SFUND RECORDS CTR
2160037

SEVERN TRENT STL

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600 Fax: 916 372 1059
www.stl-inc.com

December 27, 2004

STL SACRAMENTO PROJECT NUMBER: G4L080479
PO/CONTRACT: W91238-04-F-0084

Dan Jablonski
CH2M Hill Inc
3 Hutton Centre Drive
Suite 200
Santa Ana, CA 92707

Dear Mr. Jablonski,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on December 8, 2004. These samples are associated with your Omega Chemical project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4362.

Sincerely,

Diana Brooks
Project Manager

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WATER, 410.4, Demand, Chemical Oxygen 256-276
Samples: 1, 2, 3, 4, 5, 6
- Sample Data Sheets
- Method Blank Reports
- Laboratory QC Reports
- Raw Data Package

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G4L080479

WATER, 1625 Modified, Semivolatiles by HRMS

This batch was associated with a sample that had a very high concentration of the target compound Nitrosodimethylamine (NDMA). The associated method blank, LCS and samples were therefore contaminated at similar levels. All samples that had a positive for NDMA were re-extracted outside of hold time for this compound.

The method blank was contaminated with the target compound Nitrosodimethylamine (NDMA) above the client requested reporting limit. All the associated samples are non detect below the reporting limit of 2.0 ng/L and are not impacted by this anomaly except the following:

Due to the background levels in the method blank, sample -002 will be reported as non detect at an elevated reporting limit of 2.1 ng/L as this is our actual lower calibration limit for this sample.

There were no anomalies associated with this project.

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon	CA 200005
Arizona	AZ0616	Pennsylvania	68-02272
Arkansas	NA	South Carolina	87014001
California	01963	Utah	QUANT
Connecticut	PH-0691	Virginia	00178
Florida	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA 044	USACE	NA
New Mexico	CA005	USDA Foreign Plant	37-82605
New York*	11666	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request.

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary
G4L080479

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
G0K68	1	OC2-MW1A-W-0-98	12/7/04 08:05 AM	12/8/04 10:00 AM
G0K69	2	OC2-MW1B-W-0-99	12/7/04 08:45 AM	12/8/04 10:00 AM
G0K7A	3	OC2-MW6-W-0-100	12/7/04 09:35 AM	12/8/04 10:00 AM
G0K7D	4	OC2-MW9B-W-0-101	12/7/04 10:30 AM	12/8/04 10:00 AM
G0K7E	5	OC2-MW7A-W-0-102	12/7/04 11:40 AM	12/8/04 10:00 AM
G0K7F	6	OC2-MW7A-W-1-103	12/7/04 12:00 PM	12/8/04 10:00 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

G4L080479

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
CH2M HILL	DAN JABLONSKI	12/7/04	142904

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
3 HUTTON CNTR DR. STE.200	714-435-6215 / 714-429-2050		

City	State	Zip Code	Site Contact	Lab Contact
SANTA ANA	CA	92707	DAN JABLONSKI	DIANA-BROOKS

Project Name and Location (State)	Carrier/Waybill Number
OMEGA CHEMICAL WHITTIER, CA	FED-EX # 8204 8670 5310

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 1,2,3-TCP	NDMA	COD	Special Instructions/ Conditions of Receipt
OC2-MW1A-W-0-98	12/7/04	0805		X			X	X					X	X	X	
OC2-MW1B-W-0-99	↓	0845		X			X	X					X	X	X	
OC2-MW6-W-0-100	↓	0935		X			X	X					X	X	X	
OC2-MW9B-W-0-101	↓	1030		X			X	X					X	X	X	LAB QC
OC2-MW7A-W-0-102	↓	1140		X			X	X					X	X	X	
OC2-MW7A-W-1-103	↓	1200		X			X	X					X	X	X	

RECEIVED IN GOOD CONDITION UNDER COC
DEC - 8 2004
INI [signature]

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [signature]	12/7/04	1700	1. Received By [signature]	12-8-04	1245
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT CH2mHill PM DB LOG # 29949

LOT# (QUANTIMS ID) G4L080479 QUOTE# 60733 LOCATION W6A

	Initials	Date
DATE RECEIVED 12-8-04 TIME RECEIVED 1000	CH	12-8-04

DELIVERED BY ☑ FEDEX ☐ CA OVERNIGHT ☐ CLIENT ☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL ☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS ☐ STL COURIER ☐ COURIERS ON DEMAND ☐ OTHER

CUSTODY SEAL STATUS ☑ INTACT ☐ BROKEN ☐ N/A

CUSTODY SEAL #(S) Seals

SHIPPPING CONTAINER(S) ☑ STL ☐ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1☐ 3☑ ☐ OTHER

COC #(S) 142904

TEMPERATURE BLANK 2°

SAMPLE TEMPERATURE 6°

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☐ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☑ N/A

VOA-ENCORES ☑ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☑ N/A

☑ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ Clouseau ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes:

*1 Acceptable temperature range for State of Wisconsin samples is ≤ 4°C.

WATER, 1625 Modified, Semivolatiles by HRMS

CH2M Hill Inc

Client Sample ID: OC2-MW1A-W-0-98

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-001 **Work Order #...:** G0K681AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/13/04 **Analysis Date..:** 12/16/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	81	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW1A-W-0-98

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-001 **Work Order #...:** G0K682AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	28	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW1B-W-0-99

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-002 **Work Order #...:** G0K691AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/13/04 **Analysis Date..:** 12/16/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	67	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW1B-W-0-99

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-002 **Work Order #...:** G0K692AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND G	2.1	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	30	(25 - 150)

NOTE(S):

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

CH2M Hill Inc

Client Sample ID: OC2-MW6-W-0-100

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-003 Work Order #...: G0K7A1AC Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04
Prep Date.....: 12/13/04 Analysis Date..: 12/17/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	10	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	34	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW6-W-0-100

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-003 **Work Order #...:** G0K7A2AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	44	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW9B-W-0-101

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-004 Work Order #...: G0K7D1AC Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04
Prep Date.....: 12/13/04 Analysis Date..: 12/17/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	76	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW9B-W-0-101

Trace Level Organic Compounds

Lot-Sample #...:	G4L080479-004	**Work Order #...:**	G0K7D2AC	**Matrix.....:**	WATER
Date Sampled...:	12/07/04	**Date Received..:**	12/08/04		
Prep Date.....:	12/22/04	**Analysis Date..:**	12/29/04		
Prep Batch #...:	4357371				
Dilution Factor:	1				

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	35	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-0-102

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-005 **Work Order #...:** G0K7E1AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/13/04 **Analysis Date..:** 12/17/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	57	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-0-102

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-005 **Work Order #...:** G0K7E2AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	32	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-1-103

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-006 **Work Order #...:** G0K7F1AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/13/04 **Analysis Date..:** 12/17/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	57	(25 - 150)

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-1-103

Trace Level Organic Compounds

Lot-Sample #...: G4L080479-006 **Work Order #...:** G0K7F2AC **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	33	(25 - 150)

QC DATA ASSOCIATION SUMMARY

G4L080479

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	
002	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	
003	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	
004	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	
005	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	
006	WATER	MCAWW 410.4		4349279	4349172
	WATER	CFR136A 1625 Modi		4348402	
	WATER	CFR136A 1625 Modi		4357371	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 **Work Order #...:** G0XDP1AA **Matrix.....:** WATER
MB Lot-Sample #: G4L130000-402

Prep Date.....: 12/13/04
Analysis Date..: 12/29/04 **Prep Batch #...:** 4348402
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	5.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	93	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 Work Order #...: G1NWF1AA Matrix.....: WATER
MB Lot-Sample #: G4L220000-371

Prep Date.....: 12/22/04
Analysis Date..: 12/29/04 Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	18	2.0	ng/L	CFR136A 1625 Modi

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	31	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 **Work Order #...:** G0XDP1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L130000-402
Prep Date.....: 12/13/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,3-Trichloropropane	**94**	**(50 - 150)**	**CFR136A 1625 Modifie**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	100	(25 - 150)
N-Nitrosodimethylamine-d6	6.2 *	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 **Work Order #...:** G0XDP1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L130000-402
Prep Date.....: 12/13/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4348402
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,3-Trichloropropane	**100**	**94.0**	**ng/L**	**94**	**CFR136A 1625**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
1,2,3-Trichloropropane-d5	100	(25 - 150)
N-Nitrosodimethylamine-d6	6.2 *	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 **Work Order #...:** G1NWF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L220000-371
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
N-Nitrosodimethylamine	**119**	**(70 - 130)**	**CFR136A 1625 Modifie**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	31	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G4L080479 **Work Order #...:** G1NWF1AC **Matrix.....:** WATER
LCS Lot-Sample#: G4L220000-371
Prep Date.....: 12/22/04 **Analysis Date..:** 12/29/04
Prep Batch #...: 4357371
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
N-Nitrosodimethylamine	**100**	**119**	**ng/L**	**119**	**CFR136A 1625**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
N-Nitrosodimethylamine-d6	31	(25 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Raw Data Package

Run/Batch Data

Includes (as applicable):

runlogs

continuing calibration standards

interference/performance check standards

continuing calibration blanks

method blanks

lcs

ms/sd

sample raw data

ms tune data

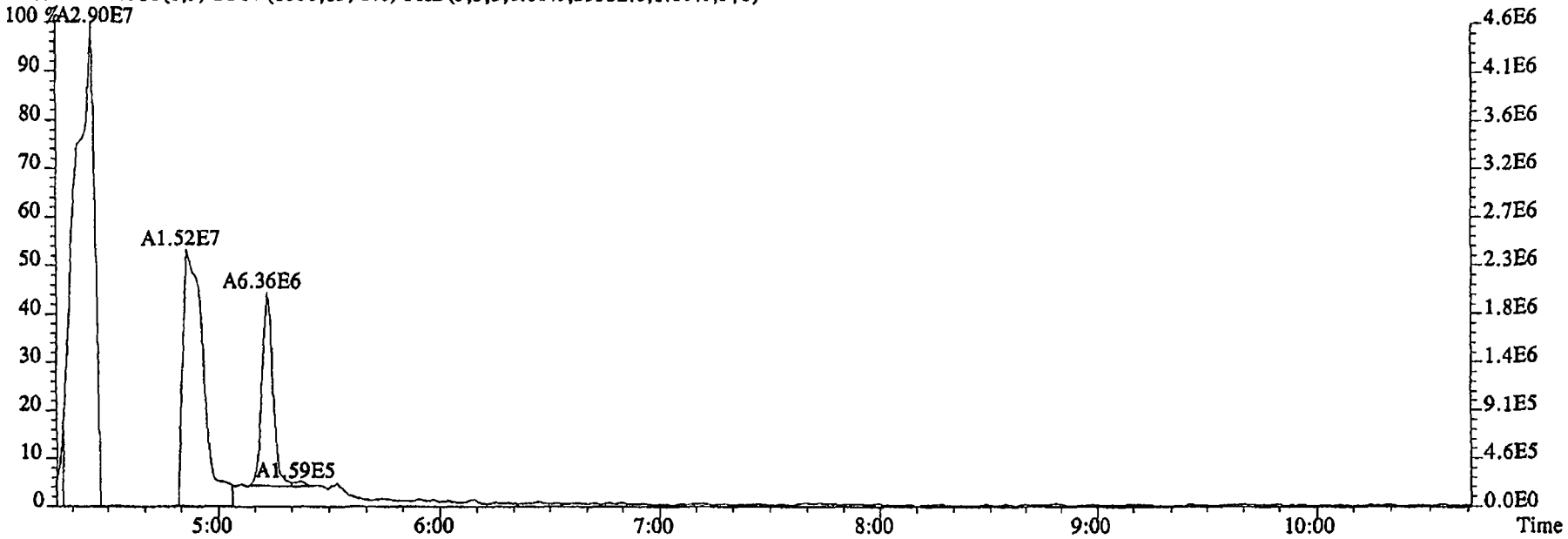
Quantitation Summary STL

Run text: G0XDP-1-AAB Sample text: G0XDP-1-AAB :G4L080479-1MB
Run #6 Filename: 29DE045SP S: 7 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 15:33:45 Processed: 29-DEC-04 21:42:51
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

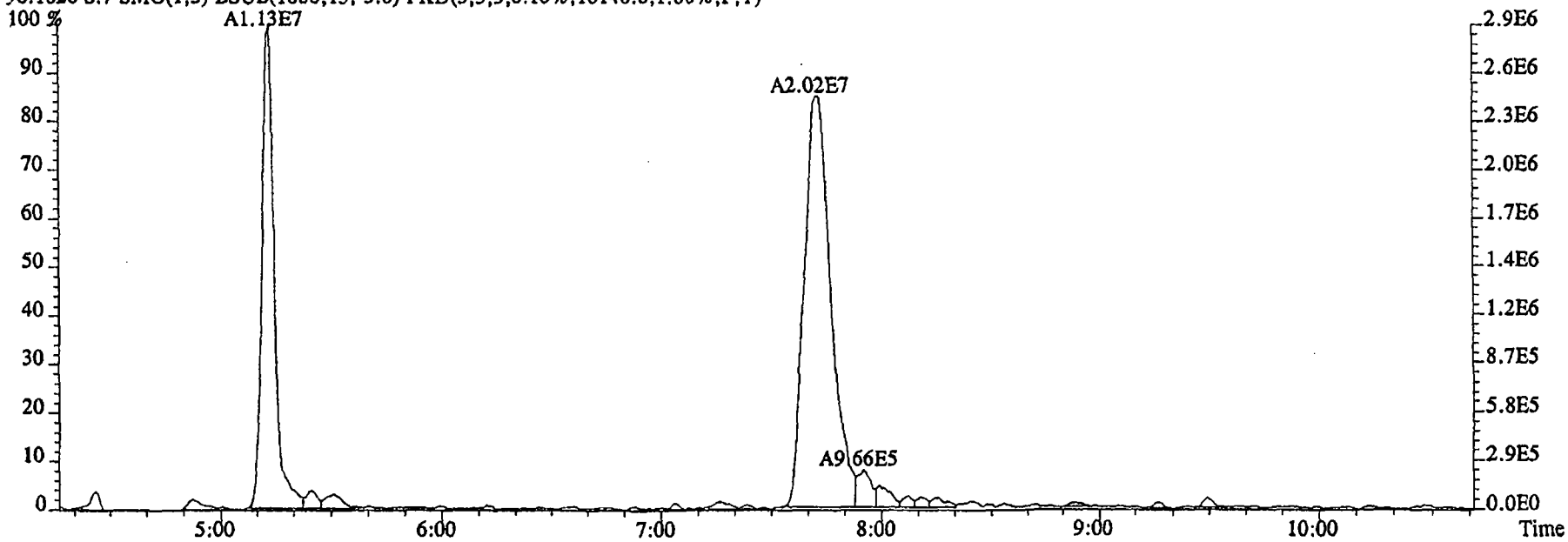
Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
2-Chloropyridine	40894100		11:07	-	220.10		-	-	n
D8-1,4-Dioxane	11301700		5:14	1.11	49.83		0.70	5.0	n
1,4-Dioxane	6360660		5:14	1.89	297.84		19.59	-	n
D5-123-TriChloroPropane	50951900		10:03	2.68	92.81		0.11	92.8	n
1,2,3-TriChloroPropane	*		NotFnd	0.44	*	<EDL	3.21	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	7297420		10:13	1.68	21.21		0.03	21.2	n
NDMA	2185960		10:12	1.37	21.90		6.15	-	n
2-Chloropyridine	125663000		11:07	-	213.69		-	-	n

123-00

File:29DE045SP #1-475 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA
88.0524 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35532.0,1.00%,F,T)

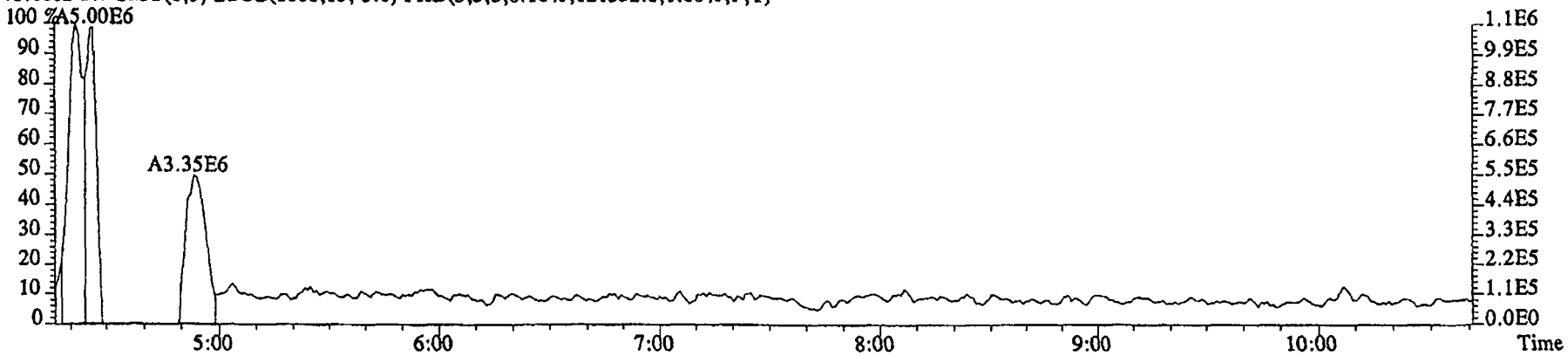


96.1026 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16140.0,1.00%,F,T)

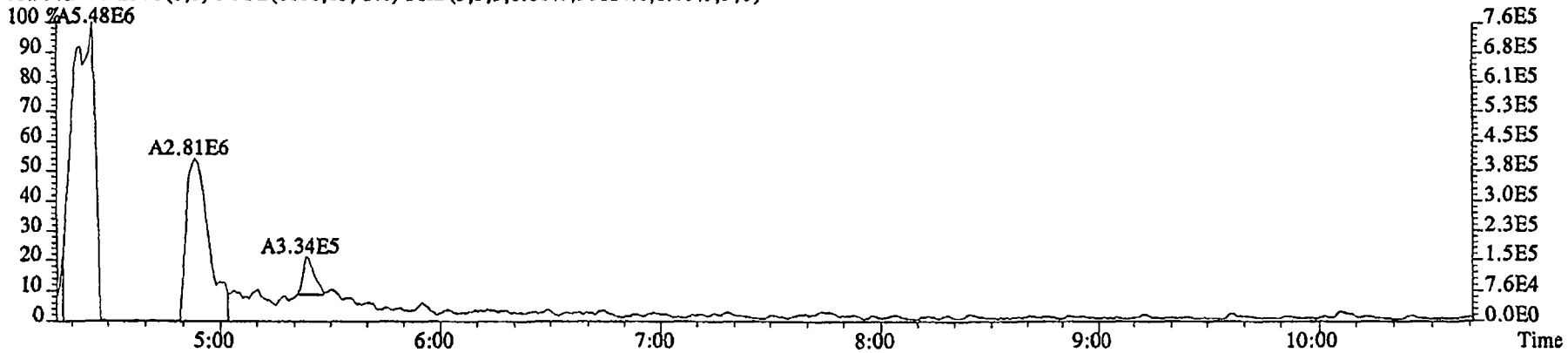


File:29DE045SP #1-475 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA

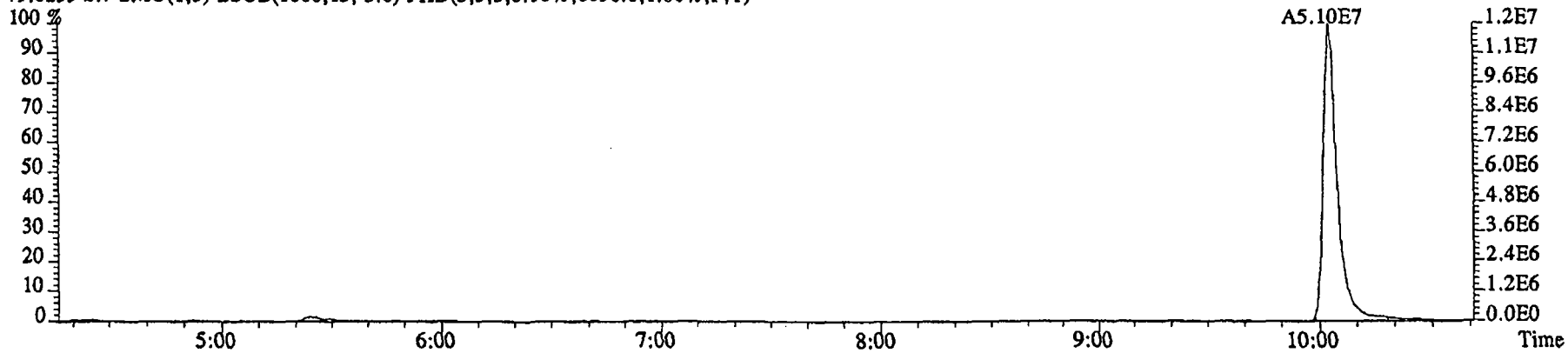
75.0002 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,121352.0,1.00%,F,T)



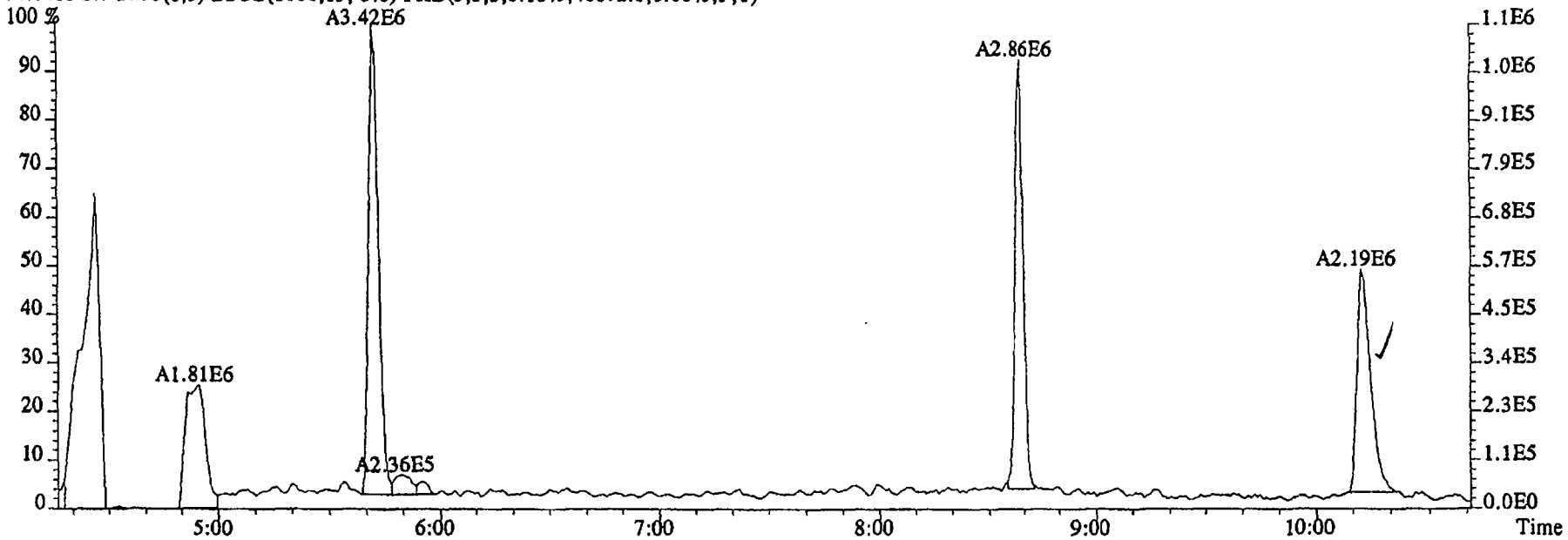
76.9972 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56184.0,1.00%,F,T)



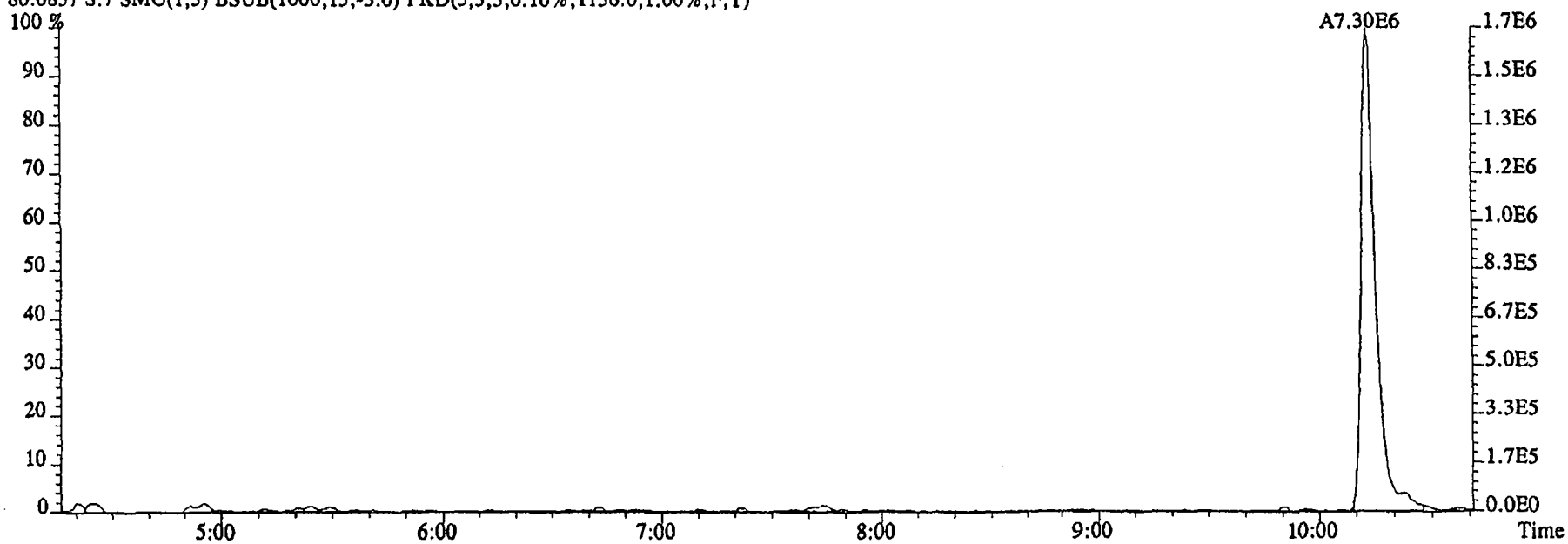
79.0253 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6096.0,1.00%,F,T)



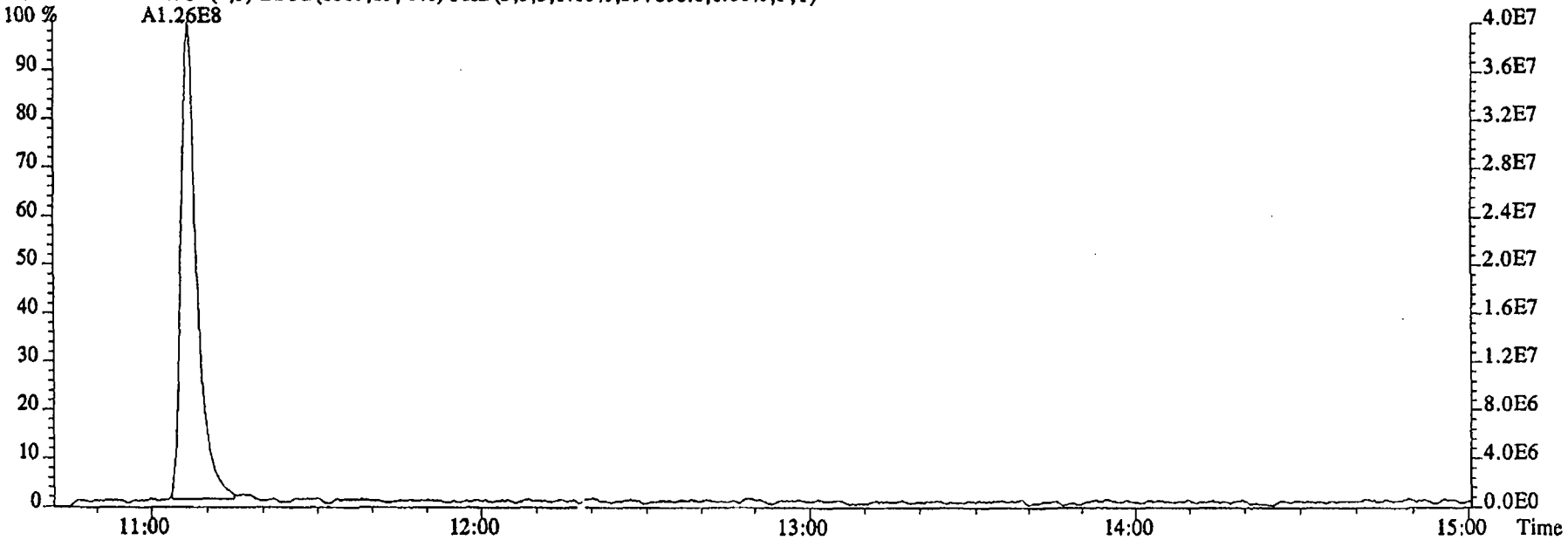
File:29DE045SP #1-475 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA
74.0480 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,46672.0,1.00%,F,T)



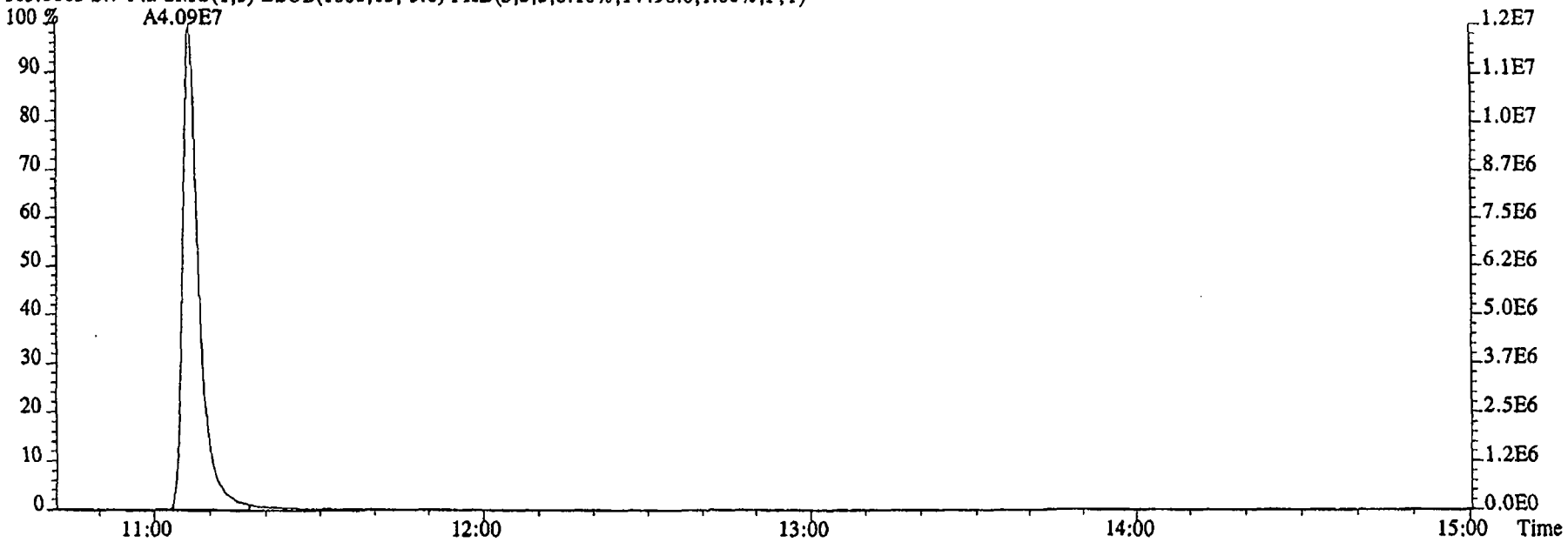
80.0857 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1136.0,1.00%,F,T)



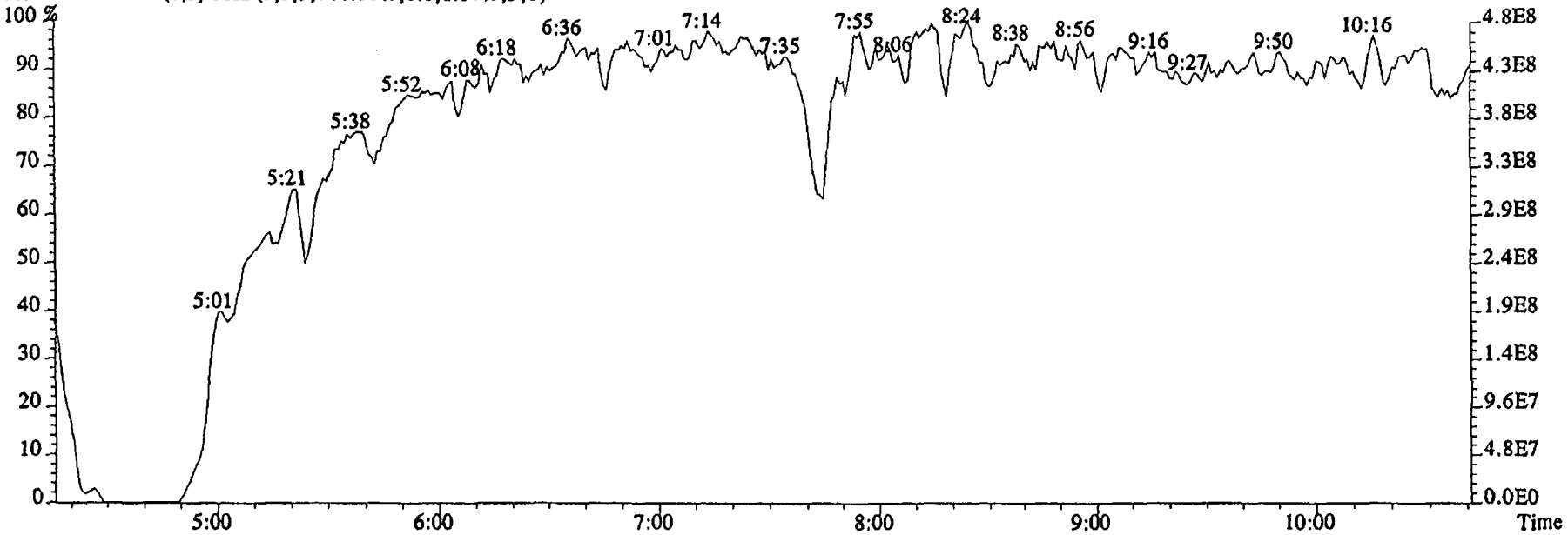
File:29DE045SP #1-602 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA
113.0032 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,597808.0,1.00%,F,T)



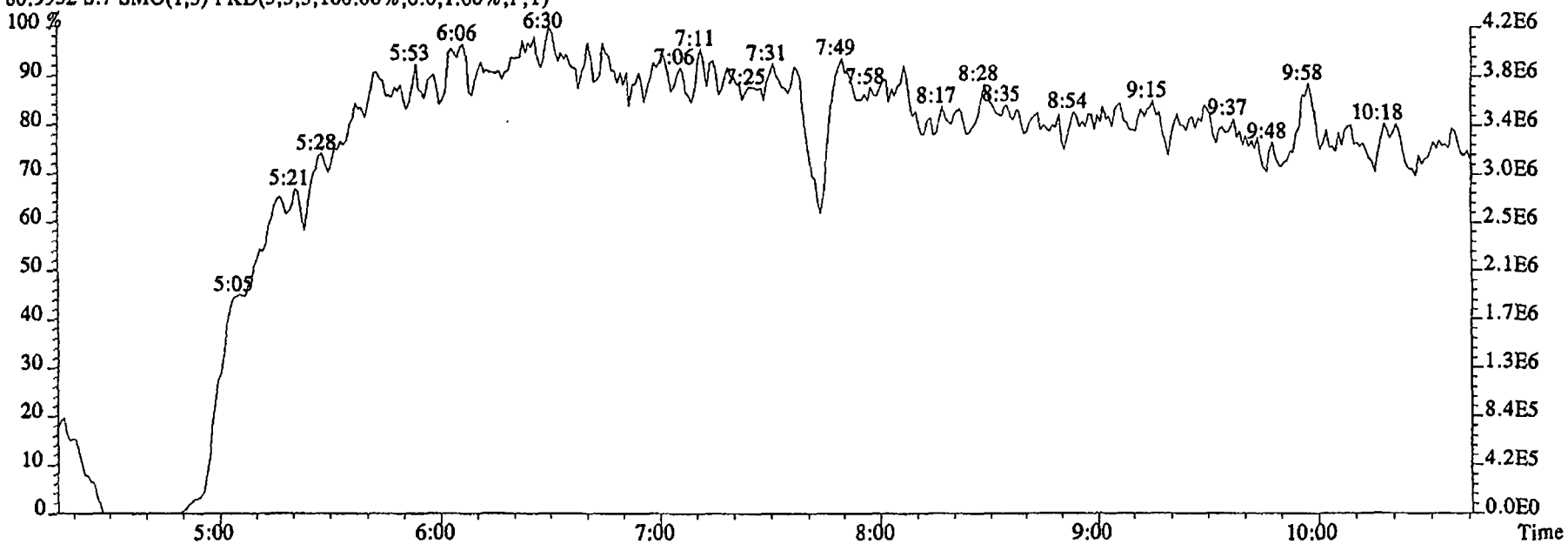
115.0003 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14496.0,1.00%,F,T)



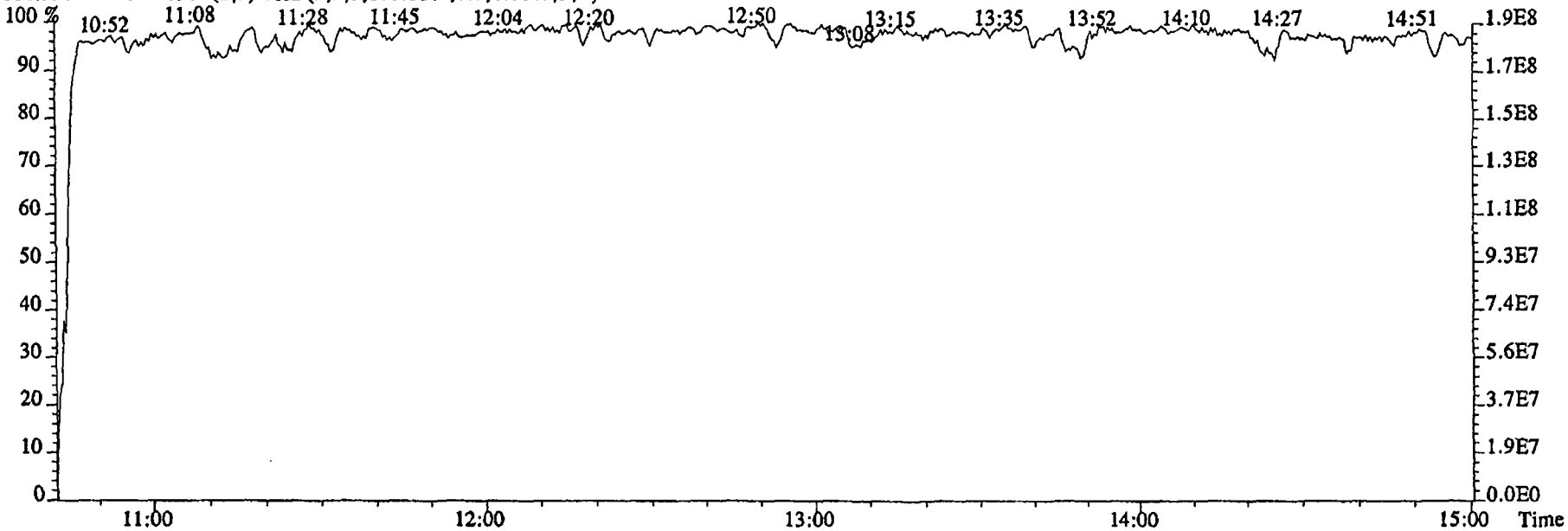
File:29DE045SP #1-475 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA
68.9952 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



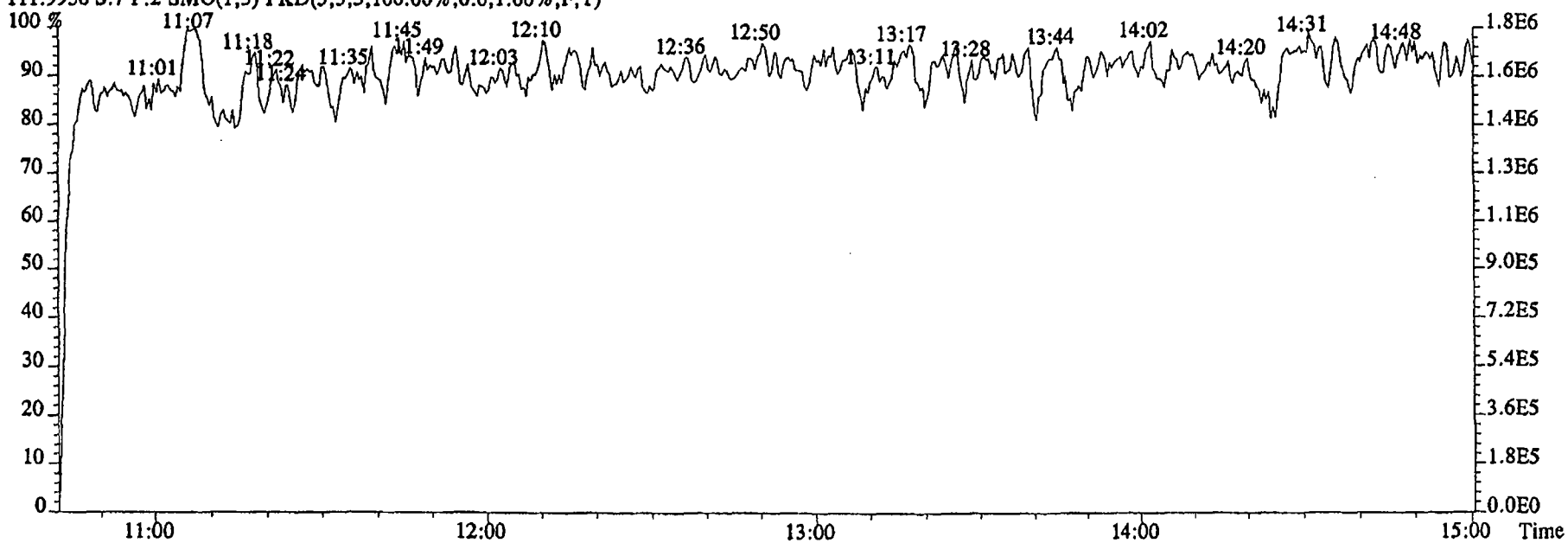
80.9952 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 15:33:45 GC EI+ Voltage SIR 70SE
Sample#7 Text:G0XDP-1-AAB :G4L080479-1MB Exp:NDMAVOA
118.9920 S:7 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:7 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0XDP-1-ACC Sample text: G0XDP-1-ACC :G4L080479-1LCS
Run #7 Filename: 29DE045SP S: 8 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 15:54:11 Processed: 29-DEC-04 21:42:52
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	28225000		11:06	-	151.91	-	-	n
D8-1,4-Dioxane	3913930		5:07	1.11	25.00	1.03	2.5	n
1,4-Dioxane	2129150		5:07	1.89	287.88	29.54	-	n
D5-123-TriChloroPropane	38076300		10:01	2.68	100.49	0.15	100.5	n
1,2,3-TriChloroPropane	15709300		10:05	0.44	93.98 ✓	0.74	-	n
1,2,3-TriChloroPropane	51042500		10:05	-	76.58	-	-	n
D6-NDMA	1472770		10:12	1.68	6.20	0.03	6.2 *	n
NDMA	2934310		10:11	1.37	145.67 ✓	17.41	-	n
2-Chloropyridine	86886400		11:06	-	147.75	-	-	n

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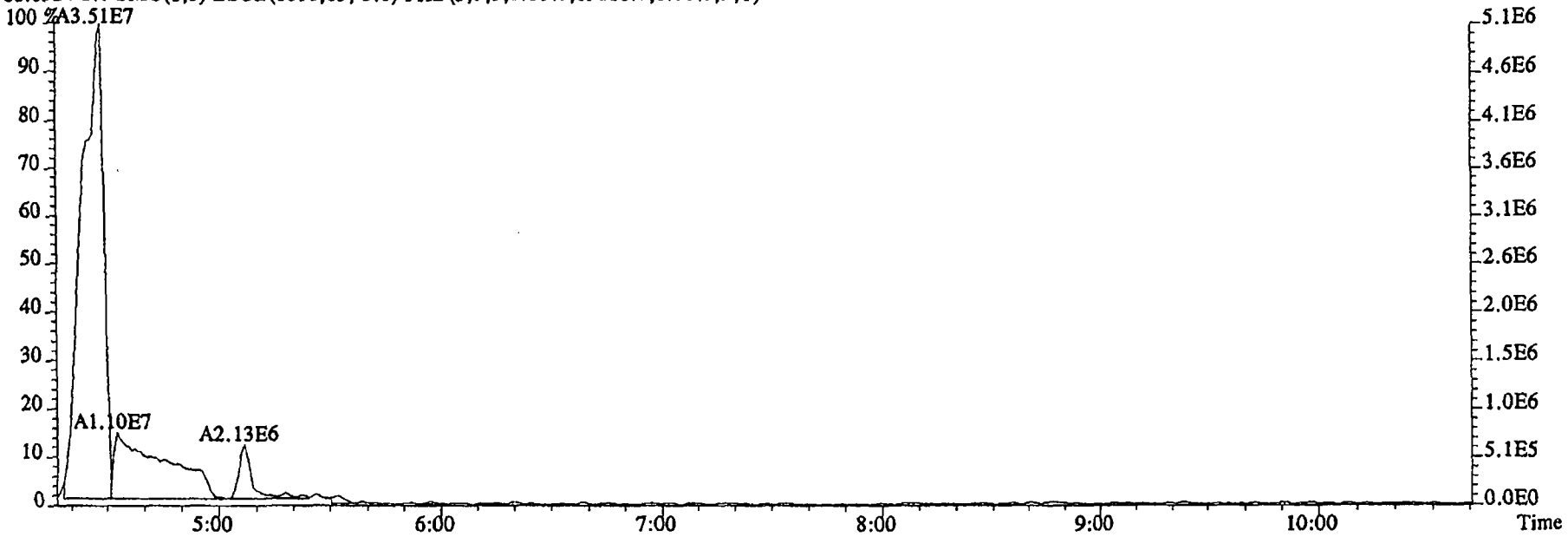
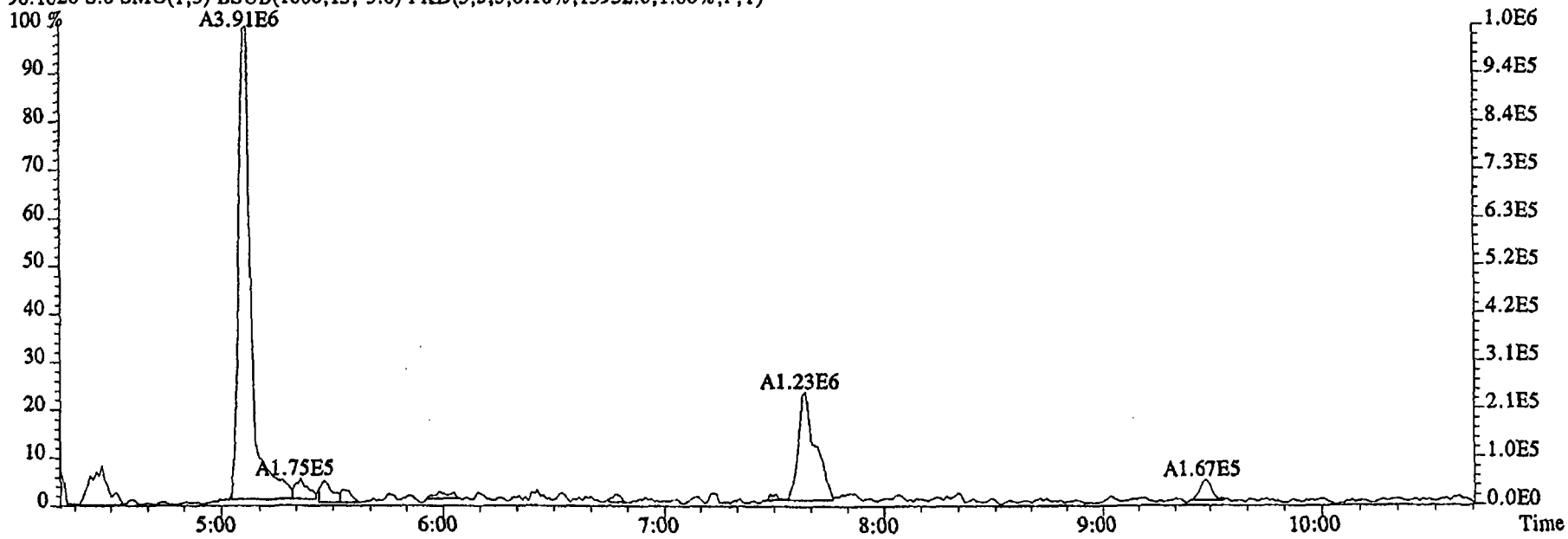
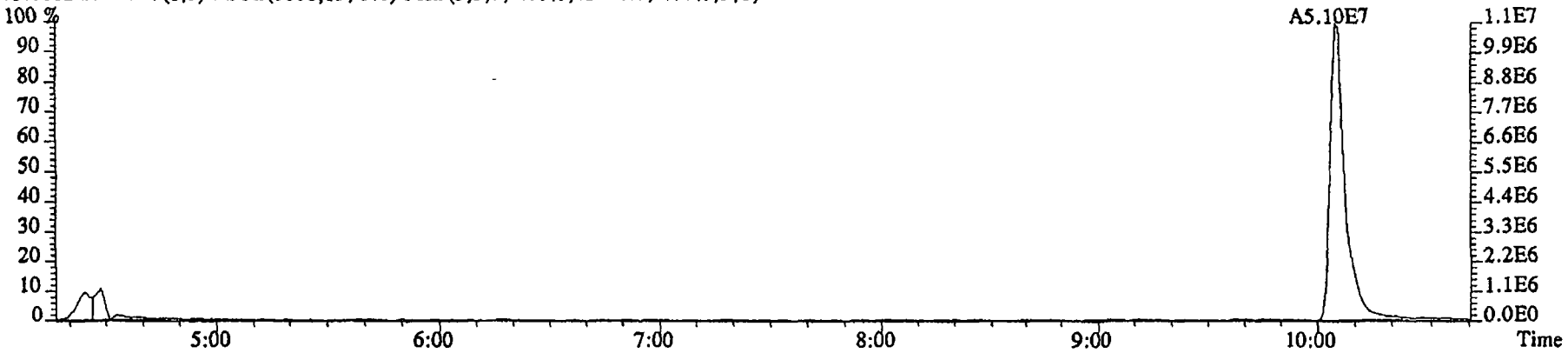
File:29DE045SP #1-474 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
88.0524 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19216.0,1.00%,F,T)



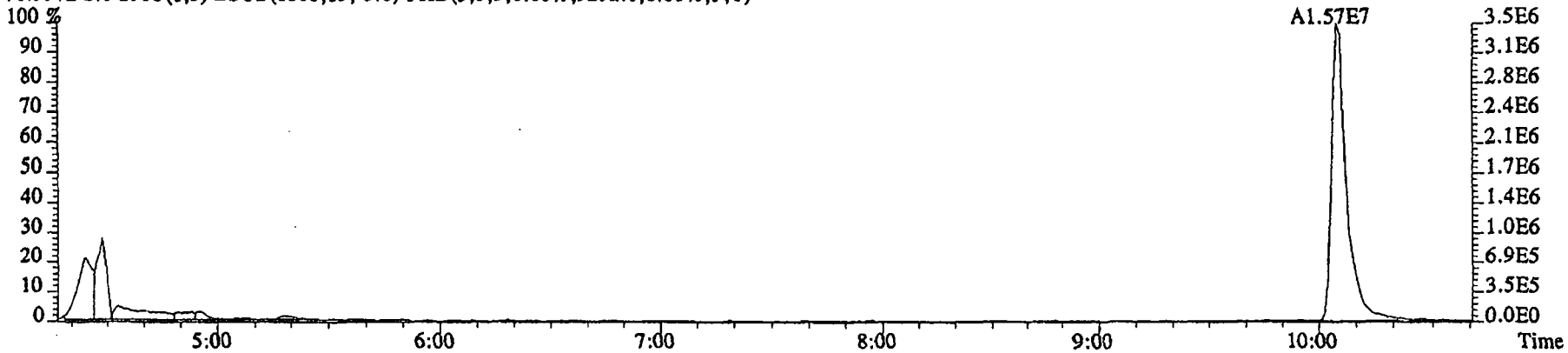
96.1026 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15952.0,1.00%,F,T)



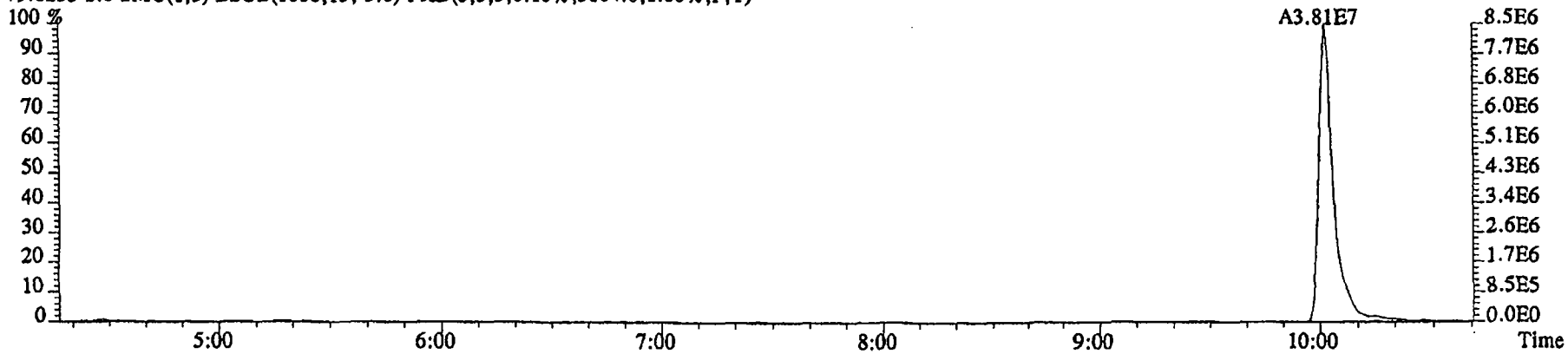
File:29DE045SP #1-474 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
75.0002 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42276.0,1.00%,F,T)



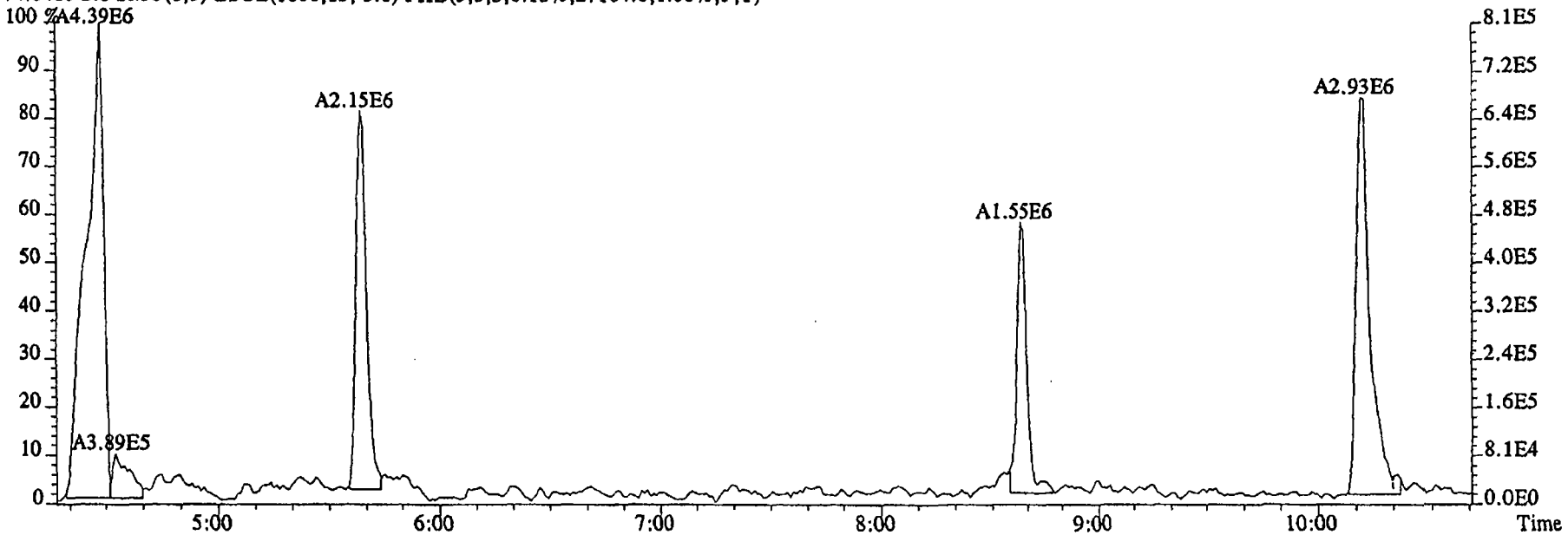
76.9972 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9252.0,1.00%,F,T)



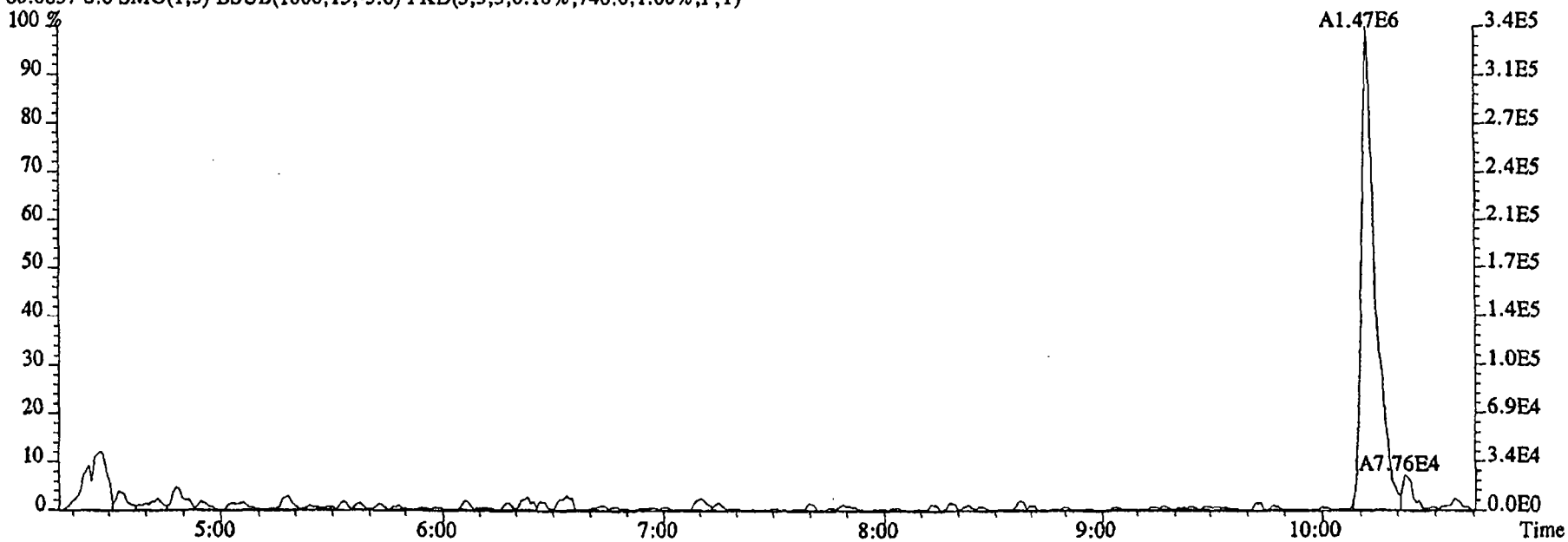
79.0253 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5604.0,1.00%,F,T)



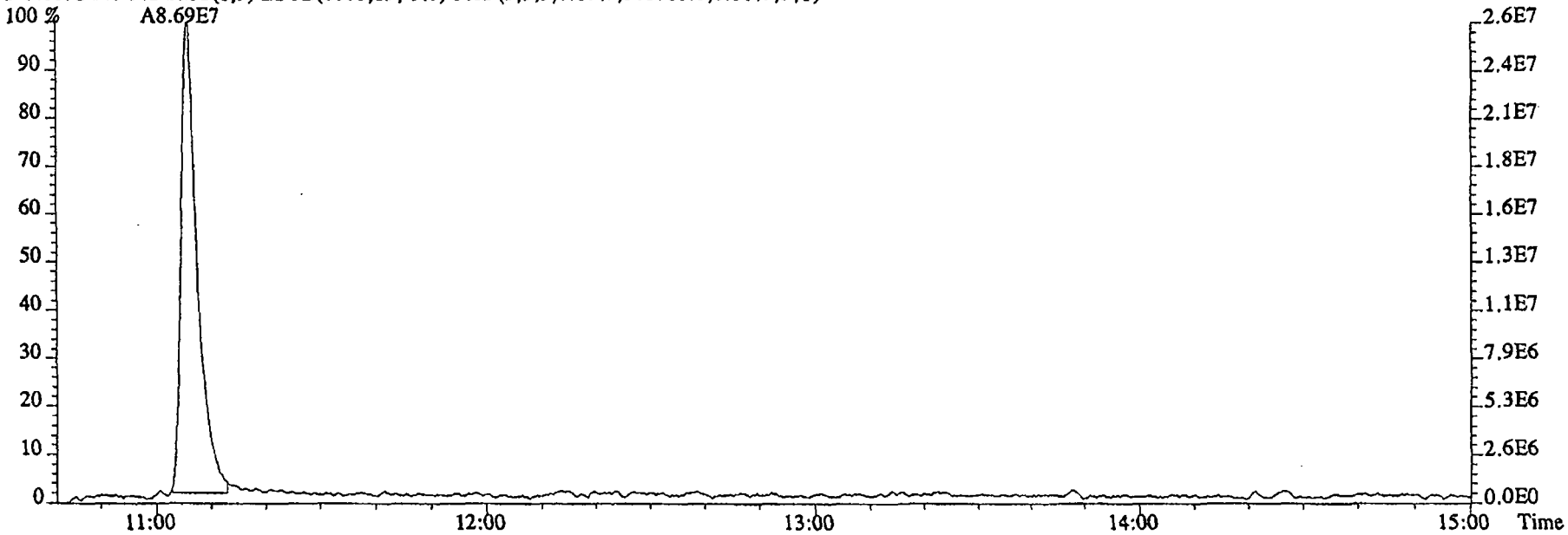
File:29DE045SP #1-474 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
74.0480 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,27184.0,1.00%,F,T)



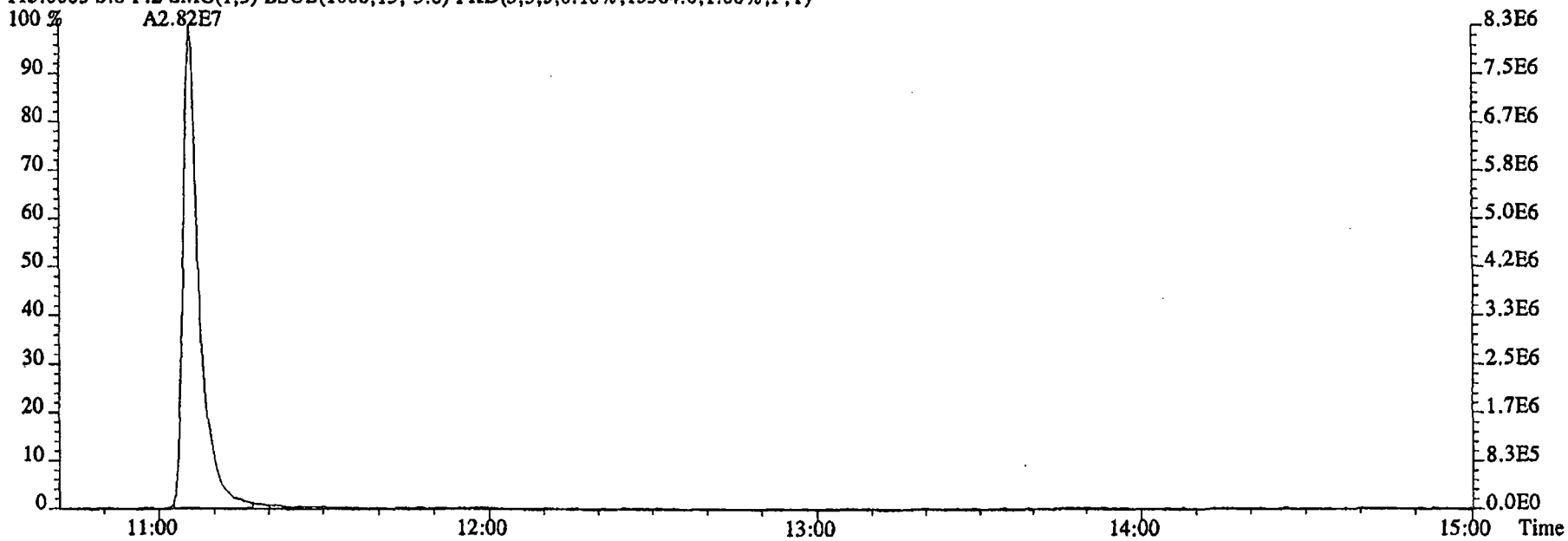
80.0857 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,740.0,1.00%,F,T)



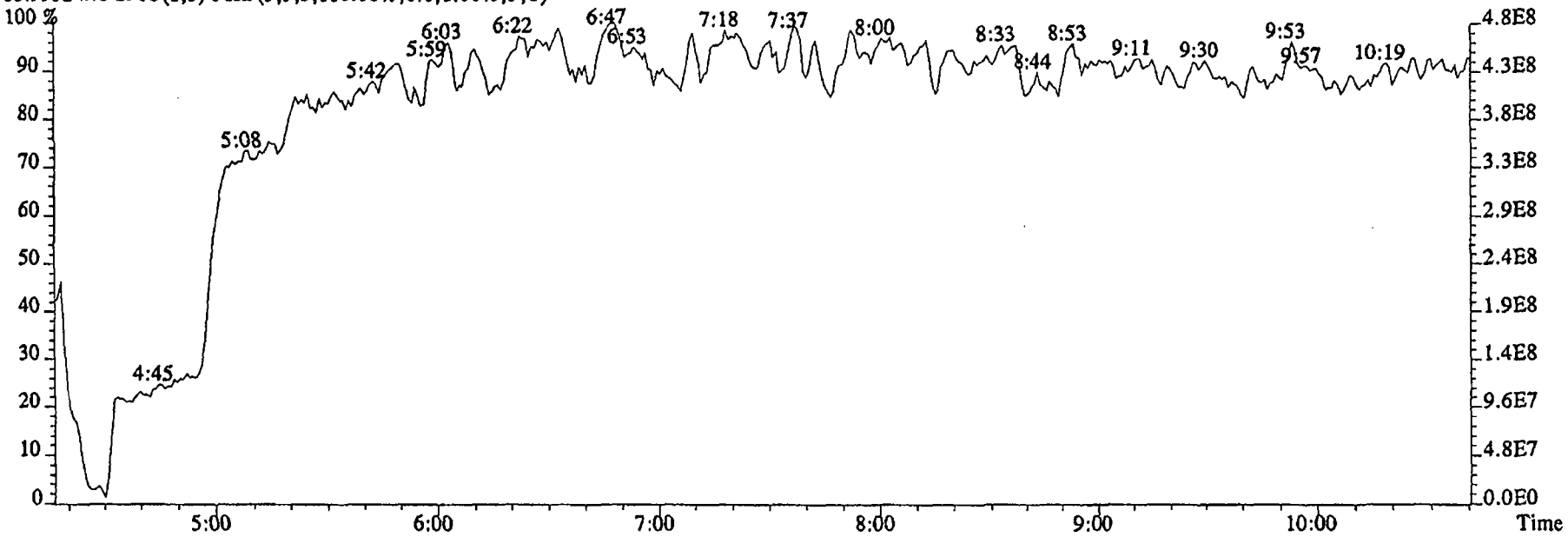
File:29DE045SP #1-602 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
113.0032 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,568760.0,1.00%,F,T)



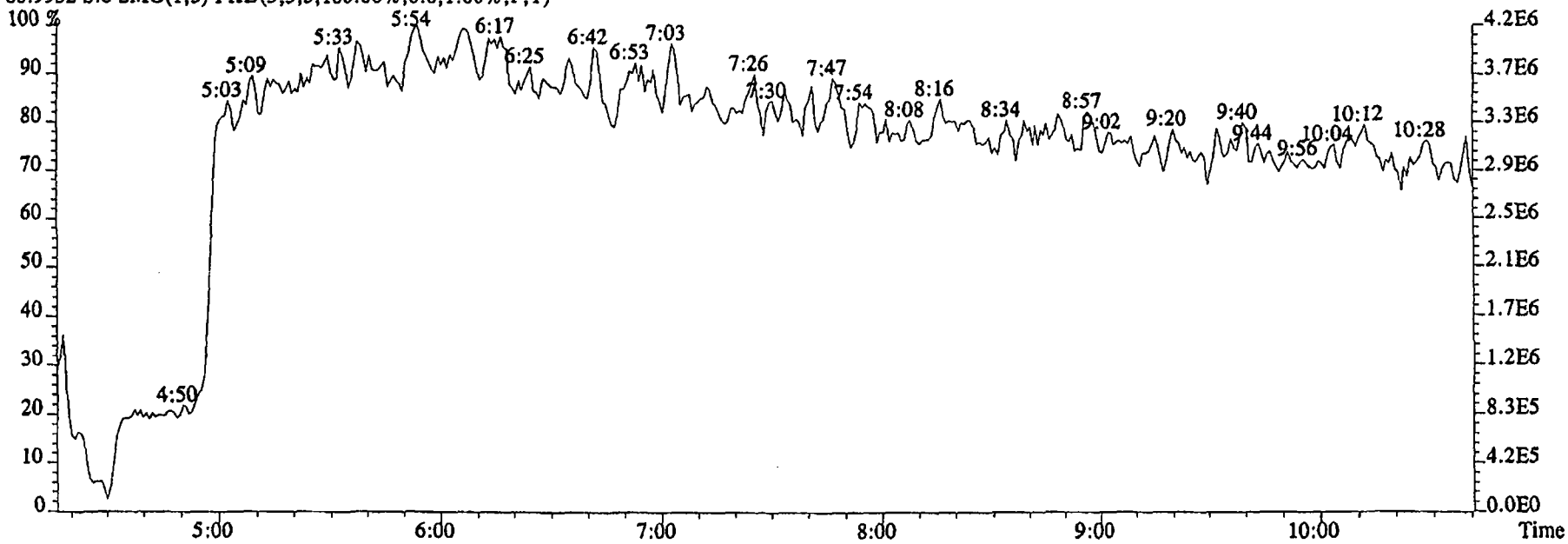
115.0003 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15364.0,1.00%,F,T)



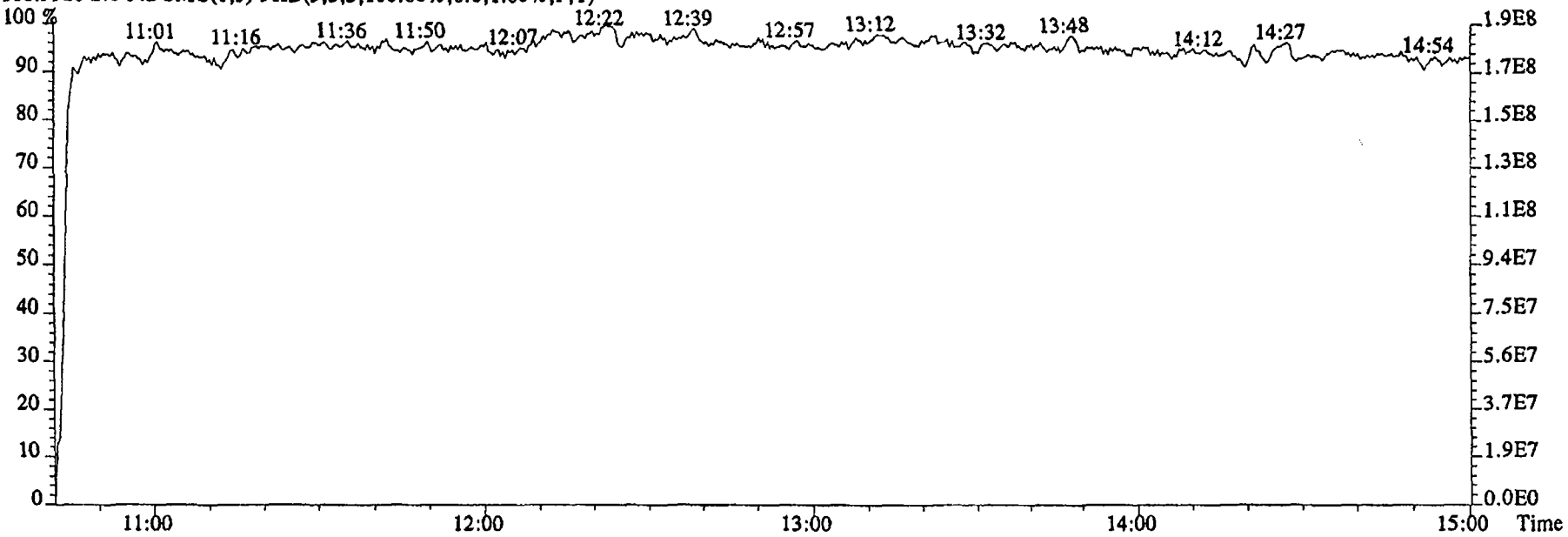
File:29DE045SP #1-474 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
68.9952 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



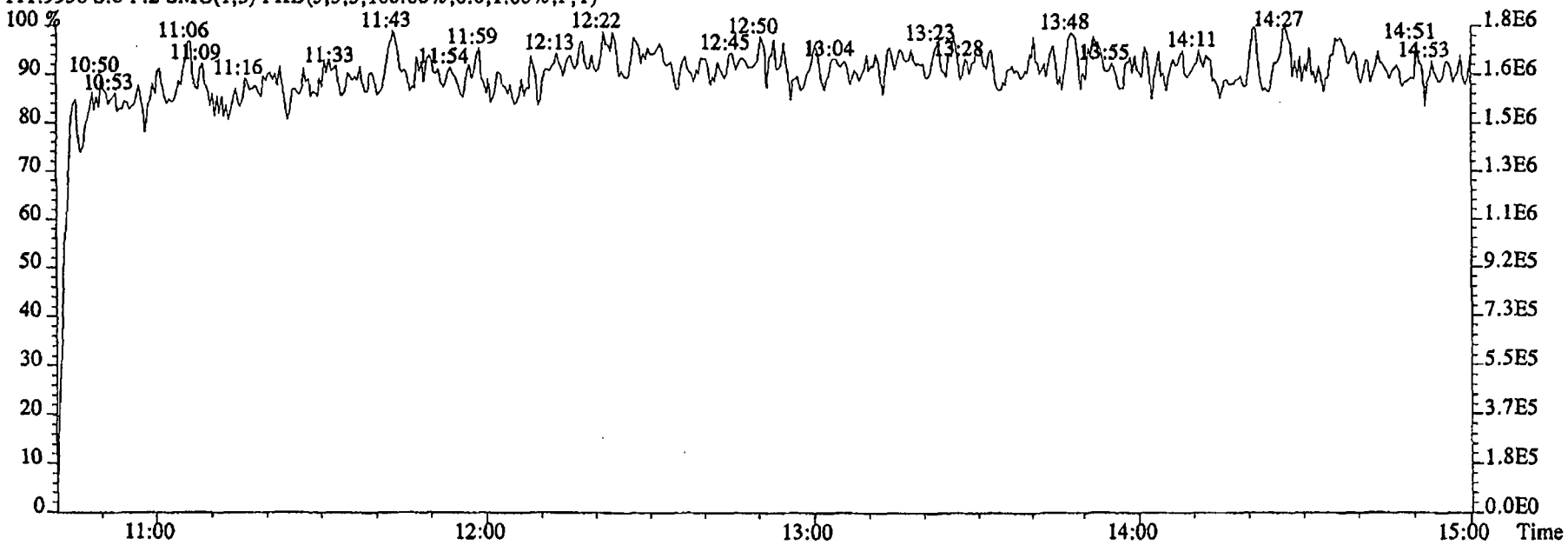
80.9952 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 15:54:11 GC EI+ Voltage SIR 70SE
Sample#8 Text:G0XDP-1-ACC :G4L080479-1LCS Exp:NDMAVOA
118.9920 S:8 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:8 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

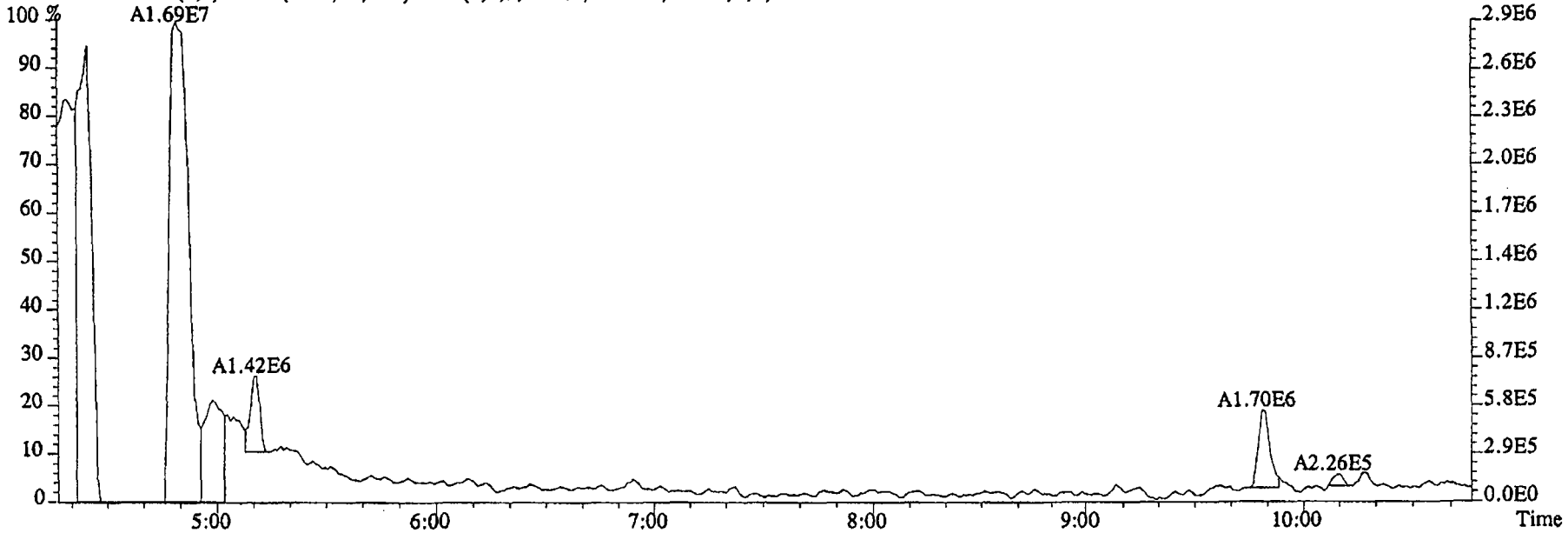


Run text: G0K68-1-AC Sample text: G0K68-1-AC :G4L080479-1
Run #13 Filename: 16DE045SP S: 15 I: 1 Results: KAS
Acquired: 16-DEC-04 23:23:09 Processed: 17-DEC-04 13:45:44
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.943 L

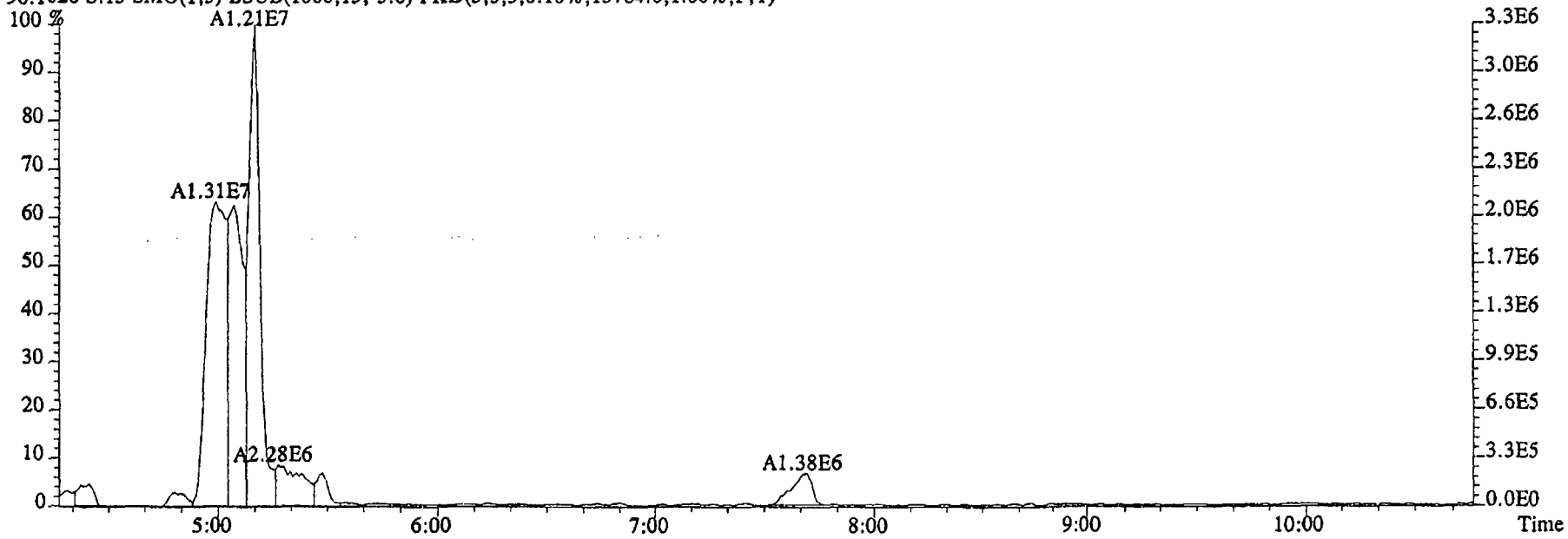
Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
2-Chloropyridine	135260000		11:03	-	292.36		-	-	n
D8-1,4-Dioxane	9120230		5:04	0.66	21.81		0.31	2.1	n
1,4-Dioxane	1420490		5:11	1.05	156.58		122.96	-	n
D5-123-TriChloroPropane	128760000		10:00	2.35	85.84		0.18	81.0	n
1,2,3-TriChloroPropane	*		NotFnd	0.48	*	<5.0	~~6.72~~	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	12501500		10:08	1.48	13.23		0.11	12.5	n
NDMA	681278		10:07	1.37	~~4.20~~	NA	10.81	-	n
2-Chloropyridine	417273000		11:04	-	282.22		-	-	n

12-30-04

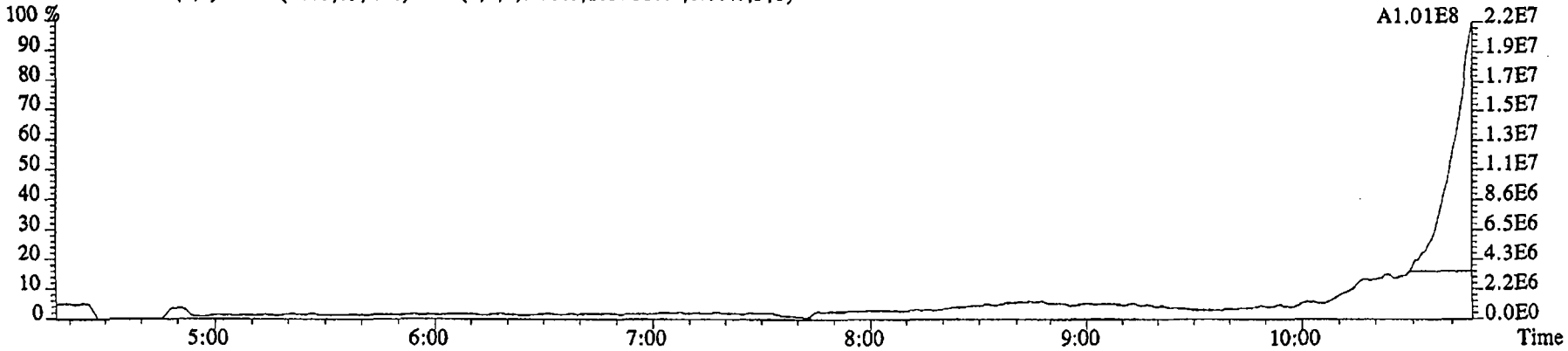
File:16DE045SP #1-480 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
88.0524 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,84348.0,1.00%,F,T)



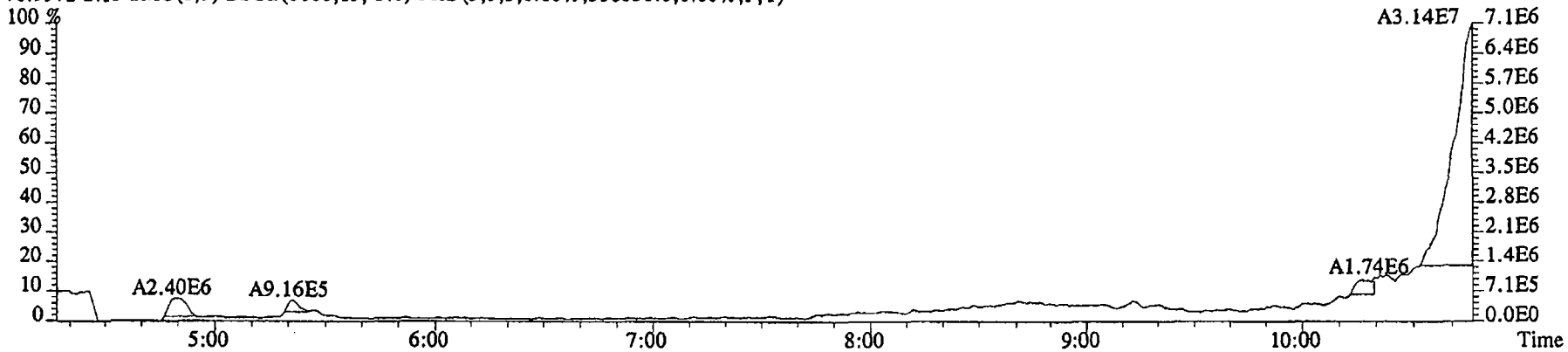
96.1026 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13784.0,1.00%,F,T)



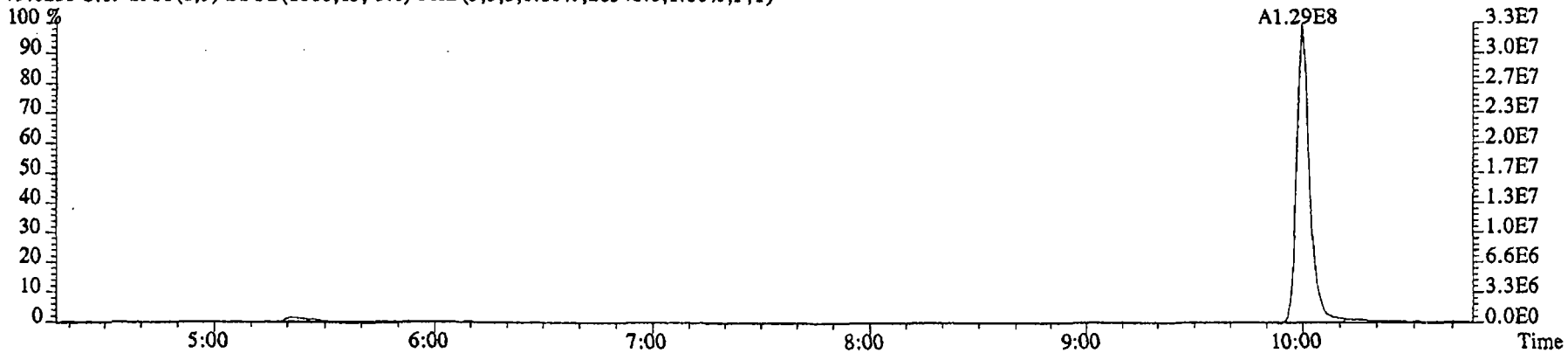
File:16DE045SP #1-480 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
75.0002 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1056116.0,1.00%,F,T)



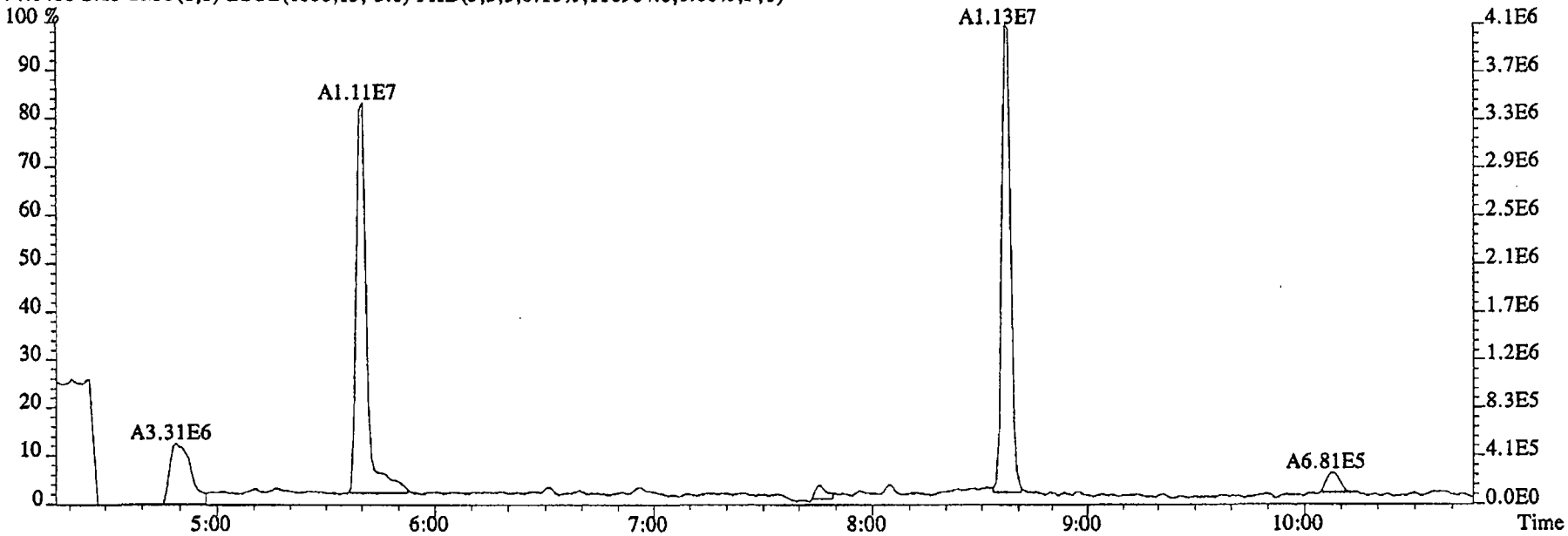
76.9972 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,338036.0,1.00%,F,T)



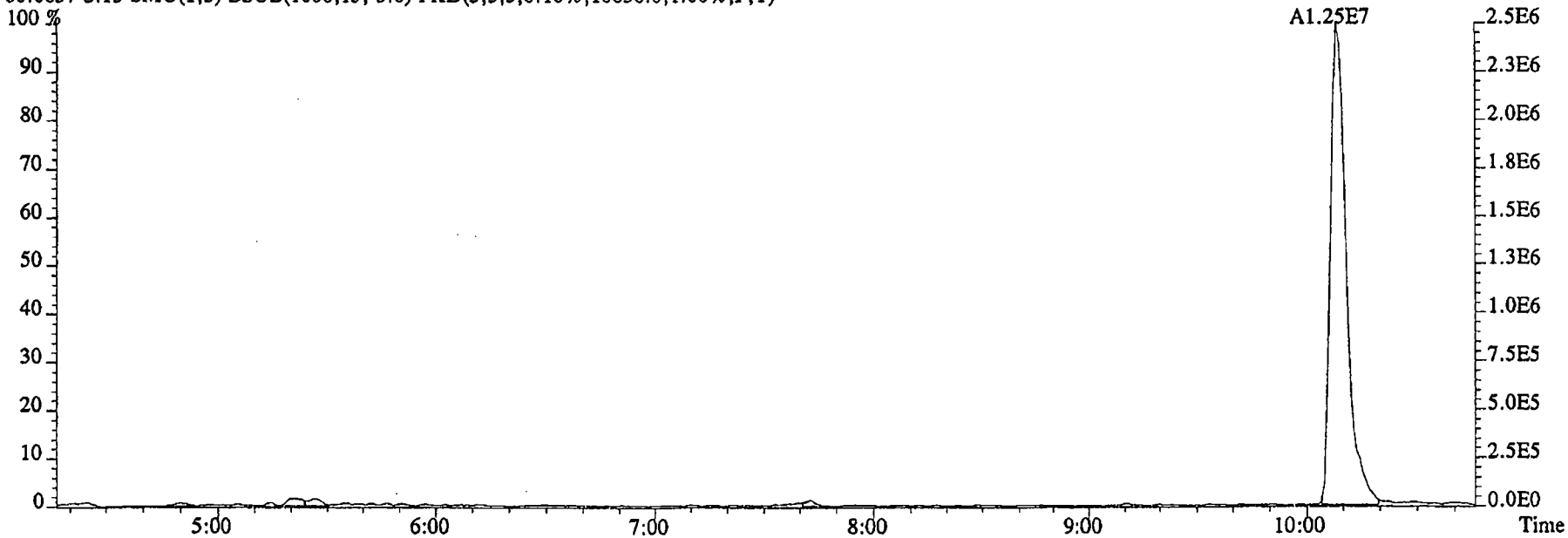
79.0253 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28548.0,1.00%,F,T)



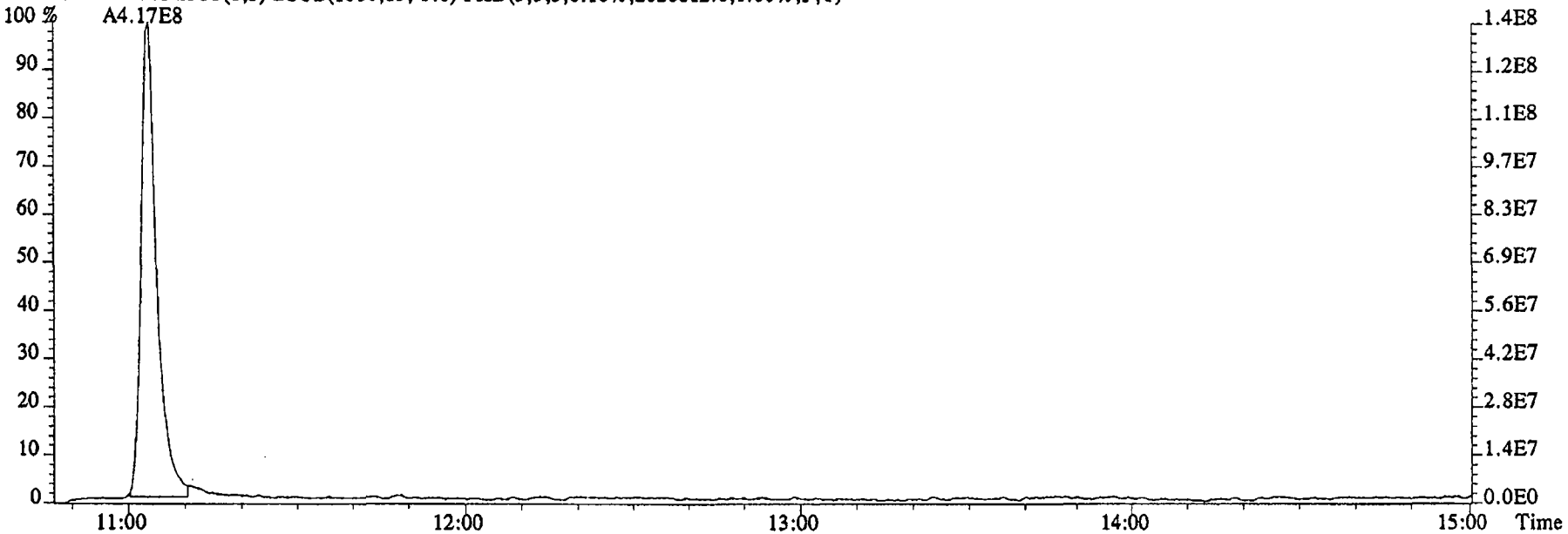
File:16DE045SP #1-480 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
74.0480 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,116984.0,1.00%,F,T)



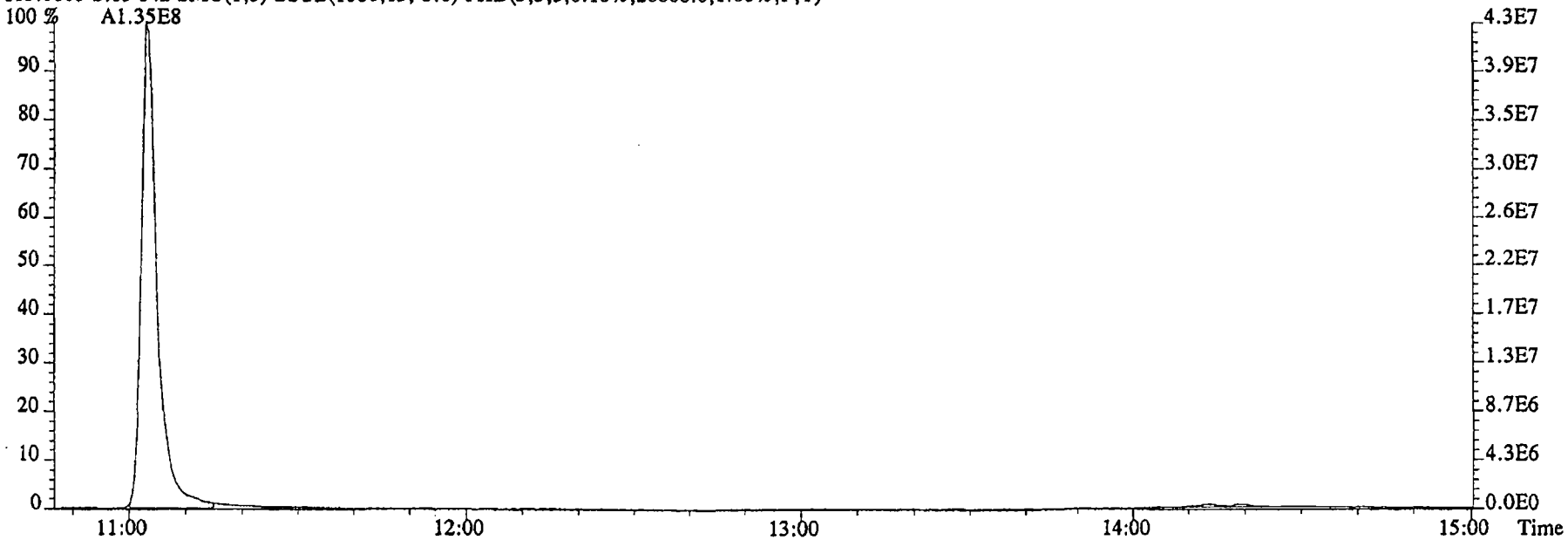
80.0857 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10836.0,1.00%,F,T)



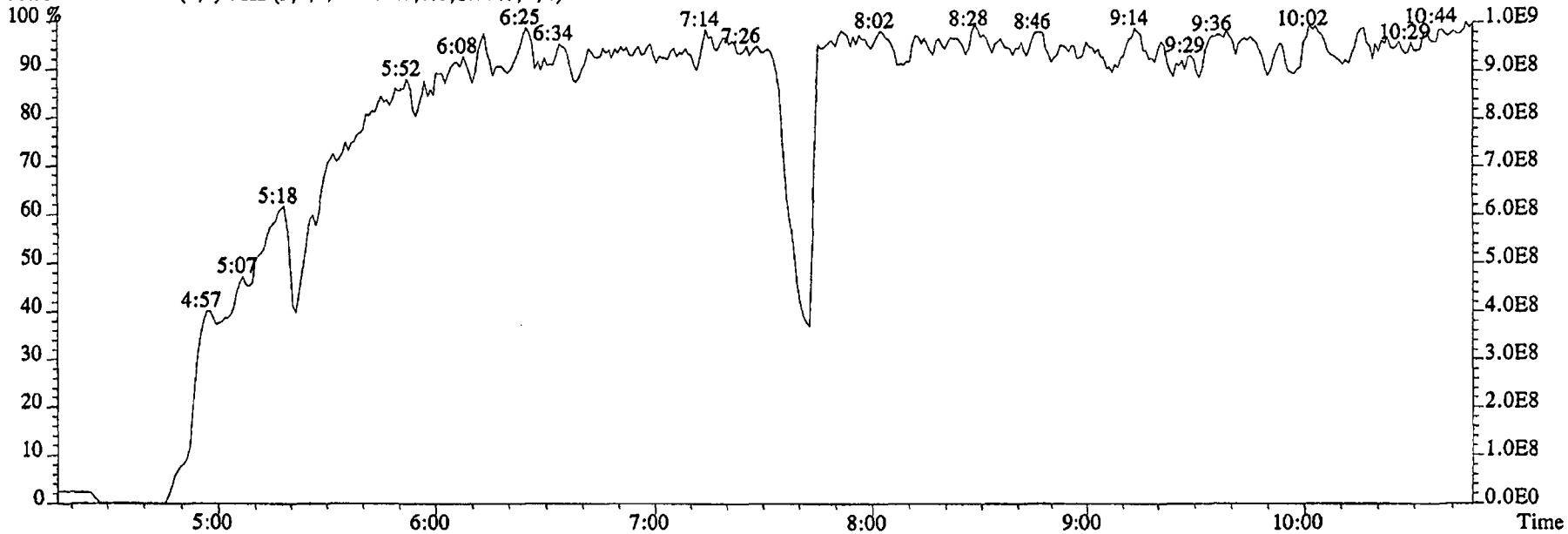
File:16DE045SP #1-591 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
113.0032 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2026812.0,1.00%,F,T)



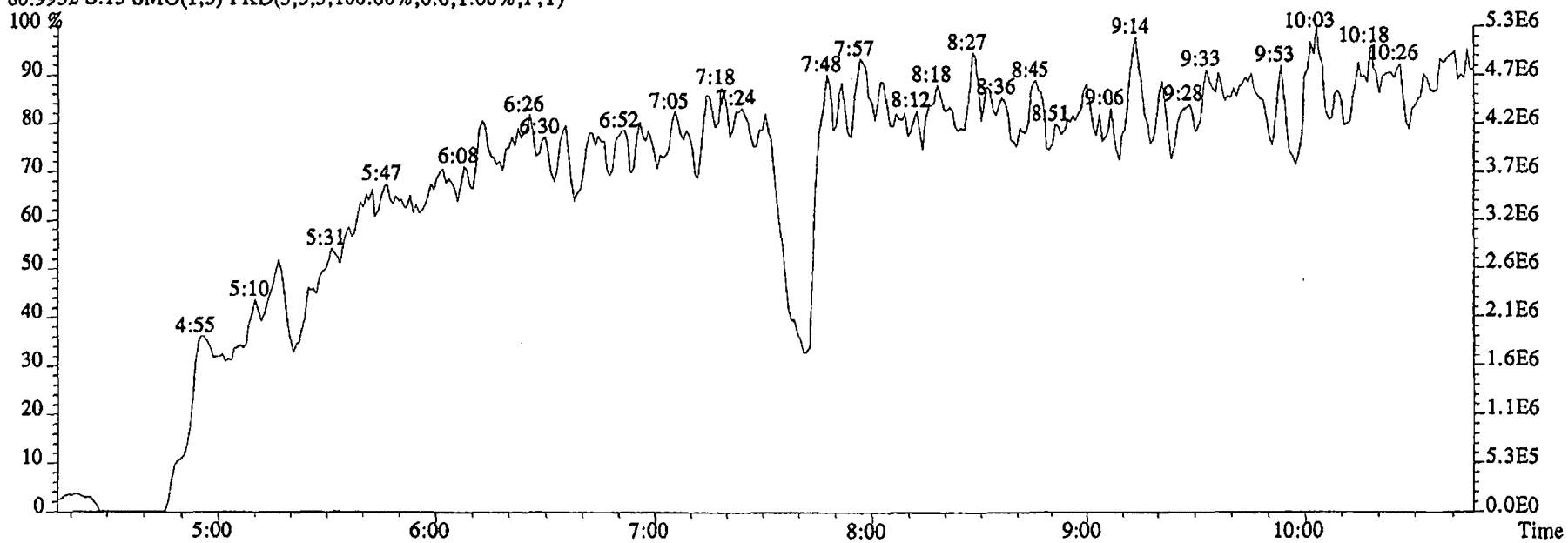
115.0003 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26608.0,1.00%,F,T)



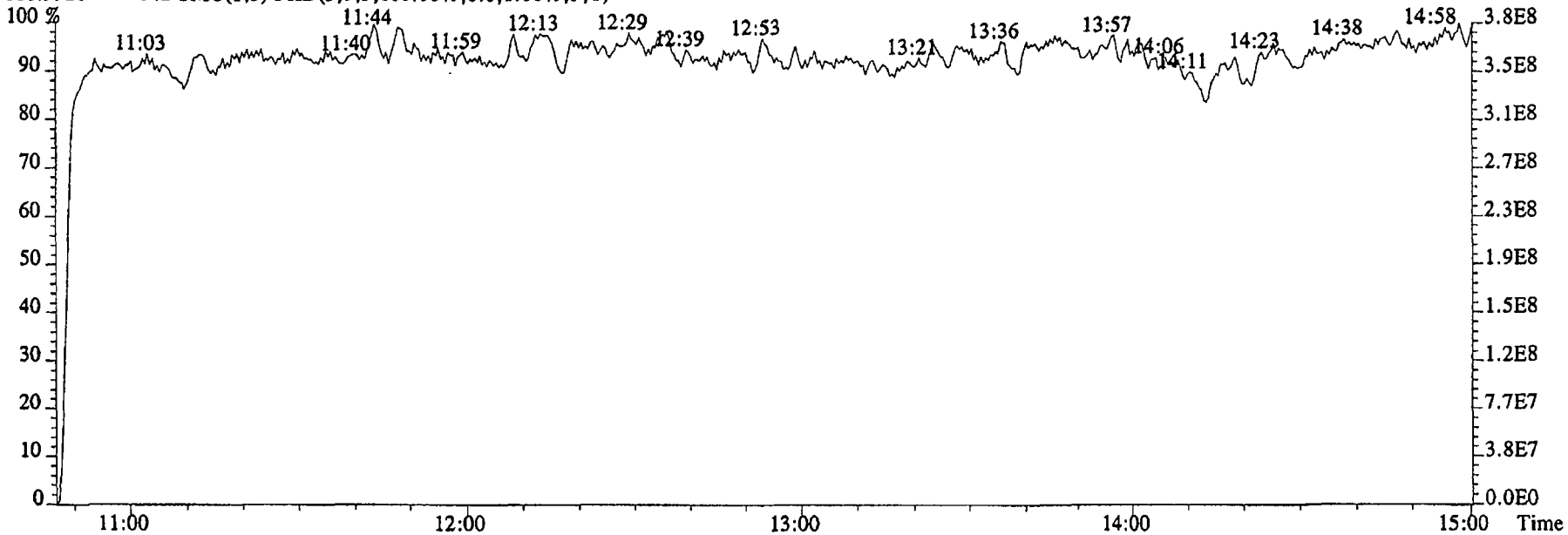
File:16DE045SP #1-480 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
68.9952 S:15 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



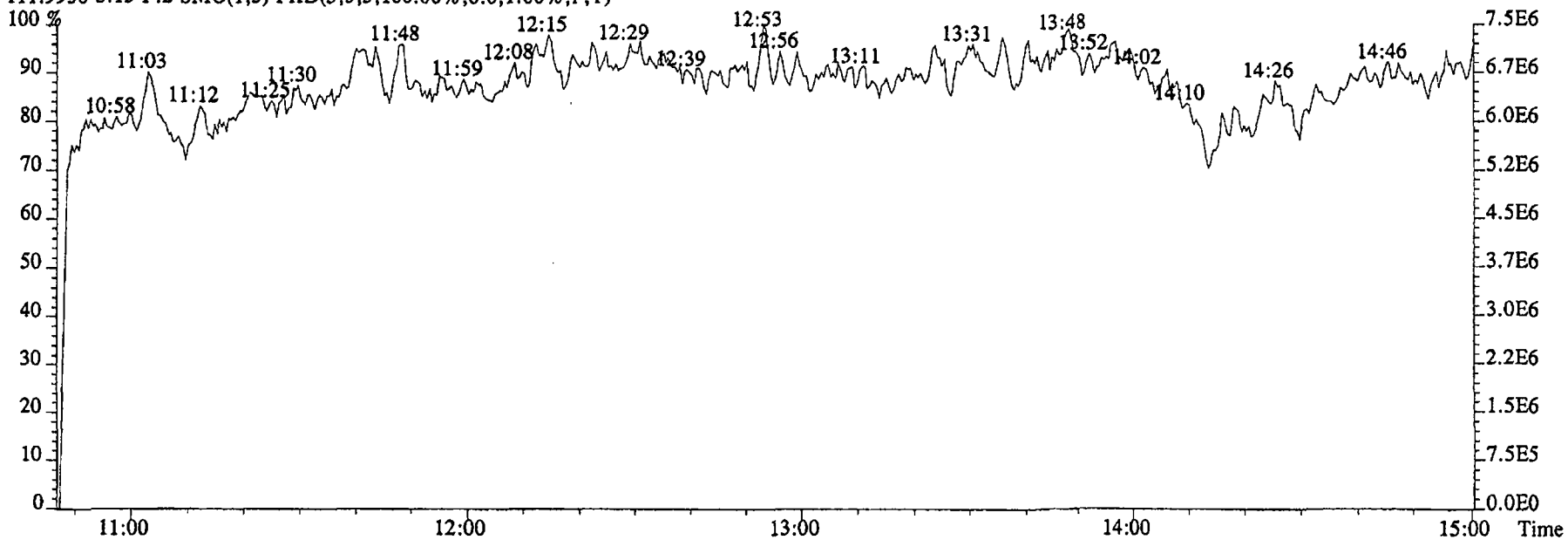
80.9952 S:15 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:16-DEC-2004 23:23:09 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K68-1-AC :G4L080479-1 Exp:NDMAVOA
118.9920 S:15 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:15 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K69-1-AC Sample text: G0K69-1-AC :G4L080479-2
Run #14 Filename: 16DE045SP S: 16 I: 1 Results: KAS
Acquired: 16-DEC-04 23:43:28 Processed: 17-DEC-04 13:45:45
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.974 L

Name	Resp	RA	RT	RRF	Conc	RL	EDL	Rec	M
2-Chloropyridine	196145000		11:08	-	410.56		-	-	n
D8-1,4-Dioxane	*		NotFnd	0.66	*		0.10	*	n
1,4-Dioxane	*		NotFnd	1.05	*		*	-	n
D5-123-TriChloroPropane	155345000		10:06	2.35	69.16		0.05	67.4	n
1,2,3-TriChloroPropane	277584		10:09	0.48	0.38	<5.0	0.93	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	18050500		10:17	1.48	12.76		0.05	12.4	n
NDMA	4607750		10:17	1.37	~~19.07~~	NA	13.89	-	n
2-Chloropyridine	598221000		11:08	-	391.81		-	-	n

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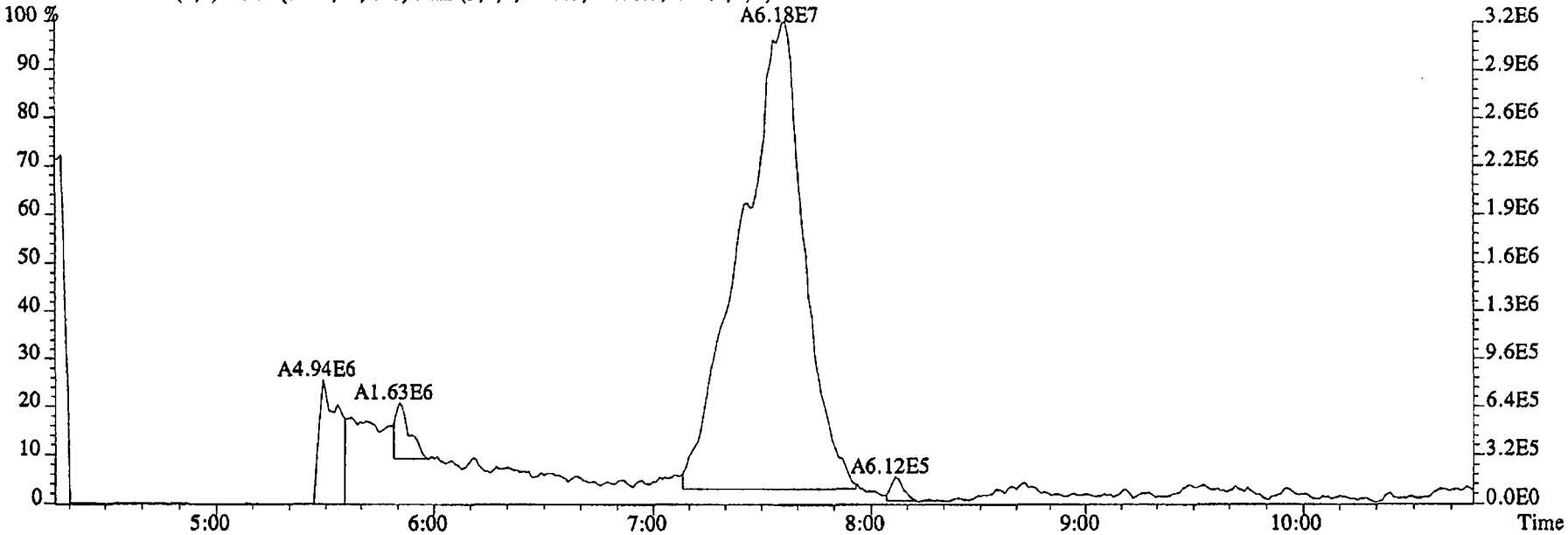
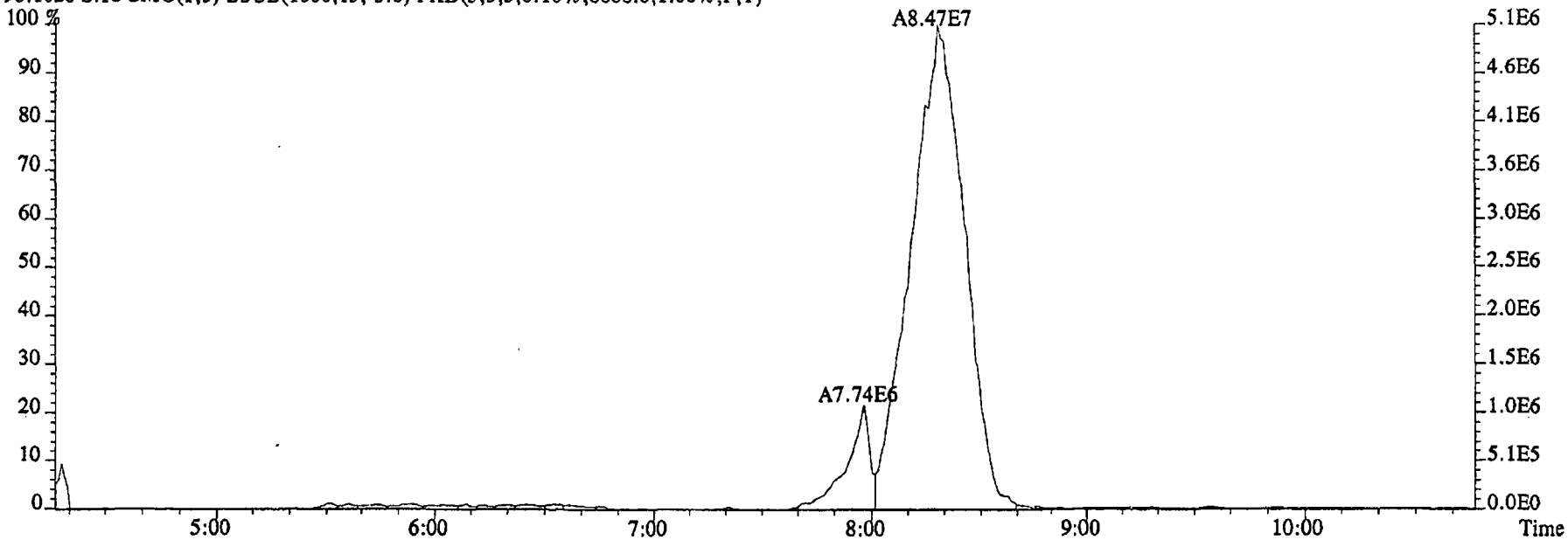
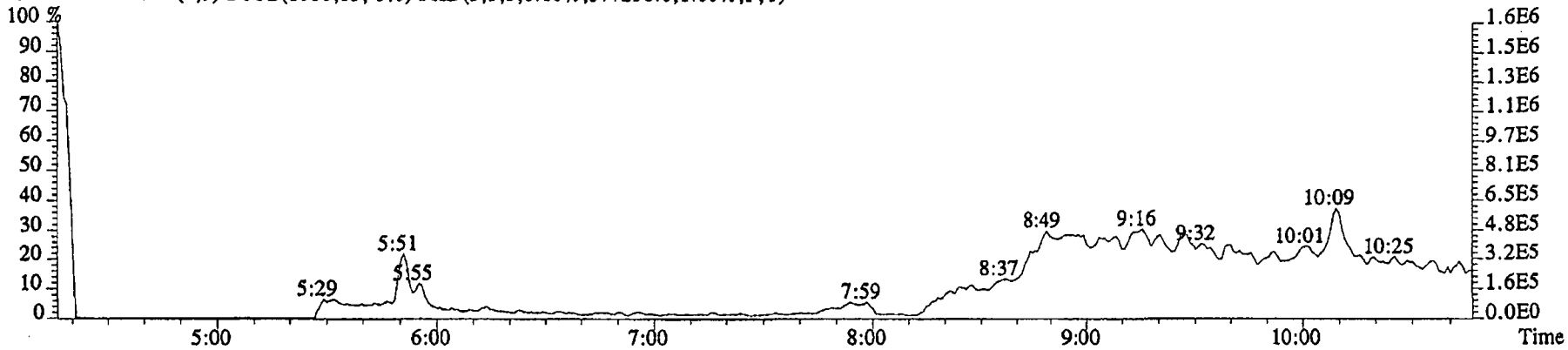
File:16DE045SP #1-481 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
88.0524 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,74476.0,1.00%,F,T)



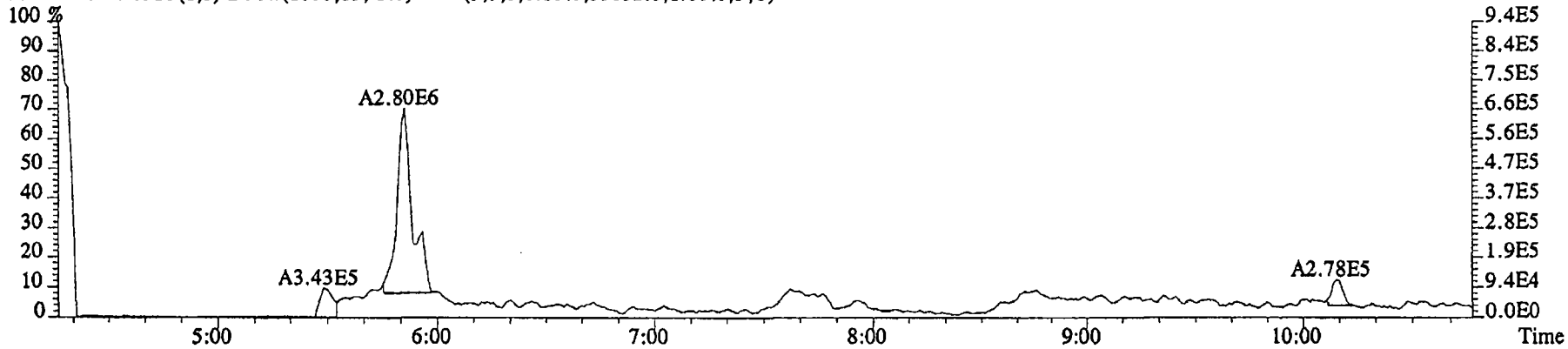
96.1026 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6688.0,1.00%,F,T)



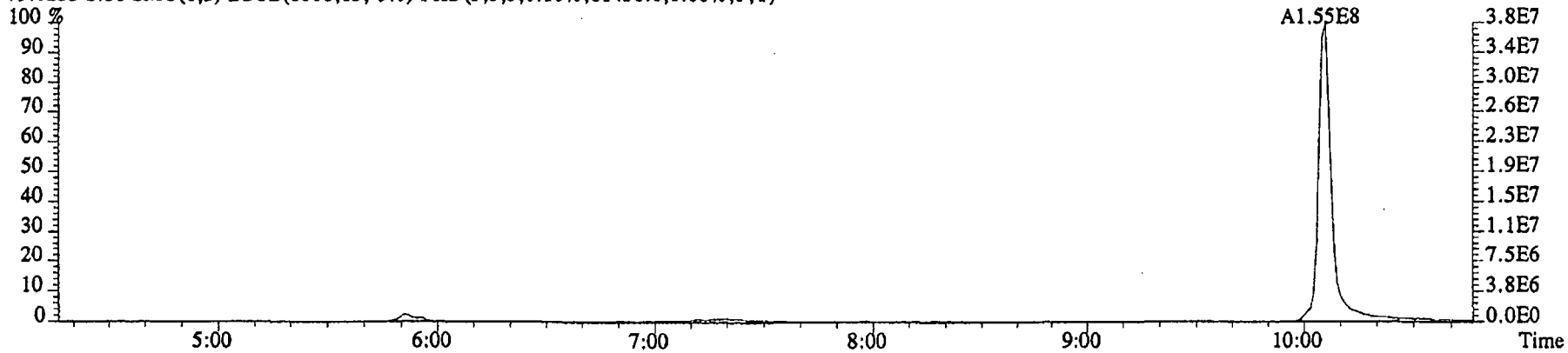
File:16DE045SP #1-481 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
75.0002 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,377256.0,1.00%,F,T)



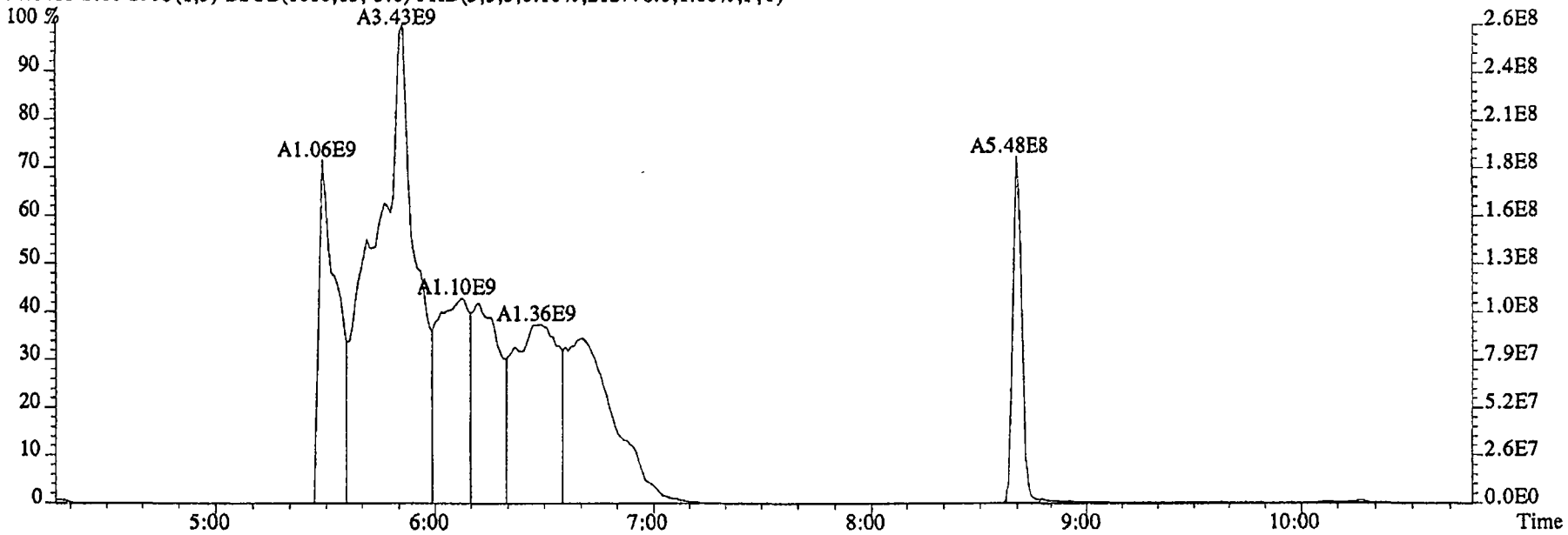
76.9972 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55052.0,1.00%,F,T)



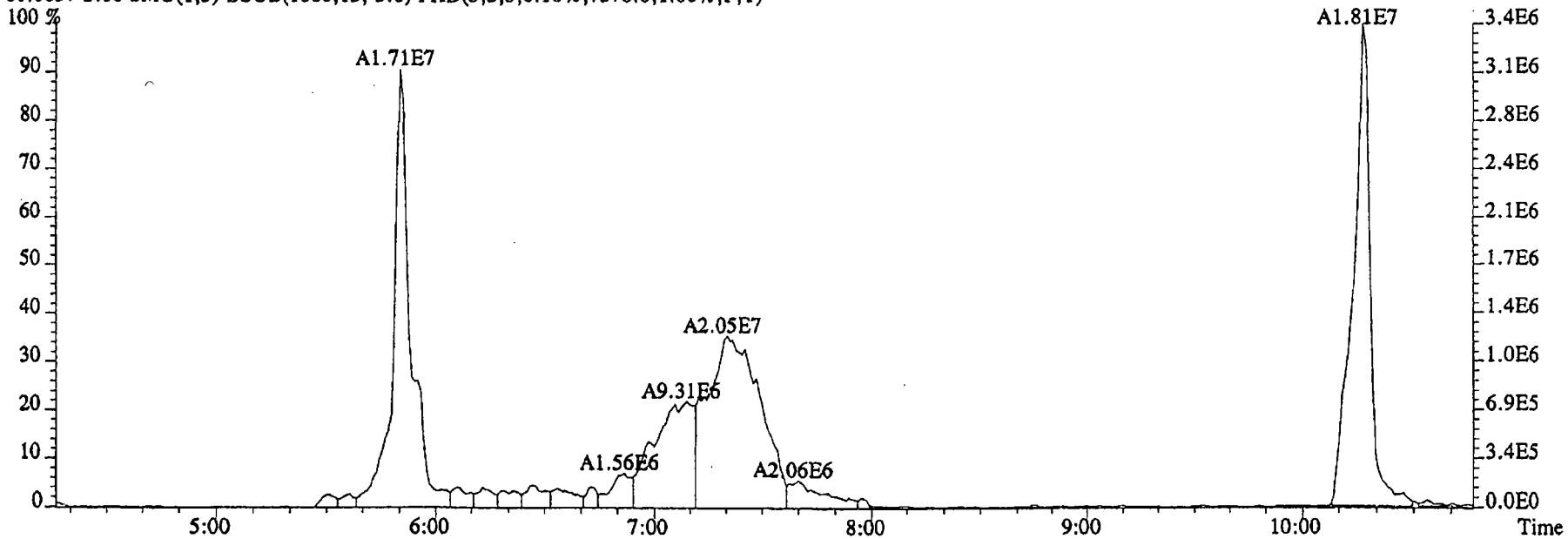
79.0253 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11456.0,1.00%,F,T)



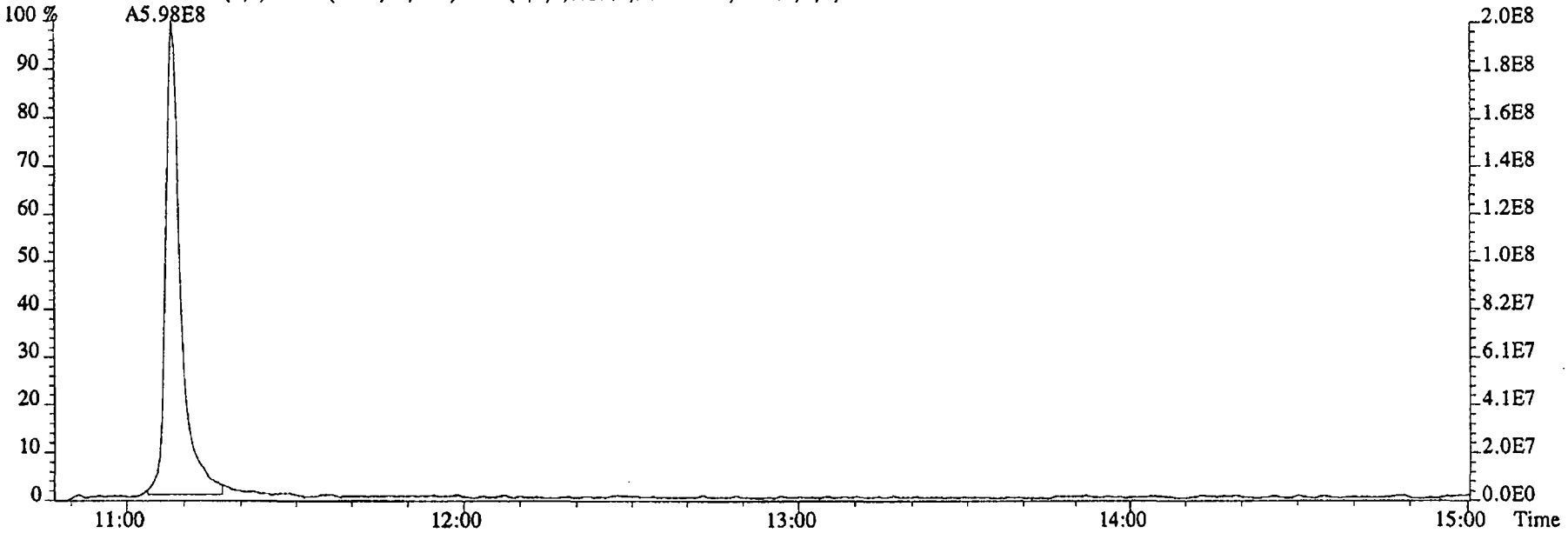
File:16DE045SP #1-481 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
74.0480 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,212776.0,1.00%,F,T)



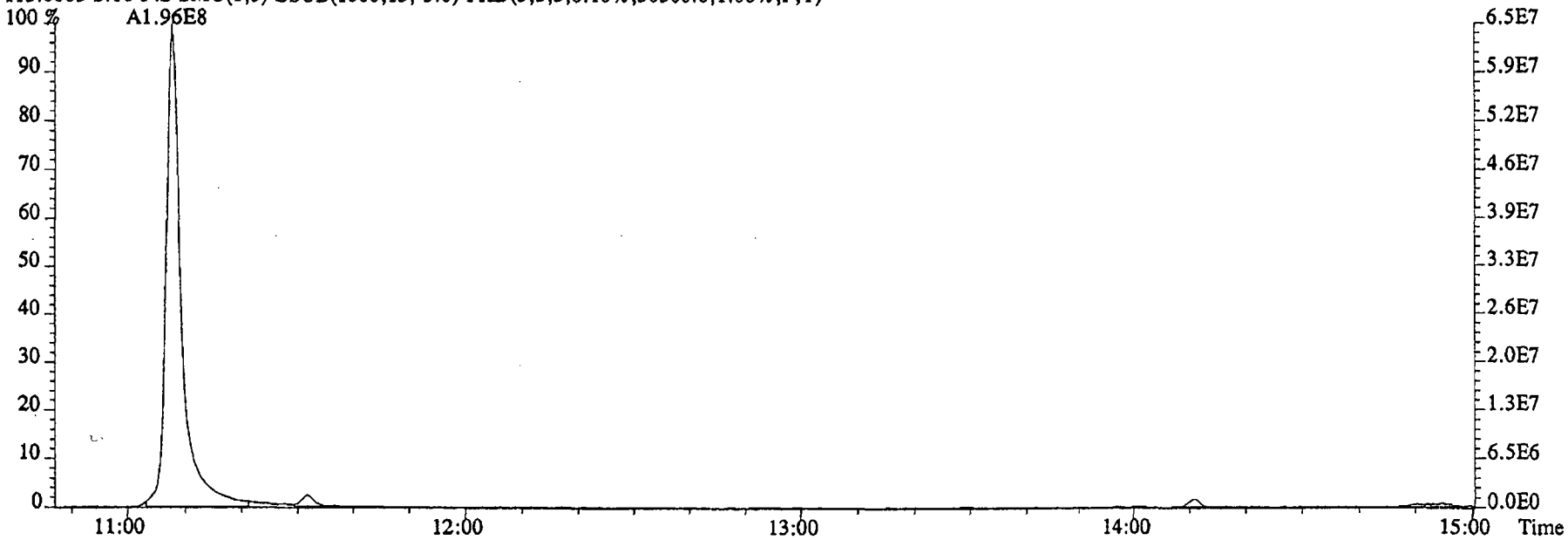
80.0857 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7576.0,1.00%,F,T)



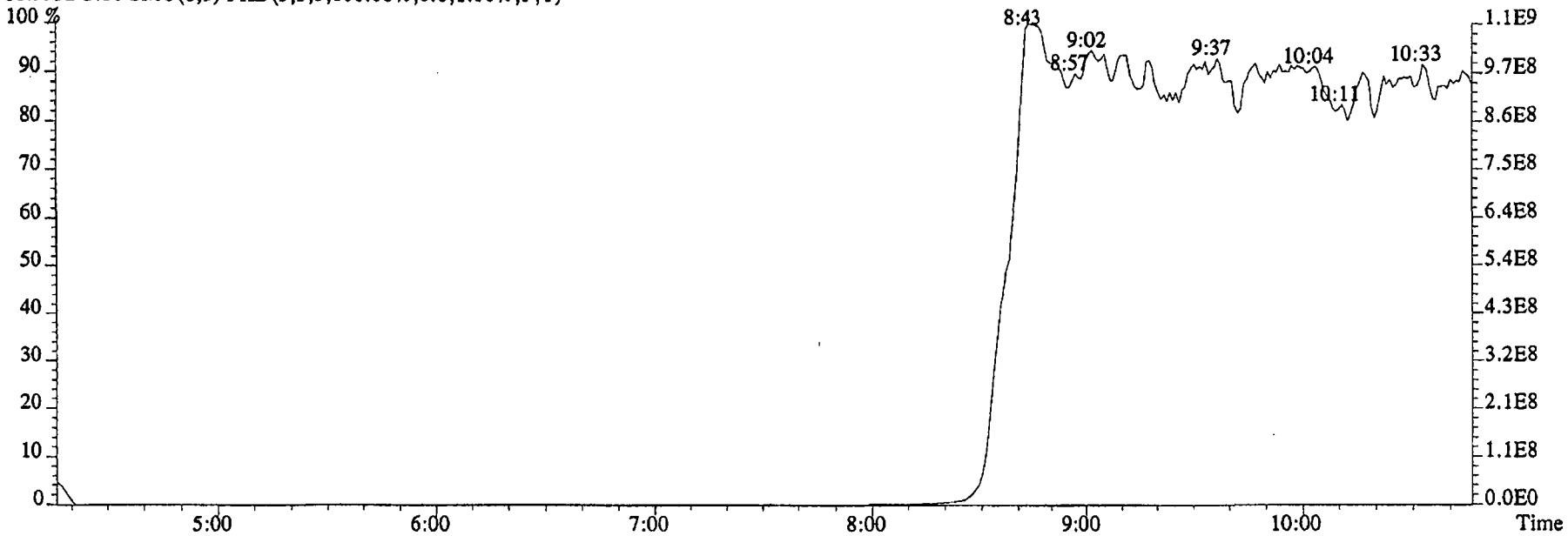
File:16DE045SP #1-590 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
113.0032 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2117772.0,1.00%,F,T)



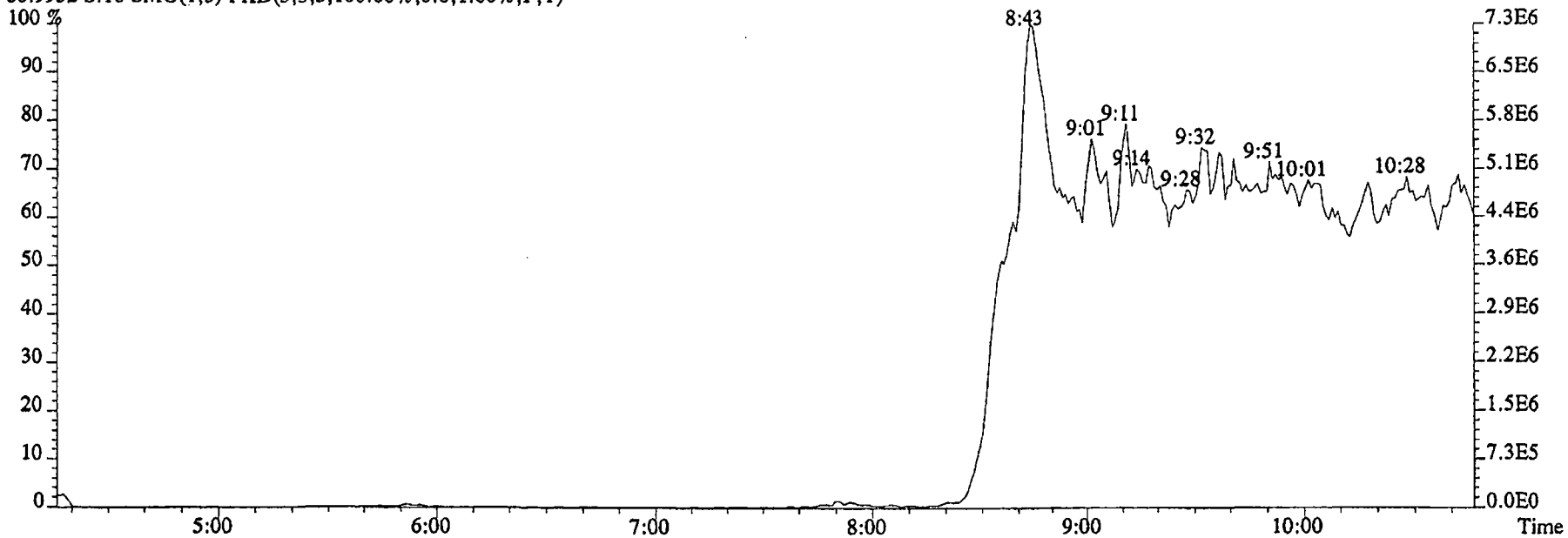
115.0003 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,50360.0,1.00%,F,T)



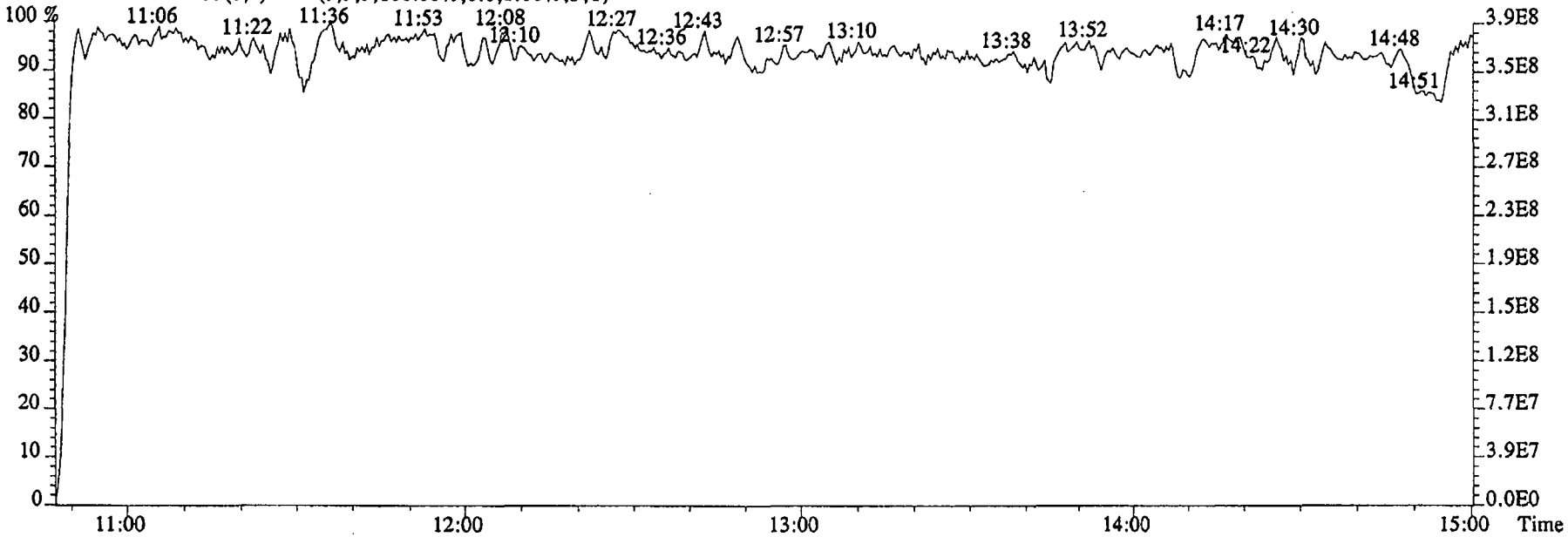
File:16DE045SP #1-481 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
68.9952 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



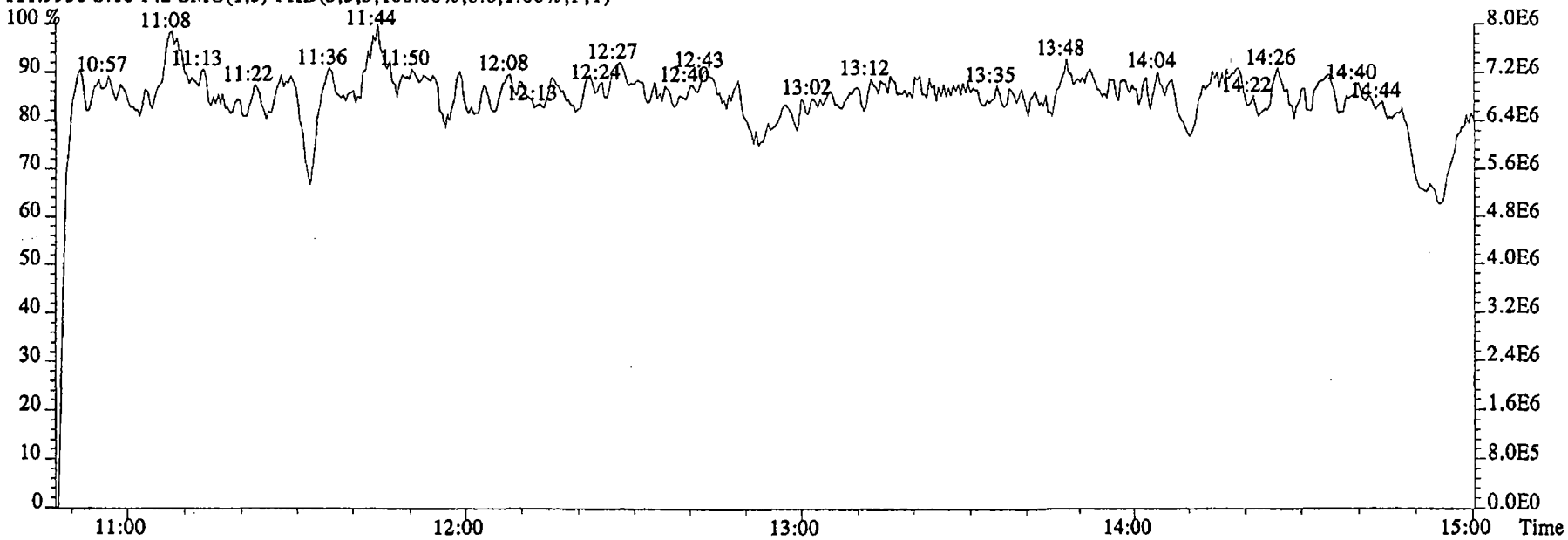
80.9952 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:16-DEC-2004 23:43:28 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K69-1-AC :G4L080479-2 Exp:NDMAVOA
118.9920 S:16 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:16 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K7A-1-AC Sample text: G0K7A-1-AC :G4L080479-3
Run #15 Filename: 16DE045SP S: 17 I: 1 Results: KAS
Acquired: 17-DEC-04 00:03:46 Processed: 17-DEC-04 13:45:46
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.968 L

Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
2-Chloropyridine	146871000		11:02	-	309.30		-	-	n
D8-1,4-Dioxane	71400800		5:00	0.66	153.20		0.13	14.8	n
1,4-Dioxane	172730000		5:00	1.05	2369.42		15.61	-	n
D5-123-TriChloroPropane	59012500		9:59	2.35	35.30		0.05	34.2	n
1,2,3-TriChloroPropane	2737900		10:02	0.48	9.95	✓	0.60	-	n
1,2,3-TriChloroPropane	7212940		10:02	-	4.57		-	-	n
D6-NDMA	15443700		10:08	1.48	14.66		0.04	14.2	n
NDMA	5501820		10:08	1.37	~~26.78~~	NQ	3.83	-	n
2-Chloropyridine	466366000		11:03	-	307.31		-	-	n

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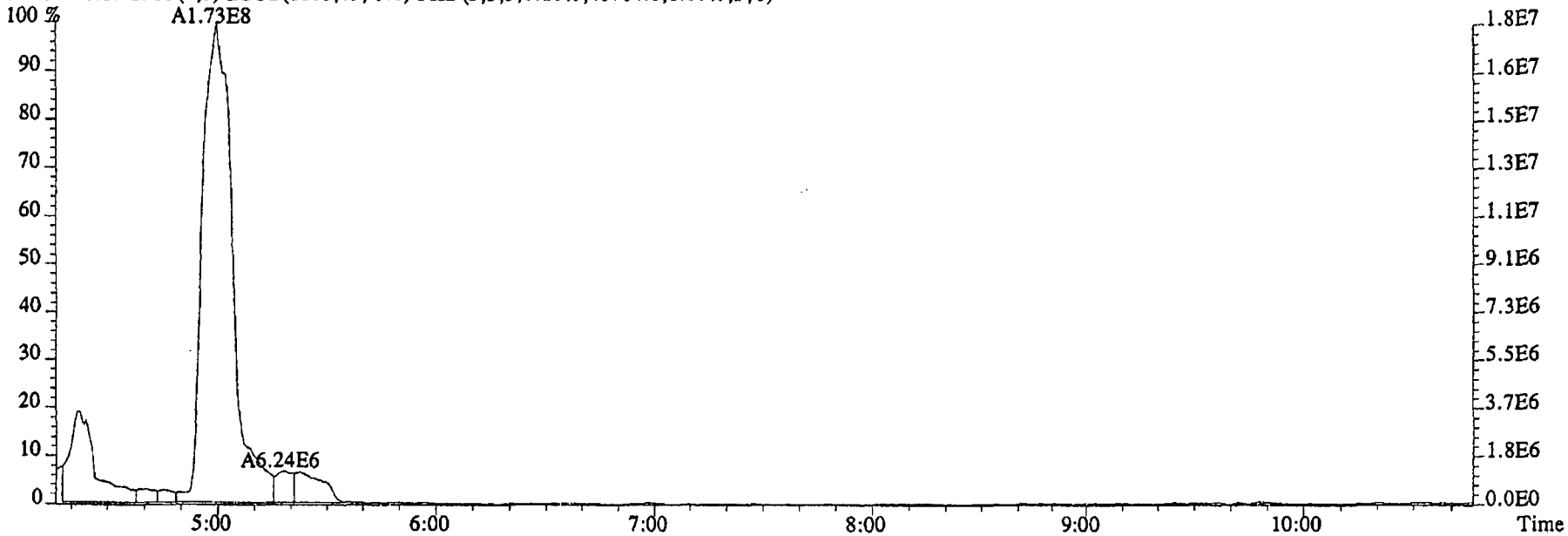
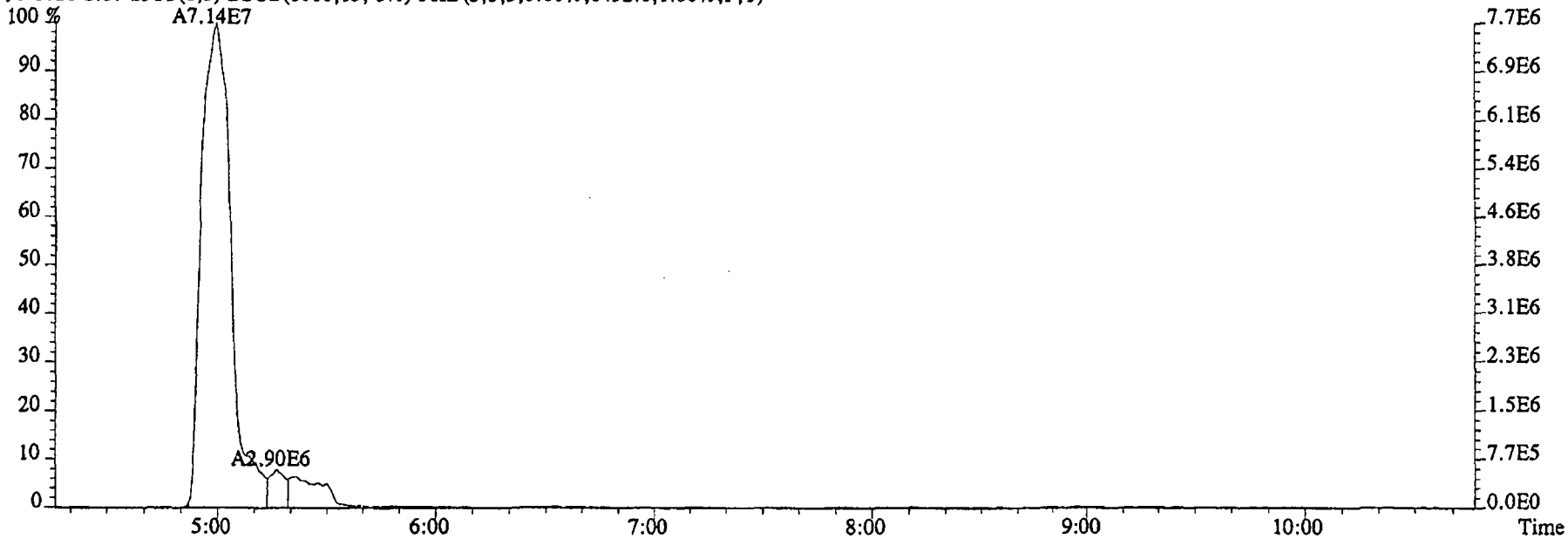
e

File:16DE045SP #1-481 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA
88.0524 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40764.0,1.00%,F,T)

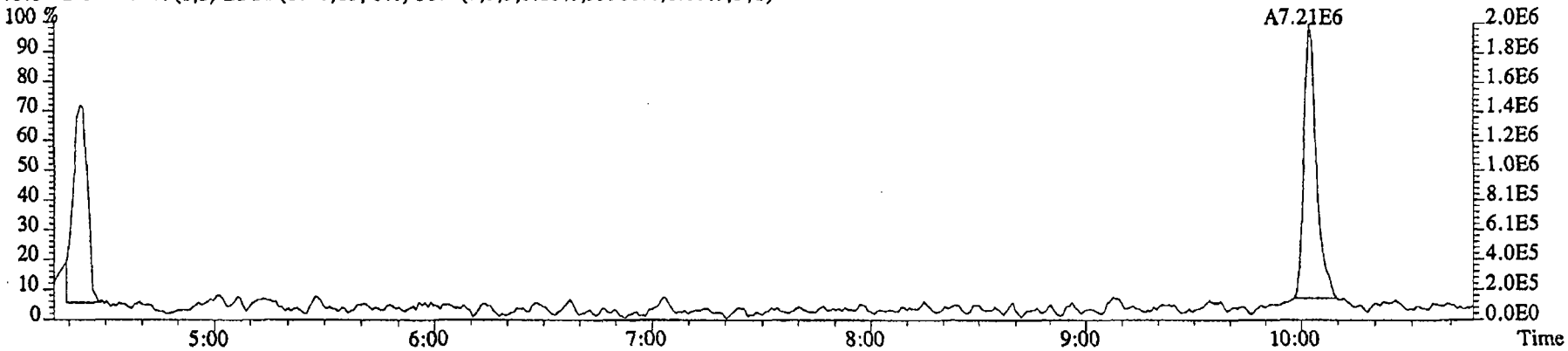


96.1026 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6492.0,1.00%,F,T)

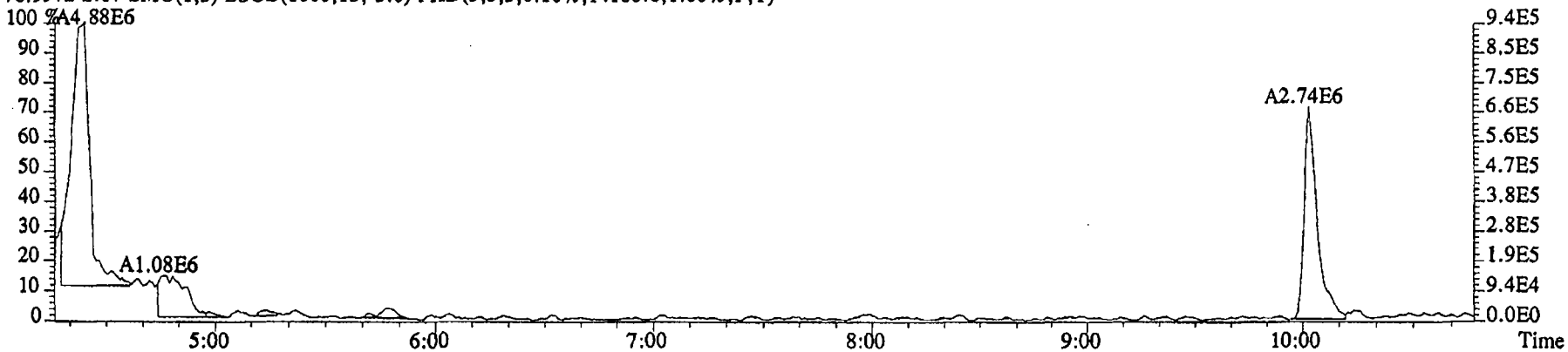


File:16DE045SP #1-481 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA

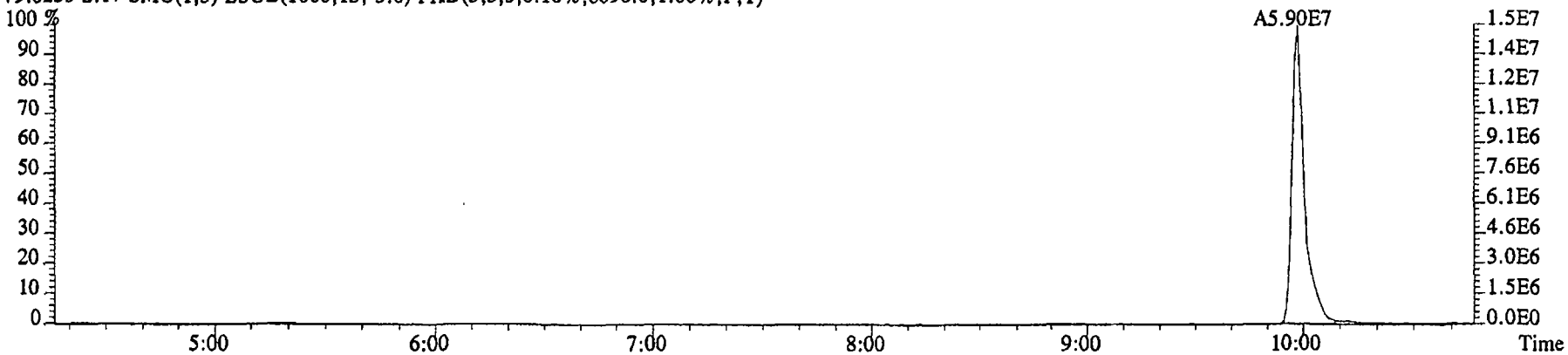
75.0002 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99960.0,1.00%,F,T)



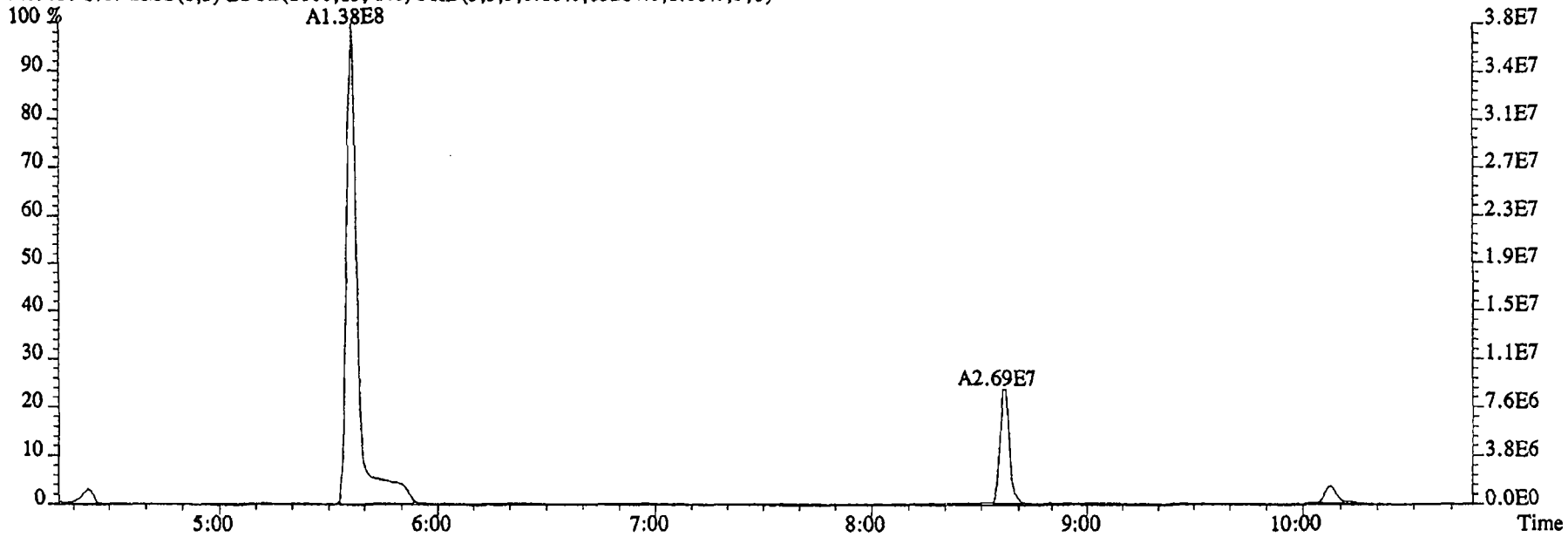
76.9972 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14180.0,1.00%,F,T)



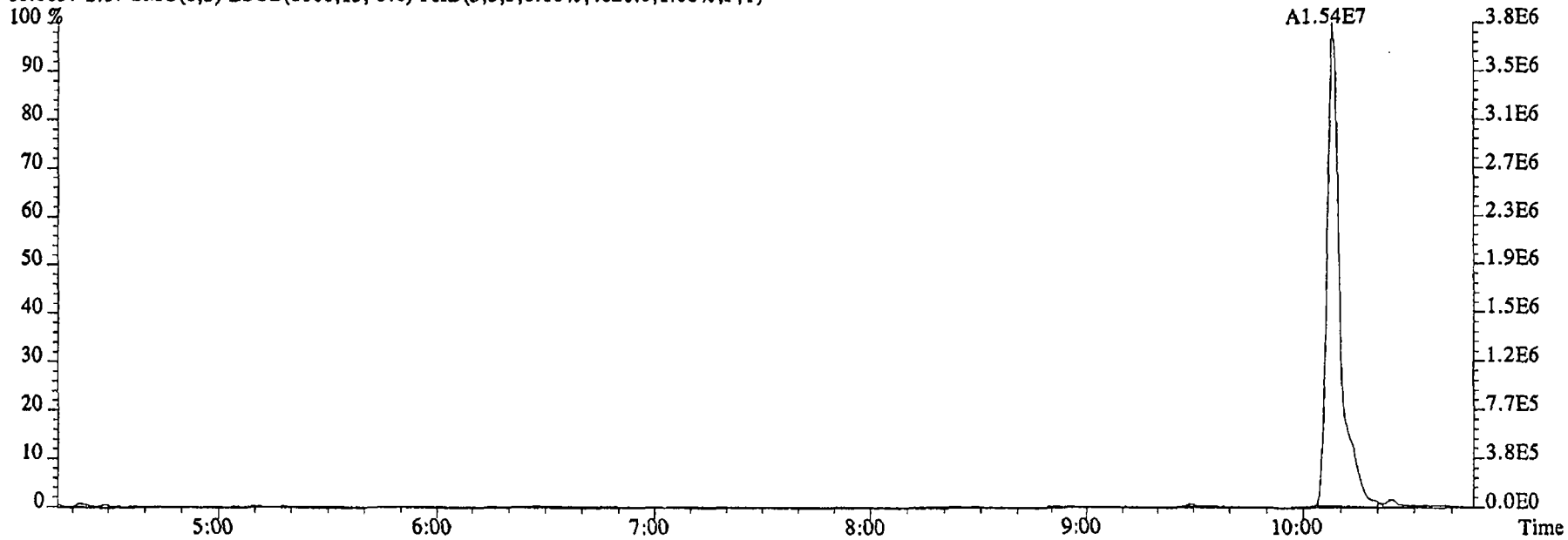
79.0253 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8096.0,1.00%,F,T)



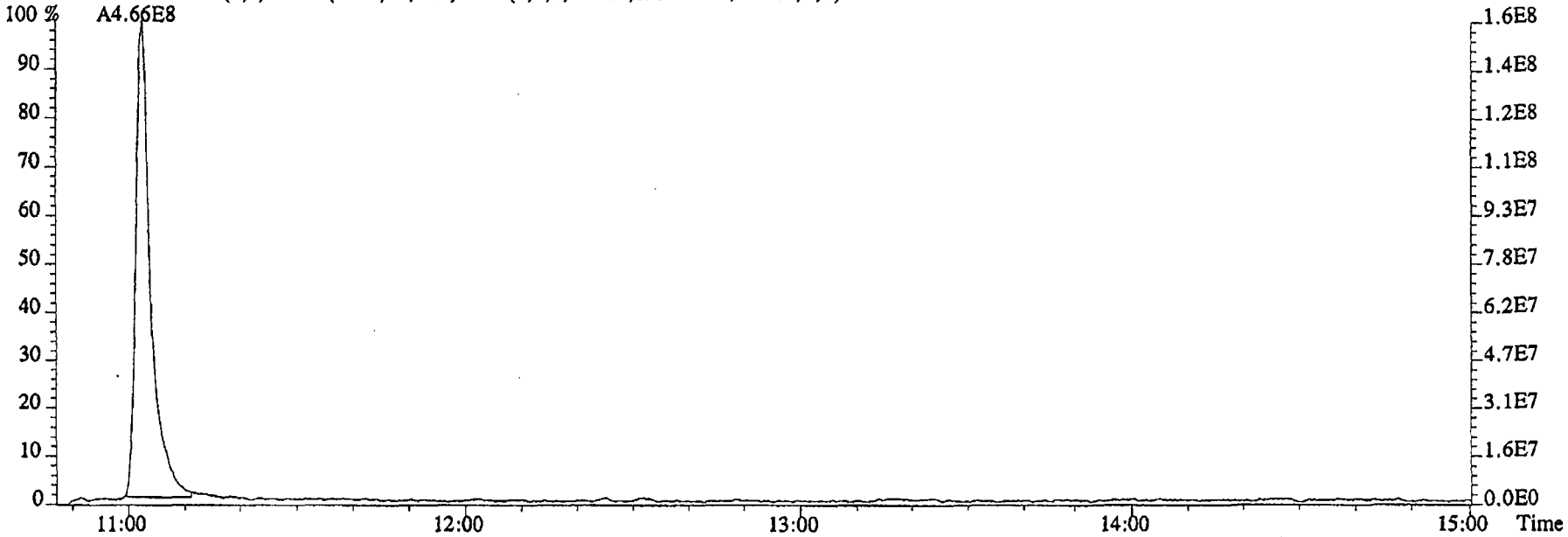
File:16DE045SP #1-481 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA
74.0480 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,65284.0,1.00%,F,T)



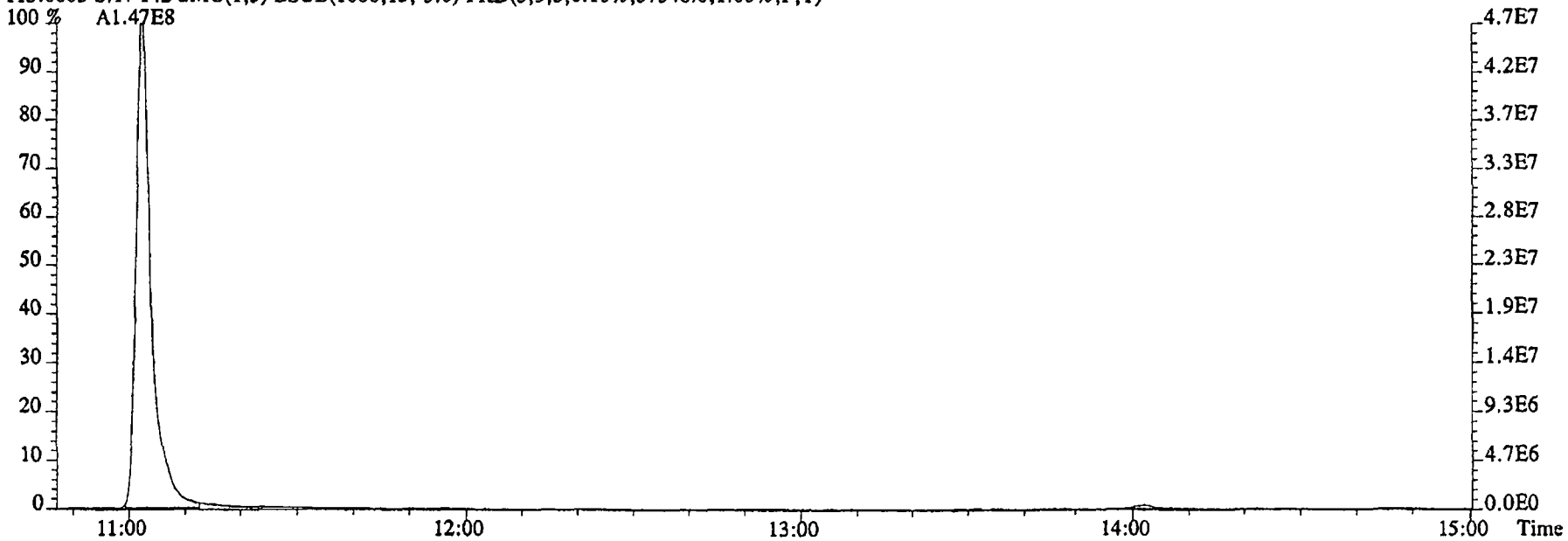
80.0857 S:17 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4020.0,1.00%,F,T)



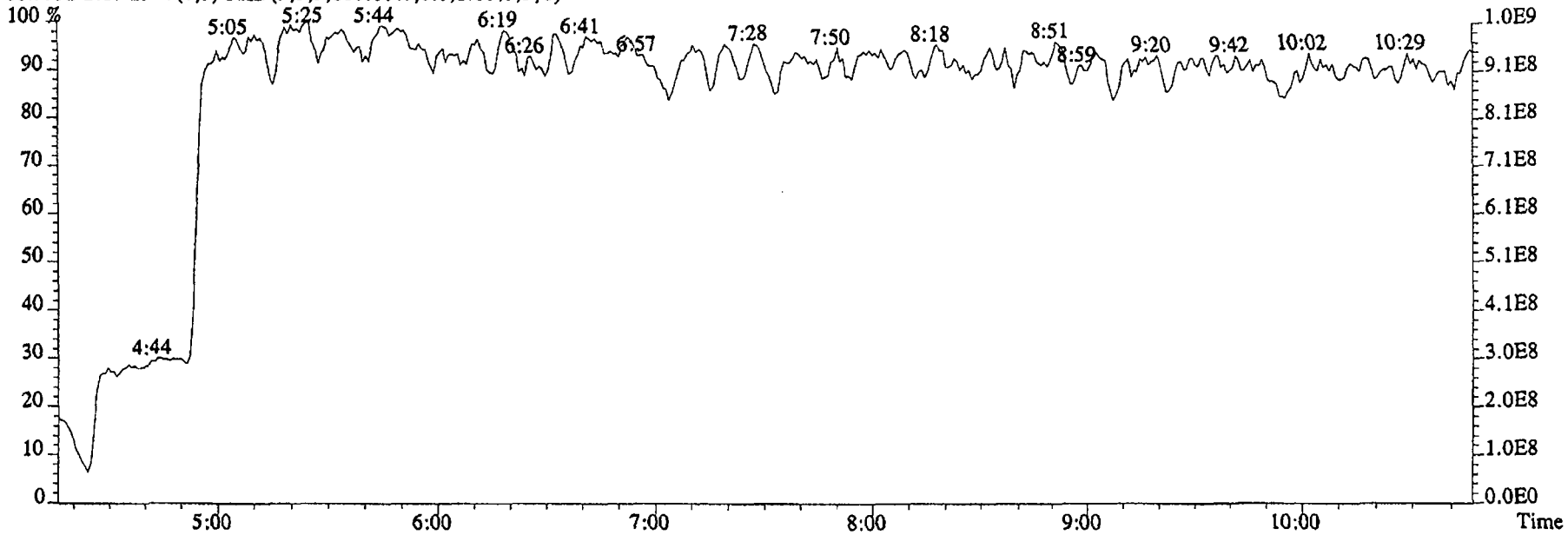
File:16DE045SP #1-590 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA
113.0032 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1934760.0,1.00%,F,T)



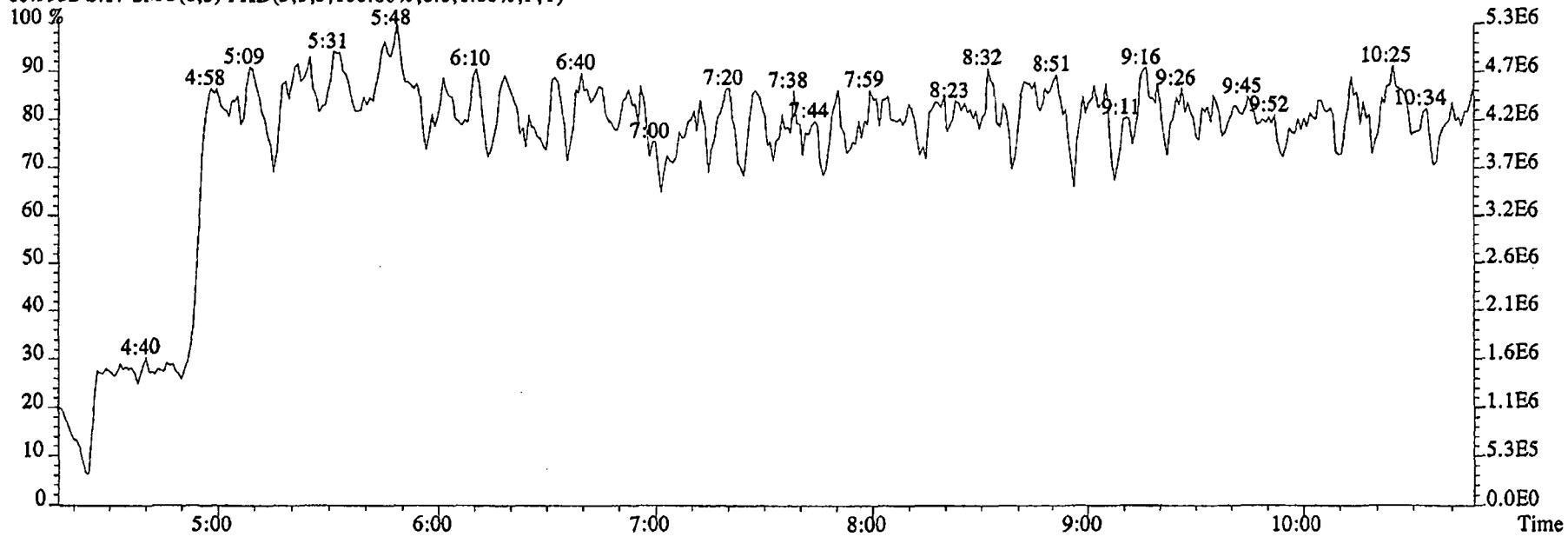
115.0003 S:17 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57348.0,1.00%,F,T)



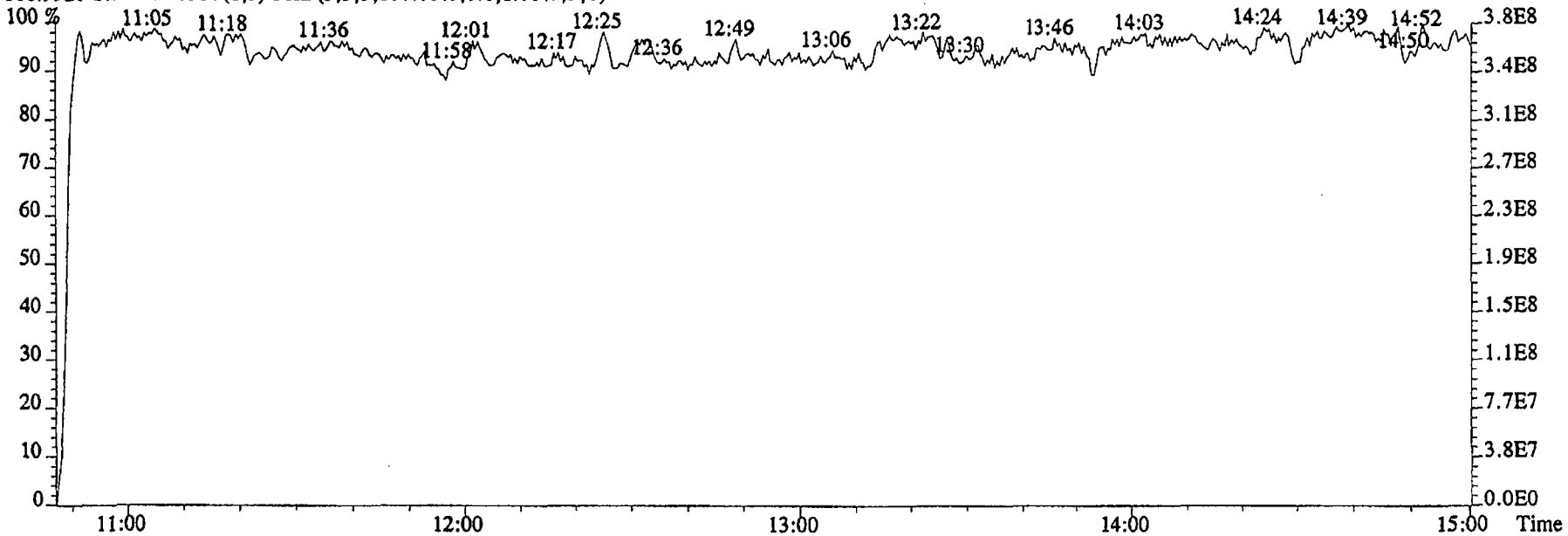
File:16DE045SP #1-481 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA
68.9952 S:17 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



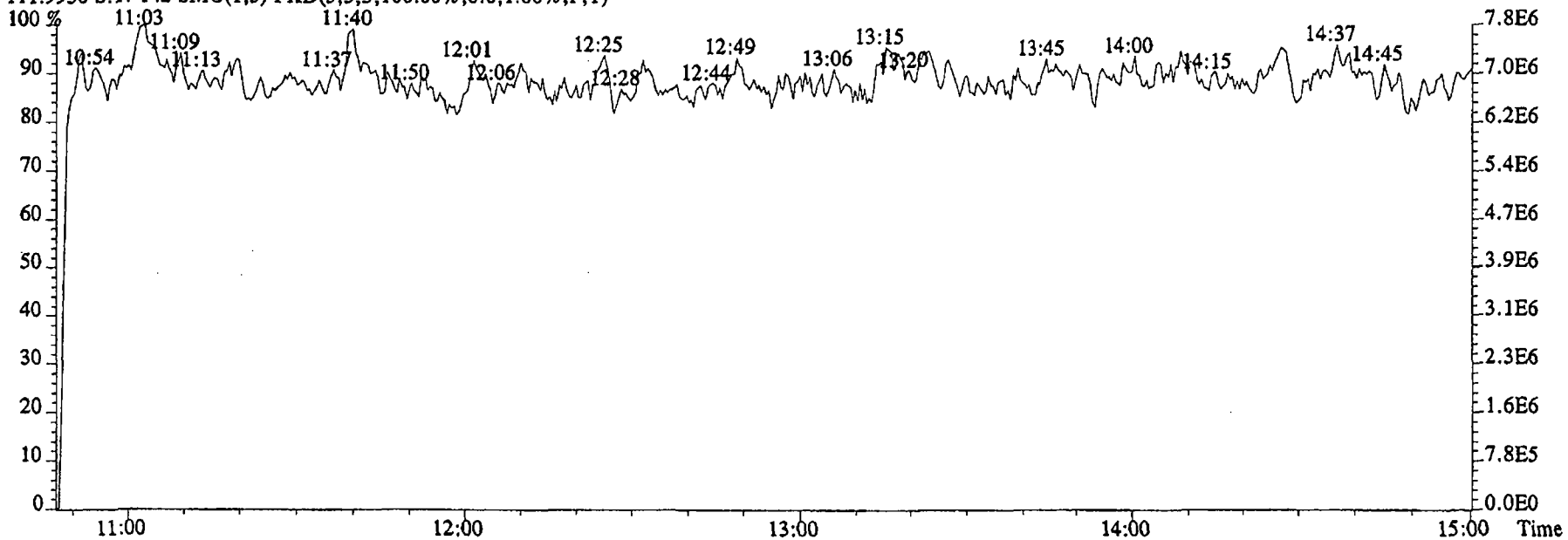
80.9952 S:17 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:17-DEC-2004 00:03:46 GC EI+ Voltage SIR 70SE
Sample#17 Text:G0K7A-1-AC :G4L080479-3 Exp:NDMAVOA
118.9920 S:17 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:17 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

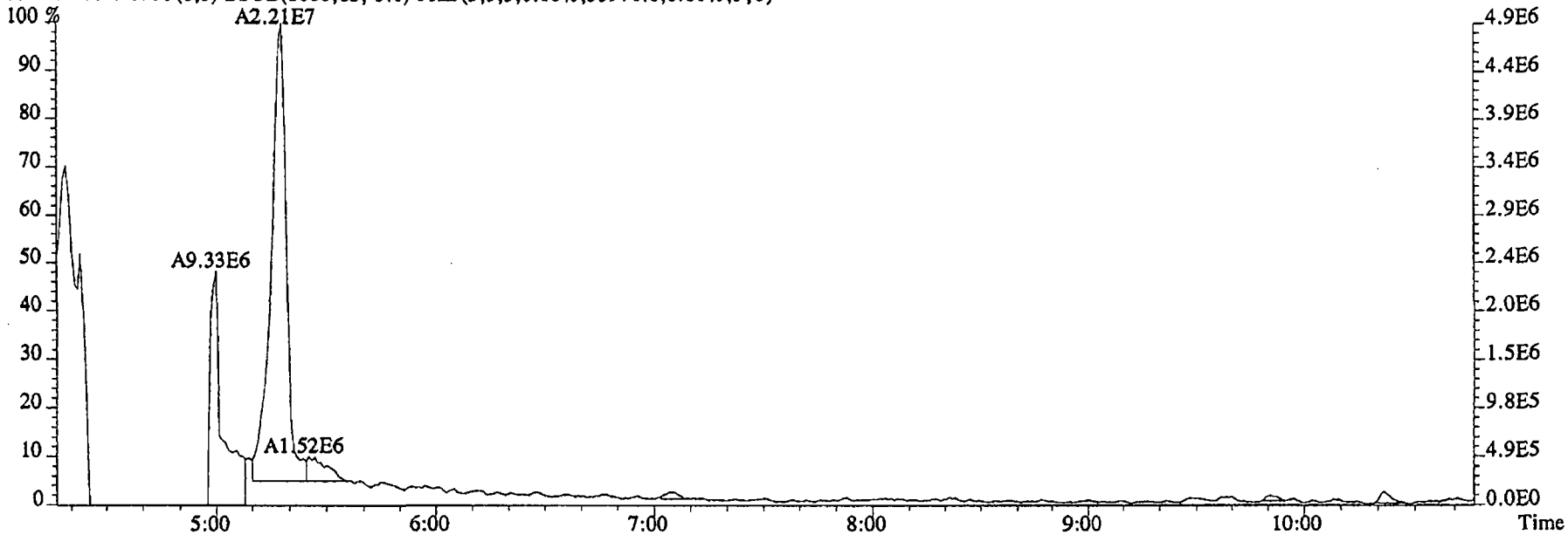


Run text: G0K7D-1-AC Sample text: G0K7D-1-AC :G4L080479-4
Run #16 Filename: 16DE045SP S: 18 I: 1 Results: KAS
Acquired: 17-DEC-04 00:24:03 Processed: 17-DEC-04 13:45:47
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.928 L

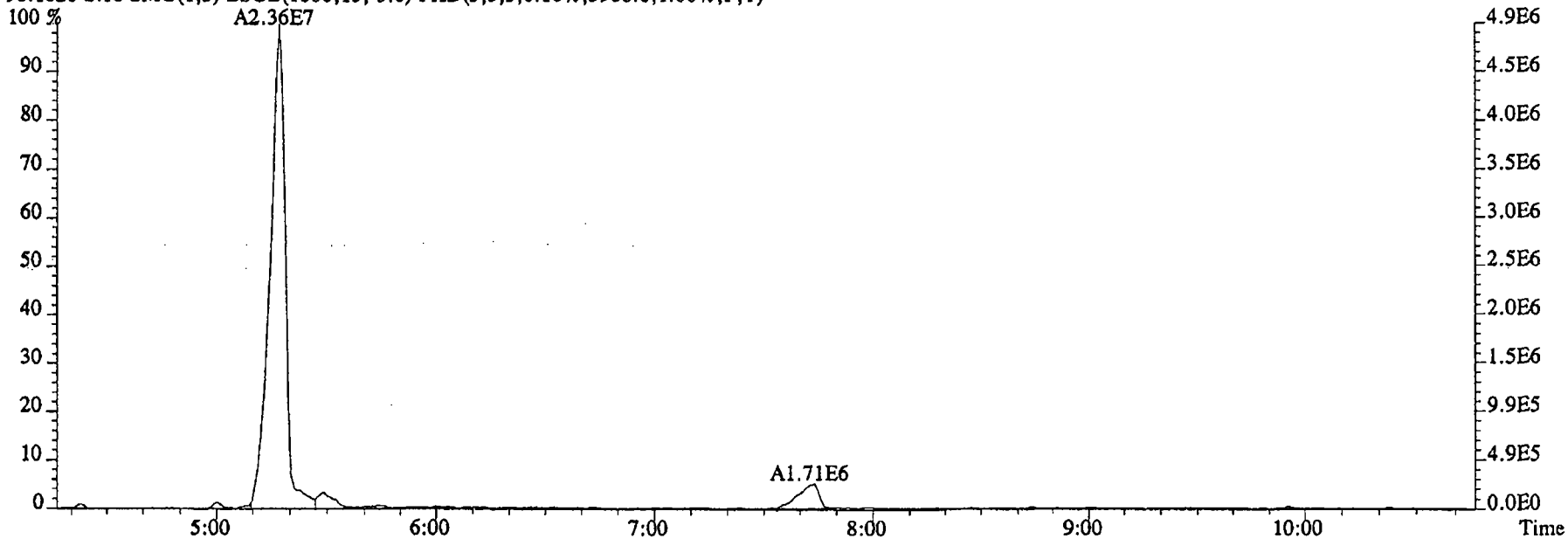
Name	Resp	RA	RT	RRF	Conc	pu	EDL	Rec	M
2-Chloropyridine	132776000		11:05	-	291.72		-	-	n
D8-1,4-Dioxane	151217		5:00	0.66	0.37		0.13	0.0	n
1,4-Dioxane	9334200		5:00	1.05	63076.73		2755.64	-	n
D5-123-TriChloroPropane	118090000		10:01	2.35	81.52		0.10	75.7	n
1,2,3-TriChloroPropane	*		NotFnd	0.48	*	<5.0	0.62	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	11231200		10:12	1.48	12.31		0.08	11.4	n
NDMA	3507910		10:11	1.37	~~24.50~~	NA	10.83	-	n
2-Chloropyridine	413390000		11:05	-	284.20		-	-	n

12-31-04
CF

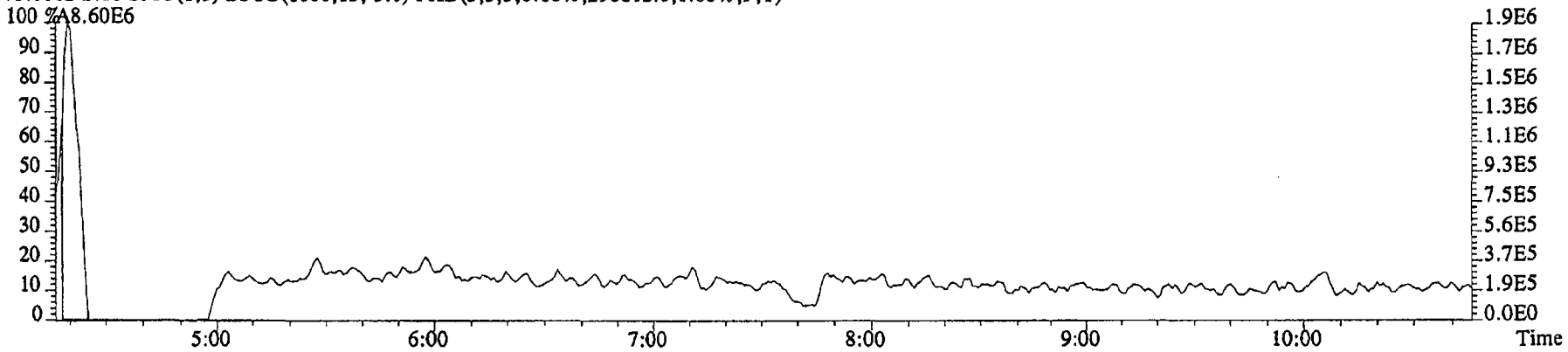
File:16DE045SP #1-480 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
88.0524 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,53976.0,1.00%,F,T)



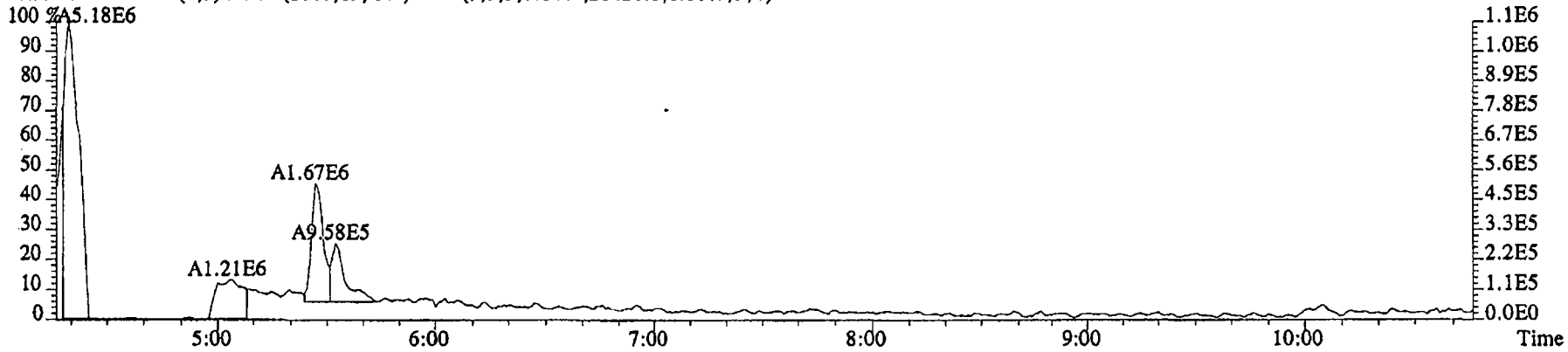
96.1026 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5908.0,1.00%,F,T)



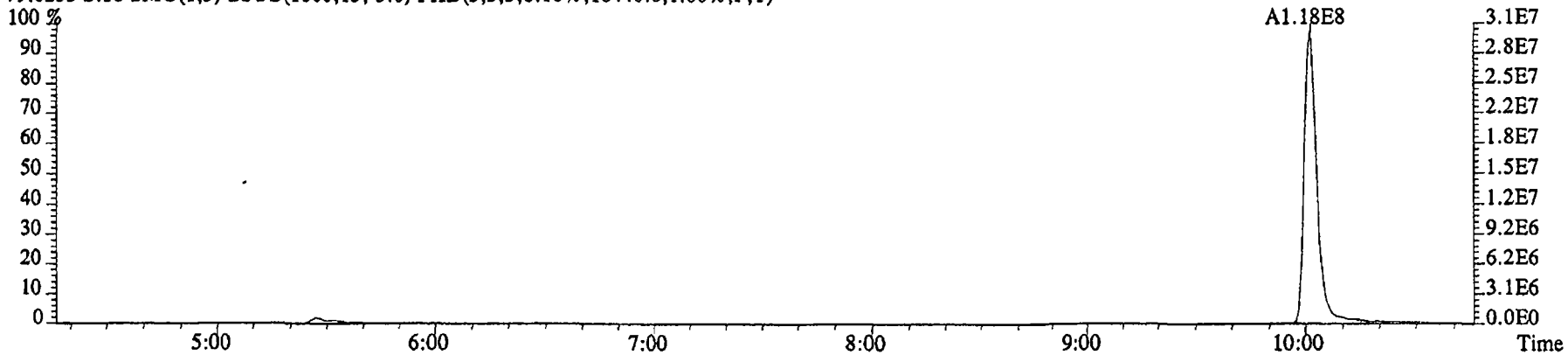
File:16DE045SP #1-480 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
75.0002 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,290812.0,1.00%,F,T)



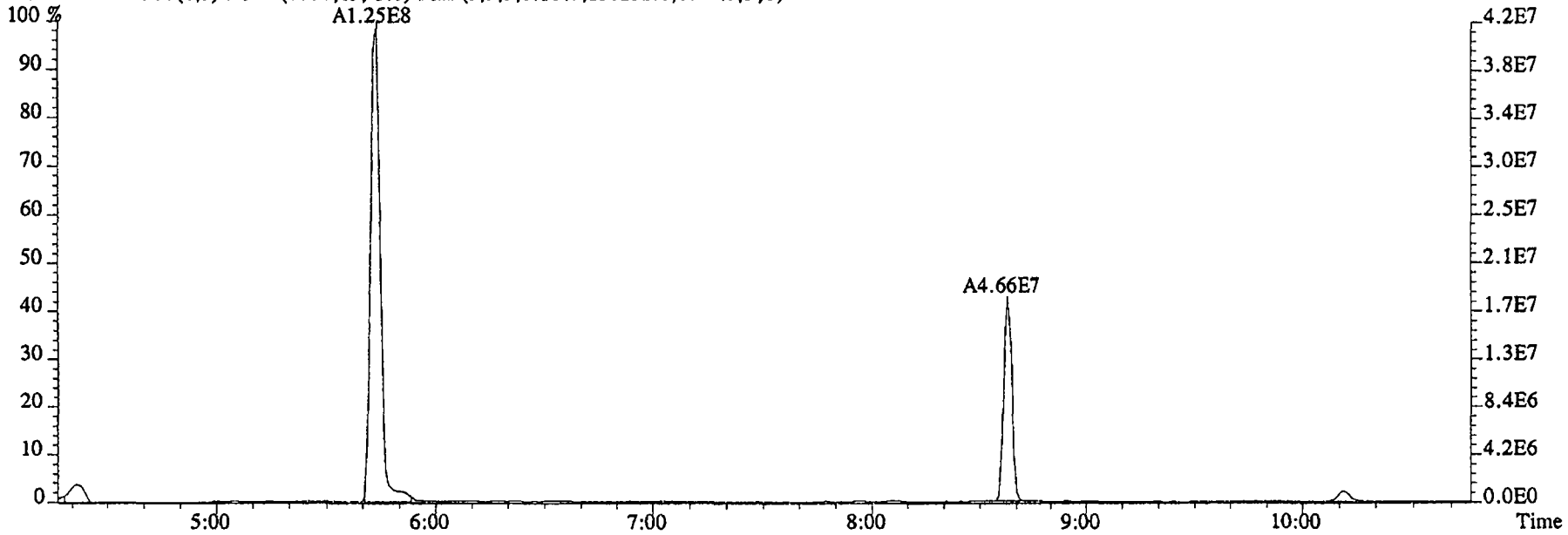
76.9972 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28420.0,1.00%,F,T)



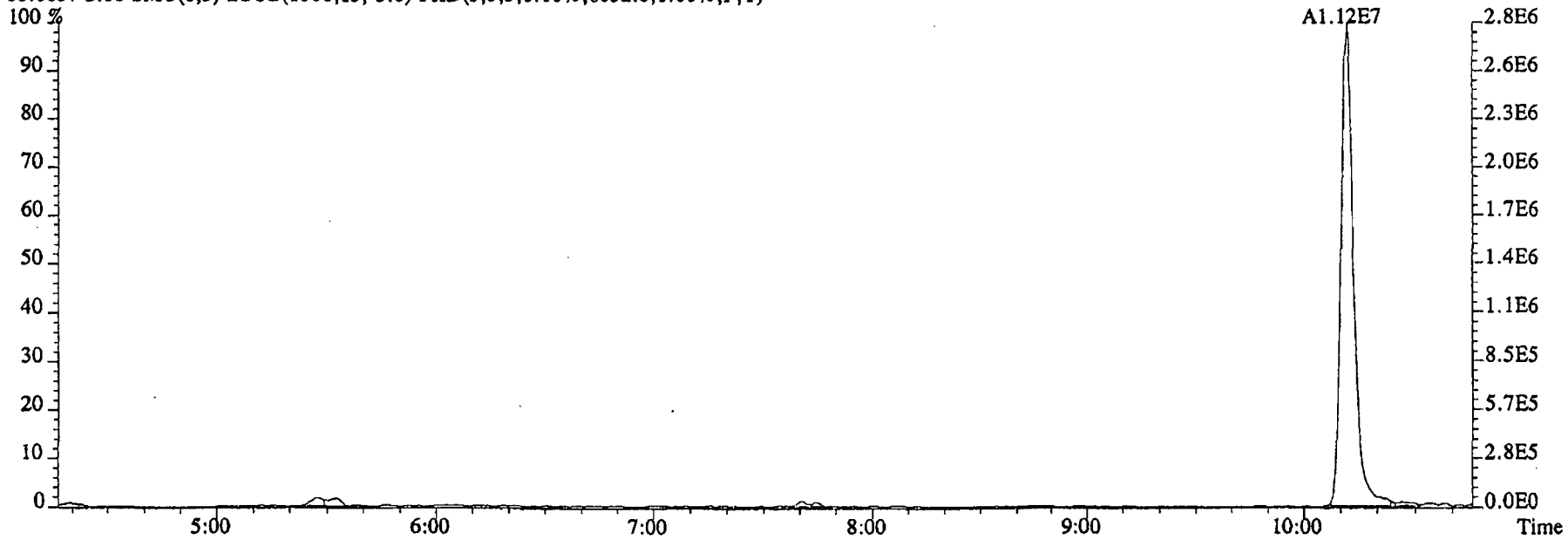
79.0253 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16440.0,1.00%,F,T)



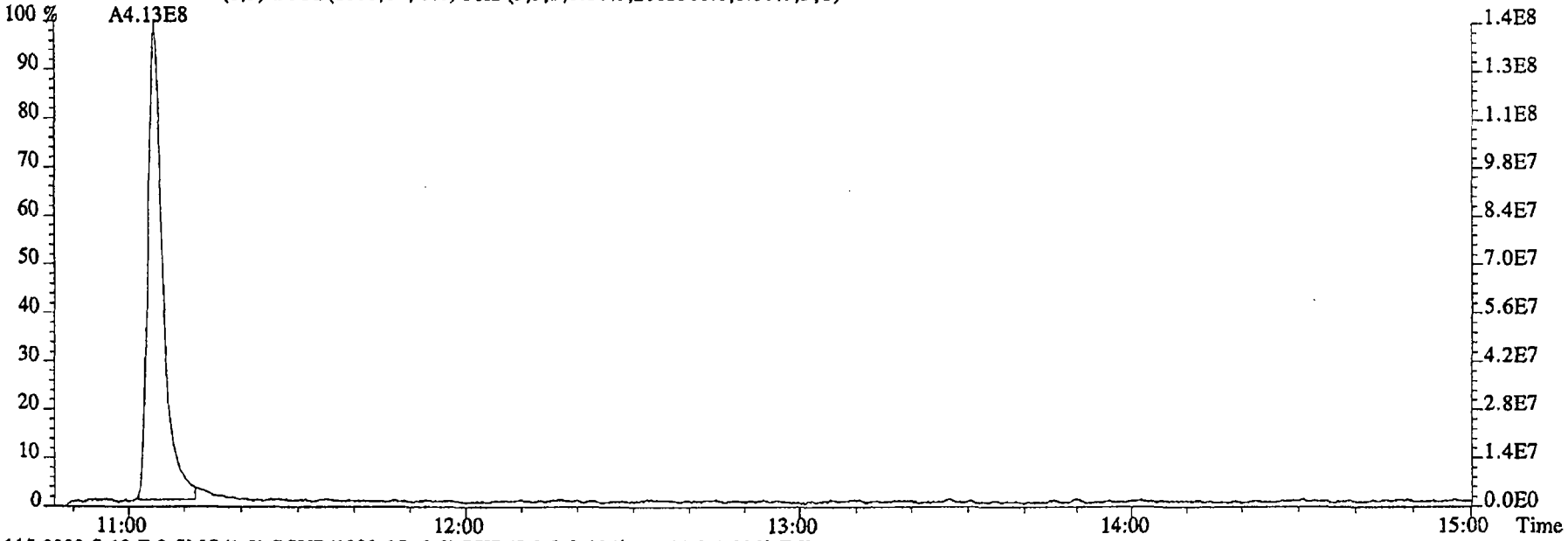
File:16DE045SP #1-480 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
74.0480 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,130252.0,1.00%,F,T)



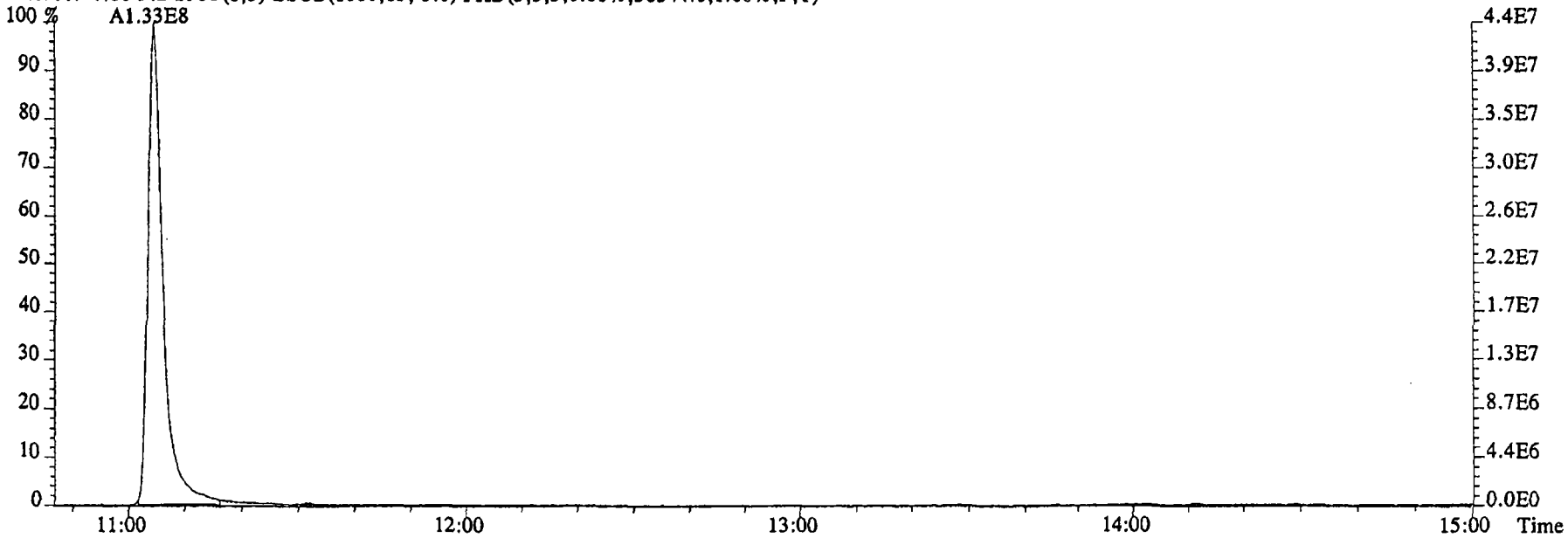
80.0857 S:18 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8052.0,1.00%,F,T)



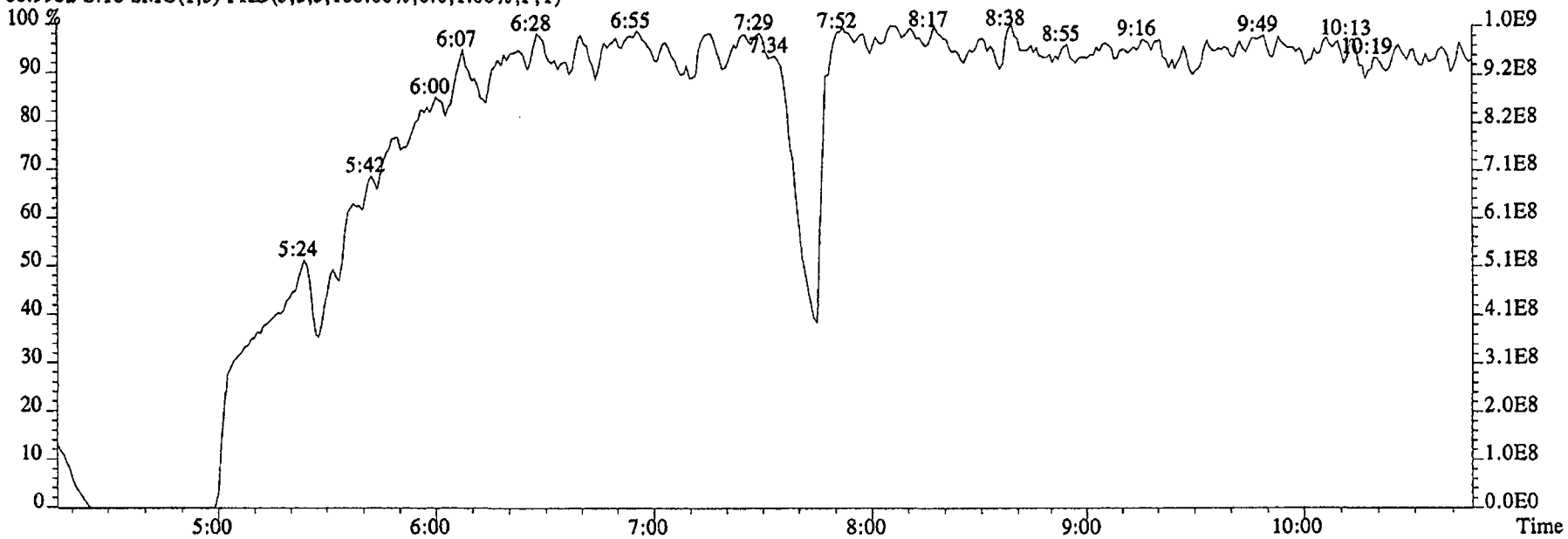
File:16DE045SP #1-591 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
113.0032 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2005500.0,1.00%,F,T)



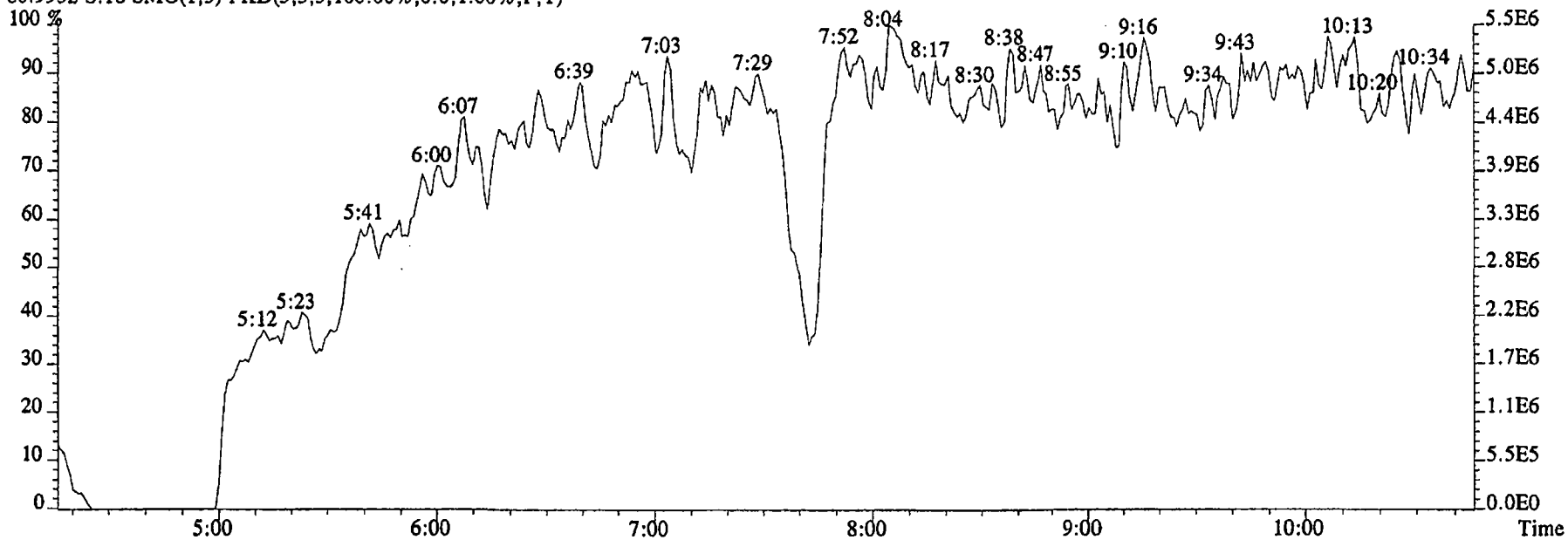
115.0003 S:18 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,56344.0,1.00%,F,T)



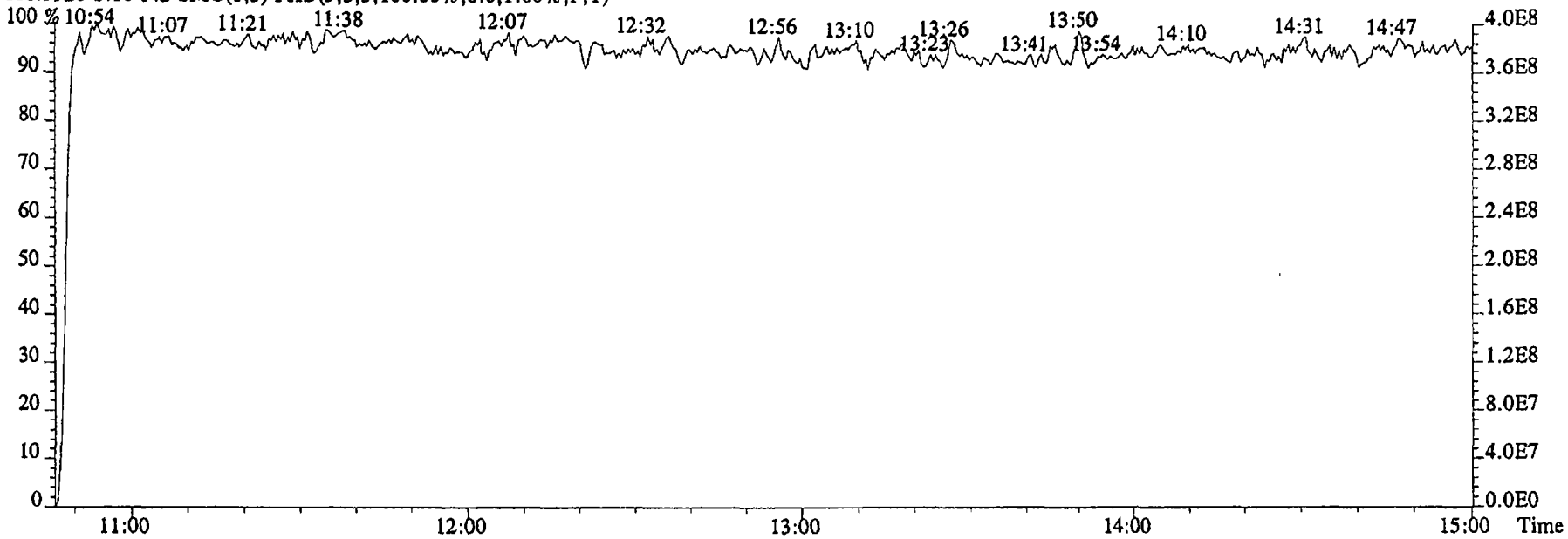
File:16DE045SP #1-480 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
68.9952 S:18 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



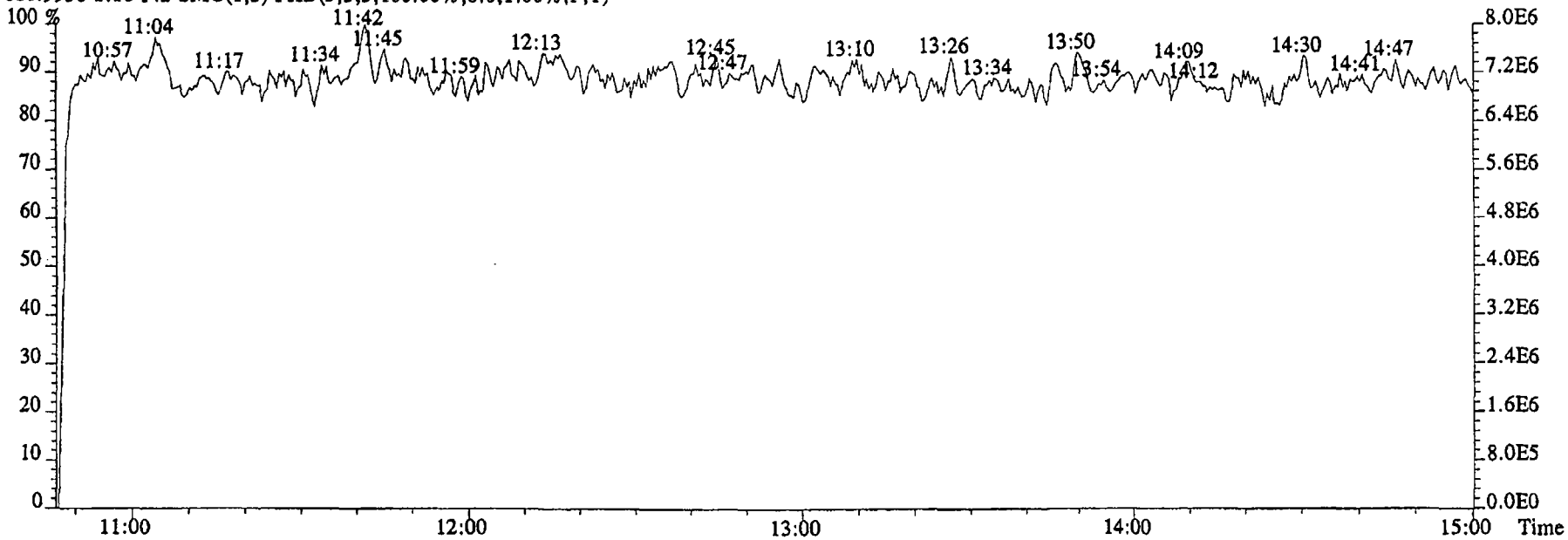
80.9952 S:18 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 00:24:03 GC EI+ Voltage SIR 70SE
Sample#18 Text:G0K7D-1-AC :G4L080479-4 Exp:NDMAVOA
118.9920 S:18 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:18 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K7E-1-AC Sample text: G0K7E-1-AC :G4L080479-5
Run #17 Filename: 16DE045SP S: 19 I: 1 Results: KAS
Acquired: 17-DEC-04 00:44:21 Processed: 17-DEC-04 13:45:48
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.928 L

Name	Resp	RA	RT	RRF	Conc	RL	EDL	Rec	M
2-Chloropyridine	204224000		11:06	-	448.61		-	-	n
D8-1,4-Dioxane	*		NotFnd	0.66	*		0.11	*	n
1,4-Dioxane	9206190		5:11	1.05	*		*	-	n
D5-123-TriChloroPropane	137000000		10:03	2.35	61.47		0.08	57.1	n
1,2,3-TriChloroPropane	82948		10:07	0.48	~~0.14~~	<5.0	0.43	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	15845900		10:13	1.48	11.29		0.05	10.5	n
NDMA	5596370		10:13	1.37	~~27.69~~	NA	17.13	-	n
2-Chloropyridine	645951000		11:06	-	443.99		-	-	n

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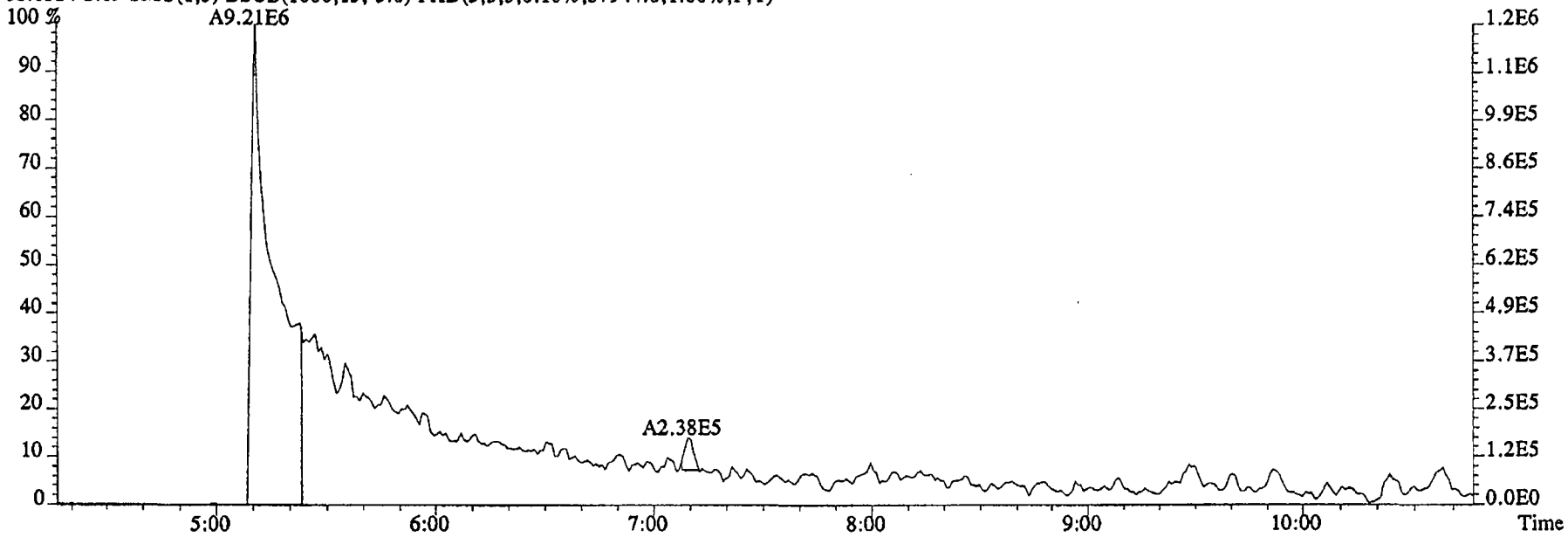
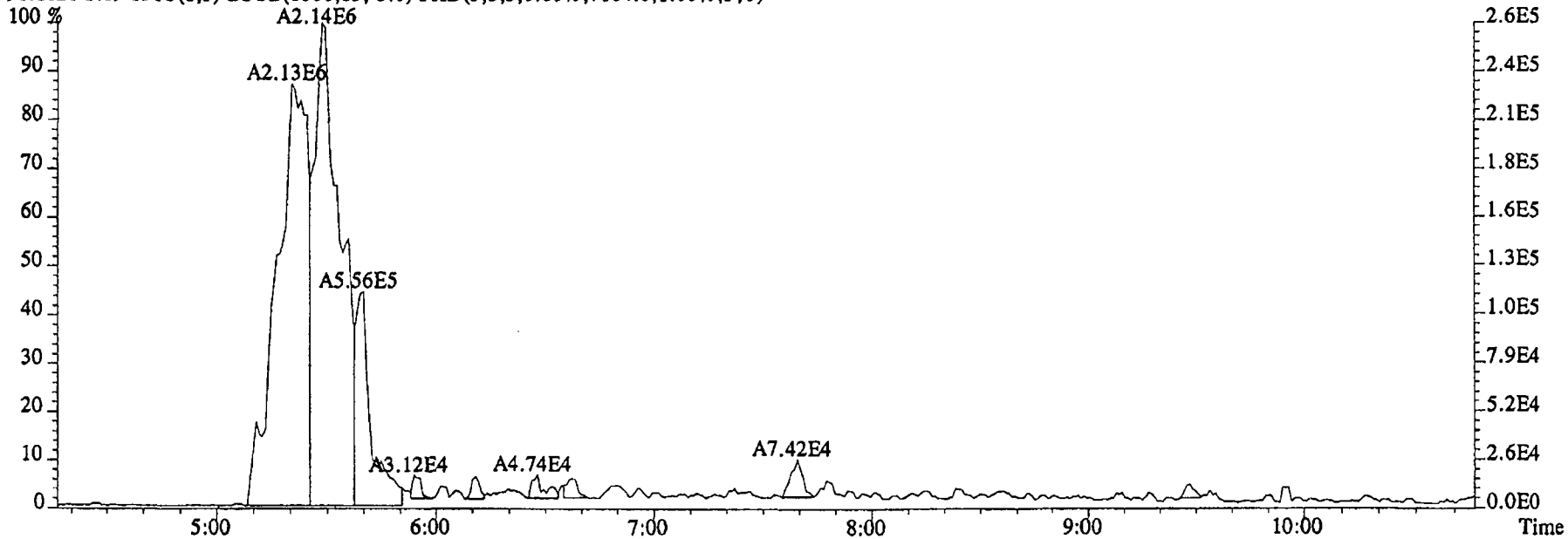
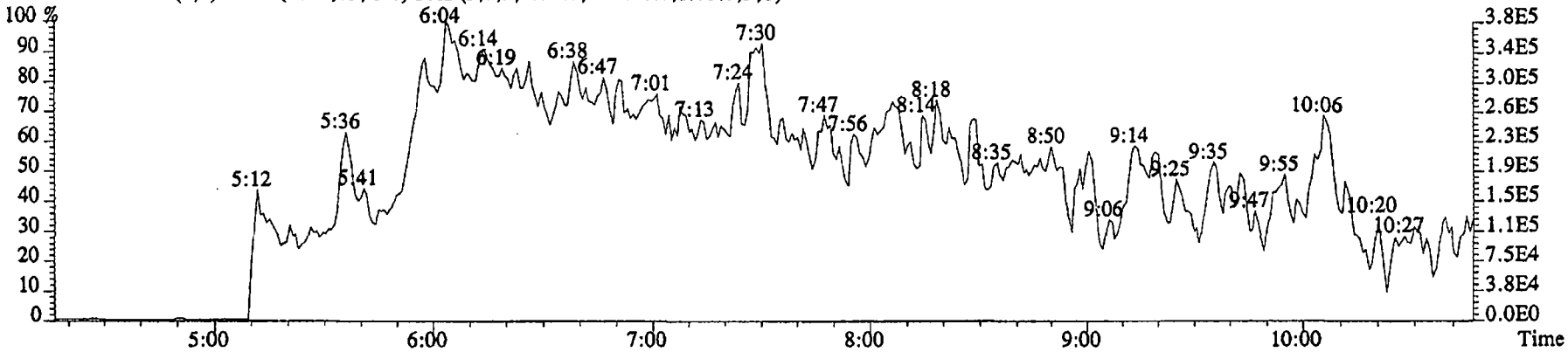
File:16DE045SP #1-480 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
88.0524 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,57944.0,1.00%,F,T)



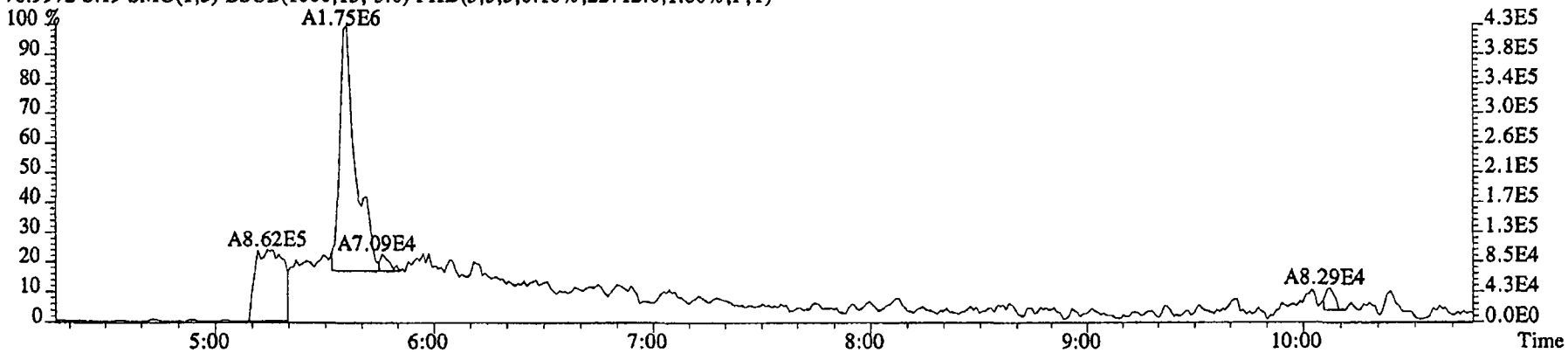
96.1026 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7104.0,1.00%,F,T)



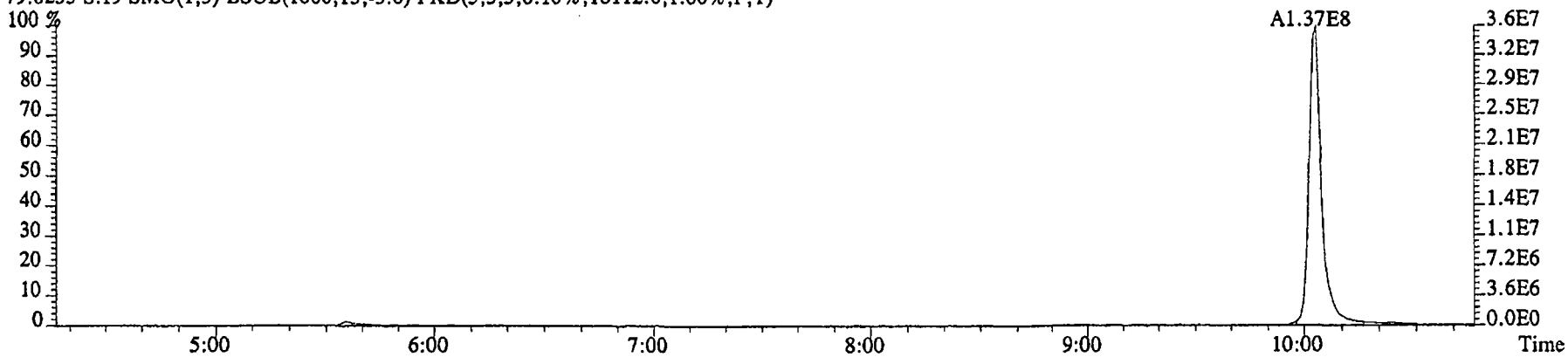
File:16DE045SP #1-480 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
75.0002 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,226120.0,1.00%,F,T)



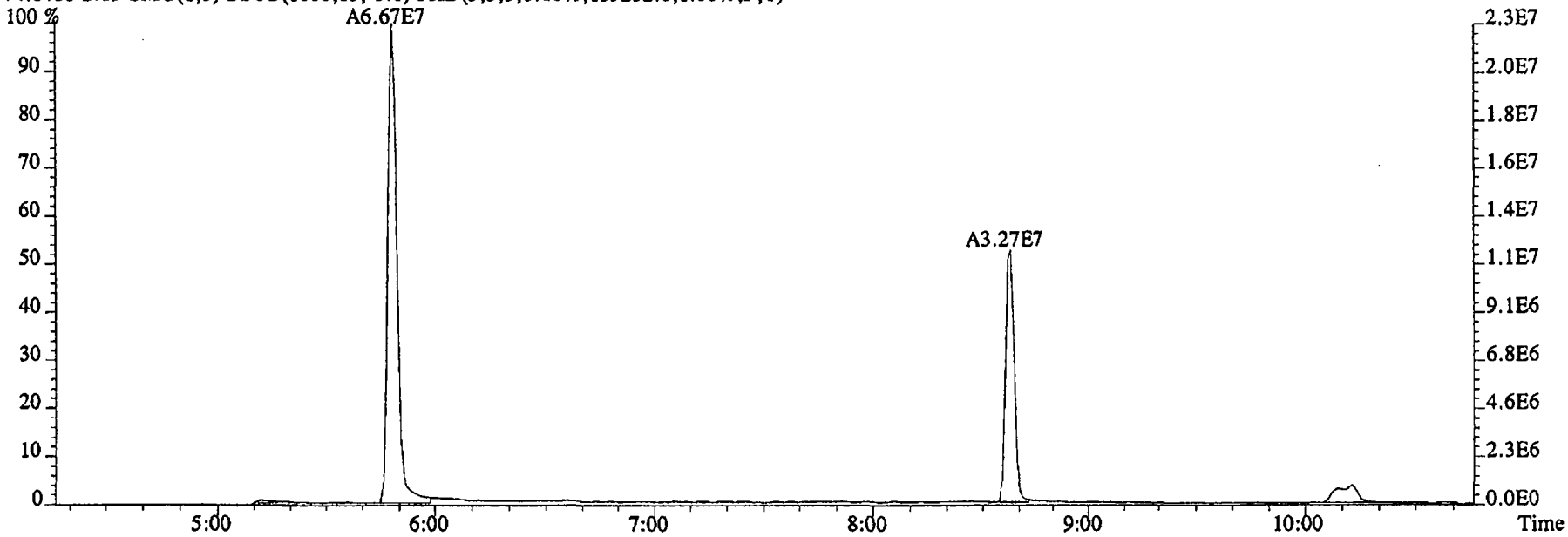
76.9972 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22712.0,1.00%,F,T)



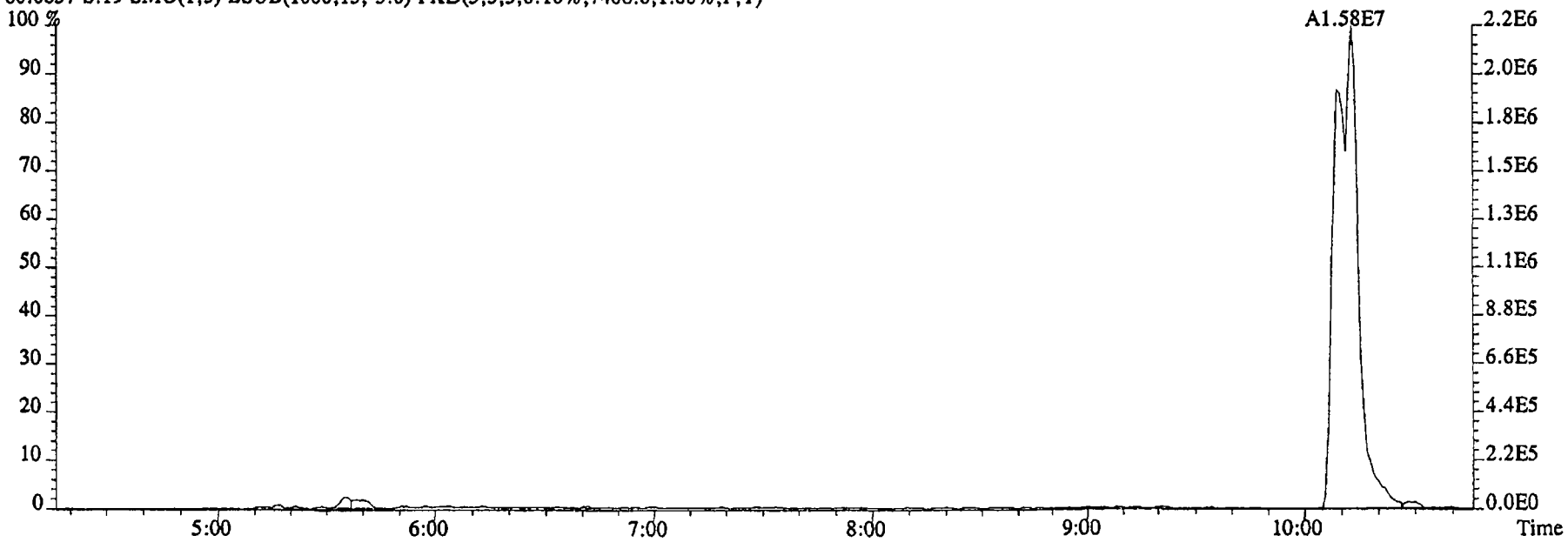
79.0253 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18112.0,1.00%,F,T)



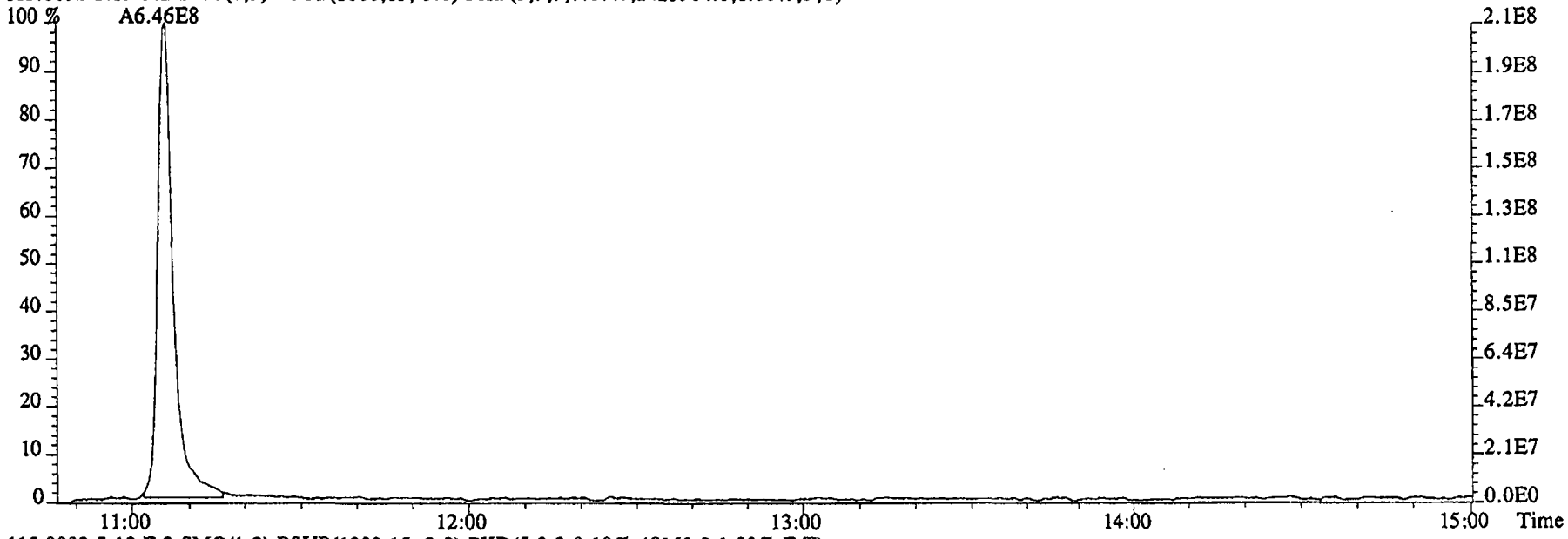
File:16DE045SP #1-480 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
74.0480 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,159232.0,1.00%,F,T)



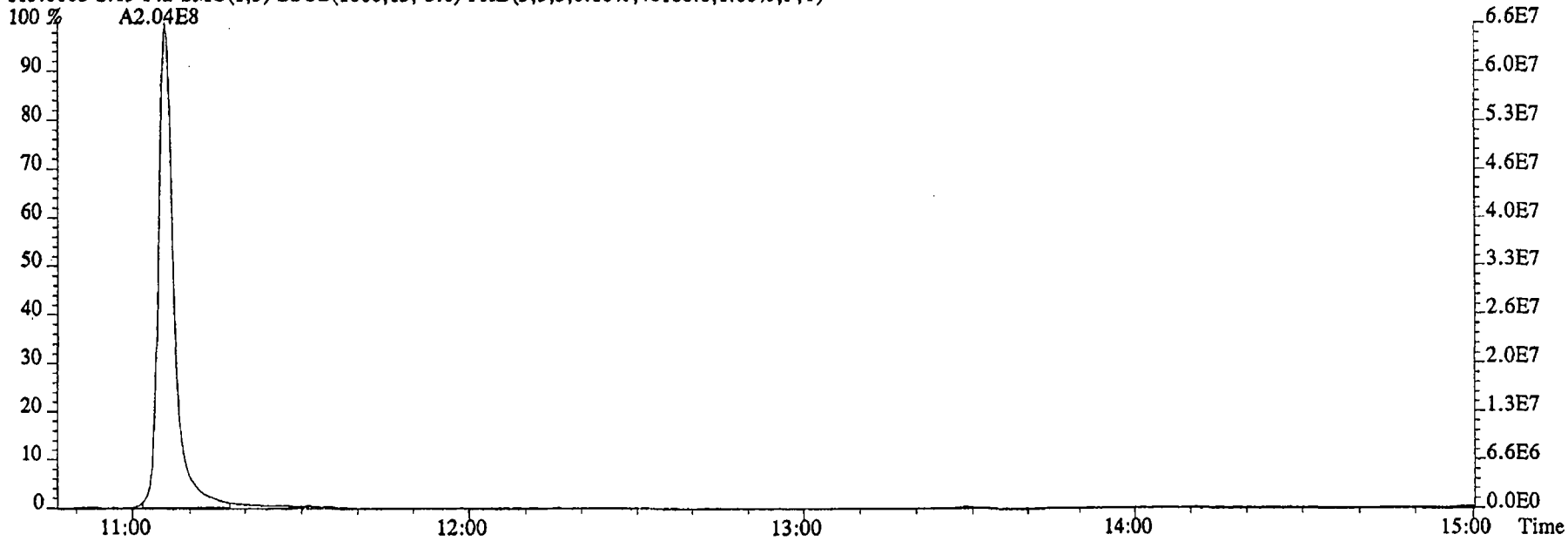
80.0857 S:19 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7408.0,1.00%,F,T)



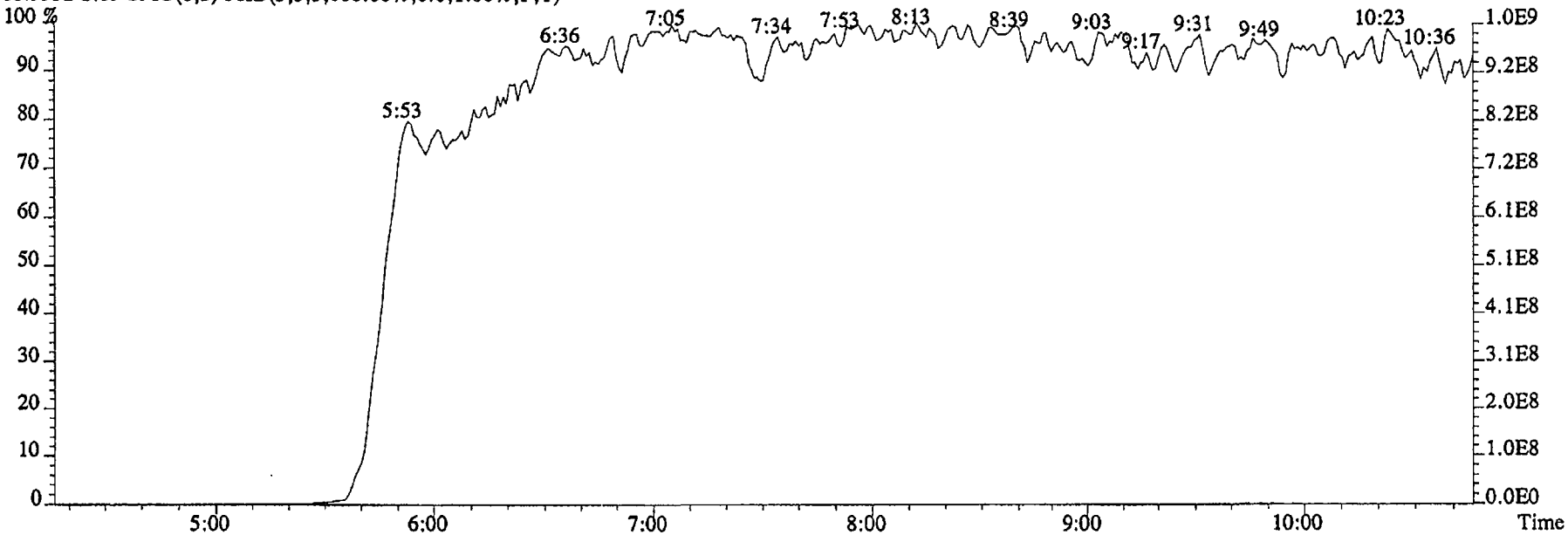
File:16DE045SP #1-591 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
113.0032 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2423964.0,1.00%,F,T)



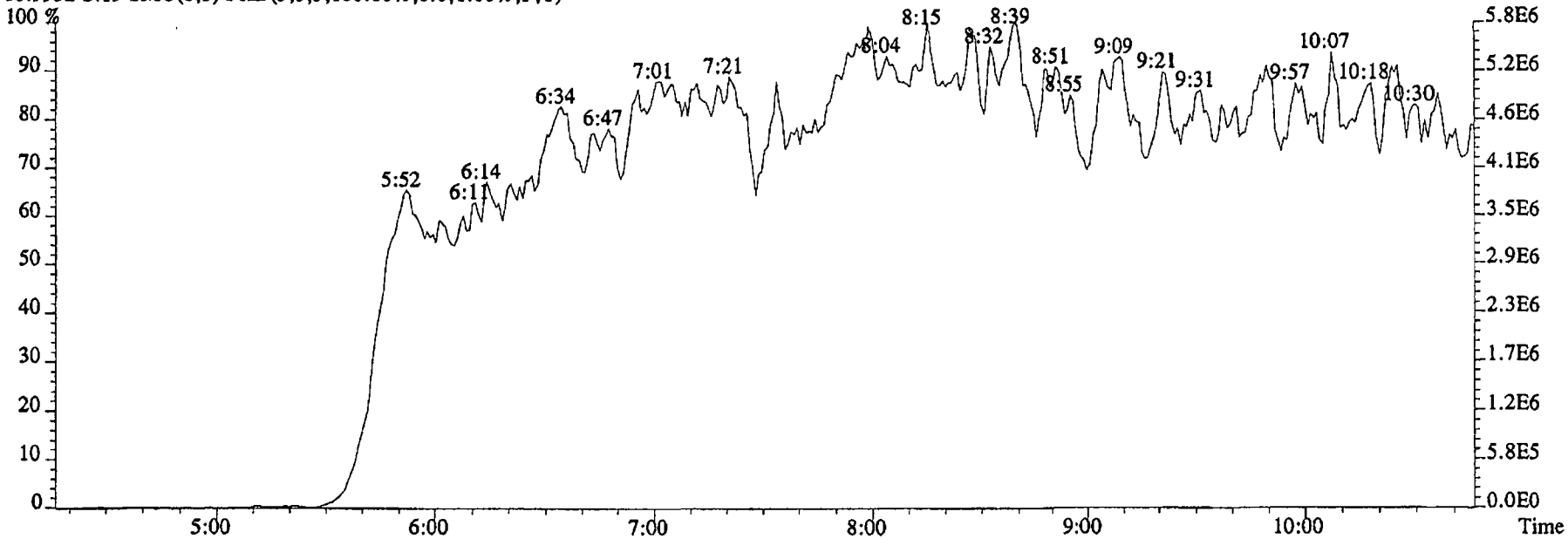
115.0003 S:19 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,48160.0,1.00%,F,T)



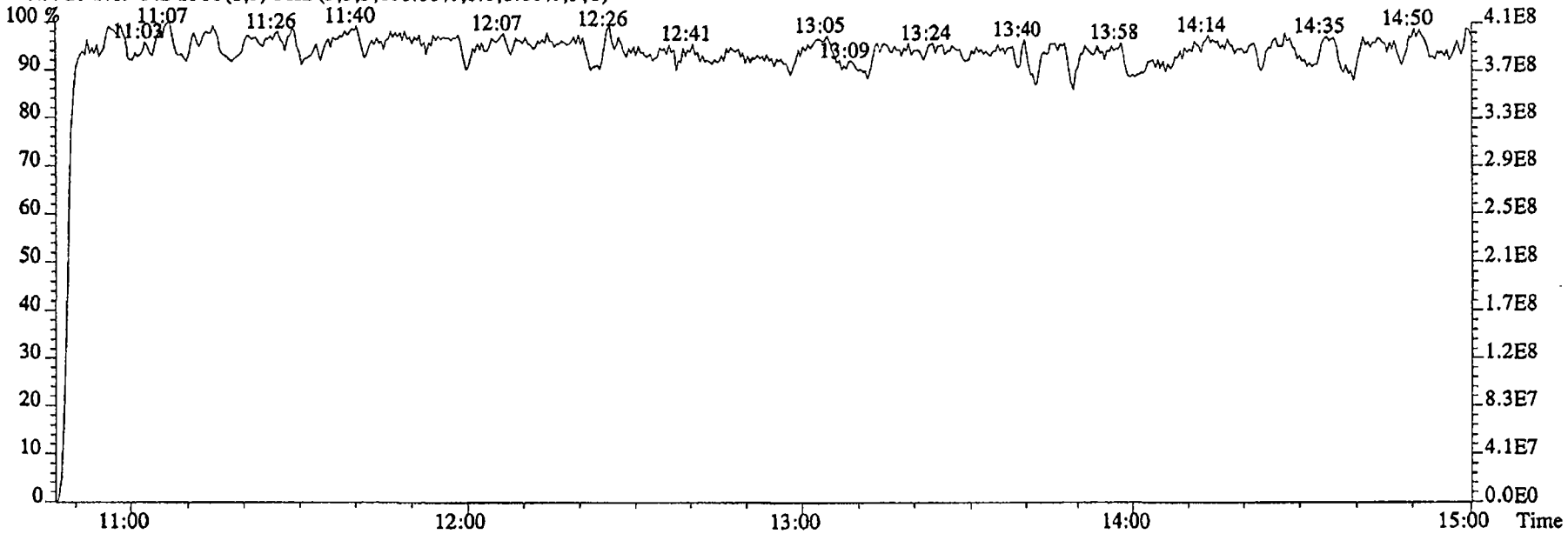
File:16DE045SP #1-480 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
68.9952 S:19 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



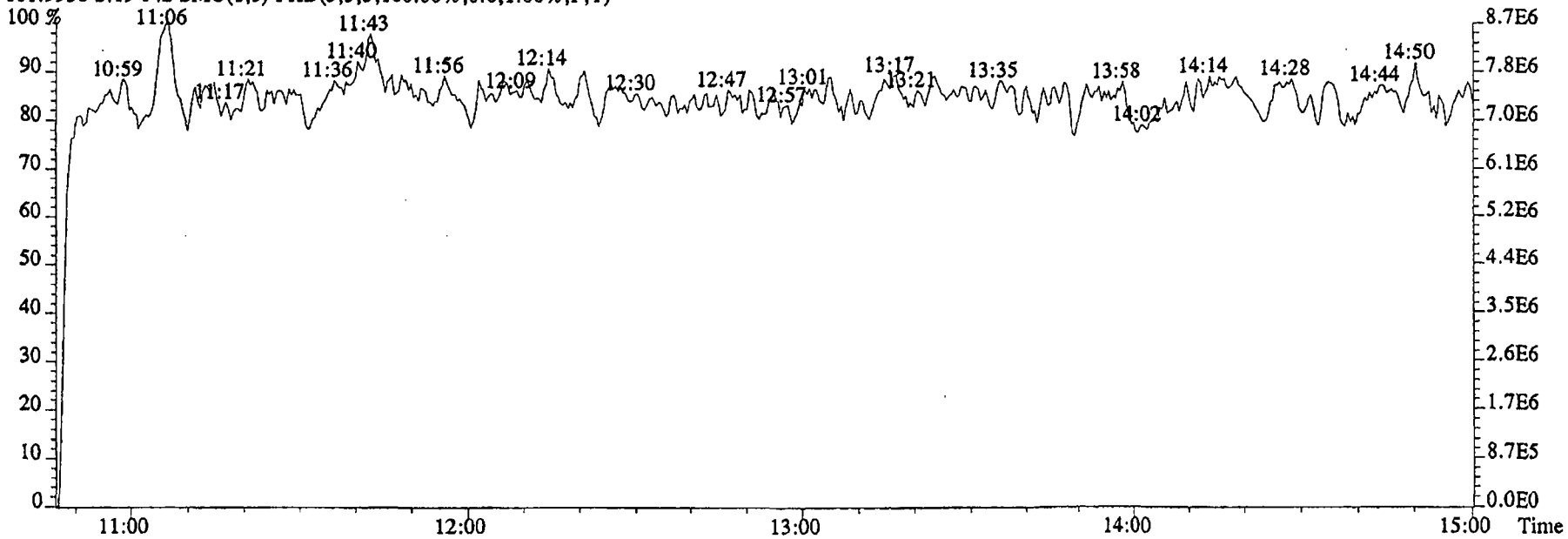
80.9952 S:19 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:17-DEC-2004 00:44:21 GC EI+ Voltage SIR 70SE
Sample#19 Text:G0K7E-1-AC :G4L080479-5 Exp:NDMAVOA
118.9920 S:19 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:19 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K7F-1-AC Sample text: G0K7F-1-AC :G4L080479-6
Run #18 Filename: 16DE045SP S: 20 I: 1 Results: KAS
Acquired: 17-DEC-04 01:04:38 Processed: 17-DEC-04 13:45:49
Run: KAS Analyte: 1625 Cal: 16251216045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.936 L

Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
2-Chloropyridine	130602000		11:03	-	284.62		-	-	n
D8-1,4-Dioxane	56434500		5:01	0.66	140.92		0.13	13.2	n
1,4-Dioxane	14698400		5:02	1.05	263.98		10.67	-	n
D5-123-TriChloroPropane	87543600		9:59	2.35	60.94		0.06	57.0	n
1,2,3-TriChloroPropane	*		NotFnd	0.48	*	<5.0	0.67	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	16084000		10:08	1.48	17.77		0.05	16.6	n
NDMA	5417810		10:08	1.37	~~26.20~~	NA	5.91	-	n
2-Chloropyridine	406845000		11:03	-	277.43		-	-	n

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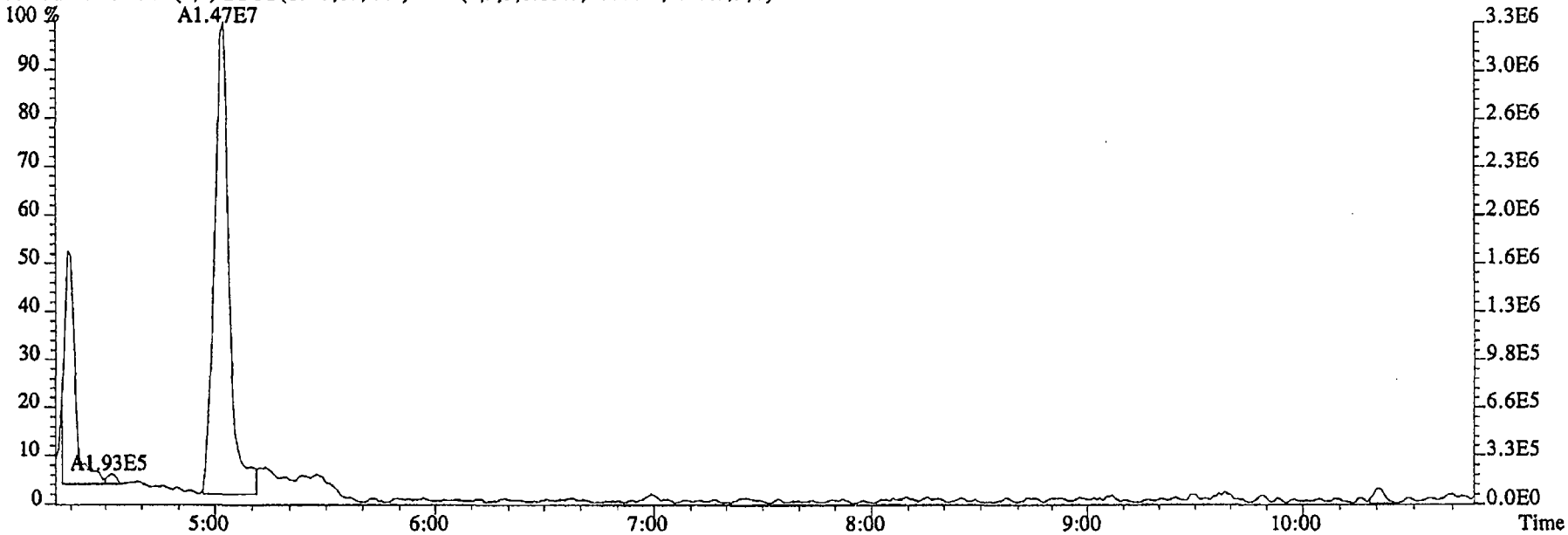
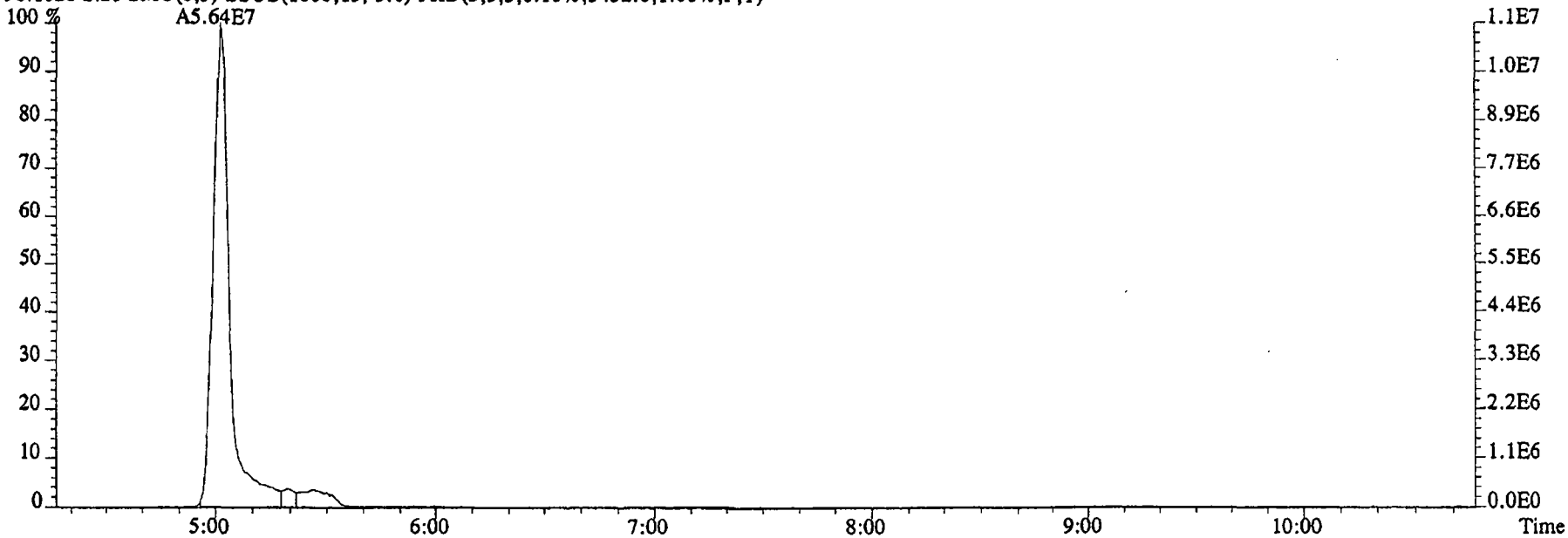
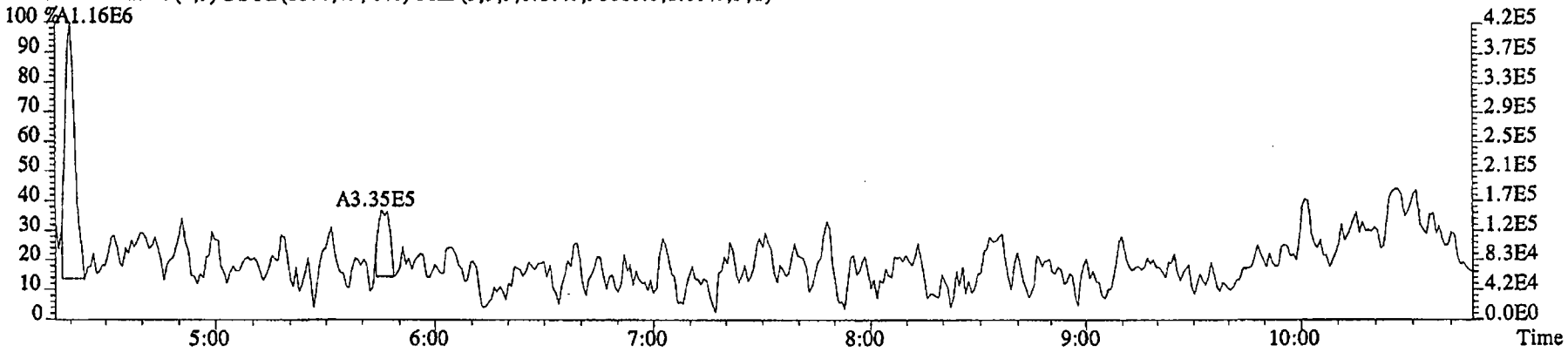
File:16DE045SP #1-481 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
88.0524 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38816.0,1.00%,F,T)



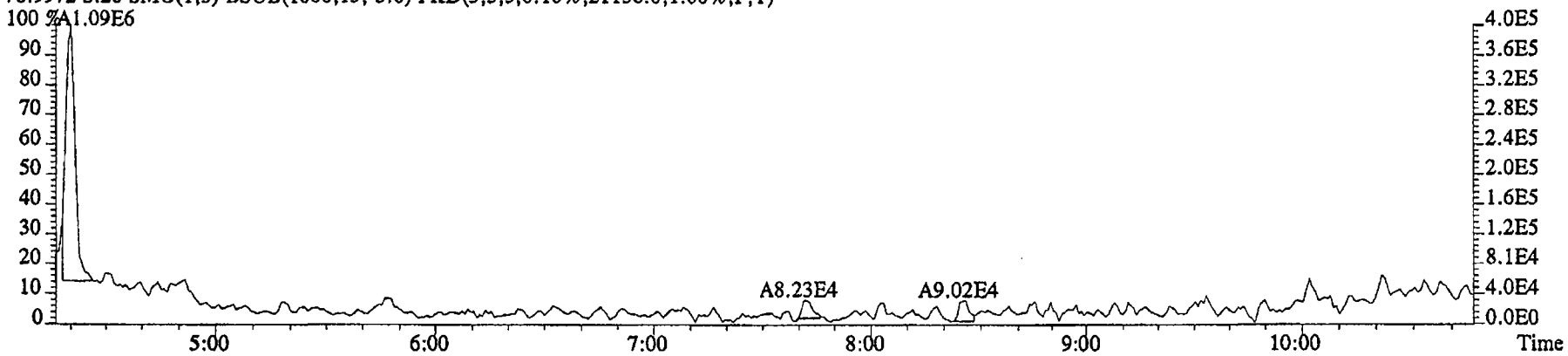
96.1026 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5452.0,1.00%,F,T)



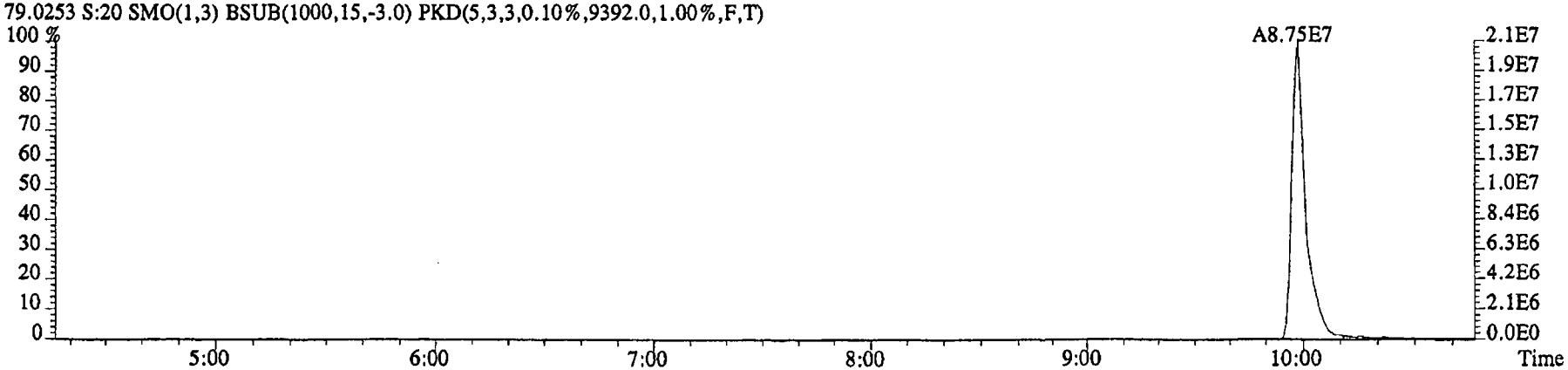
File:16DE045SP #1-481 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
75.0002 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,96060.0,1.00%,F,T)



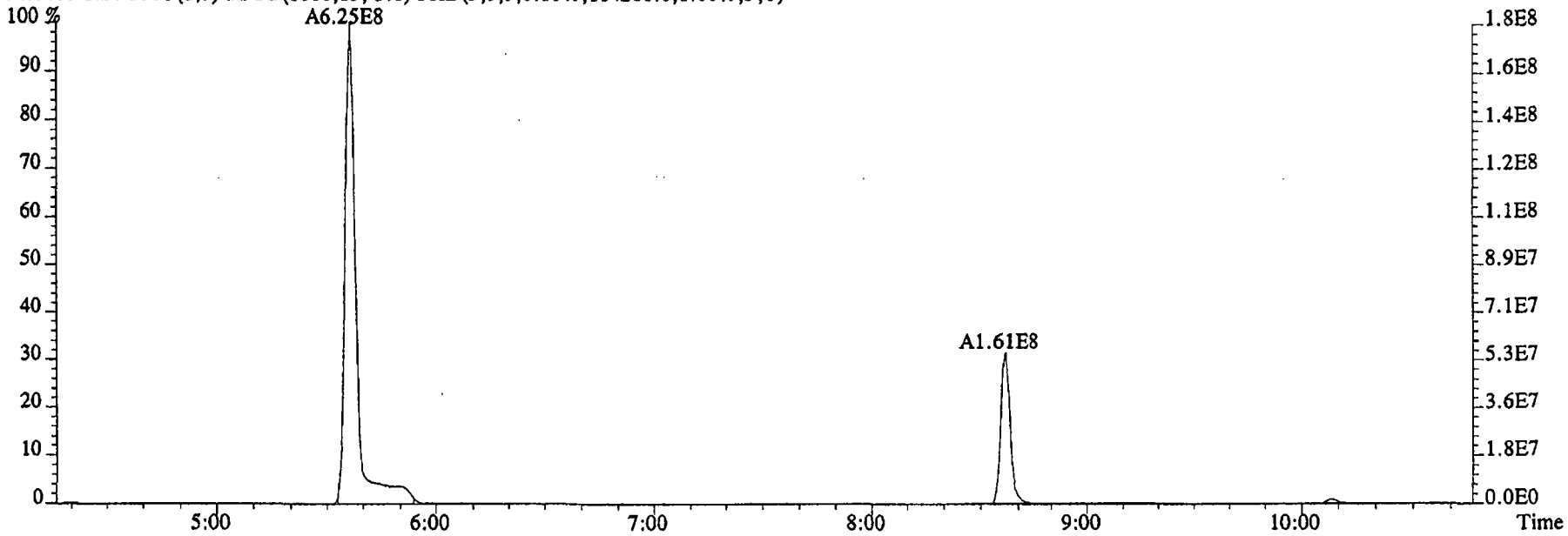
76.9972 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21136.0,1.00%,F,T)



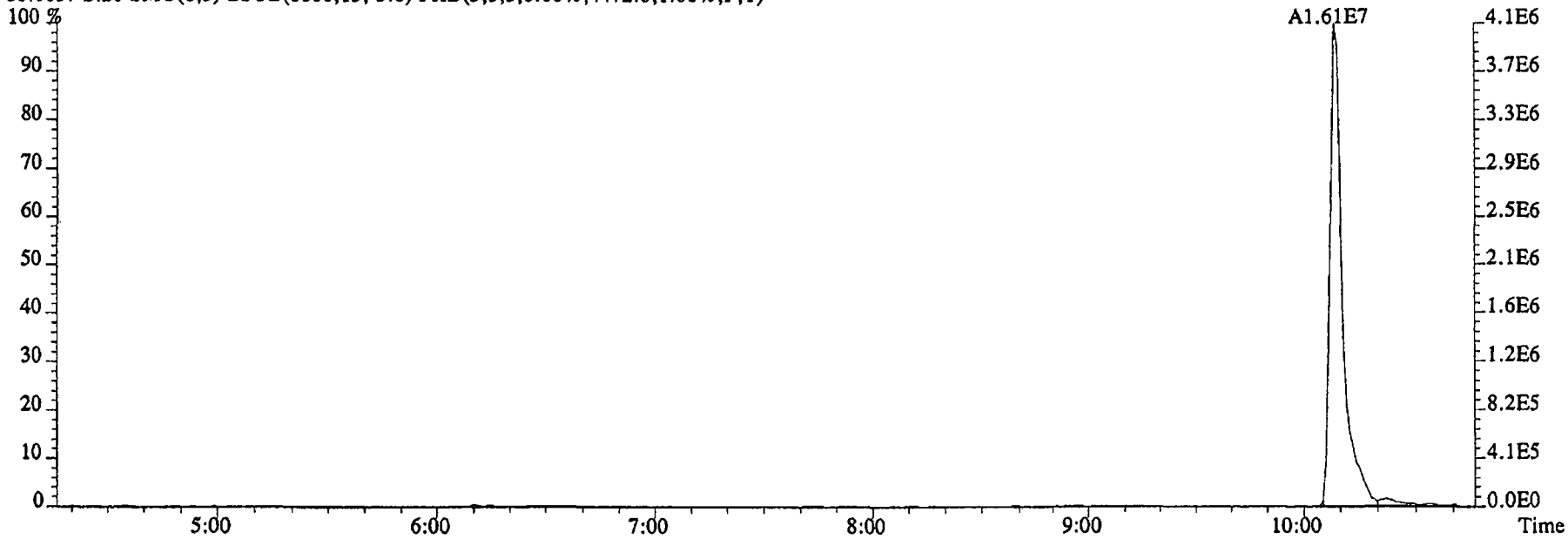
79.0253 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9392.0,1.00%,F,T)



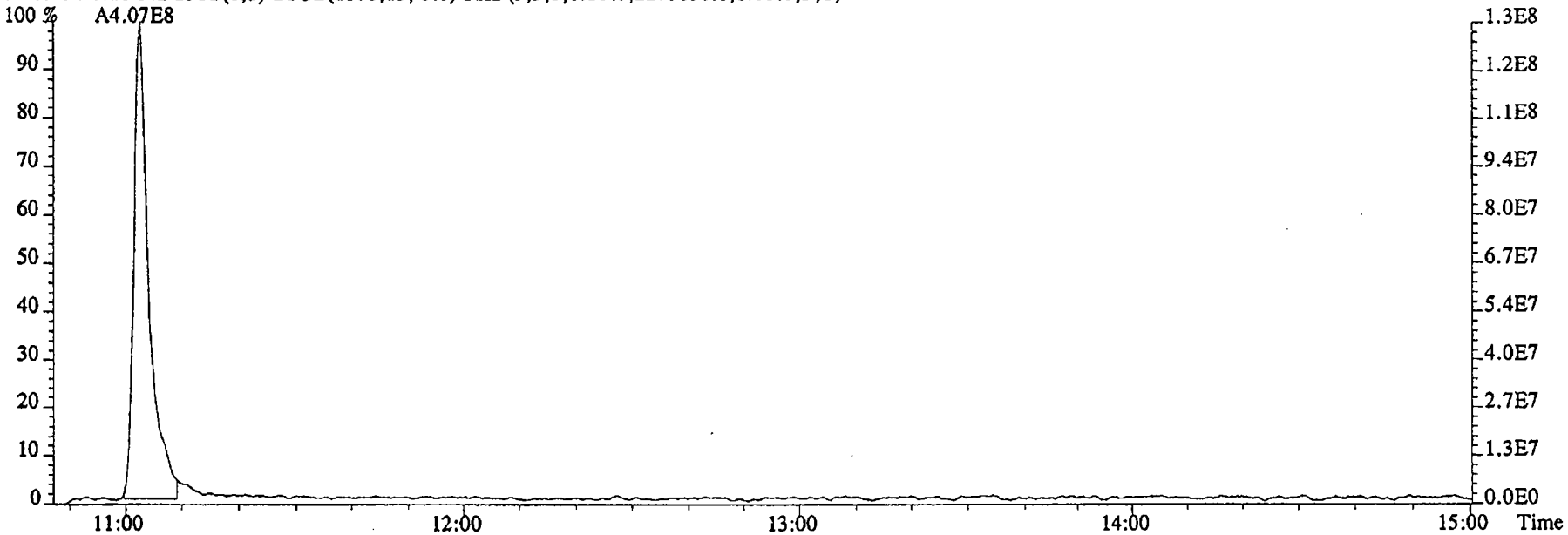
File:16DE045SP #1-481 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
74.0480 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,104260.0,1.00%,F,T)



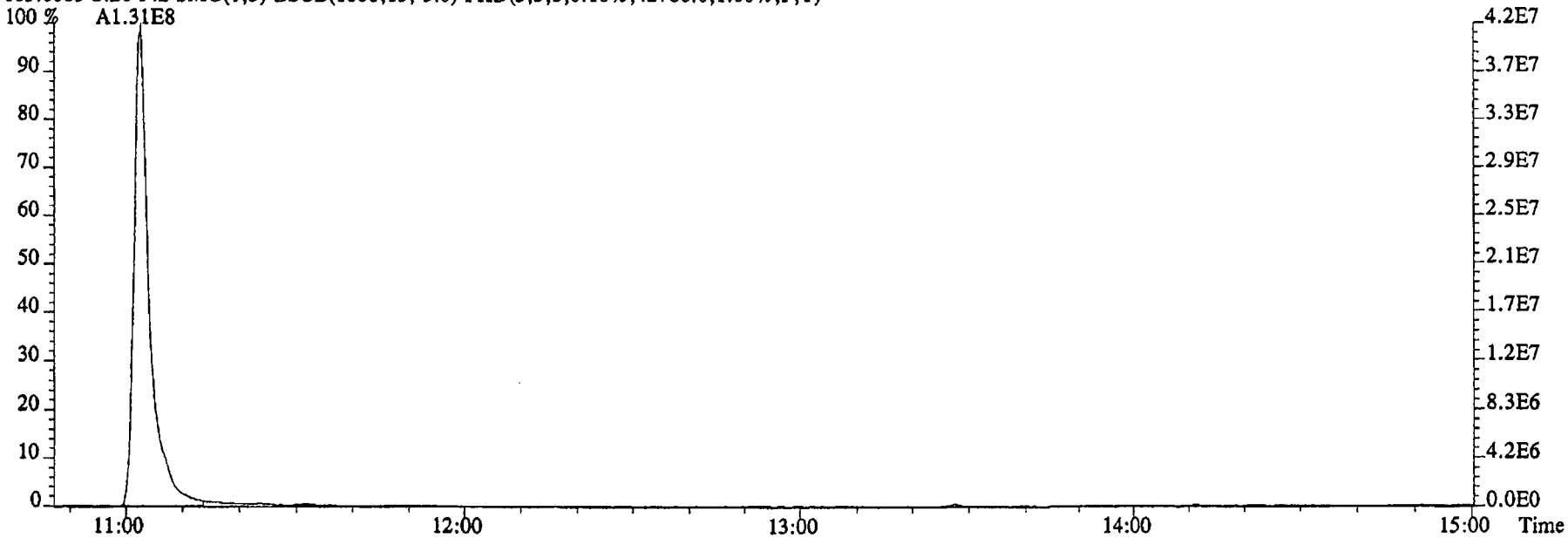
80.0857 S:20 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4472.0,1.00%,F,T)



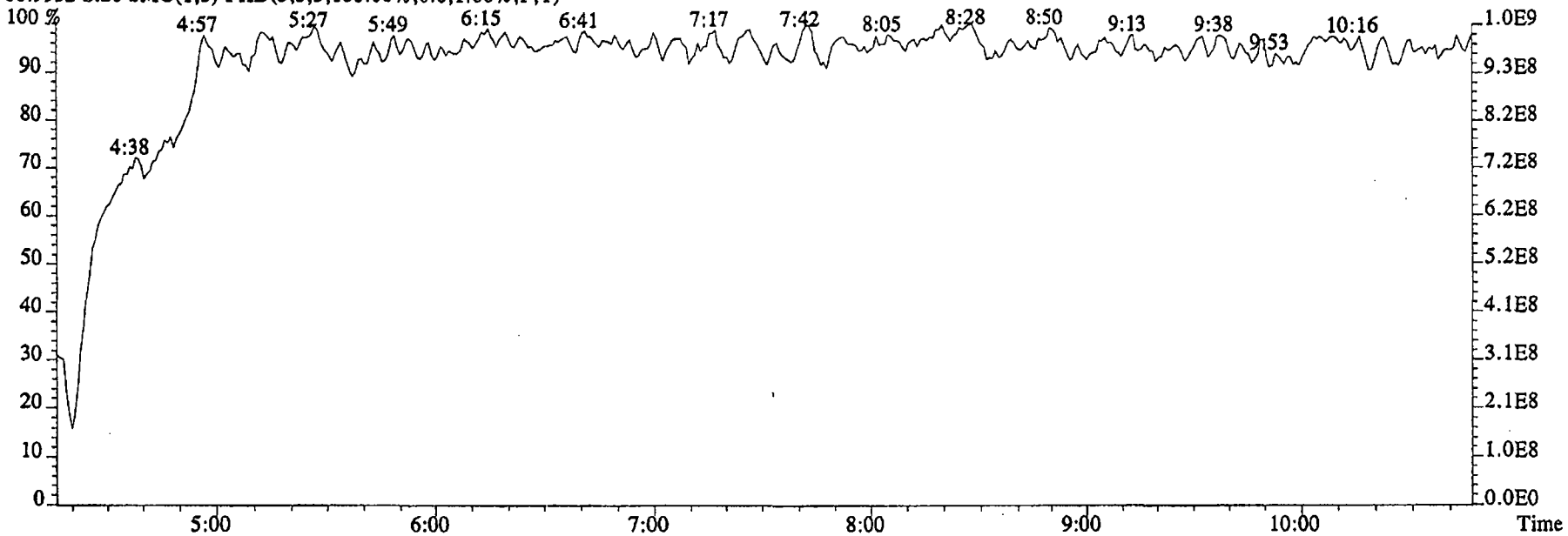
File:16DE045SP #1-590 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
113.0032 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2275056.0,1.00%,F,T)



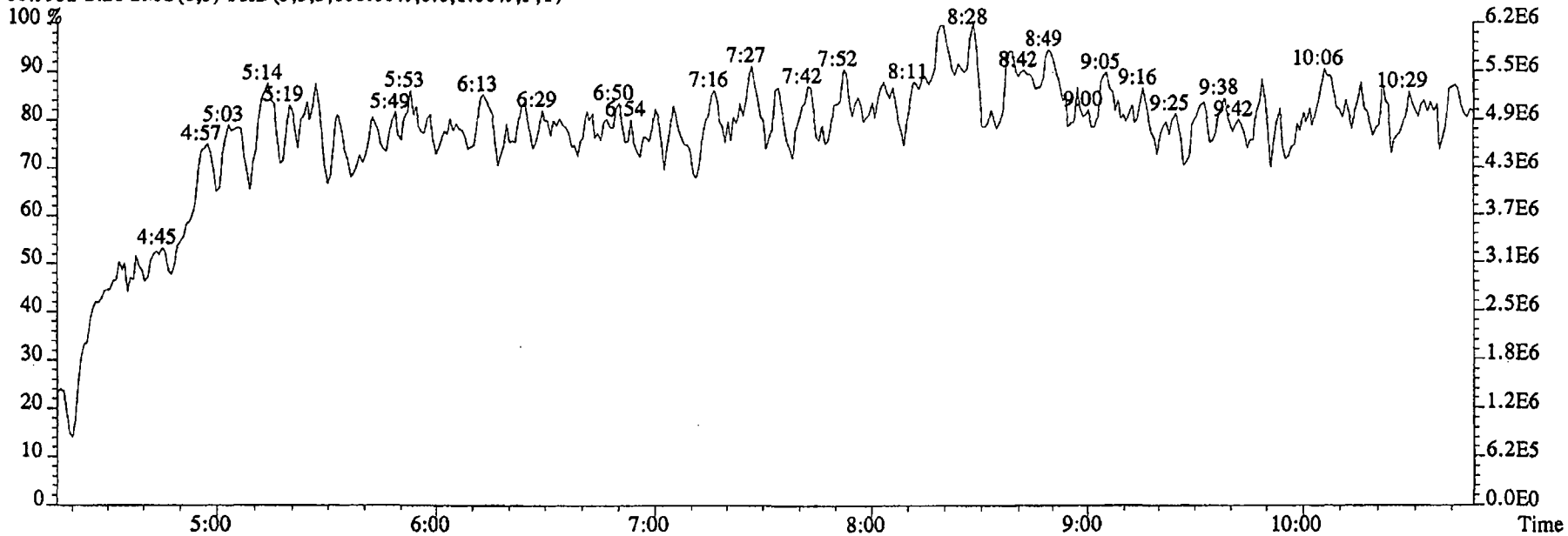
115.0003 S:20 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42788.0,1.00%,F,T)



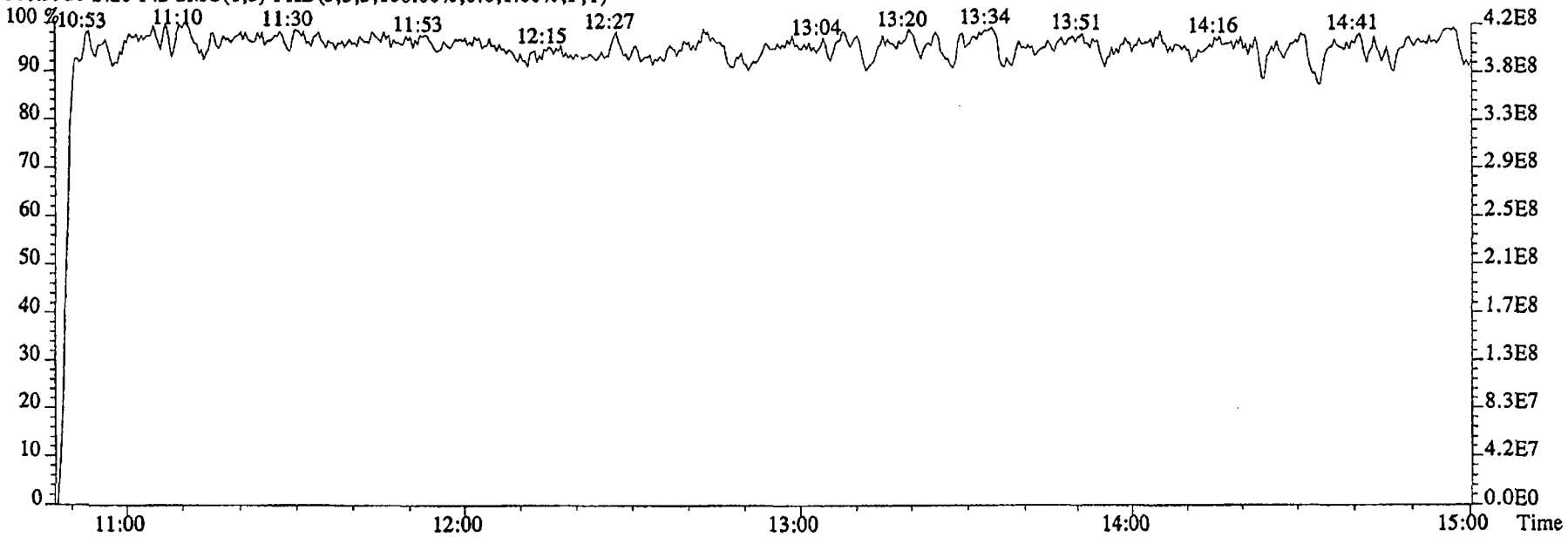
File:16DE045SP #1-481 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
68.9952 S:20 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



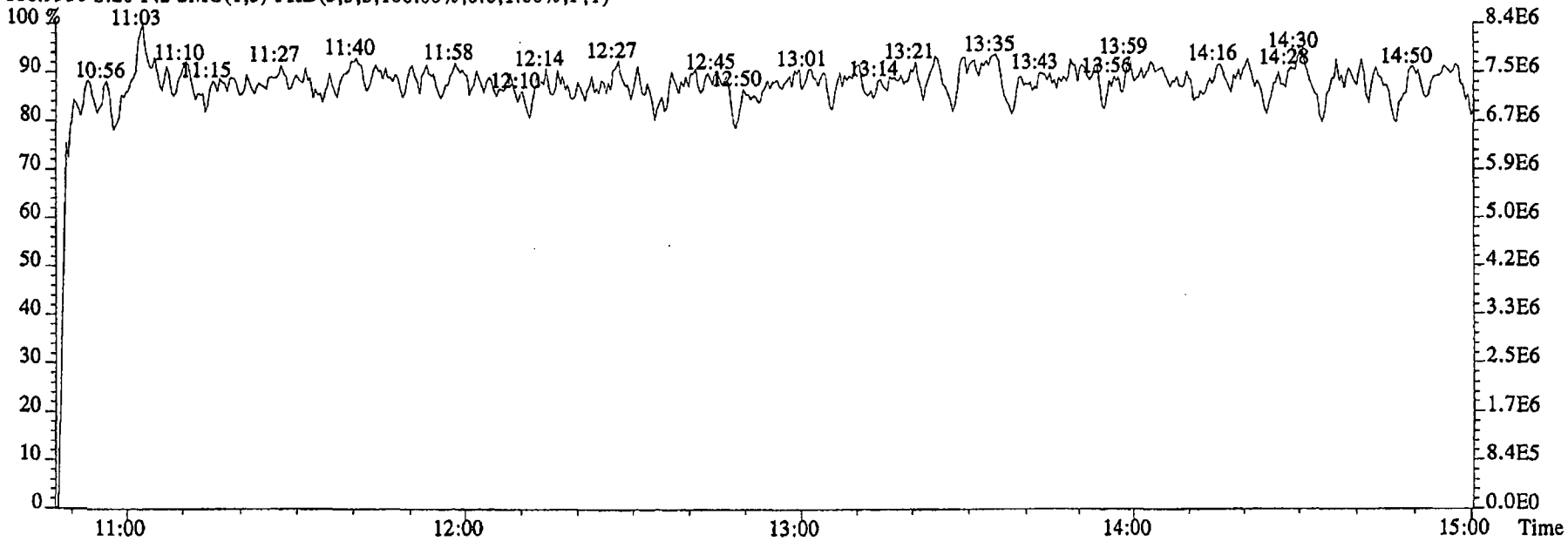
80.9952 S:20 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:17-DEC-2004 01:04:38 GC EI+ Voltage SIR 70SE
Sample#20 Text:G0K7F-1-AC :G4L080479-6 Exp:NDMAVOA
118.9920 S:20 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:20 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



SEVERN TRENT SERVICES

Daily Standard Checklist
High Resolution

Method ID 1625 **Associated ICAL** 16251216045SP

Column ID SP-2331 **Instrument ID** 5SP

STD ID ST1216E **STD Solution** 2350-68C

Analyzed By AM **Date Analyzed** 12/16/04

Prepared By KAS **Date Prepared** 12/17/04

Reviewed By Cpickell **Date Reviewed** 12-17-04

ANALYSIS OF CCAL	INITIATED	REVIEWED
Standard, CPSM, and Solvent Blank present?	✓ / NA ①	✓ / NA ①
Copy of log-file and Static Resolution present?	✓	✓
CPSM blow up present?	NA ①	NA ①
Curve Summary present?	✓	✓
Summary of Method criteria present?	NA	NA
Daily standard within method specified limits?*	✓	✓
Analyte retention times correct?	✓	✓
Isotopic ratios within limits?	NA	NA
CPSM valley ≤ method specified limits?**	NA ①	NA ①
Are chromatographic windows correct?	✓	✓
Samples analyzed within 12 hrs of daily standard?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA
Ending Standard and ending Static Resolutions present	NA	NA

COMMENTS: ① No CPSM in 1625 method

* Method 8290: (beginning) +/- 20% from curve RRFs for native analytes, +/- 30% from curve RRFs for labeled compounds.
Method 8290: (ending) +/- 25% from curve RRFs for native analytes, +/- 35% from curve RRFs for labeled compounds.
Method 8290 (GB): +/- 30% from curve RRFs for native analytes.
Method 23: See Method 23 Daily Standard Criteria, Table 5.
Method 1613A/1613B: See Method 1613A, Method 1613B or Method 1613B Tetras Daily Standard Criteria,
PAH: +/- 30% from curve RRFs for native and labeled compounds.
PCB: +/- 30% from curve RRFs for native and 50% for labeled compounds.
NCASI 551: +/-20% from curve RRFs for native and labeled compounds.
DBD/DBF: +/-30% from curve RRFs for native analytes; +/- 40% from curve RRFs for labeled compounds.

** Method 23 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and the closest eluters normalized at the smallest peak height of the three peaks (with the 2378 peak being the middle peak).
551/1613A/1613B/8290 CPSM Criteria: 25% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.
GB CPSM Criteria: 30% valley between 2378 TCDF (DB-225)/TCDD (DB-5) and its closest eluters normalized to the 2378 peak.

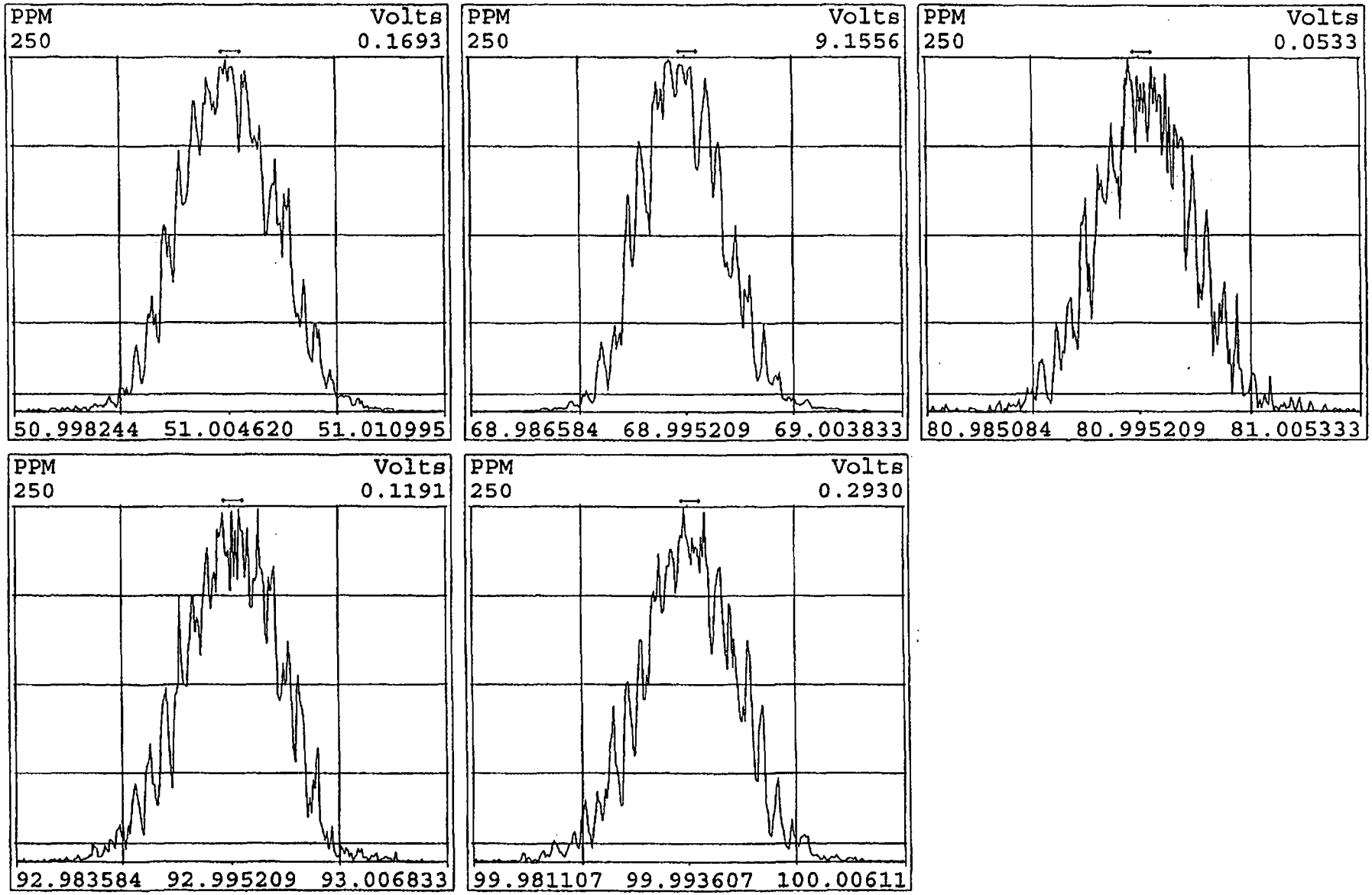
Run text: ST1216E
File text: ST1216E :CS3 2350-68C
Run #6 Filename 16DE045SP S: 7
I: 1
Acquired: 16-DEC-04 20:40:23
Processed: 16-DEC-04 21:01:52
Run: 16DE045SP Analyte: 1625
Cal: 16251216045SP
Results: 16DE045SP1625

Name	Resp	RA	RT	RRF	Amount	Dev'n	Mod?
2-Chloropyridine	59239100		11:03	-	200.00	-	n
D8-1,4-Dioxane	298257000		5:05	1.01	1000.00	53.6	n
1,4-Dioxane	15862700		5:06	1.06	50.00	0.9	n
D5-123-TriChloroPropane	82741800		9:59	2.79	100.00	18.8	n
1,2,3-TriChloroPropane	18095400		10:03	0.44	50.00	-9.2	n
1,2,3-TriChloroPropane	55225100		10:03	-	50.00	-	n
D6-NDMA	43186900		10:10	1.46	100.00	-1.6	n
NDMA	30583100		10:09	1.42	50.00	3.1	n
2-Chloropyridine	188586000		11:03	-	200.00	-	n

Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16DE045SP	1	ST1216	CS1 2350-68A				1.000	
16DE045SP	2	ST1216A	CS2 2350-68B				1.000	
16DE045SP	3	ST1216B	CS3 2350-68C				1.000	
16DE045SP	4	ST1216C	CS4 2350-68D				1.000	
16DE045SP	5	ST1216D	CS5 2350-68E				1.000	
16DE045SP	6	SB1216	Solvent Blank DCM				1.000	
16DE045SP	7	ST1216E	CS3 2350-68C				1.000	
16DE045SP	8	SB1216A	Solvent Blank DCM				1.000	
16DE045SP	9	GX4KD-1-AA	G4L040149-2	500	1625/WATER	VS54	1.052	L
16DE045SP	10	GX4KE-1-AA	G4L020149-3	500	1625/WATER		0.977	L
16DE045SP	11	GX4KF-1-AA	G4L020149-4	500	1625/WATER		0.982	L
16DE045SP	12	GX4KG-1-AA	G4L020149-5	500	1625/WATER		1.006	L
16DE045SP	13	G0XDP-1-AA	G4L080479-MB	500	1625/WATER		1.000	L
16DE045SP	14	G0XDP-1-AC	G4L080479-LCS	500	1625/WATER		1.000	L
16DE045SP	15	G0K68-1-AC	G4L080479-1	500	1625/WATER		0.943	L
16DE045SP	16	G0K69-1-AC	G4L080479-2	500	1625/WATER		0.974	L
16DE045SP	17	G0K7A-1-AC	G4L080479-3	500	1625/WATER		0.968	L
16DE045SP	18	G0K7D-1-AC	G4L080479-4	500	1625/WATER		0.928	L
16DE045SP	19	G0K7E-1-AC	G4L080479-5	500	1625/WATER		0.928	L
16DE045SP	20	G0K7F-1-AC	G4L080479-6	500	1625/WATER		0.936	L
16DE045SP	21	G0HM6-1-AE	E4L080175-4	500	1625/WATER		0.965	L
16DE045SP	22	G0HM7-1-AE	E4L080175-5	500	1625/WATER		0.995	L
DE045SP	23	G0PC2-1-AC	G4L090480-1	500	1625/WATER		0.966	L
16DE045SP	24	G0PC4-1-AC	G4L090480-2	500	1625/WATER		0.986	L
16DE045SP	25	G0PC5-1-AC	G4L090480-3	500	1625/WATER		0.961	L
16DE045SP	26	G0MLW-1-AA	G4L090264-1	500	1625/WATER		0.966	L
16DE045SP	27	G0PDJ-1-AA	G4L090484-1	500	1625/WATER		0.962	L
16DE045SP	28	SB1216B	Solvent Blank DCM				1.000	
16DE045SP	29	ST1216F	CS3 2350-68C				1.000	
16DE045SP	30	SB1216C	Solvent Blank DCM				1.000	
16DE045SP	31	G05QJ-1-AAB	E4L090217-1MB	500	1625/WATER	VS55	1.000	L
16DE045SP	32	G05QJ-1-ACC	E4L090217-1LCS	500	1625/WATER		1.000	L
16DE045SP	33	G05QJ-1-ADL	E4L090217-1DCS	500	1625/WATER		1.000	L
16DE045SP	34	G0L86-1-AA	E4L090217-1	500	1625/WATER		0.979	L
16DE045SP	35	G0L9A-1-AA	E4L090217-2	500	1625/WATER		0.980	L
16DE045SP	36	G0L9J-1-AE	E4L090217-4	500	1625/WATER		0.974	L
16DE045SP	37	G0L93-1-AE	E4L090217-5	500	1625/WATER		0.972	L
16DE045SP	38	G0L95-1-AE	E4L090217-6	500	1625/WATER		0.984	L
16DE045SP	39	G0L99-1-AE	E4L090217-8	500	1625/WATER		0.987	L
16DE045SP	40	G0MAA-1-AE	E4L090217-9	500	1625/WATER		0.973	L
16DE045SP	41	G0MAF-1-AE	E4L090217-10	500	1625/WATER		0.988	L
16DE045SP	42	G0XAD-1-AC	G4L130173-26	500	1625/WATER		0.988	L
16DE045SP	43	G0XAG-1-AC	G4L130173-27	500	1625/WATER		0.987	L
16DE045SP	44	G0R1N-1-AC	G4L100385-1	500	1625/WATER		0.947	L
16DE045SP	45	G0R1W-1-AC	G4L100385-2	500	1625/WATER		0.990	L
16DE045SP	46	G0R10-1-AC	G4L100385-3	500	1625/WATER		0.986	L
16DE045SP	47	G0R12-1-AC	G4L100385-4	500	1625/WATER		0.953	L
DE045SP	48	G0R14-1-AA	G4L100385-5	500	1625/WATER		0.972	L
DE045SP	49	SB1216D	Solvent Blank DCM				1.000	
16DE045SP	50	SB1216E	Solvent Blank DCM				1.000	
16DE045SP	51	ST1216G	CS3 2350-68C				1.000	
16DE045SP	52	SB1216F	Solvent Blank DCM				1.000	
16DE045SP	53	G04X9-1-AAB	G4L130173-1MB	500	1625/SOLID	VS55	10.000	g

16DE045SP	54	G04X9-1-ACC	G4L130173-1LCS	500	1625/SOLID	10.000 g
16DE045SP	55	G0W7T-1-AC	G4L130173-1	500	1625/SOLID	10.000 g
16DE045SP	56	G0W7X-1-AC	G4L130173-2	500	1625/SOLID	10.000 g
16DE045SP	57	G0W70-1-AC	G4L130173-3	500	1625/SOLID	10.000 g
16DE045SP	58	G0W74-1-AC	G4L130173-4	500	1625/SOLID	10.000 g
16DE045SP	59	G0W77-1-AC	G4L130173-5	500	1625/SOLID	10.000 g
16DE045SP	60	G0W77-1-AFS	G4L130173-5MS	500	1625/SOLID	10.000 g
16DE045SP	61	G0W77-1-AGD	G4L130173-5SD	500	1625/SOLID	10.000 g
16DE045SP	62	G0W79-1-AD	G4L130173-6	500	1625/SOLID	10.000 g
16DE045SP	63	G0W8D-1-AD	G4L130173-7	500	1625/SOLID	10.000 g
16DE045SP	64	G0W8F-1-AD	G4L130173-8	500	1625/SOLID	10.000 g
16DE045SP	65	G0W8J-1-AD	G4L130173-9	500	1625/SOLID	10.000 g
16DE045SP	66	G0W8K-1-AD	G4L130173-10	500	1625/SOLID	10.000 g
16DE045SP	67	G0W8N-1-AD	G4L130173-11	500	1625/SOLID	10.000 g
16DE045SP	68	G0W8R-1-AD	G4L130173-12	500	1625/SOLID	10.000 g
16DE045SP	69	G0W8W-1-AD	G4L130173-13	500	1625/SOLID	10.000 g
16DE045SP	70	G0W82-1-AD	G4L130173-14	500	1625/SOLID	10.000 g
16DE045SP	71	G0W84-1-AD	G4L130173-15	500	1625/SOLID	10.000 g
16DE045SP	72		G4L130173-16	500	1625/SOLID	10.000 g
16DE045SP	73	G0W9D-1-AD	G4L130173-17	500	1625/SOLID	10.000 g
16DE045SP	74	G0W9G-1-AD	G4L130173-18	500	1625/SOLID	10.000 g
16DE045SP	75	G0W9H-1-AD	G4L130173-19	500	1625/SOLID	10.000 g
16DE045SP	76	G0407-1-ACC	G4L130173-20LCS	500	1625/SOLID	10.000 g
16DE045SP	77	G0407-1-AAB	G4L130173-20MB	500	1625/SOLID	10.000 g
16DE045SP	78	G0W9N-1-AD	G4L130173-20	500	1625/SOLID	10.000 g
16DE045SP	79	G0W9N-1-AJS	G4L130173-20MS	500	1625/SOLID	10.000 g
16DE045SP	80	G0W9N-1-AKD	G4L130173-20SD	500	1625/SOLID	10.000 g
16DE045SP	81	G0W9Q-1-AD	G4L130173-21	500	1625/SOLID	10.000 g
16DE045SP	82	G0W9W-1-AD	G4L130173-22	500	1625/SOLID	10.000 g
16DE045SP	83	G0W93-1-AD	G4L130173-23	500	1625/SOLID	10.000 g
16DE045SP	84	G0W95-1-AD	G4L130173-24	500	1625/SOLID	10.000 g
16DE045SP	85	G0W98-1-CD	G4L130173-25	500	1625/SOLID	10.000 g
16DE045SP	86	SB1216G	Solvent Blank DCM			1.000
16DE045SP	87	SB1216H	Solvent Blank DCM			1.000
16DE045SP	88	ST1216H	CS3 2350-68C			1.000
16DE045SP	89					1.000
16DE045SP	90					1.000
16DE045SP	91					1.000
16DE045SP	92		AM 12-16-04			1.000

Peak Locate Examination:16-DEC-2004:18:36 File:16DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK

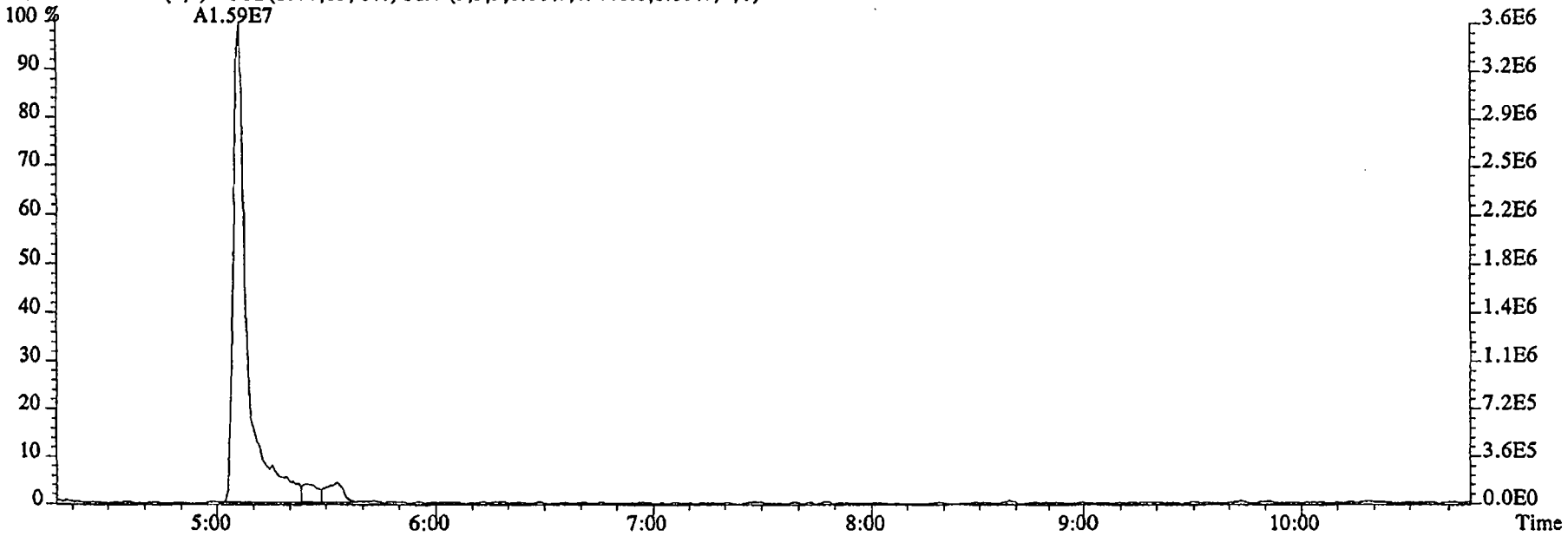


Run: 16DE045SPIC7 Analyte: 1625 Cal: 16251216045SP

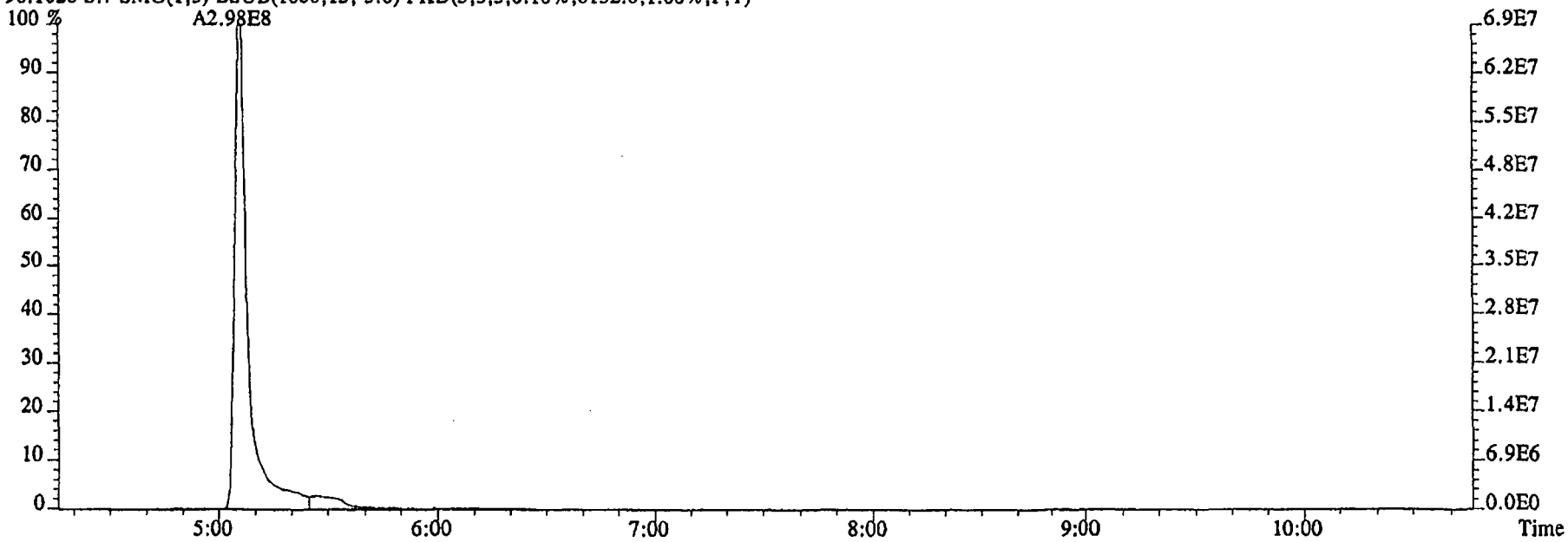
ST1216 :CS1 2350-68A ST1216A :CS2 2350-68B ST1216B :CS3 2350-68C
ST1216C :CS4 2350-68D ST1216D :CS5 2350-68E

Name	Mean	S. D.	%RSD	16DE045SP S1 RRF1	16DE045SP S2 RRF2	16DE045SP S3 RRF3	16DE045SP S4 RRF4	16DE045SP S5 RRF5
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	0.655	0.110	16.8 %	0.59	0.60	0.76	0.79	0.54
1,4-Dioxane	1.054	0.135	12.8 %	1.07	0.90	0.96	1.09	1.25
D5-123-TriChloroPropane	2.351	0.108	4.60 %	2.53	2.35	2.28	2.25	2.35
1,2,3-TriChloroPropane	0.482	0.031	6.41 %	0.46	0.45	0.47	0.52	0.51
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.481	0.073	4.91 %	1.50	1.43	1.38	1.52	1.57
NDMA	1.374	0.065	4.74 %	1.29	1.32	1.39	1.44	1.42
2-Chloropyridine	-	-	- %	-	-	-	-	-

File:16DE045SP #1-481 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA
88.0524 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13068.0,1.00%,F,T)

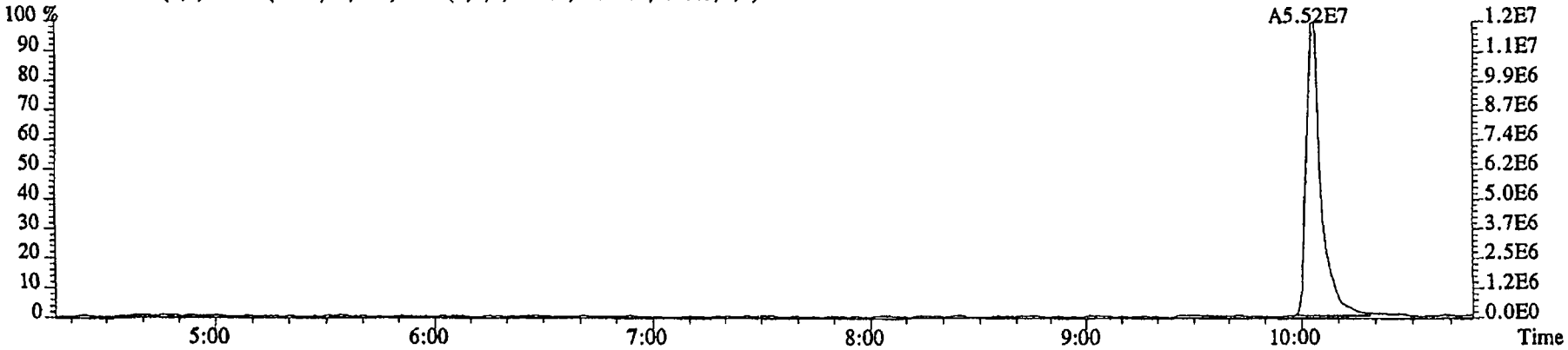


96.1026 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6132.0,1.00%,F,T)

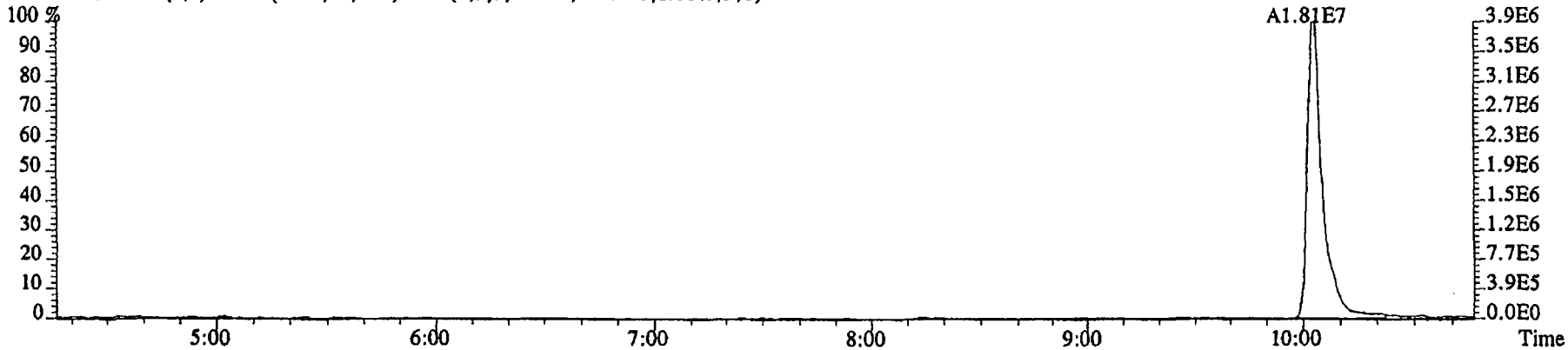


File:16DE045SP #1-481 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA

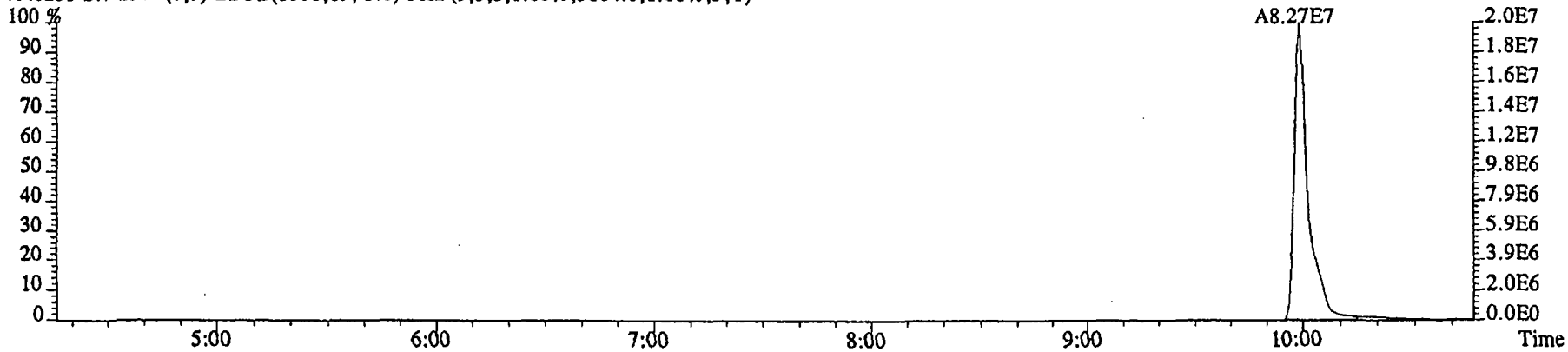
75.0002 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76700.0,1.00%,F,T)



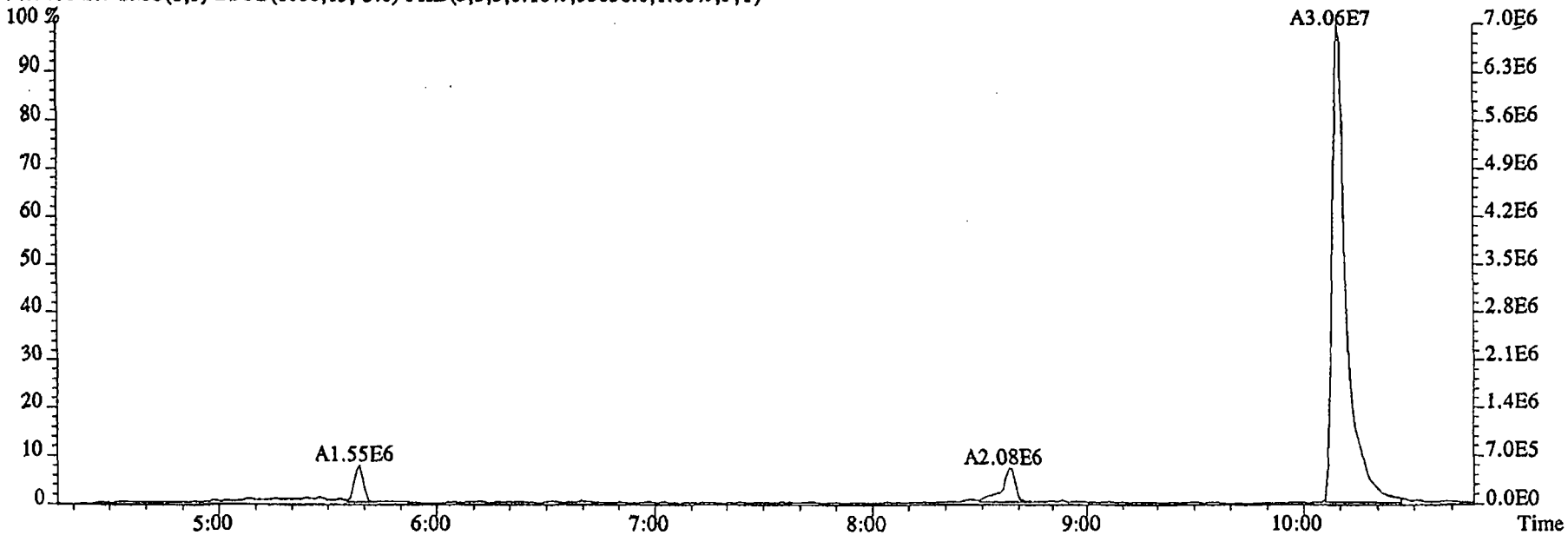
76.9972 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11032.0,1.00%,F,T)



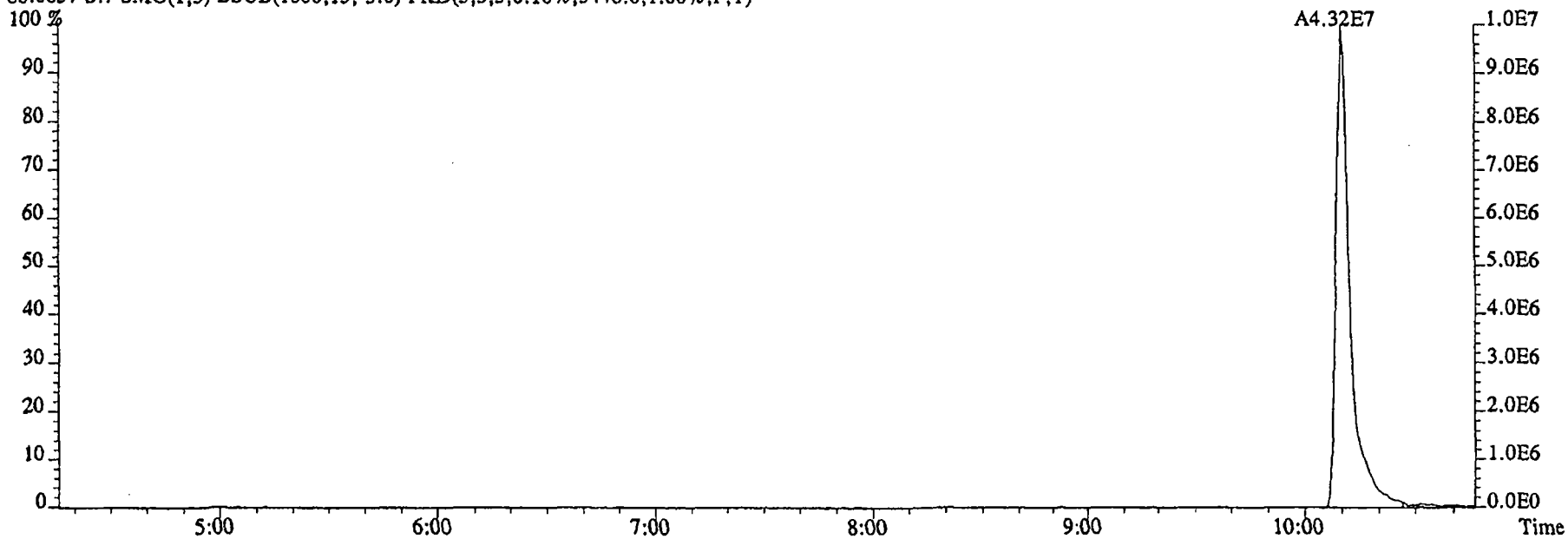
79.0253 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5804.0,1.00%,F,T)



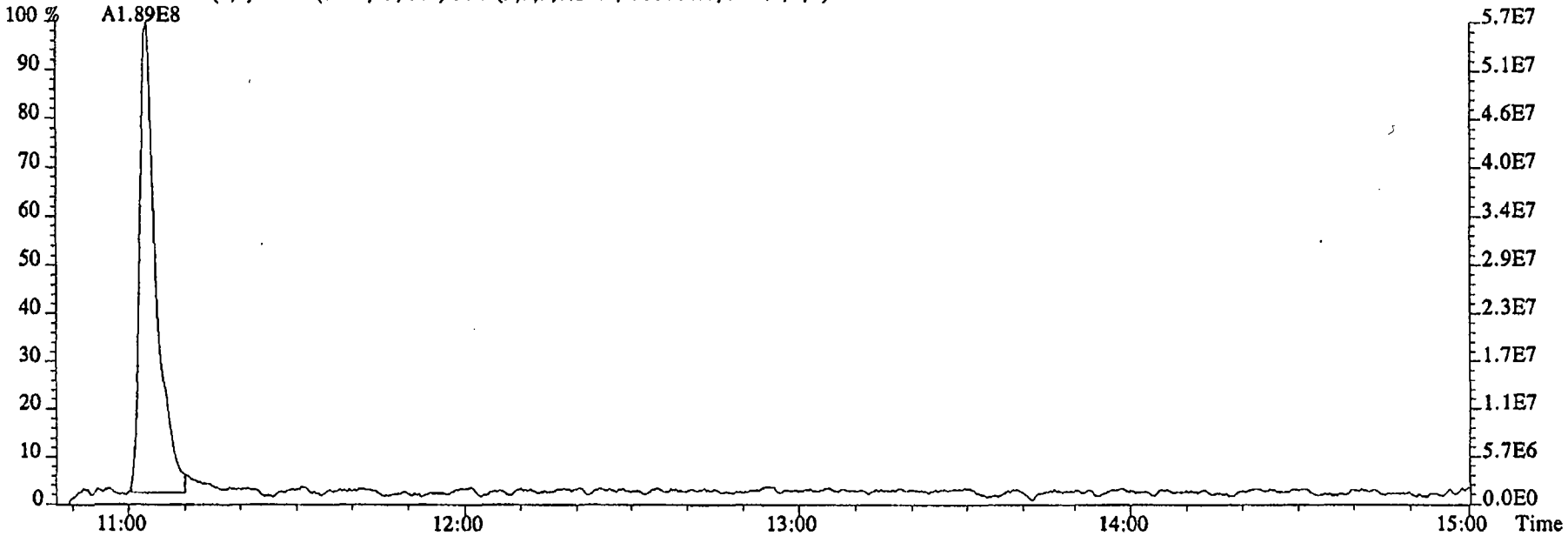
File:16DE045SP #1-481 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA
74.0480 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33836.0,1.00%,F,T)



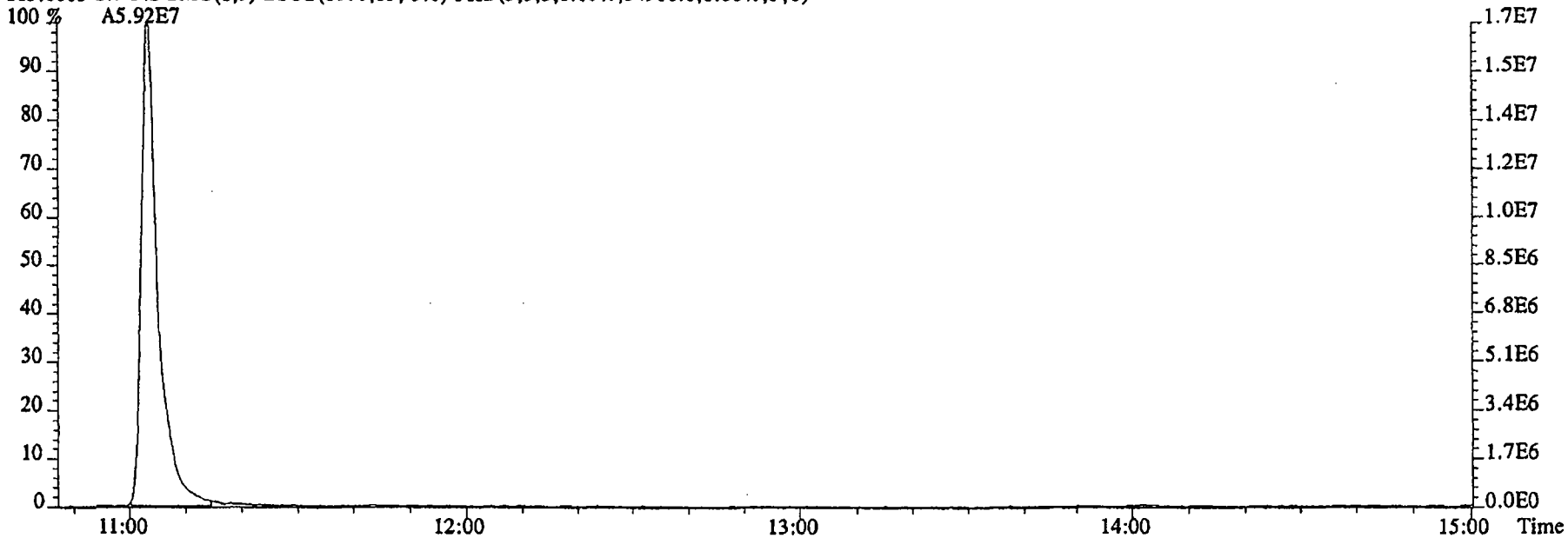
80.0857 S:7 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3448.0,1.00%,F,T)



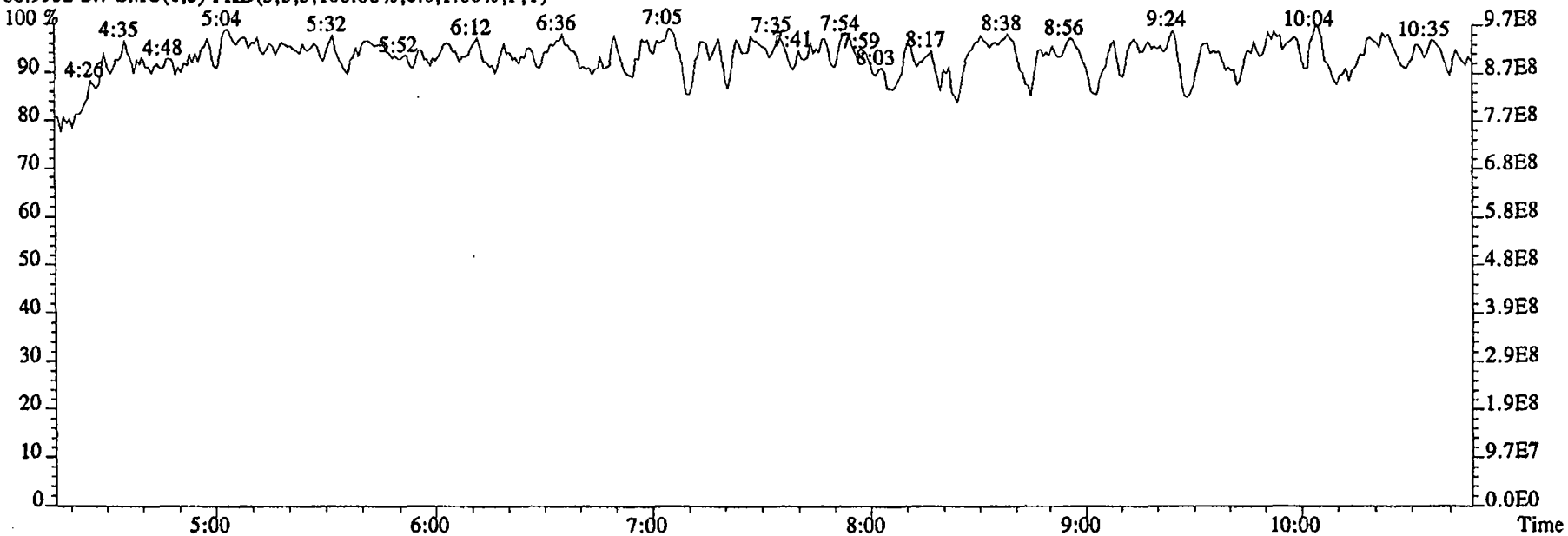
File:16DE045SP #1-590 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA
113.0032 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1953764.0,1.00%,F,T)



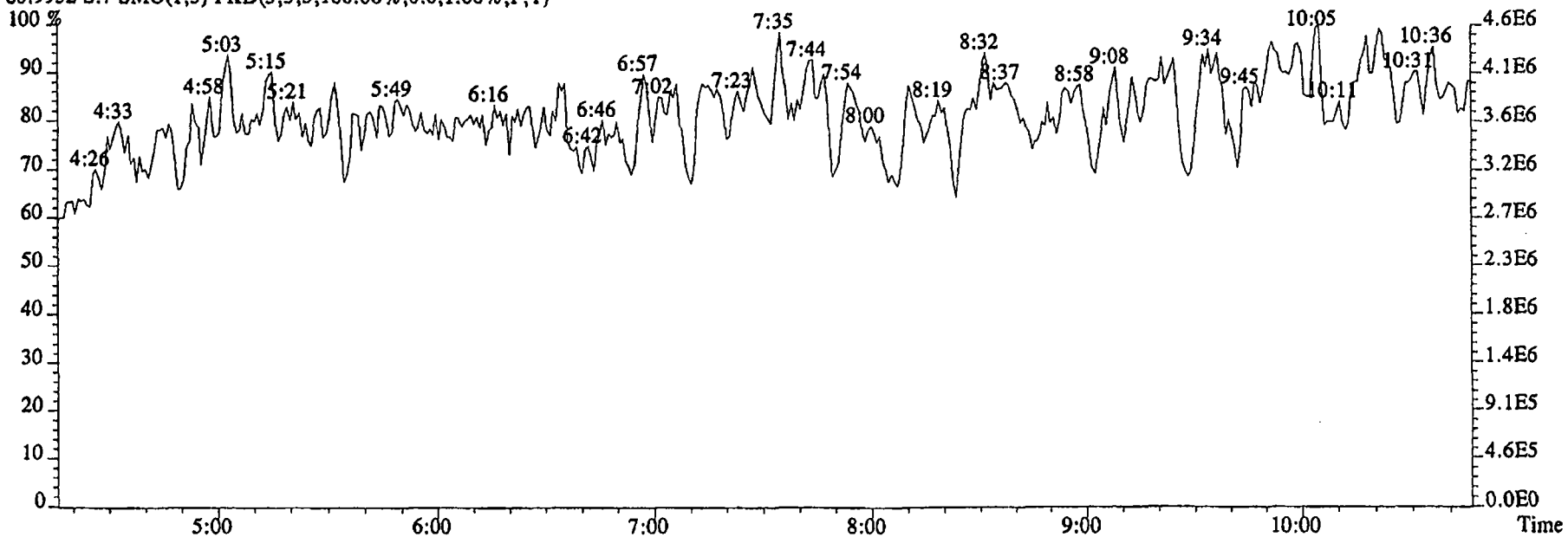
115.0003 S:7 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34980.0,1.00%,F,T)



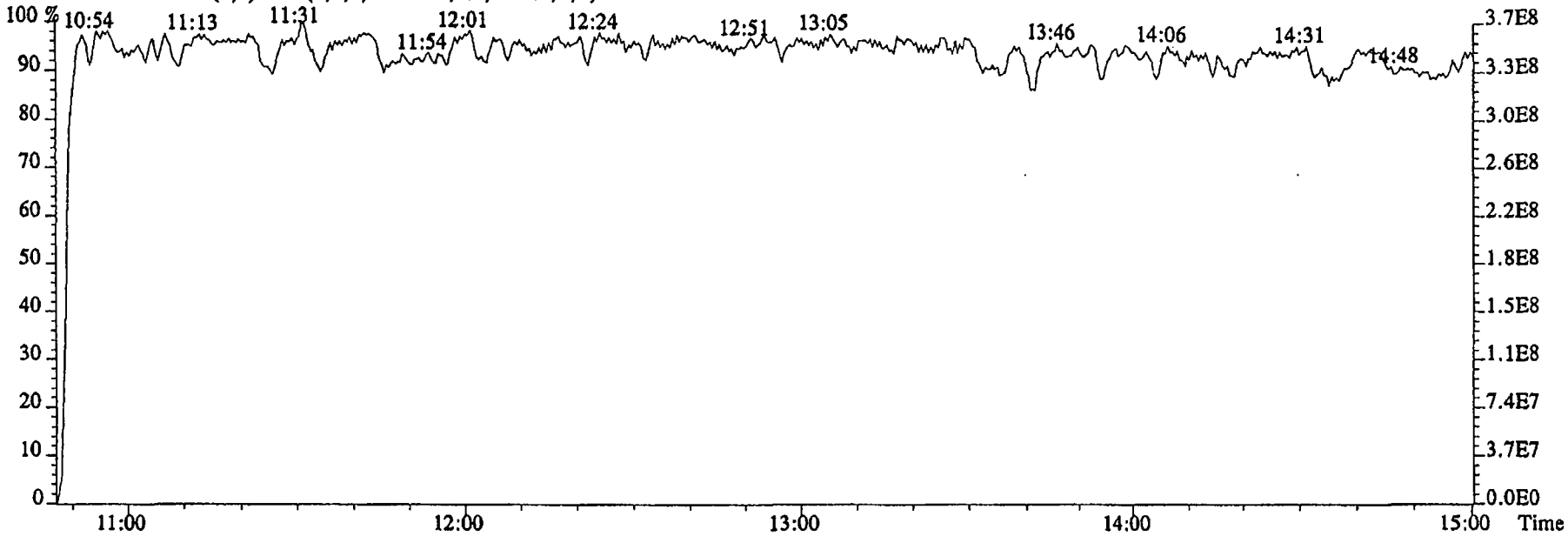
File:16DE045SP #1-481 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA
68.9952 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



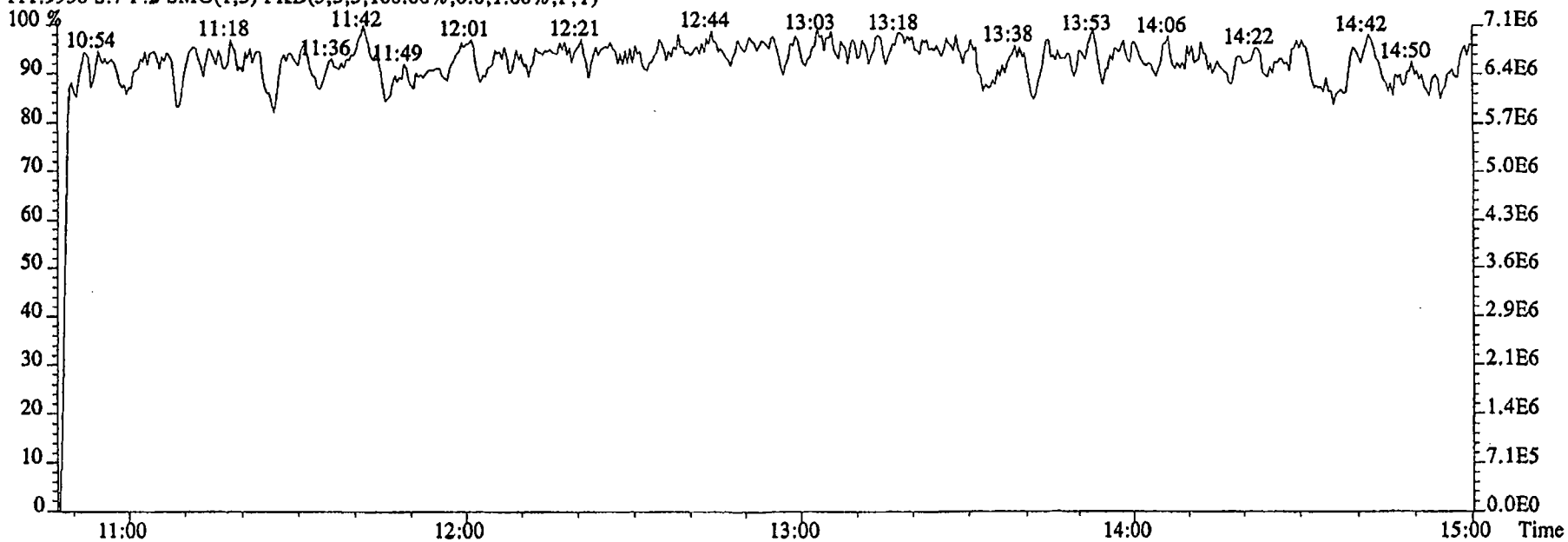
80.9952 S:7 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



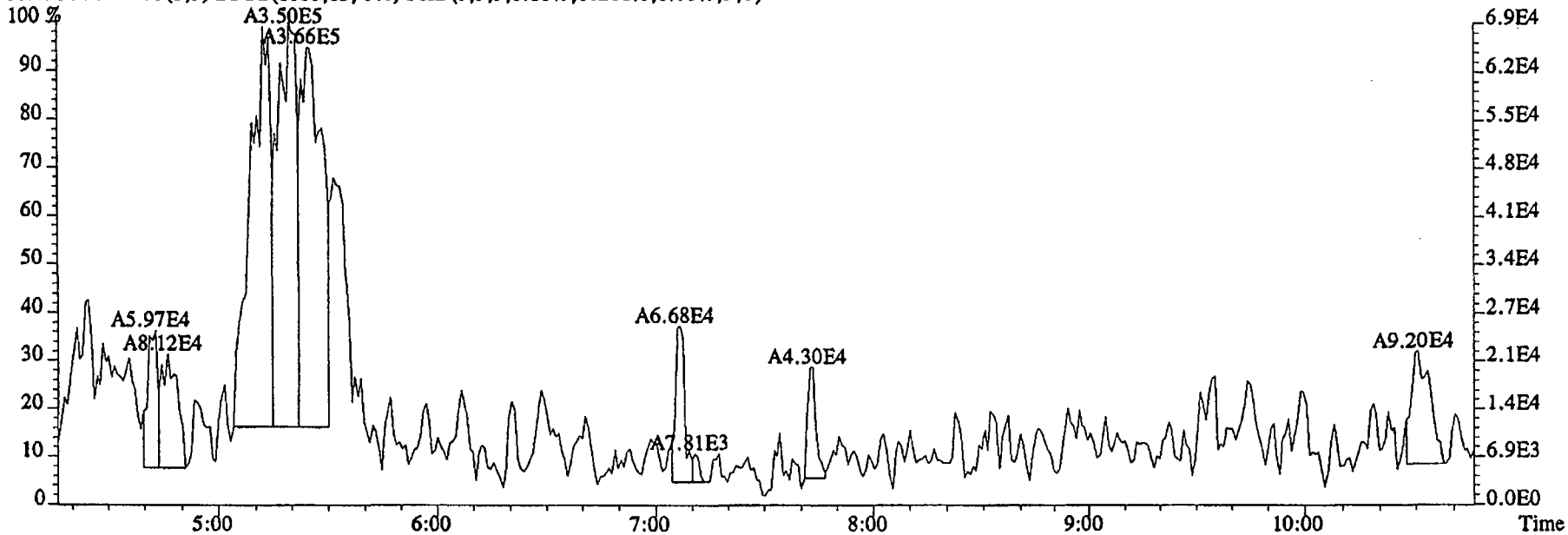
File:16DE045SP #1-590 Acq:16-DEC-2004 20:40:23 GC EI+ Voltage SIR 70SE
Sample#7 Text:ST1216E :CS3 2350-68C Exp:NDMAVOA
118.9920 S:7 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



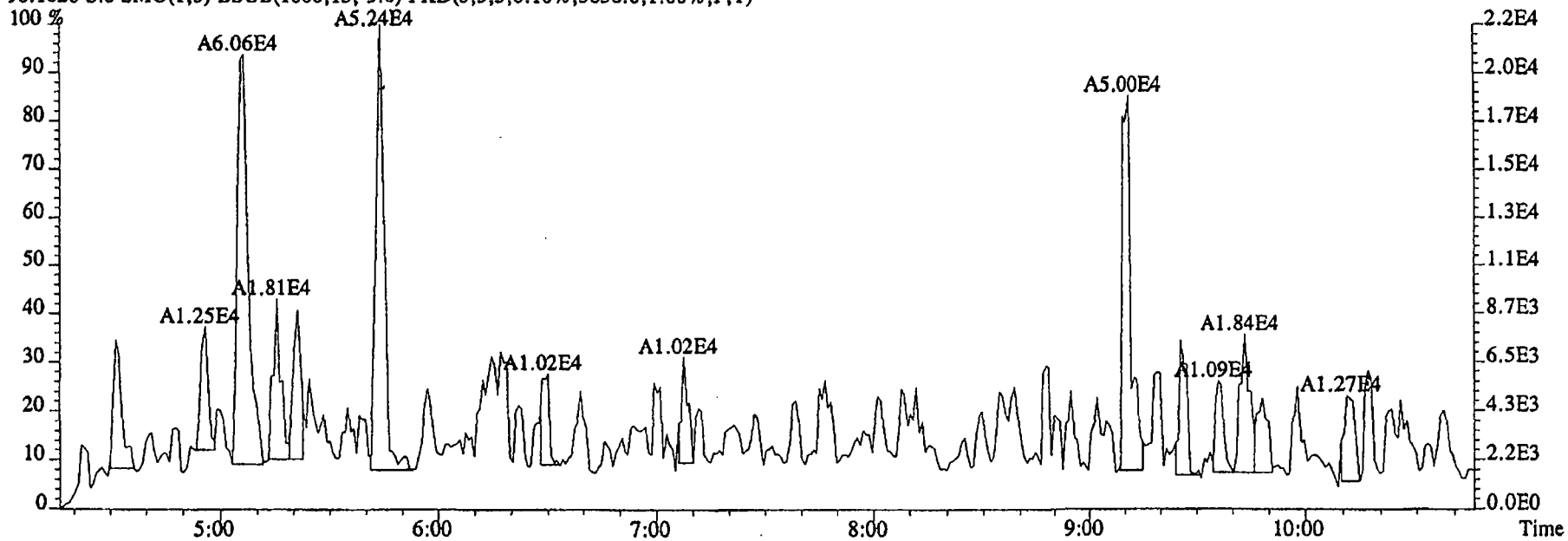
111.9936 S:7 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



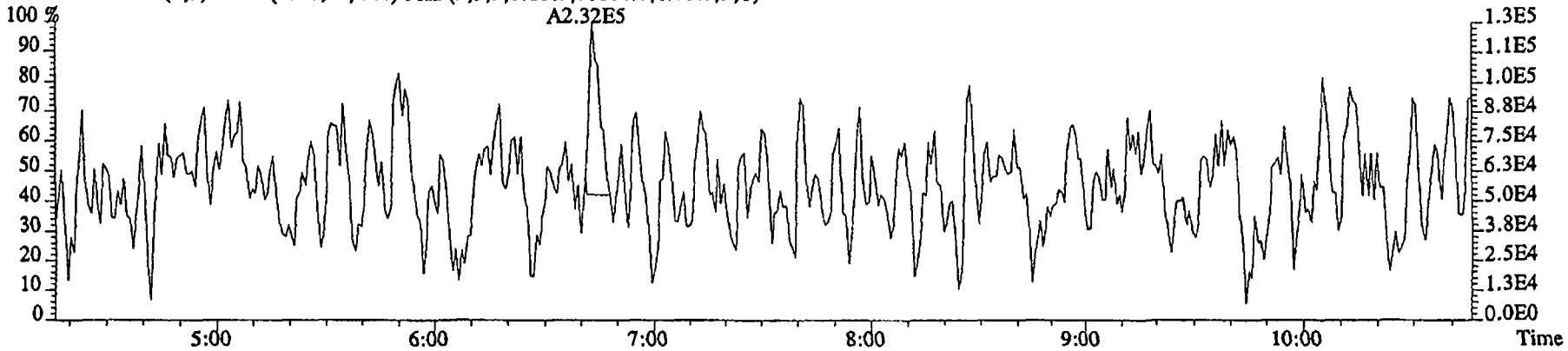
File:16DE045SP #1-480 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
88.0524 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10208.0,1.00%,F,T)



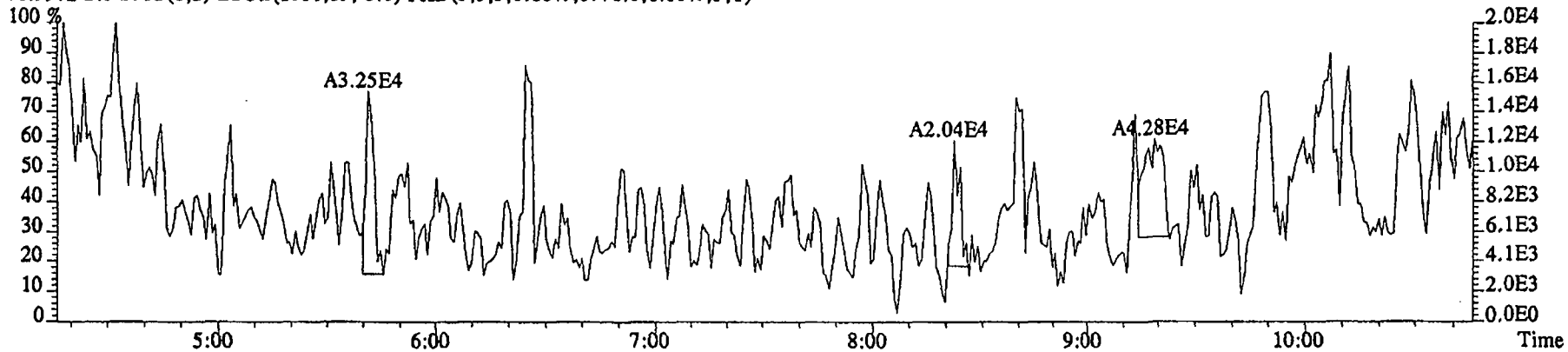
96.1026 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3636.0,1.00%,F,T)



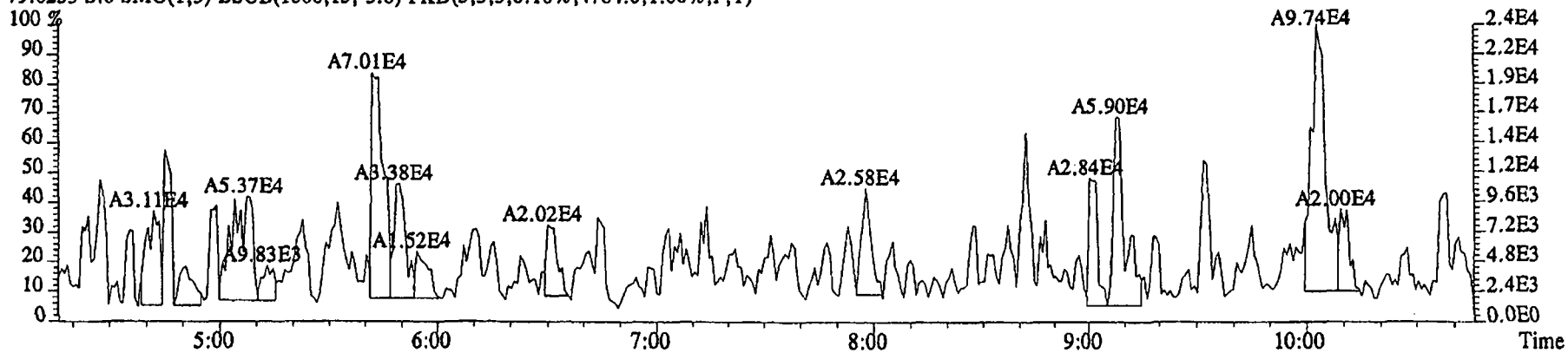
File:16DE045SP #1-480 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
75.0002 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,76664.0,1.00%,F,T)



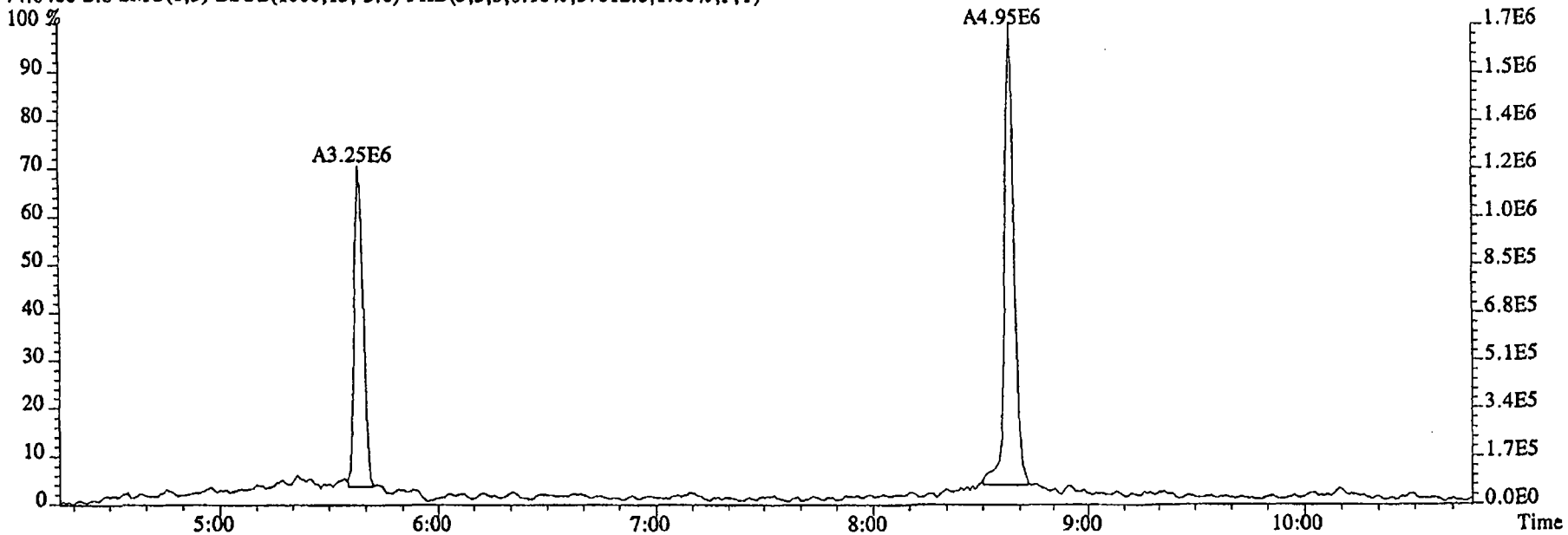
76.9972 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8776.0,1.00%,F,T)



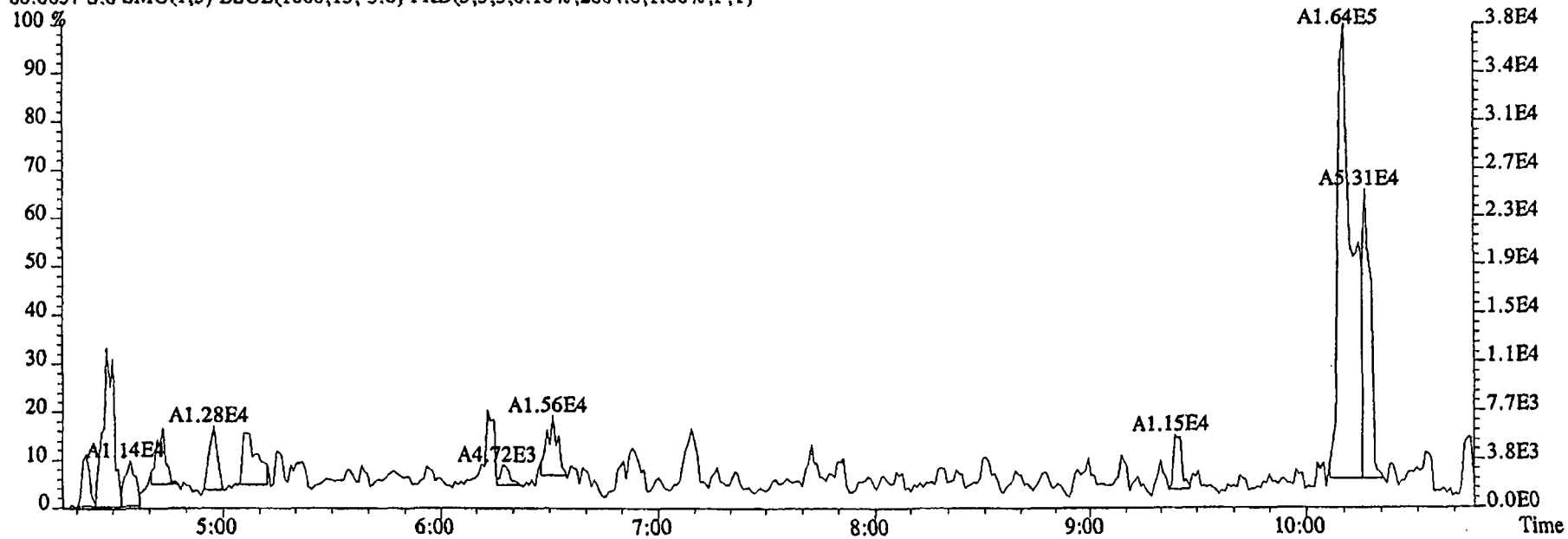
79.0253 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4764.0,1.00%,F,T)



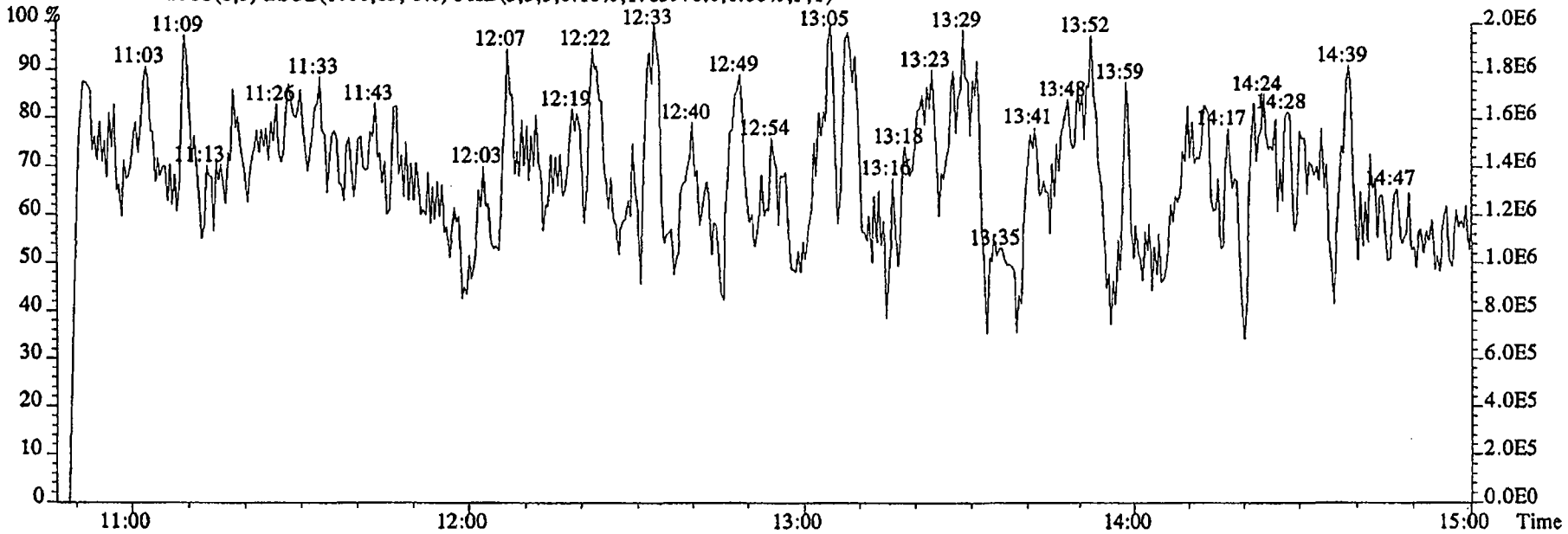
File:16DE045SP #1-480 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
74.0480 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37012.0,1.00%,F,T)



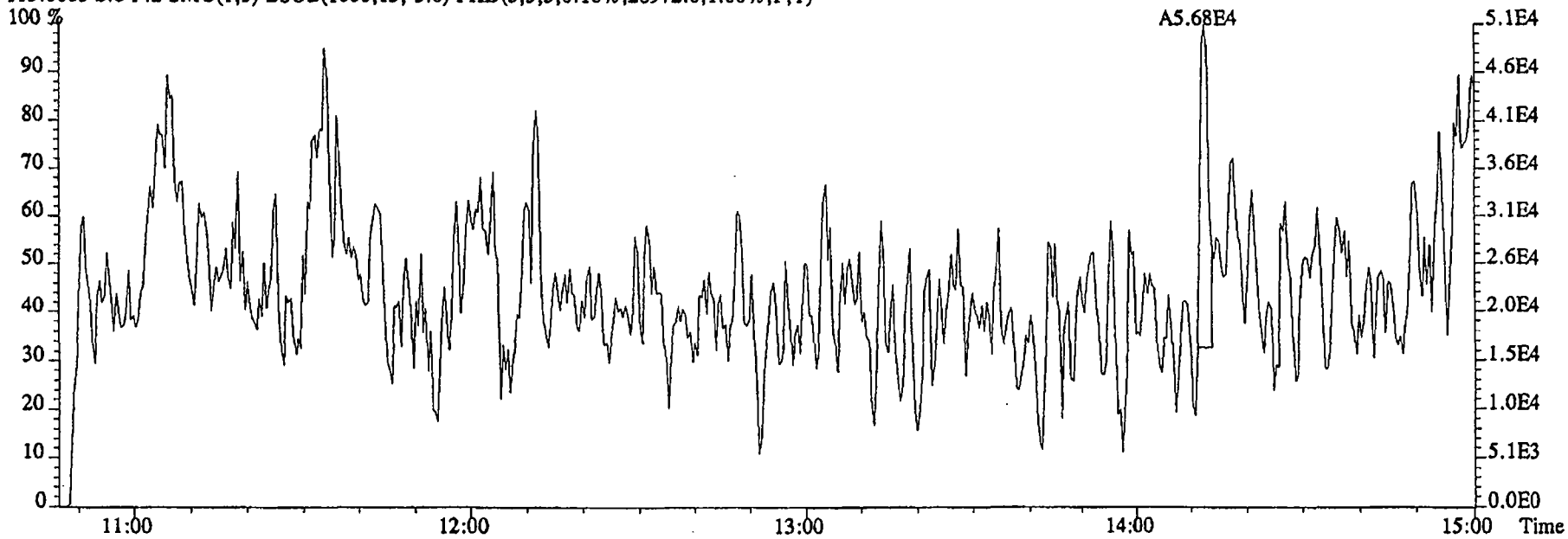
80.0857 S:8 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2804.0,1.00%,F,T)



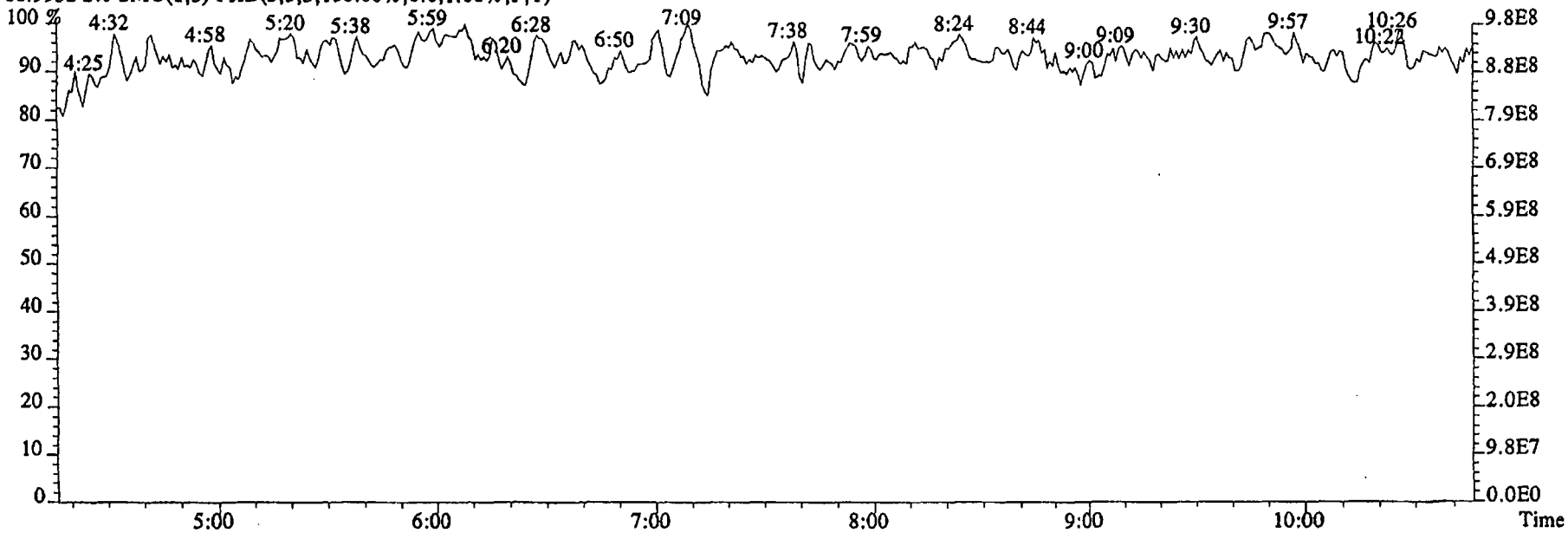
File:16DE045SP #1-591 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
113.0032 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1763976.0,1.00%,F,T)



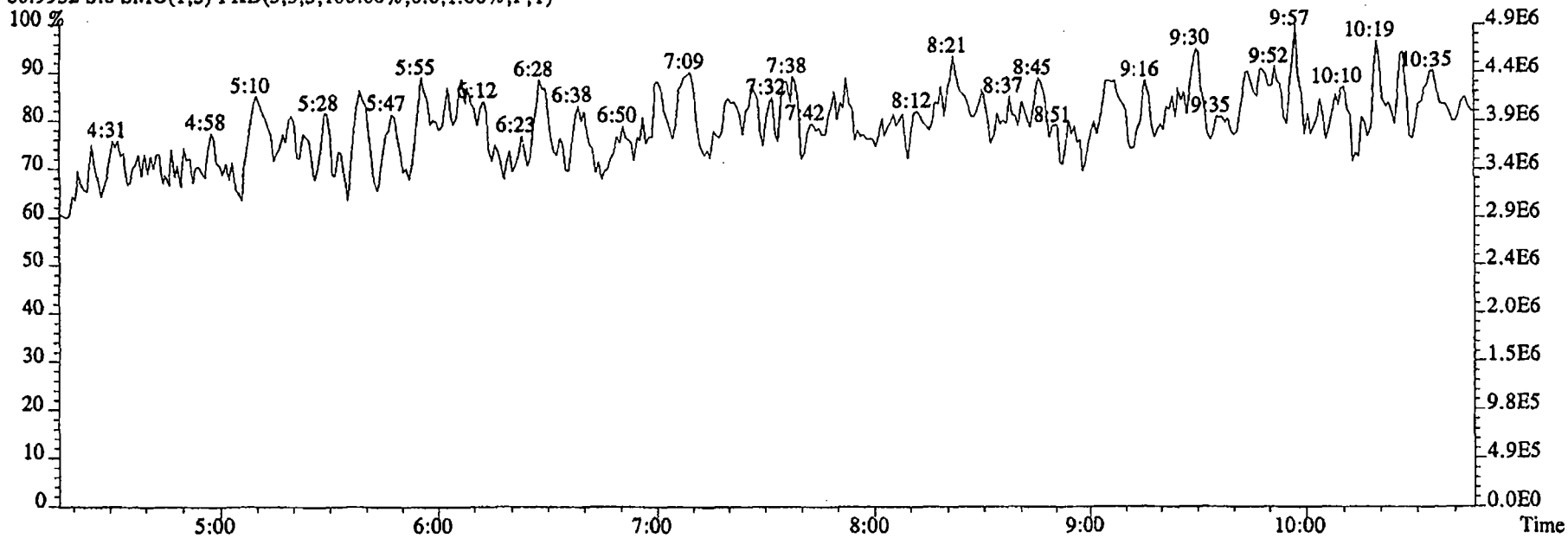
115.0003 S:8 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28972.0,1.00%,F,T)



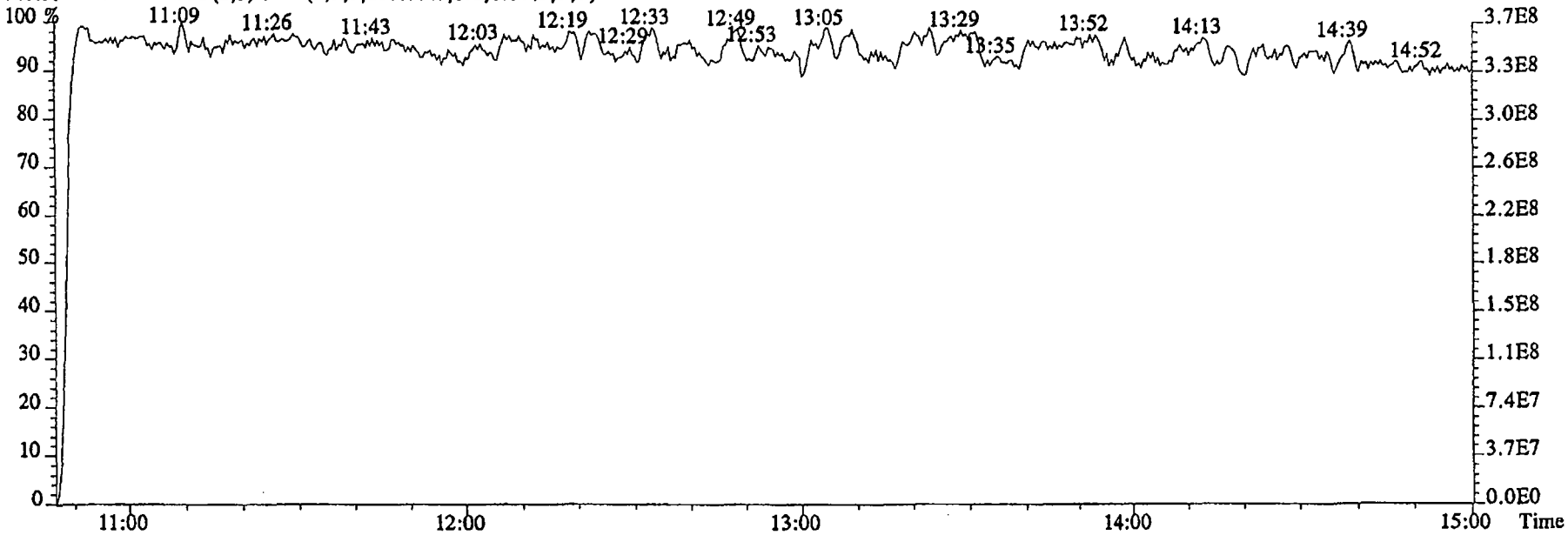
File:16DE045SP #1-480 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
68.9952 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



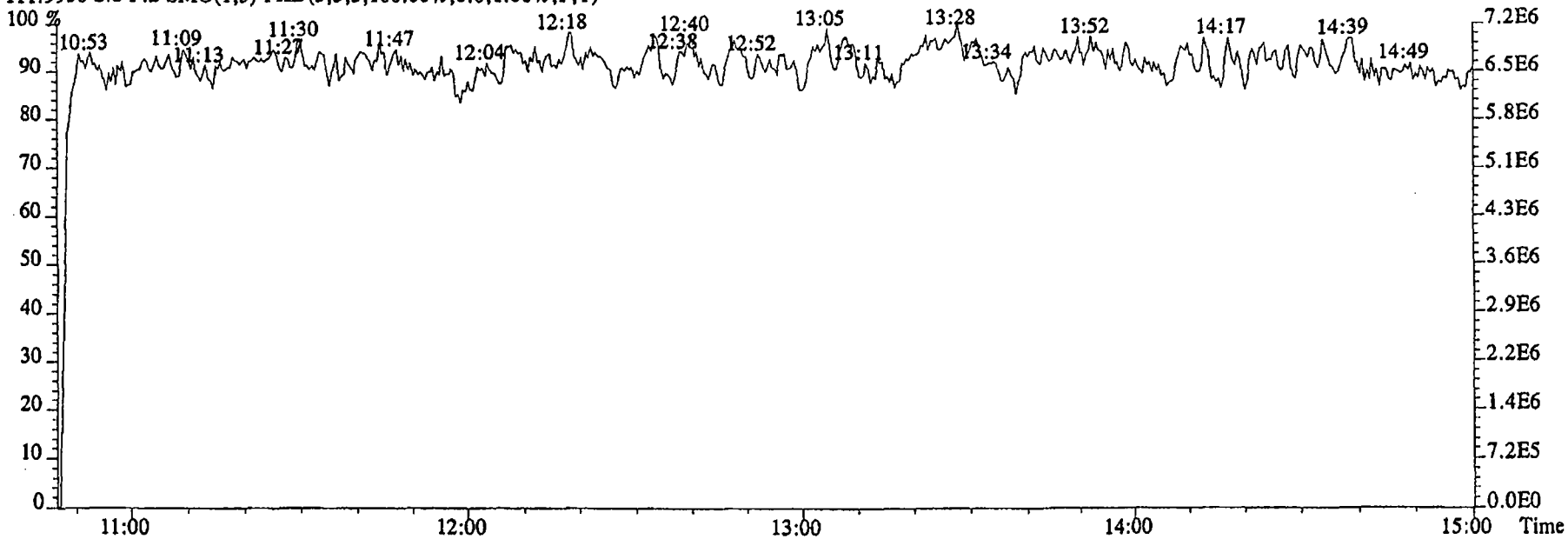
80.9952 S:8 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-591 Acq:16-DEC-2004 21:00:44 GC EI+ Voltage SIR 70SE
Sample#8 Text:SB1216A :Solvent Blank DCM Exp:NDMAVOA
118.9920 S:8 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:8 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



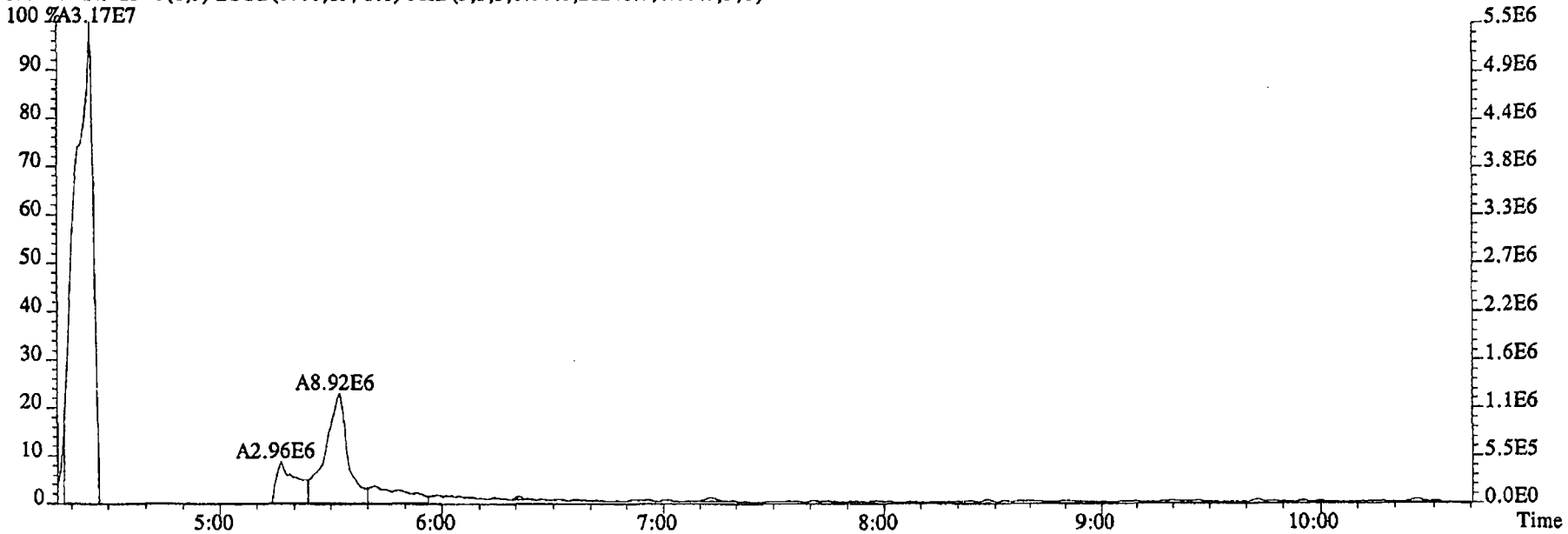
STL-Sacramento (916) 373-5600
G4L080479

Run text: G1NWF-1-AAB Sample text: G1NWF-1-AAB :G4L080479-1MBRX
Run #8 Filename: 29DE045SP S: 9 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 16:14:36 Processed: 29-DEC-04 21:42:52
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

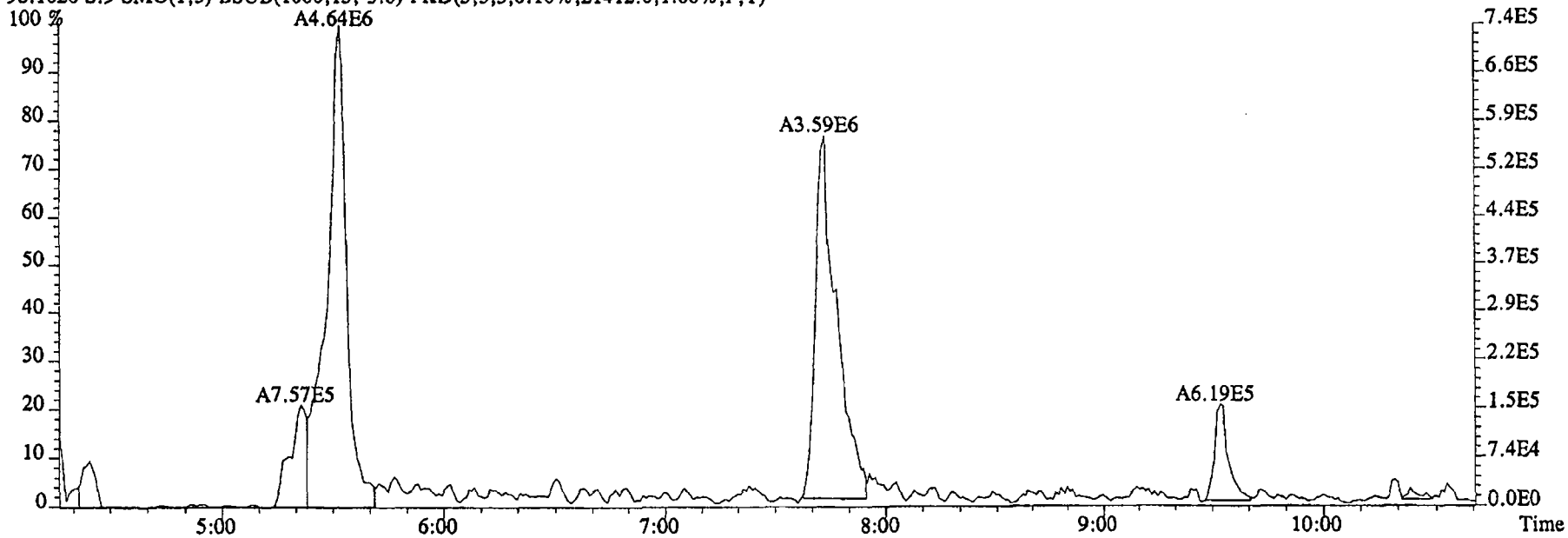
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	135092000		11:09	-	727.08	-	-	n
D8-1,4-Dioxane	756893		5:21	1.11	1.01	0.28	0.1	n
1,4-Dioxane	2961720		5:16	1.89	2070.75	219.59	-	n
D5-123-TriChloroPropane	169729000		10:06	2.68	93.59	0.03	93.6	n
1,2,3-TriChloroPropane	211167		10:10	0.44	0.28	0.16	-	n
1,2,3-TriChloroPropane	598397		10:10	-	0.90	-	-	n
D6-NDMA	35242400		10:17	1.68	31.01	0.00	31.0	n
NDMA	8483810		10:16	1.37	17.60	1.16	-	n
2-Chloropyridine	418477000		11:09	-	711.63	-	-	n

12-30-04

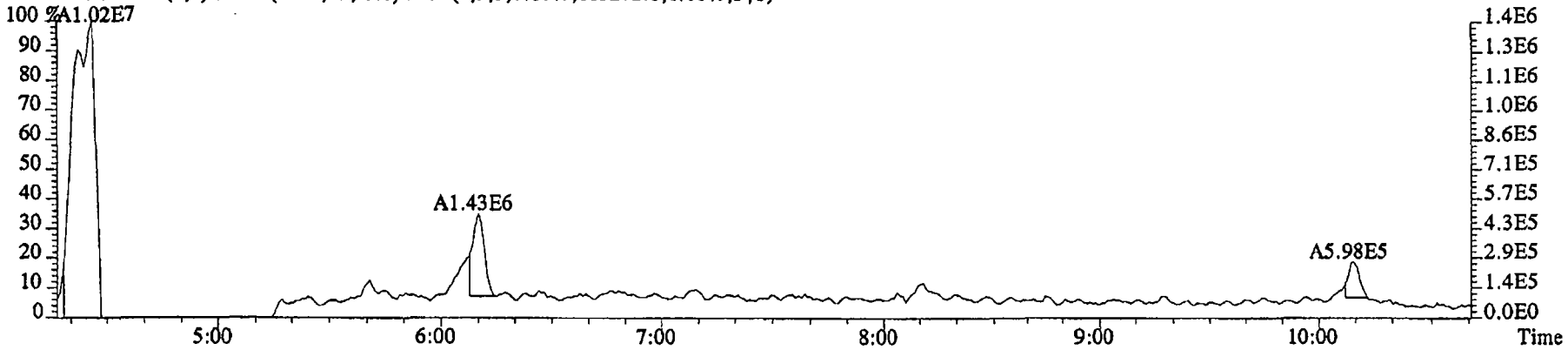
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
88.0524 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21248.0,1.00%,F,T)



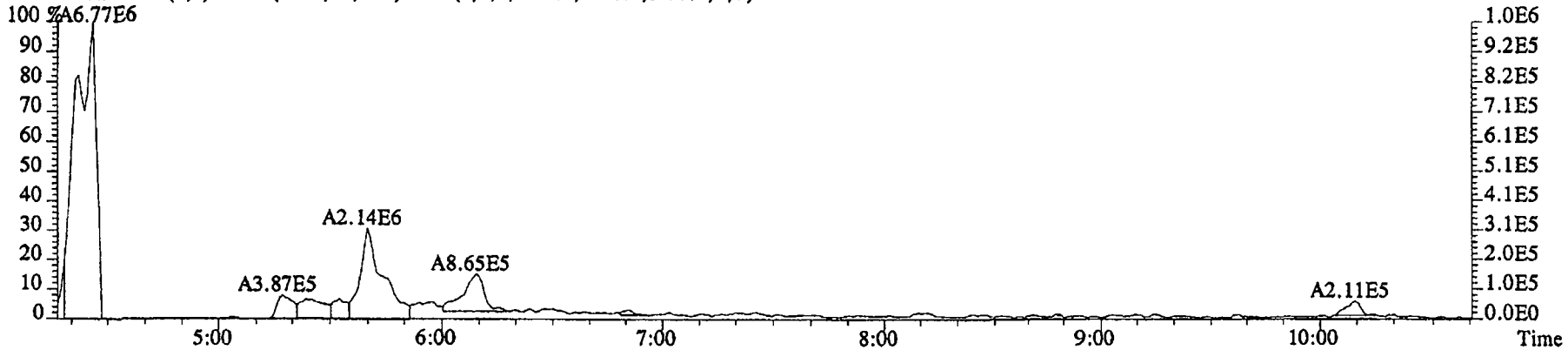
96.1026 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21412.0,1.00%,F,T)



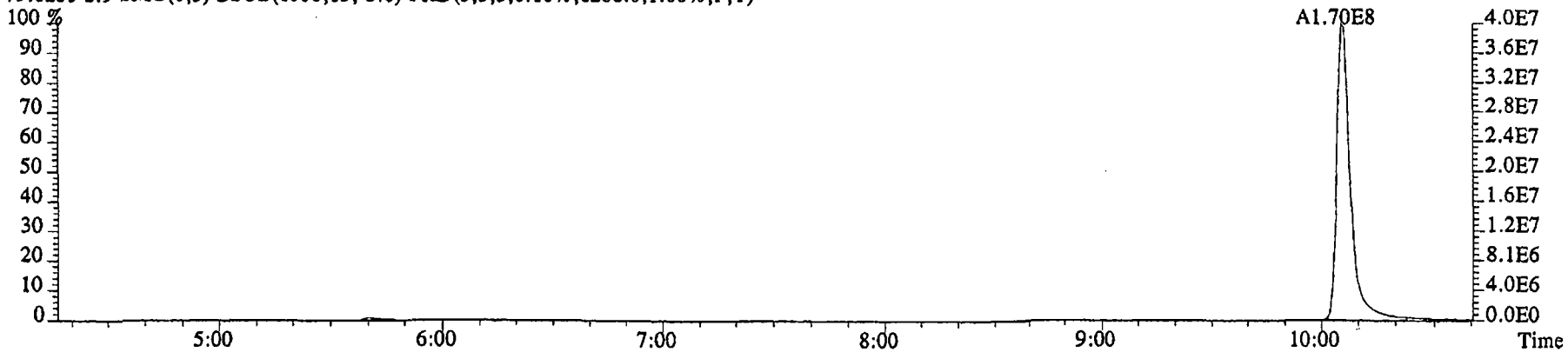
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
75.0002 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,115272.0,1.00%,F,T)



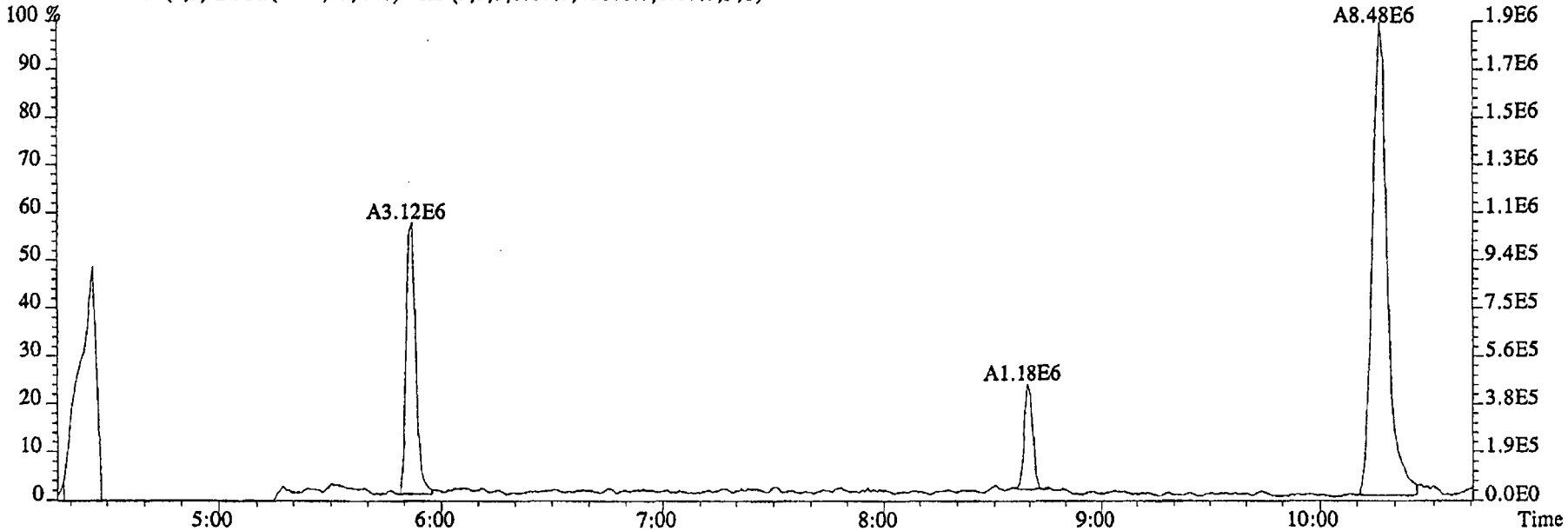
76.9972 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9308.0,1.00%,F,T)



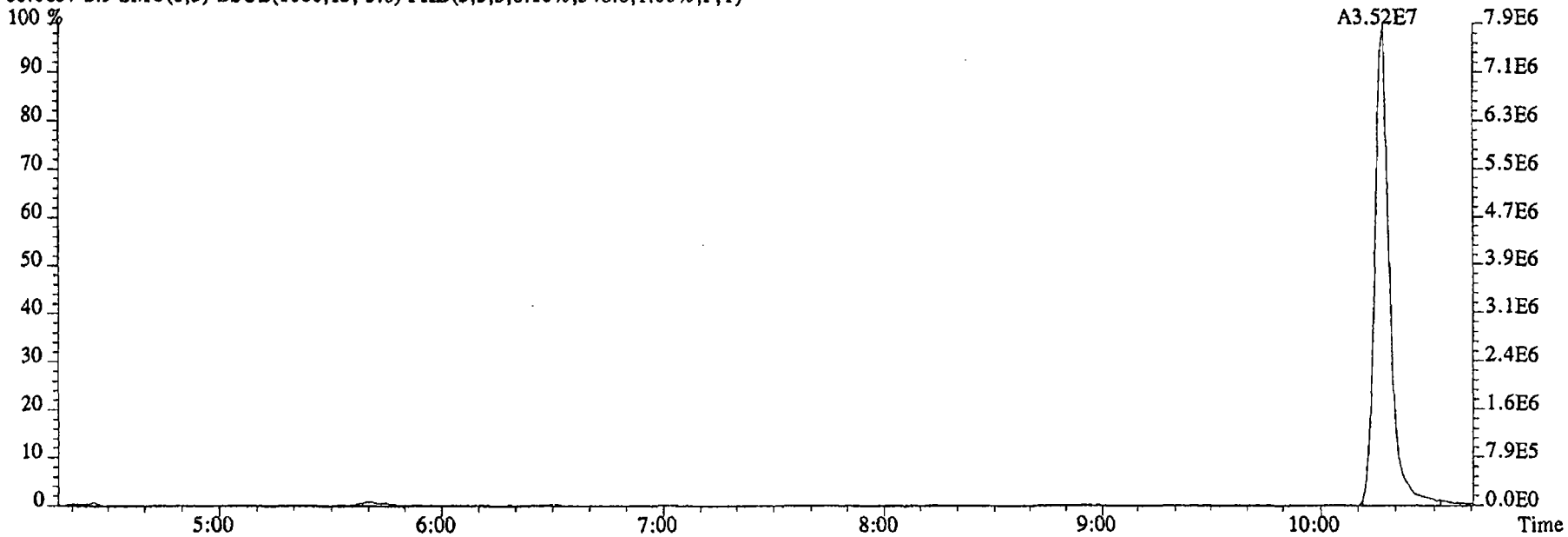
79.0253 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6288.0,1.00%,F,T)



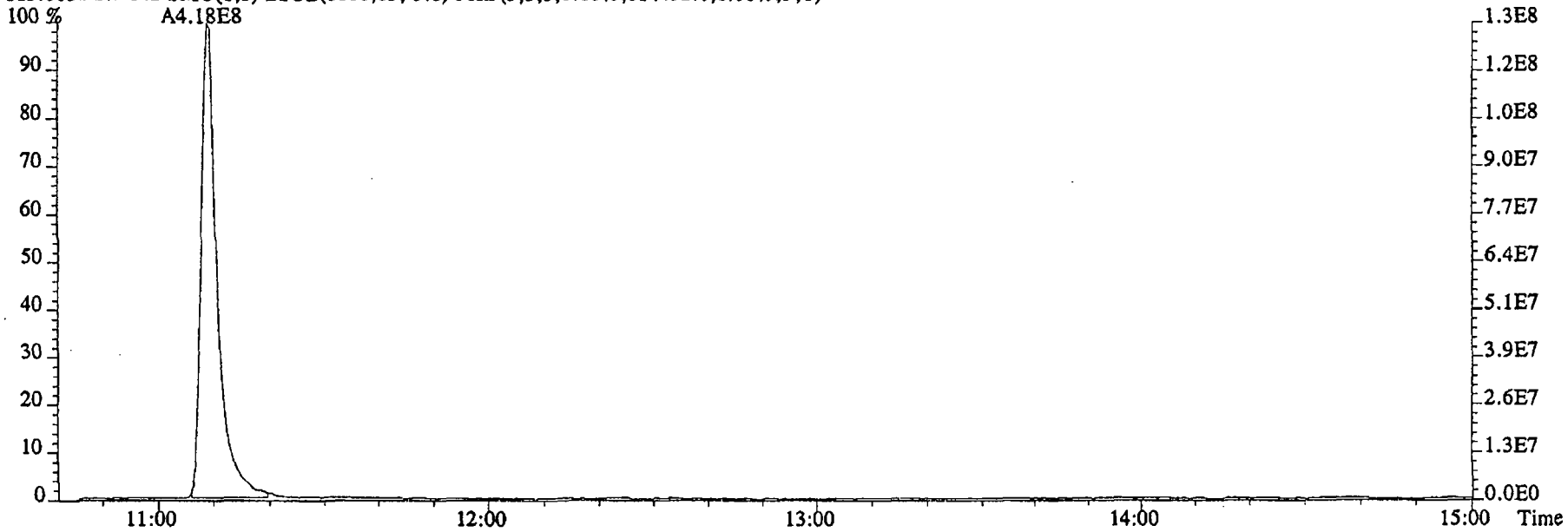
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
74.0480 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,41688.0,1.00%,F,T)



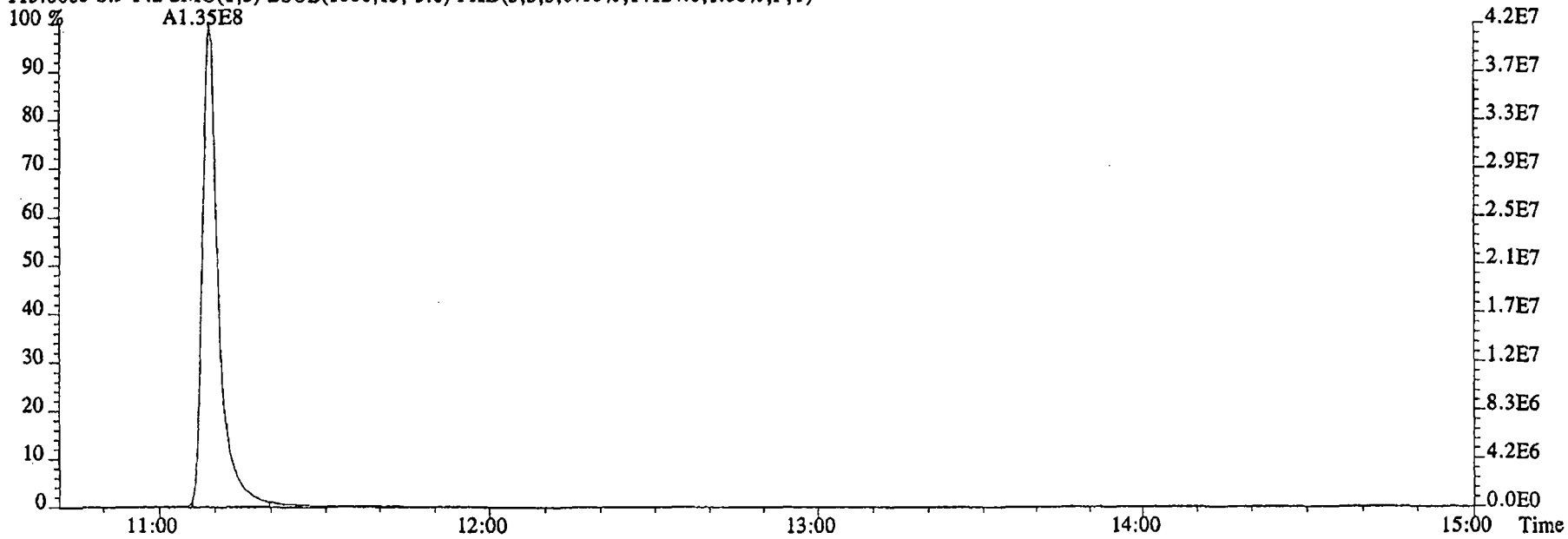
80.0857 S:9 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,548.0,1.00%,F,T)



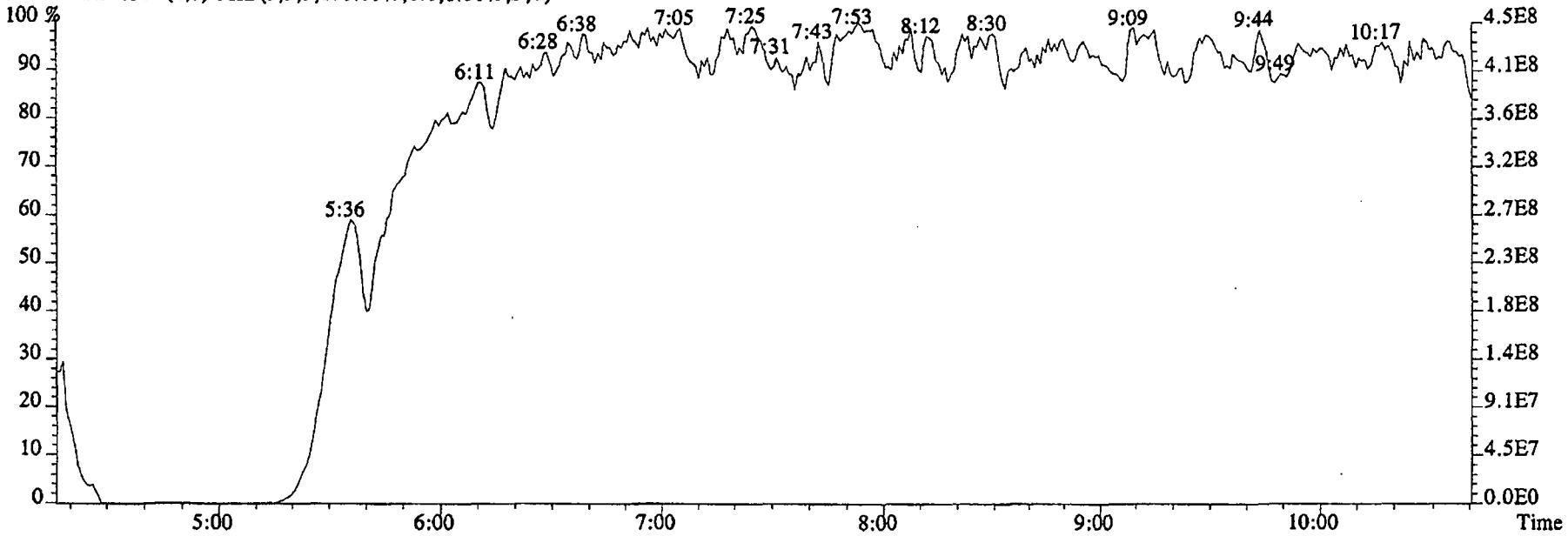
File:29DE045SP #1-602 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
113.0032 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,614452.0,1.00%,F,T)



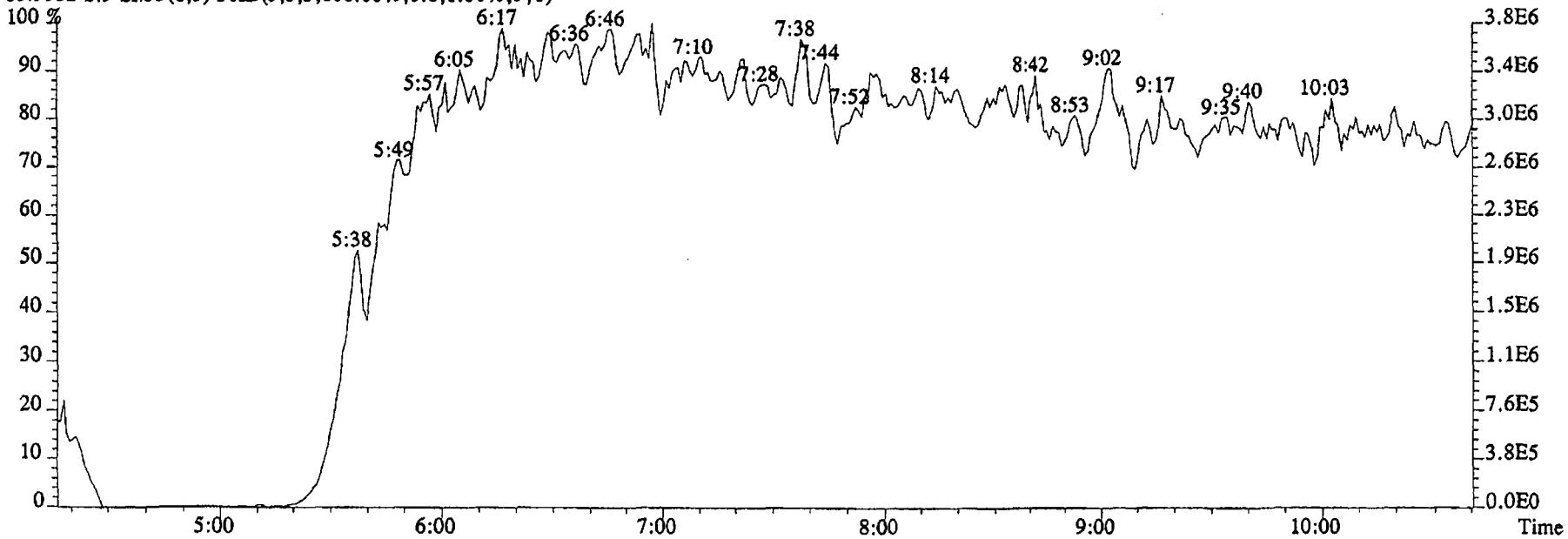
115.0003 S:9 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14124.0,1.00%,F,T)



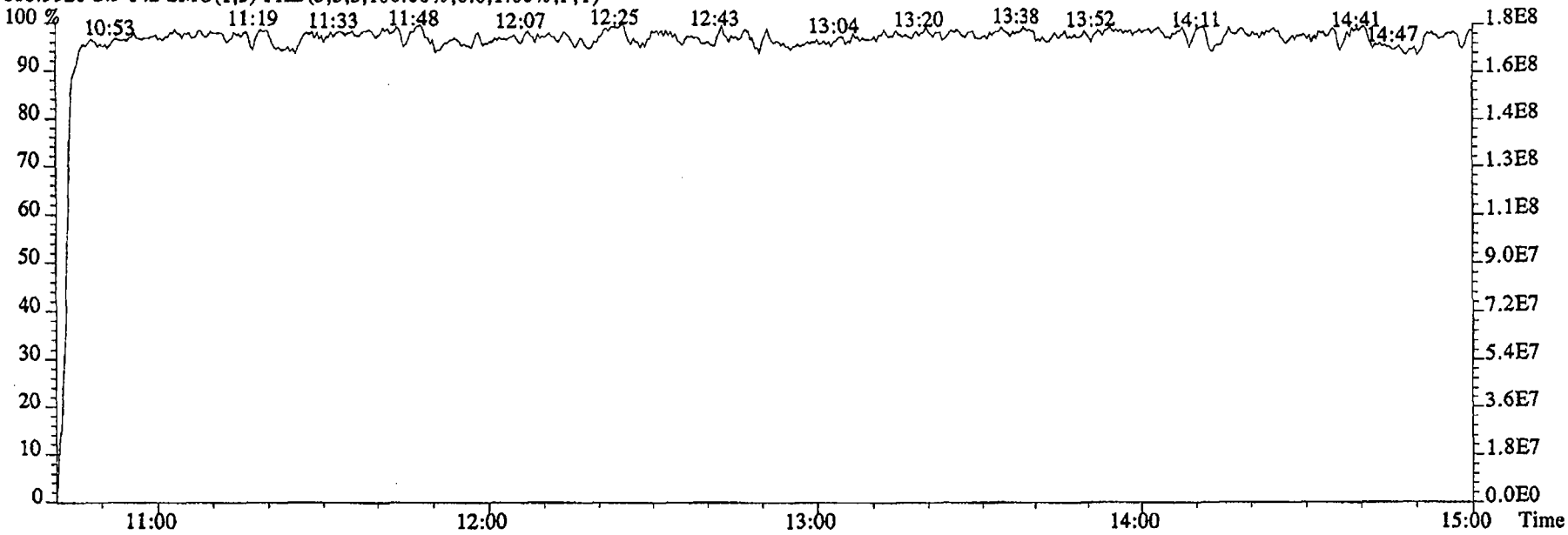
File:29DE045SP #1-474 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
68.9952 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



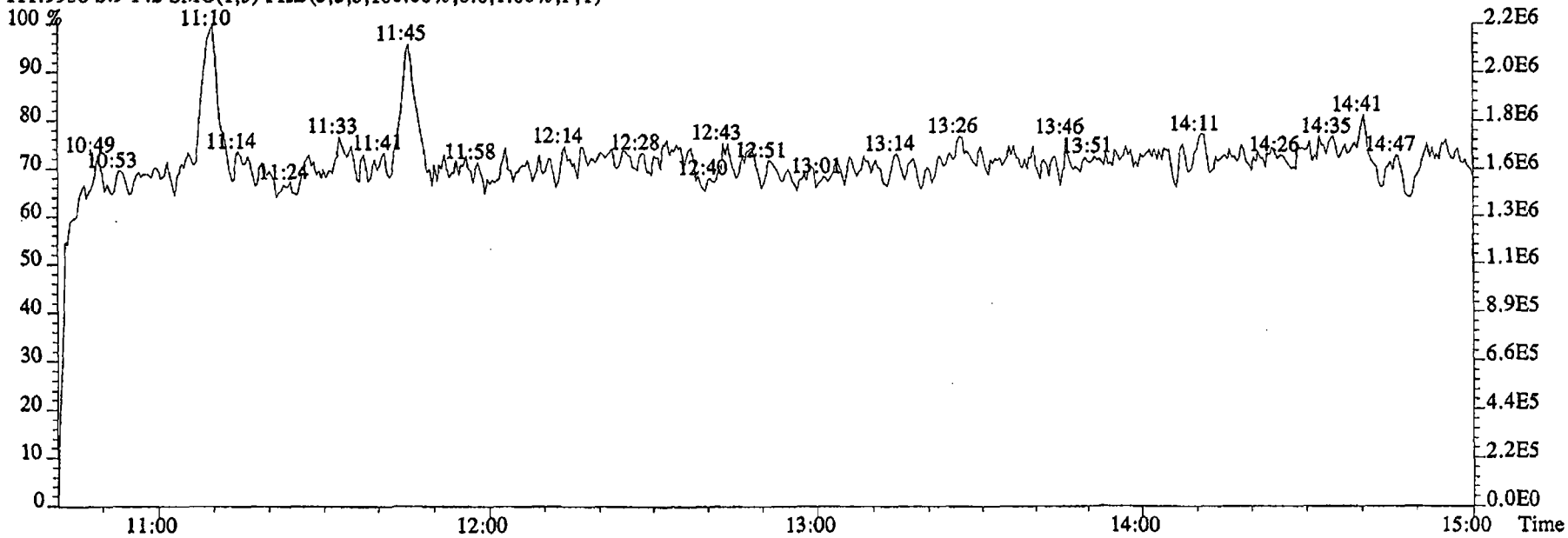
80.9952 S:9 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 16:14:36 GC EI+ Voltage SIR 70SE
Sample#9 Text:G1NWF-1-AAB :G4L080479-1MBRX Exp:NDMAVOA
118.9920 S:9 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:9 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

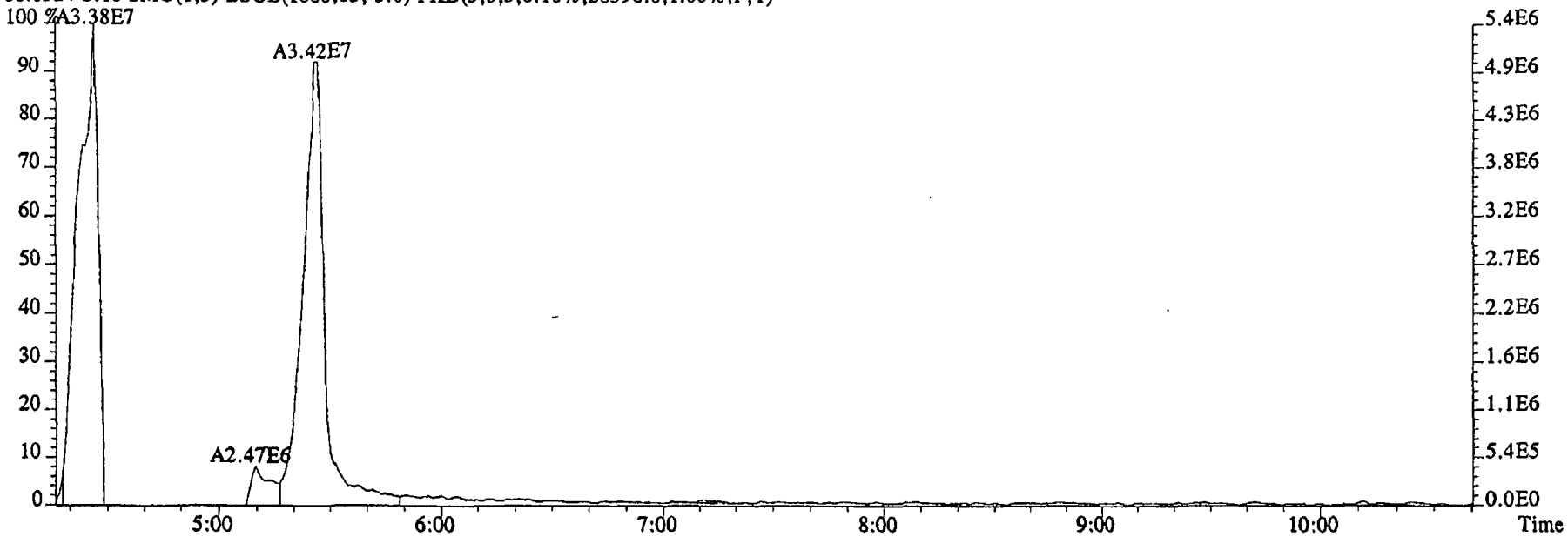


Run text: G1NWF-1-ACC Sample text: G1NWF-1-ACC :G4L080479-1LCSRX
Run #9 Filename: 29DE045SP S: 10 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 16:35:02 Processed: 29-DEC-04 21:42:52
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 1.000 L

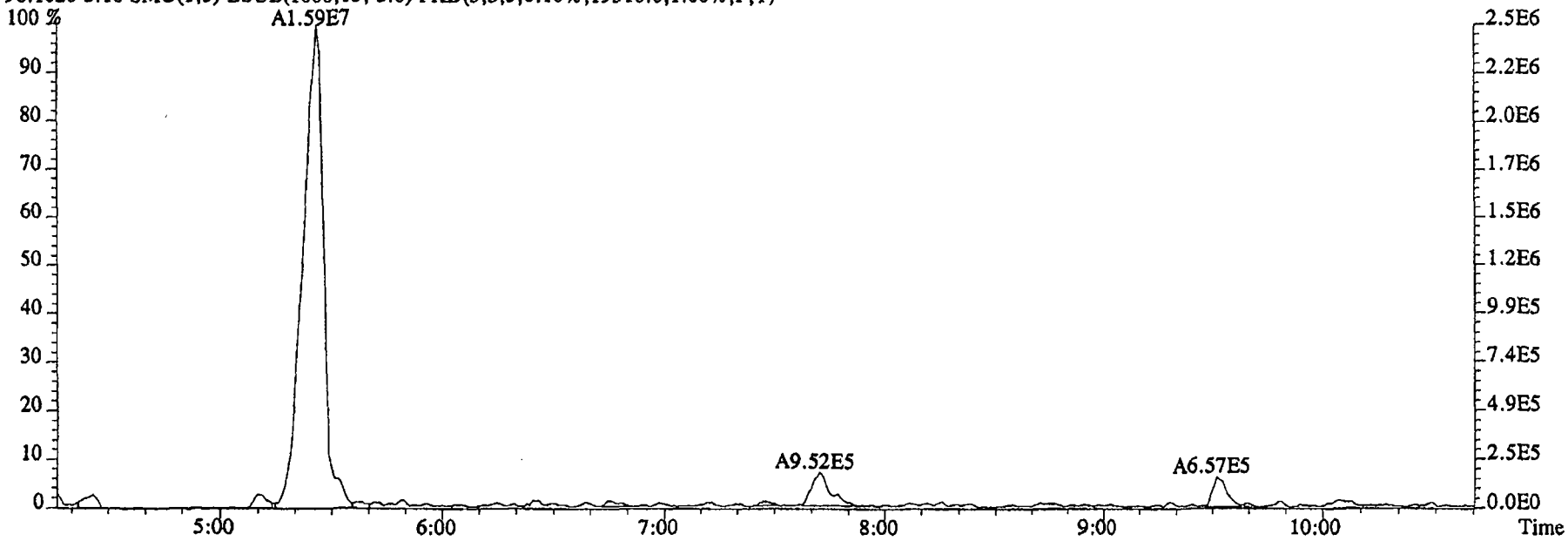
Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	81943200		11:08	-	441.03	-	-	n
D8-1,4-Dioxane	260725		5:10	1.11	0.57	0.40	0.1	n
1,4-Dioxane	2467180		5:10	1.89	5007.69	648.53	-	n
D5-123-TriChloroPropane	112154000		10:05	2.68	101.96	0.03	102.0	n
1,2,3-TriChloroPropane	45763900		10:09	0.44	92.95	0.26	-	n
1,2,3-TriChloroPropane	151106000		10:09	-	226.71	-	-	n
D6-NDMA	21374400		10:16	1.68	31.01	0.01	31.0	n
NDMA	34795600		10:15	1.37	119.02 ✓	1.79	-	n
2-Chloropyridine	252550000		11:08	-	429.47	-	-	n

12/30/04

File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
88.0524 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,26596.0,1.00%,F,T)

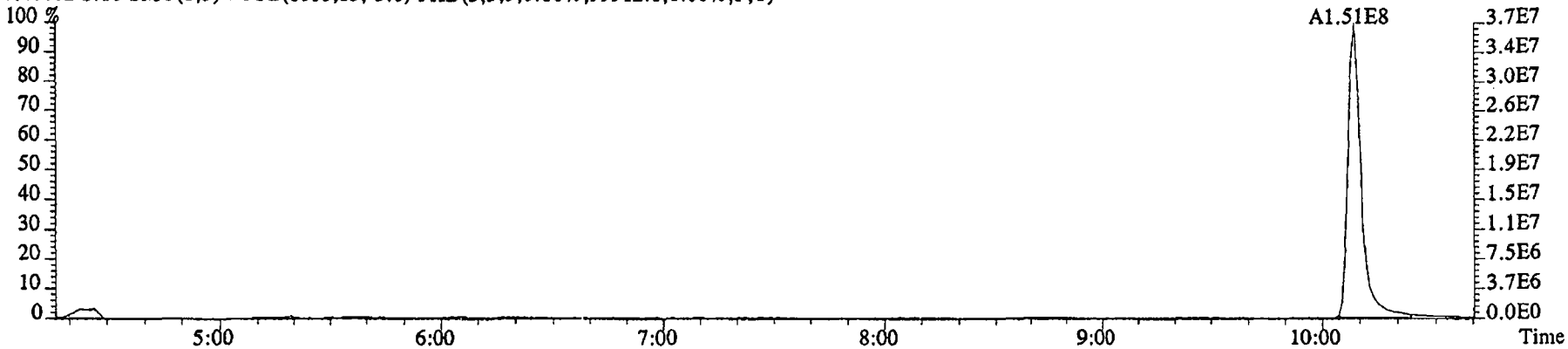


96.1026 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19316.0,1.00%,F,T)

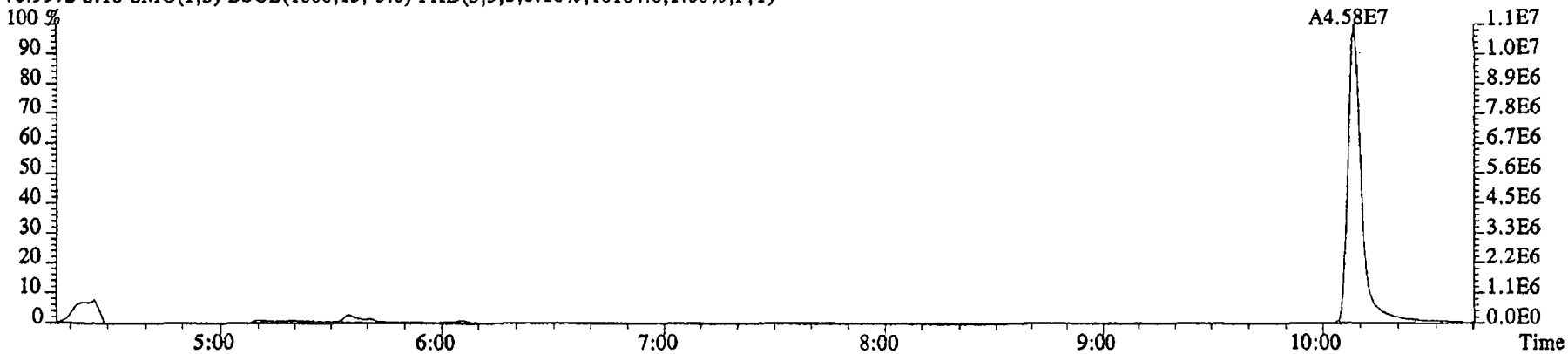


File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA

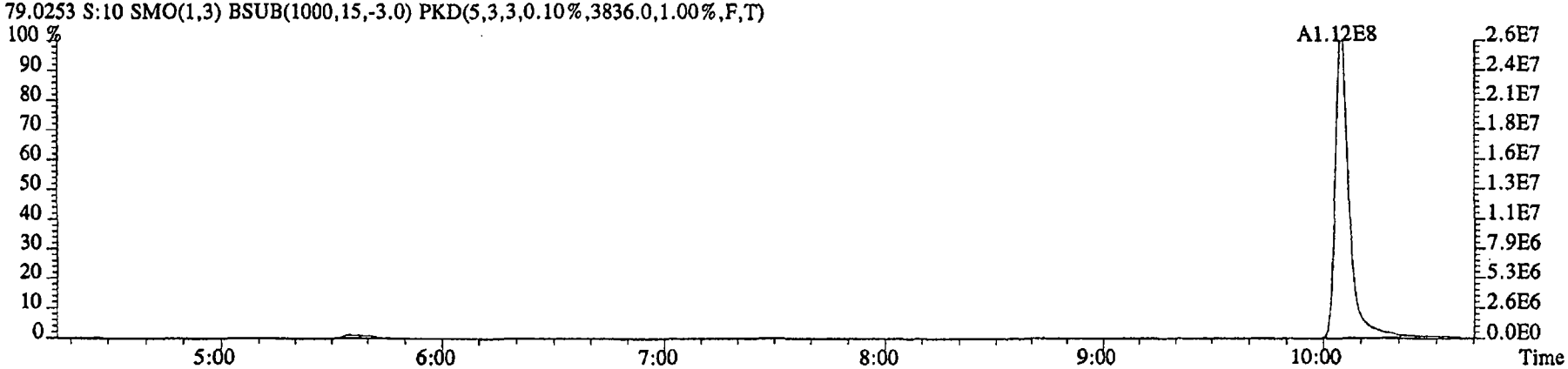
75.0002 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,99912.0,1.00%,F,T)



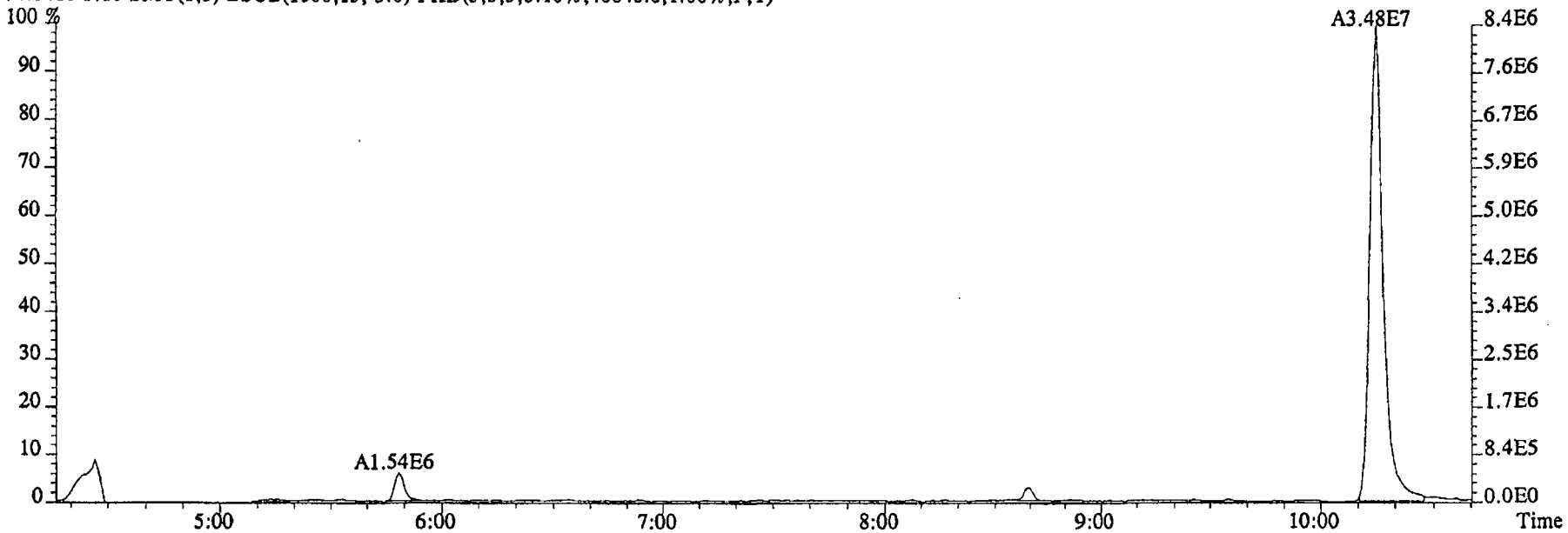
76.9972 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10164.0,1.00%,F,T)



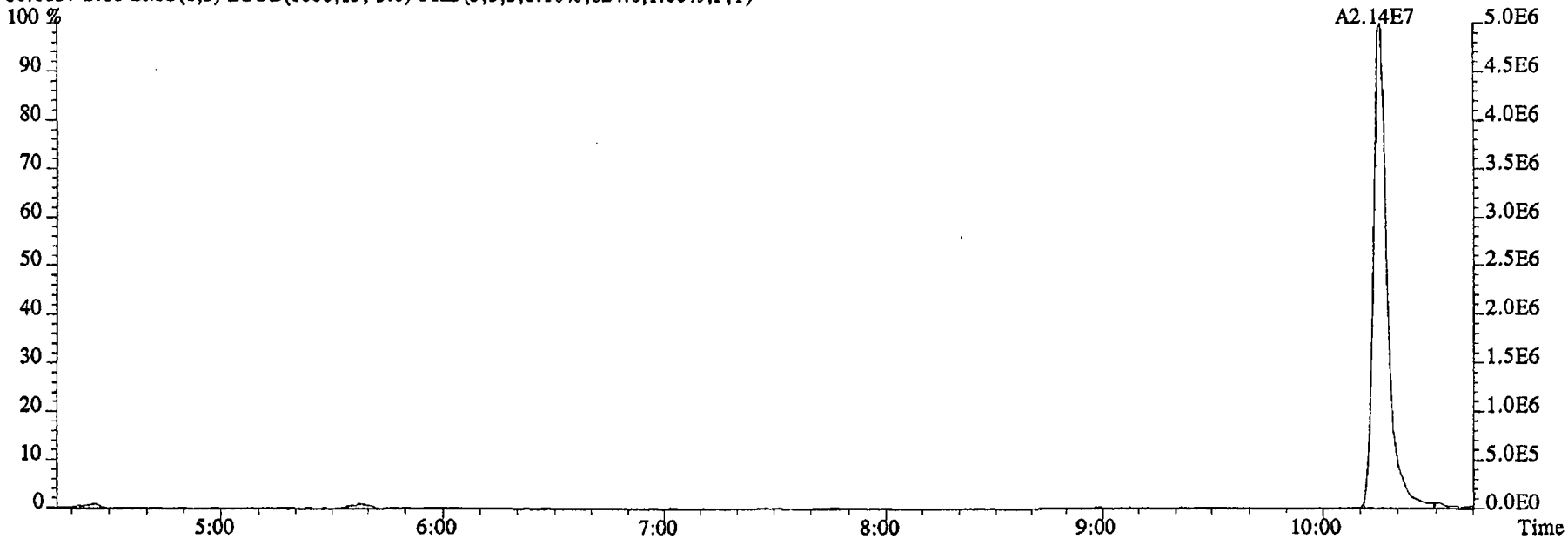
79.0253 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3836.0,1.00%,F,T)



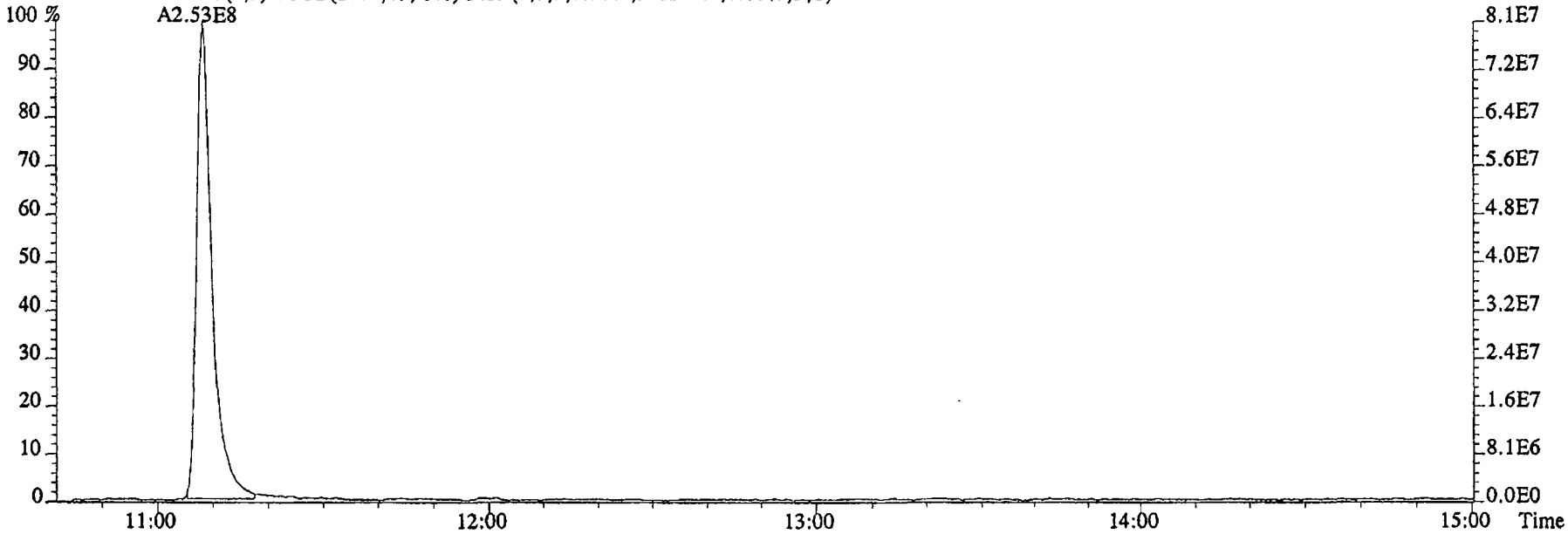
File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
74.0480 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,40640.0,1.00%,F,T)



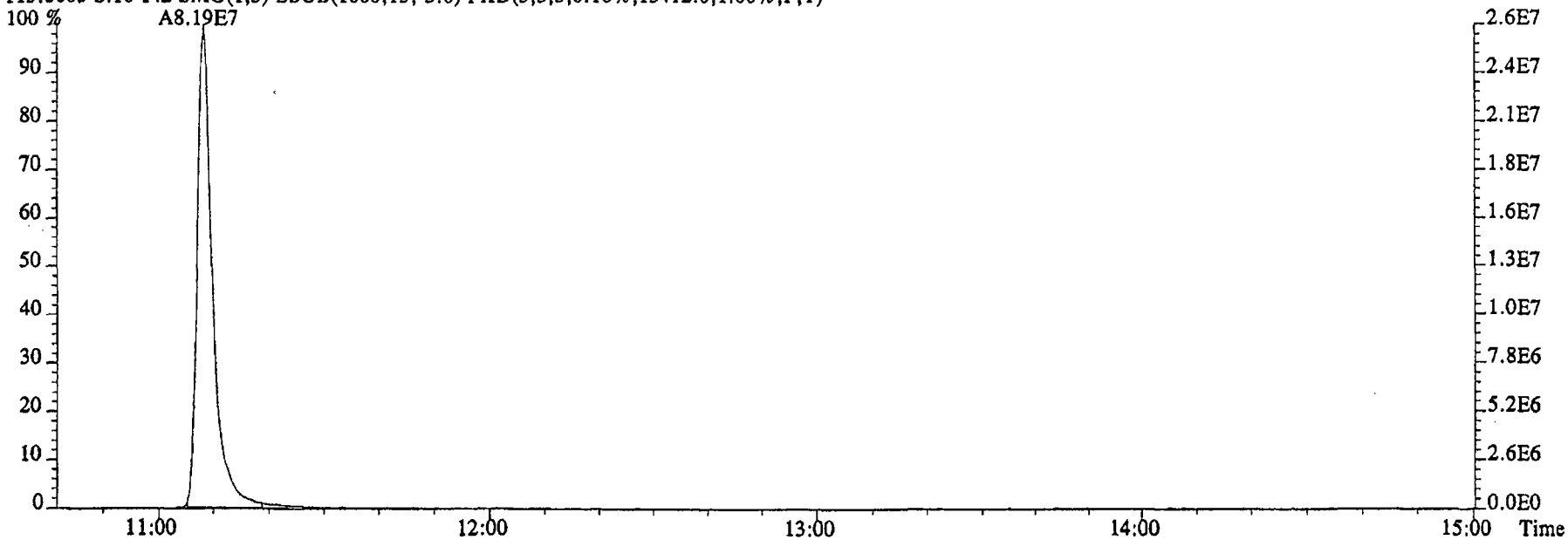
80.0857 S:10 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,824.0,1.00%,F,T)



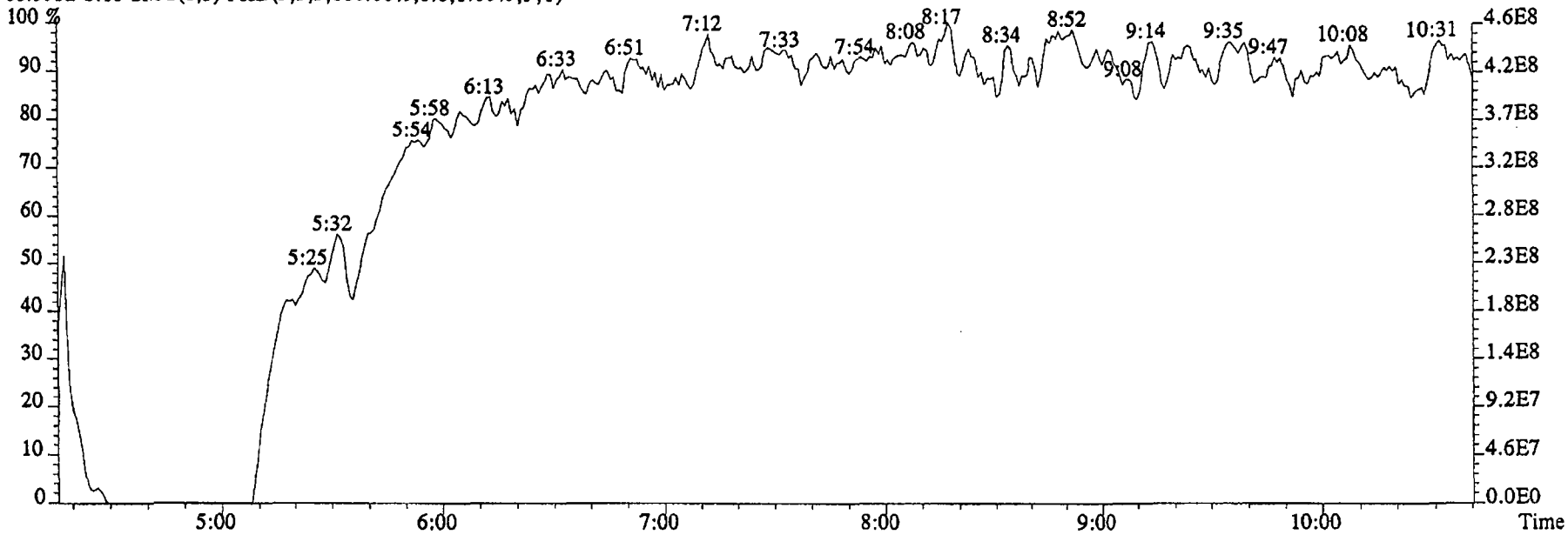
File:29DE045SP #1-603 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
113.0032 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,571276.0,1.00%,F,T)



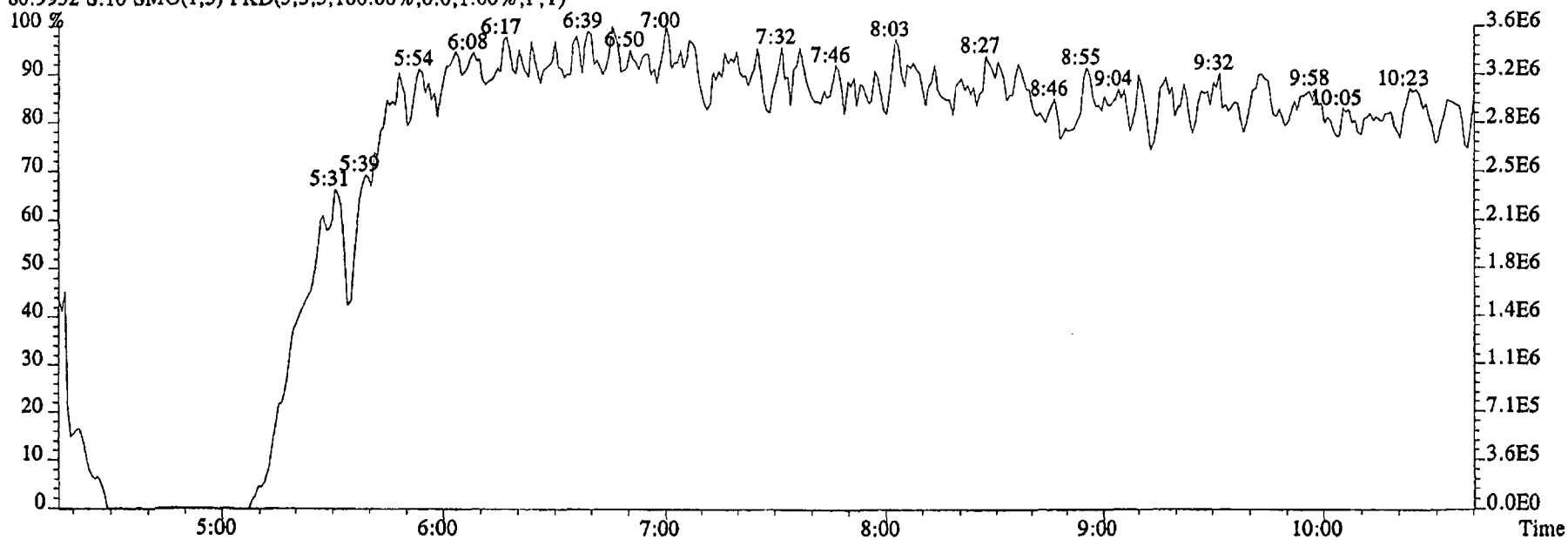
115.0003 S:10 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,13412.0,1.00%,F,T)



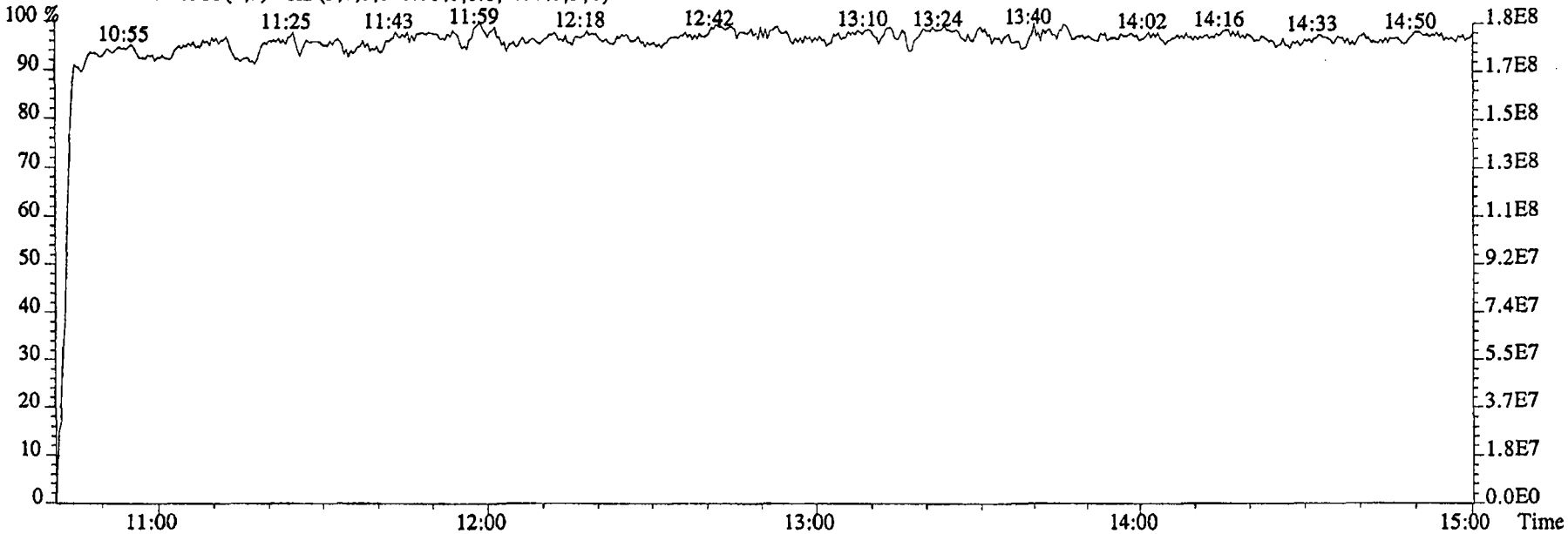
File:29DE045SP #1-474 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
68.9952 S:10 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



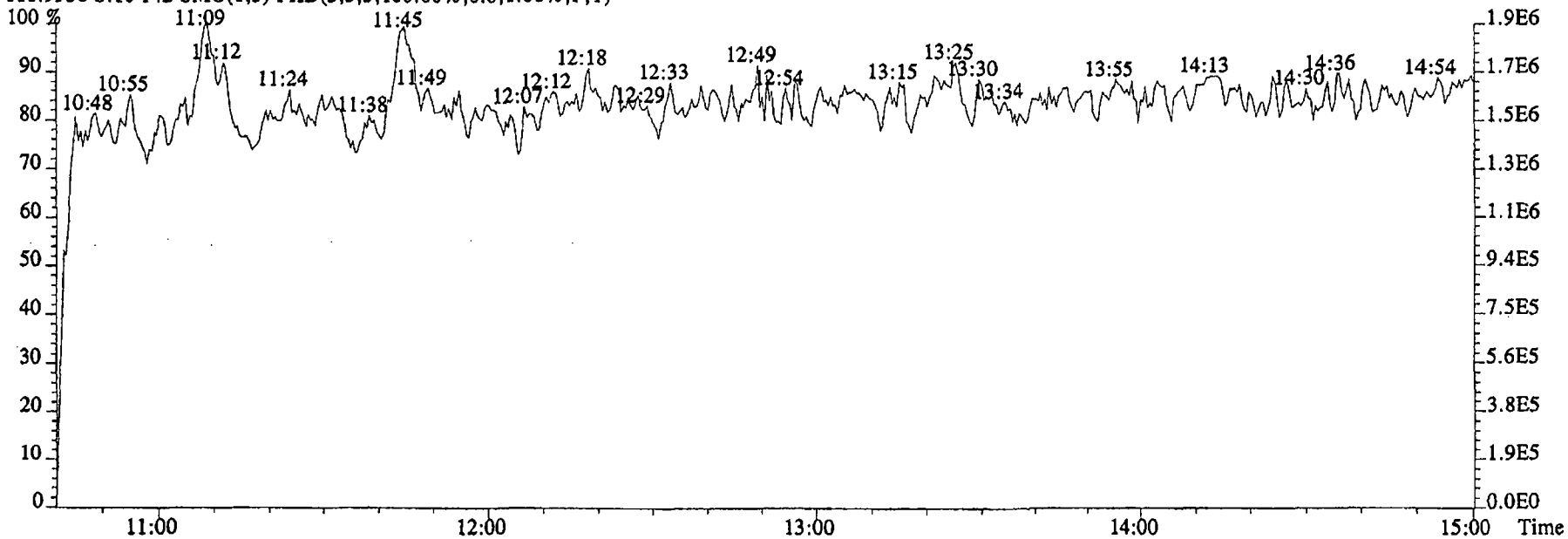
80.9952 S:10 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 16:35:02 GC EI+ Voltage SIR 70SE
Sample#10 Text:G1NWF-1-ACC :G4L080479-1LCSRX Exp:NDMAVOA
118.9920 S:10 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:10 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

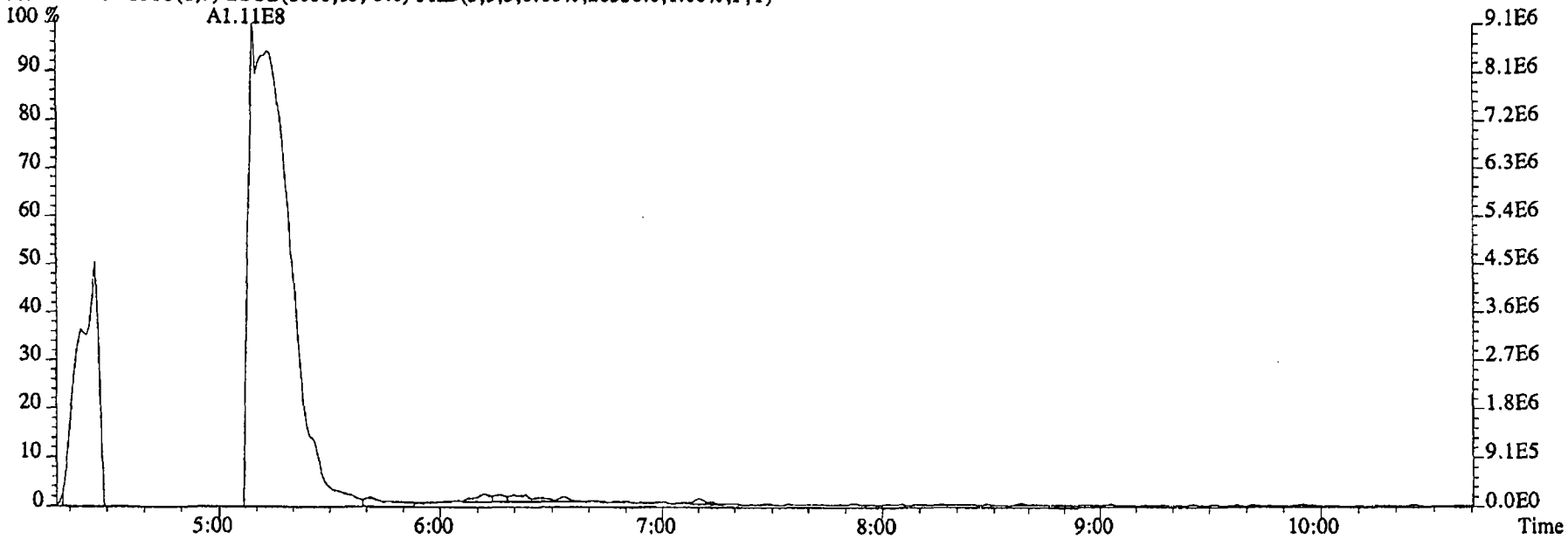


Run text: G0K68-2-AC Sample text: G0K68-2-AC :G4L080479-1RX
Run #10 Filename: 29DE045SP S: 11 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 16:55:26 Processed: 29-DEC-04 21:42:53
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.974 L

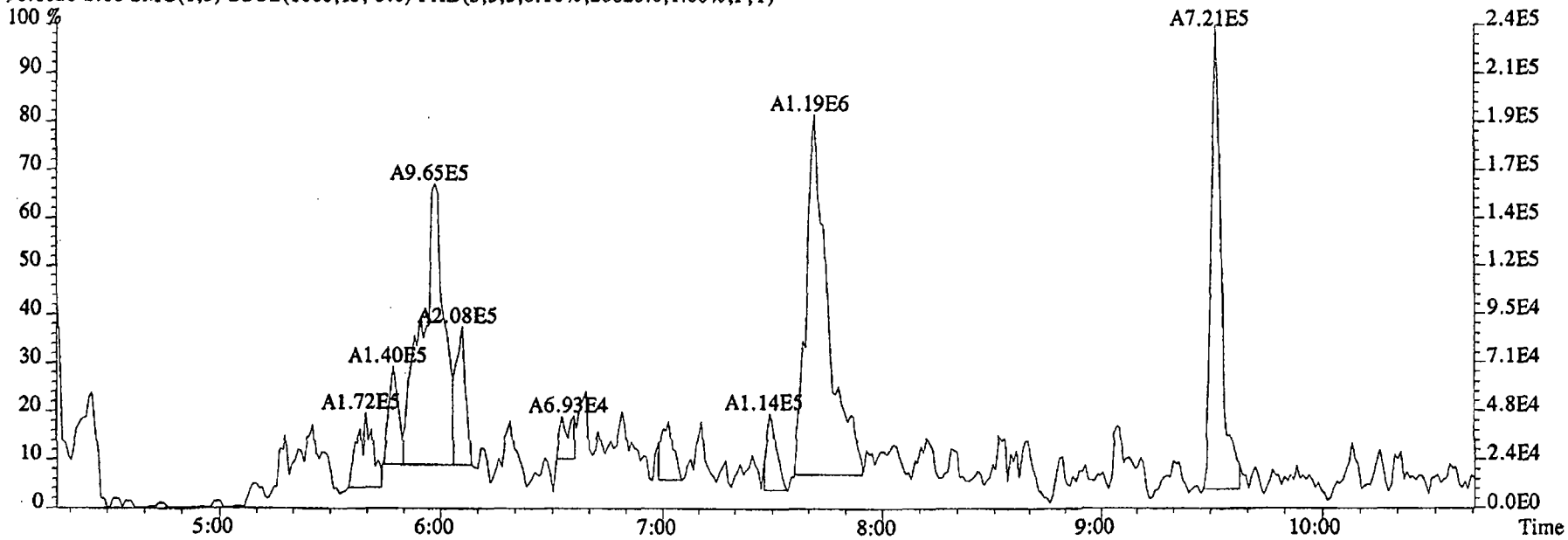
Name	Resp	RA	RT	RRF	Conc	nc	EDL	Rec	M
2-Chloropyridine	84787400		11:08	-	468.52		-	-	n
D8-1,4-Dioxane	*		NotFnd	1.11	*		0.43	*	n
1,4-Dioxane	110918000		5:09	1.89	*		*	-	n
D5-123-TriChloroPropane	116304000		10:05	2.68	104.91		0.04	102.2	n
1,2,3-TriChloroPropane	430074		10:09	0.44	0.86		0.26	-	n
1,2,3-TriChloroPropane	954657		10:09	-	1.47		-	-	n
D6-NDMA	19875200		10:15	1.68	28.61		0.01	27.9	n
NDMA	511742		10:15	1.37	~~1.93~~	<2.0	2.03	-	n
2-Chloropyridine	262473000		11:08	-	458.25		-	-	n

12-30-04
U

File:29DE045SP #1-474 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA
88.0524 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,28356.0,1.00%,F,T)

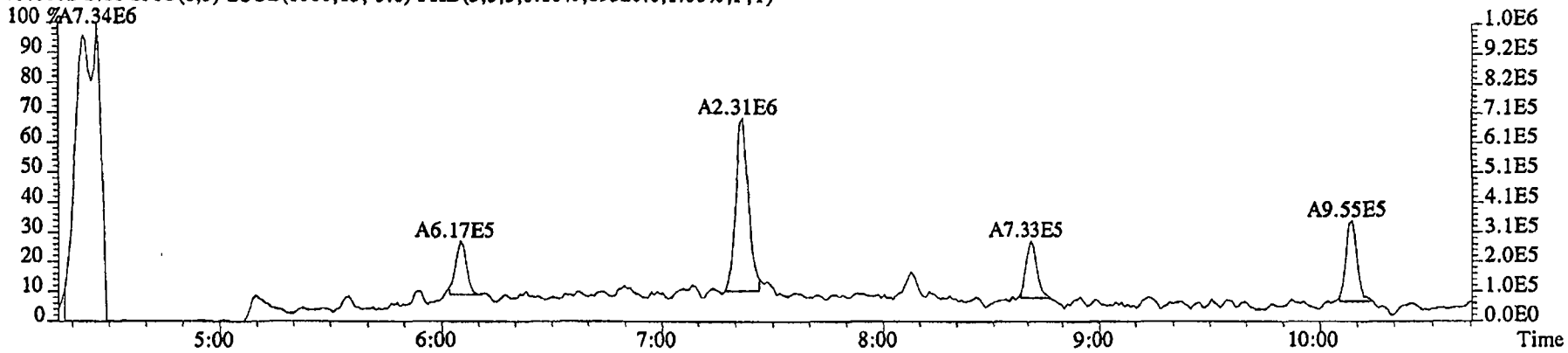


96.1026 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20820.0,1.00%,F,T)

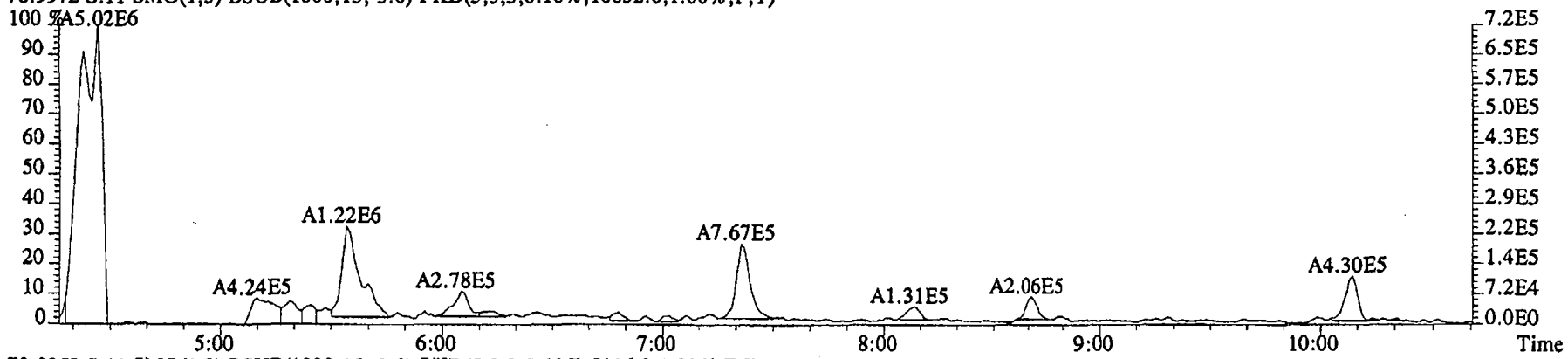


File:29DE045SP #1-474 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA

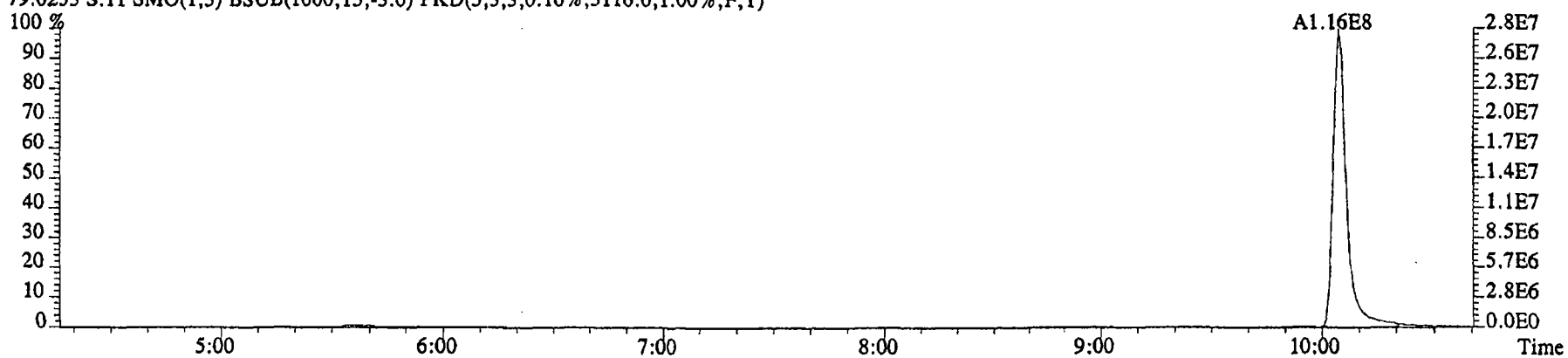
75.0002 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,89520.0,1.00%,F,T)



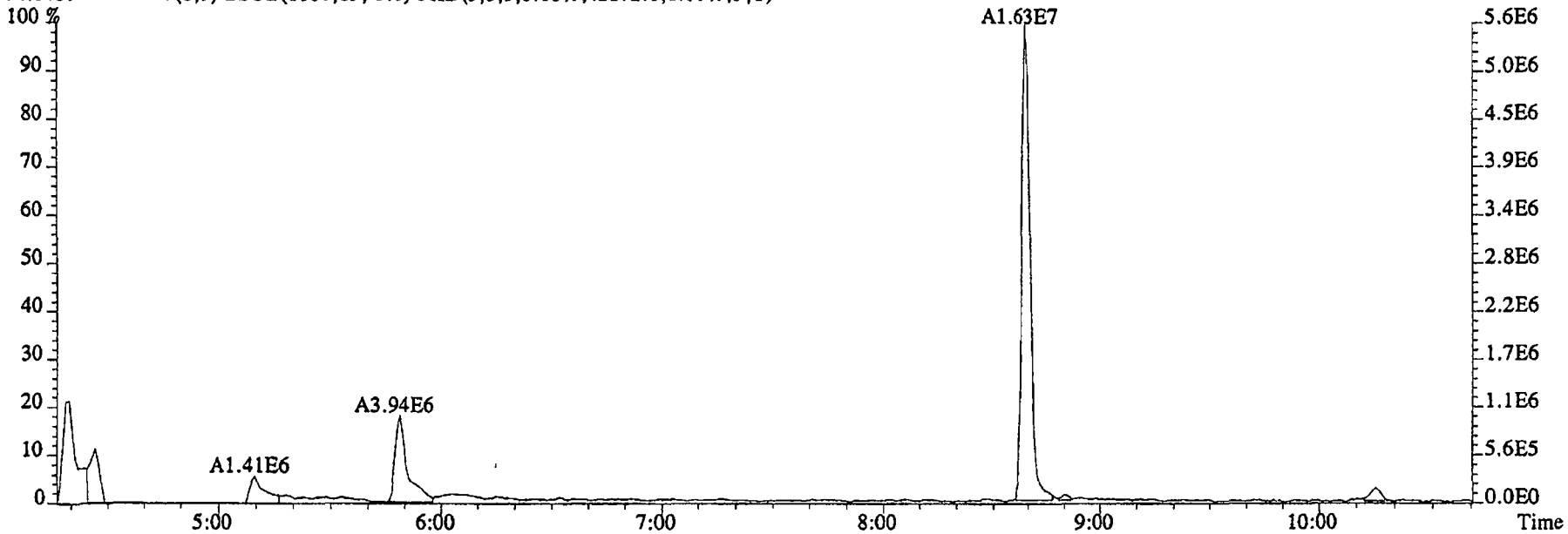
76.9972 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10632.0,1.00%,F,T)



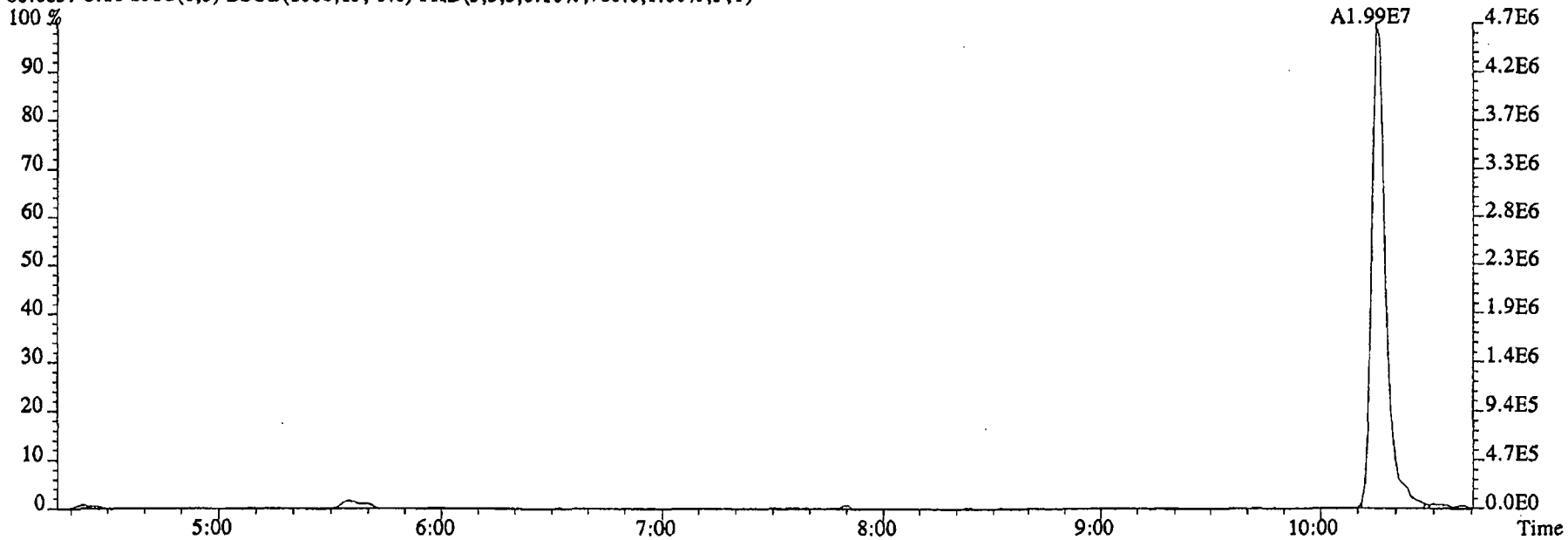
79.0253 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5116.0,1.00%,F,T)



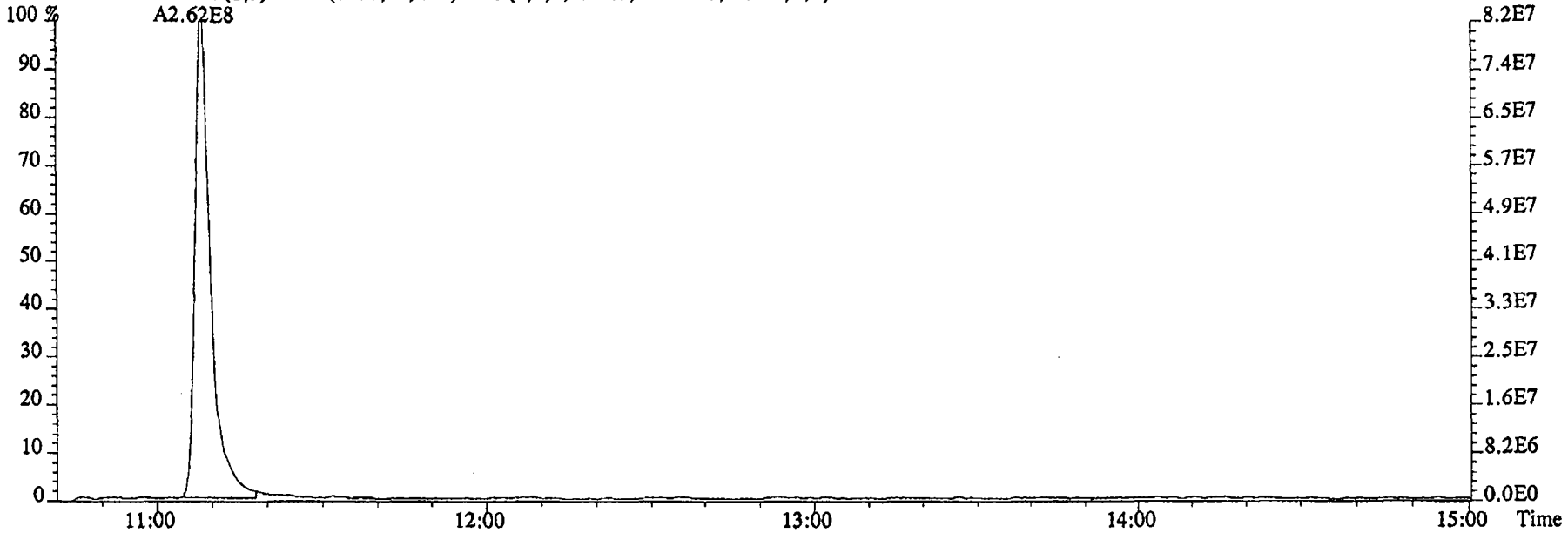
File:29DE045SP #1-474 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA
74.0480 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,42172.0,1.00%,F,T)



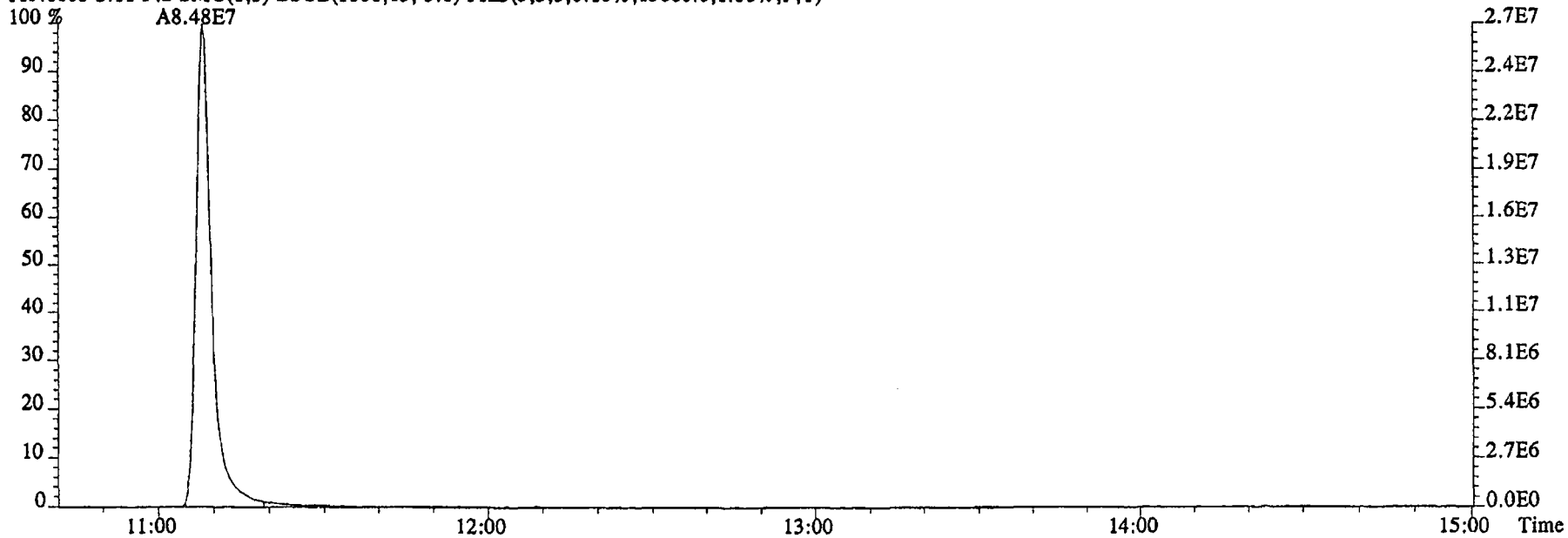
80.0857 S:11 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,780.0,1.00%,F,T)



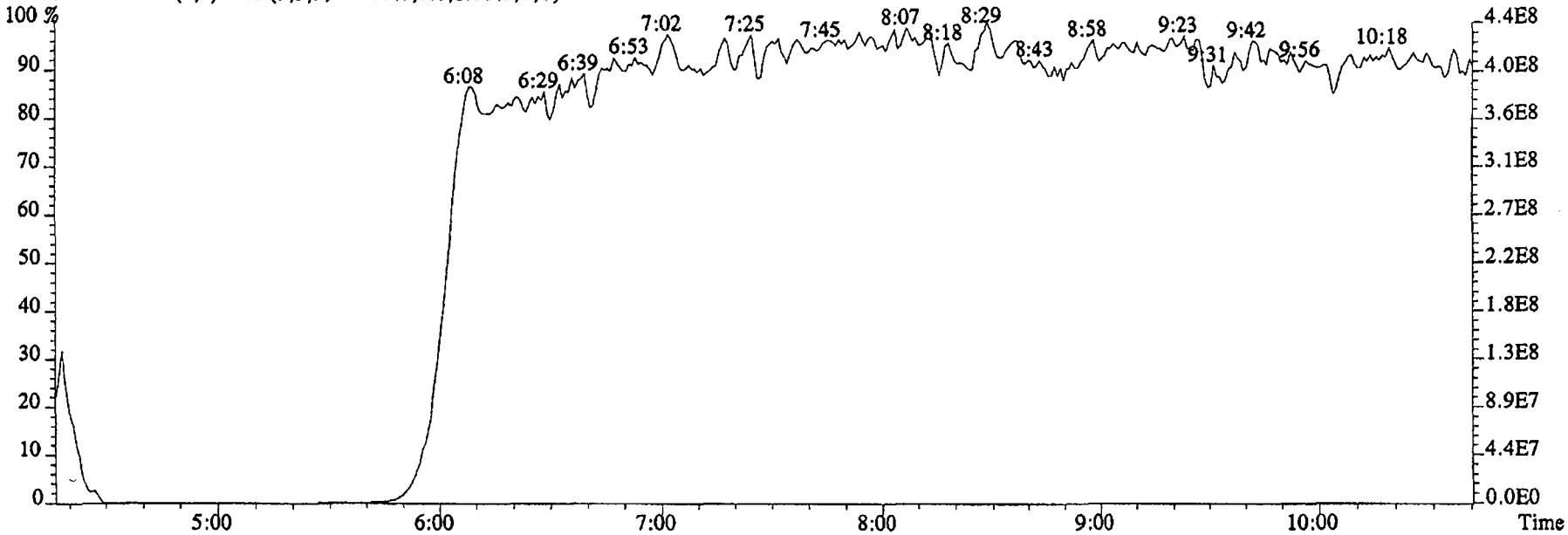
File:29DE045SP #1-603 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA
113.0032 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,630396.0,1.00%,F,T)



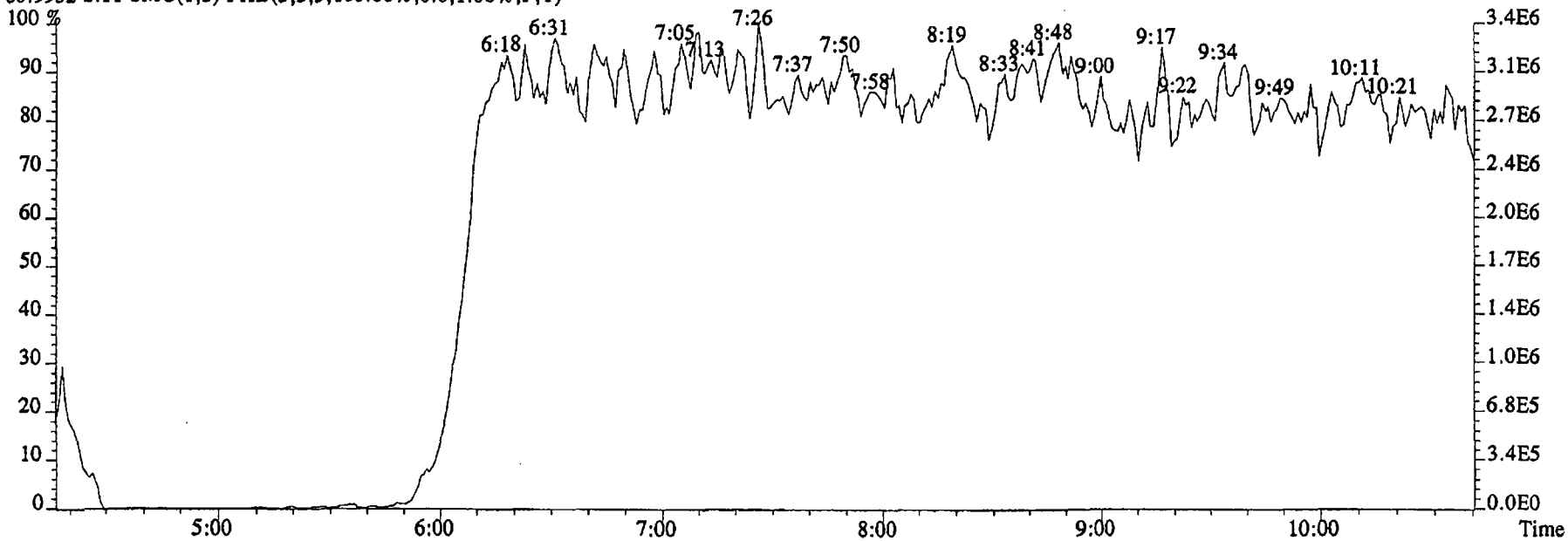
115.0003 S:11 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15660.0,1.00%,F,T)



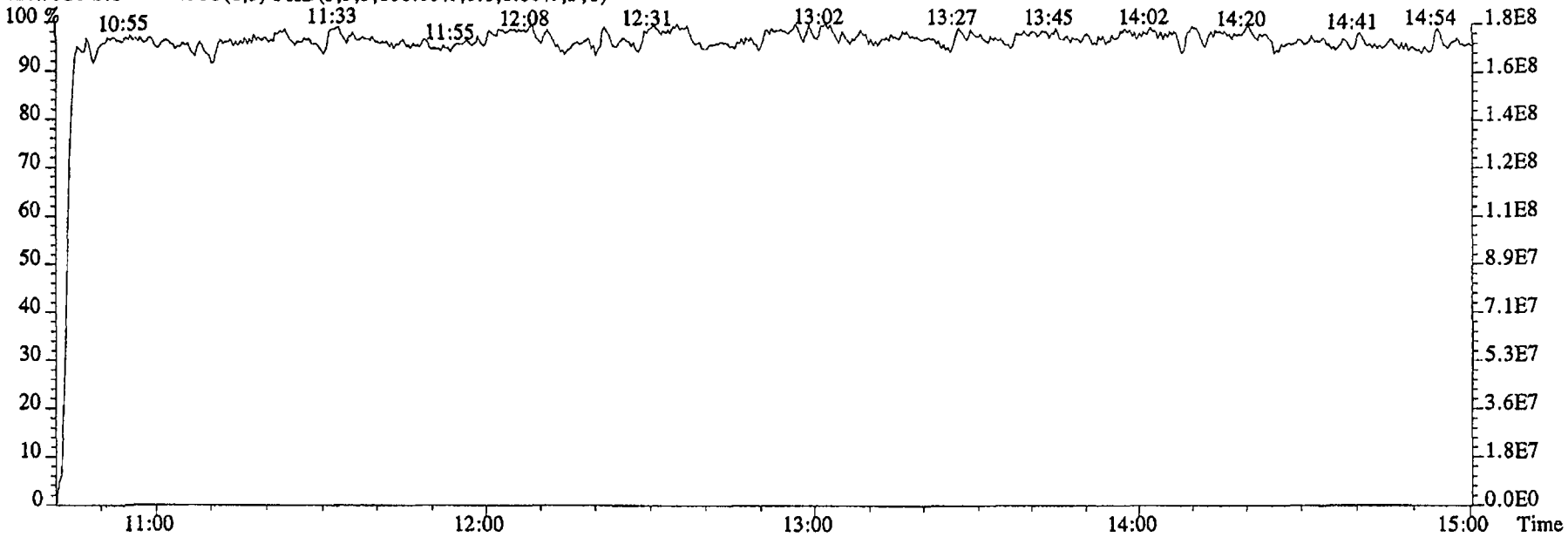
File:29DE045SP #1-474 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA
68.9952 S:11 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



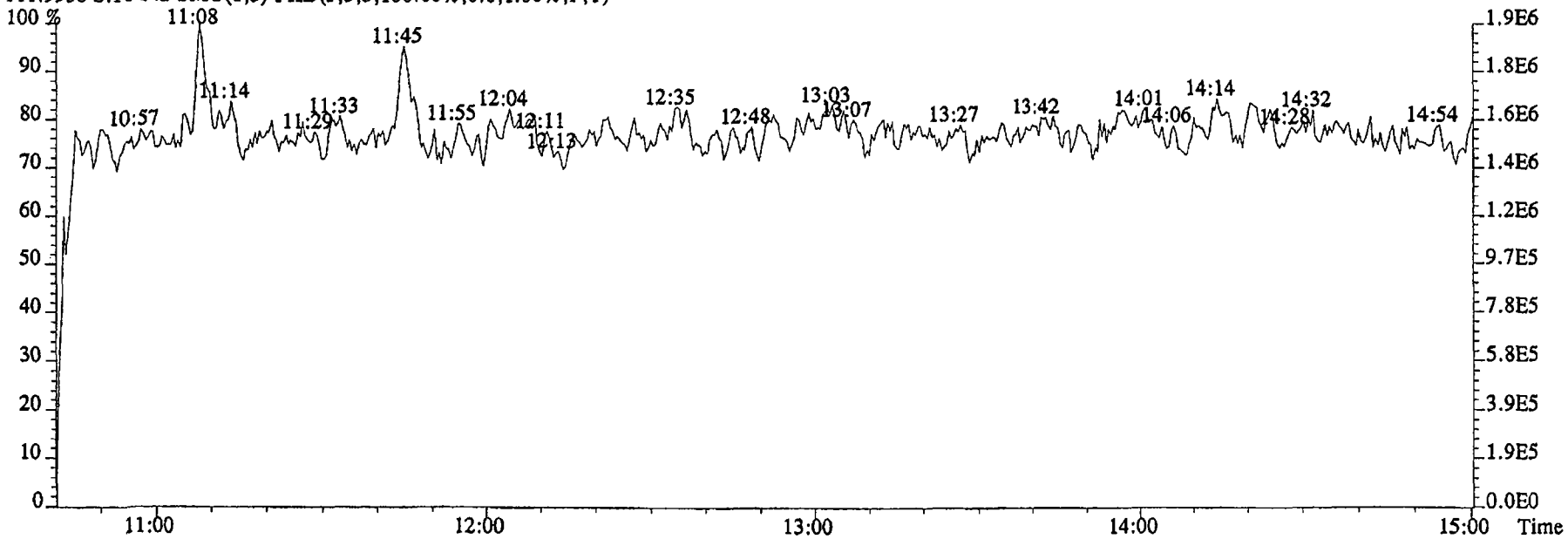
80.9952 S:11 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 16:55:26 GC EI+ Voltage SIR 70SE
Sample#11 Text:G0K68-2-AC :G4L080479-1RX Exp:NDMAVOA
118.9920 S:11 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:11 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K69-2-AC Sample text: G0K69-2-AC :G4L080479-2RX
Run #11 Filename: 29DE045SP S: 12 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 17:15:52 Processed: 29-DEC-04 21:42:53
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.972 L

Name	Resp	RA	RT	RRF	Conc		EDL	Rec	M
2-Chloropyridine	127329000		11:09	-	705.04		-	-	n
D8-1,4-Dioxane	*		NotFnd	1.11	*		1.16	*	n
1,4-Dioxane	*		NotFnd	1.89	*		*	-	n
D5-123-TriChloroPropane	163449000		10:06	2.68	98.38		0.06	95.6	n
1,2,3-TriChloroPropane	315809		10:09	0.44	0.45		0.32	-	n
1,2,3-TriChloroPropane	871732		10:09	-	1.35		-	-	n
D6-NDMA	32593600		10:17	1.68	31.31		0.03	30.4	n
NDMA	914218		10:17	1.37	2.11	=DL	2.07	-	y
2-Chloropyridine	392823000		11:09	-	687.25		-	-	n

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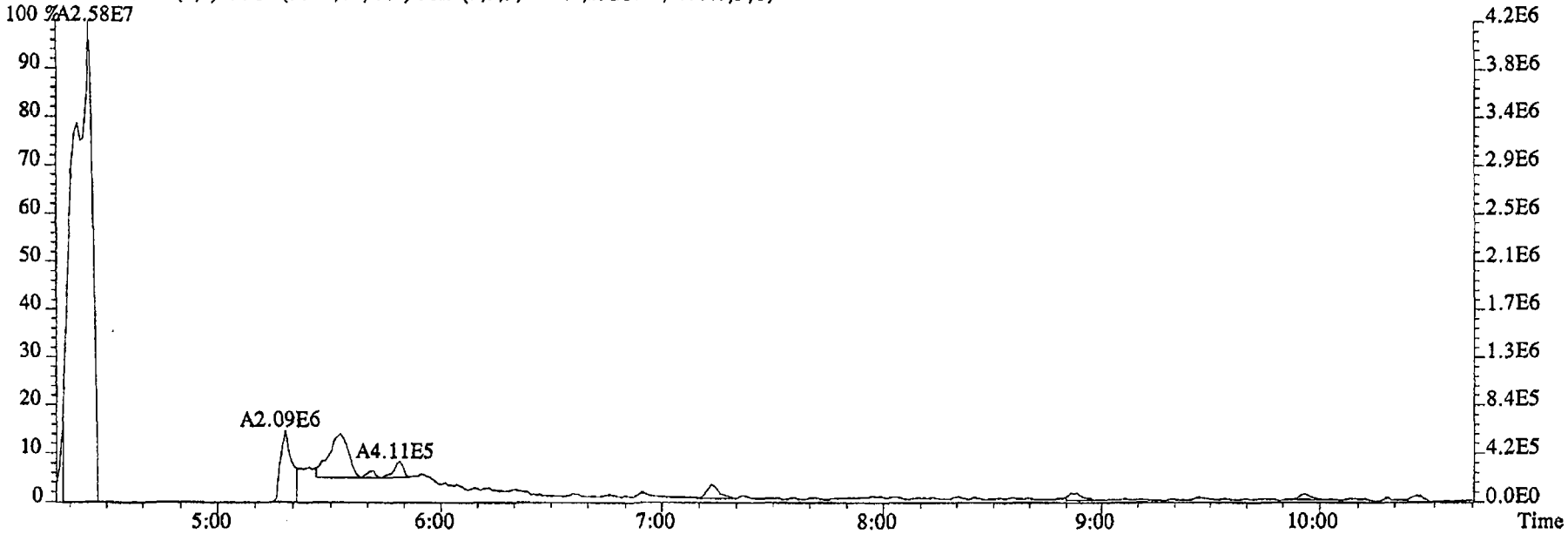
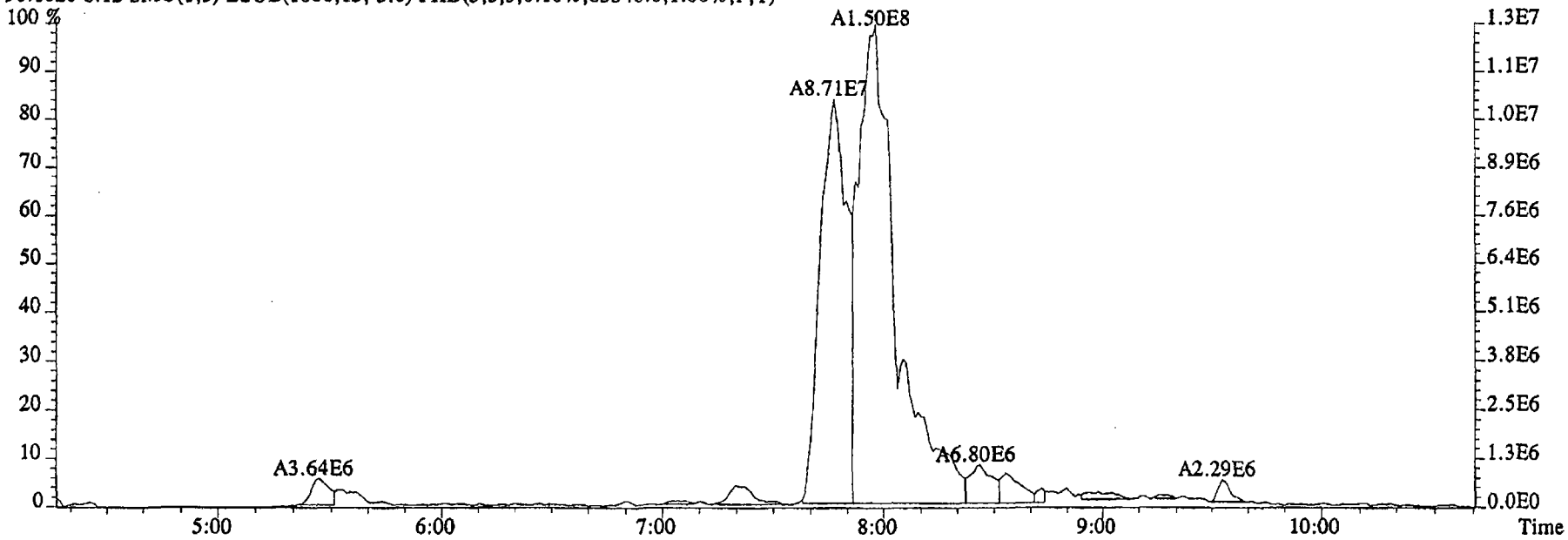
Run text: G0K69-2-AC Sample text: G0K69-2-AC :G4L080479-2RX
Run #11 Filename: 29DE045SP S: 12 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 17:15:52 Processed: 29-DEC-04 21:42:53
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.972 L

Name	Resp	RA	RT	RRF	Conc	EDL	Rec	M
2-Chloropyridine	127329000		11:09	-	705.04	-	-	n
D8-1,4-Dioxane	*		NotFnd	1.11	*	1.16	*	n
1,4-Dioxane	*		NotFnd	1.89	*	*	-	n
D5-123-TriChloroPropane	163449000		10:06	2.68	98.38	0.06	95.6	n
1,2,3-TriChloroPropane	315809		10:09	0.44	0.45	0.32	-	n
1,2,3-TriChloroPropane	871732		10:09	-	1.35	-	-	n
D6-NDMA	32593600		10:17	1.68	31.31	0.03	30.4	n
NDMA	1122010		10:17	1.37	2.59	2.07	-	n
2-Chloropyridine	392823000		11:09	-	687.25	-	-	n

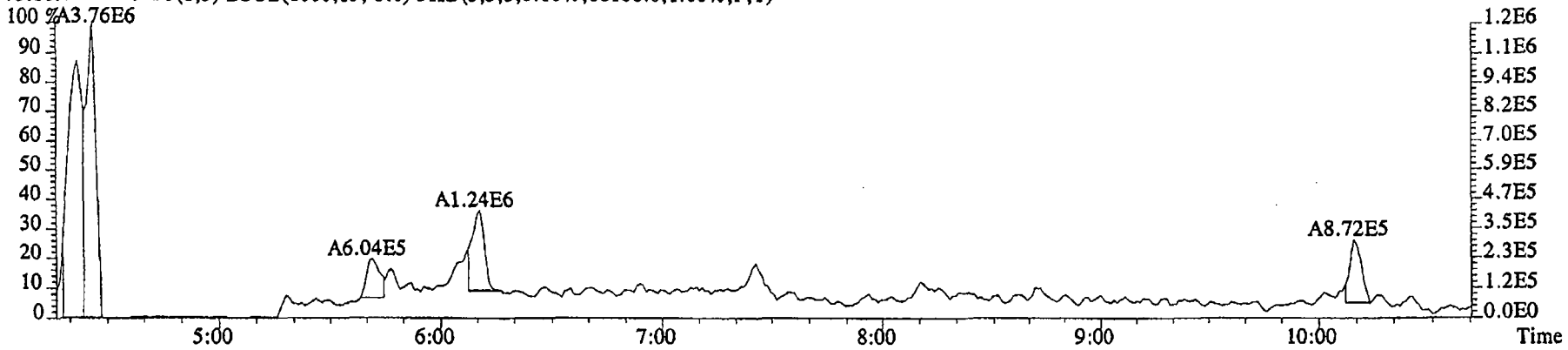
File:29DE045SP #1-474 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
88.0524 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29216.0,1.00%,F,T)



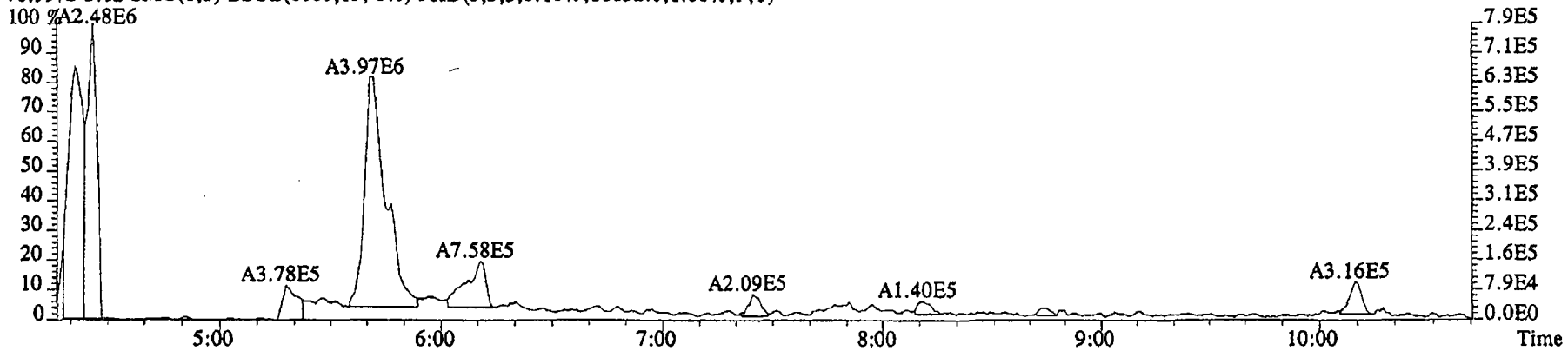
96.1026 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,83348.0,1.00%,F,T)



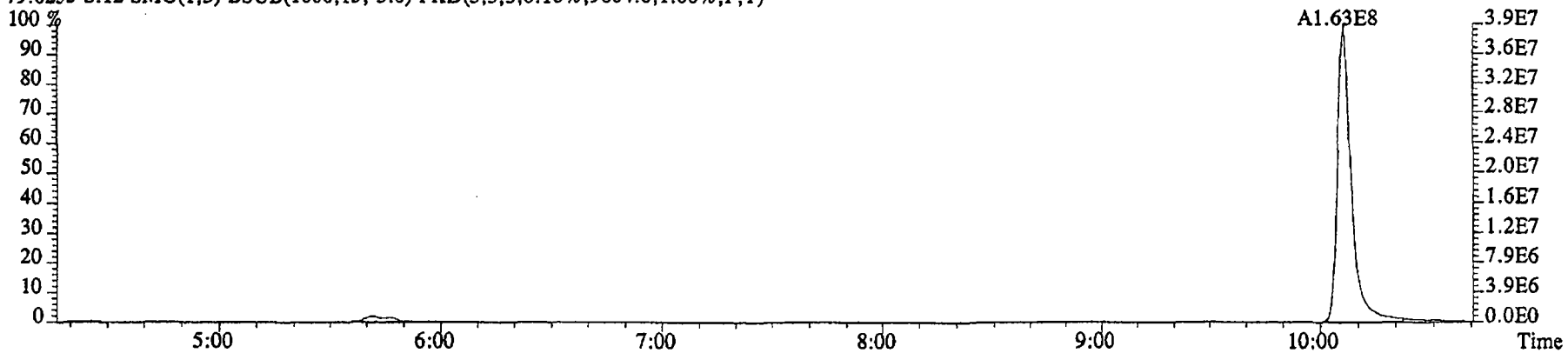
File:29DE045SP #1-474 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
75.0002 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,88168.0,1.00%,F,T)



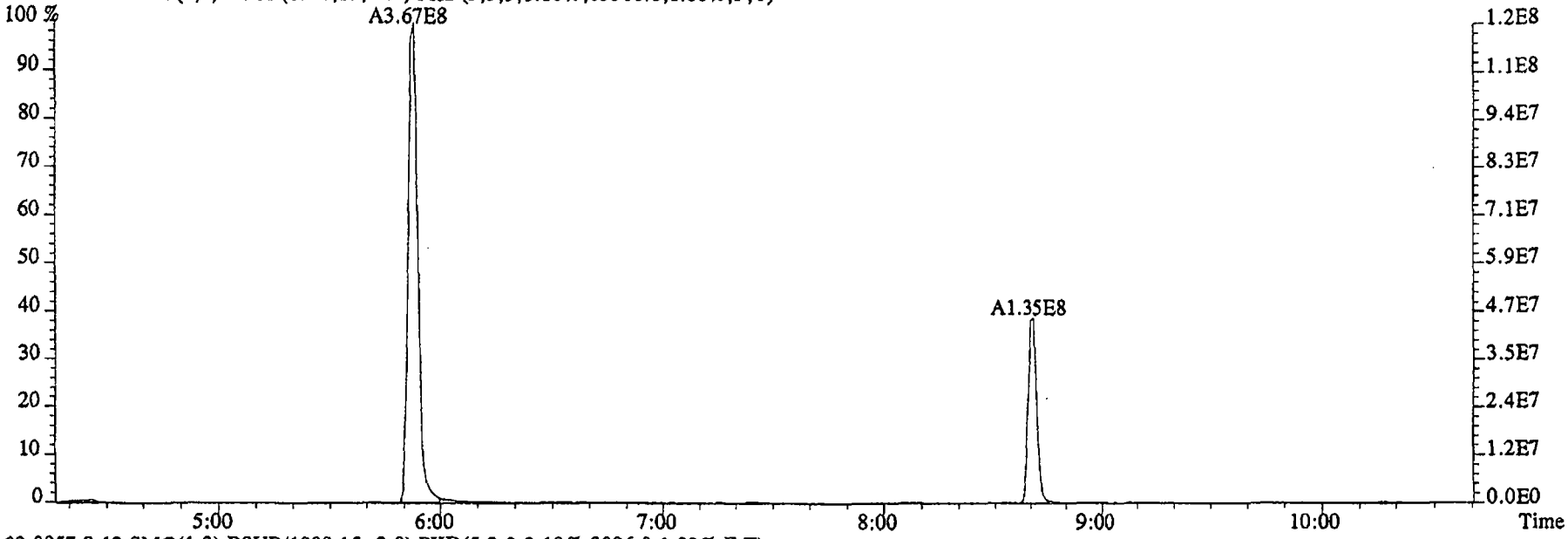
76.9972 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18132.0,1.00%,F,T)



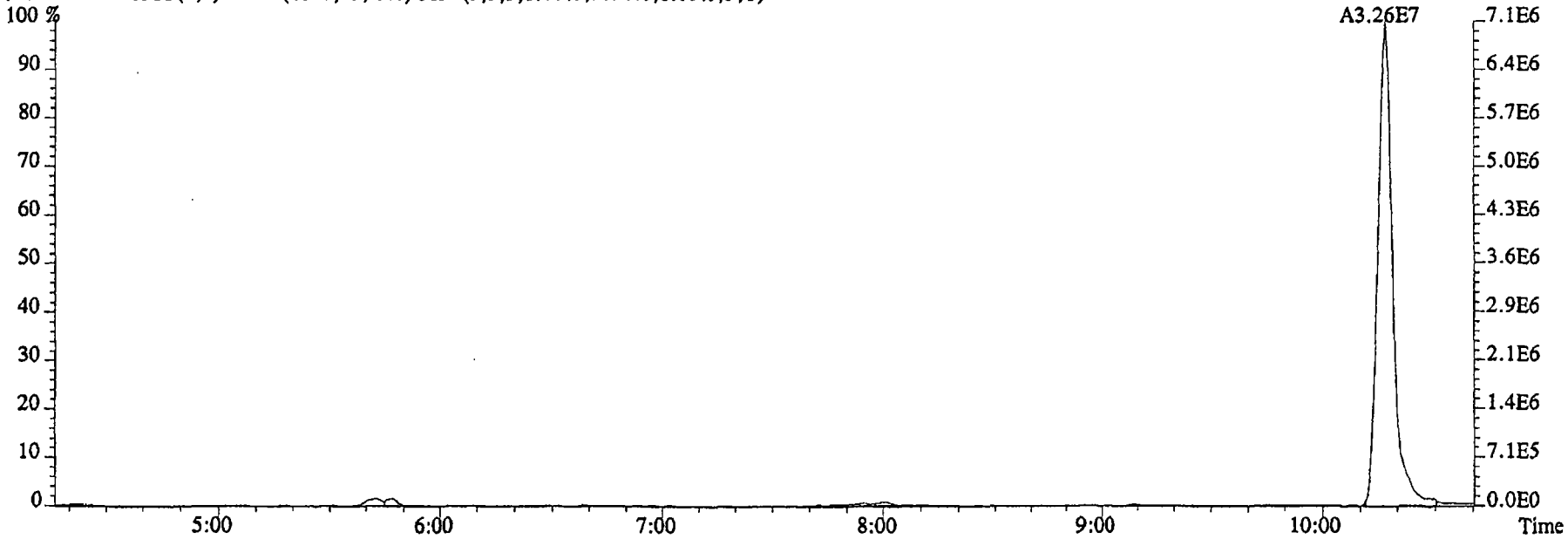
79.0253 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9804.0,1.00%,F,T)



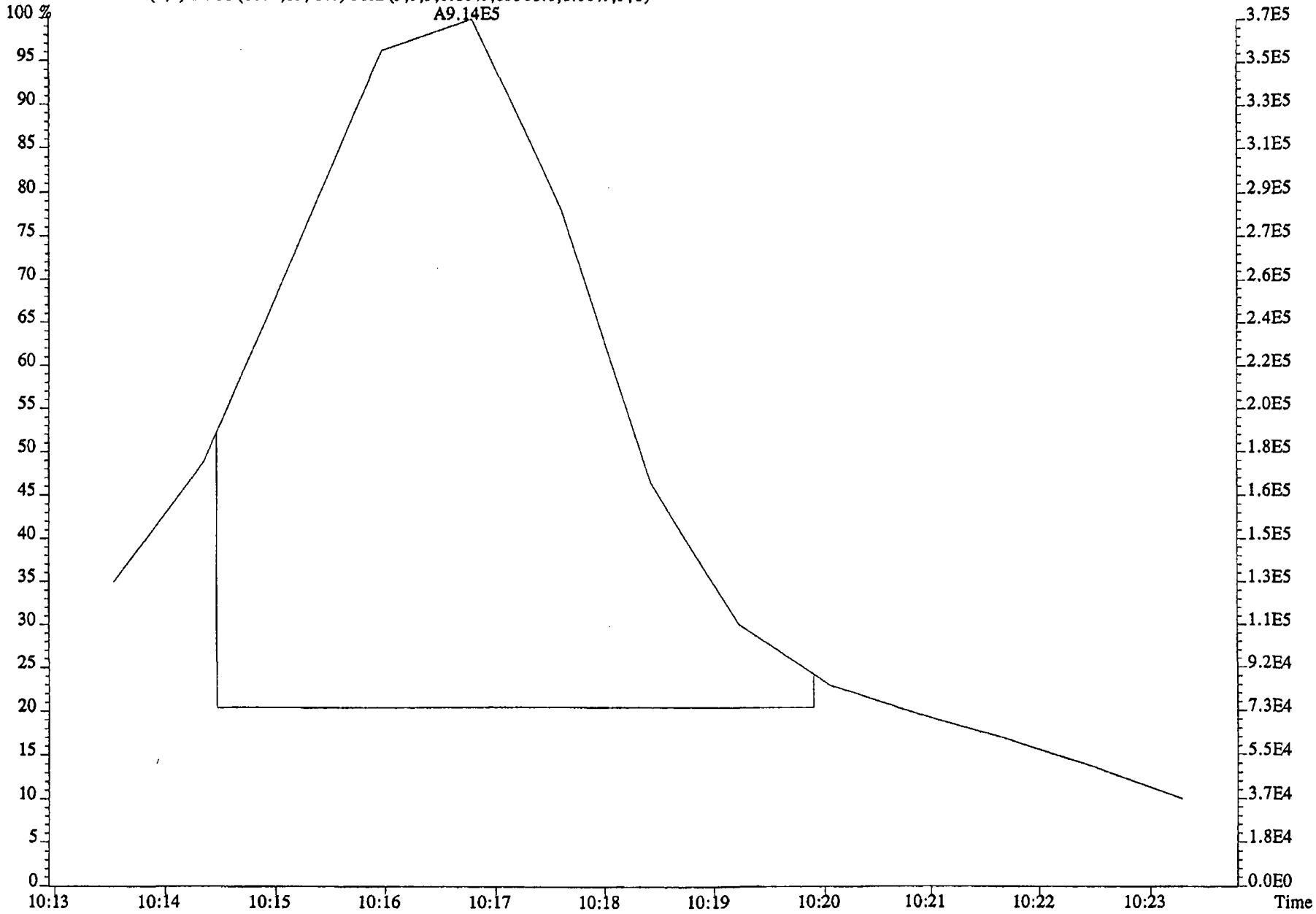
File:29DE045SP #1-474 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
74.0480 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,65568.0,1.00%,F,T)



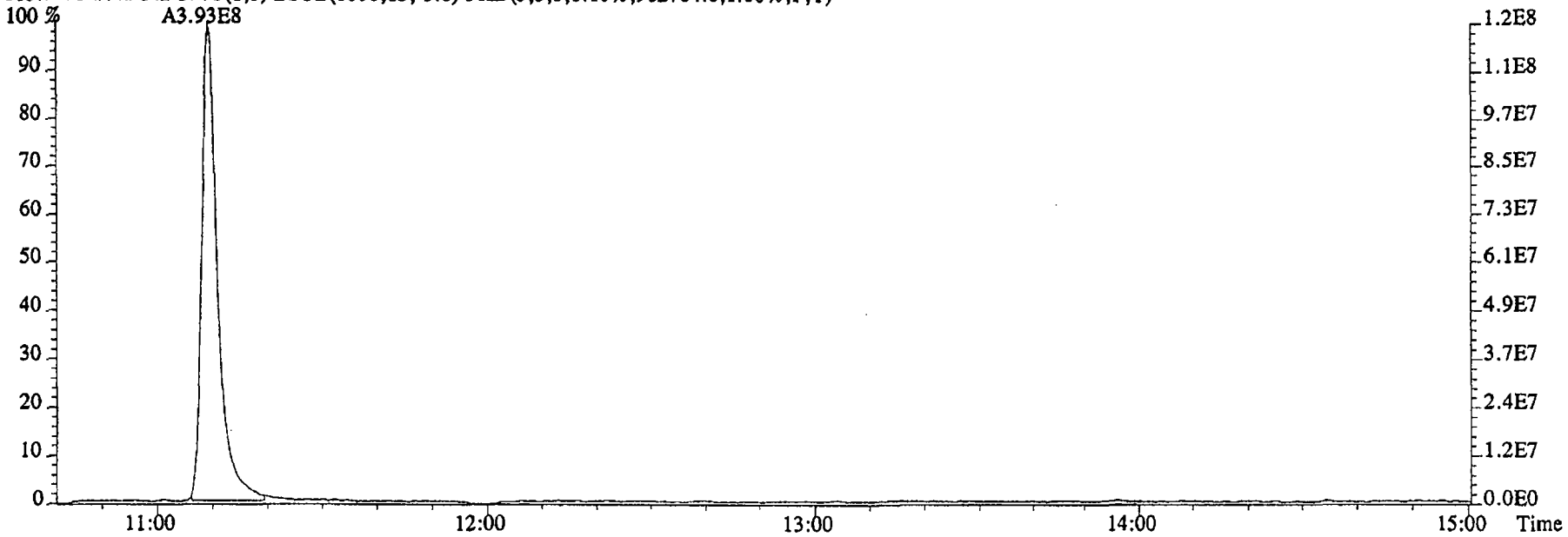
80.0857 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3096.0,1.00%,F,T)



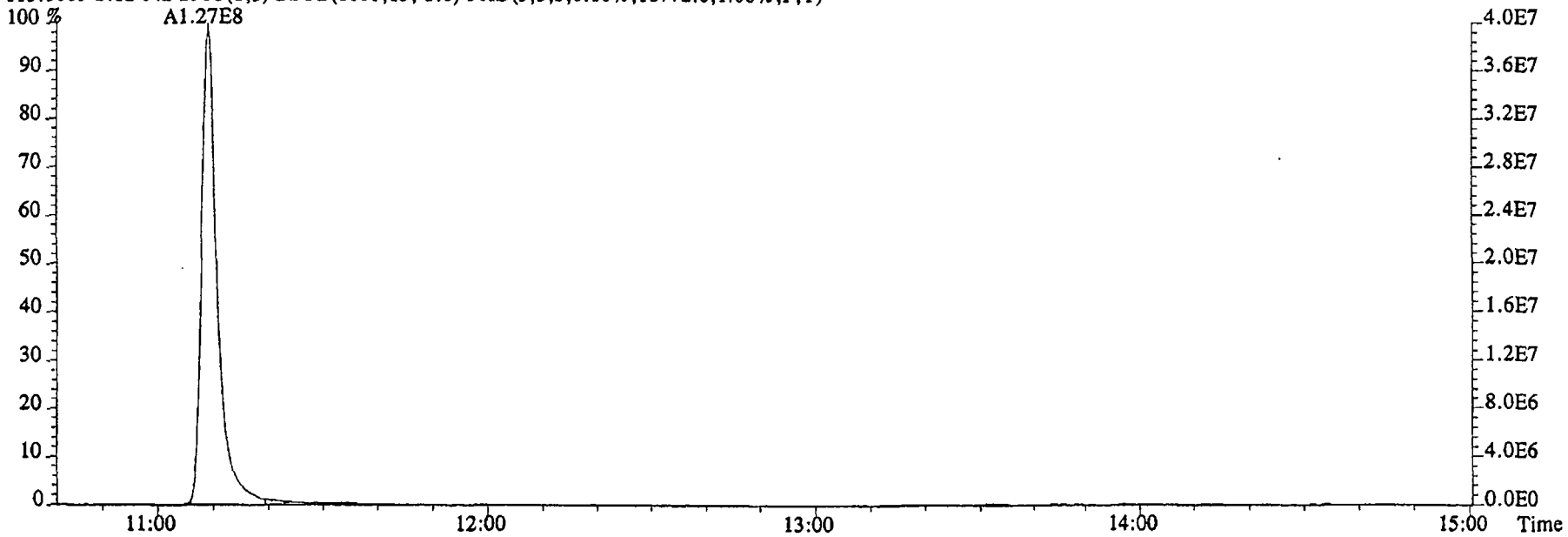
File:29DE045SP #1-474 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
74.0480 S:12 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,65568.0,1.00%,F,T)



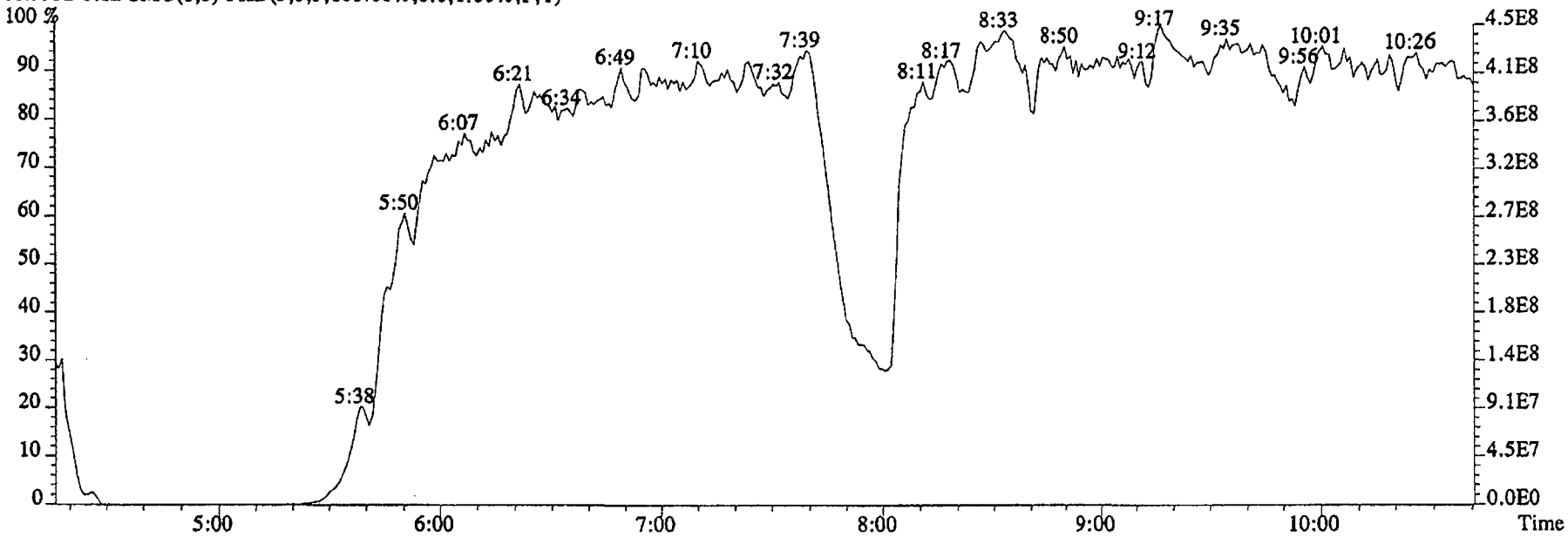
File:29DE045SP #1-603 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
113.0032 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,982764.0,1.00%,F,T)



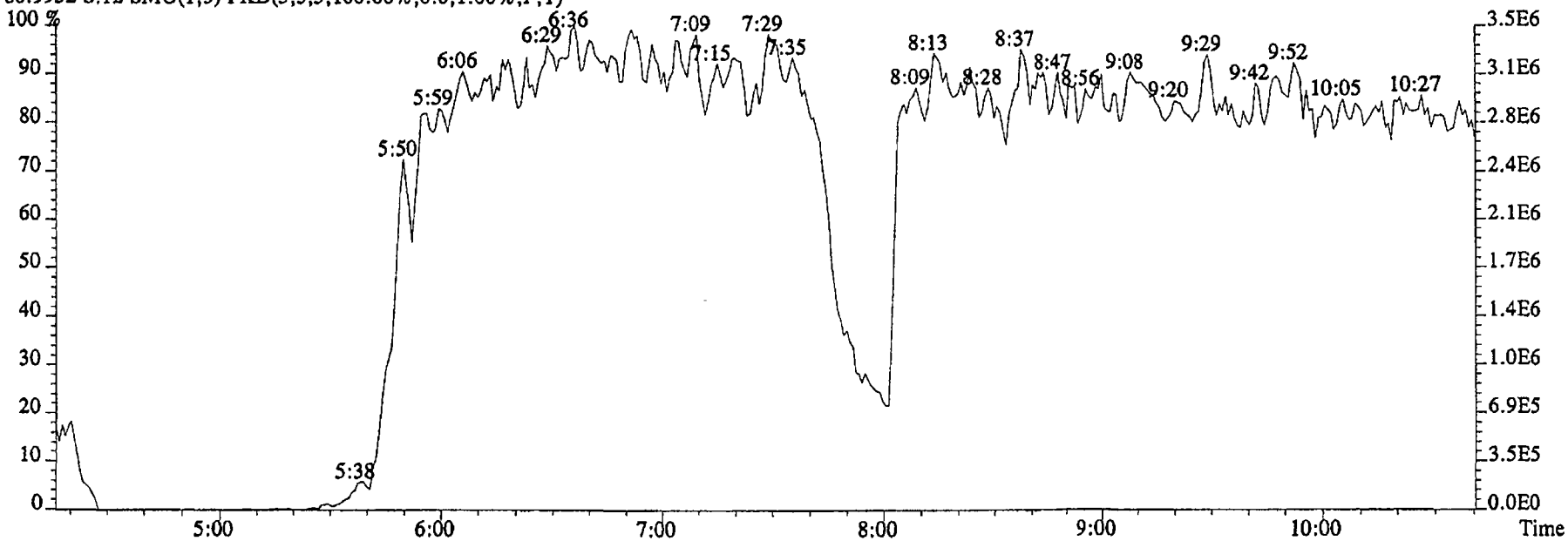
115.0003 S:12 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18772.0,1.00%,F,T)



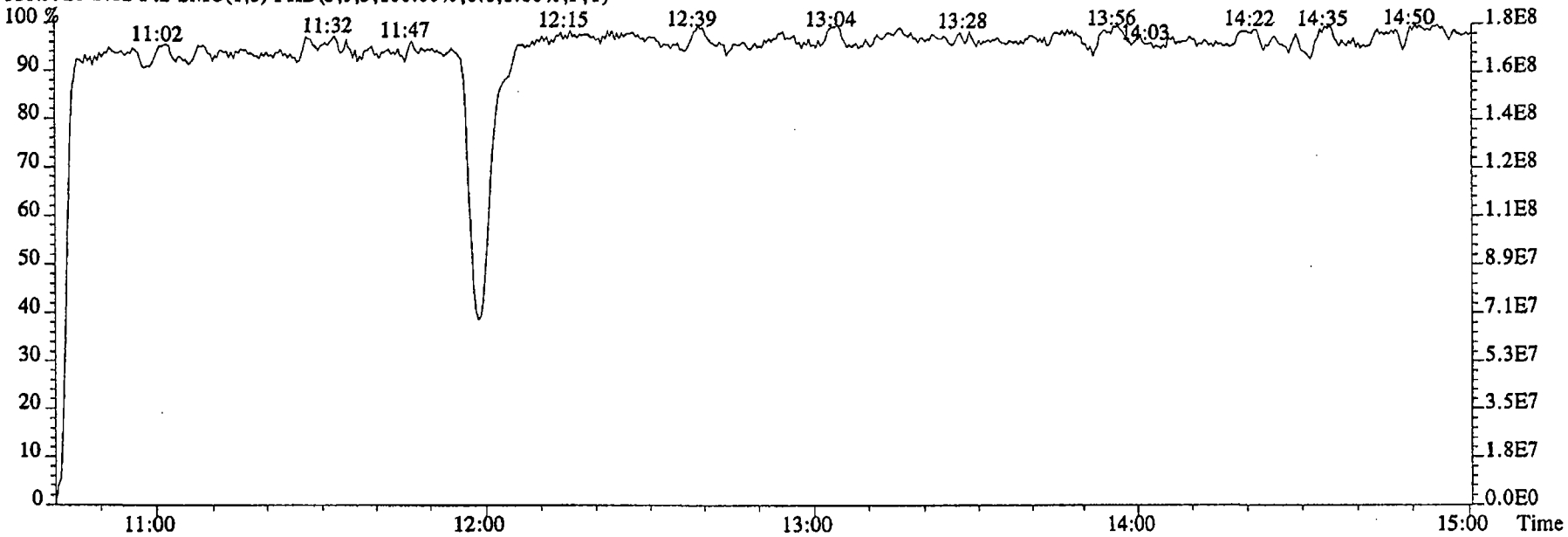
File:29DE045SP #1-474 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
68.9952 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



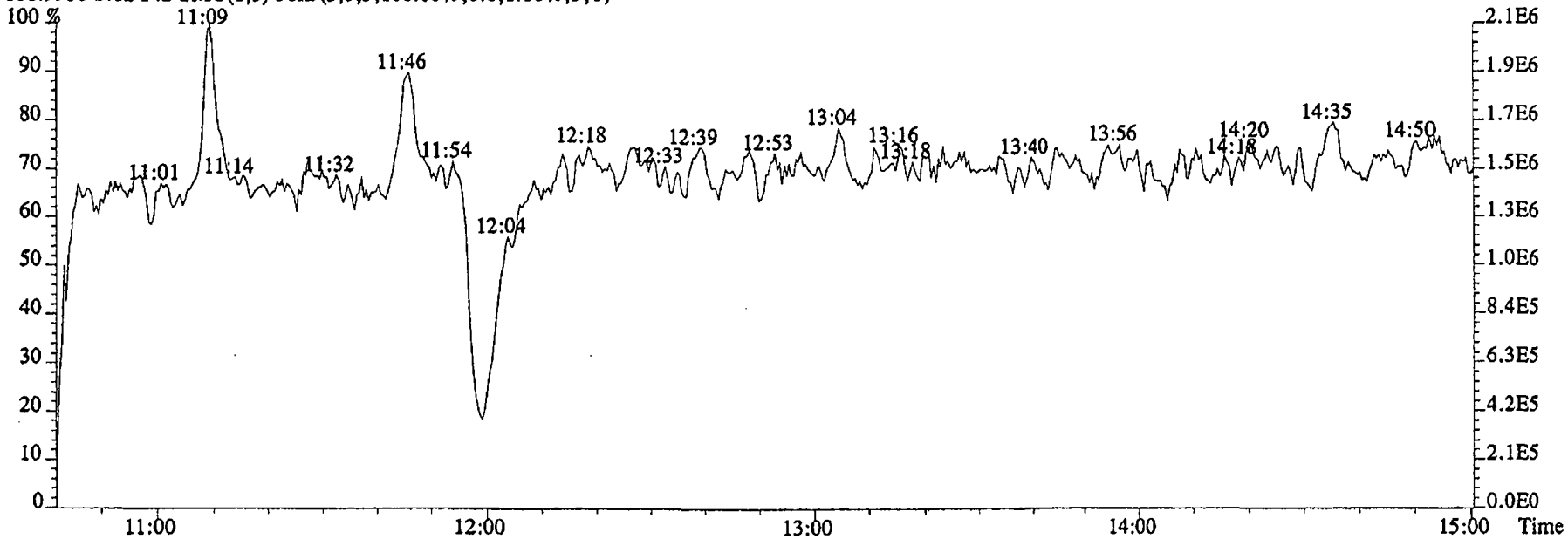
80.9952 S:12 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 17:15:52 GC EI+ Voltage SIR 70SE
Sample#12 Text:G0K69-2-AC :G4L080479-2RX Exp:NDMAVOA
118.9920 S:12 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:12 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Run text: G0K7A-2-AC Sample text: G0K7A-2-AC :G4L080479-3RX
Run #12 Filename: 29DE045SP S: 13 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 17:36:13 Processed: 29-DEC-04 21:42:54
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.652 L

Name	Resp	RA	RT	RRF	Conc	2u	EDL	Rec	M
2-Chloropyridine	90187900		11:07	-	744.48		-	-	n
D8-1,4-Dioxane	1119960		5:04	1.11	3.43		1.73	0.2	n
1,4-Dioxane	2657570		5:02	1.89	1925.99		664.64	-	n
D5-123-TriChloroPropane	121800000		10:04	2.68	154.30		0.11	100.6	n
1,2,3-TriChloroPropane	1375290		10:07	0.44	3.95		0.42	-	n
1,2,3-TriChloroPropane	4372510		10:07	-	10.06		-	-	n
D6-NDMA	33265800		10:15	1.68	67.25		0.02	43.8	n
NDMA	189517		10:14	1.37	~~0.64~~	czu	~~2.32~~ 0.33	-	y
2-Chloropyridine	278980000		11:08	-	727.62		-	-	n

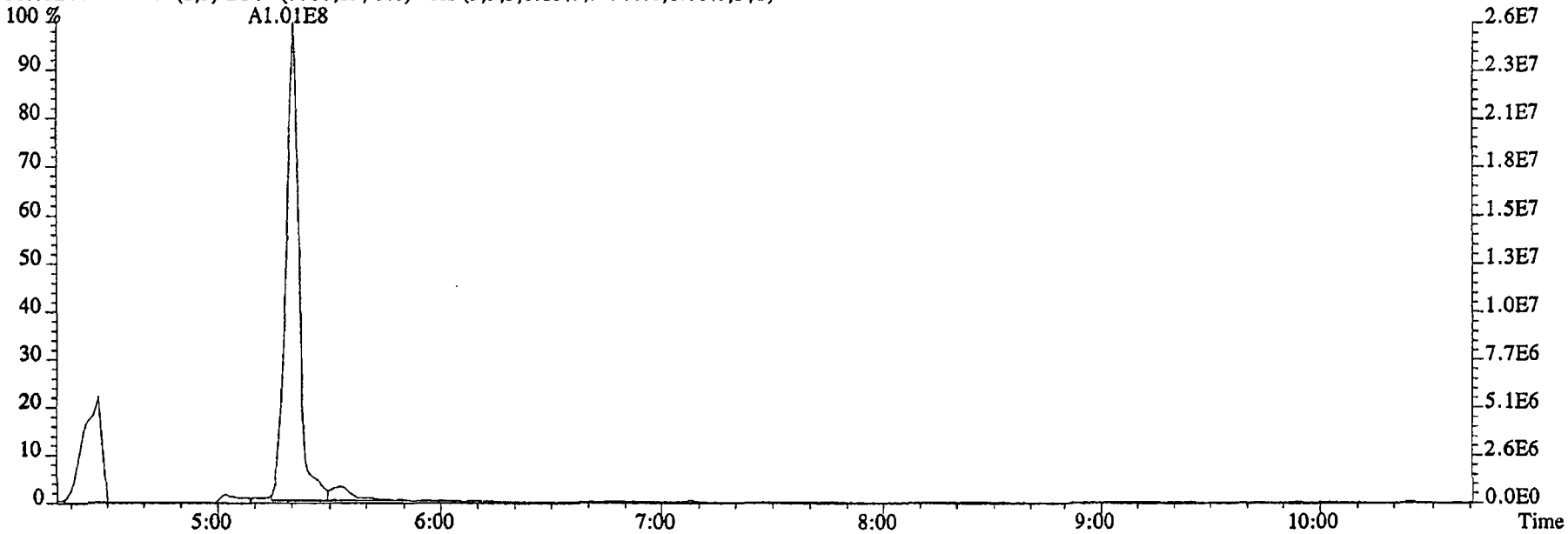
12-30-04
d

Run text: G0K7A-2-AC Sample text: G0K7A-2-AC :G4L080479-3RX
Run #12 Filename: 29DE045SP S: 13 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 17:36:13 Processed: 29-DEC-04 21:42:54
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.652 L

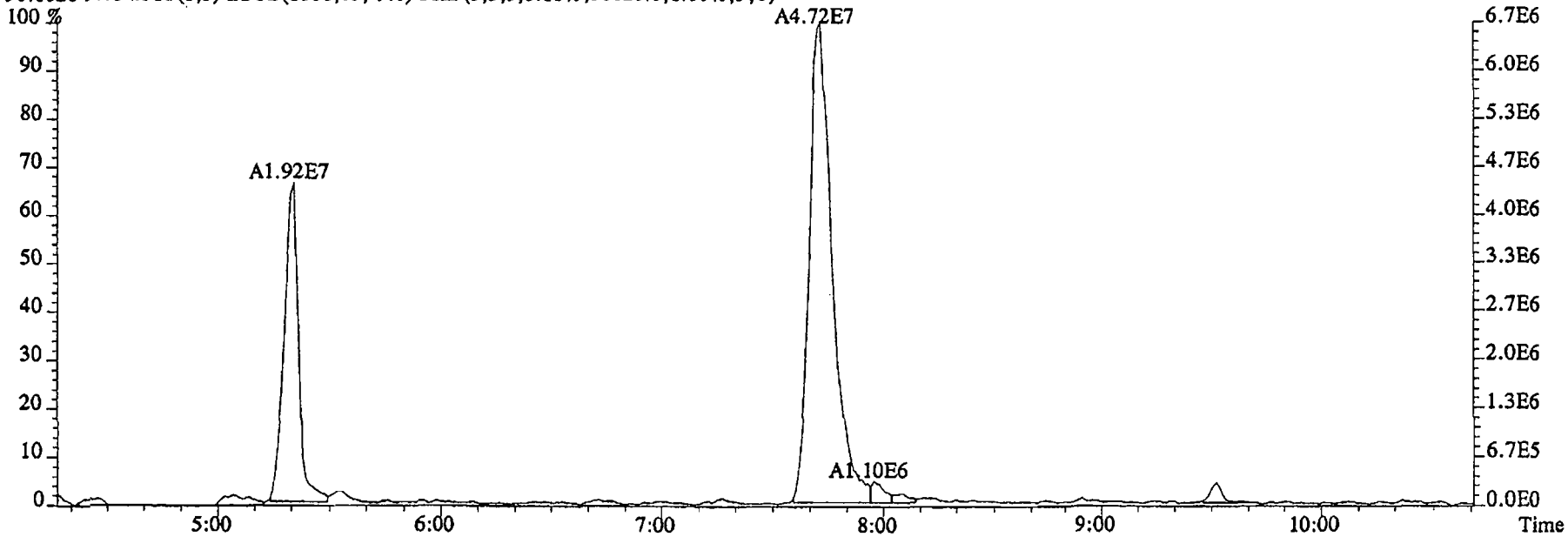
Name	Resp	RA	RT	RRF	Conc	m	EDL	Rec	M
2-Chloropyridine	90187900		11:07	-	744.48		-	-	n
D8-1,4-Dioxane	1119960		5:04	1.11	3.43		1.73	0.2	n
1,4-Dioxane	2657570		5:02	1.89	1925.99		664.64	-	n
D5-123-TriChloroPropane	121800000		10:04	2.68	154.30		0.11	100.6	n
1,2,3-TriChloroPropane	1375290		10:07	0.44	3.95		0.42	-	n
1,2,3-TriChloroPropane	4372510		10:07	-	10.06		-	-	n
D6-NDMA	33265800		10:15	1.68	67.25		0.02	43.8	n
NDMA	*		NotFnd	1.37	*	<2.0	~~2.32~~ 0.33	-	n
2-Chloropyridine	278980000		11:08	-	727.62		-	-	n

12-30-04
G

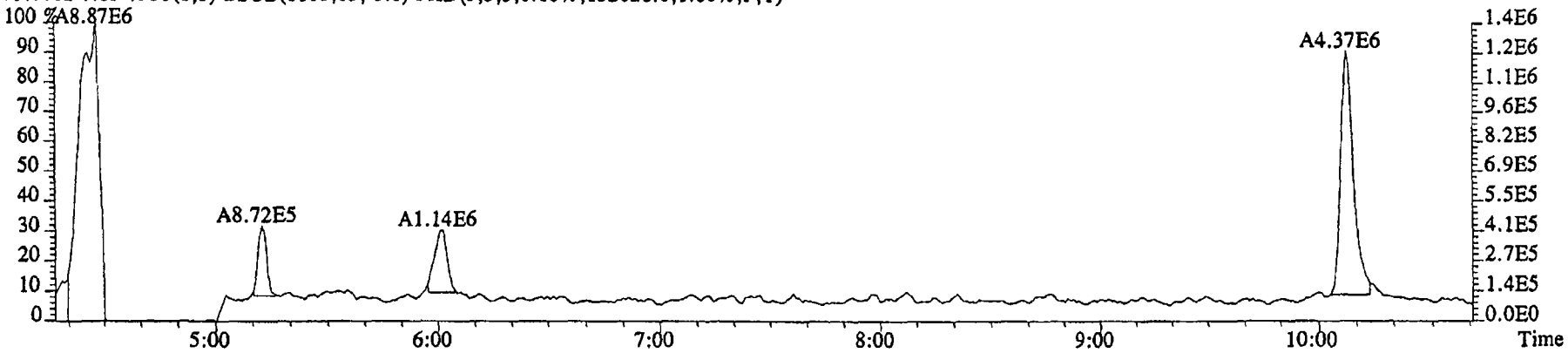
File:29DE045SP #1-474 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
88.0524 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35960.0,1.00%,F,T)



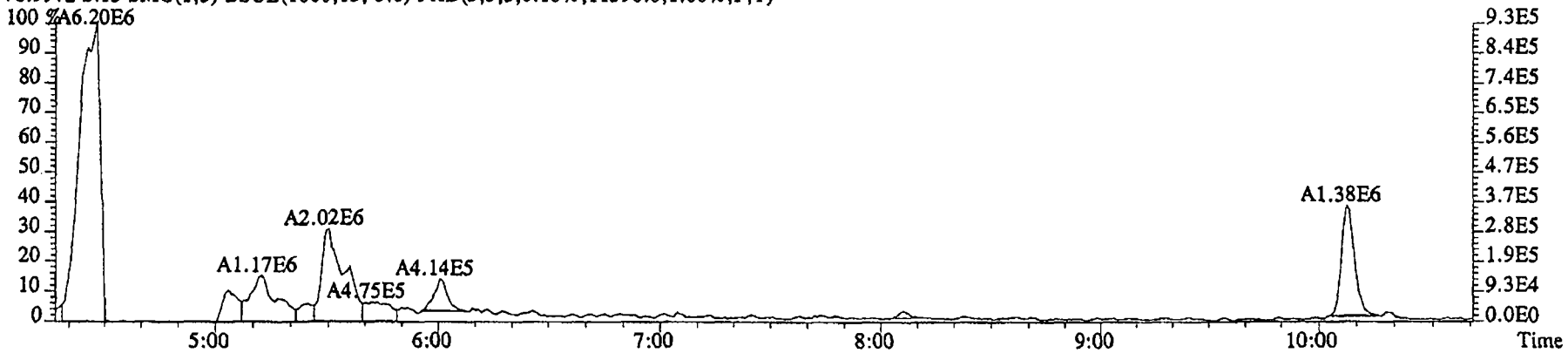
96.1026 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,58120.0,1.00%,F,T)



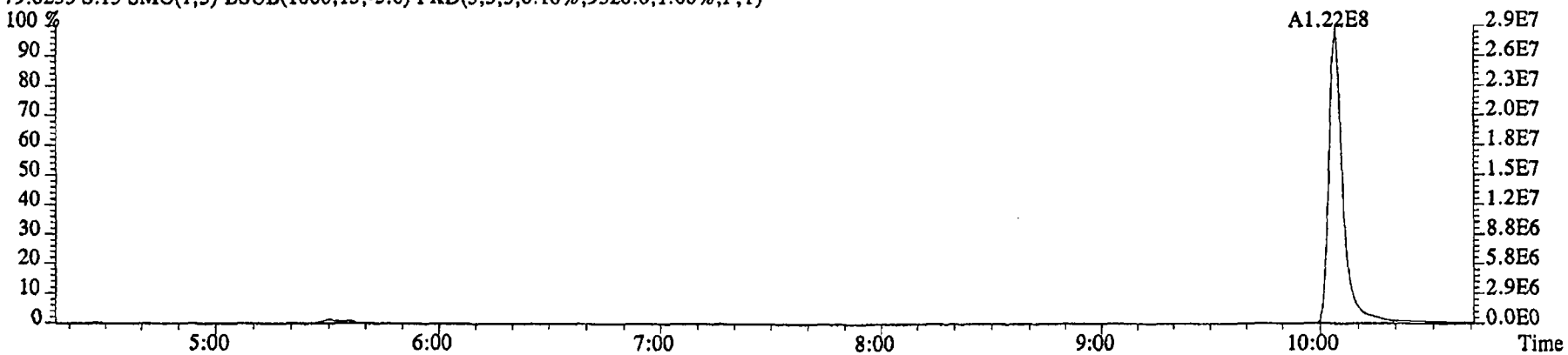
File:29DE045SP #1-474 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
75.0002 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,152028.0,1.00%,F,T)



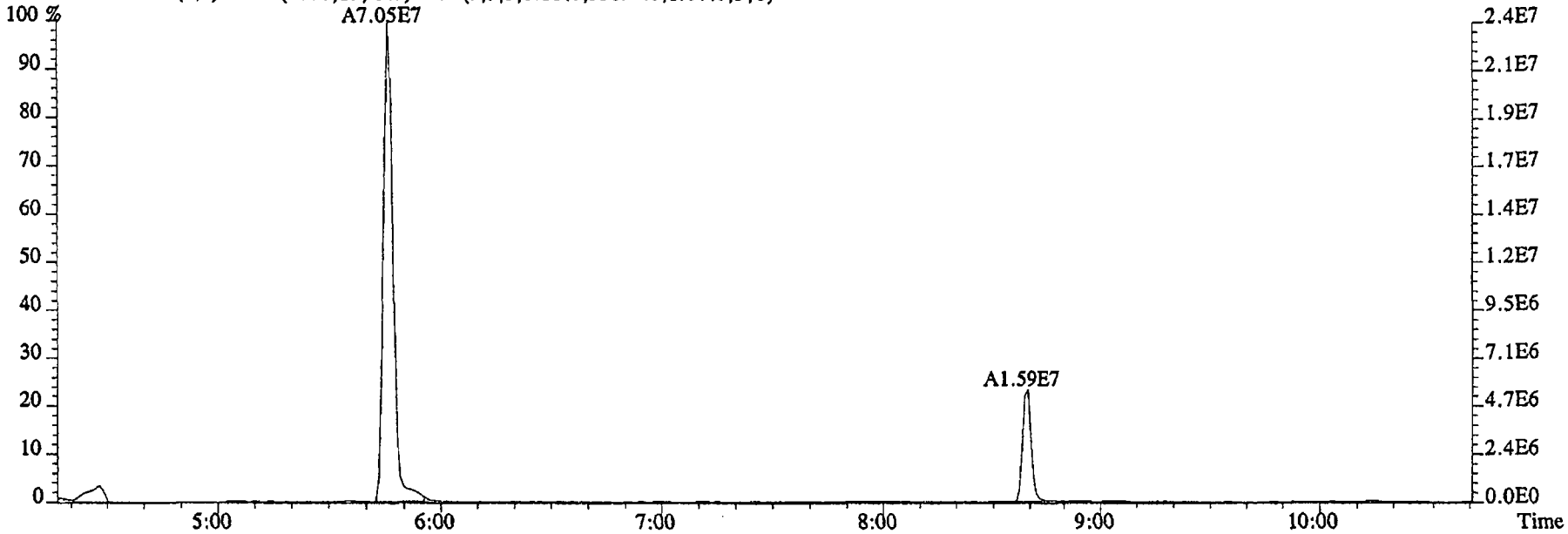
76.9972 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11596.0,1.00%,F,T)



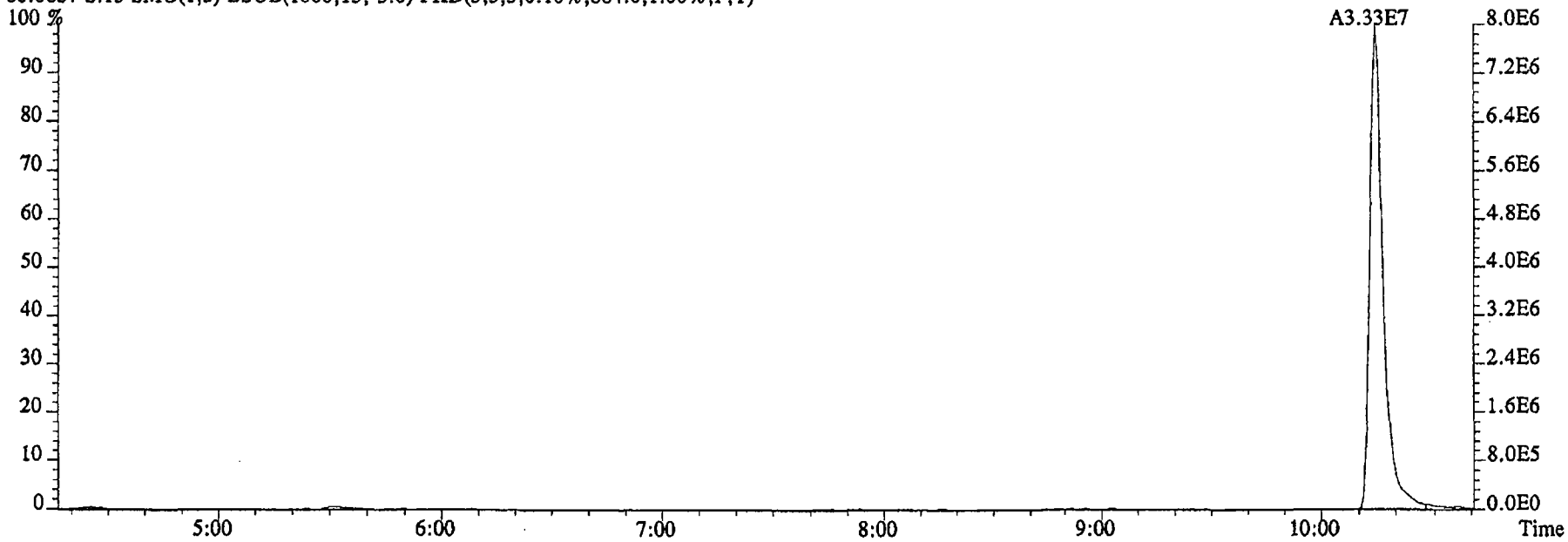
79.0253 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9320.0,1.00%,F,T)



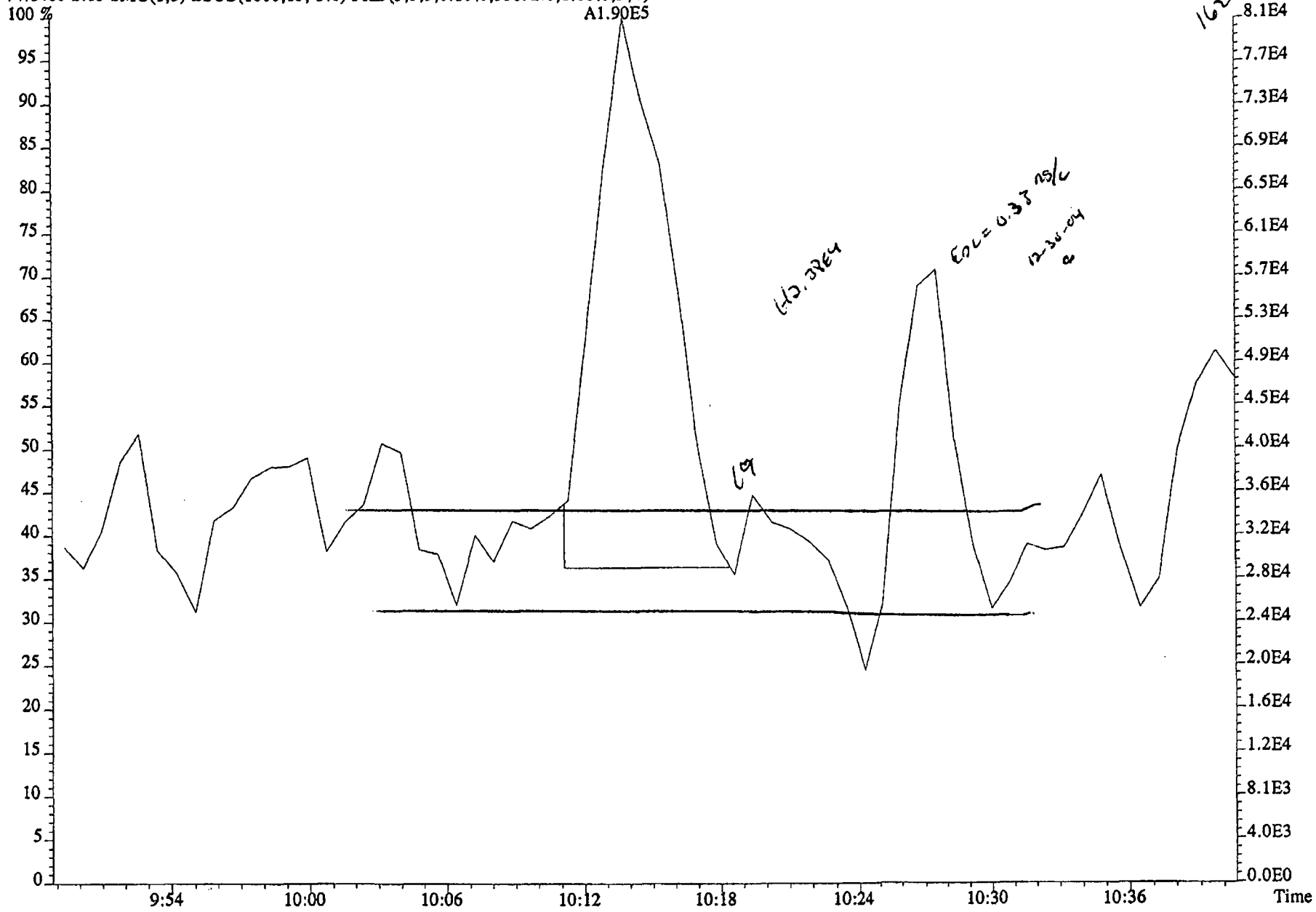
File:29DE045SP #1-474 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
74.0480 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55092.0,1.00%,F,T)



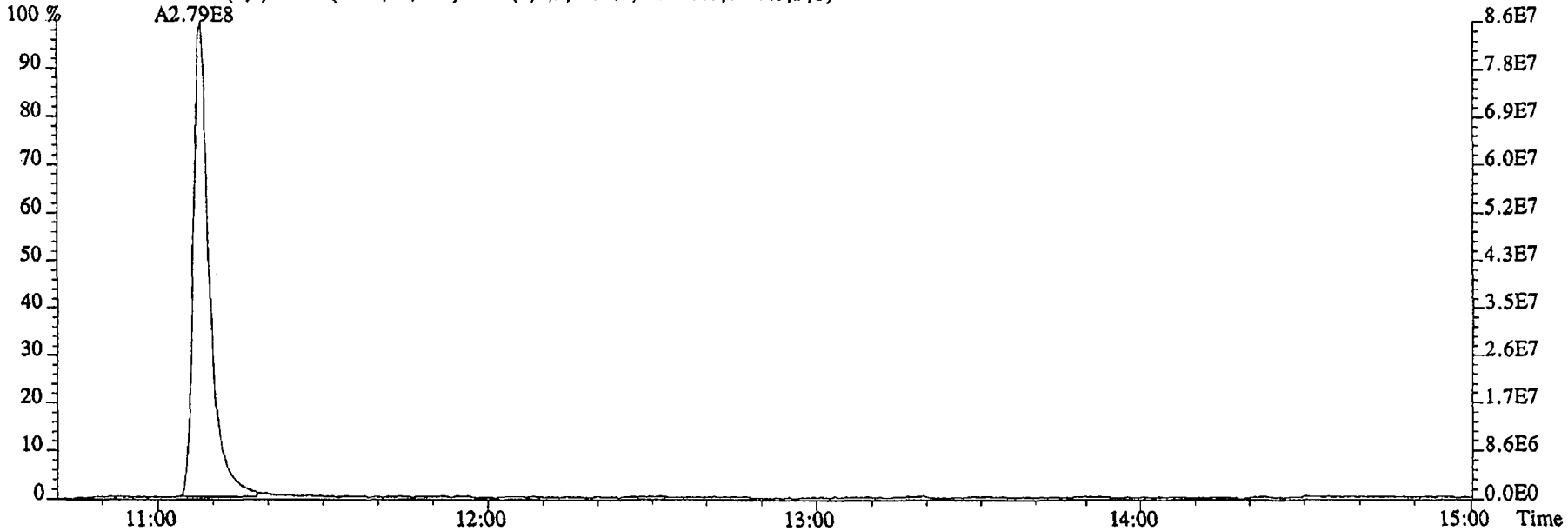
80.0857 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,884.0,1.00%,F,T)



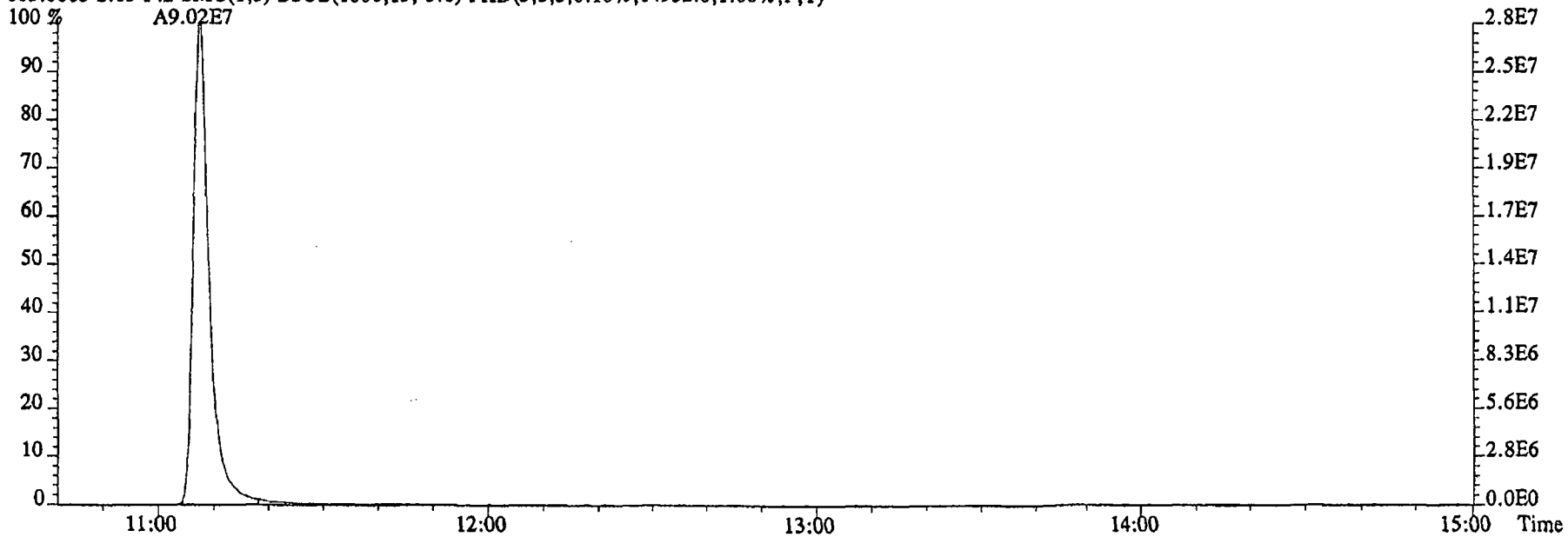
File:29DE045SP #1-474 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
74.0480 S:13 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,55092.0,1.00%,F,T)



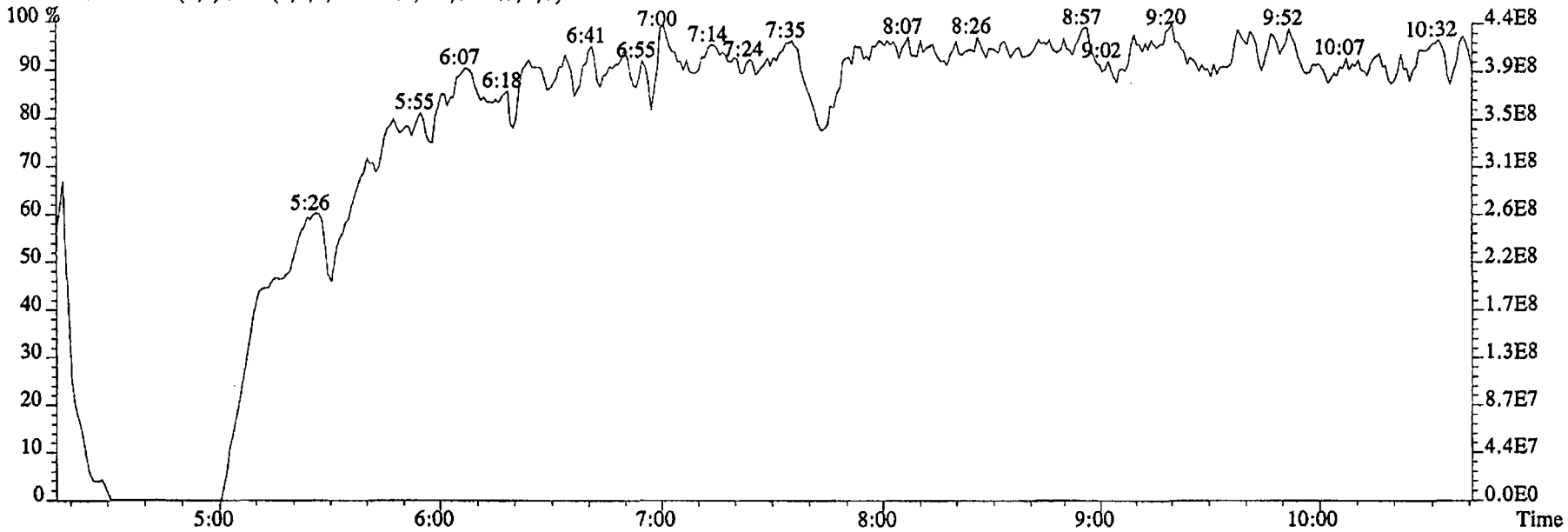
File:29DE045SP #1-602 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
113.0032 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,519472.0,1.00%,F,T)



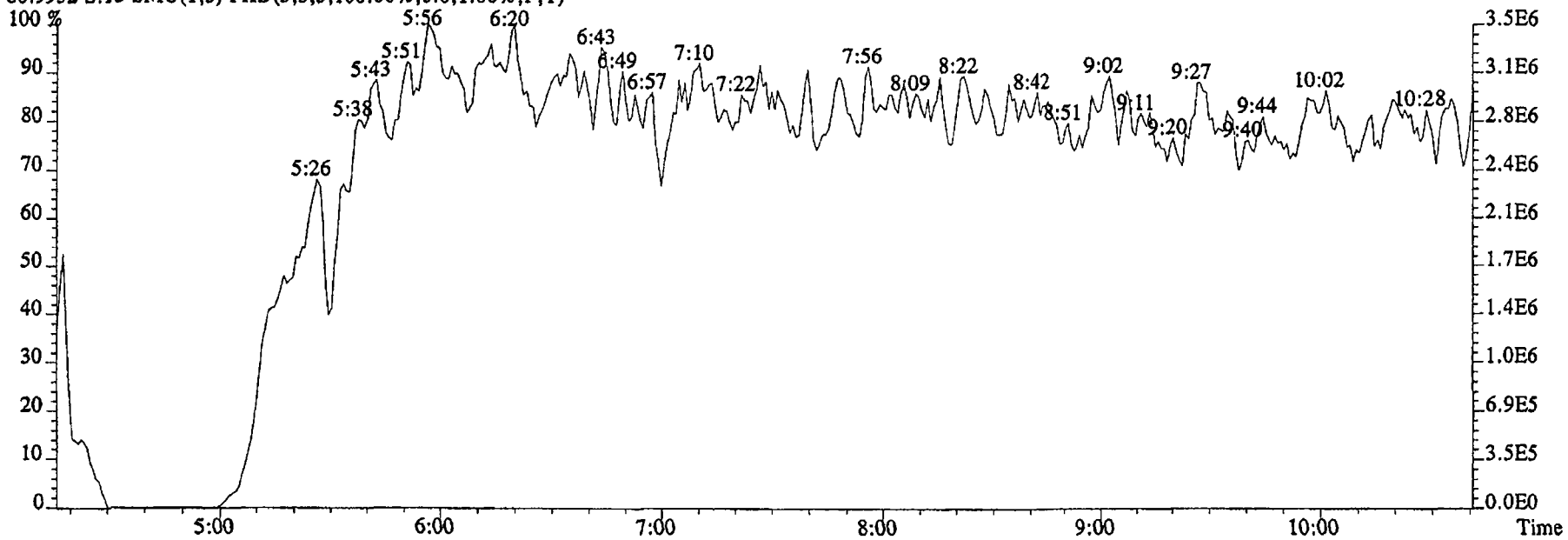
115.0003 S:13 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14932.0,1.00%,F,T)



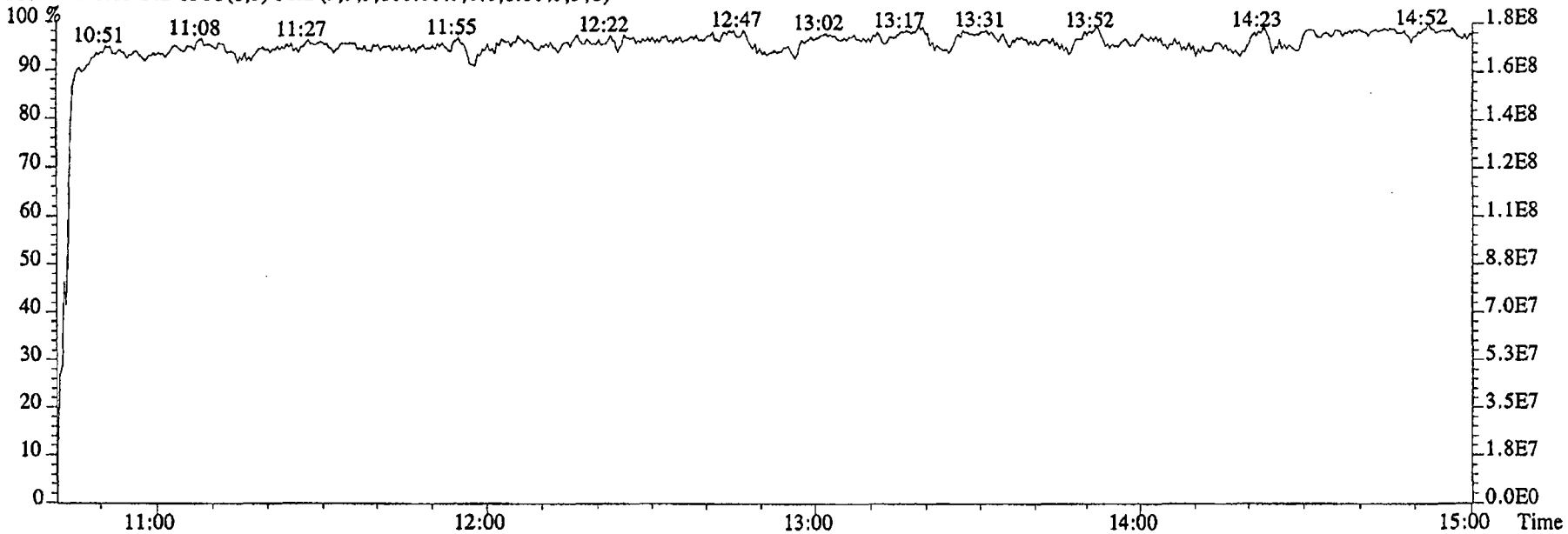
File:29DE045SP #1-474 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
68.9952 S:13 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



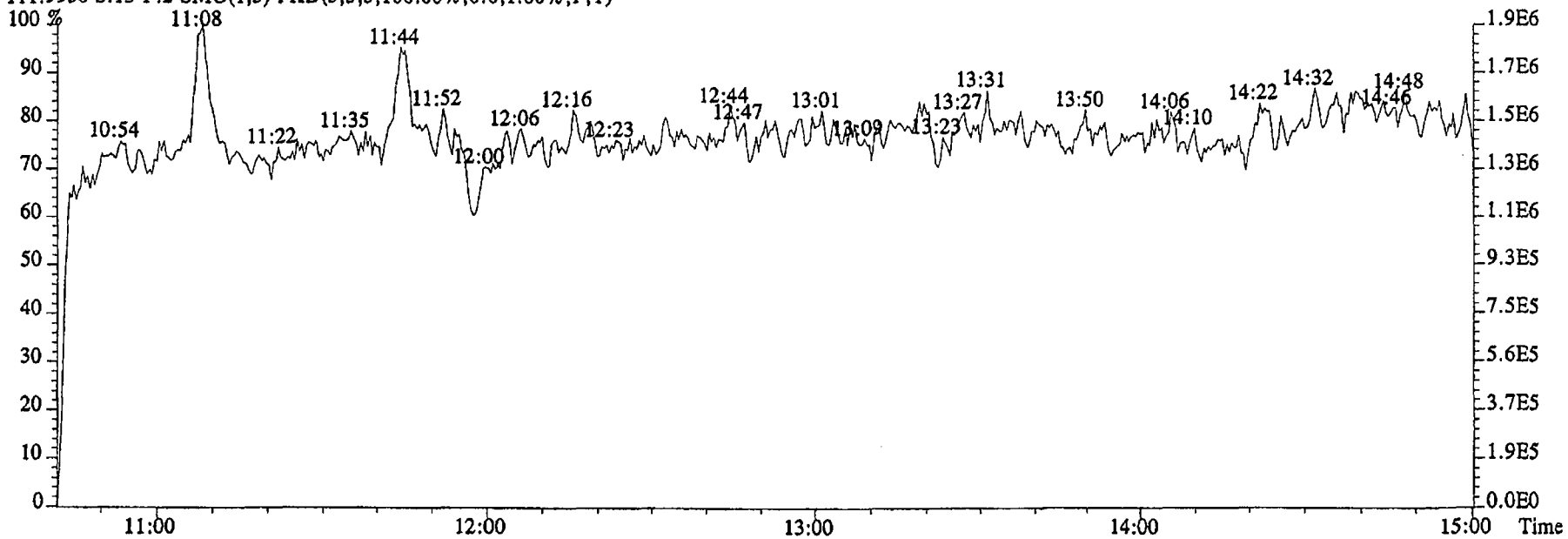
80.9952 S:13 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 17:36:13 GC EI+ Voltage SIR 70SE
Sample#13 Text:G0K7A-2-AC :G4L080479-3RX Exp:NDMAVOA
118.9920 S:13 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:13 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

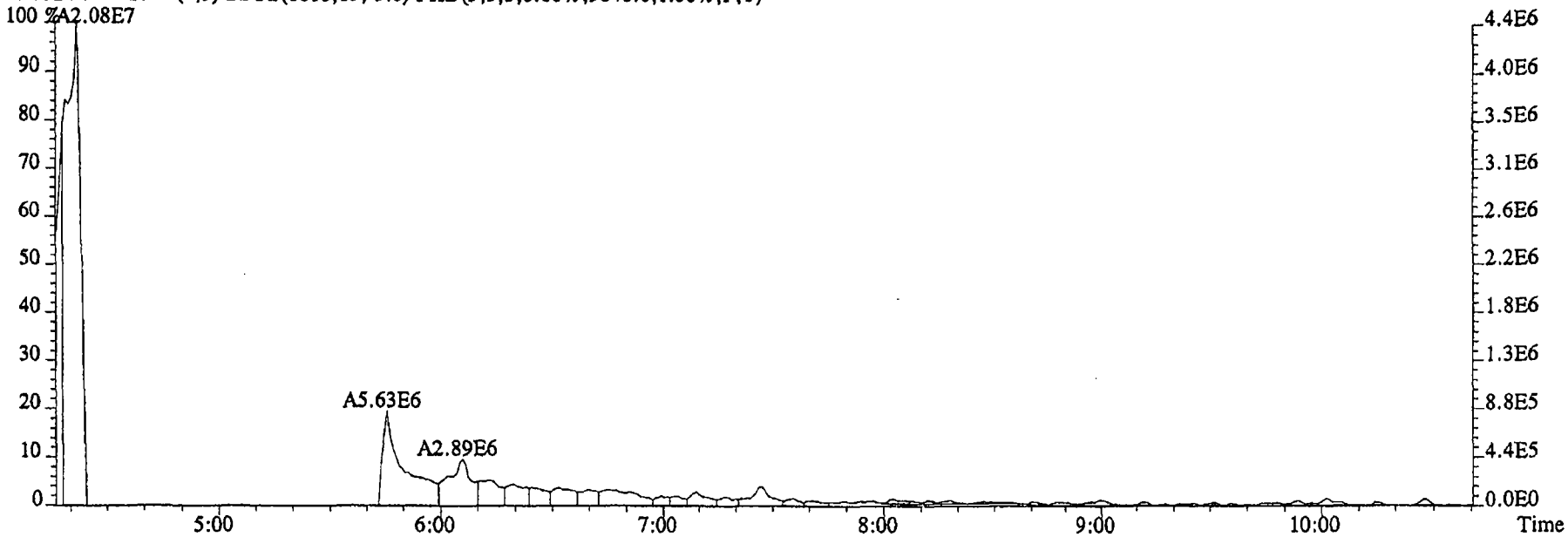


Run text: G0K7D-2-AC Sample text: G0K7D-2-AC :G4L080479-4RX
Run #13 Filename: 29DE045SP S: 14 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 17:56:34 Processed: 29-DEC-04 21:42:54
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.933 L

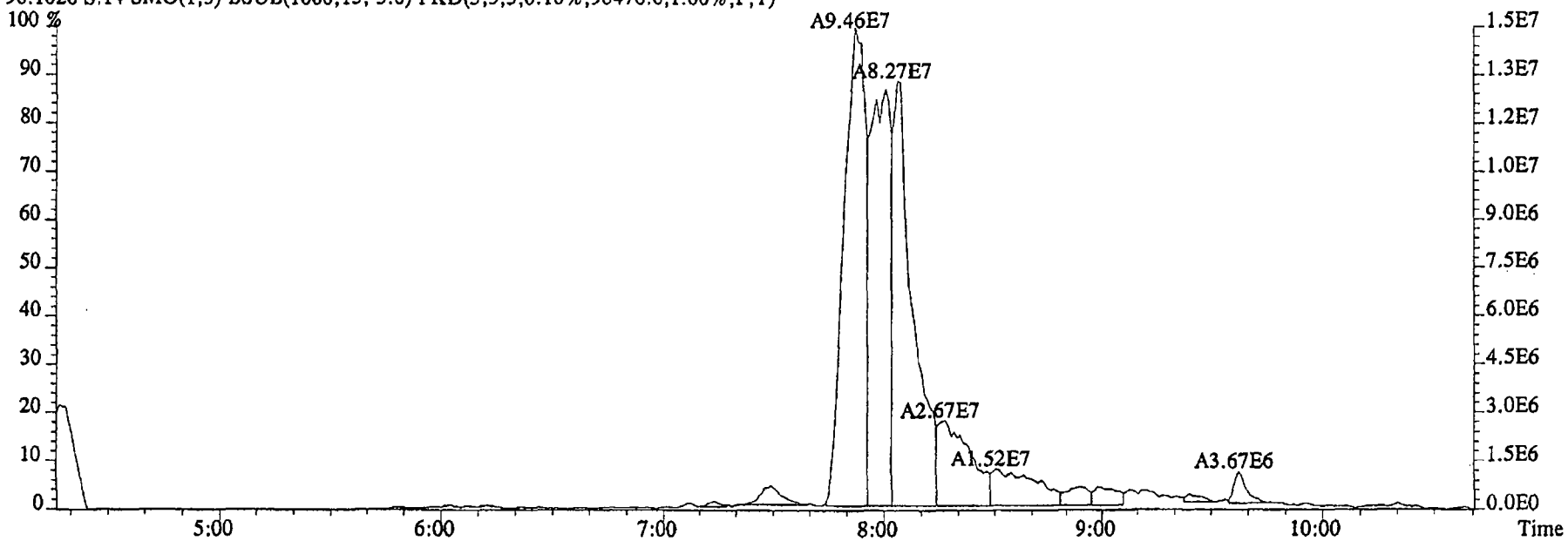
Name	Resp	RA	RT	RRF	Conc	µ	EDL	Rec	M
2-Chloropyridine	113147000		11:13	-	652.70		-	-	n
D8-1,4-Dioxane	*		NotFnd	1.11	*		1.23	*	n
1,4-Dioxane	*		NotFnd	1.89	*		*	-	n
D5-123-TriChloroPropane	170276000		10:11	2.68	120.15		0.03	112.1	n
1,2,3-TriChloroPropane	189854		10:14	0.44	0.27		0.14	-	n
1,2,3-TriChloroPropane	793973		10:14	-	1.28		-	-	n
D6-NDMA	33125600		10:22	1.68	37.30		0.00	34.8	n
NDMA	*		NotFnd	1.37	*	12.0	2.03	-	n
2-Chloropyridine	330702000		11:13	-	602.75		-	-	n

12-30-04

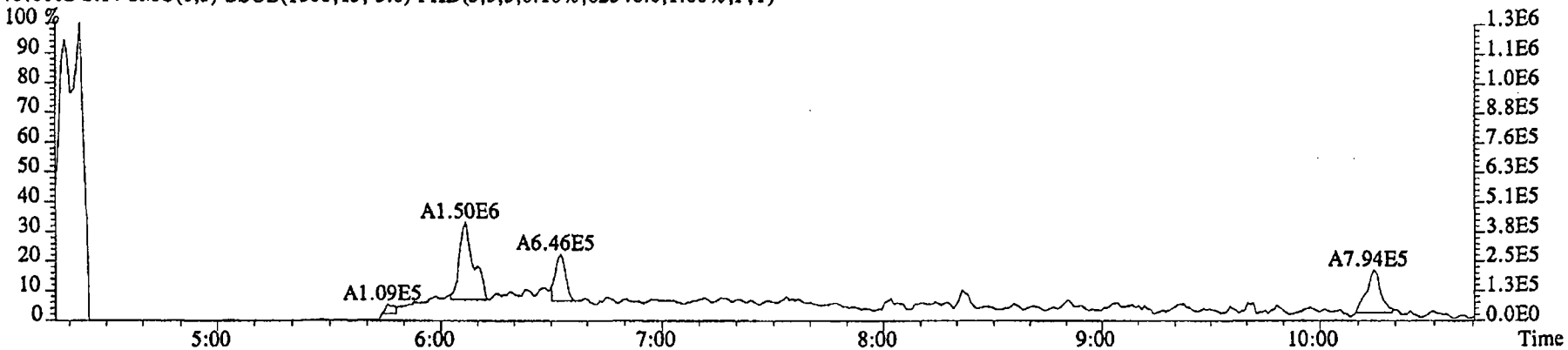
File:29DE045SP #1-474 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
88.0524 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9848.0,1.00%,F,T)



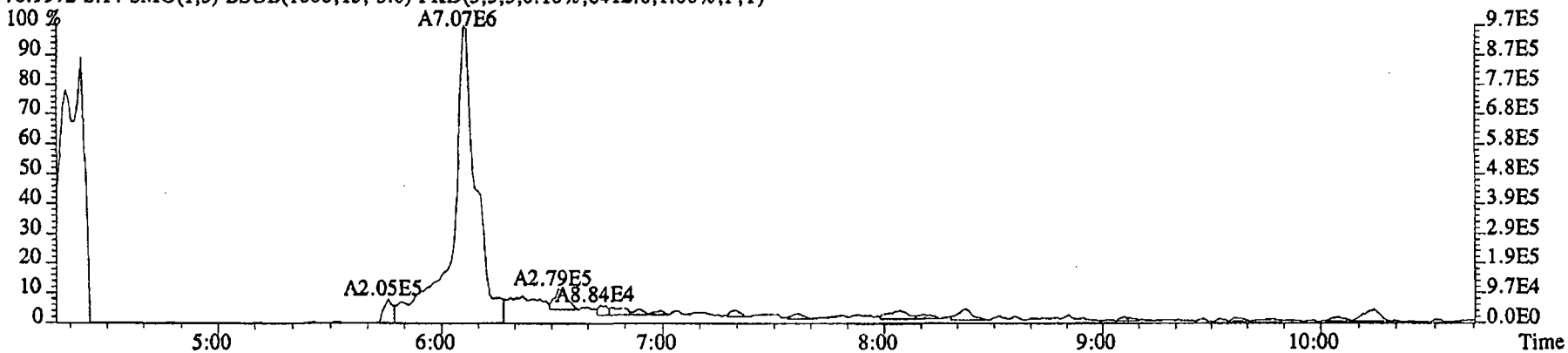
96.1026 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,90476.0,1.00%,F,T)



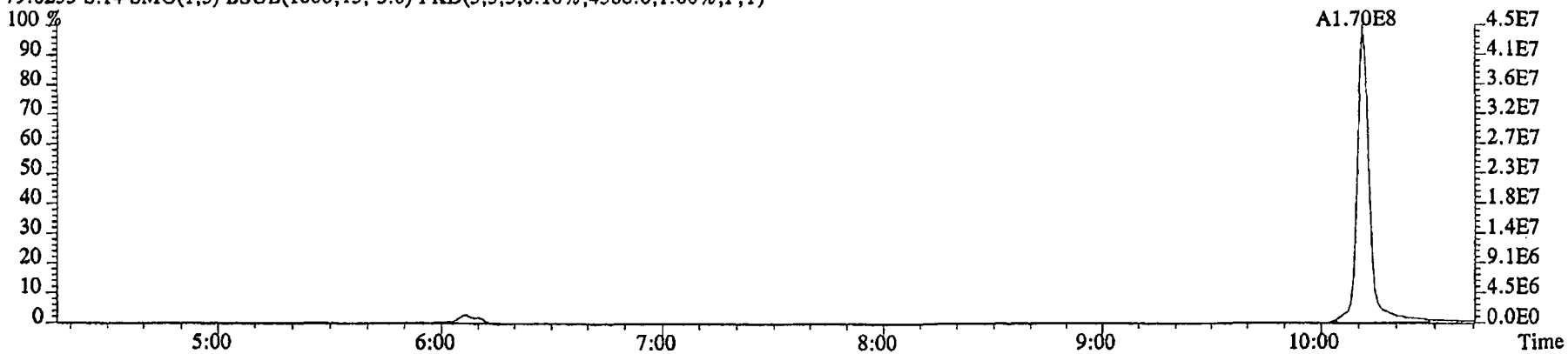
File:29DE045SP #1-474 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
75.0002 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,62348.0,1.00%,F,T)



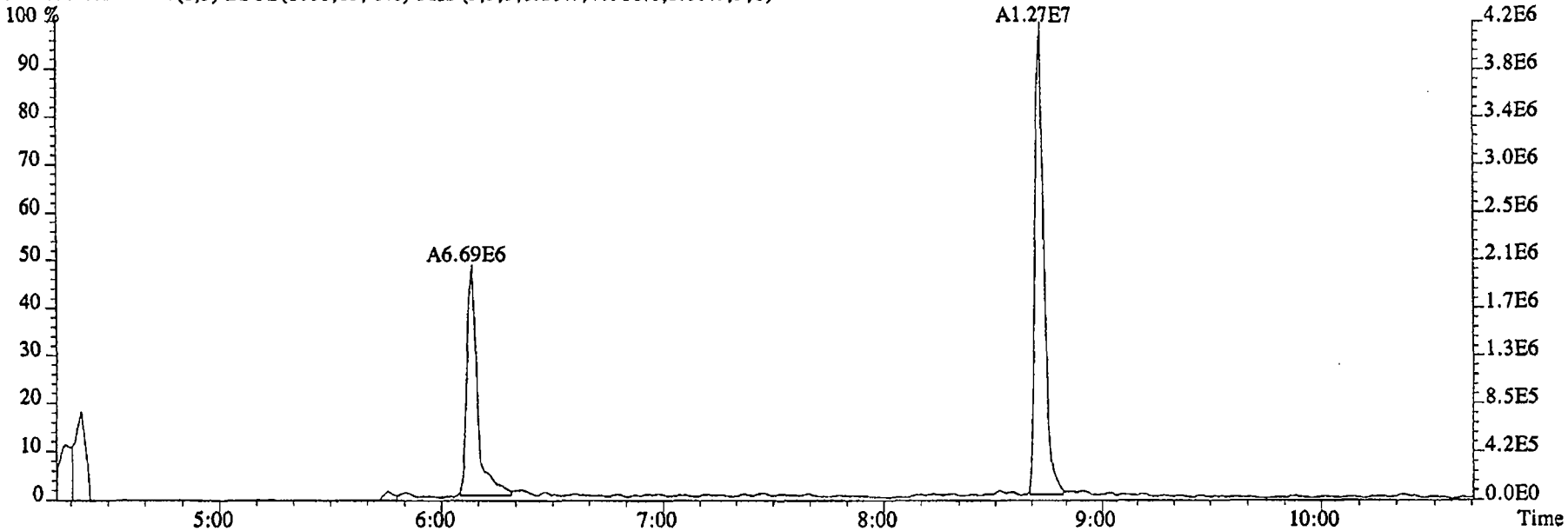
76.9972 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8412.0,1.00%,F,T)



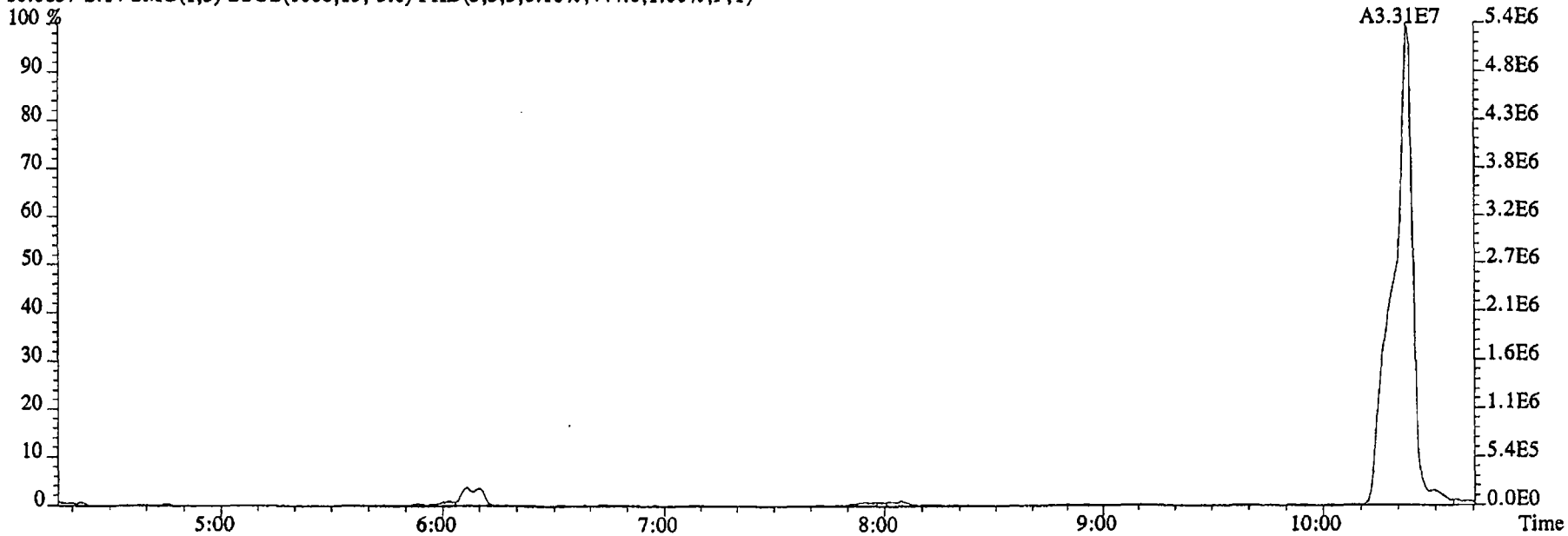
79.0253 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4588.0,1.00%,F,T)



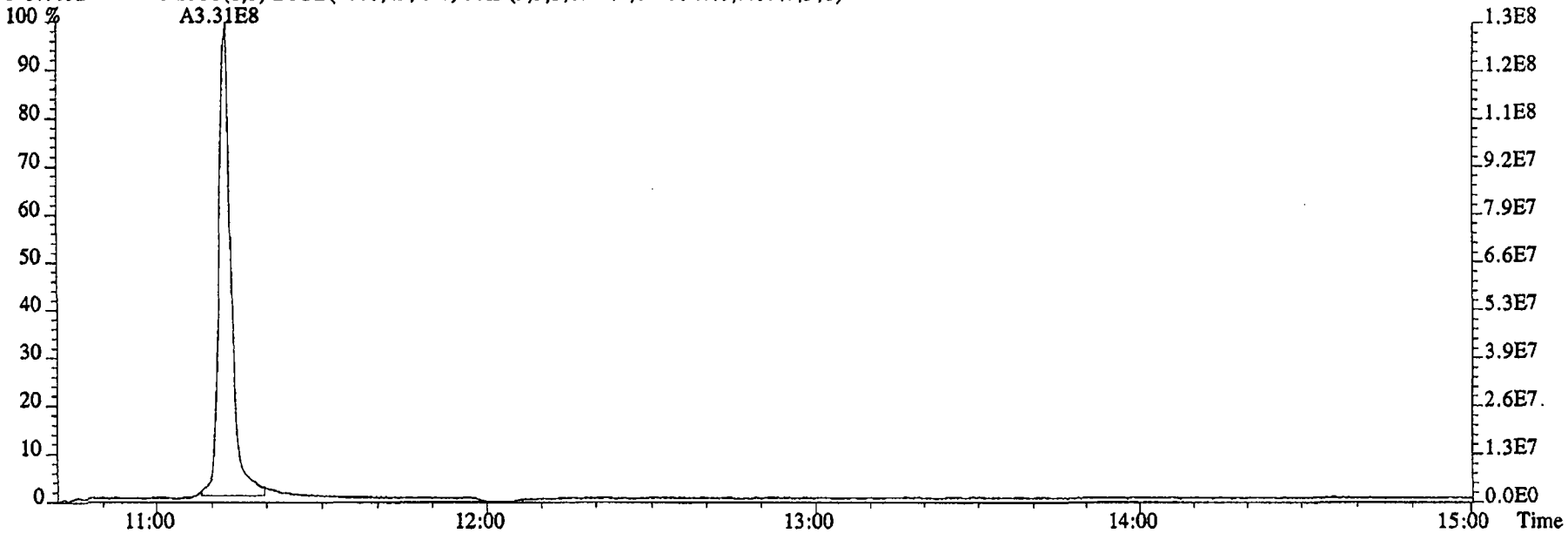
File:29DE045SP #1-474 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
74.0480 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,46316.0,1.00%,F,T)



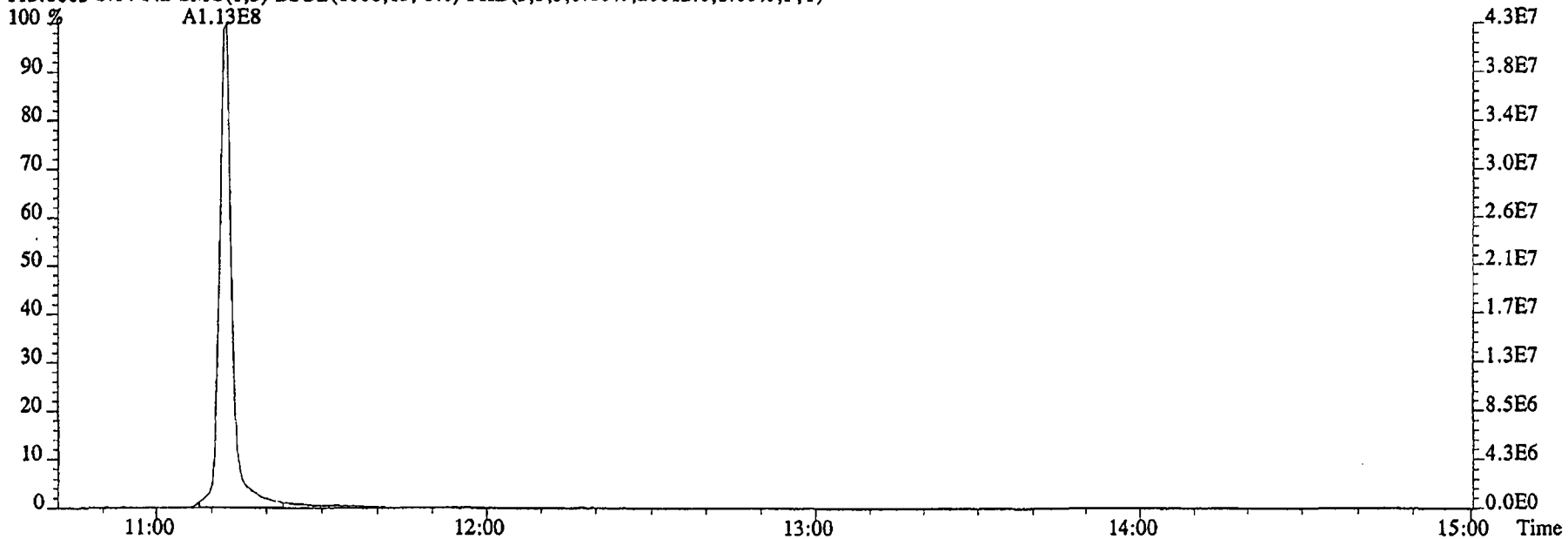
80.0857 S:14 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,444.0,1.00%,F,T)



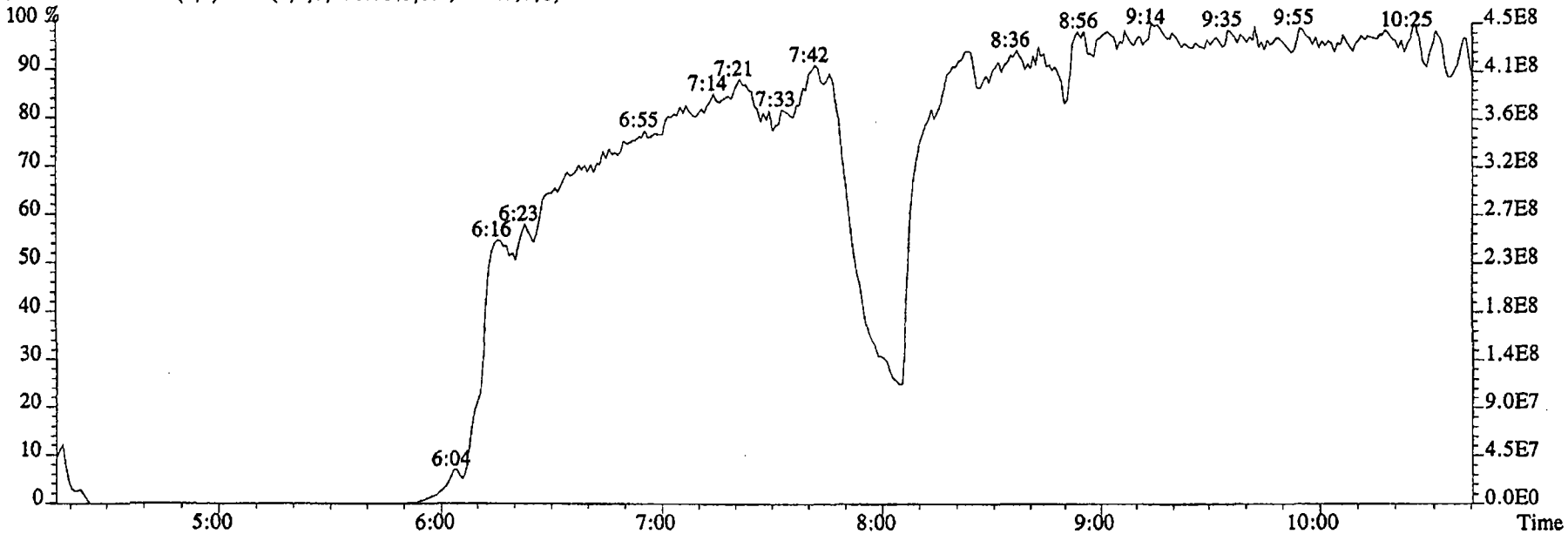
File:29DE045SP #1-603 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
113.0032 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1542316.0,1.00%,F,T)



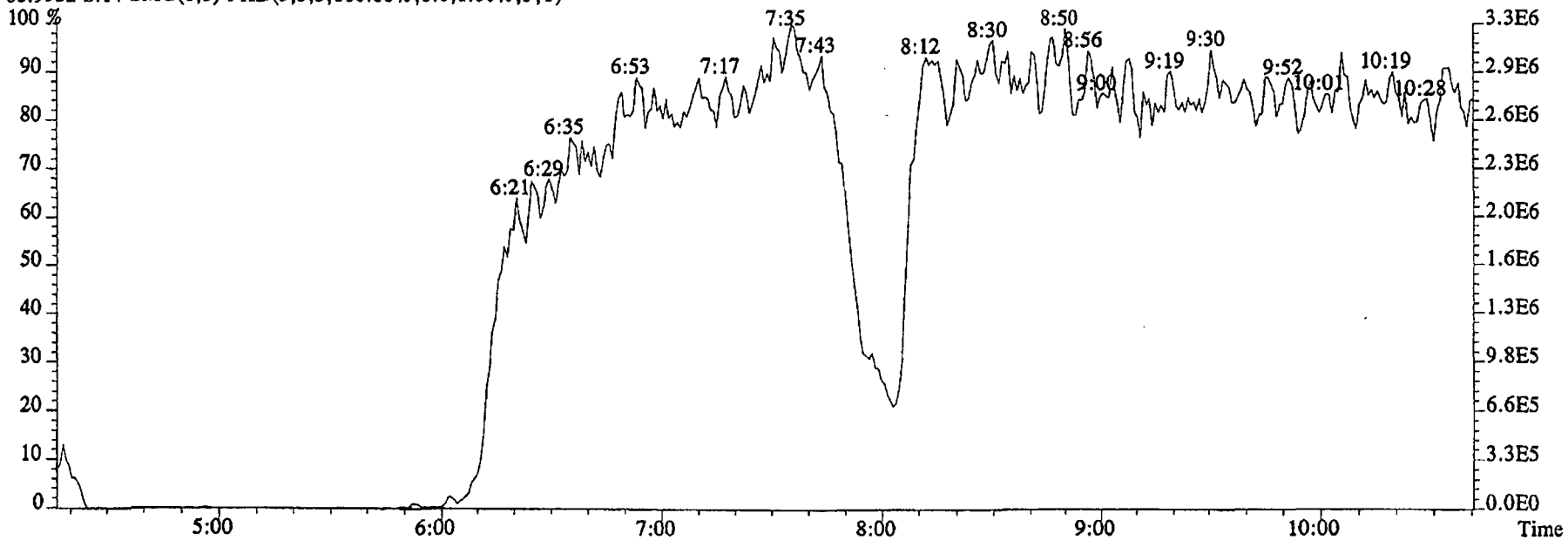
115.0003 S:14 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,20012.0,1.00%,F,T)



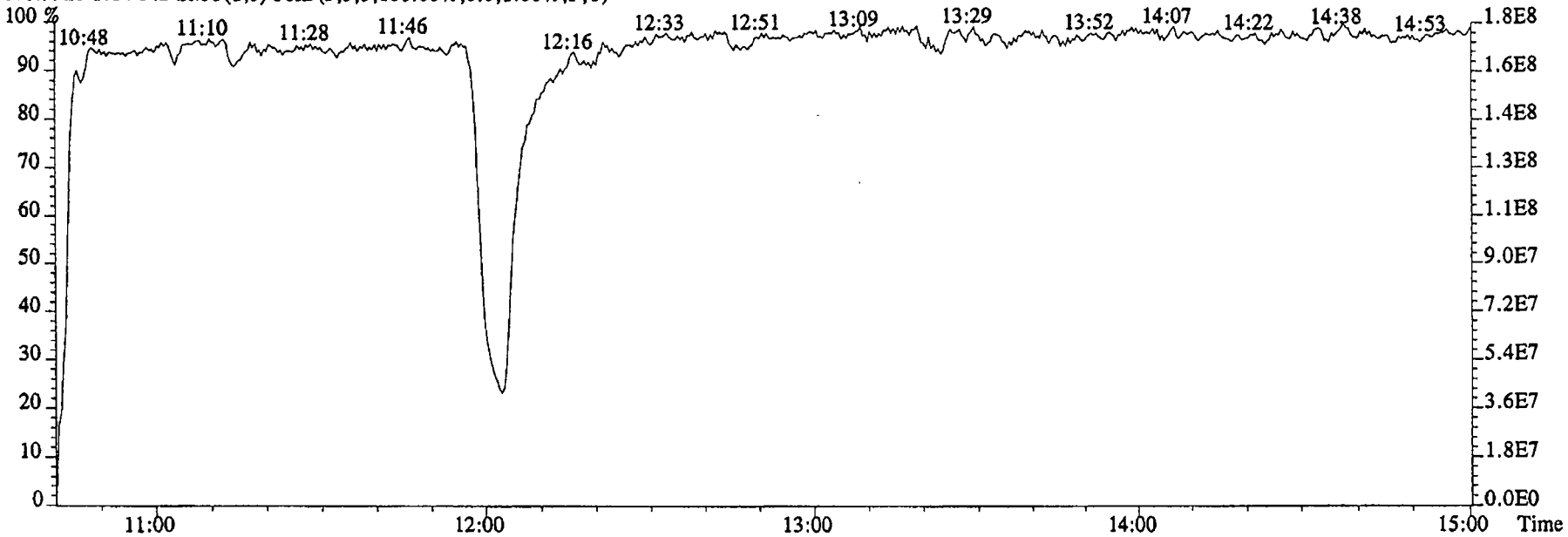
File:29DE045SP #1-474 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
68.9952 S:14 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



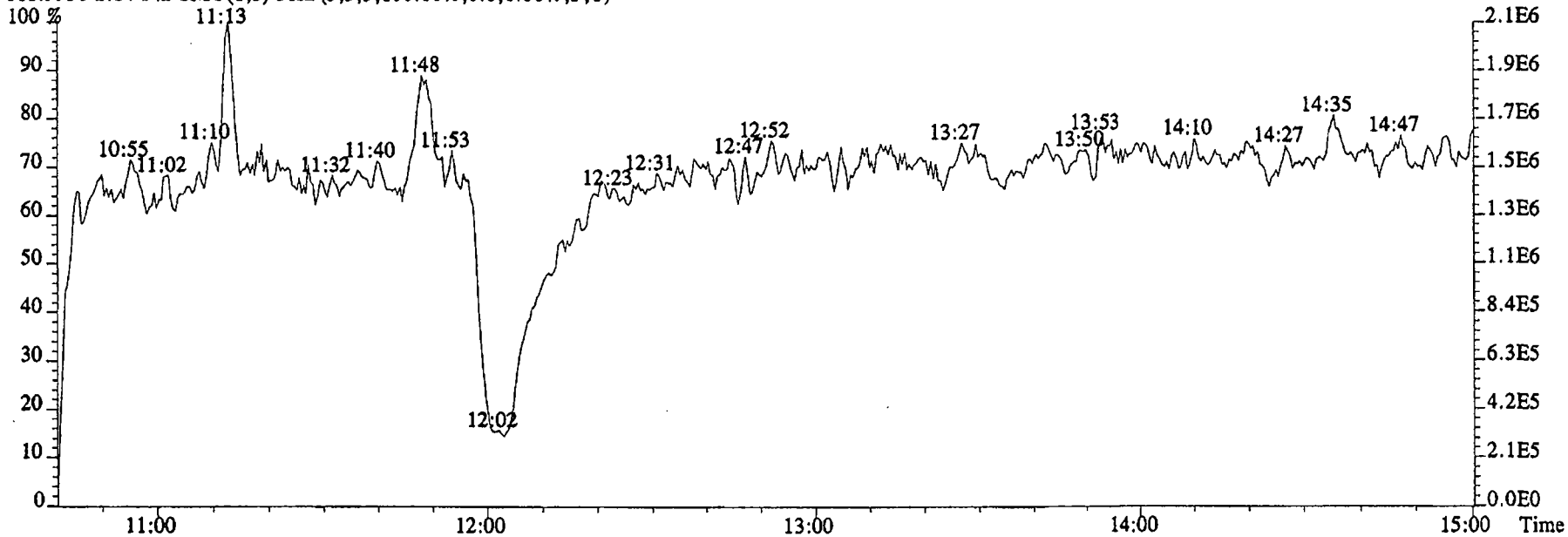
80.9952 S:14 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 17:56:34 GC EI+ Voltage SIR 70SE
Sample#14 Text:G0K7D-2-AC :G4L080479-4RX Exp:NDMAVOA
118.9920 S:14 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:14 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

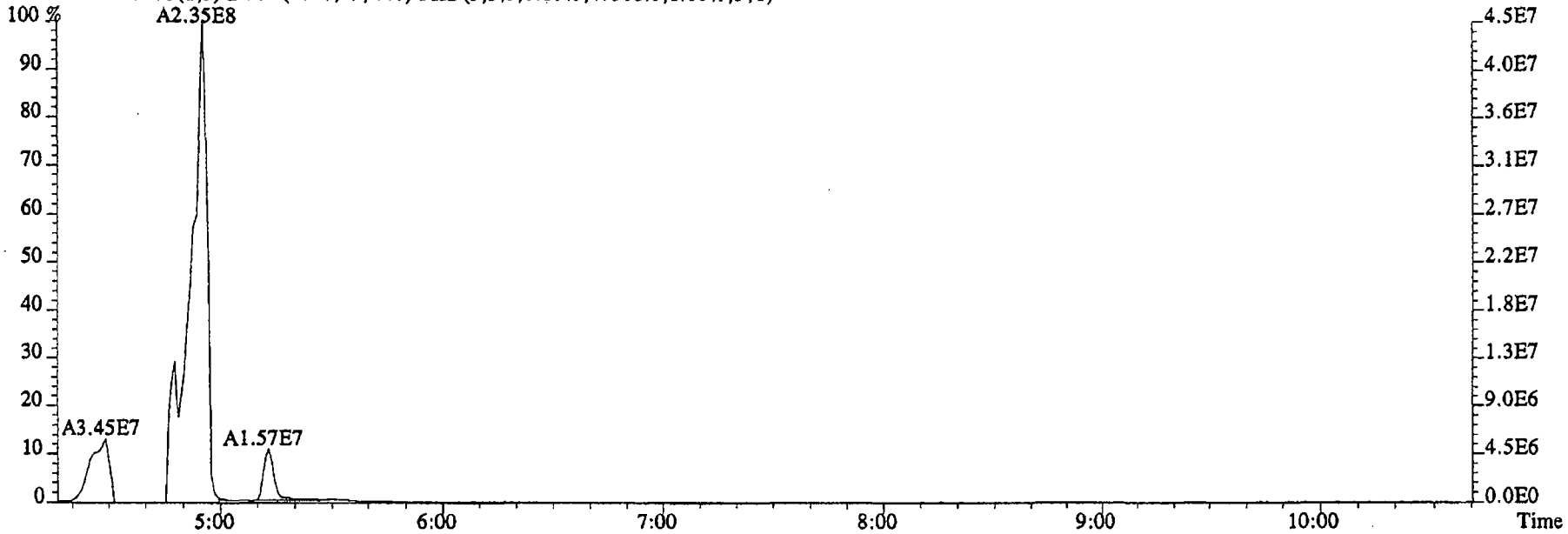


Run text: G0K7E-2-AC Sample text: G0K7E-2-AC :G4L080479-5RX
Run #14 Filename: 29DE045SP S: 15 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 18:16:56 Processed: 29-DEC-04 21:42:55
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.928 L

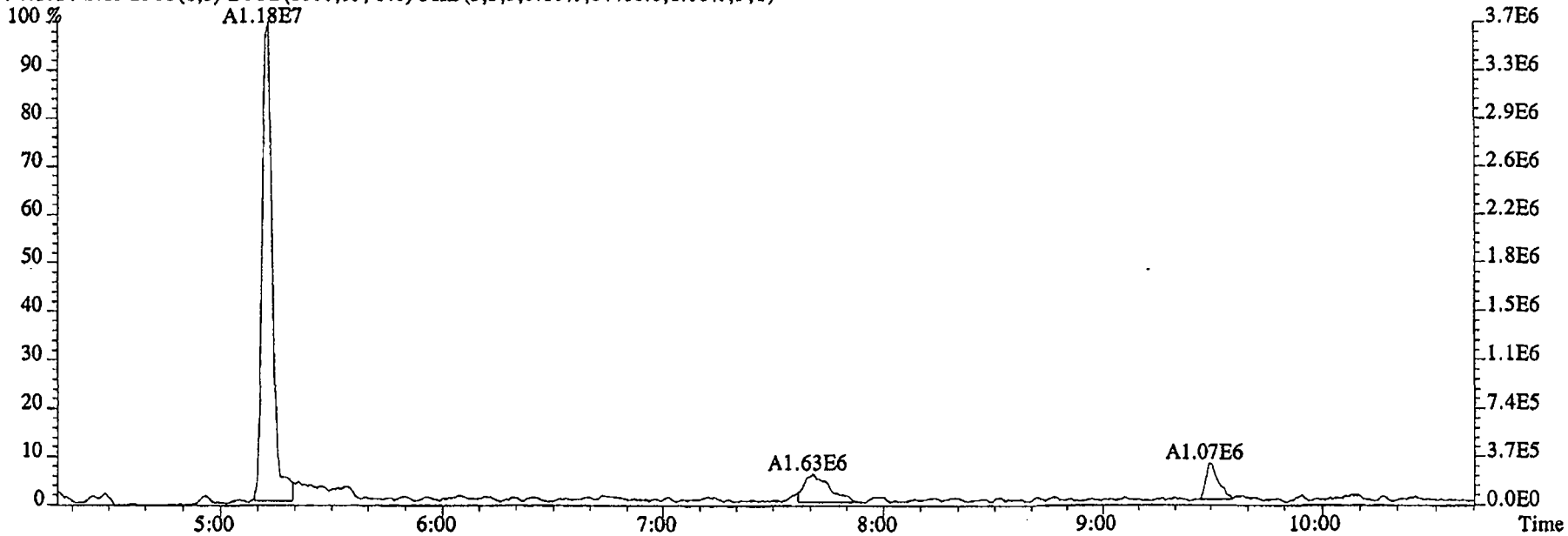
Name	Resp	RA	RT	RRF	Conc	Re	EDL	Rec	M
2-Chloropyridine	72903100		11:07	-	422.81		-	-	n
D8-1,4-Dioxane	11824900		5:13	1.11	31.51		1.79	2.9	n
1,4-Dioxane	15697900		5:13	1.89	757.03		22.14	-	n
D5-123-TriChloroPropane	95943900		10:03	2.68	105.64		0.06	98.0	n
1,2,3-TriChloroPropane	*		NotFnd	0.44	*		0.76	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	19624600		10:13	1.68	34.48		0.02	32.0	n
NDMA	*		NotFnd	1.37	*	<2.0	~~2.36~~ 0.63	-	n
2-Chloropyridine	224615000		11:07	-	411.60		-	-	n

12-30-04

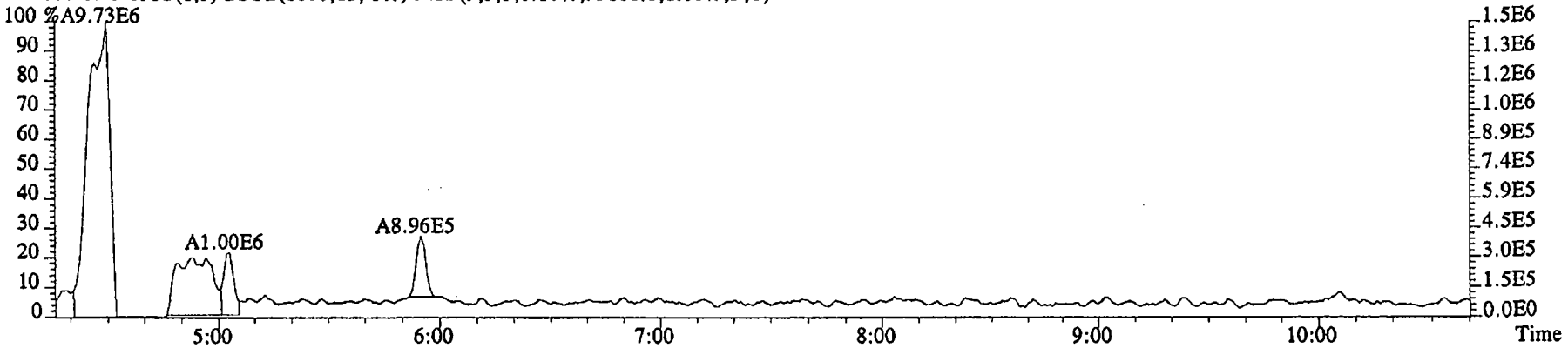
File:29DE045SP #1-474 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
88.0524 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,47308.0,1.00%,F,T)



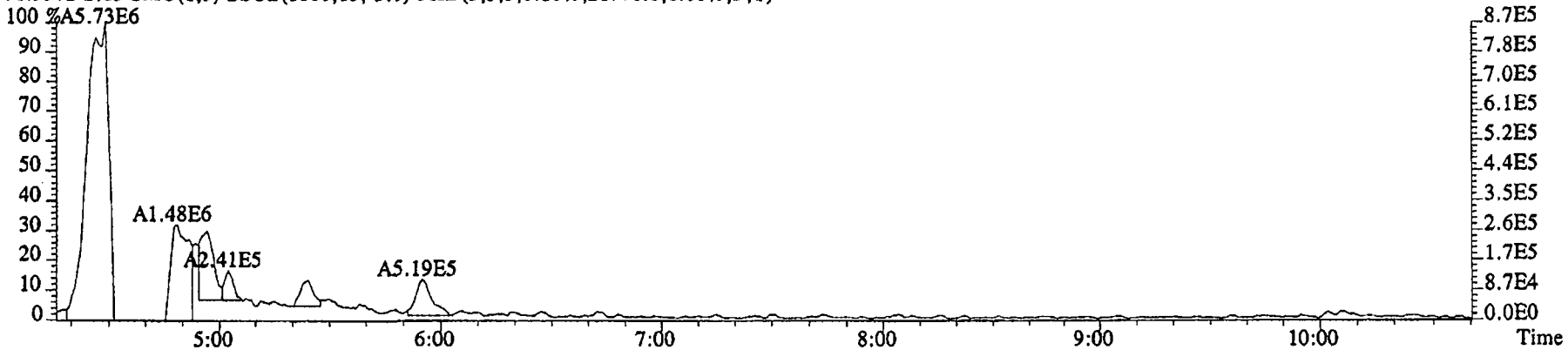
96.1026 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64400.0,1.00%,F,T)



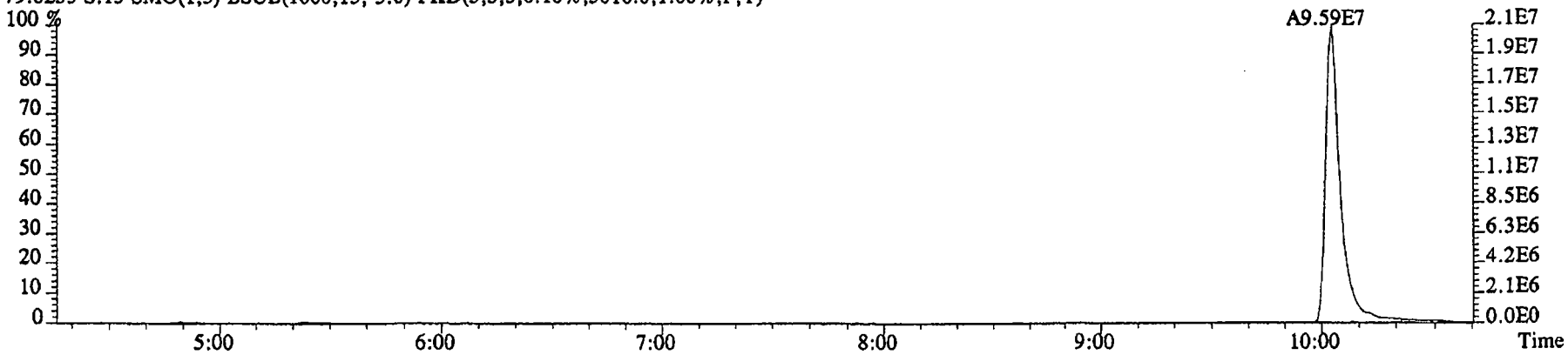
File:29DE045SP #1-474 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
75.0002 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,95188.0,1.00%,F,T)



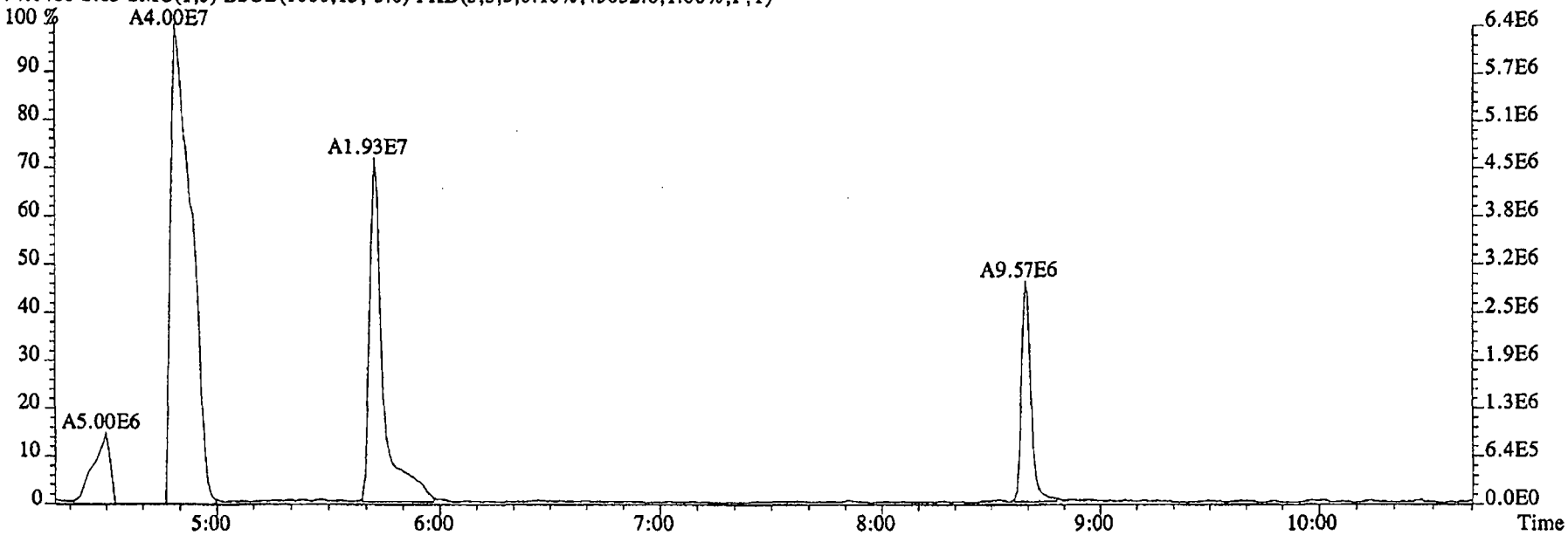
76.9972 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21776.0,1.00%,F,T)



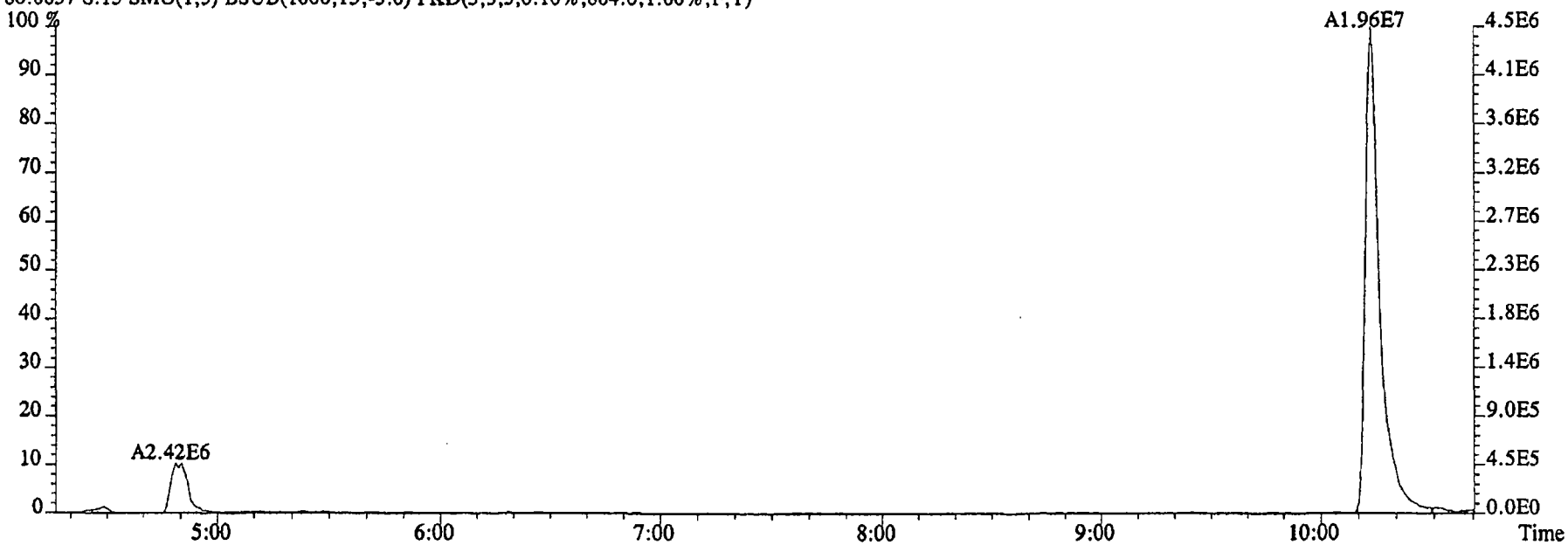
79.0253 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5016.0,1.00%,F,T)



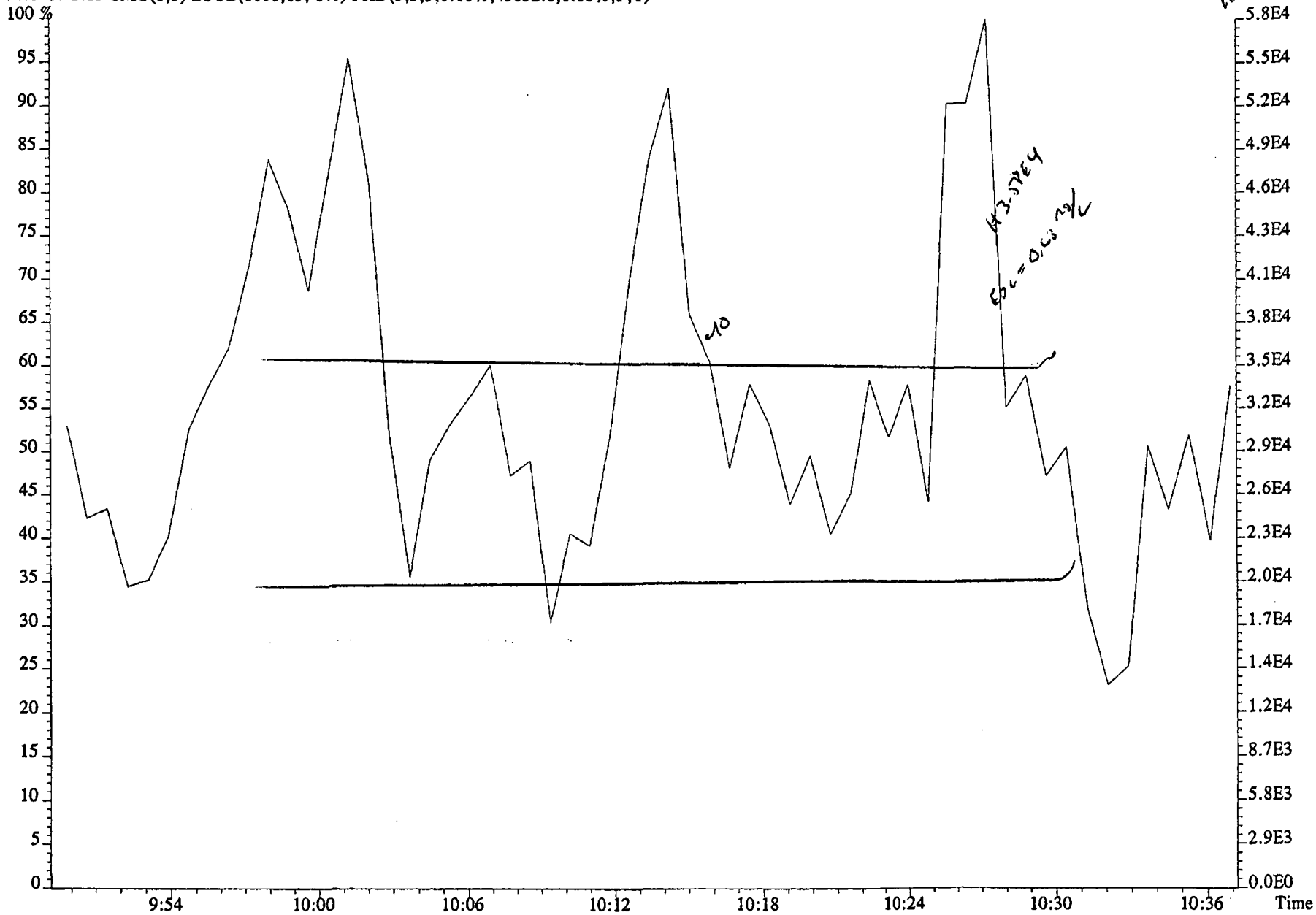
File:29DE045SP #1-474 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
74.0480 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,45032.0,1.00%,F,T)



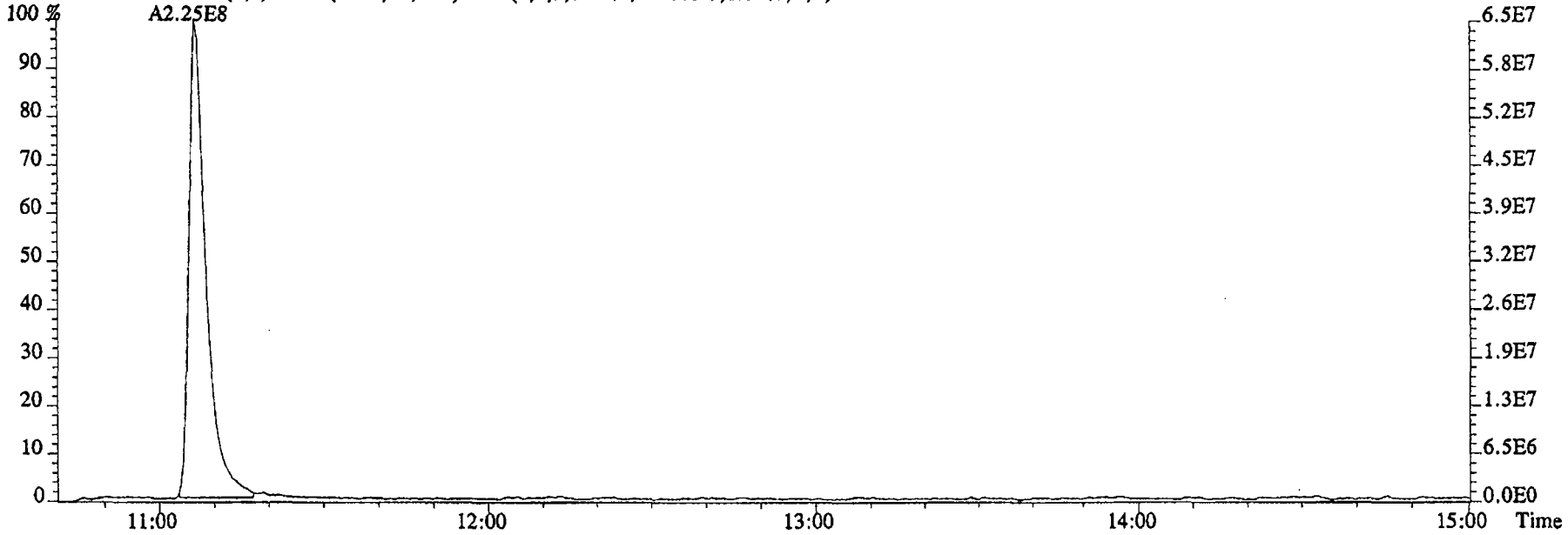
80.0857 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,864.0,1.00%,F,T)



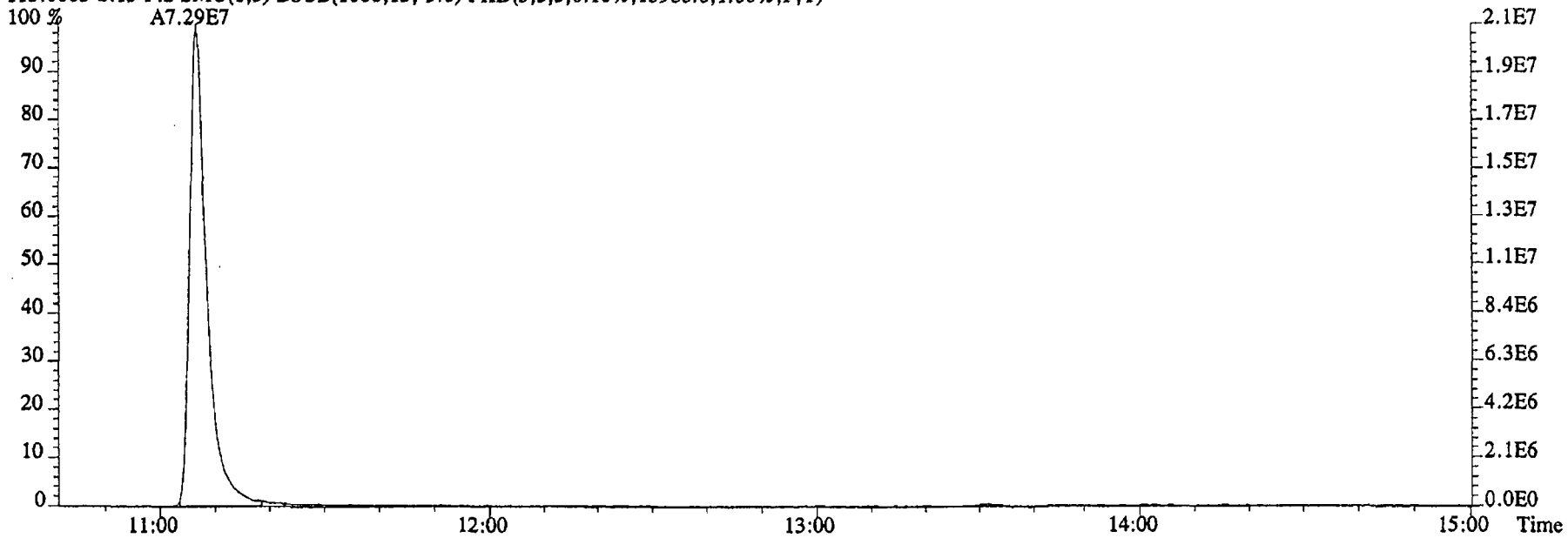
File:29DE045SP #1-474 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
74.0480 S:15 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,45032.0,1.00%,F,T)



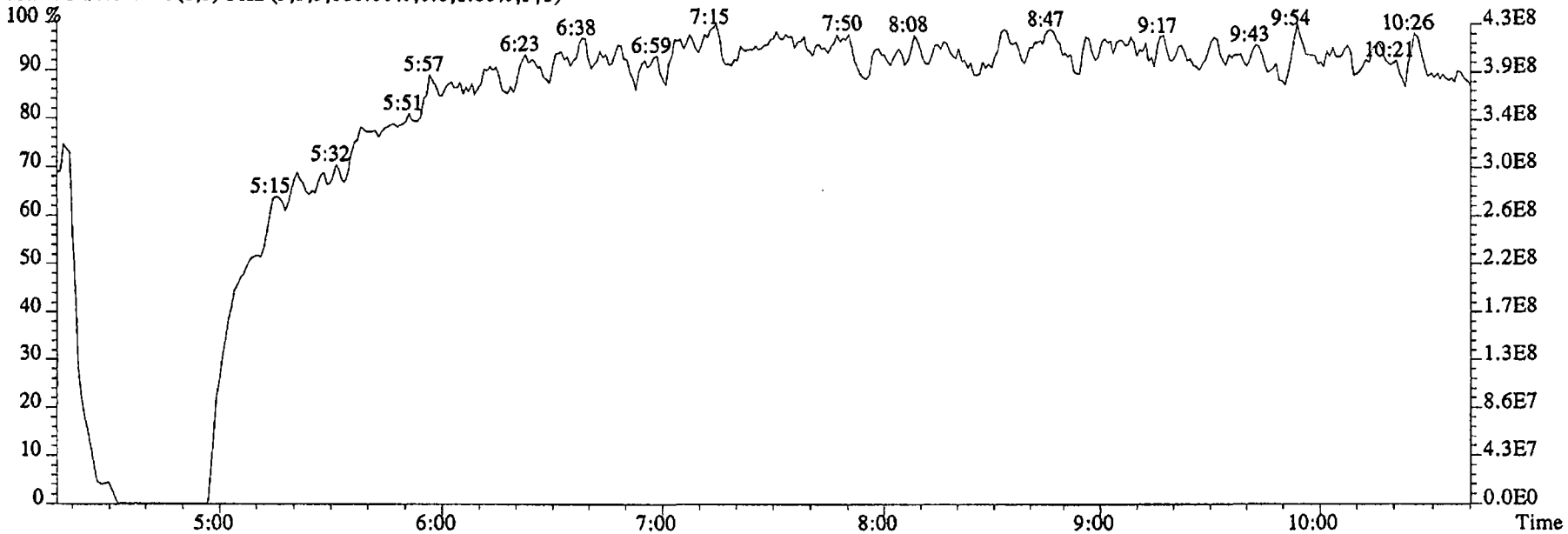
File:29DE045SP #1-603 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
113.0032 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,647860.0,1.00%,F,T)



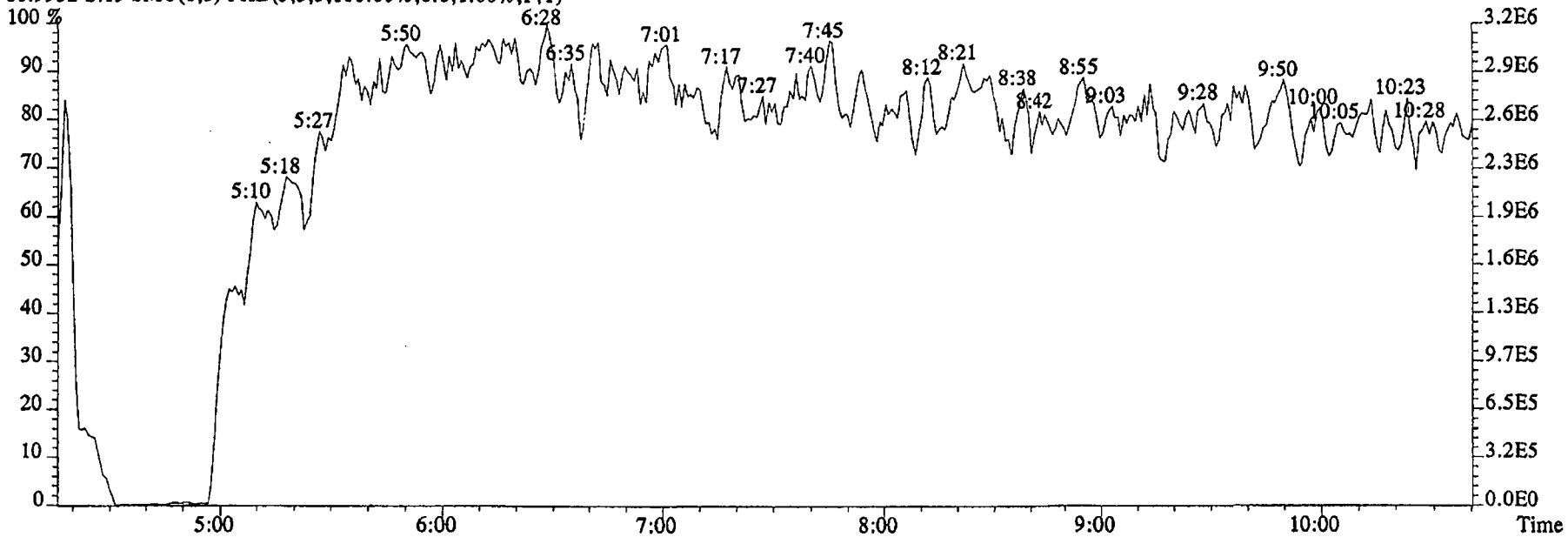
115.0003 S:15 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15988.0,1.00%,F,T)



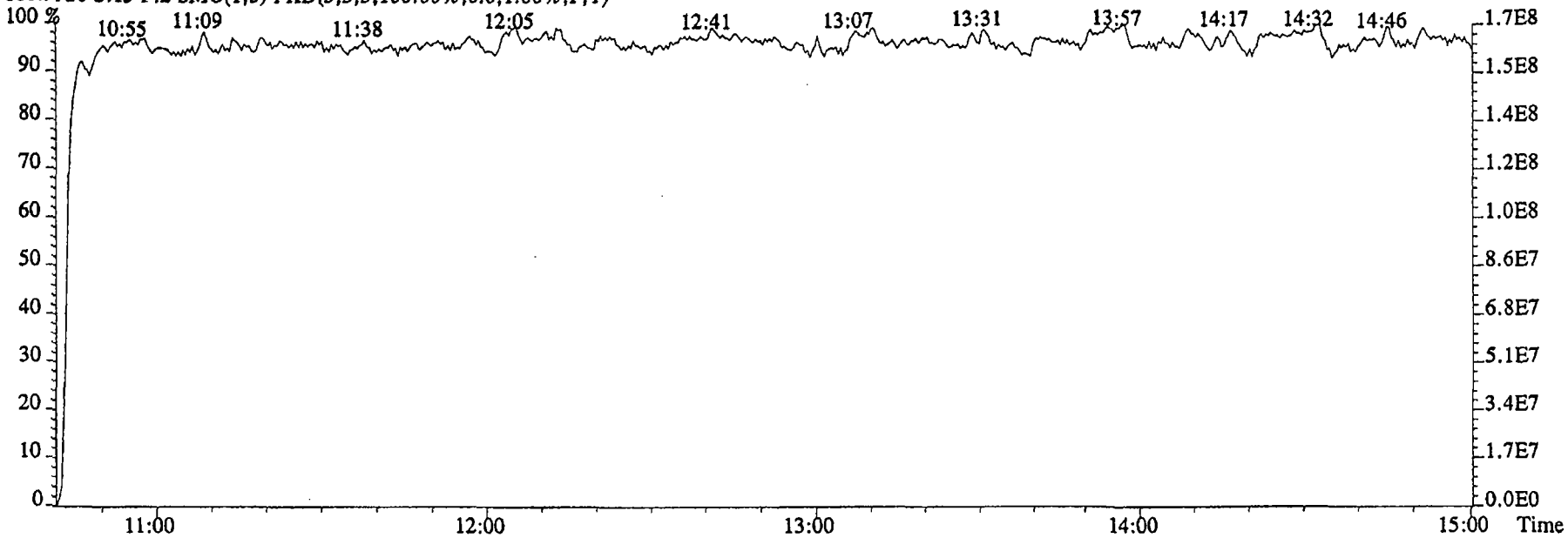
File:29DE045SP #1-474 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
68.9952 S:15 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



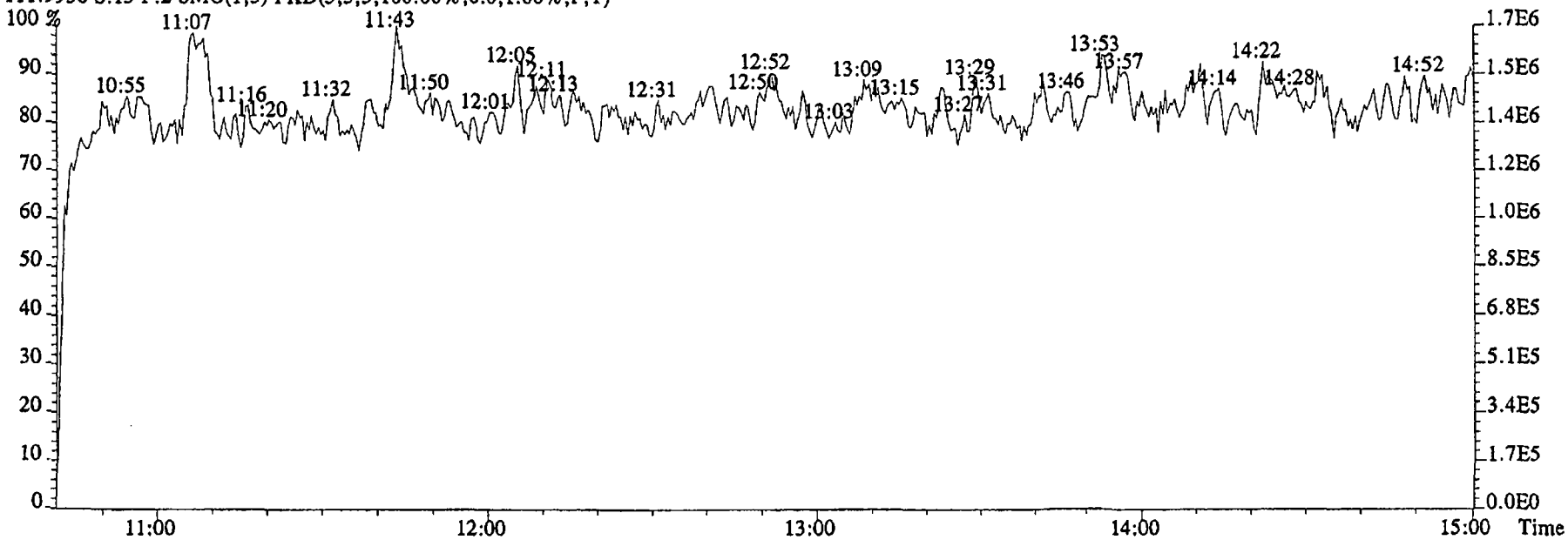
80.9952 S:15 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 18:16:56 GC EI+ Voltage SIR 70SE
Sample#15 Text:G0K7E-2-AC :G4L080479-5RX Exp:NDMAVOA
118.9920 S:15 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:15 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)

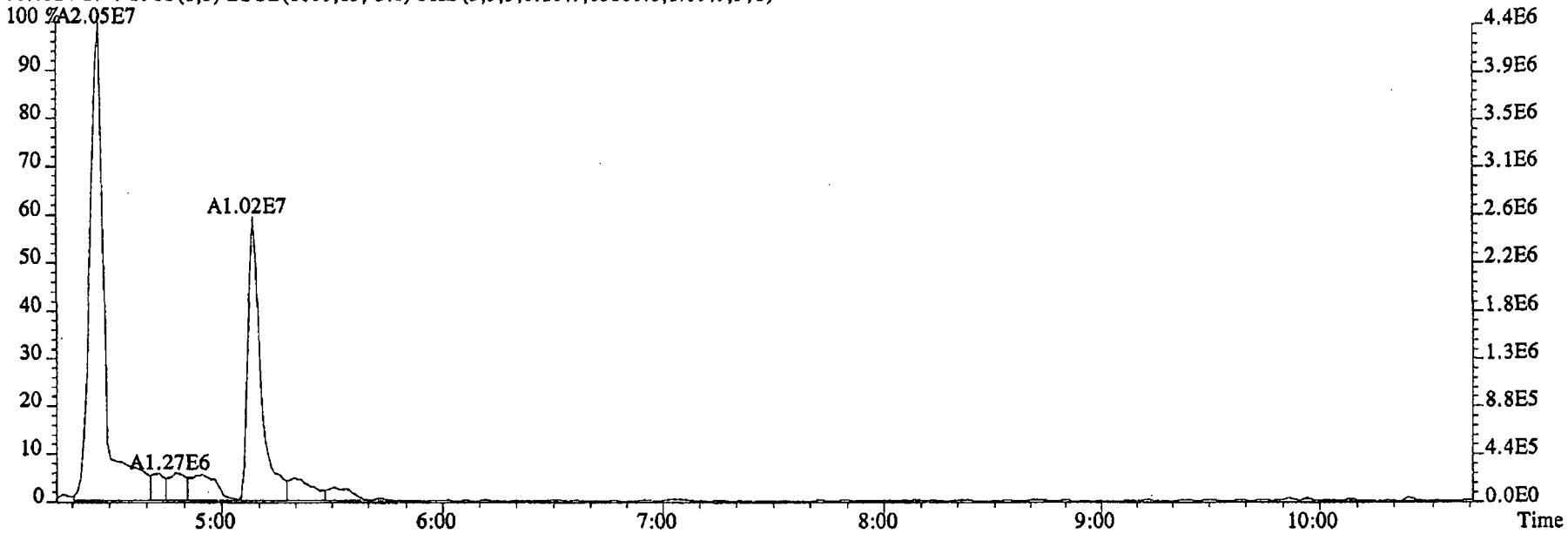


Run text: G0K7F-2-AC Sample text: G0K7F-2-AC :G4L080479-6RX
Run #15 Filename: 29DE045SP S: 16 I: 1 Results: 29DE045SP1625
Acquired: 29-DEC-04 18:37:22 Processed: 29-DEC-04 21:42:55
Run: 29DE045SP Analyte: 1625 Cal: 16251229045SP
Factor 1: 1.000 Factor 2: 1.000 Sample size: 0.896 L

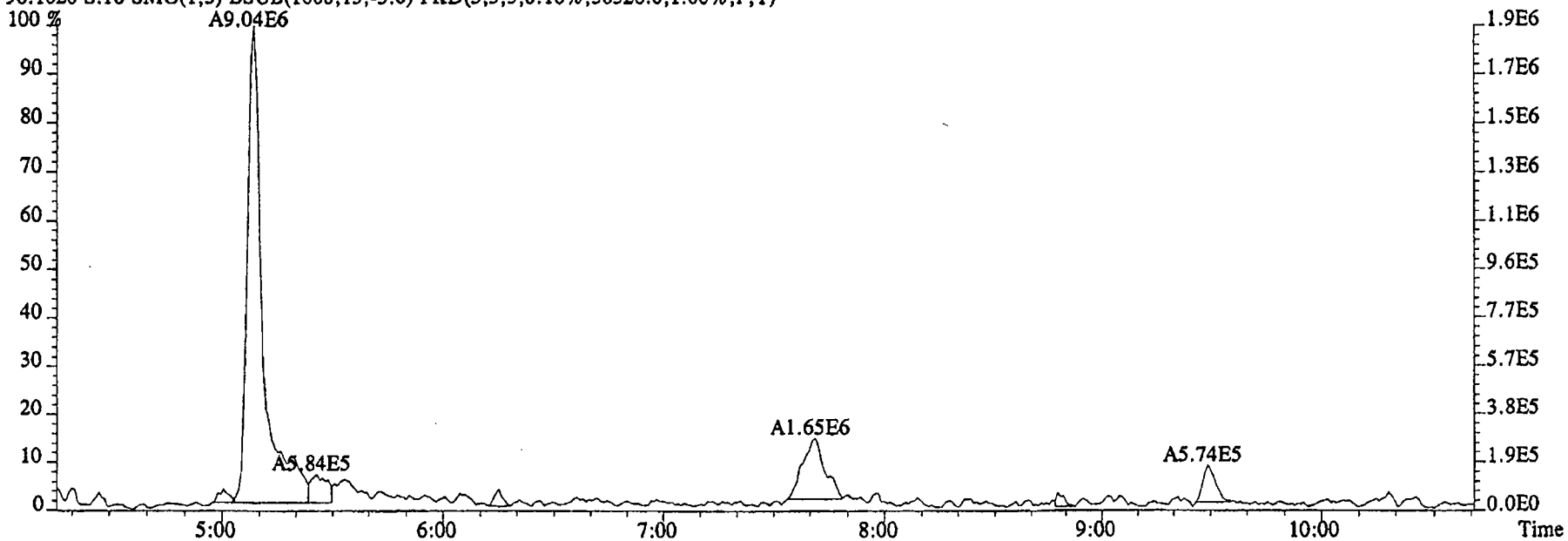
Name	Resp	RA	RT	RRF	Conc	n	EDL	Rec	M
2-Chloropyridine	63111400		11:06	-	379.10		-	-	n
D8-1,4-Dioxane	9039430		5:09	1.11	28.82		1.30	2.6	n
1,4-Dioxane	10207100		5:09	1.89	666.92		14.26	-	n
D5-123-TriChloroPropane	84486400		10:02	2.68	111.30		0.08	99.7	n
1,2,3-TriChloroPropane	98740		10:06	0.44	0.30		0.30	-	n
1,2,3-TriChloroPropane	*		NotFnd	-	*		-	-	n
D6-NDMA	17354900		10:13	1.68	36.48		0.01	32.7	n
NDMA	*		NotFnd	1.37	*	<20	~~2.43~~ 0.92	-	n
2-Chloropyridine	193680000		11:06	-	367.59		-	-	n

12-30-04

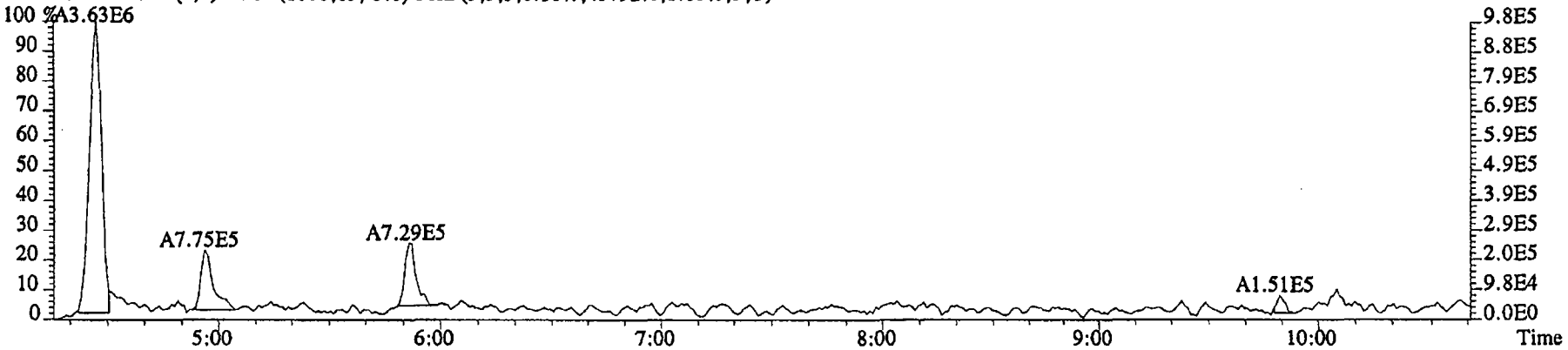
File:29DE045SP #1-475 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
88.0524 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15160.0,1.00%,F,T)



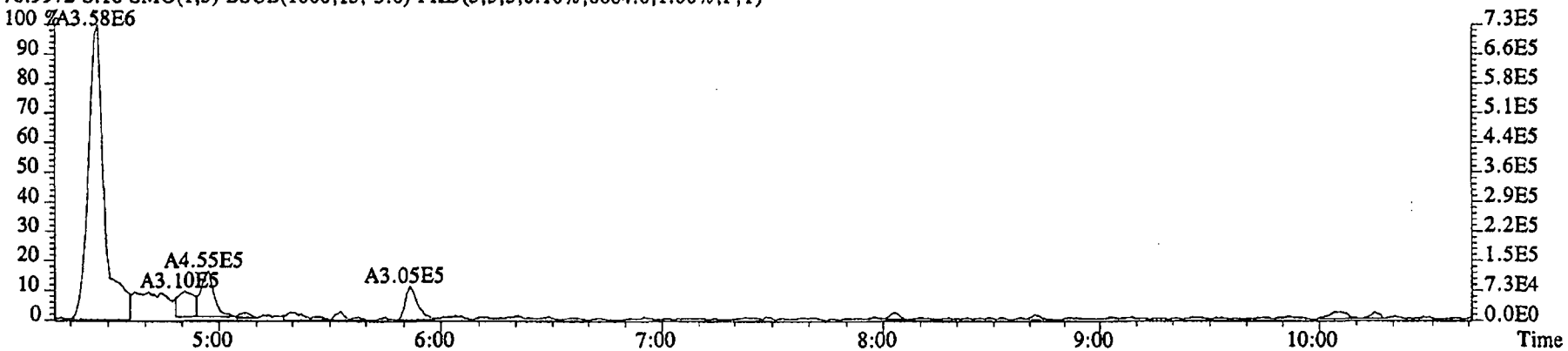
96.1026 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38328.0,1.00%,F,T)



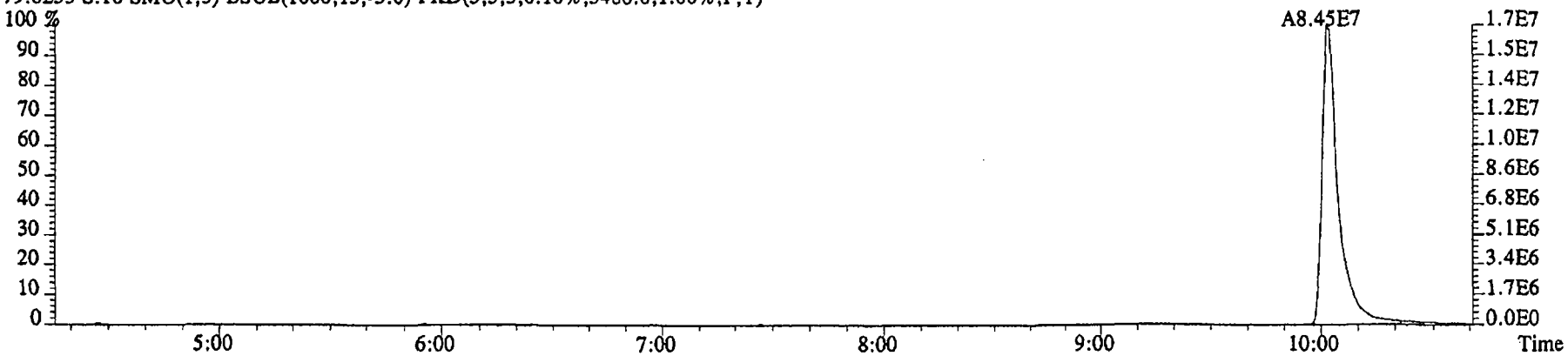
File:29DE045SP #1-475 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
75.0002 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,45792.0,1.00%,F,T)



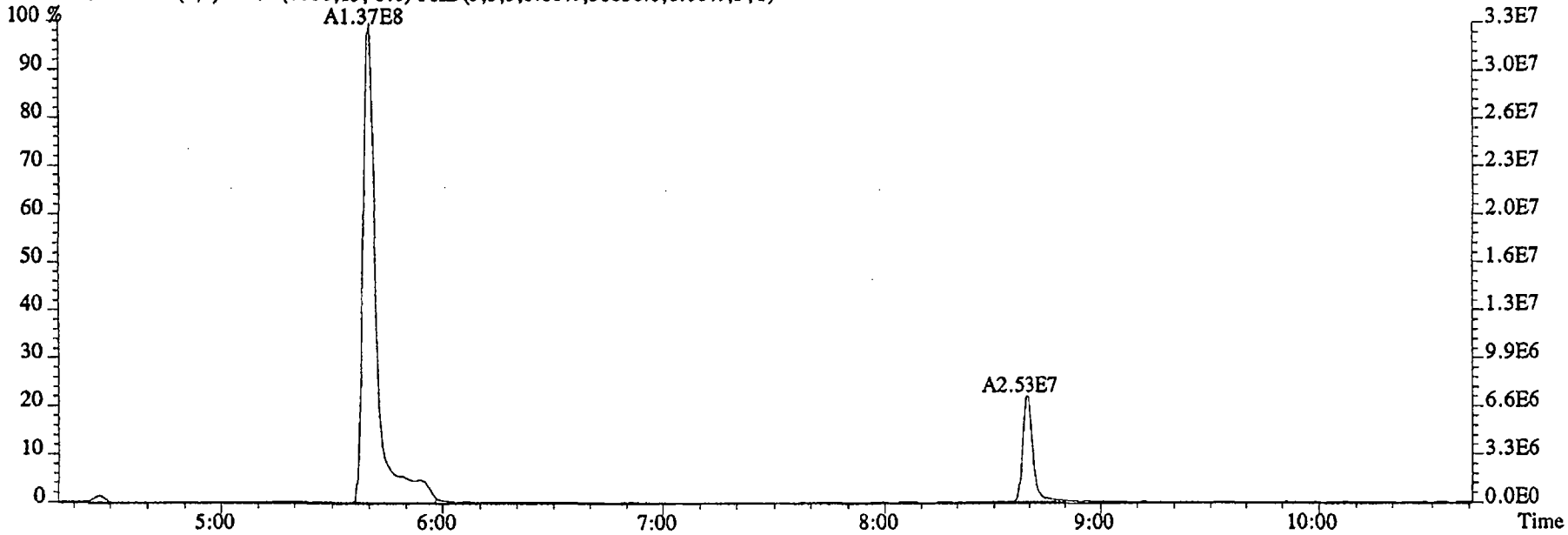
76.9972 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6684.0,1.00%,F,T)



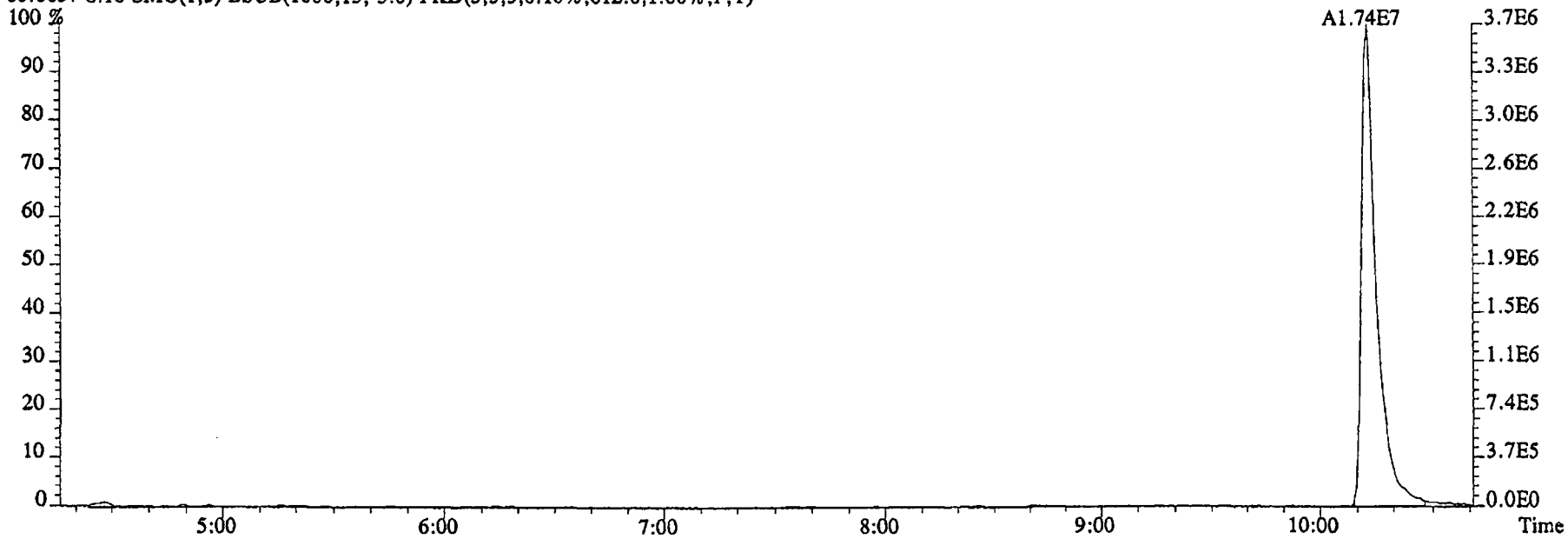
79.0253 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5488.0,1.00%,F,T)



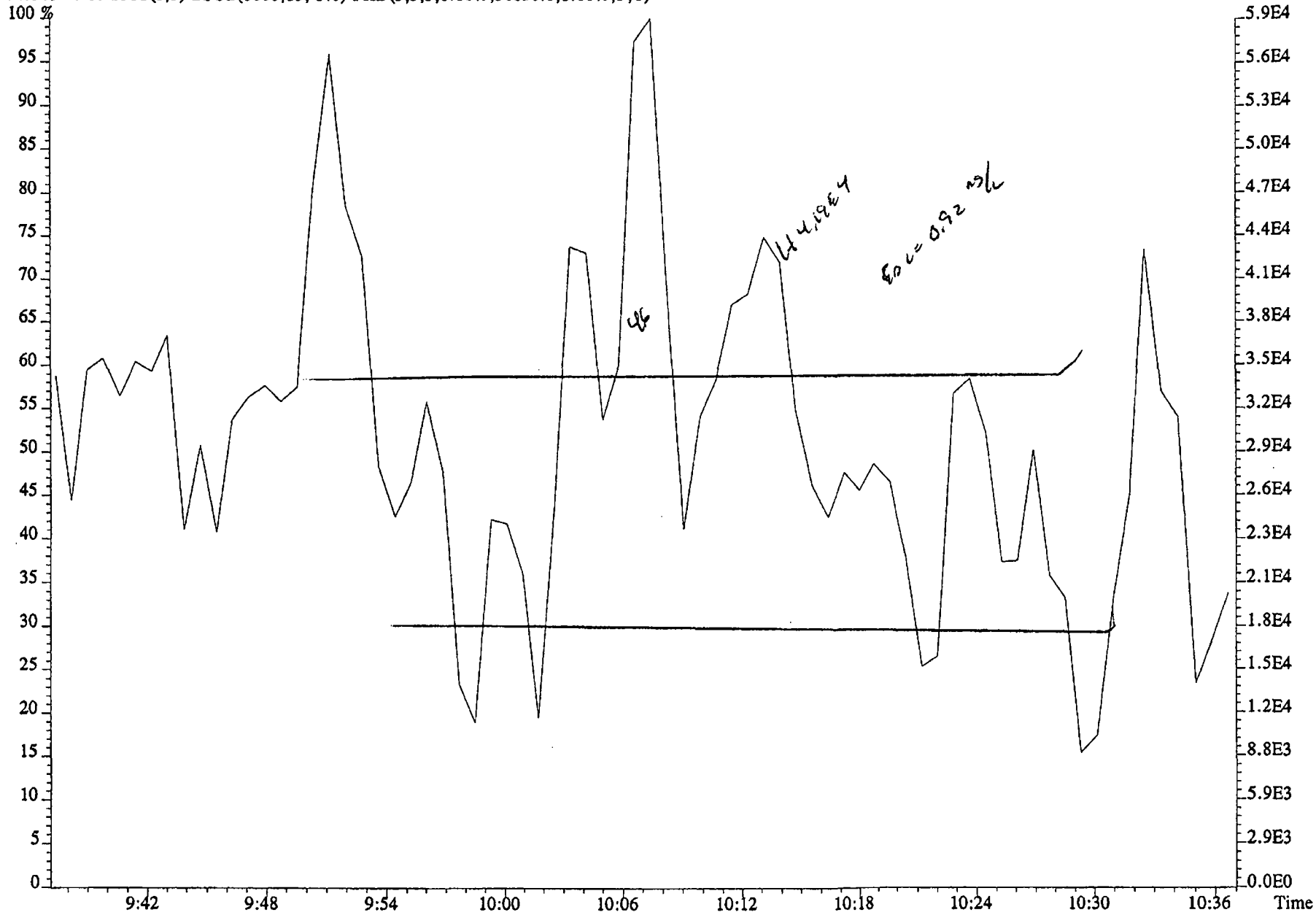
File:29DE045SP #1-475 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
74.0480 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36836.0,1.00%,F,T)



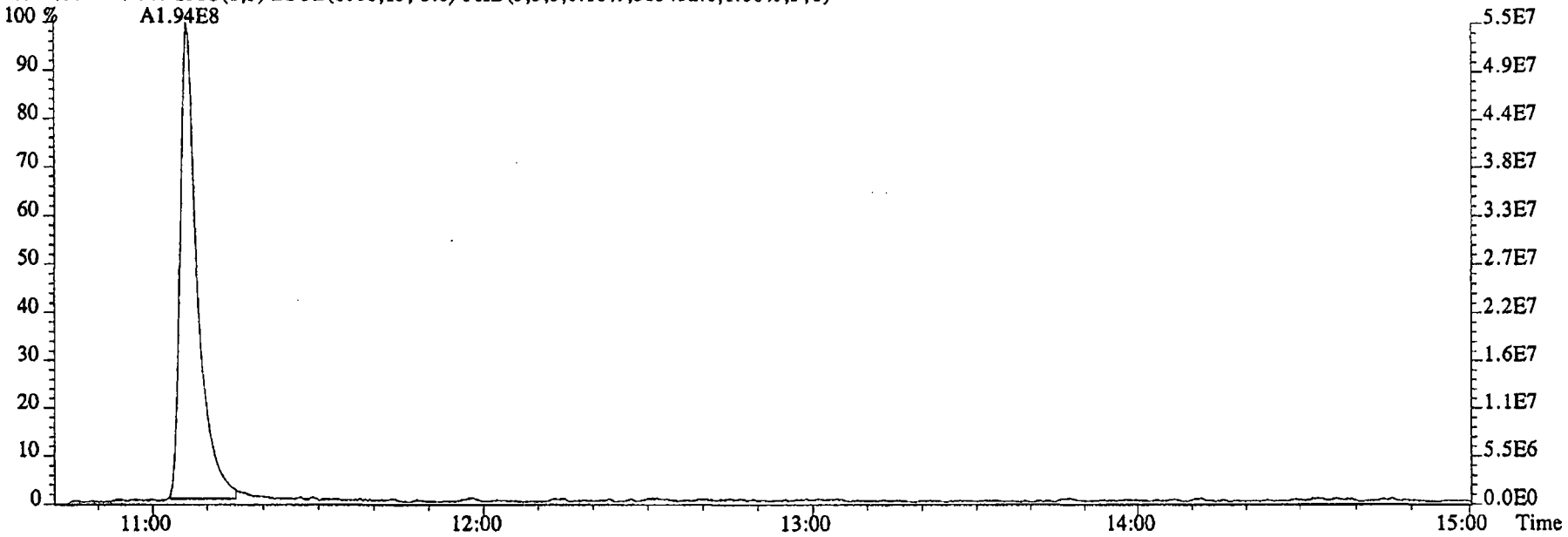
80.0857 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



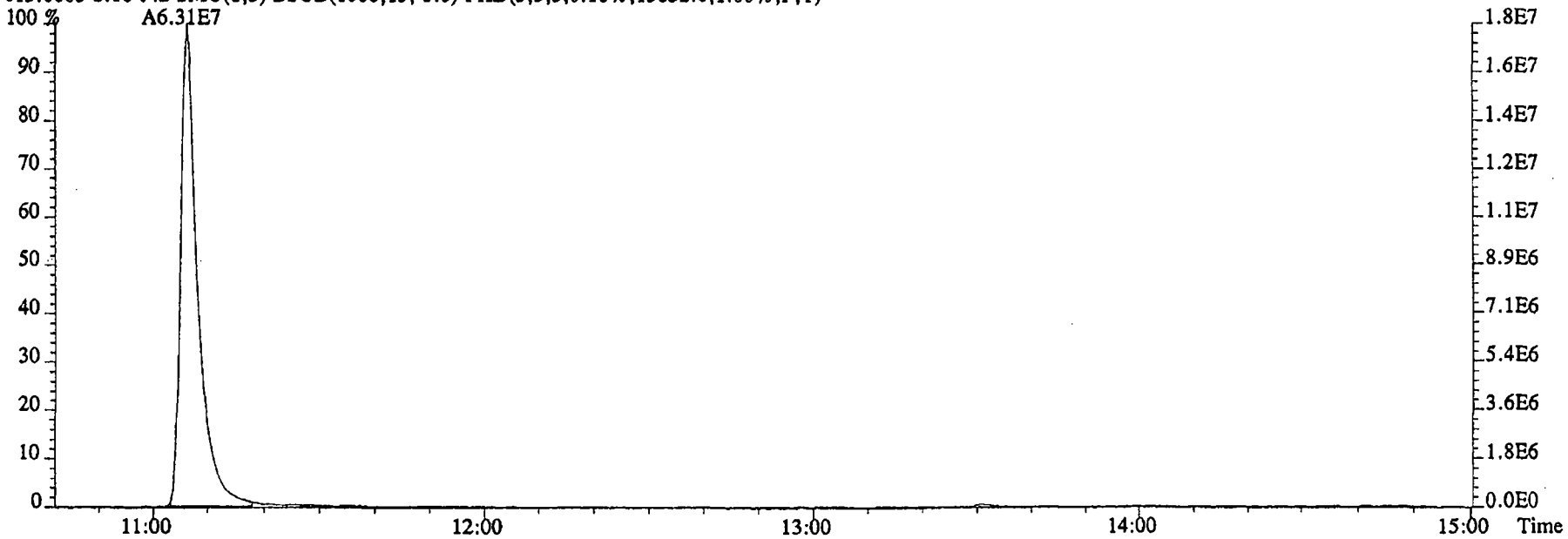
File:29DE045SP #1-475 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
74.0480 S:16 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36836.0,1.00%,F,T)



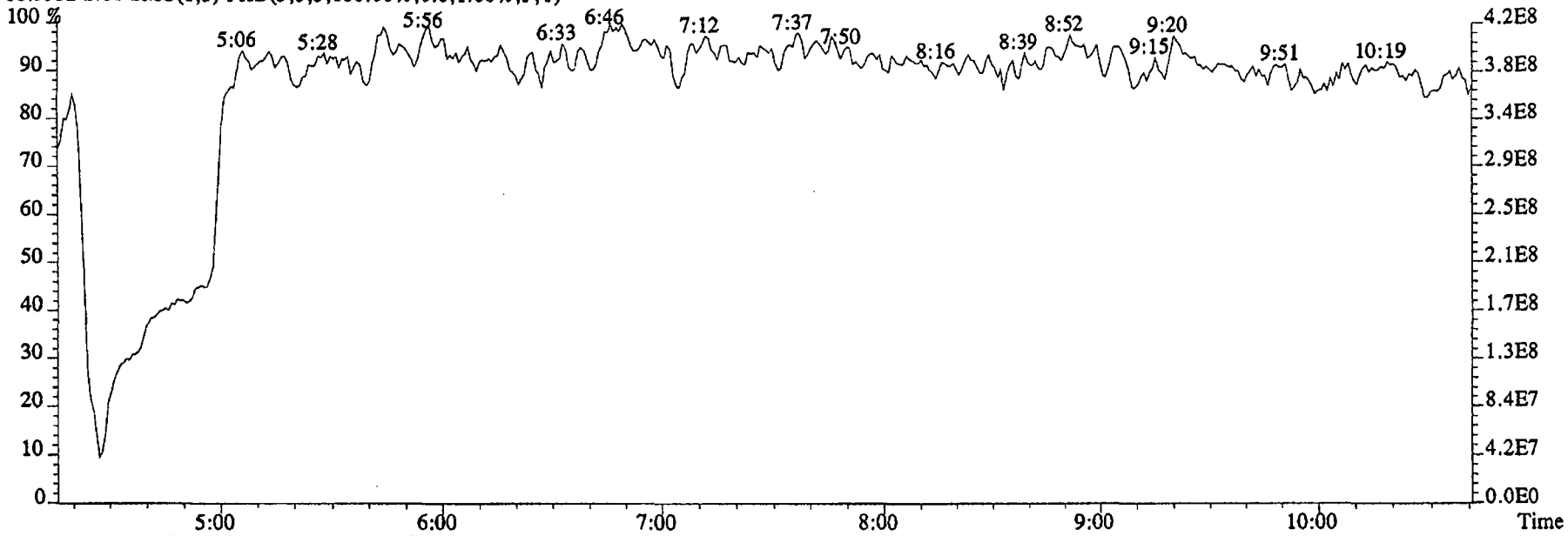
File:29DE045SP #1-602 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
113.0032 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,583432.0,1.00%,F,T)



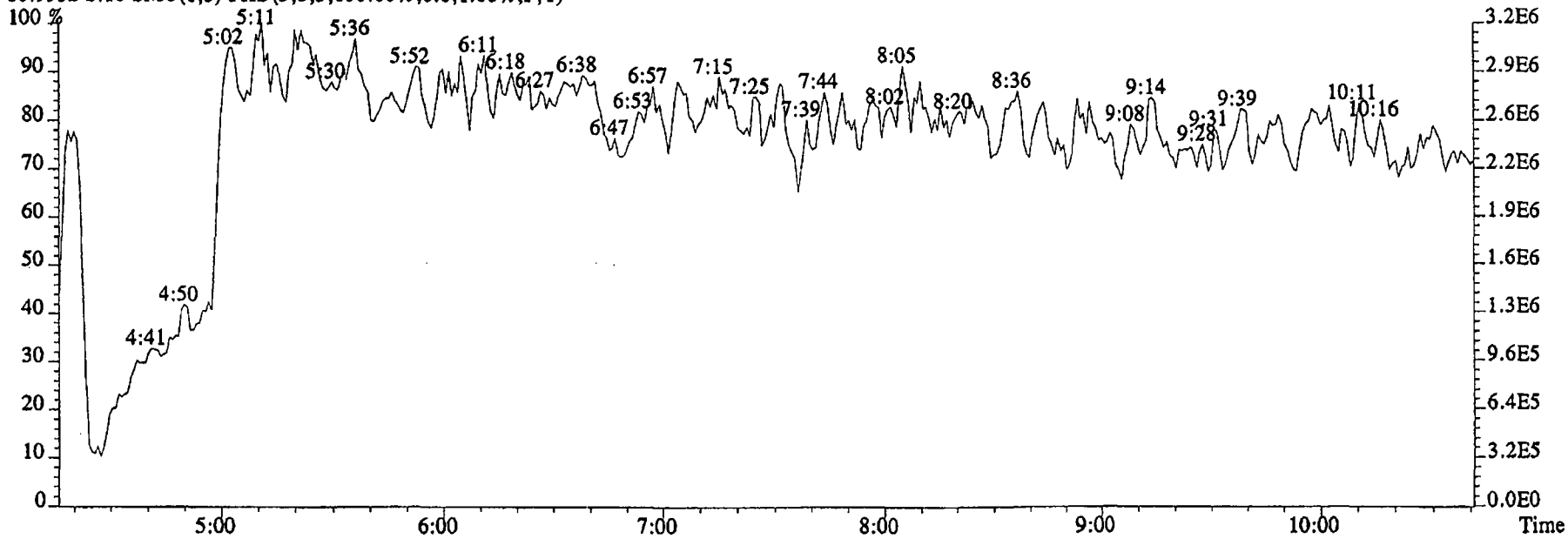
115.0003 S:16 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15852.0,1.00%,F,T)



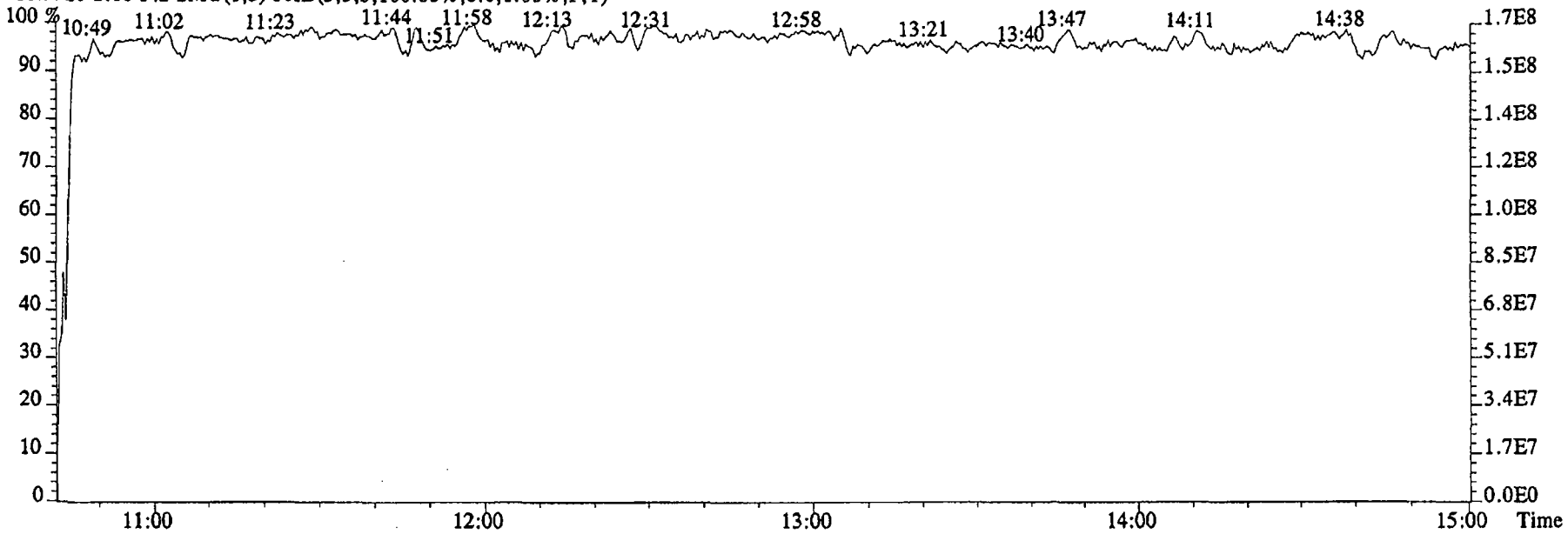
File:29DE045SP #1-475 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
68.9952 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



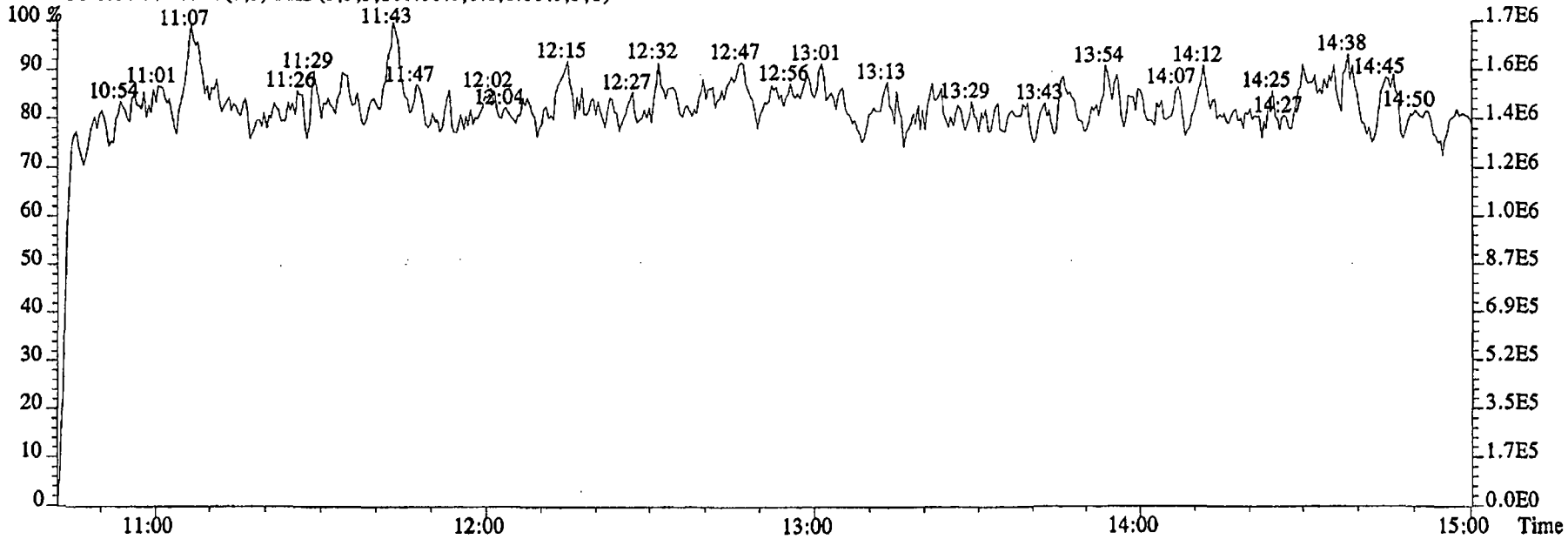
80.9952 S:16 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-602 Acq:29-DEC-2004 18:37:22 GC EI+ Voltage SIR 70SE
Sample#16 Text:G0K7F-2-AC :G4L080479-6RX Exp:NDMAVOA
118.9920 S:16 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:16 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Initial Calibration

Includes (as applicable):

runlog

standard raw data

statistical summary

ms tune data

SEVERN TRENT SERVICES

Initial Calibration Checklist

High Resolution

ICAL ID 1625121604 5SP

Method ID 1625

Column ID SP-2331

Instrument ID 5SP

STD ID's ST1216 & ST1216(A-D)

STD Solution 2350-68(A-E)

Multiplier Setting 720

Analyzed By AM

Date Analyzed 12/16/04

Prepared By KAS

Date Prepared 12/17/04

Reviewed By Epickell

Date Reviewed 12-17-04

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?*	✓	✓
Isotopic ratios within limits?	NA	NA
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	NA	NA

COMMENTS:

*Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
Method 1613A: %CV ≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
DBD/DBF: %RSD ≤ 30% for natives, ≤ 40% for labeled analytes; S/N ≥ 10

Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP

ST1216 :CS1 2350-68A ST1216A :CS2 2350-68B ST1216B :CS3 2350-68C
ST1216C :CS4 2350-68D ST1216D :CS5 2350-68E

Name	Mean	S. D.	%RSD	16DE045SP S1 RRF1	16DE045SP S2 RRF2	16DE045SP S3 RRF3	16DE045SP S4 RRF4	16DE045SP S5 RRF5
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	0.655	0.110	16.8 %	0.59	0.60	0.76	0.79	0.54
1,4-Dioxane	1.054	0.135	12.8 %	1.07	0.90	0.96	1.09	1.25
D5-123-TriChloroPropane	2.351	0.108	4.60 %	2.53	2.35	2.28	2.25	2.35
1,2,3-TriChloroPropane	0.482	0.031	6.41 %	0.46	0.45	0.47	0.52	0.51
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.481	0.073	4.91 %	1.50	1.43	1.38	1.52	1.57
NDMA	1.374	0.065	4.74 %	1.29	1.32	1.39	1.44	1.42
2-Chloropyridine	-	-	- %	-	-	-	-	-

Run #1 Filename 16DE045SP S: 1 I: 1
Acquired: 16-DEC-04 18:38:32 Processed: 16-DEC-04 20:22:18
Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
Comments:

Sample text: ST1216 :CS1 2350-68A

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	96609900		11:05	-	200.00	n
D8-1,4-Dioxane	286004000		5:07	0.59	1000.00	n
1,4-Dioxane	614779		5:07	1.07	2.00	n
D5-123-TriChloroPropane	122172000		10:00	2.53	100.00	n
1,2,3-TriChloroPropane	1130890		10:04	0.46	2.00	n
1,2,3-TriChloroPropane	3095370		10:04	-	2.00	n
D6-NDMA	72477700		10:11	1.50	100.00	n
NDMA	1869940		10:11	1.29	2.00	n
2-Chloropyridine	311525000		11:05	-	200.00	n

Run #2 Filename 16DE045SP S: 2 I: 1
Acquired: 16-DEC-04 18:58:44 Processed: 16-DEC-04 20:22:18
Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
Comments:
Sample text: ST1216A :CS2 2350-68B

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	85649100		11:04	-	200.00	n
D8-1,4-Dioxane	256238000		5:07	0.60	1000.00	n
1,4-Dioxane	2296160		5:07	0.90	10.00	n
D5-123-TriChloroPropane	100553000		10:01	2.35	100.00	n
1,2,3-TriChloroPropane	4493240		10:04	0.45	10.00	n
1,2,3-TriChloroPropane	12621800		10:04	-	10.00	n
D6-NDMA	61392400		10:11	1.43	100.00	n
NDMA	8117350		10:10	1.32	10.00	n
2-Chloropyridine	267984000		11:04	-	200.00	n

Run #3 Filename 16DE045SP S: 3 I: 1
Acquired: 16-DEC-04 19:19:02 Processed: 16-DEC-04 20:22:18
Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
Comments:
Sample text: ST1216B :CS3 2350-68C

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	74671200		11:04	-	200.00	n
D8-1,4-Dioxane	283007000		5:06	0.76	1000.00	n
1,4-Dioxane	13638000		5:06	0.96	50.00	n
D5-123-TriChloroPropane	85135300		10:00	2.28	100.00	n
1,2,3-TriChloroPropane	20011300		10:03	0.47	50.00	n
1,2,3-TriChloroPropane	61347200		10:03	-	50.00	n
D6-NDMA	51704300		10:11	1.38	100.00	n
NDMA	36015900		10:10	1.39	50.00	n
2-Chloropyridine	234512000		11:04	-	200.00	n

Run #4 Filename 16DE045SP S: 4 I: 1
Acquired: 16-DEC-04 19:39:23 Processed: 16-DEC-04 20:22:19
Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
Comments:
Sample text: ST1216C :CS4 2350-68D

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	92313400		11:04	-	200.00	n
D8-1,4-Dioxane	363901000		5:06	0.79	1000.00	n
1,4-Dioxane	79125200		5:06	1.09	200.00	n
D5-123-TriChloroPropane	103880000		10:00	2.25	100.00	n
1,2,3-TriChloroPropane	107415000		10:03	0.52	200.00	n
1,2,3-TriChloroPropane	320743000		10:03	-	200.00	n
D6-NDMA	69959300		10:10	1.52	100.00	n
NDMA	201702000		10:10	1.44	200.00	n
2-Chloropyridine	299459000		11:04	-	200.00	n

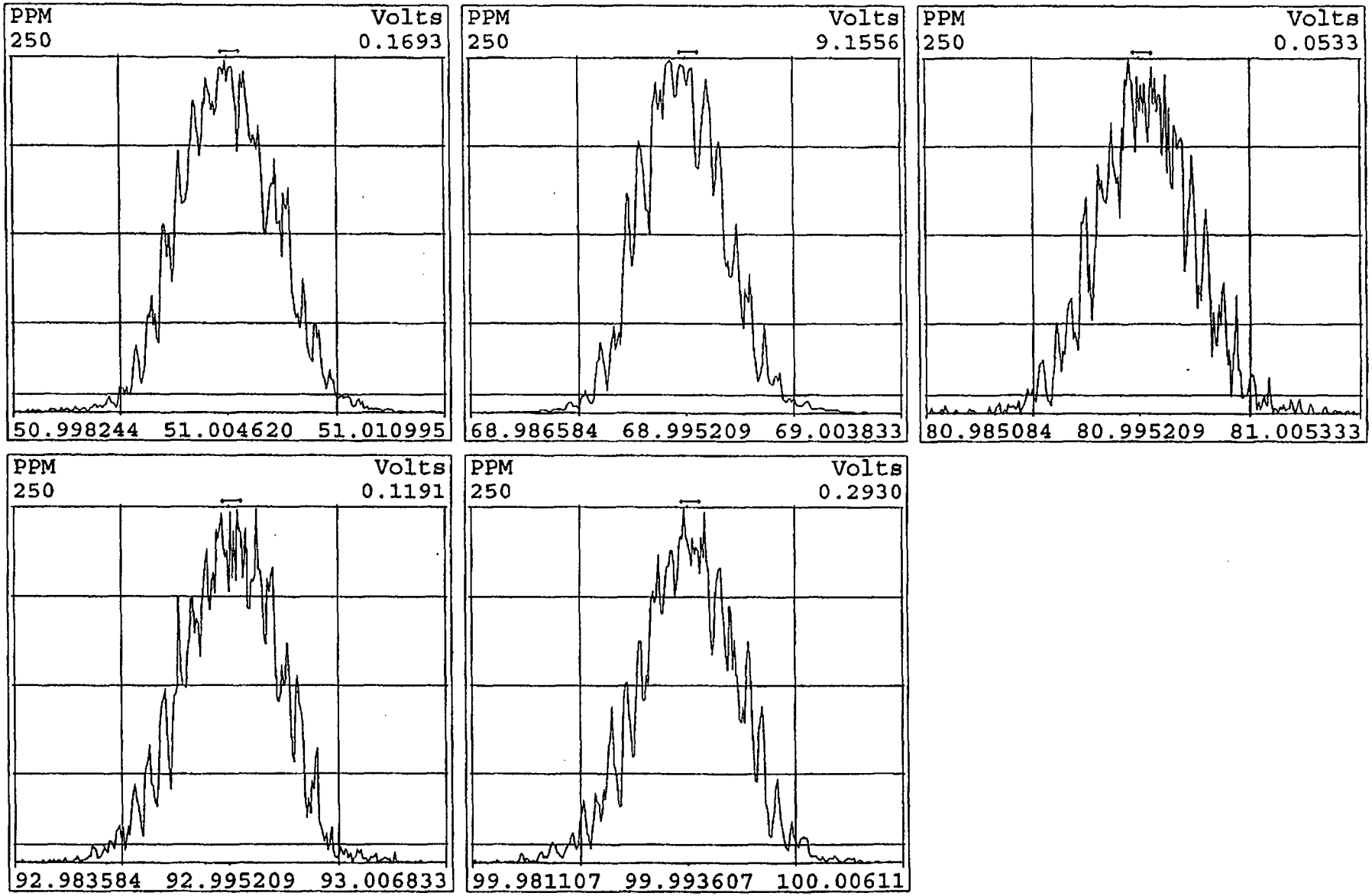
Run #5 Filename 16DE045SP S: 5 I: 1
Acquired: 16-DEC-04 19:59:44 Processed: 16-DEC-04 20:22:19
Run: 16DE045SPIC Analyte: 1625 Cal: 16251216045SP
Comments:
Sample text: ST1216D :CS5 2350-68E

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	141158000		11:03	-	200.00	n
D8-1,4-Dioxane	381356000		5:06	0.54	1000.00	n
1,4-Dioxane	476785000		5:06	1.25	1000.00	n
D5-123-TriChloroPropane	165660000		9:59	2.35	100.00	n
1,2,3-TriChloroPropane	846719000		10:03	0.51	1000.00	n
1,2,3-TriChloroPropane	2510210000		10:03	-	1000.00	n
D6-NDMA	110886000		10:10	1.57	100.00	n
NDMA	1576780000		10:10	1.42	1000.00	n
2-Chloropyridine	453774000		11:03	-	200.00	n

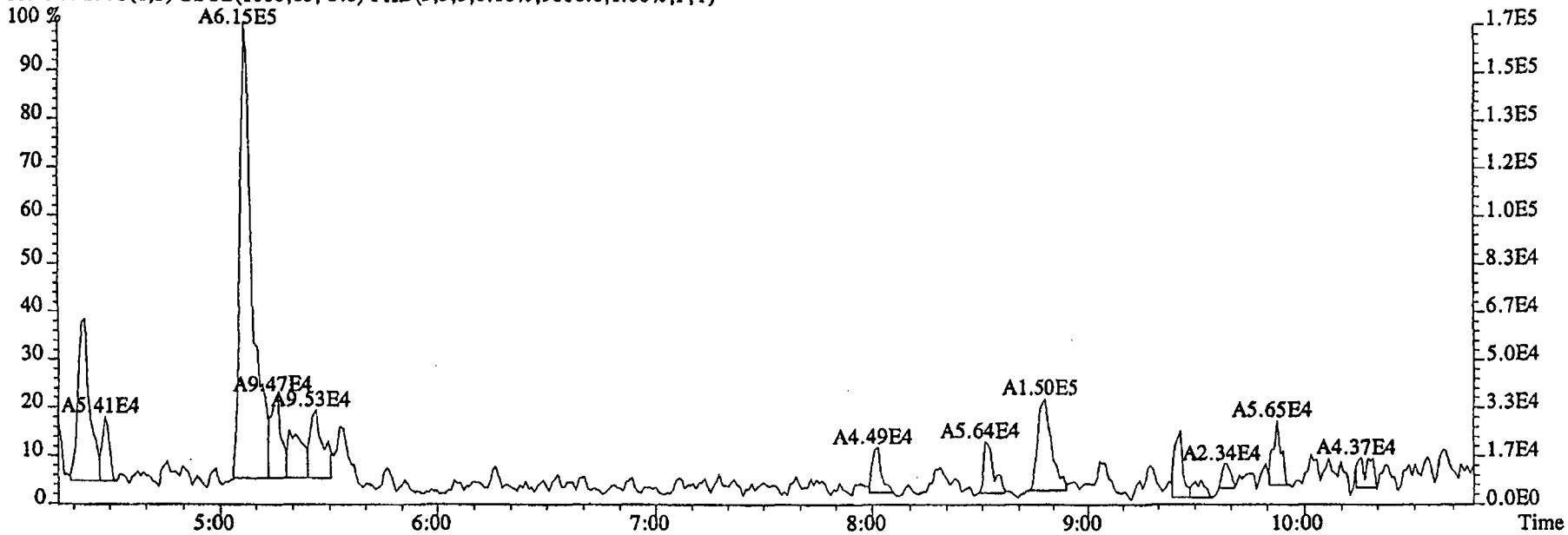
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
16DE045SP	1	ST1216	CS1 2350-68A				1.000	
16DE045SP	2	ST1216A	CS2 2350-68B				1.000	
16DE045SP	3	ST1216B	CS3 2350-68C				1.000	
16DE045SP	4	ST1216C	CS4 2350-68D				1.000	
16DE045SP	5	ST1216D	CS5 2350-68E				1.000	
16DE045SP	6	SB1216	Solvent Blank DCM				1.000	
16DE045SP	7	ST1216E	CS3 2350-68C				1.000	
16DE045SP	8	SB1216A	Solvent Blank DCM				1.000	
16DE045SP	9	GX4KD-1-AA	G4L040149-2	500	1625/WATER	VS54	1.052	L
16DE045SP	10	GX4KE-1-AA	G4L020149-3	500	1625/WATER		0.977	L
16DE045SP	11	GX4KF-1-AA	G4L020149-4	500	1625/WATER		0.982	L
16DE045SP	12	GX4KG-1-AA	G4L020149-5	500	1625/WATER		1.006	L
16DE045SP	13	G0XDP-1-AA	G4L080479-MB	500	1625/WATER		1.000	L
16DE045SP	14	G0XDP-1-AC	G4L080479-LCS	500	1625/WATER		1.000	L
16DE045SP	15	G0K68-1-AC	G4L080479-1	500	1625/WATER		0.943	L
16DE045SP	16	G0K69-1-AC	G4L080479-2	500	1625/WATER		0.974	L
16DE045SP	17	G0K7A-1-AC	G4L080479-3	500	1625/WATER		0.968	L
16DE045SP	18	G0K7D-1-AC	G4L080479-4	500	1625/WATER		0.928	L
16DE045SP	19	G0K7E-1-AC	G4L080479-5	500	1625/WATER		0.928	L
16DE045SP	20	G0K7F-1-AC	G4L080479-6	500	1625/WATER		0.936	L
16DE045SP	21	G0HM6-1-AE	E4L080175-4	500	1625/WATER		0.965	L
16DE045SP	22	G0HM7-1-AE	E4L080175-5	500	1625/WATER		0.995	L
DE045SP	23	G0PC2-1-AC	G4L090480-1	500	1625/WATER		0.966	L
16DE045SP	24	G0PC4-1-AC	G4L090480-2	500	1625/WATER		0.986	L
16DE045SP	25	G0PC5-1-AC	G4L090480-3	500	1625/WATER		0.961	L
16DE045SP	26	G0MLW-1-AA	G4L090264-1	500	1625/WATER		0.966	L
16DE045SP	27	G0PDJ-1-AA	G4L090484-1	500	1625/WATER		0.962	L
16DE045SP	28	SB1216B	Solvent Blank DCM				1.000	
16DE045SP	29	ST1216F	CS3 2350-68C				1.000	
16DE045SP	30	SB1216C	Solvent Blank DCM				1.000	
16DE045SP	31	G05QJ-1-AAB	E4L090217-1MB	500	1625/WATER	VS55	1.000	L
16DE045SP	32	G05QJ-1-ACC	E4L090217-1LCS	500	1625/WATER		1.000	L
16DE045SP	33	G05QJ-1-ADL	E4L090217-1DCS	500	1625/WATER		1.000	L
16DE045SP	34	G0L86-1-AA	E4L090217-1	500	1625/WATER		0.979	L
16DE045SP	35	G0L9A-1-AA	E4L090217-2	500	1625/WATER		0.980	L
16DE045SP	36	G0L9J-1-AE	E4L090217-4	500	1625/WATER		0.974	L
16DE045SP	37	G0L93-1-AE	E4L090217-5	500	1625/WATER		0.972	L
16DE045SP	38	G0L95-1-AE	E4L090217-6	500	1625/WATER		0.984	L
16DE045SP	39	G0L99-1-AE	E4L090217-8	500	1625/WATER		0.987	L
16DE045SP	40	G0MAA-1-AE	E4L090217-9	500	1625/WATER		0.973	L
16DE045SP	41	G0MAF-1-AE	E4L090217-10	500	1625/WATER		0.988	L
16DE045SP	42	G0XAD-1-AC	G4L130173-26	500	1625/WATER		0.988	L
16DE045SP	43	G0XAG-1-AC	G4L130173-27	500	1625/WATER		0.987	L
16DE045SP	44	G0R1N-1-AC	G4L100385-1	500	1625/WATER		0.947	L
16DE045SP	45	G0R1W-1-AC	G4L100385-2	500	1625/WATER		0.990	L
16DE045SP	46	G0R10-1-AC	G4L100385-3	500	1625/WATER		0.986	L
16DE045SP	47	G0R12-1-AC	G4L100385-4	500	1625/WATER		0.953	L
DE045SP	48	G0R14-1-AA	G4L100385-5	500	1625/WATER		0.972	L
DE045SP	49	SB1216D	Solvent Blank DCM				1.000	
16DE045SP	50	SB1216E	Solvent Blank DCM				1.000	
16DE045SP	51	ST1216G	CS3 2350-68C				1.000	
16DE045SP	52	SB1216F	Solvent Blank DCM				1.000	
16DE045SP	53	G04X9-1-AAB	G4L130173-1MB	500	1625/SOLID	VS55	10.000	g

16DE045SP	54	G04X9-1-ACC	G4L130173-1LCS	500	1625/SOLID	10.000 g
16DE045SP	55	G0W7T-1-AC	G4L130173-1	500	1625/SOLID	10.000 g
16DE045SP	56	G0W7X-1-AC	G4L130173-2	500	1625/SOLID	10.000 g
16DE045SP	57	G0W70-1-AC	G4L130173-3	500	1625/SOLID	10.000 g
16DE045SP	58	G0W74-1-AC	G4L130173-4	500	1625/SOLID	10.000 g
16DE045SP	59	G0W77-1-AC	G4L130173-5	500	1625/SOLID	10.000 g
16DE045SP	60	G0W77-1-AFS	G4L130173-5MS	500	1625/SOLID	10.000 g
16DE045SP	61	G0W77-1-AGD	G4L130173-5SD	500	1625/SOLID	10.000 g
16DE045SP	62	G0W79-1-AD	G4L130173-6	500	1625/SOLID	10.000 g
16DE045SP	63	G0W8D-1-AD	G4L130173-7	500	1625/SOLID	10.000 g
16DE045SP	64	G0W8F-1-AD	G4L130173-8	500	1625/SOLID	10.000 g
16DE045SP	65	G0W8J-1-AD	G4L130173-9	500	1625/SOLID	10.000 g
16DE045SP	66	G0W8K-1-AD	G4L130173-10	500	1625/SOLID	10.000 g
16DE045SP	67	G0W8N-1-AD	G4L130173-11	500	1625/SOLID	10.000 g
16DE045SP	68	G0W8R-1-AD	G4L130173-12	500	1625/SOLID	10.000 g
16DE045SP	69	G0W8W-1-AD	G4L130173-13	500	1625/SOLID	10.000 g
16DE045SP	70	G0W82-1-AD	G4L130173-14	500	1625/SOLID	10.000 g
16DE045SP	71	G0W84-1-AD	G4L130173-15	500	1625/SOLID	10.000 g
16DE045SP	72		G4L130173-16	500	1625/SOLID	10.000 g
16DE045SP	73	G0W9D-1-AD	G4L130173-17	500	1625/SOLID	10.000 g
16DE045SP	74	G0W9G-1-AD	G4L130173-18	500	1625/SOLID	10.000 g
16DE045SP	75	G0W9H-1-AD	G4L130173-19	500	1625/SOLID	10.000 g
16DE045SP	76	G0407-1-ACC	G4L130173-20LCS	500	1625/SOLID	10.000 g
16DE045SP	77	G0407-1-AAB	G4L130173-20MB	500	1625/SOLID	10.000 g
16DE045SP	78	G0W9N-1-AD	G4L130173-20	500	1625/SOLID	10.000 g
16DE045SP	79	G0W9N-1-AJS	G4L130173-20MS	500	1625/SOLID	10.000 g
16DE045SP	80	G0W9N-1-AKD	G4L130173-20SD	500	1625/SOLID	10.000 g
16DE045SP	81	G0W9Q-1-AD	G4L130173-21	500	1625/SOLID	10.000 g
16DE045SP	82	G0W9W-1-AD	G4L130173-22	500	1625/SOLID	10.000 g
16DE045SP	83	G0W93-1-AD	G4L130173-23	500	1625/SOLID	10.000 g
16DE045SP	84	G0W95-1-AD	G4L130173-24	500	1625/SOLID	10.000 g
16DE045SP	85	G0W98-1-CD	G4L130173-25	500	1625/SOLID	10.000 g
16DE045SP	86	SB1216G	Solvent Blank DCM			1.000
16DE045SP	87	SB1216H	Solvent Blank DCM			1.000
16DE045SP	88	ST1216H	CS3 2350-68C			1.000
16DE045SP	89					1.000
16DE045SP	90					1.000
16DE045SP	91					1.000
16DE045SP	92		AM 12-16-04			1.000

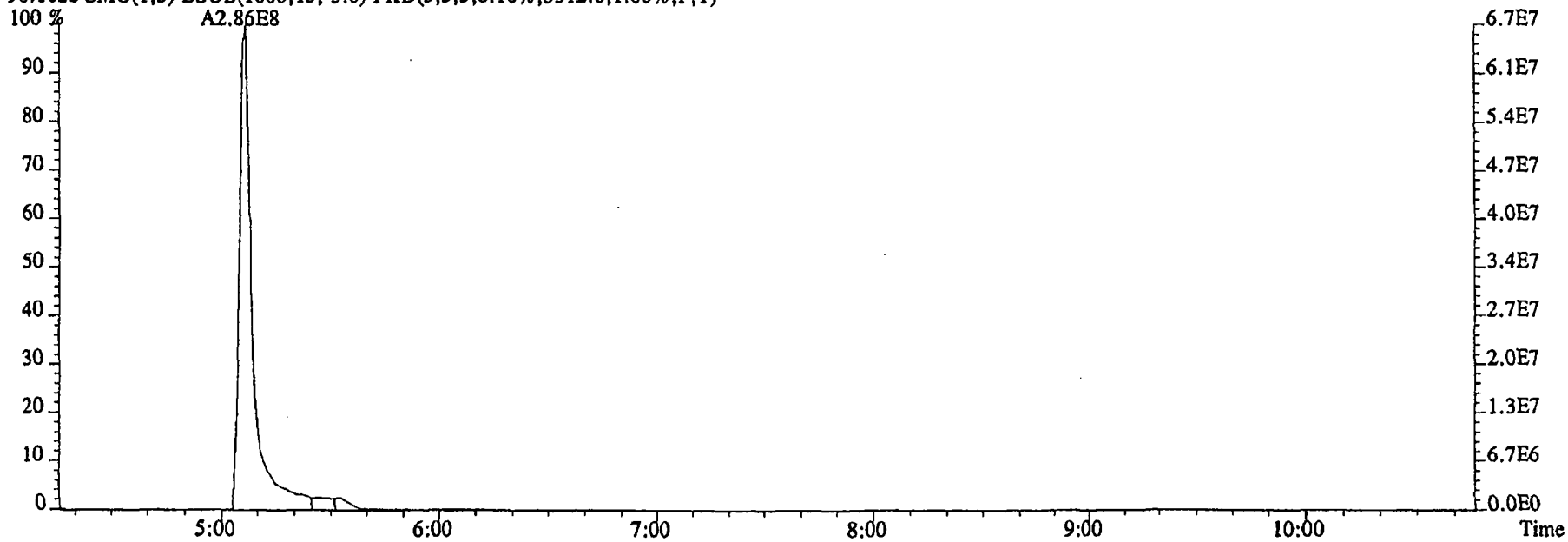
Peak Locate Examination:16-DEC-2004:18:36 File:16DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK



File:16DE045SP #1-481 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
88.0524 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9008.0,1.00%,F,T)

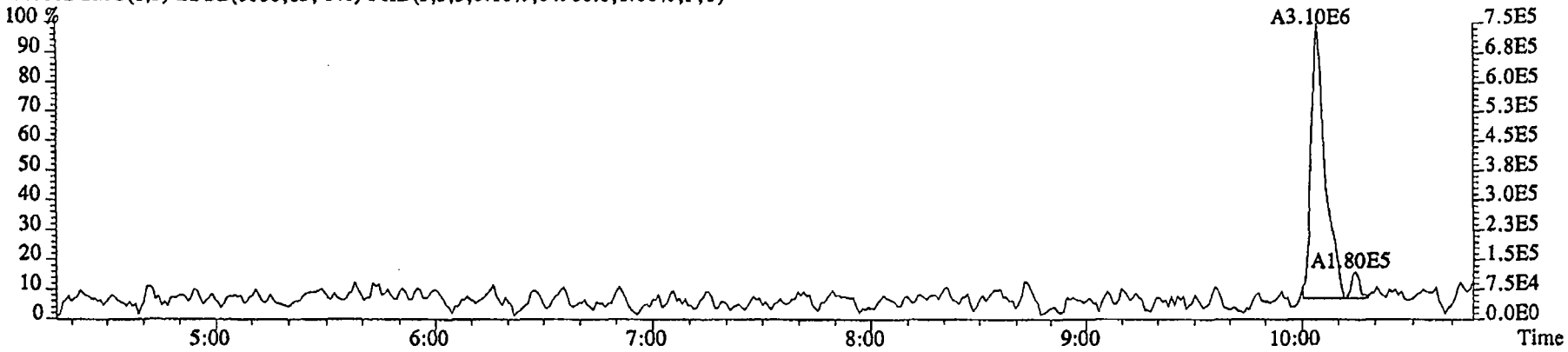


96.1026 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5312.0,1.00%,F,T)

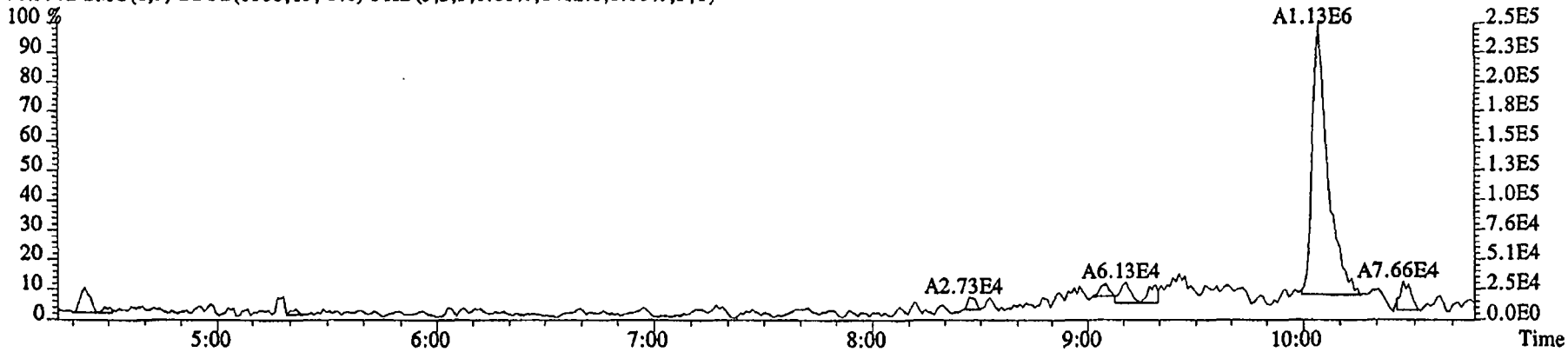


File:16DE045SP #1-481 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA

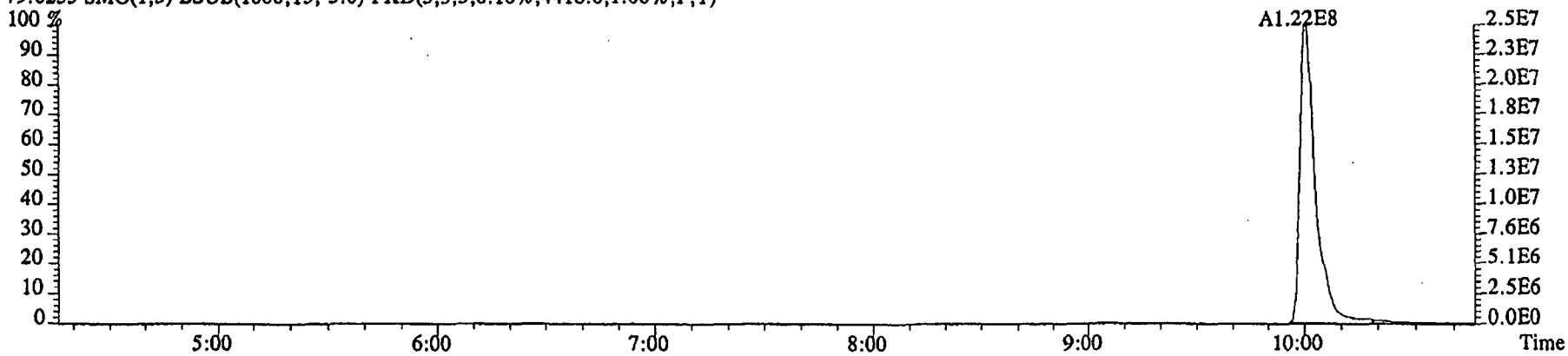
75.0002 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64900.0,1.00%,F,T)



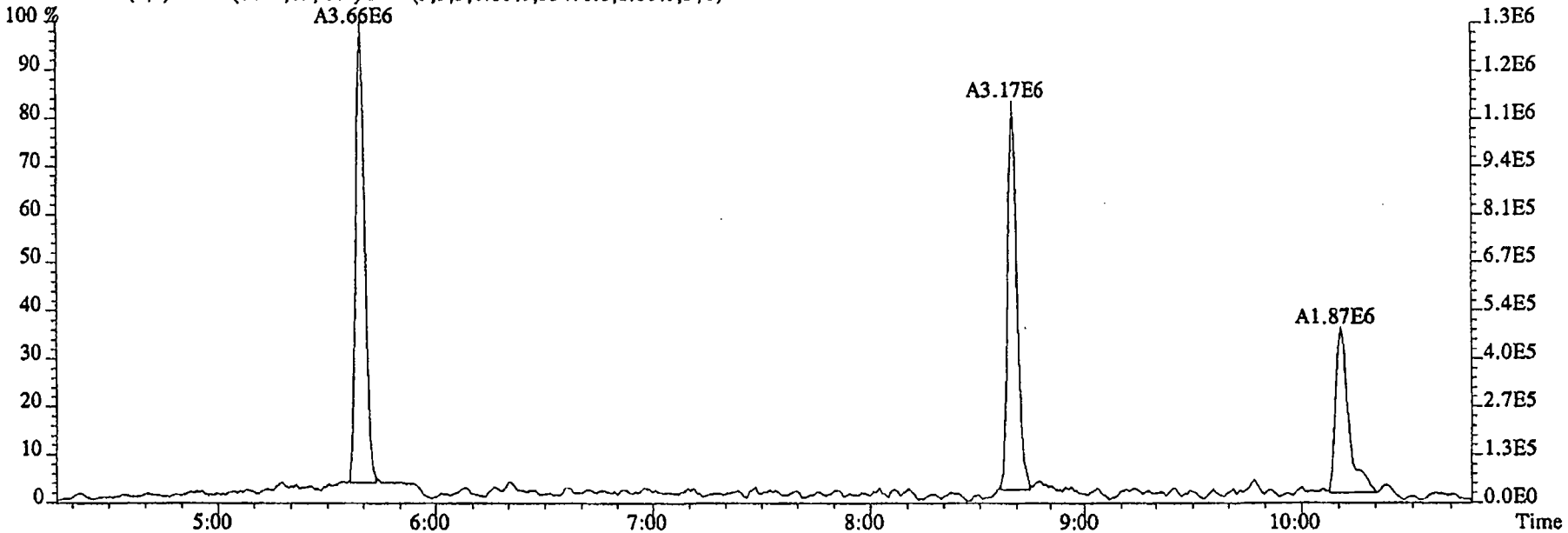
76.9972 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8412.0,1.00%,F,T)



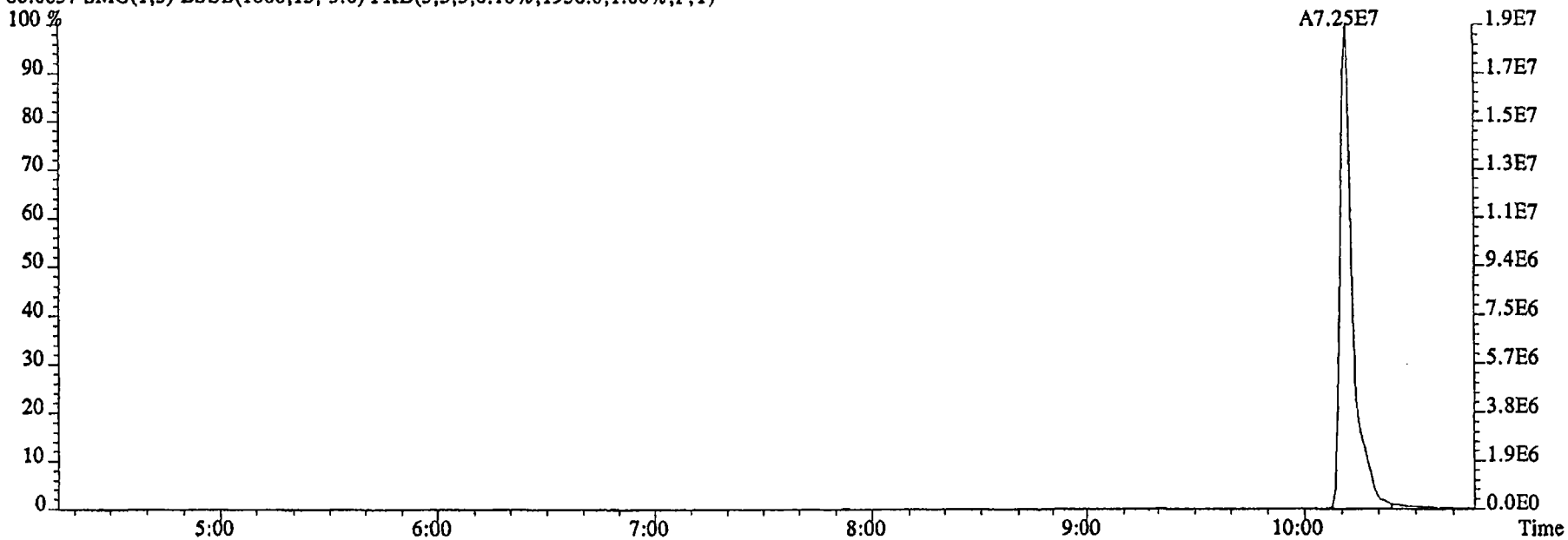
79.0253 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4416.0,1.00%,F,T)



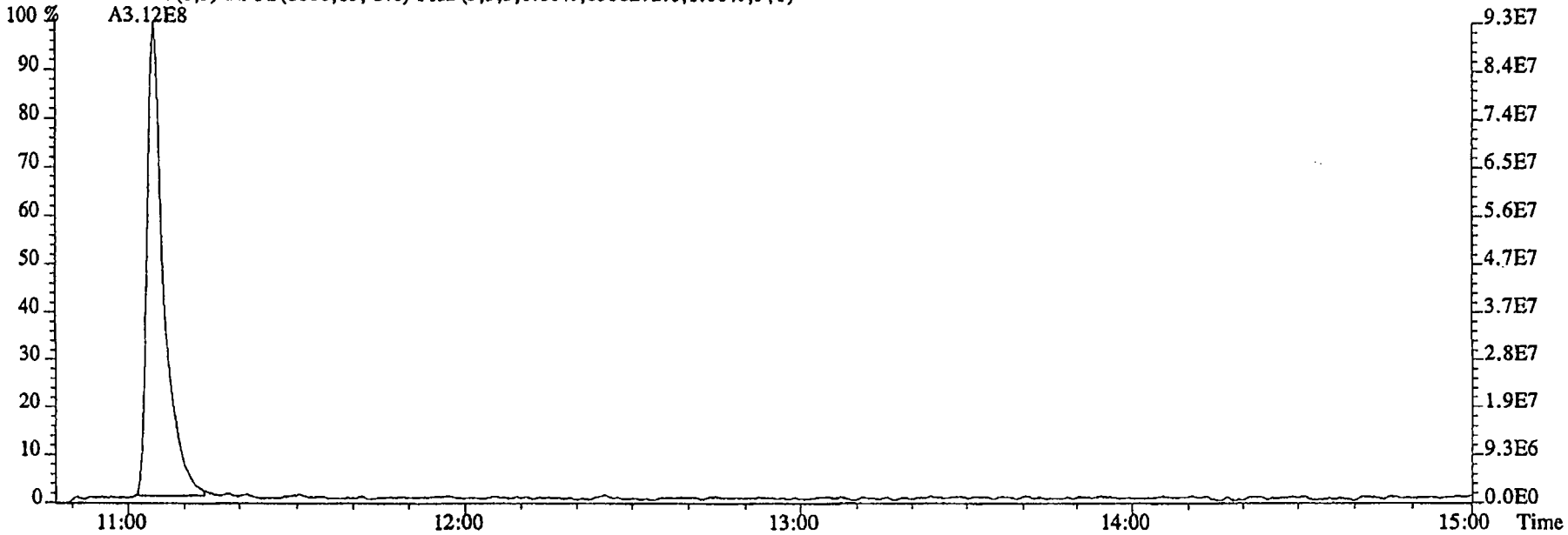
File:16DE045SP #1-481 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35476.0,1.00%,F,T)



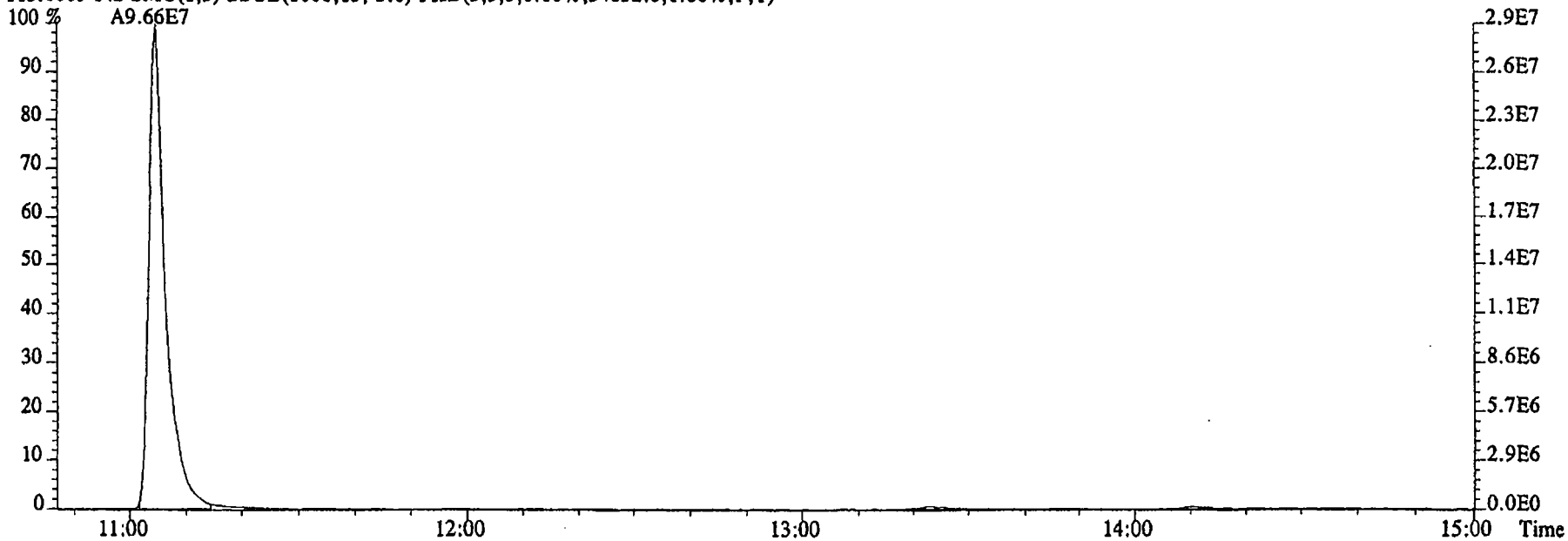
80.0857 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1956.0,1.00%,F,T)



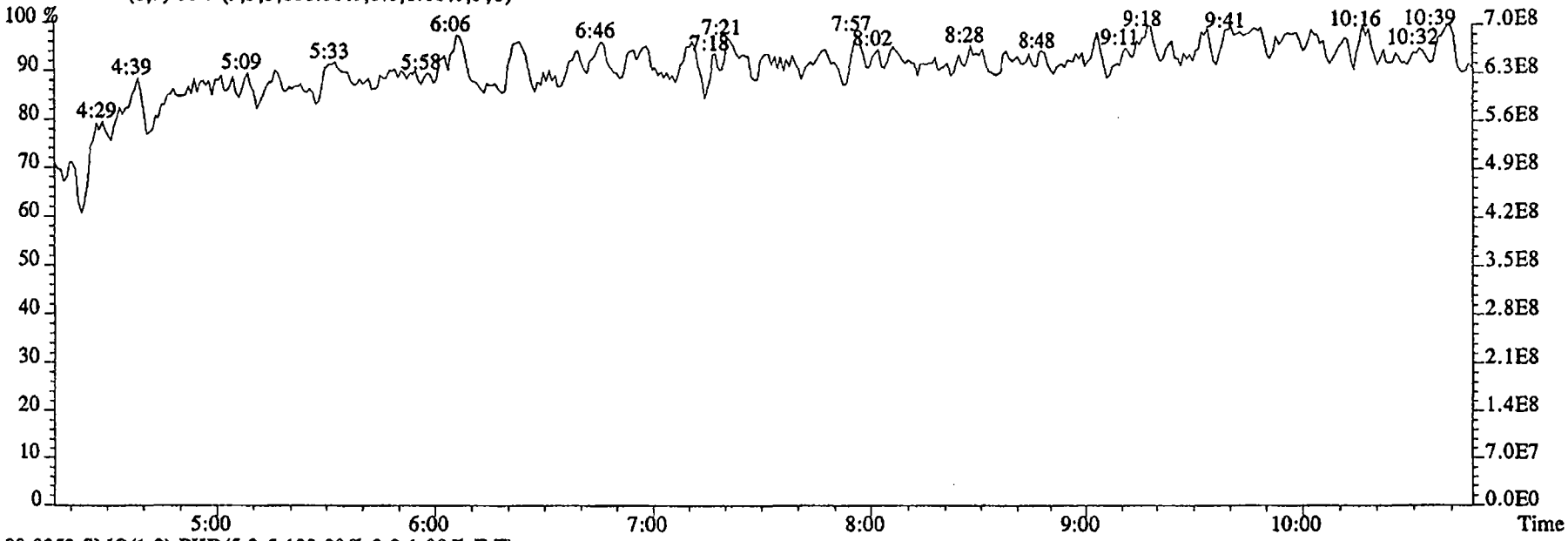
File:16DE045SP #1-590 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
113.0032 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1308272.0,1.00%,F,T)



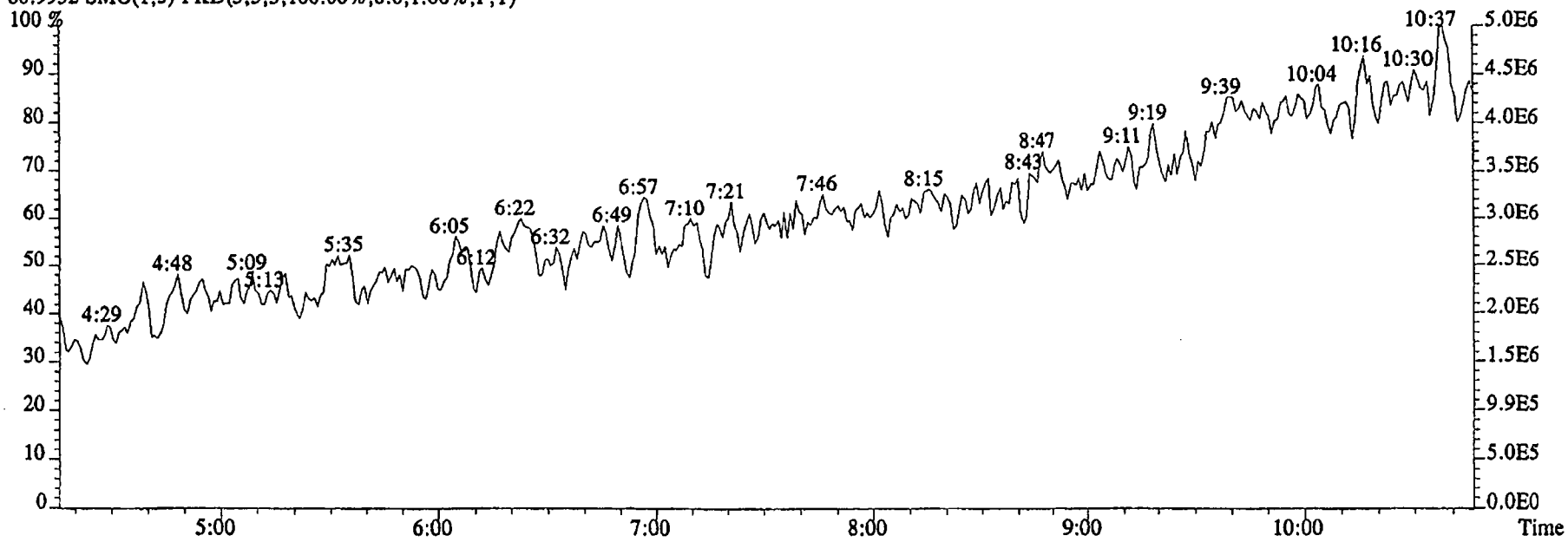
115.0003 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,34632.0,1.00%,F,T)



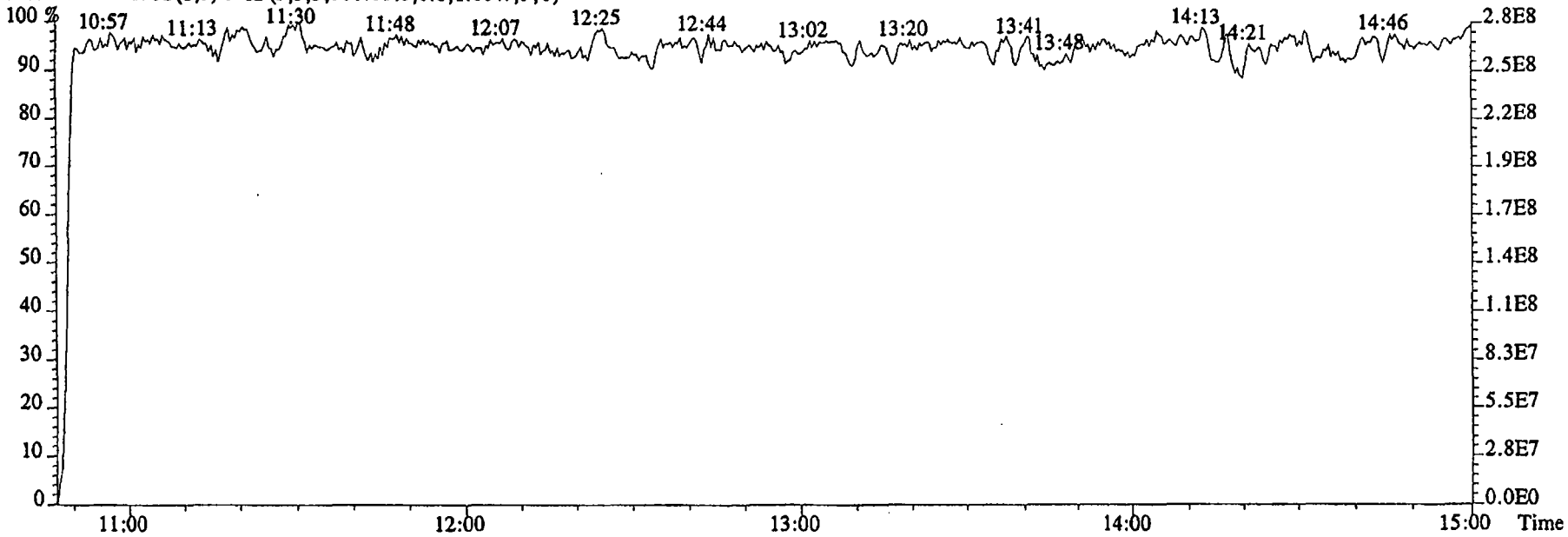
File:16DE045SP #1-481 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
68.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



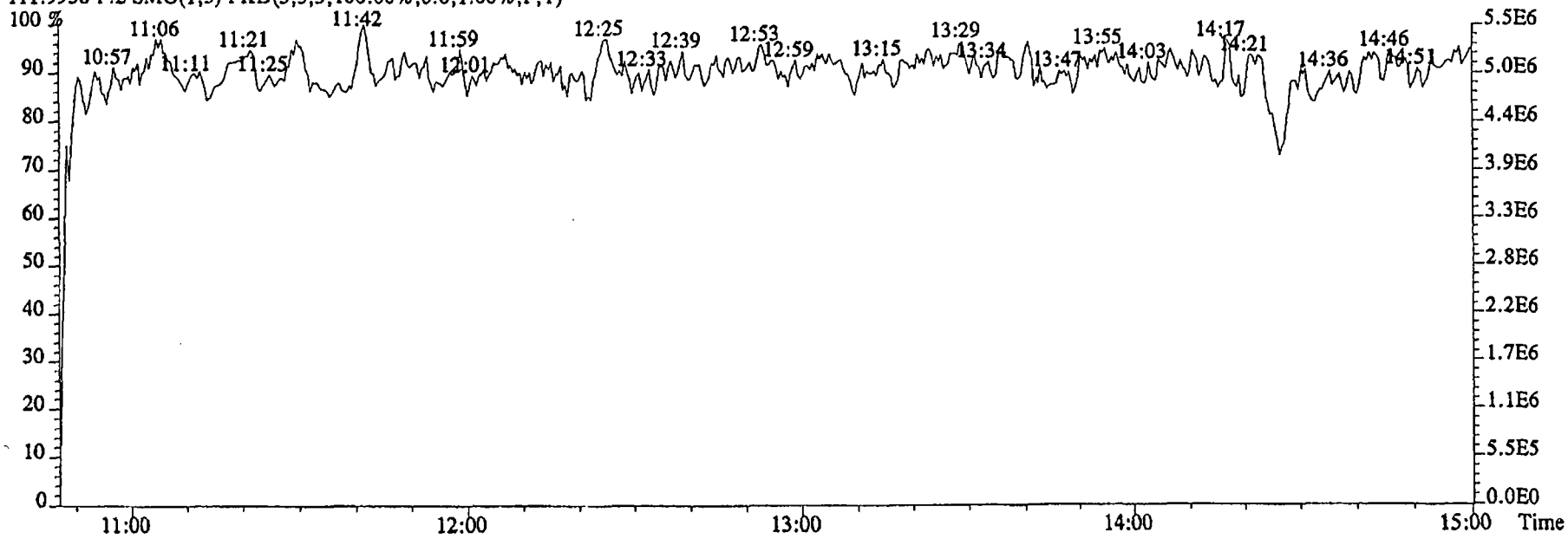
80.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



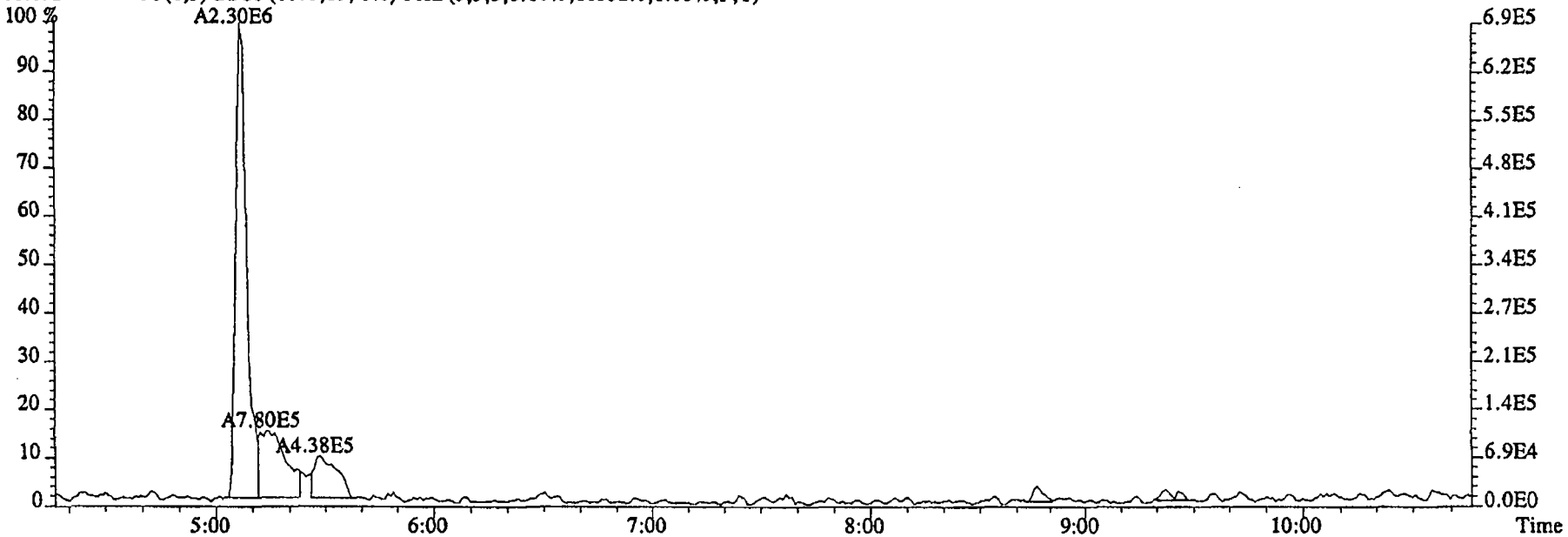
File:16DE045SP #1-590 Acq:16-DEC-2004 18:38:32 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1216 :CS1 2350-68A Exp:NDMAVOA
118.9920 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



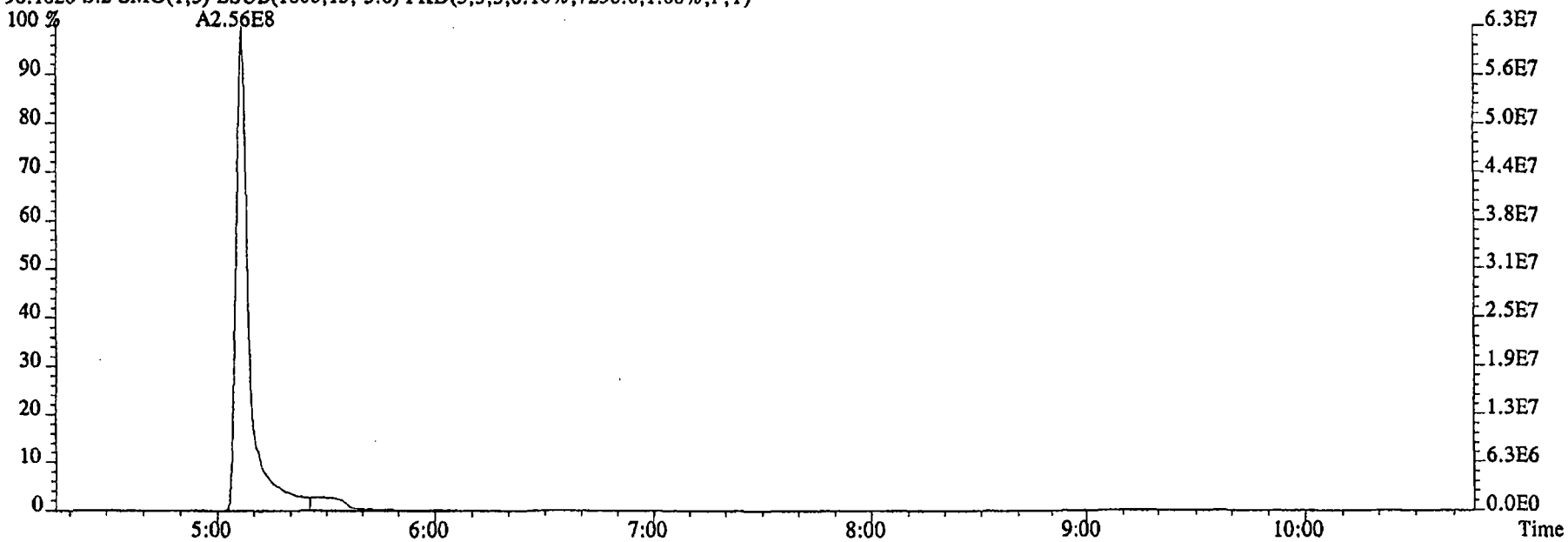
111.9936 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11332.0,1.00%,F,T)

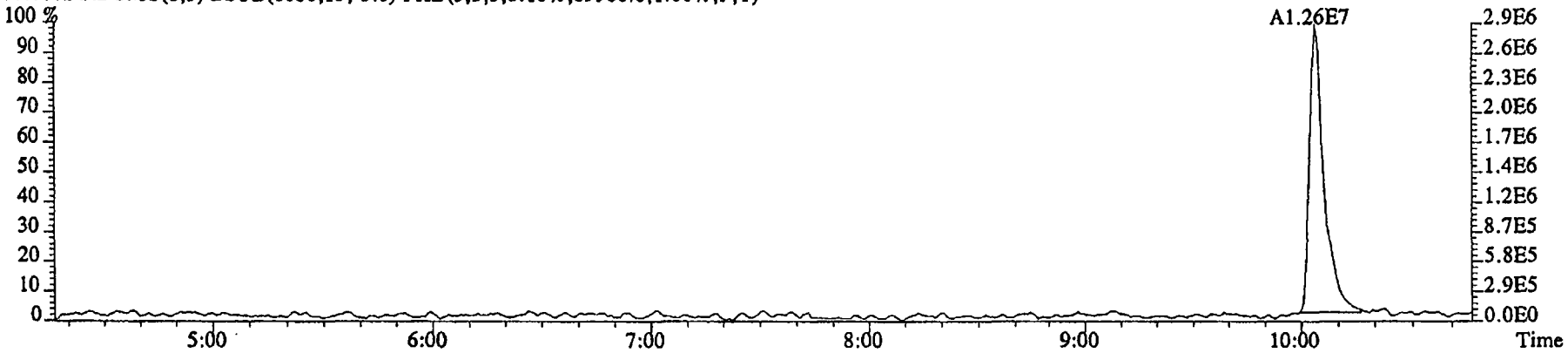


96.1026 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7236.0,1.00%,F,T)

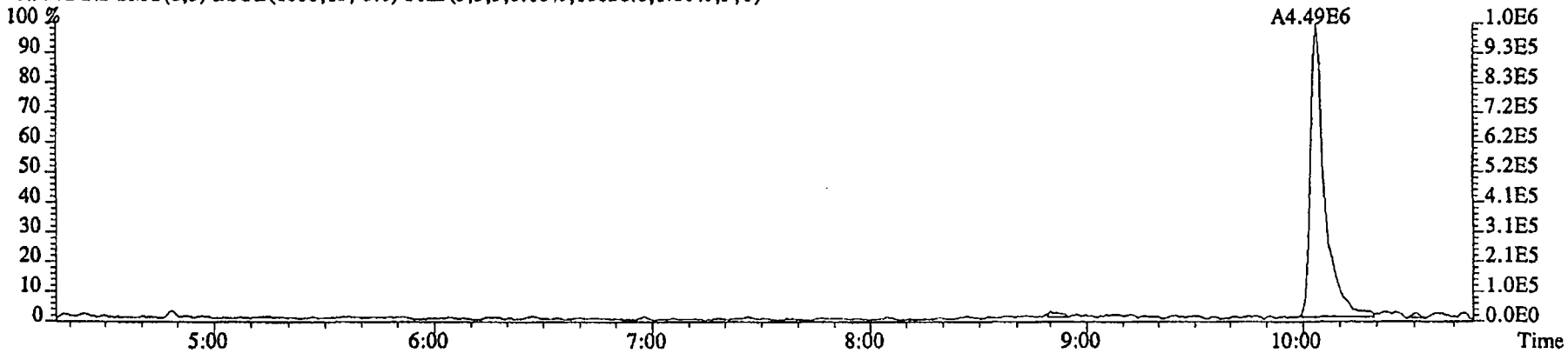


File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA

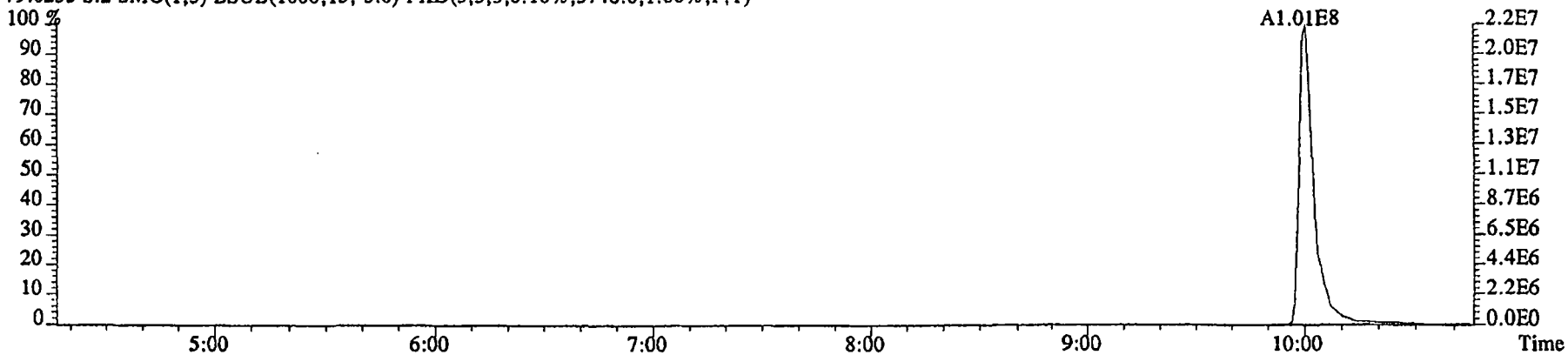
75.0002 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,69900.0,1.00%,F,T)



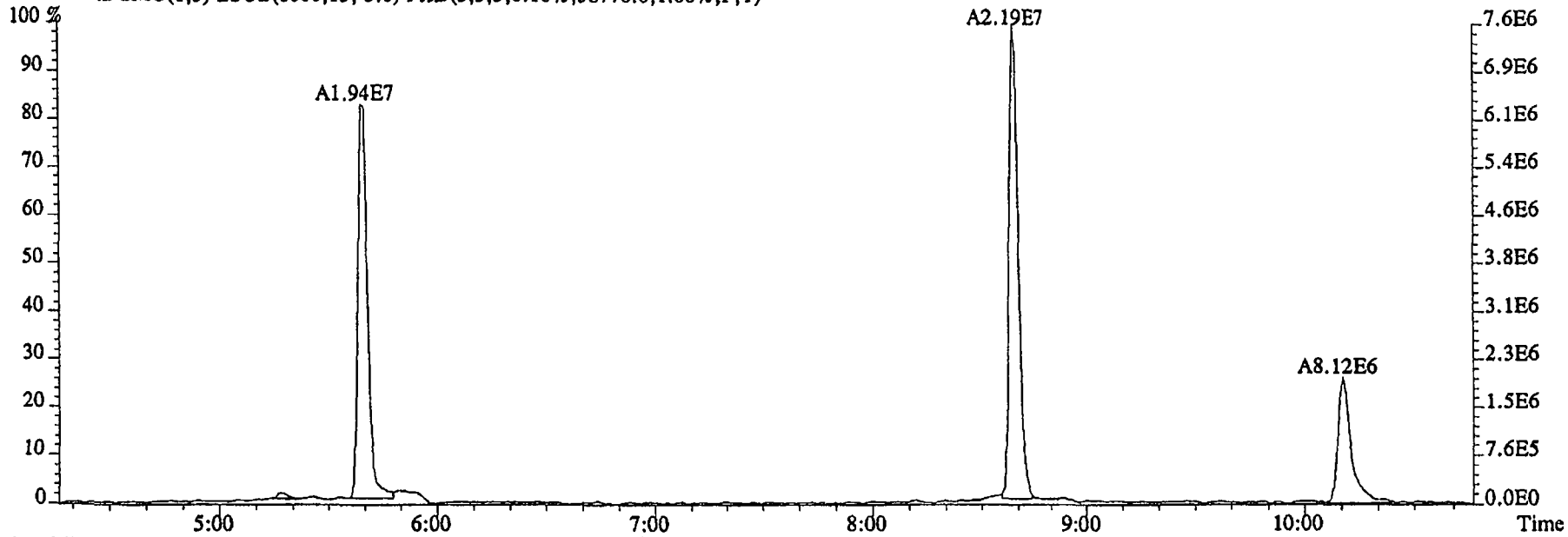
76.9972 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16136.0,1.00%,F,T)



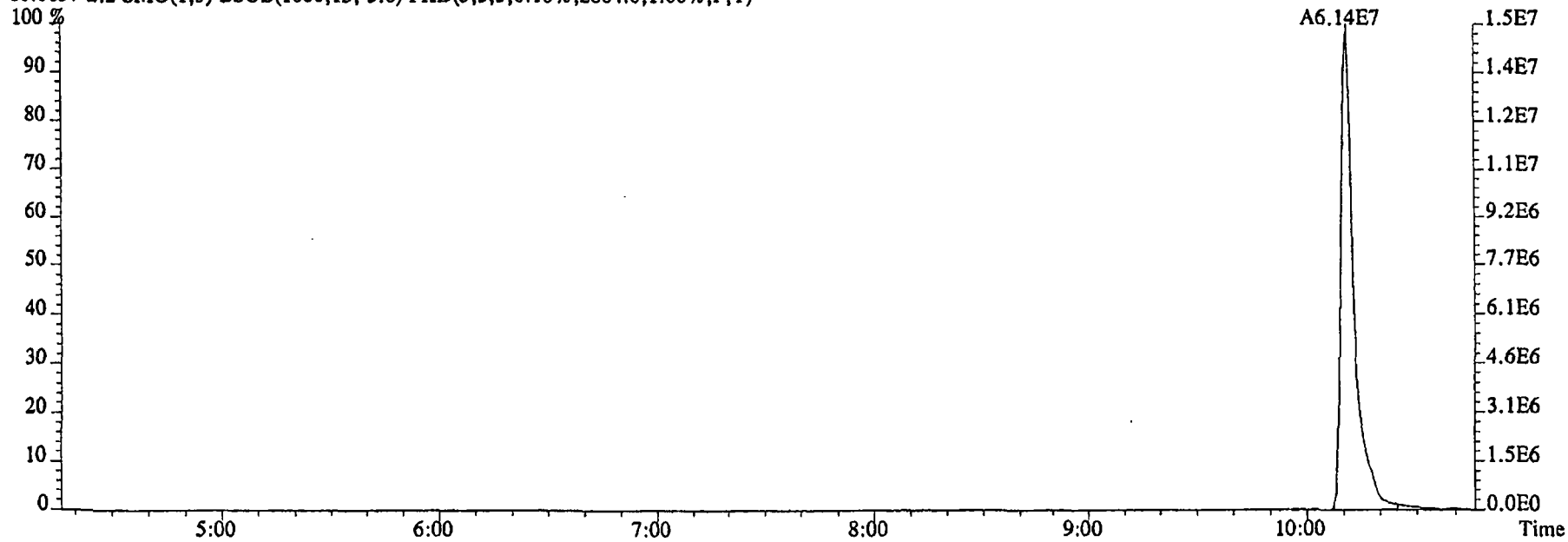
79.0253 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5748.0,1.00%,F,T)



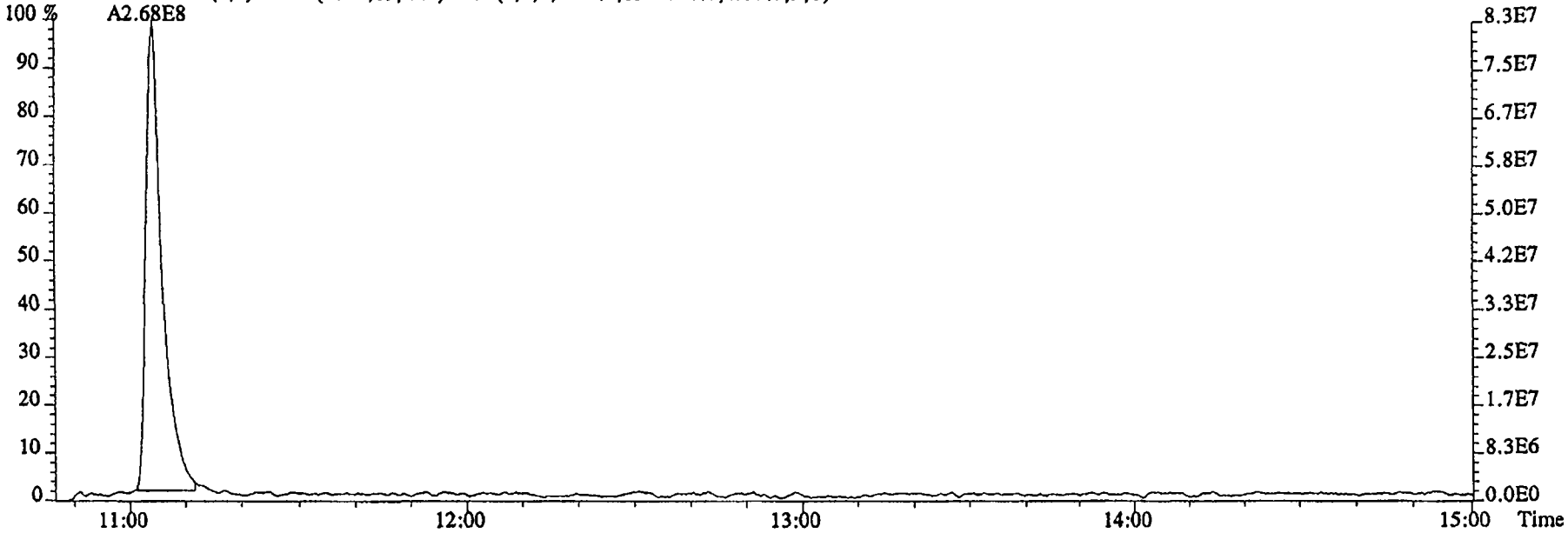
File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
74.0480 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,38776.0,1.00%,F,T)



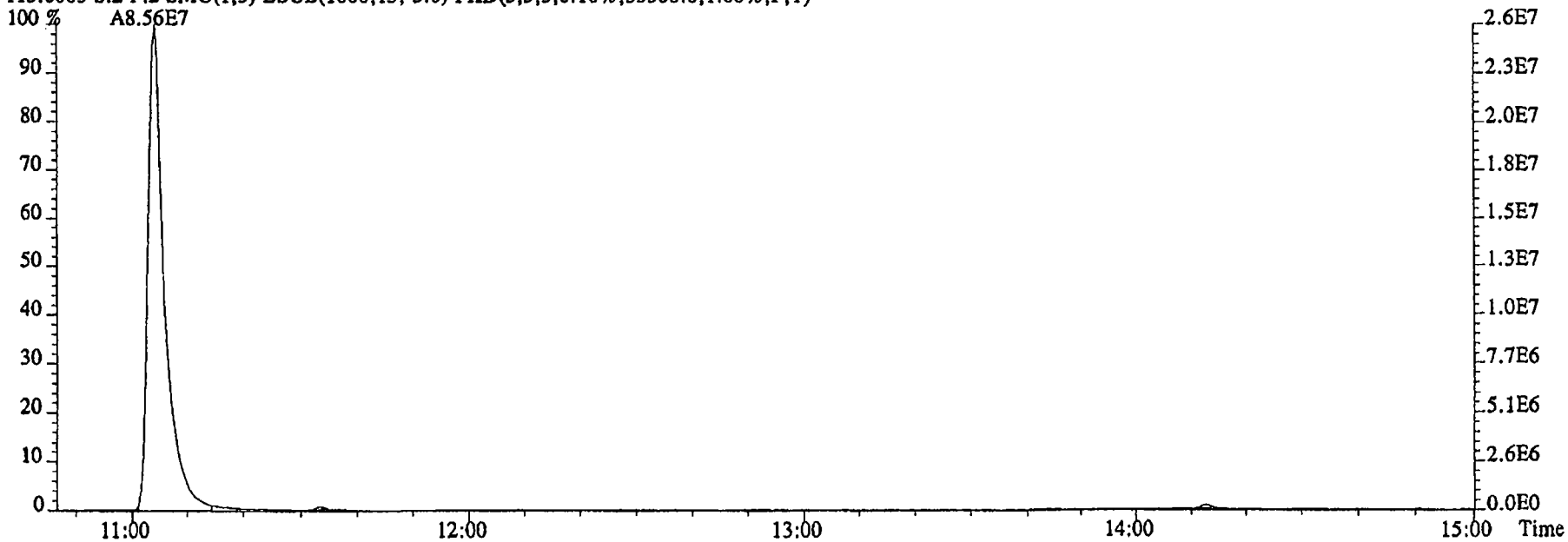
80.0857 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2604.0,1.00%,F,T)



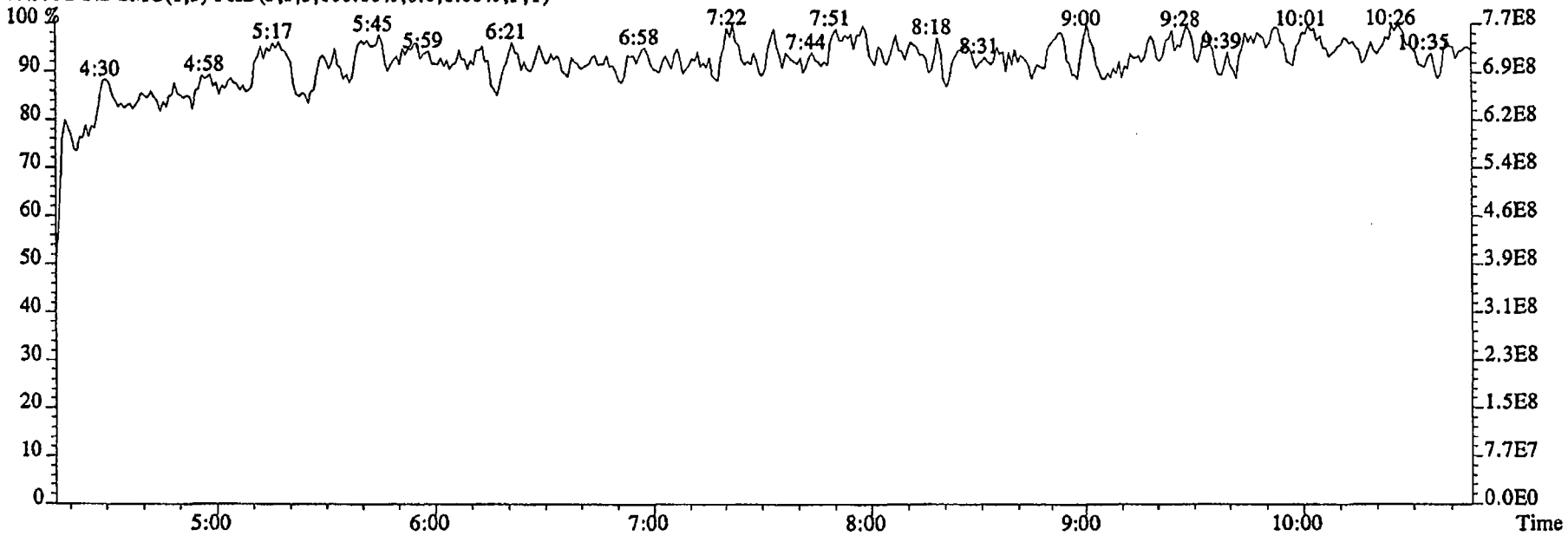
File:16DE045SP #1-591 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
113.0032 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1540548.0,1.00%,F,T)



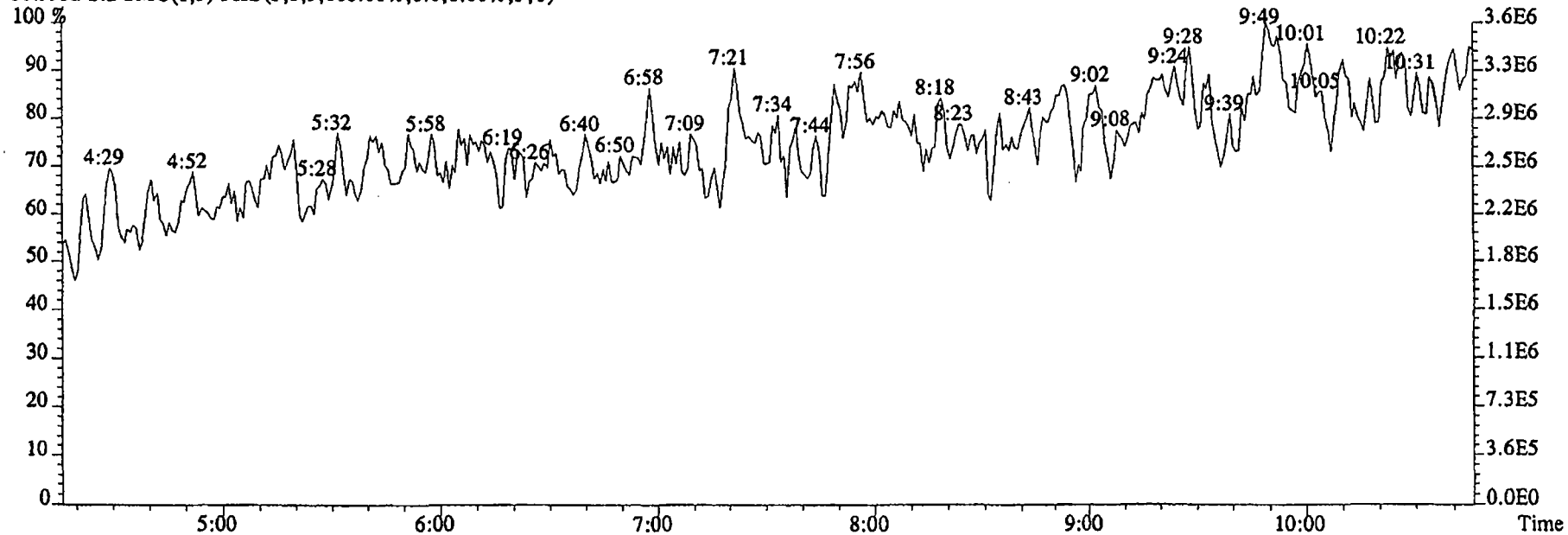
115.0003 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,33300.0,1.00%,F,T)



File:16DE045SP #1-480 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
68.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



80.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



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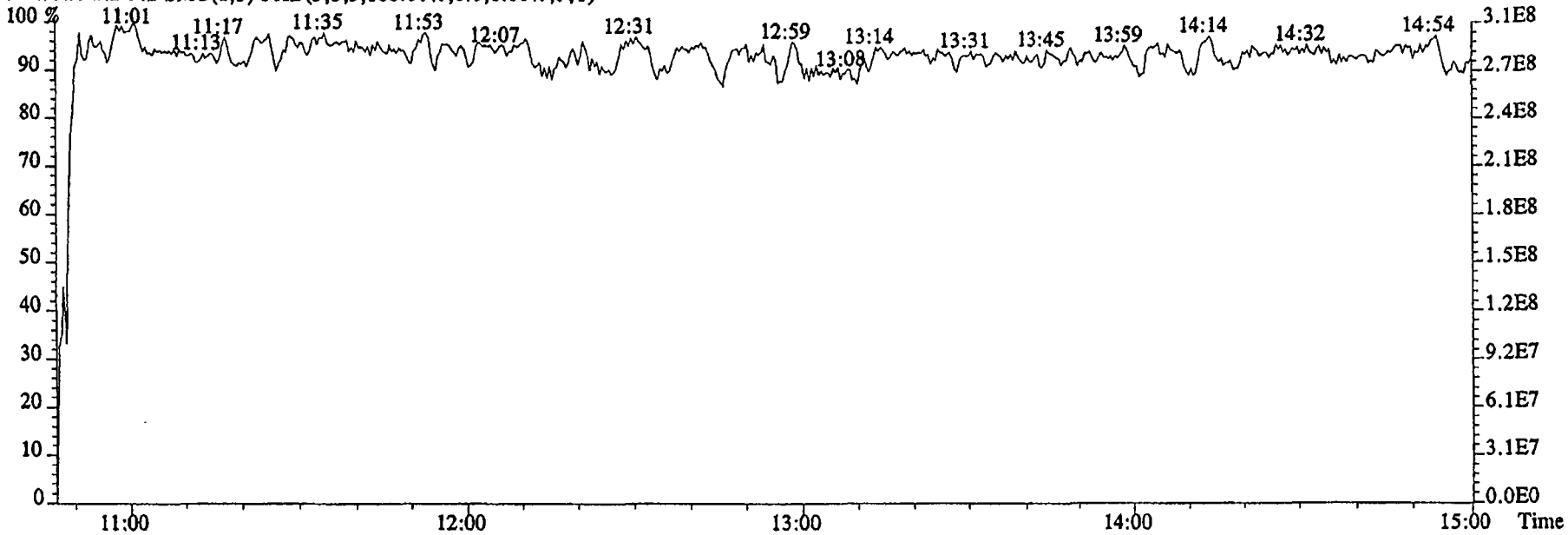
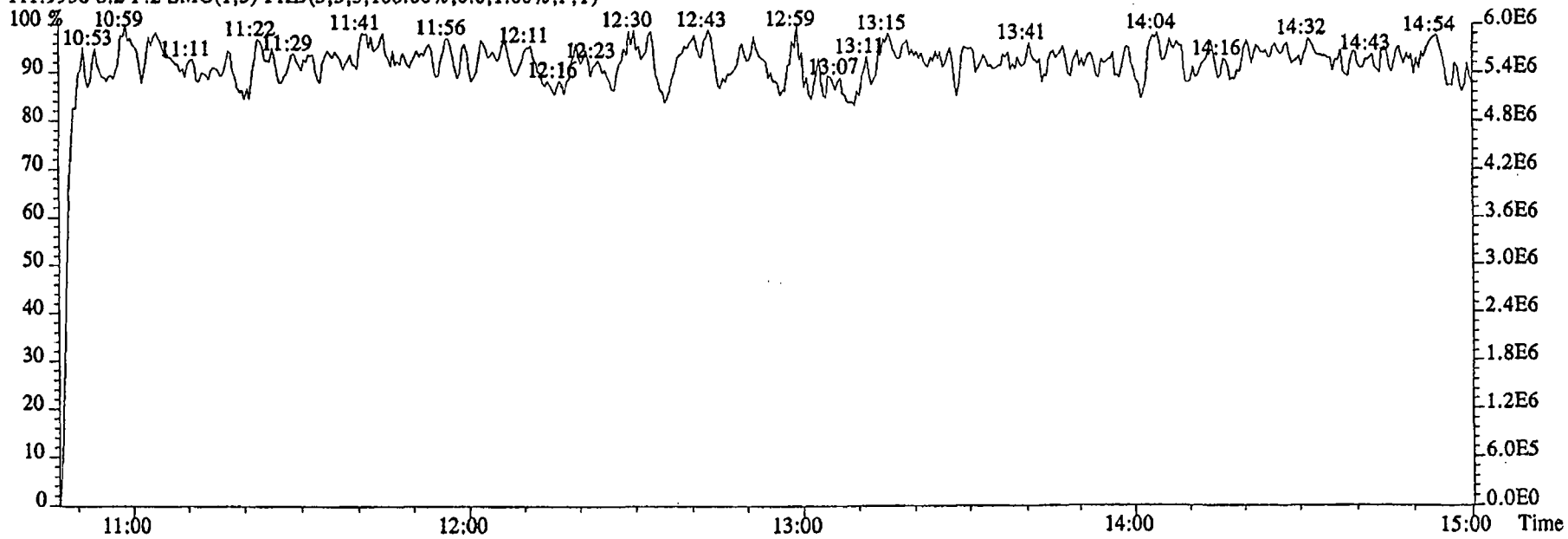
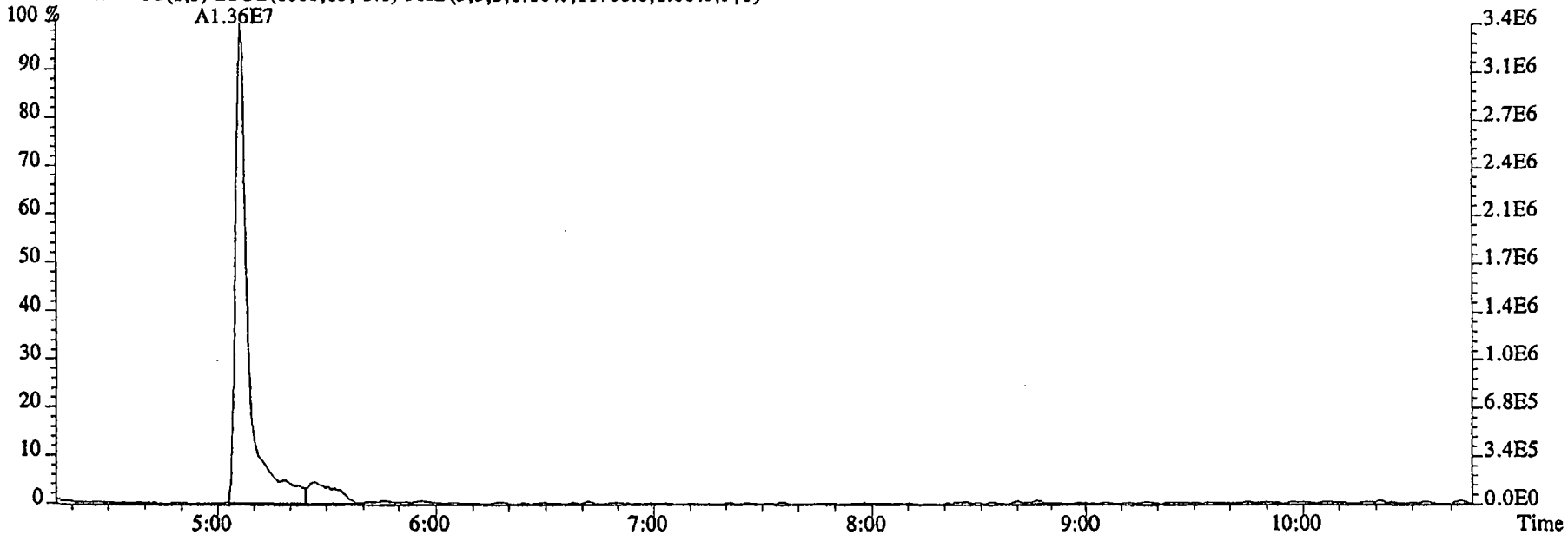
File:16DE045SP #1-591 Acq:16-DEC-2004 18:58:44 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1216A :CS2 2350-68B Exp:NDMAVOA
118.9920 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



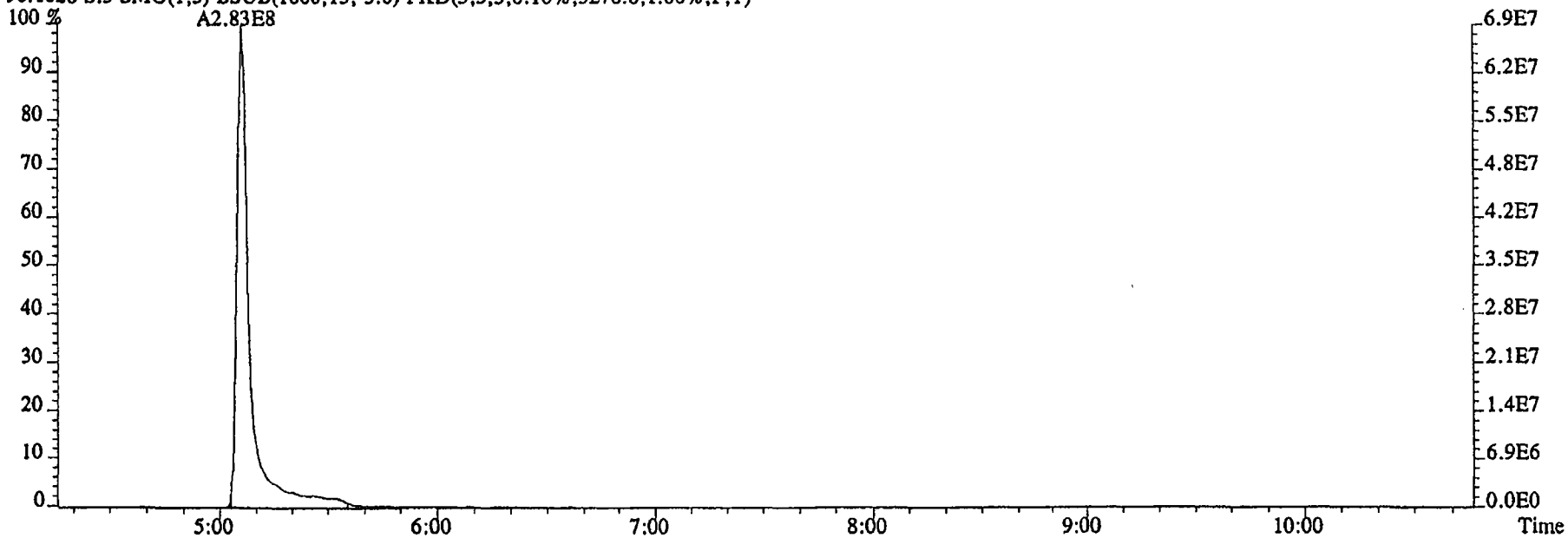
111.9936 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11708.0,1.00%,F,T)

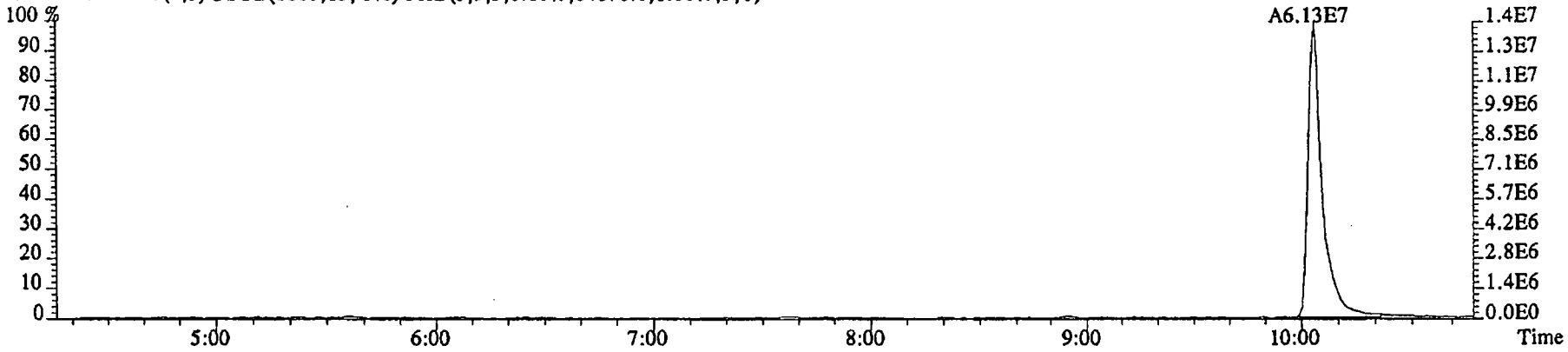


96.1026 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5276.0,1.00%,F,T)

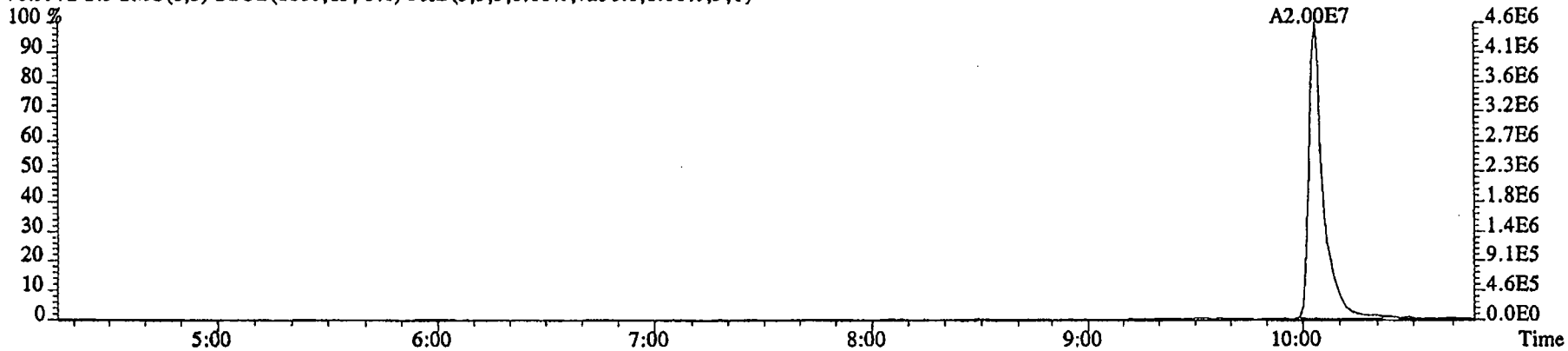


File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA

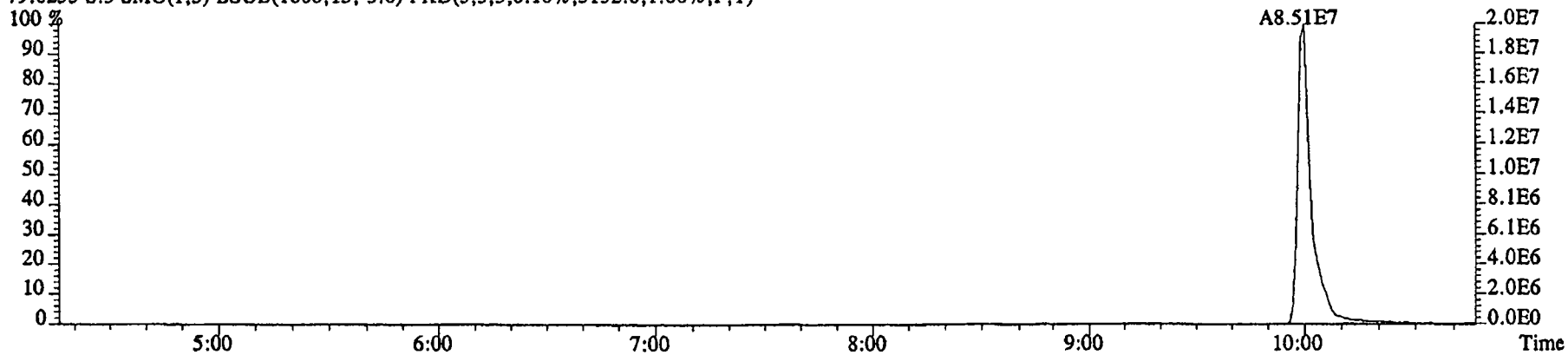
75.0002 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,64876.0,1.00%,F,T)



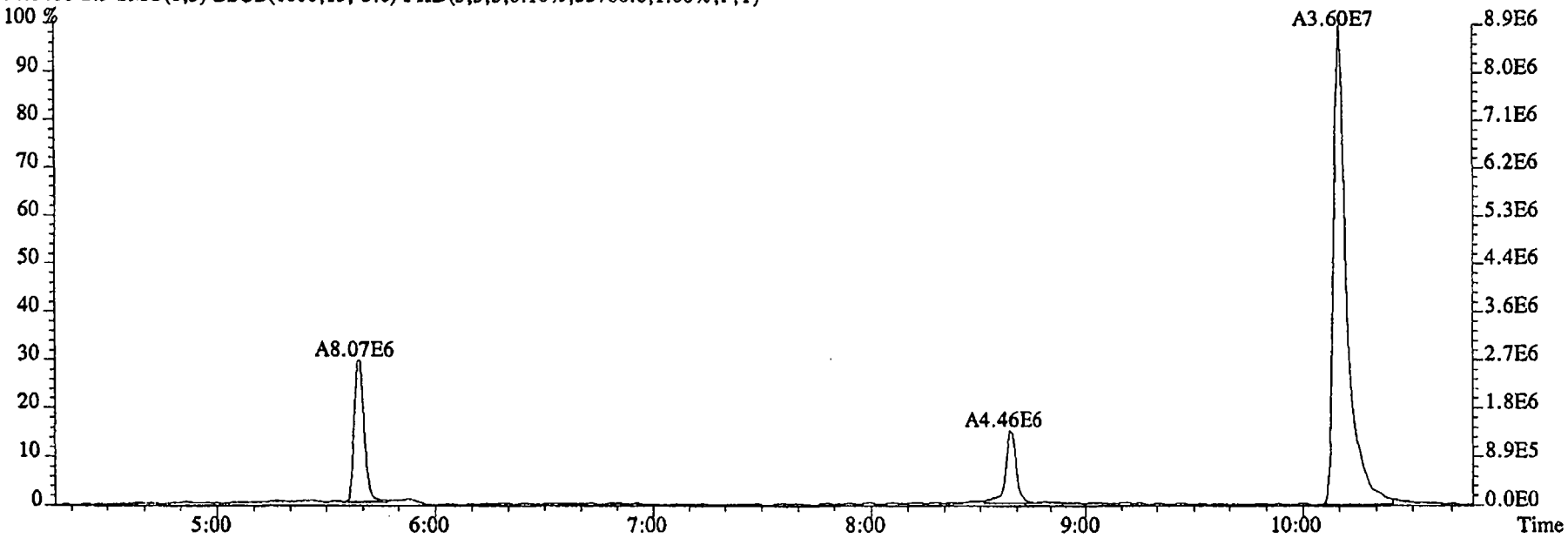
76.9972 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7236.0,1.00%,F,T)



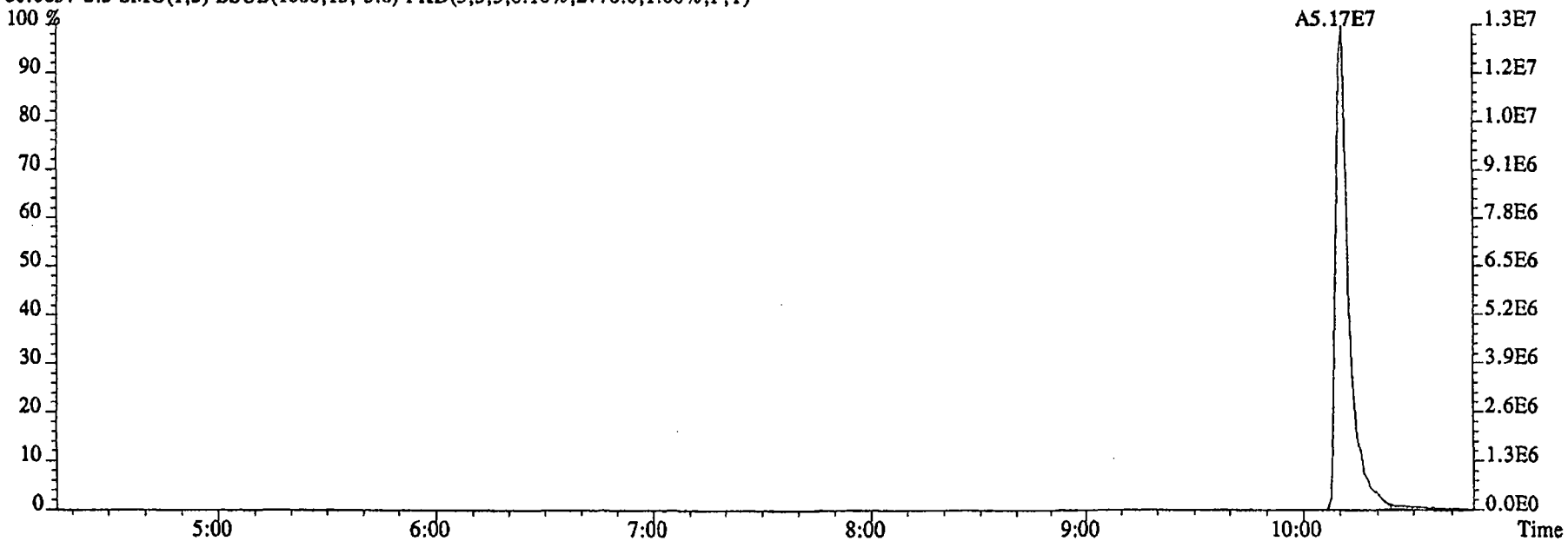
79.0253 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5132.0,1.00%,F,T)



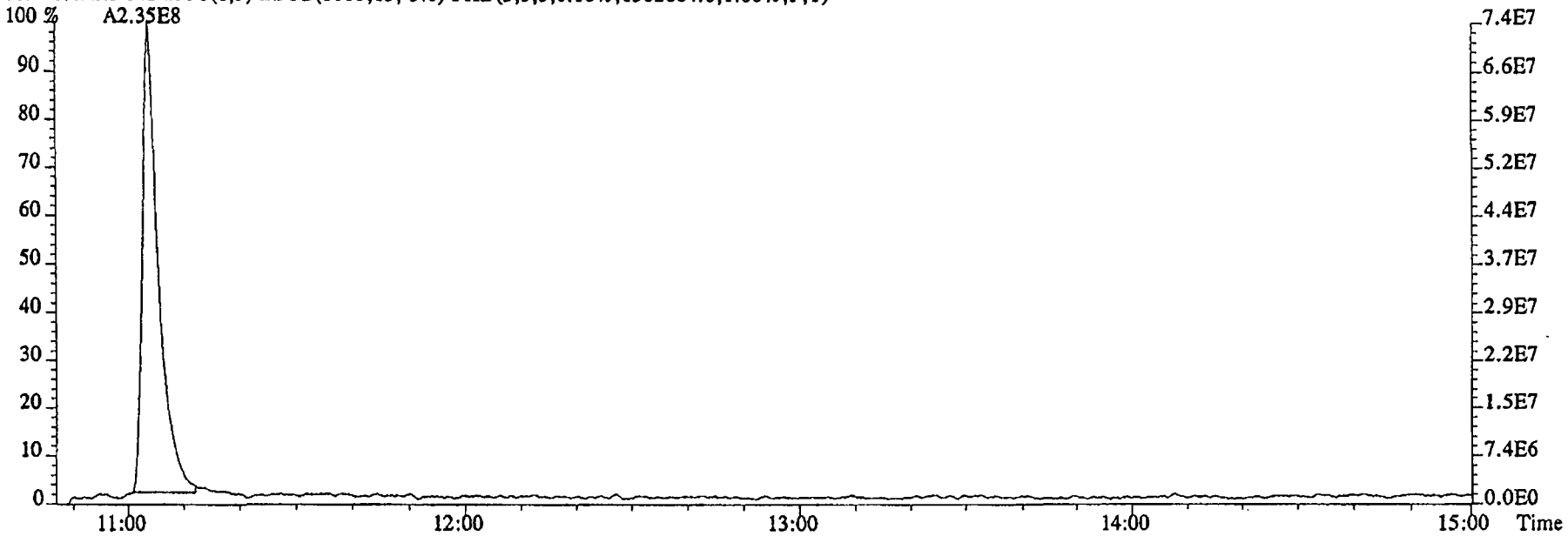
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,35760.0,1.00%,F,T)



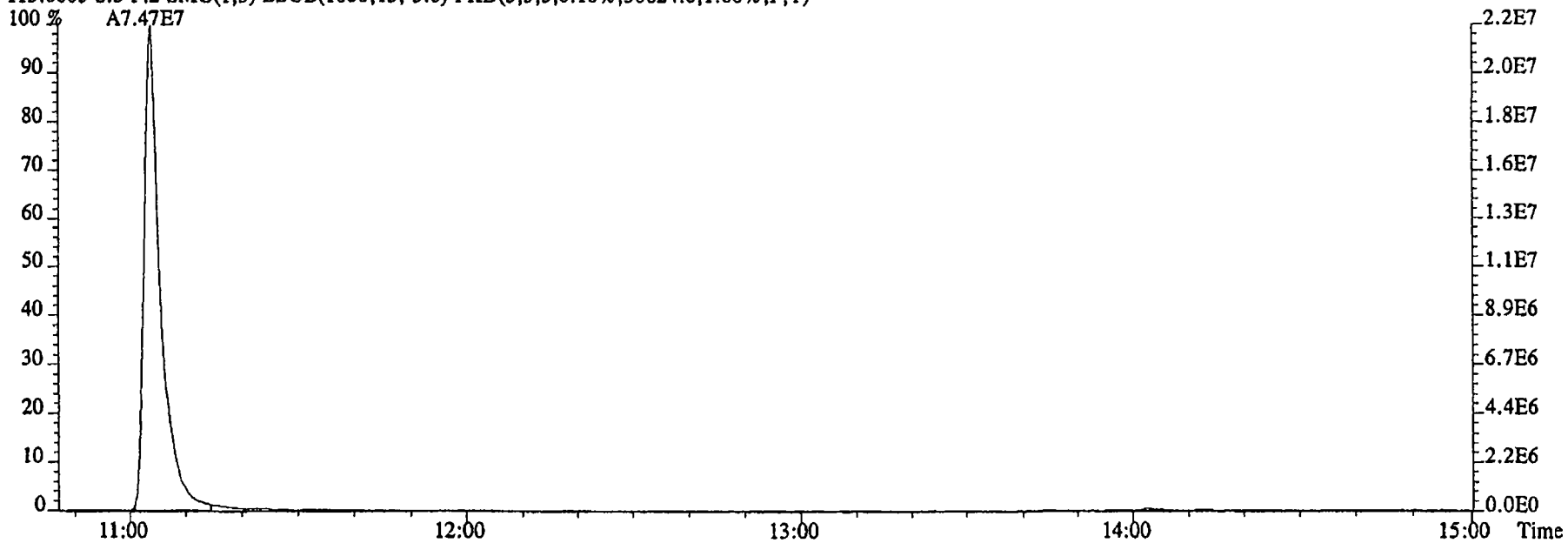
80.0857 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2776.0,1.00%,F,T)



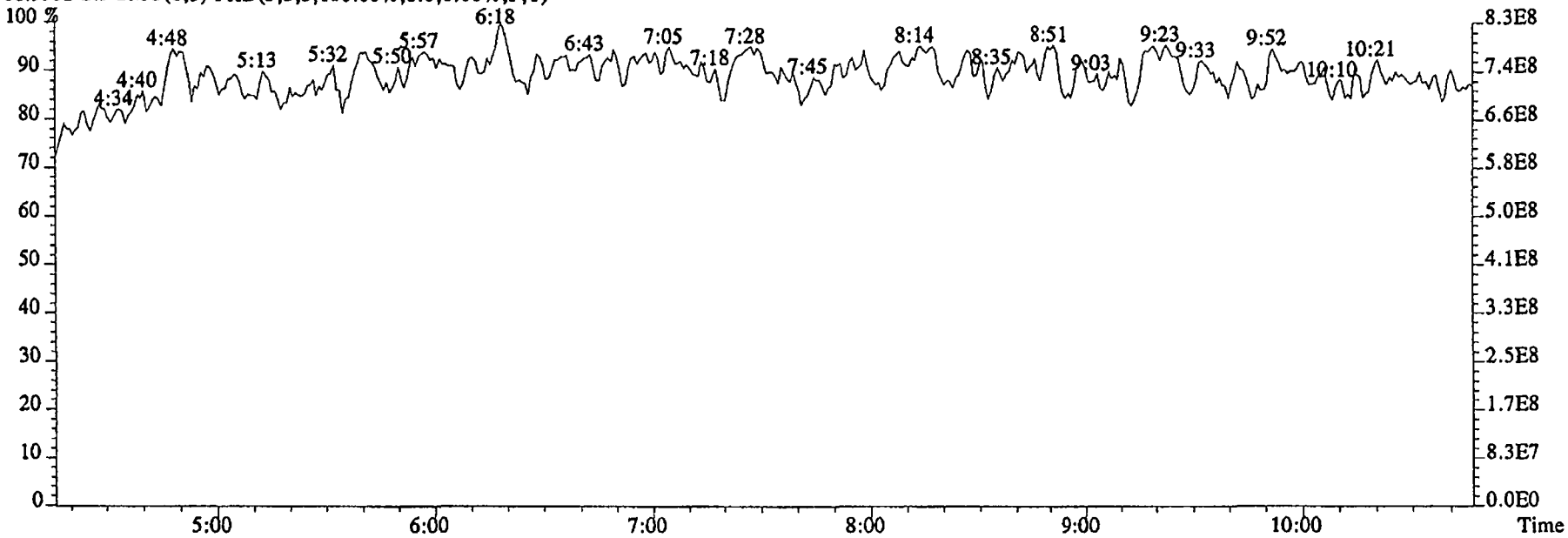
File:16DE045SP #1-590 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
113.0032 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1502684.0,1.00%,F,T)



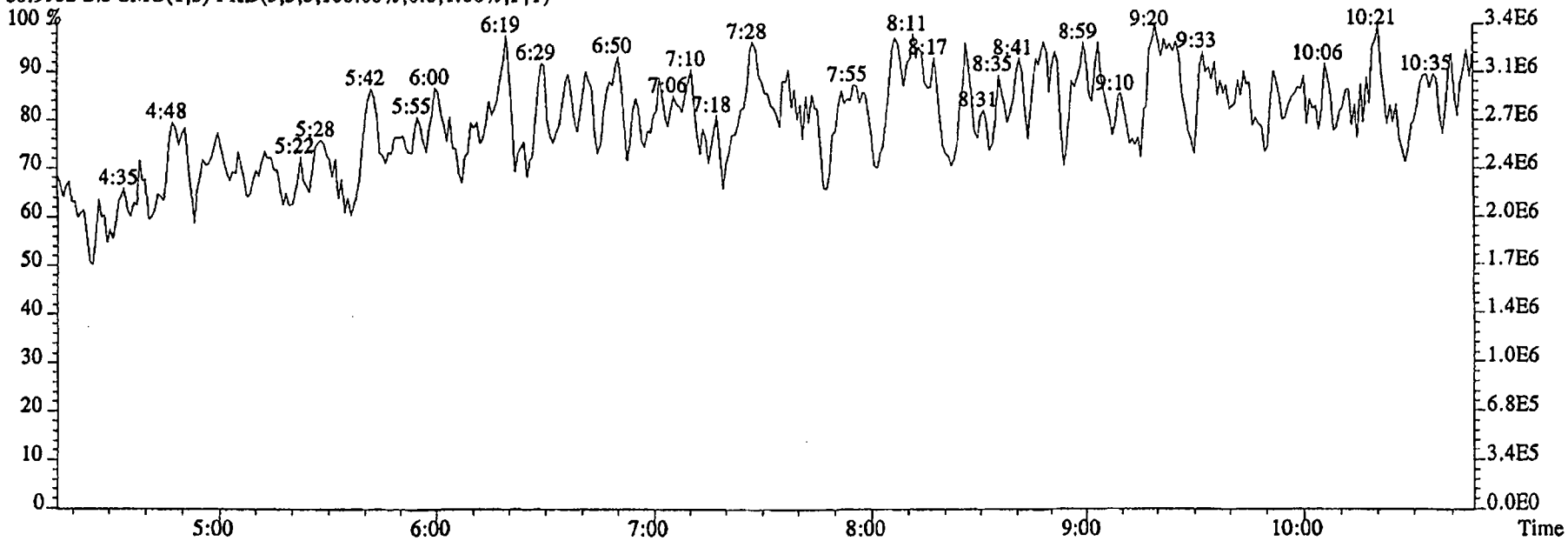
115.0003 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,30824.0,1.00%,F,T)



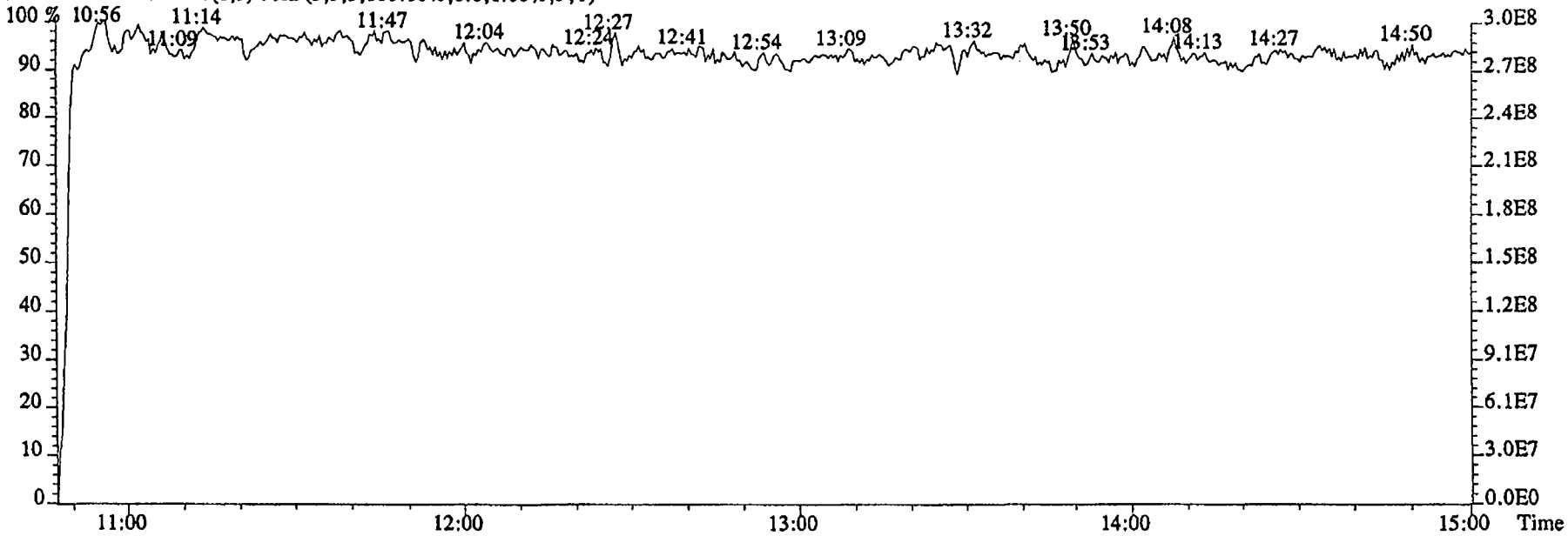
File:16DE045SP #1-481 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
68.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



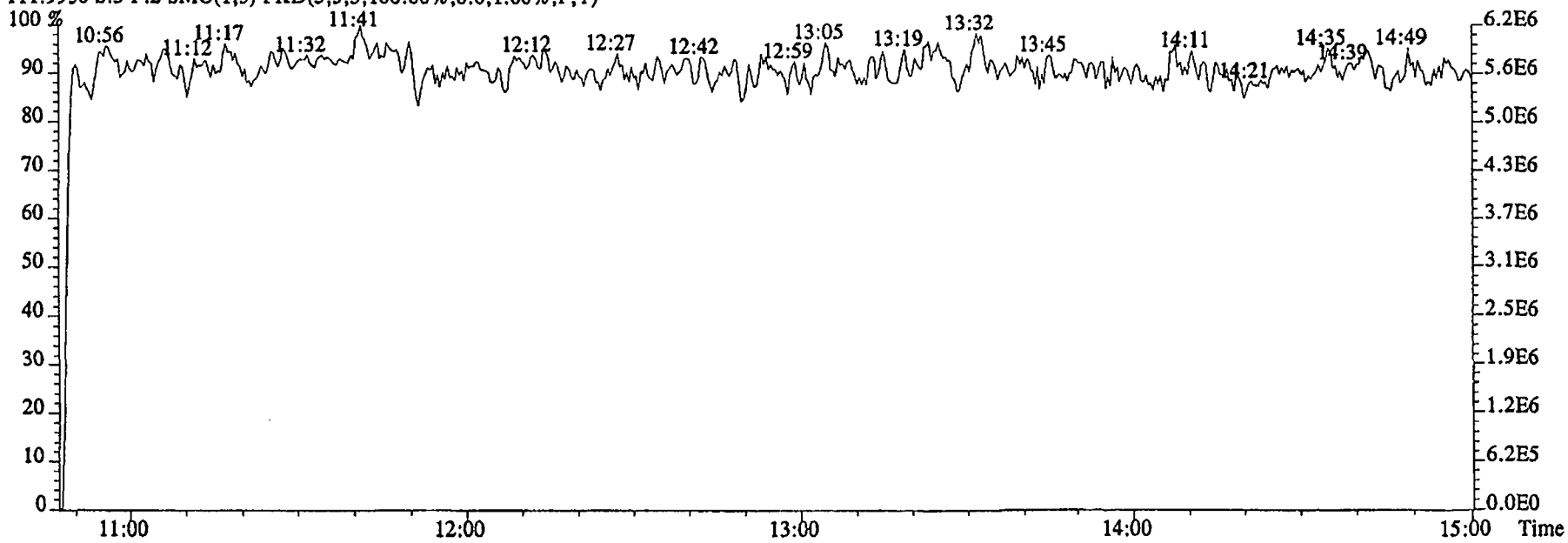
80.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



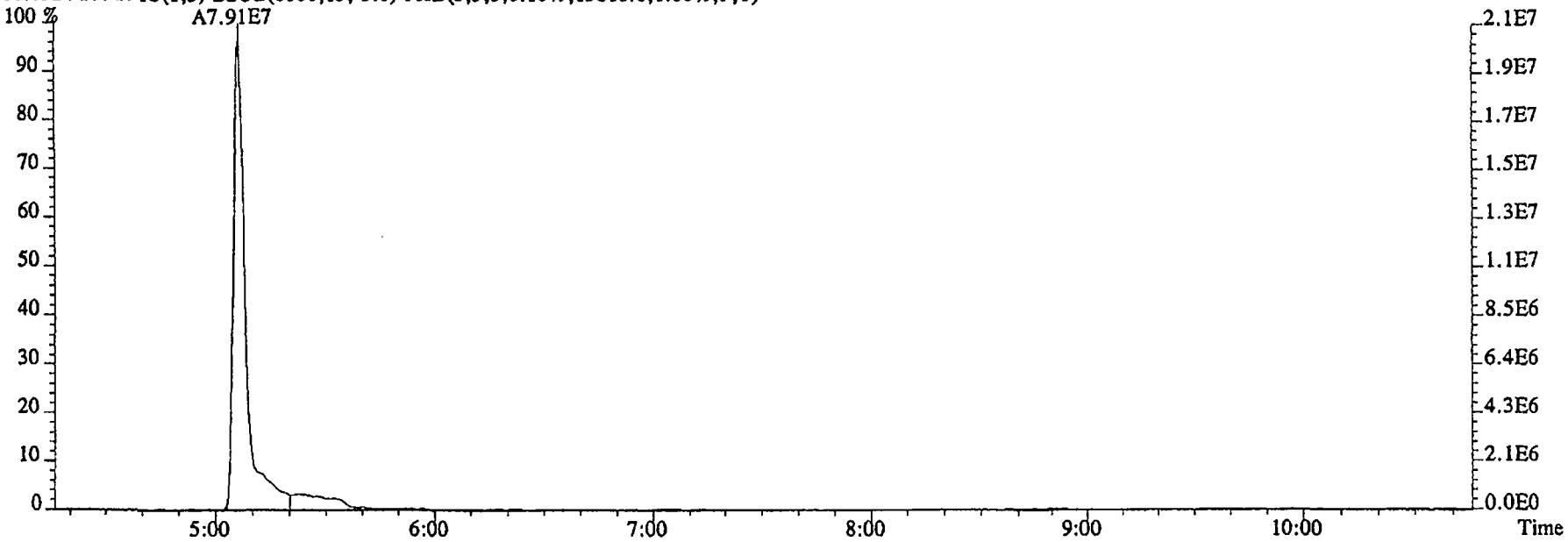
File:16DE045SP #1-590 Acq:16-DEC-2004 19:19:02 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1216B :CS3 2350-68C Exp:NDMAVOA
118.9920 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



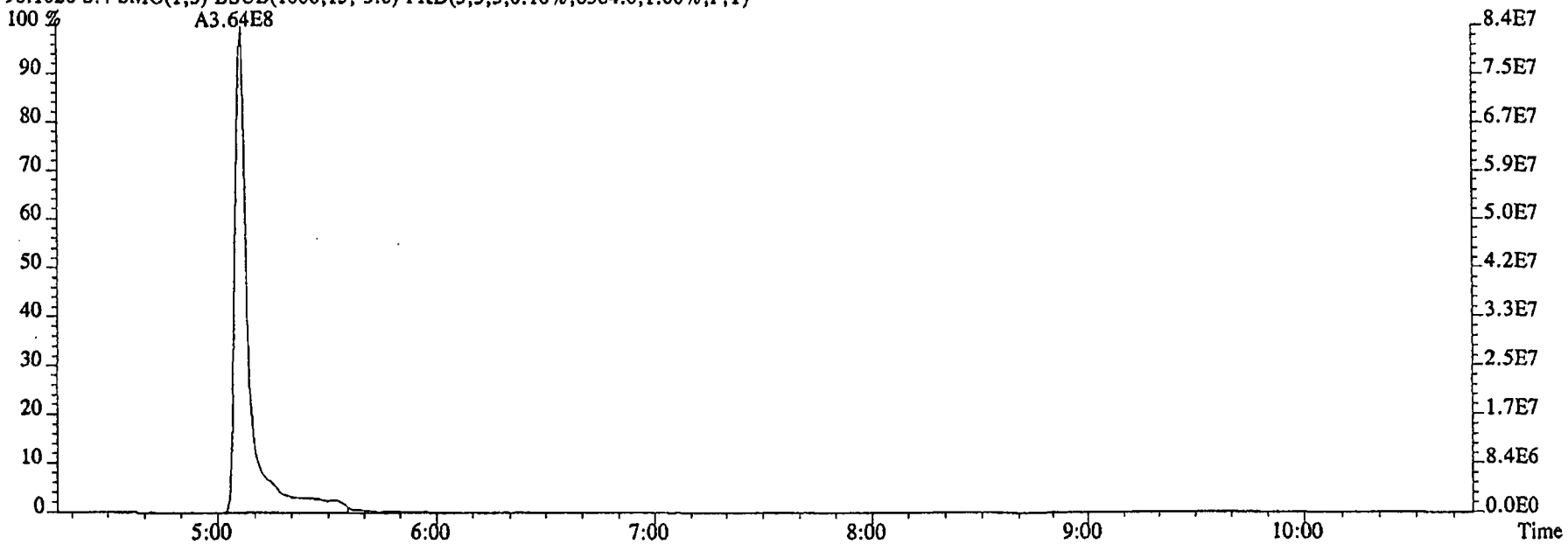
111.9936 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
88.0524 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15816.0,1.00%,F,T)

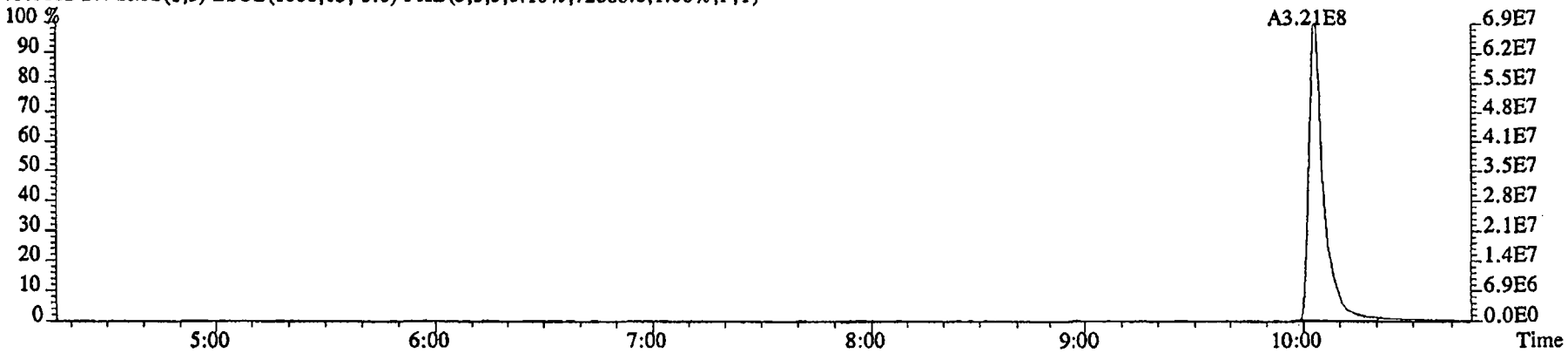


96.1026 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6384.0,1.00%,F,T)

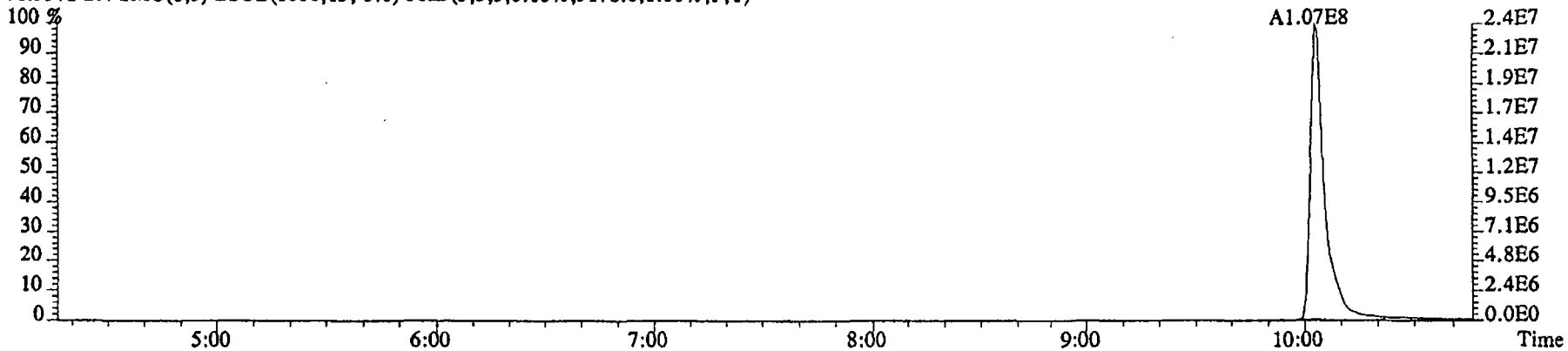


File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA

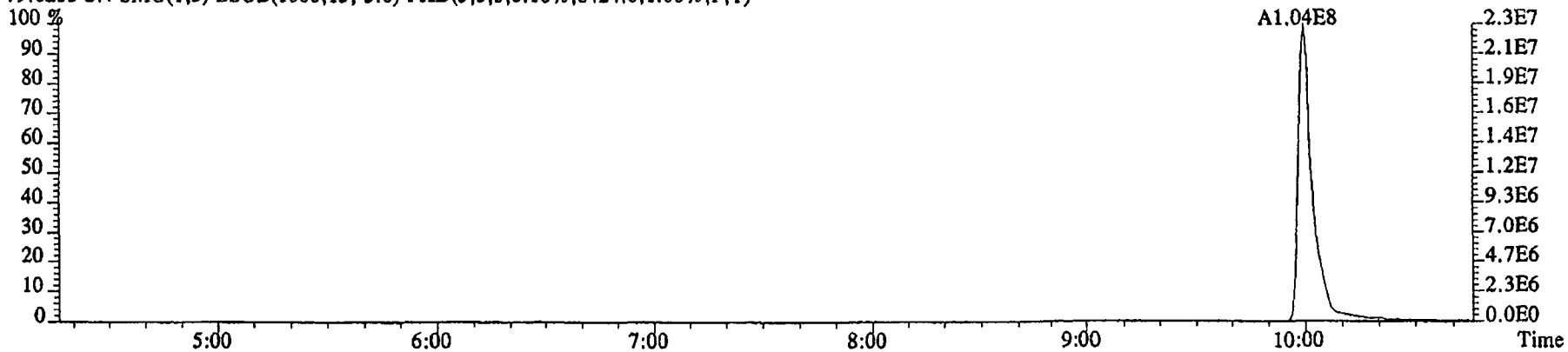
75.0002 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,72888.0,1.00%,F,T)



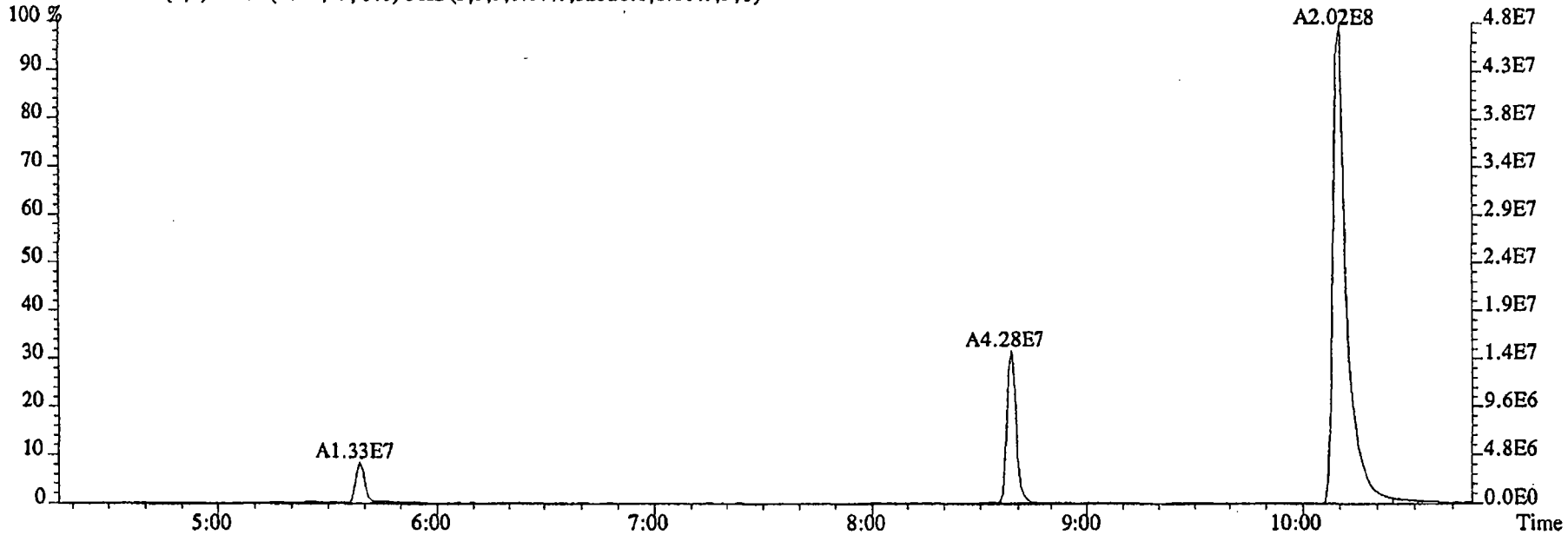
76.9972 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,9176.0,1.00%,F,T)



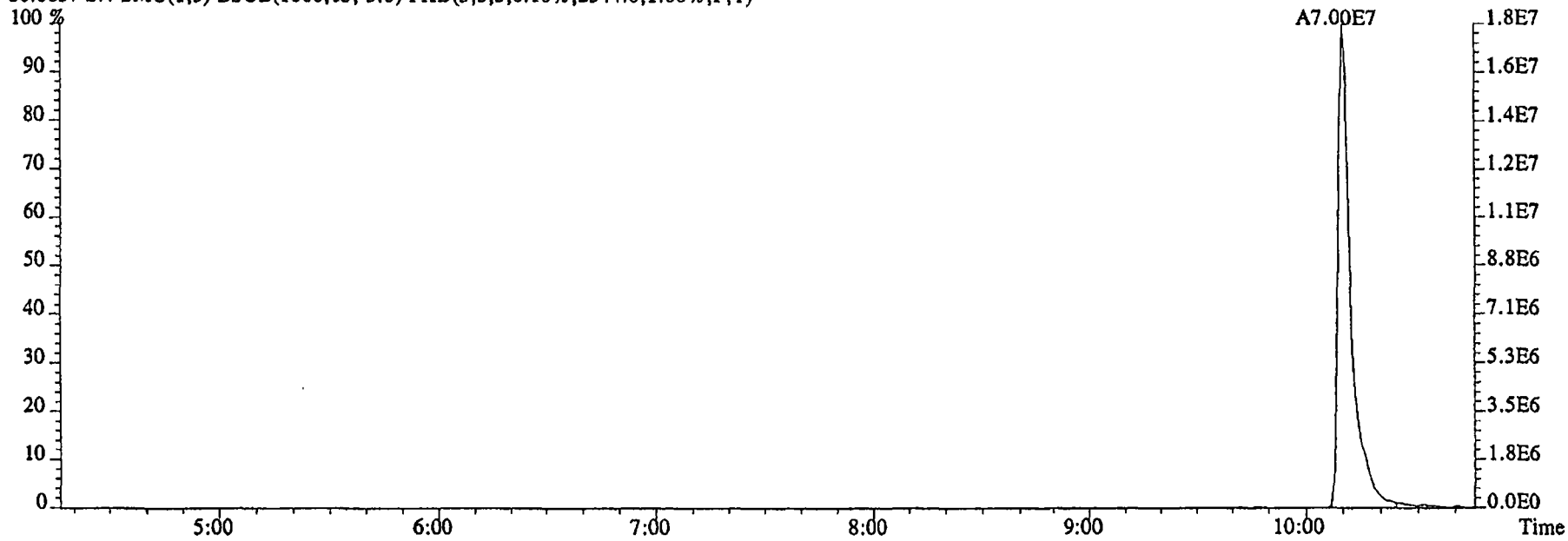
79.0253 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8424.0,1.00%,F,T)



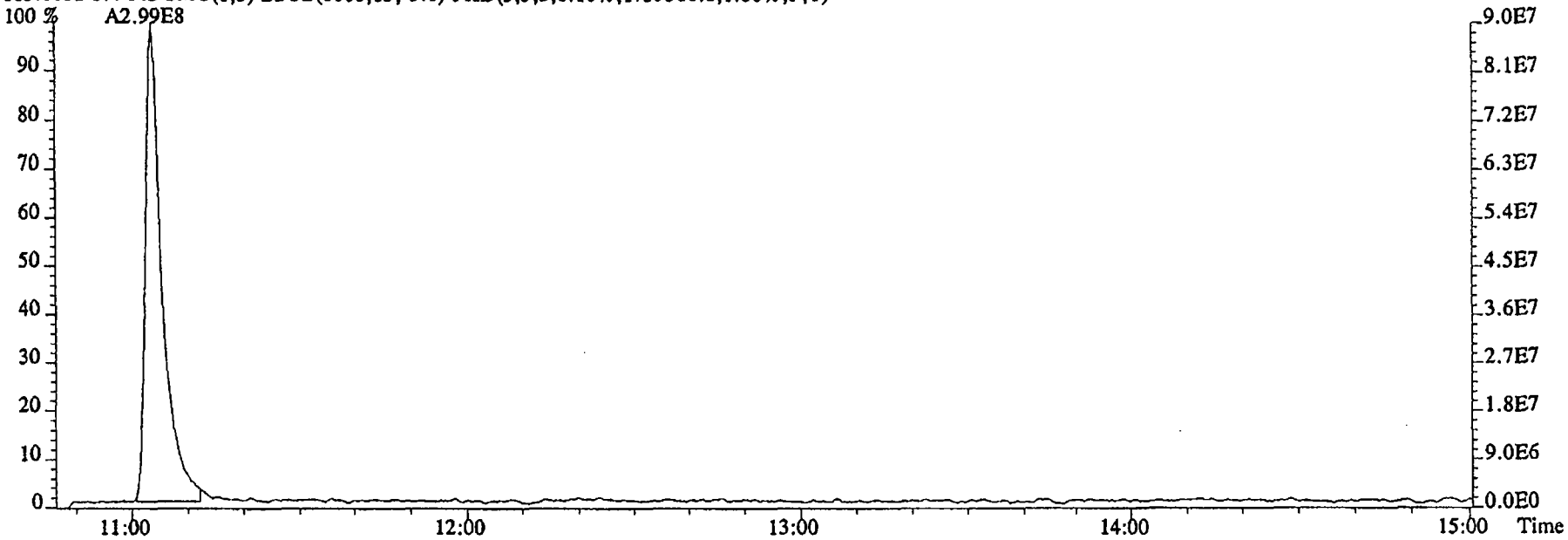
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
74.0480 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32520.0,1.00%,F,T)



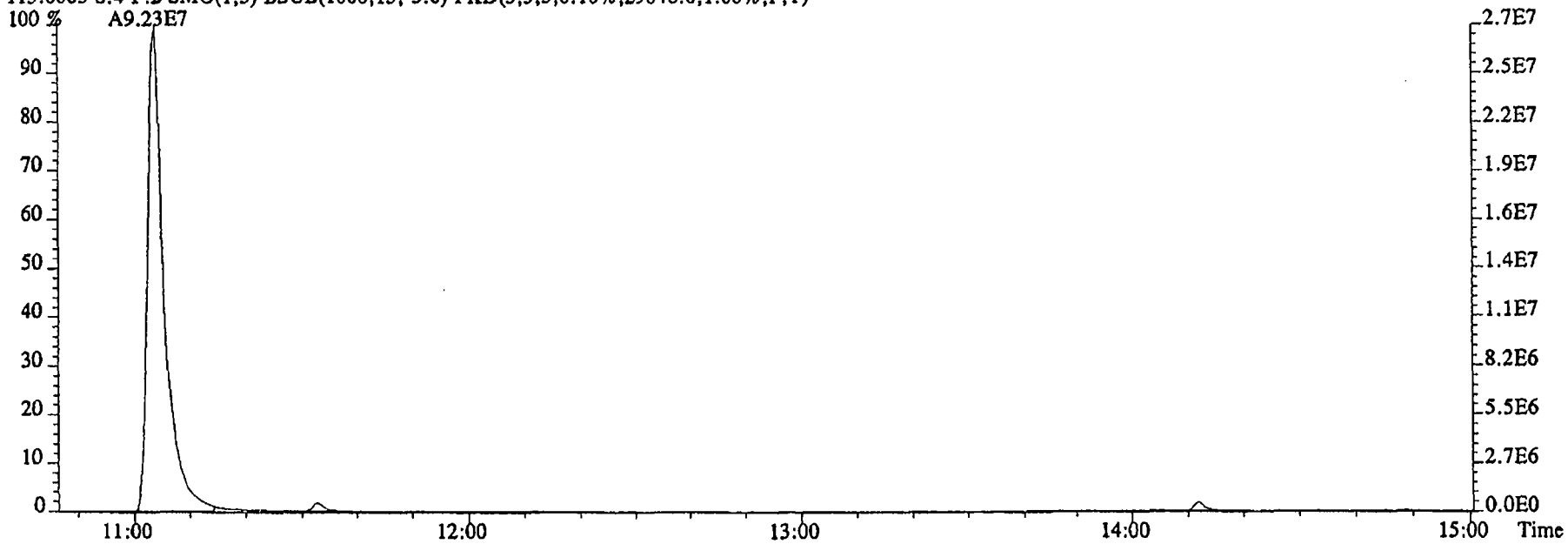
80.0857 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2544.0,1.00%,F,T)



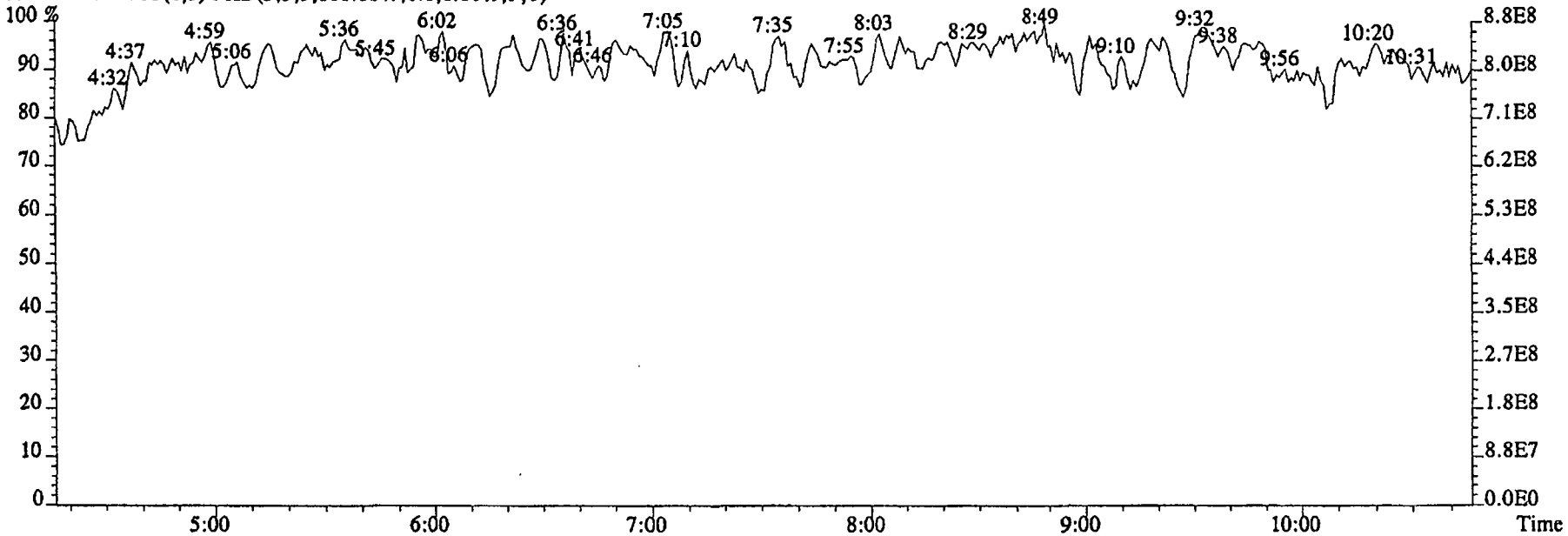
File:16DE045SP #1-592 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
113.0032 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1759560.0,1.00%,F,T)



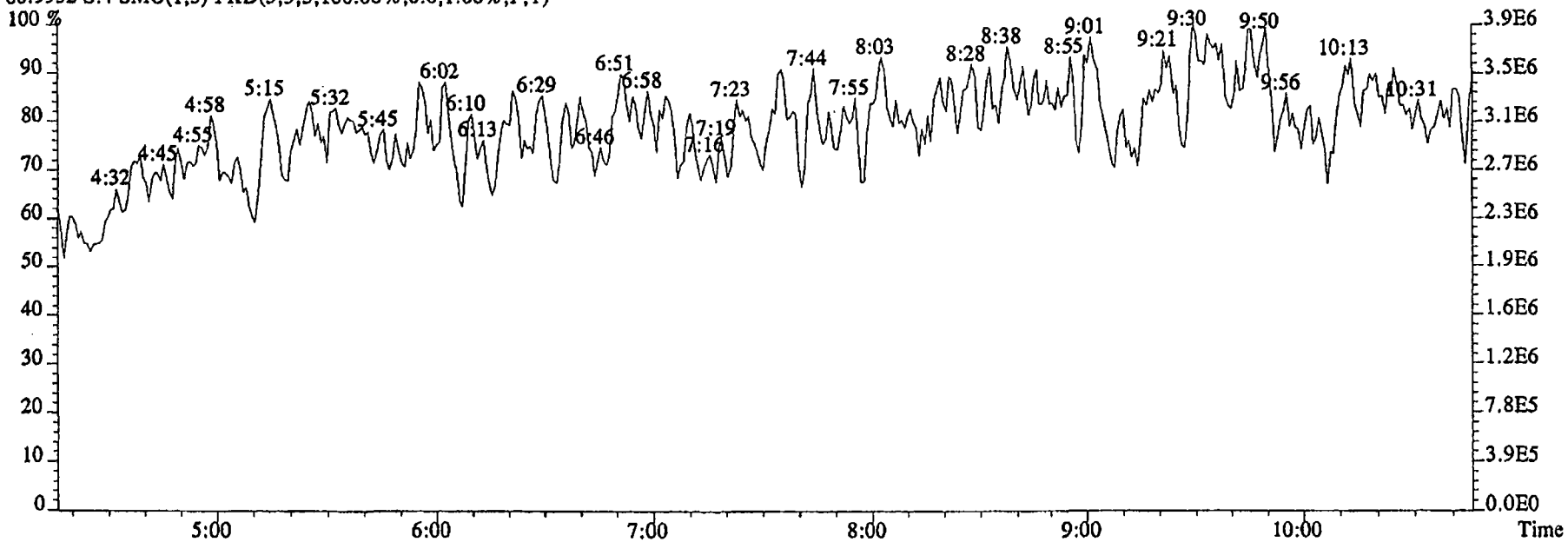
115.0003 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,29648.0,1.00%,F,T)



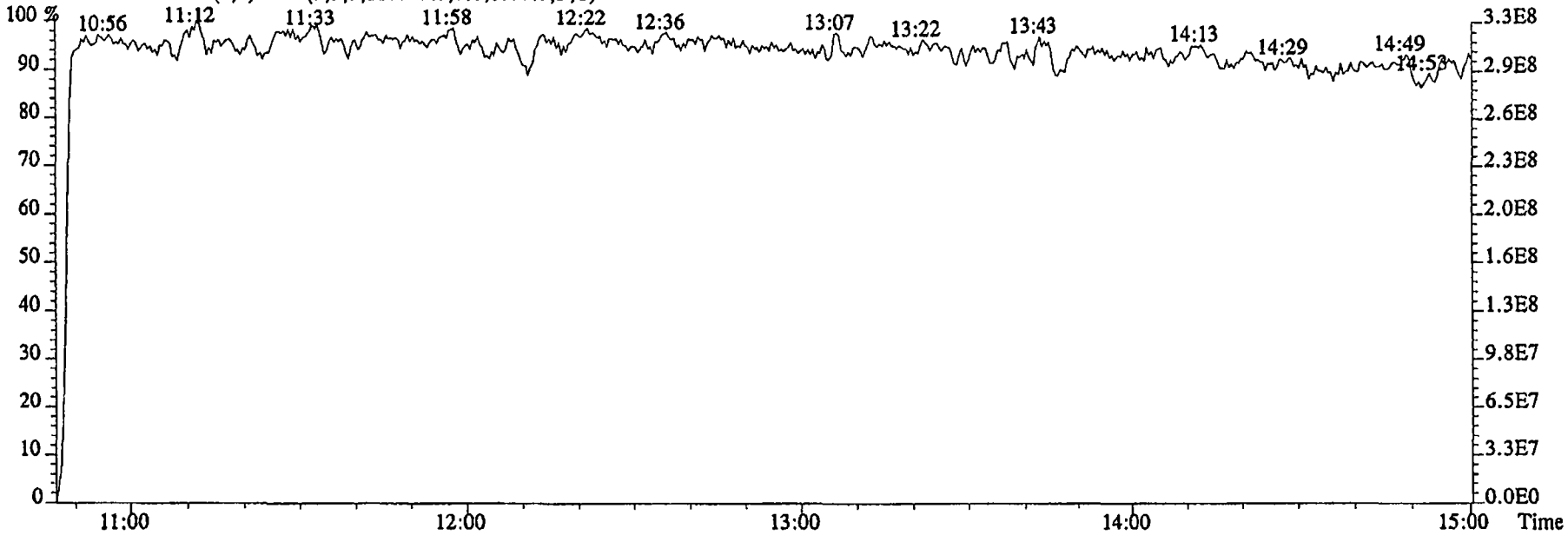
File:16DE045SP #1-480 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
68.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



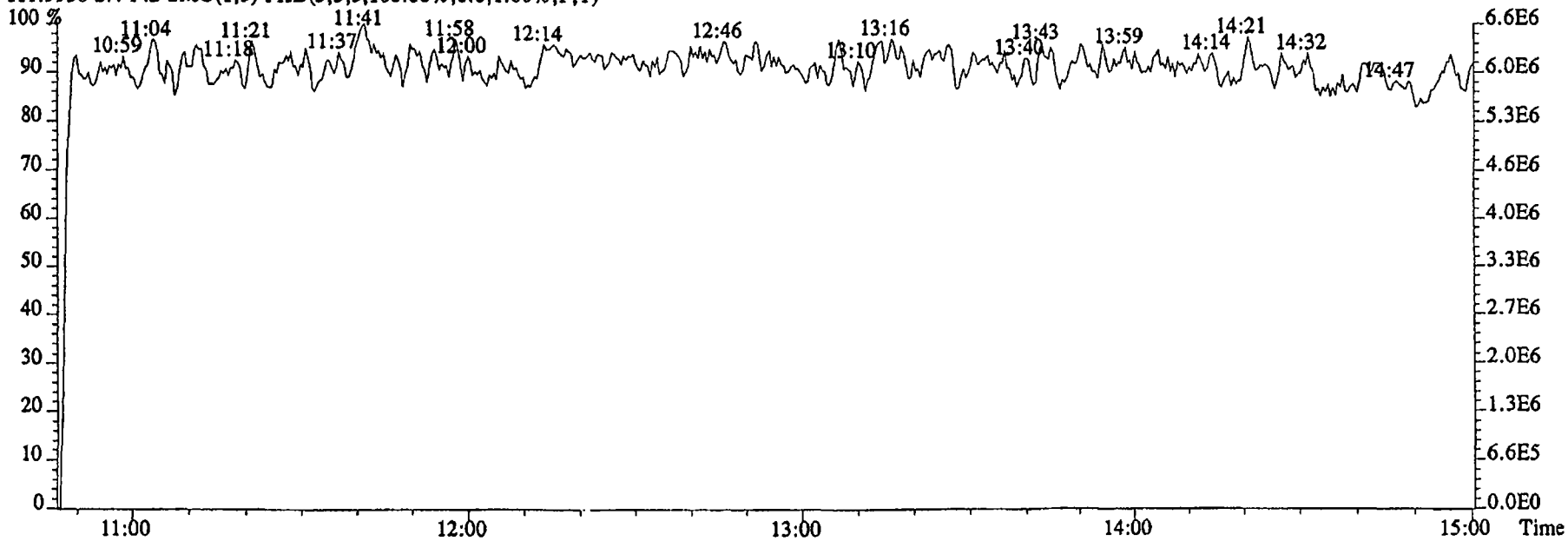
80.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



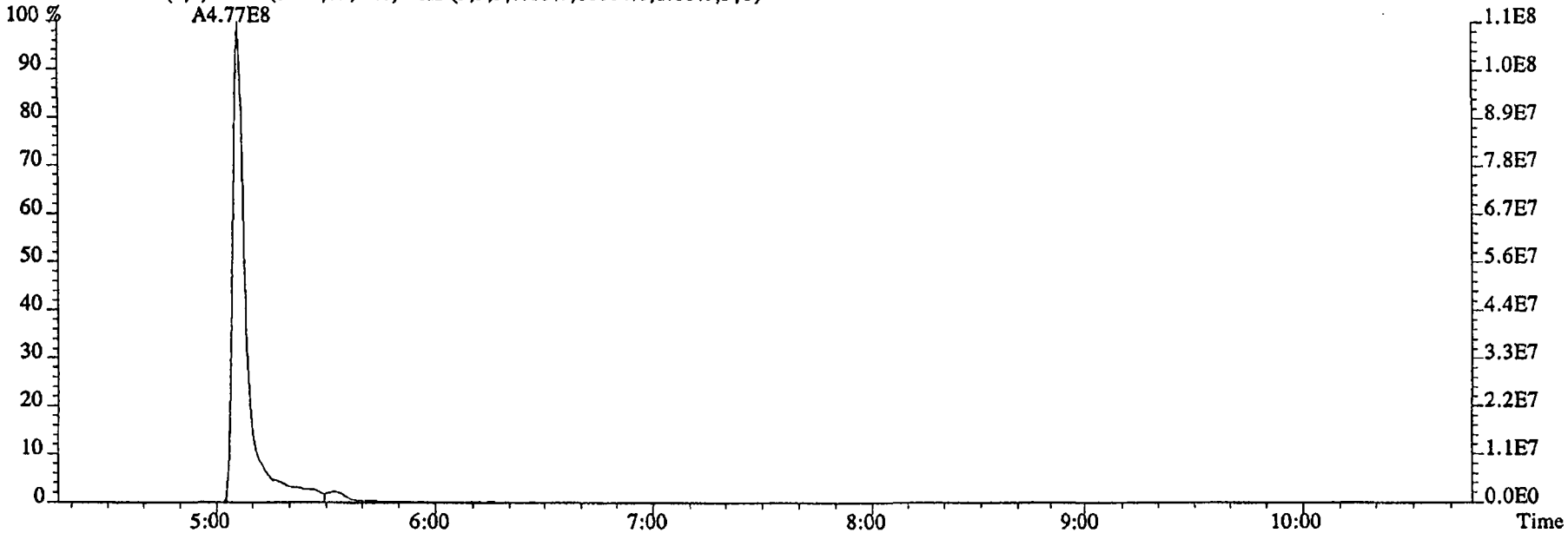
File:16DE045SP #1-592 Acq:16-DEC-2004 19:39:23 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1216C :CS4 2350-68D Exp:NDMAVOA
118.9920 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



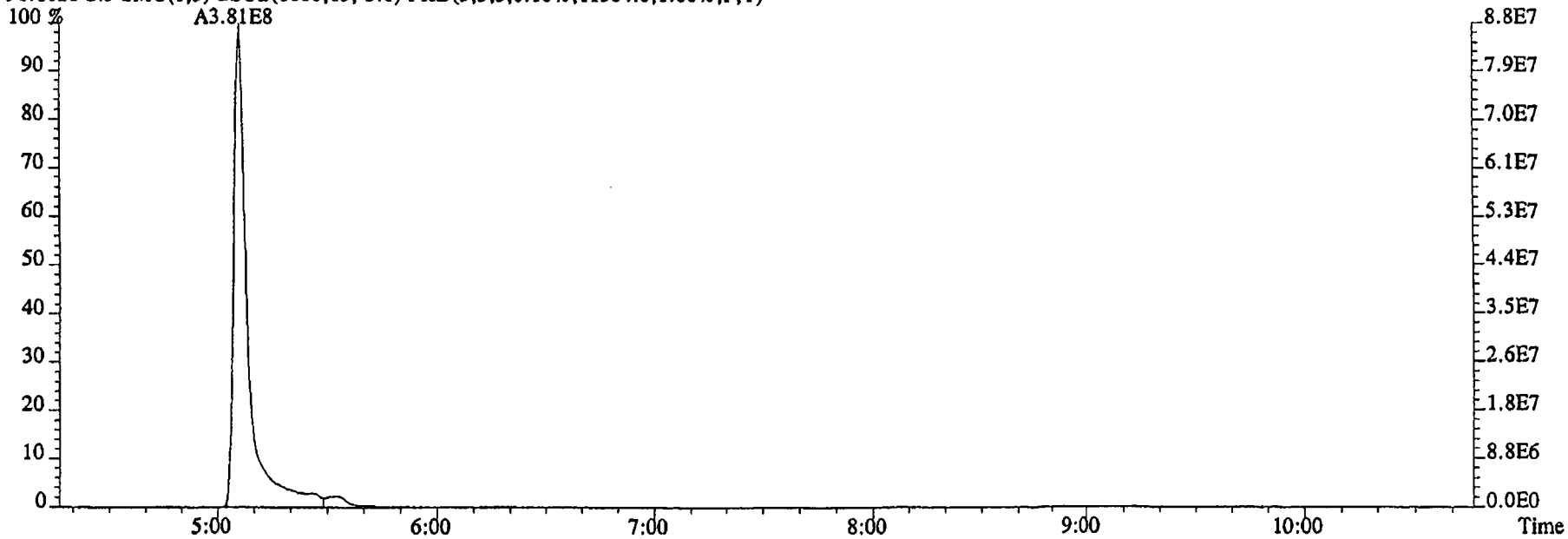
111.9936 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
88.0524 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16664.0,1.00%,F,T)

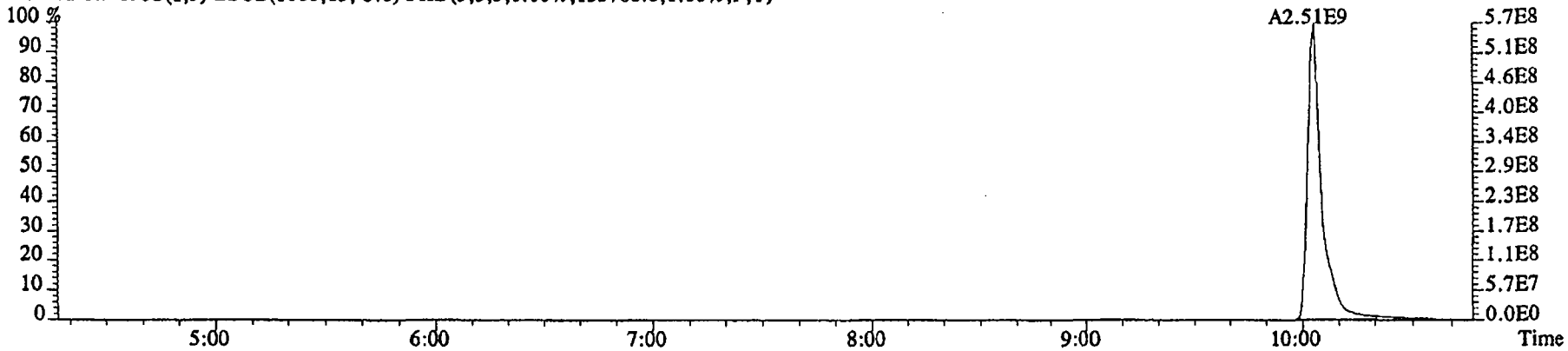


96.1026 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,11384.0,1.00%,F,T)

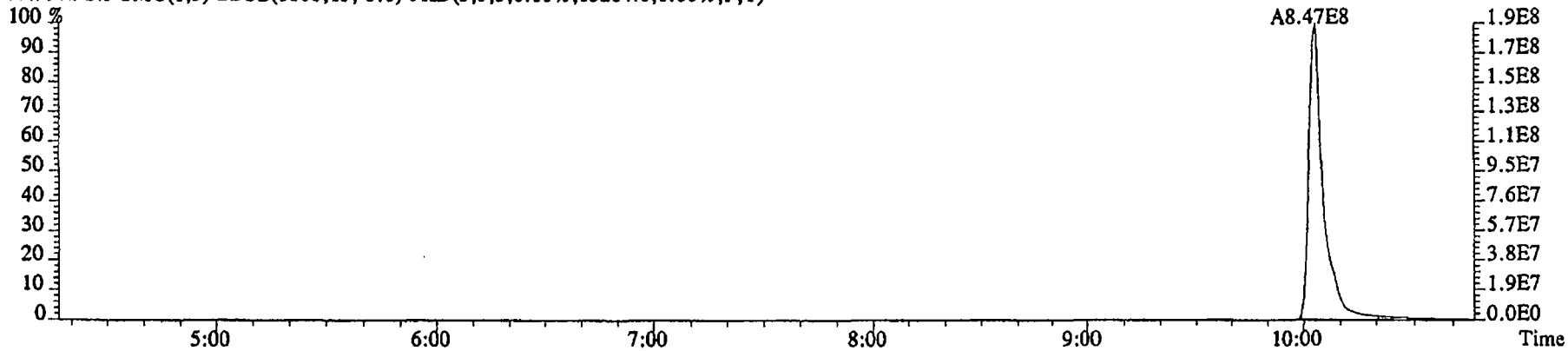


File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA

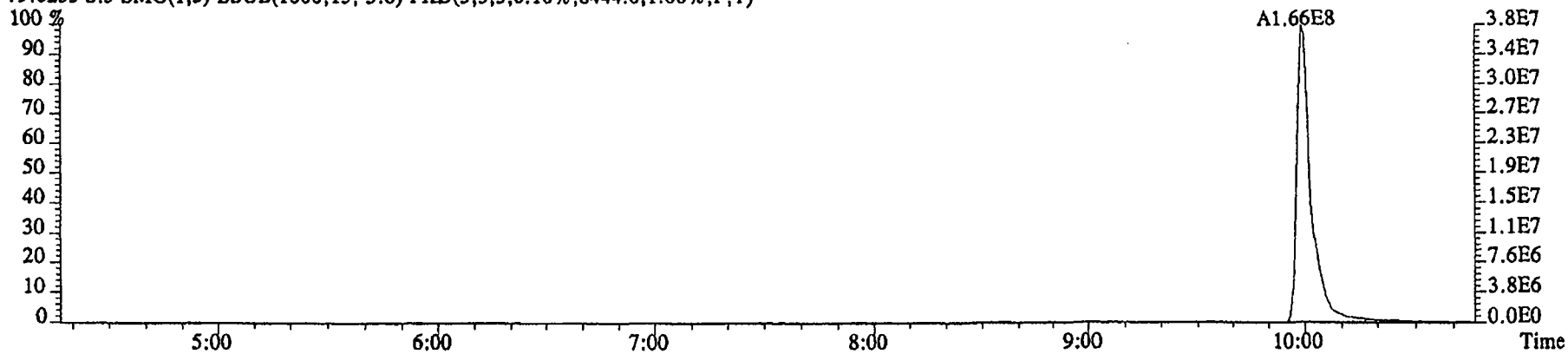
75.0002 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,135768.0,1.00%,F,T)



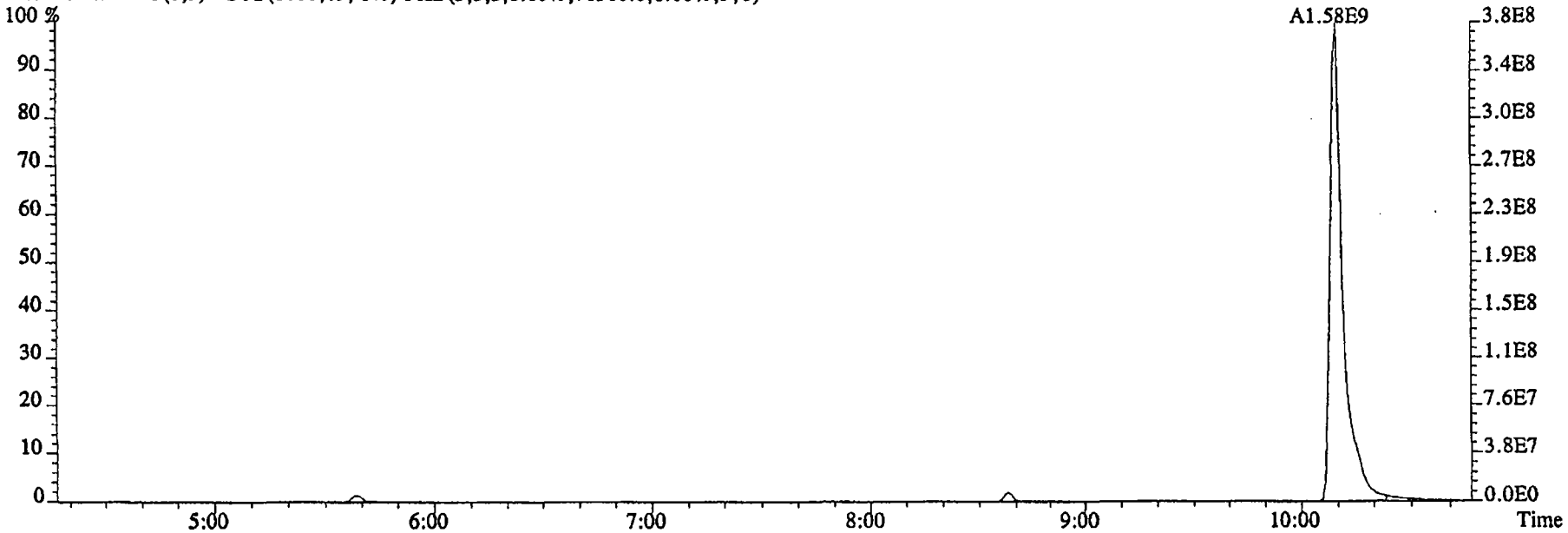
76.9972 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15204.0,1.00%,F,T)



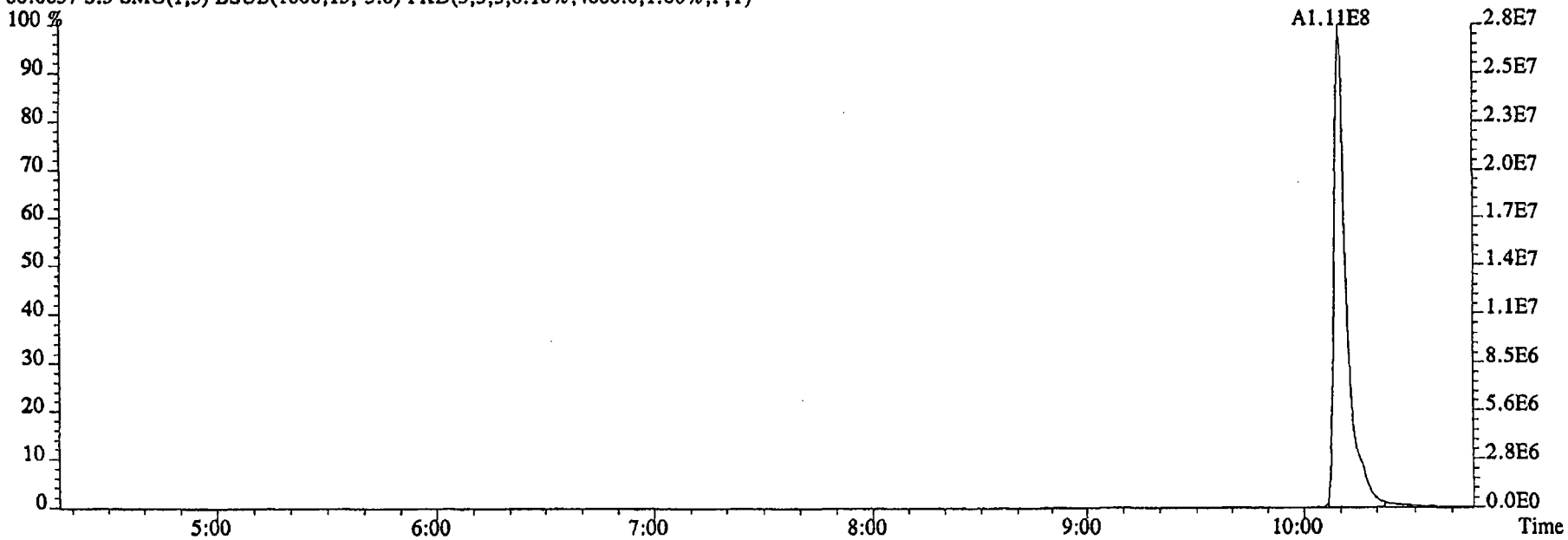
79.0253 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8444.0,1.00%,F,T)



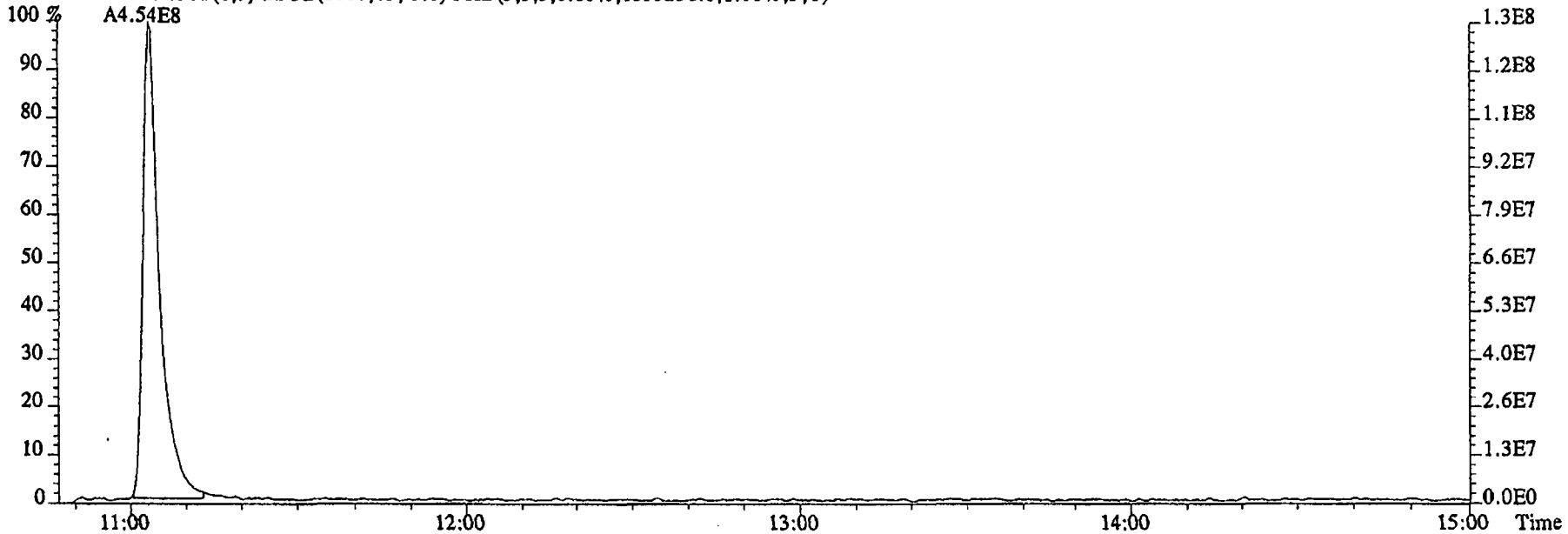
File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
74.0480 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,71568.0,1.00%,F,T)



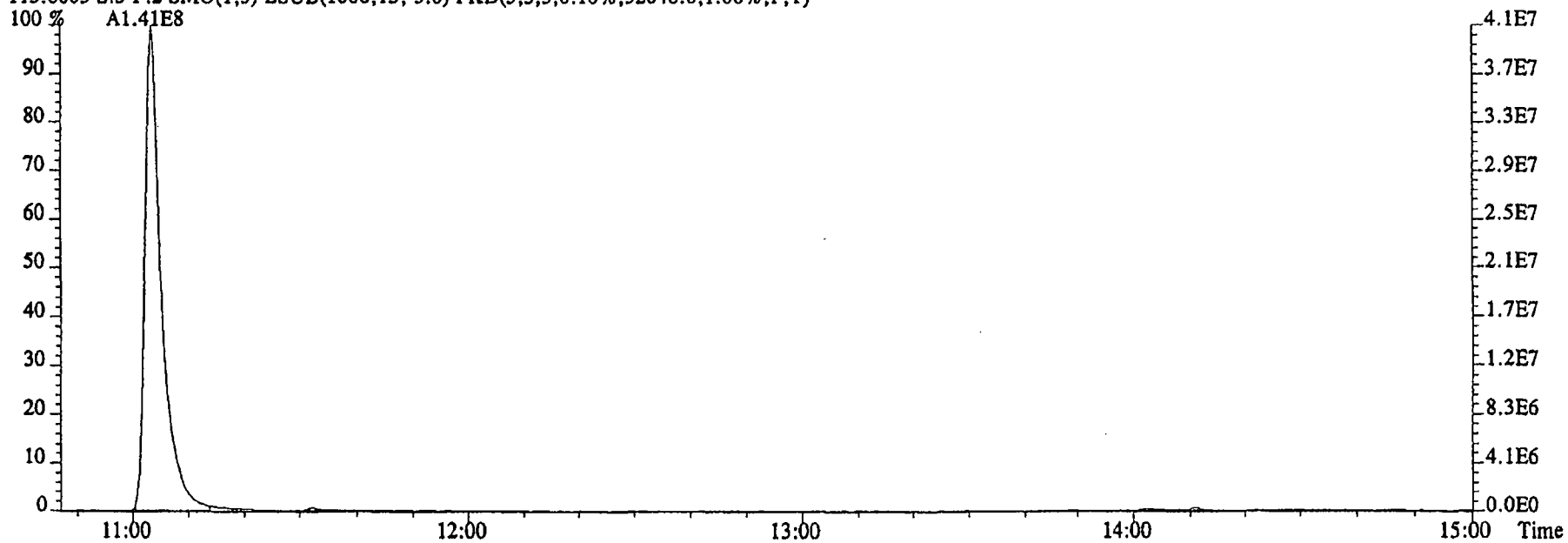
80.0857 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4660.0,1.00%,F,T)



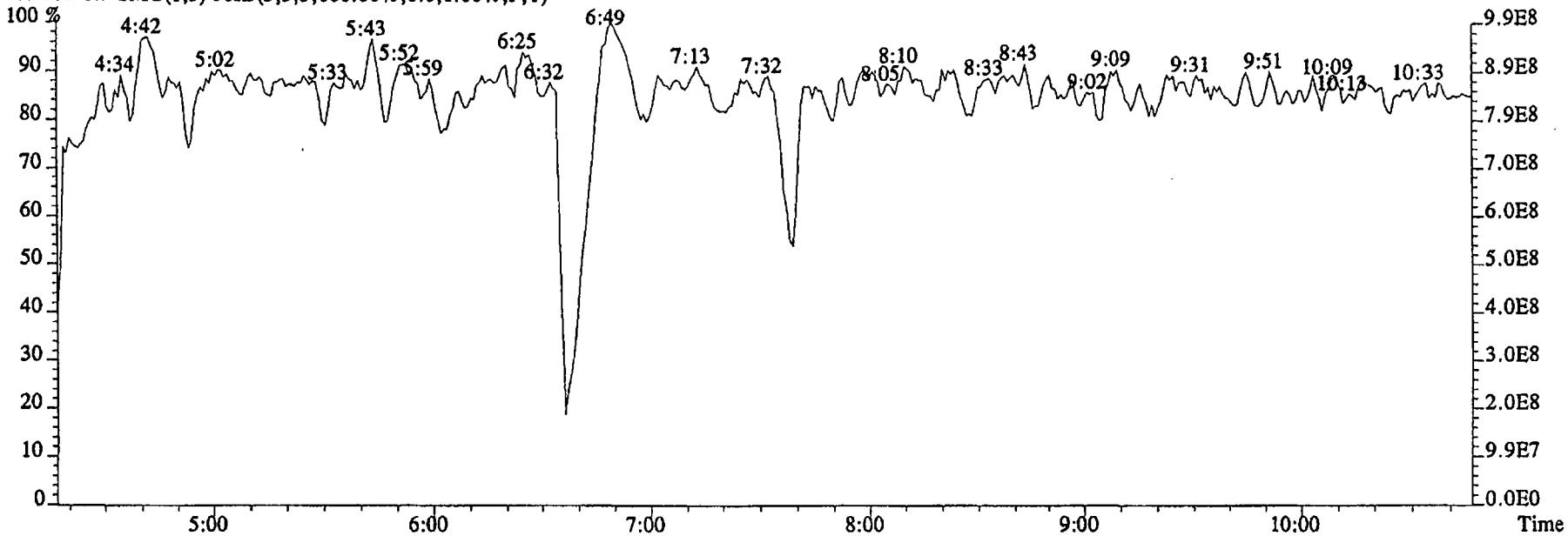
File:16DE045SP #1-590 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
113.0032 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,1335256.0,1.00%,F,T)



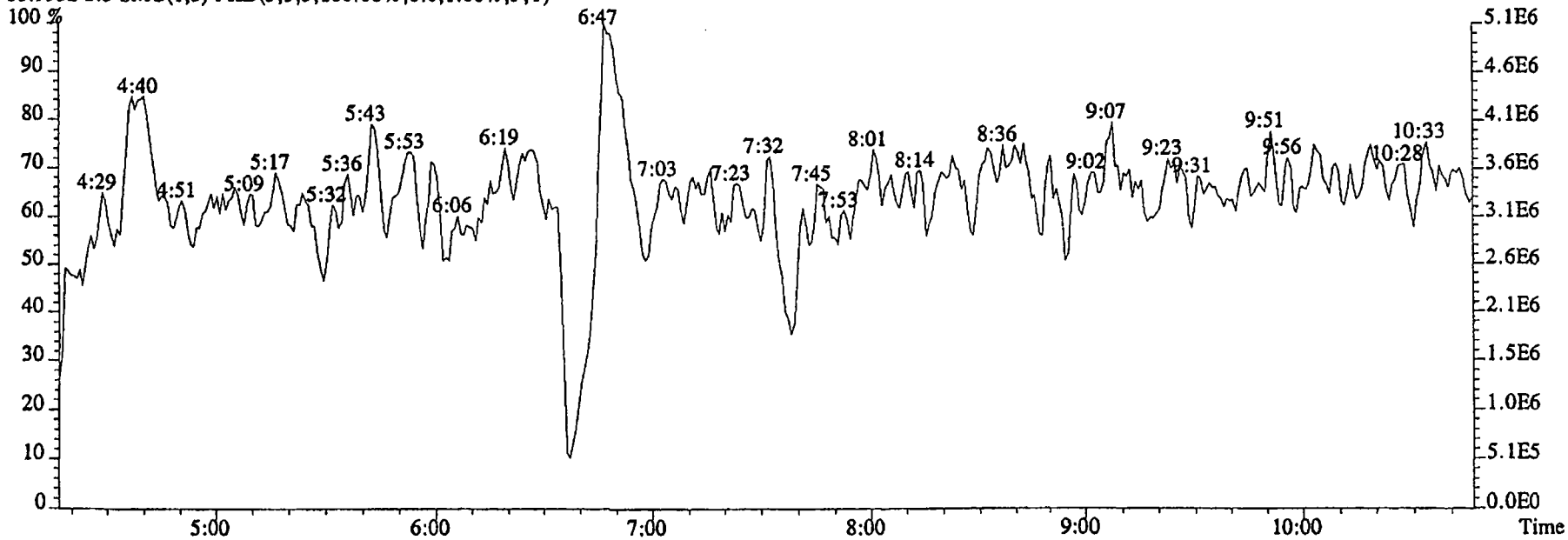
115.0003 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,32048.0,1.00%,F,T)



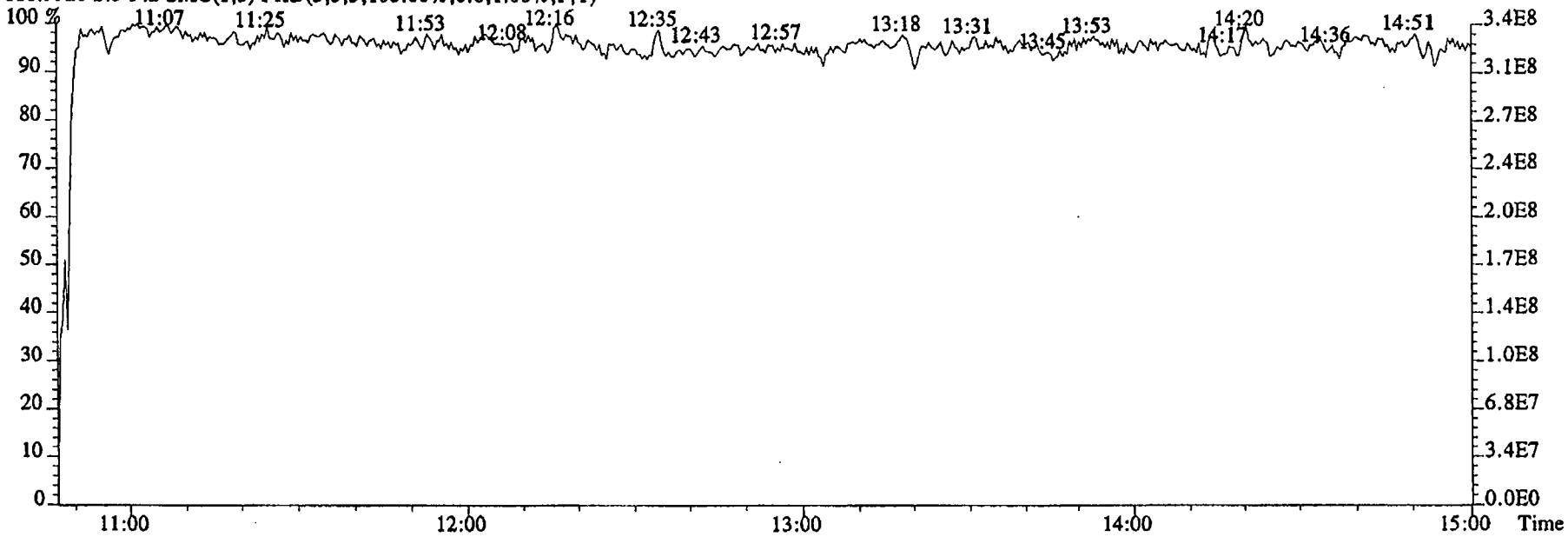
File:16DE045SP #1-480 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
68.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



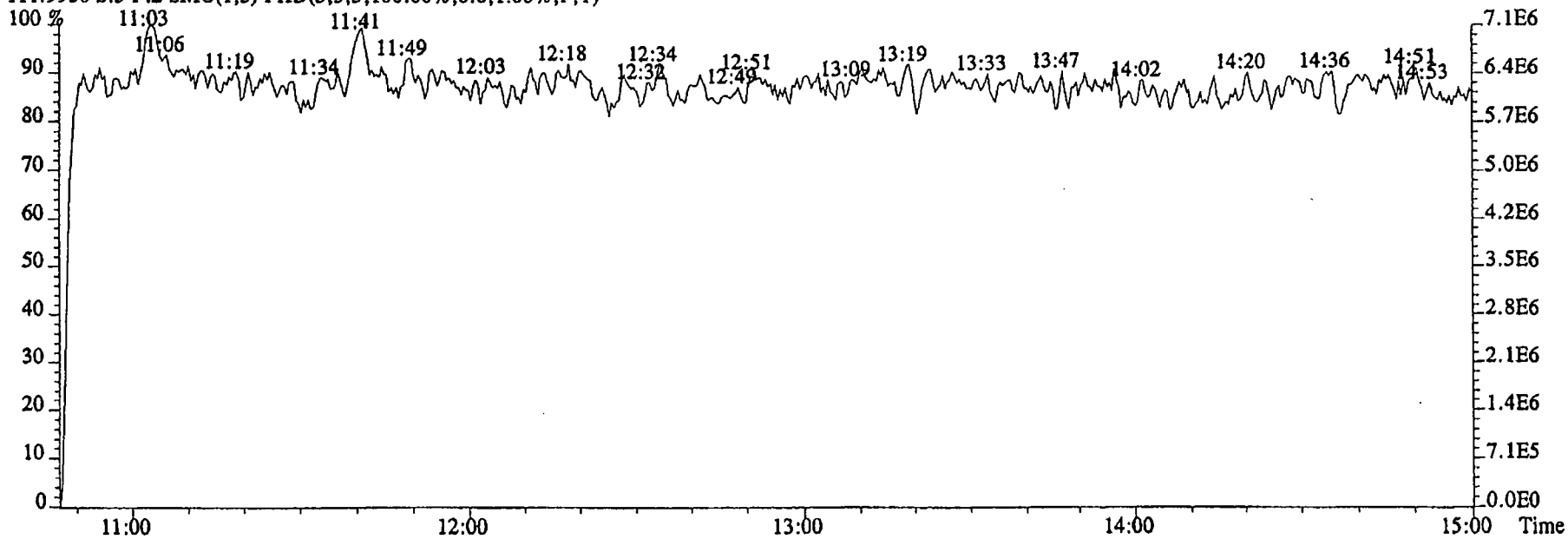
80.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:16DE045SP #1-590 Acq:16-DEC-2004 19:59:44 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1216D :CS5 2350-68E Exp:NDMAVOA
118.9920 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



SEVERN TRENT SERVICES

Initial Calibration Checklist

High Resolution

ICAL ID 1625122904SSP

Method ID 1625 (MOD)

Column ID SP-2331

Instrument ID SSP

STD ID's ST12289 - ST12290

STD Solution 2350-61A-61E

Multiplier Setting 720 V

Analyzed By cpitchell

Date Analyzed 12-29-04

Prepared By cpitchell

Date Prepared 12-30-04

Reviewed By am

Date Reviewed 12-30-04

ANALYSIS OF ICAL	INITIATED	REVIEWED
Curve summary present?	✓	✓
Hardcopies of chromatograms for CS1-CS5 present?	✓	✓
Copy of log-file present?	✓	✓
Static resolution check present?	✓	✓
Target file RT's correct?	✓	✓
%RSD within method-specified limits?*	✓	✓
Signal-to-noise criteria met?*	✓	✓
Isotopic ratios within limits?	NA	NA
High point free of saturation?	✓	✓
Are chromatographic windows correct?	✓	✓
Manual reintegration's checked and hardcopies included?	✓	✓

COMMENTS:

*Method 8290: %RSD ≤ 20% for natives, ≤ 30% for labeled analytes; S/N ≥ 10
Method 1613A: %CV ≤ 35% (See Table 7, Method 1613A); S/N ≥ 10
Method 23: %RSD ≤ values specified in Table 5, Method 23; S/N > 2.5
PAH: %RSD ≤ 30% for natives and labeled compounds; S/N ≥ 10
PCB: %RSD ≤ 20% for natives, ≤ 40% for labeled compounds; S/N ≥ 2.5
NCASI 551: %RSD ≤ 20% for natives and labeled compounds; ≥ 5
DBD/DBF: %RSD≤30% for natives, ≤40% for labeled analytes; S/N≥10

Run: CP Analyte: 1625 Cal: 16251229045SP

CS1 2350-68A CS2 2350-68B CS3 2350-68C
CS4 2350-68D CS5 2350-68E

Name	Mean	S. D.	%RSD	29DE045SP S1 RRF1	29DE045SP S2 RRF2	29DE045SP S3 RRF3	29DE045SP S4 RRF4	29DE045SP S5 RRF5
2-Chloropyridine	-	-	- %	-	-	-	-	-
D8-1,4-Dioxane	1.109	0.124	11.2 %	1.16	1.20	1.23	0.99	0.97
1,4-Dioxane	1.890	0.233	12.3 %	1.73	1.85	1.65	1.98	2.24
D5-123-TriChloroPropane	2.685	0.728	27.1 %	1.76	2.19	2.94	2.91	3.63
1,2,3-TriChloroPropane	0.439	0.039	8.78 %	0.48	0.47	0.40	0.45	0.40
1,2,3-TriChloroPropane	-	-	- %	-	-	-	-	-
D6-NDMA	1.682	0.384	22.8 %	1.23	1.39	1.81	1.78	2.21
NDMA	1.368	0.111	8.14 %	1.54	1.39	1.27	1.36	1.28
2-Chloropyridine	-	-	- %	-	-	-	-	-

Run #1 Filename 29DE045SP S: 1 I: 1
Acquired: 29-DEC-04 13:31:25 Processed: 29-DEC-04 15:20:22
Run: CP Analyte: 1625 Cal: 16251229045SP
Comments:
Sample text: CS1 2350-68A

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	43931900		11:07	-	200.00	n
D8-1,4-Dioxane	255280000		5:08	1.16	1000.00	n
1,4-Dioxane	883662		5:08	1.73	2.00	n
D5-123-TriChloroPropane	38606100		10:02	1.76	100.00	n
1,2,3-TriChloroPropane	371892		10:06	0.48	2.00	n
1,2,3-TriChloroPropane	1083540		10:06	-	2.00	n
D6-NDMA	27059200		10:14	1.23	100.00	n
NDMA	835410		10:13	1.54	2.00	y
2-Chloropyridine	137336000		11:07	-	200.00	n

Run #2 Filename 29DE045SP S: 2 I: 1
Acquired: 29-DEC-04 13:51:41 Processed: 29-DEC-04 15:20:23
Run: CP Analyte: 1625 Cal: 16251229045SP
Comments:
Sample text: CS2 2350-68B

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	36619300		11:06	-	200.00	n
D8-1,4-Dioxane	220296000		5:09	1.20	1000.00	n
1,4-Dioxane	4065020		5:09	1.85	10.00	y
D5-123-TriChloroPropane	40043400		10:03	2.19	100.00	n
1,2,3-TriChloroPropane	1878290		10:06	0.47	10.00	n
1,2,3-TriChloroPropane	5780820		10:06	-	10.00	n
D6-NDMA	25406600		10:13	1.39	100.00	n
NDMA	3536450		10:12	1.39	10.00	n
2-Chloropyridine	114393000		11:07	-	200.00	n

Run #3 Filename 29DE045SP S: 3 I: 1
Acquired: 29-DEC-04 14:12:03 Processed: 29-DEC-04 15:20:23
Run: CP Analyte: 1625 Cal: 16251229045SP
Comments:
Sample text: CS3 2350-68C

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	32991000		11:07	-	200.00	n
D8-1,4-Dioxane	202800000		5:09	1.23	1000.00	n
1,4-Dioxane	16745100		5:09	1.65	50.00	y
D5-123-TriChloroPropane	48555000		10:03	2.94	100.00	n
1,2,3-TriChloroPropane	9638120		10:06	0.40	50.00	n
1,2,3-TriChloroPropane	30734100		10:07	-	50.00	n
D6-NDMA	29834500		10:13	1.81	100.00	n
NDMA	18947600		10:13	1.27	50.00	n
2-Chloropyridine	105319000		11:07	-	200.00	n

Run #4 Filename 29DE045SP S: 4 I: 1
Acquired: 29-DEC-04 14:32:28 Processed: 29-DEC-04 15:20:23
Run: CP Analyte: 1625 Cal: 16251229045SP
Comments:
Sample text: CS4 2350-68D

Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	37422400		11:07	-	200.00	n
D8-1,4-Dioxane	184403000		5:08	0.99	1000.00	n
1,4-Dioxane	72953900		5:08	1.98	200.00	n
D5-123-TriChloroPropane	54362300		10:02	2.91	100.00	n
1,2,3-TriChloroPropane	48462000		10:06	0.45	200.00	n
1,2,3-TriChloroPropane	155601000		10:06	-	200.00	n
D6-NDMA	33276800		10:14	1.78	100.00	n
NDMA	90306800		10:13	1.36	200.00	n
2-Chloropyridine	120379000		11:07	-	200.00	n

Run #5 Filename 29DE045SP S: 5 I: 1
Acquired: 29-DEC-04 14:52:54 Processed: 29-DEC-04 15:20:24
Run: CP Analyte: 1625 Cal: 16251229045SP
Comments:

Sample text: CS5 2350-68E

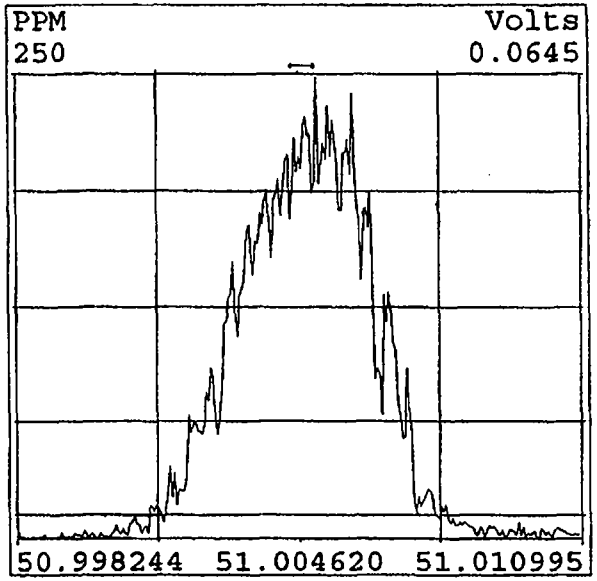
Name	Resp	RA	RT	RRF		Mod?
2-Chloropyridine	34836700		11:07	-	200.00	n
D8-1,4-Dioxane	168307000		5:08	0.97	1000.00	n
1,4-Dioxane	377465000		5:09	2.24	1000.00	n
D5-123-TriChloroPropane	63242900		10:02	3.63	100.00	n
1,2,3-TriChloroPropane	253903000		10:06	0.40	1000.00	n
1,2,3-TriChloroPropane	819992000		10:06	-	1000.00	n
D6-NDMA	38415600		10:14	2.21	100.00	n
NDMA	490177000		10:13	1.28	1000.00	n
2-Chloropyridine	110629000		11:07	-	200.00	n

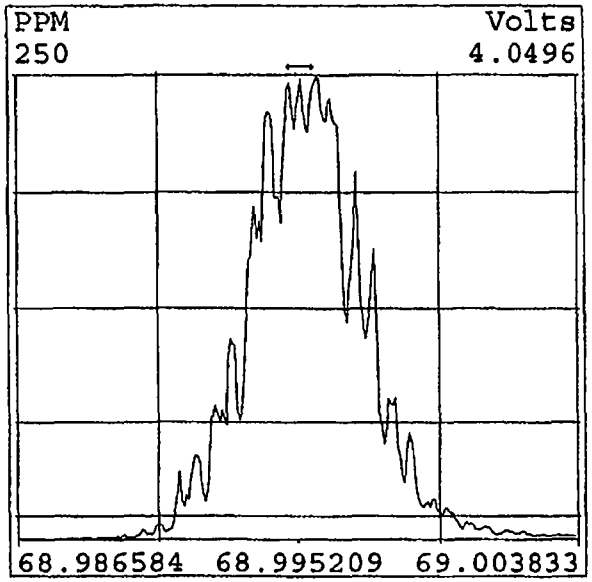
Data file	Smp	Work Order	Sample ID	FV-uL	Method/Matrix	Box	Size	U
29DE045SP	1	ST1229	CS1 2350-68A				1.000	
29DE045SP	2	ST1229A	CS2 2350-68B				1.000	
29DE045SP	3	ST1229B	CS3 2350-68C				1.000	
29DE045SP	4	ST1229C	CS4 2350-68D				1.000	
29DE045SP	5	ST1229D	CS5 2350-68E				1.000	
29DE045SP	6	SB1229	Solvent Blank DCM				1.000	
29DE045SP	7	G0XDP-1-AAB	G4L080479-1MB	500	1625/WATER	VS54	1.000	L
29DE045SP	8	G0XDP-1-ACC	G4L080479-1LCS	500	1625/WATER		1.000	L
29DE045SP	9	G1NWF-1-AAB	G4L080479-1MBRX	500	1625/WATER	VS56	1.000	L
29DE045SP	10	G1NWF-1-ACC	G4L080479-1LCSRX	500	1625/WATER		1.000	L
29DE045SP	11	G0K68-2-AC	G4L080479-1RX	500	1625/WATER		0.974	L
29DE045SP	12	G0K69-2-AC	G4L080479-2RX	500	1625/WATER		0.972	L
29DE045SP	13	G0K7A-2-AC	G4L080479-3RX	500	1625/WATER		0.652	L
29DE045SP	14	G0K7D-2-AC	G4L080479-4RX	500	1625/WATER		0.933	L
29DE045SP	15	G0K7E-2-AC	G4L080479-5RX	500	1625/WATER		0.928	L
29DE045SP	16	G0K7F-2-AC	G4L080479-6RX	500	1625/WATER		0.896	L
29DE045SP	17	G1J3M-1-AAB	E4L140212-4MB	500	1625/WATER		1.000	L
29DE045SP	18	G1J3M-1-ACC	E4L140212-4LCS	500	1625/WATER		1.000	L
29DE045SP	19	G01DV-1-AA	E4L140212-4	500	1625/WATER		1.034	L
29DE045SP	20	G01FC-1-AA	E4L140212-6	500	1625/WATER		1.056	L
29DE045SP	21	G06AP-1-AA	E4L150369-17	500	1625/WATER		1.038	L
29DE045SP	22	G1J3M-1-ADL	E4L150369-17LCS	500	1625/WATER		1.000	L
DE045SP	23	G0PC2-2-AC	G4L090480-1RX	500	1625/WATER		0.973	L
DE045SP	24	G0PC4-2-AC	G4L090480-2RX	500	1625/WATER		0.976	L
29DE045SP	25	G0PC5-2-AC	G4L090480-3RX	500	1625/WATER		0.985	L
29DE045SP	26	G0R14-2-AA	G4L100385-5RX	500	1625/WATER		0.915	L
29DE045SP	27	G0MLW-2-AA	G4L090264-1RX	500	1625/WATER		0.970	L
29DE045SP	28	G1WH4-1-AAB	G4L220361-1MB	500	1625/WATER		1.000	L
29DE045SP	29	G1WH4-1-ACC	G4L220361-1LCS	500	1625/WATER		1.000	L
29DE045SP	30	G1WH4-1-ADL	G4L220361-1DCS	500	1625/WATER		1.000	L
29DE045SP	31	G1PVH-1-AA	G4L220361-1	500	1625/WATER		0.976	L
29DE045SP	32	SB1229A	Solvent Blank DCM				1.000	
29DE045SP	33	ST1229E	CS3 2350-68C				1.000	
29DE045SP	34	SB1229B	Solvent Blank DCM				1.000	
29DE045SP	35	G1J3M-1-AAB	E4L140212-4MB (2X)	1000	1625/WATER	VS56	1.000	L
29DE045SP	36	G1J3M-1-ACC	E4L140212-4LCS (2X)	1000	1625/WATER		1.000	L
29DE045SP	37	G01DV-1-AA	E4L140212-4 (2X)	1000	1625/WATER		1.034	L
29DE045SP	38	G01FC-1-AA	E4L140212-6 (2X)	1000	1625/WATER		1.056	L
29DE045SP	39	G1J3M-1-ADL	E4L150369-17LCS (2X)	1000	1625/WATER		1.000	L
29DE045SP	40						1.000	
29DE045SP	41						1.000	
29DE045SP	42						1.000	
29DE045SP	43						1.000	
29DE045SP	44						1.000	
29DE045SP	45						1.000	
29DE045SP	46		CP, AM 12-29-04				1.000	
29DE045SP	47						1.000	

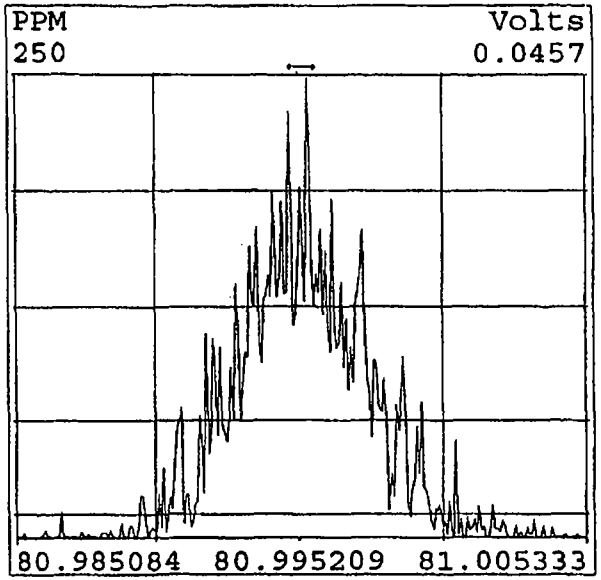
Legend check 12-31-04

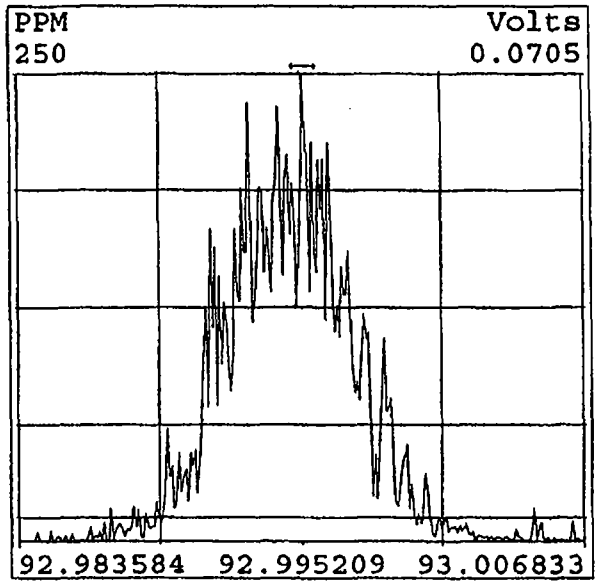
o/p

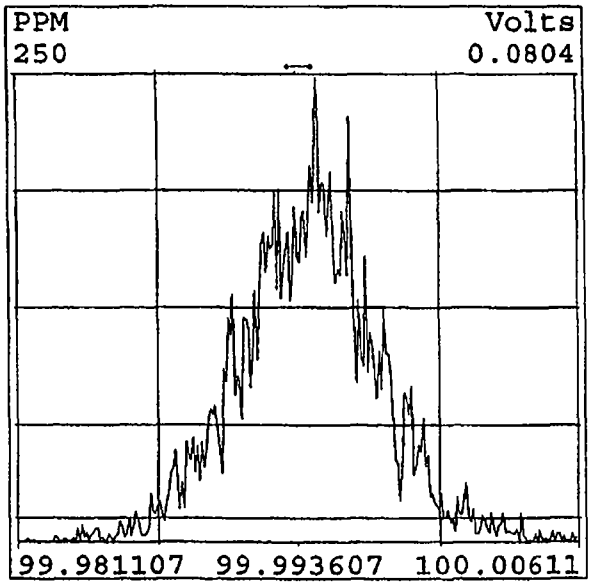
Peak Locate Examination:29-DEC-2004:13:29 File:29DE045SP
Experiment:NDMAVOA Function:1 Reference:PFK



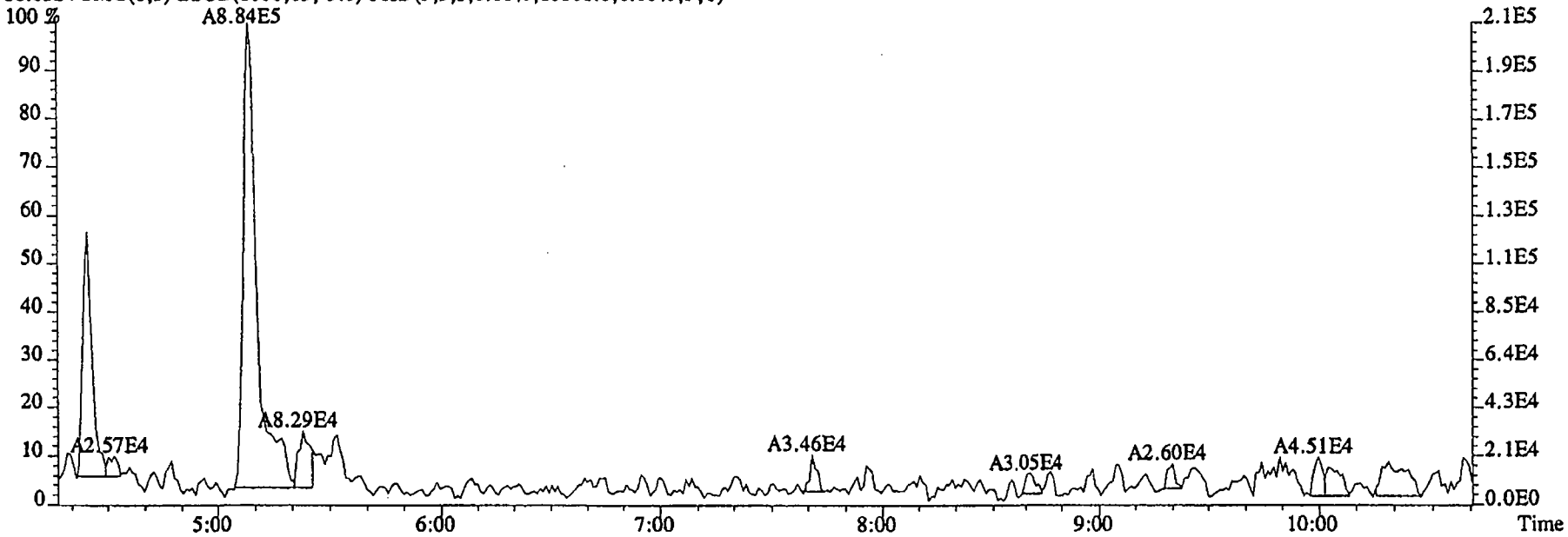




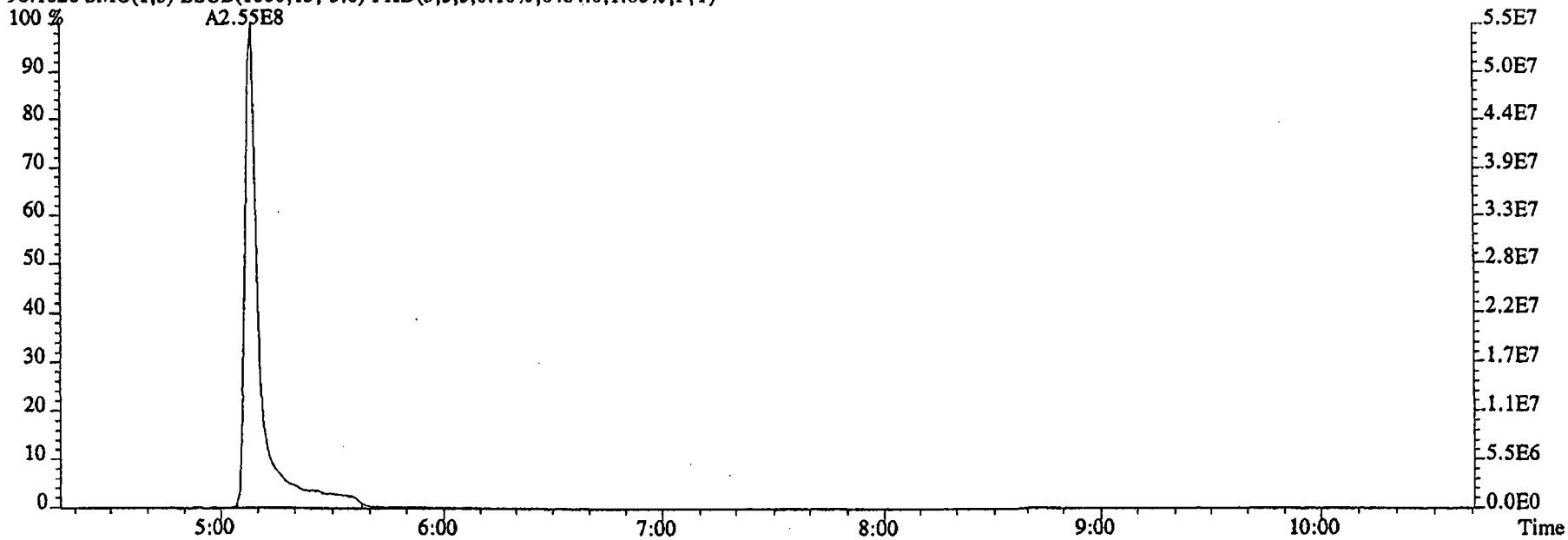




File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
88.0524 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10068.0,1.00%,F,T)

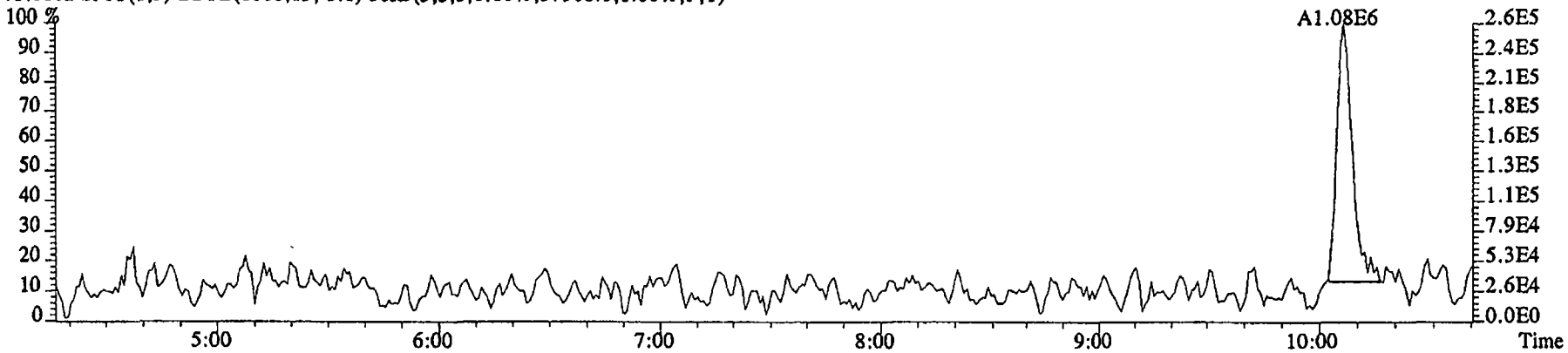


96.1026 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6484.0,1.00%,F,T)

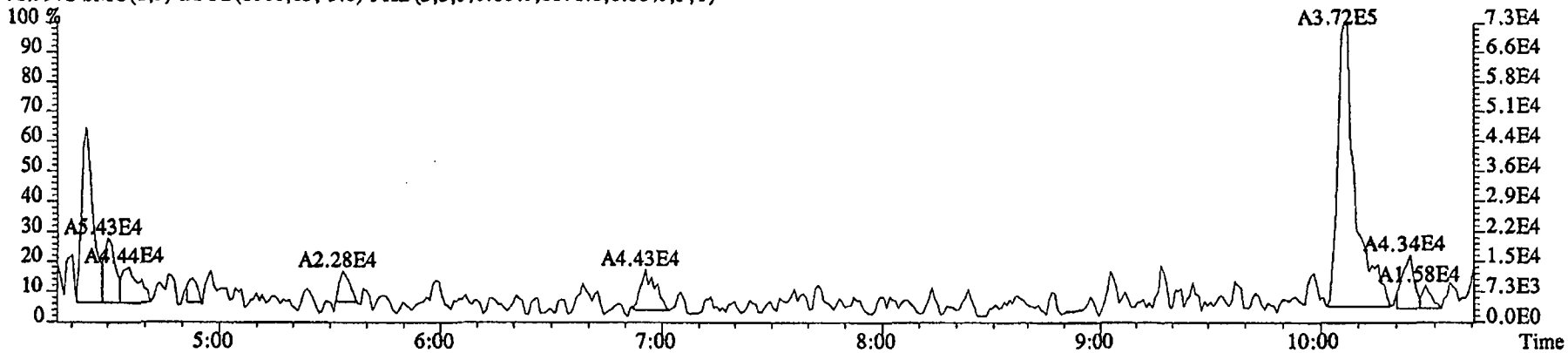


File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA

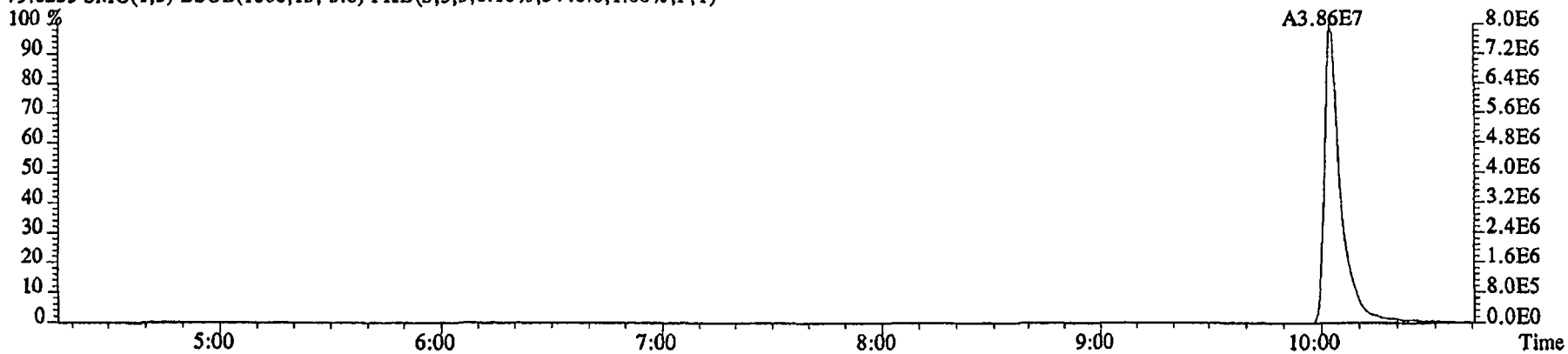
75.0002 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37308.0,1.00%,F,T)



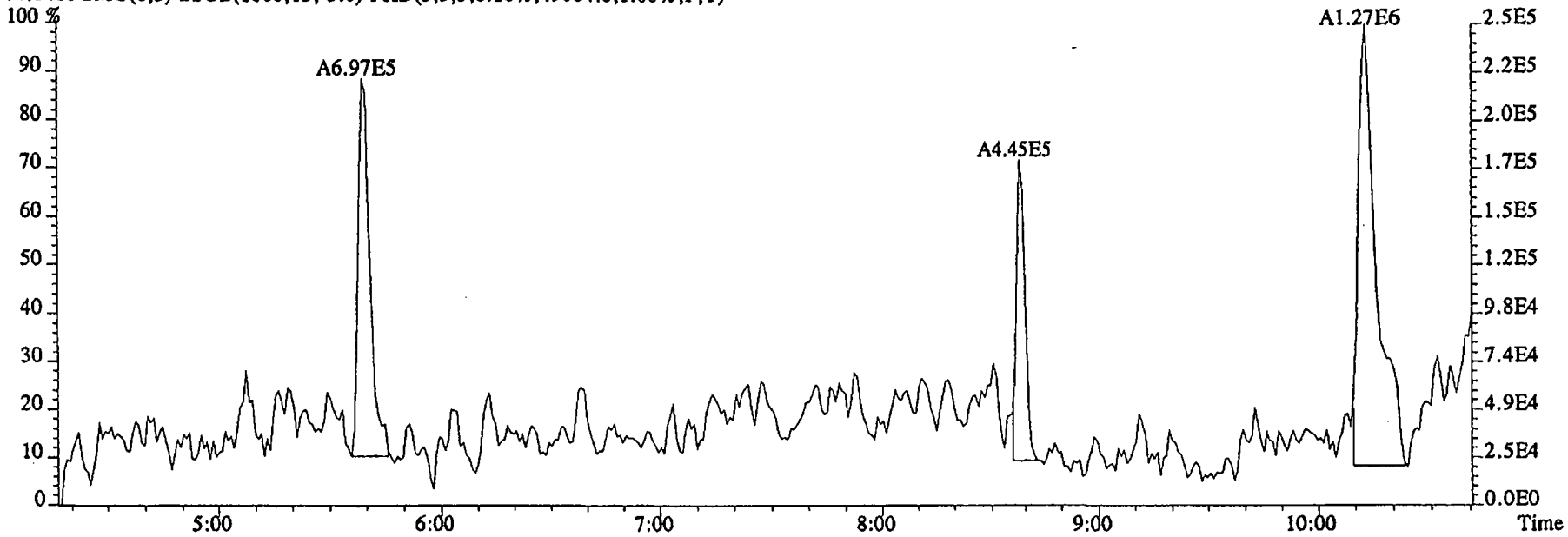
76.9972 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,6076.0,1.00%,F,T)



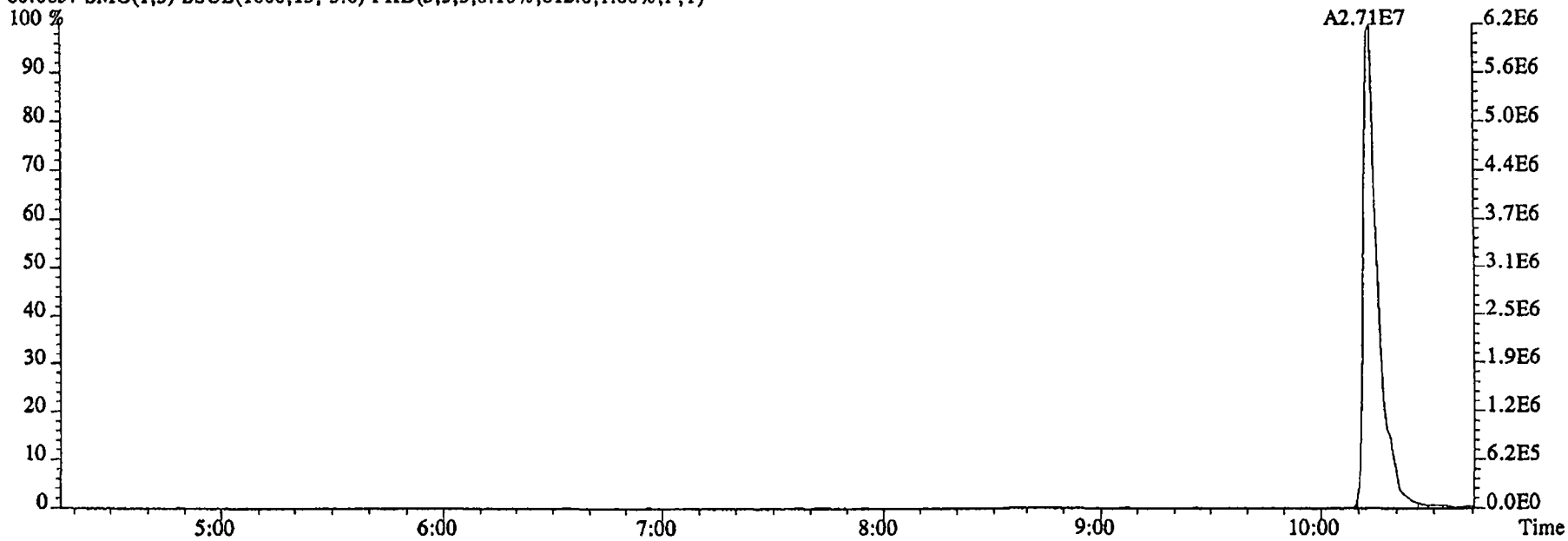
79.0253 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5440.0,1.00%,F,T)



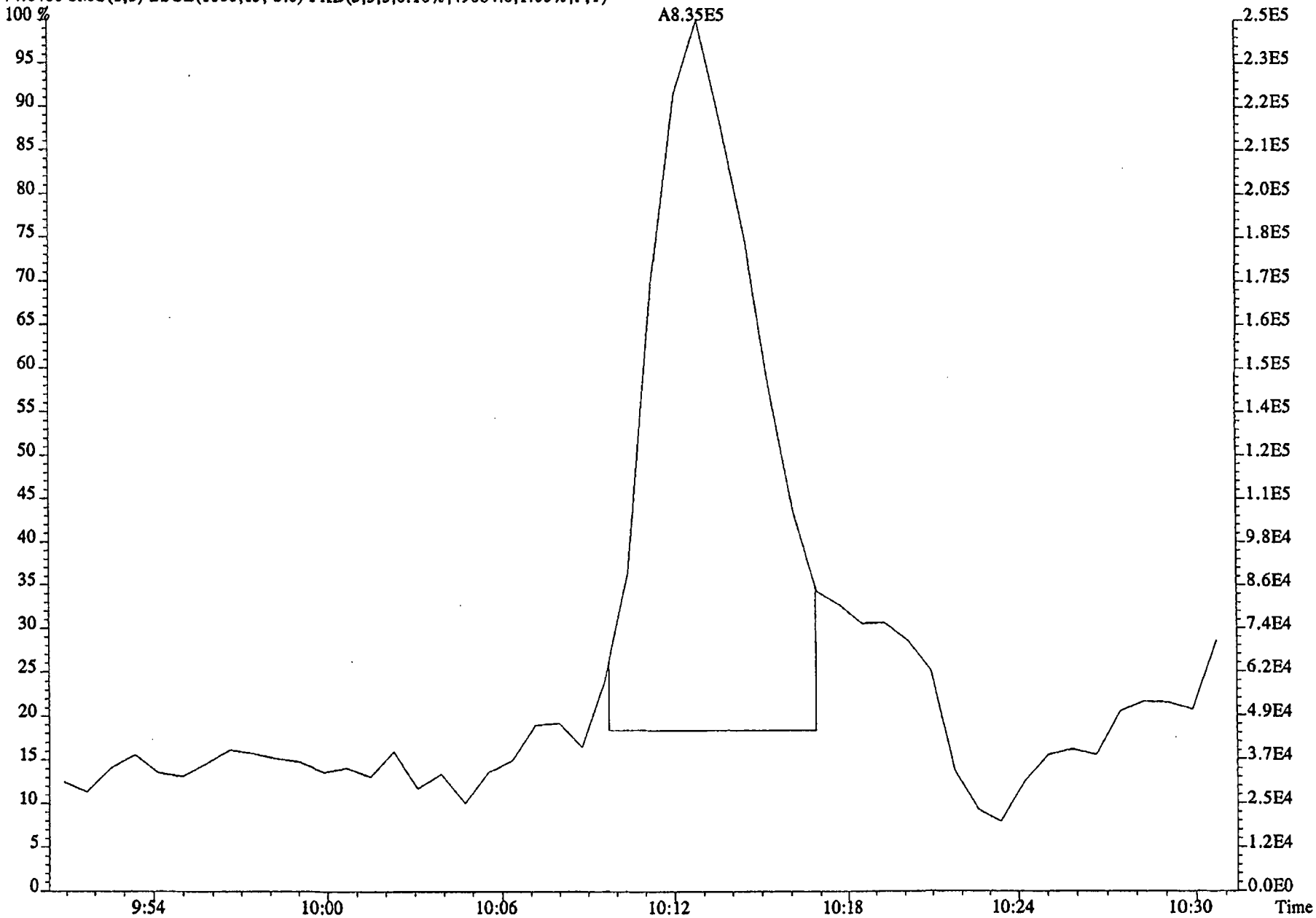
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49084.0,1.00%,F,T)



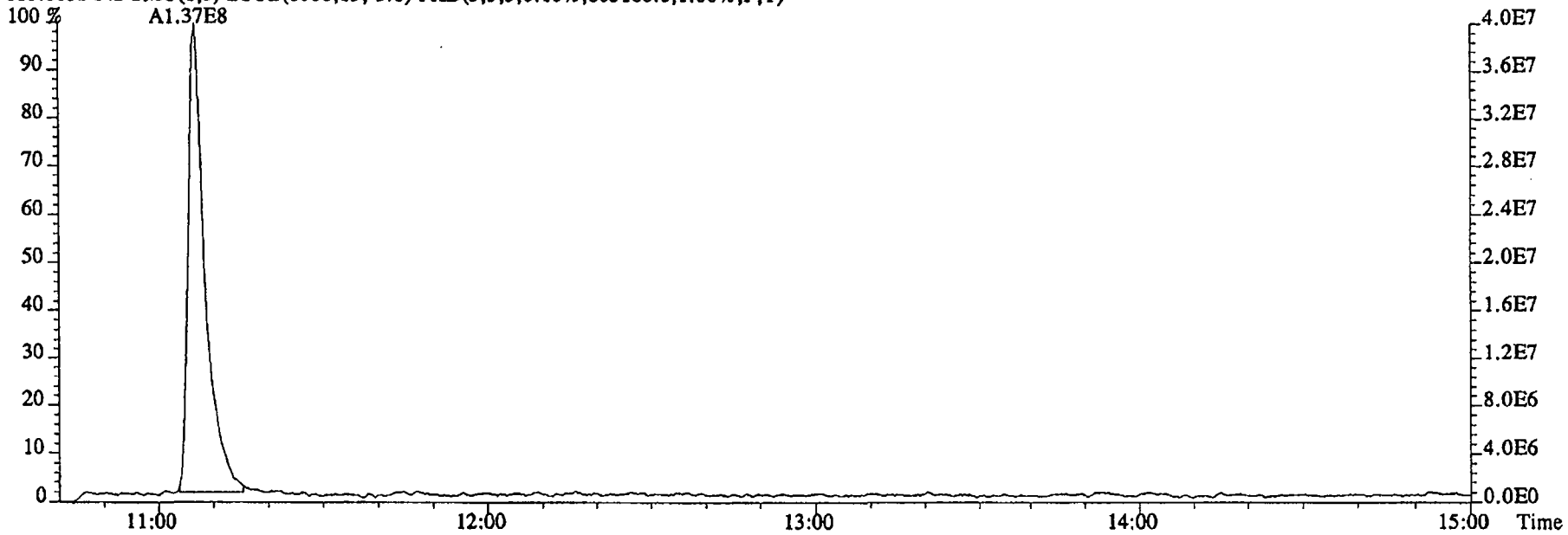
80.0857 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,612.0,1.00%,F,T)



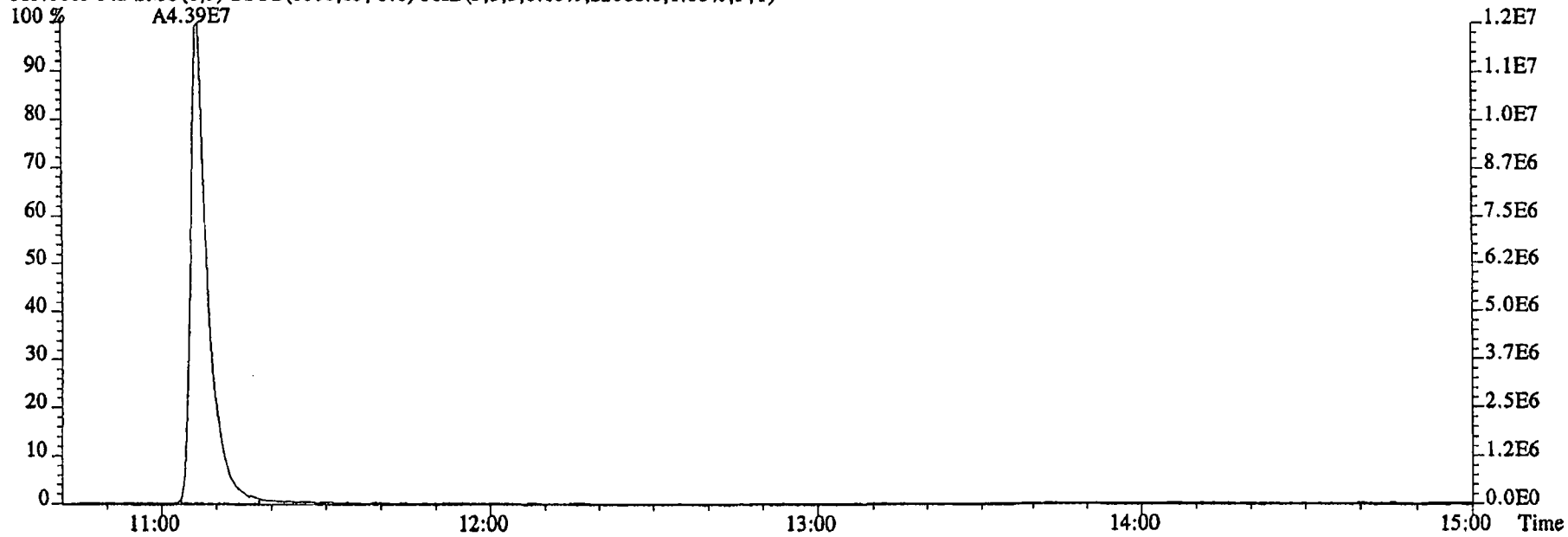
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Exp:NDMAVOA
74.0480 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,49084.0,1.00%,F,T)



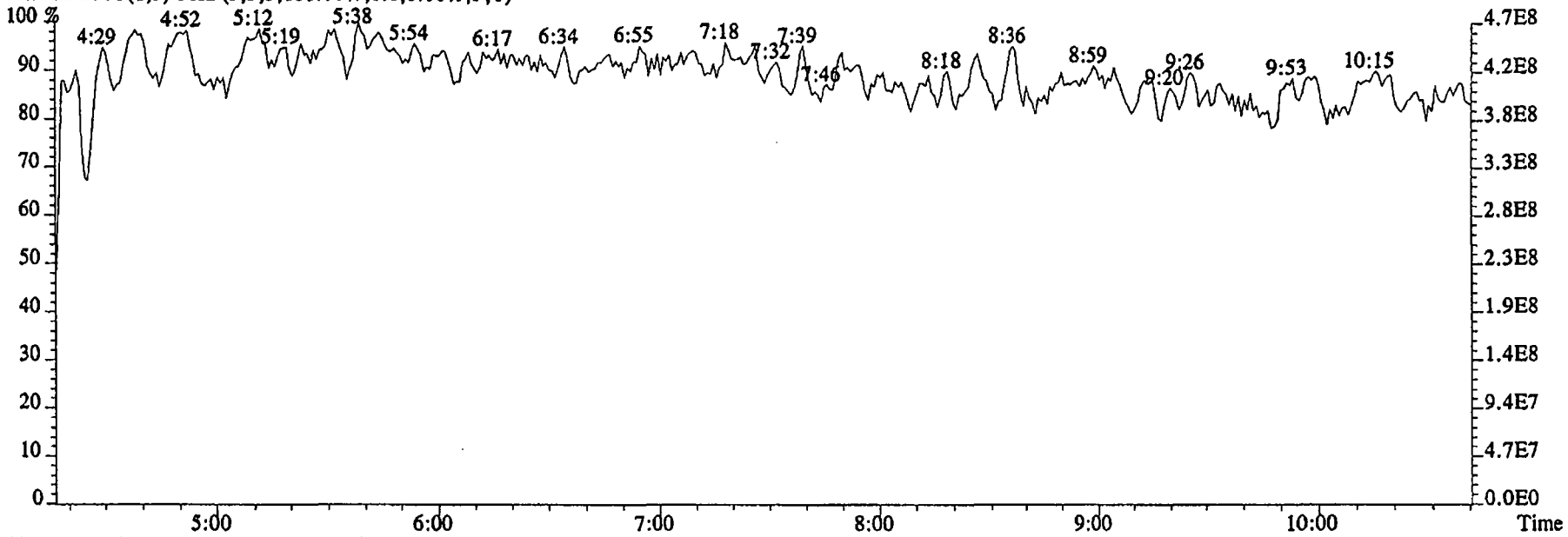
File:29DE045SP #1-602 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
113.0032 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,805188.0,1.00%,F,T)



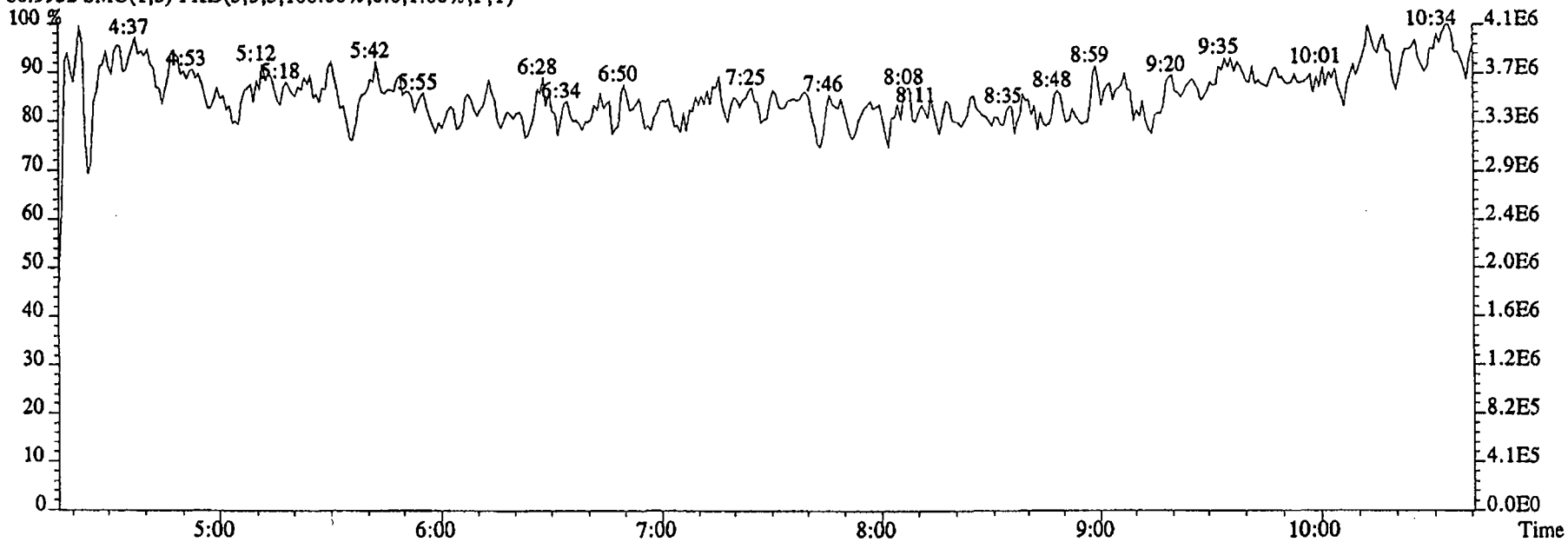
115.0003 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22088.0,1.00%,F,T)



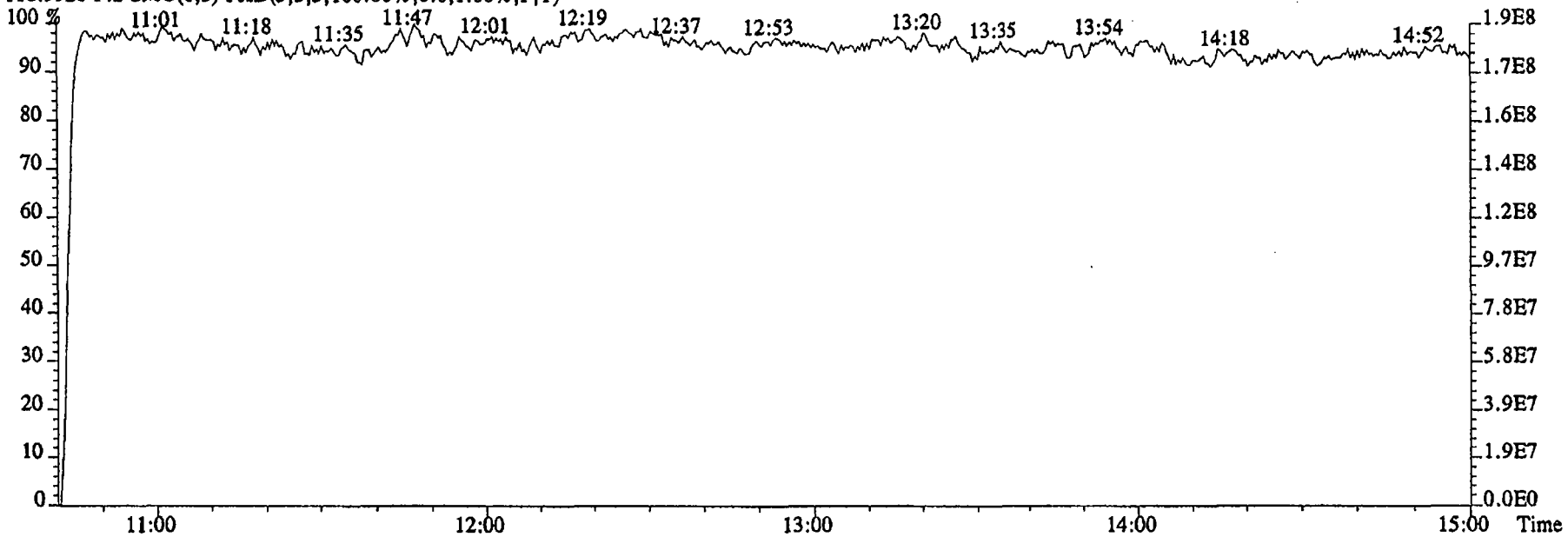
File:29DE045SP #1-474 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
68.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



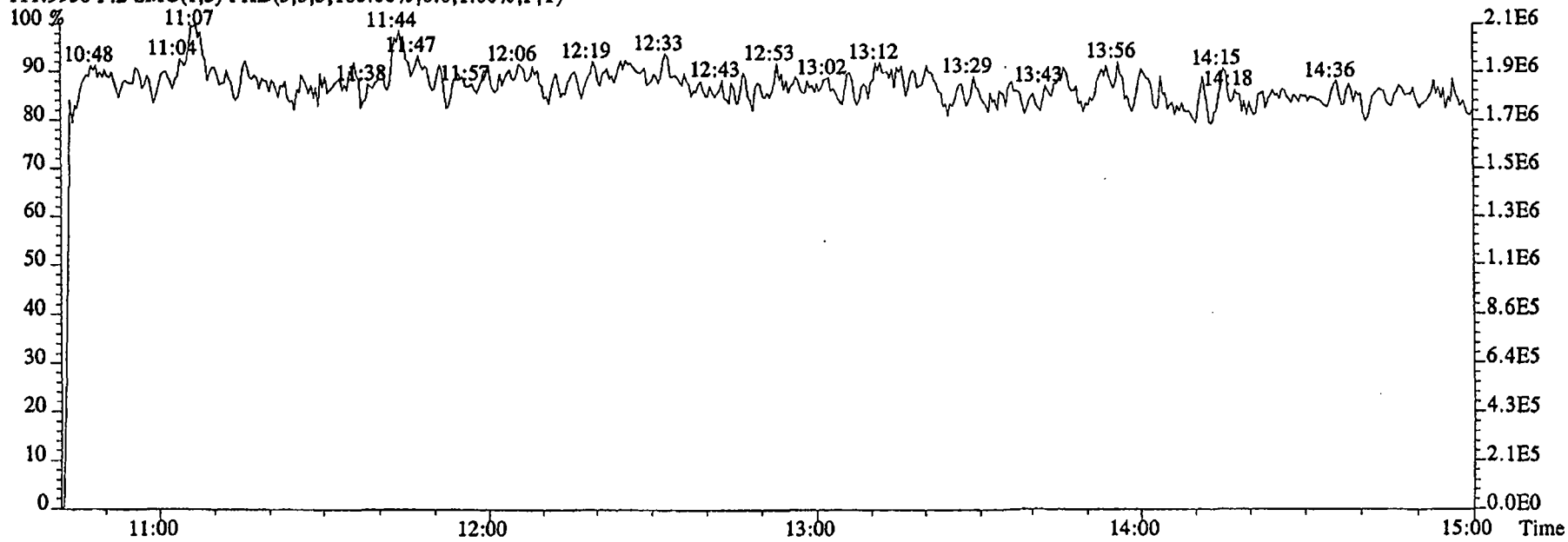
80.9952 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



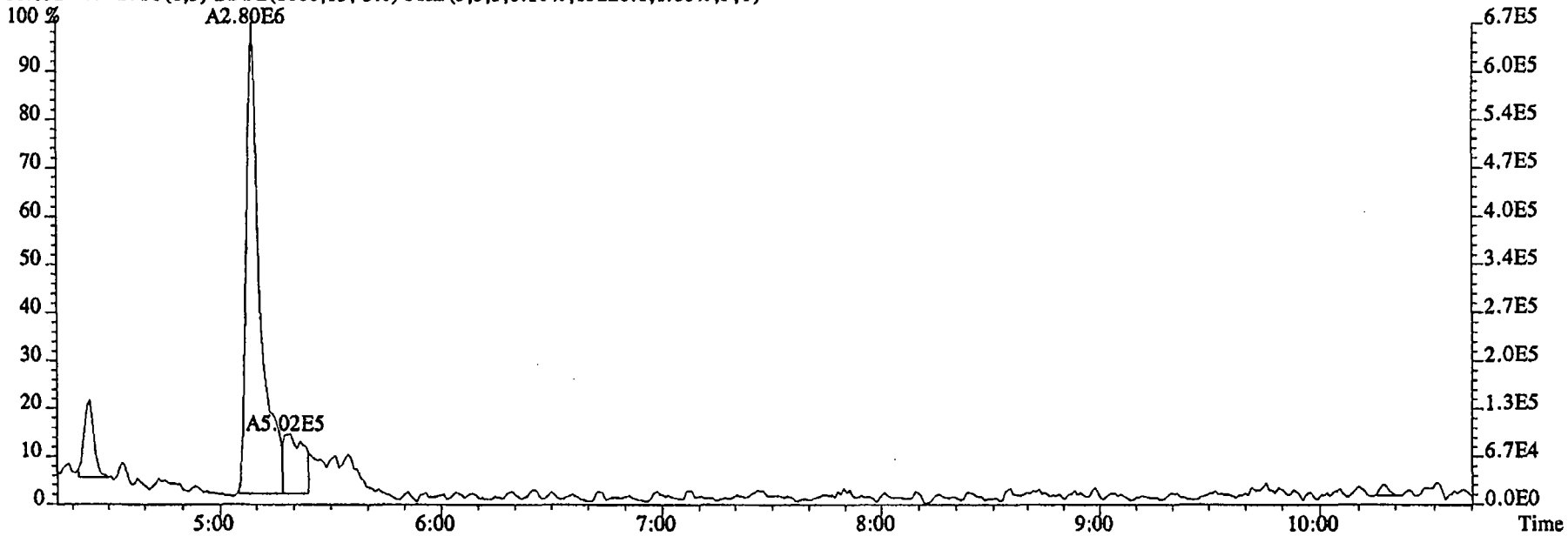
File:29DE045SP #1-602 Acq:29-DEC-2004 13:31:25 GC EI+ Voltage SIR 70SE
Sample#1 Text:ST1229 :CS1 2350-68A Exp:NDMAVOA
118.9920 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



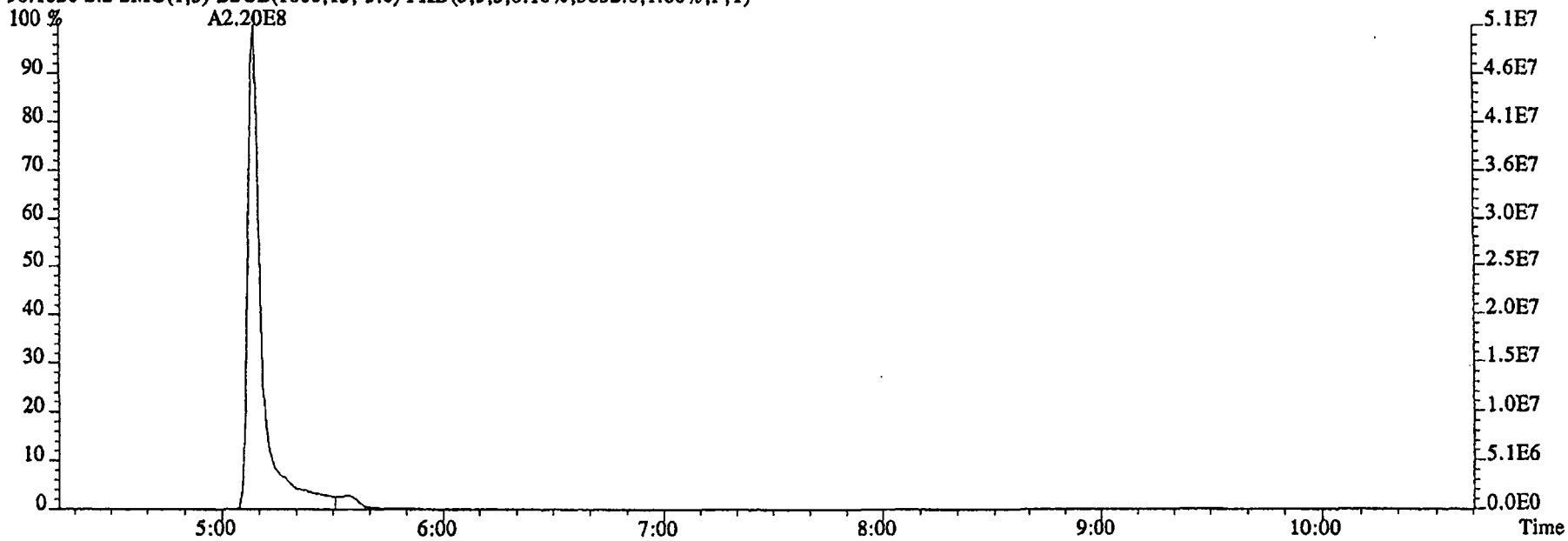
111.9936 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



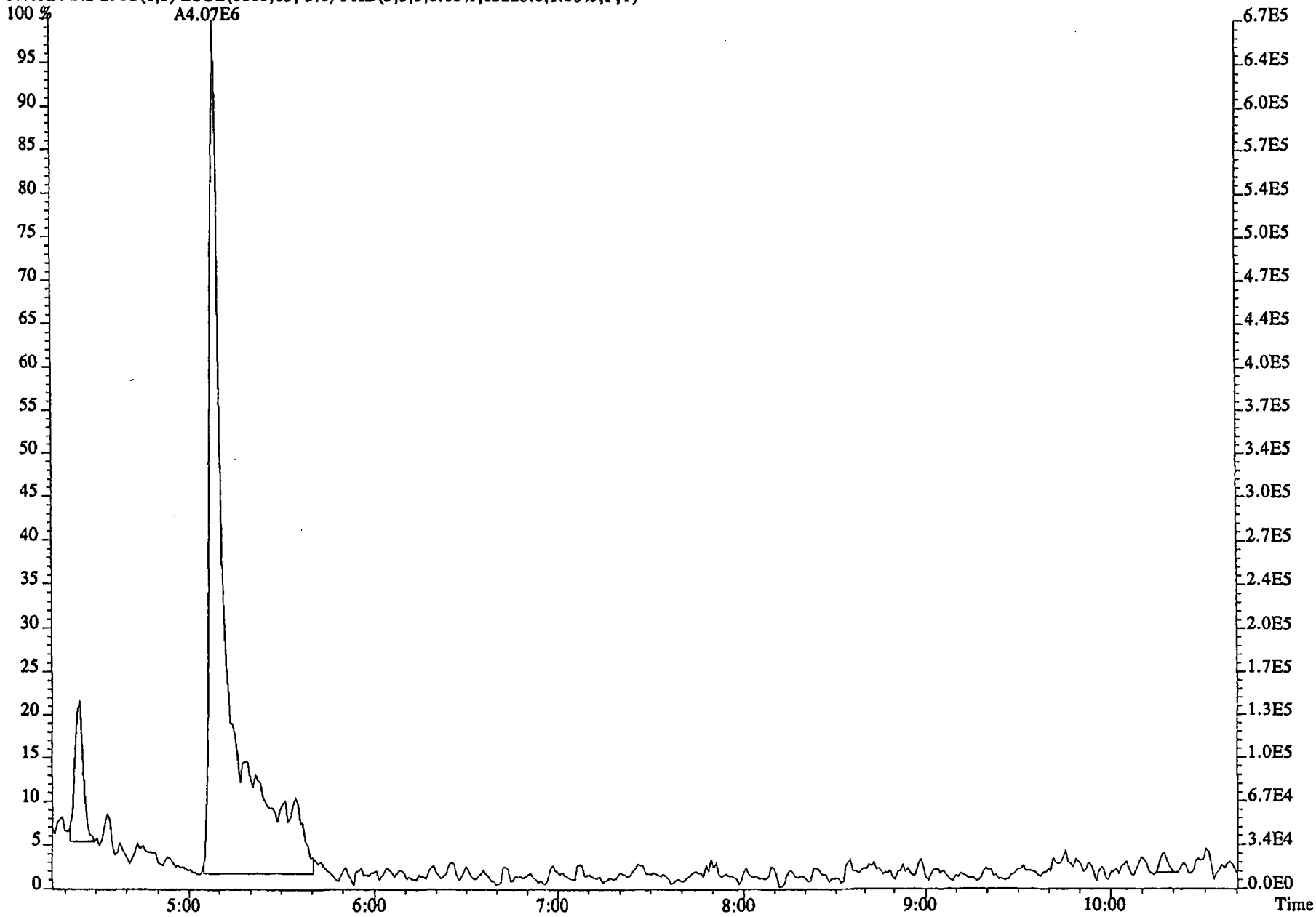
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15220.0,1.00%,F,T)



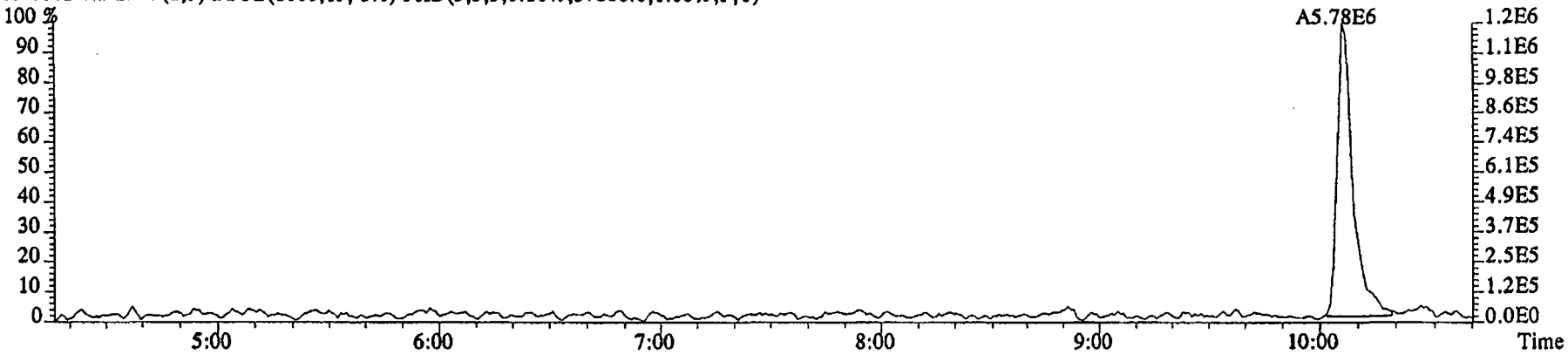
96.1026 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5832.0,1.00%,F,T)



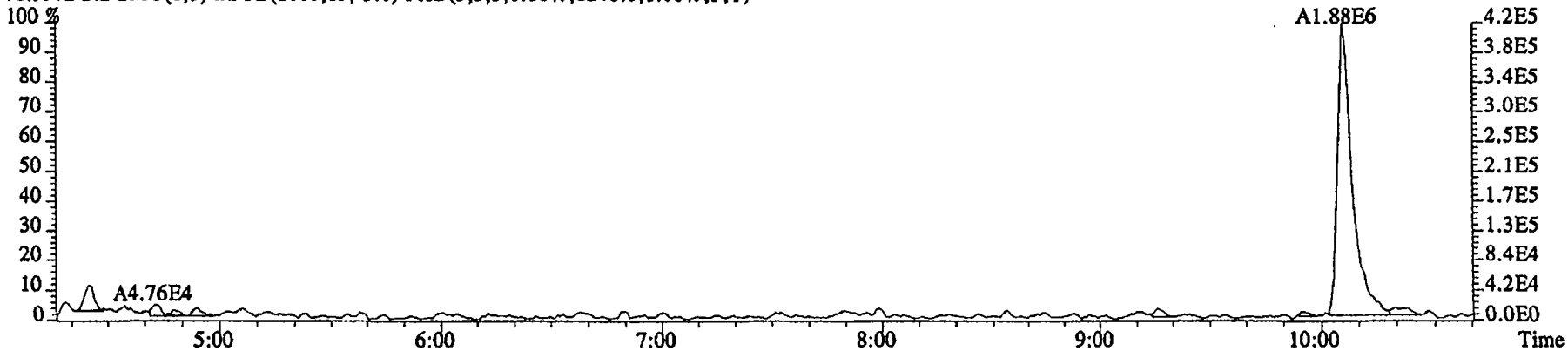
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Exp:NDMAVOA
88.0524 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15220.0,1.00%,F,T)



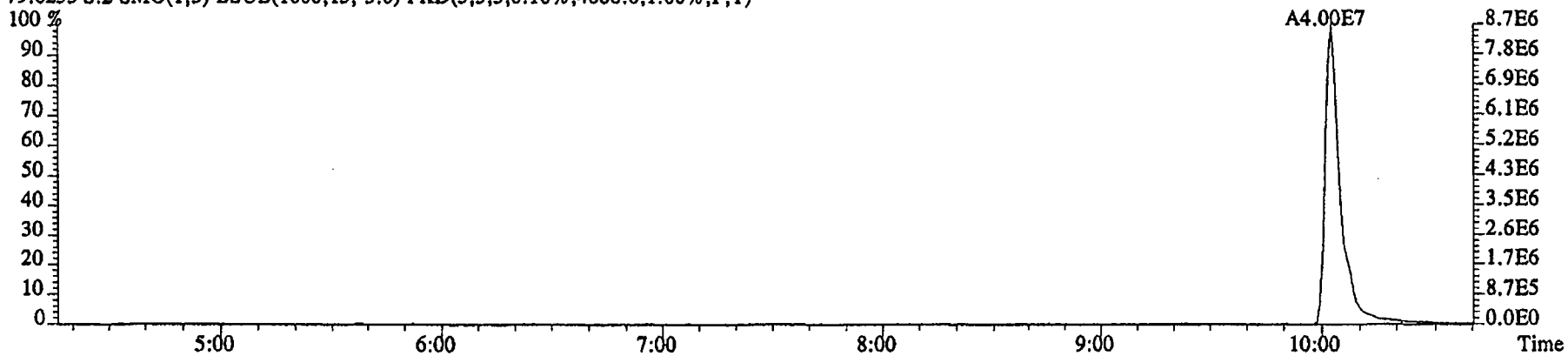
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
75.0002 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37808.0,1.00%,F,T)



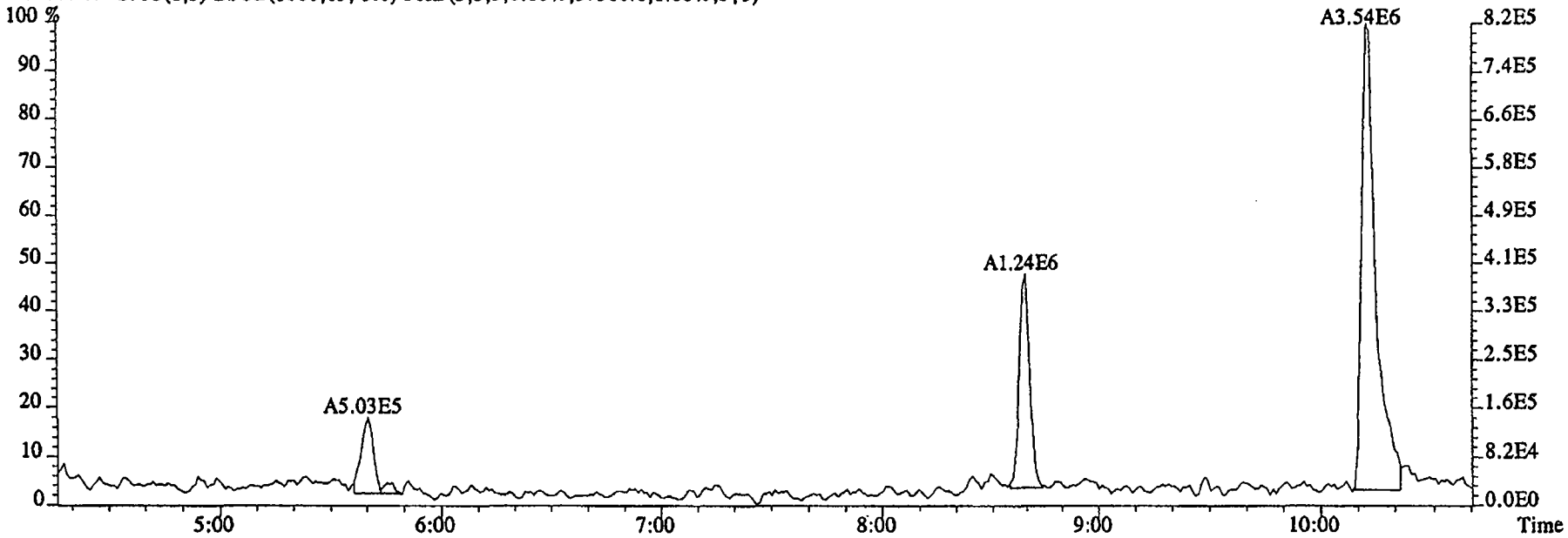
76.9972 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8248.0,1.00%,F,T)



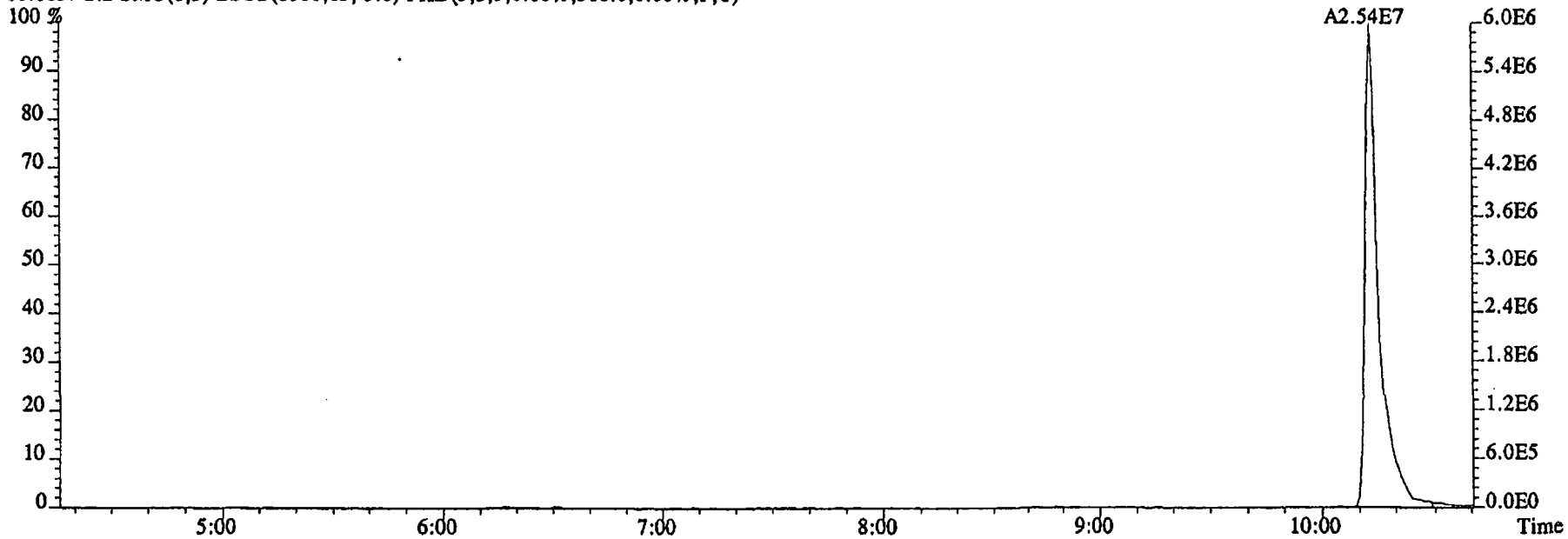
79.0253 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4668.0,1.00%,F,T)



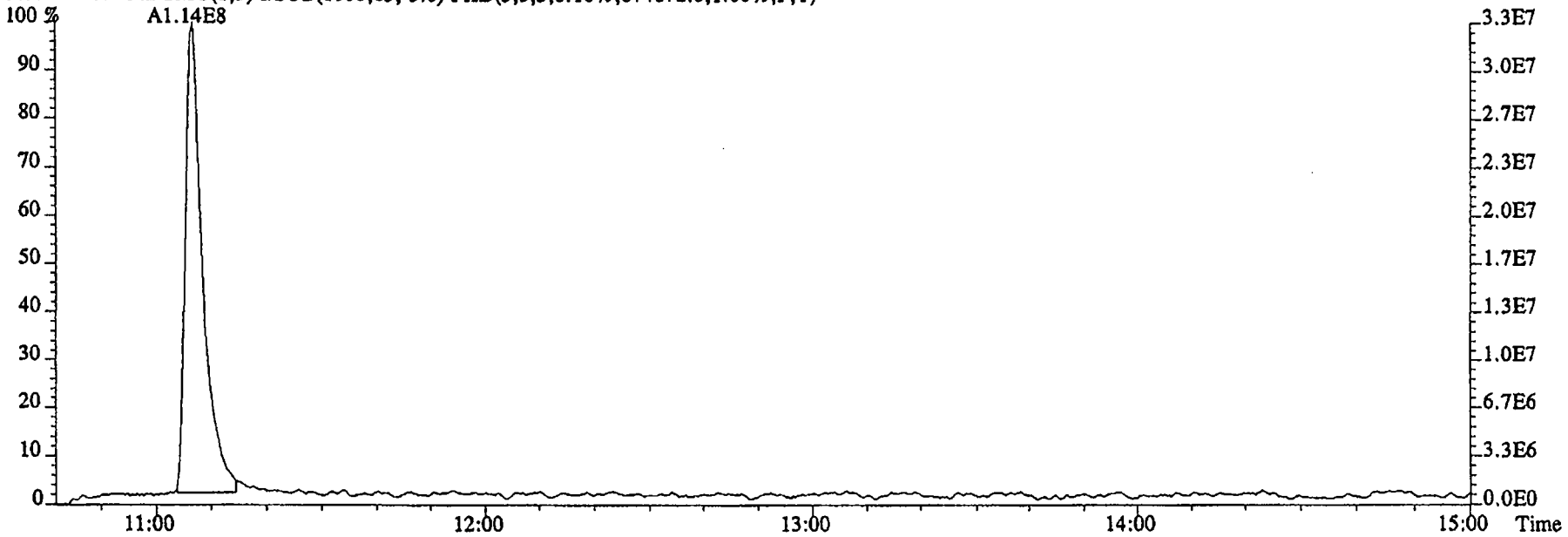
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
74.0480 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37516.0,1.00%,F,T)



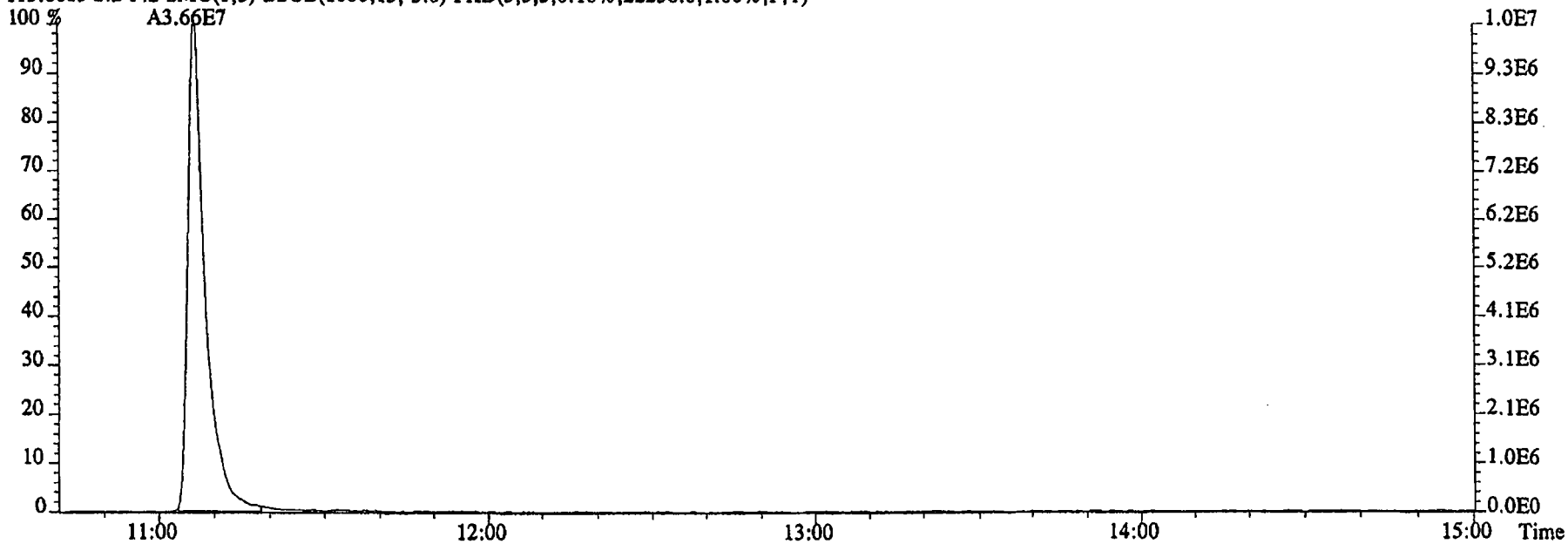
80.0857 S:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,516.0,1.00%,F,T)



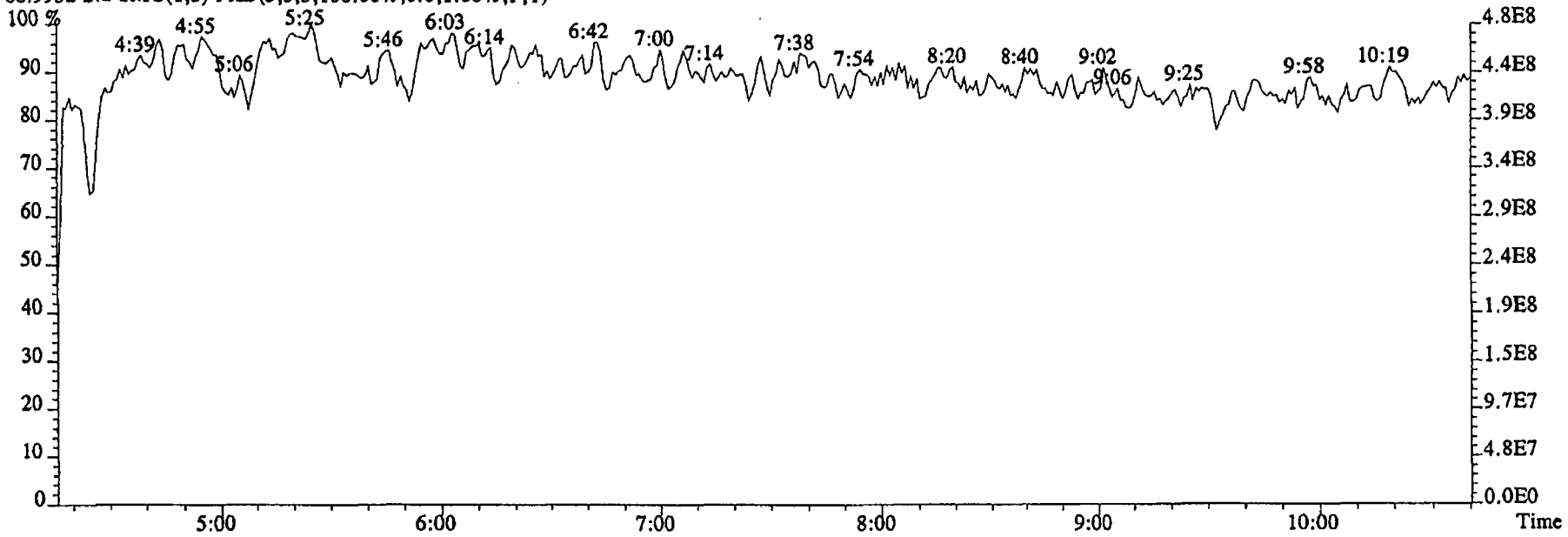
File:29DE045SP #1-603 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
113.0032 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,874672.0,1.00%,F,T)



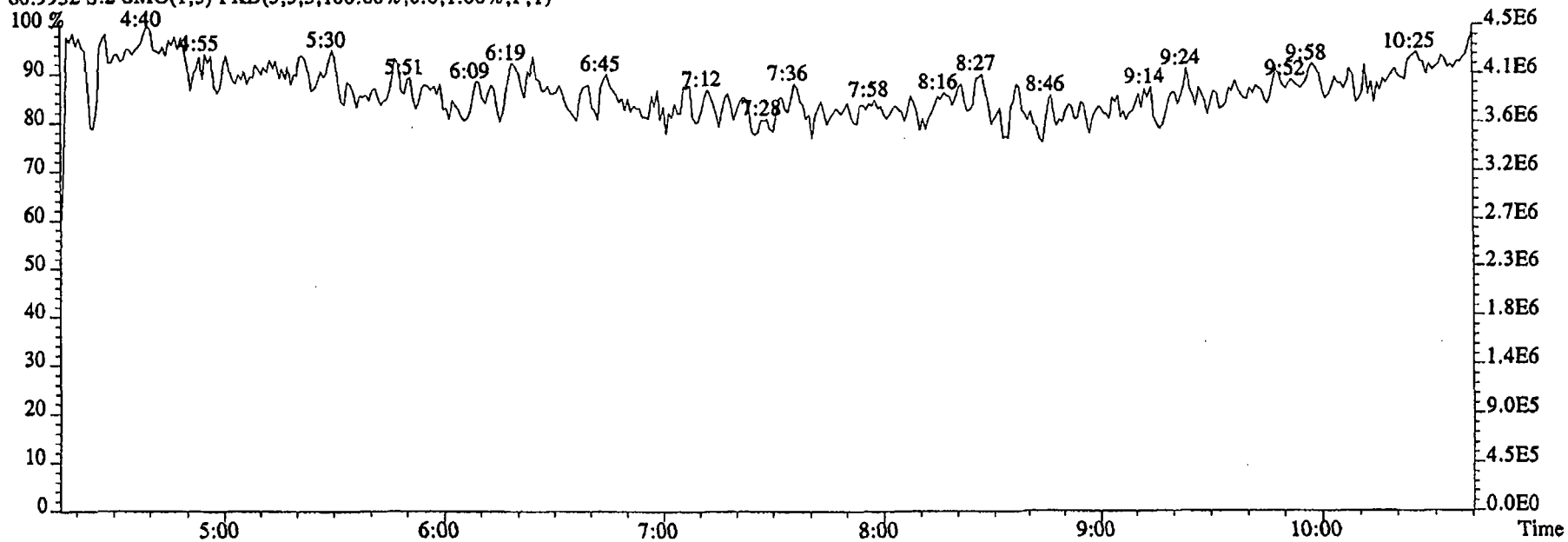
115.0003 S:2 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22256.0,1.00%,F,T)



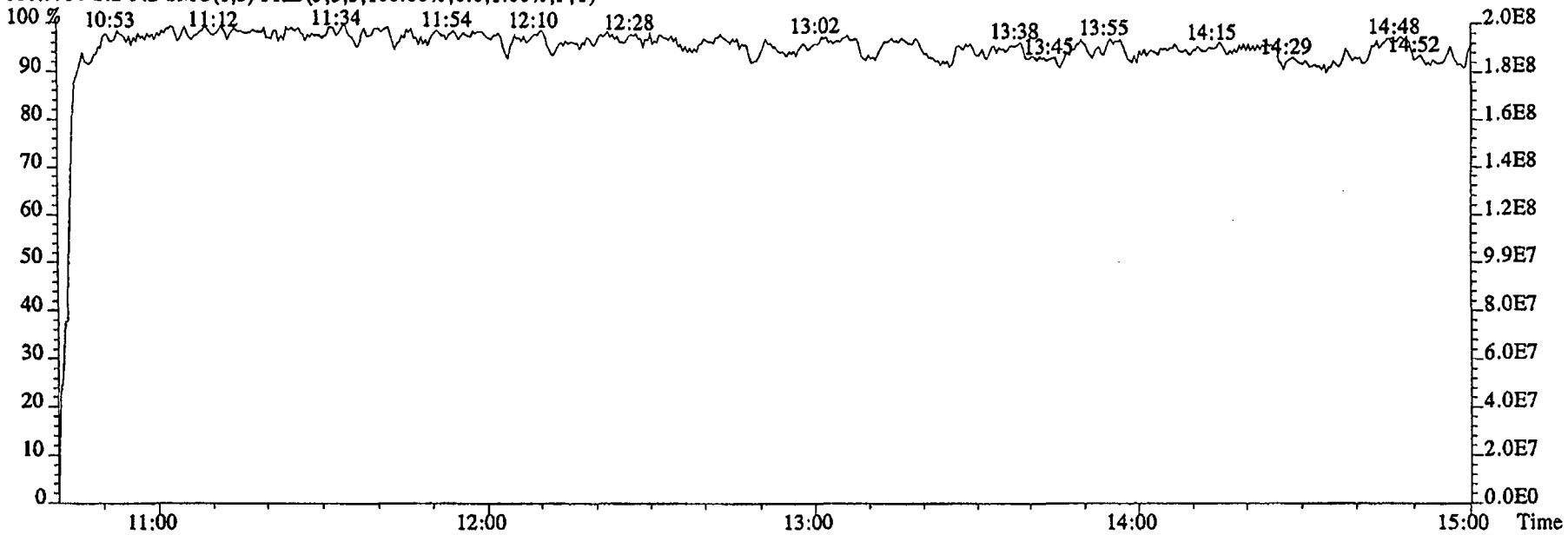
File:29DE045SP #1-474 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
68.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



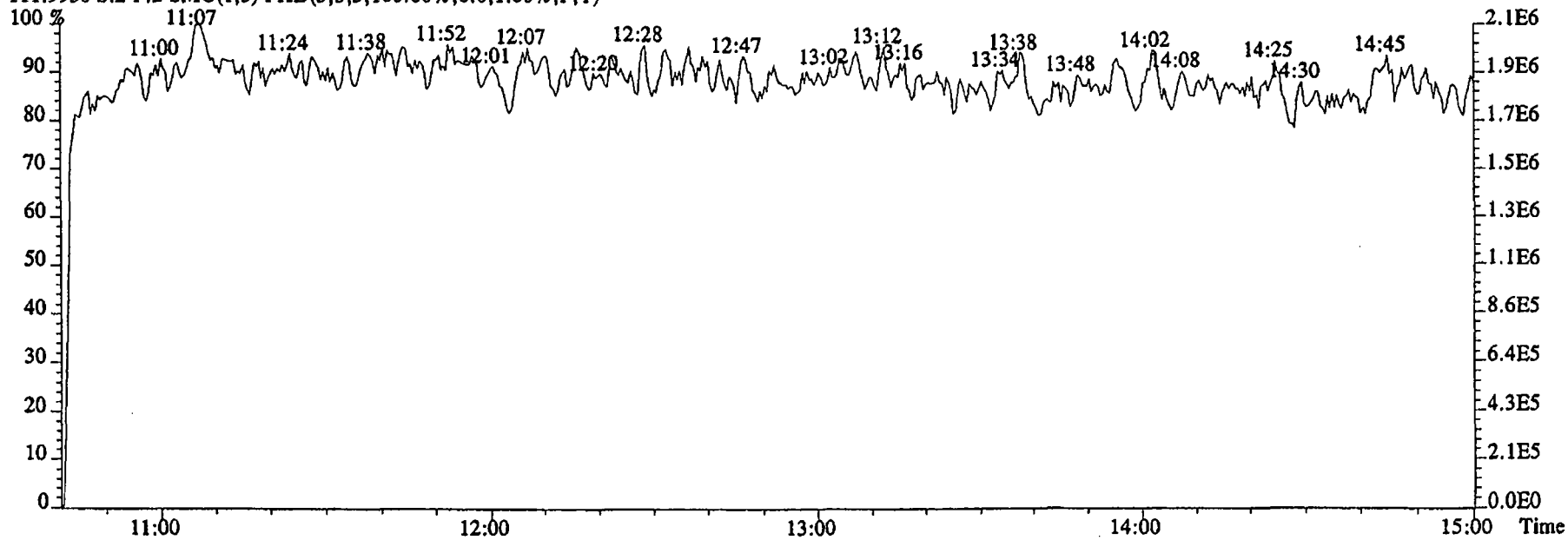
80.9952 S:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



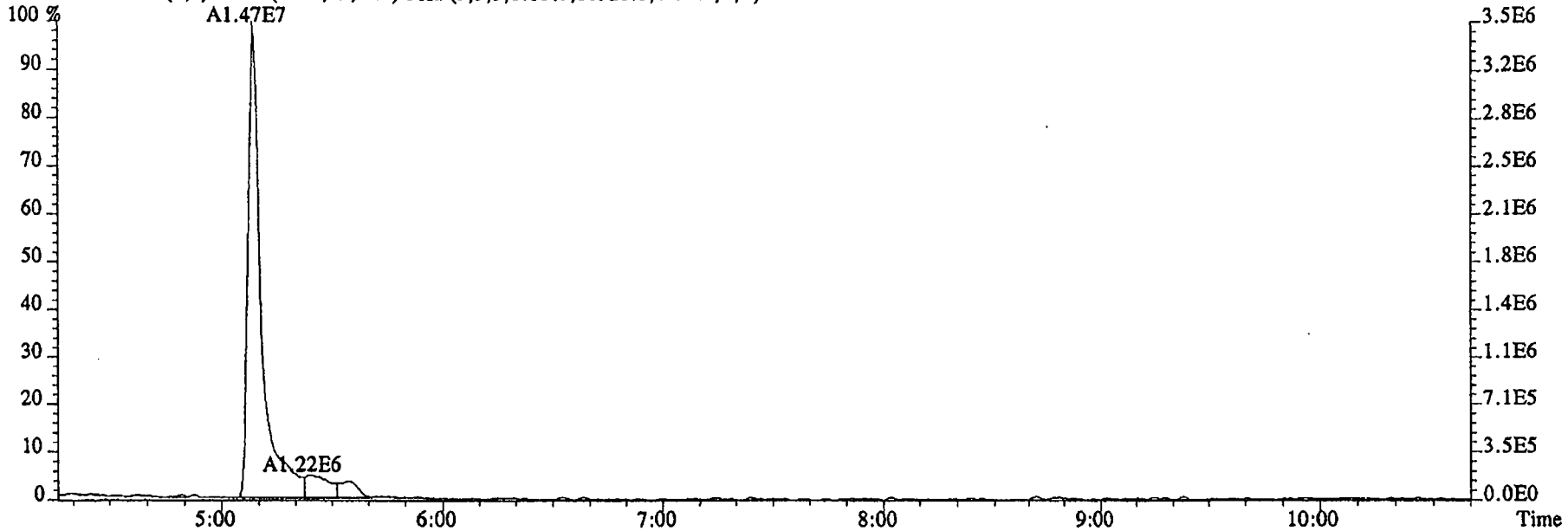
File:29DE045SP #1-603 Acq:29-DEC-2004 13:51:41 GC EI+ Voltage SIR 70SE
Sample#2 Text:ST1229A :CS2 2350-68B Exp:NDMAVOA
118.9920 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



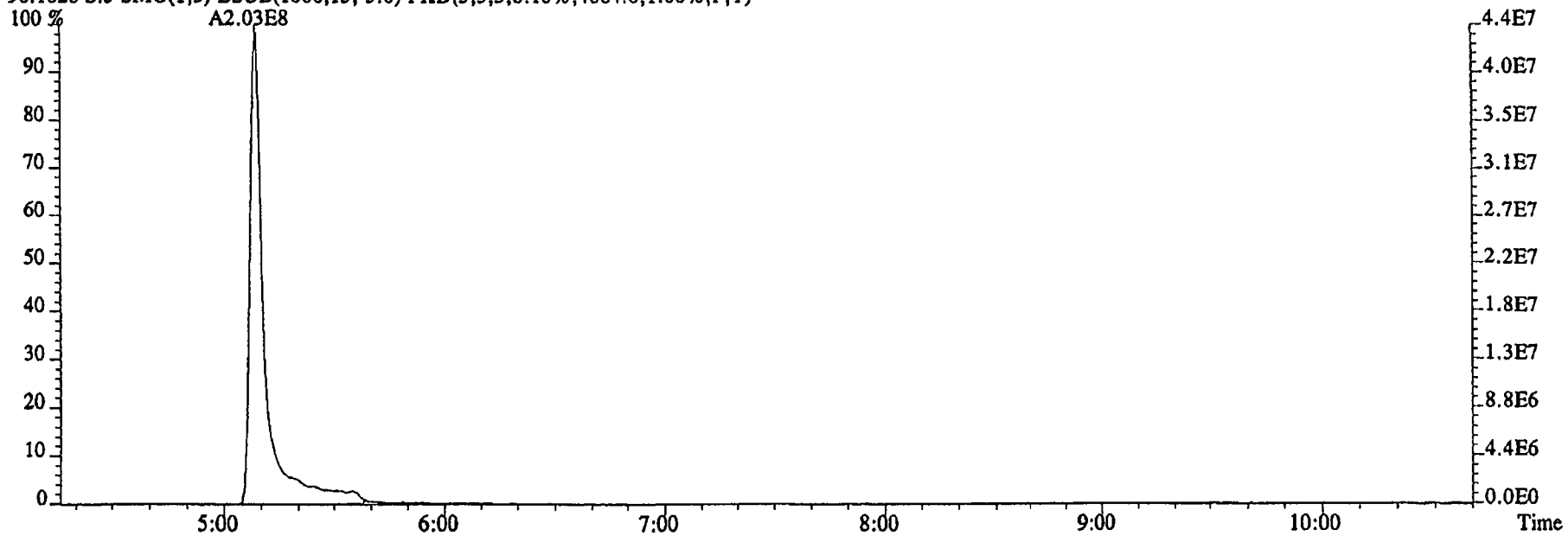
111.9936 S:2 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



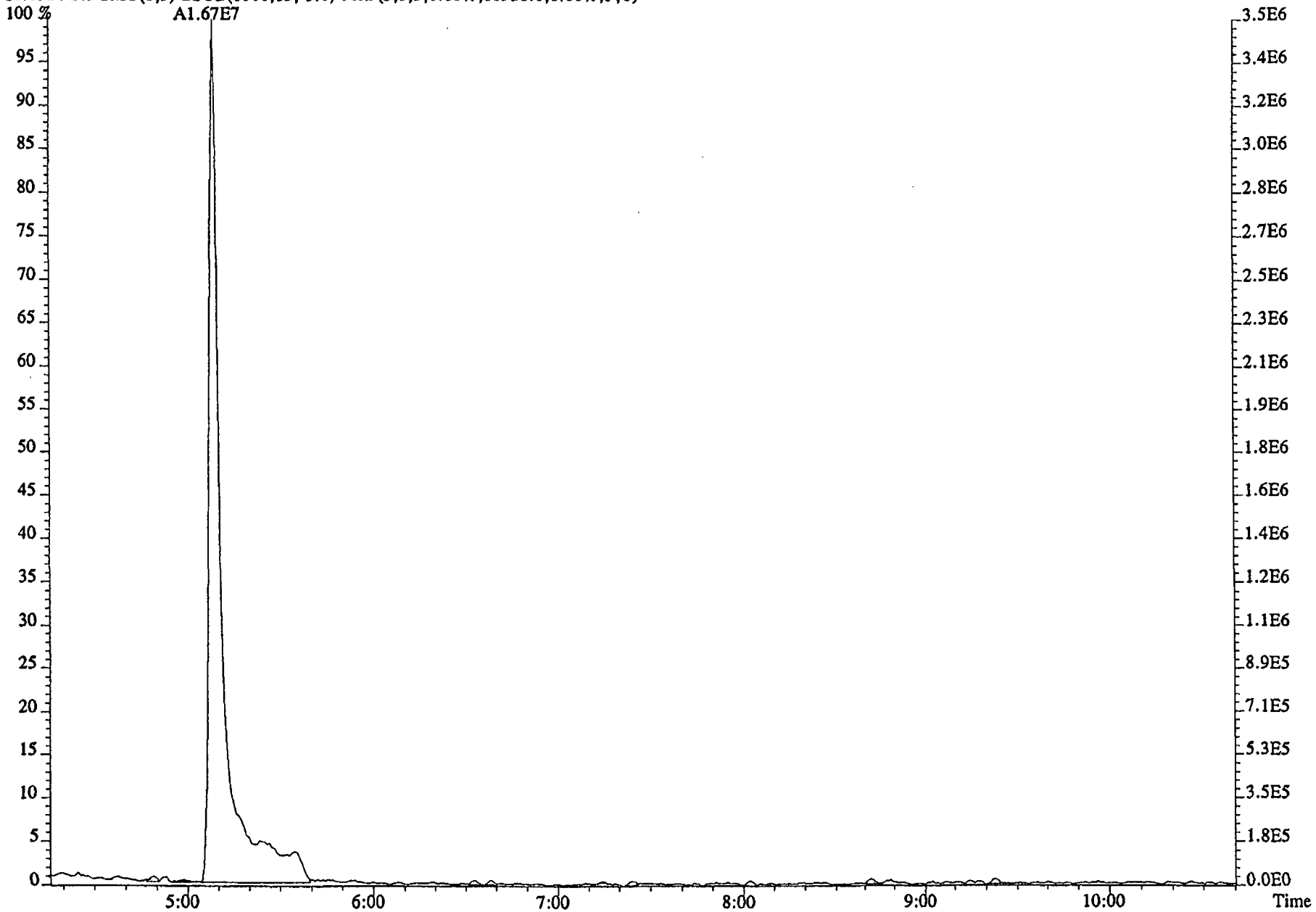
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



96.1026 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4064.0,1.00%,F,T)



File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Exp:NDMAVOA
88.0524 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10928.0,1.00%,F,T)



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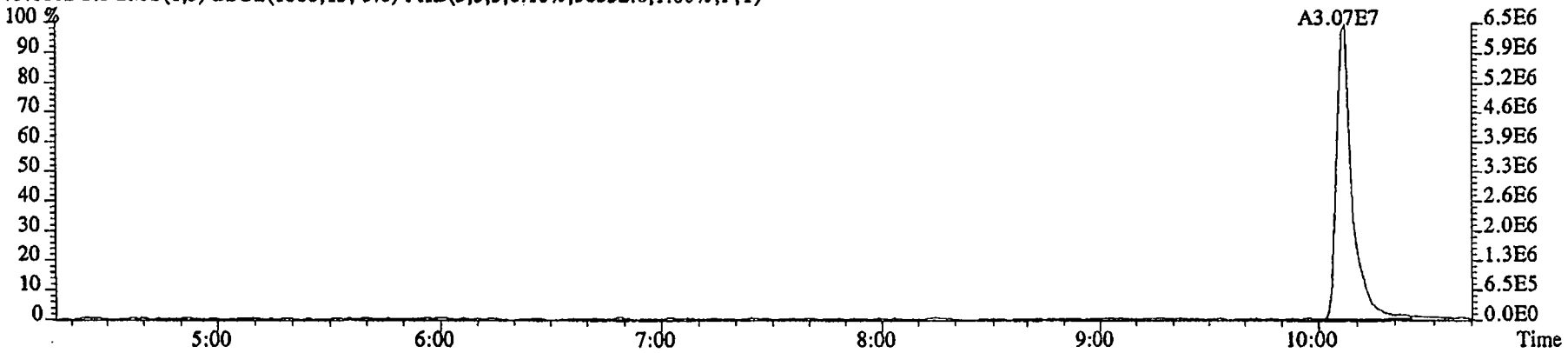
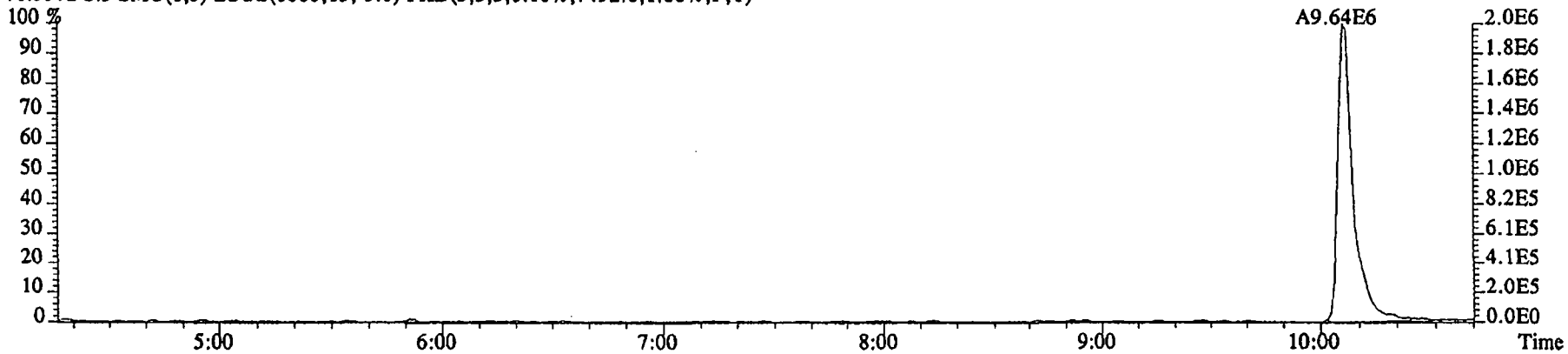
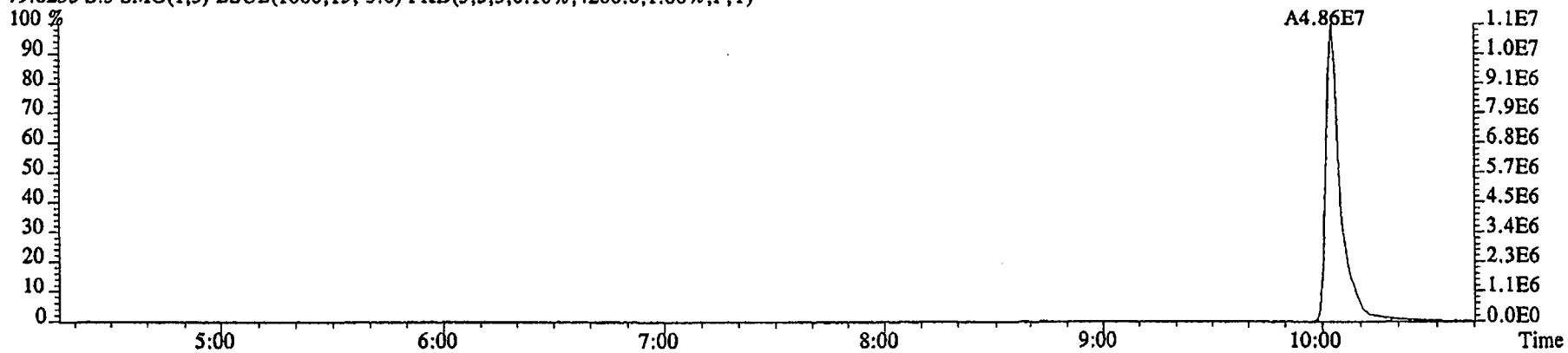
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
75.0002 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36352.0,1.00%,F,T)



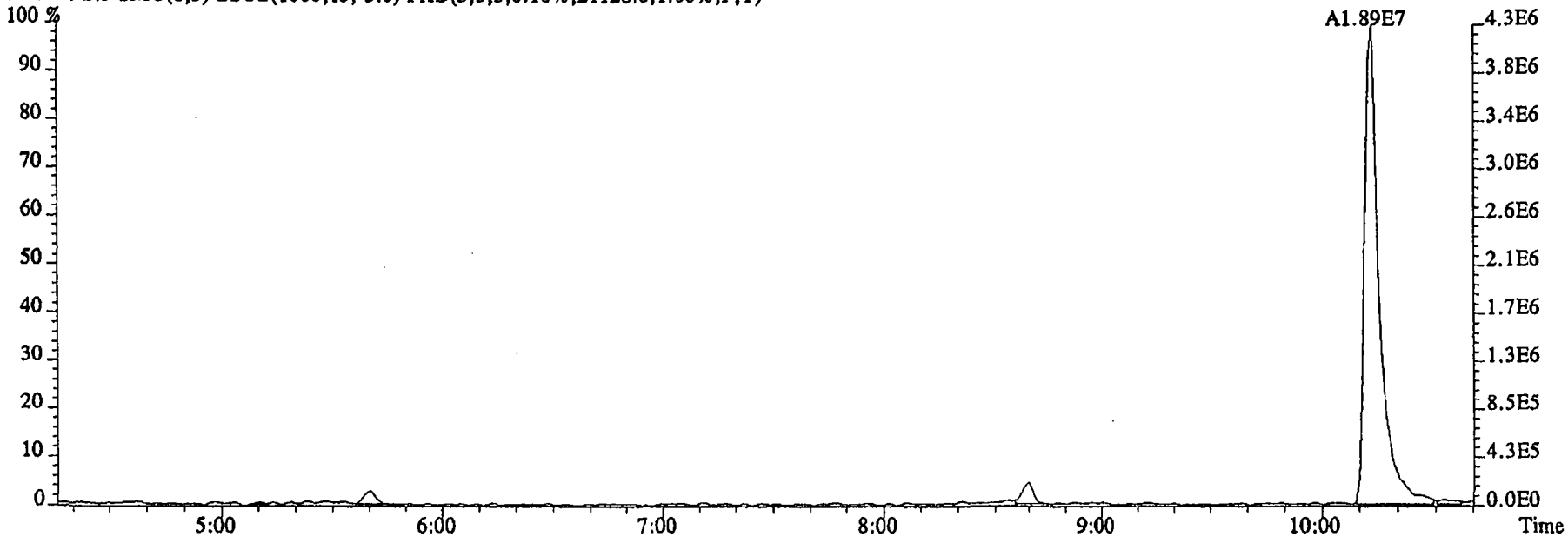
76.9972 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,7492.0,1.00%,F,T)



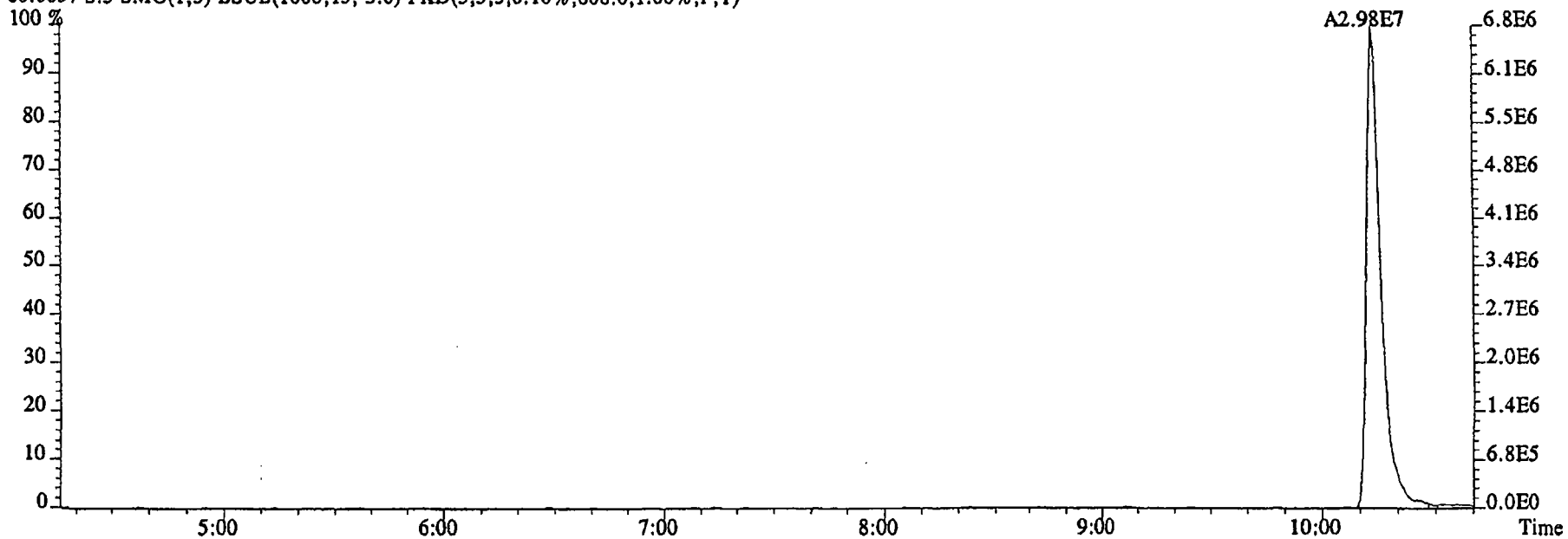
79.0253 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,4200.0,1.00%,F,T)



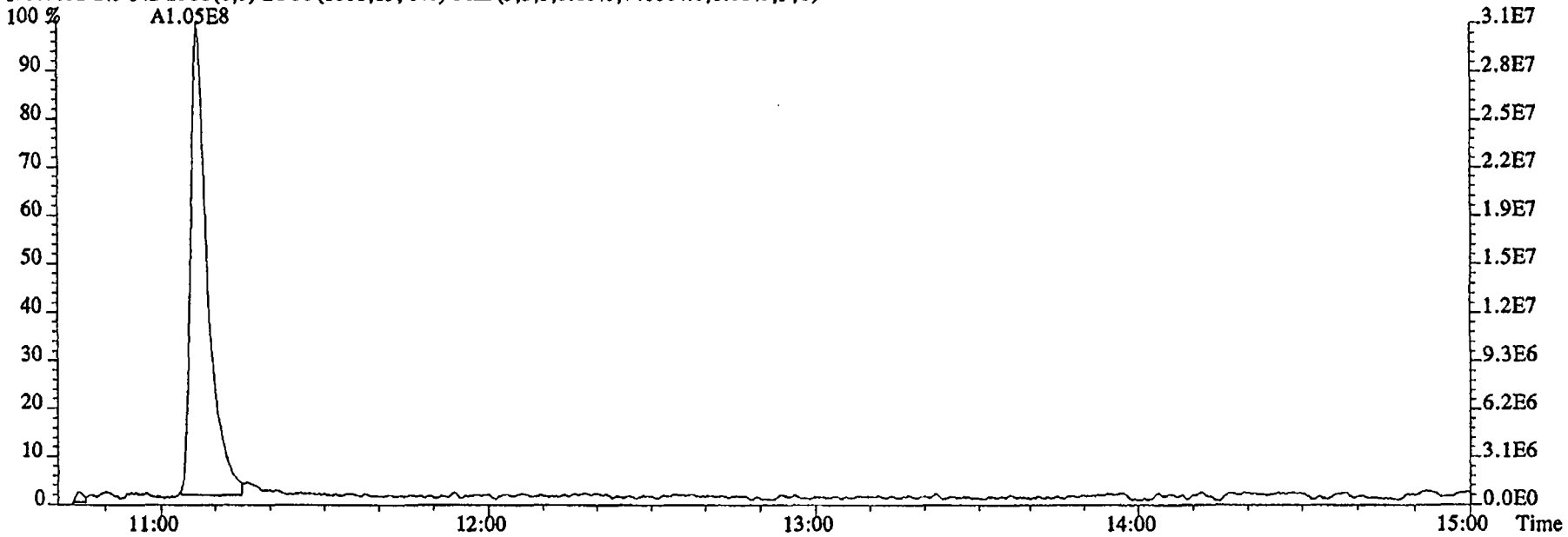
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
74.0480 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,21128.0,1.00%,F,T)



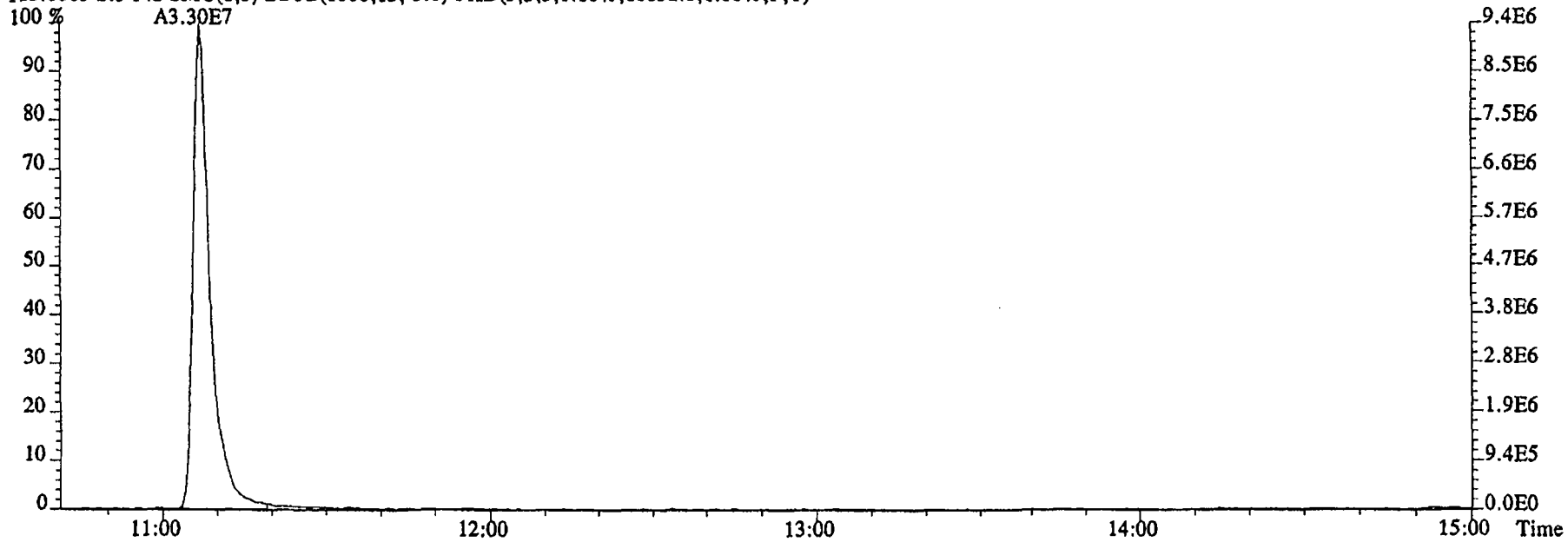
80.0857 S:3 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,608.0,1.00%,F,T)



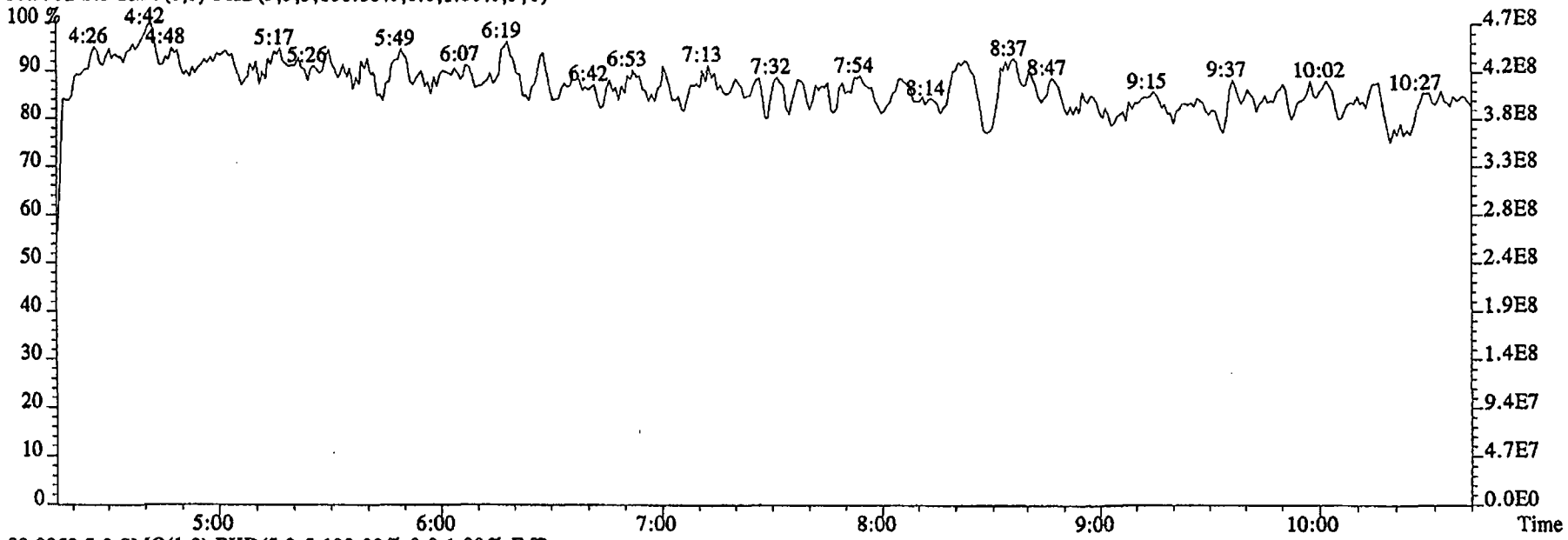
File:29DE045SP #1-603 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
113.0032 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,740084.0,1.00%,F,T)



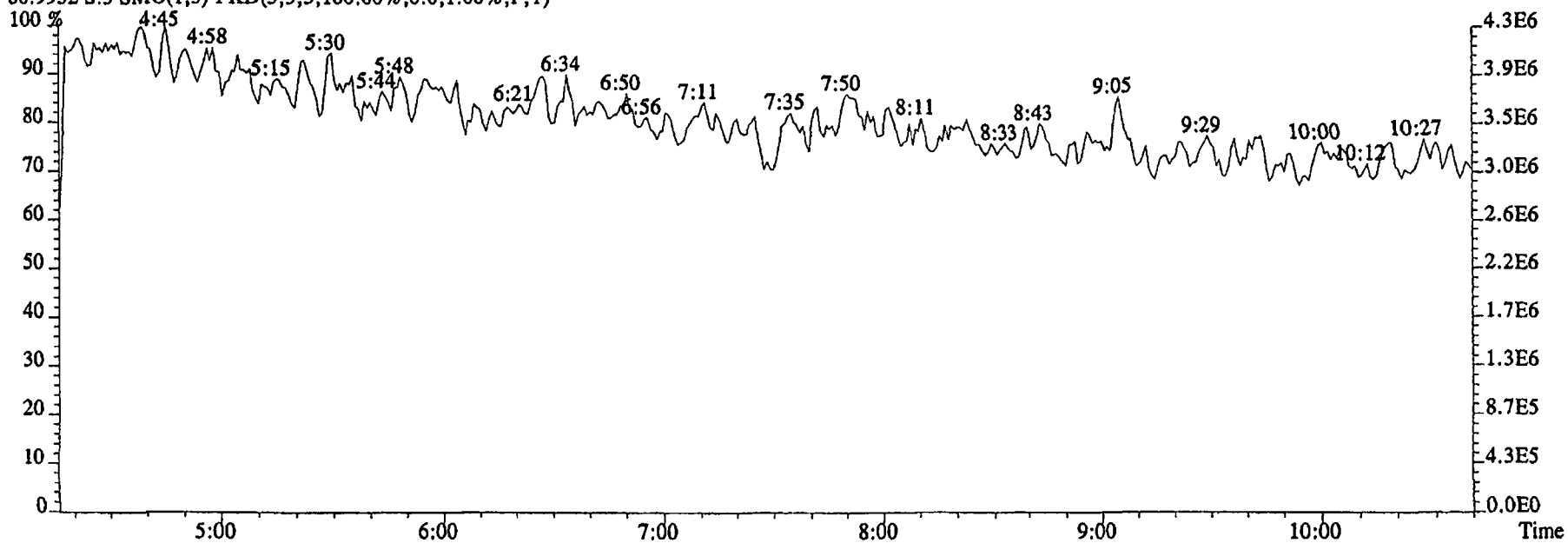
115.0003 S:3 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,16632.0,1.00%,F,T)



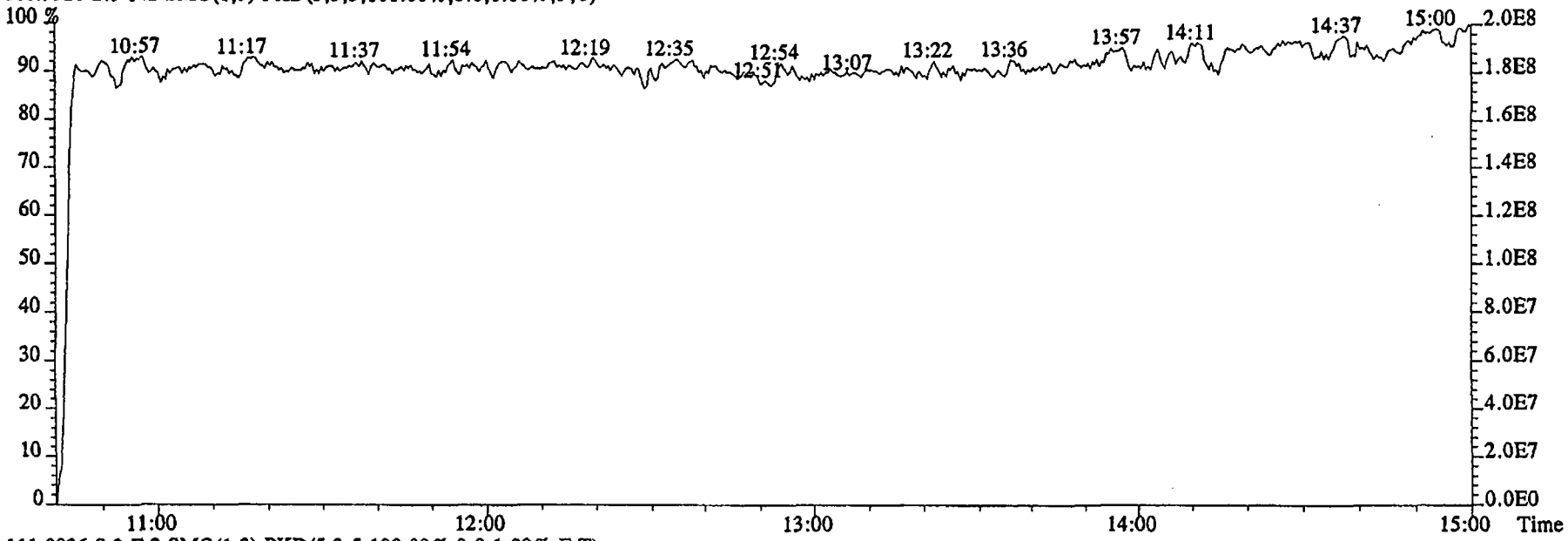
File:29DE045SP #1-474 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
68.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



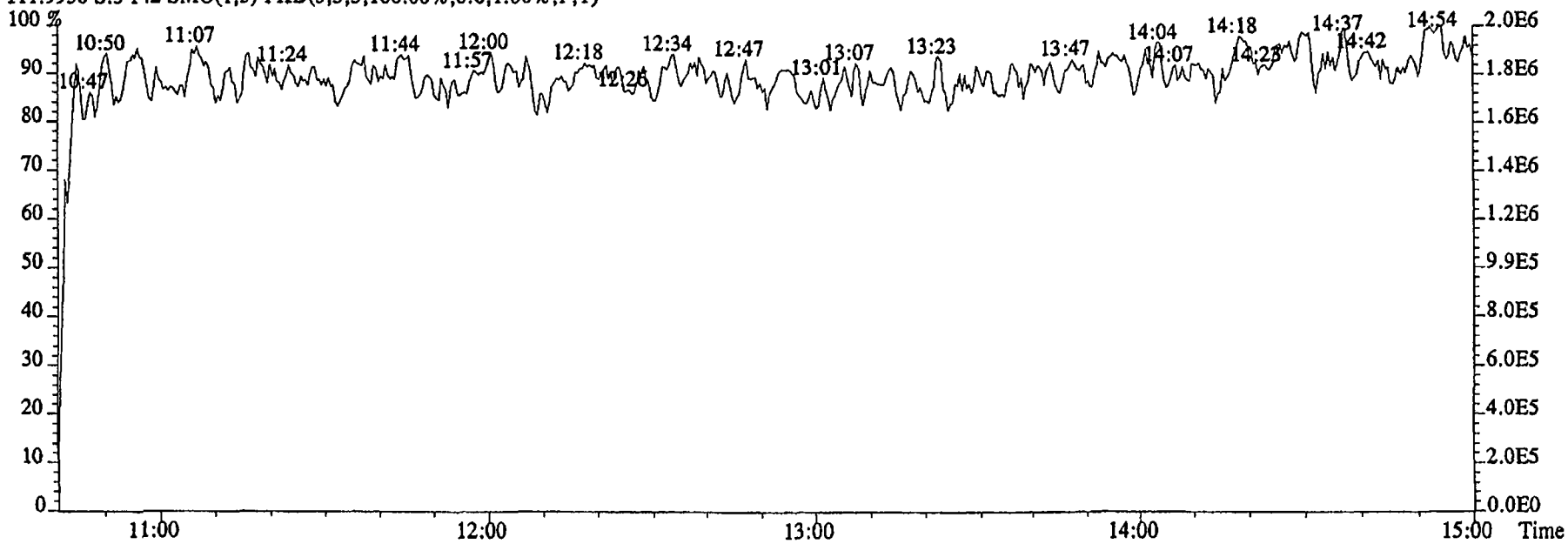
80.9952 S:3 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



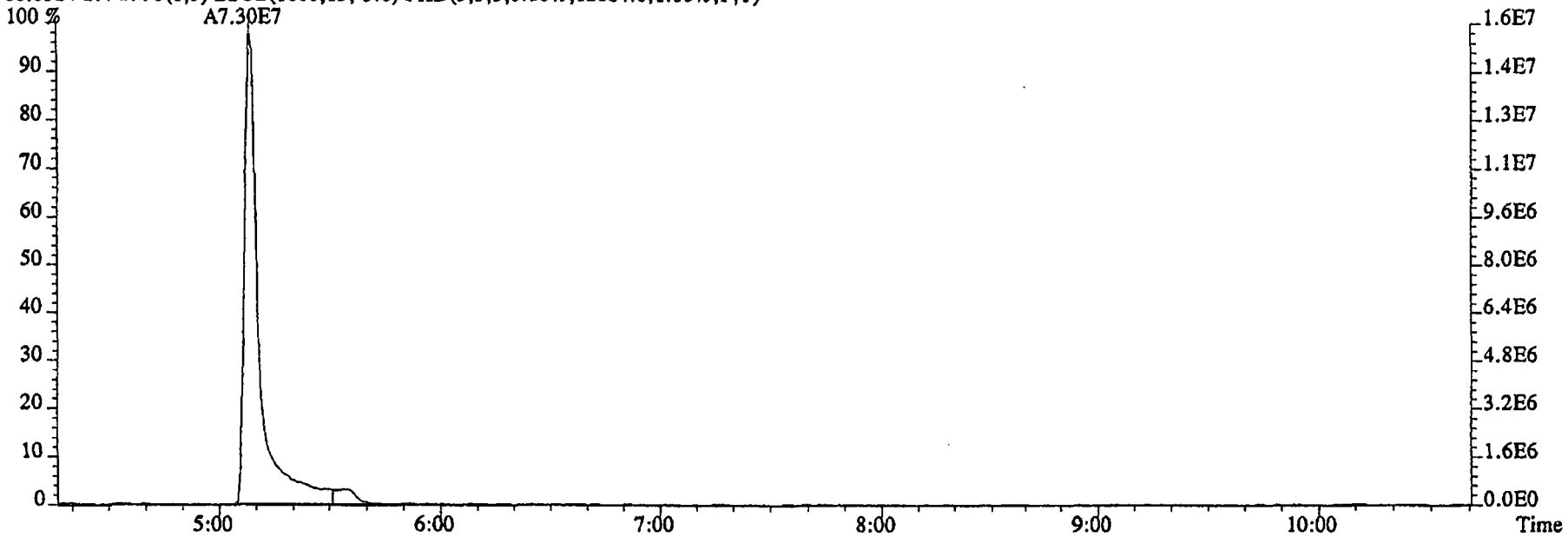
File:29DE045SP #1-603 Acq:29-DEC-2004 14:12:03 GC EI+ Voltage SIR 70SE
Sample#3 Text:ST1229B :CS3 2350-68C Exp:NDMAVOA
118.9920 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



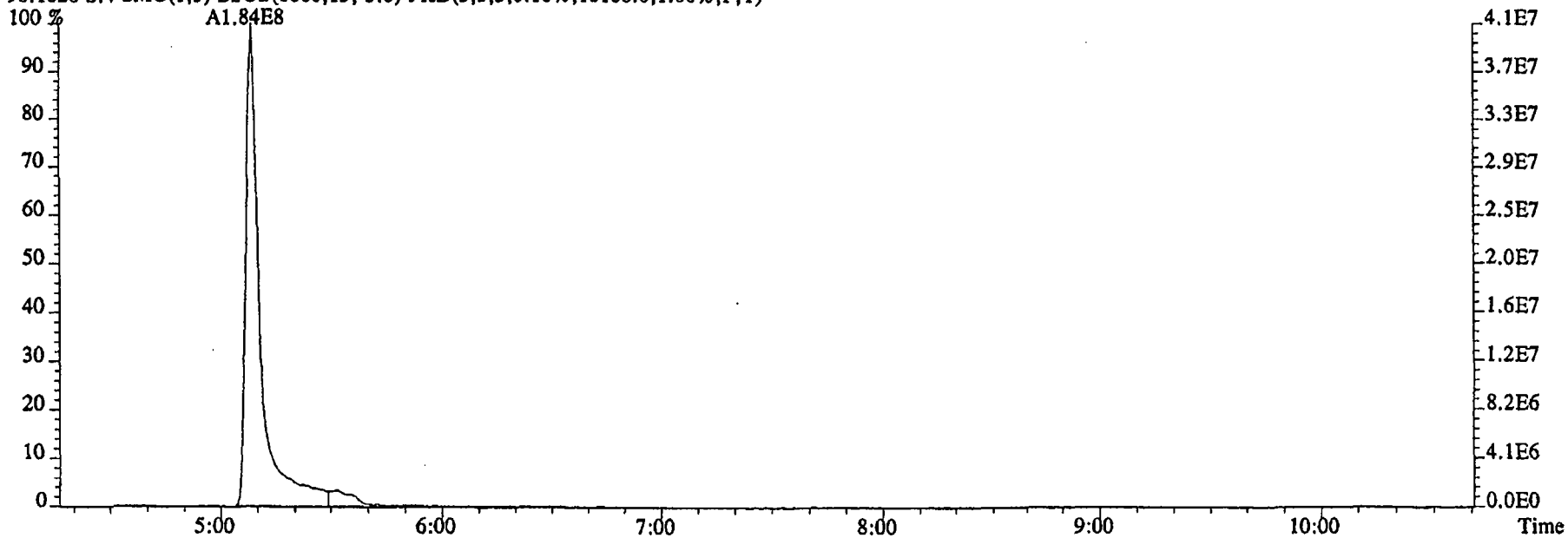
111.9936 S:3 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
88.0524 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,12884.0,1.00%,F,T)

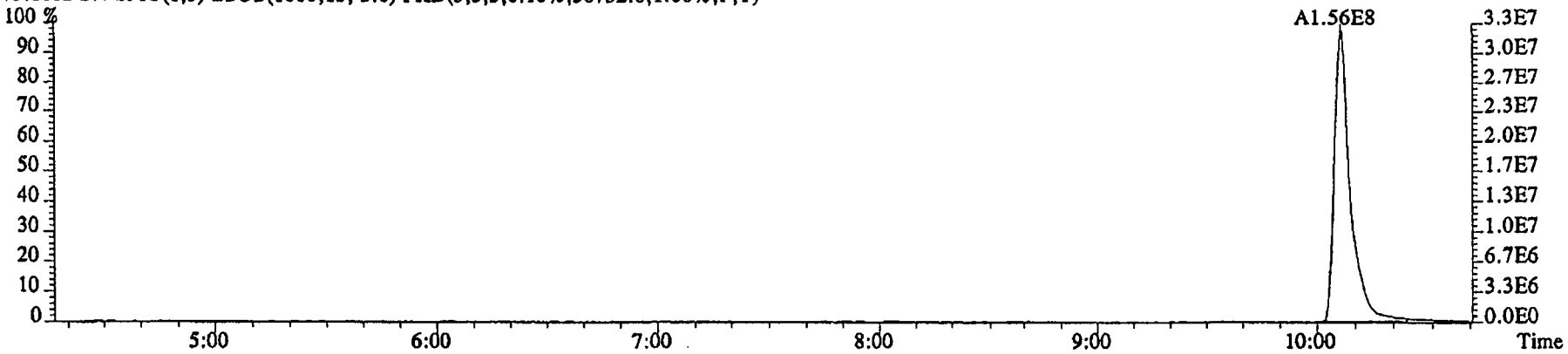


96.1026 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10188.0,1.00%,F,T)

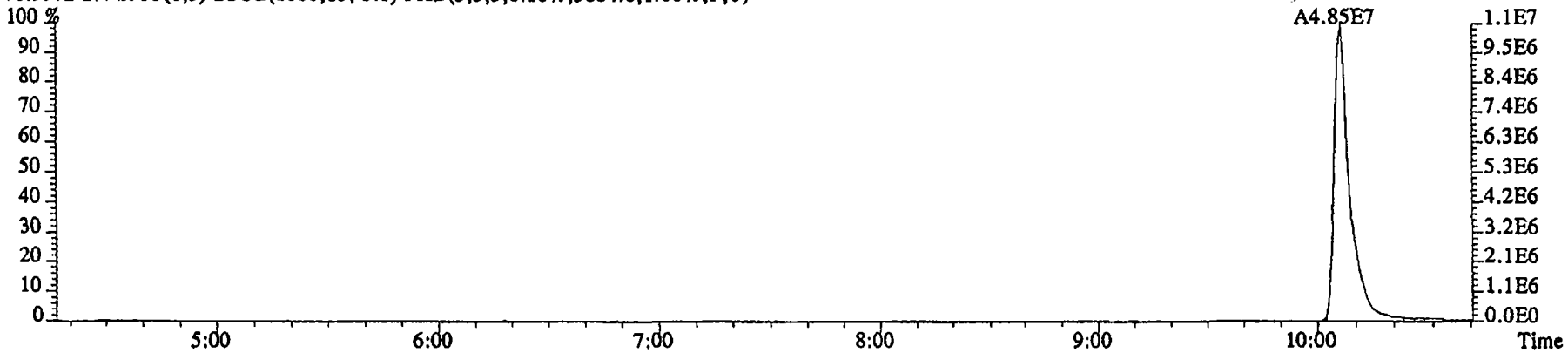


File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA

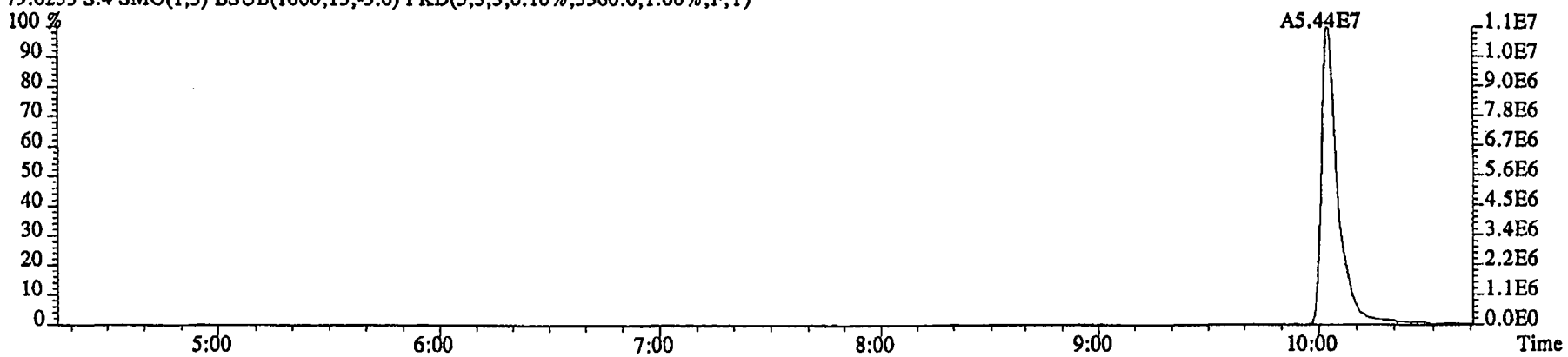
75.0002 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,36752.0,1.00%,F,T)



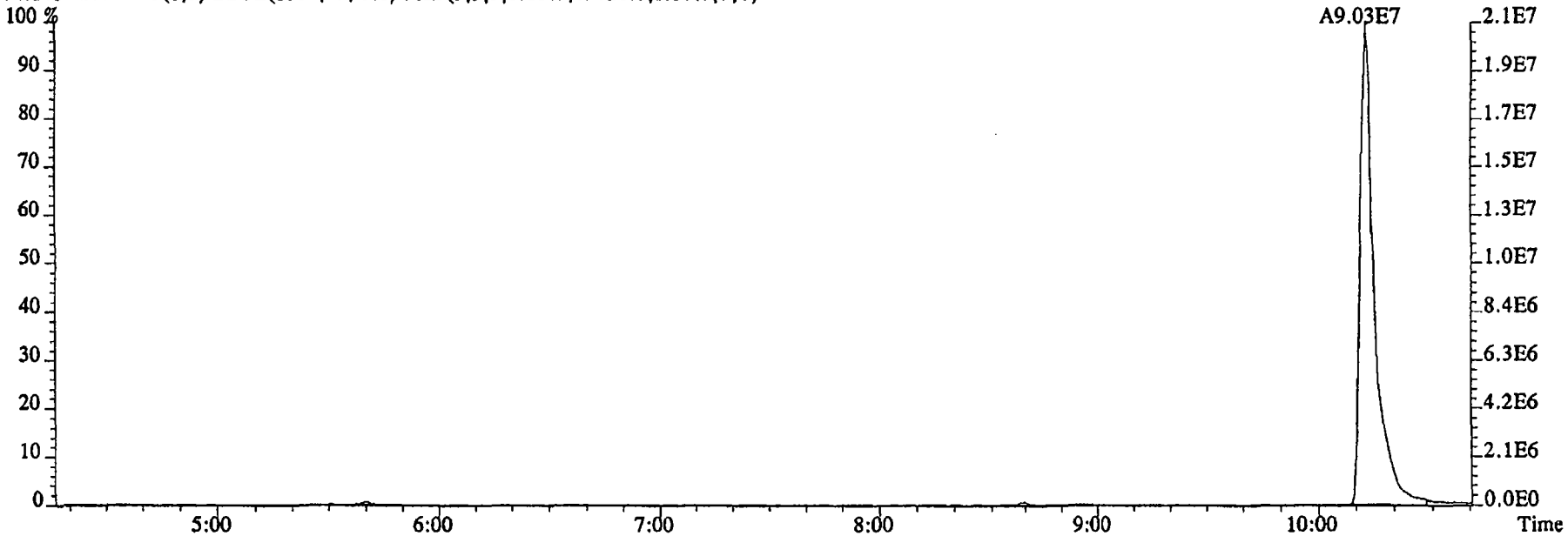
76.9972 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,5864.0,1.00%,F,T)



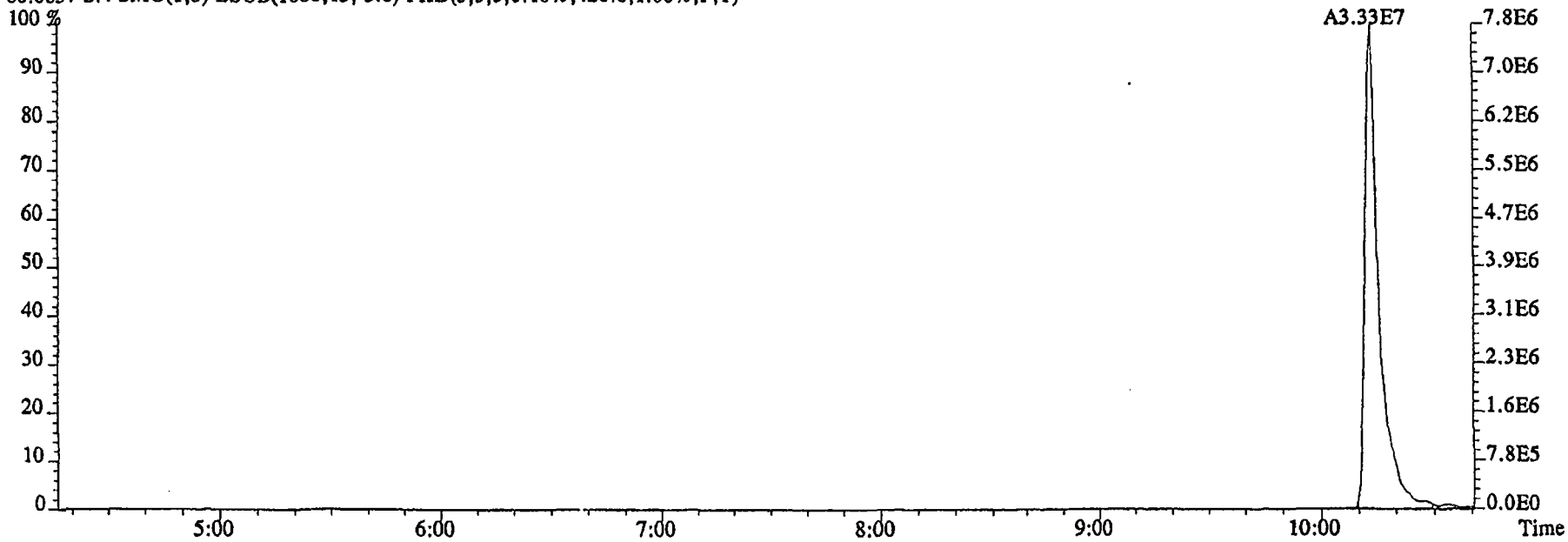
79.0253 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,3360.0,1.00%,F,T)



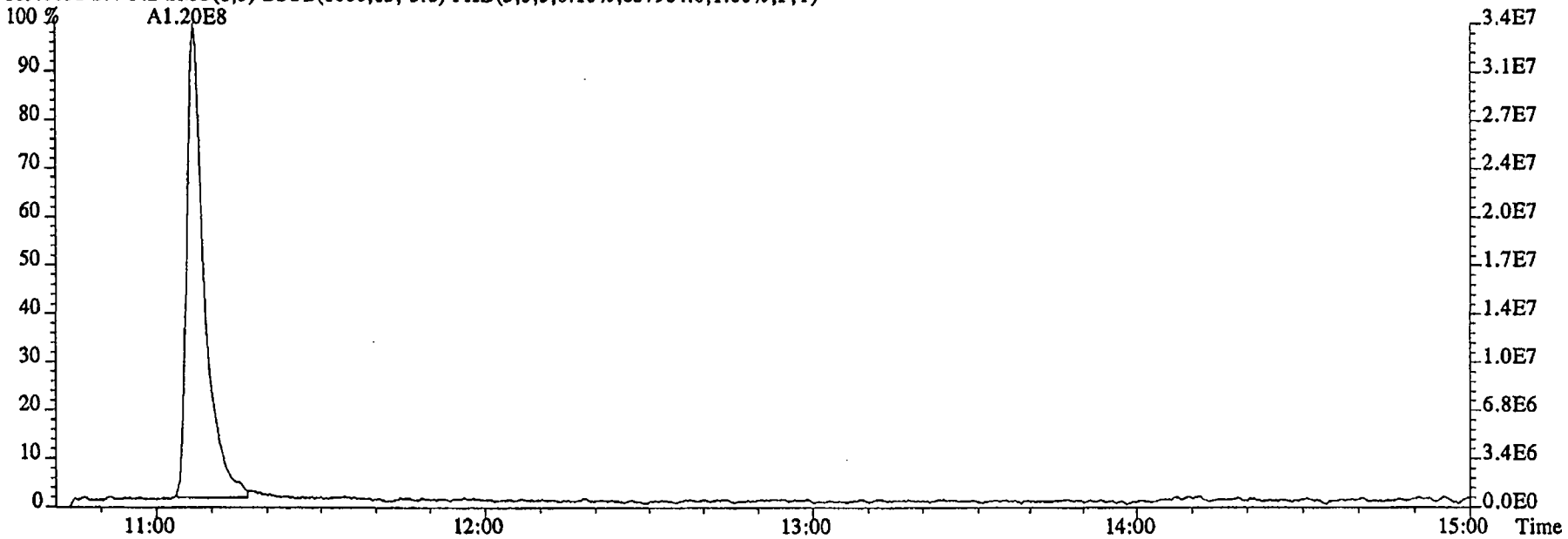
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
74.0480 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,19628.0,1.00%,F,T)



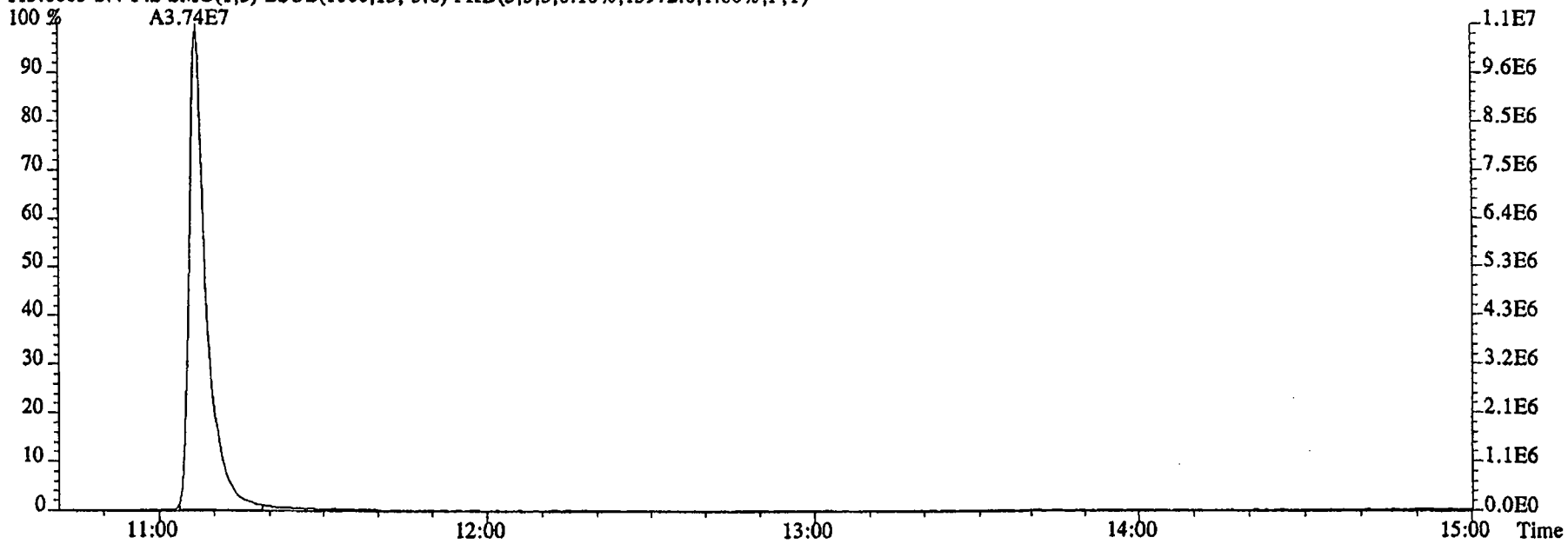
80.0857 S:4 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,420.0,1.00%,F,T)



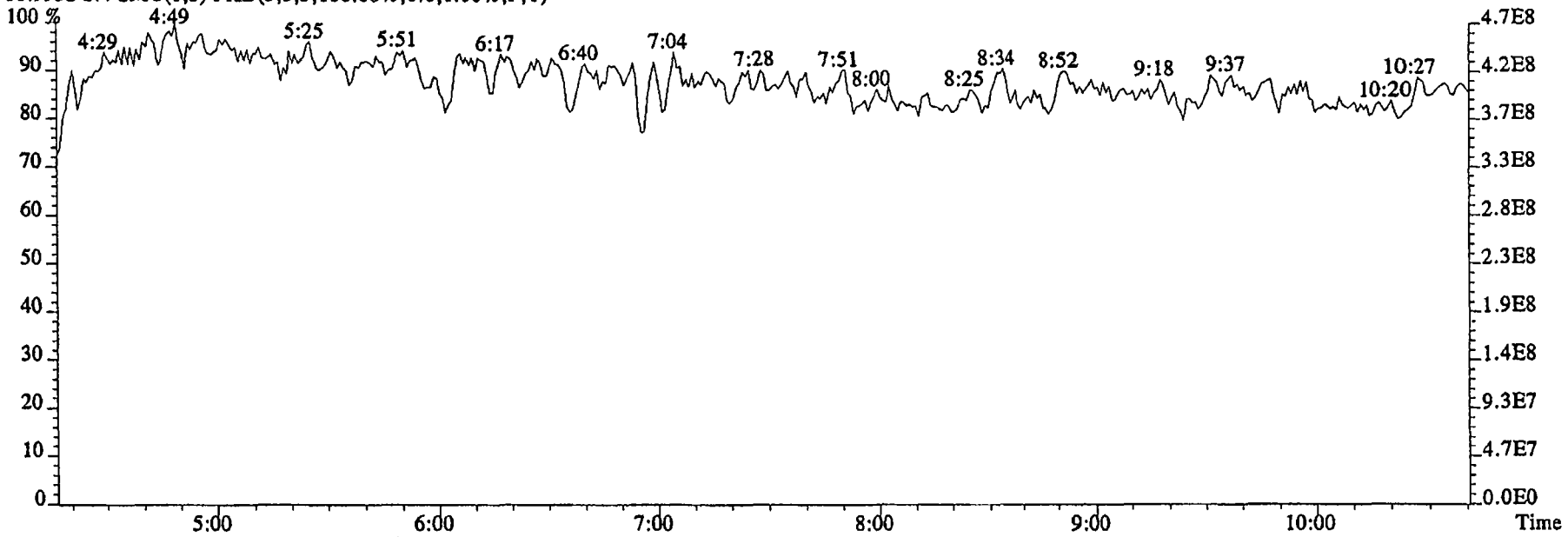
File:29DE045SP #1-602 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
113.0032 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,637964.0,1.00%,F,T)



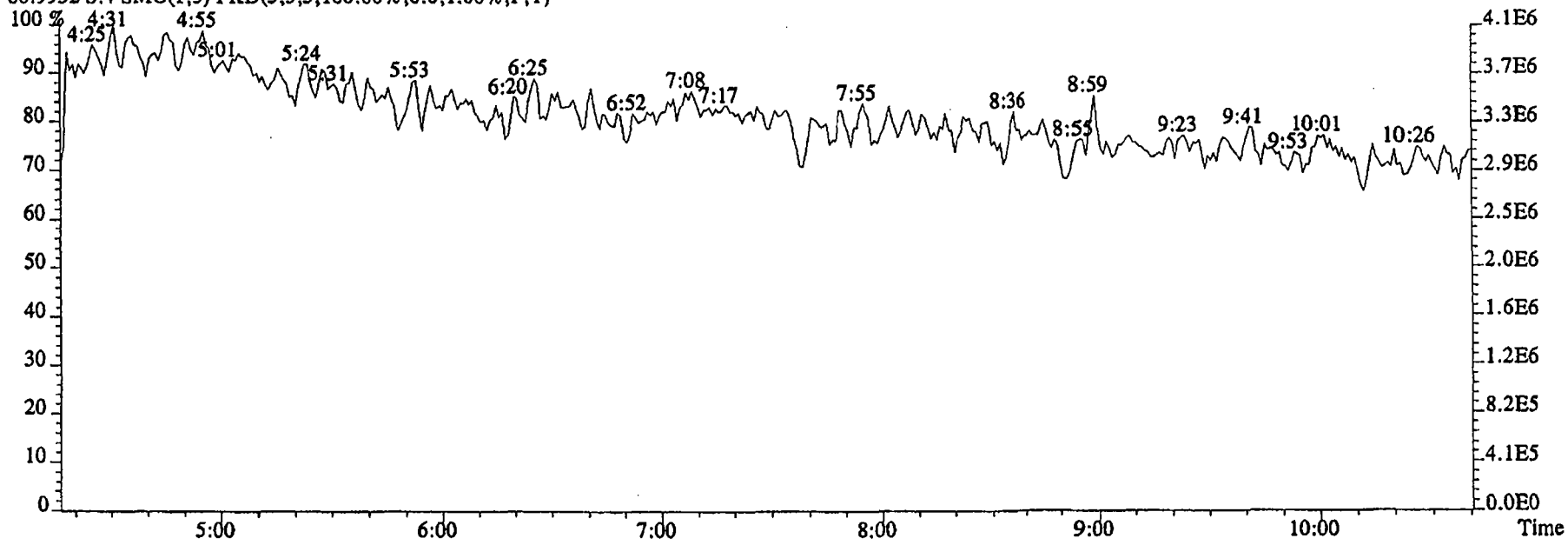
115.0003 S:4 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,15972.0,1.00%,F,T)



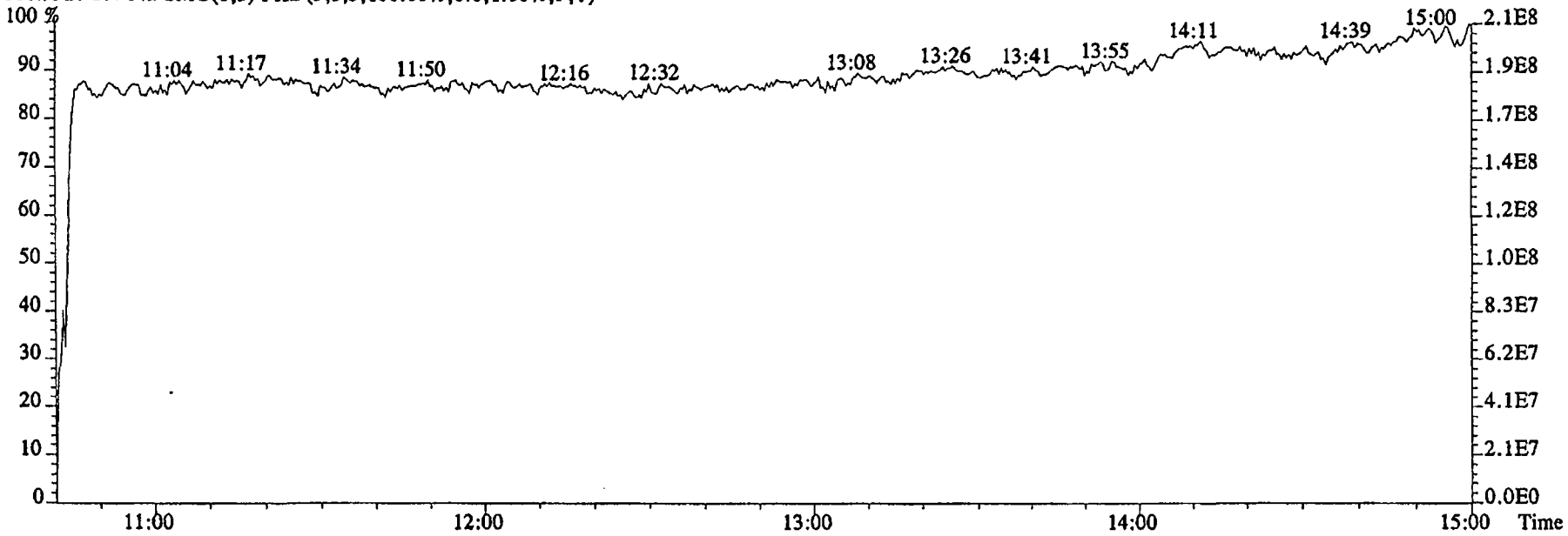
File:29DE045SP #1-474 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
68.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



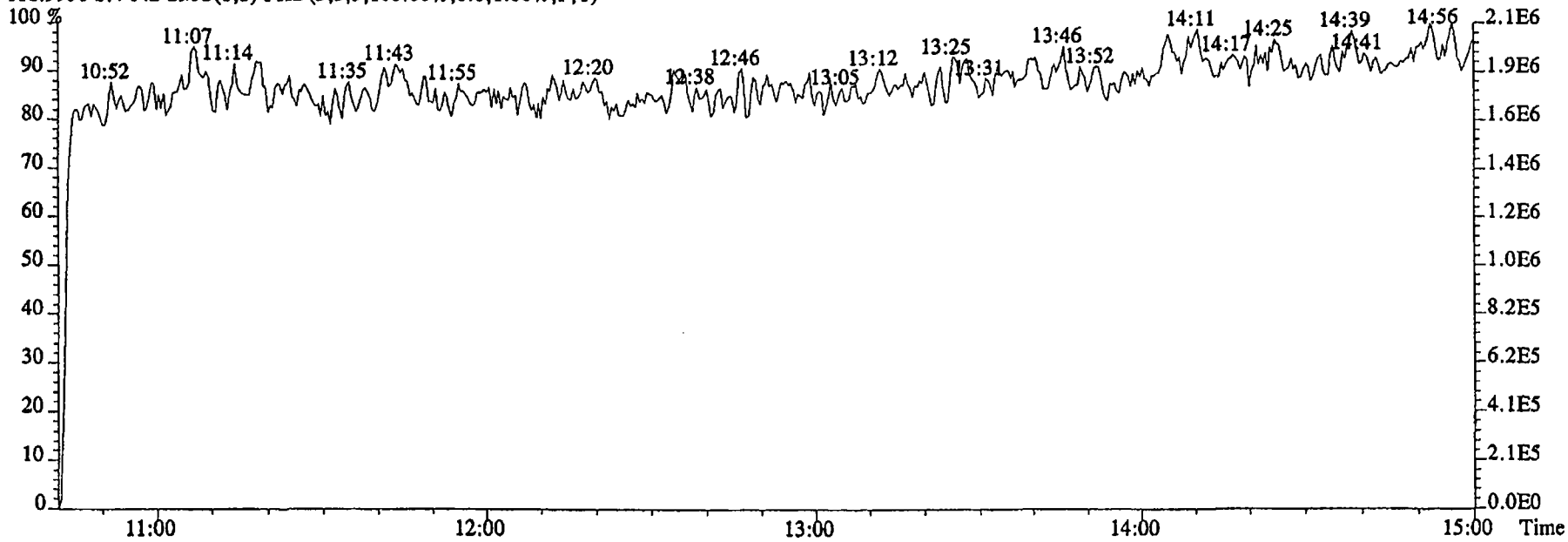
80.9952 S:4 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



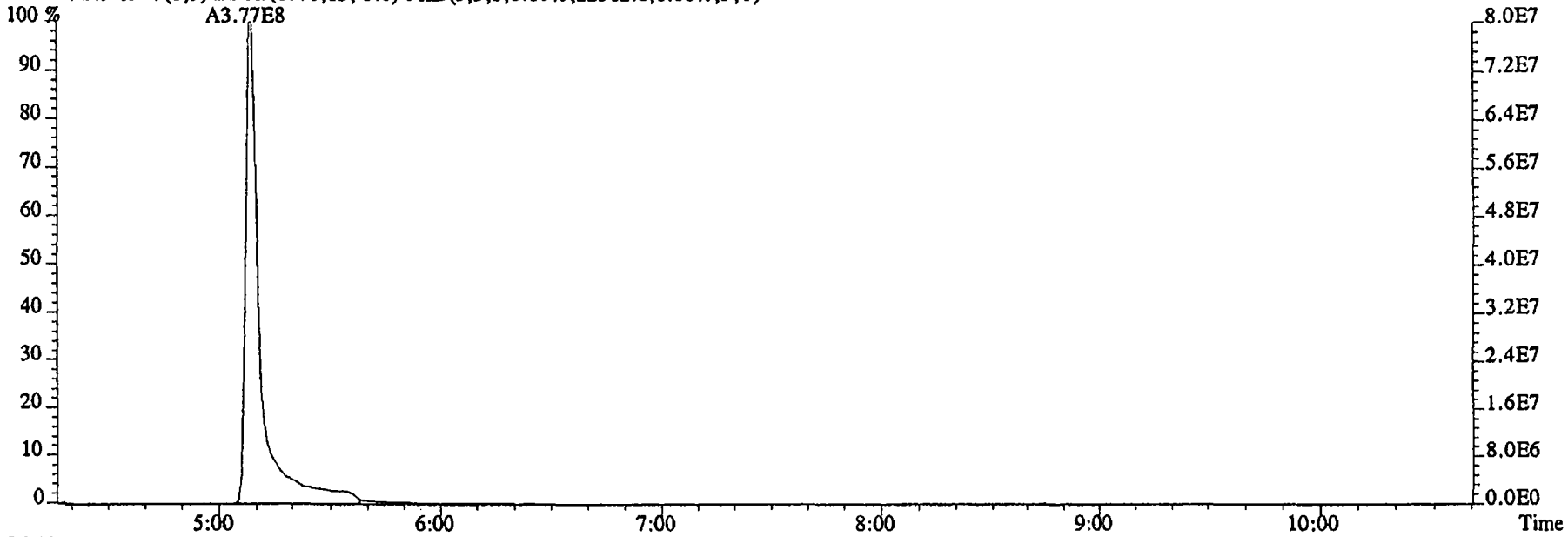
File:29DE045SP #1-602 Acq:29-DEC-2004 14:32:28 GC EI+ Voltage SIR 70SE
Sample#4 Text:ST1229C :CS4 2350-68D Exp:NDMAVOA
118.9920 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



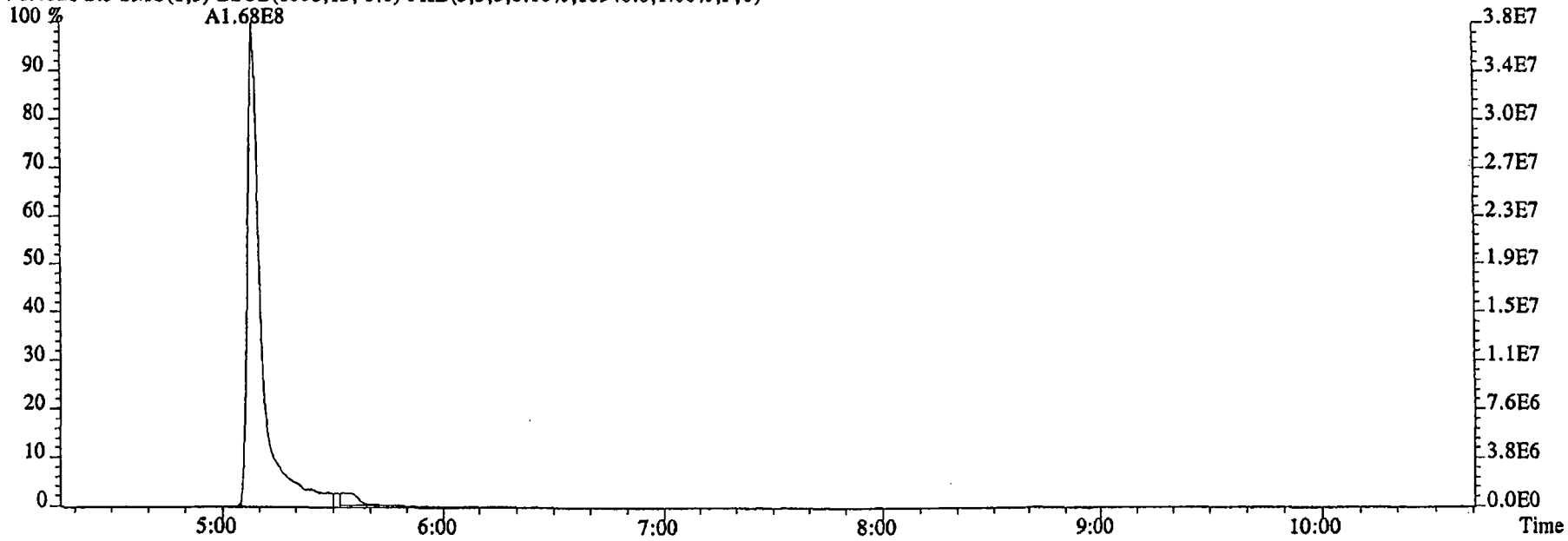
111.9936 S:4 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



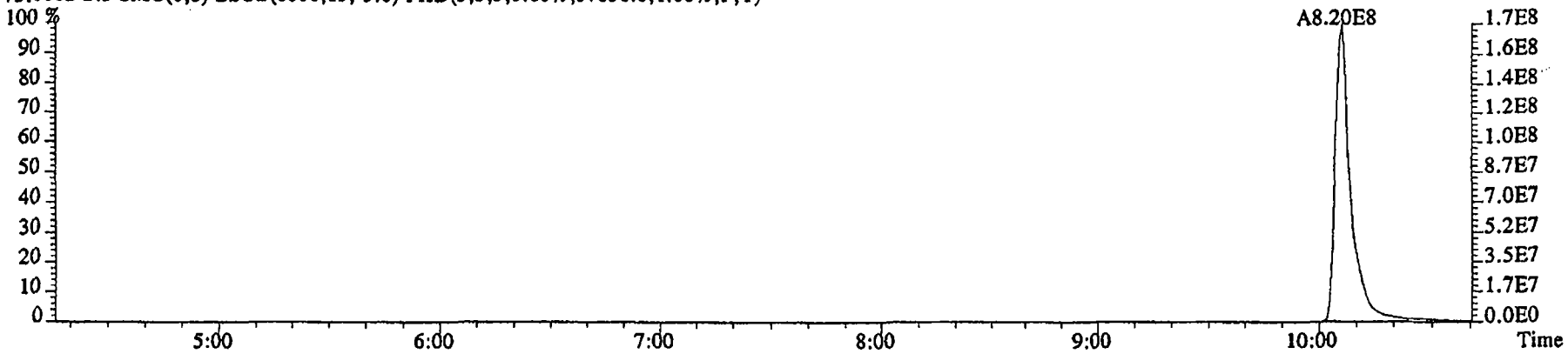
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
88.0524 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,22512.0,1.00%,F,T)



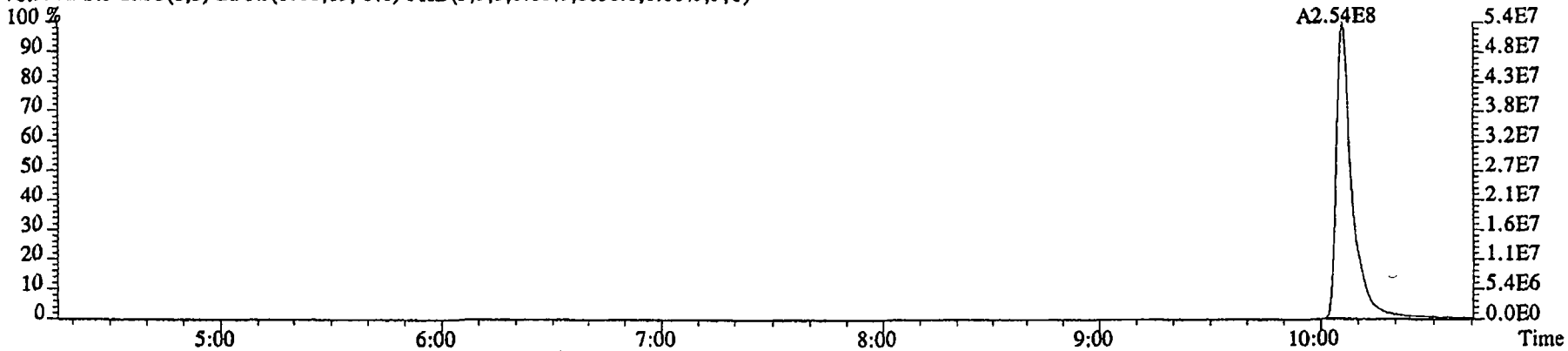
96.1026 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,10940.0,1.00%,F,T)



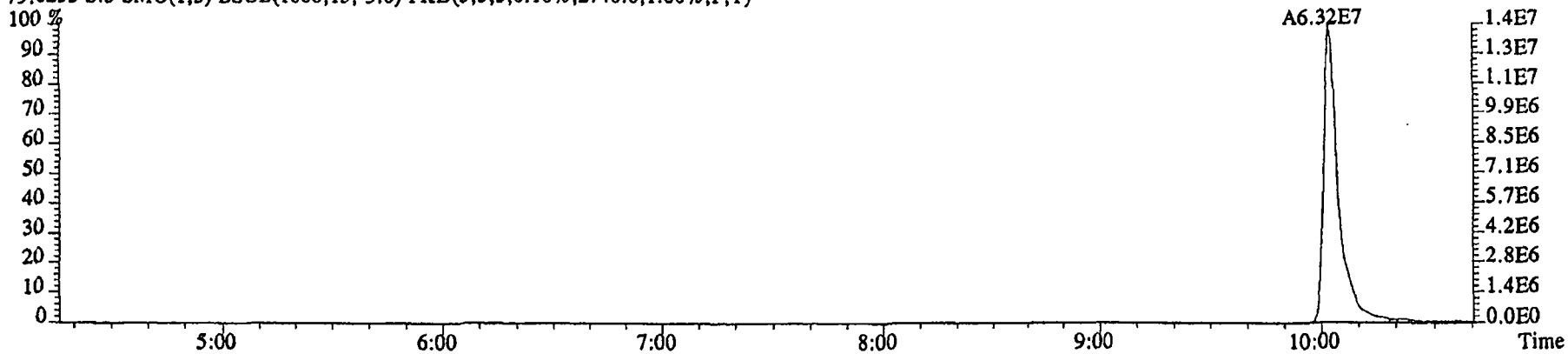
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
75.0002 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,37056.0,1.00%,F,T)



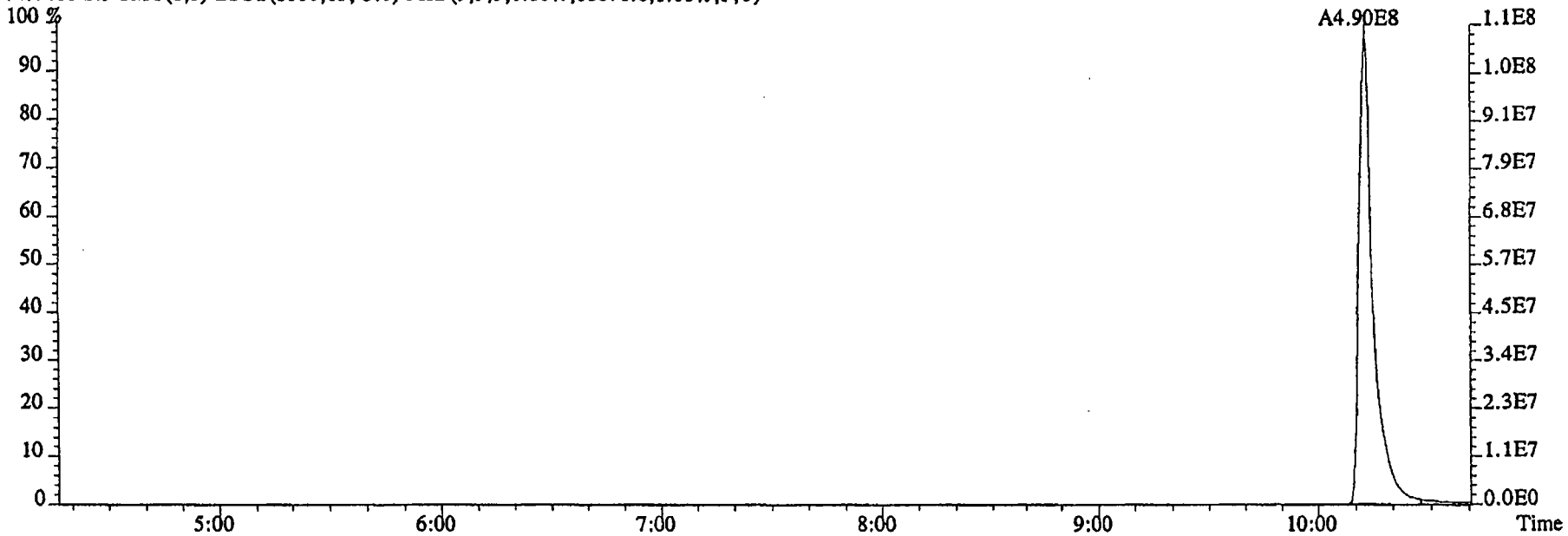
76.9972 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,8836.0,1.00%,F,T)



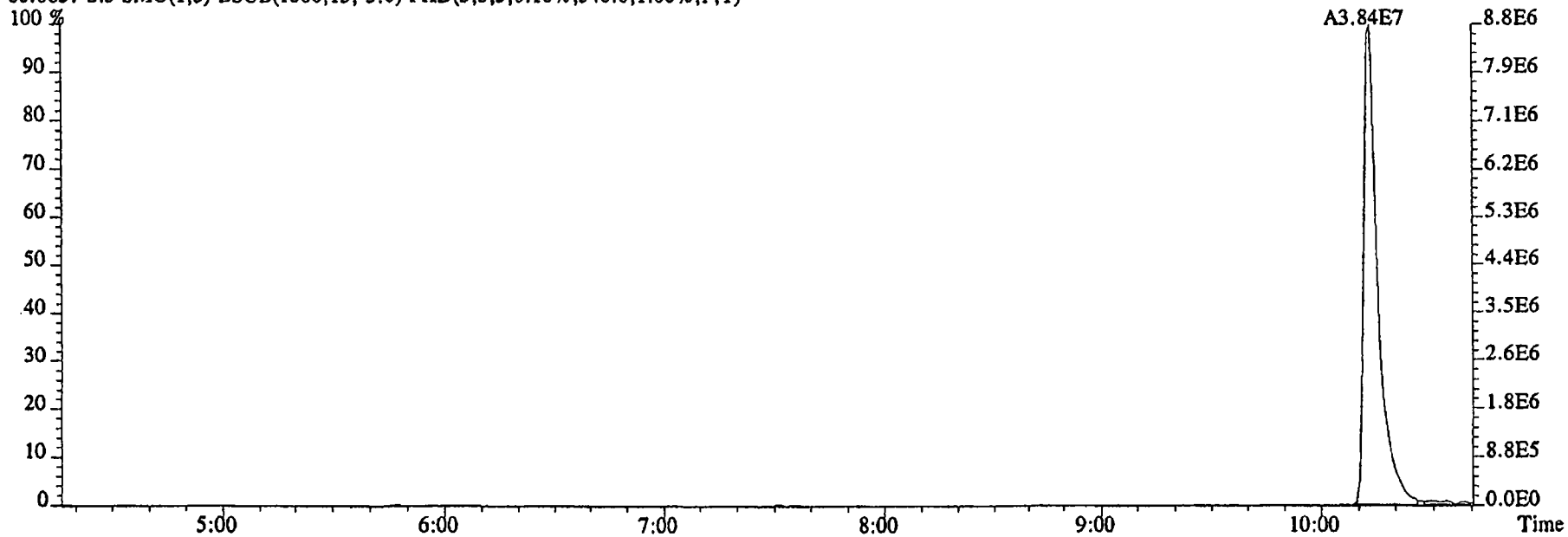
79.0253 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,2740.0,1.00%,F,T)



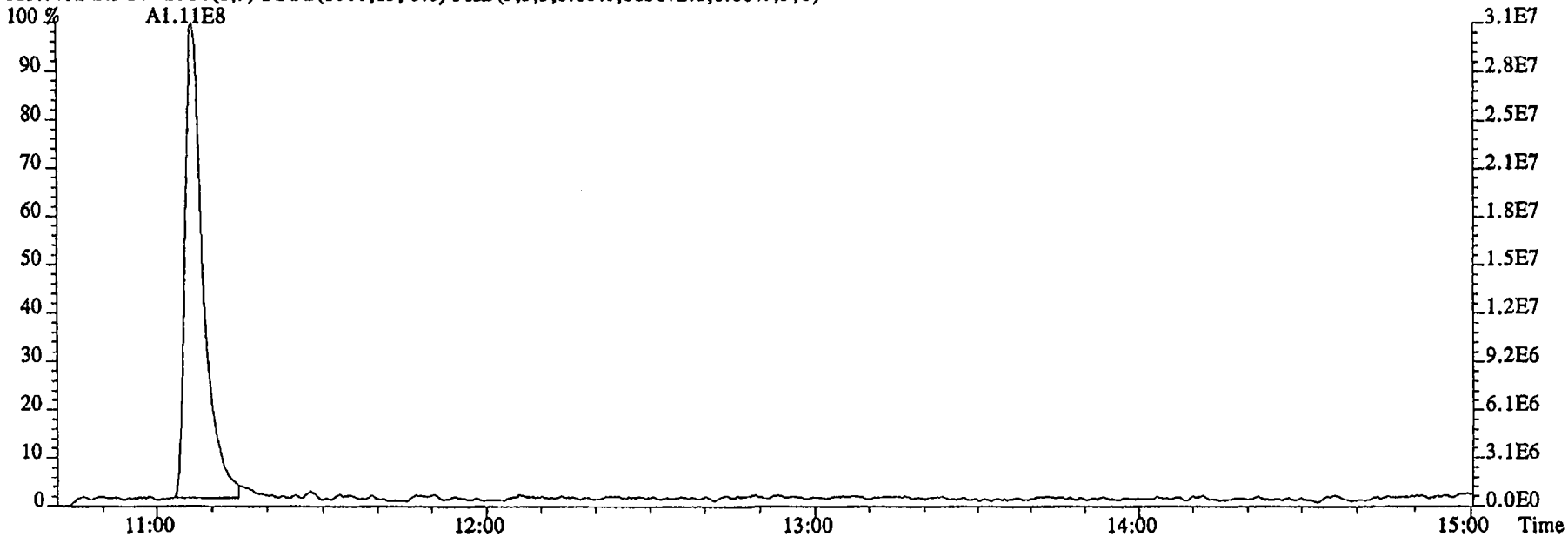
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
74.0480 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,18876.0,1.00%,F,T)



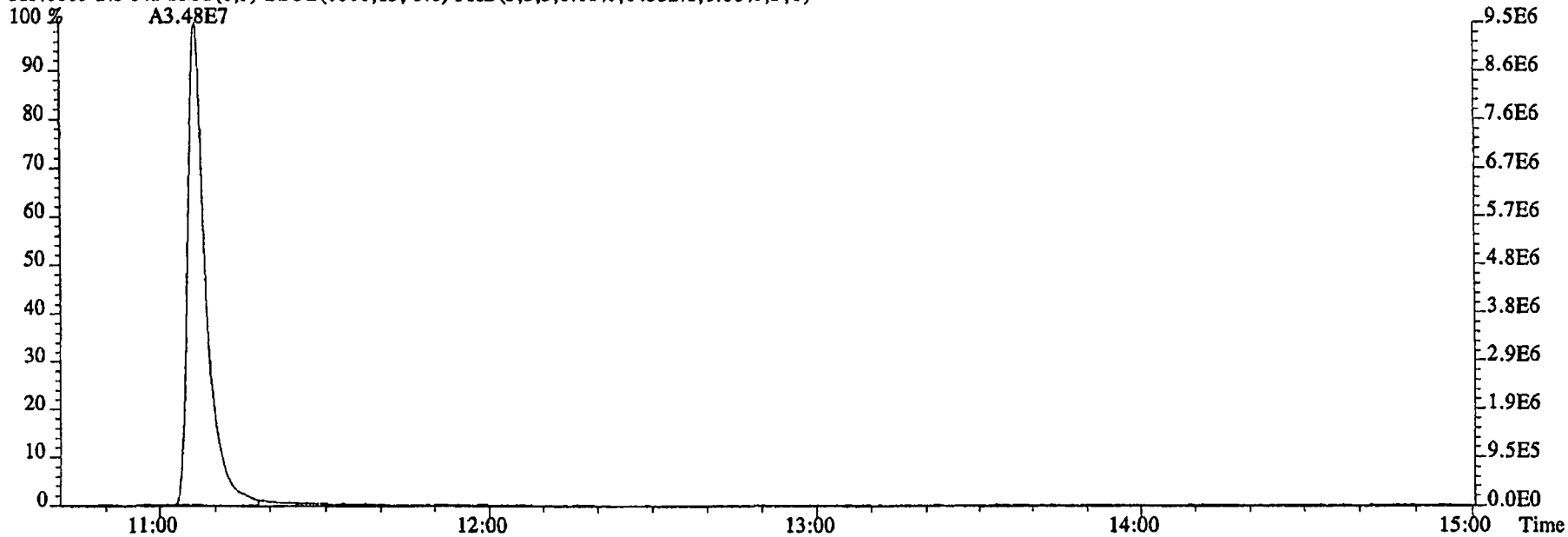
80.0857 S:5 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,540.0,1.00%,F,T)



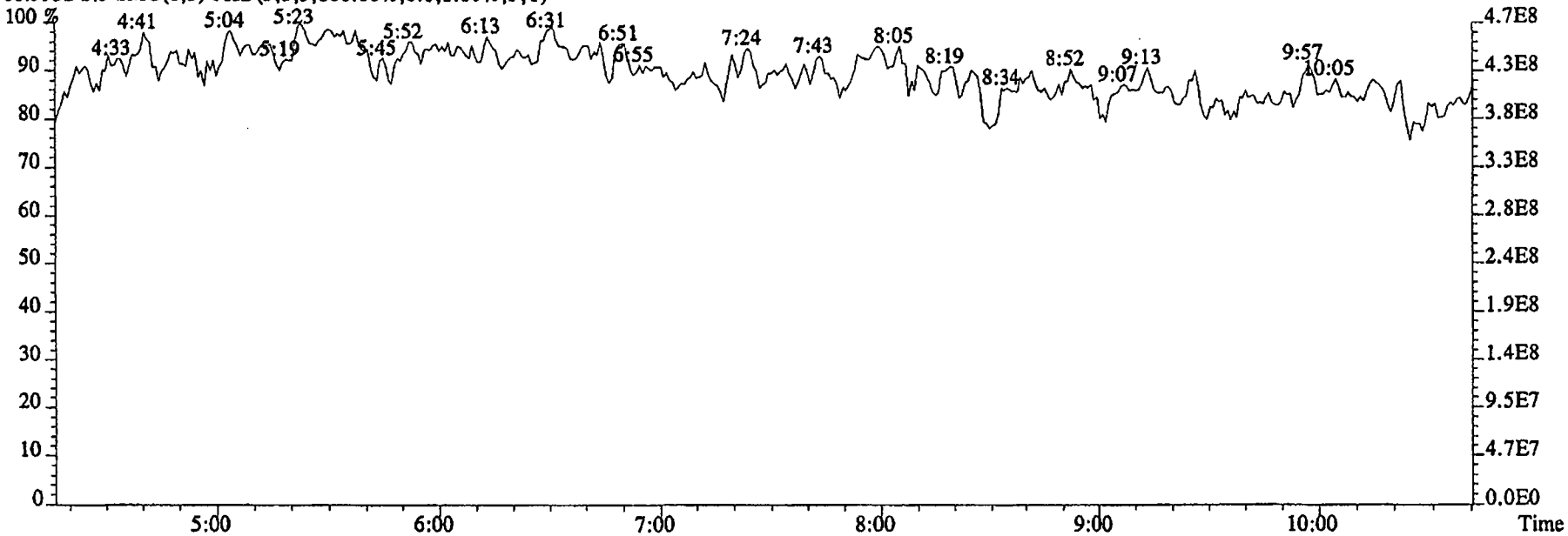
File:29DE045SP #1-603 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
113.0032 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,685672.0,1.00%,F,T)



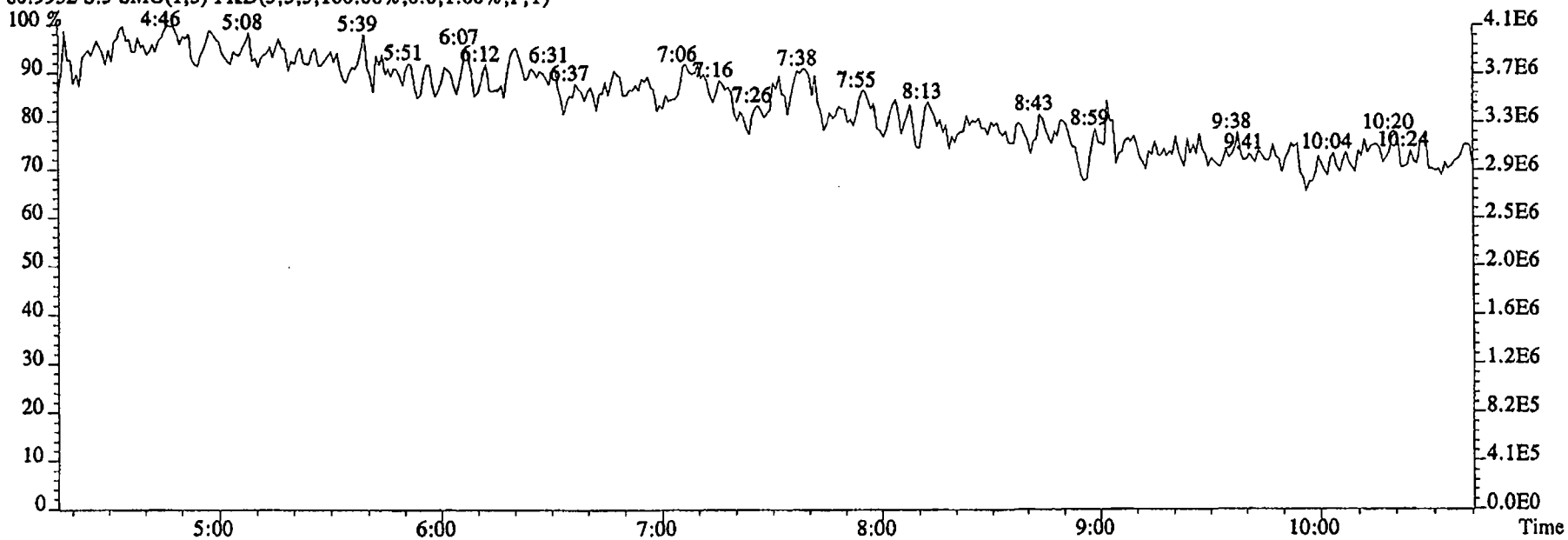
115.0003 S:5 F:2 SMO(1,3) BSUB(1000,15,-3.0) PKD(5,3,3,0.10%,14552.0,1.00%,F,T)



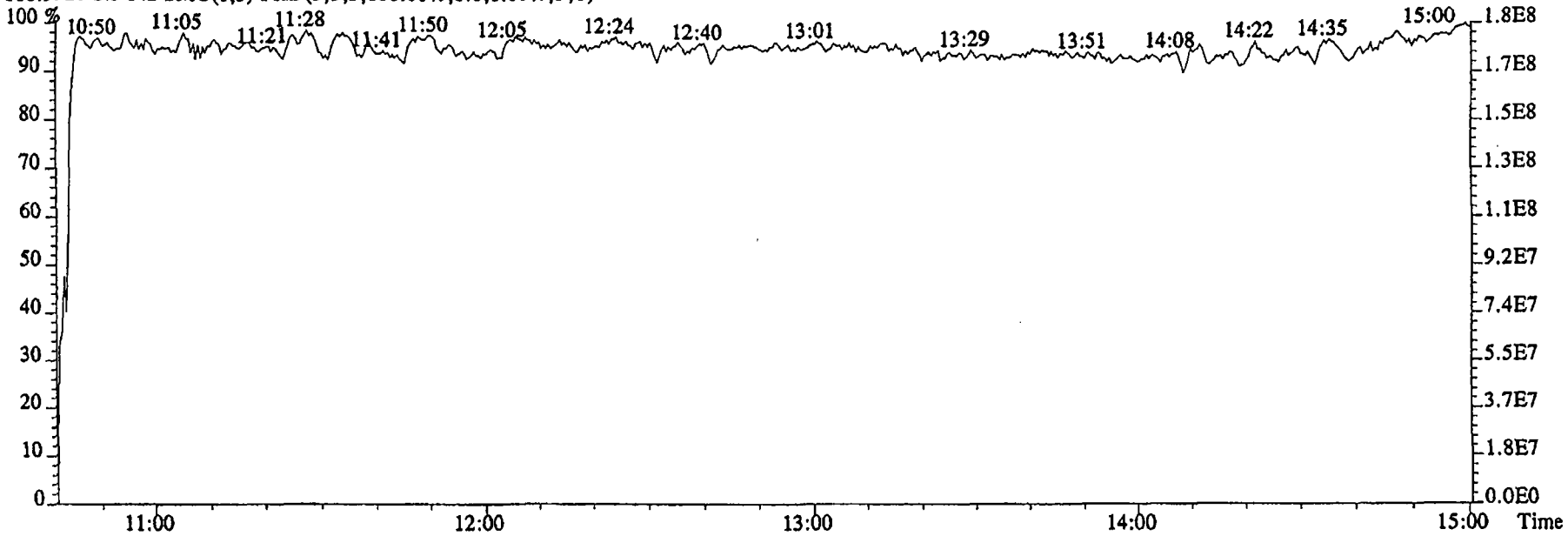
File:29DE045SP #1-474 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
68.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



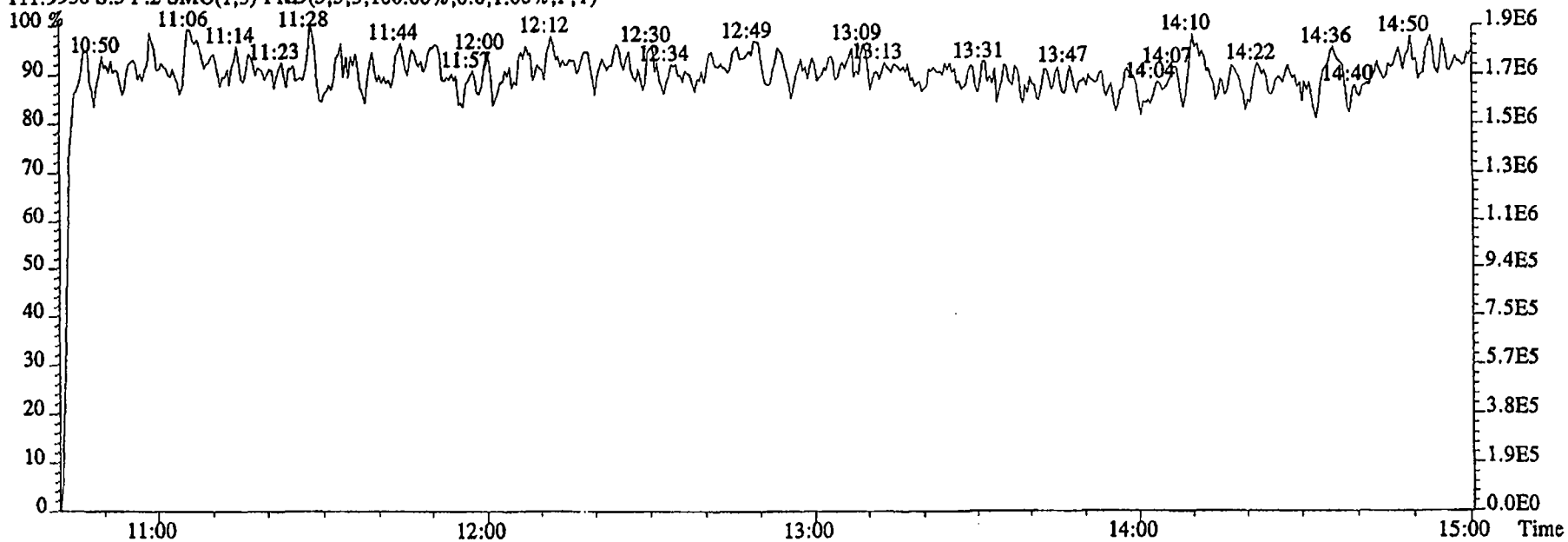
80.9952 S:5 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



File:29DE045SP #1-603 Acq:29-DEC-2004 14:52:54 GC EI+ Voltage SIR 70SE
Sample#5 Text:ST1229D :CS5 2350-68E Exp:NDMAVOA
118.9920 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



111.9936 S:5 F:2 SMO(1,3) PKD(5,3,5,100.00%,0.0,1.00%,F,T)



Sample Extraction/Preparation Log Copies and Checklists

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G4L080479

6A

Please Circle Extraction Type if used:
Soxhlet / Soxhtherm / DI TCLP

	Ext. 1	Ext. 2
Extraction time on:		
Extraction time off:		

Semivolatiles by HRGC/HRMS (1625 Modified)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	613 Extraction Init/Date	* Final Volume Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date
MB		1000mL	1000mL	12/13/04							
LCS											
DCS											
1			943.4								
2			974.2								
3			968.3								
4			928.1								
5			928.3								
6			935.7								

All Samples I.S. ID Added Vol./Conc.	100ul 2416-35	By:		Witness:	NOA	Date:	12/13/04
LCS/DCS/MS/SD N.S. ID Added Vol./Conc.	100ul 2350-67	By:		Witness:	NOA	Date:	12/13/04
All Samples CRS/Surr ID Added Vol./Conc.		By:		Witness:		Date:	
All Samples R.S. ID Added Vol./Conc.	200ul 2416-41	By:	BOH	Witness:		Date:	DEC 14 2004

Comments (Including Dilution at FV information):

QC Lot ID: SAME
Batch: 4348402

Extraction Solvents Used:	Solvent Lot #:
DCM	
H_2O	

Associated Samples:	Batch:	Method:
G4L090480	SAME	SAME
G4L080175		
G4L090264		

*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.

STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses

SEVERN TRENT SERVICES

Lot ID #: G4L080479 Method ID: Semivolatiles by HRGC/HRMS (1625 Modified)

Sample # 1 - 6

(For Internal COC requests only)

Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

	~~DB-5~~ SP-2331	DB-225
Data Analyst:	CL	
Date initiated:	12/30/04	
Reviewer:	JCW	
Date reviewed:	12/30/04	NA

QA/QC verification:	Initiated ~~DB-5~~ SP-2331	Reviewed ~~DB-5~~ SP-2331	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	NA	NA
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	✓	✓		
-Ion ratios within + 15% of theoretical values?	NA	NA		
-Other QC (Dup,MS,SD) within specs?**	NA	NA		

Sample Analysis:	Initiated ~~DB-5~~ SP-2331	Reviewed ~~DB-5~~ SP-2331	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	NA	NA
-All raw data present?	✓	✓		
-Standard target DL's used? If RL's are used specify: RL	✓	✓		
-DL's below TDL / LCL (please circle)? LCL	✓	✓		
-All positives reported at levels greater than method blank DL's?	✓ (1)	✓		
-Correct RRF's used for method?	✓	✓		
-Internal standard amounts correct for method?	✓	✓		
-Target analytes are not saturated?	✓	✓		
-Dilution/splitting of extract taken into account?	NA	NA		
-Have dilution calculations been verified?	NA	NA		
-Has a manual calculation for the sequence(s) been verified?	✓	✓		
-Are retention times (RT) correct?	✓	✓		
-Manual integrations checked?	✓	✓		

Comments: (Use other side if necessary)

(1) See Memo

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
CARB 428:	40-120%***	50%
CARB 429:	50-150%***	50%
PCBs:	25-150%***	50%
DBD/DBF	20-150%***	
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/13/04
Time: 13:39:38

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

QC BATCH: 4348402

PREP DATE: 12/13/04 10:00
COMP DATE: 12/14/04 19:00

Reviewer/Date: _____ / 0/00/00

Semivolatiles by HRGC/HRMS (1625 Modified)
LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJI	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/14/04	12/21/04	E4L080175-004 G0HM6-1-AE		09	6A	WATER	**964.7mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/21/04	E4L080175-005 G0HM7-1-AE		09	6A	WATER	**995.1mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-001 G0K68-1-AC	D	09	6A	WATER	**943.4mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-002 G0K69-1-AC	D	09	6A	WATER	**974.2mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-003 G0K7A-1-AC	D	09	6A	WATER	**968.3mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-004 G0K7D-1-AC	D	09	6A	WATER	**928.1mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-005 G0K7E-1-AC	D	09	6A	WATER	**928.3mL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/13/04
Time: 13:39:38

****
* QC BATCH: 4348402 *
****

PREP DATE: 12/13/04 10:00
COMP DATE: 12/14/04 19:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJT	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/14/04	12/28/04	G4L080479-006 G0K7F-1-AC	D	09	6A	WATER	935.7mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/30/04	G4L090264-001 G0MLW-1-AA		09	6A	WATER	966.0mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/15/04	12/29/04	G4L090480-001 G0PC2-1-AC	D	09	6A	WATER	966.1mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/15/04	12/29/04	G4L090480-002 G0PC4-1-AC	D	09	6A	WATER	985.6mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/15/04	12/29/04	G4L090480-003 G0PC5-1-AC	D	09	6A	WATER	961.0mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	0/00/00	G4L130000-402 G0XDP-1-AAB		09	6A	WATER	1000mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	0/00/00	G4L130000-402 G0XDP-1-ACC		09	6A	WATER	1000mL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2350-67 100UL 2416-35
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 14

DCS is only required when a client requests one or a MS/SD is requested and limited sample size is available.

G4L080479

6A

Please Circle Extraction Type if used:
Soxhlet / Soxhtherm / DI TCLP

	Ext. 1	Ext. 2
Extraction time on:		
Extraction time off:		

Semivolatiles by HRGC/HRMS (1625 Modified)

Sample #	Suff	Sugg. Sample Size	Actual Sample Size	613 Extraction Init/Date	* Final Volume Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date	Init/Date
MB		1000mL	1000mL	12/22/04	12-22-04 BDH						
LCS											
DCS											
1	RX		973.5		12-22-04 BDH						
2	RX		972.0								
3	RX		652.0								
4	RX		932.6								
5	RX		928.2								
6	RX		896.1								

		By:	Witness:	Date:
All Samples I.S. ID Added Vol./Conc.	100uL 2416-35		NDA	12/22/04
LCS/DCS/MS/SD N.S. ID Added Vol./Conc.	100uL 2350-67		NDA	12/22/04
All Samples CRS/Surr ID Added Vol./Conc.				
All Samples R.S. ID Added Vol./Conc.	200uL 2416-41	BDH		DEC 22 2004

Comments (Including Dilution at FV information):

QC Lot ID: SAME
Batch: 4357371

Extraction Solvents Used: DCM, H_2O

Solvent Lot #:

Associated Samples:	Batch:	Method:
G4L090264	SAME	SAME
G4L100385		
G4L090480		

*Note: Final Volume column is used when the analyst who performed the addition of the Recovery Standard is different than the individual who concentrated the sample to the final volume. Also, if the final volume is different than the volume of Recovery Standard added, please denote in this column as well.

STL Sacramento
Data Checklist
High Resolution and Low Resolution Analyses

SEVERN TRENT SERVICES

Lot ID #: G4L080479 Method ID: Semivolatiles by HRGC/HRMS (1625 Modified)
Sample # 1RX - 6RX
(For Internal COC requests only)
Date Delivered to Inst.: _____ Delivered By: _____ Delivered To: _____

	~~DB-5~~ SI-2331	DB-225
Data Analyst:	Cr	
Date initiated:	12-30-04	
Reviewer:	[illegible]	
Date reviewed:	12/30/04	NA

QA/QC verification:	Initiated ~~DB-5~~ SI-2331	Reviewed ~~DB-5~~ SI-2331	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Daily standard package(s) present?	✓	✓	NA	NA
-Method Blank present?	✓	✓		
-LCS/DCS copy present and meets native recovery criteria?	✓	✓		
-Internal standard recoveries within limits?*	✓	✓		
-Ion ratios within + 15% of theoretical values?	NA	NA		
-Other QC (Dup,MS,SD) within specs?**	NA	NA		

Sample Analysis:	Initiated ~~DB-5~~ SI-2331	Reviewed ~~DB-5~~ SI-2331	Initiated DB-225 (High Res Only)	Reviewed DB-225 (High Res Only)
-Correct sample aliquot used?	✓	✓	NA	NA
-All raw data present?	✓	✓		
-Standard target DL's used? If RL's are used specify:_____	✓	✓		
-DL's below TDL / LCL (please circle)? (NL)	✓	✓		
-All positives reported at levels greater than method blank DL's?	✓ (1)	✓		
-Correct RRF's used for method?	✓	✓		
-Internal standard amounts correct for method?	✓	✓		
-Target analytes are not saturated?	NA	NA		
-Dilution/splitting of extract taken into account?	NA	NA		
-Have dilution calculations been verified?	✓	✓		
-Has a manual calculation for the sequence(s) been verified?	✓	✓		
-Are retention times (RT) correct?	✓	✓		
-Manual integrations checked?	✓	✓		

Comments: (Use other side if necessary)
(1) See NCM's

* Recovery limits:		**RPD limits:
NCASI 551:	40-120%***	50%
Method 8290:	40-135%***	20%
Method 1613:	25-150%***	50%
Method 23:	40-130%***(Cl4-Cl6), 25-130%(Cl7-8), 70-130%(surr.)	50%
CARB 428:	40-120%***	50%
CARB 429:	50-150%***	50%
PCBs:	25-150%***	50%
DBD/DBF	20-150%***	
Method 8280:	40-120%***	
DFLM01.0:	25-150%***	

ROC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/22/04
Time: 13:25:44

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
			_	_	computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

QC BATCH: 4357371

PREP DATE: 12/22/04 10:00
COMP DATE: 12/24/04 20:00

Reviewer/Date: _____ / 0/00/00

Semivolatiles by HRGC/HRMS (1625 Modified)
LIQ/LIQ, SEP FUNNEL (PAH,P/P,TPH,Dioxin) - Nominal

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/14/04	12/28/04	G4L080479-001 G0K68-2-AC	D	09	6A	WATER	973.5uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-002 G0K69-2-AC	D	09	6A	WATER	972.0uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-003 G0K7A-2-AC	D	09	6A	WATER	652.0uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-004 G0K7D-2-AC	D	09	6A	WATER	932.6uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-005 G0K7E-2-AC	D	09	6A	WATER	928.2uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/28/04	G4L080479-006 G0K7F-2-AC	D	09	6A	WATER	896.1uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	12/30/04	G4L090264-001 G0MLW-2-AA		09	6A	WATER	969.5uL 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 12/22/04
Time: 13:25:44

QC BATCH: 4357371

PREP DATE: 12/22/04 10:00
COMP DATE: 12/24/04 20:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
12/15/04	12/29/04	G4L090480-001 **G0PC2-2-AC**	D	09	6A	WATER	**973.3uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/15/04	12/29/04	G4L090480-002 **G0PC4-2-AC**	D	09	6A	WATER	**976.4uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/15/04	12/29/04	G4L090480-003 **G0PC5-2-AC**	D	09	6A	WATER	**985.2uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/16/04	12/30/04	G4L100385-005 **G0R14-2-AA**	D	09	6A	WATER	**915.4uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	0/00/00	G4L220000-371 **G1NWF-1-AAB**		09	6A	WATER	**1000uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2416-35
COMMENTS:															
12/14/04	0/00/00	G4L220000-371 **G1NWF-1-ACC**		09	6A	WATER	**1000uL** 20.00uL	NA	NA	NA	DCM	120.0		.0	100UL 2350-67 100UL 2416-35
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
‡

NUMBER OF WORK ORDERS IN BATCH: 13

WATER, 410.4, Demand, Chemical Oxygen

CH2M Hill Inc

Client Sample ID: OC2-MW1A-W-0-98

General Chemistry

Lot-Sample #...: G4L080479-001 Work Order #...: G0K68 Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	5.2 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW1B-W-0-99

General Chemistry

Lot-Sample #...: G4L080479-002 Work Order #...: G0K69 Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	3.9 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW6-W-0-100

General Chemistry

Lot-Sample #...: G4L080479-003 **Work Order #...:** G0K7A **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	ND	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

CH2M Hill Inc

Client Sample ID: OC2-MW9B-W-0-101

General Chemistry

Lot-Sample #...: G4L080479-004 **Work Order #...:** G0K7D **Matrix.....:** WATER
Date Sampled...: 12/07/04 **Date Received..:** 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	ND	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-0-102

General Chemistry

Lot-Sample #...: G4L080479-005 Work Order #...: G0K7E Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	4.2 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CH2M Hill Inc

Client Sample ID: OC2-MW7A-W-1-103

General Chemistry

Lot-Sample #...: G4L080479-006 Work Order #...: G0K7F Matrix.....: WATER
Date Sampled...: 12/07/04 Date Received..: 12/08/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)	4.2 B,J	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

MDL.....: 3.1

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G4L080479

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 410.4		4349279	4349172
002	WATER	MCAWW 410.4		4349279	4349172
003	WATER	MCAWW 410.4		4349279	4349172
004	WATER	MCAWW 410.4		4349279	4349172
005	WATER	MCAWW 410.4		4349279	4349172
006	WATER	MCAWW 410.4		4349279	4349172

METHOD BLANK REPORT

General Chemistry

Client Lot #...: G4L080479 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: G002T1AA		MB Lot-Sample #:	G4L140000-279	
	5.2 B	10.0	mg/L	MCAWW 410.4	12/14/04	4349279

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: G4L080479 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: G002T1AC	LCS Lot-Sample#: G4L140000-279		
	109	(85 - 115)	MCAWW 410.4	12/14/04	4349279

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: G4L080479 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			Work Order #: G002T1AC		LCS Lot-Sample#: G4L140000-279		
	49.6	53.8	mg/L	109	MCAWW 410.4	12/14/04	4349279

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: G4L080479 **Matrix.....:** WATER
Date Sampled...: 12/06/04 **Date Received..:** 12/07/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: G0GT81AD-MS/G0GT81AE-MSD				MS Lot-Sample #: G4L070405-001	
	99	(75 - 125)			MCAWW 410.4	12/14/04	4349279
	100	(75 - 125)	1.2	(0-20)	MCAWW 410.4	12/14/04	4349279

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: G4L080479 **Matrix.....:** WATER
Date Sampled...: 12/06/04 **Date Received..:** 12/07/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: G0GT81AD-MS/G0GT81AE-MSD				MS Lot-Sample #: G4L070405-001		
	ND	50.0	49.5	mg/L	99		MCAWW 410.4	12/14/04	4349279
	ND	50.0	50.1	mg/L	100	1.2	MCAWW 410.4	12/14/04	4349279

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Manual Colorimetric Analyses

Hexavalent Chromium
COD
Sulfide
T-Phosphorous

STL Sacramento

LEVEL 1&2 REVIEW CHECKLIST
GENERAL CHEMISTRY

LAB NUMBERS: G4L070405; G4L080479; G4L090480; G4L100385

ANALYSIS: COD (Low) DATE: 12/14/04 ANALYST: Francis

LEVEL 1 RUN REVIEW:	YES	NO	NA
1. Samples are properly preserved and verified	✓		
2. Run set-up meets standard criteria (Curve, ICV, ICB, REF...CCV,CCB..)	✓		
3. Calibration criteria met	✓		
4. Calibration verifications and second source reference are in control	✓		
5. Batch QC are in control (Blank, LCS, MSQC, LCS dup when necessary)	✓		
6. Calculations have been checked	✓		
7. QAS +/or QAPP was consulted and followed for client specifics	✓		
8. Standard Tracking # noted on benchsheet +/or runlog	✓		
9. Manual integration performed, documented and approved			✓

LEVEL 1 DATA REVIEW:	YES	NO	NA
1. Benchsheet complete	✓		
2. QAS +/or QAPP consulted and followed for client specifics for data entry	✓		
3. Data entered properly	✓		
4. Copy of prep sheet and prep checklist attached to run			✓
5. Analyst observations, HTV's, Anomalies properly documented and attached to run.			

Completed By & Date: Francis 12/15/04

LEVEL 2 REVIEW:	YES	NO	NA
1. Level 1 checklist complete and verified	X		
2. Deviations, Anomalies, Holding times checked and approved			X
3. Reprep/Reanalysis documented and chemist notified			X
4. Client specific criteria met	X		
5. Data entry checked and released in Quantims	X		
6. Indication on benchsheet on review and release (dated & signed)	X		
7. Manual integration reviewed, approved, and properly documented			X

Completed By & Date: BEV 12/17/04

Comments:

QA-159 NEK 7/00

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 12/14/04
Time: 15:20:08

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	QC	RE-RUN MATRIX	RE-RUN OTHER	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: VO Demand, Chemical Oxygen (410.4)
QC BATCH #: 4349279
PREP DATE: 12/14/04 10:30
COMP DATE: 12/14/04 12:30
USER: FRANCISF

INITIALS:
PREP _____
ANAL _____

DATA ENTRY:
INITIALS _____
DATE _____

MS# 434 9172

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
G0GT8-1-AA	G-4L070405-001	XX I 21 VO 01	Y-D		OC2-MW4A-W-0-92
G0GT8-1-AE	G-4L070405-001-D	XX I 21 VO 01	Y-D		OC2-MW4A-W-0-92
G0GT8-1-AD	G-4L070405-001-S	XX I 21 VO 01	Y-D		OC2-MW4A-W-0-92
G0GT9-1-AA	G-4L070405-002	XX I 21 VO 01	Y-D		OC2-MW4B-W-0-93
G0GVA-1-AA	G-4L070405-003	XX I 21 VO 01	Y-D		OC2-MW4B-W-1-94
G0GVC-1-AA	G-4L070405-004	XX I 21 VO 01	Y-D		OC2-MW4C-W-0-95
G0GVE-1-AA	G-4L070405-006	XX I 21 VO 01	Y-D		OC2-MW5A-W-0-97
G0K68-1-AA	G-4L080479-001	XX I 21 VO 01	Y-D		OC2-MW1A-W-0-98
G0K69-1-AA	G-4L080479-002	XX I 21 VO 01	Y-D		OC2-MW1B-W-0-99
G0K7A-1-AA	G-4L080479-003	XX I 21 VO 01	Y-D		OC2-MW6-W-0-100
G0K7D-1-AA	G-4L080479-004	XX I 21 VO 01	Y-D		OC2-MW9B-W-0-101
G0K7E-1-AA	G-4L080479-005	XX I 21 VO 01	Y-D		OC2-MW7A-W-0-102
G0K7F-1-AA	G-4L080479-006	XX I 21 VO 01	Y-D		OC2-MW7A-W-1-103
G0PC2-1-AA	G-4L090480-001	XX I 21 VO 01	Y-D		OC2-MW10A-W-0-104
G0PC4-1-AA	G-4L090480-002	XX I 21 VO 01	Y-D		OC2-MW3A-W-0-105
G0PC5-1-AA	G-4L090480-003	XX I 21 VO 01	Y-D		OC2-MW2A-W-0-106
G0R1N-1-AA	G-4L100385-001	XX I 21 VO 01	Y-D		OC2-MW8A-W-0-107
G0R1W-1-AA	G-4L100385-002	XX I 21 VO 01	Y-D		OC2-MW8B-W-0-108
G0R10-1-AA	G-4L100385-003	XX I 21 VO 01	Y-D		OC2-MW8C-W-0-109

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 12/14/04
Time: 15:20:08

STL Sacramento

QC BATCH #: **4349279**
PREP DATE: 12/14/04 10:30
COMP DATE: 12/14/04 12:30
USER: FRANCISF

INITIALS:
PREP _____
ANAL _____

DATA ENTRY:
INITIALS _____
DATE _____

Work Order	Lab Number	Structured Analysis	Exp. Del:	Analysis Date	Sample ID:	Control Limits
G0R12-1-AA	G-4L100385-004	XX I 21 VO 01	Y-D	_____	OC2-MW8D-W-0-110	(75-125)
G002T-1-AA	G-4L140000-279-B	XX I 21 VO 01		_____	INTRA-LAB BLANK	(75-125)
G002T-1-AC	G-4L140000-279-C	XX I 21 VO 01		_____	INTRA-LAB CHECK	(85-115)
G002T-1-AD	G-4L140000-279-L	XX I 21 VO 01		_____	INTRA-LAB CHECK	(85-115)

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch **4349279**

Date 12/15/2004
Time 7:58:23

Method Code: **VO Demand, Chemical Oxygen (410.4)**
Analyst: **Filomena Francis**

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
G0GT8-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GT9-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVA-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVC-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0GVE-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K68-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K69-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7A-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7D-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7E-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0K7F-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC2-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC4-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0PC5-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R1N-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R1W-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R10-1-AA	ND	mg/L	10	12/14/04	.00	N		ND	10.0	1.00
G0R12-1-AA	17.65	mg/L	10	12/14/04	.00	N		17.6	10.0	1.00
G002T-1-AA	ND	mg/L	10	12/14/04	.00			ND	10	1.00

Notes:

LCS - LCSD

Work Order	Exception Code	Measured Sample	True Spike	Measured SPIKE	Measured Dup.	Pct. Recovered SPIKE	Pct. Recovered DUP	RPD	Prep. - Anal.	Dil.
G002T-1-AC			49.6	53.8288	54.4526	108.52	109.78	1.15	12/14/04	1.00

Notes:

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 4349279

Date 12/15/2004
Time 7:58:23

Method Code: VO Demand, Chemical Oxygen (410.4)
Analyst: Filomena Francis
MS - MSD

Work Order	Exception Code	Measured Sample	True Spike	Measured SPIKE	Measured Dup.	Pct. Recovered SPIKE	Pct. Recovered DUP	RPD	Prep. - Anal.	Dil.
GUGT8-1-AD		ND	50	49.4626	50.0863	98.92	100.17	1.25	12/14/04	1.00

Notes:

PRODUCTION TOTALS

TEST	TOTAL #	SAMPLE #	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

STL Sacramento

CURVE CALCULATION BENCHSHEET

(SOP # SAC-WC-0040)

ANALYST	FRANCISF	ANALYSIS DATE	12/14/04	METHOD NO.	EPA 410.4	FILE	121404A
REVIEWED BY	BEV	REVIEW DATE	12/17/04	INSTRUMENT ID:	SP2		
BATCH NO.	4349279	MS RUN NO.	4349172	ICV SOURCE:	2392-WC-59-4	CCV SOURCE:	2392-WC-59-6

	Lab ID	Time	True Conc. mg/L	Background Absorbance	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Absorbance	Raw Result	COD (Low) mg/L	mg/kg	Recovery	Check
1	Std0	15:26	0						0.493	-2.62080	Intercept = 1.5113E+02			
2	Std1	15:26	10						0.442	13.28490	Slope = -3.1188E+02			
3	Std2	15:25	50						0.321	51.02195				
4	Std3	15:25	100						0.173	97.17966				
5	Std4	15:25	150						0	151.13429	r = -0.999120			
6														
7											Linear Not Forced Weighting = 1			
8											Absorbance corrected for background absorbance			
9											mg/L	mg/kg	Recovery	Check
10	[LCS/ICV:G4L070	15:26	49.6			2	2	1	0.312	53.82884	53.8288		109%	
11	[BLK/ICB:G4L070	15:27				2	2	1	0.468	5.17611	5.1761			< RL
12	LCS-DUP	15:27	49.6			2	2	1	0.31	54.45259	54.4526		110%	
13														
14	G0GT8	15:28				2	2	1	0.477	2.36923	2.3692			< RL
15	G0GT8-S	15:29	50			2	2	1	0.326	49.46257	49.4626		99%	
16	G0GT8-D	15:29	50			2	2	1	0.324	50.08632	50.0863		100%	
17	G0GT9	15:29				2	2	1	0.466	5.79987	5.7999			< RL
18	G0GVA	15:30				2	2	1	0.458	8.29488	8.2949			< RL
19	G0GVC	15:30				2	2	1	0.471	4.24048	4.2405			< RL
20	G0GVE	15:30				2	2	1	0.477	2.36923	2.3692			< RL
21	G0K68	15:31				2	2	1	0.468	5.17611	5.1761			< RL
22	CCV	15:32	50			2	2	1	0.313	53.51696	53.5170		107%	
23	CCB	15:32				2	2	1	0.471	4.24048	4.2405			< RL
24	G0K69	15:32				2	2	1	0.472	3.92861	3.9286			< RL
25	G0K7A	15:32				2	2	1	0.477	2.36923	2.3692			< RL
26	G0K7D	15:33				2	2	1	0.475	2.99298	2.9930			< RL
27	G0K7E	15:33				2	2	1	0.471	4.24048	4.2405			< RL
28	G0K7F	15:33				2	2	1	0.471	4.24048	4.2405			< RL
29	G0PC2	15:34				2	2	1	0.47	4.55236	4.5524			< RL
30	G0PC4	15:34				2	2	1	0.471	4.24048	4.2405			< RL
31	G0PC5	15:34				2	2	1	0.459	7.98300	7.9830			< RL
32	G0R1N	15:35				2	2	1	0.471	4.24048	4.2405			< RL
33	G0R1W	15:35				2	2	1	0.46	7.67112	7.6711			< RL
34	CCV	15:35	50			2	2	1	0.322	50.71007	50.7101		101%	
35	CCB	15:35				2	2	1	0.471	4.24048	4.2405			< RL

TC 12/14/04

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36	G0R10	15:36				2	2	1	0.473	3.61673	3.6167			< RL
37	G0R12	15:36				2	2	1	0.428	17.65117	17.6512			
38	CCV	15:37	50			2	2	1	0.326	49.46257	49.4626		99%	
39	CCB	15:37				2	2	1	0.474	3.30485	3.3049			< RL