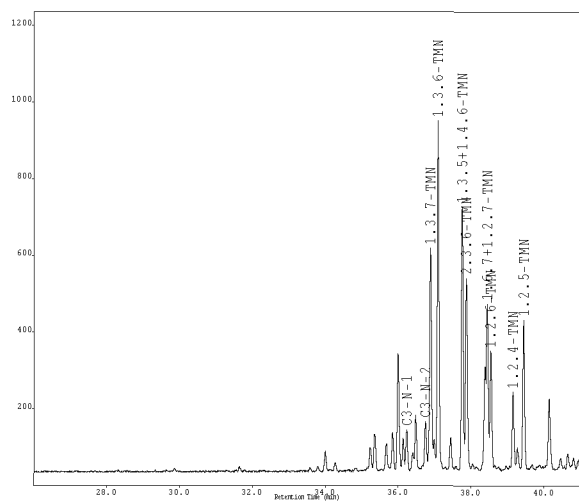
Aromatic HC's, C2-naphthalenes m/z 156



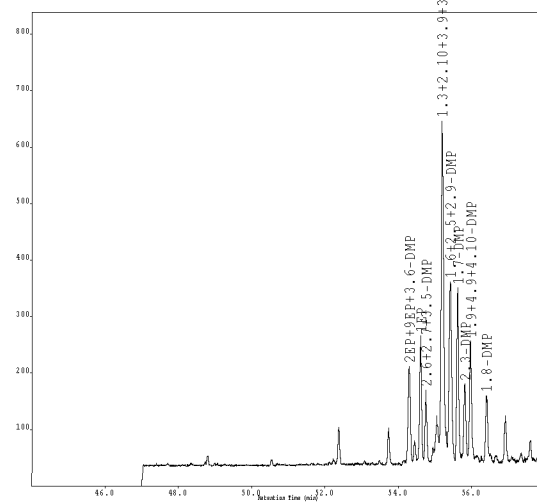
Aromatic HC's, methyl-phenanthrenes m/z 192



Aromatic HC's, C3-naphthalenes m/z 170



Aromatic HC's, dimethyl-phenanthrenes m/z 206

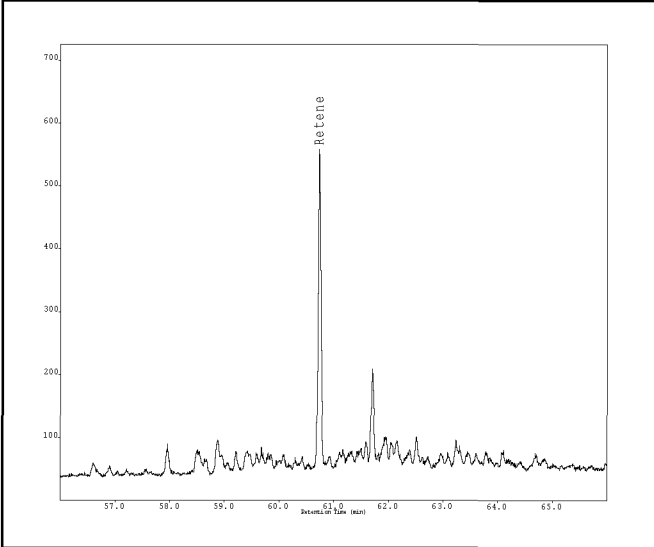


Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2548-2548m

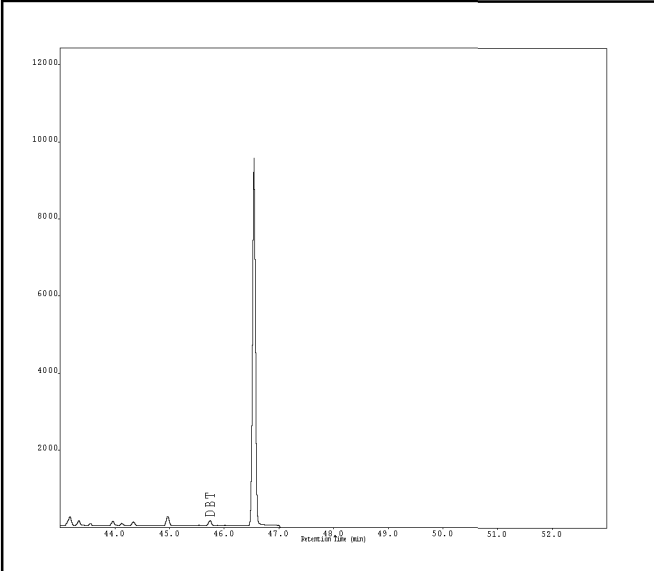
Sediment
 sample



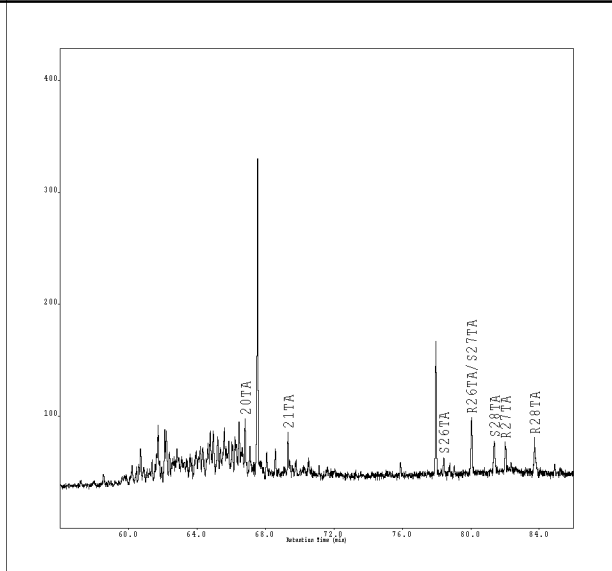
Retene m/z 219



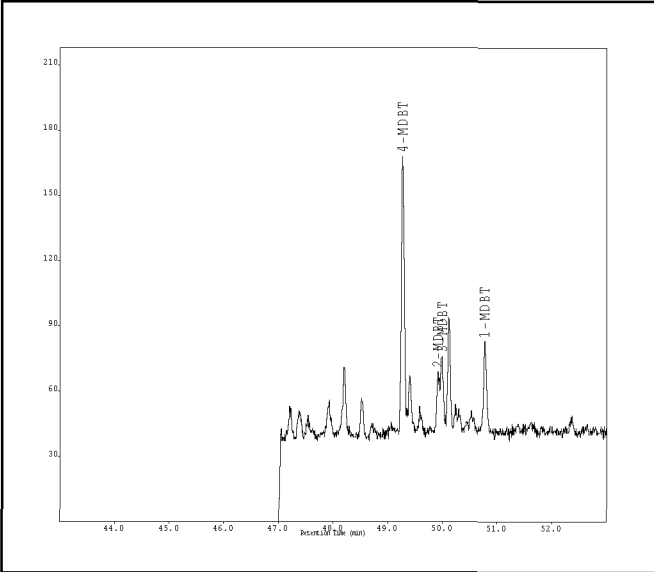
Aromatic HC's, dibenzothiophene m/z 184



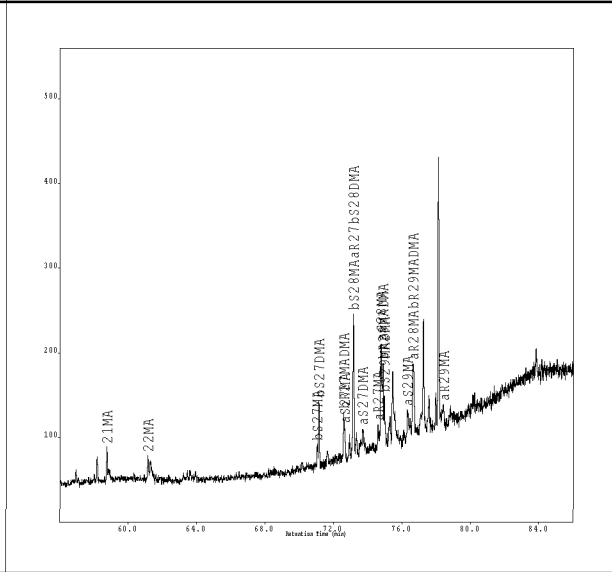
Aromatic HC's, triaromatic steroids m/z 231



Aromatic HC's, methyl-dibenzothiophenes m/z 198



Aromatic HC's, monoaromatic steroids m/z 253



Country, well/location: NOR 6305/9-1
 Sample type, depth (m): SWC, 2548-2548m
 Stratigraphy (Gr./Fm.):
 Remarks:
 OrgID: , PlanID:

**Sediment
sample**



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Bergen, Norway

Saturated HC's, GC/FID			cont...	Height	ng/mgEOM	cont...	Height	ng/mgEOM
	Area	ng/mgEOM	27b	196	0	Aromatic HC's, GC/MS		
nC11	5397	0	25nor28ab	204	0		Height	ng/mgEOM
nC12	34534	0	28ab	1024	1	N	4170	5
nC13	92116	0	25nor29ab	444	0	2MN	5413	3
nC14	269156	0	29ab	3720	2	1MN	4255	3
iC16	303480	210	29ba	622	0	2EN	435	0
nC15	417622	290	29Ts	1073	1	1EN	240	0
nC16	380788	260	25nor30ab	315	0	2627DMN	1361	1
iC18	133159	90	30ab	5845	2	1317DMN	2568	1
nC17	348220	240	30ba	772	0	16DMN	1731	1
Prinstane	60643	40	30D	340	0	2314DMN	763	0
nC18	275961	190	30G	336	0	15DMN	478	0
Phytane	49585	30	30O	0	0	12DMN	615	0
nC19	224269	160	30D13	212	0	C3N1	107	0
nC20	169096	120	31abS	2321	1	C3N2	124	0
nC21	91348	60	31abR	1960	1	137TMN	575	0
nC22	53108	40	31ba	230	0	136TMN	906	1
nC23	47703	30	32abS	1441	1	135146TMN	687	0
nC24	46088	30	32abR	1232	1	236TMN	500	0
nC25	91059	60	33abS	1230	1	167127TMN	445	0
nC26	38145	30	33abR	832	0	126TMN	308	0
nC27	34594	20	34abS	778	0	124TMN	204	0
nC28	32249	20	34abR	557	0	125TMN	390	0
nC29	25155	20	35abS	836	0	BP	1327	1
nC30	16833	10	35abR	636	0	3MBP	1014	0
nC31	19589	10	21aa	265	0	4MBP	339	0
nC32	13111	10	21bb	357	0	23XDMBP	60	0
nC33	12402	10	22aa	215	0	25DMBP	35	0
nC34	10308	10	22bb	238	0	2424XDMBP	57	0
nC35	8589	10	27dbS	953	1	23DMBP	191	0
			27dbR	641	0	3EBP	84	0
			27bbR	849	1	35DMBP	213	0
			27bbS	621	0	33XDMBP	445	0
			27aaR	492	0	4EBP	40	0
			28bbR	496	0	34XDMBP	337	0
			28bbS	561	0	44XDMBP	83	0
			29aaS	413	0	34DMBP	172	0
			29bbR	665	1	DBF	600	0
			29bbS	596	0	DBF1	542	0
			29aaR	475	0	MDBF2	233	0
			30bbR	147	0	MDBF3	322	0
			30bbS	147	0	F	587	0
						C1F1	245	0
						C1F2	566	0
						1MF	143	0
						DBT	129	0
						4MDBT	128	0
						3MDBT	0	0
						1MDBT	42	0
						P	3369	2
						3MP	697	0
Saturated HC biomarkers, GC/MS								
	Height	ng/mgEOM						
19/3	160	0						
20/3	195	0						
21/3	373	0						
23/3	626	0						
24/3	408	0						
25/3	0	0						
25/3R	150	0						
25/3S	244	0						
26/3R	184	0						
26/3S	173	0						
28/3R	236	0						
28/3S	206	0						
29/3R	219	0						
29/3S	216	0						
24/4	515	0						
27Ts	1151	1						
27Tm	1335	1						

Country, well/location: NOR 6305/9-1
Sample type, depth (m): SWC, 2548-2548m
Stratigraphy (Gr./Fm.):
Remarks:

**Sediment
sample**



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Bergen, Norway

OrgID: , PlanID:

Aromatic HC's, GC/MS cont...

	Height	ng/mgEOM
2MP	763	1
9MP	1013	1
1MP	752	0
2EP9EP36DMP	171	0
1EP	223	0
262735DMP	127	0
13210393DMP	580	0
162529DMP	316	0
17DMP	305	0
23DMP	132	0
194941DMP	209	0
18DMP	118	0
RETENE	506	0
20TA	44	0
21TA	39	0
S26TA	16	0
R26TAS27TA	52	0
S28TA	31	0
R27TA	27	0
R28TA	32	0